







ANDERSON BRULÉ ARCHITECTS

325 South First Street, 4th Floor San Jose, California 95113 408.298.1885 | www.aba-arch.com 409 Harvard Avenue, Suite 201 Claremont, CA 91711

1. APPLICABLE CODES

CODE REQUIREMENTS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- 2022 CALIFORNIA BUILDING STANDARDS CODE (CBC)
2022 CALIFORNIA MECHANICAL CODE (CMC)
2022 CALIFORNIA PLUMBING CODE (CPC)
2022 CALIFORNIA ELECTRICAL CODE (CEC)
2022 CALIFORNIA ENERGY CODE

2. OTHER STANDARDS

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)
2022 CALIFORNIA FIRE CODE AND ADOPTED AMENDMENTS

3. BUILDING ANALYSIS DATA BLOCK:

OCCUPANCY CLASSIFICATION AND USE: A-3, B
PER 2022 CBC SECTION 303.4
CONSTRUCTION TYPE: TYPE VB FULLY SPRINKLERED
PER 2022 CBC TABLE 303.4
ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE: 60'-0" PROVIDED +/-27'-6"
ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE: 2 STORIES PROVIDED
ALLOWABLE AREA FACTOR IN SQUARE FEET PER TABLE 504.3: 18,000 SF PROVIDED PER FLOOR (ENCLOSED AREA): 17,464 SF (MAIN LEVEL), 15,181 SF (LOWER LEVEL), 25,845 SF TOTAL
REFER TO SHEET G116 FOR OCCUPANT LOAD

EXISTING BUILDING DOES NOT HAVE CONSTRUCTION TYPE DESIGNATED IN THE RECORD DRAWINGS. BASED ON CONSTRUCTION DETAILS OF EXTERIOR MASONRY BLOCK WALLS AND INTERIOR MASONRY AND PLASTER ON WOOD STUD PARTITIONS, IT IS DEDUCED THAT THE EXISTING BUILDING IS 1-HR RATED. THEREFORE THE RENOVATION AND ADDITION IS BEING PROPOSED TO BE TYPE VB FULLY SPRINKLERED.

4. GENERAL BUILDING LIMITATIONS (BUILDING HEIGHT AND AREA)

SECTION 504.1 GENERAL
THE HEIGHT, IN FEET, AND THE NUMBER OF STORIES OF A BUILDING SHALL BE DETERMINED BASED ON THE TYPE OF CONSTRUCTION, OCCUPANCY CLASSIFICATION AND WHETHER THERE IS AN AUTOMATIC SPRINKLER SYSTEM INSTALLED THROUGHOUT THE BUILDING.

SECTION 504.3 - HEIGHT IN FEET - THE MAXIMUM HEIGHT, IN FEET, OF A BUILDING SHALL NOT EXCEED THE LIMITS SPECIFIED IN TABLE 504.3.

Table with 6 columns: OCCUPANCY, CONSTRUCTION TYPE, MAXIMUM HEIGHT, PROPOSED HEIGHT, MAXIMUM STORIES, PROPOSED STORIES. Row 1: A-3, VB, 60 FT, 27'-6", 2, 2

AREA INCREASE PER FRONTAGE INCREASE PER 506.3 - N/A?

NONSEPARATED OCCUPANCY PER 508.3 - FOLLOWING MOST RESTRICTIVE A-3 OCCUPANCY USE

5. CONSTRUCTION TYPE

TYPE VB FULLY SPRINKLERED NFPA 13 SYSTEM

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

Table with 2 columns: BUILDING ELEMENT, TYPE VB CONSTRUCTION. Rows include: PRIMARY STRUCTURAL FRAME (0), BEARING WALLS (EXTERIOR 0, INTERIOR 0), NONBEARING WALLS & PARTITIONS (EXTERIOR 0, INTERIOR 0), FLOOR CONSTRUCTION & ASSOCIATED SECONDARY STRUCTURAL MEMBERS (0), ROOF CONSTRUCTION & ASSOCIATED SECONDARY STRUCTURAL MEMBERS (0), SHAFT ENCLOSURES - PER CBC 713.4 (1), STAIR ENCLOSURES - PER CBC 1023.2 (1)

TABLE 602 - FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE.

SECTION 602.5 TYPES V
TYPE V CONSTRUCTION IS THAT TYPE OF CONSTRUCTION IN WHICH THE STRUCTURAL ELEMENTS, EXTERIOR WALLS AND INTERIOR WALLS ARE OF ANY MATERIALS PERMITTED BY THIS CODE.

Table with 5 columns: OCCUPANCY, TYPE OF CONSTRUCTION, BEARING/ LOCATION, FIRE SEPARATION DISTANCE, EXTERIOR WALL RATING REQUIRED. Row 1: A-3, VB, NORTH, N/A, 0-HR; EAST, 11 FT, 0-HR; SOUTH, N/A, 0-HR; WEST, 14'-3", 0-HR

NOTE: NORTH (FRONT SIDE) OF BUILDING IS MEASURED ROUGHLY FROM CENTERLINE OF STREET FOR FDS ON LAKECHIME DR

6. FIRE AND SMOKE PROTECTION FEATURES

705.2.2 TYPE III, IV OR V CONSTRUCTION

PROJECTIONS FROM WALLS OF TYPE III, IV OR V CONSTRUCTION SHALL BE OF ANY APPROVED MATERIAL.

MINIMUM DISTANCE OF PROJECTION PER 2022 CBC - TABLE 705.2

Table with 2 columns: FIRE SEPARATION DISTANCE - FSD (FEET), MINIMUM DISTANCE FROM LINE USED TO DETERMINE FSD. Rows: 0 TO LESS THAN 2 (PROJECTIONS NOT PERMITTED), 2 TO LESS THAN 3 (24 INCHES), 3 TO LESS THAN 5 (24 INCHES PLUS 8 INCHES FOR EVERY FOOT OF FSD BEYOND 3 FEET OR FRACTION THEREOF), 5 OR GREATER (40 INCHES)

SECTION 705.3 BUILDING ON THE SAME LOT
FOR THE PURPOSES OF DETERMINING THE REQUIRED WALL AND OPENING PROTECTION, PROJECTIONS AND ROOF COVERING REQUIREMENTS, BUILDING ON THE SAME LOT SHALL BE ASSUMED TO HAVE AN IMAGINARY LINE BETWEEN THEM.

WHERE A NEW BUILDING IS TO BE ERRECTED ON THE SAME LOT AS AN EXISTING BUILDING, THE LOCATION OF THE ASSUMED IMAGINARY LINE WITH RELATION TO THE EXISTING BUILDING SHALL BE SUCH THAT THE EXTERIOR WALL AND OPENING PROTECTION OF THE EXISTING BUILDING MEET THE CRITERIA AS SET FORTH IN SECTIONS 705.5 AND 705.8.

FOR GROUP A, E, H, L AND R OCCUPANCIES, HIGH-RISE BUILDINGS, AND OTHER APPLICATIONS LISTED IN SECTION 1.11 REGULATED BY THE OFFICE OF THE STATE FIRE MARSHAL, EXTERIOR WALLS SHALL BE FIRE-RESISTANCE RATED IN ACCORDANCE WITH TABLES 601 AND 602 AND THIS SECTION. THE REQUIRED FIRE-RESISTANCE RATING OF EXTERIOR WALLS SHALL BE RATED FOR EXPOSURE TO FIRE FROM BOTH SIDES.

MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION PER 2019 CBC - TABLE 705.8

Table with 3 columns: FIRE SEPARATION DISTANCE (FT), DEGREE OF OPENING PROTECTION, ALLOWABLE AREA. Rows: 5 TO LESS THAN 10' (UNPROTECTED, SPRINKLERED (UP, S) 25%), 10 TO LESS THAN 15' (UNPROTECTED, SPRINKLERED (UP, S) 45%), 15 TO LESS THAN 20' (UNPROTECTED, SPRINKLERED (UP, S) 75%), 20 TO LESS THAN 25' (UNPROTECTED, SPRINKLERED (UP, S) NO LIMIT)

UP, S = UNPROTECTED OPENINGS IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1.

SECTION 705.8.3 UNPROTECTED OPENINGS
WHERE UNPROTECTED OPENINGS ARE PERMITTED, WINDOWS AND DOORS SHALL BE CONSTRUCTED OF ANY APPROVED MATERIALS. GLAZING SHALL CONFORM TO THE REQUIREMENTS OF CHAPTERS 24 AND 26.

SECTION 903.2.1.3 GROUP A-3
AN AUTOMATIC SPRINKLER SYSTEM SHALL BE PROVIDED THROUGHOUT STORIES CONTAINING GROUP A-3 OCCUPANCIES AND THROUGHOUT ALL STORIES FROM THE GROUP A-3 OCCUPANCY TO AND INCLUDING THE LEVELS OF EXIT DISCHARGE SERVING THAT OCCUPANCY WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:

- THE FIRE AREA EXCEEDS 12,000 SQUARE FEET (1115 M2).
THE FIRE AREA HAS AN OCCUPANT LOAD OF 300 OR MORE.
THE FIRE AREA IS LOCATED ON A FLOOR OTHER THAN A LEVEL OF EXIT DISCHARGE SERVING SUCH OCCUPANCIES.
THE STRUCTURE EXCEEDS 12,000 SQUARE FEET (1115 M2), CONTAINS MORE THAN ONE FIRE AREA CONTAINING EXHIBITION AND DISPLAY ROOMS, AND IS SEPARATED INTO TWO OR MORE BUILDINGS BY FIRE WALLS OF LESS THAN FOUR-HOUR FIRE-RESISTANCE RATING WITHOUT OPENINGS.

SECTION 903.3 - INSTALLATION REQUIREMENTS
AUTOMATIC SPRINKLER SYSTEMS SHALL BE DESIGNERED AND INSTALLED IN ACCORDANCE WITH SECTIONS 903.3.1 THROUGH 903.3.9.

7. SPRINKLERS

SECTION 903.3.1 - STANDARDS
SPRINKLER SYSTEMS SHALL BE DESIGNERED AND INSTALLED IN ACCORDANCE WITH SECTION 903.3.1.1 UNLESS OTHERWISE PERMITTED BY SECTIONS 903.3.1.2 AND 903.3.1.3 AND OTHER CHAPTERS OF THIS CODE, AS APPLICABLE.

SECTION 903.3.1.1 - NFPA 13 SPRINKLER SYSTEMS
WHERE THE PROVISIONS OF THIS CODE REQUIRE THAT A BUILDING OR PORTION THEREOF BE EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH THIS SECTION, SPRINKLERS SHALL BE INSTALLED THROUGHOUT IN ACCORDANCE WITH NFPA 13 AS AMENDED IN CHAPTER 35 EXCEPT AS PROVIDED IN SECTION 903.3.1.1.1 AND 903.1.1.2.

8. BICYCLE PARKING

SECTION 5.106.4 BICYCLE PARKING
FOR BUILDINGS WITHIN THE AUTHORITY OF CALIFORNIA BUILDING STANDARDS COMMISSION AS SPECIFIED IN SECTION 103, COMPLY WITH SECTION 5.106.4.1, FOR BUILDINGS WITHIN THE AUTHORITY OF THE DIVISION OF THE STATE ARCHITECT PURSUANT TO SECTION 105, COMPLY WITH SECTION 5.106.4.2.

SECTION 5.106.4.2 BICYCLE PARKING [DSA-SS] FOR PUBLIC SCHOOLS AND COMMUNITY COLLEGES, COMPLY WITH SECTIONS 5.106.4.2.1 AND 5.106.4.2.2.

8. EGRESS

SECTION 1006.3.2 - EGRESS BASED ON OCCUPANT LOAD
EACH STORY AND OCCUPIED ROOF SHALL HAVE THE MINIMUM NUMBER OF SEPARATE AND DISTINCT EXITS, OR ACCESS TO EXITS, AS SPECIFIED IN TABLE 1006.3.2. A SINGLE EXIT OR ACCESS TO A SINGLE EXIT SHALL BE PERMITTED IN ACCORDANCE WITH SECTION 1006.3.3. THE REQUIRED NUMBER OF EXITS, OR EXIT ACCESS STAIRWAYS OR RAMPS PROVIDING ACCESS TO EXITS, FROM ANY STORY OR OCCUPIED ROOF SHALL BE MAINTAINED UNTIL ARRIVAL AT THE EXIT DISCHARGE OR A PUBLIC WAY.

MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY 2022 CBC - TABLE 1006.3.3

Table with 2 columns: OCCUPANT LOAD PER STORY, MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS FROM STORY. Row 1: 501-1000, 3

9. PLUMBING CALCULATIONS

2022 CALIFORNIA PLUMBING CODE

CHAPTER 4: PLUMBING FIXTURES AND FIXTURE FITTINGS

SECTION 422.0 MINIMUM NUMBER OF REQUIRED FIXTURES

422.1 FIXTURE COUNT - PLUMBING FIXTURES SHALL BE PROVIDED FOR THE TYPE OF BUILDING OCCUPANCY AND IN THE MINIMUM NUMBER SHOWN IN TABLE 422.1. THE TOTAL OCCUPANCY LOAD AND OCCUPANCY CLASSIFICATION SHALL BE DETERMINED IN ACCORDANCE WITH THE CALIFORNIA BUILDING CODE. OCCUPANCY CLASSIFICATION NOT SHOWN IN TABLE 422.1 SHALL BE CONSIDERED SEPARATELY BY THE AUTHORITY HAVING JURISDICTION.

THE MINIMUM NUMBER OF FIXTURES SHALL BE CALCULATED AT 50 PERCENT MALE AND 50 PERCENT FEMALE BASED ON THE TOTAL OCCUPANT LOAD.

OCCUPANCY CALCULATIONS

HYBRID CALCS - CPC 2022 TABLE 4-1 & CBC 2022 TABLE 1004.5 FOR READING & STACK AREAS

Table with 4 columns: USE, TOTAL AREA (SF), OCCUPANT LOAD FACTOR, NUMBER OF OCCUPANTS (ROUNDED TO THE NEAREST WHOLE NUMBER). Rows include: A - UNCONCENTRATED / NON-CONCENTRATED (CONFERENCE, LOUNGE, PORTABLE SEATING/ TABLE SPACE), A-3 - READING (CH. 10 CBC), A-3 - STACKS (CH. 10 CBC), B - OFFICE, SALES/SOLICITING, ADMINISTRATION, FOOD PROCESSING, COURTROOM, AMBULATORY CLINIC. TOTAL: 334

ACCESSORY AREAS EXCLUDED IN PLUMBING CALCULATIONS: HALLWAYS & RESTROOMS

PLUMBING FIXTURE SUMMARY

(2022 CPC TABLE 422-1)

Table with 10 columns: OCCUPANCY TYPE, NO OF OCCUPANTS (MALE, FEMALE), WATERCLOSETS (MALE, FEMALE, ALL GENDER), URINALS (MALE, FEMALE, ALL GENDER), LAVATORIES (MALE, FEMALE, ALL GENDER), DRINKING FOUNTAINS, SERVICE SINK. Rows include: A-3, B, REQUIRED PER CODE, TOTAL PROVIDED.

CONSULTANTS LOGO

STAMP



NO. DATE REVISIONS

Table with 3 columns: NO., DATE, REVISIONS. Empty rows for revisions.

PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

BASE BID CODE ANALYSIS

SCALE: 1/8" = 1'-0"

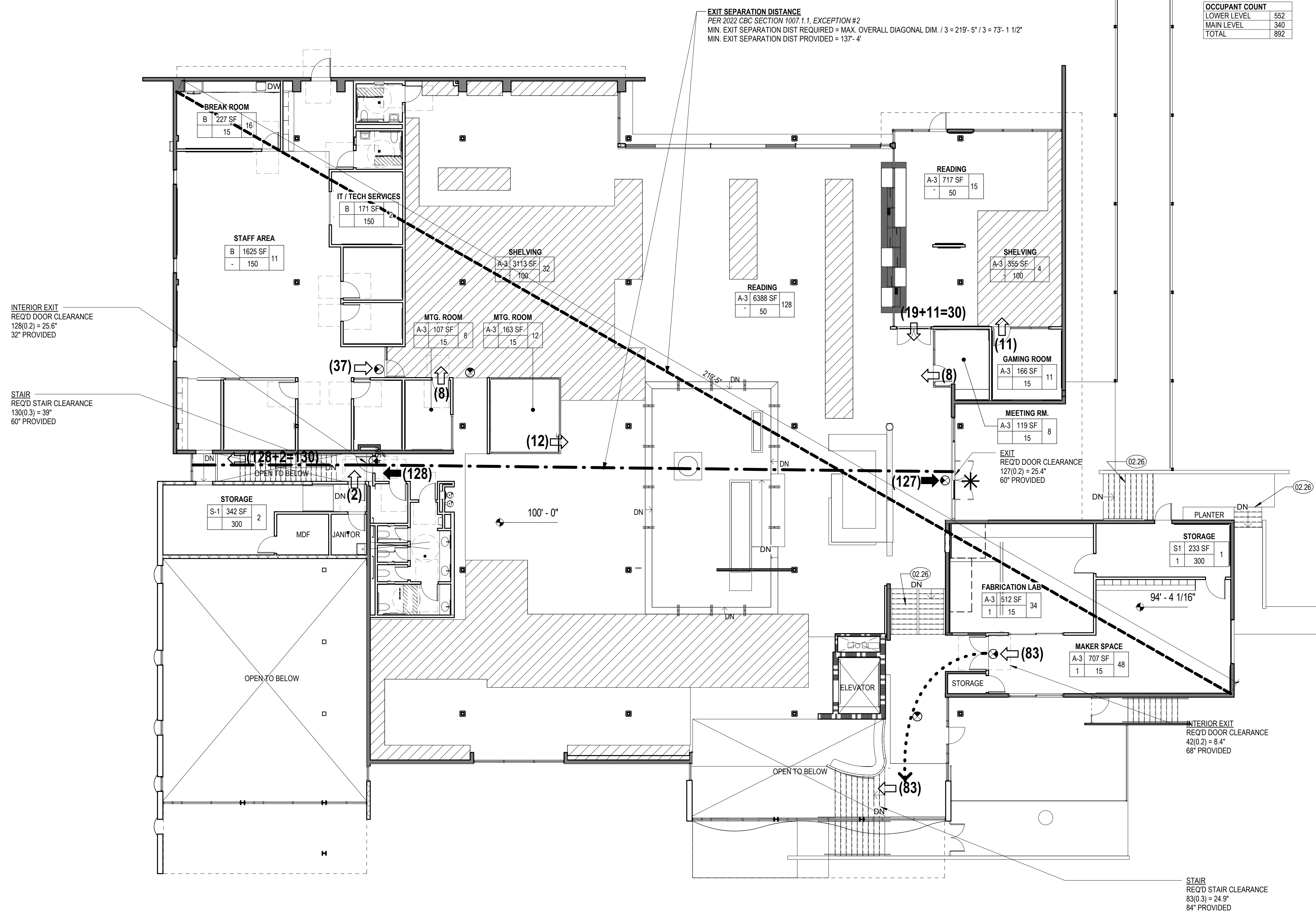
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G002

CODE PLAN SHEET NOTES

- A. SEE SHEET A900 FOR WALL TYPES
- B. ALL GLAZING ASSEMBLIES IN FIRE RATED PARTITIONS TO BE RATED AS REQUIRED TO MAINTAIN RATING OF PARTITION.

OCCUPANT COUNT	
LOWER LEVEL	552
MAIN LEVEL	340
TOTAL	892



1 CODE PLAN - MAIN LEVEL - ADD ALTS  
3/32" = 1'-0"

CODE PLAN KEYNOTES

- 02.26 (E) STAIRS AND HANDRAIL TO REMAIN PER ACCESSIBILITY UPGRADE EXCEPTIONS CA BUILDING CODE 11N-207.1 (EXCEPTION 3), 11B-210.1 (EXCEPTION 2), AND 11B-905.10 (EXCEPTION 3)

CONSULTANTS LOGO

STAMP

NOT FOR CONSTRUCTION

NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**ADD ALTERNATE CODE PLANS**

SCALE: 3/32" = 1'-0"

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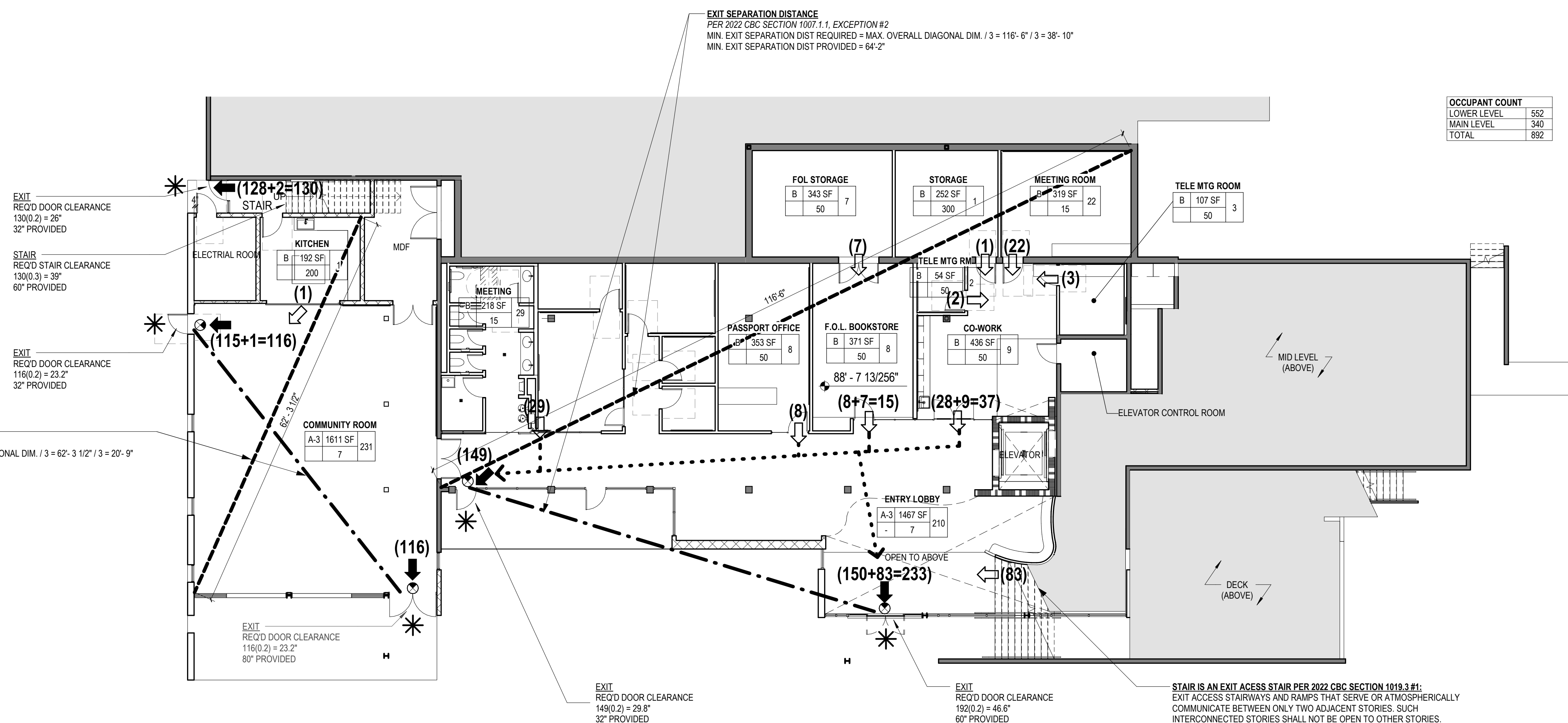
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CODE PLAN LEGEND

- SHELVING
- EGREES PATH OF TRAVEL FROM PROJECT AREA
- OCCUPANT LOAD EXITING THROUGH AN EXIT OR EXIT ACCESS DOORWAY
- OCCUPANT LOAD EXITING THROUGH INTERMEDIATE SPACES
- OCCUPANT LOAD
- STAFF WORKROOM
- OCCUPANCY GROUP
- # OF OCCUPANTS
- OCCUPANCY LOAD FACTOR
- MINIMUM NUMBER OF REQUIRED EXITS
- MAX. OVERALL DIAGONAL DIM. OF BUILDING
- EXIT SEPARATION DISTANCE
- EXIT SIGNAGE; SEE ELECTRICAL DRAWINGS
- FIRE EXTINGUISHER CABINET
- EXIT DISCHARGE
- 1 HOUR FIRE RATED PARTITION

EXIT SEPARATION DISTANCE  
PER 2022 CBC SECTION 1007.1.1, EXCEPTION #2  
MIN. EXIT SEPARATION DIST REQUIRED = MAX. OVERALL DIAGONAL DIM. / 3 = 116'-6" / 3 = 38'-10"  
MIN. EXIT SEPARATION DIST PROVIDED = 64'-2"

OCCUPANT COUNT	
LOWER LEVEL	552
MAIN LEVEL	340
TOTAL	892



2 CODE PLAN - LOWER LEVEL - ADD ALTS  
3/32" = 1'-0"



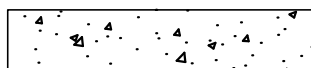
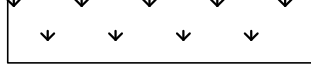
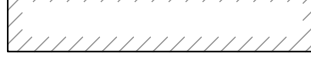
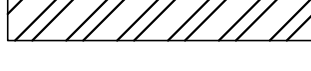









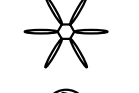
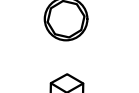
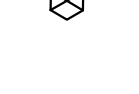
**GENERAL NOTES:**

1. ALL WORK PERFORMED IN THIS CONTRACT SHALL CONFORM TO:
    - A. PROJECT SPECIFICATIONS.
    - B. THE LATEST EDITION AND SUPPLEMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) AND AMERICAN PUBLIC WORKS ASSOCIATION (APWA).
    - C. CALIFORNIA BUILDING CODE, LATEST VERSION.
  2. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE WORK SPECIFIED ON THE DRAWINGS AND WITHIN THE VARIOUS NOTES SHOWN HEREIN.
  3. THE EXISTING CONDITIONS SHOWN DIAGRAMMATICALLY ON THE PLANS ORIGINATED FROM AS BUILT DRAWINGS AND FIELD SURVEY. ANY DISCREPANCY SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT/OAR USING THE PROPER REQUEST FOR INFORMATION FORMS PRIOR TO SUBMITTING HIS BID FOR PROPER ACTION.
  4. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES IN THE AREA OF WORK WHICH ARE NOT INCLUDED IN THIS CONSTRUCTION. ANY DAMAGE RESULTING FROM THIS WORK SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- UNDERGROUND SERVICE ALERT:
5. BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT INQUIRY I.D. NUMBER BY CALLING 1-800-422-4133. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT UTILITY OWNERS CAN BE NOTIFIED.
- PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS:
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF PUBLIC AND PRIVATE PROPERTY ADJACENT TO THE WORK PER SECTION 01-1100 OF THE STANDARD SPECIFICATIONS.
- REMOVALS:
7. EXISTING STRUCTURES AND SUBSTRUCTURES WHICH ARE INDICATED TO BE REMOVED IN THIS CONSTRUCTION DOCUMENTS SHALL BE TOTALLY REMOVED AND DISPOSED OF OFFSITE, UNLESS OTHERWISE INDICATED. EXISTING FACILITIES WHICH ARE DISCOVERED DURING CONSTRUCTION (INCLUDING WALLS, FOOTINGS AND FOUNDATIONS) SHALL BE REPORTED TO AND COORDINATED WITH THE ARCHITECT AS TO THEIR REMOVAL. CONTRACTOR WILL NOTIFY THE IOR AND OAR IN WRITING PRIOR TO COMMENCING THE WORK.
  8. ALL SITE PREPARATION AS INDICATED SHALL BE MADE UNDER THE CONTINUOUS INSPECTION OF THE IOR. SECURE THE REQUIRED PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY FOR THE CONSTRUCTION OF TRENCHES, SHORING OR EXCAVATIONS WHICH ARE 5 FEET OR DEEPER OR WORK THAT MAY JEOPARDIZE THE WORKERS. SHORING CALCULATIONS SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR APPROVAL AND PERMITTING.
  9. THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA SUFFICIENTLY DAMPENED TO CONTROL DUST CAUSED BY WORK ACTIVITIES AS REQUIRED BY THE DISTRICT AND JURISDICTIONAL AGENCY.
  10. ALL FILL OR BACKFILL SHALL BE COMPACTED TO 90% MAXIMUM DENSITY PER GEOTECHNICAL REPORT.
  11. CONSTRUCTION STAKING AND ADJUSTMENTS FOR IMPROVEMENTS SHOWN ON THESE PLANS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR PAID FOR BY THE CONTRACTOR AND INCLUDED IN THE CONTRACT.
  12. VOIDS RESULTING FROM REMOVAL WORK SHALL BE FILLED WITH SUITABLE MATERIALS APPROVED BY THE OWNER RETAINED GEOTECHNICAL ENGINEER AND COMPACTED TO 90% MAXIMUM DENSITY PER GEOTECHNICAL REPORT.
  13. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL REMOVE EXISTING CONSTRUCTION FENCING, APPURTENANCES AND OFFICE TRAILERS FROM THE SITE. PAVEMENT SHALL BE PATCHED AND REPAIRED TO MATCH ADJACENT PAVEMENT AND APPROVED BY THE IOR.
  14. ANY ADDITIONAL SURVEYS OR TESTING AS A RESULT OF CONTRACTOR ERROR OR MISINFORMATION WILL BE CHARGED TO THE CONTRACTOR.
  15. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ARCHITECT.
  16. GRADE LAWN, TURF, AND PLANTING AREA 1" BELOW DESIGN GRADES INDICATED.
  17. ADJUST TO GRADE EXISTING MANHOLE RIMS, VALVE BOXES AND ELECTRICAL VAULT LIDS TO DESIGN GRADES WITHIN THE IMPROVEMENT AREA, UNLESS NOTED OTHERWISE.
  18. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA. INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.
  19. IF EXISTING UTILITIES ARE EXPOSED OR DETERMINED TO EXIST UNDER THE ROUGH GRADING SITE, CONTRACTOR SHALL PROVIDE A FLAGGED STAKE THAT INDICATES THEIR LOCATION, TYPE OF UTILITY, SIZE, PIPE MATERIAL AND DEPTH. STAKES SHALL BE INSTALLED NO LESS THAN 50' ON CENTER ON STRAIGHT LINES AND AT BENDS.
  20. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
  21. ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE INSPECTOR OF RECORD UPON REQUEST.
  22. A COPY OF THE GRADING PERMIT AND APPROVED GRADING PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.
  23. SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY A LICENSED SURVEYOR. PRIOR TO GRADING, AS REQUESTED BY THE INSPECTOR OF RECORD, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.

**GENERAL NOTES (cont):**

24. IF GRADING AUTHORIZED BY THIS PLAN IS TO EXTEND THROUGH THE RAINY SEASON, APRIL THROUGH NOVEMBER OF THE FOLLOWING YEAR, SEPARATE UPDATED PLANS FOR EROSION CONTROL MUST BE SUBMITTED PRIOR TO OCTOBER TO THE CITY ENGINEER FOR APPROVAL. CONTRACTOR TO PROVIDE STORM WATER PREVENTION PLAN, PRE-CONSTRUCTION AND POST CONSTRUCTION BMPs AND UPDATE FROM TIME TO TIME TO COMPLY WITH THE REQUIREMENTS.
25. CONTRACTOR SHALL INSTALL TEMPORARY FENCING AROUND THE PERIMETER OF THE CONSTRUCTION SITE AND STAGING AREA. FENCING SHALL BE MINIMUM 8' TALL AND SHALL HAVE A DUST/VISION BARRIER ALONG THE FULL LENGTH. THE DUST/VISION BARRIER SHALL EXTEND THE LENGTH OF THE CONSTRUCTION SITE. THE FENCING SHALL BE ANCHORED TO THE SURFACE AND SHALL BE ABLE TO WITHSTAND A 200-POUND HORIZONTAL POINT LOAD IN ANY DIRECTION. WORK AREA AND STAGING AREA SHALL BE SECURE AT ALL TIMES.
26. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, INCLUDING NPDES, FROM THE APPROPRIATE JURISDICTIONAL AGENCIES FOR DISCHARGE OF GROUND WATER THAT MAY BE NECESSARY TO ACCOMPLISH EXCAVATIONS SHOWN ON THESE PLANS.
27. STORM DRAINAGE SYSTEMS SHOWN ON THESE PLANS HAVE BEEN DESIGNED FOR THE FINAL SITE CONDITION AT COMPLETION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE OF THE SITE, DURING INTERIM CONDITIONS OF CONSTRUCTION.
28. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE ARCHITECT WITH A COMPLETE SET OF REPRODUCIBLE "AS-BUILT" DRAWINGS OF ALL WORK PERFORMED UNDER THIS CONTRACT, AS SHOWN WITHIN THESE CONSTRUCTION DRAWINGS. ALL FIELD CHANGES SHALL BE SHOWN IN DETAIL ON THE "AS-BUILT" DRAWINGS AND SHALL INCORPORATE AS A MINIMUM, NEW ELEVATIONS, GRADES AND ALIGNMENT OF UNDERGROUND FACILITIES WITH DIMENSIONAL TIES TO BUILDINGS OR OTHER VISIBLE IMPROVEMENTS.
29. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
30. THE PROPOSED GRADE IS THE FINAL GRADE AND NOT THE ROUGH GRADE. THE CONTRACTOR SHALL SUBTRACT THE THICKNESS OF THE PAVED SECTION AND/OR LANDSCAPE TOPSOIL SECTION TO ARRIVE AT THE ROUGH GRADE ELEVATION.

