APPROVED
Dec 05 2024
BOARD OF RECREATION
AND PARK COMMISSIONERS

BOARD REPORT **NO.** 24-261

DATE December 05, 2024 C.D. 13

BOARD OF RECREATION AND PARK COMMISSIONERS

SUBJECT: HOLLYWOOD RECREATION CENTER PHASE II – MODERN GYMNASIUM (PRJ21441) (PRJ21112) (W.O. #E1908203) PROJECT – APPROVAL OF FINAL PLANS AND CALL FOR BIDS; CATEGORICAL EXEMPTION FROM THE PROVISIONS OF THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) PURSUANT TO ARTICLE 19, SECTION 15332 [INFILL DEVELOPMENT] OF CALIFORNIA CEQA GUIDELINES

B. Aguirre		for M. Rudnick	
B. Jones		* C. Santo Domingo	DF
C. Stoneham		N. Williams	

General Manager

Approved X Disapproved _____ Withdrawn _____

RECOMMENDATIONS

1. Approve final plans and specifications, substantially in the form on file with the Board of Recreation and Park Commissioners (Board) Office and attached hereto as Attachment No. 1, for the Hollywood Recreation Center Phase II – Modern Gymnasium (PRJ21441) (PRJ21112) (W.O. #E1908203) Project (Project);

2. Approve the date to be advertised for receipt of bids as February 26, 2025 at 2:00 P.M. in the Board Office;

3. Determine that the proposed Project is categorically exempt from the provisions of the of California Environmental Quality Act (CEQA) pursuant to Article 19, Section 15332 [Infill development] of California CEQA Guidelines, and request Bureau of Engineering Staff to file a Notice of Exemption with the Los Angeles County Clerk and the Governor's Office of Land Use and Climate Innovation;

4. Authorize the Department of Recreation and Parks (RAP) Chief Accounting Employee or Designee to prepare a check to the Los Angeles County Clerk in the amount of $75 for the purpose of filing the Notice of Exemption; and,

5. Authorize RAP staff to make technical corrections as necessary to carry out the intent of this Report.

SUMMARY

The Hollywood Recreation Center is located at 1122 Cole Avenue in the Hollywood community of the City. This 3.12-acre property includes a play area, multipurpose field, gymnasium, basketball court, and a swimming pool. Approximately 8,805 City residents live within a one-half mile walking distance of Hollywood Recreation Center. Due to the facility's size, features, programs and services it provides. Hollywood Recreation Center meets the standard for a Community Park, as defined in the City's Public Recreation Plan.

The Board approved the Project's conceptual scope of work on January 5, 2023 through Report No. 23-009. The details of the demolition and new construction had not been finalized at that time. The design is now complete and the final plans are attached to this Report for the Board's approval.

PROJECT SCOPE

The Project is a Proposition K – L.A. for Kids Program (Prop K) Specified Project. The scope of work includes the demolition of the existing gym building and construction of a new modern gymnasium building with a full-size basketball court, multipurpose rooms, computer lab, recreation center office, kitchen, restrooms, utilities room, back-up battery storage, and park equipment storage, totaling approximately 13,900 Square Feet. The Project also includes a playground, exercise equipment stations, landscaping, miscellaneous site amenities, additional park lighting, and photovoltaic panels. The Project is targeting Leadership in Energy and Environmental Design (LEED) certification.

Three Local Volunteer Oversight Committee (LVNOC) meetings were conducted on November 21, 2019, May 13, 2020, and February 18, 2021. The LVNOC meetings provided opportunities for the Project's stakeholders and community members to engage in the development and design of the proposed Project.

PROJECT FUNDING

The City Engineer's estimate for the Project's construction cost is $19,300,000. The budgeted amount for construction contingency is $5,790,673.

Funds are currently available from the following funds and accounts:

Funding Source	Fund/Dept./Acct. No.	Amount
Proposition K	43K/10/A590, C590, E590, H590	$171,730
Proposition K – YR-18	43K/10/L590	$3,317
Proposition K – YR-18	43K/10/MPGD	$600,000
Proposition K – YR-24	43K/10/10T590	$617,228
Proposition K – YR-20	43K/10/10NIJF-NIJG	$1,403,031
Quimby	302/89/89460K-HF	$4,058,152

Park Fees	302/89/89716H	$6,257,550
Park Fees	302/89/89718H	$4,827,665
MICLA/CIEP FY 2022-23	298/50/50WPBE	$1,100,000
MICLA/CTIEP FY 23-24	298/50/50APZE	$6,052,000
	TOTAL	**$25,090,673**

TREES AND SHADE

The Project requires the removal of sixteen trees to accommodate the new building footprint and sitework improvements. The sixteen trees to be removed consist of one Afrocarpus, five Trachycarpus Fortunei, four Syagrus Romanzoffiana, two Lagertroemia, two Cassia Leptophylla trees, and two Jacaranda mimosifolia. The trees are noted as unprotected trees as defined by the Protected Tree under Ordinance 177404. The total consolidated diameter at breast height (DBH) for the proposed trees to be removed is “170”.

The Project proposes the planting of twenty-one new trees. The species are four Arbutus x Marina, two Cercis Canadensis, four Cercis Occidentalis, seven Geijera Parviflora, two Jacaranda Mimosiflia, and two Quercus Agrifolia. The total DBH of the proposed trees to be installed equate to 59”.

Approximately 338 square feet of tree canopy is proposed to be removed, and approximately 304 square feet of tree canopy is projected to be re-established in five years, and approximately 500 sq. ft is projected to be re-stablished in 15 years, assuming a survival rate of 75 percent.

Due to the increased size of the building, existing active play components and number of retained trees, the current design does not meet the RAP Urban Forestry Tree Replacement Guidelines, as amended in Report No. 22-061 on March 17, 2022. In order to meet the Guidelines, the Project needs to install trees to meet the deficit DBH of 180”. RAP’s Urban Forestry Division has identified Griffith Park as a mitigating site, whereas the Project would be responsible for installing the trees noted below, and located per RAP’s recommended placement diagram (Attachment No. 2), to meet the Tree Replacement Guidelines.

- Three 60" box Brachychiton discolor = 18" of replacement
- Five 60" box Cercis canadensis "Forest Pansy" = 30" of replacement
- Five 36" box Ceiba (Chorisia) speciosa = 15" of replacement
- Five 24" box Eucalyptus erythrocorus = 10" inches of replacement
- Five 24" box Eucalyptus 'Torwood' = 10" of replacement
- Five 36" box Michelia champaca = 30" of replacement
- Five 36" box Pinus Torreyana = 30" of replacement
- Four 24" box Platanus racemosa 'Roberts' = 8" of replacement
- Five 48" box Quercus oblongifolia = 20" of replacement
- Five 24" box Cupressus cashmeriana = 10" of replacement

Project funding will also be used to facilitate the design and installation of irrigation modifications to ensure the new trees survive. The BOE Architectural Division will provide the irrigation design and work with RAP vendors and staff to facilitate the construction.

ENVIRONMENTAL IMPACT

The Project consists of an in-fill development adequately served by existing utilities and public services, consistent with the applicable general plans, occurring in a site no more than 5 acres with no value as habitat for rare, endangered or threatened species, with no significant effects related to traffic, noise, air quality or water quality.

According to the parcel profile report retrieved June 12, 2024 this area does not reside in a liquefaction, coastal, methane, or historic zone, so there is no reasonable possibility that the proposed Project may impact an environmental resource of hazardous or critical concern or have a significant effect due to unusual circumstances. No other known projects would involve cumulatively significant impacts, and no future projects would result from the proposed Project. As of June 12, 2024, the State Department of Toxic Substances Control (DTSC) (Envirostor at www.envirostor.dtsc.ca.gov) and the State Water Resources Control Board (SWRCB) (Geotracker at https://geotracker.waterboards.ca.gov/) have not listed the Project site. They list Case 19820060 and Case 60002485 near the Project area (within 1,000 feet). They are both school sites that have been assessed by DTSC in 2001 and 2022 respectively, where no further action was required. None of these sites is listed as a hazardous waste site under Government Code Section 65962.5. According to the Caltrans Scenic Highway Map there is no scenic highway located within the vicinity of the proposed Project or within its site. Furthermore, according to a 2009 assessment the “Hollywood Recreation Center is a modest example of Mid-Century Modern architecture and one of 30 City Pools constructed in the immediate post-WWII era to meet the demands of an explosion of post-war residential growth in Los Angeles.” The assessment found that the Recreation Center did not appear to meet the criteria for listing in the California Register or for designation as a Los Angeles Historic Cultural Monument and that the Hollywood Recreation Center was not considered a “historical resource” under CEQA. Therefore, its demolition will not cause a substantial adverse change in the significance of any historical resource.

Based in this information, RAP staff recommends that the Board of Recreation and Park Commissioners (Board) determines that this Project is exempt from California Environmental Quality Act (CEQA) pursuant to State CEQA Guidelines Article 19, Section 15332. Bureau of Engineering Staff will file a Notice of Exemption with the Los Angeles County Clerk and the Governor’s Office of Land Use and Climate Innovation.

FISCAL IMPACT

The Project will be funded by a combination of the aforementioned funding sources. There is no immediate fiscal impact to RAP’s General Fund at this time. However, operations and maintenance costs will be evaluated and included in future RAP budget requests.

The City's liability under the contract resulting from this bid process shall only extend to the present City appropriation to fund the contract. However, if the City appropriates additional funds for any succeeding years, the City's liability shall be extended to the extent of such appropriation, subject to the terms and conditions of the contract.

STRATEGIC PLAN INITIATIVES AND GOALS

Approval of this Board Report advances RAP's Strategic Plan by supporting:

Goal No. 3: Create and Maintain World Class Parks and Facilities
Outcome No. 2: Long-term park system planning is guided by community engagement, data, and a commitment to equity

Key Metric: Complete capital improvement plan.
Target: 40% by 2024

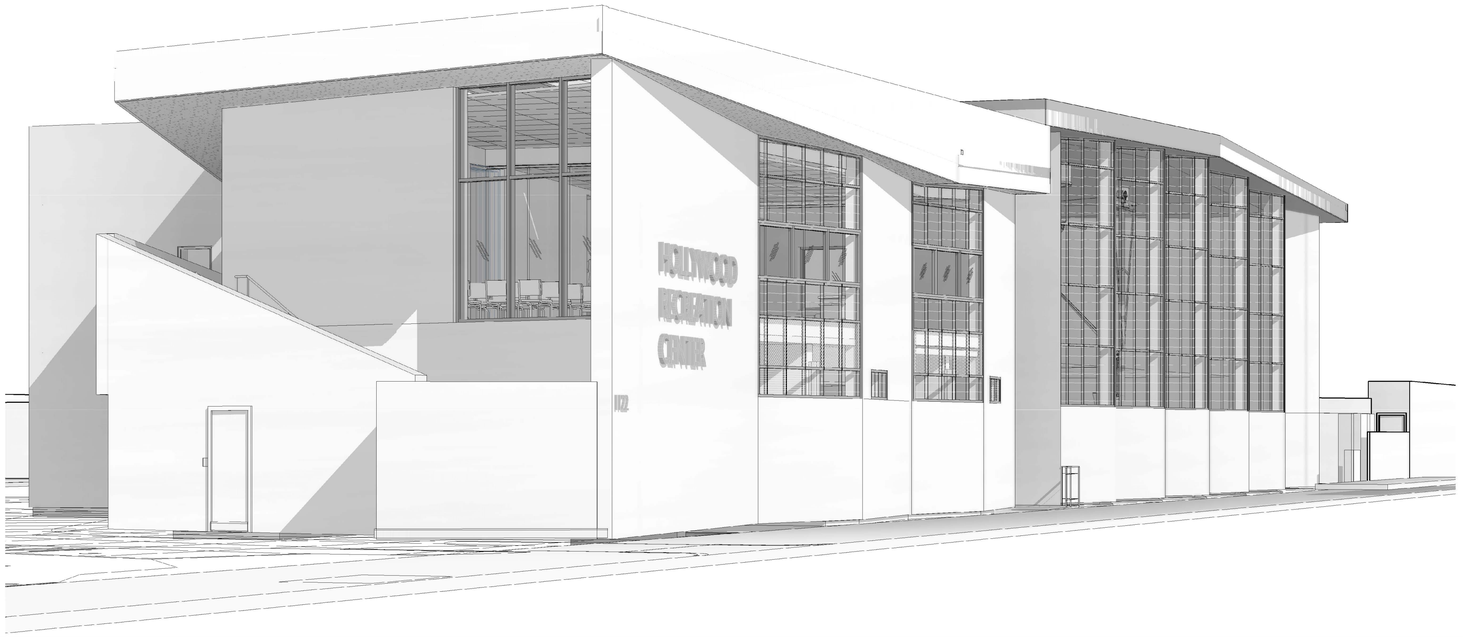
This Report was prepared by Alex Ngo, Project Manager, BOE Architectural Division; reviewed by Ohaji Abdallah, Contract Administrator/ Proposition K Program BOE Architectural Division; and Darryl Ford, Superintendent, Planning, Construction and Maintenance Branch, Department of Recreation Parks.

LIST OF ATTACHMENTS

1) Attachment No. 1 – Final Plans and Specifications
2) Attachment No. 2 – RAP Tree Replacement Diagrams
3) Attachment No. 3 – Notice of Exemption

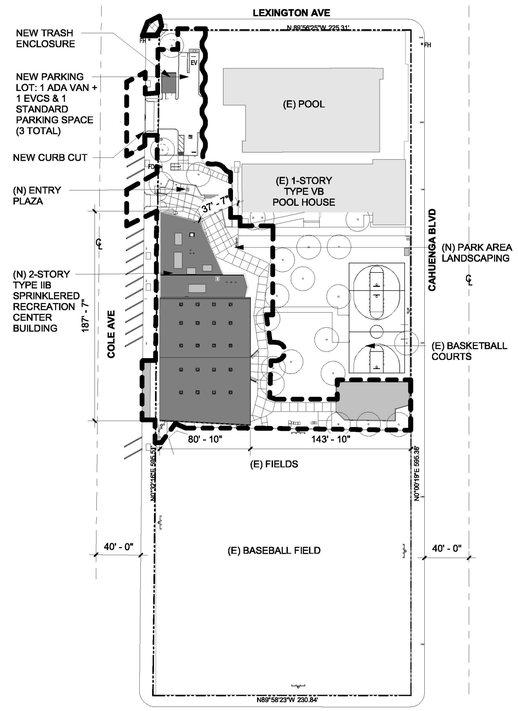
BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

HOLLYWOOD RECREATION CENTER PHASE II -MODERN GYMNASIUM



PERSPECTIVE #1

LADBS APPROVAL STAMP



PLOT PLAN 1/64" = 1'-0"

CODE ANALYSIS SUMMARY:

CONSTRUCTION TYPE:
TYPE II-B, FULLY SPRINKLERED PER NFPA 13

MIXED OCCUPANCIES (A-3, B)
FOR PURPOSES OF ALLOWABLE AREA/HEIGHT/STORY CALCULATIONS, A-3 IS THE MORE STRINGENT AND ASSUMED OCCUPANCY GROUP FOR THE ENTIRE BUILDING (NON-SEPARATED OCCUPANCIES).

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (PER TABLE 601)

PRIMARY STRUCTURAL FRAME:	0 HRS
BEARING WALLS, EXTERIOR:	0 HRS
BEARING WALLS, INTERIOR:	0 HRS
NON-BEARING WALLS, EXTERIOR:	0 HRS (PER TABLE 602, WALLS >10' FROM OTHER BUILDINGS AND CL OF STREETS)
NON-BEARING WALLS, INTERIOR:	0 HRS
FLOOR CONSTRUCTION:	0 HRS
ROOF CONSTRUCTION:	0 HRS

BUILDING AREA:

ALLOWABLE (PER SECTION 506.2): TYPE II-B, SM (W/O HEIGHT INCREASE) **28,500 SF PER LEVEL**
LEVEL 1 PROPOSED: **10,503 SF**
LEVEL 2 PROPOSED: **2,946 SF**
TOTAL **13,449 SF**

BUILDING HEIGHT:

ALLOWABLE (PER TABLE 504.3: TYPE II-B, OCCUPANCY A (WITH AREA INCREASE): **55'**
PROPOSED: **33' 10"**

NUMBER OF STORIES:

ALLOWABLE (PER TABLE 504.4: TYPE II-B, OCCUPANCY A-3 (WITH AREA INCREASE): **2 STORIES**
PROPOSED: **2 STORIES**

INTERIOR WALL AND CEILING FINISH FLAME SPREAD INDEX MINIMUM REQUIREMENTS BY OCCUPANCY PER TABLE 803.13

- INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS	B
- CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	B
- ROOMS AND ENCLOSED SPACES	C

DEFERRED SUBMITTALS
THE FOLLOWING IS A LIST OF CONTRACTOR PROVIDED DESIGN/BUILD, DELAYED REVIEW / DEFERRED APPROVAL ITEMS FOR SUBMITTAL AND REVIEW BY THE CITY OF LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY.

THESE DEFERRED SUBMITTALS SHALL FIRST BE SUBMITTED BY THE CONTRACTOR TO THE ARCHITECT / ENGINEER OF RECORD FOR REVIEW AND COORDINATION; FOLLOWING THE COMPLETION OF THE ARCHITECT / ENGINEER'S REVIEW AND APPROVAL, A SUBMITTAL TO THE CITY SHALL BE MADE WHICH SHALL INCLUDE A LETTER STATING "THIS REVIEW AND COORDINATION HAS BEEN PERFORMED AND COMPLETED, PLANS AND CALCULATIONS FOR THE DEFERRED ITEMS ARE FOUND TO BE ACCEPTABLE (E.G. WITH REGARD TO GEOMETRY, LOAD CONDITIONS, ETC.) WITH NO EXCEPTIONS".

* Fire Suppression (Sprinkler) System per NFPA 13
* Automatic Fire Alarm System per LACF 907.2
* Temporary Shoring
* Glazing and Curtain Wall Systems
* Photovoltaic systems and supports
  a. Contractor's Sub to design all systems including panels, supports, wiring, etc.
  b. Contractor to procure design, hardware.
  c. Contractor to install per installation plans as approved by Engineer of Record, and LADBS.

APPLICABLE CODES:

BUILDING CODES:
2019 CALIFORNIA BUILDING CODE, BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC), WITH 2019 CITY OF LOS ANGELES AMENDMENTS.

MECHANICAL CODES:
2019 CALIFORNIA MECHANICAL CODE, BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC), WITH 2019 CITY OF LOS ANGELES AMENDMENTS.

PLUMBING CODES:
2019 CALIFORNIA PLUMBING CODE, BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC), WITH 2019 CITY OF LOS ANGELES AMENDMENTS.

ELECTRICAL CODES:
2019 CALIFORNIA ELECTRICAL CODE, BASED ON THE 2017 NFPA 70, WITH 2019 CITY OF LOS ANGELES AMENDMENTS.

PROJECT ADDRESS
1122 N. COLE AVE.
LOS ANGELES, CA. 90038

LEGAL DESCRIPTION:

PIN Number	144B185 487
Lot/Parcel Area (Calculated)	96,657.5 (sq ft)
	Thomas Brothers Grid, PAGE 593-GRID F5
Assessor Parcel No. (APN)	5533009901
Tract	COLEGROVE
Map Reference	M R 53-10
Block	BLK 17
Lot	PT 1
Arb (Lot Cut Reference)	None
Map Sheet	144B185

ZONING:

Zone:	OS-1XL
Hillside Area:	No
Specific Plan Area:	None
Historic Preservation:	None
High Fire Severity Zone:	No
Methane Hazard:	No
Flood Zone:	None

DESCRIPTION OF WORK:
Existing Use: Recreation Center
Proposed Use: Recreation Center

* DEMOLITION OF EXISTING RECREATION CENTER BUILDING
* DEMOLITION OF EXISTING PLAYGROUND, EXERCISE EQUIPMENT, AND OTHER MISC. SITE AMENITIES
* DEMOLITION OF 9 PARKING STALLS
* NEW 13,907 SF RECREATION CENTER BUILDING
* NEW +/-36,000 SF LANDSCAPING WITH NEW SITE FENCING, NEW PLAYGROUND PAD, EXERCISE EQUIPMENT PAD, AND OTHER MISC. SITE AMENITIES. NEW PARKING LOT WITH 3 PARKING SPACES (1 VAN ADA, 1 EVCS, STANDARD SPACE), AND NEW TRASH ENCLOSURE.

BUREAU OF ENGINEERING
OFFICIAL RECORD

PROJECT INFO

ARCHITECT:
Lehrer Architects LA, Inc.
2140 Hyperion Ave., Los Angeles, CA 90027
www.lehrerarchitects.com
Contact: Erik Alden, AIA LEED AP
Phone: 323.664.4747
email: erik@lehrerarchitects.com

CLIENT:
City of Los Angeles Department of Public Works
Bureau of Engineering
1149 S. Broadway, Suite 830, Los Angeles, CA 90015
Contact: Alexander D. Ngo
Phone: 213 485 4821
e-mail: alexander.ngo@lacity.org

GEOTECHNICAL ENGINEER:
Geotechnical Engineering Group | Geotechnical Engineer I
Bureau of Engineering | Department of Public Works
1149 S. Broadway, Suite 120, Los Angeles, CA 90015
Contact: Easton Forcier, PE, GE
Phone: (213) 847-0476
email: easton.forcier@lacity.org

STRUCTURAL ENGINEER:
Nous Engineering
600 Wilshire Boulevard, Suite 760
Los Angeles, California 90017
nousengineering.com
Contact: Omar L. Garza, SE, LEED AP
Phone: 213.627.6687 x104
email: omar.garza@nousengineering.com

ENERGY CONSULTANT:
Verdical Group
199 S. Los Robles Ave. Suite 300, Pasadena, CA 91101
www.verdicalgroup.com
Contact: Frank Schwamborn, PE, LEED AP BD+C
Phone: (909) 292-7894
email: frank.schwamborn@verdicalgroup.com

COMMISSIONING AGENT:
Verdical Group
199 S. Los Robles Ave. Suite 300, Pasadena, CA 91101
www.verdicalgroup.com
Contact: Drew Shula, Principal
Phone: (818) 390-4943
email: drew.shula@verdicalgroup.com

OWNER:
City of Los Angeles
Department of Recreation & Parks
Planning, Construction, & Maintenance
Contact: Cathie M. Santo Domingo, P.E., Assistant General Manager
Office: 213 202-2668
e-mail: cathie.santodomingo@lacity.org

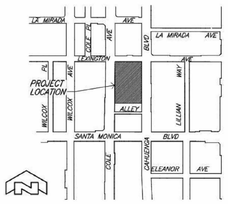
CIVIL ENGINEER:
Barbara L. Hall, PE, Inc.
318 West Evergreen Avenue, Monrovia, CA 91016
Contact: Barbara L. Hall, PE
Phone: (626) 256-3220
email: barbara_hall@blhallinc.com

LANDSCAPE ARCHITECT:
STUDIO-MLA
251 South Mission Road, Los Angeles, California 90033
Contact: Michelle Sullivan, ASLA, RLA, ISA, LEED AP
Phone: 213 384 3844
email: michelle@studio-mla.com

MEP ENGINEER:
S&K Engineers/Alfa Tech Engineers
421 E. Huntington Drive, Monrovia, CA 91016
www.skengineers.com
Contact: Nick Kourassis, P.E., CEM
Phone: 626.803.0143

SPECIFICATIONS:
Gary Barnett Specifications Inc.
24701 Amelia Lane, Santa Clarita, CA 91321
Contact: Gary Barnett RA, CSI, SCIP
Phone: 661. 284. 6882
email: gary@gbspecs.com

PROJECT TEAM



VICINITY MAP

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. RP-300126
BUILDING NO. -

REGISTERED PROFESSIONAL ENGINEER TED S. ALLEN No. C-58399 CIVIL STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, PE
ACCEPTED BY:
CITY ENGINEER
Electronically Signed by Deborah Weintraub on 08/27/2024 9:56:52 AM
DEPUTY CITY ENGINEER / PROGRAM MANAGER
8/27/2024 DATE
CITY ENGINEER
09/30/2024 DATE

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: COVER

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. G000
SHEET 0 OF SHEETS

PLOTTED:6/25/2024 2:51:07 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 02/13/14
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

ABBREVIATIONS

⊥	PERPENDICULAR
=	PARALLEL OR EQUAL
&	AND
@	AT
#	NUMBER
%	PERCENT
AD	AREA DRAIN
ADJ	ADJACENT
A.B.	ANCHOR BOLT
ABV.	ABOVE
A.C.	ASPHALT CONCRETE
ACOUST.	ACOUSTICAL
A/C	AIR CONDITIONING
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISH FLOOR
AGG.	AGGREGATE
AM	APICAL MERISTEM
ALUM.	ALUMINUM
ALT.	ALTERNATE
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURE (URAL)
ASTM	AMERICAN SOCIETY OF TESTING & MATERIALS
ASSY	ASSEMBLY
AVG	AVERAGE
AVE	AVENUE
BC	BOTTOM OF CURB
BCR	BEGIN CURB RADIUS
BD.	BOARD
BEL.	BELOW
BFP	BACK FLOW PREVENTER
BET.	BETWEEN
B.G.	BELOW GRADE
BLD'G.	BUILDING
BLK'G.	BLOCKING
BOT.	BOTTOM
BTH	BROWN TRUNK HEIGHT
BW	BOTTOM OF WALL
B/S	BOTH SIDES
B.S.	BOTTOM OF STEP
BOB	BASIS OF BEARINGS
C	CAMBER
CAB.	CABINET
CEM.	CEMENT
CER.	CERAMIC
C.G.	CORNER GUARD
CHAM.	CHAMFER
C.I.P.	CAST-IN-PLACE
CIR.	CIRCLE
CIRC.	CIRCUMFERENCE
C.JT.	CONTROL JOINT
CL.	CENTER LINE
C/L.	CONTROL LINE
CLG.	CEILING
CLR.	CLEAR
C.M.B.	CRUSHED MISCELLANEOUS BASE
C.M.U.	CONCRETE MASONRY UNIT
CNTR.	COUNTER
COL.	COLUMN
COMP.	COMPUTER
CONC.	CONCRETE
CONN.	CONNECTION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS (ATION)
CONTR.	CONTRACT (OR)
CORR.	CORRIDOR
CPT.	CARPET
CSMT.	CASEMENT
C.T.	CERAMIC TILE
CTR.	CENTER
CORP	CORPORATION
CY	CUBIC YARD
d	PENNY (NAIL SIZE)
DEG	DEGREE
DG	DECOMPOSED GRANITE
DI	DRAIN INLET
DBL.	DOUBLE
DEMO.	DEMOLITION
DEP.	DEPRESSED
DIA.	DIAMETER
DIAG	DIAGONAL
DIM.	DIMENSION
DN.	DOWN
DR.	DOOR
DRWG.	DRAWING
DS	DOWN SPOUT
DTL.	DETAIL
DWR.	DRAWER
(E)	EXISTING
EA.	EACH
E.B.	EXPANSION BOLT
E.F.	EACH FACE
EL.	ELEVATION
ELEC.	ELECTRIC (AL)
ELEV.	ELEVATOR
EQ.	EQUAL OR =
EQPT.	EQUIPMENT
E.S.	EACH SIDE
ESC.	ESCALATOR
EST.	ESTIMATE
E.W.	EACH WAY
EXIST'G.	EXISTING
EJ	EXPANSION JOINT
EXT.	EXTERIOR
ENGR	ENGINEER
EX	EXISTING
ETC	ETCETERA
FDTN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.F.	FINISH FLOOR
F.F.E.	FINISH FLOOR ELEVATION
F.F.L.	FINISH FLOOR LINE
F.G.	FINISH GRADE
FIN.	FINISH
FLR.	FLOOR (ING)
FLUOR.	FLUORESCENT
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
FP.	FIREPLACE
FR.	FRAME
FT.	FOOT OR FEET
FUT.	FUTURE
FDC	FIRE DEPARTMENT CONNECTION
FS	FINISH SURFACE
FTG	FOOTING
GA.	GAUGE
GAL	GALLON
GALV.	GALVANIZED
GPM	GALLON PER MINUTE
G.C.	GENERAL CONTRACTOR
GB	GLASS BLOCK
GL	GLASS
GLB	GLU-LAM BEAM
GRD.	GRADE, GRADING
GRT.	GROUT
GVL.	GRAVEL
GYP.	GYPSUM
HB	HEADERBOARD
HP	HIGH POINT
HC.	HANDICAPPED
HSS	HOLLOW STRUCTURAL STEEL
HDR.	HEADER
HDWR.	HARDWARE
H.M.	HOLLOW MTL.
HOR.	HORIZONTAL
HR.	HOUR
H,HT.	HEIGHT
HTG.	HEATING
HVAC	HEATING/VENTILATION/ AIR CONDITIONING
HWD.	HARDWOOD
HWH.	HOT WATER HEATER
IRRIG	IRRIGATION
I.D.	INSIDE DIAMETER
INS.	INSULATE, INSULATION
INT.	INTERIOR
J.	JOIST
JT.	JOINT
L	LENGTH
LB	POUND
LF	LINEAR FEET
L.O.W.	LIMIT OF WORK
LP	LOW POINT
LAM.	LAMINATE
LT.	LIGHT
LTL.	LINTEL
LW.	LIGHTWEIGHT
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MRB.	MARBLE
MTL.	MTL.
MUL.	MULLION
(N)	NEW
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
N.T.S.	NOT TO SCALE
NAT	NATURAL
NOM	NOMINAL
N.T.E.	NOT TO EXCEED
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OH.	OVERHEAD
OF/CI	OWNER FURNISHED/CONTRACTOR INSTALLED
OPNG.	OPENING
OPP.	OPPOSITE
P.A., PA	PLANTING AREA
PERF	PERFORATED
P.O.B.	POINT OF BEGINNING
POC	POINT OF CONNECTION
POT	POINT OF TANGENCY
PP	POWER POLE
PT	PRESSURE TREATED
PAR	PARALLEL
PFB.	PREFABRICATED
PKG.	PARKING
PL.	PLATE
PLAS.	PLASTER
PLAM.	PLASTIC LAMINATE
P.L.	PROPERTY LINE
PLYWD.	PLYWOOD
PNT.	PAINT
PNL.	PANEL
PR.	PAIR
P.S.F.	PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
PTN.	PARTITION
PNT.	POINT
PTD.	PAINTED
PVMT.	PAVEMENT
PVC	POLY VINYL CHLORIDE
QCV	QUICK COUPLING VALVE
QTY	QUANTITY
R	RISER
RAD.	RADIUS
R.B.	RUBBER BASE
RB.T.	RUBBER TILE
REF.	REFERENCE
REM.	REMOVE
REQD.	REQUIRED
RET.	RETURN
REV.	REVISION
RFH.	ROOF HATCH
R.O.	ROUGH OPENING
R.C.B.	ROOT CONTROL BARRIER
RCV	REMOTE CONTROL VALVE
REINF.	REINFORCED
REP.	REPRESENTATIVE
ROW	RIGHT-OF-WAY
S.A.V.D	SEE AUDIOVISUAL DRAWINGS
S.C.D	SEE CIVIL DRAWINGS
S.E.D	SEE ELECTRICAL DRAWINGS
S.L.D	SEE LANDSCAPE DRAWINGS
S.M.D	SEE MECHANICAL DRAWINGS
S.P.D	SEE PLUMBING DRAWINGS
S.S.D	SEE STRUCTURAL DRAWINGS
SEC.	SECTION
SHTH.	SHEATHING
SHT.	SHEET
SIM.	SIMILAR
S.O.G.	SLAB-ON-GRADE
SPK.	SPEAKER
SPECS.	SPECIFICATIONS
SQ.	SQUARE
STRUCT.	STRUCTURAL
SUS.	SUSPENDED
S.C.	SAWCUT JOINT
SE	STRUCTURAL ENGINEER
SCH.	SCHEDULE
SF`S	QUARE FEET
SIM.	SIMILAR
S.J.	SCORE JOINT
S.L.	SCORELINE
SPECS	CONTRACT SPECIFICATIONS
SQ.	SQUARE
SS	STAINLESS STEEL
STD.	STANDARD
SYM	SYMMETRICAL
S4S	SURFACED FOUR SIDE
T.	TREAD OR TOILET
T.B.D.	TO BE DETERMINED
TC	TOP OF CURB
TF	TOP OF FOOTING
TG	TOP OF GRATE
TS	TUBULAR STEEL
TW	TOP OF WALL
T. & G.	TONGUE AND GROOVE
THK.	THICK
T.O.S.	TOP OF SLAB
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
UR.	URINAL
V.B.	VINYL BASE
VERT.	VERTICAL
VIN.	VINYL
VIN.	VERIFY IN FIELD
W	WIDTH
W/	WITH
WD.	WOOD
W/O	WITHOUT
WP.	WORKING POINT
WT.	WEIGHT
WL	WATER LEVEL
W.W.M.	WELDED WIRE MESH

ABBREVIATIONS CONT'D

SYMBOLS

- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- WALL TAG (li)
- DOOR TAG (101)
- WINDOW / FRAME TAG (li)
- FINISH TAG (XX)
- KEYNOTE TAG (XXXX)
- EXTERIOR ELEVATION
- SHEET NUMBER
- INTERIOR ELEVATION
- SHEET NUMBER
- SECTION NUMBER / SHEET NUMBER
- DETAIL NUMBER / SHEET NUMBER
- CENTER LINE
- CEILING HEIGHT
- ALIGN TWO SURFACES
- EXIT SIGN (ARROW INDC. DIRECTIONAL SIGN)
- REVISION NOTATION
- WORK POINT
- SPRINKLER HEAD
- SPEAKER (SP)
- TELEPHONE
- OUTLET
- ELECT. SWITCH
- DATA OUTLET
- SMOKE DETECTOR (SD)
- EXHAUST FAN

LADBS APPROVAL STAMP

SHEET INDEX

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G006	ACOUSTIC TESTING
G007	LADBS APPROVAL LETTERS
G008	REC & PARKS ZONING EXEMPTION LETTERS
G009	OWNER PROJECT REQUIRMENTS
G010	BASIS OF DESIGN
G011	BASIS OF DESIGN
G012	COMMISIONING PLAN
G013	COMMISIONING PLAN
G014	COMMISIONING PLAN
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2	SITE SURVEY

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ARCHITECTURE

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A100	SITE DEMOLITION PLAN
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A220	ENLARGED PLANS - GROUND - SERVICE WING
A221	ENLARGED PLANS - GROUND - GYM NORTH
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S0.22	TYPICAL STEEL DETAILS
S0.23	TYPICAL STEEL DETAILS
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BUREAU OF ENGINEERING
OFFICIAL RECORD

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	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

ENGINEERING
CITY OF LOS ANGELES

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
DATE:

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TABLE OF CONTENTS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. G001
SHEET OF SHEETS

PLOTTED:6/25/2024 2:51:11 PM

A. GENERAL NOTES

1. THE CONTRACT DOCUMENTS DEFINE THE DESIGN INTENT AND SCOPE OF THE WORK AND SHALL BE CONSIDERED AS A WHOLE IN DEFINING THE PROJECT. THROUGH PORTIONS OF THE WORK HAVE BEEN DIVIDED INTO DIFFERENT TRADES AS IS CUSTOMARY, REQUIREMENTS FOR EACH TRADE MAY HAVE INFORMATION PERTINENT TO THAT TRADE IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS.

2. THESE NOTES APPLY TO THE CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL AND OTHER CONTRACT DOCUMENTS FOR ADDITIONAL GENERAL NOTES, SCOPE, ABBREVIATIONS AND SYMBOLS.

3. STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS ARE OF EQUAL IMPORTANCE WITH ARCHITECTURAL DRAWINGS IN DEFINING THE WORK OF THE CONTRACT DOCUMENTS. REVIEW THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF STRUCTURAL, MECHANICAL AND ELECTRICAL WORK, IF A DISCREPANCY BETWEEN THE ARCHITECTURAL DRAWINGS AND THE ENGINEERING DRAWINGS IS FOUND, NOTIFY ARCHITECT REQUESTING CLARIFICATION. ANY WORK THAT IS EXECUTED NOT IN ACCORDANCE WITH THE DESIGN INTENT, OR PRIOR TO CLARIFICATION BY ADDITIONAL ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY CONTRACTOR AT HIS EXPENSE AND AT NO ADDITIONAL COST TO OWNER OR ARCHITECT.

4. IN CASE OF CONFLICT BETWEEN ARCHITECT'S AND ENGINEER'S DRAWINGS IN LOCATION OF MATERIALS OR EQUIPMENT, THE ARCHITECTURAL DRAWINGS SHALL GOVERN.

5. DRAWINGS OF BASE BUILDING CONDITIONS ARE BASED ON EXISTING BUILDING DRAWINGS AND ON LIMITED FIELD OBSERVATION BY THE ARCHITECT. ACTUAL CONDITIONS MAY DIFFER FROM THOSE SHOWN. IF DISCREPANCIES ARE FOUND BETWEEN THE DOCUMENT AND ACTUAL CONDITIONS AT THE SITE, NOTIFY ARCHITECT IMMEDIATELY.

6. IF DOCUMENTS ARE AT VARIANCE WITH ONE ANOTHER ON A PARTICULAR ITEM OR ITEMS, THE BETTER QUALITY OR MORE EXPENSIVE OF THE CONDITIONS SHALL GOVERN. ITEMS OR EQUIPMENT SPECIFIED UNDER ONE TRADE SHALL BE BINDINGS A IF SPECIFIED UNDER ALL APPLICABLE TRADES.

7. PROVIDE MEANS AND METHODS TO PERFORM AND PROVIDE THE WORK INCLUDING HOISTING, CARTING, ELEVATOR SERVICE, STANDARD AND OVERTIME SERVICES BY THE BUILDING MANAGEMENT AND OVERTIME CHARGES AND EXPENSES WHEN REQUIRED, DUE TO BUILDING MANAGEMENT REQUIREMENTS IN ORDER TO MEET THE CONSTRUCTION SCHEDULE.

8. FILE, OBTAIN, AND PAY FEES FOR BUILDING DEPARTMENT AND OTHER AGENCY APPROVALS AND PERMITS, CONTROLLED INSPECTIONS, AND FINAL WRITE-OFFS FOR PROJECT COMPLETION, INCLUDING INSPECTION COSTS NECESSARY TO OBTAIN A CERTIFICATE OF OCCUPANCY. PROVIDE COPIES OF TRANSACTIONS TO THE ARCHITECT AND BUILDING MANAGEMENT PRIOR TO COMMENCING WORK.

9. WORK SHALL CONFORM TO LOCAL BUILDING CODES AND ORDINANCES AND OTHER AGENCIES HAVING JURISDICTION. THE RULES AND REGULATIONS OF OSHA SHALL BE ADHERED TO FOR THIS PROJECT.

10. MAINTAIN FOR THE ENTIRE LENGTH OF THE WORK EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES AND ALARMS TO CONFORM TO LOCAL BUILDING CODE REQUIREMENTS.

11. BASE BUILDING CORE WALLS, DOORS AND HARDWARE ARE NOT IN CONTRACT AND ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.

12. PROVIDE BRACING AND PROTECT EXISTING WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGE, COLLAPSE, DISTORTION, AND/OR MISALIGNMENT IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS, AND GOOD PRACTICE.

13. PERFORM WORK SO AS TO NOT UNDERMINE THE STRUCTURAL INTEGRITY OF THE BUILDING.

14. PROVIDE NEW WORK CONSISTENT WITH EXISTING CONSTRUCTION FOR CODE COMPLIANCE. MAINTAIN BUILDING CONSTRUCTION TYPE AS NOTED ON CODE ANALYSIS. WHERE BUILDING IS TYPE 1 OR TYPE 11 CONSTRUCTION TYPE PROVIDE MATERIALS MEETING CODE REQUIREMENTS FOR ELEMENTS OF NON-COMBUSTIBLE MATERIALS.

15. WHERE PENETRATIONS OCCUR AT RATED ENCLOSURES, MAINTAIN CONTINUITY OF THE RATING.

16. REFER TO FIRE RATING SCHEDULE ON BUILDING CODE ANALYSIS FOR REQUIRED FIRE RATING OF VARIOUS STRUCTURAL ELEMENTS AND THE REQUIRED UL DESIGN NUMBER.

17. EXCEPT WHEN COMPLETELY ENCLOSED WITHIN FIRE RATED CONSTRUCTION, SEAL OFF OPENINGS IN FLOOR SLABS, INCLUDING SPACES BETWEEN CONDUITS, PIPING, AND OTHER SYSTEMS WITH APPROVED FIRE RATED PENETRATIONS SEALANT SYSTEMS TO MAINTAIN FIRE RATING CONTINUITY OF THE FLOOR CONSTRUCTION.

18. PROVIDE FIRE RESISTIVE (LABELES) DOORS WITH THE APPROPRIATE UL OR OTHER RATING AGENCY LABEL ACCEPTABLE TO GOVERNMENT AUTHORITIES AFFIXED TO BOTH DOOR AND FRAME AT FIRE RATED PARTITIONS.

19. FIRE RATING INDICATIONS ON A WALL MEAN THE ENTIRE LENGTH AND HEIGHT OF WALL IS TO BE FIRE RATED.

20. FIRESTOP OPENINGS IN CONCRETE SLAB TO MEET FIRE RESISTANCE RATING OF FLOOR CONSTRUCTION.

21. INSTALL PIPING, DUCTS, AND OTHER SYSTEMS THAT PENETRATE FLOOR SLABS AND FIRE RATED PARTITIONS IN A MANNER THAT WILL PRESERVE THE FIRE RESISTIVE AND STRUCTURAL INTEGRITY OF THE CONSTRUCTION

22. PROVIDE RATED ASSEMBLIES THAT COMPLY WITH UNDERWRITERS LABORATORIES (UL) TESTED ASSEMBLIES. IN THE ABSENCE OF A TESTED ASSEMBLY, PROVIDE CERTIFICATE OF EQUIVALENCY FORM UL OR THE ICC.

23. MAINTAIN FIRERATED RATING AROUND SHAFTS TO MATCH EXISTING ADJACENT CONSTRUCTION.

24. PROVIDE INTERIOR FINISH MATERIALS PER CODE REQUIREMENTS FOR FLAME SPREAD/ SMOKE DEVELOPED PER LIMITS NOTED ON CODE ANALYSIS BASED ON ASTM E-84 TEST METHOD. COMPLETE COVER FOAMED PLASTIC INSULATION (URETHANE, POLYSTYRENE, POLYISOCYANURATE OR OTHER TYPE) WITH A MINIMUM 1/2 INCH THICKNESS OF GYPSUM WALLBOARD. PROVIDE CEILINGS AND INSULATION ABOVE CEILINGS THAT ARE NON-COMBUSTIBLE.

25. PROVIDE WOOD MATERIALS TO MEET APPLICABLE CODES. BLOCKING SHALL BE FIRE RETARDANT TREATED WOOD IN ACCORDANCE WITH LOCAL BUILDING CODES.

26. PATCH SURFACE WHERE SURFACES ARE DAMAGED IN THE PERFORMANCE FOR WORK IN A MANNER SUITABLE TO RECEIVE SCHEDULED FINISHED AND TO MATCH ADJACENT NON-DAMAGED SURFACES AND NOT BE APPARENT FROM WITHIN 3' OF SURFACE.

27. SURVEY AND VERIFY THAT WALL BASE DOES NOT VARY BY PLUS OR MINUS 3/4 ". TOP OF WALL BASE DATUM AND OTHER DATUMS ARE TO BE LEVEL FROM SPACE TO SPACE AND DETERMINED FROM A SINGLE CONTROL LINE THROUGHOUT THE ENTIRE PROJECT.

28. COORDINATE MECHANICAL AND ELECTRICAL FLOOR, ROOF AND WALL SLEEVES AND MECHANICAL SHAFTS WITH MECHANICAL, PLUMBING, FIRE PROTECTION, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS.

29. ISOLATE DISSIMILAR METALS FROM EACH OTHER TO AVOID MOLECULAR BREAKDOWN.

30. PROVIDE FIRE DAMPERS MATCHING FIRE RATING FOR ADJACENT CONSTRUCTION THAT ARE FIRE DEPARTMENT LISTED AND APPROVED AT WHEREVER AIR DUCTS PENETRATE FIRE-RATED WALLS OR CEILINGS.

31. PROVIDE STIFFENERS, BRACING, BACKING PLATES AND SUPPORTING BRACKETS REQUIRED FOR THE PROPER INSTALLATION OF CASEWORK, AS WELL AS WALL-MOUNTED OR SUSPENDED MECHANICAL, ELECTRICAL AND/OR MISCELLANEOUS EQUIPMENT WHETHER SHOWN OR NOTED.

32. WHETHER OR NOT EXPLICITLY INDICATED, PROVIDE SAFETY GLAZING WHEN GLAZING IS WITHIN 18" OF THE FLOOR OR WITHIN 3'0" HORIZONTAL DISTANCE FROM ANY DOOR. SUPPLY A CERTIFICATE TO ACCOMPANY GLAZING PRODUCTS STATING THAT THE PRODUCTS CONFORM TO APPLICABLE CONSUMER PRODUCT SAFETY STANDARDS. COORDINATE LOCATION OF PERMANENT STAMPS ON GLASS WITH ARCHITECT.

33. PROVIDE SEALANT JOINTS THAT MAINTAIN CONTACT WITH ADJOINING PARTS WITHIN ALLOWABLE DIMENSIONAL CHANGES IN THE JOINT SIZE. PROVIDE SEALANT JOINTS THAT MAINTAIN DURABILITY AND INTEGRITY UNDER ANY AND ALL CONDITIONS.

34. INSTALL SEALANTS WITH APPROPRIATE BACK-UP JOINT FILLERS. TOOL JOINTS PER SEALANT MANUFACTURER'S RECOMMENDATIONS.

35. DETAIL DRAWINGS AS SHOWN INDICATE DESIGN INTENT AND ARE SCHEMATIC. COORDINATE CONNECTIONS, ANCHORS, AND SECUREMENT WITH STRUCTURAL FRAMING AND OTHER BUILDING COMPONENTS TO PROVIDE A COMPLETE, RIGID ASSEMBLY

36. APPLY, INSTALL, CONNECT, ERECT, CLEAN, AND CONDITION MANUFACTURED ARTICLES, MATERIALS, AND EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS. IN CASE OF CONFLICT BETWEEN MANUFACTURER'S INSTRUCTIONS AND CONTRACT DOCUMENTS, OBTAIN WRITTEN CLARIFICATION FROM ARCHITECT BEFORE PROCEEDING.

37. DO NOT SCALE DRAWINGS. DRAWINGS ARE NOT NECESSARILY TO SCALE. VERIFY CONDITIONS AND DIMENSIONS AT JOB SITE PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES ARE FOUND, NOTIFY ARCHITECT FOR CLARIFICATION BEFORE COMMENCING WORK. EXPLICIT DIMENSIONS TAKE PRECEDENCE OVER SCALE.

38. "TYPICAL" OR "TYP" MEANS THAT CONDITION IS REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT, UNLESS OTHERWISE NOTED. DETAILS ARE USUALLY KEYED AND NOTED "TYP" WHERE THEY FIRST OCCUR.

39. "SIMILAR" OR "SIM" MEANS COMPARABLE CHARACTERISTICS FOR CONDITIONS NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLANS AND ELEVATIONS.

40. "ALIGN" MEANS TO ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.

41. DIMENSIONS AND NOTES FOR A GIVEN CONDITION ARE TYPICAL FOR SIMILAR CONDITIONS, UNLESS OTHERWISE NOTED.

42. MAINTAIN DIMENSIONS MARKED "CLEAR". DIMENSIONS MARKED "CLEAR" ARE TO BE WITHIN 1/16 "ALONG FULL HEIGHT AND FULL WIDTH OF WALLS.

43. DIMENSIONS NOTED AS "MINIMUM" ARE REQUIRED CLEARANCES THAT MUST BE ACCURATELY MAINTAINED.

44. REFER TO ENLARGED DRAWINGS AND ELEVATIONS FOR ADDITIONAL INFORMATION CONCERNING DIMENSIONS

45. VERIFY DIMENSIONS SHOWN AS "VIF" IN THE FIELD. VERIFY DIMENSIONS NOTED AS CLEAR, CRITICAL, HOLD AND MINIMUM DURING LAYOUT OF WORK. COORDINATE WITH OTHER WORK, FURNITURE, FILES AND BUILT IN ITEMS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCY PRIOR TO PROCEEDING.

46. FILED VERIFY DIMENSIONS AT MILLWORK.

47. WORK NOTED "BY OTHERS" OR "NIC" WILL BE PROVIDED BY OWNER OR UNDER SEPARATE CONTRACT. COORDINATE AND SCHEDULE THIS WORK WITH OWNER AND OWNER'S SEPARATE CONTRACTORS TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.

48. DRAWINGS AT A LARGER SCALE TAKE PRECEDENCE OVER DRAWINGS AT SMALLER SCALE. WHERE INCONSISTENCIES ARE FOUND IN THE DRAWINGS, REQUEST CLARIFICATION FROM ARCHITECT PRIOR TO PROCEEDING.

49. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECTS OF REQUIRED CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

50. SURVEY EXISTING WINDOW TREATMENTS FOR ANY DAMAGE PRIOR TO START OF WORK. NOTIFY ARCHITECT OF SURVEY BY CLEARLY INDICATING ON A PLAN PRE-EXISTING DAMAGE. PROTECT FORM DAMAGE WINDOW TREATMENTS DURING THE WORK.

51. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE-FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOKUP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.

52. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWN STREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING." (PER ORDINANCE 170,158) (INCLUDES COMMERCIAL ADDITIONS AND TI WORK OVER $10,000.) SEPARATE PLUMBING PERMIT IS REQUIRED.

53. PROVIDE ULTRA FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.

54. A COPY OF THE EVALUATION REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.

B. DEMOLITION NOTES

1. FURNISH LABOR AND MATERIALS AS REQUIRED TO COMPLETE DEMOLITIONS AND REMOVAL OF ITEMS AS SHOWN OR NOTED ONDRAWINGS.

2. EXECUTE WORK WITHIN BUILDING REGULATIONS FOR DEMOLITION AND REMOVAL OF DEBRIS. COORDINATE DEMOLITION WORK AND RUBBISH REMOVAL WITH BUILDING MANAGER (OWNER).

3. ERECT NECESSARY TEMPORARY PARTITIONS TO PROTECT AREAS NOTED AS EXISTING TO REMAIN. COORDINATE WITH OWNER AND ARCHITECT TO ESTABLISH LOCATIONS AND TYPE OF TEMPORARY PROTECTION REQUIRED.

4. PROTECT THE PROPERTY, INCLUDING BUT NOT LIMITED TO FLOORS, CEILING TILES, GYPSUM BOARD SOFFITS, PUBLIC TOILETS, ELEVATORS, DOORS, FRAMES AND OTHER PROPERTY THROUGHOUT THE WORK.

5. PROVIDE TEMPORARY LIGHTING AS REQUIRED TO PERFORM THE WORK AND TO MEET CODE REQUIREMENTS FOR EGRESS.

6. SALVAGED MATERIALS FIXTURES AND EQUIPMENT REMOVED AS PART OF THE DEMOLITION WORK SHALL BE OFFERED TO THE OWNER'S REPRESENTATIVE PRIOR TO DISPOSAL, UNLESS OTHERWISE NOTED.

7. COORDINATE DEMOLITION WORK WITH OTHER WORK. REMOVE EXISTING CONSTRUCTION AS REQUIRED TO PROVIDE FINAL FINISHED PRODUCT INTENDED IN THIS CONTRACT AND TO COMPLETE NEW WORK. DRAWINGS DO NOT NECESSARILY SHOW COMPLETE DEMOLITION WORK REQUIRED, BUT RATHER SHOWN INTENT OF DEMOLITION AND NEW CONSTRUCTION. DEMOLISH TO A POINT TO PROVIDE SUITABLE TRANSITION AND BONDING OF EXISTING WORK TO NEW WORK

8. AREAS OF DEMOLITION SHALL BE LEFT BROOM CLEAN DAILY.

9. IMMEDIATELY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.

10. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED AT NO COST TO OWNER OR ARCHITECT

11. COORDINATE DEMOLITION AND REMOVALS WITH BUILDING MANAGER TO NOT DISRUPT SERVICES TO BUILDING OCCUPANTS OR CAUSE EXCESSIVE NOISE. SHUTDOWNS OR TEMPORARY SERVICE CURTAILMENT

12. PERFORM CUTTING, CHASING, DRIVING AND OTHER NOISY DEMOLITION OF WALLS, SLABS, AND OTHER CONSTRUCTION, REQUIRING THE USE OF JACKHAMMERS OR OTHER HEAVY TOOLS AFTER NORMAL WORKING HOURS. WORK SHALL BE SCHEDULED WITH BUILDING MANAGER

13. SALVAGE ITEMS NOTED FOR REUSE. STORE AND PROTECT SALVAGED ITEMS ON SITE. TAKE PRECAUTIONS TO PRESERVE AND MAINTAIN EXISTING FINISH, OPERATIONAL CHARACTERISTICS AND APPEARANCE OF ITEMS. REFURBISH SALVAGED ITEMS TO MATCH NEW ITEMS AND TO ENSURE ITEMS ARE IN GOOD WORKING ORDER PRIOR TO INSTALLATION. WHERE ITEMS CANNOT BE REFURBISHED, NOTIFY ARCHITECT PRIOR TO PROCEEDING WITH THIS WORK.

14. COORDINATE WITH BUILDING MANAGER FOR STORAGE LOCATION FOR SALVAGED ITEMS FOR REUSE OR FOR TURN-OVER TO OWNER PRIOR TO DEMOLITION.

15. PROVIDE FILTERING OF RETURN AIR DURING WORK PER BUILDING REGULATIONS FOR DEMOLITION AND CONSTRUCTION. MAINTAIN AND CHANGE FILTER MEDIA AS NEEDED THROUGHOUT DEMOLITION AND CONSTRUCTION.

16. REFER TO ENGINEERING DRAWINGS FOR ADDITIONAL DEMOLITION WORK

17. INSPECT, TEST AND DISCONNECT UTILITY SERVICES AT MAIN SOURCE OR MAIN BRANCH WITHOUT DISRUPTING UTILITY SERVICES FOR THE BUILDING. SECURELY CAP AND/OR VALVE-OFF UTILITY SERVICE BEHIND FINAL FINISHED SURFACES OR INTENDED CONSTRUCTION OR , ONLY WHEN NOTED, AT FINISHED FACE PRIOR TO DEMOLITION OPERATIONS. INDICATE PERMANENTLY ABANDONED UTILITIES ON RECORD DRAWING TO BE SUBMITTED TO BUILDING MANAGER.

18. DEMOLITION AND REMOVAL OPERATIONS SHALL NOT UNDERMINE THE STRUCTURAL INTEGRITY OF THE BUILDING.

19. COORDINATE WITH OWNER FOR TURN-OVER OF AREA FOR DEMOLITION TO VERIFY THAT OWNER HAS REMOVED ITEMS THAT WERE SCHEDULED TO BE REMOVED BY THE OWNER

20. WHERE ITEMS REMAIN IN DEMOLITION AREAS THAT APPEAR TO BE WORK AD SUITABLE FOR FUTURE USE, NOTIFY OWNER AND ARCHITECT TO VERIFY DISPOSITION PRIOR TO REMOVAL OR DEMOLITION

21. DO NOT MIX RUBBISH WITH THAT OF THE BUILDING OCCUPANTS, AND CART REMOVALS AND DEBRIS AWAY FROM THE BUILDING PREMISES AND DISPOSED OF LEGALLY.

22. IMMEDIATELY CLEAN, REMOVE, AND LEGALLY DISPOSE OF DEBRIS AFTER A MAJOR DEMOLITION OPERATION BEFORE COMMENCEMENT OF THE NEXT NORMAL WORKING BAY ON FLOORS WHERE THERE ARE OCCUPANTS. CLEAR REMOVALS, RUBBISH AND DEBRIS FROM PREMISES PRIOR TO THE COMMENCEMENT OF NORMAL WORKING HOURS. VACUUM CLEAN CARPETING SOILED BY HIS OPERATIONS ON FLOORS WHERE THERE ARE OCCUPANTS.

23. REMOVE FROM SITE CONTAMINATED, VERMIN-INFESTED OR DANGEROUS MATERIALS ENCOUNTERED AND LEGALLY DISPOSE OF BY SAFE MEANS.

24. KEEP PREMISES CLEAN AND DO NOT LET DEBRIS, RUBBISH, EXCESS CONSTRUCTION MATERIAL ACCUMULATE NOR OBSTRUCT EXITS AND EXIT PASSAGEWAYS.

25. CAREFULLY REMOVE AND STORE FOR TENANT'S REUSE EXISTING WHOLE CEILING TILES. PARTIAL TILES WILL BE DISCARDED.

26. REMOVE EXISTING FIRE EXTINGUISHERS AND CABINETS FROM WALLS SCHEDULED TO BE DEMOLISHED. SALVAGE AND STORE FOR RELOCATIONS. VERIFY NEW LOCATIONS WITH ARCHITECT.

27. REMOVE FLOOR PROTRUSIONS INCLUDING ABANDONED OUTLETS AND CONDUITS.

28. PROTECT EXISTING WINDOW SYSTEM AND GLAZING FROM DAMAGE DURING DEMOLITION.

29. REMOVE EXISTING FLOOR COVERING WHERE NEW FLOOR COVERING IS INDICATED ON FINISH PLAN. REMOVE PADDING BELOW CARPET SCHEDULED AS NEW. PREPARE SLAB FOR NEW FLOORING.

30. STRIP EXISTING FLOORING. CLEAN IRREGULARITIES FROM EXISTING WALL SURFACES AND REMOVE SURFACE STAINING. CLEAN EXITING TRANSITION STRIPS AND POLISH FLOORS TO BRING FINISH.

31. WHERE BASE OR WALL COVERING IS REMOVED FROM EXISTING GYPSUM WALLBOARD CONSTRUCTION, PATCH SMOOTH TO MATCH ADJACENT NON-DAMAGED CONSTRUCTION SO AS TO NOT TELEGRAPH THROUGH NEW BASE OR WALL COVERING WHERE SCHEDULED. PRIME AND PAINT SURFACES AND PREP FOR NEW FINISHED SO THAT SUBSTRATE SURFACES BELOW NEW WALL COVERING MATCH IN VISCOSITY AND ACCEPT ADHESIVE IN A SIMILAR MANNER WITHOUT TELEGRAPHING THROUGH NEW WALL COVERING INSTALLATION.

32. IMMEDIATELY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.

33. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED AT NO COST TO OWNER OR ARCHITECT

34. COORDINATE DEMOLITION AND REMOVALS WITH BUILDING MANAGER TO NOT DISRUPT SERVICES TO BUILDING OCCUPANTS OR CAUSE EXCESSIVE NOISE. SHUTDOWNS OR TEMPORARY SERVICE CURTAILMENT

C. CONSTRUCTION GENERAL NOTES

1. DOOR NUMBERS ARE THE SAME AS THE ROOM NUMBER AT ROOMS WITH ONE DOOR. ROOMS WITH MULTIPLE DOORS HAVE A DESIGNATION AT THE DOOR.

2. LAYOUT PARTITIONS FOR THE ARCHITECT TO REVIEW FOR DESIGN INTENT. DO NOT PROCEED WITH THE INSTALLATION OF STUDS WITHOUT THIS REVIEW APPROVAL. COORDINATE AND VERIFY CONDITIONS TO ENSURE PROPER FIT. REVIEW FOR DESIGN INTENT DOES NOT RELEASE CONTRACTOR FROM THE RESPONSIBILITY TO MAINTAIN CRITICAL DIMENSIONS AND CLEARANCES.

3. WHERE INTERIOR PARTITIONS ARE TO ALIGN WITH BASE BUILDING PARTITIONS OR COLUMNS, CONSTRUCT ALIGNMENT SO AS NOT TO SHOW A TRANSITION.

4. WHERE A WALL IS SHOWN IN ALIGNMENT WITH MORE THAN ONE COLUMN OR CORE ELEMENT WHICH WARE NOT ALIGNED, LAYOUT PARTITIONS ALONG THE ENTIRE LENGTH ALIGNING WITH THE FURTHEST PROJECTION. FURR OUT OTHER SURFACES FOR ALIGNMENT.

5. PRIOR TO FINAL FINISHING, PATCH AND REPAIR PARTITIONS TO A SMOOTH CONDITION.

6. PATCH, REPAIR & LEVEL BASE BUILDING CONCRETE SLAB TO A SMOOTH CONDITION AND PREPARE TO RECEIVE NEW FINISH.

7. PARTITIONS ARE DIMENSIONED TO FACE OF FINISH, UNLESS OTHERWISE NOTED.

8. PARTITIONS DIMENSIONED TO CENTERLINE OF STUD ARE SO NOTED.

9. PARTITIONS AT BUILDING PERIMETER SHALL BE CENTERED ON CENTER LINE OF COLUMN OR WINDOW MULLION, UNLESS OTHERWISE NOTED.

10. LOCATE DOORS 6" FROM FACE OF INTERSECTING PARTITION TO EDGE OF DOOR WHEN DOOR IS CLOSED, UNLESS OTHERWISE NOTED.

11. PROVIDE ADDITIONAL STUDS AT PARTITIONS OR BRIDGING BETWEEN STUDS FOR SUPPORT OF JUNCTION BOXES TO MEET LOCATIONS SHOWN ON ARCHITECTURAL POWER AND COMMUNICATION PLANS AND ARCHITECTURAL ELEVATIONS.

12. UNDERCUT DOORS TO CLEAR TOP OF FLOOR FINISHED BY 1/4" MAXIMUM, UNLESS OTHERWISE NOTED.

13. PROVIDE METAL BACKING PLATED OR SOLID WOOD BLOCKING (FIRE TREATED) IN PARTITIONS FOR MILLWORK AND WALL ATTACHED ITEMS. COORDINATE PLACEMENT OF BLOCKING FOR MILLWORK PRIOR TO CLOSING WALLS.

14. LAYOUT PARTITION LOCATIONS FOR ARCHITECT TO REVIEW FOR DESIGN INTENT PRIOR TO PROCEEDING WITH CONSTRUCTION. DO NOT PROCEED WITH INSTALLATION OF STUDS WITHOUT THIS REVIEW APPROVAL.

15. FURR OUT OR SKIM SURFACES AS NECESSARY TO ACHIEVE ALIGNMENT WHERE WORK IS SHOWN TO ALIGN WITH MORE THAN ONE SURFACE.

16. LOCATE PARTITIONS PERPENDICULAR TO BUILDING PERIMETER CENTERED ON CENTER LINE OF COLUMN OR WINDOW MULLION, UNLESS OTHERWISE NOTED.

17. VERIFY DIMENSIONS SHOWN AS VIF IN THE FILED. NOTIFY ARCHITECT OF ANY DISCREPANCY IN DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK IN THAT AREA

18. INSTALL NEW GYPSUM BOARD CONSTRUCTION ADJOINING EXISTING CONSTRUCTION IN THE SAME PLANE FULSH WITH NO VISIBLE JOINTS UNLESS OTHERWISE NOTED

19. COORDINATE DEPTH AND SIZES OF RECESSES WITH SPECIFIED EQUIPMENT.

20. EXPOSED GYPSUM BOARD EDGES SHALL HAVE METAL TRIM. PROVIDE CORNER BEADS ALONG FULL LENGTH OF OUTSIDE CORNERS AND J BEADS OR FAST MASK ALONG ENDS OF GYPSUM BOARD. TAPE, SPACKLE AND SAND JOINTS, PROVIDE PARTITIONS WITH A SMOOTH FINISH CONDITION READY FOR PAINT AND FINISH MATERIAL APPLICATION, UNLESS OTHERWISE NOTED.

21. EXPOSED WOOD SHALL BE FINISH GRADE HARDWOOD- FILLED, SANDED, PRIMED AND READY FOR SCHEDULED FINISH.

22. FOR BUILT-IN WORK SURROUNDED BY PARTITION, INCLUDING BUT NOT LIMITED TO APPLIANCES AND FILES, CONFIRM THAT FLOOR SLAB DOES NOT VARY BY MORE THAN 1/4" IN 20'-0" NON-CUMULATIVE. NOTIFY ARCHITECT IF THIS TOLERANCE IS EXCEEDED.

23. SEAL PENETRATIONS IN GYPSUM BOARD CONSTRUCTION ABOVE FINISHED CEILING TO PREVENT SOUND LEAKAGE AT ACOUSTICAL PARTITIONS AND AT DEMISING PARTITIONS, UNLESS OTHERWISE NOTED.

24. DOOR OPENINGS ARE GENERALLY DIMENSIONED TO CENTERLINE OF OPENING. DOOR OPENINGS THAT ARE NOT DIMENSIONALLY LOCATED ARE TO BE CENTERED BETWEEN WALLS OR POSITIONED WITH ONE JAMB AGAINST AN ADJACENT WALL OR COLUMN AS SHOWN ON THE PLANS AND/OR DETERMINED FOR THE DETAILS.

25. WHEN DIMENSIONED PARTITIONS APPEAR IN CONJUNCTIONS WITH DOOR OPENINGS, THE DOOR WIDTH AND DOOR FRAME DETAILS DETERMINE THE LOCATIONS OF ADJACENT WALLS AND FRAMES.

26. FRAME OPENINGS FOR DUCTWORK IN PARTITIONS AND BRACE STUDS AS REQUIRE FOR RIGID CONSTRUCTION. PROVIDE TRANSFER DUCTS IN SLAB TO SLAB PARTITION AS REQUIRED BY MECHANICAL SYSTEMS. NOTIFY ARCHITECT IF TRANSFER DUCT IS IN CONFLICT WITH AN ARCHITECTURAL CONDITION.

27. INSTALL TEMPERED GLASS WITH NO EXPOSED TONG MARKS OR MANUFACTURER'S LABELS. GLASS SHALL HAVE CHAMFERED AND POLISHED EDGES. CUT PRIOR TO TEMPERING TO MAINTAIN TOLERACE/JOINTS PLUS OR MINUS 1/16". PROVIDE REQUIRED ACCESSORIES INCLUDING BUT NOT LIMITED TO GLAZING, TAPE, NEOPREME SETTING BLOCKS, NEOPRENE SPACER SHIMS AND SEALANT.

28. INSTALL GLASS USING FGMA STANDARDS FOR TYPE OF SYSTEM. REMOVE NON-PERMANENT LABELS.

ADDITONAL GREEN NOTES:
1 - AFTER FUNCTIONAL PERFORMANCE TESTS ARE CONCLUDED, FORM GRN 24 SHALL BE COMPLETED AND READILY AVAILABLE TO THE FIELD INSPECTOR PRIOR TO FINAL APPROVAL.(5.410.2.4)

2 - ALL OPERATIONAL ASPECTS OF THE BUILDING SHALL BE DOCUMENTED WITHIN A SYSTEMS MANUAL. THIS SYSTEMS MANUAL SHALL BE DELIVERED TO THE OWNER OR REPRESENTATIVE. (5.410.2.5.1)

3 - THE TRAINING OF THE APPROPRIATE MAINTENANCE STAFF FOR EACH EQUIPMENT TYPE AND/OR SYSTEM SHALL BE DOCUMENTED IN THE COMMISSIONING REPORT. (5.410.2.5.2)

4 - FORM GRN 25 SHALL BE COMPLETED AND READILY AVAILABLE TO THE FIELD INSPECTOR PRIOR TO FINAL APPROVAL.

5 - A COMPLETE COMMISSIONING REPORT AND FORM GRN 26 (COMPLETED) SHALL BE PROVIDED TO THE OWNER OR REPRESENTATIVE AND WILL BE READILY AVAILABLE TO THE FIELD INSPECTOR PRIOR TO THE FINAL APPROVAL. (5.410.2.6, 5.410.4.4)

6 - MECHANICALLY VENTILATED BUILDINGS SHALL PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH A MERV 13 FILTER FOR OUTSIDE AND RETURN AIR. FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL. (5.504.5.3)

D. REFLECTED CEILING PLAN GENERAL NOTES

1. REFER TO MOUNTING DIAGRAMS FOR LOCATION OF SWITCHES, DIMMERS, THERMOSTATS AND OUTLETS. GANG ITEMS UNDER SINGLE PLATE.
2. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF EXIT LIGHTS.
3. FOR DIFFUSERS, LIGHT FIXTURE TYPES SWITCHING AND OTHER ITEMS IN THE CEILING, RE: MECHANICAL AND ELECTRICAL DRAWINGS.
4. VERIFY WITH ARCHITECT LOCATION OF VISIBLE CEILING ELEMENTS NOT SHOWN ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
5. VERIFY CLEARANCE OF CEILING ELEMENTS FOR LOCATIONS SHOWN PRIOR TO INSTALLATION.
6. INSTALL CEILING TILE HOLD DOWN CLIPS ALONG PARTITIONS AND FOR CEILING TILES LESS THAN FULL SIZE.
7. COORDINATE LENGTHS OF UNDER CABINET LIGHTS WITH MILLWORK.
8. CENTER FIXTURES, SPRINKLERS AND OTHER ELEMENTS ON CEILING TILE, UNLESS OTHERWISE NOTED.
9. TYPICAL COPPERPLATE AND DEVICE FINISH, WHITE, UNLESS OTHERWISE NOTED.
10. CEILING GRIP MAINS OCCUR AT 4'-0" O.C. DO NOT CUT MAINS.
11. LOCATE SPRINKLER HEADS, EXIT SIGNS, CEILING STROBES, LIGHT FIXTURES, AUDIO-VISUAL DEVICES

E. POWER AND COMMUNICATIONS GENERAL NOTES

1. INDICATED DIMENSIONS ARE TO THE CENTER LINE OF OUTLET OR CLUSTER OF OUTLETS, UNLESS OTHERWISE NOTED.
2. COVER PLATES SHALL BE ONE PIECE TYPE, UNLESS OTHERWISE NOTED.
3. STANDARD WALL OUTLETS SHALL BE MOUNTED VERTICALLY TO CENTER LINE, 18" ABOVE FINISH FLOOR, UNLESS OTHERWISE NOTED.
4. GANG LIGHT SWITCHES SHOWN ADJACENT TO EACH OTHER UNDER A SINGLE COVERPLATE
5. ARCHITECTURAL POWER AND COMMUNICATION PLANS SHOW DESIGN INTENT FOR LOCATION OF DEVICES. RE: ELECTRICAL DOCUMENTS FOR CIRCUITING, TYPE AND ADDITIONAL INFORMATION.
6. COORDINATE POWER, COMMUNICATIONS, CONTROLS, AUDIO-VISUAL, SECURITY AND OTHER DEVICES WITH MILLWORK AND UPHOLSTERED WALL SYSTEMS. PROVIDE EXTENDED BOXES TO MEET FINISHED SURFACES. CENTER POWER, COMMUNICATIONS, AUDIOVISUAL, OR OTHER DEVICES IN MILLWORK, UPHOLSTERED, GYPSUM BOARD OR OTHER WALL PANELS AS INDICATED ON ELEVATIONS.
7. LOCATE OUTLETS EXACTLY AS DIMENSIONED. PROVIDE SOUND ATTENUATION INSULATION AND SOUND SEALS BEHIND AND BETWEEN O OUTLETS ON OPPOSITE SIDES OF WALLS - REFER TO ACOUSTIC DETAIL ON ELECTRICAL DRAWINGS FOR FURTHER INFORMATION.
8. GANG MULTIPLE SWITCHES, DIMMERS, AND OUTLETS IN A MULTI-GANG BOX UNDER A SINGLE COVERPLATE WHERE POSSIBLE.
9. REFER TO INTERIOR ELEVATIONS AND ARCHITECTURAL AND ELECTRICAL FLOOR PLANS FOR INFORMATION PERTAINING TO LOCATION CRITERIA FOR SWITCHES, OUTLETS, THERMOSTATS, WALL PHONES, FIRE ALARM DEVICES, AND SECURITY DEVICES.
10. ALL FURNITURE AND EQUIPMENT SHOWN IN FF&E MATRIX WILL BE PROVIDED BY OWNER AND SHOULD BE CONSIDERED NIC UNLESS OTHERWISE NOTED.
11. MARK FLOOR OUTLET LOCATIONS ON FLOOR SLAB AND REQUEST ARCHITECT, BUILDING AND STRUCTURAL ENGINEER TO REVIEW LOCATIONS FOR GENERAL COMPLIANCE WITH CONTRACT DOCUMENTS BEFORE PROCEEDING. X-RAY SLAB PRIOR TO DRILLING.
12. PATCH CORE DRILL PENETRATIONS WITH FIRE-RATED, NO-SHRINK GROUT. FLOOR BOX AND POKE THRU OPENINGS ARE TO BE FIRE-RATED TO MATCH FLOOR.
13. OUTLET COVER PLATES MOUNTED INSIDE MILLWORK SHALL BE MOUNTED ON THE INSIDE FACE OF CABINET.
14. TELEPHONE, TELE-DATA & OTHER JUNCTION BOXES OR WIRE-WAYS WHERE CABLING IS BY OTHERS, SHALL BE INSTALLED WITH A PULL STRING & TING FROM THE TERMINATION TO THE NEAREST ACCESSIBLE PLENUM ABOVE, UNLESS OTHERWISE NOTED.
15. TYPICAL COVER-PLATE AND DEVICE FINISH: WHITE, UNLESS OTHERWISE NOTED.
16. WHERE COVER-PLATES AND DEVICES ARE IN A ROOM WITH COVER-PLATES AND DEVICES TO REMAIN, MATCH EXITING COVER PLATES AND DEVICES.
17. MOUNT ABOVE COUNTER OUTLETS HORIZONTALLY, UNLESS OTHERWISE NOTED.
18. PROVIDE 1" MINIMUM BETWEEN COVER-PLATES ON OUTLETS SHOWN NEXT TO EACH OTHER.
19. COORDINATE SECURITY DEVICE POWER REQUIREMENTS WITH SECURITY CONTRACTOR AND HARDWARE.
20. ISOLATE OUTLETS IN SEPARATE STUD CAVITIES WHENEVER POSSIBLE AND SEAL OUTLETS WITH KINETICS ISOBACKER OR SIMILAR IN ALL ACOUSTICALLY SENSITIVE ROOMS.

F. FINISH GENERAL NOTES

1. REVIEW FIELD CONDITIONS AND NOTIFY ARCHITECT, VERBALLY AND IN WRITING, OF ALL DISCREPANCIES BEFORE PROCEEDING.
2. INSTALL ALL MANUFACTURED ITEMS, MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS, EXCEPT THAT THE SPECIFICATIONS HEREIN, WHERE MORE STRINGENT SHALL BE COMPLIED WITH.
3. ALL FINISHES SHALL BE TYPE 1/ CLASS "A". REFER TO FINISH SCHEDULE FOR SPECIFICATION.
4. REFER TO ELEVATIONS, REFLECTED CEILING PLANS AND DETAILS FOR ADDITIONAL INFORMATION REGARDING FINISHES.
5. PREPARE SURFACES PER FINISH MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS PRIOR TO APPLICATION OF FINISH. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE AND FREE OF IRREGULARITIES.
6. PREPARE EXISTING SLAB TO RECEIVE NEW FINISHES, INCLUDING GLASS PATCHING REQUIRED TO LEVEL AND SMOOTH FLOOR TO 1/4" IN 20'-0" NON-CUMULATIVE. CONCRETE FLOORS SHALL BE FREE FROM SCALING AND IRREGULARITIES AND SHALL EXHIBIT NEUTRALITY RELATIVE TO ACIDITY AND ALKALINITY. REMOVE GREASE, DIRT AND OTHER MATERIALS WHICH WILL IMPAIR THE PERFORMANCE AND/OR ADHERENCE OF THE SPECIFIED FLOORING.
7. LOCATE FLOOR FINISH TRANSITIONS AT CENTERLINE OF DOOR, UNLESS OTHERWISE NOTED.
8. PAINT REVEALS AND FILLER STRIPS TO MATCH ADJACENT PARTITION FINISH, UNLESS OTHERWISE NOTED.
9. WHERE EXISTING PARTITIONS ARE AFFECTED BY NEW WORK, REFINISH GYPSUM WALLBOARD TO MATCH ADJACENT NON-AFFECTED WORK. EXTEND REFINISHING FROM CORNER OF WALL TO CORNER OF WALL FULL HEIGHT. PROVIDE NEW BASE AND WALL FINISHES TO MATCH. COORDINATE WITH BUILDING MANAGER FOR ATTIC STOCK. WHERE FLOOR FINISHES ARE AFFECTED, PROVIDE NEW FLOORING TO MATCH EXISTING FLOORING TO REMAIN. PATCHING SHALL NOT BE EVIDENT WHEN REVIEWED FROM A STANDING POSITION.
10. PROVIDE STRAIGHT BASE AT CARPET AND COVE R BASE AT RESILIENT FLOORING, UNLESS OTHERWISE NOTED.
11. PAINT BACK SIDES OF REMOVABLE ACCESS PANELS OR HINGED COVER TO MATCH EXPOSED SURFACE.
12. USE PRIMER COMPATIBLE WITH SUBSTRATE TO BE PAINTED AND APPLY FINAL FINISH COAT AS RECOMMENDED BY MANUFACTURER TO MATCH ARCHITECT SPECIFIED FINISH. TINT PRIME COAT TOWARD FINAL COLOR.
13. ROLL APPLY PAINT TO GYPSUM BOARD. SPRAY APPLICATION IS NOT ACCEPTABLE.
14. SPRAY -APPLY PAINT TO METAL SURFACES UNLESS OTHERWISE NOTED OR APPROVED BY ARCHITECT.
15. PAINT AND FINISH EXPOSED SURFACES UNLESS OTHERWISE NOTED. PAINT SURFACES BEHIND REMOVABLE EQUIPMENT/FURNITURE. PAINT BEHIND NON-REMOVABLE ITEMS WITH PRIME COAT ONLY.

G. FIRE PROTECTION

1. APPROVED AUTOMATIC SPRINKLER SYSTEMS IN NEW BUILDINGS AND STRUCTURES SHALL BE PROVIDED IN THE LOCATIONS DESCRIBED IN SECTIONS 903.2.1 THROUGH 903.2.12 (903.2).
2. BUILDING WITH FLOOR AREAS OVER 1500 SF SHALL BE SPRINKLERED WHERE 20 SQ. FT. OF OPENING FOR EVERY 50 FT OF WALL LENGTH IS NOT PROVIDED (903.2.11.1(2))
3. THIS BUILDING MUST BE EQUIPPED WITH AN AUTOMATIC FIRE EXTINGUISHING SYSTEM, COMPLYING WITH (NFPA-13/ NFPA-13R); THE SPRINKLER SYSTEM SHALL BE APPROVED BY PLUMBING DIV. PRIOR TO INSTALLATION (903.2)
4. AN APPROVED FIRE ALARM SYSTEM INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THIS CODE AND NFPA 72 SHALL BE PROVIDED IN NEW BUILDINGS AND STRUCTURES IN ACCORDANCE WITH SECTIONS 907.2.1 THROUGH 907.2.23 AND PROVIDE OCCUPANT NOTIFICATION IN ACCORDANCE WITH SECTION 907.5.
5. SHOW LOCATIONS OF HARD-WIRED SMOKE DETECTORS WITH A BATTERY BACK UP IN EACH SLEEPING ROOM AND AT A POINT CENTRALLY LOCATED IN THE CORRIDOR OR AREA GIVING ACCESS TO EACH SLEEPING AREA (907.2.11.2)
6. SMOKE AND HEAT VENTS, OR MECHANICAL SMOKE EXHAUST SYSTEMS, AND DRAFT CURTAINS SHALL BE PROVIDED EXCEPT WHERE AREAS OF BUILDING ARE EQUIPPED WITH EARLY SUPPRESSION FAST RESPONSE SPRINKLERS. SHOW LOCATIONS ON PLANS (910.2)

H. EGRESS

1. EXTERIOR EXIT STAIRS, BALCONIES AND RAMPS SHALL BE LOCATED AT LEAST 10 FT FROM ADJACENT LOT LINES AND FROM OTHER BUILDINGS ON THE SAME LOT (1027.5).
2. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED (AS PER 1013.3).
3. EXIT SIGNS ILLUMINATED BY AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT CANDLES (54 LUX) (AS PER 1013.6.2).
4. INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SECTION 2702.
5. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES (AS PER 1008 AND 1013.6.3)
6. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDE AN ILLUMINATION OF NOT LESS THAN 90 MIN. IN CASE OF PRIMARY POWER LOSS AS PER 1013.6.3.
7. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT SEE 1010.1.9.3 FOR EXCEPTIONS.
8. DOOR HANDLES, LOCK AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A IN 34" AND A MAX 48" ABOVE THE FINISHED FLOOR.
9. THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED.
10. ALL EGRESS DOOR OPERATION SHALL ALSO COMPLY WITH SECTION 1010.1.9-1010.1.9.12.
11. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL E ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
12. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE.

H. EGRESS

1. EXTERIOR EXIT STAIRS, BALCONIES AND RAMPS SHALL BE LOCATED AT LEAST 10 FT FROM ADJACENT LOT LINES AND FROM OTHER BUILDINGS ON THE SAME LOT (1027.5).
2. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED (AS PER 1013.3).
3. EXIT SIGNS ILLUMINATED BY AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT CANDLES (54 LUX) (AS PER 1013.6.2).
4. INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND SECTION 2702.
5. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES (AS PER 1008 AND 1013.6.3)
6. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDE AN ILLUMINATION OF NOT LESS THAN 90 MIN. IN CASE OF PRIMARY POWER LOSS AS PER 1013.6.3.
7. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT SEE 1010.1.9.3 FOR EXCEPTIONS.
8. DOOR HANDLES, LOCK AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A IN 34" AND A MAX 48" ABOVE THE FINISHED FLOOR.
9. THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED.
10. ALL EGRESS DOOR OPERATION SHALL ALSO COMPLY WITH SECTION 1010.1.9-1010.1.9.12.
11. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL E ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.
12. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE.

I. INTERIOR ENVIRONMENT

1. TOILET ROOM FLOORS SHALL HAVE A SMOOTH, HARD, NONABSORBENT SURFACE SUCH AS PORTLAND CEMENT, CERAMIC TILE OR OTHER APPROVED MATERIAL THAT EXTENDS UPWARD ONTO THE WALLS AT LEAST 4" (1210.2.1).
2. EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION 1205.2 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10 FOOT-CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL (1205.1 AND 1205.3).
3. EVERY SPACE INTENDED FOR HUMAN OCCUPANCY SHALL BE PROVIDED WITH NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION 1204.1 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT THAT IS ADEQUATE TO PROVIDE AN AVERAGE ILLUMINATION OF 10 FOOT-CANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30 INCHES ABOVE THE FLOOR LEVEL. (1204.1 AND 1204.3)

J. BUILDING ENVELOPE

1. A FIRE RETARDANT ROOF COVERING IS REQUIRED. CLASS A ROOF COVERING IS REQUIRED FOR ALL BUILDINGS LOCATED IN A VERY HIGH FIRE HAZARD SEVERITY ZONE. AS PER 1505.1, 7207.4.
2. ROOF SLOPES, DRAINS, OVERFLOW DRAIN(S) AND ROOF SCUPPERS SHOWN ON ROOF PLAN:
   A. SIZE OF ROOF DRAINS AND OVERFLOW DRAINS ACCORDING TO CHAPTER 11 OF LAPC. AS PER 1503.4
   B. ROOF DRAIN AND OVERFLOW DRAIN MUST BE INDEPENDENT LINES TO A YARD BOX
   C. ROOF DRAINAGE IS NOT PERMITTED TO FLOW OVER PUBLIC PROPERTY
   D. OVERFLOW SCUPPERS SHALL BE DESIGNED IN ACCORDANCE TO 1101.11.2.1 OF LAPC
   E. ROOF DRAIN ELEVATION TO PROVIDE A MINIMUM 1/4IN PER FOOT ROOF SLOPE FOR DRAINAGE OR DESIGN TO SUPPORT ACCUMULATED WATER
   F. SITE DRAINAGE: SHOWN ON PLANS HOW CONCENTRATED DRAINAGE IS BEING CONVEYED TO THE STREET VIA NON-EROSIVE DEVICES AS PER 7013.10
3. PROVIDE VENEER DETAILS. SHOW METHOD OF ANCHORAGE, SIZE AND SPACING OF ANCHORS. COMPLY WITH REQUIREMENTS PER SECTION 1405.6.
4. EACH PANE OF SAFETY GLAZING INSTALLED IN HAZARDOUS LOCATIONS SHALL BE IDENTIFIED BY A MANUFACTURER'S DESIGNATION SPECIFYING WHO APPLIED THE DESIGNATION, THE MANUFACTURER OR INSTALLER AND THE SAFETY GLAZING STANDARD. THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF SAFETY GLAZING. GLAZING IN SECTION 2406:
   A. SWING DOORS
   B. FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES AND PANELS IN SLIDING AND BI-FOLD CLOSET DOOR ASSEMBLIES
   C. STORM DOORS
   D. UNFRAMED SWINGING DOORS
   E. DOORS AND ENCLOSURES FOR HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, AND SHOWERS
   F. FIXED OR OPERABLE PANELS ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN 24 INCHES (610 CM) ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES (1525 MM) ABOVE THE WALKING SURFACE. READ CODE FOR EXCEPTIONS
   G. FIXED OR OPERABLE PANEL, OTHER THAN DESCRIBED IN ITEMS E AND F, WHICH MEETS ALL OF THE FOLLOWING CONDITIONS (READ CODE FOR EXCEPTION WITH SPECIAL INSTALLATION).
      I.EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQUARE FEET (0.84 M2/)
      II.EXPOSED BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
      III.EXPOSED TOP EDGE GREATER THAN 26 INCHES (914 MM) ABOVE THE FLOOR
   H.ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING
   I.GUARDS AND RAILINGS REGARDLESS OF AREA OR HEIGHT ABOVE A WALKING SURFACE. INCLUDED ARE STRUCTURAL BALUSTER PANELS AND NONSTRUCTURAL IN-FILL PANELS.
   J.WALLS AND FENCES ENCLOSING INDOOR AND OUTDOOR SWIMMING POOLS AND SPAS WHERE ALL OF THE FOLLOWING CONDITIONS ARE PRESENT:
      I.THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES (1525 MM) ABOVE A WALKING SURFACE ON THE POOL OR SPA SIDE OF THE GLAZING.
      II.THE GLAZING IS WITHIN 60 INCHES (1525 MM) OF A SWIMMING POOL OR SPA WATER'S EDGE
   K.ADJACENT TO STAIRWAYS, LANDINGS AND RAMPS WITHIN 36 INCHES HORIZONTALLY OF A WALKING SURFACE; WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES ABOVE THE LANE OF THE ADJACENT WALKING SURFACE (READ CODE FOR EXCEPTION WITH SPECIAL INSTRUCTION)
   L.ADJACENT TO THE STAIRWAYS WITHIN 60 INCHES HORIZONTALLY AT THE BOTTOM TREAD OF A STAIRWAY IN ANY DIRECTION WHEN THE EXPOSED SURFACE OF THE GLASS IS LESS THAN 60 INCHES ABOVE THE NOSE OF THE TREAD (READ CODE FOR EXCEPTION WITH SPECIAL DIRECTION)
5. MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE REM SES' ELECTRICAL SUPPLY IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:
   A. AISLES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS
   B. CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS;
   C. EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
   D. INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1028.1, IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS
   E. EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1010.1.6, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
6. THE EMERGENCY POWER SYSTEM SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 2702.
7. EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS AT LEAST AN AVERAGE OF 1 FOOT-CANDLE (11 LUX) AND A MINIMUM AT AY POINT OF 0.1 FOOT-CANDLE (1 LUX) MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL. ILLUMINATION LEVELS SHALL BE PERMITTED TO DECLINE TO 0.6 FOOT-CANDLE (6 LUX) AVERAGE AND A MINIMUM AT ANY POINT OF 0.06 FOOT-CANDLE (0.6 LUX) AT THE END OF THE EMERGENCY LIGHTING TIME DURATION. A MAXIMUM-T0-MINIMUM ILLUMINATION UNIFORMITY RATIO OF 40 TO 1 SHALL NOT BE EXCEEDED.

ELEVATORS

1. A HANDRAIL SHALL BE PROVIDED ON ONE WALL OF THE CAR, PREFERABLY THE REAR. THE RAILS SHALL BE SMOOTH AND THE INSIDE SURFACE AT LEAST 1-1/2" CLEAR OF THE WALLS AT A NOMINAL HEIGHT BETWEEN 31" AND 33" ABOVE THE FLOOR. 32" IS REQUIRED TO REDUCE INTERFERENCE WITH CAR CONTROLS WHERE THE LOWEST BUTTON IS CENTERED AT 35" ABOVE FLOOR. (1116B.1.11, FIG 11A-7B & FIG 11B-40B)
2. THE CENTERLINE OF ELEVATOR FLOOR BUTTONS SHALL BE NO HIGHER THAN 54" ABOVE THE FINISH FLOOR FOR SIDE APPROACH AND 48" FOR FRONT APPROACH. WHERE POSSIBLE A 48" MAXIMUM HEIGHT FOR ELEVATOR FLOOR BUTTONS IS PREFERRED. (1124A.3.3.1, 1116B.1.8, FIG. 11A-7B & FIG 11B-40B).
3. FLOOR BUTTONS SHALL BE PROVIDED WITH VISUAL INDICATIONS TO SHOW WHEN EACH CALL IS REGISTERED.
4. THE VISUAL INDICATORS SHALL BE EXTINGUISHED WHEN EACH CALL IS ANSWERED. (1124A.3.3.1, 1116B.1.8, FIG 11A-7B & FIG 11B-40B).
5. EXCEPT FOR PHOTO ELECTRIC TUBE BY-PASS SWITCHES, EMERGENCY CONTROLS, INCLUDING THE EMERGENCY STOP AND ALARM, SHALL BE GROUPED IN OR ADJACENT TO THE BOTTOM OF THE PANEL AND SHALL BE NO LOWER THAN 2'-11" FROM THE FLOOR. FOR MULTIPLE CONTROLS ONLY, ONE SET MUST COMPLY WITH THESE HEIGHT REQUIREMENTS. (1124A.3.3.1, 1116B.1.8, FIG 11A7B & FIG 11B-40B)
6. THE CENTERLINE OF THE HALL CALL BUTTONS SHALL BE 3'-6" ABOVE THE FLOOR. THE BUTTONS SHALL BE A MINIMUM OF 3/4" IN SIZE AND SHALL BE RAISED 1/8" + 1/32" ABOVE THE SURROUNDING SURFACE. VISUAL INDICATION SHALL BE PROVIDED TO SHOW EACH CALL REGISTERED AND EXTINGUISHED WHEN ANSWERED. OBJECTS ADJACENT TO AND BELOW HALL CALL BUTTONS SHALL NOT PROJECT MORE THAN 4" FROM THE WALL. (1124A.4, 1116B.1.10, FIG 11A-7C & FIG 11B40C).
7. THE EMERGENCY TELEPHONE HANDSET SHALL BE POSITIONED NO HIGHER THAN 4'-0" ABOVE THE FLOOR, AND THE HANDSET CORD SHALL BE A MINIMUM OF 2'-5" IN LENGTH. (1124A.3.4, 1116B.1.8)

BUILDING CODE REQUIREMENTS NOTES

A. THE CONSTRUCTION SHALL NOT RESTRICT A FIVE- FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL-BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES-WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.

B. AN APPROVED SEISMIC GAS SHUTOFF VALVE WILL BE INSTALLED ON THE FUEL GAS LINE ON THE DOWNSTREAM SIDE OF THE UTILITY METER AND BE RIGIDLY CONNECTED TO THE EXTERIOR OF THE BUILDING OR STRUCTURE CONTAINING THE FUEL GAS PIPING. (INCLUDES COMMERCIAL ADDITIONS AND TI WORK OVER $10,000.) (SEPARATE PLUMBING PERMIT IS REQUIRED). ORDINANCE 170,158

C. PROVIDE ULTRA-LOW FLUSH WATER CLOSETS FOR ALL NEW CONSTRUCTION. EXISTING SHOWER HEADS AND TOILETS MUST BE ADAPTED FOR LOW WATER CONSUMPTION.

D. A COPY OF THE EVALUATION REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE

ADDITIONAL MEANS OF EGRESS NOTES

A. EXIT SIGNS SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED

B. EXIT SIGNS ILLUMINATED BY AN EXTERNAL SOURCE SHALL HAVE AN INTENSITY OF NOT LESS THAN 5 FOOT CANDLES (54 LUX).

C. INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER INSTRUCTIONS AND SECTION 2702. 1013.5

D. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES. 1013.3

E. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDE AN ILLUMINATION OF NOT LESS THAN 90 MIN. IN CASE OF PRIMARY POWER LOSS. 1013.6.3

F. EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. SEE 1010.1.9.3 FOR EXCEPTIONS.

G. DOOR HANDLES, LOCK AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MIN. 34" AND A MAX. 48" ABOVE THE FINISHED FLOOR

H. THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED.

I. ALL EGRESS DOOR OPERATION SHALL ALSO COMPLY WITH SECTION 1010.1.9 & 1010.1.9.12

J. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED.

K. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE

L. THE POWER SUPPLY FOR MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE PREMISES ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE FOLLOWING AREAS:
   I. AISLES AND UNENCLOSED EGRESS STAIRWAYS IN ROOMS AND SPACES THAT REQUIRE TWO OR MORE MEANS OF EGRESS
   II. CORRIDORS, EXIT ENCLOSURES AND EXIT PASSAGEWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS;
   III. EXTERIOR EGRESS COMPONENTS AT OTHER THAN THE LEVEL OF EXIT DISCHARGE UNTIL EXIT DISCHARGE IS ACCOMPLISHED FOR BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
   IV. INTERIOR EXIT DISCHARGE ELEMENTS, AS PERMITTED IN SECTION 1028.1, IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.
   V. EXTERIOR LANDINGS, AS REQUIRED BY SECTION 1010.1.6, FOR EXIT DISCHARGE DOORWAYS IN BUILDINGS REQUIRED TO HAVE TWO OR MORE EXITS.

ADDITIONAL LOS ANGELES FIRE CODE NOTES

INTERIOR FINISHES

A. INTERIOR WALL AND CEILING FINISH SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN SPECIFIED IN T803.11. SPECIFY INTERIOR WALL AND CEILING FINISH ON PLANS. {LAFC 803.3}

B. MATERIAL, OTHER THAN FOAM PLASTICS, USED AS INTERIOR TRIM SHALL HAVE A MIN. CLASS C FLAME SPREAD AND SMOKE-DEVELOPED INDEX AND SHALL NOT EXCEED 10% OF THE WALL OR CEILING AREA IN WHICH IS ATTACHED. {LAFC 804.1}

C. CURTAINS, DRAPERIES, FABRIC HANGINGS, AND SIMILAR COMBUSTIBLE DECORATIVE MATERIALS SUSPENDED FROM WALLS OR CEILINGS SHALL NOT EXCEED 10% OF THE WALL OR CEILING AREA TO WHICH IT IS ATTACHED. {LAFC 807.3}

D. IN EVERY GROUP A, E, I, R-1, R-2 AND R-2.1, ALL DRAPES, HANGINGS, CURTAINS. DROPS AND ALL OTHER DECORATIVE MATERIAL SHALL BE MADE FROM A NONFLAMMABLE MATERIAL OR TREATED AND MAINTAINED IN A FLAME-RETARDANT CONDITION BY MEANS OF A FLAME-RETARDANT SOLUTION OR PROCESS APPROVED BY THE OSFM. {TITLE 19, DIV 1, 3.08}

GENERAL NOTES

A. AN AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED AT THE TOP OF RUBBISH AND LINEN CHUTES AND IN THEIR TERMINAL ROOMS. CHUTES SHALL HAVE ADDITIONAL SPRINKLER HEADS INSTALLED AT ALTERNATE FLOORS AND AT LOWEST INTAKE. {LAFC 903.2.11.2}

B. CARBON MONOXIDE ALARMS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL ACTIVATE ALL THE ALARMS IN THE INDIVIDUAL UNIT. REQUIRED CARBON MONOXIDE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING AND SHALL BE EQUIPPED WITH A BATTERY BACKUP. {CBC 915.4.2/4}

C. PROVIDE EMERGENCY RESPONDER RADIO COVERAGE IN ACCORDANCE WITH LAFC 510. {CBC916.1}

D. MEANS OF EGRESS SERVING A ROOM OR SPACE SHALL BE ILLUMINATED AT ALL TIMES THAT THE ROOM OR SPACE IS OCCUPIED. THE ILLUMINATION LEVEL SHALL NOT BE <1 FOOTCANDLE AT THE WALKING SURFACE. {CBC 1008.2}

E. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE ALL OF THE FOLLOWING AREAS FOR A DURATION OF NOT <90MIN. EMERGENCY LIGHTING FACILITIES SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS NOT LESS THAT AN AVERAGE OF 1 FOOTCANDLE AND A MIN AT ANY POINT OF 1 FOOTCANDLE. {CBC 1008.3-5}

F. PROVIDE TWO-WAY COMMUNICATION AT THE LANDING SERVING EACH ELEVATOR OR BANK OF ELEVATORS ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE. {CBC 1009.8}

G. EXIT SIGN SHALL BE INTERNALLY OR EXTERNALLY ILLUMINATED {CBC 1013.3}

H. TACTILE EXIT SIGNS SHALL BE REQUIRED AT FOLLOWING LOCATIONS: {CBC 1013.4}
   I. *EXIT* SIGN AT EACH GRADE-LEVEL EXTERIOR DOOR.
   II. EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN WITH THE FOLLOWING WORDS AS APPROPRIATE: *EXIT STAIR DOWN, EXIT RAMP DOWN, EXIT STAIR UP AND EXIT RAMP UP.*
   III. *EXIT ROUTE* AT EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXTERIOR EXIT BY MEANS OF AN EXIT EN

FORM GRN 1

STORM WATER POLLUTION CONTROL
(2020 Los Angeles Green Building Code)

Storm Water Pollution Control Requirements for Construction Activities
Minimum Water Quality Protection Requirements for All Construction Projects

The following notes shall be incorporated in the approved set of construction/grading plans and represents the minimum standards of good housekeeping which must be implemented on all construction projects.

Construction means constructing, clearing, grading or excavation that result in soil disturbance. Construction includes structure teardown (demolition). It does not include routine maintenance to maintain original line and grade, hydraulic capacity, or original purpose of facility; emergency construction activities required to immediately protect public health and safety; interior remodeling with no outside exposure of construction material or construction waste to storm water; mechanical permit work; or sign permit work. (Order No. 01-182, NPDES Permit No. CAS004001 – Part 5: Definitions)

1. Eroded sediments and pollutants shall be retained on site and shall not be transported from the site via sheet flow, swales, area drains, natural drainage or wind.
2. Stockpiles of earth and other construction-related materials shall be covered and/or protected from being transported from the site by wind or water.
3. Fuels, oils, solvents and other toxic materials must be stored in accordance with their listing and shall not contaminate the soil nor the surface waters. All approved toxic storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of properly and shall not be washed into the drainage system.
4. Non-storm water runoff from equipment and vehicle washing and any other activity shall be contained on the project site.
5. Excess or waste concrete may not be washed into the public way or any drainage system. Provisions shall be made to retain concrete waste on-site until it can be appropriately disposed of or recycled.
6. Trash and construction –related solid wastes must be deposited into a covered receptacle to prevent contamination of storm water and dispersal by wind.
7. Sediments and other materials shall not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the street/public ways. Accidental depositions must be swept up immediately and may not be washed down by rain or by any other means.
8. Retention basins of sufficient size shall be provided to retain storm water runoff on-site and shall be properly located to collect all tributary site runoff.
9. Where retention of storm water runoff on-site is not feasible due to site constraints, runoff may be recovered to the street and the storm drain system provided that an approved filtering system is installed and maintained on-site during the construction duration.

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities.

FORM GRN 5

2020 Los Angeles Green Building Code
MANDATORY REQUIREMENTS CHECKLIST
NEWLY CONSTRUCTED NON-RESIDENTIAL BUILDINGS
(COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS)

Permit # ____ - ____ - ____ Date: ____

ITEM #	CODE SECTION	REQUIREMENT	REFERENCE SHEET (Sheet # or N/A)	COMMENTS (e.g. note #, detail # or reason for N/A)
		PLANNING AND DESIGN		
1	5.106.1	**Storm water pollution prevention**	G004/GRN 1	
2	5.106.4.1.1	**Short-term bicycle parking**	A111, L201	< 10 SPACES ADDED
3	5.106.4.1.2	**Long-term bicycle parking**	A111, L201	< 10 SPACES ADDED
4	5.106.5.2	**Designated parking**	N/A	NO PARKING REQUIRED
5	5.106.5.3	**Electric vehicle charging**	N/A	NO PARKING REQUIRED
6	5.106.8	**Light pollution reduction**	G004/GRN 15	NOTE 1
7	5.106.10	**Grading and paving**	C 2.03	Grading Plans
8	5.106.11	**Hardscape alternatives**	L200 - L202	
		ENERGY EFFICIENCY		
9	5.211.1	**Solar ready buildings**	A201	
		WATER EFFICIENCY & CONSERVATION		
10	5.303.1.1	**New buildings in excess of 50,000 sq. ft.**	N/A	UNDER 50,000 SQ.FT
11	5.303.1.2	**Excess consumption**	G004/GRN 18	NOTE #2
12	5.303.2	**Water reduction**	G004/GRN 18	NOTE #2
13	5.303.3	**Water conserving plumbing fixtures and fittings**	G004/GRN 18	NOTE #2
14	5.303.3.3	**Showerheads**	G004/GRN 15	NOTE #4
15	5.304.1	**Outdoor water use in landscape areas**	G004/GRN 18	NOTE #3
16	5.304.3	**Irrigation controller and sensor application**	L700A/B/C	
17	5.304.4	**Outdoor water use meters**	G004/GRN 18	NOTE #5
18	5.304.5	**Exterior faucets**	G004/GRN 18	NOTE #6
19	5.305.1	**Graywater ready**	G004/GRN 18	NOTE #7
20	5.305.2	**Recycled water supply to fixtures**	G004/GRN 18	NOTE #8
21	5.305.3	**Cooling towers**	G004/GRN 18	NOTE #9
22	5.305.4	**Groundwater discharge**	G004/GRN 18	NOTE #10
		MATERIAL CONSERVATION & RESOURCE EFFICIENCY		
23	5.407.1	**Weather protection**	G004/GRN 15	NOTE #7
24	5.407.2.1	**Sprinklers**	G004/GRN 15	NOTE #8
25	5.407.2.2.1	**Nonabsorbent floor and wall finishes**	G004/GRN 15	NOTE #7
26		**Exterior door protection**	G004/GRN 15	NOTE #9
27	5.407.2.2.2	**Flashing**	G004/GRN 15	NOTE #11
28	5.408.1	**Construction waste reduction**	G004/GRN 15	NOTE #12
29	5.408.3	**Excavated soil and land clearing debris**	G004/GRN 15	NOTE #13

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FORM GRN 5

2020 Los Angeles Green Building Code

ITEM #	CODE SECTION	REQUIREMENT	REFERENCE SHEET (Sheet # or N/A)	COMMENTS (e.g. note #, detail # or reason for N/A)
30	5.410.1	**Recycling by occupants**	A220, A221	SEE NOTE #1117
31	5.410.2	**Commissioning (> 10,000 sq. ft.)**		
32	5.410.2.1	– **Owner's Project Requirements (OPR)**	G005/GRN 20	
33	5.410.2.2	– **Basis of Design (BOD)**	G005/GRN 21	
34	5.410.2.3	– **Commissioning plan**	G005/GRN 23	
35	5.410.2.4	– **Functional performance testing**	G005/GRN 23	
36	5.410.2.5.1	– **Systems manual**	G005/GRN 23	
37	5.410.2.5.2	– **Systems operations training**	G005/GRN 23	
38	5.410.2.6	– **Commissioning report**	G005/GRN 23	
39	5.410.4	**Testing and adjusting (< 10,000 sq. ft.)**	N/A	BUILDING IS MORE THAN 10,000 SQ.FT
40	5.410.4.2	– **Systems**	N/A	BUILDING IS MORE THAN 10,000 SQ.FT
41	5.410.4.3	– **Procedures**	N/A	BUILDING IS MORE THAN 10,000 SQ.FT
42	5.410.4.4	– **Reporting**	N/A	BUILDING IS MORE THAN 10,000 SQ.FT
43	5.410.4.5	– **Operation and maintenance manual**	N/A	BUILDING IS MORE THAN 10,000 SQ.FT
44	5.410.4.5.1	– **Inspections and reports**	N/A	BUILDING IS MORE THAN 10,000 SQ.FT
		ENVIRONMENTAL QUALITY		
45	5.503.1	**Fireplace and Woodstoves**	N/A	Not proposed
46	5.504.1.3	**Temporary ventilation**	G004/GRN 15	NOTE #17
47	5.504.3	**Covering of duct openings and protection of mechanical equipment during construction**	G004/GRN 15	NOTE #18
48	5.504.4	**Finish material pollutant control**	G004 GRN 15 GRN 11	NOTE #17
49	5.504.4.1	– **Adhesives, sealants, and caulks**		
50	5.504.4.3	– **Paints and coatings**		
51	5.504.4.3.1	– **Aerosol paints and coatings**		
52	5.504.4.3.2	– **Verification**	G004/GRN 15	NOTE #20
53	5.504.4.4	**Carpet systems**	G004/GRN 15	NOTE #21
54	5.504.4.4.1	**Carpet cushion**	G004/GRN 15	NOTE #22
55	5.504.4.5	**Composite wood products**	G004/GRN 15	NOTE #23 &24
56	5.504.4.6	**Resilient flooring systems**	G004/GRN 15	NOTE #25
57	5.504.5.3	**Filters**	G004/GRN 15	NOTE #26
58	5.504.7	**Environmental tobacco smoke (ETS) control**	G004/GRN 15	NOTE #27
59	5.505.1	**Indoor moisture control**	G004/GRN 15	NOTE #28
60	5.506.2	**Carbon dioxide (CO_2) monitoring**	G004/GRN 15	NOTE #29
61		**Exterior noise transmission prescriptive method**		See G006 for Acoustical report
62	5.507.4.1	– **Exterior noise transmission for roof**	A640	See G006 for Acoustical report
63		– **Exterior noise transmission for walls**	A640	See G006 for Acoustical report
64		– **Exterior noise transmission for windows**	A701/A702	See G006 for Acoustical report
65	5.507.4.2	**Exterior noise transmission performance method**	G006	See G006 for Acoustical report
66	5.507.4.3	**Interior sound transmission**	N/A	NO TENANT SPACES

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FORM GRN 5

2020 Los Angeles Green Building Code

ITEM #	CODE SECTION	REQUIREMENT	REFERENCE SHEET (Sheet # or N/A)	COMMENTS (e.g. note #, detail # or reason for N/A)
67	5.508.1	**Ozone depletion and greenhouse gas reductions**	G004/GRN 15	NOTE #30
68	5.508.2	**Supermarket refrigerant leak reduction**	G004/GRN 15	NOTE #31

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FORM GRN 11

VOC AND FORMALDEHYDE LIMITS
2020 Los Angeles Green Building Code
(Incorporate this form into the plans)

2020 Los Angeles Green Building Code Tables 4.504.1, 4.504.2, 4.504.3, 4.504.5, 5.504.4.1, 5.504.4.2, 5.504.4.3, 5.504.4.5

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS[2,3]
Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds

COATING CATEGORY[2,3]	CURRENT LIMIT
Flat coatings	50
Nonflat coatings	50
Nonflat-high gloss coatings	50
Specialty Coatings	
Aluminum roof coatings	100
Basement specialty coatings	400
Bituminous roof coatings	50
Bituminous roof primers	350
Bond breakers	350
Concrete curing compounds	100
Concrete curing compounds, Roadways & Bridges	350
Concrete/masonry sealers	100
Driveway sealers	50
Dry fog coatings	50
Faux finishing coatings	
Clear Top Coat	100
Decorative Coatings	350
Glazes	350
Japan	350
Trowel Applied Coatings	50
Fire resistive coatings	150
Floor coatings	50
Form-release compounds	100
Graphic arts coatings (sign paints)	200
High temperature coatings	420
Industrial maintenance coatings	100
Low solids coatings[1]	120
Magnesite cement coatings	450
Mastic texture coatings	100
Metallic pigmented coatings	150
Multicolor coatings	250
Pretreatment wash primers	420
Primers, sealers, and undercoaters	100
Reactive penetrating sealers	350
Recycled coatings	250
Roof coatings	50
Roof coatings, aluminum	100
Rust preventative coatings	100
Shellacs	
Clear	730
Opaque	550
Specialty primers, sealers and undercoaters	100
Stains	100
Stains, Interior	250
Stone consolidants	450
Swimming pool coatings	340
Traffic marking coatings	100
Tub and tile refinish coatings	420
Waterproofing membranes	100
Wood coatings	275
Wood preservatives	350
Zinc-rich primers	100

[1] Grams of VOC per liter of coating, including water and including exempt compounds.
[2] The specified limits remain in effect unless revised limits are listed in subsequent columns in the table.
[3] Some values in this table are derived from those specified by the California Air Resources Board, Architectural Coatings Suggested Control Measure, February 5, 2016. More information is available from the Air Resources Board.

FORMALDEHYDE LIMITS[1]
Maximum Formaldehyde Emissions in Parts per Million

PRODUCT	CURRENT LIMIT
Hardwood plywood veneer core	0.05
Hardwood plywood composite core	0.05
Particleboard	0.09
Medium density fiberboard	0.11
Thin medium density fiberboard[2]	0.13

[1] Values in this table are derived from those specified by the California Air Resources Board, Air Toxics Control Measure for Composite Wood as tested in accordance with ASTM E 1333. For additional information, see California Code of Regulations, Title 17, Sections 93120 through 93120.12.
[2] Thin medium density fiberboard has a maximum thickness of 5/16 inches (8 mm).

SEALANT VOC LIMIT
Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
Architectural	50
Marine deck	760
Nonmembrane roof	300
Roadway	250
Single-ply roof membrane	450
Other	420
SEALANT PRIMERS	
Architectural	
Nonporous	250
Porous	775
Modified bituminous 500	500
Marine deck	760
Other	750

Note: For additional information regarding methods to measure the VOC content specified in these tables, see South Coast Air Quality Management District Rule 1168.

ADHESIVE VOC LIMIT 1,2
Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
Indoor carpet adhesives	50
Carpet pad adhesives	50
Outdoor carpet adhesives	150
Wood flooring adhesive	100
Rubber floor adhesives	60
Subfloor adhesives	50
Ceramic tile adhesives	65
VCT and asphalt tile adhesives	50
Drywall and panel adhesives	50
Cove base adhesives	50
Multipurpose construction adhesives	70
Structural glazing adhesives	100
Single-ply roof membrane adhesives	250
Other adhesives not specifically listed	50
SPECIALTY APPLICATIONS	
PVC welding	510
CPVC welding	490
ABS welding	325
Plastic cement welding	100
Adhesive primer for plastic	550
Contact adhesive	80
Special purpose contact adhesive	250
Structural wood member adhesive	140
Top and trim adhesive	250
SUBSTRATE SPECIFIC APPLICATIONS	
Metal to metal	30
Plastic foams	50
Porous material (except wood)	50
Wood	30
Fiberglass	80

[1] For adhesives used to bond dissimilar substrates together, the adhesive with the highest VOC content shall be allowed.
[2] For additional information regarding methods to measure the VOC content specified in this table, see South Coast Air Quality Management District Rule 1168, http://www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF.

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FORM GRN 15

2020 Los Angeles Green Building Code

GREEN BUILDING CODE PLAN CHECK NOTES
NON-RESIDENTIAL BUILDINGS

1. State on plans that the outdoor lighting systems shall be designed and installed to comply with all of the following:
   a. The minimum requirements in California Energy Code for Lighting Zones 1-4
   b. Backlight, Uplight and Glare (BUG) ratings as defined in IESNA TM-15-11
   c. Allowable BUG ratings not exceeding those shown in on Table 5.106.8. (5.106.8)
2. Separate submeters shall be installed in any building or new space within a building that is projected to consume more than 1,000 gal/day. (5.303.1.2)
3. New plumbing fixtures and fittings shall not exceed the maximum allowable flow rate specified in Section 5.303.3. (5.303.3)
4. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 2.0 gallons per minute at 80psi, or the shower shall be designed to only allow one showerhead to be in operation at a time. (5.303.3.3)
5. For projects that include landscape work, the *Landscape Certification*, Form GRN 12, shall be completed prior to final inspection approval. (State Assembly Bill No. 1881)
6. Installed automatic irrigation system controllers are weather- or soil-based controllers. (WMELO, § 492.7)
7. Weather-resistant exterior wall and foundation envelope shall be detailed in conformance with Los Angeles Building Code Section 1403.2 and California Energy Code Section 150. (5.407.1)
8. Automatic landscape irrigators shall be installed such that it doesn't spray on the structure. (5.407.2.1)
9. New exterior entries and openings subject to foot traffic shall be protected against water intrusion using features such as overhangs, awnings and/or recesses for a combined depth over the entry of at least 4 feet. (5.407.2.2.1)
10. Nonabsorbent interior floor and wall finishes shall be used within at least two feet around and perpendicular to new exterior entries and/or opening subject to foot traffic. (5.407.2.2.1)
11. Exterior entries shall have flashing integrated with the drainage plane. (5.407.2.2.2)
12. Only a City of Los Angeles certified hauler will be used for hauling of construction waste. (5.408.1)
13. 100% of excavated soil and vegetation resulting from land clearing shall be reused or recycled. (5.408.3)
14. A final report for the testing and adjusting of all new systems shall be completed and provided to the field inspector prior to final approval. This report shall be signed by the individual responsible for performing these services. (5.410.4.4)
15. For all new equipment, an *Operation & Systems Manual* shall be provided to the owner and the field inspector at the time of final inspection. (5.410.4.5)
16. All new gas fireplaces must be direct-vent, sealed combustion type. Wood burning fireplaces are prohibited per AQMD Rule 445. (5.503.1, AQMD Rule 445)
17. If the new HVAC system is used during construction, use return air filters with a MERV of 8. Replace all filters immediately prior to occupancy. (5.504.1.3)
18. All new ducts and other new related air distribution components openings shall be covered with tape, plastic, or sheet metal until the final startup of the heating, cooling and ventilating equipment. (5.504.3)
19. Architectural paints and coatings, adhesives, caulks and sealants shall comply with the Volatile Organic Compound (VOC) limits listed in Tables 5.504.4.1-5.504.4.3. (5.504.4.1- 5.504.4.3)
20. The *VOC Content Verification Checklist*, Form GRN 2, shall be completed and verified prior to final inspection approval. The manufacturer's specifications showing VOC content for all applicable products shall be readily available at the job site and be provided to the field inspector for verification. (5.504.4.3.2)
21. All new carpet installed in the building interior meets the testing and product requirements of one of the following:
   a. Carpet and Rug Institute's Green Label Plus Program
   b. California Department of Public Health's Specification 01350
   c. NSF/ANSI 140 at the Gold level
   d. Scientific Certifications Systems Indoor Advantage™ Gold (5.504.4.4)
22. All new carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program. (5.504.4.4.1)
23. New hardwood plywood, particle board, and medium density fiberboard composite wood products used in the interior or exterior of the building shall meet the formaldehyde limits. (5.504.4.5, 10.504.4.5)
24. The *Formaldehyde Emissions Verification Checklist,* Form GRN 3, shall be completed prior to final inspection approval. The manufacturer's specifications showing formaldehyde content for all applicable wood products shall be readily available at the job site and be provided to the field inspector for verification. (5.504.4.5)
25. 80% of the total area receiving new resilient flooring shall comply with one or more of the following:
   a. VOC emission limits defined in the CHPS High Performance Products Database
   b. Certified under UL GREENGUARD Gold
   c. Certification under the Resilient Floor Covering Institute (RFCI) FloorScore program
   d. Meet the California Department of Public Health's Specification 01350 (5.504.4.6)
26. Mechanically ventilated buildings shall have air filter with a Minimum Efficiency Reporting Value (MERV) of 13 or higher. Filters shall be installed prior to occupancy and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. (5.504.5.3)
27. Designated outdoor smoking area shall be at least 25 feet from an outdoor air intake or operable windows. (5.504.7)
28. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2 Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 (5.505.1)
29. Buildings that use Demand Control Ventilation shall have CO_2 sensors and ventilation controls installed in accordance with the requirements of the current edition of the California Energy Code, CCR, Title 24, Part 6, Section 121(c). (5.506.2)
30. The HVAC, refrigeration, and fire suppression equipment shall not contain CFC or Halons. (5.508.1)
31. Retail food stores of 8,000 sq. ft. or more of conditioned area that have a commercial refrigeration system with a global warming potential (GWP) of 150 or greater shall have leak reduction measures in accordance with LAGBC Section 5.508.2. Separate mechanical plan check is required. (5.508.2)

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BUREAU OF ENGINEERING
OFFICIAL RECORD

LADBS APPROVAL STAMP

FORM GRN 17

PLUMBING FIXTURE FLOW RATES
Non-Residential Occupancies
2020 Los Angeles Green Building Code
(Incorporate this form into the plans)

SECTION 5.303.2
WATER REDUCTION FIXTURE FLOW RATES

FIXTURE TYPE	MAXIMUM ALLOWABLE FLOW RATE
Showerheads	1.8 gpm @ 80 psi
Lavatory faucets, residential	1.2 gpm @ 60 psi[1,3]
Lavatory Faucets, nonresidential	0.4 gpm @ 60 psi[1,3]
Kitchen faucets	1.5 gpm @ 60 psi[2,4,5]
Wash fountains	1.8 gpm for every 20 in. of rim space @60 psi
Metering faucets	0.2 gallons/cycle
Metering faucets for wash fountains	0.2 gpm for every 20 in. of rim space @ 60 psi
Gravity tank type water closets	1.28 gallons/flush[6]
Flushometer tank water closets	1.28 gallons/flush[6]
Flushometer valve water closets	1.28 gallons/flush[6]
Urinals	0.125 gallons/flush
Clothes Washers	ENERGY-STAR certified
Dishwashers	ENERGY-STAR certified

[1] Lavatory faucets shall not have a flow rate less than 0.8 gpm at 20 psi.
[2] Kitchen faucets may temporarily increase flow above the maximum rate, but not above 2.2gpm @ 60psi and must default to a maximum flow rate of 1.8 gpm @ 60psi.
[3] Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.
[4] Kitchen faucets with a maximum 1.8 gpm flow rate may be installed in buildings that have water closets with a maximum flush rate of 1.06 gallons/flush installed throughout
[5] This requirement does not apply to faucets in commercial kitchens.
[6] Includes single and dual flush water closets with an effective flush of 1.28 gallons or less.
Single Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is the average flush volume when tested in accordance with ASME A112.19.233.2.
Dual Flush Toilets - The effective flush volume shall not exceed 1.28 gallons (4.8 liters). The effective flush volume is defined as the composite, average flush volume of two reduced flushes and one full flush. Flush volumes will be tested in accordance with ASME A112.19.2 and ASME A112.19.14.

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FORM GRN 18N

2020 Los Angeles Green Building Code

WATER CONSERVATION ORDINANCE NOTES
NON-RESIDENTIAL BUILDINGS

1. For new buildings or additions exceeding 50,000 ft², install a separate water meter or sub-meter for the following areas:
   A. For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gpd (380 L/day).
   B. Where potable water is used for industrial/process uses, for water supplied to the following subsystems:
      a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
      b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
      c. Steam and hot-water boilers with energy input more than 500,000 Btu/h (147 kW).
   C. For each building that uses more than 100 gpd on a parcel containing multiple buildings. (5.303.1.1)
2. Provide a 20% reduction in the overall potable water use for each building. The reduction shall be based on the maximum allowable water use per plumbing fixture and fittings as required by the Los Angeles Plumbing Code. New projects having a water supply of 2"or less and additions and alterations projects may use the prescriptive method outlined in this section. (5.303.2)
3. A water budget for landscape irrigation use that conforms to the California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO) is required for new landscape areas of 500 sqft or more. The following methods to reduce potable water use in landscape areas include, but are not limited to, use of captured rainwater, recycled water, graywater, or water treated for irrigation purposes and conveyed by a water district or public entity. (5.304.1, 5.304.2)
4. New buildings on a site with 1,000 square feet or more of cumulative landscape area shall have separate meters or submeters for outdoor water use. (5.304.4)
5. Additions and alterations on a site with 1,000 square feet of cumulative landscape area which require water service upgrade shall have separate meters or submeters for outdoor water use. (5.304.4)
6. Locks shall be installed on all publicly accessible exterior faucets and hose bibs. (5.304.5)
7. Except as provided in this section, for sites with over 500 square feet of landscape area, alternate waste piping shall be installed to permit discharge from the clothes washer, bathtub, showers, and bathroom/restrooms wash basins to be used for a future graywater irrigation system (5.305.1)
8. Except as provided in this section, where City-recycled water is available within 200 feet of the property line, water closets, urinals, floor drains, and process cooling and heating in the building shall be supplied from recycled water and shall be installed in accordance with the Los Angeles Plumbing Code. (5.305.2)
9. Cooling towers shall comply with one of the following:
   A. Shall have a minimum of 6 cycles of concentration (blowdown)
   B. A minimum of 50% of the makeup water supply to the cooling towers shall come from non-potable water sources, including treated backwash. (5.305.3)
10. Develop and construct a system for onsite reuse of the groundwater where groundwater is being extracted and discharged. Alternatively, the groundwater may be discharged to the sewer. (5.305.4)
11. Provide a hot water system complying with one of the following:
   A. The hot water system shall not allow more than 0.6 gallons of water to be delivered to any fixture before hot water arrives.
   B. Where a hot water recirculation or electric resistance heat trace wire system is installed, the branch from the recirculating loop or electric resistance heat trace wire to the fixture shall contain a maximum of 0.6 gallons. (Los Angeles Plumbing Code Section 610.4.1)

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BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO.	DATE	BY	REVISION DESCRIPTION
BID SET			

BUILDING NO. -
INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY ENGINEER
DATE:
LIC. NO.: C12115

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: GREEN BUILDING NOTES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. G004
SHEET O OF SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

PLOTTED:5/25/2024 2:51:16 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/18/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

Commissioning Plan Compliance Form

FORM GRN 23

2020 Los Angeles Green Building Code
and 2019 California Energy Code

COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS

Project Address: 1122 Cole Ave Permit Number: _____ - _____ - _____

ITEM #	COMMISSIONING PLAN ITEMS	PAGE NUMBER IN COMMISSIONING PLAN DOCUMENT
	GENERAL PROJECT INFORMATION	
1	Project name, owner, location, building type and building area	6
2	Definitions	4
3	Overall project commissioning schedule	16
4	Contact information for individual/company providing commissioning services	7
	COMMISSIONING GOALS	
5	Meeting the Los Angeles Green Building code and California Energy Code requirements for commissioning	5
6	Meeting OPR and BOD requirements	5
7	Carrying out requirements for commissioning activities as specified in plans and specifications	5
	SYSTEMS TO BE COMMISSIONED	
8	Explanation of the original design intent (refer to OPR and BOD documents)	5
9	Requirements for execution and documentation of installation, checkout and start up, including controls point-to-point checks and calibrations	11-12
10	Equipment and systems to be tested*, functions and modes to be tested, conditions under which the test shall be performed, measurable criteria for acceptable performance, and example test forms	5-6
	COMMISSIONING TEAM INFORMATION	
11	List of all team members and contact information (i.e. owner, owner's representative, architect, engineers, designated commissioning representative, and (if available): general contractor, sub-contractors, vendors, and construction manager)	7
	COMMISSIONING PROCESS ACTIVITIES, SCHEDULES, AND RESPONSIBILITIES	
12	Prescribed commissioning process steps and activities to be accomplished by the Cx team throughout the design to occupancy	9-14
13	Roles and responsibilities for each member of the Cx team for each phase of the work (including who writes checklists and tests, who reviews and approves test forms, who directs tests, who executes tests, who documents tests results and who approves completed tests)	8
14	Required Cx deliverables, reports, forms, and verifications expected at each stage of the commissioning effort	9-14
15	Confirmation, development and approval process for the O&M manual, systems manual and the facility operator and maintenance staff training	14

**At a minimum, the following systems shall be tested: HVAC & controls, indoor lighting system & controls, water heating system, landscape irrigation systems, covered processes, renewable energy systems, and water reuse systems.*

Owner/Owner Representative Acknowledgement

The commissioning plan includes the items listed above and have been approved by the Owner or Owner Representative:

Name: Alex D. Ngo ✓ Owner ☐ Owner Representative

Company Name (if applicable): City of LA/PW/BOE

Signature: Alex D. Ngo Date: 1/11/23

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Owner's Project Requirements (OPR) Compliance Form

FORM GRN 20

2020 Los Angeles Green Building Code
and 2019 California Energy Code

COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS

Project Address: 1122 Cole Ave Permit Number: _____ - _____ - _____

ITEM #	OPR ITEMS	PAGE NUMBER IN OPR DOCUMENT
	PROJECT PROGRAM	
1	General building information (size, stories, construction type, occupancy type and number)	4
2	Intended uses and schedules	4
3	Future expandability and flexibility of spaces	4
4	Quality and/or durability of materials and desired building lifespan	4
5	Budget or operation constraints	4
	ENVIRONMENTAL AND SUSTAINABILITY GOALS	
6	Level of compliance with the Los Angeles Green Building Code: Mandatory, Tier 1, or Tier 2	4
7	Specific environmental or sustainability goals (e.g. water efficiency, water reuse, CO_2 monitoring, xeriscaping, etc.)	4
	ENERGY EFFICIENCY GOALS	
8	Overall efficiency of building: meet California Energy Code or exceed by (%)	5
9	Lighting system efficiency: meet California Energy Code or exceed by (%)	5
10	HVAC equipment efficiency and characteristics	5
11	Other measures affecting energy efficiency desired by owner (e.g. building orientation, shading, envelope and fenestration, roof, renewable power, net-zero energy use, etc.)	5
	INDOOR ENVIRONMENTAL QUALITY REQUIREMENTS	
12	Lighting	5
13	Temperature and Humidity	5
14	Acoustics	5
15	Air quality, ventilation, and filtration	5-6
16	Desired adjustability of system controls	6
17	Accommodations for after-hours use	6
18	Other owner requirements (e.g. natural ventilation, daylight, views, etc.)	6
	EQUIPMENT AND SYSTEMS EXPECTATIONS	
19	Level of quality, reliability, equipment type, flexibility, maintenance, and complexity desired	6
20	Specific efficiency targets, desired technologies, or preferred manufacturers for building systems, acoustics and vibration	6
21	Degree of system integration, automation, and functionality for controls (i.e. load shedding, demand response, energy management)	6
	BUILDING OCCUPANT AND O&M PERSONNEL EXPECTATIONS	
22	Description of how the building will be operated and by whom	6
23	Level of training and orientation required to understand, operate and use the building systems for building operation and maintenance staff, as well as occupants	6
24	Building operation and maintenance staff location and capabilities	6
	COMMISSIONING AGENT INFORMATION	
25	Name of Commissioning Agency: Verdical Group	
26	Address of Agency: 525 S. Hewitt Street, Los Angeles, CA 90013	
27	Contact person(s) Name(s): Bobby Almeida	

Owner/Owner Representative Acknowledgement

Owner's Project Requirements (OPR). The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. The OPR includes the elements listed above and have been approved by the Owner or Owner Representative.

Name: Alex D. Ngo ✓ Owner ☐ Owner Representative

Company Name (if applicable): City of LA/PW/BOE

Signature: Alex D. Ngo Date: 1/11/23

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities.

Basis of Design (BOD) Compliance Form

FORM GRN 21

2020 Los Angeles Green Building Code
and 2019 California Energy Code

Commissioning Agent Acknowledgement

I have reviewed the Basis of Design (BOD) and verified that it meets the Owner's Project Requirements (OPR):

Name: Bobby Almeida

Company Name (if applicable): Verdical Group

Agent's Signature: _____ Date: 9/15/22

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities.

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Basis of Design (BOD) Compliance Form

FORM GRN 21

2020 Los Angeles Green Building Code
and 2019 California Energy Code

COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS

Project Address: 1122 Cole Ave Permit Number: 22010 - 10000 - 04634

ITEM #	BOD ITEMS	PAGE NUMBER IN BOD DOCUMENT
	HVAC SYSTEMS AND CONTROLS	
1	Narrative description of system (i.e. system type(s), location, control type, efficiency features, outdoor air ventilation strategy, indoor air quality features, noise reduction features, environmental benefits, other features)	5-8
2	Description of how the system meets requirements in OPR	5-8
3	Reasons for system selection, as opposed to alternatives (e.g. comfort performance, efficiency, reliability, cost, acoustics, etc.)	5-8
4	Load calculations (i.e. method/software, summer outdoor conditions, winter outdoor conditions, indoor design conditions, assumptions, other)	5-8
5	Sequence of Operations (i.e. operating schedules, setpoints, other)	5-8
	INDOOR LIGHTING SYSTEM	
6	Narrative Description of system (e.g. fixture type(s), lamp & ballast type, control type, etc.)	2-3
7	Description of how the system meets requirements in OPR	2-3
8	Reasons for system selection, as opposed to alternatives (e.g. visual comfort performance, efficiency, reliability, flexibility, simplicity, cost, etc.)	2-3
9	Lighting Design Criteria (i.e. space ID, space type, illumination design target, source of target, light calculation assumptions, other)	2-3
10	Lighting Power Design Target (i.e. space type, Title 24-Energy Code lighting power allowance, lighting power design target, other)	2-3
	WATER HEATING SYSTEM	
11	Narrative description of system (i.e. system type, location, control type, efficiency features, environmental benefits, other)	11
12	Description of how the system meets requirements in OPR	11
13	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, space constraints, cost, ease of maintenance, other)	11
14	Water heating load calculations: sizing calculation method, assumptions, and results	11
	LANDSCAPE IRRIGATION SYSTEMS	
15	Narrative description of system (i.e. system type(s), location, control type, performance, efficiency, water savings, other)	13
16	Description of how the system meets requirements in OPR	13
17	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, flexibility, cost, utility company incentives, other)	13
18	Landscape irrigation system calculations: sizing calculation method, assumptions, and results	13
	COVERED PROCESSES	
19	Narrative description of system (i.e. system type(s), location, control type, performance, efficiency, savings, other)	N/A
20	Description of how the system meets requirements in OPR	N/A
21	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, flexibility, simplicity, expandability, cost, payback period, utility company incentives, owner preference, etc.)	N/A
22	Sequence of Operation (e.g. operating schedules, setpoints, storage capacity, etc...)	N/A
	RENEWABLE ENERGY SYSTEMS (IF ANY)	
23	Narrative description of system (i.e. system type(s), location, inverter type, control type, performance, efficiency, energy savings, payback period, other)	N/A
24	Description of how the system meets requirements listed in OPR	N/A
25	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, flexibility, simplicity, expandability, cost, payback period, etc.)	N/A
26	Renewable energy system generation calculations: sizing calculation method, assumptions, and results	N/A
	WATER REUSE SYSTEM (IF ANY)	
27	Narrative description of system (i.e. system type(s), location, space requirements, equipment requirements, control type, performance, efficiency, potable water savings, payback period, other)	N/A
28	Description of how the system meets requirements in OPR	N/A
29	Reasons for system selection, as opposed to alternatives (e.g. performance, efficiency, reliability, flexibility, simplicity, cost, payback period, etc.)	N/A
30	Water reuse system calculations: sizing calculation method, assumptions, and results	N/A

Architect/Engineer/Designer Acknowledgement

I hereby acknowledge the Basis of Design (BOD) document has been completed and meets the Owner's Project Requirements (OPR).

	Name	License Number	Signature	Date
Architect of Record				
Mechanical Designer				
Electrical Designer				
Plumbing Designer				
Landscape Architect				
Renewable Energy System Designer				
Others (specify):				

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Commissioning Measures In Construction Documents

FORM GRN 22

2020 Los Angeles Green Building Code
and 2019 California Energy Code

COMPLETE AND INCORPORATE THIS FORM INTO THE PLANS

Project Address: 1122 Cole Ave Permit Number: _____ - _____ - _____

ITEM #	Commissioning Measures Items
1	Measures shown in the specifications and cross referenced
2	List of commissioned equipment and systems
3	Cx roles and responsibilities of all parties
4	Meeting requirements
5	Commissioning schedule management procedures
6	Procedures for addressing outstanding issues or non-compliance
7	Requirements for execution and documentation of installation and equipment start up
8	Specific testing requirements for each system type
9	Submittal review and approval requirements
10	Contents and approval process of the commissioning plan
11	Cx documentation and reporting requirements
12	Facility staff training requirements and verification procedures
13	O & M manual review and approval procedures
14	Systems manual development and approval procedures
15	Definitions

Commissioning Agent Acknowledgment

I have reviewed the applicable construction documents listed above and verified their compliance with the owner's project requirements, basis of design, and commissioning plan.

Name: Bobby Almeida

Company Name (if applicable): Verdical Group

Agent's signature: _____ Date: 9/15/22

As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable accommodation to ensure equal access to its programs, services and activities.

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 10/30/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

PUBLIC WORKS
DEPARTMENT OF
CITY OF LOS ANGELES

CITY ENGINEER DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: GREEN BUILDING NOTES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. G005

SHEET O F SHEETS

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Appendix A: Measurement Locations
Appendix B: Measured Noise Levels
Appendix C: Facade
Appendix D: Wall Element Transmission Losses
Appendix E: Acoustic Analysis

Issue 1: August 31, 2021

Antonio Acoustics
2201 Highland Vista Dr
Arcadia CA 91006
www.antonioacoustics.com

1. Introduction

The City of Los Angeles require nonresidential buildings to meet the California Green Building Standards Code ("Calgreen"). These are mandatory.

Section 5.507 of Calgreen covers environmental comfort, and requires that internal noise levels are assessed and controlled where necessary.

Lehrer Architects have been engaged to design the new Hollywood Rec Center building at 1122 Cole Ave, Los Angeles, CA 90038, and have employed Antonio Acoustics to provide advice relating to these Calgreen requirements.

This report identifies the background to the project, Calgreen acoustic criteria, measurements, assessment and façade recommendations.

2. Site Description

The new Hollywood Recreation Center Building will be built on the site of the existing recreation center, to the west of the site adjacent to Cole Ave.

The site has a typical urban soundscape. Subjectively the site is not excessively noisy, however there is continuous noise from road traffic on Santa Monica Blvd, local road traffic on Cole Ave and occasional peaks from light aircraft.

3. Code Requirements

The City of Los Angeles Department of Building and Safety have made the applicable CalGreen requirements available online:

2016-calgreen_complete.pdf (ladbs.org)

Section 5.507 of Calgreen (downloaded August 19, 2021) states:

"SECTION 5.507 ENVIRONMENTAL COMFORT

5.507.4 Acoustical control.
Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E90 and ASTM E413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method.
Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. *Within the 65 CNEL noise contour of an airport.*
   Exceptions:
   1. Ldn or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
   2. Ldn or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.
2. *Within the 65 CNEL or Ldn noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.*

5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB Leq-1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: http://www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf"

5. Measured Levels

The partially attended measured hourly noise levels are provided in Figure 1, and in tabular form in Appendix B, with the measured spectral data.

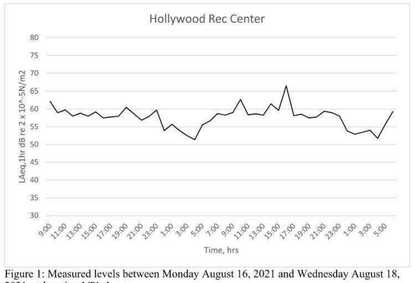

Figure 1: Measured levels between Monday August 16, 2021 and Wednesday August 18, 2021, at location LT1, $L_{Aeq,1hr}$.

6. Comment

The site noise does not vary significantly with the lowest measured level being 51.4 dB(A) Leq and the highest 66.5 dB(A) Leq.

The highest measured noise level exceeds 65 dB(A) Leq,1hr, and therefore compliance with CalGreen can be achieved where wall, roof-ceiling and window assemblies limit internal noise levels to 50 dB(A) Leq,1hr.

A 16.5 dB(A) reduction of noise from outside to inside is required.

7. Analysis

The following basis of acoustic analysis has been taken:

The highest measured level in any octave is applied, as a worst case scenario

The noise calculation for the largest façade area with the poorest performing constructions, for the nearest external noise source (ie the west façade facing Cole Ave), or a worst case scenario

The areas have been taken from the architectural drawings shown in Appendix C.

The façade consists of three main elements:

Kalwall (STC34)

Glazing (STC35)

External Wall (STC52)

The transmission loss data for these is provided in Appendix D.

The internal reverberant and direct (to 3 feet inside the façade) noise levels have been predicted for all the main elements and summed to provide the worst case overall internal noise level.

The predicted internal noise level is 46.9 dB(A). This noise level is less than 50dB(A) and therefore the design is in compliance with Calgreen. The analysis is given in Appendix E.

8. Conclusions

This report details noise measurements, the building façade design and an analysis that shows the proposed exterior wall assembly is sufficient to reduce internal noise levels due to external sources to less than those required by CalGreen during the worst-case hour of operation (loudest ambient noise).

4.3 Weather

The weather was fine and dry throughout the survey period. The temperature varied between 68 and 78 degrees and wind was variable varying from 0 to 14 mph. (Source: Wunderground.com). The weather was not observed to be unusual.

4.4 Equipment

Measurements were taken using a Rion NL-52 sound level meter with logging and frequency analysis software. The meter and microphone meets ANSI S1.4–1983, ANSI S1.4A–1985 Amendment, Type1, and ANSI S1.43–1997, Type1.

The meter was calibrated using a Bruel and Kjaer type 4231 Calibrator.

4.5 Process and Measurement Locations

The meter was calibrated before and after use to verify that there was no significant drift in level.

Measurements were taken at high level on the roof of an existing building which will be demolished. 15 minute measurements were taken to provide a more detailed examination of the noise environment over the survey period. Post measurement these were converted to 1hr Leq measurements, starting on the hour. The measurement location is shown in Appendix A.

The measurement location was selected to characterize the overall sound level across the site and were representative of the noise that the proposed building will be exposed to. Measurements were free field and taken 4' above the existing building roof level. There was clear line of sight to Cole Ave.

4.6 Observations

The local noise climate was observed.

It is believed that the measurements were carried out over a period representative of the typical noise level at the site. No unusual activities were observed and the main noise sources in the area, traffic on Santa Monica Blvd, aircraft, local road traffic on Cole Ave, use of a leaf blower in the park at some distance, a pedestrian on the sidewalk to Cole Ave, distant HVAC noise, bird song and noise from wind in a tree, all appeared to be normal.

Subjectively ambient noise is clearly present and continuous, however due to distance to the main noise source of Santa Monica, no very loud sources were observed and the site feels normal for an urban environment with some distance separation from a major road.

In summary:

Where external noise levels exceed 65 dB Leq-1-hr during any hour of operation, compliance with CalGreen can be achieved where wall, roof-ceiling and window assemblies are constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA.

4. Noise Survey

The site has been visited and measurements carried out. to establish the external noise level and noise sources.

4.1 Personnel

The measurement equipment was installed by Nick Antonio of Antonio Acoustics. He is a Member of the Institute of Noise Control Engineering, a Fellow of the Institute of Acoustics and a Member of the Acoustical Society of America. He has more than 30 years experience in acoustics.

4.2 Dates and Times

The site has been visited over two weekdays through the times shown in Table 1:

Date	Start, hrs	End, hrs	Purpose
Monday August 16, 2021	07.25	08.30	Investigation and observation. Install long term logging monitor.
Wednesday August 18, 2021	07.15	07.45	Retrieve long term logging monitor, observe noise sources.

Table 1: Days and times of site visits

The logging, partially attended noise monitor has been used to establish the hourly dB(A) L_{eq} levels between Monday August 16, 2021, 09.00 hrs and Wednesday August 18, 2021 07.00hrs.

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Lehrer Architects
Hollywood Recreation Center
Façade Noise Assessment

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
DATE:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ACOUSTIC TESTING

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
G006

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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/30/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

1. All conditions of the above referenced Department approval letter(s) shall apply except as specifically modified herein.
2. The infiltration facility design and construction shall comply with the minimum requirements specified in the Information Bulletin P/BC 2020-118.
3. The infiltration system shall be constructed at the location shown on the drawing attached to the current report.
4. The construction of the infiltration system shall be provided under the inspection and approval of the soils engineer.
5. An overflow outlet shall be provided to conduct water to the street in the event that the infiltration system capacity is exceeded. (P/BC 2020-118)
6. Approval for the proposed infiltration system from the Bureau of Sanitation, Department of Public Works shall be secured.
7. A minimum distance of 10 feet (in any direction) shall be provided from adjacent proposed/existing footings to the proposed infiltration system. A minimum distance of 10 feet horizontally shall be provided from private property lines to the proposed infiltration system.

ALAN DANG
Structural Engineering Associate II

AD/ad
Log No. 119008
213-482-0480

cc: Geotechnical Engineering Group, Project Consultant
VN District Office

BOARD OF BUILDING AND SAFETY COMMISSIONERS
VAN AMBATIELOS, PRESIDENT
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CITY OF LOS ANGELES
CALIFORNIA

ERIC GARCETTI
MAYOR

DEPARTMENT OF BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012
OSAMA YOUNAN, P.E.
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

SOILS REPORT APPROVAL LETTER

October 21, 2021

LOG # 119008
SOILS/GEOLOGY FILE - 2

GEO
1149 S. Broadway, Suite 120
Los Angeles, CA 90015

TRACT: Colegrove (MR 53-10)
BLOCK: BLK 17
LOT(S): PT 1
LOCATION: 1122 N. Cole Avenue

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Addendum Report	19-113	11/04/2020	Geotechnical Engineering Division

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Approval Letter	113311	06/17/2020	LADBS
Soils Report	19-113	03/25/2020	Geotechnical Engineering Group
Dept. Approval Letter	68531	09/15/2009	LADBS
Soils Report	09-029	08/25/2009	Geotechnical Engineering Group

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provide recommendations for the proposed 2 story gym, miscellaneous park improvements, and infiltration facility.

The Department previously conditionally approved the above referenced reports for the proposed 3 story gym and admin building in a letter dated 06/17/2020, Log #113311.

As of January 1, 2020, the City of Los Angeles has adopted the new 2020 Los Angeles Building Code (LABC). The 2020 LABC requirements will apply to all projects where the permit application submittal date is after January 1, 2020.

The referenced report is acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2020 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

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26. All roof, pad and deck drainage shall be conducted to the street in an acceptable manner in non-erosive devices or other approved location in a manner that is acceptable to the LADBS and the Department of Public Works (7013.10).
27. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS (7013.10).
28. The soils engineer shall inspect all excavations to determine that conditions anticipated in the report have been encountered and to provide recommendations for the correction of hazards found during grading (7008, 1705.6 & 1705.8).
29. Prior to pouring concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the work inspected meets the conditions of the report. No concrete shall be poured until the LADBS Inspector has also inspected and approved the footing excavations. A written certification to this effect shall be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)
30. Prior to excavation an initial inspection shall be called with the LADBS Inspector. During the initial inspection, the sequence of construction; shoring; ABC slot cuts; protection fences; and, dust and traffic control will be scheduled (108.9.1).
31. Installation of shoring, underpinning, slot cutting and/or pile excavations shall be performed under the inspection and approval of the soils engineer and deputy grading inspector (1705.6, 1705.8).
32. Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the soil inspected meets the conditions of the report. No fill shall be placed until the LADBS Inspector has also inspected and approved the bottom excavations. A written certification to this effect shall be included in the final compaction report filed with the Grading Division of the Department. All fill shall be placed under the inspection and approval of the soils engineer. A compaction report together with the approved soil report and Department approval letter shall be submitted to the Grading Division of the Department upon completion of the compaction. In addition, an Engineer's Certificate of Compliance with the legal description as indicated in the grading permit and the permit number shall be included (7011.3).
33. No footing/slab shall be poured until the compaction report is submitted and approved by the Grading Division of the Department.

ALAN DANG
Structural Engineering Associate II

AD/ad
Log No. 113311
213-482-0480

cc: Geotechnical Engineering, Project Consultant
LA District Office

recommendations for shoring, underpinning, and sequence of construction. Shoring recommendations shall include the maximum allowable lateral deflection of shoring system to prevent damage to adjacent structures, properties and/or public ways. Report shall include a plot plan and cross-section(s) showing the construction type, number of stories, and location of adjacent structures, and analysis incorporating all surcharge loads that demonstrate an acceptable factor of safety against failure. (7006.2 & 3307.3.2)

14. Prior to the issuance of any permit that authorizes an excavation where the excavation is to be of a greater depth than are the walls or foundation of any adjoining building or structure and located closer to the property line than the depth of the excavation, the owner of the subject site shall provide the Department with evidence that the adjacent property owner has been given a 30-day written notice of such intent to make an excavation (3307.1).
15. The soils engineer shall review and approve the shoring and/or underpinning plans prior to issuance of the permit (3307.3.2).
16. Prior to the issuance of the permits, the soils engineer and/or the structural designer shall evaluate the surcharge loads used in the report calculations for the design of the retaining walls and shoring. If the surcharge loads used in the calculations do not conform to the actual surcharge loads, the soil engineer shall submit a supplementary report with revised recommendations to the Department for approval.
17. Unsurcharged temporary excavations over 5 feet exposing soil shall be trimmed back at a gradient not exceeding 1:1, as recommended.
18. Shoring shall be designed for the lateral earth pressures specified on page 7 of the current report; all surcharge loads shall be included into the design.
19. Shoring shall be designed for a maximum lateral deflection of ½ inch where a structure is within a 1:1 plane projected up from the base of the excavation, and for a maximum lateral deflection of 1 inch provided there are no structures within a 1:1 plane projected up from the base of the excavation, as recommended.
20. A shoring monitoring program shall be implemented to the satisfaction of the soils engineer.
21. ABC slot-cut method may be used for unsurcharged temporary excavations with each slot not exceeding 10 feet in height and not exceeding 8 feet in width, as recommended. The soils engineer shall verify in the field if the existing earth materials are stable in the slot-cut excavation. Each slot shall be inspected by the soils engineer and approved in writing prior to any worker access.
22. All foundations shall derive entire support from native undisturbed soils, properly placed fill, as recommended.
23. Footings supported on approved compacted fill or expansive soil shall be reinforced with a minimum of four (4), ½-inch diameter (#4) deformed reinforcing bars. Two (2) bars shall be placed near the bottom and two (2) bars placed near the top of the footing.
24. The foundation/slab design shall satisfy all requirements of the Information Bulletin P/BC 2017-116 "Foundation Design for Expansive Soils" (1803.5.3).
25. The seismic design shall be based on a Site Class D, as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check.

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2020 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. The soils engineer shall review and approve the detailed plans prior to issuance of any permit. This approval shall be by signature on the plans that clearly indicates the soils engineer has reviewed the plans prepared by the design engineer; and, that the plans included the recommendations contained in their reports (7006.1).
2. All recommendations of the report that are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.
3. A copy of the subject and appropriate referenced reports and this approval letter shall be attached to the District Office and field set of plans (7006.1). Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit.
4. A grading permit shall be obtained for all structural fill and retaining wall backfill (106.1.2).
5. All man-made fill shall be compacted to a minimum 90 percent of the maximum dry density of the fill material per the latest version of ASTM D 1557. Where cohesionless soil having less than 15 percent finer than 0.005 millimeters is used for fill, it shall be compacted to a minimum of 95 percent relative compaction based on maximum dry density. Placement of gravel in lieu of compacted fill is only allowed if complying with LAMC Section 91.7011.3.
6. If import soils are used, no footings shall be poured until the soils engineer has submitted a compaction report containing in-place shear test data and settlement data to the Grading Division of the Department; and, obtained approval (7008.2).
7. Compacted fill shall extend beyond the footings a minimum distance equal to the depth of the fill below the bottom of footings or a minimum of three feet whichever is greater (7011.3).
8. Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill (1809.2, 7011.3).
9. Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction (7013.12).
10. Controlled Low Strength Material, CLSM (slurry) proposed to be used for backfill shall satisfy the requirements specified in P/BC 2020-121.
11. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the General Safety Orders of the California Department of Industrial Relations (3301.1).
12. Temporary excavations that remove lateral support to the public way, adjacent property, or adjacent structures shall be supported by shoring or constructed using ABC slot cuts. Note: Lateral support shall be considered to be removed when the excavation extends below a plane projected downward at an angle of 45 degrees from the bottom of a footing of an existing structure, from the edge of the public way or an adjacent property. (3307.3.1)
13. Where any excavation, not addressed in the approved reports, would remove lateral support (as defined in 3307.3.1) from a public way, adjacent property or structures, a supplemental report shall be submitted to the Grading Division of the Department containing

BOARD OF BUILDING AND SAFETY COMMISSIONERS
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CITY OF LOS ANGELES
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ERIC GARCETTI
MAYOR

DEPARTMENT OF BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012
OSAMA YOUNAN, P.E.
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

SOILS REPORT APPROVAL LETTER

June 17, 2020

LOG # 113311
SOILS/GEOLOGY FILE - 2

GEO
1149 S. Broadway, Suite 120
Los Angeles, CA 90015

TRACT: Colegrove (MR 53-10)
BLOCK: BLK 17
LOT(S): PT 1
LOCATION: 1122 N. Cole Avenue

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Soils Report	19-113	03/25/2020	Geotechnical Engineering Group

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Approval Letter	68531	09/15/2009	LADBS
Soils Report	09-029	08/25/2009	Geotechnical Engineering Group

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provide recommendations for the proposed 3 story gym and admin building. The earth materials at the subsurface exploration locations consist of artificial fill over marine deposits. The consultants recommend to support the proposed structure(s) on conventional foundations bearing on native undisturbed soils and/or properly placed fill.

The Department previously conditionally approved the above referenced reports dated 08/25/2009 for the proposed new one-story pool building, pool, slide tank with water slide, and spectator area in a letter dated 09/15/2009, Log #68531.

As of January 1, 2020, the City of Los Angeles has adopted the new 2020 Los Angeles Building Code (LABC). The 2020 LABC requirements will apply to all projects where the permit application submittal date is after January 1, 2020.

The referenced report is acceptable, provided the following conditions are complied with during site development:

BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: LADBS APPROVAL LETTERS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. G007
SHEET OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 11/01/22
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

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TTLB TEMPLATE REVISION DATE: 06/30/2016
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FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

LADBS APPROVAL STAMP

Further, any Department of Recreation and Parks project, including facilities leased to, or operated and/or managed by private operators and any accessory use or building, shall not be subject to any Department of City Planning entitlements for development, including but not limited to the following:

A. Project Permit Compliance
B. Zone Change (Changes to zones will continue to be reflected during the community plan update process.)
C. Conditional Use Permit (The sale of alcoholic beverages for on or off-site consumption requires approval by the RAP Board. Department of Recreation and Parks will be responsible for coordinating directly with the California Department of Alcoholic Beverage Control regarding license authorizations.)
D. Variance
E. Adjustment
F. Site Plan Review
G. Previously approved entitlements having a Sunset Clause

All other City regulations for development projects, not administered or regulated by Chapter I of the Los Angeles Municipal Code, shall continue to be enforced by each respective City department, unless otherwise stated by said department. All Department of Recreation and Parks projects that require building permits for construction, including tenant improvements, shall be subject to all current building code regulations as enforced by the Department of Building and Safety.

In addition, this memorandum does not supersede any State of California or Federal regulations, including but not limited to, the California Coastal Act (California Government Code Sections 30000-30900), the Subdivision Map Act (California Government Code Sections 66410-66499.58), or the Americans With Disabilities Act.

Finally, the Department of City Planning and the Department of Recreation and Parks will jointly write a Memorandum of Understanding for the purpose of maintaining communication regarding all proposed park projects. Department of Recreation and Parks staff has agreed to convene with Department of City Planning staff on a quarterly basis, as needed, to solicit urban design feedback for all proposed park projects to ensure consistency with applicable design guidelines and adopted plans.

(e) to establish, maintain and operate playgrounds or other recreational facilities upon portions of public streets, under terms and conditions provided by ordinance.

Section 591. Board of Recreation and Parks Commissioners.

The Board of Recreation and Park Commissioners shall have the power:
(a) to control all recreation and park sites;
(b) to control, appropriate and expend all money in the Recreation and Parks Fund and authorize the City Treasurer to invest any surplus funds under its control in accordance with Section 303(b); and
(c) to organize the work of the department into divisions and to appoint an administrative officer for each division or for any group of divisions.

Section 594. Control and Management of Recreation and Park Lands.

(a) Management and Control. The Department of Recreation and Parks shall operate, manage and control all property now or hereafter owned or controlled by the City for public recreation, including parks, and shall have power in the name of the City to acquire and take by purchase, lease, condemnation, gift, in trust or otherwise, any and all property necessary or convenient for recreation, including park purposes.
(b) Acquisition of Property. No real property shall be acquired by the City for recreation sites, including parks, unless first approved by the Board of Recreation and Park Commissioners.
(c) Restrictions on Transfer of Dedicated Parks. All lands heretofore or hereafter set apart or dedicated as a public park shall forever remain for the use of the public inviolate; but the board may authorize use of the lands for any park purpose, and for……
(d) Transfer to Purposes other than Recreation and Park Purposes. No sites under the management and control of the department shall be devoted or transferred to any other purpose in whole or in part, except in compliance with……

As stated in Section 591 of the Los Angeles Charter, the Board of Recreation and Park Commissioners (Board) has the power to control all City-owned and operated parks and recreational facilities. In addition, all proposed park projects require approval by the Board, thus ensuring consistency with adopted City plans. The Board shall have the authority to determine appropriate locations for park projects, uses associated with park projects, accessory structures and buildings, and any off-street parking to satisfy park project needs. This authorization exempts Department of Recreation and Parks projects, including facilities leased to, or operated and/or managed by private operators and any accessory use or building, from the regulations of Chapter I of the Los Angeles Municipal Code and any General Provisions and Zoning chapters that may be adopted subsequent to this memorandum, including but not limited to the following:

A. Use for each zone (Parks and recreational facilities shall be permitted in all zones.)
B. Restriction for each zone (Parks and recreational facilities, including any accessory use or building, shall be permitted in all zones.)
C. Area for each zone (The area of each structure and/or building shall not be restricted in all zones.)
D. Specific Plans
E. Districts, including Overlays
F. Off-street parking
G. Height
H. Signs

DEPARTMENT OF CITY PLANNING
CITY PLANNING COMMISSION
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CITY OF LOS ANGELES
CALIFORNIA
ERIC GARCETTI MAYOR

EXECUTIVE OFFICES
200 N. SPRING STREET, ROOM 525
LOS ANGELES, CA 90012-4801
VINCENT P. BERTONI, AICP DIRECTOR (213) 978-1271
KEVIN J. KELLER, AICP DEPUTY DIRECTOR (213) 978-1272
LISA M. WEBBER, AICP DEPUTY DIRECTOR (213) 978-1274
http://planning.lacity.org

Date: December 6, 2018

To: Michael Shull, General Manager, Department of Recreation and Parks
Frank M. Bush, General Manager, Department of Building and Safety
Ralph M. Terrazas, Fire Chief, Fire Department
Gary Lee Moore, City Engineer, Department of Public Works, Bureau of Engineering

From: Vincent P. Bertoni, AICP, Director of Planning

Subject: Department of Recreation and Parks Authority under City Charter

In response to recent discussions involving management and staff from Department of Recreation and Parks, Department of City Planning and the City Attorney's Office, all parties concur that the City of Los Angeles Charter establishes broad authorization for the Department of Recreation and Parks to pursue parks and recreational facilities located on property owned or controlled by the City for public recreation, including facilities leased to, or operated and/or managed by private operators and any accessory use or building, within the City of Los Angeles. This memorandum does not apply to privately owned and operated park projects. The following Charter Sections (only applicable language listed) provide the aforementioned authority:

Section 590. Powers and Duties of the Department.

The Department of Recreation and Parks shall have the power and duty:
(a) to establish, construct, maintain, operate and control, wherever located:
(1) all parks of the City of Los Angeles;
(2) all recreational facilities, museums, observatories, municipal auditoriums, sports centers and all lands, waters, facilities or equipment set aside or dedicated for recreational purposes and public enjoyment; and
(3) all property acquired by it or assigned to its jurisdiction for public recreation.
(b) to design, construct and operate, lease, rent or sell concessions or privileges to be exercised for the benefit, education, amusement, convenience or enjoyment of the public, in connection with any function, site or facility under the jurisdiction of the department;
(c) to establish schedules of charges for special services;
(d) to promote public recreation and cooperate with other public agencies and organizations for that purpose; and

FORM GEN. 160 (Rev. 11-92)

CITY OF LOS ANGELES
INTERDEPARTMENTAL CORRESPONDENCE

Date: December 14, 2022

To: Department of Building and Safety

From: Darryl Ford, Superintendent
Planning, Construction and Maintenance Branch
Department of Recreation and Parks

Subject: HOLLYWOOD RECREATION CENTER – MODERN GYMNASIUM

Pursuant to the letter, dated December 6, 2018, issued by Department of City Planning, it is agreed that the City of Los Angeles Charter exempts the Department of Recreation and Parks (RAP) projects from the regulations of Chapter 1 of the Los Angeles Municipal Code (CH 1 LAMC). The Bureau of Engineering (BOE), a service provider, is tasked to manage the development of the proposed project for RAP.

Project name: Hollywood Recreation Center – Modern Gymnasium
Project address: 1122 Cole Ave., Los Angeles, CA 90038
Scope of work: The project's scope of work includes replacing an existing substandard gymnasium structure, converting an existing playground into five (5) staff surface parking spaces with trash enclosure, improving adjacent outdoor spaces, and fencing at all perimeters.

Since the proposed project is within RAP's property, it is exempt from the regulations of CH 1 LAMC. Please contact my staff, Fernando Torres Jr, at 213-202-2707 or fernando.torresjr@lacity.org if you have any questions.

Cc: Jose Diaz, RAP
Fernando Torres Jr, RAP
Alex Ngo, BOE

Attachment:

Department of Recreation and Parks Authority under City Charter

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NO.	REVISION DESCRIPTION	DATE	BY
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INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
DEPARTMENT OF
CITY OF LOS ANGELES
TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: REC & PARKS ZONING EXEMPTION LETTERS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. G008
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1. Overview and Scope

1.1 Overview and Definition

The Owner's Project Requirements (OPR) provides an explanation of the ideas, concepts and criteria that are considered paramount to the owner, coming out of the programming and conceptual design phases and which are desired to be tracked throughout design and construction. The OPR is developed by the owner and provides direction to the design team. The OPR document sets the functional goals that the design is judged against and establishes the basis of the criteria used during construction to verify actual performance. The OPR does not list items that are already required by code. The OPR is generally not a description of what specifically will be included in the project design but is the more general feature and categorical performance criteria to be met by the design. Where practical and known, the OPR includes measurable indicators used to verify that the performance requirements were met.

The OPR will be followed by the basis of design or design narrative written by the design team and included with design package submissions. The basis of design documents the primary thought processes and assumptions behind the design decisions and describes the design elements being incorporated to meet the OPR.

1.2 Scope

This document includes requirements for the systems that are more likely to be included under the formal commissioning umbrella or be impacted by their interactions. For reference, systems not included in this project and OPR that are typically commissioned and should have an OPR developed for them include: process mechanical and plumbing, automatic doors and gates, presentation screens, and other moving mechanical devices.

This document is not exhaustive, and does not necessarily include all project requirements and directives required of the design team, which could include: other disciplines such as fire protection, structural, landscaping, civil, geotechnical and other earth work, utilities, specification Division 01 requirements, demolition, materials, furnishings and special construction disciplines, drawing, specification and calculation requirements, codes and references, etc.

This document focuses on the mechanical, energy and comfort related systems and on the sustainability requirements of the project. Other areas impacted by commissioning or commissioned systems are covered more broadly.

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5. **Equipment and Systems Expectations** 6
6. **Building Occupant and O&M Personnel Expectations** 7
7. **Building Envelope** 8

Owner's Project Requirements

Hollywood Recreation Center

Los Angeles, CA

LADBS APPROVAL STAMP

7. Building Envelope

7.1 The project must have an air barrier, as required by the California Energy Code.

7.2 Drawings should indicate that joints, penetrations and other openings in the building envelope shall be sealed to limit infiltration and exfiltration.

7.3 Vapor barriers should be considered.

7.4 The project should use a white roof where the reflectivity will not interfere with occupants' enjoyment of the building.

7.5 During the bidding and negotiation phase of the project the project owner and general contractor shall decide which, if any, envelope performance tests should be performed to verify the quality of the envelope construction. This includes the potential for a mockup.

7.6 The glazing SHGC should be reduced as low as possible without negatively impacting aesthetics or going over budget.

7.7 Building insulation should be increased as high as the project budget and space constraints allow.

---END of OPR---

formaldehyde emitting products should be reduced by only using products that meet CALGreen and LEED requirements.

4.5 Ventilation: The project must meet ASHRAE 62.1-2010 as required by LEED v4, Title 24-2019, and any California Mechanical Code requirements for ventilation, including both fresh air and exhaust.

4.6 Filtration: Mechanical filtration with a MERV of 13 or better as described in ASHRAE 52.2-2017.

4.7 Adjustability of Controls: Facilities staff should be able to adjust controls, but most building occupancts should not be able to adjust controls.

4.8 After-Hours Use: Tenants should have the capability to occupy the building after-hours with full lighting and HVAC, when desired.

4.9 Other Requirements: No other indoor environmental quality requirements.

5. Equipment and Systems Expectations

5.1 Equipment Goals: All equipment and systems should be high quality, with a long-anticipated lifespan and requiring minimal maintenance. Equipment with a large amount of downtime should be avoided. There are no specific complexity requirements, but the design should aim for simpler systems that will be easier to operate and maintain.

5.2 Specific Equipment: There are no preferred manufacturers. The team should investigate all manufacturers for price, quality, and efficiency. All equipment must be energy efficient enough to meet the project's net zero goal.

5.3 Controls: The project should utilize a BMS to control HVAC equipment, where feasible. There are no requirements for load shedding, demand response, or energy management.

6. Building Occupant and O&M Personnel Expectations

6.1 Building Operation: The building will be operated by the City of Los Angeles Department of Recreation and Parks (RAP). Contractor to coordinate with PM to contact RAP to designate a point person for any building automation systems.

6.2 Training: The exact level of training will be determined during the construction phase once the people who will be the trainees are identified. It is anticipated that training and orientation will need to cover the BMS, safety shutoffs, preventive maintenance, how to bring out a specialist when needed, and how to adjust all systems.

6.3 Operation Staff: It is anticipated that building operation staff will not be on-site full time. It is anticipated that the operations staff will operate the BMS, perform routine preventive maintenance, make adjustments for building occupants, and complete basic repairs. Complicated repairs will likely require a specialized service company or a manufacturer's technician to compete.

3. Energy Efficiency Goals

3.1 Overall Efficiency: The project must exceed the California Energy Code by at least 0.1%. However, the project is targeting net zero energy so the team should investigate additional energy efficiency measures.

3.2 Lighting Efficiency: The lighting system should positively contribute to the overall buildings energy efficiency goals. Lighting must be at least 0.1% better than the California Energy Code. Lighting controls should meet all mandatory measures in the California Energy Code. Dimming should be included when practical.

3.3 HVAC: All HVAC equipment must meet the efficiency requirements of the California Energy Code.

3.4 Other Efficiency Measures: The project should use a high-performance building envelope without sacrificing aesthetics. The orientation is set by site constraints. Roofing should be white where possible and where it won't interfere with tenant use of the project. Insulation and glazing should meet the mandatory requirement of the California Energy Code and aim to meet the prescriptive requirements where it does not interfere with the project's aesthetics or budget. The project will contain onsite renewables.

4. Indoor Environmental Quality

4.1 Lighting: All spaces should meet IESNA recommendations for illuminance. Controls should meet all requirements of the California Energy Code.

4.2 Temperature and Humidity: All spaces should be designed to meet ASHRAE 55-2020.

4.3 Acoustics: For the entire building, wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40. Additionally, the building must employ assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E90 and ASTME413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E1332, using one of the methods below.

4.3.1 Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 within 65 CNEL noise contour of an airport or within 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

4.3.2 For buildings located as described in section 4.3.1 above, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

4.4 Air Quality: Smoking shall be prohibited within 25 feet of any operable door, window, or air intake. VOCs and other contaminants will be controlled through the development and implementation of an Indoor Air Quality Management Plan. Application of VOC and

2. General Requirements

2.1 Project Description: Hollywood Recreation Center is a new construction recreation center building in Los Angeles, CA. It is two stories and consists of gymnasium, multi-purpose spaces, and support spaces. The construction type will be II-B. Occupancy types will include A-3 and B. The project will be approximately 15,300 square feet. The expected FTE will be 5 and with 50 peak visitors.

2.2 Project Owner: City of Los Angeles Department of Recreation & Parks

2.3 Facility Activities and Function: The project is intended for use as a recreation center for residents of the City of Los Angeles. The intended occupancy schedule is daytime hours, 7 days a week.

2.4 Durability of Materials and Building Lifespan: The building should be constructed using high quality materials to aid in longevity and reduce maintenance. The anticipated building lifespan is 50 years.

2.5 Future Expandability and Flexibility: The project contins multiple multi-purpose rooms that can flexibly hold different functions. The gymnasium space is flexible enough to host different activities and sports. The building is not designed to be expanded.

2.6 Specific Environmental and Sustainability Goals: The project will pursue LEED certification and is targeting net zero energy. The project should be all electric and contain rooftop solar, batteries, and extensive energy efficiency measures.

2.7 Green Building Code: The project will comply with the Los Angeles Green Building Code at the mandatory level.

2.8 Budget and Operation: The total construction budget is to be determined, and there are no anticipated operational constraints.

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NO.	REVISION DESCRIPTION	DATE	BY
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BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER STATE OF CALIFORNIA C12115 Exp. 12.31.23

BUREAU OF PUBLIC WORKS

DEPARTMENT OF

CITY ENGINEER

DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

CITY OF LOS ANGELES

CLIENT : DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: OWNER PROJECT REQUIRMENTS

PROJECT: HOLLYWOOD RECREATION CENTRE PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status

PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. G009

SHEET O F SHEETS

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SHEET ISSUE DATE: 11/01/22

FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

5. Exit signs will be LED type, dual power fed type.
6. Emergency lighting would be powered by lighting inverters for all egress lights and exit signs only.
7. Pole mounted or building mounted LED (if any) will be utilized in the outdoor areas.
8. Outdoor lighting controls shall be by photocell or EMS.

G. Solar/Photovoltaic System
1. Provide conduit only with pull wire directed by the architect, owner or PV design/build contractor to the roof, battery room(s), provide layout of the Photovoltaic inverter according to DC watts generated by the solar panels on roof.
2. Provide 600A circuit breaker space for Photovoltaic connection.

Area Requirements

A. Gymnasium and other areas:
1. Provide convenience power outlets.
2. Provide Power for audio/visual equipment and scoreboard or basketball board.
3. Shown Data/telephone outlets dictated by architect, owner or LADBS ITA department.
4. Lighting will be direct/indirect LED fixtures. Lamps shall be 3500K, 20-30 foot-candles at vertical display locations, 30 foot-candle average for gymnasium recreational use.

B. Office Areas:
1. Provide convenience power outlets.
2. Shown Data/telephone outlets dictated by architect, owner or ITA.
3. Lighting will be College standard direct/indirect LED fixtures. Lamps shall be 3500K, 40-50 foot-candles at work plane. Provide controlled outlets in private offices and break rooms per Title 24 requirements.

Products

A. Photovoltaic inverter, 250KW, 240V, 3 phase will be provided by Design/build contractor.
B. Main meter/main Switchboard: Floor standing, group mounted devices. 120/240V, 3-Phase, 4-Wire, Square D QED-2 front accessible switchboard in main electrical room.
C. Distribution switchboards: Provide Square D QED-2 floor standing type with group mounted molded-case bolt-on circuit breakers in main electrical room.
D. Distribution and Branch circuit panelboards: Provide Square D panelboards, and Q, J, K, M frame with molded-case breakers for distribution and Square D QOB and QOB-VH for branch circuit panelboards. Provide copper bussing with aluminum coating. Provide full size neutral bus and ground bus.
E. Conduit: Provide rigid steel conduit for exposed conduit up to 10' above finished floor. EMT conduit is acceptable for interior concealed work and exposed conduit above 10' above finished floor; provide PVC Schedule 40 with concrete encasement for underground, rigid steel elbows for slab penetration, weatherproof flexible conduit for final connections to motors and HVAC equipment.
F. Conductors: Type THHN/THWN, XHHW-2, 600V copper conductors.
G. Boxes: Outlet boxes will be pressed steel knockout type, Pull/junction boxes will be sheet steel with rain-tight hubs in exposed areas. Floor boxes will cast iron type.
H. Wiring Devices: Receptacles will be specification grade by Leviton, Hubbell or equal. Switches will be Hubbell #1221W, or equal. Device plates will be stainless steel. Occupancy sensor shall be Acuity nlight.
I. Support Devices: Provide conduit and equipment support with seismic restraint as indicated in SMACNA and as required by 2019 Title 24.
J. Grounding: Provide Transformer ground and other electrode grounds as required by CEC 2019. Provide equipment grounding conductor sized per CEC 2019 in all feeder and branch circuit conduits.

Load estimate:

Load	w/sq ft	Watts	Amperage	Building Square ft.
Lighting	3.0	40,500		Approx.13,500 sq. ft
Power	2.0	27,000		
HVAC	8.0	108,000		
Total Connected Load (KVA)		175		
30% Spare (KVA)		53		
Total Calculated Load (KVA)		228	663A @120/208V, 3 phase, 4 wire	

C. Life Safety Emergency Power Distribution
1. Life safety egress lighting will be provided by utilizing battery inverters in the main electrical room, estimated at 5KVA, 120/240V, 1-Phase, 3-Wire.

D. Low Voltage Data and Low voltage Connections:
1. Telephone/Low Voltage Data (Conduit Pathways with pull wire, or information given by Architect, owner or LADBS's ITA department. Architect, owner or/and ITA department will dictate each data outlets and low voltage connections' locations)
2. Owner or LADBS ITA, will be laying out locations for the telephone/data outlets throughout the building and show conduit only with pull wire to BDF/IDF room, including all transition pull boxes.
3. Provide transition J-boxes as required in between the conduits runs to comply with California Electrical Code (CEC) 2019 code.
4. For interior rooms with accessible ceilings, telephone/data conduits will be stubbed into accessible ceiling areas and provide the continuous cable tray above each offices and interior room to IDF room. (only if cable tray is specified or required by LADBS ITA)

E. Fire Alarm
1. Fire Alarm is Design/Build by contractor. Will only show fire alarm devices for reference only. Will obtain fire variance in order for the design/build fire alarm contractor to submit their separate fire alarm plans to the City for approval and pull permit. Fire alarm Variance Fee should be paid by LADBS using IDO (Inter-department order).

F. Lighting
1. Lighting will be designed to levels recommended by I.E.S. and to 2019 Title 24 energy conservation standards.
2. Recreation and Parks may suggest the same gymnasium LED lighting as already installed in other gymnasiums throughout the LA city.
3. Interior lighting other than the gymnasium will be primarily LED and controlled by switches and occupancy sensors. Provide interior photocells to take advantage of day lighting/harvesting and as required for Title 24. Provide local controls for LEED points.
4. Exterior lighting will be LED, pole mounted.

S&K ENGINEERS
BASIS OF DESIGN

DIVISION 26 – ELECTRICAL

A. This division describes the electrical design guidelines for the Hollywood Recreation Center, CA. The intent of this document is to recommend standards and design approaches subject to review by the Los Angeles Bureau of Engineering.

B. Quality Assurance
1. General Requirements. Installation of all items shall be performed in strict accordance with all codes and regulations set forth by State, Local, and Federal authorities.
2. Requirements of Regulatory Agencies:
a. Codes, Ordinances and Standards.
1) All Work shall meet the requirements of local codes, ordinances, standards and utility companies except adhere to the Contract Documents when more strict requirements are specified.
2) Codes which govern electrical Work in this Project are as follows:
a) California Administrative Code, Title 24, Part 1, 2019 Edition
b) California Building Code, Title 24, Part 2, 2019 Edition
c) California Electric Code, Title 24, Part 3, 2019 Edition
d) California Mechanical Code, Title 24, Part 4, 2019 Edition
e) California Plumbing Code, Title 24, Part 5, 2019 Edition
f) California Code of Regulations, Title 24, Part 8, 2019 Edition
g) California Fire Code, Title 24, Part 9, 2019 Edition
h) California Green Building Standard Code, Title 24, Part 11, 2019 Edition

System Descriptions

B. Power Distribution (Normal)
1. Hollywood Recreation Center will be served by DWP electrical service, 800A, 120/240V, 3 phase, 4 wire, high leg delta system from existing transformer in DWP transformer vault from the basketball area approximately 200 feet away from the electrical room of the new gym. It will serve a new indoor 800A bus (solar and utility), 120/240V, 3 phase, 4 wire meter/main electrical service switchboard, located in the main electrical room.
2. Power distribution within the gymnasium , indoor and outdoor to be at 120/240 volt, 3 phase for power, 1 phase for lighting, 3 phase power for HVAC air handling equipment, motors, and all electrical equipment throughout at 240 volt, either 1 phase or 3-phase.
3. Main electrical switchboard will be metered by Square D 8000 digital smart meters manufactured by Schneider.

LADBS APPROVAL STAMP

Flamespread 25
Smoke Developed 50
2. Accessories such as adhesives, mastics, cements, tapes etc. for fittings shall have the same component rating as listed above.
3. Insulation shall comply with Federal Specifications HH-I-552, HH-I-562, ASTM C 547-67 and MIL-I-22344B.
4. Exposed ductwork within the areas served shall be internally insulated.

K. Ductwork. Ductwork construction shall, as a minimum, conform to NFPA Standard 90-A and the HVAC Duct Manual (HVAC Duct construction Standards, Metal and Flexible, by SMACNA, latest edition). Ducts shall be constructed of galvanized steel unless otherwise specified or shown on the Drawings.
1. Rectangular Ductwork: Ducts shall be constructed and reinforced in accordance with California Mechanical Code.
2. Round and Oval Ductwork: Round ducts shall be constructed in accordance with California Mechanical Code.
3. Hangers and Supports: Rigid round, rectangular and flat oval metal ducts shall be installed with support systems in accordance with California Mechanical Code and SMACNA.
4. Flexible Ductwork: Flexible ductwork shall be of spiral construction composed of a corrosion resistant metal supporting spiral and a coated fabric with a metal or mineral base. Flexible duct connectors shall be listed by UL and shall have a flame spread rating not exceeding 25 and a smoke developed rating not exceeding 50.

L. Ductwork Accessories, Provide the following items:
1. Flexible Connections: 6 inch (150 mm) flexible connections shall be installed between all rigid ductwork or casing and all air handling equipment.
2. Turning Vanes: Turning vanes shall be installed in all mitered duct elbows and where shown on the Drawings. All turning vanes shall be double thickness.
3. Volume Dampers: Volume dampers shall be provided at take off for flex duct and where shown on Drawings. Volume dampers shall be two gauges heavier than the duct in which they are installed and shall be reinforced to prevent vibration and noise.
4. Pressure Gauges: Provide pressure gauges across all filter banks to show differential pressure across filters.
5. Grilles: Provide all grilles for openings as indicated on Drawings. Furnish grilles manufactured by Titus, Krueger, Anemostat or equal.
6. Registers: Provide all registers for openings as indicated on Drawings. Registers shall be Titus, Krueger, Anemostat, Tuttle and Bailey or equal.
7. Diffusers: Provide all diffusers as indicated. Sizes, types, and capacities shall be as shown. Diffusers shall be Titus, Krueger, Anemostat, Tuttle and Bailey or equal.

M. Duct Routing: Duct routing will be carefully coordinated with the structure. Care will be taken to minimize impact on existing and new shear walls.

N. Controls: Provide a complete Energy management system (EMS) capable of monitoring and controlling space temperatures, exhaust fans, condensers, fan coils, A/C units, and motorized dampers for free cooling. The controls system will also optimize energy performance and provide remote monitoring and control of the building.

O. Miscellaneous Systems
1. Provide ductless split systems for Data Rooms.
2. Provide roof mounted centrifugal exhaust fans for toilet rooms, janitor closets and any storage area

- Variable air volume control with ECM motors, or constant pressure control with duct static pressure transmitter.
- Modulating economizer with power exhaust
- Condenser fan ECM motors
- CO2 sensor and controls.

B. At the zone level VAV terminal boxes will modulate the airflow to meet the room temperature setting. As the VAV terminal boxes vary the air volume, the RTU's will modulate the heating or cooling to maintain the discharge air temperature set point. The air will be distributed from the RTU's to the diffusers with an overhead duct air distribution system.

C. Natural ventilation will be analyzed to allow for free cooling and ventilation of the spaces when the outside air conditions allow.

D. Restrooms will be exhausted at a 10 to 12 air changes per hour rate with roof mounted exhaust fans.

E. Electrical, IT, Battery, and EMR rooms will be air conditioned with a split DX cooling units, with outdoor condenser and indoor fan coils with VRF technology.

F. Pipe and Pipe Fittings: Install all piping as specified and as necessary for complete installation of piping within the building, and to the site utility points of connection outside the building wall.

G. Valves: All valves shall be from the same manufacturer as far as possible. Potable water valves shall comply with AB-1953. The acceptable manufacturers are Stockham, Nibco, Hammond, Milwaukee, Kitz, or equal. The following valves are included:
1. Check Valve: Swing type, iron body, bronze mounted.
2. Ball Valves: 2" and smaller, valves shall be non-blowout stem design. Quarter turn of handle shall fully open or close valve. Handle position shall indicate whether valve is open or closed. Handle stops shall be a permanent, integral part of the body.

H. Piping Specialties: The following items are included:
1. Unions: All unions shall be malleable, iron screwed, with brass to iron ground joints. Dissimilar metals shall be separated by screwed or soldered dielectric unions.
2. Test Plugs. Provide ¼" or 2" NPT test plugs of solid brass at the locations shown on the Drawings. Plugs shall be capable of receiving either a temperature probe or pressure probe 1/8-inch O.D.
3. Mechanical Identification. Pipe coding shall consist of plastic pipe markers, flexible, semi-rigid plastic performed to fit around pipe or pipe covering. Valves shall consist of metal tags with stamped letters, aluminum, brass, or steel. Equipment shall have plastic name plates with engraved black letters on light background, ductwork will have plastic nameplates stenciled painting. Identification shall conform to ANSI/ASME A13.1.

I. Pipe Hangers and Supports: All hangers, supports, anchors, and guides shall be in accordance with the American Standard Code for Pressure Piping ANSI B, and the California Building Code.

J. Insulation: All ducts, pipes and equipment shall be insulated per CCR Title 24 requirements. The type of material required for the insulation of all mechanical equipment is as follows:
1. All insulation shall have composite (insulation, jacket or facing, and adhesive used to adhere the facing or jacket to the insulation) fire and smoke hazard ratings as tested by procedure ASTM E 84, NFPA 255, and UL 723 not exceeding:

S&K ENGINEERS
BASIS OF DESIGN

DIVISION 23 - MECHANICAL

General

A. This division describes the HVAC design guidelines for the Hollywood Recreation Center in Los Angeles, CA. The intent of this document is to recommend standards and design approaches subject to review by the City.
B. Building Envelope Design; meet /exceed Title 24 Zone 9 requirements for insulation values for exterior walls, roof, and glass type.
a) Roof min. U-Value of 0.041
b) Wall min. U-Value of 0.061
c) Glass min. U-Value of 0.36 and max. RHGC of 0.25
d) Kalwall min. U-Value of 0.29 and max RHGC of 0.25

C. Quality Assurance
1) General Requirements. Installation of all items shall be performed in strict accordance with all codes and regulations set forth by State, Local, and Federal authorities.
2) Requirements of Regulatory Agencies:
a. Codes and Ordinances.
1) All Work shall meet the requirements of local codes, ordinances, and utility companies except adhere to the Contract Documents when more strict requirements are specified.
2) Codes which govern mechanical Work in this Project are as follows:
a) California Administrative Code, Title 24, Part 1, 2019 Edition
b) California Building Code, Title 24, Part 2, 2019 Edition
c) California Electric Code, Title 24, Part 3, 2019 Edition
d) California Mechanical Code, Title 24, Part 4, 2019 Edition
e) California Plumbing Code, Title 24, Part 5, 2019 Edition
f) California Code of Regulations, Title 24, Part 8, 2019 Edition
g) California Fire Code, Title 24, Part 9, 2019 Edition
h) California Green Building Standard Code, Title 24, Part 11, 2019 Edition

Systems and Materials

A. The new building air conditioning system consists of four packaged heat pump units (RTU) of the highest efficiencies located on the roof. There is no gas available for this project so all air conditioning will be electric. The list of RTU's is as follows;
- RTU-1 & 2 each is a 20 ton heat eat pump unit. Both units provide 40 tonnage serving the Gymnasium.
- RTU-3 is a 16 ton heat pump unit serving the West Office building.
- RTU-4 is a 12 ton heat pump unit serving the East Office building.

Each RTU has the following features:

K. Emergency Power System: Power for emergency egress lighting will be provided by lighting inverter, Myers or equal.
L. Lighting shall be between 3500K to 4000k for interior lighting and 4000K standard for outdoor pole lighting.

END OF DIVISION

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ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:
TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: BASIS OF DESIGN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO.
E1908203
PLAN FILE NO.
DRAWING NO.
G010
SHEET OF SHEETS

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 11/01/22
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

C. Piping Specialties: The following items are included:
1. Air Vents. Automatic Air vents shall be installed on the potable hot water system.
2. Strainers Furnish "Y" type strainers throughout the job unless specifically noted otherwise.
3. Unions: All unions shall be malleable, iron screwed, with brass to iron ground joints. Dissimilar metals shall be separated by screwed or soldered dielectric unions.
4. Pressure Gauges. Liquid filled with white dial and black scale, size 6 inch (150 mm) dial.
5. Thermometers. Provide thermometers of the separable socket type, 9 inch (230 mm) scale, adjustable angle, red reading mercury.
6. Test Plugs. Provide test plugs of solid brass at the locations shown on the drawings.
7. Plumbing Identification. Pipe coding shall consist of plastic pipe markers, flexible, semi-rigid plastic to fit around pipe or pipe covering. Valves shall consist of metal tags with stamped letters, aluminum, brass, or steel. Equipment shall have plastic name plates with engraved black letters on light background, ductwork will have plastic nameplates.

D. Pipe Hangers and Supports: All hangers, supports, anchors, and guides shall be in accordance with the American Standard Code for Pressure Piping ANSI B, OPA pre-approved system accepted by the city and the California Building Code.

E. Insulation: All pipes and equipment shall be insulated per the California Building Code, Title 24, Part 1, Volume 1, Section 719 requirements. The type of material required for the insulation of all plumbing pipes is as follows:
1. All insulation shall have composite (insulation, jacket or facing, and adhesive used to adhere the facing or jacket to the insulation) fire and smoke hazard ratings as tested by procedure ASTM E 84, NFPA 255, and UL 723 not exceeding:
Flame spread 25
Smoke Developed 50
2. Accessories such as adhesives, mastics, cements, tapes etc. for fittings shall have the same component rating as listed above.

F. Plumbing Fixtures
1. General: Furnish and install all domestic water sense labeled fixtures, trim, drains, floor sinks (receptors), hose bibbs, fixture supports, and related items indicated or in the specifications herein and as shown on the drawings. All faucets and supplies to comply with AB-1953.
2. Floor mounted water closets shall be equipped with max. 1.28 GPF sensor operated flush valves. Urinals shall have 0.125 GPF sensor operated flush valves. Wall hung lavatories shall be equipped with sensor operated faucets with 0.35 GPF flow controls. Counter mounted sinks shall be equipped with gooseneck spout, lever handles and 1.5 GPM flow controls. Drinking fountains to be provided with dual height bowls and chiller.
a. All fixtures, including trim, identified as being for use by the disabled shall conform in construction and installation with the requirements of the ADA.
3. Plumbing Fixtures
a. Where available, fixtures shall be the product of one manufacturer.
b. All fixtures shall be drilled or punched for the specified trim.
c. All china and enameled cast iron fixtures shall be white.
d. Acceptable Manufacturers:
1) China and Enameled Cast Iron: American-Standard, Kohler, or approved equal.
2) Stainless Steel Fixtures: Just, or approved equal.
3) Drinking Fountains: Haws or approved equal.
4) Hose bibs: Acorn or approved equal
5) Drains: J.R. Smith or approved equal
4. Flush Valves
a. Large diaphragm type with approved vacuum breaker, screwdriver stop and quiet action accessories.

Logo

1. Landscape Irrigation Systems

1.1 The irrigation system includes low-volume drip irrigation, bubblers, rotary spray heads with high-efficiency heads, an ET SMART controller, and new valves and pipe where needed.

1.2 The existing irrigation system will be upgraded to comply with the EPA Water Sense Budget Tool as well as current MWELO and Calgreen standards.

1.3 The ultimate result will be less water use while maintaining the natural character of the landscape. All irrigation work shall be in accordance with the most current standard practice irrigation standards.

S&K ENGINEERS
BASIS OF DESIGN

DIVISION 21 & 22 - FIRE PROTECTION & PLUMBING

General

A. This division describes the Plumbing and Fire protection design guidelines for the Hollywood Recreation Center in Los Angeles, CA. The intent of this document is to recommend standards and design approaches subject to review by the City.

B. Quality Assurance
1. General Requirements. Installation of all items shall be performed in strict accordance with all codes and regulations set forth by State, Local, and Federal authorities.
2. Requirements of Regulatory Agencies:
a. Codes, Ordinances and Standards.
1) All Work shall meet the requirements of local codes, ordinances, standards and utility companies except adhere to the Contract Documents when more strict requirements are specified.
2) Codes which govern plumbing and fire protection Work in this Project are as follows:
a) California Administrative Code, Title 24, Part 1, 2019 Edition
b) California Building Code, Title 24, Part 2, 2019 Edition
c) California Electric Code, Title 24, Part 3, 2019 Edition
d) California Mechanical Code, Title 24, Part 4, 2019 Edition
e) California Plumbing Code, Title 24, Part 5, 2019 Edition
f) California Energy Code, Title 24, Part 6, 2019
g) California Code of Regulations, Title 24, Part 8, 2019 Edition
h) California Fire Code, Title 24, Part 9, 2019 Edition

Systems and Materials

A. Pipe and Pipe Fittings: Install all piping as specified and as necessary for complete installation of piping within the building, and to the site utility points of connection outside the building wall.
1. Domestic and non-potable water shall be type L copper water tube for water inside the building and type K for below grade and outside the building. Fittings shall be wrought copper soldered joints. Below grade bare pipe and fittings are to be brazed and wrapped. Below grade hot water pipe and fittings to be a pre-insulated and jacketed piping system with brazed joints.
2. Sanitary soil, waste and vent, and storm drain piping shall be hub less cast iron above and below grade. Below grade piping to be wrapped. Couplings shall have heavy duty stainless steel clamp assemblies on waste and storm piping. Cleanouts shall be provided per code.
3. Condensate piping shall be type M copper tube with soldered joints.

B. Valves: All valves shall be from the same manufacturer as much as possible. Except for industrial water valves, potable water valves shall comply with AB-1953. The acceptable manufacturers are Nibco, Apollo, Milwaukee A.Y MC Donald, Rockwell-Nordstrom or approved equal. The following valves are included:
1. Check Valve: Swing type, iron body, bronze mounted.
2. Ball Valves: 2" and smaller; Valves shall be bronze, full port, 2 piece design. Quarter turn of handle shall fully open or close valve. Handle position shall indicate whether valve is open or closed.
3. Butterfly Valves: 2½" and larger, cast or ductile iron, lug type with aluminum, bronze or ductile iron disc

the amount of water and residual pressure available.
c. Water source and pressure is from the water main in street.
3. Requirements of Regulatory Agencies:
a. The system shall meet all the requirements of the National Fire Protection Association, the State of California Inspection Bureau, the State Fire Marshal, and other applicable codes.
4. System Reference Standards: NFPA 13, 2013 Edition, Installation of Sprinkler Systems.
5. Underwriters Approved Valves: Valves shall be UL listed and designed for a minimum of 175 psig (1200 kpa) non-shock, cold water working pressure.
a. OS&Y or Lug Type Butterfly with Tamper Switch.
b. Check Valves.
c. Globe Valves.
6. Gauges shall be installed where water will not freeze.
7. Sprinkler Heads: Provide UL and FM approved quick response sprinkler heads for the application described, Reliable, Viking, or equal.
8. Alarm Valves: The alarm valve shall be sized in accordance with line size, Reliable, Viking, or equal.
9. Alarm: Provide necessary alarm bell, flow switches and tamper switches at locations shown on the drawings.
10. Check vales by Reliable, Viking, or equal.

END OF DIVISION

requiring exhaust. Exhaust Fans shall be manufactured by Greenheck, Cook, New York Blower, Barry, Penn or equal.

P. Testing and Balancing.
1. Description of Work: Procure the services of an air balance and testing agency, which specializes in the balancing and testing of heating, ventilating, and air conditioning systems, to balance, adjust, and test air moving equipment and air and water distribution systems. Agency shall be certified by Associated Air Balance Council (AABC).
2. Quality Assurance
a. Testing Agency:
1) Qualifications. The air balance agency shall comply with all standards as set forth by the AABC.
2) All Work by this agency shall be done under direct supervision of a qualified heating and ventilating Engineer employed by them. All instruments used by this agency shall be accurately calibrated and maintained in good working order. If requested, the tests shall be conducted in the presence of the Architect, Owner, or their representative.

END OF DIVISION

b. Acceptable Manufacturers: Sloan or approved equal.
5. Faucets
a. Lavatory faucets shall have fixed spouts. Sink faucets shall have swing gooseneck spouts.
b. Acceptable Manufacturers: Chicago or approved equal.
6. Fittings and Trim
a. All fixtures shall be installed complete with all fittings and trim that includes but is not limited to: chrome plated supplies, traps and stops; wall plates or escutcheons; required ADA insulating coverings. Chicago or approved equal.

G. Plumbing Specialties and Accessories:
1. Furnish and install all plumbing specialties and accessories as herein specified, including, but not limited to the following:
a. Automatic Trap Primers
b. Dielectric Isolators
c. Relief Valves
d. Pressure Gauges
e. Thermometers
f. Air Eliminators
g. Strainers
h. Escutcheons
i. Backflow Preventers
j. Access Panels and Doors
k. Test Plugs
l. Water Filters (In-Line Type)
m. Flow Controls
n. Flexible Connectors

H. Plumbing Equipment
1. Heat Pump Water Heater
a. Commercial tank type.
b. Acceptable Manufacturers: A.O Smith or approved equal.
2. Domestic Hot Water Circulating Pump
a. Bronze, in-line, oil lubricated with overload protection.
b. Acceptable Manufacturers: Bell & Gossett, Taco or approved equal.

I. Automatic Wet-Pipe Sprinkler System
1. Description of Work:
a. Provide a wet pipe sprinkler system originating from the fire riser located inside the building.
2. Quality Assurance:
a. Design Criteria:
1) The entire sprinkler system shall be hydraulically designed by Contractor. Those parts of the piping system sized on the drawings are minimums. Calculations shall be based upon the following:
a) Maximum area coverage per sprinkler:
HAZARD SQ. FT.
Ordinary, Group 2 130
b) Minimum rate of water application (density).
Over the most remote 1500 Square Feet.
HAZARD G.P.M./SQ. FT.
Ordinary, Group 2 .20
b. Fire flow test for main serving site shall be obtained from local authorities to determine

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BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:
TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: BASIS OF DESIGN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO.
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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 11/01/22
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

5.7.1 Standard Submittals

5.7.2 Special Submittals, Notifications and Clarifications

5.8 Prefunctional Checklists, Tests and Startup

5.8.1 Start-up Plan

5.8.2 Execution of Checklists and Startup

5.8.3 Sampling Strategy for CxA Observation of Prefunctional Checkout and Startup

5.8.4 Deficiencies and Non-Conformance

5.8.5 Phased Commissioning

5.8.6 TAB

5.8.7 Controls Checkout Plan

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5.9.1 Overview

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5.9.3 Development Process

5.10 Execution of Functional Testing Procedures

5.10.1 Overview and Process

5.10.2 Deficiencies and Retesting

5.10.3 Facility Staff Participation

5.10.4 Phased Testing

5.10.5 Sampling

5.11 O&M Manuals and Warranties

5.11.1 Standard O&M Manuals

5.11.2 Commissioning Record

5.12 Training and Orientation of Owner Personnel

6.0 Summary Report

7.0 Schedule

8.0 Appendixes

Commissioning Plan

Summary

The Commissioning Plan is developed in draft form for the specific project during the design phase. During the design phase, the plan provides direction for the development of the site-specific commissioning specifications. During the construction phase, the plan provides direction for the commissioning tasks during construction. The plan focuses on providing support for the specifications and provides forms for the application of the commissioning process.

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3.0 Construction/Cx Team

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5.7 Initial Submittals and Documentation

Verdical Group

Hollywood Recreation Center

Commissioning Plan

September 8, 2022

Prepared for:

City of Los Angeles Department of Recreation & Parks

221 N. Figueroa Street Suite 350

Los Angeles, CA 90012

Prepared by:

Bobby Almeida, PE, CEM, CBCP

Director of Commissioning

Verdical Group

525 S. Hewitt St.

Los Angeles, CA 90013

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3.0 Construction/Cx Team

Team members will be added as project progresses.

Team Member	Organization	Contact	Email
Owner	City of Los Angeles Department of Recreations & Parks	Cathie M. Santo Domingo	Cathis.santodomingo@lacity.org
Architect	Lehrer Architects LA, Inc.	Erik Alden	erik@lehrerarchitects.com
Mechanical Engineer	AlfaTech Engineers	Nick Kourassis	
Electrical Engineer			
Plumbing Engineer			
General Contractor	TBD		
Renewable Energy Design Builder	TBD		
Mechanical Contractor	TBD		
Test and Balance Contractor	TBD		
Mechanical Controls Contractor	TBD		
Electrical Contractor	TBD		
Plumbing Contractor	TBD		
Landscape Contractor	TBD		
LEED Project Manager	Verdical Group	Ritika Dhamija	ritika.dhamija@verdicalgroup.com
Commissioning Agent	Verdical Group	Bobby Almeida	bobby.almeida@verdicalgroup.com

2.0 General Building Information

The scope for this project is a new construction building at 1122 Cole Ave in Los Angeles, CA. The project consists of approximately 15,300 square feet consisting of a gymnasium, multi-purpose rooms, a lobby, staff offices, staff lounge, and support spaces. The City of Los Angeles Department of Recreation & Parks is the owner of the project. Lehrer is the architect and Alfatech is the mechanical, electrical, and plumbing designer. Verdical Group has been chosen to provide LEED Fundamental and CALGreen commissioning for this project.

An equipment list is shown below. Commissioning items that need to be addressed and that are specific to this project are as follows:

Equipment	Tags	Total Quantity
Mechanical Systems		
Packaged Rooftop Air Conditioning Unit	RTU-1, RTU-2, RTU-3, RTU-4	4
Split System AC	CU/FCU-1, CU/FCU-2, CU/FCU-3, CU/FCU-4	4
Exhaust Fan	EF-1 through EF-12	12
Electrical Systems		
Interior Lighting and Controls	N/A	1
Exterior Lighting and Controls	N/A	1
Lighting Inverter	INV	1
Panelboards	PA, HA, PB, LA, IG	5
Plumbing Systems		
Electric Water Heater	HP-1	1
Circulation Pump	CP-1	1
Landscape Systems		
Landscape Irrigation	N/A	1
Renewable Energy Systems (Future Permit)		
Renewable Energy System	TBD	TBD

1.4 Commissioned Systems

The following marked systems will be commissioned in this project. Refer to Section 6 for additional details. All general references to equipment in this document refer only to equipment that is to be commissioned. Commissioned systems will be tested to verify they comply with the original design intent as indicated in the OPR and BOD. Systems are tested under various modes, such as component failures, heating and cooling modes, unoccupied, fire alarm, power failure, and more. Each functional test form has measurable acceptance criteria that must be met for the equipment to pass. Example test forms are attached at the end of the Commissioning Plan.

Mechanical Systems and Controls

Domestic Hot Water Equipment and Controls

Plumbing Pumps and Controls

Lighting and Lighting Control Systems

Electrical Service and Distribution Equipment

Landscape Irrigation

Renewable Energy Systems (Future Permit)

1.5 Forms

All pre-functional test forms and functional performance testing forms will be customized to the specific pieces of equipment that are being commissioned. Forms will be prepared after commissioning plan is approved and before rough in by subcontractors is complete. Pre-functional testing will include documentation of installation, checkout, start-up, and basic functionality such as verifying a fan rotates in the correct direction. Controls point-to-point checks and calibrations will also be included. Functional testing will include normal operation modes such as heating and cooling for HVAC systems, alarms and failures, equipment interlocks, and any other tests or verifications to help verify that the operation meets the OPR and design intent.

1.6 Commissioning Goals

The goal of the commissioning process is to provide third party verification that the design, construction, installation, and operation of commissioned systems meet the owner's project requirements and design intent. Specifically, the project's commissioning goals include:

1. Carry out the requirements for commissioning activities as specified in the plans and specifications
2. Meet the OPR and BOD requirements
3. Meet the LEED v4 BD+C requirements for Fundamental Commissioning
4. Meet the CALGreen, Title 24-2019, and Los Angeles Green Building Code requirements for commissioning

1.0 Overview

1.1 Abbreviations and Definitions

The following are common abbreviations used in this document. Definitions are found in the Specifications.

A/E – Architect and design engineers
CxA – Commissioning authority
CC – Controls contractor
CM – Construction Manager
Cx – Commissioning
Cx Plan – Commissioning Plan document
EC – Electrical contractor
OPR – Owner's Project Requirements
PFC – Pre-functional Checklist
FPT – Functional performance test
GC – General contractor
MC – Mechanical Contractor
PC – Prefunctional checklist
PM – Project manager
Subs – Subcontractors to General
TAB – Test and balance contractor
BOD – Basis of Design

1.2 Purpose of The Commissioning Plan

The purpose of the construction phase commissioning plan is to:

1. Provide direction for the development of the Cx specifications by A/E or CxA, during the latter part of the design phase.

2. Provide direction for the commissioning process during construction, particularly providing resolution for issues and providing details that cannot be, or were not, fully developed during design, such as scheduling, participation of various parties of this project, actual lines of reporting and approvals, coordination, etc.

This plan does not provide a detailed explanation of required testing procedures. The detailed testing requirements and procedures will be prepared by the CxA. Additionally, this plan does not provide extensive narrative on all commissioning concepts, as may be provided in other commissioning guides.

1.3 Commissioning Scope

Commissioning will follow the LEED v4 BD+C and CALGreen code requirements. Commissioning is a systematic process of ensuring that all building systems perform interactively according to the design intent and the owner's operational needs. This is achieved by beginning in the design phase, documenting the design intent, and continuing through construction, acceptance, and the warranty period with actual verification of performance. Commissioning during the construction of this project is intended to achieve the following specific objectives, according to the Contract Documents, schedule to be determined:

- Review of OPR and BOD and 50/90% construction documents.
- Commissioning Kickoff Meeting.
- Preparation of this Cx Plan.
- Preparation of Pre-functional Checklists.
- Site visits and Issues Log Preparations.
- Functional Performance Testing.
- Review Owner's and Operations Manuals and preparation of Systems Manual.
- Final Cx Report.

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C 12115
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STATE OF CALIFORNIA

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CITY ENGINEER
DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: COMMISIONING PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

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5.5 Miscellaneous Management Protocols
The following protocols will be used on this project.

Issue	Protocol
For requests for information (RFI) or formal documentation requests	The CxA will send request via email to the general contractor.
For minor or verbal information and clarifications	The CxA goes direct to the informed party.
For notifying contractors of deficiencies	The CxA documents deficiencies through the CM and GC, but may discuss deficiency issues with subcontractors prior to notifying the CM or GC.
For scheduling functional tests	The CM or GC will schedule functional testing on dates that work for the CxA and relevant subcontractors, and are after all test prerequisites are complete
For scheduling commissioning meetings	The CxA selects a few dates and times that work. The CM or GC schedules the meeting and invites all necessary subcontractors.
For making a request for significant changes	The CxA has no authority to issue change orders. The CxA will report all findings directly to the owner.

For making small changes in specified sequences of operations: The CxA may make small sequences of operations changes to improve efficiency or control or to correct deficiencies, through the responsible contractor, but shall document the change and provide all changes of specified sequences to the CM, GC, owner, and A/E. The CxA may not make changes to specified sequences without approval from the A/E.

Subcontractors disagreeing with requests or interpretations by the CxA shall: Try and resolve with the CxA first. Then, work through GC who will work with CxA directly or through the CM to resolve the situation. The CxA or GC may also reach out to the A/E or owner for clarification, if necessary.

5.6 Progress Reporting and Logs
As necessary throughout construction the CxA will provide commissioning progress reports. The progress reports contain: an update of the schedule with list of requested schedule changes and new items added to the schedule, a list of new and outstanding deficiencies, a description of commissioning progress corresponding to the plan, etc. The CxA keeps a log of all commissioning-related issues that require current or future action. The CxA regularly communicates with all members of the commissioning team, keeping them apprised of commissioning progress and scheduling issues through memos and issues logs. The CxA will keep all commissioning materials electronically.

5.7 Initial Submittals and Documentation

5.7.1 Standard Submittals
The CxA provides all Subs responsible for commissioned equipment with commissioning documentation requirements for their respective equipment and systems through the GC or CM. This data request typically coincides with the normal A/E submittal process. At minimum, this equipment data includes installation and start-up procedures, O&M data, performance data and control drawings. The CxA reviews and approves submissions relative to commissioning issues expressed in the contract documents, not for general contract compliance (which is the A/E's responsibility), unless specifically directed by the owner to do so.

5.0 Commissioning Process
This section sequentially details the commissioning process by commissioning task or activity. A list of the commissioning process is provided as an attachment to this report.

5.1 Commissioning Scoping Meeting
A commissioning scoping meeting is planned and conducted by the CxA during construction. In attendance are the appropriate representatives of the GC, CM, CxA, A/E and the mechanical, electrical, plumbing, temperature controls, and air balance contractors. At the meeting commissioning parties are introduced and the commissioning process reviewed, management and reporting lines determined. The flow of documents, how much submittal data the CxA will receive, etc. are also discussed. The Cx Plan is reviewed, process questions are addressed, lines of reporting and communications determined, and the work products list discussed. Also covered are the general list of each party's responsibilities, who is responsible to develop the startup plan for each piece of equipment and the proposed commissioning schedule. The outcome of the meeting is increased understanding by all parties of the commissioning process and their respective responsibilities. The meeting provides the CxA additional information needed to finalize the Cx Plan, including the commissioning schedule. Prior to this meeting the CxA is given, by the GC, all drawings and specifications and the construction. The CxA keeps notes from the meeting and distributes them to each team member.

5.2 Final Commissioning Plan
The CxA finalizes the draft Cx Plan using the information gathered from the scoping meeting. The initial commissioning schedule is also developed, and the GC will incorporate commissioning into the overall master schedule. The commissioning schedule is fine-tuned as construction progresses.

5.3 Site Observation
The CxA, and CM, if applicable, makes periodic visits to the site, as necessary, to witness equipment and system installations, start-up, and balancing.

5.4 Miscellaneous Meetings
The CxA attends selected planning and job-site meetings to remain informed on construction progress and to update parties involved in commissioning. The CM and GC provide the CxA with information regarding substitutions, change orders and any Architect's Supplemental Instructions (ASI) that may affect commissioning equipment, systems, or the commissioning schedule. The CxA may review construction meeting minutes, change orders or ASIs for the same purpose. Later during construction, necessary meetings between various commissioning team parties will be scheduled by the CxA, through the GC or CM, as required.

4.0 Roles and Responsibilities

4.1 Locations of Role Descriptions
Descriptions and explanations of the roles and responsibilities of those in the commissioning process are found in the commissioning specifications and below.

4.2 Team Members
The members of the commissioning team consist of the CxA, owner's representative, assigned members of the CM, GC, A/E (particularly the mechanical engineer), the mechanical contractor, electrical contractor, TAB representative, controls contractor, plumbing contractor, and any other installing subcontractors or suppliers of equipment. If known, the Owner's building or plant operator/engineer is also a member of the commissioning team. The CxA's responsibilities, along with all other contractors' commissioning responsibilities are detailed in the specifications. The Specifications will take precedence over this Cx Plan. All members work together to fulfill their contracted responsibilities and meet the objectives of the Contract Documents. Refer to the management protocols section below.

4.3 General Management Plan
The CxA was hired as a subconsultant to the design team. In general, the CxA coordinates commissioning activities with the GC but reports to the owner or owner's representative. All members work together to fulfill their contracted responsibilities and meet the objectives of the Contract Documents. Refer to the management protocols section below.

4.4 General Descriptions of Roles
General descriptions of the commissioning roles are as follows:

CxA: Coordinates the Cx process, writes tests, oversees, and documents performance tests
CM: Facilitates the Cx process. Reviews test plans to provide comments and signs off on performance. If there is not a designated CM on the project the GC will fill this role.
GC: Facilitates the Cx process, ensures that subcontractors perform their responsibilities and integrates Cx into the construction process and schedule
Subs: Demonstrate proper system performance
A/E: Perform construction observation, approve O&M manuals, and assist in resolving problems
PM: Facilitates and supports the Cx process and gives final approval of the Cx work
Mfr.: The equipment manufacturers and vendors provide documentation, such as submittals, to facilitate the commissioning work and perform contracted startup

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form. Deficiencies or non-conformance issues are noted and reported to the CM, GC, and owner. Subs correct deficiencies and notify the CxA of any changes that were made to correct the deficiency. The CxA schedules retesting through the CM or GC, if necessary. Decisions regarding deficiencies and corrections are made at as low a level as possible, preferably between CxA or CM and the Sub. For area in dispute, final authority, besides the Owner's, resides with the A/E. The CxA recommends acceptance of each test to the CM and owner.

5.10.3 Facility Staff Participation
The Owner's facilities operating staff are encouraged to attend and participate in the testing process. The CxA will notify the will then notify the facility staff when the commissioning events will occur.

5.10.4 Phased Testing
Not used on this project.

5.10.5 Sampling
Sampling will be done in accordance with ASHRAE Guideline 0. Sampling will not be done for any system or component with fewer than 10 of the same item.

5.11 O&M Manuals and Warranties

5.11.1 Standard O&M Manuals
The CxA reviews the O&M manuals, documentation and redlines as-builts for systems that were commissioned to verify compliance with the Specifications. The CxA recommends approval and acceptance of these sections of the O&M manuals to the CM.

5.11.2 Commissioning Record
The CxA will compile, organize, and index the following commissioning data by equipment and trade and deliver a Final Commissioning Report to the Owner, included with a Systems Manual.

5.12 Training and Orientation of Owner Personnel
The CxA will review all scheduling, materials, and training of owner's personnel by the contractor.

5.9.1 Overview
Functional testing is the dynamic testing of systems (rather than just components) under full operation (e.g., the chiller pump is tested interactively with the chiller functions to see if the pump ramps up and down to maintain the differential pressure set point). Systems are tested under various modes, such as during low cooling or heating loads, high loads, component failures, unoccupied setpoints, varying outside air temperatures, fire alarm, power failure, etc. The systems are run through all the control system's sequences of operation and components are verified to be responding as the sequences state. The commissioning authority develops the functional test procedures in a sequential written form, coordinates, oversees and documents the actual testing, which is usually performed by the installing contractor or vendor.

5.9.2 Scope of Testing
The Specifications provide specific functional testing scope for each piece of commissioned equipment. If specific testing requirements were not included in the bid documents and original specifications, they should be developed for this project for each piece of commissioned equipment.

5.9.3 Development Process
Before test procedures are written, the CxA obtains all requested documentation and a current list of change orders affecting equipment or systems, including an updated points list, control sequences and set points. The CxA develops specific test procedures to verify proper operation of each piece of equipment and system, using the testing requirements in the Specifications. The CxA obtains clarification, as needed, from contractors and the A/E regarding sequences and operation to develop these tests.

Functional testing and verification may be achieved by manual testing (persons manipulate the equipment and observe performance) or by monitoring the performance and analyzing the results using the control system's trend log capabilities or by stand-alone data loggers. The CxA follows the Specifications when given and uses judgment where needed to determine which method is most appropriate. According to the Specifications, not all pieces of identical equipment receive in-depth testing. The CxA reviews owner-contracted, factory or required owner acceptance tests and determines what further testing may be required to comply with the Specifications. Redundancy is minimized

5.10 Execution of Functional Testing Procedures

5.10.1 Overview and Process
The CxA schedules functional tests through the CM, GC and affected Subs. For any given system, prior to performing functional testing, the CxA waits until the prefunctional checklist has been submitted with the necessary signatures, confirming that the system is ready for functional testing. The CxA oversees, witnesses, and documents the functional testing of all equipment and systems according to the Specifications and the Cx Plan. The Subs execute the tests. The control system is tested before it is used to verify performance of other components or systems. The air balancing and water balancing is completed and debugged before functional testing of air-related or water-related equipment or systems. Testing proceeds from components to subsystems to systems and finally to interlocks and connections between systems. Refer to Section 6 for details on functional testing scope.

5.10.2 Deficiencies and Retesting
The CxA documents the results of the test. Corrections of minor deficiencies identified are made during the tests at the discretion of the CxA. The CxA records the results of the test on the procedure or test

manufacturer field checkout sheets, as they are completed. Only individuals having direct knowledge of a line item being completed shall check or initial the forms.

The Subs and vendors execute the checklists and tests and submit a signed copy of the completed start-up and prefunctional tests and checklists to the CxA. Further details are found in the Specifications. The CxA may review prefunctional checklists in progress, as necessary. On smaller equipment or projects, the checklists (which all contain more than one trade's responsibility), may be passed around to the Subs to fill out. For larger projects, each trade may need a full form and the CxA will consolidate them later.

5.8.3 Sampling Strategy for CxA Observation of Prefunctional Checkout and Startup
The CxA may witness startup and PFC checklist completion.

5.8.4 Deficiencies and Non-Conformance
The Subs clearly list any outstanding items of the initial start-up and prefunctional procedures that were not completed successfully at the bottom of the procedures form or on an attached sheet. The procedures form and deficiencies are provided to the CxA within two days of test completion. The CxA works with the Subs and vendors to correct and retest deficiencies or uncompleted items, involving the CM and others as necessary. The installing Subs or vendors correct all areas that are deficient or incomplete according to the checklists and tests. The CxA recommends approval of the startup and initial checkout of each system.

5.8.5 Phased Commissioning
Phased commissioning will be implemented if the project is completed in phases or if otherwise directed by the owner.

5.8.6 TAB
The TAB contractor submits the outline of the TAB plan and approach to the CxA and the controls contractor eight weeks prior to starting the TAB. Included in the approach, is an explanation of the intended use of the building control system. The CxA reviews the plan and approach for understanding and coordination issues and may comment, but does not "approve." The controls contractor reviews the feasibility of using the building control system for assistance in the TAB work. The TAB submits weekly written reports of discrepancies, contract interpretation requests and lists of completed tests to the CxA and CM. This facilitates quicker resolution of problems and will result in a more complete TAB before functional testing begins. A checklist form for reviewing the TAB plan is provided as one of the prefunctional checklists. TAB work will not begin until the control system has been prefunctionally tested and selective functional tests have been performed and approved by the CxA.

5.8.7 Controls Checkout Plan
The controls contractor develops and submits a written step-by-step plan to the CxA which describes the process they intend to follow in checking out the control system and the forms on which they will document the process. The controls contractor will also meet with the TAB contractor prior to the start of TAB and review the TAB plan to determine the capabilities of the control system for use in TAB. The controls contractor will provide the TAB with any necessary unique instruments for setting terminal unit boxes and instruct TAB in their use (handheld control system interface for use around the building during TAB, etc.). The controls contractor shall also provide a technician qualified to operate the controls to assist the TAB contractor in performing TAB.

All CxA-required controls prefunctional checklists, calibrations, start-up and selected functional tests of the system shall be completed and approved by the CxA prior to TAB. The controls contractor shall execute the tests and trend logs assigned to them and remain on site for assistance for mechanical system functional tests as specified in the same sections.

5.9 Development of Functional Test and Verification Procedures

5.7.2 Special Submittals, Notifications and Clarifications
The Subs, GC or A/E notify the CxA of any new design intent or operating parameter changes, added control strategies and sequences of operation, or other change orders that may affect commissioned systems. The controls contractor provides the CxA a full points list with details requested by the CxA. Thirty (30) days prior to performing tests, such as hydrostatic pressure testing, the Subs provide the CxA full details of the procedures. As the phases of the TAB are completed, the draft TAB report is provided to the CxA with full explanations of approach, methods, results, data table legends, etc. The final TAB report is provided to the CxA upon completion. These submittals to the CxA do not constitute compliance for submittals for the O&M manuals. Documentation requirements for the O&M manuals are discussed in Section 5.11, herein. The CxA may request additional design narrative from the A/E and from the controls contractor depending on how complete the documentation was which was provided with the bid documents. The CxA may submit written RFIs to contractors through the GC or CM, or address them directly for clarifications, as needed.

5.8 Prefunctional Checklists, Tests and Startup
Prefunctional checklists (PFC) are important to ensure that the equipment and systems are hooked up and operational and that functional performance testing may proceed without unnecessary delays. Each piece of equipment receives full prefunctional checkout by the Contractor, including a controls point-to-point checkout and calibration of all sensors. No sampling strategies are used. In general, the prefunctional testing for a given system must be successfully completed prior to formal functional performance testing of equipment or subsystems of the given system.

PFCs are provided by the CxA, but the GC or subcontractors may request to use their own. If using their own, the GC or subcontractors must submit blank checklists for the CxA to review and comment on prior to any forms being completed. Review of prefunctional checklists will be done with the contractors prior to be being filled out and returned to the commissioning agent.

Prefunctional checklists are primarily static inspections and procedures to prepare the equipment or system for initial operation (e.g., oil levels OK, fan belt tension, labels affixed, gauges in place, sensor calibration, etc.). However, some prefunctional checklist items entail simple testing of the function of a component, a piece of equipment or system (such as measuring the voltage imbalance on a three-phase pump motor of a chiller system). The word prefunctional refers to before functional testing. Prefunctional checklists augment and are combined with the manufacturer's start-up checklist.

Contractors typically already perform some, if not many, of the prefunctional checklist items the commissioning authority will recommend. However, few contractors document in writing the execution of these checklist items. This project requires that the procedures be documented in writing by the installing technician. The CxA does not witness much of the prefunctional checklist completion, except for testing of larger or more critical pieces of equipment and some spot-checking.

5.8.1 Start-up Plan
The CxA can assist the commissioning team members responsible for startup in developing detailed start-up plans for all equipment. The parties responsible for each part of startup and initial checkout are identified in and on the prefunctional checklists.

5.8.2 Execution of Checklists and Startup
One week prior to startup, the Subs and vendors schedule startup and initial checkout with the CM, GC and CxA. The startup and initial checkout are directed and executed by the Sub or vendor. The CxA, and CM if necessary, observes, at minimum, the procedures for each piece of primary equipment, unless there are multiple units, when a sampling strategy is used. For components of equipment, (e.g., VAV boxes), the CxA observes a sampling of the prefunctional and start-up procedures. To document the process of startup and checkout, the site technician performing the line-item task initials and dates each paragraph of procedures on the functional performance test forms and checks off items on the prefunctional and

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ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: COMMISIONING PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

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8.0 Appendix

The Commissioning Plan appendix includes example prefunctional checklists (PFCs) and example functional performance tests (FPTs). All checklists and tests will be tailored to the project during construction phase, incorporating the project specific sequence of operations (SOO).

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7.0 Schedule

The following sequential priorities are followed:

1. Equipment is not "temporarily" started (for heating or cooling), until pre-start checklist items and all manufacturer's pre-start procedures are completed and moisture, dust and other environmental and building integrity issues have been addressed. Equipment should not be started up on temporary power if it will void the warranty.
2. Functional testing is not begun until pre-functional, start-up, and TAB are completed, for a given system (this does not preclude a phased approach).
3. The controls system and equipment it controls are not functionally tested until all points have been calibrated and pre-functional testing completed.
4. TAB is not performed until the controls system has been sufficiently checked out and is ready for balancing.
5. TAB is not performed until the envelope is completely enclosed and ceiling complete unless the return is ducted.
6. Functional performance testing cannot occur on the same day as fire alarm testing or any other testing that will interfere with the systems being commissioned.

A summary of the schedule for major commissioning milestones is below:

Commissioning Activity	Date
Design Phase Kickoff Meeting	9/14/20
Review OPR	9/8/22
Review BOD	7/20/21
Review CDs	9/8/22
Commissioning Plan First Draft	9/8/22
Construction Phase Kickoff Meeting	TBD
Prepare Prefunctional Checklists	TBD
Prepare Functional Performance Test Scripts	TBD
Review Prefunctional Checklists and TAB	TBD
Conduct Functional Performance Testing	TBD
Commissioning Report First Draft	TBD

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6.0 Summary Report

The summary commissioning report shall include an executive summary, list of participants and roles, brief building description, overview of commissioning and testing scope and a general description of testing and verification methods. For each piece of commissioned equipment, the report should contain the disposition of the commissioning authority regarding the adequacy of the equipment, documentation and training meeting the contract documents in the following areas: 1) Installation, including equipment meeting the equipment specifications, 2) Functional performance and efficiency, 3) Equipment O&M manual documentation, and 4) Operator training. All outstanding non-compliance items shall be specifically listed. Recommendations for improvement to equipment or operations, future actions, commissioning process changes, etc. shall also be listed. Each non-compliance issue shall be referenced to the specific functional test, inspection, trend log, etc. where the deficiency is documented. The functional performance and efficiency section for each piece of equipment shall include a brief description of the verification method used (manual testing, BAS trend logs, data loggers, etc.) and include observations and conclusions from the testing.

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TED ALLEN, P.E.

CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

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GENERAL MANAGER: NEIL DRUCKER

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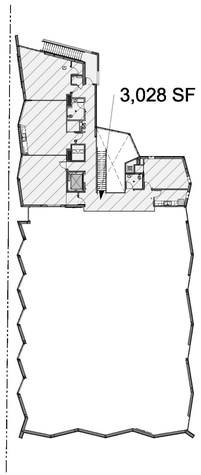
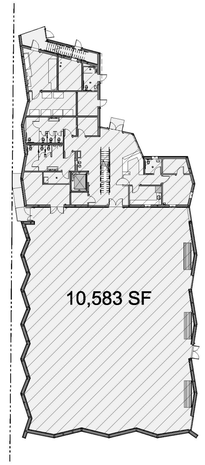
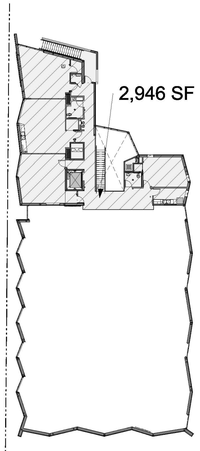


1/32" = 1'-0" 2ND FLOOR AREA ANALYSIS BUILDING CODE 6



1/32" = 1'-0" GROUND FLOOR AREA ANALYSIS BUILDING CODE AREA 5

LADBS APPROVAL STAMP



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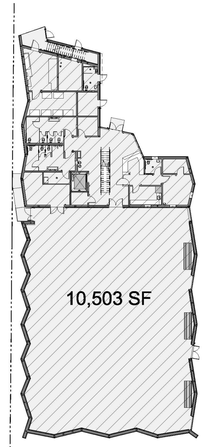
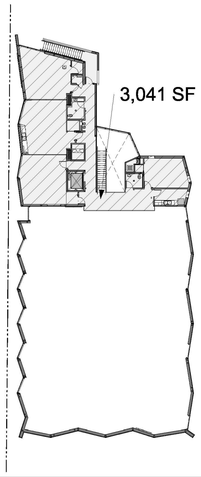
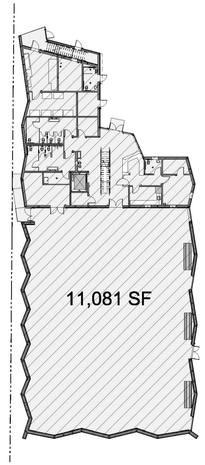


1/32" = 1'-0" GROUND FLOOR AREA ANALYSIS ZONING CODE 4



1/32" = 1'-0" 2ND FLOOR AREA ANALYSIS SCHOOL FEE AREA 2

BUREAU OF ENGINEERING
OFFICIAL RECORD



1/32" = 1'-0" GROUND FLOOR AREA ANALYSIS SCHOOL FEE AREA 1

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 01/23/24
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: BUILDING, ZONING, & SCHOOL FEE BUILDING AREA DIAGRAMS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. G015
SHEET OF SHEETS

PLOTTED:9/25/2024 2:51:49 PM

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE GRADING ORDINANCE AND REGULATIONS OF THE CALIFORNIA BUILDING CODE, LATEST EDITION AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
2. AN APPROVED SET OF PLANS SHALL BE ON THE JOB AT ALL TIMES.
3. NO WORK SHALL BE STARTED WITHOUT FIRST NOTIFYING THE DEPARTMENT OF BUILDING & SAFETY.
4. PRIOR TO COMMENCING ANY SITE CLEARANCE OR GRADING, THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT WATER METER FROM THE CITY OF LOS ANGELES AND THE METER SHALL BE USED AT ALL TIMES WHEN WATER IS BEING OBTAINED FROM A CITY OF LOS ANGELES FIRE HYDRANT.
5. EXISTING CITY STREETS SHALL BE KEPT CLEAN OF ALL MATERIALS RESULTING FROM THE GRADING OPERATIONS. THE STREET RIGHT OF WAY SHALL BE CLEANED UP DAILY, AS NECESSARY, TO MAINTAIN SAFE PEDESTRIAN AND VEHICULAR PASSAGE AT ALL TIMES.
6. THE PERMITTEE OR HIS AGENT SHALL NOTIFY THE DEPARTMENT OF BUILDING & SAFETY AT LEAST 24 HOURS BEFORE THE GRADING OPERATION IS READY FOR EACH OF THE FOLLOWING:
   A. PREGRADING MEETING: WHEN THE PERMITTEE IS READY TO BEGIN WORK AND BEFORE ANY GRADING IS STARTED. THE FOLLOWING PEOPLE MUST BE PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, GEOLOGIST & BUILDING INSPECTOR.
   B. TOE INSPECTION: AFTER THE NATURAL GROUND IS EXPOSED AND PREPARED TO RECEIVE FILL AND BEFORE ANY FILL IS PLACED.
   C. FILL INSPECTION: AFTER THE AREA TO RECEIVE FILL HAS BEEN PREPARED AND INSPECTED BY THE SOILS ENGINEER.
   D. ROUGH GRADING: WHEN ALL ROUGH GRADING HAS BEEN COMPLETED.
   E. FINAL INSPECTION: WHEN ALL WORK, INCLUDING INSTALLATION OF ALL DRAINAGE STRUCTURES AND OTHER PROTECTIVE DEVICES, HAS BEEN COMPLETED.

   THE PERMITTEE SHALL WAIT FOR APPROVAL BY THE INSPECTOR BEFORE PROCEEDING WITH THE WORK.
7. SUFFICIENT TESTS OF SOILS PROPERTIES, INCLUDING SOIL TYPES AND SHEAR STRENGTH, SHALL BE MADE DURING GRADING OPERATIONS TO VERIFY COMPLIANCE WITH DESIGN CRITERIA. THE RESULTS OF SUCH TESTING SHALL BE FURNISHED TO THE DEPARTMENT OF PUBLIC WORKS UPON COMPLETION OF GRADING OPERATIONS, OR WHEN NECESSITATED BY FIELD CONDITIONS UPON REQUEST OF THE DEPARTMENT OF BUILDING & SAFETY.
8. THE GRADING CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT VERIFYING THAT WORK DONE UNDER HIS DIRECTION WAS PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND REQUIREMENTS OF CHAPTER 70 OF THE CITY OF LOS ANGELES BUILDING CODE OR DESCRIBING ALL VARIANCES FROM THE APPROVED PLANS AND REQUIREMENTS OF THE CODE.
9. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPLACE ANY BROKEN OR DAMAGED UTILITY LINES, BOXES, VALVES, ETC. NOT SPECIFIED TO BE REMOVED. ANY CHANGES TO SAID EXISTING UTILITIES SHALL BE REPLACED IN PROPER WORKING CONDITION AT THE SOLE EXPENSE OF THE CONTRACTOR.
10. DUST SHALL BE CONTROLLED BY WATERING.
11. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE FROM BEGINNING TO COMPLETION OF GRADING OPERATIONS.
12. ALL GRADING SHALL CONFORM TO THE RECOMMENDATIONS IN THE APPROVED GEOTECHNICAL REPORT.
13. THE CONTRACTOR SHALL INCORPORATE EROSION MEASURES WHEN DEEMED NECESSARY BY THE BUILDING OFFICIAL OR HIS APPROVED OR DESIGNATED REPRESENTATIVE. SEPARATE PLANS FOR TEMPORARY DRAINAGE AND EROSION CONTROL MEASURES TO BE USED DURING THE RAINY SEASON WILL BE SUBMITTED. THE CONTROL DEVISES, SHOWN ON SAID PLANS, WILL BE INSTALLED AND MAINTAINED IN OPERABLE CONDITION YEAR ROUND.
14. NO ROCK OR SIMILAR MATERIAL GREATER THAN 3" IN GREATEST DIMENSION WILL BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOILS ENGINEER IN ADVANCE AND APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
15. CONTINUOUS INSPECTION BY THE SOILS ENGINEER OR HIS RESPONSIBLE REPRESENTATIVE WILL BE PROVIDED DURING ALL FILL PLACEMENT AND COMPACTION OPERATIONS.
16. ALL TRENCH BACKFILLS SHALL BE TESTED AND CERTIFIED BY THE SOILS ENGINEER.
17. THE DESIGN CIVIL ENGINEER SHALL EXERCISE SUFFICIENT SUPERVISORY CONTROL DURING GRADING AND CONSTRUCTION TO INSURE COMPLIANCE WITH THE PLANS, SPECIFICATIONS, AND CODE WITHIN HIS PURVIEW.
18. ANY REVISIONS MADE IN THE APPROVED GRADING AS SHOWN ON THE GRADING PLAN MUST BE SPECIFICALLY APPROVED BY THE BUILDING OFFICIAL OR HIS DESIGNATED REPRESENTATIVE.
19. CUBIC YARDS OF CUT: 169 CUBIC YARDS OF FILL: 60
20. ALL GRADED SLOPES SHALL BE PLANTED AND SPRINKLER. SEC. 7012.1.
21. RETAINING WALLS LOCATED CLOSER TO THE PROPERTY LINE THAN THE HEIGHT OF THE WALL SHALL BE BACKFILLED NOT LATER THAN 10 DAYS AFTER CONSTRUCTION OF THE WALL AND NECESSARY STRUCTURAL SUPPORTING MEMBERS UNLESS RECOMMENDED OTHERWISE BY RESPONSIBLE ENGINEER.
22. THE UNDERSIGNED CIVIL ENGINEER CERTIFIES THAT THIS GRADING WORK WILL BE SUPERVISED IN ACCORDANCE WITH APPENDIX J OF THE CITY OF LOS ANGELES BUILDING CODE.

NAME Barbara L Hall R.C.E. 42206 DATE 10/4/2023

~~23. THIS PLAN HAS BEEN REVIEWED AND CONFORMS TO RECOMMENDATIONS OF SOILS ENGINEERING/GEOLOGIC REPORTS DATED MARCH 25, 2020 BY CITY OF LOS ANGELES, GEOTECHNICAL ENGINEERING DIVISION W.O. NO. E1908203 FILE NO. 19-113 AND SUPPLEMENTAL REPORT NO. 2 DATED DECEMBER 8, 2022~~

~~NAME R.C.E. DATE~~

24. "GENERAL SPECIFICATIONS FOR ALL GRADING PLANS" – DEPARTMENT BUILDING AND SAFETY FORM B-164 IS A PART OF THE PLANS.
25. STANDARD 12 INCH HIGH BERM IS REQUIRED AT TOP OF ALL GRADED SLOPES. SEC. 7013.3.
26. ALL EXCAVATION BOTTOMS SHALL BE OBSERVED BY A REGISTERED DEPUTY GRADING INSPECTOR AND APPROVED BY THE LADBS, GRADING INSPECTOR PRIOR TO FILL PLACEMENT.
27. A REGISTERED DEPUTY GRADING INSPECTOR IS REQUIRED ON ALL SHORING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ANY SHORING REQUIRED FOR THE WORK AND OBTAIN APPROVAL FROM THE AGENCY WITH JURISDICTION.
28. TEMPORARY EROSION CONTROL TO BE INSTALLED BETWEEN OCTOBER 1 AND APRIL 15. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES. [>200 CY] (7007.1)

EXCAVATION NOTES

1. CONTRACTOR TO PROVIDE PROTECTIVE MEASURES ALONG THE WALKWAY ROW ADJACENT TO TEMPORARY EXCAVATIONS.
2. IF ANY ADJACENT ROW STRUCTURES AND SUB-STRUCTURES ARE DAMAGED DUE TO THE UN-RETAINED EXCAVATIONS FROM THE TEMPORARY EXCAVATIONS, THE DEVELOPER, OWNER AND/OR CONTRACTOR WILL BE RESPONSIBLE FOR ALL REPAIRS AT NO COST TO THE CITY OF LOS ANGELES.
3. STOCKPILING OF EXCAVATED MATERIAL SHALL NOT BE ALLOWED ADJACENT TO OPEN EXCAVATIONS.

ENGINEER'S NOTICE TO CONTRACTOR

1. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS. WHETHER OR NOT RESULTING THEY ARE SHOWN ON THE PLANS.
2. THE ESTIMATE OF CUT AND FILL VOLUMES WAS MADE BASED ON THE DIFFERENCE BETWEEN THE DESIGN FINISH GRADES AND THE EXISTING FINISH GRADE FROM THE TOPOGRAPHIC SURVEY. NO ALLOWANCE HAS BEEN MADE FOR FINISH PAVING THICKNESS OR IMPORT OF PLANTING SOIL OR SOIL AMENDMENTS FOR PLANTING AREAS. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN ESTIMATE OF GRADING QUANTITIES, INCLUDING ALLOWANCES FOR PAVING THICKNESS OR IMPORT OF PLANTER SOIL OR SOIL AMENDMENTS.
3. UTILITY LINE LOCATIONS WERE TAKEN FROM RECORD AND WERE NOT LOCATED IN THE FIELD, UNLESS OTHERWISE NOTED ON THE PLAN. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES AND REPORT ANY DISCREPANCIES.
4. ALL WORK SHALL CONFORM TO THE PROVISIONS OF CONSTRUCTION SAFETY ORDERS ISSUED BY THE STATE DIVISION OF INDUSTRIAL COVERED BY SECTION 6424 OF THE CALIFORNIA LABOR CODE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STATE DIVISION OF INDUSTRIAL SAFETY.
5. CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL OBTAIN APPROVAL FROM CITY OF LOS ANGELES DEPARTMENT OF RECREATION AND PARKS (RAP) ARBORIST FOR ANY TREE REMOVAL BEYOND THE SCOPE OF THIS PROJECT'S CONTRACT DOCUMENTS. A RAP ARBORIST CAN BE CONTACTED AT 213-425-7390. CONTRACTOR SHALL INFORM PROJECT CONSTRUCTION MANAGER IF THIS NUMBER IS NOT WORKING TO RECEIVE A NEW TELEPHONE NUMBER.
6. CONTRACTOR SHALL BE RESPONSIBLE TO WATER ALL TREES LOCATED WITHIN THE CONSTRUCTION SITE LIMIT ON A DAILY BASIS. ANY TREES DETERMINED BY RAP ARBORIST TO SUFFER DISTRESS DUE TO LACK OF WATER AND/OR COMPACTION OF SOIL AROUND ITS ROOTS AND ARE DEEMED NON-RECOVERABLE BY A RAP ARBORIST WILL BE REQUIRED TO BE MITIGATED USING A TREE MITIGATION PLAN DETERMINED BY A RAP ARBORIST AND THE CONTRACTOR SHALL IMPLEMENT AND EXECUTE SAID TREE MITIGATION PLAN AT HIS OR HER OWN EXPENSE.
7. CONTRACTOR SHALL BE RESPONSIBLE TO DESIGN AND OBTAIN ITS OWN WORK SITE TRAFFIC CONTROL PLAN THAT IS PERMITTED BY CITY OF LOS ANGELES DEPARTMENT OF TRANSPORTATION (LADOT) FOR ALL WORK PERFORMED WITHIN, OR HAS AN INFLUENCE OR IMPACT ON, THE PUBLIC RIGHT-OF-WAY.
8. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ANY BUREAU OF ENGINEERING (BOE) PERMITS REQUIRED TO PERFORM WORK WITHIN, OR HAS AN INFLUENCE ON, OR AN IMPACT ON THE PUBLIC RIGHT-OF-WAY. THIS INCLUDES ANY SHORING WITH LINES OF INFLUENCE EXTENDING BEYOND THE PROJECT BOUNDARIES INTO THE PUBLIC RIGHT-OF-WAY.

STORM WATER POLLUTION CONTROL REQUIREMENTS FOR CONSTRUCTION ACTIVITIES
MINIMUM WATER QUALITY PROTECTION REQUIREMENTS FOR ALL CONSTRUCTION PROJECTS

CONSTRUCTION MEANS CONSTRUCTING, CLEARING, GRADING OR EXCAVATION THAT RESULT IN SOIL DISTURBANCE. CONSTRUCTION INCLUDES STRUCTURE TEARDOWN (DEMOLITION). IT DOES NOT INCLUDE ROUTINE MAINTENANCE TO MAINTAIN ORIGINAL LINE AND GRADE, HYDRAULIC CAPACITY, OR ORIGINAL PURPOSE OF FACILITY; EMERGENCY CONSTRUCTION ACTIVITIES REQUIRED TO IMMEDIATELY PROTECT PUBLIC HEALTH AND SAFETY; INTERIOR REMODELING WITH NO OUTSIDE EXPOSURE OF CONSTRUCTION MATERIAL OR CONSTRUCTION WASTE TO STORM WATER; MECHANICAL PERMIT WORK; OR SIGN PERMIT WORK. (ORDER NO. 01-182, NPDES PERMIT NO. CAS004001 – PART 5: DEFINITIONS)

1. ERODED SEDIMENTS AND POLLUTANTS SHALL BE RETAINED ON SITE AND SHALL NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE OR WIND.
2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS SHALL BE COVERED AND/OR PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY WIND OR WATER.
3. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND SHALL NOT CONTAMINATE THE SOIL NOR THE SURFACE WATERS. ALL APPROVED TOXIC STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF PROPERLY AND SHALL NOT BE WASHED INTO THE DRAINAGE SYSTEM.
4. NON-STORM WATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED ON THE PROJECT SITE.
5. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTE ON-SITE UNTIL IT CAN BE APPROPRIATELY DISPOSED OF OR RECYCLED.
6. TRASH AND CONSTRUCTION – RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF STORM WATER AND DISPERSAL BY WIND.
7. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE STREET/PUBLIC WAYS. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR BY ANY OTHER MEANS.
8. RETENTION BASINS OF SUFFICIENT SIZE SHALL BE PROVIDED TO RETAIN STORM WATER RUNOFF ON-SITE AND SHALL BE PROPERLY LOCATED TO COLLECT ALL TRIBUTARY SITE RUNOFF.
9. WHERE RETENTION OF STORM WATER RUNOFF ON-SITE IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, RUNOFF MAY BE CONVEYED TO THE STREET AND THE STORM DRAIN SYSTEM PROVIDED THAT AN APPROVED FILTERING SYSTEM IS INSTALLED AND MAINTAINED ON-SITE DURING THE CONSTRUCTION DURATION.

ENGINEER'S ESTIMATE OF EARTHWORK QUANTITIES
(NOT FOR BIDDING PURPOSES – FOR PERMIT ESTIMATION PURPOSES ONLY)

DESCRIPTION	CUT (CU YDS)	FILL (CU YDS)
RAW VOLUMES	169	60
OVEREXCAVATION	4216	4216
EXPORT	110	–

NOTE:
ANY CHANGES (TYPE, SIZE, LOCATION) TO APPROVED STORMWATER BEST MANAGEMENT PRACTICE(S) (BMPs) MUST OBTAIN WRITTEN APPROVAL FROM LOS ANGELES, DEPARTMENT OF PUBLIC WORKS, BUREAU OF SANITATION PRIOR TO CONSTRUCTION OF BMP(S).

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE WITH OUR RECOMMENDATIONS IN THE REPORTS DATED 3-25-20, 11-4-20 AND 12-8-22.

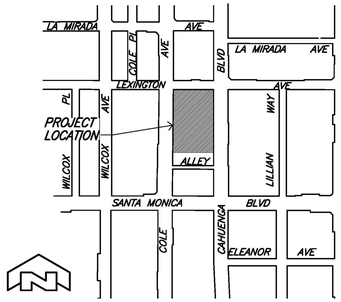
Easton Fo 5-2-24
SIGNATURE DATE

REGISTERED PROFESSIONAL ENGINEER EASTON RENE FORCIER No. GE 2948 Exp. GEOTECHNICAL STATE OF CALIFORNIA

811 Know what's below. Call before you dig.

BENCHMARK NO. 12-19011 EL. 302.04 FT.
SPK N CURB SANTA MONICA BLVD; 1.5 FT E OF BCR E OF CAHUENGA BLVD; W END CB
NAVD 1988, 2000 ADJ.

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218



VICINITY MAP
SCALE: 1"=400'

LEHRER ARCHITECTS LA
Michael Lehrer FAIA, LEED AP, NCARB
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

BENCHMARK

BM: 12-19011 ELEV=302.04 FT
SPK N CURB SANTA MONICA; 1.5 FT E OF BCR E OF CAHUENGA BLVD; W END CB

NAVD 1988, 2000 ADJ.

LEGAL DESCRIPTION

POR. LOT 1, BLOCK 17 OF COLLEGEGROVE, IN THE CITY OF LOS ANGELES, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS PER MAP RECORDED IN MISCELLANEOUS RECORDS BOOK 53, PAGE 10 IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

OWNER

CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS

CIVIL ENGINEER

BARBARA L. HALL, P.E., INC.
318 W. EVERGREEN AVENUE
MONROVIA, CA 91016
(626) 256-3220

LAND SURVEYOR

CITY OF LOS ANGELES
BUREAU OF ENGINEERING
CENTRAL SURVEY DISTRICT
201 N. FIGUEROA ST.
LOS ANGELES, CA 90012
(213) 482-710
DATE OF SURVEY: 10/5/2018

SOILS ENGINEER

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
GEOTECHNICAL ENGINEERING DIVISION
1149 S. BROADWAY, STE. 120
LOS ANGELES, CA 90015
(213) 847-0476
EASTON FORCIER

GEOTECHNICAL ENGINEERING REPORT
HOLLYWOOD RECREATION CENTER REPORT PROJECT
W.O.# E1908203
GED FILE NO.: 19-113
DATE: MARCH 25, 2020

LEGEND

CF	CURB FACE	-----	FLOW LINE
CL	CENTERLINE	———	CUT/FILL LINE
CLF	CHAIN LINK FENCE	-----	DAYLIGHT LINE
BW	BACK OF WALK		
FF	FINISH FLOOR		
FL	FLOW LINE		
FG	FINISH GRADE	1115	PROPOSED CONTOUR
FS	FINISH SURFACE		
GB	GRADE BREAK	1115	EXIST. CONTOUR
HP	HIGH POINT		
INV	INVERT	→	FLOW DIRECTION
PA	PLANTER AREA		
PE	PAD ELEVATION		
RW	RIGHT OF WAY		
TC	TOP OF CURB		
TG	TOP OF GRATE		
TW	TOP OF WALL		

BUREAU OF ENGINEERING
OFFICIAL RECORD

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C1.02	DEMOLITION PLAN
C1.03	SOILS REPORT APPROVAL LETTER
C1.04	SOILS REPORT APPROVAL LETTER
C1.05	HORIZONTAL CONTROL PLAN
C2.00	EXCAVATION PLAN
C2.01	EXCAVATION PLAN
C2.02	GRADING PLAN
C2.03	GRADING PLAN
C2.04	GRADING PLAN
C2.05	SECTIONS
C3.01	STORM DRAIN PLAN
C3.02	STORM DRAIN PLAN
C3.03	UTILITY PLAN
C4.01	DETAILS
C4.02	DETAILS
C4.03	DETAILS
C4.04	LID FORMS & DETAILS
C4.05	LID DETAILS
C4.06	LID DETAILS
C5.01	SWPPP EROSION CONTROL NOTES
C5.02	SWPPP EROSION CONTROL PLAN
C-1	STREET IMPROVEMENT PLAN PER SEPARATE A PERMIT

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/26 CIVIL STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER DATE:
GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ENGINEER: BARBARA L. HALL LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER
SHEET TITLE: GENERAL NOTES
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

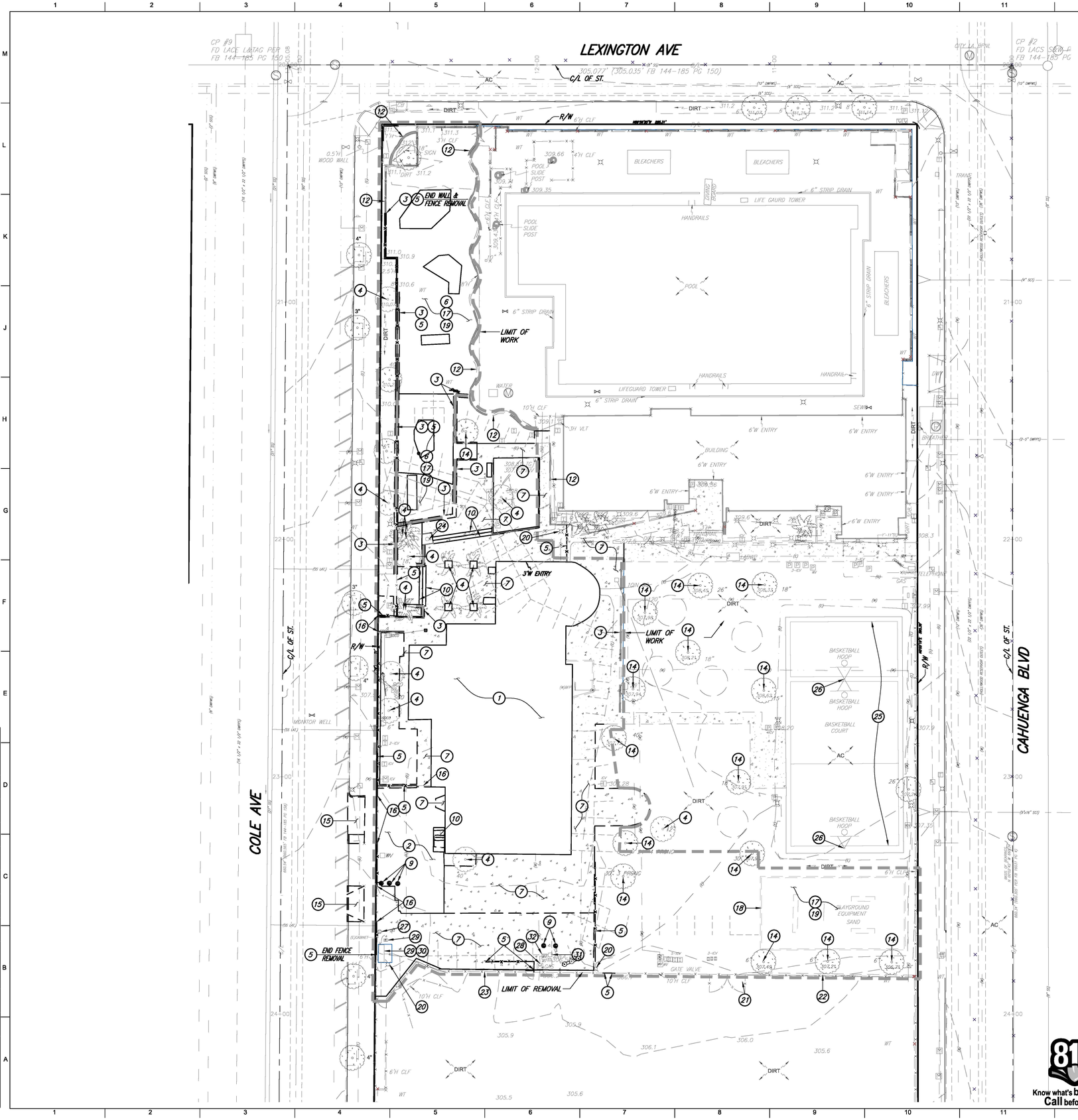
WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C1.01
SHEET 1 OF SHEETS

PLOTTED:1/17/2024

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:

REVISION DATES (DESIGN STAGE ONLY)



DEMOLITION NOTES:

1. REMOVE EXISTING BUILDING & FOUNDATION FOOTING.
2. REMOVE EXISTING ASPHALT PAVING AND BASE.
3. REMOVE EXISTING BLOCK WALL AND FOOTINGS.
4. REMOVE EXISTING TREE, INCLUDING ROOT BALL.
5. REMOVE EXISTING CHAIN LINK FENCE AND FOOTINGS.
6. REMOVE EXISTING RUBBER MAT.
7. REMOVE EXISTING CONCRETE PAVING & BASE.
8. REMOVE EXISTING CURB.
9. REMOVE EXISTING GUARD POST AND FOOTING.
10. REMOVE EXISTING CONCRETE STEPS.
11. REMOVE EXISTING LIGHT POLE.
12. PROTECT EXISTING WALL IN PLACE.
13. PROTECT EXISTING STEPS AND HANDRAIL.
14. PROTECT EXISTING TREE IN PLACE.
15. SAWCUT AND REMOVE EXISTING DRIVEWAY. SEE OFFSITE IMPROVEMENT PLAN.
16. REMOVE EXISTING CHAIN LINK GATE.
17. REMOVE ALL EXISTING PLAYGROUND AND/OR GYM EQUIPMENT AND STORE PER LOS ANGELES RECREATION AND PARKS DEPARTMENT DIRECTION.
18. REMOVE EXISTING CONCRETE CURB.
19. REMOVE EXISTING SAND BOX, INCLUDING SAND AND BORDER.
20. PROTECT EXISTING LIGHT POLE IN PLACE.
21. PROTECT EXISTING GATE IN PLACE.
22. PROTECT EXISTING CHAIN LINK FENCE AND CURB IN PLACE.
23. PROTECT EXISTING CHAIN LINK FENCE IN PLACE.
24. REMOVE EXISTING FLAG POLE AND FOOTING.
25. EXISTING BASKETBALL COURT TO REMAIN. SEE GRADING PLAN FOR ADDITIVE ALTERNATIVE.
26. PROTECT EXISTING BASKETBALL HOOP IN PLACE.
27. PROTECT EXISTING BOLLARD IN PLACE.
28. PROTECT EXISTING METER BOX IN PLACE.
29. PROTECT EXISTING UTILITY CABINET IN PLACE.
30. PROTECT EXISTING CONCRETE PAD IN PLACE.
31. REMOVE EXISTING AREA DRAIN.
32. REMOVE EXISTING WATER VALVE.

NOTE:
CONTRACTOR IS RESPONSIBLE FOR REMOVING DEMOLISHED ITEMS OFF SITE AND SHALL DISPOSE OF THESE ITEMS AT A LEGAL DUMPSITE UNLESS OTHERWISE NOTED.

LEHRER ARCHITECTS LA
Michael Lehrer, Lucien Lagrange, Lucien Nicholas
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

BUREAU OF ENGINEERING
OFFICIAL RECORD

0' 20'

811 Know what's below. Call before you dig.

BENCHMARK NO. 12-19011 EL. 302.04 FT.
SPK N CURB SANTA MONICA BLVD; 1.5 FT E OF BCR E OF CAHUENGA BLVD; W END CB
NAVD 1988, 2000 ADJ.