**LEGEND:**

- CONSTRUCT CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE. 
- NEW PLANTER AREA. 
- CONSTRUCT NEW BUILDING. 
- NEW STRIPING. 
- CENTERLINE ----- 
- RIGHT OF WAY ----- 
- LOT LINE ----- 
- WALL ----- 
- EXIST BUILDING ----- 
- PAVING ----- 
- EASEMENT ----- 
- ASPHALT PAVEMENT ----- 
- TREE ----- 
- PALM TREE ----- 
- LIGHT POST ----- 
- ELECT. BOX ----- 

**ABBREVIATIONS:**

- FD FOUND
- FFE FINISH FLOOR ELEVATION
- FG FINISH GRADE
- FL FLOW LINE ELEVATION
- FS FINISH SURFACE ELEVATION
- GR EXIST GRADE ELEVATION
- NTG NOTHING
- R REFERENCE
- TC TOP OF CURB
- TG TOP OF GRATE ELEVATION
- TS TOP OF SLOPE
- TW TOP OF WALL ELEVATION
- WM WATER METER

**SHEET INDEX:**

C-1.0	GENERAL NOTES, LEGENDS AND ABBREVIATIONS
CD-1.0	SITE DEMOLITION PLAN
CD-1.1	SITE DEMOLITION PLAN_ALTERNATIVE
C-2.0	SITE CONTROL PLAN
C-2.1	SITE CONTROL PLAN_ALTERNATIVE
C-3.0	SITE GRADING PLAN
C-3.1	SITE GRADING PLAN_ALTERNATIVE
C-4.0	SITE UTILITY PLAN
C-5.0	MISCELLANEOUS DETAILS
C-5.1	MISCELLANEOUS DETAILS

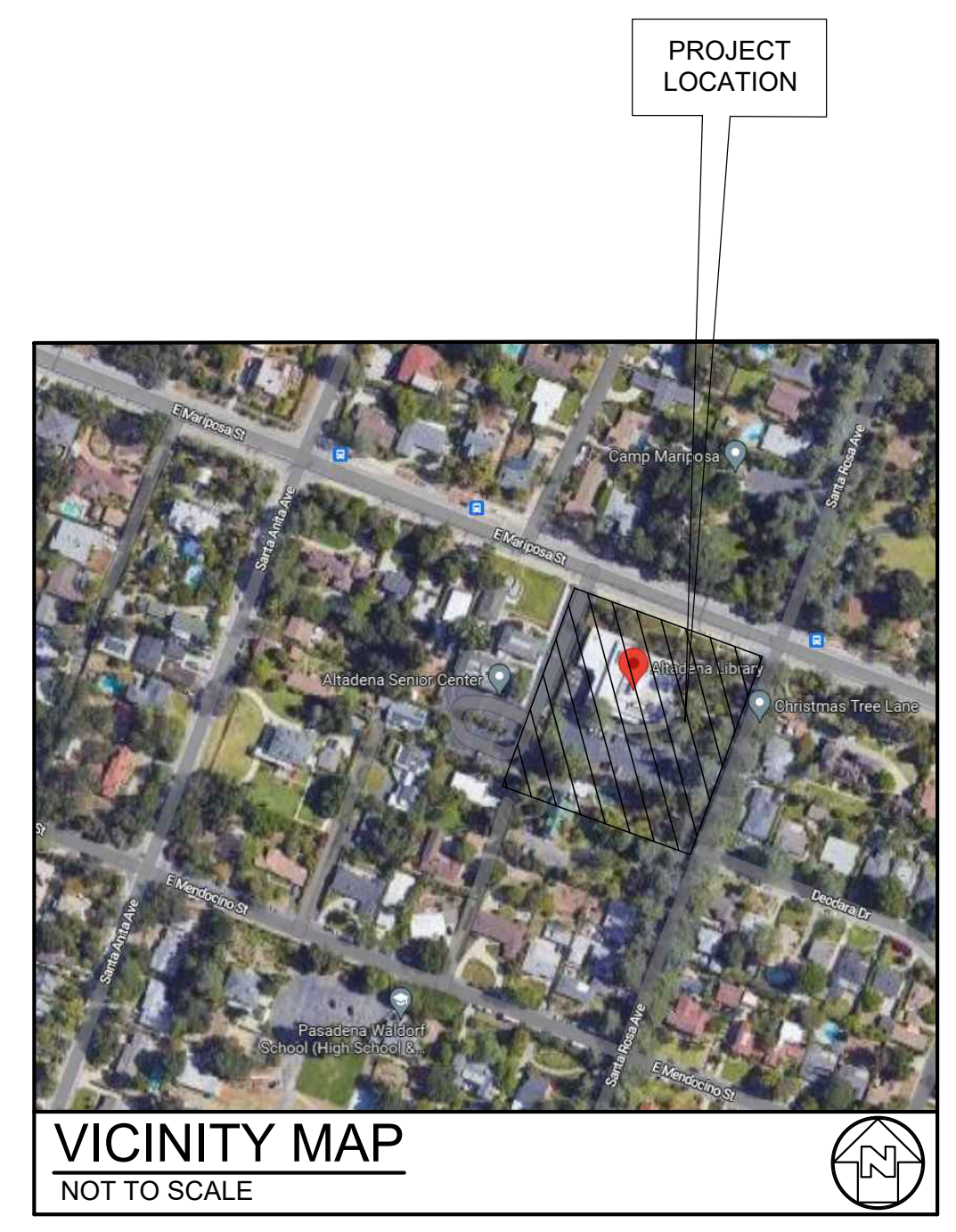
**SURVEYOR'S NOTES:**

TOPOGRAPHIC SURVEY WAS PROVIDED BY:



MARTIN ENGINEERS  
5025 CROWN AVE., LA CAÑADA, CA 91011  
PHONE: 818-495-3024

**ELEVATIONS:**  
ELEVATIONS ARE BASED ON CALIFORNIA STATE PLANE V AND THE ELIPSOID ELEVATION OF 1901.46; FEET AT THE TACK&TAG ON THE CURB AR THE WESTERLY PROPERTY CORNER.

**BASIS OF BEARINGS:**  
THE BEARING OF N 21°12'30" E BETWEEN THE MONUMENTS FOUND ON SANTA ROSA AT THE INTERSECTION AT MONTEROSA AVE AND AT THE INTERSECTION OF DEODARA DRIVE PER TRACT 8302 PAGES 35-36 AS FILED IN MAP BOOK 123 IN THE COUNTY OF LOS ANGELES.



CONSULTANTS

PROJECT

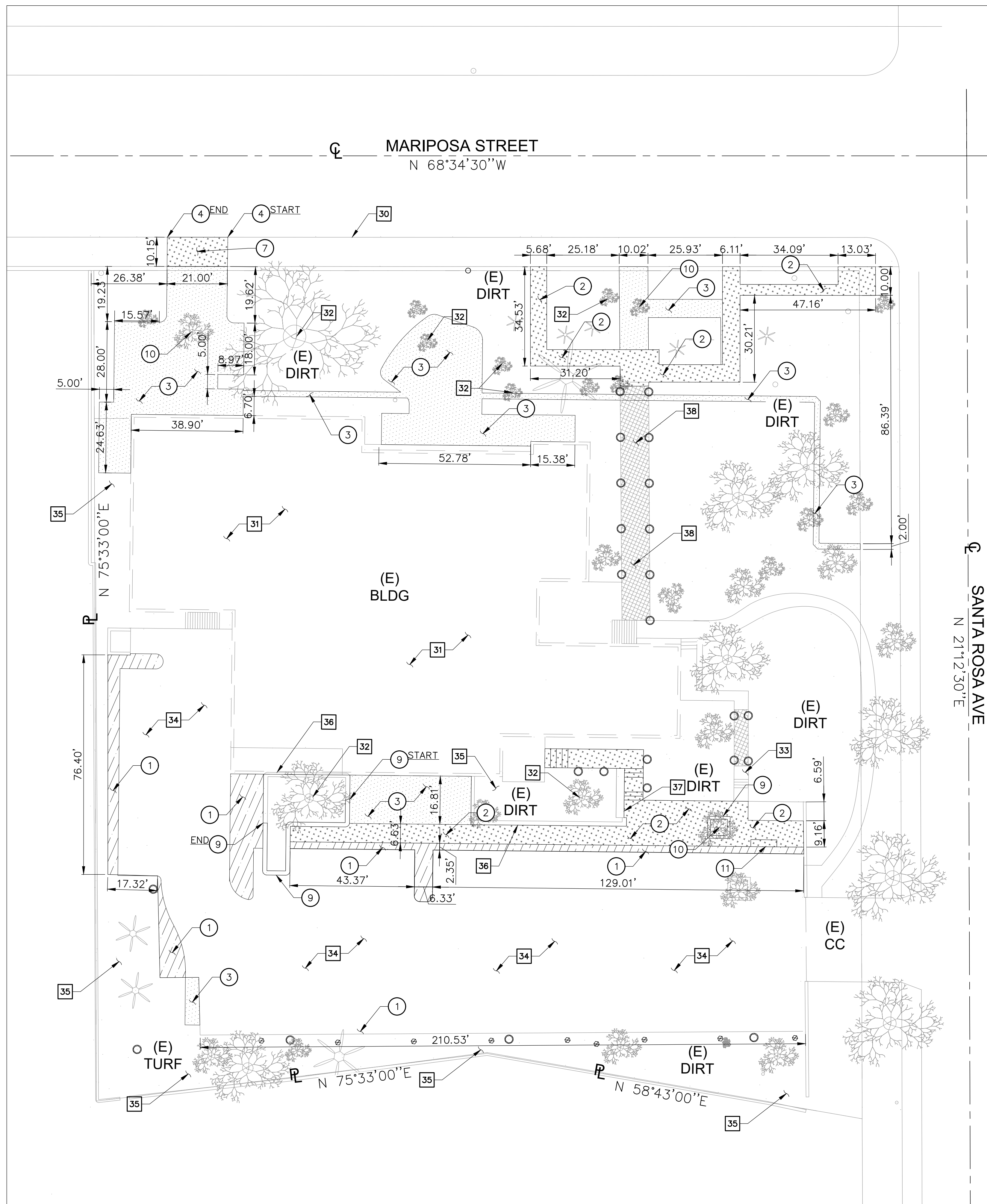
KEYPLAN

ISSUE CHART

NO.	ISSUE	DATE

TITTLE  
**GENERAL NOTES  
LEGENDS AND  
ABBREVIATIONS**

SHEET NUMBER  
**C-1.0**



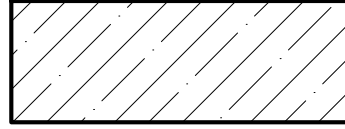
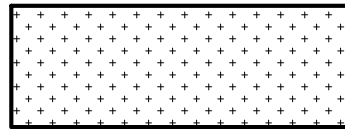
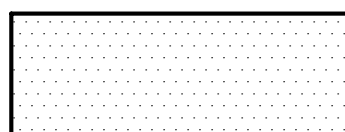
**REMOVAL NOTES:**

- 1 REMOVE EXISTING 3" THICK AC PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- 2 REMOVE EXISTING 4" THICK CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- 3 CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/HEADER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS.
- 4 REMOVE EXISTING CURB IN ITS ENTIRETY.
- 5 REMOVE EXISTING CONCRETE STAIR.
- 6 REMOVE EXISTING LIGHT POST.
- 7 REMOVE EXISTING CONCRETE SIDEWALK.
- 8 REMOVE EXISTING CMU WALL.
- 9 REMOVE EXISTING PLANTER WALL.
- 10 REMOVE EXISTING TREE.
- 11 REMOVE EXISTING CURB RAMP.

**PROTECT-IN-PLACE NOTES:**

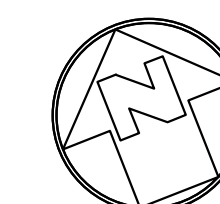
- 30 PROTECT IN PLACE EXISTING CONCRETE CURB.
- 31 PROTECT IN PLACE EXISTING BUILDING.
- 32 PROTECT IN PLACE EXISTING TREES, SHRUBS, SOD, ETC. COORDINATE WITH LANDSCAPE DRAWINGS.
- 33 PROTECT IN PLACE EXISTING CONCRETE PAVEMENT.
- 34 PROTECT IN PLACE EXISTING ASPHALT PAVEMENT.
- 35 PROTECT IN PLACE EXISTING PLANTER AREA.
- 36 PROTECT IN PLACE EXISTING CMU WALL.
- 37 PROTECT IN PLACE EXISTING PLANTER WALL.
- 38 PROTECT IN PLACE EXISTING WOODEN BRIDGE.

**REMOVAL LEGEND:**

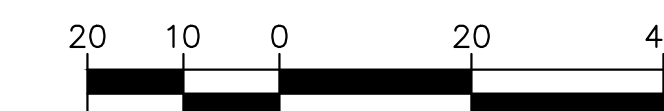
-  REMOVE EXISTING 3" AC PAVEMENT AND BASE MATERIAL, FULL DEPTH.
-  REMOVE EXISTING 4" CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
-  CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.

**SHEET NOTES:**

1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C-1.0.
2. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.



**SITE DEMOLITION PLAN**



SCALE: 1"=20'

CONSULTANTS



PROJECT

KEYPLAN

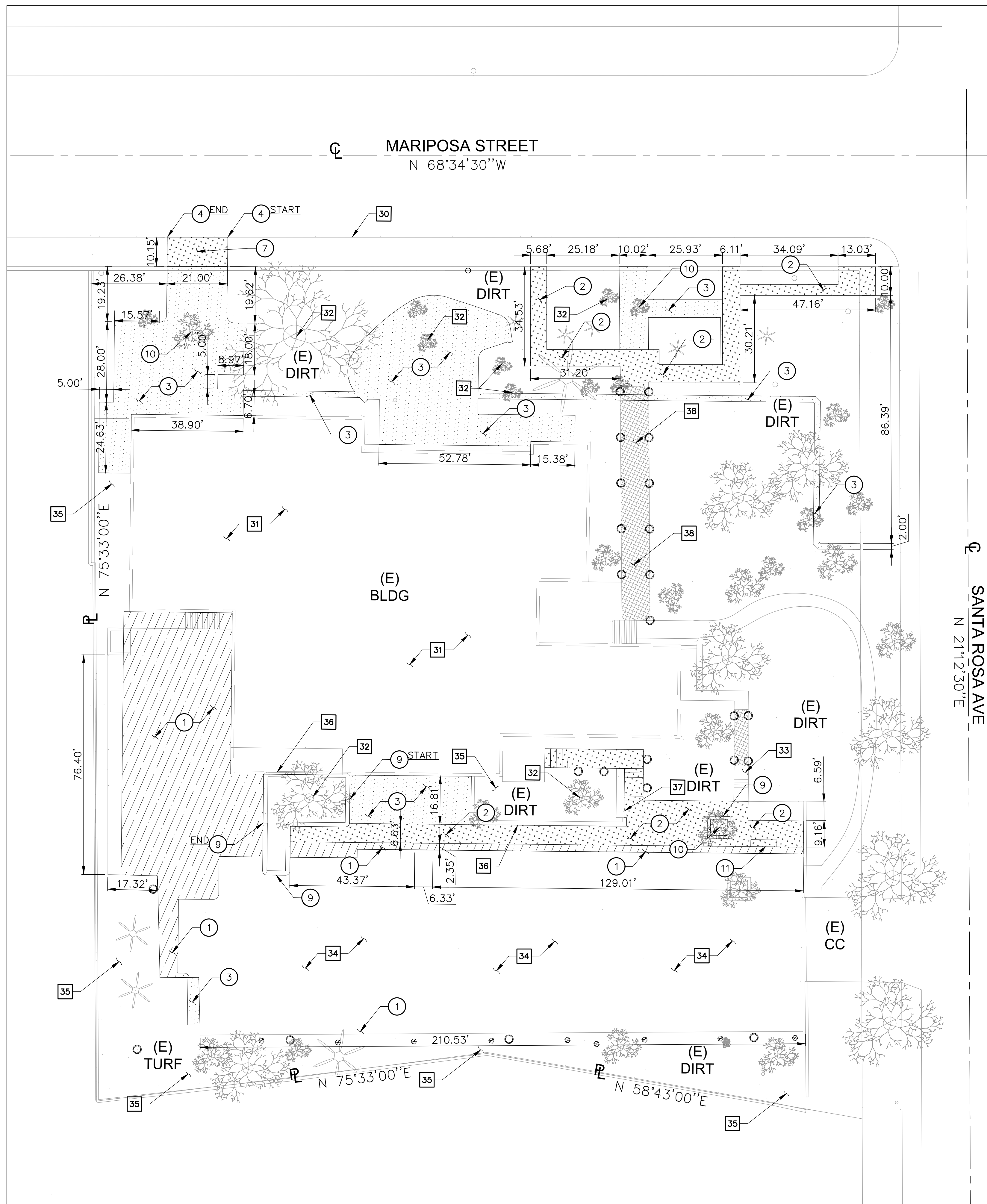
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NO.	ISSUE	DATE

TITLE  
**SITE DEMOLITION PLAN\_BASE**

SHEET NUMBER

**CD-1.0**



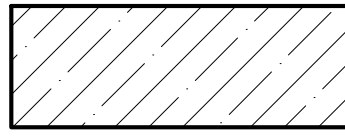
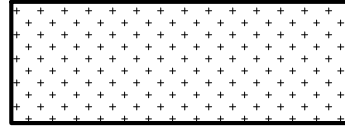

**REMOVAL NOTES:**

- ① REMOVE EXISTING 3" THICK AC PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- ② REMOVE EXISTING 4" THICK CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
- ③ CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/HEADER/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS.
- ④ REMOVE EXISTING CURB IN ITS ENTIRETY.
- ⑤ REMOVE EXISTING CONCRETE STAIR.
- ⑥ REMOVE EXISTING LIGHT POST.
- ⑦ REMOVE EXISTING CONCRETE SIDEWALK.
- ⑧ REMOVE EXISTING CMU WALL.
- ⑨ REMOVE EXISTING PLANTER WALL.
- ⑩ REMOVE EXISTING TREE.
- ⑪ REMOVE EXISTING CURB RAMP.

**PROTECT-IN-PLACE NOTES:**

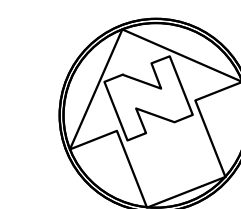
- ⑩⑩ PROTECT IN PLACE EXISTING CONCRETE CURB.
- ⑩⑩ PROTECT IN PLACE EXISTING BUILDING.
- ⑩⑩ PROTECT IN PLACE EXISTING TREES, SHRUBS, SOD, ETC. COORDINATE WITH LANDSCAPE DRAWINGS.
- ⑩⑩ PROTECT IN PLACE EXISTING CONCRETE PAVEMENT.
- ⑩⑩ PROTECT IN PLACE EXISTING ASPHALT PAVEMENT.
- ⑩⑩ PROTECT IN PLACE EXISTING PLANTER AREA.
- ⑩⑩ PROTECT IN PLACE EXISTING CMU WALL.
- ⑩⑩ PROTECT IN PLACE EXISTING PLANTER WALL.
- ⑩⑩ PROTECT IN PLACE EXISTING WOODEN BRIDGE.

**REMOVAL LEGEND:**

-  REMOVE EXISTING 3" AC PAVEMENT AND BASE MATERIAL, FULL DEPTH.
-  REMOVE EXISTING 4" CONCRETE PAVEMENT AND BASE MATERIAL, FULL DEPTH.
-  CLEAR, GRUB AND REMOVE EXISTING TURF/PLANTER/SHRUBS/EXPOSED SUBGRADE AREA. REMOVE EXISTING SHRUBS AND ROOTS IN THEIR ENTIRETY.

**SHEET NOTES:**

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- 4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.

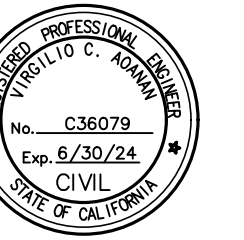


**SITE DEMOLITION PLAN**



SCALE: 1"=20'

CONSULTANTS



PROJECT

KEYPLAN

ISSUE CHART

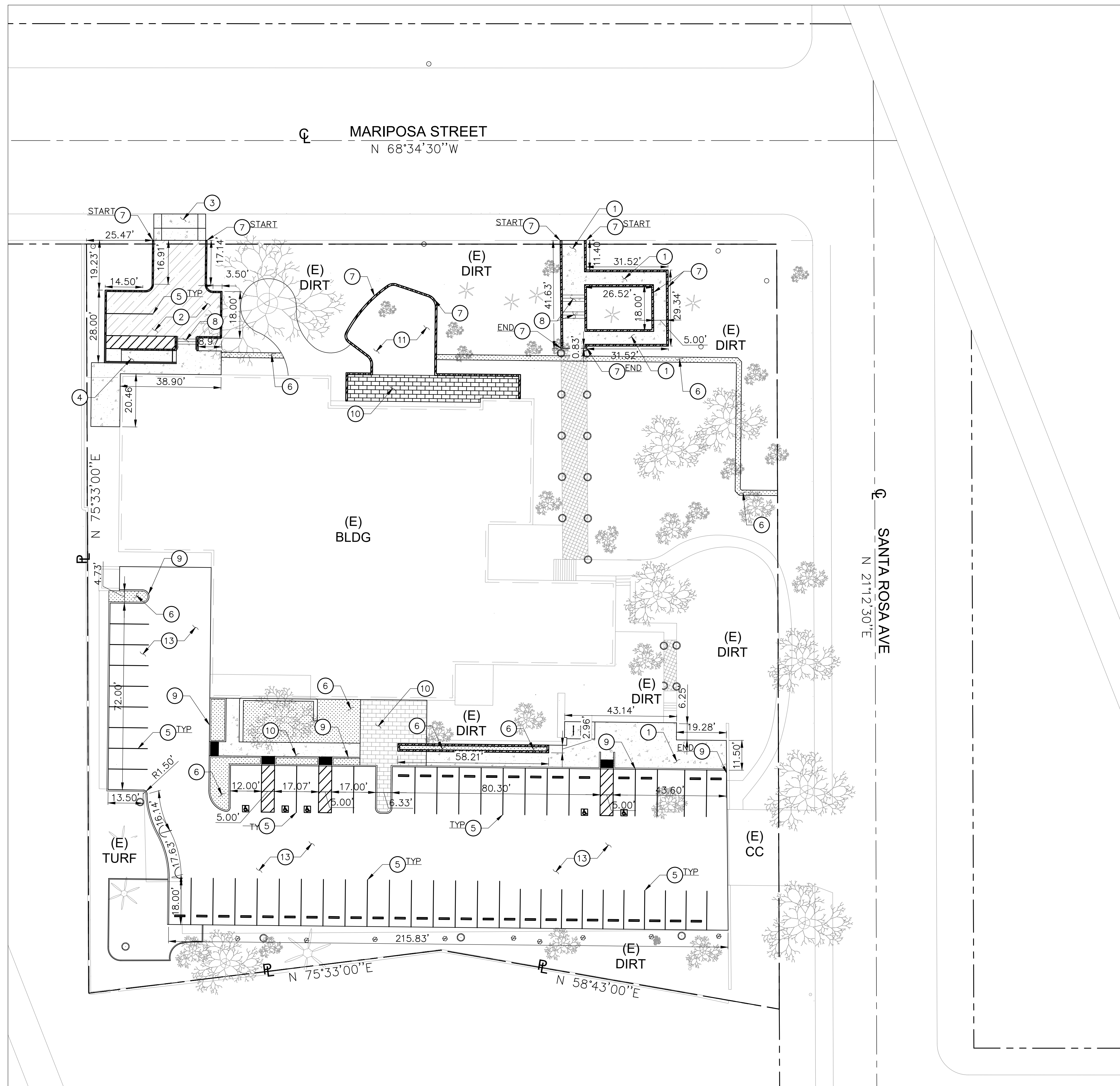
NO.	DATE	ISSUE

TITLE  
SITE  
DEMOLITION  
PLAN\_ALTERNATIVE

SHEET NUMBER

CD-1.1

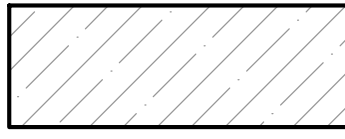
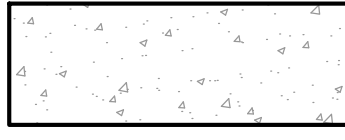
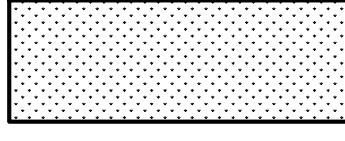
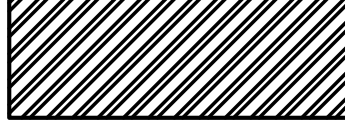

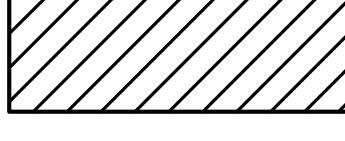

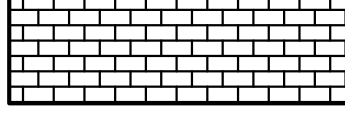




**CONSTRUCTION NOTES:**

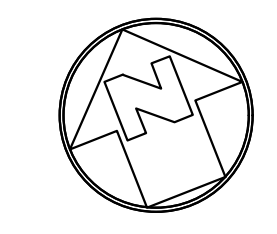
- ① 4" THICK CONCRETE PAVEMENT OVER 4" BASE PER DETAIL 1 ON SHEET C-5.0.
- ② 3" THICK ASPHALT PAVEMENT OVER 4" BASE PER DETAIL 5 ON SHEET C-5.0.
- ③ CONSTRUCT DRIVEWAY PER CITY OF LOS ANGELES STANDARD DRAWING S-440-4.
- ④ CONSTRUCT CONCRETE RAMP PER ARCHITECTURAL DRAWINGS.
- ⑤ NEW STRIPING PER ARCHITECTURAL DRAWINGS.
- ⑥ NEW PLANTER AREA PER LANDSCAPE DRAWINGS.
- ⑦ CONSTRUCT RETAINING WALL PER ARCHITECTURAL DRAWINGS.
- ⑧ CONSTRUCT CONCRETE STAIRS/HANDRAIL PER ARCHITECTURAL DRAWINGS.
- ⑨ CONSTRUCT CONCRETE CURB PER DETAIL 3 ON SHEET C-5.0.
- ⑩ CONSTRUCT CONCRETE PAVERS PER LANDSCAPE DRAWINGS.
- ⑪ INSTALL SYNTHETIC TURF PER LANDSCAPE DRAWINGS.
- ⑫ NEW WOODEN SURFACE PER LANDSCAPE DRAWINGS.
- ⑬ PROVIDE NEW SLURRY COAT FOR EXISTING ASPHALT PAVEMENT.

**LEGEND:**

-  NEW ASPHALT PAVEMENT
-  NEW CONCRETE PAVEMENT
-  NEW PLANTER AREA
-  NEW WALL
-  NEW BUILDING
-  NEW STRIPING
-  NEW WOODEN SURFACE
-  NEW CONCRETE PAVER

**SHEET NOTES:**

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEETS C-1.0.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.



**SITE CONTROL PLAN**  
 20 10 0 20 40  
 SCALE: 1"=20'

CONSULTANTS  
**MCA ENGINEERS, INC.**  
 1441 S. Garfield Avenue  
 Alhambra, CA 91804  
 Tel. 626.278.8888  
 Fax. 626.278.8900



PROJECT

KEYPLAN

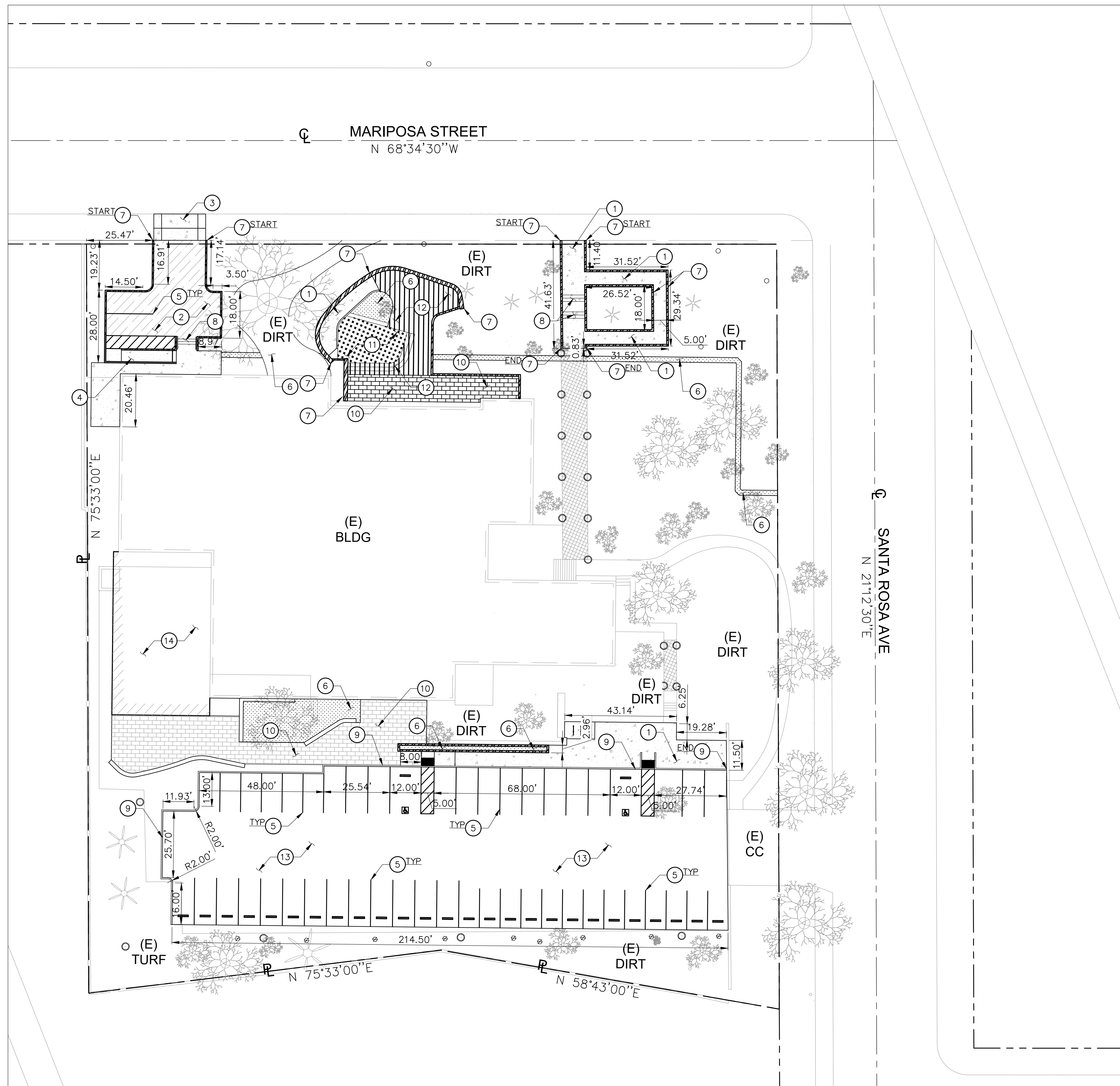
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DATE	ISSUE	NO.

TITLE  
**SITE CONTROL PLAN\_BASE**

SHEET NUMBER

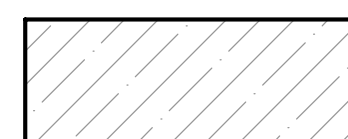
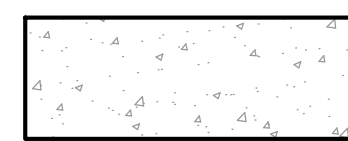
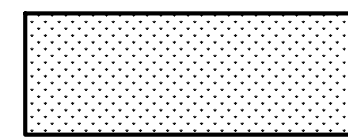
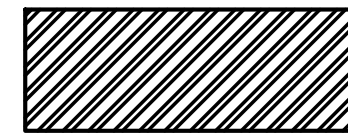
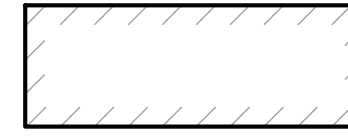
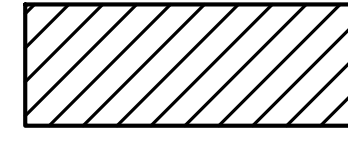
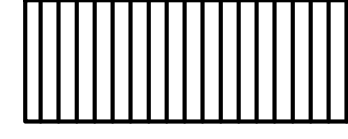
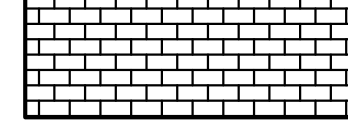
**C-2.0**



**CONSTRUCTION NOTES:**

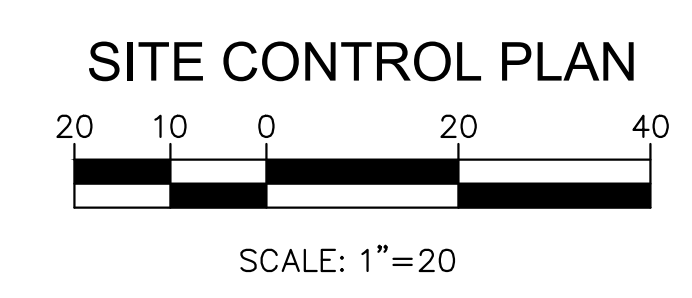
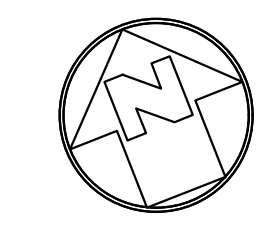
- ① 4" THICK CONCRETE PAVEMENT OVER 4" BASE PER DETAIL 1 ON SHEET C-5.0.
- ② 3" THICK ASPHALT PAVEMENT OVER 4" BASE PER DETAIL 5 ON SHEET C-5.0.
- ③ CONSTRUCT DRIVEWAY PER CITY OF LOS ANGELES STANDARD DRAWING S-440-4.
- ④ CONSTRUCT CONCRETE RAMP PER ARCHITECTURAL DRAWINGS.
- ⑤ NEW STRIPING PER ARCHITECTURAL DRAWINGS.
- ⑥ NEW PLANTER AREA PER LANDSCAPE DRAWINGS.
- ⑦ CONSTRUCT RETAINING WALL PER ARCHITECTURAL DRAWINGS.
- ⑧ CONSTRUCT CONCRETE STAIRS/HANDRAIL PER ARCHITECTURAL DRAWINGS.
- ⑨ CONSTRUCT CONCRETE CURB PER DETAIL 3 ON SHEET C-5.0.
- ⑩ CONSTRUCT CONCRETE PAVERS PER LANDSCAPE DRAWINGS.
- ⑪ INSTALL SYNTHETIC TURF PER LANDSCAPE DRAWINGS.
- ⑫ NEW WOODEN SURFACE PER LANDSCAPE DRAWINGS.
- ⑬ PROVIDE NEW SLURRY COAT FOR EXISTING ASPHALT PAVEMENT.
- ⑭ NEW COMMUNITY ROOM PER ARCHITECTURAL DRAWINGS.

**LEGEND:**

-  NEW ASPHALT PAVEMENT
-  NEW CONCRETE PAVEMENT
-  NEW PLANTER AREA
-  NEW WALL
-  NEW BUILDING
-  NEW STRIPING
-  NEW WOODEN SURFACE
-  NEW CONCRETE PAVER

**SHEET NOTES:**

1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEETS C-1.0.
2. REFER TO ARCHITECTURAL DRAWINGS FOR OTHER SITE DIMENSIONS AND IMPROVEMENTS NOT SHOWN ON THIS DRAWING.



CONSULTANTS  
**MCA ENGINEERS, INC.**  
 1441 S Garfield Avenue  
 Alhambra, CA 91804  
 Tel. 627.286.8888  
 Fax. 627.286.8900



PROJECT

KEYPLAN

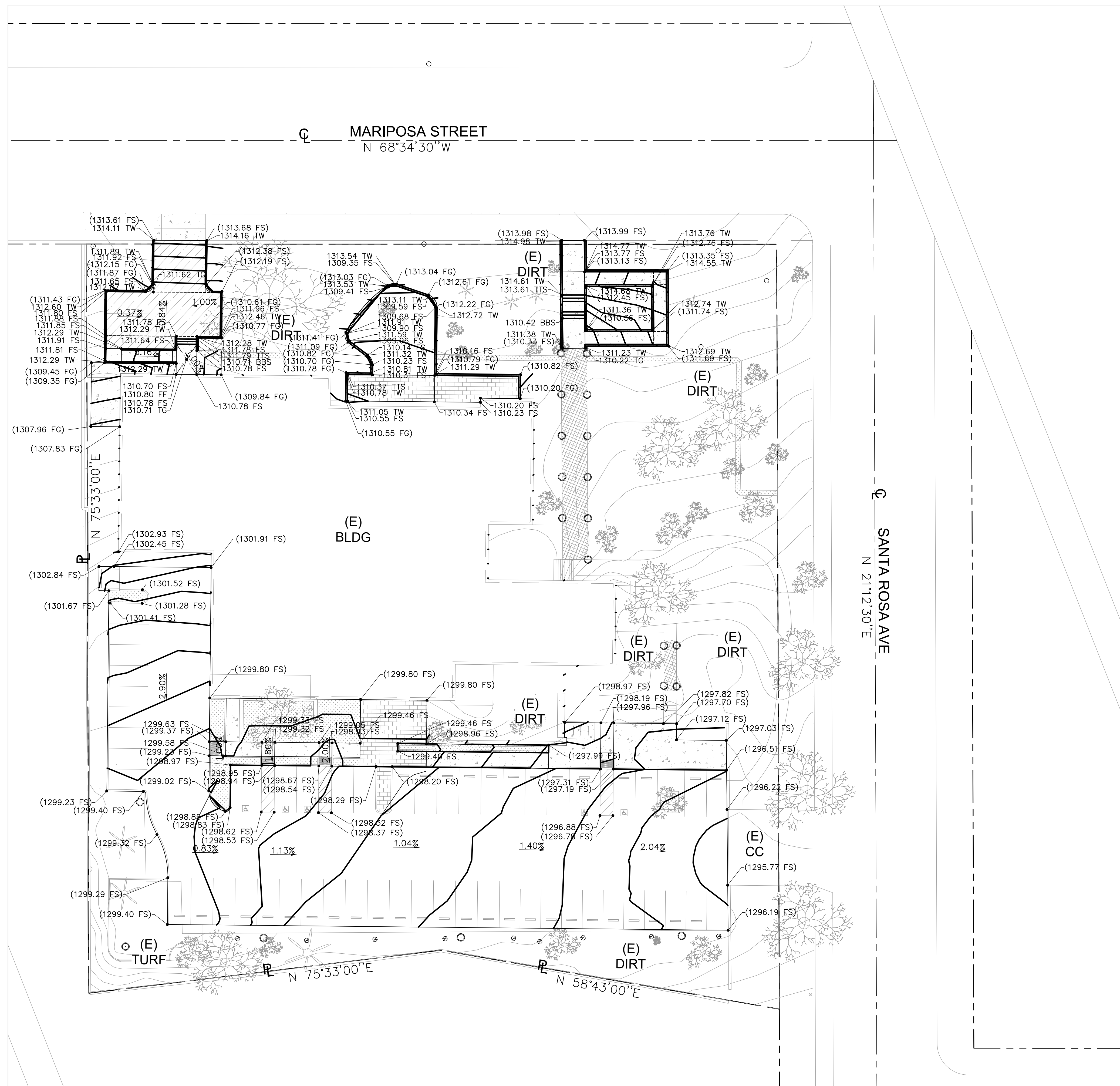
ISSUE CHART

NO.	ISSUE	DATE

TITLE  
**SITE CONTROL PLAN - ALTERNATIVE**

SHEET NUMBER

**C-2.1**



**ESTIMATED EARTHWORK QUANTITY**

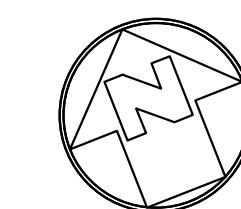
ESTIMATED CUT = 297 CY  
 ESTIMATED FILL = 139 CY  
 NET VOLUME = 158 CY (EXPORT)

**NOTES:**

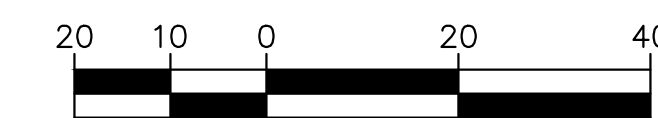
- ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES IN SURVEY. THE ESTIMATED EARTHWORK DOES NOT CONSIDER THE THICKNESS OF EACH PAVEMENT MATERIAL OR THE REMOVAL OF ANY UNSUITABLE MATERIAL.
- THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE FACTORS DUE TO COMPACTION.
- THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK. VCA IS NOT RESPONSIBLE AND LIABLE FOR THE CONTRACTOR'S EARTHWORK CALCULATIONS.
- ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ON-SITE MATERIALS ARE SUITABLE FOR BACKFILLING. HOWEVER, ACTUAL EXISTING ON-SITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, OR REPLACEMENT.
- CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT ALL OTHER REQUIREMENTS THAT MAY BE REQUIRED IN ORDER TO CALCULATE THE CUT AND FILL QUANTITIES.

**SHEET NOTES:**

- ALL GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTIONAL AGENCIES.
- PROVIDE A HAUL ROUTE AS REQUIRED BY THE JURISDICTIONAL AGENCIES.
- NO GRADING WORK SHALL BE PERFORMED AT ANY TIME WITHOUT AN EROSION CONTROL SYSTEM APPROVED BY ENGINEER. BETWEEN NOVEMBER 1 AND APRIL 15, ANY GRADING WORK SHALL BE PERFORMED WITH AN EROSION CONTROL SYSTEM APPROVED BY THE ENGINEER AND THE JURISDICTIONAL DISTRICT.
- CONSTRUCT DESIGN GRADES SHOWN ON PLAN. CONSTRUCT STRAIGHT GRADES BETWEEN INDICATED ELEVATIONS UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATIONS FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL OF THE ARCHITECT.
- CONTRACTOR SHALL RECOMPACT THE TOP 12" OF THE PAVING SUB GRADE TO 95% MAXIMUM RELATIVE DENSITY.
- THE CONTRACTOR SHALL NOT BEGIN THE PAVING OPERATION UNTIL THE SUB GRADE HAS BEEN APPROVED BY THE DISTRICT RETAINED GEOTECHNICAL ENGINEER AND IOR.
- THE CONTRACTOR IS ADVISED THAT THE APPROVAL OF THIS PLAN DOES NOT WAIVE THE REQUIREMENTS FOR EXCAVATIONS CONTAINED IN THE STATE CONSTRUCTION SAFETY ORDERS ENFORCED BY THE STATE DIVISION OF INDUSTRIAL SAFETY.
- NO FILL TO BE PLACED, UNTIL THE GEOTECHNICAL ENGINEER OR IOR HAS INSPECTED AND APPROVED THE BOTTOM OF EXCAVATION.
- ALL FILL OR BACK FILL SHALL BE COMPACTED BY MECHANICAL MEANS TO A MINIMUM 95% RELATIVE COMPACTION AS DETERMINED BY THE ASTM D-1557. ALL FILL INSTALLATION SHALL REQUIRE CERTIFICATION BY THE GEOTECHNICAL ENGINEER PRIOR TO FOUNDATION INSTALLATION.



**SITE GRADING PLAN**



SCALE: 1"=20'

CONSULTANTS



PROJECT

KEYPLAN

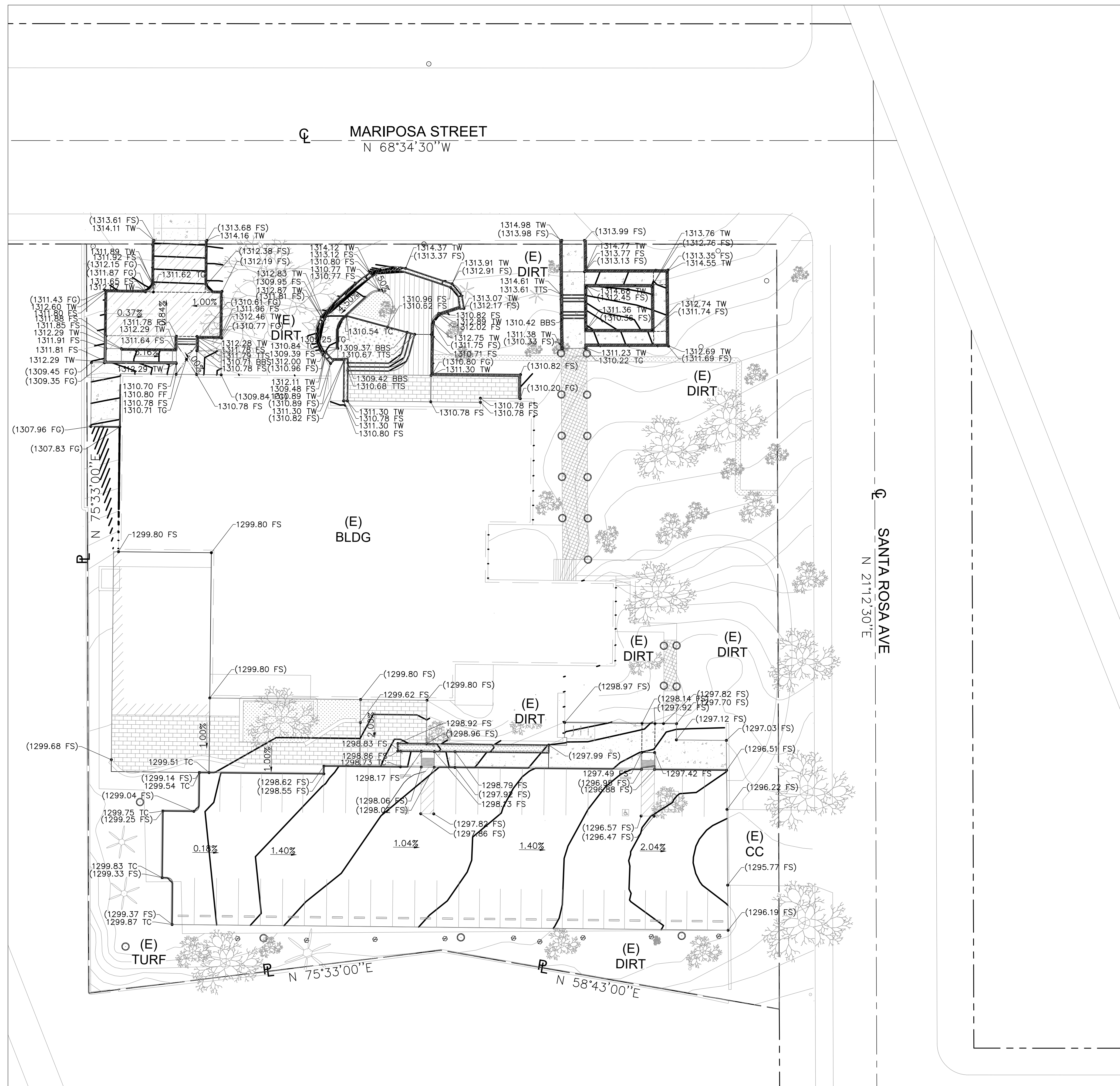
ISSUE CHART

NO.	DATE	DESCRIPTION

TITLE  
**SITE GRADING PLAN\_BASE**

SHEET NUMBER

**C-3.0**



**ESTIMATED EARTHWORK QUANTITY**

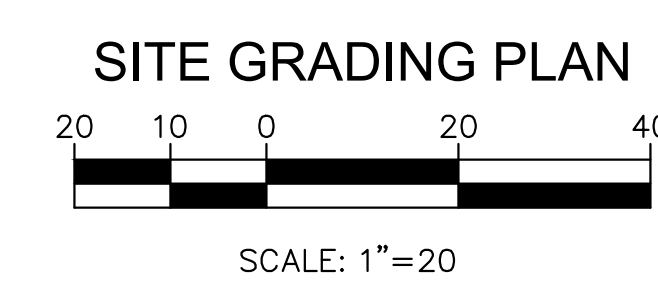
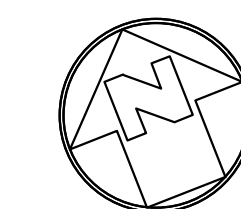
ESTIMATED CUT = 297 CY  
 ESTIMATED FILL = 139 CY  
 NET VOLUME = 158 CY (EXPORT)

**NOTES:**

- ESTIMATED EARTHWORK ABOVE IS BASED ON DESIGN FINISH GRADES TO EXISTING GRADES IN SURVEY. THE ESTIMATED EARTHWORK DOES NOT CONSIDER THE THICKNESS OF EACH PAVEMENT MATERIAL OR THE REMOVAL OF ANY UNSUITABLE MATERIAL.
- THE ESTIMATED EARTHWORK QUANTITIES DO NOT INCLUDE SHRINKAGE FACTORS DUE TO COMPACTION.
- THE CONTRACTOR SHALL CALCULATE HIS OWN EARTHWORK QUANTITIES NECESSARY FOR HIS BID AND WORK. VCA IS NOT RESPONSIBLE AND LIABLE FOR THE CONTRACTOR'S EARTHWORK CALCULATIONS.
- ESTIMATED EARTHWORK QUANTITIES ABOVE ASSUME THAT ALL ON-SITE MATERIALS ARE SUITABLE FOR BACKFILLING. HOWEVER, ACTUAL EXISTING ON-SITE MATERIALS AND IMPORTED MATERIALS MUST FIRST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION, REMOVAL, OR REPLACEMENT.
- CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT ALL OTHER REQUIREMENTS THAT MAY BE REQUIRED IN ORDER TO CALCULATE THE CUT AND FILL QUANTITIES.

**SHEET NOTES:**

- ALL GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE JURISDICTIONAL AGENCIES.
- PROVIDE A HAUL ROUTE AS REQUIRED BY THE JURISDICTIONAL AGENCIES.
- NO GRADING WORK SHALL BE PERFORMED AT ANY TIME WITHOUT AN EROSION CONTROL SYSTEM APPROVED BY ENGINEER. BETWEEN NOVEMBER 1 AND APRIL 15, ANY GRADING WORK SHALL BE PERFORMED WITH AN EROSION CONTROL SYSTEM APPROVED BY THE ENGINEER AND THE JURISDICTIONAL DISTRICT.
- CONSTRUCT DESIGN GRADES SHOWN ON PLAN. CONSTRUCT STRAIGHT GRADES BETWEEN INDICATED ELEVATIONS UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATIONS FORM THE GRADING PLAN MUST HAVE PRIOR APPROVAL OF THE ARCHITECT.
- CONTRACTOR SHALL RECOMPACT THE TOP 12" OF THE PAVING SUB GRADE TO 95% MAXIMUM RELATIVE DENSITY.
- THE CONTRACTOR SHALL NOT BEGIN THE PAVING OPERATION UNTIL THE SUB GRADE HAS BEEN APPROVED BY THE DISTRICT RETAINED GEOTECHNICAL ENGINEER AND IOR.
- THE CONTRACTOR IS ADVISED THAT THE APPROVAL OF THIS PLAN DOES NOT WAIVE THE REQUIREMENTS FOR EXCAVATIONS CONTAINED IN THE STATE CONSTRUCTION SAFETY ORDERS ENFORCED BY THE STATE DIVISION OF INDUSTRIAL SAFETY.
- NO FILL TO BE PLACED, UNTIL THE GEOTECHNICAL ENGINEER OR IOR HAS INSPECTED AND APPROVED THE BOTTOM OF EXCAVATION.
- ALL FILL OR BACK FILL SHALL BE COMPACTED BY MECHANICAL MEANS TO A MINIMUM 95% RELATIVE COMPACTION AS DETERMINED BY THE ASTM D-1557. ALL FILL INSTALLATION SHALL REQUIRE CERTIFICATION BY THE GEOTECHNICAL ENGINEER PRIOR TO FOUNDATION INSTALLATION.



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PROJECT

KEYPLAN

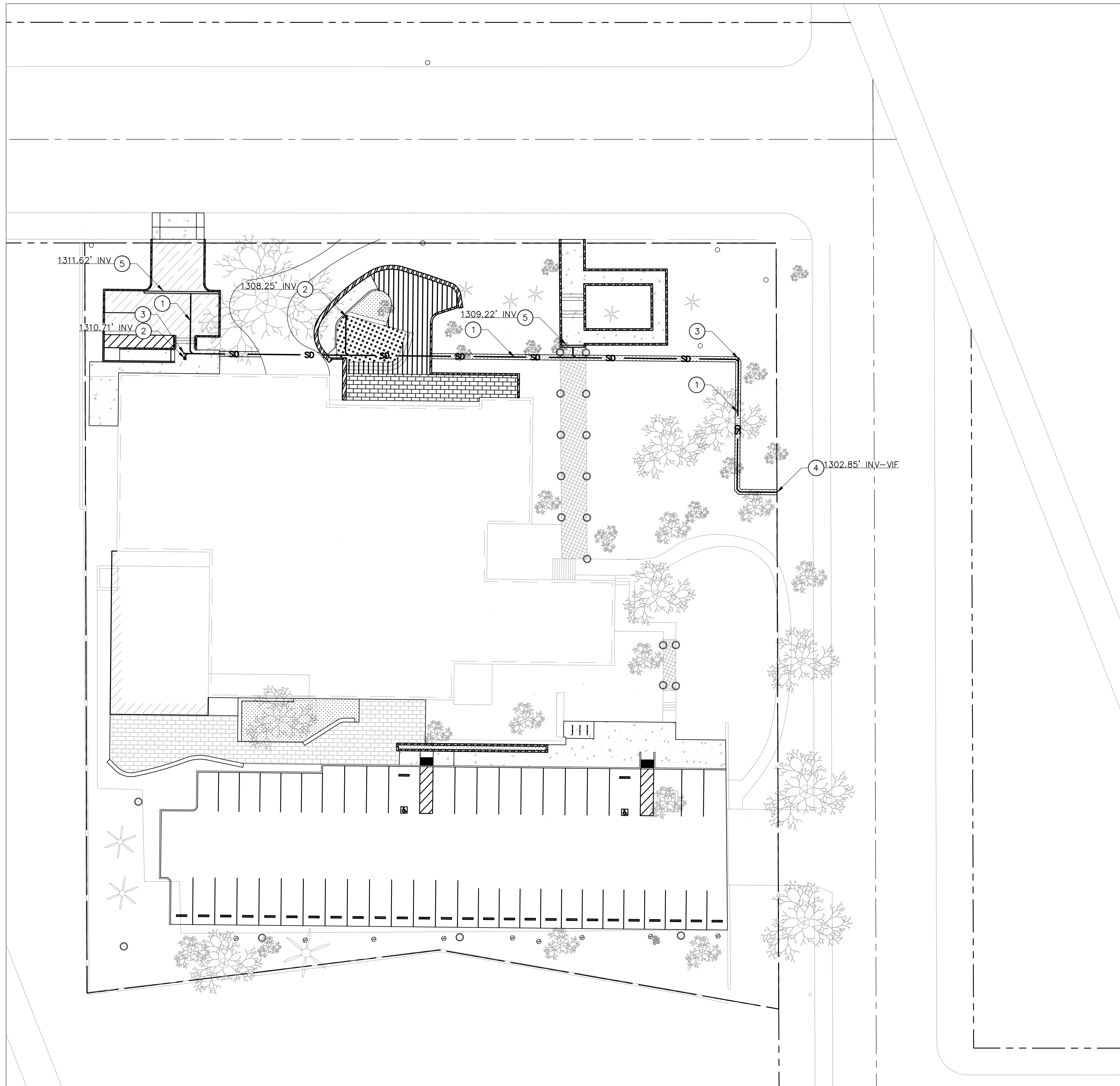
ISSUE CHART

NO.	DATE	ISSUE

TITLE  
**SITE GRADING PLAN\_ALTERNATIVE**

SHEET NUMBER

**C-3.1**



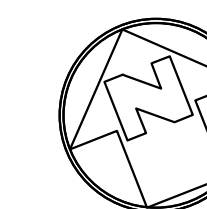
**CONSTRUCTION NOTES:**

**STORM DRAINAGE:**

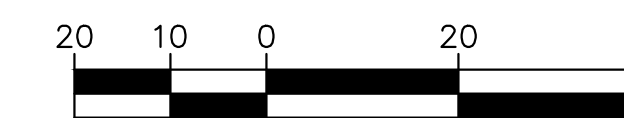
- ① INSTALL 6"Ø SCH 80 STORM DRAIN PIPE, BEDDING PER DETAIL 4 ON SHEET C-5.0.
- ② CONSTRUCT 12"x12" CATCH BASIN PER DETAIL 1 ON SHEET C-5.0. INSTALL FILTER INSERT PER DETAIL 2 ON SHEET C-5.0.
- ③ INSTALL CLEAN OUT PER DETAIL 3 SHEET C-5.0.
- ④ CONNECT TO EXISTING STORM DRAIN LINE.
- ⑤ INSTALL TRENCH DRAIN PER DETAIL 4 ON SHEET C-5.0.

**SHEET NOTES:**

- 1. FOR GENERAL NOTES, LEGENDS AND ABBREVIATIONS, SEE SHEET C-1.0.
- 2. SEE ARCHITECTURAL DRAWINGS FOR OTHER SITE RELATED DIMENSIONS NOT SHOWN ON THIS DRAWING.
- 3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL SURFACE AND/OR UNDERGROUND UTILITIES IN CONFLICT WITH THE PROPOSED DEMOLITION AND DESIGN ITEMS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES AND/OR CONSTRUCTION RELATED ISSUES TO THE OWNER OR DESIGN TEAM PRIOR TO THE COMMENCEMENT OF WORK.
- 4. CONTRACTOR TO VERIFY IN FIELD THE JOINING TO EXISTING ELEVATION AND THE CURRENT SITE CONDITION WITH THE DESIGN GRADES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.



**SITE UTILITY PLAN**



SCALE: 1"=20'

CONSULTANTS



PROJECT

KEYPLAN

ISSUE CHART

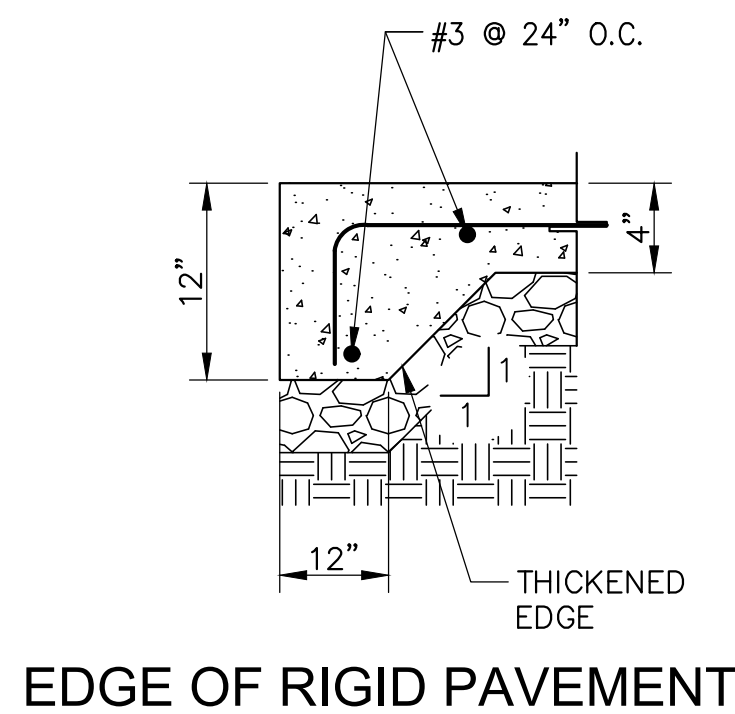
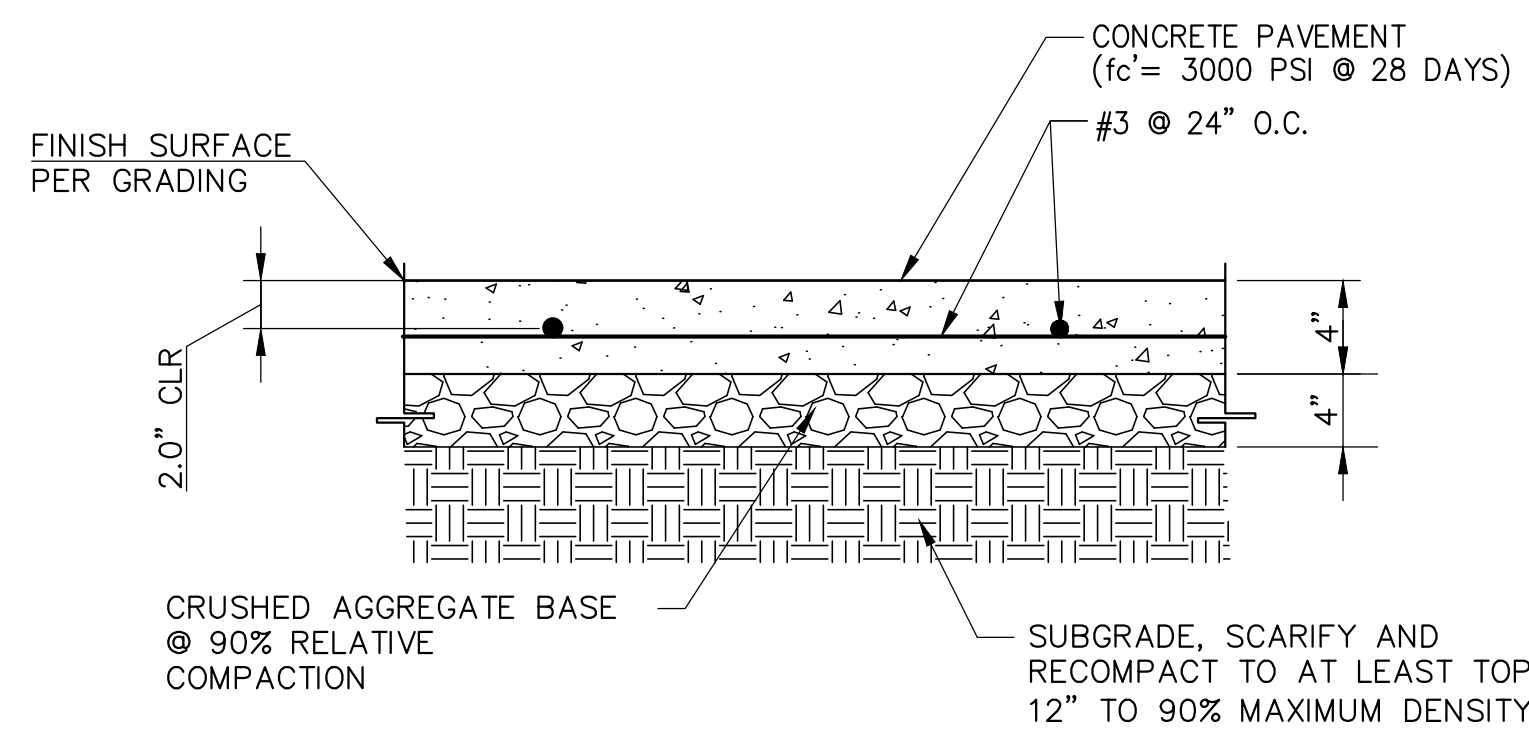
NO.	ISSUE	DATE

TITLE

**SITE UTILITY PLAN**

SHEET NUMBER

**C-4.0**

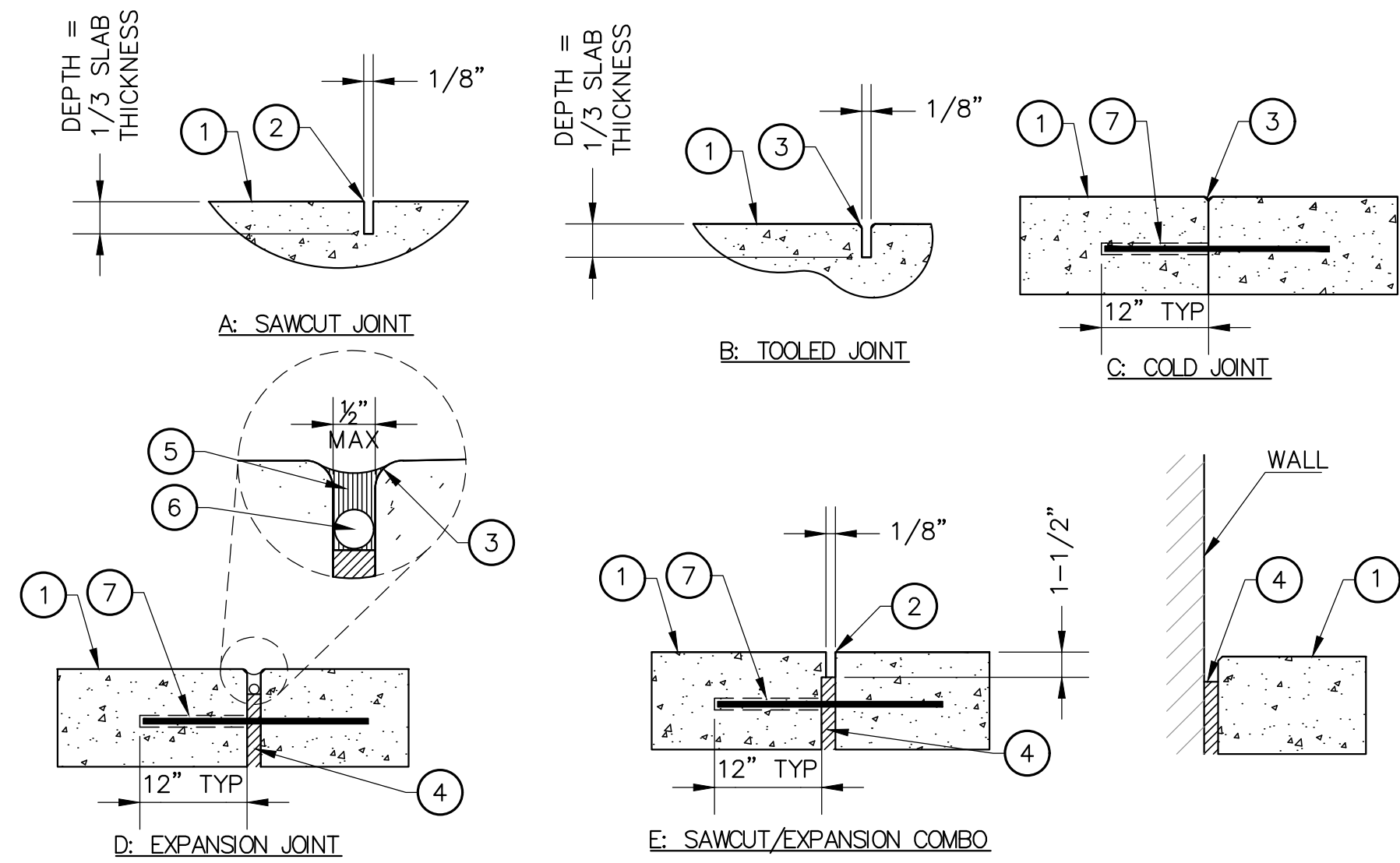


**EDGE OF RIGID PAVEMENT**

**NOTES:**

- FOR CONSTRUCTION JOINTS, EXPANSION JOINTS, AND FINISH SURFACE REQUIREMENTS REFER TO DETAIL 3 ON THIS SHEET.
- CONCRETE,  $f_c=4000$  PSI @ 28 DAYS. REBARS,  $f_y=60,000$  PSI PER ASTM A615.
- CONCRETE FINISHES TO BE EQUIVALENT TO MEDIUM SALTED FINISH FOR SLOPES OF LESS THAN 6%, AND SLIP RESISTANT FOR SLOPES 6% OR GREATER.
- CONCRETE PAVEMENT SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF ALL FIRE APPARATUS & SHALL BE SURFACED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES FOR FIRE LANE.
- REFER TO LANDSCAPE DRAWINGS FOR INTEGRAL COLOR AND FINISH.