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:

REVISION DATES (DESIGN STAGE ONLY)

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

34 REGISTERED PROFESSIONAL ENGINEERS
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
DATE:
ENGINEER: BARBARA L. HALL LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DEMOLITION PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C1.02
SHEET 0 OF SHEETS

PLOTTED:1/17/2024

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

BOARD OF BUILDING AND SAFETY COMMISSIONERS
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JAVIER NUNEZ VICE PRESIDENT
JOSELYN GEAGA-ROSENTHAL
GEORGE HOVAGUIMIAN
ELVIN W. MOON

CITY OF LOS ANGELES
CALIFORNIA

ERIC GARCETTI
MAYOR

DEPARTMENT OF BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

OSAMA YOUNAN, P.E.
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

SOILS REPORT APPROVAL LETTER

June 17, 2020

LOG # 113311
SOILS/GEOLOGY FILE - 2

GEO
1149 S. Broadway, Suite 120
Los Angeles, CA 90015

TRACT: Colegrove (MR 53-10)
BLOCK: BLK 17
LOT(S): PT 1
LOCATION: 1122 N. Cole Avenue

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Soils Report	19-113	03/25/2020	Geotechnical Engineering Group

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Approval Letter	68531	09/15/2009	LADBS
Soils Report	09-029	08/25/2009	Geotechnical Engineering Group

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provide recommendations for the proposed 3 story gym and admin building. The earth materials at the subsurface exploration locations consist of artificial fill over marine deposits. The consultants recommend to support the proposed structure(s) on conventional foundations bearing on native undisturbed soils and/or properly placed fill.

The Department previously conditionally approved the above referenced reports dated 08/25/2009 for the proposed new one-story pool building, pool, slide tank with water slide, and spectator area in a letter dated 09/15/2009, Log #68531.

As of January 1, 2020, the City of Los Angeles has adopted the new 2020 Los Angeles Building Code (LABC). The 2020 LABC requirements will apply to all projects where the permit application submittal date is after January 1, 2020.

The referenced report is acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2020 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. The soils engineer shall review and approve the detailed plans prior to issuance of any permit. This approval shall be by signature on the plans that clearly indicates the soils engineer has reviewed the plans prepared by the design engineer; and, that the plans included the recommendations contained in their reports (7006.1).
2. All recommendations of the report that are in addition to or more restrictive than the conditions contained herein shall be incorporated into the plans.
3. A copy of the subject and appropriate referenced reports and this approval letter shall be attached to the District Office and field set of plans (7006.1). Submit one copy of the above reports to the Building Department Plan Checker prior to issuance of the permit.
4. A grading permit shall be obtained for all structural fill and retaining wall backfill (106.1.2).
5. All man-made fill shall be compacted to a minimum 90 percent of the maximum dry density of the fill material per the latest version of ASTM D 1557. Where cohesionless soil having less than 15 percent finer than 0.005 millimeters is used for fill, it shall be compacted to a minimum of 95 percent relative compaction based on maximum dry density. Placement of gravel in lieu of compacted fill is only allowed if complying with LAMC Section 91.7011.3.
6. If import soils are used, no footings shall be poured until the soils engineer has submitted a compaction report containing in-place shear test data and settlement data to the Grading Division of the Department; and, obtained approval (7008.2).
7. Compacted fill shall extend beyond the footings a minimum distance equal to the depth of the fill below the bottom of footings or a minimum of three feet whichever is greater (7011.3).
8. Existing uncertified fill shall not be used for support of footings, concrete slabs or new fill (1809.2, 7011.3).
9. Drainage in conformance with the provisions of the Code shall be maintained during and subsequent to construction (7013.12).
10. Controlled Low Strength Material, CLSM (slurry) proposed to be used for backfill shall satisfy the requirements specified in P/BC 2020-121.
11. The applicant is advised that the approval of this report does not waive the requirements for excavations contained in the General Safety Orders of the California Department of Industrial Relations (3301.1).
12. Temporary excavations that remove lateral support to the public way, adjacent property, or adjacent structures shall be supported by shoring or constructed using ABC slot cuts. Note: Lateral support shall be considered to be removed when the excavation extends below a plane projected downward at an angle of 45 degrees from the bottom of a footing of an existing structure, from the edge of the public way or an adjacent property. (3307.3.1)
13. Where any excavation, not addressed in the approved reports, would remove lateral support (as defined in 3307.3.1) from a public way, adjacent property or structures, a supplemental report shall be submitted to the Grading Division of the Department containing

recommendations for shoring, underpinning, and sequence of construction. Shoring recommendations shall include the maximum allowable lateral deflection of shoring system to prevent damage to adjacent structures, properties and/or public ways. Report shall include a plot plan and cross-section(s) showing the construction type, number of stories, and location of adjacent structures, and analysis incorporating all surcharge loads that demonstrate an acceptable factor of safety against failure. (7006.2 & 3307.3.2)

14. Prior to the issuance of any permit that authorizes an excavation where the excavation is to be of a greater depth than are the walls or foundation of any adjoining building or structure and located closer to the property line than the depth of the excavation, the owner of the subject site shall provide the Department with evidence that the adjacent property owner has been given a 30-day written notice of such intent to make an excavation (3307.1).
15. The soils engineer shall review and approve the shoring and/or underpinning plans prior to issuance of the permit (3307.3.2).
16. Prior to the issuance of the permits, the soils engineer and/or the structural designer shall evaluate the surcharge loads used in the report calculations for the design of the retaining walls and shoring. If the surcharge loads used in the calculations do not conform to the actual surcharge loads, the soil engineer shall submit a supplementary report with revised recommendations to the Department for approval.
17. Unsurcharged temporary excavations over 5 feet exposing soil shall be trimmed back at a gradient not exceeding 1:1, as recommended.
18. Shoring shall be designed for the lateral earth pressures specified on page 7 of the current report; all surcharge loads shall be included into the design.
19. Shoring shall be designed for a maximum lateral deflection of ½ inch where a structure is within a 1:1 plane projected up from the base of the excavation, and for a maximum lateral deflection of 1 inch provided there are no structures within a 1:1 plane projected up from the base of the excavation, as recommended.
20. A shoring monitoring program shall be implemented to the satisfaction of the soils engineer.
21. ABC slot-cut method may be used for unsurcharged temporary excavations with each slot not exceeding 10 feet in height and not exceeding 8 feet in width, as recommended. The soils engineer shall verify in the field if the existing earth materials are stable in the slot-cut excavation. Each slot shall be inspected by the soils engineer and approved in writing prior to any worker access.
22. All foundations shall derive entire support from native undisturbed soils, properly placed fill, as recommended.
23. Footings supported on approved compacted fill or expansive soil shall be reinforced with a minimum of four (4), ½-inch diameter (#4) deformed reinforcing bars. Two (2) bars shall be placed near the bottom and two (2) bars placed near the top of the footing.
24. The foundation/slab design shall satisfy all requirements of the Information Bulletin P/BC 2017-116 "Foundation Design for Expansive Soils" (1803.5.3).
25. The seismic design shall be based on a Site Class D, as recommended. All other seismic design parameters shall be reviewed by LADBS building plan check.

26. All roof, pad and deck drainage shall be conducted to the street in an acceptable manner in non-erosive devices or other approved location in a manner that is acceptable to the LADBS and the Department of Public Works (7013.10).
27. All concentrated drainage shall be conducted in an approved device and disposed of in a manner approved by the LADBS (7013.10).
28. The soils engineer shall inspect all excavations to determine that conditions anticipated in the report have been encountered and to provide recommendations for the correction of hazards found during grading (7008, 1705.6 & 1705.8).
29. Prior to pouring concrete, a representative of the consulting soils engineer shall inspect and approve the footing excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the work inspected meets the conditions of the report. No concrete shall be poured until the LADBS Inspector has also inspected and approved the footing excavations. A written certification to this effect shall be filed with the Grading Division of the Department upon completion of the work. (108.9 & 7008.2)
30. Prior to excavation an initial inspection shall be called with the LADBS Inspector. During the initial inspection, the sequence of construction; shoring; ABC slot cuts; protection fences; and, dust and traffic control will be scheduled (108.9.1).
31. Installation of shoring, underpinning, slot cutting and/or pile excavations shall be performed under the inspection and approval of the soils engineer and deputy grading inspector (1705.6, 1705.8).
32. Prior to the placing of compacted fill, a representative of the soils engineer shall inspect and approve the bottom excavations. The representative shall post a notice on the job site for the LADBS Inspector and the Contractor stating that the soil inspected meets the conditions of the report. No fill shall be placed until the LADBS Inspector has also inspected and approved the bottom excavations. A written certification to this effect shall be included in the final compaction report filed with the Grading Division of the Department. All fill shall be placed under the inspection and approval of the soils engineer. A compaction report together with the approved soil report and Department approval letter shall be submitted to the Grading Division of the Department upon completion of the compaction. In addition, an Engineer's Certificate of Compliance with the legal description as indicated in the grading permit and the permit number shall be included (7011.3).
33. No footing/slab shall be poured until the compaction report is submitted and approved by the Grading Division of the Department.

ALAN DANG
Structural Engineering Associate II

AD/ad
Log No. 113311
213-482-0480

cc: Geotechnical Engineering, Project Consultant
LA District Office

BOARD OF BUILDING AND SAFETY COMMISSIONERS
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CITY OF LOS ANGELES
CALIFORNIA

ERIC GARCETTI
MAYOR

DEPARTMENT OF BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

OSAMA YOUNAN, P.E.
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

SOILS REPORT APPROVAL LETTER

October 21, 2021

LOG # 119008
SOILS/GEOLOGY FILE - 2

GEO
1149 S. Broadway, Suite 120
Los Angeles, CA 90015

TRACT: Colegrove (MR 53-10)
BLOCK: BLK 17
LOT(S): PT 1
LOCATION: 1122 N. Cole Avenue

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Addendum Report	19-113	11/04/2020	Geotechnical Engineering Division

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Approval Letter	113311	06/17/2020	LADBS
Soils Report	19-113	03/25/2020	Geotechnical Engineering Group
Dept. Approval Letter	68531	09/15/2009	LADBS
Soils Report	09-029	08/25/2009	Geotechnical Engineering Group

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provide recommendations for the proposed 2 story gym, miscellaneous park improvements, and infiltration facility.

The Department previously conditionally approved the above referenced reports for the proposed 3 story gym and admin building in a letter dated 06/17/2020, Log #113311.

As of January 1, 2020, the City of Los Angeles has adopted the new 2020 Los Angeles Building Code (LABC). The 2020 LABC requirements will apply to all projects where the permit application submittal date is after January 1, 2020.

The referenced report is acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2020 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. All conditions of the above referenced Department approval letter(s) shall apply except as specifically modified herein.
2. The infiltration facility design and construction shall comply with the minimum requirements specified in the Information Bulletin P/BC 2020-118.
3. The infiltration system shall be constructed at the location shown on the drawing attached to the current report.
4. The construction of the infiltration system shall be provided under the inspection and approval of the soils engineer.
5. An overflow outlet shall be provided to conduct water to the street in the event that the infiltration system capacity is exceeded. (P/BC 2020-118)
6. Approval for the proposed infiltration system from the Bureau of Sanitation, Department of Public Works shall be secured.
7. A minimum distance of 10 feet (in any direction) shall be provided from adjacent proposed/existing footings to the proposed infiltration system. A minimum distance of 10 feet horizontally shall be provided from private property lines to the proposed infiltration system.

ALAN DANG
Structural Engineering Associate II

BUREAU OF ENGINEERING
OFFICIAL RECORD

AD/ad
Log No. 119008
213-482-0480

cc: Geotechnical Engineering Group, Project Consultant
VN District Office

LEHRER ARCHITECTS LA
Michael Lehrer FAIA, License No. C12115
2140 Hyperion Avenue, Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126



DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ENGINEER: BARBARA L. HALL LIC. NO.: 42206 DATE:
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SOILS REPORT APPROVAL LETTER

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. C1.03
SHEET 0 OF SHEETS

PLOTTED:1/17/2024

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:

REVISION DATES (DESIGN STAGE ONLY)

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201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

OSAMA YOUNAN, P.E.
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

JOHN WEIGHT
EXECUTIVE OFFICER

SOILS REPORT APPROVAL LETTER

January 27, 2023

LOG # 124445R
SOILS/GEOLOGY FILE - 2
Correct: Revised condition #2

GEO
1149 S. Broadway, Suite 120
Los Angeles, CA 90015

TRACT: Colegrove (MR 53-10)
BLOCK: BLK 17
LOT(S): PT 1
LOCATION: 1122 N. Cole Avenue

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Addendum Report	19-113	12/08/2022	Geotechnical Engineering Division

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Approval Letter	119008	10/21/2021	LADBS
Addendum Report	19-113	11/04/2020	Geotechnical Engineering Division
Dept. Approval Letter	113311	06/17/2020	LADBS
Soils Report	19-113	03/25/2020	Geotechnical Engineering Group
Dept. Approval Letter	68531	09/15/2009	LADBS
Soils Report	09-029	08/25/2009	Geotechnical Engineering Group

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provides updated recommendations for the proposed excavation and foundations.

The Department previously conditionally approved the above referenced reports for the proposed 2-story gym, miscellaneous park improvements, and infiltration facility in a letter dated 10/21/2021, Log #119008.

As of January 1, 2020, the City of Los Angeles has adopted the new 2020 Los Angeles Building Code (LABC). The 2020 LABC requirements will apply to all projects where the permit application submittal date is after January 1, 2020.

The referenced report is acceptable, provided the following conditions are complied with during site development:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2020 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. All conditions of the above referenced Department approval letter(s) that are specifically related to the current shall apply except as specifically modified herein.
2. Unsurcharged vertical excavation shall not exceede 5 feet. Unsurcharged temporary excavations over 5 feet shall be trimmed back at a gradient not exceeding 1/2:1 for a maximum height of 6.5 feet, as recommended.
3. Footings along the west side of the proposed building may be founded in native soils, as recommended.

ALAN DANG
Structural Engineering Associate II

AD/ad
Log No. 124445R
213-482-0480

cc: Geotechnical Engineering Division, Project Consultant
LA District Office

29167

CITY LA DBS DEPARTMENT OF BUILDING AND SAFETY

REQUEST FOR MODIFICATION OF BUILDING ORDINANCES
UNDER AUTHORITY OF L.A.M.C. SECTION 98.0403

PERMIT APP. #: 22030-10000-07682	DATE: April 3, 2024	For City Dept. Use Only: Building, Zoning, (Grading), Shoring, Mech., Elec., Plumb., Green, D.A., Misc.
JOB ADDRESS: 1122 and 1160 N Cole Avenue		
Tract: Colegrove (MR 53-10)	Block: 17 / Lot: PT 1	
Owner: City's Dept. of General Services, Asset Management Division	Petitioner: LADPW, Bureau of Engineering, Geotechnical Engineering Division	
Address: 111 E 1st Street, #201	Address: 1149 S Broadway, #201	
City: Los Angeles / State: CA / Zip: 90012 / Phone: (213) 485-4821	City: Los Angeles / State: CA / Zip: 90015 / Phone: (213) 847-0476	

REQUEST (SUBMIT PLANS OR ADDITIONAL SHEETS AS NECESSARY) — CODE SECTIONS: 7006.2, 3307.3

Waive the requirement for lateral support of an excavation steeper than 1:1 adjacent to the public right-of-way along Cole Avenue. Allow temporary surcharged excavations 0.5:1 (H:V) instead of ABC slot cuts and/or shoring.

JUSTIFICATION (SUBMIT PLANS OR ADDITIONAL SHEETS AS NECESSARY)

The LADPW, Bureau of Engineering (BOE), Central Permitting District office has approved temporary surcharged excavations as outlined in our supplemental report dated 2-26-24. ABC slot cuts are not feasible for the proposed footing construction as this would result in cold joints. The BOE is managing this project. In the event of a slope failure, we'd direct the contractor to immediately make repairs.

Easton Forcier, PE, GE (Owner/Petitioner Name (Print)) — Easton Fo (Signature) — Geotechnical Engineer II (Position)

FOR CITY DEPARTMENT'S USE ONLY BELOW THIS LINE

Concurrences required from the following Department(s):

	Print Name	Sign	Approved	Denied
☐ Los Angeles Fire Department			☐	☐
☐ Public Works Bureau of Engineering			☐	☐
☐ Department of City Planning			☐	☐
☐ Department of County Health			☐	☐
☐ Other			☐	☐

DEPARTMENT ACTION

☑ GRANTED ☐ DENIED

Reviewed by: (Staff) (Print): Alan Dang — Sign — Date: 4/10/2024
Action taken by: (Supervisor) (Print): J Adolfo Acosta — Sign — Date: 4/10/2024

NOTE: IN CASE OF DENIAL, SEE PAGE #2 OF THIS FORM FOR APPEAL PROCEDURES

CONDITIONS OF APPROVAL (Continued on Page 2):

See page 2 of 2 for approval conditions.

For Cashiers Use Only (PROCESS ONLY WHEN FEES ARE VERIFIED)

#13146

FEES (DEPARTMENT USE ONLY)

Appeal Processing Fee..(No. of Items) =	1X $130 + $39/addl	=
Inspection Fee .....(No of Insp.) =	X $ 84.00	=
Research Fee ... (Total Hours Worked) =	X $104.00	=
Subtotal		=
Development Services Center Surcharge	X 3%	=
Systems Development Surcharge.....	X 6%	=
Total Fees		= 568.42

Fees verified by:

Print and Sign: AD

1. All conditions of the Department approval letter(s) dated 01/27/2023 Log# 124445R shall apply except as specifically modified herein.
2. Temporary excavations that removes lateral support to the public way along Cole Avenue may be conducted, as requested.
3. Temporary excavations exposing soil may be trimmed back at a gradient not exceeding 0.5:1 (H:V) for a maximum excavation height of 6.5 feet, as requested.

BUREAU OF ENGINEERING
OFFICIAL RECORD

LEHRER ARCHITECTS LA
Michael Lehrer, Lehrer Architects, Lucerne, NM 87413
2140 Hyperion Avenue, Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER

GARY LEE MOORE, P.E., ENV SP

ARCHITECTURAL DIVISION

ENGINEER: BARBARA L. HALL — LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SOILS REPORT APPROVAL LETTER

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. C1.04

SHEET O F SHEETS

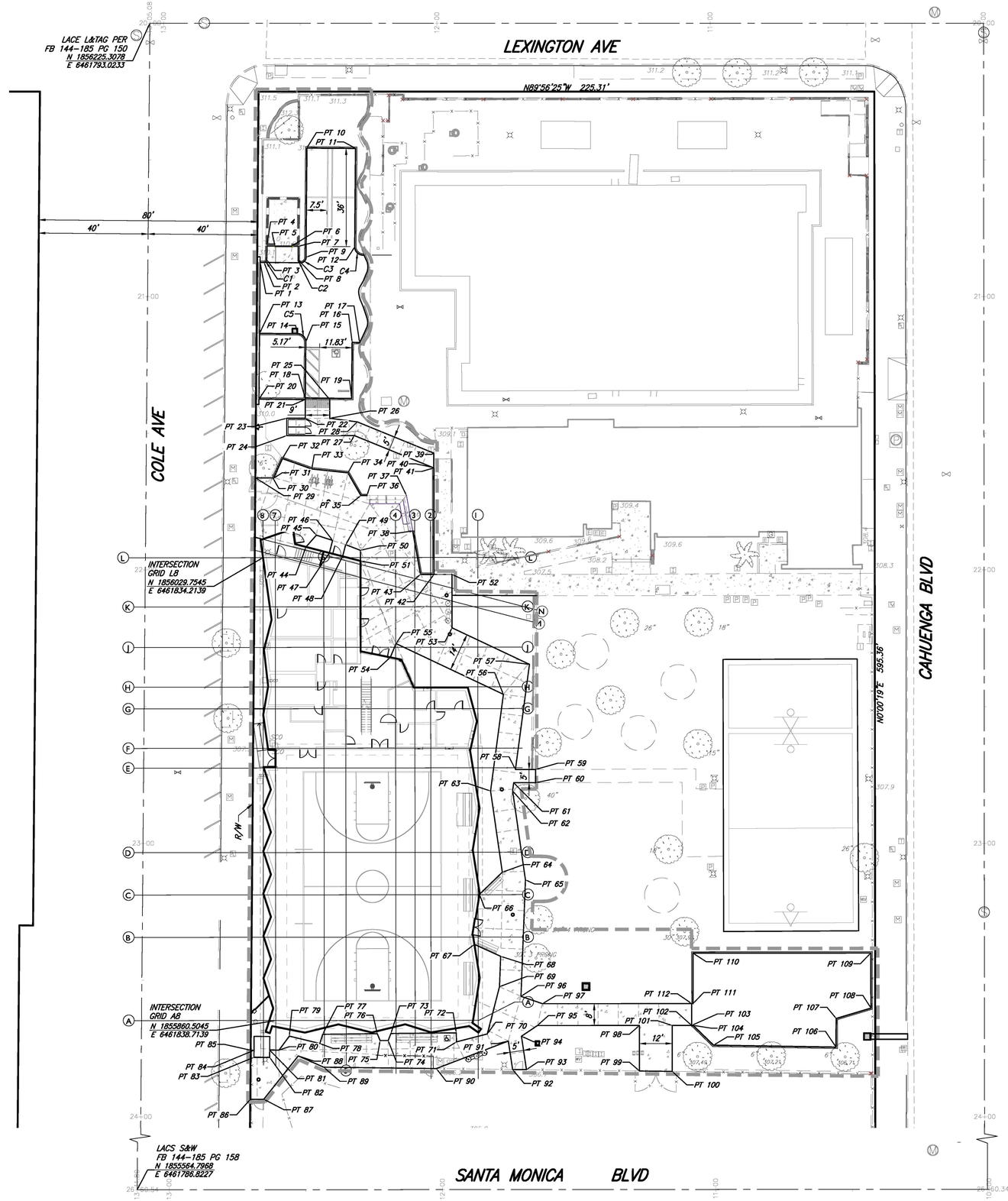
PLOTTED:1/17/2024

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:

REVISION DATES (DESIGN STAGE ONLY)

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218



POINT TABLE		
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3	1856138.7567	6461835.7045
4	1856143.7564	6461835.7514
5	1856143.7282	6461838.7595
6	1856143.6719	6461844.7592
7	1856143.6484	6461847.2591
8	1856138.6619	6461847.2123
9	1856139.6220	6461850.0589
10	1856179.6093	6461850.4343
11	1856179.4419	6461868.2668
12	1856143.4435	6461867.9289
13	1856111.7805	6461833.0404
14	1856111.6498	6461846.9588
15	1856108.6218	6461849.9305
16	1856108.4622	6461866.9297
17	1856108.4365	6461869.6661
18	1856088.1227	6461849.7380
19	1856087.9631	6461866.7373
20	1856087.7819	6461832.8151
21	1856087.6226	6461849.7333
22	1856080.7342	6461849.7338
23	1856080.7342	6461842.9539
24	1856074.4008	6461842.9539
25	1856087.5383	6461858.7333
26	1856080.7349	6461858.7340
27	1856074.4008	6461867.6889
28	1856079.4008	6461868.7712
29	1856058.9667	6461831.4635
30	1856058.8908	6461837.8599
31	1856058.7979	6461838.0621
32	1856066.0069	6461841.3724
33	1856062.2146	6461852.1115
34	1856060.7888	6461865.3410
35	1856052.4556	6461870.0875
36	1856052.4556	6461872.2847
37	1856052.4551	6461886.7458
38	1856039.4854	6461889.0327
39	1856067.9262	6461896.7786
40	1856062.7305	6461896.2786
41	1856062.5264	6461896.7786
42	1856023.5584	6461896.7786
43	1856023.5584	6461891.8411
44	1856033.6624	6461849.9826
45	1856037.9883	6461853.7707
46	1856036.0389	6461859.7086
47	1856031.4566	6461858.5042
48	1856030.2021	6461863.3508
49	1856034.5047	6461864.4763
50	1856032.3975	6461869.9014

POINT TABLE		
POINT #	NORTHING	EASTING
51	1856028.5065	6461869.9014
52	1856023.5584	6461903.3719
53	1856004.0323	6461903.3719
54	1855993.2404	6461880.7711
55	1855998.2621	6461882.8474
56	1855979.6524	6461922.1407
57	1855990.6237	6461931.6834
58	1855952.1606	6461926.5259
59	1855952.1606	6461933.9013
60	1855947.3330	6461933.9088
61	1855947.3206	6461925.8768
62	1855944.3487	6461925.4783
63	1855944.3104	6461917.4016
64	1855914.6828	6461921.6610
65	1855911.8553	6461930.1497
66	1855906.5795	6461913.2929
67	1855888.2925	6461911.4136
68	1855883.8936	6461921.0387
69	1855872.7864	6461920.5891
70	1855855.5148	6461916.1070
71	1855852.6224	6461904.8404
72	1855855.9319	6461904.7494
73	1855855.6984	6461880.8569
74	1855853.1519	6461879.8402
75	1855853.1519	6461876.8698
76	1855855.6496	6461875.8550
77	1855855.4543	6461855.8806
78	1855852.0603	6461854.8412
79	1855854.7784	6461843.6707
80	1855849.6621	6461839.8712
81	1855849.6557	6461836.4908
82	1855847.0044	6461836.4712
83	1855847.0470	6461830.7214
84	1855849.6447	6461830.7406
85	1855849.6424	6461829.5366
86	1855831.6821	6461829.3717
87	1855831.7066	6461834.2872
88	1855847.5503	6461846.9383
89	1855843.4086	6461856.2469
90	1855842.8691	6461897.4492
91	1855852.8935	6461923.8156
92	1855842.5035	6461925.3703
93	1855842.4372	6461930.4358
94	1855854.6607	6461928.6068
95	1855858.5479	6461934.4329
96	1855869.2583	6461928.4550
97	1855866.5479	6461936.2898
98	1855858.5466	6461971.7895
99	1855841.8954	6461971.8075
100	1855841.7385	6461983.7909

POINT TABLE		
POINT #	NORTHING	EASTING
101	1855858.5462	6461983.7909
102	1855858.5459	6461990.9187
103	1855858.5760	6461990.9487
104	1855858.5760	6461991.4181
105	1855851.2805	6461998.8910
106	1855850.5548	6462043.7342
107	1855861.0110	6462043.8298
108	1855864.7993	6462056.5523
109	1855884.9903	6462056.5073
110	1855884.9903	6461991.4202
111	1855866.5461	6461991.4187
112	1855866.5459	6461990.9187

CURVE DATA					RADIUS POINT	
CURVE #	DELTA	RADIUS	LENGTH	TANGENT	NORTHING	EASTING
C1	90°00'00"	1.00'	1.57'	1.00'	1856138.7660	6461834.7045
C2	99°21'20"	1.00'	1.73'	1.18'	1856138.6525	6461848.2123
C3	80°38'40"	2.00'	2.82'	1.70'	1856139.6407	6461848.0590
C4	90°00'00"	3.00'	4.71'	3.00'	1856143.4153	6461870.9288
C5	90°00'00"	3.00'	4.71'	3.00'	1856108.6500	6461846.9306

LEHRER ARCHITECTS **LA**
Michael Lehrer, FAIA, Lucien Nicita
2140 Hyperion Avenue, Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. **RP-300126**

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
LIC. NO.: 42206

ENGINEER: BARBARA L. HALL
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: HORIZONTAL CONTROL PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
OFFICIAL RECORD

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. C1.05
SHEET 0 OF SHEETS

0' 20'

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

PLOTTED:1/17/2024

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:

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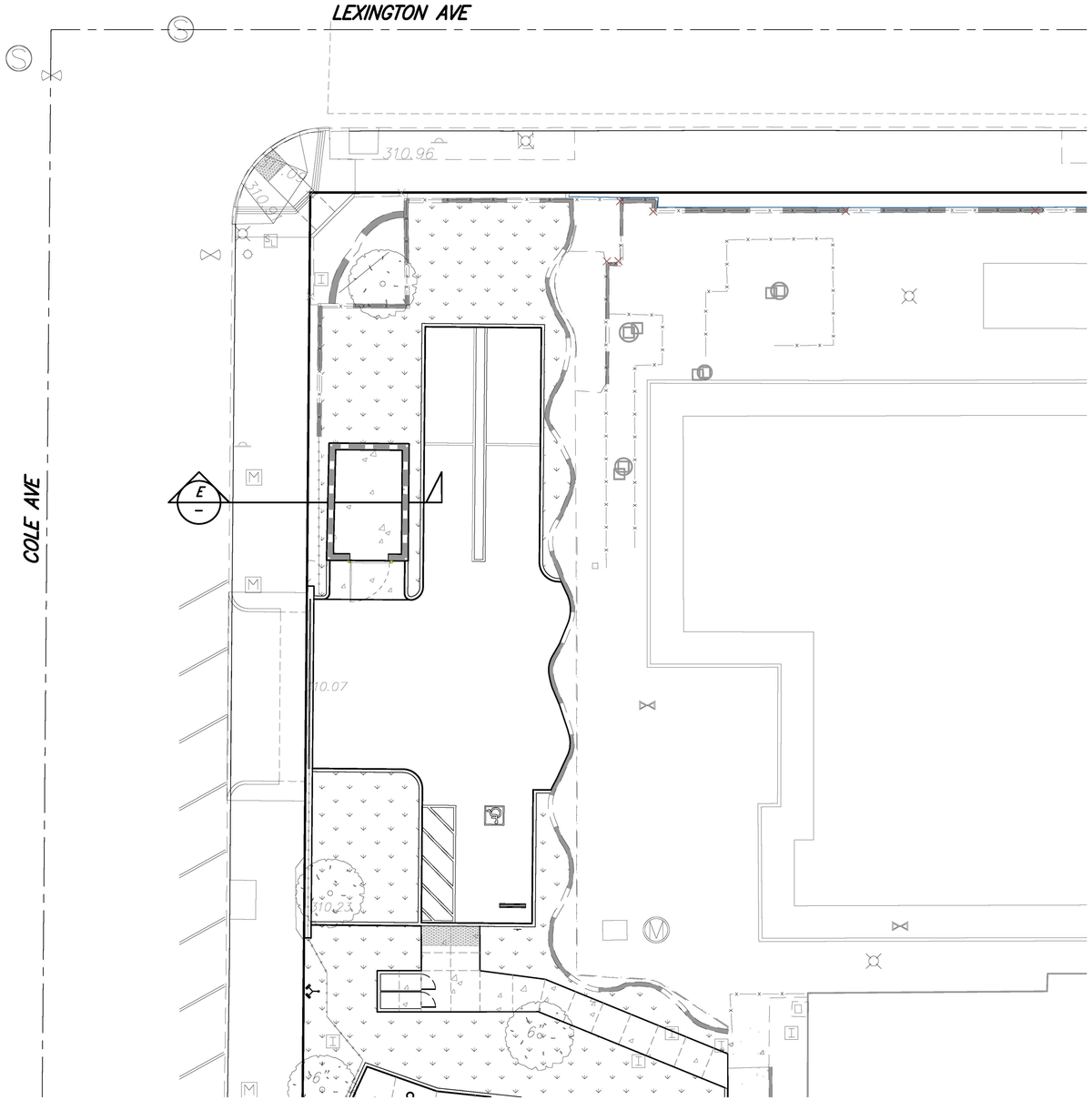


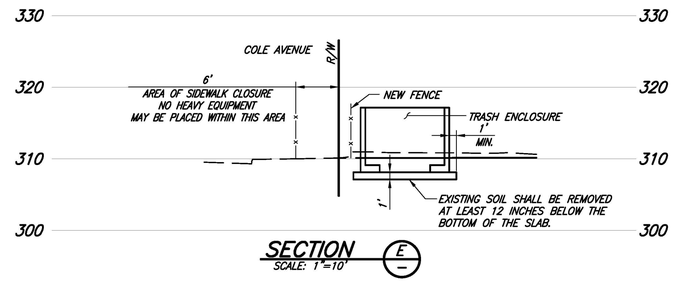
EXCERPT FROM SUPPLEMENTAL GEOTECHNICAL REPORT NO. 3. HOLLYWOOD RECREATION CENTER PROJECT 1122 AND 1160 NORTH COLE AVENUE, W.O.# E1908203, GED FILE # 19-113, DATED FEBRUARY 8, 2024.

TEMPORARY SURCHARGED EXCAVATIONS

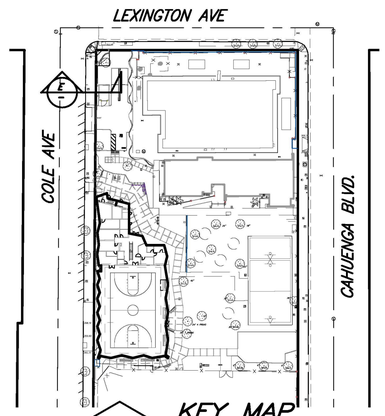
THE PROPOSED TEMPORARY ½:1 (H:V) EXCAVATION ON THE WEST SIDE OF THE BUILDING WILL BE UP TO 6½ FEET HIGH. THE TOP OF THE EXCAVATION WILL BE LOCATED WITHIN 6 INCHES OF THE PUBLIC RIGHT-OF-WAY (COLE AVENUE). THE SIDEWALK IN THE PUBLIC RIGHT-OF-WAY IS APPROXIMATELY 12 FEET WIDE. WE'VE DISCUSSED THE PROPOSED TEMPORARY EXCAVATION WITH THE BUREAU OF ENGINEERING, EXCAVATION PERMIT DIVISION, AND BASED ON OUR DISCUSSION, THERE ARE REQUIRING A SLOPE STABILITY EVALUATION WITH A SURCHARGE PRESSURE. THEY TYPICALLY REQUIRE THE SLOPE STABILITY EVALUATION TO INCLUDE A UNIFORMLY DISTRIBUTED SURCHARGE PRESSURE OF 300 POUNDS PER SQUARE FOOT (PSF) FOR EXCAVATIONS ADJACENT TO THE PUBLIC RIGHT-OF-WAY. FOR THIS CONDITION, THEY ARE ALLOWING US TO USE A SURCHARGE PRESSURE OF 100 PSF IF: 1) THE EASTERN 6 FEET OF SIDEWALK WILL BE CLOSED OFF TO PEDESTRIANS AND CYCLISTS, AND 2) HEAVY EQUIPMENT WILL NOT BE PLACED WITHIN 6 FEET OF THE TOP OF EXCAVATION. THE PROJECT MANAGER AND DESIGN TEAM CONCUR THAT THE PLANS AND SPECIFICATIONS WILL ENSURE THESE CONDITIONS ARE MET DURING CONSTRUCTION. THE RESULTS OF THE SLOPE STABILITY ANALYSIS ARE ATTACHED TO THIS REPORT. THE RESULTS INDICATE THE TEMPORARY FACTOR OF SAFETY WITH A SURCHARGE OF 100 PSF EXCEED THE ACCEPTABLE CRITERION OF 1.3.

OVER-EXCAVATION BENEATH THE TRASH ENCLOSURE

THE EXISTING SOIL SHALL BE REMOVED TO A DEPTH OF AT LEAST 18 INCHES BELOW THE BOTTOM OF FOOTING. THE EXCAVATION SHALL EXTEND LATERALLY AT LEAST 12 INCHES BEYOND EACH EDGE OF THE FOOTING. THE EXISTING SOIL SHALL ALSO BE REMOVED AT LEAST 12 INCHES BELOW THE BOTTOM OF SLAB.



SECTION E
SCALE: 1"=10'



KEY MAP
SCALE: 1"=50'

BUREAU OF ENGINEERING
OFFICIAL RECORD

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE WITH OUR RECOMMENDATIONS IN THE REPORTS DATED 3-25-20, 11-4-20 AND 12-8-22.

Easton Fo — 5-2-24
SIGNATURE — DATE

REGISTERED PROFESSIONAL ENGINEER EASTON RENE FONDREN No. GE 2948 Exp. GEOTECHNICAL STATE OF CALIFORNIA

NOTE:
ALL SHALLOW FOUNDATIONS WILL BE EMBEDDED AT LEAST 6 INCHES INTO NATIVE SOIL. NO LATERAL OVER-EXCAVATION IS ANTICIPATED FOR THE BUILDING.

0' 10'

811 Know what's below. Call before you dig.

BENCHMARK NO. 12-19011 EL. 302.04 FT.
SPK N CURB SANTA MONICA BLVD; 1.5 FT E OF BCR E OF CAHUENGA BLVD; W END CB
NAVD 1988, 2000 ADJ.

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Michael Lehrer, FAIA, Lucas Nichols, AIA
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

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BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEERS BARBARA L. HALL No. 42206 Exp. 03/31/26 CIVIL STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ENGINEER: BARBARA L. HALL LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: EXCAVATION PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C2.00
SHEET O F SHEETS

PLOTTED:1/17/2024

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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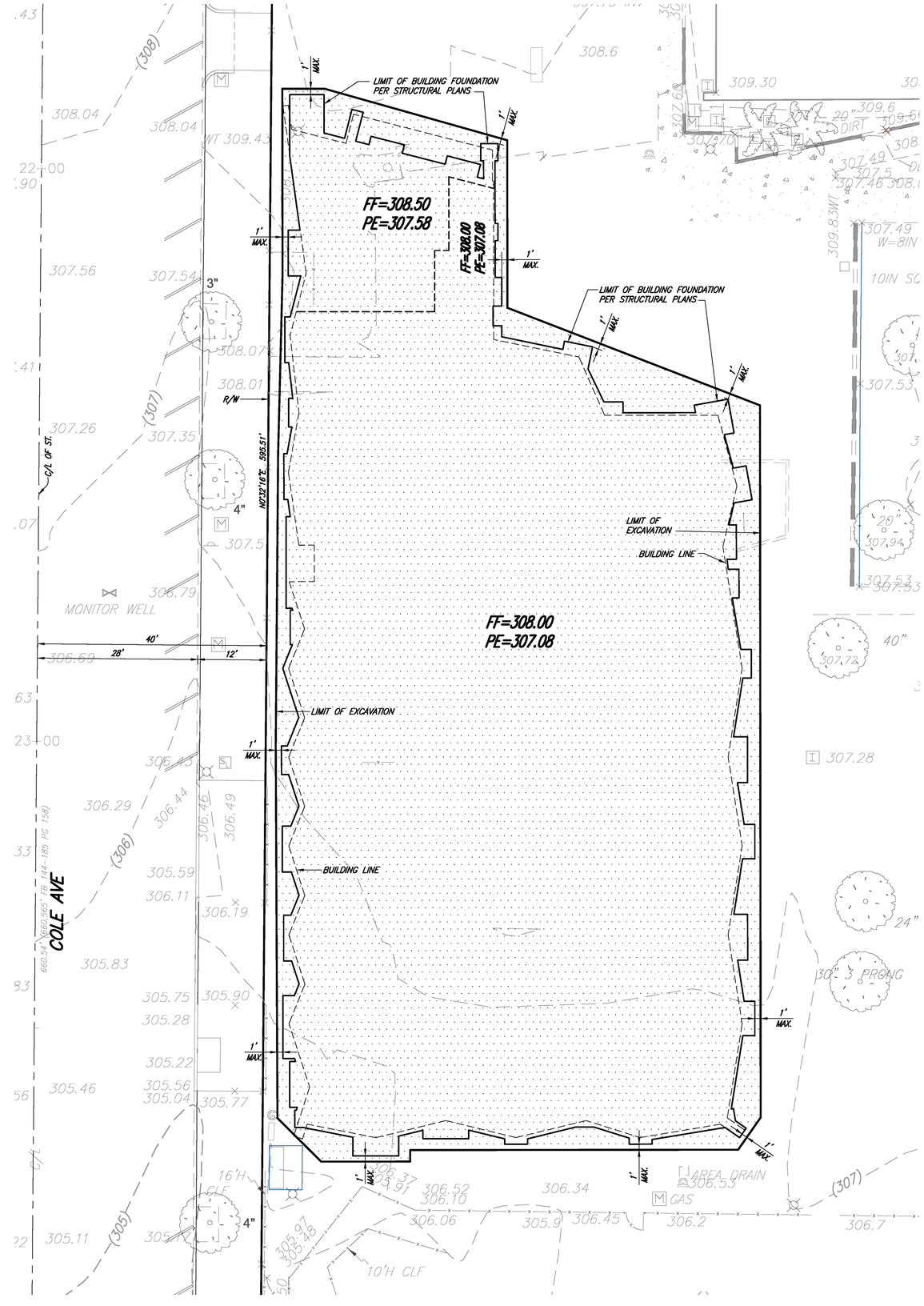

EXCERPT FROM GEOTECHNICAL ENGINEERING REPORT HOLLYWOOD RECREATION CENTER PROJECT 1122 AND 1160 NORTH COLE AVENUE, TRACT: COLEGROVE, BLOCK: 17, LOT: 1, LOS ANGELES, CALIFORNIA, W.O.# E1908203, GED FILE # 19–113, DATED MARCH 25, 2020 AND SUPPLEMENTAL GEOTECHNICAL REPORT NO. 2, DATED DECEMBER 8, 2022.

OVER–EXCAVATION

EXISTING UNCERTIFIED FILL MAY BE LEFT IN–PLACE BENEATH NEW PAVEMENTS. THE EARTHWORK BENEATH NEW PAVEMENT AREAS, INCLUDING THE SUBGRADE PREPARATION (SEE SECTION 6.2.6), SHALL RESULT IN AT LEAST 18 INCHES OF COMPACTED FILL BENEATH THE PAVEMENT SECTION.

EXISTING FILL MAY ALSO BE LEFT IN–PLACE BENEATH NON–STRUCTURAL FOOTINGS. THE EARTHWORK BENEATH NON–STRUCTURAL FOOTINGS, INCLUDING THE SUBGRADE PREPARATION (SEE SECTION 6.2.6), SHALL RESULT IN AT LEAST 24 INCHES OF COMPACTED FILL BELOW THE BOTTOM OF FOOTING. THE EXCAVATION SHALL EXTEND LATERALLY BEYOND THE FOOTING A DISTANCE OF 2 FEET OR TO THE PROPERTY BOUNDARY, WHICHEVER IS LESS.

TEMPORARY EXCAVATIONS

ALL TEMPORARY EXCAVATIONS SHALL CONFORM TO THE STATE OF CALIFORNIA CONSTRUCTION SAFETY ORDERS (CAL/OSHA). UNSURCHARGED VERTICAL EXCAVATIONS SHALL NOT EXCEED 5 FEET. UNSURCHARGED EXCAVATIONS GREATER THAN 5 FEET AND TO A MAXIMUM OF 6 1/2 FEET MAY BE SLOPED AT 1/2:1 (H:V) OR FLATTER.

SUBGRADE PREPARATION

IF SOFT, YIELDING, OR UNSUITABLE SOILS ARE EXPOSED AT THE SUBGRADE, ADDITIONAL OVER–EXCAVATION WILL BE REQUIRED. THE GED WILL PROVIDE SUPPLEMENTAL RECOMMENDATIONS IF THIS IS THE CASE.

ALL EXPOSED OVER–EXCAVATION BOTTOMS SHALL BE SCARIFIED AT LEAST 6 INCHES, MOISTURE CONDITIONED, AND COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION (RC) AS DETERMINED BY ASTM D1557. THE EXCAVATION BOTTOM SHALL BE OBSERVED, TESTED, AND APPROVED BY A REPRESENTATIVE OF THE GED AND THE LADBS, GRADING INSPECTOR PRIOR TO PLACEMENT OF CERTIFIED FILL OR ANY FOUNDATION BEARING ON NATIVE SOILS.

AFTER THE ACCEPTANCE OF THE SUBGRADE, FILL MATERIAL MAY BE REPLACED IN ACCORDANCE WITH THE FOLLOWING RECOMMENDATION. SUBGRADE SOILS SHALL BE KEPT MOIST (BETWEEN 0 TO 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT) BUT NOT FLOODED UNTIL COVERED WITH SUBSEQUENT FILL OR CONSTRUCTION.

FILL MATERIALS AND PLACEMENT

THE ONSITE CLAYEY FILL MATERIAL MAY BE REUSED AS COMPACTED FILL, EXCEPT WITHIN 24 INCHES BENEATH THE SLAB–ON–GRADE FLOOR AND IN THE UPPER 18 INCHES BENEATH NEW PAVEMENTS. ALSO, THE ONSITE CLAYEY FILL MATERIAL IS SUITABLE FOR REUSE ONLY IF IT IS FREE OF ORGANIC MATERIAL, DEBRIS, AND DOESN'T CONTAIN FRAGMENTS GREATER THAN 3 INCHES IN MAXIMUM DIMENSION. DRYING OF WET SITE SOILS OR MIXING OF THESE SOILS WITH DRYER SOILS MAY BE REQUIRED PRIOR TO BEING USED AS COMPACTED FILL. WE ANTICIPATE AN ACTIVE MIXING/BLENDING OPERATION WILL BE REQUIRED TO ACHIEVE A UNIFORMLY MOISTURE CONDITIONED FILL MATERIAL.

THE COMPACTED FILL BENEATH THE SLAB–ON–GRADE FLOOR AND NEW PAVEMENTS SHALL CONSIST OF IMPORTED GRANULAR FILL. IMPORTED GRANULAR FILLS SHALL BE PREDOMINANTLY GRANULAR (MINIMUM 80% PASSING NUMBER 4 SIEVE AND BETWEEN 10% AND 30% PASSING THE NUMBER 200 SIEVE), AND NON–EXPANSIVE (EI LESS THAN 20). ALSO, THE IMPORTED GRANULAR FILLS SHALL BE FREE OF ORGANIC OR INORGANIC DEBRIS, CONTAMINATION AND MATERIALS WITH ANY DIMENSION LARGER THAN 3 INCHES. IMPORTED GRANULAR MATERIAL SHALL BE REVIEWED FOR APPROVAL BY THE GED PRIOR TO IMPORTING TO THE JOB SITE. THE GED SHALL BE NOTIFIED A MINIMUM OF THREE WORKING DAYS PRIOR TO SCHEDULED IMPORTING OF SOIL TO THE PROJECT SITE.

FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8 INCHES IN THICKNESS, MOISTURE CONDITIONED TO WITHIN 3 PERCENT ABOVE OPTIMUM, AND MECHANICALLY COMPACTED. THE HYDROMETER TEST RESULTS INDICATE THE ONSITE CLAYEY FILL MATERIAL HAS A CLAY CONTENT GREATER THAN 15 PERCENT; THEREFORE, PRIMARY STRUCTURAL FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT RC. NON–STRUCTURAL (I.E. SECONDARY) FILL SHALL ALSO BE COMPACTED TO AT LEAST 90 PERCENT RC.

FILL PLACEMENT AND COMPACTION SHALL BE OBSERVED AND TESTED BY THE GED. COMPACTED FILL SOILS SHALL BE KEPT MOIST (AT OR SLIGHTLY ABOVE THE SPECIFIED MOISTURE CONTENT AT THE TIME OF COMPACTION), BUT NOT FLOODED, UNTIL COVERED WITH SUBSEQUENT CONSTRUCTION. IF COMPACTED FILL BECOMES DISTURBED, IT SHALL BE REWORKED OR REMOVED AND REPLACED. CERTIFICATION AND INSPECTION APPROVALS FOR COMPROMISED SOILS ARE VOID AND INVALID.

SHALLOW FOUNDATIONS

THE VERTICAL OVER–EXCAVATION BENEATH SHALLOW FOUNDATIONS (I.E. FOOTINGS) IS EXPECTED TO BE BETWEEN 8 AND 10 FEET BGS. PER THE 2020 LABC CODE REQUIREMENT, THE EXCAVATION WILL NEED TO EXTEND LATERALLY 8 TO 10 FEET BEYOND EACH EDGE OF THE BUILDING. BASED ON THE PROPOSED LAYOUT OF THE HRC, IT WILL NOT BE FEASIBLE TO ACHIEVE THE REQUIRED LATERAL OVER–EXCAVATION ON THE WEST SIDE. (SECTION 6.3)

SHALLOW FOUNDATIONS – FOOTINGS

THE RECOMMENDATIONS PROVIDED IN SECTION 6.3 OF THE ORIGINAL REPORT REMAIN APPLICABLE. WE ANTICIPATE ALL FOOTINGS ALONG THE WEST SIDE OF THE PROPOSED BUILDING WILL BE EMBEDDED AT LEAST 6 INCHES INTO NATIVE SOIL. LATERAL OVER–EXCAVATION IS NOT ANTICIPATED IN THIS AREA.

BUREAU OF ENGINEERING
OFFICIAL RECORD

NOTE:
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Easton Fo — 5-2-24
SIGNATURE — DATE

REGISTERED PROFESSIONAL ENGINEER
EASTON RENE FORGEER
No. GE 2948
Exp.
GEOTECHNICAL
STATE OF CALIFORNIA

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LEHRER ARCHITECTS **LA**
Michael Lehrer, FAIA, Licensed No. C12215
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

ENGINEERING
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	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER — DATE:

ENGINEER: BARBARA L. HALL — LIC. NO.: 42206
ARCHITECTURAL DIVISION
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

REGISTERED PROFESSIONAL ENGINEERS
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: EXCAVATION PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C2.01
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PLOTTED:1/17/2024

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LEXINGTON AVE

C/L OF ST. 305.077' (305.035' FB 144-185 PG 150)

(311)

N89°56'25"W 225.31'

R/W 6'H CLF

DIRT

3'H CLF

4'H CLF

6'H CLF

10'H CLF

0.5'H WOOD WALL

18" SIGN

POOL SLIDE POST

DIVING BOARD

LIFE GAURD TOWER

HANDRAILS

POOL

6" STRIP DRAIN

BLEACHERS

TRANS

WATER

SEWER

DWY

BREATHER

6'W ENTRY

LIFEGUARD TOWER

3H VLT

LIMIT OF WORK

NOTE:
SEE STREET PLAN FOR OFF-SITE IMPROVEMENTS.

E C2.00

C C2.05

4" TYP.

3"

(309.18) BW FIELD VERIFY

(309.25) FS JOIN EXIST. FIELD VERIFY

40'

28'

12'

COLE AVE

CAHUENGA BLVD

C/L OF ST.

R/W

TYP.

PA

GB

AC

CB

VAULT

P

T

M

V

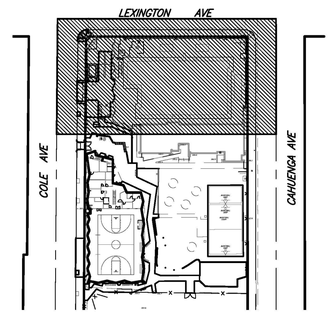
SEE SHEET C2.03 FOR CONTINUATION

CONSTRUCTION NOTES:

1. CONSTRUCT AC PAVEMENT & BASE PER DETAIL 8 ON SHEET C4.01.
2. TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS.
3. CONSTRUCT PEDESTRIAN PCC PAVEMENT PER DETAIL 2 ON SHEET C4.01.
4. CONSTRUCT VEHICULAR PCC PAVEMENT PER DETAIL 1 ON SHEET C4.01.
5. CONSTRUCT P.C.C. CURB PER DETAIL 4 ON SHEET C4.01.
6. AREA DRAIN. SEE SHEETS C3.01 & C3.02.
7. SCREEN WALL. SEE LANDSCAPE PLANS.
8. PARKWAY DRAIN. SEE STREET IMPROVEMENT PLAN.
9. DRIVEWAY APPROACH. SEE STREET IMPROVEMENT PLAN.
10. CONCRETE SEAT WALL. SEE LANDSCAPE PLANS.
11. CONSTRUCT CONCRETE STAIRS ON GRADE PER DETAIL 5 ON SHEET C4.01.
12. CATCH BASIN WITH FILTER. SEE STORM DRAIN PLAN, SHEET C3.01.
13. CONSTRUCT 0" CURB FACE PER DETAIL 7 ON SHEET C4.01.
14. STORM DRAIN DISTRIBUTION BOX. SEE SHEET C3.02.
15. CITY-DESIGNED/FURNISHED PLAYGROUND. PLAY EQUIPMENT SHOWN AS PLACEHOLDER ONLY.
16. TRENCH DRAIN WITH FILTER. SEE STORM DRAIN PLAN, SEE SHEET C3.01.
17. NON-FILTER CATCH BASIN. SEE STORM DRAIN PLAN, SHEET C3.01.
18. CONSTRUCT 0"-6" CURB FACE TRANSITION PER DETAIL 10 ON SHEET C4.01.
19. BURP STRUCTURE OUTLET. SEE STORM DRAIN PLAN SHEET C3.02.
20. DRYWELL SYSTEM. SEE STORM DRAIN PLAN SHEET C3.02.
21. STORMTANK STORAGE SYSTEM. SEE STORM DRAIN PLAN SHEET C3.02.
22. CONSTRUCT TRUNCATED DOMES PER DETAIL 11 ON SHEET C4.01.
23. CONSTRUCT GRASSY DRAINAGE SWALE PER DETAIL 13 ON SHEET C4.01.
24. CONSTRUCT CHAIN LINK FENCE POST FOOTING PER DETAIL 14 ON SHEET C4.01. FENCE PER ARCHITECTURAL PLANS.
25. CONSTRUCT PCC RETAINING WALL PER DETAIL 7 ON SHEET C4.03.
26. FLAG POLE. SEE ARCHITECUTRAL PLANS.

ADDITIVE ALTERNATIVE:

27. RESURFACE BASKETBALL COURT. PLACE 2" ASPHALT OVERLAY, D2-PG64-10 MIX. APPLY NEW BONDED SURFACE PER LANDSCAPE PLANS.



KEY MAP
NOT TO SCALE

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE WITH OUR RECOMMENDATIONS IN THE REPORTS DATED 3-25-20, 11-4-20 AND 12-8-22.

REGISTERED PROFESSIONAL ENGINEER — EASTON PENE FORDJOUR — No. GE 2948 — Exp. — GEOTECHNICAL — STATE OF CALIFORNIA

Easton Fo — 5-2-24
SIGNATURE — DATE

BUREAU OF ENGINEERING — CITY OF LOS ANGELES — OFFICIAL RECORD

0' 10'

Know what's below. Call before you dig. 811

BENCHMARK NO. 12-19011 EL. 302.04 FT.

SPK N CURB SANTA MONICA BLVD; 1.5 FT E OF BCR E OF CAHUENGA BLVD; W END CB

NAVD 1988, 2000 ADJ.

LEHRER ARCHITECTS LA
Michael Lehrer, Kevin Klek, Lucas Nichols
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

ENGINEERING — CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	BID SET	REVISION DESCRIPTION	DATE	BY

BUILDING NO. -

INDEX NO. RP-300126

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER

GARY LEE MOORE, P.E., ENV SP

ARCHITECTURAL DIVISION

ENGINEER: BARBARA L. HALL LIC. NO.: 42206 DATE:

DESIGNED BY: BLH

DRAWN BY: GY

CHECKED BY: BLH

APPROVED BY: BLH

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: GRADING PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. C2.02

SHEET O F SHEETS

PLOTTED:1/17/2024

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:

REVISION DATES (DESIGN STAGE ONLY)

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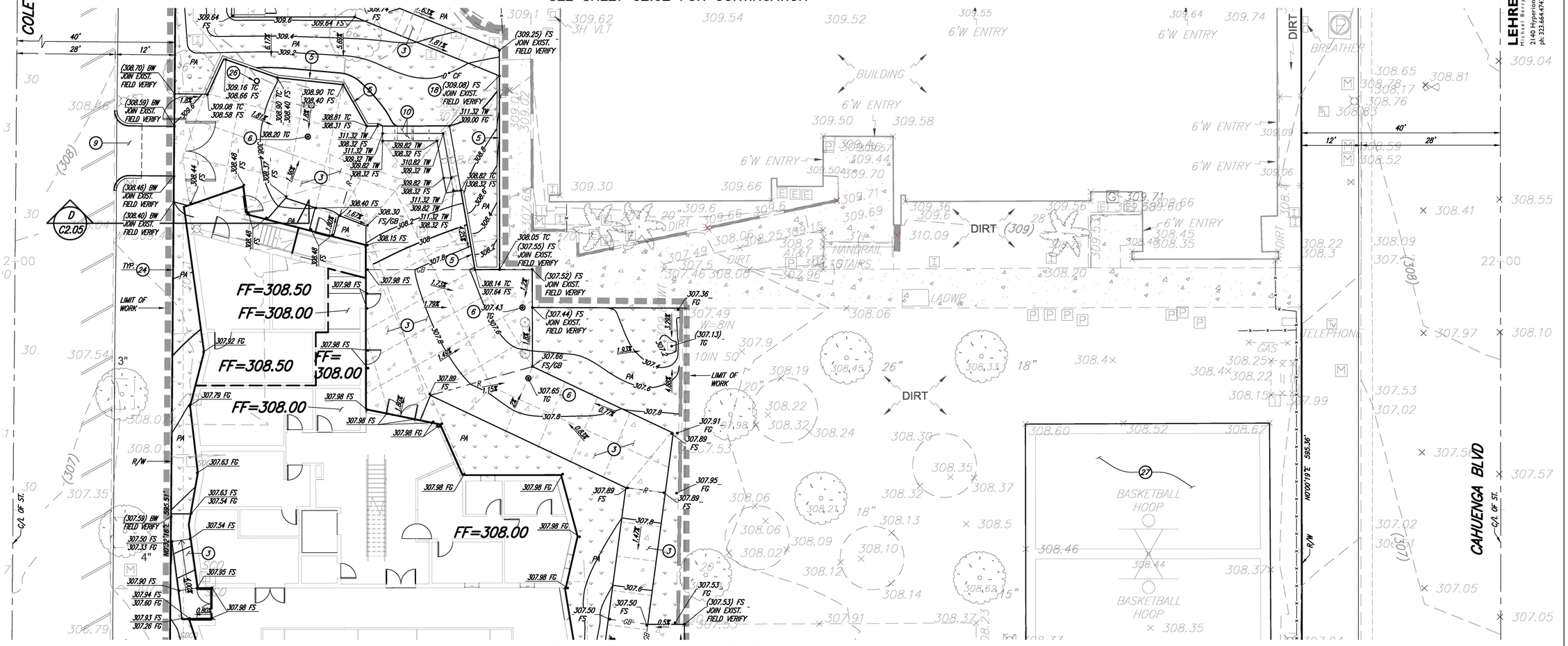
SEE SHEET C2.02 FOR CONTINUATION

NOTE:
SEE STREET PLAN FOR OFF-SITE IMPROVEMENTS.



SEE SHEET C2.04 FOR CONTINUATION

CONSTRUCTION NOTES:

1. CONSTRUCT AC PAVEMENT & BASE PER DETAIL 8 ON SHEET C4.01.
2. TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS.
3. CONSTRUCT PEDESTRIAN PCC PAVEMENT PER DETAIL 2 ON SHEET C4.01.
4. CONSTRUCT VEHICULAR PCC PAVEMENT PER DETAIL 1 ON SHEET C4.01.
5. CONSTRUCT P.C.C. CURB PER DETAIL 4 ON SHEET C4.01.
6. AREA DRAIN. SEE SHEETS C3.01 & C3.02.
7. SCREEN WALL. SEE LANDSCAPE PLANS.
8. PARKWAY DRAIN. SEE STREET IMPROVEMENT PLAN.
9. DRIVEWAY APPROACH. SEE STREET IMPROVEMENT PLAN.
10. CONCRETE SEAT WALL. SEE LANDSCAPE PLANS.
11. CONSTRUCT CONCRETE STAIRS ON GRADE PER DETAIL 5 ON SHEET C4.01.
12. CATCH BASIN WITH FILTER. SEE STORM DRAIN PLAN, SHEET C3.01.
13. CONSTRUCT 0" CURB FACE PER DETAIL 7 ON SHEET C4.01.
14. STORM DRAIN DISTRIBUTION BOX. SEE SHEET C3.02.
15. CITY-DESIGNED/FURNISHED PLAYGROUND. PLAY EQUIPMENT SHOWN AS PLACEHOLDER ONLY.
16. TRENCH DRAIN WITH FILTER. SEE STORM DRAIN PLAN, SEE SHEET C3.01.
17. NON-FILTER CATCH BASIN. SEE STORM DRAIN PLAN, SHEET C3.01.
18. CONSTRUCT 0"-6" CURB FACE TRANSITION PER DETAIL 10 ON SHEET C4.01.
19. BURP STRUCTURE OUTLET. SEE STORM DRAIN PLAN SHEET C3.02.
20. DRYWELL SYSTEM. SEE STORM DRAIN PLAN SHEET C3.02.
21. STORMTANK STORAGE SYSTEM. SEE STORM DRAIN PLAN SHEET C3.02.
22. CONSTRUCT TRUNCATED DOMES PER DETAIL 11 ON SHEET C4.01.
23. CONSTRUCT GRASSY DRAINAGE SWALE PER DETAIL 13 ON SHEET C4.01.
24. CONSTRUCT CHAIN LINK FENCE POST FOOTING PER DETAIL 14 ON SHEET C4.01. FENCE PER ARCHITECTURAL PLANS.
25. CONSTRUCT PCC RETAINING WALL PER DETAIL 7 ON SHEET C4.03.
26. FLAG POLE. SEE ARCHITECUTRAL PLANS.

ADDITIVE ALTERNATIVE:

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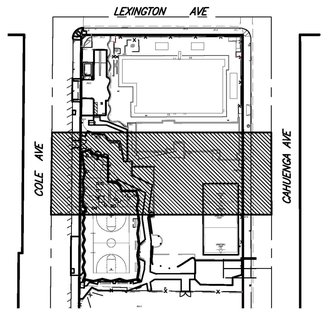

KEY MAP
NOT TO SCALE

BUREAU OF ENGINEERING
OFFICIAL RECORD

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REGISTERED PROFESSIONAL ENGINEER — EASTON RENE FORDER — No. GE 2948 — Exp. ____ — GEOTECHNICAL — STATE OF CALIFORNIA

Easton Forder — 5-2-24
SIGNATURE — DATE

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NAVD 1988, 2000 ADJ.

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Michael Lehrer + Kevin Kelly, Licensed Architects
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.4566 lehrerarchitects.com

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
DATE:
ENGINEER: BARBARA L. HALL LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: GRADING PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

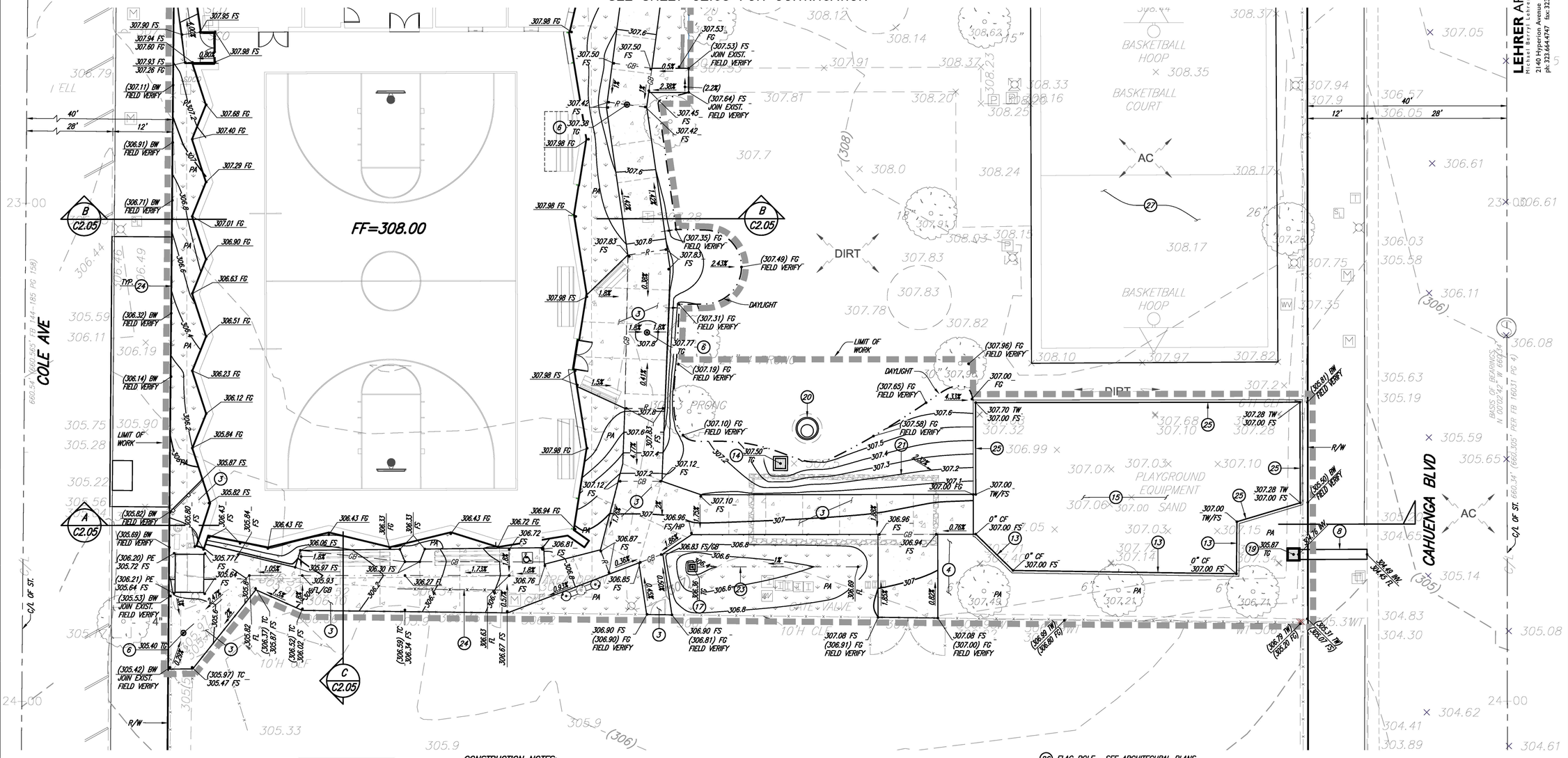
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C2.03
SHEET 0 OF SHEETS

PLOTTED:1/17/2024

TTLB TEMPLATE REVISION DATE: 06/30/2016 FILE PATH:
SHEET ISSUE DATE:
REVISION DATES (DESIGN STAGE ONLY)

SEE SHEET C2.03 FOR CONTINUATION



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NOTE:
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6. AREA DRAIN. SEE SHEETS C3.01 & C3.02.
7. SCREEN WALL. SEE LANDSCAPE PLANS.
8. PARKWAY DRAIN. SEE STREET IMPROVEMENT PLAN.
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11. CONSTRUCT CONCRETE STAIRS ON GRADE PER DETAIL 5 ON SHEET C4.01.
12. CATCH BASIN WITH FILTER. SEE STORM DRAIN PLAN, SHEET C3.01.
13. CONSTRUCT 0" CURB FACE PER DETAIL 7 ON SHEET C4.01.
14. STORM DRAIN DISTRIBUTION BOX. SEE SHEET C3.02.
15. CITY-DESIGNED/FURNISHED PLAYGROUND. PLAY EQUIPMENT SHOWN AS PLACEHOLDER ONLY.
16. TRENCH DRAIN WITH FILTER. SEE STORM DRAIN PLAN, SEE SHEET C3.01.
17. NON-FILTER CATCH BASIN. SEE STORM DRAIN PLAN, SHEET C3.01.
18. CONSTRUCT 0"-6" CURB FACE TRANSITION PER DETAIL 10 ON SHEET C4.01.
19. BURP STRUCTURE OUTLET. SEE STORM DRAIN PLAN SHEET C3.02.
20. DRYWELL SYSTEM. SEE STORM DRAIN PLAN SHEET C3.02.
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REGISTERED PROFESSIONAL ENGINEER EASTON RENE FORDER No. GE 2948 Exp. GEOTECHNICAL STATE OF CALIFORNIA

Easton Fo — 5-2-24
SIGNATURE — DATE

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BENCHMARK NO. 12-19011 EL. 302.04 FT.
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NAVD 1988, 2000 ADJ.

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

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LEHRER ARCHITECTS LA
Michael Lehrer FAIA, Lucien Nicita AIA
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/26 CIVIL STATE OF CALIFORNIA

CITY ENGINEER	
DATE:	
ENGINEER:	BARBARA L. HALL
LIC. NO.:	42206
DESIGNED BY:	BLH
DRAWN BY:	GY
CHECKED BY:	BLH
APPROVED BY:	BLH

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: GRADING PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C2.04
SHEET NO OF SHEETS

PLOTTED:1/17/2024

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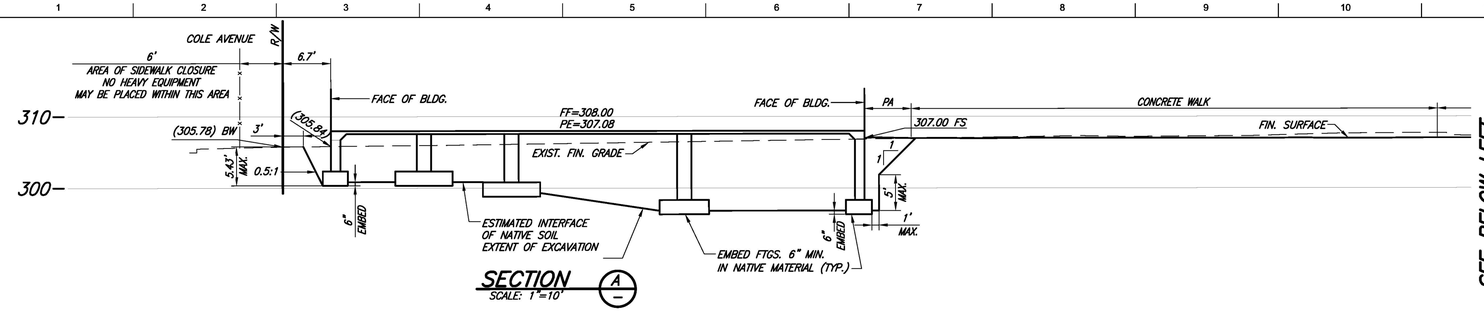

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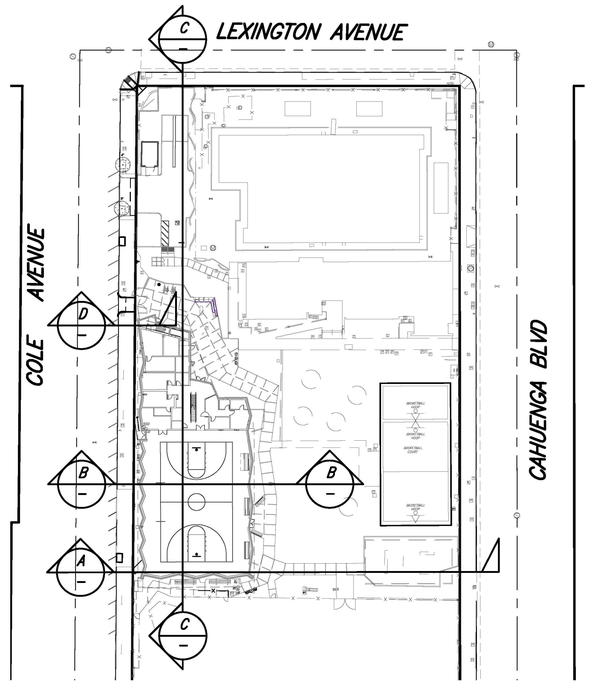
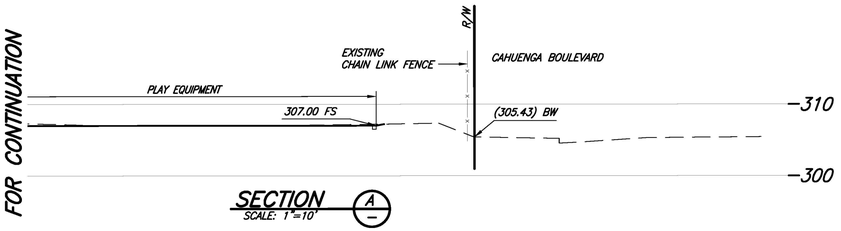
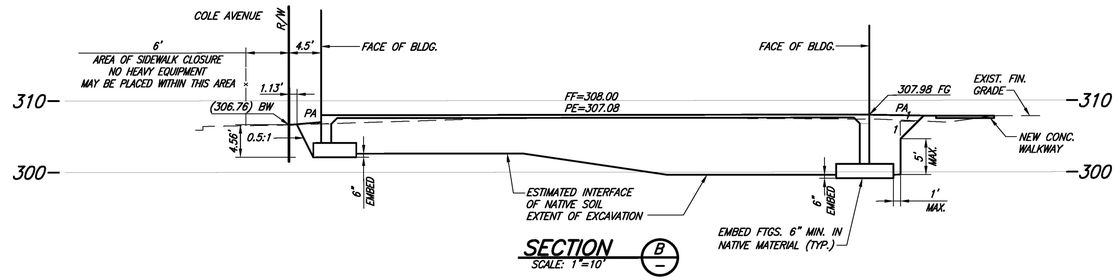
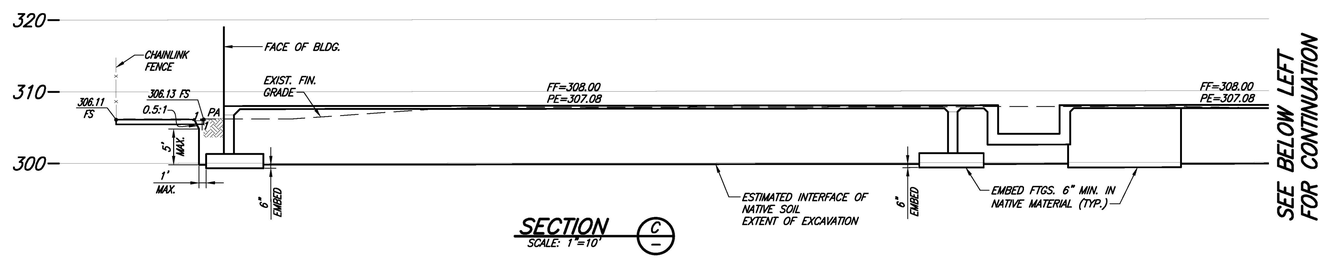


KEY MAP
SCALE: 1"=50'

SEE ABOVE RIGHT FOR CONTINUATION







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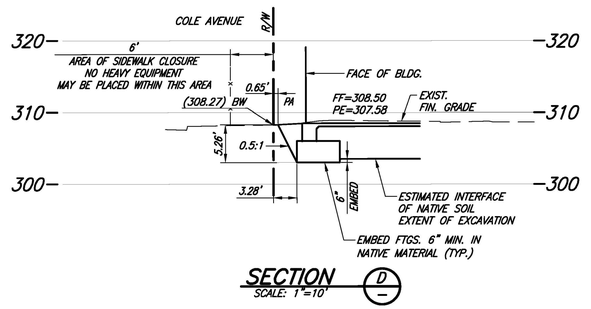

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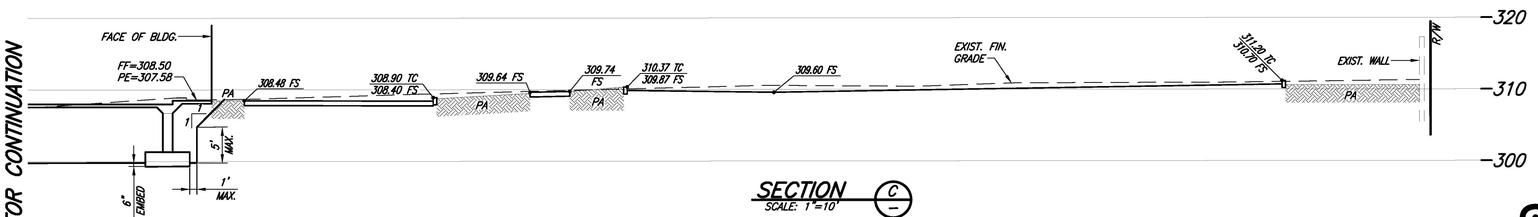

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REGISTERED PROFESSIONAL ENGINEER
EASTON RENE FORSTER
No. GE 2948
Exp.
GEOTECHNICAL
STATE OF CALIFORNIA

Easton Fo 5-2-24
SIGNATURE DATE

Know what's below. Call before you dig.

BENCHMARK NO. 12-19011 EL. 302.04 FT.

SPK N CURB SANTA MONICA BLVD; 1.5 FT E OF BCR E OF CAHUENGA BLVD; W END CB

NAVD 1988, 2000 ADJ.

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER DATE:

ENGINEER: BARBARA L. HALL LIC. NO.: 42206
ARCHITECTURAL DIVISION

DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CITY OF LOS ANGELES

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: SECTIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. C2.05

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PLOTTED:1/17/2024

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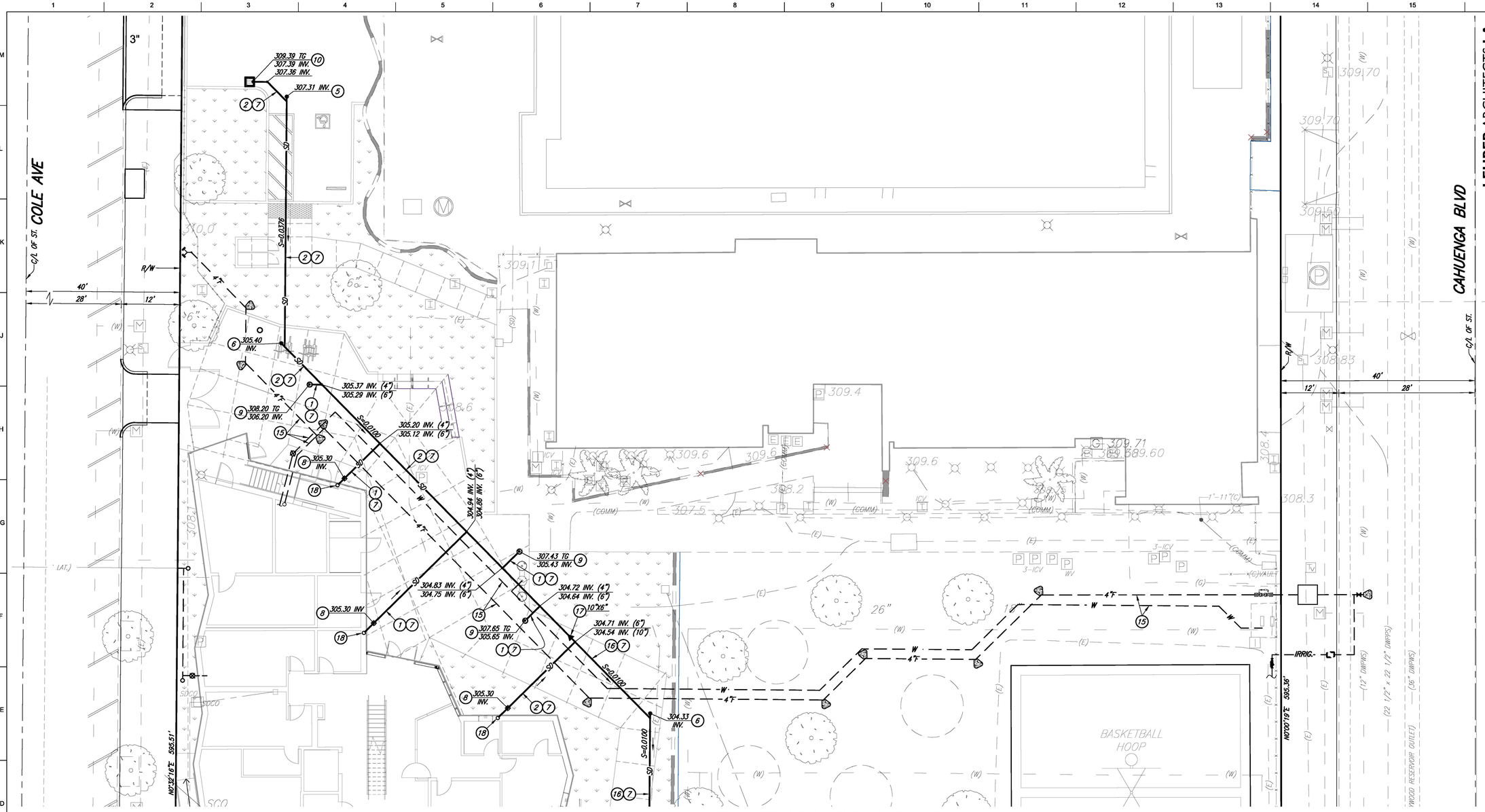

SEE SHEET C3.02 FOR CONTINUATION

CONSTRUCTION NOTES:

1. FURNISH & INSTALL 4"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
2. FURNISH & INSTALL 6"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
3. FURNISH & INSTALL 8"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
4. CONSTRUCT DRAIN CLEANOUT IN LANDSCAPE AREA PER DETAIL 1 ON SHEET C4.02.
5. CONSTRUCT DRAIN CLEANOUT IN AC PAVEMENT PER DETAIL 2 ON SHEET C4.02.
6. CONSTRUCT DRAIN CLEANOUT IN PEDESTRIAN PCC PAVEMENT PER DETAIL 3 ON SHEET C4.02.
7. BACKFILL TRENCH PER DETAIL 4 ON SHEET C4.02.
8. POINT OF CONNECTION. SEE PLUMBING PLANS.
9. CONSTRUCT AREA DRAIN PER DETAIL 5 ON SHEET C4.02.
10. CONSTRUCT FILTER CATCH BASIN PER DETAIL 6 ON SHEET C4.02.
11. CONSTRUCT BURP STRUCTURE OUTLET PER DETAIL 7 ON SHEET C4.02.
12. CONSTRUCT 60"ø MODIFIED MAXWELL IV DRYWELL SYSTEM PER DETAIL ON SHEET C4.04.
13. CONSTRUCT STORMTANK STORAGE SYSTEM PER DETAILS ON SHEETS C4.05 AND C4.06.
14. CONSTRUCT DISTRIBUTION BOX PER DETAIL 1 ON SHEET C4.03.
15. NEW UTILITY LINE. SEE UTILITY PLAN SHEET C3.03.
16. FURNISH & INSTALL 10"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
17. FURNISH & INSTALL REDUCER. SEE PLAN FOR SIZE.
18. CONSTRUCT INTERIOR ROOF DRAIN PER DETAIL 12 ON SHEET C4.01.
19. CONSTRUCT OBSERVATION PORT PER DETAIL ON SHEET C4.05.
20. CONSTRUCT NON-FILTER CATCH BASIN PER DETAIL 8 ON SHEET C4.02.

NOTE:
ANY CHANGES (TYPE, SIZE LOCATION) TO APPROVED STORMWATER BEST MANAGEMENT PRACTICE(S) (BMPS) MUST OBTAIN WRITTEN APPROVAL FROM LOS ANGELES, DEPARTMENT OF PUBLIC WORKS, BUREAU OF SANITATION PRIOR TO CONSTRUCTION OF BMP(S).

NOTE:
THE EXISTENCE & LOCATION OF ANY UNDER-GROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS DRAWING. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN & ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING.

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE WITH OUR RECOMMENDATIONS IN THE REPORTS DATED 3-25-20, 11-4-20 AND 12-8-22.

Easton Fo — 5-2-24
SIGNATURE — DATE

REGISTERED PROFESSIONAL ENGINEER EASTON RENE FORCIER No. GE 2948 Exp. GEOTECHNICAL STATE OF CALIFORNIA

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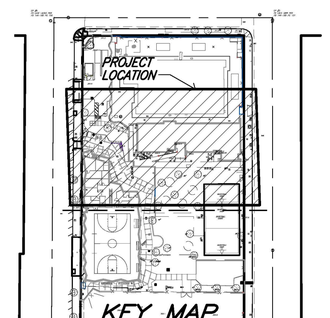

KEY MAP
SCALE: 1"=100'

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DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — DATE:

NO.	REVISION DESCRIPTION	DATE	BY
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ENGINEER: BARBARA L. HALL — LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
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APPROVED BY: BLH

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEERS BARBARA L. HALL No. 42206 Exp. 03/31/26 CIVIL STATE OF CALIFORNIA

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: STORM DRAIN PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C3.01
SHEET 0 OF SHEETS

PLOTTED:1/17/2024

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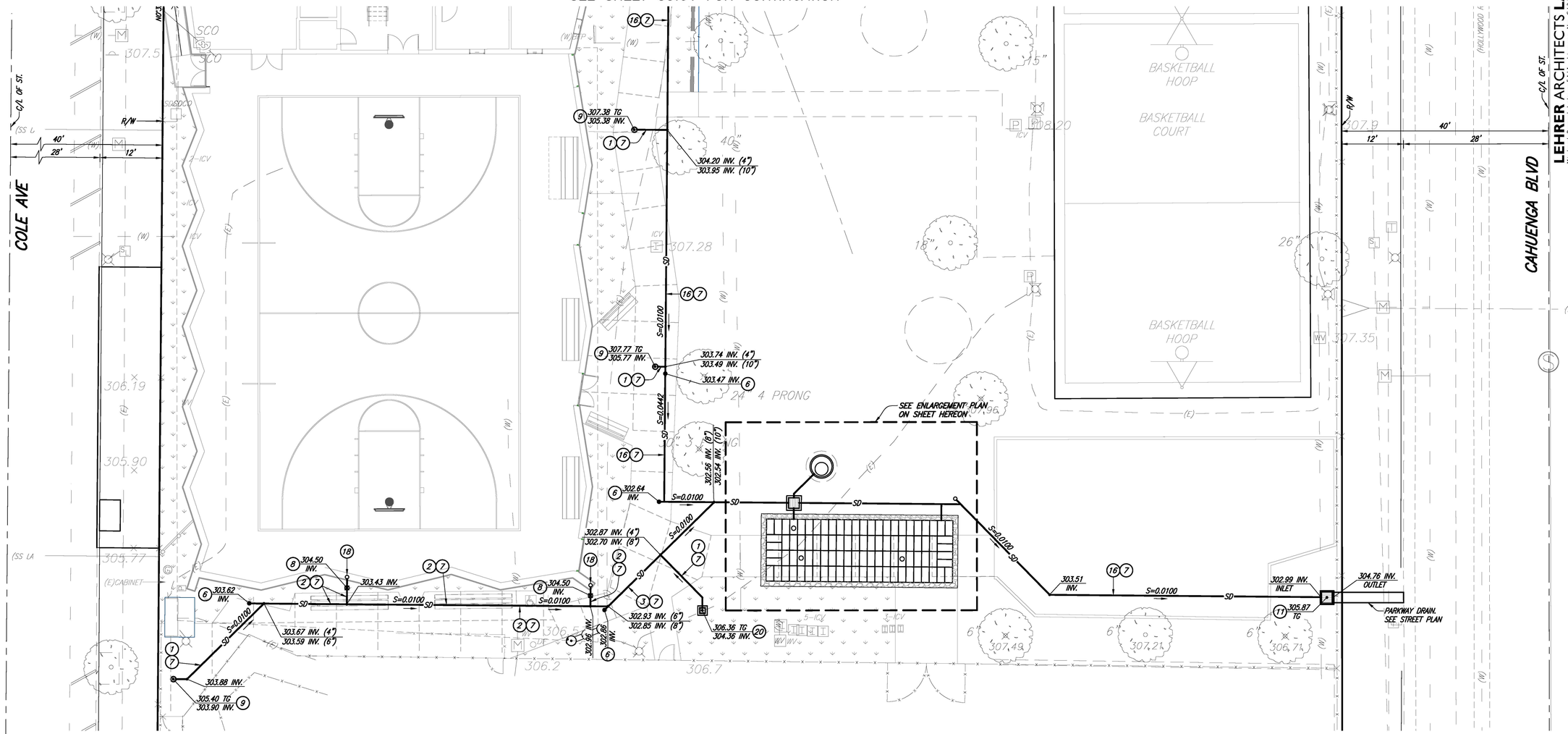
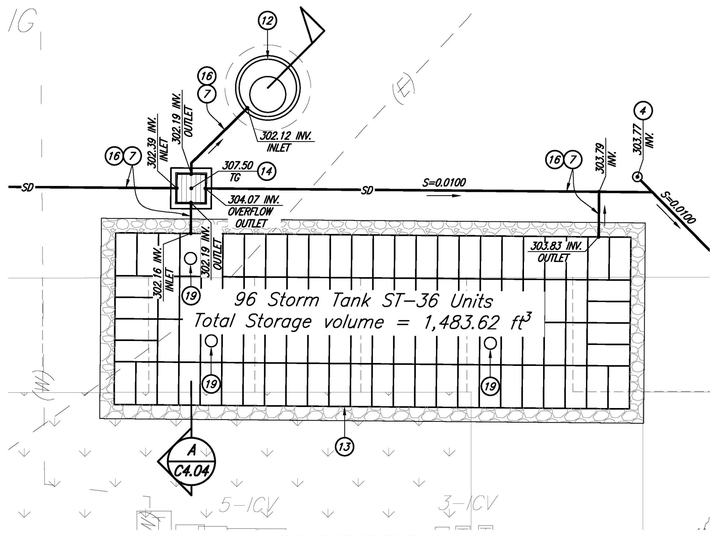
REVISION DATES (DESIGN STAGE ONLY)

SEE SHEET C3.01 FOR CONTINUATION





ENLARGEMENT PLAN

SCALE: 1" = 5'

CONSTRUCTION NOTES:

1. FURNISH & INSTALL 4"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
2. FURNISH & INSTALL 6"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
3. FURNISH & INSTALL 8"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
4. CONSTRUCT DRAIN CLEANOUT IN LANDSCAPE AREA PER DETAIL 1 ON SHEET C4.02.
5. CONSTRUCT DRAIN CLEANOUT IN AC PAVEMENT PER DETAIL 2 ON SHEET C4.02.
6. CONSTRUCT DRAIN CLEANOUT IN PEDESTRIAN PCC PAVEMENT PER DETAIL 3 ON SHEET C4.02.
7. BACKFILL TRENCH PER DETAIL 4 ON SHEET C4.02.
8. POINT OF CONNECTION. SEE PLUMBING PLANS.
9. CONSTRUCT AREA DRAIN PER DETAIL 5 ON SHEET C4.02.
10. CONSTRUCT FILTER CATCH BASIN PER DETAIL 6 ON SHEET C4.02.
11. CONSTRUCT BURP STRUCTURE OUTLET PER DETAIL 7 ON SHEET C4.02.
12. CONSTRUCT 60"ø MODIFIED MAXWELL IV DRYWELL SYSTEM PER DETAIL ON SHEET C4.04.
13. CONSTRUCT STORMTANK STORAGE SYSTEM PER DETAILS ON SHEETS C4.05 AND C4.06.
14. CONSTRUCT DISTRIBUTION BOX PER DETAIL 1 ON SHEET C4.03.
15. NEW UTILITY LINE. SEE UTILITY PLAN SHEET C3.03.
16. FURNISH & INSTALL 10"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
17. FURNISH & INSTALL REDUCER. SEE PLAN FOR SIZE.
18. CONSTRUCT INTERIOR ROOF DRAIN PER DETAIL 12 ON SHEET C4.01.
19. CONSTRUCT OBSERVATION PORT PER DETAIL ON SHEET C4.05.
20. CONSTRUCT NON-FILTER CATCH BASIN PER DETAIL 8 ON SHEET C4.02.

0' 10'

NOTE:
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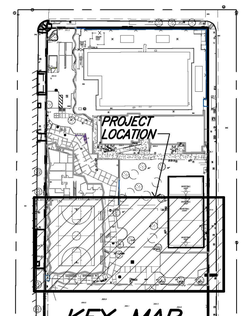
NOTE:
ANY CHANGES (TYPE, SIZE LOCATION) TO APPROVED STORMWATER BEST MANAGEMENT PRACTICE(S) (BMPS) MUST OBTAIN WRITTEN APPROVAL FROM LOS ANGELES, DEPARTMENT OF PUBLIC WORKS, BUREAU OF SANITATION PRIOR TO CONSTRUCTION OF BMP(S).

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE WITH OUR RECOMMENDATIONS IN THE REPORTS DATED 3-25-20, 11-4-20 AND 12-8-22.

Easton Fo — 5-2-24
SIGNATURE — DATE

REGISTERED PROFESSIONAL ENGINEER EASTON RENE FORCIER No. GE 2948 Exp. GEOTECHNICAL STATE OF CALIFORNIA

BUREAU OF ENGINEERING OFFICIAL RECORD



KEY MAP
SCALE: 1"=100'

811 Know what's below. Call before you dig.

BENCHMARK NO. 12-19011 EL. 302.04 FT.
SPK N CURB SANTA MONICA BLVD; 1.5 FT E OF BCR E OF CAHUENGA BLVD; W END CB
NAVD 1988, 2000 ADJ.

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

LEHRER ARCHITECTS LA
Michael Lehrer, FAIA, Lucas Nichols, AIA
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES
ENGINEERING
CITY OF LOS ANGELES
BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/26 CIVIL STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
ENGINEER: BARBARA L. HALL — LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: STORM DRAIN PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

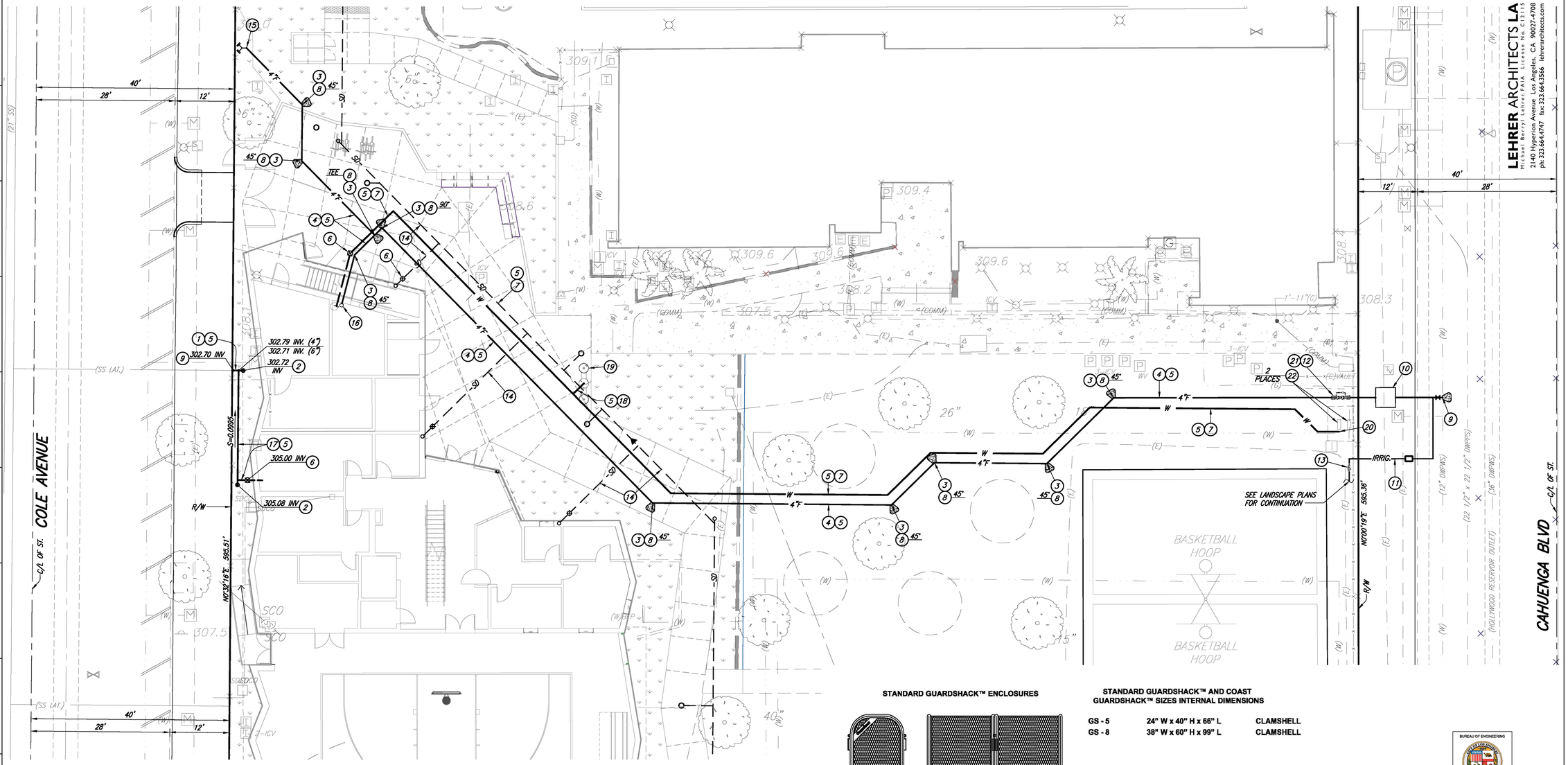
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C3.02
SHEET 0 OF SHEETS

PLOTTED:1/17/2024

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE:
FILE PATH:
REVISION DATES (DESIGN STAGE ONLY)



CONSTRUCTION NOTES:

1. FURNISH & INSTALL 6"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
2. CONSTRUCT SEWER CLEANOUT IN PLANTER AREA PER DETAIL 1 ON SHEET C4.02.
3. CONSTRUCT CONCRETE THRUST BLOCK PER DETAIL 6 ON SHEET C4.03.
4. FURNISH & INSTALL 4"ø C900, CLASS 200, PVC PIPE WITH DUCTILE IRON FITTINGS.
5. BACKFILL TRENCH PER DETAIL 4 ON SHEET C4.02.
6. POINT OF CONNECTION. SEE PLUMBING PLANS.
7. FURNISH & INSTALL 2-1/2"ø TYPE K COPPER WATER PIPING.
8. FURNISH & INSTALL D.I. FITTING. SEE PLAN FOR TYPE.
9. CONNECT TO EXISTING UTILITY. POTHOLE & FIELD VERIFY SIZE & DEPTH PRIOR TO CONSTRUCTION.
10. 4" FIRE SERVICE ASSEMBLY TO BE CONSTRUCTED BY LADWP FROM METER TO EXIST. WATER LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH LADWP.
11. 2" IRRIGATION SERVICE ASSEMBLY TO BE CONSTRUCTED BY LADWP FROM METER TO EXIST. WATER LINE IN THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL COORDINATE SERVICE AND INSTALLATION WITH LADWP.
12. FURNISH & INSTALL REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY PER DETAIL 2 ON SHEET C4.03.
13. FURNISH & INSTALL REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY PER DETAIL 2 ON SHEET C4.03.
14. NEW STORM DRAIN. SEE SHEETS C3.01 & C3.02.
15. FURNISH & INSTALL FIRE DEPARTMENT CONNECTION PER DETAIL 4 ON SHEET C4.03.
16. FURNISH & INSTALL SPRINKLER RISER STUB PER DETAIL 5 ON SHEET C4.03.
17. FURNISH & INSTALL 4"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
18. FURNISH & INSTALL 1 1/2"ø SCHEDULE 40 PVC DWV PIPE & FITTINGS.
19. DRINKING FOUNTAIN & BASE PLATE. SEE LANDSCAPE PLANS.
20. CONNECT TO EXISTING BACKFLOW PREVENTION ASSEMBLY.
21. FURNISH & INSTALL SECURITY CAGE ENCLOSURE, GUARDSHACK MODEL NO. GS-8, PER DETAIL HEREON.
22. REMOVE EXISTING SECURITY CAGE ENCLOSURE AT EXISTING BACKFLOW PREVENTOR. FURNISH & INSTALL SECURITY CAGE ENCLOSURE, GUARDSHACK MODEL NO. GS-5, PER DETAIL HEREON.

STANDARD GUARDSHACK™ ENCLOSURES

STANDARD GUARDSHACK™ AND COAST GUARDSHACK™ SIZES INTERNAL DIMENSIONS

GS - 5	24" W x 40" H x 66" L	CLAMSHELL
GS - 8	38" W x 60" H x 99" L	CLAMSHELL

GUARDSHACK™ GENERAL SPECIFICATIONS

- All pipe shall be 1 ¼" schedule 40 A.S.T.M. A-53 Grade A- Electric Weld pipe.
- Angle Iron shall be 1" x 1" x ⅛" steel.
- Stainless steel units shall be 1 ¼" schedule 10 A.S.T. M. A-312 304 S.S.
- Expanded metal shall be ½" spacing x # 13 Ga. flattened diamond pattern steel.
- All hinges shall have hidden/internal mounting points.
- All stainless steel shall be sandblasted after fabrication to remove burrs, flashing and sharp edges.
- There shall be no exposed ends of expanded metal on the outside of the enclosure.
- Welding shall be a minimum of ¼" long welds on 4" spacing.
- Hardware kits provided for mounting enclosures. See HK-300/HK-700 for hardware specifications.
- On 304 S.S. units, all hinges, exposed hardware, and brackets shall be 304 S.S.
- All hardware shall be securely attached to enclosures.
- All enclosures shall withstand a minimum of 200 lbs. per square foot without any permanent deflection or distortion.
- 3/8" spacing between angle iron framework of enclosure and slab to prevent rusting. Only pipe ends to touch slab.

POWDERCOATED UNITS

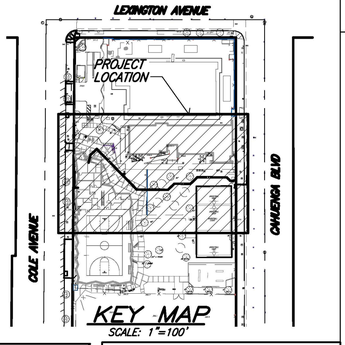
Pre-powdercoat Treatment Process
Clean GuardShack™ unit with a S-44 alkaline cleaner, overflow rinse, apply an AC-8115 iron phosphate treatment, overflow rinse and finish with a #198 sealer rinse to prevent rusting and improve adhesion.

Powdercoat Treatment Process
Units shall be preheated and coated by electrostatic application of 2.0 to 3.5 mil thickness on all surfaces. Powder shall be RAL 1019 Woodlands Tan or TCI 8810-6058 Forest Green or approved equal Impact Resistance Finish 160 inch pounds direct 160 inch pounds reverse, per ASTM D-2794 specs. Gloss Finish >85, per ASTM D-523. Adhesion to be rated excellent when tested to ASTM D-3359 standards.

STAINLESS STEEL ELECTRO-POLISH FINISH

All 304 Stainless Steel units shall be chemically electro-polished to impart a lustrous finish to the unit.

SECURITY CAGE ENCLOSURE (1)
NTS



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ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

BUREAU OF ENGINEERING
OFFICIAL RECORD

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REVISION DATES (DESIGN STAGE ONLY)

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	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
DATE:
ENGINEER: BARBARA L. HALL — LIC. NO.: 42206 — ARCHITECTURAL DIVISION
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

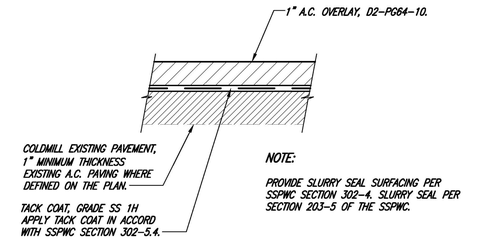
SHEET TITLE: UTILITY PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

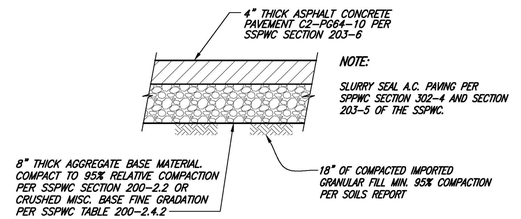
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C3.03
SHEET O F SHEETS

PLOTTED:1/17/2024



ASPHALT CONCRETE OVERLAY (9)
NTS



ASPHALT CONCRETE PAVEMENT (8)
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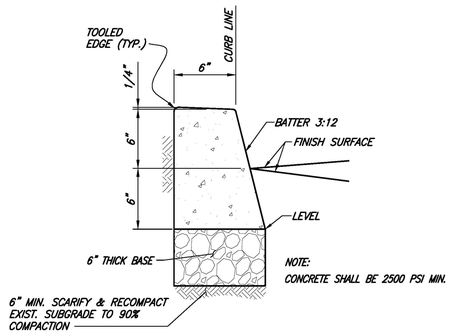

6" CURB (4)
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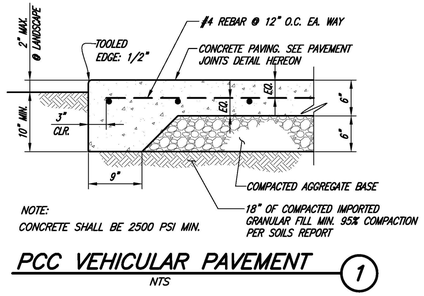

PCC VEHICULAR PAVEMENT (1)
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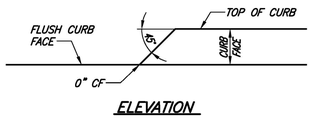

0"-6" CURB FACE TRANSITION (10)
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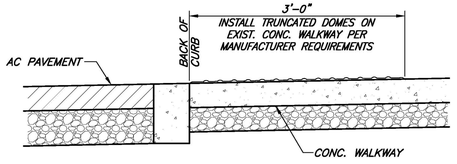

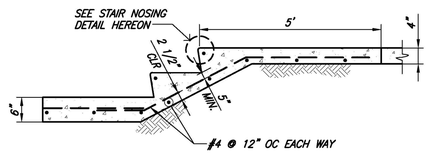

STAIR ON GRADE (5)
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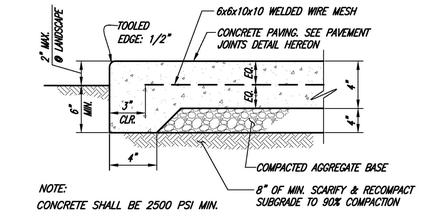

PCC PEDESTRIAN PAVEMENT (2)
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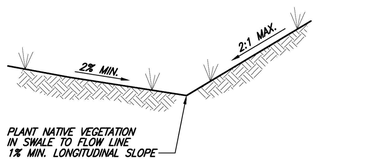
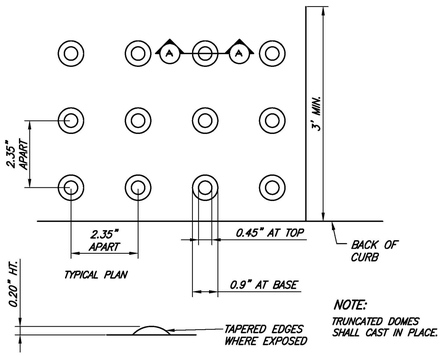
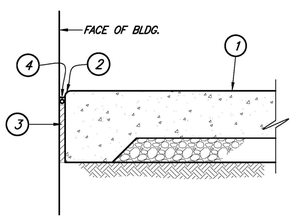


GRASSY DRAINAGE SWALE (13)
NTS

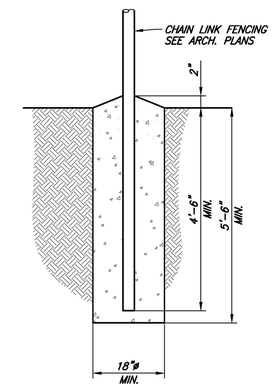


TRUNCATED DOMES ON NEW CONC. WALKWAY (11)
NTS

STEP NOSING (6)
NTS

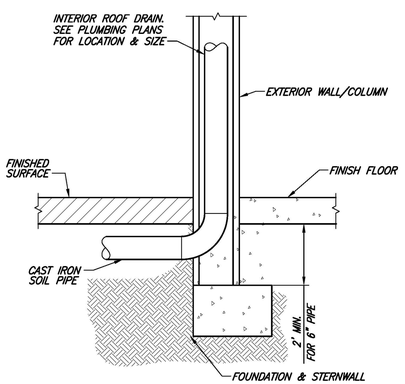


CONCRETE PAVEMENT @ BLDG.



NOTE:
CONCRETE SHALL BE 2500 PSI MIN.

CHAIN LINK FENCE POST FOOTING (14)
NTS



INTERIOR ROOF DRAIN (12)
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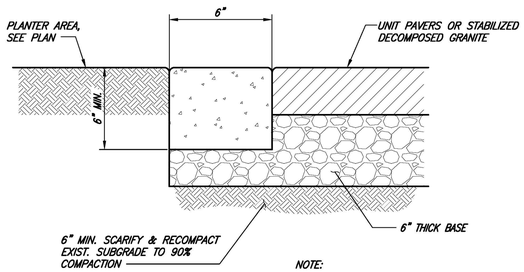
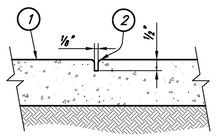


0" CURB FACE/MOW STRIP (7)
NTS

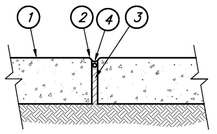
NOTE:

SEE ARCHITECTURAL PLANS FOR SCORING & JOINT PATTERNS.

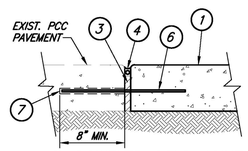
MINIMUM REQUIREMENTS:
- E.J.'S @ 20' O.C. EACH WAY
- C.J.'S @ 5' O.C. EACH WAY FOR PEDESTRIAN
- C.J.'S @ 10' O.C. EACH WAY FOR VEHICULAR



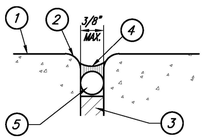
A. CONTROL JOINT



B. EXPANSION JOINT WITH SEALANT



C. DOWELED COLD JOINT
@ JOIN W/EXISTING PCC PAVEMENT



TYPICAL ENLARGEMENT OF JOINT

LEGEND:
1. CONC. PAVING
2. 1/4" TOOLED RADIUS EDGE OR SAWCUT JOINT
3. PREMOLDED BITUMINOUS EXPANSION JOINT FILLER PER SSPWC SECTIONS 201-3.2 WITH TYPE "A" SEALANT 201-3.4
4. SEALANT W/SAND FINISH - COLOR TO BE SELECTED BY ARCH. SUBMIT COLOR SAMPLES PRIOR TO INSTALLATION
5. BACKER ROD
6. #4x18" DOWEL @ 36" O.C., CTR. IN CONC.
7. DRILLED EPOXY DOWEL

PCC PAVEMENT JOINTS (3)
NTS

BUREAU OF ENGINEERING
OFFICIAL RECORD

LEHRER ARCHITECTS **LA**
Michael Lehrer FAIA, License No. C12115
2140 Hyperion Avenue, Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

Barbara L. Hall, P.E., Inc.
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CITY OF LOS ANGELES
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No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

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GENERAL MANAGER : NEIL DRUCKER
SHEET TITLE: DETAILS
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

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PLOTTED: 1/17/2024

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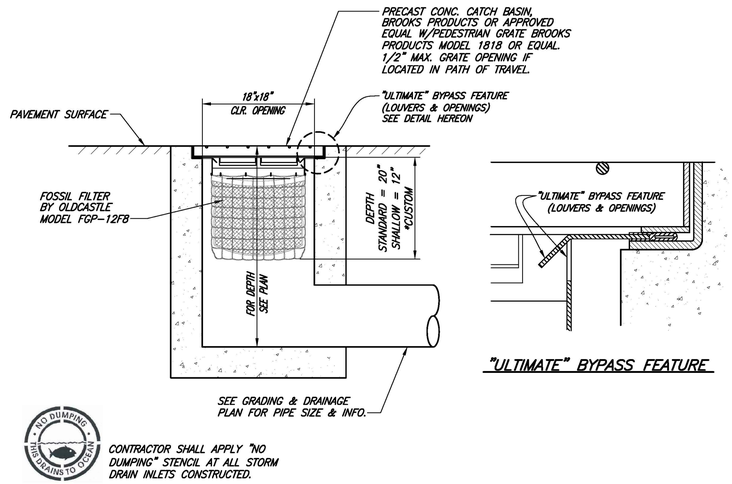
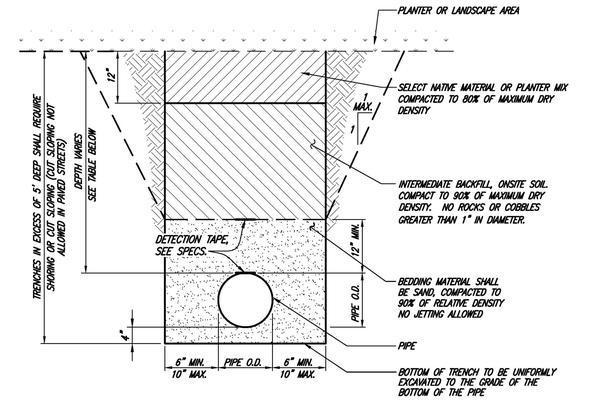
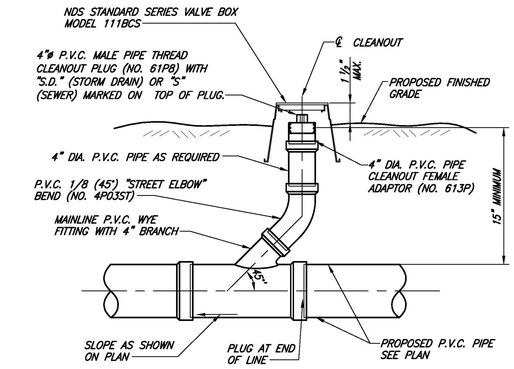
FILE PATH:

REVISION DATES (DESIGN STAGE ONLY)



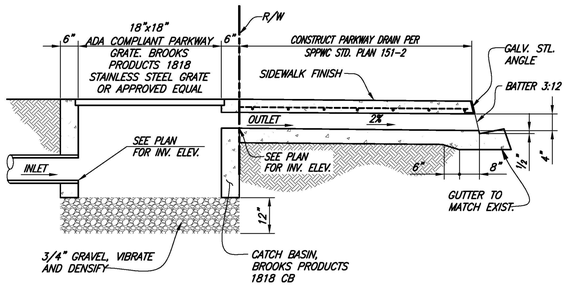
FILTER CATCH BASIN 6
NTS



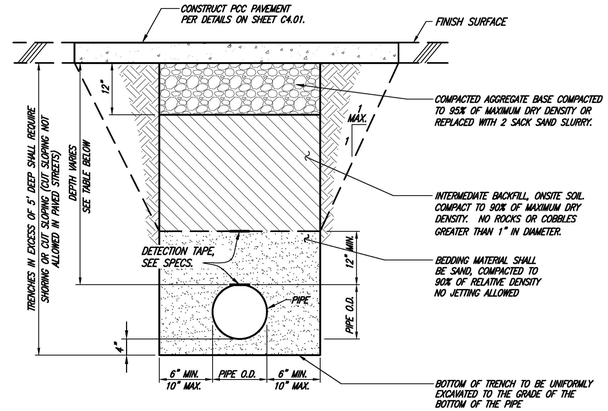


SEWER OR DRAIN CLEANOUT IN LANDSCAPE AREA 1
NTS

LEHRER ARCHITECTS **LA**
Michael Berk Lehrer, FAIA License No. C 12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com



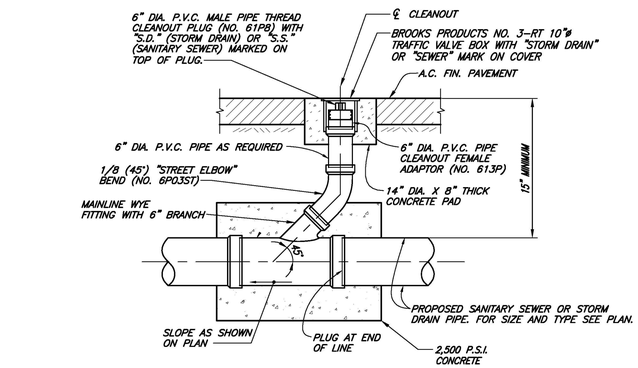
BURP STRUCTURE OUTLET 7
NTS



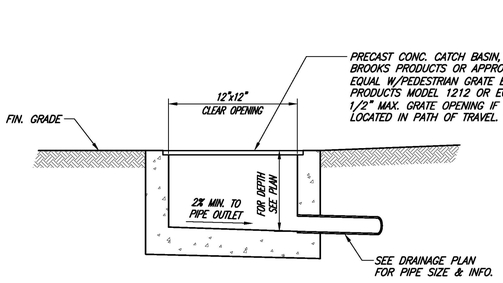
UTILITY	MINIMUM DEPTH OF COVER
STORM DRAIN	SEE PLAN FOR DEPTH
SANITARY SEWER	SEE PLAN FOR DEPTH
POTABLE WATER	42 INCHES
FIRE LINE	42 INCHES
GAS	36 INCHES

SEWER LINE INVERT SHALL BE DEEPER THAN ADJACENT OR CROSSING POTABLE WATER LINE INVERT(S) BY AT LEAST ONE FOOT VERTICALLY.

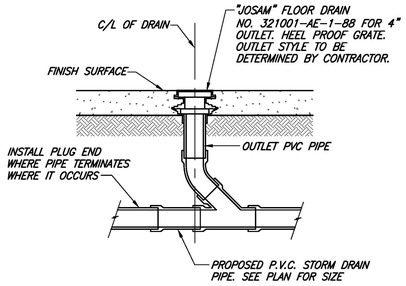
TRENCH BACKFILL 4
NTS



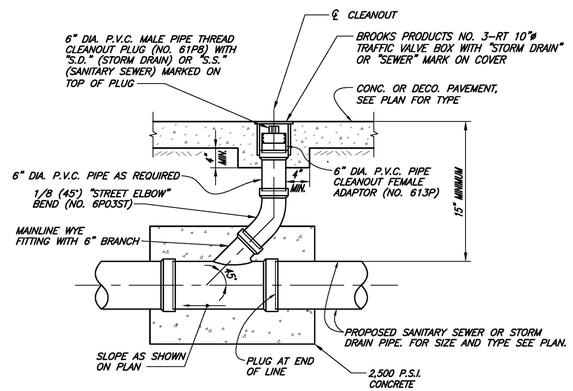
6" SEWER OR DRAIN CLEANOUT IN A.C. PAVEMENT 2
NTS



NON-FILTER CATCH BASIN 8
NTS



AREA DRAIN 5
NTS



6" SEWER OR DRAIN CLEANOUT IN PEDESTRIAN PCC PAVEMENT 3
NTS

BUREAU OF ENGINEERING
OFFICIAL RECORD

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER BARBARA L. HALL No. 42206 Exp. 03/31/26 CIVIL STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ENGINEER: BARBARA L. HALL
LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER
SHEET TITLE: DETAILS
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C4.02
SHEET 0 OF SHEETS

PLOTTED: 1/17/2024

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

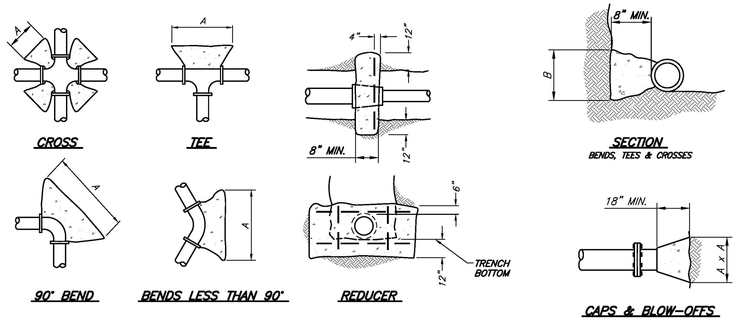
TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:

REVISION DATES (DESIGN STAGE ONLY)

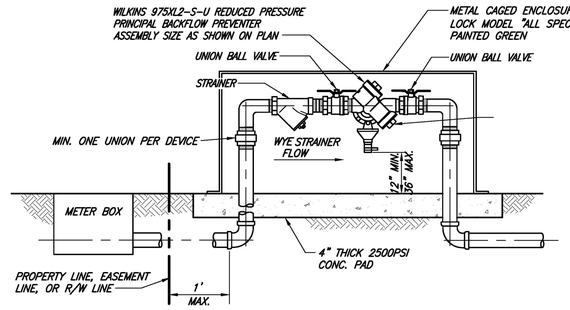
NOTES:

1. THRUST BLOCK BEARING AREA BASED ON 100 PSIG. SIZE THRUST BLOCK FOR TEST PRESSURE OF PIPELINE:
   FOR 250 PSIG, 2.5 x AREA SHOWN IN CHART
   FOR 150 PSIG, 1.5 x AREA SHOWN IN CHART
   FOR 50 PSIG, 0.5 x AREA SHOWN IN CHART.
   FOR 150 PSI MULTIPLY THE AREA BY 1.5, 75 BY 0.75, ETC.
   FOR FIRE LINE MIN. 150 PSI
2. DIMENSIONS SHOWN REFER TO THRUST BLOCK TYPES SHOWN ON DETAIL, AND ARE MINIMUM VALUES ONLY.
3. THRUST BLOCKS ON CROSSES SHALL BE USED WHENEVER PIPE SIZES DIFFER OR WHEN ONE OR MORE OPENINGS ARE PLUGGED.
4. REINFORCING STEEL SHALL BE MIN. NO. 4 AND CONFORM TO A.S.T.M. SPECIFICATIONS A615 GRADE 40.
5. FOR USE ON DUCTILE-IRON AND PVC PIPE.
6. CONCRETE MIX SHALL CONFIRM TO SPECIFICATIONS FOR 3000 LBS. STRENGTH AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C39.
7. THRUST BLOCK SIZES ARE BASED ON A BEARING CAPACITY OF 1500 P.S.F., WITH A MINIMUM SOIL COVER OF 3'-0". FOR SOIL COVER OF 2'-0" TO 3'-0", MULTIPLY BEARING AREA BY A FACTOR OF 1.5. FOR SOIL COVER OF 1'-0" TO 2'-0", MULTIPLY BEARING AREA BY A FACTOR OF 3.
8. ALL THRUST BLOCKS SHALL BE POURED SOLIDLY AGAINST FIRM, UNDISTURBED SOIL.
9. CONCRETE POURED AGAINST PIPE FITTINGS SHALL BE PLACED SO THAT VALVES AND FITTINGS ARE ACCESSIBLE FOR REPAIR.
10. WHERE WATER MAIN DEAD ENDS ARE BLIND FLANGED OR CAPPED, THE THRUST BLOCK SHALL EXTEND A MINIMUM DISTANCE OF 6" INTO BOTH SIDES OF THE TRENCH.
11. ALL PIPES TO BE WRAPPED AT CONCRETE THRUST BLOCKS.

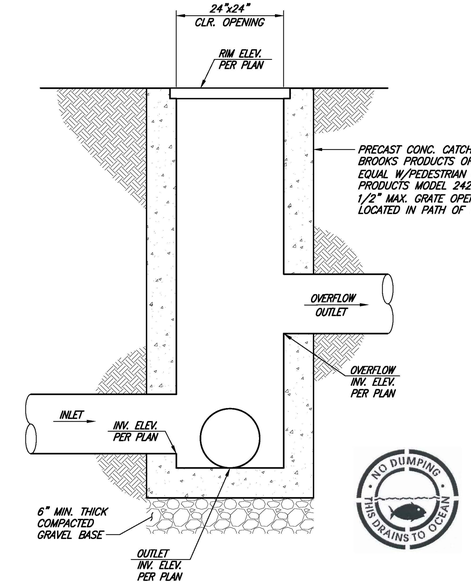
SIZE	CROSSES/90° BENDS			45° BENDS			22 1/2° BENDS			TEES & CAPS		
	AREA SQ. FT.	"A"	"B"	AREA SQ. FT.	"A"	"B"	AREA SQ. FT.	"A"	"B"	AREA SQ. FT.	"A"	"B"
4"	3	24"	18"	2	24"	12"	2	24"	12"	2	24"	12"
6"	6	36"	24"	3	24"	18"	2	24"	12"	4	24"	24"
8"	10	48"	30"	5	30"	24"	3	24"	18"	7	42"	24"
10"	16	64"	36"	8	48"	24"	5	30"	24"	12	48"	36"
12"	21	77"	40"	12	48"	36"	6	36"	24"	16	64"	36"
14"	30	90"	48"	16	64"	36"	8	48"	24"	21	77"	40"
16"	38	108"	54"	21	77"	40"	10	48"	30"	27	87"	45"



THRUST BLOCKS 6
NTS

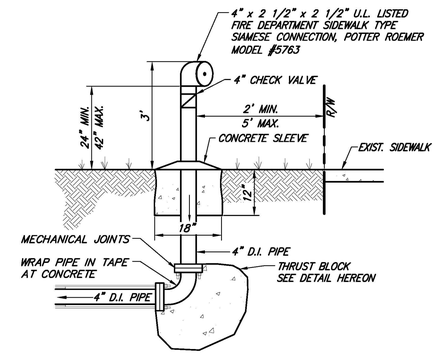


2" & SMALLER REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER 3
NTS



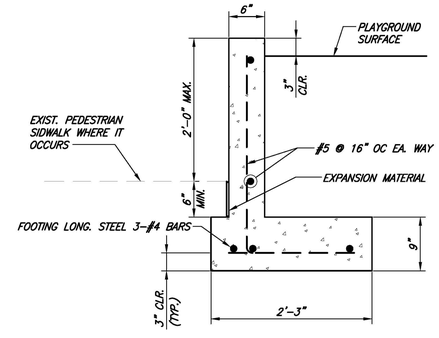
NOTE:
ADD "NO DUMPING-THIS DRAINS TO OCEAN" STENCIL AT ALL DRAINAGE INLETS.

DISTRIBUTION BOX 1
NTS



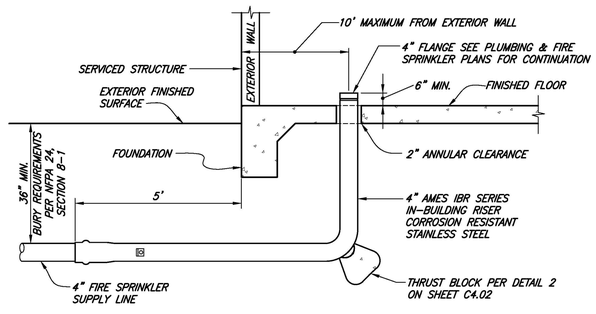
NOTE:
ALL SIAMESE CONNECTION'S MUST BE WITHIN 150 FEET OF A FIRE HYDRANT.

FIRE DEPARTMENT CONNECTION 4
NTS

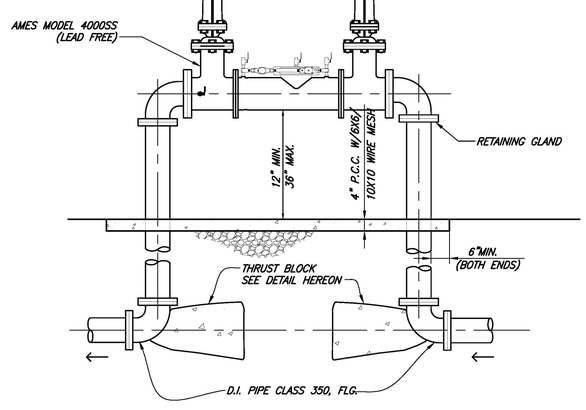


NOTE:
CONCRETE SHALL BE 2500 PSI MIN.

PCC RETAINING WALL 7
NTS



SPRINKLER RISER STUB 5
NTS



SECTIONAL VIEW
R.P. DEVICE LARGER THAN 2"

NOTES:

1. ALL ASSEMBLIES MUST BE APPROVED BY U.S.C. FOUNDATION FOR CROSS CONNECTION CONTROL & HYDRAULIC RESEARCH.
2. WRAP PIPE AT THRUST BLOCKS WITH 10 MIL TAPE OR OTHER BOND-BREAKING MATERIAL AS PROTECTION.
3. 4" MIN. THICKNESS CONCRETE SLAB, TYPE 520-C-2500 CONCRETE WITH 6x6x10x10 WIRE MESH PLACED AT ⅓ FROM THE BASE OF THE SLAB. SLAB SHALL BE SLOPED TO DRAIN TO THE PLANTER AREA AND HAVE A LIGHT BROOM FINISH.

3" OR LARGER REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY 2
NTS

BUREAU OF ENGINEERING
OFFICIAL RECORD

LEHRER ARCHITECTS LA
Michael Berry Lehrer, FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

ENGINEERING
CITY OF LOS ANGELES

REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER
SHEET TITLE: DETAILS
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE:
ENGINEER: BARBARA L. HALL — ARCHITECTURAL DIVISION — LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C4.03
SHEET 0 OF SHEETS

PLOTTED: 1/17/2024

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TTLB TEMPLATE REVISION DATE:: 06/30/2016
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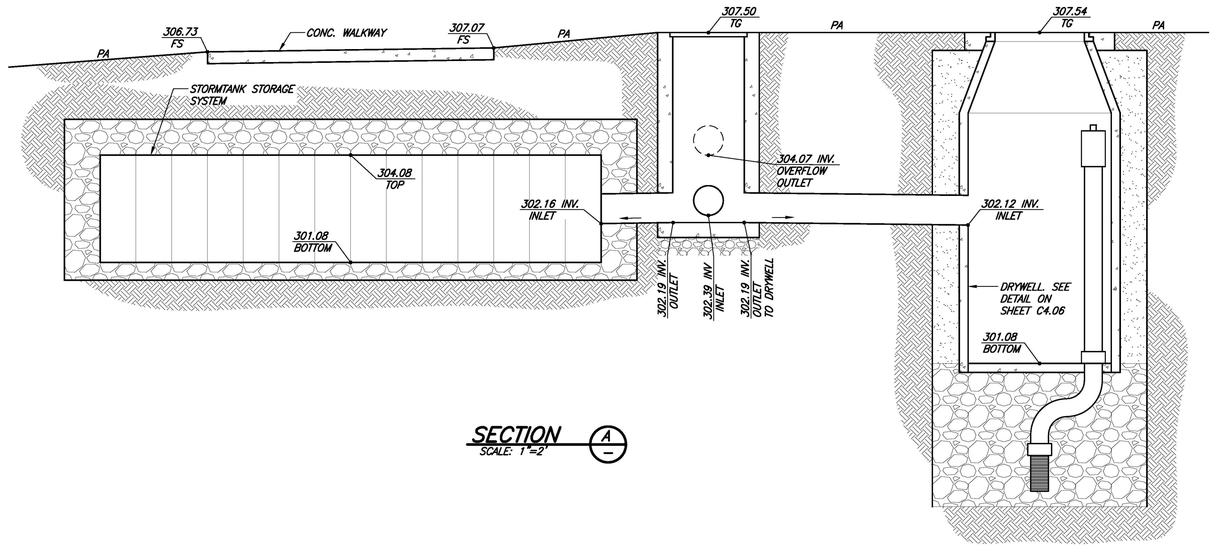
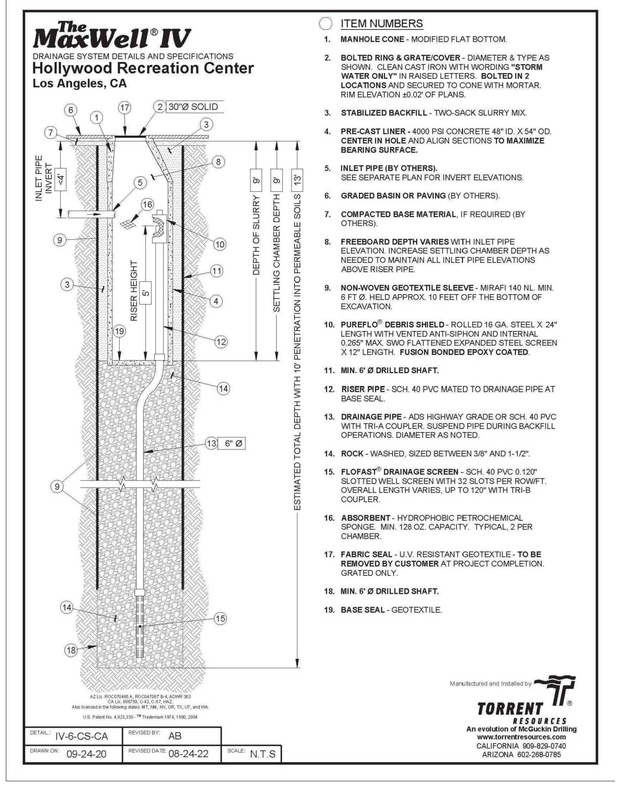


SECTION A
SCALE: 1"=2'

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE WITH OUR RECOMMENDATIONS IN THE REPORTS DATED 3-25-20, 11-4-20 AND 12-8-22.

REGISTERED PROFESSIONAL ENGINEER EASTON RENE FORRESTER No. GE 2948 Exp. GEOTECHNICAL STATE OF CALIFORNIA

Easton Forrester 5-2-24
SIGNATURE DATE



ITEM NUMBERS

1. **MANHOLE CONE** - MODIFIED FLAT BOTTOM.
2. **BOLTED RING & GRATE/COVER** - DIAMETER & TYPE AS SHOWN. CLEAN CAST IRON WITH WORDING **"STORM WATER ONLY"** IN RAISED LETTERS. **BOLTED IN 2 LOCATIONS** AND SECURED TO CONE WITH MORTAR. RIM ELEVATION ±0.02' OF PLANS.
3. **STABILIZED BACKFILL** - TWO-SACK SLURRY MIX.
4. **PRE-CAST LINER -** 4000 PSI CONCRETE 48" ID. X 54" OD. **CENTER IN HOLE** AND ALIGN SECTIONS **TO MAXIMIZE BEARING SURFACE.**
5. **INLET PIPE (BY OTHERS),** SEE SEPARATE PLAN FOR INVERT ELEVATIONS.
6. **GRADED BASIN OR PAVING** (BY OTHERS).
7. **COMPACTED BASE MATERIAL**, IF REQUIRED (BY OTHERS).
8. **FREEBOARD DEPTH VARIES** WITH INLET PIPE ELEVATION. INCREASE SETTLING CHAMBER DEPTH AS NEEDED TO MAINTAIN ALL INLET PIPE ELEVATIONS ABOVE RISER PIPE.
9. **NON-WOVEN GEOTEXTILE SLEEVE** - MIRAFI 140 NL. MIN. 6 FT Ø. HELD APPROX. 10 FEET OFF THE BOTTOM OF EXCAVATION.
10. **PUREFLO® DEBRIS SHIELD -** ROLLED 16 GA. STEEL X 24" LENGTH WITH VENTED ANTI-SIPHON AND INTERNAL 0.265" MAX. SWO FLATTENED EXPANDED STEEL SCREEN X 12" LENGTH. **FUSION BONDED EPOXY COATED.**
11. **MIN. 6' Ø DRILLED SHAFT.**
12. **RISER PIPE -** SCH. 40 PVC MATED TO DRAINAGE PIPE AT BASE SEAL.
13. **DRAINAGE PIPE -** ADS HIGHWAY GRADE OR SCH. 40 PVC WITH TRI-A COUPLER. SUSPEND PIPE DURING BACKFILL OPERATIONS. DIAMETER AS NOTED.
14. **ROCK** - WASHED, SIZED BETWEEN 3/8" AND 1-1/2".
15. **FLOFAST® DRAINAGE SCREEN -** SCH. 40 PVC 0.120" SLOTTED WELL SCREEN WITH 32 SLOTS PER ROW/FT. OVERALL LENGTH VARIES, UP TO 120" WITH TRI-B COUPLER.
16. **ABSORBENT** - HYDROPHOBIC PETROCHEMICAL SPONGE. MIN. 128 OZ. CAPACITY. TYPICAL, 2 PER CHAMBER.
17. **FABRIC SEAL** - U.V. RESISTANT GEOTEXTILE - **TO BE REMOVED BY CUSTOMER** AT PROJECT COMPLETION. GRATED ONLY.
18. **MIN. 6' Ø DRILLED SHAFT.**
19. **BASE SEAL** - GEOTEXTILE.

Manufactured and Installed by
TORRENT RESOURCES
An evolution of McGuckin Drilling
www.torrentresources.com
CALIFORNIA 909-829-0740
ARIZONA 602-268-0785

Low Impact Development (LID)
Post Construction Stormwater Mitigation
Best Management Practices (BMPs)

STORMWATER BMP(s) VERIFICATION

Upon LADBS Inspector Verification that approved stormwater BMPs are in place, a Stormwater Observation Report (SOR) Form shall be submitted to Department of Public Works, Bureau of Sanitation. 201 N. Figueroa, 3rd floor, station 18.

Project Address: 1122 Cole Avenue Los Angeles, CA 90038

RESIDENTIAL (4 UNITS OR LESS, <10,000 SF, <2,500 SF within a ESA)

Item #	Stormwater BMP	Description (Units, total)	Reference Sheet(s) * (Sheet #)
1	Rain Tank(s) – 50 to 129 gal each		
2	Rain Tank(s) – > 130 gal min		
3	Shade Tree - min 15 gal		
4	Flow thru Planter(s)		
5	Permeable pavers / Porous concrete (min 10% open space)	☐ Incidental; _____ total SF ☐ Infiltration; _____ total SF	
6	Rain Garden	☐ #____ - Lined; _____ total SF ☐ #____ - Unlined; _____ total SF	
7	Dry Well		
8	SUMP Pump (modification was not required)		

ALL OTHER DEVELOPMENT
(Residential: 5 ≥ units, 10,000 ≥ SF, within a ESA and ≥2,500SF)

	Item #	Stormwater BMP	Description (Units, total)	Reference Sheet(s) * (Sheet #)
Infiltration	1	Infiltration Basin / Trench		
	2	Dry Well	1 - Maxwell IV Drainage System, 6 ft dia, 13 ft deep; Additional Storage - StormTank ST-36, 96 units	C2.02, 3.02, 4.05
	3	Permeable pavers / Porous concrete (min 10% open space)	☐ Incidental; _____ total SF ☐ Infiltration; _____ total SF	
Capture & Use	4	Rain Tank(s) – 530 gal min		
	5	Cistern	☐ Above Grade ☐ Below Grade	
Treat & Discharge	6	Flow thru Planter(s)		
	7	Biofiltration	☐ #____ - Lined; _____ total SF ☐ #____ - Unlined; _____ total SF	
	8	Vegetative Swale / Filter Strip		
	9	Catch Basin Filter(s)	1 unit	C3.01, 4.02
	10	Trench Drain Filter(s)		
	11	Down Spout Filter(s)		
	12	SUMP Pump (modification was not required)		

* At a minimum: Site Plan, Architectural Elevations, Roof Plan, Civil Sheets and Detail

STORMWATER OBSERVATION REPORT FORM
(Residential ≥ 5 units & All other Development)

LOW IMPACT DEVELOPMENT

IN THE EVENT THAT THE APPROVED STORMWATER BMP CANNOT BE BUILT PER PLANS (OR ANY MODIFICATION), CONSULT WITH BUREAU OF SANITATION STAFF PRIOR TO ANY PLAN MODIFICATIONS. FAILURE TO DO SO MAY DELAY OBTAINING A FINAL APPROVAL AND CERTIFICATE OF OCCUPANCY (C OF O).

STORMWATER OBSERVATION *means the visual observation of the stormwater related Best Management Practices (BMPs) for conformance with the approved LID Plan at significant construction stages and at completion of the project. Stormwater observation does not include or waive the responsibility for the inspections required by Section 108 or other sections of the City of Los Angeles Building Code.*

STORMWATER OBSERVATION *must be performed by the engineer or architect responsible for the approved LID Plan or designated staff in their employment.* ***As part of the observation, provide photos of the BMPs taken during various construction phases.***

STORMWATER OBSERVATION REPORT *must be signed and stamped (see below) by the engineer or architect responsible for the approved LID Plan and submitted to the city prior to the issuance to the certificate of occupancy.* ***PRIOR TO CERTIFICATE OF OCCUPANCY (C of O), SOR FORM, PRINTED PHOTOS OF THE BMPS TAKEN DURING VARIOUS CONSTRUCTION PHASES AND APPROVED STAMPED PLANS BY THE BUREAU OF SANITATION MUST BE SUBMITTED TO THE PUBLIC COUNTER FOR STAFF APPROVAL.***

Project Address: 1122 Cole Avenue Los Angeles, CA 90038	Building Permit No.: 22010-10000-04634
Name of Engineer/Architect responsible for the approved LID Plan: BARBARA L. HALL, P.E.	Phone Number: (626) 256-3220

List all BMPs installed as part of the project: Coordinates of the most significant (or typical) BMPs:

BMP Type: Drywell (Infiltration) # of units: 1 Lat: 34.091690 ; Long: -118.329366 *Ex: Lat: 34.04152; Long: -118.25962 (5 sig digits)*	BMP Type: _____ # of units: ____ Lat: _____ ; Long: _____
BMP Type: _____ # of units: ____ Lat: _____ ; Long: _____	BMP Type: _____ # of units: ____ Lat: _____ ; Long: _____

I DECLARE THAT THE FOLLOWING STATEMENTS ARE TRUE TO THE BEST OF MY KNOWLEDGE:

1. I am the engineer or architect responsible for the approved LID Plan, and;
2. I, or designated staff under my responsible charge, has preformed the required site visits at each significant construction stage and at the completion to verify that the Best Management Practices (BMPs) as shown on approved plans have been constructed and installed in accordance with the approved LID Plan.

Signature Date

Wet Stamp of Engineer or Architect

BUREAU OF ENGINEERING
OFFICIAL RECORD

LEHRER ARCHITECTS **LA**
Michael Berry Lehrer FAIA License No. C 12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
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Fax: (626) 256-3218

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
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INDEX NO. RP-300126

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

DATE:

ENGINEER: BARBARA L. HALL LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: LID FORMS & DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. C4.04

SHEET O F SHEETS

PLOTTED: 1/17/2024

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:

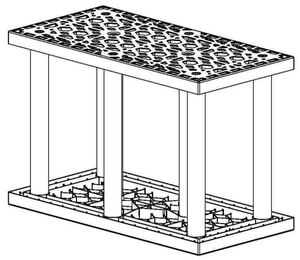
REVISION DATES (DESIGN STAGE ONLY)

LAYFIELD

BRENTWOOD STORMTANK
MODULE LAYOUT DRAWINGS

HOLLYWOOD REC CENTER

1122 Cole Avenue
Los Angeles, CA



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Module Layout	02 OF 07
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TYP. Debris Row Details	05 OF 07
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Supplementary Notes	07 OF 07

REFER TO STORMTANK INSTALLATION INSTRUCTIONS

LAYFIELD
10038 Marathon Parkway
Lakeside, CA 92040
Ph: (800)-377-8404
sandiego@layfieldgroup.com

SINGLE STACK MODULE SYSTEM

Total Storage Volume		1483.62 ft^3
Module Storage Volume		1257.22 ft^3
Stone Storage Volume (Excluding Top)		226.40 ft^3
System Footprint		532 ft^2
Estimated Geotextile Fabric	LP6 LP8	143 yd^2 380 yd^2
Estimated Liner		1702 ft^2
Estimated Stone Volume		40.67 yd^3
Excavation Required		106.37 yd^3
Excavation Depth		5.5 ft
Stone Type		$\frac{3}{4}$" Clear Stone
Stone Void Space		40%
Module Type		25 Series ST-36

HOLLYWOOD REC CENTER
1122 Cole Avenue
Los Angeles, CA

REV	Record of Changes	Date	By
0	Preliminary Drawing	14DEC2022	AC
1	Revised Layout	06SEP2022	LP
2	Revised Layout	26MAY2023	PE
3	Volume Increase	22AUG2023	AK

Project Number: OP2021-00000925
Page Name: Cover Page
Drawn by: LP | Checked By: AW
Scale: NTS | Date: 06SEP2022

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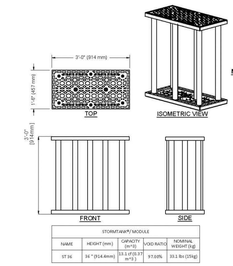
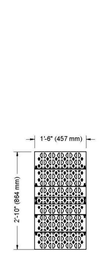
Sheet:
01 OF 07

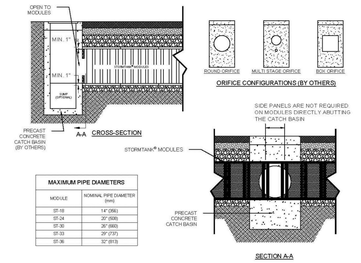
ANSI B Size Page (Horizontal)



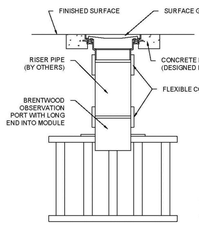
1 S-03 **36" (914 mm) MODULE DETAIL**



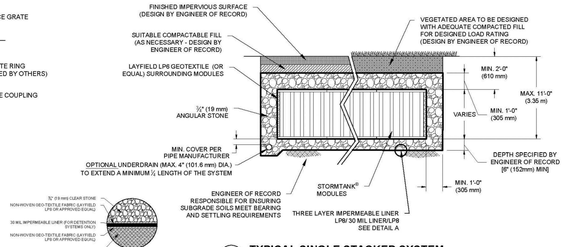
2 S-03 **36" (914 mm) SIDE PANEL DETAIL**



3 S-03 **TYP. CATCH BASIN ABUTMENT DETAIL (IF APPLICABLE)**



4 S-03 **SINGLE STACK OBSERVATION PORT DETAIL**



5 S-03 **TYPICAL SINGLE STACKED SYSTEM BASIC CROSS-SECTION**

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Lakeside, CA 92040
Ph: (800)-377-8404
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Sheet:
03 OF 07

ANSI B Size Page (Horizontal)

Material Quantity (ST-36)

ST-36	96
Platens	192
36" Columns	768
36" Side Panels	69
10" Observation Port	3

Elevations

Leveling Stone Bottom	TBD
Module Invert	TBD
Top of Module	TBD
Top of Stone Backfill	TBD
Minimum Finished Grade	TBD
Maximum Finished Grade	TBD

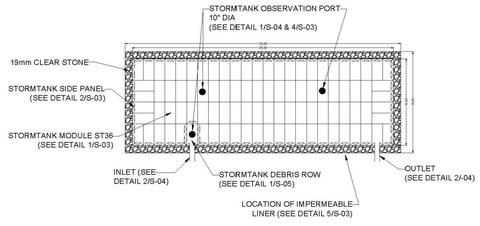
Contractor to confirm that quantities shipped to site match those listed above. Please report any discrepancy or damage to Layfield immediately.

NOTES:

a. All dimensions are measured in feet unless noted otherwise.
b. Reference Brentwood Industries standard drawings and notes for detailed information.
c. Reference current Brentwood Module installation instructions for proper installation practices.
https://stormwater.brentwoodindustries.com/resources/
d. Engineer of record to confirm conformance to manufacturer's allowable proximity to other structures and slopes.
e. All inlet and pipe locations and designs by others.
f. The sub-grade and side backfill needs to be compacted to 95%, unless noted otherwise.
g. During and after installation, the Brentwood Module area should be clearly marked and roped off to prevent unauthorized construction and equipment trafficking over the modules.
h. Top of Ground water is to be maintained 610 mm (2 ft) below the module to prevent buoyancy, unless otherwise noted by engineer.
i. The quantities related to stone and geosynthetics are estimated values as the roll size, overlaps, waste, ect. may vary.
j. Materials must be stored in a manner to prevent prolonged exposure to UV light.
k. Storm tank system is not considered complete until all backfill is installed to the minimum depth shown on Detail 5 Typical System Cross-Section. The installer MUST insure that the project site remains dry and free of water (both surface and groundwater) until the installation is complete, including the backfill as noted, to avoid damage to the tank system due to buoyancy.

1 S-02 **NOTES**

TOP STONE IS NOT INCLUDED IN STORAGE VOLUMES



2 S-02 **MODULE LAYOUT** SCALE: NTS

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02 OF 07

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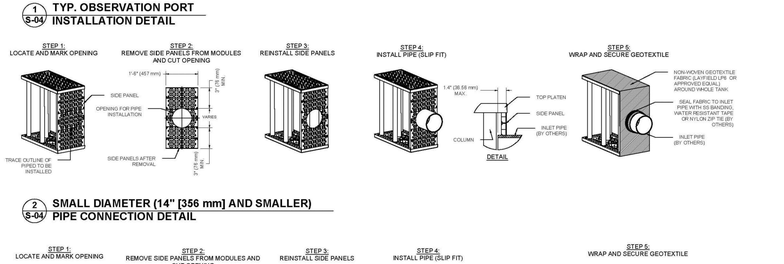
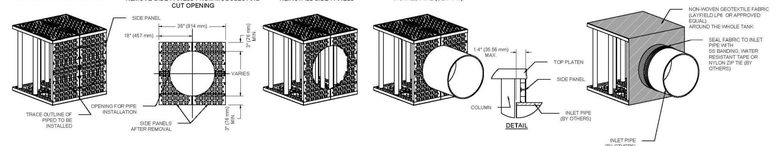


1 S-04 **TYP. OBSERVATION PORT INSTALLATION DETAIL**

2 S-04 **SMALL DIAMETER (14" [356 mm] AND SMALLER) PIPE CONNECTION DETAIL**



3 S-04 **LARGE DIAMETER (15" [381 mm] AND GREATER) PIPE CONNECTION DETAIL**

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10038 Marathon Parkway
Lakeside, CA 92040
Ph: (800)-377-8404
sandiego@layfieldgroup.com

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Sheet:
04 OF 07

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LEHRER ARCHITECTS LA
Michael Berry Lehrer, FAIA License No. C 12215
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:

ENGINEER: BARBARA L. HALL
ARCHITECTURAL DIVISION
LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: LID DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO.
C4.05
SHEET 0 OF SHEETS

PLOTTED: 1/17/2024

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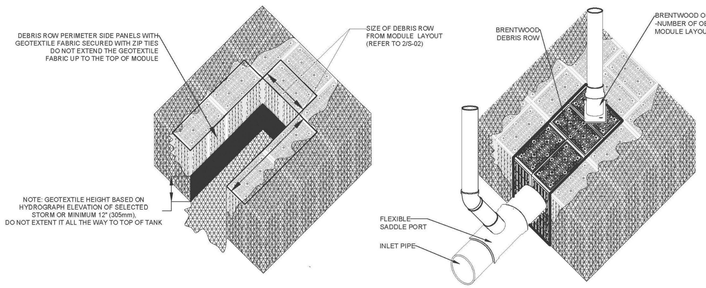
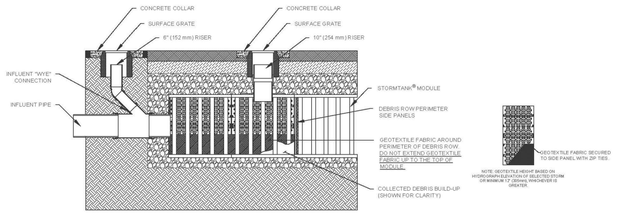


SIDE PANELS AND GEOTEXTILE FABRIC ALONG THE PERIMETER OF DEBRIS ROW

FINISHED DEBRIS ROW WITH INLET AND OBSERVATION PORT



TYP. DEBRIS ROW CROSS SECTION

1 S-05 TYP. DEBRIS ROW DETAIL
SINGLE STACK SYSTEM

LAYFIELD
10038 Marathon Parkway
Lakeside, CA 92040
Ph: (800)-377-8404
sandiego@layfieldgroup.com

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Sheet:
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6.0 Side Backfill

1. Inspect all geotextile, ensuring that no voids or damage exists; which will allow sediment into the StormTank® system.
2. Adjust the stone/soil interface geotextile along the side of the native soil to ensure the geotextile is taught to the native soil.
3. Once the geotextile is secured, begin to place the Side Backfill.
   a. a. Material should be a 3/4" (19 mm) angular stone meeting Appendix B – Acceptable Fill Material.
   b. b. Backfill sides "evenly" around the perimeter without exceeding single 12" (305 mm) lifts.
   c. Place material utilizing an excavator, dozer or conveyor boom.
   d. Utilize a plate vibrator to settle the stone and provide a uniform distribution.

Notes:

- Do not apply vehicular load to the modules during placement of side backfill. All material placement should occur with equipment located on the native soil surrounding the system.
- If damage occurs to the geotextile fabric or impermeable liner, repair the material in accordance with the geotextile/liner Manufacturer's recommendations

7.0 Top Backfill (Stone)

1. Begin to place the Top Backfill.
   a. Material should be a 3/4" (19 mm) angular stone meeting Appendix B – Acceptable Fill Material.
   b. Place material utilizing an excavator, dozer or conveyor boom (Tech Bulletin Stormtank Module 25 Series Construction Equipment) and use a walk-behind plate vibrator to settle the stone and provide an even distribution.

DO NOT DRIVE ON THE MODULES WITHOUT A MINIMUM 12" (305 mm) COVER.

2. Upon completion of Top Backfilling, wrap the system in geotextile fabric and/or liner per manufacturer's recommendations.
3. Install metallic tape around the perimeter of the system to mark the area for future utility detection.

Notes:

- If damage occurs to the geotextile fabric or impermeable liner, repair the material in accordance with the geotextile/liner Manufacturer's recommendations.

8.0 Suitable Compactable Fill

Following Top Backfill placement and geotextile fabric wrapping; complete the installation as noted below.

Vegetated Area

1. Place fill onto the geotextile.
   a. Maximum 12" (305 mm) lifts, compacted with a vibratory plate or walk behind roller to a minimum of 90% Standard Proctor Density.
   b. The minimum top cover/backfill to finished grade must not be less then that shown on Detail 5 Typical System Cross Section, and the maximum depth from final grade to the bottom of the lowest module should not exceed that shown on Detail 5.
2. Finish to the surface and complete with vegetative cover.

Impervious Area

1. Place fill onto the geotextile.
   a. Maximum 12" (305 mm) lifts, compacted with a vibratory plate or walk behind roller to a minimum of 90% Standard Proctor Density.
   b. The minimum top cover/backfill to finished grade must not be less then that shown on Detail 5 Typical System Cross Section, and the maximum depth from final grade to the bottom of the lowest module should not exceed that shown on Detail 5.
2. Finish to the surface and complete with asphalt, concrete, etc.

Notes:

- A vibratory roller may only be utilized after a minimum 24" (610 mm) of compacted material has been installed or for the installation of the asphalt wearing course.
- If damage occurs to the geotextile fabric, repair the material in accordance with the geotextile Manufacturer's recommendations.
- For most recent installation guidelines visit: http://www.brentwoodindustries.com/resources/

9.0 Inspection and Maintenance

If the following inspections and maintenance procedures are not followed as specified below then the end-user is responsible for the performance of the modules. These Maintenance procedure must be performed after a heavy rainfall, flooding or any incident that will vary the flow of water drastically.

Inspection

1. Inspect all observation ports, inflow and outflow connection and the discharge area
2. Identify and log any sediment and debris accumulation, system backup, or discharge rate changes.
3. If there is a sufficient need for a cleanout, contact a local cleaning company for assistance.

Cleaning:

1. If a pretreatment device is installed, follow manufacturer recommendations.
2. Using vacuum pump truck, evacuate debris from the inflow and outflow points.
3. Flush the system with clean water, forcing debris from the system.
4. Repeat steps 2 and 3 until no debris is evident

STORMTANK® Expect Results® | TECH BULLETIN

Revision: 2 | 07/08/21

StormTank® Module 25 Series Construction Equipment

Background

To provide clarity on construction equipment that can travel over a StormTank Module system during construction, the below table has been created. This table is not all inclusive and evaluation by the contractor on a case by case equipment may be necessary before proceeding.

Cover Depth over Module	Wheel Load (Vehicles and Equipment) Maximum (Vehicle)	Maximum (Equipment)	Maximum Tracked Equipment Track Width	Maximum Weight (including material)	Roller Loads Maximum Drum Weight
6 in.	Not Permitted	Not Permitted	N/A	1GP Equipment (<5 psi) Only	Not Permitted
12 in.	6,500 lbs.	8,000 lbs.	N/A	1GP Equipment (< 10 psi) Only	≤10 psi
18 in.	11,000 lbs.	15,920 lbs.	12 in. 18 in. 24 in. 36 in.	20,000 lbs. 30,000 lbs. 40,000 lbs. 60,000 lbs.	20,000 lbs. (Static Only)
24 in.	16,000 lbs.	20,000 lbs.	12 in. 18 in. 24 in. 36 in.	40,000 lbs. 50,000 lbs. 60,000 lbs. 80,000 lbs.	40,000 lbs. (Including Dynamic)

1. Vehicle has a tire contact area of 10"x10"
2. Equipment has a tire contact area of 10"x20" (dual wheel trucks like dump trucks)
3. Cover depth is based on angular material, utilization of other materials impacts load rating.
4. Dumping directly over the system is prohibited, excluding asphalt into a paver unit
5. Consideration must be given for cutting into cover material when utilizing table
6. Excavation equipment cannot operate (excavate) from over the system
7. Material is prohibited from being stockpiled over a system
8. For specialty equipment (material handlers, cranes, units with outriggers, etc.) contact a StormTank Rep. before utilization over the system

Page 1 of 1

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Sheet:
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General Conditions

- Review installation procedures and coordinate the installation with other construction activities, such as grading, excavation, utilities, construction access, erosion control, etc.
- Engineered Contract Drawings supersede all provided documentation, as the information furnished in this document is based on a typical installation.
- Coordinate the installation with manufacturer's representative/distributor to be on-site to review start up procedures and installation instructions.
- Components shall be unloaded, handled and stored in an area protected from traffic and in a manner to prevent damage.
- Assembled modules may be walked on, but vehicular traffic is prohibited until backfilled per Manufacturer's requirements. Protect the installation against damage with highly visible construction tape, fencing, or other means until construction is complete.

Ensure all construction occurs in accordance with Federal, Provincial and Local Laws, Ordinances, Regulations and Safety Requirements.

- Extra care and caution should be taken when temperatures are at or below 40° F (4.4° C).

NOT FOR CONSTRUCTION

These drawings shall not be used for construction until they have been reviewed for all design aspects (structural, geotechnical, stormwater) and approved by the Engineer of Record for the Project.

It is the Buyer's responsibility to ensure that the design into which the Product will be used has been approved by the Engineer of Record (not Layfield) with a review that may include, but not be limited to, Inlet and outlet configurations including inverts and pipe connections, storage volume, system footprint, Stormtank elevations including cover soil requirements, and proximity to structures and slopes.

Site design / engineering elements may include but not be limited to the following:

- Review elevations and if necessary adjust grading to ensure the chamber cover requirements are met.
- Evaluating site-specific information on soil conditions and/or bearing capacity
- Assessing the bearing resistance (allowable bearing capacity) of the sub-grade soils and the depth of foundation stone with consideration for the range of expected soil moisture conditions

1.0 StormTank® Assembly

StormTank® Modules:

StormTank® modules are delivered to the site as palletized components requiring simple assembly. No special equipment, tools or bonding agents are required; only a rubber mallet. A single worker can typically assemble a module in two minutes.

ASSEMBLY INSTRUCTIONS:

1. Place a platen on a firm level surface and insert the eight (8) columns into the platen receiver cups. Firmly tap each column with a rubber mallet to ensure the column is seated.
2. Place a second platen on a firm level surface. Flip the previously assembled components upside down onto the second platen, aligning the columns into the platen receiver cups.
3. Once aligned, seat the top assembly by alternating taps, with a rubber mallet at each structural column until all columns are firmly seated.

SIDE PANEL

4. If side panels are required, firmly tap the top platen upward to raise the top platen. Insert the side panel into the bottom platen.
5. Align the top of the side panel with the top platen and firmly seat the top platen utilizing a rubber mallet.

GENERAL NOTES:

- Remove packaging material and check for any damage. Report any damaged components to a StormTank® Distributor or Brentwood personnel.
- StormTank® components are backed by a one year warranty, when installed per manufacturer's recommendations.

2.0 Basin Excavation

1. Stake out and excavate to elevations per approved plans.Excavation Requirements:
   a. Sub-grade excavation must be a minimum of 6" (152 mm) below designed StormTank® Module invert.
   b. The excavation should extend a minimum of 12" (305 mm) beyond the StormTank® dimensions in each length and width (an additional 24" (610 mm) in total length and total width) to allow for adequate placement of side backfill material.
   c. Remove objectionable material encountered within the excavation, including protruding material from the walls.
   d. Furnish, install, monitor and maintain excavation support (e.g., shoring, bracing, trench boxes, etc.) as required by Federal, Provincial and Local Laws, Ordinances, Regulations and Safety Requirements.

3.0 Sub-Grade Requirements

1. Sub-grade shall be unfrozen, level (plus or minus 1%), and free of lumps or debris with no standing water, mud or muck. Do not use materials nor mix with materials that are frozen and/or coated with ice or frost.
2. Unstable, unsuitable and/or compromised areas should be brought to the Engineer's attention and mitigating efforts determined prior to compacting the sub-grade.
3. Sub-grade must be compacted to 95% Standard Proctor Density or as approved by the Engineer of Record. If code requirements restrict subgrade compaction, it is the requirement of the geotechnical Engineer to verify that the bearing capacity and settlement criteria for support of the system are met.

* The Engineer of Record shall reference Brentwood StormTank Module Installation document Appendix A for minimum soil bearing capacity required based on Load Rating and top cover depth. Minimum soil bearing capacity is required so that settlements are less than 1" through the entire sub-grade and do not exceed long-term 1/2" differential settlement between any two adjacent units within the system. Sub-grade must be designed to ensure soil bearing capacity is maintained throughout all soil saturation levels.

4.0 Leveling Bed Installation

1. Install geotextile fabric and/or liner material, as specified.
   a. Geotextile fabric shall be placed per manufacturer's recommendations.
   b. Additional material to be utilized for wrapping above the system must be protected from damage until use.
2. After the geotextile is secured, place a minimum 6" (152 mm) Leveling Bed.
   a. Material should be a 3/4" (19 mm) angular stone meeting Appendix B – Acceptable Fill Material.
   b. Material should be raked free of voids, lumps, debris, sharp objects and plate vibrated to a level with a maximum 1% slope.
3. Correct any unsatisfactory conditions.

5.0 StormTank® Module Placement

1. 1. Install geotextile fabric and/or liner material, as specified.
   a. Geotextile fabric shall be placed per manufacturer's recommendations.
   b. Additional material to be utilized for wrapping above the system must be protected from damage until use.
2. Mark the footprint of the modules for placement.
   a. Ensure module perimeter outline is square or similar prior to Module placement.
   b. Care should be taken to note any connections, ports or other irregular units to be placed.
3. Install the individual modules by hand, as detailed below.
   a. The modules should be installed as shown in the StormTank® submittal drawings with the short side of perimeter modules facing outward, except as otherwise required.
   b. Make sure the top/bottom platens are in alignment in all directions to within a maximum 1/4" (6.4 mm).
   c. For double stack configurations:
      i. Install the bottom module first. **DO NOT INTERMIX VARIOUS MODULE HEIGHTS ACROSS LAYERS.** Backfilling prior to proceeding to second layer is optional.
      ii. Insert stacking pins (2 per module) into the top platen of the bottom module.
      iii. Place the upper module directly on top of the bottom module in the same direction, making sure to engage the pins.
4. Install the modules to completion, taking care to avoid damage to the geotextile and/or liner material.
5. Locate any ports or other penetration of the StormTank®.
   a. Install ports/penetrations in accordance with the approved submittals, contract documents and manufacturer's recommendations.
6. Upon completion of module installation, wrap the modules in geotextile fabric and/or liner.
   a. Geotextile fabric shall be wrapped and secured per manufacturer's recommendations.
   b. Seal any ports/penetrations per Manufacturer's requirements

Notes:

- If damage occurs to the geotextile fabric or impermeable liner, repair the material in accordance with the geotextile/liner Manufacturer's recommendations.

LEHRER ARCHITECTS **LA**
Michael Berry Lehrer, FAIA License No. C 12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. **RP-300126**

REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER | DATE:

ENGINEER: BARBARA L. HALL
ARCHITECTURAL DIVISION
LIC. NO.: 42206

DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: LID DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
APPROVED
OFFICIAL RECORD

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE WITH OUR RECOMMENDATIONS IN THE REPORTS DATED 3-25-20, 11-4-20 AND 12-8-22.

Easton To 5-2-24
SIGNATURE DATE

REGISTERED PROFESSIONAL ENGINEER
EASTON RENE FORFER
No. GE 2948
Exp.
GEOTECHNICAL
STATE OF CALIFORNIA

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO.
C4.06
SHEET 0 OF SHEETS

PLOTTED: 5/17/2024

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:

REVISION DATES (DESIGN STAGE ONLY)

Street Sweeping and Vacuuming SE-7



Objectives

EC	Erosion Control	
SE	Sediment Control	☑
TR	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ Primary Objective
☒ Secondary Objective

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.

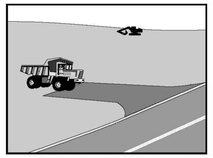
Targeted Constituents

Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Stabilized Construction Entrance/Exit TC-1





Standard Symbol

BMP Objectives
- ● Soil Stabilization
- ○ Sediment Control
- ● Tracking Control
- ● Wind Erosion Control
- ○ Non-Storm Water Management
- ○ Materials and Waste Management

Definition and Purpose

A stabilized construction access is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt onto public roads by construction vehicles.

Appropriate Applications

- Use at construction sites:
  - Where dirt or mud can be tracked onto public roads.
  - Adjacent to water bodies.
  - Where poor soils are encountered.
  - Where dust is a problem during dry weather conditions.
- This BMP may be implemented on a project-by-project basis in addition to other BMPs when determined necessary and feasible by the Resident Engineer (RE).

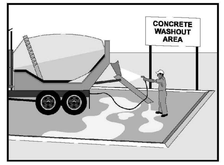
Limitations

- Site conditions will dictate design and need.

Standards and Specifications

- Limit the points of entrance/exit to the construction site.
- Limit speed of vehicles to control dust.
- Properly grade each construction entrance/exit to prevent runoff from leaving the construction site.
- Route runoff from stabilized entrances/exits through a sediment-trapping device before discharge.
- Design stabilized entrance/exit to support the heaviest vehicles and equipment that will use it.

Concrete Waste Management WM-8



Objectives

EC	Erosion Control	
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	☑

Legend:
☑ Primary Objective
☒ Secondary Objective

Description and Purpose

Prevent or reduce the discharge of pollutants to stormwater from concrete waste by conducting washout offsite, performing onsite washout in a designated area, and training employee and subcontractors.

Suitable Applications

Concrete waste management procedures and practices are implemented on construction projects where:

- Concrete is used as a construction material or where concrete dust and debris result form demolition activities
- Slurries containing portland cement concrete (PCC) or asphalt concrete (AC) are generated, such as from saw cutting, coring, grinding, grooving, and hydro-concrete demolition
- Concrete trucks and other concrete-coated equipment are washed onsite
- Mortar-mixing stations exist
- See also NS-8, Vehicle and Equipment Cleaning

Limitations

- Offsite washout of concrete wastes may not always be possible.

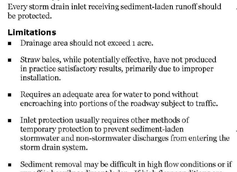
Targeted Constituents

Sediment	☑
Nutrients	
Trash	
Metals	☑
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

None

Sandbag Barrier SE-8



Objectives

EC	Erosion Control	☒
SE	Sediment Control	☑
TR	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ Primary Objective
☒ Secondary Objective

Description and Purpose

A sandbag barrier is a series of sand-filled bags placed on a level contour to intercept sheet flows. Sandbag barriers pond sheet flow runoff, allowing sediment to settle out.

Suitable Applications

Sandbag barriers may be suitable:

- As a linear sediment control measure:
  - Below the toe of slopes and erodible slopes
  - As sediment traps at culvert/pipe outlets
  - Below other small cleared areas
  - Along the perimeter of a site
  - Down slope of exposed soil areas
  - Around temporary stockpiles and spoil areas
  - Parallel to a roadway to keep sediment off paved areas
  - Along streams and channels
- As linear erosion control measure:
  - Along the face and at grade breaks of exposed and erodible slopes to shorten slope length and spread runoff as sheet flow

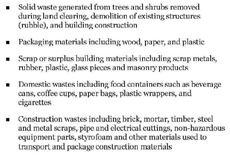
Targeted Constituents

Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

SE-1 Silt Fence
SE-5 Fiber Rolls
SE-6 Gravel Bag Berm
SE-9 Straw Bale Barrier

Material Delivery and Storage WM-1



Objectives

EC	Erosion Control	
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	☑

Legend:
☑ Primary Objective
☒ Secondary Objective

Description and Purpose

Prevent, reduce, or eliminate the discharge of pollutants from material delivery and storage to the stormwater system or watercourses by minimizing the storage of hazardous materials onsite, storing materials in a designated area, installing secondary containment, conducting regular inspections, and training employees and subcontractors.

This best management practice covers only material delivery and storage. For other information on materials, see WM-2, Material Use, or WM-4, Spill Prevention and Control. For information on wastes, see the waste management BMPs in this section.

Suitable Applications

These procedures are suitable for use at all construction sites with delivery and storage of the following materials:

- Soil stabilizers and binders
- Pesticides and herbicides
- Fertilizers
- Detergents
- Plaster
- Petroleum products such as fuel, oil, and grease
- Asphalt and concrete components

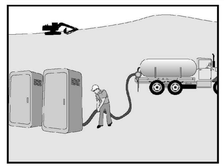
Targeted Constituents

Sediment	☑
Nutrients	☑
Trash	☑
Metals	☑
Bacteria	
Oil and Grease	☑
Organics	☑

Potential Alternatives

None

Sanitary/Septic Waste Management WM-9



Objectives

EC	Erosion Control	
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	☑

Legend:
☑ Primary Objective
☒ Secondary Objective

Description and Purpose

Proper sanitary and septic waste management prevent the discharge of pollutants to stormwater from sanitary and septic waste by providing convenient, well-maintained facilities, and arranging for regular service and disposal.

Suitable Applications

Sanitary septic waste management practices are suitable for use at all construction sites that use temporary or portable sanitary and septic waste systems.

Limitations

None identified.

Implementation

Sanitary or septic wastes should be treated or disposed of in accordance with state and local requirements. In many cases, one contract with a local facility supplier will be all that it takes to make sure sanitary wastes are properly disposed.

Storage and Disposal Procedures

- Temporary sanitary facilities should be located away from drainage facilities, watercourses, and from traffic circulation. When subjected to high winds or risk of high winds, temporary sanitary facilities should be secured to prevent overturning.
- Wastewater should not be discharged or buried within the project site.

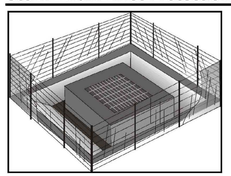
Targeted Constituents

Sediment	
Nutrients	☑
Trash	☑
Metals	
Bacteria	☑
Oil and Grease	
Organics	☑

Potential Alternatives

None

Storm Drain Inlet Protection SE-10



Objectives

EC	Erosion Control	
SE	Sediment Control	☑
TR	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ Primary Objective
☒ Secondary Objective

Description and Purpose

Storm drain inlet protection consists of a sediment filter or an impounding area around or upstream of a storm drain, drop inlet, or curb inlet. Storm drain inlet protection measures temporarily pond runoff before it enters the storm drain, allowing sediment to settle. Some filter configurations also remove sediment by filtering, but usually the ponding action results in the greatest sediment reduction.

Suitable Applications

Every storm drain inlet receiving sediment-laden runoff should be protected.

Limitations

- Drainage area should not exceed 1 acre.
- Straw bales, while potentially effective, have not produced in practice satisfactory results, primarily due to improper installation.
- Requires an adequate area for water to pond without encroaching into portions of the roadway subject to traffic.
- Inlet protection usually requires other methods of temporary protection to prevent sediment-laden stormwater and non-stormwater discharges from entering the storm drain system.
- Sediment removal may be difficult in high flow conditions or if runoff is heavily sediment laden. If high flow conditions are

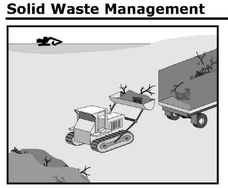
Targeted Constituents

Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

SE-1 Silt Fence
SE-5 Fiber Rolls
SE-6 Gravel Bag Berm
SE-8 Sandbag Barrier
SE-9 Straw Bale Barrier

Solid Waste Management WM-5



Objectives

EC	Erosion Control	
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	☑

Legend:
☑ Primary Objective
☒ Secondary Objective

Description and Purpose

Solid waste management procedures and practices are designed to prevent or reduce the discharge of pollutants to stormwater from solid or construction waste by providing designated waste collection areas and containers, arranging for regular disposal, and training employees and subcontractors.

Suitable Applications

This BMP is suitable for construction sites where the following wastes are generated or stored:

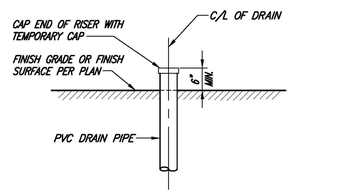
- Solid waste generated from trees and shrubs removed during land clearing, demolition of existing structures (rubble), and building construction
- Packaging materials including wood, paper, and plastic
- Scrap or surplus building materials including scrap metals, rubber, plastic, glass pieces and masonry products
- Domestic wastes including food containers such as beverage cans, coffee cups, paper bags, plastic wrappers, and cigarettes
- Construction wastes including brick, mortar, timber, steel and metal scraps, pipe and electrical cuttings, non-hazardous equipment parts, styrofoam and other materials used to transport and package construction materials

Targeted Constituents

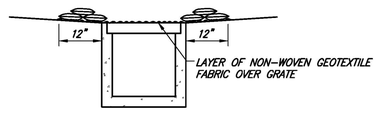
Sediment	☑
Nutrients	☑
Trash	☑
Metals	☑
Bacteria	
Oil and Grease	☑
Organics	☑

Potential Alternatives

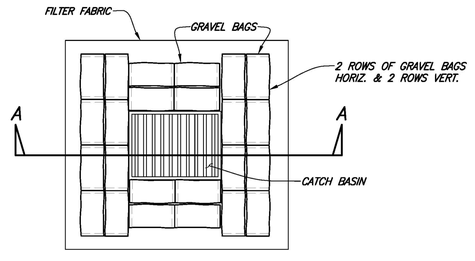
None



DRAIN PIPE RISER TEMPORARY PROTECTION (1)
NTS



SECTION A–A



STORM DRAIN INLET PROTECTION (2)
NTS

ATTACHMENT A

BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES

STORM WATER POLLUTION CONTROL REQUIREMENTS FOR CONSTRUCTION ACTIVITIES MINIMUM WATER QUALITY PROTECTION REQUIREMENTS FOR ALL DEVELOPMENT CONSTRUCTION PROJECTS/CERTIFICATION STATEMENT

1. *EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON–STORMWATER FROM THE PROJECT SITE AT ALL TIMES.*
2. *ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON–SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.*
3. *STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.*
4. *FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND THE SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.*
5. *EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON–SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.*
6. *TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.*
7. *SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.*
8. *ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.*
9. *"I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ENSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/ OR INACCURATE INFORMATION, FAILING TO UPDATE THE ESCP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/ OR ADEQUATELY IMPLEMENT THE ESCP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY LAW."*

PRINT NAME _____
(OWNER OR AUTHORIZED AGENT OF THE OWNER)

SIGNATURE _____ *DATE* _____
(OWNER OR AUTHORIZED AGENT OF THE OWNER)

THE FOLLOWING BMPS AS OUTLINED IN, BUT NOT LIMITED TO, THE LATEST EDITION OF THE CASQA CONSTRUCTION BMP ONLINE HANDBOOK OR CALTRANS STORMWATER QUALITY HANDBOOKS (CONSTRUCTION SITE BMP MANUAL), MAY APPLY DURING THE CONSTRUCTION OF THIS PROJECT (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE PROJECT ENGINEER OF THE BUILDING OFFICIAL)

EROSION CONTROL

EC1 – SCHEDULING
EC2 – PRESERVATION OF EXISTING VEGETATION
EC3 – HYDRAULIC MULCH
EC4 – HYDROSEEDING
EC5 – SOIL BINDERS
EC6 – STRAW MULCH
EC7 – GEOTEXTILES & MATS
EC8 – WOOD MULCHING
EC9 – EARTH DIKES AND DRAINAGE SWALES
EC10 – VELOCITY DISSIPATION DEVICES
EC11 – SLOPE DRAINS
EC12 – STREAMBANK STABILIZATION
EC13 – RESERVED
EC14 – COMPOST BLANKETS
EC15 – SOIL PREPARATION\ROUGHENING
EC16 – NON–VEGETATED STABILIZATION

TEMPORARY SEDIMENT CONTROL

SE1 – SILT FENCE
SE2 – SEDIMENT BASIN
SE3 – SEDIMENT TRAP
SE4 – CHECK DAM
SE5 – FIBER ROLLS
SE6 – GRAVEL BAG BERM
SE7 – STREET SWEEPING AND VACUUMING
SE8 – SANDBAG BARRIER
SE9 – STRAW BALE BARRIER
SE10 – STORM DRAIN INLET PROTECTION
SE11 – ACTIVE TREATMENT SYSTEMS
SE12 – TEMPORARY SILT DIKE
SE13 – COMPOST SOCKS & BERMS
SE14 – BIOFILTER BAGS

WIND EROSION CONTROL

WE1 – WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 – STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 – STABILIZED CONSTRUCTION ROADWAY
TC3 – ENTRANCE/OUTLET TIRE WASH

NON–STORMWATER MANAGEMENT

NS1 – WATER CONSERVATION PRACTICES
NS2 – DEWATERING OPERATIONS
NS3 – PAVING AND GRINDING OPERATIONS
NS4 – TEMPORARY STREAM CROSSING
NS5 – CLEAR WATER DIVERSION
NS6 – ILLICIT CONNECTION/DISCHARGE
NS7 – POTABLE WATER/IRRIGATION
NS8 – VEHICLE AND EQUIPMENT CLEANING
NS9 – VEHICLE AND EQUIPMENT FUELING
NS10 – VEHICLE AND EQUIPMENT MAINTENANCE
NS11 – PILE DRIVING OPERATIONS
NS12 – CONCRETE CURING
NS13 – CONCRETE FINISHING
NS14 – MATERIAL AND EQUIPMENT USE
NS15 – DEMOLITION ADJACENT TO WATER
NS16 – TEMPORARY BATCH PLANTS

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

WM1 – MATERIAL DELIVERY AND STORAGE
WM2 – MATERIAL USE
WM3 – STOCKPILE MANAGEMENT
WM4 – SPILL PREVENTION AND CONTROL
WM5 – SOLID WASTE MANAGEMENT
WM6 – HAZARDOUS WASTE MANAGEMENT
WM7 – CONTAMINATION SOIL MANAGEMENT
WM8 – CONCRETE WASTE MANAGEMENT
WM9 – SANITARY/SEPTIC WASTE MANAGEMENT
WM10 – LIQUID WASTE MANAGEMENT

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LEHRER ARCHITECTS **LA**
Michael Berry Lehrer, FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

CITY ENGINEER: DATE:
GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER LIC. NO.: 42206

ENGINEER: BARBARA L. HALL
ARCHITECTURAL DIVISION
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SWPPP EROSION CONTROL NOTES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C5.01
SHEET 0 OF SHEETS

PLOTTED: 1/17/2024

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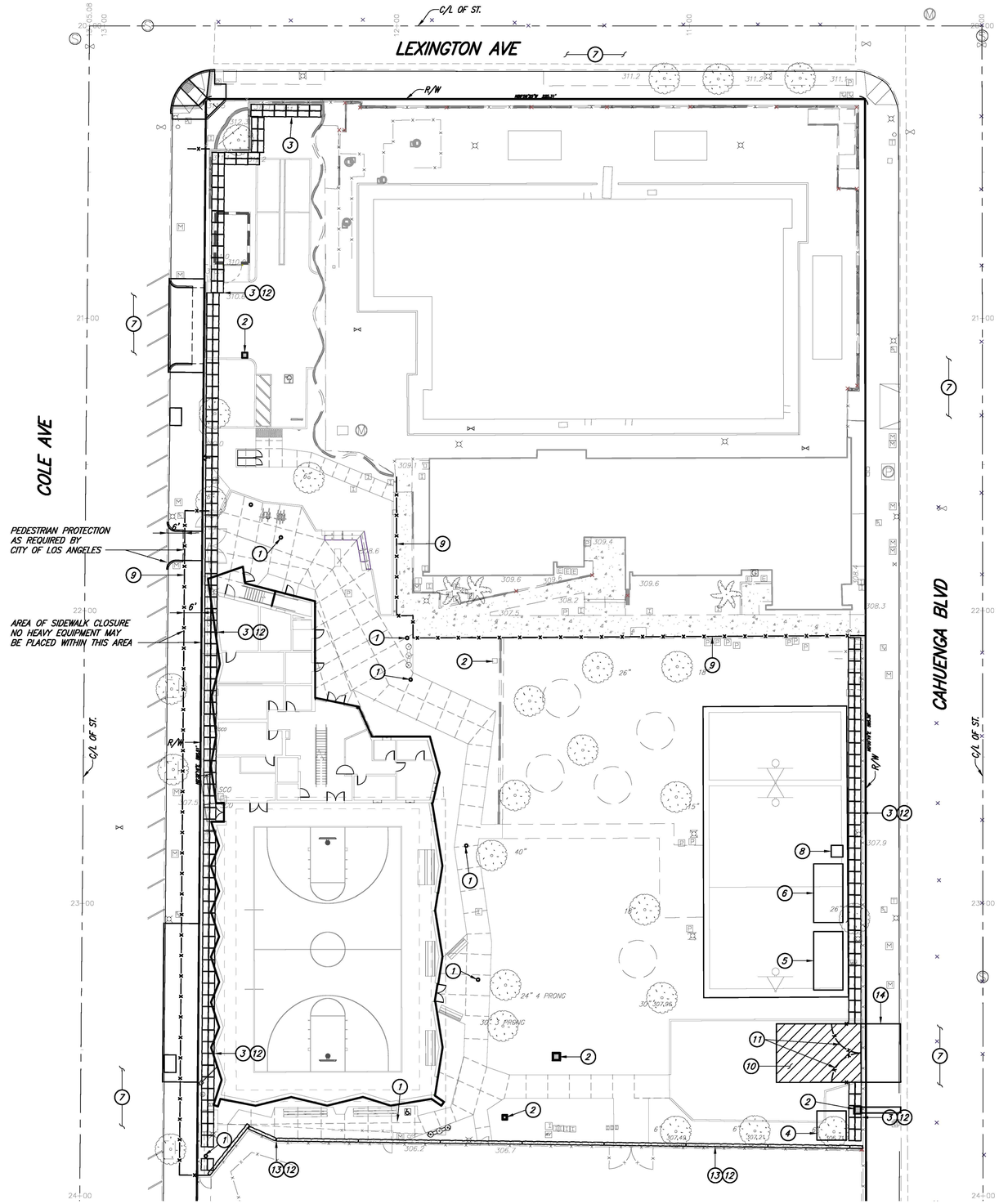

SWPPP CONSTRUCTION NOTES:

1. PROTECT DRAIN PIPE RISER OPENING PER DETAIL 1 ON SHEET C5.01.
2. CONSTRUCT STORM DRAIN INLET PROTECTION PER DETAIL 2 ON SHEET C5.01 AND BMP SE-10.
3. PLACE SANDBAGS 2 ROWS HIGH, 2 BAGS WIDE (3 BAGS IN A PYRAMID) DURING GRADING OPERATIONS PER BMP SE-8. CONTRACTOR TO RELOCATE AS NEEDED. CONTRACTOR MAY USE SILT FENCE IN LIEU OF SAND BAG BARRIER AROUND THE PERIMETER.
4. LOCATION OF CONCRETE TRUCK WASH OUT AREA. LINE BASIN WITH PLASTIC SHEETING AND SAND BAGS TO CONTAIN SLURRY. PROVIDE WOODEN CONTAINERS OR EQUAL FOR PLACEMENT OF EXCESS CONCRETE UNTIL DRY FOR DISPOSAL AS SOLID WASTE PER BMP WM-8. CONTRACTOR TO RELOCATE AS NEEDED.
5. LOCATION OF COVERED DUMPSTER FOR DEMOLITION/CONSTRUCTION DEBRIS. EMPTY WEEKLY AT A MINIMUM PER BMP WM-5. CONTRACTOR TO RELOCATE AS NEEDED.
6. LOCATION OF MATERIALS STORAGE AREA PER BMP WM-1. CONTRACTOR TO RELOCATE AS NEEDED
7. STREET SWEEPING AS NEEDED PER BMP SE-7.
8. LOCATION OF PORTABLE TOILETS PER BMP WM-9. CONTRACTOR TO RELOCATE AS NEEDED.
9. CONSTRUCT 6 FEET HIGH PERIMETER FENCE. INSTALL FABRIC SCREEN MATERIAL ON FENCING.
10. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER BMP TC-1.
11. CONSTRUCT TWO 6 FEET HIGH BY 10 FEET WIDE CHAIN LINK GATE. INSTALL FABRIC MATERIAL ON GATES.
12. INSTALL FABRIC SCREEN MATERIAL ON EXISTING FENCING.
13. INSTALL FIBER ROLLS ALONG EXISTING FENCELINE. CONTRACTOR TO RELOCATE AS NEEDED. SILT FENCE MAY BE USED AS AN ALTERNATIVE.
14. CONSTRUCT TEMPORARY DRIVEWAY ACCESS TO SITE.

NOTE:

CONTRACTOR SHALL USE EXISTING FENCING WHENEVER POSSIBLE DURING CONSTRUCTION. SECTIONS OF EXISTING FENCING SHALL BE REPLACED IF REMOVED DURING CONSTRUCTION ACTIVITIES.

LEHRER ARCHITECTS LA
Michael Lehrer FAIA, License No. C12115
2140 Hyperion Avenue, Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

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BUILDING NO. -

INDEX NO. RP-300126

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

DATE:

ENGINEER: BARBARA L. HALL LIC. NO.: 42206
DESIGNED BY: BLH
DRAWN BY: GY
CHECKED BY: BLH
APPROVED BY: BLH

ARCHITECTURAL DIVISION

REGISTERED PROFESSIONAL ENGINEER
BARBARA L. HALL
No. 42206
Exp. 03/31/26
CIVIL
STATE OF CALIFORNIA

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SWPPP EROSION CONTROL PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
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WORK ORDER NO.

PLAN FILE NO.

DRAWING NO. C5.02
SHEET NO OF SHEETS

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Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

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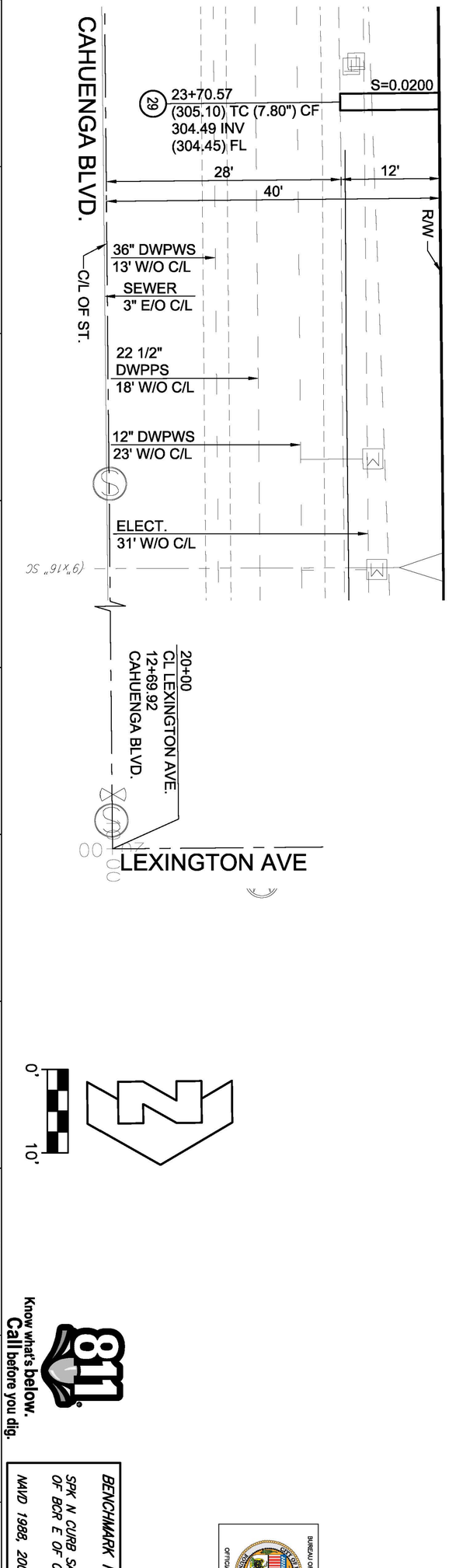

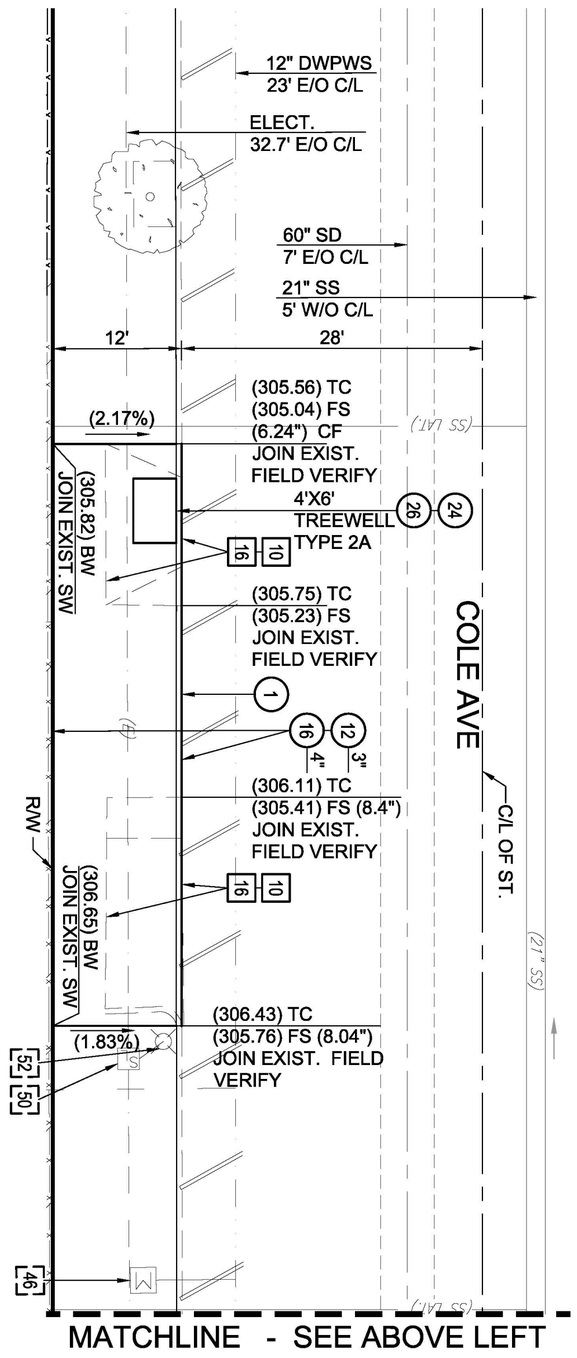

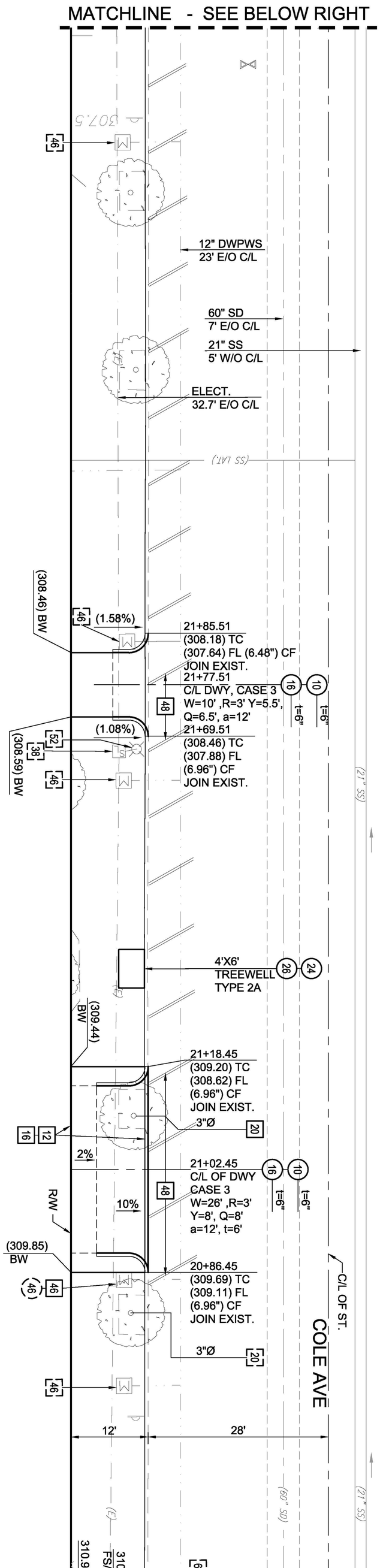

CONSTRUCTION NOTES

CONSTRUCT
REMOVE
EXISTING

REMOVE & CONSTRUCT
WORK BY OTHERS
REMODEL EXISTING

1. CONCRETE CURB, TYPE A
10. CONCRETE DRIVEWAY
12. CONCRETE WALK
13. CURB RAMP
16. UNTREATED BASE MATERIAL - SEE PLAN FOR t=
20. REMOVE TREE
24. PLANT TREE
26. TREE WELL
29. CURB DRAIN
38. STREET LIGHT PULLBOX
46. WATER METER
48. SANDBLAST EXISTING PARKING STRIPING
49. PULL BOX
51. WOOD HEADER TO MATCH EXISTING
52. STREET LIGHT
62. FIRE HYDRANT
63. WATER VALVE
103. CURB OPENING CATCH BASIN

0' 10'

Know what's below. Call before you dig. 811

BENCHMARK NO. 12-19011 EL. 302.04 FT.
SPK N CURB SANTA MONICA BLVD; 1.5 FT E OF BCR E OF CAHUENGA BLVD; W END CB
NAVD 1988, 2000 ADJ.

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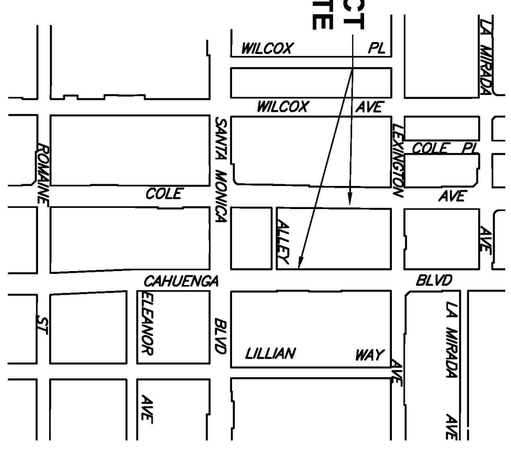
CITY OF LOS ANGELES
OFFICIAL RECORD

VICINITY MAP

SCALE: 1"=400'



Barbara L. Hall, P.E., Inc.
318 West Evergreen Avenue
Monrovia, CA 91016
Phone: (626) 256-3220
Fax: (626) 256-3218

LEHRER ARCHITECTS LA
Michael Berryl Lehrer, FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

CLIENT : DEPARTMENT OF RECREATION AND PARKS	
GENERAL MANAGER : NEIL DRUCKER	
SHEET TITLE: STREET IMPROVEMENT PLAN	
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM	
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038	

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER	
ARCHITECTURAL DIVISION	DATE:
ENGINEER: BARBARA L. HALL LIC. NO.: 42206	
DESIGNED BY: BLH	
DRAWN BY: GY	
CHECKED BY: BLH	
APPROVED BY: BLH	

REGISTERED PROFESSIONAL ENGINEER — BARBARA L. HALL — No. 42206 Exp. 03/31/26 — CIVIL — STATE OF CALIFORNIA

NO.	REVISION DESCRIPTION	DATE	BY
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INDEX NO. RP-300126
BUILDING NO. -

ENGINEERING
CITY OF LOS ANGELES

WORK ORDER NO.
PLAN FILE NO.
DRAWING NO. C-1
SHEET 1 OF 1 SHEETS

PLOTTED:1/17/2024

GENERAL NOTES

1. CONSTRUCTION DOCUMENTS INCLUDE PROVISIONS NOTED HEREIN FOR BOTH THESE CONTRACT DRAWINGS AND ASSOCIATED CONTRACT SPECIFICATIONS. THE CONSTRUCTION DRAWINGS ARE GRAPHIC AND DIAGRAMMATIC, CONVEYING THE DESIGN INTENT OF THE CONSTRUCTION CONTRACT.

2. THE CONSTRUCTION DOCUMENTS ARE AN INSTRUMENT OF SERVICE AND PROPERTY OF THE LANDSCAPE ARCHITECT. THEY ARE NOT TO BE REPRODUCED WITHOUT THE LANDSCAPE ARCHITECT'S PERMISSION. ANY REPRODUCTION THAT IS GRANTED MUST CARRY THE LANDSCAPE ARCHITECTS NAME. ALL DESIGN AND OTHER INFORMATION SHOWN WITHIN THE CONSTRUCTION DOCUMENTS IS FOR USE ON THE SPECIFIED PROJECT ONLY AND SHALL NOT BE USED OTHERWISE WITHOUT WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.

3. THE INTENTION OF THESE DOCUMENTS SHALL INCLUDE ALL LABOR, SERVICES, MATERIALS, DEVICES, SUPPLIES, EQUIPMENT, TRANSPORTATION, ETC. AND OTHER FACILITIES NECESSARY FOR AND INCIDENTAL TO THE PROPER EXECUTION AND COMPLETION OF WORK ON THE DRAWINGS, AND THE WORK THAT CAN BE REASONABLY INFERRED THERE FROM AS BEING NECESSARY TO PRODUCE THE INTENDED RESULTS.

4. CONSTRUCTION DRAWINGS SHALL BE VALID FOR USE FOR CONSTRUCTION ONLY WHEN THEY HAVE BEEN SIGNED, STAMPED/SEALED, AND DATED BY THE LICENSED PROFESSIONAL WHO HAS OVERSEEN THEIR PREPARATION AND WHERE PERMITING HAS BEEN GRANTED BY THE JURISDICTIONAL AUTHORITY.

5. CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF REMOVAL / CONSTRUCTION, INCLUDING SHORING AND TEMPORARY BRACING. CONTRACTOR SHALL UNDERTAKE ALL NECESSARY MEASURES TO ENSURE SAFETY OF ALL PERSONS AND STRUCTURES AT THE PROJECT SITE AND ADJACENT TO THE SITE. OBSERVATION VISITS TO THE SITE BY THE LANDSCAPE ARCHITECT DOES NOT INCLUDE REVIEW OF THESE MEASURES.

6. CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY FEES, LICENSES, AND INSPECTIONS NECESSARY FOR PROPER EXECUTION AND COMPLETION OF WORK, AND ALL FEDERAL, STATE, LOCAL AND ALL OTHER TAXES THAT ARE APPLICABLE TO THIS CONTRACT.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME GENERALLY FAMILIAR WITH THE JOB SITE AND CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. A SITE VISIT IS REQUIRED TO VERIFY DIMENSIONS AND THE CONDITIONS; REPORT ANY DISCREPANCIES UPON DISCOVERY TO THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH WORK.

8. DO NOT SCALE CONSTRUCTION DRAWINGS. USE DIMENSIONS AS INDICATED ON PLANS. WHERE LACK OF INFORMATION OR ANY DISCREPANCY SHOULD APPEAR IN THE CONTRACT DRAWINGS OR SPECIFICATIONS, CONTRACTOR SHALL REQUEST WRITTEN INTERPRETATION FROM THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.

9. DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT BEEN APPARENT DURING DESIGN.

10. NO CHANGES, MODIFICATIONS OR DEVIATIONS SHALL BE MADE FROM THE CONTRACT DRAWINGS OR SPECIFICATIONS WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE OWNER OR THEIR AUTHORIZED REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL.

11. EXTRA WORK OR TIME EXTENSIONS TO COMPLETE SCOPE SHALL BE APPROVED IN WRITING BY THE OWNER OR THEIR AUTHORIZED REPRESENTATIVE ONLY.

12. OBTAIN REVIEW OF SHOP DRAWINGS BY LICENSED PROFESSIONALS WHOSE WORK SCOPE IS AFFECTED BY SUCH DRAWINGS UNDER THIS CONTRACT PRIOR TO FABRICATION.

13. WHERE A SYSTEM, MATERIAL, OR ASSEMBLY IS CALLED FOR, ALL NECESSARY PARTS AND MATERIALS REQUIRED FOR A COMPLETE INSTALLATION/SYSTEM SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, INSTRUCTIONS, AND SPECIFICATIONS.

14. WORK PERFORMED SHALL COMPLY WITH THE MOST RECENT APPLICABLE FEDERAL, STATE, AND LOCAL BUILDING CODES AND REQUIREMENTS, INCLUDING THE MOST RECENT REQUIREMENTS OF THE ACCESSIBILITY CODES.

15. CONTRACTOR SHALL PROVIDE ACCESS AT ALL TIMES TO OWNER, THEIR REPRESENTATIVES, AND LANDSCAPE ARCHITECT FOR THE PURPOSE OF REVIEW / OBSERVATION TO ALL PARTS OF THE WORK AND TO THE SHOPS WHEREIN THE WORK MAY BE IN PREPARATION.

16. SUBMIT REQUESTS FOR MEETINGS, OBSERVATIONS, AND REVIEWS TO BE PERFORMED BY THE LANDSCAPE ARCHITECT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO THE PROPOSED DATE AND TIME.

17. MAINTAIN A SAFE AND SECURE SITE DURING ALL PHASES OF WORK. CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH THE WORK.

18. THE CITY SHALL HAVE THE RIGHT TO REJECT MATERIALS OR WORKMANSHIP WHICH ARE FOUND TO BE DEFECTIVE, NOT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS, OR REQUIRE THEIR CORRECTION. REJECTED WORKMANSHIP SHALL BE SATISFACTORILY CORRECTED. REJECTED MATERIALS SHALL BE PROMPTLY REMOVED FROM THE PROJECT SITE WITHOUT CHARGE TO THE OWNER. IF CONTRACTOR DOES NOT CORRECT SUCH REJECTED WORK WITHIN A REASONABLE TIME, FIXED BY WRITTEN NOTICE, OWNER MAY CORRECT SUCH WORK AND BACK-CHARGE THE FULL EXPENSE TO CONTRACTOR.

19. CONTRACTOR AT ALL TIMES IS RESPONSIBLE TO KEEP THE SITE PREMISES FREE FROM THE ACCUMULATION OF WASTE MATERIALS OR RUBBISH CAUSED BY HIS OPERATIONS. AT THE COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL TEMPORARY ITEMS, WASTE MATERIALS, TRASH, DEBRIS, AND RUBBISH FROM AND ABOUT THE PROJECT AREA, INCLUDING CONSTRUCTION EQUIPMENT, TOOLS, MACHINERY, AND SURPLUS MATERIALS. FINAL CLEANING SHALL INCLUDE REMOVAL OF ALL TRACES OF SOIL, WASTE MATERIALS, AND OTHER FOREIGN MATTER FROM SURFACES. ENTIRE PROJECT SITE SHALL BE DELIVERED IN A NEAT, CLEAN, AND ACCEPTABLE CONDITION.

SHEET INDEX

LEGEND

SHEET NOT ISSUED	
ISSUED FOR INFORMATION AND COORDINATION	●
SHEET DELETED	⌀
SHEET SCOPE COMPLETED PREVIOUSLY	□

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L002	OVERALL REFERENCE PLAN		●	●	●	●	●	●	●	●			
L100	TREE DISPOSITION SCHEDULE & NOTES	●	●	●	●	●	●	●	●	●	●		
L101	TREE DISPOSITION PLAN	●	●	●	●	●	●	●	●	●	●		
L102	TREE DISPOSITION PLAN	●	●	●	●	●	●	●	●	●	●		
L200A	CONSTRUCTION NOTES & SCHEDULE	●	●	●	●	●	●	●	●	●	●		
L200B	OVERALL CONSTRUCTION PLAN				●	●	●	●					
L201	CONSTRUCTION PLAN	●	●	●	●	●	●	●	●	●	●		
L202	CONSTRUCTION PLAN	●	●	●	●	●	●	●	●	●	●		
L300A	LAYOUT NOTES & SCHEDULE				●	●		●	●	●	●		
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L301	LAYOUT PLAN				●	●		●	●	●	●		
L302	LAYOUT PLAN				●	●		●	●	●	●		
L303	POINT SCHEDULE				●	●		●	●	●			
L501	ELEVATIONS & SECTIONS					●							
L502	ELEVATIONS & SECTIONS					●							
L503	ELEVATIONS & SECTIONS					●							
L601	CONSTRUCTION DETAILS		●	●	●	●		●	●	●	●		
L602	CONSTRUCTION DETAILS		●	●	●	●			●	●	●		
L603	CONSTRUCTION DETAILS		●	●	●				●				
L604	CONSTRUCTION DETAILS		●	●	●				●				
L700A	IRRIGATION NOTES & CALCULATIONS	●	●	●	●	●	●	●	●	●	●		
L700B	IRRIGATION SCHEDULE					●	●	●	●	●	●		
L700C	OVERALL IRRIGATION PLAN				●	●	●	●					
L700D	HYDROZONE PLAN										●		
L701	IRRIGATION PLAN	●	●	●	●	●	●	●	●	●	●		
L702	IRRIGATION PLAN	●	●	●	●	●	●	●	●	●	●		
L703	IRRIGATION DETAILS		●	●	●	●	●	●	●	●	●		
L704	IRRIGATION DETAILS		●	●	●	●	●	●	●	●	●		
L705	IRRIGATION DETAILS					●	●	●	●	●	●		
L800A	PLANTING NOTES	●	●	●	●	●	●	●	●	●	●		
L800B	OVERALL PLANTING PLAN				●	●	●	●					
L800C	PLANTING SCHEDULE							●					
L801	PLANTING PLAN	●	●	●	●	●	●	●	●	●	●		
L802	PLANTING PLAN	●	●	●	●	●	●	●	●	●	●		
L803	PLANTING DETAILS		●	●	●	●	●	●	●	●	●		
L900A	LIGHTING NOTES & SCHEDULE			●	●	●							
L900B	OVERALL CONCEPTUAL LIGHTING PLAN			●	●	●							
L901	CONCEPTUAL LIGHTING PLAN			●	●	●							
L902	CONCEPTUAL LIGHTING PLAN			●	●	●							

SYMBOLS

PROPERTY LINE
RIGHT-OF-WAY
LIMIT OF WORK LINE
MATCHLINE
REFER TO LXXX
MATCHLINE
CENTER LINE
SECTION
ELEVATION

ALIGN
POINT OF BEGINNING /ORIGIN POINT OF LAYOUT
DETAIL SECTION
A-101
KEYNOTE
CALLOUT
DETAIL
EXISTING TREE TO REMAIN

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

BUILDING NO. -

INDEX NO. RP-300126

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: GENERAL NOTES & SHEET INDEX

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

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PROJECT ISSUE DATE: Issue Date

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PLAN FILE NO.
DRAWING NO. L000
SHEET 0 OF SHEETS

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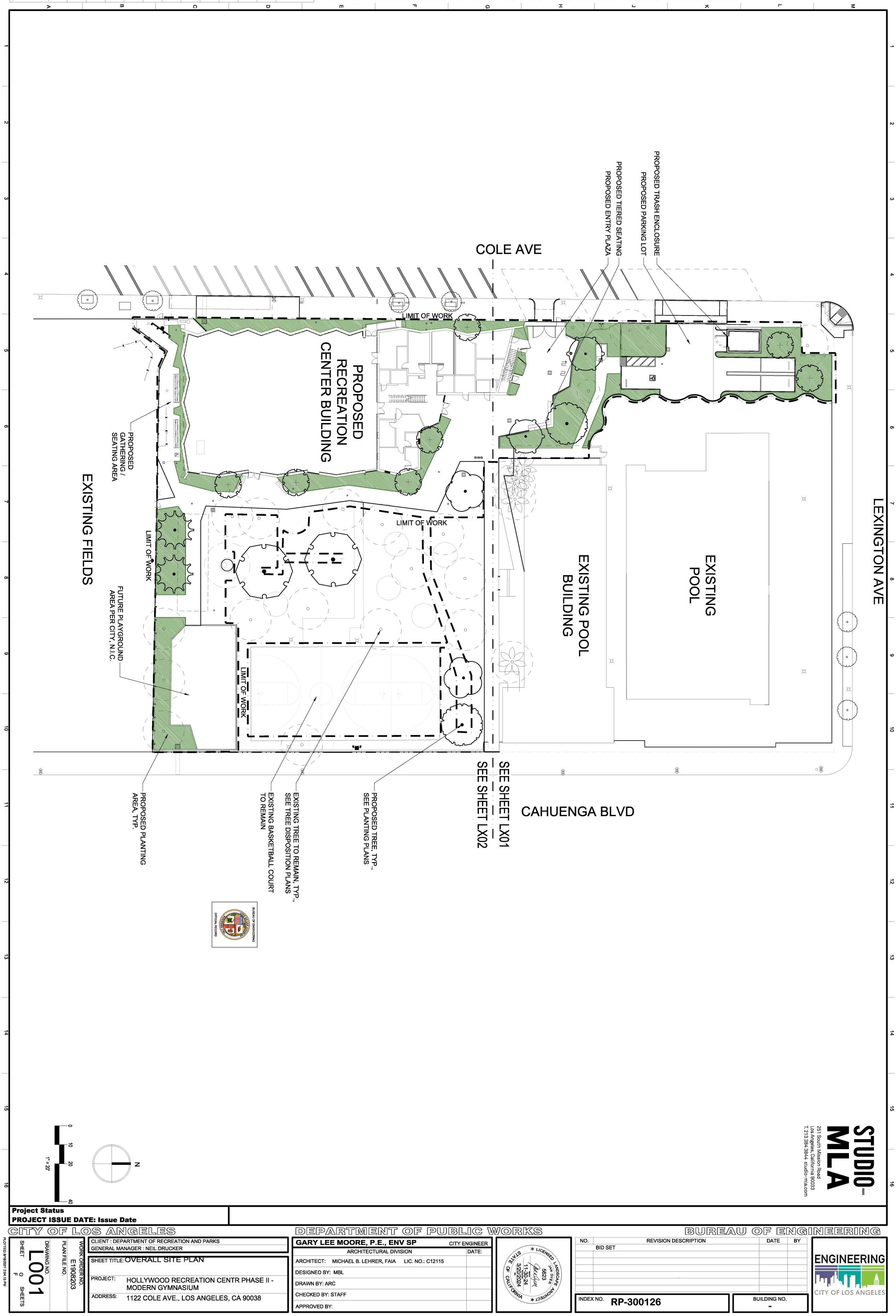


STUDIO-MLA
251 South Mission Road
Los Angeles, California 90033
T: 213 384 3844 studio-mla.com

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

PLOTTED:8/18/2021 2:54:15 PM

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L001
SHEET 0 OF SHEETS

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: OVERALL SITE PLAN
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	
DESIGNED BY: MBL	
DRAWN BY: ARC	
CHECKED BY: STAFF	
APPROVED BY:	

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. RP-300126
BUILDING NO. -

ENGINEERING
CITY OF LOS ANGELES

TREE INVENTORY

FID	SPP	DBH	TRUNKS	COND	TREE PROTECTION	TPZ
4	Afrocarpus falcatus	33	1	Fair 41-60%	To Be Removed	49.5
6	Melaleuca quinquenervia	31	3	Poor 21-40%	Protect in Place	46.5
7	Melaleuca quinquenervia	32	4	Poor 21-40%	Protect in Place	48
8	Melaleuca quinquenervia	8	1	Poor 21-40%	To Be Removed	12
12	Magnolia grandiflora	19	1	Fair 41-60%	Protect in Place	28.5
14	Pinus canariensis	16	1	Good 61-80%	Protect in Place	24
16	Platanus racemosa	15	1	Fair 41-60%	Protect in Place	22.5
17	Platanus x hispanica	15	1	Fair 41-60%	Protect in Place	22.5
22	Trachycarpus fortunei	8	1	Good 61-80%	To Be Removed	5
23	Trachycarpus fortunei	8	1	Good 61-80%	To Be Removed	5
24	Trachycarpus fortunei	8	1	Good 61-80%	To Be Removed	5
25	Syagrus romanzoffiana	13	1	Good 61-80%	To Be Removed	5
26	Syagrus romanzoffiana	10	1	Good 61-80%	To Be Removed	5
27	Syagrus romanzoffiana	11	1	Good 61-80%	To Be Removed	5
28	Syagrus romanzoffiana	11	1	Good 61-80%	To Be Removed	5
29	Trachycarpus fortunei	8	1	Fair 41-60%	To Be Removed	5
30	Lagerstroemia indica	6	1	Fair 41-60%	To Be Removed	9
31	Lagerstroemia indica	5	1	Poor 21-40%	To Be Removed	7.5
32	Cassia leptophylla	7	1	Fair 41-60%	To Be Removed	10.5
33	Cassia leptophylla	6	1	Fair 41-60%	Protect in Place	9
34	Magnolia grandiflora	29	1	Fair 41-60%	Protect in Place	43.5
36	Cassia leptophylla	7	1	Fair 41-60%	To Be Removed	10.5
40	Trachycarpus fortunei	8	1	Fair 41-60%	To Be Removed	5
41	Palm spp	23	1	Fair 41-60%	Protect in Place	5
42	Palm spp	20	1	Fair 41-60%	Protect in Place	5
47	Jacaranda mimosifolia	18	1	Poor 21-40%	Protect in Place	27
50	Jacaranda mimosifolia	12	1	Poor 21-40%	Protect in Place	18
52	Jacaranda mimosifolia	11	1	Fair 41-60%	To Be Removed	16.5
53	Jacaranda mimosifolia	13	1	Fair 41-60%	Protect in Place	19.5
55	Pinus canariensis	3	1	Good 61-80%	Protect in Place	4.5
58	Jacaranda mimosifolia	12	1	Fair 41-60%	Protect in Place	18
60	Pinus canariensis	4	1	Good 61-80%	Protect in Place	6
62	Handroanthus chrysotrichus	4	1	Fair 41-60%	Protect in Place	6
63	Platanus racemosa	13	1	Fair 41-60%	Protect in Place	19.5
64	Pinus canariensis	4	1	Fair 41-60%	Protect in Place	6
65	Jacaranda mimosifolia	16	1	Fair 41-60%	To Be Removed	24
66	Palm spp	19	1	Good 61-80%	Protect in Place	10
67	Platanus racemosa	14	1	Poor 21-40%	Protect in Place	21
70	Palm spp	17	1	Good 61-80%	Protect in Place	10
72	Platanus racemosa	19	1	Fair 41-60%	Protect in Place	28.5
75	Unknown spp.	37	1	Poor 21-40%	Protect in Place	55.5
76	Palm spp	23	1	Good 61-80%	Protect in Place	10
						0
	Trees to be Removed	17				0
	Sum of DBH of trees removed	178				0

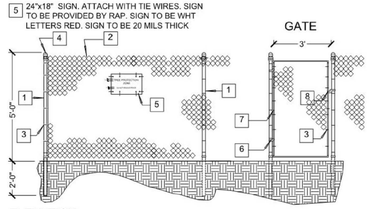
TREES TO BE REMOVED: 17
SUM OF DBH (DIAMETER AT BREAST HEIGHT) OF TREES REMOVED:178
REPLACEMENT TREES NEEDED : 60 36" BOX TREES
REPLACEMENT TREES PROPOSED: 17
CURRENT REPLACEMENT RATIO DOES NOT MEET THE 1:1 REQUIREMENT. RAP FORESTRY TO PROVIDE DIRECTION ON HOW TO COMPLY.
SEE PLANTING SHEETS L800A THRU L803 FOR TREE REPLACEMENT SIZE AND SPECIES.
NOTE: TREE # 6,7,14,16,33,35,62, AND 75 ARE INTENDED TO BE PROTECTED IN PLACE. CONTRACTOR TO NOTE HARDSCAPE CONSTRUCTION MAY OCCUR WITHIN THE TPZ AND PROCEED ACCORDINGLY. SEE NOTE H FOR ARBORIST REQUIREMENTS FOR CONSTRUCTION WITHIN TPZ. FINAL DETERMINATION OF PROTECTION AND REPLACEMENT WILL BE REQUIRE CONFIRMATION BY THE PROJECT TEAM AND CITY OF LA RECREATION AND PARKS. IF REMOVED, TREES TO BE REPLACED WITH REPLACEMENT TREE.

DEMOLITION SCHEDULE

SYMBOL	DESCRIPTION	REMARKS
D-101	EXISTING TREE TO REMAIN	SEE TREE PROTECTION SPECIFICATIONS SHEET L100
D-102	EXISTING TREE TO BE REMOVED	DEMOLISH EXISTING TREE
D-103	EXISTING TREE TO BE RELOCATED	RELOCATE PER URBAN FORESTRY & RAP DIRECTION. FINAL LOCATION TO BE REVIEWED BY LANDSCAPE ARCHITECT.
D-105	EXISTING BENCH	REMOVE AND SALVAGE; STORE PER RAP DIRECTION
	TREE PROTECTION ZONE	TREE PROTECTION SPECIFICATIONS SHEET L100

FENCING MATERIALS

1. POSTS: O.D., LINE POSTS 2-3/8 IN. O.D. POST SPACING TO BE 10'-0" MAX. POSTS TO BE DRIVEN 2' BELOW RELATIVE GRADE.
2. FABRIC: 9 GAUGE, 2 IN. MESH, KNUCKLE TOP AND BOTTOM, PLACE ON OUTER SIDE OF POST.
3. TIE WIRES: 11 GAUGE AT 12" O.C.
4. POST TOPS MALLEABLE IRON OR PRESSED STEEL.
5. 24"x18" SIGN. ATTACH WITH TIE WIRES. SIGN TO BE PROVIDED BY RAP. SIGN TO BE WHT LETTERS RED. SIGN TO BE 20 MILS THICK
6. HINGES: INDUSTRIAL BULLDOG HINGE (180 SWING) 2 HINGES PER GATE, ONE TOP AND ONE BOTTOM.
7. GATE FRAME: SIDES, 2-3/8" DIA
8. LOCKABLE CAST ALUMINUM FORK LATCH POST TOPS MALLEABLE IRON OR PRESSED STEEL.



NOTES:
1. CHAIN LINK FENCE MATERIALS SHALL CONFORM TO THE CHAIN LINK FENCE AND MISCELLANEOUS METAL CONSTRUCTION SECTION OF THE NOTICE TO CONTRACTORS.
2. THE BOTTOM OF THE FABRIC SHALL BE POSITIONED ONE INCH ABOVE FINISH GRADE.
3. PROVIDE FOR ONE 3' WIDE GATE PER ENCLOSURE.
4. ALL FENCING TO HAVE A STANDARD GALVINIZED FINISH

GRIDNO | 5' HIGH TREE PROTECTION FENCE
N.T.S. | REFINFO | RP DETAIL 500.1

1 TREE PROTECTION FENCE
1" = 1'-0" P-HRC2019-311210-01

CITY OF LA TREE PROTECTION SPECIFICATIONS

TREE PROTECTION SPECIFICATIONS

1.01 TREE PROTECTION

I. All trees that occur within the area of work, as shown on the plans, and not specifically designated for removal, shall be protected by the following means:

A. **Determining the Tree Protection Zone (TPZ)** - The **radius** (not the diameter) of the TPZ, measured from the outside of the tree trunk, shall be calculated by Recreation and Parks (RAP) Forestry according to the following:
1. **Single trunk trees -** multiply the trunk diameter in inches, measured 4.5' above grade, by 1.5 feet.
2. **Multi trunk trees -** multiply the sum of the diameters of all trunks in inches, measured 4.5' above grade, by 1.5 feet.
3. **Palm trees** - 5' from the base of the trunk.

B. Once determined, the TPZ is to be clearly shown on all plans, including concept plans, for discussion purposes, including at the RAP Capital Improvements Meetings.

C. Beyond the TPZ, the contractor shall also be responsible for protecting all trees within the boundaries of the construction zone, including vehicular access areas leading to the construction zone, lay down areas, and any other areas impacted by construction activities. Any damage to trees in these areas shall also be subject to the same monetary or replacement requirements specified in Section II below. Any necessary root cutting in this area must be confirmed with either the RAP or other approved arborist. See also the General Conditions for any damage done by the contractor to landscaping or other park amenities that fall outside the boundaries of the construction zone.

D. Within the boundaries of the construction zone (including the TPZ), the contractor shall be responsible for mitigating construction-related dust accumulation on all trees by spraying the trunks, limbs, and foliage with water to a maximum height of 30 feet during the months of April through November, at monthly intervals.

E. Within the TPZ, the contractor shall adhere to the following requirements, including, but not limited to:
1. No stockpiling or storage of any material, debris, or soil.
2. No storage of any construction equipment.
3. No vehicular access.
4. No cutting of roots.
5. No disturbance of soil or grade changes.
6. No objects of any kind to be attached to tree trunks.

F. The contractor shall install a 5' high temporary chain link fence with one pedestrian access gate along the boundary of the TPZ. See *5' HIGH TREE PROTECTION FENCE* detail at the end of the document.

G. The contractor shall provide one sign per each 20 lineal ft. of fence bordering the TPZ indicating that fencing shall not be removed. See sign detail that is included as part of the temporary chain link detail.

H. No work is permitted within the TPZ without the approval of each of the following: 1) the project landscape architect, 2) the project manager, and 3) RAP Forestry staff. Any work authorized within the TPZ must be done in accordance with the recommendations of a RAP arborist and under the supervision of a Monitoring Arborist. A Monitoring Arborist must be: 1) an ISA Certified Arborist or a Registered Consulting Arborist, with verifiable experience in protecting trees during construction; 2) approved by RAP Forestry. The Monitoring Arborist shall be hired and paid by the contractor.

I. Irrigation to all trees not specifically designated for removal shall be kept in operation for the duration of the project. Contractor shall be responsible for hand watering all impacted trees if necessitated by temporary shutdowns to existing irrigation systems. Trees are to be irrigated deeply and infrequently so that soil moisture is detectable at a minimum depth of 18" using a soil probe.

J. Upon job completion, contractor shall remove all items installed to protect trees during the construction process.

K. Any of the following Southern California native tree species fall under Ordinance No. 177404 of the Los Angeles Municipal Code:
1. Oaks, including Valley Oak (*Quercus lobata)*, California Live Oak (*Quercus agrifolia),* or any other tree of the oak genus indigenous to California but excluding Scrub Oak *(Quercus dumosa);*
2. Southern California Black Walnut *(Juglans californica* var. *californica);*
3. Western Sycamore *(Platanus racemosa);*
4. California Bay *(Umbellularia californica).*

Contractor shall comply with the requirements of the ordinance found at: http://cityplanning.lacity.org/Code_Studies/Other/ProtectedTreeOrd.pdf.

II. Consequences of violating the Tree Protection Specifications:

A. ANY FAILURE BY THE CONTRACTOR TO ADHERE TO THE REQUIREMENTS SPECIFIED WITHIN THESE SPECIFICATIONS WILL RESULT IN THE SUSPENSION OF ALL CONSTRUCTION ACTIVITIES, TO BE DONE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT FOR OR REPLACEMENT OF ANY TREES DAMAGED THROUGH NON-COMPLIANCE WITH THESE SPECIFICATIONS. The choice of whether the damaged trees are replaced or paid for will be determined by RAP Forestry.

1. **Monetary valuations** for damaged trees will be determined by RAP Forestry.
2. **How RAP determines the quantity, species, and location of replacement trees:**
   a) Measuring the diameter of the tree(s) being replaced:
      1) For single trunk trees, the diameter (DBH) is measured 4.5' above the ground.
      2) For multi-trunk trees, the DBH of each of the multiple trunks is measured 4.5' above the ground, then all are summed to arrive at a single diameter value.
   b) The ratio of the sum of calipers (as defined by RAP Nursery Specifications) of new trees planted vs. the sum of the diameters of existing trees removed shall be at least 1:1. The specific number of replacement trees will be determined by RAP Forestry staff and the project landscape architect.
   c) If the replacement ratio cannot be achieved within the project boundaries, then one of the following shall apply:
      1) Deliver the trees to RAP Forestry.
      2) Deliver the trees to the nearest RAP service yard.
      3) Plant the trees beyond the project on an approved, area-wide basis.
   d) RAP Forestry staff and the project landscape architect shall determine the replacement tree species/planting location and shall also ensure the health/quality of the trees.

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Los Angeles, California 90033
T. 213 384 3844 studio-mla.com

ENGINEERING
CITY OF LOS ANGELES

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	JMENTS 90%		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
5/30/2024
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TREE DISPOSITION SCHEDULE & NOTES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
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C:\ARCH_ENG\Tree Protection\2018 Updates-Tree Protection Specs\Tree Protection Specifications - Nov 2018.doc

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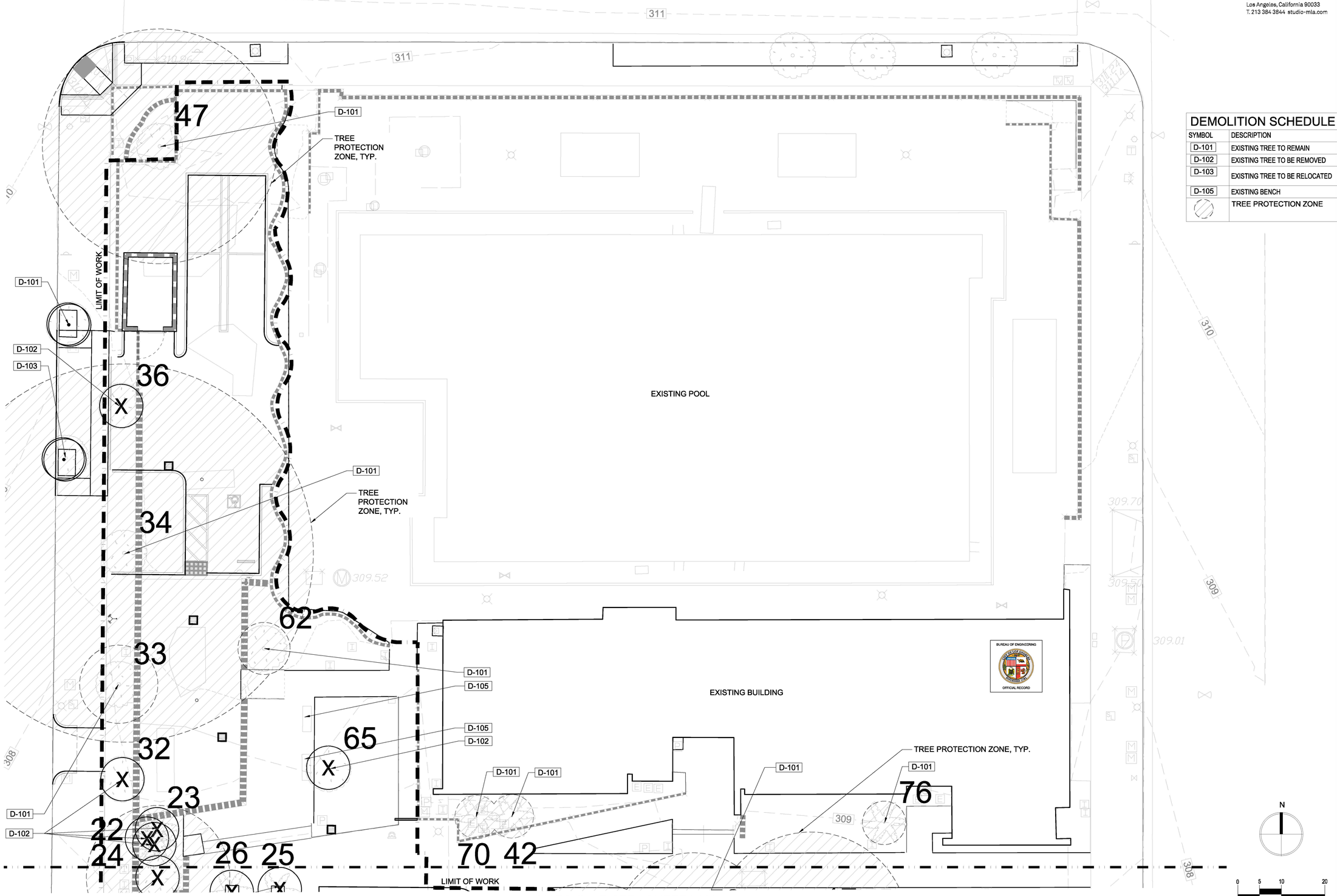

MATCHLINE SEE - SHEET L102

DEMOLITION SCHEDULE

SYMBOL	DESCRIPTION
D-101	EXISTING TREE TO REMAIN
D-102	EXISTING TREE TO BE REMOVED
D-103	EXISTING TREE TO BE RELOCATED
D-105	EXISTING BENCH
	TREE PROTECTION ZONE

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CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER
SHEET TITLE: TREE DISPOSITION PLAN
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

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WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L101
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MATCHLINE SEE - SHEET L101

LIMIT OF WORK

EXISTING BUILDING

TREE PROTECTION ZONE, TYP.

LIMIT OF WORK

LIMIT OF WORK

EXISTING BASKETBALL COURT

EXISTING CONCRETE PADS, PROTECT IN PLACE.

EXISTING CONCRETE PADS, PROTECT IN PLACE.

EXISTING CONCRETE PATH TO REMAIN.

EXISTING CONCRE PAD TO REMAIN.

EXISTING CONCRETE PAD TO REMAIN.

LIMIT OF WORK

D-101 D-102 D-103

DEMOLITION SCHEDULE

SYMBOL	DESCRIPTION
D-101	EXISTING TREE TO REMAIN
D-102	EXISTING TREE TO BE REMOVED
D-103	EXISTING TREE TO BE RELOCATED
D-105	EXISTING BENCH
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1" = 10'

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CONSTRUCTION NOTES

1. CONTRACTOR TO COORDINATE AND SCHEDULE WORK OF ALL TRADES SO AS TO NOT DELAY AT ANY PHASE OF COMPLETION, CONSTRUCTION DUE TO INTERCONNECTING WORK, OR LATE SCHEDULING. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT ALL SUB-TRADES ARE FAMILIAR WITH THE COMPLETE CONSTRUCTION DOCUMENTS PACKAGE INCLUDING WORK THAT MAY OR MAY NOT BE PART OF THEIR SCOPE.
2. WORK SHALL BE PERFORMED WITH THE BEST ACCEPTED PRACTICES OF THE RESPECTED TRADES. ALL MATERIALS TO BE NEW (UNLESS OTHERWISE NOTED ON DRAWINGS), FIRST CLASS IN EVERY RESPECT, AND SHALL CONFORM TO CONTRACT DOCUMENTS.
3. DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS.
4. NOTIFY DIG-ALERT (800.422.4133) TO OBTAIN AN UNDERGROUND SERVICE ID AT LEAST TWO (2) DAYS PRIOR BEFORE PROCEEDING WITH ANY EXCAVATION. LOCATIONS OF ALL SERVICE UTILITY RUNS, SUCH AS WATER SUPPLY, GAS, FIBER, ELECTRICAL (OVERHEAD AND UNDERGROUND), TELEPHONE, STORM, AND SANITARY SEWER, ETC. SHOULD BE ASCERTAINED BEFORE WORK COMMENCES. WHERE SERVICES MAY BE AFFECTED BY EXCAVATION, OR WHERE MACHINES MAY BE WORKING NEARBY, THEY SHOULD BE CAREFULLY SEALED, PROTECTED, OR DIVERTED. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.
5. COORDINATE ALL UTILITY RUNS AND INSTALLATIONS (EXISTING AND NEW) PRIOR TO PAVING INSTALLATION. VERIFY ALL SLEEVES AND ELECTRIC SOURCES FOR IRRIGATION CONTROL AND LIGHTING.
6. CLEAN OUT AND ADJUST EXISTING DRAIN INLETS TO ACCOMMODATE PROPOSED SURFACE DRAINAGE. ADJUST LATERAL DRAIN LINES AS NECESSARY TO BEST LINK EXISTING MAIN LINES.SEE CIVIL PLANS FOR DRAINAGE ELEVATIONS.
7. OBTAIN INSPECTION AND APPROVAL OF FORM WORK FROM BCA INSPECTOR AND REINFORCING PRIOR TO PLACING CONCRETE.
8. TRANSITIONS FROM EXISTING PAVING TO NEW PAVING OR BETWEEN DIFFERENT PAVING TYPES SHALL BE FLUSH, UNLESS OTHERWISE NOTED.
9. GRADIENTS SHALL POSITIVELY SLOPE AWAY FROM FOUNDATION(S) TOWARDS DRAIN INLETS AND DRAINAGE SWALES AT A MINIMUM RATE OF 1/8" PER FOOT. INSTALL CONCRETE FORM WORK WITH LONG, EVEN GRADIENTS TO ELIMINATE DIPS, RIDGES, ABRUPT CHANGES OF GRADE, AND SHARP TRANSITIONS.
10. INSTALL EXPANSION JOINTS (EJ) AT ALL VERTICAL ELEMENTS. INSTALL CONSTRUCTION CONTROL JOINTS (CCJ) AT MAX. 12'-0". ZIP JOINTS WILL NOT BE ALLOWED. INSTALL EJ'S AND CCJ'S AT 90° TO THE EDGE OF CONCRETE PAVING. SEE PLANS FOR ADDITIONAL INFORMATION AND LOCATIONS. CONTRACTOR TO PROVIDE SHOP DRAWING JOINTING PLAN FOR ALL EXPANSION JOINTS (EJ) AND CONSTRUCTION JOINTS (CCJ) LAYOUT PRIOR TO CONSTRUCTION.
11. PRIOR TO PLACING CONCRETE, SUFFICIENTLY MOISTEN THE SUBGRADE AND PROVIDE SUBGRADE PREPARATIONS PER GEOTECHNICAL REPORT RECOMMENDATION.
12. INSTALL CONCRETE IMPROVEMENTS THAT OBTAIN A MINIMUM COMPRESSIVE STRENGTH NOTED IN SPECIFICATIONS. CONCRETE TYPE IS ALSO INDICATED IN SPECIFICATIONS; SUBMIT CONCRETE DESIGN MIXES AND REFEREE FINISH SAMPLES TO BCA INSPECTOR. PREPARE FIELD MOCKUPS AND OBTAIN THEIR APPROVAL PRIOR TO INSTALLATON OF CONCRETE. INSTALL CONCRETE FLAT WORK PER GEOTECHNICAL REPORT. IN CASE OF CONFLICT BETWEEN GEOTECHNICAL REPORT AND DETAILS, THE MOST STRINGENT REQUIREMENTS WILL APPLY.
13. WATERPROOF, BACKFILL AND COMPACT BEHIND ALL WALLS AND MASONRY STRUCTURES AS REQUIRED ON DRAWINGS. BACKFILL PLANTERS WITH IMPORTED AMENDED SOIL MIXTURE PER SPECIFICATIONS.
14. CITY SHALL EMPLOY AND PAY FOR SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM SPECIFIED INSPECTION AND TESTING. IN THE EVENT A TEST AND/OR INSPECTION INDICATES FAILURE OF A MATERIAL OR PROCEDURE TO MEET REQUIREMENTS OF THE CONTRACT DOCUMENTS, COSTS FOR RE-TESTING AND/OR RE-INSPECTION WILL BE PAID BY THE OWNER AND BACK-CHARGED TO THE CONTRACTOR.

CONSTRUCTION SCHEDULE

	AMENITIES								
SYMBOL	DESCRIPTION	QTY	DETAIL	MODEL	FINISH	COLOR	MANUFACTURER	REMARKS	
A-101	GROUND SET FLAGPOLE	1	1/L602	TITAN SERIES, #IWW35D81, 35' MOUNTING HEIGHT, TAPERED ALUMINUM, GROUND SET, WITH INTERNAL HALYARD, AND 6' X 10' POLYESTER U.S.A FLAG.	SATIN BRUSHED	ALUMINUM PER MFG.	AMERICAN FLAGPOLE OR EQUAL	REFER TO SPECIFICATIONS FOR ACCESSORIES.	

	EDGING								
SYMBOL	DESCRIPTION	QTY	DETAIL	MATERIAL	FINISH	COLOR	MANUFACTURER	REMARKS	
E-101	CONCRETE CURB	523 LF	4/C4.01	CIP CONCRETE	TOP CAST #05 SURFACE RETARDER	NATURAL GRAY	-	SEE FOOTNOTE #1	

	PAVING								
SYMBOL	DESCRIPTION	QTY	DETAIL	MATERIAL	FINISH	COLOR	MANUFACTURER	DIMENSION	REMARKS
P-101	CONCRETE PAVING - TYPE 1	346 SF	2,3/C4.01	CIP CONCRETE WITH INTEGRAL COLOR	TOPCAST #125 SURFACE RETARDER	DAVIS COLORS: MESA BUFF 5447	-		INSTALL PER MANUFACTURER`S RECOMMENDATIONS. SEE FOOTNOTES #1 AND #2
P-102	CONCRETE PAVING - TYPE 2	3,480 SF	2,3/C4.01	CIP CONCRETE WITH INTEGRAL COLOR	TOPCAST #25 SURFACE RETARDER	DAVIS COLORS: MESA BUFF 5447	-		INSTALL PER MANUFACTURER`S RECOMMENDATIONS. SEE FOOTNOTES #1 AND #2
P-103	BB COURT STRIPING	855 LF	2,3/C4.01	STREETBOND SB120 PART A + PART B + COLORANT	FLAT	WHITE	CREATIVE PAVING SOLUTIONS		2" WIDE MARKINGS; APPLY PER MFG. INSTRUCTIONS
P-104	BB COURT STREETBOND - TYPE 1	889 SF		STREETBOND SB120 PART A + PART B + COLORANT	FLAT	SR MUSTARD	CREATIVE PAVING SOLUTIONS		APPLY PER MFG. INSTRUCTIONS. SEE FOOTNOTE #1
P-105	BB COURT STREETBOND - TYPE 2	2,147 SF		STREETBOND SB120 PART A + PART B + COLORANT	FLAT	SEA FOAM	CREATIVE PAVING SOLUTIONS		APPLY PER MFG. INSTRUCTIONS. SEE FOOTNOTE #1
P-106	BB COURT STREETBOND - TYPE 3	1,697 SF		STREETBOND SB120 PART A + PART B + COLORANT	FLAT	SR PAPRIKA	CREATIVE PAVING SOLUTIONS		APPLY PER MFG. INSTRUCTIONS. SEE FOOTNOTE #1
P-107	VEHICULAR CONCRETE PAVING - TYPE 1	887 SF	1,3/C4.01	CIP CONCRETE WITH INTEGRAL COLOR	TOPCAST #125 SURFACE RETARDER	DAVIS COLORS: MESA BUFF 5447	-	-	INSTALL PER MANUFACTURER`S RECOMMENDATIONS. SEE FOOTNOTES #1 AND #2
P-108	VEHICULAR CONCRETE PAVING -TYPE 2	1,886 SF	1,3/C4.01	CIP CONCRETE WITH INTEGRAL COLOR	TOPCAST #25 SURFACE RETARDER	DAVIS COLORS: MESA BUFF 5447	-	-	INSTALL PER MANUFACTURER`S RECOMMENDATIONS. SEE FOOTNOTES #1 AND #2
P-110	VEHICULAR ASPHALT PAVING	2,414 SF	8/C4.01	-	-	-			SEE CIVIL DRAWINGS
P-200	DETECTABLE WARNING ADA PAVER	15 SF	11/C4.01	-	-	-	-		SEE CIVIL DRAWINGS

	SITE FURNISHINGS								
SYMBOL	DESCRIPTION	QTY	DETAIL	MODEL/MATERIAL	FINISH	COLOR	MANUFACTURER	REMARKS	
S-106	BIKE RACK	2	2/L601	FLO MODEL / STAINLESS STEEL (THREE (3) BIKE CAPACITY / RACK)	#4 SATIN, PER MFG.	N/A	LANDSCAPE FORMS OR EQUAL	INSTALL PER MANUFACTURER RECOMMENDATIONS. EMBED SET IN CIP CONCRETE FOUNDATIONS.	
S-107	ACCESSIBLE DRINKING FOUNTAIN - TYPE 1	1	2/L602	GYQ84-GYQ SERIES PEDESTAL MOUNTED BOTTLE FILLER WITH BI-LEVEL DRINKING BASINS	STAINLESS STEEL PER MFG.	CHROME	MURDOCK OR EQ.	INSTALL PER MFG. SPECIFICATIONS AND MEET LOCAL CODE REQUIREMENTS.	
S-108	ACCESSIBLE DRINKING FOUNTAIN - TYPE 2	1	2/L602	M-OBF4-M-OBF4 PEDESTAL MOUNTED BOTTLE FILLER WITH SENSOR & PUSH BUTTON	STAINLESS STEEL PER MFG.	CHROME	MURDOCK OR EQ.	INSTALL PER MFG. SPECIFICATIONS AND MEET LOCAL CODE REQUIREMENTS.	
S-110	BIKE LOCKER	2	PER ARCH.	-	-	-	-	REFER TO ARCHITECTURAL PLANS	
S-112	EXISTING BENCH	2		-	-	-	-	EXISTING BENCH TO BE SALVAGED AND RELOCATED.	
S-113	ALUMINUM BLEACHERS	2	PER ARCH.		-	-		SEE ARCHITECTURE SPECIFICATIONS	

	WALLS								
SYMBOL	DESCRIPTION	QTY	DETAIL	MATERIAL	FINISH	COLOR	MANUFACTURER	REMARKS	
W-102	CONCRETE SEATWALL - 2 TIERED	153 LF	1/L601	CIP CONCRETE	LIGHT SANDBLAST	DAVIS COLORS: MESA BUFF 5447	-	SEE FOOTNOTE #1.	

FOOTNOTES

1. FINAL SELECTION OF MATERIAL / FINISH CONTINGENT UPON MOCK-UP REVIEW AND ACCEPTANCE BY LANDSCAPE ARCHITECT.
2. REFER TO CIVIL DRAWINGS FOR CONCRETE PAVING THICKNESS, REINFORCEMENT, AND SUBGRADE REQUIREMENTS.

HEAT ISLAND REDUCTION

PAVING

SYMBOL	DESCRIPTION	QTY	MANUFACTURER	MATERIALS	SOLAR REFLECTANCE	COLOR	% OF TOTAL SF	LARR
P-101 & P-102, F	CONCRETE AREA	6,543		C.I.P. CONCRETE	0.41	MESA BUFF	73%	
P-110	VEHICULAR ASPHALT PAVING	2,414		ASPHALT	0.1		27%	
		8,957					73%	

73% OF PAVING IS SOLAR REFLECTANCE INDEX > 0.3

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ENGINEERING
CITY OF LOS ANGELES

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	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT JAN DYER 5623 11-30-24 3/20/2024 STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:

ARCHITECT: MICHAEL B. LEHRER, FAIA
ARCHITECTURAL DIVISION
LIC. NO.: C12115

DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: CONSTRUCTION NOTES & SCHEDULE

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L200A
SHEET ___ OF ___ SHEETS

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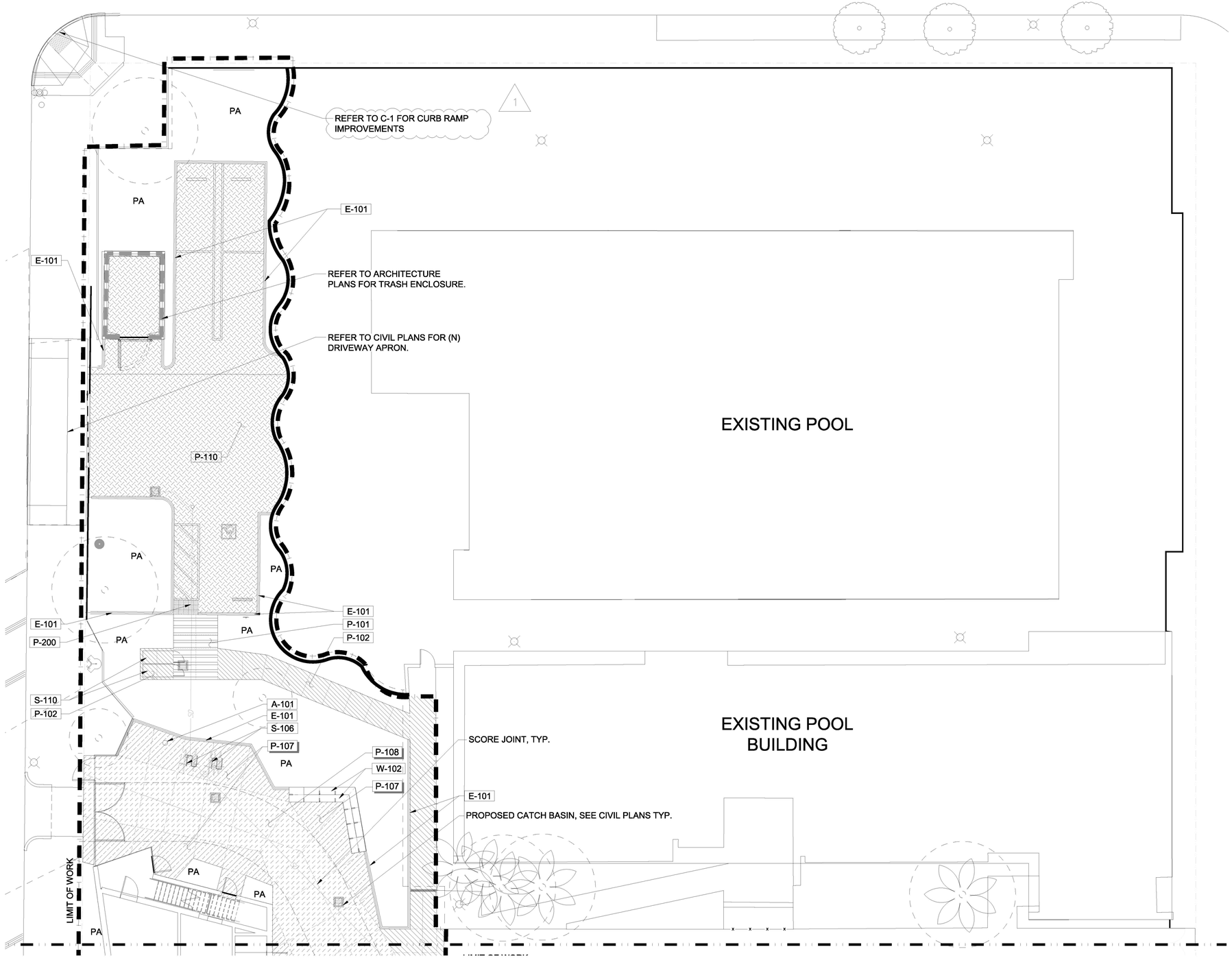

CONSTRUCTION SCHEDULE

	AMENITIES		
SYMBOL	DESCRIPTION	QTY	DETAIL
A-101	GROUND SET FLAGPOLE	1	1/L602

	EDGING		
SYMBOL	DESCRIPTION	QTY	DETAIL
E-101	CONCRETE CURB	523 LF	4/C4.01

	PAVING		
SYMBOL	DESCRIPTION	QTY	DETAIL
P-101	CONCRETE PAVING - TYPE 1	346 SF	2,3/C4.01
P-102	CONCRETE PAVING - TYPE 2	3,480 SF	2,3/C4.01
P-103	BB COURT STRIPING	855 LF	2,3/C4.01
P-104	BB COURT STREETBOND - TYPE 1	889 SF	
P-105	BB COURT STREETBOND - TYPE 2	2,147 SF	
P-106	BB COURT STREETBOND - TYPE 3	1,697 SF	
P-107	VEHICULAR CONCRETE PAVING - TYPE 1	887 SF	1,3/C4.01
P-108	VEHICULAR CONCRETE PAVING -TYPE 2	1,886 SF	1,3/C4.01
P-110	VEHICULAR ASPHALT PAVING	2,414 SF	8/C4.01
P-200	DETECTABLE WARNING ADA PAVER	15 SF	11/C4.01

	SITE FURNISHINGS		
SYMBOL	DESCRIPTION	QTY	DETAIL
S-106	BIKE RACK	2	2/L601
S-107	ACCESSIBLE DRINKING FOUNTAIN - TYPE 1	1	2/L602
S-108	ACCESSIBLE DRINKING FOUNTAIN - TYPE 2	1	2/L602
S-110	BIKE LOCKER	2	PER ARCH.
S-112	EXISTING BENCH	2	
S-113	ALUMINUM BLEACHERS	2	PER ARCH.

	WALLS		
SYMBOL	DESCRIPTION	QTY	DETAIL
W-102	CONCRETE SEATWALL - 2 TIERED	153 LF	1/L601

NOTE:
SEE SHEET L200A FOR COMPLETE CONSTRUCTION SCHEDULE

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		IMENTS 90%	

BUILDING NO. -
INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: CONSTRUCTION PLAN
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

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0 5 10 20
1" = 10'

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L201
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MATCHLINE SEE - SHEET L201

LIMIT OF WORK

S-107

PA SCORE JOINT, TYP.

P-108

EXISTING CONCRETE PAD TO REMAIN.

P-103

P-105

P-107

PA

P-102

LIMIT OF WORK

LIMIT OF WORK

EXISTING CONCRETE PATH TO REMAIN.