LOCATION	CONCRETE PAVEMENT	CRUSHED AGGREGATE BASE
	THICKNESS "A"	THICKNESS "B"
NON TRAFFIC	4"	4"

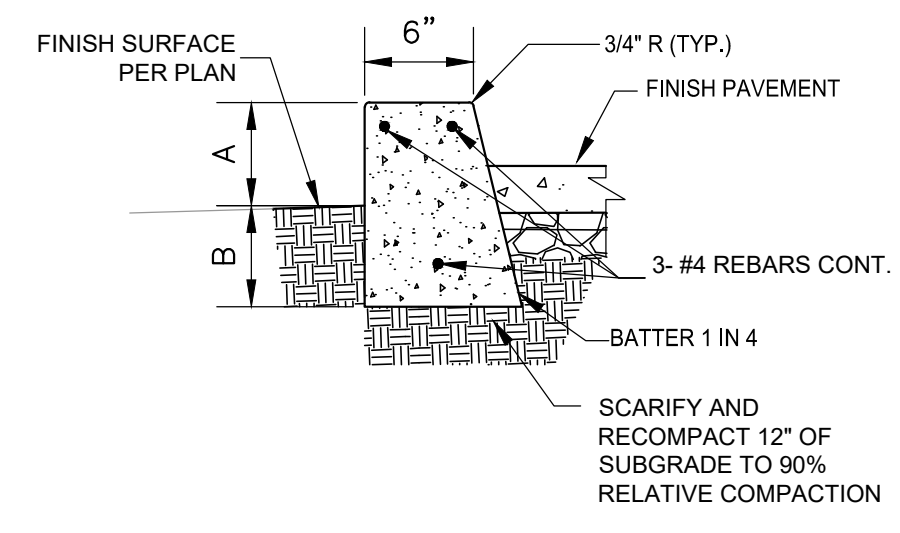


**LEGEND:**

- PAVING FINISH SURFACE.
- SAWCUT.
- 1/4" R. @ EDGES. TYP.
- PREMOLDED E.J. FILLER.
- JOINT SEALANT. COLOR TO BE SELECTED BY ARCHITECT. SUBMIT COLOR SAMPLES PRIOR TO INSTALLATION.
- BACKER ROD.
- 18" #3 REBAR W/ 'SPEED DOWEL' @ 18" OC, CENTER IN CONG. AT COLD JOINTS & E.J.'S.
- CONTROL JOINTS 20'-0" O.C. MAX.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS OF CONTROL JOINT AND EXPANSION JOIN LAYOUT.

**1 CONCRETE PAVEMENT DETAIL**  
NOT TO SCALE

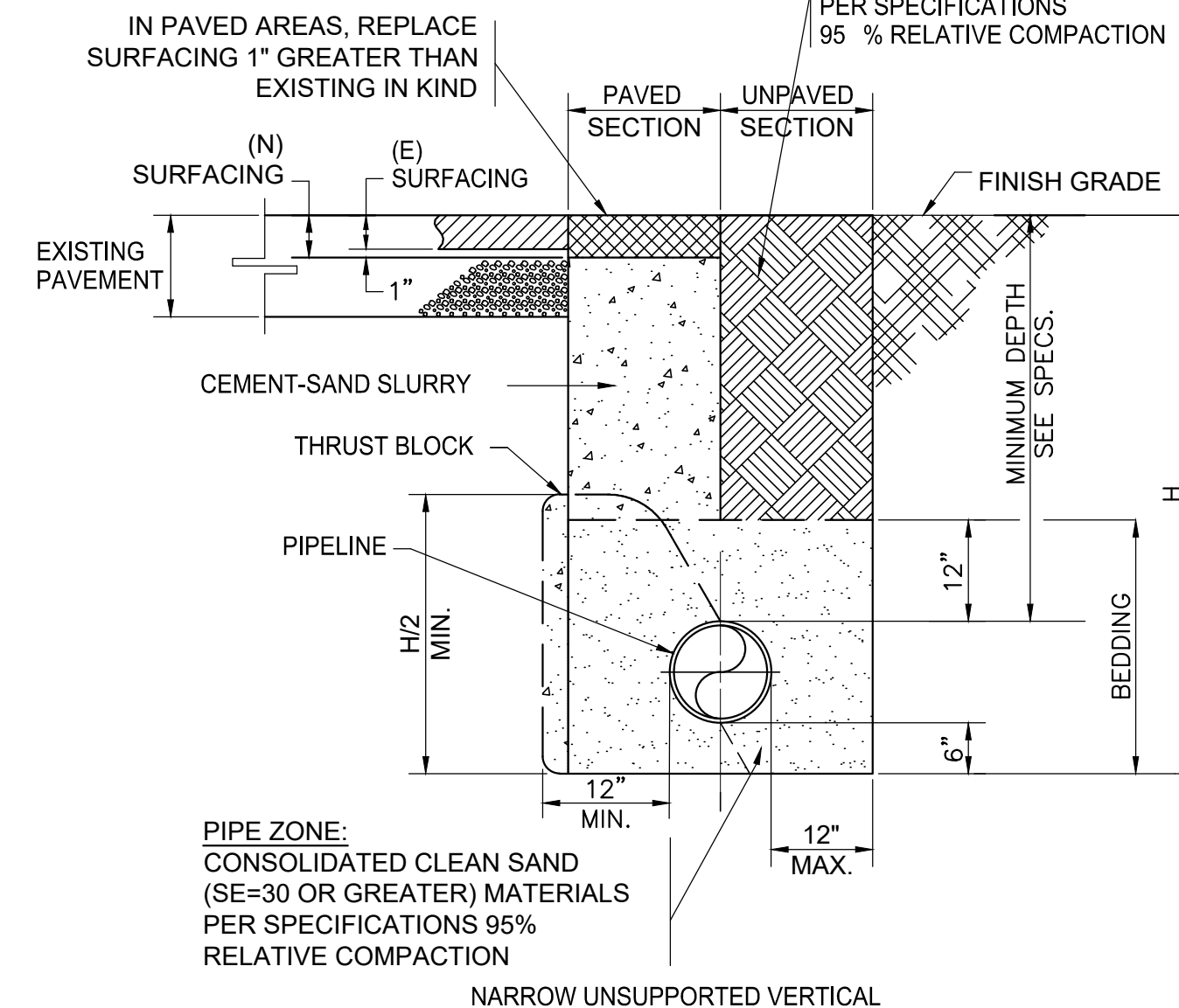
**2 JOINT DETAILS**  
NOT TO SCALE



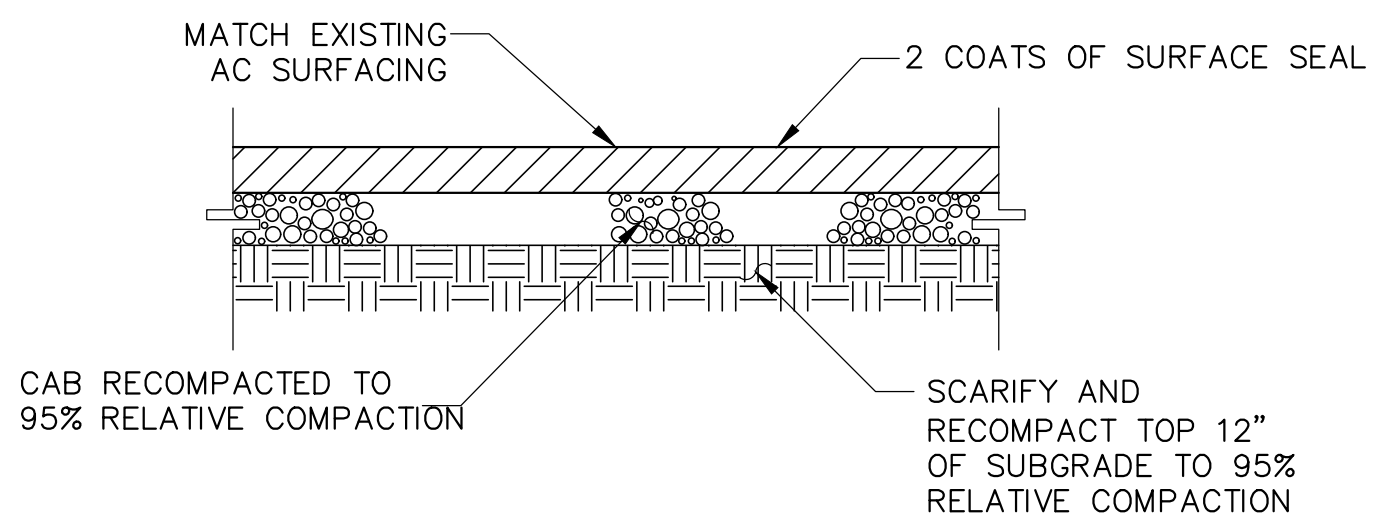
**NOTES:**

- WHEN "A" IS 6" OR LESS, B=6".
- WHEN "A" IS GREATER THAN 6" AND LESS THAN OR EQUAL TO 12", A=B.
- WHEN "A" IS GREATER THAN 12" AND LESS THAN OR EQUAL TO 18", B=18".
- WHEN THE SUM OF "A" PLUS "B" IS 18" OR GREATER, PLYWOOD FORM IS REQUIRED.
- PROVIDE EXPANSION JOINTS AT 30'-0" O.C. MAX.
- TERMINATE REBARS 1/2" FROM EXPANSION JOINT.

PAVEMENT FINISH SURFACE SHALL BE A SMOOTH CONTINUATION OF ADJOINING PAVED SURFACE.



NOMINAL PIPE DIAMETER (INCHES)	WALLED TRENCH WIDTH	
	NARROW TRENCH WIDTH MIN. (INCHES)	
4	18	
6	18	
8	24	
12	36	



LOCATION	ASPHALT CONCRETE	BASE COURSE	
	THICKNESS	THICKNESS	TYPE
PARKING	3"	4"	CLASS 2 AGGREGATE BASE

**NOTES:**

- ASPHALT PAVEMENT SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF ALL FIRE APPARATUS & SHALL BE SURFACED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES FOR FIRE LANE.

**3 CONCRETE CURB DETAIL**  
NOT TO SCALE

**4 UTILITY TRENCH DETAIL**  
NOT TO SCALE

**5 ASPHALT PAVEMENT DETAIL**  
NOT TO SCALE

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PROJECT

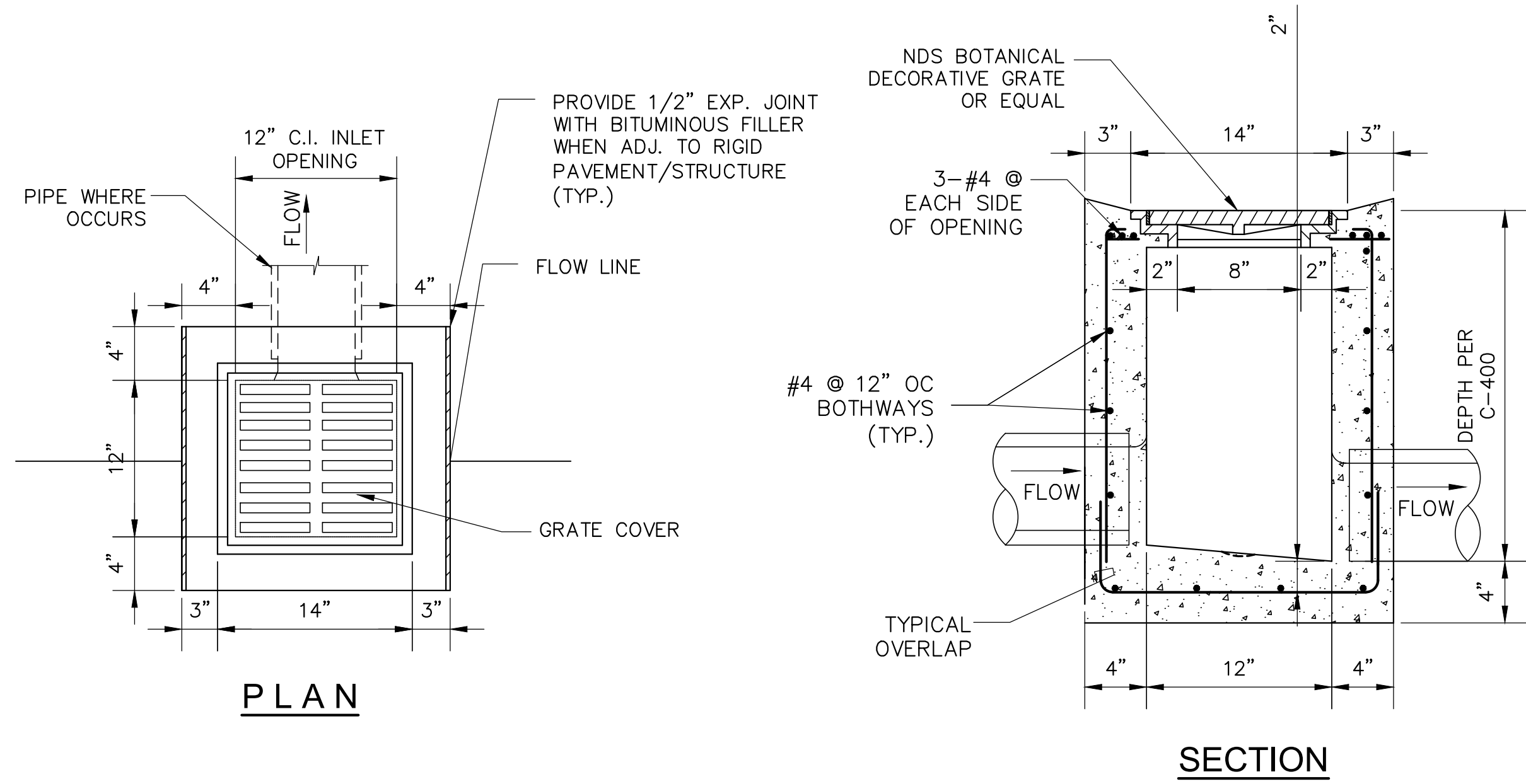
KEYPLAN

ISSUE CHART

NO.	DATE	ISSUE

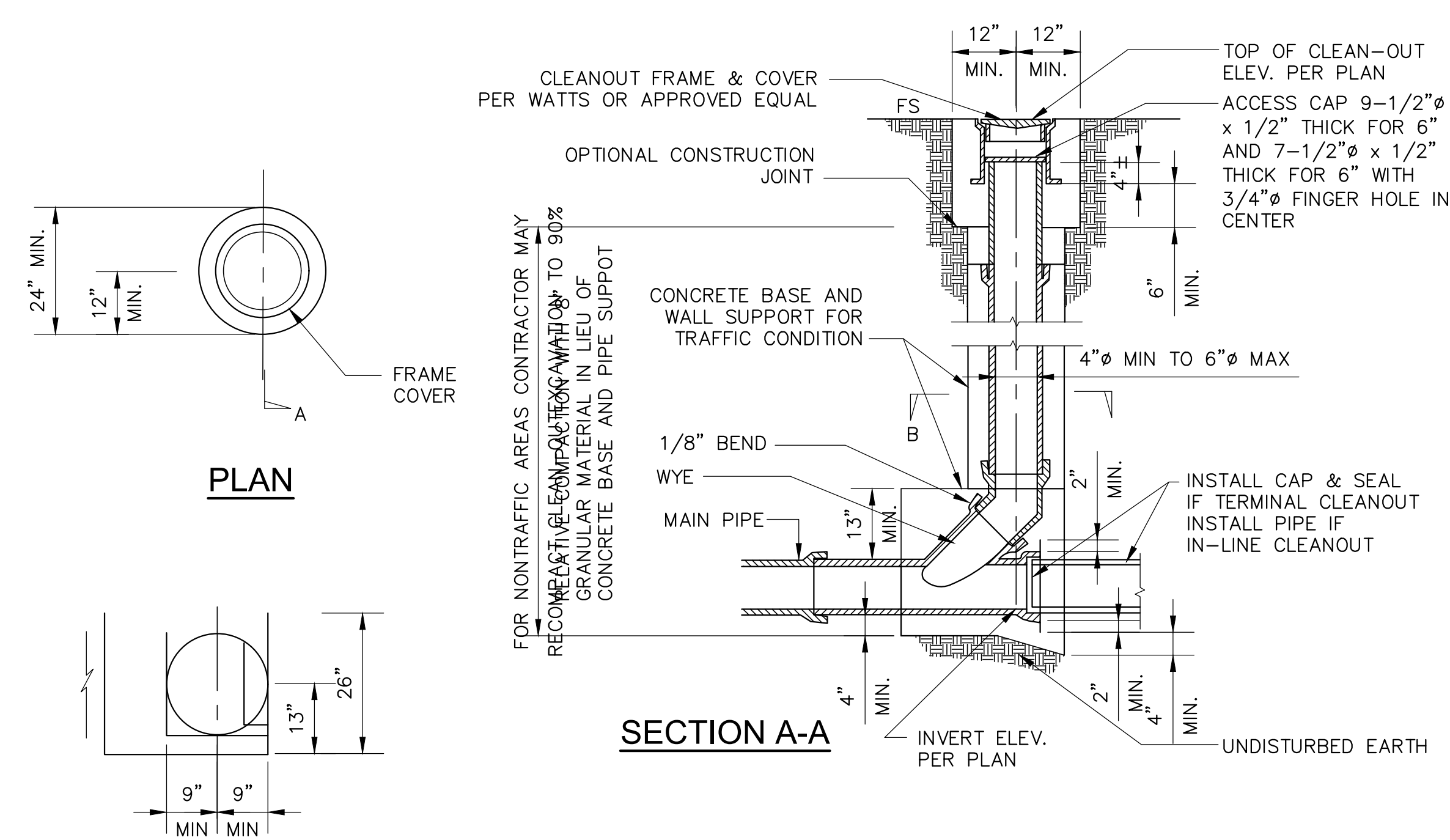
TITLE  
**MISCELLANEOUS DETAILS**

SHEET NUMBER  
**C-5.0**



**NOTES:**

- USE 3/4" DIA. PIPE BAR SPACERS ASSEMBLED ON (2) 1/2" DIA. RODS WITH THREADS AND NUTS AT BOTH ENDS.
- ALL METAL PARTS SHALL BE GALVANIZED AFTER FABRICATION AND WELDING, AND BEFORE ASSEMBLING.
- FRAME AND GRATE SHALL BE SIMILAR TO ALHAMBRA FOUNDRY CO. LTD. SERIES MODEL NO. 1581 OR BROOKS PRODUCTS, INC. OR APPROVED EQUAL.
- CONCRETE, FC'=3,000 PSI @ 28 DAYS PER SSPWC.
- CATCH BASIN ALTERNATE CAN BE PREFABRICATED AVAILABLE ON THE MARKET.
- PROVIDE LABEL WITH "NO DUMPING DRAINS TO OCEAN" AT ALL DRAINAGE INLETS PER DETAIL 3 ON SHEET C-503.



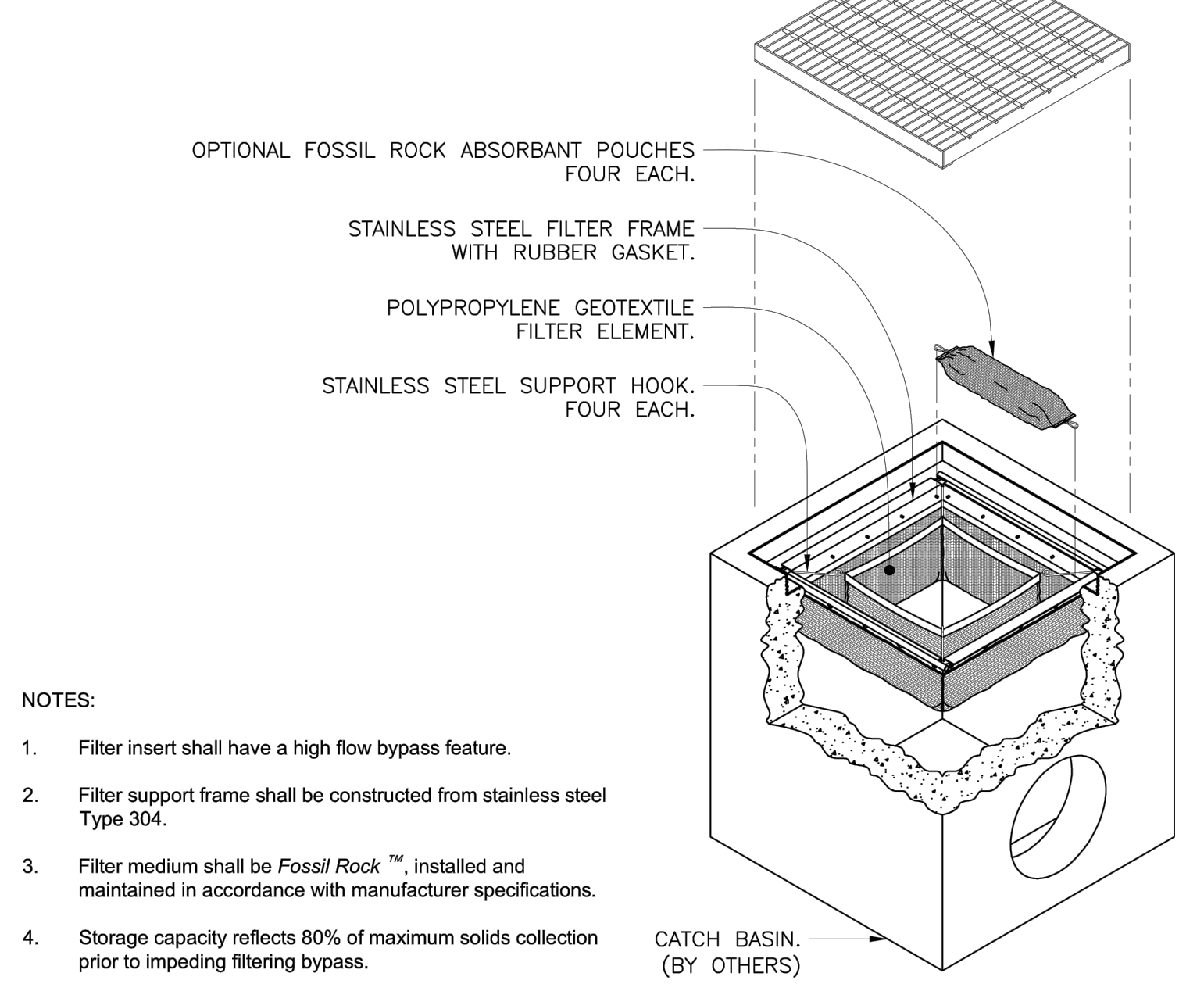
**NOTES:**

- FOR STORM DRAINAGE CLEAN OUT COVER, PROVIDE COVER WITH INSCRIPTION "D" TO DENOTE STORM DRAINAGE.

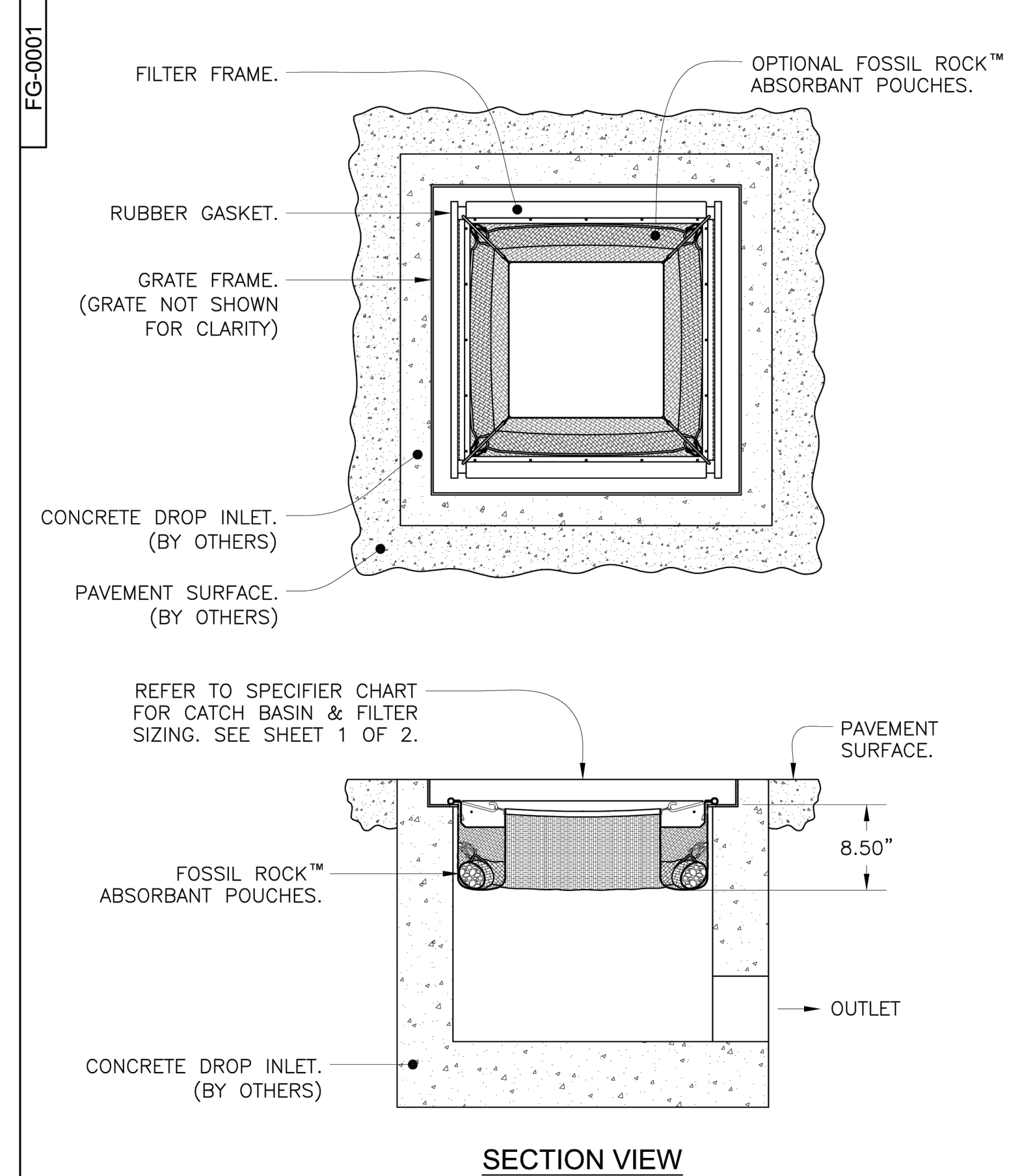
**1 12"X12" CATCH BASIN DETAIL**  
NOT TO SCALE

**3 CLEANOUT DETAIL**  
NOT TO SCALE

MODEL	INLET ID	GRATE OD	COMMENTS
FF-12D	12" X 12"	15" X 15"	GRATED INLET
FF-16D	16" X 16"	18" X 18"	GRATED INLET
FF-18D	18" X 18"	20" X 20"	GRATED INLET
FF-1836SD	18" X 36"	18" X 40"	GRATED INLET
FF-1836DGO	18" X 36"	18" X 40"	COMBINATION INLET
FF-24D	24" X 24"	26" X 26"	GRATED INLET
FF-2436SD	24" X 36"	24" X 40"	GRATED INLET
FF-24DGO	24" X 24"	18" X 26"	COMBINATION INLET
FF-2436DGO	24" X 36"	24" X 40"	COMBINATION INLET
FF-36D (2 PIECE)	36" X 36"	36" X 40"	GRATED INLET
FF-3648D (2 PIECE)	36" X 48"	40" X 48"	GRATED INLET



- NOTES:**
- Filter insert shall have a high flow bypass feature.
  - Filter support frame shall be constructed from stainless steel Type 304.
  - Filter medium shall be Fossil Rock™, installed and maintained in accordance with manufacturer specifications.
  - Storage capacity reflects 80% of maximum solids collection prior to impeding filtering bypass.



**FloGard®**  
Catch Basin Insert Filter  
Grated Inlet Style

**Oldcastle®**  
Stormwater Solutions  
7721 Southpark Plaza, Suite 200 | Denver, CO 80231 | P: 800.579.8819 | oldcastlestormwater.com  
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DRAWING NO. EGD-0142  
FG-0001 E JPR 7/13/16 JPR 12/18/06 SHEET 1 OF 2

**FloGard®**  
Catch Basin Insert Filter  
Grated Inlet Style

**Oldcastle®**  
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7721 Southpark Plaza, Suite 200 | Denver, CO 80231 | P: 800.579.8819 | oldcastlestormwater.com  
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DRAWING NO. EGD-0142  
FG-0001 E JPR 7/13/16 JPR 12/18/06 SHEET 2 OF 2

**2 CATCH BASIN FILTER INSERT DETAIL**  
NOT TO SCALE

**4 TRENCH DRAIN DETAIL**  
NOT TO SCALE

CONSULTANTS

**MCA ENGINEERS, INC.**  
1441 S. Garfield Avenue  
Alhambra, CA 91804  
Tel: 626.278.8888  
Fax: 626.278.8800

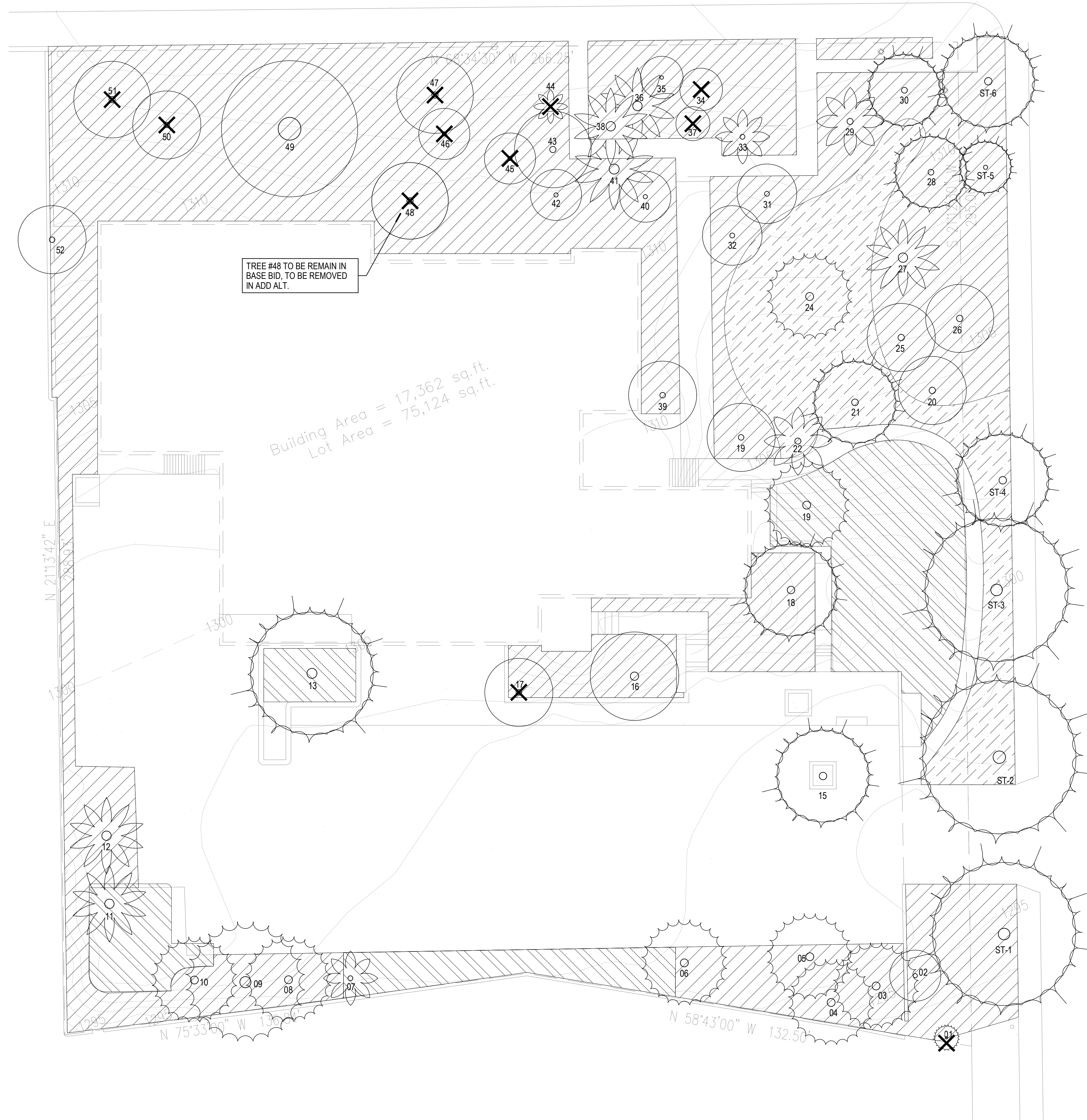
PROFESSIONAL ENGINEER  
No. C36079  
Exp. 6/30/24  
CIVIL  
STATE OF CALIFORNIA

PROJECT
KEYPLAN
ISSUE CHART

Drawn
Checked
Approved

TITLE  
MISCELLANEOUS  
DETAILS

SHEET NUMBER  
C-5.1



TREE #48 TO BE REMAIN IN BASE BID, TO BE REMOVED IN ADD. ALT.