P-106

P-104

P-103

S-112

BUILDING. REFER TO ARCHITECTURE DRAWINGS

EXISTING CONCRETE PAD TO REMAIN.

DRYWELL PER CIVIL.

STORMWATER TANK PER CIVIL.

P-103

E-101

PROPOSED CATCH BASIN, SEE CIVIL PLANS

P-101

S-112

PA

P-102

PREPARED FOR CITY-DESIGNED/FURNISHED PLAYGROUND. PLAY EQUIPMENT PER CITY.

E-101

P-102

P-102

S-113

S-108

S-113

LIMIT OF WORK

EXISTING IRRIGATION EQUIPMENT TO REMAIN IN PLACE

CONSTRUCTION SCHEDULE

	AMENITIES		
SYMBOL	DESCRIPTION	QTY	DETAIL
A-101	GROUND SET FLAGPOLE	1	1/L602

	EDGING		
SYMBOL	DESCRIPTION	QTY	DETAIL
E-101	CONCRETE CURB	523 LF	4/C4.01

	PAVING		
SYMBOL	DESCRIPTION	QTY	DETAIL
P-101	CONCRETE PAVING - TYPE 1	346 SF	2,3/C4.01
P-102	CONCRETE PAVING - TYPE 2	3,480 SF	2,3/C4.01
P-103	BB COURT STRIPING	855 LF	2,3/C4.01
P-104	BB COURT STREETBOND - TYPE 1	889 SF	
P-105	BB COURT STREETBOND - TYPE 2	2,147 SF	
P-106	BB COURT STREETBOND - TYPE 3	1,697 SF	
P-107	VEHICULAR CONCRETE PAVING - TYPE 1	887 SF	1,3/C4.01
P-108	VEHICULAR CONCRETE PAVING -TYPE 2	1,886 SF	1,3/C4.01
P-110	VEHICULAR ASPHALT PAVING	2,414 SF	8/C4.01
P-200	DETECTABLE WARNING ADA PAVER	15 SF	11/C4.01

	SITE FURNISHINGS		
SYMBOL	DESCRIPTION	QTY	DETAIL
S-106	BIKE RACK	2	2/L601
S-107	ACCESSIBLE DRINKING FOUNTAIN - TYPE 1	1	2/L602
S-108	ACCESSIBLE DRINKING FOUNTAIN - TYPE 2	1	2/L602
S-110	BIKE LOCKER	2	PER ARCH.
S-112	EXISTING BENCH	2	
S-113	ALUMINUM BLEACHERS	2	PER ARCH.

	WALLS		
SYMBOL	DESCRIPTION	QTY	DETAIL
W-102	CONCRETE SEATWALL - 2 TIERED	153 LF	1/L601

NOTE:
SEE SHEET L200A FOR COMPLETE CONSTRUCTION SCHEDULE

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0 5 10 20
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BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER DATE:

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: CONSTRUCTION PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. L202

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LAYOUT NOTES

1. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. NOTED DIMENSIONS OR COORDINATE POINTS TAKE PRECEDENCE OVER SCALE, LARGER SCALE OVER SMALLER SCALE, ADDENDA AND CLARIFICATIONS OVER PREVIOUS DOCUMENTS.
2. CONTRACTOR TO LAY OUT HARDSCAPE ELEMENTS AND VERIFY LAYOUT WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. HARDSCAPE ELEMENTS ARE DIMENSIONED AND/OR IDENTIFED BY COORDINATE POINTS ON THE LANDSCAPE LAYOUT PLAN. ANY DISCREPANCIES OR CONFLICTS WITH EXISTING CONDITIONS OR OTHER DRAWINGS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY FOR PROPER CLARIFICATION OR ADJUSTMENT.
3. FOR DIMENSIONS OF EXISTING BUILDINGS, PROPOSED BUILDING IMPROVEMENTS AND RELATED WORK, REFER TO THE ARCHITECTURAL DRAWINGS.
4. WHERE DIMENSIONS ARE CALLED AS "EQUAL," SPACE REFERENCED ITEMS EQUALLY, MEASURED TO THEIR CENTER LINE.
5. MEASUREMENTS ARE TO FACE OF BUILDING, WALL OR FIXED SITE IMPROVEMENT. DIMENSIONS TO CENTER LINES IS AS INDICATED
6. INSTALL INTERSECTING ELEMENTS AT 90 DEGREE ANGLES TO EACH OTHER UNLESS OTHERWISE NOTED.
7. PROVIDE EXPANSION JOINTS WHERE CONCRETE FLATWORK MEETS VERTICAL STRUCTURES SUCH AS WALLS, CURBS, STEPS AND BUILDING ELEMENTS.
8. ALL WALKWAYS SHALL BE LOCATED FROM FINISHED FACE OF BUILDINGS.
9. ALL RADII OF WALKWAY INTERSECTIONS ON THE PLANS SHALL BE 4'-0" OR AS INDICATED ON THE PLANS.
10. ALL WALKWAYS SHALL BE 6'-0" WIDE UNLESS OTHERWISE NOTED.
11. EXPANSION JOINTS IN CONCRETE WALKWAYS SHALL BE LOCATED 20'-0" O.C. MAXIMUM UNLESS OTHERWISE INDICATED.

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BUILDING NO. -

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LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
DEPARTMENT OF

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: LAYOUT NOTES & SCHEDULE
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L300A
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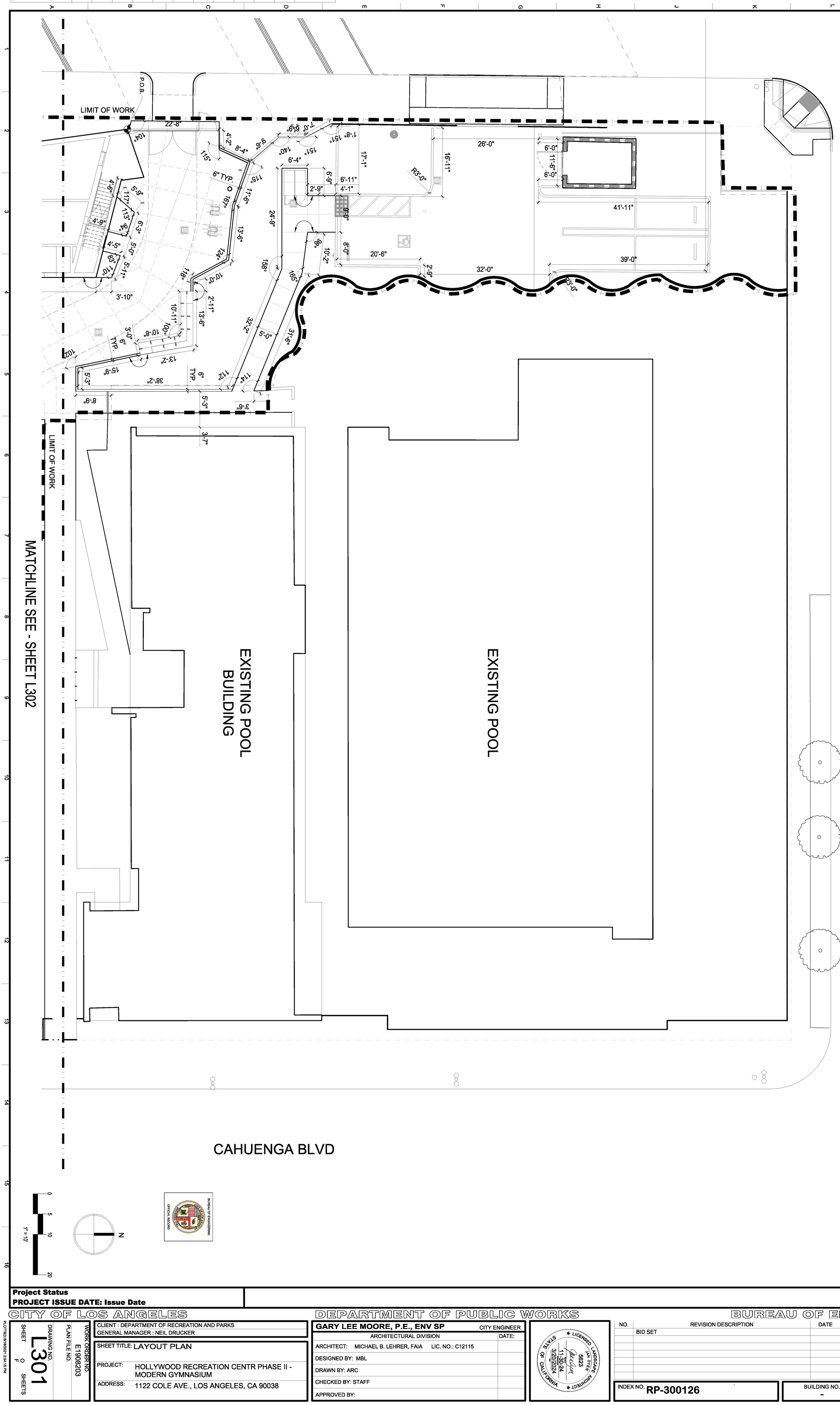

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PLAN FILE NO.
WORK ORDER NO. E1908203

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: LAYOUT PLAN
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	
DESIGNED BY: MBL	
DRAWN BY: ARC	
CHECKED BY: STAFF	
APPROVED BY:	

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
STATE OF CALIFORNIA
11-30-24
3/20/2024

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COLE AVE

LIMIT OF WORK

EXISTING FIELDS

BUILDING. REFER TO ARCHITECTURE DRAWINGS

MATCHLINE SEE - SHEET L301

LIMIT OF WORK

LIMIT OF WORK

LIMIT OF WORK

0 5 10 20

1" = 10'

N

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PLAN FILE NO.
WORK ORDER NO. E1908203

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GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: LAYOUT PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	
DESIGNED BY: MBL	
DRAWN BY: ARC	
CHECKED BY: STAFF	
APPROVED BY:	

LICENSED LANDSCAPE ARCHITECT 5623 JAN DYER STATE OF CALIFORNIA 11-30-24 3/20/2024

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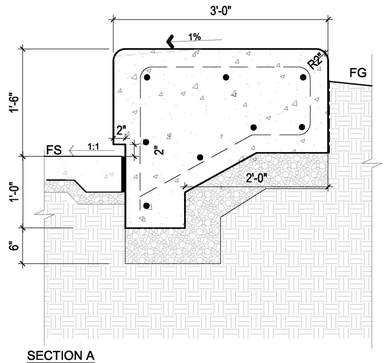

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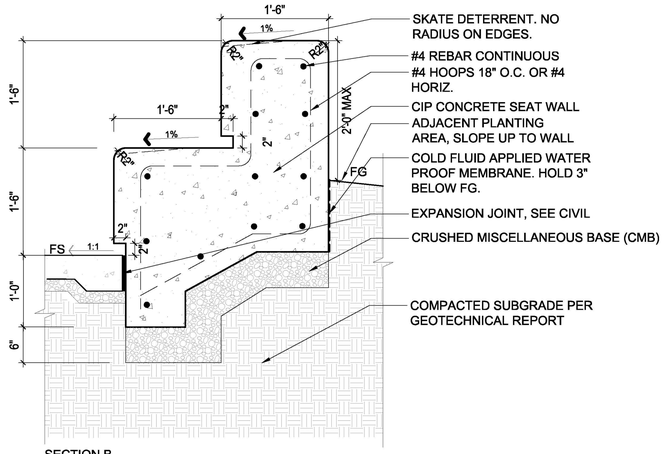
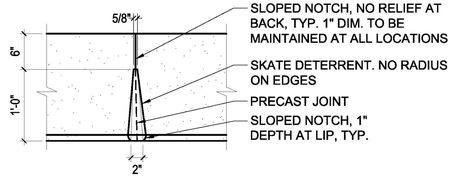
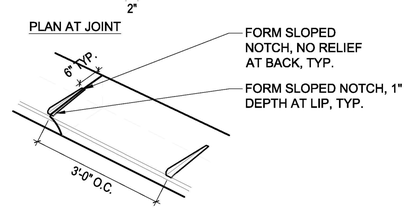


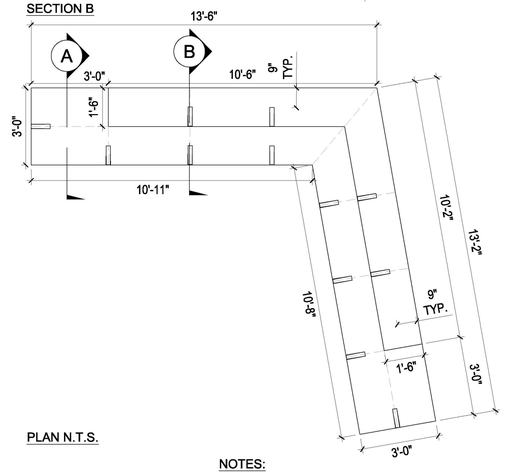
SECTION B



PLAN AT JOINT



AXONOMETRIC VIEW
(SKATE DETERRENT) N.T.S.



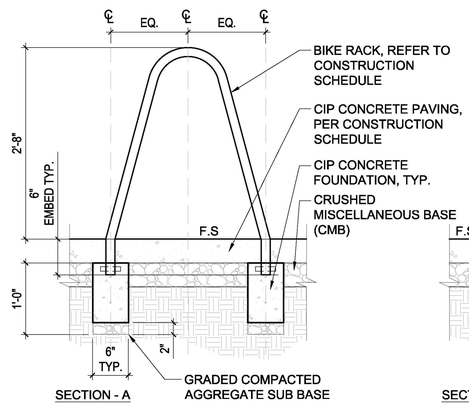
PLAN N.T.S.

NOTES:
SEE PLAN FOR ALL SKATE DETERRENT LOCATIONS.
CONTRACTOR TO PROVIDE A FULL SIZE MOCKUP FOR LANDSCAPE ARCHITECT REVIEW/APPROVAL PRIOR TO INSTALLATION.

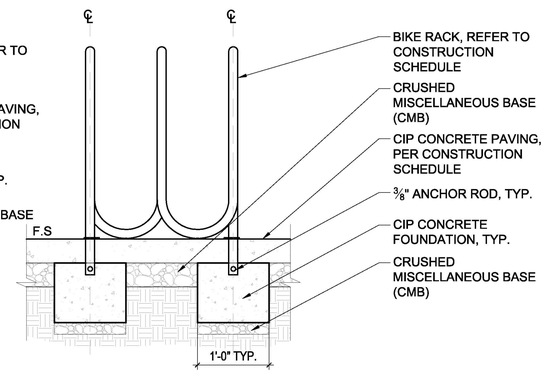
1 CIP CONCRETE SEATWALL - 2 TIERED

1" = 1'-0"

P-HRC2019-033001-03



SECTION - A



SECTION - B

NOTES:

1. REFER TO CITY OF LA STANDARD PLAN S-671-2 FOR MOUNTING PROCEDURES AND SPACING REQUIREMENTS. THE BICYCLE RACKS SHALL BE SETBACK A MINIMUM OF 3'-0" FROM ANY OBSTRUCTIONS.

2 BIKE RACK

1" = 1'-0"

P-HRC2019-323313-11

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CITY OF LOS ANGELES
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CITY OF LOS ANGELES

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	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE CONSTRUCTION DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L601
SHEET # OF SHEETS #

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
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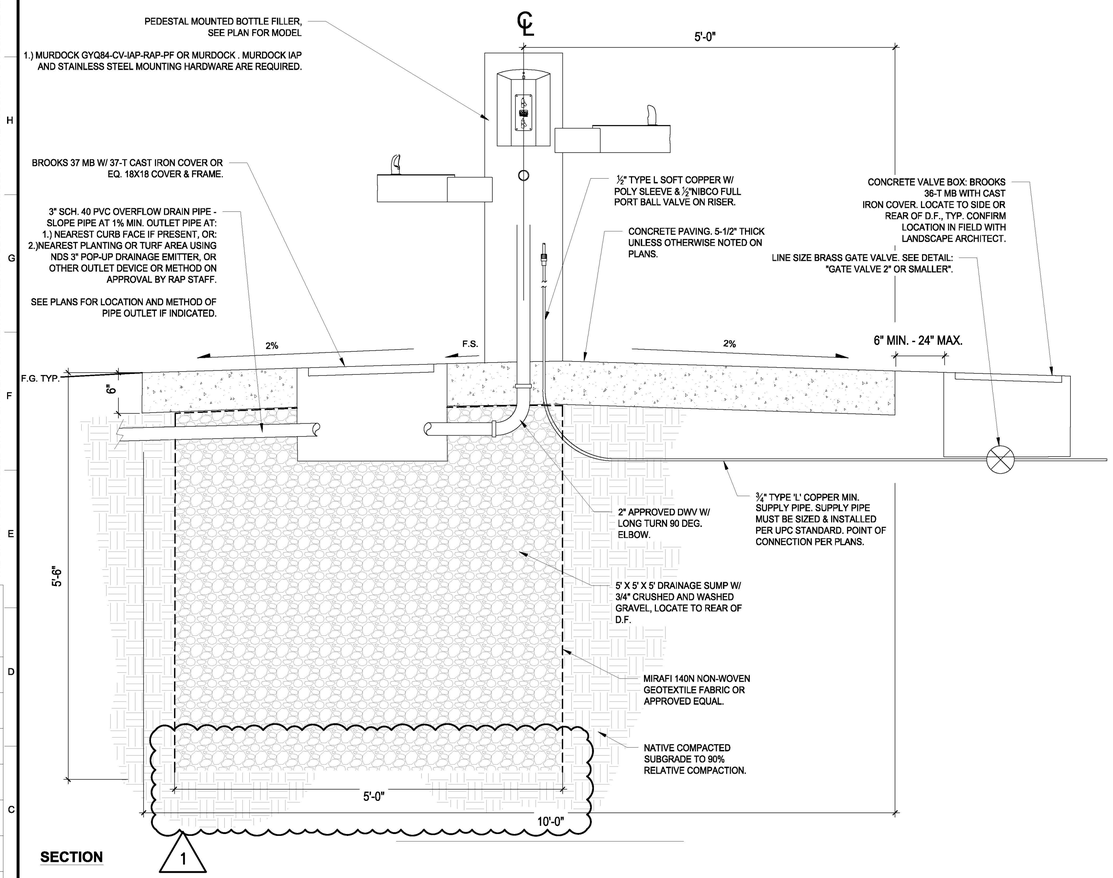


SECTION

1

NOTES:

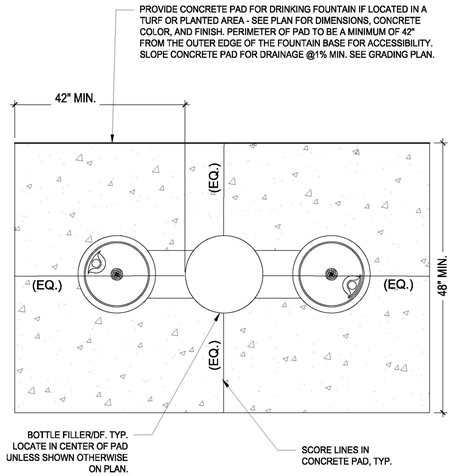
1.) INSTALL PER DETAIL. REFER TO MANUFACTURER'S INSTRUCTION FOR PLUMBING AND MOUNTING DRINKING FOUNTAIN UNIT.

2.) CONTRACTOR SHALL SUBMIT LOCATION FOR SUMP AND OVERFLOW DRAINAGE LAYOUT FOR APPROVAL BY LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BEGINNING EXCAVATION.

DOMESTIC LINE STERILIZATION PROCEDURE:

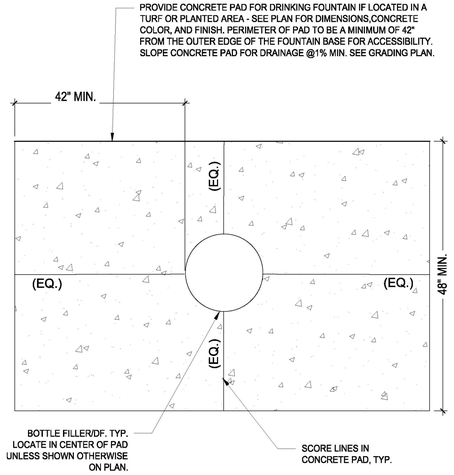
1.) FLUSH DOMESTIC WATER LINES COMPLETELY.
2.) USING A PROPORTIONING PUMP, INJECT SODIUM HYPOCHLORITE LIQUID DISINFECTANT INTO THE DOMESTIC LINE THROUGH A ¾" SERVICE COCK AT A POINT AS CLOSE TO THE WATER METER AS POSSIBLE.
3.) OPEN BUBBLERS ON ALL D.F. UNITS INSTALLED TO DISTRIBUTE DISINFECTANT THROUGHOUT THE DOMESTIC LINE SYSTEM.
4.) VERIFY BY TESTING THAT A MINIMUM CONCENTRATION OF 50 PPM OF DISINFECTANT IS ACHIEVED AT EACH D.F. UNIT.
5.) DISINFECTANT SHALL REMAIN IN THE SYSTEM FOR 24 HOURS MINIMUM.
6.) AT THE END OF THE 24 HOUR PERIOD, THE RESIDUAL LEVEL OF DISINFECTANT SHALL NOT BE LESS THAN 10 PPM.
7.) ALL LINES SHALL BE FLUSHED THOROUGHLY AFTER DISINFECTION IS COMPLETED.
8.) A WATER SAMPLE AT EACH D.F. UNIT SHALL BE TESTED BY AN APPROVED TESTING LABORATORY. REQUIRED RESULTS ARE:
- COLIFORM-AEROGENES ORGANISMS: NEGATIVE
- TOTAL BACTERIA PLATE COUNT: LESS THAN 100 PER CUBIC CENTIMETER
- WATER POTABILITY: SAFE TO USE.

IF THE REQUIRED RESULTS ARE NOT MET, STERILIZATION PROCESS LISTED ABOVE SHALL BE REPEATED UNTIL THE REQUIRED TEST RESULTS ARE MET.



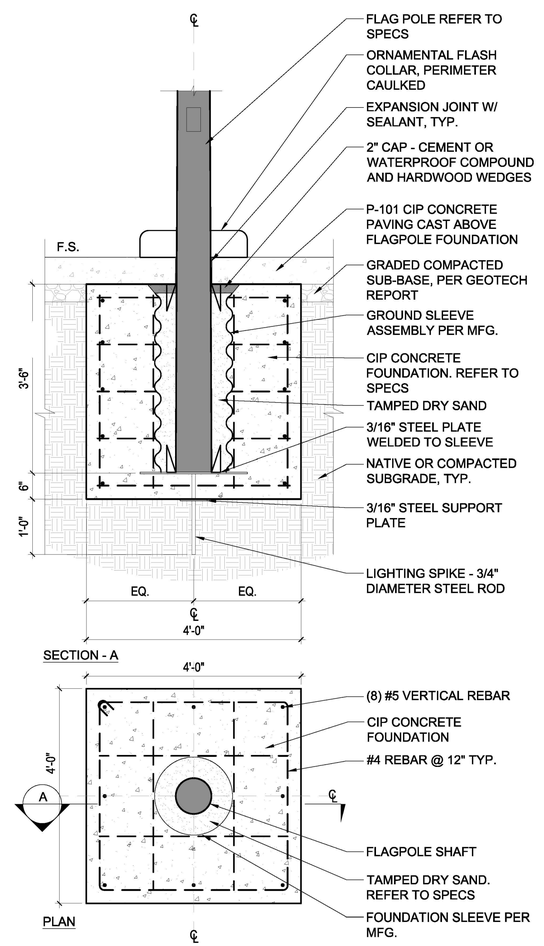
PLAN VIEW - S-107 ACCESSIBLE DRINKING FOUNTAIN -TYPE 1-GYQ84 SERIES PEDESTAL MOUNTED BOTTLE FILLER WITH BI-LEVEL DRINKING BASINS

NOT TO SCALE



PLAN VIEW - S-108 - ACCESSIBLE DRINKING FOUNTAIN TYPE 2 -M-OBFM4 PEDESTAL MOUNTED BOTTLE FILLER WITH PUSH BUTTON

NOT TO SCALE



1 GROUND SET FLAGPOLE

3/4" = 1'-0"

P-HRC2019-107516-02

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OFFICIAL RECORD

2 ACCESSIBLE BOTTLE FILLER AND DRINKING FOUNTAIN

NTS

BOE VERSION Feb/22

RP DETAIL L1732

TTLB TEMPLATE REVISION DATE: 06/30/2016
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T. 213 384 3844 studio-mla.com

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	JMENTS 90%		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:
GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
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CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: CONSTRUCTION DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO E1908203
PLAN FILE NO.
DRAWING NO. L602
SHEET O F SHEETS

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IRRIGATION NOTES

1. CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING AND NEW UTILITIES, STRUCTURES AND SERVICES BEFORE BEGINNING WORK. THE LOCATIONS OF UTILITY STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S AUTHORIZED REPRESENTATIVE.
2. IRRIGATION SYSTEM AS SHOWN IS A REPRESENTATIONAL DIAGRAM. ALL IRRIGATION EQUIPMENT AS SHOWN THAT MAY BE DELINEATED UPON OR WITHIN A PAVED AREA IS FOR DESIGN CLARITY ONLY; IT IS TO BE INSTALLED WITHIN PLANTING AREAS.
3. CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE IRRIGATION PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER PRIOR TO ANY WORK OR CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
4. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH APPLICABLE JURISDICTIONAL REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
5. ALL PIPING LOCATED UNDER PAVED AREAS SHALL BE INSTALLED IN PIPE SLEEVING TWICE (2X) THE DIAMETER OF THE PIPE BEING CARRIED. SEE IRRIGATION LEGEND FOR TYPE. ALL SYSTEM WIRING UNDER PAVED AREAS TO BE INSTALLED IN PVC SCH. 40 PIPING SIZED TO EASILY ACCOMMODATE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM COVERAGE DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
6. CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.
7. THE MAINLINE AND RELATED IRRIGATION EQUIPMENT SHOWN WITHIN THE PAVING IS GRAPHICALLY ILLUSTRATED FOR CLARITY ONLY. THE ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT SHALL BE WITHIN LANDSCAPE AREAS AND AT A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES. TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY; THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.
8. ACTUAL LOCATIONS FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND AUTOMATIC CONTROLLER(S) ARE TO BE DETERMINED IN THE FIELD BY THE PROJECT MANAGER.
9. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO IRRIGATION HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
10. CONTRACTOR SHALL PROVIDE AN ADDITIONAL (1) PILOT WIRE FROM EACH CONTROLLER ALONG THE ENTIRETY OF THE MAINLINE ROUTE TO THE LAST AUTOMATIC REMOTE-CONTROL VALVE ON EACH AND EVERY MAIN LINE SEGMENT. LABEL WIRE AT BOTH ENDS.
11. MAINLINE AND LATERAL LINE PIPING WITHIN BUILDINGS OR STRUCTURES SHALL BE TYPE K COPPER AND IS SHOWN FOR CLARITY ONLY; ACTUAL DESIGN AND ROUTING SHALL BE COMPLETED BY THE PLUMBING ENGINEER AND INSTALLED BY THE PLUMBING CONTRACTOR. EACH STUB-OUT WITHIN EACH PLANTER SHALL HAVE A COPPER FEMALE ADAPTER FOR USE BY THE LANDSCAPE CONTRACTOR. ALL PIPING THROUGH BUILDING SHALL BE PROVIDED BY PLUMBER.
12. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT A SCALED SHOP DRAWING INDICATING THE PROPOSED LOCATIONS FOR THE IRRIGATION EQUIPMENT LISTED. SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE THE PROPOSED LOCATIONS FOR THE FOLLOWING ITEMS:

- POINT OF CONNECTION (INCLUDING WATER POC, BACK FLOW PREVENTION DEVICES, MASTER CONTROL VALVES, FLOW SENSORS, IRRIGATION MAINLINE, ETC.).
- SYSTEM CONTROL AND ISOLATION VALVES.
- AUTOMATIC REMOTE-CONTROL VALVES (INDICATE STATION NUMBER).
- QUICK COUPLING VALVES.
- IRRIGATION CONTROLLER(S).
- 2-WIRE CONDUIT AND PULL / SPLICE BOXES
- RELATED EQUIPMENT (AS MAY BE DIRECTED).

13. EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL HAVE ITS PROPOSED INSTALLED LOCATION SHOWN ON THE SHOP DRAWINGS. THE SYMBOL FOR EACH PRODUCT SHALL BE A SCALED REPRESENTATION OF THE FOOTPRINT OF THE EQUIPMENT OR THE VALVE BOX IN WHICH THE EQUIPMENT IS INSTALLED. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE REVIEWED SHOP DRAWINGS. ONCE THE SHOP DRAWING LOCATIONS ARE REVIEWED, THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE WILL ALLOW NO ADJUSTMENTS TO THE APPROVED VALVE BOX PLACEMENT WITHOUT PRIOR WRITTEN ACCEPTANCE. ANY IRRIGATION EQUIPMENT INSTALLED WITHOUT SHOP DRAWING REVIEW WILL BE SUBJECT TO RELOCATION BASED ON DIRECTION BY THE LANDSCAPE ARCHITECT, AT THE CONTRACTOR'S EXPENSE.
14. ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN, AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED ACCORDINGLY TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES, HARDSCAPE, ETC. THIS INCLUDES BUT IS NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS, AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
15. THE PREPARATION OF IRRIGATION SYSTEM AS-BUILT DRAWINGS ARE A CONDITION OF THE CONTRACT. THESE DOCUMENTS SERVE AS WORK PROGRESS SHEETS; CONTRACTOR SHALL PROVIDE DAILY UPDATES TO THESE PLANS BY NEATLY AND LEGIBLY NOTATING CHANGES FROM THE CONTRACT DRAWINGS ON THE LOCATION(S), SIZE(S) AND/OR TYPE(S) OF MATERIALS OR EQUIPMENT AS INSTALLATION OCCURS. ANY GRAPHIC CHANGES SHOULD MATCH THE SYMBOL NOMENCLATURE AS ILLUSTRATED WITHIN THE CONTRACT DRAWINGS. AS-BUILTS SHALL BE AVAILABLE AT ALL TIMES FOR REVIEW BY THE OWNER'S AUTHORIZED REPRESENTATIVE OR LANDSCAPE ARCHITECT.

EXISTING IRRIGATION NOTES

1. CONTRACTOR SHALL MAINTAIN EXISTING MAINLINES IN WORKING ORDER. COORDINATE ALL INTERRUPTIONS OF OPERATION OF THE EXISTING IRRIGATION TO A MINIMUM. COORDINATE ALL INTERRUPTIONS WITH THE OWNER'S AUTHORIZED REPRESENTATIVE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION AND IF DAMAGED, SHALL REPLACE WITH SAME MANUFACTURER AND MODEL.
3. ANY EXISTING IRRIGATION CONTROL VALVES CONNECTED TO EXISTING CONTROLLER SHALL BE RECONNECTED TO EXISTING CONTROLLER. CONFIRM PROPER CONTROLLER OPERATION AND INSTALLATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK AND UPON COMPLETION OF WORK.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/MODIFICATION/REROUTING OF ALL ADJACENT IRRIGATION SYSTEM EQUIPMENT THAT IS AFFECTED BY NEW CONSTRUCTION IMPROVEMENTS. CONTRACTOR SHALL REPAIR SAID SYSTEMS TO A LIKE NEW MANNER, PROVIDING NO LESS THAN 100% OF HEAD RADIUS COVERAGE IN ALL AREAS WITH SYSTEM LAYOUT AS APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL CONFIRM ALL AREAS REQUIRING MODIFICATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BIDDING WORK AND PRIOR TO STARTING WORK.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISPOSAL OF ALL EXISTING IRRIGATION EQUIPMENT AFFECTED BY THE NEW CONSTRUCTION IMPROVEMENTS, IF NECESSARY. CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE REMOVED AND DISPOSED OF IN FIELD PRIOR TO BIDDING WORK AND PRIOR TO STARTING WORK.
6. CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO BIDDING WORK AND AGAIN PRIOR TO STARTING WORK. VERIFICATION SHALL BE DOCUMENTED AND DELIVERED TO OWNER'S AUTHORIZED REPRESENTATIVE.
7. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING WITHIN THE DRIPLINE OF EXISTING TREES. NO MECHANICAL TRENCHING WITHIN THE DRIPLINE OF THE EXISTING TREE WILL BE ALLOWED. AIR SPADE SHALL BE UTILIZED FOR ALL TRENCHING WITHIN THE DRIPLINE OF TREES. CONTRACTOR SHALL REFER TO ARBORIST REPORT FOR ADDITIONAL PRECAUTIONS REQUIRED FOR THE EXISTING TREES. CONTRACTOR SHALL VERIFY ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE.

IRRIGATION LAYOUT NOTE:

1. THE LAYOUT FOR THE NEW IRRIGATION CONSTRUCTION SHOWN ON THESE PLANS IS FOR BIDDING PURPOSES ONLY.
2. FINAL LAYOUT OF ALL NEW IRRIGATION HEADS SHALL BE CONDUCTED IN THE FIELD USING THE SPACING LISTED PER LEGEND AND USING THE LOCATION OF EXISTING ADJACENT HEADS TO REMAIN SO AS TO ACHIEVE STANDARD HEAD-TO-HEAD COVERAGE AND DISTRIBUTION UNIFORMITY.
3. ALL LAYOUT SHALL BE SUBJECT TO THE REVIEW AND APPROVAL BY CITY ENGINEER AND RAP STAFF.
4. CONTRACTOR SHALL BE REQUIRED TO INSTALL ALL REQUIRED NEW MAINLINE, VALVES, HEADS, LATERAL LINE, AND 2-WIRE DECODERS REQUIRED TO ACHIEVE FULL COVERAGE.

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GREEN BUILDING CODE NOTES

PROJECT ADDRESS:	1122 COLE AVENUE LOS ANGELES, CA 90038
TOTAL LANDSCAPE AREA:	7,045 S.F.
WATER SUPPLY:	POTABLE WATER
WATER PURVEYOR:	LOS ANGELES DEPARTMENT OF WATER AND POWER
WATER PRESSURE:	HIGH-128 PSI, LOW-94, ELEVATION-305 (POTABLE WATER)

IRRIGATION CONTROLLER AND IRRIGATION POINT OF CONNECTION IS NEW CONSTRUCTION.

FOR PROJECTS THAT INCLUDE LANDSCAPE WORK, FORM GRN 12 SHALL BE COMPLETED PRIOR TO FINAL INSPECTION APPROVAL.

SOILS TEST:	REFER TO GEOTECHNICAL REPORT AS PART OF THE ARCHITECTURAL PLAN CHECK SUBMITTAL. AN AGRICULTURAL SUITABILITY REPORT WILL BE FURNISHED TO THE PLANNING DEPARTMENT BY THE CONTRACTOR AS PART OF THE DEFERRED SUBMITTAL PACKAGE.
CERTIFICATION:	I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE. I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF THE WATER IN LANDSCAPE DESIGN PLANS

A DIAGRAM OF THE IRRIGATION PLAN SHOWING HYDROZONES SHALL BE KEPT WITH THE IRRIGATION CONTROLLER FOR SUBSEQUENT MANAGEMENT PURPOSES.

A CERTIFICATE OF COMPLETION SHALL BE FILLED OUT AND CERTIFIED BY EITHER THE DESIGNER OF THE LANDSCAPE PLANS, IRRIGATION PLANS, OR THE LICENSED LANDSCAPE CONTRACTOR FOR THE PROJECT.

AN IRRIGATION AUDIT REPORT SHALL BE COMPLETED AT THE TIME OF FINAL INSPECTION.

RECIRCULATING WATER SYSTEMS SHALL BE USED FOR WATER FEATURES.

A MINIMUM 3" LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT FOR TURF AREAS, CREEPING OR ROOTING GROUNDCOVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED.

FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.

PRESSURE REGULATING DEVICES ARE REQUIRED IF WATER PRESSURE IS BELOW OR EXCEEDS THE RECOMMENDED PRESSURE OF THE SPECIFIED IRRIGATION DEVICES.

CHECK VALVES OR ANTI-DRAIN VALVES ARE REQUIRED ON ALL SPRINKLER HEADS WHERE LOW POINT DRAINAGE COULD OCCUR.

WATER BUDGET CALCULATIONS

WATER EFFICIENT LANDSCAPE WORKSHEET

Landscape Area (LA)	
Regular	6,039
Special	2,487
TOTAL	**8,526**

Reference Evapotranspiration (ETo)	
Reference Site	Eto
Los Angeles	50.1

Conversion Factor (to Gallons/SF)
0.62

Evapotranspiration Adjustment Factor (ETAF)
0.45

Estimated Applied Water Use (EAWU):

REGULAR LANDSCAPE AREAS

Hydrozone No.	Hydrozone Description	Hydrozone Area (FT^2)	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF/IE)	(ETAF x Area)	Estimated Total Water Use (Gallons) (ETWU)
H-101	Shrubs Medium Water	249	0.5	Spray	0.75	0.67	166.00	5,156.29
H-102	Shrubs Low Water	5,365	0.3	Spray	0.75	0.40	2,146.00	66,659.05
H-104	Trees Low Water	275	0.3	Bubbler	0.81	0.37	101.85	3,163.72
H-105	Trees Medium Water	150	0.5	Bubbleer	0.81	0.62	92.59	2,876.11
	Total Area	**6,039**			**TOTALS**	**6039**	**2,506.44**	**77,855.18**

SPECIAL LANDSCAPE AREAS - IRRIGATED BY POTABLE WATER

Hydrozone No.	Hydrozone Description	Hydrozone Area (FT^2)	Plant Factor (PF)	Irrigation Method	Irrigation Efficiency (IE)	ETAF (PF/IE)	(ETAF x Area)	Estimated Total Water Use (ETWU)
H-103	Turf	2,487	0.7	Spray	0.75	0.93	2,321.20	72,101.11
	Total Area	**2,487**			**TOTALS**	**2,487**	**2,321.20**	**72,101.11**

ETAF Calculations	
Regular Landscape Areas	
Average ETAF	**0.42**
All Landscape Areas	
Sitewide ETAF	**0.57**

ESTIMATED TOTAL WATER USE (ETWU)	**149,956**	**GALLONS**
MAXIMUM ALLOW WATER ALLOWANCE (MAWA)	**161,664**	**GALLONS**

CRITICAL ANALYSIS

Generated:	2024-01-08 15:50
P.O.C. NUMBER: 01	
Water Source Information:	EXISTING WATER METER AND BACKFLOW. PER LADWP
FLOW AVAILABLE	
Point of Connection Size:	2"
Flow Available	70.55 GPM
PRESSURE AVAILABLE	
Static Pressure at POC:	94 PSI
Pressure Available:	94 PSI
DESIGN ANALYSIS	
Maximum Station Flow:	32.56 GPM
Flow Available at POC:	70.55 GPM
Residual Flow Available:	37.99 GPM
Critical Station:	2
Design Pressure:	50 PSI
Friction Loss:	0.31 PSI
Fittings Loss:	0.03 PSI
Elevation Loss:	0 PSI
Loss through Valve:	0.2 PSI
Pressure Req. at Critical Station:	50.5 PSI
Loss for Fittings:	0.0 PSI
Loss for Main Line:	0.04 PSI
Loss for POC to Valve Elevation:	0 PSI
Loss for Backflow:	0 PSI
Loss for Master Valve:	0.53 PSI
Critical Station Pressure at POC:	51.1 PSI
Pressure Available:	94 PSI
Residual Pressure Available:	42.9 PSI

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INDEX NO. RP-300126

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JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
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CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: IRRIGATION NOTES & CALCULATIONS
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

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IRRIGATION SCHEDULE HRC

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	DETAIL
Q T H TQ F	RAIN BIRD 1806-SAM-PRS 15 SERIES MPR TURF SPRAY 6.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING.	6	30	5/L703
4 6 8 10 12 15 18	RAIN BIRD 1806-SAM-PRS ADJ TURF SPRAY 6.0IN. POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. 1/2IN. NPT FEMALE THREADED INLET. WITH SEAL-A-MATIC CHECK VALVE, AND PRESSURE REGULATING.	13	30	5/L703
EST LCS RCS CST SST	RAIN BIRD RD-06-S-P30-F 15 STRIP SERIES SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	2	30	5/L703
Q H F	RAIN BIRD RD-06-S-P30-F 5 SERIES MPR SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	3	30	5/L703
Q T H F	RAIN BIRD RD-06-S-P30-F 8 SERIES MPR SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	26	30	5/L703
Q T H TQ F	RAIN BIRD RD-06-S-P30-F 10 SERIES MPR SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	30	30	5/L703
Q T H TQ F	RAIN BIRD RD-06-S-P30-F 12 SERIES MPR SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	10	30	5/L703
Q T H TQ F	RAIN BIRD RD-06-S-P30-F 15 SERIES MPR SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	5	30	5/L703
4 6 8 10 12 15 18	RAIN BIRD RD-06-S-P30-F ADJ SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	111	30	5/L703
EST LCS RCS CST SST	RAIN BIRD RD-06-S-P30-F 15 STRIP SERIES SHRUB SPRAY, 6IN. POP-UP, WITH 30 PSI IN-STEM PRESSURE REGULATION, SEAL-A-MATIC CHECK VALVE, AND FLOW-SHIELD TECHNOLOGY. 1/2IN. NPT FEMALE THREADED INLET.	27	30	5/L703
1401 1402	RAIN BIRD RWS-M-B-C-SOCK 1401 MINI ROOT WATERING SYSTEM WITH 4" DIAMETER X 18" LONG WITH LOCKING GRATE. LOCATE (1) CENTERED ON EACH SIDE OF THE ROOTBALL WITHIN 12" MINIMUM FROM EDGE OF ROOTBALL.	34	50	4/L703

IRRIGATION SCHEDULE HRC

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	RAIN BIRD IVM-EFB-CP PRESSURE REGULATING CONTROL VALVE WITH IVM TWO-WIRE SOLENOID/DECODER. INCLUDE PRS DIAL VALVE PRESSURE REGUALTOR. REFER TO PLAN FPR SIZE.	14	3/L703
	RAIN BIRD 44-LRC 1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING THERMOPLASTIC RUBBER COVER, AND 2-PIECE BODY.	6	6/L703
	NIBCO P-619-RW 2" TO 12" CAST IRON GATE VALVE, SAME SIZE AS MAINLINE PIPE WHERE LOCATED. RESILIENT WEDGE NON-RISING STEM FLOW CONTROL WITH IPS PUSH-ON ENDS.	3	9/L703
MV	SUPERIOR 3100-PRS 2" NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION. AVAILABLE IN 3/4IN., 1IN., 1-1/4IN., 1-1/2IN., 2IN., 2-1/2IN., AND 3IN.. PRESSURE REGULATION FEATURE.	1	1/L703
	WILKINS 600XL PRESSURE REDUCING VALVE PRESSURE REQUIRED DOWNSTREAM IS 58.9 PSI	1	2/L703
C	RAIN BIRD ESP-LXIVM INSTALL PER MANUFACTURERS RECOMMENDATIONS. SEE CONTROLLER NOTES.	1	7/L703
IQ	RAIN BIRD IQ-CM-LXD CONNECTION MODULE PROVIDES IQNET HIGH-SPEED DATA CABLE CONNECTIONS FOR ESP-LXD/ESP-LXIVM CONTROLLER. INSTALLS IN ESP-LXD/ESP-LXIVM ZERO MODULE SLOT.	1	
RS	RAIN BIRD RSD-CEX RAIN SENSING DEVICE, CONDUIT MOUNT. WITH THREADED ADAPTER, EXTENSION WIRE.	1	4/L705
FS	RAIN BIRD UFS-200 FLOW SENSOR. INCLUDED WITH CONTROLLER ASSEMBLY. INCLUDE TWO-WIRE SENSOR DECODER. REFER TO CONTROLLER NOTE.	1	1/L703
SP	TWO-WIRE LINE SURGE PROTECTION RAIN BIRD LXIVMSD TWO-WIRE LINE SURGE PROTECTION. INCLUDE GROUND ROD/PLATE PER INSTALLATION DETAIL. REFER TO DETAIL FOR LOCATION AND SPACING.	3	6/L704
POC THT	POINT OF CONNECTION 2" EXISTING WATER METER AND BACKFLOW. PER LADWP 8/27/21	1	
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40	2,595 L.F.	10/L703
	IRRIGATION MAINLINE: PVC CLASS 315 SDR 13.5	553.0 L.F.	10/L703
	PIPE SLEEVE: PVC SCHEDULE 40	175.7 L.F.	10/L703

Valve Callout
Valve Number
Valve Flow
Valve Size

IRRIGATION CONTROLLER NOTES

CONTRACTOR SHALL PURCHASE AND INSTALL THE FOLLOWING CONTROLLER AS NOTED BELOW:

CONTROLLER MANUFACTURER:	RAIN BIRD
CONTROLLER MODEL:	ESP-LXIVM
WIRE TYPE:	TWO-WIRE
ASSEMBLY TYPE:	TOP MOUNT ENCLOSURE
SERVICE WARRANTY:	5 YEAR(S)
RAIN SENSOR:	YES, SEE SCHEDULE FOR TYPE.
FLOW SENSOR MANUFACTURER:	RAIN BIRD
FLOW SENSOR SIZE AND TYPE:	2" PLASTIC

CONTROLLER 'A' SITEONE GREENTECH MODEL NUMBER:

CA6-RB06-240/GR-K/NCCGP-5/LPP/RSE/UFS-200

THE IRRIGATION CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTION TO CONTROLLER PER LOCAL ELECTRICAL CODE. SPECIFY WITH COMMUNICATIONS MODULE, AND CONTRACTOR SHALL PURCHASE 5-YEARS COMMUNICATION SERVICE FOR REMOTE ACCESS.

CONTACT JUSTIN SMITH FOR ORDER INFORMATION (747) 900-3696

IRRIGATION VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	PSI	PSI @ POC	PRECIP
1	RAIN BIRD EFB-CP-PRS-D	1-1/2"	SHRUB SPRAY	23.28	154.2	35.7	37.4	2.66 in/h
2	RAIN BIRD EFB-CP-PRS-D	1-1/2"	BUBBLER	4	150.6	52.6	53.2	0.88 in/h
3	RAIN BIRD EFB-CP-PRS-D	1-1/2"	SHRUB SPRAY	10.55	99.1	34.4	35.3	4.47 in/h
4	RAIN BIRD EFB-CP-PRS-D	1-1/2"	BUBBLER	1.5	103.1	52.3	52.9	0.97 in/h
5	RAIN BIRD EFB-CP-PRS-D	1-1/2"	TURF SPRAY	31.51	107.1	37.5	40.8	2.6 in/h
6	RAIN BIRD EFB-CP-PRS-D	1-1/2"	SHRUB SPRAY	19.81	117.7	35.6	37.4	2.33 in/h
7	RAIN BIRD EFB-CP-PRS-D	1-1/2"	SHRUB SPRAY	26.36	329.6	34.6	37.0	2.77 in/h
8	RAIN BIRD EFB-CP-PRS-D	1-1/2"	BUBBLER	1.5	333.9	52.4	52.9	0.93 in/h
9	RAIN BIRD EFB-CP-PRS-D	1-1/2"	BUBBLER	0.5	340.5	52.3	52.9	0.94 in/h
10	RAIN BIRD EFB-CP-PRS-D	1-1/2"	SHRUB SPRAY	21.95	345.7	34.7	36.7	2.3 in/h
11	RAIN BIRD EFB-CP-PRS-D	1-1/2"	SHRUB SPRAY	32.56	349.4	37.5	40.9	2.89 in/h
12	RAIN BIRD EFB-CP-PRS-D	1-1/2"	SHRUB SPRAY	13.13	359.9	32.9	34.0	4.03 in/h
13	RAIN BIRD EFB-CP-PRS-D	1-1/2"	SHRUB SPRAY	21.33	449.8	33.9	36.2	1.93 in/h
14	RAIN BIRD EFB-CP-PRS-D	1-1/2"	BUBBLER	1	452.9	52.3	52.9	0.88 in/h
	Common Wire				553.0			

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INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT JAN DYER 5623 11-30-24 3/20/2024 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:
LIC. NO.: C12115

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: IRRIGATION SCHEDULE

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L700B
SHEET # OF SHEETS

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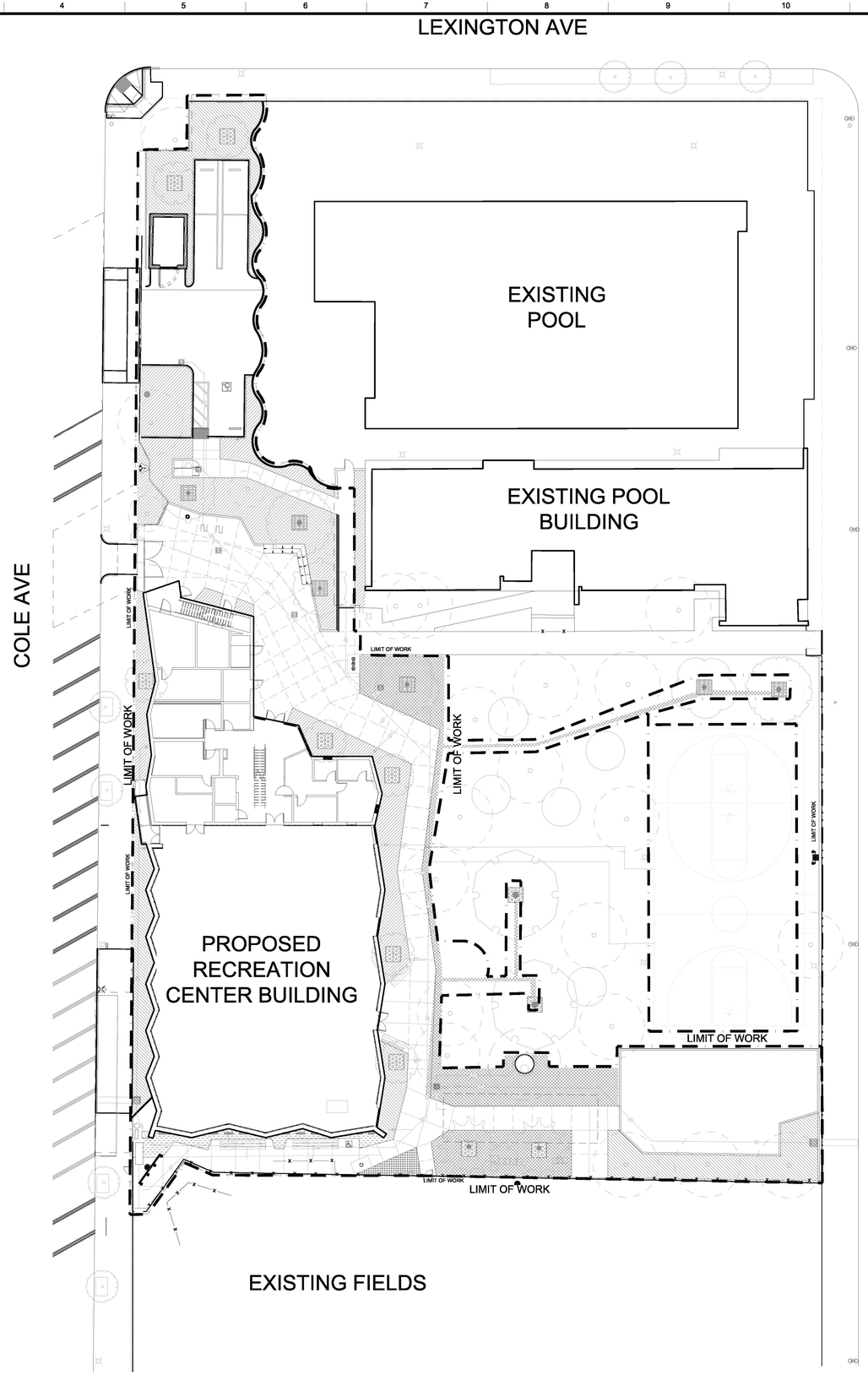

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HYDROZONE SCHEDULE HRC

SYMBOL	DESCRIPTION	QTY	PLANT FACTOR	IRRIGATION TYPE	IRRIGATION EFFICIENCY	WATER USE
H-101	H-1 SHRUBS MEDIUM WATER	249 SF	0.5	SPRAY	.75	MODERATE
H-102	H-2 SHRUBS LOW WATER	5,365 SF	0.3	SPRAY	.75	LOW
H-103	H-3 TURF	2,487 SF	0.7	SPRAY	.75	MODERATE
H-104	H-4 TREES LOW WATER	275 SF	0.3	BUBBLER	0.81	LOW
H-105	H-5 TREES MEDIUM WATER	150 SF	0.5	BUBBLER	0.81	MODERATE

N

0 10 20 40
1" = 20'

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INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
LIC. NO.: C12115

ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: HYDROZONE PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
L700D

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WATER LINES AND EQUIPMENT GARAPHICALLY SHOWN IN PAVING ARE DIAGRAMATIC AND FOR DESIGN CLARITY/LEGIBILITY ONLY. ALL IRRIGATION PIPING AND EQUIPMENT ARE TO BE INSTALLED IN NEAREST PLANTING AREAS WHERE POSSIBLE UNLESS OTHERWISE SPECIFIED.

EXISTING POOL

EXISTING POOL BUILDING

CAHUENGA BLVD

LIMIT OF WORK

LIMIT OF WORK

MATCHLINE SEE - SHEET L702

14 1 1½" 13 21.3 1½"

12 13.1 1½"

11 32.6 1½"

10 21.9 1½"

9 0.5 1½"

8 1.5 1½"

7 26.4 1½"

SP

N

0 5 10 20
1" = 10'

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JAN DYER
5623
11-30-24
5/30/2024
STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION — DATE:

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: IRRIGATION PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L701
SHEET O F SHEETS

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SHEET ISSUE DATE:
FILE PATH:

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MATCHLINE SEE - SHEET L701

LIMIT OF WORK

CONTRACTOR TO PROTECT IN PLACE EXISTING WATER METER AND BACKFLOW DEVICES. NEW IRRIGATION SYSTEM TO TIE INTO EXISTING IRRIGATION SYSTEM DIRECTLY DOWNSTREAM OF EXISTING RP BACKFLOW DEVICE(S).

EXISTING CONCRETE PADS TO REMAIN.

CONTRACTOR SHALL ADJUST EXISTING IRRIGATION TO PREVENT OVER SPRAY ONTO HARDSCAPE. ADJUST IRRIGATION TO ACCOMMODATE NEW/REPLANTED PLANT MATERIAL. RELOCATE EXISTING HEADS AND FURNISH AND INSTALL NEW HEADS WHERE NECESSARY TO ACHIEVE 100% HEAD TO HEAD COVERAGE. REPLACE EXISTING AND DAMAGED IRRIGATION EQUIPMENT WHERE DISTURBED BY CONSTRUCTION. TYP.

BUILDING. REFER TO ARCHITECTURE DRAWINGS

WATER LINES AND EQUIPMENT GARAPHICALLY SHOWN IN PAVING ARE DIAGRAMATIC AND FOR DESIGN CLARITY/LEGIBILITY ONLY. ALL IRRIGATION PIPING AND EQUIPMENT ARE TO BE INSTALLED IN NEAREST PLANTING AREAS WHERE POSSIBLE UNLESS OTHERWIASE SPECIFIED.

NEW IRRIGATION CONTROLLER 'A'

EXISTING IRRIGATION CONTROLLER, PROTECT IN PLACE

LIMIT OF WORK

COLE AVE

CAHUENGA BLVD

EXISTING FIELDS

NOTE:
CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING IRRIGATION SYSTEM COMPONENTS (PIPING, CONTROL WIRING, VALVES, HEADS, ETC.) FOR THIS FACILITY THAT OPERATES, SERVES AND IRRIGATES AREAS OUTSIDE THE PROJECT LIMIT OF WORK. ANY EXISTING MAINLINE PIPING & CONTROL WIRE THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE CUT AND CAPPED AT THE EDGE OF WORK (IF IT WILL NO LONGER SERVE ACTIVE IRRIGATION), OR RE-ROUTED AROUND NEW WORK (IF IT IS REQUIRED TO REMAIN IN SERVICE FOR EXISTING IRRIGATION TO REMAIN) BY THE CONTRACTOR AS A PART OF THIS PROJECT AT NO ADDITIONAL COST TO THE CITY. EXISTING IRRIGATION VALVES TO BE ABANDONED SHALL BE REMOVED AND HANDED OVER TO RAP STAFF. ALL IRRIGATION PIPE IN ABANDONED AREAS MAY BE LEFT IN PLACE, OR REMOVED WHERE NECESSARY FOR NEW CONSTRUCTION. AT COMPLETION OF NEW CONSTRUCTION, CONTRACTOR SHALL COORDINATE WITH RAP STAFF TO INSPECT AND VERIFY THAT THE EXISTING IRRIGATION SYSTEM IS FULLY FUNCTIONAL.

N

0 5 10 20
1" = 10'

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INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
5/30/2024
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DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: IRRIGATION PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
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WORK ORDER NO.
E1908203

PLAN FILE NO.

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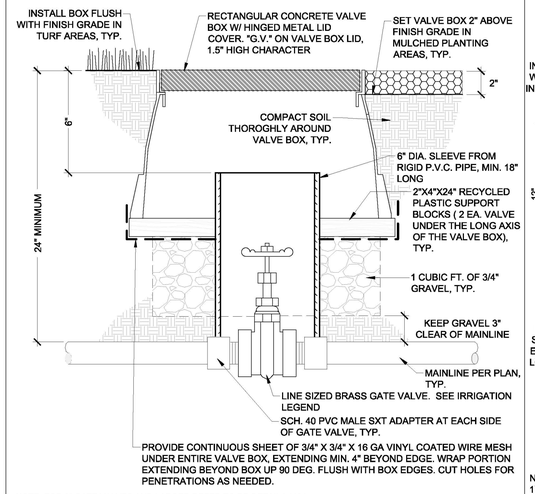
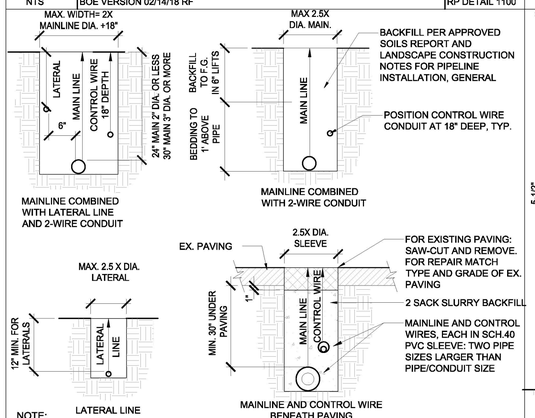


NOTE: FOR 3" GATE VALVES AND LARGER REFER TO RP DETAIL L1101

9 GATE VALVE INSTALLATIION, 3/4" TO 2"

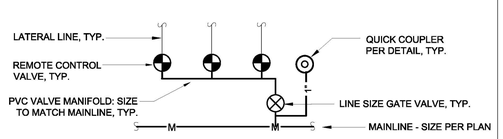
NTS | BOE VERSION 02/14/18 RF | RP DETAIL 1100



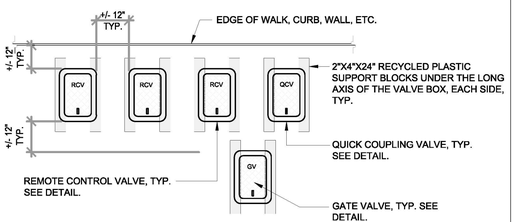
NOTE:
1. PIPE AND CONTROL WIRE CROSSING UNDER PAVING OR WALKWAY OVER 8' WIDE SHALL BE SLEEVED AS INDICATED ABOVE.
2. PIPE BEDDING AND BACKFILL SHALL BE PER APPROVED SOILS REPORT AND LANDSCAPE CONSTRUCTION NOTES, PIPELINE INSTALLATION GENERAL.

10 IRRIGATION TRENCHING DETAIL - 2 WIRE

NTS | BOE VERSION 02/08/18 | RP DETAIL 1350



MANIFOLD GROUP SCHEMATIC

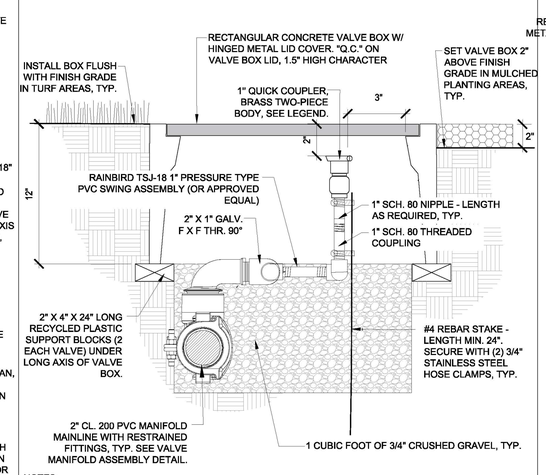


NOTES:
1. ALL VALVES SHALL BE INSTALLED IN A MANIFOLD GROUP SIMILAR TO THAT SHOWN IN ABOVE SCHEMATIC. SEE PLANS FOR NUMBER OF RCV/QCV FOR EACH MANIFOLD, TYP.
2. ALL BOXES SHALL BE SQUARE TO ONE ANOTHER AND TO THE EDGES OF ADJACENT FIXED OBJECTS WHERE PRESENT.

RP VERSION 2-13-18 RWF

11 VALVE BOX PLACEMENT

NTS | BOE VERSION FEB/18 | RP DETAIL 1410

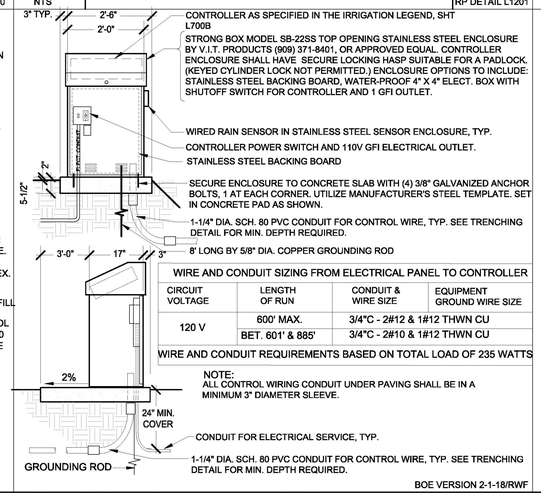


NOTES:
1) SEE RELATED DETAIL FOR MANIFOLD PIPE & FITTINGS.

VERSION 05/16/17 RWF/gm

6 QUICK COUPLING VALVE INSTALLATION DETAIL

NTS | RP DETAIL L1201



WIRE AND CONDUIT SIZING FROM ELECTRICAL PANEL TO CONTROLLER

CIRCUIT VOLTAGE	LENGTH OF RUN	CONDUIT & WIRE SIZE	EQUIPMENT GROUND WIRE SIZE
120 V	600' MAX.	3/4"C - 2#12 & 1#12 THWN CU	
	BET. 601' & 885'	3/4"C - 2#10 & 1#12 THWN CU	

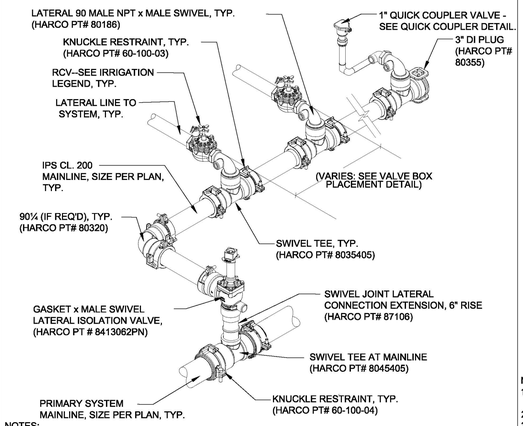
WIRE AND CONDUIT REQUIREMENTS BASED ON TOTAL LOAD OF 235 WATTS

NOTE:
ALL CONTROL WIRING CONDUIT UNDER PAVING SHALL BE IN A MINIMUM 3" DIAMETER SLEEVE.

BOE VERSION 2-1-18/RWF

7 CONTROLLER AND ENCLOSURE

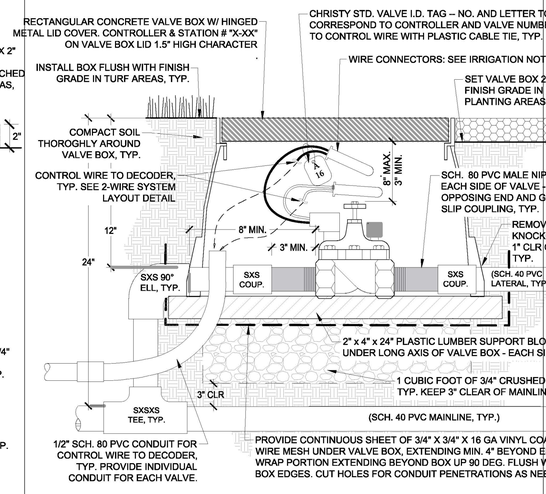
NTS | BOE VERSION JAN/07 | RP DETAIL 1472



NOTES:
1.) ALL FITTINGS AND RESTRAINTS ARE AS AS MANUFACTURED BY HARCO FITTINGS (www.harcofittings.com) OR APPROVED EQUAL. INSTALL ALL FITTINGS AND RESTRAINTS PER MANUFACTURER'S INSTRUCTIONS.
2.) SEE VALVE BOX PLACEMENT, RCV INSTALLATION, AND QUICK COUPLER INSTALLATION DETAILS FOR ADDITIONAL INFORMATION.

8 VALVE MANIFOLD ASSEMBLY

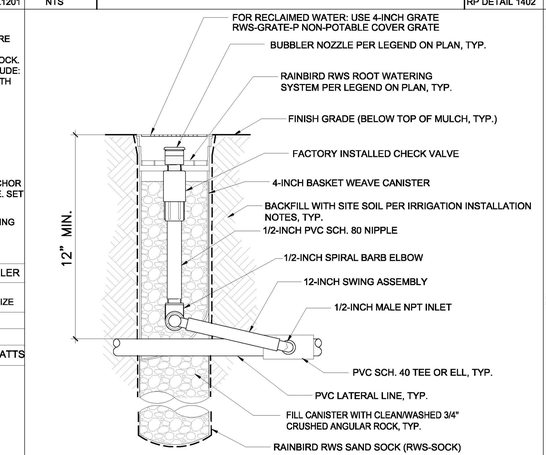
1" = 1" | P-HRC2019-07



NOTES: 1. SEE APPLICABLE DETAILS FOR 2-WIRE DECODER AND CABLE INSTALLATION 1/15/20 RWF

3 RCV INSTALLATION DETAIL, 2-WIRE SYSTEM

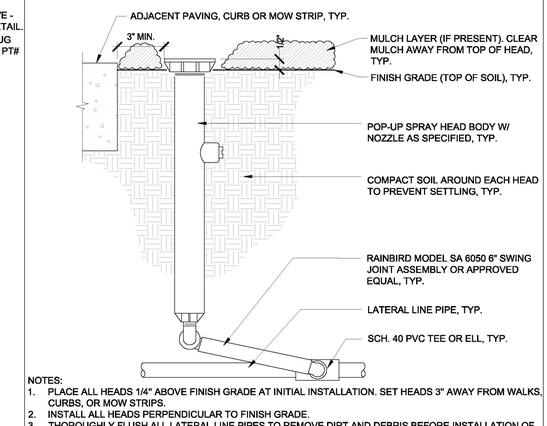
NTS | RP DETAIL 1402



NOTE: ALWAYS LOCATE RWS CANISTERS WITHIN 12" OR LESS FROM EDGE OF TREE ROOTBALL.

4 ROOT WATERING SYSTEM BUBBLER ASSEMBLY

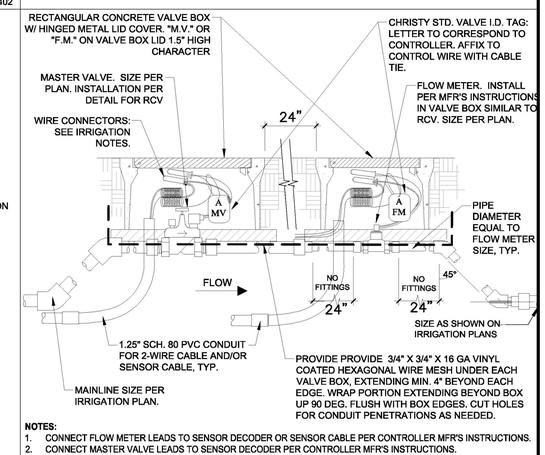
NTS | BOE VERSION Sep/07 - RF | RP DETAIL L1660



NOTES:
1. PLACE ALL HEADS 1/4" ABOVE FINISH GRADE AT INITIAL INSTALLATION. SET HEADS 3" AWAY FROM WALKS, CURBS, OR MOW STRIPS.
2. INSTALL ALL HEADS PERPENDICULAR TO FINISH GRADE.
3. THOROUGHLY FLUSH ALL LATERAL LINE PIPES TO REMOVE DIRT AND DEBRIS BEFORE INSTALLATION OF NOZZLES.
4. ADJUST ALL HEADS TO PROPER ARC AND RADIUS AS NECESSARY TO ACHIEVE PROPER COVERAGE AND UNIFORMITY. IF PROPER COVERAGE AND UNIFORMITY IS NOT ACHIEVED WITH THE SPECIFIED NOZZLE, CONTRACTOR SHALL CHANGE NOZZLE AS NEEDED UNTIL DESIRED PERFORMANCE IS ACHIEVED.

5 POP-UP SPRAY HEAD INSTALLATION

NTS | REVISED: 06/09/20 RWF | RP DETAIL 1622



NOTES:
1. CONNECT FLOW METER LEADS TO SENSOR DECODER OR SENSOR CABLE PER CONTROLLER MFR'S INSTRUCTIONS.
2. CONNECT MASTER VALVE LEADS TO SENSOR DECODER PER CONTROLLER MFR'S INSTRUCTIONS.
3. ALL WIRE CONNECTIONS SHALL BE MADE WITH A WIRE CONNECTOR PER IRRIGATION NOTES.

1 FLOW METER AND MASTER VALVE, 2-WIRE SYSTEM

NTS | RP DETAIL L1512

SPECIFICATIONS

MODEL 500
THE REGULATOR SHALL HAVE A CAST BRONZE BODY AND BELL HOUSING. THE VALVE SHALL BE DIRECT ACTING AND DIAPHRAGM ACTUATED. THE STEM SHALL BE BRASS (1/2"-1 1/4") OR CAST BRONZE (1 1/2"-3"). THE SEAT SHALL BE STAINLESS STEEL. THE ASSEMBLY SHALL INCLUDE AN INTEGRAL BY-PASS CHECK VALVE. THE WATER PRESSURE REDUCING VALVE SHALL BE A MODEL 500 AS MANUFACTURED BY ZURN INDUSTRIES, INC. - WILKINS OPERATION.

MATERIALS

- CAST BRONZE BODY & BELL HOUSING-ASTM B584
- STAINLESS STEEL STRAINER SCREEN AND SEAT
- BRASS STEM-ASTM B 16 OR B 584
- EPDM SEAL RING
- BUNA NITRILE DIAPHRAGM

PROPERTIES

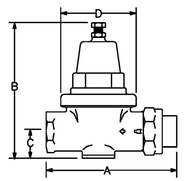
- PRESSURE RATED TO 300 PSI
- TEMPERATURE RATED FROM 33° F TO 180° F

STANDARDS COMPLIANCE

- ASSE Ⓡ 1003 LISTED
- IAPMO Ⓤ LISTED

DIMENSIONS & WEIGHTS

SIZE	CONNECTIONS	DIMENSIONS (inches) A	B	C	D	WEIGHT (lbs.)
1/2"	SINGLE UNION	4.53	6.00	1.66	2.72	5.0
3/4"	SINGLE UNION	4.67	6.00	1.10	2.72	7.0
1"	SINGLE UNION	5.12	6.80	1.63	3.33	10.0
1 1/4"	SINGLE UNION	6.30	7.25	1.75	3.92	12.0
1 1/2"	SINGLE UNION	8.33	10.00	1.88	5.00	19.0
2"	SINGLE UNION	9.45	10.75	2.13	6.50	28.0
2 1/2"	LESS UNION	10.00	14.50	3.00	8.00	43.0
3"	LESS UNION	11.13	16.00	3.50	8.00	62.0



2 PRESSURE REGULATOR

N.T.S. | DETAIL-FILE

STUDIO-MLA
251 South Mission Road
Los Angeles, California 90033
T. 213 384 3844 studio-mla.com

BUREAU OF ENGINEERING — OFFICIAL RECORD

ENGINEERING — CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT — JAN DYER — 5623 — REN. 11-30-24 — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP — DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA — LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: IRRIGATION DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L703
SHEET O F SHEETS

PLOTTED:8/18/2021 2:54:15 PM

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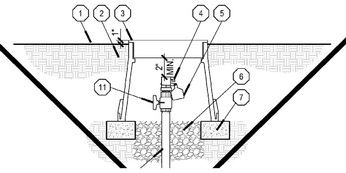
TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE:
FILE PATH:
REVISION DATES (DESIGN STAGE ONLY)

OMIT

ALL THREADED CONNECTIONS TO USE NON-HARDENING THREAD SEALANT

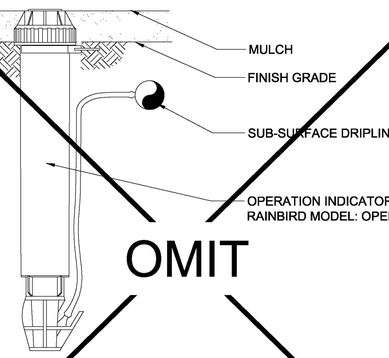


1	FINISH GRADE	7	BRICK SUPPORTS - TWO REQUIRED
2	SUBGRADE	8	PRESSURE MAINLINE PIPE
3	ROUND VALVE BOX WITH VALVE BOX EXTENSIONS AS REQUIRED - LABEL PER BRANDING DETAIL	9	SLIP TEE OR ELL - PRESSURE MAINLINE FITTING WITH BUSHING TO ADAPT TEE TO INLET SIZE OF AIR RELIEF
4	AIR / VACUUM RELIEF VALVE - REFER TO LEGEND	10	PVC SCHEDULE 80 PVC T&C NIPPLE - LENGTH AS REQUIRED
5	WATER IDENTIFICATION TAG - REFER TO LEGEND FOR COLOR AND TYPE	11	SCHEDULE 80 PVC TxT FULL PORT BALL VALVE
6	3/4" CRUSHED GRAVEL - 6" DEPTH		

AIR RELIEF VALVE — NO SCALE

5 AIR RELIEF VALVE

NTS — P-HRC2019-328406-02

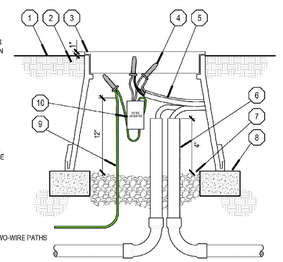


NOTE:
1. USE XERIMAN TOOL XM-TOOL TO INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.
2. VAN NOZZLE MAY BE SET TO CLOSED, OR IF IT IS DESIRED TO SEE SPRAY FROM THE NOZZLE, SET THE ARC TO ¼ PATTERN. THE FLOW FROM THE NOZZLE, 0.3 GPM, SHOULD BE ACCOUNTED FOR IN THE SYSTEM DESIGN.

2 SUB-SURFACE DRIPLINE OPERATION INDICATOR

N.T.S. — P-HRC2019-1

NOTE:
- CONTROLLERS TO BE GROUNDED PER LOCAL ELECTRICAL CODE
- INSTALLATION OF A GROUND ROD TO BE AUTHORIZED BY THE OWNER IN WRITING PRIOR TO INSTALLATION
- ALL GROUND RODS TO BE INSTALLED BY LICENSED ELECTRICIAN
- GROUND PLATES ARE AN ALLOWABLE SUBSTITUTION FOR GROUND RODS
- CONSULT DIG ALERT OR UNDERGROUND SERVICE ALERT (811) PRIOR TO INSTALLATION
- EARTH RESISTANCE SHALL BE MEASURED AND RECORDED AFTER INSTALLATION WITHIN ACCORDANCE WITH THE LATEST REQUIREMENTS OF NFPA 780. READINGS TO BE BETWEEN 5 - 10 OHMS



LOCATE SURGE ARRESTORS:
- AT CONTROLLER LOCATION
- 500' MAXIMUM SPACING ALONG TWO-WIRE PATHS
- AT EVERY 15TH DEVICE
- AT END OF ALL TWO-WIRE PATHS

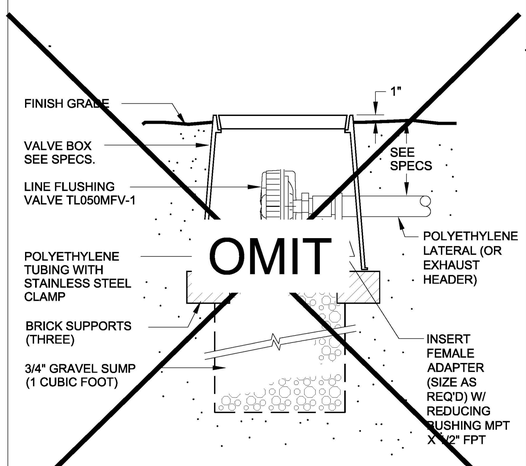
NOTE: CONTRACTOR TO INSTALL PER MANUFACTURER'S SPECIFICATIONS. MINIMUM QUANTITY SHOWN ON PLANS, CONTRACTOR TO INSTALL ADDITIONAL ARRESTORS/GROUNDING AS NEEDED, AT NO ADDITIONAL COST TO OWNER, TO MEET MANUFACTURER AND DISTRIBUTOR'S SPECIFICATIONS.

1	FINISH GRADE	6	1-1/4" TWO-WIRE CABLE CONDUIT WITH SWEEPS IN AND OUT OF EACH VALVE BOX
2	SUBGRADE	7	3/4" CRUSHED GRAVEL - 6" DEPTH
3	BLACK ROUND VALVE BOX - LABEL PER BRANDING DETAIL	8	BRICK SUPPORTS - TWO REQUIRED
4	WATERPROOF WIRE CONNECTORS - REFER TO LEGEND	9	#6 AWG SOLID BARE COPPER GROUND WIRE TO GROUNDING DEVICE - REFER TO GROUNDING DETAIL
5	TWO-WIRE CABLE WITH 24" MINIMUM EXPANSION LOOP	10	SURGE ARRESTOR - REFER TO LEGEND

TWO-WIRE SURGE ARRESTOR — NO SCALE

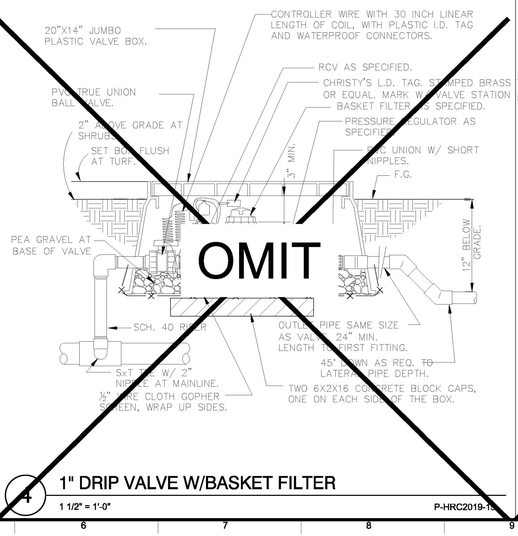
6 TWO-WIRE SURGE ARRESTOR

NTS — P-HRC2019-328409-01



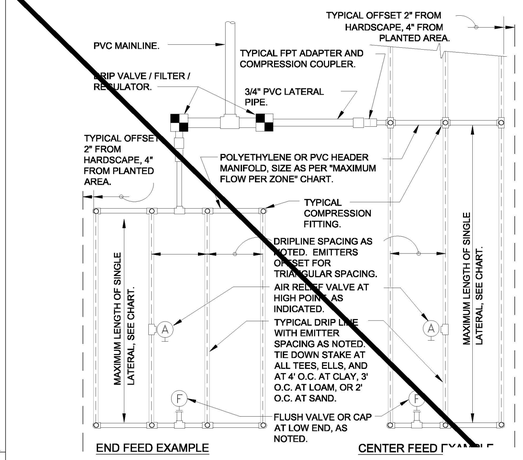
3 NETAFIM FLUSH VALVE

N.T.S. — P-HRC2019-5



4 1" DRIP VALVE W/BASKET FILTER

1 1/2" = 1'-0" — P-HRC2019-15



MAXIMUM LATERAL LENGTH (FEET)						
	EMITTER FLOW RATE GPH					
PSI	12" SPACING 0.6	0.9	18" SPACING 0.6	0.9	24" SPACING 0.6	0.9
10	125	96	175	135	218	171
20	249	191	350	171	442	340
30	307	236	434	333	550	422
40	350	268	495	380	627	171
50	125	96	175	135	218	171
60	125	96	175	135	218	171

GRID PRECIPITATION RATES (IN/HR)			
EMITTER SPACING	LATERAL SPACING	EMITTER FLOW RATE 0.6	0.9
12	12	0.96	1.44
18	18	0.69	1.03
24	24	0.28	0.41

MAXIMUM FLOW PER ZONE		
MAX GPM	PSI LOSS	
SCHEDULE 40 PVC HEADER SIZE		
1/2"	4.7 GPM	7.7 PSI
3/4"	8.3 GPM	5.6 PSI
1"	13.5 GPM	4.2 PSI
1-1/2"	33.9 GPM	2.9 PSI
2"	52.4 GPM	1.9 PSI

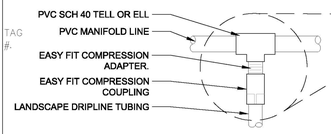
LATERAL FLOW PER 100 FT (GPM)			
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING
0.6 GPH	1.0 GPM	0.7 GPM	0.5 GPM
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM

POLY PIPE HEADER SIZE		
1/2"	4.7 GPM	8.8 PSI
3/4"	8.3 GPM	6.3 PSI
1"	13.5 GPM	4.8 PSI
1-1/2"	33.9 GPM	2.9 PSI
2"	52.4 GPM	2.2 PSI

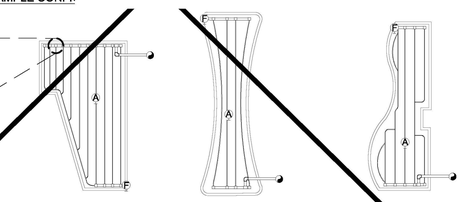
SLOPED CONDITION NOTE:

1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPAVING WITHIN THE TOP 2/3 OF SLOPE.
   TALL DRIPLINE AT 25% GREATER SPACING AT BOTTOM 1/3 OF SLOPE.
   EN ELEVATION CHANGE IS 10 FT OF MORE, ZONE BOTTOM 1/3 OF SLOPE ON SEPARATE VALVE.

MANIFOLD/DRIPLINE CONNECTION

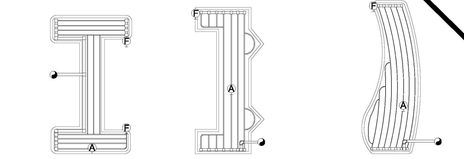


EXAMPLE CONFI(



LEGEND

- WATER SOURCE: DRIP VALVE OR LATERAL FROM VALVE
- LANDSCAPE DRIPLINE TUBING
- PVC MANIFOLD LINE WITH PVC TEE
- F — FLUSH VALVE
- A — AIR RELIEF VALVE, INSTALL AT HIGH POINT OF SYSTEM



1 DRIPLINE AREA

N.T.S. — P-HRC2019-12

STUDIO-MLA
251 South Mission Road
Los Angeles, California 90033
T. 213 384 3844 studio-mla.com

BUREAU OF ENGINEERING — OFFICIAL RECORD

LICENSED LANDSCAPE ARCHITECT — JAN DYER — 5623 — 11-30-24 — 3/20/2024 — STATE OF CALIFORNIA

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP — DATE:

ARCHITECT: MICHAEL B. LEHRER, FAIA — LIC. NO.: C12115
ARCHITECTURAL DIVISION

DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: IRRIGATION DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L704
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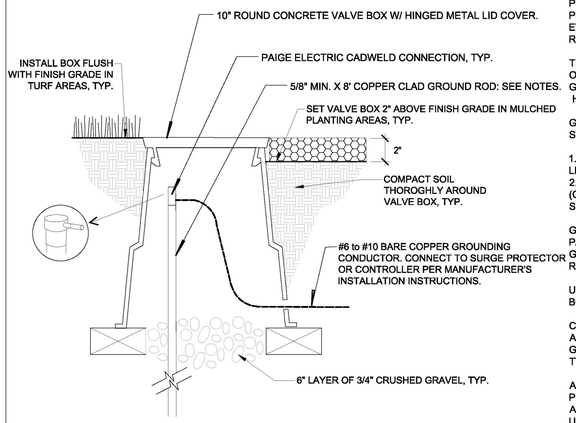


2 2-WIRE SYSTEM GROUNDING ROD

1" = 1"

P-HRC2019-29

TWO-WIRE SYSTEM GROUNDING REQUIREMENTS:

SURGE PROTECTION USING PROPER GROUNDING RODS AND RAINBIRD LINE SURGE PROTECTION, LSP-1 (WHERE IT IS NOT ALREADY BUILT INTO THE DECODER) IS REQUIRED FOR PROTECTION AGAINST SURGE DAMAGE DUE TO LIGHTNING OR OTHER ELECTRICAL SURGE EVENTS. CONFORMANCE TO THIS SURGE SUPPRESSION SPECIFICATION IS NECESSARY TO RETAIN WARRANTY PROTECTION UNDER RAINBIRD WARRANTY TERMS.

THE INSTALLATION SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS, AND MUST MEET OR EXCEED THE AMERICAN SOCIETY OF IRRIGATION CONSULTANTS (ASIC) EARTH GROUNDING GUIDELINE 100-2002.
HTTP://WWW.ASIC.ORG/UPLOADS/ASSETS/011007_121320_ASIC_GROUNDING_GUIDELINES.DOC

GROUND RODS AS REFERRED TO IN THIS SPECIFICATION SHALL CONFORM TO THE FOLLOWING STANDARDS:

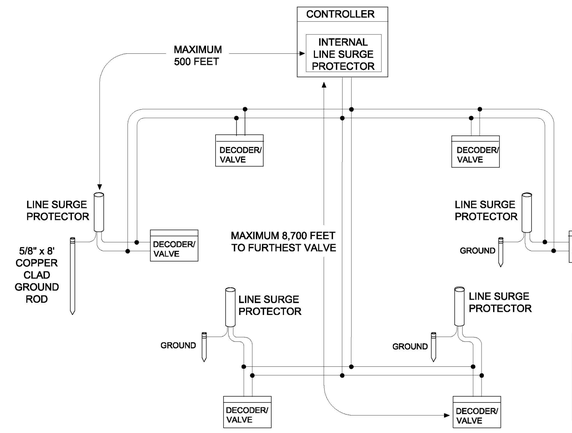
1.) ALL GROUNDING RODS SHALL BE BARE COPPER OF 5/8" DIAMETER OR GREATER, AND 8' LENGTH OR GREATER.
2.) A MEASURED RESISTANCE READING OF LESS THAN 10 OHMS IS NECESSARY AT EACH LSP-1 (OR DECODER WHERE SURGE PROTECTION IS BUILT INTO THE DECODER). ASIC SPEC: SECTION 7.0 - MEASURING RESISTANCE, ITEM A.

GROUND RODS SHALL BE LOCATED AT A MINIMUM DISTANCE TO ASSURE THAT THE TWO-WIRE PATH IS OUTSIDE OF THE ELECTRODE SPHERE OF INFLUENCE FOR THE GROUNDING ROD: THE GROUND ROD MUST BE CONNECTED AT LEAST 8' AWAY FROM THE TWO-WIRE PATH, AT A RIGHT ANGLE TO THE TWO-WIRE PATH.

UNDER NO CIRCUMSTANCES SHOULD A GROUND ROD BE INSTALLED IN OR UNDER A VALVE BOX, METER BOX OR ELECTRICAL BOX.

CONNECTIONS TO GROUNDING RODS
ALL CONNECTIONS TO GROUND RODS SHALL CONFORM TO ASIC EARTH GROUNDING GUIDELINE 100-2002, AND SHALL CONSIST OF EITHER A CADWELD TYPE OR SCREW CLAMP TYPE OF CONNECTION. CADWELD OR EQUIVALENT CONNECTIONS ARE PREFERRED.

ANY WIRE EXTENSIONS REQUIRED TO CONNECT FROM A GROUND ROD TO A SURGE PROTECTOR OR ENCLOSURE GROUND LUG SHALL BE BARE COPPER, AND SHALL NOT HAVE ANY SHARP BENDS OR KINKS. WIRE EXTENSIONS CONNECTED TO SURGE PROTECTORS SHALL USE A CADWELD TYPE OR SCREW CLAMP TYPE CONNECTION WHERE THE BARE COPPER GROUND WIRE MEETS THE GREEN GROUNDING WIRE FROM THE SURGE PROTECTOR.



NOTES:

1. ALL TWO-WIRE COMPONENTS (WIRE, DECODERS, SURGE PROTECTION, ETC.) SHALL BE PROVIDED BY RAINBIRD, 800-724-6247.
2. SEE DETAIL RELATED DETAILS FOR WIRING AND GROUNDING CONNECTIONS.

WIRE CONFIGURATION

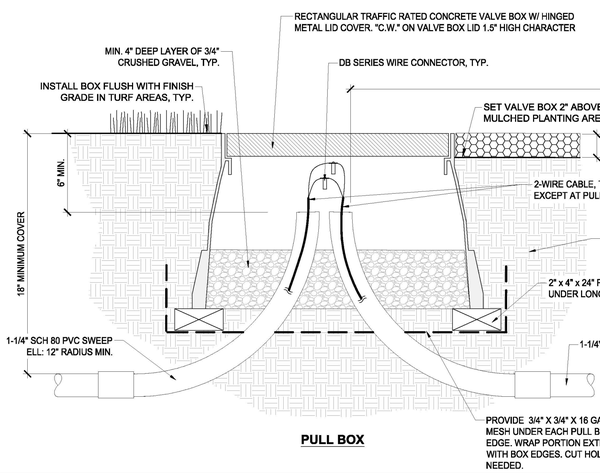
WIRE GAUGE	Total WireLength (feet)	Max Distance from Decoder to Solenoid
MAXI-Cable 14-2UF	8,700	456
Maximum 500 feet between line surge protectors		

1 2-WIRE SYSTEM LAYOUT

NTS

B.O.E. 02/16/18

RP DETAIL L1372



NOTES:

1. ALL CONDUIT AND FITTINGS SHALL BE SCHEDULE 80 PVC. CHANGES IN DIRECTION OF CONDUIT PATH SHALL NOT EXCEED 360 DEG. FOR EACH SECTION BETWEEN PULL BOXES.
2. MAXIMUM DISTANCE BETWEEN PULL BOXES SHALL BE 200 FEET.
3. MAXIMUM LENGTH OF SECONDARY WIRE PATH (14 AWG) FROM FIELD DECODER TO SOLENOID IS 450 FEET.
4. PROVIDE A COIL OF MIN. 24" OF 2-WIRE CABLE AT EACH SPLICE OR DECODER CONNECTION POINT.

TWO-WIRE SYSTEM GROUNDING REQUIREMENTS:

SURGE PROTECTION USING PROPER GROUNDING RODS IS REQUIRED FOR PROTECTION AGAINST SURGE DAMAGE DUE TO LIGHTNING OR OTHER ELECTRICAL SURGE EVENTS. CONFORMANCE TO THIS SURGE SUPPRESSION SPECIFICATION IS NECESSARY TO RETAIN WARRANTY PROTECTION UNDER MANUFACTURER'S WARRANTY TERMS.

THE INSTALLATION SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS, AND MUST MEET OR EXCEED THE AMERICAN SOCIETY OF IRRIGATION CONSULTANTS (ASIC) EARTH GROUNDING GUIDELINE 100-2002.
HTTP://WWW.ASIC.ORG/UPLOADS/ASSETS/011007_121320_ASIC_GROUNDING_GUIDELINES.DOC

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1.) ALL GROUNDING RODS SHALL BE BARE COPPER OF 5/8" DIAMETER OR GREATER, AND 8' LENGTH OR GREATER.

2.) A MEASURED RESISTANCE READING OF NO MORE THAN 10 OHMS IS NECESSARY AT EACH LIGHTNING ARRESTOR. ASIC SPEC: SECTION 7.0 - MEASURING RESISTANCE, ITEM A.

GROUND RODS SHALL BE LOCATED AT A MINIMUM DISTANCE TO ASSURE THAT THE TWO-WIRE PATH IS OUTSIDE OF THE ELECTRODE SPHERE OF INFLUENCE FOR THE GROUNDING ROD: THE GROUND ROD MUST BE CONNECTED AT LEAST 8' AWAY FROM THE TWO-WIRE PATH, AT A RIGHT ANGLE TO THE TWO-WIRE PATH.

UNDER NO CIRCUMSTANCES SHOULD A GROUND ROD BE INSTALLED IN OR UNDER A VALVE BOX, METER BOX OR ELECTRICAL BOX.

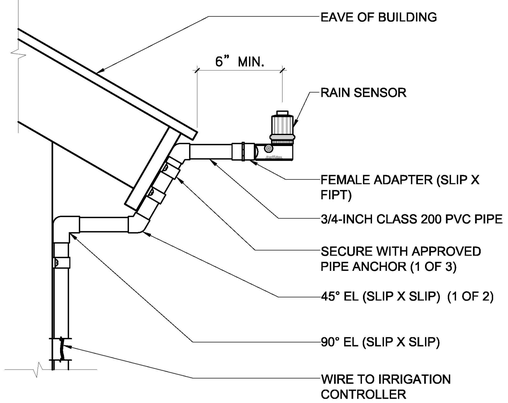
CONNECTIONS TO GROUNDING RODS:
ALL CONNECTIONS TO GROUND RODS SHALL CONFORM TO ASIC EARTH GROUNDING GUIDELINE 100-2002, AND SHALL CONSIST OF A SCREW CLAMP TYPE OF CONNECTION.

ANY WIRE EXTENSIONS REQUIRED TO CONNECT FROM A GROUND ROD TO A LIGHTNING ARRESTOR OR ENCLOSURE GROUND LUG SHALL BE BARE COPPER, AND SHALL NOT HAVE ANY SHARP BENDS OR KINKS. WIRE EXTENSIONS CONNECTED TO LIGHTNING ARRESTORS SHALL USE A CADWELD TYPE OR SCREW CLAMP TYPE CONNECTION WHERE THE BARE COPPER GROUND WIRE MEETS THE GREEN GROUNDING WIRE FROM THE LIGHTNING ARRESTOR.

3 2-WIRE CABLE INSTALLATION AND GROUNDING

NTS

RP DETAIL L1430



4 RAIN SENSOR ON BUILDING

N.T.S.

P-HRC2019-328409-03

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OFFICIAL RECORD

STUDIO-MLA
20 South Hudson Road
Los Angeles, California 90033
Telephone (323) 660-0160

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: IRRIGATION DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L705
SHEET 0 OF SHEETS

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:
REVISION DATES (DESIGN STAGE ONLY)

PLANTING NOTES

1. PLANTING PLANS ARE DIAGRAMMATIC. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS, PLANT TYPES, SIZES, AND PLANT LOCATIONS AS SHOWN PRIOR TO INSTALLATION. ADVISE LANDSCAPE ARCHITECT WHERE CONFLICTS MAY BE PRESENT FOR RESOLUTION SO THE DESIGN'S INTENT IS NOT COMPROMISED.

2. PROTECTION OF EXISTING PLANTS, WHERE APPLICABLE, SHALL COMPLY WITH REQUIREMENTS UNDER SPECIFICATION SECTION 025639 - TEMPORARY TREE AND PLANT PROTECTION.

3. VERIFY AND STAKE LOCATIONS OF EXISTING UTILITIES PRIOR TO EXCAVATION. CONTACT UNDERGROUND SERVICE ALERT (800.642.2444). PROTECT UTILITIES IN PLACE DURING CONTRACT DURATION. ANY DAMAGE TO UTILITIES SHALL BE REPAIRED BY CONTRACTOR AT THEIR OWN EXPENSE.

4. DO NOT PRUNE OR TOP TREES PRIOR TO DELIVERY UNLESS DIRECTED, IN WRITING, BY THE PROJECT MANAGER. ALL AUTHORIZED PRUNING MUST BE DONE UNDER THE SUPERVISION OF CERTIFIED ARBORIST APPROVED BY RAP FORESTRY.

5. THE APPLICATION OF SOIL AMENDMENTS AND/OR FERTILIZERS SHALL BE DETERMINED BY THE RESULTS OF AN AGRICULTURAL SUITABILITY ANALYSIS PREPARED BY A LICENSED SOILS LABORATORY FOR ON-SITE ROUGH-GRADED SOILS, AND (IF REQUIRED) ANY IMPORTED TOPSOIL. REFER TO THE SPECIFICATIONS FOR THE NUMBER OF REPRESENTATIVE SAMPLES REQUIRED TO BE ANALYZED, AND THE NECESSARY ASSOCIATED TESTING METHODS/RESULTS THAT ARE REQUIRED TO BE FULFILLED. IF SIGNIFICANTLY DIFFERENT SOILS ARE ENCOUNTERED BY THE SUITABILITY ANALYSIS RESULTS, FURTHER SAMPLING MAY BE REQUIRED. A COPY OF THE SUITABILITY ANALYSES, ACCOMPANIED WITH RECOMMENDATIONS AUTHORED BY THE LABORATORY TO BRING THE SUBJECT SOILS INTO OPTIMUM HORTICULTURAL SUITABILITY (USING PRODUCTS/MATERIALS IDENTIFIED IN THE PROJECT SPECIFICATIONS), SHALL BE SUBMITTED TO THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT AS SOON AS AVAILABLE. CONTRACTOR SHALL SUBMIT WRITTEN CERTIFICATION, ACCOMPANIED WITH COPIES OF THE DELIVERY TICKETS, THAT ALL REQUIRED SOIL AMENDEMENT AND FERTILIZER TYPE(S) HAVE BEEN INCORPORATED AT THE NECESSARY APPLICATION RATES AS RECOMMENDED AND REVIEWED THROUGH THE AGRICULTURAL SUITABILITY ANALYSIS.

6. BASED ON THE RESULTS AND/OR MODIFICATIONS REQUIRED FROM AGRICULTURAL SUITABILITY ANALYSIS, THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO MAKE RECOMMENDATIONS FOR REVISIONS TO THE PLANTING SPECIES REQUIRED TO BETTER ACCOMMODATE THE AMENDED SOILS AT NO ADDITIONAL COST TO THE CITY.

7. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY EROSION CONTROL AT ALL TIMES. TEMPORARY EROSION CONTROL SHALL CONSIST OF, BUT NOT LIMITED TO, CONSTRUCTING SUCH FACILITIES AND TAKING SUCH MEASURES AS ARE NECESSARY TO PREVENT, CONTROL, AND ABATE WATER, MUD AND EROSION DAMAGE TO THE SITE AND ADJOINING PROPERTY (PRIVATE AND PUBLIC) AS A RESULT OF CONSTRUCTING THE PROJECT. BY OCTOBER 15TH OF EACH YEAR, OR EARLIER IF CONDITIONS WARRANT, SUCH TEMPORARY EROSION CONTROL FEATURES AS ARE NECESSARY TO PREVENT DAMAGE DURING THE FORTHCOMING WINTER SEASON SHALL BE CONSTRUCTED AND FUNCTIONING, MEETING REQUIREMENTS OF THE REGIONAL WATER QUALITY CONTROL BOARD.

8. CONTRACTOR SHALL REQUEST A PRE-CONSTRUCTION MEETING A MINIMUM TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY LANDSCAPE IMPROVEMENT WORK AT THE SITE.

9. LOCATION OF PLANT MATERIAL TAKES PRECEDENCE OVER LOCATION OF IRRIGATION SYSTEM COMPONENTS. CONTRACTOR SHALL MAKE NECESSARY PROVISIONS IN FIELD WHERE IRRIGATION SYSTEM COMPONENTS (SUBSURFACE MAINLINES, LOCATION OF VALVE BOXES, ETC.) DO NOT CONFLICT WITH THE LOCATION OR DESIGN INTENT LAYOUT OF THE PLANT MATERIAL. COORDINATION IS ESSENTIAL TO MAKE SURE THE DESIGN INTENT OF THE PLANTING IS NOT COMPROMISED. (EXAMPLES: A CONTINUOUS HEDGE REQUIRES DIVISION INTO PARTIAL SEGMENTS DUE TO ERRANT SETTING OF VALVE BOXES, OR A TREE NEEDS TO BE RELOCATED DUE TO ERRANT LOCATION OF INSTALLED IRRIGATION MAINLINE. THE DESIGN INTENT FOR A CONTINUOUS HEDGE TAKES PRECEDENCE (THE VALVE BOXES SHALL BE LOCATED IN ANOTHER NON-CONFLICTING LOCATION); THE IRRIGATION MAINLINE SHALL BE REROUTED ACCORDINGLY (TO AVOID THE NEED TO RELOCATE THE CONFLICTING TREE).

10. CHECK DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. DISCREPANCIES OR POSSIBLE DEFICIENCIES BETWEEN THE CONTRACT DRAWINGS AND SPECIFICATIONS WITH FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT.

11. PROVIDE FOR POSITIVE DRAINAGE AT ALL TIMES. NOTIFY LANDSCAPE ARCHITECT IF SITE CONDITIONS ARE OTHERWISE. MAINTAIN FLOWLINES AND DRAINAGE PATTERNS AS INDICATED ON THE ENGINEER'S DRAWINGS. REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO GROWTH OF PLANT MATERIAL.

12. PLANT QUANTITIES, IF INDICATED, ARE FOR THE OWNER'S CONVENIENCE ONLY. CONTRACTOR TO VERIFY ALL PLANT QUANTITIES AS INDICATED IN THE PLAN DOCUMENTS.

13. CONTAINER-GROWN PLANTS SHALL HAVE BEEN CULTIVATED IN NURSERY CONTAINERS FOR A MINIMUM OF SIX (6) MONTHS, AND A MAXIMUM OF TWO (2) YEARS. PLANTS SHALL HAVE SUFFICIENTLY- DEVELOPED ROOT SYSTEMS TO HOLD PLANTING SOIL TOGETHER INTACT UPON REMOVAL FROM THEIR CONTAINERS; THEY SHALL NOT EXHIBIT A ROOT-BOUND CONDITION.

14. PLANTS SHALL BE HANDLED BY THEIR CONTAINERS AT ALL TIMES. DO NOT LIFT, SET, OR HANDLE PLANTS BY THEIR TRUNKS, STEMS, OR FOLIAGE MASS. DO NOT USE PLANTS AS A LEVER FOR INSTALLATION. DO NOT DROP CONTAINERS TO DISRUPT ROOT SYSTEMS. ROOTBALLS THAT ARE CRACKED OR DAMAGED SHALL BE REJECTED AND REPLACED.

15. PLANTS SHALL BE DELIVERED TO SITE UNDER PROTECTIVE COVER. PLANTS SHALL ARRIVE UNBLEMISHED, WITH SUFFICIENTLY MOISTENED ROOTBALLS. STORE AND PROTECT FROM DAMAGE THROUGHOUT INSTALLATION PERIOD. MAINTAIN PLANTS IN A FULLY- IRRIGATED CONDITION UNTIL INSTALLATION.

16. PLANTS DELIVERED TO THE SITE SHALL HAVE DURABLE LEGIBLE LABELS, PRINTED OR STATED IN WEATHER-RESISTANT INK, WITH THE CORRECT BOTANICAL NAME OF THE PLANT(S) BEING DELIVERED. LABELS SHALL BE SECURELY ATTACHED TO PLANT FOLIAGE OR CONTAINER. PLANTS THAT HAVE BEEN REVIEWED AND SELECTED IN ADVANCE AT THE NURSERY BY THE LANDSCAPE ARCHITECT SHALL BE DELIVERED TO THE SITE WITH THE ORIGINAL NURSERY TAGGING MATERIALS (HELD SECURELY INTACT AND UNTAINTED) AS USED BY THE LANDSCAPE ARCHITECT.

17. PRIOR TO PLANTING OPERATIONS, CONTRACTOR SHALL RECEIVE APPROVAL OF REQUIRED SUBMITTALS AS INDICATED IN CONTRACT SPECIFICATIONS. SUBMITTALS INCLUDE THE FOLLOWING:

- AGRONOMIC SOIL FERTILITY ANALYSIS AND RECOMMENDATIONS PER SPECIFICATION SECTION 329113.
- SOIL PERCOLATION TESTING PER SPECIFICATION SECTION 329113.
- APPLICABLE SOIL PREPARATION ARTICLES BEING FURNISHED AND INSTALLED FOR AMENDMENTS, FERTILIZERS, AND SOIL MIXTURES UNDER SPECIFICATION SECTION 329113.
- PLANT MATERIALS BEING FURNISHED AND INSTALLED UNDER APPLICABLE SPECIFICATION SECTIONS 329200, 329300, AND/OR 329360.
- LANDSCAPE PLANTING ACCESSORIES BEING FURNISHED AND INSTALLED UNDER SPECIFICATION SECTION 329400.
- APPLICABLE PLANT ESTABLISHMENT PERIOD ARTICLES BEING FURNISHED AND INSTALLED UNDER SPECIFICATION SECTION 329813.

21. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED WHEN SOIL ARE IN A SATURATED, MUDDY, OR FROZEN CONDITION.

22. PLANTING HOLE/PIT SHALL BE EXCAVATED TO A MINIMUM OF 2X THE WIDTH OF THE PLANT ROOTBALL BEING INSTALLED. DO NOT EXCAVATE HOLES/PITS DEEPER THAN THE DEPTH OF THE ROOTBALL BEING INSTALLED. SCARIFY THE SIDES OF THE PLANTING HOLE/PIT TO ENCOURAGE OPTIMUM GROWTH INTO THE SUBGRADE.

23. UPON REMOVAL OF THE PLANT'S NURSERY CONTAINER OR ROOT BALL WRAPPINGS, PRUNE OR REMOVE ANY WINDING OR GIRDLING ROOTS. PRUNE/CUT UTILIZING CLEAN, SHARP, AND STERILIZED TOOLS. LIGHTLY SCARIFY ROOT BALL TO ENCOURAGE OUTWARD GROWTH OF ROOT MASS.

24. SET THE TOP (CROWN) OF THE PLANT ROOT BALL SLIGHTLY ABOVE THE LEVEL OF THE SURROUNDING FINISHED GRADIENT, ALLOWING FOR ANY DIFFERENTIAL SETTLEMENT OF THE BACKFILL.

25. FULLY IRRIGATE PLANT MATERIALS IMMEDIATELY UPON INSTALLATION SO THAT ROOT MASS AND BACKFILL ARE SATURATED AND SETTLED. MONITOR PLANTS AND APPLY SUPPLEMENTAL WATER, IN QUANTITY AS REQUIRED, TO PROMOTE HEALTHY ESTABLISHMENT, AND UNTIL IRRIGATION SYSTEM IS FULLY OPERATIONAL AND FUNCTIONAL. HAND WATERING OF PLANTS MAY BE REQUIRED TO ENSURE SURVIVAL.

26. FOR BOXED TREES, SET TREES IN THE EXCAVATED PLANTING HOLE/PIT AND ORIENT/SET PLUMB, ACCORDING TO THE DIRECTION OF THE LANDSCAPE ARCHITECT. ONCE TREE IS ACCEPTED IN PLACE, REMOVE NURSERY CONTAINER STRAPS AND SIDES. INSTALL SUPPLEMENTAL DRAINAGE ASSEMBLIES AND TREE ROOT AERATION UNITS AS SPECIFIED. INSTALL ROOT CONTROL BARRIERS AS SPECIFIED. BACKFILL AND LIGHTLY COMPACT ACCORDINGLY IN LIFTS WITH AMENDED PLANTING BACKFILL MIXTURE (REFER TO SPECIFICATIONS). APPLY WATER AND TAMP TO REMOVE AIR POCKETS AND SETTLE BACKFILL BEING CAREFUL TO AVOID EXCESSIVE COMPACTION WHICH WILL AFFECT SOIL POROSITY ESSENTIAL FOR HEALTHY ROOT GROWTH. ADD SLOW-RELEASE FERTILIZER TABLETS AND SUPPLEMENTAL AMENDMENTS IN QUANTITY AS SPECIFIED PRIOR TO FINAL LIFT OF BACKFILL.

27. STAKE AND/OR GUY TREES, AS NECESSARY, IMMEDIATELY AFTER PLANTING, TO ENSURE CONTINUOUS PLUMB GROWTH THROUGH THE SPECIFIED PLANT ESTABLISHMENT PERIOD AND UNTIL FINAL ACCEPTANCE IS GRANTED. FOR TREE STAKING, SECURELY ANCHOR TREE STAKES INTO UNDISTURBED SUBGRADE. REFER TO SPECIFICATIONS FOR TYPE, QUANTITY, AND SIZE OF STAKES AND SUPPLEMENTAL STAKING MATERIALS. FOR TYPE AND INSTALLATION OF TREE GUYING ASSEMBLIES, REFER TO MANUFACTURER'S PRINTED INSTRUCTIONS AS SPECIFIED. REMOVE AND DISCARD ALL NURSERY-FURNISHED STAKING MATERIALS.

28. FOR VINE PLANTING, REMOVE NURSERY-FURNISHED STAKING OR TRELLIS SUPPORT MATERIALS. CAREFULLY TRAIN AND ANCHOR VINES TO SPECIFIED SUPPORTING STRUCTURES (FENCE, WALL, ETC.) BY WEAVING STEMS/BRANCHES THROUGH STRUCTURE, AND/OR ANCHOR WITH SPECIFIED WRAPPING MATERIALS IN QUANTITY NECESSARY TO SUFFICIENTLY SUPPORT PLANT IN AN UPRIGHT SPLAYED CONDITION. AVOID DAMAGE TO PLANT.

29. FOLLOWING PLANTING INSTALLATION AND REMEDIAL FINE GRADING, PLANTING AREAS SHALL RECEIVE A LAYER OF MULCH TO HOLD IN SOIL MOISTURE AND DETER WEED GROWTH AND SOIL EROSION. TYPE AND SETTLED DEPTH OF MULCH LAYER SHALL BE AS INDICATED ON THE CONTRACT DRAWINGS. MULCH SHALL BE APPLIED BEING CAREFUL NOT TO SET WITHIN AND PROTECT GROWING NODES OF INSTALLED PLANTS.

30. REMEDIAL PRUNING OF PLANTS SHALL BE RESERVED AND LIMITED TO DEAD, DISEASED OR BROKEN LIMBS ONLY, AND SHALL BE IN STRICT ACCORDANCE WITH ANSI A300 SPECIFICATIONS. PRUNE/CUT UTILIZING CLEAN, SHARP, AND STERILIZED TOOLS.

31. LANDSCAPE INSTALLATION PERIOD: CONTRACTOR IS RESPONSIBLE FOR MAINTAINING IN FULL, ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, WEEDING, STAKING, ETC.) AS THEY ARE COMPLETED DURING THE PROGRESS OF THE WORK AND DURING THE PLANT ESTABLISHMENT PERIOD. SEE LANDSCAPE PLANTING SPECIFICATIONS FOR ADDITIONAL DETAIL.

32. THE LANDSCAPE ESTABLISHMENT PERIOD SHALL BE A MINIMUM PERIOD OF 90 DAYS UNLESS EXTENDED AS DESCRIBED IN THE LANDSCAPE PLANTING SPECIFICATIONS.

33. CONTINUOUSLY MAINTAIN INSTALLED PLANTING AREAS IN A DUST, PEST, TRASH, DEBRIS, AND WEED-FREE CONDITION THROUGHOUT THE CONTRACTED PLANT ESTABLISHMENT PERIOD UNTIL FINAL ACCEPTANCE. MAINTAIN IN ACCORDANCE WITH APPLICABLE GOVERNING AGENCY GUIDELINES AND SPECIFICATIONS UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.

PLANT SCHEDULE HRC

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	PLANT FACTOR	WXH	QTY	DETAIL
TREES							
	ARB MUL	ARBUTUS X `MARINA` MARINA STRAWBERRY TREE	36" BOX	LOW	MULTI-TRUNK	7	1/L803
	JAC MUL	JACARANDA MIMOSIFOLIA JACARANDA	36" BOX	MODERATE	STANDARD	2	1/L803
1	MEL STY	MELALEUCA STYPHELIOIDES PRICKLY LEAVED PAPERBACK	36" BOX	LOW	STANDARD	2	1/L803
	PIN TO2	PINUS TORREYANA TORREY PINE	36" BOX	LOW	STANDARD	2	1/L803
1	PLA RAC	PLATANUS RACEMOSA CALIFORNIA SYCAMORE	36" BOX	MODERATE	STANDARD	2	1/L803
	QUE RUG	QUERCUS RUGOSA NETLEAF OAK	36" BOX	LOW	STANDARD	2	1/L803
SHRUBS					SPACING		
	BAC TWI	BACCHARIS PILULARIS `TWIN PEAKS #2` TWIN PEAKS #2 COYOTE BRUSH	5 GAL	LOW	60" O.C.	72	2/L803
	BUL TIN	BULBINE FRUTESCENS 'TINY TANGERINE' TINY TANGERINE BULBINE	5 GAL	LOW	24" O.C.	171	2/L803
	CAR PRO	CARISSA MACROCARPA 'PROSTRATA' PROSTRATE NATAL PLUM	5 GAL	LOW	42" O.C.	123	2/L803
	HES PAR	HESPERALOE PARVIFLORA RED YUCCA	5 GAL	LOW	48" O.C.	46	2/L803
	OLE LIT	OLEA EUROPAEA 'LITTLE OLLIE' TM LITTLE OLLIE OLIVE	5 GAL	LOW	72" O.C.	22	2/L803
	ROS BLU	ROSMARINUS OFFICINALIS 'BLUE SPIRES' BLUE SPIRES ROSEMARY	5 GAL	LOW	36" O.C.	37	2/L803
	YUC COL	YUCCA FILAMENTOSA 'COLOR GUARD' COLOR GUARD ADAM'S NEEDLE	5 GAL	LOW	42" O.C.	54	2/L803
VINE/ESPALIER							
	FIC PUM	FICUS PUMILA CREEPING FIG ATTACH TO WALL	5 GAL	MODERATE	48" O.C.	9	4/L803
GROUND COVERS					SPACING		
	CAR DIV	CAREX DIVULSA BERKELEY SEDGE	1 GAL	MODERATE	1-6" O.C.	214 SF	5/L803
	TUR B19	TURF SOD BERMUDA TIFWAY II OS TIFWAY II OS BERMUDA	SOD	MODERATE		2,609 SF	5/L803

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STUDIO-MLA
251 South Mission Road
Los Angeles, California 90033
T. 213 384 3844 studio-mla.com

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CITY OF LOS ANGELES

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	IMENTS 90%		

BUILDING NO. -
INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
DATE:
GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: PLANTING NOTES & SCHEDULE

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

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DRAWING NO. L800A
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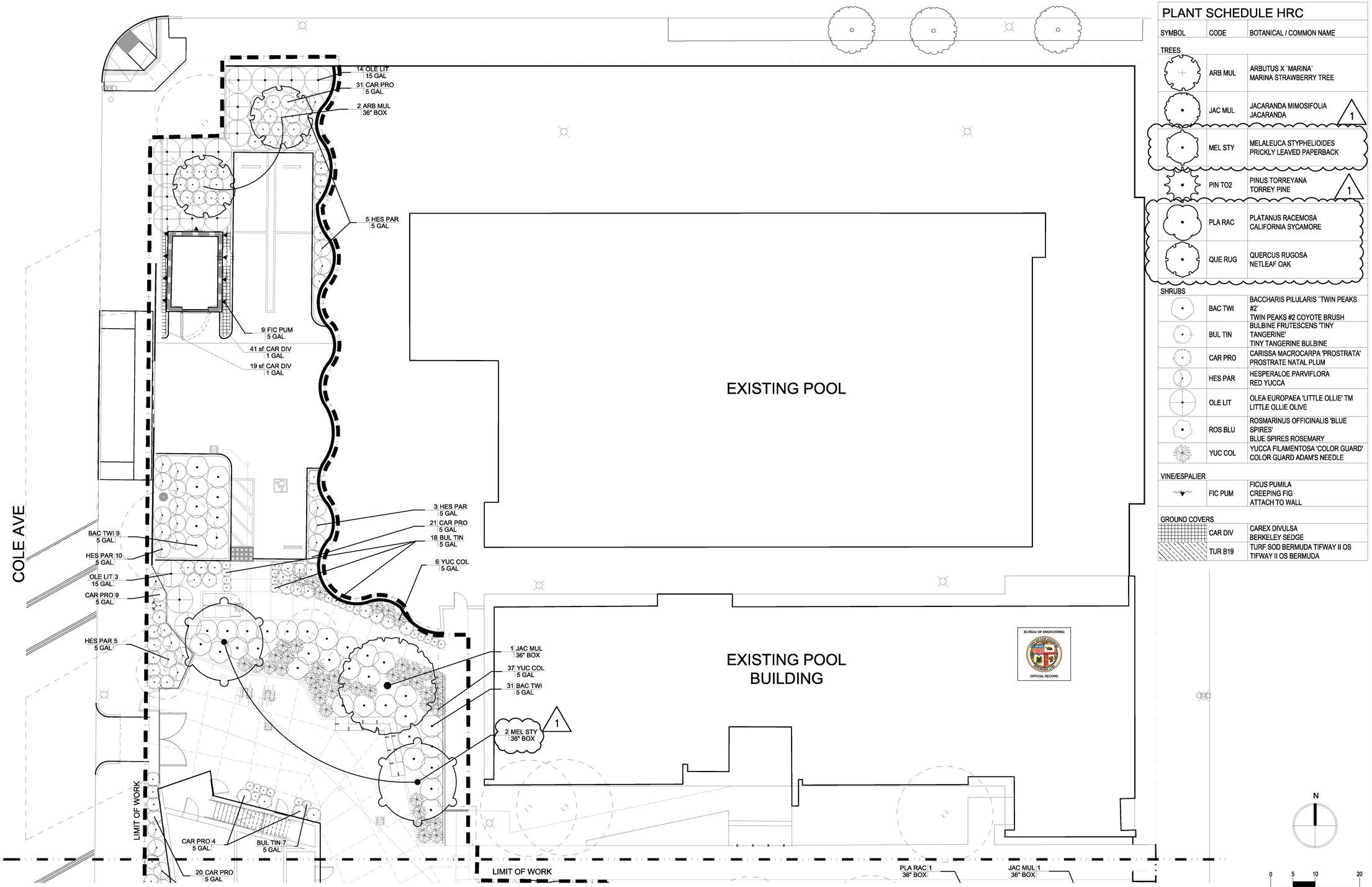

MATCHLINE SEE - SHEET L802

PLANT SCHEDULE HRC

SYMBOL	CODE	BOTANICAL / COMMON NAME
TREES		
	ARB MUL	ARBUTUS X `MARINA` MARINA STRAWBERRY TREE
	JAC MUL	JACARANDA MIMOSIFOLIA JACARANDA 1
	MEL STY	MELALEUCA STYPHELIOIDES PRICKLY LEAVED PAPERBACK
	PIN TO2	PINUS TORREYANA TORREY PINE 1
	PLA RAC	PLATANUS RACEMOSA CALIFORNIA SYCAMORE
	QUE RUG	QUERCUS RUGOSA NETLEAF OAK
SHRUBS		
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VINE/ESPALIER		
	FIC PUM	FICUS PUMILA CREEPING FIG ATTACH TO WALL
GROUND COVERS		
	CAR DIV	CAREX DIVULSA BERKELEY SEDGE
	TUR B19	TURF SOD BERMUDA TIFWAY II OS TIFWAY II OS BERMUDA

STUDIO-MLA
251 South Mission Road
Los Angeles, California 90033
T. 213 384 3844 studio-mla.com

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CITY OF LOS ANGELES

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BID SET	IMENTS 50%		
	IMENTS 90%		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
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STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
ARCHITECTURAL DIVISION
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: PLANTING PLAN
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L801
SHEET # OF SHEETS #

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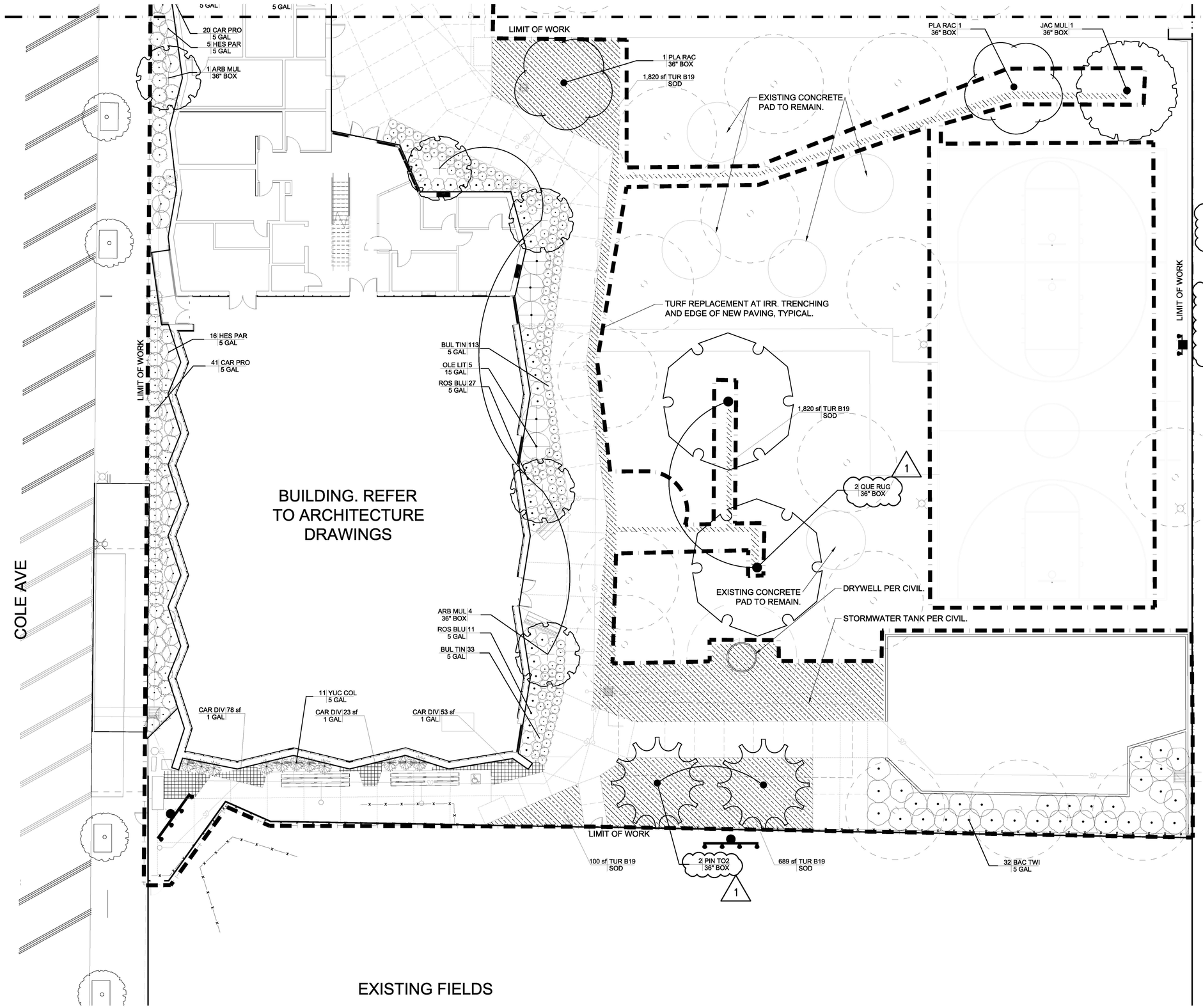
MATCHLINE SEE - SHEET L801



PLANT SCHEDULE HRC

SYMBOL	CODE	BOTANICAL / COMMON NAME
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	CAR PRO	CARISSA MACROCARPA 'PROSTRATA' PROSTRATE NATAL PLUM
	HES PAR	HESPERALOE PARVIFLORA RED YUCCA
	OLE LIT	OLEA EUROPAEA 'LITTLE OLLIE' TM LITTLE OLLIE OLIVE
	ROS BLU	ROSMARINUS OFFICINALIS 'BLUE SPIRES' BLUE SPIRES ROSEMARY
	YUC COL	YUCCA FILAMENTOSA 'COLOR GUARD' COLOR GUARD ADAM'S NEEDLE
VINE/ESPALIER		
	FIC PUM	FICUS PUMILA CREEPING FIG ATTACH TO WALL
GROUND COVERS		
	CAR DIV	CAREX DIVULSA BERKELEY SEDGE
	TUR B19	TURF SOD BERMUDA TIFWAY II OS TIFWAY II OS BERMUDA

N

0 5 10 20

1" = 10'

BUREAU OF ENGINEERING OFFICIAL RECORD

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Los Angeles, California 90033
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ENGINEERING
CITY OF LOS ANGELES

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	IMENTS 90%		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT JAN DYER 5623 11-30-24 3/20/2024 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE:
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: PLANTING PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

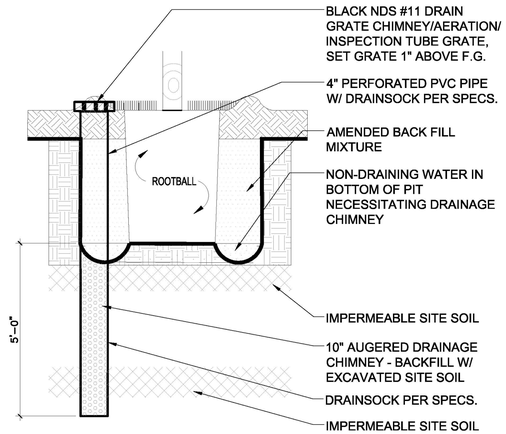
WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L802
SHEET # OF # SHEETS

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

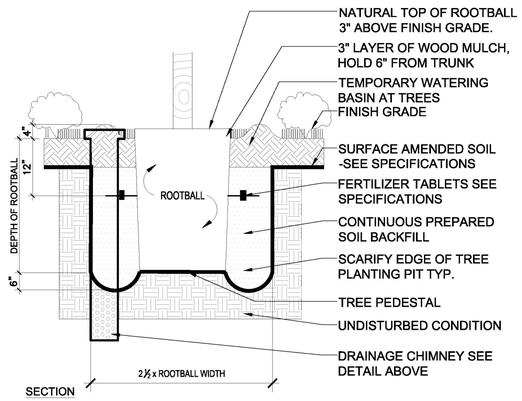
TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:
FILE PATH:
REVISION DATES (DESIGN STAGE ONLY)

PLOTTED:8/18/2021 2:54:15 PM

NOTE:
1. REMOVE BOTTOM FROM ALL BOXED TREES. IF TREE PIT STILL DOES NOT DRAIN CONTACT LANDSCAPE ARCHITECT PRIOR TO PLANTING FOR FURTHER ACTION.



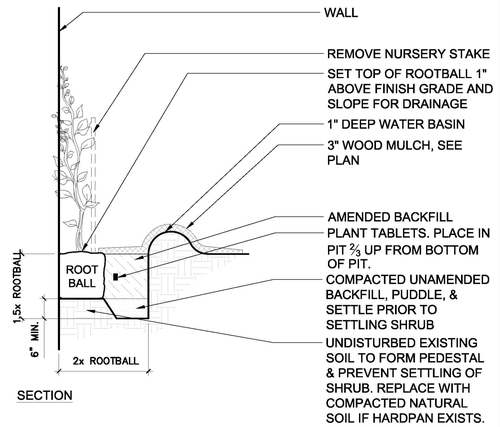
TREE CHIMNEY
SECTION



SECTION

7 TREE ROOT AERATION UNIT (TREE CHIMNEY)

N.T.S. P-HRC2019-329343-34

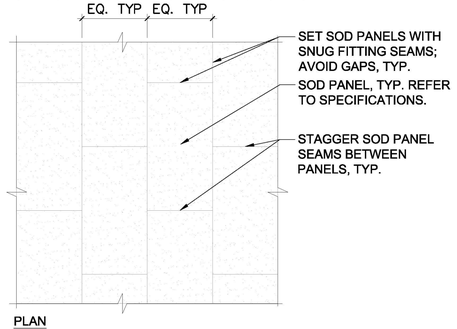


SECTION

4 VINE PLANTING

1" = 1'-0" P-HRC2019-329333-09

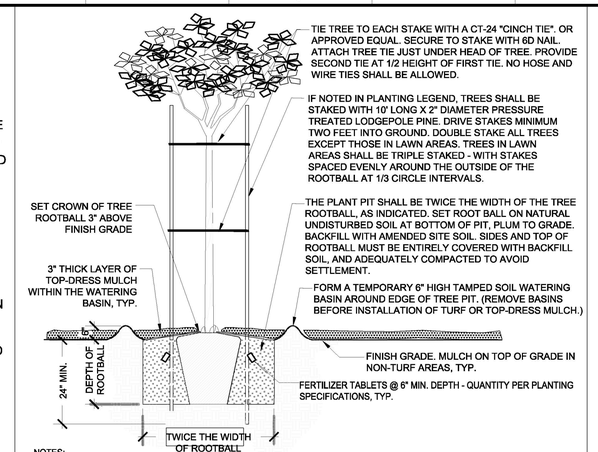
NOTES:
1. AFTER FINISH GRADING, LIGHTLY SCARIFY PREPARED SUBGRADING SURFACE TO PROVIDE GOOD ADHESION OF SOD PANEL'S ROOT MASS.
2. APPLY GRASS STARTER FERTILIZER (REFER TO SPECIFICATIONS) TO PREPARED SUBGRADE AT MANUFACTURER'S PRINTED INSTRUCTIONS PRIOR TO LAYING SOD PANELS.
3. INSTALL SOD PANELS WITH "GREEN SIDE UP".



PLAN

5 SOD PLANTING

1" = 1'-0" P-HRC2019-329313-03

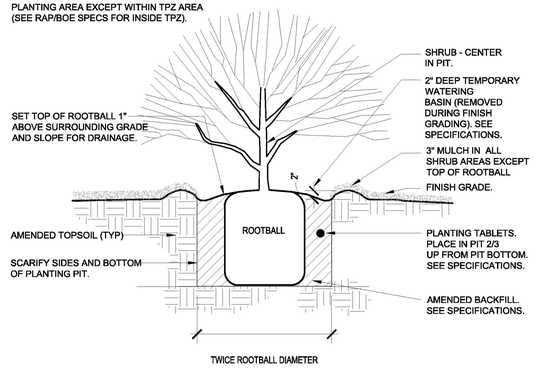


NOTES:
1. ALL TREES PLANTED IN LAWN AREAS SHALL HAVE A 48" DIAMETER UNPLANTED AREA AROUND EACH TREE TRUNK. INSTALL 3" TOP-DRESS MULCH INSIDE CIRCLE.
2. WHEN PLANTING TREES IN AREAS TO RECEIVE SOD, CONTRACTOR SHALL COMPENSATE FOR THE THICKNESS OF THE SOD AND SET TOP OF TREE ROOTBALL APPROPRIATELY TO AVOID A LOW AREA AND PONDING OF WATER.

1 TREE PLANTING AND STAKING

N.T.S. BOE VERSION DEC/19 RP DETAIL L2000

NOTE:
1. ALL SHRUB AREA: PROVIDE SOIL PREPARATION CONTINOUS IN ENTIRE PLANTING AREA EXCEPT WITHIN TPZ AREA (SEE RAP/BOE SPECS FOR INSIDE TPZ).

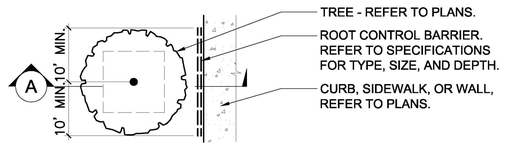


SECTION

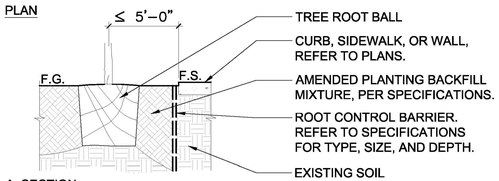
2 SHRUB PLANTING

N.T.S. P-HRC2019-329333-01

NOTES:
1. INSTALL ROOT CONTROL BARRIER PER MANUFACTURER'S RECOMMENDATIONS.
2. FURNISH & INSTALL FOR TREES LOCATED WITHIN 5' OF CURB, SIDEWALK, OR WALL.
3. SET TOP OF BARRIER AT FINISHED ELEVATION OF FINISH GRADE.



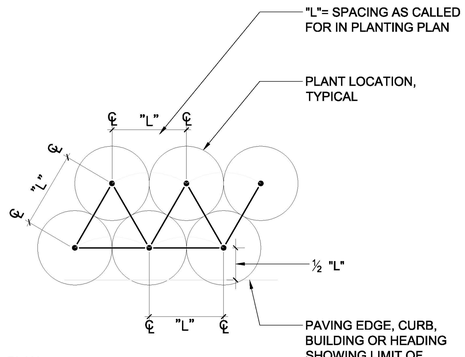
PLAN



A. SECTION

8 ROOT CONTROL BARRIER

N.T.S. P-HRC2019-329413-03



PLAN

3 TRIANGULAR SPACING

1" = 1'-0" P-HRC2019-329313-02

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BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED LANDSCAPE ARCHITECT
JAN DYER
5623
11-30-24
3/20/2024
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: DATE:
GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE PLANTING DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. L803
SHEET # OF SHEETS #

Project Status
PROJECT ISSUE DATE: Issue Date

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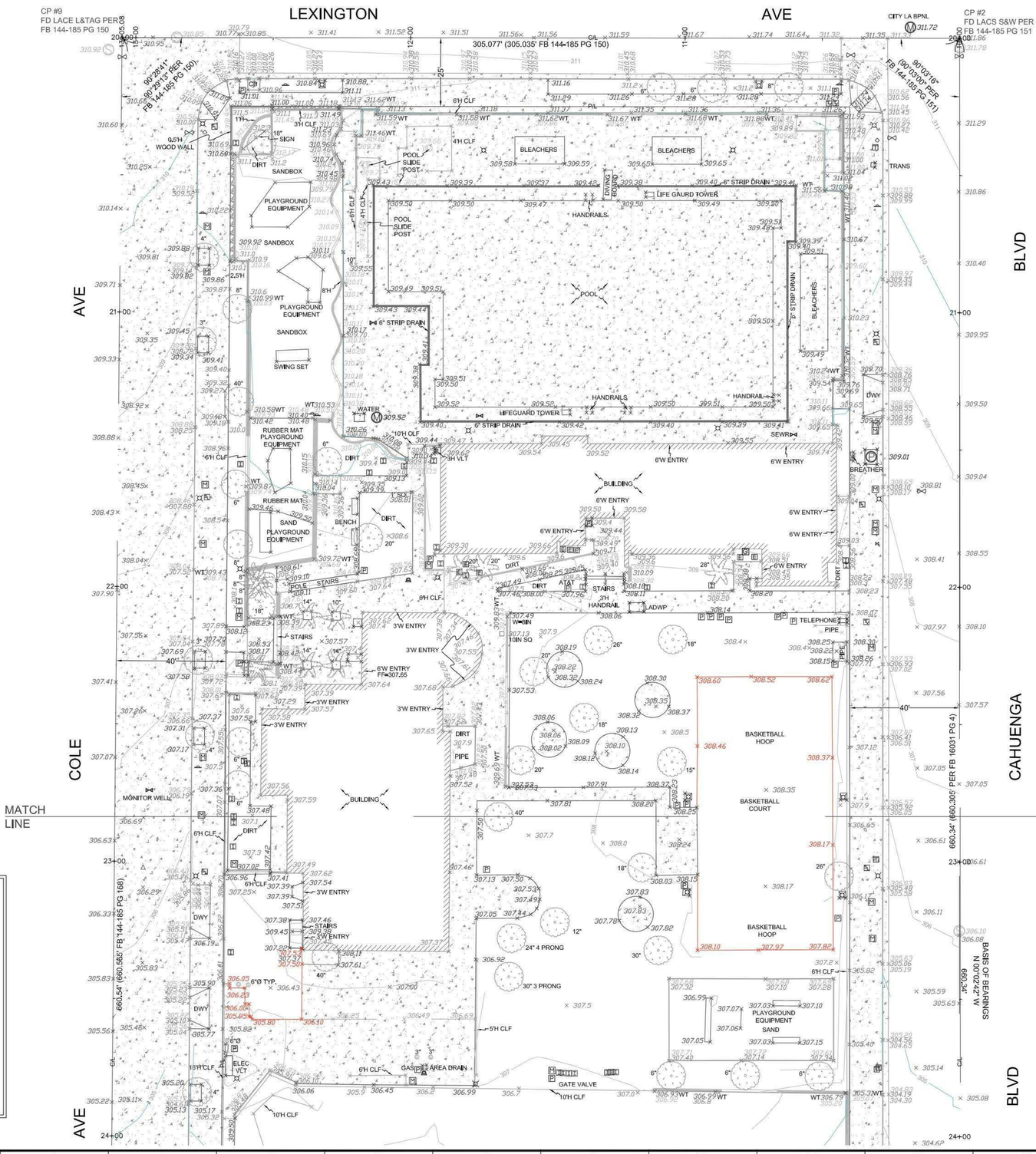
LEGEND ABBREVIATIONS

AC	ASPHALT CONCRETE
AVE	AVENUE
BLDG	BUILDING
BLVD	BOULEVARD
BOB	BASIS OF BEARINGS
C/L	CONTROL LINE
CAL'CD	CALCULATED
CB	CATCH BASIN
CLF	CHAIN LINK FENCE
COL	COLUMN
CONC	CONCRETE
CP	CONTROL POINT
DT	DIRT
DWY	DRIVE WAY
ELEC	ELECTRIC
FB	FIELD BOOK
FD	FOUND
FF	FINISHED FLOOR
H	HEIGHT
LACE	LOS ANGELES CITY ENGINEER
LACS	LOS ANGELES CITY SURVEYOR
NO	NUMBER
P/L	PROPERTY LINE
PG	PAGE
S&W	SPIKE AND WASHER
SSM	STANDARD SURVEY MONUMENT
VLT	VAULT
W	WIDTH
WIF	WROUGHT IRON FENCE
WT	WALL TOP
#	NUMBER
Ø	DIAMETER



NOTES:

STREET RIGHT OF WAY
STREET RIGHT OF WAYS ON THIS MAP WERE LOCATED BY FIELD SURVEY BY RETRACEMENT OF CITY ENGINEER FIELD BOOKS AS REFERENCED HEREON.

SCALE IN FEET
SCALE: 1"=20'
CONTOUR INTERVAL IS 1'

SYMBOL LEGEND

- MAINTENANCE HOLE
- SEWER MAINTENANCE HOLE
- STORM DRAIN MAINTENANCE HOLE
- POWER MAINTENANCE HOLE
- PULLBOX
- TRAFFIC SIGNAL PULLBOX
- STREET LIGHT PULLBOX
- ELECTRIC PULLBOX
- TELEVISION PULLBOX
- IRRIGATION CONTROL BOX
- WATER METER
- GAS VALVE
- WATER VALVE
- VALVE
- GAS METER
- DRINKING FOUNTAIN
- SURFACE DRAIN
- COLUMN
- LIGHT STANDARD
- TRAFFIC STANDARD
- LIGHT & TRAFFIC STANDARD
- SIGN
- FIRE HYDRANT
- GUARD POST
- POWER POLE
- GUY WIRE
- CONTROL POINT
- TREE
- PALM TREE
- CONCRETE
- DECORATIVE ROCKS

LEGEND LINE TYPE

- STREET CONTROL LINE
- CONTOUR LINE
- CONTOUR INDEX LINE
- CURB
- FLOW LINE
- CONCRETE GUTTER
- SIDE WALK
- DRIVEWAYS
- EDGE OF CONCRETE
- EDGE OF PAVEMENT
- GRADE CHANGE
- WALL
- CHAIN LINK FENCE
- WATER PIPE
- VAULT
- PROPERTY LINE

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REVISION DATES (DESIGN STAGE ONLY)

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Sheet Version 2.01

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:
	BID SET		

SURVEY NO. 100778

INDEX NO. RP-300126

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, P.E.
DATE: 1/12/2023

SURVEY DIVISION
P.L.S.: 1/11/2023
SURVEYOR: ERIC RAMOS
FIELD SURVEYOR: BRIAN BAKHSHI
DRAWN BY: TERENCE RIVERA
CHECKED BY: BRIAN BAKHSHI
APPROVED BY: 1/17/2022

VERTICAL CONTROL: FB# 41224 PG# 68 // BM = 124.9011 NAVD 1988, 2000 ADJ.
HORIZONTAL CONTROL: FB# 41224 PG# 68

SHEET TITLE: SITE SURVEY

PROJECT: HOLLYWOOD RECREATION CENTER - MODERN GYM PROJECT

ADDRESS: 1122 NORTH COLE AVENUE
LOS ANGELES, CALIFORNIA 90038

WORK ORDER NO. E1908203
DRAWING NO. 1
SHEET 1 OF 2 SHEETS

LEGEND ABBREVIATIONS

AC	ASPHALT CONCRETE
AVE	AVENUE
BLDG	BUILDING
BLVD	BOULEVARD
BOB	BASIS OF BEARINGS
C/L	CONTROL LINE
CAL'CD	CALCULATED
CB	CATCH BASIN
CLF	CHAIN LINK FENCE
COL	COLUMN
CONC	CONCRETE
CP	CONTROL POINT
DT	DIRT
DWY	DRIVE WAY
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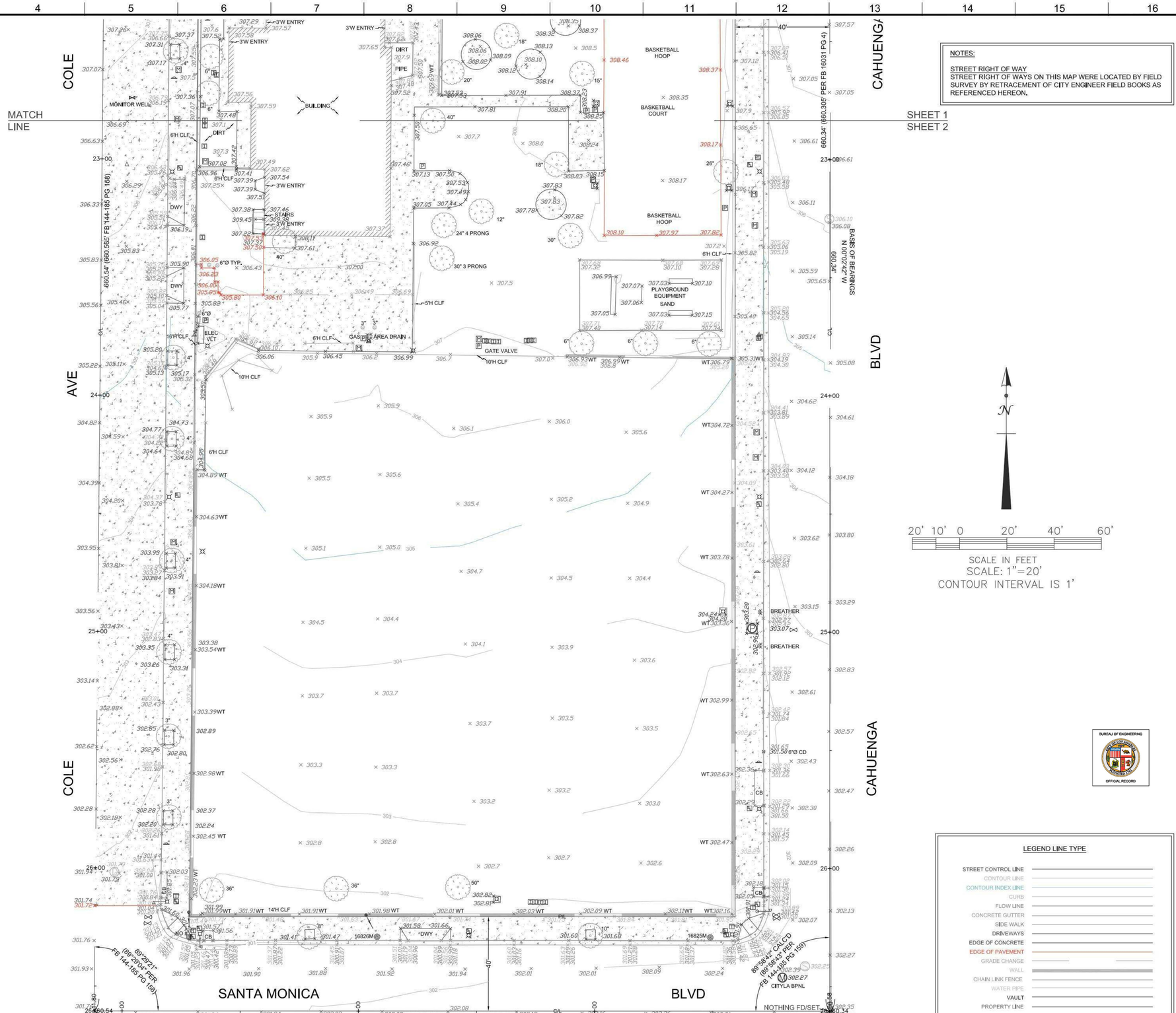
PG	PAGE
S&W	SPIKE AND WASHER
SSM	STANDARD SURVEY MONUMENT
VLT	VAULT
W	WIDTH
WIF	WROUGHT IRON FENCE
WT	WALL TOP
#	NUMBER
Ø	DIAMETER

NOTES:

STREET RIGHT OF WAY
STREET RIGHT OF WAYS ON THIS MAP WERE LOCATED BY FIELD SURVEY BY RETRACEMENT OF CITY ENGINEER FIELD BOOKS AS REFERENCED HEREON.



SYMBOL LEGEND

MAINTENANCE HOLE	LIGHT STANDARD
SEWER MAINTENANCE HOLE	TRAFFIC STANDARD
STORM DRAIN MAINTENANCE HOLE	LIGHT & TRAFFIC STANDARD
POWER MAINTENANCE HOLE	SIGN
PULLBOX	FIRE HYDRANT
TRAFFIC SIGNAL PULLBOX	GUARD POST
STREET LIGHT PULLBOX	POWER POLE
ELECTRIC PULLBOX	GUY WIRE
TELEVISION PULLBOX	CONTROL POINT
IRRIGATION CONTROL BOX	TREE
WATER METER	
GAS VALVE	PALM TREE
WATER VALVE	
VALVE	CONCRETE
GAS METER	
DRINKING FOUNTAIN	DECORATIVE ROCKS
SURFACE DRAIN	
COLUMN	

LEGEND LINE TYPE

- STREET CONTROL LINE
- CONTOUR LINE
- CONTOUR INDEX LINE
- CURB
- FLOW LINE
- CONCRETE GUTTER
- SIDE WALK
- DRIVEWAYS
- EDGE OF CONCRETE
- EDGE OF PAVEMENT
- GRADE CHANGE
- WALL
- CHAIN LINK FENCE
- WATER PIPE
- VAULT
- PROPERTY LINE

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BUREAU OF ENGINEERING

NO.	REVISIONS:	DATE:	BY:
	BID SET		

SURVEY NO. 100778

INDEX NO. RP-300126

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E. — DATE: 1/17/2023

SURVEY DIVISION — P.L.S.:

SURVEYOR:	ERIC RAMOS	1/12/2023
FIELD SURVEYOR:	BINAN BAKHSHI	1/11/2023
DRAWN BY:	TERENCE RIVERA	
CHECKED BY:	BINAN BAKHSHI	1/17/2023
APPROVED BY:		

VERTICAL CONTROL: FB# 41234 PG# 88 /// BM 12+39011 NAVD 1988; 2009 ADJ.
HORIZONTAL CONTROL: FB# 41234 PG# 88

SHEET TITLE: SITE SURVEY

PROJECT: HOLLYWOOD RECREATION CENTER - MODERN GYM PROJECT

ADDRESS: 1122 NORTH COLE AVENUE
LOS ANGELES, CALIFORNIA 90038

WORK ORDER NO. E1908203

DRAWING NO. 2

SHEET 2 OF 2 SHEETS

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Sheet Version 2.01

ACCESSIBLE PATH OF TRAVEL

EXIT # — EXIT NUMBER - REFER TO EXIT WIDTH ANALYSIS TABLE

COMMON PATH OF TRAVEL & EXIT ACCESS TRAVEL

ROOM NAME 150 SF 101 — ROOM NAME, ROOM AREA, ROOM NUMBER

PH — PANIC HARDWARE

LAVATORY

TOILET

KITCHEN SINK

DRINKING FOUNTAIN

LEGEND

LEGEND - FURNITURE

EGRESS CALCULATIONS

FLOOR	ROOM NUMBER	ROOM NAME	FUNCTION OF SPACE PER TABLE 1004.5	AREA	OCC LOAD FACTOR PER TABLE 1004.5	OCCUPANCY LOAD	NO. OF EXITS	COMMON PATH OF EGRESS TRAVEL	COMMON PATH DISTANCE PROVIDED	EXIT ACCESS TRAVEL DISTANCE	EXIT ACCESS TRAVEL DISTANCE PROVIDED
GROUND LEVEL	101	STAFF OFFICE	BUSINESS	154 SF	150 SF	2	1	100'	45'	300'	
GROUND LEVEL	103	STORAGE ROOM	ACCESSORY STORAGE	72 SF	300 SF	1	1	100'	71'	250'	
GROUND LEVEL	104	DIRECTOR OFFICE	BUSINESS	165 SF	150 SF	2	1	100'	70'	300'	
GROUND LEVEL	105	STAFF LOUNGE	BUSINESS	114 SF	150 SF	1	1	100'	55'	300'	
GROUND LEVEL	106	GYMNASIUM	ASSEMBLY UNCONCENTRATED	7,305 SF	15 SF	487	2	75'		250'	86'
GROUND LEVEL	107	ELEVATOR MACHINE ROOM	ACCESSORY STORAGE	41 SF	300 SF	1	1	100'	59'	250'	
GROUND LEVEL	108	JANITOR STORAGE	ACCESSORY STORAGE	60 SF	300 SF	1	1	100'	60'	250'	
GROUND LEVEL	109	GYM STORAGE	ACCESSORY STORAGE	227 SF	300 SF	1	1	100'	38'	250'	
GROUND LEVEL	112	WATER HEATER	MECHANICAL	74 SF	300 SF	1	1	75'	45'	250'	
GROUND LEVEL	113	ITA/TELECOM	MECHANICAL	94 SF	300 SF	1	1	75'	16'	250'	
GROUND LEVEL	114	FUTURE BATTERY ROOM	MECHANICAL	228 SF	300 SF	1	1	75'	51'	250'	
GROUND LEVEL	115	ELECTRICAL ROOM	MECHANICAL	239 SF	300 SF	1	1	75'	32'	250'	
GROUND LEVEL	116	PARK STORAGE	ACCESSORY STORAGE	145 SF	300 SF	1	1	100'	20'	250'	
LEVEL 2	200	MULTIPURPOSE ROOM D	ASSEMBLY UNCONCENTRATED	265 SF	15 SF	18	1	100'	24'	250'	93'
LEVEL 2	201	KITCHENETTE	BUSINESS	97 SF	150 SF	1	1	100'	15'	300'	84'
LEVEL 2	203	MULTIPURPOSE ROOM C	ASSEMBLY UNCONCENTRATED	474 SF	15 SF	32	1	75'	46'	250'	94'
LEVEL 2	204	MULTIPURPOSE ROOM B	ASSEMBLY UNCONCENTRATED	537 SF	15 SF	36	1	75'	42'	250'	121'
LEVEL 2	205	MULTIPURPOSE ROOM A	ASSEMBLY UNCONCENTRATED	440 SF	15 SF	30	1	75'	40'	250'	97'
TOTAL OCCUPANT LOAD						618					

EGRESS WIDTH ANALYSIS

EXIT NUMBER	OCCUPANT LOAD	REQUIRED EGRESS WIDTH PER SECT. 1005	PROVIDED EGRESS WIDTH
D1	172	172 X 0.2 =35"	72"
D2	1	1X 0.2 = 0.2"	36"
D3	1	1X 0.2 = 0.2"	36"
D4	59	59 X 0.2 = 12"	36"
D5	163	163X 0.2 = 33"	36"
D6	163	163 X 0.2 = 33"	36"

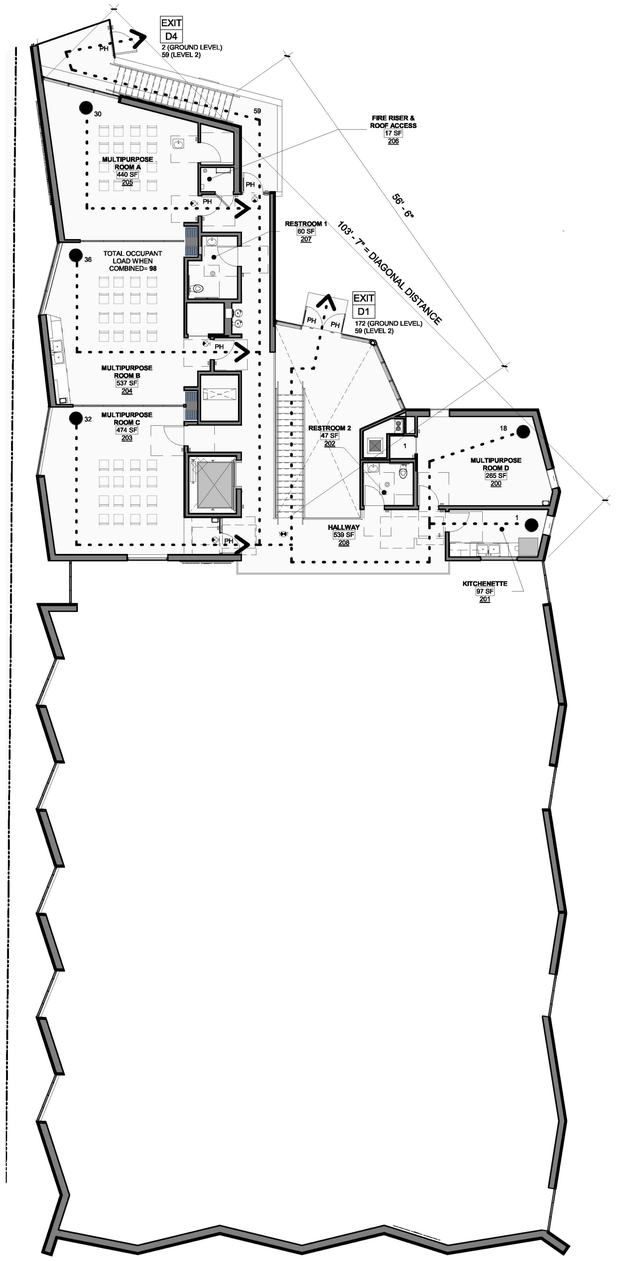
PLUMBING CALCULATIONS

OCCUPANCY	AREA	OCCUPANT LOAD FACTOR PER CPC TABLE 422.1-A	PLUMBING OCC LOAD	WOMEN OCC LOAD	MEN OCC LOAD
	539 SF		0	0	0
GROUP A-3, ASSEMBLY WITHOUT FIXED SEATING	9,020 SF	30	152	76	76
GROUP B, OFFICES	2,110 SF	200	9	4.5	4.5
Grand total: 16	11,669 SF		161	80.5	80.5

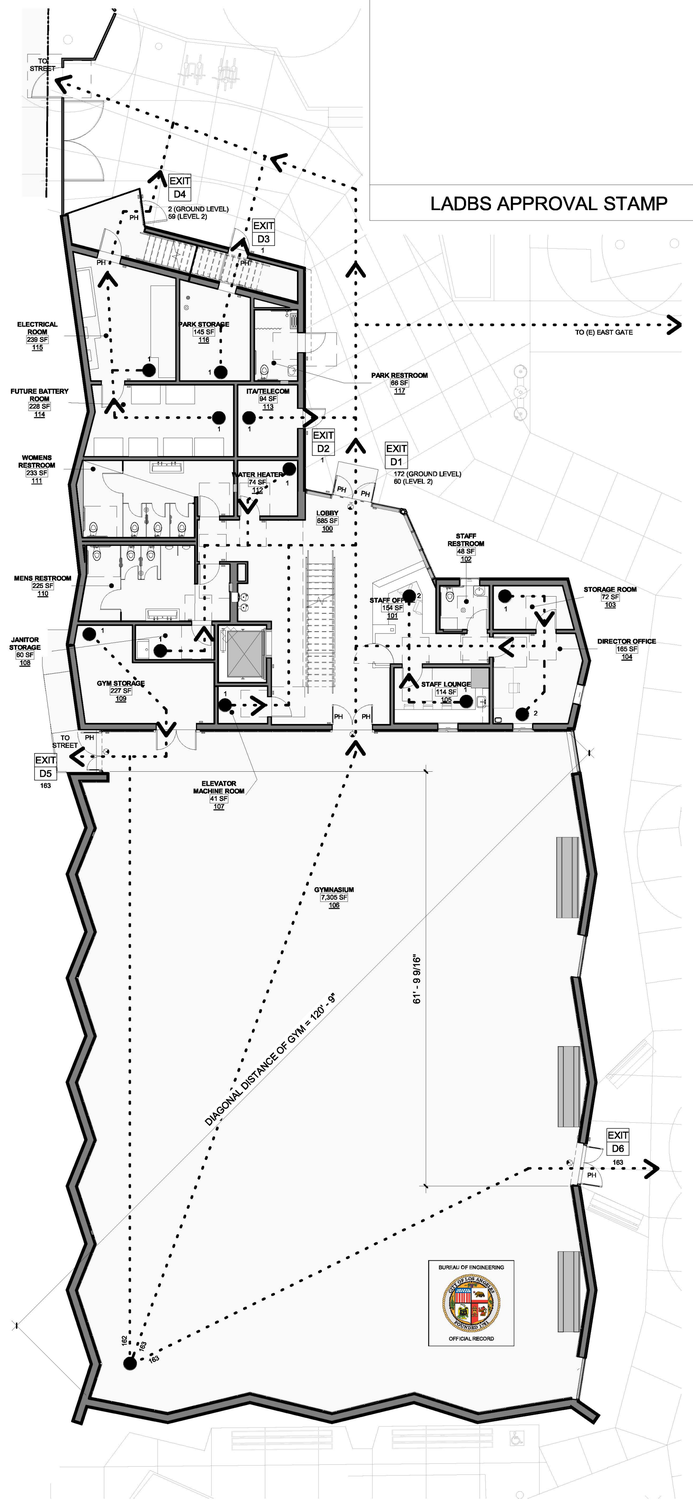
FIXTURES REQUIRED PER CPC TABLE 422.1

FIXTURE TYPE	GROUP A-3	GROUP B	FIXTURES REQUIRED	FIXTURES PROVIDED
SHOWER	-	-	0	1
TOILETS - WOMEN	3: 51-100	1: 1-15	7	7
TOILETS - MEN	1: 1-100	1: 1-50	3	4
URINALS	1: 1-100	1: 1-100	2	2
LAVATORIES - WOMEN	1: 1-100	1: 1-50	2	4
LAVATORIES - MEN	1: 1-200	1: 1-75	2	4
DRINKING FOUNTAIN	1: 1-250	1: 150	2	4
SERVICE SINK OR LAUNDRY TRAY	1	1	1	1

BUILDING PLUMBING FIXTURE CALCULATIONS



3/32" = 1'-0" LEVEL 2 - EGRESS PLAN 2



3/32" = 1'-0" GROUND FLOOR - EGRESS PLAN 1

LADBS APPROVAL STAMP

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BUREAU OF ENGINEERING
CITY OF LOS ANGELES ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
1		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C 12115 Exp. 12.31.23 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: CODE ANALYSIS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A001
SHEET 0 OF SHEETS

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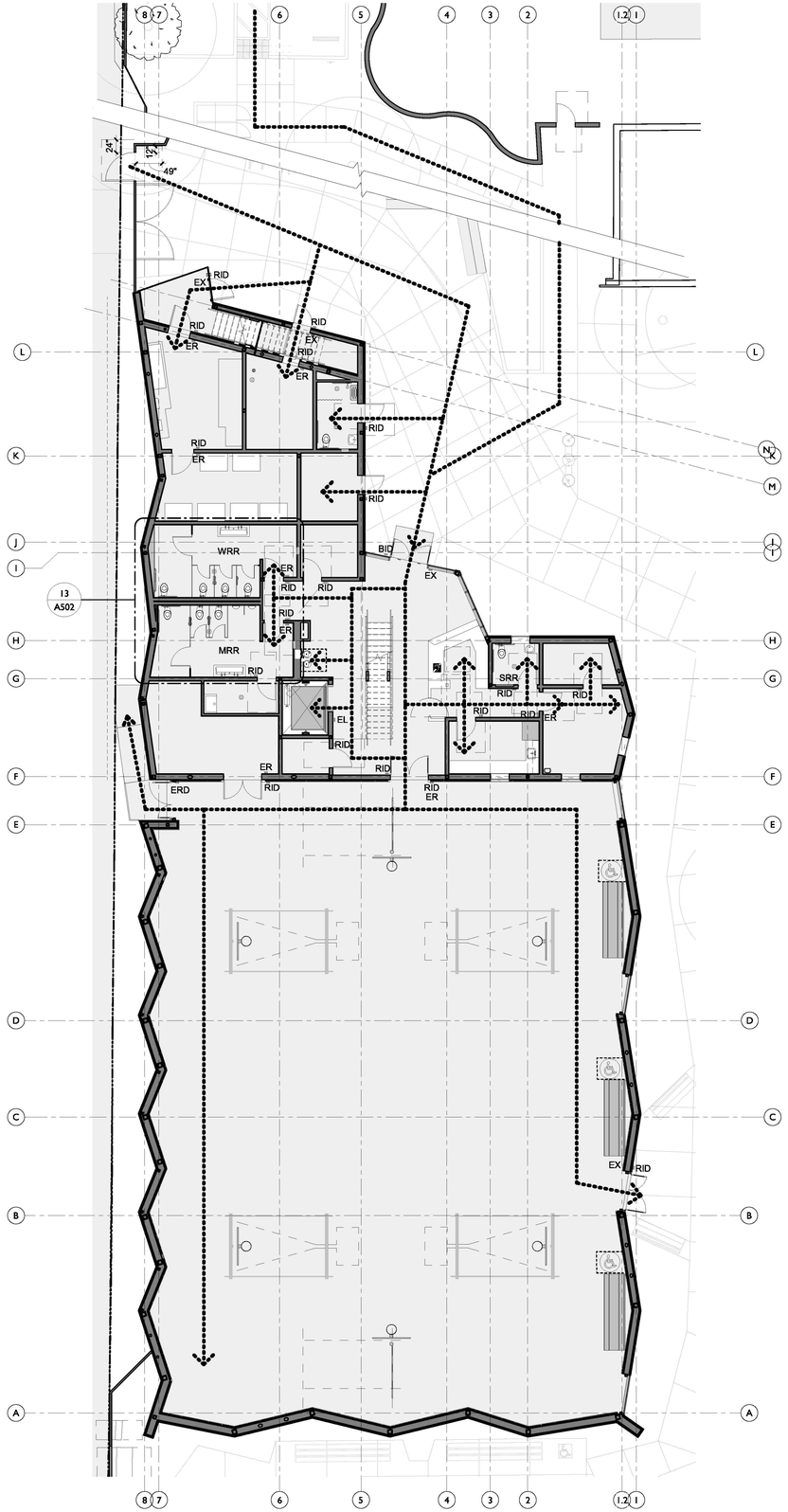
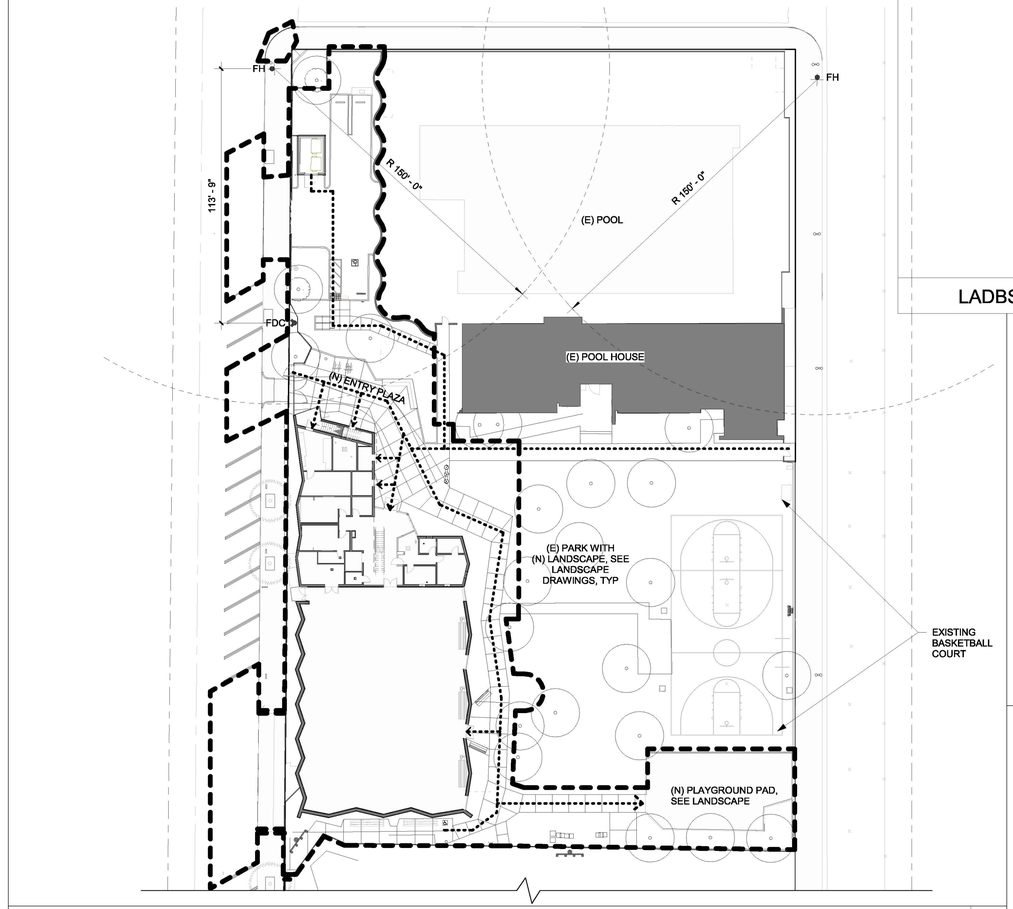
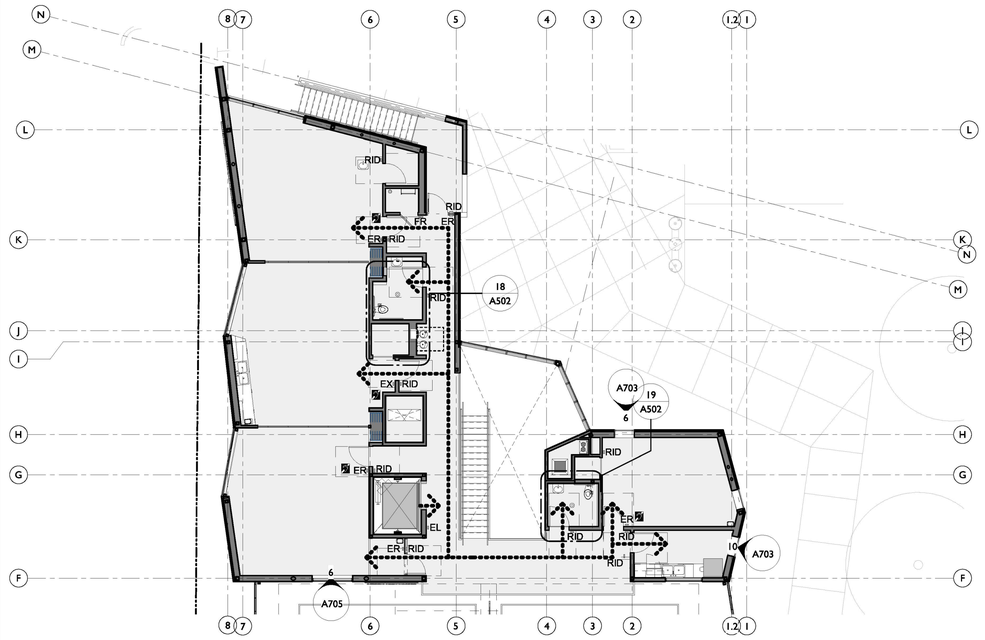


3/32" = 1'-0" ACCESSIBLE PATH OF TRAVEL - FIRST FLOOR PLAN 2



1/32" = 1'-0" ACCESSIBLE PATH OF TRAVEL - SITE PLAN 1



3/32" = 1'-0" ACCESSIBLE PATH OF TRAVEL - SECOND FLOOR PLAN 3

LADBS APPROVAL STAMP

SIGNAGE

SIGN TYPE	DESIGNATION
BID	BUILDING IDENTIFICATION
EL	ELEVATOR
ER	EXIT ROUTE
ERD	EXIT RAMP DOWN
EX	EXIT
FR	FIRE RISER
MRR	MEN RESTROOM
RID	ROOM ID
WRR	WOMEN RESTROOM

BUREAU OF ENGINEERING
OFFICIAL RECORD

FIRE HYDRANT (FH)

FIRE DEPARTMENT CONNECTION (FDC)

ACCESSIBLE PATH OF TRAVEL

SITE LEGEND

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NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. RP-300126

BUILDING NO. -

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

TED ALLEN, P.E.
CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ACCESSIBILTY DIAGRAMS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A002

SHEET 0 OF SHEETS

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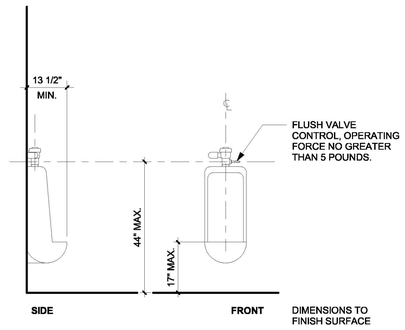


1/2" = 1'-0" URINAL MOUNTING HEIGHTS 10

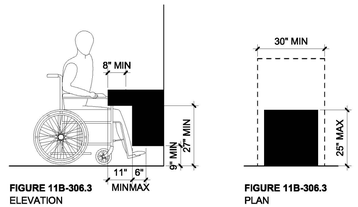


FIGURE 11B-306.3
ELEVATION

FIGURE 11B-306.3
PLAN

3/8" = 1'-0" KNEE & TOE CLEARANCES 8

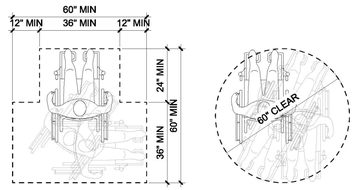


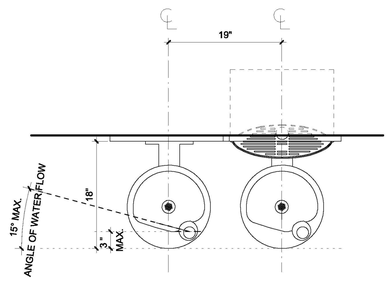
FIGURE 11B-304.3.2
T-SHAPED TURNING SPACE

11B-304.3.1
CIRCULAR TURNING SPACE

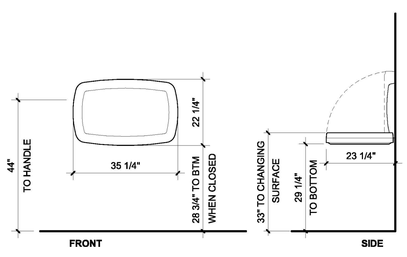
NOTES:
1. NO DOOR SHALL ENCROACH INTO THE CLEAR AREAS BY MORE THAN 12".
2. THE CLEAR AREA SHALL EXTEND FROM FLOOR TO A HEIGHT OF 27".

3/8" = 1'-0" TURNAROUND CLEARANCES 4

LADBS APPROVAL STAMP



1" = 1'-0" DRINKING FOUNTAIN PLAN 13



1/2" = 1'-0" BABY CHANGING STATION 9

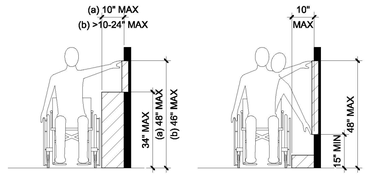


FIGURE 11B-308.3.2
OBSTRUCTED HIGH SIDE REACH

FIGURE 11B-308.3.1
UNOBSTRUCTED SIDE REACH

3/8" = 1'-0" REACH CLEARANCES SIDE 7

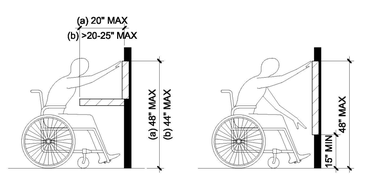
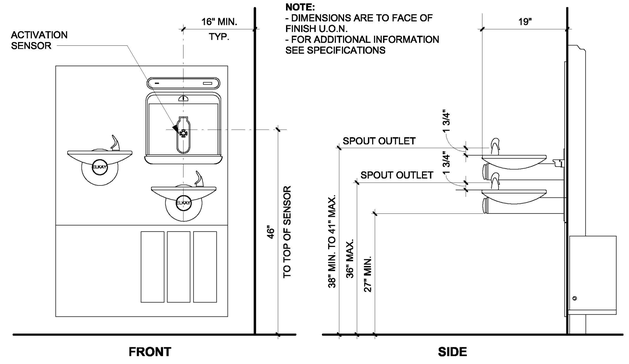


FIGURE 11B-308.2.2
OBSTRUCTED FORWARD REACH

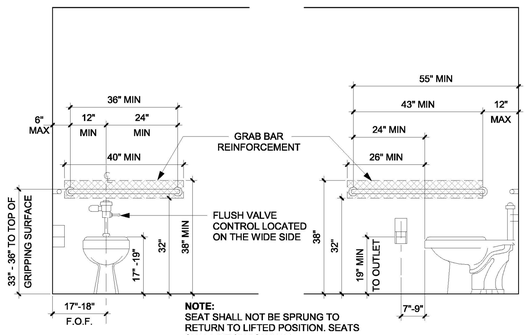
FIGURE 11B-308.2.1
UNOBSTRUCTED FORWARD REACH

3/8" = 1'-0" REACH CLEARANCES FORWARD 3



NOTE:
- DIMENSIONS ARE TO FACE OF FINISH U.O.N.
- FOR ADDITIONAL INFORMATION SEE SPECIFICATIONS

3/4" = 1'-0" DRINKING FOUNTAIN PLAN 12



NOTE:
SEAT SHALL NOT BE SPRUNG TO RETURN TO LIFTED POSITION. SEATS SHALL BE 2" HIGH MAX.

1/2" = 1'-0" GENERAL MOUNTING HEIGHTS 6

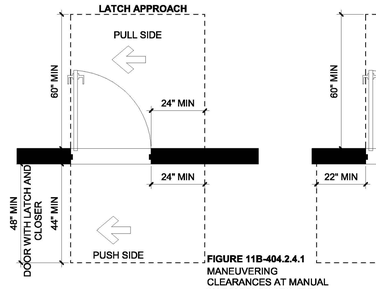
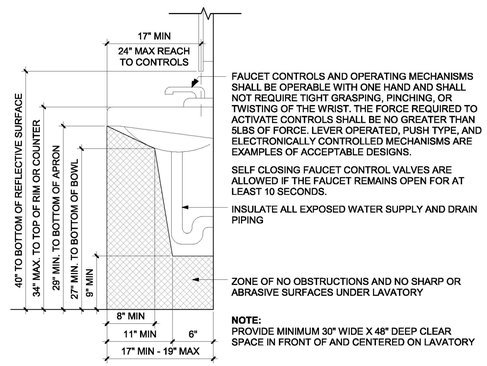


FIGURE 11B-404.2.4.1
MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

3/8" = 1'-0" DOOR CLEARANCES 2



FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5LBS OF FORCE. LEVER OPERATED, PUSH TYPE, AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS.

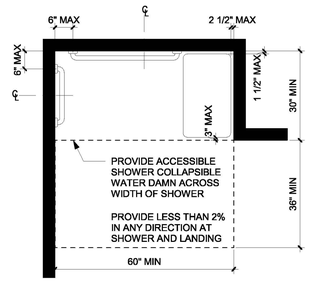
SELF CLOSING FAUCET CONTROL VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.

INSULATE ALL EXPOSED WATER SUPPLY AND DRAIN PIPING

ZONE OF NO OBSTRUCTIONS AND NO SHARP OR ABRASIVE SURFACES UNDER LAVATORY

NOTE:
PROVIDE MINIMUM 30" WIDE X 48" DEEP CLEAR SPACE IN FRONT OF AND CENTERED ON LAVATORY

1" = 1'-0" LAVATORY CLEARANCES 11



SECS. 11B-608, 11B-609, AND 11B-610
STANDARD ROLL-IN TYPE SHOWER COMPARTMENT

1/2" = 1'-0" ROLL-IN SHOWER CLEARANCES 5

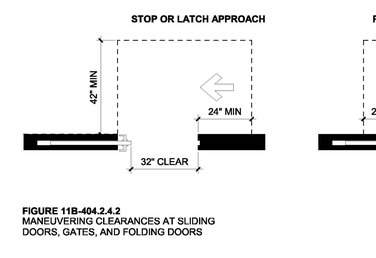


FIGURE 11B-404.2.4.2
MANEUVERING CLEARANCES AT SLIDING DOORS, GATES, AND FOLDING DOORS

3/8" = 1'-0" POCKET DOOR CLEARANCES 1

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CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
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BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ACCESSIBILITY DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A003

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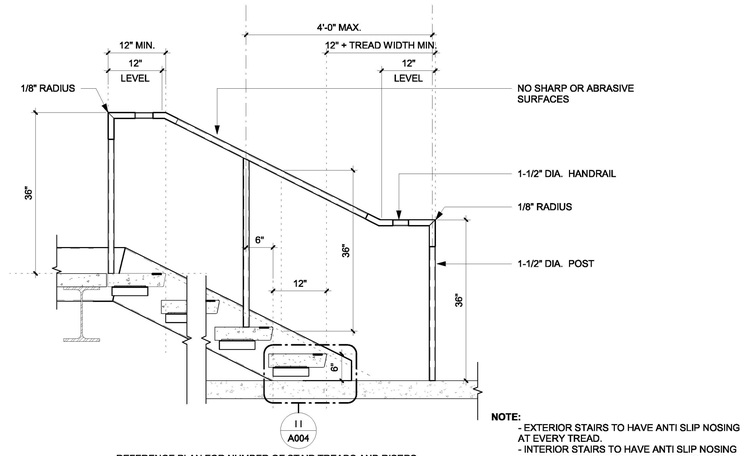
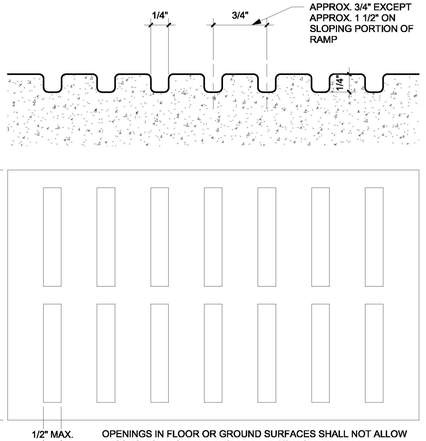


REFERENCE PLAN FOR NUMBER OF STAIR TREADS AND RISERS

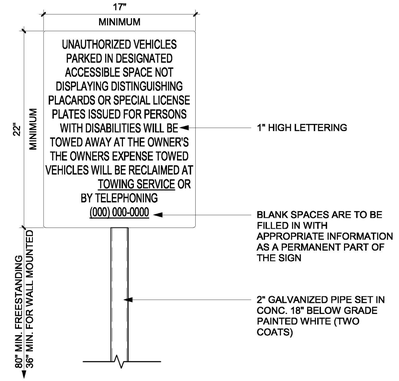
NOTE:
- EXTERIOR STAIRS TO HAVE ANTI SLIP NOSING AT EVERY TREAD.
- INTERIOR STAIRS TO HAVE ANTI SLIP NOSING ONLY AT BOTTOM TREAT AND TOP LANDING

3/4" = 1'-0" STAIR SECTION | 10



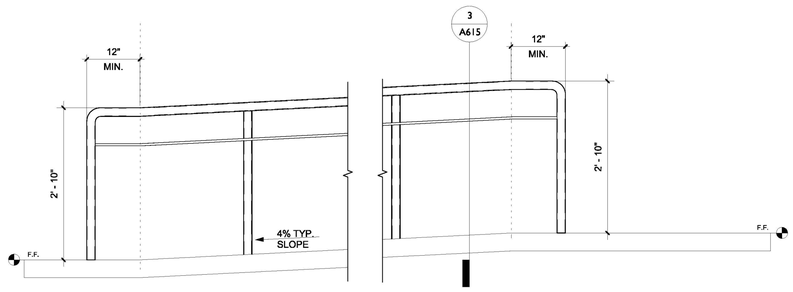
OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2 INCH DIAMETER EXCEPTS AS ALLOWED IN SECTIONS 11B-409.4.3, 11B-410.4, 11B-810.5.3 AND 11B-810.10. ELONGATED OPENING SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL

TYP. ELONGATED OPENING IN FLOOR | 7

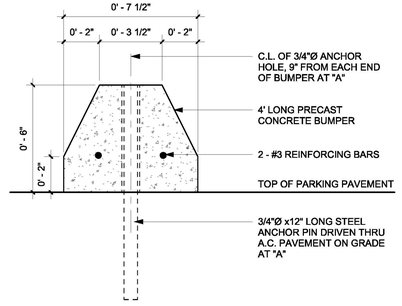


1 1/2" = 1'-0" UNAUTHORIZED VEHICLE SIGN | 4

LADBS APPROVAL STAMP

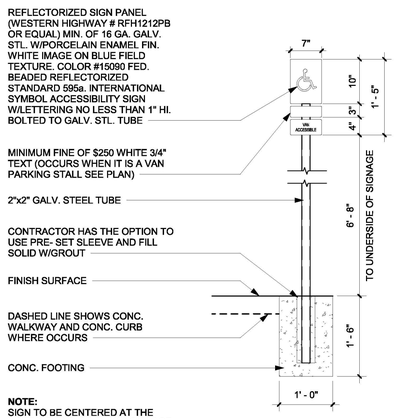


3/4" = 1'-0" RAMP DETAIL | 9



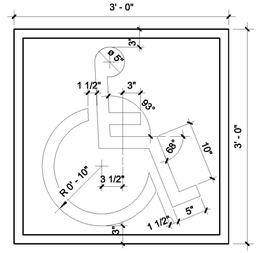
NOTES:
A. INSTALLATION WITH ANCHOR PINS:
WHEN PARKING PAVEMENT IS CONCRETE (EITHER ON GRADE OR SUSPENDED ABOVE GRADE), ANCHOR BUMPER W/ 5/8"Ø x 6 1/2" LONG STEEL PINS DRILLED 1 1/2" INTO CONCRETE AND SET W/EPOXY GLUE INTO CONCRETE AND BUMPER

3" = 1'-0" PRECAST WHEELSTOP | 6



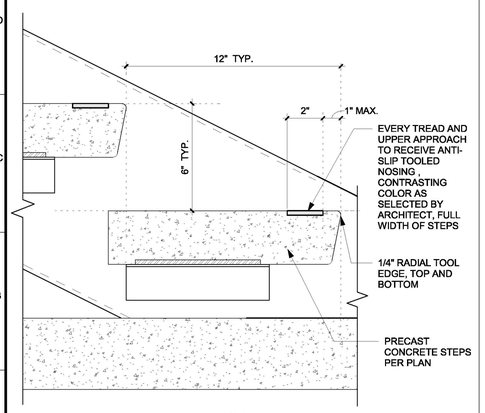
NOTE:
SIGN TO BE CENTERED AT THE INTERIOR END OF PARKING SPACE

3/4" = 1'-0" DISABLED PARKING SIGN | 3



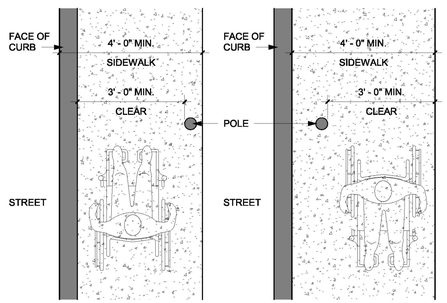
NOTES
1. SYMBOL PAINTED HIGHWAY WHITE (TWO COATS)
2. BACKGROUND PAINTED BLUE OR EQUAL TO COLOR #15090 IN FED. STD. 595A

DISABLED PARKING SYMBOL | 2

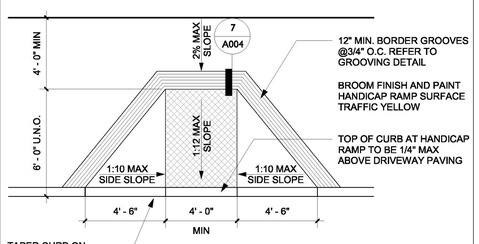


NOTE:
- EXTERIOR STAIRS TO HAVE ANTI SLIP NOSING AT EVERY TREAD.
- INTERIOR STAIRS TO HAVE ANTI SLIP NOSING ONLY AT BOTTOM TREAT AND TOP LANDING

3" = 1'-0" STAIR NOSING | 11

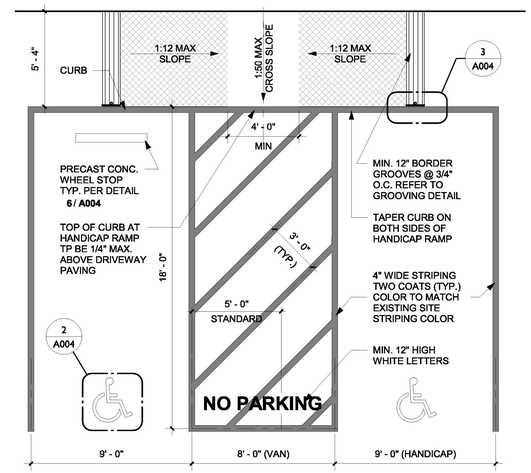


1/2" = 1'-0" SIDEWALK OBSTRUCTIONS | 8



NOTE:
TRUNCATED DOME DETECTABLE WARNING SURFACE IS REQUIRED ON HATCHED PORTION OF THE RAMP

1/4" = 1'-0" CURB RAMP | 5



1/4" = 1'-0" ADA PARKING STALL | 1

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NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

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ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ACCESSIBILITY DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
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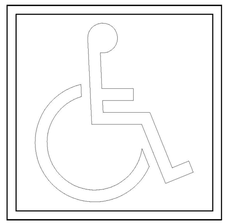
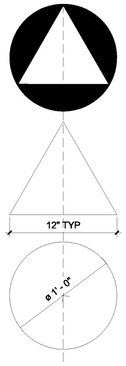


THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1. THE SYMBOL SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE COLOR No.15090 IN FEDERAL STANDARD 595B POST AR ALL ACCESSIBLE ENTRANCES COMPLY WITH ALL ADA REQUIREMENTS FOR SIZE COLOR AND LOCATION

1 1/2" = 1'-0" ENTRY HC SIGN 13



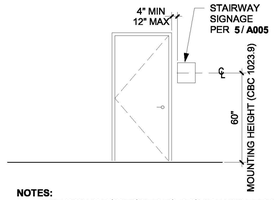
ACCESSIBLE UNISEX FACILITY: 1/4" THICK AND 12" DIAMETER WITH A 1/4" THICK TRIANGLE SUPERIMPOSED ON A CIRCLE AND WITHIN THE 12" DIAMETER. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE CIRCLE SYMBOL. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR

NOTES:
1. COLOR TO CONTRAST WITH THE MOUNTING SURFACE, AND HAVE CONTRASTING (70% MIN.) FEATURES PER ICC/ANSI A117.1
2. MOUNTING LOCATIONS PER **11 / A005**
3. SIGN EDGE SHALL BE ROUNDED 1/4" MIN. OR CHAMFERED 1/8" MAX.

ACCESSIBLE MENS TOILET FACILITY
1/4" THICK EQUILATERAL TRIANGLE

ACCESSIBLE WOMENS TOILET FACILITY 1/4" THICK CIRCLE

1 1/2" = 1'-0" RESTROOM DOOR SIGNAGE 9



NOTES:
1. THE SIGN IS POSITIONED TO PROVIDE UNINTERRUPTED VISIBILITY WHEN THE DOOR IS OPEN OR CLOSED.
2. TACTILE CHARACTERS ON SIGNS TO BE LOCATED 48 INCHES MIN. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAX. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. CBC SEC. 11B-703.4.1

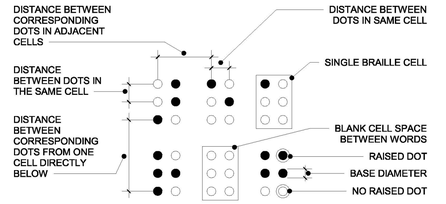
1/4" = 1'-0" STAIRWAY SIGNAGE LOCATION 4

LADBS APPROVAL STAMP

TABLE 11B-703.3.1 BRAILLE DIMENSIONS

MEASUREMENT RANGE	MIN. IN INCHES TO MAX. IN INCHES
DOT BASE DIAMETER	0.059 TO 0.063
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL MEASURED CENTER TO CENTER	0.100
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS MEASURED CENTER TO CENTER	0.300
DOT HEIGHT	0.025 TO 0.037
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW MEASURED CENTER TO CENTER	0.395 TO 0.400

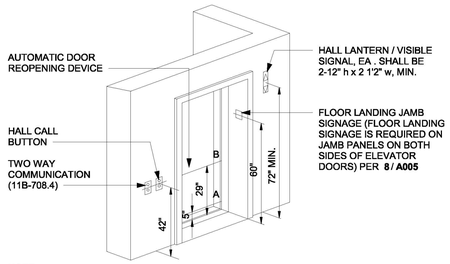
FIGURE 11B-703.3.1 BRAILLE MEASUREMENT



NOTES PER CBC SECTIONS AS FOLLOWS:
1. 11B-703.3 BRAILLE: BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4.
2. 11B-703.3.1 DIMENSIONS AND CAPITALIZATION: BRAILLE DOTS SHALL HAVE A DOMED OR ROUNDED SHAPE AND SHALL COMPLY WITH TABLE 11B-703.3.1. THE INDICATION OF AN UPPERCASE LETTER OR LETTERS SHALL ONLY BE USED BEFORE THE FIRST WORD OF SENTENCES, PROPER NOUNS AND NAMES, INDIVIDUAL LETTER OF THE ALPHABET, INITIALS, AND ACRONYMS.
3. 11B-703.3.2 POSITION: BRAILLE SHALL BE POSITIONED BELOW THE CORRESPONDING TEXT IN A HORIZONTAL FORMAT, FLUSH LEFT OR CENTERED. IF TEXT IS MULTI-LINED, BRAILLE SHALL BE PLACED BELOW THE ENTIRE TEXT. BRAILLE SHALL BE SEPARATED 3/8 INCH MINIMUM AND 1/2 INCH MAXIMUM FROM ANY OTHER TACTILE CHARACTERS AND 3/8 INCH MINIMUM FROM RAISED BORDERS AND DECORATIVE ELEMENTS.

BUREAU OF ENGINEERING OFFICIAL RECORD

1 1/2" = 1'-0" BRAILLE REQUIREMENTS 1



NOTE:
THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE 'A' OR LINE 'B'. LINE 'A' AND LINE 'B' REPRESENT THE VERTICAL LOCATION OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

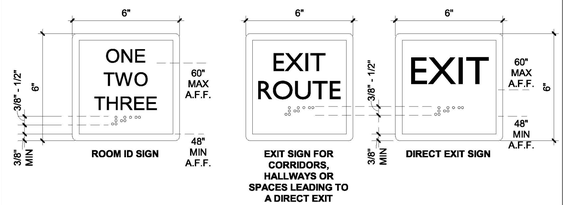
1/4" = 1'-0" SIGNAGE AT ELEVADOR 12



VOLUME CONTROL TELEPHONES

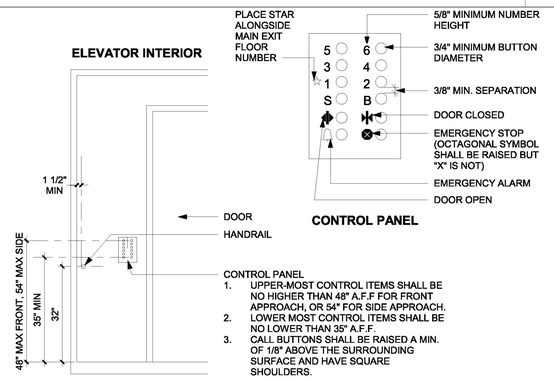
TELEPHONES WITH A VOLUME CONTROL SHALL BE IDENTIFIED BY A PICTOGRAM OF A TELEPHONE HANDSET WITH RADIATING SOUND WAVES ON A SQUARE FIELD SUCH AS SHOWN IN FIGURE 11B-703.7.2.3.

3" = 1'-0" VOLUME CONTROL 7



NOTES:
1. REFER TO CBC SECTIONS 1013.4, 11B-703.1, 11B-703.2, 11B-703.3, AND 11B-703.5 FOR REQUIREMENTS FOR RAISED CHARACTER AND BRAILLE EXIT SIGNS.
2. REFER TO CBC 11B-703 CHARACTER GRAPHIC INFORMATION.
3. REFER TO 11B-703.3 FOR BRAILLE REQUIREMENTS. AND **1 / A005**
4. SIGNAGE PLACEMENT PER **2 / A005**
5. CALIFORNIA CONTRACTED GRADE II BRAILLE TO BE LOCATED DIRECTLY UNDER SIGNAGE INFORMATION

3" = 1'-0" ROOM ID & EXIT SIGNAGE 3



CONTROL PANEL
1. UPPER-MOST CONTROL ITEMS SHALL BE NO HIGHER THAN 48" A.F.F FOR FRONT APPROACH, OR 54" FOR SIDE APPROACH.
2. LOWER MOST CONTROL ITEMS SHALL BE NO LOWER THAN 35" A.F.F.
3. CALL BUTTONS SHALL BE RAISED A MIN. OF 1/8" ABOVE THE SURROUNDING SURFACE AND HAVE SQUARE SHOULDERS.

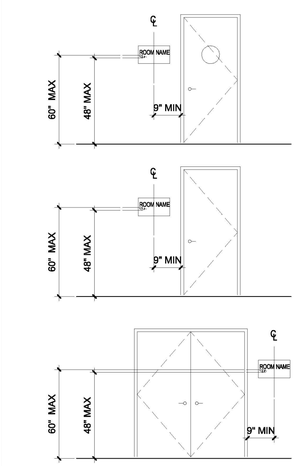
1/2" = 1'-0" CONTROL PANEL LOCATION 10



ASSISTIVE LISTENING SYSTEMS

ASSISTIVE LISTENING SYSTEMS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESS FOR HEARING LOSS COMPLYING WITH FIGURE 11B-703.7.2.4

3" = 1'-0" ASSISTIVE LISTENING SIGN 6



INWARD SWINGING DOORS ONLY: CENTER ON DOOR. SIGN TO BE APPROACHABLE TO A DISTANCE OF 0" WITHOUT ENCOUNTERING OBSTACLES OR STANDING IN THE DOOR SWING

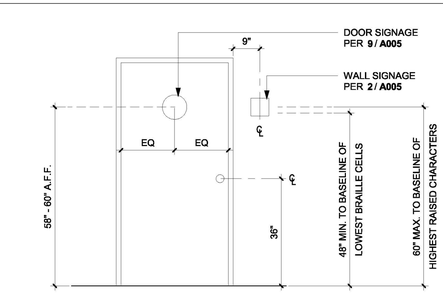
INWARD/OUTWARD SWINGING DOORS: ON WALL ADJACENT TO LATCH SIDE OF DOOR. SIGN TO BE APPROACHABLE TO A DISTANCE OF 0" WITHOUT ENCOUNTERING OBSTACLES OR STANDING IN THE DOOR SWING

DOUBLE DOORS: ON WALL ADJACENT TO DOORS, PREFERABLY TO THE RIGHT OF THE OPENING. SIGN TO BE APPROACHABLE TO A DISTANCE OF 0" WITHOUT ENCOUNTERING OBSTACLES OR STANDING IN THE DOOR SWING. PROVIDE RESTRICTION FOR THIS DOOR TO BE 90 DEGREES MAX

A CLEAR FLOOR SPACE OF 18" X 18" MIN., CENTERED ON THE TACTILE CHARACTERS, SHALL BE PROVIDED BEYOND THE ARC OF ANY DOOR SWINGS BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION

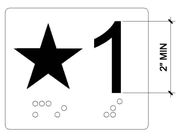
NOTE: TACTILE CHARACTERS ON SIGNS TO BE LOCATED 48 INCHES MIN. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST BRAILLE CELLS AND 60 INCHES MAX. ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST LINE OF RAISED CHARACTERS. CBC SEC. 11B-703.4.1

1/4" = 1'-0" ROOM ID & EXIT SIGNAGE LOCATIONS 2



NOTE:
1. GENDER SPECIFIC GEOMETRIC DOOR SIGNAGE SYMBOLS APPLY ONLY TO MULTI-ACCOMMODATION RESTROOMS.
2. SINGLE USER SIGN STATEMENT AS "UNISEX RESTROOM", "ALL GENDER RESTROOM", "RESTROOM" (TACTILE / BRAILLE COMPLIANT).

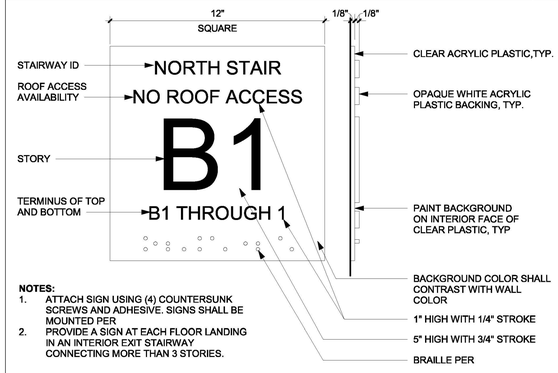
1/2" = 1'-0" DOOR SCHEDULE 11



11B-407.2.3.1 FLOOR DESIGNATION

FLOOR DESIGNATIONS COMPLYING WITH 11B-703.2 AND 11B-703.4.1 SHALL BE PROVIDED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES. FLOOR DESIGNATIONS SHALL BE PROVIDED IN BOTH TACTILE CHARACTERS AND BRAILLE. TACTILE CHARACTERS SHALL BE 2 INCHES HIGH MINIMUM. A TACTILE STAR, PLACED TO THE LEFT OF THE FLOOR DESIGNATION, SHALL BE PROVIDED ON BOTH JAMBS AT THE MAIN ENTRY LEVEL. THE OUTSIDE DIAMETER OF THE STAR SHALL BE 2 INCHES AND ALL POINTS SHALL BE OF EQUAL LENGTH. RAISED CHARACTERS, INCLUDING THE STAR, SHALL BE WHITE ON A BLACK BACKGROUND.

3" = 1'-0" ELEVATOR FLOOR DESIGNATION 8



NOTES:
1. ATTACH SIGN USING (4) COUNTERSUNK SCREWS AND ADHESIVE. SIGNS SHALL BE MOUNTED PER
2. PROVIDE A SIGN AT EACH FLOOR LANDING IN AN INTERIOR EXIT STAIRWAY CONNECTING MORE THAN 3 STORIES.

3" = 1'-0" STAIRWAY SIGNAGE 5

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/18/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C12115 Exp. 12.31.23 STATE OF CALIFORNIA

PUBLIC WORKS
DEPARTMENT OF
CITY OF LOS ANGELES

CITY ENGINEER: TED ALLEN, P.E. DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ACCESSIBILITY DETAILS (SIGNAGE)

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A005
SHEET 0 OF SHEETS

PLOTTED:6/25/2024 2:42:15 PM

1. IN BUILDINGS WITH MULTIPLE ENTRANCES WITH ADJACENT PARKING, ACCESSIBLE PARKING SPACES SHALL BE DISPERSED AND LOCATED CLOSEST TO THE ACCESSIBLE ENTRANCES

2. WHERE SINGLE ACCESSIBLE PARKING SPACES ARE PROVIDED, THEY SHALL BE 14' WIDE AND OUTLINED TO PROVIDE A 9' PARKING AREA AND 5' LOADING AND UNLOADING ACCESS AISLE ON THE PASSENGER SIDE OF THE VEHICLE. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN EACH FIVE FOOT LOADING AND UNLOADING ACCESS AISLES. THIS NOTICE SHALL BE PAINTED IN WHITE LETTERS NOT LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS.

3. WHEN MORE THAN ONE ACCESSIBLE PARKING SPACE IS PROVIDED IN LIEU OF PROVIDING A 14' WIDE SPACE FOR EACH PARKING SPACE, TWO CAN BE PROVIDED WITHIN A 23' WIDE AREA LINED TO PROVIDE A 9' PARKING AREA ON EACH SIDE OF A 5' LOADING AND UNLOADING ACCESS AISLE IN THE CENTER. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE GROUND WITHIN EACH FIVE FOOT LOADING AND UNLOADING ACCESS AISLES. THIS NOTICE SHALL BE PAINTED IN WHITE LETTERS NOT LESS THAN 12 INCHES HIGH AND LOCATED SO THAT IT IS VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS

4. ONE IN EVERY EIGHT ACCESSIBLE SPACES, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESS AISLE 96" WIDE MINIMUM PLACED ON THE SIDE OPPOSITE THE DRIVERS SIDE WHEN THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE AND SHALL BE DESIGNATED VAN ACCESSIBLE. ALL SUCH SPACES MAY BE GROUPED ON ONE LEVEL OF A PARKING STRUCTURE

5. THE MINIMUM LENGTH OF AN ACCESSIBLE PARKING SPACE SHALL BE 18'

6. ACCESSIBLE PARKING SPACES SHALL BE LOCATED SO THAT PERSONS WITH DISABILITIES ARE NOT COMPELLED TO WHEEL OR WALK BEHIND PARKED CARS OTHER THAN THEIR OWN. RAMP SHALL NOT ENCROACH INTO ANY ACCESSIBLE PARKING SPACE OR THE ADJACENT ACCESS AISLE. THE MAXIMUM CROSS SLOPE IN ANY DIRECTION FOR BOTH PARKING SPACE AND ACCESS AISLE SHALL NOT EXCEED 2% SLOPE

7. EACH PARKING SPACE RESERVED FOR PERSONS WITH DISABILITIES SHALL BE IDENTIFIED BY A REFLECTORIZED SIGN PERMANENTLY POSTED IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE CONSISTING OF A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE OR DARK BLUE BACKGROUND. THE SIGN SHALL NOT BE SMALLER THAN 70 SQUARE INCHES IN AREA AND WHEN IN A PATH OF TRAVEL, SHALL BE POSTED AT A MINIMUM HEIGHT OF 80" FROM THE BOTTOM OF THE SIGN TO THE PARKING SPACE FINISHED GRADE.

8. VAN ACCESSIBLE SPACES SHALL HAVE AN ADDITIONAL SIGN STATING "VAN ACCESSIBLE" MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY

9. AN ADDITIONAL SIGN SHALL ALSO BE POSTED , IN A CONSPICUOUS PLACE, AT EACH ENTRANCE OFF STREET PARKING FACILITIES , OR IMMEDIATELY ADJACENT TO AND VISIBLE FROM EACH STALL OR SPACE. THE SIGN SHALL NOT BE LESS THAN 17" X 22" IN SIZE WITH LETTERING NOT LESS THAN 1" IN HEIGHT, WHICH CLEARLY AND CONSPICUOUSLY STATES THE FOLLOWING: "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES MAY BE TOWED AT OWNERS EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT.... OR BY TELEPHONING....

10. THE SURFACE OF EACH ACCESSIBLE PARKING SPACE OR STALL SHALL HAVE SURFACE IDENTIFICATION DUPLICATING EITHER OF THE FOLLOWING SCHEMES:
A. BY OUTLINING OR PAINTING THE STALL OR SPACE IN BLUE AND OUTLINING ON THE GROUND IN THE STALL OR SPACE IN WHITE OR SUITABLE CONTRASTING COLOR A PROFILE VIEW DEPICTING A WHEELCHAIR WITH OCCUPANT
B. BY OUTLINING A PROFILE VIEW OF A WHEELCHAIR WITH OCCUPANT IN WHITE OR BLUE BACKGROUND. THE PROFILE VIEW SHALL BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED IN THE SPACE AND SHALL BE 36"H AND 36"W

11. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2"

12. WALKS AND SIDEWALKS SHALL BE 48" MINIMUM IN WIDTH

13. WALK AND SIDEWALK SURFACES SHALL BE SLIP RESISTANT AS FOLLOWS: A. SURFACES WITH A SLOPE OF LESS THAN 6% GRADIENT , B. SURFACES WITH A SLOPE 6% OR GREATER GRADIENT SHALL BE SLIP RESISTANT

14. WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1 VERTICAL TO 20 HORIZONTAL, IT SHALL COMPLY WITH THE PROVISIONS OF SECTION 1133B.5 AS A PEDESTRIAN RAMP

15. WALK AND SIDEWALK SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4" PER FOOT

16. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES, EXCEPT THAT THE LOWER END OF EACH CURB RAMP SHALL HAVE A 1/2" LIP BEVELED AT 45 DEGREES.

17. THE SURFACE OF EACH RAMP AND ITS FLARED SIDES SHALL BE STABLE, FIRM, AND SLIP RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK.

18. FOR INTERIOR AND EXTERIOR RAMPS, THE TOP LANDING SHALL NOT BE LESS THAN 60" WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60" IN THE DIRECTION OF THE RAMP RUN.

19. ALL ENTRANCES AND ALL GROUND FLOOR EXIT DOORS TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES

20. THE CENTER OF JUNCTION BOX FOR ELECTRICAL AND COMMUNICATION SYSTEM RECEPTACLE OUTLETS SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION MEETING THE CLEARANCES AND REACH RANGE REQUIREMENTS OF SECTION 1118B AND NOT LESS THAN 15" ABOVE THE FLOOR OR WORKING PLATFORMS

21. THE CENTER OF THE GRIP OF OPERATING HANDLE OF CONTROLS OR SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING HEATING AND VENTILATING EQUIPMENT SHALL MEET THE REQUIREMENTS OF PART 2, CALIFORNIA BUILDING CODE, SECTION 1118B, SPACE ALLOWANCE AND REACH RANGES, FOR PERSONS WITH DISABILITIES AND SHALL NOT BE MORE THE 48" ABOVE THE FLOOR OR WORKING PLATFORM

22. THE CENTER OF THE FIRE ALARM INITIATING DEVICES (BOXES) SHALL BE LOCATED 48" ABOVE THE LEVEL OF THE FLOOR , WORKING PLATFORM GROUND SURFACE OR SIDEWALK.

23. WALKS & SIDEWALKS SHALL BE 48" MINIMUM IN WIDTH

24. ALL ENTRANCES AND ALL EXTERIOR GROUND FLOOR EXIT DOORS TO BUILDINGS AND FACILITIES SHALL BE MADE ACCESSIBLE TO PERSONS WITH DISABILITIES..

25. THE FLOOR LANDING SHALL BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY.

26. MAXIMUM EFFORT TO OPERATE EXTERIOR AND INTERIOR DOORS SHALL NOT EXCEED 5 POUNDS, WITH SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANT OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED TO THE MINIMUM ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.

27. GROUND AND FLOOR SURFACES ALONG ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES, INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS, SHALL BE STABLE, FIRM, AND SLIP-RESISTANT.

28. IF CARPET OR CARPET TILE IS USED ON A GROUND OR FLOOR SURFACE, IT SHALL BE SECURELY ATTACHED; HAVE A FIRM CUSHION, PAD OR BACKING OR NO CUSHION OR PAD; AND HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. THE MAXIMUM PILE HEIGHT SHALL BE 1/2". EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND HAVE TRIM ALONG THE ENTIRE LENGTH OF EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 1124B.2

29. STAIRWAYS SHALL HAVE HANDRAILS ON EACH SIDE, AND EVERY STAIRWAY REQUIRED TO BE MORE THAN 88" IN WIDTH SHALL BE PROVIDED WITH NOT LESS THAN ONE INTERMEDIATE HANDRAIL FOR EACH 88" OF REQUIRED WIDTH. INTERMEDIATE HANDRAILS SHALL BE SPACED APPROXIMATELY EQUALLY ACROSS THE ENTIRE WIDTH OF THE STAIRWAY.

A. APPLICATION AND ADMINISTRATION

30. WHEN ALTERATIONS OR ADDITIONS ARE MADE TO EXISTING BUILDINGS OR FACILITIES, AN ACCESSIBLE PATH OF TRAVEL TO THE SPECIFIC AREA OF ALTERATION OR ADDITION SHALL BE PROVIDED UNLESS OTHERWISE EXEMPT. PER 11B-202.4

31. PRIMARY ACCESSIBLE PATH OF TRAVEL SHALL INCLUDE A PRIMARY ENTRANCE TO THE BUILDING OR FACILITY; TOILET AND BATHING FACILITIES SERVING THE AREA; DRINKING FOUNTAINS SERVING THE AREA; PUBLIC TELEPHONES SERVING THE AREA, AND SIGNS. PER 11B-202.4

32. WHEN THE ADJUSTED CONSTRUCTION COST IS LESS THAN OR EQUAL TO THE CURRENT VALUATION THRESHOLD $147,863.00, THE COST OF COMPLIANCE WITH THE PRIMARY ACCESSIBLE PATH OF TRAVEL REQUIREMENTS IS LIMITED TO 20 PERCENT OF THE ADJUSTED CONSTRUCTION COST OF ALTERATIONS, STRUCTURAL REPAIRS OR ADDITIONS PRESENTLY PLANNED AND THOSE DURING THE PRECEDING THREE-YEAR PERIOD. PER 11B-202.4

33. ADJUSTED CONSTRUCTION COST OF ALTERATIONS, STRUCTURAL REPAIRS OR ADDITIONS DOES NOT INCLUDE THE COST OF ALTERATIONS TO PATH OF TRAVEL ELEMENTS. PER 11B-202.4

34. IN CHOOSING WHICH ACCESSIBLE ELEMENTS TO PROVIDE, PRIORITY SHOULD BE GIVEN TO THOSE ELEMENTS THAT WILL PROVIDE THE GREATEST ACCESS IN THE FOLLOWING ORDER: (1) AN ACCESSIBLE ENTRANCE; (2) AN ACCESSIBLE ROUTE TO THE ALTERED AREA; (3) AT LEAST ONE ACCESSIBLE RESTROOM FOR EACH SEX OR A SINGLE ACCESSIBLE UNISEX RESTROOM; (4) ACCESSIBLE TELEPHONES; (5) ACCESSIBLE DRINKING FOUNTAINS; AND (6) WHEN POSSIBLE, ADDITIONAL ACCESSIBLE ELEMENTS SUCH AS PARKING, SIGNS, STORAGE AND ALARMS. PER 11B-202.4

35. ALTERATIONS TO A QUALIFIED HISTORIC BUILDING OR FACILITY SHALL COMPLY WITH CHAPTER 11B UNLESS IT WILL THREATEN OR DESTROY THE HISTORICAL SIGNIFICANCE OR CHARACTER-DEFINING FEATURES OF THE BUILDING OR PROPERTY. IN THOSE CASES, ALTERNATIVE PROVISIONS SHALL BE APPLIED ON AN ITEM-BY ITEM OR CASE-BY-CASE BASIS WITH SUFFICIENT WRITTEN DOCUMENTATION. PER 11B-202.5, SHBC 8-602

36. PUBLIC ACCOMMODATIONS SHALL MAINTAIN IN OPERABLE WORKING CONDITION THOSE FEATURES OF FACILITIES AND EQUIPMENT THAT ARE REQUIRED TO BE ACCESSIBLE TO AND USEABLE BY PERSONS WITH DISABILITIES. ISOLATED OR TEMPORARY INTERRUPTIONS IN SERVICE OR ACCESSIBILITY DUE TO MAINTENANCE OR REPAIRS SHALL BE PERMITTED. PER 11B-108

37. ALL AREAS OF NEWLY DESIGNED AND NEWLY CONSTRUCTED BUILDINGS AND FACILITIES AND ALTERED PORTIONS OF EXISTING BUILDINGS AND FACILITIES SHALL COMPLY WITH THESE REQUIREMENTS. THESE REQUIREMENTS APPLY TO TEMPORARY AND PERMANENT BUILDINGS AND FACILITIES. PER 11B-201

38. EACH EXISTING ELEMENT OR SPACE THAT IS ALTERED SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF DIVISION 2, INCLUDING 11B-202.4 PATH OF TRAVEL REQUIREMENTS UNLESS THE BUILDING OFFICIAL DETERMINES COMPLIANCE WITH APPLICABLE REQUIREMENTS IS TECHNICALLY INFEASIBLE AND THE ALTERATION COMPLIES WITH THE REQUIREMENTS TO THE MAXIMUM EXTENT FEASIBLE OR PROVIDES EQUIVALENT FACILITATION. PER 11B-202.3.
    1. A PRIMARY ENTRANCE TO THE BUILDING
    2. TOILET & BATHING FACILITIES
    3. DRINKING FOUNTAINS
    4. PUBLIC PHONES (NOTE: NO PUBLIC PHONES)
    5. SIGNS

39. ALTERATIONS SHALL NOT DECREASE OR HAVE THE EFFECT OF DECREASING THE ACCESSIBILITY OF A BUILDING OR FACILITY BELOW THE REQUIREMENTS FOR NEW CONSTRUCTION AT THE TIME OF THE ALTERATION. PER 202.3.1

B. BUILDING BLOCKS

40. FLOOR AND GROUND SURFACES SHALL BE STABLE, FIRM, AND SLIP RESISTANT. PER 11B-302.1

41. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL CUT/UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2 INCH MAXIMUM. PER 11B-302.2

42. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF THE EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH 11B-303. CHANGES IN LEVEL. PER 11B-302.2

43. OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2 INCH IN DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION TO TRAVEL. PER 11B-302.2, FIGURE 11B-302.3

CHANGES IN LEVEL

44. VERTICAL CHANGES IN LEVEL FOR FLOOR OR GROUND SURFACES MAYBE 1/4 INCH HIGH MAXIMUM AND WITHOUT EDGE TREATMENT. CHANGES IN LEVEL GREATER THAN 1/4 INCH AND NOT EXCEEDING 1/2 INCH IN HEIGHT SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2. PER 11B-303, FIGURES 11B-303.2 & 11B-303.3

45. CHANGES IN LEVEL GREATER THAN 1/2 INCH IN HEIGHT SHALL BE RAMPED AND SHALL COMPLY WITH THE REQUIREMENTS OF 11B-405 RAMPS OR 11B-406 CURB RAMPS AS APPLICABLE. PER 11B-303

46. ABRUPT CHANGES IN LEVEL EXCEEDING 4 INCHES IN A VERTICAL DIMENSION BETWEEN WALKS, SIDEWALKS OR OTHER PEDESTRIAN WAYS AND ADJACENT SURFACES OR FEATURES SHALL BE IDENTIFIED BY WARNING CURBS AT LEAST 6 INCHES IN HEIGHT ABOVE THE WALK OR SIDEWALK SURFACE OR BY GUARDS OR HANDRAILS WITH A GUIDE RAIL CENTERED 2 INCHES MINIMUM AND 4 INCHES MAXIMUM ABOVE THE SURFACE OF THE WALK OR SIDEWALK. THESE REQUIREMENTS DO NOT APPLY BETWEEN A WALK OR SIDEWALK AND AN ADJACENT STREET OR DRIVEWAY. PER 11B-303.5

TURNING SPACE

47. CIRCULAR TURNING SPACES SHALL BE A SPACE OF 60 INCHES DIAMETER MINIMUM AND MAY INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 11B-306 KNEE AND TOE CLEARANCE. PER 11B-304.3.1

48. TURNING SPACES SHALL MEET THE REQUIREMENTS OF 11B-302 FLOOR OR GROUND SURFACES EXCEPT THAT CHANGES IN LEVEL ARE NOT PERMITTED. TURNING SPACES SHALL BE EITHER CIRCULAR OR T-SHAPED. DOORS MAY SWING INTO TURNING SPACES. PER11B-304.

49. T-SHAPED TURNING SPACES SHALL BE A T-SHAPED SPACE WITHIN A 60 INCH SQUARE MINIMUM WITH ARMS AND BASE 36 INCHES WIDE MINIMUM. EACH ARM OF THE T SHALL BE CLEAR OF OBSTRUCTIONS 12 INCHES MINIMUM IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTIONS 24 INCHES MINIMUM. PER 11B-304.3.2, FIGURE 11B-304.3.2

CLEAR FLOOR OR GROUND SPACE

50. CLEAR FLOOR OR GROUND SPACES SHALL MEET THE REQUIREMENTS OF 11B-302 FLOOR OR GROUND SURFACES AND SHALL NOT HAVE CHANGES IN LEVEL EXCEPT FOR SLOPES NOT STEEPER THAN 1:48 (2.083%). PER 11B-305

51. CLEAR FLOOR OR GROUND SPACE SHALL BE 30 INCHES MINIMUM BY 48 INCHES MINIMUM. 11B-305.3, FIGURE 11B-305.3

52. ONE FULL UNOBSTRUCTED SIDE OF THE CLEAR FLOOR OR GROUND SPACE SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR OR GROUND SPACE. PER 11B-305.6

KNEE AND TOE CLEARANCE

53. FOR LAVATORIES AND BUILT-IN DINING AND WORK SURFACES REQUIRED TO BE ACCESSIBLE, TOE CLEARANCE SHALL BE PROVIDED THAT IS 30 INCHES IN WIDTH AND 9 INCHES IN HEIGHT ABOVE FINISH FLOOR OR GROUND FOR A DEPTH OF 19 INCHES MINIMUM.

54. TOE CLEARANCE SHALL EXTEND 19 INCHES MAXIMUM UNDER LAVATORIES FOR TOILET AND BATHING FACILITIES AND 25 INCHES MAXIMUM UNDER OTHER ELEMENTS. PER 11B-306.2

55. AT LAVATORIES IN TOILET AND BATHING FACILITIES, KNEE CLEARANCE SHALL BE PROVIDED THAT IS 30 INCHES IN WIDTH FOR A DEPTH OF 11 INCHES AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND AND FOR A DEPTH OF 8 INCHES AT 27 INCHES ABOVE THE FINISH FLOOR OR GROUND INCREASING TO 29 INCHES HIGH MINIMUM ABOVE THE FINISH FLOOR OR GROUND AT THE FRONT EDGE OF A COUNTER WITH A BUILT-IN LAVATORY OR AT THE FRONT EDGE OF A WALL-MOUNTED LAVATORY FIXTURE. PER 11B-306.3.3, FIGURE 11B-306.3(C)

56. AT DINING AND WORK SURFACES REQUIRED TO BE ACCESSIBLE, KNEE CLEARANCE SHALL BE PROVIDED THAT IS 30 INCHES IN WIDTH AT 27 INCHES ABOVE THE FINISH FLOOR OR GROUND FOR A DEPTH OF AT LEAST 19 INCHES. PER 11B-306.3

57. FOR ELEMENTS REQUIRED TO PROVIDE KNEE CLEARANCE EXCEPT LAVATORIES IN TOILET AND BATHING FACILITIES AND DINING AND WORK SURFACES, KNEE CLEARANCE SHALL BE PROVIDED THAT IS 30 INCHES IN WIDTH FOR A DEPTH OF 11 INCHES AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND AND FOR A DEPTH OF 8 INCHES AT 27 INCHES ABOVE THE FINISH FLOOR OR GROUND. PER 11B-306.3, FIGURE 11B-306.3(A)

58. KNEE CLEARANCE SHALL EXTEND 25 INCHES MAXIMUM UNDER AN ELEMENT AT 9 INCHES ABOVE THE FINISH FLOOR OR GROUND. PER 11B-306.3.2

PROTRUDING OBJECTS

59. EXCEPT FOR HANDRAILS, OBJECTS WITH LEADING EDGES MORE THAN 27 INCHES AND LESS THAN 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE NO MORE THAN 4 INCHES HORIZONTALLY INTO THE CIRCULATION PATH. HANDRAILS MAY PROTRUDE 4½ INCHES MAXIMUM. PER 11B-307.2, FIGURE 11B-307.2

60. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLONS SHALL OVERHANG CIRCULATION PATHS NO MORE THAN 12 INCHES WHEN LOCATED FROM 27 TO 80 INCHES ABOVE THE FINISH FLOOR OR GROUND. PER11B-307.3, FIGURE 11B-307.3(A)

61. PROTRUDING OBJECTS SHALL NOT REDUCE THE CLEAR WIDTH REQUIRED FOR ACCESSIBLE ROUTES. PER11B-307.5

62. LOWEST EDGE OF A SIGN OTHER OBSTRUCTION, WHEN MOUNTED BETWEEN POSTS OR PYLONS SEPARATED WITH A CLEAR DISTANCE GREATER THAN 12 INCHES, SHALL BE LESS THAN 27 INCHES OR MORE THAN 80 INCHES ABOVE THE FINISH FLOOR OR GROUND. PER11B-307.3, FIGURE 307.3(B)

63. EDGE OF SIGNS OR OTHER OBJECTS, WHEN MOUNTED ON POSTS OR PYLONS WITH THEIR BOTTOM EDGES LESS THAN 80 INCHES ABOVE THE FLOOR OR GROUND SURFACE, SHALL BE ROUNDED OR EASED AND THE CORNERS SHALL HAVE MINIMUM RADIUS OF 1/8 INCH. PER 11B-307.3.1

64. VERTICAL CLEARANCE SHALL BE AT LEAST 80 INCHES HIGH ON CIRCULATION PATHS EXCEPT AT DOOR CLOSERS AND DOOR STOPS, WHICH MAY BE 78 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. PER 11B-307.4

65. GUARDRAILS OR OTHER BARRIERS WITH A LEADING EDGE LOCATED 27 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE ON CIRCULATION PATHS IS LESS THAN 80 INCHES HIGH. PER 11B-307., FIGURE 11B-307.4.

66. WHERE A GUY SUPPORT IS USED WITHIN EITHER THE WIDTH OF A CIRCULATION PATH OR 24 INCHES MAXIMUM OUTSIDE OF A CIRCULATION PATH, A VERTICAL GUY BRACE, SIDEWALK GUY OR SIMILAR DEVICE SHALL BE USED TO PREVENT A HAZARD OR AN OVERHEAD OBSTRUCTION. PER 11B-307.4.1, FIGURE 11B-307.4.1

REACH RANGES

67. ELECTRICAL CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE LOCATED WITHIN ALLOWABLE REACH RANGES. LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. PER 11B-308.1.1

68. ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUITS OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE LOCATED WITHIN ALLOWABLE REACH RANGES. LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX PER 11B-308.1.2

69. HIGH FORWARD REACH THAT IS UNOBSTRUCTED SHALL BE 48 INCHES MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND. PER 11B-308.2.1, FIGURE 11B-308.2.1

70. HIGH FORWARD REACH SHALL BE 48 INCHES MAXIMUM WHERE THE REACH DEPTH IS 20 INCHES OR LESS AND 44 INCHES MAXIMUM WHERE THE REACH DEPTH EXCEEDS 20 INCHES. HIGH FORWARD REACH SHALL NOT EXCEED 25 INCHES IN DEPTH. PER 11B-308.2.2, FIGURE 11B-308.2.2

71. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. PER 11B-308.2.2

72. HIGH SIDE REACH SHALL BE 48 INCHES MAXIMUM AND THE LOW SIDE REACH SHALL BE 15 INCHES MINIMUM ABOVE THE FINISH FLOOR WHERE THE SIDE REACH IS UNOBSTRUCTED OR THE DEPTH OF ANY OBSTRUCTION DOES NOT EXCEED 10 INCHES. PER 11B-308.3.1, FIGURE 11B-308.3.1

73. HIGH SIDE REACH SHALL BE 46 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND WHERE THE HIGH SIDE REACH IS OVER AND OBSTRUCTION MORE THAN 10 INCHES BUT NOT MORE THAN 24 INCHES IN DEPTH. PER 11B-308.3.2, FIGURE 11B-308.3.2

74. OBSTRUCTIONS FOR HIGH SIDE REACH SHALL NOT EXCEED 34 INCHES IN HEIGHT AND 24 INCHES IN DEPTH. PER 11B-308.3.2, FIGURE 11B-308.3.2

75. OBSTRUCTED HIGH SIDE REACH FOR THE TOP OF WASHING MACHINES AND CLOTHES DRYERS SHALL BE PERMITTED TO BE 36 INCHES MAXIMUM ABOVE THE FINISH FLOOR. PER 11B-308.3.2

76. OBSTRUCTED HIGH SIDE REACH FOR THE OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54 INCHES MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS. PER 11B-308.3.2

OPERABLE PARTS

77. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM. PER 11B-309.4

C. ACCESSIBLE ROUTES

GENERAL

78. AT LEAST ONE ACCESSIBLE ROUTE SHALL BE PROVIDED WITHIN THE SITE FROM ACCESSIBLE PARKING SPACES AND ACCESSIBLE PASSENGER LOADING ZONES; PUBLIC STREETS AND SIDEWALKS; AND PUBLIC TRANSPORTATION STOPS TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE. WHERE MORE THAN ONE ROUTE IS PROVIDED, ALL ROUTES MUST BE ACCESSIBLE. PER 11B-206.2.1 (SEE EXCEPTIONS)

79. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE. PER 11B-206.2.2 (SEE EXCEPTION)

80. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT EACH STORY AND MEZZANINE IN MULTI-STORY BUILDINGS AND FACILITIES. PER11B-206.2.3 (SEE EXCEPTIONS)

81. IN NEW CONSTRUCTION OF BUILDINGS WHERE ELEVATORS ARE REQUIRED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES, AND WHICH EXCEED 10,000 SQUARE FEET ON ANY FLOOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH STAIR AND EACH ESCALATOR. PER 11B-206.2.3.2

82. IN EXISTING BUILDINGS THAT EXCEED 10,000 SQUARE FEET ON ANY FLOOR AND IN WHICH ELEVATORS ARE REQUIRED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES, WHENEVER A NEWLY CONSTRUCTED MEANS OF VERTICAL ACCESS IS PROVIDED VIA STAIRS OR AN ESCALATOR, AN ACCESSIBLE MEANS OF VERTICAL ACCESS VIA RAMP, ELEVATOR OR LIFT SHALL BE PROVIDED WITHIN 200 FEET OF TRAVEL OF EACH NEW STAIR OR ESCALATOR. PER 11B-206.2.3.2

83. AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDING OR FACILITY ENTRANCES WITH ALL ACCESSIBLE SPACES AND ELEMENTS WITHIN THE BUILDING OR FACILITY, INCLUDING MEZZANINES, WHICH ARE OTHERWISE CONNECTED BY A CIRCULATION PATH. PER 11B-206.2.4 (SEE EXCEPTIONS 1 THROUGH 7)

84. ACCESSIBLE ROUTES SHALL COINCIDE WITH OR BE LOCATED IN THE SAME ARE AS GENERAL CIRCULATION PATHS. WHERE CIRCULATION PATHS ARE INTERIOR, REQUIRED ACCESSIBLE ROUTES SHALL ALSO BE INTERIOR; AN ACCESSIBLE ROUTE SHALL NOT PASS THROUGH KITCHENS, STORAGE ROOMS, RESTROOMS, CLOSETS OR OTHER SPACES USED FOR SIMILAR PURPOSES, EXCEPT AS PERMITTED BY CHAPTER 10. PER 11B-206.3.

EMPLOYEE WORKSTATIONS

85. EMPLOYEE WORKSTATIONS SHALL BE ON AN ACCESSIBLE ROUTE COMPLYING WITH DIVISION 4. SPACES AND ELEMENTS WITHIN EMPLOYEE WORKSTATIONS SHALL ONLY BE REQUIRED TO COMPLY WITH SECTIONS 11B-207.1, 11B-215.3, 11B-302, 11B-303, AND 11B-404.2.3. COMMON USE CIRCULATION PATHS WITHIN EMPLOYEE WORKSTATIONS SHALL COMPLY WITH SECTION 11B-206.2.8. PER 11B-203.9

DETECTABLE WARNINGS AND DETECTABLE DIRECTIONAL TEXTURE

86. CURB RAMPS SHALL HAVE DETECTABLE WARNINGS THAT EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL FOR THE FULL WIDTH OF THE RAMP RUN LESS THAN 2 INCHES MAXIMUM ON EACH SIDE, EXCLUDING ANY FLARED SIDES. PER 11B-247.1.2.2,11B-705.1.2.2

87. ON PERPENDICULAR CURB RAMPS, DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 TO 8 INCHES FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER, STREET OR HIGHWAY. PER 11B-247.1.2.2, 11B-705.1.2.2

88. ON PARALLEL CURB RAMPS, DETECTABLE WARNINGS SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK LESS THAN 2 INCHES MAXIMUM ON EACH SIDE PER 11B-247.1.2.2, 11B-705.1.2.2, FIGURE 11B-406.3.2

89. ISLANDS OR CUT-THROUGH MEDIANS 96 INCHES OR LONGER IN LENGTH IN THE DIRECTION OF PEDESTRIAN TRAVEL SHALL HAVE DETECTABLE WARNINGS THAT ARE 36 INCHES MINIMUM IN DEPTH EXTENDING THE FULL WIDTH OF THE PEDESTRIAN PATH OR CUT-THROUGH LESS THAN 2 INCHES MAXIMUM ON EACH SIDE, PLACED AT THE EDGES OF THE P

ENTRANCES

95. ENTRANCES SHALL BE PROVIDED IN ACCORDANCE WITH 11B-206.4 ENTRANCES. ENTRANCE DOORS, DOORWAYS, AND GATES SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES AND SHALL BE ON AN ACCESSIBLE ROUTE COMPLYING WITH 11B-402 ACCESSIBLE ROUTES; (SEE EXCEPTIONS). PER 11B-206.4

96. ALL ENTRANCES AND EXTERIOR GROUND-FLOOR EXITS TO BUILDINGS AND FACILITIES SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. PER 11B-206.4.1

97. WHERE DIRECT ACCESS IS PROVIDED FOR PEDESTRIANS FROM A PARKING STRUCTURE TO A BUILDING OR FACILITY ENTRANCE, EACH DIRECT ACCESS TO THE BUILDING OR FACILITY ENTRANCE SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. PER 11B-206.4.2

98. DIRECT CONNECTIONS TO OTHER FACILITIES SHALL PROVIDE AN ACCESSIBLE ROUTE COMPLYING WITH 11B-404 DOORS, DOORWAYS, AND GATES FROM THE POINT OF CONNECTION TO BOARDING PLATFORMS AND ALL TRANSPORTATION SYSTEM ELEMENTS REQUIRED TO BE ACCESSIBLE. ANY ELEMENTS PROVIDED TO FACILITATE FUTURE DIRECT CONNECTIONS SHALL BE ON AN ACCESSIBLE ROUTE CONNECTING BOARDING PLATFORMS AND ALL TRANSPORTATION SYSTEM ELEMENTS REQUIRED TO BE ACCESSIBLE. PER 11B-206.4.4.2 (SEE EXCEPTION)

TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTES

99. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20 (5%), DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS. PER 11B-402.2

100. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48 (2.083%). PER 11B-403.3

101. EXCEPT AT TURNS OR PASSING SPACES, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36 INCHES MINIMUM. PER 11B-403.5.1

102. THE CLEAR WIDTH FOR WALKING SURFACES IN CORRIDORS SERVING AN OCCUPANT LOAD OF 10 OR MORE SHALL BE 44 INCHES MINIMUM. PER 11B-403.5.1 EXCEPTION 2

103. THE CLEAR WIDTH FOR SIDEWALKS AND WALKS SHALL BE 48 INCHES MINIMUM. PER 11B-403.5.1 EXCEPTION 3

104. THE CLEAR WIDTH FOR AISLES SHALL BE 36 INCHES MINIMUM IF SERVING ELEMENTS ON ONLY ONE SIDE, AND 44 INCHES MINIMUM IF SERVING ELEMENTS ON BOTH SIDES. PER 11B-403.5.1 EXCEPTION 4

105. THE CLEAR WIDTH FOR ACCESSIBLE ROUTES TO ACCESSIBLE TOILET COMPARTMENTS SHALL BE 44 INCHES EXCEPT FOR DOOR OPENING WIDTHS AND DOOR SWINGS. PER 11B-403.5.1 EXCEPTION 5

DOORS, DOORWAYS, AND GATES

106. DOORS, DOORWAYS, AND GATES PROVIDING USER PASSAGE SHALL BE PROVIDED IN ACCORDANCE WITH 11B-206.5 DOORS, DOORWAYS, AND GATES. PER 11B-206.5

107. DOORS, DOORWAYS AND GATES THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH 11B-404 DOORS, DOORWAYS, AND GATES. PER 11B-404.1

108. REVOLVING DOORS, REVOLVING GATES, AND TURNSTILES SHALL NOT BE PART OF AN ACCESSIBLE ROUTE. PER 11B-402.2.1

109. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 11B-404.2.3 CLEAR WIDTH AND 11B-404.2.4 MANEUVERING CLEARANCES. PER 11B-404.2.2

110. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32 INCHES MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24 INCHES DEEP SHALL PROVIDE A CLEAR OPENING OF 36 INCHES MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34 INCHES ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34 INCHES AND 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SHALL NOT EXCEED 4 INCHES. PER 11B-404.2.3

111. MINIMUM MANEUVERING CLEARANCES AT DOORS AND GATES SHALL COMPLY WITH 11B-404.2.4 MANEUVERING CLEARANCES. MANEUVERING CLEARANCES SHALL EXTEND THE FULL WIDTH OF THE DOORWAY AND THE REQUIRED LATCH SIDE OR HINGE SIDE CLEARANCE. PER 11B-404.2.4

112. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.1. PER 11B-404.2.4.1

113. DOORWAYS LESS THAN 36 INCHES WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 11B-404.2.4.2. PER 11B-404.2.4.2

114. MANEUVERING CLEARANCES FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18 INCHES OF THE LATCH SIDE AN INTERIOR DOORWAY, OR WITHIN 24 INCHES OF THE LATCH SIDE OF AN EXTERIOR DOORWAY, PROJECTS MORE THAN 8 INCHES BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE. PER 11B-404.2.4.3

115. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE ½ INCH HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES AND 11B-303 CHANGES IN LEVEL. PER 11B-404.2.5.

116. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 11B-309.4 OPERATION. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES. PER 11B-404.2.7

117. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS SHALL BE AS FOLLOWS: PER 11B-404.2.9
    A. INTERIOR HINGED DOORS AND GATES: 5 POUNDS MAXIMUM.
    B. SLIDING OR FOLDING DOORS: 5 POUNDS MAXIMUM.
    C. REQUIRED FIRE DOORS: THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY, NOT TO EXCEED 15 POUNDS.
    D. EXTERIOR HINGED DOORS: 5 POUNDS MAXIMUM.

118. SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE FINISH FLOOR OR GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16 INCH OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. PER 11B-404.2.10

RAMPS

119. PROVIDE RAMP DETAILS, INCLUDING SLOPE, LANDINGS, AND HANDRAILS.

120. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8.33%). PER 11B-405.2

121. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48 (2.083%). PER 11B-405.3

122. FLOOR OR GROUND SURFACES OF RAMP RUNS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES. CHANGES IN LEVEL OTHER THAN THE RUNNING SLOPE AND CROSS SLOPE ARE NOT PERMITTED ON RAMP RUNS. PER 11B-405.4

123. THE CLEAR WIDTH OF A RAMP RUN SHALL BE 48 INCHES MINIMUM. PER 11B-405.5

124. THE RISE FOR ANY RAMP RUN SHALL BE 30 INCHES MAXIMUM. PER 11B-405.6

125. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. PER 11B-405.7

126. LANDINGS SHALL COMPLY WITH 11B-302 FLOOR OR GROUND SURFACES. CHANGES IN LEVEL ARE NOT PERMITTED. PER 11B-405.7.1

127. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING. PER 11B-405.7.2

128. TOP LANDINGS SHALL BE 60 INCHES WIDE MINIMUM. PER 11B-405.7.2.1

129. THE LANDING CLEAR LENGTH SHALL BE 60 INCHES LONG MINIMUM. PER 11B-405.7.3

130. BOTTOM LANDINGS SHALL EXTEND 72 INCHES MINIMUM IN THE DIRECTION OF RAMP RUN. PER 11B-405.7.3.1

131. RAMPS THAT CHANGE DIRECTION BETWEEN RUNS AT LANDINGS SHALL HAVE A CLEAR LANDING 60 INCHES MINIMUM BY 72 INCHES MINIMUM IN THE DIRECTION OF DOWNWARD TRAVEL FROM THE UPPER RAMP RUN. PER 11B-405.7.4

132. WHERE DOORWAYS ARE LOCATED ADJACENT TO A RAMP LANDING, MANEUVERING CLEARANCES REQUIRED BY 11B-404.2.4 AND 11B-404.3.2 SHALL BE PERMITTED TO OVERLAP THE REQUIRED LANDING AREA. DOORS, WHEN FULLY OPEN, SHALL NOT REDUCE THE REQUIRED RAMP LANDING WIDTH BY MORE THAN 3 INCHES. DOORS, IN ANY POSITION, SHALL NOT REDUCE THE MINIMUM DIMENSION OF THE RAMP LANDING TO LESS THAN 42 INCHES. PER 11B-405.7.5

133. RAMP RUNS SHALL HAVE COMPLIANT HANDRAILS PER 11B-505 HANDRAILS. PER 11B-405.8

134. EDGE PROTECTION COMPLYING WITH 11B-405.9.2 CURB OR BARRIER SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS. PER 11B-405.9 (SEE EXCEPTIONS)

135. A CURB, 2 INCHES HIGH MINIMUM, OR BARRIER SHALL BE PROVIDED THAT PREVENTS THE PASSAGE OF A 4 INCH DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4 INCHES OF THE FINISH FLOOR OR GROUND SURFACE. TO PREVENT WHEEL ENTRAPMENT, THE CURB OR BARRIER SHALL PROVIDE A CONTINUOUS AND UNINTERRUPTED BARRIER ALONG THE LENGTH OF THE RAMP. PER 11B-405.9.2

136. LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER. PER 11B-405.10

HANDRAILS

137. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS. PER 11B-505.2

138. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCHBACK OR DOGLEG STAIRS AND RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS. PER 11B-505.3

139. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34 INCHES MINIMUM AND 38 INCHES MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSING, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. PER 11B-505.4

140. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1½ INCHES MINIMUM. HANDRAILS MAY BE LOCATED IN A RECESS IF THE RECESS IS 3 INCHES MAXIMUM DEEP AND 18 INCHES MINIMUM CLEAR ABOVE THE TOP OF THE HANDRAIL. PER 11B-505.5

141. HANDRAIL GRIPPING SURFACES SHALL BE CONTINUOUS ALONG THEIR LENGTH AND SHALL NOT BE OBSTRUCTED ALONG THEIR TOP OR SIDES. THE BOTTOMS OF HANDRAIL GRIPPING SURFACES SHALL NOT BE OBSTRUCTED FOR MORE THAN 20 PERCENT OF THEIR LENGTH. WHERE PROVIDED, HORIZONTAL PROJECTIONS SHALL OCCUR 1½ INCHES MINIMUM BELOW THE BOTTOM OF THE HANDRAIL GRIPPING SURFACE. PER 11B-505.6

142A. HANDRAIL GRIPPING SURFACES WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF 1¼ INCHES MINIMUM AND 2 INCHES MAXIMUM. PER 11B-505.7.1

142B. HANDRAIL GRIPPING SURFACES WITH A NON-CIRCULAR CROSS SECTION SHALL HAVE A PERIMETER DIMENSION OF 4 INCHES MINIMUM AND 61/4 INCHES MAXIMUM, AND A CROSS-SECTION DIMENSION 21/4 INCHES MAXIMUM. PER 11B-505.8

143. HANDRAIL GRIPPING SURFACES AND ANY SURFACES ADJACENT TO THEM SHALL BE FREE OF SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUND EDGES. PER 11B-505.8

144. HANDRAIL SHALL NOT ROTATE WITHIN THEIR FITTINGS. PER 11B-505.9

145. HANDRAIL GRIPPING SURFACES SHALL EXTEND BEYOND AND IN THE SAME DIRECTION OF STAIR FLIGHTS AND RAMP RUNS IN ACCORDANCE WITH SECTION 11B-505.10 HANDRAIL EXTENSIONS. PER 11B-505.10

146. IN ALTERATIONS, WHERE THE EXTENSION OF THE HANDRAIL IN THE DIRECTION OF STAIR FLIGHT OR RAMP RUN WOULD CREATE A HAZARD, THE EXTENSION OF THE HANDRAIL MAY BE TURNED 90 DEGREES FROM THE DIRECTION OF STAIR FLIGHT OR RAMP RUN. PER 11B-505.10 EXCEPTION 3

147. RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN. PER 11B-505.10.1

148. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES MINIMUM BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT. PER 11B-505.10.2

149. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. THE HORIZONTAL EXTENSION OF A HANDRAIL SHALL BE 12 INCHES LONG MINIMUM AND A HEIGHT EQUAL TO THAT OF THE SLOPING PORTION OF THE HANDRAIL AS MEASURED ABOVE THE STAIR NOSINGS. EXTENSION SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT. PER 11B-505.10.3

STAIRWAYS

150. A STAIR IS DEFINED AS A CHANGE IN ELEVATION, CONSISTING OF ONE OR MORE RISERS. PER 11B-202

151. INTERIOR AND EXTERIOR STAIRS SHALL COMPLY WITH SECTION 11B-504 STAIRWAYS. PER 11B-210.1 (SEE EXCEPTIONS

152. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISERS SHALL BE 4 INCHES HIGH MINIMUM AND 7 INCHES HIGH MAXIMUM. TREADS SHALL BE 11 INCHES DEEP MINIMUM. CURVED STAIRWAYS WITH WINDER TREADS ARE PERMITTED AT STAIRS WHICH ARE NOT PART OF A REQUIRED MEANS OF EGRESS (SEE EXCEPTION). PER 11B-504.2

153. OPEN RISERS ARE NOT PERMITTED. PER 11B-504.3 (SEE EXCEPTIONS)

154. STAIR TREADS SHALL COMPLY WITH SECTION 11B-302 FLOOR AND GROUND SURFACES. CHANGES IN LEVEL ARE NOT PERMITTED. PER 11B-504.4

155. INTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND LOWER TREAD MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. EXTERIOR STAIRS SHALL HAVE THE UPPER APPROACH AND ALL TREAD MARKED BY A STRIPE PROVIDING CLEAR VISUAL CONTRAST. THE STRIPE SHALL BE A MINIMUM 2 INCHES WIDE TO A MAXIMUM OF 4 INCHES WIDE PLACED PARALLEL TO, AND NOT MORE THAN 1 INCH FROM, THE NOSE OF THE STEP OR UPPER APPROACH. THE STRIPE SHALL EXTEND THE FULL WIDTH OF THE STEP OR UPPER APPROACH AND SHALL BE OF MATERIAL THAT IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. A PAINTED STRIPE SHALL BE ACCEPTABLE. GROOVES SHALL NOT BE USED TO SATISFY THIS REQUIREMENT.PER 11B-504.4.1

156. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE 1/2 INCH MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAXIMUM FROM VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL EXTEND 11/4 INCHES MAXIMUM OVER THE TREAD BELOW. PER 11B-504.5 (SEE EXCEPTION FOR EXISTING BUILDINGS)

157. STAIRS SHALL HAVE HANDRAILS COMPLYING WITH SECTION 11B-505 HANDRAILS. PER 11B-504.6

158. STAIR TREADS AND LANDINGS SUBJECT TO WET CONDITIONS SHALL BE DESIGNED TO PREVENT THE ACCUMULATION OF WATER. PER 11B-504.7

159. FLOOR IDENTIFICATION SIGNS REQUIRED BY CHAPTER 10, SECTION 1022.9 COMPLYING WITH SECTIONS 11B-703.1 SIGNS GENERAL, 11B-703.2 RAISED CHARACTERS, 11B-703.3 BRAILLE AND 11B-703.5 VISUAL CHARACTERS SHALL BE LOCATED AT THE LANDING OF EACH FLOOR LEVEL, PLACED ADJACENT TO THE DOOR ON THE LATCH SIDE. IN ALL ENCLOSED STAIRWAYS IN BUILDINGS TWO OR MORE STORIES IN HEIGHT TO IDENTIFY THE FLOOR LEVEL. AT THE EXIT DISCHARGE LEVEL, THE SIGN SHALL INCLUDE A RAISED FIVE POINTED STAR LOCATED TO THE LEFT OF THE IDENTIFYING FLOOR LEVEL. THE OUTSIDE DIAMETER OF THE STAR SHALL BE THE SAME AS THE HEIGHT OF THE RAISED CHARACTERS. PER 11B-504.8

CURB RAMPS, BLENDED TRANSITIONS AND ISLANDS

160. PERPENDICULAR RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8.33%). PER 11B-406.2.1

161. FOR PERPENDICULAR RAMPS, WHERE PROVIDED, CURB RAMP FLARES SHALL NOT BE STEEPER THAN 1:10. PER 11B-406.2, FIGURE 11B-406.2.2

162. THE RUNNING SLOPE OF THE CURB RAMP SEGMENTS SHALL BE IN-LINE WITH THE DIRECTION OF SIDEWALK TRAVEL. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12 (8.33%). PER 11B-406.3.1, FIGURE 11B-406.3.2

163. A TURNING SPACE 48 INCHES MINIMUM BY 48 INCHES MINIMUM SHALL BE PROVIDED AT THE BOTTOM OF THE CURB RAMP. THE SLOPE OF THE TURNING SPACE IN ALL DIRECTIONS SHALL BE 1:48 MAXIMUM (2.083%). PER 11B-406.3.2

164. BLENDED TRANSITION RAMPS HALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:20 (5%). PER 11B-406.4.1

165. CURB RAMPS AND THE FLARED SIDES OF CURB RAMPS SHALL BE LOCATED SO THAT THEY DO NOT PROJECT INTO VEHICULAR TRAFFIC LANES, PARKING SPACES, OR PARKING ACCESS AISLES. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES. PER 11B-406.5.1

166. THE CLEAR WIDTH OF CURB RAMP RUNS (EXCLUDING ANY FLARED SIDES), BLENDED TRANSITIONS, AND TURNING SPACES SHALL BE 48 INCHES MINIMUM. PER 11B-406.5.2

167. LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS AND BLENDED TRANSITIONS (PARALLEL CURB RAMPS SHALL NOT BE REQUIRED TO COMPLY). THE LANDING CLEAR LENGTH SHALL BE 48 INCHES MINIMUM. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING ANY FLARED SIDES, OR THE BLENDED TRANSITION LEADING TO THE LANDING. THE SLOPE OF THE LANDING IN ALL DIRECTIONS SHALL BE 1:48 (2.083%) MAXIMUM. PER 11B-406.5.3

168. GRADE BREAKS AT THE TOP AND BOTTOM OF CURB RAMP RUNS SHALL BE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN. GRADE BREAKS SHALL NOT BE PERMITTED ON THE SURFACE OF RAMP RUNS AND TURNING SPACES. SURFACE SLOPES THAT MEET AT GRADE BREAKS SHALL BE FLUSH. PER 11B-406.5.6

169. THE CROSS SLOPE OF CURB RAMPS AND BLENDED TRANSITIONS SHALL BE 1:48 (2.083%) MAXIMUM. PER 11B-406.5.7

170. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO AND WITHIN 24 INCHES OF THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20 (5%). THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL. PER 11B-406.5.8

171. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE A CLEAR SPACE 48 INCHES MINIMUM OUTSIDE ACTIVE TRAFFIC LANES OF THE ROADWAY. DIAGONAL CURB RAMPS PROVIDED AT MARKED CROSSINGS SHALL PROVIDE THE 48 INCHES MINIMUM CLEAR SPACE WITHIN THE MARKINGS. PER 11B-406.5.9

172. CURB RAMPS AND BLENDED TRANSITIONS SHALL HAVE DETECTABLE WARNINGS COMPLYING WITH 11B-705 DETECTABLE WARNINGS. PER 11B-406.5.12

173. RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES. THE CLEAR WIDTH OF THE ACCESSIBLE ROUTE AT ISLANDS SHALL BE 60 INCHES WIDE MINIMUM. WHERE CURB RAMPS ARE PROVIDED, THEY SHALL COMPLY WITH 11B-406 CURB RAMPS, BLENDED TRANSITIONS AND ISLANDS. LANDINGS COMPLYING WITH 11B-406.5.3 LANDINGS AND THE ACCESSIBLE ROUTE SHALL BE PERMITTED TO OVERLAP. ISLANDS SHALL HAVE DETECTABLE WARNINGS COMPLYING WITH 11B-705 DETECTABLE WARNINGS AND DETECTABLE DIRECTIONAL TEXTURE. PER 11B-406.6, FIGURE 11B-406.6

D. GENERAL SITE AND BUILDING ELEMENTS

PARKING SPACES

174. WHERE PARKING SPACES ARE PROVIDED, ACCESSIBLE PARKING SPACES SHALL BE PROVIDED IN NUMBER AND KIND REQUIRED PER SECTION 11B-208 PARKING SPACES. PER 11B-208.1

175. PROVIDE ACCESSIBLE SPACES FOR EACH PARKING FACILITY (PARKING LOTS AND PARKING STRUCTURES). THE NUMBER OF PARKING SPACES REQUIRED TO BE ACCESSIBLE IS TO BE CALCULATED SEPARATELY FOR EACH PARKING FACILITY; THE REQUIRED NUMBER IS NOT BASED ON THE TOTAL NUMBER OF PARKING SPACES PROVIDED IN ALL OF THE PARKING FACILITIES PROVIDED ON SITE. PER 11B-208

176. ONE IN EVERY SIX OR FRACTION OF SIX PARKING SPACES REQUIRED BY SECTION 11B-208.2 MINIMUM NUMBER, BUT NOT LESS THAN ONE, SHALL BE SERVED BY AN ACCESS AISLE 96 INCHES WIDE MINIMUM PLACED ON THE SIDE OPPOSITE THE DRIVER'S SIDE WHEN THE VEHICLE IS GOING FORWARD INTO THE PARKING SPACE AND SHALL BE DESIGNATED "VAN ACCESSIBLE". ALL SUCH SPACES MAY BE GROUPED ON ONE LEVEL OF A PARKING STRUCTURE. §11B-208.2.4, 11B-502, FIG 11B-502, 11B-502.3, & 11B-502.3.3

177. ACCESSIBLE PARKING SPACES COMPLYING WITH SECTION 11B-502 PARKING SPACES SERVING A PARTICULAR BUILDING OR FACILITY SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE ENTRANCE (AS NEAR AS PRACTICAL TO AN ACCESSIBLE ENTRANCE). PER 11B-208.3.1

178. IN BUILDINGS WITH MULTIPLE ACCESSIBLE ENTRANCES WITH ADJACENT PARKING, ACCESSIBLE PARKING SPACES COMPLYING WITH SECTION 11B-502 PARKING SPACES SHALL BE DISPERSED AND LOCATED CLOSEST TO THE ACCESSIBLE ENTRANCES. PER 11B-208.3.1

179. IN PARKING FACILITIES THAT DO NOT SERVE A PARTICULAR BUILDING OR FACILITY, ACCESSIBLE PARKING SPACES COMPLYING WITH SECTION 11B-502 PARKING SPACES SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE OF TRAVEL TO AN ACCESSIBLE PEDESTRIAN ENTRANCE OF THE PARKING FACILITY. PER 11B-208.3.1

180. DIMENSION MINIMUM 18-FOOT LONG CAR AND VAN ACCESSIBLE PARKING SPACE(S) AND ACCESS AISLE(S). PER 11B-502.2, FIGURES 11B-502.2 AND 11B-502.3

181. DIMENSION MINIMUM 9-FOOT WIDTH AT ACCESSIBLE CAR PARKING SPACE. PER 11B-502.2, FIG. 11B-502.2 & FIG. 11B-502.3

182. DIMENSION MINIMUM 12-FOOT WIDE ACCESSIBLE VAN PARKING SPACE WITH MINIMUM 5-FOOT WIDE ACCESS AISLE. VAN PARKING SPACES SHALL BE PERMITTED TO BE MINIMUM 9 FEET WIDE WHERE ACCESS AISLE IS 8-FOOT WIDE MINIMUM. PER 11B-502.2, FIGURES 11B-502.2 AND 11B-502.3

183. CAR AND VAN STALL ACCESS AISLE SHALL BE 5 FOOT WIDE MINIMUM AND SHALL ADJOIN AN ACCESSIBLE ROUTE. TWO PARKING SPACES SHALL BE PERMITTED TO SHARE A COMMON ACCESS AISLE. PER 11B-502.3, FIGURES 11B-502.2 AND 11B-502.3

LADBS APPROVAL STAMP

184. ACCESS AISLES SHALL BE MARKED WITH A BLUE PAINTED BORDERLINE AROUND THEIR PERIMETER. THE AREA WITHIN THE BLUE BORDERLINES SHALL BE MARKED WITH HATCHED LINES A MAXIMUM OF 36 INCHES ON CENTER IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY BLUE OR WHITE. THE WORDS "NO PARKING" SHALL BE PAINTED ON THE SURFACE WITHIN EACH ACCESS AISLE IN WHITE LETTERS A MINIMUM OF 12 INCHES IN HEIGHT AND LOCATED TO BE VISIBLE FROM THE ADJACENT VEHICULAR WAY. ACCESS AISLE MARKINGS MAY EXTEND BEYOND THE MINIMUM REQUIRED LENGTH. PER 11B-502.3.3, FIGURE 11B-502.3.3

185. ACCESS AISLES SHALL NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLES SHALL BE PERMITTED TO BE PLACED ON EITHER SIDE OF THE PARKING SPACE EXCEPT FOR VAN PARKING SPACES WHICH SHALL HAVE ACCESS AISLES LOCATED ON THE PASSENGER SIDE OF THE PARKING SPACES. PER 11B-502.3.4

186. CLEARLY SHOW MINIMUM VERTICAL CLEARANCE OF 8 FEET 2 INCHES AT ACCESSIBLE PARKING SPACES AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE TO SUCH SPACES FROM SITE ENTRANCES AND EXITS. PER 11B-502.5

187. PARKING SPACE IDENTIFICATION SIGNS SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY. PER 11B-502.6, FIGURE 11B-703.7.2.1

188. SIGNS IDENTIFYING VAN PARKING SPACES SHALL CONTAIN ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN WITH THE DESIGNATION "VAN ACCESSIBLE." SIGNS SHALL BE 60 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN. PER 11B-502.6

189. PARKING IDENTIFICATION SIGNS SHALL BE REFLECTORIZED WITH A MINIMUM AREA OF 70 SQUARE INCHES. PER 11B-502.6.1

190. ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN BELOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL STATE "MINIMUM FINE $250." PER 11B-502.6.2

191. A PARKING SPACE IDENTIFICATION SIGN SHALL BE VISIBLE FROM EACH PARKING SPACE. SIGNS SHALL BE PERMANENTLY POSTED EITHER IMMEDIATELY ADJACENT TO THE PARKING SPACE OR WITHIN THE PROJECTED PARKING SPACE WIDTH AT THE HEAD END OF THE PARKING SPACE. SIGNS MAY ALSO BE PERMANENTLY POSTED ON A WALL AT THE INTERIOR END OF THE PARKING SPACE. PER 11B-502.6.3

192. EACH ACCESSIBLE CAR AND VAN SPACE SHALL HAVE SURFACE IDENTIFICATION COMPLYING WITH EITHER OF THE FOLLOWING SCHEMES: PER 11B-502.6.4
    A. THE PARKING SPACE SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY IN WHITE ON A BLUE BACKGROUND A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6 INCHES FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE LENGTH. PER 11B-502.6.4.1
    B. THE PARKING SPACE SHALL BE OUTLINED OR PAINTED BLUE AND SHALL BE MARKED WITH AN INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH SECTION 11B-703.7.2.1 INTERNATIONAL SYMBOL OF ACCESSIBILITY A MINIMUM 36 INCHES WIDE BY 36 INCHES HIGH IN WHITE OR A SUITABLE CONTRASTING COLOR. THE CENTERLINE OF THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE A MAXIMUM OF 6 INCHES FROM THE CENTERLINE OF THE PARKING SPACE, ITS SIDES PARALLEL TO THE LENGTH OF THE PARKING SPACE AND ITS LOWER CORNER AT, OR LOWER SIDE ALIGNED WITH, THE END OF THE PARKING SPACE. PER 11B-502.6.4.2

193. AN ADDITIONAL SIGN SHALL BE POSTED EITHER; 1) IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO AN OFF-STREET PARKING FACILITY OR 2) I

209. ALL DRINKING FOUNTAINS SHALL EITHER BE LOCATED COMPLETELY WITHIN ALCOVES, POSITIONED COMPLETELY BETWEEN WING WALLS, OR OTHERWISE POSITIONED SO AS NOT TO ENCROACH INTO PEDESTRIAN WAYS. THE PROTECTED AREA WITHIN SUCH A DRINKING FOUNTAIN IS LOCATED SHALL BE 32 INCHES WIDE MINIMUM AND 18 INCHES DEEP MINIMUM, AND SHALL COMPLY WITH SECTION 11B-305.7 MANEUVERING CLEARANCE. WHEN USED, WING WALLS OR BARRIERS SHALL PROTECT HORIZONTALLY AT LEAST AS FAR AS THE DRINKING FOUNTAIN AND TO WITHIN 6 INCHES VERTICALLY FROM THE FLOOR OR GROUND SURFACE. PER 11B-602.9

TOILET AND BATHING ROOM CLEARANCES

210. WHERE TOILET FACILITIES AND BATHING FACILITIES ARE PROVIDED, THEY SHALL COMPLY WITH 11B-213 TOILET FACILITIES AND BATHING FACILITIES. WHERE TOILET FACILITIES AND BATHING FACILITIES ARE PROVIDED IN FACILITIES PERMITTED BY 11B-206.2.3 MULTI-STORY BUILDINGS AND FACILITIES EXCEPTIONS 1 AND 2 NOT TO CONNECT STORIES BY AN ACCESSIBLE ROUTE, TOILET FACILITIES AND BATHING FACILITIES SHALL BE PROVIDED ON A STORY CONNECTED BY AN ACCESSIBLE ROUTE TO AN ACCESSIBLE ENTRANCE. PER 11B-213.1

211. WHERE SEPARATE TOILET FACILITIES ARE PROVIDED FOR THE EXCLUSIVE USE OF SEPARATE USER GROUPS, THE TOILET FACILITIES SERVING EACH USER GROUP SHALL COMPLY WITH 11B-213 TOILET FACILITIES AND BATHING FACILITIES. PER 11B-213.1.1

212. WHERE TOILET ROOMS ARE PROVIDED, EACH TOILET ROOM SHALL COMPLY WITH 11B-603 TOILET AND BATHING ROOMS. WHERE BATHING ROOMS ARE PROVIDED, EACH BATHING ROOM SHALL COMPLY WITH 11B-603 TOILET AND BATHING ROOMS. PER 11B-213.2 (SEE EXCEPTION)

213. UNISEX TOILET ROOMS SHALL CONTAIN NOT MORE THAN ONE LAVATORY, AND NOT MORE THAN TWO WATER CLOSETS WITHOUT URINALS OR ONE WATER CLOSET AND ONE URINAL. UNISEX BATHING ROOMS SHALL CONTAIN ONE SHOWER OR ONE SHOWER AND ONE BATHTUB, ONE LAVATORY, AND ONE WATER CLOSET. DOORS TO UNISEX TOILET ROOMS AND UNISEX BATHING ROOMS SHALL HAVE PRIVACY LATCHES. PER 11B-213.2.1

214. DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. OTHER THAN THE DOOR TO THE ACCESSIBLE WATER CLOSET COMPARTMENT, A DOOR IN ANY POSITION MAY ENCROACH INTO THE TURNING SPACE BY 12 INCHES MAXIMUM. PER 11B-603.2.3

215. AT SINGLE USER TOILET OR BATHING ROOMS, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE ONLY IF A 30 INCH BY 48-INCH MINIMUM CLEAR FLOOR SPACE IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING. PER 11B-603.2.3 (SEE EXCEPTION)

216. MIRRORS LOCATED ABOVE THE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITHIN THE BOTTOM EDGE OF THE REFLECTING SURFACE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE THE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. PER 11B-603.3

217. COAT HOOKS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN SECTION 11B-308. SHELVES SHALL BE LOCATED 40 INCHES MINIMUM AND 48 INCHES MAXIMUM ABOVE THE FINISH FLOOR. MEDICINE CABINETS SHALL BE LOCATED WITH A USABLE SHELF NO LONGER THAN 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR. PER 11B-603.4

218. WHERE TOWEL OR SANITARY NAPKIN DISPENSERS, WASTE RECEPTACLES, OR OTHER ACCESSORIES ARE PROVIDED IN TOILET FACILITIES, AT LEAST ONE OF EACH TYPE SHALL BE LOCATED ON AN ACCESSIBLE ROUTE. ALL OPERABLE PARTS, INCLUDING COIN SLOTS, SHALL BE 40 INCHES MAXIMUM ABOVE THE FINISH FLOOR. BABY CHANGING STATIONS ARE NOT REQUIRED TO COMPLY WITH SECTION 11B-603.5 (SEE EXCEPTION) PER 11B-603.5

219. BATHTUBS SHALL COMPLY WITH SECTION 11B-607 INCLUDING THE REQUIREMENTS FOR CLEARANCES, GRAB BARS, SEATS, CONTROLS, SHOWER SPRAY UNIT AND WATER AND BATHTUB ENCLOSURES.

220. SHOWER COMPARTMENTS SHALL COMPLY WITH SECTION 11B-608 INCLUDING THE REQUIREMENTS FOR CLEARANCES, GRAB BARS, SEATS, CONTROLS, SHOWER SPRAY UNIT AND WATER, THRESHOLDS, SHOWER ENCLOSURES, SHOWER FLOOR OR GROUND SURFACE AND SOAP DISH.

WATER CLOSETS AND TOILET COMPARTMENTS

221. WHERE TOILET COMPARTMENTS ARE PROVIDED, AT LEAST 5 PERCENT BUT NO FEWER THAN ONE TOILET COMPARTMENT SHALL COMPLY WITH SECTION 11B-604.8.1. IN ADDITION TO THE COMPARTMENTS REQUIRED TO COMPLY WITH 11B-604.8.1, WHERE SIX OR MORE TOILET COMPARTMENTS ARE PROVIDED, OR WHERE THE COMBINATION OF URINALS AND WATER CLOSETS TOTALS SIX OR MORE FIXTURES, TOILET COMPARTMENTS COMPLYING WITH SECTION 11B-604.8.2 SHALL BE PROVIDED IN THE SAME QUANTITY AS THE TOILET COMPARTMENTS REQUIRED TO COMPLY WITH SECTION 11B-604.8.1 PER11B-213.3.1

222. WHERE WATER CLOSETS ARE PROVIDED, AT LEAST 5 PERCENT BUT NO FEWER THAN ONE SHALL COMPLY WITH SECTION 11B-604. PER 11B-213.3.2

223. THE WATER CLOSET SHALL BE POSITIONED WITH A WALL OR PARTITION TO THE REAR AND TO ONE SIDE. THE CENTERLINE OF THE WATER CLOSET SHALL BE 17 INCHES MINIMUM TO 18 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION, EXCEPT THAT THE WATER CLOSET SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM FROM THE SIDE WALL OR PARTITION IN THE AMBULATORY ACCESSIBLE TOILET COMPARTMENT SPECIFIED IN SECTION 11B-604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS. WATER CLOSETS SHALL BE ARRANGED FOR A LEFT-HAND OR RIGHT-HAND APPROACH. PER 11B-604.2

224. CLEARANCE AROUND A WATER CLOSET SHALL BE 60 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE SIDEWALL AND 56 INCHES MINIMUM MEASURED PERPENDICULAR FROM THE REAR WALL. A MINIMUM 60 INCHES WIDE AND 48 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. PER 11B-604.3.1

225. THE SEAT HEIGHT OF A WATER CLOSET ABOVE THE FINISH FLOOR SHALL BE 17 INCHES MINIMUM AND 19 INCHES MAXIMUM MEASURED TO THE TOP OF THE SEAT. SEATS SHALL NOT BE SPRUNG THE RETURN TO A LIFTED POSITION. SEATS SHALL BE 2 INCHES HIGH MAXIMUM AND A 3-INCH HIGH SEAT SHALL BE PERMITTED ONLY IN ALTERATIONS WHERE THE EXISTING FIXTURE IS LESS THAN 15 INCHES HIGH. PER 11B-604.4 (SEE EXCEPTION FOR RESIDENTIAL UNITS)

226. THE SIDEWALL GRAB BARS SHALL BE 42 INCHES LONG MINIMUM, LOCATED 12 INCHES MAXIMUM FROM THE REAR WALL AND EXTENDING 54 INCHES MINIMUM FROM THE REAR WALL WITH THE FRONT END POSITIONED 24 INCHES MINIMUM IN FRONT OF THE WATER CLOSET. PER 11B-604.5.1

227. THE REAR GRAB BAR SHALL BE 36 INCHES LONG MINIMUM AND EXTEND FROM THE CENTERLINE OF THE WATER CLOSET 12 INCHES MINIMUM ON ONE SIDE AND 24 INCHES MINIMUM ON THE OTHER SIDE. PER 11B-604.5.2 (SEE EXCEPTION)

228. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309.4 OPERATION EXCEPT THEY SHALL BE LOCATED 44 INCHES MAXIMUM ABOVE THE FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSETS EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS. PER 11B-604.6

229. TOILET PAPER DISPENSERS SHALL COMPLY WITH SECTION 11B-309.4 OPERATION AND SHALL BE 7 INCHES MINIMUM AND 9 INCHES MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE BELOW THE GRAB BAR, 19 INCHES MINIMUM ABOVE THE FINISH FLOOR AND SHALL NOT BE LOCATED BEHIND THE GRAB BARS. DISPENSERS SHALL NOT BE OF A TYPE THAT CONTROL DELIVERY OR THAT DOES NOT ALLOW CONTINUOUS PAPER FLOW. PER 11B-604.7

230. WHEELCHAIR ACCESSIBLE TOILET COMPARTMENTS SHALL MEET THE REQUIREMENTS OF SECTIONS 11B-604.8.1 WHEELCHAIR ACCESSIBLE COMPARTMENTS AND 11B-604.8.3 COAT HOOKS AND SHELVES. COMPARTMENTS CONTAINING MORE THAN ONE PLUMBING FIXTURE SHALL COMPLY WITH SECTION 11B-603 TOILET AND BATHING ROOMS. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL COMPLY WITH SECTIONS 11B-604.8.2 AMBULATORY ACCESSIBLE COMPARTMENTS AND 11B-604.8.3 COAT HOOKS AND SHELVES. PER 11B-604.8

231. IN A WHEELCHAIR ACCESSIBLE COMPARTMENT WITH AN INSWING DOOR, A MINIMUM 60 INCHES WIDE BY 36 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE CLEARANCE REQUIRED IN SECTION 11B-604.8.1.1 WHEELCHAIR ACCESSIBLE COMPARTMENT SIZE. §11B-604.8.1.1.1, FIGURES 11B-604.8.1.1.2(B) AND 11B-604.8.1.1.3(B)

232. IN A WHEELCHAIR ACCESSIBLE COMPARTMENT WITH A DOOR LOCATED IN THE SIDE WALL OR PARTITION, EITHER IN-SWINGING OR OUT-SWINGING, A MINIMUM 60 INCHES WIDE AND 60 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. PER 11B-604.8.1.1.2 FIGURE 11B-604.8.1.1.2

233. IN A WHEEL CHAIR ACCESSIBLE COMPARTMENT WITH END-OPENING DOOR LOCATED IN THE FRONT WALL OR PARTITION (FACING WATER CLOSET), EITHER IN-SWINGING OR OUT-SWINGING, A MINIMUM 60 INCHES WIDE AND 48 INCHES DEEP MANEUVERING SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET. PER 11B-604.8.1.1.3 FIGURE 11B-604.8.1.1.3

234. TOILET COMPARTMENT DOORS, INCLUDING DOOR HARDWARE, SHALL COMPLY WITH SECTION 11B-404 DOORS, DOORWAYS, AND GATES EXCEPT THAT IF THE APPROACH IS FROM THE PUSH SIDE OF THE COMPARTMENT DOOR, CLEARANCE BETWEEN THE DOOR SIDE OF THE COMPARTMENT AND ANY OBSTRUCTION SHALL BE 48 INCHES MINIMUM MEASURED PERPENDICULAR TO THE COMPARTMENT DOOR IN ITS CLOSED POSITION. DOOR SHALL BE LOCATED IN FRONT PARTITION OR IN THE SIDE WALL OR PARTITION FARTHEST FROM THE WATER CLOSET. PER 11B-604.8.1.2

235. WHERE TOILET COMPARTMENT DOORS ARE LOCATED IN THE FRONT PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE SIDEWALL OR PARTITION FARTHEST FROM THE WATER CLOSET. WHERE LOCATED IN THE SIDEWALL OR PARTITION, THE DOOR OPENING SHALL BE 4 INCHES MAXIMUM FROM THE FRONT PARTITION AND THE DOOR SHALL BE SELF-CLOSING. PER 11B-604.8.1.2

236. A DOOR PULL COMPLYING WITH SECTION 11B-404.2.7 DOOR AND GATE HARDWARE SHALL BE PLACED ON BOTH SIDES OF THE DOOR NEAR THE LATCH. DOOR SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS MAY SWING INTO THAT PORTION OF THE MANEUVERING SPACE WHICH DOES NOT OVERLAP THE CLEARANCE REQUIRED AT A WATER CLOSET. PER 11B-604.8.1.2 (SEE EXCEPTION)

237. AT LEAST ONE SIDE PARTITION SHALL PROVIDE A TOE CLEARANCE OF 9 INCHES MINIMUM ABOVE THE FINISH FLOOR AND 6 INCHES DEEP MINIMUM BEYOND THE COMPARTMENT-SIDE FACE OF THE PARTITION, EXCLUSIVE OF PARTITION SUPPORT MEMBERS. PARTITION COMPONENTS AT TOE CLEARANCES SHALL BE SMOOTH WITHOUT SHARP EDGES OR ABRASIVE SURFACES. COMPARTMENTS FOR CHILDREN'S USE SHALL PROVIDE A TOE CLEARANCE OF 12 INCHES MINIMUM ABOVE THE FINISH FLOOR. PER 11B-604.8.1.4

238. AMBULATORY ACCESSIBLE COMPARTMENTS SHALL HAVE A DEPTH OF 35 INCHES MINIMUM AND 37 INCHES MAXIMUM. PER 11B-604.8.2.1

239. WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE SHALL COMPLY WITH SECTION 11B-604.9 WATER CLOSETS AND TOILET COMPARTMENTS FOR CHILDREN'S USE AND FOLLOW SUGGESTED DIMENSIONS ON TABLE 11B-604.9. PER 11B-604.9

240. WHERE URINALS ARE PROVIDED, AT LEAST 10 PERCENT BUT NO FEWER THAN ONE SHALL COMPLY WITH SECTION 11B-605. PER 11B-213.3.3.

241. URINALS SHALL BE THE STALL-TYPE OR THE WALL-HUNG TYPE WITH THE RIM 17 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. URINALS SHALL BE 13½ INCHES DEEP MINIMUM MEASURED FROM THE OUTER FACE OF THE URINAL RIM TO THE BACK OF THE FIXTURE. PER 11B-605.2

242. FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309 OPERABLE PARTS EXCEPT THAT THE FLUSH CONTROL SHALL BE MOUNTED AT A MAXIMUM HEIGHT OF 44 INCHES ABOVE THE FINISH FLOOR. PER 11B-605.4

243. WHERE LAVATORIES ARE PROVIDED, AT LEAST 10 PERCENT BUT NO FEWER THAN ONE SHALL COMPLY WITH SECTION 11B-606 AND SHALL NOT BE LOCATED IN A TOILET COMPARTMENT. PER 11B-213.3.4, PER 11B-606.1.

244. FOR LAVATORIES AND SINKS, A CLEAR FLOOR SPACE COMPLYING WITH SECTION 11B-305 CLEAR FLOOR OR GROUND SURFACES, POSITIONED FOR A FORWARD APPROACH, AND KNEE AND TOE CLEARANCE COMPLYING WITH SECTION 11B-306 KNEE AND TOE CLEARANCE SHALL BE PROVIDED. PER 11B-606.2

245. LAVATORIES AND SINKS SHALL BE INSTALLED WITH THE FRONT OF THE HIGHER OF THE RIM OR COUNTER SURFACE 34 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. PER 11B-606.3

SIGNS RELATED TO TOILETS AND BATHING FACILITIES

246. ENTRANCES LEADING TO TOILET ROOMS AND BATHING ROOMS COMPLYING WITH 11B-603 TOILET AND BATHING ROOMS SHALL BE IDENTIFIED BY A GEOMETRIC SYMBOL COMPLYING WITH 11B-703.7.2.6 TOILET AND BATHING ROOM GEOMETRIC SYMBOLS. WHERE EXISTING TOILET ROOMS OR BATHING ROOMS DO NOT COMPLY WITH 11B-603 TOILET AND BATHING ROOMS, DIRECTIONAL SIGNS INDICATING THE LOCATION OF THE NEAREST COMPLIANT TOILET ROOM OR BATHING ROOM WITHIN THE FACILITY SHALL BE PROVIDED. SIGNS SHALL COMPLY WITH 11B-703.5 VISUAL CHARACTERS AND SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1 ISA. WHERE EXISTING TOILET ROOMS OR BATHING ROOMS DO NOT COMPLY WITH 11B-603 TOILET AND BATHING ROOMS, THE TOILET ROOMS OR BATHING ROOMS COMPLYING WITH 11B-603 TOILET AND BATHING ROOMS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1 ISA. WHERE CLUSTERED SINGLE USER TOILET ROOMS OR BATHING FACILITIES ARE PERMITTED TO USE EXCEPTIONS TO 11B-213.2 TOILET AND BATHING ROOMS, TOILET ROOMS OR BATHING FACILITIES COMPLYING WITH 11B-603 TOILET AND BATHING ROOMS SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1 ISA UNLESS ALL TOILET ROOMS AND BATHING FACILITIES COMPLY WITH 11B-603 TOILET AND BATHING ROOMS. EXISTING BUILDINGS THAT HAVE BEEN REMODELED TO PROVIDE SPECIFIC TOILET ROOMS OR BATHING ROOMS FOR PUBLIC USE THAT COMPLY WITH THESE BUILDING STANDARDS SHALL HAVE THE LOCATION OF AND THE DIRECTIONS TO THESE ROOMS POSTED IN OR NEAR THE BUILDING LOBBY OR ENTRANCE ON A SIGN COMPLYING WITH 11B-703.5 VISUAL CHARACTERS, INCLUDING THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH 11B-703.7.2.1 ISA. PER 11B-216.8

247. PICTOGRAMS SHALL COMPLY WITH THE FOLLOWING:

A. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6 INCHES MINIMUM. CHARACTERS AND BRAILLE SHALL NOT BE LOCATED IN THE PICTOGRAM FIELD. PER 11B-703.6.1
B. PICTOGRAMS AND THEIR FIELD SHALL HAVE A NON-GLARE FINISH. PICTOGRAMS SHALL CONTRAST WITH THEIR FIELD WITH EITHER A LIGHT PICTOGRAM ON A DARK FIELD OR A DARK PICTOGRAM ON A LIGHT FIELD. PER 11B-703.6.2
C. PICTOGRAMS SHALL HAVE TEXT DESCRIPTORS LOCATED DIRECTLY BELOW THE PICTOGRAM FIELD. TEXT DESCRIPTORS SHALL COMPLY WITH 11B-703.2 RAISED CHARACTERS, 11B-703.3 BRAILLE AND 11B-703.4 INSTALLATION HEIGHT AND LOCATION. PER 11B-703.6.3
D. THE INSTALLATION HEIGHT AND LOCATION OF PICTOGRAM SIGNS SHALL BE PER 11B-703.4.1.

248. SYMBOLS SHALL COMPLY WITH THE FOLLOWING:

A. DOORWAYS LEADING TO TOILET ROOMS AND BATHING ROOMS SHALL BE IDENTIFIED BY A GEOMETRIC SYMBOL COMPLYING WITH 1 1B-703.7.2.6 TOILET AND BATHING FACILITIES GEOMETRIC SYMBOLS. THE SYMBOL SHALL BE MOUNTED AT 58 INCHES MINIMUM AND 60 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED FROM THE CENTERLINE OF THE SYMBOL. WHERE A DOOR IS PROVIDED THE SYMBOL SHALL BE MOUNTED WITHIN 1 INCH OF THE VERTICAL CENTERLINE OF THE DOOR. PER 11B-703.7.2.6 (SEE EXCEPTION)
B. MEN'S TOILET AND BATHING FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE, ¼ INCH THICK WITH EDGES 12 INCHES LONG AND A VERTEX POINTING UPWARD. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. PER 11B-703.7.2.6.1
C. WOMEN'S TOILET AND BATHING FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, ¼ INCH THICK AND 12 INCHES IN DIAMETER. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. PER 11B-703.7.2.6.2
D. UNISEX TOILET AND BATHING FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, ¼ INCH THICK AND 12 INCHES IN DIAMETER WITH A ¼ INCH THICK TRIANGLE WITH A VERTEX POINTING UPWARD SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12-INCH DIAMETER. THE TRIANGLE SYMBOL SHALL CONTRAST WITH THE CIRCLE SYMBOL, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. THE CIRCLE SYMBOL SHALL CONTRAST WITH THE DOOR, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. PER 11B-703.7.2.6.3

F. COMMUNICATION ELEMENTS AND FEATURES

FIRE ALARM SYSTEMS

249. WHERE FIRE ALARM SYSTEMS AND CARBON MONOXIDE ALARM SYSTEMS PROVIDE AUDIBLE ALARM COVERAGE, ALARMS SHALL COMPLY WITH 11B-215 FIRE ALARM SYSTEMS. PER 11B-215.1 (SEE EXCEPTION)

250. ALARMS IN PUBLIC USE AREAS AND COMMON USE AREAS SHALL COMPLY WITH 702 CHAPTER 9, SECTION 907.5.2.3.1. PER 11B-215.2

251. WHERE EMPLOYEE WORK AREAS HAVE AUDIBLE ALARM COVERAGE, THE WIRING SYSTEM SHALL BE DESIGNED SO THAT VISIBLE ALARMS COMPLYING WITH 702 CHAPTER 9, SECTION 907.5.2.3.2 CAN BE INTEGRATED INTO THE ALARM SYSTEM. PER 11B-215.3

252. FIRE ALARM SYSTEMS SHALL HAVE PERMANENTLY INSTALLED AUDIBLE AND VISIBLE ALARMS COMPLYING WITH NFPA 72 (1999 OR 2002 EDITION) (INCORPORATED BY REFERENCE, SEE "REFERENCED STANDARDS" IN CHAPTER 1), EXCEPT THAT THE MAXIMUM ALLOWABLE SOUND LEVEL OF AUDIBLE NOTIFICATION APPLIANCES COMPLYING WITH SECTION 4-3.2.1 OF NFPA 72 (1999 EDITION) SHALL HAVE A SOUND LEVEL NO MORE THAN 110 DB AT THE MINIMUM HEARING DISTANCE FROM THE AUDIBLE APPLIANCE. IN ADDITION, ALARMS IN GUEST ROOMS REQUIRED TO PROVIDE COMMUNICATION FEATURES SHALL COMPLY WITH SECTIONS 4-3 AND 4-4 OF NFPA 72 (1999 EDITION) OR SECTIONS 7.4 AND 7.5 OF NFPA 72 (2002 EDITION). AND CHAPTER 9, SECTIONS 907.5.2.1 AND 907.5.2.3. PER 11B-702.1

ASSISTIVE LISTENING SYSTEMS

253. ASSISTIVE LISTENING SYSTEMS SHALL BE PROVIDED IN ASSEMBLY AREAS, INCLUDING CONFERENCE AND MEETING ROOMS, USED FOR THE PURPOSE OF ENTERTAINMENT, EDUCATIONAL OR CIVIC GATHERINGS, OR SIMILAR PURPOSES. PER 202, PER 11B-219.2

254. NOTE: ASSEMBLY AREAS INCLUDE, BUT ARE NOT LIMITED TO, CLASSROOMS, LECTURE HALLS, COURTROOMS, PUBLIC MEETING ROOMS, PUBLIC HEARING ROOMS, LEGISLATIVE CHAMBERS, MOTION PICTURE HOUSES, AUDITORIA, THEATERS, PLAYHOUSES, DINNER THEATERS, CONCERT HALLS, CENTERS FOR THE PERFORMING ARTS, AMPHITHEATERS, ARENAS, STADIUMS, GRANDSTANDS, OR CONVENTION CENTERS. PER 202, PER 11B-219.2

255. ASSISTIVE LISTENING SYSTEM SHALL PROVIDE AN AMPLIFICATION SYSTEM UTILIZING TRANSMITTERS, RECEIVERS, AND COUPLING DEVICES TO BYPASS THE ACOUSTICAL SPACE BETWEEN A SOUND SOURCE AND A LISTENER BY MEANS OF INDUCTION LOOP, RADIO FREQUENCY, INFRARED, OR DIRECT-WIRED EQUIPMENT. PER 202

256. PROVIDE (10) ASSISTIVE LISTENING SYSTEMS. A MINIMUM NUMBER OF RECEIVERS EQUAL TO 4 PERCENT OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO. PER 11B-219.3

257. WHERE A BUILDING CONTAINS MORE THAN ONE ASSEMBLY AREA UNDER ONE MANAGEMENT, THE TOTAL NUMBER OF REQUIRED RECEIVERS MAY BE CALCULATED USING THE TOTAL NUMBER OF SEATS IN THE ASSEMBLY AREAS PROVIDED THAT ALL RECEIVERS ARE USABLE WITH ALL SYSTEMS. PER 11B-219.3 (SEE EXCEPTION)

258. TWENTY-FIVE PERCENT MINIMUM OF RECEIVERS PROVIDED FOR ASSISTIVE LISTENING SYSTEMS, BUT NO FEWER THAN TWO, SHALL BE HEARING-AID COMPATIBLE WITH EXCEPT WHEN ALL SEATS IN AN ASSEMBLY AREA ARE SERVED BY MEANS OF AN INDUCTION LOOP. PER 11B-219.3

259. WHEN ASSISTIVE-LISTENING SYSTEMS ARE LIMITED TO SPECIFIC AREAS OR SEATS, SUCH AREAS OR SEATS SHALL BE WITHIN A 50-FOOT VIEWING DISTANCE OF THE STAGE OR PLAYING AREA AND SHALL HAVE A COMPLETE VIEW OF THE STAGE OR PLAYING AREA. PER 11B-219.4

260. PERMANENTLY INSTALLED ASSISTIVE-LISTENING SYSTEMS ARE REQUIRED IN AREAS IF (1) THEY HAVE FIXED SEATING AND (2A) THEY ACCOMMODATE AT LEAST 50 PERSONS OR (2B) THEY HAVE AUDIO-AMPLIFICATION SYSTEMS, EXCEPT THOSE USED EXCLUSIVELY FOR PAGING AND/OR BACKGROUND MUSIC. PER 11B-219.2, PER 11B-219.5

261. PORTABLE ASSISTIVE-LISTENING SYSTEMS MAY SERVE MORE THAN ONE CONFERENCE OR MEETING ROOMS IF AN ADEQUATE NUMBER OF ELECTRICAL OUTLETS OR OTHER SUPPLEMENTARY WIRING IS PROVIDED AND PERMANENTLY INSTALLED SYSTEMS ARE NOT REQUIRED. PER 11B-219.5

262. RECEIVERS REQUIRED FOR USE WITH AN ASSISTIVE LISTENING SYSTEM SHALL INCLUDE A 1/8 INCH STANDARD MONO JACK. PER 11B-706.2

263. RECEIVERS REQUIRED TO BE HEARING AID COMPATIBLE SHALL INTERFACE WITH TELECOILS IN HEARING AIDS THROUGH THE PROVISION OF NECK LOOPS. PER 11B-706.3

264. ASSISTIVE LISTENING SYSTEMS SHALL BE CAPABLE OF PROVIDING A SOUND PRESSURE LEVEL FROM 110 – 118 DB WITH A DYNAMIC RANGE ON THE VOLUME CONTROL OF 50 DB. PER 11B-706.4

265. SIGNAL-TO-NOISE RATIO FOR INTERNALLY GENERATED NOISE IN ASSISTIVE LISTENING SYSTEMS SHALL BE 18 DB MINIMUM. PER 11B-706.5

266. PEAK CLIPPING SHALL NOT EXCEED 18 DB OF CLIPPING RELATIVE TO THE PEAKS OF SPEECH. PER 11B-706.6

TELEPHONES

267. WHERE COIN-OPERATED PUBLIC PAY TELEPHONES, COIN LESS PUBLIC PAY TELEPHONES, PUBLIC CLOSED-CIRCUIT TELEPHONES, PUBLIC COURTESY PHONES, OR OTHER TYPES OF PUBLIC TELEPHONES ARE PROVIDED, PUBLIC TELEPHONES SHALL BE PROVIDED IN ACCORDANCE WITH 11B-217 TELEPHONES FOR EACH TYPE OF PUBLIC TELEPHONE PROVIDED. FOR PURPOSES OF THIS SECTION, A BANK OF TELEPHONES SHALL BE CONSIDERED TO BE TWO OR MORE ADJACENT TELEPHONES. PER 11B-217.1

268. EXCEPT DRIVE-UP ONLY PUBLIC TELEPHONES, WHERE PUBLIC TELEPHONES ARE PROVIDED, WHEELCHAIR ACCESSIBLE TELEPHONES COMPLYING WITH 11B-704.2 SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 11B-217.2. PER 11B-217.2

269. PROVIDE (_____) WHEELCHAIR ACCESSIBLE TELEPHONES IN ACCORDANCE WITH TABLE 11B-217.2.

270. ALL PUBLIC TELEPHONES SHALL HAVE VOLUME CONTROLS COMPLYING WITH 11B-704.3. §11B-217.3

271. WHERE A BANK OF TELEPHONES IN THE INTERIOR OF A BUILDING CONSISTS OF THREE OR MORE PUBLIC PAY TELEPHONES, AT LEAST ONE PUBLIC PAY TELEPHONE AT THE BANK SHALL BE PROVIDED WITH A SHELF AND AN ELECTRICAL OUTLET IN ACCORDANCE WITH 11B-704.5. § 11B-217.5 (SEE EXCEPTION)

G. SPECIAL ROOMS, SPACES, AND ELEMENTS

KITCHENS, KITCHENETTES AND WET BARS

272. SINKS SHALL COMPLY WITH 11B-606 LAVATORIES AND SINKS. PER 11B-804.4

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C12115 Exp. 12.31.23 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

ENGINEERING

CITY OF LOS ANGELES

CITY ENGINEER: DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ACCESSIBILITY NOTES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A008

SHEET OF SHEETS

Project Status

PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

BUREAU OF ENGINEERING OFFICIAL RECORD

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/30/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

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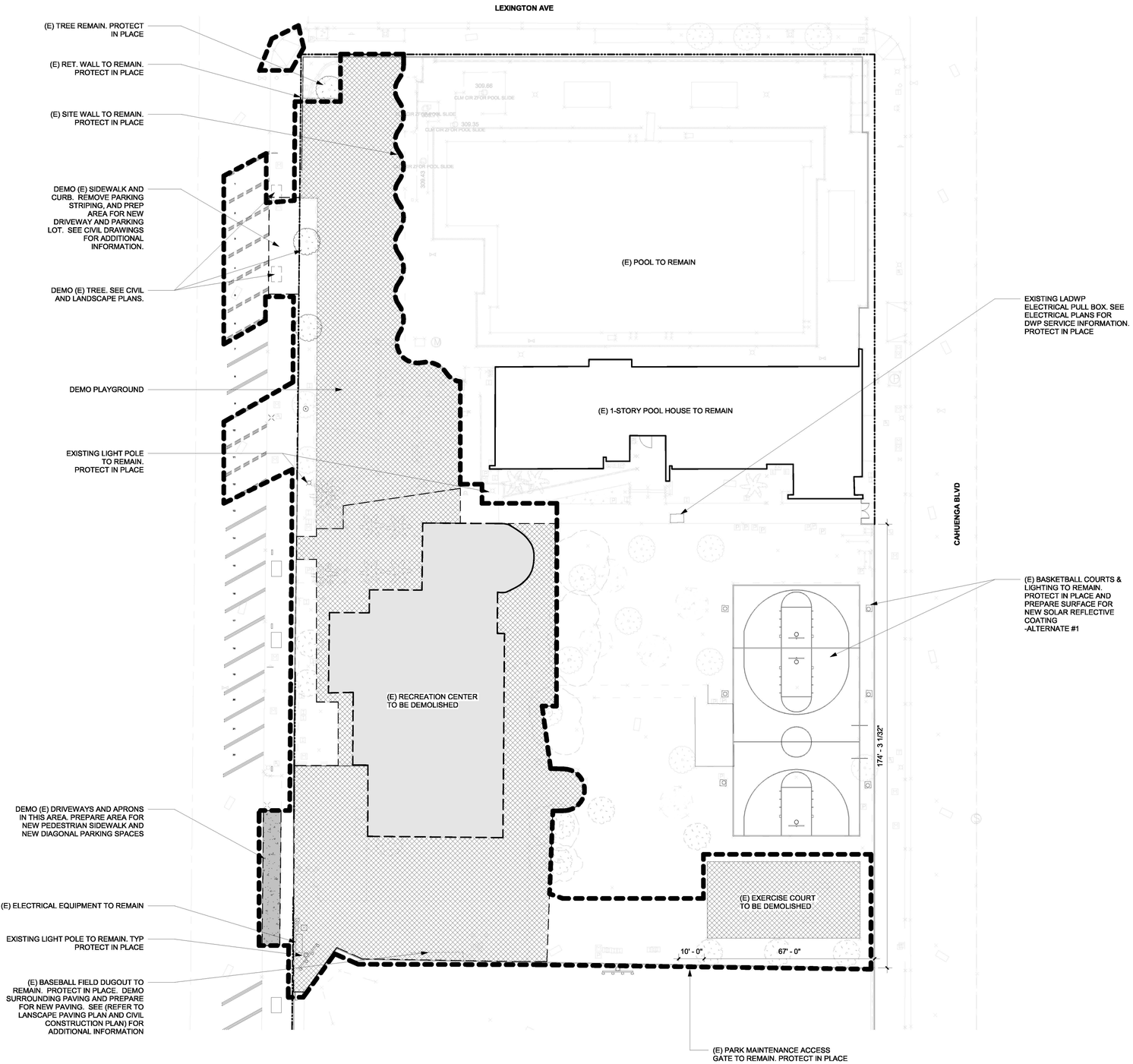

3/64" = 1'-0" SITE DEMOLITION PLAN

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

AREA OF WORK

PROPERTY LINE

BUILDING TO BE DEMOLISHED

ITEM TO BE DEMOLISHED
(FOR ADDITIONAL INFORMATION REFER TO C2.02 CIVIL DEMO AND L100-102 TREE DEPOSITION DRAWINGS)

DEMO LEGEND

GENERAL NOTES

1. REFERENCE HAZARDOUS MATERIAL BUILDING SURVEY (DATED DEC. 15, 2020), PROVIDED IN PROJECT MANUAL. FOLLOW RECOMMENDATIONS FOR APPROPRIATE ABATEMENT OF (E) ASBESTOS AND LEAD. FOLLOW UNIVERSAL WASTE RECOMMENDATIONS

2. FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES IN WRITING PRIPR TO ONSET OF DEMOLITION

3. DEMOLITION WORK SHALL BE EXECUTED TO COMPLY WITH LOCAL BUILDING CODE

4. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT FACILITY OCCUPANTS AND WORKERS

5. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED TO INSTALL NEW CONSTRUCTION AS INDICATED IN THE DRAWINGS, ERRECTED AREA SHOULD BE RETURNED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER

6. ALL MATERIALS TO BE DISPOSED OFF THE PROJECT SITE IN ACCORDANCE TO LOCAL RESTRICTIONS, U.N.O.

7. REMOVE ALL UNUSED UTILITIES IN ACCORDANCE WITH LOCAL ORDINANCES.

8. REMOVE (E) FLOOR FINISHES AND PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES

9. REVIEW ALL CIVIL, LANDSCAPE, AND MEP DRAWINGS FOR COORDINATION OF FULL SITE DEMOLITION SCOPE.

DEMO NOTES

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NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

TED ALLEN, P.E.

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SITE DEMOLITION PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A100
SHEET O F SHEETS

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SHEET ISSUE DATE: 02/25/14
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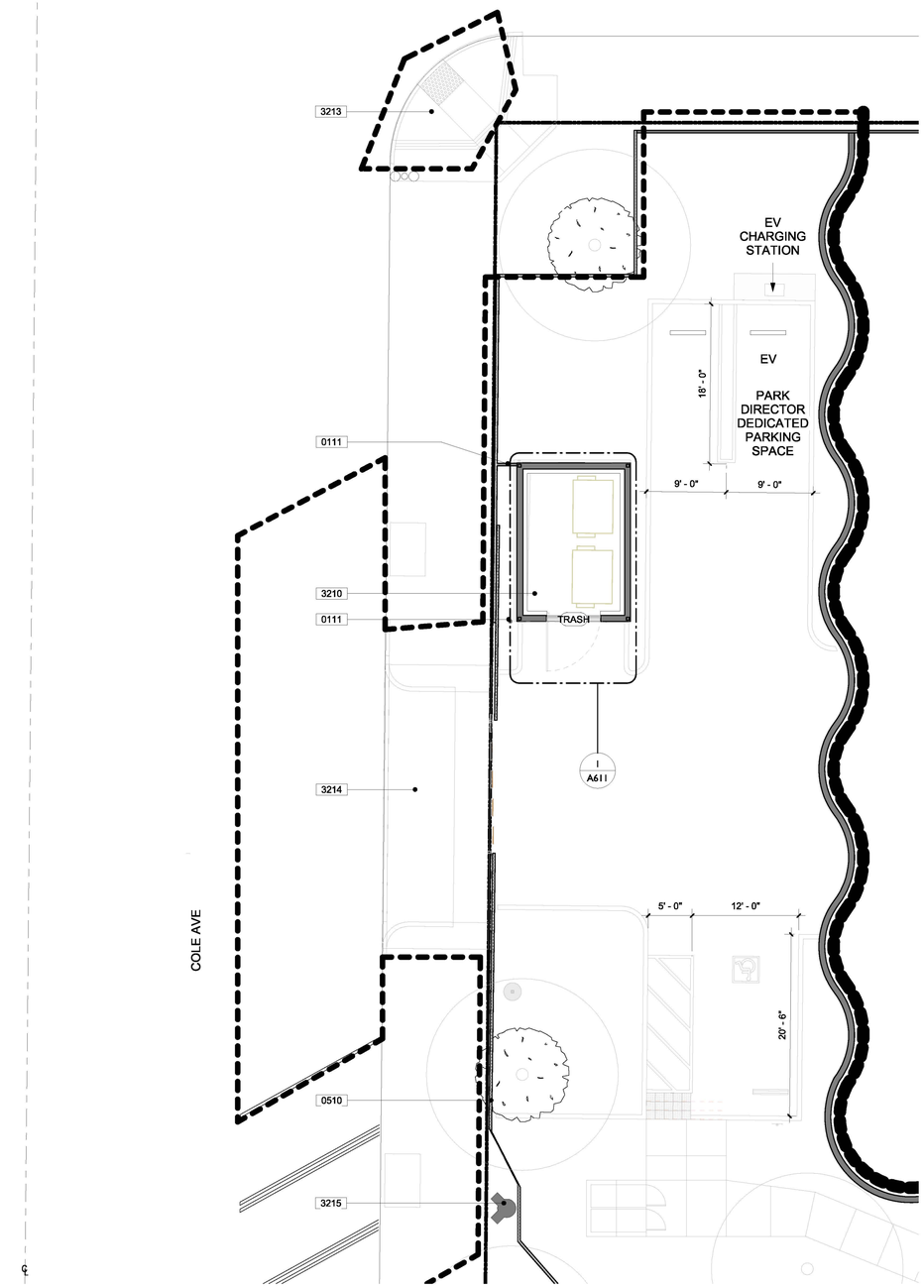
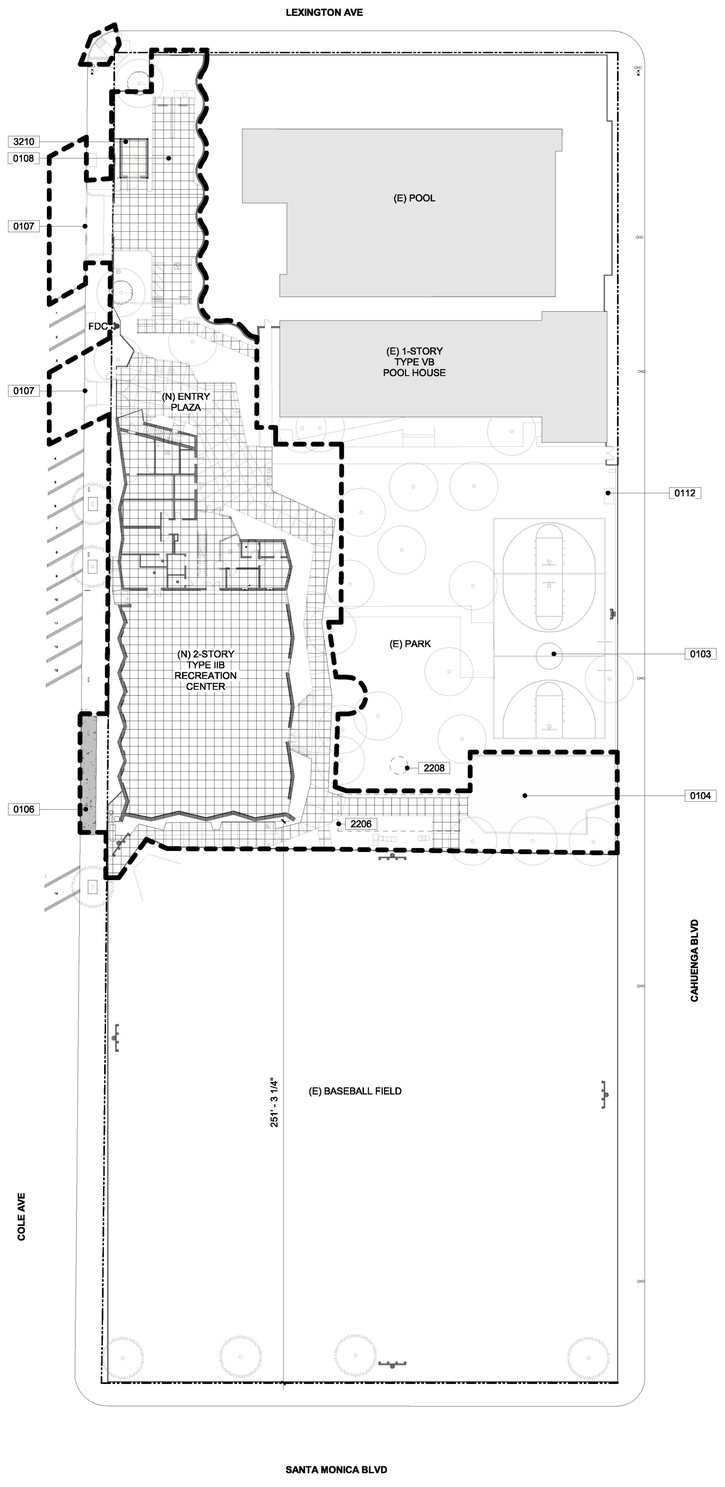


1/8" = 1'-0" ENLARGED PARKING PLAN 2



1/32" = 1'-0" SITE PLAN 1

LADBS APPROVAL STAMP

0103	(E) BASKETBALL COURTS, REFINISHED, SEE LANDS. PLANS-ALTERNATE #1
0104	(N) PLAYGROUND AREA SEE VICIL & LANDSCAPE
0106	(N) CONCRETE CURB TO MATCH EXISTING CURB
0107	(N) CURB CUT
0108	(N) PARKING LOT: 4 PARKING SPACES, 1 ADA VAN SPACE
0111	ADDITIONAL FENCE AND BALLARD TO BLOCK ACCESS.
0112	INSTALL NEW VANDAL & IMPACT RESISTANT ENCLOSURES TO ALL BACKFLOW PREVENTORS, INCLUDING NEW & EXISTING.
0510	COATED CHAIN LINK FENCE
2206	UNDERGROUND STORM TANKS (BMP) SINGLE STACK MODULES. STORAGE VOLUME = 1423.43 CF. DIMENSIONS = 36.5' X 14'. 92 UNITS ST-36 - SEE C3.01, C3.02, C4.04, C4.05 AND C4.06
2208	MAXWELL IV DRYWELL (4' INTERIOR DIAMETER) - SEE C3.01, C3.02, C4.04, C4.05 AND C4.06
3210	NEW TRASH ENCLOSURE - SEE 1/A849
3213	UPDATE CURB RAMP (PART OF 'A' PERMIT)
3214	PROVIDE A NEW CURB CUT AND DRIVEWAY. SEE CIVIL PLAN C2.02 AND C2.03 (PART OF 'A' PERMIT)
3215	FIRE DEPARTMENT CONNECTION (FDC)

KEYNOTES

- AREA OF WORK
- PROPERTY LINE
- ROOF ABOVE
- (E) BUILT ELEMENT TO REMAIN
- FIRE HYDRANT
- IMPERVIOUS SURFACE AREA -SEE SHEET LID-2 FOR ADDITIONAL CLARIFICATION
- PERVIOUS SURFACE AREA -SEE SHEET LID-2 FOR ADDITIONAL CLARIFICATION

SITE LEGEND

PARKING SUMMARY

PARKING REQUIRED - 0
(ZONING EXEMPT - CITY OWNED PROPERTY)

PARKING PROVIDED:

VAN ADA	= 1
EVCS	= 1
STANDARD STALLS	= 1
TOTAL PROVIDED	= 3

BUREAU OF ENGINEERING OFFICIAL RECORD

PARKING SUMMARY

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SITE PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

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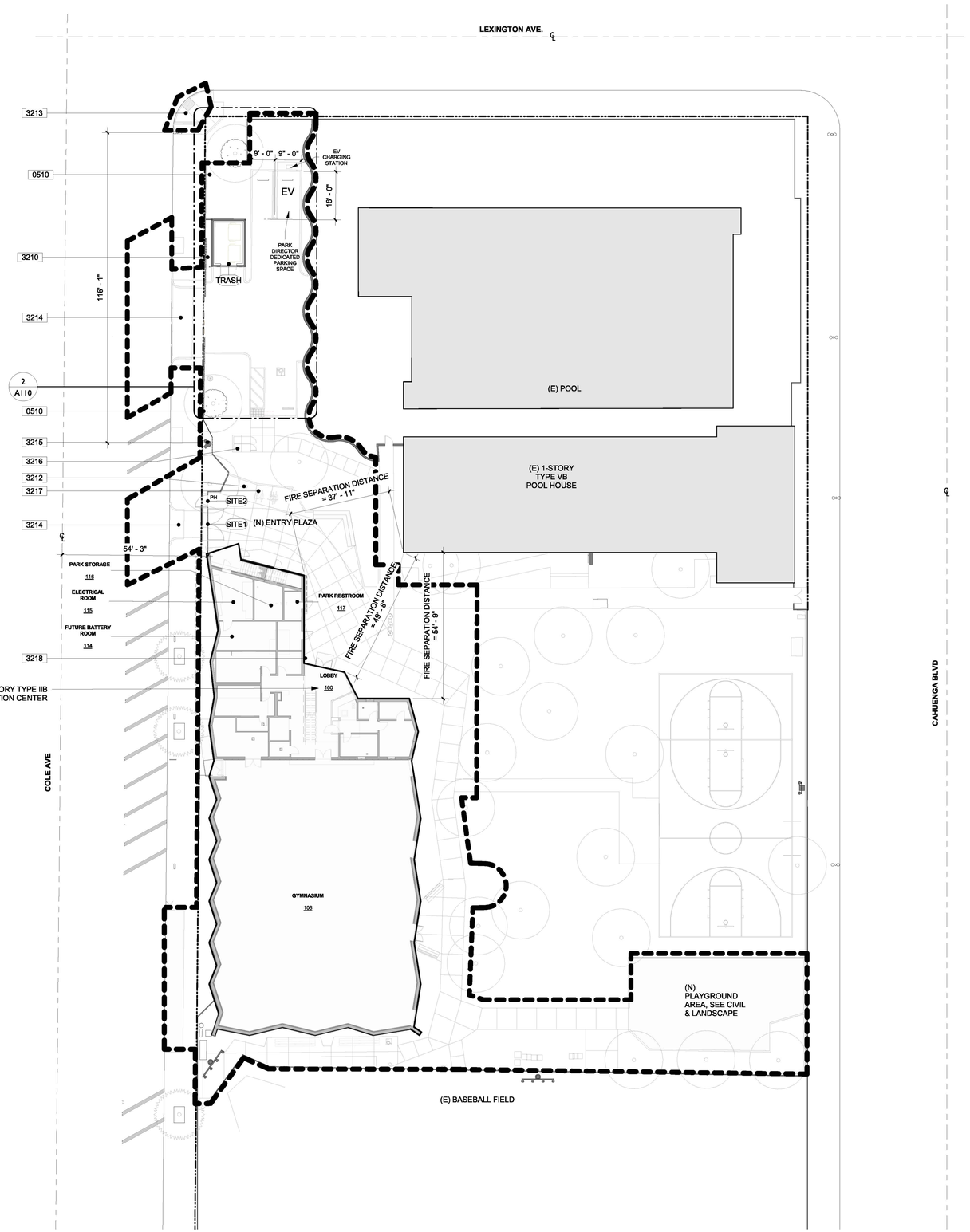

0510	COATED CHAIN LINK FENCE
3210	NEW TRASH ENCLOSURE - SEE 1/A849
3212	FLAG POLE
3213	UPDATE CURB RAMP (PART OF 'A' PERMIT)
3214	PROVIDE A NEW CURB CUT AND DRIVEWAY. SEE CIVIL PLAN C2.02 AND C2.03 (PART OF 'A' PERMIT)
3215	FIRE DEPARTMENT CONNECTION (FDC)
3216	LONG TERM BICYCLE PARKING
3217	SHORT TERM BIKE PARKING
3218	EXTERIOR SIGNAGE PER 3/A300

KEYNOTES

- AREA OF WORK
- PROPERTY LINE
- ROOF ABOVE
- (E) BUILT ELEMENT TO REMAIN
- FIRE HYDRANT
- (N) CHAINLINK FENCE

SITE LEGEND

3/64" = 1'-0" ENLARGED SITE PLAN

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 11/02/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: TED ALLEN, P.E.
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED SITE PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A111
SHEET 0 OF SHEETS

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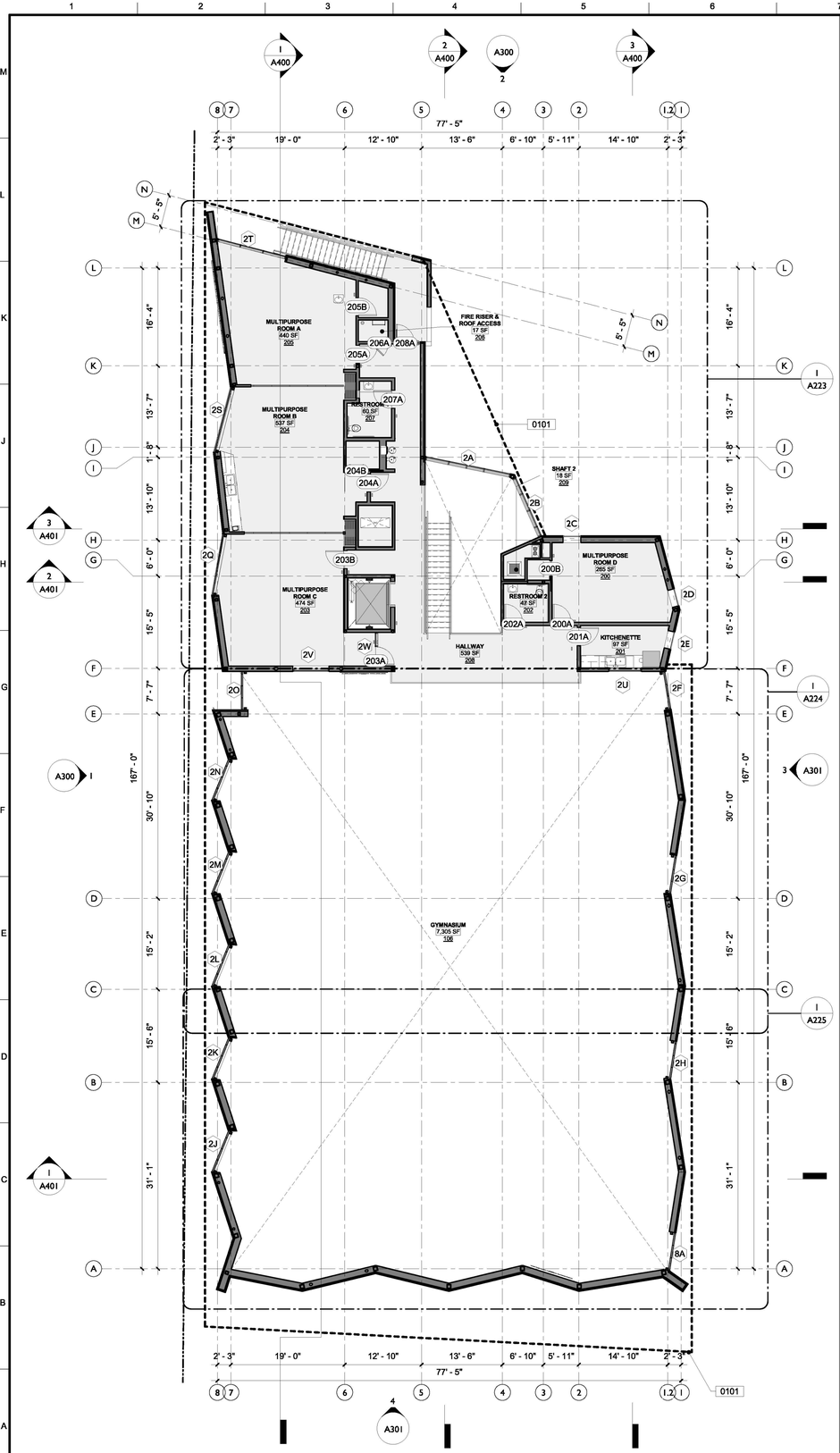
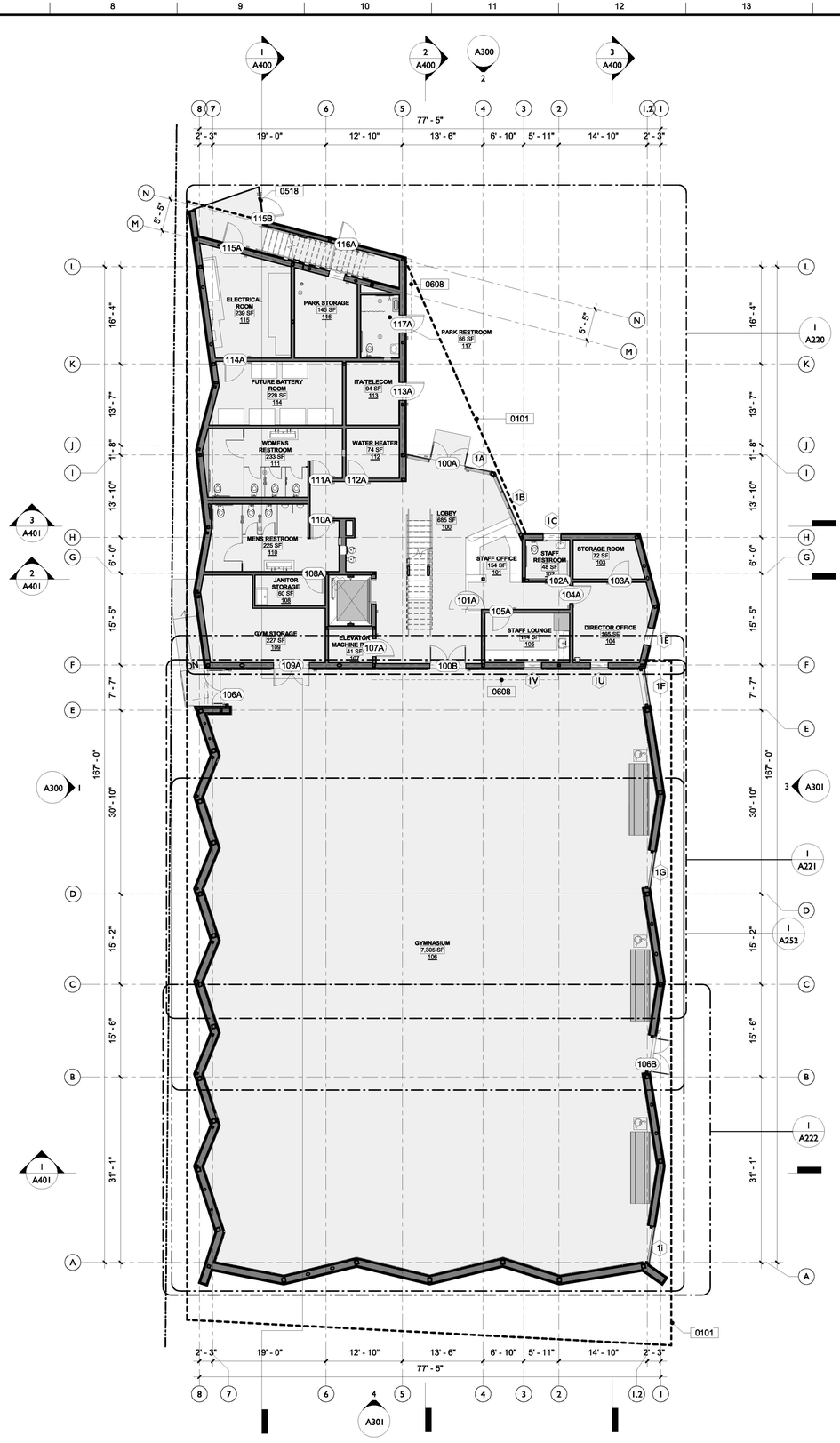


3/32" = 1'-0" 2ND FLOOR PLAN | 2



3/32" = 1'-0" GROUND FLOOR PLAN | 1

LADBS APPROVAL STAMP

0101	ROOF ABOVE.
0518	FENCE AND GATE FACED WITH CORRUGATED PERFORATED METAL (HENDRICK BWC364)
0608	CANTILEVER OF WALKWAY ABOVE

KEYNOTES

SYMBOLS

- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- WALL TAG
- DOOR TAG
- WINDOW / FRAME TAG
- FINISH TAG
- KEYNOTE TAG
- EXTERIOR ELEVATION / SHEET NUMBER
- INTERIOR ELEVATION / SHEET NUMBER
- SECTION NUMBER / SHEET NUMBER
- DETAIL NUMBER / SHEET NUMBER
- CENTER LINE
- CEILING HEIGHT
- ALIGN TWO SURFACES
- EXIT SIGN (ARROW INDC. DIRECTIONAL SIGN)
- REVISION NOTATION
- WORK POINT
- SPRINKLER HEAD
- SPEAKER
- TELEPHONE OUTLET
- ELECT. SWITCH
- DATA OUTLET
- SMOKE DETECTOR
- EXHAUST FAN

BUREAU OF ENGINEERING OFFICIAL RECORD

BUREAU OF ENGINEERING

ENGINEERING CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C12115 Exp. 12.31.23 STATE OF CALIFORNIA

CITY ENGINEER DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: OVERALL FLOOR PLANS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A200

SHEET O F SHEETS

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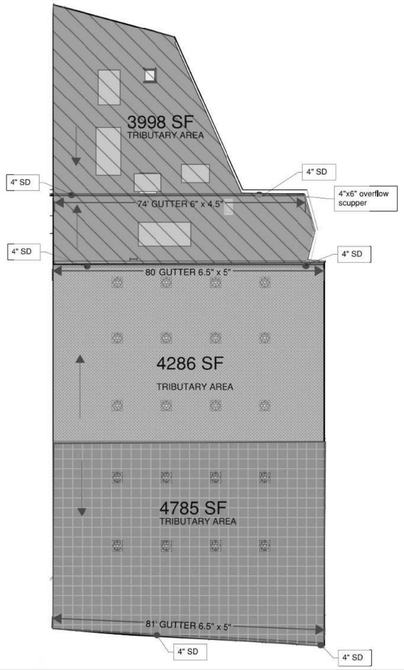
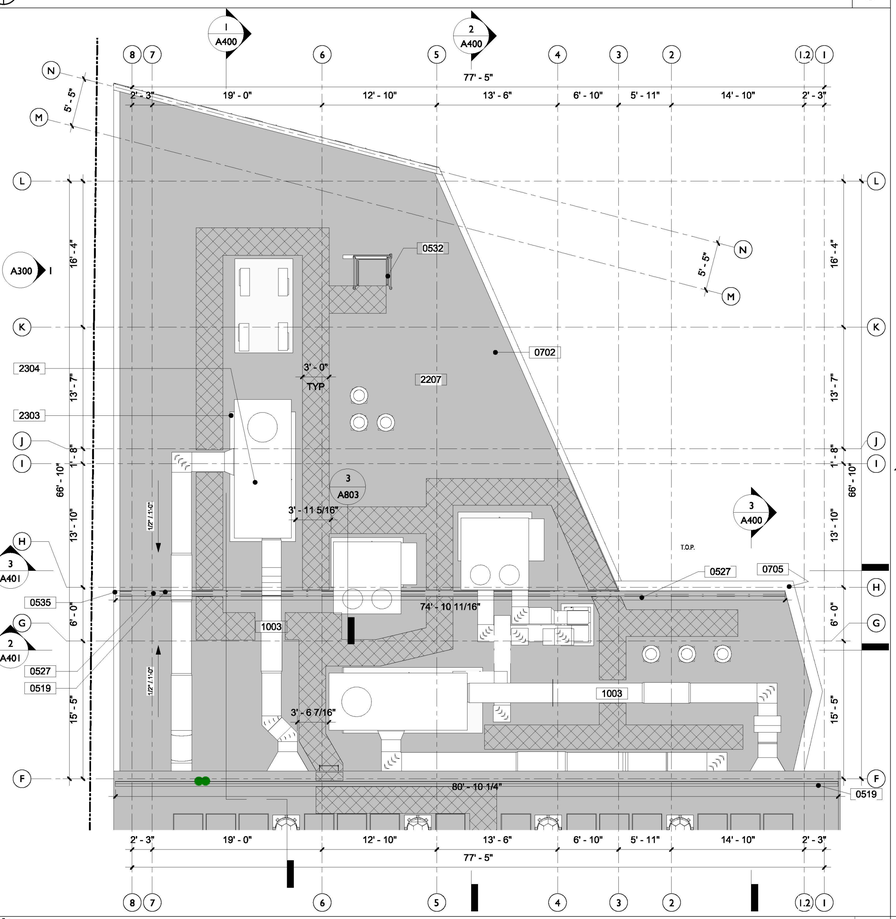
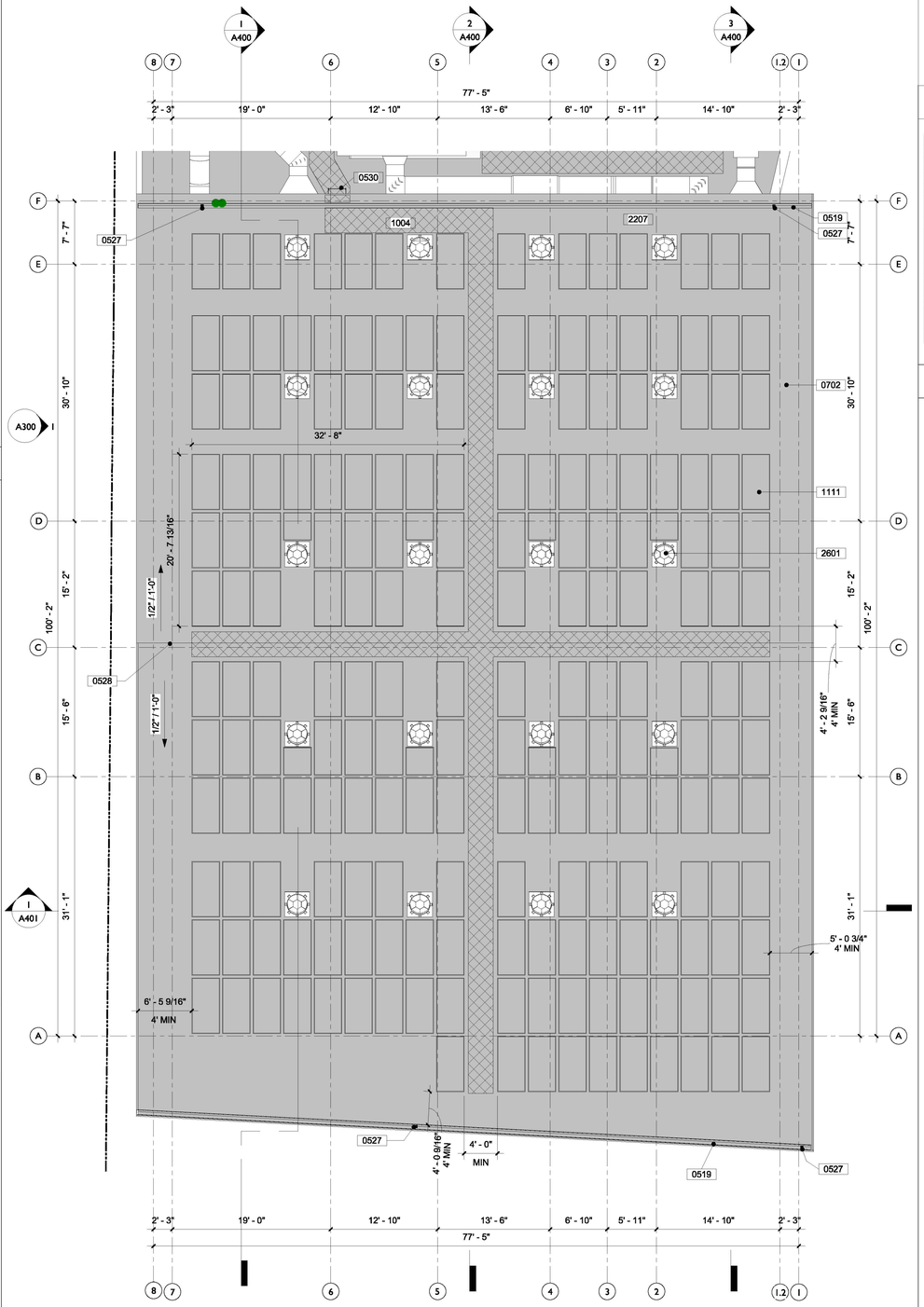


TRIBUTARY AREA DIAGRAM | 3



1/8" = 1'-0" ROOF PLAN NORTH | 2



1/8" = 1'-0" ROOF PLAN SOUTH | I

LADBS APPROVAL STAMP

0519	RECESSED GUTTER WITH GRATE ABOVE (6.5" X 5")
0527	4" SD PER PLUMBING
0528	ROOF RIDGE
0530	LADDER FROM LOW ROOF TO HIGH ROOF
0532	ROOF HATCH WITH GUARDRAIL
0702	SINGLE PLY MEMBRANE ROOF SYSTEM (SARNAFIL G410, ESR-1157)
0705	OVERFLOW SCUPPER (4" X 6")
1003	CROSS OVER BRIDGE REQUIRED (PHP OR ACCEPTED ALTERNATE).
1004	ROOF WALK PATH.
1111	CHANGING STATION
2207	ALL DOWNSPOUTS TO DRAIN TO MAXWELL DRYWELL AND STORM TANK STORAGE - SEE C3.01 AND C3.02
2303	ROOFTOP EQUIPMENT PAD. SEE DETAIL 4/A804.
2304	ROOFTOP HVAC EQUIPMENT. REFER TO M2.02 FOR MECHANICAL DESIGN.
2601	SOLATUBE (SKYVAULT M74 DS)

KEYNOTES

- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- WALL TAG
- DOOR TAG
- WINDOW / FRAME TAG
- FINISH TAG
- KEYNOTE TAG
- EXTERIOR ELEVATION / SHEET NUMBER
- INTERIOR ELEVATION / SHEET NUMBER
- SECTION NUMBER / SHEET NUMBER
- DETAIL NUMBER / SHEET NUMBER
- CENTER LINE
- CEILING HEIGHT
- ALIGN TWO SURFACES
- EXIT SIGN (ARROW INDC. DIRECTIONAL SIGN)
- REVISION NOTATION
- WORK POINT
- SPRINKLER HEAD
- SPEAKER
- TELEPHONE
- OUTLET
- ELECT. SWITCH
- DATA OUTLET
- SMOKE DETECTOR
- EXHAUST FAN

SYMBOLS

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	DATE	BY
1	BID SET	

REVISION DESCRIPTION

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS

DEPARTMENT OF

CITY ENGINEER: DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: OVERALL ROOF PLANS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A201

SHEET 0 OF SHEETS

BUREAU OF ENGINEERING OFFICIAL RECORD

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SHEET ISSUE DATE: 07/16/21
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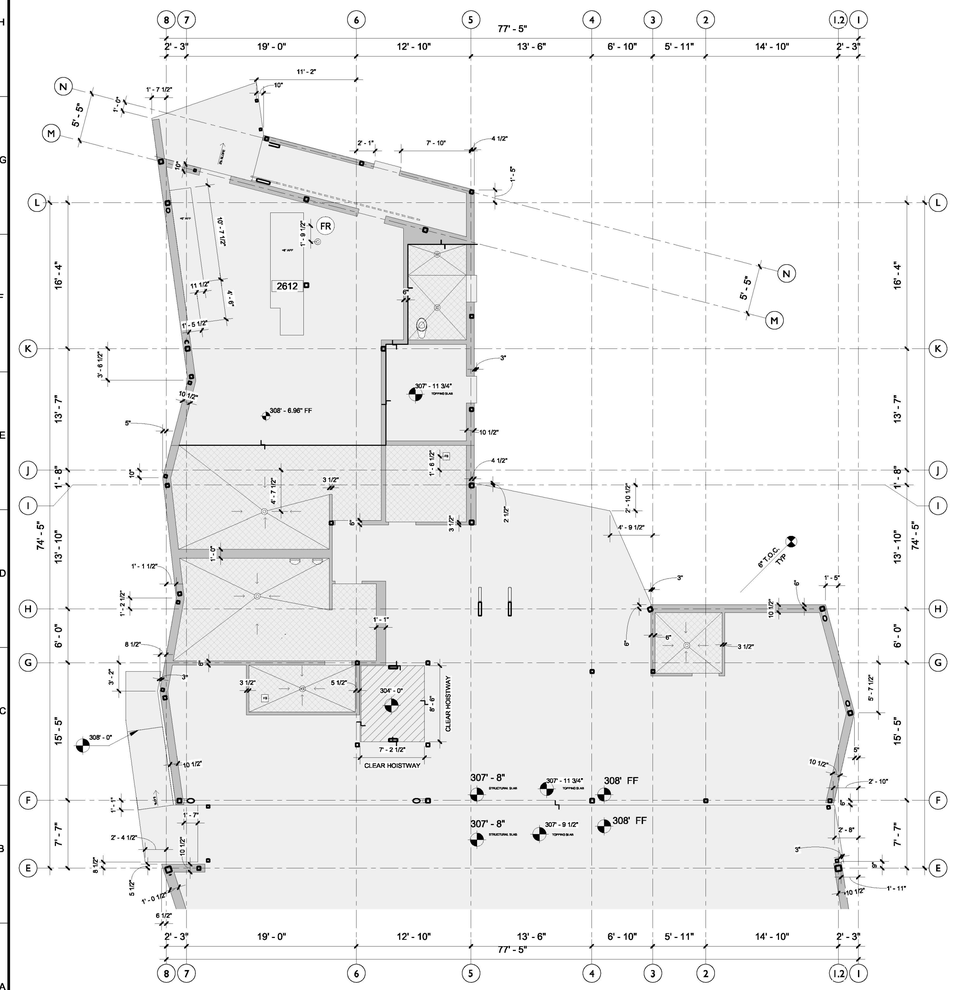
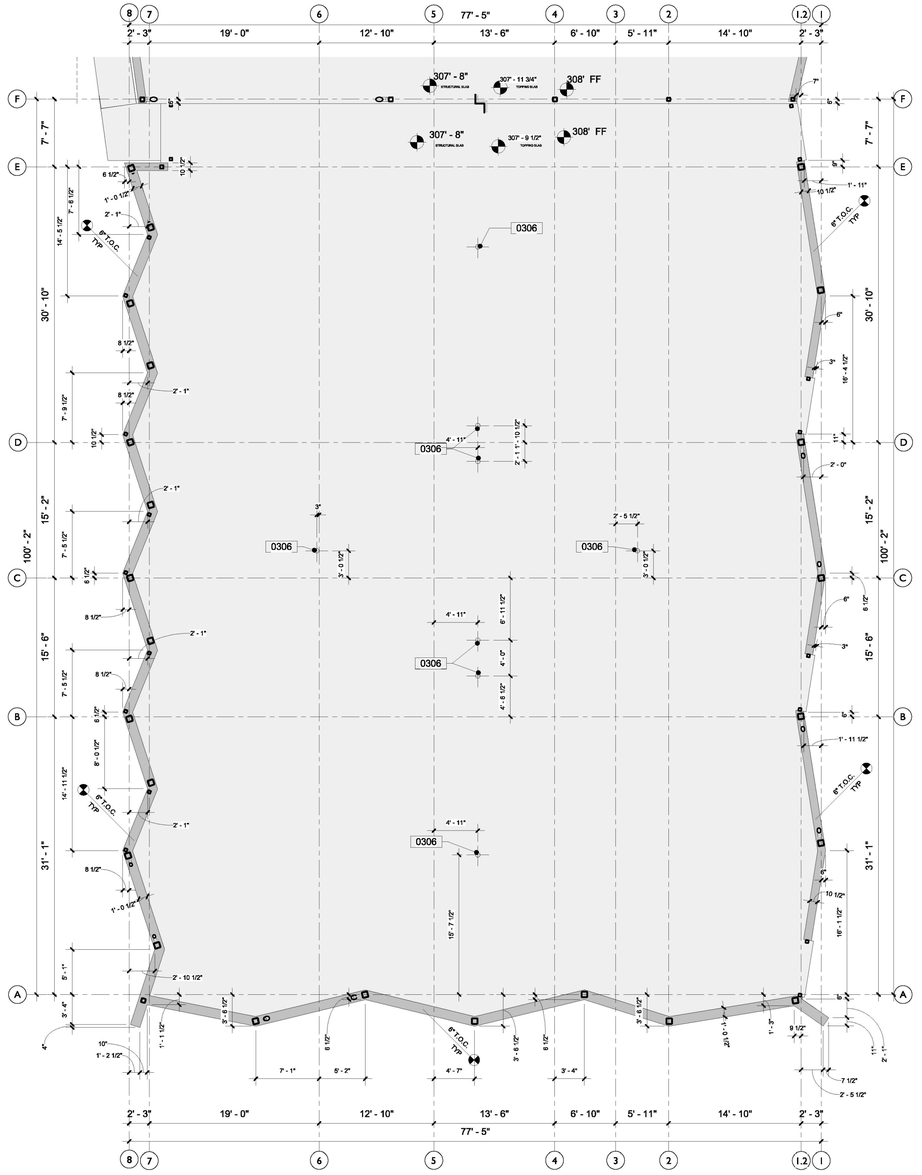
REVISION DATES (DESIGN STAGE ONLY)



1/8" = 1'-0" GROUND SLAB COMMUNITY WING 1



1/8" = 1'-0" GROUND SLAB GYM 2

0306	GROUND SLEEVES FOR POLES PER DETAIL 3/A802
2612	CONCRETE EQUIPMENT PAD FOR PV INVERTER. GC TO COORDINATE SIZE REQUIREMENTS WITH PV DESIGN-BUILD CONTRACTOR FOR INCLUSION IN CONCRETE SHOP DRAWING SUBMITTAL. BASIS OF DESIGN IS SATCON POWERGATE PLUS 250 KW.

* FINISH FLOOR IS AT 308' (UNLESS OTHERWISE NOTED IN FINISH PLAN)

KEYNOTES

AREA DRAIN (2% SLOPE TO DRAIN)
FS FLOOR SINK
FR FIRE RISER
TOC TOP OF CURB
CURB (6" ABOVE ADJACENT FF UNLESS OTHERWISE NOTED)
ELEVATION MARKER
SLAB DEPRESSION
SLOPE TO DRAIN
SLAB/DECK OPENING
MECHANICAL PAD - VERIFY HEIGHT WITH MECHANICAL DRAWINGS

LEGEND - SLAB PLAN

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER:
DATE:
TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SLAB PLAN GROUND

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A202
SHEET 0 OF SHEETS

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SHEET ISSUE DATE: 04/28/23
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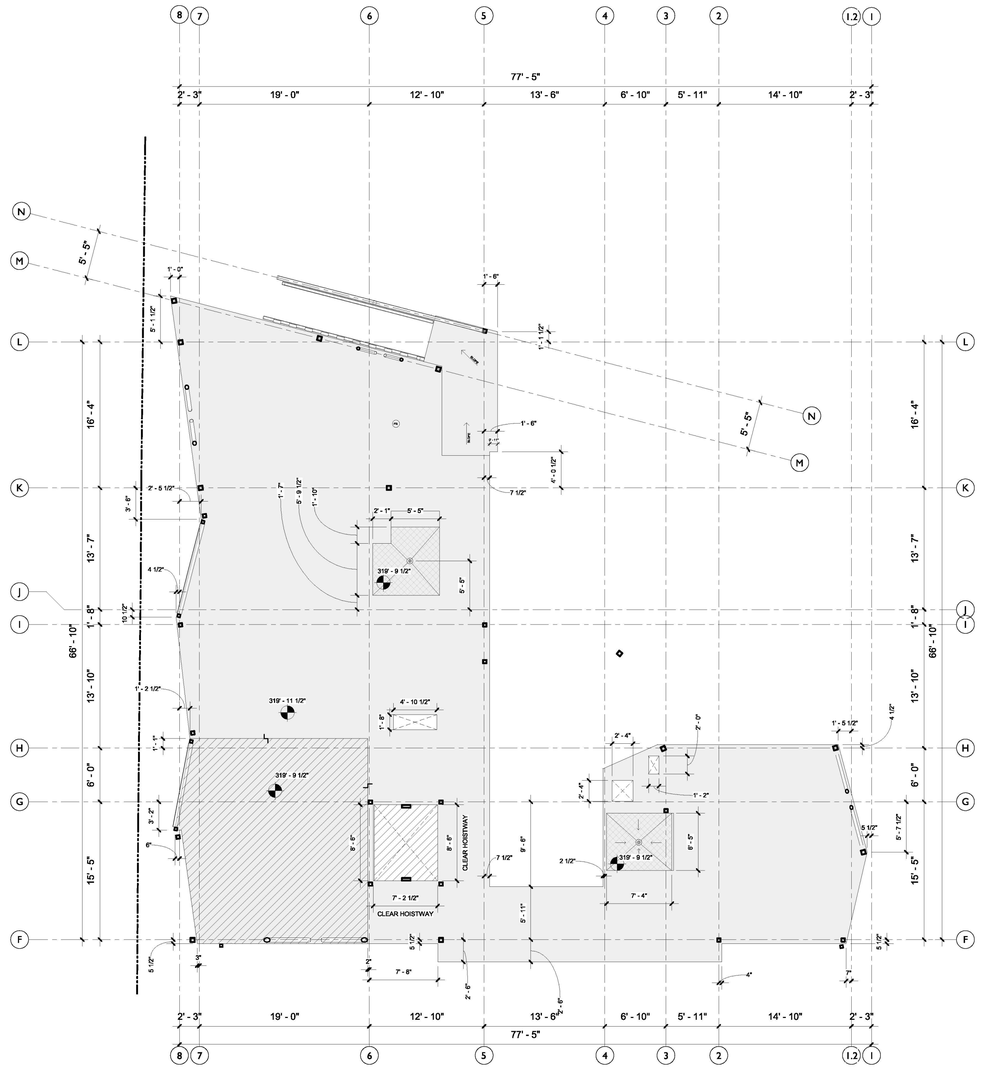

1/8" = 1'-0" LEVEL 2 SLAB COMMUNITY WING

LADBS APPROVAL STAMP

* FINISH FLOOR IS AT 320'

KEYNOTES

BUREAU OF ENGINEERING — CITY OF LOS ANGELES — OFFICIAL RECORD

- AREA DRAIN (2% SLOPE TO DRAIN)
- FS FLOOR SINK
- FR FIRE RISER
- TOC TOP OF CURB
- CURB (6" ABOVE ADJACENT FF UNLESS OTHERWISE NOTED)
- ELEVATION MARKER
- SLAB DEPRESSION
- SLOPE TO DRAIN
- SLAB/DECK OPENING
- MECHANICAL PAD - VERIFY HEIGHT WITH MECHANICAL DRAWINGS

LEGEND - SLAB PLAN

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

ENGINEERING — CITY OF LOS ANGELES

LICENSED ARCHITECT — MICHAEL B. LEHRER — C 12115 — Exp. 12.31.23 — STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS

TED ALLEN, P.E.
CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SLAB PLAN LEVEL 2

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A203

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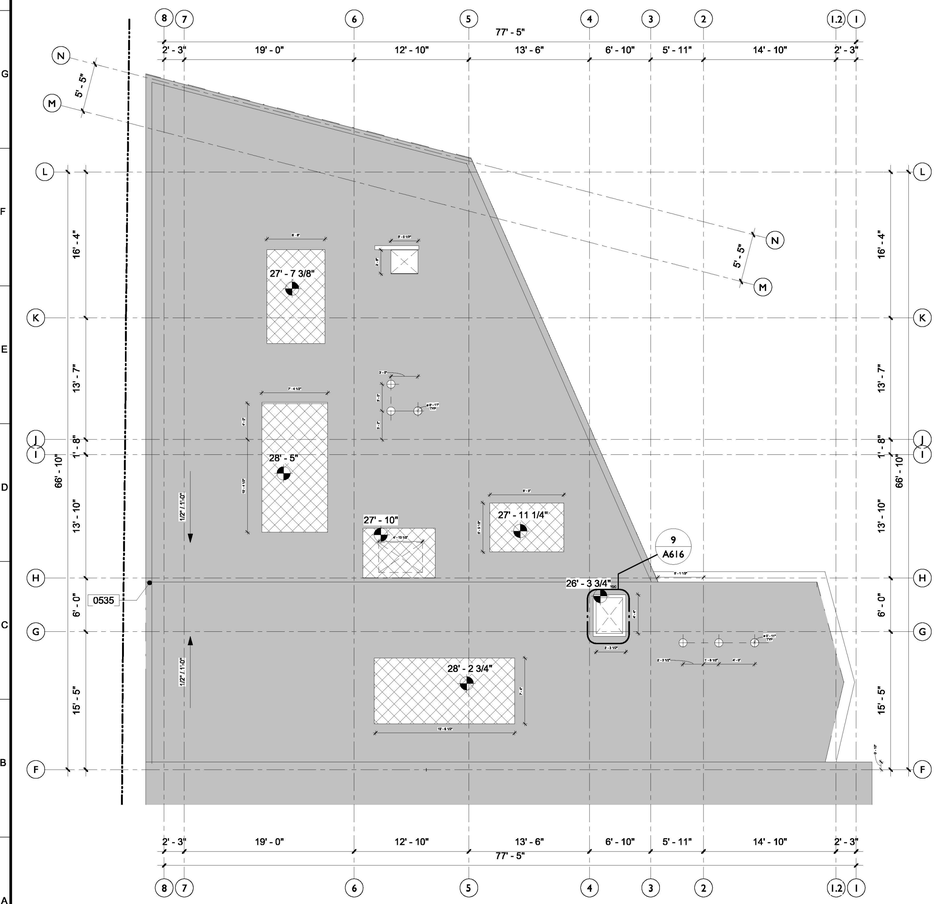
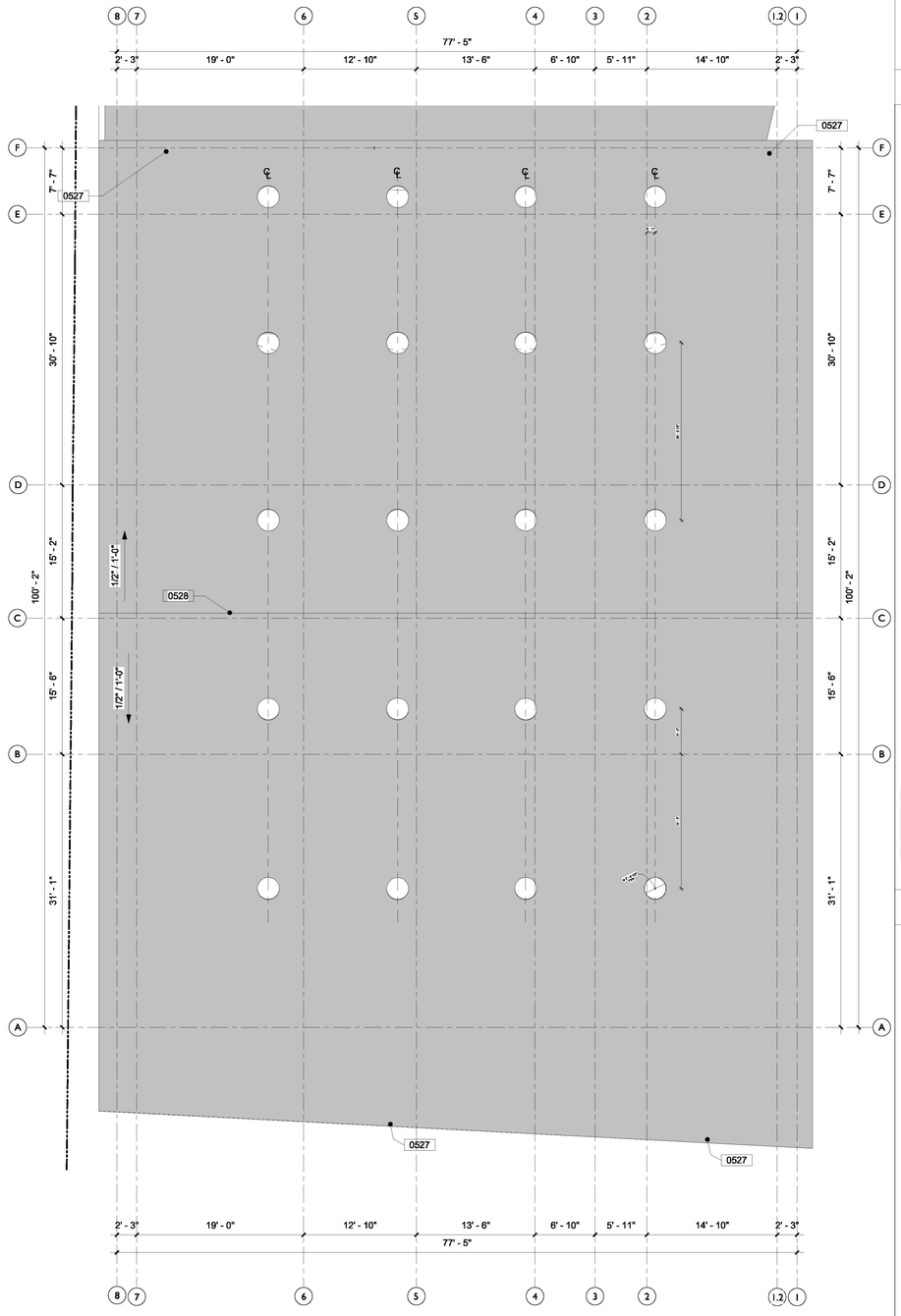


1/8" = 1'-0" ROOF DECK PLAN | 1



0527	4" SD PER PLUMBING
0528	ROOF RIDGE
1003	CROSS OVER BRIDGE REQUIRED (PHP OR ACCEPTED ALTERNATE).
2304	ROOFTOP HVAC EQUIPMENT. REFER TO M2.02 FOR MECHANICAL DESIGN.

1/8" = 1'-0" ROOF DECK PLAN SOUTH | 2

KEYNOTES

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

AREA DRAIN (2% SLOPE TO DRAIN)
FS FLOOR SINK
FR FIRE RISER
TOC TOP OF CURB
CURB (6" ABOVE ADJACENT FF UNLESS OTHERWISE NOTED)
ELEVATION MARKER
SLAB DEPRESSION
SLOPE TO DRAIN
SLAB/DECK OPENING
MECHANICAL PAD - VERIFY HEIGHT WITH MECHANICAL DRAWINGS

LEGEND - SLAB PLAN

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER:
DATE:

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: SLAB PLAN ROOF

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A204
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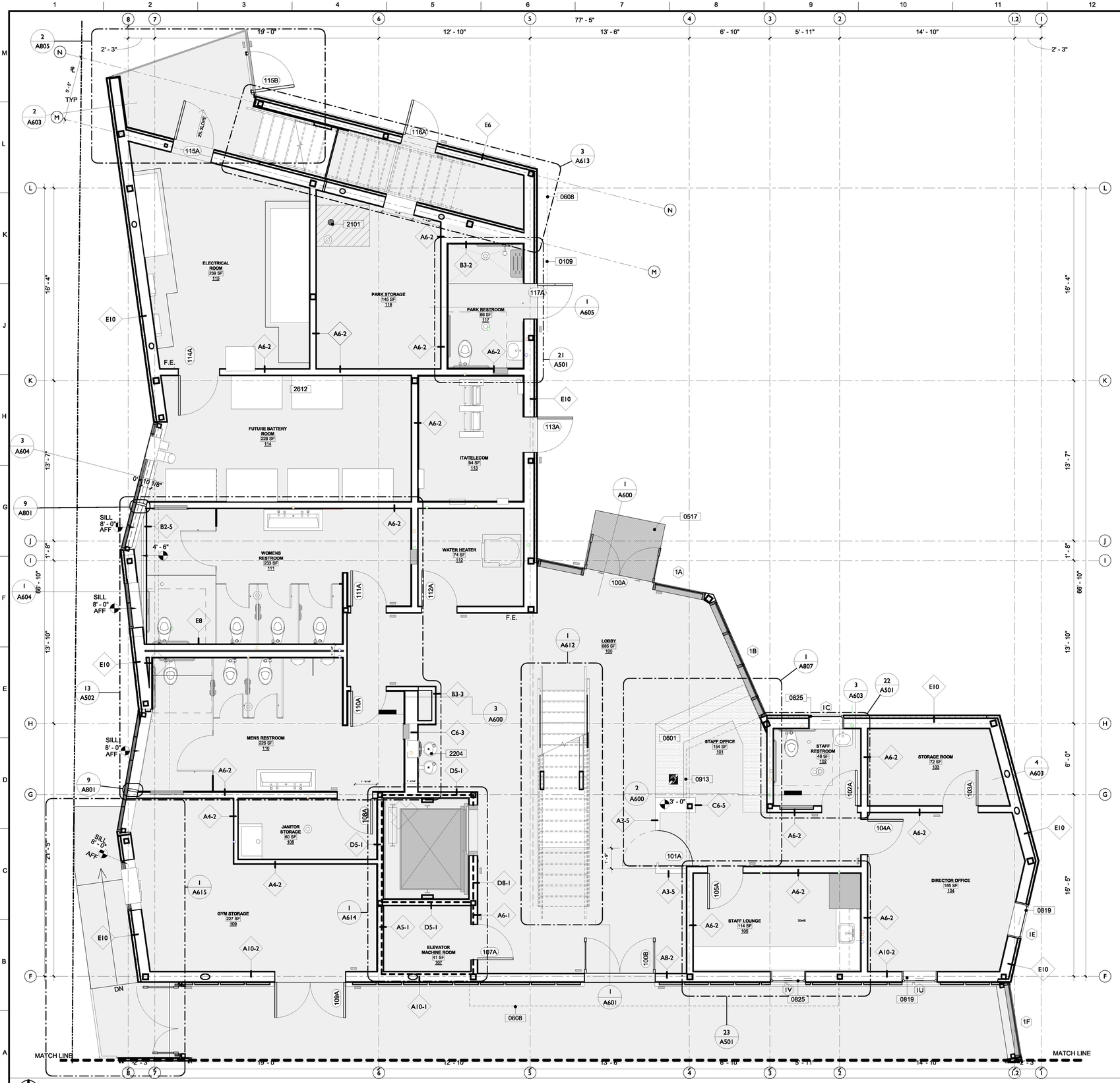

1/4" = 1'-0" GROUND FLOOR - ENLARGED

LADBS APPROVAL STAMP

0109	BALCONY SHOWN DASHED ABOVE
0517	RECESSED ENTRY MAT
0601	CASEWORK
0608	CANTILEVER OF WALKWAY ABOVE
0819	ROLLER SHADE (MANUAL CONTROL, SURFACE MOUNTED)
0825	FROSTED GLASS
0913	SOFFIT ABOVE
2101	FIRE RISER AND CLEARANCE
2204	DRINKING FOUNTAIN
2612	CONCRETE EQUIPMENT PAD FOR PV INVERTER. GC TO COORDINATE SIZE REQUIREMENTS WITH PV DESIGN-BUILD CONTRACTOR FOR INCLUSION IN CONCRETE SHOP DRAWING SUBMITTAL. BASIS OF DESIGN IS SATCON POWERGATE PLUS 250 KW.

KEYNOTES

BUREAU OF ENGINEERING — OFFICIAL RECORD

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- II — WALL TAG
- 101 — DOOR TAG
- II — WINDOW / FRAME TAG
- XX — FINISH TAG
- XXXX — KEYNOTE TAG
- F.E. — SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

LEGEND - FLOOR PLAN

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT — MICHAEL B. LEHRER — C12115 — Exp. 12.31.23 — STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
DATE:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED PLANS - GROUND - SERVICE WING

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A220

SHEET OF SHEETS

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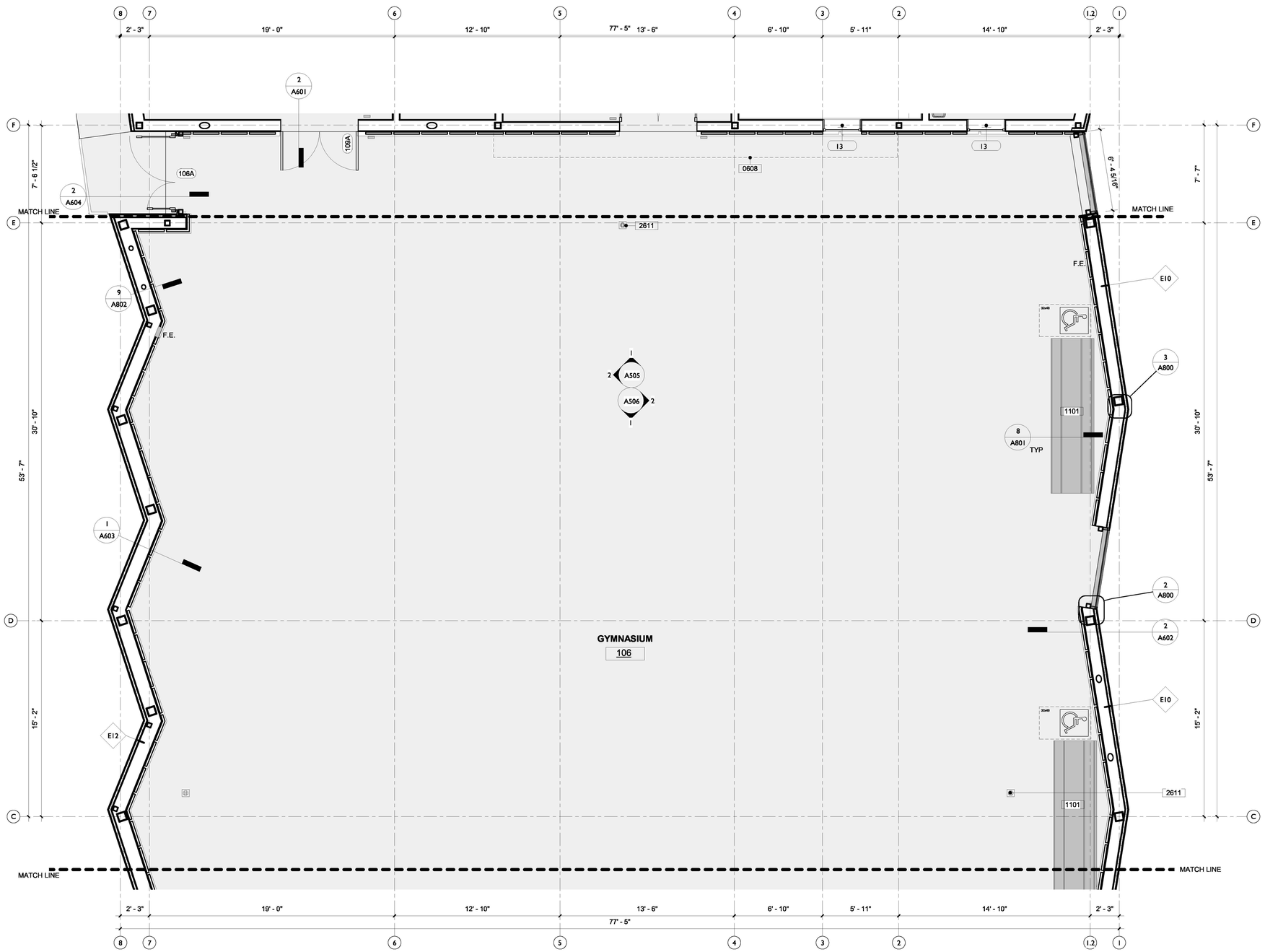
SHEET ISSUE DATE: 08/19/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt



1/4" = 1'-0" GROUND FLOOR - NORTH ENLARGED GYM

LADBS APPROVAL STAMP

0608	CANTILEVER OF WALKWAY ABOVE
1101	ALUMINUM BLEACHERS - 2 ROWS OF SEATS, 12' LONG, TIP AND ROLL - NRC TR-0212PRF OR APPROVED EQUAL
2611	FLOOR OUTLET

KEYNOTES

BUREAU OF ENGINEERING — OFFICIAL RECORD

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- II — WALL TAG
- 101 — DOOR TAG
- II — WINDOW / FRAME TAG
- XX — FINISH TAG
- XXXX — KEYNOTE TAG
- F.E. — SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

LEGEND - FLOOR PLAN

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
CITY ENGINEER
DATE:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ENLARGED PLANS - GROUND - GYM NORTH
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A221
SHEET O F SHEETS

REVISION DATES (DESIGN STAGE ONLY)

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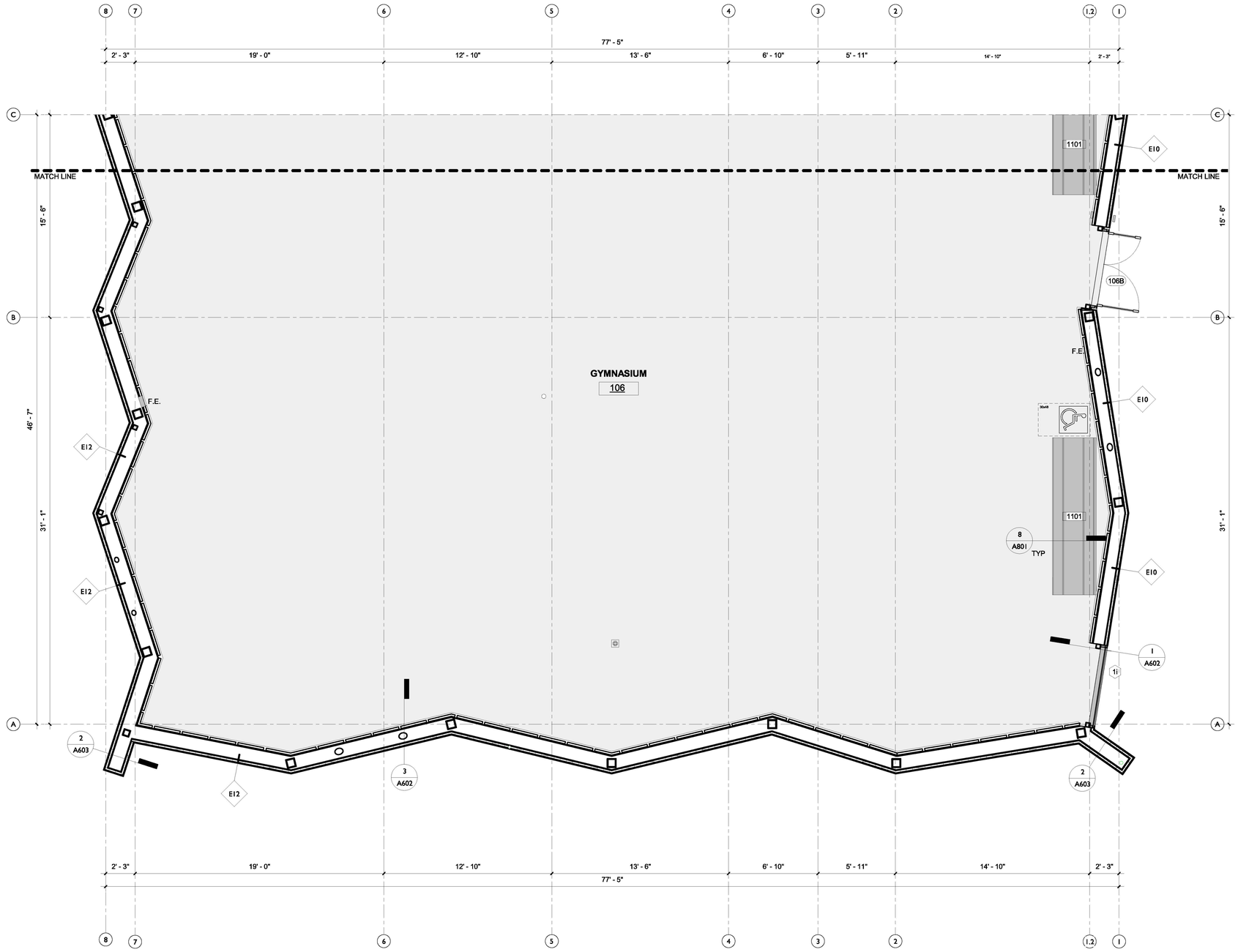

1/4" = 1'-0" GROUND FLOOR - SOUTH ENLARGED GYM

LADBS APPROVAL STAMP

1101	ALUMINUM BLEACHERS - 2 ROWS OF SEATS, 12' LONG, TIP AND ROLL - NRC TR-0212PRF OR APPROVED EQUAL

KEYNOTES

BUREAU OF ENGINEERING
OFFICIAL RECORD

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- ii — WALL TAG
- 101 — DOOR TAG
- ii — WINDOW / FRAME TAG
- XX — FINISH TAG
- XXXX — KEYNOTE TAG
- F.E. — SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

LEGEND - FLOOR PLAN

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/19/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
DEPARTMENT OF PUBLIC
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER

		DATE:
ARCHITECTURAL DIVISION		
ARCHITECT: MICHAEL B. LEHRER, FAIA	LIC. NO.: C12115	
DESIGNED BY: MBL		
DRAWN BY: ARC		
CHECKED BY: STAFF		
APPROVED BY:		

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ENLARGED PLANS - GROUND - GYM SOUTH

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A222
SHEET O F SHEETS

PLOTTED:6/25/2024 2:43:44 PM



LADBS APPROVAL STAMP

0819	ROLLER SHADE (MANUAL CONTROL, SURFACE MOUNTED)
0827	12" TALL FURRING IN FRONT OF SPANDREL (ALIGNS WITH TOP OF SPANDREL)
1113	CEILING MOUNTED BASKETBALL HOOP & BACKBOARD
2101	FIRE RISER AND CLEARANCE
2609	RECESSED WALL LIGHT (LIGMAN ULE-40611 OR APPROVED EQUAL)
2610	WALL SCONCE

KEYNOTES

BUREAU OF ENGINEERING — OFFICIAL RECORD

- PROPERTY LINE
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- EXISTING STRUCTURE TO REMAIN
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- 101 — DOOR TAG
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- XXXX — KEYNOTE TAG
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LEGEND - FLOOR PLAN

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SHEET ISSUE DATE: 08/19/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES: (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT — MICHAEL B. LEHRER — C12115 — Exp. 12.31.23 — STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS — DEPARTMENT OF PUBLIC WORKS — CITY OF LOS ANGELES

ENGINEERING — CITY OF LOS ANGELES

CITY ENGINEER
DATE:

TED ALLEN, P.E.

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED PLANS - LEVEL 2 - SERVICE WING

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

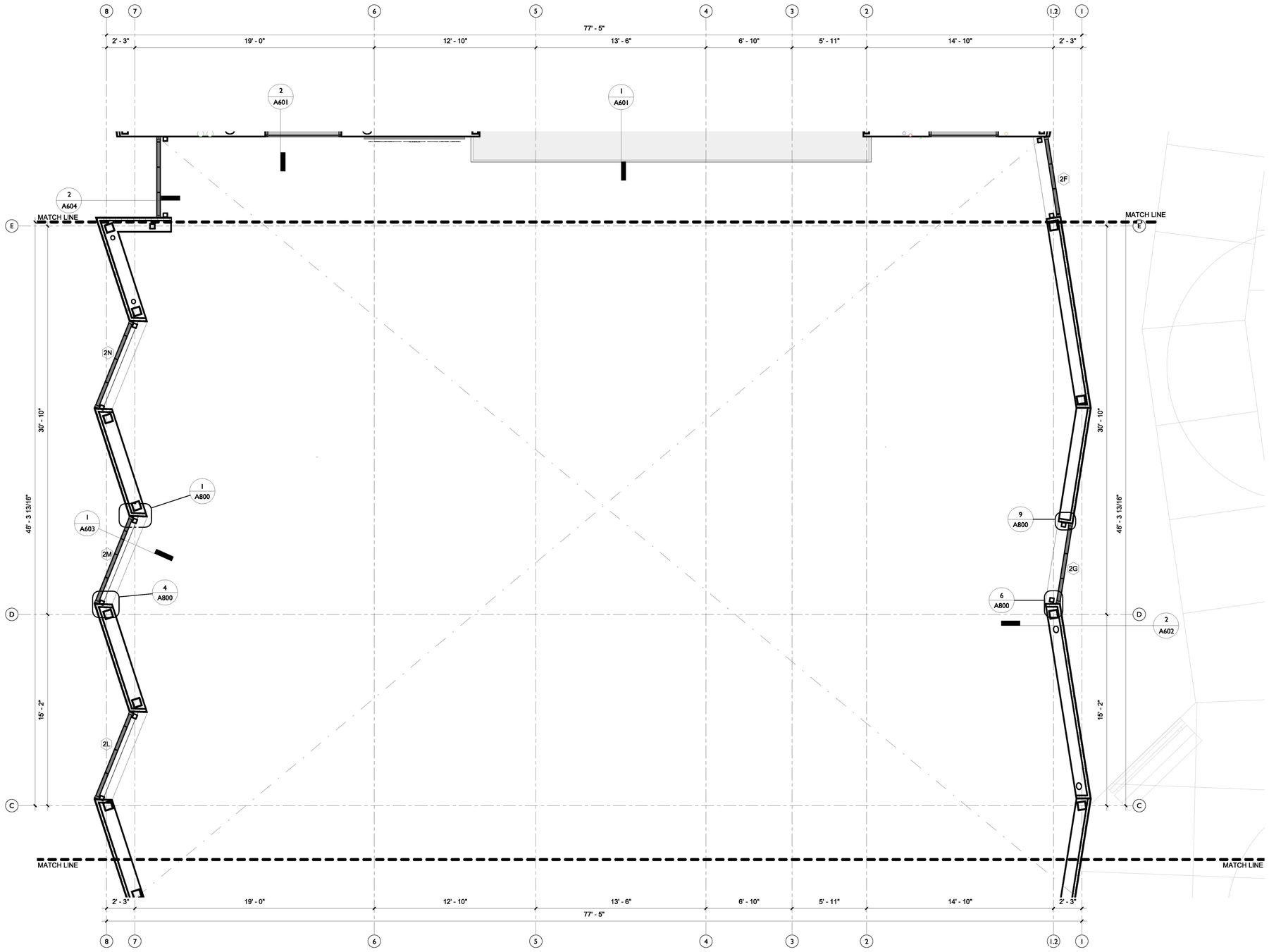
WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A223

SHEET O F SHEETS

PLOTTED:8/25/2024 2:43:54 PM



1/4" = 1'-0" LEVEL 2 - NORTH ENLARGED GYM

PROPERTY LINE
ROOF ABOVE
1HR SHAFT WALL
EXISTING STRUCTURE TO REMAIN
NEW CONSTRUCTION FULL HEIGHT WALLS
NEW CONSTRUCTION PARTIAL HEIGHT WALLS
WALL TAG
DOOR TAG
WINDOW / FRAME TAG
FINISH TAG
KEYNOTE TAG
F.E. SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

LEGEND - FLOOR PLAN

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 09/11/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C 12115 Exp. 12.31.23 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES
TED ALLEN, P.E.

CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED PLANS - GYM CLERESTORY NORTH

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A224
SHEET OF SHEETS

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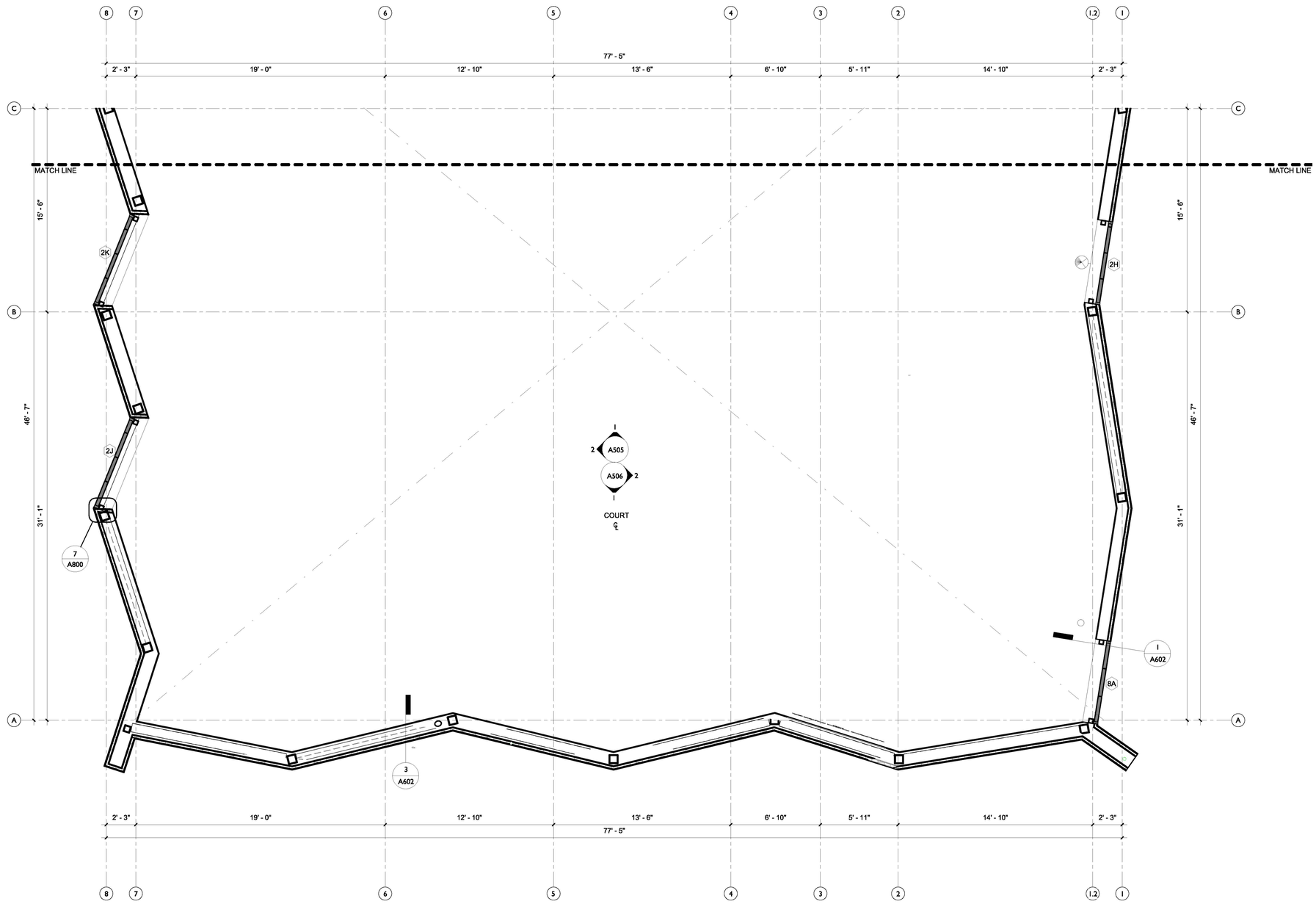

1/4" = 1'-0" LEVEL 2 - GYM SOUTH

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- Ii — WALL TAG
- 101 — DOOR TAG
- Ii — WINDOW / FRAME TAG
- XX — FINISH TAG
- XXXX — KEYNOTE TAG
- F.E. — SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

LEGEND - FLOOR PLAN

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/05/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED PLANS - GYM CLERESTORY SOUTH

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A225
SHEET O F SHEETS

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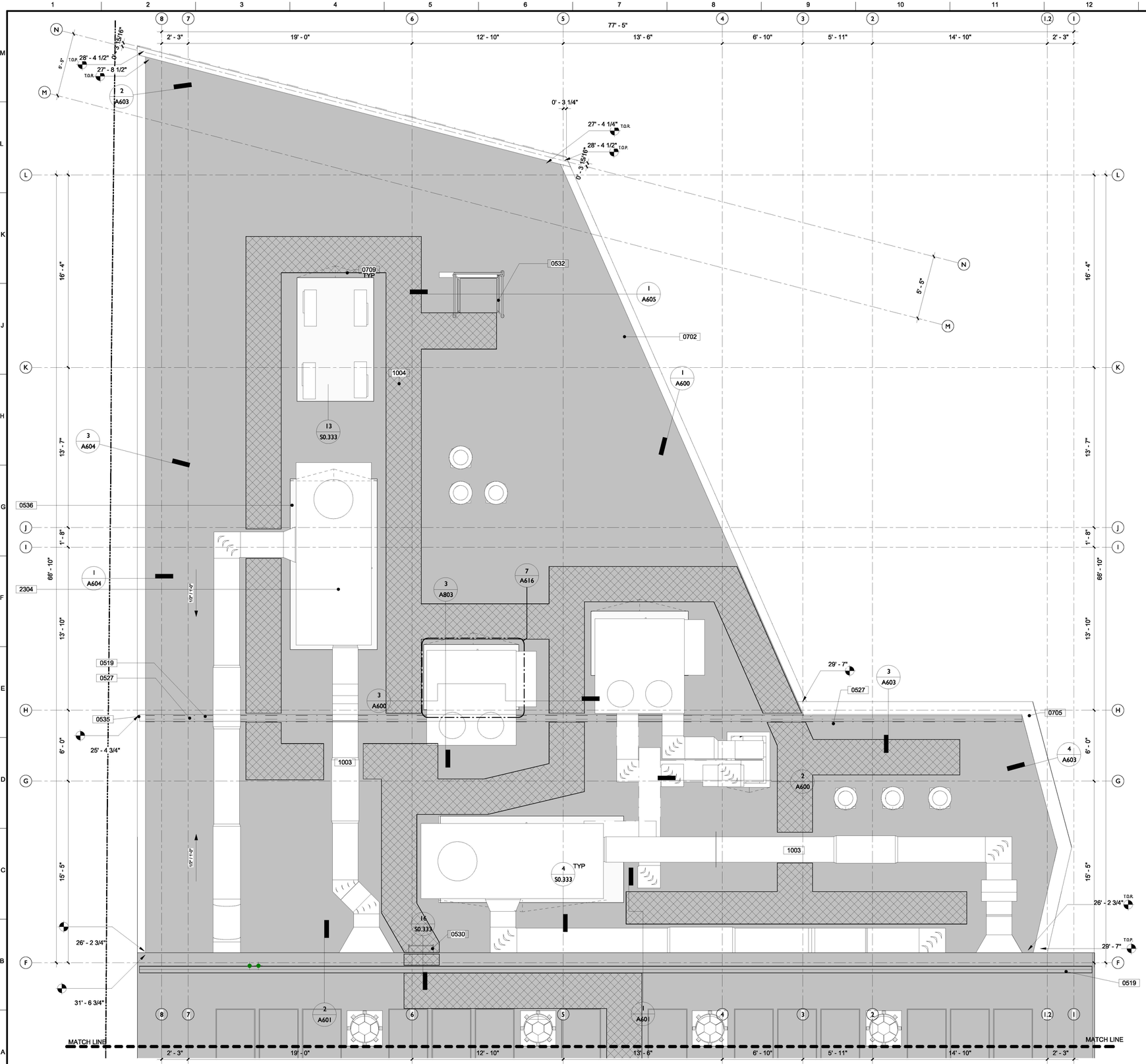
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 05/28/23
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt



1/4" = 1'-0" ROOF PLAN NORTH

LADBS APPROVAL STAMP

0519	RECESSED GUTTER WITH GRATE ABOVE (6.5" X 5")
0530	LADDER FROM LOW ROOF TO HIGH ROOF
0532	ROOF HATCH WITH GUARDRAIL
0536	PITCHED ISOLATION CURBS (STEEL BENT PLATE) WITH THYBAR VIBRO VIBRATION ISOLATOR
0705	OVERFLOW SCUPPER (4" X 6")
0709	CRICKET
1003	CROSS OVER BRIDGE REQUIRED (PHP OR ACCEPTED ALTERNATE).
2304	ROOFTOP HVAC EQUIPMENT. REFER TO M2.02 FOR MECHANICAL DESIGN.

KEYNOTES

T.O.P TOP OF PARAPET
T.O.R TOP OF ROOF

ABBREVIATIONS

BUREAU OF ENGINEERING — OFFICIAL RECORD

LEGEND - FLOOR PLAN

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- WALL TAG
- DOOR TAG
- WINDOW / FRAME TAG
- FINISH TAG
- KEYNOTE TAG
- F.E. SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

REVISION DATES (DESIGN STAGE ONLY)

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING — CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
1		BID SET	

BUILDING NO. -
INDEX NO. RP-300126

LICENSED ARCHITECT — MICHAEL B. LEHRER — C12115 — Exp. 12.31.23 — STATE OF CALIFORNIA

CITY ENGINEER: DATE:

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES
CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ENLARGED PLANS - ROOF - SERVICE WING
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A226
SHEET OF SHEETS

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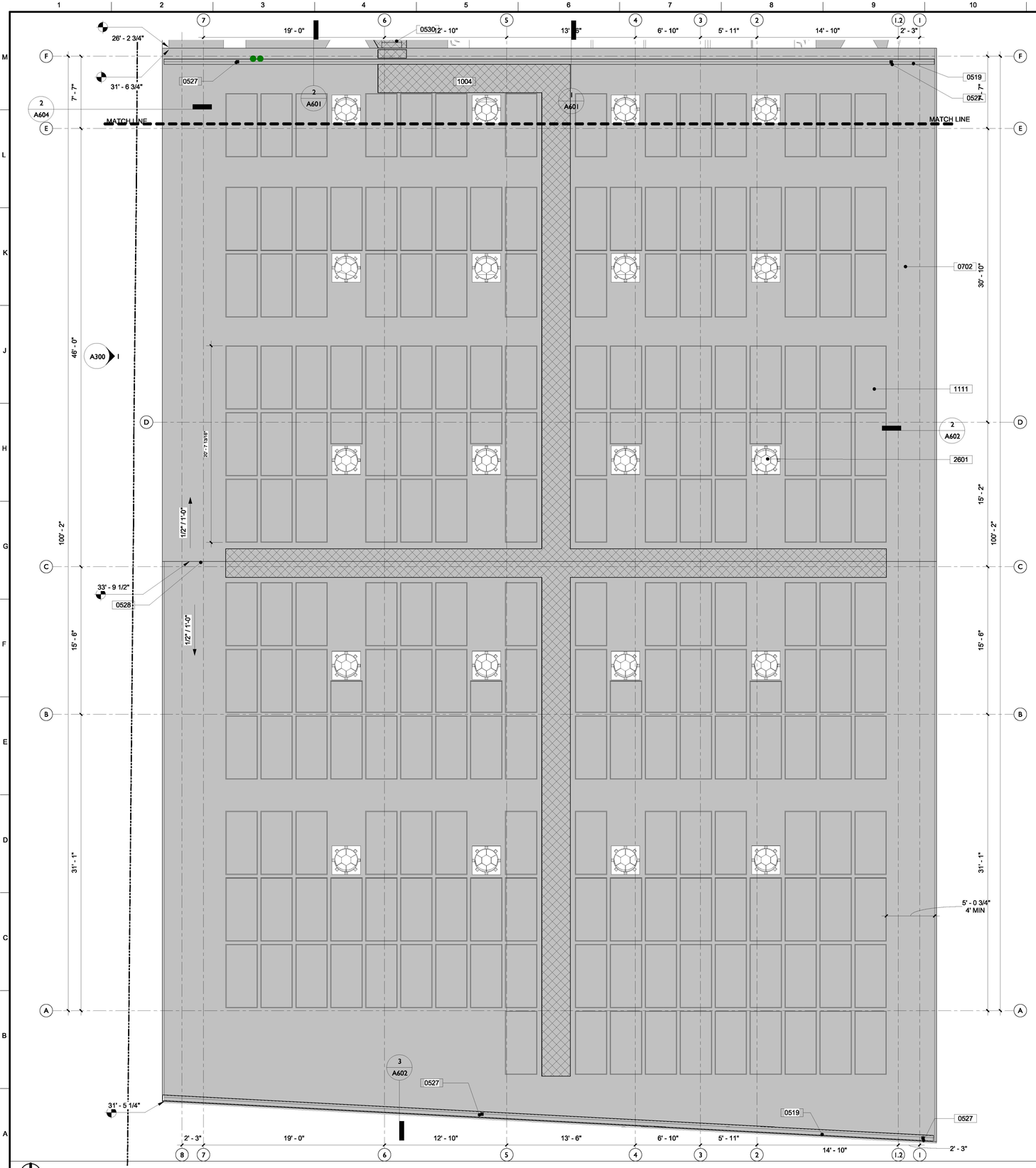

3/16" = 1'-0" ROOF PLAN SOUTH

LADBS APPROVAL STAMP

0519	RECESSED GUTTER WITH GRATE ABOVE (6.5" X 5")
0527	4" SD PER PLUMBING
0528	ROOF RIDGE
0530	LADDER FROM LOW ROOF TO HIGH ROOF
0702	SINGLE PLY MEMBRANE ROOF SYSTEM (SARNAFIL G410, ESR-1157)
1004	ROOF WALK PATH
1111	CHANGING STATION
2601	SOLATUBE (SKYVAULT M74 DS)

KEYNOTES

T.O.P TOP OF PARAPET
T.O.R TOP OF ROOF

ABBREVIATIONS

BUREAU OF ENGINEERING OFFICIAL RECORD

PROPERTY LINE
ROOF ABOVE
1HR SHAFT WALL
EXISTING STRUCTURE TO REMAIN
NEW CONSTRUCTION FULL HEIGHT WALLS
NEW CONSTRUCTION PARTIAL HEIGHT WALLS
WALL TAG
DOOR TAG
WINDOW / FRAME TAG
FINISH TAG
KEYNOTE TAG
F.E. SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

LEGEND - FLOOR PLAN

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 05/28/23
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
1	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C12115 Exp. 12.31.23 STATE OF CALIFORNIA

PUBLIC WORKS
BUREAU OF ENGINEERING
DEPARTMENT OF
CITY OF LOS ANGELES
ENGINEERING
CITY OF LOS ANGELES

CITY ENGINEER: TED ALLEN, P.E.
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED PLANS - ROOF - GYM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A227
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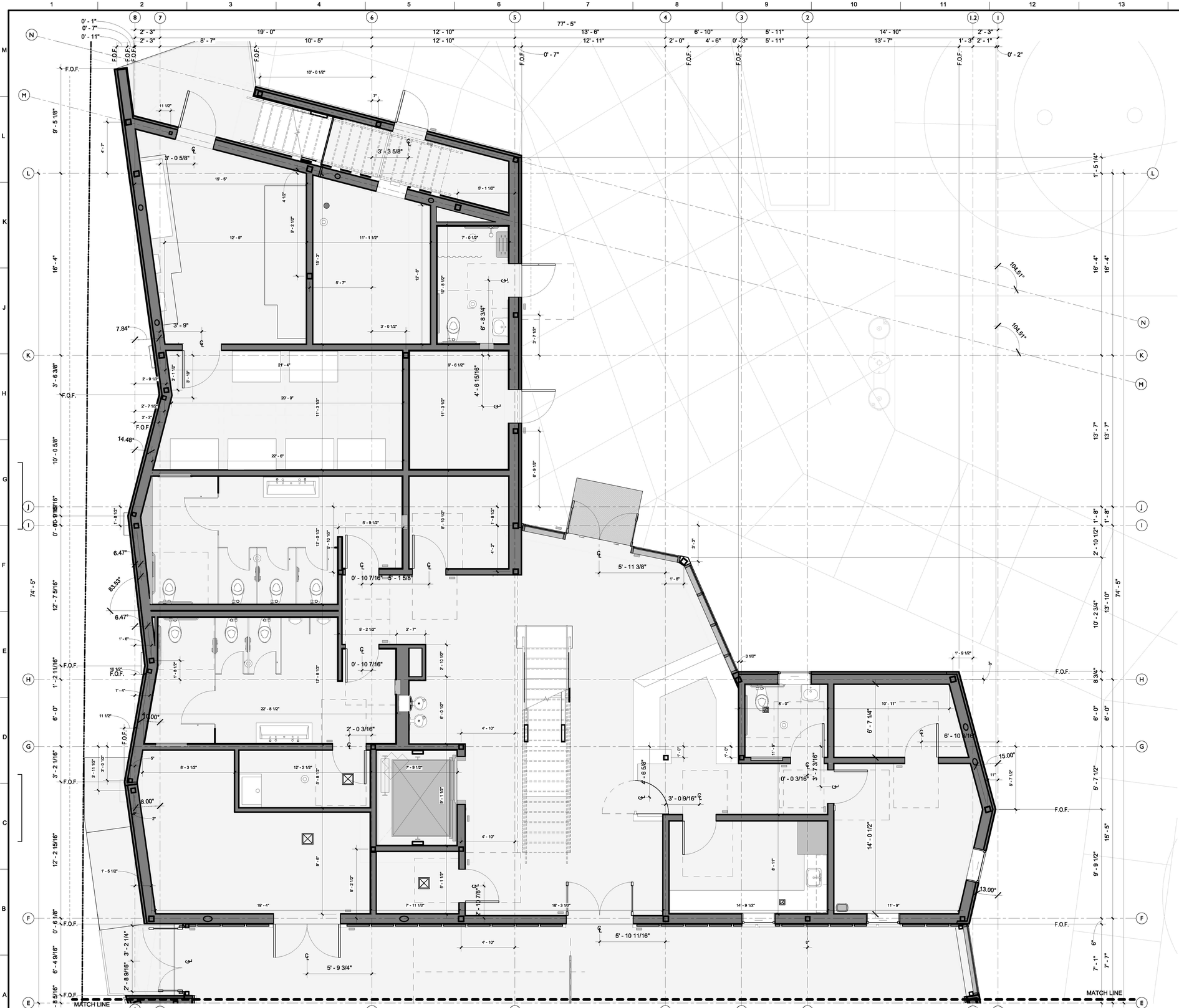

1/4" = 1'-0" GROUND FLOOR - ENLARGED STAFF & SERVICES DIMENSIONS

LADBS APPROVAL STAMP

SHEET NOTES:

- ALL DIMENSIONS ARE TO F.O.S. OR F.O.M. U.N.O.
- ALL DIMENSIONS INDICATED AS "CLR" ARE FROM FINISH TO FINISH.
- COLUMNS ARE DIMENSIONED CENTER POINT OF COLUMN.
- ADDITIONAL DIMENSIONS SHOWN ON ENLARGED PLANS.

NOTES

F.O.S.	FACE OF STUD
F.O.M.	FACE OF MULLION
CLR.	CLEAR
F.O.F.	FACE OF FINISH
U.N.O.	UNLESS NOTED OTHERWISE

ABBREVIATIONS

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- li — WALL TAG
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- XX — FINISH TAG
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- F.E. — SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

BUREAU OF ENGINEERING — OFFICIAL RECORD

LEGEND - FLOOR PLAN

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt
SHEET ISSUE DATE: 10/23/20

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

PUBLIC WORKS

DEPARTMENT OF

CITY ENGINEER:
DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DIMENSION PLAN - FIRST FLOOR - STAFF AND COMMUNITY

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A228
SHEET 0 OF SHEETS

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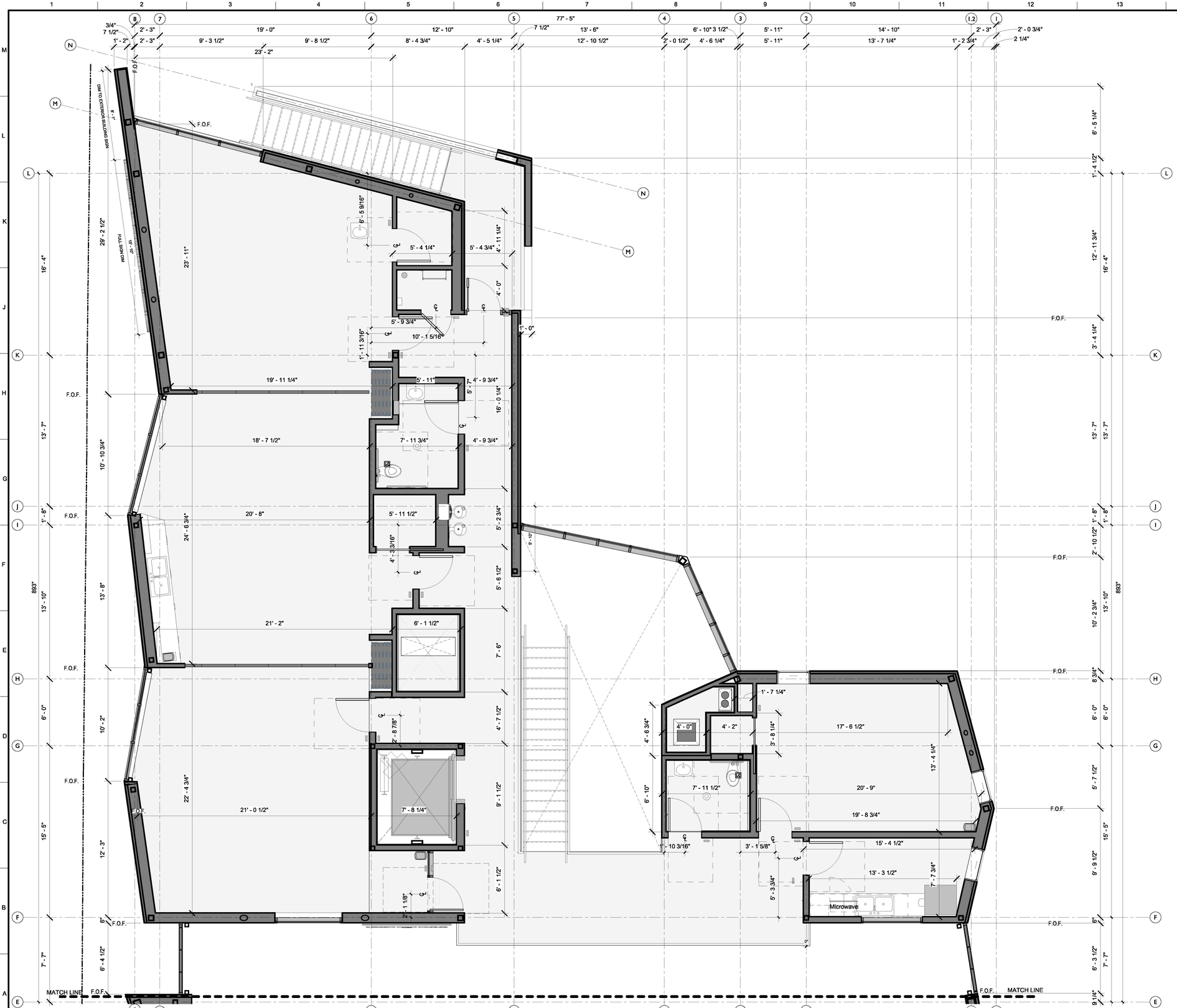

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SHEET ISSUE DATE: 10/23/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

1/4" = 1'-0" LEVEL 2 - ENLARGED STAFF & SERVICES DIMENSIONS

LADBS APPROVAL STAMP

SHEET NOTES:

- ALL DIMENSIONS ARE TO F.O.S. OR F.O.M. U.N.O.
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- COLUMNS ARE DIMENSIONED CENTER POINT OF COLUMN.
- ADDITIONAL DIMENSIONS SHOWN ON ENLARGED PLANS.

NOTES

F.O.S.	FACE OF STUD
F.O.M.	FACE OF MULLION
CLR	CLEAR
F.O.F.	FACE OF FINISH
U.N.O.	UNLESS NOTED OTHERWISE

ABBREVIATIONS

LEGEND - FLOOR PLAN

- PROPERTY LINE
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BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: TED ALLEN, P.E.
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DIMENSION PLAN - SECOND FLOOR - STAFF AND COMMUNITY

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A229
SHEET O F SHEETS

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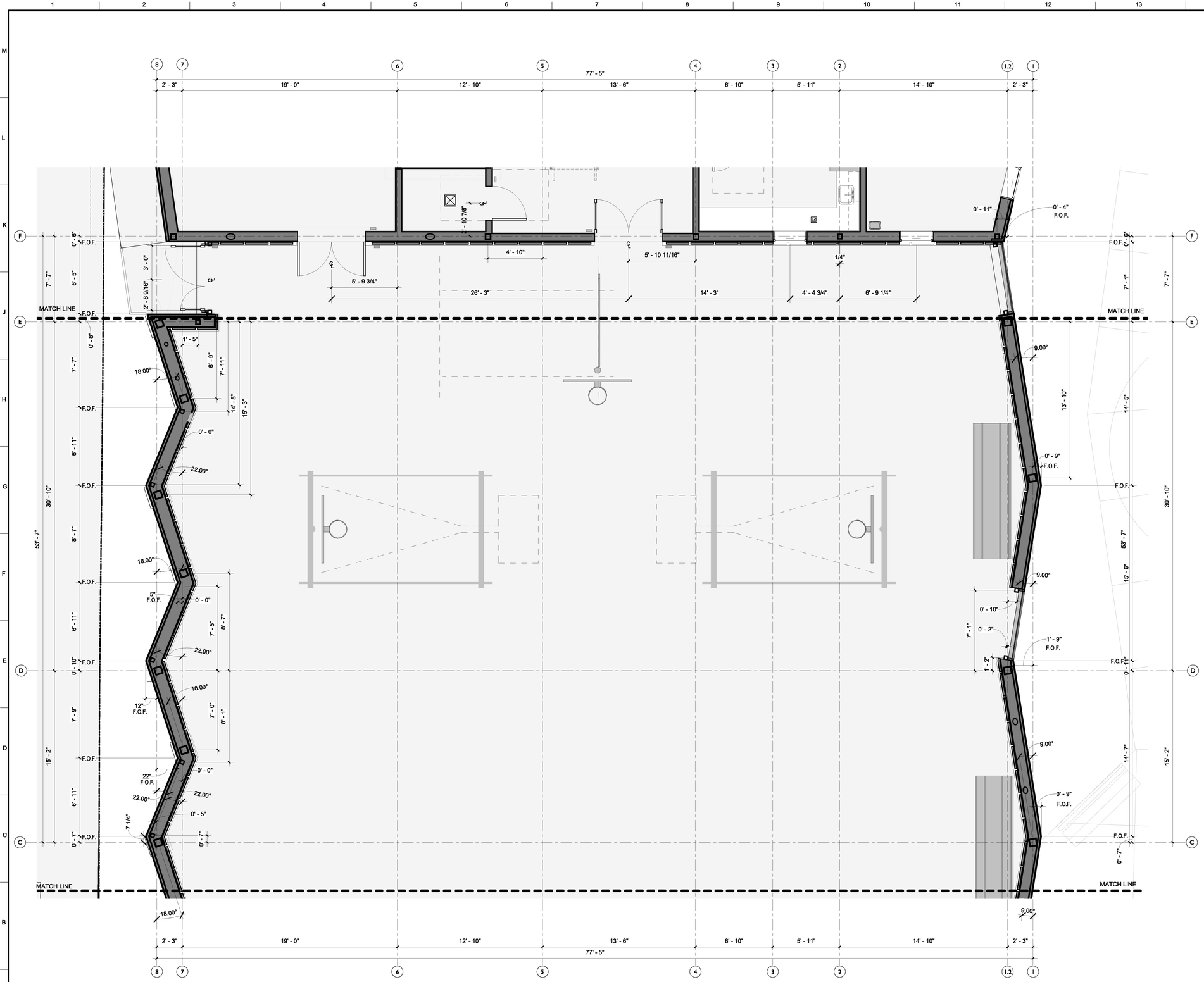

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/23/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

1/4" = 1'-0" GROUND FLOOR - NORTH ENLARGED GYM DIMENSIONS

LADBS APPROVAL STAMP

SHEET NOTES:

- ALL DIMENSIONS ARE TO F.O.S. OR F.O.M. U.N.O.
- ALL DIMENSIONS INDICATED AS "CLR" ARE FROM FINISH TO FINISH.
- COLUMNS ARE DIMENSIONED CENTER POINT OF COLUMN.
- ADDITIONAL DIMENSIONS SHOWN ON ENLARGED PLANS.

NOTES

F.O.S.	FACE OF STUD
F.O.M.	FACE OF MULLION
CLR.	CLEAR
F.O.F.	FACE OF FINISH
U.N.O.	UNLESS NOTED OTHERWISE

ABBREVIATIONS

LEGEND - FLOOR PLAN

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
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- XX — FINISH TAG
- XXXX — KEYNOTE TAG
- F.E. — SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

BUREAU OF ENGINEERING OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: DIMENSION PLAN - FIRST FLOOR - GYM NORTH

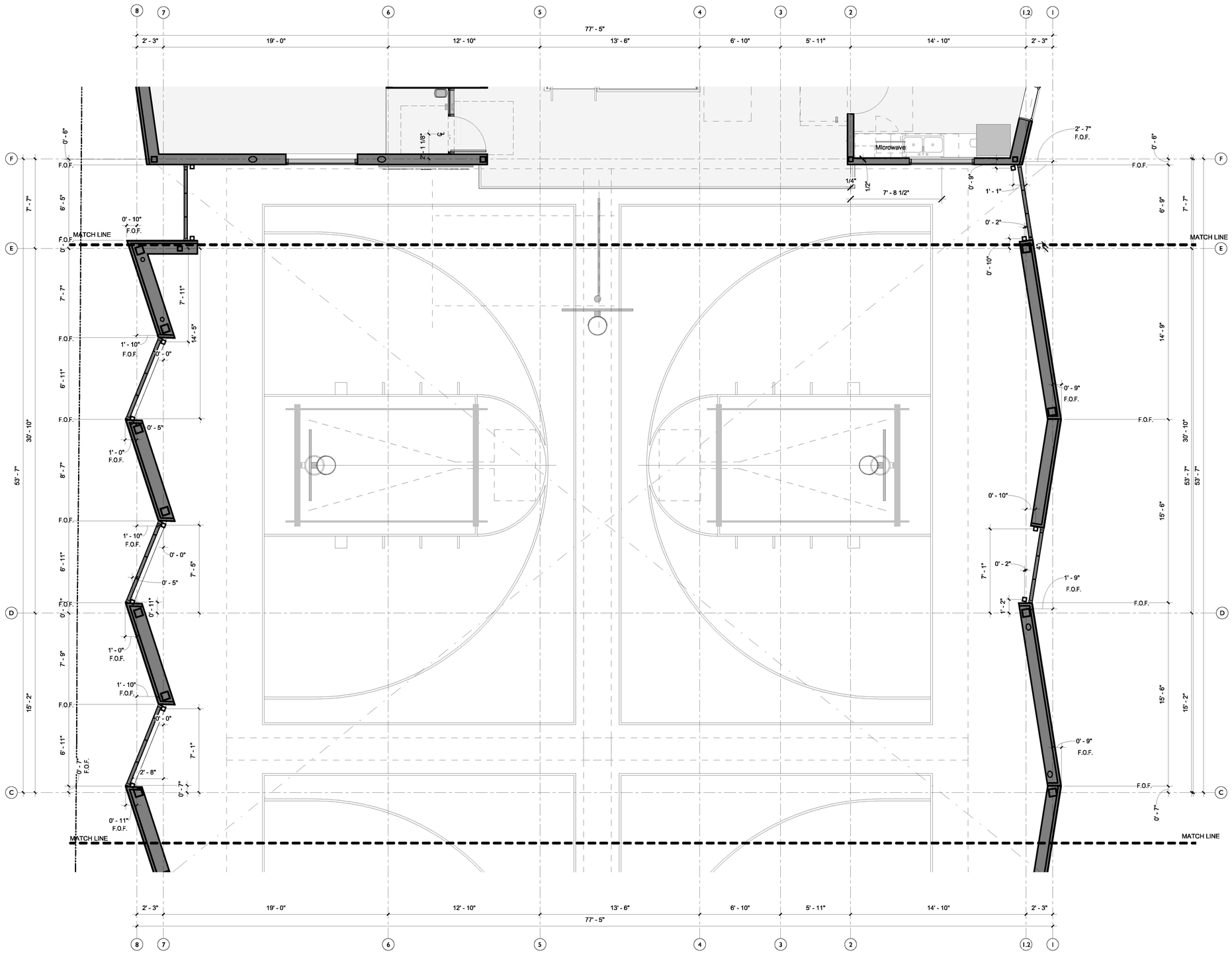
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A230
SHEET O F SHEETS

PLOTTED:9/25/2024 2:44:31 PM



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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/23/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

LADBS APPROVAL STAMP

SHEET NOTES:

- ALL DIMENSIONS ARE TO F.O.S. OR F.O.M. U.N.O.
- ALL DIMENSIONS INDICATED AS "CLR" ARE FROM FINISH TO FINISH.
- COLUMNS ARE DIMENSIONED CENTER POINT OF COLUMN.
- ADDITIONAL DIMENSIONS SHOWN ON ENLARGED PLANS.

NOTES

F.O.S.	FACE OF STUD
F.O.M.	FACE OF MULLION
CLR.	CLEAR
F.O.F.	FACE OF FINISH
U.N.O.	UNLESS NOTED OTHERWISE

ABBREVIATIONS

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- li — WALL TAG
- 101 — DOOR TAG
- li — WINDOW / FRAME TAG
- XX — FINISH TAG
- XXXX — KEYNOTE TAG
- F.E. — SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

BUREAU OF ENGINEERING — CITY OF LOS ANGELES — OFFICIAL RECORD

1/4" = 1'-0" LEVEL 2 - NORTH ENLARGED GYM DIMENSIONS

LEGEND - FLOOR PLAN

ENGINEERING — CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT — MICHAEL B. LEHRER — C12115 — Exp. 12.31.23 — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS — CITY OF LOS ANGELES

TED ALLEN, P.E.

CITY ENGINEER: DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: DIMENSION PLAN - SECOND FLOOR - GYM NORTH

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A231

SHEET 0 OF SHEETS

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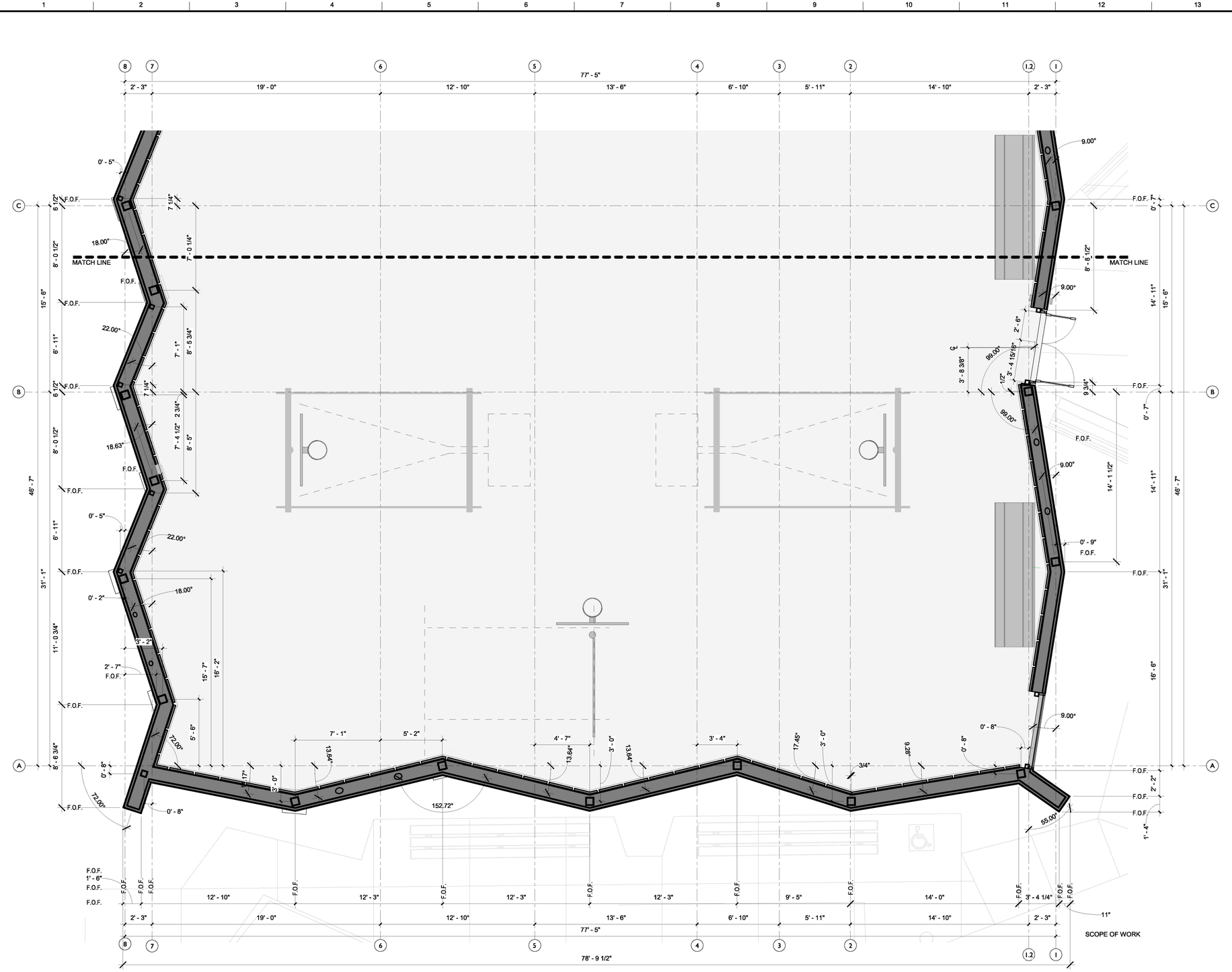

LADBS APPROVAL STAMP

SHEET NOTES:

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NOTES

F.O.S.	FACE OF STUD
F.O.M.	FACE OF MULLION
CLR.	CLEAR
F.O.F.	FACE OF FINISH
U.N.O.	UNLESS NOTED OTHERWISE

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- KEYNOTE TAG
- F.E. SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

BUREAU OF ENGINEERING OFFICIAL RECORD

1/4" = 1'-0" GROUND FLOOR - SOUTH ENLARGED GYM DIMENSIONS

LEGEND - FLOOR PLAN

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/23/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C 12115 Exp. 12.31.23 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES
ENGINEERING
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES
CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: DIMENSION PLAN - FIRST FLOOR - GYM SOUTH

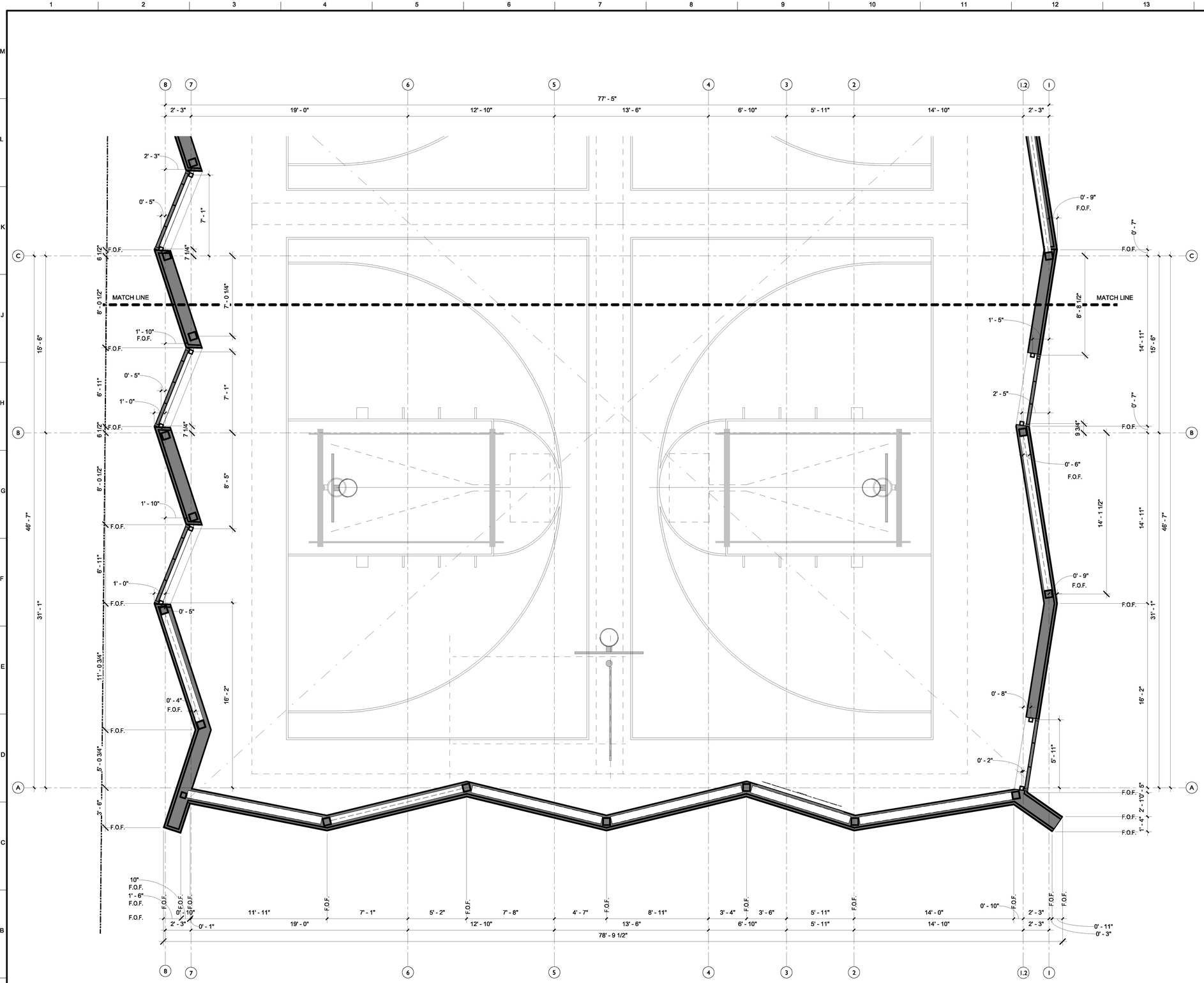
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A232
SHEET O F SHEETS

PLOTTED:6/25/2024 2:44:39 PM



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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/23/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

1/4" = 1'-0" LEVEL 2 - ENLARGED GYM - SOUTH DIMENSIONS

LADBS APPROVAL STAMP

SHEET NOTES:

- ALL DIMENSIONS ARE TO F.O.S. OR F.O.M. U.N.O.
- ALL DIMENSIONS INDICATED AS "CLR" ARE FROM FINISH TO FINISH.
- COLUMNS ARE DIMENSIONED CENTER POINT OF COLUMN.
- ADDITIONAL DIMENSIONS SHOWN ON ENLARGED PLANS.

NOTES

F.O.S.	FACE OF STUD
F.O.M.	FACE OF MULLION
CLR.	CLEAR
F.O.F.	FACE OF FINISH
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ABBREVIATIONS

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BUREAU OF ENGINEERING — OFFICIAL RECORD

LEGEND - FLOOR PLAN

BUREAU OF ENGINEERING — ENGINEERING — CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT — MICHAEL B. LEHRER — LIC. NO. C12115 — Exp. 12.31.23 — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS — CITY OF LOS ANGELES

TED ALLEN, P.E. — CITY ENGINEER — DATE:

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DIMENSION PLAN - SECOND FLOOR - GYM SOUTH

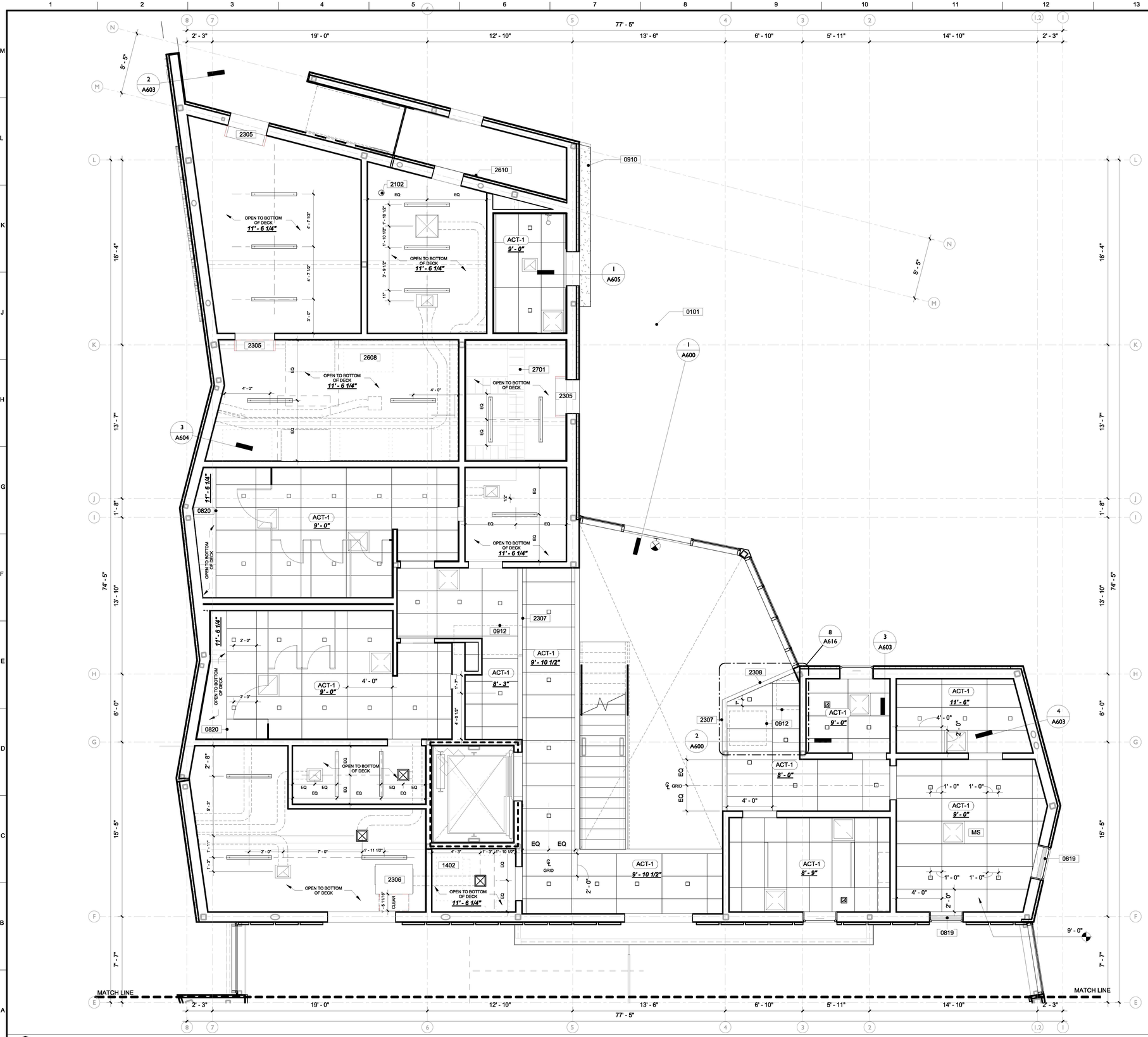
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A233
SHEET — OF — SHEETS

PLOTTED:9/25/2024 2:44:45 PM



1/4" = 1'-0" ENLARGED RCP - GROUND LEVEL

LADBS APPROVAL STAMP

0101	ROOF ABOVE.
0819	ROLLER SHADE (MANUAL CONTROL, SURFACE MOUNTED)
0820	ACT PERIMETER TRIM (BASIS OF DESIGN: ARMSTRONG AXIOM CLASSIC)
0910	EXTERIOR SOFFIT BEYOND - CEMENT PLASTER SYSTEM, PAINTED. 09
0912	SHAFT ENCLOSURE BEYOND (1HR).
1402	ELEVATOR MACHINE ROOM EQUIPMENT BELOW.
2102	FIRE RISER.
2305	FCU 1, 2 & 3 - DAIKIN FTK24AXVJU - WALL MOUNTED ABOVE DOOR - TOP OF UNIT MUST BE MINIMUM 2 3/16" BELOW CEILING.
2306	FCU 4 - SERVES ELEVATOR MACHINE ROOM - DAIKIN FDMQ18RVJU - CEILING MOUNTED - BOTTOM OF UNIT MUST BE MINIMUM 8'-4" ABOVE FF AND 33 7/16" OR LESS BELOW DECK.
2307	WALL SUPPLY REGISTER - SEE ELEVATIONS
2308	WALL RETURN REGISTER - SEE ELEVATIONS
2608	BATTERIES BELOW (NOT IN SCOPE)
2610	WALL SCONCE
2701	CABLE TRAY

KEYNOTES

A. **CENTER** ALL EXIT SIGNS, SPRINKLER HEADS, LIGHT FIXTURES, AUDIO-VISUAL DEVICES, SMOKE DETECTORS, ETC. IN THE CENTERLINE OF CORRIDORS AND CENTERLINE OF 2'X2' OR 2'X4' ACT CEILING GRID (UNLESS OTHERWISE NOTED OR THE LOCATION IS IN VIOLATION OF APPLICABLE CODES).

B. PAINT METAL CLOSURES, WALL ANGLES, REVEALS, AND MISCELLANEOUS TRIM IN CEILING TO MATCH CEILING.

C. PAINT NEW AND EXISTING CONSTRUCTION VISIBLE THROUGH DIFFUSERS AND RETURNS INCLUDING DUCTWORK NON-SPCELAR BLACK.

D. ALL ACT TILES SHOULD BE CENTERED ON ROOM UNLESS NOTED OTHERWISE.

GENERAL NOTES

LEGEND

- 2' X 4' SUSPENDED ACOUSTICAL CEILING
- EXTERIOR CEMENT PLASTER SOFFIT
- OPEN TO STRUCTURE ABOVE
- CEILING HEIGHT CHANGE SYMBOL
- X'-X" FINISHED CEILING HEIGHT SYMBOL
- ROLLER SHADES (MANUAL)
- ACT PERIMETER TRIM
- F1 - SQUARE LED 4"x4" LIGHT FIXTURE
- F2 - LINEAR LED 4"x48" LIGHT FIXTURE
- F3 - LINEAR PENDANT LED 4"x48" LIGHT FIXTURE
- F4 -GLOBE PENDANT FIXTURE (LOBBY)
- F5 - SQUARE LED 4"x4" LIGHT FIXTURE
- F6 - HIGH BAY LIGHT FIXTURE (GYM)
- F7 - CAN 6" LIGHT FIXTURE
- F8 - EXTERIOR FLAT ROUND LIGHT FIXTURE
- F10 - TUBULAR SKYLIGHT
- ACCESS PANEL (30" X 24" UNLESS OTHERWISE NOTED)
- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST DIFFUSER
- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN
- MS MOTION SENSOR
- S SPEAKER
- CAMERA
- SPRINKLER HEAD
- SMOKE DETECTOR
- WAP WIRELESS ACCESS POINT
- 1HR SHAFT WALL

BUREAU OF ENGINEERING OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER STATE OF CALIFORNIA C12115 Exp. 12.31.23

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER: DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED RCP - GROUND - SERVICE WING

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status

PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A240

SHEET O F SHEETS

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/23/20

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REVISION DATES (DESIGN STAGE ONLY)

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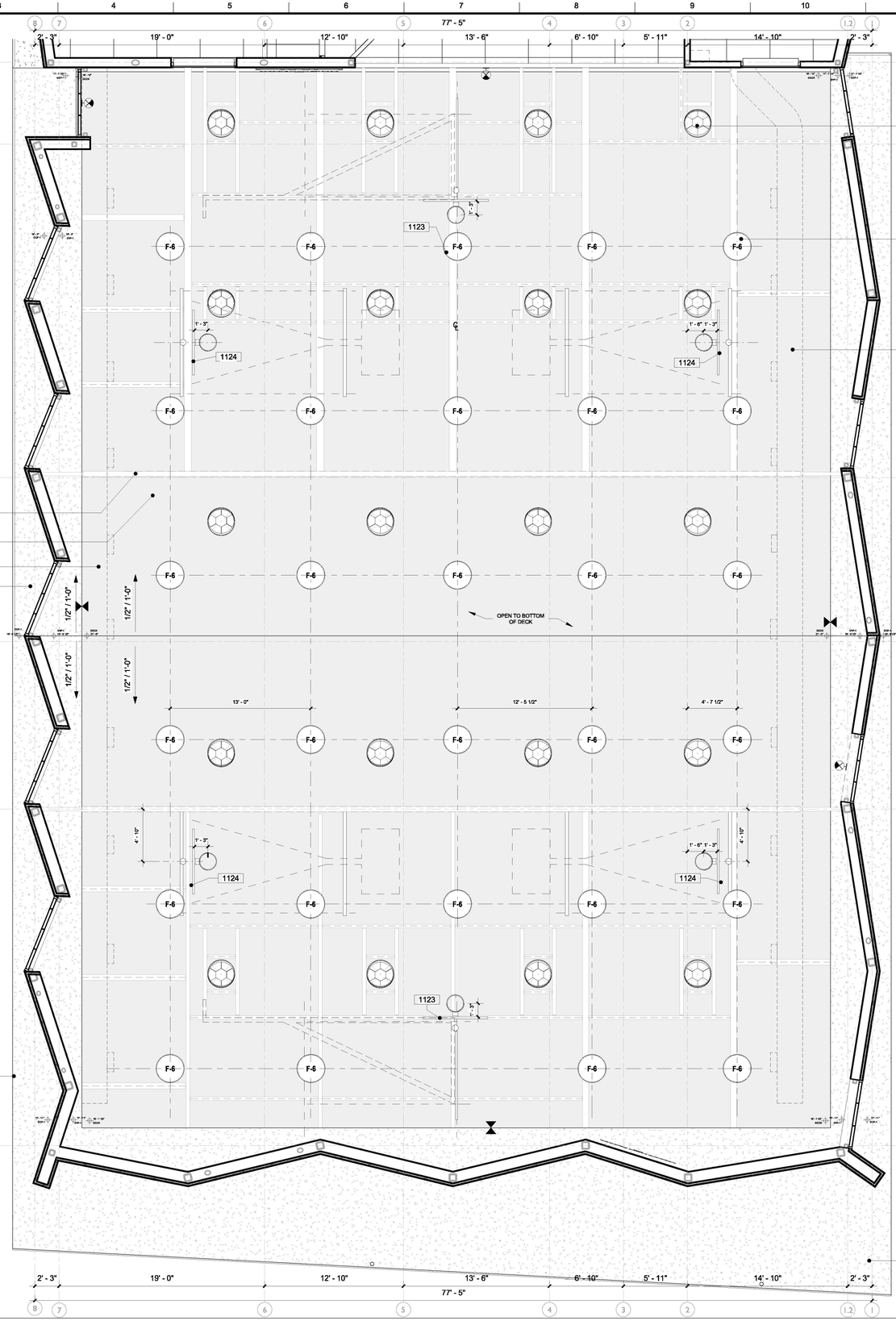
TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 04/14/23
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)



3/16" = 1'-0" ENLARGED RCP - LEVEL 2 GYM

LADBS APPROVAL STAMP

0537	EXPOSED DUCTS
1119	HIGH BAY LIGHTING. SEE REFLECTED CEILING PLANS SHEET A250.
1123	RETRACTABLE & ADJUSTABLE BASKETBALL BACKBOARD(ADJUSTED TO 8ft, 9ft, & 10ft) - MAIN COURT (SIDE FOLD/REAR MAST) PORTER 955
1124	RETRACTABLE BASKETBALL BACKBOARD - PRACTICE COURTS (FRONT FOLD) PORTER 949
2601	SOLATUBE (SKYVAULT M74 DS)

KEYNOTES

A. **CENTER** ALL EXIT SIGNS, SPRINKLER HEADS, LIGHT FIXTURES, AUDIO-VISUAL DEVICES, SMOKE DETECTORS, ETC. IN THE CENTERLINE OF CORRIDORS AND CENTERLINE OF 2'X2' OR 2'X4' ACT CEILING GRID (UNLESS OTHERWISE NOTED OR THE LOCATION IS IN VIOLATION OF APPLICABLE CODES).

B. PAINT METAL CLOSURES, WALL ANGLES, REVEALS, AND MISCELLANEOUS TRIM IN CEILING TO MATCH CEILING.

C. PAINT NEW AND EXISTING CONSTRUCTION VISIBLE THROUGH DIFFUSERS AND RETURNS INCLUDING DUCTWORK NON-SPCELAR BLACK.

GENERAL NOTES

LEGEND

- 2' X 4' SUSPENDED ACOUSTICAL CEILING
- EXTERIOR CEMENT PLASTER SOFFIT
- OPEN TO STRUCTURE ABOVE
- CEILING HEIGHT CHANGE SYMBOL
- X'-X" FINISHED CEILING HEIGHT SYMBOL
- ROLLER SHADES (MANUAL)
- ACT PERIMETER TRIM
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- F5 - SQUARE LED 4"x4" LIGHT FIXTURE
- F6 - HIGH BAY LIGHT FIXTURE (GYM)
- F7 - CAN 6" LIGHT FIXTURE
- F8 - EXTERIOR FLAT ROUND LIGHT FIXTURE
- F10 - TUBULAR SKYLIGHT
- ACCESS PANEL (30" X 24" UNLESS OTHERWISE NOTED)
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- RETURN DIFFUSER
- EXHAUST DIFFUSER
- CEILING MOUNTED EXIT SIGN
- WALL MOUNTED EXIT SIGN
- MS MOTION SENSOR
- S SPEAKER
- CAMERA
- SPRINKLER HEAD
- SMOKE DETECTOR
- WAP WIRELESS ACCESS POINT
- 1HR SHAFT WALL

BUREAU OF ENGINEERING OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C 12115 Exp. 12.31.23 STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
DEPARTMENT OF
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ENLARGED RCP GYM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A241
SHEET 0 OF SHEETS

PLOTTED:6/25/2024 2:45:11 PM



1/4" = 1'-0" ENLARGED RCP - SECOND FLOOR

LADBS APPROVAL STAMP

0538	ROOF ACCESS HATCH
0819	ROLLER SHADE (MANUAL CONTROL, SURFACE MOUNTED)
0820	ACT PERIMETER TRIM (BASIS OF DESIGN: ARMSTRONG AXIOM CLASSIC)
2307	WALL SUPPLY REGISTER - SEE ELEVATIONS
2308	WALL RETURN REGISTER - SEE ELEVATIONS
2610	WALL SCONCE

KEYNOTES

A. **CENTER** ALL EXIT SIGNS, SPRINKLER HEADS, LIGHT FIXTURES, AUDIO-VISUAL DEVICES, SMOKE DETECTORS, ETC. IN THE CENTERLINE OF CORRIDORS AND CENTERLINE OF 2'X2' OR 2'X4' ACT CEILING GRID (UNLESS OTHERWISE NOTED OR THE LOCATION IS IN VIOLATION OF APPLICABLE CODES).

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- WAP WIRELESS ACCESS POINT
- 1HR SHAFT WALL

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C 12115 Exp. 12.31.23 STATE OF CALIFORNIA

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

TED ALLEN, P.E.
CITY ENGINEER

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
DATE:

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED RCP - LEVEL 2 - SERVICE WING MODERN GYMNASIUM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II -

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

BUREAU OF ENGINEERING OFFICIAL RECORD

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A242

SHEET 0 OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 05/17/21
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt



1/4" = 1'-0" FINISH GROUND FLOOR - ENLARGED STAFF & SERVICES WING

LADBS APPROVAL STAMP

0907	SEE DETAIL 1/A801 FOR TRANSITION DETAIL

KEYNOTES

AT-1	ALUMINUM THRESHOLD, SEE DOOR SCHEDULE
BR-1	BAR GRATING
CT-1	INTERFACE AE315 AERIAL 163230AK00 GRANITE/AZURE
CT-2	INTERFACE AE317 AERIAL 163270AK00 105829 AZURE
CN-1	UNFINISHED CONCRETE
E-1	RESINOUS EPOXY FLOORING WHITE
E-3	RESINOUS EPOXY FLOORING WALL BASE - WHITE
E-4	RESINOUS EPOXY FLOORING TURQUOISE
E-5	EPOXY PAINT TURQUOISE
LVT-1	ARMSTRONG MIXER 2 PINEAPPLE JUICE ST516
LVT -2	ARMSTRONG MIXER 2 ORANGE SODA ST517
LVT-3	ARMSTRONG EXCHANGE STATIC BLUE SCREEN ST904
LVT-4	ARMSTRONG EXCHANGE STATIC MAINFRAME ST906
SF-1	GYM FLOORING - DARKER WOOD STIAN
SF-1.1	GYM FLOORING - LIGHTER WOOD STAIN
SF-2	DANCE FLOORING
SF-3	DANCE FLOORING
SS-1	SOLID SURFACING

BUREAU OF ENGINEERING — OFFICIAL RECORD

FINISH FLOOR LEGEND

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- 11 WALL TAG
- 101 DOOR TAG
- 11 WINDOW / FRAME TAG
- XX FINISH TAG
- XXXX KEYNOTE TAG
- F.E. SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

LEGEND - FLOOR PLAN

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
1	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C12115 Exp. 12.31.23 STATE OF CALIFORNIA

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: FINISH PLAN - GROUND - SERVICE WING

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A250
SHEET 0 OF SHEETS

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TTLB TEMPLATE REVISION DATE: 06/30/2016
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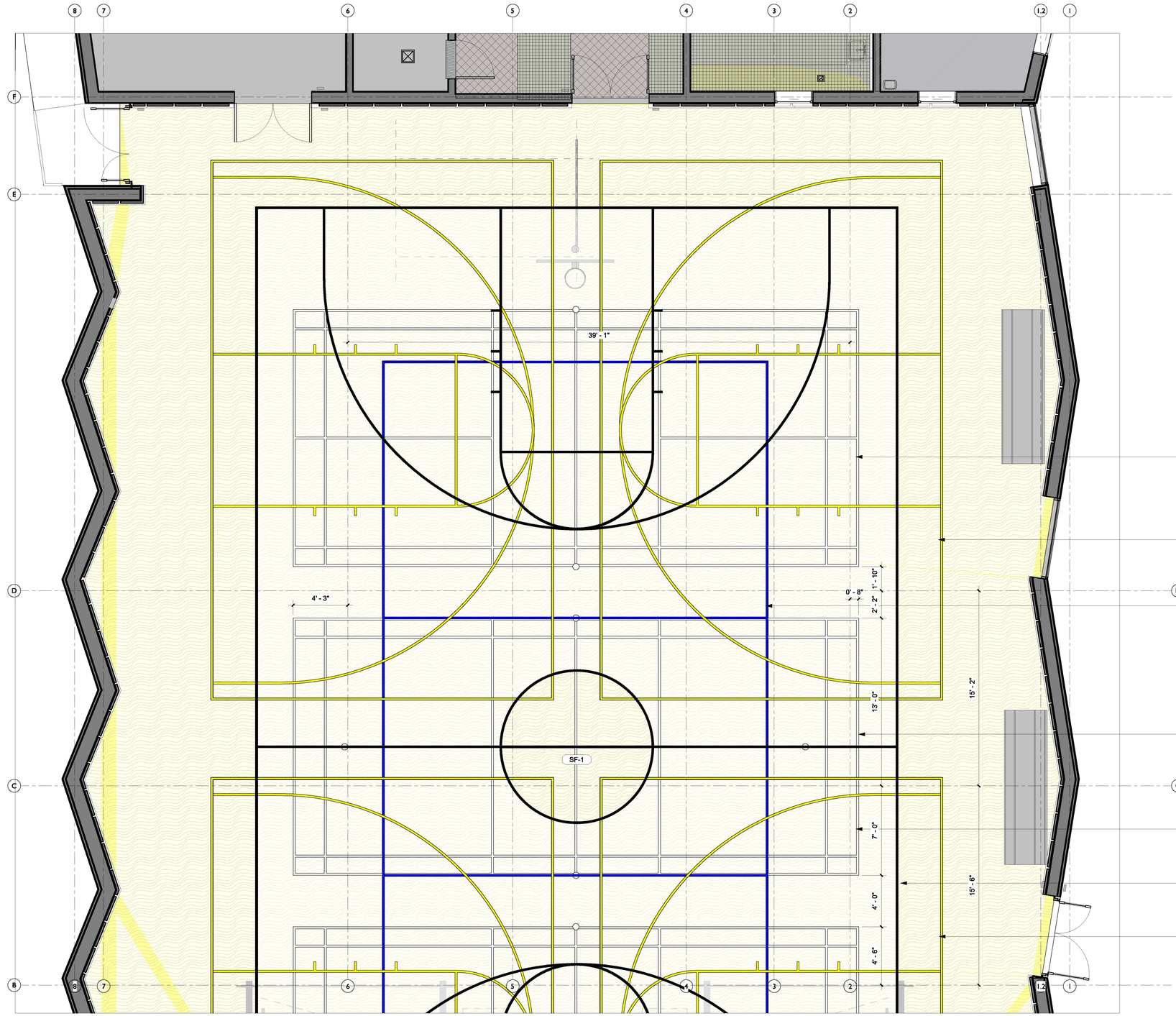

1/4" = 1'-0" FINISH GROUND FLOOR - ENLARGED GYM NORTH.

LADBS APPROVAL STAMP

AT-1	ALUMINUM THRESHOLD, SEE DOOR SCHEDULE
BR-1	BAR GRATING
CT-1	INTERFACE AE315 AERIAL 163230AK00 GRANITE/AZURE
CT-2	INTERFACE AE317 AERIAL 163270AK00 105829 AZURE
CN-1	UNFINISHED CONCRETE
E-1	RESINOUS EPOXY FLOORING WHITE
E-3	RESINOUS EPOXY FLOORING WALL BASE - WHITE
E-4	RESINOUS EPOXY FLOORING TURQUOISE
E-5	EPOXY PAINT TURQUOISE
LVT-1	ARMSTRONG MIXER 2 PINEAPPLE JUICE ST516
LVT -2	ARMSTRONG MIXER 2 ORANGE SODA ST517
LVT-3	ARMSTRONG EXCHANGE STATIC BLUE SCREEN ST904
LVT-4	ARMSTRONG EXCHANGE STATIC MAINFRAME ST906
SF-1	GYM FLOORING - DARKER WOOD STIAN
SF-1.1	GYM FLOORING - LIGHTER WOOD STAIN
SF-2	DANCE FLOORING
SF-3	DANCE FLOORING
SS-1	SOLID SURFACING

FINISH FLOOR LEGEND

- BASKETBALL COURT PER NFHS STANDARD 84' x 50'
- 1/2 BASKETBALL COURT 42' x 26'8"
- BADMINTON COURT PER OLYMPIC STANDARD 44' x 20'
- VOLLEYBALL COURT PER NFHS STANDARD 30' x 60'

COURT INDEX

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- li — WALL TAG
- 101 — DOOR TAG
- li — WINDOW / FRAME TAG
- XX — FINISH TAG
- XXXX — KEYNOTE TAG
- F.E. — SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

LEGEND - FLOOR PLAN

BUREAU OF ENGINEERING — OFFICIAL RECORD

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C 12115 Exp. 12.31.23 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: FINISH PLAN - GROUND - GYM NORTH

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A251

SHEET OF SHEETS

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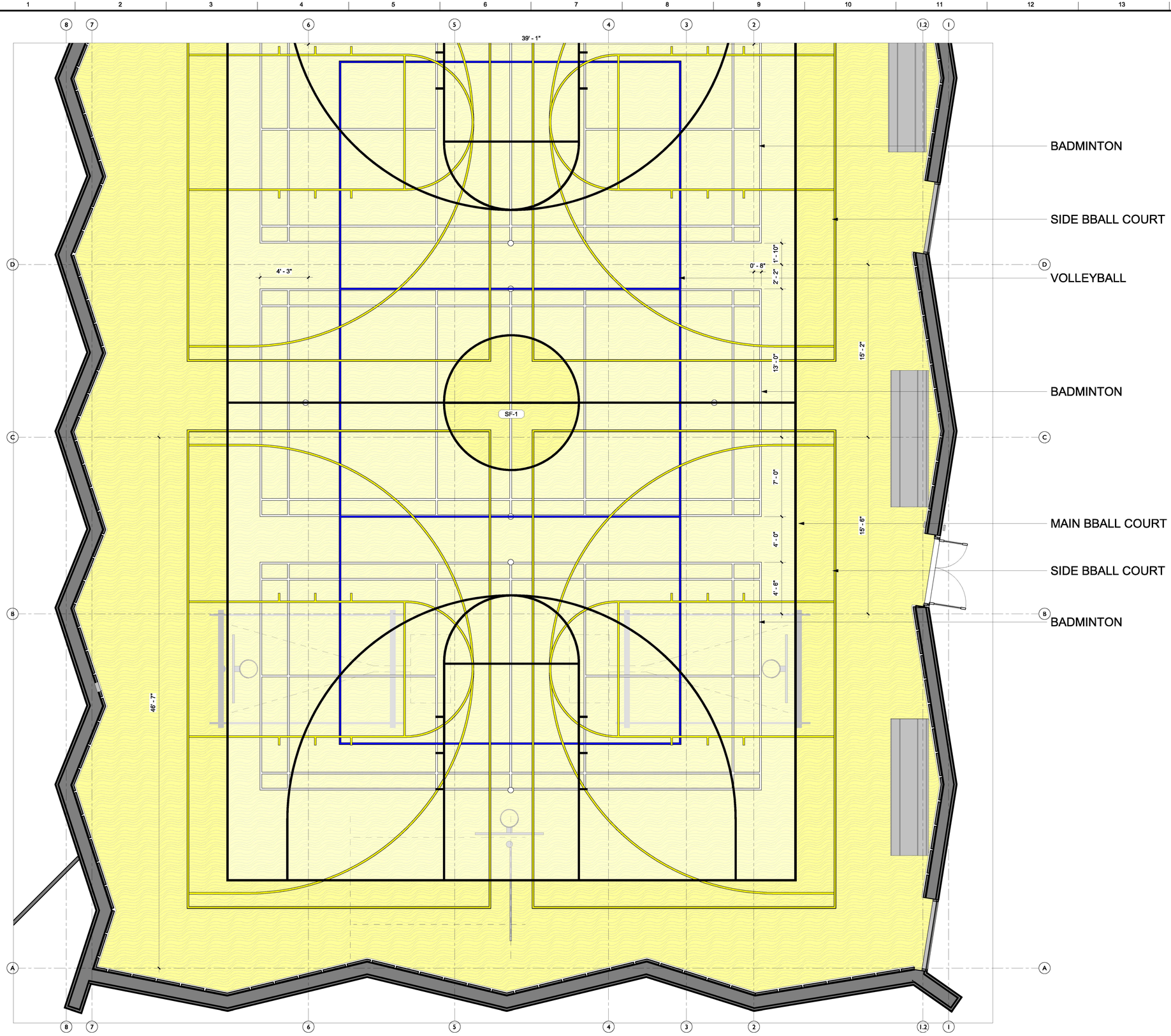

1/4" = 1'-0" FINISH GROUND FLOOR - ENLARGED GYM SOUTH

LADBS APPROVAL STAMP

AT-1	ALUMINUM THRESHOLD, SEE DOOR SCHEDULE
BR-1	BAR GRATING
CT-1	INTERFACE AE315 AERIAL 163230AK00 GRANITE/AZURE
CT-2	INTERFACE AE317 AERIAL 163270AK00 105829 AZURE
CN-1	UNFINISHED CONCRETE
E-1	RESINOUS EPOXY FLOORING WHITE
E-3	RESINOUS EPOXY FLOORING WALL BASE - WHITE
E-4	RESINOUS EPOXY FLOORING TURQUOISE
E-5	EPOXY PAINT TURQUOISE
LVT-1	ARMSTRONG MIXER 2 PINEAPPLE JUICE ST516
LVT -2	ARMSTRONG MIXER 2 ORANGE SODA ST517
LVT-3	ARMSTRONG EXCHANGE STATIC BLUE SCREEN ST904
LVT-4	ARMSTRONG EXCHANGE STATIC MAINFRAME ST906
SF-1	GYM FLOORING - DARKER WOOD STIAN
SF-1.1	GYM FLOORING - LIGHTER WOOD STAIN
SF-2	DANCE FLOORING
SF-3	DANCE FLOORING
SS-1	SOLID SURFACING

FINISH FLOOR LEGEND

- BASKETBALL COURT PER NFHS STANDARD 84' x 50'
- 1/2 BASKETBALL COURT 42' x 26'8"
- BADMINTON COURT PER OLYMPIC STANDARD 44' x 20'
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COURT INDEX

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION FULL HEIGHT WALLS
- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
- II — WALL TAG
- 101 — DOOR TAG
- II — WINDOW / FRAME TAG
- XX — FINISH TAG
- XXXX — KEYNOTE TAG
- F.E. — SEMI-RECESSED FIRE EXTINGUISHER CABINET PER LAFC 906.3

BUREAU OF ENGINEERING OFFICIAL RECORD

LEGEND - FLOOR PLAN

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TTLB TEMPLATE REVISION DATE:: 06/30/2016
SHEET ISSUE DATE:: 10/30/20
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REVISION DATES (DESIGN STAGE ONLY)

ENGINEERING — CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C 12115 Exp. 12.31.23 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: FINISH PLAN - GROUND - GYM SOUTH

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A252

SHEET O F SHEETS

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THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 10/23/20
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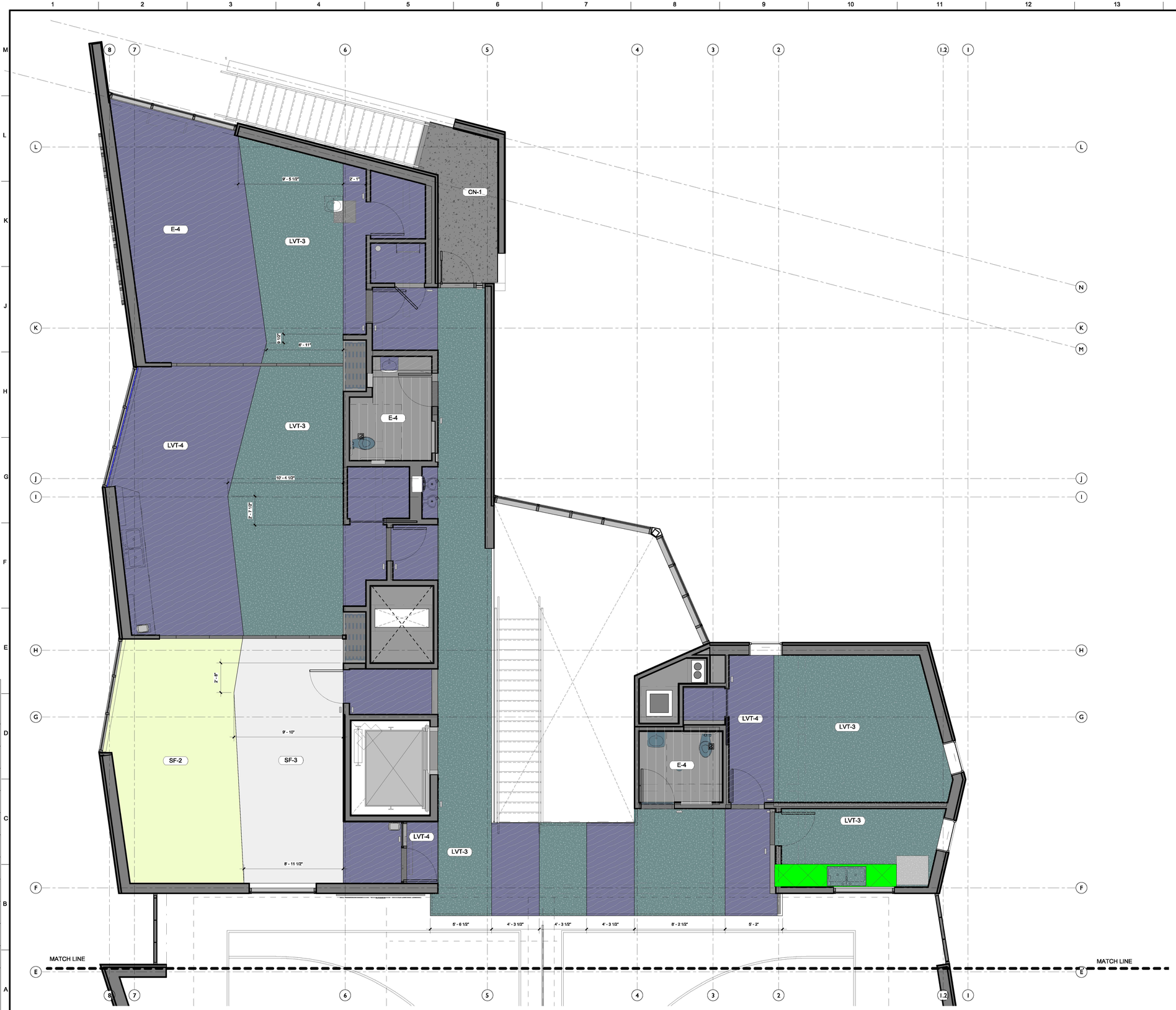
REVISION DATES (DESIGN STAGE ONLY)



1/4" = 1'-0" FINISH LEVEL 2 PLAN - ENLARGED COMMUNITY WING

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

AT-1	ALUMINUM THRESHOLD, SEE DOOR SCHEDULE
BR-1	BAR GRATING
CT-1	INTERFACE AE315 AERIAL 163230AK00 GRANITE/AZURE
CT-2	INTERFACE AE317 AERIAL 163270AK00 105829 AZURE
CN-1	UNFINISHED CONCRETE
E-1	RESINOUS EPOXY FLOORING WHITE
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SF-1.1	GYM FLOORING - LIGHTER WOOD STAIN
SF-2	DANCE FLOORING
SF-3	DANCE FLOORING
SS-1	SOLID SURFACING

FINISH FLOOR LEGEND

- PROPERTY LINE
- ROOF ABOVE
- 1HR SHAFT WALL
- EXISTING STRUCTURE TO REMAIN
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- NEW CONSTRUCTION PARTIAL HEIGHT WALLS
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LEGEND - FLOOR PLAN

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: FINISH PLAN - LEVEL 2 - SERVICE WING
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A253
SHEET OF SHEETS

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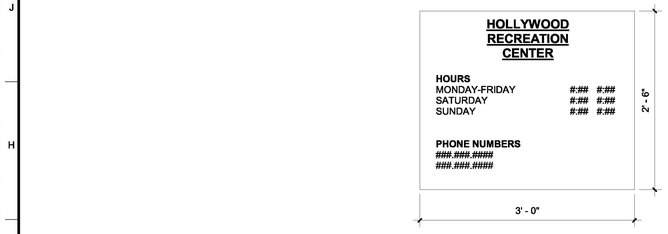
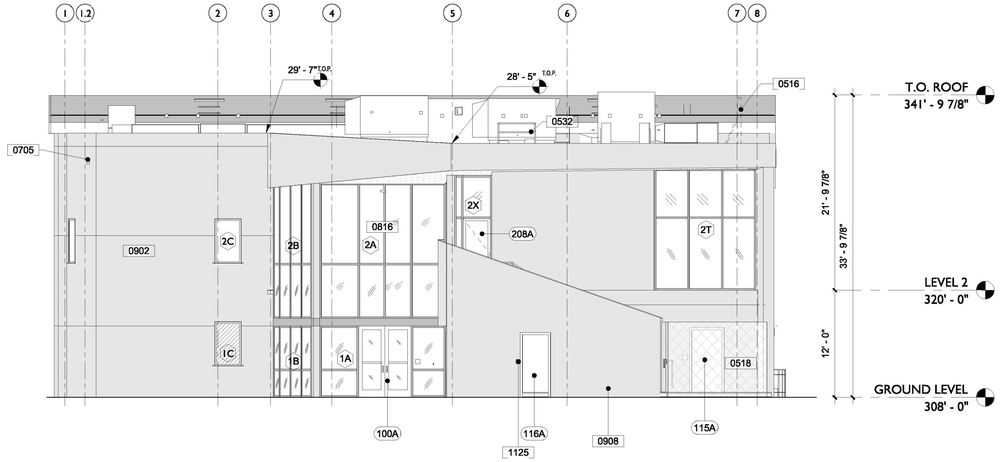
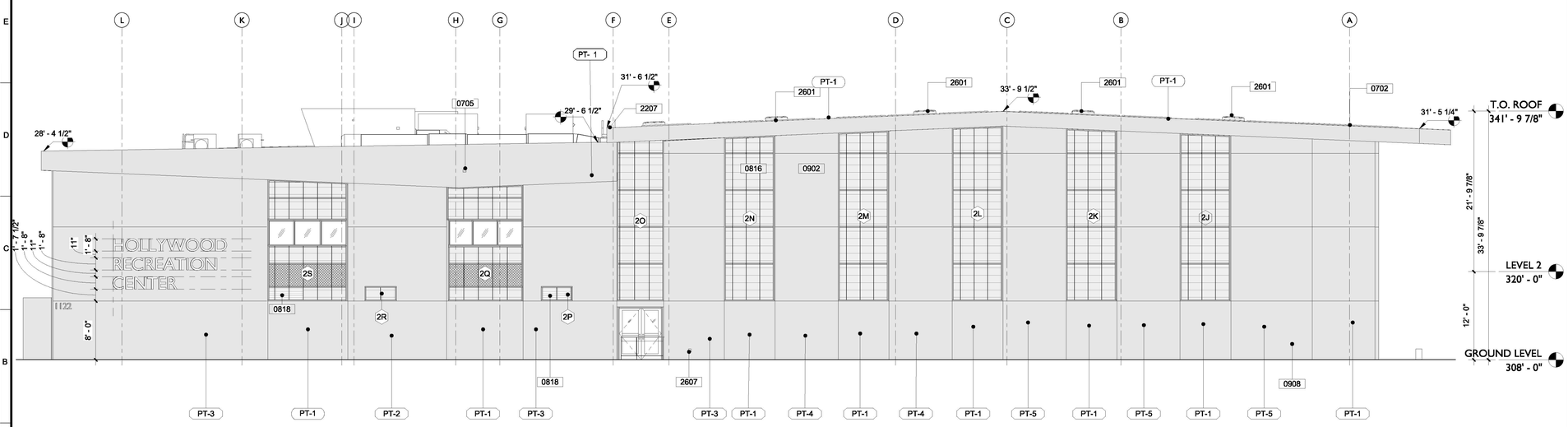


1" = 1'-0" RAP SMALL ENTRY SIGN 3



PERCENTAGE OF OPENINGS = 33% & SEPARATION DISTANCE IS MORE THAN 30'

1/8" = 1'-0" NORTH ELEVATION 2



1/8" = 1'-0" EXTERIOR ELEVATION - WEST 1

0516	ROOF SCREEN (N.I.C. - PROVIDED AS ADD ALTERNATE)
0518	FENCE AND GATE FACED WITH CORRUGATED PERFORATED METAL (HENDRICK BWC364)
0532	ROOF HATCH WITH GUARDRAIL
0702	SINGLE PLY MEMBRANE ROOF SYSTEM (SARNAFIL G410, ESR-1157)
0705	OVERFLOW SCUPPER (4" X 6")
0816	ARCADIA T500-OPG 1900 CURTAIN WALL SYSTEM, SEE WINDOW SCHEDULE
0818	EXHAUST LOUVERS (PER KALWALL), SEE WINDOW SCHEDULE
0902	CEMENT PLASTER SYSTEM, PAINTED
0908	PROVIDE ANTI-GRAFFITI FINISH AT THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS. LAMC 91.530
1125	SIGNAGE, SEE SHEET A005 FOR SIGNAGE DETAILS.
2207	ALL DOWNSPOUTS TO DRAIN TO MAXWELL DRYWELL AND STORM TANK STORAGE - SEE C3.01 AND C3.02
2601	SOLATUBE (SKYVAULT M74 DS)
2607	GFCI OUTLET

KEYNOTES

GL-01 FROSTED GLASS
GL-02 MECHANICAL LOUVER
GL-03 LOW-E COATED DOUBLE GLAZING
KALWALL TRANSLUCENT PANEL
KALWALL SPANDREL PANEL
EXTERIOR CEMENT PLASTER
ROOM ID SIGN
T.O.P TOP OF PARAPET

BUREAU OF ENGINEERING OFFICIAL RECORD

ELEVATION LEGEND

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER:
DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: BUILDING ELEVATIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A300

SHEET 0 OF SHEETS

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SHEET ISSUE DATE: 02/25/14
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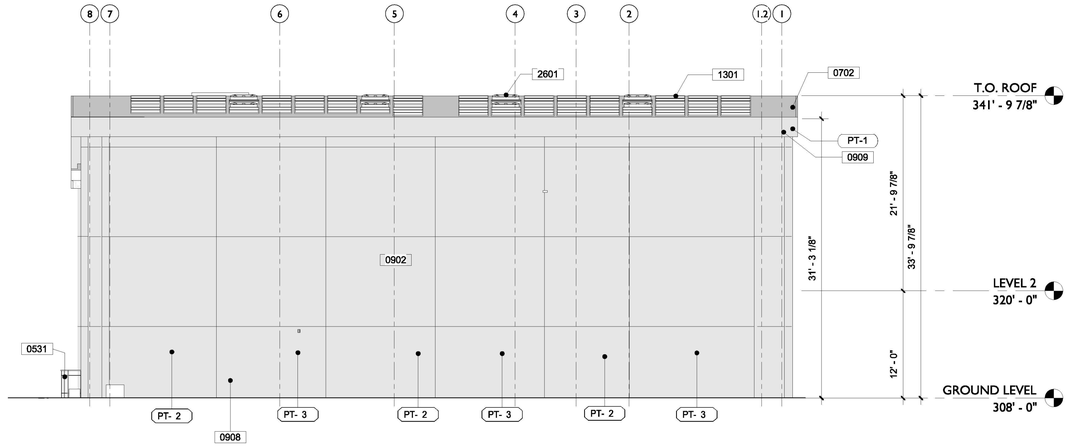
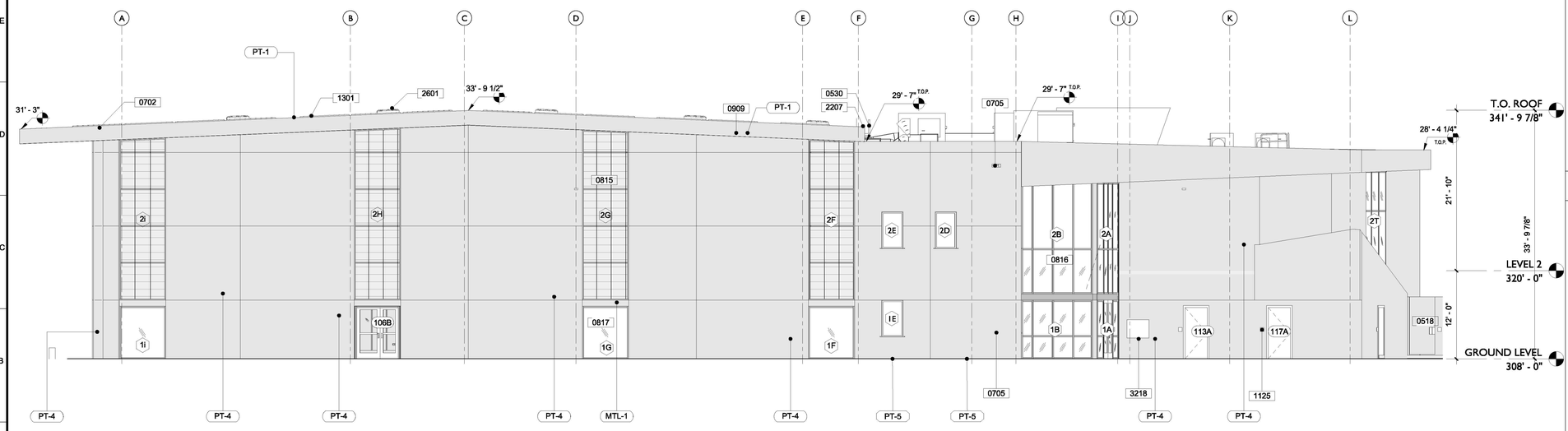
REVISION DATES (DESIGN STAGE ONLY)



1/8" = 1'-0" EXTERIOR ELEVATION - SOUTH 4



1/8" = 1'-0" EXTERIOR ELEVATION - EAST 3

0518	FENCE AND GATE FACED WITH CORRUGATED PERFORATED METAL (HENDRICK BWC364)
0530	LADDER FROM LOW ROOF TO HIGH ROOF
0531	RAMP
0702	SINGLE PLY MEMBRANE ROOF SYSTEM (SARNAFIL G410, ESR-1157)
0705	OVERFLOW SCUPPER (4" X 6")
0815	KALWALL TRANSLUCENT WALL PANEL, TYP SEE WINDOW SCHEDULE
0816	ARCADIA T500-OPG 1900 CURTAIN WALL SYSTEM, SEE WINDOW SCHEDULE
0817	ARCADIA TC 670 STOREFRONT SYSTEM, SEE WINDOW SCHEDULE
0902	CEMENT PLASTER SYSTEM, PAINTED
0908	PROVIDE ANTI-GRAFFITI FINISH AT THE FIRST 9 FEET, MEASURED FROM GRADE, AT EXTERIOR WALLS AND DOORS. LAMC 91.630
0909	FASCIA
1125	SIGNAGE, SEE SHEET A005 FOR SIGNAGE DETAILS.
1301	PHOTOVOLTAIC PANEL SYSTEM. DESIGN/BUILD BY GENERAL CONTRACTOR. REFER TO SPECIFICATION FOR BASIS OF DESIGN.
2207	ALL DOWNSPOUTS TO DRAIN TO MAXWELL DRYWELL AND STORM TANK STORAGE - SEE C3.01 AND C3.02
2601	SOLATUBE (SKYVAULT M74 DS)
3218	EXTERIOR SIGNAGE PER 3/A300

KEYNOTES

- GL-01 FROSTED GLASS
- GL-02 MECHANICAL LOUVER
- GL-03 LOW-E COATED DOUBLE GLAZING
- KALWALL TRANSLUCENT PANEL
- KALWALL SPANDREL PANEL
- EXTERIOR CEMENT PLASTER
- ROOM ID SIGN
- T.O.P TOP OF PARAPET

BUREAU OF ENGINEERING OFFICIAL RECORD

ELEVATION LEGEND

LADBS APPROVAL STAMP

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
CITY OF LOS ANGELES
DEPARTMENT OF

TED ALLEN, P.E.
CITY ENGINEER

ARCHITECTURAL DIVISION
DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: BUILDING ELEVATIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A301
SHEET NO OF SHEETS

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SHEET ISSUE DATE: 08/09/20
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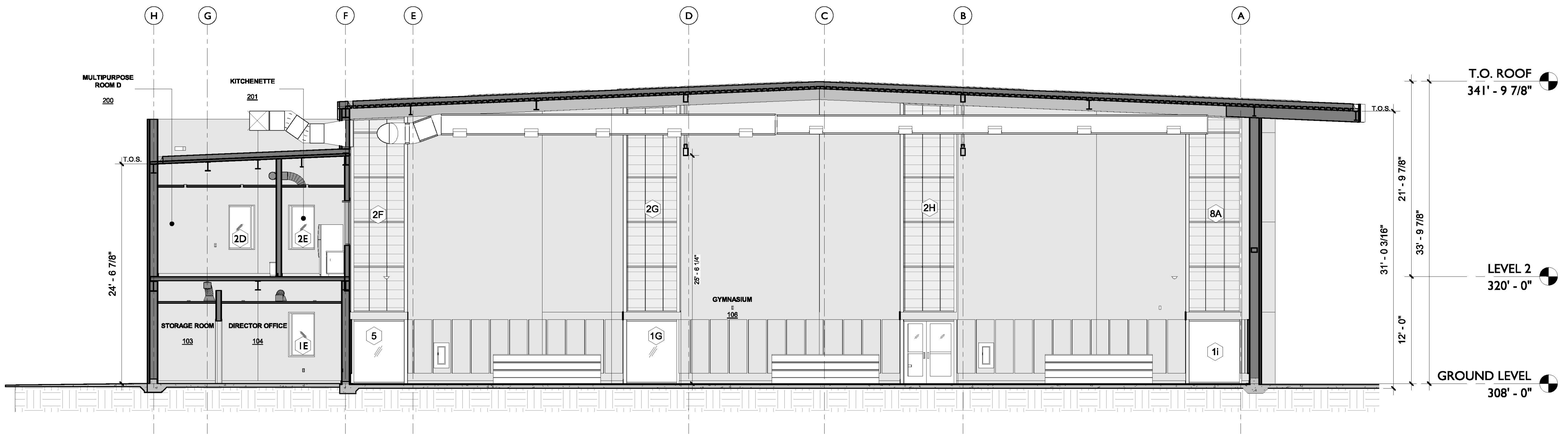
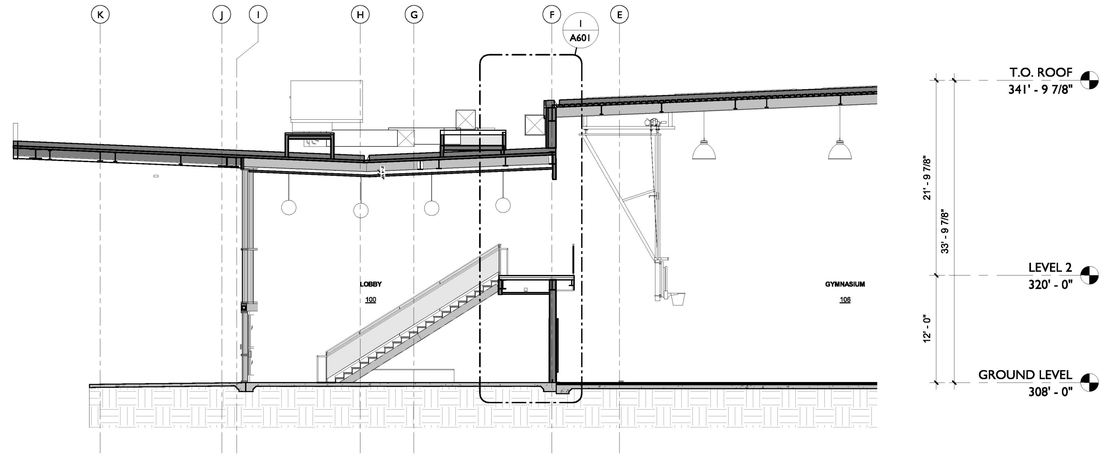
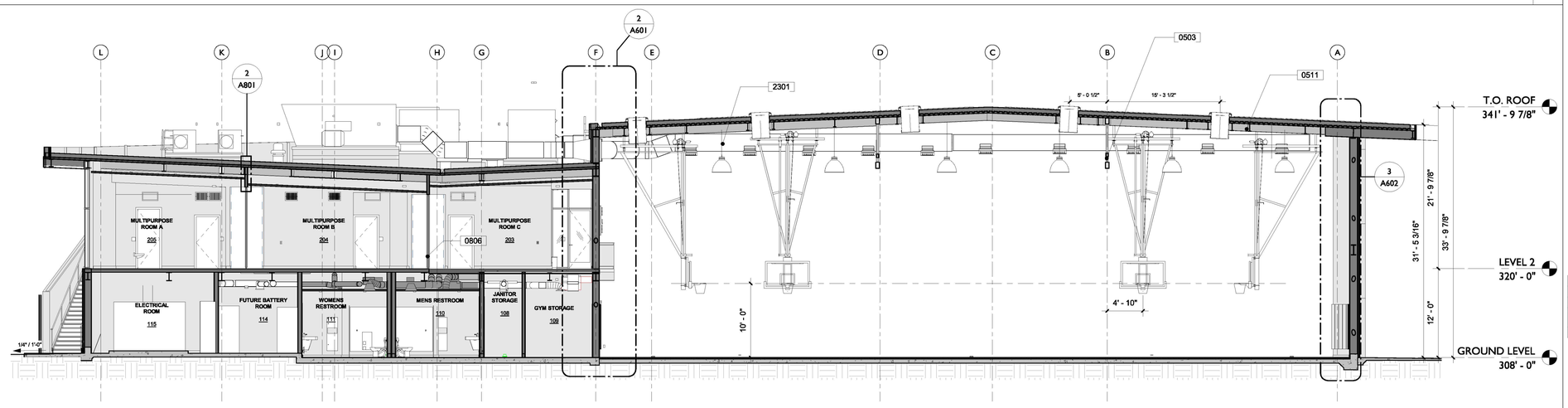
REVISION DATES (DESIGN STAGE ONLY)



1/8" = 1'-0" DECK GYM SECTION **3**



1/8" = 1'-0" LOBBY GYM SECTION **2**



1/8" = 1'-0" MULTIPURPOSE ROOMS TO GYM SECTION EASTWARD1 **1**

0503	TRUSS PER STRUCTURAL
0511	BEAM PER STRUCTURAL
0806	MOVABLE INTERIOR PARTITIONS
1119	HIGH BAY LIGHTING. SEE REFLECTED CEILING PLANS SHEET A250.
2301	DUCT PER MECHANICAL

KEYNOTES

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. **RP-300126**

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

TED ALLEN, P.E.
CITY ENGINEER

ARCHITECTURAL DIVISION
DATE:

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: BUILDING SECTIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. **A400**

SHEET OF SHEETS

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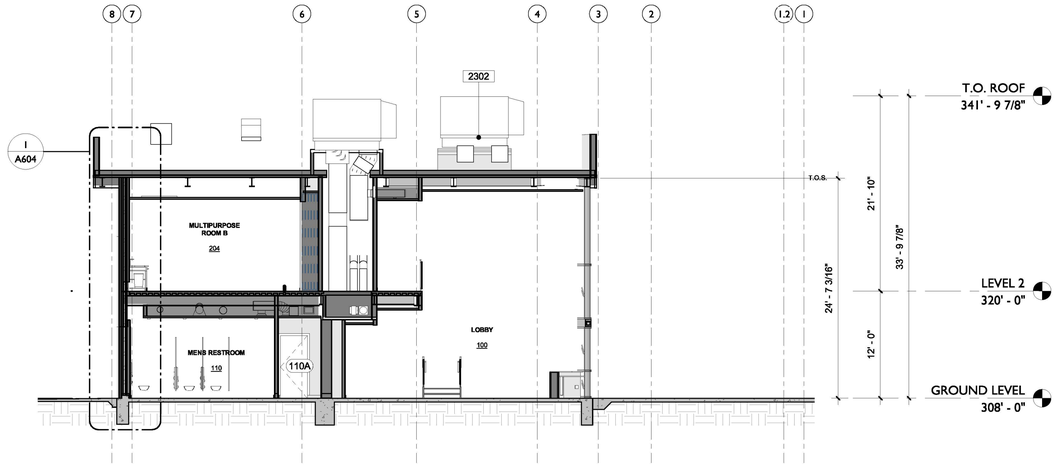
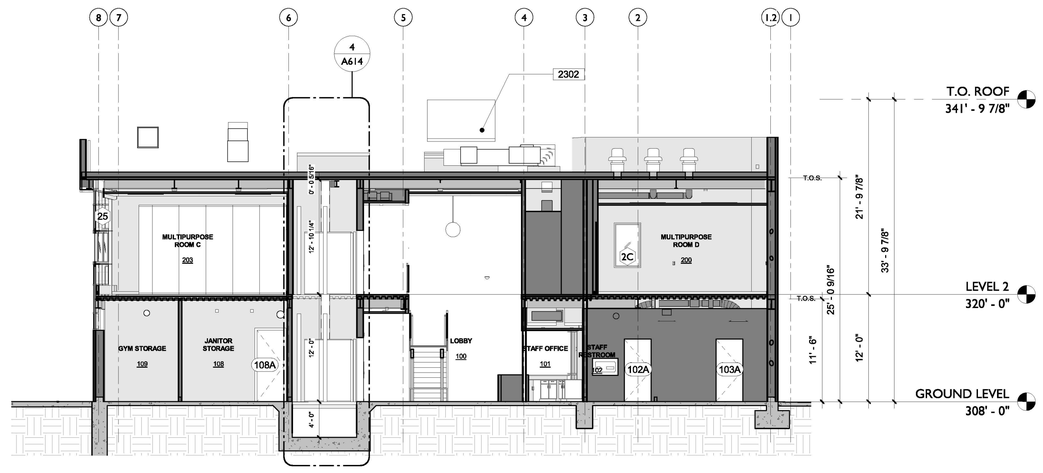
SHEET ISSUE DATE: 02/25/14
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

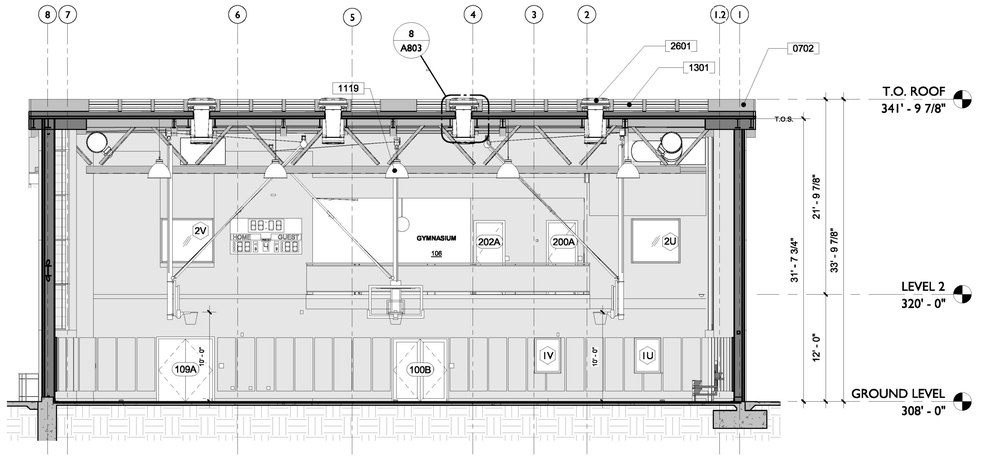
REVISION DATES (DESIGN STAGE ONLY)



1/8" = 1'-0" SECTION AT MPR - B | 3



1/8" = 1'-0" SECTION AT ELEVATOR SHAFT & LOBBY | 2



1/8" = 1'-0" SECTION AT GYMNASIUM | 1

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
OFFICIAL RECORD

0702	SINGLE PLY MEMBRANE ROOF SYSTEM (SARNAFIL G410, ESR-1157)
1119	HIGH BAY LIGHTING. SEE REFLECTED CEILING PLANS SHEET A250.
1301	PHOTOVOLTAIC PANEL SYSTEM. DESIGN/BUILD BY GENERAL CONTRACTOR. REFER TO SPECIFICATION FOR BASIS OF DESIGN.
2302	MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2601	SOLATUBE (SKYVAULT M74 DS)

KEYNOTES

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/05/20
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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: BUILDING SECTIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

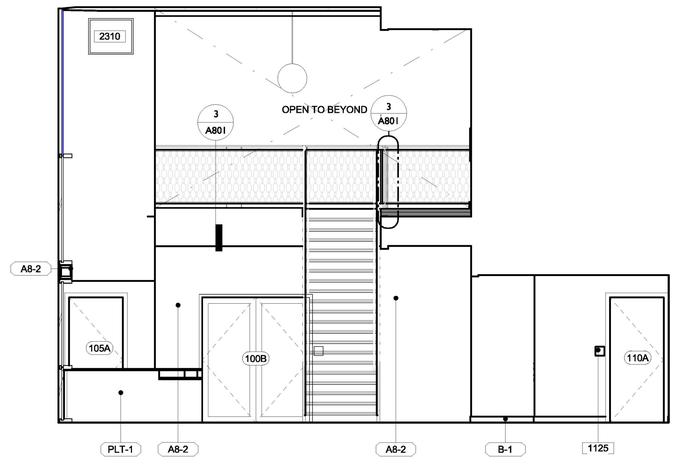
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A401
SHEET NO OF SHEETS

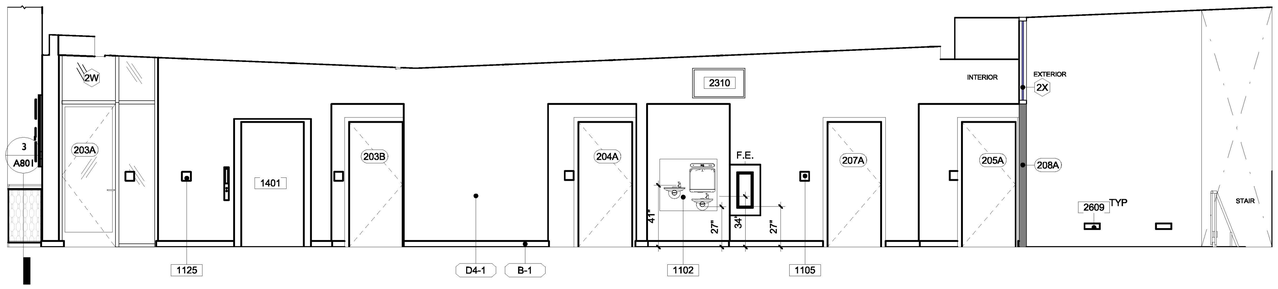
PLOTTED:6/25/2024 2:46:47 PM



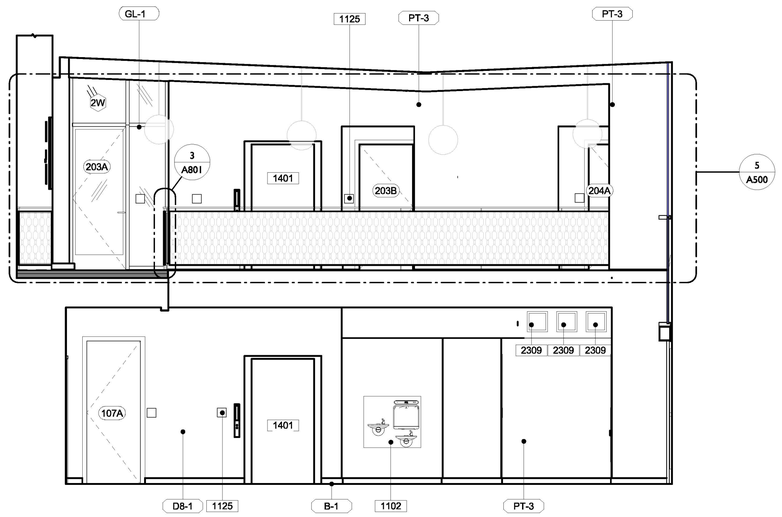
1/4" = 1'-0" LOBBY EAST 4



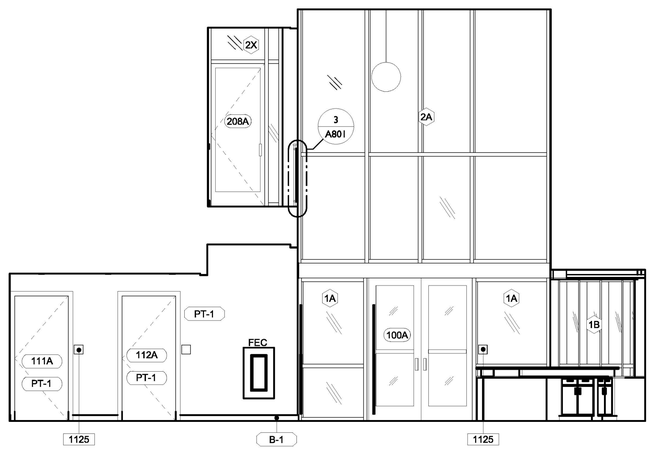
1/4" = 1'-0" LOBBY SOUTH 3



1/4" = 1'-0" LOBBY WEST LEVEL 2 CORRIDOR 5



1/4" = 1'-0" LOBBY WEST 2



1/4" = 1'-0" LOBBY NORTH 1

LADBS APPROVAL STAMP

1102	DRINKING FOUNTAIN
1105	PAPER-TOWEL DISPENSER AND WASTE RECEPTACLE
1125	SIGNAGE, SEE SHEET A005 FOR SIGNAGE DETAILS.
1401	ELEVATOR
2309	WALL SUPPLY REGISTER.
2310	WALL RETURN REGISTER.
2609	RECESSED WALL LIGHT (LIGMAN ULE-40611 OR APPROVED EQUAL)

KEYNOTES

XX KEYNOTE TAG

XX DOOR TAG **A700**

XX FINISH TAG

XX CURTAIN WALL/WINDOW TAG

XX WALL TAG —

LEGEND

BUREAU OF ENGINEERING
OFFICIAL RECORD

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/19/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY ENGINEER
DATE:

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: INTERIOR ELEVATIONS - LOBBY

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A500

SHEET 0 OF SHEETS

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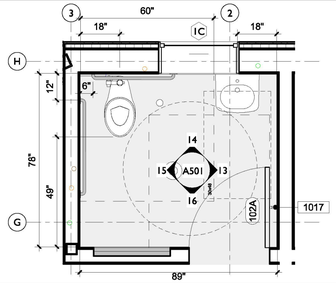
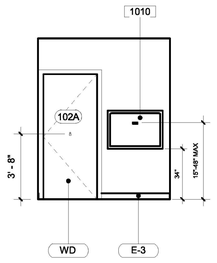
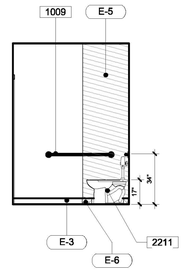


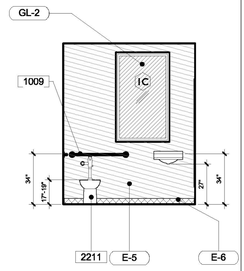
3/8" = 1'-0" STAFF RESTROOM 22



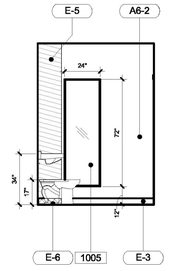
1/4" = 1'-0" STAFF RR SOUTH 16



STAFF RR WEST 15

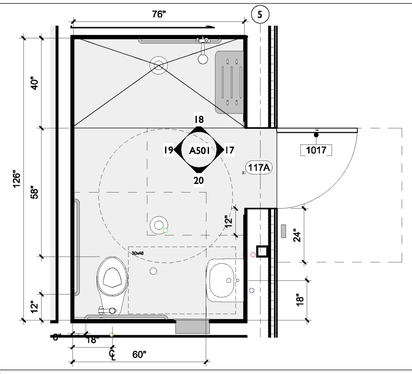


STAFF RR NORTH 14

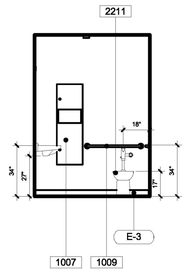


STAFF RR EAST 13

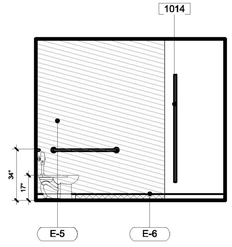
LADBS APPROVAL STAMP



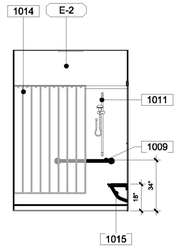
3/8" = 1'-0" PARK RESTROOM 21



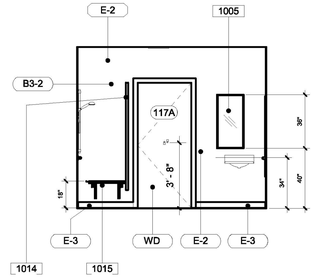
1/4" = 1'-0" PARK RR SOUTH 20



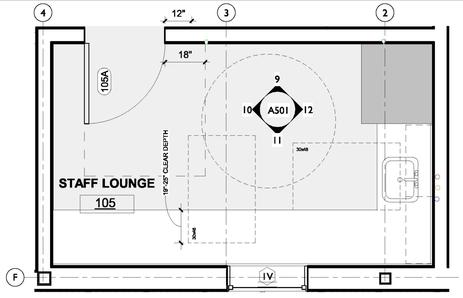
1/4" = 1'-0" PARK RR WEST 19



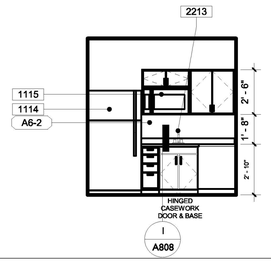
PARK RR NORTH 18



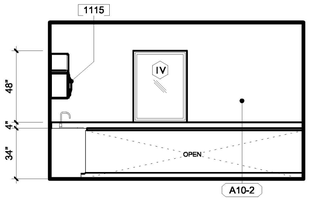
1/4" = 1'-0" PARK RR EAST 17



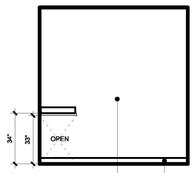
3/8" = 1'-0" STAFF LOUNGE 23



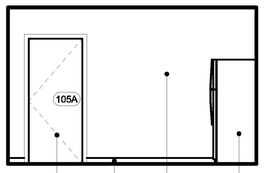
1/4" = 1'-0" STAFF LOUNGE EAST 12



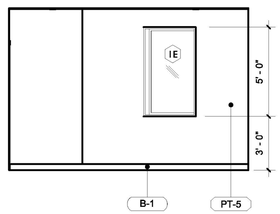
1/4" = 1'-0" LOUNGE SOUTH 11



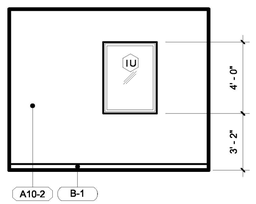
LOUNGE WEST 10



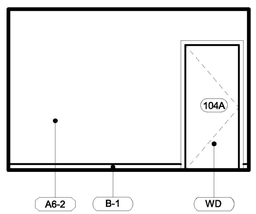
STAFF LOUNGE NORTH 9



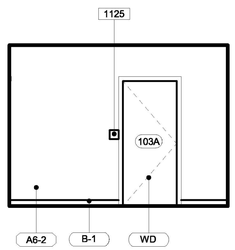
1/4" = 1'-0" DIRECTOR EAST 8



1/4" = 1'-0" DIRECTOR SOUTH 7



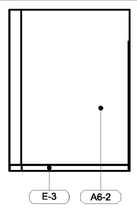
1/4" = 1'-0" DIRECTOR WEST 6



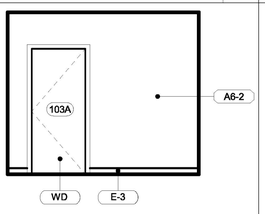
1/4" = 1'-0" DIRECTOR NORTH 5

1005	
1007	
1009	
1010	
1011	
1014	
1015	
1017	
1114	ELECTRONIC SCOREBOARD
1115	REFRIGERATOR S1
1125	SIGNAGE, SEE SHEET A005 FOR SIGNAGE DETAILS.
2211	
2213	

KEYNOTES



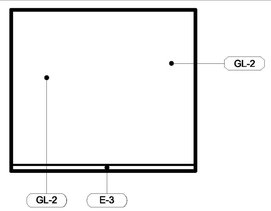
1/4" = 1'-0" STORAGE ROOM EAST 4



1/4" = 1'-0" STORAG SOUTH 3



1/4" = 1'-0" STORAGE ROOM WEST 2



1/4" = 1'-0" STORAGE ROOM NORTH 1

E-2	EPOXY PAINT WHITE
E-3	RESINOUS EPOXY FLOORING WALL BASE - WHITE
E-5	EPOXY PAINT TURQUOISE
E-6	RESINOUS EPOXY FLOORING WALL BASE - TURQUOISE

FINISH INTERIOR LEGEND

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/19/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

REVISION DATES: (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C12115 Exp. 12.31.23 STATE OF CALIFORNIA

CITY ENGINEER DATE:

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

BUREAU OF ENGINEERING OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

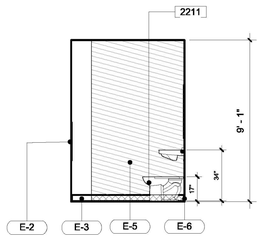
SHEET TITLE: INTERIOR ELEVATIONS - STAFF

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

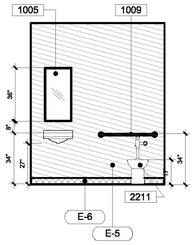
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A501
SHEET 0 OF SHEETS

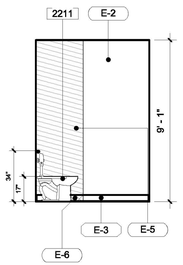
PLOTTED:8/25/2024 2:47:11 PM



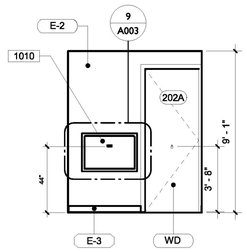
1/4" = 1'-0" E RR WEST **17**



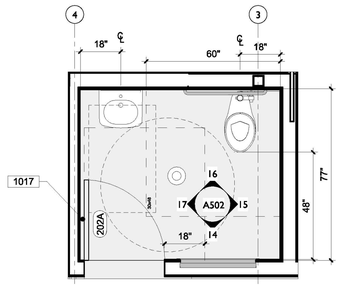
1/4" = 1'-0" E RR NORTH **16**



1/4" = 1'-0" E RR EAST **15**



1/4" = 1'-0" E RR SOUTH **14**

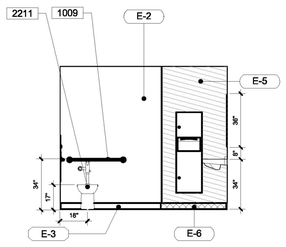


3/8" = 1'-0" LEVEL 2 - EAST RR **19**

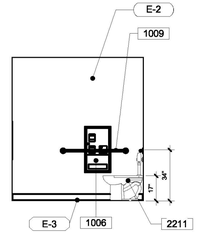
	E-2	EPOXY PAINT WHITE
	E-3	RESINOUS EPOXY FLOORING WALL BASE - WHITE
	E-5	EPOXY PAINT TURQUOISE
	E-6	RESINOUS EPOXY FLOORING WALL BASE - TURQUOISE

FINISH INTERIOR LEGEND

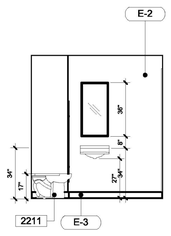
LADBS APPROVAL STAMP



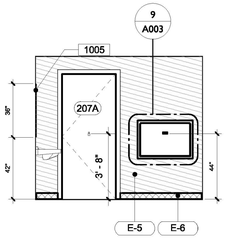
1/4" = 1'-0" W RR - WEST **12**



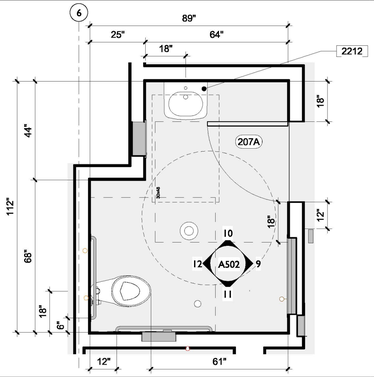
1/4" = 1'-0" W RR - SOUTH **11**



1/4" = 1'-0" W RR - NORTH **10**



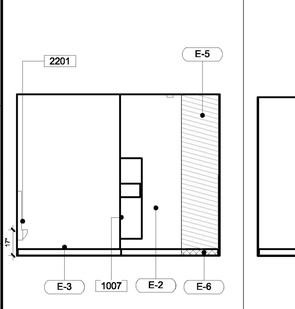
1/4" = 1'-0" W RR - EAST **9**



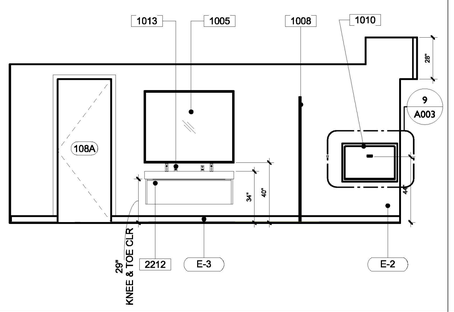
3/8" = 1'-0" LEVEL 2 - WEST RR **18**

0906	RESINOUS EPOXY OVER FIBERGLASS GYPSUM BOARD SHEATHING
1005	
1006	
1007	
1008	
1009	
1010	
1012	
1013	
1017	
2201	URINAL
2204	DRINKING FOUNTAIN
2210	
2211	
2212	

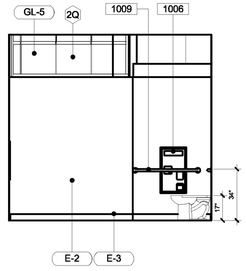
KEYNOTES



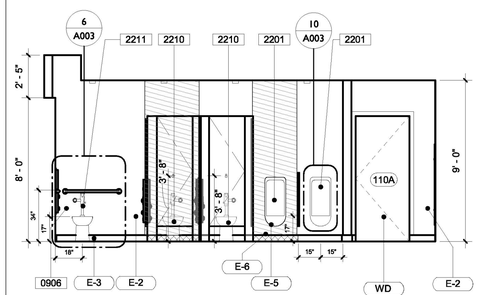
MEN EAST **8**



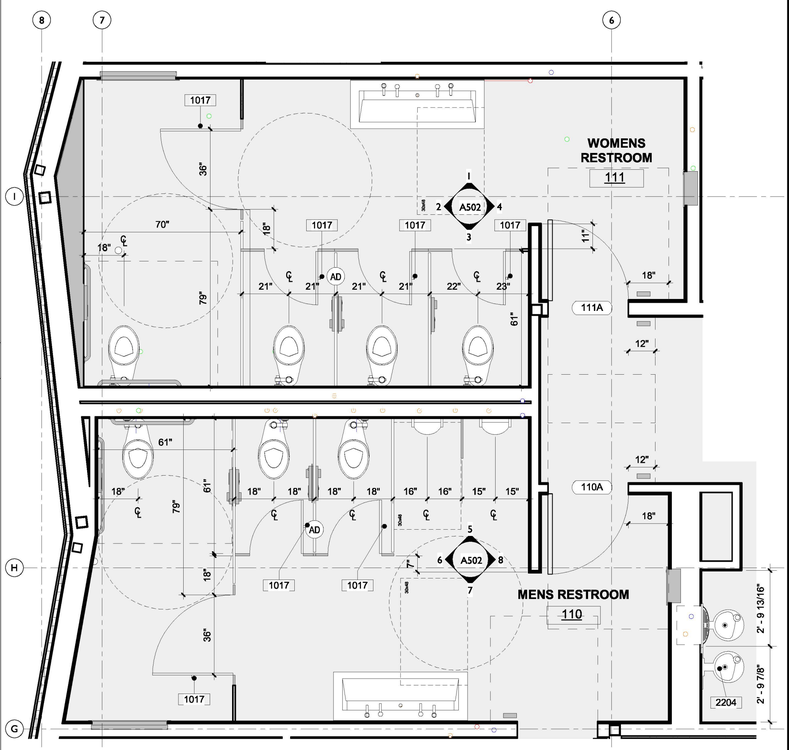
1/4" = 1'-0" MEN SOUTH **7**



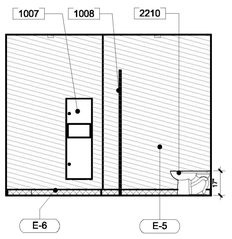
1/4" = 1'-0" MEN WEST **6**



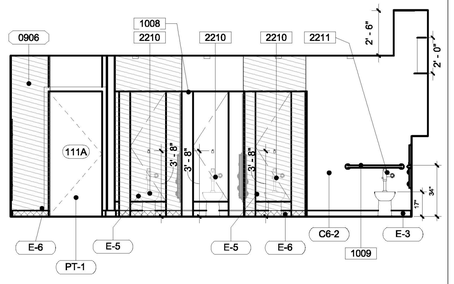
1/4" = 1'-0" MEN NORTH **5**



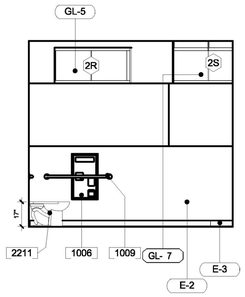
3/8" = 1'-0" ENLARGED RESTROOMS **13**



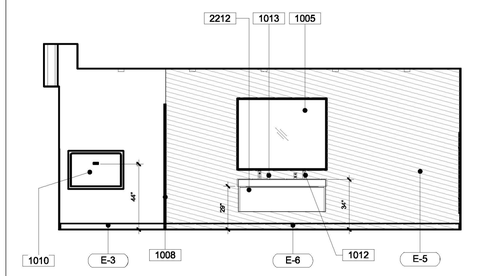
1/4" = 1'-0" WOMEN EAST **4**



1/4" = 1'-0" WOMEN SOUTH **3**



WOMEN WEST **2**



1/4" = 1'-0" WOMEN NORTH **1**

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/28/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

(ON DATES IN STAGE ONLY)

BUREAU OF ENGINEERING
OFFICIAL RECORD

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: INTERIOR ELEVATIONS - RESTROOMS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

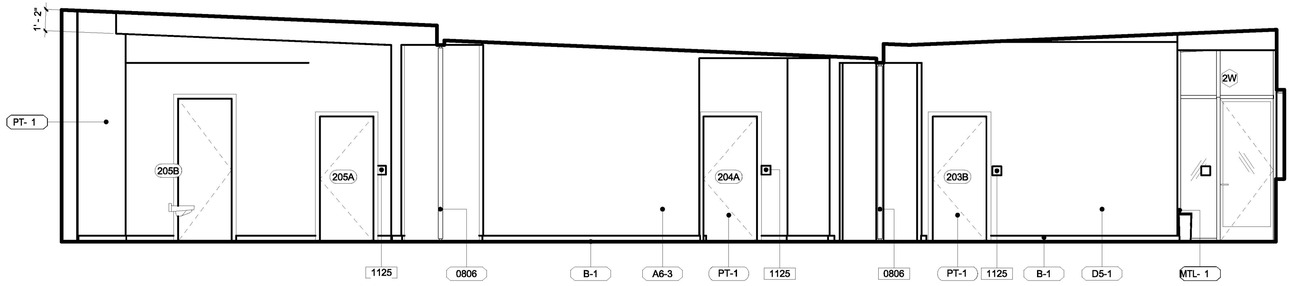
WORK ORDER NO. E1908203

PLAN FILE NO.

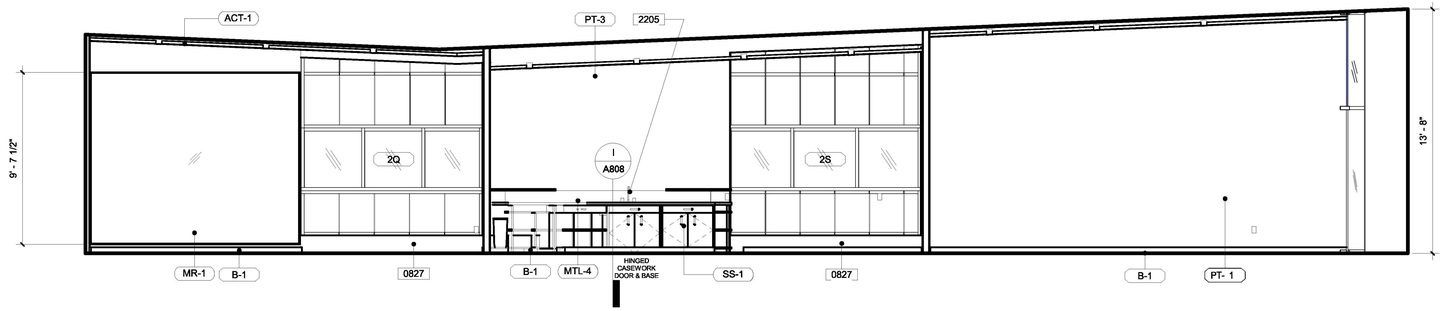
DRAWING NO. A502

SHEET 0 OF SHEETS

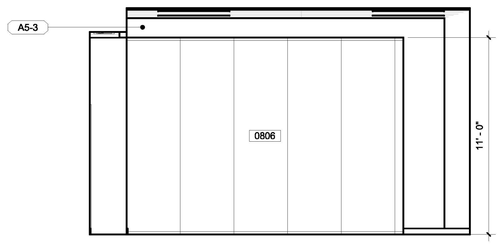
PLOTTED:9/25/2024 2:47:30 PM



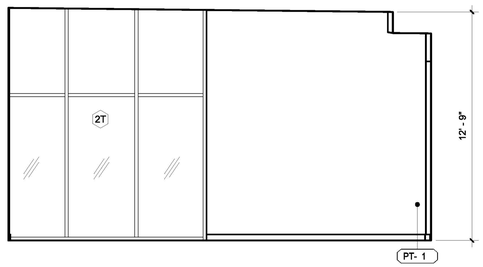
1/4" = 1'-0" THREE MPR ROOMS EAST **9**



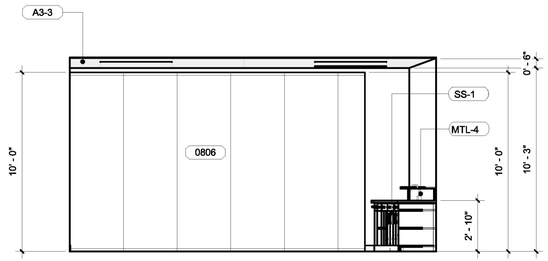
1/4" = 1'-0" THREE MPRS WEST **8**



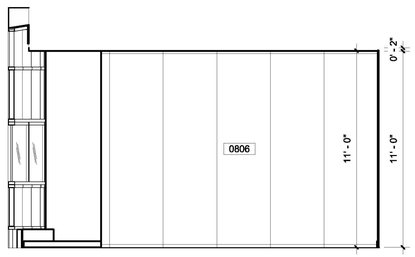
1/4" = 1'-0" MPR A SOUTH **7**



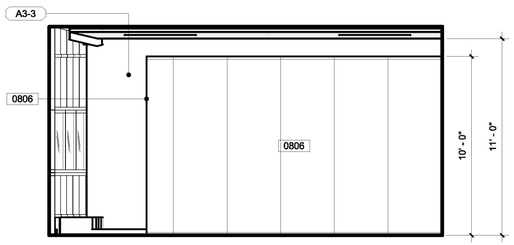
1/4" = 1'-0" MPR A NORTH **6**



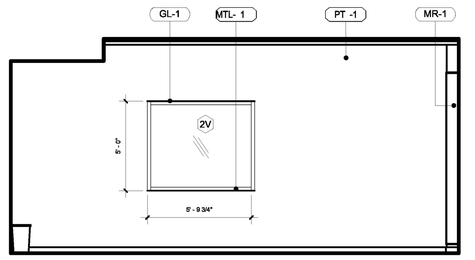
1/4" = 1'-0" MPR B SOUTH **5**



1/4" = 1'-0" MPR B NORTH **4**



1/4" = 1'-0" MPR C NORTH **3**



1/4" = 1'-0" MPR C SOUTH **2**

LADBS APPROVAL STAMP

KEYNOTES

0806	MOVABLE INTERIOR PARTITIONS
0827	12" TALL FURRING IN FRONT OF SPANDREL (ALIGNS WITH TOP OF SPANDREL)
1125	SIGNAGE, SEE SHEET A005 FOR SIGNAGE DETAILS.
2205	SINK IN COUNTERTOP

BUREAU OF ENGINEERING OFFICIAL RECORD

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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 08/20/20
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER C12115 Exp. 12.31.23 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: INTERIOR ELEVATIONS - MULTIPURPOSE ROOMS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A503

SHEET OF SHEETS

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SHEET ISSUE DATE: 01/14/21
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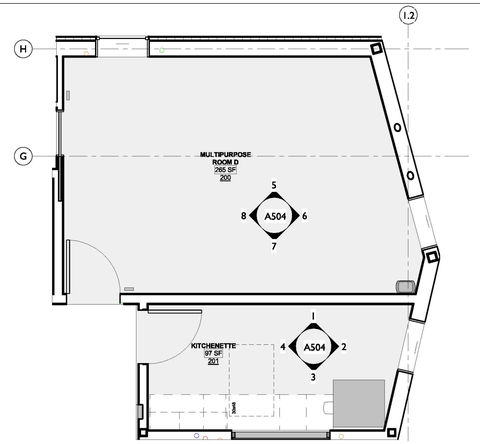
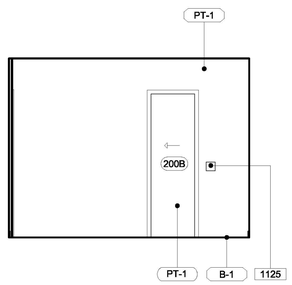
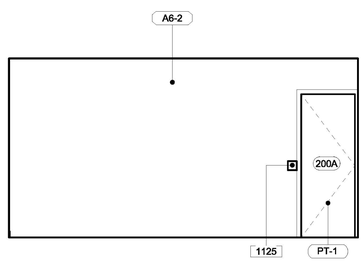


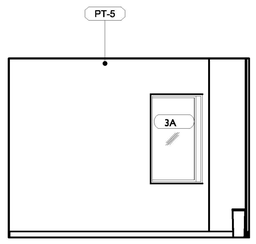
1/4" = 1'-0" MULTIPURPOSE ROOM - D 10



1/4" = 1'-0" MPR D WEST 8



1/4" = 1'-0" MPR D SOUTH 7



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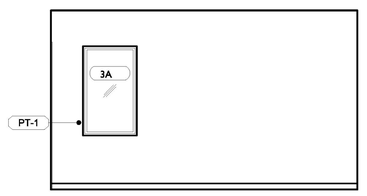
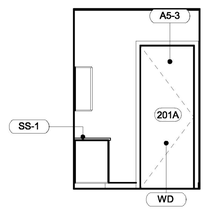
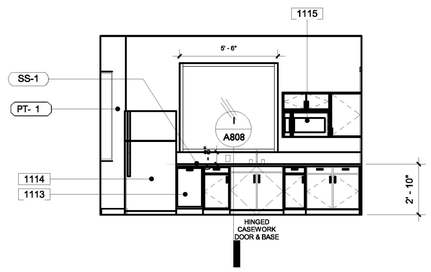


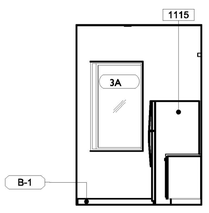
1/4" = 1'-0" MPR D NORTH 5



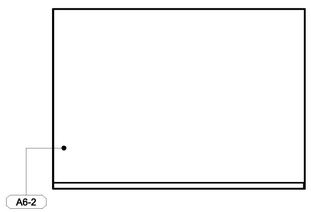
KITCHENETTE WEST 4



1/4" = 1'-0" KITCHENETTE SOUTH 3



1/4" = 1'-0" KITCHENETTE EAST 2



1/4" = 1'-0" KITCHENETTE NORTH 1

KEYNOTES

1113	CEILING MOUNTED BASKETBALL HOOP & BACKBOARD
1114	ELECTRONIC SCOREBOARD
1115	REFRIGERATOR S1
1125	SIGNAGE, SEE SHEET A005 FOR SIGNAGE DETAILS.