Building Area = 17,362 sq.ft.  
Lot Area = 75,124 sq.ft.

TREE LEGEND		
SYMBOL	DESCRIPTION	QTY.
	EXISTING TREE TO BE REMOVED, GRIND STUMP.	11
	ALL TREES NOT INDICATED TO BE REMOVED SHALL BE PROTECTED IN PLACE. PROVIDE TREE PROTECTION PER NOTES BELOW.	46

REFER TO SHEET L003 FOR ARBORIST REPORT

- TREE PROTECTION NOTES**
- EXISTING TREES SHALL BE IDENTIFIED AND PRESERVED WITH PROTECTIVE FENCING TO FORM A PROTECTED ROOT ZONE (PRZ). TO CALCULATE THE PRZ, MEASURE THE TREE'S DIAMETER (DBH) 4.5 FEET ABOVE THE GROUND IN INCHES. FOR EACH INCH, PROVIDE ONE FOOT OF PROTECTED AREA FROM THE OUTSIDE FACE OF THE TRUNK. FOR EXAMPLE IF A TREE'S DBH IS TEN INCHES, ITS PROTECTED ROOT ZONE EXTENDS 10' FROM THE FACE OF TRUNK AROUND THE TREE. WITH A DIAMETER OF 20'-10". SEE ARBORIST REPORT FOR DBH OF EXISTING TREES.
  - PROTECTIVE FENCING SHALL BE INSTALLED PRIOR TO ANY EARTHWORK AND UNTIL WORK IS COMPLETE. FENCING SHALL BE SIX FEET IN HEIGHT AND INSTALLED AT THE OUTER MOST EDGE OF THE CANOPY OR PROTECTED ROOT ZONE (PRZ). THE TEMPORARY FENCING SHALL BE CHAIN LINK FENCING OR OTHER APPROVED DURABLE MATERIAL. POST TREE PROTECTION ZONE - KEEP OUT! SIGNS ON THE PRZ FENCING. NO CONSTRUCTION OR STAGING EQUIPMENT IS ALLOWED WITHIN THE PROTECTED ROOT ZONE INCLUDING HEAVY EQUIPMENT THAT WILL COMPACT AND DAMAGE THE ROOTS.
  - NO DISPOSAL OF CONSTRUCTION MATERIALS OR BY PRODUCTS INCLUDING PAINT, PLASTER OR CHEMICAL SOLUTIONS IS ALLOWED WITHIN THE PROTECTED ROOT ZONE. NATURAL OR PRECONSTRUCTION GRADE SHALL BE MAINTAINED WITHIN THE TREE PROTECTION ZONE. AT NO TIME SHALL SOIL BE IN CONTACT WITH THE TREE TRUNK ABOVE THE ROOT FLARE.
  - THE PROTECTION ZONE SHOULD BE IRRIGATED SUFFICIENTLY WITH CLEAN POTABLE WATER TO KEEP THE TREE IN GOOD HEALTH AND VIGOR BEFORE DURING AND AFTER CONSTRUCTION. DEEP WATERING MAY BE NECESSARY ON A WEEKLY BASIS. VERIFY DEPTH OF IRRIGATION TO ROOTS.
  - APPLY A 4"-6" LAYER OF MULCH IN THE PRZ, 1 FOOT AWAY FROM THE TRUNK, BEFORE CONSTRUCTION BEGINS.
  - ANY WORK REQUIRED TO BE CONDUCTED IN THE GROUND WITHIN THE PRZ SHALL BE ACCOMPLISHED WITH AN AIR SPADE TO MAKE ROOTS VISIBLE AND USE OF HAND TOOLS.
  - PRUNING FOR CLEARANCE, IF NEEDED, SHALL BE DONE TO PREVENT DAMAGING BRANCHES WITH LARGE EQUIPMENT. ALL PRUNING SHALL BE IN ACCORDANCE WITH INDUSTRY STANDARDS, (INTERNATIONAL SOCIETY OF ARBORICULTURE OR ANSI A300), UNDER THE DIRECTION OF A CERTIFIED ARBORIST.
  - A CERTIFIED ARBORIST SHALL BE PRESENT IF MORE THAN 33% OF THE ROOT ZONE IS IMPACTED OR ROOTS GREATER THAN 2" OR WITHIN 5' OF THE TRUNK WILL BE CUT, TO ENSURE TREE STABILITY AND HEALTH. CUTS SHOULD BE CLEAN AND MADE AT RIGHT ANGLES TO THE ROOTS. CUT ROOTS BACK TO A BRANCHING LATERAL.
  - PRUNING CUTS OR DAMAGED BARK SHALL BE CUT CLEAN TO HEAL. DO NOT USE TREE SEAL OR PAINT.
  - TRENCHES FOR PIPING OR UTILITIES SHALL NOT BE CONSTRUCTED WITH THE TREE PROTECTION ZONES BUT SHALL BE RE-ROUTED OR BORED UNDER TREES AT A MINIMUM OF 36" DEEP.
  - PROTECT SOIL AND ROOTS FROM COMPACTION IN LANDSCAPE AREAS USED FOR DRIVEWAYS, STORAGE OR PARKING WITH A LAYER OF GEOTEXTILE FABRIC AND 6" OF CRUSHED GRAVEL.
  - UPON COMPLETION OF THE PROJECT, A CERTIFIED ARBORIST SHALL PREPARE A REPORT DESCRIBING ALL WORK UNDERTAKEN THAT MAY IMPACT EXISTING TREES, WITH SPECIAL ATTENTION GIVEN TO GRADE CHANGE, COMPACTION, DRAINAGE, PRUNING, AND ONGOING REMEDIAL CARE RECOMMENDATIONS.

LANDSCAPE DEMOLITION LEGEND	
SYM.	DESCRIPTION
	EXISTING LANDSCAPE AREA TO REMAIN. PROTECT IN PLACE. MAINTAIN IRRIGATION DURING CONSTRUCTION THROUGH TEMPORARY ABOVE GROUND SYSTEM OR HAND WATERING. (APPROX 5,377 SF)
	EXISTING SHRUB AREA TO BE DEMOLISHED- CLEAR AND GRUB SO NO ORGANICS REMAIN. REMOVE HEADERS (APPROX. 25,076 SF)
	EXISTING TURF AREA TO BE DEMOLISHED. REMOVE EXISTING TURF WITH SOD CUTTER. DO NOT DAMAGE EXISTING TREE ROOTS. TREAT KIKUYU GRASS AND BROADLEAF WEEDS WITH TURFLON ESTHER, 2 APPLICATIONS OVER A 2 WEEK PERIOD (MINIMUM) PRIOR TO INSTALLING NEW PLANTING. APPLY PRE-EMERGENT (IRONSTAR OR EQUAL) PER MANUFACTURER'S RECOMMENDATIONS. (APPROXIMATELY 4,792 SF)



ANDERSON BRULÉ ARCHITECTS  
325 South First Street, 4th Floor  
San Jose, California 95113  
408.298.1885 | www.aba-arch.com

CONSULTANTS LOGO  
DEPARTMENT **F SPACE**  
SITE DESIGN STUDIO  
450 N. Indiana St., Suite 208  
Cloverleaf, CA 95111

STAMP  
**NOT FOR CONSTRUCTION**

NO.	DATE	REVISIONS
1	10-11-23	100% DD

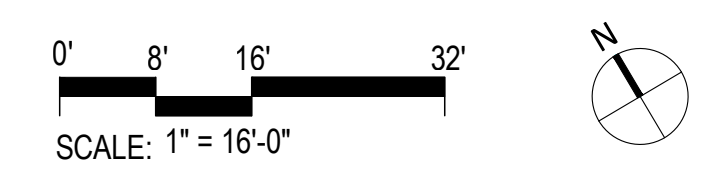
PROJECT TITLE:  
**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10-11-23

SHEET TITLE:  
**LANDSCAPE DEMOLITION PLAN**

SCALE: AS SHOWN

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**L001**





ALTADENA LIBRARY DISTRICT  
600 Mariposa Street Altadena CA 90110

#	Species	Common	DBH (in)	HxW	Health	Structure	N (')	W (')	S (')	E (')	Detail
1	<i>Cupressus sempervirens</i>	Italian Cypress	18.0	50x20	75	72	1	OP	OP	10	Storm damage, pruned for clearance, co-dominant main scaffold branches. Prune for structure if shrubs that have become trees
2	<i>Pittosporum tobira</i>	Mock Orange	3,2.5, 2, 2, 3.5	18x20	78	75	10	10	10	10	Shrubs that have become trees
3	<i>Pinus canariensis</i>	Canary Island Pine	26.5	70x35	72	70	17	17	17	17	Crown raised to 25 ft. Epicormic growth, restructured after severe pruning event, foliage off color. Monitor yearly - stimulate root and shoot growth with low salt fertilizer and water
4	<i>Pinus canariensis</i>	Canary Island Pine	17.0	45x20	70	68	10	10	10	10	Crown raised to 20 ft. co-dominant structure, foliage off color, epicormic shoots. Monitor yearly, stimulate root growth with fertigation. May be a candidate for removal - health
5	<i>Pinus canariensis</i>	Canary Island Pine	23.0	70x30	73	72	15	15	15	15	Crown raised to 25 ft. Epicormic growth, restructured after severe pruning event, foliage off color. Monitor yearly - stimulate with low salt fertilizer and water
6	<i>Pinus canariensis</i>	Canary Island Pine	28.5	70x30	73	70	15	15	15	15	Crown raised to 25. Metal stake growing into tree, epicormic shoots, base of tree is swollen and sound hollow when struck with mallet. Advanced decay detection (sonic tomography) recommended.
7	<i>Phoenix canariensis</i>	Canary Island Date Palm	14' BT	20 x 20	75	75	10	10	10	10	20 live fronds, leaf bases shaped (wounds to trunk)
8	<i>Pinus canariensis</i>	Canary Island Pine	13.3	30x15	70	70	7	7	7	7	May be a candidate for removal - health. Suppressed by adjacent tree
9	<i>Pinus canariensis</i>	Canary Island Pine	40.5	60x50	75	80	30	25	20	12	Epicormic shoots, recovering from a hard prune, restructured. Foliage color good
10	<i>Pinus canariensis</i>	Canary Island Pine	28.0	65x35	75	75	21	12	15	19	Epicormic shoots, recovering from hard prune.
11	<i>Phoenix canariensis</i>	Canary Island Date Palm	25 ft BT	30x15	85	85	7	7	7	7	40 live fronds, memorial bench underneath
12	<i>Phoenix canariensis</i>	Canary Island Date Palm	20 ft BT	25 x 15	90	85	7	7	7	7	40 live fronds, memorial bench underneath
13	<i>Cedrus deodara</i>	Deodar Cedar	32.5	55x60	75	72	30	30	20	25	North side of tree is over structure. Soil very dry, thinning canopy, dieback on W (heat damage?) woodpecker damage. Fertigation recommended to improve shoot and root growth
14	<i>Cedrus deodara</i>	Deodar Cedar	20.0	25x30	69	70	15	15	15	15	Dieback, in decline, poor new shoot growth, raised in small planter with limited root area. Candidate for removal - health.
15	<i>Cedrus deodara</i>	Deodar Cedar	14.5	35x25	85	85	12	12	12	12	Circling roots, in small planter which it may eventually outgrow. Treat as potted. Water and fertilize
16	<i>Afrocarpus falcata</i>	African Fern Pine	24.8	35x30	80	80	17	18	17	17	In main planter near rear entry, rounded and raised.
17	<i>Pistacia chinensis</i>	Chinese Pistache	11.5	20x20	72	70	10	10	15	10	Suppressed. Adjacent to shed by rear. May need to be removed to construct new entry
18	<i>Cedrus deodara</i>	Deodar Cedar	27.3	55x32	75	75	11	19	21	25	Crown raised to 25 ft. pruned hard and restructured, epicormic shoots
19	<i>Pinus canariensis</i>	Canary Island Pine	43.0	70x20	75	70	23	19	17	22	Crown raised, pruned hard and restructured, epicormic shoots, woodpecker holes
20	<i>Cupaniopsis anacardioides</i>	Carrotwood	11.5	20x20	75	70	9	9	9	9	Rounded over, center stripped, reduced. Candidate for removal - aesthetic
21	<i>Cedrus deodara</i>	Deodar Cedar	13.0	35x25	78	78	12.5	13	13	13	Julius Shulman memorial tree with plaque, cleared to 8 ft from grade, top broken, new top establishing
22	<i>Washingtonia filifera</i>	California fan palm	27 ft BT	40x10	72	70	5	5	5	5	Peniciling, hourglass thinning, spike wounds mechanical damage, woodpecker nests? Remove - health?
23	<i>Heptapleurum calyptrotum</i>	Tupidanthus	3.5, 4,3,6,6,5,5	15 x 20	75	72	7	10	12	11	Clump next to main library entry
24	<i>Pinus canariensis</i>	Canary Island Pine	40.0	55x35	75	75	18	15	18	16	Rounded and stubbed in previous hard pruning event, restructured, epicormic shoots, new shoot growth OK, monitor yearly for new growth, Water and fertilize. Removal candidate - aesthetic
25	<i>Cupaniopsis anacardioides</i>	Carrotwood	9.5	30x25	75	70	10	9	8	10	Rounded over, center stripped, reduced. Candidate for removal - aesthetic
26	<i>Cupaniopsis anacardioides</i>	Carrotwood	8.0	25x25	75	70	11	8	10	9	Rounded over, center stripped, reduced. Candidate for removal - aesthetic
27	<i>Phoenix canariensis</i>	Canary Island Date Palm	40 ft BT	45 x15	78	75	7	7	7	7	Peniciling, air roots, 40 live fronds, nests
28	<i>Pinus canariensis</i>	Canary Island Pine	18.0	50x20	75	75	9	8	14	10	Epicormic shoots. Candidate for removal - aesthetic
29	<i>Phoenix canariensis</i>	Canary Island Date Palm	20 ft BT	30 x 20	85	85	10	10	10	10	20 live fronds, growing at an angle on rocks
30	<i>Pinus canariensis</i>	Canary Island Pine	17.0	45x25	85	85	12	9	9	10	Healthy new growth
31	<i>Pistacia chinensis</i>	Chinese Pistache	7.5	15x20	75	75	7	7	7	7	5 Rounded over, 5 degree lean NW
32	<i>Pistacia chinensis</i>	Chinese Pistache	7.5	15x20	75	75	7	7	7	7	Rounded over, shortened
33	<i>Washingtonia robusta</i>	Mexican Fan Palm	30 ft BT	35x12	75	75	6	6	6	6	May be candidate for removal - aesthetic
34	<i>Arbutus marina</i>	Strawberry Tree	13 @1 ft	25x17	75	75	9	8	8	8	9 Crowded branching, center stripped, poor callus tissue formation
35	<i>Arbutus marina</i>	Strawberry Tree	9 @2ft	20x14	72	73	7	6	7	7	Mechanical damage to cambium layer, circling roots, crowded branches, seam of damage on bark,
36	<i>Phoenix canariensis</i>	Canary Island Date Palm	20 ft BT	20x20	78	78	10	10	10	10	Seedling trees in leaf bases on lower trunk where it is wet by sprinklers. Remove spray from trunk
37	<i>Arbutus marina</i>	Strawberry Tree	5 @ 3ft	15x7	70	70	0	4	4	3	Declining, canker damage at base. Candidate for removal - health
38	<i>Phoenix canariensis</i>	Canary Island Date Palm	35 ft BT	40x15	72	73	7	7	7	7	Signs of dieback in fronds, monitor for pink rot, remove sprinklers spray from trunk

ALTADENA LIBRARY DISTRICT  
600 Mariposa Street Altadena CA 90110

#	Species	Common	DBH (in)	HxW	Health	Structure	N (')	W (')	S (')	E (')	Detail
39	<i>Heptapleurum calyptrotum</i>	Tupidanthus	5,5,7,9,5, 9	33x12	85	75	6	0	6	8	Near wall front planter facing Mariposa near building
40	<i>Pistacia chinensis</i>	Chinese Pistache	7.5	20x13	80	75	6	6	6	7	Symmetrical, dominant, near front entry walk from Mariposa
41	<i>Phoenix canariensis</i>	Canary Island Date Palm	20 ft BT	30x20	90	90	10	10	10	10	Near sidewalk, remove sprinkler spray from trunk, seedling acorns growing on tree
42	<i>Arbutus marina</i>	Strawberry Tree	13 @2 ft	25x15	80	75	6	8	12	9	Suppressed, shortened, hummingbird feeder in tree
43	<i>Jacaranda mimosifolia</i>	Jacaranda	17.0	40x25	72	72	10	27	23	9	Co-dominant scaffolds, restructured after hard pruning, needs continued restructuring
44	<i>Phoenix canariensis</i>	Canary Island Date Palm	3ft BT	5x15	90	90	7	7	7	7	Too close to sidewalk? Young tree. Relocate? Awkward location
45	<i>Arbutus marina</i>	Strawberry Tree	10 @ 1 ft	20x17	80	70	9	10	7.5	7	Severely co-dominant, crowded branches, remove ivy. Prune for structure over time
46	<i>Arbutus marina</i>	Strawberry Tree	8 @ 2ft	20x11	70	70	5	5	4	7.5	Structural crack in main trunk. Candidate for removal - health/structure
47	<i>Jacaranda mimosifolia</i>	Jacaranda	17.0	40x24	75	73	12.5	12	10	24	Exposed roots, lean, poor trunk taper, power line through canopy. Removal candidate - aesthetic
48	<i>Jacaranda mimosifolia</i>	Jacaranda	15.0	40x30	75	73	5	9	21	13	Severely co dominant branches, circling roots, leaning S, trunk buried, South canopy over structure
49	<i>Olea europaea</i>	Olive	10,8,13,9,17,25	35x45	90	75	24	24	21	19	Remove water spray on trunk, hole and decay on lower branch on NE, interior foliage stripped, Monitor yearly
50	<i>Pittosporum tobira</i>	Mock Orange	6,8,4,6	20x14	72	74	7.5	12	11	12	Canker on inside branch. Slow moving disease. Sterilize tools
51	<i>Quercus agrifolia</i>	Coast live oak	9.0	30x11	85	72	8	5.5	5.5	9	Poor taper, center stripped, string on trunk, prune for structure? Remove for new driveway?
52	<i>Quercus agrifolia</i>	Coast live oak	12 @1.5 ft	30x16	90	70	9	Oppl	7	9	Growing in fence, Remove for new driveway? Not a good relocation candidate
St-1	<i>Cedrus deodara</i>	Deodar Cedar	38.0	60x50	75	75	24	21	26	26	Possible root damage on S, crown raised to 18 ft., stub cuts, circling root 1" in diameter could be cut. Lights and rigging in canopy
St-2	<i>Cedrus deodara</i>	Deodar Cedar	53.0	70x60	80	73	30	30	30	30	Severely co-dominant structure, potential for branch failure from weak attachment. Circling roots. Decay can be seen in lower scaffold branch. Driveway 10ft S, Walkway 15 ft W, Street on E. Lights and rigging in canopy
St-3	<i>Cedrus deodara</i>	Deodar Cedar	40.0	70x50	80	75	25	25	25	25	Circling roots, root uplift on sidewalk that has been patched, lights and rigging in canopy
St-4	<i>Cedrus deodara</i>	Deodar Cedar	33.5	70x34	80	80	17	17	17	17	Co-dominant scaffolds, lights and rigging
St-5	<i>Cedrus deodara</i>	Deodar Cedar	2.0	15x15	95	95	7	7	7	7	Young healthy tree
St-6	<i>Cedrus deodara</i>	Deodar Cedar	15.0	40x30	80	80	16	13	14	15	Trunk has bulging that may be decay, further testing is recommended, rigging and lights in tree



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	10-11-23	100% DD

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10-11-23  
SHEET TITLE:  
**ARBORIST REPORT**

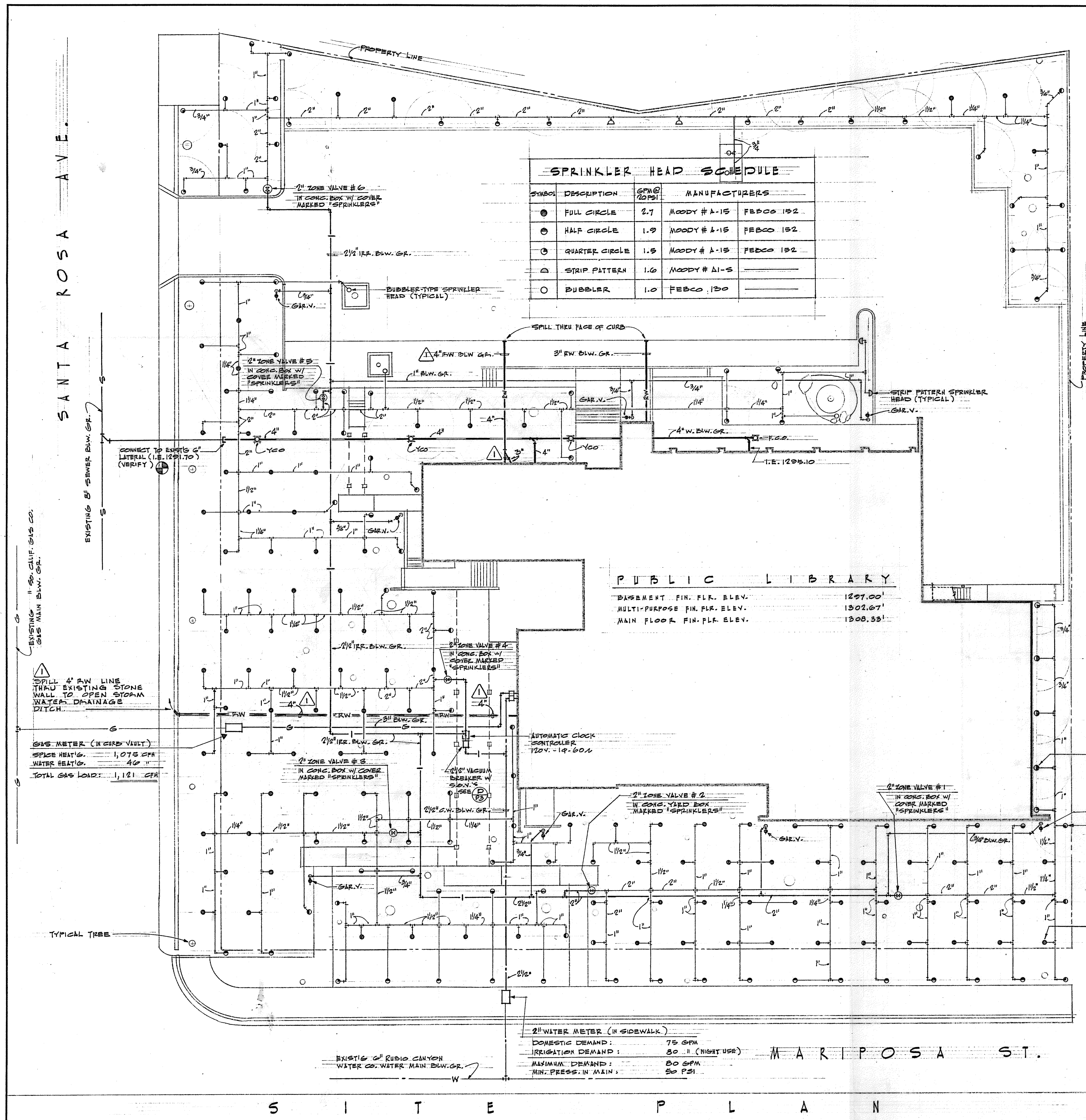
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MARK NO.	DESCRIPTION	CONNECTIONS					REMARKS
		W	V	GW	HW	G	
1	WATER CLOSET, PUBLIC	4"	2"	1 1/2"	•	•	WALL HUNG, FLUSH VALVE
2	WATER CLOSET, PRIVATE	4"	2"	3/4"	•	•	WALL HUNG, TANK TYPE
3	URINAL	2"	1/2"	1/4"	•	•	WALL HUNG, MOUNTING HEIGHTS: MEN'S TOILET RM.: 24" TO LIP BOYS TOILET RM.: 18" TO LIP
4	LAVATORY	2"	1/2"	1/2"	1/2"	•	20" x 18" WALL HUNG
5	LAVATORY	2"	1/2"	1/2"	1/2"	•	18" DIA. COUNTERTOP
6	SERVICE SINK	3"	1 1/2"	3/4"	3/4"	•	20" x 24" TRIP STANDARD
7	SINK, STAINLESS STEEL	2"	1/2"	1/2"	1/2"	•	18" x 20" SINGLE COMPARTMENT
8	SINK, CAST IRON	2"	1/2"	1/2"	1/2"	•	32" x 21" DOUBLE COMPARTMENT
9	DRINKING FOUNTAIN	2"	1/2"	1/2"	•	•	SURFACE MOUNTED
10	WATER COOLER, ELECTRIC	2"	1/2"	1/2"	•	•	1/2 H.P. 115 V. - 1 1/2 - 60A SBAI - RECESSED
11	DOMESTIC WATER HEATER	•	•	1 1/4"	1 1/4"	3/4"	50,000 BTU/HR. 30 GAL. STORAGE CAPACITY
12	HOT WATER CIRCULATOR	•	•	•	3/4"	•	1/2 H.P. 120 V. - 1 1/2 - 60A
13	KITCHEN UNIT (SEE BID. #A)	2"	1/2"	1/2"	1/2"	•	3,500 WATT RANGE & OVEN 1/2 H.P. GARB. DISP. 120/200V. 3 1/2 - 60A
14	FLOOR DRAIN	2"	1 1/2"	•	•	•	5" DIA. BRONZE STRAINER
15	FLOOR DRAIN	2"	1 1/2"	•	•	•	COMBINATION DRIP DECK W/ 6" DIA. FUNNEL & 8" DIA. STRAINER
16	FLOOR SINK	2"	1/2"	•	•	•	18" SQ. x 8" DEEP
17	ROOF DRAIN	•	•	•	•	•	BOTTOM OUTLET 3" x 2"
18	ROOF DRAIN	•	•	•	•	•	SIDE OUTLET 2" x 2"

ABBREVIATION	DESCRIPTION	SYMBOL
S	EXISTING SEWER LINE	—S—
W	EXISTING WATER LINE	—W—
S&W	SEWER & WASTE, CAST IRON PIPE	—S&W—
S	SEWER, VITRIFIED CLAY PIPE	—S—
RW	RAINWATER PIPING, CAST IRON OR GALV. STEEL	—RW—
RW	RAINWATER PIPING, VITRIFIED CLAY PIPE	—RW—
V, VTR	VENT, VENT THROUGH ROOF	—V—
CW	COLD WATER	—CW—
HW	HOT WATER	—HW—
HWR	HOT WATER RETURN	—HWR—
G	GAS	—G—
YCO, WCO, FCO	YARD CLEANOUT, WALL CLEANOUT, FLOOR CLEANOUT	—YCO—
DS	DOWN SPOUT	—DS—
S.O.V.	SHUT-OFF VALVE	—S.O.V.—
P.O.C.	POINT OF CONNECTION	—P.O.C.—
P.T.	PLUGGED TEE	—P.T.—
I.E.	INVERT ELEVATION	—I.E.—
C.D.	CONDENSATE DRAIN	—C.D.—
I.R.	IRRIGATION WATER	—I.R.—
R.P., G.A.V.	ROSE BIBB; GARDEN VALVE	—R.P.—
MARK NO.	MARK NO.	—MARK NO.—
ROOM NO.	ROOM NO.	—ROOM NO.—

- LEGEND**
- ALL WORK MUST CONFORM TO REQUIREMENTS OF GOVERNING CODES & AUTHORITIES HAVING JURISDICTION.
  - ALL PIPING & EQUIPMENT MUST BE INSTALLED IN ACCORDANCE WITH DRAWINGS & SPECIFICATIONS. OBTAIN APPROVAL IN WRITING FROM ARCHITECT FOR ANY DEVIATION.
  - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS & MOUNTING HEIGHTS OF ALL PLUMBING FIXTURES.
  - ALL PIPING TO BE CONCEALED UNLESS OTHERWISE NOTED OR SHOWN.
  - Ⓢ UNDER GENERAL CONTRACTOR WORK SECTION.
  - Ⓜ UNDER HEATING & AIR CONDITIONING WORK SECTION.
  - Ⓟ UNDER PLUMBING WORK SECTION.
  - Ⓡ UNDER ELECTRICAL WORK SECTION.

**GENERAL NOTES**

REV. G-1-06  
BILDA DEPT. CORRECTIONS 7-5-06  
DATE  
AUG 19, '06

APPROVED: *Robert Williams, Board President*  
 STRUCTURAL ENGINEER: HILLMAN, BIDDISON & LOEVENGUTH 624-3743 LOS ANGELES  
 MECHANICAL ENGINEER: THOS. H. PARRY & ASSOC. 792-2277 PASADENA  
 ELECTRICAL ENGINEER: WILLIAM H. KING 792-5789 PASADENA

**ALTADENA LIBRARY** FOR THE ALTADENA LIBRARY DISTRICT ALTADENA, CALIFORNIA

**BOYD GEORGI AIA** 681-2127 798-6734 1704 SKYVIEW DRIVE ALTADENA OF 4

ORIGINAL SITE PLUMBING PLAN SHOWN FOR REFERENCE ONLY  
 LOCATIONS OF EXISTING IRRIGATION MAINLINES AND LATERALS TO BE DETERMINED IN FIELD

- IRRIGATION REMOVAL NOTES**
- EXISTING IRRIGATION SYSTEM TO BE REMOVED AND REPLACED. SALVAGE ALL EXISTING VALVES AND VALVE BOXES FOR POTENTIAL REUSE.
  - LOCATE AND REUSE EXISTING SLEEVES OR LINES RUNNING UNDERNEATH PAVING OR THROUGH HARDSCAPE AREA.
  - REMOVE ALL MAINLINES AND LATERAL LINES. IF EXISTING IRRIGATION LINES TO BE REMOVED RUN THROUGH EXISTING TREE ROOTS, SHRUB AREAS TO REMAIN, OR EXISTING UTILITIES CUT LINES AS NEEDED AND LEAVE IN PLACE SO THESE AREAS ARE NOT DISTURBED.
  - DURING CONSTRUCTION, MAINTAIN IRRIGATION TO ALL PLANTING AREAS AND TREES TO REMAIN THROUGH TEMPORARY ABOVE GROUND IRRIGATION OR HAND WATERING. COORDINATE WITH LIBRARY FACILITIES REGARDING RUN TIMES AND COVERAGE.
  - THE ATTACHED PLUMBING PLAN IS AS DESIGNED FROM THE 1960S AND INTENDED TO BE USED AS REFERENCE ONLY. DO NOT REMOVE ANY OTHER SITE UTILITIES (INCLUDING PLUMBING, GAS) AS PART OF THIS SCOPE OF WORK.