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
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CITY OF LOS ANGELES

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	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.

CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: INTERIOR ELEVATIONS - MULTIPURPOSE ROOMS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A504
SHEET 0 OF SHEETS

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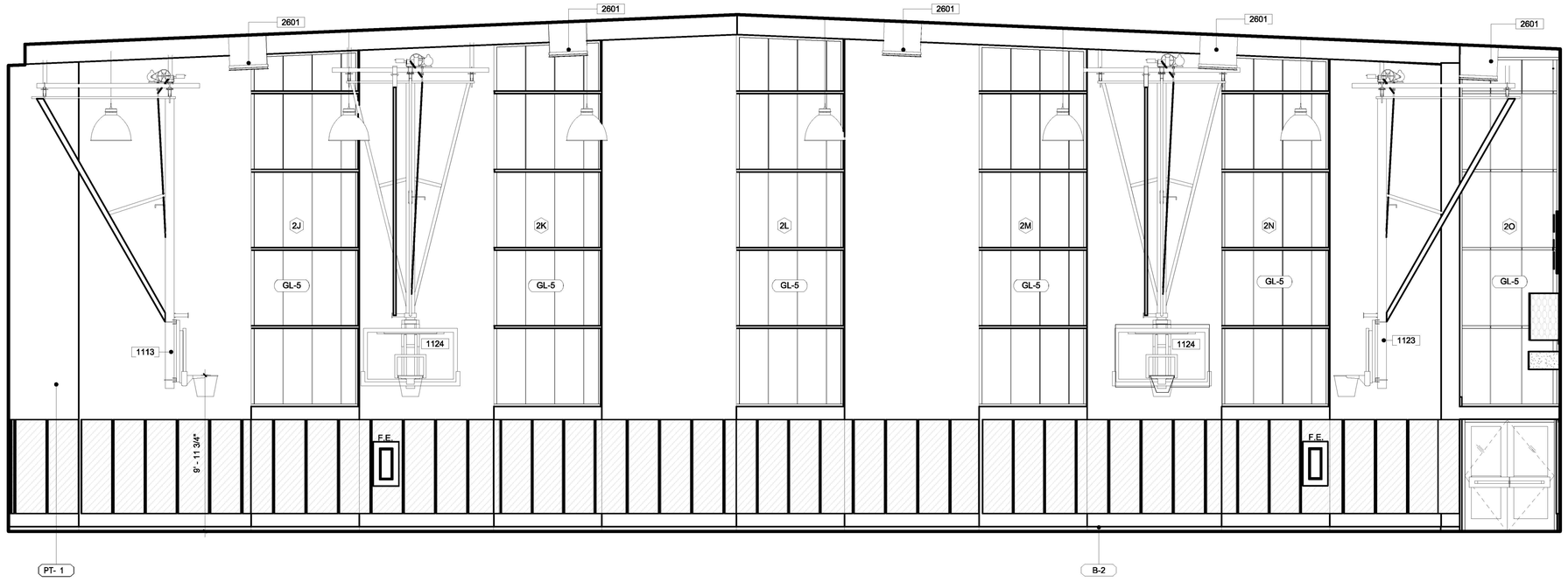
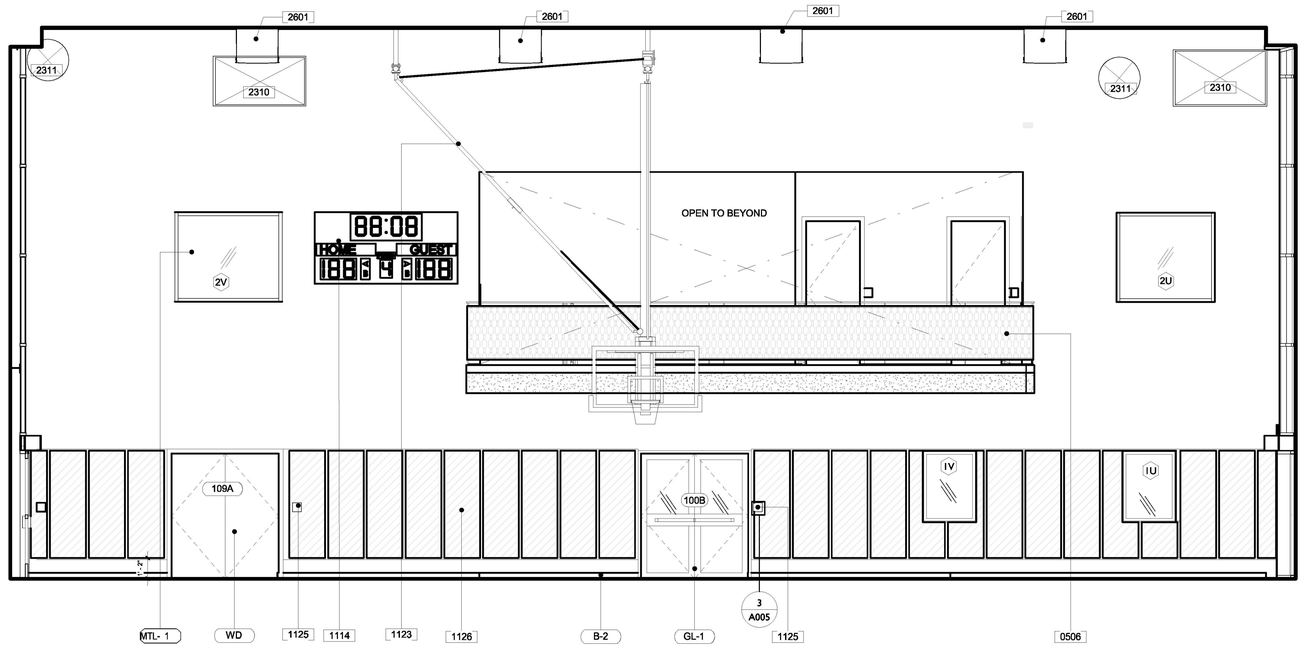


1/4" = 1'-0" GYM WEST 2



1/4" = 1'-0" GYM NORTH 1

KEYNOTES

0506	RAILINGS PER STRUCTURAL
1113	CEILING MOUNTED BASKETBALL HOOP & BACKBOARD
1114	ELECTRONIC SCOREBOARD
1123	RETRACTABLE & ADJUSTABLE BASKETBALL BACKBOARD(ADJUSTED TO 8ft, 9ft, & 10ft) - MAIN COURT (SIDE FOLD/REAR MAST) PORTER 955
1124	RETRACTABLE BASKETBALL BACKBOARD - PRACTICE COURTS (FRONT FOLD) PORTER 949
1125	SIGNAGE, SEE SHEET A005 FOR SIGNAGE DETAILS.
1126	PORTER SPORTS PAD PER DETAIL 6/A801.
2310	WALL RETURN REGISTER.
2311	EXPOSED SUPPLY DUCT AND REGISTERS EXTENDING ABOVE GYM.
2601	SOLATUBE (SKYVAULT M74 DS)

LADBS APPROVAL STAMP

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OFFICIAL RECORD

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Exp. 12.31.23
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DEPARTMENT OF
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: INTERIOR ELEVATIONS - GYM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A505

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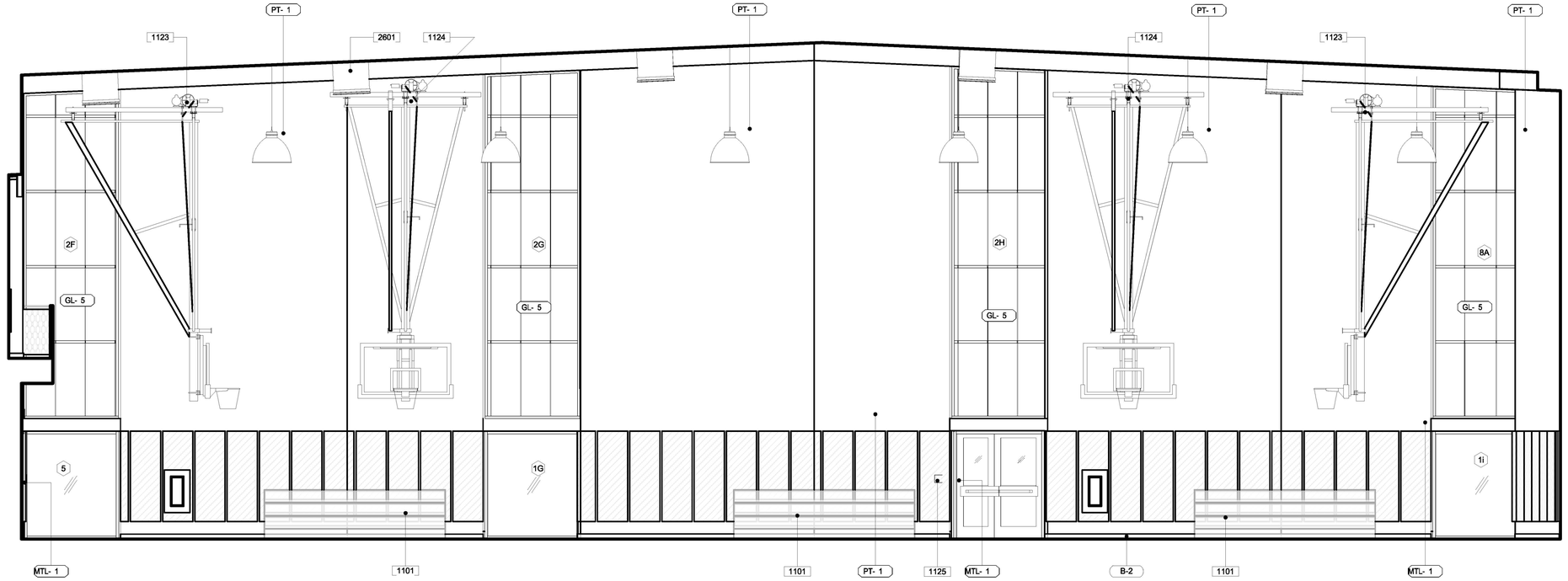
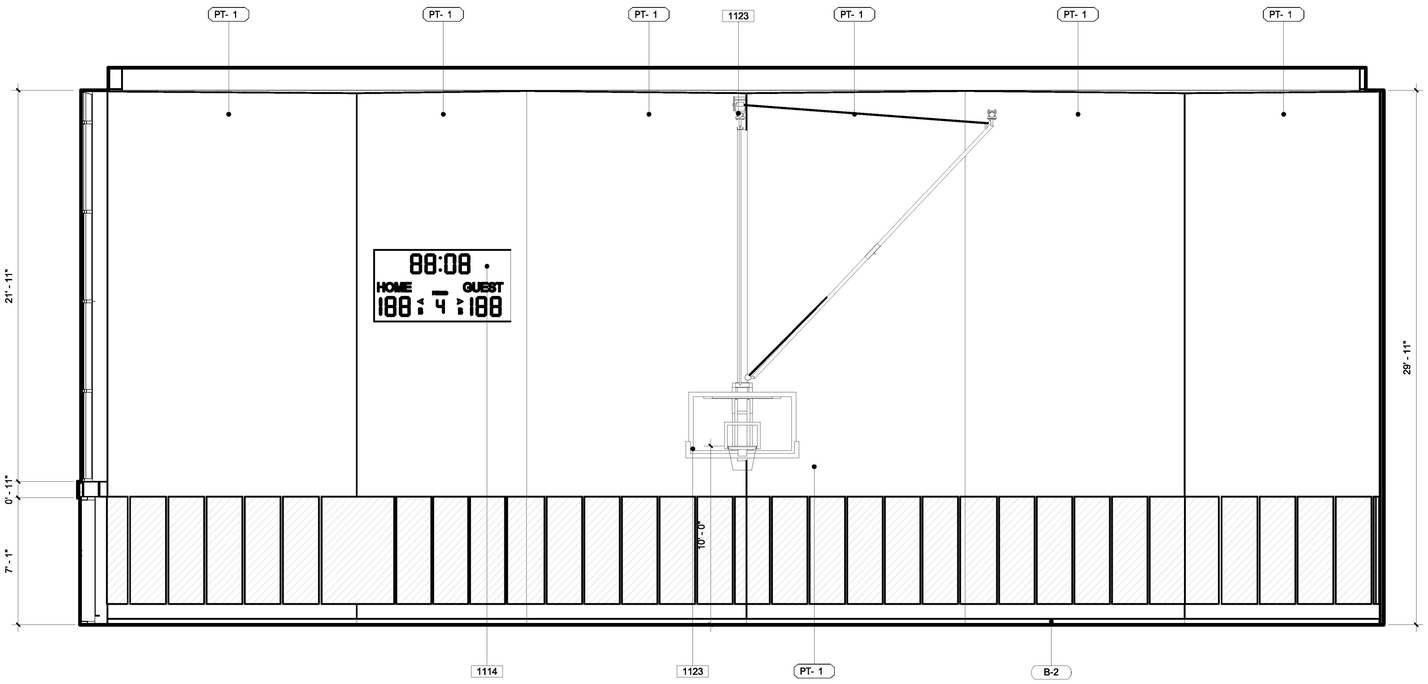


1/4" = 1'-0" GYM EAST 2



1/4" = 1'-0" GYM SOUTH 1

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

0501	CROSS BRACING MEMBERS PER STRUCTURAL
0503	TRUSS PER STRUCTURAL
1101	ALUMINUM BLEACHERS - 2 ROWS OF SEATS, 12' LONG, TIP AND ROLL - NRC TR-0212PRF OR APPROVED EQUAL
1114	ELECTRONIC SCOREBOARD
1123	RETRACTABLE & ADJUSTABLE BASKETBALL BACKBOARD(ADJUSTED TO 8ft, 9ft, & 10ft) - MAIN COURT (SIDE FOLD/REAR MAST) PORTER 955
1124	RETRACTABLE BASKETBALL BACKBOARD - PRACTICE COURTS (FRONT FOLD) PORTER 949
1125	SIGNAGE, SEE SHEET A005 FOR SIGNAGE DETAILS.
2601	SOLATUBE (SKYVAULT M74 DS)

KEYNOTES

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Exp. 12.31.23
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DEPARTMENT OF PUBLIC WORKS

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DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
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APPROVED BY:

CITY OF LOS ANGELES

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: INTERIOR ELEVATIONS - GYM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A506

SHEET OF SHEETS

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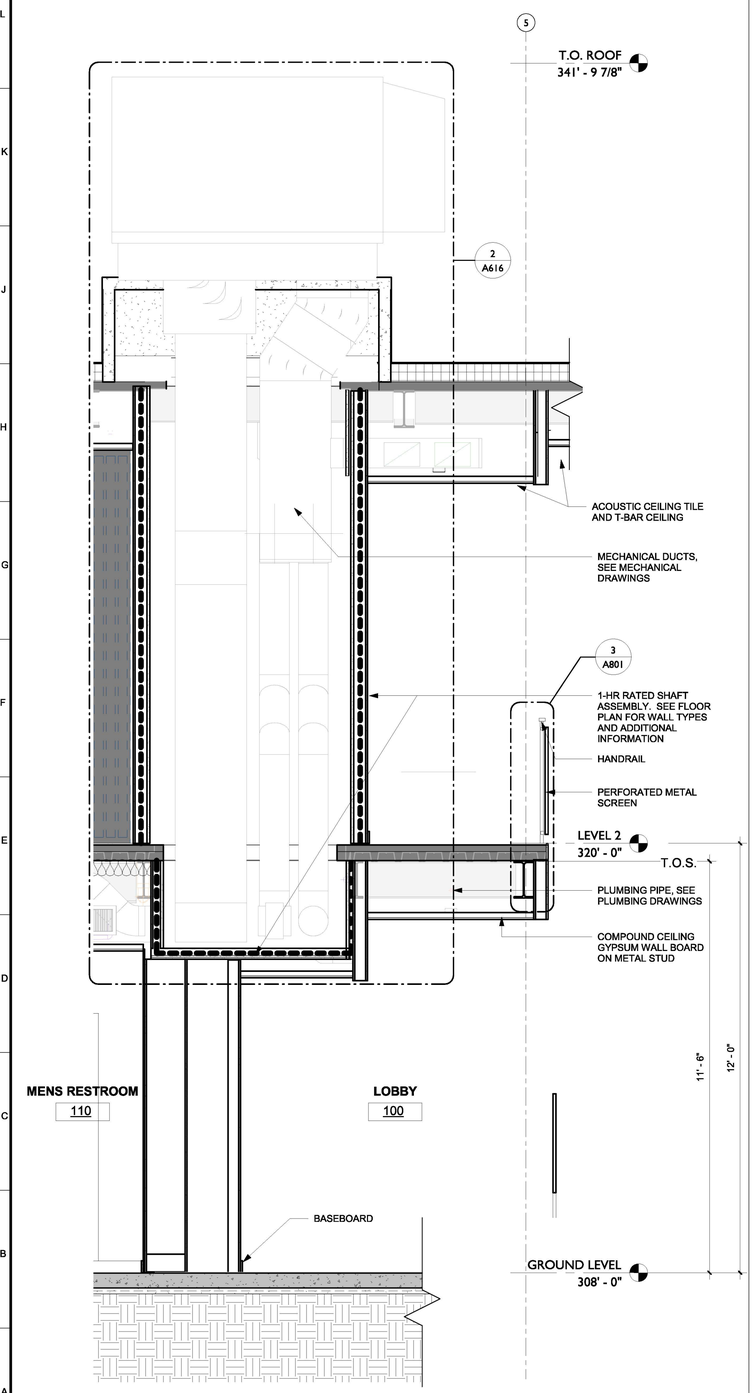
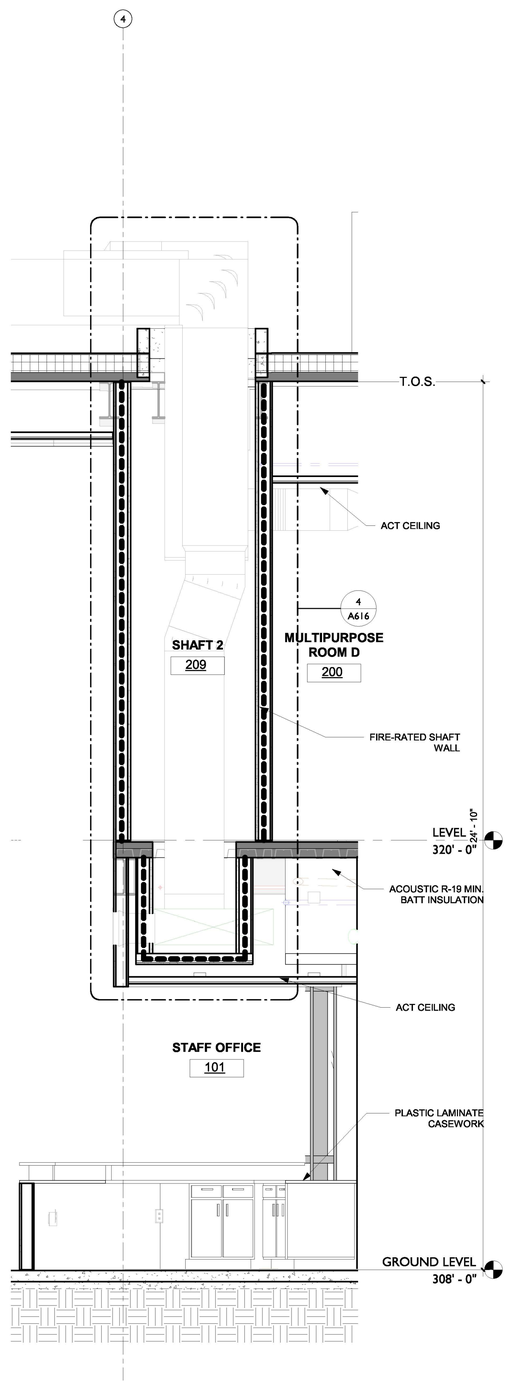
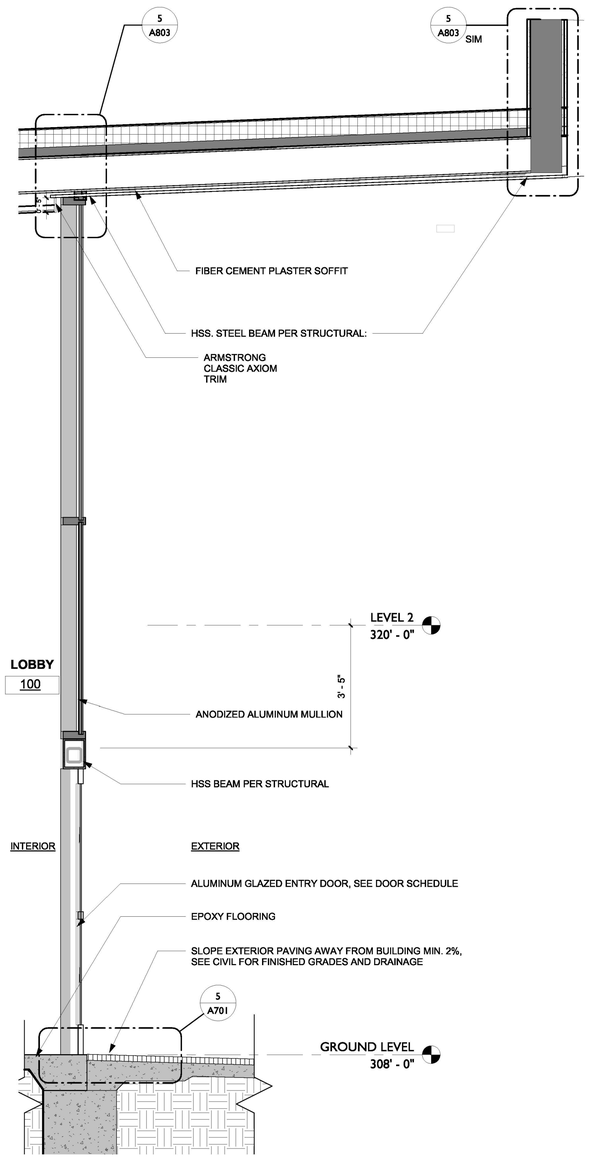


1/2" = 1'-0" WEST WALKWAY & SHAFT 3



1/2" = 1'-0" SHAFT EAST OVER STAFF DESK 2



1/2" = 1'-0" ENTRY 1

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: WALL SECTIONS - LOBBY

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A600
SHEET O F SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/05/20
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SHEET ISSUE DATE: 08/19/20
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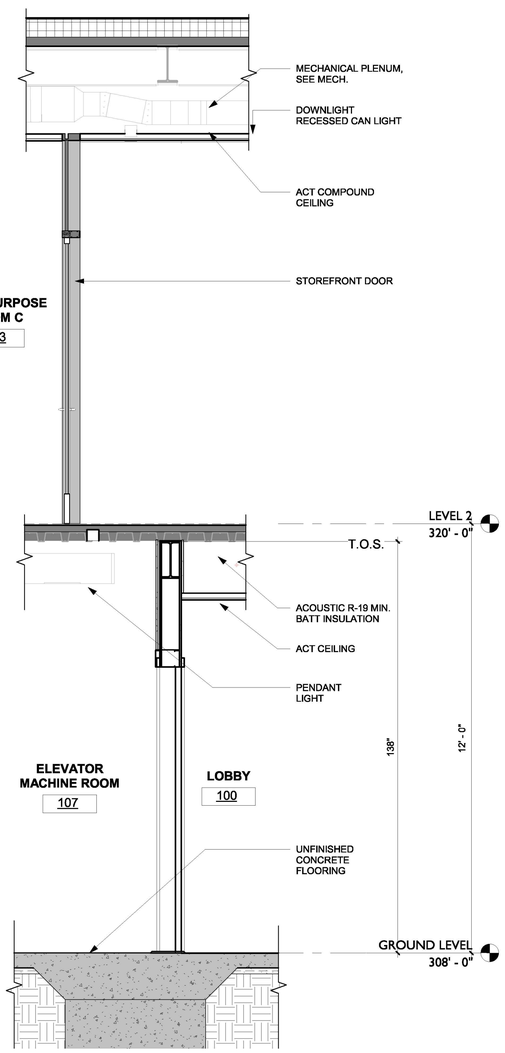
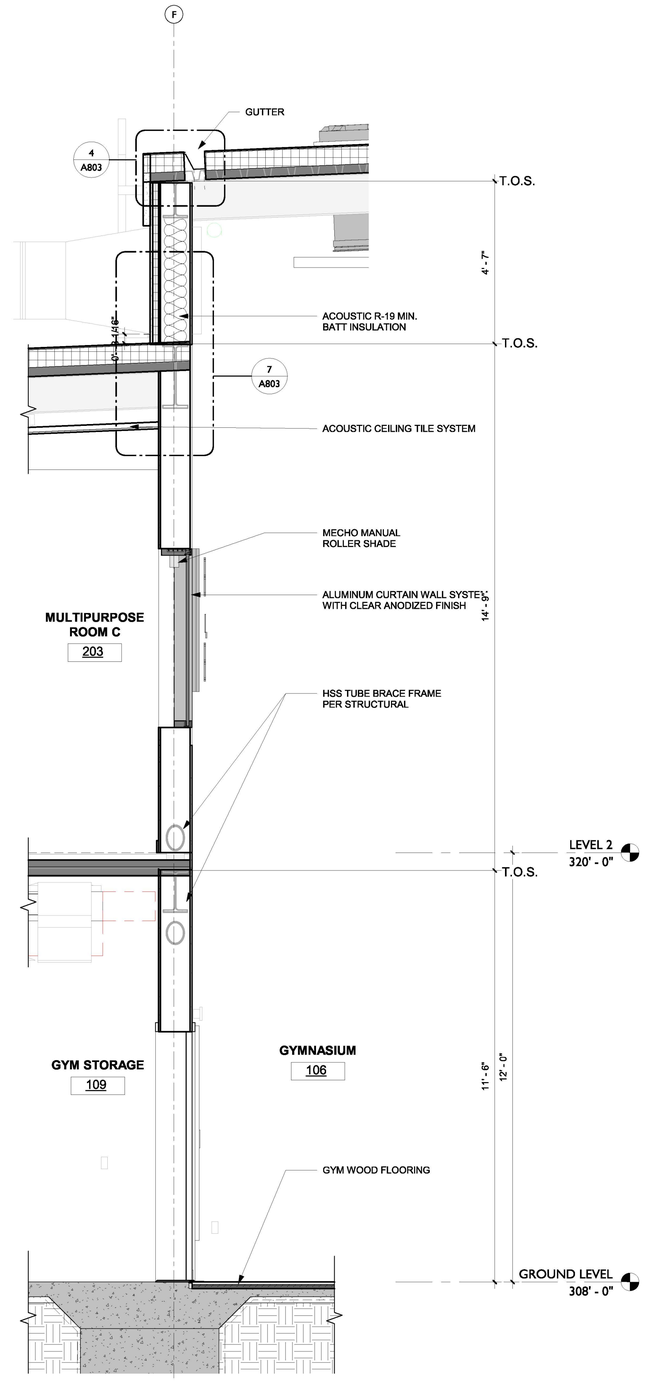
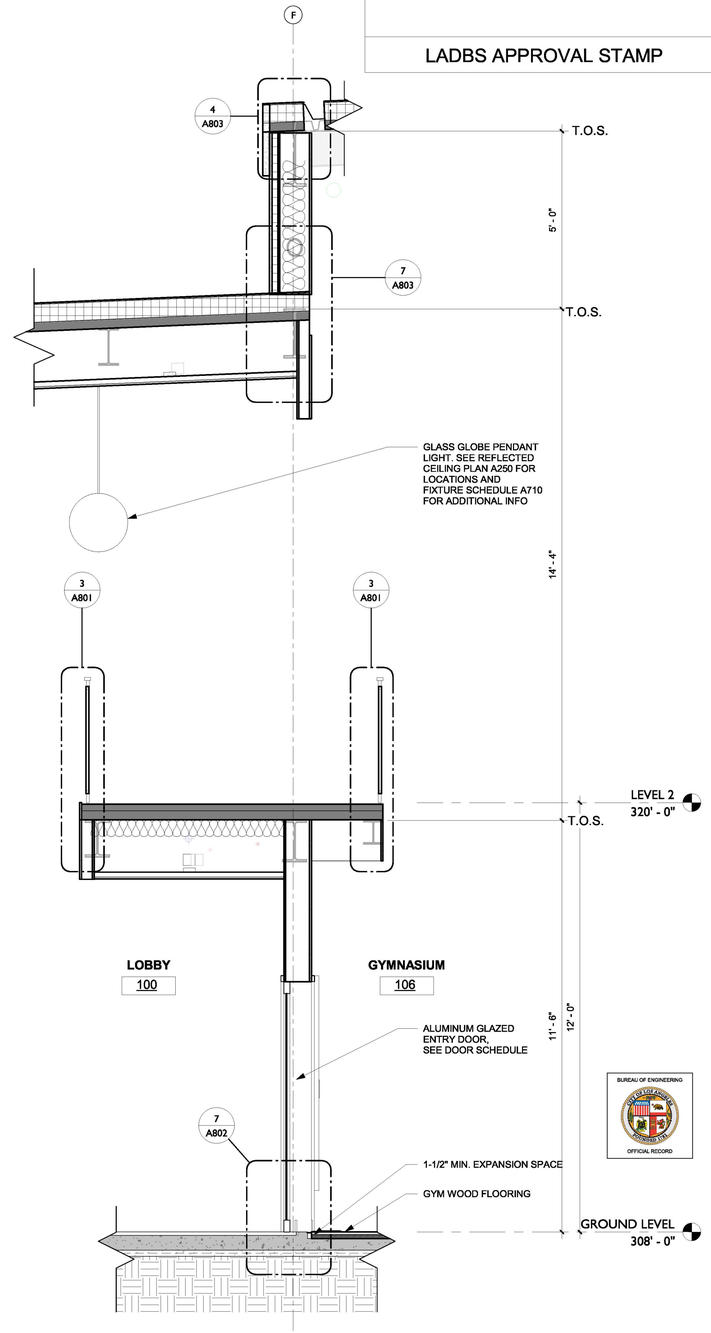


1/2" = 1'-0" MPR GLAZED DOOR TO CEILING 3



1/2" = 1'-0" MULTIPURPOSE ROOM OVER GYM 2



1/2" = 1'-0" BRIDGE BETWEEN LOBBY AND GYM 1

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
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BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

TED ALLEN, P.E.

CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: WALL SECTIONS - MULTIPURPOSE ROOMS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A601

SHEET OF SHEETS

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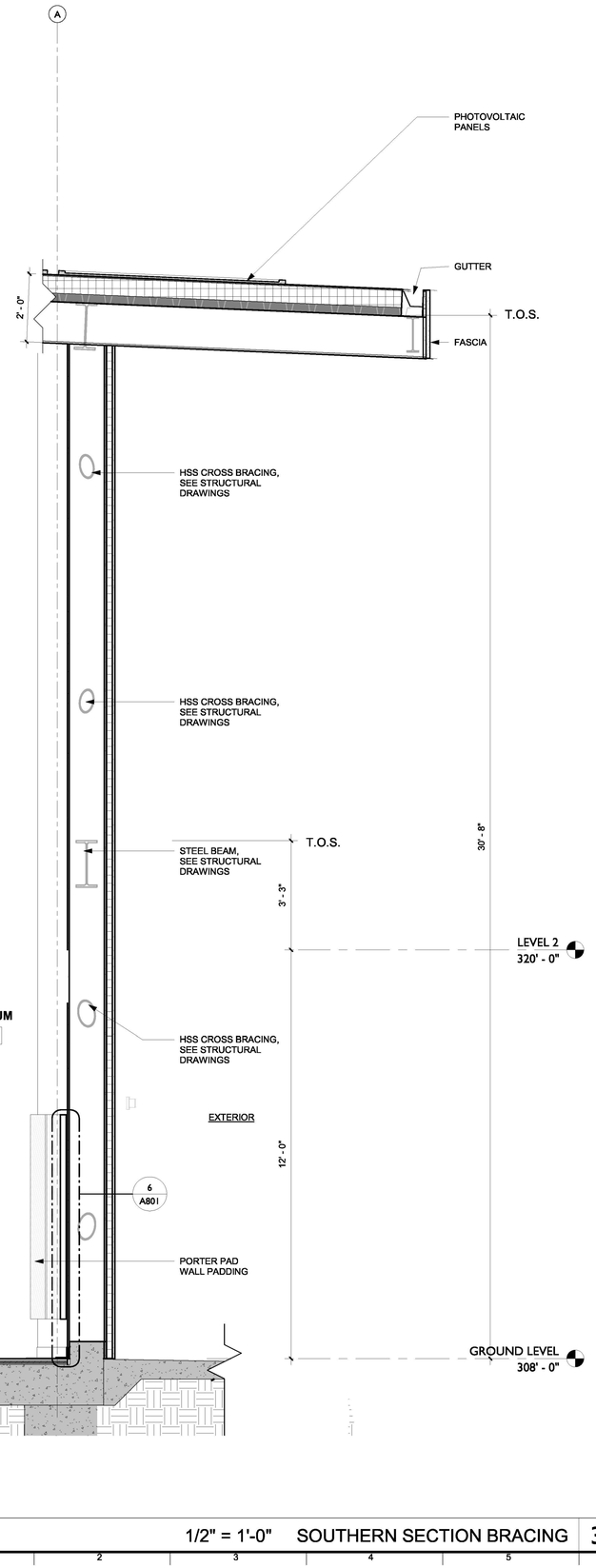
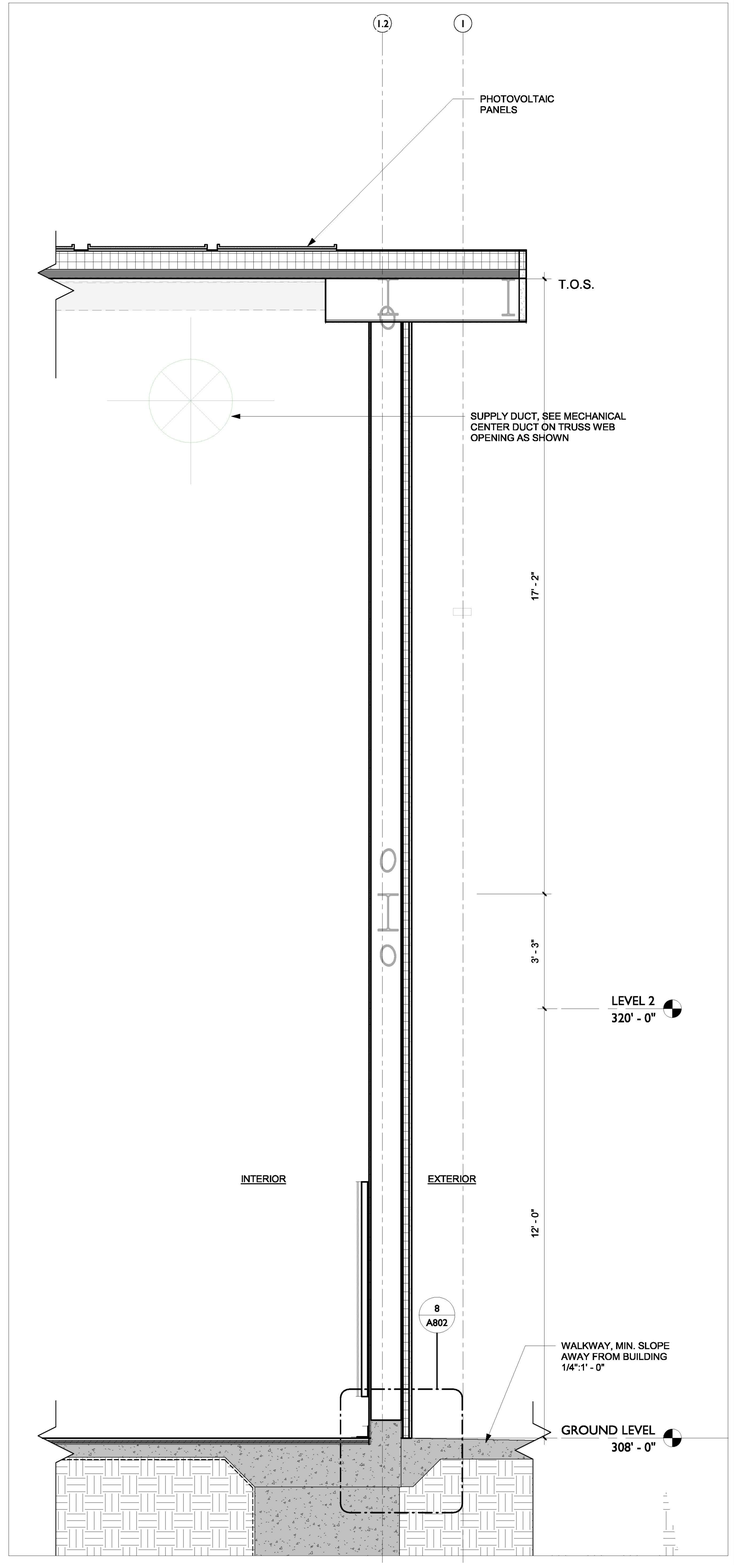
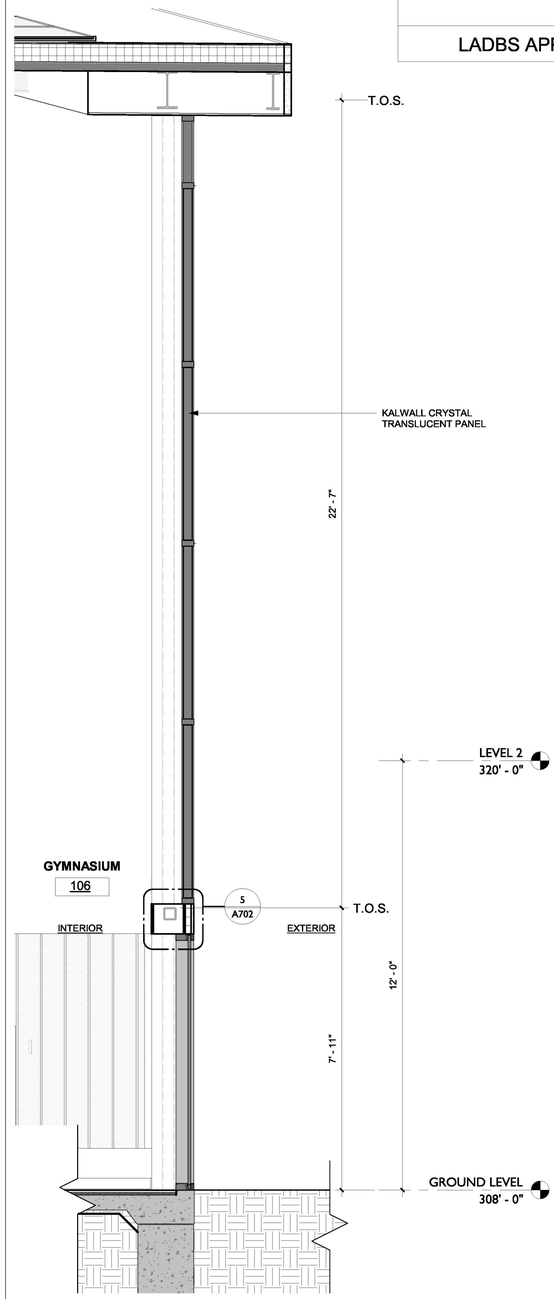


1/2" = 1'-0" SOUTHERN SECTION BRACING 3



1/2" = 1'-0" TRUSS AND ROOF AT WALL 2



1/2" = 1'-0" EAST GYM WALL @ DOOR 1

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OFFICIAL RECORD

REVISION DATES (DESIGN STAGE ONLY)

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

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	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY ENGINEER
DATE:
LIC. NO.: C12115

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: WALL SECTIONS - GYM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
A602
SHEET 0 OF SHEETS

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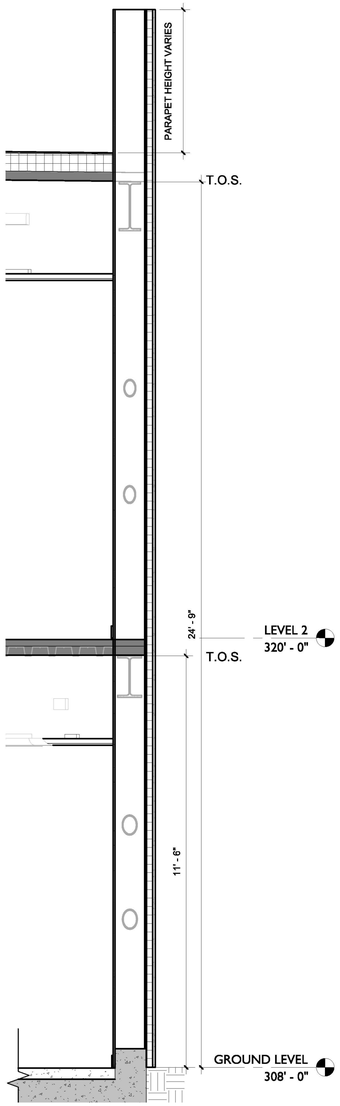
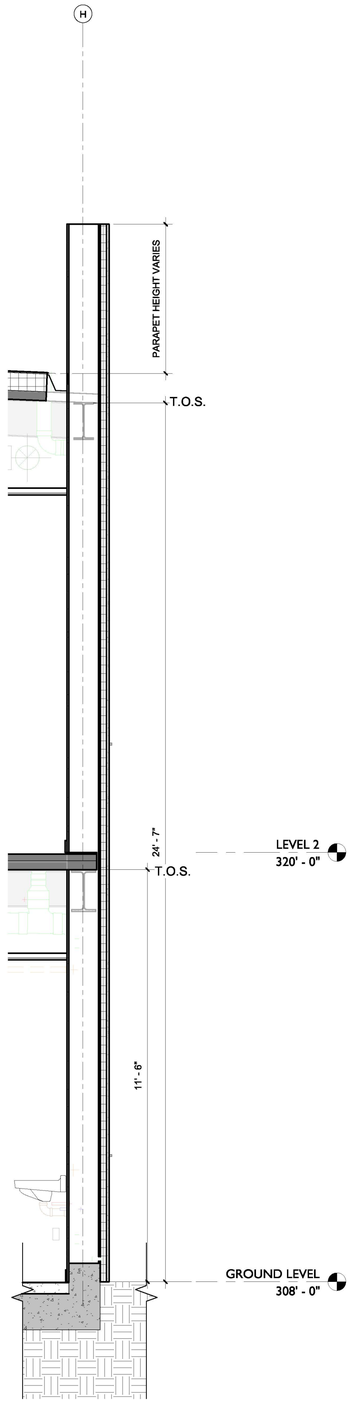
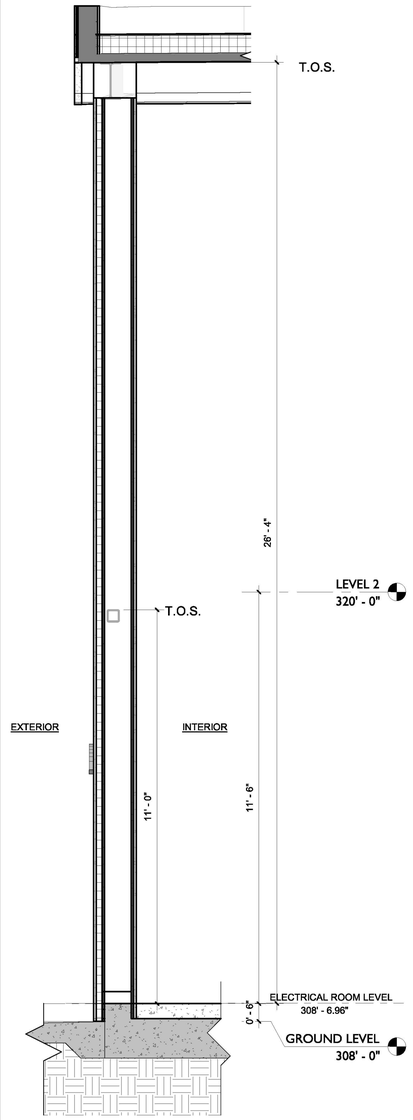


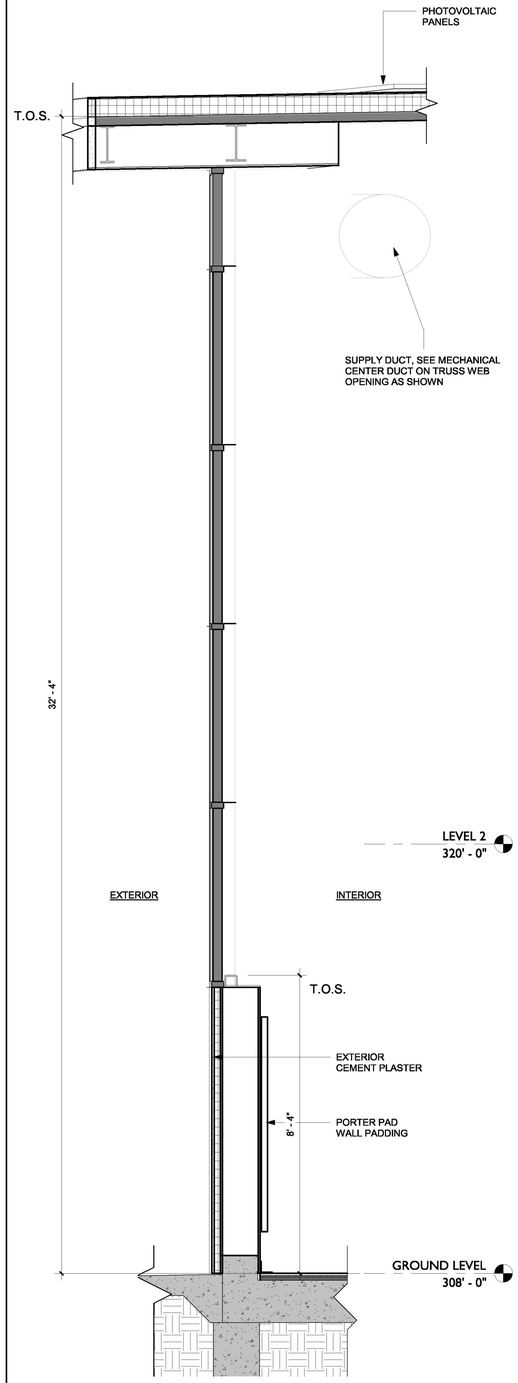
1/2" = 1'-0" WALL_ TYPICAL PARAPET 4



1/2" = 1'-0" WALL WITH GUTTER 3



1/2" = 1'-0" EXTERIOR WING WALL 2



1/2" = 1'-0" GYM KALWALL ABOVE FRAMED WALL 1

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INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS

DEPARTMENT OF

CITY ENGINEER:
DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: WALL SECTIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
OFFICIAL RECORD

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
A603
SHEET 0 OF SHEETS

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FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

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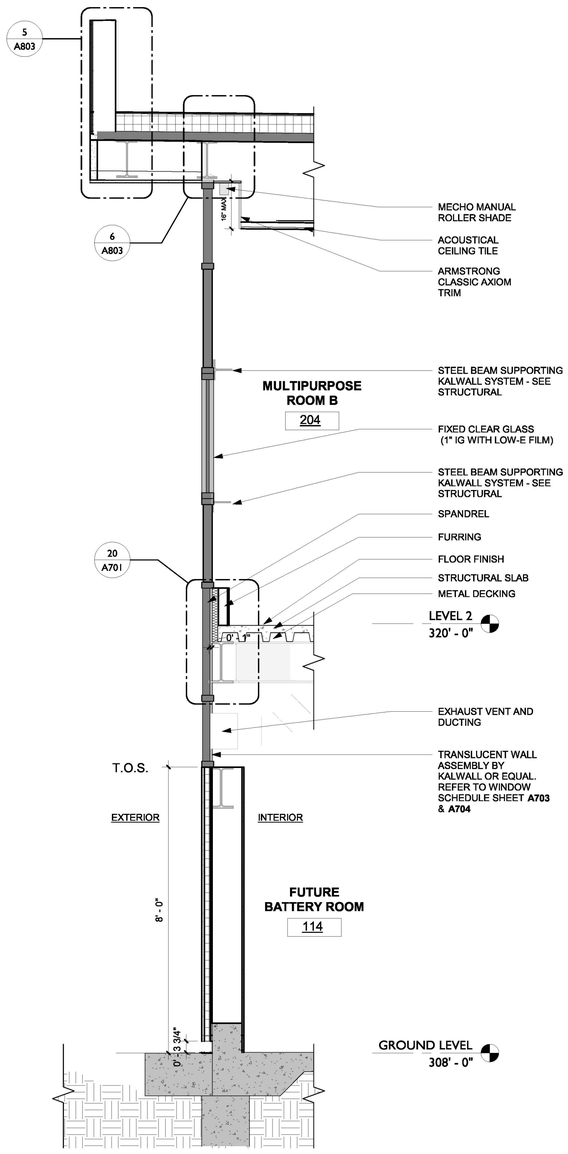
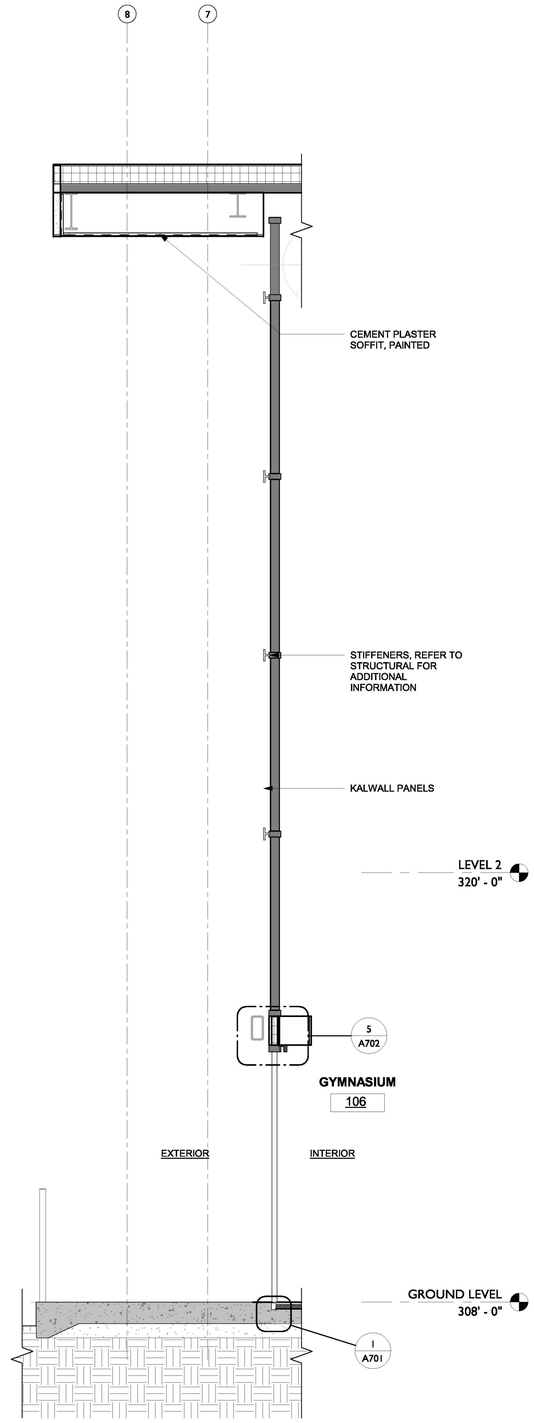
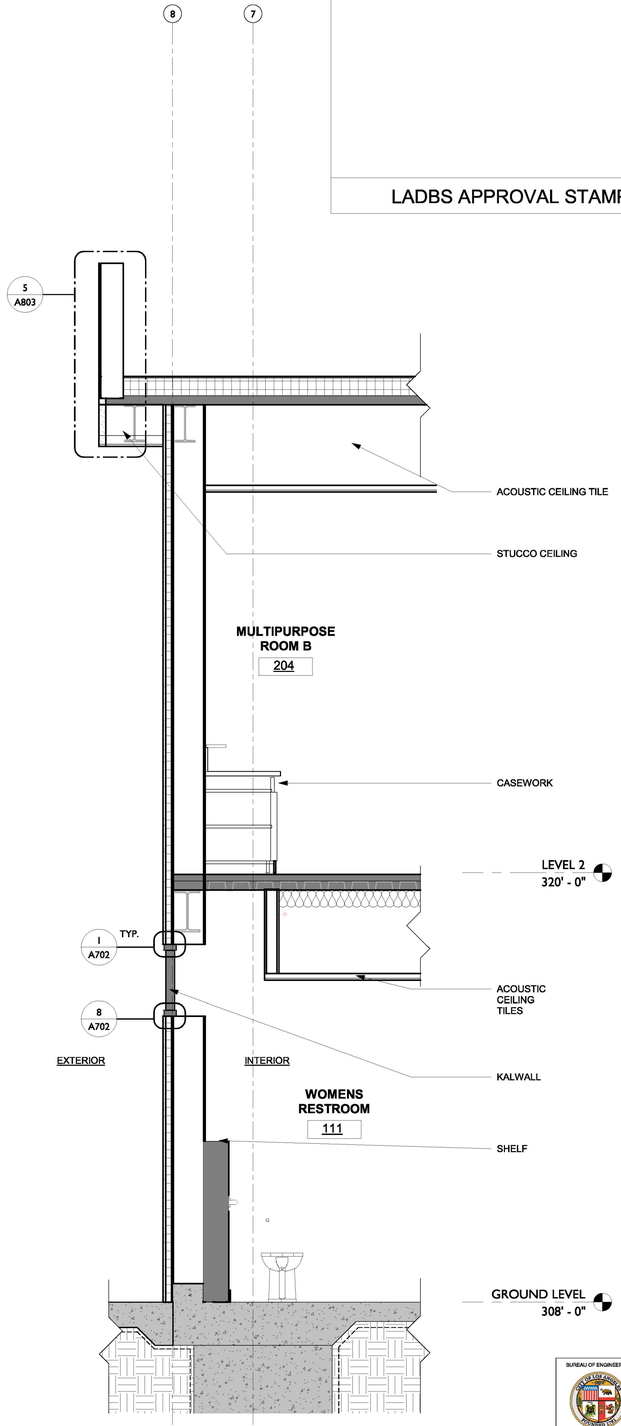


1/2" = 1'-0" WEST KALWALL 3



1/2" = 1'-0" WEST EGRESS OVERHANG 2



1/2" = 1'-0" WEST CLERESTORY WALL 1

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ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
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BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
CITY ENGINEER
DATE:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: WALL SECTIONS - WEST

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
A604

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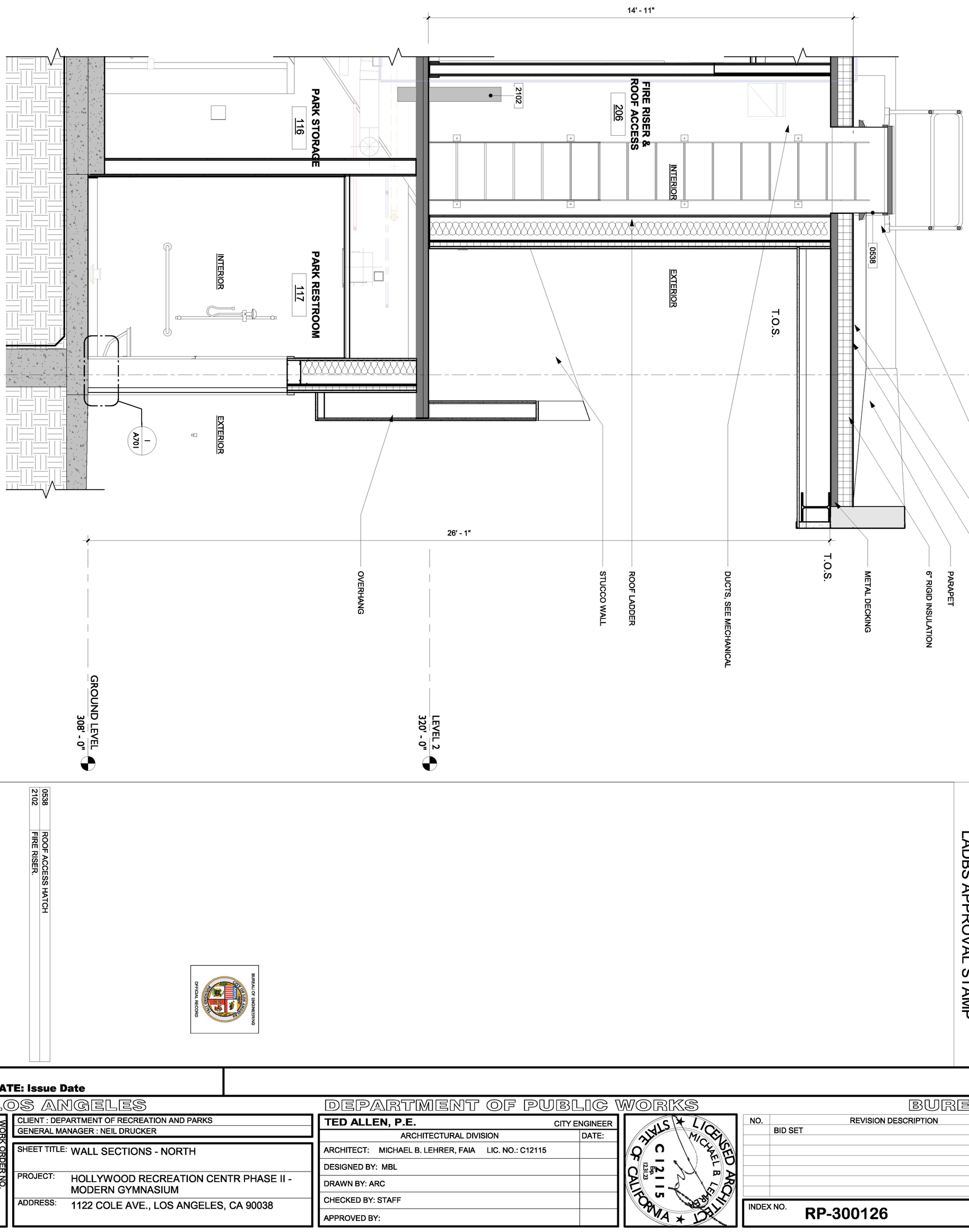

1/2" = 1'-0" WALL SECTION @ GRIDLINES 5 & K

KEYNOTES

0538	ROOF ACCESS HATCH
2102	FIRE RISER.

LADBS APPROVAL STAMP

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: WALL SECTIONS - NORTH
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

DEPARTMENT OF PUBLIC WORKS

TED ALLEN, P.E. CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	
DESIGNED BY: MBL	
DRAWN BY: ARC	
CHECKED BY: STAFF	
APPROVED BY:	

LICENSED ARCHITECT — MICHAEL B LEHRER — C 12115 — Exp 12.31.23 — STATE OF CALIFORNIA

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INDEX NO. RP-300126
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WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A605
SHEET NO. OF SHEETS

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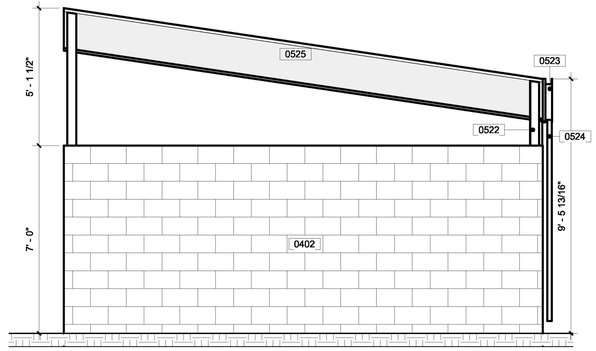
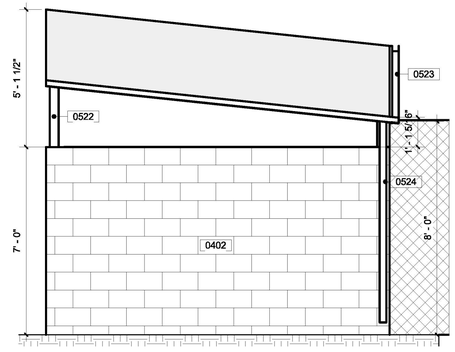
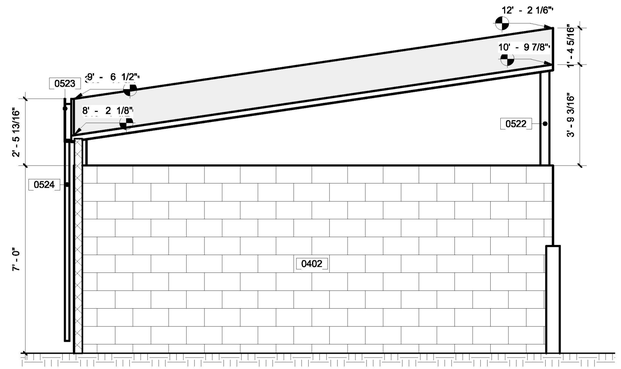


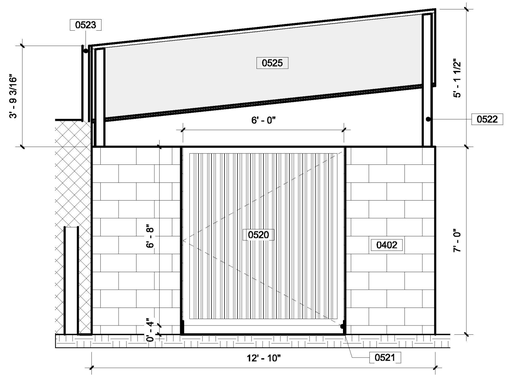
3/8" = 1'-0" TRASH ENCLOSURE EAST ELEVATION 6



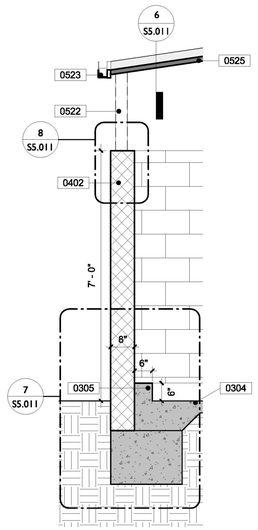
3/8" = 1'-0" TRASH ENCLOSURE NORTH ELEVATION 5



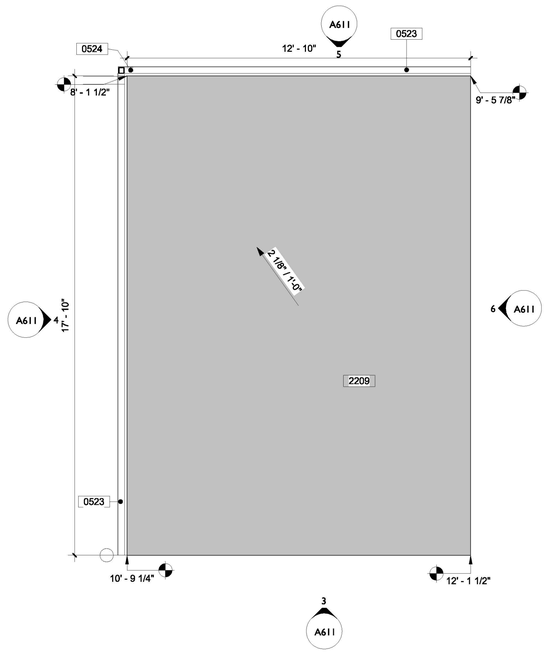
3/8" = 1'-0" TRASH ENCLOSURE WEST ELEVATION 4



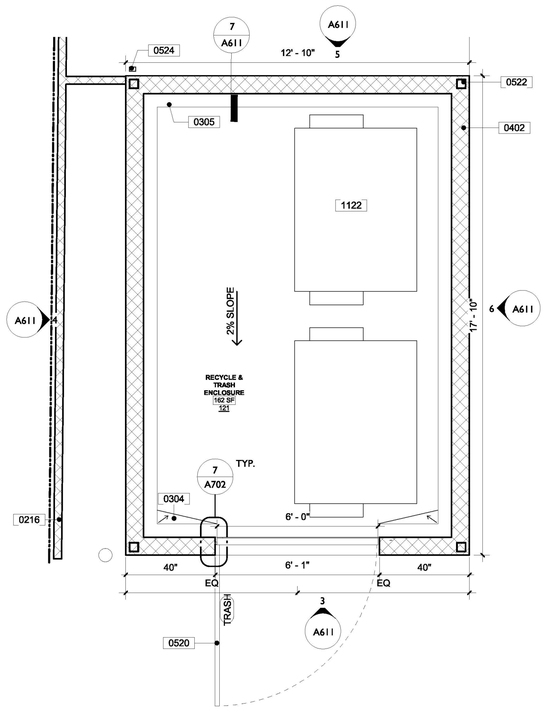
3/8" = 1'-0" TRASH ENCLOSURE SOUTH ELEVATION 3



1/2" = 1'-0" TRASH ENCLOSURE WALL SECTION 7



3/8" = 1'-0" TRASH ENCLOSURE ROOF PLAN 2



3/8" = 1'-0" TRASH ENCLOSURE 1

LADBS APPROVAL STAMP

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OFFICIAL RECORD

KEYNOTES

0216	(E) CHAIN LINK FENCE - PROTECT IN PLACE
0304	SLAB SLOPES 2% TOWARDS DOOR AT CORNERS
0305	6" TALL CURB AT BASE OF CMU EXTENDS INSIDE ENCLOSURE
0402	CMU BLOCK WALL (PAINTED YELLOW - DUNN EDWARDS DE5739)
0520	STEEL GATE
0521	PROVIDE GATE LATCH WITH PADLOCK
0522	4X4 HSS POSTS SUPPORTING ROOF PER STRUCTURAL (PAINTED YELLOW - DUNN EDWARDS DE5739)
0523	3" GUTTER (PAINTED BLUE - DUNN EDWARDS DE5860)
0524	3" DOWNSPOUT (PAINTED BLUE - DUNN EDWARDS DE5860)
0525	STEEL DECKING (PAINTED BLUE - SIMILAR TO DUNN EDWARDS DE5860 - MUST COMPLY WITH CALGREEN FOR COOL ROOFS)
1122	TRASH BINS (PER BUREAU OF SANITATION)
2209	ALL ROOF RUNOFF TO DRAIN TO MAXWELL DRYWELL AND STORM TANK STORAGE - SEE C3.01 AND C3.02

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TRASH ENCLOSURE

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A611

SHEET 0 OF SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date

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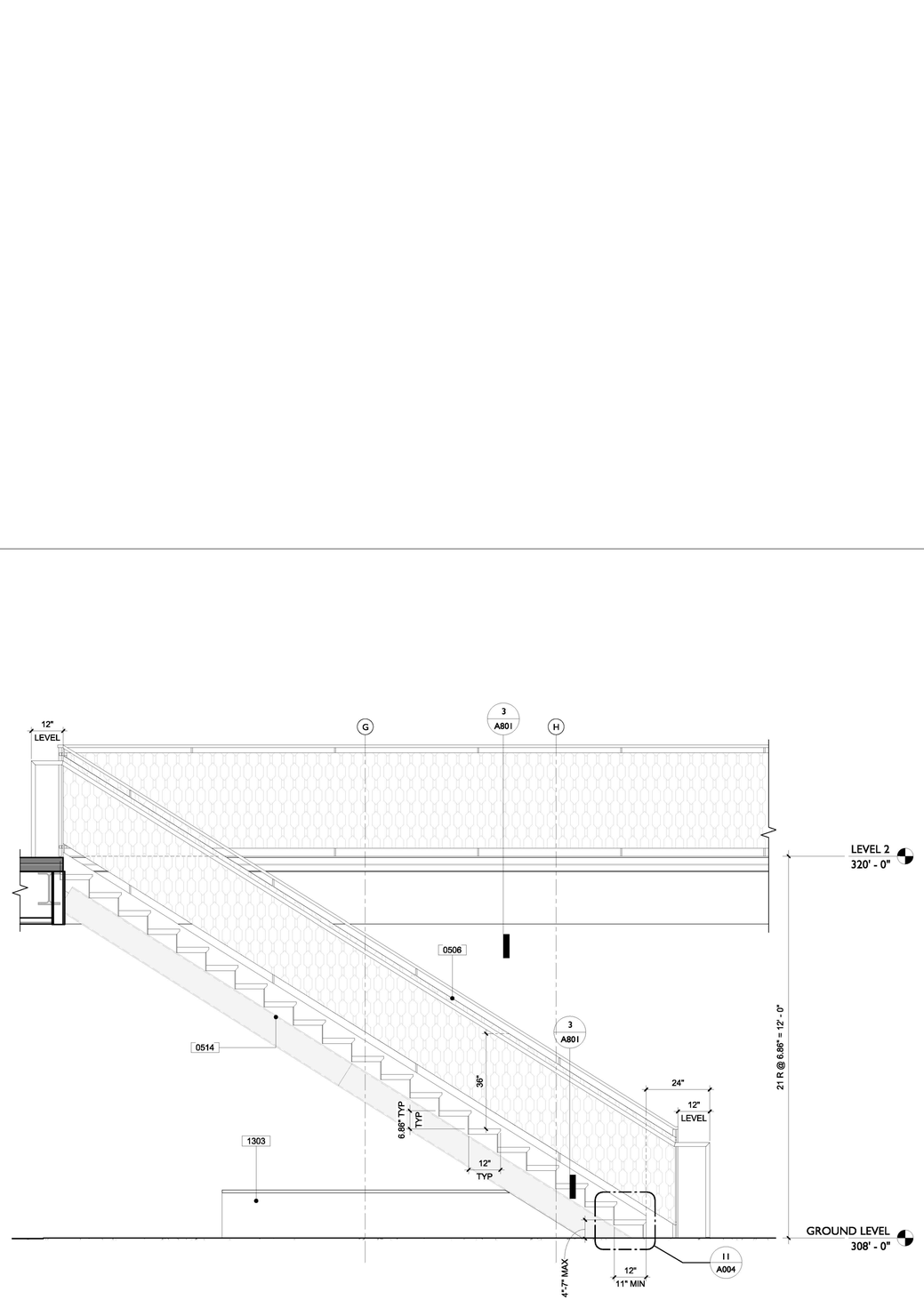
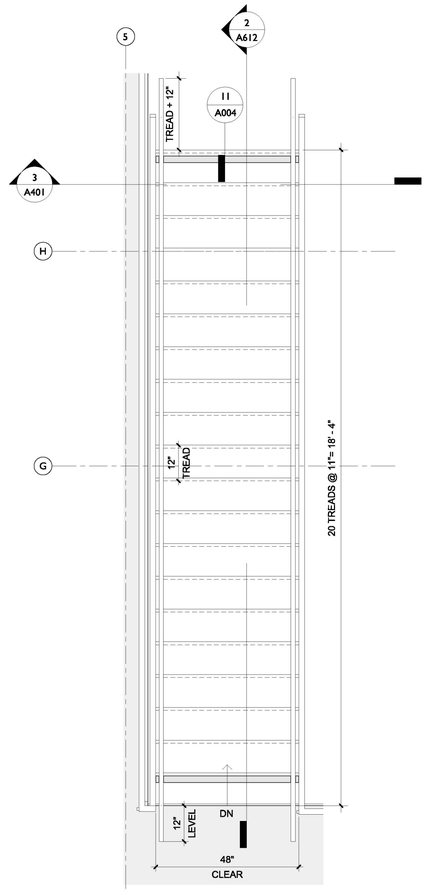
REVISION DATES (DESIGN STAGE ONLY)



1/2" = 1'-0" LOBBY STAIR NS 2



1/2" = 1'-0" INTERIOR STAIR PLAN 1

LADBS APPROVAL STAMP

KEYNOTES

0506	RAILINGS PER STRUCTURAL
0514	INTERIOR STEEL PAN STAIR WITH CONCRETE TREADS
1303	WOOD BENCH UNDER STAIR, PAINTED YELLOW

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

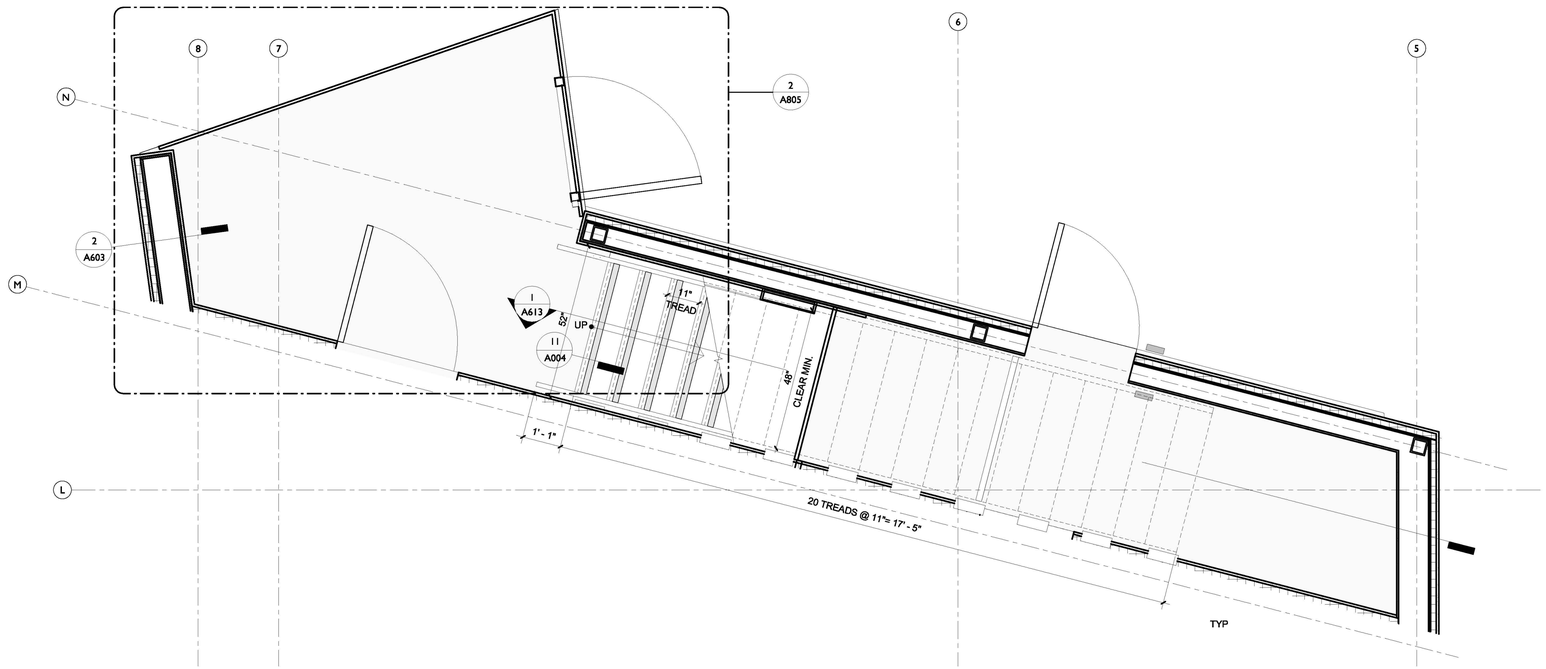
SHEET TITLE: INTERIOR STAIR

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A612
SHEET 0 OF SHEETS

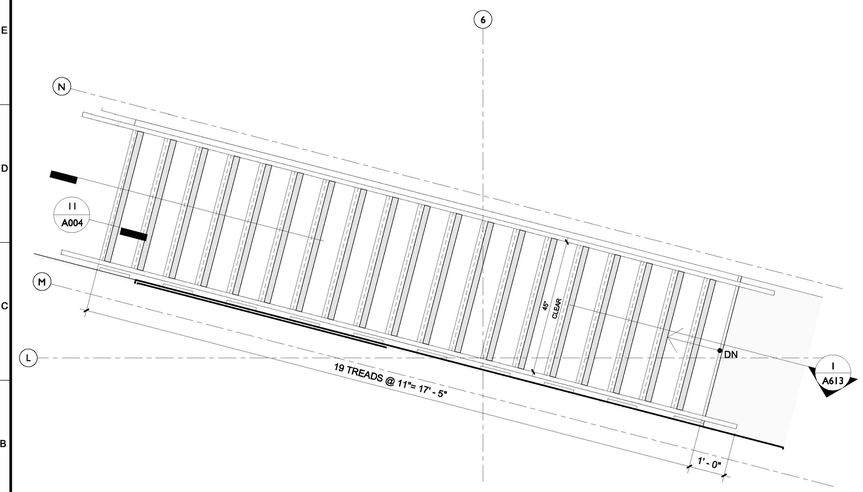
PLOTTED:9/25/2024 2:48:32 PM



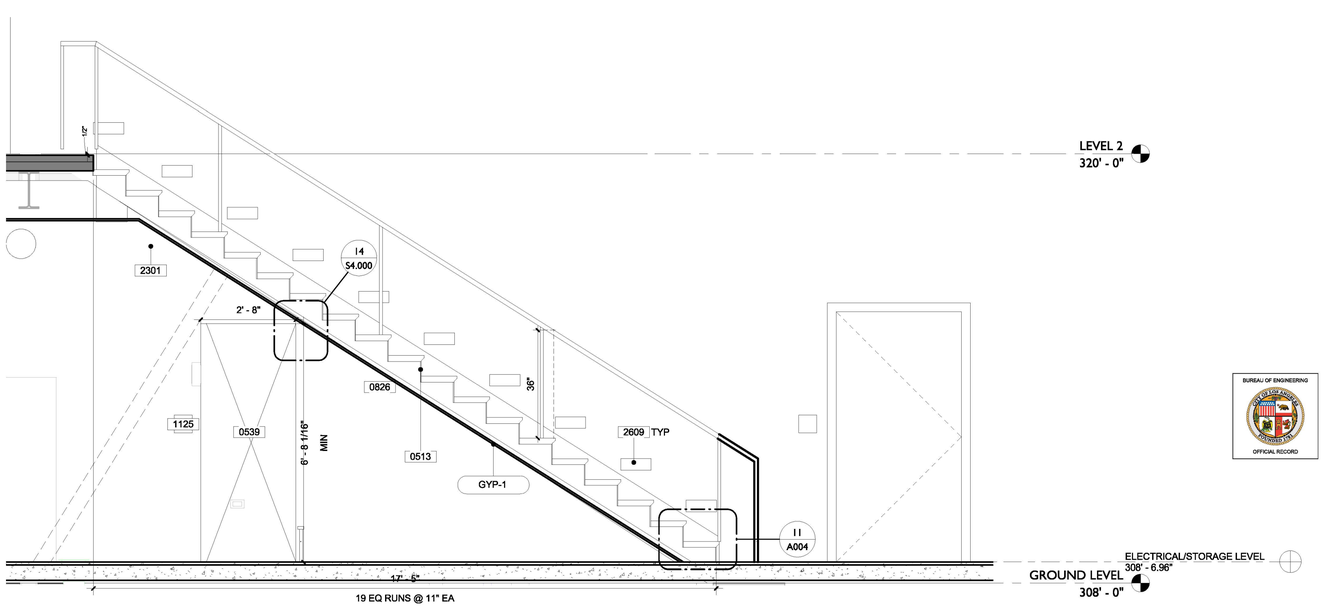
1/2" = 1'-0" EGRESS STAIR GROUND FLOOR 3

KEYNOTES

0513	EXTERIOR STEEL PAN STAIR WITH CONCRETE TREADS
0539	BRACE FRAME BEYOND
0826	WALL OPENING
1125	SIGNAGE, SEE SHEET A005 FOR SIGNAGE DETAILS.
2301	DUCT PER MECHANICAL
2609	RECESSED WALL LIGHT (LIGMAN ULE-40611 OR APPROVED EQUAL)



1/2" = 1'-0" EGRESS STAIR SECOND FLOOR 2



1/2" = 1'-0" EXTERIOR STAIR SECTION 1

LADBS APPROVAL STAMP

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OFFICIAL RECORD

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY ENGINEER
DATE:
LIC. NO.: C12115

TED ALLEN, P.E.
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: EXTERIOR STAIR

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
A613
SHEET 0 OF SHEETS

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SHEET ISSUE DATE: 10/30/20
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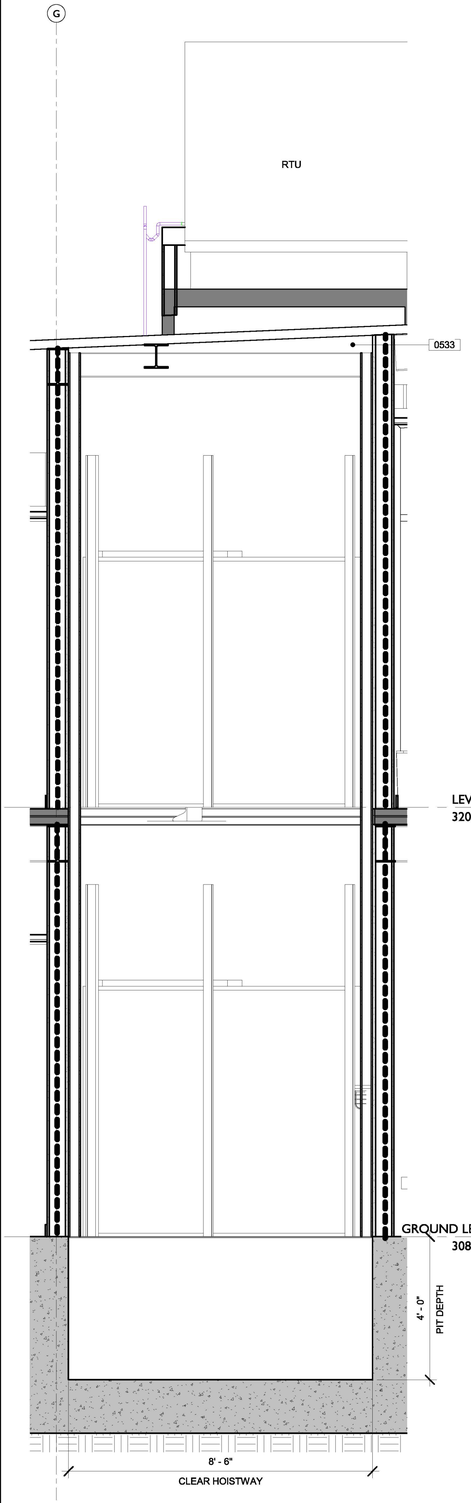
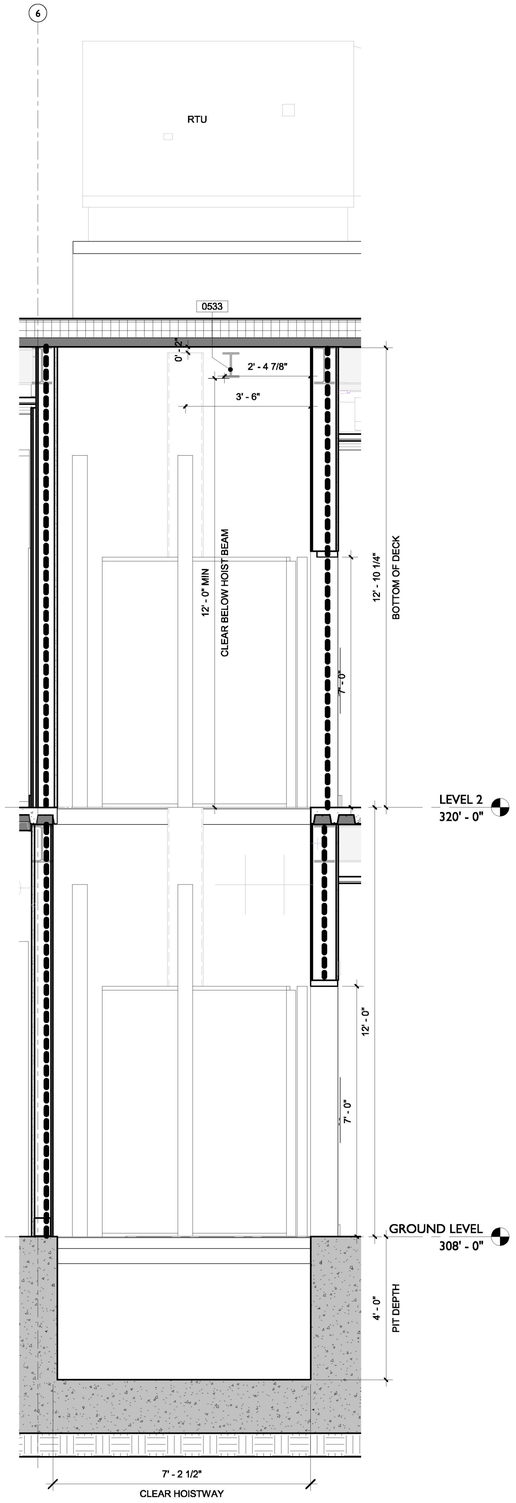
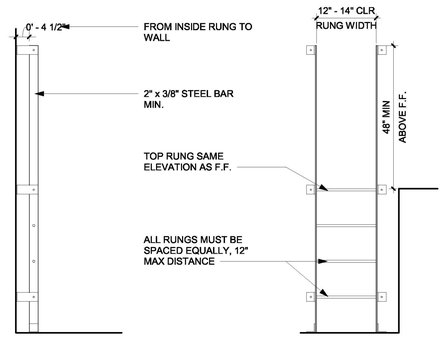


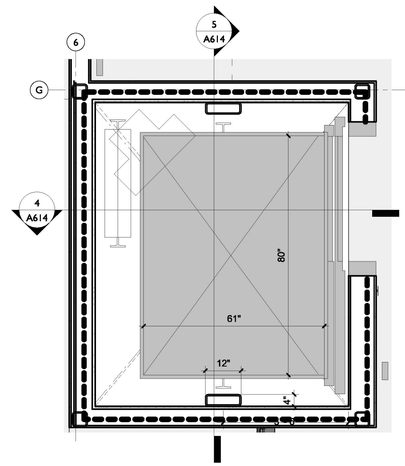
1/2" = 1'-0" N/S SECTION AT ELEVATOR SHAFT **5**



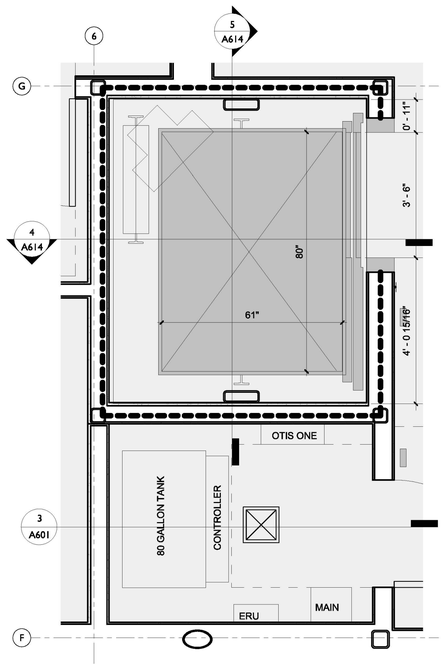
1/2" = 1'-0" E/W SECTION AT ELEVATOR SHAFT **4**



1/2" = 1'-0" ELEVATOR PIT LADDER DETAIL **3**



1/2" = 1'-0" ELEVATOR PLAN - LEVEL 2 **2**



1/2" = 1'-0" ELEVATOR PLAN - GROUND LEVEL **1**

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

0533	HOIST BEAM

KEYNOTES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED ELEVATOR

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A614

SHEET O F SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date

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TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 05/04/23
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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 05/04/23 FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

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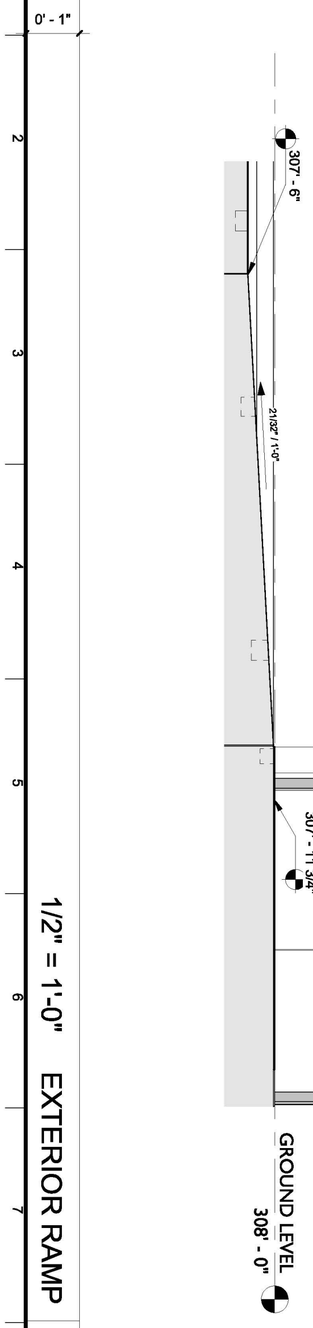
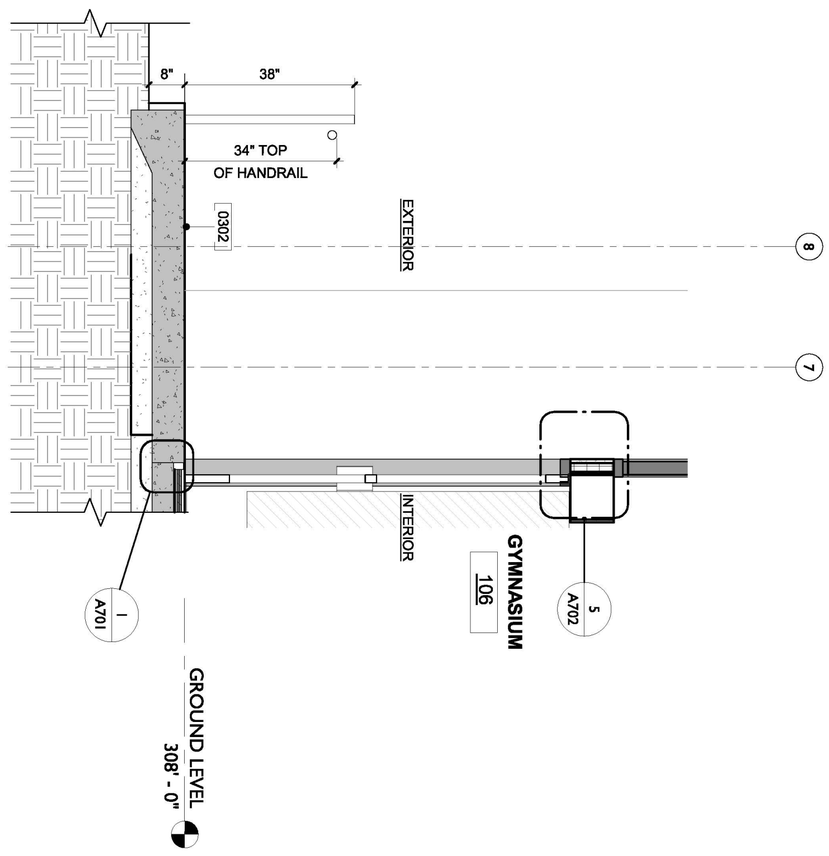
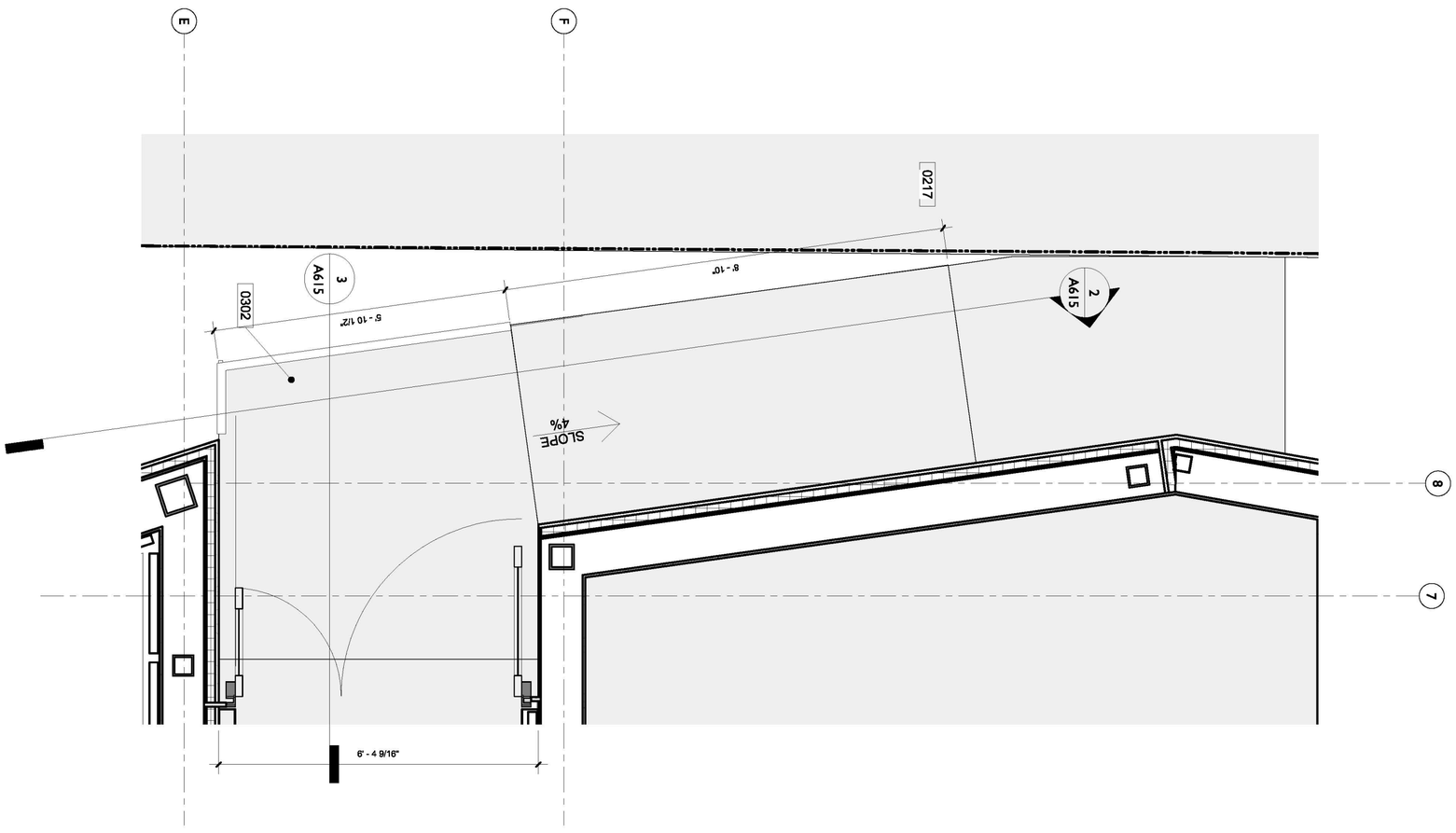


1/2" = 1'-0" EXTERIOR RAMP 2



1/2" = 1'-0" SECTION AT RAMP LANDING AND DOOR THRESHOLD 3



1/2" = 1'-0" ENLARGED RAMP PLAN 1

KEYNOTES

0217	(E) PUBLIC SIDEWALK
0302	SEE 2/C4.01

LADBS APPROVAL STAMP

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

PLOTTED:5/25/2024 2:48:51 PM

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A615
SHEET NO. OF SHEETS

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ENLARGED RAMP
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

DEPARTMENT OF PUBLIC WORKS

TED ALLEN, P.E. CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	
DESIGNED BY: MBL	
DRAWN BY: ARC	
CHECKED BY: STAFF	
APPROVED BY:	

LICENSED ARCHITECT — MICHAEL B LEHRER — C 12115 — Exp. 12.31.23 — STATE OF CALIFORNIA

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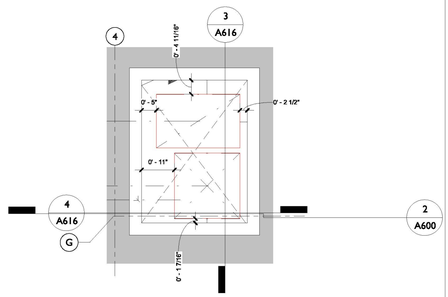
	BID SET		

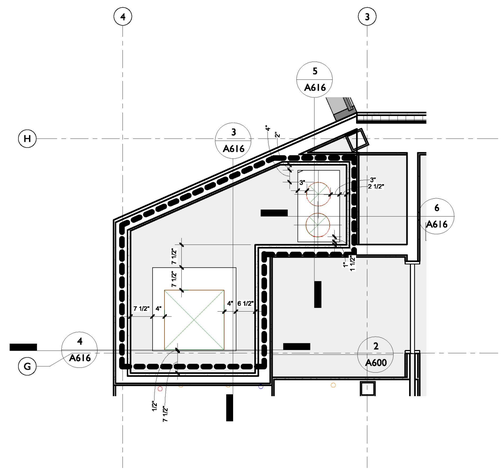
INDEX NO. RP-300126
BUILDING NO. -

ENGINEERING
CITY OF LOS ANGELES

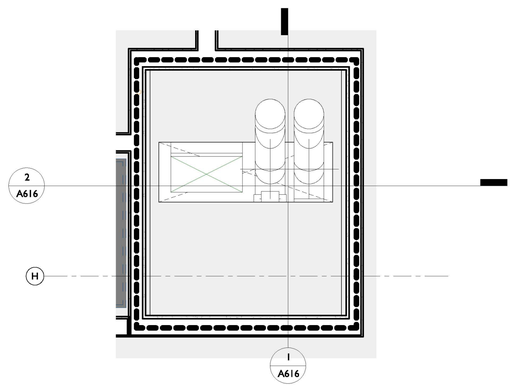
BUREAU OF ENGINEERING OFFICIAL RECORD



1/2" = 1'-0" SHAFT 2 ENLARGED ROOF DECK | 9



1/2" = 1'-0" SHAFT 2&3 - LEVEL 2 PLAN | 8



1/2" = 1'-0" SHAFT 1 - LEVEL 2 PLAN | 7

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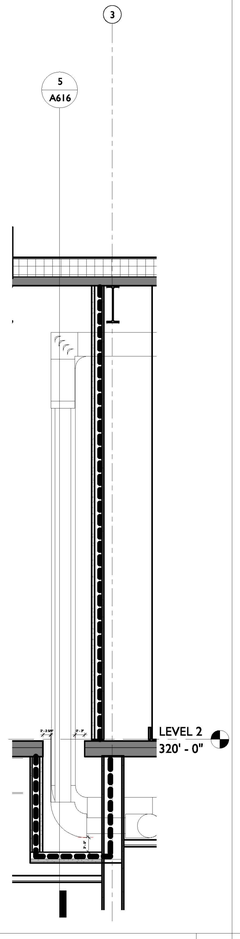
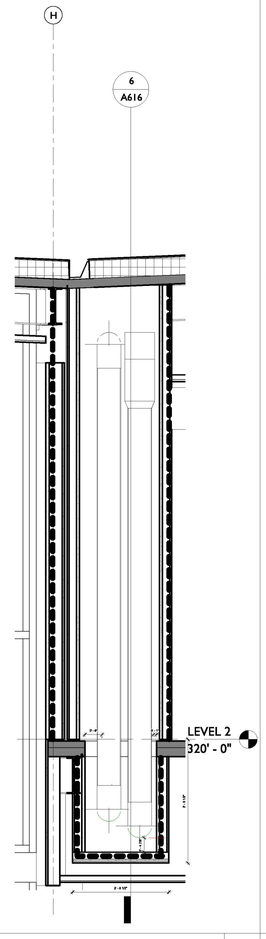
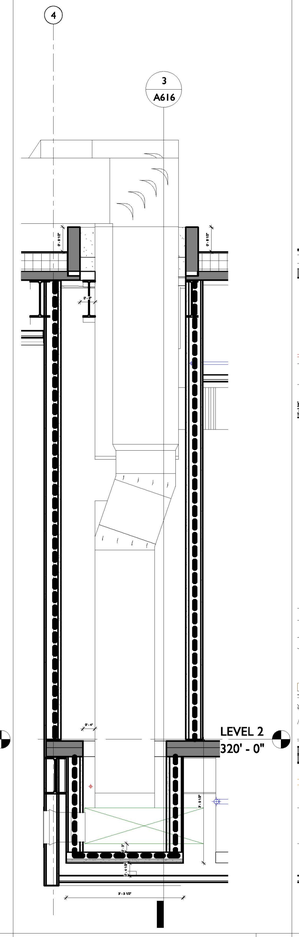


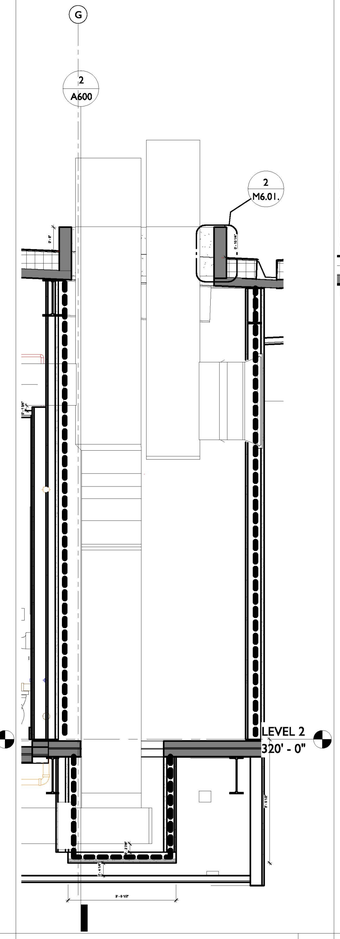
1/2" = 1'-0" SHAFT 3 - E/W | 6



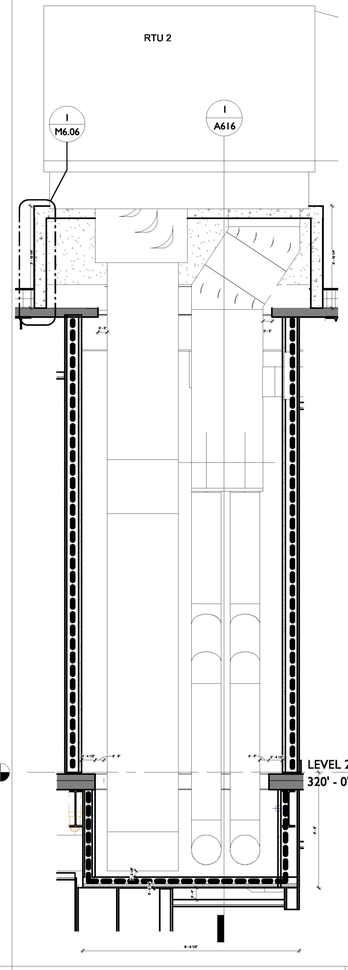
1/2" = 1'-0" SHAFT 3 - N/S | 5



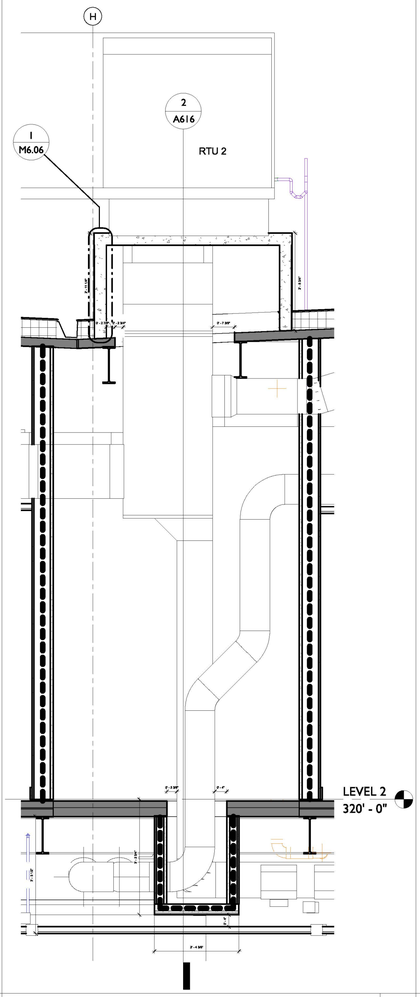
1/2" = 1'-0" SHAFT 2 - E/W | 4



1/2" = 1'-0" SHAFT 2 - N/S | 3



1/2" = 1'-0" SHAFT 1 - E/W | 2



1/2" = 1'-0" SHAFT 1 - N/S | 1

LEGEND

1HR WALL

BUREAU OF ENGINEERING
OFFICIAL RECORD

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 09/01/23
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BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SHAFT SECTIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A616

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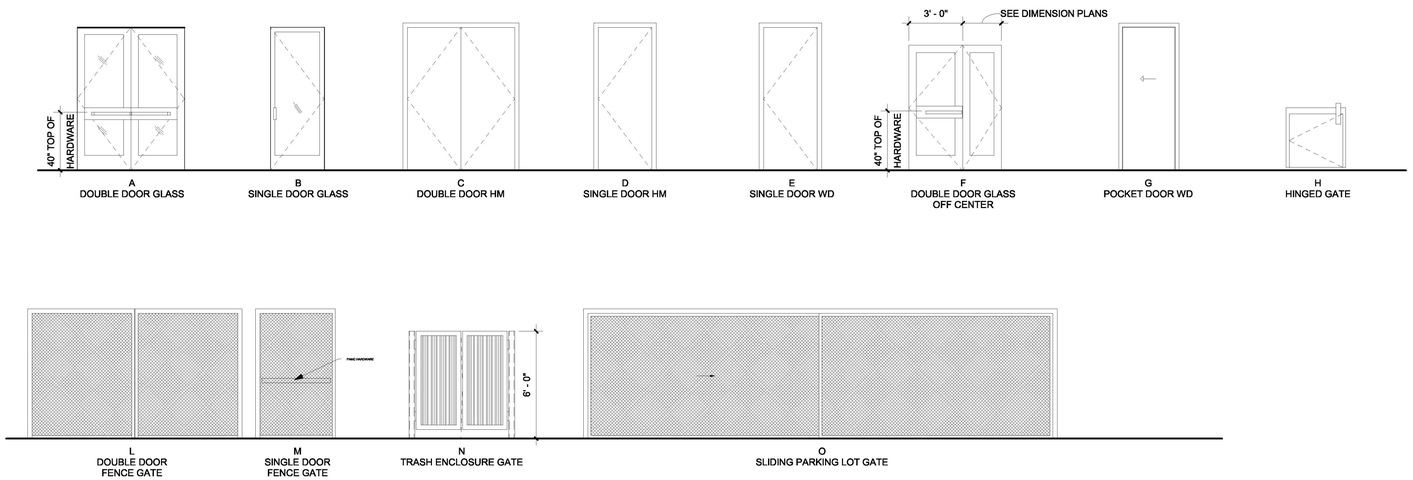
DOOR TYPES SCHEDULE



DOOR SCHEDULE

D	FUNCTION	DOOR TYPE	HARDWARE SET	WIDTH	HEIGHT	DOOR MATERIAL	FRAME MATERIAL	HEAD DETAIL	JAMB DETAIL	THRESHOLD DETAIL	Level
100A	Interior	A	01	6' - 0"	8' - 0"	Aluminum / Glass	Hollow Metal	7/A701 SIM.	2/A701 SIM.	1/A701	GROUND LEVEL
100B	Interior	A	09	6' - 0"	7' - 0"	Aluminum / Glass	Aluminum	7/A701 SIM.	2/A701 SIM.	19/A701	GROUND LEVEL
101A	Interior	H	27	3' - 0"	3' - 6"	Wood	Hollow Metal				GROUND LEVEL
102A	Interior	E	21	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
103A	Interior	E	18	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
104A	Interior	E	17	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
105A	Interior	E	17	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
106A	Interior	F	06	5' - 8 9/16"	7' - 1 3/4"	Aluminum / Glass	Aluminum	7/A701	2/A701	1/A701	GROUND LEVEL
106B	Interior	F	06	5' - 8 11/16"	7' - 1 1/2"	Aluminum / Glass	Aluminum	7/A701	2/A701	1/A701	GROUND LEVEL
107A	Interior	E	16	3' - 0"	8' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
108A	Interior	E	13	3' - 0"	8' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
109A	Interior	C	05	6' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
110A	Interior	E	23	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
111A	Interior	E	23	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
112A	Interior	E	15	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
113A	Exterior	D	08	3' - 0"	7' - 0"	Hollow Metal	Hollow Metal	8/A701	12/A701	1/A701	GROUND LEVEL
114A	Interior	D	15	3' - 6"	7' - 0"	Hollow Metal	Hollow Metal	16/A701 SIM.	16/A701	19/A701	GROUND LEVEL
115A	Exterior	D	02	3' - 6"	7' - 0"	Hollow Metal	Hollow Metal	8/A701	2/A701 SIM.	19/A701 SIM.	GROUND LEVEL
115B	Exterior	M	03	3' - 6"	7' - 10"	Hollow Metal	Hollow Metal		7/A805 & 8/A805		GROUND LEVEL
116A	Exterior	D	04	3' - 0"	7' - 0"	Hollow Metal	Hollow Metal	8/A701	12/A701	19/A701 SIM.	GROUND LEVEL
117A	Exterior	D	07	3' - 0"	7' - 0"	Hollow Metal	Hollow Metal	8/A701	12/A701	1/A701	GROUND LEVEL
200A	Interior	E	20	3' - 0"	8' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	LEVEL 2
200B	Interior	G	24	2' - 6"	8' - 0"	Wood	Hollow Metal	15/A701	10/A70 & 14/A701		LEVEL 2
201A	Interior	E	20	3' - 0"	8' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	LEVEL 2
202A	Interior	E	22	3' - 0"	8' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	LEVEL 2
203A	Interior	B	12	3' - 0"	8' - 0"	Aluminum / Glass	Aluminum	7/A701 SIM.	2/A701 SIM.	19/A701	LEVEL 2
203B	Interior	E	19	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	LEVEL 2
204A	Interior	E	10	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	19/A701	LEVEL 2
204B	Interior	G	24	3' - 0"	7' - 0"	Wood	Hollow Metal	15/A701	10/A70 & 14/A701		LEVEL 2
205A	Interior	E	11	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	16/A701	LEVEL 2
205B	Interior	E	18	3' - 0"	8' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	16/A701	LEVEL 2
206A	Interior	E	14	2' - 8"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	16/A701	LEVEL 2
207A	Interior	E	21	3' - 0"	7' - 0"	Wood	Hollow Metal	16/A701 SIM.	16/A701	16/A701	LEVEL 2
208A	Exterior	B	12	3' - 0"	8' - 0"	Aluminum / Glass	Aluminum	7/A701	2/A701	19/A701 SIM.	LEVEL 2
SITE1	Exterior	L	25	12' - 0"	8' - 0"	Hollow Metal	Hollow Metal		1/a808		GROUND LEVEL
SITE2	Exterior	M	26	4' - 6"	8' - 0"	Hollow Metal	Hollow Metal		4/A808		GROUND LEVEL
TRASH	Exterior	N	25	6' - 0"	7' - 0"	Hollow Metal	Hollow Metal		7/A702		GROUND LEVEL

NOTE:
HARDWARE, OPENING FORCE SHALL BE 5 POUNDS MAXIMUM PER CBC 11B-404.2.9
SEE SPECIFICATIONS FOR HARDWARE SETS

EXTERIOR DOORS

EXTERIOR DOORS AND FRAMES SHALL BE HOLLOW METAL, 16 GAUGE ELECTRO-GALVANIZED BONDERIZED STEEL, 1-1/4-INCH THICK COMPOSITE CONSTRUCTION
WITH NO SEAMS OR SPOT WELDS ON DOOR FACE. SPECIFY DOORS WHICH INCLUDE REINFORCEMENT, STIFFENERS, SOUND DEADENING MATERIAL AND INSULATION.
DOORS SHOULD BE STANDARD 3'-0" X 7'-0" X 1-3/4" WHERE POSSIBLE. EXCLUDE EXTERIOR DOOR HANDLES EXCEPT AT MAIN ENTRY DOOR(S).
TYPICAL HARDWARE SHALL INCLUDE VANDAL-RESISTANT TUBULAR TYPE LOCKS WITH DEADBOLT AND ANTI-PICK PLATE. HINGES SHALL BE STAINLESS STEEL FULL LENGTH PIANO TYPE WITH NON-REMOVABLE PINS

SERVICE DOORS

SHALL BE HOLLOW METAL DOORS AND FRAMES. PROVIDED WITH STANDARD VANDAL-RESISTANTTUBULAR TYPE LOCKSETS WITH DEADBOLTS AND FULL LENGTH ANTI-PICKPLATES. STAINLESS STEEL FULL LENGTH PIANO TYPE HINGES SHALL BE TYPICAL FOR ALL DOORS. AVOID THE USE OF REMOVABLE OR FIXED MULLIONS. INCLUDE HEAVY DUTY DOOR BUMPER STOPS, WEATHERSTRIPPING, KICK PLATES, LOCKING CHANNELS WHERE APPROPRIATE AND RAIN GUARDS OR DIVERTERS FOR THE TOPS AND BOTTOMS WHERE POSSIBLE

INTERIOR DOORS

ALL INTERIOR DOORS EXCEPT AS INDICATED BELOW, SHALL BE STANDARD 3'-0" X 7'-0" X 1-3/4" THICK SOLID CORE WOOD OR HOLLOW METAL. DOORS SHALL BE OF A TYPE AND SIZE THAT IS OFF-THE-SHELF AND READILY AVAILABLE FOR REPLACEMENT. FOR THIS PURPOSE, OTHER STANDARD HEIGHTS WILL ALSO BE ACCEPTABLE. SOME INTERIOR DOORS ARE NOTED AS 7'-8", WHICH MAY NOT BE A STANDARD SIZE. PLEASE CONFIRM IF THIS SIZE IS NECESSARY. IF NOT REPLACE WITH STANDARD SIZE.
DOOR TO GOLD ROOM SHALL BE 16-GAUGE HOLLOW METAL ONLY WITH HOLLOW METAL FRAMES. AT GOLD ROOM PROVIDE A HEAVY DUTY SLIDE BOLT AND PADLOCK DEVICE. DOORS FOR SECURITY PURPOSES SHALL BE RIGHT OR LEFT HAND REVERSE (INWARD SWINGING) AND SHOULD NOT CONTAIN ANY GLAZED OPENINGS

LOCKING SYSTEM

LOCKING SYSTEM FOR ALL DOORS SHALL BE SPECIFIED WITH REMOVABLE 7-PIN INTERCHANGEABLE CORES AND MASTER KEYED TO THE DEPARTMENT'S SECURITY LOCKING SYSTEM. CONSTRUCTION CORES ARE ROUTINELY REMOVED UPON COMPLETION OF CONSTRUCTION AND NEW CORES OR CYLINDERS INSTALLED BY THE DEPARTMENT LOCKSMITH AS PART OF THE MASTER KEYED SECURITY SYSTEM.

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 02/25/14
FILE PATH: BIM 360://Hollywood Rec Center/1919 HRC.rvt

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DOOR SCHEDULE AND DOOR TYPES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A700
SHEET OF SHEETS

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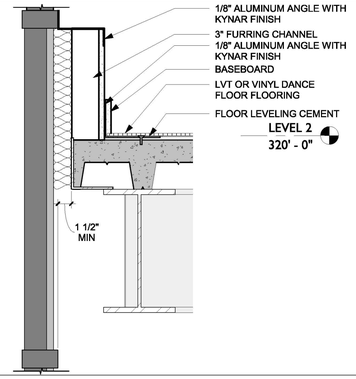
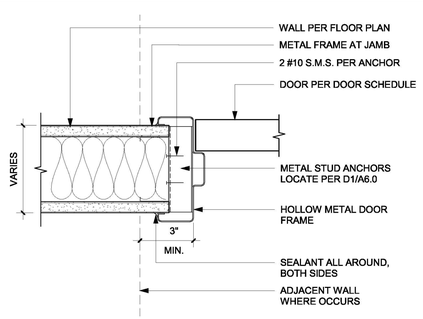
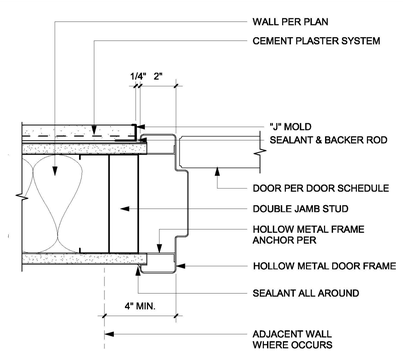


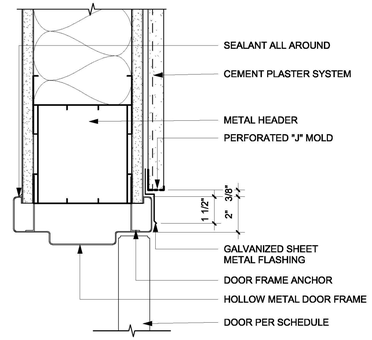
1 1/2" = 1'-0" SPANDREL @ EDGE OF SLAB 20



3" = 1'-0" INT. HM DOOR JAMB 16



3" = 1'-0" EXTERIOR HM DOOR JAMB 12



3" = 1'-0" EXTERIOR HM DOOR HEAD 8

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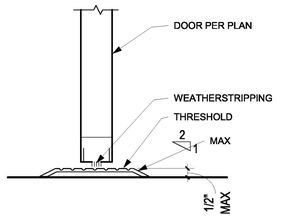
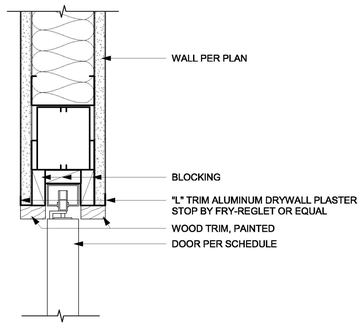


3" = 1'-0" INTERIOR DOOR THRESHOLD 19



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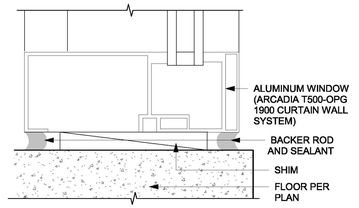
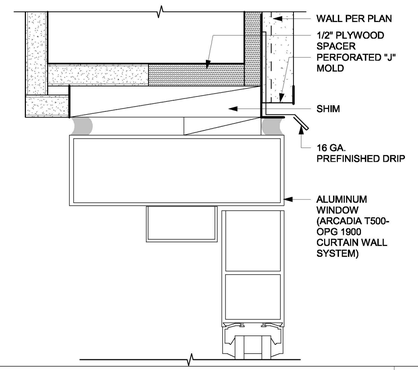


6" = 1'-0" STOREFRONT SILL @ GROUND 11



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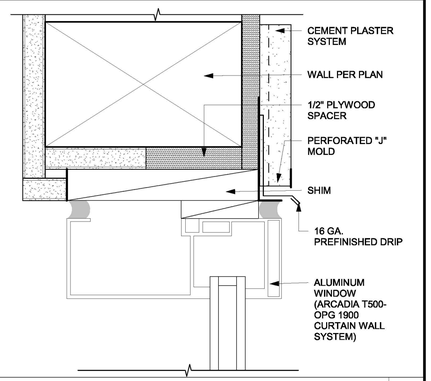

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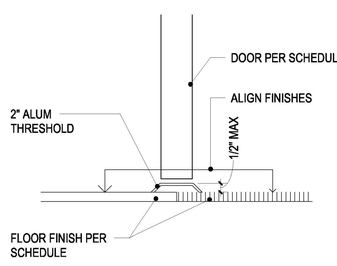
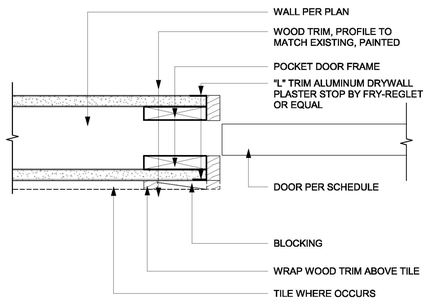


3" = 1'-0" MATERIAL TRANSITION 18



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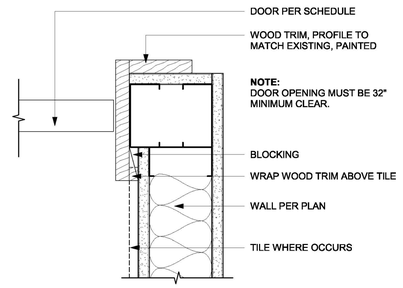

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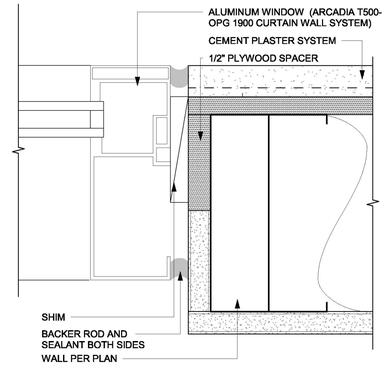

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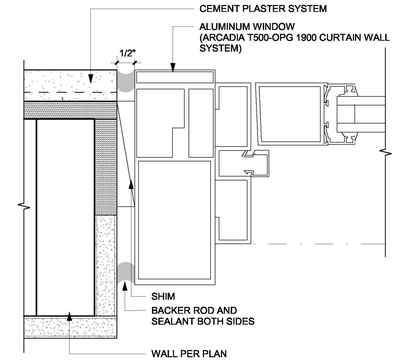
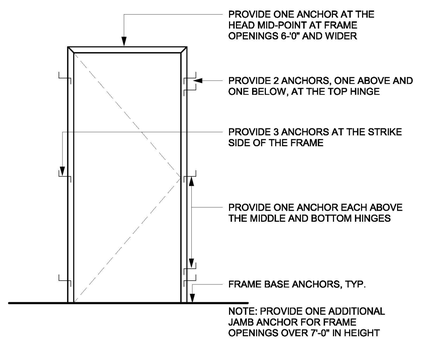
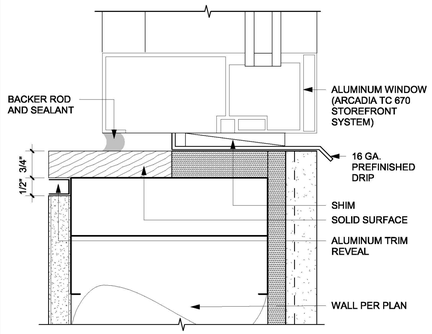


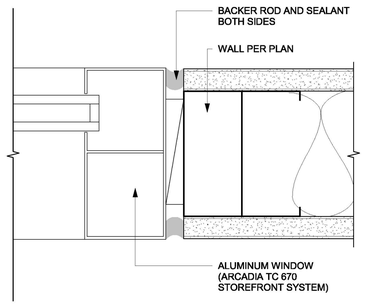
6" = 1'-0" STOREFRONT DOOR JAMB 2



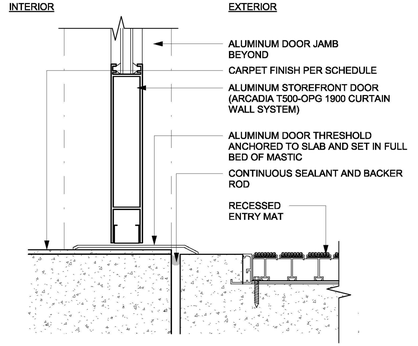
1/2" = 1'-0" DOOR FRAME ANCHORS 17



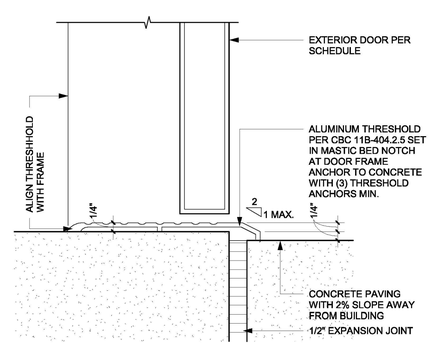
6" = 1'-0" STOREFRONT SILL AT WALL 13



6" = 1'-0" INT. SF JAMB AND HEAD 9



3" = 1'-0" WALK OFF MAT 5



6" = 1'-0" EXTERIOR DOOR THRESHOLD 1

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ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY OF LOS ANGELES
TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DOOR AND WINDOW DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A701

SHEET O F SHEETS

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SHEET ISSUE DATE: 08/17/21
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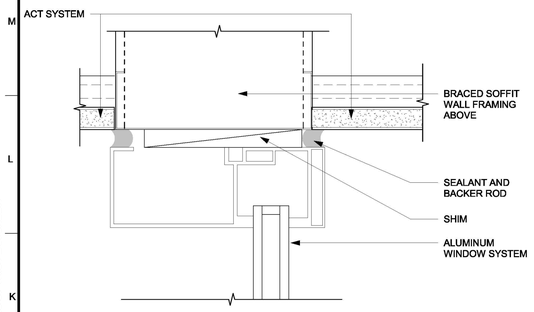
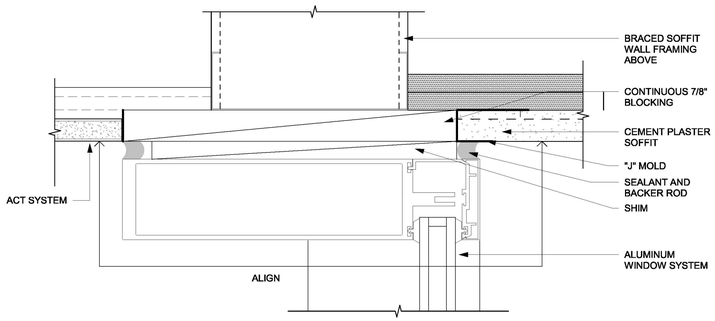
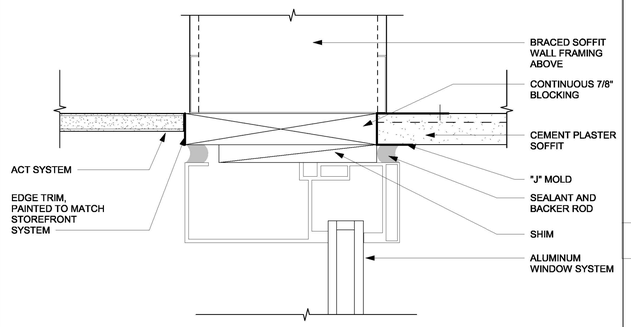


6" = 1'-0" STOREFRONT HEAD AT CEILING 9



6" = 1'-0" CURTAIN WALL HEAD AT CEILING/ROOF ABOVE 6



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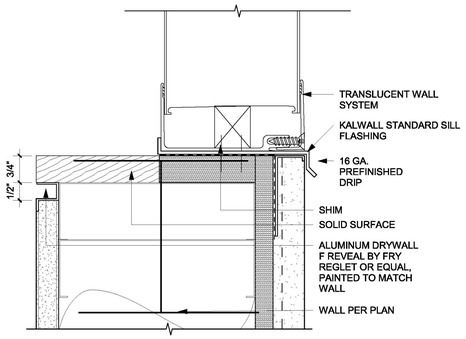
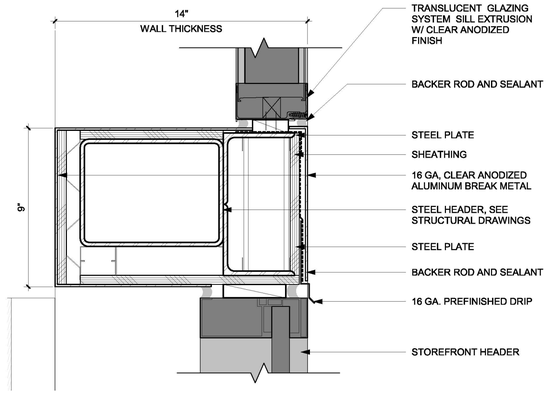
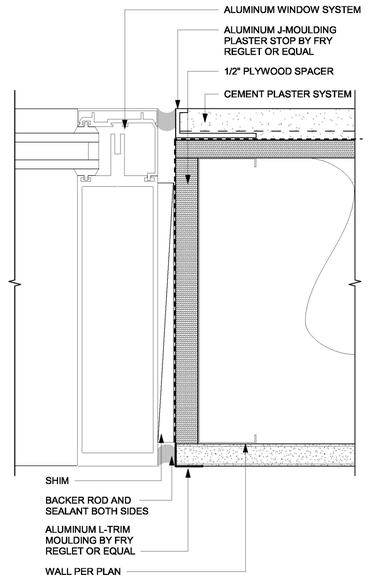
LADBS APPROVAL STAMP



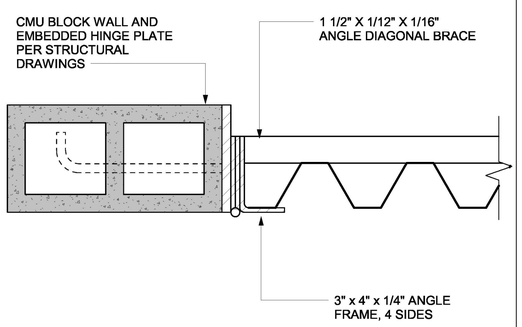
6" = 1'-0" KALWALL SILL AT LOW WALL 8



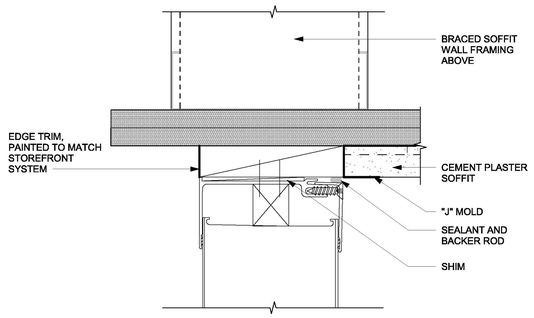
3" = 1'-0" KALWALL & STOREFRONT HEADER DETAIL 5



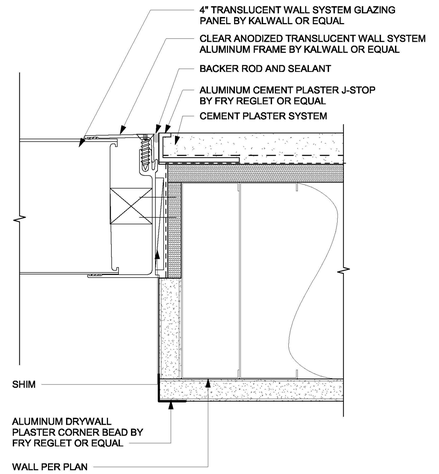
6" = 1'-0" TYPICAL CURTAIN WALL JAMB 2



3" = 1'-0" CMU BLOCK & GATE DETAIL 7



6" = 1'-0" TYPICAL KALWALL HEAD AT CEILING/ROOF ABOVE 4



6" = 1'-0" KALWALL JAMB 1

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CITY OF LOS ANGELES

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	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
Cal 12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY ENGINEER
DATE:
Issue Date
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TED ALLEN, P.E.
LIC. NO.: C12115
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DOOR AND WINDOW DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A702
SHEET 0 OF SHEETS

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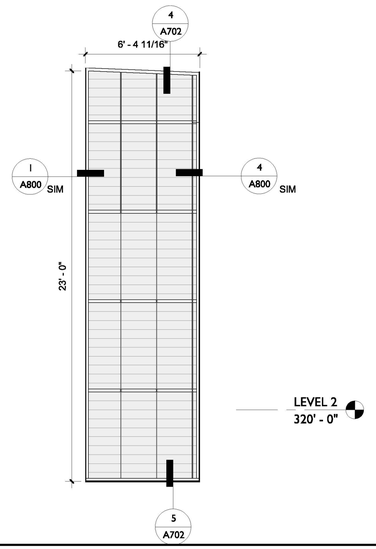
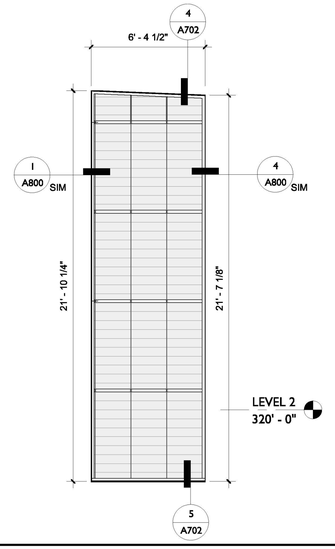
REVISION DATES (DESIGN STAGE ONLY)



1/4" = 1'-0" WINDOW 2G 16



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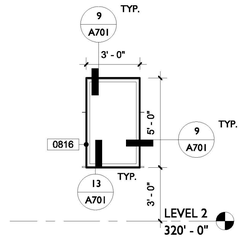
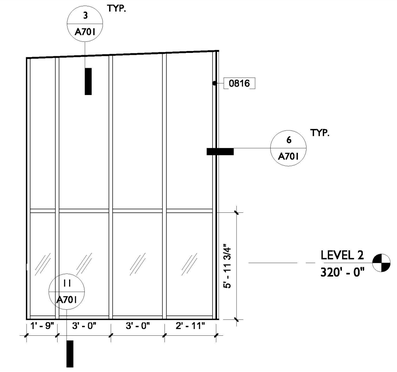


1/4" = 1'-0" WINDOW 2D 8



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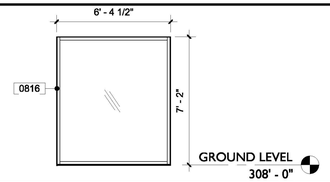
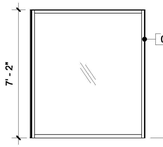


1/4" = 1'-0" WINDOW 1G 15



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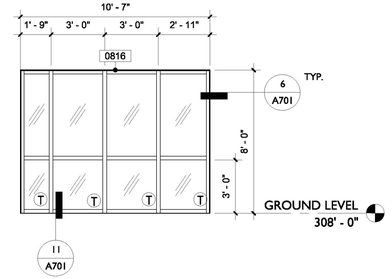
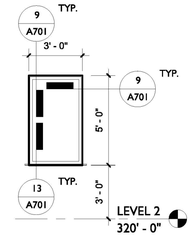


1/4" = 1'-0" WINDOW 1B 3



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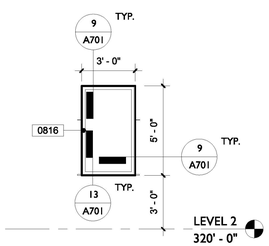

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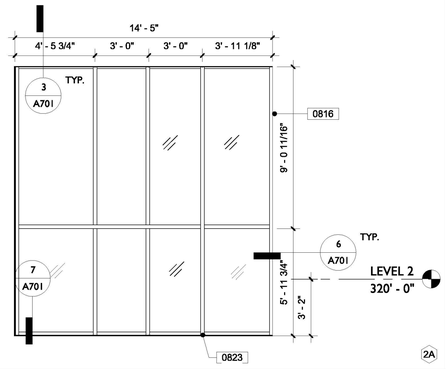

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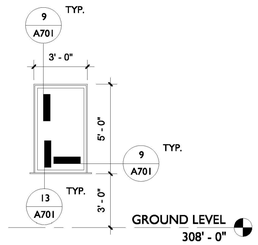

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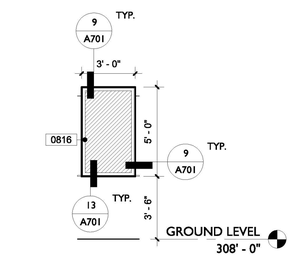

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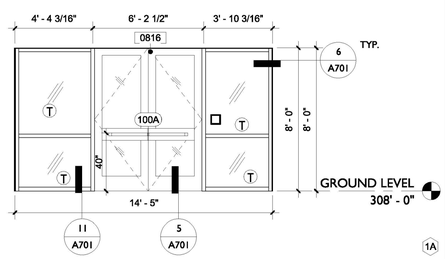

1/4" = 1'-0" WINDOW 1A 1

0816	ARCADIA T500-OPG 1900 CURTAIN WALL SYSTEM, SEE WINDOW SCHEDULE
0823	ALIGN MULLIONS WITH SYSTEM BELOW

KEYNOTES

- GL-01 FROSTED GLASS
- GL-02 MECHANICAL LOUVER
- GL-03 LOW-E COATED DOUBLE GLAZING
- KALWALL TRANSLUCENT PANEL
- KALWALL SPANDREL PANEL
- T TEMPERED GLASS

LEGEND

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING

ENGINEERING

CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

TED ALLEN, P.E.
CITY ENGINEER

DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

BUREAU OF ENGINEERING
OFFICIAL RECORD

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: WINDOW SCHEDULE

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A703

SHEET 0 OF SHEETS

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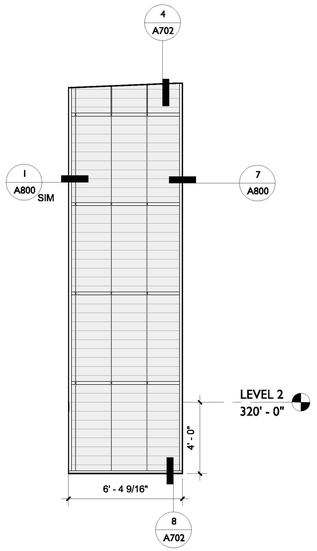
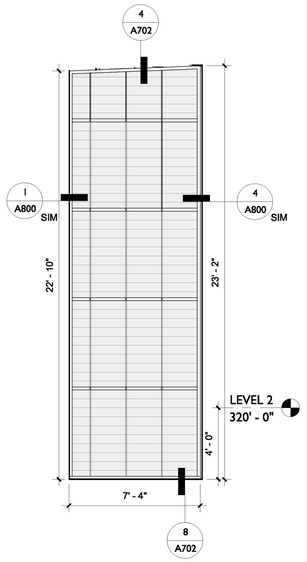
REVISION DATES (DESIGN STAGE ONLY)



1/4" = 1'-0" WINDOW 2O 12



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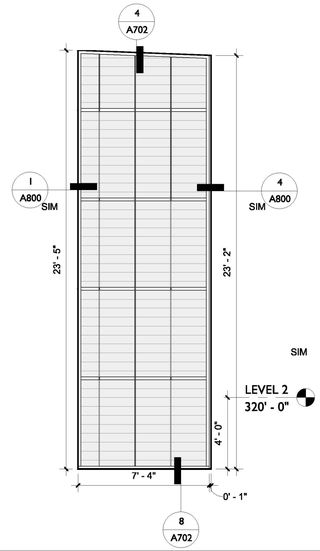

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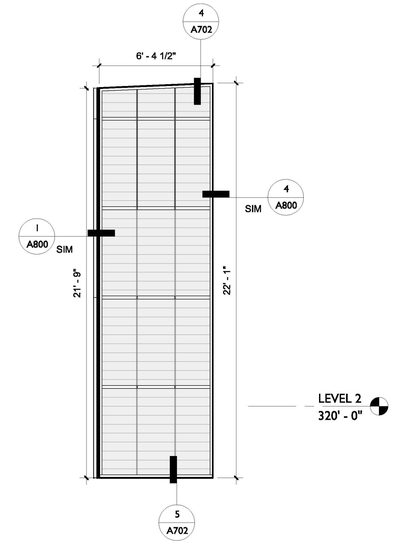
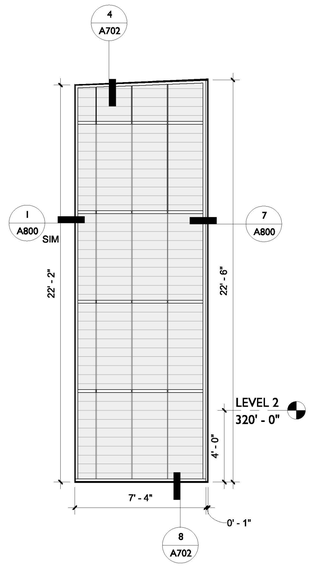
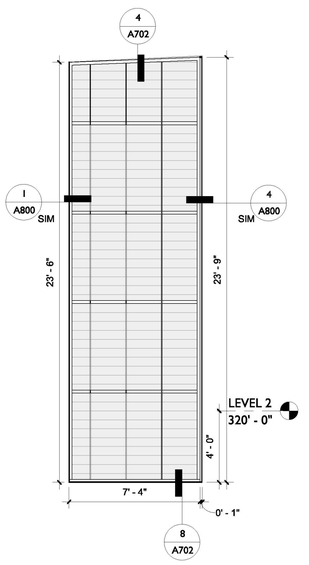


1/4" = 1'-0" WINDOW 2I 3



1/4" = 1'-0" WINDOW 2N 11



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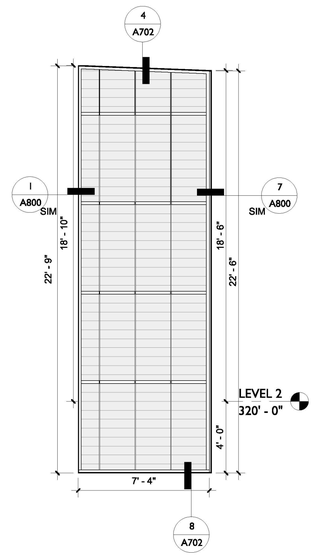

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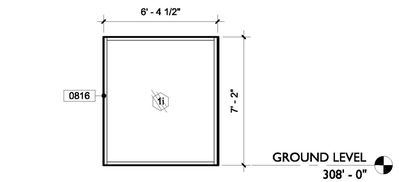

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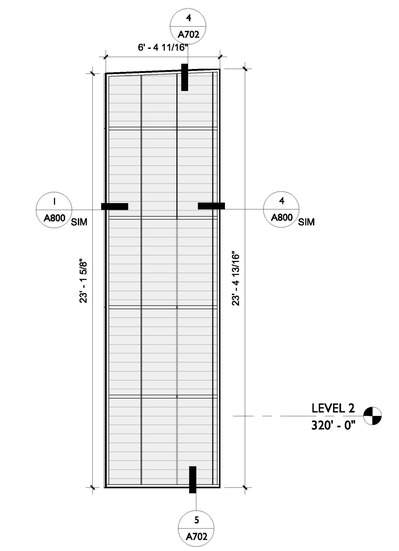

1/4" = 1'-0" WINDOW 2H 1

LADBS APPROVAL STAMP

LEGEND

- GL-01 FROSTED GLASS
- GL-02 MECHANICAL LOUVER
- GL-03 LOW-E COATED DOUBLE GLAZING
- KALWALL TRANSLUCENT PANEL
- KALWALL SPANDREL PANEL
- T TEMPERED GLASS

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BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: WINDOW SCHEDULE

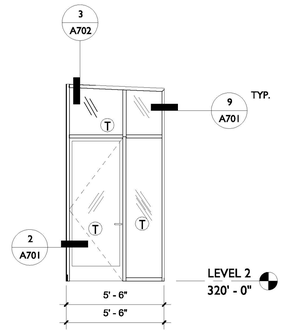
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A704
SHEET O F SHEETS

PLOTTED:6/25/2024 2:49:28 PM



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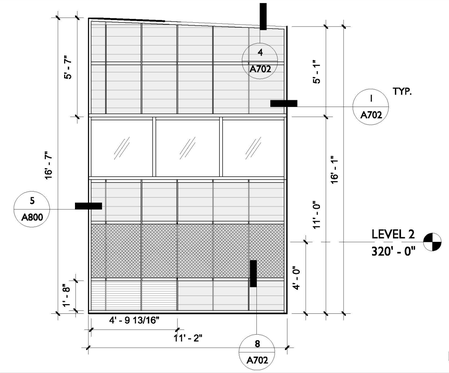
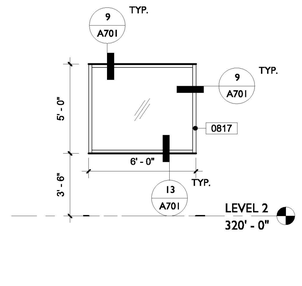


WINDOW 2S **4**



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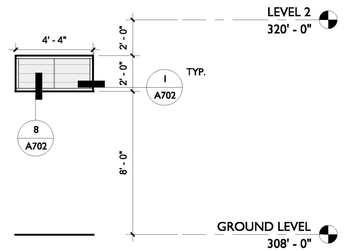
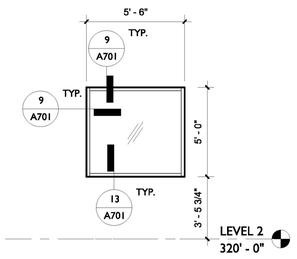


WINDOW 2R **3**

LADBS APPROVAL STAMP



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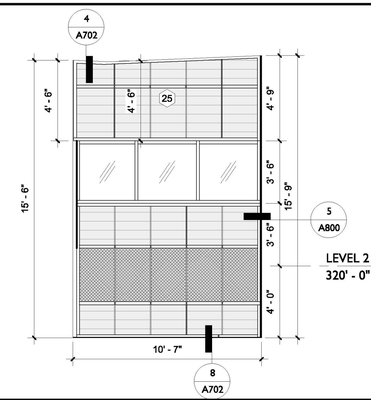
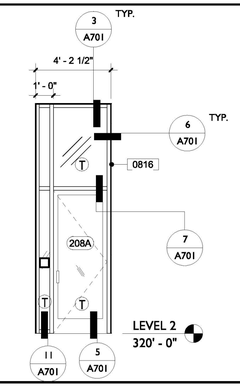


WINDOW 2Q **2**



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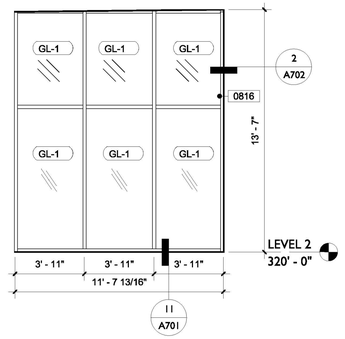

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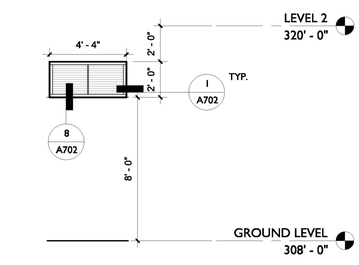

LOUVER (WINDOW) 2P **1**

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
OFFICIAL RECORD

GL-01	FROSTED GLASS
GL-02	MECHANICAL LOUVER
GL-03	LOW-E COATED DOUBLE GLAZING
	KALWALL TRANSLUCENT PANEL
	KALWALL SPANDREL PANEL
T	TEMPERED GLASS

LEGEND

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BUILDING NO. -

INDEX NO. **RP-300126**

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C12115
Exp. 12.31.23
STATE OF CALIFORNIA

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CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: WINDOW SCHEDULE

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. **A705**

SHEET 0 OF SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date

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FINISH SCHEDULE

Mark	Description	Manufacturer	Size	Collection	Color	Number	Pattern	Notes	Location	Installation
ACT-1	Acoustic Ceiling Tiles	Armstrong	24" x 48"	Optima or Ultima (LEED)	White		Pre RCP	2" Thickness	Community Wing	Suspension System
B-1	Baseboard		4" H	Traditional Vinyl	White				Community Wing	
B-2	Baseboard, Gym	Johnsonite	L-Shaped 4" x 4"	Vent Cove	Black				Gym	Per Manufacturer
BR-1	Bar Grating	MOZ Designs		Laser Cut Aluminum	Dark Blue/Polycoat Matte				Exterior to Lobby	Finish Floor, per manufacturer
CL-1	Chain Link	Swan Fence, Inc.	11 GA Core, 8 GA Finish, Extruded Bonded, 1" Mini Mesh	Wire Mesh, Intercrimp Weave	White				Exterior	
CL-2	Chain Link	Swan Fence, Inc.	11 GA Core, 8 GA Finish, Extruded Bonded, 1" Mini Mesh	Wire Mesh, Intercrimp Weave	Orange				Exterior	
CL-3	Chain Link	Swan Fence, Inc.	11 GA Core, 8 GA Finish, Extruded Bonded, 1" Mini Mesh	Wire Mesh, Intercrimp Weave	Yellow				Exterior	
CL-4	Chain Link	Swan Fence, Inc.	11 GA Core, 8 GA Finish, Extruded Bonded, 1" Mini Mesh	Wire Mesh, Intercrimp Weave	Blue				Exterior	
CN-1	Concrete				Clear Sealer				Community Wing	
E-1	Resinous Epoxy Flooring	Tnemec			White				Restrooms	
E-2	Epoxy Paint	Tnemec			White				Restrooms	
E-3	Resinous Epoxy Flooring Wall Base	Tnemec			White				Restrooms	
E-4	Resinous Epoxy Flooring	Tnemec			Turquoise				Restrooms	
E-5	Epoxy Paint	Tnemec			Turquoise				Restrooms	
E-6	Resinous Epoxy Flooring Wall Base	Tnemec			Turquoise					
GL-1	1" IG Solarban 60	Vitra	1"	Solarban 60	Clear			Low e-film on surface #2	Per Elevations	
GL-2	1" IG Solarban 60 Translucent	Vitra	1"	Solarban 60	Translucent 42%			Per Manufacturer	Per Elevations	
GL-5	Crystal Translucent Panel	Kalwall	4"	K100	Clear			5'H Horizontal Frame	Per Elevations	Horizontal 5' frame
GL-6	White Spandrel	Kalwall	4"	K100	White - Opaque			5'H Horizontal Frame	Per Elevations	Horizontal 5' frame
GL-7	Mechanical Louvers	Kalwall	4"	Drainable Louver	White		Individual Plans per Mechanical	4'2" W x 2' H	Per Elevations	Within Frame
LVT-1	Luxury Vinyl Tile	Armstrong	6" x 36" x .1"	Mixer 2	Pineapple Juice		Slight Swirl		Community Wing Level 1	
LVT-2	Luxury Vinyl Tile	Armstrong	6" x 36" x .1"	Mixer 2	Orange Soda		Slight Swirl		Community Wing Level 1	
LVT-3	Luxury Vinyl Tile	Armstrong	6" x 36" x .1"	Exchange Static	Blue Screen ~~Blue Scream~~		Slight Swirl		Community Wing Level 2	
LVT-4	Luxury Vinyl Tile	Armstrong	6" x 36" x .1"	Exchange Static	Mainframe		Slight Swirl		Community Wing Level 1 & 2	
MR-1	Dance Mirror	Generic	Generic	Generic	Generic		Generic		MPR	Per Manufacturer
MTL-1	Mullions	Arcadia	6" x 36" x .1"	T-200 Series	Clear AC-2, BRUSHED	AC-3		Anodized Aluminum Headers and Mullions	Per Elevations	
MTL-2	Perforated Bench	MOZ Designs	1/4"D Perforations, 3/8" Staggered Center	Decorative Metal	Yellow		Perforated, TBD		Lobby under Stairs	
MTL-3	Perforated Metal Panels	MOZ Designs	1/4"D Perforations, 3/8" Staggered Center	Decorative Metal	Yellow		Perforated, TBD		Lobby Level 2	Per A/806
MTL-4	Metal Fixtures & Equipment	Vary	Per Fixtures Schedule		Brushed Stainless Steel		Varies		MPR B & Kitchen	Per A852
PLT-1	Plastic Laminate	Formica	Vary	Formica Hardstop	Graystone	464H-58	Matte Finish		Community Wing	
PT-1	Paint - White	Dunn Edwards	6" x 36" x .1"	Versa Series [W6250E]	Cool December	DEW383		Low Sheen	Exterior	
PT-2	Paint - Orange	Dunn Edwards	6" x 36" x .1"	Versa Series [W6250E]	Ripe Pumpkin	DE5307		Low Sheen	Exterior	
PT-3	Paint - Yellow	Dunn Edwards	6" x 36" x .1"	Versa Series [W6250E]	Summertime	DE5381		Low Sheen	Exterior & Lobby	
PT-4	Paint - Turqoise	Dunn Edwards	6" x 36" x .1"	Versa Series [W6250E]	Montego Bay	DE5739		Low Sheen	Exterior	
PT-5	Paint- Blue	Dunn Edwards	6" x 36" x .1"	Versa Series [W6250E]	Slumber	DE5860		Low Sheen	Exterior	
SF-1	Sports Floor - Basketball	Tarkett	2.25" Planks, 2.5" Total System Thickness	Clutch Court Trainer 3	2nd Grade Northern Hard Maple with Clear Sealer and white painted court lines		Per Finish Floor Plans		Gym	Per 1/A801
SF-2	Sports Floor - Dancing	Harlequin	6" x 36" x .1"	Floor Spring System	Gray		Per Finish Floor Plans	Per Finish Floor Plans	MPR C	
SF-3	Sports Floor - Dancing	Harlequin	6" x 36" x .1"	Floor Spring System	White		Per Finish Floor Plans	Per Finish Floor Plans	MPR C	
SF-4	Sports Protection Pads	Porter	2'W x 7'-8"H x 2" Thick Panels	DuraSafe Wall Pads	White		B1	Per Interior Elevations	Gym	Per 14/A801
SS-1	Solid Surface Countertop	Silestone	Varies	Mythology	Zeus/White Zeus Extreme		Suede		Community Wing	

PER TABLE 803.13
INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

GROUP	INTERIOR EXIT STAIRWAYS AND RAMPS AND EXIT PASSAGEWAYS	CORRIDORS AND ENCLOSURE FOR EXIT ACCESS STAIRWAYS AND RAMPS	ROOMS AND ENCLOSED SPACES
A-3	B	B	C
B	B	C	C

CLASS A =FLAME SPREAD INDEX 0—25; SMOKE-DEVELOPED INDEX 0—450.
CLASS B =FLAME SPREAD INDEX 26—75; SMOKE-DEVELOPED INDEX 0—450.
CLASS C =FLAME SPREAD INDEX 76—200; SMOKE-DEVELOPED INDEX 0—450

LADBS APPROVAL STAMP

GYM EQUIPMENT

TAG. NO.	EQUIPMENT	NOTES
1109	BLEACHERS	SEE SPECIFICATIONS
1103	RETRACTABLE BASKETBALL BACKBOARD	MAIN COURT (SIDE FOLD/REAR MAST), SEE SPECIFICATIONS
1104	RETRACTABLE BASKETBALL BACKBOARD	PRACTICE COURT (FRONT FOLD MAST), SEE SPECIFICATIONS
1119	SCOREBOARD	SEE SPECIFICATIONS
1120	PADDED WALL PANELS	SEE SPECIFICATIONS
	BASEKETBALL EQUIPMENT	NOT IN DRAWINGS, SEE SPECIFICATIONS
	VOLLEYBALL EQUIPMENT	NOT IN DRAWINGS, SEE SPECIFICATIONS
	BADMINTON EQUIPMENT	NOT IN DRAWINGS, SEE SPECIFICATIONS

FIXTURE & ACCESSORY SCHEDULE

TAG NO.	FIXTURE/ APPLIANCE	FINISH	NOTES
1005	RESTROOM: MIRROR	-	SEE SPECIFICATIONS
1006	RESTROOM: TOILET PAPER AND SEAT COVER DISPENSER AND TRASH	STAINLESS STEEL	BOBRICK B-357 SERIES PARTITION MOUNTED COMBO SEAT COVER, SANITARY NAPKIN, TOILET TISSUE DISPENSER
1007	RESTROOM: PAPER TOWEL DISPENSER AND TRASH	STAINLESS STEEL	BOBRICK B-38034 COMBINATION COMMERCIAL PAPER TOWEL DISPENSER/WASTE RECEPTACLE, RECESSED-MOUNTED
1008	RESTROOM: TOILET PARTITION	-	SEE SPECIFICATIONS
1009	RESTROOM: GRAB BAR	POLISHED CHROME	BOBRICK GRAB BAR
1010	RESTROOM: CHANGING TABLE	STAINLESS STEEL	KOALA BEAR KB310-SSWM HORIZONTAL STAINLESS STEEL SURFACE MOUNTED
1011	RESTROOM: SHOWER FIXTURE	POLISHED CHROME	SEE PLUMBING FIXTURES P0.02
1012	RESTROOM: FAUCET	POLISHED CHROME	SEE PLUMBING FIXTURES P0.02
1013	RESTROOM: SOAP DISPENSER	POLISHED CHROME	SEE PLUMBING FIXTURES P0.02
1014	RESTROOM: SHOWER CURTAIN	VINYL AND STAINLESS STEEL	BOBRICK CURTAIN, CURTAIN ROD, CURTAIN HOOKS
1015	RESTROOM: SHOWER SEAT	WHITE PHENOLIC	BOBRICK FOLDING SHOWER SEAT B-5193
1016	RESTROOM: SHOWER SHELF	POLISHED CHROME	-
1017	RESTROOM: WALL HOOK	POLISHED CHROME	BOBRICK B-233 CLOTHES HOOK
1018	JANITOR STORAGE: SERVICE SINK FAUCET	POLISHED CHROME	SEE PLUMBING FIXTURES P0.02
1019	KITCHENETTE: FAUCET	POLISHED CHROME	-
1113	DISHWASHER	-	SEE SPECIFICATIONS
1114	REFRIGERATOR	-	SEE SPECIFICATIONS
1115	MICROWAVE	-	SEE SPECIFICATIONS
1116	COFFEE MAKER	-	SEE SPECIFICATIONS
2201	RESTROOM: URINAL (ADA)	WHITE	SEE PLUMBING FIXTURES P0.02
2204	LOBBY: DRINKING FOUNTAIN WITH BOTTLE FILLER	-	SEE SPECIFICATIONS
2210	RESTROOM: WATER CLOSET	WHITE	SEE PLUMBING FIXTURES P0.02
2211	RESTROOM: WATER CLOSET (ADA)	WHITE	SEE PLUMBING FIXTURES P0.02
2212	RESTROOM: LAVATORY	QUARTZ TO MATCH SS-1, SEE FINISH SCHEDULE A710	SEE PLUMBING FIXTURES P0.02
2214	KITCHENETTE: SINK	STAINLESS STEEL	SEE PLUMBING FIXTURES P0.02
2215	JANITOR STORAGE: SERVICE SINK	WHITE	SEE PLUMBING FIXTURES P0.02

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
OFFICIAL RECORD

LIGHT FIXTURE SCHEDULE

FIXTURE NO.	DESCRIPTION	MANUFACTURER	MODEL	MOUNTING	LAMP	FINISH	Count	NOTES
F8	SQUARE LED - 4" x 4"			RECESSED EXTERIOR	A-19		1	
F-1	SQUARE LED - 4" x 4"			RECESSED	3500K		86	
F-2	LINEAR LED - 4" x 4'			RECESSED	3500K		11	
F-3	LINEAR LED - 4" x 4'			PENDANT	3500K		44	
F-4	2' GLOBE			PENDANT	2800K		4	
F-6	HIGH BAY FIXTURE			PENDANT	3500K	WHITE, PTD.	29	

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY ENGINEER
DATE:

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: FINISH AND FIXTURE SCHEDULES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A710
SHEET O F SHEETS

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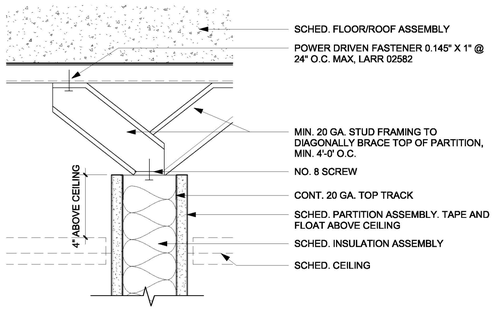
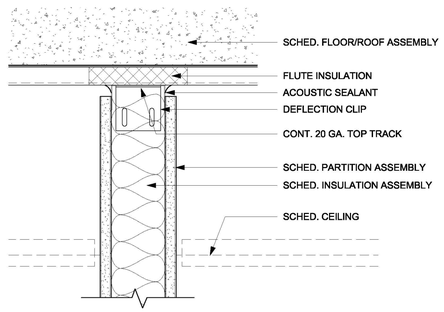
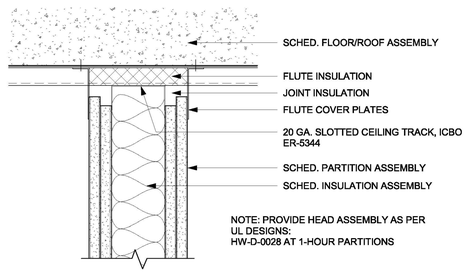


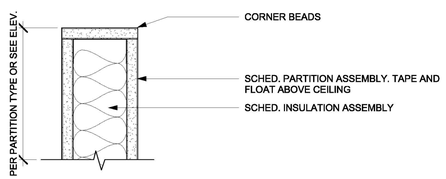
TYP. ABV. CELING PART. HEAD (-3)



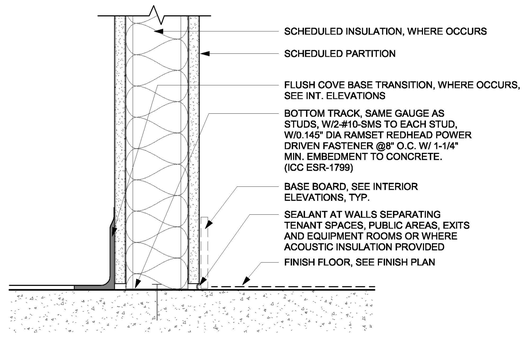
TYP. NON-RATED PARTITION HEAD (-2)



TYP. RATED PARTITION HEAD (-1)



TYP. PARTIAL HEIGHT WALL (-5)



TYP. PARTITION BASE

D — 1-HOUR RATED SHAFT WALL (UL U415 SYSTEM A)
(1) LAYER 5/8" TYPE 'X' GYP BD ON 20 GA. METAL C-H STUDS 24" O.C. (1) LAYER 1" TYPE 'X' GYP LINER PANELS FRICTION FIT

C — SEE INT. ELEVATIONS FOR WALL FINISH.
(1) LAYER 5/8" TYPE 'X' MOLD/MOISTURE RESISTANT GYP BD ON 20 GA. METAL STUDS 16" O.C. ACOUSTIC BATT INSULATION R-15 AT FULL HEIGHT WALLS
(1) LAYER 5/8" TYPE 'X' MOLD/MOISTURE RESISTANT GYP BD ON 20 GA. METAL STUDS 16" O.C.
CONFIRM CAVITY REQ. WITH COMPACT FIXTURE SUPPORTS. UL U493. STC 61. FIRE RATING 1HR.

B — (1) LAYER 5/8" TYPE 'X' GYP BD ON 20 GA. METAL STUDS 16" O. C. PROVIDE ADDITIONAL STUD BRACING AS REQUIRED, ACOUSTIC BATT INSULATION AT FULL HEIGHT WALLS

A — (1) LAYER 5/8" TYPE 'X' GYP BD EACH SIDE OF 20 GA. METAL STUDS 16" O.C. PROVIDE ADDITIONAL STUD BRACING AS REQUIRED, ACOUSTIC BATT INSULATION R-15 AT FULL HEIGHT WALLS. TYPE 'X' MOLD/MOISTURE RESISTANT AT ALL MAINTENANCE/EQUIP ROOMS WITH PLUMBING. UL U448 @ A2 ONLY, UL U465 ALL OTHER PARTITIONS. STC 36. FIRE RATING 1HR.

PARTITION TYPES

LADBS APPROVAL STAMP

1. ALL PARTITIONS ARE TO BE CONSTRUCTED PER THE FOLLOWING CRITERIA UNLESS OTHERWISE NOTED IN SCHEDULE

DESIGN LOAD: 5 PSF
DEFLECTION: L/240 EXCEPT AT TILE WALLS, L/360
LIMITING HEIGHT: PER USG SA923 *MAY VARY BY MANUFACTURER, G.C. TO COORD BASED ON STUDS 16" O.C.

STUD SIZE	DEFLECTION	(1) LAYER EACH SIDE	(2) LAYERS EACH SIDE	(1) LAYER FURRING
2-1/2"	L/240	13'-10"	16'-1"	13'-0"
	L/360	12'-0"	14'-0"	11'-6"
3-5/8"	L/240	17'-11"	20'-2"	17'-3"
	L/360	15'-7"	17'-8"	15'-0"
6"	L/240	26'-1"	28'-6"	25'-6"
	L/360	22'-10"	24'-11"	23'-3"

2. GC TO VERIFY THAT ALL ITEMS MOUNTED ON PARTITIONS DO NOT EXCEED ALLOWABLE DEFLECTION OR LOADING CRITERIA.

3. ALL GYPSUM BOARD AND GYPSUM PANELS TO BE FIRE RATED TYPE 'X'

4. AT INTERIOR TILE OR STONE, PROVIDE 5/8" MOLD & MOISTURE RESISTANT GYPSUM BOARD IN LIEU OF GYPSUM BOARD. EXCEPT AT SHOWER OR TUB WALLS PROVIDE CEMENT BOARD OR EQUIVALENT BACKER.

5. ALL METAL STUDS & ANCHORS (POWDER DRIVEN) TO BE LISTED BY AN APPROVED TESTING AND LISTING AGENCY (ICBO, ES), INSTALLED PER THE LISTING AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. ACCEPTABLE STEEL STUD MANUFACTURERS:

STUD:
- STEEL STUD MANUFACTURERS ASSOCIATION: LARR 25529/ ICBO ER-4943P (LISTING PRODUCTS BY MANUFACTURERS IN TABLE 2 OF ICBO REPORT)

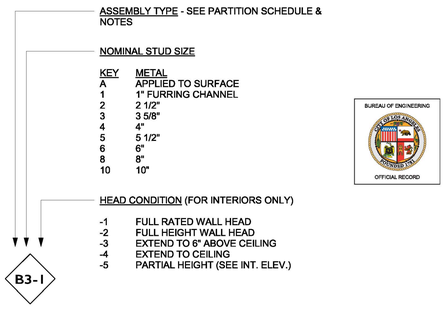
ANCHORS:
- HILTI POWDER DRIVEN FASTENERS: LARR 256-46/ ICC-ES ESR 1663
- ITW RAMSET/ RED HEAD: LARR 22668/ ICC-ES ESR-1799

6. ALL INSULATION SHALL HAVE MAX FLAME SPREAD OF 25 AND MAX SMOKE DENSITY OF 450

7. IN COMBUSTIBLE CONSTRUCTION, PROVIDE FIRE BLOCKING AT:
A) CONCEALED SPACES OF PARTITION WALLS, INCLUDING FURRED SPACES, AT THE CEILING AND FLOOR LEVELS, AND AT 10' INTERVALS BOTH VERTICAL AND HORIZONTAL.
B) AT INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCURS AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
C) CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE WITH THE RUN OF STAIRS IF THE WALLS UNDER THE STAIRS ARE UNFINISHED.
D) IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS THAT AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS.

8. ALL EXTERIOR MTL. STUD FRAMING IS DESIGN BUILD AND DEFERRED-SUBMITTAL BY CONTRACTOR

PARTITION NOTES



PARTITION LEGEND

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CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT MICHAEL B. LEHRER STATE OF CALIFORNIA Exp. 12.31.23

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TYPICAL INTERIOR PARTITION TYPES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

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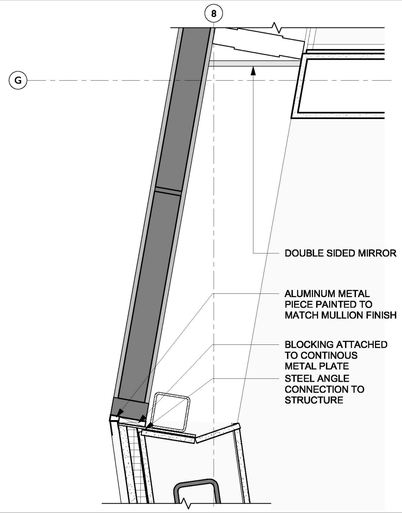
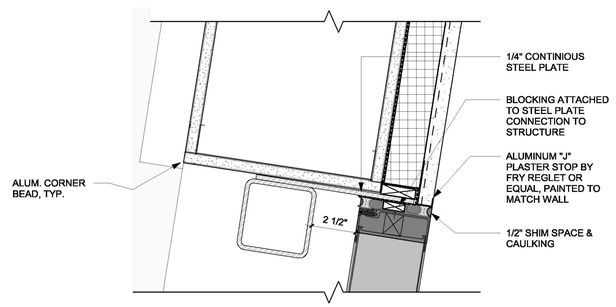
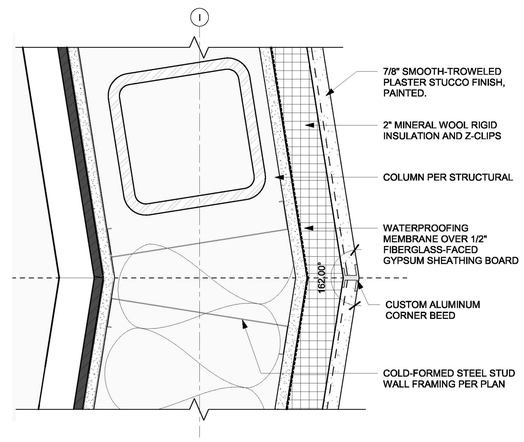


1 1/2" = 1'-0" KALWALL RESTROOM JUNCTION 01 5

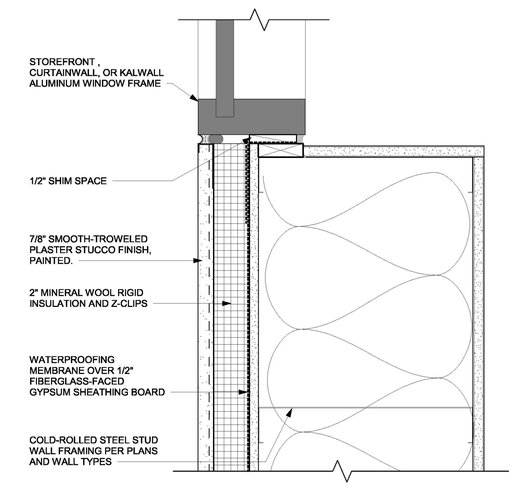


3" = 1'-0" KALWALL JUNCTION - GRIDLINE 1.2 @ FLAT WALL 9

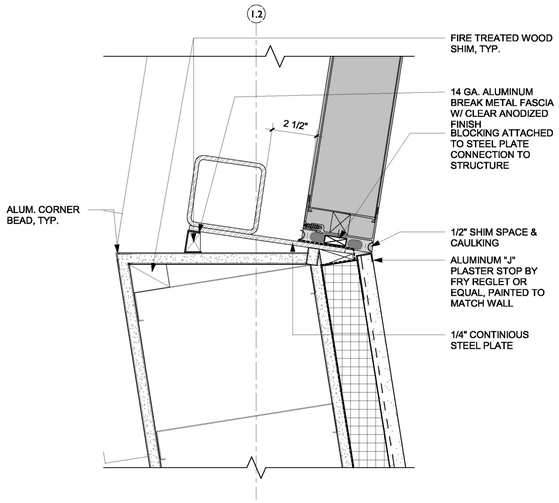


3" = 1'-0" GYM WALL BEND PLAN DETAIL 3

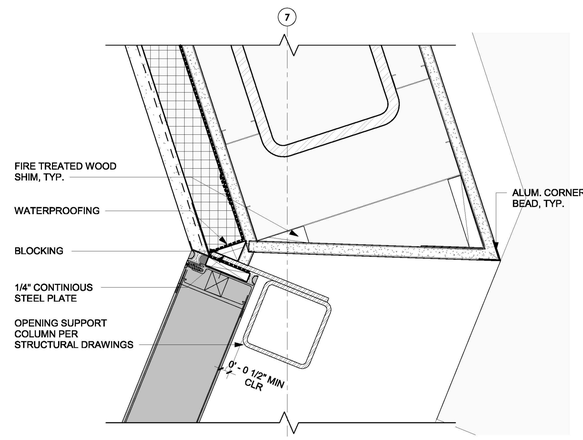
LADBS APPROVAL STAMP



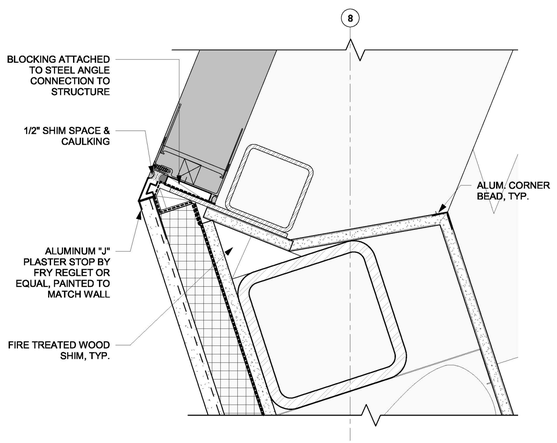
3" = 1'-0" TYPICAL JAMB DETAIL 8



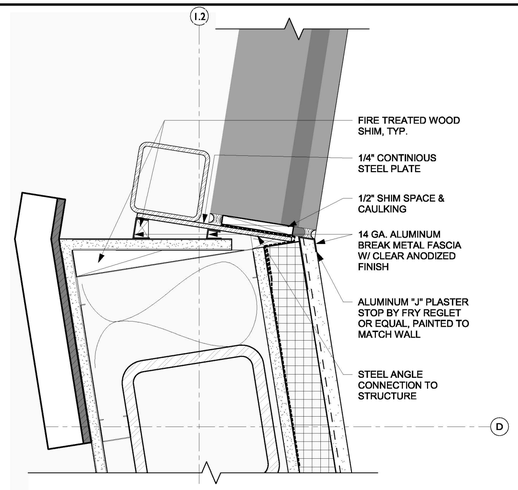
3" = 1'-0" KALWALL JUNCTION - GRIDLINE 1.2 @ ANGLED WALL 6



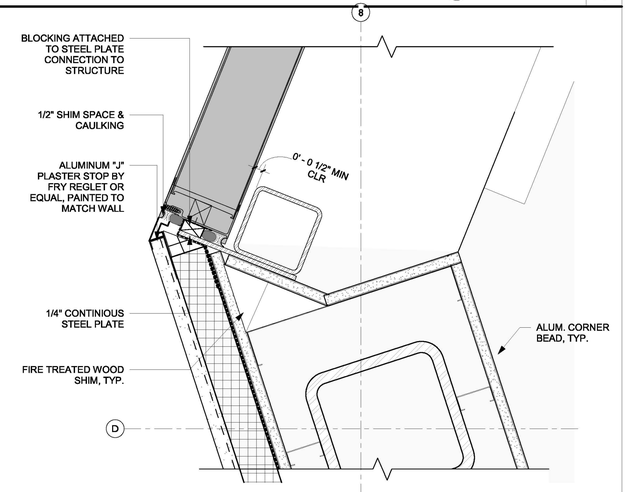
3" = 1'-0" JAMB DETAIL @ GRIDLINE 7 1



3" = 1'-0" KALWALL BRACING OUTWARD 7



3" = 1'-0" EAST GYM GLAZING INWARD BEND 2



3" = 1'-0" KALWALL JUNCTION @ GRIDLINES D & 8 4

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CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
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INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
DEPARTMENT OF
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1908203
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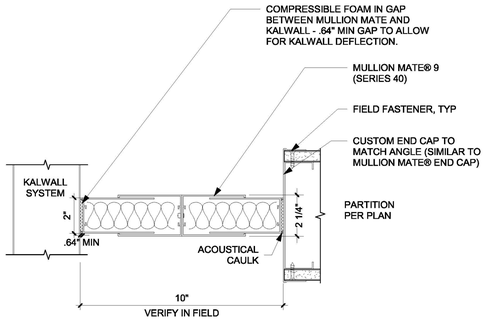
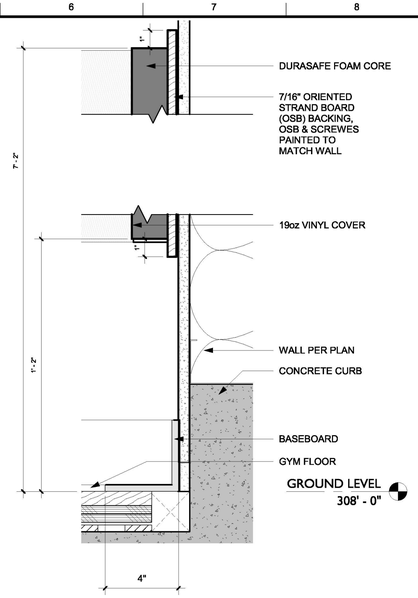
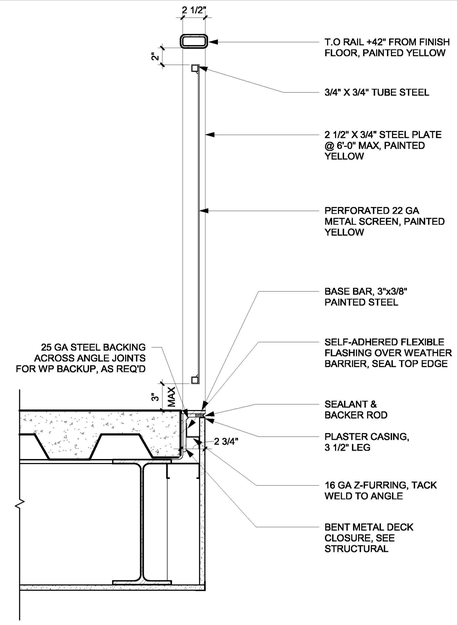


3" = 1'-0" MULLION MATE AGAINST KALWALL 9



3" = 1'-0" PORTER SPORTS PAD 6



1 1/2" = 1'-0" PERF METAL RAILING 3

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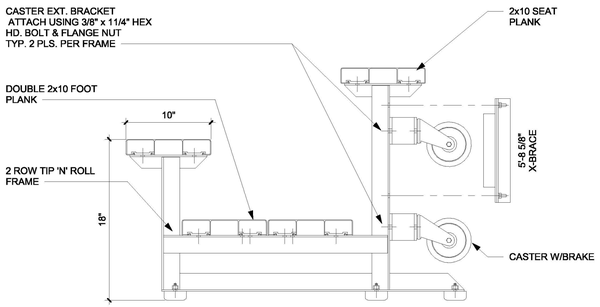
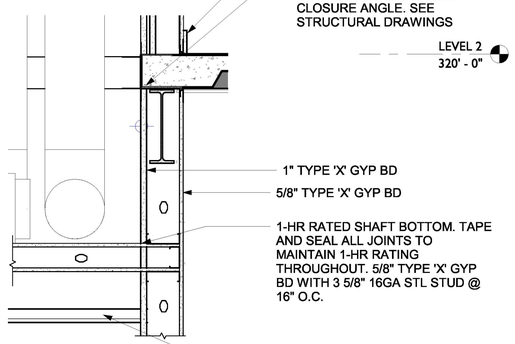
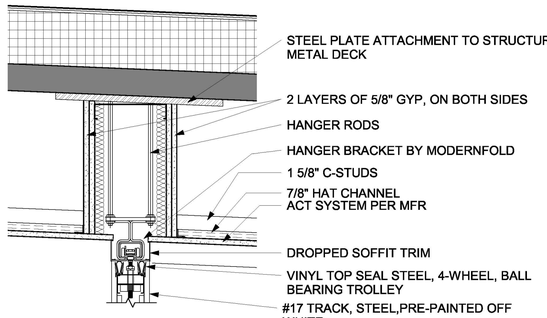


NOTE:
ALUMINUM BLEACHERS - 2 ROWS OF SEATS, 12' LONG, TIP AND ROLL - NRC TR-0212PRF OR APPROVED EQUAL

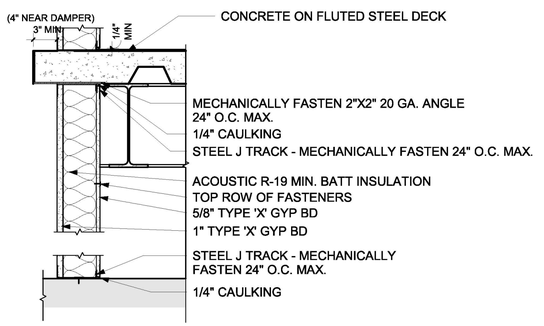
1 1/2" = 1'-0" BLEACHER - SECTION 8



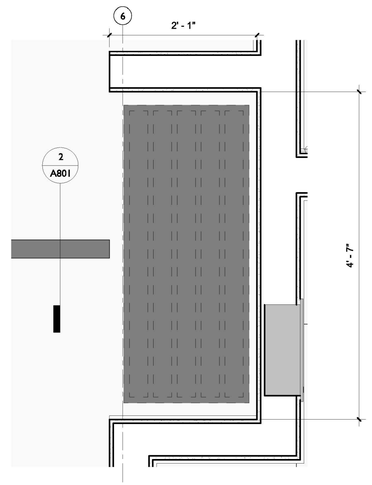
1" = 1'-0" SHAFT SOFFIT 5



1 1/2" = 1'-0" FOLDABLE PARTITION HEADER 2



1" = 1'-0" 1-HR SHAFT WALL PARTITION 4



1" = 1'-0" FOLDABLE PARTITION 1

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1	BID SET		

BUILDING NO. -

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LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

SHEET TITLE: DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

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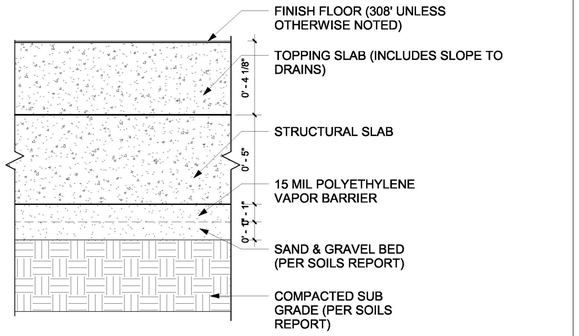
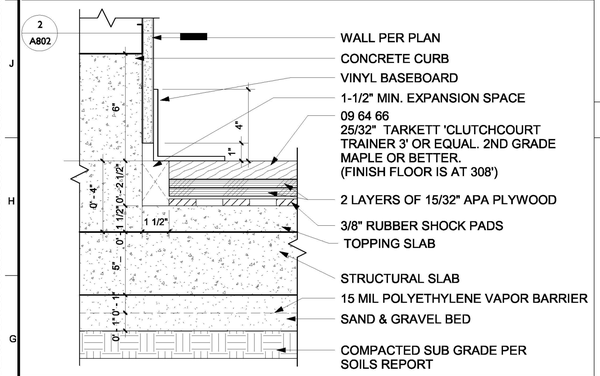
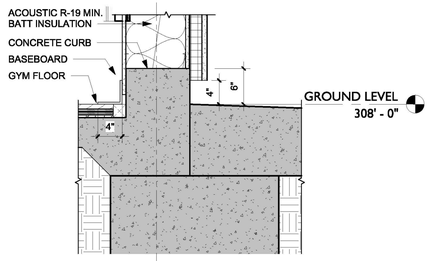


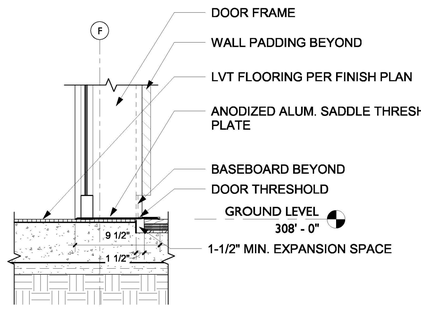
3" = 1'-0" SLAB ON GRADE AND FLOOR - NORTH WING | 10



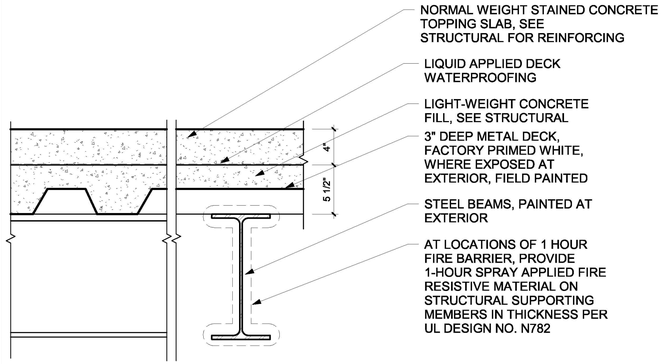
3" = 1'-0" SLAB ON GRADE AND FLOOR - GYM | 9



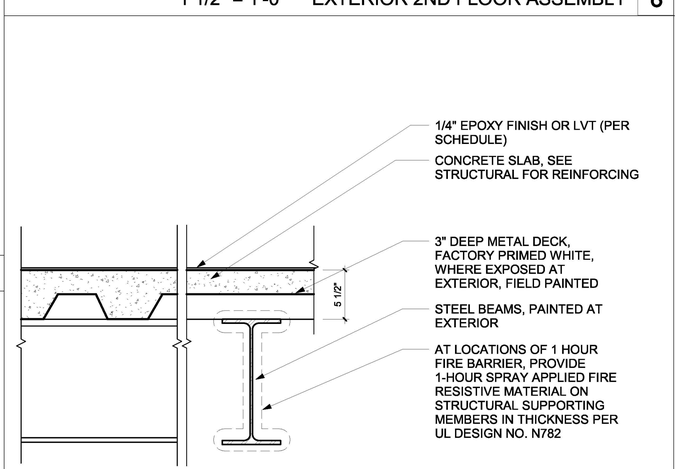
1" = 1'-0" WALKWAY AT WALL | 8



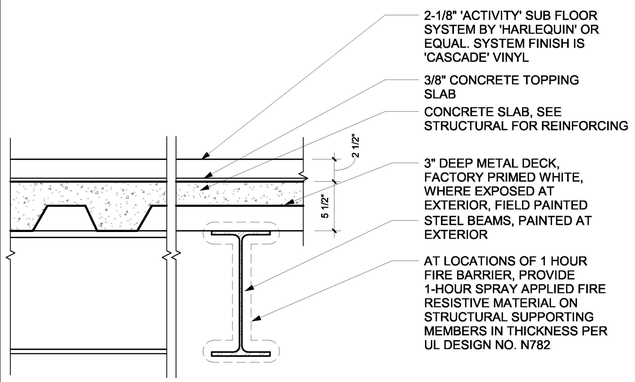
1" = 1'-0" LOBBY GYM FLOOR TRANSITION | 7



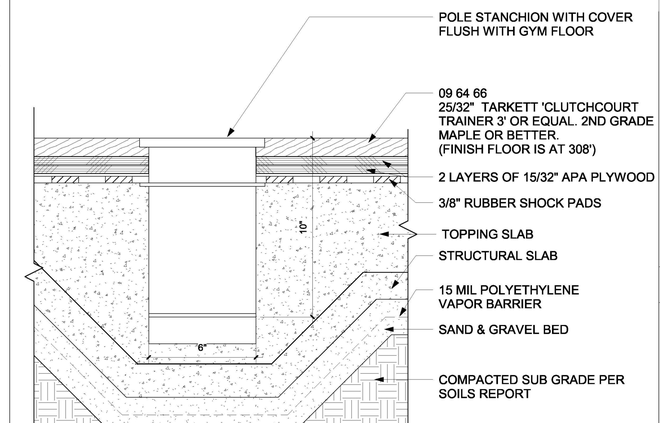
1 1/2" = 1'-0" EXTERIOR 2ND FLOOR ASSEMBLY | 6



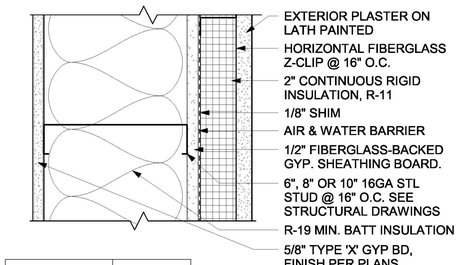
1 1/2" = 1'-0" INTERIOR 2ND FLOOR ASSEMBLY | 5



1 1/2" = 1'-0" DANCE FLR ASSEMBLY @ MULTI-PURPOSE ROOM C | 4

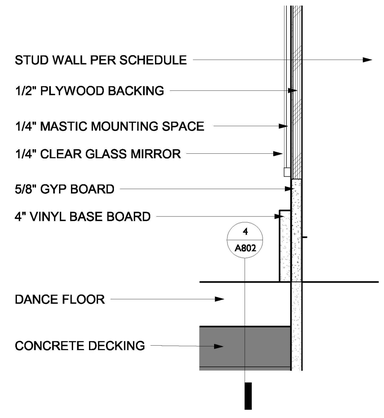


3" = 1'-0" SLAB ON GRADE AND FLOOR_GYM @ POLES | 3



WALL TYPE	STUD SIZE
E6	6"
E8	8"
E12	12"

3" = 1'-0" EXTERIOR WALL ASSEMBLY | 2



3" = 1'-0" MIRROR/DANCE FLOOR CONNECTION | 1

LADBS APPROVAL STAMP

BUREAU OF ENGINEERING
OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/18/20
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REVISION DATES (DESIGN STAGE ONLY)

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES
ENGINEERING
CITY OF LOS ANGELES

NO.	DATE	BY
	BID SET	

REVISION DESCRIPTION

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY ENGINEER DATE:

TED ALLEN, P.E.
ARCHITECTURAL DIVISION
LIC. NO.: C12115

ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

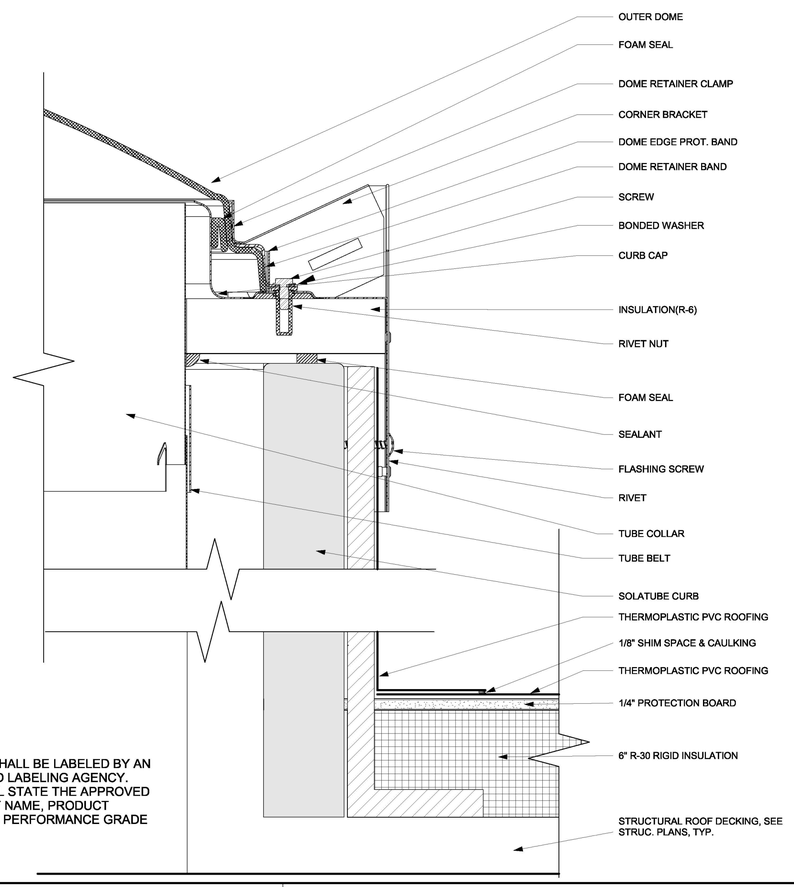
WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A802

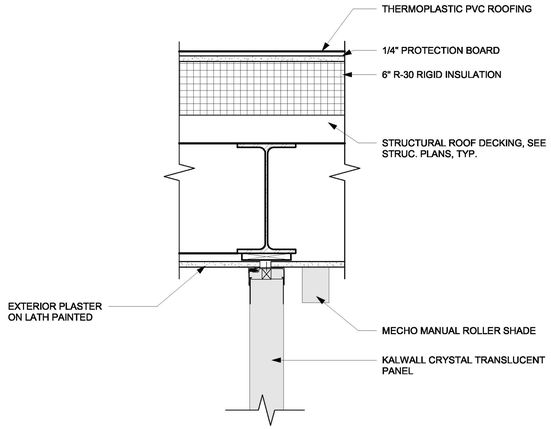
SHEET OF SHEETS

PLOTTED:6/25/2024 2:50:09 PM

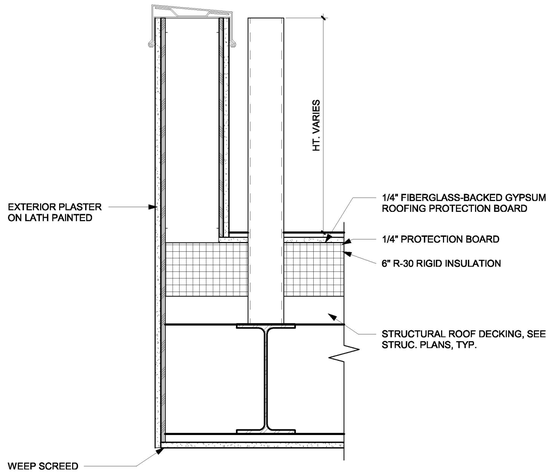


NOTE:
UNIT SKYLIGHTS SHALL BE LABELED BY AN LA CITY APPROVED LABELING AGENCY. SUCH LABEL SHALL STATE THE APPROVED LABELING AGENCY NAME, PRODUCT DESIGNATION AND PERFORMANCE GRADE RATING

3" = 1'-0" SOLATUBE DETAILS 9

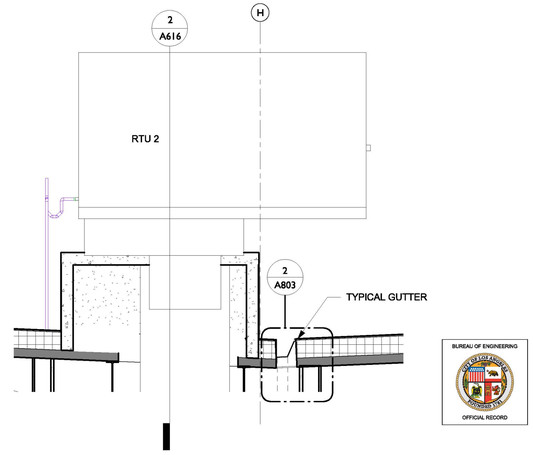


1 1/2" = 1'-0" CEILING DETAIL 6

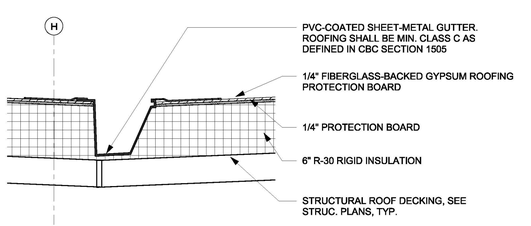


1 1/2" = 1'-0" PARAPET DETAIL 5

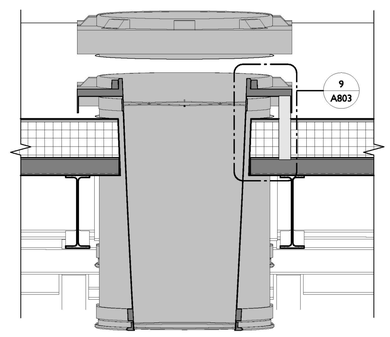
LADBS APPROVAL STAMP



1/2" = 1'-0" SECTION AT GUTTER AND RTU 2 3



1 1/2" = 1'-0" GUTTER NEAR GRIDLINE H 2



solatube spec:
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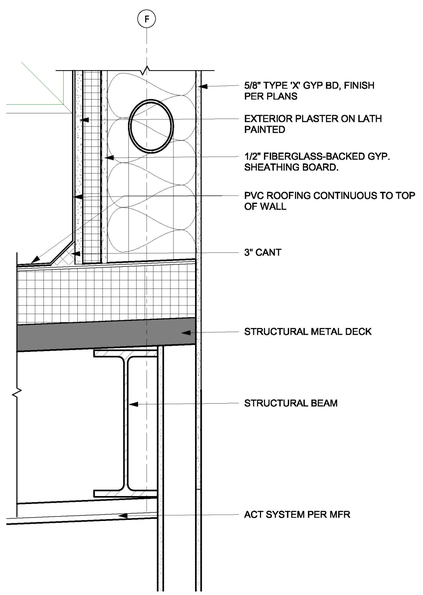
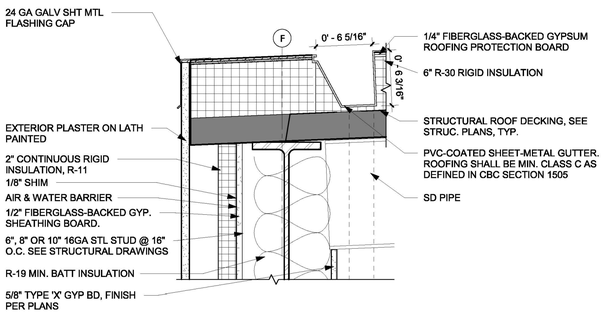
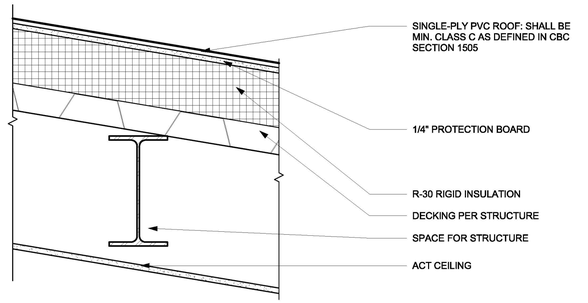
1" = 1'-0" SOLATUBE PENETRATIONS 8



1 1/2" = 1'-0" CONNECTION AT GRIDLINE F 7



1 1/2" = 1'-0" FLASHING AT ROOF EDGE 4



1 1/2" = 1'-0" TYPICAL ROOF ASSEMBLY 1

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SHEET ISSUE DATE: 10/22/20
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REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
OFFICIAL RECORD

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.

CITY ENGINEER: DATE:

ARCHITECTURAL DIVISION LIC. NO.: C12115
ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A803
SHEET 0 OF SHEETS

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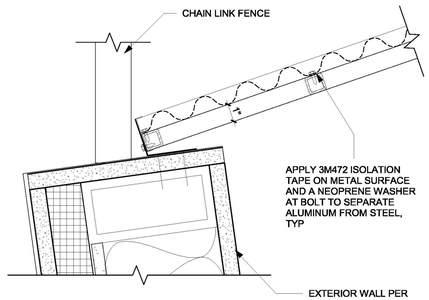
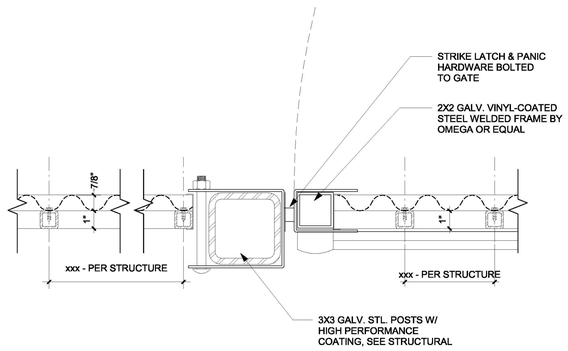
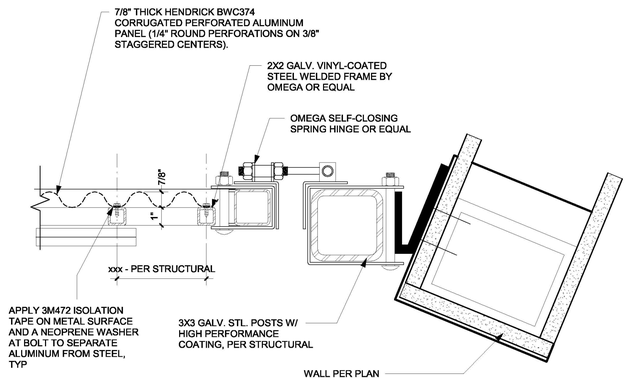


3" = 1'-0" CORNER CONECTION DETAIL **9**

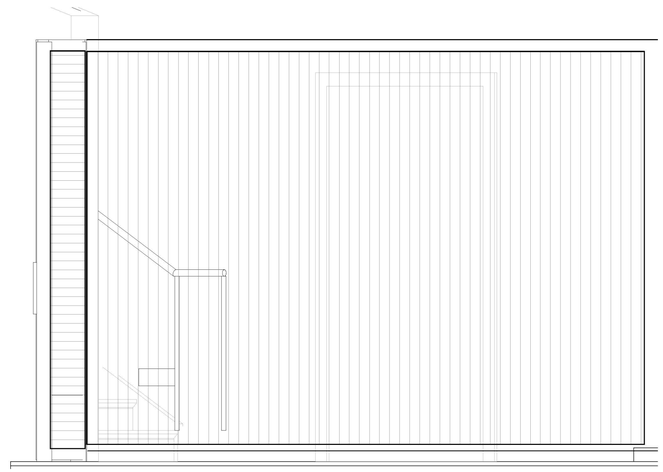


3" = 1'-0" GATE LATCH **8**

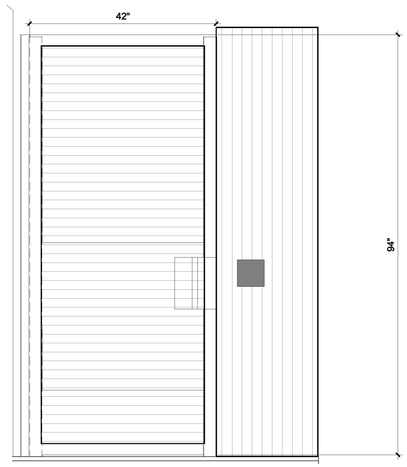


3" = 1'-0" GATE JAMB AT HINGE **7**

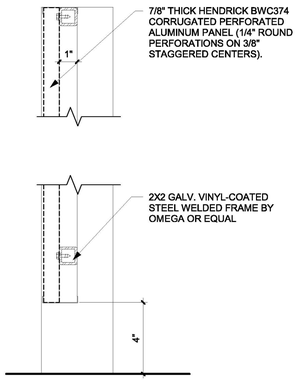
LADBS APPROVAL STAMP



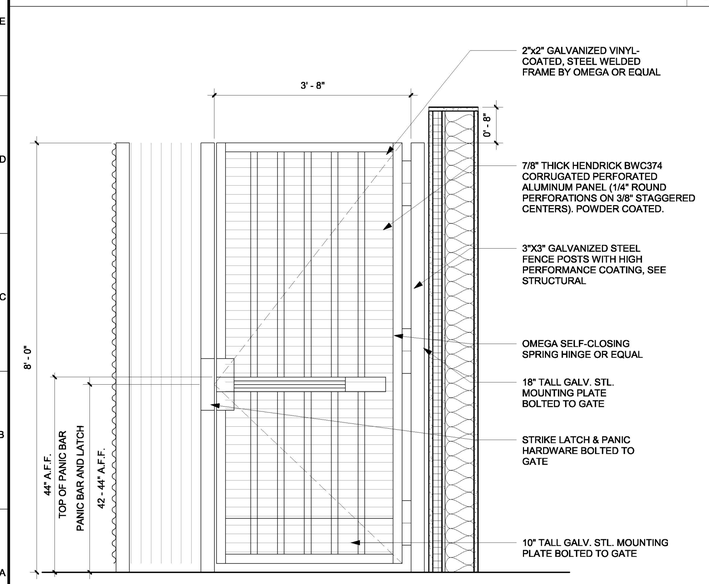
3/4" = 1'-0" FENCE NORTH ELEVATION **6**



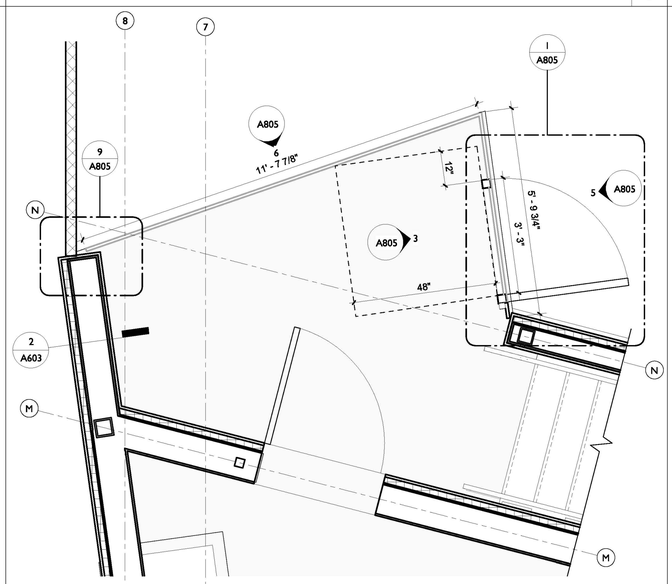
3/4" = 1'-0" GATE AND FENCE ELEVATION **5**



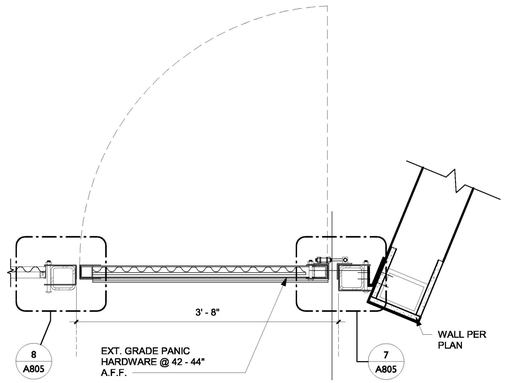
3" = 1'-0" FENCE SECTION **4**



3/4" = 1'-0" GATE ELEVATION **3**



1/2" = 1'-0" GROUND FLOOR - ENLARGED EXIT **2**



1" = 1'-0" GATE **1**

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BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

BUREAU OF PUBLIC WORKS

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A805

SHEET O F SHEETS

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SHEET ISSUE DATE: 08/17/21
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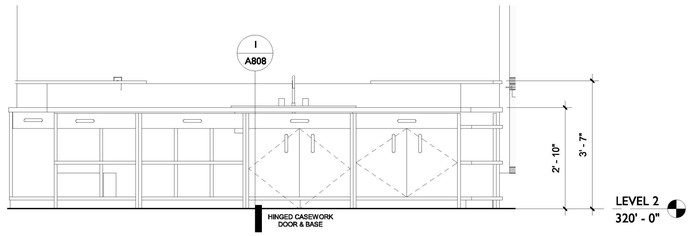
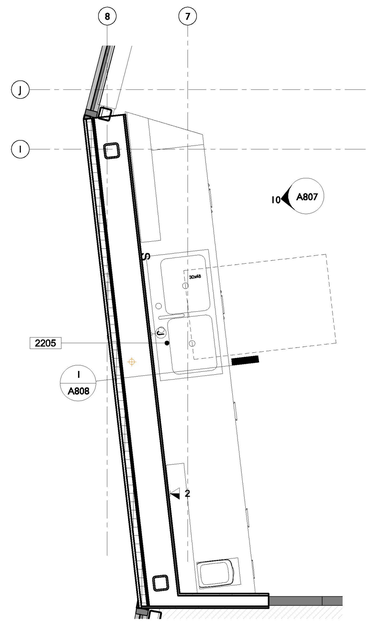


1/2" = 1'-0" CASEWORK ELEVATION - MPR B **10**

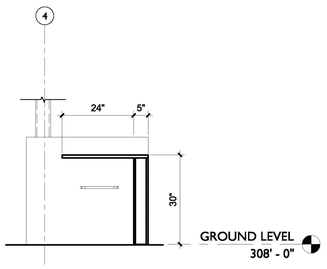


1/2" = 1'-0" CASEWORK MPR B **9**

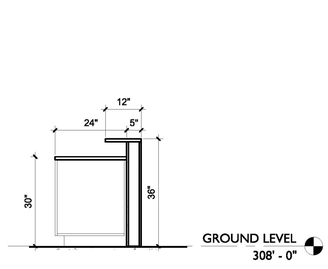
LADBS APPROVAL STAMP

1113	CEILING MOUNTED BASKETBALL HOOP & BACKBOARD
2205	SINK IN COUNTERTOP

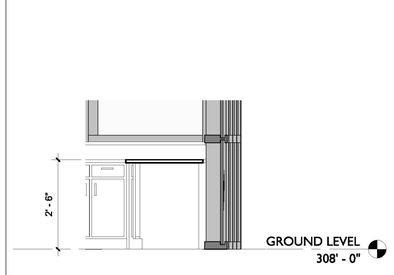
KEYNOTES



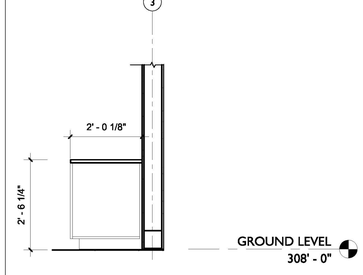
1/2" = 1'-0" STAFF DESK STORAGE **8**



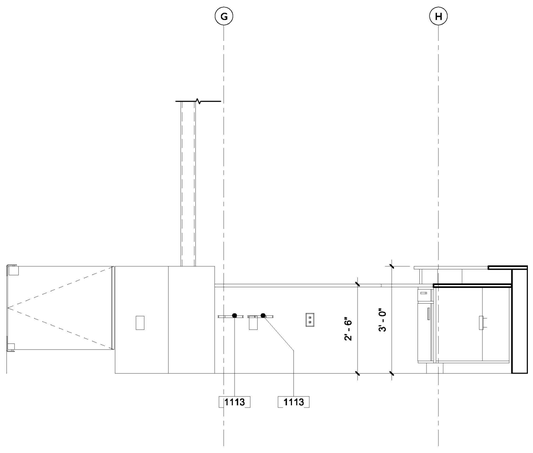
STAFF DESK KNEE CLEARANCE **7**



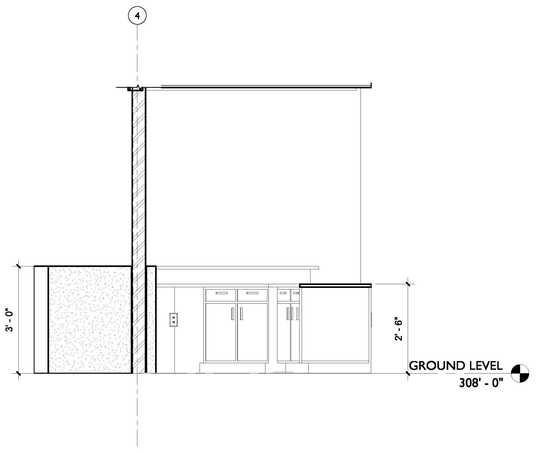
1/2" = 1'-0" DESK AT CURTAIN WALL **6**



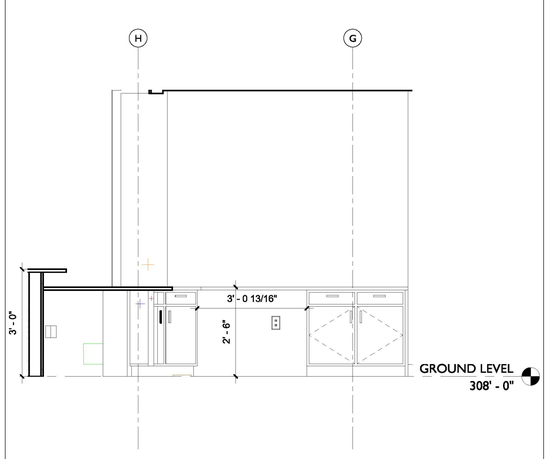
1/2" = 1'-0" STAFF DESK WALL **5**



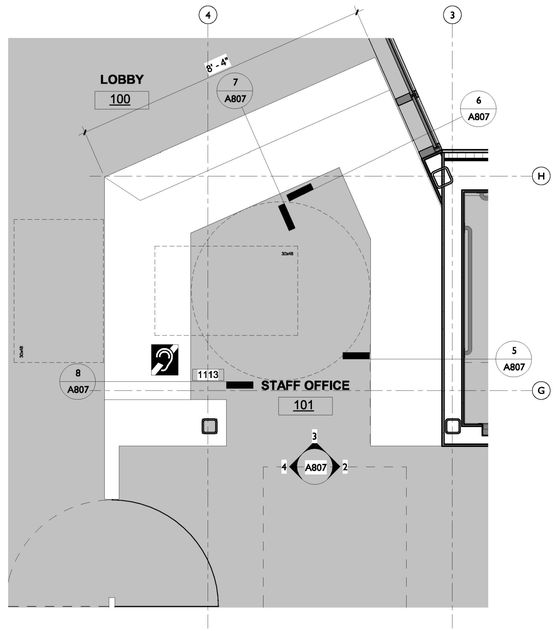
1/2" = 1'-0" STAFF DESK LOBBY **4**



1/2" = 1'-0" STAFF DESK ENTRY **3**



1/2" = 1'-0" STAFF DESK WALL **2**



1/2" = 1'-0" STAFF DESK **1**

REVISION DATES (DESIGN STAGE ONLY)

BUREAU OF ENGINEERING
OFFICIAL RECORD

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ENGINEERING
CITY OF LOS ANGELES

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Exp. 12.31.23
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BUREAU OF ENGINEERING

CITY ENGINEER
DATE:

TED ALLEN, P.E.

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DETAILS - MILLWORK

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A807

SHEET OF SHEETS

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SHEET ISSUE DATE: 10/30/20
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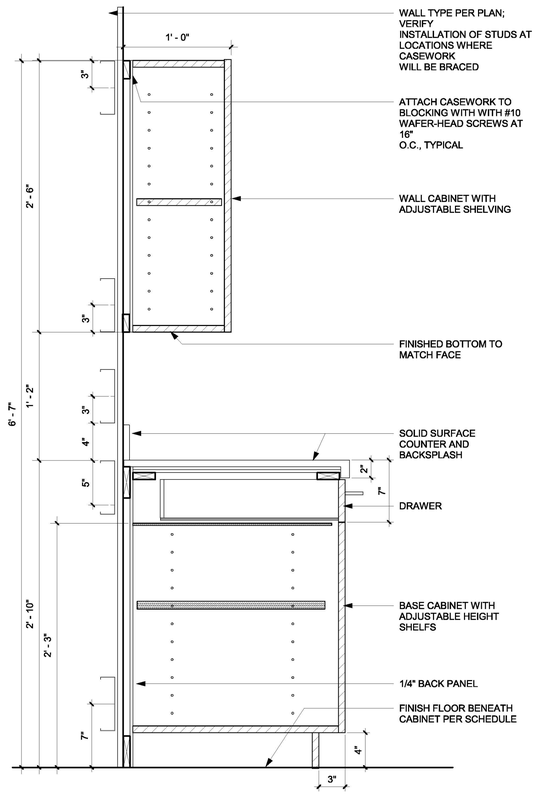
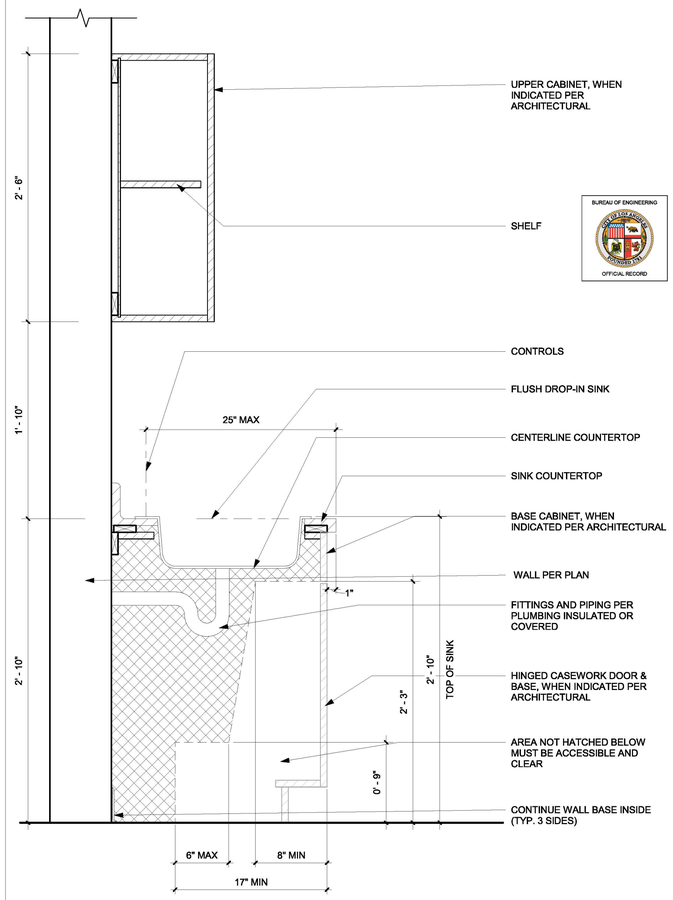


1 1/2" = 1'-0" TYPICAL CASEWORK SECTION 2



1 1/2" = 1'-0" SINK CLEARANCES 1

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ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

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BUILDING NO. -

INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
ARCHITECTURAL DIVISION
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DETAILS - MILLWORK

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. A808
SHEET 0 OF SHEETS

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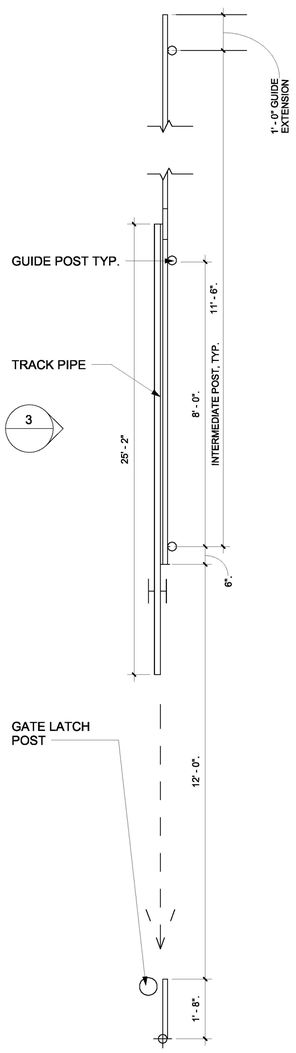
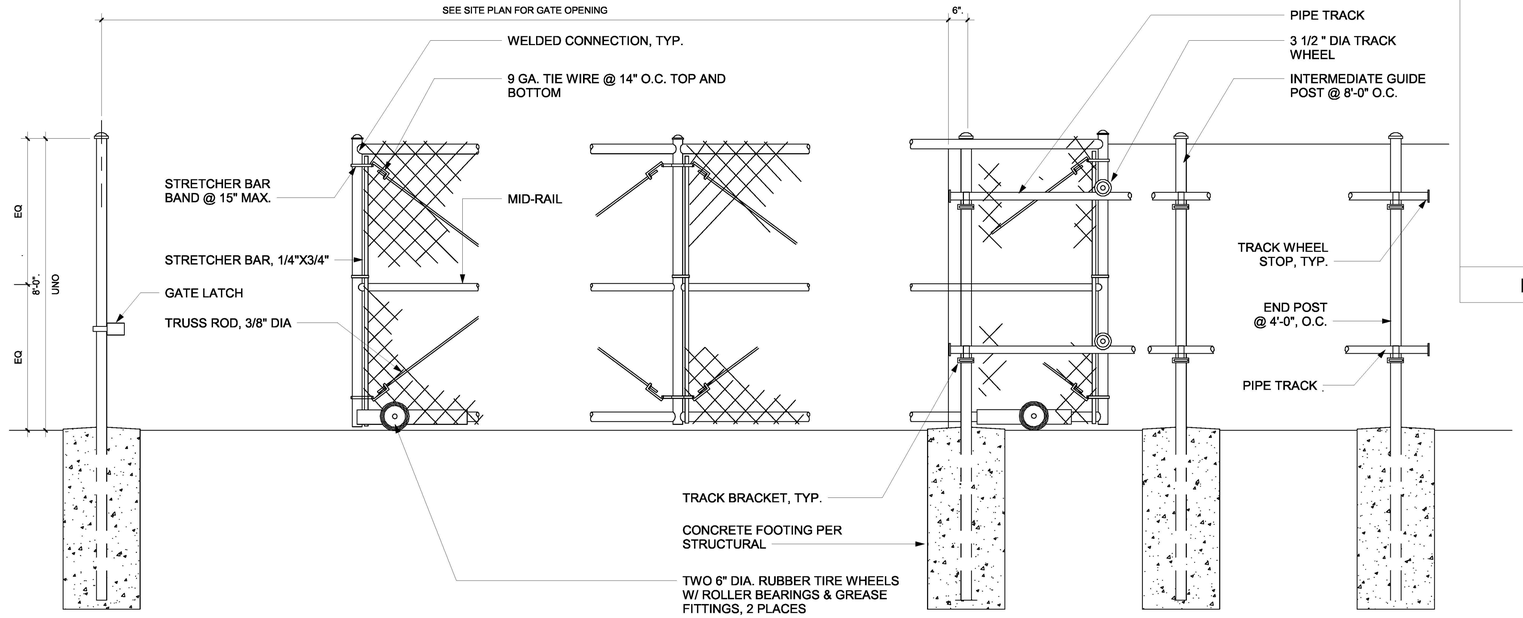


1/4" = 1'-0" SLIDING GATE PLAN DETAIL 8



1/4" = 1'-0" SITE CHAINLINK FENCE DETAILS 3

3" = 1'-0" MID RAIL TO POST 7

3" = 1'-0" CHAINLINK FENCE - TOP OF POST 5

3" = 1'-0" POST FOOTING 2

FENCE HEIGHT	8'-0"
CORNER OR END POST O.D.	3"
LINE OR INTER- MEDIATE POST O.D.	2 1/2"
GATE POST O.D.	3 1/2"
TOP & BOTTOM RAIL O.D.	1 5/8"
HORIZONTAL BRACE O.D.	1 5/8"
MAX POST SPACING	8'-0"

1/4" = 1'-0" CHAINLINK FENCE DETAIL 6

1/4" = 1'-0" CHAINLINK GATE - SINGLE LEAF 4

1/4" = 1'-0" CHAINLINK GATE - DOUBLE LEAF 1

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CITY OF LOS ANGELES

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MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
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PUBLIC WORKS

DEPARTMENT OF

CITY OF LOS ANGELES

CITY ENGINEER: TED ALLEN, P.E. DATE:

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: DETAILS - FENCE & GATES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. A809

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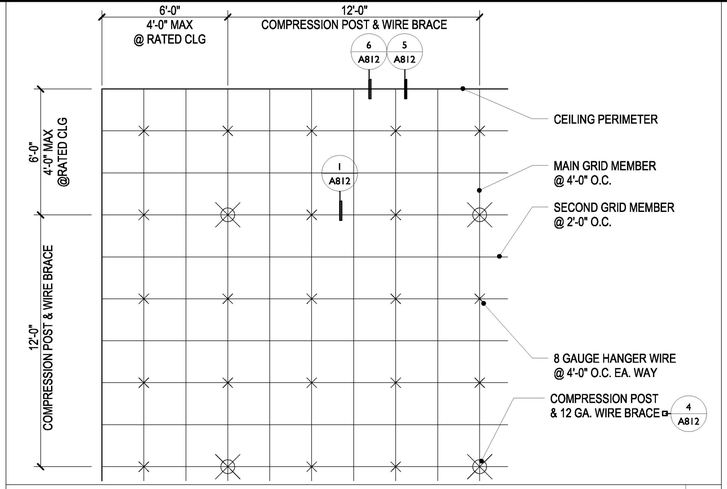
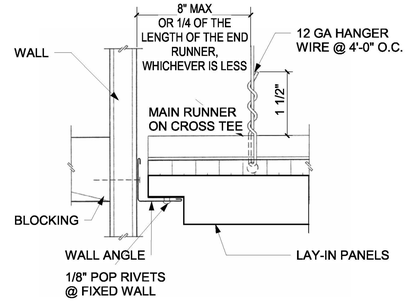
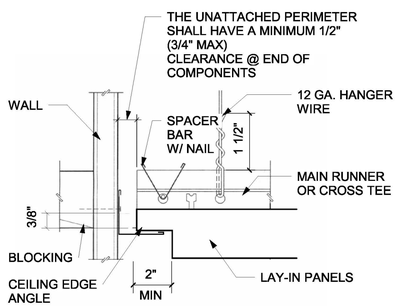


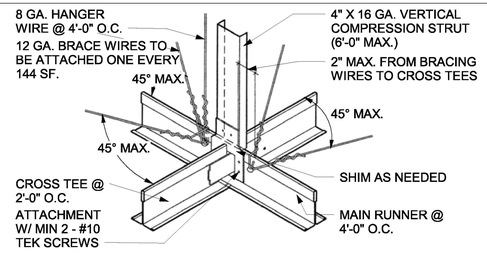
3" = 1'-0" ACOUSTICAL TILE SUSPENSION 7



3" = 1'-0" ATTACHED ACOUSTICAL TILE PERIMETER 6



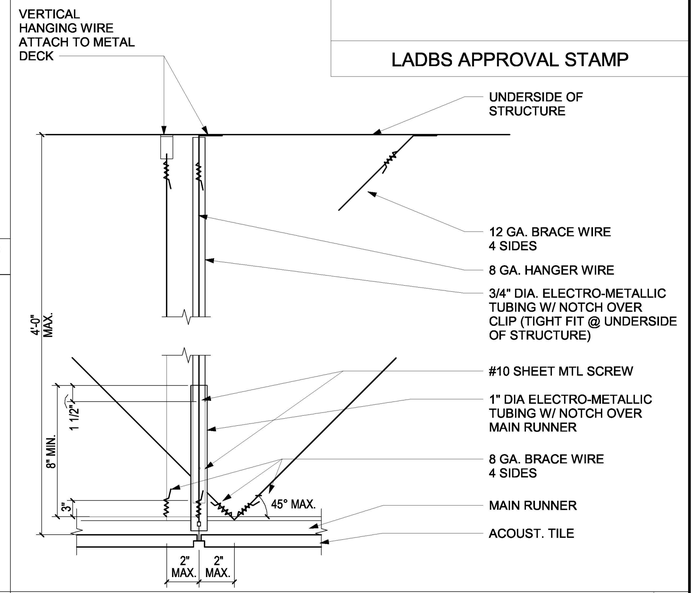
3" = 1'-0" UNATTACHED ACOUSTICAL TILE PERIMETER 5



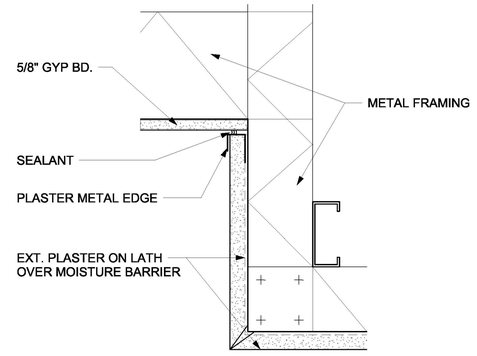
NOTES:
ALL CEILING LIGHT FIXTURES & HVAC AIR REGISTERS SHALL BE SUPPORTED BY A MINIMUM OF (2) HANGERS @ OPPOSITE CORNERS. CEILING SYSTEM SHALL NOT SUPPORT OTHER ITEMS. ALL INTERIOR WALL & CEILING FINISHES SHALL BE INSTALLED IN ACCORDANCE WITH C.B.C. SECTION 4203 & SHALL BE FLAME SPREAD CLASS III.

3" = 1'-0" COMPRESSION POST DIAGRAM 4

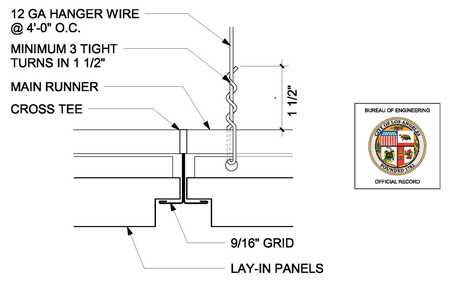
LADBS APPROVAL STAMP



3" = 1'-0" COMPRESSION POST & WIRE BRACE FOR ACT 3



3" = 1'-0" SOFFIT DETAIL 2



3" = 1'-0" LAY-IN ACOUSTICAL TILE PANEL CEILING 1

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INDEX NO. RP-300126

LICENSED ARCHITECT
MICHAEL B. LEHRER
C 12115
Exp. 12.31.23
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

TED ALLEN, P.E.
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
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CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DETAILS - CEILING

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
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REVISION DATES (DESIGN STAGE ONLY)

STRUCTURAL DRAWING LIST	
Sheet Number	Sheet Name
S0 SERIES: SHEET LIST, GENERAL NOTES, TYPICAL DETAILS	
S0.00	GENERAL NOTES
S0.01	GENERAL NOTES
S0.02	GENERAL NOTES
S0.10	TYPICAL CONCRETE DETAILS
S0.11	TYPICAL CONCRETE DETAILS
S0.20	TYPICAL STEEL DETAILS
S0.21	TYPICAL STEEL DETAILS
S0.22	TYPICAL STEEL DETAILS
S0.23	TYPICAL STEEL DETAILS
S0.24	SPECIFIC STEEL DETAILS
S0.30	TYPICAL METAL DECK DETAILS
S0.31	TYPICAL METAL DECK DETAILS
S0.32	TYPICAL METAL DECK DETAILS
S0.33	EQUIPMENT ANCHORAGE DETAILS
S0.40	TYPICAL CFMF DETAILS - WALL CONSTRUCTION
S0.41	TYPICAL CFMF DETAILS - WALL BASE CONNECTIONS
S0.42	TYPICAL CFMF DETAILS - WALL TOP CONNECTIONS
S0.50	TYPICAL MASONRY DETAILS
S2 SERIES: FOUNDATION PLAN, FRAMING PLAN, AND SLAB REINFORCING PLANS	
S2.00	OVERALL FOUNDATION AND 2ND FLOOR
S2.01	ROOF PLAN
S2.10	FOUNDATION LEVEL - ENLARGED PLAN
S2.11	FOUNDATION FLOOR - NORTH ENLARGED GYM
S2.12	FOUNDATION FLOOR - SOUTH ENLARGED GYM
S2.20	LEVEL 2 - ENLARGED PLAN
S2.21	LEVEL 2 - NORTH ENLARGED GYM
S2.22	LEVEL 2 - SOUTH ENLARGED GYM
S2.30	ROOF - ENLARGED PLAN
S2.31	GYM ROOF - NORTH ENLARGED PLAN
S2.32	GYM ROOF - SOUTH ENLARGED PLAN
S3 SERIES: BUILDING SECTIONS & STAIR INFORMATION	
S3.00	STAIR ENLARGED PLANS
S3.10	WALL SECTIONS
S3.11	WALL SECTIONS
S3.12	WALL SECTIONS
S4 SERIES: ELEVATIONS	
S4.00	BRACE ELEVATION
S4.01	BRACE ELEVATION
S4.10	TRUSS ELEVATION
S4.20	BUILDING ELEVATION
S4.21	BUILDING ELEVATION
S5 SERIES: TRASH ENCLOSURE	
S5.00	TRASH ENCLOSURE
S5.01	TRASH ENCLOSURE SECTIONS

GR **GENERAL REQUIREMENTS**

GR-1 MATERIALS AND WORKMANSHIP TO CONFORM WITH THE 2019 EDITION OF THE CALIFORNIA BUILDING CODE, WITH CITY OF LOS ANGELES AMENDMENTS AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

GR-2 REFERENCE TO CODES, RULES, REGULATIONS, STANDARDS, MANUFACTURER'S INSTRUCTIONS OR REQUIREMENTS OF REGULATORY AGENCIES IS TO THE LATEST PRINTED EDITION OF EACH IN EFFECT AT THE DATE OF SUBMISSION OF BID UNLESS THE DOCUMENT DATE IS SHOWN.

GR-3 VERIFY ALL DIMENSIONS, ELEVATIONS, & SITE CONDITIONS BEFORE STARTING WORK. NOTIFY STRUCTURAL ENGINEER OF DISCREPANCIES.

GR-4 REFER TO ARCHITECTURAL & CIVIL DRAWINGS FOR EXTERIOR SLABS.

GR-5 DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, USE SIMILAR DETAILS OF CONSTRUCTION, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.

GR-6 THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND FOR CHECKING DIMENSIONS. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES AND RESOLVE BEFORE PROCEEDING WITH THE WORK.

GR-7 DO NOT SCALE THE DRAWINGS.

GR-8 PROVIDE MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT MAY NOT BE LIMITED TO, BRACING AND SHORING FOR LOADS DURING CONSTRUCTION. RETAIN A REGISTERED CIVIL ENGINEER WHOM IS PROPERLY QUALIFIED TO DESIGN BRACING, SHORING, ETC. VISITS TO THE SITE BY THE OWNER'S REPRESENTATIVE WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.

GR-9 REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF FLOOR, ROOF AND WALL OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS. COORDINATE THE SIZE AND LOCATION OF OPENINGS ASSOCIATED WITH, BUT NOT LIMITED TO, ELECTRICAL, MECHANICAL AND PLUMBING TRADES. SUBMIT FINAL SIZING AND LOCATION REQUIREMENTS OF OPENINGS TO THE OWNER'S REPRESENTATIVE FOR REVIEW.

GR-10 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING A SAFE PLACE TO WORK AND MEETING THE REQUIREMENTS OF ALL APPLICABLE JURISDICTIONS. EXECUTE WORK TO ENSURE THE SAFETY OF PERSONS AND ADJACENT PROPERTY AGAINST DAMAGE BY FALLING DEBRIS AND OTHER HAZARDS IN CONNECTION WITH THIS WORK.

FN-1 **FOUNDATION AND SITE WORK**

FN-1 GROUNDWATER WAS ENCOUNTERED APPROXIMATELY 24' - 31' BELOW GRADE. IT IS NOT EXPECTED TO BE A FACTOR IN THE CONSTRUCTION OF THE FOUNDATION. HOWEVER, IT MAY BE A FACTOR IN CONSTRUCTION OF TEMPORARY SHORING.

FN-2 LOCATE AND PROTECT EXISTING UTILITIES TO REMAIN DURING AND/OR AFTER CONSTRUCTION.

FN-3 REMOVE ABANDONED FOOTINGS, UTILITIES, ETC. WHICH INTERFERE WITH NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED.

FN-4 NOTIFY THE OWNER'S REPRESENTATIVE IF ANY BURIED STRUCTURES NOT INDICATED, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC., ARE FOUND.

FN-5 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING, UNDERPINNING AND PROTECTION OF EXISTING CONSTRUCTION.

FN-6 REMOVE LOOSE SOIL AND STANDING WATER FROM FOUNDATION EXCAVATIONS PRIOR TO PLACING CONCRETE.

FN-7 EXCAVATIONS FOR FOUNDATIONS MUST BE ACCEPTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING REINFORCING AND CONCRETE. NOTIFY THE GEOTECHNICAL ENGINEER WHEN EXCAVATIONS ARE READY FOR INSPECTION.

FN-8 PLACE BACKFILL BEHIND RETAINING WALLS AFTER CONCRETE OR MASONRY HAS ATTAINED FULL DESIGN STRENGTH. BRACE BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHED FLOORS AND SLABS ON GRADE ARE COMPLETE AND HAVE ATTAINED FULL DESIGN STRENGTH.

FN-9 COMPACT EXCAVATION BACKFILLS IN LAYERS PER THE GEOTECHNICAL REPORT. FIELD OBSERVATION AND TESTING SHALL BE PERFORMED BY THE SOILS ENGINEER DURING GRADING TO ASSIST THE CONTRACTOR IN OBTAINING THE REQUIRED DEGREE OF COMPACTION AND PROPER MOISTURE CONTENT.

FN-10 IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, NOTIFY GEOTECHNICAL ENGINEER AND ADDITIONAL SOILS REPORT MAY BE REQUIRED.

FN-11 IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, NOTIFY STRUCTURAL ENGINEER AND SOILS REPORT MAY BE REQUIRED.

FN-12 FOUNDATION SILLS SHALL BE NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.

DC **DESIGN CRITERIA**

DC-1 APPLICABLE CODE: 2019 CALIFORNIA BUILDING CODE WITH CITY OF LOS ANGELES AMENDMENTS

DC-2 PROJECT TYPE: NEW CONSTRUCTION

DC-3 TYPE OF CONSTRUCTION: STEEL BRACED FRAME WITH CONCRETE OVER METAL DECK FLOORS AND BARE METAL DECK ROOFS ON SHALLOW FOUNDATIONS.

DC-4 FOUNDATION DESIGNS ARE IN ACCORDANCE WITH RECOMMENDATIONS PROVIDED IN "GEOTECHNICAL ENGINEERING REPORT FILE #19-113" DATED 3/25/20 BY CITY OF LA GEOTECHNICAL ENGINEERING DIVISION. EASTON FORCIER, GE.

TYPE OF SOIL	CL
ALLOWABLE NET SOIL PRESSURE	=2500 PSF
COEFFICIENT OF FRICTION	=0.325
PASSIVE RESISTANCE	=205 PCF

*ALLOWABLE SOIL BEARING PRESSURES ARE FOR FOOTINGS HAVING A DEPTH EQUAL TO 24".

DC-5 GRAVITY LOADS:

DEAD LOADS

ROOF = 12PSF
2ND LEVEL OFFICES =75PSF
EXTERIOR WALL = 18PSF
INTERIOR WALL =15PSF
PARTITIONS= 20PSF

LIVE LOADS

ROOF = 20PSF
2ND LEVEL OFFICES = 50PSF
2ND LEVEL CORRIDORS = 100PSF

DC-6 SEISMIC DESIGN:
THE STRUCTURE HAS BEEN EVALUATED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE.

SEISMIC DESIGN CATEGORY = D
SITE CLASS = D
ANALYSIS PROCEDURE = ELF
RHO = 1.3

S_S	= 2.094
S_1	= 0.745
S_{DS}	= 1.546
S_{D1}	= 1.032
S_{M1}	= 1.548
I	= 1.0 FOR OCCUPANCY CATEGORY (II)

STRUCTURE: SCBF
LFRS = SCBF
R = 6.0
OVERSTRENGTH = 2.0
Cs = 0.258
OVERALL WEIGHT =846K
BASE SHEAR V= 218K

DC-7 WIND DESIGN:

BASIC WIND SPEED, V = 95MPH (3 SECOND GUST)
EXPOSURE CATEGORY = C
GUST EFFECT FACTOR = 0.85
Kd = 0.85
Kz = 0.85
ENCLOSURE CLASSIFICATION = ENCLOSED
INTERNAL PRESSURE COEFFICIENT GCpi = ±0.18
qz = 20.8PSF
TOTAL WIND FORCE (X-DIRECTION) = 85K
TOTAL WIND FORCE (Y-DIRECTION) = 42K

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.8888
HELLO@OUSENGINEERING.COM

ABBREVIATIONS

(E)	EXISTING
(N)	NEW
[UP]	UPSTANDING BEAM
[VIF]	VERIFY IN FIELD
AB	ANCHOR BOLT
ARCH	ARCHITECTURAL
B	BOTTOM BAR(S)
BLKG	BLOCKING
BM	BEAM
BN	BOUNDARY NAILING
BOE	BASE OF EXCAVATION
BOT	BOTTOM
CA	COLUMN ABOVE
CB	COLUMN BELOW
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
DBL	DOUBLE
DEG	DEGREE(S)
DIA	DIAMETER
DWG	DRAWING
EA	EACH
EF	EACH FACE
ELEV	ELEVATION
EMBED	EMBEDDED OR EMBEDMENT
EN	EDGE NAILING
EQ	EQUAL
ES	EACH SIDE
EW	EACH WAY
EXT	EXTERIOR
FDN	FOUNDATION
FG	FINISHED GRADE
FN	FIELD NAILING
FS	FAR SIDE
FTG	FOOTING
GA	GAUGE
GB	GRADE BEAM
HDR	HEADER
HGR	HANGER

ABBREVIATIONS

HORIZ	HORIZONTAL
INT	INTERIOR
LWC	LIGHTWEIGHT CONCRETE
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
NO. OR #	NUMBER
NS	NEAR SIDE
OC	ON CENTER
OH	OPPOSITE HAND
OMF	ORDINARY MOMENT FRAME
PC	PILE CAP
PEN	PENETRATION
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
RC	REINFORCED CONCRETE
REINF	REINFORCEMENT OR REINFORCING STEEL
REQ'D	REQUIRED
SCBF	SPECIAL CONCENTRICALLY BRACED FRAME
SCHED	SCHEDULE
SHTHG	SHEATHING
SIM	SIMILAR
SMRF	SPECIAL MOMENT RESISTING FRAME
SOG	SLAB ON GRADE
STD	STANDARD
SYM	SYMMETRIC
T	TOP BAR(S)
T&B	TOP AND BOTTOM
T.O.	TOP OF
THK	THICK / THICKNESS
TOC	TOP OF CONCRETE
TOD	TOF OF DECK
TOF	TOP OF FOOTING
TOFR	TOP OF FRAMING
TOG	TOP OF GRADE
TOPC	TOP OF PILE CAP
TOS	TOP OF STEEL
TOW	TOP OF WALL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VERT	VERTICAL
WP	WORK POINT

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BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

BUREAU OF PUBLIC WORKS
DEPARTMENT OF
CITY OF LOS ANGELES

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
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Issue Date
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GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: GENERAL NOTES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO.
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PLOTTED:11/14/2023 11:37:31 AM

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE:01/12/18
FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

REVISION DATES (DESIGN STAGE ONLY)

LA DBS — DEPARTMENT OF BUILDING AND SAFETY

Los Angeles Regional Uniform Code Program

Committee I-3: Structural Observation

LARUCP — Los Angeles Regional Uniform Code Program

STRUCTURAL OBSERVATION PROGRAM
AND DESIGNATION OF THE
STRUCTURAL OBSERVER

PROJECT ADDRESS: _____ PERMIT APPL. NO.: _____

Description of Work: NEW GYM STRUCTURE

Owner: CITY OF LOS ANGELES Architect: LEHRER ARCHITECTS Engineer: NOUS ENGINEERING

STRUCTURAL OBSERVATION
(only checked items are required)

Firm or Individual to be responsible for the Structural Observation:

Name: OMAR L. GARZA Phone: (213) 926-8708 Calif. Registration: S5593

FOUNDATION	WALL	FRAME	DIAPHRAGM
☒ Footing, Stem Walls, Piers	☒ Concrete	☐ Steel Moment Frame	☐ Concrete
☐ Mat Foundation	☐ Masonry	☒ Steel Braced Frame	☒ Steel Deck
☒ Caisson, Piles, Grade Beams	☐ Wood	☐ Concrete Moment Frame	☐ Wood
☐ Stepp g/Retain g Foundation, Hillside Special Anchors	☐ Others:	☐ Masonry Wall Frame	☐ Others:
☐ Others:		☐ Others:	

DECLARATION BY OWNER

I, the Owner of the project, declare that the above listed firm or individual is hired **by me** to be the Structural Observer.

Signature _____ Date _____

DECLARATION BY ARCHITECT OR ENGINEER OF RECORD (required if the Structural Observer is different from the Architect or Engineer of Record)

I, the Architect or Engineer of record for the project, declare that the above listed firm or individual is designated by me to be responsible for the Structural Observation.

Signature _____ License No. _____ Date _____

INFORM.08 (Part 2) (Rev. 1/1/2007) www.ladbs.org

BOARD OF BUILDING AND SAFETY COMMISSIONERS
JAVIER NUNEZ, PRESIDENT
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CITY OF LOS ANGELES
CALIFORNIA
KAREN BASS
MAYOR

DEPARTMENT OF BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012
OSAMA YOUNAN, P.E.
GENERAL MANAGER
SUPERINTENDENT OF BUILDING
JOHN WEIGHT
EXECUTIVE OFFICER

SOILS REPORT APPROVAL LETTER

January 18, 2023

LOG # 124445
SOILS/GEOLOGY FILE - 2

GEO
1149 S. Broadway, Suite 120
Los Angeles, CA 90015

TRACT: Colegrove (MR 53-10)
BLOCK: BLK 17
LOT(S): PT 1
LOCATION: 1122 N. Cole Avenue

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Addendum Report	19-113	12/08/2022	Geotechnical Engineering Division

PREVIOUS REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Dept. Approval Letter	119008	10/21/2021	LADBS
Addendum Report	19-113	11/04/2020	Geotechnical Engineering Division
Dept. Approval Letter	113311	06/17/2020	LADBS
Soils Report	19-113	03/25/2020	Geotechnical Engineering Group
Dept. Approval Letter	68531	09/15/2009	LADBS
Soils Report	09-029	08/25/2009	Geotechnical Engineering Group

The Grading Division of the Department of Building and Safety has reviewed the referenced report that provides updated recommendations for the proposed excavation and foundations.

The Department previously conditionally approved the above referenced reports for the proposed 2-story gym, miscellaneous park improvements, and infiltration facility in a letter dated 10/21/2021, Log #119008.

As of January 1, 2020, the City of Los Angeles has adopted the new 2020 Los Angeles Building Code (LABC). The 2020 LABC requirements will apply to all projects where the permit application submittal date is after January 1, 2020.

The referenced report is acceptable, provided the following conditions are complied with during site development:

LADBS G-5 (Rev. 12/1/2022) AN EQUAL EMPLOYMENT OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER

Page 2
1122 N. Cole Avenue

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2020 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. All conditions of the above referenced Department approval letter(s) that are specifically related to the current shall apply except as specifically modified herein.
2. Unsurcharged temporary excavations over 5 feet exposing soil shall be trimmed back at a gradient not exceeding 1:1, as recommended. Steeper trims are not approved without additional justifying calculations.
3. Footings along the west side of the proposed building may be founded in native soils, as recommended.

ALAN DANG
Structural Engineering Associate II

AD/ad
Log No. 124445
213-482-0480

cc: Geotechnical Engineering Division, Project Consultant
LA District Office

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
Grading Division

District _____ Log No. 124445

APPLICATION FOR REVIEW OF TECHNICAL REPORTS

INSTRUCTIONS
A. Address all communications to the Grading Division, LADBS, 201 N. Figueroa St., 3rd Fl., Los Angeles, CA 90012 Telephone No. (213)482-0480.
B. Submit two copies (three for subdivisions) of reports, one "pdf" copy of the report on a CD-Rom or flash drive, and one copy of application with items "1" through "10" completed.
C. Check should be made to the City of Los Angeles.

1. LEGAL DESCRIPTION — Tract: Colegrove (MR 53-10) Block: 17 Lots: 1
2. PROJECT ADDRESS: 1122 and 1160 North Cole Avenue
3. OWNER: Los Angeles Dept. of Recreation and Parks — Address: 221 N Figueroa Street, 4th Floor — City: LA Zip: 90012 — Phone (Daytime): (213) 485-4821
4. APPLICANT: City of Los Angeles, DPW, BOE, "GED" — Address: 1149 S Broadway — City: LA Zip: 90015 — Phone (Daytime): (213) 847-0476 — E-mail address: easton.forcier@lacity.org
5. Report(s) Prepared by:
6. Report Date(s): 12-8-22
7. Status of project: ☒ Proposed ☐ Under Construction ☐ Storm Damage
8. Previous site reports? ☒ YES — If yes, give date(s) of report(s) and name of company who prepared report(s): "GED" report dated 3-25-20 and supplemental report dated 11-4-20
9. Previous Department actions? ☒ YES — If yes, provide dates and attach a copy to expedite processing. Dates: Approval 6-17-20 Log No. 113311 and Approval 10-21-21 Log No. 119008
10. Applicant Signature: Easton Forcier Position: Geotechnical Engineer II

(DEPARTMENT USE ONLY)

REVIEW REQUESTED	FEES	REVIEW REQUESTED	FEES
☐ Soils Engineering		No. of Lots	
☐ Geology		No. of Acres	
☐ Combined Soils Engr. & Geol.		☐ Division of Land	
☒ Supplemental	181.50	Other	
☐ Combined Supplemental		☐ Expedite	
☐ Import-Export Route		☐ Response to Correction	
Cubic Yards:		☐ Expedite ONLY	
		Sub-total	
		One-Stop Surcharge	49.94
		TOTAL FEE	231.44

Fee Due: 231.44
Fee Verified By: AM Date: 12/9/22 (Cashier Use Only)

Los Angeles Department of Building and Safety
Metro 4th Floor 12/09/2022 12:46:58 PM
User ID: rkhachatryan
Receipt Ref Nbr: 2022343001-70
Transaction ID# 2022343001-80-1
GRADING REPORT $181.50
SYSTEMS DEV SURCH $10.69
BSN PLAN MAINT SURCH $12.71
DEV SERV CENTER SURCH $5.45
CITY PLAN SURCH $10.69
MISC OTHER $10.00
Amount Paid: $231.44
PCIS Number: NA
Job Address: 1122 & 1160 NORTH COLE AVE
Owners Name: LA DEPT OF RECREATION & PARKS

ACTION BY:
THE REPORT IS: ☐ NOT APPROVED ☐ APPROVED WITH CONDITIONS ☐ BELOW ☐ ATTACHED

For Geology _____ Date _____
For Soils _____ Date _____

PC-GMD.App21 (Rev 01/27/2016) Page 1 of 1 www.ladbs.org

IO STRUCTURAL TEST AND INSPECTIONS

IO-1 AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS WILL BE RETAINED BY THE OWNER TO PERFORM THE FOLLOWING TESTS AND INSPECTION. PROVIDE ACCESS AND FURNISH SAMPLES TO THE AGENCY AS REQUIRED BY THE CONTRACT DOCUMENTS.

IO-2 CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/ COMPONENT AS LISTED IN THE "STATEMENT OF SPECIAL INSPECTION" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH A SYSTEM OR COMPONENT PER 1704.4.

IO-3 IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S TESTING AGENCY REVEAL THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, AND NECESSARY REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.

IO-4 THE FOLLOWING ITEMS REQUIRE TESTS AND INSPECTIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE CHAPTER "STRUCTURAL TEST AND INSPECTIONS" OF THE CODE OF THE GOVERNING JURISDICTION AS NOTED IN THE GENERAL SECTION OF THESE GENERAL NOTES. AN "X" PRESENT IN COLUMN "C" INDICATES CONTINUOUS INSPECTION & "X" PRESENT IN COLUMN "P" INDICATES PERIODIC INSPECTION.

CONCRETE

	VERIFICATION AND INSPECTIONS	C	P
1.	INSPECTION OF REINFORCING STEEL, PRESTRESSING TENDONS, AND VERIFY PLACEMENTS.	-	X
2.	REINFORCING BAR WELDING:		
	A. VERIFY WELDIBILITY OF REINFORCING BARS OTHER THAN ASTM A706;	-	X
	B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND	-	X
	C. INSPECT ALL OTHER WELDS	X	-
3.	INSPECT ANCHORS CAST IN CONCRETE.	-	X
4.	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS.		
	A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	X	-
	B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4A.	-	X
5.	VERIFYING USE OF REQUIRED DESIGN MIX.	-	X
6.	PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-
7.	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-
8.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X
9.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF CONCRETE MEMBER BEING FORMED.	-	X

SO STRUCTURAL OBSERVATIONS

SO-1 NOTIFY THE ENGINEER AT SIGNIFICANT CONSTRUCTION STAGES 72 HOURS IN ADVANCE AND PROVIDE ACCESS FOR THE FOLLOWING STRUCTURAL OBSERVATIONS:

- A. FOUNDATIONS
  1. REINFORCEMENT
- B. STEEL FRAMING
  1. GENERAL
  2. BRACED FRAMES
- C. LIGHT-GAUGE METAL FRAMING
  1. GENERAL
  2. WALLS AND CEILINGS
- D. CONCRETE
  1. WALL REINFORCEMENT
  2. SLABS AND SLABS-ON-GRADE
- E. METAL DECK DIAPHRAGMS
  1. REINFORCEMENT

A COPY OF THE LARR AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.

COLD FORMED STEEL - LIGHT FRAME CONSTRUCTION

	VERIFICATION AND INSPECTIONS	C	P
1.	SHEARWALL HOLDOWNS AND SILL ANCHORS.	-	X
2.	SHEARWALL FASTENING WITH SPACING LESS THAN 4" OC.	-	X
3.	DIAPHRAGM FASTENING WITH SPACING LESS THAN 4" OC.	-	X
4.	STRAPS AT DIAPHRAGM INSTALLATION.	-	X
5.	WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC FORCE RESISTING SYSTEM.	-	X

SOILS

	VERIFICATION AND INSPECTIONS	C	P
1.	VERIFY MATERIALS BELOW SHALLOW FOUNDATION ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2.	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3.	PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4.	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5.	PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

STRUCTURAL STEEL

	VERIFICATION AND INSPECTIONS	C	P
1.	MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS:		
	A. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	X
	B. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X
2.	INSPECTION OF HIGH-STRENGTH BOLTING:		
	A. SNUG-TIGHT JOINTS.	-	X
	B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMAKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.	-	X
	C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMAKING OR CALIBRATED WRENCH METHODS OF INSTALLATION.	X	-
3.	MATERIAL VERIFICATION OF STRUCTURAL STEEL:		
	A. FOR STRUCTURAL STEEL IDENTIFICATION MARKINGS TO CONFORM TO AISC 360.	-	X
	B. FOR OTHER STEEL, IDENTIFICATION MARKINGS CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X
	C. MANUFACTURER'S CERTIFIED TESTS REPORT.	-	X
4.	MATERIAL VERIFICATION OF WELD FILLER MATERIALS:		
	A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.	-	X
	B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.	-	X
5. A	INSPECTION OF WELDING - STRUCTURAL STEEL:		
	1. COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS.	X	-
	2. MULTIPASS FILLET WELDS.	X	-
	3. SINGLE-PASS FILLET WELDS > 5/16".	X	-
	4. PLUG AND SLOT WELDS.	X	-
	5. SINGLE-PASS FILLET WELDS < 5/16".	-	X
	6. FLOOR AND ROOF DECK WELDS.	-	X
5. B	INSPECTION OF WELDING - REINFORCING STEEL:		
	1. VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	-	X
	2. REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEAR REINFORCEMENT.	X	-
	3. SHEAR REINFORCEMENT.	X	-
	4. OTHER REINFORCEMENT STEEL.	-	X
6.	INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE:		
	A. DETAILS SUCH AS BRACING AND STIFFENING.	-	X
	B. MEMBER LOCATIONS.	-	X
	C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.	-	X

NOUS ENGINEERING
5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@NOUSENGINEERING.COM

BUREAU OF ENGINEERING
OFFICIAL RECORD

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
S5593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

PUBLIC WORKS
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

SHEET TITLE: GENERAL NOTES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S0.01
SHEET 0 OF SHEETS

PLOTTED:11/1/2023 10:46:19 AM

CMC **COLD-FORMED METAL FRAMING - CONNECTIONS**

CMC-1 ANY PROPRIETARY CONNECTORS SHOWN HAVE BEEN SELECTED BASED ON SPECIFICATIONS AND CAPACITIES PUBLISHED BY THE MANUFACTURER. WELD DESIGN VALUES HAVE BEEN BASED ON THE LATEST EDITION OF THE AISI "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STRUCTURAL MEMBERS." ANY DEVIANCE FROM THE BRAND, TYPE, SIZE OR QUANTITY OF CONNECTORS INDICATED ON THESE DRAWINGS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

CMC-2 ALL POWER ACTUATED FASTENERS (PAFS) SHALL BE HILTI 0.157" DIA X-U, INSTALLED IN ACCORDANCE WITH ICC ESR-2269. FOR PAF'S INTO STEEL, STEEL SHALL HAVE ¼" MINIMUM THICKNESS. PAF'S INTO STEEL SHALL HAVE ½" MINIMUM EDGE DISTANCE AND 1" MINIMUM SPACING. PAF'S INTO CONCRETE SHALL HAVE 1 1/4" PENETRATION, 3" EDGE DISTANCE AND 4" SPACING (MIN).

CMC-3 PAF POINT MUST PENETRATE THROUGH FULL BASE STEEL THICKNESS. REFER TO PAF MANUFACTURER FOR INSTRUCTIONS WHERE FULL PENETRATION IS NOT ACHIEVED.

CMC-4 ALL SCREW ANCHORS SHALL BE HILTI KWIK HUS-EZ (KH-EZ) CARBON STEEL CONCRETE SCREW ANCHORS ICC-ES ESR-3027 OR APPROVED EQUIVALENT.

CMC-5 SCREW ANCHORS SET WITH AN IMPACT WRENCH TO ALSO BE TESTED PER THE RELIABILITY TEST SECTION 8.8.2.2.3 OF AC 193.

CMC-6 RE-USE OF SCREW ANCHORS OR SCREW ANCHOR HOLES IS NOT PERMITTED.

CMC-7 INSTALL SCREW ANCHORS IN DRY INTERIOR APPLICATIONS ONLY.

CMC-8 SHEET METAL FASTENERS:SHEET METAL SCREWS "SMS" SHALL BE "GRABBER" BRAND ICC ESR-1271 OR HILTI BRAND ICC ESR-2196 SELF-DRILLING/SELF-TAPPING SCREWS AND SHALL BE INSTALLED IN ACCORDANCE WITH ICC REPORT.

CMC-9 ALL SCREW CONNECTIONS ARE BASED ON AISI S100 SECTION J4, WHICH OUTLINES THE AISI SPECIFICATION PROVISIONS FOR SCREW CONNECTIONS.

CMC-10 FOR SCREWS, A MINIMUM OF 1.5 X SCREW DIAMETER CLEARANCE MUST BE MAINTAINED FROM ALL EDGES OF THE STEEL MEMBERS. A MINIMUM OF 3.0 X SCREW DIAMETER ON CENTER SPACING MUST BE MAINTAINED BETWEEN ADJACENT SCREWS.

CMC-11 ALL SHEET METAL SCREWS SHALL BE #10 UON AND PROTRUDE THROUGH STEEL FRAMING THE LARGER OF 1/4 INCH OR 3 EXPOSED FULL-DIA THREADS.

CMC-12 ATTACH EACH STUD TO TRACK W/ (1) #10 SMS, EACH FLANGE, UNLESS OTHERWISE NOTED ON DRAWINGS.

CMC-13 SCREWS SHOWN IN DETAILS ARE HEX-HEAD SCREWS. PAN HEAD SCREWS TO BE USED WHERE FLUSH FINISHES ARE REQUIRED.

CMC-14 IF REQUIRED, ALL WELDED CONNECTIONS ARE TO BE PERFORMED IN ACCORDANCE WITH THE LATEST VERSION OF AWS D1.3-98 SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES. CONSULT AWS D19.0 WELDING ZINC COATED STEEL & ANSI STANDARD Z49.1 FOR INFORMATION REGARDING SAFE WELDING PROCEDURES.

CMC-15 MINIMUM WELD THROAT THICKNESS (T) MUST MATCH OR EXCEED THE BASE STEEL THICKNESS OF THE THINNEST CONNECTED PART UNLESS NOTED OTHERWISE.

CMC-16 IN WELDING, THE ZINC COATING ON STEEL FRAMING WILL BE BURNED AWAY; THEREFORE, A ZINC RICH PAINT MUST BE APPLIED TO THE WELD AREA TO PROVIDE CORROSION RESISTANCE.

AD-M **MECHANICAL ANCHORS IN HARDENED CONCRETE**

AD-M1 EXPANSION ANCHOR SYSTEM (CONCRETE): HILTI KWIK BOLT TZ (ICC ESR-1917 & LARR 25701) OR SIMPSON STRONG BOLT II (ICC ESR-3037 & LARR 25891). USE ONLY EXPANSION ANCHOR SYSTEMS THAT HAVE BEEN PRE-QUALIFIED IN ACCORDANCE WITH THE PROVISIONS OF ICC ES AC193, APPROVED FOR USE IN CRACKED CONCRETE AND RECOGNIZED WITH ANCHOR CATEGORY 1 LISTINGS. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC ESR FOR THE SPECIFIC ANCHOR.

AD-M2 UNDERCUT ANCHOR SYSTEM (CONCRETE): HILTI HDA (ICC ESR-1546). USE ONLY UNDERCUT ANCHOR SYSTEMS THAT HAVE BEEN PRE-QUALIFIED IN ACCORDANCE WITH THE PROVISIONS OF ICC ES AC193, APPROVED FOR USE IN CRACKED CONCRETE AND RECOGNIZED WITH ANCHOR CATEGORY 1 LISTINGS. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC ESR FOR THE SPECIFIC ANCHOR.

AD-M3 WHERE THE MANUFACTURER'S INSTALLATION INSTRUCTIONS OR APPLICABLE ICC ESR CALL OF THE APPLICATION OF AN INSTALLATION TORQUE SHALL BE APPLIED WITH A CALIBRATED TORQUE WRENCH. FOLLOWING ATTAINMENT OF 10% OF THE SPECIFIED TORQUE, 100% OF COMPLETE TURNS OF THE NUT. THE SPECIFIED INSTALLATION TORQUE SHALL NOT BE EXCEEDED.

AD-M4 USE OF ZINC-COATED CARBON STEEL ANCHORS IS LIMITED TO DRY, INTERIOR LOCATIONS, UNLESS OTHERWISE NOTED. PROVIDE STAINLESS STEEL ANCHORS FOR APPLICATIONS EXPOSED TO EXTERIOR WEATHER CONDITIONS.

AD-M5 WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE. USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE-OR POST-TENSIONED) LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. EXERCISE EXTREME CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE TENDONS DURING INSTALLATION. MAINTAIN WHICH EVER IS GREATER, BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.

AD-M6 IF REBAR:

- A. IF THE ANCHOR MAY BE SHIFTED, FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. THE MINIMUM CLEAR SPACING BETWEEN AN ABANDONED HOLE AND A DRILLED HOLE USED FOR A POST INSTALLED ANCHOR SHALL NOT BE LESS THAN 1-1/2 ANCHOR DIAMETERS UNLESS OTHERWISE APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND OSHPD.
- B. IF THE ANCHOR LOCATION MAY NOT BE SHIFTED, CORE AN OVERSIZED HOLE AT THE DIRECTION OF THE ENGINEER OF RECORD AND INSTALL AN APPROVED ADHESIVE ANCHOR IN PLACE.

AD-M7 IF THE CONCRETE CRACKS DURING THE INSTALLATION OF THE ANCHOR. THE ANCHOR SHALL BE REMOVED.

AD-M8 POWER ACTUATED FASTENERS SHALL BE "HILTI" PER ICC ESR-2269 & LARR 25684 OR SIMPSON STRONG TIE (ICC-ES ESR-2138 & LARR 25469).

BASE MATERIAL	FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DISTANCE
STEEL	X-U	3/8"	1/2"
CONCRETE	X-U	1"	3"

AD-M9 PROVIDE LEAD HOLE 40% - 70% OF THREADED SHANK DIAMETER AND FULL DIAMETER FOR SMOOTH SHANK PORTION.

AD-C **ADHESIVE ANCHORS AND REBAR IN HARDENED CONCRETE**

AD-C1 ADHESIVE ANCHORS SYSTEM IN CONCRETE: HILTI HIT-RE 500-V3 (ICC ESR-3814 & LARR 26028) AND SIMPSON STRONG TIE SET-XP (ICC-ES ESR 2508 & LARR 25744). USE ONLY ADHESIVE ANCHOR SYSTEMS THAT HAVE BEEN PRE-QUALIFIED IN ACCORDANCE WITH THE PROVISIONS OF ICC ES AC306, APPROVED FOR USE IN CRACKED CONCRETE. ANCHOR SYSTEMS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE ICC ES EVALUATION SERVICES REPORT TO THE SPECIFIC ANCHOR.

AD-C2 ADHESIVE ANCHORS IN UNREINFORCED MASONRY: SIMPSON STRONG TIE "SET" (ICC-ES ESR-1772 & LARR 25279).

AD-C3 REMOVE GREASE, OIL, RUST AND ANY OTHER LAITANCE FROM RODS AND DOWELS PRIOR TO INSTALLATION.

AD-C4 ALL HOLES FOR POST-INSTALLED ANCHORS SHALL BE DRILLED, CLEANED, AND PREPARED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR THE APPLICABLE ICC ESR. ALL DEBRIS SHALL BE REMOVED BY IN-HOLE BRUSHING COMBINED WITH VACUUM OR OIL-FREE COMPRESSED AIR. JETTING HOLES WITH WATER IS NOT PERMITTED.

AD-C5 WHERE AN ANCHOR DOES NOT SET PROPERLY, OR REINFORCEMENT IS ENCOUNTERED DURING DRILLING, THE DRILLED HOLE MAY NOT BE REUSED. ABANDONED HOLES SHALL BE FILLED WITH NON-SHRINK GROUT. THE MINIMUM CLEAR SPACING BETWEEN AN ABANDONED HOLE AND A DRILLED HOLE USED FOR A POST INSTALLED ANCHOR SHALL NOT BE LESS THAN 1 1/2 ANCHOR DIAMETERS UNLESS OTHERWISE APPROVED BY THE ENFORCEMENT AGENCY. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER OF RECORD WILL DETERMINE A NEW LOCATION.

AD-S **SCREW ANCHORS IN HARDENED CONCRETE**

AD-S1 SCREW ANCHOR SYSTEM: HILTI KWIK HUS-EZ CARBON STEEL SCREW ANCHORS (ICC ESR-3027 & LARR 25897) OR SIMPSON STRONG TIE "TITEN-HD" (ICC-ES ESR-2713 & LARR 25714).

AD-S2 INSTALL ANCHORS IN DRY INTERIOR APPLICATIONS ONLY.

AD-S3 ANCHORS MAY NOT BE ATTACHED TO UNDERSIDE OF A BEAM, SLAB, OR METAL DECK W/ CONCRETE FILL.

AD-S4 RE-USE OF SCREW ANCHORS OR SCREW ANCHOR HOLES IS NOT PERMITTED.

AD-S5 SCREW ANCHORS SET WITH AN IMPACT WRENCH TO ALSO BE TESTED PER THE RELIABILITY TEST SECTION 8.8.2.2.3 OF AC 193.

AD-S6 SCREWS TO BE TESTED PER TEST REQUIREMENTS FOR EXPANSION ANCHORS EXCEPT AS NOTED.

- A. SCREW ANCHORS MAY BE LOOSENED A MAX. OF ONE FULL TURN TO FACILITATE THE POSITIONING OF A TEST COLLAR. FOLLOWING THE TENSION TEST, THE ANCHOR SHALL BE RE-TORQUED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- B. TEST LOADS(TWICE MAX. ALLOWABLE LOAD OR ONE AND QUARTER TIMES MAX. DESIGN STRENGTH OF ANCHORS AS PROVIDED IN THE ICC ESR).
- C. TESTING WITH TORQUE WRENCH IS NOT PERMITTED.

AD-S7 TEST RESULTS TO BE REVIEWED BY SPECIAL INSPECTOR AND ENGINEER OF RECORD.

AD-S8 TESTS TO BE DONE AT CONTRACTOR'S EXPENSE.

SS **STRUCTURAL STEEL**

SS-1 AISC CERTIFIED FABRICATOR OR LADBS LICENSED FABRICATOR IS REQUIRED FOR ALL STRUCTURAL STEEL.

SS-2 FABRICATE AND ERECT STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATION FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS." WELDED CONNECTIONS TO CONFORM TO AWS D1.1.

SS-3 HOT DIP GALVANIZE IN ACCORDANCE WITH ASTM A123 AND ASTM A153 STRUCTURAL STEEL AND FASTENERS THAT ARE PERMANENTLY EXPOSED TO THE WEATHER. REPAIR GALVANIZING AFTER WELDING IN ACCORDANCE WITH ASTM A780.

SS-4 STRUCTURAL STEEL AND CONNECTIONS EXPOSED TO VIEW IN THE COMPLETE BUILDING ARE DESIGNATED ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS).

SS-5 ARC-WELDING ELECTRODE / FILLER METALS TO BE LOW HYDROGEN TYPES E7XTX, E7XTXX OR E70XXX MINIMUM AS APPLICABLE. DEMAND CRITICAL WELDS, WHERE NOTED AS "DC", SHALL BE MADE WITH A FILLER METAL CAPABLE OF PROVIDING A MINIMUM CHARPY V-NOTCH (CVN) TOUGHNESS OF 20 FT-LB (27J) AT -20°F (-29°C), AS DETERMINED BY THE APPROPRIATE AWS CLASSIFICATION TEST METHOD, AND 40 FT-LB (54J) AT 70°F (21°C), WHEN THE STEEL FRAME IS NORMALLY ENCLOSED AND MAINTAINED AT A TEMPERATURE OF 50°F (10°C) OR HIGHER.

SS-6 WELDERS TO BE CERTIFIED BY AWS . ALL SHOP WELDS MUST BE PERFORMED IN AN AWS CERTIFIED OR LADBS LICENSED FABRICATORS SHOP.

SS-7 WHERE FIELD WELDING IS NOTED, THE DESIGNATION IS GIVEN AS A SUGGESTED CONSTRUCTION PROCEDURE ONLY.

SS-8 FIELD WELDING TO BE DONE BY WELDERS CERTIFIED BY AWS OR THE LADBS FOR STRUCTURAL STEEL. CONTINUOUS SPECIAL INSPECTION BY DEPUTY INSPECTOR IS REQUIRED.

SS-9 PROVIDE NATURAL CAMBER UP, UNLESS OTHERWISE NOTED, EXCEPT AT CANTILEVERS. AT CANTILEVERS PROVIDE CAMBER SUCH THAT TIP OF CANTILEVER IS ABOVE FINAL ELEVATION.

SS-10 SPLICE MEMBERS ONLY WHERE INDICATED.

SS-11 STRUCTURAL STEEL TO CONFORM TO THE FOLLOWING UNLESS OTHERWISE NOTED:

SECTION	MATERIAL TYPE
ROLLED SHAPES	
WIDE FLANGES AND WT	ASTM A992, GR50
CHANNELS, ANGLES & OTHER	ASTM A36
PLATES	
COLUMN BASE PLATES	ASTM A572, GR 50
BRACE GUSSET PLATES	ASTM A572, GR 50
BEAM COVER/SIDE PLATES	ASTM A36
COLUMN CONTINUITY PLATES	ASTM A572, GR 50
BEAM STIFFENER PLATES	ASTM A36
DECK CLOSURE PLATES	ASTM A36
OTHER, OUN	ASTM A572, GR 50
OTHER TYPES	
STEEL PIPE	ASTM A53, GRADE B
HOLLOW STRUCTURAL SECTION (HSS)	ASTM A500, GRADE B
STAINLESS STEEL SHAPES, PLATES AND BARS	ASTM A276
BOLTS	ASTM A325X
MACHINE BOLTS	ASTM A307
ANCHOR BOLTS / ANCHOR RODS	ASTM F1554, GR 36
THREADED AND HANGER ROD	ASTM A36
WELDED SHEAR CONNECTORS	ASTM A108 GRADE 1015 THROUGH 1020
NUTS FOR BOLTS AND MACHINE BOLTS	ASTM A563
HARDENED WASHERS	ASTM F436
UNHARDENED WASHERS	ASTM F844
PLAIN WASHERS	ANSI B18.22.1
BEVELED WASHERS	ANSI B18.23.1

DK **METAL DECKING**

DK-1 STRUCTURAL PROPERTIES OF STEEL DECK SYSTEM SHALL EQUAL OR EXCEED THE PROPERTIES LISTED IN TYPICAL DETAILS.

DK-2 DECK SHALL HAVE A MINIMUM OF 2" BEARING AT ALL SUPPORTING MEMBERS (MEMBERS) PERPENDICULAR TO DECK SPAN), AND 1 1/2" AT ALL PARALLEL MEMBERS.

DK-3 PROVIDE BENT PLATE CLOSURE PIECES AT ALL INTERIOR AND EXTERIOR EDGES OF DECK UNLESS OTHERWISE NOTED. SEE TYPICAL DETAILS.

DK-4 OPENINGS THROUGH DECKING SHOWN ON FRAMING PLANS ARE NOT COMPLETE AS TO NUMBER, SIZE AND LOCATION. FOR COMPLETE INFORMATION REFER TO DRAWINGS OTHER THAN STRUCTURAL.

DK-5 USE STRENGTHENING AT OPENINGS AS SHOWN IN TYPICAL DETAILS (AS APPLICABLE) UNLESS OTHERWISE NOTED. PROVIDE STRENGTHENING BEFORE CUTTING OPENING.

DK-6 FOR SPECIAL DECK OPENING CONDITIONS NOT COVERED IN TYPICAL DETAILS, SUBMIT LAYOUT OF OPENINGS AND PROPOSED REINFORCING OF DECK FOR REVIEW.

DK-7 MULTIPLE OPENINGS WITH A CLEAR DISTANCE LESS THAN THREE TIMES THE SIZE OF THE LARGER OPENING TO BE TREATED AS A SINGLE GROUP OPENING.

DK-8 IF OPENING IS CUT PRIOR TO FILL PLACEMENT, PROVIDE CLOSURE PIECES AND SHORING AS REQUIRED.

DK-9 FOR SINGLE OPENING THROUGH DECK THAT CUTS ONLY ONE WEB AND IS 4" SQ OR 4" DIA MAXIMUM, NO STRENGTHENING IS REQUIRED.

DK-10 SEE MECHANICAL / PLUMBING DRAWINGS FOR DETAILS OF UTILITIES SUSPENDED FROM THE CONCRETE AND STEEL DECK SYSTEM. POINT LOADS TO THE DECK FROM THESE DETAILS SHALL NOT EXCEED 100 LBS PER HANGER. IN ADDITION, LOADS ON HANGERS SHALL BE DISTRIBUTED IN SUCH A MANNER THAT THE TRIBUTARY LOADS FOR EACH HANGER SHALL NOT EXCEED [THE SUPERIMPOSED DEAD LOADS] [5 LBS PER SQ FT].

DK-11 THE FIRST SHEET OF STEEL DECKING ADJACENT & PARALLEL TO PERIMETER WF BEAMS & WF BEAMS WITH MOMENT CONNECTIONS AT EACH END, SHALL BE A FULL WIDTH SHEET.

DK-12 ALL FLOOR AND ROOF DECK TO BE GALVANIZED IN ACCORDANCE WITH ASTM A653 COATING CLASS g60. REPAIR DAMAGED COATING.

DK-13 WHERE POSSIBLE, LAYOUT METAL DECK TO SPAN AT LEAST THREE SPANS CONTINUOUSLY. TERMINATE ENDS OVER SUPPORTS EXCEPT AT OPENINGS OR BUILDING EDGES WHERE METAL DECKS MAY BE CANTILEVERED AS SHOWN.

CM **COLD-FORMED METAL FRAMING**

CM-1 COLD-FORMED STEEL CONSTRUCTION SHALL CONFORM TO THE CODE AND THE AISI S100 "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS",

CM-2 COLD-FORMED STEEL FRAMED SHALL BE GALVANIZED AND CONFORM TO ASTM A-653. MINIMUM 50,000 PSI YIELD POINT FOR 18 GAUGE (54MIL) AND HEAVIER AND MINIMUM 33,000 PSI YIELD POINT FOR 18 GAUGE (43MIL) AND LIGHTER.

CM-3 DIMENSIONS, PROPERTIES, AND TYPES NOTED ARE BASED ON THE STEEL STUD MANUFACTURERS ASSOCIATION, ICC ER-3064P.

CM-4 ANY DIMENSIONAL INFORMATION SHOWN IS INCLUDED FOR ENGINEERING PURPOSES ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BUILDING WITH A/E AND MEP DRAWINGS AND TO COMPLY WITH ALL OTHER REQUIREMENTS OF THE CONTRACT DOCUMENTS.

CM-5 ALL LOAD BEARING, LIGHT GAGE STRUCTURAL STUDS, AND TRACK SHALL BE OF THE TYPE, SIZE, GAGE, AND SPACING SHOWN ON THE PLANS.

CM-6 ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY OR AT AN ANGLE TO FIT SQUARELY AGAINST ABUTTING MEMBERS. SPLICING OF AXIALLY LOADED MEMBERS SHALL NOT BE PERMITTED. MEMBERS SHALL BE HELD FIRMLY IN PLACE UNTIL PROPERLY FASTENED. ATTACHMENTS OF SIMILAR COMPONENTS SHALL BE BY WELDING, SCREW ATTACHMENT, OR BOLTING. WIRE TYING OF COMPONENTS IS NOT PERMITTED.

CM-7 SPECIAL ANCHORAGE REQUIREMENTS REQUIRED FOR WIND AND SEISMIC BRACING SHALL BE AS SHOWN ON THE PLANS.

CM-8 MEMBERS SHALL NOT BE SPLICED OTHER THAN AT THE LOCATIONS INDICATED ON THE DRAWINGS. ALL SPLICES SHALL CONFORM TO THE DETAILS IN THE DRAWINGS.

CM-9 CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF STRUCTURAL COMPONENTS WHERE MEMBERS ATTACH.

CM-10 TEMPORARY BRACING SHALL BE PROVIDED & REMAIN IN PLACE UNTIL WORK IS COMPLETELY STABILIZED.

CM-11 NO NOTCHING OR COPING OF STUDS IS ALLOWED, UNLESS STATED WITHIN THIS DRAWING PACKAGE.

CM-12 DESIGN ASSUMES CONDITIONS TO BE STABILIZED AND IN FINAL LOCATIONS. TEMPORARY BRACING (BY OTHERS) OR OTHER MEANS OF STABILIZATION MAY BE REQUIRED UNTIL FRAMING IS IN ITS STABLE AND FINAL CONDITION.

CM-13 PER AISI S240 STANDARD FOR COLD-FORMED FRAMING – WALL DESIGN, THE MAXIMUM ALLOWABLE GAP (MEASURED BETWEEN THE WEB OF THE STUD AND OF THE TRACK) FOR A STUD SEATED IN A TRACK IS ¼" FOR NON-AXIAL LOAD BEARING CONDITIONS AND 1/8" FOR AXIAL LOAD BEARING CONDITIONS, UON. PRESSURE SHOULD BE APPLIED NEXT TO THE STUDS INTO THE TRACKS UNTIL THE TOLERANCES LISTED ABOVE ARE ACHIEVED. FAILURE TO DO SO COULD RESULT IN SERVICEABILITY PROBLEMS IN THE FUTURE.

CC **CAST IN PLACE CONCRETE**

CC-1 PROPORTION, MIX, TRANSPORT, AND PLACE CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE," UON.

CC-2 CONCRETE IS REINFORCED AND CAST-IN-PLACE UNLESS OTHERWISE NOTED. WHERE REINFORCING IS NOT SPECIFICALLY SHOWN OR WHERE DETAILS ARE NOT GIVEN, PROVIDE REINFORCING SIMILAR TO THAT SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.

CC-3 ROUGHEN CONCRETE SURFACES OF CONSTRUCTION JOINTS TO 1/4 INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES. LOCATE CONSTRUCTION JOINTS AS SHOWN ON THE DRAWINGS. SUBMIT ALTERNATE JOINT LOCATIONS OR JOINTS NOT SHOWN TO THE OWNER'S REPRESENTATIVE FOR REVIEW AND APPROVAL PRIOR TO PROCEEDING WITH THE WORK.

CC-4 AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING CONCRETE, ROUGHEN CONTACT SURFACES TO 1/4 INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES.

CC-5 AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING MASONRY, THOROUGHLY ROUGHEN CONTACT SURFACES BY LIGHT SANDBLASTING OR OTHER SUITABLE MEANS AND CLEAN OF LAITANCE, FOREIGN MATTER, AND LOOSE PARTICLES.

CC-6 REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF ADDITIONAL CONCRETE CURBS AND HOUSEKEEPING PADS NOT SHOWN.

CC-7 CONTINUOUSLY MOIST CURE CONCRETE SLABS-ON-GRADE FOR 7 DAYS MINIMUM. WATER FOG SPRAYS, PONDING, SATURATED ABSORPTIVE COVERS, OR MOISTURE RETAINING COVERS MAY BE USED. CURING COMPOUNDS CAN BE USED BASED ON SATISFACTORY PERFORMANCE ON PREVIOUS APPLICATIONS. CONTRACTOR TO SUBMIT SPECIFICATIONS FOR REVIEW AND APPROVAL.

CC-8 NON-SHRINK GROUT: NON-METALLIC AGGREGATE TYPE, COMPLYING WITH ASTM C1107 AND CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 7,000 PSI AT 28 DAYS.

CC-9 CONCRETE TYPES:

CLASS	LOCATION	28 DAY f'c	TYPE	W/C RATIO	MAX AGGREGATE SIZE
A	SHALLOW FOUNDATIONS, SLAB ON GRADE,PEDESTALS,WALLS, MISC CURBS, PADS, ETC.	3000 PSI	NORMAL WEIGHT	0.45	3/4"
B	FILL ON METAL DECK	3000 PSI	LIGHT WEIGHT	0.45	3/4"

CC-10 CONCRETE CLEAR COVER TO REINFORCING BARS IS AS FOLLOWS:

LOCATION	CLEAR COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	
- ALL BARS	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
- #6 THROUGH #18 BARS	2"
- #5 BAR, W31 OR D31 WIRE, AND SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	
- SLABS, WALLS, JOISTS: #14 AND #18 BARS	1 1/2"
- SLABS, WALLS, JOISTS: #11 AND SMALLER	3/4"
- BEAMS, COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS AND HOOPS	1 1/2"

RE **REINFORCING STEEL**

RE-1 FABRICATE AND PLACE REINFORCING STEEL IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING CONCRETE REINFORCING" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE," UON.

RE-2 ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT FROM DISPLACING DUE TO FORMWORK, CONSTRUCTION, OR CONCRETE PLACEMENT OPERATIONS. LOCATE AND SUPPORT REINFORCING BY METAL CHAIRS, RUNNERS, BOLSTERS, SPACERS, AND HANGERS AT A MAXIMUM 3-FOOT SPACING.

RE-3 MECHANICAL COUPLERS: LENTON THREADED OR INTERLOCK COUPLERS BY ERICO (IAPMO UES ER-0129 & LARR 24507), OR EXTENDER BY HEADED REINFORCEMENT CORPORATION (ICC ESR-2764 & LARR 25347). COUPLERS FOR BEAM AND SLAB BARS AT FORMED CONSTRUCTION JOINTS MAY BE LENTON FORM SAVERS BY ERICO (IAPMO ER-0188 & LARR 25893).

RE-4 WELD REINFORCING STEEL IN ACCORDANCE WITH AWS D1.4 USING QUALIFIED WELDERS.

RE-5 TERMINATE REINFORCING STEEL IN STD HOOKS, UNLESS OTHERWISE SHOWN.

RE-6 PROVIDE REINFORCING SHOWN OR NOTED CONTINUOUS IN LENGTHS AS LONG AS PRACTICABLE.

RE-7 REINFORCING STEEL #8 AND LARGER AND ALL REINFORCING STEEL TO BE WELDED TO BE ASTM A706, 60KSI. ALL OTHER REINFORCING STEEL TO BE ASTM A615, 60KSI.

RE-8 SMOOTH DOWELS IN SLAB ON GRADE TO BE ASTM A36, 36KSI.

FW **FORMWORK**

FW-1 DESIGN AND CONSTRUCT FORMWORK IN ACCORDANCE WITH ACI 347 "RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE," UON.

FW-2 REMOVE FORMS AND SHORES IN ACCORDANCE WITH THE FOLLOWING:

A. 48 HOURS: FORMS FOR FOOTINGS, PILE CAPS, AND GRADE BEAMS

B. 72 HOURS: FORMS FOR COLUMNS, WALLS, AND SIDE FORMS FOR BEAMS AND GIRDERS

C. 7 DAYS, AND f'c=3,500 PSI MIN: BOTTOM FORMS AND SHORES FOR MILDLY REINFORCED SLABS, BEAMS, AND GIRDERS

FW-3 PROVIDE POUR POCKETS IN FORMS AND UNDER EXISTING STRUCTURAL MEMBERS AS REQUIRED TO PREVENT AIR POCKETS AND/OR "HONEYCOMB" UNDER OR AROUND THE EXISTING MEMBERS. CONCRETE CAST WITH AIR POCKETS AND/OR "HONEYCOMB" UNDER OR AROUND THE MEMBERS IS NOT ACCEPTABLE.

FW-4 PROVIDE 3/4 INCH x 3/4 INCH CHAMFER STRIPS ON ALL EXTERNAL CORNERS OF BEAMS, COLUMNS, AND WALLS, UON.

FW-5 PROVIDE CURING WHERE FORMS ARE REMOVED IN LESS THAN 7 DAYS, INCLUDING BUT NOT LIMITED TO WALLS, COLUMNS, AND UNDERSIDE OF ELEVATED SLABS.

MR **UNIT MASONRY**

MR-1 MINIMUM COMPRESSIVE STRENGTH OF MASONRY, f'm EQUAL TO 1500 PSI AT 28 DAYS.

MR-2 MASONRY UNITS: ASTM C-90, GRADE N, TYPE 1, MEDIUM WEIGHT, HOLLOW, LOAD BEARING UNITS. MINIMUM COMPRESSIVE STRENGTH: 1900 PSI.

MR-3 MORTAR: ASTM C-270, TYPE S.

MR-4 GROUT:ASTM C-476, MINIMUM COMPRESSIVE STRENGTH: 2000 PSI.

MR-5 REINFORCING BAR LAP: 65 BAR DIAMETERS, WHERE MULTIPLE BARS ARE INSTALLED IN CELL OR COURSE, STAGGER LAPS A MINIMUM OF 2'-0".

MR-6 CENTER VERTICAL REINFORCING IN WALL UNLESS OTHERWISE NOTED.

MR-7 LAY UNITS IN RUNNING BOND AND MAINTAIN VERTICAL CONTINUITY OF CORES OR CELL CAVITIES. USE OPEN END UNITS AT LOCATIONS OF VERTICAL REINFORCING. PLACE HORIZONTAL REINFORCING IN BOND BEAM UNITS.

MR-8 FILL ALL CELLS SOLIDLY WITH GROUT. CLEAN CELLS AND BOND BEAMS OR MORTAR PROTRUSIONS AND DEBRIS BEFORE GROUTING.

MR-9 DOWELS FROM THE FOUNDATION TO MATCH SIZE AND LOCATION OF VERTICAL REINFORCING IN MASONRY, UNLESS OTHERWISE NOTED.

MR-10 PROVIDE VERTICAL CONTROL JOINTS IN THE WALLS AT LOCATIONS SHOWN ON THE DRAWINGS.

MR-11 LOW-LIFT GROUTING: LAY UNITS MAXIMUM OF 2 FEET HIGH BEFORE GROUTING. PLACE GROUT IN A CONTINUOUS PLACEMENT GROUT LIFTS NOT EXCEEDING 2 FEET. COMPLETELY GROUT THE FULL HEIGHT OF THE WALL SECTION IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR.

MR-12 HIGH-LIFT GROUTING: LAY UNITS A MAXIMUM OF 12 FEET HIGH BEFORE GROUTING. PLACE GROUT IN A CONTINUOUS PLACEMENT IN GROUT LIFTS NOT EXCEEDING 4 FEET. COMPLETELY GROUT THE FULL HEIGHT OF THE WALL SECTION IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN ONE HOUR. PROVIDE CLEANOUTS AT EVERY CELL ALONG THE BOTTOM COURSE OF EACH GROUT LIFT. USE SIKA GROUT AID TYPE II OR E-Z MIX ADMIXTURE IN THE GROUT TO REDUCE EARLY WATER LOSS AND PRODUCE AN EXPANSIVE ACTION.

MR-13 STRUCTURAL PROPERTIES OF STEEL DECK SYSTEM SHALL EQUAL OR EXCEED THE PROPERTIES LISTED IN TYPICAL DETAILS.

MR-14 PROVIDE THE FOLLOWING MINIMUM CLEARANCES:

LOCATIONS	CLEARANCES
BETWEEN REINFORCING AND INSIDE FACE OF MASONRY UNITS	1/2" CLEAR
BETWEEN PARALLEL BARS	1/2" CLEAR
EMBEDDED BOLTS	1/2" CLEAR ALL AROUND

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
OFFICIAL RECORD

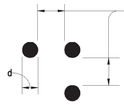
CUS
5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213 627 8888
HELLO@CUSENGINEERING.COM

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BU



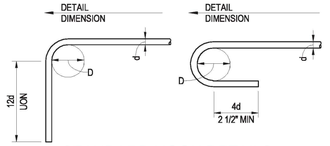
A BAR SPACING FOR NON-SPLICED BARS



B BAR SPACING FOR BARS SPLICED WITH A NON-CONTACT LAP

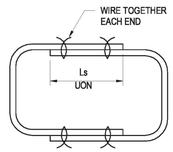
13 BAR SPACING IN CONCRETE

NOT TO SCALE

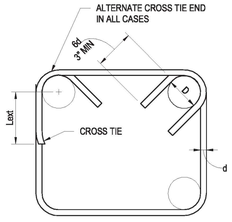


A STANDARD HOOK DETAILS

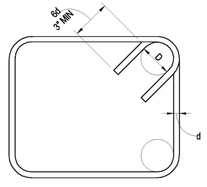
FOR DEFORMED BARS IN TENSION:
D = 6d FOR #3 THRU #8 BARS
D = 8d FOR #9 THRU #11 BARS
D = 10d FOR #14 AND #18 BARS



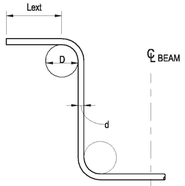
B TWO PIECE STRAIGHT BAR CLOSED STIRRUP



C TWO-PIECE BEAM TIE



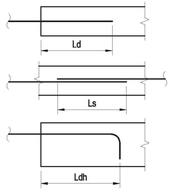
D BEAM AND COLUMN CLOSED TIE



E BEAM & JOIST STIRRUP

CONCRETE REINFORCING DEVELOPMENT & SPLICING LENGTHS (IN) FOR f'c = 3.0 KSI																													
CONDITION	CONCRETE TYPE	REINFORCING BAR SIZE																											
		#3			#4			#5			#6			#7			#8			#9			#10			#11		
		Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh	Ld	Ls	Ldh
THICKNESS OF FRESH CONCRETE PLACED BELOW HORIZONTAL REINFORCEMENT > 12"																													
A & B	NWC	21	28	8	28	37	11	36	46	14	43	56	16	62	81	19	71	93	22	80	104	25	90	118	28	100	131	31
C	NWC	32	42	8	43	56	11	53	69	14	64	83	16	93	121	19	107	139	22	120	157	25	136	176	28	151	196	31
THICKNESS OF FRESH CONCRETE PLACED BELOW HORIZONTAL REINFORCEMENT ≤ 12"																													
A & B	NWC	16	21	8	22	28	11	27	36	14	33	43	16	48	62	19	55	71	22	62	80	25	70	90	28	77	100	31
C	NWC	25	32	8	33	43	11	41	53	14	49	64	16	72	93	19	82	107	22	93	120	25	104	136	28	116	151	31

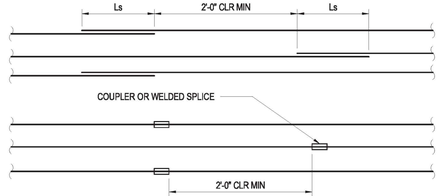
NOTES:
1. YIELD STRENGTH OF REINFORCEMENT = 60 KSI
2. UNCOATED OR ZINC-COATED (GALVANIZED) REINFORCEMENT
3. VALUES SHOWN FOR NORMAL WEIGHT CONCRETE ONLY, MULTIPLY BY 1.3 FOR LIGHTWEIGHT.
4. MORE THAN 12" OF CONCRETE CAST BELOW THE BARS ARE MOST TOP BARS. LESS THAN 12" OF CONCRETE CAST BELOW HORIZONTAL BARS ARE ALL VERTICAL BARS AND MOST BOTTOM BARS.
5. Ld = DEVELOPMENT LENGTH (ACI 318-14 TABLE 25.4.2.2)



Ls = LAP SPLICE LENGTH (ACI 318-14 TABLE 25.5.2.1)

Ldh = HOOK DEVELOPMENT LENGTH (ACI 318-14 25.4.3)

6. WHEN SPLICING BARS OF DIFFERENT SIZE, USE LAP SPLICE LENGTH OF LARGER BAR, UON.
7. STAGGER SPLICES AS INDICATED ON DRAWINGS.

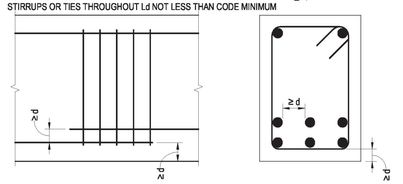


NOTE: WHERE COUPLER OR WELDED SPLICE CAN DEVELOP 125% OF THE YIELD STRENGTH OF THE REINFORCING BAR, STAGGERING OF THE SPLICES IS NOT REQUIRED.
8. Ls VALUES MAY BE REDUCED IF CLASS A SPLICE IS USED, SEE ACI 318-14 TABLE 25.5.2.1
9. Ldh VALUES MAY BE REDUCED, SEE ACI 318-14 25.4.3

NOTE: TABULATED VALUES FOR BEAMS OR COLUMNS ARE BASED ON TRANSVERSE REINFORCEMENT MEETING MINIMUM CODE REQUIREMENTS.

CONDITION A

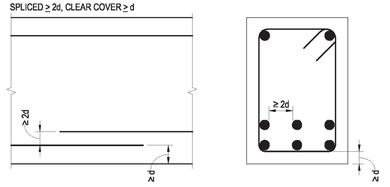
CLEAR SPACING OF BARS OR WIRES BEING DEVELOPED OR LAP SPLICED ≥ d, STIRRUPS OR TIES THROUGHOUT Ld NOT LESS THAN CODE MINIMUM



ELEVATION SECTION

CONDITION B

CLEAR SPACING OF BARS OR WIRES BEING DEVELOPED OR LAP SPLICED ≥ 2d, CLEAR COVER ≥ d



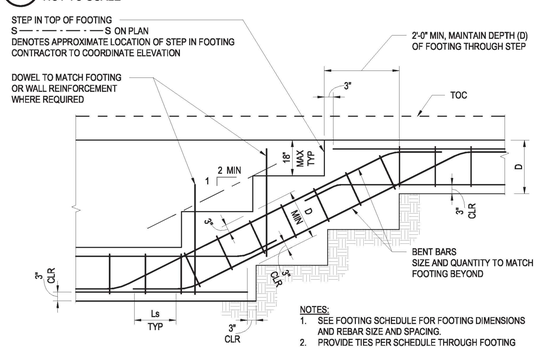
ELEVATION SECTION

CONDITION C

OTHER CASES

10 BAR BENDING DETAIL

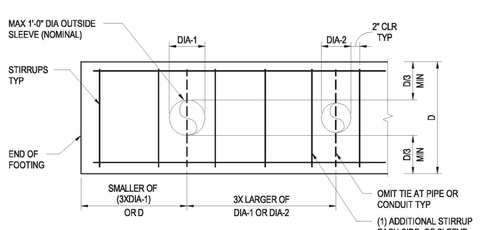
NOT TO SCALE



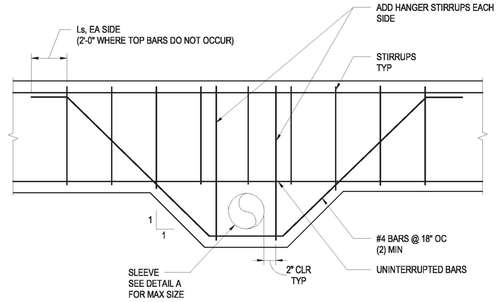
NOTES:
1. SEE FOOTING SCHEDULE FOR FOOTING DIMENSIONS AND REBAR SIZE AND SPACING.
2. PROVIDE TIES PER SCHEDULE THROUGH FOOTING STEPS AS SHOWN.

6 REINFORCING DEVELOPMENT & SPLICE LENGTHS

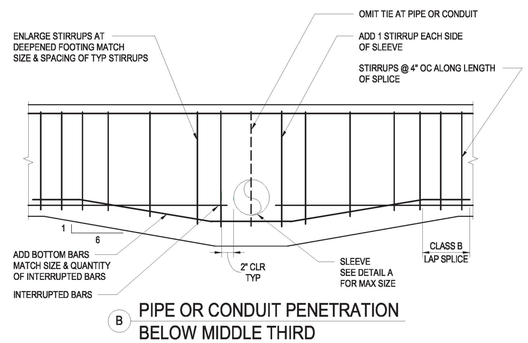
NOT TO SCALE



A PIPE OR CONDUIT PENETRATION THROUGH MIDDLE THIRD

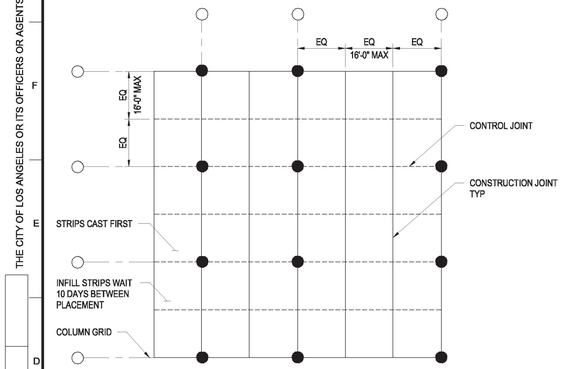


C PIPE OR CONDUIT BELOW BOTTOM REINFORCEMENT



B PIPE OR CONDUIT PENETRATION BELOW MIDDLE THIRD

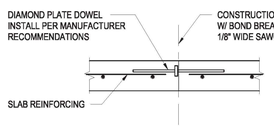
NOTES:
1. DO NOT CUT REINFORCING AT DETAIL A OR C, ONLY CUT INTERRUPTED REINFORCING AT DETAIL B.
2. PROVIDE MINIMUM 2" CLEAR BETWEEN SLEEVE AND REINFORCING.
3. SEE DETAIL 1 ON THIS SHEET FOR SLEEVE-TO-PIPE/CONDUIT CLEARANCE & INFO NOT NOTED.
4. CAULK SEAL GAP AT SLEEVE-TO-PIPE/CONDUIT INTERFACE ON EXTERIOR SIDE OF FOOTING.
5. IF PIPE OR CONDUIT PENETRATION OCCURS AT EITHER TOP OR BOTTOM REBAR SPLICE LOCATION PROVIDE (2) ADDITIONAL SHEAR STIRRUPS FOR A TOTAL OF 4 SHEAR STIRRUPS ON EACH SIDE OF PENETRATION.
6. IF PIPE OR CONDUIT SLEEVE IS ASTM A53 SCHEDULE 40 OR GREATER PIPE, ADDITIONAL STIRRUPS MAY BE ELIMINATED. SLEEVE SHALL BE GALVANIZED.



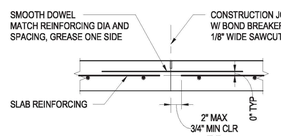
CONSTRUCTION JOINT AT SLAB ON GRADE

15

NOT TO SCALE



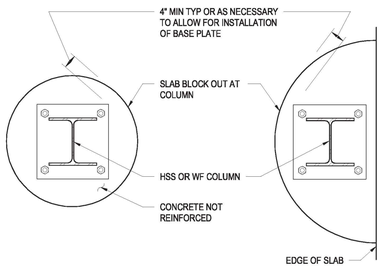
A CONSTRUCTION JOINT SLAB ON GRADE ≥ 5" THICK



B CONSTRUCTION JOINT SLAB ON GRADE < 5" THICK

11 STEPS IN CONTINUOUS FOOTING

NOT TO SCALE



C PLAN-SLAB BLOCKOUT AT COLUMN

D PLAN-SLAB BLOCKOUT AT EDGE COLUMN

NOTES:
1. EITHER CONTROL OR CONSTRUCTION JOINTS SHALL BE LOCATED NO FURTHER THAN 36 x SLAB THICKNESS UNLESS A SMALLER SPACING IS INDICATED ON DRAWINGS. ASPECT RATIO OF ENCLOSED AREA SHALL NOT EXCEED 1.5. SUBMIT LAYOUT FOR APPROVAL. LOCATE JOINTS ON COLUMN LINES AND UNDER PARTITIONS WHEREVER POSSIBLE. MAXIMUM SLAB AREA CONTROLLED BY JOINTING IS 400 SQ FT SAWCUT SHALL BE MADE AS SOON AS POSSIBLE AFTER SLAB FINISHING AS MAY SAFELY BE DONE WITHOUT DISLODGING AGGREGATE OR BREAKING EDGES, FILL SAWCUT JOINT WITH SEALANT AFTER SLAB HAS CURED.

JOINT LAYOUT

16 SLAB ON GRADE CONSTRUCTION JOINT AND BLOCKOUT PREPARATION

NOT TO SCALE

8 CONTINUOUS FOOTINGS - PENETRATIONS

NOT TO SCALE

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE IN THE REPORTS DATED 3-25-20 AND 12-8-22 EASTON FORCIER, GE 2948

BUREAU OF ENGINEERING
OFFICIAL RECORD

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.8888
HELLO@OSBORNEFIRM.COM

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TYPICAL CONCRETE DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. S0.10

SHEET OF SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date
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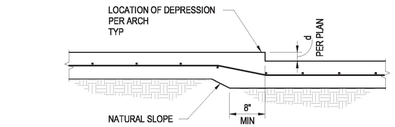
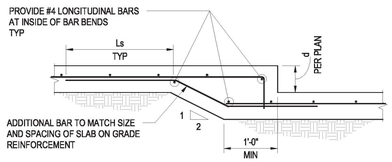
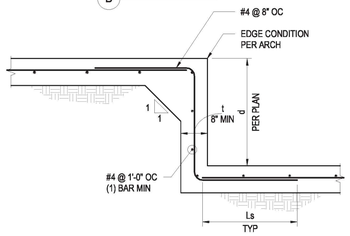


A 'd' ≤ 3"



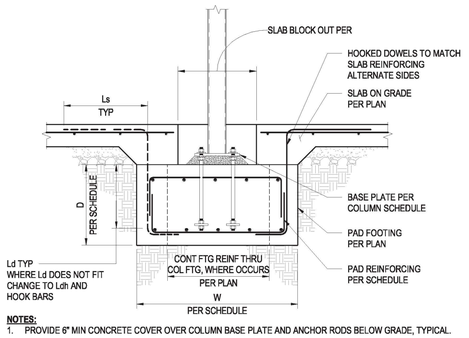
B 3" < 'd' ≤ 12"



C 12" < 'd' ≤ 42"

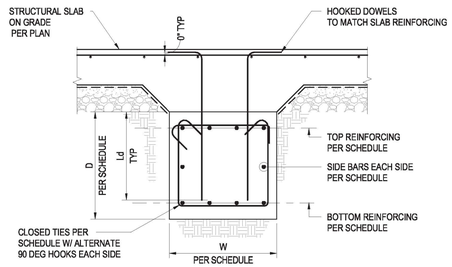
NOTES:
1. COORDINATE LOCATION, DEPTH, EXTENT, AND EDGE CONDITIONS OF DEPRESSIONS WITH ARCHITECTURAL DRAWINGS.

10 SLAB ON GRADE DEPRESSION
3/4" = 1'-0"

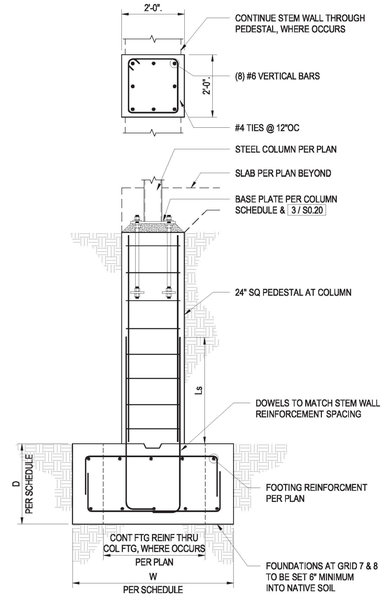


NOTES:
1. PROVIDE 6" MIN CONCRETE COVER OVER COLUMN BASE PLATE AND ANCHOR RODS BELOW GRADE, TYPICAL.

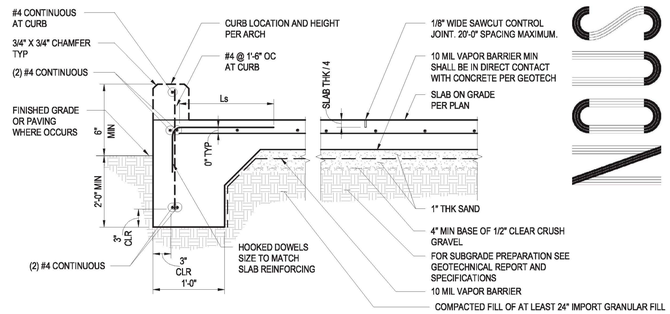
5 STEEL COLUMN PAD FOOTING
NOT TO SCALE



6 GRADE BEAM - INTERIOR
NOT TO SCALE

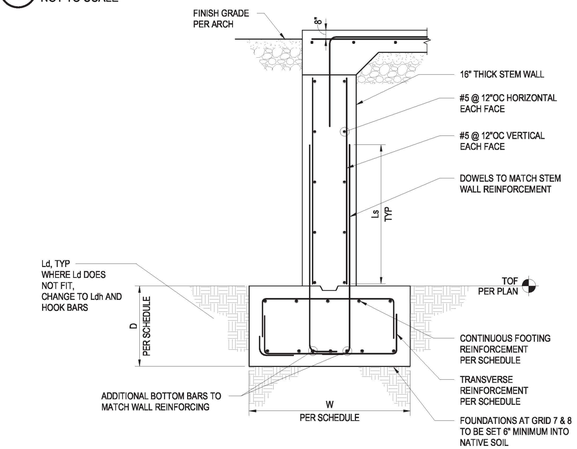


8 STEEL COLUMN DEEPENED PAD FOOTING
NOT TO SCALE

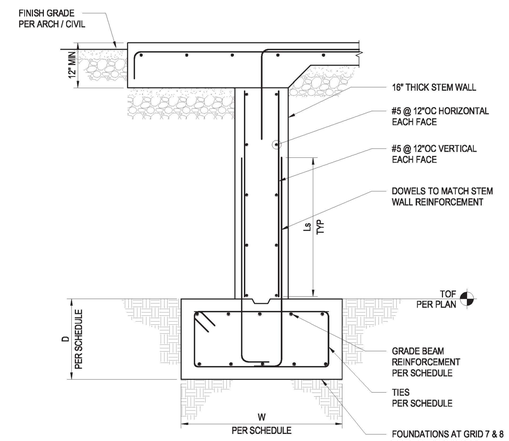


A EDGE OF SLAB ON GROUND B SLAB-ON-GROUND

1 SLAB ON GRADE & CONTROL JOINT
NOT TO SCALE



2 CONCRETE WALL DEEPENED CONTINUOUS FOOTING
NOT TO SCALE



4 CONCRETE WALL DEEPENED GRADE BEAM
NOT TO SCALE

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BUREAU OF ENGINEERING
OFFICIAL RECORD

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213 627 1888
HELLO@OSBORNEFIRM.COM

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. RP-300126
BUILDING NO. -

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
LIC. NO.: C12115

ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CITY OF LOS ANGELES
Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TYPICAL CONCRETE DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S0.11
SHEET 0 OF SHEETS

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SHEET ISSUE DATE:: 10/23/20
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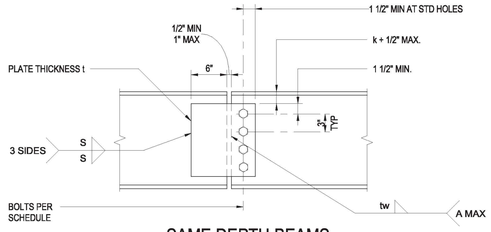
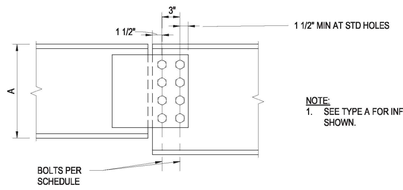


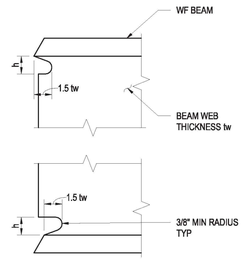
A SAME DEPTH BEAMS



NOTE:
1. SEE TYPE A FOR INFO NOT SHOWN.

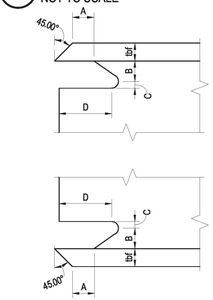
B UNEQUAL DEPTH BEAMS

NOTE:
1. FOR WELD, BOLTS, AND SHEAR PLATE SEE BEAM CONNECTION SCHEDULE (FOR LARGER BEAM).



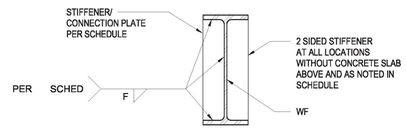
NOTES:
1. tw IS THE BEAM WEB THICKNESS.
2. h = 1.5 tw, BUT NOT LESS THAN 1", NOR GREATER THAN 2"

5 WELD ACCESS HOLES AT WF BEAMS (GRAVITY)
NOT TO SCALE



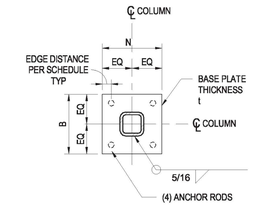
NOTES:
1. PER FEMA-350 FIGURE 3-5
2. LARGER OF tbf OR 1/2", (plus 0.5tbf, or minus 0.25tbf)
3. 3/4tbf to tbf, 3/4" MIN (± 1/4")
4. 3/8" MIN RADIUS
5. 3 * tbf (± 1/2")

6 WELD ACCESS HOLES AT WF BEAMS (SEISMIC)
NOT TO SCALE

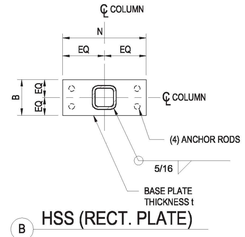


LOCATION	PLATE SIZE	WELD SIZE F
W12 & SMALLER	1/4"	1/8"
W18 THRU W14	3/8"	3/16"
W36 THRU W21	1/2"	1/4"
STAIR STRINGER CONNECTIONS	3/8"	3/16"

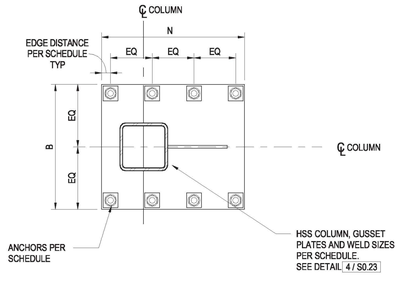
NOTES:
1. USE THIS DETAIL WHERE PLATES OR STIFFENERS ARE SHOWN BUT NOT DETAILED.
2. WELD TO BE MAX OF AWS MIN AND SCHEDULE SIZE.



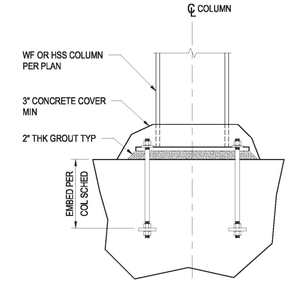
A HSS (SQUARE PLATE)



B HSS (RECT. PLATE)



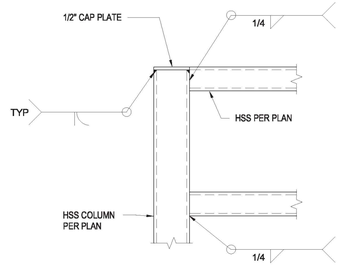
C HSS (SCBF)



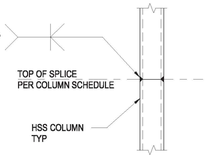
TYPICAL EDGE DISTANCE SCHEDULE	
ANCHOR ROD DIA	EDGE DISTANCE
3/4"	1 1/2"
7/8"	2"
1"	2 1/4"
1 1/4"	2 3/8"
1 1/2"	2 5/8"
1 3/4"	3"
2"	3 1/2"
2 1/2"	4"

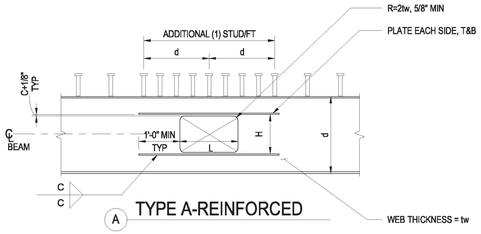
NOTES:
1. BASE PLATE SIZE, THICKNESS AND ANCHOR RODS PER COLUMN SCHEDULE.
2. ANCHOR RODS, OVERSIZED HOLE AND WASHER REQUIREMENTS PER TYPICAL ANCHOR ROD DETAIL.

13 BOLTED BEAM SPLICE
NOT TO SCALE

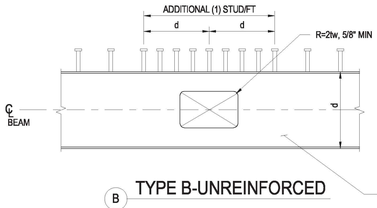


14 HSS BEAM TO HSS CONNECTION
1" = 1'-0"





A TYPE A-REINFORCED

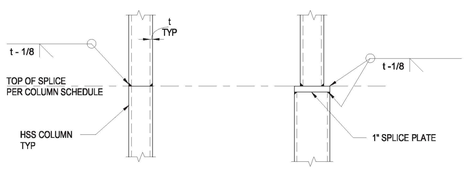


B TYPE B-UNREINFORCED

NOTES:
1. FOR OPENING SIZE HxL, LOC AND TYPE, SEE PLAN.
2. DETAILS SIMILAR AT CIRCULAR OPENINGS.
3. CENTER OPENING IN WEB UON ON PLAN.

BEAM PENETRATION SCHEDULE				
TYPE	PLATE SIZE	C		COMMENTS
A	PLATE 3/4"X2"	1/4"		
B	NOT REQD	-		

15 HSS COLUMN SPLICE (FRAME)
NOT TO SCALE

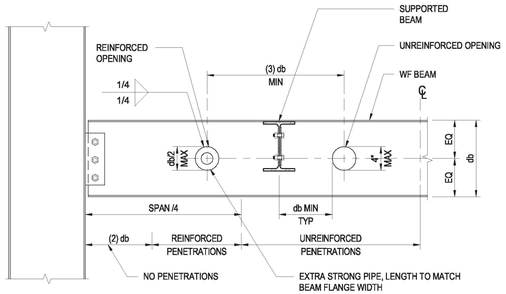


A EQUAL DEPTH AND WIDTH

B UNEQUAL DEPTH AND/OR WIDTH

NOTES:
1. DETAIL SIMILAR AT LOCATIONS WITH ALIGNED EDGES.

11 RECTANGULAR HOLE PENETRATION IN BEAM WEB
NOT TO SCALE



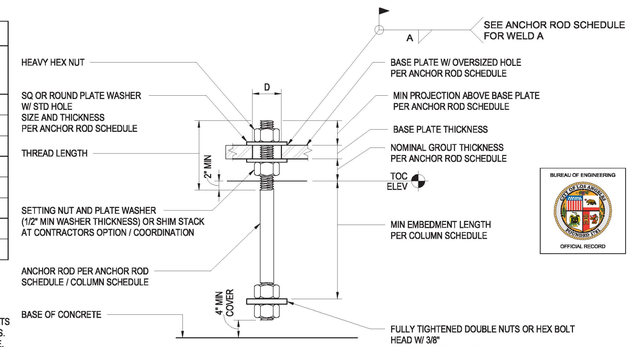
NOTES:
1. COORDINATE BEAM PENETRATION LOCATIONS WITH OTHER DISCIPLINES.
2. SUBMIT BEAM PENETRATIONS NOT SPECIFICALLY LOCATED ON THE STRUCTURAL DRAWINGS FOR APPROVAL.

7 STIFFENER CONNECTION PLATE
NOT TO SCALE

3 STEEL COLUMN BASE PLATES
NOT TO SCALE

ANCHOR ROD SCHEDULE								
MARK	ANCHOR ROD DIA	MAX ANCHOR ROD HOLE D/A D*	MIN WASHER SIZE	MIN WASHER THICKNESS	MIN PROJECTION ABOVE BASE PLATE	NOMINAL GROUT THICKNESS	WELD A	REMARKS
A	3/4"	1 5/16"	2"	1/4"	3"	2"	1/4	
B	7/8"	1 9/16"	2 1/2"	5/16"	3 1/2"	2"	1/4	
C	1"	1 13/16"	3"	3/8"	3 1/2"	2"	1/4	
D	1 1/4"	2 1/16"	3"	1/2"	4"	2"	3/8	
E	1 1/2"	2 5/16"	3 1/2"	1/2"	4"	2"	3/8	
F	1 3/4"	2 3/4"	4"	5/8"	5"	2"	1/2	
G	2"	3 1/4"	5"	3/4"	5"	2"	1/2	
H	2 1/2"	3 3/4"	5 1/2"	7/8"	5 1/2"	2"	3/4	

NOTES:
1. WHERE WELD A IS NOT SHOWN, TACK-WELD AS REQUIRED FOR ERECTION.
2. D* = RECOMENDED MAXIMUM ANCHOR ROD HOLE DIAMETER PER AISC TABLE 14-2.
3. CIRCULAR OR SQUARE WASHERS MEETING THE WASHER SIZE ARE ACCEPTABLE.
4. CLEARANCE MUST BE CONSIDERED WHEN CHOOSING AN APPROPRIATE ANCHOR ROD HOLE LOCATION. NOTING EFFECTS SUCH AS POSITION OF THE ROD IN THE HOLE WITH RESPECT TO THE COLUMN, WELD SIZE, AND OTHER INTERFERENCES.
5. WHEN BASE PLATES ARE LESS THAN 1 1/4" THICK, PUNCHING OF HOLES MAY BE AN ECONOMICAL OPTION. IN THIS CASE, 3/4" ANCHOR RODS AND 1 1/16" DIAMETER PUNCHED HOLES MAY BE USED WITH ASTM F844 (USS STANDARD) WASHER IN PLACE OF FABRICATED PLATE WASHERS.



16 HSS COLUMN SPLICE (GRAVITY)
NOT TO SCALE

12 ROUND HOLE PENETRATION IN BEAM WEB
NOT TO SCALE

8 ANCHOR ROD DETAIL AND SCHEDULE
NOT TO SCALE

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TTLB TEMPLATE REVISION DATE: 06/30/2016
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REVISION DATES (DESIGN STAGE ONLY)

LOS ANGELES
5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@LOSENGINEERING.COM

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

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BUILDING NO. -

INDEX NO. RP-300126

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CITY OF LOS ANGELES

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TYPICAL STEEL DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S0.20
SHEET 0 OF SHEETS

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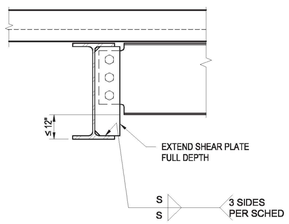
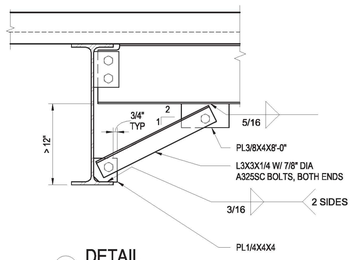


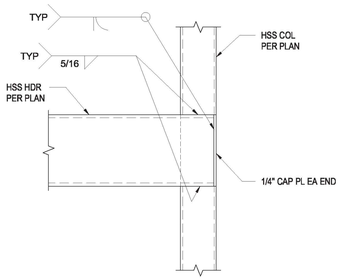
A DETAIL



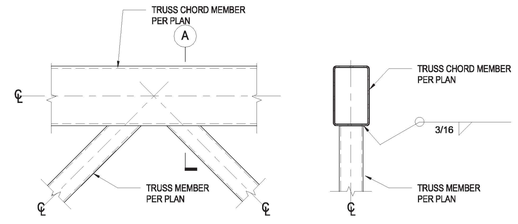
B DETAIL

NOTES:
1. SUPPORT BOTTOM FLANGE W/ SHEAR PLATE OR BRACE WHERE SHOWN THUS: F ON PLAN.
2. FOR INFO NOT SHOWN OR NOTED, SEE BEAM CONNECTION SCHEDULE AND TYPICAL STEEL BEAM DETAILS.

14 FLANGE BRACE
1" = 1'-0"

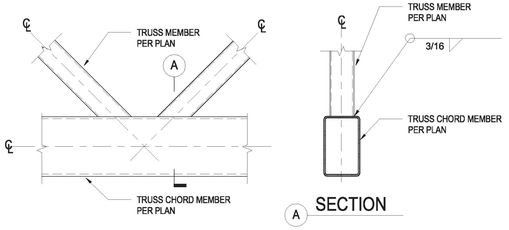


15 KALWAL HEADER TO COL CONNECTION
1 1/2" = 1'-0"



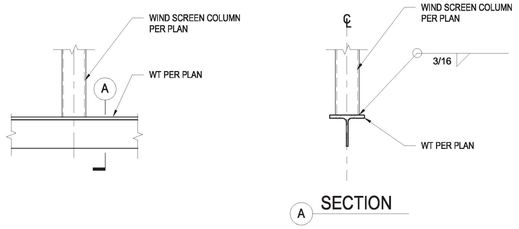
A SECTION

9 TRUSS TOP CHORD CONNECTION
NOT TO SCALE



A SECTION

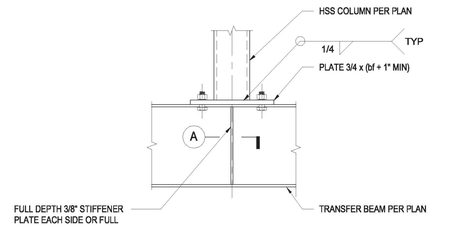
10 TRUSS BOTTOM CHORD CONNECTION
NOT TO SCALE

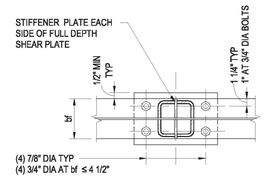


A SECTION

NOTE: SIMILAR CONNECTION FOR WIND SCREEN COLUMN TO WIDE FLANGE BEAM

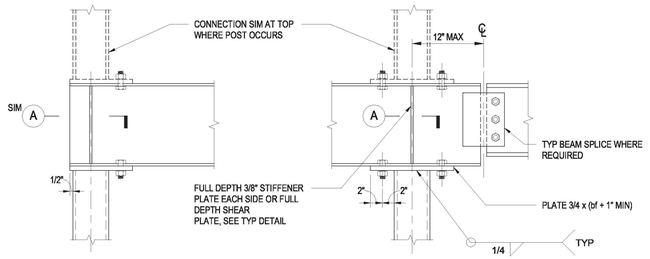
11 WIND SCREEN COLUMN TO WT
NOT TO SCALE



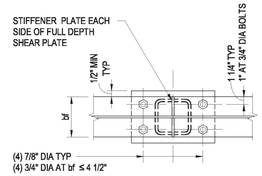


A SECTION

5 HSS COLUMN TO TRANSFER BEAM
NOT TO SCALE

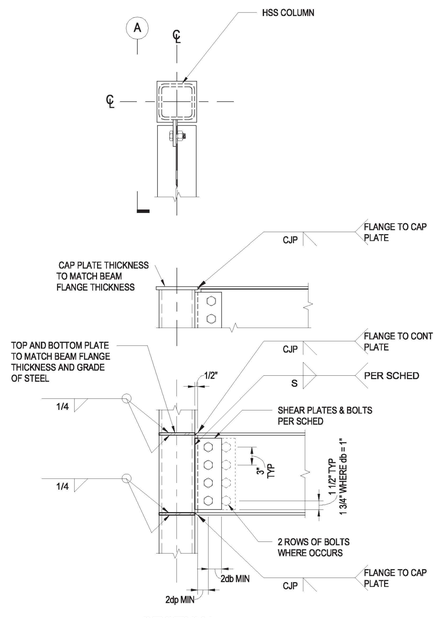


PERIMETER INTERIOR



A SECTION

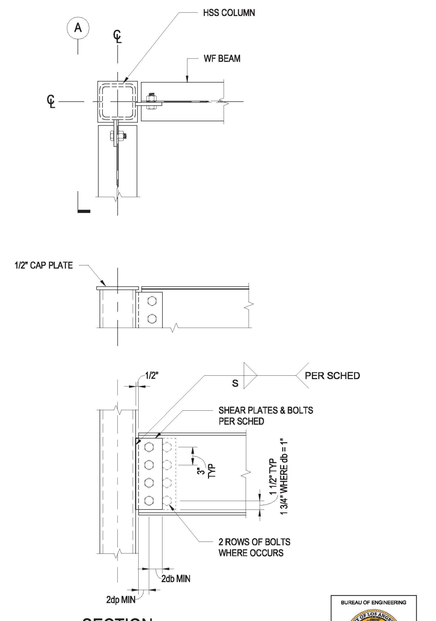
6 SEATED WF BEAM TO HSS COLUMN
NOT TO SCALE



A SECTION

NOTES:
1. PERPENDICULAR FRAMING NOT SHOWN FOR CLARITY
2. db DENOTES BOLT DIA.
3. FOR INFORMATION NOT SHOWN SEE BEAM CONNECTION SCHEDULE

8 BEAM TO HSS COLUMN MOMENT CONNECTION
NOT TO SCALE



A SECTION

NOTES:
1. PERPENDICULAR FRAMING NOT SHOWN FOR CLARITY
2. db DENOTES BOLT DIA.
3. FOR INFORMATION NOT SHOWN SEE BEAM CONNECTION SCHEDULE

4 BOLTED BEAM TO HSS COLUMN
NOT TO SCALE

BUREAU OF ENGINEERING
OFFICIAL RECORD

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@VOSSENGINEERING.COM

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BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER

DATE:	BY
Issue Date	
Issue Date	
Issue Date	
Issue Date	
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GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TYPICAL STEEL DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. S0.21

SHEET 0 OF SHEETS

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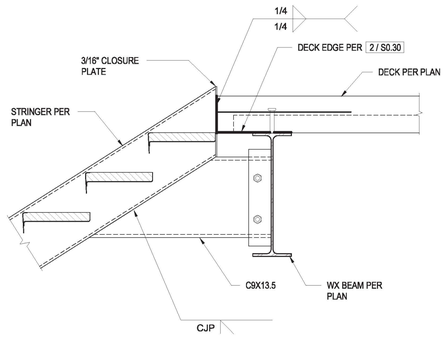
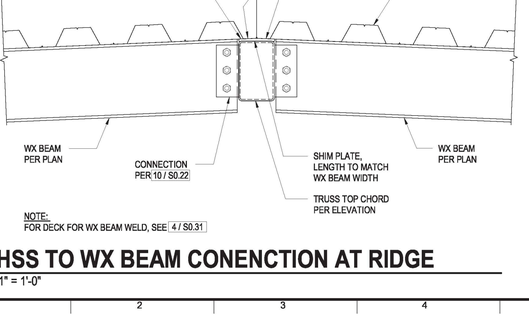
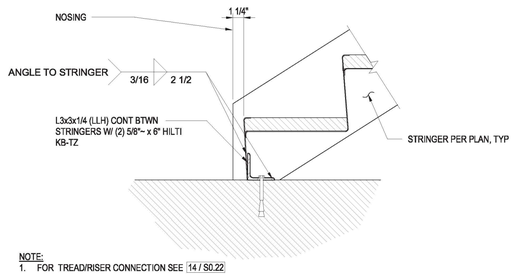


13 STRINGER TO FLOOR CONNECTION
NOT TO SCALE



14 TREAD/RISER CONSTRUCTION
NOT TO SCALE

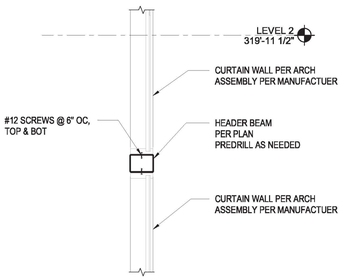


NOTE:
1. FOR TREAD/RISER CONNECTION SEE 14 / S0.22

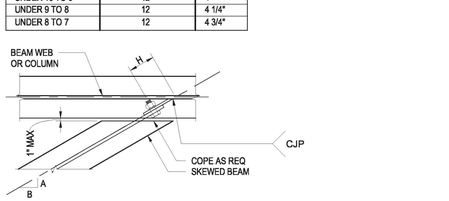
15 CONNECTION TO CONCRETE SLAB WITH ANCHOR
NOT TO SCALE

NOTE:
FOR DECK FOR WX BEAM WELD, SEE 4 / S0.31

16 HSS TO WX BEAM CONENCTION AT RIDGE
1" = 1'-0"



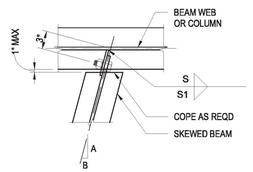
9 SECTION
1/2" = 1'-0"



10 STEEL BEAM TO HSS
NOT TO SCALE

SKEWED UP TO 15 DEG			
A	B	WELD SIZE S1	
		3/8" SHEAR PLATE	1/2" SHEAR PLATE
12	UP TO 1 5/8"	S + 1/16	S + 1/16
12	OVER 1 5/8" TO 2 1/8"	S + 1/16	S + 1/8
12	OVER 2 1/8" TO 3 1/4"	S + 1/8	S + 1/8

NOTES:
1. FOR WELD SIZE S, BOLTS AND SHEAR PLATE, SEE BEAM CONNECTION SCHEDULE AND TYPICAL BEAM DETAILS.
2. FOR OTHER SKEWED BEAM CONDITIONS, PROVIDE COMPLETE JOINT PENETRATION WELDS PER LARGE SKEW DETAIL.



SKEWED UP TO 15 DEG

SKEWED UP TO 60 DEG		
A	B	H
12	UP TO 9	3" MAX
12	OVER 9 TO 10	3 1/8"
12	OVER 10 TO 11	3 1/4"
12	OVER 11 TO 12	3 3/8"
UNDER 12 TO 11	12	3 5/8"
UNDER 11 TO 10	12	3 3/4"
UNDER 10 TO 9	12	4"
UNDER 9 TO 8	12	4 1/4"
UNDER 8 TO 7	12	4 3/4"

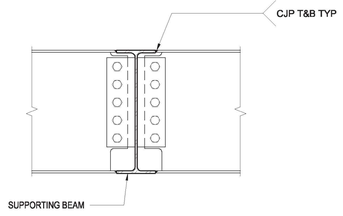
SKEWED UP TO 60 DEG

12 SKEWED BEAM CONNECTION - LARGE SKEWS
NOT TO SCALE

DEPTH OR SIZE OF SMALLER BEAM	ONE ROW OF BOLTS			TWO ROWS OF BOLTS		
	NO OF BOLTS, A325N UON (2)	SHEAR PLATE	WELD SIZE S (1)	NO OF BOLTS PER ROW, 7/8" DIA A325SC UON (2)	SHEAR PLATE	WELD SIZE S (1)
9", 10"	(2) 7/8" DIA	3/8"	1/4"	2	5/8"	7/16"
12", 14", C12, MC12	(3) 7/8" DIA	3/8"	1/4"	3	5/8"	7/16"
16"	(4) 7/8" DIA	3/8"	1/4"	4	5/8"	7/16"
18"	(4) 7/8" DIA	3/8"	1/4"	4	5/8"	7/16"
21"	(5) 7/8" DIA	3/8"	1/4"	5	5/8"	7/16"
24"	(6) 7/8" DIA	3/8"	1/4"	6	5/8"	7/16"

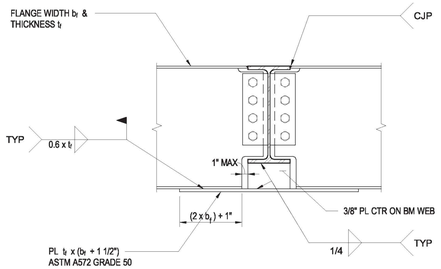
NOTES:
1. USE LARGER WELDS OR COMPLETE PENETRATION WELDS AT ALL SKEWED CONNECTIONS PER TYP DETAILS.
2. MARKS 2 — ON PLANS INDICATES 2 ROWS OF BOLTS. EACH ROW TO HAVE THE NUMBER OF BOLTS IN THE TABLE ABOVE. SPACE ROWS AT 3" OC.
3. MARKS F — ON PLANS INDICATES FLANGE BRACE PER 14 / S0.21
4. DEPTH OR SIZE CORRESPONDS TO THE SMALLEST BEAM, SEE TYPICAL DETAILS.
5. PROVIDE SLIP CRITICAL CONNECTIONS AT ALL SLRS FRAMING.

5 BEAM CONNECTION SCHEDULE
NOT TO SCALE



A BEAM WITH SAME DEPTH

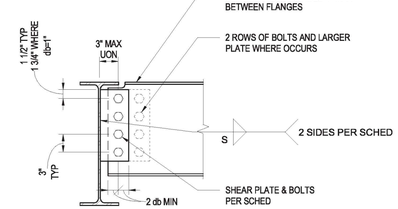
B BEAM WITH VARYING DEPTH



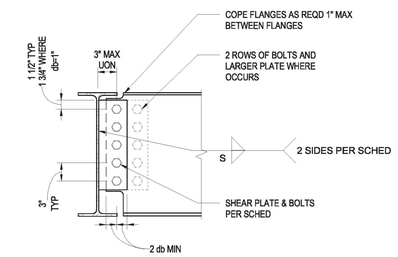
C DEEP SUPPORTED BEAM

NOTES:
1. FLANGE PLATE TO BE ASTM A572, GR 50.
2. NO ERECTION BOLTS ALLOWED IN FLANGE PLATES.
3. NOTED ON PLAN BY

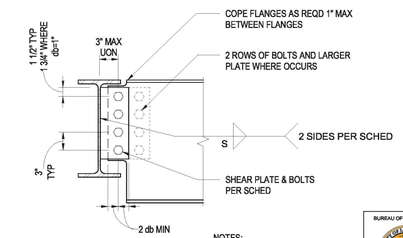
8 BEAM TO BEAM MOMENT CONNECTION
NOT TO SCALE



A SHALLOW SUPPORTED BEAM



B EQUAL DEPTH BEAMS



NOTES:
1. db DENOTES BOLT DIA.
2. FOR INFO NOT SHOWN SEE BEAM CONNECTION SCHEDULE

C DEEP SUPPORTED BEAM

4 BEAM TO BEAM CONNECTION
NOT TO SCALE

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@LOSSLRENGINEERING.COM

ENGINEERING
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REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
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PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
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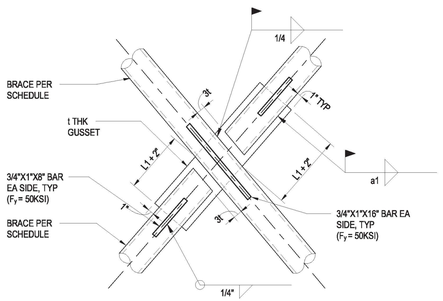
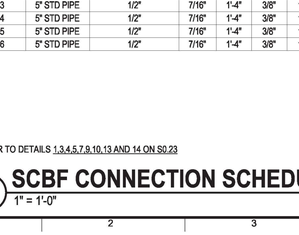


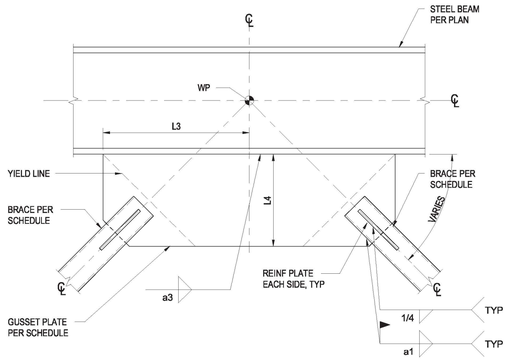
13 SCBF MID-SPAN CONN.
NOT TO SCALE



SHADED REGIONS INDICATE PROTECTED ZONES

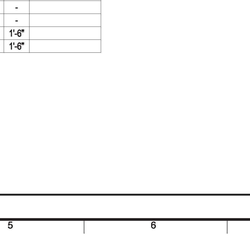
SCBF PROTECTED ZONES SHALL INCLUDE THE MID-SPAN OF THE BRACE AND CONNECTION ELEMENTS AND SHALL SATISFY THE REQUIREMENTS OF SECTION D1.3 OF THE AISC 341-10.

14 PROTECTED ZONES (X-BRACE)
NOT TO SCALE



NOTE:
1. REFER TO DETAIL 1 / S0.23 & SCBF BRACE CONNECTION SCHEDULE FOR INFORMATION NOT SHOWN.

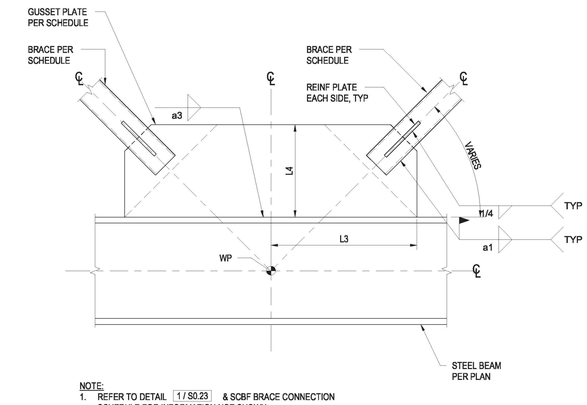
9 SCBF CONNECTION
NOT TO SCALE



SHADED REGIONS INDICATE PROTECTED ZONES

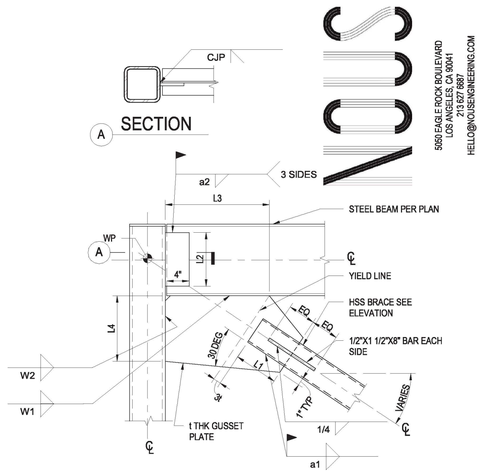
SCBF PROTECTED ZONES SHALL INCLUDE THE MID-SPAN OF THE BRACE AND CONNECTION ELEMENTS AND SHALL SATISFY THE REQUIREMENTS OF SECTION D1.3 OF THE AISC 341-10.

10 PROTECTED ZONES
NOT TO SCALE



NOTE:
1. REFER TO DETAIL 1 / S0.23 & SCBF BRACE CONNECTION SCHEDULE FOR INFORMATION NOT SHOWN.

5 SCBF CONNECTION
NOT TO SCALE



1 SCBF CONNECTION
NOT TO SCALE

NOTE:
1. REFER TO DETAIL 1 / S0.23 & SCBF BRACE CONNECTION SCHEDULE FOR WELDS AND ANY INFORMATION NOT SHOWN.

7 SCBF CONNECTION
NOT TO SCALE

NOTE:
1. REFER TO DETAIL 1 / S0.23 & SCBF BRACE CONNECTION SCHEDULE FOR INFORMATION NOT SHOWN.

3 SCBF CONNECTION
NOT TO SCALE

NOTES:
1. REFER TO DETAIL 1 / S0.23 & SCBF BRACE CONNECTION SCHEDULE FOR INFORMATION NOT SHOWN.
2. PROVIDE 2" OF COMPRESSIVE MATERIAL EACH SIDE OF GUSSET WHERE GUSSET INTERSECTS CONCRETE SLAB/DECK.

4 SCBF BASE CONNECTION
NOT TO SCALE

SCBF BRACE SCHEDULE

WT	BRACE SIZE	t, GUSSET PLATE THK (ASTM A572 GR.50)	a1	L1	a2	L2	a3	L3	a4	L4	a5	L5	a6	L6	REMARKS
SCBF1	4" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	-	-	-	-	
SCBF2	4" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	-	-	-	-	
SCBF3	5" STD PIPE	1/2"	7/16"	1'-4"	-	-	7/16"	1'-8"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF4	5" STD PIPE	1/2"	7/16"	1'-4"	-	-	7/16"	1'-8"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF5	4" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	-	-	-	-	
SCBF6	4" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	-	-	-	-	
SCBF7	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF8	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF9	6" STD PIPE	1/2"	7/16"	1'-6"	3/8"	12"	7/16"	3'-0"	7/16"	2'-0"	-	-	-	-	
SCBF10	6" STD PIPE	1/2"	7/16"	1'-6"	3/8"	12"	7/16"	3'-0"	7/16"	2'-0"	-	-	-	-	
SCBF11	6" XS PIPE	1/2"	7/16"	1'-6"	-	-	7/16"	3'-0"	7/16"	2'-0"	7/16"	1'-8"	7/16"	1'-6"	
SCBF12	6" XS PIPE	1/2"	7/16"	1'-6"	-	-	7/16"	3'-0"	7/16"	2'-0"	7/16"	1'-8"	7/16"	1'-6"	
SCBF13	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-6"	7/16"	2'-0"	-	-	-	-	
SCBF14	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-6"	7/16"	2'-0"	-	-	-	-	
SCBF15	5" STD PIPE	1/2"	7/16"	1'-4"	-	-	7/16"	2'-6"	7/16"	2'-0"	7/16"	1'-8"	7/16"	1'-6"	
SCBF16	5" STD PIPE	1/2"	7/16"	1'-4"	-	-	7/16"	2'-6"	7/16"	2'-0"	7/16"	1'-8"	7/16"	1'-6"	
SCBF17	4" XS PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	-	-	-	-	
SCBF18	4" XS PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	-	-	-	-	
SCBF19	4" XS PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF20	4" XS PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF21	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-0"	7/16"	1'-6"	-	-	-	-	
SCBF22	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-0"	7/16"	1'-6"	-	-	-	-	
SCBF23	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-0"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF24	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-0"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF25	4" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	-	-	-	-	
SCBF26	4" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	-	-	-	-	
SCBF27	4" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF28	4" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	1'-8"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF29	5" STD PIPE	1/2"	7/16"	1'-6"	3/8"	12"	7/16"	2'-6"	7/16"	1'-9"	-	-	-	-	
SCBF30	5" STD PIPE	1/2"	7/16"	1'-6"	3/8"	12"	7/16"	2'-6"	7/16"	1'-9"	-	-	-	-	
SCBF31	6" STD PIPE	1/2"	7/16"	1'-6"	3/8"	12"	7/16"	2'-6"	7/16"	1'-9"	7/16"	1'-8"	7/16"	1'-6"	
SCBF32	6" STD PIPE	1/2"	7/16"	1'-6"	3/8"	12"	7/16"	2'-6"	7/16"	1'-9"	7/16"	1'-8"	7/16"	1'-6"	
SCBF33	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-0"	7/16"	1'-6"	-	-	-	-	
SCBF34	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-0"	7/16"	1'-6"	-	-	-	-	
SCBF35	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-0"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	
SCBF36	5" STD PIPE	1/2"	7/16"	1'-4"	3/8"	12"	7/16"	2'-0"	7/16"	1'-6"	7/16"	1'-8"	7/16"	1'-6"	

NOTE:
1. REFER TO DETAILS 1,3,4,5,7,9,10,13 AND 14 ON S0.23

2 SCBF CONNECTION SCHEDULE
1" = 1'-0"

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.927.3988
HELLO@LOSENGINEERING.COM

BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
DATE:

ARCHITECT:	MICHAEL B. LEHRER, FAIA	LIC. NO.: C12115
	ARCHITECTURAL DIVISION	
DESIGNED BY:	TH	
DRAWN BY:	TC	
CHECKED BY:	OG	
APPROVED BY:		

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TYPICAL STEEL DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. S0.23

SHEET 0 OF SHEETS

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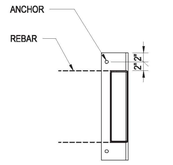
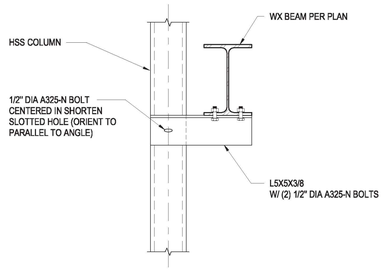
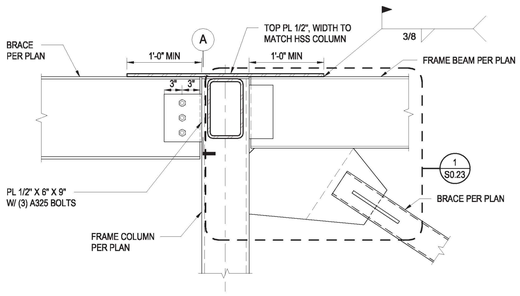
REVISION DATES (DESIGN STAGE ONLY)

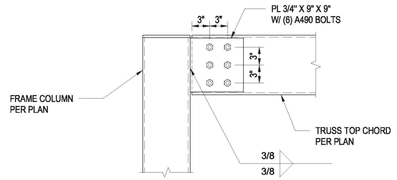


A PLAN VIEW

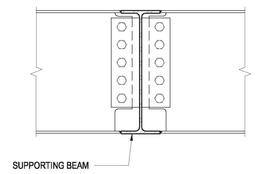


9 SLIP CONNECTION TO WX BEAM
1" = 1'-0"

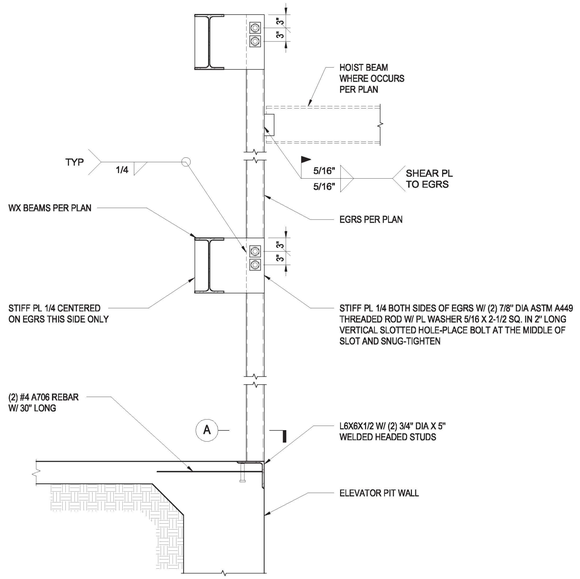




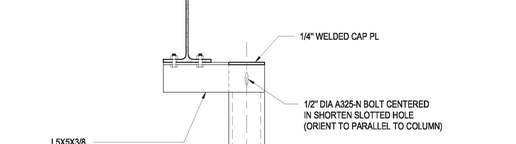
A SECTION



A BEAM WITH SAME DEPTH

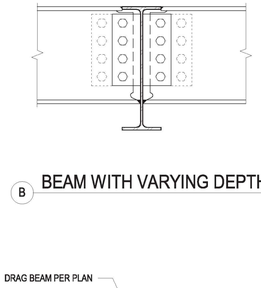


15 ELEVATOR GUIDE RAIL DETAIL
3/4" = 1'-0"

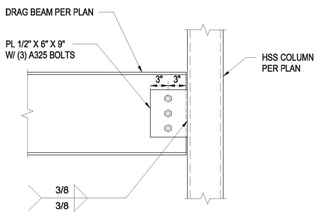


HSS COLUMN TO HSS BEAM SKEWED CONNECTION
12
1" = 1'-0"

DRAG CONNECTION AT BOTH SIDES OF FRAME COLUMN
6
NOT TO SCALE

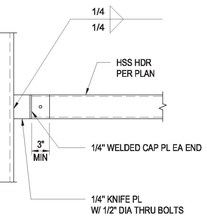


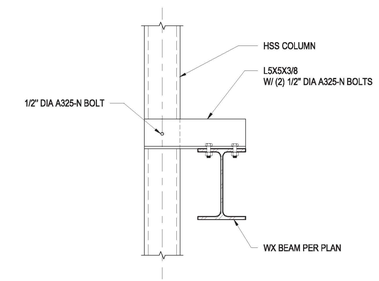
B BEAM WITH VARYING DEPTH



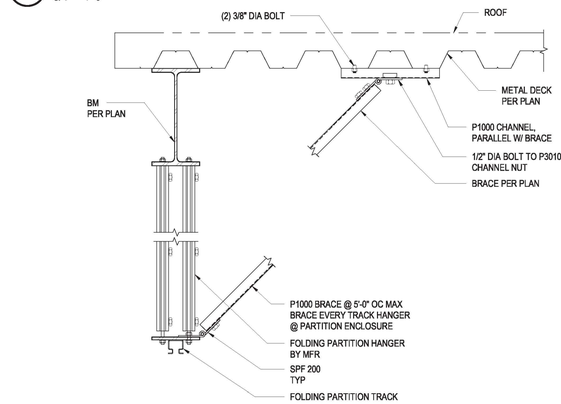
C CONNECTION TO COLUMN

NOTES:
1. FLANGE PLATE TO BE ASTM A572, GR 50.
2. NO ERECTION BOLTS ALLOWED IN FLANGE PLATES.
3. NOTED ON PLAN BY





7 SLIP CONNECTION TO WX BEAM AT TOP
1" = 1'-0"



16 OPERABLE PARTITION DETAIL
1" = 1'-0"

8 RIGID CONNECTION TO WX BEAM
1" = 1'-0"

4 BEAM TO BEAM MOMENT CONNECTION
NOT TO SCALE

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REVISION DATES (DESIGN STAGE ONLY)

NAC
5060 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@NACSDESIGNENGINEERING.COM

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
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INDEX NO. RP-300126
BUILDING NO. -

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
S5593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
DATE:
LIC. NO.: C12115
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: SPECIFIC STEEL DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
S0.24
SHEET NO OF SHEETS

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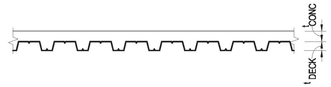
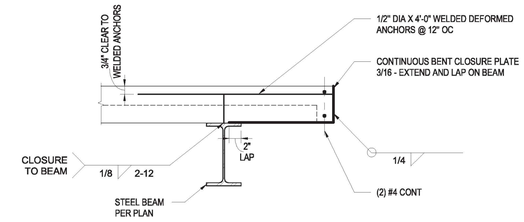


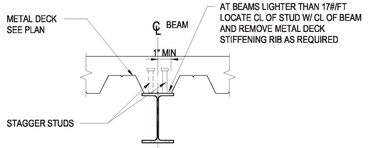
SLAB TYPE	DECK	HEIGHT DECK t_{DECK}	FACTORY VENTED	FILL		STUD SIZE	SLAB REINFORCING	ATTACHMENT TYPE						SIDE LAP	ALLOWABLE SUPERIMPOSED LOADS (PSF)	REMARKS
								TO PERIMETER SUPPORT			TO INTERMEDIATE SUPPORT					
				SLAB TYPE	MIN THICKNESS ABOVE TOP FLUTE t_{CONC}			MIN BEARING	PERPENDICULAR TO DECK	PARALLEL TO DECK	MIN BEARING	PERPENDICULAR TO DECK	PARALLEL TO DECK			
S1	18 GA. VERCO PLW3 (IAPMO ER-2018) & LARR 23789	3"	YES	LIGHT WEIGHT CONCRETE	2 1/2"	3/4 DIA x5	#4 @12 OC EA WAY	3"	4 WELDS PER 36" SHEET	1/2" DIA PUDDLE WELD @ 12 OC	4"	4 WELDS PER 36" SHEET	1/2" DIA PUDDLE WELD @ 12 OC	1 1/2" SIDE SEAM WELD @ 12" OC	191 (MAX SPAN = 12'-6")	MAX UNSHORED DECK SPAN = 15'-1"

NOTES:
1. SEE GENERAL NOTES FOR MATERIAL SPECIFICATIONS.
2. STRUCTURAL STEEL DECK SYSTEM SHALL BE VERCO (AS SPECIFIED) OR APPROVED EQUAL.
3. DECK SHALL HAVE A MINIMUM OF 2" BEARING AT ALL SUPPORTING MEMBERS UON.
4. SHORE DECK AS REQUIRED BY THE MANUFACTURER.
5. EACH PUDDLE WELD MAY BE REPLACED WITH A SHEAR STUD WELDED THROUGH THE DECK.
6. CONCRETE FILL THICKNESS SHOWN ON FRAMING PLANS AND DETAIL SHEETS ARE MINIMUM THICKNESS. PROVIDE ADDITIONAL CONCRET FILL AS REQUIRED TO COMPENSATE FOR BEAM OR DECK DEFLECTIONS AND MAINTAIN SURFACE TOLERANCES SPECIFIED.
7. WHENEVER POSSIBLE, DECK LAYOUTS SHALL PROVIDE SHEETS OF SUFFICIENT LENGTH OF SPAN CONTINUOUSLY ACROSS AT LEAST THREE SPANS. ENDS SHALL TERMINATE OVER A SUPPORT PERPENDICULAR TO THE DECK SPAN, EXCEPT AT OPENINGS OR BUILDING EDGES WHERE DECKS ARE CANTILEVERED (PER PLAN).
8. PROVIDE BENT PLATE CLOSURE PIECES AT ALL EDGES OF DECK, UNLESS OTHERWISE NOTED.
9. OPENINGS THROUGH DECKING SHOWN ON FRAMING PLANS ARE NOT COMPLETE AS TO NUMBER, SIZE AND LOCATION. FOR COMPLETE INFORMATION REFER TO DESIGN DRAWINGS.
10. STRENGTHEN OPENINGS PER DETAILS 9, 11, OR 13 ON S0.32. PROVIDE STRENGTHENING PRIOR TO CUTTING OPENINGS.
11. OPENING DETAILS INCLUDED IN PLANS ARE FOR TYPICAL REINFORCING OF DECK OPENINGS. FOR SPECIAL CONDITIONS, CONTACT STRUCTURAL ENGINEER.
12. FOR SINGLE OPENINGS THROUGH DECK THAT CUT ONLY ONE WEB ARE ARE 4" SQ OR 4" DIA. MAXIMUM, NO STRENGTHENING IS REQUIRED.
13. SEE MECHANICAL / PLUMBING DRAWINGS FOR DETAILS OF UTILITIES SUSPENDED FROM THE CONCRETE TOPPED DECK SYSTEM. POINT LOADS FROM THESE DETAILS SHALL NOT EXCEED 100 LBS PER HANGER. IN ADDITION, LOADS ON HANGERS SHALL BE DISTRIBUTED IN SUCH A MANNER THAT THE TRIBUTARY LOADS FOR EACH HANGER SHALL NOT EXCEED THE SUPERIMPOSED DEAD LOAD OF 5 PSF.
14. SEE PLANS AND DETAILS FOR TYPICAL DECK SUPPORTS AT COLUMNS.
THE FIRST SHEET OF STEEL DECKING ADJACENT AND PARALLEL TO PERIMETER WF BEAMS AND WF BEAMS WITH MOMENT CONNECTIONS AT EACH END SHALL BE A FULL WIDTH SHEET.

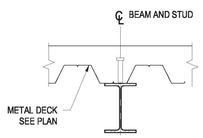
13 METAL DECK SCHEDULE OF PROPERTIES
NOT TO SCALE



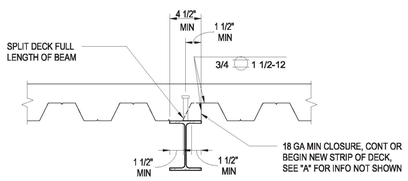
DECK EDGE DETAIL (CONCRETE OVER METAL DECK) 2
1" = 1'-0"



A ALIGNED DECK



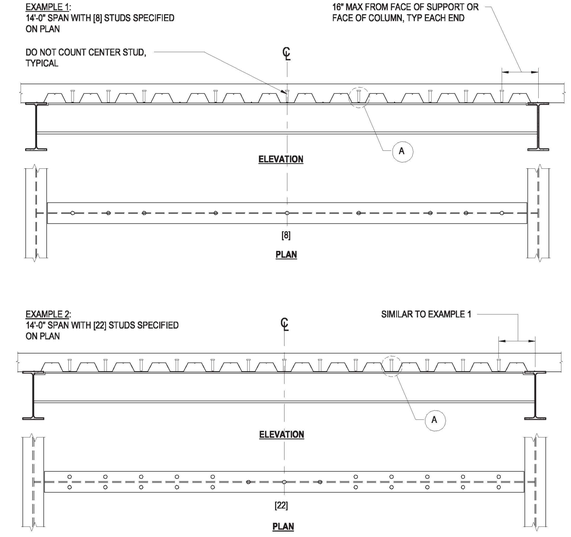
B ALIGNED DECK



C OFFSET DECK

NOTE: CONNECT SHEAR STUDS PER MANUFACTURER SPECIFICATIONS

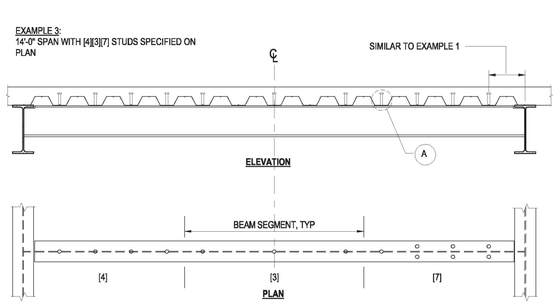
16 SHEAR STUDS DETAIL
NOT TO SCALE

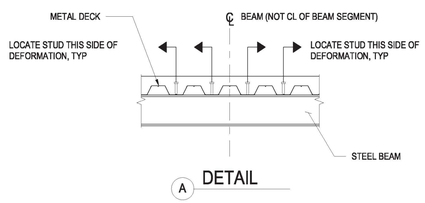


NOTES:
1. MIN NUMBER OF STUDS REQUIRED PER SEGMENT OF BEAM IS SHOWN AS [N] ON FRAMING PLANS.
2. WHERE NO INDICATION IS GIVEN, PROVIDE STUDS AT 2'-0" OC MAX.
3. FOR DECK PARALLEL TO BEAM UNIFORMLY SPACE STUDS ALONG CL OF BEAM SEGMENT NO CLOSER THAN 4 1/2" OC, SEE STUD PLACEMENT DETAIL FORM MORE INFO.
4. FOR DECK PERPENDICULAR OR SKEWED TO BEAM, PLACE REQUIRED NUMBER OF SKEWED TO BEAM, PLACE REQUIRED NUMBER OF STUDS EQUALLY ALONG THE LENGTH OF BEAM SEGMENT FOR SPACING GREATER THAN 2'-0" OC OTHERWISE USE THE FOLLOWING METHOD:

STEP A: PLACE STUDS IN ALTERNATE TROUGHS STARTING AT EACH END
STEP B: PLACE ONE HALF OF REMAINING STUDS AT EACH END IN THE REMAINING TROUGHS STARTING AT THE END SUPPORT
STEP C: AFTER A STUD HAS BEEN PLACED IN EACH TROUGH, PLACE A SECOND STUD PER TROUGH STARTING AT EACH END.
SIMILAR FOR THREE STUDS PER TROUGH UNTIL THE PLAN SPECIFICATION ... [ ] HAS BEEN MET. SEE EXAMPLES 1, 2 AND 3.

12 WELDED STUD LAYOUT
NOT TO SCALE

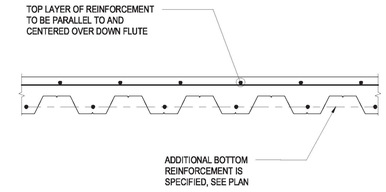




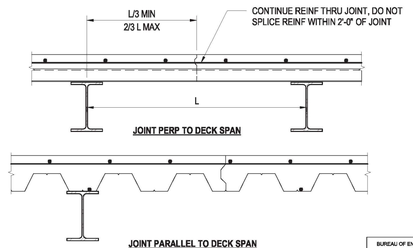
A DETAIL

NOTES:
1. PLACE STUDS AS CLOSE AS POSSIBLE TO CL OF DOWN TROUGH.
2. WHERE DOWN TROUGHS HAVE A DEFORMATION AT THE CL, PLACE STUDS TO THE SIDE FURTHEST FROM THE CENTER OF THE BEAM SPAN SEE ABOVE AND STUD LAYOUT DETAIL.

SLAB ON METAL DECK CONSTRUCTION JOINT 4
NOT TO SCALE



3 METAL DECK CONCRETE FILL REINFORCING
NOT TO SCALE



NOTE:
1. LIMIT CONCRETE FILL PLACEMENT TO 180 FT MAX IN ANY DIRECTION. WHERE REQUIRED, DIVIDE AREAS EQUALLY AND ALLOW A MIN OF (3) DAY BETWEEN ADJACENT PLACEMENTS.

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5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
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HELLO@VOIDSENGINEERING.COM

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NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. RP-300126
BUILDING NO. -

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
S5593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TYPICAL METAL DECK DETAILS
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S0.30
SHEET 0 OF SHEETS

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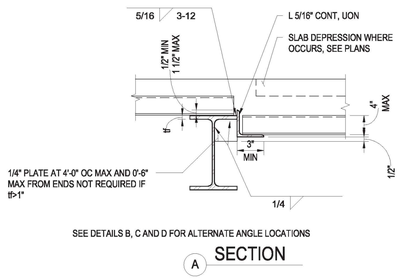
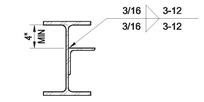
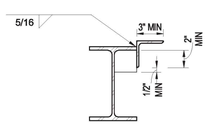


A SECTION



B SECTION



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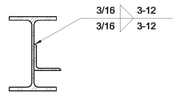
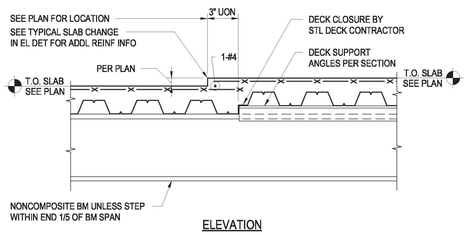


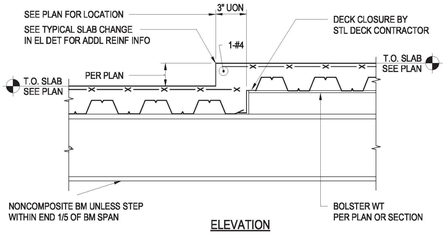
D SECTION

13 DECK SUPPORT AT CHANGE OF SLAB ELEVATION

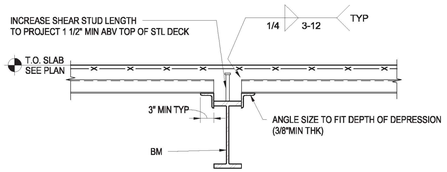
NOT TO SCALE



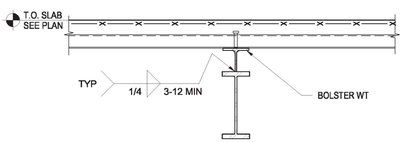
ELEVATION



ELEVATION



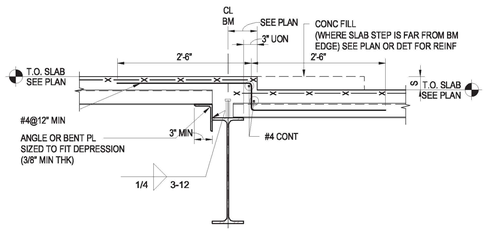
SECTION

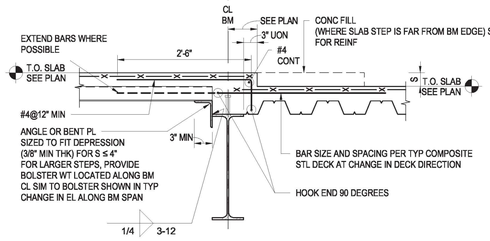


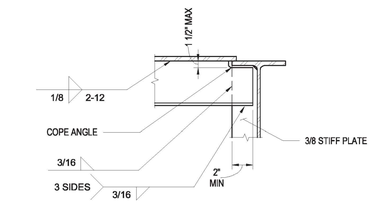
SECTION

15 TYPICAL CHANGE IN DECK ELEVATION ALONG BEAM SPAN

NOT TO SCALE

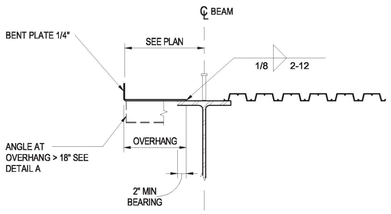






OVERHANG SCHEDULE		
OVERHANG	ANGLE	BENT PLATE t
24" MAX	L5X3X1/4 @ 4'-0" OC	
36" MAX	L6X4X5/16 @ 4'-0" OC	

A OVERHANG SCHEDULE



B DECK PARALLEL TO BEAM

16 TYPICAL CHANGE IN DECK ELEVATION (BEAM AT LOW SLAB)

NOT TO SCALE

12 EDGE OF DECK - LARGE OVERHANG

NOT TO SCALE



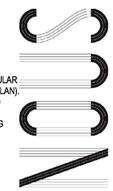
DECK TYPE	DECK SECTION & GAUGE	t DECK	WELD ATTACHMENT AT			
			PUDDLE WELDS AT SUPPORT MEMBERS	PUDDLE WELDS AT PARALLEL MEMBERS	SIDE LAPS	ALLOWABLE SUPERIMPOSED LOADS (PSF)
D1	20 GA VERCO PLN-24 (IAPMO ER-2018) & LARR 23789	3"	7 WELDS PER 36" SHEET	12" OC	VSC @ 8" OC	77 PSF (MAX SPAN= 13'-0")

NOTES:
1. PUDDLE WELDS ARE 1/2" EFFECTIVE DIA.
2. DECK DESIGNATIONS ARE VERCO MANUFACTURING CO. ICC ESR-1735P.
3. FOR TYPICAL DECK WELDING DETAILS SEE 4 / S0.31

5 ROOF STEEL DECK SCHEDULE

NOT TO SCALE

NOTES:
1. SEE GENERAL NOTES FOR MATERIAL SPECIFICATIONS.
2. STRUCTURAL STEEL DECK SYSTEM SHALL BE VERCO (AS SPECIFIED) OR APPROVED EQUAL.
3. DECK SHALL HAVE A MINIMUM OF 2" BEARING AT ALL SUPPORTING MEMBERS UON
4. WHENEVER POSSIBLE, DECK LAYOUTS SHALL PROVIDE SHEETS OF SUFFICIENT LENGTH OF SPAN CONTINUOUSLY ACROSS AT LEAST THREE SPANS. ENDS SHALL TERMINATE OVER A SUPPORT PERPENDICULAR TO THE DECK SPAN,EXCEPT AT OPENINGS OR BUILDING EDGES WHERE DECKS ARE CANTILEVERED (PER PLAN).
5. OPENINGS THROUGH DECKING SHOWN ON FRAMING PLANS ARE NOT COMPLETE AS TO NUMBER, SIZE AND LOCATION. FOR COMPLETE INFORMATION REFER TO DESIGN DRAWINGS.
6. STRENGTHEN OPENINGS PER DETAILS 9, 11, OR 13 ON S0.32. PROVIDE STRENGTHENING PRIOR TO CUTTING OPENINGS.
7. OPENING DETAILS INCLUDED IN PLANS ARE FOR TYPICAL REINFORCING OF DECK OPENINGS. FOR SPECIAL CONDITIONS, CONTACT STRUCTURAL ENGINEER.
8. FOR SINGLE OPENINGS THROUGH DECK THAT CUT ONLY ONE WEB ARE 4" SQ OR 4" ⌀ MAXIMUM, NO STRENGTHENING IS REQUIRED.
9. SEE PLANS AND DETAILS FOR TYPICAL DECK SUPPORTS AT COLUMNS.
10. THE FIRST SHEET OF STEEL DECKING ADJACENT AND PARALLEL TO PERIMETER WF BEAMS AND WF BEAMS WITH MOMENT CONNECTIONS AT EACH END SHALL BE A FULL WIDTH SHEET.



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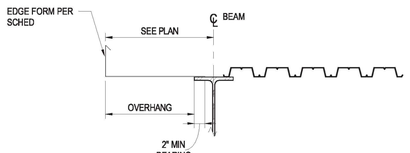
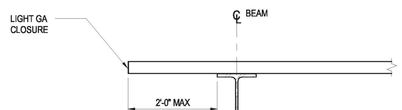
6 EDGE OF DECK - INTERIOR

NOT TO SCALE



A DECK PARALLEL TO BEAM



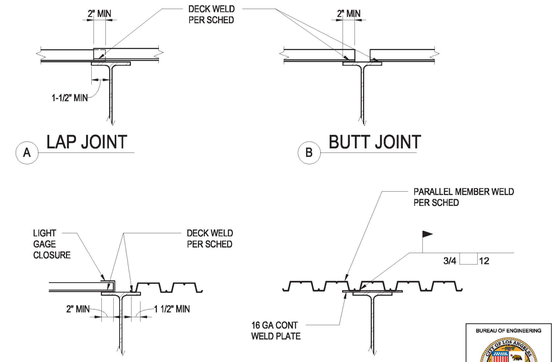
B DECK PERPENDICULAR TO BEAM

MAX OVERHANG	EDGE FORM GAGE
3"	16
5"	14
8"	12
11"	10
18"	1/4"
SEE DETAIL 6 FOR ELEVATOR SHAFTS	

MAX OVERHANG	BENT PLATE THICKNESS
10"	1/4"
18"	3/8"

8 EDGE OF DECK - EXTERIOR AND ELEVATOR SHAFTS

NOT TO SCALE



NOTE:
1. SEE STEEL DECK NOTES AND DECK SCHEDULE FOR COMPLETE INFORMATION.

4 TYPICAL DECK JOINT OVER SUPPORT

NOT TO SCALE

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CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

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	BID SET		

INDEX NO. RP-300126
BUILDING NO. -

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TYPICAL METAL DECK DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

CITY ENGINEER	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: TH	Issue Date
DRAWN BY: TC	Issue Date
CHECKED BY: OG	Issue Date
APPROVED BY:	Issue Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

Project Status
PROJECT ISSUE DATE: Issue Date

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PLAN FILE NO.
DRAWING NO. S0.31
SHEET NO OF SHEETS

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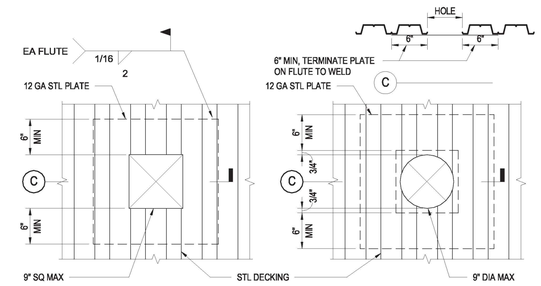
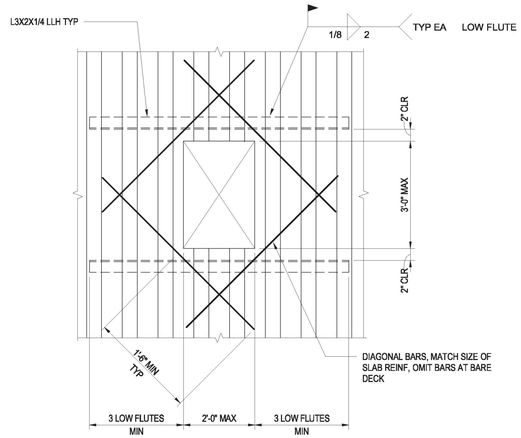


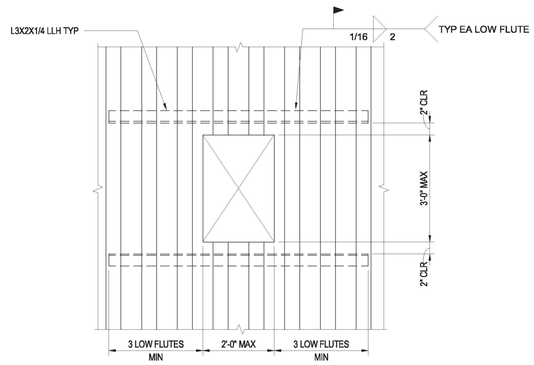
A SQ OR RECTANGULAR HOLES

B ROUND HOLES

NOTES:
1. 12 GA PLATE MAY BE OMITTED IF HOLE IS CUT AFTER CONCRETE FILL HAS REACHED ITS DESIGN STRENGTH.
2. PLATE MAY BE LOCATED ABOVE DECK WHERE NO CONCRETE FILL OCCUR.

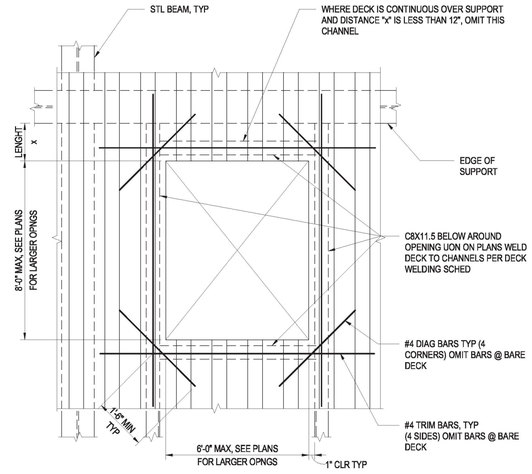


13 SMALL OPENING IN STEEL DECK
NOT TO SCALE

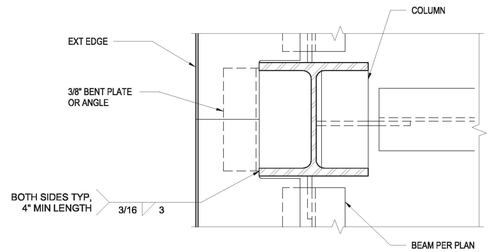


14 MEDIUM OPENING IN STEEL DECK
1" = 1'-0"

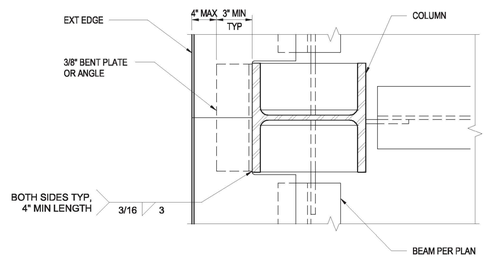
9 MEDIUM OPENING IN STEEL DECK
NOT TO SCALE



11 LARGE OPENING IN STEEL DECK
NOT TO SCALE

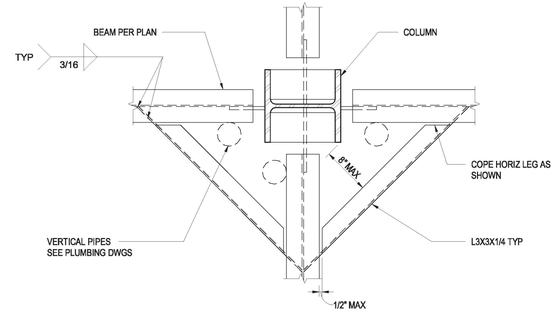


B PLANT-AT COLUMN WEB



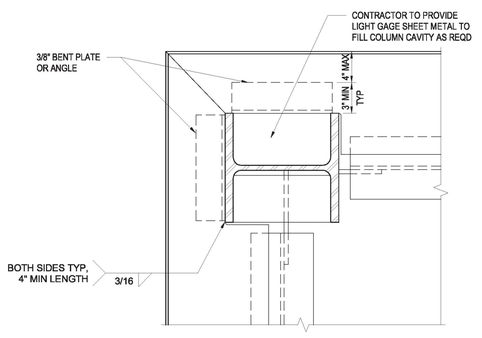
A PLANT-AT COLUMN FLANGE

7 EDGE OF DECK AT EXTERIOR COLUMN
NOT TO SCALE



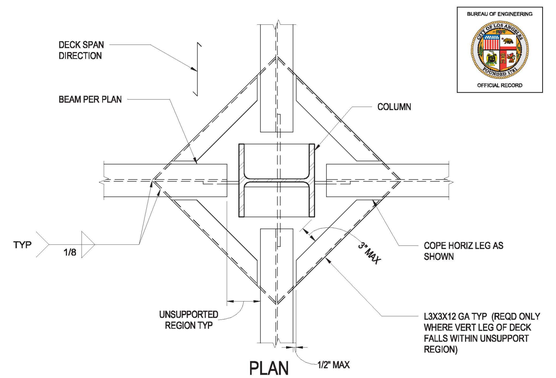
PLAN

3 OPENINGS ADJACENT TO COLUMN
NOT TO SCALE



PLAN

8 EDGE OF DECK AT EXTERIOR CORNER COLUMN
NOT TO SCALE



PLAN

4 DECK SUPPORT AT COLUMN
NOT TO SCALE

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5060 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@LOSENGINEERING.COM

ENGINEERING
CITY OF LOS ANGELES

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CITY ENGINEER
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PLAN FILE NO.

DRAWING NO. S0.32

SHEET OF SHEETS

PLOTTED:9/6/2023 1:50:51 PM

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/13/15
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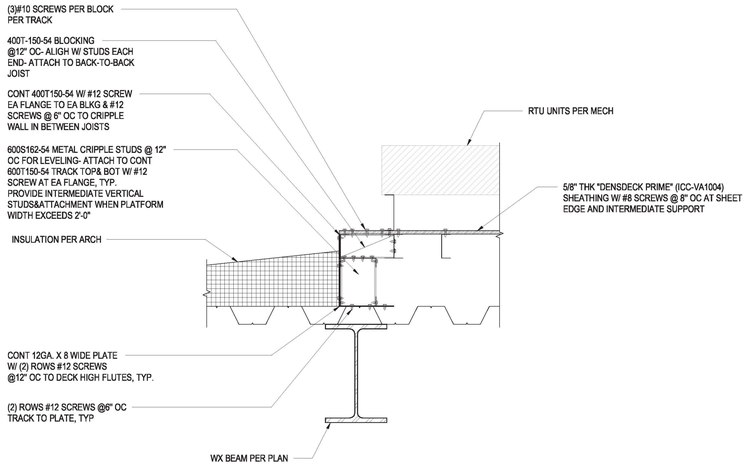
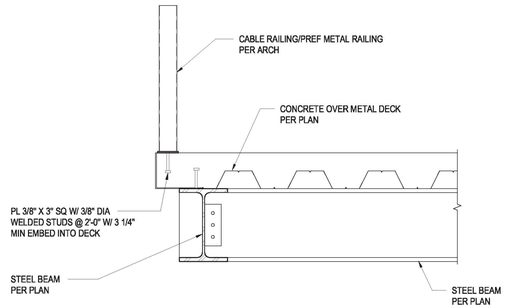


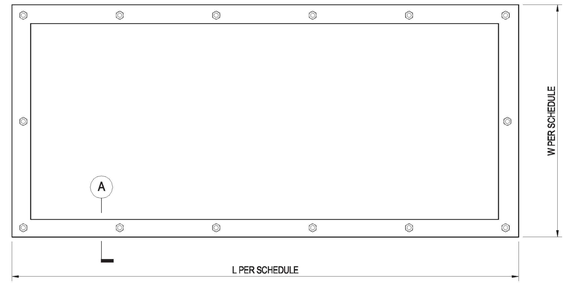
13 ROOF BUILT-UP PLATFORM SUPPORTING CONDENSING UNITS AND MOUNTED EXHAUSTED FANS

1" = 1'-0"

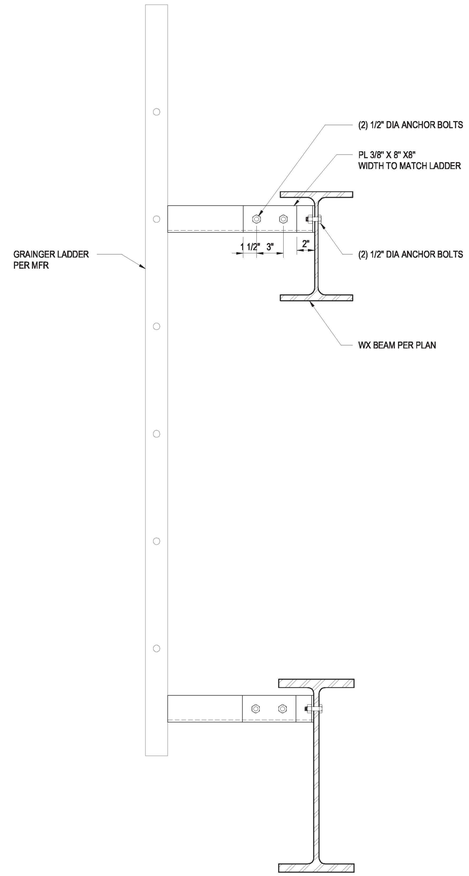


6 GUARDRAIL @ CONCRETE OVER METAL DECK

1" = 1'-0"

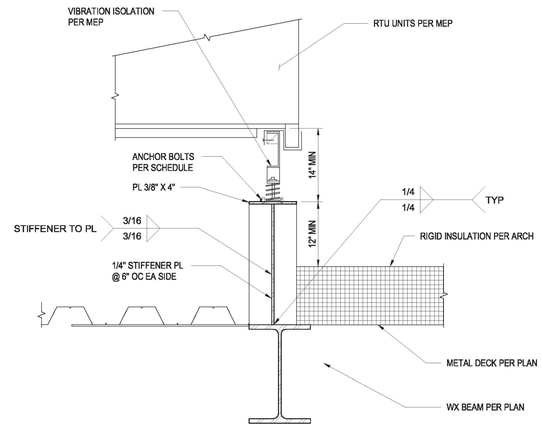


PLAN VIEW



16 LADDER TO FLOOR BEAM

1 1/2" = 1'-0"



A SECTION

EQUIPMENT	WEIGHT (LBS)	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	ANCHOR SIZE	# OF ANCHORS LONG SIDE	# OF ANCHORS SHORT SIDE
RTU-1 (20T)	7200#	157.625"	78.375"	82.8"	3/4" DIA	5	3
RTU-2 (12T)	3800#	84.5"	51.375"	56.8"	3/4" DIA	3	3
RTU-3 (10T)	3800#	84.5"	51.375"	56.8"	3/4" DIA	3	3
RTU-4 (20T)	7200#	157.625"	78.375"	82.8"	3/4" DIA	5	3

4 RTU UNIT ANCHORAGE DETAIL

1" = 1'-0"

BUREAU OF ENGINEERING — OFFICIAL RECORD

VOLUS
5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3668
HELLO@VOLUSENGINEERING.COM

ENGINEERING — CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS — BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER — OMAR LEONEL GARZA — 55593 EXP 12/31/2023 — STRUCTURAL — STATE OF CALIFORNIA

CITY ENGINEER

DATE:	Issue Date	Issue Date	Issue Date	Issue Date	Issue Date	Issue Date	Issue Date

GARY LEE MOORE, P.E., ENV SP — CITY E

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA — LIC. NO.: C12115

DESIGNED BY: TH

DRAWN BY: TC

CHECKED BY: OG

APPROVED BY:

CITY OF LOS ANGELES

CLIENT : DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: EQUIPMENT ANCHORAGE DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status

PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. S0.33

SHEET OF SHEETS

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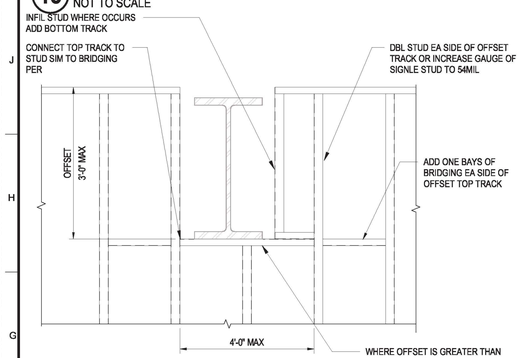
REVISION DATES (DESIGN STAGE ONLY)

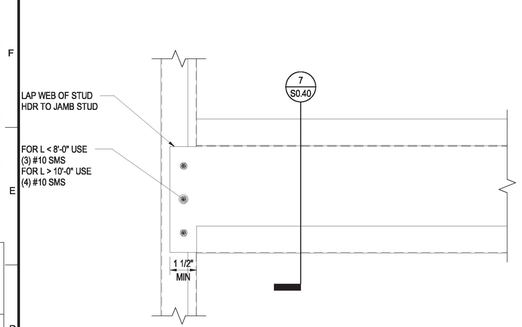
TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 03/21/23
FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

	METAL STUD PROPERTIES (ICC-ES ER-3064P)		ALLOWABLE SPAN L/240 (LATERAL LOAD = 5PSF)		
	SIZE / TYPE	GA	24" OC	16" OC	12" OC
NON-BEARING WALL	250S125-33 (33KSI)	20	10'-6"	12'-1"	13'-3"
	250S125-43 (33KSI)	18	11'-5"	13'-1"	14'-5"
	362S125-33 (33KSI)	20	14'-0"	16'-1"	17'-8"
	362S162-43 (33KSI)	18	16'-8"	19'-1"	21'-0"
	362S162-54 (50KSI)	16	17'-11"	20'-6"	22'-6"
	362S162-68 (50KSI)	14	19'-2"	21'-11"	24'-1"
	400S125-33 (33KSI)	20	15'-1"	17'-4"	19'-1"
	400S162-43 (33KSI)	18	18'-0"	20'-7"	22'-8"
	400S162-54 (50KSI)	16	19'-4"	22'-1"	24'-4"
	400S162-68 (50KSI)	14	20'-8"	23'-8"	26'-0"
	600S125-33 (33KSI)	20	20'-5"	23'-11"	26'-5"
	600S162-43 (33KSI)	18	24'-9"	28'-4"	31'-2"
	600S162-54 (50KSI)	16	26'-7"	30'-5"	33'-6"
	600S162-68 (50KSI)	14	28'-6"	32'-7"	35'-11"
	800S125-33 (33KSI)	20	23'-0"e	28'-3"e	32'-7"e
	800S162-43 (33KSI)	18	31'-1"	35'-8"	39'-4"
	800S162-54 (50KSI)	16	33'-6"	38'-4"	42'-3"
	800S162-68 (50KSI)	14	35'-11"	41'-2"	45'-4"

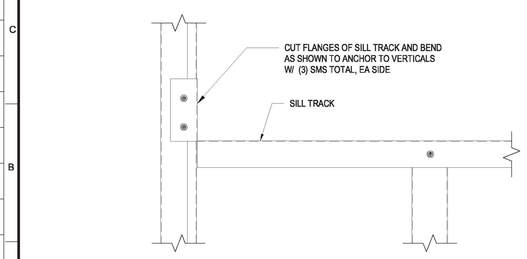
13 STUD ALLOWABLE SPAN TABLE
NOT TO SCALE



14 OFFSET TOP TRACK
NOT TO SCALE

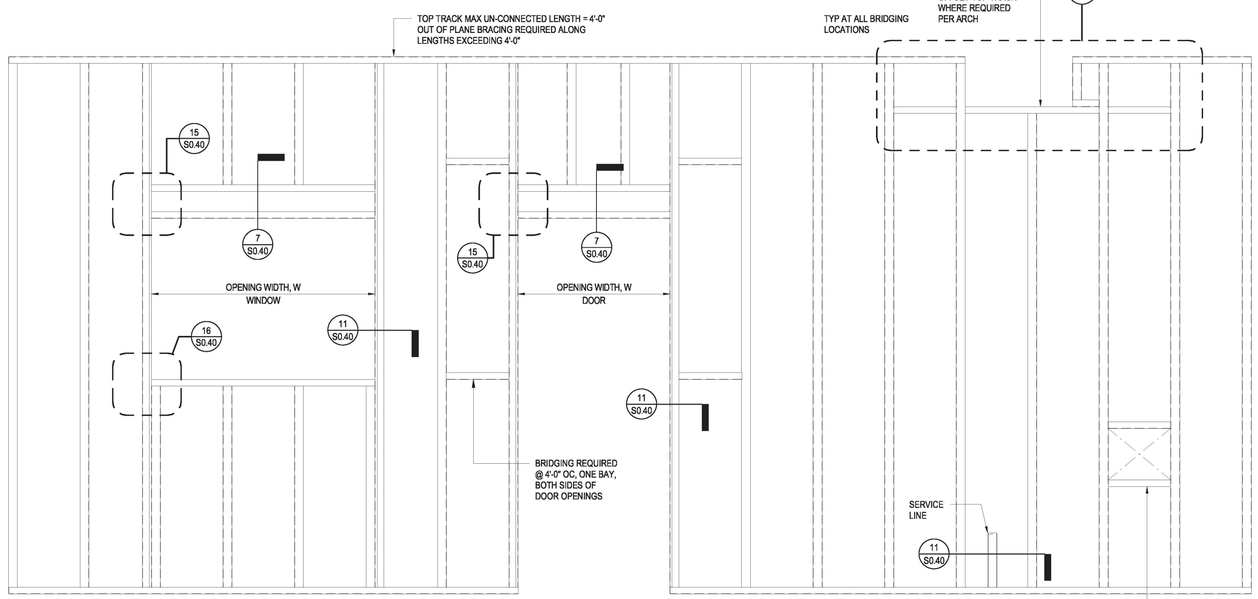


15 WALL OPENING HEADER CONNECTION
NOT TO SCALE

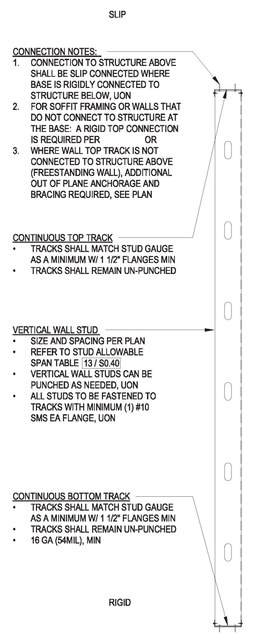


16 WALL OPENING SILL CONNECTION
3" = 1'-0"

S0.40 - WALL OPENING SILL CONNECTION 1/10/2020



TYPICAL WALL ELEVATION



SECTION AT TYPICAL FULL HEIGHT STUD

CONNECTION NOTES:
1. CONNECTION TO STRUCTURE ABOVE SHALL BE SLIP CONNECTED WHERE BASE IS RIGIDLY CONNECTED TO STRUCTURE BELOW, UON
2. FOR SOFFIT FRAMING OR WALLS THAT DO NOT CONNECT TO STRUCTURE AT THE BASE: A RIGID TOP CONNECTION IS REQUIRED PER OR
3. WHERE WALL TOP TRACK IS NOT CONNECTED TO STRUCTURE ABOVE (FREESTANDING WALL), ADDITIONAL OUT OF PLANE ANCHORAGE AND BRACING REQUIRED, SEE PLAN

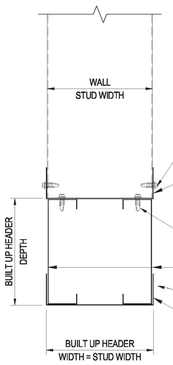
CONTINUOUS TOP TRACK
- TRACKS SHALL MATCH STUD GAUGE AS A MINIMUM W/ 1 1/2" FLANGES MIN
- TRACKS SHALL REMAIN UN-PUNCHED

VERTICAL WALL STUD
- SIZE AND SPACING PER PLAN
- REFER TO STUD ALLOWABLE SPAN TABLE 13 / S0.40
- VERTICAL WALL STUDS CAN BE PUNCHED AS NEEDED, UON
- ALL STUDS TO BE FASTENED TO TRACKS WITH MINIMUM (1) #10 SMS EA FLANGE, UON

CONTINUOUS BOTTOM TRACK
- TRACKS SHALL MATCH STUD GAUGE AS A MINIMUM W/ 1 1/2" FLANGES MIN
- TRACKS SHALL REMAIN UN-PUNCHED
- 16 GA (54MIL), MIN

NOTES:
1. PROVIDE WALL STUD BRIDGING @ 4'-0" OC WHERE BOTH WALL STUD FLANGES ARE NOT CONTINUOUSLY BRACED BY SOLID SHEATHING SUCH AS GYP BOARD OR PLYWOOD W/ FASTENERS @ 12" OC MAX.
2. FOR WALL CORNERS AND INTERSECTIONS SEE 12 / S0.40

10 WALL CONSTRUCTION
NOT TO SCALE

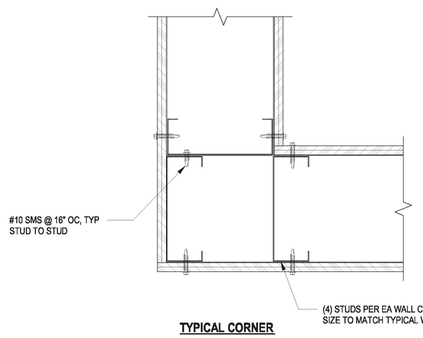


STUD AND TRACK

BUILT-UP STUD OPENING WIDTH W > 6'-0"

NOTES:
1. ALL JAMB STUDS AND TRACKS TO MATCH SIZE AND GAUGE OF HEADER, UON.
2. PROPRIATARY KONG STUD MAY BE USED AT CONTRACTORS OPTION. APPROVAL BY EOR REQUIRED.

11 WALL WINDOW /DOOR JAMB CONSTRUCTION
NOT TO SCALE



TYPICAL CORNER

12 WALL CORNERS AND INTERSECTIONS
NOT TO SCALE

NOTES:
1. PROPRIATARY HEADERS MAY BE USED AT CONTRACTORS OPTION, APPROVAL BY EOR REQUIRED.
2. PRO-X HEADER TO MATCH WALL STUD WIDTH.
3. REFER TO SS-600.O FOR ADDITIONAL INFORMATION AND END CONNECTION CLIPS.
4. * INCREASE GAUGE FOR WALLS STUD WIDTHS LESS THAN 6".
5. ** NOT ALLOWED FOR WALL STUD WIDTHS LESS THAN THAN 6".

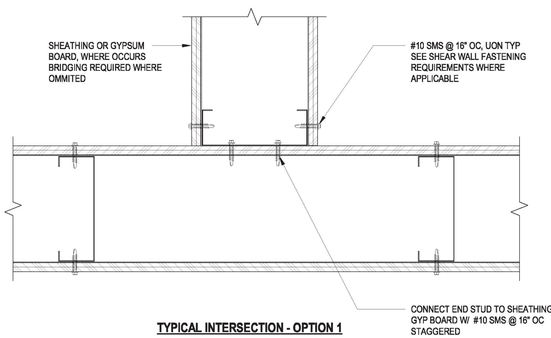
7 WALL OPENING BUILT-UP HEADERS
NOT TO SCALE

WINDOW / DOOR HEADER SCHEDULE
(WALL HEIGHTS UP TO 14'-0")

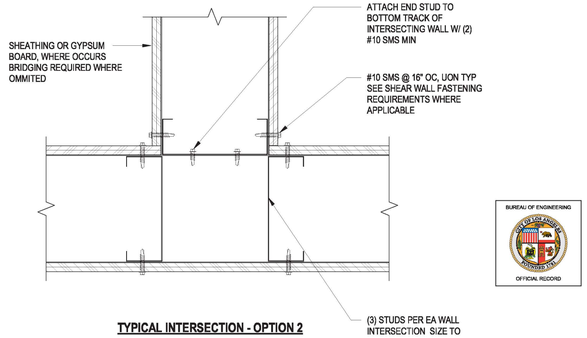
OPENING WIDTH, W (SPAN)	BUILT UP HEADER DEPTH AND MIN GUAGE	PRO X HEADER (IAPMO UES ER-286)	
W ≤ 4'-6"	4" DEEP - 20 GA (33MIL)	X425-33	XTC425-33
4'-6" < W ≤ 6'-0"	4" DEEP - 18 GA (43MIL)	X425-43	XTC425-33
6'-0" < W ≤ 8'-0"	6" DEEP - 18 GA (43MIL)	X425-54	XTC425-43
8'-0" < W ≤ 10'-0"	6" DEEP - 16 GA (54MIL)	X425-68	XTC425-54
W > 10'-0"	SEE PLANS	--	XTC425-54

WINDOW / DOOR HEADER SCHEDULE
(WALL HEIGHTS UP TO 20'-0")

OPENING WIDTH, W (SPAN)	BUILT UP HEADER DEPTH AND MIN GUAGE	PRO X HEADER (IAPMO UES ER-286)	
W ≤ 4'-6"	4" DEEP - 20 GA (33MIL)	X425-43	XTC425-33
4'-6" < W ≤ 6'-0"	4" DEEP - 18 GA (43MIL)	X425-54	XTC425-43
6'-0" < W ≤ 8'-0"	6" DEEP - 18 GA (43MIL)	X425-68	XTC425-54*
8'-0" < W ≤ 10'-0"	6" DEEP - 16 GA (54MIL)	--	XTC425-54**
W > 10'-0"	SEE PLANS	--	XTC425-68**



TYPICAL INTERSECTION - OPTION 1



TYPICAL INTERSECTION - OPTION 2

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OFFICIAL RECORD

5060 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@UESENGINEERING.COM

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER

DATE:	
Issue Date	
Issue Date	
Issue Date	
Issue Date	
Issue Date	
Issue Date	
Issue Date	

GARY LEE MOORE, P.E., ENV SP
LIC. NO.: C12115

ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TYPICAL CFMF DETAILS - WALL CONSTRUCTION

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S0.40
SHEET 0 OF SHEETS

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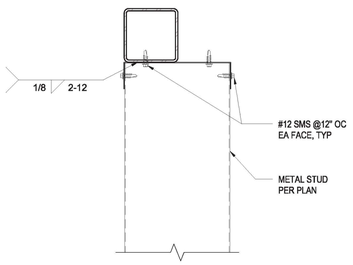
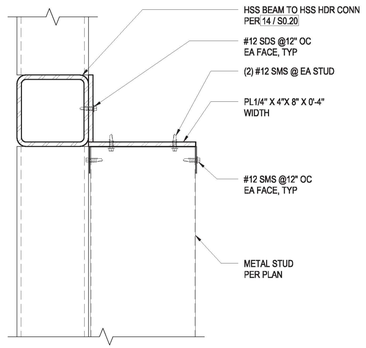
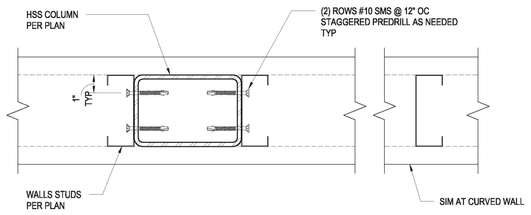


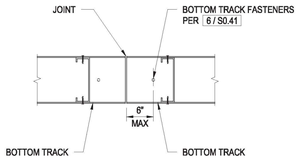
13 METAL STUD TO HSS HDR CONNECTION
NOT TO SCALE



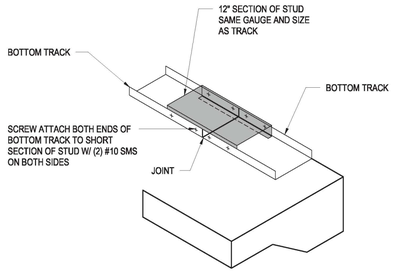
14 METAL STUD TO HSS COLUMN CONNECTION
NOT TO SCALE



15 HSS COLUMN IN CFMF STUD WALL
NOT TO SCALE

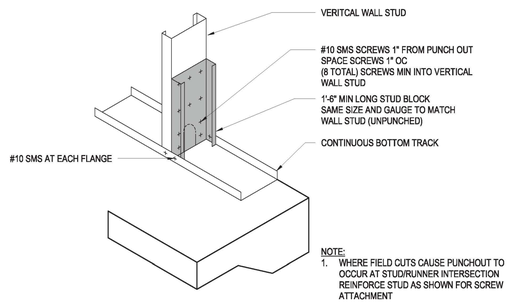


BOTTOM TRACK JOINT
(SPLICE STUD NOT REQUIRED)

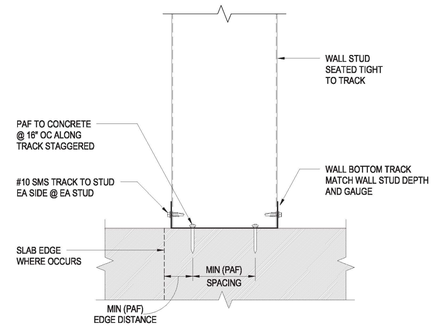


BOTTOM TRACK JOINT
(SPLICE STUD)

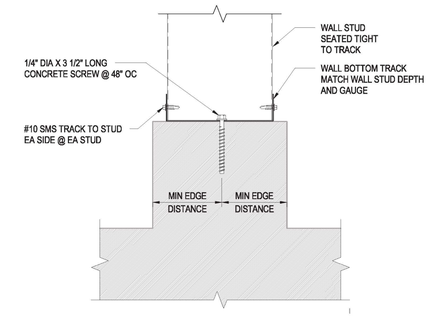
10 BOTTOM TRACK SPLICE OR JOINTS
NOT TO SCALE



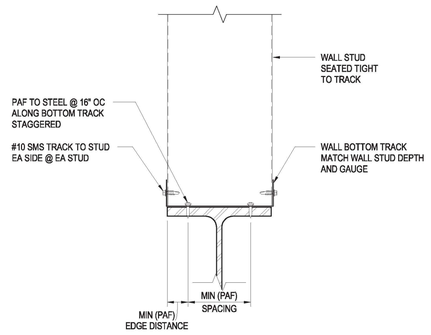
REINFORCEMENT AT STUD END WHERE PUNCH OUT OCCURS
11 NOT TO SCALE



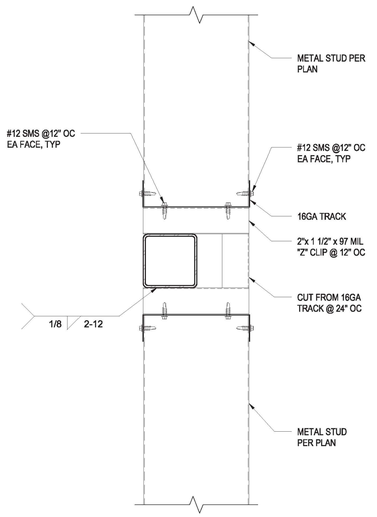
SLAB OR CONCRETE OVER METAL DECK



CURB



6 WALL BASE CONNECTION (RIGID)
NOT TO SCALE



4 METAL STUD TO HSS HDR T&B CONNECTION
NOT TO SCALE

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.1888
HELLO@VOSSENGINEERING.COM

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
S5593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TYPICAL CFMF DETAILS - WALL BASE CONNECTIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. S0.41
SHEET NO. OF SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date

	Issue Date
	Issue Date
	Issue Date
	Issue Date
	Issue Date
	Issue Date

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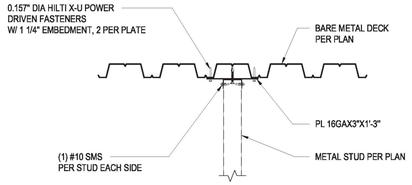
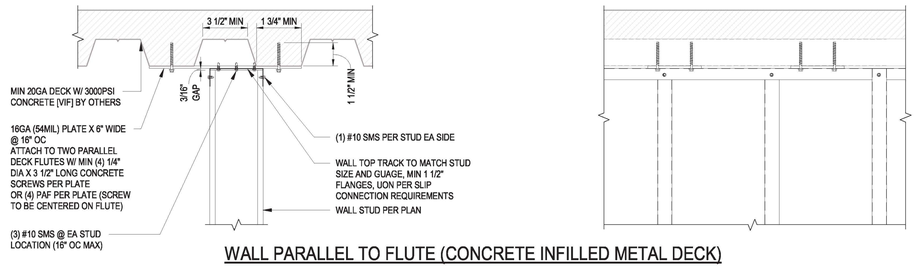
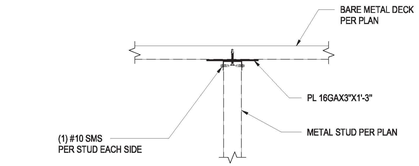


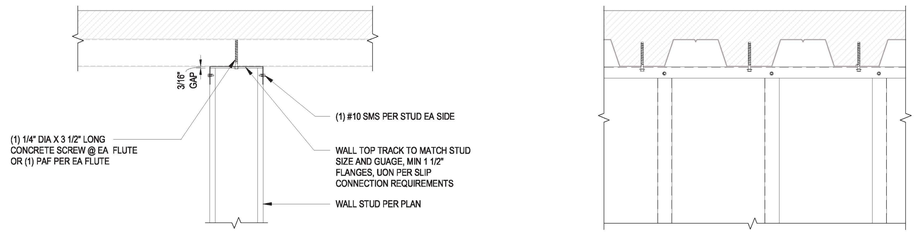
WALL PARALLEL TO FLUTE (BARE METAL DECK)



WALL PARALLEL TO FLUTE (CONCRETE INFILLED METAL DECK)



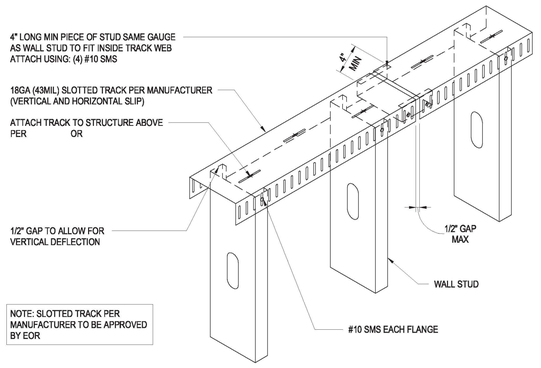
WALL PERPENDICULAR TO FLUTE (BARE METAL DECK)



WALL PERPENDICULAR TO FLUTE (CONCRETE INFILLED METAL DECK)

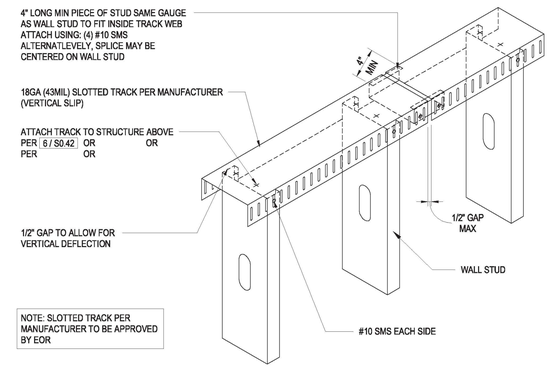
6 TOP TRACK CONNECTION (RIGID OR SLIP)

NOT TO SCALE



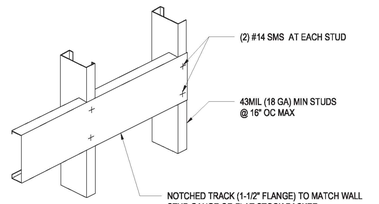
7 TOP TRACK SLOTTED (2 WAY SLIP)

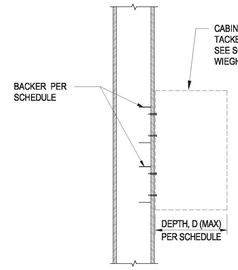
3/4" = 1'-0"



3 TOP TRACK SLOTTED (1 WAY SLIP)

NOT TO SCALE





WALL SECTION

BACKER SCHEDULE		
BACKER	WEIGHT, W (MAX)	DEPTH, D (MAX)
6" FLAT STOCK OR 6" TRACK	50 LBS	6"
6" TRACK	100 LBS	10"
(2) 6" TRACKS	250 LBS	24"

8 WALL STUD BRIDGING - BACKER

1" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
(213) 927-3988
HELLO@LOSENGINEERING.COM

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES

CITY ENGINEER	GARY LEE MOORE, P.E., ENV SP
DATE:	
	ARCHITECTURAL DIVISION
ARCHITECT:	MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY:	TH
DRAWN BY:	TC
CHECKED BY:	OG
APPROVED BY:	

Issue Date (×7)

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TYPICAL CFMF DETAILS - WALL TOP CONNECTIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. S0.42

SHEET OF SHEETS

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SHEET ISSUE DATE: 12/30/19
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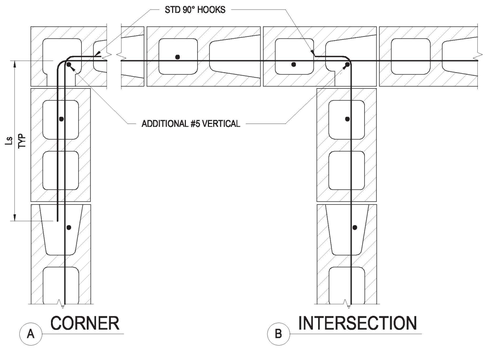
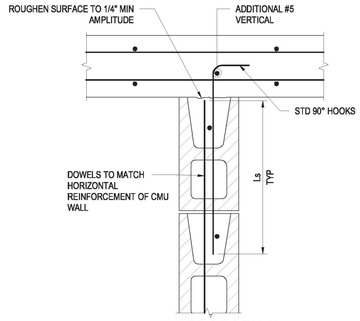
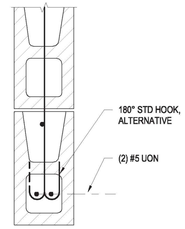
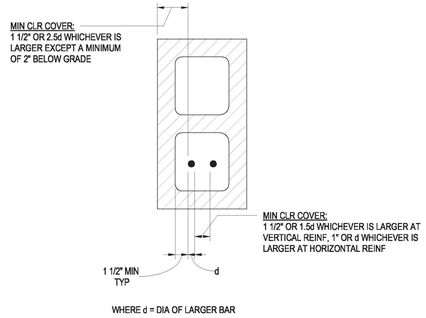


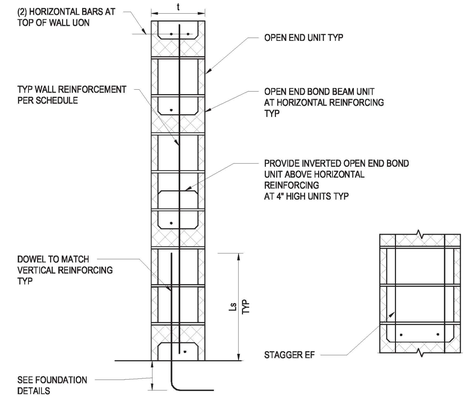


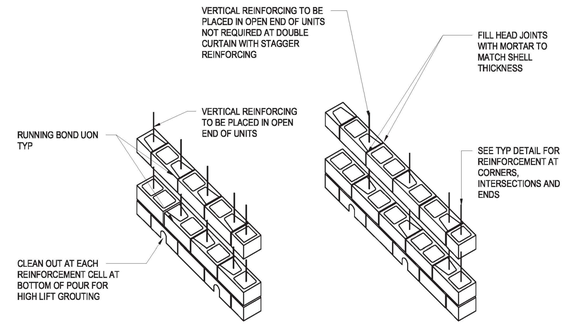


9 WALL REINF AT CORNERS, INTERSECTIONS AND ENDS
NOT TO SCALE



6 BAR SPACING IN MASONRY
NOT TO SCALE





NOTE:
1. 16" LONG UNITS WITH VERTICAL REINFORCING @ 16" OC (32" OC AND 40" OC SIM) 24" LONG UNITS WITH VERTICAL REINFORCEMENT AT 24" OC (48" OC SIM)

NOTE:
1. 16" LONG UNITS WITH VERTICAL REINFORCING @ 24" OC (40" OC SIM) 24" LONG UNITS WITH VERTICAL REINFORCEMENT @ 36" OC

ISOMETRIC (DOUBLE CURTAIN SIM)

WALL REINFORCING SCHEDULE			
NOMINAL WALL THICKNESS t	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT	REMARKS
6"	#4 @ 24" OC	#4 @ 48" OC	
8"	#5 @ 24" OC	#4 @ 32" OC	
12"	#5 @ 16" OC EF	#4 @ 24" OC	
16"	#6 @ 16" OC EF	#5 @ 24" OC	

NOTES:
1. ALL CELLS TO BE FULLY GROUTED.
2. SECURE REINFORCEMENT AT 200 db MAX.
3. CONCAVE JOINTS, TYP UON.

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OFFICIAL RECORD

4 WALL REINFORCING
NOT TO SCALE

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LOS ANGELES, CA 90041
213.627.3985
HELLO@NOUSENGINEERING.COM

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CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
S5593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
LIC. NO.: C12115
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TYPICAL MASONRY DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S0.50
SHEET 0 OF SHEETS

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SHEET ISSUE DATE: 10/21/20 FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

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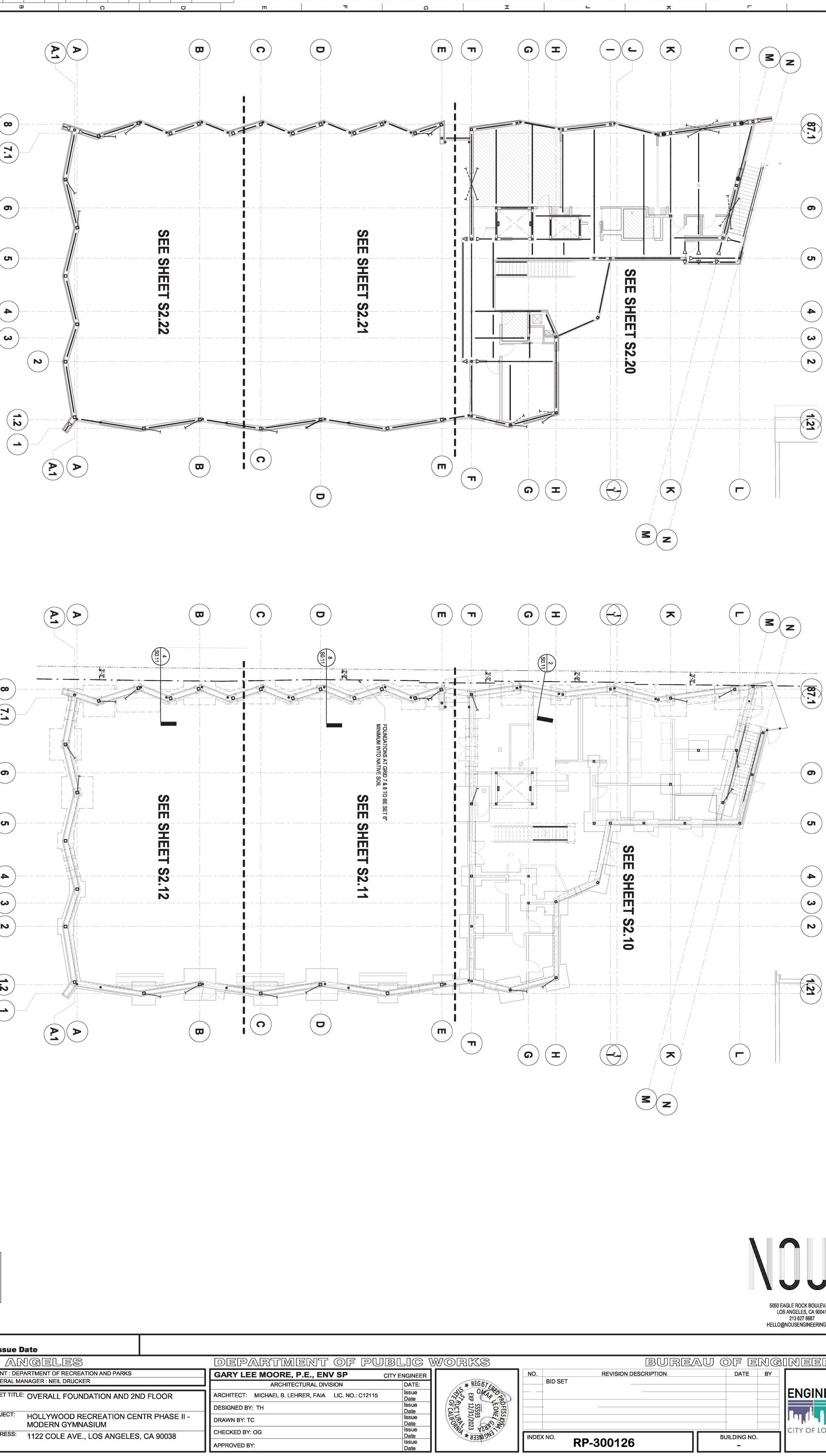

2 OVERALL 2ND FLOOR KEY PLAN

3/32" = 1'-0"

SEE SHEETS S2.20, S2.21 AND S2.22 FOR LEVEL 2 FRAMING INFORMATION

1 OVERALL FOUNDATION KEY PLAN

3/32" = 1'-0"

SEE SHEETS S2.10, S2.11 AND S2.12 FOR FOUNDATION INFORMATION

NOUS
5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213 627 6687
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Project Status
PROJECT ISSUE DATE: Issue Date

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WORK ORDER NO.	PLAN FILE NO.	DRAWING NO.	SHEET
E1908203		S2.00	OF SHEETS

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: OVERALL FOUNDATION AND 2ND FLOOR
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: TH	Issue Date
DRAWN BY: TC	Issue Date
CHECKED BY: OG	Issue Date
APPROVED BY:	Issue Date

REGISTERED PROFESSIONAL ENGINEER ★ OMAR LEONEL GARZA ★ EXP 12/31/2023 ★ 55593 ★ STATE OF CALIFORNIA ★ STRUCTURAL

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. **RP-300126**
BUILDING NO. **-**

ENGINEERING
CITY OF LOS ANGELES

TTLB TEMPLATE REVISION DATE: 06/30/2016
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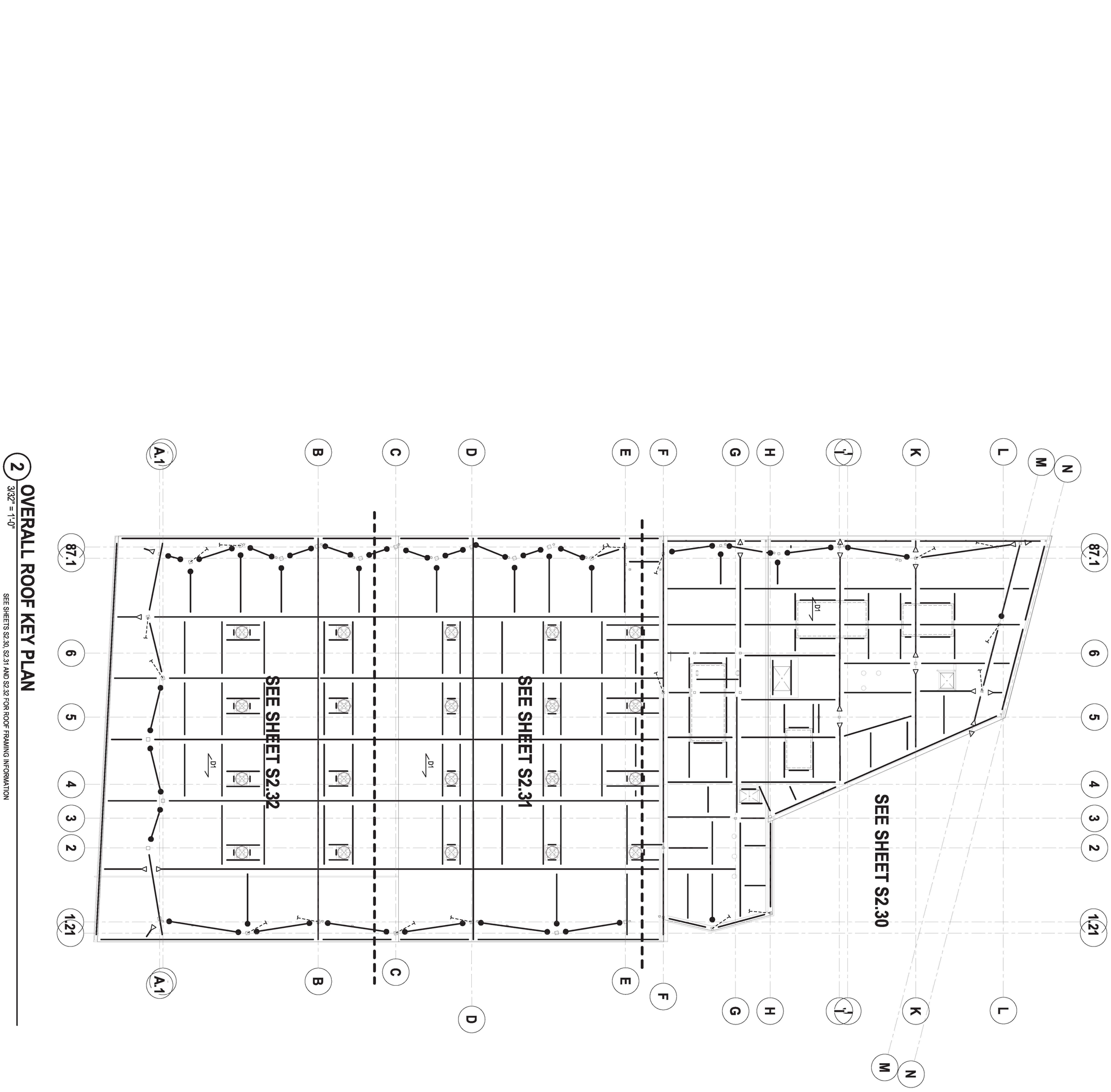

2 OVERALL ROOF KEY PLAN

3/32" = 1'-0"

SEE SHEETS S2.30, S2.31 AND S2.32 FOR ROOF FRAMING INFORMATION

NOUS
5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213 627 6687
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Project Status
PROJECT ISSUE DATE: Issue Date

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DRAWING NO. S2.01 SHEET NO. OF SHEETS
PLAN FILE NO.
WORK ORDER NO. E1908203

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ROOF PLAN
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: TH	Issue Date
DRAWN BY: TC	Issue Date
CHECKED BY: OG	Issue Date
APPROVED BY:	Issue Date

REGISTERED PROFESSIONAL ENGINEER OMAR LEONEL GARZA EXP 12/31/2023 55593 STATE OF CALIFORNIA STRUCTURAL

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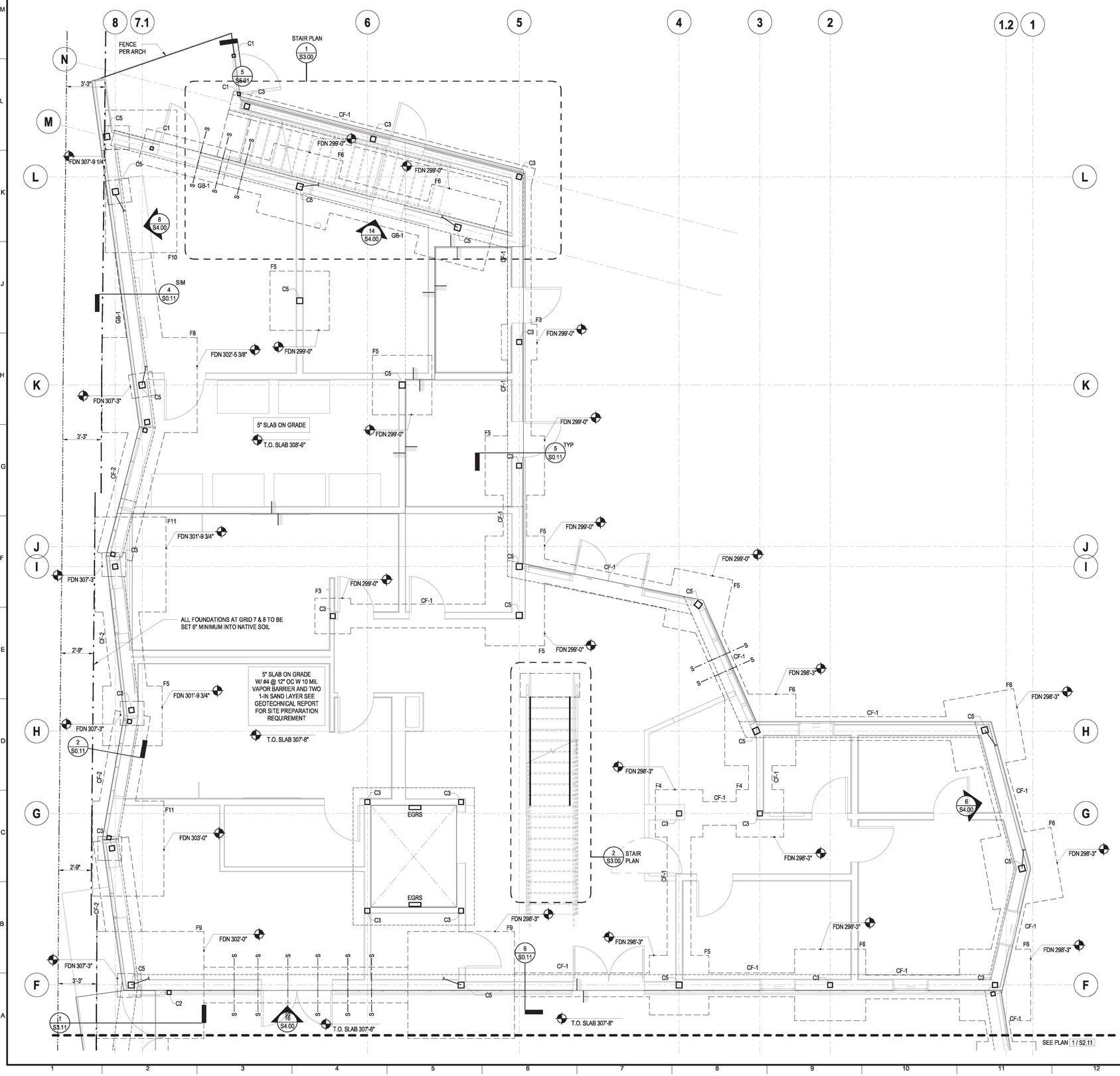

1 FOUNDATION LEVEL - ENLARGED PLAN
1/4" = 1'-0"

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE IN THE REPORTS DATED 3-25-20 AND 12-8-22 EASTON FORCIER, GE 2948

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.8888
HELLO@VOSSENGINEERING.COM

STEEL COLUMN SCHEDULE

TYPE MARK	COLUMN TYPE	BASE PLATE DIMENSIONS			ANCHOR RODS	
		B	N	t	MARK	EMBED
C1	HSS3X3X1/8	4"	5"	3/8"	(2) 1/2" DIA	12"
C2	HSS4X4X3/8	5"	8"	1/2"	(2) 5/8" DIA	12"
C3	HSS5X5X1/2	11"	11"	3/4"	(4) 3/4" DIA	18"
C4	HSS3X3X1/4	4"	5"	3/8"	(2) 1/2" DIA	12"
C5	HSS8X8X5/8	22"	12"	1 1/4"	(8) 1" DIA-HS	18"
C6	HSS8X8X5/8	24"	14"	1 1/2"	(8) 1 1/4" DIA-HS	24"

GRADE BEAM SCHEDULE

TYPE MARK	WIDTH, W	DEPTH, D	LONGITUDINAL REINFORCEMENT		SIDE BARS (EA SIDE)	TRANSVERSE REINF
			TOP BARS	BOTTOM BARS		TIES
			T1	B1		
GB-1	3' - 0"	2'-0"	(4) #8	(4) #8	(1) #6	#4 @ 8" OC

CONTINUOUS FOOTING SCHEDULE

TYPE MARK	WIDTH, W	DEPTH, D	TOP BARS	BOTTOM BARS	TRANSVERSE REINF
CF-1	2' - 0"	2'-0"	(3) #6	(3) #6	#5 @ 12"OC
CF-2	3' - 0"	2'-0"	(5) #6	(5) #6	#5 @ 12"OC
CF-3	2' - 0"	1'-6"	(5) #6	(5) #6	#5 @ 12"OC

PAD FOOTING SCHEDULE

TYPE MARK	WIDTH, W	LENGTH, B	DEPTH, D	TOP BARS	BOTTOM BARS
F3	3' - 0"	3'-0"	2'-0"	(4) #8 EA WAY	(4) #8 EA WAY
F4	4' - 0"	4'-0"	2'-0"	(5) #8 EA WAY	(5) #8 EA WAY
F5	5' - 0"	5'-0"	2'-0"	(6) #8 EA WAY	(6) #8 EA WAY
F6	6' - 0"	6'-0"	2'-0"	(8) #8 EA WAY	(8) #8 EA WAY
F8	8' - 0"	8'-0"	2'-0"	(10) #8 EA WAY	(10) #8 EA WAY
F9	9' - 0"	9'-0"	3'-0"	(12) #8 EA WAY	(12) #8 EA WAY
F10	9' - 0"	12'-0"	3'-0"	#8 @ 12" OC EA WAY	#8 @ 12" OC EA WAY
F11	6' - 0"	8'-0"	2'-0"	(6) #8 EA WAY	(6) #8 EA WAY
F12	8' - 0"	11'-0"	2'-0"	(10) #8 EA WAY	(10) #8 EA WAY

FOUNDATION PLAN NOTES

1. THE SEISMIC DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CHAPTERS A TO F OF THE SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. WELDED JOINTS SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER J OF THE SPECIFICATION AND A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.8/D1.8M AND APPROVED BY THE ENGINEER OF RECORD. *PROVIDE WELDING PROCEDURE SPECIFICATION* ON PLANS.
3. ALL COMPLETE-JOINT-PENETRATION GROOVE WELDS USED IN THE SEISMIC FORCE RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20FT-LBS AT MINUS 20 DEG F AND 40 FT-LBS AT 70 DEG F.
4. DISCONTINUITIES IN WELD CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR-ARC GOUGING AND FLAME CUTTING, SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OF RECORD.
5. ALL BOLTS USED AS A PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL BE FULLY TENSIONED HIGH STRENGTH BOLTS.
6. THE SPECIFICATION AND FABRICATION FOR STEEL FRAMES SHALL COMPLY WITH ATTACHED WELDING AND FABRICATION PROCEDURES.
7. REFER TO S0 SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
8. ALL SETTING OUT DIMENSIONS ARE TO BE READ IN CONJUNCTION AND CONFIRMED WITH ARCHITECTURAL DRAWINGS.
9. PRIOR TO REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER/GEOTECHNICAL CONSULTANT SHALL INSPECT AND APPROVE THE FOUNDATION EXCAVATIONS.
10. EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
11. CURBS AND DEPRESSIONS ARE SHOWN FOR REFERENCE ONLY. SEE ARCH DWGS A202 FOR LOCATIONS, HEIGHT, AND THICKNESS.
12. SEE ARCH DWGS FOR EDGE OF SLAB LOCATIONS.
13. VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATIONS. NOTIFY ARCHITECT PRIOR TO EXCAVATION IN THE EVENT SUCH UTILITIES ARE ENCOUNTERED.
14. FOR DRAINAGE DETAILS, SUMPS, PITS, DAMP PROOFING, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE A202 AND DRAWINGS OTHER THAN STRUCTURAL.
15. SLAB CONSTRUCTION AND CONTROL JOINT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO PLACING ANY CONCRETE.
16. PROVIDE A 6" CURB AT EXTERIOR TIMBER WALLS. SEE ARCHITECTURAL DRAWINGS A202 FOR LOCATIONS.
17. ALL EXPOSED OVER-EXCAVATION BOTTOMS SHALL BE SCARIFIED AT LEAST 6 INCHES, MOISTURE CONDITIONED, AND COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION (RC) AS DETERMINED BY ASTM D1557. THE EXCAVATION BOTTOM SHALL BE OBSERVED, TESTED, AND APPROVED BY A REPRESENTATIVE OF THE GED AND THE LADBS, GRADING INSPECTOR PRIOR TO PLACEMENT OF CERTIFIED FILL OR ANY FOUNDATION BEARING ON NATIVE SOILS. REFER TO SOILS REPORT FOR ANY ADDITIONAL INFORMATION.

FOUNDATION PLAN LEGEND

—— / —— INDICATES STEP IN SLAB PER 10 / S0.11

S-A—·—·—S-A INDICATES STEP IN FOOTING PER 11 / S0.10

C# INDICATES STEEL COLUMN TYPE, FOR ADDITIONAL INFORMATION REFER TO SCHEDULE

EGRS INDICATES ELEVATOR GUIDERAIL SUPPORT
PROVIDE HSS 12X4X1/2 AT EACH SUPPORT SEE 15 / S0.24
COORDINATE LOCATION WITH ELEVATOR MANUFACTURER

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CITY OF LOS ANGELES

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NO.	REVISION DESCRIPTION	DATE	BY
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BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER

DATE:	Issue Date	Issue Date	Issue Date	Issue Date	Issue Date	Issue Date	Issue Date	Issue Date
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115								
DESIGNED BY: TH								
DRAWN BY: TC								
CHECKED BY: OG								
APPROVED BY:								

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

CITY OF LOS ANGELES
DEPARTMENT OF GENERAL SERVICES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: FOUNDATION LEVEL - ENLARGED PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. S2.10

SHEET NO. OF SHEETS

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FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

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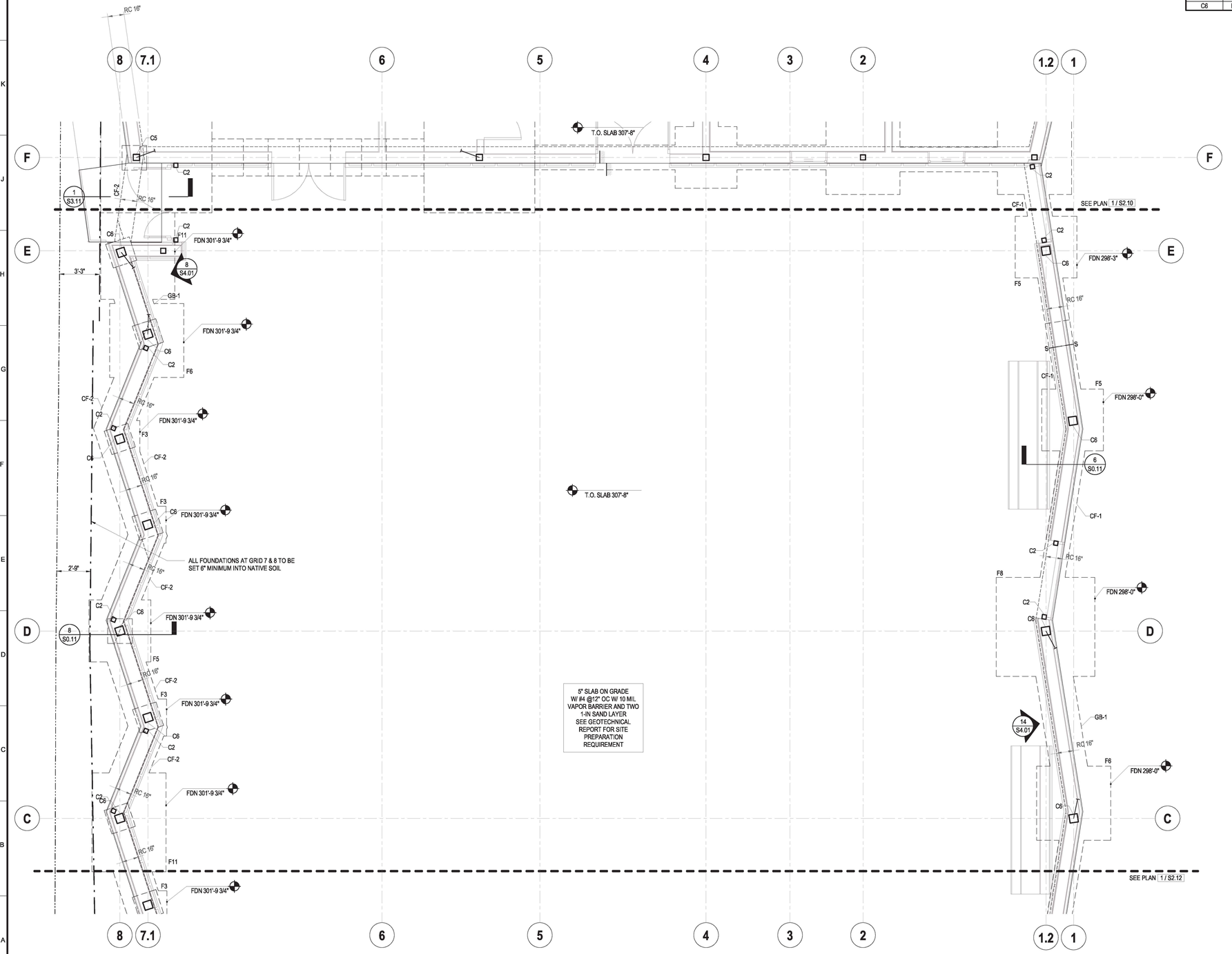


1 FOUNDATION FLOOR - NORTH ENLARGED GYM

1/4" = 1'-0"

STEEL COLUMN SCHEDULE						
TYPE MARK	COLUMN TYPE	BASE PLATE DIMENSIONS			ANCHOR RODS	
		B	N	t	MARK	EMBED
C1	HSS3X3X1/8	4"	6"	3/8"	(2) 1/2" DIA	12"
C2	HSS4X4X3/8	5"	8"	1/2"	(2) 5/8" DIA	12"
C3	HSS5X5X1/2	11"	11"	3/4"	(4) 3/4" DIA	18"
C4	HSS3X3X1/4	4"	6"	3/8"	(2) 1/2" DIA	12"
C5	HSS6X6X5/8	22"	12"	1 1/4"	(8) 1" DIA-HS	18"
C6	HSS8X8X5/8	24"	14"	1 1/2"	(8) 1 1/4" DIA-HS	24"

GRADE BEAM SCHEDULE						
TYPE MARK	WIDTH, W	DEPTH, D	LONGITUDINAL REINFORCEMENT		SIDE BARS (EA SIDE)	TRANSVERSE REINF
			TOP BARS	BOTTOM BARS		TIES
			T1	B1		
GB-1	3' - 0"	2'-0"	(4) #8	(4) #8	(1) #6	#4 @ 8" OC

PAD FOOTING SCHEDULE					
TYPE MARK	WIDTH, W	LENGTH, B	DEPTH, D	TOP BARS	BOTTOM BARS
F3	3' - 0"	3'-0"	2'-0"	(4) #8 EA WAY	(4) #8 EA WAY
F4	4' - 0"	4'-0"	2'-0"	(5) #8 EA WAY	(5) #8 EA WAY
F5	5' - 0"	5'-0"	2'-0"	(6) #8 EA WAY	(6) #8 EA WAY
F6	6' - 0"	6'-0"	2'-0"	(8) #8 EA WAY	(8) #8 EA WAY
F8	8' - 0"	8'-0"	2'-0"	(10) #8 EA WAY	(10) #8 EA WAY
F9	9' - 0"	9'-0"	3'-0"	(12) #8 EA WAY	(12) #8 EA WAY
F10	6' - 0"	12'-0"	3'-0"	#8 @ 12" OC EA WAY	#8 @ 12" OC EA WAY
F11	6' - 0"	8'-0"	2'-0"	(6) #8 EA WAY	(6) #8 EA WAY
F12	8' - 0"	11'-0"	2'-0"	(10) #8 EA WAY	(10) #8 EA WAY

CONTINUOUS FOOTING SCHEDULE					
TYPE MARK	WIDTH, W	DEPTH, D	TOP BARS	BOTTOM BARS	TRANSVERSE REINF
CF-1	2' - 0"	2'-0"	(3) #6	(3) #6	#5 @ 12"OC
CF-2	3' - 0"	2'-0"	(5) #6	(5) #6	#5 @ 12"OC
CF-3	2' - 0"	1'-6"	(5) #6	(5) #6	#5 @ 12"OC

FOUNDATION PLAN NOTES

1. THE SEISMIC DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CHAPTERS A TO F OF THE SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. WELDED JOINTS SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER J OF THE SPECIFICATION AND A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.8/D1.8M AND APPROVED BY THE ENGINEER OF RECORD. "PROVIDE WELDING PROCEDURE SPECIFICATION" ON PLANS.
3. ALL COMPLETE-JOINT-PENETRATION GROOVE WELDS USED IN THE SEISMIC FORCE RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20FT-LBS AT MINUS 20 DEG F AND 40 FT-LBS AT 70 DEG F.
4. DISCONTINUITIES IN WELD CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR-ARC GOUGING AND FLAME CUTTING, SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OF RECORD.
5. ALL BOLTS USED AS A PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL BE FULLY TENSIONED HIGH STRENGTH BOLTS.
6. THE SPECIFICATION AND FABRICATION FOR STEEL FRAMES SHALL COMPLY WITH ATTACHED WELDING AND FABRICATION PROCEDURES.
7. REFER TO S0 SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
8. ALL SETTING OUT DIMENSIONS ARE TO BE READ IN CONJUNCTION AND CONFIRMED WITH ARCHITECTURAL DRAWINGS.
9. PRIOR TO REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER/GEOTECHNICAL CONSULTANT SHALL INSPECT AND APPROVE THE FOUNDATION EXCAVATIONS.
10. EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
11. CURBS AND DEPRESSIONS ARE SHOWN FOR REFERENCE ONLY. SEE ARCH DWGS A202 FOR LOCATIONS, HEIGHT, AND THICKNESS.
12. SEE ARCH DWGS FOR EDGE OF SLAB LOCATIONS.
13. VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATIONS. NOTIFY ARCHITECT PRIOR TO EXCAVATION IN THE EVENT SUCH UTILITIES ARE ENCOUNTERED.
14. FOR DRAINAGE DETAILS, SUMPS, PITS, DAMP PROOFING, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE A202 AND DRAWINGS OTHER THAN STRUCTURAL.
15. SLAB CONSTRUCTION AND CONTROL JOINT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO PLACING ANY CONCRETE.
16. PROVIDE A 6" CURB AT EXTERIOR TIMBER WALLS. SEE ARCHITECTURAL DRAWINGS A202 FOR LOCATIONS.
17. ALL EXPOSED OVER-EXCAVATION BOTTOMS SHALL BE SCARIFIED AT LEAST 6 INCHES, MOISTURE CONDITIONED, AND COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION (RC) AS DETERMINED BY ASTM D1557. THE EXCAVATION BOTTOM SHALL BE OBSERVED, TESTED, AND APPROVED BY A REPRESENTATIVE OF THE GED AND THE LADBS, GRADING INSPECTOR PRIOR TO PLACEMENT OF CERTIFIED FILL OR ANY FOUNDATION BEARING ON NATIVE SOILS. REFER TO SOILS REPORT FOR ANY ADDITIONAL INFORMATION.

FOUNDATION PLAN LEGEND

—— INDICATES STEP IN SLAB PER 10 / S0.11

S-A—·—·—S-A INDICATES STEP IN FOOTING PER 11 / S0.10

C# INDICATES STEEL COLUMN TYPE, FOR ADDITIONAL INFORMATION REFER TO SCHEDULE

EGRS INDICATES ELEVATOR GUIDERAIL SUPPORT PROVIDE HSS 12X4X1/2 AT EACH SUPPORT SEE 15 / S0.24 COORDINATE LOCATION WITH ELEVATOR MANUFACTURER

BUREAU OF ENGINEERING OFFICIAL RECORD

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE IN THE REPORTS DATED 3-25-20 AND 12-8-22 EASTON FORCIER, GE 2948

NAC
5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213 627 8888
HELLO@NACSTRUCTURALENGINEERING.COM

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
DATE:

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: FOUNDATION FLOOR - NORTH ENLARGED GYM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

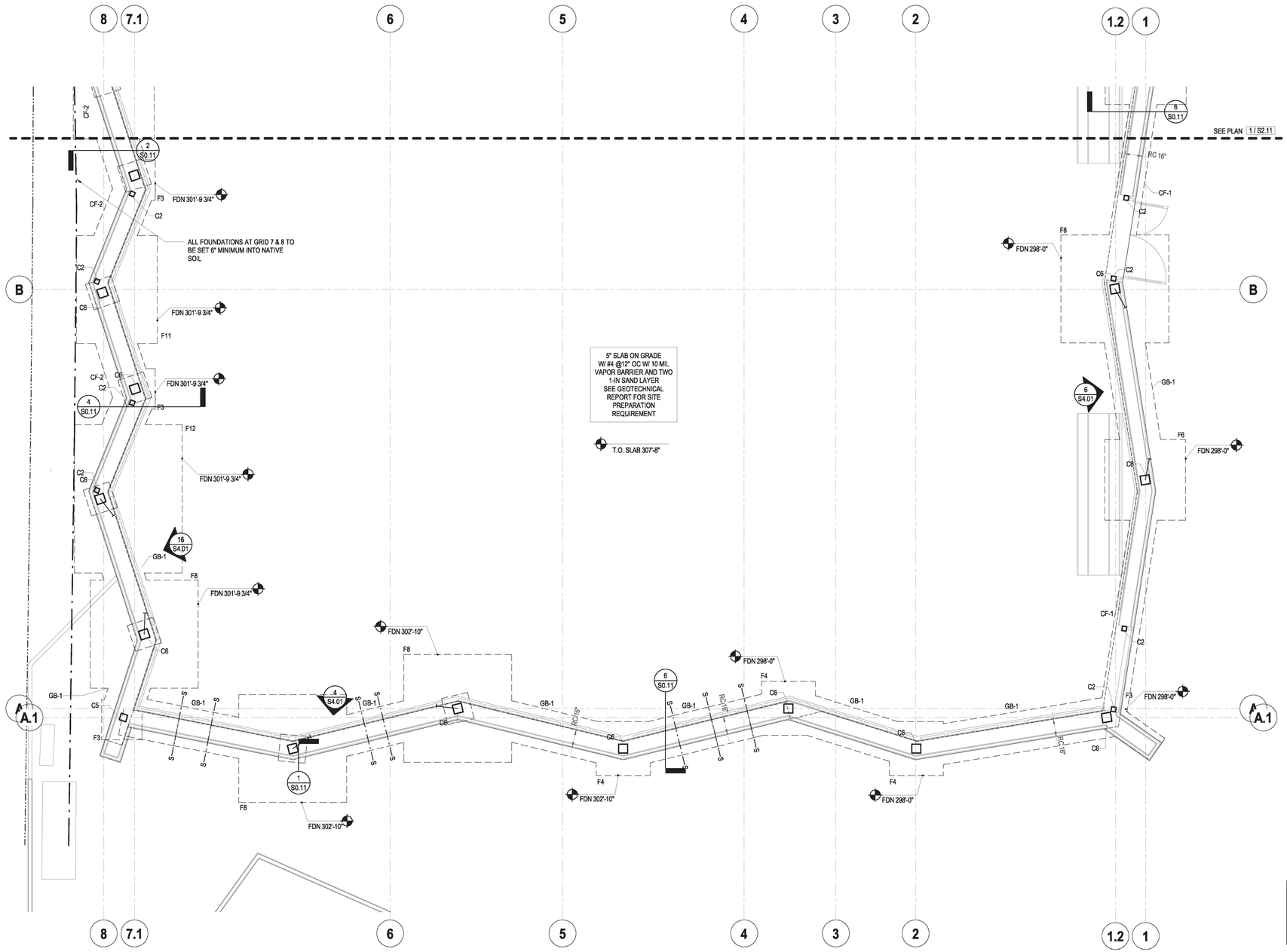
WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S2.11
SHEET 0 OF SHEETS

PLOTTED:11/15/2023 1:08:36 PM

REVISION DATES (DESIGN STAGE ONLY)

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE:: 06/30/2016
SHEET ISSUE DATE:: 10/21/20
FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt



1 FOUNDATION FLOOR - SOUTH ENLARGED GYM

1/4" = 1'-0"

STEEL COLUMN SCHEDULE

TYPE MARK	COLUMN TYPE	BASE PLATE DIMENSIONS			ANCHOR RODS	
		B	N	t	MARK	EMBED
C1	HSS3X3X1/8	4"	6"	3/8"	(2) 1/2" DIA	12"
C2	HSS4X4X3/8	5"	8"	1/2"	(2) 5/8" DIA	12"
C3	HSS5X5X1/2	11"	11"	3/4"	(4) 3/4" DIA	18"
C4	HSS3X3X1/4	4"	8"	3/8"	(2) 1/2" DIA	12"
C5	HSS6X6X5/8	22"	12"	1 1/4"	(8) 1" DIA-HS	18"
C6	HSS8X8X5/8	24"	14"	1 1/2"	(8) 1 1/4" DIA-HS	24"

GRADE BEAM SCHEDULE

TYPE MARK	WIDTH, W	DEPTH, D	LONGITUDINAL REINFORCEMENT		SIDE BARS (EA SIDE)	TRANSVERSE REINF
			TOP BARS	BOTTOM BARS		TIES
			T1	B1		
GB-1	3' - 0"	2'-0"	(4) #8	(4) #8	(1) #6	#4 @ 8" OC

PAD FOOTING SCHEDULE

TYPE MARK	WIDTH, W	LENGTH, B	DEPTH, D	TOP BARS	BOTTOM BARS
F3	3' - 0"	3'-0"	2'-0"	(4) #8 EA WAY	(4) #8 EA WAY
F4	4' - 0"	4'-0"	2'-0"	(5) #8 EA WAY	(5) #8 EA WAY
F5	5' - 0"	5'-0"	2'-0"	(6) #8 EA WAY	(6) #8 EA WAY
F6	6' - 0"	6'-0"	2'-0"	(8) #8 EA WAY	(8) #8 EA WAY
F8	8' - 0"	8'-0"	2'-0"	(10) #8 EA WAY	(10) #8 EA WAY
F9	9' - 0"	9'-0"	3'-0"	(12) #8 EA WAY	(12) #8 EA WAY
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F11	6' - 0"	8'-0"	2'-0"	(6) #8 EA WAY	(6) #8 EA WAY
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CONTINUOUS FOOTING SCHEDULE

TYPE MARK	WIDTH, W	DEPTH, D	TOP BARS	BOTTOM BARS	TRANSVERSE REINF
CF-1	2' - 0"	2'-0"	(3) #6	(3) #6	#5 @ 12"OC
CF-2	3' - 0"	2'-0"	(5) #6	(5) #6	#5 @ 12"OC
CF-3	2' - 0"	1'-6"	(5) #6	(5) #6	#5 @ 12"OC

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FOUNDATION PLAN LEGEND

INDICATES STEP IN SLAB PER 10 / S0.11

S-A — · — · — S-A INDICATES STEP IN FOOTING PER 11 / S0.10

C# INDICATES STEEL COLUMN TYPE, FOR ADDITIONAL INFORMATION REFER TO SCHEDULE

EGRS INDICATES ELEVATOR GUIDERAIL SUPPORT PROVIDE HSS 12X4X1/2 AT EACH SUPPORT SEE 15 / S0.24 COORDINATE LOCATION WITH ELEVATOR MANUFACTURER

BUREAU OF ENGINEERING OFFICIAL RECORD

THIS PLAN HAS BEEN REVIEWED BY THE BUREAU OF ENGINEERING, GEOTECHNICAL ENGINEERING DIVISION AND FOUND TO BE IN CONFORMANCE IN THE REPORTS DATED 3-25-20 AND 12-8-22 EASTON FORCIER, GE 2948

LOS ANGELES STRUCTURAL SYSTEMS
5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213 627 8888
HELLO@LOSSTRUCTURALSYSTEMS.COM

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:
DATE:

Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: FOUNDATION FLOOR - SOUTH ENLARGED GYM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. S2.12
SHEET O F SHEETS

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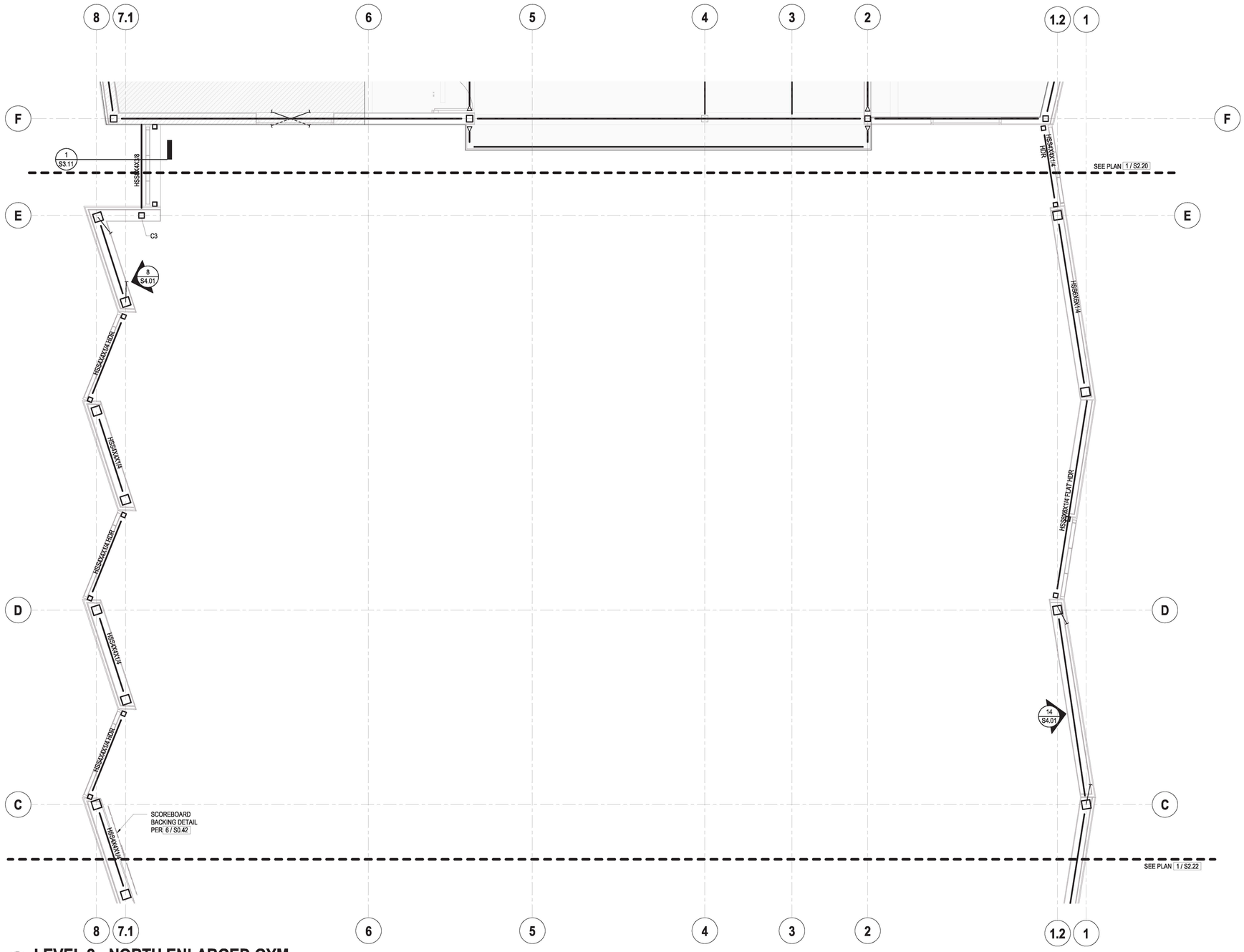
TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/21/20
FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

REVISION DATES (DESIGN STAGE ONLY)


STAIR PLAN
3
S3.00
W12X30 (24)
W16X67 (13)
W12X30
W12X30 (12)
W14X48 (16)
W14X48 (20)
W12X30
W14X48
W14X48 (16)
W14X48 (16)
19
S0.31
W14X48 (34) c=1 1/2"
TOD: 319'-9 1/2"
S1
W14X48 (17)
W14X61 (53)
6
S0.21
TYP
W12X22 (6)
13
S0.31
W14X68 (48)
W12X30
W12X22 (6)
W12X22 (8)
W14X48
W12X30 (32)
W12X30 (8)
W12X30 (4)
TOD: 319'-9 1/2"
W12X30 (8)
W12X30 (32)
W12X30 (8)
W12X50 (12)
W12X30 (6)
W14X53 (32)
16
S4.00
W8X18
W14X43 c=1 1/4"
W8X24 (24)
W8X24
HSS5X5X1/2 (LOW)
9
S0.22
HSS5X5X1/2 (LOW)
W14X48 (32)
W12X19
13
S0.31
W12X19
W12X19
TOD: 319'-9 1/2"
W12X30
W12X30
W12X19
W12X19
S1
6
S4.00
W14X53 (16)
W12X30
W12X30
W12X30



1 LEVEL 2 - NORTH ENLARGED GYM

1/4" = 1'-0"

STEEL COLUMN SCHEDULE

TYPE MARK	COLUMN TYPE	BASE PLATE DIMENSIONS			ANCHOR RODS	
		B	N	t	MARK	EMBED
C1	HSS3X3X1/8	4"	6"	3/8"	(2) 1/2" DIA	12"
C2	HSS4X4X3/8					
C3	HSS5X5X1/2	11"	11"	3/4"	(4) 3/4" DIA	18"
C4	HSS3X3X1/4	4"	6"	3/8"	(2) 1/2" DIA	12"
C5	HSS8X8X5/8	12"	12"	3/4"	(4) 3/4" DIA	18"
C6	HSS8X8X5/8	24"	14"	1 1/8"	(6) 1 1/4" DIA-HS	24"

STEEL BEAM LEGEND

SIZE — INDICATES DRAG CONNECTION WITH TWO ROWS OF BOLTS PER DETAIL 4 / S0.22

NUMBER OF HEADED STUDS
IF NO STUD INDICATED
PROVIDE (1) STUD PER LINEAR FOOT OF BEAM
WHERE BEAM SUPPORTS CONCRETE DECKS

REQUIRED CAMBER
(NONE IF OMITTED)

W18x40 (30) c=1"
[TOS: 100'-0"]

TOS FOR CLARIFICATION

INDICATES STEEL CANTILEVER, NON-MOMENT FRAME CONNECTION PER 8 / S0.22 OR 8 / S0.21

FRAMING PLAN NOTES

1. THE SEISMIC DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CHAPTERS A TO F OF THE SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
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3. ALL COMPLETE-JOINT-PENETRATION GROOVE WELDS USED IN THE SEISMIC FORCE RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20FT-LBS AT MINUS 20 DEG F AND 40 FT-LBS AT 70 DEG F.
4. DISCONTINUITIES IN WELD CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR-ARC GOUGING AND FLAME CUTTING, SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OF RECORD.
5. ALL BOLTS USED AS A PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL BE FULLY TENSIONED HIGH STRENGTH BOLTS.
6. THE SPECIFICATION AND FABRICATION FOR STEEL FRAMES SHALL COMPLY WITH ATTACHED WELDING AND FABRICATION PROCEDURES.
7. TOP OF METAL DECK PER PLAN (TOD).
8. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW METAL DECK, UON.
9. REFER TO S0 SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
10. DEPRESSIONS, CURBS, AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO A202 AND DRAWINGS OTHER THAN STRUCTURAL.
11. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
12. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.

FRAMING PLAN LEGEND

- UP / DN — INDICATES SLOPED DECK
- INDICATES DRAG CONNECTION PER 4 / S0.24
- BRACED FRAME BELOW
- BRACED FRAME ABOVE
- INDICATES WALL BELOW
- INDICATES STUD WALL PER ARCH
- INDICATES SLAB DEPRESSION
- INDICATES STEP IN DIAPHRAGM PER 13 / S0.31 15 / S0.31 OR 16 / S0.31
- D1 — INDICATES ONE WAY METAL DECK
  TYPE AND SPAN DIRECTION FOR ADDITIONAL INFORMATION
  REFER TO 5 / S0.31

BUREAU OF ENGINEERING
OFFICIAL RECORD

5060 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@NOSDESIGNENGINEERING.COM

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. RP-300126
BUILDING NO. -

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: LEVEL 2 - NORTH ENLARGED GYM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
E1908203
PLAN FILE NO.
DRAWING NO.
S2.21
SHEET 0 OF SHEETS

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/23/20
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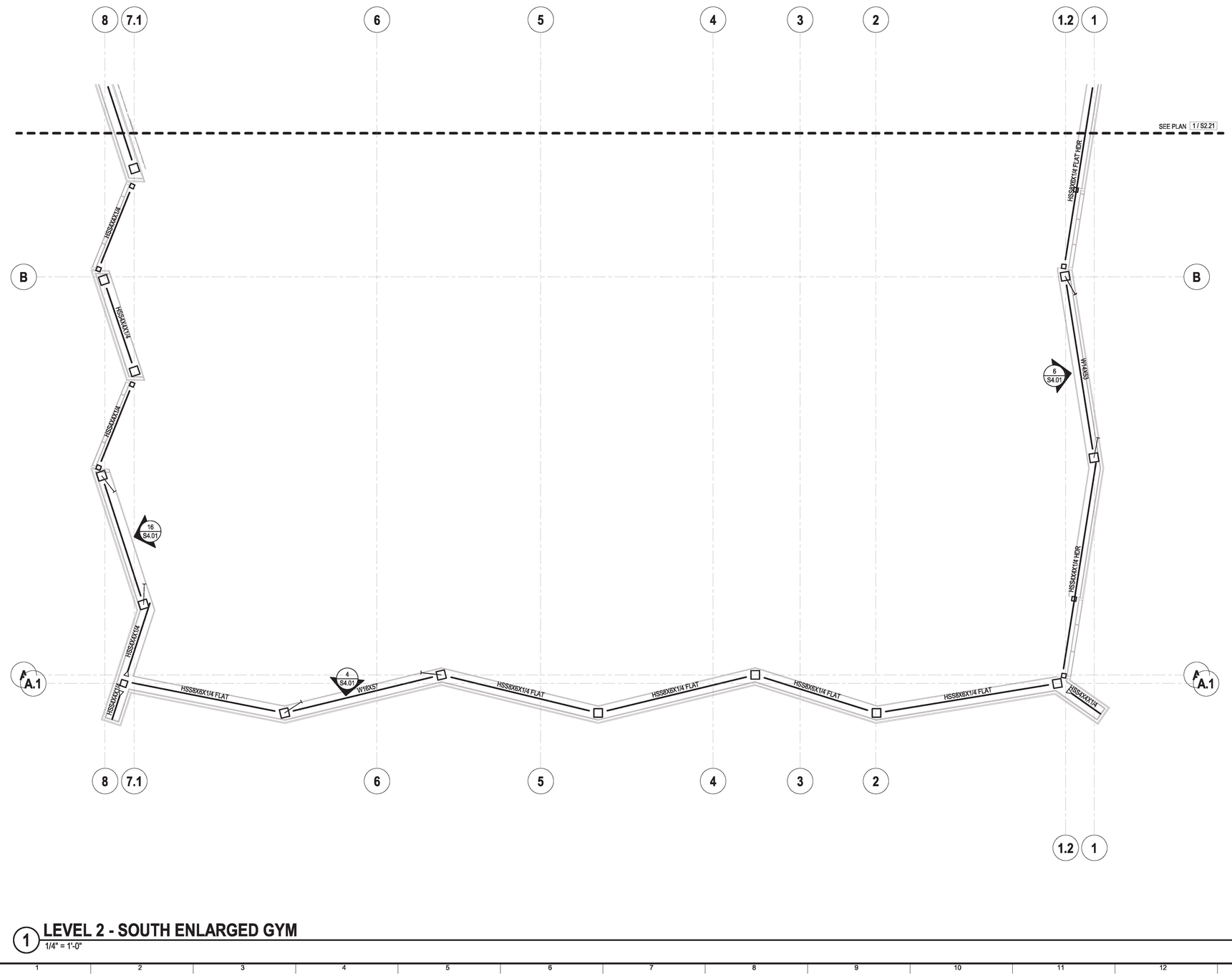
REVISION DATES (DESIGN STAGE ONLY)



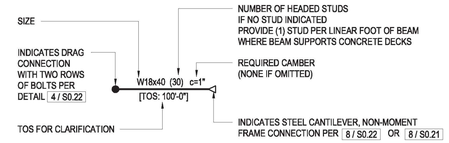
1 LEVEL 2 - SOUTH ENLARGED GYM

1/4" = 1'-0"

STEEL COLUMN SCHEDULE

TYPE MARK	COLUMN TYPE	BASE PLATE DIMENSIONS			ANCHOR RODS	
		B	N	t	MARK	EMBED
C1	HSS3X3X1/8	4"	6"	3/8"	(2) 1/2" DIA	12"
C2	HSS4X4X3/8					
C3	HSS5X5X1/2	11"	11"	3/4"	(4) 3/4" DIA	18"
C4	HSS3X3X1/4	4"	6"	3/8"	(2) 1/2" DIA	12"
C5	HSS6X6X5/8	12"	12"	3/4"	(4) 3/4" DIA	18"
C6	HSS8X8X5/8	24"	14"	1 1/8"	(6) 1 1/4" DIA-HS	24"

STEEL BEAM LEGEND



FRAMING PLAN NOTES

1. THE SEISMIC DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CHAPTERS A TO F OF THE SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. WELDED JOINTS SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER J OF THE SPECIFICATION AND A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.8/D1.8M AND APPROVED BY THE ENGINEER OF RECORD. "PROVIDE WELDING PROCEDURE SPECIFICATION" ON PLANS.
3. ALL COMPLETE-JOINT-PENETRATION GROOVE WELDS USED IN THE SEISMIC FORCE RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20FT-LBS AT MINUS 20 DEG F AND 40 FT-LBS AT 70 DEG F.
4. DISCONTINUITIES IN WELD CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR-ARC GOUGING AND FLAME CUTTING, SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OF RECORD.
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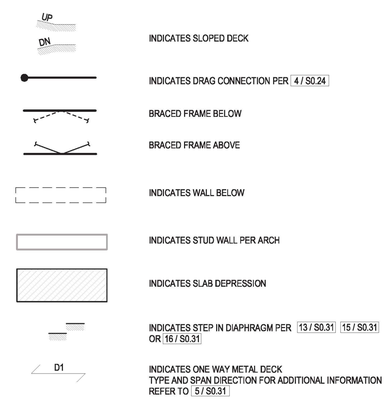
6. THE SPECIFICATION AND FABRICATION FOR STEEL FRAMES SHALL COMPLY WITH ATTACHED WELDING AND FABRICATION PROCEDURES.
7. TOP OF METAL DECK PER PLAN (TOD).
8. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW METAL DECK, UON.
9. REFER TO S0 SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
10. DEPRESSIONS, CURBS, AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO A202 AND DRAWINGS OTHER THAN STRUCTURAL.
11. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
12. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.

FRAMING PLAN LEGEND



BUREAU OF ENGINEERING
OFFICIAL RECORD

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3981
HELLO@NOUSENGINEERING.COM

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
DATE:

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: LEVEL 2 - SOUTH ENLARGED GYM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
S2.22
SHEET NO OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/23/20
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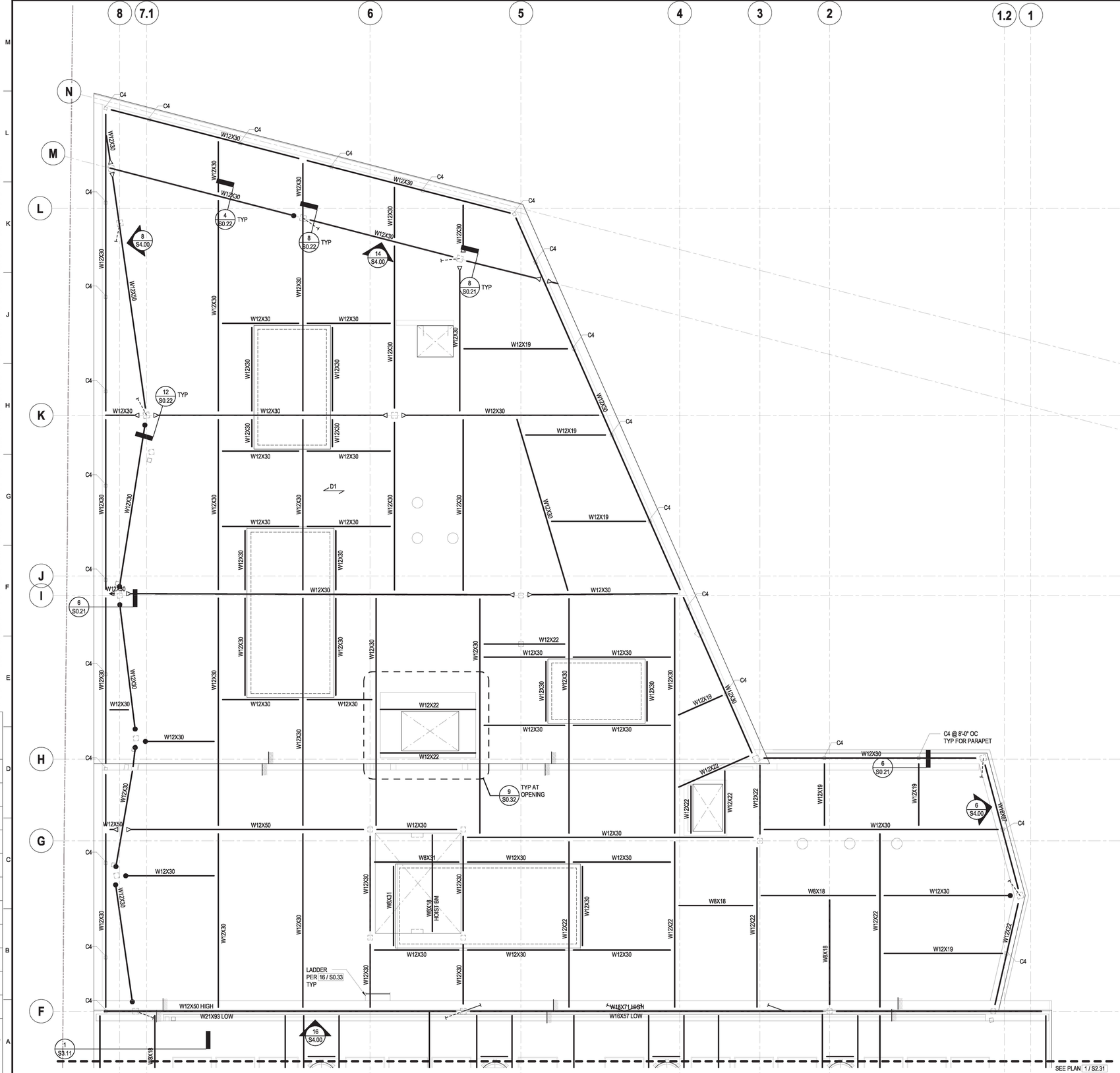

STEEL COLUMN SCHEDULE						
TYPE MARK	COLUMN TYPE	BASE PLATE DIMENSIONS			ANCHOR RODS	
		B	N	t	MARK	EMBED
C1	HSS3X3X1/8	4"	6"	3/8"	(2) 1/2" DIA	12"
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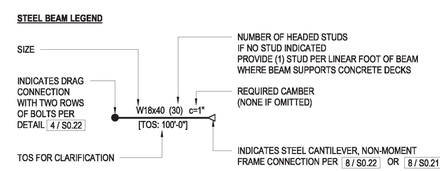
FRAMING PLAN NOTES

1. THE SEISMIC DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH CHAPTERS A TO F OF THE SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. WELDED JOINTS SHALL BE DESIGNED IN ACCORDANCE WITH CHAPTER J OF THE SPECIFICATION AND A WELDING PROCEDURE SPECIFICATION (WPS) AS REQUIRED IN AWS D1.8/D1.8M AND APPROVED BY THE ENGINEER OF RECORD. "PROVIDE WELDING PROCEDURE SPECIFICATION" ON PLANS.
3. ALL COMPLETE-JOINT-PENETRATION GROOVE WELDS USED IN THE SEISMIC FORCE RESISTING SYSTEM SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20FT-LBS AT MINUS 20 DEG F AND 40 FT-LBS AT 70 DEG F.
4. DISCONTINUITIES IN WELD CREATED BY ERRORS OR BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR-ARC GOUGING AND FLAME CUTTING, SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OF RECORD.
5. ALL BOLTS USED AS A PART OF THE SEISMIC FORCE RESISTING SYSTEM SHALL BE FULLY TENSIONED HIGH STRENGTH BOLTS.
6. THE SPECIFICATION AND FABRICATION FOR STEEL FRAMES SHALL COMPLY WITH ATTACHED WELDING AND FABRICATION PROCEDURES.
7. TOP OF METAL DECK PER PLAN (TOD).
8. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW METAL DECK, UON.
9. REFER TO S0 SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
10. DEPRESSIONS, CURBS, AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO A202 AND DRAWINGS OTHER THAN STRUCTURAL.
11. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
12. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.