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 DEPARTMENT: SPACE  
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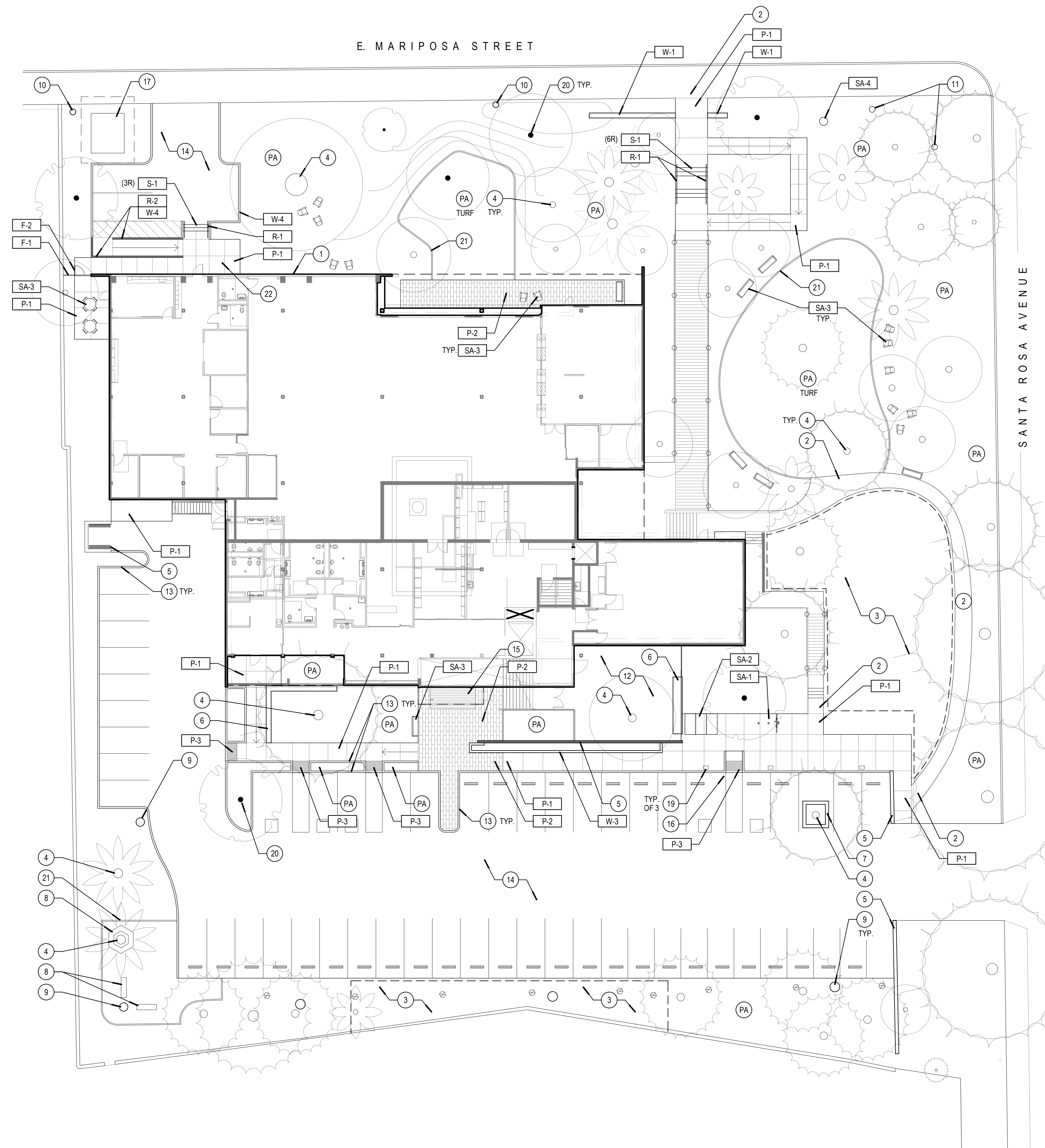
PROJECT TITLE:  
**ALTADENA MAIN LIBRARY**  
 600 E MARIPOSA STREET  
 ALTADENA, CA 91001

PROJECT NO.: 2111010  
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SHEET TITLE:  
**IRRIGATION DEMOLITION PLAN**

SCALE: AS SHOWN

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CONSTRUCTION LEGEND		
ITEM	DESCRIPTION	DETAIL
P-1	PEDESTRIAN CONCRETE PAVING- INTEGRAL COLOR DAVIS PEBBLE, LIGHT SAND FINISH, WITH SINAK HLQ-125 SEALANT	PER CIVIL
P-2	PRECAST CONCRETE PAVERS	05 / L110
P-3	TRUNCATED DOME PAVERS	06 / L110
P-4	SYNTHETIC TURF	09 / L110
S-1	CONCRETE STEPS	08 / L110
D-1	COMPOSITE WOOD DECKING	
D-2	STEPS AT WOOD DECK	
R-1	STEEL HANDRAIL AT STEPS	08 / L110
R-2	STEEL HANDRAIL AT RAMP	
F-1	WOOD FENCE	10 / L111
F-2	WOOD GATE	03 / L111
W-1	ENTRY SIGN WALL	09 / L111
W-2	STONE VENEER SEAT WALL	01 / L111
W-3	CONCRETE BLOCK PLANTER WALL	05 / L111
W-4	6" THICK LOW CONCRETE WALL / CURB MATCH P-1 COLOR AND FINISH. SEE CIVIL DRAWINGS FOR ELEVATIONS	
SA-1	BIKE RACKS- "CAPTOL" BY FORMS + SURFACES 800-451-0410, 3 RACKS = 6 SHORT TERM SPACES TOTAL	10 / L110
SA-2	BIKE LOCKERS- "SINGLE BIKE LOCKER" BY HUNTCO 503-224-9700, 3 LOCKERS = 3 LONG TERM BIKE PARKING SPACES TOTAL. POWDER COATED COLOR GRAPHITE WITH POP-T LOCK HANDLE AND STANDARD PERFORATIONS- ROUND PERFORATIONS AT EACH DOOR AND BIKE ICON PERFORATION AT OUTERMOST WALL FACING SIDEWALK. SUBMIT CUTSHEET AND SHOP DRAWING FOR APPROVAL. SURFACE MOUNT TO CONCRETE SLAB PER MANUFACTURER'S RECOMMENDATIONS	
SA-3	ANCHORED SITE FURNISHINGS TO BE SELECTED	
SA-4	RELOCATED FLAG POLE WITH NEW FOOTING	PER STRUCT.

CONSTRUCTION REFERENCE LEGEND	
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15	WALK OFF MAT
16	ACCESSIBLE RAMP- REFER TO CIVIL DRAWINGS
17	PROPOSED TRANSFORMER PAD
18	ENCLOSURE FOR TRASH AND MAINTENANCE STORAGE PER ARCHITECT
19	ELECTRICAL VEHICLE CHARGING STATION
20	PROPOSED TREE- SEE PLANTING PLAN
21	PROPOSED LANDSCAPE EDGING- SEE PLANTING PLAN
22	9' X 10' PAD FOR MAINTENANCE SHED
PA	PROPOSED PLANTING AREA- SEE PLANTING PLAN



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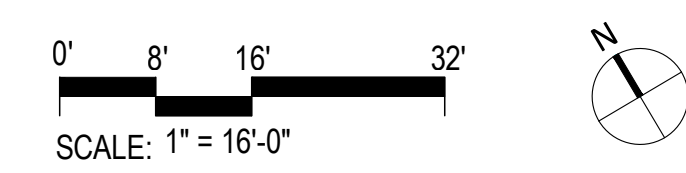
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**SITE CONSTRUCTION PLAN**

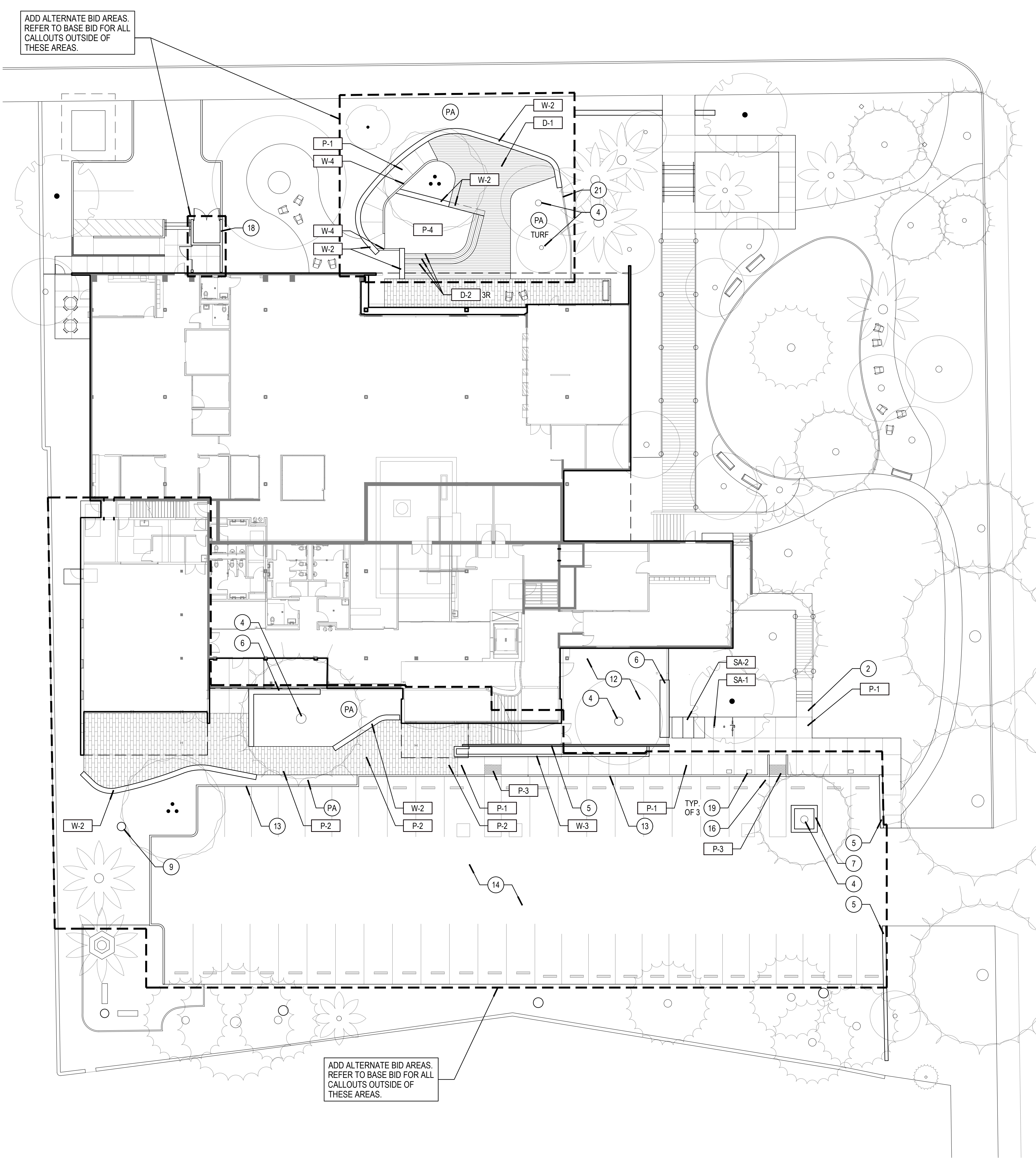
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ADD ALTERNATE BID AREAS. REFER TO BASE BID FOR ALL CALLOUTS OUTSIDE OF THESE AREAS.

ADD ALTERNATE BID AREAS. REFER TO BASE BID FOR ALL CALLOUTS OUTSIDE OF THESE AREAS.

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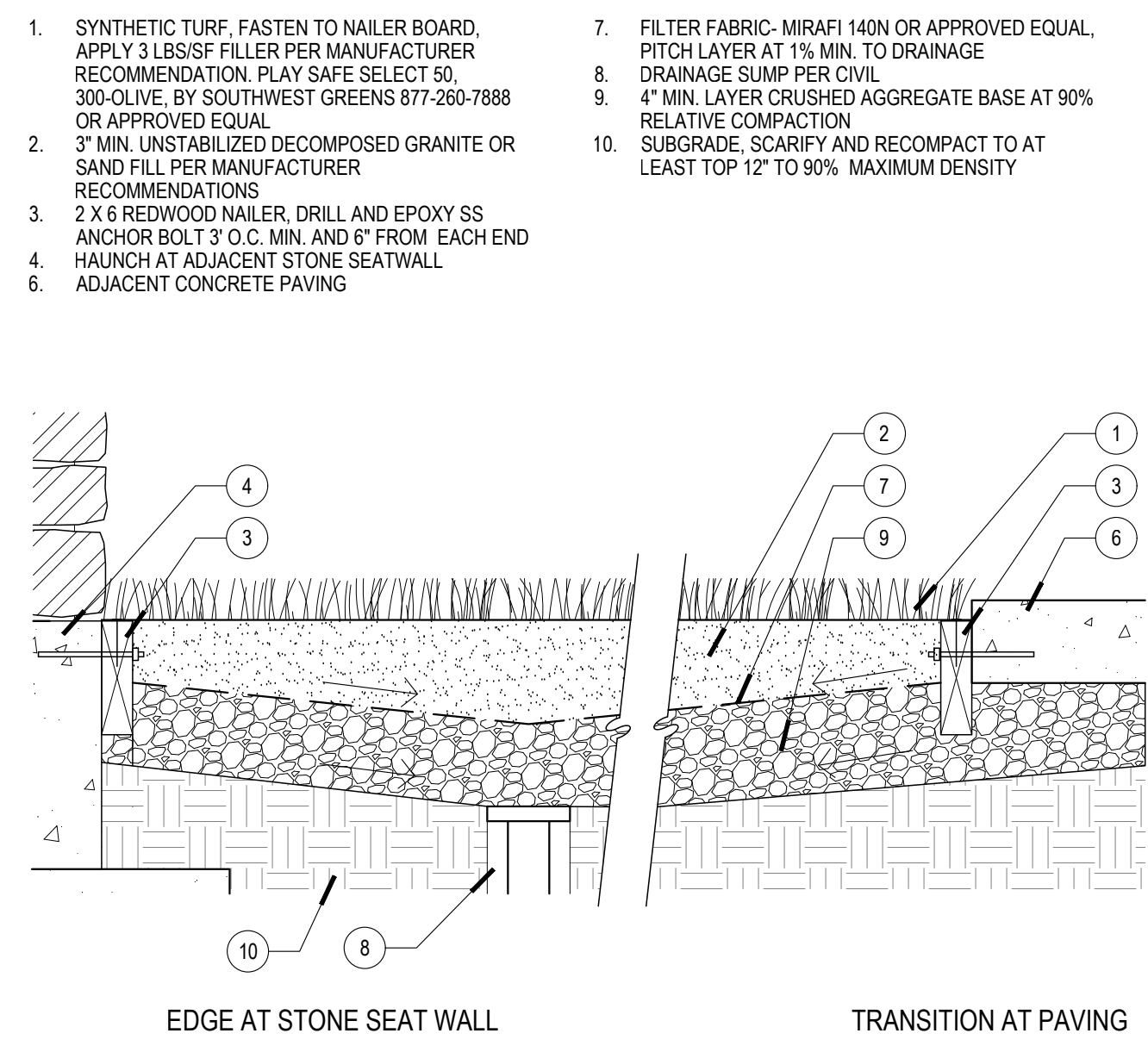
SHEET TITLE:

**SITE CONSTRUCTION PLAN- ADD ALT**

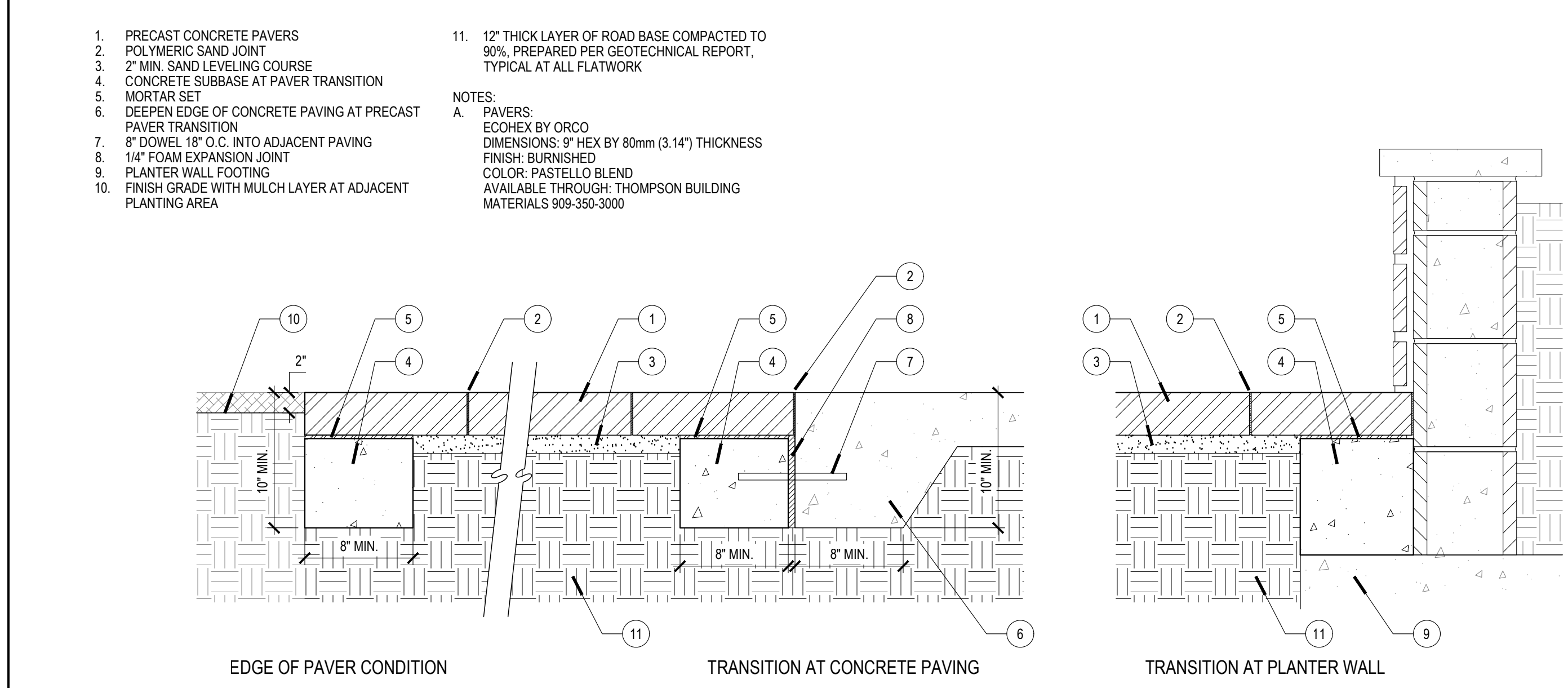
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SCALE: 1" = 16'-0"

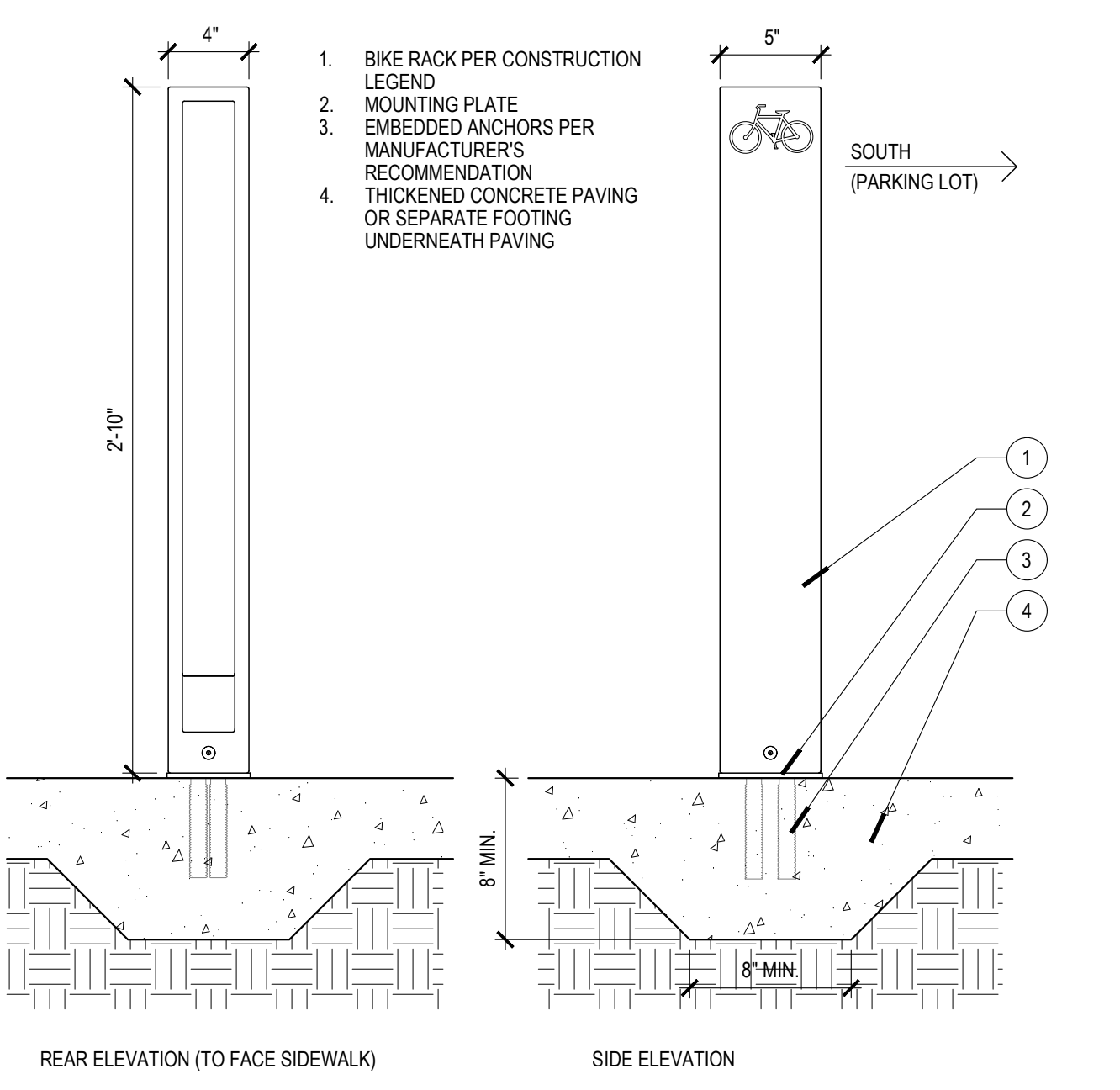
L100A



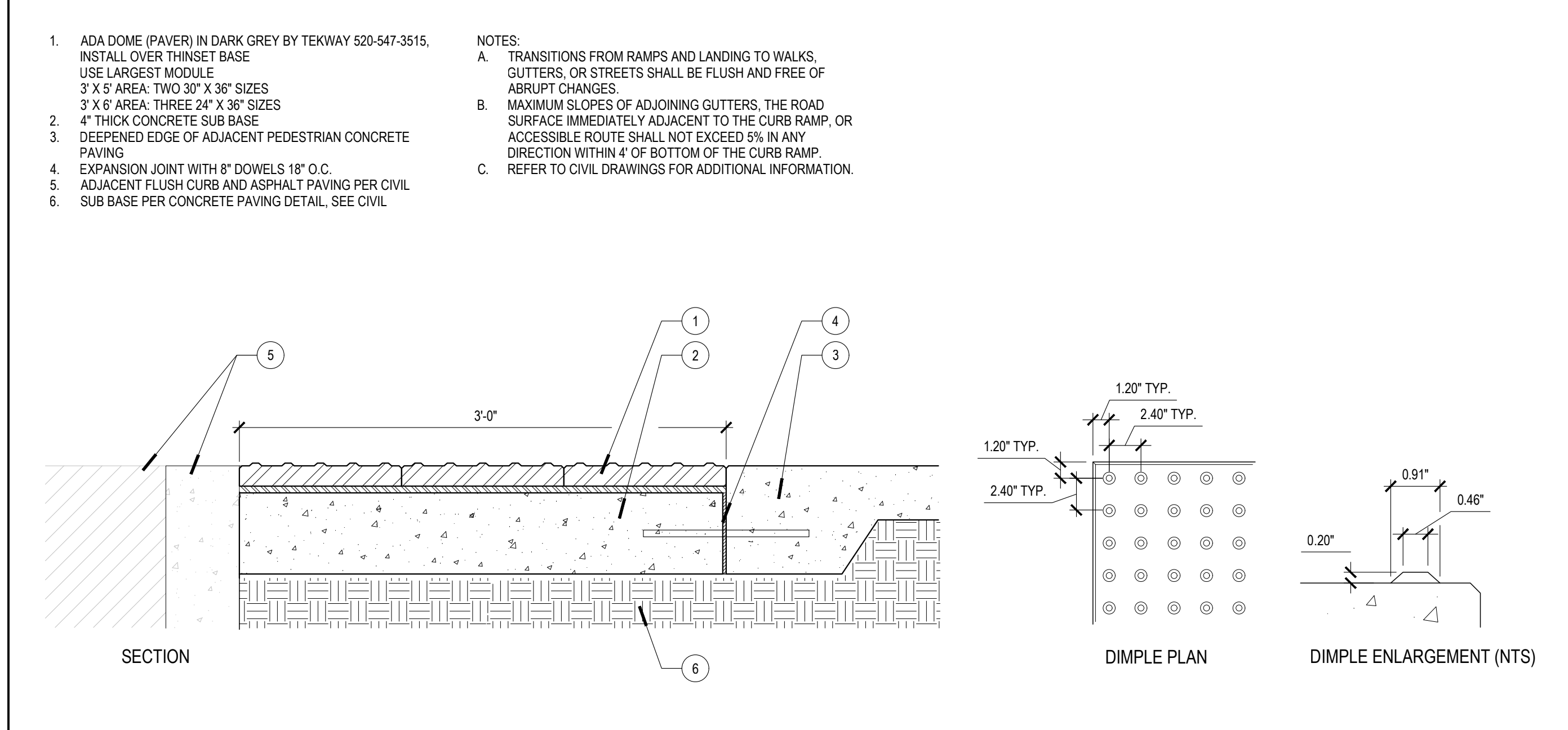
09 SYNTHETIC TURF 1 1/2"=1'-0"



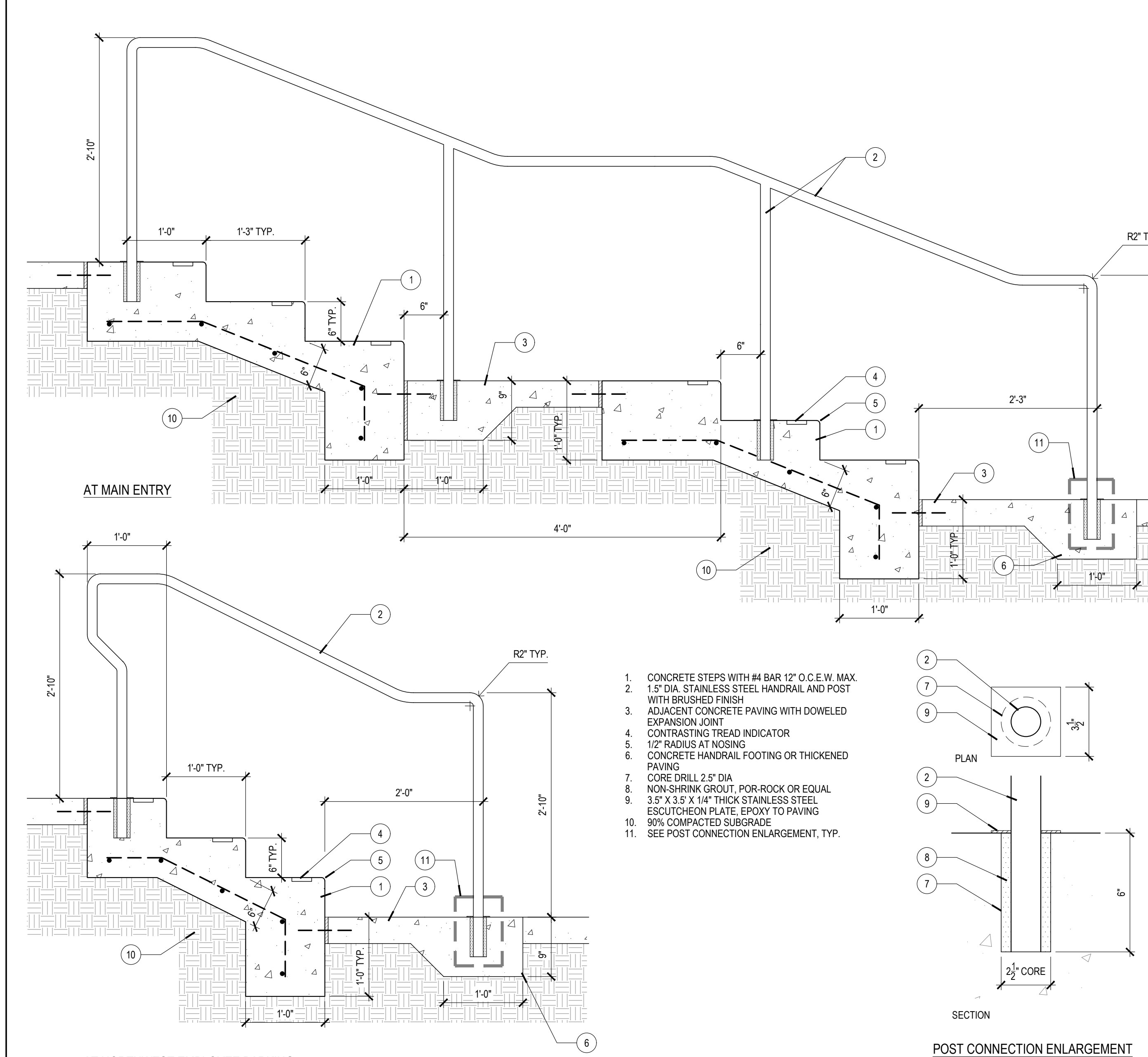
05 PRECAST CONCRETE PAVERS 1 1/2"=1'-0"



10 BIKE RACK 1 1/2"=1'-0"



06 TRUNCATED DOME PAVERS 1 1/2"=1'-0"



08 CONCRETE STEPS AND HANDRAIL 1"=1'-0"

CONSULTANTS LOGO

DEPARTMENT **F SPACE**  
SITE DESIGN STUDIO  
400 N. Indiana Hill Blvd, Suite 208  
Claremont, CA 91711

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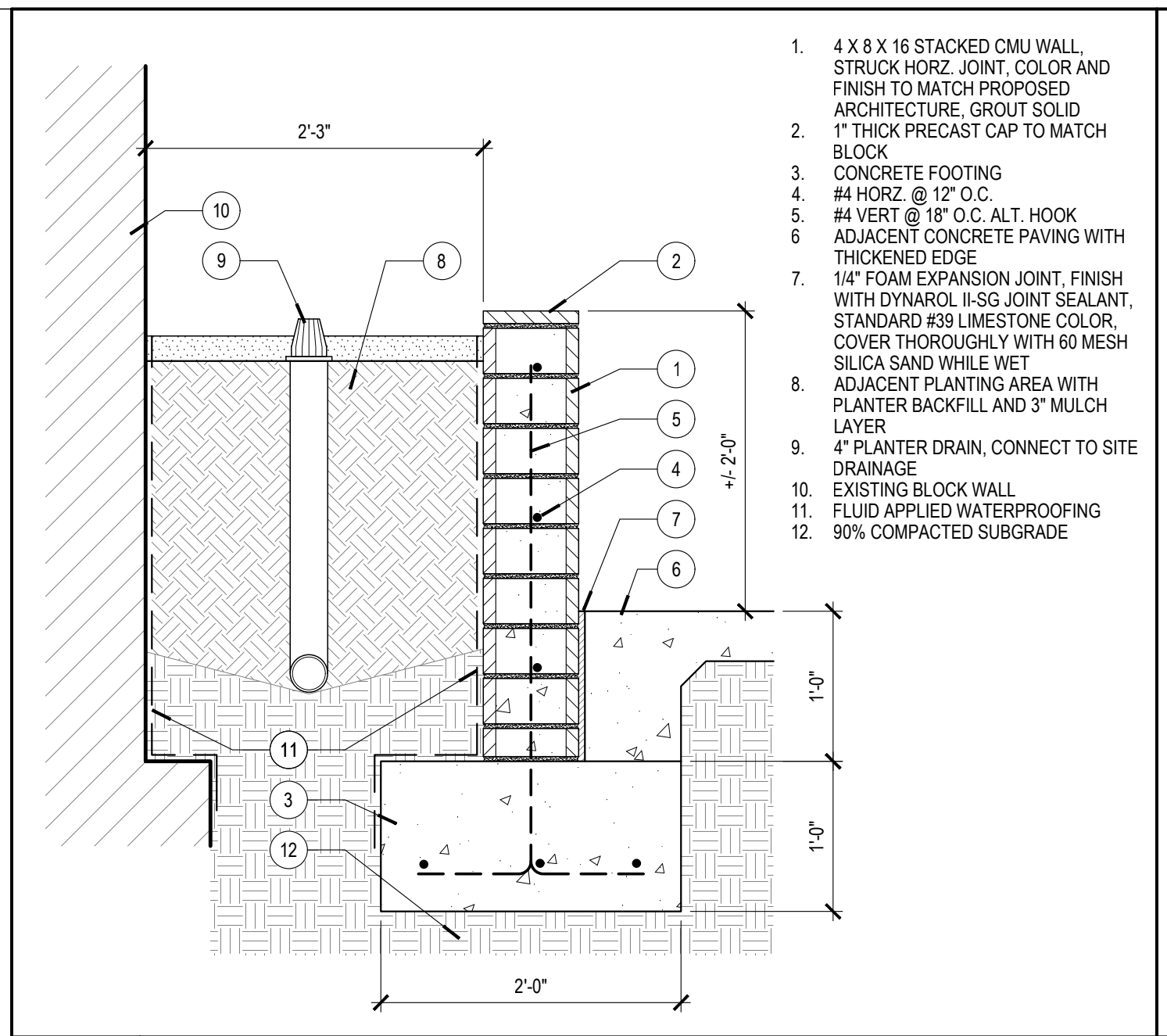
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**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10-11-23

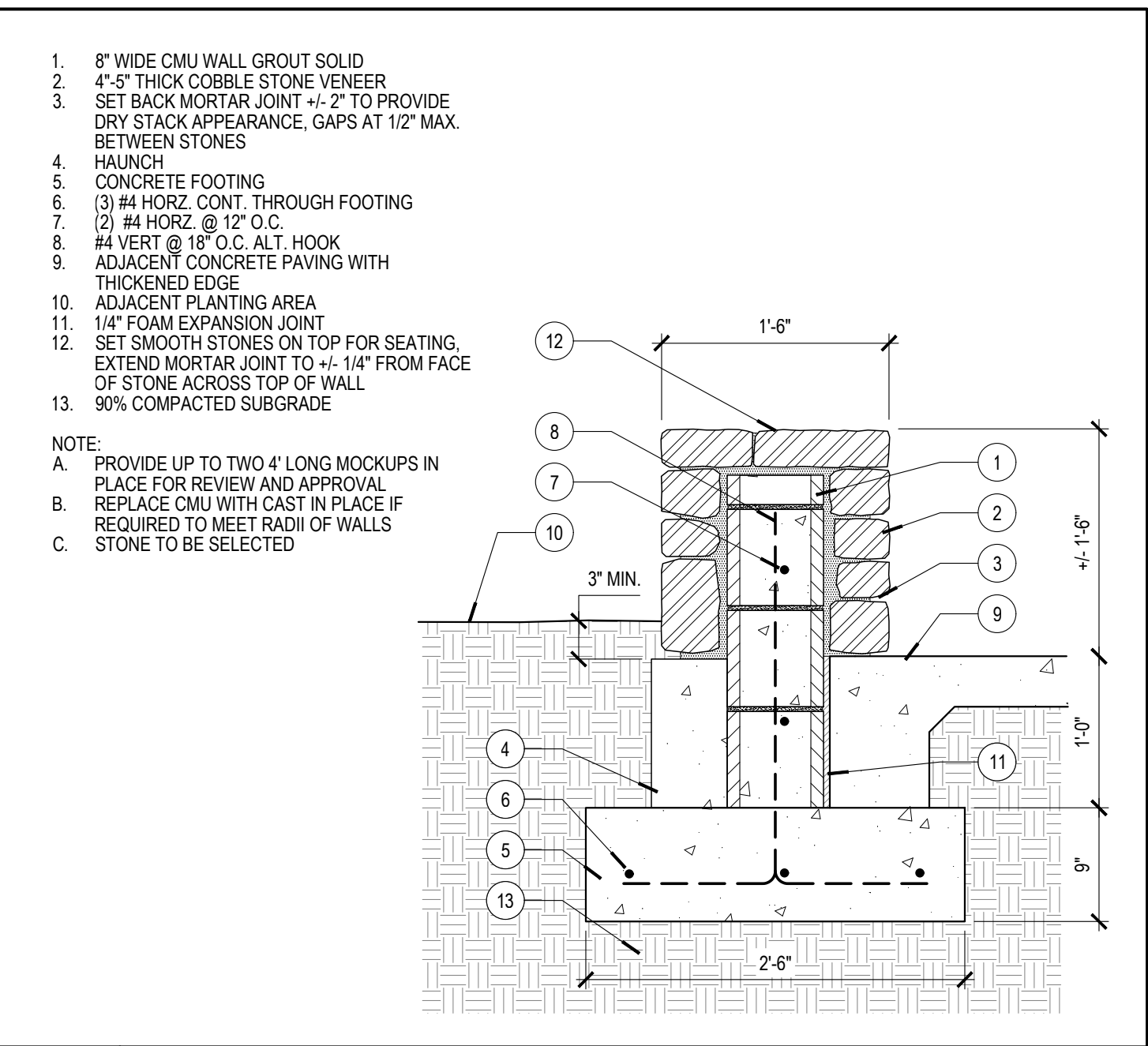
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**SITE CONSTRUCTION DETAILS**