FRAMING PLAN LEGEND

- UP / DN — INDICATES SLOPED DECK
- INDICATES DRAG CONNECTION PER 4 / S0.24
- BRACED FRAME BELOW
- BRACED FRAME ABOVE
- INDICATES WALL BELOW
- INDICATES STUD WALL PER ARCH
- INDICATES STEP IN DIAPHRAGM PER 13 / S0.31 15 / S0.31 OR 16 / S0.31
- D1 — INDICATES ONE WAY METAL DECK TYPE AND SPAN DIRECTION FOR ADDITIONAL INFORMATION REFER TO 5 / S0.31
- EGRS — INDICATES ELEVATOR GUIDERAIL SUPPORT PROVIDE HSS16X4X1/2 AT EACH SUPPORT SEE 15 / S0.24 COORDINATE LOCATION WITH ELEVATOR MANUFACTURER

STEEL BEAM LEGEND



1 HIGH ROOF - ENLARGED PLAN
1/4" = 1'-0"

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@NOUSENGINEERING.COM

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES
ENGINEERING

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ROOF - ENLARGED PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S2.30
SHEET 0 OF SHEETS

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SHEET ISSUE DATE: 11/10/20
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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/21/20
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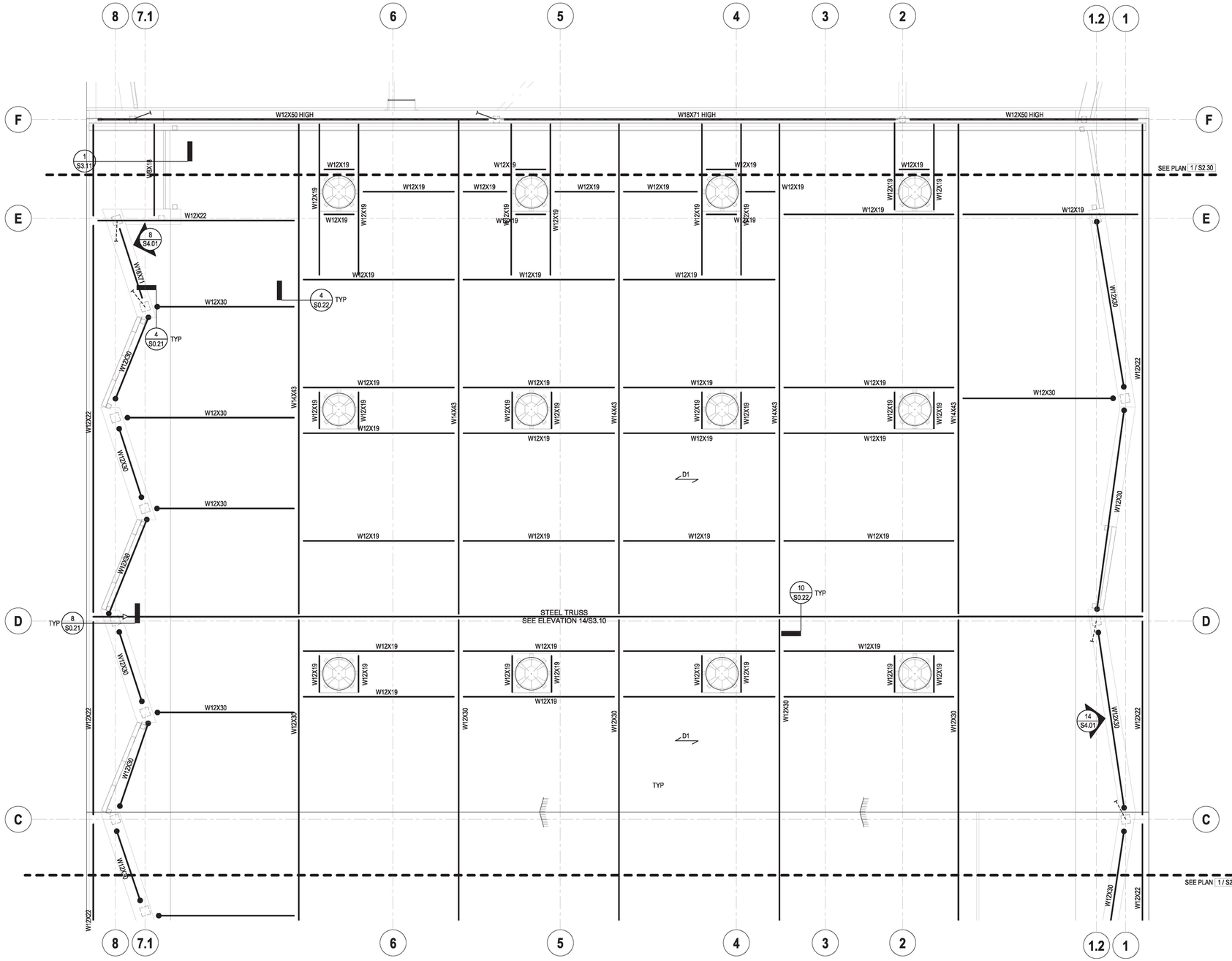

1 GYM ROOF - NORTH ENLARGED PLAN
1/4" = 1'-0"

FRAMING PLAN NOTES

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FRAMING PLAN LEGEND

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- INDICATES DRAG CONNECTION PER 4 / S0.24
- BRACED FRAME BELOW
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- INDICATES WALL BELOW
- INDICATES STUD WALL PER ARCH
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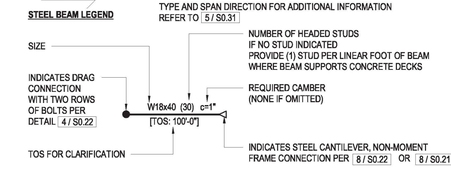
- D1 — INDICATES ONE WAY METAL DECK TYPE AND SPAN DIRECTION FOR ADDITIONAL INFORMATION REFER TO 5 / S0.31

STEEL BEAM LEGEND



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NOUS
5060 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@NOUSENGINEERING.COM

BUREAU OF ENGINEERING

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	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

ENGINEERING — CITY OF LOS ANGELES

REGISTERED PROFESSIONAL ENGINEER — OMAR LEONEL GARCIA — 55593 EXP 12/31/2023 — STRUCTURAL — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:
DATE:

Issue Date | Issue Date | Issue Date | Issue Date | Issue Date | Issue Date

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: GYM ROOF - NORTH ENLARGED PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

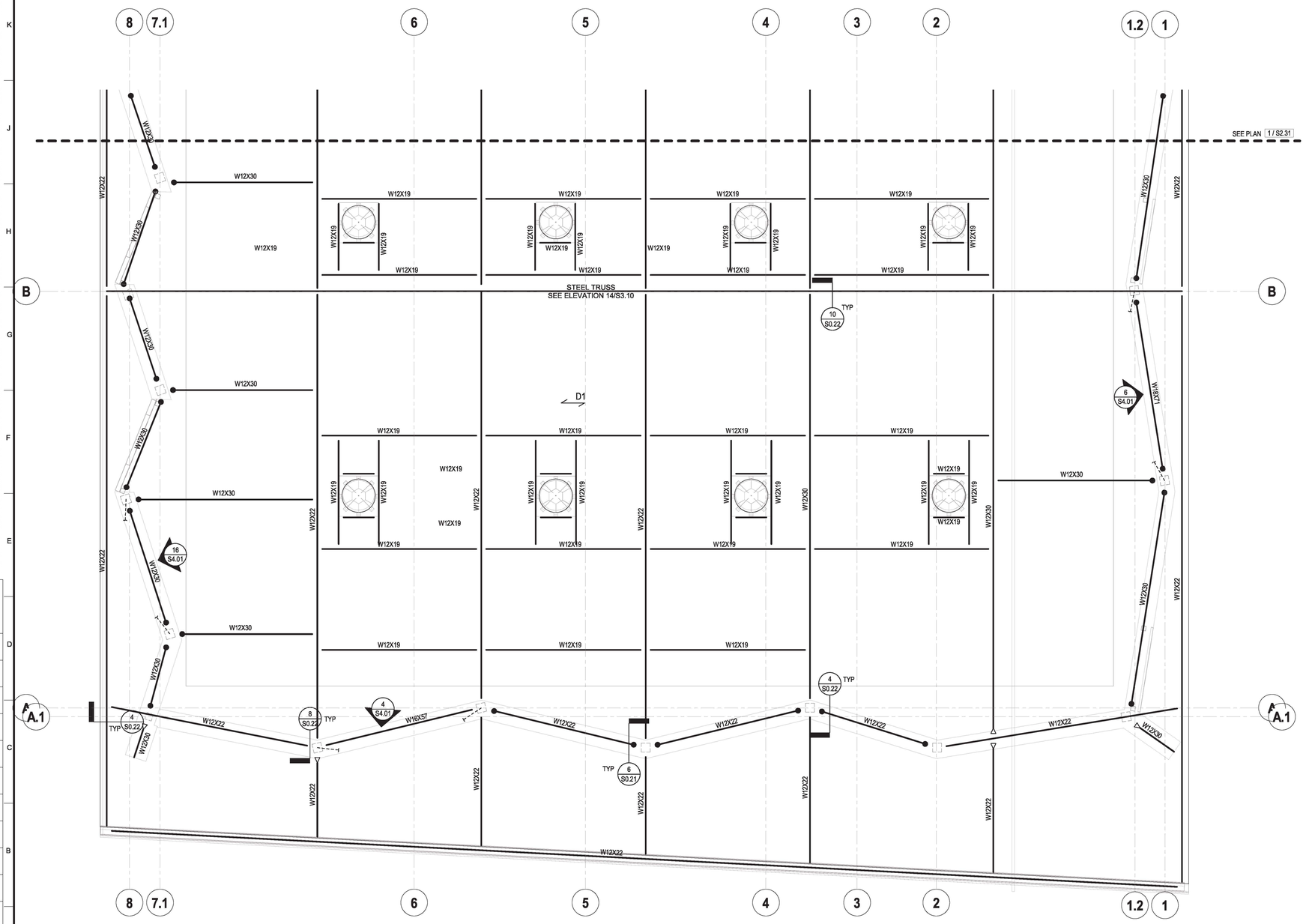
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S2.31
SHEET 0 OF SHEETS

PLOTTED:10/3/2023 4:43:16 PM

REVISION DATES (DESIGN STAGE ONLY)



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FRAMING PLAN LEGEND

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- INDICATES DRAG CONNECTION PER 4 / S0.24
- BRACED FRAME BELOW
- BRACED FRAME ABOVE
- INDICATES WALL BELOW
- INDICATES STUD WALL PER ARCH
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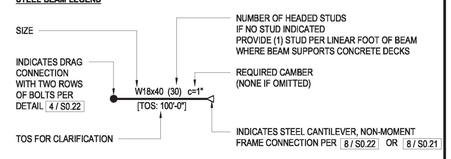
STEEL BEAM LEGEND



BUREAU OF ENGINEERING OFFICIAL RECORD

1 GYM ROOF - SOUTH ENLARGED PLAN
1/4" = 1'-0"

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5060 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3985
HELLO@NOUSENGINEERING.COM

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
ENGINEERING CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

CITY ENGINEER
DATE:
Issue Date
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GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: GYM ROOF - SOUTH ENLARGED PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S2.32
SHEET 0 OF SHEETS

PLOTTED:10/3/2023 4:43:23 PM

REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 10/21/20
FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 06/16/23 FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

REVISION DATES (DESIGN STAGE ONLY)												

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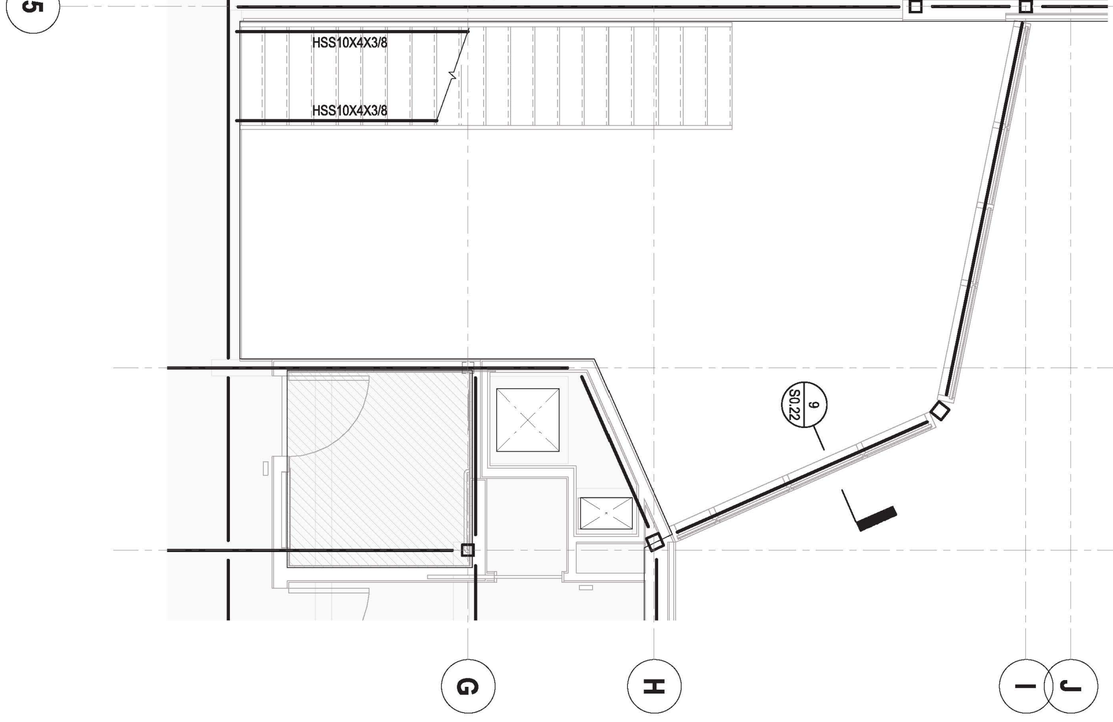
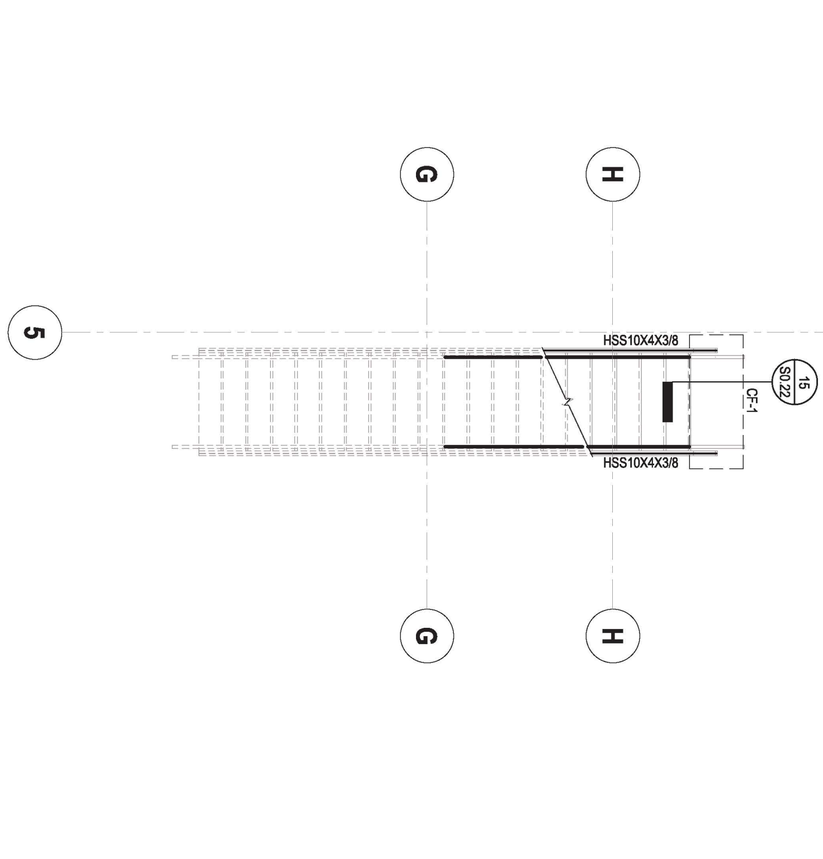
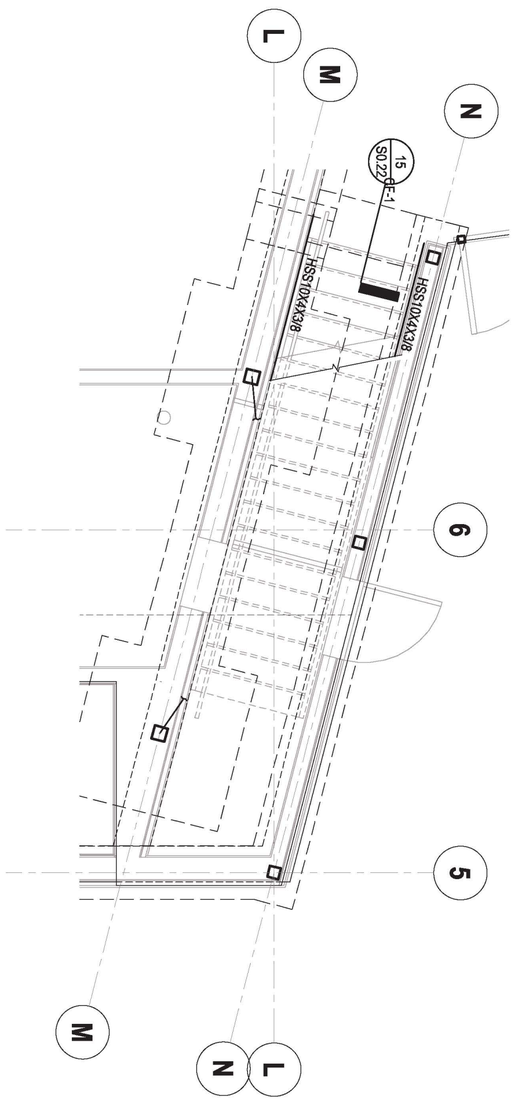


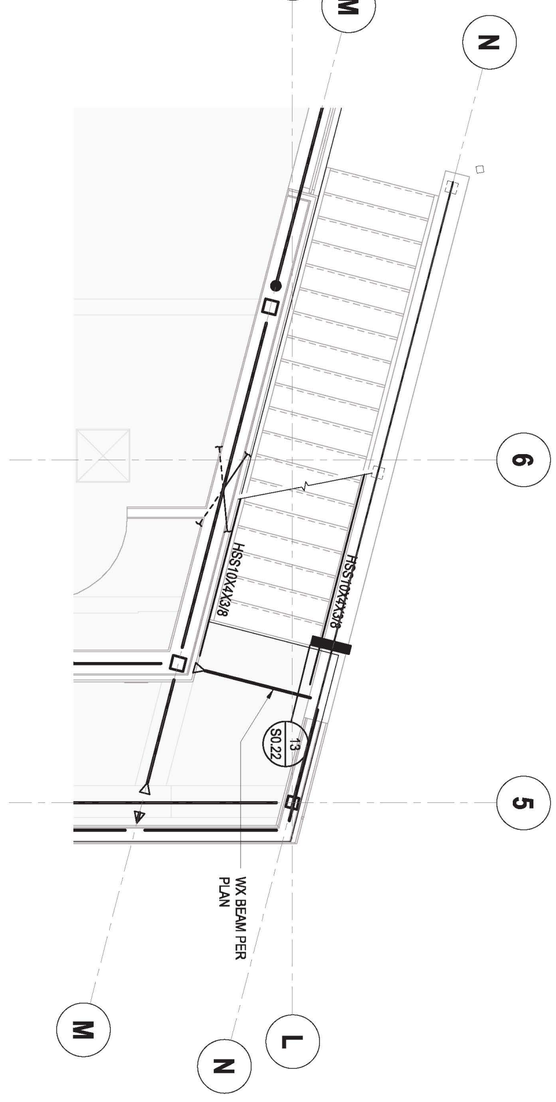
2 FOUNDATION LEVEL - STAIR 2 PLAN
1/4" = 1'-0"



4 LEVEL 2 - STAIR 2 PLAN
1/4" = 1'-0"



1 FOUNDATION LEVEL - STAIR 1 PLAN
1/4" = 1'-0"



3 LEVEL 2 - STAIR 1 PLAN
1/4" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD
CITY OF LOS ANGELES

NOUS
5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213 627 6687
HELLO@NOUSENGINEERING.COM

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

WORK ORDER NO.	PLAN FILE NO.	DRAWING NO.
E1908203		S3.00

SHEET OF SHEETS

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: STAIR ENLARGED PLANS
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: TH	Issue Date
DRAWN BY: TC	Issue Date
CHECKED BY: OG	Issue Date
APPROVED BY:	Issue Date

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
EXP 12/31/2023 S5593
STRUCTURAL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. RP-300126
BUILDING NO. -

ENGINEERING
CITY OF LOS ANGELES

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/04/23 FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

REVISION DATES (DESIGN STAGE ONLY)												

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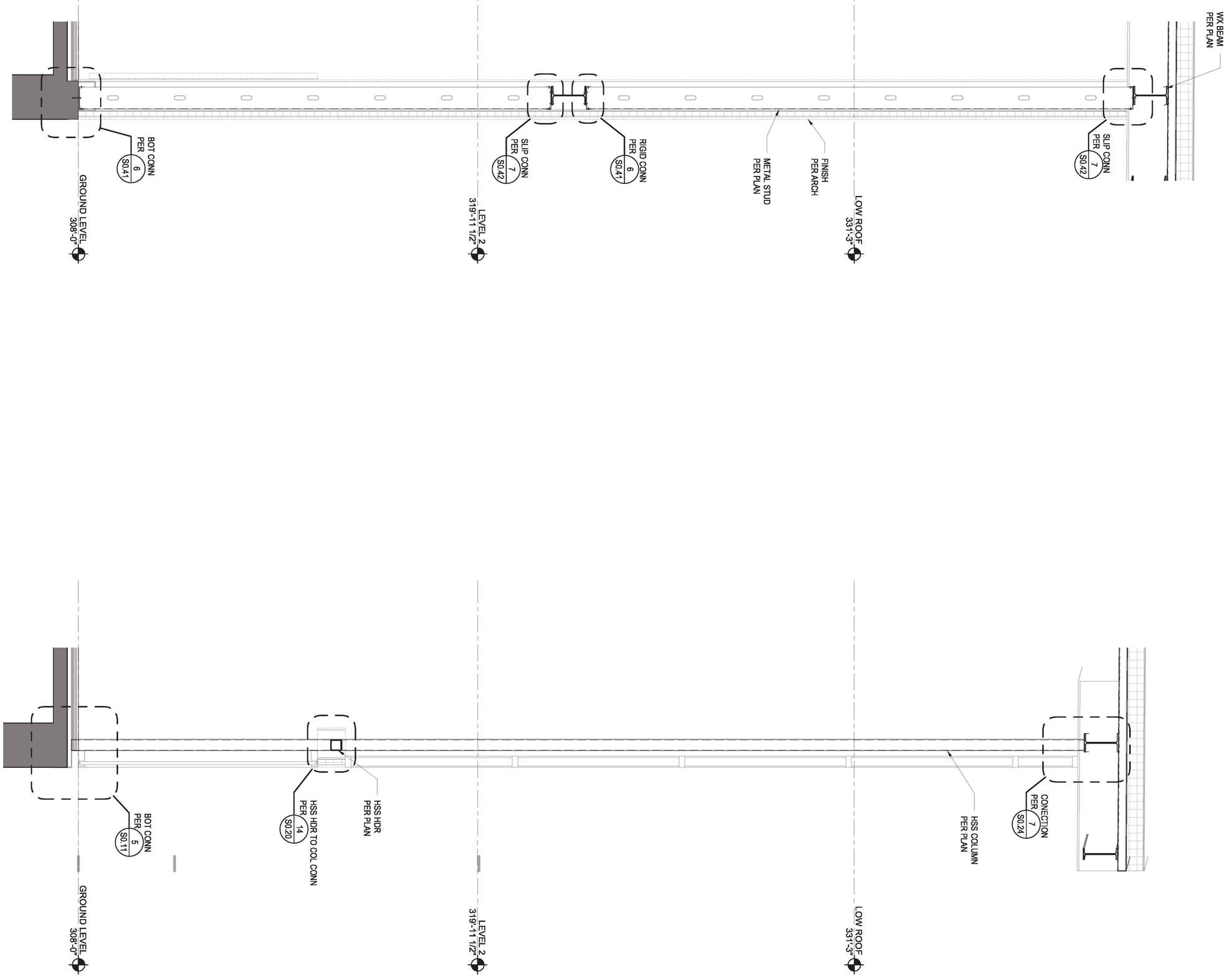
2 TRUSS AND ROOF AT WALL

1/2" = 1'-0"



1 EAST GYM WALL AT DOOR

1/2" = 1'-0"

NOUS
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213 627 6687
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PLOTTED:8/6/2023 1:52:39 PM

WORK ORDER NO.	PLAN FILE NO.	DRAWING NO.
E1908203		SHEET S3.10 OF SHEETS

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: WALL SECTIONS
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: TH	Issue Date
DRAWN BY: TC	Issue Date
CHECKED BY: OG	Issue Date
APPROVED BY:	Issue Date

REGISTERED PROFESSIONAL ENGINEER OMAR LEONEL GARZA EXP 12/31/2023 55593 STATE OF CALIFORNIA STRUCTURAL

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. RP-300126
BUILDING NO. -

ENGINEERING CITY OF LOS ANGELES

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/07/23 FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

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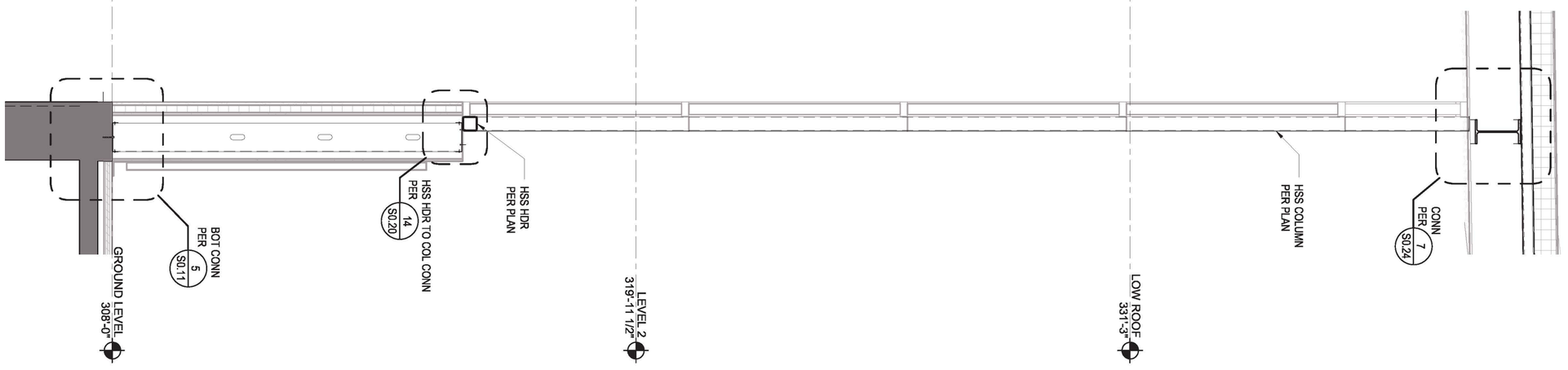
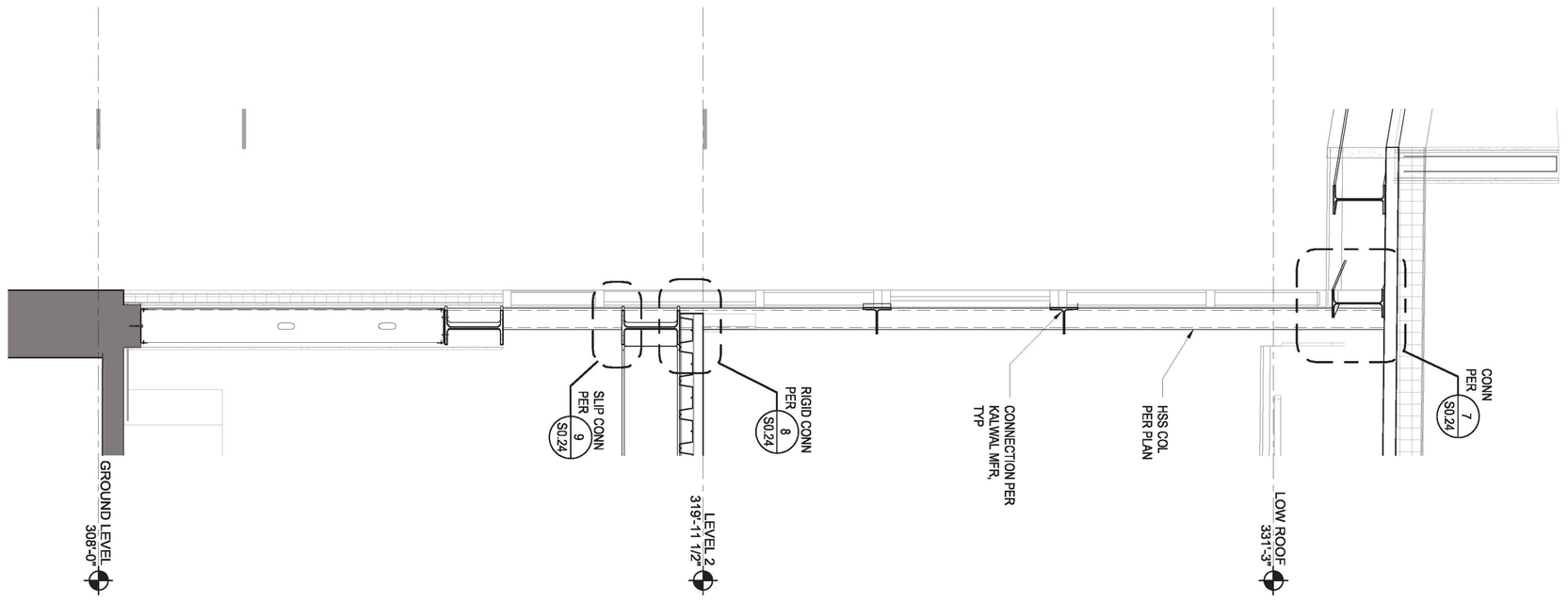
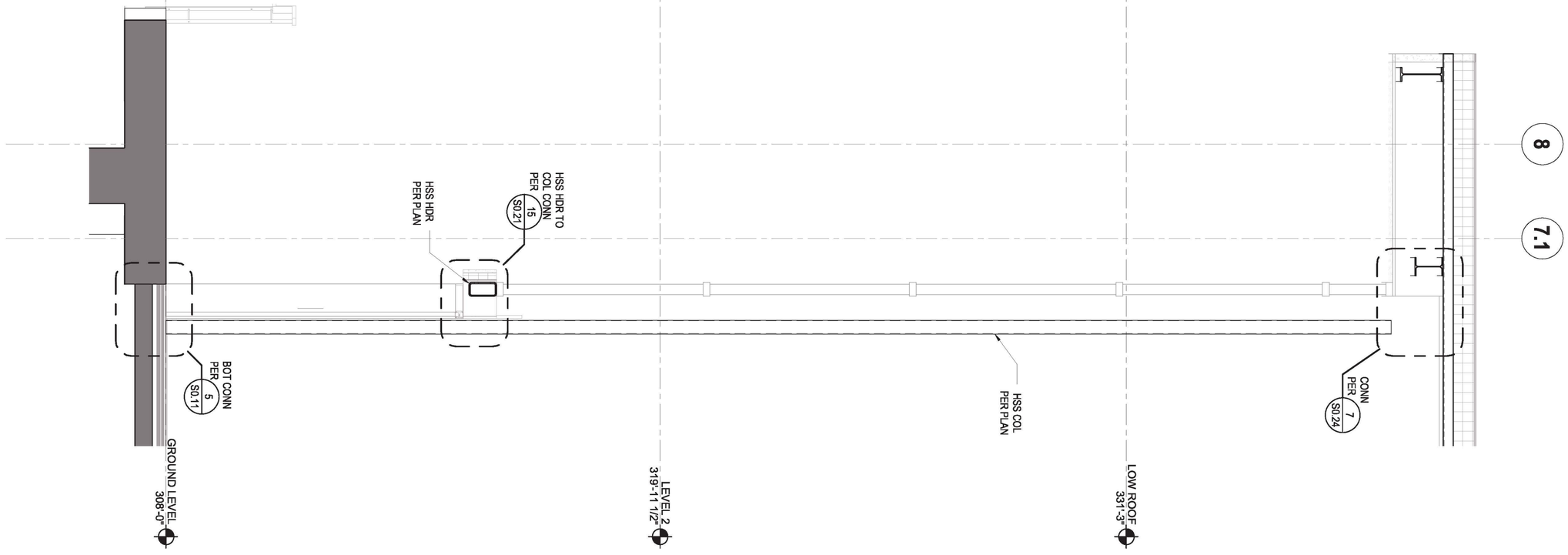
3 GYM KALWALL ABOVE FRAMED WALL
1/2" = 1'-0"



2 WEST KALWALL
1/2" = 1'-0"



1 WEST EGRESS OVERHANG
1/2" = 1'-0"



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213 627 6687
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PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING

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DRAWING NO.	PLAN FILE NO.	WORK ORDER NO.
SHEET S3.11 OF SHEETS		E1908203

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: WALL SECTIONS
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: TH	Issue Date
DRAWN BY: TC	Issue Date
CHECKED BY: OG	Issue Date
APPROVED BY:	Issue Date

REGISTERED PROFESSIONAL ENGINEER OMAR LEONEL GARZA 55593 EXP 12/31/2023 STATE OF CALIFORNIA STRUCTURAL

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

INDEX NO. **RP-300126**
BUILDING NO. -

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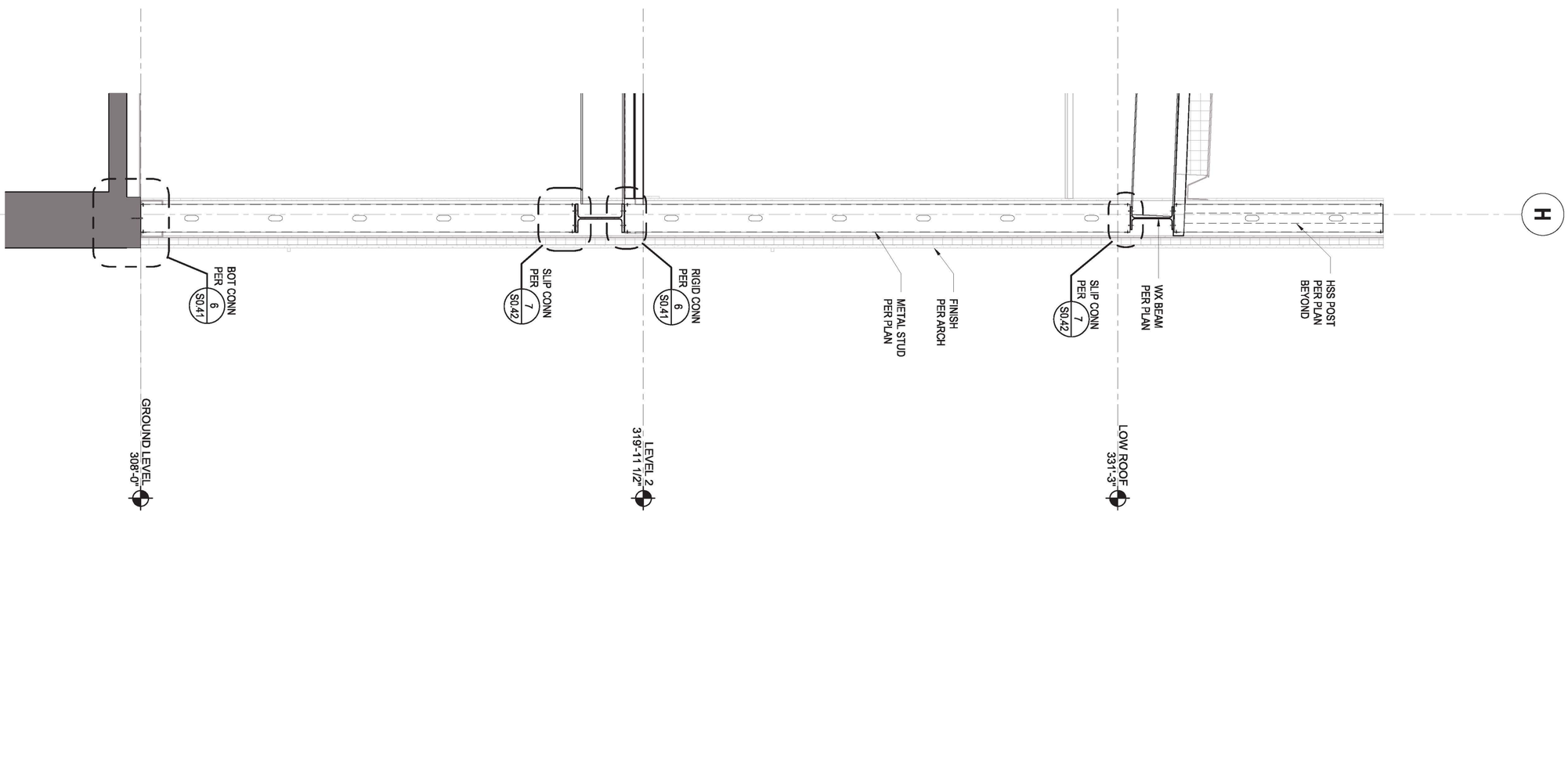
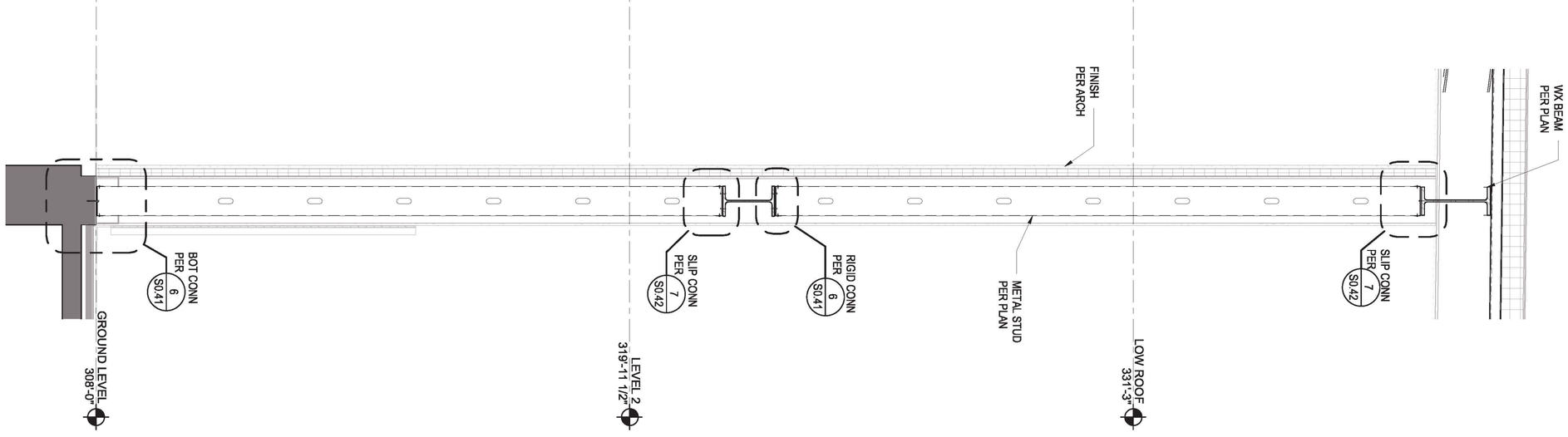


2 WALL WITH GUTTER
1/2" = 1'-0"



1 EXTERIOR WING WALL
1/2" = 1'-0"

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Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

DRAWING NO. S3.12
SHEET 0 OF SHEETS
PLAN FILE NO.
WORK ORDER NO. E1908203

PLOTTED:8/8/2023 1:52:49 PM

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: WALL SECTIONS
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: TH	Issue Date
DRAWN BY: TC	Issue Date
CHECKED BY: OG	Issue Date
APPROVED BY:	Issue Date

REGISTERED PROFESSIONAL ENGINEER OMAR LEONEL GARZA 5593 EXP 12/31/2023 STRUCTURAL STATE OF CALIFORNIA

BUREAU OF ENGINEERING

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	BID SET		

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CITY OF LOS ANGELES

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SHEET ISSUE DATE:11/10/20
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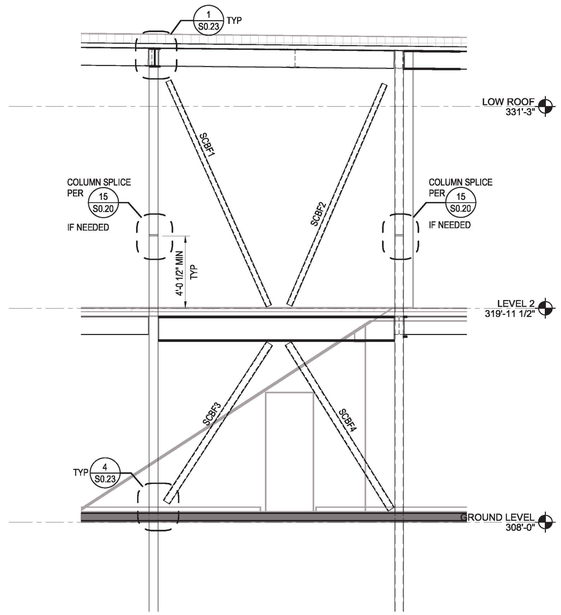
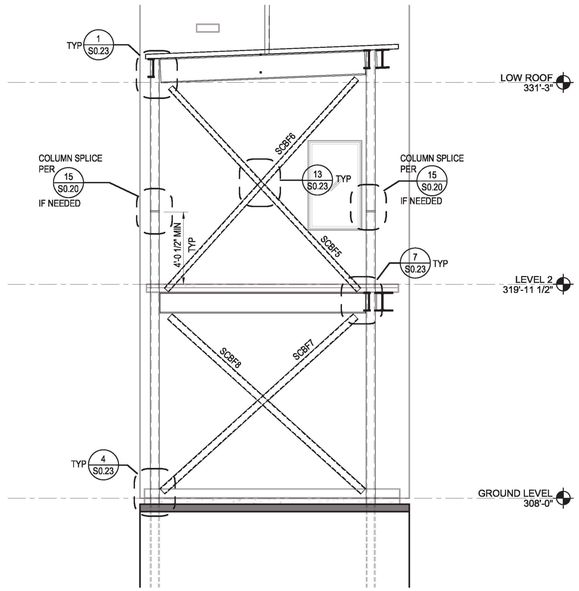


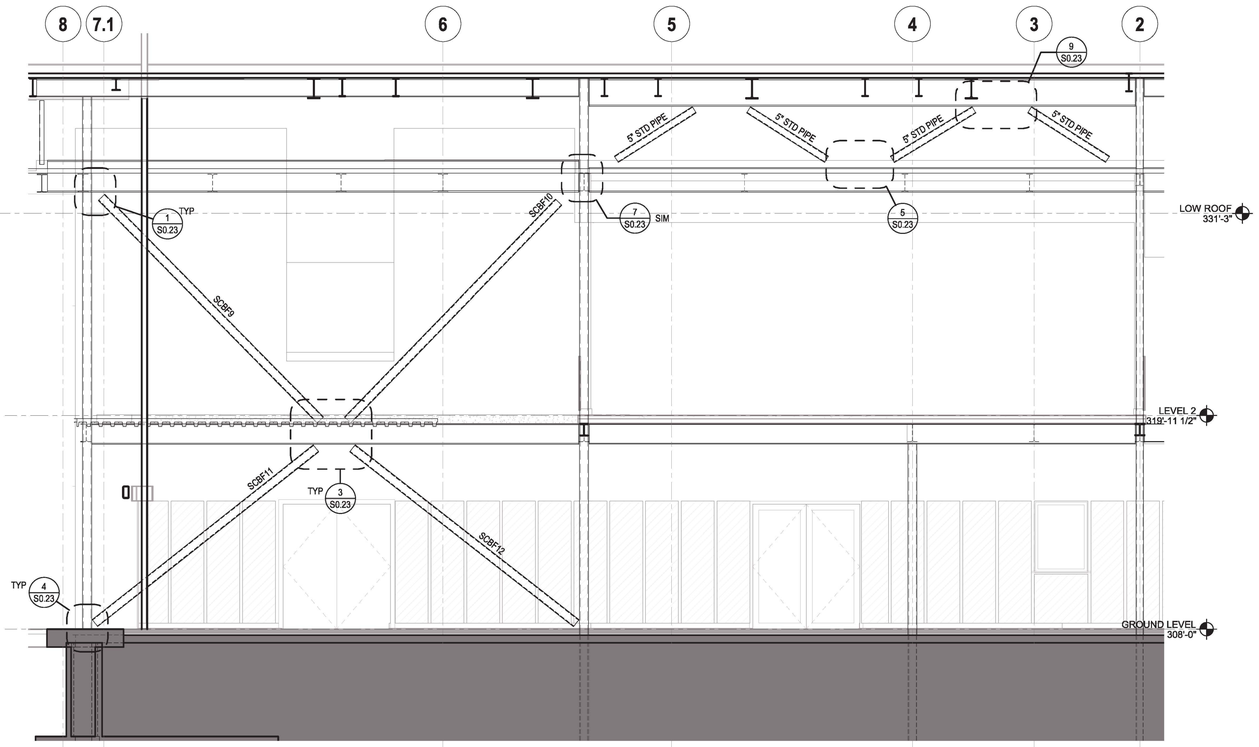
14 BRACED FRAME ELEVATION - ALONG GRID N BETWEEN 5 & 7

1/4" = 1'-0"



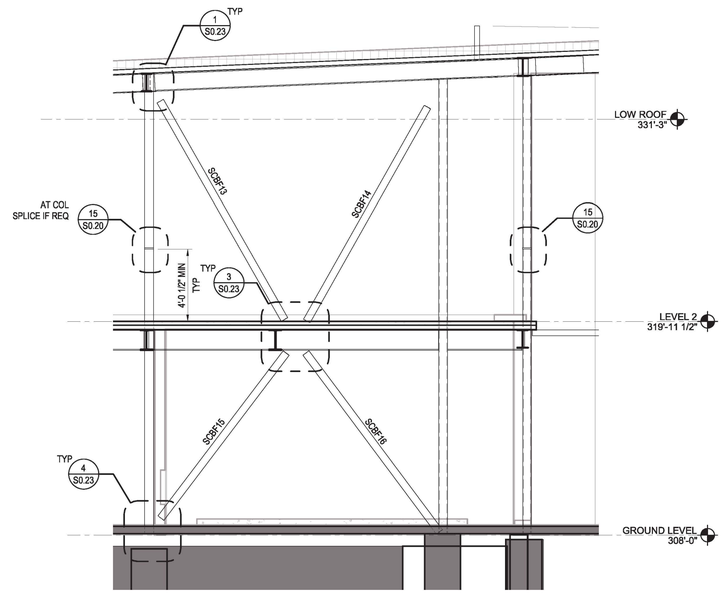
6 BRACED FRAME ELEVATION - ALONG GRID 1 BETWEEN F & H

1/4" = 1'-0"



16 BRACED FRAME ELEVATION - ALONG GRID F BETWEEN 5 & 7

1/4" = 1'-0"



8 BRACED FRAME ELEVATION - ALONG GRID 8 BETWEEN K & N

1/4" = 1'-0"

BUREAU OF ENGINEERING
OFFICIAL RECORD

NOUS
5060 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
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ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

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INDEX NO. RP-300126
BUILDING NO. -

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARCIA
55593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP

	DATE:
Issue	Date
Issue	Date
Issue	Date
Issue	Date
Issue	Date
Issue	Date
Issue	Date
Issue	Date

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: BRACE ELEVATION

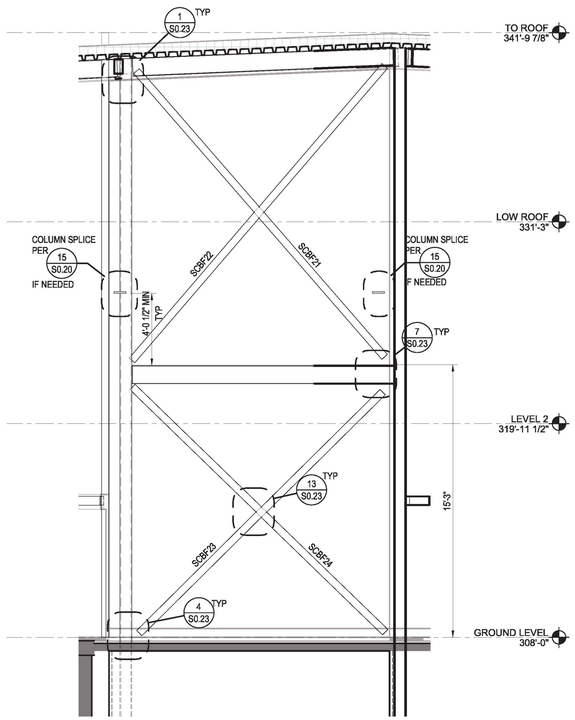
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S4.00
SHEET 0 OF SHEETS

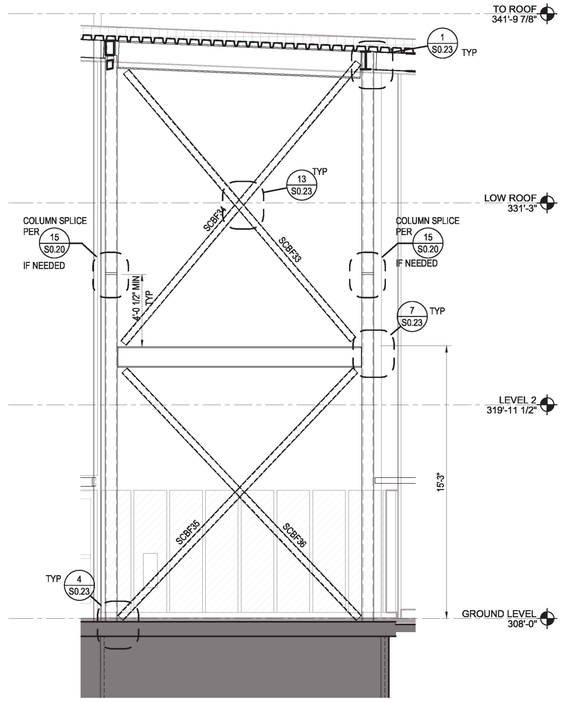
PLOTTED:10/6/2023 8:38:13 AM

REVISION DATES (DESIGN STAGE ONLY)



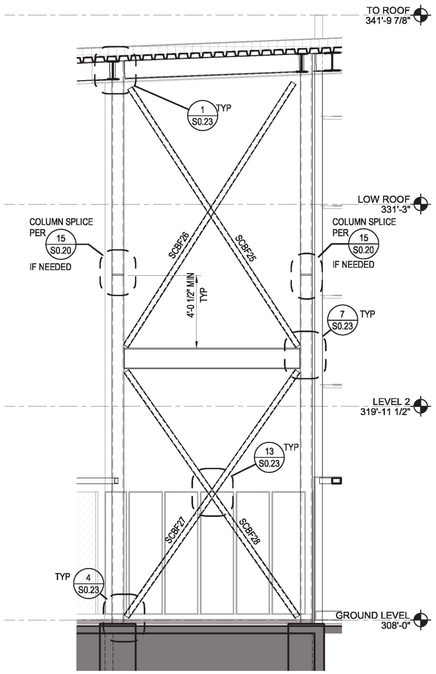
14 BRACED FRAME ELEVATION - ALONG GRID 1 BETWEEN C & D

1/4" = 1'-0"



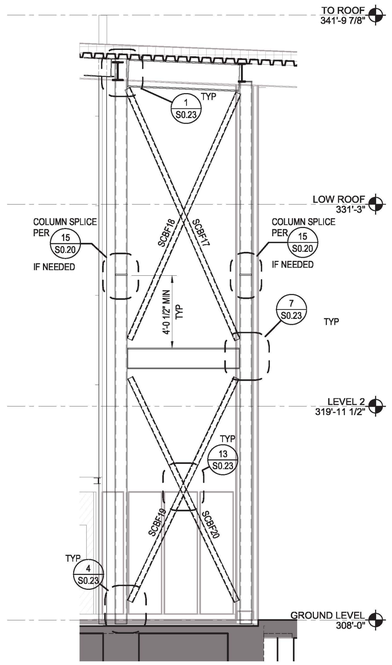
6 BRACED FRAME ELEVATION - ALONG GRID 1 BETWEEN A & B

1/4" = 1'-0"



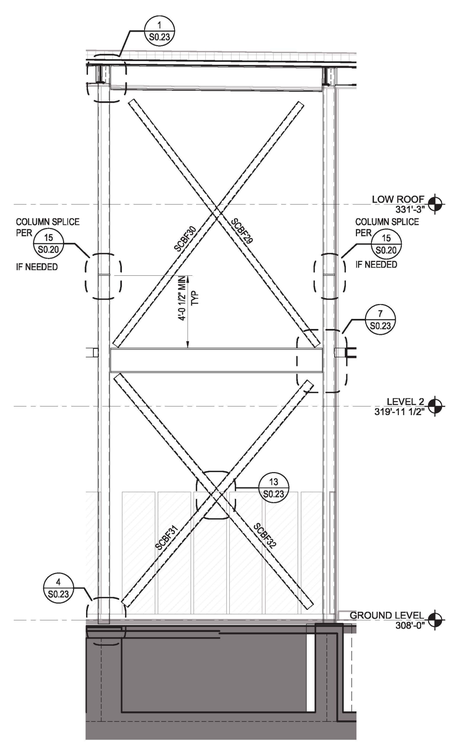
16 BRACED FRAME ELEVATION - ALONG GRID 8 BETWEEN A & B

1/4" = 1'-0"



8 BRACED FRAME ELEVATION - ALONG GRID 8 BETWEEN D & E

1/4" = 1'-0"



4 BRACED FRAME ELEVATION - ALONG GRID A BETWEEN 5 & 7

1/4" = 1'-0"

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REVISION DATES (DESIGN STAGE ONLY)

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
S5593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

PUBLIC WORKS

DEPARTMENT OF PUBLIC WORKS
GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:
DATE:

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: BRACE ELEVATION

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S4.01
SHEET 0 OF SHEETS

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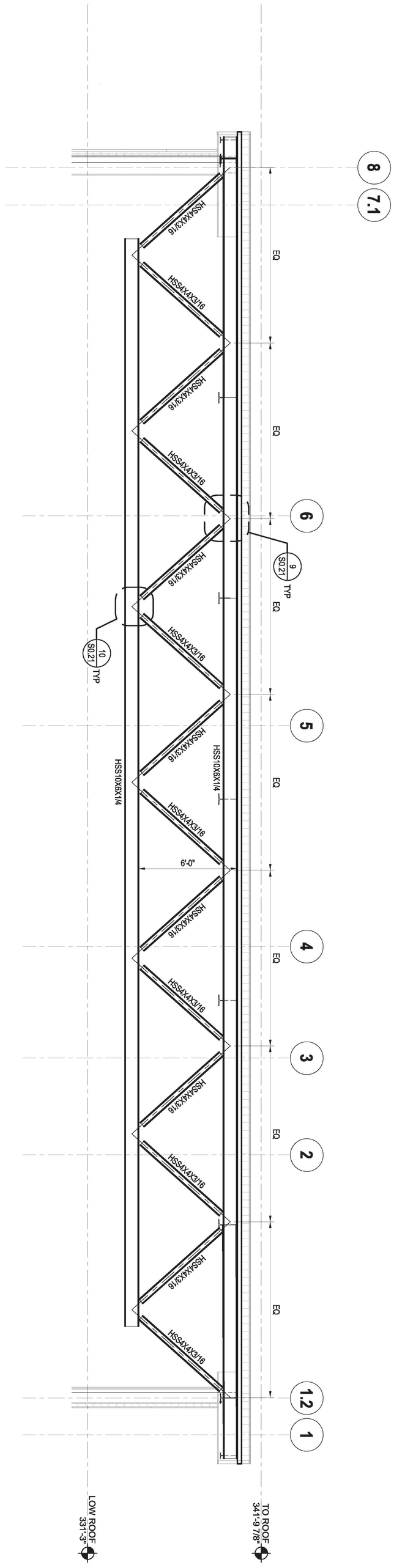
13 TRUSS AT GRID LINE B & D

1/4" = 1'-0"



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Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

DRAWING NO. S4.10 SHEET OF SHEETS
PLAN FILE NO.
WORK ORDER NO. E1908203

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TRUSS ELEVATION
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: TH	Issue Date
DRAWN BY: TC	Issue Date
CHECKED BY: OG	Issue Date
APPROVED BY:	Issue Date

REGISTERED PROFESSIONAL ENGINEER OMAR LEONEL GARZA EXP 12/31/2023 S5593 STATE OF CALIFORNIA STRUCTURAL

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	BID SET		

INDEX NO. RP-300126
BUILDING NO. -

ENGINEERING CITY OF LOS ANGELES

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1 EXTERIOR ELEVATION - EAST
1/8" = 1'-0"

2 EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"

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LOS ANGELES, CA 90041
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HELLO@NOUSENGINEERING.COM

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PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES

DRAWING NO.	S4.21
SHEET	OF SHEETS
PLAN FILE NO.	
WORK ORDER NO.	E1908203

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: BUILDING ELEVATION
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: TH	Issue Date
DRAWN BY: TC	Issue Date
CHECKED BY: OG	Issue Date
APPROVED BY:	Issue Date

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
S5593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
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INDEX NO. RP-300126
BUILDING NO. -

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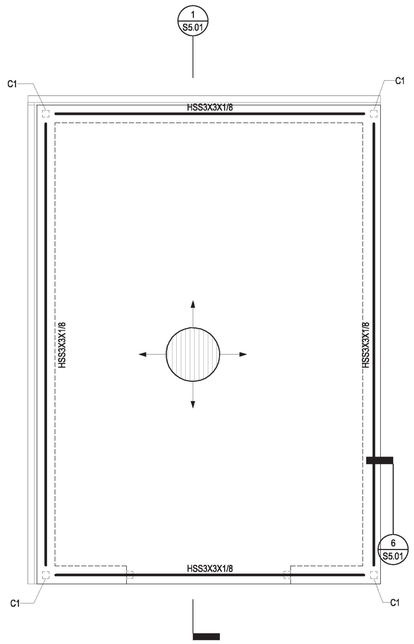
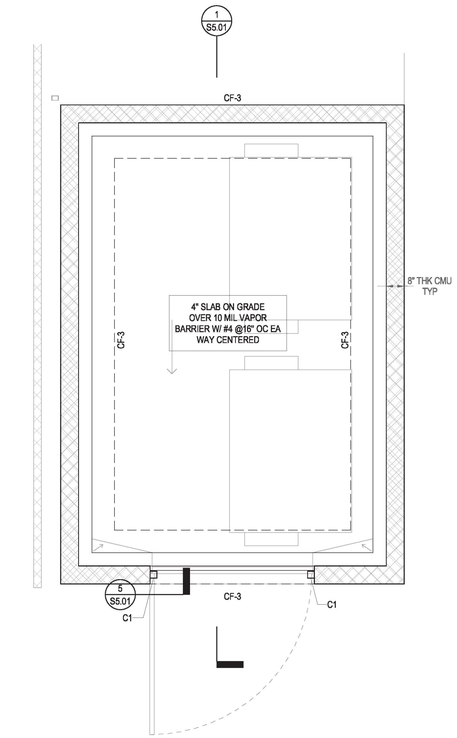
REVISION DATES (DESIGN STAGE ONLY)





CONTINUOUS FOOTING SCHEDULE					
TYPE MARK	WIDTH, W	DEPTH, D	TOP BARS	BOTTOM BARS	TRANSVERSE REINF
CF-1	2' - 0"	2'-0"	(3) #6	(3) #6	#5 @ 12"OC
CF-2	3' - 0"	2'-0"	(5) #6	(5) #6	#5 @ 12"OC
CF-3	2' - 0"	1'-6"	(5) #6	(5) #6	#5 @ 12"OC

STEEL COLUMN SCHEDULE						
TYPE MARK	COLUMN TYPE	BASE PLATE DIMENSIONS			ANCHOR RODS	
		B	N	t	MARK	EMBED
C1	HSS3X3X1/8	4"	6"	3/8"	(2) 1/2" DIA	12"

FRAMING PLAN NOTES

1. TOP OF METAL DECK PER PLAN (TOD).
2. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW METAL DECK, UON.
3. REFER TO S0 SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
4. DEPRESSIONS, CURBS, AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO DRAWINGS OTHER THAN STRUCTURAL.
5. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
6. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.

FRAMING PLAN LEGEND

INDICATES 18GA METAL DECK ROOF PROFILE PER ARCHITECT ATTACH TO ALL SUPPORTS W/ #12 SMS @ 12" OC SPAN DIRECTION PER PLAN

INDICATES WALL BELOW

FOUNDATION PLAN NOTES

1. TOP OF FOOTING GRADE BEAM ELEVATION TO BE 1'-0" BELOW TOP OF SLAB OR FINISH GRADE, UON.
2. REFER TO S0 SERIES SHEETS FOR GENERAL NOTES AND TYPICAL DETAILS.
3. ALL SETTING OUT DIMENSIONS ARE TO BE READ IN CONJUNCTION AND CONFIRMED WITH ARCHITECTURAL DRAWINGS.
4. PRIOR TO REQUESTING A BUILDING DEPARTMENT FOUNDATION INSPECTION, THE SOILS ENGINEER/GEOTECHNICAL CONSULTANT SHALL INSPECT AND APPROVE THE FOUNDATION EXCAVATIONS.
5. EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
6. CURBS AND DEPRESSIONS ARE SHOWN FOR REFERENCE ONLY. SEE ARCH DWGS FOR LOCATIONS, HEIGHT, AND THICKNESS.
7. SEE ARCH DWGS FOR EDGE OF SLAB LOCATIONS.
8. VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATIONS. NOTIFY ARCHITECT PRIOR TO EXCAVATION IN THE EVENT SUCH UTILITIES ARE ENCOUNTERED.
9. FOR DRAINAGE DETAILS, SUMPS, PITS, DAMP PROOFING, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.
10. SLAB CONSTRUCTION AND CONTROL JOINT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT PRIOR TO PLACING ANY CONCRETE.
11. PROVIDE A 6" CURB AT EXTERIOR TIMBER WALLS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.

FOUNDATION PLAN LEGEND

INDICATES (E) WALL TO BE REINFORCED PER

8 ROOF PLAN - TRASH ENCLOSURE
3/8" = 1'-0"

4 FOUNDATION PLAN - TRASH ENCLOSURE
3/8" = 1'-0"

VOUS
5060 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3966
HELLO@VOUSENGINEERING.COM

BUREAU OF ENGINEERING
OFFICIAL RECORD

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
CITY OF LOS ANGELES ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
S5593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
DATE:

ARCHITECT:	MICHAEL B. LEHRER, FAIA	LIC. NO.: C12115
DESIGNED BY:	TH	
DRAWN BY:	TC	
CHECKED BY:	OG	
APPROVED BY:		

ARCHITECTURAL DIVISION

Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TRASH ENCLOSURE

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

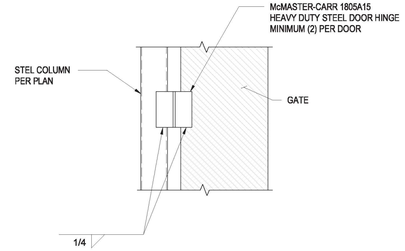
WORK ORDER NO. E1908203

PLAN FILE NO.

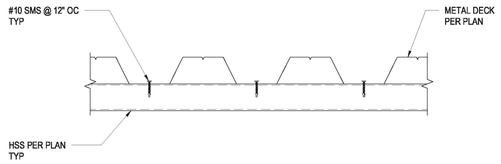
DRAWING NO. S5.00

SHEET NO OF SHEETS

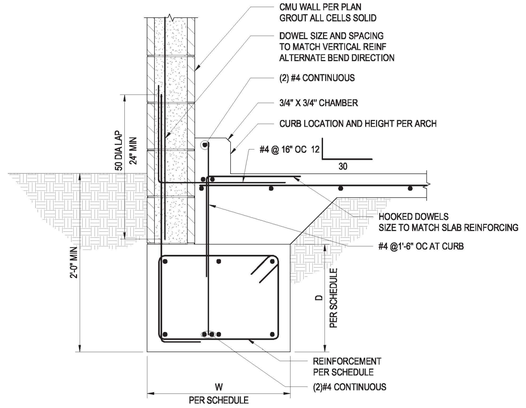
PLOTTED:9/6/2023 1:53:23 PM



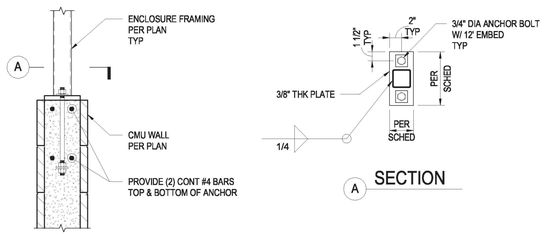
5 TRASH GATE TO STEEL POST
1 1/2" = 1'-0"



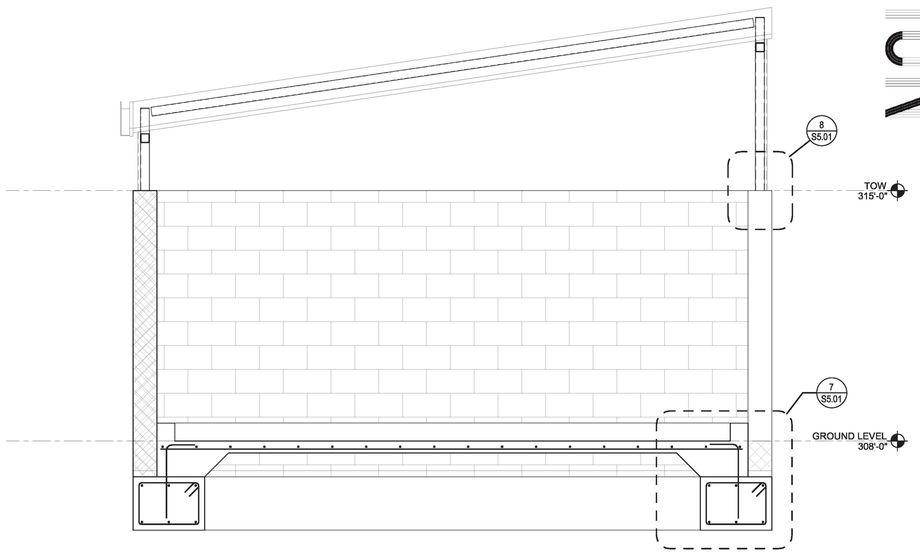
6 METAL DECK TO HSS CONNECTION
1 1/2" = 1'-0"



7 WALL FOOTING AT CMU WALL
1" = 1'-0"



8 HSS TO HSS AND CMU WALL CONNECTIONS
1" = 1'-0"



NOTES:
1. FOR INFORMATION NOT SHOWN, REFER TO 4 / S5.00 AND 8 / S5.00

1 TRASH ENCLOSURE SECTION
1/2" = 1'-0"

5050 EAGLE ROCK BOULEVARD
LOS ANGELES, CA 90041
213.627.3668
HELLO@IOUSENGINEERING.COM

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 06/30/23
FILE PATH: BIM 360://Hollywood Rec Center/NE_19760 HRC R19.rvt

REVISION DATES (DESIGN STAGE ONLY)

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

ENGINEERING
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
OMAR LEONEL GARZA
S5593
EXP 12/31/2023
STRUCTURAL
STATE OF CALIFORNIA

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER — DATE:

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: TH
DRAWN BY: TC
CHECKED BY: OG
APPROVED BY:

Issue Date	Issue Date	Issue Date	Issue Date	Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TRASH ENCLOSURE SECTIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. S5.01
SHEET 0 OF SHEETS

PLOTTED:9/6/2023 1:53:28 PM

NOTES FOR CCR T24 MANDATORY MEASURES

1. GENERAL: ALL EQUIPMENT AND SYSTEMS INSTALLED IN THIS PROJECT SHALL COMPLY WITH THE ENERGY EFFICIENCY STANDARDS FOR NON RESIDENTIAL BUILDINGS AS PUBLISHED BY THE STATE OF CALIFORNIA.

2. EQUIPMENT AND SYSTEMS EFFICIENCY
   A HVAC EQUIPMENT SHALL MEET MINIMUM EFFICIENCY REQUIREMENTS AS SCHEDULED ON THE PLANS.
   B DUCTS AND PIPING SHALL BE INSULATED IN ACCORDANCE WITH ENERGY EFFICIENCY STANDARD 123.
   C AIR HANDING DUCT SYSTEMS SHALL BE CONSTRUCTED, INSTALLED, SEALED TO 1% LEAKAGE, AND INSULATED AS PROVIDED IN CHAPTER 6 OF THE UNIFORM MECHANICAL CODE AND THESE REGULATIONS.

3. VENTILATION
A. BUILDING SHALL BE VENTILATED AS PROVIDED FOR ON THE PLANS.
B. GRAVITY OR AUTOMATIC DAMPERS INTERLOCKED AND CLOSED ON FAN SHUTDOWN SHALL BE PROVIDED ON THE OUTSIDE AIR INTAKES AND DISCHARGES OF ALL SPACE CONDITIONING AND EXHAUST SYSTEMS.
C. ALL GRAVITY VENTILATING SYSTEMS SHALL BE PROVIDED WITH AUTOMATIC OR READILY ACCESSIBLE MANUALLY OPERATED DAMPERS IN ALL OPENINGS TO THE OUTSIDE, EXCEPT FOR COMBUSTION AIR OPENINGS.
D. AIR BALANCING: ALL SPACE CONDITIONING AND VENTILATION SYSTEMS SHALL BE BALANCED IN THE QUANTITIES SPECIFIED IN THESE PLANS, IN ACCORDANCE WITH THE ASSOCIATED AIR BALANCE (AABC) NATIONAL STANDARDS.
E. OUTSIDE AIR CERTIFICATION: THE SYSTEMS SHALL PROVIDED THE MINIMUM OUTSIDE AIR AS SHOWN ON THE MECHANICAL DRAWINGS, AND SHALL BE MEASURED AND CERTIFIED BY THE INSTALLING LICENSED C-20 MECHANICAL CONTRACTOR.

4. WHEN COMPLETE THE BUILDING CLOSE-OUT MANUAL SHALL INCLUDE: AS-BUILT DOCUMENTS, MAINTENANCE REQUIREMENTS & SPARE PARTS LISTS, ORIGINAL SYSTEM DESIGN AND OPERATION INFORMATION, AND SHALL BE POSTED WITH APPROPRIATE CERTIFICATES AND DOCUMENTS FOR THE COLLEGE AND INSPECTOR.

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

5.410.4 TESTING, ADJUSTING AND BALANCING: DURING CONSTUCTION TAPE/BLANK OFF AND SEAL HVAC EQUIPMENT OPENINGS FROM CONSTRUCTION DEBRIS, DUST, AND WATER. CLOSE GRILLES, AIR OPENINGS, AND FIN COILS TO PREVENT CONTAMINATION INSIDE/OUITSIDE TO THE EQUIPMENT, TO THE FILTERS, AND THE DUCTWORK. DO NOT OPERATE THE EQUIPMENT AND DUCTWORK DURING THE CONSTRUCTION PERIOD UNTIL AFTER APPROVED CLEAN-UP IS COMPLETE. COVER EQUIPMENT AND PANELS TO PREVENT WEATHER, SPLASH AND WATER ENTRY. ANY ELECTRICAL PANELS AND COMPONENTS EXPOSED TO WATER OR DUST WILL NEED TO BE REPLACED AT NO COST TO THE OWNER.

5.410.4.4 REPORTING: DELIVER WRITTEN POINT TO POINT COMMISSIONING FUNCTIONALITY REPORT AND TEST AND BALANCE REPORT.

5.410.4.5 OPERATION AND MAINTENANCE MANUALS : MANUFACTURER'S OPERATION AND MAINTENANCE MANUALS AND SPARE PARTS LISTS ENCLOSED UNDER A SINGLE PROPERLY LABELED LAMINATED BINDER FOR INSPECTOR REVIEW.

5.410.4.5.1 INSPECTIONS AND REPORTS: INSPECTIONS AND REPORTS DOCUMENTING THE ENTIRE SYSTEM HAS BEEN INSPECTED AND APPROVED BY THE ENFORCING AGENCY.

5.504.3 COVERING OF DUCT OPENINGS AND PROTECTION OF MECHANICAL EQUIPMENT DURING CONSTRUCTION TIME OF ROUGH INSTALLATION AND DURING STORAGE ON THE CONSTRUCTION SITE AND UNTIL FINAL STARTUP OF THE HEATING, COOLING AND VENTILATING EQUIPMENT, ALL DUCT AND OTHER RELATED AIR DISTRIBUTION COMPONENT OPENINGS SHALL BE COVERED WITH TAPE, PLASTIC, SHEETMETAL OR OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY TO REDUCE THE AMOUNT OF DUST, WATER AND DEBRIS WHICH MAY ENTER THE SYSTEM.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A1.18 THROUGH 1617A1.26 AND ASCE 7-16 CHAPTER 13,26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY ,MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED' SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING,, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:
A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5,13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A1.24, 1615A1.25, AND 1616A.4.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM AREA AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☒ MD ☒ PP □ E □ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP □ MD □ PP □ E □ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM#) #OPM-0043-13 MASON

CONTROL NOTES

1. ALL CONTROL WORK SHALL BE PROVIDED BY THE GENERAL AND MECHANICAL CONTRACTORS.
2. ALL CONTROL WORK SHALL BE PER SPECIFICATIONS AND BASE BUILDING STANDARDS.
3. DDC CONTROL:
   A. PROVIDE STANDALONE DDC CONTROL SYSTEM FOR ALL HVAC REQUIREMENTS.
   B. THE CONTROL SYSTEM SHALL BE BY BASE BUILDING STANDARD.
4. CONTROLS CONTRACTOR SHALL COORDINATE ALL INTERFACE REQUIREMENTS WITH ELECTRICAL AND MECHANICAL CONTRACTORS, EMERGENCY AND ALARM SYSTEMS.
5. CONTRACTOR SHALL VERIFY THE PROPER BASE BUILDING THERMOSTAT SELECTION AND CONTROL WIRING METHOD WITH BASE BUILDING ENGINEERS FOR BID PURPOSES. EVERYTHING SHALL RUN IN CONDUITS.
6. CONTRACTOR IS RESPONSIBLE FOR FULL PACKAGE INCLUDING WIRES, CONDUITS, INTERFACE, ETC.

FIRE LIFE SAFETY NOTES

1. THE ELECTRICAL CONTRACTOR SHALL INTERCONNECT ALL FANS AND AC UNITS WITH THE BUILDING LIFE SAFETY SYSTEM FOR UNIT SHUT DOWN UPON A SIGNAL FROM THE LIFE SAFETY SYSTEM.
2. WHERE DUCT MOUNTED SMOKE DETECTORS FOR A TRANSFER FAN AND AC UNIT ARE SHOWN, THE HVAC CONTRACTOR SHALL FURNISH AND INSTALL THE SMOKE DETECTORS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL WIRING AND CONDUIT TO SIGNAL THE LIFE SAFETY SYSTEM. THE LIFE SAFETY SYSTEM SHALL SHUT DOWN THE EXHAUST FANS OR AC UNITS AS DESCRIBED IN NOTE #1.
3. ALL SMOKE DETECTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION AND SHALL BE COMPATIBLE WITH THE BASE BUILDING STANDARDS.
4. GENERAL CONTRACTOR TO COORDINATE SMOKE DETECTOR INSTALLATION WITH FIRE ALARM CONTRACTOR FOR EQUPMENT SHUT-DOWN (CONTROL MODULES), STATUS (MONITORING MODULES), AND SMOKE CONTROL SYSTEM ACTIVATION.
5. FIRE ALARM SYSTEM MODIFICATIONS: WHERE ADDITIONAL SMOKE DETECTORS ARE ADDED, E.G SUPPLY, RETURN AND EXHAUST DUCTS, THE FIRE ALARM DEVICES SHALL BE TESTED (NFPA 72, SECTION 14.4.1.2.1.1) WHERE THE SOFTWARE PROGRAM HAS BEEN AFFECTED OR MODIFIED AS A RESULT OF THE ADDITIONAL DEVICES, A FUNCTIONAL TEST SHALL BE REQUIRED AS PER NFPA 72, SECTION 14.4.1.2.2.

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, THE WORK DESCRIBED ON THE PLANS AND SPECIFICATIONS SHALL INCLUDE THE FURNISHING AND INSTALLATION OF ALL LABOR AND MATERIALS NECESSARY FOR COMPLETE AND OPERATIONAL HVAC SYSTEMS.
2. ALL WORK SHALL BE IN ACCORDANCE WITH ALL CODES, RULES, AND REGULATIONS OF GOVERNING AGENCIES AND SHALL COMPLY WITH THE REQUIREMENTS OF THE SERVING UTILITY COMPANIES.
3. ALL DUCTWORK, INSULATION, EQUIPMENT AND INSTALLATION SHALL CONFORM TO THE LATEST EDITION OF CALIFORNIA ADMINISTRATIVE CODE TITLE 24 AND C.M.C. DUCT MATERIALS AND CONSTRUCTION SHALL BE PER CHAPTER 6 OF C.M.C. SEAL DUCTS FOR 1% LEAKAGE MAXIMUM. DUCT & PIPE INSULATION SHALL HAVE FLAME SPREAD OF 25 MAXIMUM AND SMOKE DEVELOPMENT OF 50 MAXIMUM.
4. ALL EQUIPMENT, DUCTWORK AND PIPING INSTALLATION SHALL BE SEISMICALLY BRACED IN ACCORDANCE WITH THE LATEST EDITION OF CALIFORNIA BUILDING AND MECHANICAL CODES. HANGING PIPES AND DUCTS ISAT, ROOF SUPPORT PHP DESIGN, AND/OR MASON VIBREX DESIGN.
5. CALIFORNIA MECHANICAL CODE SECTION 608, CONTRACTOR SHALL PROVIDE SHUTOFF FOR SMOKE CONTROL FOR ALL AIR-MOVING SYSTEMS SUPPLYING AIR IN EXCESS OF 2,000 CUBIC FEET PER MINUTE TO ENCLOSED SPACES WITHIN BUILDINGS. AUTOMATIC SHUTOFF SHALL BE ACCOMPLISHED BY INTERRUPTING THE POWER SOURCE OF THE AIR-MOVING EQUIPMENT UPON DETECTION OF SMOKE IN THE MAIN SUPPLY AIR DUCT SERVED BY SUCH EQUIPMENT. SMOKE DETECTORS WHICH WILL DETECT PRODUCTS OF COMBUSTION OTHER THAN HEAT AND WHICH COMPLY WITH THE CALIFORNIA BUILDING CODE, SHALL BE LABELED BY AN APPROVED AGENCY FOR AIR-DUCT INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S'S INSTALLATION INSTRUCTIONS. SUCH DEVICES SHALL BE COMPATIBLE WITH THE OPERATING VELOCITIES, PRESSURES, TEMPERATURES AND HUMIDITIES OF THE SYSTEM WHERE AN ELECTRICAL CENTRAL FIRE ALARM DETECTION OR ALARM SYSTEM IS PROVIDED FOR THE BUILDING, THE SMOKE DETECTORS REQUIRED BY THIS SECTION SHALL BE FURNISHED AND SUPERVISED BY SUCH SYSTEM AND SHALL ACTIVATE THE SHUTDOWN. REFER TO OTHER DOCUMENTS FOR SMOKE CONTROL AND SMOKE EVACUATION SPECIFIC REQUIREMENTS AND CONTROLS.
6. INFORMATION GIVEN ON THE DRAWING IS AS EXACT AS POSSIBLE BUT DIAGRAMMATIC. ABSOLUTE ACCURACY IS NOT GUARANTEED, AND THE CONTRACTOR SHALL OBTAIN AND VERIFY EXACT LOCATIONS, MEASUREMENTS, LEVEL, SPACE REQUIREMENTS, POTENTIAL CONFLICTS WITH OTHER TRADES AT THE SITE AND SHALL SATISFACTORILY ADAPT HIS WORK TO ACTUAL CONDITIONS AT THE BUILDING.
7. COORDINATE AND ADJUST ALL WORK BETWEEN TRADES IN ORDER TO ACCOMPLISH A COORDINATED, INTEGRATED AND EFFICIENT INSTALLATION. PROVIDE FOR PHASING AND TEMPORARY SYSTEMS REQUIRED TO COMPLETE THE WORK ON SCHEDULE IN CONFORMANCE WITH THE PROJECT DOCUMENTS.
8. COORDINATE EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES WITH LIGHTING LAYOUT, CEILING TILE PATTERN WITH ARCHITECTURAL REFLECTED CEILING PLANS. THE LOCATION OF THE DIFFUSERS, REGISTERS, AND GRILLES IS DIAGRAMMATIC AND THAT ARCHITECTURAL REFLECTED CEILING PLANS TAKE PRECEDENCE. WHERE CEILING IS EXTREMELY TIGHT, CAREFULLY COORDINATE DUCT SIZES AND ROUTING WITH ARCHITECTURAL, STRUCTURAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION SYSTEMS. WHERE INTERFERENCES EXIST TRANSITION TO SUITABLE RECTANGULAR DUCTWORK TO MAINTAIN REQUIRED CEILING HEIGHT.
9. INSTALL THE HVAC SYSTEMS IN CONFORMANCE WITH SOUND AND SECURITY REQUIREMENTS SPECIFIED BY OTHER DISCIPLINES. DUCT LINER IS NOT USED UNLESS SPECIFIED BY ACOUSTICAL. OTHERWISE SEAL AROUND ALL PENETRATIONS OF WALLS AND FLOORS AND PER FIRE STOPPING REQUIREMENTS. PROVIDE SOUND BOOTS OF 3-LB DENSITY FIBER BOARD AT PLENUM WALL PENETRATION FOR RETURN AIR ABOVE CEILING.
10. FIELD COORDINATE THE EXACT LOCATION OF ALL TEMPERATURE SENSORS, THERMOSTATS WITH ANY EQUIPMENT, SHELVING, RACKS, CABINETS OR OTHER FACILITY SUPPLIED FURNITURE AND EQUIPMENT, BASED ON THE ARCHITECTURAL DRAWINGS.
11. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED OR NOTCHED WITHOUT WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND ARCHITECT.
12. PROVIDE MANUAL VOLUME DAMPER IN EACH BRANCH AND MAIN DUCT TO FACILITATE PROPER BALANCE, WHETHER SHOWN OR NOT. VOLUME DAMPER AT DIFFUSERS AND REGISTER OBD'S IF INSTALLED SHALL NOT BE USED FOR AIR BALANCING.
13. SEAL ALL OPENINGS AROUND PIPING AND DUCTWORK PENETRATING FIRE RESISTIVE RATED WALLS AND FLOORS TO MAINTAIN RATING INTEGRITY.
14. CONTRACTOR SHALL COORDINATE DEVICES REQUIRING ACCESS. PROVIDE CEILING, WALL OR FLOOR ACCESS PANELS FOR TERMINAL BOXES, VALVES, COMBINATION SMOKE/FIRE DAMPERS AND VOLUME DAMPERS, ACTUATORS, BACK-DRAFT DAMPERS AS REQUIRED. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND FINAL COUNT OF ACCESS PANELS. MINIMUM SIZE OF ACCESS PANELS SHALL BE 24" X 24". THE MINIMUM CLEARANCE WORKING SPACE AROUND AND CLEAR FOR MAINTENANCE SHALL BE 4 FT. PERMANENT PROVIDE PLATFORMS AND HAND RAILS FOR SERVICE, AND SEPARATE LOCK OUT TAG OUT DISCONNECTS. COMPLY WITH ALL OSHA AND UNION MAINTENANCE SERVICE REQUIREMENTS. COMPLY WITH ALL COLLEGE SECURITY AND ENVIRONMENTAL REQUIREMENTS FOR PERSONAL SAFETY, AND DISPOSAL OF MATERIALS.
15. INSTALL EQUIPMENT IN ACCESSIBLE LOCATIONS AND PROVIDE ADEQUATE SERVICE CLEARANCE 4 FT FOR NORMAL MAINTENANCE WITHOUT REMOVING ARCHITECTURAL, ELECTRICAL OR STRUCTURAL ELEMENTS.
16. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 5'-0" AT CONNECTION TO ENVIRONMENTAL AIR OUTLETS. MINIMUM RADIUS SHALL BE 1-1/2 DIAMETER OF DUCT. FLEXIBLE DUCT SHALL NOT BE USED IN SYSTEM IF UTILIZED AS PART OF BUILDING SMOKE CONTROL.
17. PROVIDE ISOLATION VALVES AND UNIONS ON PIPING ADJACENT TO ALL CONTROL VALVES AND OTHER APPURTENANCES OR EQUIPMENT. LOCATE VALVES SO THAT EQUIPMENT CAN BE REMOVED WITHOUT DISMANTLING ANY BRANCH LINES.
18. IN CONCEALED IN-ACCESSIBLE CEILING PROVIDE REMOTE MANUAL VOLUME DAMPER REGULATOR OPERATOR AT ACCESSIBLE LOCATION.
19. ALL CURBS, ROOF JACKS AND EQUIPMENT SUPPORT PADS SHALL BE COMPATIBLE WITH ROOFING SYSTEM.
20. REFER TO PLUMBING DRAWINGS OR ALL CONDENSATE DRAIN PIPING. REFER TO MECH FOR CONDENSATE TRAP DEPTH REQUIREMENTS.
21. A MAINTENANCE LABEL SHALL BE AFFIXED TO MECHANICAL EQUIPMENT. A MAINTENANCE MANUAL SHALL BE PROVIDED FOR THE OWNER'S USE. LABEL EACH ROOF MOUNTED EQUIPMENT TO IDENTIFY THE AREA IT SERVES. SEE SPECIFICATIONS.
22. ALL DUCTWORK AND EQUIPMENT WHICH IS EXPOSED SHALL BE APPLIED WITH PRIMER AND ENAMEL PAINT WHERE EXPOSED TO VIEW. COLOR SHALL BE SELECTED BY THE ARCHITECT. ALL DUCTWORK EXPOSED UNDER THE CEILING SHALL BE PAINTED WITH PRIMER AND ENAMEL PAINT TO MATCH THE SURROUNDINGS.
23. PROVIDE SHEET METAL WEATHER HOOD COVER FOR ALL DAMPER ACTUATORS, SMOKE DETECTOR, MOTORS LOCATED OUTDOORS.
24. WHERE ATTIC OR ABOVE CEILING IS TO BE USED AS RETURN PLENUM, IT SHALL CONTAIN NO COMBUSTIBLE MATERIALS, PLASTIC PIPE OR RUBBER INSULATION. ALL CEILING MATERIALS SHALL BE NON-COMBUSTIBLE OR APPROVED FOR PLENUM INSTALLATION.
25. PROVIDE WALL OPENING ABOVE CEILING LEVEL FOR RETURN AIR IN EACH ROOM AS REQUIRED. SEE FLOOR PLAN FOR OPENING SIZE.
26. FIRE DAMPERS INSTALLED IN DUCTWORK SYSTEM WITHOUT ELECTRIC ACTUATOR SHALL BE U.L. LISTED DYNAMIC TYPE (SPRING LOADED).
27. AIR HANDLING DUCT SYSTEM, EXCEPT GREASE EXHAUST DUCT SYSTEM, SHALL BE CONSTRUCTED, INSTALLED AND INSULATED AS PROVIDED IN CHAPTER 6 OF CMC OF METAL GALVANIZED COPPER BEARING SHEET STEEL.
28. ALL WORK SHALL BE IN ACCORDANCE WITH SMACNA IAQ GUIDELINES FOR OCCUPIED BUILDINGS UNDER CONSTRUCTION SECOND EDITION.
29. GENERAL CONTRACTOR SHALL COMPLY/ SUBMIT CONSTRUCTION WASTE MANAGEMENT PER SEC 5.408.1
30. PER NFPA 8.15.1, NONCOMBUSTIBLE AND LIMITED COMBUSTIBLE CONSTRUCTION MATERIALS SHALL BE USED IN CONCEALED SPACES.

WEST, INC. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE SUPPORTS AND BRACING SYSTEM TO BE INSTALLED PER THE OPM PRE-APPROVAL.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	EF	EXHAUST FAN	OSA	OUTSIDE AIR
AHU	AIR HANDLING UNIT	ENT	ENTERING	OPNG	OPENING
AMB.	AMBIENT	ESP	EXTERNAL STATIC PRESSURE	P	PUMP
ARCH	ARCHITECT OR ARCHITECTURAL	EXH	EXHAUST	QTY.	QUANTITY
B	BOILER	°F OR F	DEGREES FAHRENHEIT	RA	RETURN AIR
BHP	BRAKE HORSE POWER	FCU	FAN COIL UNIT	RAG	RETURN AIR GRILLE
BTUH	BRITISH THERMAL UNIT PER HOUR	FLA	FULL LOAD AMP.	RLA	RUNNING LOAD AMP
CAV	CONSTANT AIR VOLUME	FPI	FINS PER INCH	RPM	REVOLUTIONS PER MINUTE
CFF	CAPPED FOR FUTURE	FPM	FEET PER MINUTE	SA	SUPPLY AIR
CD	CEILING DIFFUSER	GAL.	GALLON	SAG	SUPPLY AIR GRILLE
CFH	CUBIC FEET PER HOUR	HP	HORSEPOWER	S.P.	STATIC PRESSURE
CFM	CUBIC FEET PER MINUTE	HZ	HERTZ	SF	SQUARE FEET
CLG	CEILING	IN. W.C.	INCH OF WATER COLUMN	SS OR *	STAINLESS STEEL
COP	COEFFICIENT OF PERFORMANCE	IN. W.G.	INCH OF WATER GAGE	ST	SOUND TRAP
CV	CONSTANT VOLUME	KBTUH	THOUSAND BTU PER HOUR	SWE	SIDE WALL EXHAUST
DB	DRY-BULB	LBS	POUNDS	SWR	SIDE WALL RETURN
DIFF	DIFFUSER	LVG	LEAVING	SWS	SIDE WALL SUPPLY
DN	DOWN	MAX.	MAXIMUM	SWT	SIDE WALL TRANSFER
DS	DUCT SILENCER	MCA	MINIMUM CIRCUIT AMP	TG	TRANSFER GRILLE
DWG	DRAWING	MCC	MOTOR CONTROL CENTER	TYP	TYPICAL
(E)	EXISTING	MIN.	MINIMUM	UNO	UNLESS NOTED OTHERWISE
EAG	EXHAUST AIR GRILLE	MROPD	MAXIMUM REQUIRED/RECOMMENDED OVERLOAD PROTECTIVE DEVICE	UTR	UP THROUGH ROOF
EER	ENERGY EFFICIENCY RATIO	NC	NOISE CRITERIA	VAV	VARIABLE AIR VOLUME
				VTR	VENT THROUGH ROOF

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LEGEND

SYMBOL DOUBLE	SYMBOL SINGLE	ABBREV.	DESCRIPTION
48X24(L)	48X24(L)		DUCT WITH INTERNAL LINING L= 1" THICK 2L= 2" THICK
			TRANSITION - RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND
			TRANSITION - RECTANGULAR TO ROUND
			ELBOW WITH TURNING VANE
R	R		RISE IN DIRECTION OF AIRFLOW
D	D		DROP IN DIRECTION OF AIRFLOW
48X24 *	48X24 *		48" X 24" DUCT FIRST DIMENSION FACES VIEWER (* MEANS STAINLESS STEEL)
			FLEXIBLE DUCT
			CEILING DIFFUSER 4-WAY THROW
			CEILING DIFFUSER 3-WAY THROW
			CEILING DIFFUSER 2-WAY THROW
			CEILING DIFFUSER CORNER THROW
			THERMAFUSER SUPPLY DIFFUSER (AS NOTED ON DWG.)
			SUPPLY OR OUTSIDE AIR DUCT - SECTION
			RETURN OR RELIEF AIR DUCT - SECTION
			EXHAUST AIR DUCT - SECTION
			ROUND DUCT OR RISER - SECTION
◆ FSD	◆ FSD		COMBINATION SMOKE & FIRE DAMPER
FD			FIRE DAMPER
	M OR MD	M OR MD	MOTORIZED DAMPER
		VD	MANUAL VOLUME DAMPER (QUADRANT BALANCING DAMPER)
BDD		BDD	BACKDRAFT DAMPER
			FLEXIBLE DUCT CONNECTOR
			CAPPED DUCTWORK
			CONICAL TAP W/MANUAL VOLUME DAMPER
		360	CEILING DIFFUSER, ADAPTER FOR ROUND DUCT. 360 CFM
EXHAUST	RETURN		CEILING GRILLE OR REGISTER
		6X6 150	6"X6"WALL REGISTER, 150 CFM
		(4)3/4"X5'-0" LSD 300	NO. & SIZE OF SLOTS, LENGTH, LINEAR SLOT DIFFUSER, CFM
		(4)3/4"X5'-0" LBD 300	NO. & SIZE OF SLOTS, LENGTH, LINEAR AIR BAR DIFFUSER, CFM
T S			TIMER SWITCH
P			PRESSURE TRANSMITTER
T			TEMPERATURE TRANSMITTER
DP			DIFFERENTIAL PRESSURE TRANSMITTER
T			ROOM THERMOSTAT
CO2			CARBON DIOXIDE SENSOR
SD			DUCT MOUNTED SMOKE DETECTOR (PROVIDE UNDER ELECTRICAL AND INSTALL UNDER MECHANICAL SECTION)
WL			WALL LOUVER (UNDER ARCH SECTION)
U/C			UNDERCUT DOOR (UNDER ARCH SECTION)
D/L			DOOR LOUVER (UNDER ARCH SECTION)
L/D			LOUVERED DOOR FULL HEIGHT (UNDER ARCH SECTION)
		AP/AD	ACCESS PANEL/ ACCESS DOOR
CFF			CAPPED FOR FUTURE

LEGEND

SYMBOL	ABBREV.	DESCRIPTION
HWS	HWS	HOT WATER SUPPLY
HWR	HWR	HOT WATER RETURN
IW	IW	INDUSTRIAL WATER
V	V	VENT
MU	MU	MAKE-UP WATER
		CAPPED PIPE
CHWS	CHWS	CHILLED WATER SUPPLY
CHWR	CHWR	CHILLED WATER RETURN
VAV X-YZZ	VAV	VARIABLE AIR VOLUME BOX x - AC SYSTEM Y - FLOOR ZZ - BOX. No.
(L)		VAV OR CAV BOX. W/ LINED S.A. PLENUM
		CIRCUIT SETTER
		2-WAY CONTROL VALVE
		3-WAY CONTROL VALVE
	AAV	AUTOMATIC AIR VENT TO BE PIPED TO NEAREST APPROVED RECEPTOR
	MAV	MANUAL AIR VENT TO BE PIPED TO NEAREST APPROVED RECEPTOR
DP		DIFFERENTIAL PRESSURE
FS	FS	FLOOR SINK (SEE PLUMBING)
	POC	POINT OF CONNECTION
1 / M1		DETAIL DESIGNATION / SHEET NUMBER — DETAIL REFERENCE
1		SHEET NOTE
A / M-2		SECTION DESIGNATION SHEET NO. WHERE SECTION DRAWN
1		REVISION TAG
		RETURN / EXHAUST AIR FLOW DIRECTION
E / 1	E-1	NEW EQUIPMENT DESIGNATION
VD		RETURN AIR DUCT W/ BELLMOUTH OPENING W/ WIREMESH SCREEN AT AIR INLET

APPLICABLE CODES

2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2019 CALIFORNIA BUILDING CODE (VOL 1 & 2) (2018 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS)

2019 CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE WITH 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.

2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.

2019 CALIFORNIA REFERENCE STANDARDS CODE, PART 12, TITLE 24 C.C.R.

MECHANICAL SHEET INDEX

M0.01	MECHANICAL COVER SHEET
M0.02	MECHANICAL SCHEDULES
M0.03	MECHANICAL SCHEDULES
M1.01	MECHANICAL TITLE 24
M1.02	MECHANICAL TITLE 24
M2.01	MECHANICAL PLANS - LEVEL 1 & 2
M2.02	MECHANICAL PLAN - ROOF
M5.01	MECHANICAL CONTROLS
M5.02	MECHANICAL CONTROLS
M6.01	MECHANICAL DETAILS
M6.02	MECHANICAL DETAILS
M6.03	MECHANICAL DETAILS
M6.04	MECHANICAL DETAILS

LEHRER ARCHITECTS LA
2140 Pontius Avenue, Los Angeles, CA 90025-6306
ph 310.444.9747 fax 310.444.9756 www.lehrerarchitects.com

SK STRUCTURES
421 Fair Hedlegate Drive, Malibu, California 90265
ph 310.589.1111 fax 310.589.1112 www.skstructures.com

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NIKOLAS J. KOUKEAS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER:
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

GARY LEE MOORE, P.E., ENV SP
CITY OF LOS

ROOF TOP PACKAGED HEAT PUMP AIR CONDITIONING UNIT SCHEDULE

SYMBOL	MANUF & MODEL	AREA SERVED	NOM. TONS	MIN. OSA	SUPPLY FAN						EXHAUST FAN				ELECTRICAL				COOLING (98° F DB AMBIENT)						EFFICIENCY		HEATING			* AREA SMOKE DETECTOR SHUTDOWN	RTU WEIGHT (LBS.)	ROOF CURB WEIGHT (LBS.)	TOTAL WEIGHT (LBS.)	ANCHORAGE DETAIL REFERENCES	REMARKS
					AIR QUAN CFM	MOTOR (DIRECT DRIVE) TSP	ESP	BHP	HP	FLA	MOTOR (DIRECT DRIVE) ESP	BHP	HP	FLA	V-Ø-HZ.	F.L.A	M.C.A.	MROPD	TOTAL BTUH	SENSIBLE BTUH	ENT. AIR DB °F	ENT. AIR WB °F	LVG. AIR DB °F	LVG. AIR WB °F	EER	IEER	TOTAL MBTUH	COP	AMB. TEMP °F DB	LVG. TEMP °F DB					
RTU 1	DAIKIN DPS016A	GYMNASIUM	16.0	1,820	6,400	2.6	1.25	5.03	7.5	22.2	1.00	2.24	4.0	7.4	230-3-60	76.9	87.5	125.0	184,554	153,460	80.0	67.0	58.1	58.0	11.3	20.0	162.0	3.3	47.0	98.0	YES	3,613	500	4,113	1 M6.02	1 2 3 4 5 6
RTU 2	DAIKIN DPS012A	WEST OFFICES	12.0	730	4,800	2.4	1.25	2.83	4.0	7.4	1.00	1.70	4.0	7.4	230-3-60	52.6	56.6	70.0	147,948	118,837	80.0	67.0	57.4	57.3	11.2	18.0	136.0	3.6	47.0	98.0	YES	2,331	600	2,931	1 M6.02	1 2 3 4 5 6
RTU 3	DAIKIN DPS010A	EAST OFFICES	10.0	428	4,000	2.2	1.25	2.16	4.0	7.4	1.00	1.58	4.0	7.4	230-3-60	47.8	51.8	60.0	130,428	101,884	80.0	67.0	57.4	57.4	12.2	18.3	119.0	3.5	47.0	98.0	YES	2,321	360	2,681	1 M6.02	1 2 3 4 5 6
RTU 4	DAIKIN DPS016A	GYMNASIUM	16.0	1,820	6,400	2.6	1.5	5.03	7.5	22.2	1.00	2.24	4.0	7.4	230-3-60	76.9	87.5	125.0	184,554	153,460	80.0	67.0	58.1	58.0	11.3	20.0	162.0	3.3	47.0	98.0	YES	3,613	500	4,113	1 M6.02	1 2 3 4 5 6

1. HORIZONTAL DISCHARGE WITH FACTORY MOUNTED AND WIRED VFD, 100% CAPABLE RELIEF MODULATING TYPE ECONOMIZER WITH ENTHALPY CONTROL, 12" HIGH, 2" SPRING VIBRATION ISOLATOR CURB.
2. SINGLE POINT POWER CONNECTION INCLUDING INCLUDING RTU AND POWER EXHAUST FAN AND PROVIDE FAULT DETECTION DIAGNOSTICS PER T-24 120.2(I).
3. CA T-24 COMPLIANT ECONOMIZER WITH MODULATING POWER EXHAUST WITH ECM EXHAUST FAN, MODULATING WITH BLDG PRESSURE CONTROLLER.
4. COMPLETE WITH DEMAND CONTROL VENTILATION WITH FIELD MOUNTED CO2 SENSORS AND CONTROLS WIRED DIRECTLY TO UNIT CONTROL BOARD PER MANUFACTURER INSTRUCTIONS.
5. PROVIDE DUCT SMOKE DETECTOR ON THE SUPPLY DUCT MAIN. SEE DETAIL 2/M6.03.
6. PROVIDE 1" DOUBLE WALL CONSTRUCTION W/ R7 INSULATION, VAV OPERATION W/ ECM SUPPLY FAN. DUCT PRESSURE SENSING TUBE INSTALLED BY CONTRACTOR, VARIABLE SPEED FAN AND COMPRESSOR

HIGH WALL SPLIT SYSTEM SCHEDULE - INDOOR UNIT

SYMBOL	MANUF AND MODEL NO.	ROOM SERVED	TONNAGE	AIRFLOW CFM	REFRIGERATION AMBIENT DB- °F.	REFRIGERATION LVG. AIR DB/WB °F.	ELECTRICAL FLA	MCA	MCOP	V-Ø-HZ	OPERATING WEIGHT (LBS.)	ANCHORAGE DETAIL	REMARKS
FC 1	DAIKIN FTK24AXVJU	ITA ROOM 115	2.0	650	95	58.0 / 57.0	1	1	1	POWER FROM CU-1	31	4 M6.01	2
FC 2	DAIKIN FTK12AXVJU	FUTURE BATTERY ROOM 116	1.0	350	95	58.0 / 57.0	1	1	1	POWER FROM CU-2	22	4 M6.01	2
FC 3	DAIKIN FTK12AXVJU	ELECTRICAL ROOM 117	1.0	350	95	58.0 / 57.0	1	1	1	POWER FROM CU-3	22	4 M6.01	2

1. POWER TO BE SUB FED FROM OUTDOOR UNIT.
2. COMPLETE WITH MOUNTING BRACKETS, CLEANABLE FILTERS (2)9x12 AND WALL MOUNTED REMOTE THERMOSTAT AND CONDENSATE PUMP (120V-1) WITH SAFETY OVERFLOW SWITCH.

HIGH WALL SPLIT SYSTEM SCHEDULE - OUTDOOR UNIT

SYMBOL	MANUF AND MODEL NO.	UNIT SERVED	COOLING CAPACITY (BTUH) TOTAL	COOLING CAPACITY (BTUH) SENS.	SEER	EER	ELECTRICAL FAN MOTOR (WATTS)	FLA	MCA	MOCP	V-Ø-HZ	REFRIGERANT LINES SUCTION	REFRIGERANT LINES LIQUID	OPERATING WEIGHT (LBS.)	ANCHORAGE DETAIL	CONTROL DETAIL	REMARKS
CU 1	DAIKIN RK24AXVJU	FC 1	24,000	15,700	19.0	12.5	128	1.0	13.4	20.0	208/230-1-60	5/8	1/4	106	6 M6.01	3 M5.02	3 4 5 6
CU 2	DAIKIN RK12AXVJU	FC 2	13,300	9,100	19.0	12.5	41	0.47	7.8	15.0	208/230-1-60	3/8	1/4	62	6 M6.01	3 M5.02	3 4 5 6
CU 3	DAIKIN RK12AXVJU	FC 3	13,300	9,100	19.0	12.5	41	0.47	7.8	15.0	208/230-1-60	3/8	1/4	62	6 M6.01	3 M5.02	3 4 5 6

3. GROSS COOLING CAPACITY BASED ON 105° F TEMPERATURE OF AIR ENTERING CONDENSER.
4. BOTH REFRIGERANT PIPING SHALL BE INSULATED WITH SHEET METAL JACKETS AND PER THE LATEST MECHANICAL AND LOCAL CODES.
5. PROVIDE FAULT DETECTION DIAGNOSTICS PER TITLE 24, 120.2(1).

INLINE SPLIT SYSTEM FAN COIL UNIT SCHEDULE - INDOOR UNIT

SYMBOL	MANUF AND MODEL NO.	ROOM SERVED	TONNAGE	AIRFLOW CFM	ESP IN.	REFRIGERATION AMBIENT DB- °F.	REFRIGERATION LVG. AIR DB/WB °F.	ELECTRICAL FLA	MCA	MCOP	V-Ø-HZ	OPERATING WEIGHT (LBS.)	ANCHORAGE DETAIL	REMARKS
FC 4	DAIKIN FDMQ18RVJU	ELEVATOR MACHINE RM 107	1.5	475	0.50	95	58.0 / 57.0	1	1	1	208/230-1-60	31	2 M6.02	1 2 3 4

1. POWERED FROM OUTDOOR UNIT.
2. PROVIDE PROGRAMMABLE THERMOSTAT WITH MOUNTING BRACKETS.
3. PROVIDE ASPEN MINI ORANGE CONDENSATE PUMP ASP-MO-UNIV 110-250 POWERED FROM UNIT.
4. PROVIDE SECONDARY DRAIN PAN WITH SAFETY OVERFLOW SWITCH OR SPOT LEAK DETECTOR PLACED IN DRAIN PAN AND SHUT DOWN UNIT UPON ACTIVATION.

INLINE SPLIT SYSTEM CONDENSING UNIT SCHEDULE - OUTDOOR UNIT

SYMBOL	MANUF AND MODEL NO.	UNIT SERVED	COOLING CAPACITY (BTUH) TOTAL	COOLING CAPACITY (BTUH) SENS.	SEER	EER	ELECTRICAL FLA	MCA	MOCP	V-Ø-HZ	REFRIGERANT LINES SUCTION	REFRIGERANT LINES LIQUID	OPERATING WEIGHT (LBS.)	ANCHORAGE DETAIL	CONTROL DETAIL	REMARKS
CU 4	DAIKIN RX18RMVJU9A	FC 4	19,600	14,900	18.5	12.5	0.38	12.8	15.0	208/230-1-60	1/2	1/4	100	6 M6.01	3 M5.02	4 5 6

4. GROSS COOLING CAPACITY BASED ON 105° F TEMPERATURE OF AIR ENTERING CONDENSER.
5. BOTH REFRIGERANT PIPING SHALL BE SIZED BY OUTDOOR CONDENSING UNIT WITH LONG LINE ACCESSORIES AS NEEDED. PIPING SHALL BE INSULATED WITH SHEET METAL JACKETS AND PER THE LATEST MECHANICAL AND LOCAL CODES.
6. PROVIDE FAULT DETECTION DIAGNOSTICS PER TITLE 24, 120.2(1).

SOUND TRAP SCHEDULE

	MANUFACTURER MODEL NO.	LOCATION	TOTAL CFM	OVERALL DIMENSIONS L x W x H	SILENCER ENTERING VELOCITY (FPM)	MAX. PRESSURE DROP INCHES	WEIGHT (LBS)	ANCHORAGE DETAIL
ST-1S	PRICE RM60/7B	RTU-1 SUPPLY DUCT	4800	60 x 26 x 26	1022	0.06	113	3 M6.03
ST-1R	PRICE RM60/7B	RTU-1 RETURN DUCT	4800	60 x 26 x 26	1022	0.06	113	3 M6.03
ST-2S	PRICE RM60/7B	RTU-4 SUPPLY DUCT	4800	60 x 26 x 26	1022	0.06	113	3 M6.03
ST-2R	PRICE RM60/7B	RTU-4 RETURN DUCT	4800	60 x 26 x 26	1022	0.06	113	3 M6.03

BUREAU OF ENGINEERING — OFFICIAL RECORD

LEHRER ARCHITECTS LA — 421 Fan Hollegate Drive, Malibu, California 90265 — 310.589.8800 — 310.589.8801 — 2140 Manhattan Avenue, Los Angeles, CA 90027 ATA 3035844 CSLB 1035844

SSK ENGINEERS — 421 Fan Hollegate Drive, Malibu, California 90265 — 310.589.8800 — 310.589.8801

ENGINEERING — CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER — NIKOLOS J. KOUKOS — No. M31713 — Exp. 6/30/2025 — MECHANICAL — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS — CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP — DATE: — Issue Date — Issue Date — Issue Date — Issue Date — Issue Date — Issue Date

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: MECHANICAL SCHEDULES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. M0.02

SHEET 0 OF SHEETS

PLOTTED:6/24/2024 3:51:03 PM

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 09/22/20
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

ZONE DAMPER SCHEDULE

TAG NO.	MANUF MODEL NO.	AREA SERVED	SIZE	LOCATION	MAXIMUM PRIMARY (CFM)	MINIMUM PRIMARY (CFM)	INLET SP (IN. W.G)	OULET SP (IN. W.G)	MAXIMUM DISCHARGE NC (DB)	CONTROL DETAILS	REMARKS
ZD 1	PRICE RDV5	MPR C ROOM 206	8	CEILING	500	150	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 2	PRICE RDV5	MPR C ROOM 206	8	CEILING	500	150	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 3	PRICE RDV5	MPR B ROOM 209	8	CEILING	500	150	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 4	PRICE RDV5	MPR B ROOM 209	8	CEILING	500	150	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 5	PRICE RDV5	MPR A ROOM 214	8	CEILING	500	150	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 6	PRICE RDV5	MPR A ROOM 214	8	CEILING	500	150	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 7	PRICE RDV5	MPR D ROOM 202	8	CEILING	500	150	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 8	PRICE RDV5	MPR D ROOM 202	8	CEILING	500	150	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 9	PRICE RDV5	COMPUTER LAB/ CLASSROOM 119	6	CEILING	325	100	0.45	0.20	20	- M5.01 - M5.01	1 2 3 4
ZD 10	PRICE RDV5	CATERING KITCHEN ROOM 114	5	CEILING	250	75	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 11	PRICE RDV5	STAFF LOUNGE ROOM 106	5	CEILING	250	75	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4
ZD 12	PRICE RDV5	DIRECTOR OFFICE ROOM 105	5	CEILING	250	75	0.45	0.20	– (5)	- M5.01 - M5.01	1 2 3 4

REMARKS
(1) PROVIDE LOW VOLTAGE (1) TRANSFORMER 24VAC/100VA FOR EACH ZONE DAMPER.
(2) PROVIDE WITH PRICE LCD THERMOSTAT AND VVT CHANGEOVER CONTROLLER TO INTEGRATE WITH EACH RTU. THERMOSTAT SHALL BE TITLE 24 COMPLIANT."
(3) PROVIDE WITH FACTORY INSTALLED REDUCER AND CONTROL ON THE HOT SIDE. FIELD INSTALLED REDUCER WILL NOT BE ACCEPTED.
(4) ALL PERFORMANCE BASED ON TEST CONDUCTED IN ACCORDANCE WITH ASHRAE 130-2008 AND AHRI 880-2008.
(5) DASHES INDICATE NC VALUES LESS THAN 20.

EXHAUST FAN SCHEDULE

ITEM NO.	MANUF MODEL NO.	AREA SERVED	TYPE / DRIVE	LOCATION	AIR QUAN CFM	ESP IN H2O	FAN RPM	MOTOR HP	MOTOR V-□-HZ	OPER WT LBS.	ANCHOR DETAIL	CONTROL DETAILS	REMARKS
EF 1	COOK GC-148	PARK RESTROOM RM 118	CEILING/ BELT	CEILING	112	0.440	1075	44 WATTS	115-1-60	15	3 M6.01	4 M5.02	1 2
EF 2	COOK GC-188	STAFF STORAGE RM 101	CEILING/ BELT	CEILING	235	0.35	1450	105 WATTS	115-1-60	17	3 M6.01	4 M5.02	1 2
EF 3	COOK GC-186	FUTURE BATTERY RM 116	CEILING/ BELT	CEILING	210	0.35	1100	87 WATTS	115-1-60	17	3 M6.01	4 M5.02	1 2
EF 4	COOK GC-148	WATER HEATER RM 125	CEILING/ BELT	CEILING	125	0.35	1075	44 WATTS	115-1-60	16	3 M6.01	4 M5.02	1 2
EF 5	COOK GC-148	JANITOR STORAGE RM 108	CEILING/ BELT	CEILING	112	0.35	1075	44 WATTS	115-1-60	16	3 M6.01	4 M5.02	1 2
EF 6	COOK GC-622	GYM STORAGE RM 109	CEILING/ BELT	CEILING	400	0.46	1400	119 WATTS	115-1-60	30	3 M6.01	4 M5.02	1 2
EF 7	COOK 101R17D OR60	STAFF RESTROOM RM 120	ROOFTOP/ DIRECT	ROOFTOP	100	0.77	1725	1/8	115-1-60	40	5 M6.01	4 M5.02	1 2 3 4
EF 8	COOK 101R17D OR70	STAFF LOUNGE RM 106	ROOFTOP/ DIRECT	ROOFTOP	177	0.76	1725	1/8	115-1-60	40	5 M6.01	4 M5.02	1 2 3 4
EF 9	COOK 101R17D OR70	RESTROOM 2 RM 203	ROOFTOP/ DIRECT	ROOFTOP	177	0.77	1725	1/8	115-1-60	40	5 M6.01	4 M5.02	1 2 3 4
EF 10	COOK 120R17D OR80	WOMEN RESTROOM RM 113	ROOFTOP/ DIRECT	ROOFTOP	400	1.00	1639	1/4	460-3-60	60	5 M6.01	4 M5.02	1 2 3 4
EF 11	COOK 120R17D OR80	MENS RESTROOM RM 112	ROOFTOP/ DIRECT	ROOFTOP	350	1.00	1611	1/4	460-3-60	60	5 M6.01	4 M5.02	1 2 3 4
EF 12	COOK 101R17D OR60	RESTROOM 1 RM 211	ROOFTOP/ DIRECT	ROOFTOP	140	0.68	1725	1/8	115-1-60	40	5 M6.01	4 M5.02	1 2 3 4

REMARKS (1) PROVIDE BACKDRAFT DAMPER. (2) CONTROLLED BY BUILDING DDC. (3) PROVIDE MANUF PREFABRICATED 12 INCH HIGH ROOF CURB, NEOPRENE PAD AND BACKDRAFT DAMPER. (4) HINGED CURB KIT.

DUCT SIZING SCHEDULE FOR LOW VELOCITY SUPPLY, RETURN AND EXHAUST

CFM RANGE	ROUND DUCT DIAMETER OR EQUIVALENT RECTANGULAR DUCT	CFM RANGE	ROUND DUCT DIAMETER OR EQUIVALENT RECTANGULAR DUCT
0-110	6" OR 8"X4"	1400-1900	18" OR 24"X12"
101-180	8" OR 10"X6"	1900-2500	20" OR 24"X14"
181-270	10" OR 10"X8"	2500-3300	22" OR 32"X14"
271-400	10" OR 12"X8"	3300-4100	24" OR 36"X14"
401-600	12" OR 12"X10"	4100-5000	26" OR 40"X16"
601-900	14" OR 16"X10	5000-6200	28" OR 48"X16"
901-1400	16" OR 18"X12"	6200-7500	30" OR 48"X18"

REMARKS: DUCT SIZES INDICATED ARE INSIDE DIMENSIONS WHICH MAY BE ALTERED BY CONTRACTOR TO OTHER DIMENSIONS TO AVOID INTERFERENCES AND CLEARANCE REQUIREMENTS. USE EQUAL FRICTION METHOD, 0.1"WG PER 100 FT. OF DUCT TO DETERMINE DUCT SIZES. VERIFY EXISTING LAB WASTE PIPING ETC FROM 1ST FLOOR.

VERIFY ALL DIMENSIONS AT THE SITE, MAKE ALL FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION AND ERECTION OF SHEET METAL WORK. MAKE ALLOWANCES FOR BEAMS, PIPE OR OTHER OBSTRUCTION AND FOR WORK BY OTHER TRADES AND NOTIFY THE ARCHITECT IN THE EVENT OF ANY POTENTIAL INTERFERENCE. MAKE AN INITIAL VERIFICATION OF BEAM PENETRATIONS SHOWN ON STRUCTURAL DRAWINGS AND ADVISE OF ANY POTENTIAL INTERFERENCES.

NOTE: ANY CORE LOCATION NOT SHOWN ON THE PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO CORING. SCANNING PRIOR TO CORING ANY WALLS OR FLOORS TO ENSURE THAT NO REINFORCING STEEL IS CUT OR DAMAGED IS MANDATORY.

SUPPLY SIDEWALL REGISTER SCHEDULE

SUPPLY AIR GRILLES

MARK OR SYMBOL (3)	TYPE	NECK SIZE (1)	FACE DIM (2)	CFM RANGE	DUCT CONN (4) SIZE	REMARKS
SWG CFM ONE WAY FLOW TWO WAY FLOW	LOUVERED FACE DIFFUSERS WITH DIRECTIONAL AIR PATTERN AND VOLUME DAMPER IN BRANCH DUCT. MANUFACTURER TITUS 300RS (U.N.O.)	6X6	IN ACOUSTICAL WALL, 30X14 FLUSH MOUNTED, UNLESS OTHERWISE NOTED ON PLANS. IN GYPSUM BOARD CEILING, SURFACE MOUNTED.	UP TO 100	7" DIA	UNLESS OTHERWISE NOTED ON DRAWINGS. TO SUIT CEILING GRID SYSTEMS REFER TO ARCH DRAWINGS FOR FRAME STYLE TYPES. ALL AIR DISTRIBUTION CORES TO PROVIDE EQUAL AIR FLOW INEACH DIRECTION. FURNISHED WITH SQUARE TO ROUND TRANSITION INLET COLLAR FOR EASY DUCT CONNECTION. NOISE LEVEL NOT TO EXCEED NC 30 (U.N.O.) (1) (2) (3) (4) (5)
		8X8		101-150	8" DIA	
		10X10		151-200	9" DIA	
		12X12		201-300	10" DIA	
		14X12		301-400	11" DIA	
		16X12		401-500	12" DIA	
		18X12		501-700	14" DIA	
		20X12		901-1000	16" DIA	

SUPPLY CEILING DIFFUSER SCHEDULE

SUPPLY AIR DIFFUSERS

MARK OR SYMBOL (3)	TYPE	NECK SIZE (1)	FACE DIM (2)	CFM RANGE	DUCT CONN (4) SIZE	REMARKS
CD CFM ONE WAY FLOW TWO WAY FLOW CORNER FLOW	LOUVERED FACE DIFFUSERS WITH DIRECTIONAL AIR PATTERN & VOLUME DAMPER IN BRANCH DUCT. MANUFACTURER TITUS OMNI-HT (U.N.O.)	6X6	IN ACOUSTICAL CEILING, 24X24 OR 18x18 FLUSH MOUNTED, UNLESS OTHERWISE NOTED ON PLANS. IN GYPSUM BOARD CEILING, SURFACE MOUNTED.	UP TO 100	7" DIA	UNLESS OTHERWISE NOTED ON DRAWINGS. TO SUIT CEILING GRID SYSTEMS REFER TO ARCH DRAWINGS FOR FRAME STYLE TYPES. ALL AIR DISTRIBUTION CORES TO PROVIDE EQUAL AIR FLOW INEACH DIRECTION. FURNISHED WITH SQUARE TO ROUND TRANSITION INLET COLLAR FOR EASY DUCT CONNECTION. NOISE LEVEL NOT TO EXCEED NC 30 (U.N.O.) (1) (2) (3) (4) (5)
		8X8		101-150	8" DIA	
		10X10		151-200	9" DIA	
		12X12		201-300	10" DIA	
		14X14		301-400	11" DIA	
		16X16		401-500	12" DIA	
		18X18		501-650	14" DIA	
THREE WAY FLOW FOUR WAY FLOW		6X6		UP TO 125	8" DIA	
		8X8		126-200	9" DIA	
		10X10		201-300	10" DIA	
		12X12		301-400	11" DIA	
		14X14		401-550	12" DIA	
		16X16		551-700	14" DIA	
		18X18		701-900	14" DIA	

EXHAUST OR RETURN GRILLE SCHEDULE

RETURN & EXHAUST REGISTERS / GRILLES

MARK OR SYMBOL (3)	TYPE	NECK SIZE (1)	FACE DIM (2)	CFM RANGE	DUCT (4) CONN (5) SIZE	REMARKS
EG OR RG EG CFM OR RG CFM	PERFORATED FACE EXHAUST OR RETURN GRILL WITH VOLUME DAMPER IN BRANCH DUCT. MANUFACTURER TITUS 50F (U.N.O.)	6 X 6	UNLESS OTHERWISE NOTED ON PLANS, IN ACOUSTICAL CEILING, 24X24 OR 12x12 FLUSH MOUNTED IN GYP BOARD CEILINGS & WALLS SURFACE MOUNTED.	UP TO 70	6" DIA	UNLESS OTHERWISE NOTED ON DRAWINGS. TO SUIT CEILING GRID SYSTEMS REFER TO ARCH DRAWINGS FOR FRAME STYLE TYPES. ALL AIR DISTRIBUTION CORES TO PROVIDE EQUAL AIR FLOW INEACH DIRECTION. FURNISHED WITH SQUARE TO ROUND TRANSITION INLET COLLAR FOR EASY DUCT CONNECTION. NOISE LEVEL NOT TO EXCEED NC 30 (U.N.O.) (1) (2) (3) (4) (5)
		8 X 8		71-150	8" DIA	
		10 X 10		151-300	10" DIA	
		12 X 12		301-450	11" DIA	
		14 X 14		451-650	12" DIA	
		16 X 16		651-800	14" DIA	
		18 X 18		801-1000	15" DIA	
		20 X 20		1000-1300	16" DIA	

TRANSFER DUCT SCHEDULE

MARK	CFM	* SIZE (IN)	FPM
TD-1	UP TO 400	14"□ OR 12x12	400
TD-2	401 TO 600	16"□ OR 18x12	400
TD-3	601 TO 800	18"□ OR 24x12	400
TD-4	801 TO 1000	20"□ OR 30x12	450
TD-5	1001 TO 1500	24"□ OR 30x16	450
TD-6	1501 TO 2000	28"□ OR 34x20	425
	OVER 2000	USE MULT TRD'S	

* UNLESS OTHERWISE NOTED

DUCT SIZING** (MEDIUM PRESSURE DUCTWORK)

CFM	ROUND DUCT (IN)	RECTANGULAR DUCT (IN) (W IS DUCT WIDTH) WX4	WX6	WX8	WX10	WX12
UP TO 100	6	8	6	X	X	X
101 TO 200	8	10	10	8	X	X
201 TO 400	10	X	16	12	10	X
401 TO 600	12	X	X	16	12	X
601 TO 1000	14	X	X	22	16	14

REMARKS:

DUCT SIZES INDICATED ARE INSIDE DIMENSIONS WHICH MAY BE ALTERED BY CONTRACTOR TO OTHER DIMENSIONS TO AVOID INTERFERENCES AND CLEARANCE REQUIREMENTS. USE EQUAL FRICTION METHOD, 0.1"WG PER 100 FT. OF DUCT TO DETERMINE DUCT SIZES.

VERIFY ALL DIMENSIONS AT THE SITE, MAKE ALL FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION AND ERECTION OF SHEET METAL WORK. MAKE ALLOWANCES FOR BEAMS, PIPE OR OTHER OBSTRUCTION AND FOR WORK BY OTHER TRADES AND NOTIFY THE ARCHITECT IN THE EVENT OF ANY POTENTIAL INTERFERENCE. MAKE AN INITIAL VERIFICATION OF BEAM PENETRATIONS SHOWN ON STRUCTURAL DRAWINGS AND ADVISE OF ANY POTENTIAL INTERFERENCES.

DRUM LOUVER SUPPLY REGISTER SCHEDULE

ITEM NO.	CEILING TYPE	MANUFACTURER MODEL NO.	FACE TYPE	FINISH	REMARKS
DL-1	EXPOSED	TITUS DL-SV DRUM LOUVER	30"x6" SPLIT VANE	PAINTED PER ARCH'L	COMPLETE WITH SEALING GASKET AND UNIVERSAL END CAP

REMARKS:
(1) MAXIMUM NC NOT TO EXCEED 3O.

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 01/12/21
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
421 Fair Hedington Drive, Altadena, California 91101
213.804.2424 Los Angeles 626.794.8888 Altadena
SK STRUCTURES
421 Fair Hedington Drive, Altadena, California 91101
626.794.8888 Altadena

ENGINEERING
CITY OF LOS ANGELES
BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NIKOLAS J. KOUKIS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
DATE: Issue Date / Issue Date / Issue Date / Issue Date / Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: MECHANICAL SCHEDULES
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
OFFICIAL RECORD

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. M0.03
SHEET O F SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date

PLOTTED:6/24/2024 3:51:04 PM

Project Name:	Hollywood Rec Center	NRCC-PRF-01-E	Page 1 of 12
Project Address:	1122 Cole ave Los Angeles 90038	Calculation Date/Time:	17:29, Wed, Aug 16, 2023
Input File Name:	19014 - T24 Hollywood Rec EP8 vs 14 Perf.cibd19x		

A. GENERAL INFORMATION

1	Project Location (city)	Los Angeles	8	Standards Version	Compliance2019
2	CA Zip Code	90038	9	Compliance Software (version)	EnergyPro 8.3
3	Climate Zone	9	10	Weather File	LOS-ANGELES-DOWNTOWN_722874_CZ2010.epw
4	Total Conditioned Floor Area in Scope	12,881 ft²	11	Building Orientation (deg)	(N) 0 deg
5	Total Unconditioned Floor Area	0 ft²	12	Permitted Scope of Work	NewEnvelopeAndMechanical
6	Total # of Stories (Habitable Above Grade)	1	13	Building Type(s)	Nonresidential
7	Total # of dwelling units	0	14	Gas Type	Propane

B. PROJECT SUMMARY

Table Instructions: Table B shows which building components are included in the performance calculation. If indicated as not included, the project must show compliance prescriptively if within permit application.

Building Components Complying via Performance				Building Components Complying Prescriptively			
Envelope (see Table G)	☒	Performance	Covered Process: Commercial Kitchens	☐	Performance	*The following building components are ONLY eligible for prescriptive compliance and should be documented on the NRCC form listed if within the scope of the permit application (i.e. compliance will not be shown on the NRCC-PRF-E).*	
	☐	Not Included		☒	Not Included		
Mechanical (see Table H)	☒	Performance	Covered Process: Computer Rooms	☐	Performance	Indoor Lighting (Unconditioned)§140.6	*NRCC-LTI-E*
	☐	Not Included		☒	Not Included	Outdoor Lighting §140.7	*NRCC-LTO-E*
Domestic Hot Water (see Table I)	☐	Performance	Covered Process: Laboratory Exhaust	☐	Performance	Sign Lighting §140.8	*NRCC -LTS-E*
	☒	Not Included		☒	Not Included	Mandatory Measures	
Lighting (Indoor Conditioned, see Table K)	☐	Performance				*Electrical power systems, commissioning, solar ready, elevator and escalator requirements are mandatory and should on the NRCC form listed if applicable (i.e. compliance will not be shown on the NRCC-PRF-E.)*	
	☒	Not Included				Electrical Power Distribution S110.11	*NRCC-ELC-E*
Solar Thermal Water Heating (see Table I)	☐	Performance				Commissioning S120.8	*NRCC-CXR-E*
	☒	Not Included				Solar Ready S110.10	*NRCC-SRA-E*

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C1. COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS (Annual TDV Energy Use, kBtu/ft²-yr)

COMPLIES

Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Space Heating	44.51	21.95	22.56
Space Cooling	67.56	70.32	-2.76
Indoor Fans	44.41	34.33	10.08
Heat Rejection	--	--	--
Pumps & Misc.	--	--	--
Domestic Hot Water	47.32	47.32	--
Indoor Lighting	54.09	61.43	-7.34
ENERGY STANDARDS COMPLIANCE TOTAL	**257.89**	**235.35**	**22.54 (8.7%)**

[1] Notes: The number in parenthesis following the Compliance Margin in column 4. represents the Percent Better than Standard.

C2. RESULTS FOR 'ABOVE CODE' QUALIFICATIONS[1]

☐ This project is pursuing CalGreen Tier 1 ☐ This project is pursuing CalGreen Tier 2

Miscellaneous Energy Component	Standard Design (TDV)	Proposed Design (TDV)	Compliance Margin (TDV)[1]
Receptacle	44.26	44.26	--
Process	42.22	42.22	--
Other Ltg	--	--	--
Process Motors	--	--	--
COMPLIANCE TOTAL PLUS MISCELLANEOUS COMPONENTS	**344.37**	**321.83**	**22.5 (6.5%)**

[1] Notes: This table is used to document compliance with programs OTHER THAN Title 24 Part 6, if applicable.

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C3. ENERGY USE SUMMARY

Energy Component	Standard Design Site (MWh)	Proposed Design Site (MWh)	Margin (MWh)	Standard Design Site (MBtu)	Proposed Design Site (MBtu)	Margin (MBtu)
Space Heating	--	11.7	-11.7	142.5	--	142.5
Space Cooling	18.2	17.0	1.2	--	--	--
Indoor Fans	17.0	11.2	5.8	--	--	--
Heat Rejection	--	--	--	--	--	--
Pumps & Misc.	--	--	--	--	--	--
Domestic Hot Water	3.9	3.9	0.0	132.3	132.3	0.0
Indoor Lighting	23.4	26.5	-3.1	--	--	-->
Compliance Total	**62.5**	**70.3**	**-7.8**	**274.8**	**132.3**	**142.5**
Receptacle	19.3	19.3	0.0	--	--	--
Process	18.4	18.4	0.0	--	--	--
Other Ltg	--	--	--	--	--	--
Process Motors	--	--	--	--	--	--
TOTAL	**100.2**	**108.0**	**-7.8**	**274.8**	**132.3**	**142.5**

D. EXCEPTIONAL CONDITIONS

This project includes partial performance compliance scope options. The building must show compliance with all other applicable compliance scope options (performance or prescriptively) before occupying.

The aged solar reflectance and aged thermal emittance must be listed in the Cool Roof Rating Council database of certified products. For projects where initial reflectance is used, the initial reflectance must be listed, and the aged reflectance is calculated by the software program and used in the compliance model.

The building does not include service water heating. Verify that service water heating is not required and is not included in the design.

This project uses the Simplified Geometry Performance Modeling Approach which is not capable of modeling daylighting controls and assumes the prescriptive Secondary Daylit Control requirements are met. PRESCRIPTIVE COMPLIANCE documentation (form NRCC-LTI-02-E) for the requirements of section 140.6(d) Automatic Daylighting Controls in Secondary Daylit Zones is required.

E. HERS VERIFICATION

This Section Does Not Apply

Project Name:	Hollywood Rec Center	NRCC-PRF-01-E	Page 4 of 12
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G1. ENVELOPE GENERAL INFORMATION (conditioned spaces only)

1 Opaque Surfaces & Orientation	2 Total Gross Surface Area (ft²)	3 Total Fenestration Area (ft²)	4 Window to Wall Ratio (%)
North-Facing[1]	2,219 ft²	748 ft²	33.7%
East-Facing[2]	6,816 ft²	1,744 ft²	25.6%
South-Facing[3]	0 ft²	0 ft²	00.0%
West-Facing[4]	5,624 ft²	1,173 ft²	20.9%
Total	**14,659 ft²**	**3,665 ft²**	**25.0%**
Roof	10,645 ft²	0 ft²	00.0%

Notes:
[1] North-Facing is oriented to within 45 degrees of true north, including 45°00'00" east of north (NE), but excluding 45°00'00" west of north (NW).
[2] East-Facing is oriented to within 45 degrees of true east, including 45°00'00" south of east (SE), but excluding 45°00'00" north of east (NE).
[3] South-Facing is oriented to within 45 degrees of true south, including 45°00'00" west of south (SW), but excluding 45°00'00" east of south (SE).
[4] West-Facing is oriented to within 45 degrees of true west, including 45°00'00" north of due west (NW), but excluding 45°00'00" south of west (SW).

G2. CRRC ROOFING PRODUCT SUMMARY

1 Assembly Name	2 Roof Pitch	3 Aged Solar Reflectance	4 Thermal Emittance	5 SRI
R-30 Metal Deck Roof6	Low-Slope	0.63	0.75	Not Provided

G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1 Surface Name	2 Surface Type	3 Area (ft²)	4 Framing Type	5 Cavity R-Value	6 Continuous R-Value	7 Units	8 Value	9 Description of Assembly Layers	10 Status[1]
R-30 Metal Deck Roof6	Roof	10645	NA	0	29	U-Factor	0.032	Built-up roofing - 3/8 in. Plywood - 1/2 in. Cellular polyisocyanurate (unfaced) - 5 in. R29 Metal Deck - 1/16 in.	N

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G3. OPAQUE SURFACE ASSEMBLY SUMMARY

1 Surface Name	2 Surface Type	3 Area (ft²)	4 Framing Type	5 Cavity R-Value	6 Continuous R-Value	7 Units	8 Value	9 Description of Assembly Layers	10 Status[1]
R-19 Wall + R8 Cont Rigid8	ExteriorWall	14659	Metal	19	8	U-Factor	0.070	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Expanded Polystyrene - EPS - 1 7/8 in. R8.0 Metal framed wall, 16in. OC, 7.25in., R-19 Gypsum Board - 3/4 in.	N
Slab On Grade25	UndergroundFloor	10414	NA	0	NA	F-Factor	0.73	Slab Type = UnheatedSlabOnGrade Insulation Orientation = None Insulation R-Value = R0	N
R-0 Wall34	InteriorWall	3514	Metal	0	NA	U-Factor	0.371	Stucco - 7/8 in. Vapor permeable felt - 1/8 in. Metal framed wall, 16in. OC, 3.5in., R-0 Gypsum Board - 1/2 in.	N
Uninsulated Raised Slab F55	ExteriorFloor	2467	NA	0	NA	U-Factor	0.258	Compliance Insulation R0.10 Concrete - 140 lb/ft3 - 4 in. Carpet - 3/4 in.	N
Internal Glass Wall75	InteriorWall	1210	NA	0	NA	U-Factor	0.735	Aluminum w/out Thrml Break - Single glass pane. stone. or metal pane - No Ins.	N

[1] Status: N - New, A – Altered, E – Existing

G4. OPAQUE DOOR SUMMARY

1 Assembly Name	2 Overall U-factor	3 Status[1]
Metal Door43	0.700	N

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G5. FENESTRATION ASSEMBLY SUMMARY

1 Fenestration Assembly Name / Tag or I.D.	2 Fenestration Type / Product Type / Frame Type	3 Certification Method[1]	4 Assembly Method	5 Area ft²	6 Overall U-factor	7 Overall SHGC	8 Overall VT	9 Status[2]
Kalwall Glass (0.20 U 0.09 Shgc 0.17 VT)	VerticalFenestration FixedWindow N/A	NFRC Rated	Manufactured	2440	0.20	0.09	0.13	N
Solar Band 90 (0.24 U 0.23 Shgc 0.51 VT)	VerticalFenestration CurtainWall N/A	NFRC Rated	Manufactured	1225	0.24	0.23	0.51	N

[1] Newly installed fenestration shall have a certified NFRC Label Certificate or use the CEC default tables found in Table 110.6-A and Table 110.6-B. Center of Glass (COG) values are for the glass-only, determined by the manufacturer, and are shown for ease of verification. Site-built fenestration values are calculated per Nonresidential Appendix NA6 and are used in the analysis.
[2] Status: N - New, A – Altered, E – Existing

H1. DRY SYSTEM EQUIPMENT (furnaces, air handling units, heat pumps, VRF, economizers etc.)

1	2	3	4	5	6	7	8	9	10	11	12
			Heating				Cooling				
Equipment Name	Equipment Type	Qty	Total Heating Output (kBtu/h)	Supp Heat Output (kBtuh)	Efficiency Unit	Efficiency	Total Cooling Output (kBtu/h)	Efficiency Unit	Efficiency	Economizer Type (if present)	Status[1]
RTU-4 East Gym	SZVAVHP (Packaged3Phase)	1	162	0	COP	3.30	185	EER	11.3	FixedDryBulb	N
RTU-2 West Offices	SZVAVHP (Packaged3Phase)	1	136	0	COP	3.65	148	EER	11.2	FixedDryBulb	N
RTU-3 East Offices	SZVAVHP (Packaged3Phase)	1	119	0	COP	3.50	130	EER	12.2	FixedDryBulb	N
RTU-1 West Gym	SZVAVHP (Packaged3Phase)	1	162	0	COP	3.30	185	EER	11.3	FixedDryBulb	N

[1] Status: N - New, A – Altered, E – Existing

Project Name:	Hollywood Rec Center	NRCC-PRF-01-E	Page 7 of 12
Project Address:	1122 Cole ave Los Angeles 90038	Calculation Date/Time:	17:29, Wed, Aug 16, 2023
Input File Name:	19014 - T24 Hollywood Rec EP8 vs 14 Perf.cibd19x		

H2. FAN SYSTEMS SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12	13	14
		Design OA	Supply Fan					Return Fan					
Name or Item Tag	Qty	CFM	CFM	Modeling Method	Power	Power Units	Control	CFM	Modeling Method	Power	Power Units	Control	Status[1]
RTU-4 East Gym	1	1820	6400	BrakeHorsePower	5.030	bhp	VariableSpeedDrive	NA	NA	NA	NA	NA	N
RTU-2 West Offices	1	1068	4800	BrakeHorsePower	2.830	bhp	VariableSpeedDrive	3990	BrakeHorsePower	1.570	bhp	VariableSpeedDrive	N
RTU-3 East Offices	1	697	4000	BrakeHorsePower	2.160	bhp	VariableSpeedDrive	NA	NA	NA	NA	NA	N
RTU-1 West Gym	1	1820	6400	BrakeHorsePower	5.030	bhp	VariableSpeedDrive	NA	NA	NA	NA	NA	N

[1] Status: N - New, A – Altered, E – Existing

H3. EXHAUST FAN SUMMARY

1 System ID	2 Zone Name	3 Qty	4 CFM	5 Motor BHP	6 Power Per Flow (W/cfm)	7 Total Static Pressure (in. H_2O)	8 Status[1]
1st Flr Restrooms26	2-1st Flr Restrooms	1	1,820	0.375	0.180	0.85	N
Restrooms120	3-Restrooms	1	500	0.125	0.218	1.03	N

[1] Status: N - New, A – Altered, E – Existing

H4. Wet System Equipment(boilers,chillers,cooling towers,etc.)

This Section Does Not Apply

H5. PUMPS

This Section Does Not Apply

Project Name:	Hollywood Rec Center	NRCC-PRF-01-E	Page 8 of 12
Project Address:	1122 Cole ave Los Angeles 90038	Calculation Date/Time:	17:29, Wed, Aug 16, 2023
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H6. SYSTEM SPECIAL FEATURES

1 System Name	2 Equipment Type	3 Window Interlocks per §140.4(n)	4 Other Special Features and Controls
RTU-4 East Gym	SZVAVHP	NA	Fixed Drybulb Economizer
RTU-2 West Offices	SZVAVHP	NA	DDC Controls Zones With CO2Sensor Vent. Control Fixed Drybulb Economizer Optimum Start
RTU-3 East Offices	SZVAVHP	NA	Zones With CO2Sensor Vent. Control Fixed Drybulb Economizer
RTU-1 West Gym	SZVAVHP	NA	Fixed Drybulb Economizer

Notes: This table includes controls related to the performance path only. For projects using the prescriptive path, mandatory and prescriptive controls requirements are documented on the NRCC-MCH-E.

H7. NONRESIDENTIAL VENTILATION

1	2	3	4	5	6	7
	Mechanical Ventilation					
Zone Name	Ventilation Function	# of people	Supply OA CFM	Exhaust CFM	Conditioned Area (sf)	DCV or Occupant Sensor Controls, or Both
1-East Gym	Sports/Entertainment - Gym, sports arena (play area)	36.40	1820	0	3640	NA
2-1st Flr Restrooms	Exhaust - Toilets, public Education - Computer lab Assembly - Lobbies General - Unoccupied Office - Occupiable storage rooms for dry materials	70.11	1068	1820	4165	DCV
3-Restrooms	Exhaust - Toilets, public Office - Office space General - Break rooms Assembly - Lobbies Education - Computer lab	32.47	697	500	1436	DCV
4-West Gym	Sports/Entertainment - Gym, sports arena (play area)	36.40	1820	0	3640	NA

H8. HIGH-RISE RESIDENTIAL DWELLING UNIT AND HOTEL/MOTEL VENTILATION

This Section Does Not Apply

Project Name:	Hollywood Rec Center	NRCC-PRF-01-E	Page 9 of 12
Project Address:	1122 Cole ave Los Angeles 90038	Calculation Date/Time:	17:29, Wed, Aug 16, 2023
Input File Name:	19014 - T24 Hollywood Rec EP8 vs 14 Perf.cibd19x		

H9. ZONAL SYSTEM AND TERMINAL UNIT SUMMARY

1	2	3	4	5	6	7	8	9	10	11	12	13
				Rated Capacity (kBtuh)		Airflow (cfm)			Fan			
System ID	Zone Name	System Type	Qty	Heating	Cooling	Design	Min.	Min. Ratio	Power	Power Units	Cycles	VSD
1-East Gym-Trm	1-East Gym	VAVNoReheatBox	1	NA	NA	6400	1820	0.28	5.030	bhp	NA	☐
2-1st Flr Restrooms-Trm	2-1st Flr Restrooms	VAVNoReheatBox	1	NA	NA	4800	730	0.15	2.830	bhp	NA	☐
3-Restrooms-Trm	3-Restrooms	VAVNoReheatBox	1	NA	NA	4000	428	0.11	2.160	bhp	NA	☐
4-West Gym-Trm	4-West Gym	VAVNoReheatBox	1	NA	NA	6400	1820	0.28	5.030	bhp	NA	☐

H10. EVAPORATIVE COOLER SUMMARY

This Section Does Not Apply

H11. HEAT RECOVERY SUMMARY

This Section Does Not Apply

BUREAU OF ENGINEERING
THIS PLAN APPROVED
OFFICIAL RECORD

LEHRER ARCHITECTS LA
A California Corporation
3142 Wilshire Avenue, Los Angeles, CA 90010-1426
ph 213.384.4747 fax 213.384.0256 www.lehrerla.com

SK ENGINEERS
621 East Washington Drive
Altadena, California 91001
818.794.1899 • FAX 818.794.1897

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NIKOLAS J. KOUNTOURIS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

CITY ENGINEER:
GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
DATE: Issue Date / Issue Date / Issue Date / Issue Date / Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: MECHANICAL TITLE 24

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. M1.01
SHEET 0 OF SHEETS

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Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

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SHEET ISSUE DATE: 12/19/22
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

Project Name:	Hollywood Rec Center	NRCC-PRF-01-E	Page 10 of 12
Project Address:	1122 Cole ave Los Angeles 90038	Calculation Date/Time:	17:29, Wed, Aug 16, 2023
Input File Name:	19014 - T24 Hollywood Rec EP8 vs 14 Perf.cibd19x		

L. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Installation must be submitted for the features to be recognized for compliance. These documents bust be retained and provided to the building inspector during construction and can be found online at: https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Building Component	Form/Title
Envelope	NRCI-ENV-01-E - Must be submitted for all buildings
Mechanical	NRCI-MCH-01-E - Must be submitted for all buildings

Project Name:	Hollywood Rec Center	NRCC-PRF-01-E	Page 11 of 12
Project Address:	1122 Cole ave Los Angeles 90038	Calculation Date/Time:	17:29, Wed, Aug 16, 2023
Input File Name:	19014 - T24 Hollywood Rec EP8 vs 14 Perf.cibd19x		

M. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections shall be made by Documentation Author to indicate which Certificates of Acceptance must be submitted for the features to be recognized for compliance. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit:https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Building Component	Form/Title
Envelope	NRCA-ENV-02-F - NRFC label verification for fenestration
Mechanical	NRCA-MCH-02-A Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap
	NRCA-MCH-05-A Air Economizer Controls
	NRCA-MCH-06-A Demand Control Ventilation Systems Acceptance must be submitted for all systems required to employ demand controlled ventilation (refer to §120.1(c)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints
	NRCA-MCH-07-A Supply Fan Variable Flow Controls
	NRCA-MCH-11-A Automatic Demand Shed Controls
	NRCA-MCH-12-A FDD for Packaged Direct Expansion Units
	NRCA-MCH-13-A Automatic FDD for Air Handling Units and Zone Terminal Units Acceptance
	NRCA-MCH-16-A Supply Air Temperature Reset Controls

Project Name:	Hollywood Rec Center	NRCC-PRF-01-E	Page 12 of 12
Project Address:	1122 Cole ave Los Angeles 90038	Calculation Date/Time:	17:29, Wed, Aug 16, 2023
Input File Name:	19014 - T24 Hollywood Rec EP8 vs 14 Perf.cibd19x		

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Johnson Chan	Signature:
Company: Alfa Tech	
Address: 421 E. Huntington Ave	Signature Date: 2023-08-16
City/State/Zip: Monrovia CA 91016	CEA/ HERS Certification Identification (if applicable):
Phone: 626.803.0145	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Envelope Designer Name: Michael Berryl	Signature:	
Company: LEHRER ARCHITECTS LA		
Address: 2140 Hyperion Ave.	Date Signed:	
City/State/Zip: Los Angeles Ca 90027		
Phone: (323)664-4747	Title:	License #: C12115
Responsible Lighting Designer Name: Penn Chan	Signature: NOT IN SCOPE	
Company: S&K Engineers		
Address: 521 E. Huntington Drive	Date Signed:	
City/State/Zip: Monrovia CA 91016		
Phone: (626) 930-1383	Title:	License #: E22794
Responsible Mechanical Designer Name: Nikolaos J. Kourassis	Signature:	
Company: S&K Engineers		
Address: 521 E. Huntington Drive	Date Signed: 08/16/2023	
City/State/Zip: Monrovia CA 91016		
Phone: (626) 930-1383	Title: Mechanical Engineer of Record	License #: M31713

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 12/19/22
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
2140 Hyperion Avenue, Los Angeles, CA 90027 ATA
ph 2136643747 fax 2136643704 lehrerarchitects.com

S&K ENGINEERS
421 East Huntington Drive
Monrovia, California 91016
818.354.8801 • www.skengineers.com

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CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
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INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NIKOLAOS J. KOURASSIS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: MECHANICAL TITLE 24

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. M1.02
SHEET OF SHEETS

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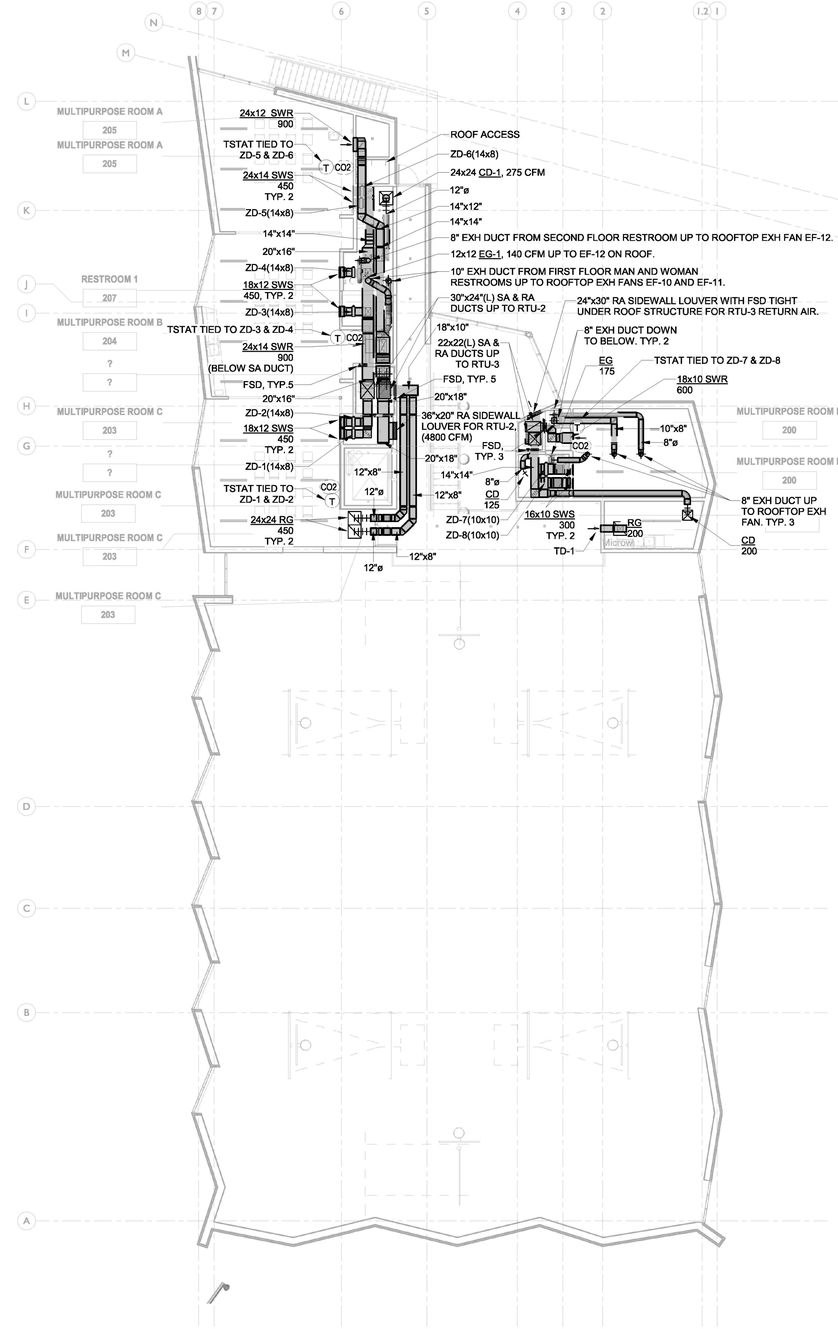
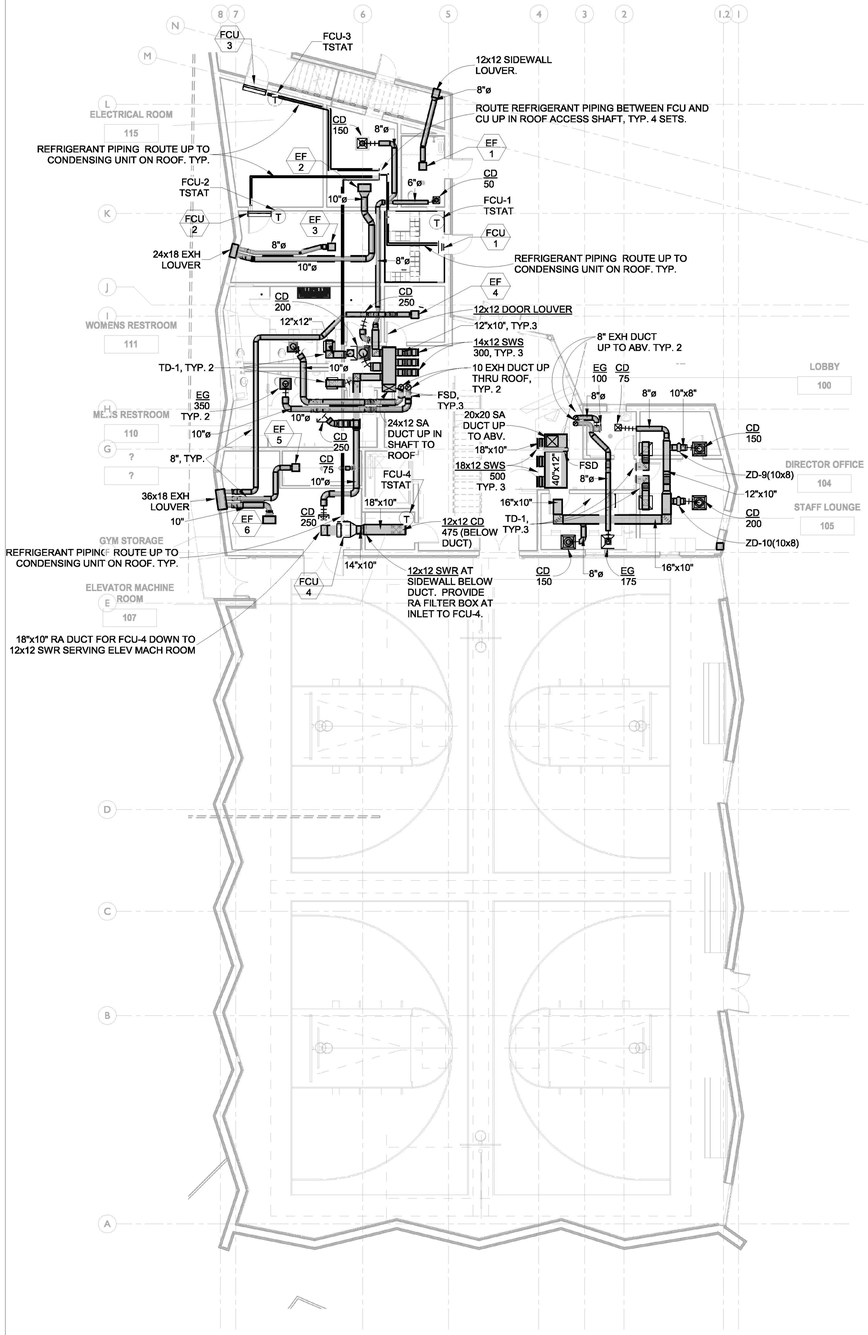


3/32" = 1'-0" MECHANICAL PLAN - LEVEL 2 2



3/32" = 1'-0" MECHANICAL PLAN - LEVEL 1 1

KEYNOTE LEGEND

1-HOUR WALL RATING.

GENERAL FLOOR PLAN NOTES

1) FOR CEILING MOUNTING EXHAUST FAN, SEE DETAIL 3/M6.01.
2) FOR WALL-MOUNTED FAN COIL UNIT, SEE DETAIL 4/M6.01.
3) FOR INLINE FAN COIL UNIT MOUNTING, SEE DETAIL 2/M6.02.
4) FOR DIFFUSER CONNECTION, SEE DETAIL 3/M6.02.
5) FOR TRANSFER DUCT MOUNTING, SEE DETAIL 4/M6.02.
6) FOR ATTACHMENT TO METAL DECK STRUCTURE, SEE DETAIL 1/M6.03.
7) ARCHITECT TO PROVIDE WALL LOUVERS WITH MINIMUM 50% FREE AREA WITH A 1/4" WIRE MESH SCREEN ON THE INTERIOR.
8) ALL VENTS AND LOUVERS TO BE PROTECTED WITH A 1/4" WIRE MESH SCREEN ON THE INTERIOR. OTHER VENTS AND LOUVERS TO BE PROTECTED AS NEEDED.
9) ALL CONTROLS FOR MECHNICAL SYSTEMS SHALL BE LOCATED IN DIRECTOR'S OFFICE.

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LEHRER ARCHITECTS LA
421 East Huntington Drive
Monrovia, California 91016
ph 6263574547 fax 6263574556
www.lehrerarchitects.com

SSK ENGINEERS
421 East Huntington Drive
Monrovia, California 91016
ph 6263574547 fax 6263574556

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NIKOLOS J. KOUKOS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

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CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
DATE:

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Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: MECHANICAL PLANS - LEVEL 1 & 2

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
M2.01
SHEET NO OF SHEETS

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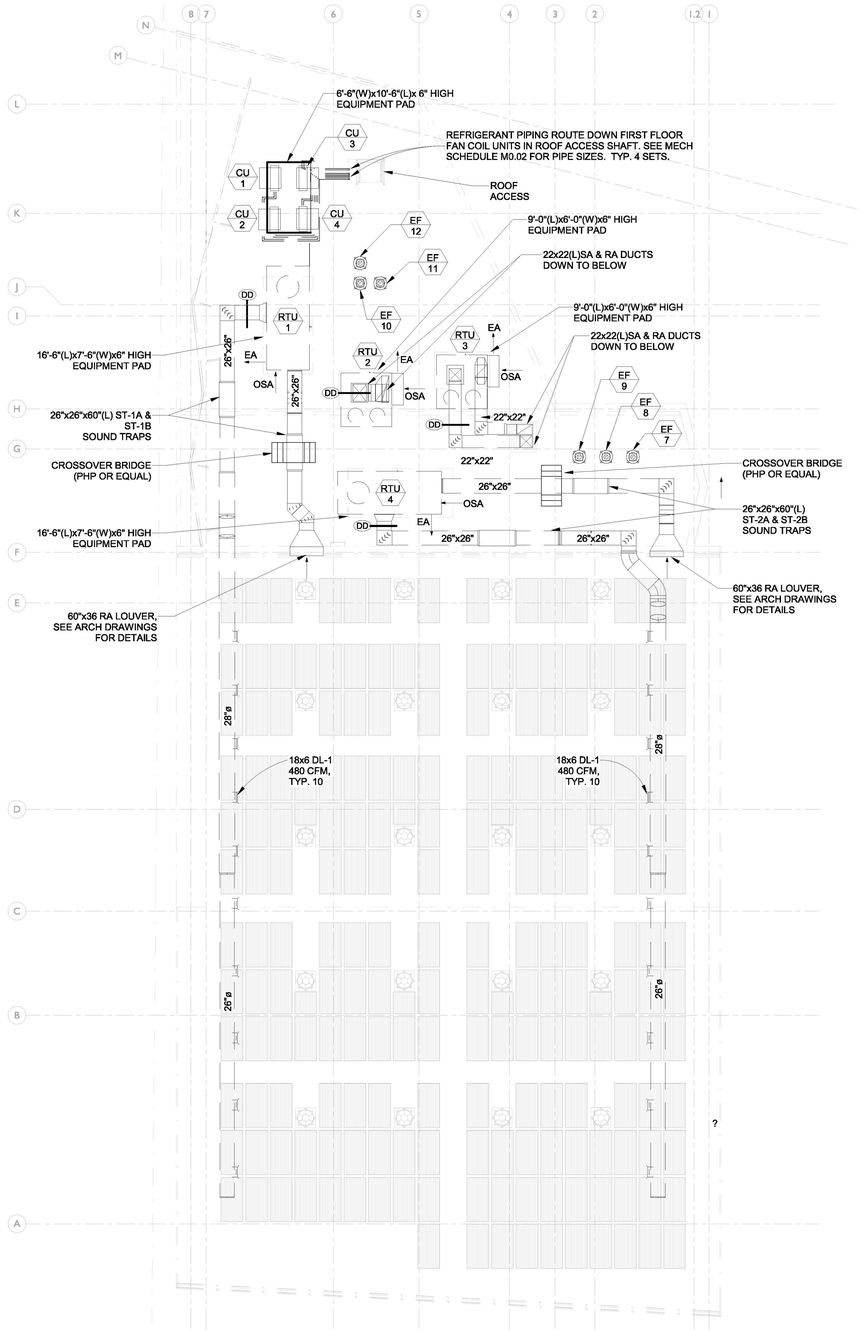

KEYNOTE LEGEND

GENERAL MECH ROOF NOTES

1) FOR RTU MOUNTING, SEE DETAIL 1/M6.02.
2) FOR RTU CURB, SEE DETAIL 3/M6.03.
3) FOR SMOKE DETECTOR MOUNTING, SEE DETAIL 2/M6.03.
4) FOR VRF OUTDOOR UNIT MOUNTING, SEE DETAIL 6/M6.01.
5) FOR ROOFTOP EXHAUST FAN MOUNTING, SEE DETAIL 5/M6.01.
6) FOR DUCT THRU ROOF ROOF PENETRATION, SEE DETAIL 2/M6.01.
7) FOR REFRIGERANT PIPE THRU ROOF FRAMED OPENING, SEE DETAIL 1/M6.01.
8) ALL DUCTS ON ROOF TO BE DOUBLE WALL LINED WITH 2" INSULATION.
9) EXTERIOR DUCTS TO BE TESTED FOR LEAKS AND TO BE WARRANTED AT LEAST 5 YEARS.

3/32" = 1'-0" MECHANICAL PLAN - ROOF

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REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
A California Corporation
3140 Mandeville Canyon, Los Angeles, CA. 90049-1039
ph 310.664.0747 fax 310.664.0336 lehrerarchitects.com

SK STRUCTURE
421 East Huntington Drive
Monrovia, California 91016
818.445.8885 F 626.821.8885

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CITY OF LOS ANGELES

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STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Issue Date
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CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: MECHANICAL PLAN - ROOF

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

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CITY OF LOS ANGELES
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Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. M2.02
SHEET OF SHEETS

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price

Submittal Sheet

POWER REQUIREMENTS:
• 24VAC, 47–63 Hz, 10VA (NOT INCLUDING OUTPUT LOADING)
OPERATION AND STORAGE SPECIFICATIONS:
• OPERATING: 10 DEG C TO 50 DEG C (50 DEG F TO 122 DEG C), 0–95% RH (NON–CONDENSING)
• STORAGE –30 DEG C TO 50 DEG C (–22 DEG F TO 122 DEG C), 0–95% RH (NON–CONDENSING)
INPUTS:
[12] ANALOG INPUTS:
• [6] 0–10 VDC INPUT, 20kOHM INPUT IMPEDANCE
• [6] THERMISTOR SENSOR, TYPE J 10kOHM THERMISTOR
[2] BINARY INPUTS (DRY CONTACT CLOSURE)
THERMOSTAT CONNECTION:
[1] THERMOSTAT INPUT, TYPE J 10kOHM TEMPERATURE SENSOR (RJ45 CONNECTION)
CIRCUIT PROTECTION
[1] 10A FUSE MINI (NOTE: REPLACE WITH 10A MINI–BLADE AUTO FUSE)
OUTPUTS:
[4] ANALOG OUTPUTS, MAX 10mA EACH, CONFIGURABLE:
• [FAN, HEAT, COOL, AUXILARY]
[10] BINARY OUTPUTS, MAX 0.5 AMPS EACH, CONFIGURABLE, EXTERNAL POWER MUST BE 24VAC MAX
• [FAN, HEAT 1, HEAT 2, HEAT 3, HEAT 4, COOL 1, COOL 2, COOL 3, COOL 4, HEAT ENABLE, COOL ENABLE]
COMMUNICATION PORTS:
• BACNET MS/TP MODULE WIITH RJ45 JACK AND 3–POSITION TERMINAL BLOCK (COMMUNICATION SPEEDS: 9600, 19200, 38400, 76800 (DEFAULT))
MODES/STRATEGIES
[1] STAND ALONE MODE
• NO BACNET/ZONE POLLING
[3] NETWORKED MODE (UP TO 30 ZONES (PRICE INTELLEGENT CONTROLLER (PIC), PIC–SD, AND/OR PRODIGY SMART DIFFUSERS)
• AVERAGE POLLING (DEFAULT) – THE RTU WILL BE CONTROLLED USING ROOM TEMPERATURE AND SETPOINT OF EACH ZONE AND THE MAJORITY DEMAND WINS.
EXAMPLE: COOLING – 50%, HEAT 40%, NEUTRAL 10% = COOLING WINS
• NON MAJORITY POLLING – THE RTU WILL FAVOUR ONE OF 3 MODES AT SET MAJORITY DEMAND (%)
• COOLING, HEATING, OR DEADBAND
• SEASONAL: PRTU CAN BE SET TO SWITCH STRATEGIES AUTOMATICALLY ON SEASON CHANGE VIA THE REAL TIME CLOCK AND CALENDAR
• SUMMER: FAVOUR COOLING
• WINTER: FAVOUR HEATING
• SPRING/FALL: AVERAGE POLLING
[1] ON DEMAND (FOR UNIQUE SCENARIOS)
• WILL ENABLE EITHER COOLING OR HEATING IF ANY ZONE IS OUT BY 1%
SIZE AND WEIGHT
8.25" x 3.55" x 2.25" (LxWxH) AT 0.8 LBS (400G)
WEB SERVER BACNET POINTS:
73 NODES/POINTS

ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:	price	
ENGINEER:	BC SF	**CONTROLS** PRICE ROOFTOP UNIT CONTROLLER PRTU 250000–900
CUSTOMER:	258516	
SUBMITTAL DATE:	**SPEC. SYMBOL:** 2020/03/06	

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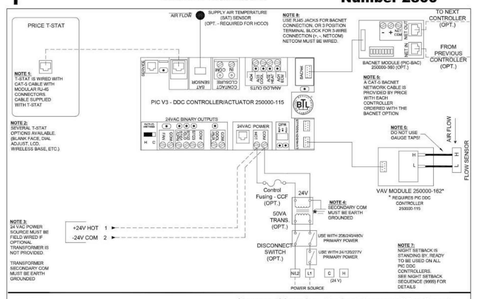
SHEET 2 OF 2 REV E

6" = 1'-0" Controls - Controller page 2 **2**

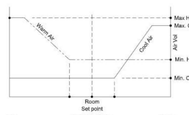
price

SINGLE DUCT DIGITAL CONTROLS — Control Sequence Number 2800



LEGEND
FACTORY FLOW SENSOR TUBING
FACTORY ELECTRICAL WIRING
FIELD ELECTRICAL WIRING

CONTROL GRAPH



Sequence of Operation – Heat/cool changeover OR cooling only Pressure Independent
On power up the damper will calibrate closed for 2 minutes.
****If no SAT sensor is present, the controller assumes Cool supply air at all times****
Cool supply air: On an increase in space temperature the controller regulates the actuator to open the VAV damper and increase the flow of cool air. On an increase of space temperature greater than the cooling proportional band, the airflow is maintained at its pre-selected maximum setting.
On a decrease in space temperature the controller regulates the actuator to close the VAV damper and reduce the flow of cool air. If the space temperature decreases to less than the cooling proportional band, the airflow is maintained at the pre-selected minimum setting.
Warm supply air: On a decrease in space temperature the controller regulates the actuator to open the VAV damper and increase the flow of warm air. On a decrease of space temperature greater than the heating proportional band, the airflow is maintained at its pre-selected maximum setting.
On an increase in space temperature the controller regulates the actuator to close the VAV damper and reduce the flow of warm air. If the space temperature increases above the heating proportional band, the airflow is maintained at the pre-selected minimum setting.

PROJECT:	price	
ENGINEER:	BC MB	**SINGLE DUCT PIC DDC** PRESSURE INDEPENDENT HEAT/COOL CHANGEOVER OR COOLING ONLY NO LOCAL REHEAT CONTROL
CUSTOMER:	249530	
SUBMITTAL DATE:	**SPEC. SYMBOL:** 2017/06/21	

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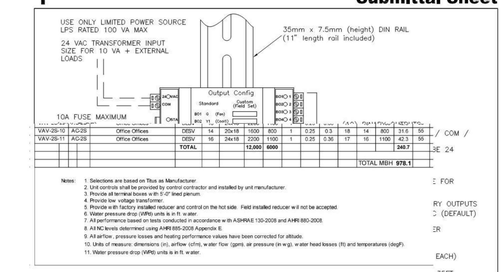
REV G

6" = 1'-0" Controls - Zone Damper Sequence **3**

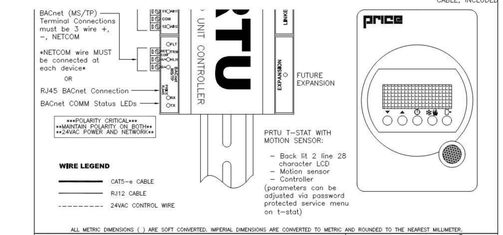
price

Submittal Sheet



VAV-2S-11	AC-2S	Office Offices	DESV	14	20x18	1100	800	1	0.25	0.36	17	16	1100	42.1
			TOTAL			12,000	6000							340.7
													TOTAL MBH	978.1

Notes:
1. Selections are based on Titus as Manufacturer.
2. Unit controls shall be provided by control contractor and installed by unit manufacturer.
3. Unit comes standard with 1.5" lined plenum.
4. Provide low voltage transformer.
5. Provide with factory installed reducer and control on the hot side. Field installed reducer will not be accepted.
6. Water pressure drop (WPD) units is in ft. w ater.
7. All performance based on tests conducted in accordance w ith ASHRAE 130-2008 and AHRI 880-2008.
8. All NC levels determined using AHRI 885-2008 Appendix E.
9. All airflow, pressure losses and heating performance values have been corrected for altitude.
10. Units of measure: dimensions (in), airflow (cfm), w ater flow (gpm, air pressure (in w.g), w ater head losses (ft) and temperatures (degF).
11. Water pressure drop (WPD) units is in ft. w ater.



ALL METRIC DIMENSIONS ( ) ARE SOFT CONVERTED. IMPERIAL DIMENSIONS ARE CONVERTED TO METRIC AND ROUNDED TO THE NEAREST MILLIMETER.

PROJECT:	price	
ENGINEER:	BC SF	**CONTROLS** PRICE ROOFTOP UNIT CONTROLLER PRTU 250000–900
CUSTOMER:	258516	
SUBMITTAL DATE:	**SPEC. SYMBOL:** 2020/03/06	

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SHEET 1 OF 2 REV E

6" = 1'-0" Controls - Controller page 1 **1**

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LEHRER ARCHITECTS LA
3142 Wilshire Avenue, Los Angeles, CA 90010-1426
ph 213.384.4747 fax 213.384.5256 lehrerarchitects.com
SK STRUCTURES
421 East Hardwick Drive, Gateway California 91311
ph 818.349.8811 F 818.349.8822

ENGINEERING
CITY OF LOS ANGELES

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NO.	DATE	REVISION DESCRIPTION	BY
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BUILDING NO. -

INDEX NO. **RP-300126**

REGISTERED PROFESSIONAL ENGINEER
NIKOLAS J. KOUKOUTSIS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

PUBLIC WORKS
CITY OF LOS ANGELES

DEPARTMENT OF
GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: MECHANICAL CONTROLS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. M5.01
SHEET 0 OF SHEETS

Project Status
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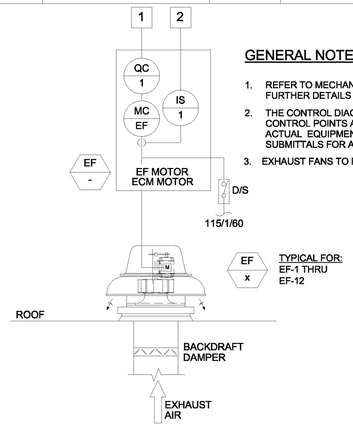
REVISION DATES (DESIGN STAGE ONLY)

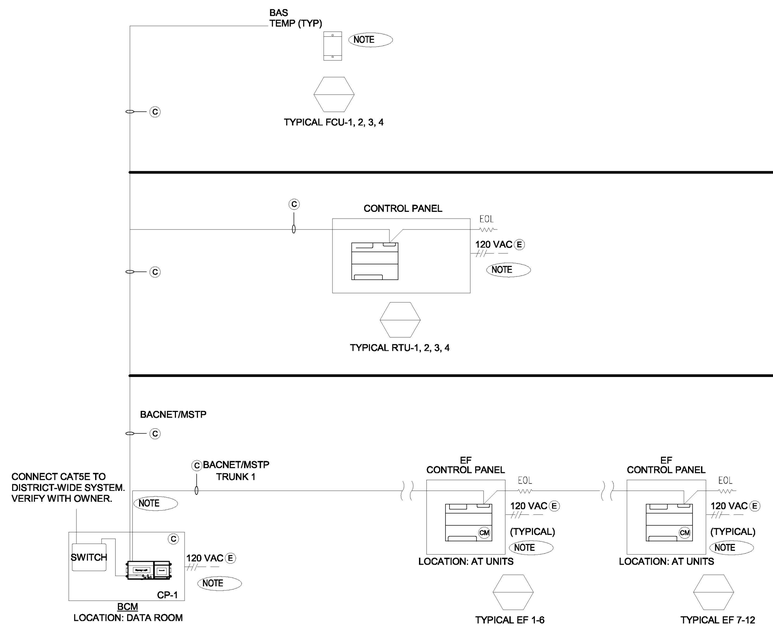
BMS POINTS SUMMARY TABLE FOR EXHAUST FANS			
POINT ID	POINT DESCRIPTION	BMS TYPE(S)	ADDITIONAL PARAMETERS
1	EF START/STOP	AO	WITH ECM MOTOR (0-10VDC)
2	EF RUN STATUS	BI	
3	EF START/STOP	BO	
4	EF RUN STATUS	BI	



GENERAL NOTES

1. REFER TO MECHANICAL EQUIPMENT SCHEDULES FOR FURTHER DETAILS AND EQUIPMENT QUANTITIES.
2. THE CONTROL DIAGRAM IS USED TO SHOW THE CONTROL POINTS AND SHALL NOT BE USED FOR ACTUAL EQUIPMENT LAYOUT. REFER TO MECHANICAL SUBMITTALS FOR ACTUAL EQUIPMENT CONFIGURATION.
3. EXHAUST FANS TO RUN CONTINUOUSLY WITH BMS ACTIVATION.

EXHAUST FAN CONTROL DIAGRAM — SCALE NONE — 4



CONTROL SYSTEM OVERALL VIEW

GENERAL NOTES:

1. EQUIPMENT TO BE ORDERED TO HAVE COMMUNICATION CARD TO ALL BAC-NET INTERFACE. CONTROLS SHALL BE THE SAME BRAND AS MOST MAJOR EQUIPMENT FOR COMPATIBILITY.
2. CONTROL SYSTEM TO HAVE LOCAL ACCESS OR WORKSTATION AND REMOTE ACCESS ON MONITORING VIA ITA NETWORK OR WIRELESS SCADA.

COMMUNICATION RISER

COMMNUICATION NOTES:

1. ALL 120VAC POWER PROVIDED BY DIV26 ELECTRICAL.
2. RUN NEW BACNET MSTP CABLE BASED ON FIELD DETERMINED BEST DAISY-CHAIN RUN.

LEGEND:

E = PROVIDED BY ELECTRICAL CONTRACTOR
M = PROVIDED BY MECHANICAL CONTRACTOR
C = PROVIDED BY CONTROLS CONTRACTOR
CM= FURNISHED BY CONTROLS CONTRACTOR /INSTALLED BY MECH. CONTRACTOR
LOW VOLTAGE DC WIRING
LINE VOLTAGE AC WIRING

CONTROLS SYSTEM ARCHITECTURE — SCALE NONE — 2

SPLIT SYSTEM WIRING AND CONTROL — SCALE NONE — 3

SEQUENCE OF OPERATIONS

ALL HVAC UNITS
AC units are controlled by DDC CONTROLS. Occupancy is determined by schedule in the EMS user interface with a local override on space sensor for four hours (adjustable).

Cooling Mode
The following conditions must be true
OAT > Cooling Lockout Temperature
Supply Fan on for at least 30 seconds
Heat mode not active and time guard between modes expired
(If the Economizer is available) open > 85%
SAT > Minimum Cooling SAT + 5F
((Space Temperature > Effective Cooling Setpoint) + .5F))
The unitary controller will enter a cooling mode. The cooling relays are controlled by the Cooling PID Loop and Cooling Stages Capacity algorithm. They calculate the desired number of stages needed to satisfy the space by comparing the Space Temperature to the Effective Occupied Cooling Setpoint when occupied or the Effective Unoccupied Cooling Setpoint when unoccupied.

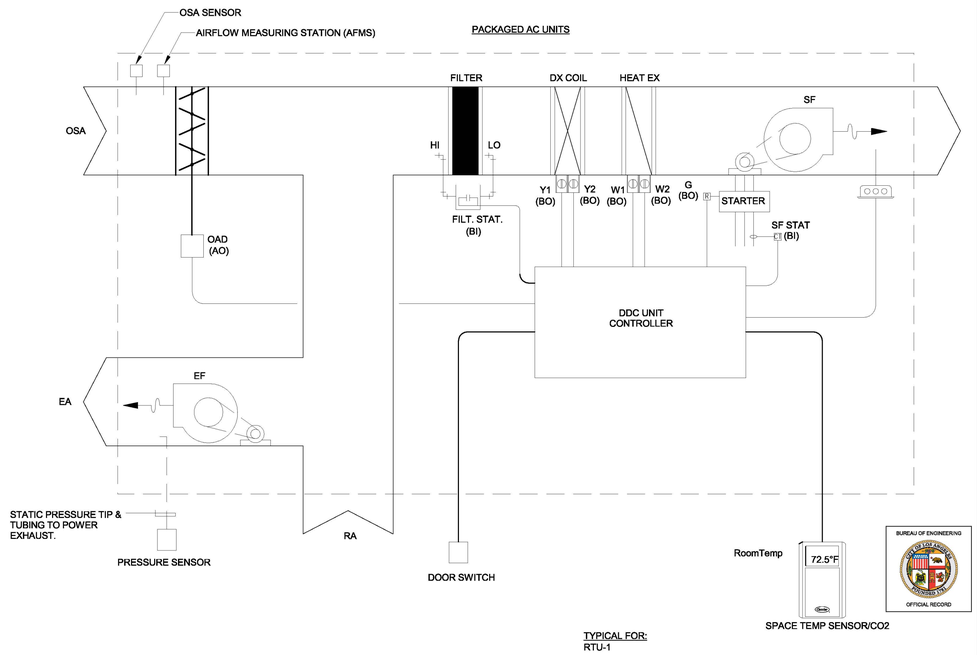
Heating Mode
The following conditions must be true:
OAT < Heating Lockout Temperature
Supply Fan on for at least 30 seconds
Cool mode not active nor economizer and time guard between modes expired
Space Temperature < Effective Heating Setpoint
The unitary controller will enter a heating mode. The heating relays are controlled by the Heating PID Loop and Heating Stages Capacity algorithm. They calculate the desired number of stages needed to satisfy the space by comparing the Space Temperature to the Effective Occupied Heating Setpoint when occupied or the Effective Unoccupied Heating Setpoint when unoccupied.

Fan Mode
The supply fan will run continuously during occupied periods. The supply fan will run to maintain constant pressure in the supply duct to feed zone dampers by modulating its VFD. See sheets M0.03 and M-5.01 for zone dampers/RTU and sequence of operations.

Economizer
The following conditions must be true:
OAT < Space Temperature
OAT < Economizer High OAT Lockout Temp Setpoint
Differential Enthalpy Status is Low
Supply Fan on for at least 30 seconds
If any of the preceding conditions are not true, the economizer will be sent to the Vent Damper Position or DCV Position based on space CO2 level compared to the CO2 setpoint (adjustable).
The economizer PID loop will modulate the damper from the Vent Damper Position / DCV Minimum Position.
The economizer moves to the Vent Damper Position / DCV Minimum Pos setpoint if the SAT falls below the Minimum Cooling SAT (+5F)

Airflow Measuring Station (AFMS)
AFMS will maintain constant ventilation rate as the AC unit VFD speeds up or slows down to meet space heating and cooling demands.

Power Exhaust Fan
The room pressure sensor will start the exhaust fan if the pressure exceeds the room pressure setpoint (as determined by Air Balancer) or if the outside air damper is fully open.



CONTROL DIAGRAM AND SEQUENCE OF OPERATIONS FOR FOR RTU-1, RTU-2, RTU-3 & RTU-4 — SCALE NONE — 1

LEHRER ARCHITECTS LA
421 Fan Hollegate Drive
Beverly Hills, California 90211
310.838.8800 Fax 310.838.8806
2140 Pacific Avenue, Los Angeles, CA 90007-4705
ph 213.624.2747 fax 213.624.2756 www.lehrerarchitects.com

SK ENGINEERS
421 Fan Hollegate Drive
Beverly Hills, California 90211
310.838.8800 Fax 310.838.8806

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INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NIKOLOS J. KOUNTOURIS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: MECHANICAL CONTROLS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
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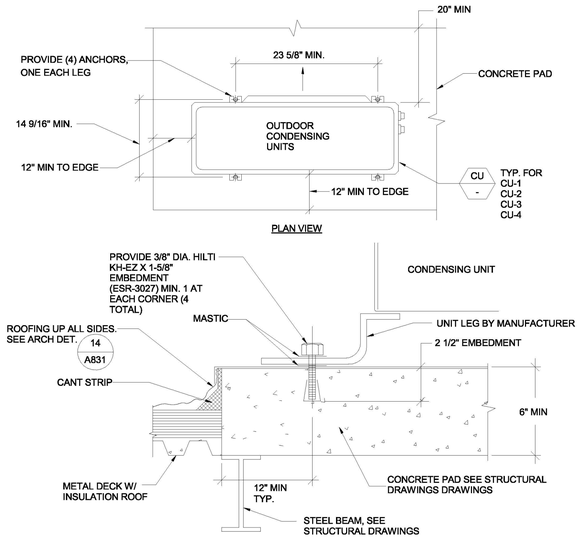
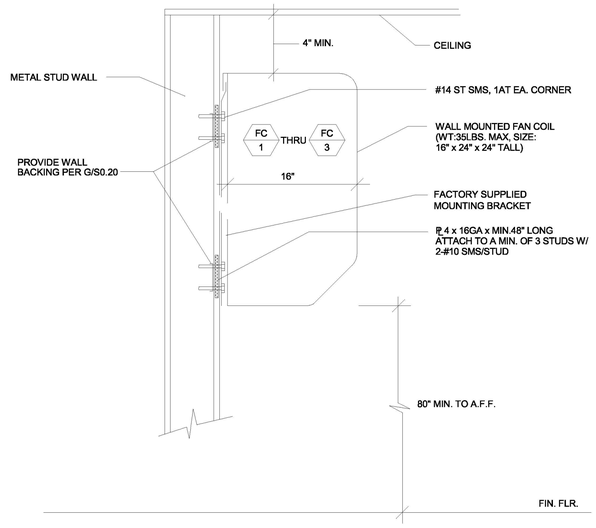


VRF SYSTEM OUTDOOR UNIT MOUNTING DETAIL

SCALE NONE | 6

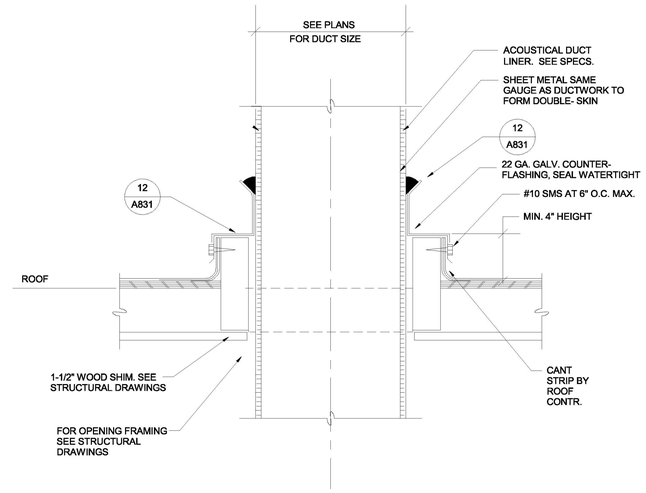


NOTES:

MOUNT HIGH ON WALL AS SHOWN ON PLANS. SECURE TO WALL STRUCTURE USING FACTORY PROVIDED BRACKET & TEMPLATE WITH SCREWS PER MANUFACTURER'S INSTRUCTIONS

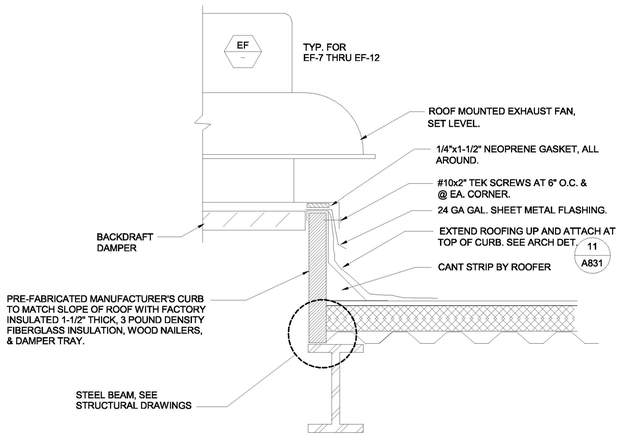
INDOOR WALL-MOUNTED FAN COIL DETAIL

SCALE NONE | 4



DUCT PENETRATION THROUGH ROOF DETAIL

SCALE NONE | 2

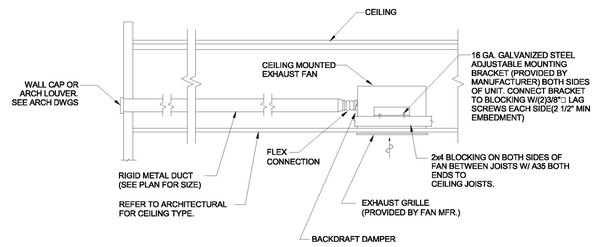


NOTES:

1. TYPICAL FOR GRAVITY RELIEF/INTAKE & COMBUSTION AIR VENTILATORS.
2. SEE ARCHITECTURAL DETAILS FOR ADDITIONAL ROOF REQUIREMENTS.
3. SEE STRUCTURAL SUBMITTAL PACKAGE FOR CALCULATIONS.

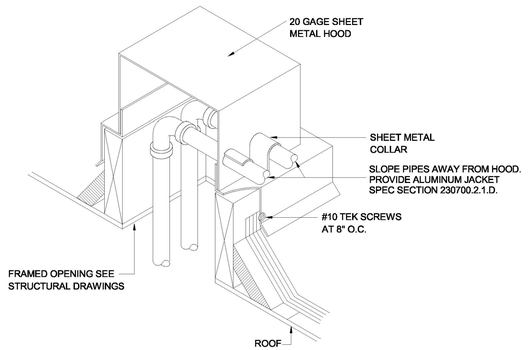
ROOF MOUNTED EXHAUST FAN SUPPORT DETAIL

SCALE NONE | 5



CEILING MOUNTED EXHAUST FAN DETAIL

SCALE NONE | 3



REFRIGERANT PIPE THRU ROOF FRAMED OPENING

SCALE NONE | 1

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LEHRER ARCHITECTS LA
431 East Huntington Drive, Suite 201, Arcadia, CA 91006
626.821.1000 fax 626.821.1001 www.lehrerla.com

SK&A STRUCTURAL ENGINEERS
431 East Huntington Drive Arcadia California 91006
626.445.4545 fax 626.445.4546

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REGISTERED PROFESSIONAL ENGINEER NIKOLOS J. KOUNTOURIS No. M31713 Exp. 6/30/2025 MECHANICAL STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:
Issue Date
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GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: MECHANICAL DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. M6.01

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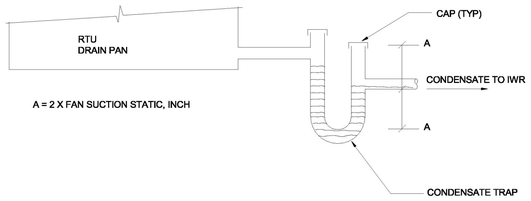
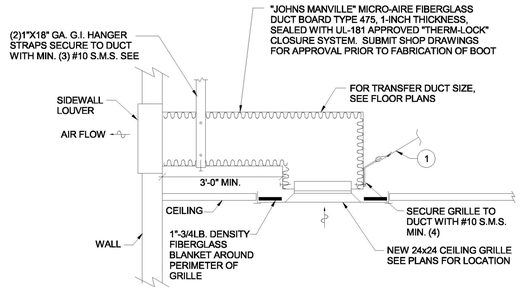


CONDENSATE DRAIN TRAP PIPING DETAIL

SCALE NONE | 6

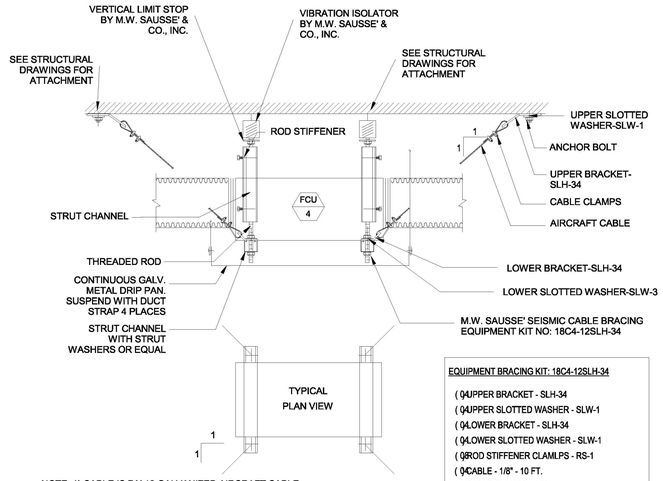


DETAIL NOTES:

1. 1"x2" L. 16 GA. CLIP WITH 12 GA. SEISMIC RESTRAINT WIRE. MINIMUM TWO (2) EACH RETURN AIR BOOT.
2. RETURN AIR BOOT DUCT SIZES SHALL NOT BE LESS THAN DUCT SIZES INDICATED ON THE DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE MECHANICAL ENGINEER.

TRANSFER GRILLE MOUNTING DETAIL

SCALE NONE | 4



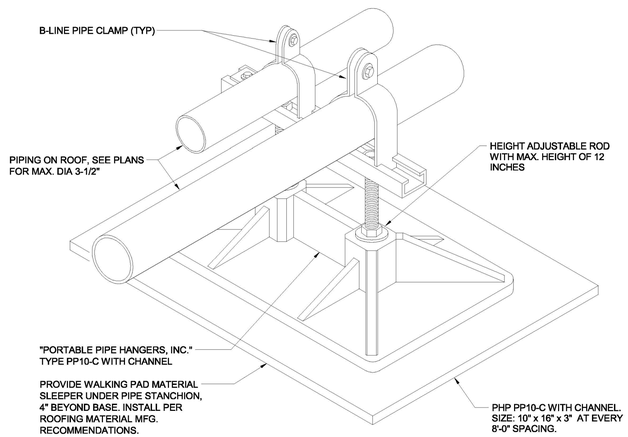
EQUIPMENT BRACING KIT: 18C4-12SLH-34

(04)UPPER BRACKET - SLH-34
(04)UPPER SLOTTED WASHER - SLW-1
(04)LOWER BRACKET - SLH-34
(04)LOWER SLOTTED WASHER - SLW-1
(08)ROD STIFFENER CLAMLPS - RS-1
(04)CABLE - 1/8" - 10 FT.
(16)CABLE CLAMPS - 1/8"

NOTE: 1) CABLE IS 7 X 19 GALVANIZED AIRCRAFT CABLE.
2) CABLES TO BE INSTALLED HAND TAUT W/O SLACK.

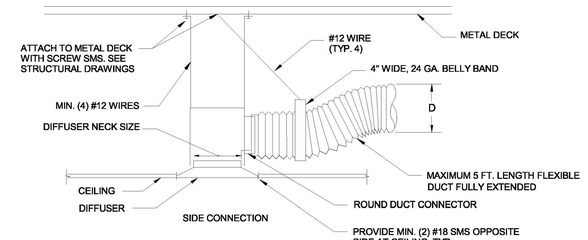
INLINE FAN COIL UNIT MOUNTING DETAIL

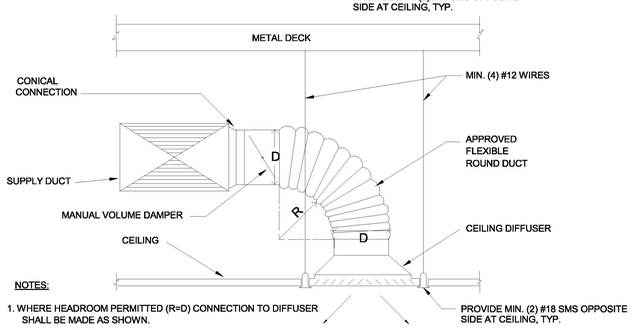
SCALE NONE | 2



REFRIGERANT PIPE SUPPORT ON ROOF

SCALE NONE | 5





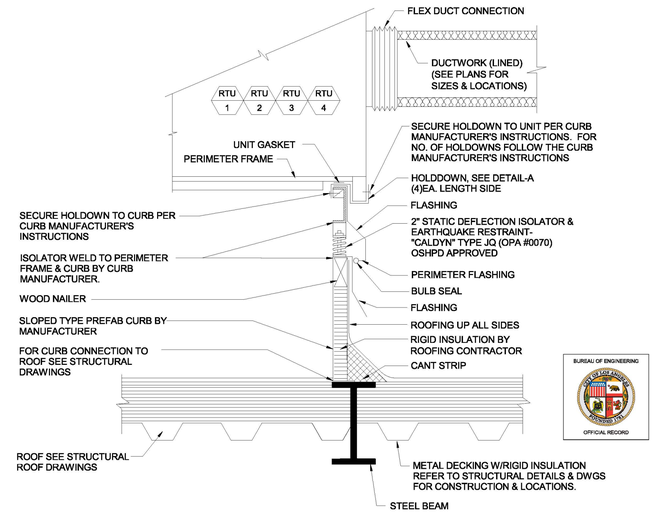
NOTES:

1. WHERE HEADROOM PERMITTED (R=D) CONNECTION TO DIFFUSER SHALL BE MADE AS SHOWN.
2. FLEXIBLE DUCTS 5'-0" MAXIMUM IN LENGTH.

DIFFUSER CONNECTION DETAIL

SCALE NONE | 3

TAG #	MANUF	MODEL #	2" VIBRATION ISOLATOR CURB MODEL #	WEIGHT
RTU-1	DAIKIN	DPS020A-SIDE	THYBAR DPS16-28A	659
RTU-2	DAIKIN	DPS020A-SIDE	THYBAR DPS16-28A	659
RTU-3	DAIKIN	DPS012A	MCQUAY 910114173	360
RTU-4	DAIKIN	DPS016A-SIDE	THYBAR DPS16-28A	659



DETAIL NOTES:

1. SEE 2/M6.02 FOR CURB MOUNTING DETAIL.

RTU MOUNTING DETAIL WITH VIBRATION ISOLATORS

SCALE NONE | 1

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A Professional Corporation
3142 Wilshire Avenue, Los Angeles, CA 90007-4705
ph 213.384.4747 fax 213.384.5256 www.lehrerlosangeles.com

SSK ENGINEERS
621 East Huntington Drive, Suite 202
Monrovia, California 91016
ph 626.599.8811 fax 626.599.8890

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CITY OF LOS ANGELES

CITY ENGINEER

DATE:	
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Issue	
Date	
Issue	
Date	
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Date	

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: MECHANICAL DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. M6.02
SHEET O F SHEETS

BUREAU OF ENGINEERING OFFICIAL RECORD

TTLB TEMPLATE REVISION DATE: 06/30/2016
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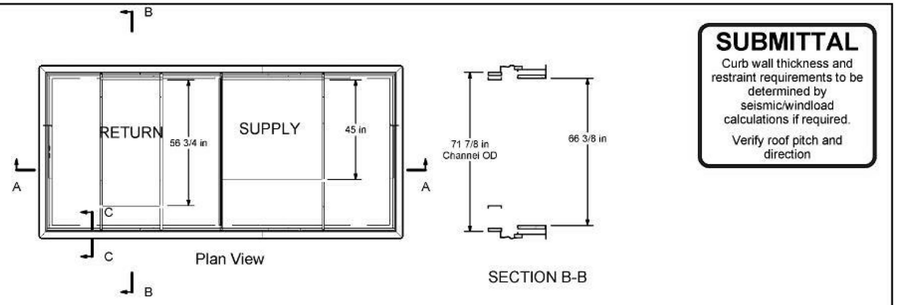
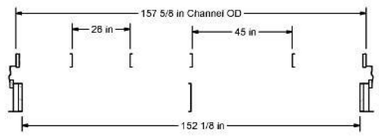
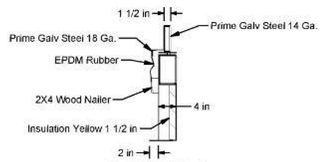


SUBMITTAL

Curb wall thickness and restraint requirements to be determined by seismic/windload calculations if required.

Verify roof pitch and direction





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(DO NOT SCALE DRAWING) Unless otherwise specified dimensions are in inches tolerances are ± 1/16 ± 0.0625 ± 1°

Vibrocurb III Insulated Top Duct Supports
Daikin DPS16-28A

Curb Weight 659 lbs.
Total Weight 659 lbs.

Qty.: | Job # :
Tag:
Drawn: nbennett
Date: 6/1/2017
File: VIDS2DK0466326FL000N0 | Rev. K

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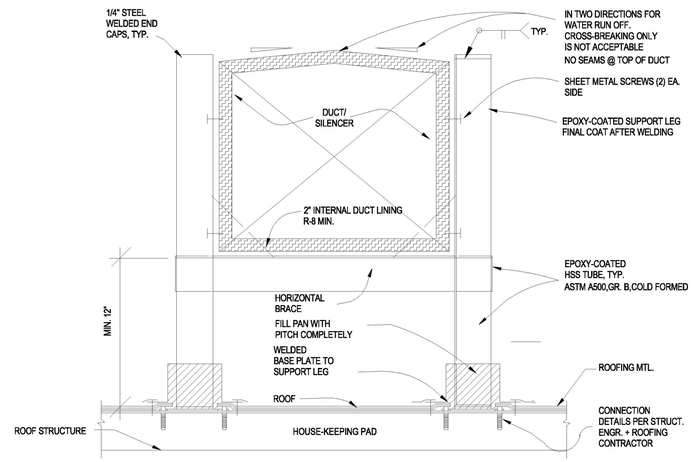
Thybar makes it right the first time, every time

RTU CURB MOUNTING DETAIL

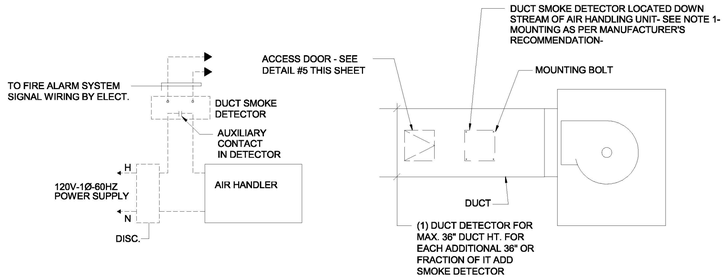
SCALE NONE | 4



NOTES:
1. PROVIDE DUCT SUPPORT ON ROOF AT 8'-0" O.C INTERVAL.

DUCT / SOUND SILENCER SUPPORT ON ROOF DETAIL

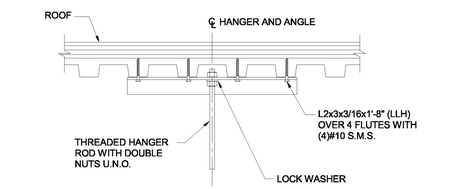
SCALE NONE | 3



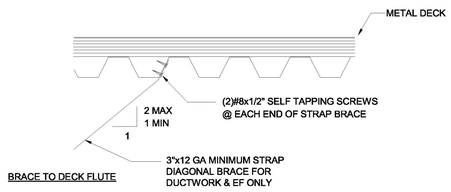
NOTES:
1. DUCT SMOKE DETECTORS SUPPLIED BY ELECT. CONTRACTOR. SEE ELECT. DRAWINGS FOR ADDITIONAL INFORMATION. DUCT SMOKE DETECTOR INSTALLED BY MECH. AND WIRED BY ELECT. CONTRACTOR
2. DUCT SMOKE DETECTOR TYPE TO BE SELECTED BASED ON AIR VELOCITY IN DUCT. VERIFY WITH MANUFACTURER.

SMOKE DETECTOR MOUNTING DETAIL

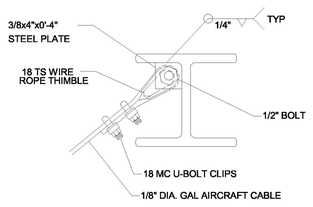
SCALE NONE | 2

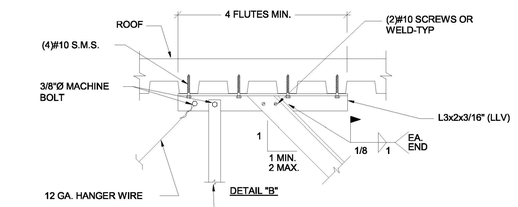


HANGER ROD ATTACHMENT

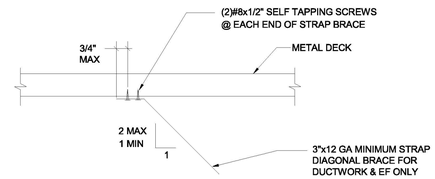


BRACE TO DECK FLUTE





ATTACHMENT PERPENDICULAR TO DECK



BRACE PARALLEL TO DECK FLUTE

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ATTACHMENT TO METAL DECK DETAIL

SCALE NONE | 1

LEHRER ARCHITECTS LA
421 East Huntington Drive Monrovia California 91016
626.599.8811 Fax 626.599.8890
2140 Pontius Avenue Los Angeles, CA 90025-4705
ph 213.444.4747 fax 213.444.4756 www.lehrerla.com

SSK ENGINEERS
421 East Huntington Drive Monrovia California 91016
626.599.8811 Fax 626.599.8890

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER NIKOLAS J. KOUNKEL No. M31713 Exp. 6/30/2025 MECHANICAL STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP
DATE:
LIC. NO.: C12115
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA
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GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: MECHANICAL DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
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DRAWING NO. M6.03
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SHEET ISSUE DATE: 08/24/22
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REVISION DATES (DESIGN STAGE ONLY)

NOT USED

SCALE NONE 5

NOT USED

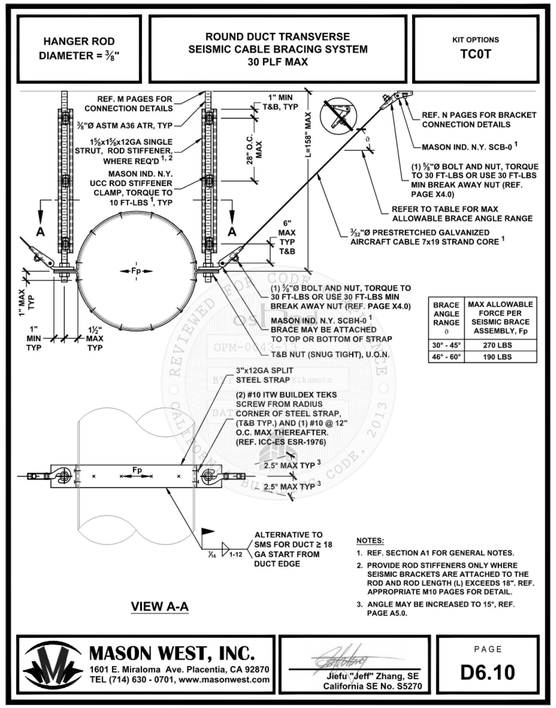
SCALE NONE 4

NOT USED

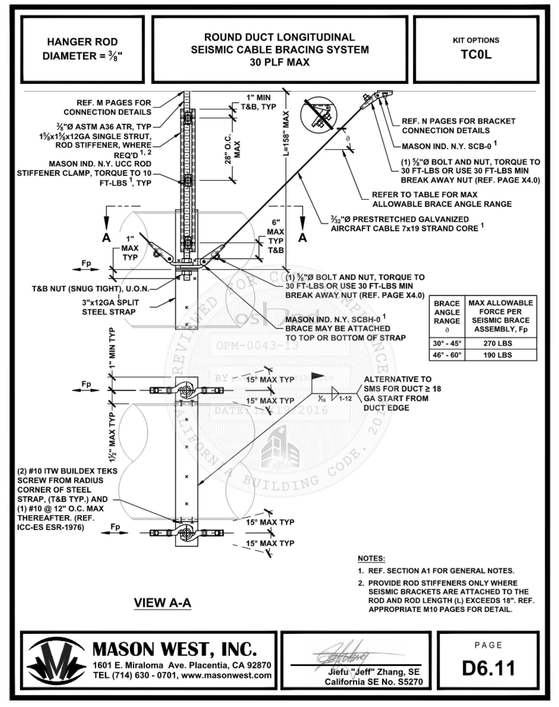
SCALE NONE 3

DUCT SUPPORT TO STRUCTURE AT GYMNASIUM FOR RTU-1 & RTU-4

SCALE NONE 2



12/19/2016 OPM-0043-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 293 of 673



12/19/2016 OPM-0043-13: Reviewed for Code Compliance by Jeffrey Kikumoto Page 294 of 673

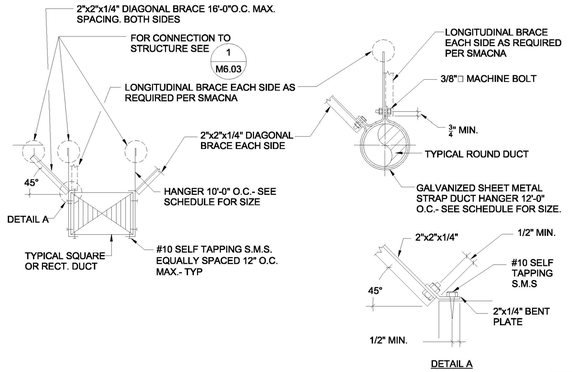
1. COMPLY WITH MASON WEST OPM-0043-13 AND ALL ASSOCIATED REFERENCE DETAILS FOR ROUND DUCT CONNECTION TO STRUCTURE.

NOT USED

SCALE NONE 1

DUCT SUPPORT TO STRUCTURE ABOVE FOR RTU-2 & RTU-3

SCALE NONE 1



RECTANGULAR DUCT			ROUND DUCT		
MAX. OF DUCT PERIMETER/IN.	STRAP	MAX. LOAD EACH HANGER/LBS.	DIAMETER /INCHES	STRAP	MAX. LOAD EACH HANGER/LBS.
P/2 =72	1"X 18 GA.	420	UP TO 18"	1"X 18 GA.	260
P/2 =96	1"X 16 GA.	700	19" TO 36"	1"X 36 GA.	320

NOTE:

1. NO BRACING REQUIRED IF DUCT IS SUSPENDED 12 INCHES OR LESS IN LENGTH.
2. FOR TRANSVERSE AND LONGITUDINAL BRACING FOLLOW "SMACNA" GUIDELINES FOR SEISMIC HAZARD LEVEL "A".
3. DIAGONAL SEISMIC BRACE & LONGITUDINAL BRACE PER MASON WEST OPM-0043-13 IF DUCT CROSS SECTIONAL AREA IS ≥ (EQUAL TO OR GREATER THAN) 6.0 SQ.FT.
4. SEE MEP COMPONENT ANCHORAGE NOTES ON SHEET M001.

BUREAU OF ENGINEERING — OFFICIAL RECORD

LEHRER ARCHITECTS LA
421 East Hardwick Street
Gardena, California 90247
310.324.4545 Fax 310.324.3244
2140 Pacific Avenue, San Pedro, CA 90731
ph 213.644.2427 fax 310.644.3244 www.lehrerarchitects.com
SK STRUCTURES
421 East Hardwick Street
Gardena, California 90247
ph 310.324.4545 Fax 310.324.3244

ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NIKOLAS J. KOUNTOURIS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
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ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

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PLUMBING GENERAL NOTES

1	PRIOR TO THE BID THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, ELEVATIONS, POINTS OF CONNECTIONS AND CHARACTERISTICS OF ALL UTILITY PIPING AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
2	EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM THE ARCHITECTURAL DRAWINGS.
3	SEE ARCHITECTURAL DRAWINGS FOR ALL DISABLED ACCESS FIXTURE LOCATIONS AND MOUNTING HEIGHTS. INSULATE ALL EXPOSED EDGES, INCLUDING WATER SUPPLY PIPING, LOOSE KEY STOPS, AND DRAIN PIPING BELOW DISABLED ACCESS FIXTURES. ALL DESIGNATED FIXTURES SHALL BE ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES IN ACCORDANCE WITH THE "AMERICANS WITH DISABILITIES ACT OF 2010 - FIXTURES AND THEIR INSTALLATION ANSI A117.1".
4	ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH OTHER TRADES.
5	CLEANOUTS SHALL BE PROVIDED AS REQUIRED BY CODE AND SHALL BE READILY ACCESSIBLE. THE CONTRACTOR SHALL COORDINATE ALL LOCATIONS WITH EQUIPMENT, CABINETS, ETC., WITH THE ARCHITECT PRIOR TO ANY INSTALLATION. ALL CLEANOUTS SHALL BE SIZED PER CODE.
6	EQUIPMENT ANCHORAGE ANCHORAGE DETAILS FOR EQUIPMENT ARE SUBJECT TO APPROVAL OF THE DSA STRUCTURAL ENGINEER PRIOR TO INSTALLATION AND INSPECTION, UNLESS SPECIFICALLY SHOWN ON THESE PLANS. NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
7	ALL PLUMBING FIXTURES, EQUIPMENT, TRIM AND FITTINGS SHALL COMPLY WITH LOCAL, STATE, AND FEDERAL REGULATIONS AND CODES, INCLUDING, BUT NOT LIMITED TO WATER AND ENERGY CONSERVATION CODES. THE SCHEDULED AND/OR SPECIFIED PLUMBING FIXTURES AND EQUIPMENT REPRESENT THE MINIMUM CRITERIA AND SHALL BE THE BASIS FOR THE CONTRACTOR'S BASE BID.
8	ALL WASTE PIPING 3" & SMALLER SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED OR REQUIRED DUE TO STRUCTURAL CONDITIONS.
9	PROVIDE DIELECTRIC ISOLATION FITTINGS AT POINT OF CONNECTION OF ALL COPPER TUBING AND ANY DISSIMILAR METALS.
10	ALL NEW PIPING, INCLUDING WATER, WASTE, STORM, OVERFLOW AND GAS, SHALL BE TESTED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE.
11	ALL HOT WATER PIPING SHALL BE INSULATED WITH MINIMUM THERMAL RESISTANCE OF R=4.0 PER INCH. THE INSULATION SHALL HAVE A FLAME SPREAD RATING OF NOT MORE THAN 25 AND SMOKE DEVELOPED RATING OF NOT MORE THAN 50, TYPE AND THICKNESS PER SPECIFICATIONS.
12	PROVIDE LOOSE KEY STOPS AT ALL FIXTURES.
13	EACH PLUMBING VENT SHALL TERMINATE NOT LESS THAN TEN (10) FEET FROM TO THREE (3) FEET ABOVE ANY WINDOW, DOOR, AIR INTAKE, OR VENT SHAFT, AND SHALL HAVE A VANDAL RESISTANT VENT CAP.
14	ALL HOSE BIBBS HAVE A NON-REMOVABLE VACUUM BREAKER.
15	CONTRACTOR SHALL PAY ALL FEES REQUIRED TO COMPLETELY INSTALL ALL EQUIPMENT, MATERIALS AND PIPING INDICATED IN CONTRACT DRAWINGS.
16	CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL EXPOSED PIPING ON ROOF WITH ALL EQUIPMENT, CRICKETS AND RIDGE LINES AS SHOWN ON MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS.
17	CONTRACTOR SHALL PROVIDE WATER HAMMER ARRESTORS AS CLOSE AS POSSIBLE TO QUICK-ACTING VALVES AT THE END OF LONG PIPE OR BOTH. PER CPC SECTION 609.10 AND PDI WH-201.
18	ALL BURRED ENDS OF WATER PIPING AND TUBING SHALL BE REAMED TO THE FULL BORE OF THE PIPE OR TUBE AND ALL CHIPS SHALL BE REMOVED (SEE CALIFORNIA PLUMBING CODE, 2010 EDITION, SECTION 310.3). ADDITIONALLY, TOOLS USED IN CUTTING OR REAMING SHALL BE KEPT FREE FROM OIL OR GREASE AND WHERE SUCH CONTAMINATION HAS OCCURRED, THE ITEMS AFFECTED SHALL BE REWORKED AND RINSED.
19	FOR PIPE PENETRATIONS THROUGH FIRE RATED FLOOR, WALL AND PARTITIONS, PROVIDE FIRE STOP DEVICES AND PACKING IN COMPLIANCE WITH U.L. FIRE RESISTANCE DIRECTORY FOR THROUGH-PENETRATION FIRE STOPS DEVICES (XHCR), SYSTEMS WL1001, WL1002, WL5001, WL5002 OR CAJ1001, CAJ5001, CAJ5002, CAJ5003 AS APPLICABLE.

APPLICABLE CODES

2019	CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2019	CALIFORNIA BUILDING CODE, (VOL 1 & 2) (2018 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS).
2019	CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE WITH 2019 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE WITH 2019 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA PLUMBING CODE, PART 5, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE WITH 2019 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2019	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA GREEN BUILDING STANDARD CODE, TITLE 24, PART II C.C.R.
2019	CALIFORNIA REFERENCE STANDARDS CODE, PART 12, TITLE 24 C.C.R.

PLUMBING LEGEND

SYMBOL	ABBREV	DESCRIPTION
—S/W—	S OR W	SEWER OR WASTE BEL. FLR. OR GRD.
—S/W—	S OR W	SEWER OR WASTE ABV. FLR. OR GRD.
— — V — —	V	VENT LINE
—CD—	CD	CONDENSATE DRAIN
—CW—	CW	COLD WATER
—HW—	HW	HOT WATER
—HWR—	HWR	HOT WATER RETURN
—MPG—	MPG	MEDIUM PRESSURE GAS (5 PSIG)
—G—	G	GAS LINE (9" WC)
—SD—	SD	STORM DRAIN BELOW GRADE
—OD—	OD	OVERFLOW DRAIN ABOVE GRADE
—SD—	SD	STORM DRAIN BELOW GRADE
—OD—	OD	OVERFLOW DRAIN BELOW GRADE
—ICW—	ICW	INDUSTRIAL COLD WATER
—TP—	TP	TRAP PRIMER LINE
	FD	FLOOR DRAIN
	FS	FLOOR SINK
—⏀—	FCO	FLOOR CLEANOUT
—▣—	COYB	CLEANOUT IN YARD BOX
—C|—	WCO	WALL CLEANOUT BEHIND ACCESS PANEL
	IWR	INDIRECRT WASTE RECEPTOR
—o—	CO	CLEANOUT
	TP	TRAP PRIMER
	SOVYB	SHUT-OFF VALVE IN YARD BOX (BALL TYPE)
	SOV	SHUT-OFF VALVE (BALL TYPE)
	SOV	SHUT-OFF VALVE (BUTTERFLY TYPE)
—+	HB	HOSE BIBB
—⋈—	GV	GAS VALVE
—⋈—	GPR	GAS PRESSURE REGULATOR
—||—	-	UNION
—⋈—	CV	CHECK VALVE
	PG	PRESSURE GAUGE
	TH	THERMOMETER
—▶—	-	DIRECTION OF FLOW IN LINE
—]	–	CAP OR PLUG
-	–	KEYNOTE
- / -		DETAIL NUMBER / DRAWING NUMBER WHERE DRAWN
	POC	POINT OF CONNECTION BETWEEN NEW & EXISTING WORK

PLUMBING ABBREVIATIONS

&	AND
(E)	EXISTING
@	AT
ABV	ABOVE
AD	AREA DRAIN
ADA	AMERICAN WITH DISABILITY ACT
AFF	ABOVE FINISH FLOOR
AP	ACCESS PANEL
ARCH	ARCHITECT/ARCHITECTURAL
BEH	BEHIND
BEL	BELOW
BLDG	BUILDING
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CM	COFFEE MAKER
CONC	CONCRETE
CONN	CONNECT/CONNECTION
CONT	CONTINUED/CONTINUTATION
CP	CIRCULATING PUMP
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DN	DOWN
DS	DOWNSPOUT
DWG(S)	DRAWING(S)
EA	EACH
EQUIP	EQUIPMENT
FD	FLOOR DRAIN
FFE	FINISH FLOOR ELEVATION
FIN	FINISH
FLR	FLOOR
FR	FROM
FS	FLOOR SINK
FTG(S)	FITTINGS
GAL	GALLONS
GPF	GALLONS PER FLUSH
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GRD	GRADE
HB	HOSE BIBB
HDR	HEADER
HP	HORSE POWER
HTR	HEATER
IE	INVERT ELEVATION
IWR	INDIRECT WASTE RECEPTOR
L	LAVATORY
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
OD	OVERFLOW DRAIN
PP	POLYPROPYLENE
PRESS	PRESSURE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
R	REFRIGERATOR
RD	ROOF DRAIN
RI & C	ROUGH-IN AND CONNECT
S	SINK
SHT	SHEET
T	TANK
TEMP	TEMPERATURE
THRU	THROUGH
TP	TRAP PRIMER
TYP	TYPICAL
UL	UNDERWRITERS' LABRATORIES
UR	URINAL
VTR	VENT THRU ROOF
W/	WITH
WC	WATER CLOSET
WH	WATER HEATER

BUILDING WATER CALCULATIONS

TABLE 1-BUILDING WATER SUPPLY

PROJECT: Hollywood Recreation Center
TYPE OF SYSTEM: DOMESTIC — BLDG TYPE: SLAB ON GRADE
PIPE LOSSES ARE BASED ON: SMOOTH (CHART A-4) PIPE AND FITTINGS
MAXIMUM CW DEMAND: W.S.F.U./GPM 91.5 FU=10 GPM — GPM 76.00
AVAILABLE PRESSURE (BLDG POC) HIGH 126.0 PSI — LOW 94.00 PSI
LOSS THROUGH WATER METER SIZE: (existing 2") N/A @ 76 GPM 2.0 PSI
LOSS THROUGH REDUCED PRESURE BACK FLOW PREVENTOR (IF APPLICABLE) 2-1/2" SIZE (ZURN MODEL #375) 12.0 PSI
BUILDING PRESSURE REGULATOR SET POINT (IF APPLICABLE) 2-1/2" SIZE (ZURN MODEL #500XL) 75.0 PSI
LOSS THROUGH PRESSURE REGULATOR 4.0 PSI
LOSS THROUGH SUB METER SUBMETER SIZE OR MODEL
FLOW: GPM 0.00 FU 0.0 0.0 PSI
PRESSURE REQUIRED @ MOST REMOTE OR/AND HIGHEST FIXTURE WITH WORST SUPPLY CONDITION 25.00 PSI
STATIC LOSS: 25.0 ft X 0.434 10.85 PSI
TOTAL LOSSES (FROM STREET TO BUILDING): 53.85 PSI
AVAILABLE PRESSURE FOR FRICTION LOSS (FROM LOW OR REGULATOR SET POINT) 21.15 PSI
TOTAL DEVELOPED LENGTH(ADD 15% EXTRA FOR FITTINGS &VALVES): 1884.0 ft
AVAILABLE PRESSURE LOSS PER 100' = 21.2 PSI / 1884.0 ft = 1.12 PSI/per 100'

BOOSTING NEEDED NO BOOSTER OUTLET SET POINT 0.0 PSI
ZONE PRESSURE REGULATOR SET POINT 0.0 PSI
ZONE PRESSURE REGULATOR AND LOSS PER REGULATOR SIZE & MODEL 0.0 PSI
ZONE LOSS THROUGH SUB METER SUBMETER SIZE OR MODEL
FLOW: GPM 0.00 FU 0.0 0.0 PSI
ZONE PRESSURE REQUIRED @FIXTURE FLUSH VALVE SYSTEM 0.0 PSI
ZONE STATIC LOSS (GAIN, if negative): 0.0 ft X 0.434 0.0 PSI
TOTAL LOSS (AFTER BOOSTING): 0.00 PSI
ZONE AVAILABLE PRESSURE FOR FRICTION LOSS(ADD 15% EXTRA FOR FITTINGS &VALVES) 0.00 PSI
ZONE TOTAL DEVELOPED LENGTH(ADD 15% EXTRA FOR FITTINGS &VALVES 0.0 ft
ZONE AVAILABLE PRESSURE LOSS PER 100' = 0.0 PSI / 0.0 ft = 0.00 PSI/per 100'

TABLE 2-COLD WATER PIPE SIZING CRITERIA

PRESSURE LOSS	1.12	PSI per 100'	COPPER
MAXIMUM VELOCITY	6.00	ft/s	H-W Coef.: 140

	NPS PIPE SIZE(INCH)	ID(INCH)	GPM	FU(FT SYS.)	FU(FV SYS.)	VEL
TYPE L COPPER	1/2	0.545	1.1	-	-	1.5 ft/s
	3/4	0.785	2.9	2	-	1.9 ft/s
	1	1.025	5.8	6	-	2.3 ft/s
	1 1/4	1.265	10.2	13	-	2.6 ft/s
	1 1/2	1.505	16.1	21	-	2.9 ft/s
	2	1.985	33.2	58	15	3.4 ft/s
	2 1/2	2.465	58.8	165	69	4.0 ft/s
	3	2.945	93.8	337	205	4.4 ft/s
	4	3.905	197.1	874	850	5.3 ft/s
	6	5.845	501.5	-	-	6.0 ft/s
	8	7.725	876.1	-	-	6.0 ft/s

TABLE 3-HOT WATER PIPE SIZING CRITERIA

PRESSURE LOSS	1.12	PSI per 100'	COPPER
MAXIMUM VELOCITY	5.00	ft/s	H-W Coef.: 140

	PIPE SIZE(INCH)	ID(INCH)	GPM	FU(FT SYS.)	FU(FV SYS.)	VEL
TYPE L COPPER	1/2	0.545	1.1	-	-	1.5 ft/s
	3/4	0.785	2.9	2	-	1.9 ft/s
	1	1.025	5.8	6	-	2.3 ft/s
	1 1/4	1.265	10.2	13	-	2.6 ft/s
	1 1/2	1.505	16.1	21	-	2.9 ft/s
	2	1.985	33.2	58	-	3.4 ft/s
	2 1/2	2.465	58.8	165	-	4.0 ft/s
	3	2.945	93.8	337	-	4.4 ft/s
	4	3.905	186.5	840	-	5.0 ft/s
	6	5.845	417.9	-	-	5.0 ft/s
	8	7.725	730.9	-	-	5.0 ft/s

Notes:
- Flow, Head Loss, Velocity and Pressure Loss, calculated per Hazen-Williams Equation.
- Fixture Units and corresponding GPM conversion per LADBS document No. P/PC 2004-xx Public Information Bulletin

Fixture Unit Calculation Form

Project Name: Hollywood Recreation Center — Date: 08-05-2021
Created By: Marcia McKone — Checked By: Nick Kourassis

Plumbing Fixture Unit Schedules

Descriptiopn	Quantity	Waste F.U	Water F.U	C.W F.U	H.W F.U	H.W. DEMAND (GPH)	Total Waste F.U	Total Water F.U	Total C.W F.U	Total H.W F.U	Possible max. Total H.W DEMAND (GPH)
Fixtures in Non-Residential Areas											
Lavatory	8	1	1	0.75	0.75	6	8	8	6	6	48
Urinals	2	2	4	1	0	0	4	8	2	0	0
Water Closet	11	4	5	5	0	0	44	55	55	0	0
Kitch. Sink/Disposer	3	2	2	1.5	1.5	20	6	6	4.5	4.5	60
Shower	1	2	2	1.5	1.5	30	2	2	1.5	1.5	30
Refridgerator	2	0	0.5	0.5	0	0	0	1	1	0	0
Mop Sink/Utility Sink	1	3	3	2.25	2.25	20	3	3	2.25	2.25	20
Drinking Fountain	2	1	1	1	0	0	2	2	2	0	0
Hose Bibb(1st one)	1	0	2.5	2.5	0	0	0	2.5	2.5	0	0
Hose Bibb	4	0	1	1	0	0	0	4	4	0	0
3" floor sink	1	6	0	0	0	0	6	0	0	0	0
Floor Drain (Emergency only)	3	2	0	0	0	0	6	0	0	0	0
Roof Receptor	1	2	0	0	0	0	2	0	0	0	0
Hub Drain(1st one)	1	100	0	0	0	0	100	0	0	0	0

Mechanical make-up water = 10 GPM

Grand Totals							183	91.5	80.75	14.25	158
							Total Waste F.U	Total Water F.U	Total C.W F.U	Total H.W F.U	Total H.W Possible max. DEMAND (GPH)
							Total Bldg Water Demand GPM =	91.5 FU ÷ 10 = 76 GPM	Use 0.4 as demand factor and 1.0 for storage factor: Heater capacity = 63.2 gph, storage tank = 100 Gal.		

PLUMBING SHEET INDEX

P0.01	PLUMBING COVER SHEET
P0.02	PLUMBING SCHEDULES
P1.01	PLUMBING SITE PLAN
P2.01	PLUMBING PLANS - LEVEL 1 & 2
P2.02	PLUMBING PLAN - ROOF
P3.01	ENLARGED PLUMBING PLANS
P3.02	ENLARGED PLUMBING PLANS
P4.01	PLUMBING RISER DIAGRAMS
P4.02	PLUMBING RISER DIAGRAMS
P6.01	PLUMBING DETAILS

LEHRER ARCHITECTS LA
2140 Pontius Avenue, Los Angeles, CA 90025-6306
ph 310.444.9747 fax 310.444.9756 lehrerla@aol.com
SK ENGINEERS
621 East Hardwick Drive, Monrovia, California 91016
ph 626.358.1933 fax 626.358.1933

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER — NICHOLAS J. KOURASSIS — No. M31713 — Exp. 6/30/2025 — MECHANICAL — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER:
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

BUREAU OF ENGINEERING — OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: PLUMBING COVER SHEET

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. P0.01
SHEET 0 OF SHEETS

PLOTTED:6/24/2024 3:38:14 PM

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 09/22/20
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

PIPE MATERIAL

Utility	Above Grade	Below Grade
SANITARY SOIL, WASTE, VENT, STORM & OVERFLOW DRAIN	NO-HUB CAST IRON & COUPLINGS W/STAINLESS STEEL BAND FITTINGS	NO-HUB CAST IRON W/M.G. COUPLINGS
DOMESTIC & INDUSTRIAL WATER	TYPE "L" COPPER W/WROUGHT COPPER SOLDERED JOINT FITTINGS	TYPE "K" COPPER W/WROUGHT COPPER BRAZED JOINT FITTINGS

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	WASTE	TRAP	VENT	CW	HW	DESCRIPTION
WC-1	WATER CLOSET	4"	INTEGRAL	2"	1 1/2"		AMERICAN STANDARD "MADERA FLOWISE 15" #3451.001: FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, 1.1 GPF, FIXTURE; SLOAN ROYAL #111 ES-S-1.1-TMO: HARD-WIRED, FLUSHVALVE;; CHURCH #95SSCT: OPEN FRONT SEAT.
WC-2	WATER CLOSET (ADA)	4"	INTEGRAL	2"	1 1/2"		SAME AS WC-1 EXCEPT USE AMERICAN STANDARD "MADERA FLOWISE1 6-1/2" #3461.001, FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, 1.1 GPF, FIXTURE; SLOAN ROYAL MODEL #111-ES-S 1.1-TMO: HARD-WIRED, FLUSHVALVE; CHURCH #95SSCT: OPEN FRONT SEAT; INSTALL AT ADA APPROVED HEIGHT.
WC-3	WATER CLOSET - ADA (SECURITY)	4"	INTEGRAL	2"	12 1/2"		WILLOUGHBY #ASETF-1490-FM-FA-BS-HC-GWC-FV CONCEALED BLOWOUT JET TYPE WITH ELONGATED BOWL,SELF DRAINING FLUSHING RIM, AND INTEGRAL SEAT, W/1.28 GPF, TOILET TRAP SHALL HAVE A MIN. 4-1/2" SEAL. CABINET INTERIOR IS SOUND-DEADENED WITH FIRE-RESISTANT MATERIAL. FIXTURE SHALL INCLUDE AND FURNISHED WITH NECESSARY ITEMS: FAST DRAIN, AND MOUNTING HARDWARE FOR PROPER INSTALLATION.
UR-1	URINAL (ADA)	2"	INTEGRAL	1 1/2"	1 1/4"		SLOAN "HYBRID" #HYB-4000: WALL HUNG, WHITE, VITREOUS CHINA, TOUCH-FREE, HYGENIC OPERATION WITH CARTRIDGE HOUSING ASSEMBLY VANDAL RESISTANT LOCKING DEVICE, AUTOMATIC ACTIVATION W/1.0 GAL. OF WATER THROUGH HOUSING AND DRAIN EVERY 72 HOURS. IR SWITCH FOR MANUAL RINSE ACTIVATION. V LITHIUM BATTERY INCLUDED.. INSTALL AT ADA APPROVED HEIGHT.
L-1	LAVATORY (ADA)	2"	1 1/4" x 1 1/2"	1 1/2"	1/2"	1/2"	SLOAN " DESIGNER SERIES" #DSWD-81000: WALL MOUNTED, FIXTURE WITH TWO HOLE PUNCH; SLOAN #EF-250-HW-CP-0.35GPM-MLM-IR-IO-FCT: HARD-WIRED FAUCET SET FOR .20 GAL. PER CYCLE;PROVIDE WITH SLOAN #ESD-2000-CP: BATTERY OPERATED SOAP DISPENSER. CHICAGO FAUCET #1017-ABCP: LOOSE KEY STOPS & SUPPLIES, #327-XCP: GRID DRAIN; 1-1/4"x1-1/2" P-TRAP. INSULATE TRAP, TRAP ARM & SUPPLIES. INSTALL AT ADA APPROVED HEIGHT.
L-2	LAVATORY (ADA)	2"	1 1/4" x 1 1/2"	1 1/2"	1/2"	1/2"	SAME AS L-1 EXCEPT USE SLOAN "DESIGNER SERIES" #DSWD-82000: WALL MOUNTED, FIXTURE WITH FOUR HOLE PUNCH. INSTALL AT ADA APPROVED HEIGHT.
L-3	LAVATORY - ADA (SECURITY)	2"	1-1/4" x 1-1/2"	1-1/2"	1/2"	1/2"	WILLOUGHBY #HS-1013-46-HC-SBPH-PML2-PBH-EB-WS-DFBH: LAVATORY OVAL BOWL IS 13" x 9-1/2" x 6" DEEP, STANDARD ELBOW WASTE OUTLET 1-1/2" O.D. REMOVABLE P-TRAP W/PLAIN END WASTE CONNECTION; WITH AIR CONTROL PNEUMATICALLY OPERATED, PUSHBUTTON VANDAL RESISTANT METERING 0.35 GPM FLOW CONTROL VALVE SET AT NOT MORE THAN 0.2 GAL./CYCLE. VALVE AND BUBBLER CONFORM WITH LEAD-FREE REQUIREMENT. FIXTURE SHALL INCLUDE AND FURNISHED WITH NECESSARY ITEMS: FAST GRAIN, INTEGRAL RAISED SOAP RIBS AND MOUNTING HARDWARE FOR PROPER INSTALLATION. INSTALL FIXTURE AT ADA APPROVED HEIGHT.
SH-1	SHOWER -ADA (SECURITY)	2"	2"	1-1/2"	3/4"	3/4"	WILLOUGHNY #WBS-HCA-E1L2-PZPB-LRSH-2HD: LIGATURE RESISTANT, STAINLESS STEEL FIXTURE WITH 1.5 GPM PNEUTRONIC FLOW CONTROLS. PROVIDE WITH TIME-TROL AND WALL SLEEVE.
SK-1	PANTRY SINK (ADA)	2"	2"	1 1/2"	3/4"	3/4"	ELKAY "LUSTERTONE" #ELUHAD311845: UNDERCOUNTER MOUNTED, 30-3/4"x18-1/2"x4-3/8" FIXTURE; CHICAGO FAUCET #786-E36XKABCP: 1.5 GPM, 8" CENTERS; ELKAY #LKPD1: REAR CENTER PLACEMENT; PROVIDE CHICAGO FAUCET #1006-ABCP: LOOSE KEY ANGLE STOPS & SUPPLIES; 1-1/2" P-TRAP. INSULATE TRAP, TRAP ARM, & SUPPLIES WITH TRUEBRO LAV GUARD. PROVIDE (GD-1) INSINKERATOR BADGER 5, 120 V, 60 HZ, 1726 RPM, 6.3 AMPS. INSTALL AT ADA APPROVED HEIGHT.
SK-2	SINK (ADA)	2"	2"	1 1/2"	3/4"	3/4"	SAME AS S-1 EXCEPT LESS GD-1
SK-3	KITCHEN SINK	2"	1 1/2"	1 1/2"	3/4"	3/4"	SAME AS SK-1 EXCEPT USE ELKAY #LRADQ202255: 19-1/2"x22"x5-1/2"D WITH REAR CENTER DRAIN.
DF-1	DRINKING FOUNTAIN (HI-LO)	2"	2"	1 1/2"	3/4"	0"	ELKAY #EZWS-ERPBM2K: TO DELIEVER 8 GPH @ 50ºF, 18 GA. 300 SERIES STAINLESS STEEL SUPPORT ARMS, BOTTLE FILLER. PROVIDE MOUNTING FRAME & BRACKET. 120v, 1a
SS-1	SERVICE SINK	3"	3"	2"	3/4"	3/4"	ELKAY #EFS3321C: FLOOR MOUNTED TYPE; CHICAGO FAUCET #956-RCP: VACUUM BREAKER & VINYL HOSE
AD-1	AREA DRAIN						J.R. SMITH #1450Y-03-M: 3" SIZE WITH 11" SQUARE STRAINER, DUCO CAST IRON BODY, DUCTILE IRON GRATE.
FD-1	FLOOR DRAIN	2"	2"	1 1/2"	0"		J.R. SMITH #2005-A-U-NB: NO HUB OUTLET, ROUND TOP, DUCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE NICKEL BRONZE STRAINER. PROVIDE WITH TRAP PRIMER CONNECTION.
FD-2	SHOWER DRAIN	2"	2"	1 1/2"	0"		SAME AS FD-1 EXCEPT USE #2005-B-U-NB: SQUARE GRATE AND LESS TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK	3"	3"	2"	1/2"		J.R. SMITH #3960-Y-R-UDC, DUCO CAST IRON, SOLID WATER DAM, SUMP RECEIVER, UNDERDECK CLAMP
HB-1	WALL HYDRANT				3/4"		ACORN #8151-SSLF: RECESSED WITH DOOR & NON-REMOVEABLE VACUUM BREAKER.
HB-2	HOSE BIBB (ROOF)				3/4"		ACORN #8126-CP: FOR ROOF APPLICATION, PROVIDE WITH NON-REMOVEABLE VACUUM BREAKER.
TP-1	TRAP PRIMER				1/2"		PPP INC. #PR-500: WITH DISTRIBUTION BOX AS REQUIRED. 1/2" TRAP PRIMER CONN. TO FD-1 & FS-1. CONN. TO FD-2 NOT REQUIRED.
WHA-1	WATER HAMMER ARRESTOR				0"		PPP SBHA SERIES FACTORY PRE-CHARGED, HEAVY DUTY, DIRECT-ACTION EXPANSION BELLOWS, STAINLESS STEEL CONSTRUCTION. SEE PLANS FOR SIZES

ELECTRIC WATER HEATER SCHEDULE

TAG	LOCATION	SERVICE	MANUFACTURER & MODEL #	KW INPUT	RECOVERY @ 60ºF (GPH)	WATER TEMP ºF IN	WATER TEMP ºF OUT	OPERATING WT. (LBS.)	STORAGE CAPACITY	REMARKS
HP-1	STORAGE	DOMESTIC HOT WATER	CAHP120	22	151	60	120	1611	119	

PUMP SCHEDULE

TAG	LOCATION	SERVICE	MANUFACTURER & MODEL #	GPM	RPM	V	PH	HP	OPERATING WEIGHT	DESCRIPTION
CP 1	GYM STORAGE	DOMESTIC HOT WATER	BELL & GOSSETT	0 GPM	2800	115	1	1/12	30	HIGH EFFICIENCY WET ROTOR CIRCULATOR PUMP, BRONZE CONSTRUCTION.

TANK SCHEDULE

TAG	LOCATION	SERVICE	MANUFACTURER & MODEL #	TYPE	STORAGE CAPACITY	OPER. WT. (LBS.)	REMARKS
ET-1	GYM STORAGE	DOMESTIC HOT WATER	AMTROL #ST-5C	DOMESTIC HOT WATER	2	27	EXPANSION TANK, ASME RATED

ZURN Model 375
Reduced Pressure Principle Assembly



Application
Designed for installation on potable water lines to protect against both backsiphonsage and backpressure of contaminated water into the potable water supply. The Model 375 provides protection where a potential health hazard exists. Ideal for use where lead-free" valves are required.

Standards Compliance
(Unless Otherwise Noted, Sizes 2 1/2" Thru 10")
- ASSE® Listed 1013
- cUPC® Listed
- CSA® Certified B64.4 (2 1/2" thru 8")
- AWWA Compliant C511, and C550
- FM® Approved
- UL® Classified
- C-UL® Classified
- NYC MEA 49-01-M Vol 2
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California.
- Meets the requirements of NSF/ANSI/CAN 61* *0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

Materials

Main valve body	Ductile Iron ASTM A 536
Access covers	Ductile Iron ASTM A 536
Coatings	NSF Approved fusion epoxy finish
Internals	Stainless steel, 300 Series NORYL™
Fasteners	Stainless Steel, 300 Series
Seal rings	EPDM (FDA approved)
O-rings	Buna Nitrile (FDA approved)
Springs	Stainless Steel, 300 Series
Sensing line	Stainless Steel, braided hose

Features
Sizes: 2 1/2", 3", 4", 6", 8", 10"

Maximum working water pressure	175 PSI
Maximum working water temperature	140°F
Hydrostatic test pressure	350 PSI
End connections (Grooved for steel pipe) (Flanged)	AWWA C606 ANSI B16.42 Class 150

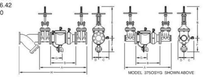
Attention:
Model 375 (flange body) and Model 375A (grooved body) have different lay lengths.

Options (Suffixes can be combined)
- ☐ - with NRS shut-off valves (standard)
- ☐ FSC - with epoxy coated wye-type strainer (flanged only)
- ☐ G - with grooved end NRS gate valves
- ☐ GF - with grooved inlet connection and flanged outlet connection
- ☐ FG - with flanged inlet connection and grooved outlet connection
- ☐ L - less shut-off valves (flanged body connections)
- ☐ OSY - with OS&Y gate valves
- ☐ PI - with Post Indicator gate valve
- ☐ BG - with grooved and butterfly valves with integral supervisory switches

*New Connected Products. Search ZCSM-PF on Zurn.com for details.

Accessories
- ☐ Connected Pressure Monitor (Model ZCSM-PF)*
- ☐ Connected Flow Meter Option (Model ZCSM-BTM must be ordered with Model ZCSM-PF)*
- ☐ OS & Y Gate valve tamper switch (OSY-40
- ☐ Air gap (Model AG)
- ☐ QT-SET Quick Test Fitting Set
- ☐ Repair kit (rubber only)
- ☐ Thermal expansion tank (Model XT)
- ☐ Wireless Monitor Retrofit Kit for conversion of existing model 375 (212-6-RFK-375W1, 8-10-RFK-375W1)

Relief Valve discharge port:
2 1/2" - 6" - 2.75 sq. in.
8" - 10" - 3.89 sq. in.



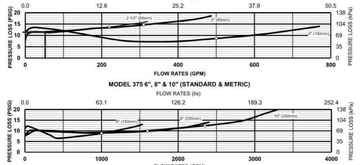
MODEL 375DSYS SHOWN ABOVE

DIMENSIONS (approximate)																								WEIGHT	
MODEL NO. SIZE	A		B BUTTERFLY VALVES OPEN		C LEAD VALVE OPEN		D LEAD VALVE CLOSED		E GATE		F		G		H		I		J LEAD VALVE OPEN		K LEAD VALVE CLOSED		MIN. SPACE REQUIRED FOR REMOVAL		LEAD VALVE OPEN		BUTTERFLY VALVES OPEN	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.	lbs.	kg.
2	50	1270	24	610	24	610	24	610	24	610	6	152	6	152	6	152	6	152	24	610	24	610	24	610	50	23	50	23
2 1/2	65	1651	24	610	24	610	24	610	24	610	6	152	6	152	6	152	6	152	24	610	24	610	24	610	50	23	50	23
3	80	2032	24	610	24	610	24	610	24	610	6	152	6	152	6	152	6	152	24	610	24	610	24	610	50	23	50	23
4	100	2540	24	610	24	610	24	610	24	610	6	152	6	152	6	152	6	152	24	610	24	610	24	610	50	23	50	23
6	150	3810	24	610	24	610	24	610	24	610	6	152	6	152	6	152	6	152	24	610	24	610	24	610	50	23	50	23
8	200	5080	24	610	24	610	24	610	24	610	6	152	6	152	6	152	6	152	24	610	24	610	24	610	50	23	50	23
10	250	6350	24	610	24	610	24	610	24	610	6	152	6	152	6	152	6	152	24	610	24	610	24	610	50	23	50	23

Zurn Industries, LLC | Wilkins
1747 Commerce Way, Paso Robles, CA U.S.A. 93446 Ph. 855-663-9876, Fax 805-238-5766
In Canada | Zurn Industries Limited
7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, 877-892-5216
www.zurn.com

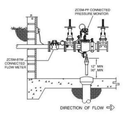
Rev. M
Date: 12/22
Document No. BF-375
Product No. Model 375
Patent zurn.com/patents

Flow Characteristics

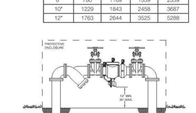


Typical Installation
Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.

Capacity thru Schedule 40 Pipe (GPM)				
Pipe size	5 ft/sec	7.5 ft/sec	10 ft/sec	15 ft/sec
2 1/2"	75	112	149	224
3"	115	173	230	346
4"	198	298	397	595
6"	450	675	900	1351
8"	780	1169	1559	2339
10"	1229	1843	2458	3687
12"	1763	2644	3525	5288



INDOOR INSTALLATION
(375OSY with ZCSM-PF Connected Pressure Monitor and ZCSM-BTM Connected Flow Meter accessories)



OUTDOOR INSTALLATION

Specifications
The Reduced Pressure Principle Backflow Prevention Assembly shall be certified to NSF/ANSI/CAN 61, ASSE® Listed 1013, and supplied with full port gate valves. The main body and access cover shall be epoxy coated ductile iron (ASTM A 536), the seat ring and check valve shall be NORYL™, the stem shall be stainless steel (ASTM A 276) and the seat disc elastomers shall be EPDM. The checks and the relief valve shall be accessible for maintenance without removing the device from the line. The Reduced Pressure Principle Backflow Prevention Assembly shall be a ZURN WILKINS Model 375.

Zurn Industries, LLC | Wilkins
1747 Commerce Way, Paso Robles, CA U.S.A. 93446 Ph. 855-663-9876, Fax 805-238-5766
In Canada | Zurn Industries Limited
7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, 877-892-5216
www.zurn.com

ZURN Model 500XL
Water Pressure Reducing Valve with Integral By-pass Check Valve



Application
Zurn Wilkins model 500XL designed for installation on potable water lines to reduce high inlet pressure to a lower outlet pressure. The high flow capacity makes this device most suitable for industrial water lines and commercial water systems. The direct acting integral by-pass design prevents buildup of excessive system pressure caused by thermal expansion. The balanced piston design enables the regulator to react in a smooth and responsive manner to changes in system flow demand, while at the same time, providing protection from inlet pressure changes.

Standards Compliance
- ASSE® Listed 1003 (1/2" thru 2 1/2")
- IAPMO® Listed (1/2" thru 2")
- CSA® Certified (1/2" thru 2")
- City of Los Angeles Approved (1/2" thru 2")
- Meets the requirements of NSF/ANSI/CAN 61

Materials

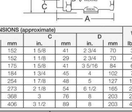
Main valve body	Low Lead Cast bronze ASTM B 584
Access covers	Low Lead Cast bronze ASTM B 584
Fasteners	Low Lead Brass Stainless steel, 300 series
Stem & plunger	Low Lead Cast bronze ASTM B 584 Low Lead Brass
Elastomers	Buna Nitrile (FDA approved) EPDM (FDA approved)
Cap gaskets	Natural vulcanized fibre Acetal (Delrin™ 500)
Springs	Oil tempered wire, ASTM A 229
Seat	Stainless steel, 300 series

Features
Sizes: 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"

Maximum working water pressure	300 psi
Maximum working water temperature	140° F
Reduced pressure range	25 psi to 75 psi
Factory preset (field set 2 1/2" & 3")	50 psi
Threaded connections (FNPT)	ANSI B1.20.1
Copper connections (FC)	ANSI B 16.22
CPVC tailpiece: Max.hot water temp.	140°F @ 100 psi
Cold water rated temp.	73.4°F @ 400 psi

Options
(Suffixes can be combined)
- ☐ - standard with single union FNPT inlet x FNPT outlet (1/2" thru 2") and less union (2 1/2" & 3")
- ☐ C - copper sweat connection (1/2" thru 2") copper sweat strainer 3/4" & 1" only All other strainers are FNPT
- ☐ HR - 75 psi to 125 psi spring range, factory set at 85 psi (field set 2 1/2" & 3")
- ☐ HLR - 10psi to 125 psi spring range, factory set at 50 psi
- ☐ HTSTSC - 180°F maximum temp, stainless steel trim, spring, sealed cage
- ☐ L - less integral by-pass check valve (3/4" -2")
- ☐ LPV - 180°F maximum temp with 10 psi to 35 psi spring range, factory set at 20 psi
- ☐ SC - sealed cage bell housing and stainless steel adjustment screw
- ☐ SW - made for salt water service
- ☐ YSBR - with lead-free bronze "Y" strainer on inlet
- ☐ 510XL - 400 psi inlet rating and 75 psi to 125 psi spring range, factory set at 85 psi (field set 2 1/2" & 3")
- ☐ P - tapped and plugged for gauge
- ☐ G - tapped and plugged with gauge
- ☐ CPVC - CPVC tailpiece connection (3/4"-1")

Accessories
- ☐ Repair kit (rubber only)



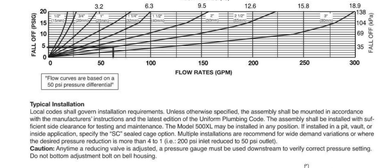
Dimensions & Weights (do not include pkg.)

SIZE	CONNECTIONS	A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	WEIGHT lbs.	WEIGHT kg.
1/2	SINGLE UNION	4 1/2	108	6	152	1 5/8	41	2 3/4	70	3	1.5
3/4	SINGLE UNION	4 5/8	118	6	152	1 5/8	41	2 3/4	70	4	2.0
1	SINGLE UNION	5 1/8	130	6 7/8	175	1 5/8	41	3 5/16	84	6	3.0
1 1/4	SINGLE UNION	6 5/16	160	7 1/4	184	1 3/4	45	4	102	7	3.0
1 1/2	SINGLE UNION	8 5/16	211	10	254	1 7/8	48	5	127	14	6.5
2	SINGLE UNION	9 1/2	241	10 3/4	273	2 1/8	54	6 1/2	165	20	9.0
2 1/2	LESS UNION	10	254	14 1/2	368	3	76	8	203	28	12.3
3	LESS UNION	11 1/8	283	16	406	3 1/2	89	8	203	44	20.0

Zurn Industries, LLC | Wilkins
1747 Commerce Way, Paso Robles, CA U.S.A. 93446 Ph. 855-663-9876, Fax 805-238-5766
In Canada | Zurn Industries Limited
7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, 877-892-5216
www.zurn.com

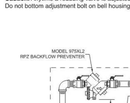
Rev. J
Date: 11/19
Product No. REG-500XL
Product No. Model 500XL
Patent zurn.com/patents

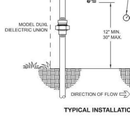
Flow Characteristics



"Flow curves are based on a 50 psi pressure differential"

Typical Installation
Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. The assembly shall be installed with sufficient side clearance for testing and maintenance. The Model 500XL may be installed in any position. If installed in a pit, vault, or inside application, specify the "SC" sealed cage option. Multiple installations are recommend for wide demand variations or where the desired pressure reduction is more than 4 to 1 (i.e.: 200 psi inlet reduced to 50 psi outlet).
Caution: Anytime a reducing valve is adjusted, a pressure gauge must be used downstream to verify correct pressure setting. Do not bottom adjustment bolt on bell housing.





BATTERY INSTALLATION



TYPICAL INSTALLATION

Specifications
The Pressure Reducing Valve shall be certified to NSF/ANSI/CAN 61, consisting of a low lead bronze body and bronze bell housing, a separate access cover for the plunger and a bolt to adjust the downstream pressure. The bronze bell housing and access cap shall be threaded to the body and shall not require the use of ferrous screws. The assembly shall be of the balanced piston design and shall reduce pressure in both flow and no-flow conditions. The assembly shall be accessible for maintenance without having to remove the body from the line. The Pressure Reducing Valve shall be a ZURN WILKINS Model 500XL.

Zurn Industries, LLC | Wilkins
1747 Commerce Way, Paso Robles, CA U.S.A. 93446 Ph. 855-663-9876, Fax 805-238-5766
In Canada | Zurn Industries Limited
7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, 877-892-5216
www.zurn.com

LEHRER ARCHITECTS LA
421 Fair Holdings Drive
Alhambra, California 91801
626.576.0288 Fax 626.576.0289
2140 Pacific Avenue, San Francisco, CA 94115
ph 213.444.2747 fax 213.444.2756 lehrerarchitects.com

SK STRUCTURES
421 Fair Holdings Drive
Alhambra, California 91801
626.576.0288 Fax 626.576.0289

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CITY OF LOS ANGELES

DEPARTMENT OF ENGINEERING
BUREAU OF PUBLIC WORKS

NO.	DATE	REVISION DESCRIPTION	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NIKOLAS J. KOUKOUTARIS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION LIC. NO.: C12115
ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: PLUMBING SCHEDULES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
P0.02
SHEET NO OF SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date
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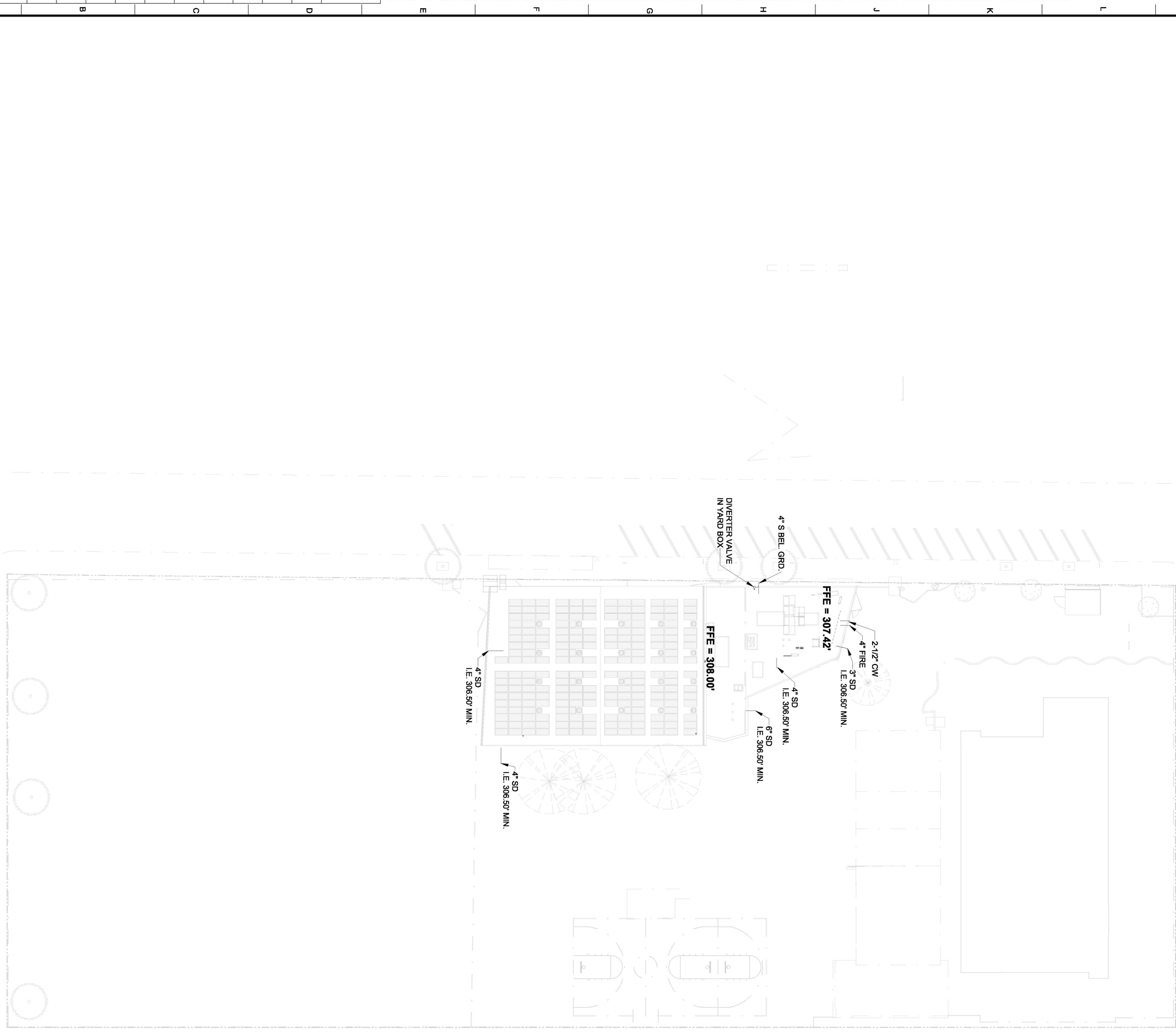

1" = 30'-0"

PLUMBING SITE PLAN

KEYNOTE LEGEND

Project Status
PROJECT ISSUE DATE: Issue Date

S&K ENGINEERS 421 East Huntington Drive Monrovia, California 91016 P: 626.930.1385 F: 626.930.1385

LEHRER ARCHITECTS LA
Michael Beryal Lehrer, FAIA License No. C12115
2140 Hyperion Avenue Los Angeles, CA 90027-4708
ph: 323.664.4747 fax: 323.664.3566 lehrerarchitects.com

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OF SHEETS	P1.01		E1908203

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: PLUMBING SITE PLAN
PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

GARY LEE MOORE, P.E., ENV SP CITY ENGINEER

ARCHITECTURAL DIVISION	DATE:
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: MBL	Issue Date
DRAWN BY: ARC	Issue Date
CHECKED BY: STAFF	Issue Date
APPROVED BY:	Issue Date

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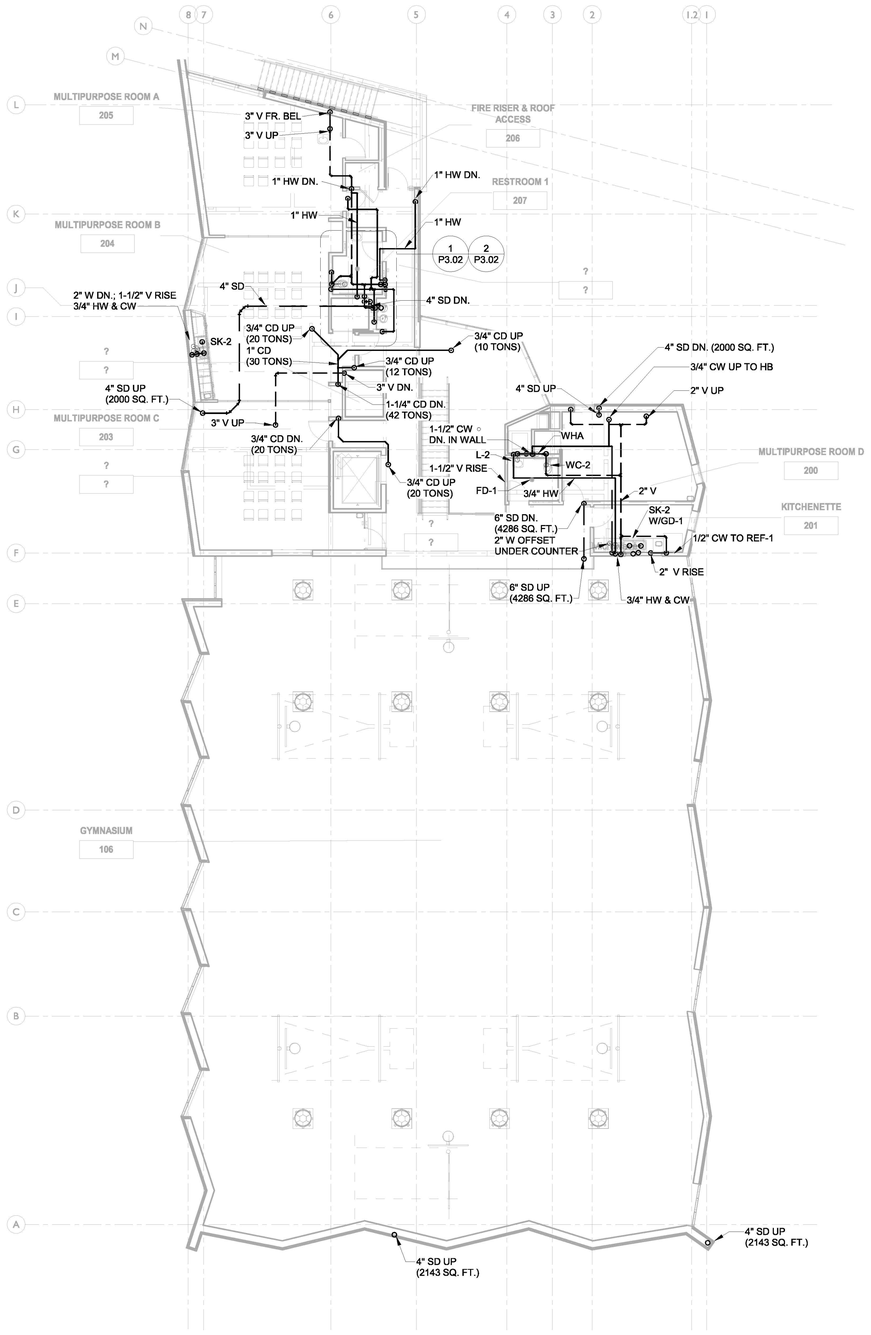
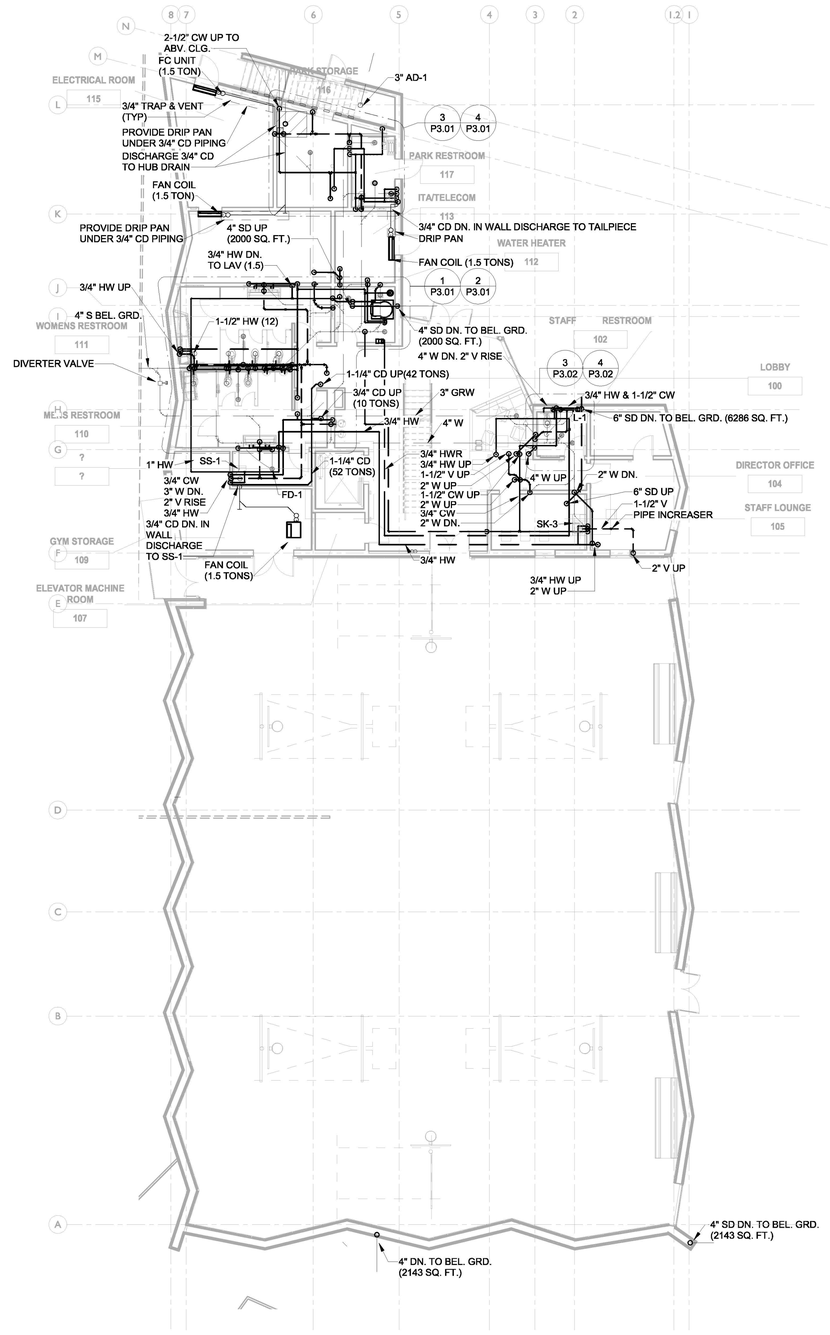


3/32" = 1'-0" PLUMBING PLAN - LEVEL 2 **2**



3/32" = 1'-0" PLUMBING PLAN - LEVEL 1 **1**

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421 East Huntington Drive
Monrovia, California 91016
626.599.8811 Fax 626.599.8866
2140 Pontius Avenue, Los Angeles, CA 90025 ATA
ph 213.444.4747 fax 213.444.4756 lehrerarchitects.com

SK STRUCTURES
421 East Huntington Drive
Monrovia, California 91016
626.599.8811 Fax 626.599.8866

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REGISTERED PROFESSIONAL ENGINEER
NIKOLOS J. KOUKOS
No. M31713
Exp. 6/30/2025
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STATE OF CALIFORNIA

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ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: PLUMBING PLANS - LEVEL 1 & 2

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

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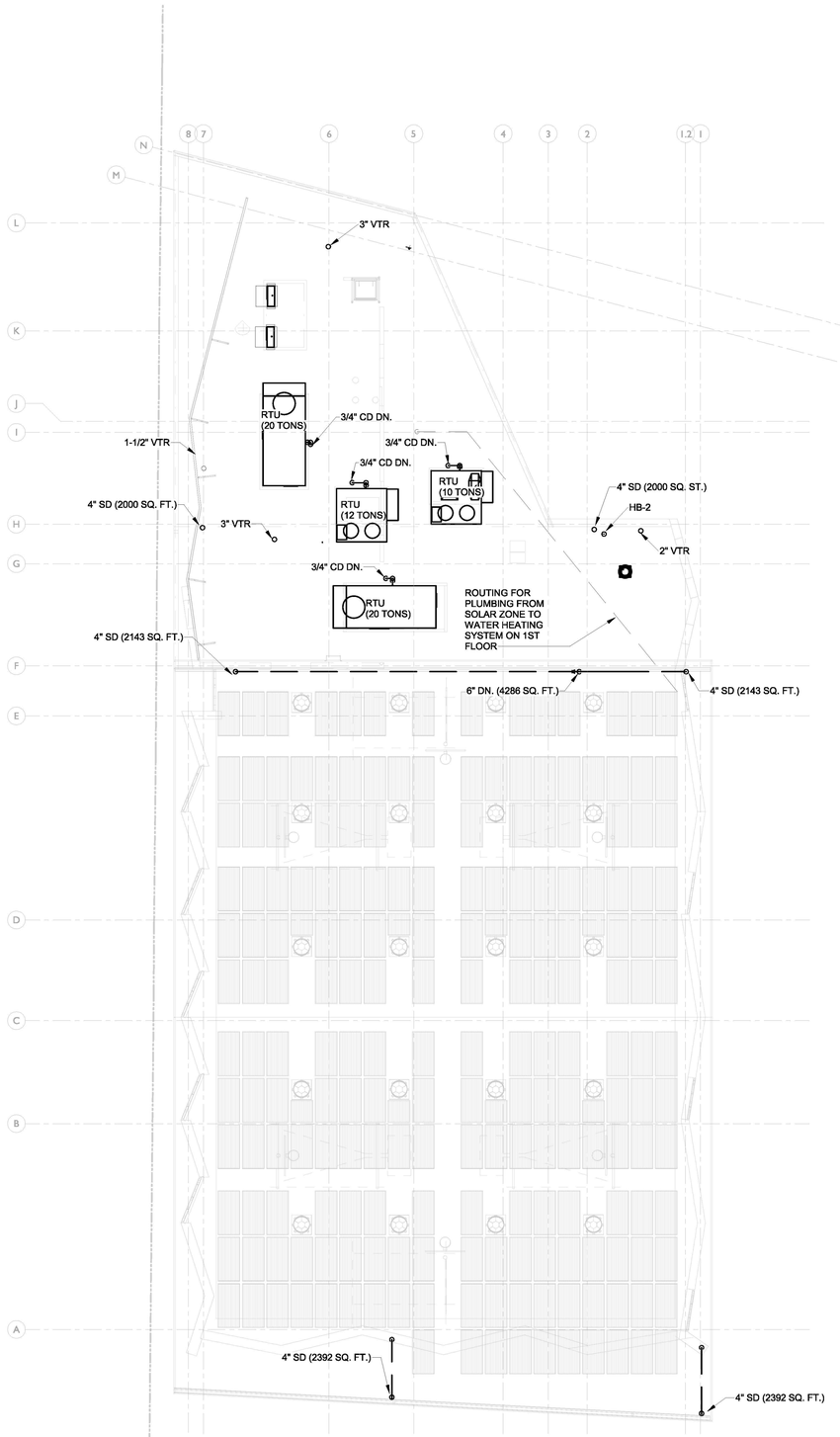

3/32" = 1'-0" PLUMBING PLAN - ROOF

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LEHRER ARCHITECTS LA
421 East Huntington Drive Monrovia California 91016
818.844.6625 Fax 818.844.6626 www.lehrerla.com

SK STRUCTURES
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818.844.6625 Fax 818.844.6626

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No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

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CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP

DATE:

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: PLUMBING PLAN - ROOF

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

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Date		Date		Date		Date	

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. P2.02

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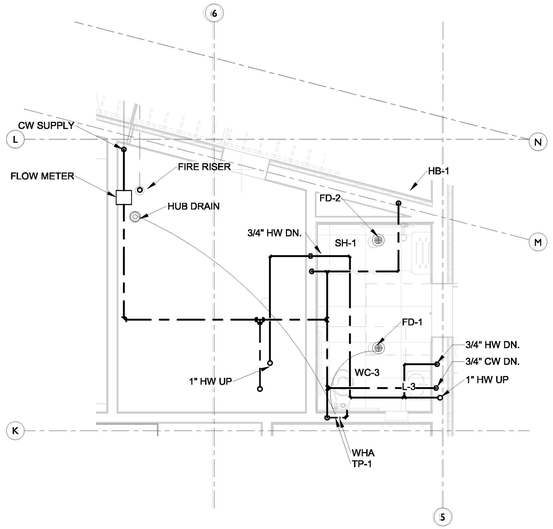
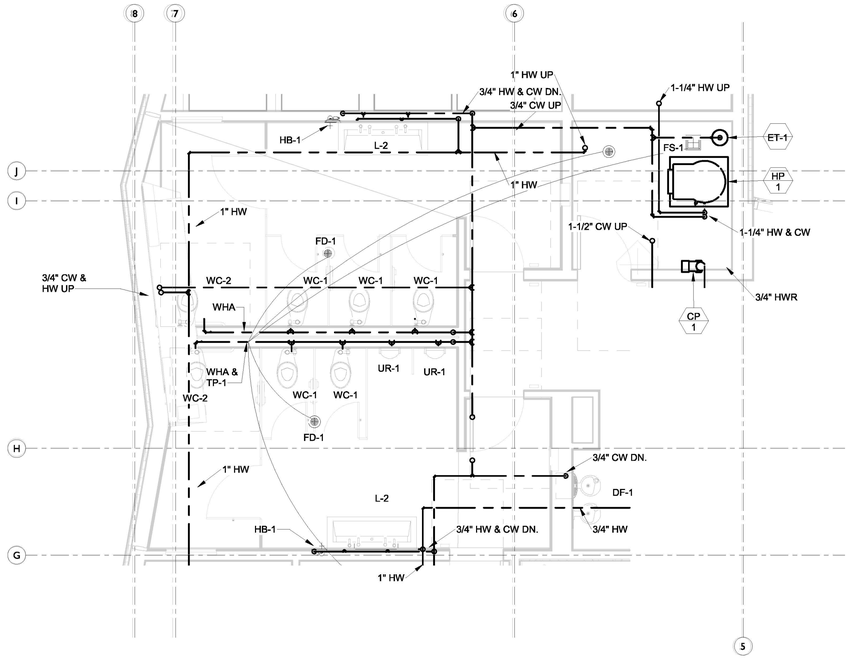
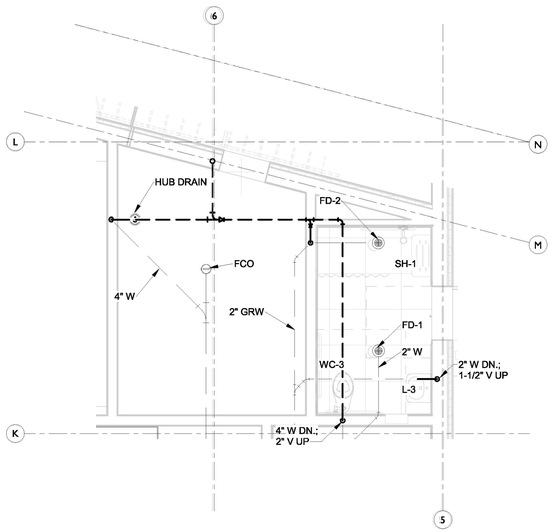


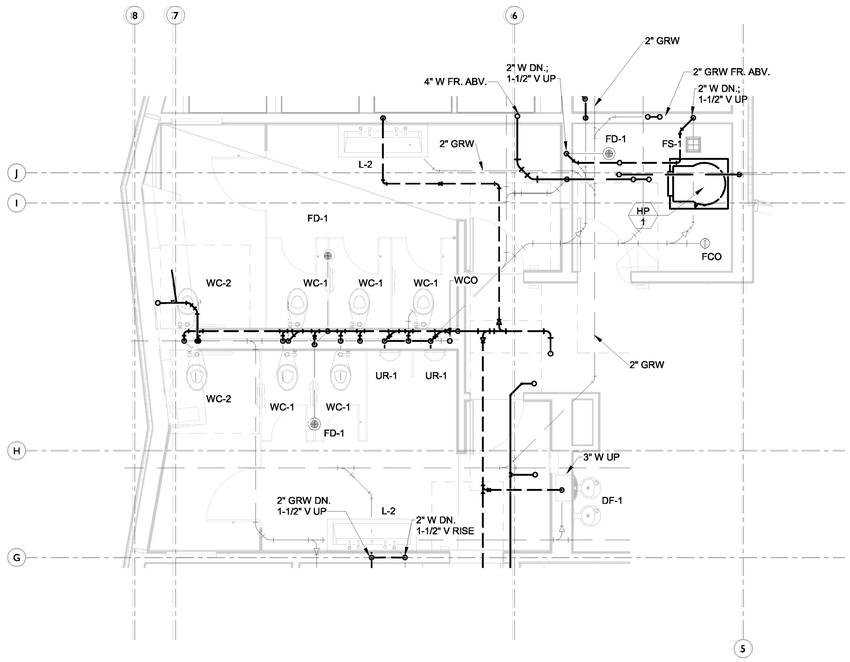
1/4" = 1'-0" ENLARGED PLUMBING PLAN - PARK STORAGE - WATER **4**



1/4" = 1'-0" ENLARGED PLUMBING PLAN - MAIN RESTROOM - WATER **2**



1/4" = 1'-0" ENLARGED PLUMBING PLAN - PARK STORAGE - WASTE & VENT **3**



1/4" = 1'-0" ENLARGED PLUMBING PLAN - MAIN RESTROOM - WASTE & VENT **1**

KEYNOTE LEGEND

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2140 Pontius Avenue, Los Angeles, CA 90025
ph 310.444.9747 fax 310.444.9336 lehrerarchitects.com

SK STRUCTURES
421 East Huntington Drive, Monrovia, California 91016
ph 626.599.9811 fax 626.599.9812

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REGISTERED PROFESSIONAL ENGINEER
NIKOLOS J. KOUKOS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

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	Issue Date
	Issue Date
	Issue Date
	Issue Date
	Issue Date
	Issue Date
	Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED PLUMBING PLANS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

Project Status
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PLAN FILE NO.
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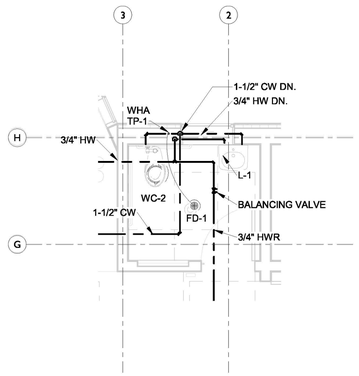
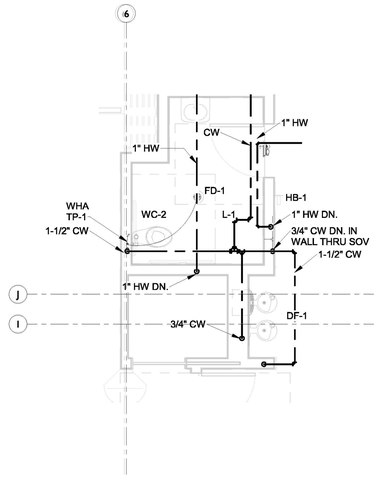
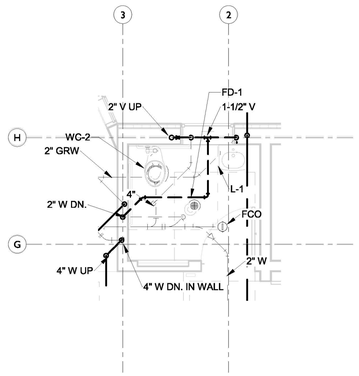


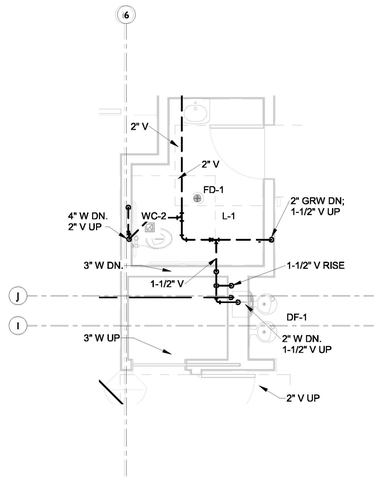
1/4" = 1'-0" ENLARGED PLUMBING PLAN -STAFF RESTROOM - WATER **4**



1/4" = 1'-0" ENLARGED PLUMBING PLAN - LEVEL 2 - WATER **2**



1/4" = 1'-0" ENLARGED PLUMBING PLAN -STAFF RESTROOM - WASTE & VENT **3**



1/4" = 1'-0" ENLARGED PLUMBING PLAN - LEVEL 2 - WASTE & VENT **1**

KEYNOTE LEGEND

BUREAU OF ENGINEERING
OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

CITY OF LOS ANGELES
CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: ENLARGED PLUMBING PLANS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
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ARCHITECTURAL DIVISION
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DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

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REGISTERED PROFESSIONAL ENGINEER
NIKOLOS J. KOUKOS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

LEHRER ARCHITECTS LA
3142 Wilshire Avenue, Los Angeles, CA 90007-4705
ph 213.644.1240 fax 213.644.1256 lehrerarchitects.com

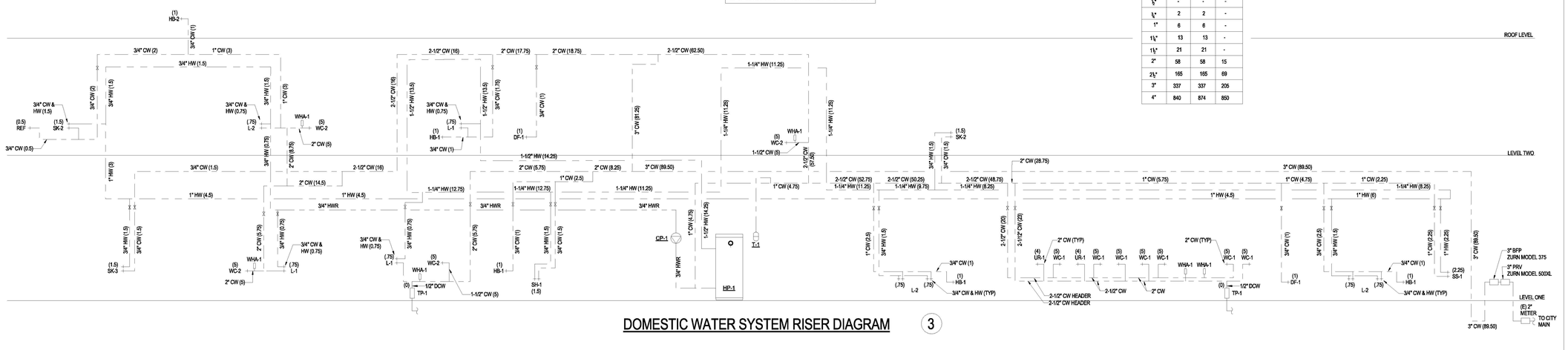
S&K ENGINEERS
421 Fair Hemlock Drive
Sacramento, California 95831
916.486.1611 FAX 916.486.1612

ENGINEERING
CITY OF LOS ANGELES

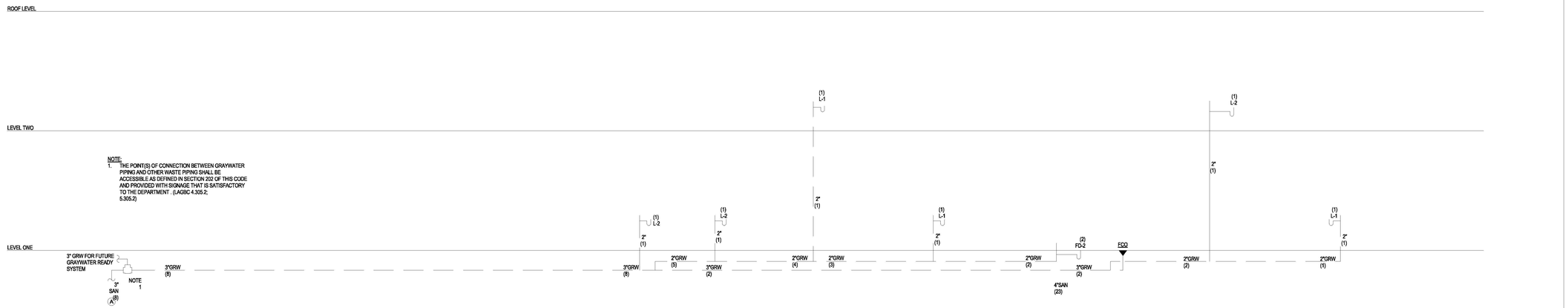
REVISION DATES (DESIGN STAGE ONLY)

TRAP PRIMER SHALL BE PROVIDED AT EACH FLOOR DRAIN, FLOOR SINK AND FUNNEL DRAIN. REFER TO FLOOR PLAN FOR THE TRAP PRIMER LOCATIONS. CONTRACTOR TO COORDINATE WITH ELECTRICAL FOR POWER REQUIREMENTS. TRAP PRIMER SHALL BE INSTALLED AT 12" AFF FOR MAXIMUM 20' OF COVERAGE, 24" AFF FOR MAXIMUM 40' OF COVERAGE.