SCALE: AS SHOWN

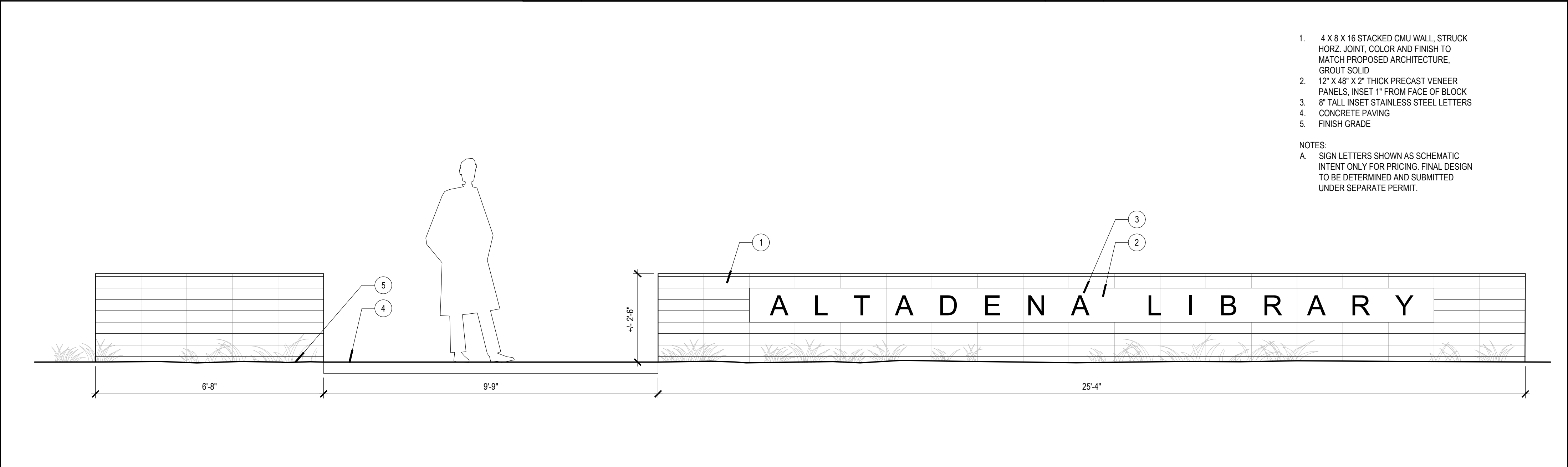
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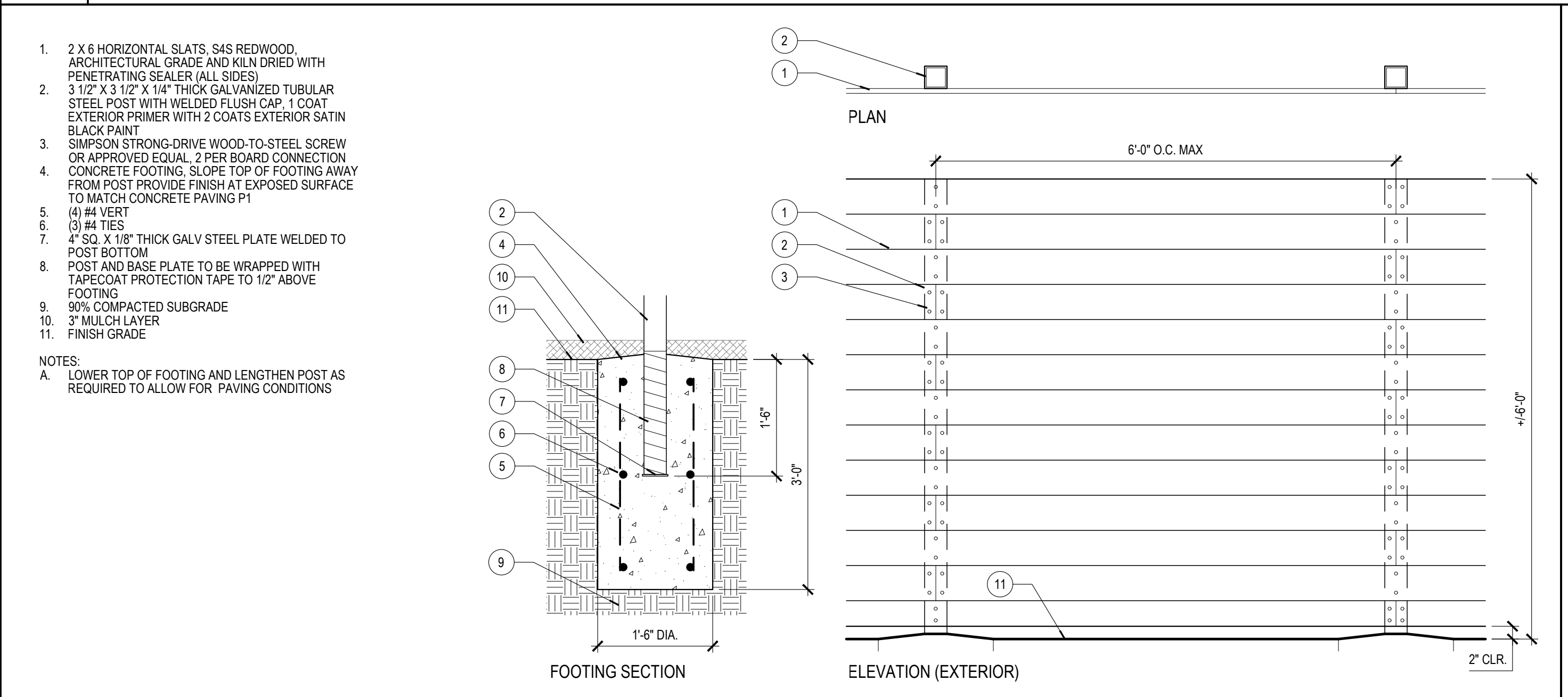
05 CONCRETE BLOCK PLANTER WALL 1"=1'-0"



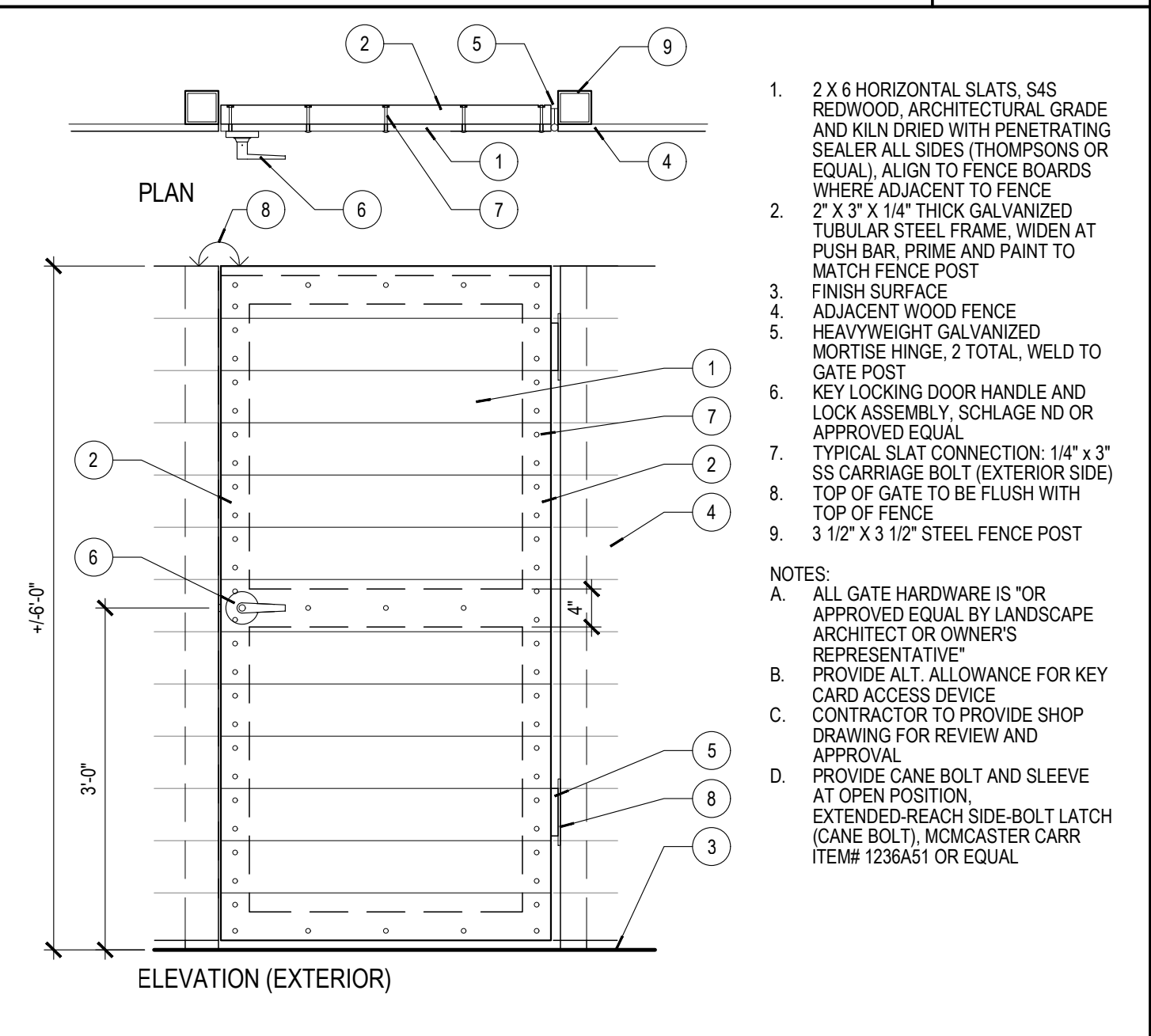
01 STONE VENEER SEAT WALL 1"=1'-0"



09 ENTRY SIGN WALL- ELEVATION 1/2"=1'-0"



10 WOOD FENCE 3/4"=1'-0"



03 WOOD GATE 3/4"=1'-0"

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PROJECT TITLE:

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600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10-11-23

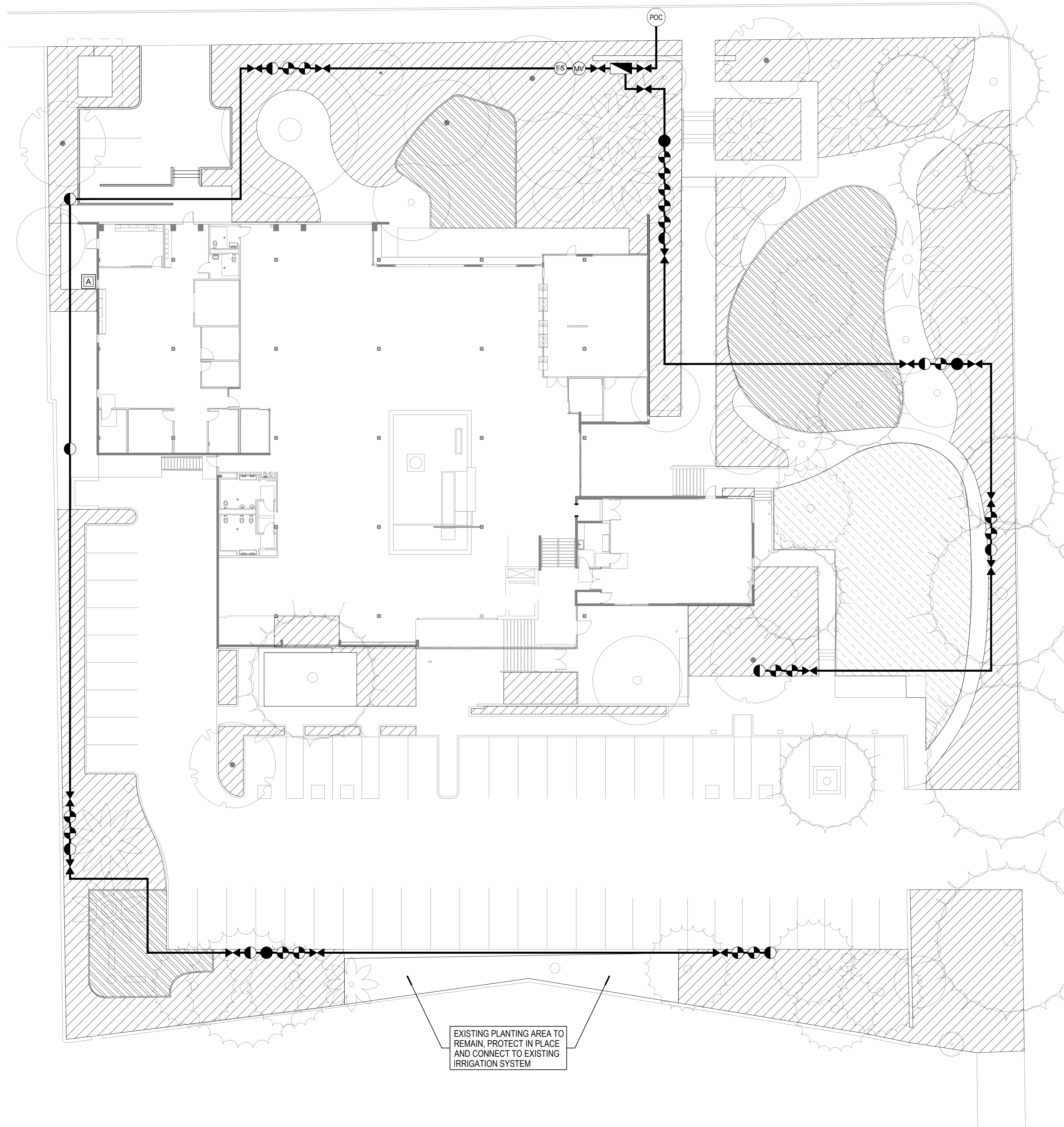
SHEET TITLE:

**SITE CONSTRUCTION DETAILS**

SCALE: AS SHOWN

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L111



IRRIGATION LEGEND			
SYMBOL	MANF.	MODEL	
	RAINBIRD	R-VAN HIGH EFFICIENCY ROTOR NOZZLE ON 1806 PRS 6" POP-UP HEIGHT SPRAY BODY	QTY BASE BID: 4,621 SF QTY ADD ALT: 4,073 SF
	NETAFIM	IRRIGATION DRIPLINE AT SHRUBS AND GROUNDCOVER AREAS. TECHLINE CV DRIPLINE TL CV 6-18, ROWS AT 12"-18"	QTY BASE BID: 20,899 SF QTY ADD ALT: 19,169 SF
	NETAFIM	NEW DRIPLINE AT EXISTING SHRUBS, ROWS AT 12"-18", 6" CLEAR MIN. FROM EDGE OF EXISTING PLANTING PROTECTED IN PLACE	2,500 SF
	BUCKNER SUPERIOR	3100 NORMALLY OPEN MASTER VALVE	
	HUNTER	FLOW-CLIK FLOW SENSOR	
	WATTS	719-QT BACKFLOW PREVENTER IN WWM ENCLOSURE	
	NIBCO	T-133 BRONZE GATE VALVE	
	RAINBIRD	100 - EFB-CP WITH PRF-100-RBY REMOTE CONTROL DRIP VALVE KIT	
	RAINBIRD	100 - EFB-CP WITH QKCHK-100 REMOTE CONTROL VALVE KIT	
	RAINBIRD	44-LRC - 1" QUICK COUPLER VALVE	
	HUNTER	IC-600-SS I-CORE IRRIGATION CONTROLLER	
		MAINLINE (1"-2" SIZE)	

REFER TO SHEET L001 FOR PROTECTION OF ALL EXISTING TREES TO REMAIN



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10-11-23	100% DD	

PROJECT TITLE:  
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ALTADENA, CA 91001

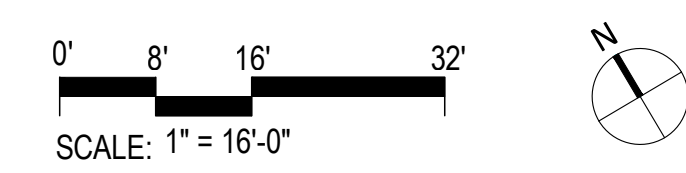
PROJECT NO. 2111010  
DATE: 10-11-23

SHEET TITLE:  
**IRRIGATION PLAN**

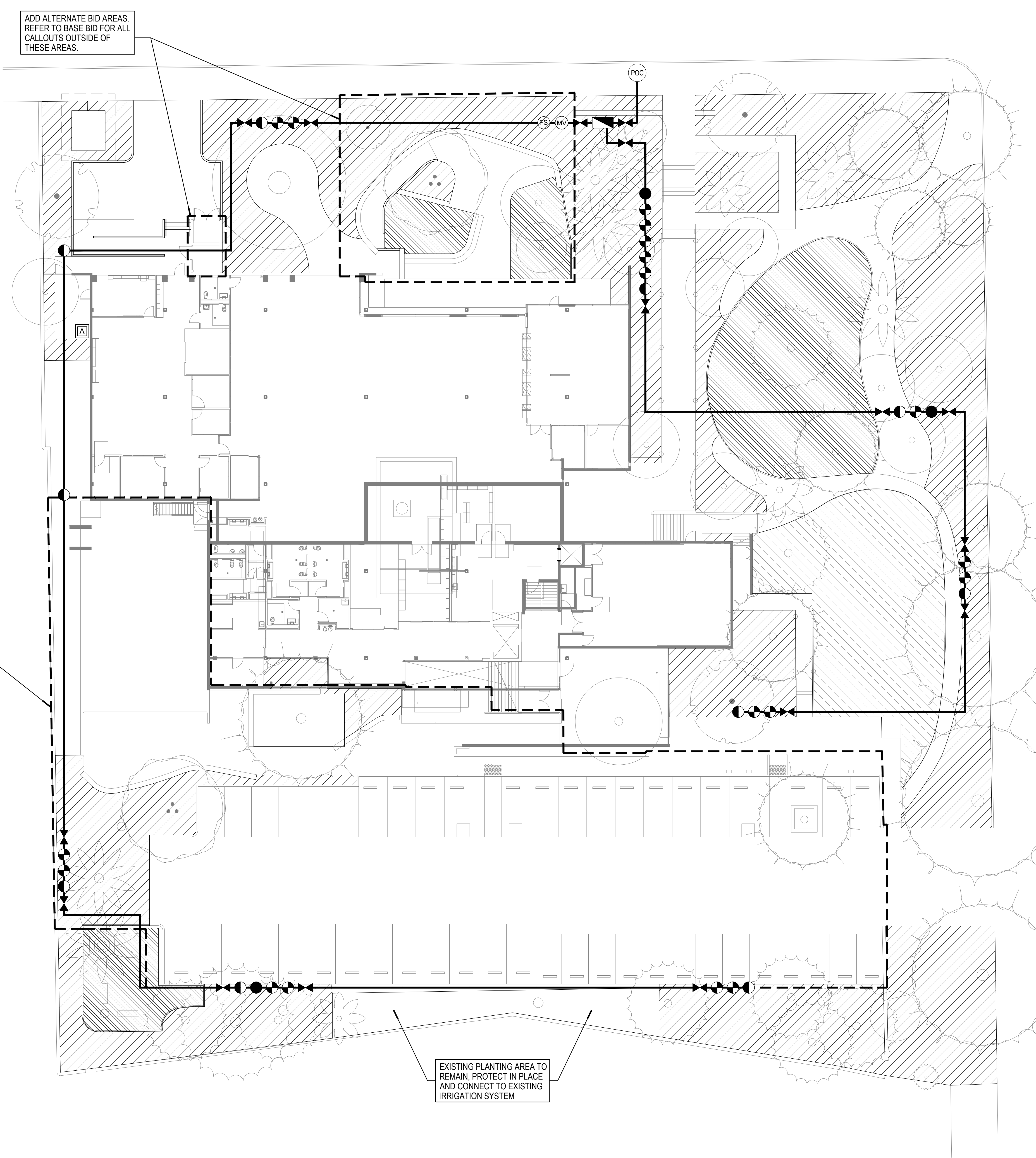
SCALE: AS SHOWN

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L200



7/19/2022 11:25:03 AM



IRRIGATION LEGEND			
SYMBOL	MANF.	MODEL	
[Hatched Box]	RAINBIRD	R-VAN HIGH EFFICIENCY ROTOR NOZZLE ON 1806 PRS 6" POP-UP HEIGHT SPRAY BODY	QTY BASE BID: 4,621 SF QTY ADD ALT: 4,073 SF
[Hatched Box]	NETAFIM	IRRIGATION DRIPLINE AT SHRUBS AND GROUNDCOVER AREAS. TECHLINE CV DRIPLINE TL CV 6-18, ROWS AT 12"-18"	QTY BASE BID: 20,899 SF QTY ADD ALT: 19,169 SF
[Hatched Box]	NETAFIM	NEW DRIPLINE AT EXISTING SHRUBS. ROWS AT 12"-18", 6" CLEAR MIN. FROM EDGE OF EXISTING PLANTING PROTECTED IN PLACE	2,500 SF
(MV)	BUCKNER SUPERIOR	3100 NORMALLY OPEN MASTER VALVE	
(FS)	HUNTER	FLOW-CLIK FLOW SENSOR	
[Triangle]	WATTS	719-QT BACKFLOW PREVENTER IN WWM ENCLOSURE	
[Valve]	NIBCO	T-133 BRONZE GATE VALVE	
[Rainbird]	RAINBIRD	100 - EFB-CP WITH PRF-100-RBY REMOTE CONTROL DRIP VALVE KIT	
[Rainbird]	RAINBIRD	100 - EFB-CP WITH QKCHK-100 REMOTE CONTROL VALVE KIT	
[Rainbird]	RAINBIRD	44-LRC - 1" QUICK COUPLER VALVE	
[A]	HUNTER	IC-600-SS I-CORE IRRIGATION CONTROLLER	
[Thick Line]		MAINLINE (1"-2" SIZE)	

REFER TO SHEET L001 FOR PROTECTION OF ALL EXISTING TREES TO REMAIN



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PROJECT TITLE:

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600 E MARIPOSA STREET  
ALTADENA, CA 91001

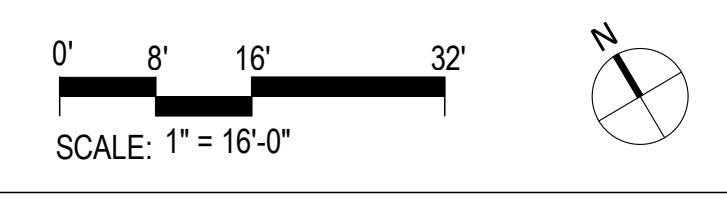
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DATE: 10-11-23

SHEET TITLE:

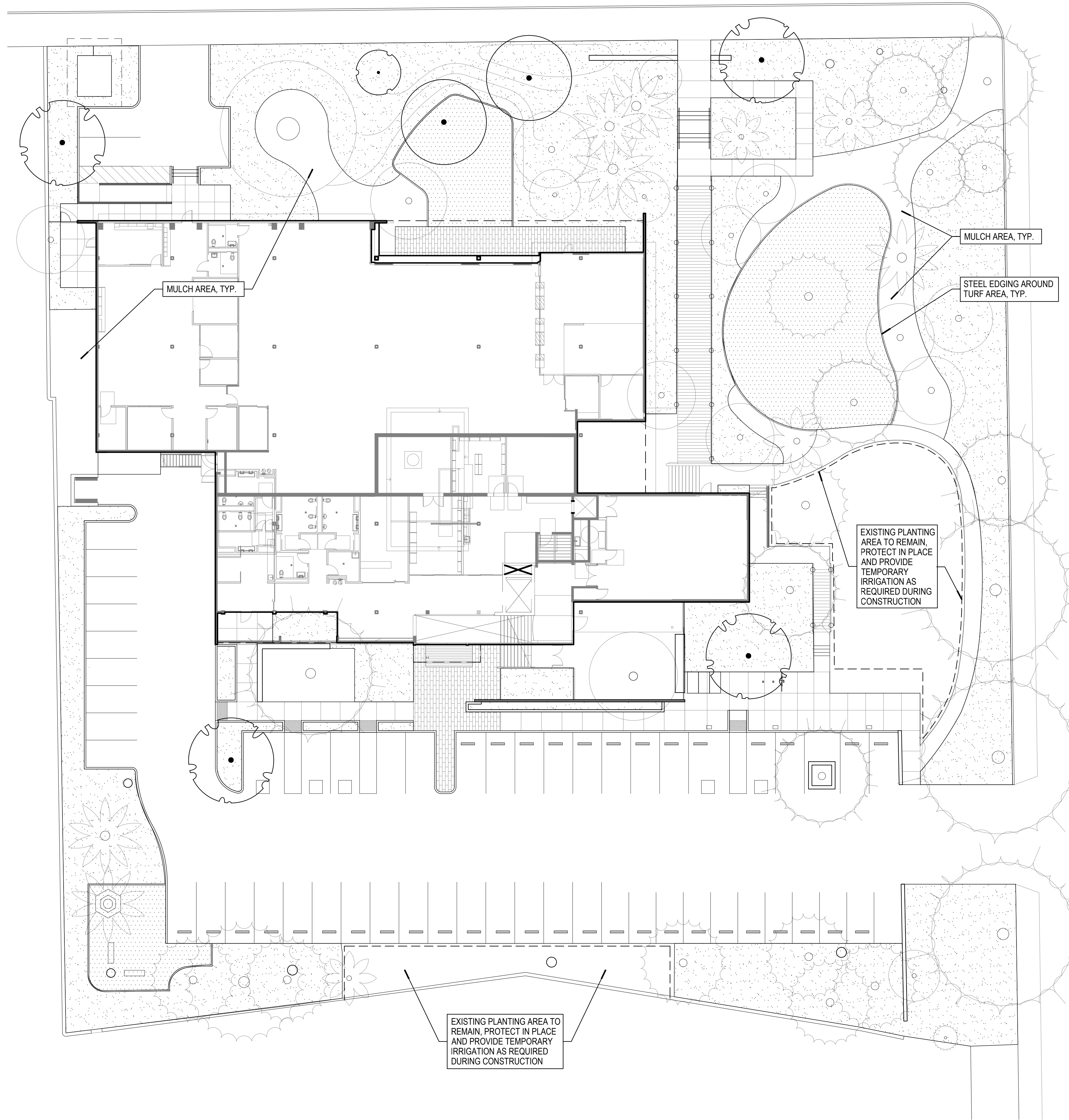
**IRRIGATION PLAN- ADD ALT**

SCALE: AS SHOWN

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TREE LEGEND				
SYMBOL	BOTANIC NAME COMMON NAME	SIZE	QTY BASE BID	QTY ADD ALT
	ARBUS 'MARINA' MARINA MADRONE	48" BOX STD. FORM	1	1
	QUERCUS AGRIFOLIA COAST LIVE OAK	72" BOX SLENDER MULTI	0	2
	QUERCUS ILEX HOLLY OAK	60" BOX STD. FORM T CLR TRUNK	3	4
	PLATANUS RACEMOSA CALIFORNIA SYCAMORE	24" BOX STD. FORM	2	0
				EXISTING TREE TO REMAIN, PROTECT IN PLACE, REFER TO SHEET L002

SHRUB LEGEND	
SHRUB AND GROUND COVER PLANTING	QTY BASE BID:
50% 1 GALLON @ 24" SPACING	20,899 SF
40% 5 GALLON @ 4' SPACING	QTY ADD ALT:
10% 15 GALLON @ 8' SPACING	19,169 SF

PLANT PALETTE- NATIVE AND ADAPTED SPECIES	
ARCTOSTAPHYLOS HOWARD MCMINN	
HOWARD MCMINN MANZANITA	
BACCHARIS PILULARIS 'PIGEON POINT'	
DWARF COYOTE BRUSH	
BERBERIS AQUIFOLIUM VAR. REPENS	
CREeping BARBERRY	
CAREX TUMULICOLA	
BERKELEY SEDGE	
EPILOBIUM CANUM	
CALIFORNIA FUCHSIA	
FESTUCA CALIFORNICA	
CALIFORNIA FESCUE	
FRANGULA CALIFORNICA 'EVE CASE'	
EVE CASE COFFEEBERRY	
HETEROMELES ARBUTIFOLIA	
TOYON	
RIBES VIBURNIFOLIUM	
CATALINA CURRANT	
SALVIA ALPINA	
WHITE SAGE	
SALVIA LEUCOPHYLLA	
PURPLE SAGE	
SALVIA SPATHACEA	
HUMMINGBIRD SAGE	
SPHAERALCEA AMBIGUA	
DESERT MALLOW	
TRICHOSTEMA LANATUM	
WOOLLY BLUE CURLS	
WESTRINGIA FRUTICOSA 'MORNING LIGHT'	
MORNING LIGHT COAST ROSEMARY	
PLANT PALETTE- HISTORIC CHARACTER	
AUCUBA JAPONICA	
JAPANESE LAUREL	
CAMELLIA JAPONICA	
JAPANESE CAMELLIA	
CYCAS REVOLUTA	
SAGO PALM	
JUNIPERUS x PFITZERIANA 'SEA GREEN'	
SEA GREEN JUNIPER	
LIGUSTRUM JAPONICUM	
JAPANESE PRIVET	
OPHIPOGON JAPONICUS	
MONDO GRASS	
PITTOSPORUM TOBIRA	
JAPANESE PITTOSPORUM	
YUCCA GLORIOSA	
SPANISH DAGGER YUCCA	

TURF LEGEND	
TURF (SPECIES TBD)	QTY BASE BID:
SODDED	4,621 SF
	QTY ADD ALT:
	4,073 SF

LANDSCAPE MATERIAL LEGEND	
SYMBOL	ITEM
	STEEL EDGING: 3/16" x 4" STEEL EDGING W/ 16" STEEL ANCHORING STAKES 8' O.C. MAX. BLACK POWDERCOAT COLOR. AVAILABLE THROUGH JD RUSSEL COMPANY 800-888-7425. INSTALL PER MANUFACTURER'S RECOMMENDATION.