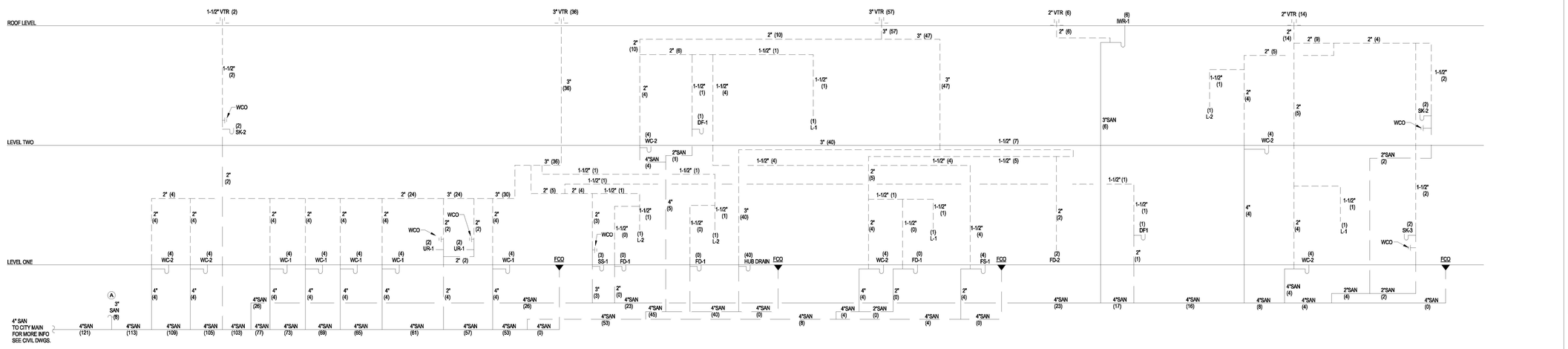
DW PIPE SIZING CHART			
NOM. PIPE SIZE	HW FT FU	CW FT FU	CW FV FU
⅜"	-	-	-
½"	2	2	-
1"	6	6	-
1¼"	13	13	-
1½"	21	21	-
2"	58	58	15
2½"	165	165	69
3"	337	337	205
4"	840	874	850



DOMESTIC WATER SYSTEM RISER DIAGRAM (3)



GRAYWATER SYSTEM RISER DIAGRAM (2)



SANITARY WASTE & VENT SYSTEM RISER DIAGRAM (1)

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THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

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SHEET ISSUE DATE: 12/19/22
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
A PROFESSIONAL CORPORATION
2140 Pacific Coast Highway, Suite 200, Hermosa Beach, CA 90254
ph 310.644.0251 fax 310.644.0256 www.lehrerarchitects.com

SK ENGINEERS
621 East Huntington Drive, Suite 101, Monrovia, California 91016
626.599.9911 www.SKengineers.com

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NIKOLOS J. KOUKOS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

PUBLIC WORKS

DEPARTMENT OF

CITY ENGINEER

DATE:

Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: PLUMBING RISER DIAGRAMS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
P4.01

SHEET OF SHEETS

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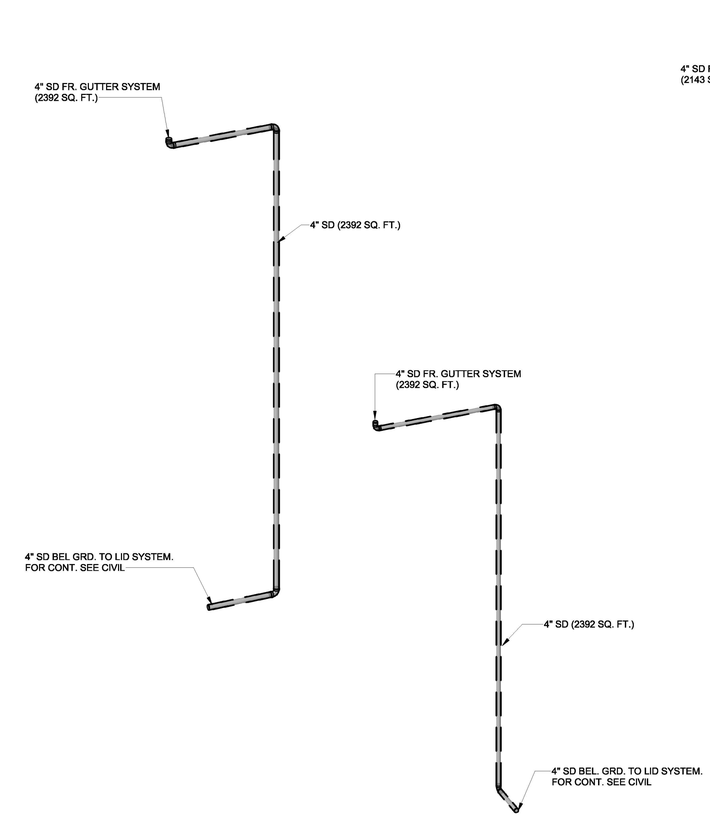
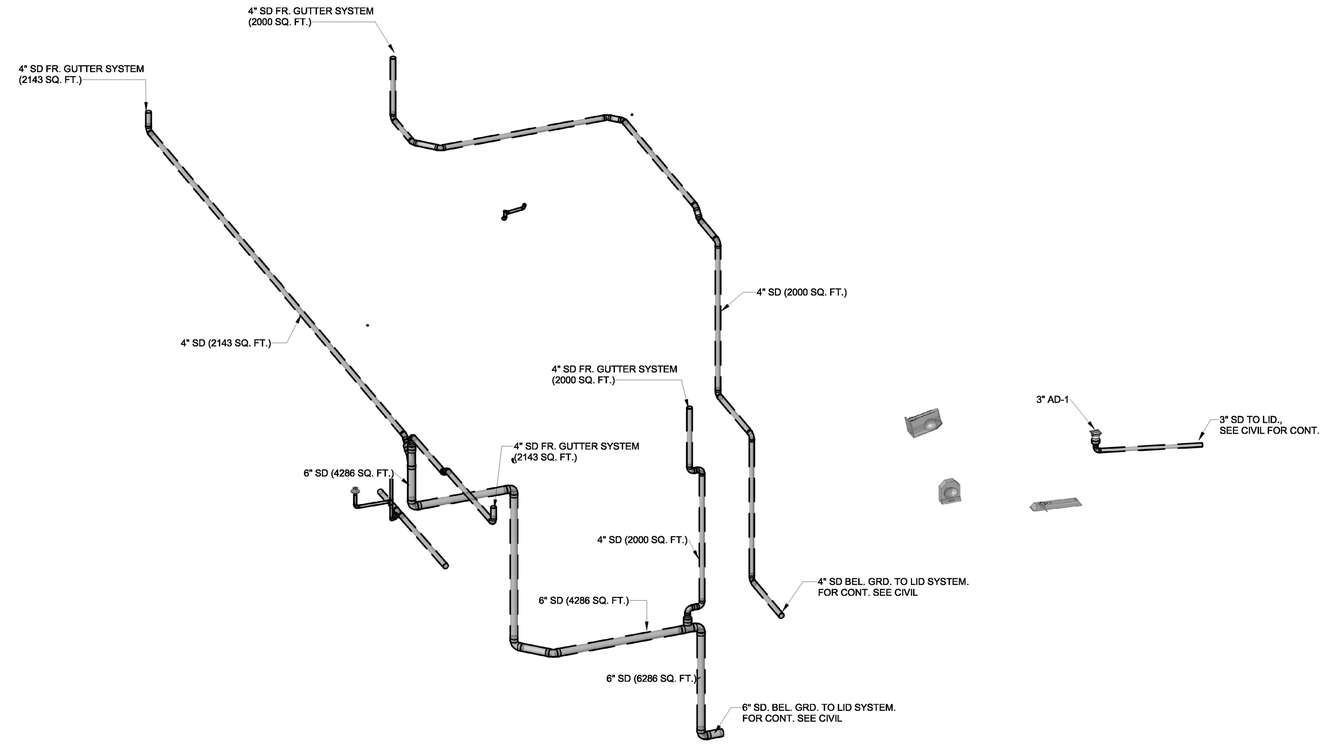
THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

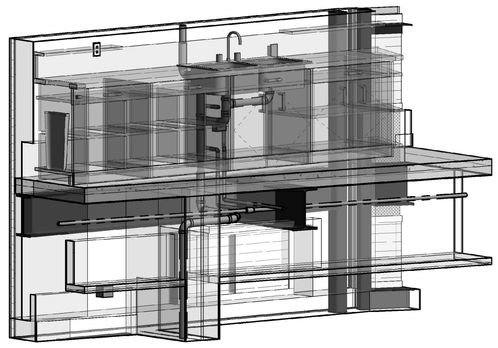
TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 05/11/23
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt



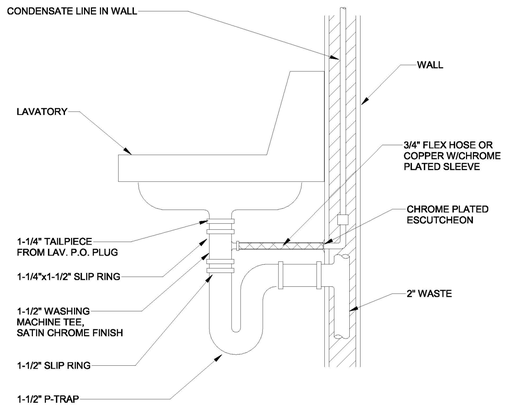
STORM DRAIN SYSTEM RISER DIAGRAMS - SOUTH SIDE



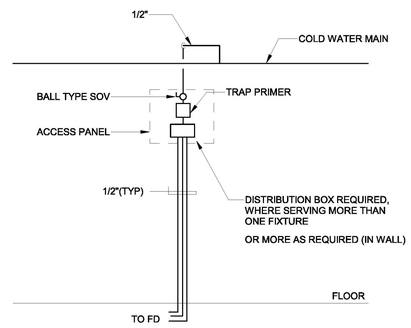
STORM DRAIN SYSTEM RISER DIAGRAMS - NORTH SIDE



MULTIPURPOSE ROOM B PIPING OFFSET 5



NONE CONDENSATE CONN. TO LAV TAILPIECE 2



NONE TRAP PRIMER DETAIL 1

BUREAU OF ENGINEERING
OFFICIAL RECORD

REVISION DATES
(DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
A Professional Corporation
3142 Wilshire Avenue, Los Angeles, CA 90010-1426
ph 213.384.4747 fax 213.384.4336 www.lehrerla.com

SK STRUCTURES
421 East Huntington Drive
Monrovia, California 91016
818.445.8888 FAX 818.445.8885

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NATHAN R. MOORE
No. 32774
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
DATE:

Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: PLUMBING RISER DIAGRAMS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. P4.02

SHEET NO. OF SHEETS

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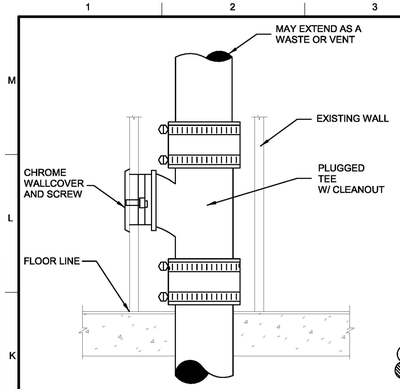
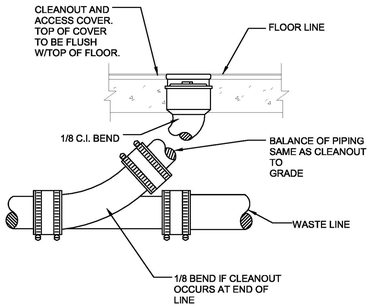
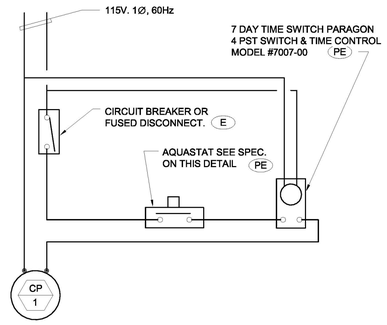


WALL CLEAN-OUT DETAIL



FLOOR CLEAN-OUT DETAIL

NONE TYPICAL CLEANOUT DETAILS | 9



SPECIFICATION
AQUASTAT: HONEYWELL NO. L4006A
40 TO 180 DEGREE F RANGE, 5-30 DEGREE F ADJUSTABLE DIFFERENTIAL

(PE) FURNISHED BY PLUMBER INSTALLED BY ELECTRICAL CONTR.

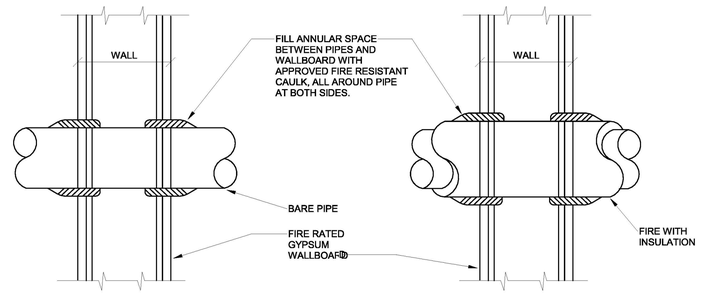
(E) FURNISHED AND INSTALLED BY ELECTRICAL CONTR.

ALL WIRING BY ELECTRICAL CONTR.

PUMP START/STOP AQUASTAT SETTINGS (DEGREES F) :

PUMP #	START	STOP
CP-1	110	120

NONE HW CIRCULATING PUMP AND WIRING DIAGRAM | 6



NOTE: (FOR BARE PIPE)

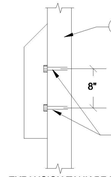
1. PIPE PENETRATION THROUGH FIRE RATED WALLS SHALL BE SEALEDIN COMPLIANCE WITH U.L. FIRE RESISTANCE DIRECTORY SYSTEMS WL1001, WL1002 OR WL1003 AS APPLICABLE. FOR CONCRETE FLOOR OR WALL PENETRATIONS SYSTEMS CAJ1001 OR AS APPLICABLE SHALL BE USED.WL1001 SHOWN

NOTE: (FOR PIPE WITH INSULATION)

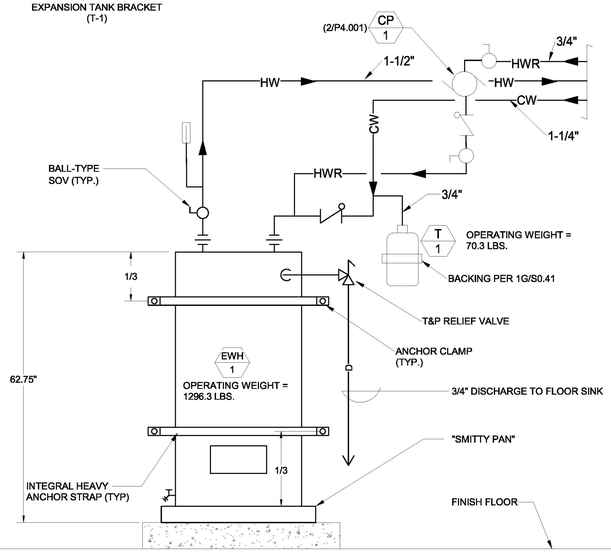
1. PIPE PENETRATION THROUGH FIRE RATED WALLS SHALL BE SEALED IN COMPLIANCE WITH U.L. FIRE RESISTANCE DIRECTORY SYSTEMS WL5001, OR WL5002 AS APPLICABLE. FOR CONCRETE FLOOR OR WALL PENETRATIONS SYSTEMS CAJ5001, CAJ5002, CAJ5003 OR CAJ5005 AS APPLICABLE SHALL BE USED. WL5001 SHOWN

NONE WALL PENETRATION DETAIL | 3

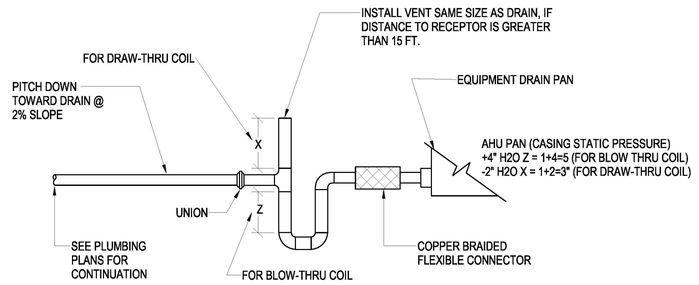
NOTE:
1. SET WATER HEATER TO DELIVER 120°F WATER.
2. PROVIDE "HOLDRITE" SEISMIC RESTRAINTS #QS-120.
3. PROVIDE SMITTY PAN DISCHARGE TO FLOOR SINK.
4. PROVIDE "HOLDRITE" QUICKSTRAP #QS-12 SEISMIC RESTRAINT FOR EXPANSION TANK.
5. ALL OFFSETS, LENGTH, PITCH, CLEARANCES, AND TERMINATIONS THRU ROOF SHALL COMPLY WITH SECTION 516.



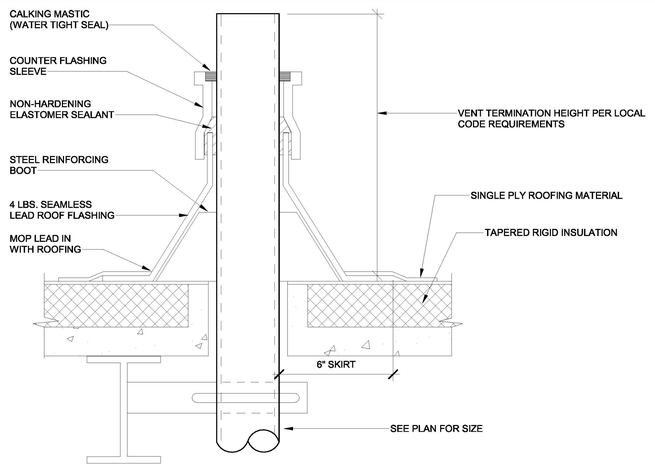
EXPANSION TANK BRACKET (T-1)



NONE DOMESTIC HOT WATER DIAGRAM | 7



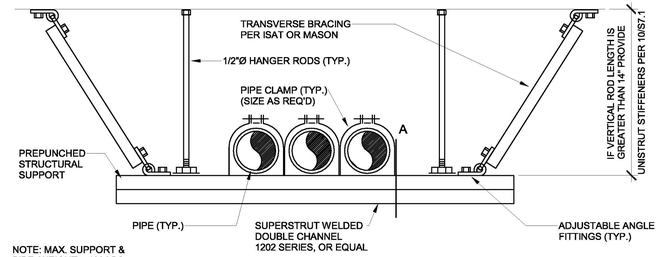
NONE TYPICAL CONDENSATE DRAIN CONNECTION | 5



NOTES:
1. REFER TO ARCH. DWG FOR MORE INFORMATION

NONE TYPICAL VENT OR PIPE THRU ROOF | 4

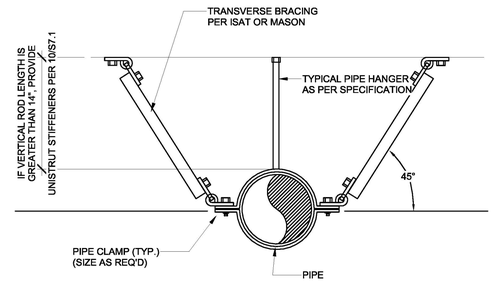
NOTE
1. SEISMIC ANCHORAGE AND BRACING OF ALL PIPING AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL SEISMIC APPLICATION TECHNOLOGY (ISAT) DESIGN STANDARDS, OSHPD PRE-APPROVAL OPA-0485, OR MASON INDUSTRIES, OSHPD PRE-APPROVAL #0349
2. SPACING OF TRAPEZE HANGERS SHALL BE BASED ON THE CLOSEST SPACING REQUIRED BY THE APPLICABLE PRODUCT TRANSPORTED.



NOTE: MAX. SUPPORT & PIPE WEIGHT = 100 LBS.

NONE MULTIPLE PIPE SUPPORT/SWAY BRACING | 2

NOTE
1. SEISMIC ANCHORAGE AND BRACING OF ALL PIPING AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL SEISMIC APPLICATION TECHNOLOGY (ISAT) DESIGN STANDARDS OR MASON INDUSTRIES



NOTE: MAX. SUPPORT & PIPE WEIGHT = 100 LBS.

NONE SINGLE PIPE SUPPORT/SWAY BRACING | 1

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SHEET ISSUE DATE: 09/22/20
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LEHRER ARCHITECTS, LA
421 Fort Rodriguez Drive
Barstow, California 92311
(760) 256-1233 Fax (760) 256-1234
2140 Pontius Avenue, Los Angeles, CA 90025
ph 310.444.9747 fax 310.444.9748 www.lehrerla.com

SSK CONSULTING ENGINEERS
421 Fort Rodriguez Drive
Barstow, California 92311
(760) 256-1233 Fax (760) 256-1234

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
NIKOLOS J. KOUKOS
No. M31713
Exp. 6/30/2025
MECHANICAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER	DATE:
GARY LEE MOORE, P.E., ENV SP	Issue Date
ARCHITECTURAL DIVISION	Issue Date
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115	Issue Date
DESIGNED BY: MBL	Issue Date
DRAWN BY: ARC	Issue Date
CHECKED BY: STAFF	Issue Date
APPROVED BY:	Issue Date

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: PLUMBING DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

WORK ORDER NO. E1908203

PLAN FILE NO.

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SHEET OF SHEETS

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ELECTRICAL ABBREVIATIONS

@	AT
A	AMPERES
A/C	AIR CONDITIONING
AC	ALTERNATING CURRENT
AF	AMP FUSE OR AMP FRAME
AFC	AVAILABLE FAULT CURRENT (SYMMETRICAL)
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
ARCH.	ARCHITECT
AS	AMP SWITCH
AWG	AMERICAN WIRE GAUGE
BKBD	BACKBOARD
C	CONDUIT
C.O.	CONDUIT ONLY
CCR	CALIFORNIA CODE OF REGULATIONS
CKT.	CIRCUIT
CLG.	CEILING
CONN	CONNECT, CONNECTION OR CONNECTED
CU	COPPER
CW	COLD WATER
D	DEPTH
DC	DIRECT CURRENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DISC	DISCONNECT
DN	DOWN
DW	DISHWASHER
DWG.	DRAWING
E	EXISTING
EA.	EACH
ELEC.	ELECTRIC OR ELECTRICAL
EMERG.	EMERGENCY
EQUIP.	EQUIPMENT
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPERES
GD	GARBAGE DISPOSAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
H	HIGH OR HEIGHT
HP	HORSEPOWER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
IG	ISOLATED GROUND
Isc	SHORT CIRCUIT CURRENT
JBOX	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MIL(S)
KVA	KILOVOLT AMPERES
KW	KILOWATT
L	LENGTH
LABOE	LOS ANGELES BUREAU OF ENGINEERING
LADWP	LOS ANGELES DEPARTMENT OF WATER & POWER
LCL	LONG CONTINUOUS LOAD
LED	LIGHT EMITTING DIODE
LOC	LOCATION
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIC.	MICROWAVE
MIN	MINIMUM OR MINUTES
MTD	MOUNTED
MTG	MOUNTING
MTG. HT.	MOUNTING HEIGHT
NA	NOT APPLICABLE
NF	NON FUSIBLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
P	POLE
PV	PHOTOVOLTAIC
PWR.	POWER
QTY.	QUANTITY
RECPT.	RECEPTACLE
REF	REFRIGERATOR
REQ'D	REQUIRED
SCHED	SCHEDULE
SCPB	SCREW COVER PULL BOX
SFD	SMOKE FIRE DAMPER
SHT.	SHEET
SQ. FT.	SQUARE FEET
SW	SWITCH
SWBD.	SWITCHBOARD
SYS.	SYSTEM
TBD	TO BE DETERMINED
TEL	TELEPHONE
TEMP.	TEMPORARY OR TEMPERATURE
TRANSF.	TRANSFORMER
TV	TELEVISION
TYP.	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	VOLT
VA	VOLT AMPERES
VD	VOLTAGE DROP
VL	VERIFY LOCATION
W	WATTS OR WIRE OR WIDE
W/	WITH
WP	WEATHERPROOF

ELECTRICAL LEGEND

GENERAL POWER

- FLUSH WITH CEILING RECEPTACLE, DUPLEX; NEMA 5-20R,
- DUPLEX FLUSH FLOOR RECEPTACLE; NEMA 5-20R.
- 120V, 1PH, 20A DUPLEX RECEPTACLE, WALL MOUNTED AT +15" OC A.F.F (U.O.N.) RECEPTACLE SHALL BE MOTION SENSOR CONTROLLED.
- RECEPTACLE, DUPLEX; NEMA 5-20R, +15" OC A.F.F (U.O.N.).
- RECEPTACLE, QUADRAPLEX; NEMA 5-20R, 15" OC A.F.F. (U.O.N.).
- RECEPTACLE, SINGLE; NEMA 5-20R, 15" OC A.F.F. (U.O.N.).
- S — RECEPTACLE, SINGLE WITH SWITCH; NEMA 5-20R, 15" OC A.F.F. (U.O.N.).
- RECEPTACLE, SPECIAL PURPOSE
  A = 120V, 20A, 1 PHASE, 2-POLE, 3W, NEMA 5-20R.
  B = 208V, 20A, 1 PHASE, 2-POLE, 3W, NEMA 6-20R.
  C = 120V, 30A, 1 PHASE, 2-POLE, 3W, NEMA 5-30R.
  D = 208V, 30A, 1 PHASE, 2-POLE, 3W, NEMA 6-30R.
  E = 208V, 60A, 1 PHASE, 3-POLE, 4W, NEMA 14-60R.
  F = 208V, 30A, 3 PHASE, 3-POLE, 4W, NEMA L21-30R.
  G = 208V, 50A, 3 PHASE, 3 POLE, 4W, NEMA 15-30R.
  H = 208V, 60A, 3 PHASE, 3 POLE, 4W, NEMA 15-60R.
- J — J — JUNCTION BOX
  CIRCLE DESIGNATED JUNCTION BOX CEILING MOUNTED, BRACKET DESIGNATES JUNCTION BOX, WALL MOUNTED AT +15" OC A.F.F (U.O.N)
  CIRCLE AND SQUARE DESIGNATES JUNCTION BOX FLOOR MOUNTED.

POWER AND WIRING DISTRIBUTION

- MOTOR
- Sm Sm_2 Sm_3 — SINGLE, DUAL AND THREE POLE MOTOR SWITCH
- EARTH GROUND
- 100AS 100AF 3P — F — DISCONNECT SWITCH, "AS" INDICATES SWITCH AMPERE RATING "AF" INDICATES FUSE AMPERE RATING, +48" A.F.F (U.O.N).
- STARTER, COMBINATION WITH DISCONNECT SWITCH, +48" A.F.F (U.O.N)
- STARTER OR MOTOR CONTROLLER
- VFD — VARIABLE FREQUENCY DRIVE
- PUSH BUTTON; +48" A.F.F (U.O.N.)
- DISTRIBUTION PANEL OR SWITCHBOARD
- PANELBOARD CABINET, FLUSH MOUNTED
- PANELBOARD CABINET, SURFACE MOUNTED
- FUSE WITH RATING
- 100AS 3P — MOLDED CASE CIRCUIT BREAKER, AMPERE TRIP RATING AND NUMBER OF POLE AS INDICATED.
- SWITCH AND FUSE UNIT
- BRANCH CIRCUIT HOMERUN. LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL AND SWITCH LEG CONDUCTORS. ONE SEPARATE GREEN GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN NOT SHOWN.
- CONDUIT RUN IN OR BELOW FLOOR SLAB OR UNDERGROUND. 1"C. MIN.
- CONDUIT RUN CONCEALED IN WALL OR ABOVE CEILING SPACE. 3/4"C. MIN. (U.O.N).
- CONDUIT STUBBED OUT AND CAPPED.
- XX / X — MECHANICAL EQUIPMENT CALLOUT TAG. ## DESIGNATES UNIT TYPE, # DESIGNATES UNIT NUMBER.
- PANEL — ELECTRICAL EQUIPMENT
- 1 — AN OVAL WITH A NUMBER INSIDE REFERS TO A KEY NOTE ON THE DRAWING WHERE IT IS INDICATED.

GENERAL LIGHTING

- A — INDICATES A REFERENCE TO THE FIXTURE SCHEDULE, TYPE "A" FIXTURE INDICATED.
- EXIT SIGN, WALL MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN.
- EXIT SIGN, CEILING MOUNTED WITH DIRECTIONAL ARROWS AND FACES AS SHOWN.
- OS — CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR.
- OS — WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR.
- S_2 — SWITCH ; +48" A.F.F. (U.O.N.)
  BLANK = SINGLE POLE
  3 = THREE-WAY
  D = DIMMER
  LV = LOW VOLTAGE
  2 = DOUBLE POLE
  4 = FOUR-WAY
  K = KEY OPERATED
  L = LOCK
  a = LOWER CASE LETTER INDICATES SWITCHING

GENERAL COMMUNICATION

- FLUSH FLOOR RECESSED COMBINATION DATA AND NEMA 5-20R DUPLEX RECEPTACLE WITH 1" CONDUIT UP TO ACCESSIBLE CEILING FOR DATA.
- FLUSH FLOOR RECESSED COMBINATION DATA AND NEMA 5-20R DOUBLE DUPLEX RECEPTACLE WITH 1" CONDUIT UP TO ACCESSIBLE CEILING FOR DATA.
- FLUSH FLOOR OUTLET, DATA/COMMUNICATION
- CEILING MOUNTED OUTLET, DATA /COMMUNICATION
- WALL MOUNTED DATA OUTLET, +18" A.F.F (U.O.N)
- WALL MOUNTED COMBINATION VOICE/DATA OUTLET, +18" A.F.F (U.O.N)
- FLUSH FLOOR COMBINATION OUTLET, VOICE/DATA

ELECTRICAL NOTES

1	FOR PURPOSES OF CLARITY AND LEGIBILITY, THE ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC. THE SIZE AND LOCATION OF EQUIPMENT IS SHOWN TO SCALE WHEREVER POSSIBLE. VERIFY ALL CONDITIONS.
2	IN A DOUBLE STUD WALL CONDITION AND WHEREVER POSSIBLE, CONDUIT (AND ALL OTHER SERVICES INCLUDING MECHANICAL, ELECTRICAL AND PLUMBING) SHALL BE RUN ON THE STUD SIDE SERVED.
3	IN DOUBLE STUD WALLS, NO SERVICE, WIRE OR CONDUIT SHALL BE INSTALLED INTO THE AIR SPACE BETWEEN THE STUDS.
4	LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER THOSE SHOWN ON THE ELECTRICAL DRAWINGS. COORDINATE WITH OTHER TRADES FOR ADDITIONAL INFORMATION, EQUIPMENT LOCATION, MOUNTING HEIGHTS, MOUNTING REQUIREMENTS AND MAKE FINAL CONNECTIONS TO ALL ELECTRICAL EQUIPMENT. PROVIDE TEMPORARY ELECTRICAL SERVICE SUITABLE TO CONDUCT CONSTRUCTION. OPERATIONS AND OWNER'S NEEDS FOR CONTINUOUS SERVICE AND OPERATIONS.
5	SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS, FLOORS, ETC., TO MAINTAIN THE FIRE RATING. FURNISH AND INSTALL FIRE RATED ENCLOSURES FOR ALL EQUIPMENT PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.
6	PAINT ALL EXPOSED ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS TO MATCH ADJACENT SURFACES IN FINISHED AREAS. CABINET ENCLOSURES SHALL NOT BE PAINTED.
7	PROVIDE WEATHERPROOF GROUND FAULT INTERRUPTER (GFI) RECEPTACLES WITHIN 25 FEET OF "HVAC" EQUIPMENT, MOUNT RECEPTACLE ON UNISTRUT SUPPORT.
8	MANUAL MOTOR STARTERS FOR FRACTIONAL HORSEPOWER MOTORS SHALL HAVE OVERLOAD PROTECTION. PROVIDE OVERLOAD PROTECTION IN EACH PHASE FOR 3-PHASE MOTORS.
9	ALL ELECTRICAL PANELS TO HAVE FIVE (5) SPARE 3/4" C.O. STUBBED INTO ACCESSIBLE CEILING SPACE.
10	IN ADDITION TO JUNCTION BOXES INDICATED ON DRAWINGS, INSTALL JUNCTION BOXES AND PULL BOXES FOR CABLE SPLICES, CABLE PULLING AND CONNECTIONS NECESSARY FOR THE INSTALLATION OF A COMPLETE OPERATING SYSTEM. IN GENERAL, CONDUIT RUNS OF MORE THAN 100FT. OR WITH MORE THAN THREE RIGHT-ANGLE BENDS, SHALL HAVE A PULL BOX INSTALLED AT A CONVENIENT INTERMEDIATE LOCATION PER BOE SPEC.
11	OUTLET BOXES AND PANELS INSTALLED IN FIRE RATED WALLS AND CEILINGS SHALL NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL OR CEILING AREA. INDIVIDUAL OUTLET BOXES OR FIXTURES SHALL BE STEEL AND NOT GREATER THAN 16 SQUARE INCHES.
12	ALL UTILITIES HOOK-UPS REQUIRED DURING OFF HOURS WILL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST.
13	CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS NECESSARY AND INSPECTION FEE AS REQUIRED BY LOCAL AGENCIES HAVING JURISDICTION.
14	ELECTRICAL BOX PADS SHALL BE INSTALLED ON ALL ELECTRICAL BOXES. IN RATED WALLS ELECTRICAL BOX PAD SHALL COMPLETELY WRAP THE ELECTRICAL BOXES. IF PLASTIC ELECTRICAL BOXES ARE INSTALLED, ANY DAMAGE OR CRACKED ELECTRICAL BOXES SHALL BE REMOVED AND REPLACED.
15	ELECTRICAL BOXES SHALL BE SEALED TO GYMSUM BOARD WITH ACCOUSTICAL SEALANT.
16	THE CONTRACTOR SHALL VISIT THE SITE INCLUDING ALL AREAS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS AND BY SUBMITTING A BID , ACCEPTS THE CONDITIONS UNDER WHICH THE WORK SHALL BE PERFORMED.
17	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COMPLETE SE OF CONTRACT DOCUMENTS, DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL CHECK THE DRAWINGS OF THE OTHER TRADES FOR DUCTS, LINES AND EQUIPMENT AND SHALL CAREFULLY READ THE ENTIRE SPECIFICATIONS AND DETERMINE IT'S RESPONSIBILITIES. FAILURE TO DO SO SHALL NOT RELEASE THE CONTRACTOR FROM DOING THE WORK IN COMPLETE ACCORDANCE WITH THE CONTRACT DOCUMENTS.
18	PERMIT SHALL BE SECURED BY CONTRACTOR NOT BOE. REFER TO GENERAL REQUIREMENTS AND GENERAL CONDITIONS OF BOE SPECS FOR MORE DETAILS. CONTRACTOR SHALL SECURE AND PAY FOR ALL PERMITS, FEES, CHARGES AND INCIDENTAL COSTS NECESSARY FOR EXECUTION AND COMPLETION OF ALL WORK.
19	THE CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER TRADES. ANY COSTS TO INSTALL WORK TO ACCOMPLISH SAID COORDINATION WHICH DIFFERS FROM THE WORK AS SHOWN ON THE CONTRACT DOCUMENTS SHALL BE INCURRED BY THE CONTRACTOR. ANY DISCREPENCIES, AMBIGUITIES OR CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE DURING BID TIME FOR CLARIFICATION. ANY SUCH CONFLICTS NOT CLARIFIED PRIOR TO BID SHALL BE SUBJECT TO THE INTERPRETATION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
20	EXACT ROUTING METHODS AND LOCATION OF CONDUIT PENETRATION AND OPENINGS IN CONCRETE WALLS OR FLOORS OR STRUCTURAL STEEL MEMEBERS SHALL BE DETERMINED BY THE CONTRACTOR. PERFORM CORING, SAWCUTTING, PATCHING AND REFINISHING OF EXISTING WALLS AND SURFACES WHEREVER IT IS NECESSARY TO PENETRATE. OPENINGS SHALL BE SEALED IN AN APPROVED METHOD TO MEET THE FIRE RATING AND WATER PROOFING REQUIREMENTS OF THE PARTICULAR WALL, FLOOR OR CEILING.A LL FIRE SEALS SHALL BE UL APPROVED. CONTRACTOR SHALL SCAN ALL CONCRETE WALLS AND SLABS FOR THE PRESENCE OF REBAR AND /OR UTILITIES PRIOR TO DRILLING OR CUTTING. CONTRACTOR SHALL PROVIDE CERTIFICATION OF CALIBRATION OF CONCRETE SCANNING/X-RAY EQUIPMENT, PRIOR TO PERFORMING WORK. MUST OBTAIN APPROVAL FROM THE STRUCTURAL ENGINEER PRIOR TO CORE, CUT, ATTACH OR DRILL ON ANY STRUCTURAL MEMBER. SUBMIT CONTRACTOR PROPOSED ROUTING TO STRUCTUTAL ENGINEER PRIOR TO WORK BEGIN.
21	SUBMIT LAYOUT DRAWINGS FOR ANY PENETRATIONS NOT CALLED OUT ON THE PLANS. INCLUDE LOCATION OF ADJACENT REBAR AND UTILITIES.
22	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAW CUTTING, TRENCHING, BACKFILLING, COMPACTION AND PATCHING OF CONCRETE AND ASPHALT AS REQUIRED TO PERFORM THE WORK. ATTENTION IS CALLED TO THE FACT THAT THERE MAY BE EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL USE CAUTION WHEN TRENCHING FOR THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER AND APPROVED REPAIR OF ANY AND ALL DAMAGES. TRENCING DEPTH IN EXCESS OF 5'-0" SHALL REQUIRE A DOSH PERMIT.
23	WHENEVER A DISCREPANCY ARISES ON THE DRAWINGS OR IN THE SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL MATERIAL AND SERVICES REQUIRED BY THE STRICTEST CONDITIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS TO ENSURE COMPLETE AND OPERABLE SYSTEMS AS REQUIRED BY THE OWNER'S REPRESENTATIVE.
24	THE TERM "PROVIDE" WHEN USED IN THE CONTEXT OF THE DRAWINGS IS DEFINED AS "FURNISH(ED) AND INSTALL(ED).
25	MULTIWIRE BRANCH CIRCUIT (SHARING NEUTRAL CONDUCTORS) IS NOT ALLOWED ON THIS PROJECT. EVERY CIRCUIT SHALL HAVE ITS OWN NEUTRAL CONDUCTOR. NO EXCEPTIONS.

COMMUNICATION LEGEND

SYMBOL	DESCRIPTION
1 / T1	SECTION A / SHEET T1
	CAP
	CONDUIT CONTINUED
	CONDUIT DOWN
	CONDUIT UP
	CONDUIT RISE OR DROP
J	J-HOOK
	HORIZONTAL SLEEVE
	VERTICAL SLEEVE
	LADDER RACK
	WIREBASKET TRAY (SIZE AS INDICATED)
	CABLE MANAGER FOR EIA EQUIPMENT RACK (SIZE AS INDICATED)
	2 POST RACK (SIZE AS INDICATED)
2	2 PORT CAT6A DATA OUTLET
	IP VIDEO SURVEILLANCE CAMERA FED BY (1) CAT6A CABLE
S	ACCESSIBLE CEILING TILE PAGING SPEAKER
S	CEILING HUNG PAGING SPEAKER

SCOPE OF WORK:

PROVIDE NEW ELECTRICAL SERVICE, NEW ELECTRICAL SERVICE SWITCHBOARD, PANELBOARDS, EMERGENCY LIGHTING INVERTER, POWER AND LIGHTING FOR THIS NEW GROUND-UP HOLLYWOOD RECREATION CENTER.

ELECTRICAL SHEET INDEX

E0.01	ELECTRICAL COVER SHEET
E0.02	SINGLE LINE DIAGRAM
E0.03	PANEL SCHEDULES
E0.04	PANEL SCHEDULES
E0.05	TITLE 24 - INDOOR
E0.06	TITLE 24 - INDOOR
E0.07	TITLE 24 - INDOOR
E0.08	TITLE 24 - OUTDOOR
E0.09	TITLE 24 - OUTDOOR
E0.10	LIGHTING FIXTURE SCHEDULE AND nLIGHT CONTROL LEGEND
E0.11	LADWP ELECTRICAL SERVICE LETTER
E0.12	DELTA CALCULATION
E0.13	EMERGENCY PHOTOMETRIC CALCULATIONS
E1.01	ELECTRICAL SITE PLAN
E1.01A	ELECTRICAL SITE PLAN
E1.02	LADWP SITE PLAN
E2.01	LIGHTING PLANS - LEVEL 1 & 2
E3.01	POWER PLANS - LEVEL 1 & 2
E3.02	POWER PLAN - ROOF
E4.01	COMMUNICATIONS PLANS - LEVELS 1 & 2
E4.02	COMMUNICATIONS RCP PLANS - LEVELS 1 & 2
E5.01	COMMUNICATIONS ENLARGED ROOM PLANS
E6.01	ELECTRICAL DETAILS
E6.02	COMMUNICATIONS DETAILS
E6.03	COMMUNICATIONS DETAILS

APPLICABLE CODES

2019	CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2019	CALIFORNIA BUILDING CODE (VOL 1 & 2) (2018 INTERNATIONAL BUILDING CODE WITH CALIFORNIA AMENDMENTS)
2019	CALIFORNIA ELECTRICAL CODE, PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE WITH 2019 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA MECHANICAL CODE, PART 4, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE WITH 2019 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2019	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS).
2019	CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2019	CALIFORNIA REFERENCE STANDARDS CODE, PART 12, TITLE 24 C.C.R.
2020	CITY OF LOS ANGELES ELECTRICAL CODE.

INSTALL GREEN EQUIPMENT GROUNDING CONDUCTORS, SIZED PER C.E.C. 250 IN ALL CONDUIT, WHETHER SHOWN ON DRAWINGS OR NOT.

BUREAU OF ENGINEERING — OFFICIAL RECORD

LEHRER ARCHITECTS LA
421 East Hellman Drive
Alhambra, California 91801
Tel 626.576.0800 Fax 626.576.0803
3142 Wilshire Boulevard, Los Angeles, CA 90010-1529
ph 213.640.4747 fax 213.640.4748 lehrerarchitects.com

SK ENGINEERS
421 East Hellman Drive
Alhambra, California 91801
Tel 626.576.0800 Fax 626.576.0803

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER — CHIN PLAN — No. E22794 — 12/31/2025 — ELECTRICAL — STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ELECTRICAL COVER SHEET

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

Issue	Issue	Issue	Issue	Issue	Issue	Issue	Issue	Issue	Issue
Date	Date	Date	Date	Date	Date	Date	Date	Date	Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E0.01
SHEET OF SHEETS

PLOTTED:6/20/2024 1:54:13 PM

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TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 09/22/20
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

FIRE ALARM DESIGN/BUILD NOTE:

FIRE ALARM SYSTEM IS DESIGN/BUILD. CONTRACTOR SHALL USE EDWARDS EST-4 FIRE ALARM CONTROL PANEL SYSTEM RECOMMENDED BY RECREATION AND PARKS (RAP).

NOTES:

DO NOT SERIES RATE CIRCUIT BREAKERS ON THIS PROJECT.

NO MULTI-BRANCH CIRCUIT ALLOWED ON THIS PROJECT. EACH CIRCUIT CIRCUIT SHALL HAVE ITS OWN NEUTRAL CONDUCTOR. NO EXCEPTIONS.

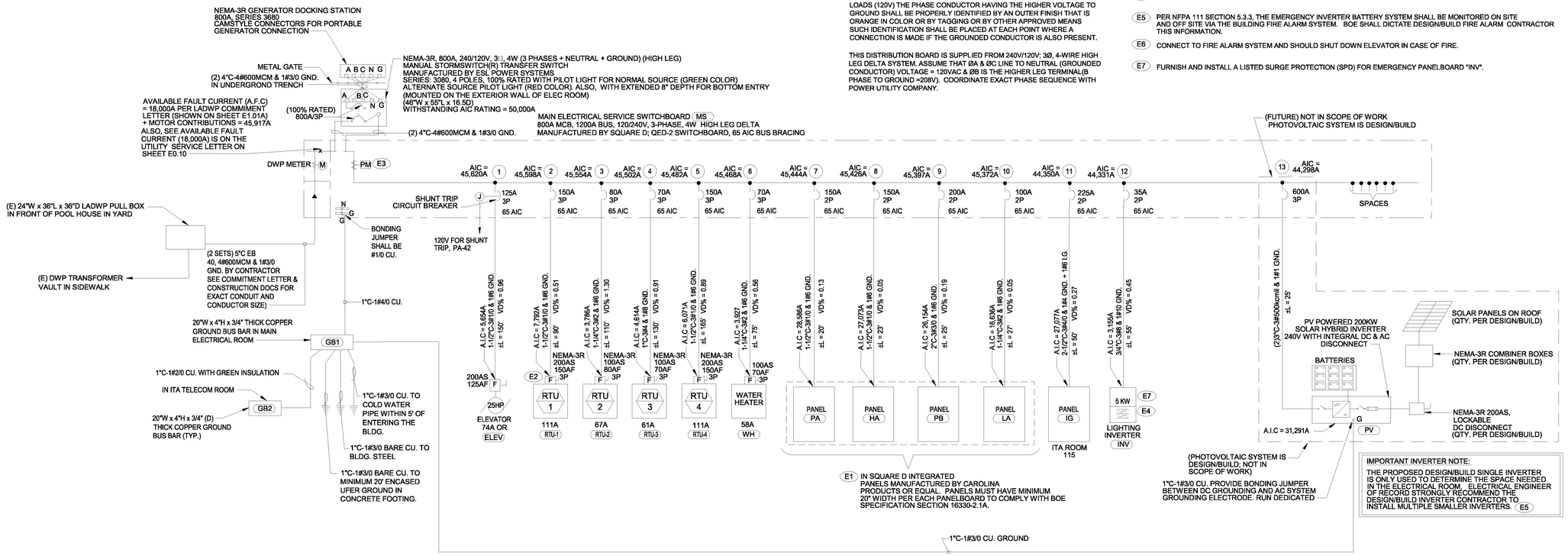
PANELBOARD & SWITCHBOARD NOTE:

ON A 4-WIRE DELTA CONNECTED SECONDARY WHERE THE MIDPOINT OF ONE PHASE WINDING IS GROUNDED TO SUPPLY LIGHTING & SIMILAR LOADS (120V) THE PHASE CONDUCTOR HAVING THE HIGHER VOLTAGE TO GROUND SHALL BE PROPERLY IDENTIFIED BY AN OUTER FINISH THAT IS ORANGE IN COLOR OR BY TAGGING OR BY OTHER APPROVED MEANS SUCH IDENTIFICATION SHALL BE PLACED AT EACH POINT WHERE A CONNECTION IS MADE IF THE GROUNDED CONDUCTOR IS ALSO PRESENT.

THIS DISTRIBUTION BOARD IS SUPPLIED FROM 240V/120V; 3Ø, 4-WIRE HIGH LEG DELTA SYSTEM. ASSUME THAT ØA & ØC LINE TO NEUTRAL (GROUNDED CONDUCTOR) VOLTAGE = 120VAC & ØB IS THE HIGHER LEG TERMINAL(B PHASE TO GROUND =208V). COORDINATE EXACT PHASE SEQUENCE WITH POWER UTILITY COMPANY.

KEY NOTES:

- (E1) PANELS SHOULD HAVE 20" MININUM WIDTH PER BUREAU OF ENGINEERING (BOE) SPECIFICATION 16330-2.1A.
- (E2) NOT USED.
- (E3) SQUARE D ION 8000 POWERLOGIC ELECTRONIC METER WITH CT'S.
- (E4) 4-IE-5-G-BA206-T-M-Z-5YW, 240V, SINGLE PHASE, MANUFACTURERED BY MYERS.
- (E5) PER NFPA 111 SECTION 5.3.3, THE EMERGENCY INVERTER BATTERY SYSTEM SHALL BE MONITORED ON SITE AND OFF SITE VIA THE BUILDING FIRE ALARM SYSTEM. BOE SHALL DICTATE DESIGN/BUILD FIRE ALARM CONTRACTOR THIS INFORMATION.
- (E6) CONNECT TO FIRE ALARM SYSTEM AND SHOULD SHUT DOWN ELEVATOR IN CASE OF FIRE.
- (E7) FURNISH AND INSTALL A LISTED SURGE PROTECTION (SPD) FOR EMERGENCY PANELBOARD "INV".



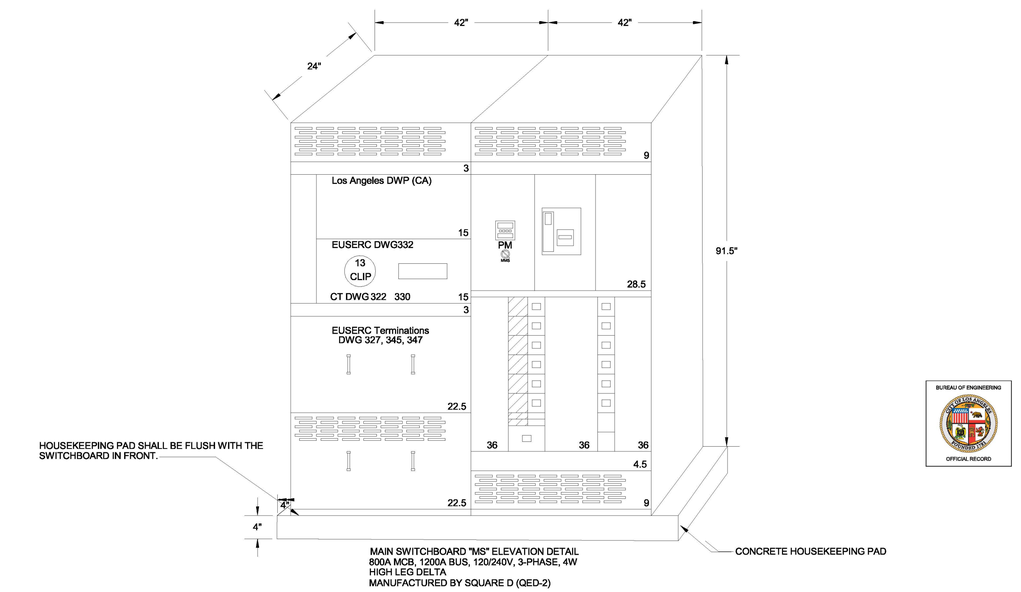
IMPORTANT INVERTER NOTE:

THE PROPOSED DESIGN/BUILD SINGLE INVERTER IS ONLY USED TO DETERMINE THE SPACE NEEDED IN THE ELECTRICAL ROOM. ELECTRICAL ENGINEER OF RECORD STRONGLY RECOMMEND THE DESIGN/BUILD INVERTER CONTRACTOR TO INSTALL MULTIPLE SMALLER INVERTERS. (E5)

LOAD SUMMARY

SEE SHEET E0.12 FOR LOAD CALCULATIONS PER 120/240V, 3□, 4W DELTA SYSTEM IN ACCORDANCE WITH LOS ANGELES ELECTRICAL CODE (EXCERPTS SECTION LAMC 93.0207(n))

SINGLE LINE DIAGRAM



MAIN SWITCHBOARD "MS" ELEVATION DETAIL
800A MCB, 1200A BUS, 120/240V, 3-PHASE, 4W
HIGH LEG DELTA
MANUFACTURED BY SQUARE D (QED-2)

BUREAU OF ENGINEERING
OFFICIAL RECORD

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TTLB TEMPLATE REVISION DATE:: 06/30/2016
SHEET ISSUE DATE:: 09/22/20
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
421 East Huntington Drive, Monrovia, California 91016
818.914.9995 / 626.358.2306

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER CHIN K. CHAN 22794 09/20/2024 STATE OF CALIFORNIA ELECTRICAL

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER

DATE:	
Issue Date	
Issue Date	
Issue Date	
Issue Date	
Issue Date	
Issue Date	

LIC. NO.: C12115

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: SINGLE LINE DIAGRAM

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E0.02
SHEET 0 OF SHEETS

PLOTTED:9/20/2024 1:54:14 PM

Branch Panel: LA

Location: ELECTRICAL ROOM 115
Supply From: MS
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 42,000A
Mains Type:
Mains Rating: 125 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	OFFICE 104, 105, 106	20 A	1	222 VA	656 VA			1	20 A	LEVEL 2 - MULTIPURPOSE ROOMS	2
3	LEVEL 1 - WEST LIGHTING	20 A	1			169 VA	143 VA	1	20 A	LEVEL 2 - LOBBY 100 (F4 FIXTURES)	4
5	LEVEL 1 - LOBBY 100	20 A	1	96 VA	1050 VA			1	20 A	GYMNASIUM 120 LIGHTING	6
7	LEVEL 1 - WEST LIGHTING	20 A	1			341 VA	1050 VA	1	20 A	GYMNASIUM 120 LIGHTING	8
9											10
11							900 VA	1	20 A	GYMNASIUM 120 LIGHTING	12
13											14
15											16
17											18
19											20
21											22
23											24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42
		Total Load:		2024 VA		2604 VA					
		Total Amps:		17 A		22 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	4628 VA	125.00%	5785 VA		
				Total Conn. Load:	4628 VA
				Total Est. Demand:	5785 VA
				Total Conn. Current:	19 A
				Total Est. Demand Current:	24 A

Notes:

Branch Panel: HA

Location: ELECTRICAL ROOM 115
Supply From: MS
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 42,000A
Mains Type:
Mains Rating: 200 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	EF-5 & EF-6	20 A	1	164 VA	120 VA			2	20 A	CU-1	2
3	EF-1, EF-2, EF-3 & EF-4	20 A	1			282 VA	120 VA	--	--	--	4
5	EF-7	20 A	1	468 VA	56 VA			2	15 A	CU-2	6
7	EF-8	20 A	1			468 VA	56 VA	--	--	--	8
9	EF-9	20 A	1	468 VA	56 VA			2	15 A	CU-3	10
11	EF-10	20 A	1			696 VA	56 VA	--	--	--	12
13	EF-11	20 A	1	696 VA	46 VA			2	15 A	CU-4	14
15	EF-12	20 A	1			468 VA	46 VA	--	--	--	16
17											18
19											20
21											22
23											24
25											26
27											28
29											30
31											32
33											34
35											36
37											38
39											40
41											42
		Total Load:		2075 VA		2192 VA					
		Total Amps:		17 A		18 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	4267 VA	104.08%	4441 VA		
				Total Conn. Load:	4267 VA
				Total Est. Demand:	4441 VA
				Total Conn. Current:	18 A
				Total Est. Demand Current:	19 A

Notes:

Branch Panel: PA

Location: ELECTRICAL ROOM 115
Supply From: MS
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 42,000A
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	ELECTRICAL ROOM 117 - GENERAL OUTLETS	20 A	1	360 VA	500 VA			1	20 A	PARK RESTROOM - AUTOFLUSH SYSTEM	2
3	PARK RESTROOM - GENERAL OUTLET	20 A	1			180 VA	800 VA	1	20 A	ITA FUTURE BATTERY ROOM 116	4
5	PARK STORAGE 101	20 A	1	540 VA	800 VA			1	20 A	ITA FUTURE BATTERY ROOM 116	6
7	STAFF LOUNGE 106 - MICROWAVE	20 A	1			1200 VA	270 VA	1	20 A	WATER HEATER 125	8
9	LOBBY 100 - GENERAL OUTLETS	20 A	1	360 VA	300 VA			1	20 A	LOBBY 100 - DRINKING FOUNTAIN	10
11	WOMENS RESTROOM 113 & MENS RESTROO...	20 A	1			720 VA	500 VA	1	20 A	WOMENS RESTROOM 113 - AUTOFLUSH...	12
13	GYM STORAGE 109 - GENERAL OUTLETS	20 A	1	360 VA	500 VA			1	20 A	MENS RESTROOM 112 - AUTOFLUSH SYSTEM	14
15	STAFF LOUNGE 106	20 A	1			720 VA	540 VA	1	20 A	LOBBY 100 - GENERAL OUTLETS	16
17	STAFF OFFICE 104 - WIREMOLD	20 A	1	1500 VA	900 VA			1	20 A	DIRECTOR OFFICE 105	18
19	STAFF OFFICE 104	20 A	1			360 VA	540 VA	1	20 A	STAFF OFFICE 104	20
21	PARK & STAFF STORAGE 101, 102	20 A	1	180 VA	500 VA			1	20 A	STAFF RESTROOM 120 - AUTOFLUSH SYSTEM	22
23	ELECTRICAL ROOM 117 - FA PANEL	20 A	1			180 VA	900 VA	1	20 A	STAFF LOUNGE 106 - REFRIGERATOR	24
25	IRRIGATION CONTROLLER	20 A	1	200 VA	360 VA			1	20 A	EXTERIOR OUTLET OUTSIDE DIRECTOR'S...	26
27	Spare	20 A	1			0 VA	360 VA	1	20 A	EXTERIOR OUTLET OUTSIDE GYM'S EXIT DOOR	28
29	Spare	20 A	1	0 VA	700 VA			1	20 A	GYMNASIUM 120 - WINCH MOTOR	30
31	Space	--	--			0 VA	700 VA	1	20 A	GYMNASIUM 120 - WINCH MOTOR	32
33	Space	--	--	0 VA	700 VA			1	20 A	GYMNASIUM 120 - WINCH MOTOR	34
35	Space	--	--			0 VA	700 VA	1	20 A	GYMNASIUM 120 - WINCH MOTOR	36
37	Space	--	--	0 VA	2740 VA			2	40 A	EV CHANGING STATION	38
39	Space	--	--			0 VA	2740 VA	--	--	--	40
41	Space	--	--	0 VA	100 VA			1	20 A	SHUNT TRIP FOR ELEVATOR	42
		Total Load:		11600 VA		11410 VA					
		Total Amps:		97 A		95 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	90 VA	125.00%	113 VA		
Power	16620 VA	100.00%	16620 VA	**Total Conn. Load:**	23010 VA
Receptacle	720 VA	100.00%	720 VA	**Total Est. Demand:**	23033 VA
				Total Conn. Current:	96 A
				Total Est. Demand Current:	96 A

Notes:

Branch Panel: PB

Location: ELECTRICAL ROOM 115
Supply From: MS
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 42,000A
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	GYMNASIUM 120 - SCOREKEEPER'S STATION	20 A	1	500 VA	1500 VA			1	20 A	MULTIPURPOSE ROOM A 214 - COUNTER	2
3	GYMNASIUM 120 - BEHIND BLEACHERS	20 A	1			360 VA	180 VA	1	20 A	RESTROOM 2 126	4
5	GYMNASIUM 120 - BEHIND BLEACHERS	20 A	1	360 VA	720 VA			1	20 A	MULTIPURPOSE ROOM A 214	6
7	GYMNASIUM 120 - BEHIND BLEACHERS	20 A	1			360 VA	180 VA	1	20 A	MULTIPURPOSE ROOM A 214 - MOTION...	8
9	GYMNASIUM 120	20 A	1	720 VA	1500 VA			1	20 A	MULTIPURPOSE ROOM B 209 - COUNTER	10
11	GYMNASIUM 120	20 A	1			540 VA	696 VA	1	20 A	MULTIPURPOSE ROOM B 209 - G. DISPOSAL	12
13	GYMNASIUM 120	20 A	1	720 VA	360 VA			1	20 A	MULTIPURPOSE ROOM B 209	14
15	GYMNASIUM 120 - WINCH MOTOR	20 A	1			700 VA	180 VA	1	20 A	MULTIPURPOSE ROOM B 209 - MOTION...	16
17	GYMNASIUM 120 - WINCH MOTOR	20 A	1	700 VA	1500 VA			1	20 A	MULTIPURPOSE ROOM C 206 - COUNTER	18
19	ROOF RECEPTACLES	20 A	1			540 VA	500 VA	1	20 A	RESTROOM 2 126	20
21	ELEVATOR CAB LIGHTS & /C	20 A	1	1800 VA	540 VA			1	20 A	MULTIPURPOSE ROOM C 206	22
23	ELEVATOR PIT LIGHT & RECEPTACLE	20 A	1			226 VA	180 VA	1	20 A	MULTIPURPOSE ROOM C 206 - MOTION...	24
25	ELEVATOR MACHINE ROOM RECEPTACLE	20 A	1	180 VA	720 VA			1	20 A	MULTIPURPOSE ROOM D 202	26
27	LEVEL 2 - RESTROOM OUTLETS	20 A	1			540 VA	180 VA	1	20 A	MULTIPURPOSE ROOM D 202 - MOTION...	28
29	LEVEL 2 - DRINKING FOUNTAN	20 A	1	180 VA	500 VA			1	20 A	RESTROOM 1 211 - AUTO FLUSH SYSTEM	30
31	KITCHENETTE 124 - REFRIGERATOR	20 A	1			900 VA	720 VA	1	20 A	GYMNASIUM 120 - SHOT CLOCK	32
33	KITCHENETTE 124 - MICROWAVE	20 A	1	1200 VA	500 VA			1	20 A	GYMNASIUM 120 - SCOREKEEPER'S STATION	34
35	KITCHENETTE 124 - GARBAGE DISPOSAL	20 A	1			696 VA					36
37	KITCHENETTE 124 - GENERAL RECEPT.	20 A	1	750 VA	200 VA			2	20 A	POLE LIGHT	38
39	GYMNASIUM 120 - SHOT CLOCK	20 A	1			720 VA	200 VA	--	--	--	40
41	EXTERIOR OUTLETS	20 A	1	180 VA	211 VA			1	20 A	EXTERIOR WALL MOUNT FIXTURE TYPE "F5"	42
		Total Load:		15521 VA		8578 VA					
		Total Amps:		129 A		71 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	641 VA	125.00%	801 VA		
Power	21142 VA	100.00%	21142 VA	**Total Conn. Load:**	24100 VA
Receptacle	540 VA	100.00%	540 VA	**Total Est. Demand:**	24704 VA
Elevator Equipment	1800 VA	125.00%	2250 VA	**Total Conn. Current:**	100 A
				Total Est. Demand Current:	103 A

Notes:

LA	HA
PA	PB

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LEHRER ARCHITECTS LA
3142 Wilshire Boulevard, Los Angeles, CA 90010-4708
ph 213.644.2400 fax 213.644.2424 lehrerarchitects.com

SK&K ENGINEERS
421 East Huntington Drive, Monrovia, California 91016
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CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
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BUILDING NO. -

INDEX NO. RP-300126

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. E22794
EXP. 12/31/2025
ELECTRICAL
STATE OF CALIFORNIA

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: PANEL SCHEDULES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E0.03
SHEET O F SHEETS

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SHEET ISSUE DATE: 09/22/20
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

Branch Panel: IG

Location: ITA/TELECOM 113
Supply From:
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 42,000A
Mains Type:
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1					1900 VA			2	20 A	LADDER RACK OUTLET	2
3	LADDER RACK OUTLET	20 A	1			1500 VA	1900 VA	--	--	--	4
5	LADDER RACK OUTLET	20 A	1	1500 VA	2500 VA			2	30 A	LADDER RACK OUTLET	6
7	LADDER RACK OUTLET	20 A	1			1500 VA	2500 VA	--	--	--	8
9	ITA/TELECOM ROOM 115 - GENERAL OUTLETS	20 A	1	540 VA							10
11	SECURITY EQUIPMENT	20 A	1			180 VA					12
13	ITA/TELECOM ROOM 115 - DED OUTLET	20 A	1	180 VA							14
15	EQUIPMENT RECEPTACLE	20 A	2			800 VA					16
17	--	--	--	800 VA							18
19	EQUIPMENT RECEPTACLE	20 A	2			800 VA					20
21	--	--	--	800 VA							22
23	EQUIPMENT RECEPTACLE	20 A	2			800 VA					24
25	--	--	--	800 VA							26
27	EQUIPMENT RECEPTACLE	20 A	2			800 VA					28
29	--	--	--	800 VA							30
31	EQUIPMENT RECEPTACLE	20 A	2			800 VA					32
33	--	--	--	800 VA							34
35	EQUIPMENT RECEPTACLE	20 A	2			800 VA					36
37	--	--	--	800 VA							38
39											40
41	LADDER RACK OUTLET	30 A	1	2500 VA							42
			Total Load:	13920 VA		12380 VA					
			Total Amps:	116 A		103 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	16700 VA	100.00%	16700 VA		
				Total Conn. Load:	26300 VA
				Total Est. Demand:	26300 VA
				Total Conn. Current:	110 A
				Total Est. Demand Current:	110 A

Notes:

Lighting Inverter: INV

Location: ELECTRICAL ROOM 115
Supply From: MS
Mounting: Surface
Enclosure: Type 1

Volts: 120/240 Single
Phases: 1
Wires: 3

A.I.C. Rating: 10,000A
Mains Type: MLO
Mains Rating:
MCB Rating: 35 A

Notes:

CKT	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	LEVEL 1 - EMERGENCY LIGHTING	1	20 A	20 A	160 VA	
2	LEVEL 1 - EMERGENCY LIGHTING	1	20 A	20 A	330 VA	
3	LEVEL 2 - EMERGENCY LIGHTING	1	20 A	20 A	375 VA	
4	LEVEL 2 - EMERGENCY LIGHTING	1	20 A	20 A	398 VA	
5						
6						
7	GYMNASIUM EMERGENCY LIGHTING	1	20 A	20 A	1350 VA	
8						
9						
10						
11						
12						
				Total Conn. Load:	2613 VA	
				Total Amps:	11 A	

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	2613 VA	125.00%	3266 VA		
				Total Conn. Load:	2613 VA
				Total Est. Demand:	3266 VA
				Total Conn. Current:	11 A
				Total Est. Demand Current:	14 A

Notes:

IG	INV
-	-

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LEHRER ARCHITECTS LA
3142 Wilshire Boulevard, Los Angeles, CA 90010-4708
ph 213.640.0747 fax 213.640.0706 www.lehrerla.com

SK SYSTEMS
421 East Huntington Drive, Monrovia, California 91016
818.914.8885 F 626.358.0387

ENGINEERING
CITY OF LOS ANGELES

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NO.	DATE	REVISION DESCRIPTION	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. E22794
12/31/2025
ELECTRICAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: PANEL SCHEDULES

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E0.04
SHEET OF SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date

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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6 and §141.0(b)2 for indoor lighting scopes using the prescriptive path.			
Project Name:	Hollywood Recreation Center	**Report Page:**	**(Page 1 of 9)**
Project Address:	1122 COLE AVE., LOS ANGELES, CA 90038	**Date Prepared:**	2024-04-04T17:23:25-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Los Angeles	04	Total Conditioned Floor Area (ft²)	13,188
02	Climate Zone	9	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	2
• Gymnasium					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	13188	N/A	0
☐ New Lighting System - Parking Garage	N/A	0	N/A	0
Total Area of Work (ft²)	13188			

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1	Allowed Lighting Power per §140.6(b) (Watts)					Adjusted Lighting Power per §140.6(a) (Watts)					Compliance Results
	01	02	03	04	05	06	07		08		09
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	**Total Allowed** (Watts)	Total Designed (Watts)	Adjustments PAF Lighting Control Credits §140.6(a)2 (-)		**Total Adjusted** (Watts) *Includes Adjustments		**05 must be >= 08 §140.6**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)		(See Table F)	(See Table P)				
Conditioned		7,721.5			= 7,721.5	≥ 6,671.6		=	6671.6		COMPLIES
Unconditioned					=	≥		=			

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Hollywood Recreation Center	**Report Page:**	**(Page 2 of 9)**
Project Address:	1122 COLE AVE., LOS ANGELES, CA 90038	**Date Prepared:**	2024-04-04T17:23:25-04:00

C. COMPLIANCE RESULTS

Controls Compliance (See Table H for Details)	COMPLIES with Exceptional Conditions
Rated Power Reduction Compliance (See Table Q for Details)	

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

H. Indoor Lighting Controls (Not including PAFs) Permit Applicant Notes	[RESTROOMS] {Multilevel Controls} EXCEPTION 2: Restrooms -- [JANITOR ROOM] {Multilevel Controls} Not Required: Space <100 ft²

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3	Design Watts	Field Inspector	
									Pass	Fail
F1	4" ROUND LED DOWNLIGHT	No	No	13.7	CEC Default	69	No	945.3	☐	☐
F1A	4" ROUND LED DOWNLIGHT	No	No	13.7	CEC Default	1	No	13.7	☐	☐
F2	4' LED LINEAR STRIP	No	No	29	CEC Default	2	No	58	☐	☐
F3	4' LINEAR LED STRIP	No	No	40	CEC Default	25	No	1,000	☐	☐
F4	GLOBE GLASS LED PENDANT	No	No	53	CEC Default	4	No	212	☐	☐
F6	17" ROUND LED GYM LIGHT	No	No	130	CEC Default	29	No	3,770	☐	☐
F7	4' LED LINEAR STRIP	No	No	35.4	CEC Default	19	No	672.6	☐	☐
							Total Designed Watts: CONDITIONED SPACES	6,671.6		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Generated Date/Time:
Report Version: 2019.1.003
Schema Version: rev 20200601
Documentation Software: Energy Code Ace
Compliance ID: 161389
Report Generated: 2024-04-04 14:23:29

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Hollywood Recreation Center	**Report Page:**	**(Page 3 of 9)**
Project Address:	1122 COLE AVE., LOS ANGELES, CA 90038	**Date Prepared:**	2024-04-04T17:23:25-04:00

F. INDOOR LIGHTING FIXTURE SCHEDULE

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

*This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03	
		Field Inspector	
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c)	Pass	Fail
Required > 10,000 SF	See Area/Space Level Controls	☐	☐

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Generated Date/Time:
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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Hollywood Recreation Center	**Report Page:**	**(Page 4 of 9)**
Project Address:	1122 COLE AVE., LOS ANGELES, CA 90038	**Date Prepared:**	2024-04-04T17:23:25-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Sky lit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector	
								Pass	Fail
DIRECTOR'S OFFICE	Office (<=250 square feet)	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
STORAGE	All Other Space Types	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
ELECTRICAL/TELEPHONE ROOM	Electrical Mechancial Telephone Room	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
STAFF OFFICE	Office (<=250 square feet)	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
CIRCULATION CORRIDOR	Corridor	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
CONFERENCE/MEETING ROOM	Convention, Conference, Multipurpose and Meeting Center	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
GOLD ROOM	All Other Space Types	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
GYMNASIUM	Exercise/Fitness Center Gymnasium	Manual ON/OFF	Dimmer	Occupancy Sensor	Included	Included	No	☐	☐
STAFF LOUNGE	Lounge	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
RESTROOMS	Restroom	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	☐	☐
JANITOR ROOM	All Other Space Types	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	☐	☐

Registration Number:
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Generated Date/Time:
Report Version: 2019.1.003
Schema Version: rev 20200601
Documentation Software: Energy Code Ace
Compliance ID: 161389
Report Generated: 2024-04-04 14:23:29

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OFFICIAL RECORD

LEHRER ARCHITECTS LA
3142 Wilshire Boulevard Los Angeles, CA 90010-4726
ph 213.614.0747 fax 213.614.0766 lehrerarchitects.com

SK STRUCTURES
421 East Huntington Drive Monrovia California 91016
818.358.3435 F 626.358.3436

ENGINEERING
CITY OF LOS ANGELES

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NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN K. CHAN
No. E22794
EXP. 6/30/2025
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER:
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: TITLE 24 - INDOOR

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E0.05
SHEET NO OF SHEETS

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REVISION DATES (DESIGN STAGE ONLY)

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Hollywood Recreation Center	**Report Page:**	**(Page 5 of 9)**
Project Address:	1122 COLE AVE., LOS ANGELES, CA 90038	**Date Prepared:**	2024-04-04T17:23:25-04:00

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

LOBBY	Main Entry Lobby	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
COMPUTER CLASSROOM	Classroom, Lecture, or Training Vocational	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
MULTIPURPOSE ROOM	Convention, Conference, Multipurpose and Meeting Center	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2

13

Plan Sheet Showing Daylit Zones:

RESTROOMS	{Multilevel Controls} EXCEPTION 2: Restrooms
JANITOR ROOM	{Multilevel Controls} Not Required: Space <100 ft²

E2,01

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
DIRECTOR'S OFFICE	Office (<=250 square feet)	0.7	173	121.1	No	No
STORAGE	All Other Space Types	0.4	445	178	No	No
ELECTRICAL/TELEPHONE ROOM	Electrical Mechancial Telephone Room	0.4	596	238.4	No	No
STAFF OFFICE	Office (<=250 square feet)	0.7	158	110.6	No	No
CIRCULATION CORRIDOR	Corridor	0.6	580	348	No	No
CONFERENCE/MEETING ROOM	Convention, Conference, Multipurpose and Meeting Center	0.85	485	412.25	No	No
GOLD ROOM	All Other Space Types	0.4	78	31.2	No	No

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance — Report Version: 2019.1.003, Schema Version: rev 20200601 — Compliance ID: 161389, Report Generated: 2024-04-04 14:23:29

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Hollywood Recreation Center	**Report Page:**	**(Page 6 of 9)**
Project Address:	1122 COLE AVE., LOS ANGELES, CA 90038	**Date Prepared:**	2024-04-04T17:23:25-04:00

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

GYMNASIUM	Exercise/Fitness Center Gymnasium	0.5	7,281	3,640.5	No	No
STAFF LOUNGE	Lounge	0.65	116	75.4	No	No
RESTROOMS	Restroom	0.65	612	397.8	No	No
JANITOR ROOM	All Other Space Types	0.4	86	34.4	No	No
LOBBY	Main Entry Lobby	0.85	691	587.35	No	No
COMPUTER CLASSROOM	Classroom, Lecture, or Training Vocational	0.7	383	268.1	No	No
MULTIPURPOSE ROOM	Convention, Conference, Multipurpose and Meeting Center	0.85	1,504	1,278.4	No	No
		TOTALS:	13,188	7,721.5	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance — Report Version: 2019.1.003, Schema Version: rev 20200601 — Compliance ID: 161389, Report Generated: 2024-04-04 14:23:29

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Hollywood Recreation Center	**Report Page:**	**(Page 7 of 9)**
Project Address:	1122 COLE AVE., LOS ANGELES, CA 90038	**Date Prepared:**	2024-04-04T17:23:25-04:00

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title
NRCI-LTI-01-E - Must be submitted for all buildings
NRCI-LTI-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance — Report Version: 2019.1.003, Schema Version: rev 20200601 — Compliance ID: 161389, Report Generated: 2024-04-04 14:23:29

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Hollywood Recreation Center	**Report Page:**	**(Page 8 of 9)**
Project Address:	1122 COLE AVE., LOS ANGELES, CA 90038	**Date Prepared:**	2024-04-04T17:23:25-04:00

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	DIRECTOR'S OFFICE; STORAGE; ELECTRICAL/TELEPHONE ROOM; STAFF OFFICE; CIRCULATION CORRIDOR; CONFERENCE/MEETING ROOM; GOLD ROOM; GYMNASIUM ; STAFF LOUNGE; RESTROOMS; JANITOR ROOM; LOBBY; COMPUTER CLASSROOM; MULTIPURPOSE ROOM
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	GYMNASIUM
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	DIRECTOR'S OFFICE; STORAGE; ELECTRICAL/TELEPHONE ROOM; STAFF OFFICE; CIRCULATION CORRIDOR; CONFERENCE/MEETING ROOM; GOLD ROOM; GYMNASIUM ; STAFF LOUNGE; RESTROOMS; JANITOR ROOM; LOBBY; COMPUTER CLASSROOM; MULTIPURPOSE ROOM

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance — Report Version: 2019.1.003, Schema Version: rev 20200601 — Compliance ID: 161389, Report Generated: 2024-04-04 14:23:29

BUREAU OF ENGINEERING — OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 09/22/20
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
3142 Piermont Avenue Los Angeles, CA 90065-4728
ph 323.644.2787 fax 323.644.2788 lehrerlosangeles.com

SK STEVEN KING ENGINEERING
421 East Huntington Drive
Monrovia California 91016
818.358.3435 F 626.358.0291

BUREAU OF ENGINEERING
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

NO.	DATE	REVISION DESCRIPTION	BY
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER — CHIN P. CHAN — 22794 — 12/31/2025 — ELECTRICAL — STATE OF CALIFORNIA

CITY ENGINEER

DATE:

Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TITLE 24 - INDOOR

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. E0.06

SHEET OF SHEETS

PLOTTED:9/20/2024 1:54:16 PM

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTI-E
Project Name:	Hollywood Recreation Center	**Report Page:** (Page 9 of 9)
Project Address:	1122 COLE AVE., LOS ANGELES, CA 90038	**Date Prepared:** 2024-04-04T17:23:25-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Richard Ma	Documentation Author Signature:
Company: AlfaTech	Signature Date: 11-28-23
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone: 626-803-0148

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation th[illegible]der provides to the building owner at occupancy.

Responsible Designer Name: CHIN. P. CHAN	Responsible Designer Signature:
Company: ALFATECH	Date Signed: 11-28-23
Address: 421 E. HUNTINGTON DRIVE.,	License: E22794
City/State/Zip: MONROVIA, CA 91016	Phone: 626-803-0148

Registration Number:

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance

Generated Date/Time:

Report Version: 2019.1.003
Schema Version: rev 20200601

Documentation Software: Energy Code Ace

Compliance ID: 161389
Report Generated: 2024-04-04 14:23:29

BUREAU OF ENGINEERING
OFFICIAL RECORD

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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
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FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

LEHRER ARCHITECTS LA
3142 Piermont Avenue Los Angeles, CA 90027-4726
ph 323.644.2787 fax 323.644.2788 lehrerarchitects.com

SK STRUCTURES
421 East Huntington Drive
Monrovia California 91016
Office 626.803.0148 Fax 626.803.0149

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. E22794
11/30/2025
ELECTRICAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TITLE 24 - INDOOR

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. E0.07

SHEET NO. OF SHEETS

CITY ENGINEER

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

DATE: Issue Date

PLOTTED:5/30/2024 1:54:16 PM

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTO-E

This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)2L for outdoor lighting scopes using the prescriptive path.

Project Name: HOLLYWOOD RECREATION CENTER PHASE B - MODERN GYMNASIUM — Report Page: Page 1 of 6
Project Address: 1122 COLE AVE., LOS ANGELES, CA 90035 — Date Prepared: 8-2-23

A. GENERAL INFORMATION

01	Project Location (city)	LOS ANGELES	04 Total Illuminated Hardscape Area (ft²)	4,452
02	Climate Zone	13		

03 Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):

☐ LZ-0: Very Low - Undeveloped Parkland ☐ LZ-2: Moderate - Rural Areas ☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐ LZ-1: Low - Developed Parkland ☑ LZ-3: Moderately High - Urban Areas

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2L for alterations.

My project consists of:

01	02
☑ New Lighting System	Must Comply with Allowances from §140.7.
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No

03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100*

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L												Compliance Results		
01		02		03		04		05		06		07		08	09
General Hardscape Allowance §140.7(d)1	+	Per Application §140.7(d)2	+	Sales Frontage §140.7(d)2	+	Ornamental §140.7(d)2	+	Per Specific Area §140.7(d)2	OR	Existing Power §141.0(b)2L	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 Must be ≥ 08**
(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)		(See Table N)				(See Table F)	
553.96	+		+		+		+		OR		=	553.96	≥	155	**COMPLIES**
														Cutoff Compliance (See Table G for Details)	**Not Applicable**
														Controls Compliance (See Table H for Details)	**COMPLIES**

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTO-E
Project Name: HOLLYWOOD RECREATION CENTER PHASE B - MODERN GYMNASIUM — Report Page: Page 2 of 6
Project Address: 1122 COLE AVE., LOS ANGELES, CA 90035 — Date Prepared: 8-2-23

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designed Wattage:

01 Name or Item Tag	02 Complete Luminaire Description		03 Watts per luminaire[1,2]	04 How Wattage is determined	05 Total number luminaires[2]	06 Luminaire Status[3]	07 Excluded per §140.7(a)	08 Design Watts	09 Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	10 Field Inspector Pass	10 Field Inspector Fail
F12	LED STEP LIGHT	☐ Linear	13.5	NA8 Default	10	New	☐	135	NA: <6,200 lume	☐	☐
F13	LED WALL PACK	☐ Linear	20	NA8 Default	1	New	☐	20	NA: <6,200 lume	☐	☐
							Total Designed Watts:	**155**			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).

Reset | Add Row | Remove Last

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope*
[4] *Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).*

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTO-E
Project Name: HOLLYWOOD RECREATION CENTER PHASE B - MODERN GYMNASIUM — Report Page: Page 3 of 6
Project Address: 1122 COLE AVE., LOS ANGELES, CA 90035 — Date Prepared: 8-2-23

G. CUTOFF REQUIREMENTS (BUG)

This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.*

Mandatory Controls

01 Area Description	02 Shut-Off §130.2(c)1	03 Auto-Schedule §130.2(c)2	04 Motion Sensor §130.2(c)3	05 Field Inspector Pass	05 Field Inspector Fail
GENERAL HARDSCAPE	Astronomical Timer	Yes	NA: Wall ≤ 24ft	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

Reset | Add Row | Remove Last

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lost it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

01				
General Hardscape Allowance	"Use it or lose it" Allowances (select all that apply)			
☑	☐ Per Application	☐ Sales Frontage	☐ Ornamental	☐ Per Specific Area
Table I (below)	Table J	Table K	Table L	Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02 Area Description	03 Surface Type	04 Area Wattage Allowance (AWA) Illuminated Area (ft²)	05 AWA Allowed Density (W/ft²)	06 AWA Area Allowance (Watts)	07 Linear Wattage Allowance (LWA) Perimeter Length (lf)	08 LWA Allowed Density (W/lf)	09 LWA Linear Allowance (Watts)	10 Total General AWA + LWA (Watts)
GENERAL HARDSCAPE	Concrete	4,452	0.03	133.56	176	0.4	70.4	203.96

Table Continued

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — NRCC-LTO-E
Project Name: HOLLYWOOD RECREATION CENTER PHASE B - MODERN GYMNASIUM — Report Page: Page 4 of 6
Project Address: 1122 COLE AVE., LOS ANGELES, CA 90035 — Date Prepared: 8-2-23

Reset | Add Row | Remove Last | 0

Initial Wattage Allowance for Entire Site (Watts): 350
Total General Hardscape Allowance (Watts): 553.96

J. LIGHTING ALLOWANCE: PER APPLICATION

This Section Does Not Apply

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL

This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

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YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCI-LTO-01-E - Must be submitted for all buildings.	☐	☐
◉	○	NRCI-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

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REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
3142 Wilshire Avenue Los Angeles, CA 90010-4726
p: 213.614.0747 fax: 213.614.0706 lehrerarchitects.com
SK ENGINEERS
421 East Huntington Drive Monrovia California 91016
818.358.3435 F 626.358.0018

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -
INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER — CHIN PLOCHAN — 22794 — 12/2025 — CIVIL — STATE OF CALIFORNIA

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER
ARCHITECTURAL DIVISION
LIC. NO.: C12115

ARCHITECT: MICHAEL B. LEHRER, FAIA
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TITLE 24 - OUTDOOR

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM
ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E0.08
SHEET O F SHEETS

PLOTTED: 6/20/2024 1:54:17 PM

STATE OF CALIFORNIA

Outdoor Lighting

NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: HOLLYWOOD RECREATION CENTER PHASE B - MODERN GYMNASIUM	Report Page:	Page 5 of 6
Project Address: 1122 COLE AVE., LOS ANGELES, CA 90035	Date Prepared:	8-2-23

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	☐	☐

STATE OF CALIFORNIA

Outdoor Lighting

NRCC-LTO-E (Created 11/19) — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: HOLLYWOOD RECREATION CENTER PHASE B - MODERN GYMNASIUM	Report Page:	Page 6 of 6
Project Address: 1122 COLE AVE., LOS ANGELES, CA 90035	Date Prepared:	8-2-23

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	CHIN CHAN	Documentation Author Signature:	
Company:	ALFATECH	Signature Date:	8-2-23
Address:	421 E. HUNTINGTON DRIVE,	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	MONROVIA, CA 91016	Phone:	(626) 930-1383

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. **The information provided on this Certificate of Compliance is true and correct.**
2. **I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)**
3. **The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.**
4. **The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.**
5. **I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.**

Responsible Designer Name:	CHIN CHAN	Responsible Designer Signature:	
Company :	ALFATECH	Date Signed:	8-2-23
Address:	421 E. HUNTING DRIVE,	License:	E22794
City/State/Zip:	MONROVIA, CA 91016	Phone:	(626) 930-1383

BUREAU OF ENGINEERING OFFICIAL RECORD

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 08/25/22
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
3142 Wilshire Avenue Los Angeles, CA 90010-4726
ph 213.624.4747 fax 213.624.7226 lehrerarchitects.com

SK ENGINEERS
421 East Huntington Drive
Monrovia California 91016
818.358.3435 F 626.358.2837

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER — CHIN K. CHAN — No. E22794 — 12/31/2025 — CIVIL — STATE OF CALIFORNIA

PUBLIC WORKS

CITY ENGINEER

DATE:

Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115

DESIGNED BY: MBL

DRAWN BY: ARC

CHECKED BY: STAFF

APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS

GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: TITLE 24 - OUTDOOR

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. E0.09

SHEET OF SHEETS

PLOTTED:8/30/2024 1:54:17 PM

nLIGHT CONTROL LEGEND

ETS 20	ETS20 Emergency Control Device
FCS 7TSN	FCS 7TSN X FRESCO DEVICE, 7" TOUCH SCREEN
nC 6	NCM 6 RJB Low Voltage Ceiling Mount Sensor, High Bay 360° Lens, Rear RJ-45 Ports
nCM ADCX	NCM ADCX Low Voltage Ceiling Mount Sensor, Photocontrol w/ Auto Dimming; No Wires
nCP 10	NCM PDT 10 Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens
nCP 9	NCM PDT 9 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Small Motion / Standard Range 360° Lens, Rear RJ-45 Ports
N PART KIT	NPARTITION KIT nLight Wired Room Partition, Kit
SW1	NPODA KEY XX Wallpod, Digital keyswitch
n$A 2P DX	NPODMA 2P DX XX nLight Wired Aesthetic Wallpod, 2-Pole, Raise/Lower Dimming Without Wires
n$A 4PD	NPODMA 4P DX XX Low Voltage Push-Button Wallpod, Four Pole, Raise/Lower Dimming Without Wires
n$A D	NPODMA DX XX Low Voltage Push-Button Wallpod, Raise/Lower Dimming Without Wires
nPD	NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
nPD ER	NPP16 D ER EFP Power/Relay Pack, Occupancy Controlled Dimming, UL924 Emergency Operation, External Fault Protection
n$XP D	NWSXA PDT LV DX XX Wall Switch Sensor, Passive Dual Technology, Low Voltage, Raise/Lower Dimming Without Wires
PP SH	PP16 SHUNT Bypass Relay Pack, Shunt
$XPA FAN	WSXA 2P FAN XX Wall Switch Sensor, 2-Pole, Minimum Fan Run Time
$XP	WSXA PDT XX Wall Switch Sensor, Passive Dual Technology
$X	WSXA XX Wall Switch Sensor

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	INPUT VA	LAMPS QTY.	LAMPS WATTS	LAMPS TYPE	LAMPS VOLT.	MOUNTING	MANUFACTURER & CATALOG NO.	REMARKS
F1	4" ROUND LED DOWNLIGHT	13.7	69	13.7	LED	120V	RECESSED	GOTHAM: EVO GENERAL ILLUMINATION 4" ROUND DOWNLIGHT EVO4 35/15 WR MWD 120 EZ1 1500 LUMENS (WHITE COLOR)	1 2 3
F1A	4" ROUND LED DOWNLIGHT	13.7	1	13.7	LED	120V	RECESSED	GOTHAM: EVO GENERAL ILLUMINATION 4" ROUND DOWNLIGHT EVO4 35/15 WR MWD 120 EZ1 1500 LUMENS (WHITE COLOR)	1 2 3 4
F2	4' LED LINEAR STRIP	29	2	29	LED	120V	RECESSED	CORONET: LSR2-4-35-LTG1-UNV-DB-W-NT-SD-ACM	1 2 3
F3	4' LED LINEAR STRIP	40	25	40	LED	120V	RECESSED	CORONET: LSR2-4-35-LTG3-UNV-DB-W-NT-SD-ACM	1 2 3
F4	GLOBE GLASS PENDANT LIGHTING	53	4	53	LED	120V	PENDANT	DELRAY: ARTIC ARL15 W W35 D	1 2 3
F5	NOT USED								
F6	ROUND PENDANT LED HIGH BAY	130	29	130	LED	120V	PENDANT	MAXLITE: HP-130-U-F-50-EM-MSO	1 2 3 5
F7	4' LED LINEAR STRIP	35.4	19	35.4	LED	120V	PENDANT	LITHONIA LIGHTING: CLX L48 5000LM SEF FDL WD 120 GZ 10 4000K 80 CRI N100	1 2 3
F8	LED WALL SCONCE	6.2	1	6.2	LED	120V	SURFACE	EURI LIGHTING: EOL-WL14WH-2050e	1
F11	LED FLOOD LIGHT AT FLAG POLE	31	3	31	LED	120V	INGRADE	LIGMAN: UKI-60781-M-W40-120V-DIM 0-10V-C + TORQ	
F12	RECESSED WALL LIGHT	13.5	10	13.5	LED	120V	RECESSED	LIGMAN: ULE-40611-13.5-A-W30-03-120-DIM	1
F13	LEEDS 3 LARGE SURFACE WEDGE DOWNLIGHT	20	1	20	LED	120V	SURFACE	LIGMAN: ULEW-30021-20W-T2-W40-03-277-F-BPC	1
T	TASK LIGHT	8	1	8	LED	120V	SURFACE	FINELITE: DL-CS-WBC-S-PS-8W	1
X1	EDGE-LIT SINGLE FACE LED EXIT SIGN, DUAL CIRCUIT.		7	1.5	LED	120V	SURFACE		
X2	EDGE-LIT DOUBLE FACE LED EXIT SIGN, DUAL CIRCUIT.		1	1.5	LED	120V	SURFACE		

LIGHTING FIXTURE SCHEDULE NOTES:

1. ALL LIGHTING FIXTURES ARE TO BE FURNISHED COMPLETE WITH ALL NECESSARY MOUNTING HARDWARE, POWER CORDS AND DIMMING BALLAST, ETC FOR A COMPLETE INSTALLATION.
2. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES. ARCHITECTURAL PLANS WILL GOVERN.
3. DARK HATCHED INDICATES EMERGENCY "EM" LIGHTI FIXTURE ARE FED FROM MYERS LIGHTING INVERTER.
4. PROVIDE SHOWER TRIM.
5. VERIFY RECREATION AND PARKS (RAP) BEFORE ORDERING. MUST OBTAIN WRITTEN APPROVAL.

BUREAU OF ENGINEERING
CITY OF LOS ANGELES
OFFICIAL RECORD

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TTLB TEMPLATE REVISION DATE:: 06/30/2016
SHEET ISSUE DATE: 08/23/21
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
3142 Wilshire Avenue, Los Angeles, CA 90010-4726
ph 213.640.0747 fax 213.640.0748 www.lehrerla.com

SK ENGINEERING
421 East Hellman Drive, Alhambra, California 91801
Tel 626.943.6600 Fax 626.943.6610

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN PLAMAN
No. E22794
EXP. 6/30/2025
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

Project Status
PROJECT ISSUE DATE: Issue Date

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
ARCHITECTURAL DIVISION
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: LIGHTING FIXTURE SCHEDULE AND nLIGHT CONTROL LEGEND

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
E0.10
SHEET OF SHEETS

PLOTTED:9/20/2024 1:54:18 PM

LA DWP Los Angeles Department of Water & Power

CUSTOMERS FIRST

Eric Garcetti, Mayor

Board of Commissioners
Cynthia McClain-Hill, President
Susana Reyes, Vice President
Jill Banks Barad
Nicole Neeman Brady
Susan A. Rodriguez, Secretary

Martin L. Adams, General Manager and Chief Engineer

March 15, 2021

Ms. Ashley Fauvre
LEHRER ARCHITECTS LA
2140 Hyperion Av
Los Angeles, CA 90027

Dear Ms. Fauvre:

1122 N Cole Av
CCEST 2011834 / P288518

Enclosed is a plan and requirements describing the electrical facilities required to serve your project. All facilities must be provided and installed in accordance with the Los Angeles Department of Water and Power's (LADWP) electric service requirements and the enclosed plan.

This plan is valid for a period of six months. Any change in loads or design will require you to submit such changes to the Department at the above address for re-evaluation. Please be advised that it is your responsibility to provide a copy of this plan to the contractor or subcontractor responsible for performing the work.

To ensure that power is provided in a timely manner, please schedule the completion of all on-site electrical facilities at your earliest convenience. This work must be installed by your contractor and approved by the DWP 6 weeks prior to your final electrical inspection by the Los Angeles Department of Building and Safety (LADBS). In addition, the DWP will require 10 working days after your application for electric service and all DWP and LADBS releases, to install meters and energize the electric service.

You may track the status of your jobs on the Department's website at *http://wmisweb.ladwp.com/powerwmis*.

For information concerning the design or if you wish to discuss any design changes, please contact our Design Engineer, Mr. Vahe Avedian at (818) 771- 3504.

Sincerely,

Marco Maldonado/HV

Marco Maldonado, District Engineer
Power New Business Development and Technology Applications Division
Service Planning and Customer Support
Metro West Service Planning

c: Vahe Avedian
Area 311
File

Los Angeles LA DWP Department of Water & Power

Customer Service Requirements

1122 N Cole Av
CCEST 2011834 / P288518

NOTIFICATION AND INSPECTION

- The following items are required before the Los Angeles Department of Water and Power (LADWP) can energize your service:
  - ❑ Application for service by ratepayer.
  - ❑ Payment of $10,698 total charges (see Authority to Bill for additional information).
  - ❑ Approval and notification of inspection by the Los Angeles Department of Building and Safety (LADBS).
  - ❑ Inspection and approval of the electric service equipment by an LADWP Electric Service Representative (ESR).
  - ❑ A separate bill to be sent for permit fees once the Los Angeles Department of Public Works issues the permit.
- Notify LADWP, Electric Service Representative (ESR) in Area 312, at (213) 367- 8005, two (2) working days prior to construction.
- To avoid scheduling delays in the installation of LADWP equipment for your project, the contractor must follow the suggested **Time-Lines for Installation of Electric Services** enclosed.

SPECIFICATIONS AND STANDARDS

- Install 2-5" Service (secondary) conduits for power. Conduits will be plastic, encased buried, type EB-35.
- Conduits shall have a minimum cover of 24 inches. Refer to DWP Electric Service Requirements for minimum radius bends and for requirements for terminating conduits in pull boxes.
- When terminating conduit for subsequent connection by the DWP, the depth at the property line must be a minimum of 30 inches below gutter grade for underground distribution facilities.
- Conduit shall be tested with a mandrel provided by the Department. The mandrel shall be drawn through each conduit by hand without mechanical assistance. A minimum 1/2" wide, woven, multi-fiber, polyester ribbon pull tape with permanently printed rated tensile strength (1250 pounds minimum) and footage markings shall be installed in the entire length of each conduit.
- PVC plastic conduit shall be in accordance with ASTM F 512 as last revised. Conduit may be subject to test by the DWP at the request of the DWP's Electric Service Representative.
- All conduits and substructures shall be installed in accordance with DWP's Specifications No. 104, Appendix I & H-168 as last revised.
- The conduit, substructures, and service point(s) shall be located as shown unless changes are approved by DWP's Design Engineer and confirmed by the developer.

MAXIMUM SYMMETRICAL FAULT CURRENT
The maximum available fault current at the proposed service is estimated to be:

Service	Amps	Voltage	Ø-Wire	Fault Current
PS	800A	120/240V	3Ø-4W	18,000A

111 N. Hope Street, Los Angeles, California 90012-2607 Mailing Address: PO Box 51111, Los Angeles, CA 90051-5700
Telephone (213) 367-4211 ladwp.com

PLEASE NOTIFY THE ELECTRICAL ENGINEER OF RECORD TO REQUEST A REVISION OF TWO MONTHS BEFORE THE CONSTRUCTION STARTS. IT'S THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE A MANDOTORY PRE-CONSTRUCTION MEETING WITH LADWP.

BUREAU OF ENGINEERING
OFFICIAL RECORD

LEHRER ARCHITECTS LA
2140 Hyperion Avenue, Los Angeles, CA 90027-4726
ph 323.644.2787 fax 323.644.2788 lehrerarchitects.com

SK STRUCTURES
421 East Huntington Drive, Monrovia, California 91016
818.358.3366 / 626.305.3366

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. E22794
EXP. 6/30/2025
ELECTRICAL
STATE OF CALIFORNIA

PUBLIC WORKS
DEPARTMENT OF
CITY OF LOS ANGELES

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
DATE:

Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: LADWP ELECTRICAL SERVICE LETTER

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E0.11
SHEET 0 OF SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date

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REVISION DATES (DESIGN STAGE ONLY)

TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 03/03/23
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

FOR 120/240V, 3Ø-4W DELTA SYSTEM SERVICE CALCULATION:

FIRST, CONVERT ALL THREE-PHASE (3Ø) LOADS INTO THREE EQUAL PER-PHASE LOADS AND REFLECT THE RESULT IN THE PANEL SCHEDULE BELOW:

ELECTRICAL EQUIP.			
ELEVATOR	74A, 240V, 3Ø	74A x 0.58 = 42.92	AlØ x 240V = 10,301W PER PHASE
RTU-1	111A, 240V, 3Ø	111A x 0.58 = 64.38	AlØ x 240V = 15,451W PER PHASE
RTU-2	67A, 240V, 3Ø	67A x 0.58 = 38.86	AlØ x 240V = 9,326W PER PHASE
RTU-3	61A, 240V, 3Ø	61A x 0.58 = 35.38	AlØ x 240V = 8,491W PER PHASE
RTU-4	111A, 240V, 3Ø	111A x 0.58 = 64.38	AlØ x 240V = 15,451W PER PHASE
WATER HEATER	58A, 240V, 3Ø	58A x 0.58 = 33.64	AlØ x 240V = 8,073W PER PHASE

	A	B	C
1			10301
2	ELEVATOR	150/3P	10301
3			10301
4			
5			15451
6	RTU-1	150/3P	15451
7			15451
8			
9			9600
10	RTU-2	80/3P	9600
11			9600
12			
13			8491
14	RTU-3	70/3P	8491
15			8491
16			
17			15451
18	RTU-4	150/3P	15451
19			15451
20			
21			8073
22	WATER HEATER	70/3P	8073
23			8073
24			
25			

PANEL BOARD SCHEDULE (SINGLE PHASE)

BUS AMPERE RATING: 225A — MAIN TYPE: MLO — PANEL NAME: **PA**
AIC RATING: 42KAIC — MOUNTING: SURFACE — VOLTAGE: 120V/240V 1PH, 3W

LCL	CKT	DESCRIPTION	POLE	Phase A (L3-L1)	PhaseB(L1-L2)	PhaseC(L2-L3) L3-N	PhaseC(L2-L3) N-L2
			AMPS	LOAD IN VOLT AMPS			
	1	ELECTRICAL ROOM 117 - GENERAL OUTLETS	20/1P			360	
	3	PARK RESTROOM - GENERAL OUTLET	20/1P				180
	5	PARK STORAGE 101	20/1P			540	
	7	STAFF LOUNGE 106 - MICROWAVE	20/1P				1200
	9	LOBBY 100 - GENERAL OUTLET	20/1P			360	
	11	WOMENS RESTROOM 113 & MENS RESTROOM	20/1P		``		720
	13	GYM STORAGE 109 - GENERAL OUTLETS	20/1P			360	
	15	STAFF LOUNGE 106	20/1P				720
	17	STAFF OFFICE 104 - WIREMOLD	20/1P			1500	
	19	STAFF OFFICE 104	20/1P				360
	21	PARK & STAFF STORAGE 101, 102	15/1P			180	
	23	ELECTRICAL ROOM 117 - FA PANEL	20/1P				180
	25	IRRIGATION CONTROLLER	20/1P			200	
	27		20/1P				
	29		20/1P				
	31		20/1P				
	33		20/1P				
	35		20/1P				
	37		20/1P				
	39		20/1P				
	41		20/1P				
	2	PARK RESTROOM - AUTOFLUSH SYSTEM	20/1P			500	
	4	ITA FUTURE BATTERY ROOM 116	20/1P				800
	6	ITA FUTURE BATTERY ROOM 116	20/1P			800	
	8	WATER HEATER 125	20/1P				270
	10	LOBBY 100 - DRINKING FOUNTAIN	20/1P			300	
	12	WOMENS RESTROOM 113 - AUTOFLUSH	20/1P				500
	14	MENS RESTROOM 112 - AUTOFLUSH SYSTEM	20/1P			500	
	16	LOBBY 100 - GENERAL OUTLETS	20/1P				540
	18	DIRECTOR OFFICE 105	20/1P			900	
	20	STAFF OFFICE 104	20/1P				540
	22	STAFF RESTROOM 120 - AUTOFLUSH SYSTEM	20/1P			500	
	24	STAFF LOUNGE 106 - REFRIGERATOR	20/1P				900
	26	EXTERIOR OUTLET OUTSIDE DIRECTOR'S	20/1P			360	
	28	EXTERIOR OUTLET OUTSIDE GYM'S EXIT DOOR	20/1P				360
	30	GYMNASIUM 120- WINCH MOTOR	20/1P			700	
	32	GYMNASIUM 120- WINCH MOTOR	20/1P				700
	34	GYMNASIUM 120- WINCH MOTOR	20/1P			700	
	36	GYMNASIUM 120- WINCH MOTOR	20/1P				700
	38	EV CHARGER	40/2P		5480		
	40	EV CHARGER					
	42	SHUNT TRIP FOR ELEVATOR	20/1P			100	

PANEL BOARD SCHEDULE (SINGLE PHASE)

BUS AMPERE RATING: 225A — MAIN TYPE: MLO — PANEL NAME: **HA**
AIC RATING: 42KAIC — MOUNTING: SURFACE — VOLTAGE: 120V/240V 1PH, 3W

LCL	CKT	DESCRIPTION	POLE	Phase A (L3-L1)	PhaseB(L1-L2)	PhaseC(L2-L3) L3-N	PhaseC(L2-L3) N-L2
			AMPS	LOAD IN VOLT AMPS			
	1	EF-5 & EF-6	20/1P			164	
	3	EF-1, EF-2 & EF-4	20/1P				282
	5	EF-7	20/1P			468	
	7	EF-8	20/1P				468
	9	EF-9	20/1P			468	
	11	EF-10	20/1P				696
	13	EF-11	20/1P			696	
	15	EF-12	20/1P				468
	17	SPACE					
	19	SPACE					
	21	SPACE					
	23	SPACE					
	25	SPACE					
	27	SPACE					
	29	SPACE					
	31	SPACE					
	33	SPACE					
	35	SPACE					
	37	SPACE					
	39	SPACE					
	41	SPACE					
	2	CU-1	20/2P	120			
	4						
	6	CU-2	15/2P		56		
	8						
	10	CU-3	15/2P			56	
	12						
	14	CU-4	15/2P	46			
	16						
	18	SPACE					
	20	SPACE					
	22	SPACE					
	24	SPACE					
	26	SPACE					
	28	SPACE					
	30	SPACE					
	32	SPACE					
	34	SPACE					
	36	SPACE					
	38	SPACE					
	40	SPACE					
	42	SPACE					

PANEL BOARD SCHEDULE (SINGLE PHASE)

BUS AMPERE RATING: 225A — MAIN TYPE: MLO — PANEL NAME: **PB**
AIC RATING: 42KAIC — MOUNTING: SURFACE — VOLTAGE: 120V/240V 1PH, 3W

LCL	CKT	DESCRIPTION	POLE	Phase A (L3-L1)	PhaseB(L1-L2)	PhaseC(L2-L3) L3-N	PhaseC(L2-L3) N-L2
			AMPS	LOAD IN VOLT AMPS			
	1	GYMNASIUM 120 - SCOREKEEPER'S STATION	20/1P			100	
	3	GYMNASIUM 120 - BEHIND BLEACHERS	20/1P				360
	5	GYMNASIUM 120 - BEHIND BLEACHERS	20/1P			360	
"	7	GYMNASIUM 120 - BEHIND BLEACHERS	20/1P				360
	9	GYMNASIUM 120	20/1P			720	
	11	GYMNASIUM 120	20/1P				540
	13	GYMNASIUM 120	20/1P			720	
	15	GYMNASIUM 120 - WINCH MOTOR	20/1P				700
	17	GYMNASIUM 120 - WINCH MOTOR	20/1P			700	
	19	ROOF RECEPTACLES	20/1P				540
	21	ELEVATOR CAB LIGHTS AND AC	20/1P			1800	
	23	ELEVATOR PIT LIGHT & RECEPTACLE	20/1P				226
	25	ELEVATOR MACHINE ROOM RECEPTACLE	20/1P			180	
	27	LEVEL 2 - RESTROOM OUTLETS	20/1P				540
	29	LEVEL 2 - DRINKING FOUNTAIN	20/1P			180	
	31	KITCHENETTE 124 - REFRIGERATOR	20/1P				900
	33	KITCHENETTE 124 - MICROWAVE	20/1P			1200	
	35	KITCHENETTE 124 - GARBAGE DISPOSAL.	20/1P				696
	37	KITCHENETTE 124 - GENERAL RECEPT.	20/1P			750	
	39	GYMNASIUM 120 - SHOT CLOCK	20/1P				720
	41	EXTERIOR OUTLETS	20/1P			180	
	2	MULTIPURPOSE ROOM A 214 - COUNTER	20/1P			1500	
	4	RESTROOM 2 126	20/1P				180
	6	MULTIPURPOSE ROOM A 214	20/1P			720	
	8	MULTIPURPOSE ROOM A 214 - MOTION	20/1P				180
	10	MULTIPURPOSE ROOM B 209 - COUNTER	20/1P			1500	
	12	MULTIPURPOSE ROOM B 209 - G. DISPOSAL	20/1P				696
	14	MULTIPURPOSE ROOM B 209	20/1P			360	
	16	MULTIPURPOSE ROOM B 209 - MOTION	20/1P				180
	18	MULTIPURPOSE ROOM C 206 - COUNTER	20/1P			1500	
	20	RESTROOM 2 126	20/1P				500
	22	MULTIPURPOSE ROOM C 206	20/1P			540	
	24	MULTIPURPOSE ROOM C 206 - MOTION	20/1P				180
	26	MULTIPURPOSE ROOM D 202	20/1P			720	
	28	MULTIPURPOSE ROOM D 202 - MOTION	20/1P				180
	30	RESTROOM 1 211 - AUTO FLUSH SYSTEM	20/1P			500	
	32	GYMNASIUM 120 - SHOT CLOCK	20/1P				720
	34						
	36						
*	38	POLE LIGHT	20/2P		200		
	40						
*	42	EXTERIOR WALL MOUNT FIXTURE TYPE "F5"	20/1P			211	

PANEL BOARD SCHEDULE (SINGLE PHASE)

BUS AMPERE RATING: 225A — MAIN TYPE: MLO — PANEL NAME: **LA**
AIC RATING: 42KAIC — MOUNTING: SURFACE — VOLTAGE: 120V/240V 1PH, 3W

LCL	CKT	DESCRIPTION	POLE	Phase A (L3-L1)	PhaseB(L1-L2)	PhaseC(L2-L3) L3-N	PhaseC(L2-L3) N-L2
			AMPS	LOAD IN VOLT AMPS			
*	1	OFFICE 104, 105, 106	20/1P			222	
*	3	LEVEL 1 - WEST LIGHTING	20/1P				169
*	5	LEVEL 1 - LOBBY 100	20/1P			96	
*	7	LEVEL 1 - WEST LIGHTING	20/1P				341
	9	SPACE					
	11	SPACE					
	13	SPACE					
	15	SPACE					
	17	SPACE					
	19	SPACE					
	21	SPACE					
	23	SPACE					
	25	SPACE					
	27	SPACE					
	29	SPACE					
	31	SPACE					
	33	SPACE					
	35	SPACE					
	37	SPACE					
	39	SPACE					
	41	SPACE					
*	2	LEVEL 2 - MULTIPURPOSE ROOMS	20/1P			656	
*	4	LEVEL 2 - LOBBY 100 (F4 FIXTURES)	20/1P				143
*	6	GYMNASIUM 120 LIGHTING	20/1P			1050	
*	8	GYMNASIUM 120 LIGHTING	20/1P				1050
	10						
*	12	GYMNASIUM 120 LIGHTING	20/1P				900
	14	SPACE					
	16	SPACE					
	18	SPACE					
	20	SPACE					
	22	SPACE					
	24	SPACE					
	26	SPACE					
	28	SPACE					
	30	SPACE					
	32	SPACE					
	34	SPACE					
	36	SPACE					
	38	SPACE					
	40	SPACE					
	42	SPACE					

PANEL BOARD SCHEDULE (SINGLE PHASE)

BUS AMPERE RATING: 225A — MAIN TYPE: MLO — PANEL NAME: **IG**
AIC RATING: 42KAIC — MOUNTING: SURFACE — VOLTAGE: 120V/240V 1PH, 3W

LCL	CKT	LOAD DESCRIPTION	POLE	Phase A (L3-L1)	PhaseB(L1-L2)	PhaseC(L2-L3) L3-N	PhaseC(L2-L3) N-L2
			AMPS	LOAD IN VOLT AMPS			
	1	SPARE	20/1P				
	3	LADDER RACK OUTLET	20/1P				1500
	5	LADDER RACK OUTLET	20/1P			1500	
	7	LADDER RACK OUTLET	20/1P				1500
	9	ITA/TELECOM ROOM 115 - GENERAL OUTLETS	20/1P			540	
	11	SECURITY EQUIPMENT	20/1P				180
	13	ITA/TELECOM ROOM 115 - DED OUTLET	20/1P			180	
	15	EQUIPMENT RECEPTACLE	20/2P				
	17				800		
	19	EQUIPMENT RECEPTACLE	20/2P	800			
	21						
	23	SPACE					
	25	SPACE					
	27	EQUIPMENT RECEPTACLE	20/2P				
	29						800
	31	EQUIPMENT RECEPTACLE	20/2P				
	33			800			
	35	EQUIPMENT RECEPTACLE	20/2P		800		
	37						
	39	SPACE					
	41	LADDER RACK OUTLET	30/1P				2500
	2	LADDER RACK OUTLET	20/2P				
	4						3800
	6	LADDER RACK OUTLET	30/2P	5000			
	8						
	10	SPACE					
	12	SPACE					
	14	SPACE					
	16	SPACE					
	18	SPACE					
	20	SPACE					
	22	SPACE					
	24	SPACE					
	26	SPACE					
	28	SPACE					
	30	SPACE					
	32	SPACE					
	34	SPACE					
	36	SPACE					
	38	SPACE					
	40	SPACE					
	42	SPACE					

PANEL BOARD SCHEDULE (SINGLE PHASE)

BUS AMPERE RATING: 225A — MAIN TYPE: MLO — PANEL NAME: **INV**
AIC RATING: SERIES RATED — MOUNTING: SURFACE — VOLTAGE: 120V/240V 1PH, 3W

LCL	CKT	LOAD DESCRIPTION	POLE	Phase A (L3-L1)	PhaseB(L1-L2)	PhaseC(L2-L3) L3-N	PhaseC(L2-L3) N-L2
			AMPS	LOAD IN VOLT AMPS			
*	1	LEVEL 1 - EMERGENCY LIGHTING	20/1P			160	
*	3	LEVEL 2 - EMERGENCY LIGHTING	20/1P				375
	5						
*	7	GYMNASIUM EMERGENCY LIGHTING	20.1P				1350
	9						
	11						
*	2	LEVEL 1 - EMERGENCY LIGHTING	20/1P			330	
*	4	LEVEL 2 - EMERGENCY LIGHTING	20/1P				398
	6						
	8						
	10						
	12						

	DESCRIPTION					
	SUBTOTAL L-N/ LOAD:				26391	28150
	SUB TOTAL LOAD	74133		74133		72079
	LCL L-N LOADS	50		50	506	897
	LML 3PHASE LOADS:	3863		3863		3863
	TOTAL L-N W/LCL				28897	29047
	TOTAL 3PHASE W/LML	78046		78046		75942

1	I(L3-N) =	240.8 A
2	I(L2-N) =	242.1 A
3	I PHASE A =	325.2 A
4	I PHASE B =	327.6 A
5	I PHASE C =	316.4 A

IL1 = ((I PHASE B + I PHASE A) x M1 — 652.8 — X M1
IL2 = ((I PHASE C + I(L2-N))+I PHASE B) x M2 — 886.1 — X M2
IL3 = ((I PHASE C + I(L3-N))+I PHASE A) x M3 — 882.4 — X M3

M1 = I PHASE A/I PHASE B = 1.0
M2 =((PHASE C + I(L2-N))/I PHASE B = 1.7
M3 = ((I PHASE C + I(L3-N))/I PHASE A = 1.7

FOR M1 = 1.1 USE MULTIPLYING FACTOR 0.88
FOR M2 = 1.7 USE MULTIPLYING FACTOR 0.89
FOR M3 = 1.8 USE MULTIPLYING FACTOR 0.88

574
789
777

THE SERVICE ENTRANCE CONDUCTOR, SERVICE EQUIPMENT, FEEDERS AND MAIN SWITCHBOARD AMPACITY SHALL BE NOT LESS THAN 800A.

BUREAU OF ENGINEERING — OFFICIAL RECORD

LEHRER ARCHITECTS LA
3142 Thatcher Avenue, Los Angeles, CA 90292-4726
ph 310.664.0747 fax 310.664.0256 lehrerarchitects.com

SK
421 East Huntington Drive, Monrovia, California 91016
818.357.3255 / 626.305.3255

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER — CHIN P. CHAN — No. C 22794 — EXP. 6/30/2025 — CIVIL — STATE OF CALIFORNIA

PUBLIC WORKS
CITY OF LOS ANGELES

DEPARTMENT OF PUBLIC

GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA — LIC. NO.: C12115
DESIGNED BY: MBL — DATE:
DRAWN BY: ARC — Issue Date
CHECKED BY: STAFF — Issue Date
APPROVED BY: — Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: DELTA CALCULATION

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. E0.12
SHEET — OF — SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date

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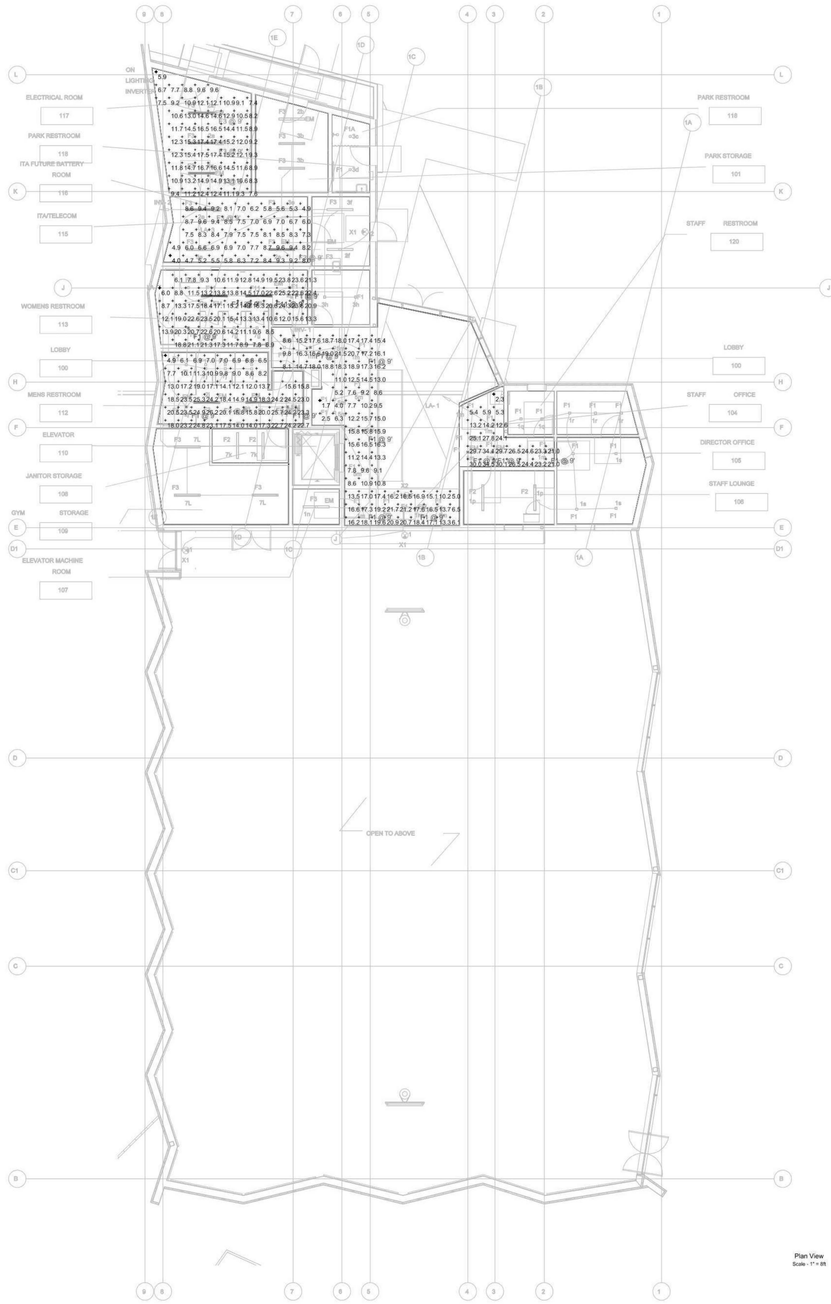
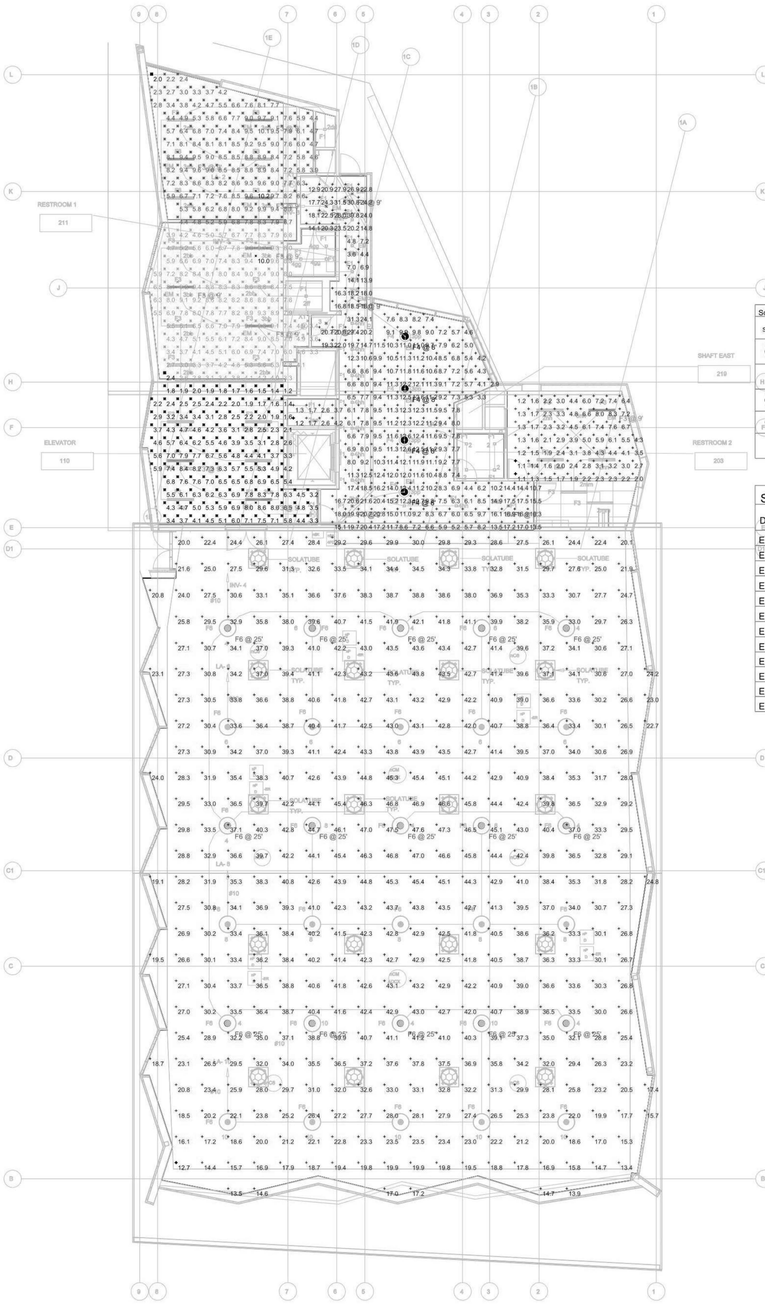
TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 03/03/23
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)



Plan View
Scale - 1" = 8ft



Schedule								
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage
	F1	18	Gotham Architectural Lighting	EVO4 35/15 AR MWD LSS	EVO 4IN ROUND DOWNLIGHT, 80 CRI, 3500K, 1500LM, MED WIDE DIST, CLEAR SEMI-SPEC	1	1451	0.9	13.7
	F3	16	Coronet Inc.	CRT190813163 3-012; Model:LS2 LED 4FT 35K LOW UNV DB W	Linear Luminaire	1	1765	0.9	20
	F4	4	DELRAY LIGHTING INC	ARCTIC GLOBE SILVER 30K	Silver metal cap and frosted glass lens	1	5955	0.9	53.09
	F6	15	SPECGRADELED	HBF-150-4000K-120	HBF SERIES LED HIGH BAY	1	21559	0.9	159.4
	F11	2	Coronet Inc.	CRT190813163 3-012; Model:LS2 LED 4FT 35K LOW UNV DB W	Linear Luminaire	1	1765	0.9	20

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
EMERGENCY - ELECTRICAL ROOM 117	+	12.0 fc	17.5 fc	5.9 fc	3.0:1	2.0:1
EMERGENCY - GYM	+	33.7 fc	47.6 fc	12.7 fc	3.7:1	2.7:1
EMERGENCY - ITA FUTURE BATTERY ROOM 116	+	7.3 fc	9.6 fc	4.0 fc	2.4:1	1.8:1
EMERGENCY - LEVEL 2 CIRCULATION 207	+	11.9 fc	31.5 fc	1.2 fc	26.3:1	9.9:1
EMERGENCY - LOBBY 100	+	14.1 fc	21.7 fc	1.7 fc	12.8:1	8.3:1
EMERGENCY - MENS RESTROOM 112	+	16.4 fc	26.2 fc	4.9 fc	5.3:1	3.3:1
EMERGENCY - MULTIPURPOSE ROOM A 214	X	7.1 fc	10.2 fc	2.0 fc	5.1:1	3.6:1
EMERGENCY - MULTIPURPOSE ROOM B 209	X	6.7 fc	10.0 fc	2.4 fc	4.2:1	2.8:1
EMERGENCY - MULTIPURPOSE ROOM C 206	X	4.6 fc	8.6 fc	1.2 fc	7.2:1	3.8:1
EMERGENCY - MULTIPURPOSE ROOM D 202	+	3.5 fc	8.3 fc	1.1 fc	7.5:1	3.2:1
EMERGENCY - STAFF OFFICE 104	+	21.4 fc	34.5 fc	2.3 fc	15.0:1	9.3:1
EMERGENCY - WOMENS RESTROOM 113	+	15.8 fc	25.2 fc	6.0 fc	4.2:1	2.6:1

BUREAU OF ENGINEERING
OFFICIAL RECORD

LEHRER ARCHITECTS LA
3142 Hyperion Avenue Los Angeles, CA 90027-4726
ph 323.644.0787 fax 323.644.0788 lehrerarchitects.com

S K Structural Engineering
421 East Hellingsen Drive
Altadena, California 91001
818.794.1661 FAX 818.794.5749

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
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BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN PLAN
No. C 22794
EXP. 6/30/2025
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: EMERGENCY PHOTOMETRIC CALCULATIONS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date
CITY OF LOS ANGELES

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E0.13
SHEET O F SHEETS

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REVISION DATES (DESIGN STAGE ONLY)
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TTLB TEMPLATE REVISION DATE: 06/30/2016
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TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 11/10/20
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REVISION DATES (DESIGN STAGE ONLY)

REFER TO EV CHARGING NOTE ON THIS SHEET

PROVIDE DELUXE FLAG POLE SOLAR POWERED - 1300 LUMENS ON TOP OF THE POLE AND PROVIDE FLAG POLE BALL TOPPER ORNAMENT.

nLIGHT DIGITAL KEY SWITCH (CATALOG # nPOD KEY).

2-E1.01A

E31

E38

FOOTPRINT OF FUTURE PHOTOVOLTAIC INVERTER.

E30

1"C-2#10 & 1#10 GND.

E32

E36

1"C-2#10 & 1#10 GND.

PROPOSED SELECTOR SWITCH LOCATIONS FOR (E) BASEBALL FIELD LIGHTING.

SSSS

(SQUARE D KEYED SELECTOR SWITCH; 2-POSITION)
SWITCH #1 NE BASEBALL FIELD
SWITCH #2 NW BASEBALL FIELD
SWITCH #3 SW BASEBALL FIELD
SWITCH #4 SE BASEBALL FIELD

EXISTING LIGHTING FIXTURE TO BE RECONNECTED AND REUSED.

E32

E35

E48

PB- 38,40

(N) 1"C-2#10 & 1#10 GND.

E49

CONTRACTOR TO REMOVE THE (E) LIGHTING CONTROL CONDUIT AND ASSOCIATED CONDUCTORS ENTIRELY UNDER THE NEW GYM.

E35

E32

E48

1"C-2#10 & 1#10 GND.

E32

RE-CONNECT NEW WIRES TO LIGHTING CONTACTORS IS IN THE SCOPE OF WORK.

(E)

PA- 25

(E) SWITCHBOARD FOR BASEBALL FIELD (NOT IN SCOPE OF WORK).

(E)

IRRIGATION CONTROLLER

3/32" = 1'-0" ELECTRICAL SITE PLAN

KEYNOTE LEGEND

E30	CONTRACTOR TO FURNISH AND INSTALL (1) 4"C WITH PULL CABLES FOR COMMUNICATIONS TO PHONE COMPANY'S HANDHOLE OR PULL BOX. SEE PHONE COMPANY'S LOW VOLTAGE CONDUIT PHONE SERVICE CONDUIT DESIGN FOR EXACT CONDUIT ROUTING. QUOTE SHALL
E31	ELECTRICAL METER/MAIN ELECTRICAL SERVICE SWITCHBOARD, "MS", 800A, 120/240V, 3Â", 4W WITH HIGH LEG DELTA.
E32	INGROUND PULL BOX (MR STEEL MODEL #LA2 SIZE 21.25" x 11.375).
E35	CONTRACOR TO SCAN GROUND AND LOCATE (E) UNDERGROUND LIGHTING CONDUIT UNDER THE (E) BASKETBALL COURT AND INTERCEPT AND EXTEND NEW CONDUIT AND ASSOCIATED CONDUCTORS BACK TO ELECTRICAL ROOM.
E36	(E) LADWP HANDHOLE (PULL BOX) IN YARD. SEE MORE INFORMATION ON LADWP COMMITMENT LETTER OR CONSTRUCTION DOCUMENTS.
E38	(2) 4"C WITH PULL WIRE AND PENETRATE THROUGH THE ROOF TO DESIGNATED PHOTOVOLTAIC SOLAR ARRAYS AREA.
E48	(4) 2" CONDUIT TO ACCESSIBLE CEILING AT 2ND FLOOR. CONDUIT TO BE ROUTED WITHIN WALL AT 2ND FLOOR. CONDUIT PATH TO BE USED FOR DISTRIBUTION OF COMMUNICATIONS CABLING AT 2ND FLOOR.
E49	FURNISH AND INSTALL 1-1/4"C-12#8 & 1#10 GND. AND (1) 1"C SPARE (CONDUIT ONLY) WITH PULL WIRE.

GENERAL NOTES

1. PAY LADWP DESIGN FEES USING CITY'S IDO. (INTER-DEPARTMENT ORDER).
2. ALL UNDERGROUND CONDUIT ROUTINGS ARE DIAGRAMMATIC. FOR ELECTRICAL SERVICE, SEE FINAL DWP COMMITMENT LETTER OR CONSTRUCTION DOCUMENTS FOR EXACT UNDERGROUND CONDUIT QUANTITIES, SIZES AND EXACT ROUTING.
3. AVOID ROUTING NEW CONDUIT CLOSE TO EXISTING TREE ROOTS.
4. ROUTING NEW CONDUIT(S) AWAY FROM TREE ROOTS AND DO NOT CUT OR DAMAGING THE EXISTING TREE ROOTS.

EV CHARGING NOTE

1. REFER TO SHEET E6.01, DETAIL 7 FOR EV CHARGING STATION.
2. CONTRACTOR TO INSTALL A COMPLETE AND OPERATABLE LEVEL 2 EV CHARGER SYSTEM THAT IS IN THE SCOPE OF WORK. COORDINATE WITH ARCHITECT AND RECREATION AND PARKS (RAP) FOR THE EXACT MAKE & MODEL IS A MUST.

LEHRER ARCHITECTS LA
3140 Wilshire Blvd. Los Angeles, CA 90010-4726
ph 213.640.0747 fax 213.640.0748 lehrerarchitects.com

SK STRUCTURES
621 East Huntington Drive Monrovia, California 91016
818.358.1885 F 626.358.1886

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CITY OF LOS ANGELES

BUREAU OF ENGINEERING

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INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. E22794
12/02/2025
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER

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Issue	
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Date	
Issue	
Date	
Issue	
Date	

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ELECTRICAL SITE PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E1.01
SHEET 0 OF SHEETS

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 09/09/21
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)

REFER TO EV CHARGING NOTE ON THIS SHEET

ELECTRICAL SERVICE METER/MAIN SWITCHBOARD "MS", 800A, 120/240V, 3Ø, 4W HIGH LEG DELTA WITH NEW LADWP METER.

NEMA-3R, TEMPTAP GENERATOR DOCKING STATION (94"Wx32"Lx15"D) SEE SINGLE LINE DIAGRAM ON SHEET E0.02 FOR MORE INFORMATION.

(2) 4" PVC-4#600MCM & 1#3/0 GND.

F12 TYP.

TAP

MTS

42 42 42 42 42 42 42 42 42 42 42

PB- 42 TO ASTRONOMICAL TIME CLOCK.

F13

NEMA-3R, MANUAL TRANSFER STORMSWITCH (48"Wx60"Lx24.3"D) SEE SINGLE LINE DIAGRAM ON SHEET E0.02 FOR MORE INFORMATION.

2 E1.01A

PROPOSED SELECTOR SWITCH LOCATIONS FOR (E) BASEBALL FIELD LIGHTING.

SSSS

CONTRACTOR TO REMOVE THE (E) LIGHTING CONTROL CONDUIT AND ASSOCIATED CONDUCTORS ENTIRELY UNDER THE NEW GYM.

RE-CONNECT NEW WIRES TO LIGHTING TO MAKE A COMPLETE AND OPERABLE LIGHTING CONTROL SYSTEM FOR THE (E) BASEBALL FIELD OUTDOOR SPORTS LIGHTS, LIGHTING CONTACTORS, ARE IN THE SCOPE OF WORK.

(E)

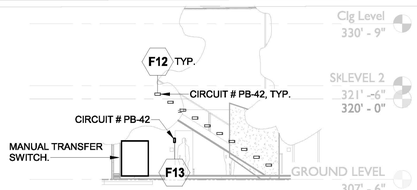
(E) SWITCHBOARD FOR BASEBALL FIELD (NOT IN SCOPE OF WORK).

(E)

PA- 25

IRRIGATION CONTROLLER

3/32" = 1'-0" ELECTRICAL SITE PLAN ALT | 1



3/32" = 1'-0" EXTERIOR STAIR LIGHTING SECTION 2

KEYNOTE LEGEND

EV CHARGING NOTE

1. REFER TO SHEET E6.01, DETAIL 7 FOR EV CHARGING STATION.
2. CONTRACTOR TO INSTALL A COMPLETE AND OPERATABLE LEVEL 2 EV CHARGER SYSTEM THAT IS IN THE SCOPE OF WORK. COORDINATE WITH ARCHITECT AND RECREATION AND PARKS (RAP) FOR THE EXACT MAKE & MODEL IS A MUST.

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LEHRER ARCHITECTS LA
3142 Wilshire Boulevard, Los Angeles, CA 90010-1529
ph 213.640.0747 fax 213.640.0706 lehrerarchitects.com

SK ENGINEERS
421 East Huntington Drive, Monrovia, California 91016
818.358.3366 / 626.305.3366

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

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	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN PLAZAN
C 22794
6/30/2025
ELECTRICAL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS

GARY LEE MOORE, P.E., ENV SP
CITY ENGINEER

ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
DATE:

Issue Date
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CITY OF LOS ANGELES

CLIENT : DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ELECTRICAL SITE PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E1.01A
SHEET O F SHEETS

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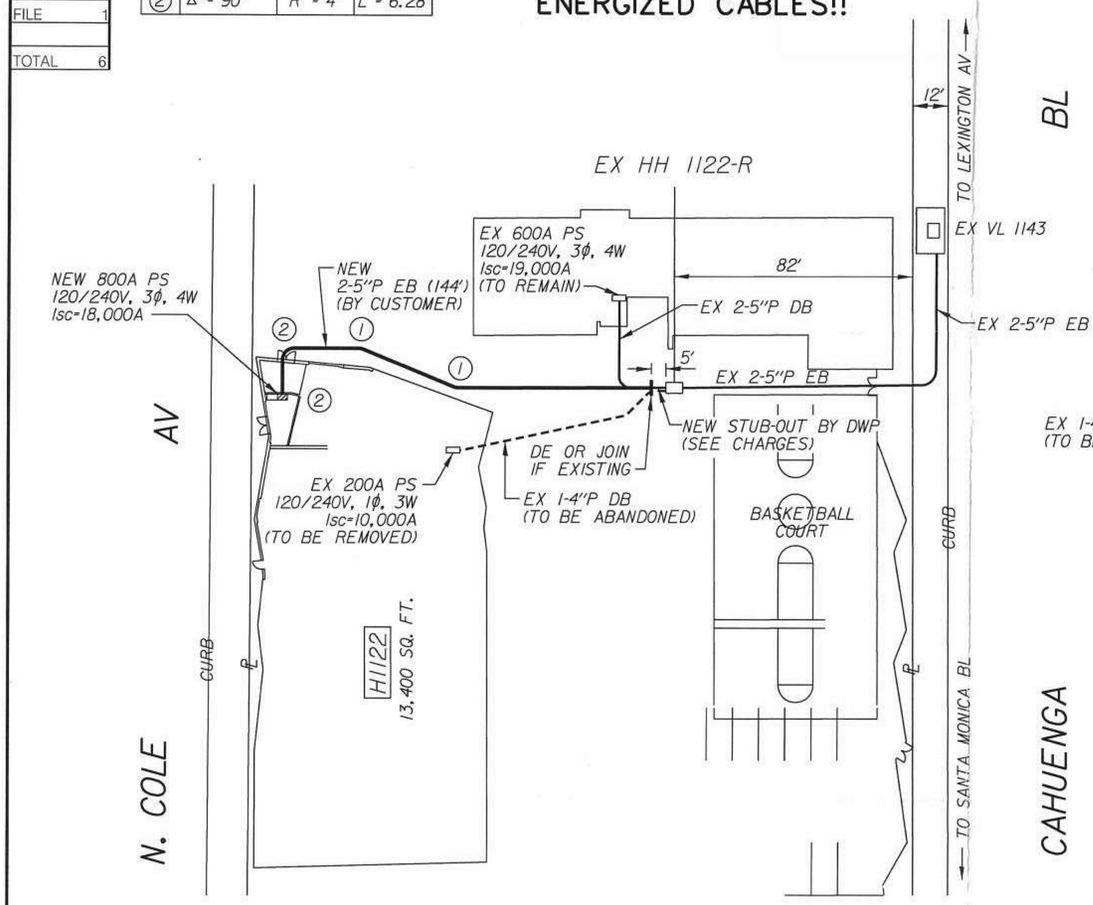
CUST	1
ENGR (VA)	1
ESR (311)	2
DDFT	1
FILE	1
TOTAL	6

CURVE DATA			
①	Δ = 22°30'	R = 4'	L = 1.57'
②	Δ = 90°	R = 4'	L = 6.28'

CAUTION: ENERGIZED CABLES!!



REFERENCES

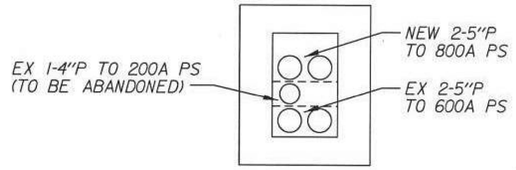
NBCD 2150571, 21A8019
NBCD 1314142, 13A8188 (REFERENCE ONLY)
NBU2 2119952, 20E2673
NBIAC 2119954
14E2305 (REFERENCE ONLY)

CONTACT DWP SERVICE REP. FOR AREA 311 @ (213) 367-6233 TWO DAYS PRIOR TO START OF CONSTRUCTION.

CHARGES

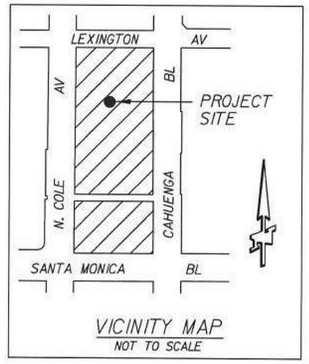
CUSTOMER TO PAY $10,698 FOR CONDUIT STUB-OUT, FROM EXISTING HAND HOLE, DESIGN AND INSPECTION.

DUCT ARRANGEMENT TO BE VERIFIED IN THE FIELD



WEST WALL
EX 2-5" & 1-4"P DB &
NEW 2-5"P EB

EX HH 1122-R



VICINITY MAP
NOT TO SCALE

THIS COMMITMENT IS VALID FOR SIX MONTHS ONLY. ANY CHANGE IN LOAD OR DESIGN WILL REQUIRE REVISED PLANS TO BE SUBMITTED FOR RE-EVALUATION

No.	DATE	INIT'L	REVISION	APP'V'D

FOR LOCATION OF EXISTING UNDERGROUND SUBSTRUCTURES, NOTIFY THE UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

DIGALERT
CONTACT DIGALERT AT WWW.DIGALERT.ORG OR 811 AT LEAST TWO WORKING DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

CITY OF LOS ANGELES DEPARTMENT OF WATER AND POWER
METRO WEST SERVICE PLANNING

DESIGN	V. AVEDIAN	PHONE	(818) 771-3504
O.K.	Adin Vargas 3/15/21	DRAFTING	T. MELKONIAN
APPROVED	Marco Maldonado/AV	DATE	3/11/21

WR #:	PROJECT #:	TG #:
2011834	P288518	593-F5

4.8kV CUSTOMER REQUIREMENTS
1122 N. COLE AV
HOLLYWOOD RECREATION CENTER

20P0275 | SHEET 1 OF 1

COURTESY OF DWP

BUREAU OF ENGINEERING
OFFICIAL RECORD

LEHRER ARCHITECTS LA
421 East Huntington Drive, Monrovia, California 91016
818.844.8888 F 626.358.8120

S&K ENGINEERS

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	BY	REVISION DESCRIPTION
BID SET			

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. E22794
EXP. 6/30/2025
STATE OF CALIFORNIA
ELECTRICAL

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
LIC. NO.: C12115

ARCHITECT:	MICHAEL B. LEHRER, FAIA
DESIGNED BY:	MBL
DRAWN BY:	ARC
CHECKED BY:	STAFF
APPROVED BY:	

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: LADWP SITE PLAN

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E1.02
SHEET 1 OF SHEETS

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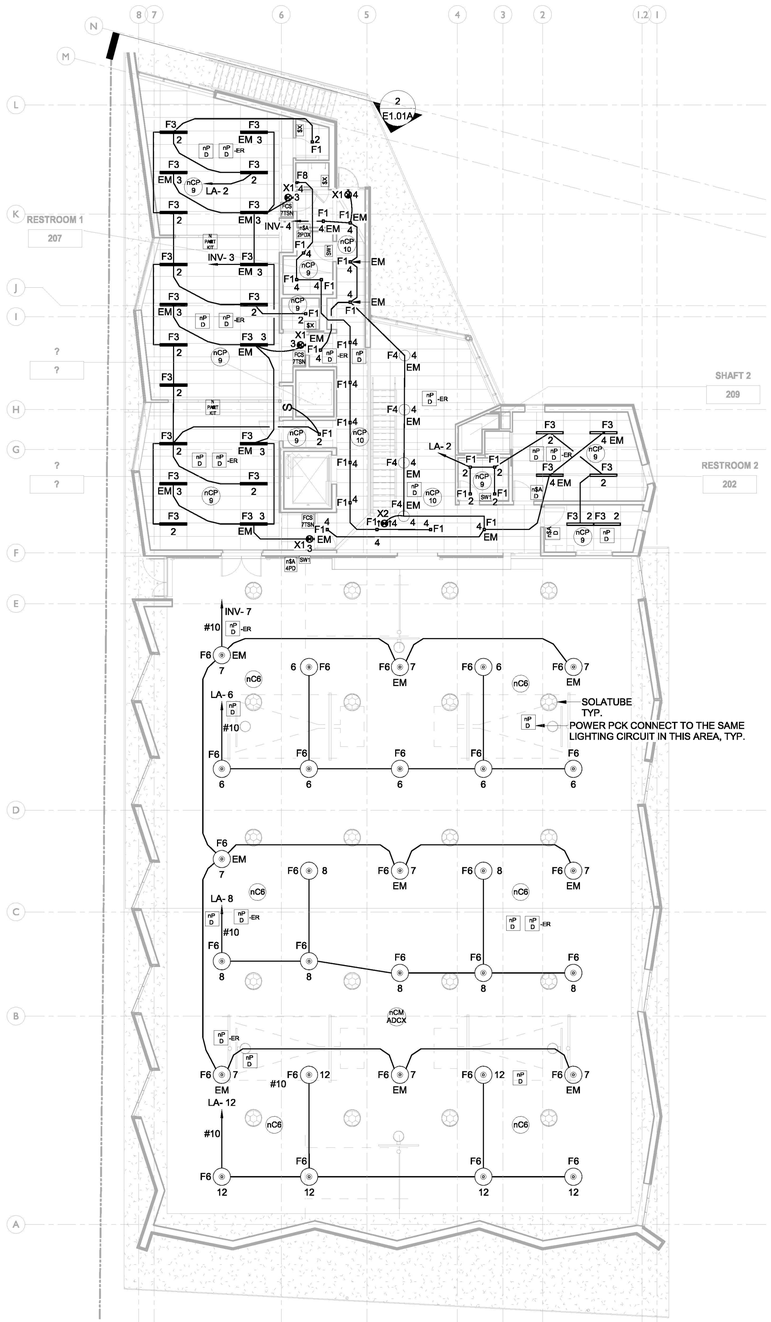
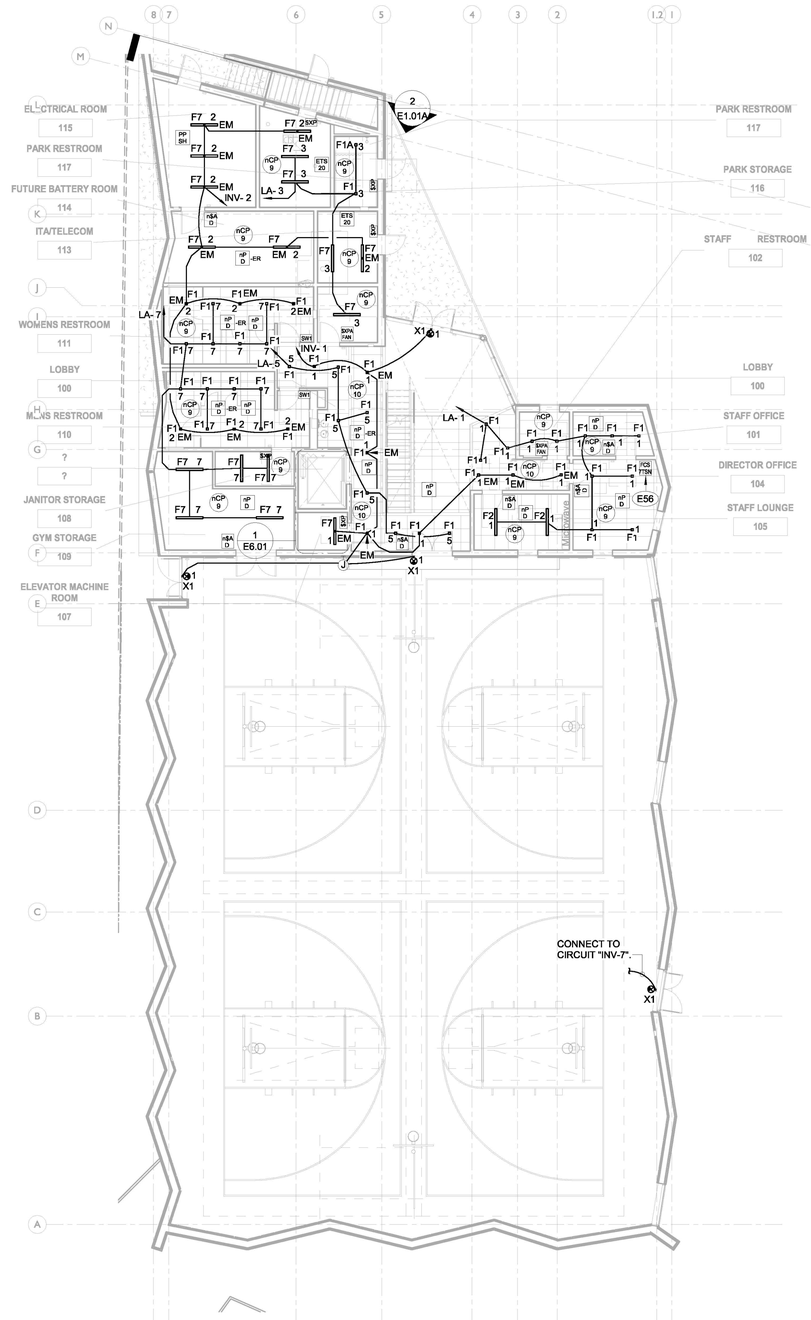
TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 04/13/21
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)



3/32" = 1'-0" LIGHTING PLAN - LEVEL 2 | 2



3/32" = 1'-0" LIGHTING PLAN - LEVEL 1 | 1

KEYNOTE LEGEND

E56	MASTER LIGHTING CONTROL SWITCH/TOUCHSCREEN IN DIRECTOR'S OFFICE SHALL CONTROL ALL INTERIOR LIGHTING, GYMNASIUM, ALL EXTERIOR OUTDOOR BASKETBALL AND LIGHTING. IT IS MANDATORY REQUIRED BY RECREATION AND PARKS (RAP).

GENERAL NOTES

1. CONTRACTOR IS REQUIRED TO SUBMIT THIS LIGHTING PLAN FOR A COMPLETE AND OPERABLE nLIGHT LIGHTING CONTROL DESIGN. (CONTACT INFORMATION: JOE PORTERA joep@performanceltg.com.
2. LIGHTING CIRCUIT SHALL USE 3/4"C-2#12 + 1#12 GND. FOR ALL ROOMS EXCEPT THE GYM AREA.
3. GYM LIGHTING CIRCUIT SHALL USE 3/4"C-2#10 + 1#10 GND.
4. CONTRACTOR SHALL QUOTE BASE ON nLIGHT MANUFACTURER'S SHOP DRAWINGS. REFER TO nLIGHT MANUFACTURERA SHOP DRAWINGS FOR EXACT QUANTITY OF DEVICES. (MAKE SURE THE nLIGHT SHOP DRAWING IS UPDATED AND MATCH THE LATEST LIGHTING PLAN.
5. CONTRACTOR TO PROVIDE POWER TO ENERGIZE NORMAL POWER PACKS, EMERGENCY POWER PACKS, BRIDGES AND LIGHTING CONTROL MODULES/DEVICES IN CEILING SPACE IS INCLUDED IN THE SCOPE OF WORK TO MAKE A COMPLETE AND OPERABLE LIGHTING CONTROL SYSTEM.

LEHRER ARCHITECTS LA
421 East Hellman Drive
Alhambra, California 91801
Tel 626.943.2388 Fax 626.943.2389
3142 Wilshire Avenue, Los Angeles, CA 90010-4726
Tel 213.640.4747 Fax 213.640.4756 lehrerarchitects.com

SK STRUCTURES
421 East Hellman Drive
Alhambra, California 91801
Tel 626.943.2388 Fax 626.943.2389

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. E22794
EXP. 6/2025
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: LIGHTING PLANS - LEVEL 1 & 2

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E2.01
SHEET NO. OF SHEETS

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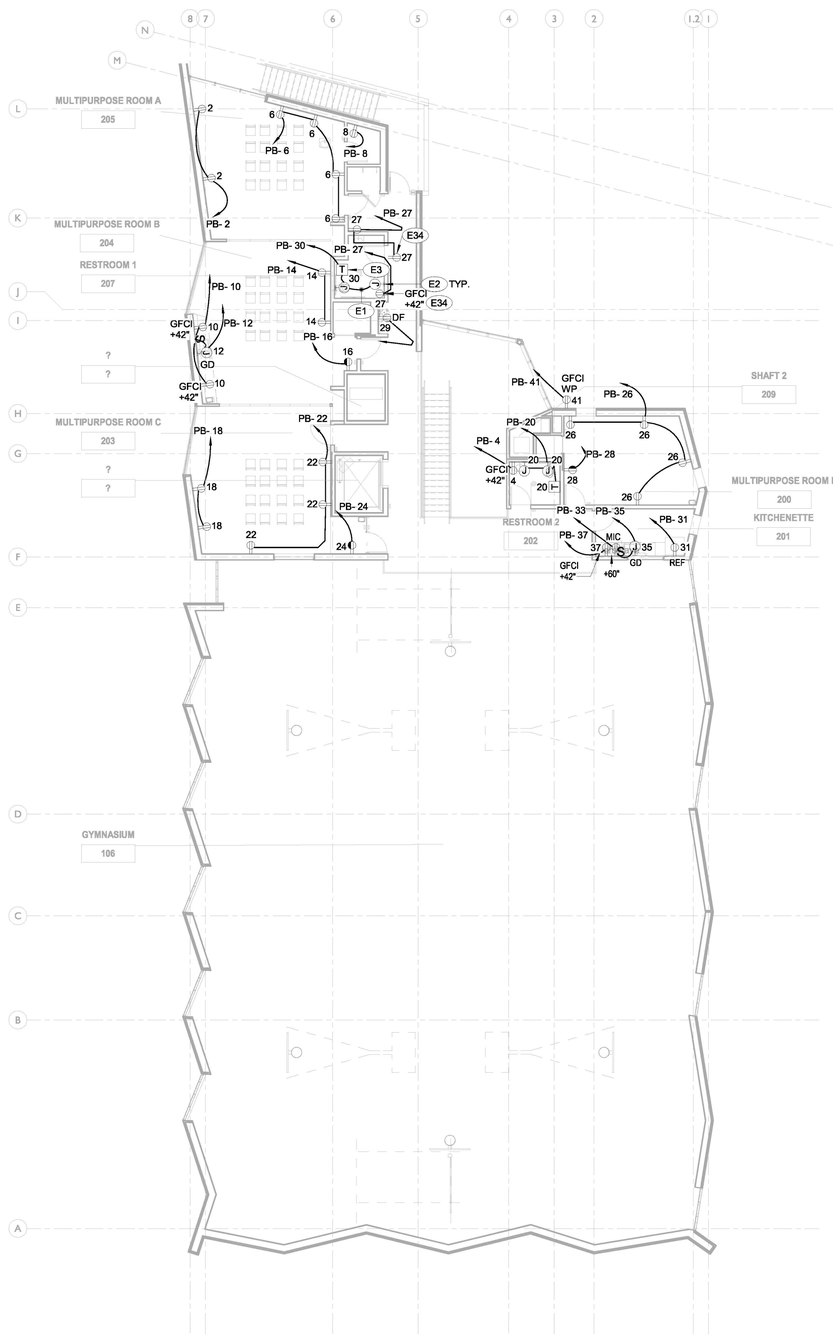
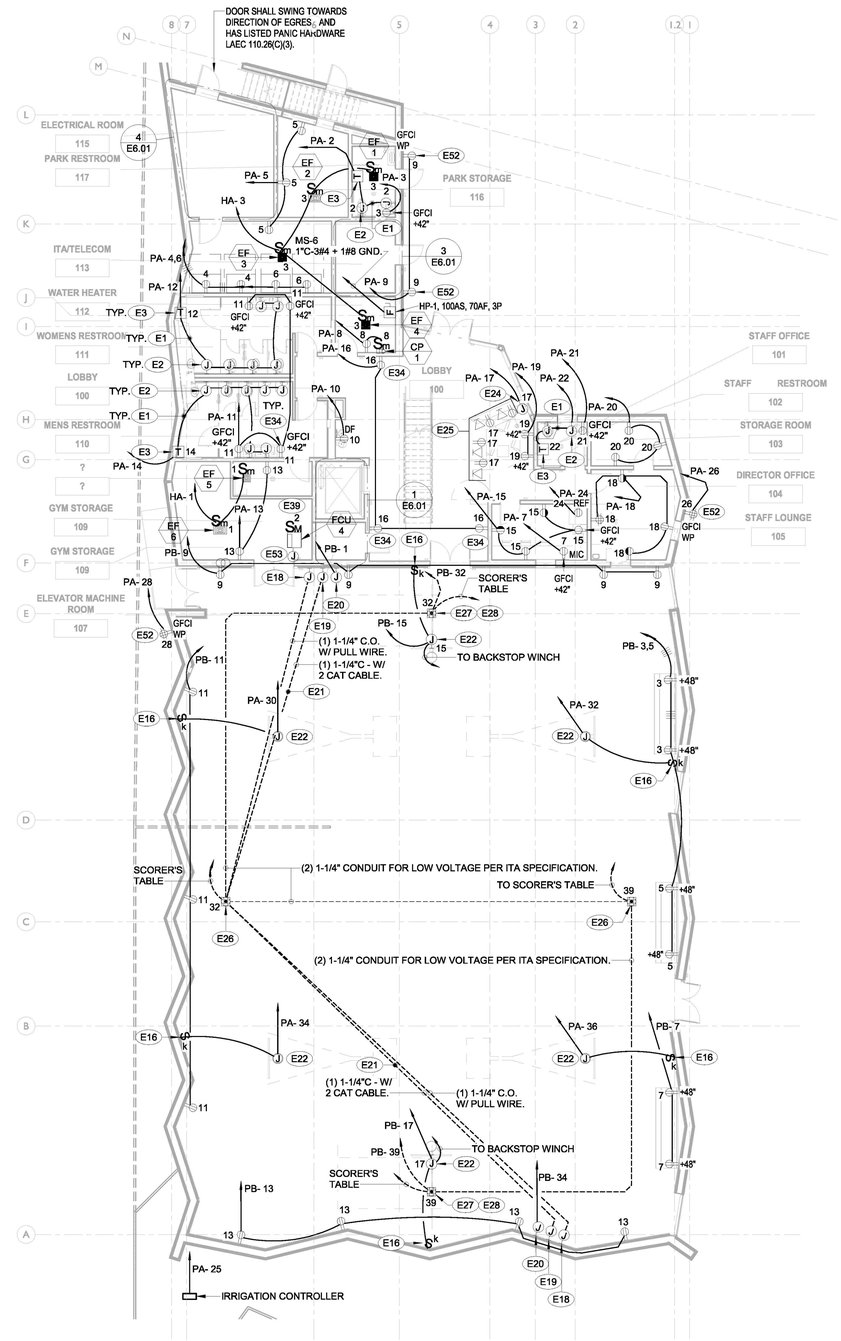
TTLB TEMPLATE REVISION DATE: 08/30/2016
SHEET ISSUE DATE: 09/22/20
FILE PATH: BIM 360://Hollywood Rec Center/19014_MEP_Central.rvt

REVISION DATES (DESIGN STAGE ONLY)





KEYNOTE LEGEND

E1	3/4"C.O. (TYPICAL) ALL LOW VOLTAGE WIRING BY DIVISION 22.
E2	2-GANG J-BOX FOR DIE CAST SENSOR PLATE, COORDINATE HEIGHT & MOUNTING WITH PLUMBING DRAWINGS.
E3	6"x6"x4"D S.C.P.B BOX (WITH VENTILATION OPENING) FOR 50VA TRANSFORMER FOR AUTO FLUSH/FAUCETS SYSTEM. TRANSFORMER FURNISHED UNDER DIVISION 22 AND INSTALLED UNDER DIVISION 26. MOUNT BOX & TRANSFORMER AT A ACCESSIBLE LOCATION.
E16	THREE (3)-POSITION ELECTRIC WINCH KEYSWITCH WITH STAINLESS STEEL COVER PLATE. PURCHASE KEYSWITCH AT forumathletic.com/product/electric-winch-keyswitch/model no.:F49017). VERIFY EXACT LOCATION.
E18	AV J-BOX BEHIND SCOREBOARD (VERIFY EXACT HEIGHT).
E19	DATA J-BOX BEHIND SCOREBOARD (VERIFY EXACT HEIGHT)
E20	POWER J-BOX BEHIND SCOREBOARD (VERIFY EXACT HEIGHT).
E21	ALL CONDUIT CONCEALED IN THE WALL SHALL BE EMT.
E22	VERIFY EXACT J-BOX LOCATION ON STRUCTURAL BEAM.
E24	POWER J-BOX FOR THE ALUMINUM WIREMOLD AL3300, VERIFY EXACT LOCATION AND CONNECT AS REQUIRED.
E25	OUTLETS PART OF THE ALUMINUM WIREMOLD AL3300 UNDER THE COUNTER, VERIFY EXACT LOCATION.
E26	PROVIDE LEGRAND WIREMOLD EFB45 (4-GANG) FLOOR BOX FOR RAISED WOOD GYM FLOOR AND FLUSH MOUNTED COVER WITH HARDWOOD INSERT WITH BRASS TRIM.
E27	PROVIDE 20A, 120V, 1PH CONNECTION TO FLOOR BOX FOR SHOT CLOCK MOUNTED ON BACKBOARD. PROVIDE 1"C CONDUCTORS PER MANUFACTURER REQUIREMENTS TO SCORE'S TABLE FOR CONTROL.
E28	PROVIDE AND INSTALL FSR FL-500P-8-B FLOOR BOX FOR POWER.
E34	PROVIDE PADLOCK LOCKABLE BOX (LeMeur ENCLOSURE OR EQUAL)IN PUBLIC AREAS LIKE HALLWAYS, MULTI-USE RESTROOM.
E39	POWER FOR FAN COIL UNIT DERIVED FROM OUTDOOR CONDENSING UNIT & INSTALLED ALONG WITH REFRIGERANT PIPING BY DIVISION 23.
E52	ALL OUTDOOR RECEPTACLES SHALL BE GFCI TYPE AND NEED TO BE IN A PAD LOCKABLE BOX (LeMeur ENCLOSURE) OR EQUAL.
E53	PROVIDE J-BOX AND 3/4" CONDUIT WITH PULL WIRE TO THERMOSTAT, COORDINATE WITH DIVISION 23.

GENERAL NOTES

1. NORMAL POWER AND EMERGENCY POWER SHALL BE IN SEPARATE CONDUITS.
2. LOCAL VOLTAGE CABLES AND POWER CONDUCTORS SHALL BE IN SEPARATE CONDUITS.
3. ALL GENERAL RECEPTACLE CIRCUITS SHALL USE 3/4"C-2#10 + 1#12 GND. UNLESS OTHERWISE NOTED.

3/32" = 1'-0" POWER PLAN - LEVEL 2 | 2

3/32" = 1'-0" POWER PLAN - LEVEL 1 | 1

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TTLB TEMPLATE REVISION DATE: 06/30/2016
SHEET ISSUE DATE: 09/22/20
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REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
3142 Wilshire Boulevard Santa Monica, CA 90403-4308
ph 310.264.4747 fax 310.264.4748 lehrerarchitects.com

SK&A STRUCTURAL ENGINEERS
421 East Hellman Drive Alhambra, California 91801
Tel 626.793.9400 Fax 626.793.9494

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
		BID SET	

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER CHIN P. CHAN No. E22794 EXP. 12/2025 STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER:

	DATE:
Issue	
Date	
Issue	
Date	
Issue	
Date	
Issue	
Date	
Issue	
Date	

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: POWER PLANS - LEVEL 1 & 2

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E3.01
SHEET 0 OF SHEETS

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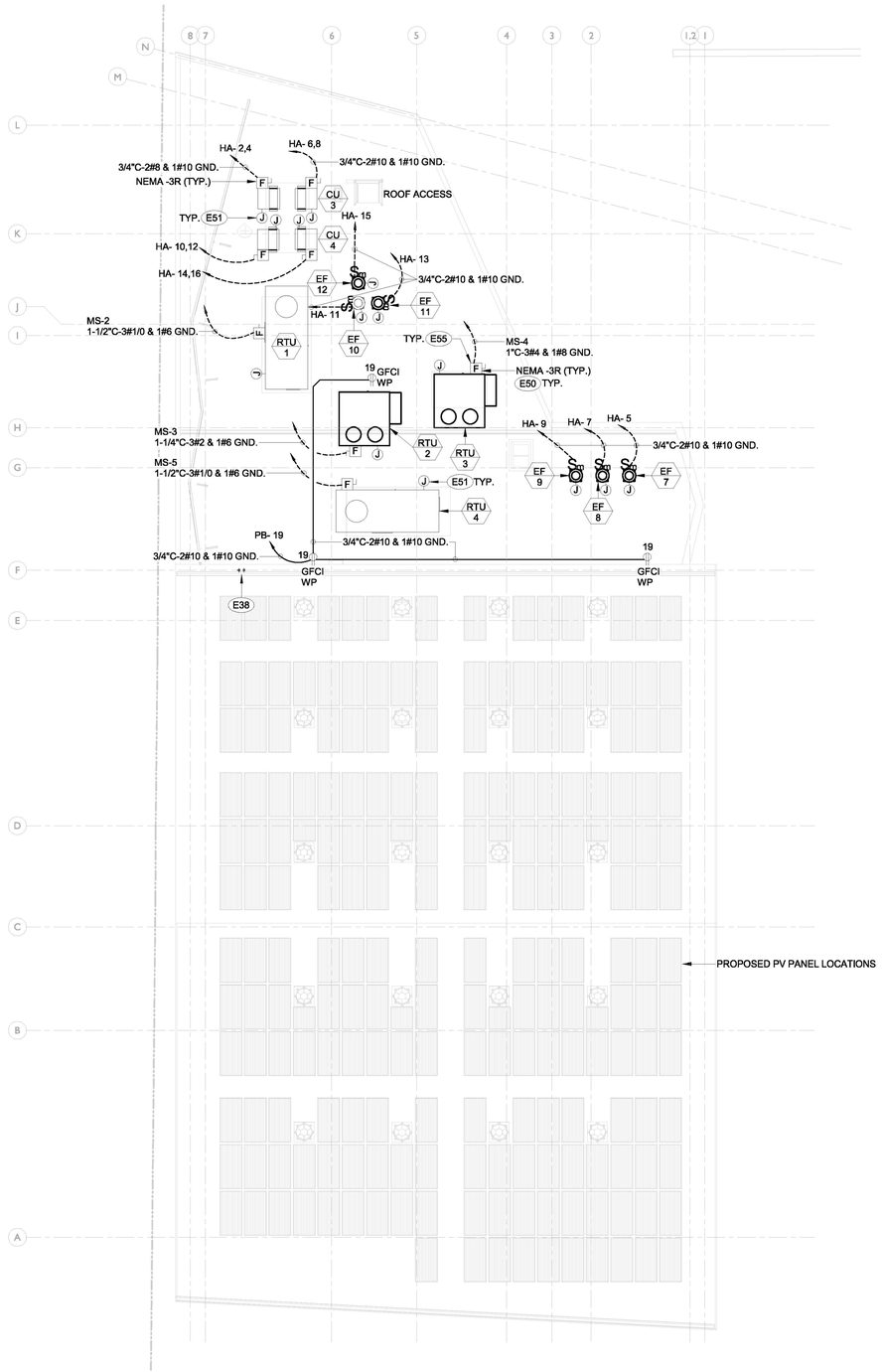

KEYNOTE LEGEND

E38	(2) 4"C WITH PULL WIRE AND PENETRATE THROUGH THE ROOF TO DESIGNATED PHOTOVOLTAIC SOLAR ARRAYS AREA.
E50	SEE SINGLE LINE DIAGRAM SHEET E0.02 FOR NEMA-3R FUSIBLE DISCONNECT SWITCH SIZE AND DUAL ELEMENT, TIME-DELAY FUSE SIZE INFORMATION.
E51	IN ADDITION, PROVIDE NEMA-3R J-BOX ON ROOF AND 3/4"CONDUIT WITH PULL WIRE TO BELOW ROOF FOR LOW VOLTAGE CONTROLS COORDINATION WITH DIVISION 23 IS A MUST.
E55	ALL POWER DISCONNECT SWITCHES SHALL NOT BE SUPPORTED BY THE UNIT AND SHALL HAVE ITS OWN UNISTRUT SUPPORTS.

NOTES

1. ALL CONDUITS ARE TO BE RUN AT THE UNDERSIDE OF THE ROOF. NO HORIZONTAL CONDUIT ACROSS THE TOP SIDE OF THE ROOF WILL BE PERMITTED.
2. CONDUIT STUB-UP TO HVAC EQUIPMENT SHALL BE WITHIN EQUIPMENT CURBS.

3/32" = 1'-0" POWER PLAN - ROOF

THE CITY OF LOS ANGELES OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

TTLB TEMPLATE REVISION DATE: 06/30/2016
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REVISION DATES (DESIGN STAGE ONLY)

LEHRER ARCHITECTS LA
421 East Huntington Drive
Monrovia, California 91016
626.599.9445 F 626.599.9446
SK STRUCTURES
421 East Huntington Drive
Monrovia, California 91016
626.599.9445 F 626.599.9446

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CITY OF LOS ANGELES

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INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN PLAN
No. E22794
EXP. 6/30/2025
ELECTRICAL
STATE OF CALIFORNIA

BUREAU OF ENGINEERING
OFFICIAL RECORD

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP — CITY ENGINEER'S LICENSE NO. C 52869
DATE:
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: POWER PLAN - ROOF

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E3.02
SHEET OF SHEETS

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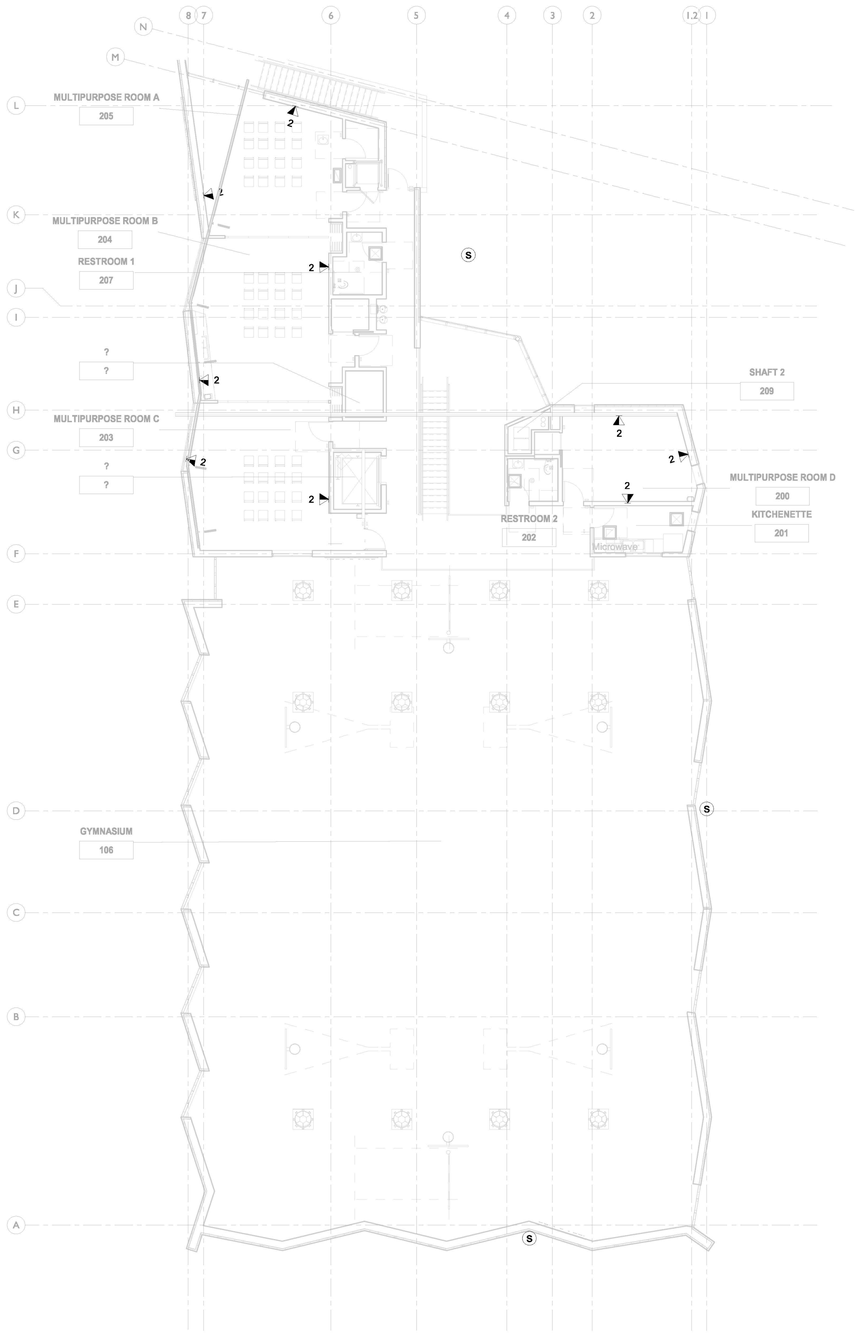
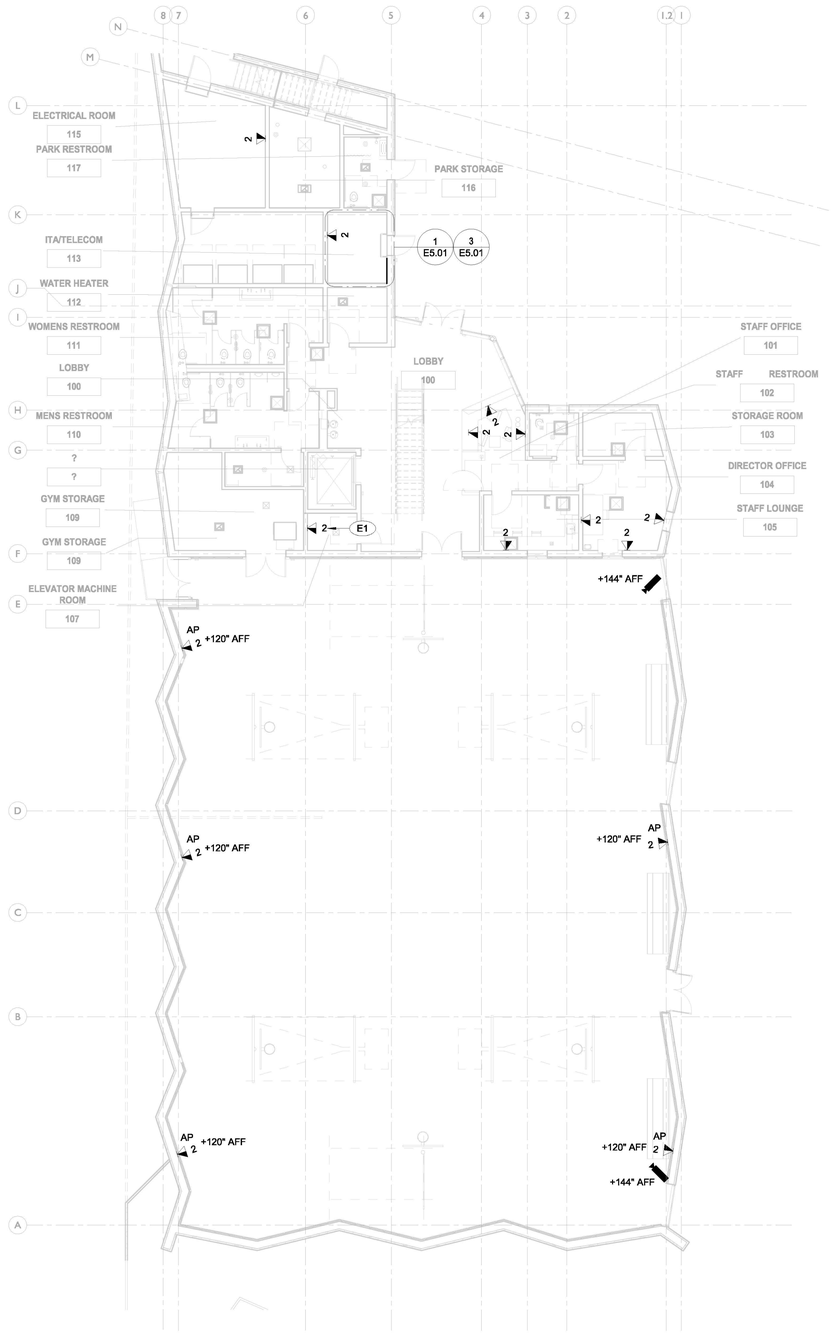


3/32" = 1'-0" TECHNOLOGY WAO PLAN - LEVEL 2 | 2



3/32" = 1'-0" TECHNOLOGY WAO PLAN - LEVEL 1 | 1

KEYNOTE LEGEND

E1	COORDINATE DATA OUTLET LOCATION REQUIREMENTS WITH ELEVATOR CONTRACTOR.

GENERAL NOTES

1. ALL TECHNOLOGY AV AND DATA CABLING SHALL BE INSTALLED FROM ROOM 115 TO DEVICE LOCATION, U.O.N. CABLING SHALL BE SUPPORTED BY J-HOOKS AT ACCESSIBLE CEILING LOCATIONS. CABLING SHALL BE INSTALLED IN CONDUIT AT OPEN CEILING LOCATIONS.
2. ALL OUTLETS IN GYMNASIUM SUPPORTING CAMERAS AND DATA OUTLETS REQUIRE A 5S BACKBOX WITH 1" CONDUIT EXTENDED TO ACCESSIBLE CEILING AREA.

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REVISION DATES (DESIGN STAGE ONLY)

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SHEET ISSUE DATE: 02/22/23
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LEHRER ARCHITECTS LA
421 East Huntington Drive
Monrovia, California 91016
626.599.9811 F 626.599.9816
3142 Wilshire Avenue Los Angeles, CA 90010-1508
ph 213.640.9747 fax 213.640.9756 lehrerarchitects.com

SK STANTEC
421 East Huntington Drive
Monrovia, California 91016
626.599.9811 F 626.599.9816

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
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BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. C22794
EXP. 6/30/2025
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER

	DATE:
Issue	Date
Issue	Date
Issue	Date
Issue	Date
Issue	Date
Issue	Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: COMMUNICATIONS PLANS - LEVELS 1 & 2

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

BUREAU OF ENGINEERING
OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E4.01
SHEET OF SHEETS

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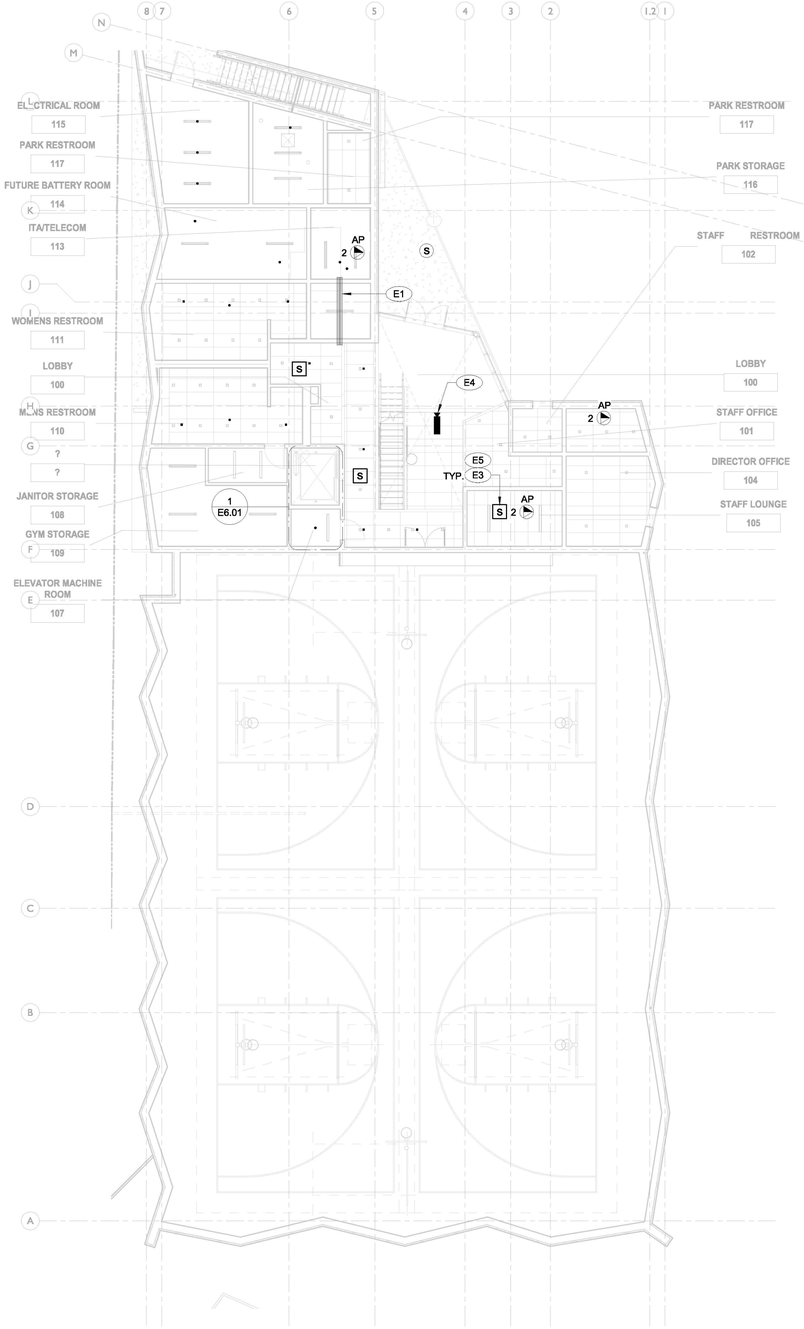
3/32" = 1'-0" TECHNOLOGY WAO CEILING PLAN - LEVEL 2 2



3/32" = 1'-0" TECHNOLOGY WAO CEILING PLAN - LEVEL 1 1

KEYNOTE LEGEND

E1	PROVIDE (2) 4" CONDUIT SLEEVES EXTENDING FROM ABOVE LADDER RACK IN ROOM 115 TO AREA ABOVE ACCESSIBLE CEILING IN ROOM 100 FOR CABLE PATH.
E2	PROVIDE BOGEN OPS1 CEILING HUNG SPEAKERS MOUNTED WITH CK10 SAFETY CABLES. ALL SPEAKER CABLING TO BE INSTALLED IN CONDUIT WITHIN GYM AREA.
E3	PROVIDE BOGEN CSD2X2 CEILING SPEAKERS. SPEAKER CABLE TO BE J-HOOK SUPPORTED IN ACCESSIBLE CEILING AREAS AND INSTALLED IN CONDUIT AT OPEN CEILING LOCATIONS.
E4	PROVIDE CEILING MOUNTED CAMERA INSTALLED AT ACCESSIBLE CEILING PER DETAIL 5/E6.03.
E5	PROVIDE COMPLETE ZONE PAGING SYSTEM SOLUTION WITH INSTALLATION OF THE BOGEN PCMSYS3 PAGING SYSTEM WITH TPU-35B AMPLIFIER, CEILING SPEAKERS AND CEILING TILE SPEAKERS.
E6	EXTERIOR SPEAKERS WITH PLASTER RING BRACKET MOUNTED RECESSED IN EAVE. MODEL # CONTROL 26C & 26CT: MTC-26MR.

GENERAL NOTES

1. ALL TECHNOLOGY AV AND DATA CABLING SHALL BE INSTALLED FROM ROOM 115 TO DEVICE LOCATION, U.O.N. CABLING SHALL BE SUPPORTED BY J-HOOKS AT ACCESSIBLE CEILING LOCATIONS. CABLING SHALL BE INSTALLED IN CONDUIT AT OPEN CEILING LOCATIONS.

LEHRER ARCHITECTS LA
421 East Hellman Drive
Bel Air, California 91077
Tel 310.440.4787 Fax 310.440.4788
3142 Wilshire Blvd. Los Angeles, CA 90010-1508
ph 213.640.4787 fax 213.640.4788 lehrerarchitects.com

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ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	REVISION DESCRIPTION	DATE	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. C12115
12/31/2025
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER
DATE:
Issue Date
Issue Date
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Issue Date
Issue Date

GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

BUREAU OF ENGINEERING
OFFICIAL RECORD

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: COMMUNICATIONS RCP PLANS - LEVELS 1 & 2

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E4.02
SHEET OF SHEETS

PLOTTED:9/20/2024 1:54:45 PM

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TTLB TEMPLATE REVISION DATE:: 06/30/2016
SHEET ISSUE DATE: 02/22/23
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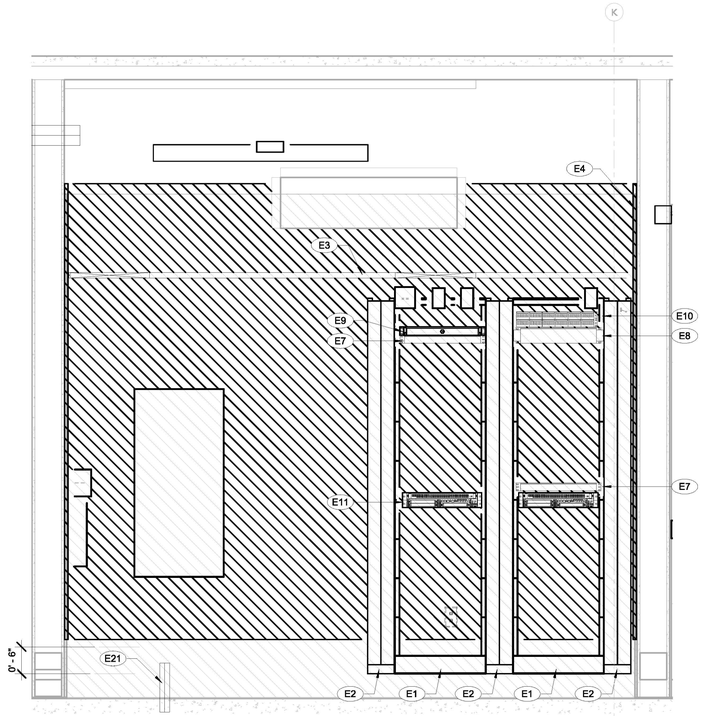
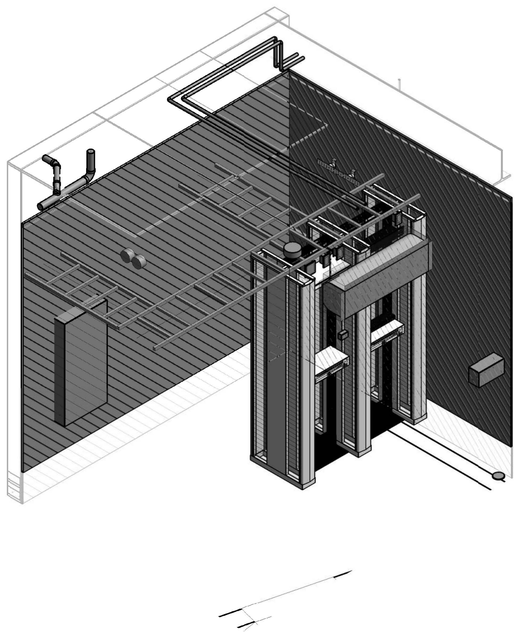


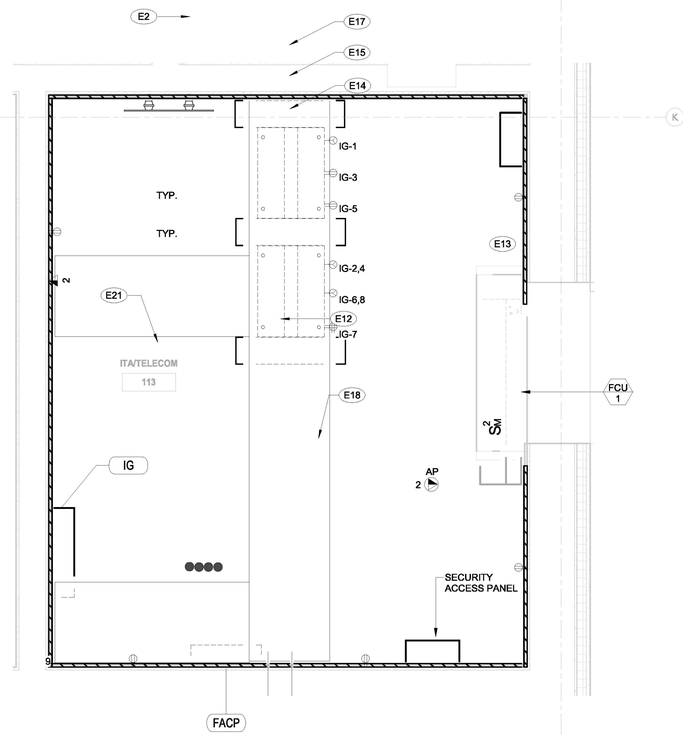
3/4" = 1'-0" LEVEL 01 - ITA/TELECOM 115 - RACK ELEVATION - FRONT **2**

KEYNOTE LEGEND

E1	19" W X 7' H 2-POST RACK.
E2	8" W X 7' H VERTICAL WIRE MANAGER.
E3	18"W LADDER RACK. PROVIDE ALL NECESSARY SPLICES AND HARDWARE FOR A COMPLETE LADDER RACK SOLUTION. LADDER RACK SHALL BE INSTALLED ABOVE RACKS USING A MOUNTING BRACKET
E4	4' X 8' X 3/4" FIRE RATED, A/C GRADE, VOID FREE PLYWOOD. BACKBOARD TO MATCH WALL. DO NOT PAINT OVER FIRE STAMP.
E5	SPACE RESERVED FOR SECURITY.
E6	2-PORT DATA WAO, COORDINATE WITH OWNER AND SECURITY CONTRACTOR.
E7	1RU HORIZONTAL WIRE MANAGER.
E8	2RU HORIZONTAL WIRE MANAGER.
E9	1RU OPTICAL FIRE PANEL.
E10	2RU 48-PORT CAT 6A PATCH PANEL.
E11	OWNER PROVIDED NETWORK EQUIPMENT.
E12	18" WIDE LADDER RACK
E13	POWER FOR FAN COIL UNIT DERIVED FROM OUTDOOR CONDENSING UNIT & INSTALLED ALONG WITH REFRIGERANT PIPING BY DIVISION 23.
E14	ALL RECEPTACLES SHALL BE MOUNTED TO LADDER RACK, TYP. FOR 6.
E15	PROVIDE DEDICATED 208V, 30A 1PH NEMA L6-30R RECEPTACLE MOUNTED TO LADDER RACK.
E16	PROVIDE DEDICATED 120V, 30A 1PH NEMA L5-30R RECEPTACLE MOUNTED TO LADDER RACK.
E17	PROVIDE DEDICATED 208V, 20A 1PH NEMA L6-20R RECEPTACLE MOUNTED TO LADDER RACK.
E18	PROVIDE DEDICATED 120V, 20A 1PH CONNECTION FOR SECURITY EQUIPMENT.
E19	TELECOMMUNICATIONS GROUND BAR (TGB) 20"W X 4"H X 3/4" THICK.
E20	66M BLOCKS FOR ANALOG LINES.
E21	(4) 2" CONDUIT TO ACCESSIBLE CEILING AT 2ND FLOOR. CONDUIT TO BE ROUTED WITHIN WALL AT 2ND FLOOR. CONDUIT PATH TO BE USED FOR DISTRIBUTION OF COMMUNICATIONS CABLING AT 2ND FLOOR.



NTS LEVEL 01 - ITA/TELECOM 115 - ISOMETRIC VIEW **3**



3/4" = 1'-0" TECHNOLOGY ENLARGED ROOM - ITA/TELECOM 115 **1**

BUREAU OF ENGINEERING
OFFICIAL RECORD

LEHRER ARCHITECTS LA
3142 Wilshire Boulevard Los Angeles, CA 90010-1508
ph 213.641.1387 fax 213.641.1388 lehrerarchitects.com

SK STRUCTURES
421 East Hellman Drive Bakersfield, California 93307
ph 661.363.8888 fax 661.363.8889

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
	BID SET		

BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. E22794
06/30/2025
STATE OF CALIFORNIA
CIVIL

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER:
DATE:
Issue Date
Issue Date
Issue Date
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GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: COMMUNICATIONS ENLARGED ROOM PLANS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO. E1908203

PLAN FILE NO.

DRAWING NO. E5.01

SHEET OF SHEETS

Project Status
PROJECT ISSUE DATE: Issue Date

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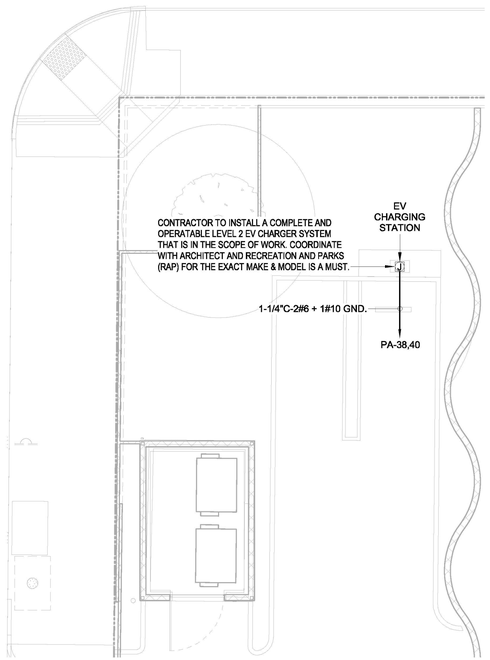
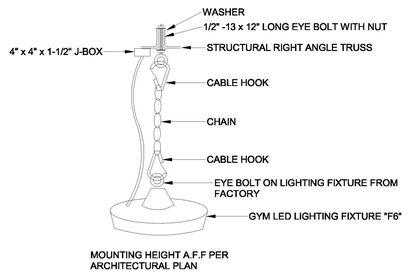
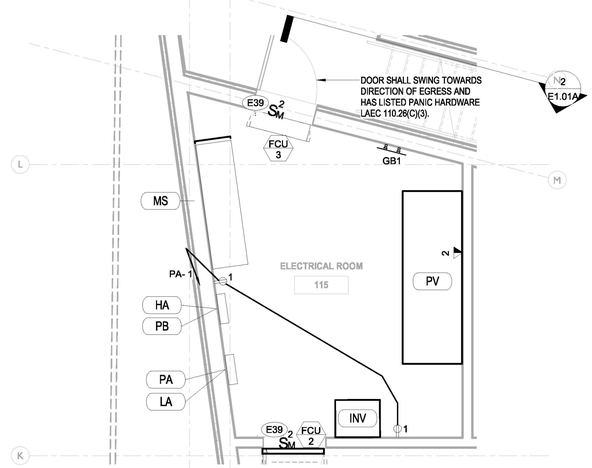


1/8" = 1'-0" EV CHANGING STATION | 7



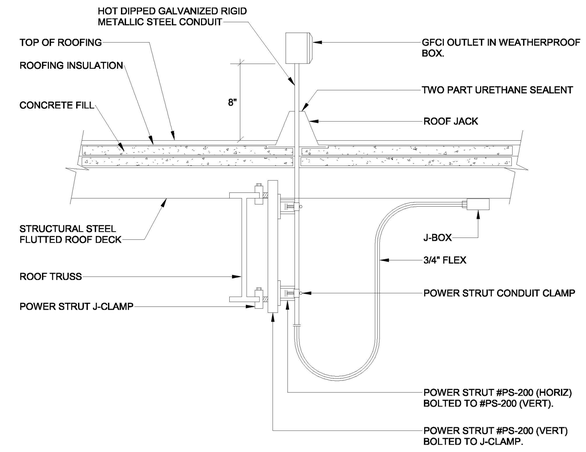
NO SCALE GYM LIGHTING FIXTURE MOUNTING DETAIL | 5



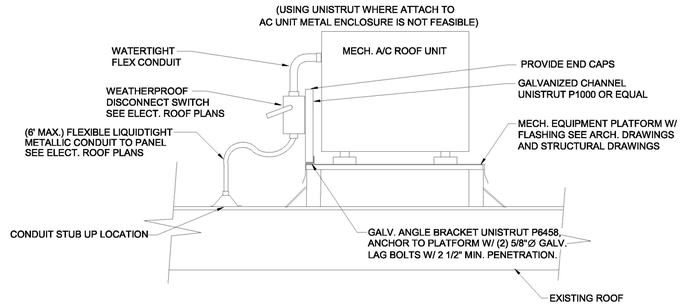
1/4" = 1'-0" ENLARGED ELECTRICAL ROOM | 4

KEYNOTE LEGEND

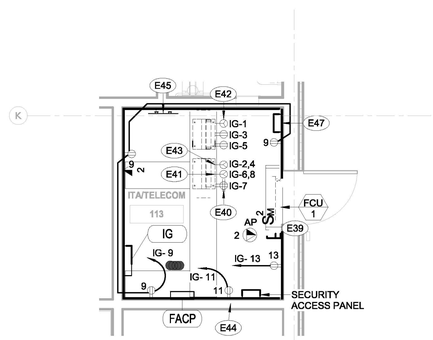
E14	CONNECT TO ELEVATOR CAB LIGHTS, A/C AND HEATING, 120V, 30AS/15AF, 1P PER CEC 620.22. CONNET TO ELEVATOR CONTROLLER.
E15	JUNCTION BOX & CONDUIT ONLY CONNECTION TO ELEVATOR CONTROLLER FOR CAB TELEPHONE, WIRING BY DIVISION 27.
E39	POWER FOR FAN COIL UNIT DERIVED FROM OUTDOOR CONDENSING UNIT & INSTALLED ALONG WITH REFRIGERANT PIPING BY DIVISION 23.
E40	ALL RECEPTACLES SHALL BE MOUNTED TO LADDER RACK, TYP. FOR 6.
E41	PROVIDE DEDICATED 208V, 30A, 1PH NEMA L6-30R RECEPTACLE MOUNTED TO LADDER RACK.
E42	PROVIDE DEDICATED 120V, 30A, 1PH NEMA L5-30R RECEPTACLE MOUNTED TO LADDER RACK.
E43	PROVIDE DEDICATED 208V, 20A, 1PH NEMA L6-20R RECEPTACLE MOUNTED TO LADDER RACK.
E44	PROVIDE DEDICATED 120V, 20A, 1PH CONNECTION FOR SECURITY EQUIPMENT.
E45	TELECOMMUNICATIONS GROUND BAR (TGB) 20"W x 4"H x 3/4"THICK.
E47	66M BLOCKS FOR ANALOG LINES.



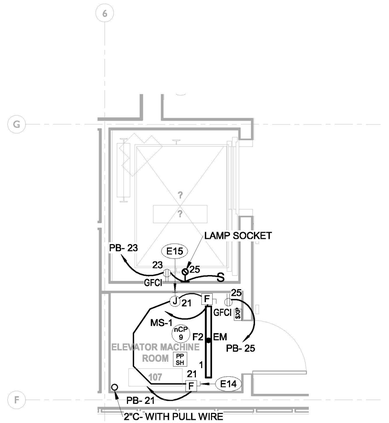
NO SCALE ROOF MOUNTED RECEPTACLE DETAIL | 2



12" = 1'-0" DISCONNECT SWITCH MOUNTING DETAIL | 6



1/4" = 1'-0" ENLARGED ITA/TELECOM | 3



1/4" = 1'-0" ENLARGED ELEV. MACHINE ROOM & ELEV. PIT | 1

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LEHRER ARCHITECTS LA
421 East Huntington Drive
Monrovia, California 91016
818.914.0885 / 626.305.0885
3142 Pacific Avenue, Los Angeles, CA 90292-4726
ph 310.664.9747 fax 310.664.9756 lehrerarchitects.com

SK STRUCTURES
421 East Huntington Drive
Monrovia, California 91016
818.914.0885 / 626.305.0885

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

NO.	DATE	REVISION DESCRIPTION	BY
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BUILDING NO. -

INDEX NO. RP-300126

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. E22794
EXP. 6/30/2025
CIVIL
STATE OF CALIFORNIA

DEPARTMENT OF PUBLIC WORKS
CITY OF LOS ANGELES

CITY ENGINEER: GARY LEE MOORE, P.E., ENV SP
DATE: CITY ENGINEER'S LICENSE NUMBER
ARCHITECTURAL DIVISION
ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER : NEIL DRUCKER

SHEET TITLE: ELECTRICAL DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

Project Status
PROJECT ISSUE DATE: Issue Date

WORK ORDER NO. E1908203
PLAN FILE NO.
DRAWING NO. E6.01
SHEET 0 OF SHEETS

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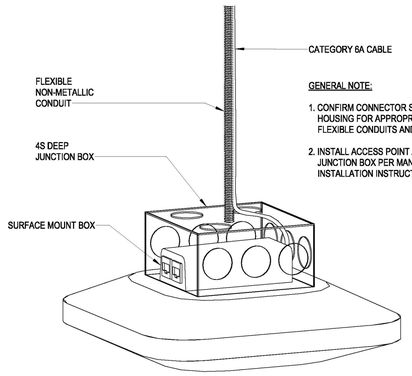
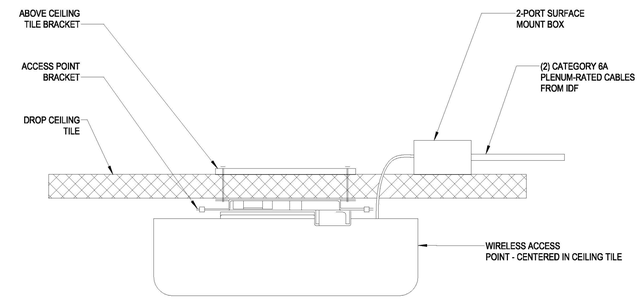
REVISION DATES (DESIGN STAGE ONLY)



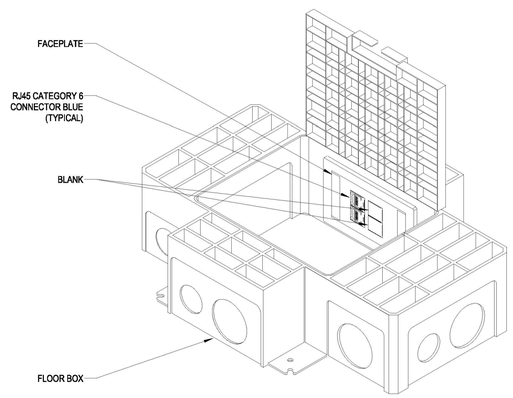
NTS AP MOUNTING DETAIL **5**



NTS AP DROP CEILING TILE MOUNTING DETAIL1 **3**

WORK AREA OUTLET DESCRIPTION		
DESCRIPTION	**QUANTITY**	**COLOR**
SINGLE GANG FLOOR BOX 4 PORT	1	MATCH ELECTRICAL
MODULE CAT 6	2	BLUE
MODULE BLANK	2	MATCH FACEPLATE
CABLE CAT 6	2	BLUE

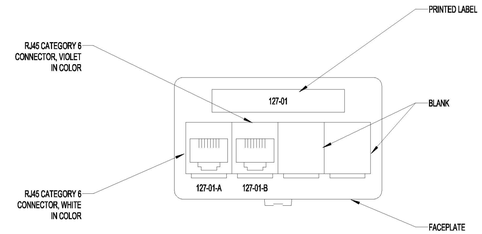
FLOOR # IDF # STATION I.D.
01 - 1.1 - 001



12" = 1'-0" 2 PORT DATA FLOOR BOX WORK AREA OUTLET DETAIL **4**

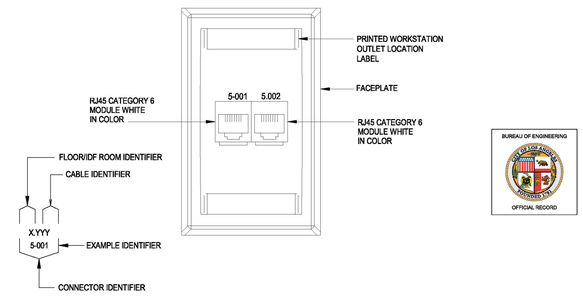
WORK AREA OUTLET DESCRIPTION		
DESCRIPTION	**QUANTITY**	**COLOR**
FACEPLATE 2 PORT	1	BLACK
MODULE CAT 6	1	WHITE
MODULE CAT 6	1	VIOLET
MODULE BLANK	2	MATCH FACEPLATE
CABLE CAT 6	2	BLUE

SPACE # **STATION #** **CABLE I.D.**
127 - 01 - A



12" = 1'-0" 2-PORT FURNITURE WORK AREA OUTLET DETAIL **2**

WORK AREA OUTLET DESCRIPTION		
DESCRIPTION	QUANTITY	COLOR
FACEPLATE 2-PORT	1	MATCH ELECTRICAL
MODULE CAT 6	2	WHITE
CABLE CAT 6	2	WHITE



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12" = 1'-0" 2-PORT DATA WORK AREA OUTLET DETAIL **1**

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LEHRER ARCHITECTS LA
3142 Wilshire Avenue Los Angeles, CA 90010-4726
ph 213.641.1387 fax 213.641.1536 lehrerarchitects.com

SK ENGINEERS
421 East Huntington Drive
Monrovia, California 91016
818.358.3435 F 818.358.3436

ENGINEERING
CITY OF LOS ANGELES

BUREAU OF ENGINEERING

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	BID SET		

BUILDING NO. -

INDEX NO. **RP-300126**

REGISTERED PROFESSIONAL ENGINEER
CHIN P. CHAN
No. 22794
12/31/2025
CIVIL
STATE OF CALIFORNIA

PUBLIC WORKS
DEPARTMENT OF PUBLIC WORKS

CITY ENGINEER
DATE:
Issue Date
Issue Date
Issue Date
Issue Date
Issue Date
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GARY LEE MOORE, P.E., ENV SP
ARCHITECTURAL DIVISION

ARCHITECT: MICHAEL B. LEHRER, FAIA LIC. NO.: C12115
DESIGNED BY: MBL
DRAWN BY: ARC
CHECKED BY: STAFF
APPROVED BY:

CITY OF LOS ANGELES

Project Status
PROJECT ISSUE DATE: Issue Date

CLIENT: DEPARTMENT OF RECREATION AND PARKS
GENERAL MANAGER: NEIL DRUCKER

SHEET TITLE: COMMUNICATIONS DETAILS

PROJECT: HOLLYWOOD RECREATION CENTR PHASE II - MODERN GYMNASIUM

ADDRESS: 1122 COLE AVE., LOS ANGELES, CA 90038

WORK ORDER NO.
E1908203

PLAN FILE NO.

DRAWING NO.
E6.02
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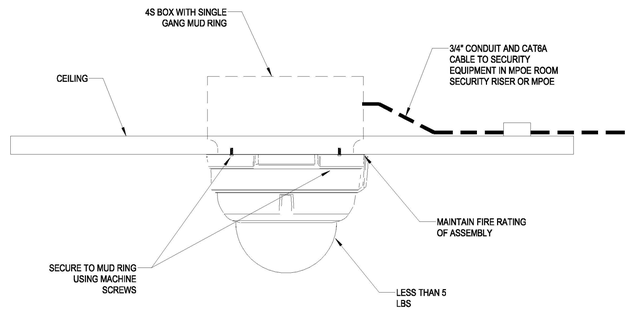
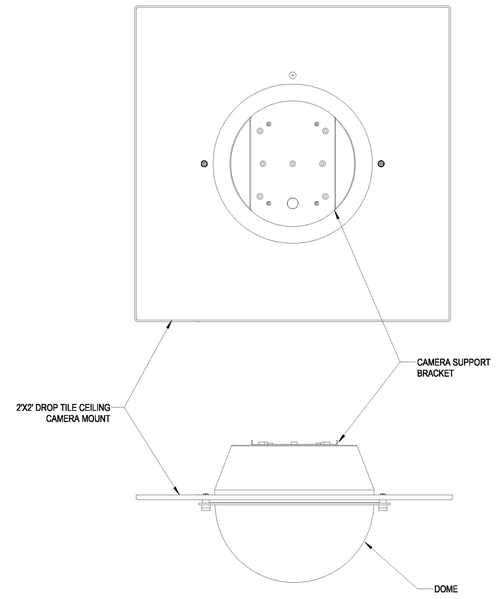


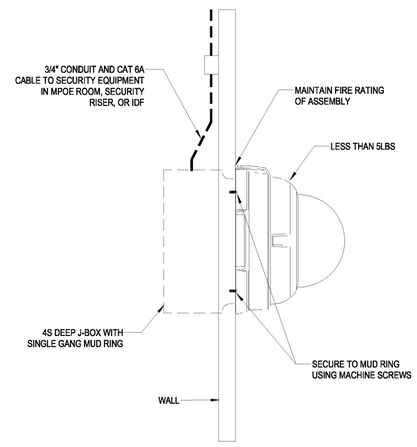
NTS SECURITY CAMERA - CEILING MOUNTED HARD LID DETAIL | 3



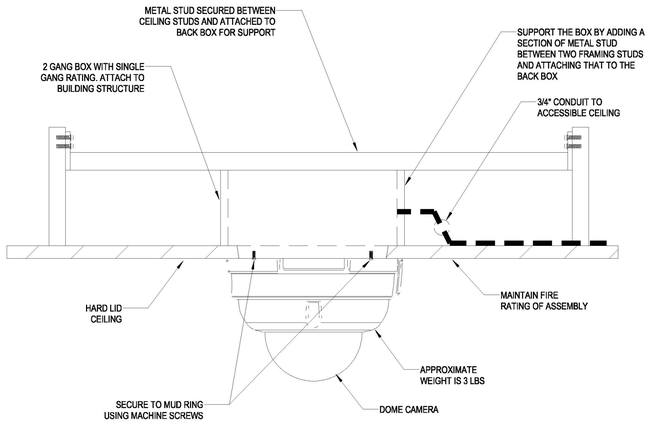
NOTE:

SECURE WITH MOUNTING FASTENERS OF APPROPRIATE LENGTH AND SIZE SUITED FOR ENVIRONMENT

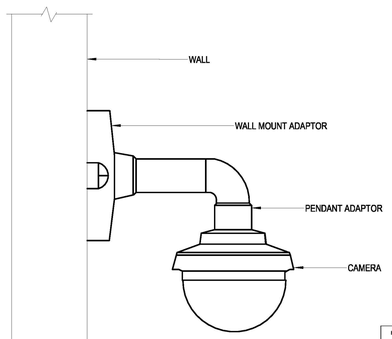
1" = 40'-0" CAMERA DOME CEILING 2X2 DROP TILE MOUNTED DETAIL | 5



NTS SECURITY CAMERA - WALL FLAT MOUNT DETAIL | 2



NTS SECURITY CAMERA - CEILING SURFACE DETAIL | 4



12" = 1'-0" SECURITY CAMERA - WALL MOUNT DETAIL | 1

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ph 213.641.4747 fax 213.641.4706 lehrerarchitects.com

SSK ENGINEERS
421 East Huntington Drive Monrovia California 91016
818.358.3435 F 626.358.3436

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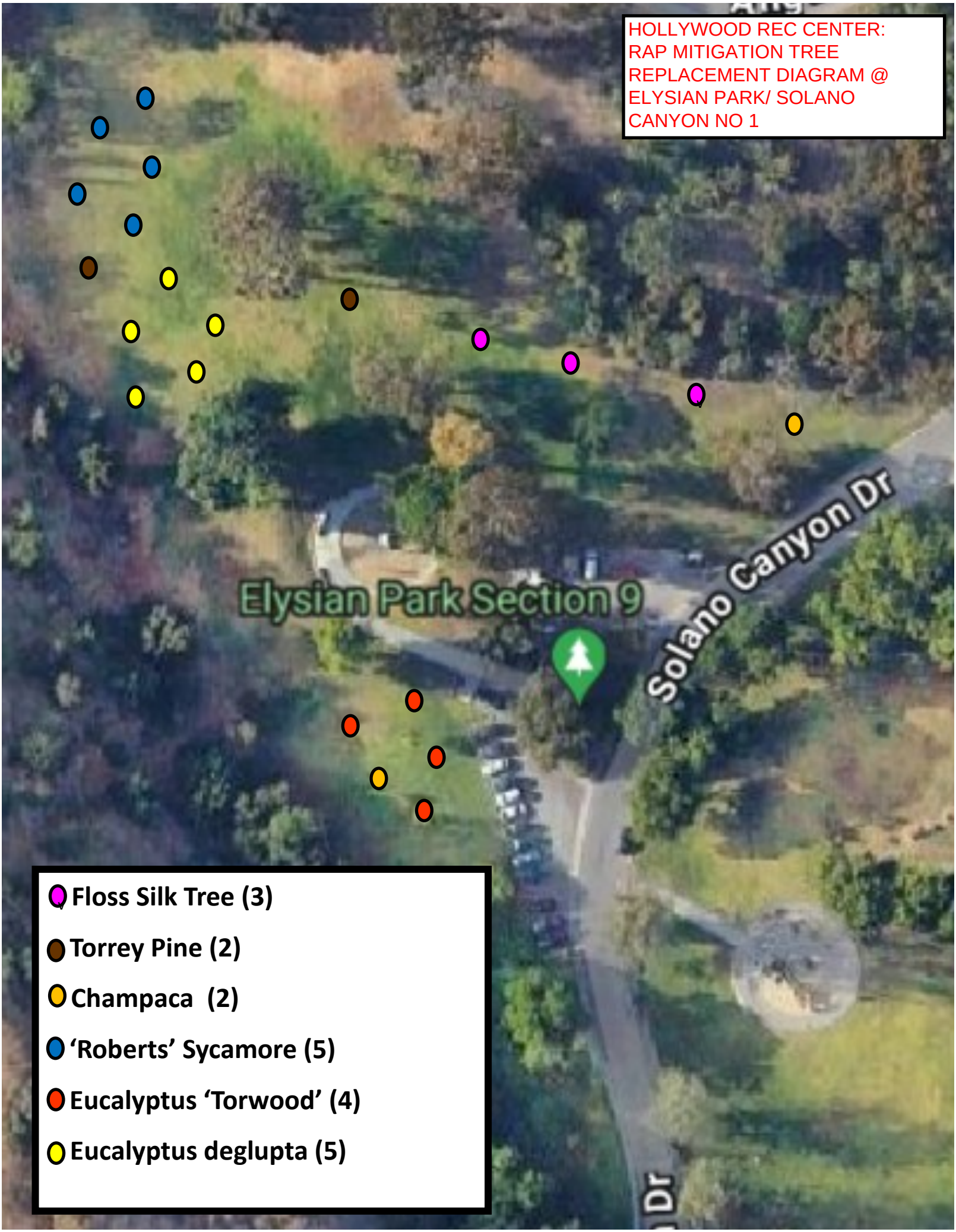
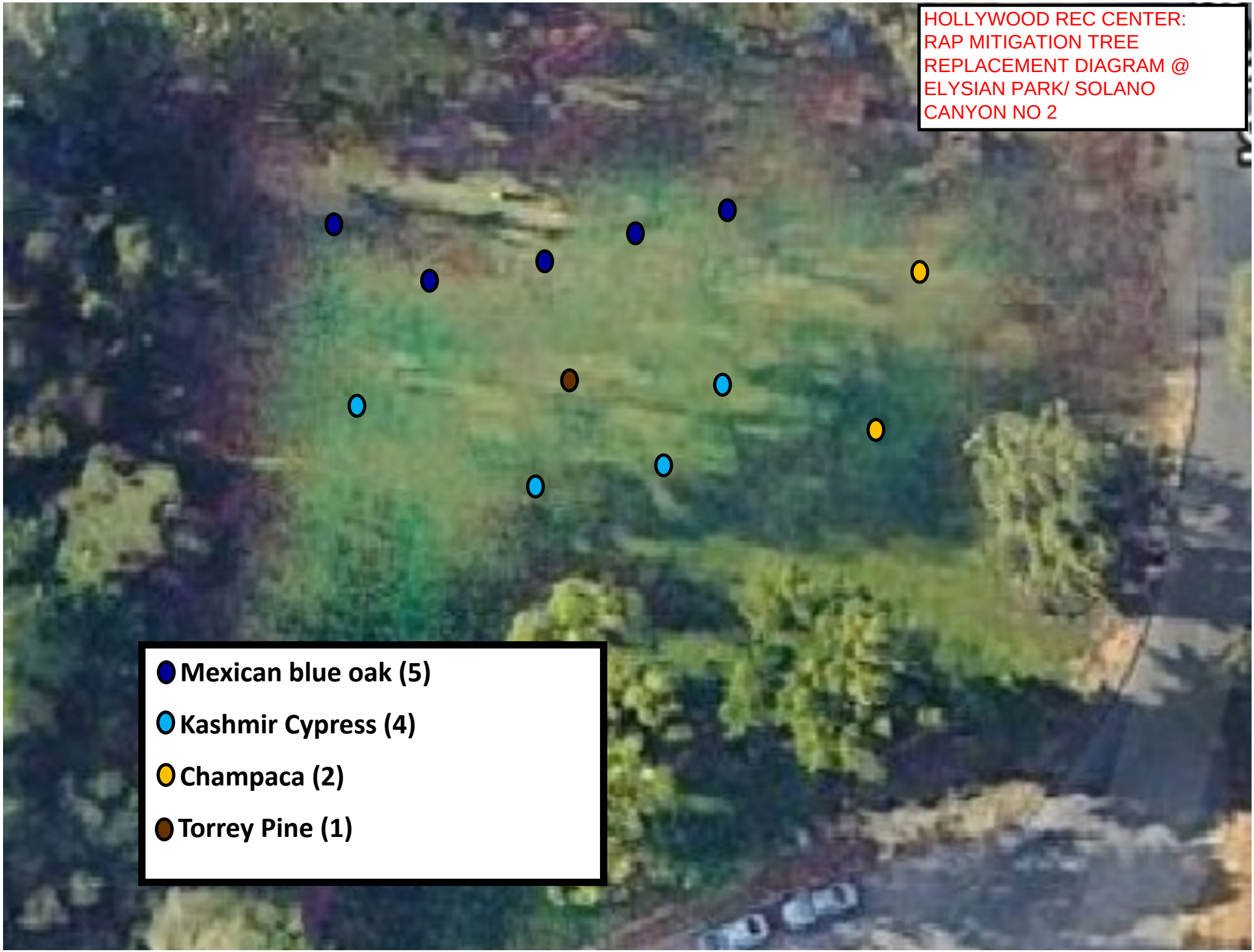
DRAWING NO.
E6.03
SHEET 0 OF SHEETS

PLOTTED:6/20/2024 1:54:55 PM


ATTACHMENT NO. 2
HOLLYWOOD REC CENTER:
RAP MITIGATION TREE
REPLACEMENT DIAGRAM @
ELYSIAN PARK/ CHAVEZ RAVINE
Five Finger Tree
Chavez Ravine
Rd Parking
Elysian Park Arboretum
Playground
Stadium Way
Floss Silk Tree (2)
Kashmir Cypress (1)
Champaca (1)
Torwood gum (1)
Google


HOLLYWOOD REC CENTER:
RAP MITIGATION TREE
REPLACEMENT DIAGRAM @
ELYSIAN PARK/ SOLANO
CANYON NO 1
Elysian Park Section 9
Solano Canyon Dr
Floss Silk Tree (3)
Torrey Pine (2)
Champaca (2)
'Roberts' Sycamore (5)
Eucalyptus 'Torwood' (4)
Eucalyptus deglupta (5)


HOLLYWOOD REC CENTER:
RAP MITIGATION TREE
REPLACEMENT DIAGRAM @
ELYSIAN PARK/ SOLANO
CANYON NO 2
Mexican blue oak (5)
Kashmir Cypress (4)
Champaca (2)
Torrey Pine (1)

COUNTY CLERK'S USE

Attachment 3

CITY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
1149 S. BROADWAY, 7th FLOOR
LOS ANGELES, CALIFORNIA 90015

CALIFORNIA ENVIRONMENTAL QUALITY ACT

NOTICE OF EXEMPTION

(Articles II and III – City CEQA Guidelines)

Submission of this form is optional. The form shall be filed with the County Clerk, 12400 E. Imperial Highway, Norwalk, California, 90650, pursuant to Public Resources Code Section 21152(b). Pursuant to Public Resources Code Section 21167(d), the filing of this notice starts a 35-day statute of limitations on court challenges to the approval of the project.

LEAD CITY AGENCY AND ADDRESS: City of Los Angeles c/o Bureau of Engineering 1149 S. Broadway, 6th Floor, MS 939 Los Angeles, CA 90015	**COUNCIL DISTRICT** 13
PROJECT TITLE: Hollywood Recreation Center - Modern Gym W.O. E1908203 / CIP No. K265	**LOG REFERENCE**

PROJECT LOCATION: 1122 Cole Avenue, Los Angeles, CA 90038, within the Hollywood Community Plan Area of the City. See Figure 1: Project Location and Figure 2: Hollywood Recreation Center & Project Site Layout. TG 593 - F6

DESCRIPTION OF NATURE, PURPOSE, AND BENEFICIARIES OF PROJECT: The Hollywood Recreation Center - Modern Gym project (Project) involves improvements to an existing City Recreation Center operated by the Department of Recreation and Parks (RAP). The Project objective is to replace older, obsolete structures with updated facilities. The existing sub-standard gym and staff office will be removed and replaced with a new modern gym and recreational facility. The proposed modern building structure will consist of a new approximately 13,907-square-foot building, with a full-size basketball court, multipurpose rooms, recreation center office space, kitchen, restrooms, and support facilities. The Project scope also includes the relocation/replacement of the existing children's play area with a new playground, outdoor basketball court, outdoor exercise stations, outdoor shade structure, picnic area, lawn, landscaping, irrigation, security lighting, and surface parking spaces. The benefits/beneficiaries of the Project would include the local community and park users *(see narrative for additional information).*

On October 24, 2023, the City Engineer signed the Project Plans. On _____, 2023, the Board of Recreation and Park Commissioners determined the Project was exempt under the California Environmental Quality Act (CEQA) and approved the Project.

CONTACT PERSON	**TELEPHONE NUMBER**
Maria Martin	(213) 485-5753

EXEMPT STATUS: (Check One)

	CITY CEQA GUIDELINES	STATE CEQA GUIDELINES
CATEGORICAL EXEMPTION*		Sec. 15332

* See Public Resources Code Sec. 21080 and set forth state and city guidelines provisions.

JUSTIFICATION FOR PROJECT EXEMPTION: This project is exempt from California Environmental Quality Act (CEQA) pursuant to State CEQA Guidelines Article 19, Section 15332, Class 32 consists of in-fill development projects. The project involves replacement of an outdated facility and construction of a new two-story gym building and ancillary facilities or structures to accommodate the existing park Recreation Center operations. *None of the limitations set forth in State CEQA Guidelines 15300.2 apply (see attached narrative).*

IF FILED BY APPLICANT, ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING

SIGNATURE: M E Martin Maria Martin	TITLE: Environmental Affairs Officer Environmental Management Group	DATE: 10/24/2023

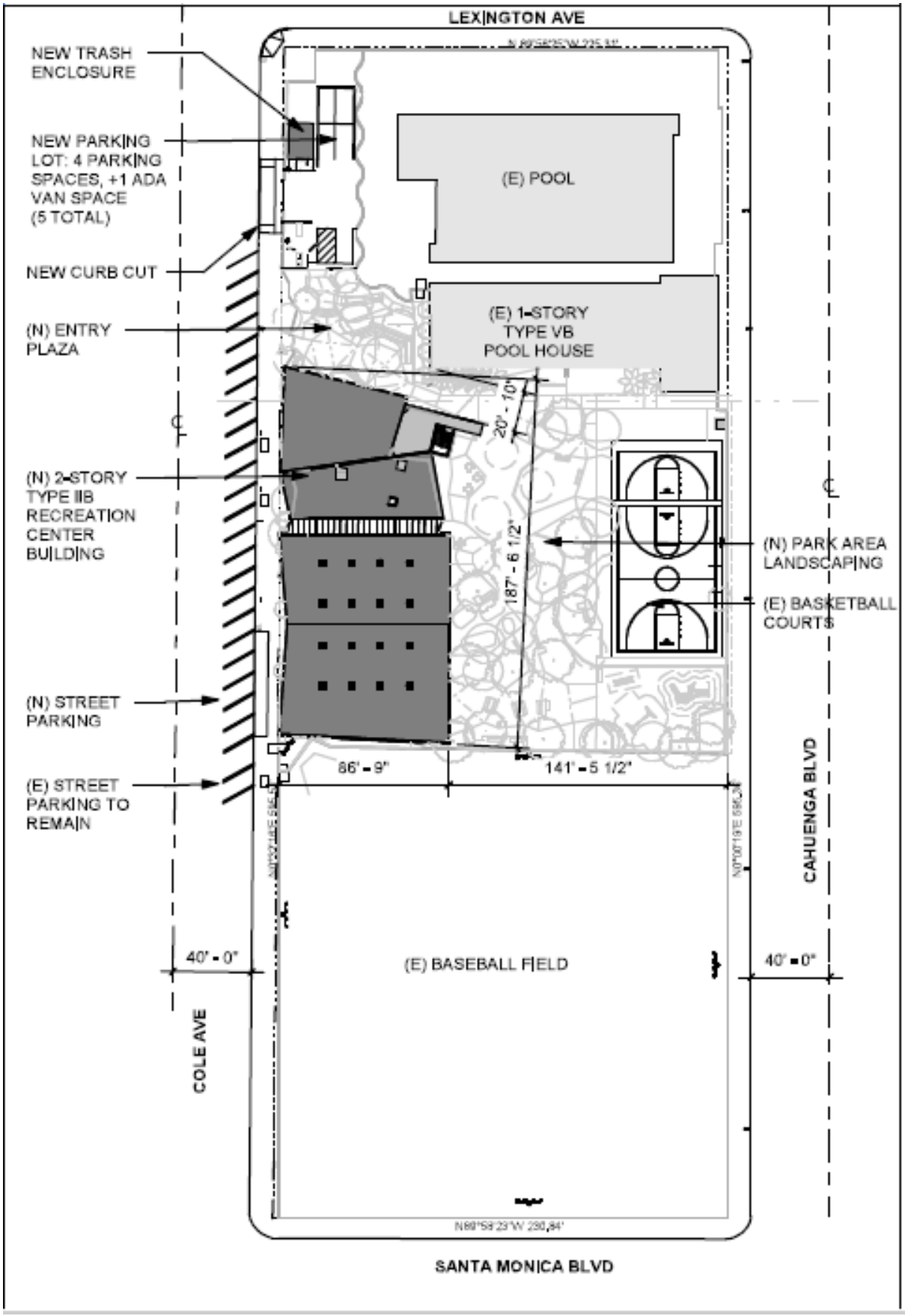
	RECEIPT NO.	REC'D BY	DATE

DISTRIBUTION: (1) County Clerk; (2) Agency Record

Figure 1: Project Location



Figure 2: Hollywood Recreation Center & Project Site Layout



CATEGORICAL EXEMPTION NARRATIVE

I. PROJECT DESCRIPTION, CONTINUED

The Hollywood Recreation Center (Recreation Center) is a 2.5-acre facility bounded by Santa Monica Boulevard on the south, Lexington Avenue on the north, Cole Avenue on the west, and North Cahuenga Boulevard on the east. The southern half of the property contains a baseball diamond, the center contains 5,000-square foot community hall/gymnasium and an outdoor basketball court. The northern half of the property contains a pool and a bath house that completed construction in 2016. Outdoor areas are landscaped with mature trees and lawn, and a chain-link fence is set up around the pool area. The Project site is zoned OS-1XL with a General Land Use Designation of Open Space. Residential uses and a car repair shop are located to the west, multi-family residential uses are located to the north, residential uses and a car wash to the east, and commercial uses to the south.

The proposed Project consists of a new replacement gym, approximately 13,907-square foot two-story building with a full-size basketball court, multipurpose room, computer lab, staff office, kitchen, restroom, support facilities, and photovoltage installation, in which the building energy consumption on an annual basis will be offset by the amount of renewable energy generated on-site. The project scope also includes relocation/replacement of the existing children's play area with a new playground, outdoor basketball court, outdoor exercise/fitness stations, outdoor shade structure, picnic area, lawn, landscaping, irrigation, security lighting, and five staff parking spaces. The existing sub-standard gymnasium and staff office, approximately 8,000 square feet, will be demolished and removed. The Project will consolidate and optimize location and operation of various existing uses at the Recreation Center. Sixteen existing trees will be removed, and 21 new trees will be planted. Tree replacement will be in accordance with applicable RAP policies including replacement ratios in the Urban Forest Program (RAP, 2004).

The construction is not anticipated to substantially increase vehicle trips or traffic congestion. The Project is not anticipated to result in aesthetic or visual impacts because the building will be replaced with a new building of scale consistent with the site and surrounding community. Construction is anticipated to start approximately early summer 2024 with a 20-month duration. The site will be not be operational through portions of the construction phases.

As applicable, the construction work shall be performed in accordance with Work Area Traffic Control Handbook (WATCH) as required by the California Manual on Uniform Traffic Control Devices (CA MUTCD) published by Caltrans. City construction crews will coordinate with schools and Department of Transportation and provide flaggers when required. When any nearby Project activity encroaches upon a sidewalk, walkway or crosswalk area, pedestrians shall be provided warning if they are detoured away from the construction site. Advance notification of sidewalk closures shall be provided in mail by at least one lane of traffic in each direction will be maintained.

In compliance with the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code Sections 3503 and 3503.5, tree removal activities would take place outside of the nesting bird season (February 1 to September 1) to the extent feasible. In accordance with these regulatory requirements, efforts would be made to schedule removal of mature trees between September 2 and January 31 to avoid the nesting bird season. If activities were to occur during the nesting bird season, all suitable habitats would be thoroughly surveyed for the presence of nesting birds by a qualified biologist (or qualified arborist) within three days prior to any tree removal. If any active nests are detected, the area will be flagged, and a minimum 250-foot (500-foot for raptors) non-disturbance buffer would be established (a modification to this buffer would be determined by the monitoring biologist and in consultation with U.S. Fish and Wildlife Service and the California Department of Fish and Wildlife), and would be avoided

until the nesting cycle has been completed or the monitoring biologist determines that the nest has failed.

In the event that unanticipated historical artifacts were encountered during construction, the City will follow Standard Specifications for Public Works Construction, Section 6-6.2, (Greenbook, 2021), which states: “If discovery is made of items of archaeological or paleontological interest, the Contractor shall immediately cease excavation in the area of discovery and shall not continue until ordered by the Engineer.” Therefore, during activities in which there will be ground disturbances (i.e., digging, drilling, etc.) if any evidence of archaeological, cultural, or paleontological resources are found, all work within the vicinity of the find shall stop until a qualified archaeologist can assess the finds and make recommendations. No excavation of any finds should be attempted by project personnel unless directed by a qualified archaeologist. Construction activities may continue in other areas. If the discovery proves significant under CEQA (Section 15064.5f; Public Resources Code or PRC 21082), additional work such as testing, or data recovery may be warranted.

The discovery of human remains is always a possibility during ground disturbances; State of California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the Los Angeles County Coroner has made a determination of origin and disposition pursuant to PRC Section 5097.98. The Los Angeles County Coroner must be notified of the find immediately. If the human remains are determined to be prehistoric, the Coroner will notify the Native American Heritage Commission, which will determine and notify a Most Likely Descendent (MLD). The MLD shall complete the inspection of the site within 48 hours of notification and may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.

This Project involves routine construction work to improve operations and services at a recreation center. Standard conditions and construction practices will be implemented for this Project. No unusual construction noise or traffic effects are anticipated. The Los Angeles Municipal Code Section 111 would be applicable for construction hours from 7:00 am to 9:00 pm on Monday through Friday and from 8:00 am to 6:00 pm on Saturdays.

Unless otherwise stated, the proposed Project will be designed, constructed and operated following all applicable laws, regulations, ordinances and formally adopted City standards including but not limited to:

- Los Angeles Municipal Code
- Bureau of Engineering Standard Plans
- Standard Specifications for Public Works Construction “Greenbook”
- Work Area Traffic Control Handbook
- Additions and Amendments to the Standard Specifications for Public Works Construction
- City of Los Angeles Recreation and Parks *Urban Forest Program*

II. PROJECT HISTORY

Circa 2005, the Hollywood Recreation Center facilities, which were built in the mid 1950's, were deemed to be physically obsolete, with limited operational function that did not address the needs of the community. The City proposed to upgrade the Hollywood Recreation Center in two phases. Phase I consisted of the demolition, design, and construction of a new pool and pool building. In conformance with CEQA, in 2009, the Bureau of Engineering (BOE) prepared a mitigated negative declaration/initial study for Phase I (DPW BOE, 2009). The proposed Project is the second phase of the facility upgrades and consists of the design and construction of a new gym and other improvements as described above.

Although the two phases of the Hollywood Recreation center improvements are related, each phase has independent utility and timeline. As indicated above, the new pool and pool building were completed in 2016 and have been operational since project completion.

III. ENVIRONMENTAL REVIEW

Basis for Categorical Exemption

The proposed Project is exempt from CEQA pursuant to State CEQA Guidelines Article 19, Section 15332, *In-fill Development Projects*. Class 32 consists of projects characterized as in-fill development meeting the conditions described below:

(a) The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.

The Project is located on a City-owned property with an Open Space land use designation which allows for recreational uses and is developed with the Hollywood Recreation Center. The Project is consistent with the land use designation and current use as it replaces existing facilities with more efficient gym building and ancillary facilities to help meet the current demand on the recreation center.

(b) The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses.

The northern parcel of the recreation center where the Project is taking place is approximately 2.22 acres and the southern parcel is less than one acre, thus the Project site is less than five acres. The site is surrounded by urban uses with residential uses and a car repair shop located to the west, multi-family residential uses located to the north, residential uses and a car wash to the east, and commercial uses to the south.

(c) The project site has no value as habitat for endangered, rare or threatened species.

The Project site is in a highly urbanized area and is developed with a recreation center that is surrounded by active streets and urban uses. Although it contains trees, given the location, type of trees, landscaped areas and site use, it is not considered as having value for endangered or threatened species. The project will comply with the MBTA and California Fish and Game Code Sections 3503 and 3503.5, thus is not anticipated to impact any potential nesting birds.

(d) Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.

The project would not result in any significant effects related to traffic, noise, air quality, or water quality. Refer to Section 3. Significant Effect below for additional information regarding potential impacts in these areas.

(e) The site can be adequate served by all required utilities and public services.

The Project site is developed with an active recreation center that is served by public utilities and public services, including water, sewer, and waste disposal.

Consideration of Potential Exceptions to use of a Categorical Exemption

The State CEQA Guidelines (CCR Sec 15300.2) limit the use of categorical exemptions in the following circumstances:

1. **Location.** Exemption Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located – a project that is ordinarily insignificant in its impact on the environment may be significant in a particularly sensitive environment. Therefore, these classes are considered to apply all instances except where the project may impact on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.

   The Project is located in an infill area that has been previously developed and no impact to sensitive environment is expected. The site is developed and currently operates as a Recreation Center and will continue to be used for such purposes within the same boundaries. The Hollywood Recreation Center will not expand the capacity of its services rather optimize location and operation of existing services within the existing recreation center. According to Navigate LA and the City's General Plan, the site is not located on an area with an environmental resource of critical concern. Therefore, this exemption does not apply.

2. **Cumulative Impact**. This exception applies when, although a particular project may not have a significant impact, the cumulative impact of successive projects of the same type in the same place, over time is significant.

   The life of the Project would be for approximately 50 years and there are no other known projects that overlap with this Project in the same site and of the same type. Thus, this project is not expected to result in a cumulative impact when combined with successive projects of the same type in the same place, over time.

3. **Significant Effect**. This exception applies when, although the project may otherwise be exempt, there is a reasonable possibility that the project will have a significant effect due to unusual circumstances.

   Air Quality

   Based on a construction scenario by the South Coast Ari Quality Management District (SCAQMD), for work on a two-acre project site, that includes demolition, grading and construction of an 87,000 square foot structure, the Project, which would construct a 13,907-square-foot building and demolish a smaller existing structure within an active construction area less than two acres in site, is not anticipated to exceed the South Coast Ari Quality Management District (SCAQMD) construction thresholds. The Project site is an active recreation center. The existing gym was constructed in the 1950's. It is not unusual for facilities such as the recreation center to need improvement and restoration due to use and wear. The Project is a local serving project that is not anticipated to substantially change operations. Therefore, no reasonable possibility that the project will have a significant effect to air quality due to unusual circumstances has been identified.

   Biological Resources

   The Project site is an active recreation center. Tree removal will be conducted in accordance with applicable RAP policies and guidelines, including replacement ratios. The Project will also include best management practices for compliance with the Migratory Bird Treaty Act and California Fish and Game Code Sections 3503 and 3503.5. It is not unusual for RAP facilities to need upgrades and replacement as the infrastructure ages. Such projects often include tree removal and replacement of

park trees. With applicable tree replacement and adherence to applicable regulations as described herein, no reasonable possibility that the Project will have a significant effect on biological resources due to unusual circumstances has been identified. Therefore, this exception has no application to this Project.

Cultural Resources

The BOE retained LSA Associates, Inc. (LSA) to conduct a historic resources assessment of the Hollywood Recreation Center, 1122 North Cole Avenue during the planning phase of the Hollywood Recreation Center - Pool & Pool Building project. The historic resources assessment included all structures within the footprint of the Recreation Center, including the existing gym, which is now proposed for demolition and upgrade. This one-story building was constructed in 1950 and houses offices, an auditorium, a kitchen, community rooms, and storage space. The kitchen was added in 1984.

According to the LSA assessment the "Hollywood Recreation Center is a modest example of Mid-Century Modern architecture and one of 30 City Pools constructed in the immediate post-WWII era to meet the demands of an explosion of post-war residential growth in Los Angeles." The assessment found that the Recreation Center did not appear to meet the criteria for listing in the California Register or for designation as a Los Angeles Historic Cultural Monument and that the Hollywood Recreation Center was not considered a "historical resource" under CEQA. The proposed demolition/reconstruction of the pool, renovations to the bath house, and potential alterations to the gymnasium were deemed not result in a substantial adverse change in the significance of a historical resource.

No known archaeological resources were identified within the Project site. However, as indicated above, "Greenbook" Standard Specification would be used in the event that unanticipated resources were encountered during construction. With the implementation of these standard specifications, the proposed Project is not anticipated to result in any significant impacts related to archaeological resources.

No known cultural resources occur within the Project site, upgrades of aging City facilities and construction methodology are not unique or unusual, thus no reasonable possibility that the Project will have a significant effect on cultural resources due to unusual circumstances has been identified. Therefore, this exception has no application to this Project.

Hazards & Hazardous Materials - Hazardous Waste

As of October 12, 2023, the Hollywood Recreation Center is not listed as a hazardous materials site in EnviroStor.

Due to the age of the gymnasium, it is believed the structure may contain asbestos tiles and lead based paint as is typical of buildings of this age in the City. Per regulatory requirements, a pre-demolition survey and abatement services will be performed, and all applicable hazardous materials regulations will be followed. It is not unusual during demolition activities involving buildings of such age to encounter such materials which shall be handled in accordance with applicable South Coast Air Quality Management District regulations. Therefore, no impacts related to hazards and hazardous materials are expected.

Traffic and Transportation

The Project site is an active recreation center. The Project is a local serving, low traffic and low VMT-generating land use. The Project's main goals are to consolidate and relocate several existing uses within the recreation center rather than adding new operations or uses.

Repair or replacement of outdated and aged structures is common within the City's recreation centers. Standard construction methodologies are anticipated. For the reasons stated above, there is no reasonable possibility that the project will have a significant effect due to unusual circumstances. Therefore, this exception has no application to this Project.

Water Quality

The Project site is an active recreation center and operation are not anticipated to change substantially, rather operate more efficient with the use of the new gymnasium. During construction, applicable standard specifications for stormwater management for projects of this size will be followed by the contractor that would manage any potential off-site flow. Thus no impacts related to water quality are anticipated.

4. Scenic Highway. A categorical exemption shall not be used for a project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway.

No scenic highway is located within the vicinity of the project or within the project site (https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways).

Since the proposed project is not within a state designated scenic highway or within sight of any state designated scenic highway, this exception has no application.

5. Hazardous Waste Site. This exception applies when a project is located on a site listed as a hazardous waste site under Government Code Section 65962.5.

As of October 12, 2023, the project site is not listed as a hazardous waste site under Government Code Sections 65962.5, per State Department of Toxic Substances Control (DTSC) (Envirostor at www.envirostor.dtsc.ca.gov) the California Regional Water Quality Control Board (RWQCB) (Geotracker at https://geotracker.waterboards.ca.gov/). Therefore, this exception does not apply.

6. Historical Resources. This exception applies when a project may cause a substantial adverse change in the significance of a historical resource.

As indicated above, the Project is not anticipated to result in a substantial adverse change in the significance of a historical resource and is not considered a historical resource for the purposes of CEQA. Additionally, BMPs will be implemented to manage any unanticipated cultural finds.

For the reasons state above, no substantial adverse impact to cultural resources, including historical resources, is anticipated, and as such this exception does not apply.

IV. REFERENCES

California Regional Water Quality Control Board. *Geotracker.* Retrieved October 12, 2023, from https:// geotracker.waterboards.ca.gov.

City of Los Angeles Department of City Planning Parcel Profile Report for 1122 and 1160 N. Cole Avenue. Retrieved on October 11, 2023 from NavigateLA http://boemaps.eng.ci.la.ca.us/navigatela/.

City of Los Angeles Department of Public (DPW) Works Bureau of Engineering (BOE). *Initial Study/Mitigated Negative Declaration for Hollywood Recreation Center - Gym, Pool & Bathhouse.* October 26, 2009.

City of Los Angeles Department of Public Works Bureau of Engineering. *NavigateLA.* Accessed

various dates in October 2023 from http://boemaps.eng.ci.la.ca.us/navigatela/.

City of Los Angeles Recreation and Parks Department (RAP). October 2004. *Urban Forest Program*. Accessed various dates in October 2003 from https://www.laparks.org/sites/default/files/forest/pdf/UrbanForestProgram.pdf

City of Los Angeles Environmental Quality Act Guidelines.

Health and Safety Code Section 7050.5.

Los Angeles Municipal Code.

Public Resources Code Section 21082.

Public Resources Code Section 5097.98.

Standard Specifications for Public Works Construction. Greenbook, 2021 edition.

State Department of Toxic Substances Control. *Envirostor*. Retrieved October 12, 2023 from www.envirostor.dtsc.ca.gov.

South Coast Air Quality Management District (SCAQMD), *Sample Construction Scenarios for Projects Less than Five Acres in Size.* February 2005. Accessed from https://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/final-sample-construction-scenario-report.pdf?sfvrsn=2

(https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways). *California Scenic Highway Mapping System.* Accessed on October 12, 2023 from https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways/.