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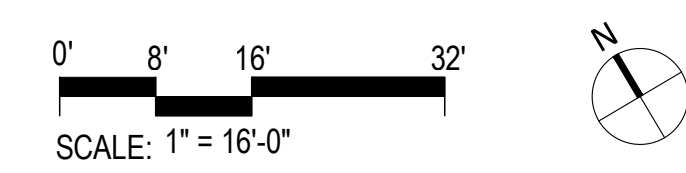
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	10-11-23	100% DD

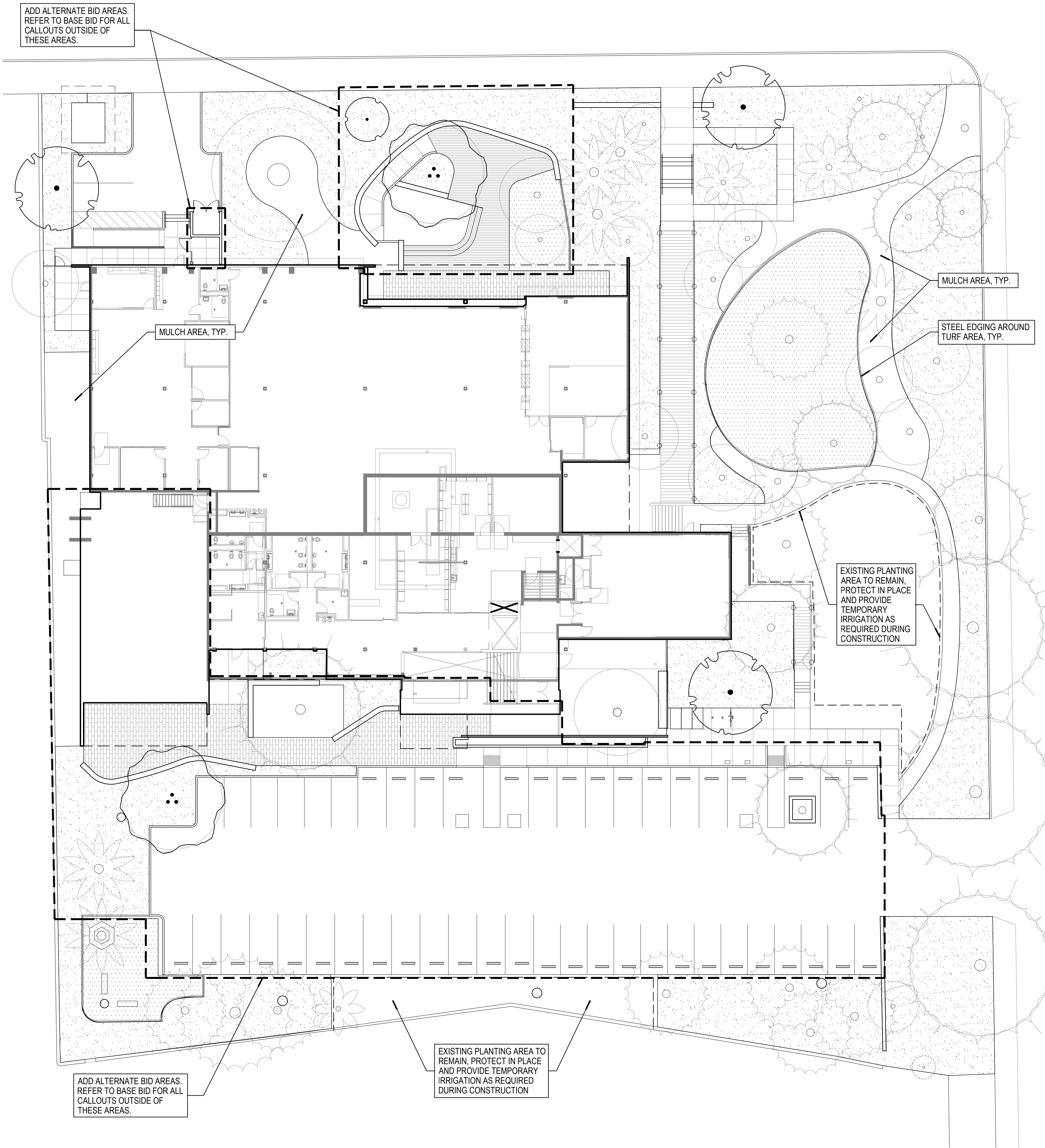
PROJECT TITLE:  
**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10-11-23

SHEET TITLE:  
**PLANTING PLAN**

SCALE: AS SHOWN





TREE LEGEND				
SYMBOL	BOTANIC NAME COMMON NAME	SIZE	QTY BASE BID	QTY ADD ALT
	ARBUTUS 'MARINA' MARINA MADRONE	48" BOX STD. FORM	1	1
	QUERCUS AGRIFOLIA COAST LIVE OAK	72" BOX SLENDER MULTI	0	2
	QUERCUS ILEX HOLLY OAK	60" BOX STD. FORM 7 CLR TRUNK	3	4
	PLATANUS RACEMOSA CALIFORNIA SYCAMORE	24" BOX STD. FORM	2	0
	EXISTING TREE TO REMAIN. PROTECT IN PLACE, REFER TO SHEET L002			

SHRUB LEGEND		
	SHRUB AND GROUND COVER PLANTING	QTY BASE BID:
	50% 1 GALLON @ 24" SPACING	20,899 SF
	40% 5 GALLON @ 4' SPACING	QTY ADD ALT:
	10% 15 GALLON @ 8' SPACING	19,169 SF

PLANT PALETTE- NATIVE AND ADAPTED SPECIES	
ARCTOSTAPHYLOS 'HOWARD MCMINN'	HOWARD MCMINN MANZANITA
BACCHARIS PILULARIS 'PIGEON POINT'	DWARF COYOTE BRUSH
BERBERIS AQUIFOLIUM VAR. REPENS	CREeping BARBERRY
CAREX TUMULICOLA	BERKELEY SEDGE
EPILOBIUM CANUM	CALIFORNIA FUCHSIA
FESTUCA CALIFORNICA	CALIFORNIA FESCUE
FRANGULA CALIFORNICA 'EVE CASE'	EVE CASE COFFEEBERRY
HETEROMELES ARBUTIFOLIA	TOYON
RIBES VIBURNIFOLIUM	CATALINA CURRANT
SALVIA ALPINA	WHITE SAGE
SALVIA LEUCOPHYLLA	PURPLE SAGE
SALVIA SPATHACEA	HUMMINGBIRD SAGE
SPHAERALCEA AMBIGUA	DESERT MALLOW
TRICHOSTEMA LANATUM	WOOLLY BLUE CURLS
WESTRINGIA FRUTICOSA 'MORNING LIGHT'	MORNING LIGHT COAST ROSEMARY
PLANT PALETTE- HISTORIC CHARACTER	
AUCUBA JAPONICA	JAPANESE LAUREL
CAMELLIA JAPONICA	JAPANESE CAMELLIA
CYCAS REVOLUTA	SAGO PALM
JUNIPERUS x PFITZERIANA 'SEA GREEN'	SEA GREEN JUNIPER
LIGUSTRUM JAPONICUM	JAPANESE PRIVET
OPHIPOGON JAPONICUS	MONDO GRASS
PITTIOSPORUM TOBIRA	JAPANESE PITTIOSPORUM
YUCCA GLORIOSA	SPANISH DAGGER YUCCA

TURF LEGEND		
	TURF (SPECIES TBD) SODDED	QTY BASE BID: 4,621 SF
		QTY ADD ALT: 4,073 SF

LANDSCAPE MATERIAL LEGEND	
SYMBOL	ITEM
	STEEL EDGING: 3/16" x 4" STEEL EDGING W/ 16" STEEL ANCHORING STAKES 8' O.C. MAX. BLACK POWDERCOAT COLOR. AVAILABLE THROUGH JD RUSSEL COMPANY 800-888-7425. INSTALL PER MANUFACTURER'S RECOMMENDATION.



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PROJECT TITLE:  
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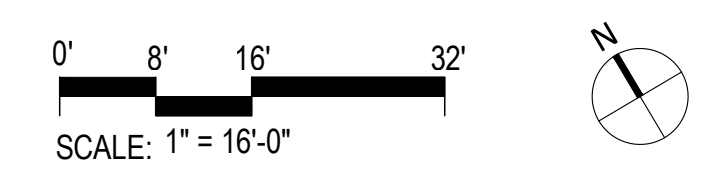
PROJECT NO. 2111010  
DATE: 10-11-23

SHEET TITLE:  
**PLANTING PLAN- ADD ALT**

SCALE: AS SHOWN

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L300A





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SHEET NOTES

- A. SEE CIVIL DRAWINGS FOR SITE WORK AND SITE DEMOLITION WORK, INCLUDING TREE REMOVAL
- B. SEE LANDSCAPE DRAWINGS FOR HARDSCAPING AND LANDSCAPING INFORMATION
- C. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL RELATED SITE UTILITY WORK AND SITE LIGHTING
- D. ACCESSIBLE PATH OF TRAVEL AS INDICATED ON THE PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES NOT EXCEEDING 1/4" MAX. AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, OR RAMP LESS THAN 1:12 UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM, AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
- E. ALL PAVEMENT ALONG PATH OF TRAVEL IS CONCRETE.
- F. REFER TO SHEET A800 FOR GATE INFORMATION

KEYNOTES

PARKING SPACES

AREA	EXISTING BUILDING		PROPOSED BUILDING ADDITION		
	ENTRY LOBBY	COMMUNITY RM RENOVATION	OTHER	TOTAL	
MAIN LEVEL	17,337	-	-	-	17,337
LOWER LEVEL	4,883	632	-	-	5,515
TOTAL	22,220	632	-	-	22,852

PARKING	EXISTING BUILDING		PROPOSED BUILDING ADDITION		
	PARKING RATIO	EVCS	EVCS	EVCS	TOTAL
TOTAL	1,444.4	1,250	1 per 3 occupants	-	1,444.4
TOTAL	50	2.5	-	-	52.5

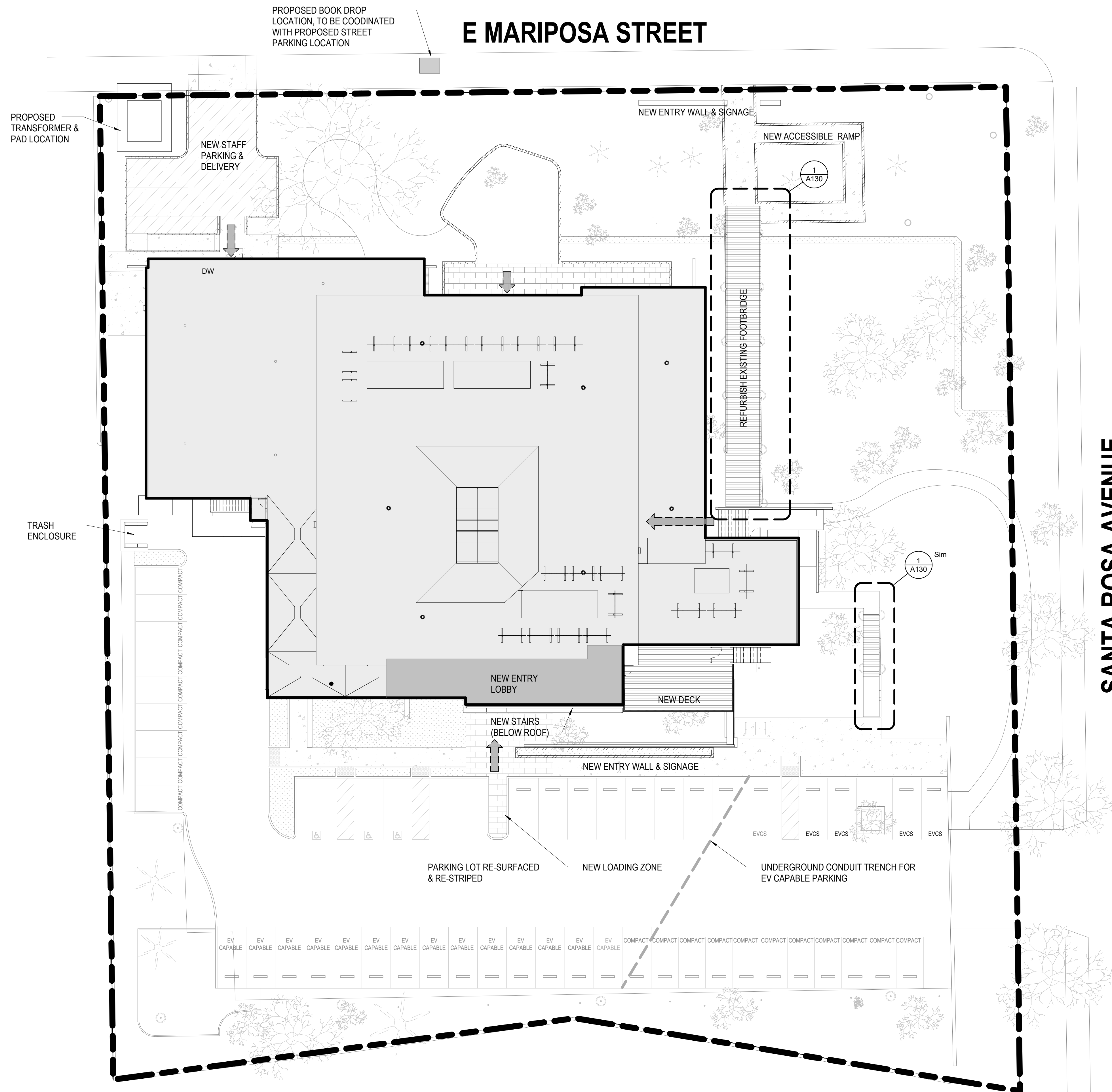
TOTAL NO. OF PARKING SPACES REQUIRED: 53  
 TOTAL NO. OF PARKING SPACES PROVIDED: 55  
 CBC TABLE 11B-208.2 MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES (51-75): 3 PROVIDED 3 \*\*  
 CODE OF ORDINANCES LA COUNTY TABLE 5.106.3 NUMBER OF REQUIRED EV CAPABLE SPACES (51-75): 19 PROVIDED 19  
 CODE OF ORDINANCES LA COUNTY TABLE 5.106.3 NUMBER OF REQUIRED EV CAPABLE SPACES PROVIDED WITH EVCS (51-75): 5 PROVIDED 5  
 CBC TABLE 11B-228.3.2.1 MINIMUM NUMBER OF EVCS REQUIRED SPACES (5 TO 25) VAN ACCESSIBLE - 1 STANDARD ACCESSIBLE - 1 AMBULATORY - 0 PROVIDED VAN ACCESSIBLE - 1 STANDARD ACCESSIBLE - 1  
 \*\* CBC 11B-208.2.4 VAN PARKING SPACES - 1 PROVIDED ONE SPACE OUT OF SIX ACCESSIBLE SPACES PROVIDED SHALL BE A VAN PARKING SPACE COMPLYING WITH SECTION 11B-502

BICYCLE PARKING

CODE OF ORDINANCES LA COUNTY BICYCLE PARKING, 22.112.100  
 SHORT TERM BICYCLE PARKING SHALL BE PROVIDED AT A RATE OF 1 SPACE FOR EVERY 50 INTENDED VISITORS BASED ON OCCUPANT LOAD OF THE LARGEST ASSEMBLY AREA WITHIN THE FACILITY, AND 1 LONG TERM SPACE FOR EVERY 100 INTENDED VISITORS BASED ON OCCUPANT LOAD OF THE LARGEST ASSEMBLY AREA WITHIN THE FACILITY.  
 COMMUNITY ROOM WITH LARGEST ASSEMBLY AREA HAS 231 OCCUPANTS:  
 • 5 SHORT TERM SPACES PROVIDED  
 • 3 LONG TERM SPACES PROVIDED

LEGEND

- PROPERTY LINE
- BUILDING FOOTPRINT - RENOVATION SCOPE
- BUILDING FOOTPRINT - ADDITION SCOPE
- PATH, CHANGE IN LANDSCAPE OR HARDSCAPE
- STEPS/CHANGE IN LEVEL
- PARTIAL HEIGHT WALL
- PEDESTRIAN CONCRETE PAVING, SLD
- PRECAST CONCRETE PAVERS, SLD
- DECKING
- WHEEL STOP
- (E) ELECTRICAL EASEMENT
- BUILDING ENTRY



1 PROPOSED SITE PLAN  
1/16" = 1'-0"



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NO.	DATE	REVISIONS

PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

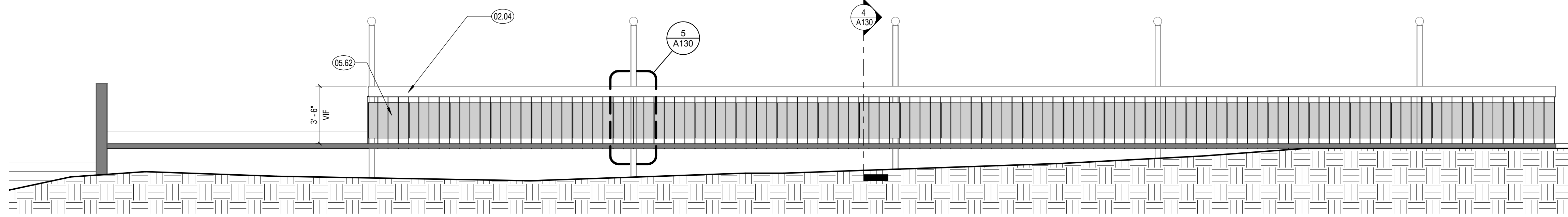
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SITE PLAN

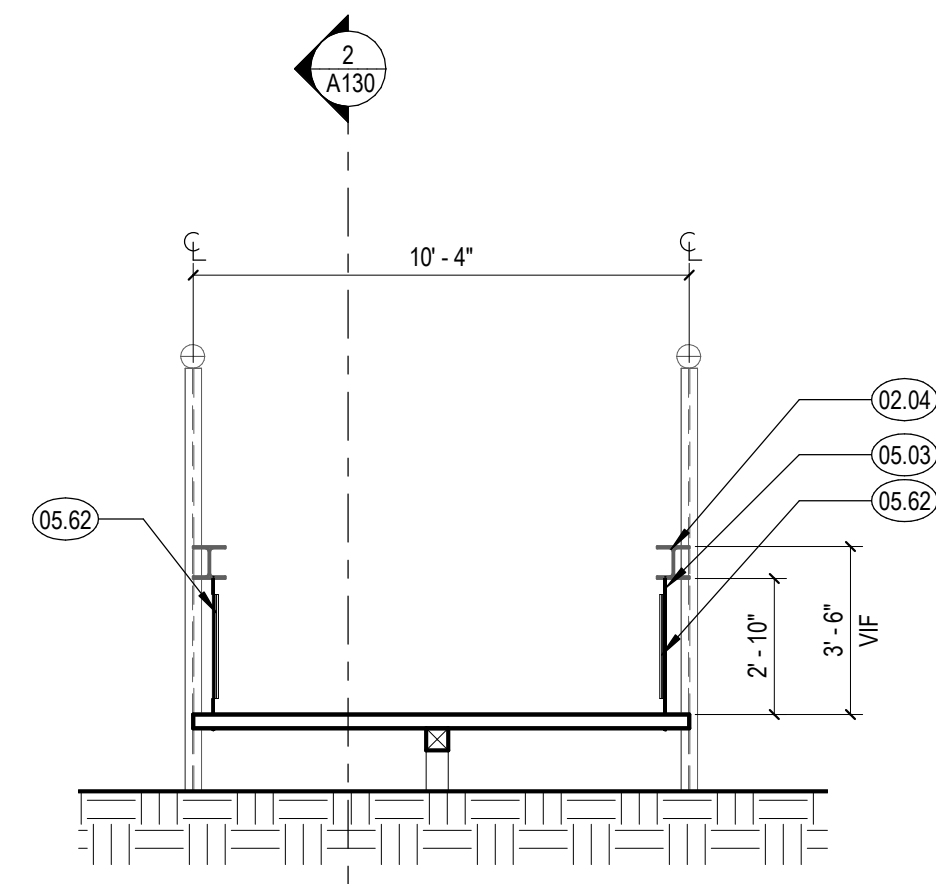
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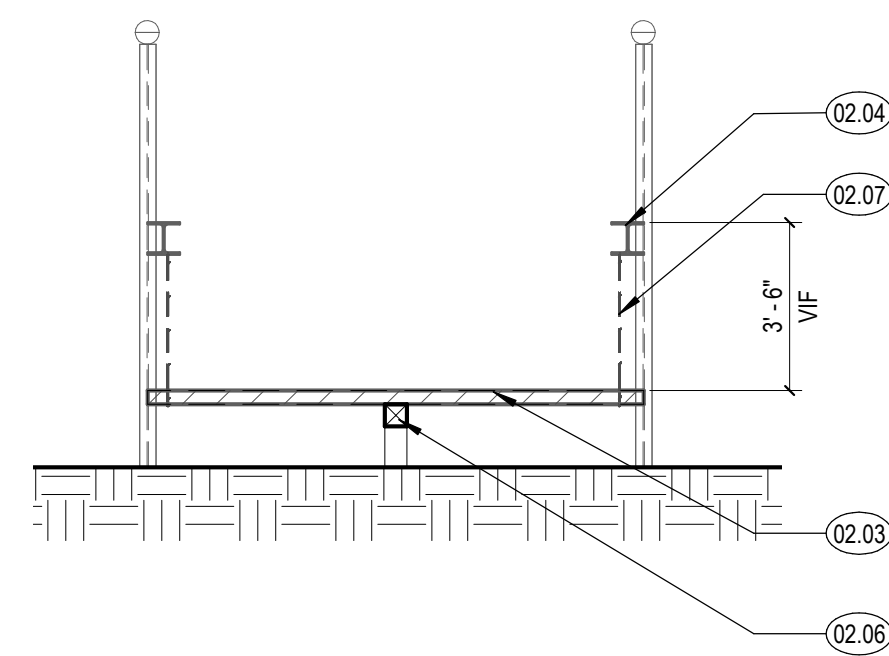
A100



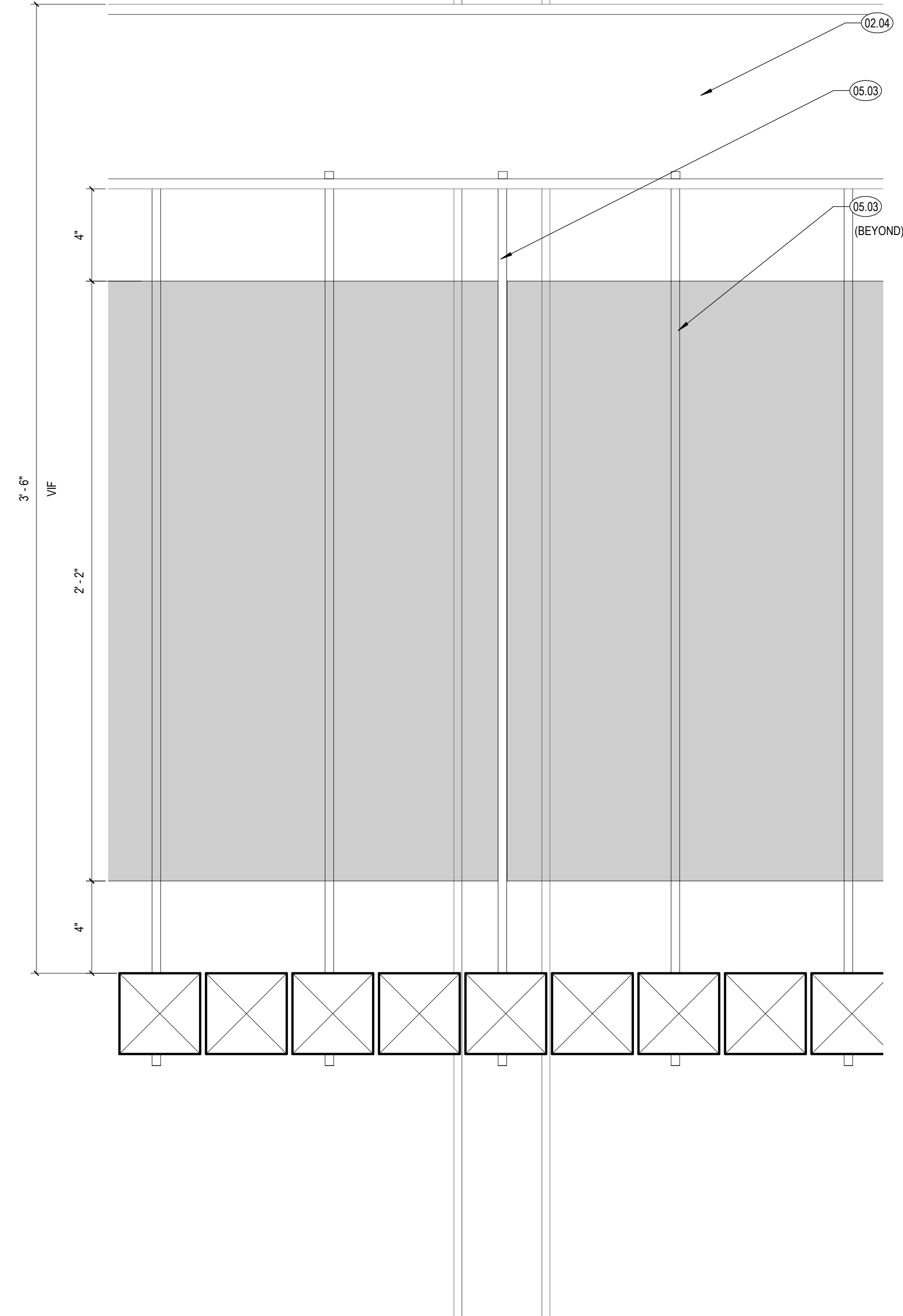
2 FOOTBRIDGE NORTH-SOUTH SECTION  
1/4" = 1'-0"



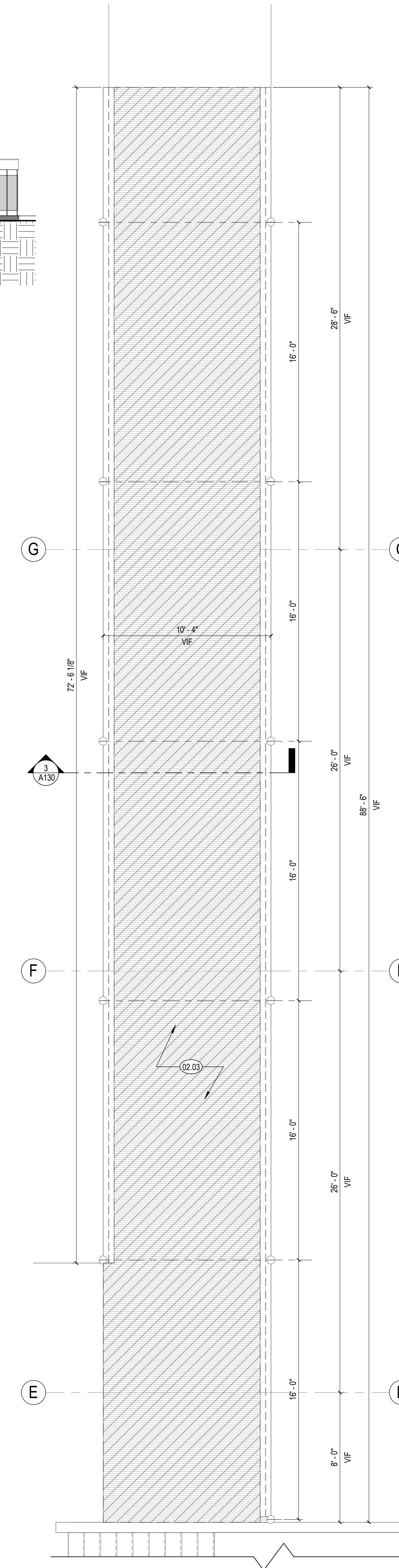
4 FOOTBRIDGE EAST - WEST SECTION  
1/4" = 1'-0"



3 FOOTBRIDGE EAST - WEST DEMO SECTION  
1/4" = 1'-0"



5 FOOTBRIDGE NORTH-SOUTH SECTION - Callout 1  
3" = 1'-0"



1 ENLARGED FOOTBRIDGE DEMO PLAN  
1/4" = 1'-0"

KEYNOTES

- 02.03 (E) WOOD 4x4 DECKING TO BE REPLACED WITH COMPOSITE WOOD DECKING IN KIND
- 02.04 (E) 3 WF 17 TO REMAIN IN PLACE. PATCH AND REPAIR AS REQ'D
- 02.06 (E) BEAM TO BE REPLACED.
- 02.07 (E) THREADED RODS TO BE DEMO'D AND REPLACED BY S.S. THREADED RODS
- 05.03 3/8" S.S. THREADED ROD TO REPLACE EXISTING.
- 05.62 DECORATIVE METAL MESH GUARDRAIL @ 28" HT.



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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN  
LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**SITE DETAILS**

SCALE: As indicated

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**SHEET NOTES**

- EXISTING CONDITIONS SHOWN ARE FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD SURVEYS. THE CONTRACTOR SHALL MAKE A DETAILED SURVEY OF THE EXISTING FIELD CONDITIONS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCY FOUND BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
- THE DEMOLITION PLAN DOES NOT ACKNOWLEDGE HAZARDOUS MATERIALS AND DOES NOT PROVIDE THE DEMOLITION AND REMOVAL OF HAZARDOUS MATERIALS. ALL HAZARDOUS MATERIALS DISCOVERED DURING THE FIELD INSPECTION AND DEMOLITION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER. ALL DEMOLITION AND REMOVAL OF HAZARDOUS MATERIALS SHALL BE IN CONFORMANCE WITH ALL LOCAL AND STATE CODES. ALL PERMITS AND APPROVALS SHALL BE OBTAINED AND COPIES PROVIDED TO THE OWNER FOR RECORD.
- WHERE WALL FINISHES HAVE BEEN REMOVED AND EXISTING GYPSUM BOARD HAS BEEN DAMAGED, REPLACE AREA WITH NEW GYPSUM BOARD AS APPROPRIATE FOR NEW FINISHES AS SCHEDULED.
- REMOVE ALL (E) INTERIOR PARTITIONS AND DOORS, UNO.
- REMOVE ALL PLUMBING FIXTURES, ACCESSORIES, AND EQUIPMENT, UNO.
- SEE CIVIL DRAWINGS FOR ALL SITE DEMOLITION WORK.
- SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL DEMOLITION WORK.
- SEE MECHANICAL DRAWINGS FOR ALL MECHANICAL DEMOLITION WORK.
- SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL DEMOLITION WORK.
- REMOVE ALL (E) RAILINGS, UNO.
- SEE EXTERIOR ELEVATIONS, WALL SECTIONS, AND DETAILS FOR EXTENT OF EXTERIOR ENVELOPE DEMOLITION.
- ALL FLOORING AT RESTROOMS SHALL BE REMOVED ALONG WITH RESPECTIVE MORTAR BED DOWN TO EXISTING RECESSED SLAB.
- SEE X005 & X015 FOR SLAB DEPRESSIONS.
- REMOVE AND SALVAGE ALL EXISTING PROJECTOR SCREENS, PROJECTORS, MONITORS AND COORDINATE STORAGE WITH DISTRICT.
- REMOVE EXISTING SHELVING AND CONFIRM SALVAGE MATERIALS PRIOR TO DEMOLITION.
- REMOVE (E) MILLWORK AND CASEWORK.
- REMOVE (E) FURNITURE AND CONFIRM ANY SALVAGE ITEMS WITH DISTRICT PRIOR TO REMOVAL.
- REMOVE (E) SIGNAGE AND SEE SPECIFICATIONS FOR PATCH/PAK REQUIREMENTS.

**KEYNOTES**

- 01.32 DEMOLISH (E) ELEVATOR IN ITS ENTIRETY
- 01.33 DEMOLISH (E) CONCRETE STAIR

**LEGEND**

- (E) WALL TO BE DEMOLISHED
- DEMOLISHED WALL IS NON-STRUCTURAL / NON-BEARING.
- (E) FULL HT. WALL TO REMAIN
- (E) REGION TO BE DEMOLISHED. SEE KEYNOTE FOR DESCRIPTION OF ELEMENTS TO BE DEMOLISHED.
- EXISTING DOOR TO BE DEMOLISHED
- (E) ITEM TO BE DEMOLISHED
- (E) GLAZING TO BE DEMOLISHED AND REPLACED IN KIND (TYP). REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.

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PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**DEMO FLOOR PLAN  
- LOWER LEVEL**

SCALE: 1/8" = 1'-0"

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**2 DEMOLITION FLOOR PLAN - LOWER LEVEL**  
1/8" = 1'-0"



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- THE DEMOLITION PLAN DOES NOT ACKNOWLEDGE HAZARDOUS MATERIALS AND DOES NOT PPROVE THE DEMOLITION AND REMOVAL OF HAZARDOUS MATERIALS. ALL HAZARDOUS MATERIALS DISCOVERED DURING THE FIELD INSPECTION AND DEMOLITION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER. ALL DEMOLITION AND REMOVAL OF HAZARDOUS MATERIALS SHALL BE IN CONFORMANCE WITH ALL LOCAL AND STATE CODES. ALL PERMITS AND APPROVALS SHALL BE OBTAINED AND COPIES PROVIDED TO THE OWNER FOR RECORD.
- WHERE WALL FINISHES HAVE BEEN REMOVED AND EXISTING GYPSUM BOARD HAS BEEN DAMAGED, REPLACE AREA WITH NEW GYPSUM BOARD AS APPROPRIATE FOR NEW FINISHES AS SCHEDULED.
- REMOVE ALL (E) INTERIOR PARTITIONS AND DOORS, UNO.
- REMOVE ALL PLUMBING FIXTURES, ACCESSORIES, AND EQUIPMENT, UNO.
- SEE CIVIL DRAWINGS FOR ALL SITE DEMOLITION WORK.
- SEE STRUCTURAL DRAWINGS FOR ALL STRUCTURAL DEMOLITION WORK.
- SEE MECHANICAL DRAWINGS FOR ALL MECHANICAL DEMOLITION WORK.
- SEE ELECTRICAL DRAWINGS FOR ALL ELECTRICAL DEMOLITION WORK.
- REMOVE ALL (E) RAILINGS, UNO.
- SEE EXTERIOR ELEVATIONS, WALL SECTIONS, AND DETAILS FOR EXTENT OF EXTERIOR ENVELOPE DEMOLITION.
- ALL FLOORING AT RESTROOMS SHALL BE REMOVED ALONG WITH RESPECTIVE MORTAR BED DOWN TO EXISTING RECESSED SLAB.
- SEE A130 FOR SLAB DEPRESSIONS.
- REMOVE AND SALVAGE ALL EXISTING PROJECTOR SCREENS, PROJECTORS, MONITORS AND COORDINATE STORAGE WITH DISTRICT.
- REMOVE EXISTING SHELVING AND CONFIRM SALVAGE MATERIALS PRIOR TO DEMOLITION.
- REMOVE (E) MILLWORK AND CASEWORK.
- REMOVE (E) FURNITURE AND CONFIRM ANY SALVAGE ITEMS WITH DISTRICT PRIOR TO REMOVAL.
- REMOVE (E) SIGNAGE AND SEE SPECIFICATIONS FOR PATCHPACK REQUIREMENTS.

KEYNOTES

- 01.21 DEMOLISH (E) WALL FINISHES.
- 01.23 DEMOLISH PORTION OF (E) CONCRETE SLAB.
- 01.28 DEMOLISH (E) PLATFORM
- 01.29 DEMOLISH (E) WATER FOUNTAIN
- 01.30 DEMOLISH (E) MILLWORK; REMOVE WOOD TILES FOR REUSE. SEE SHEET A293 FOR ADDITIONAL INFORMATION.
- 01.31 (E) ELECTRICAL WALKER DUCTS TO REMAIN; DEMO (E) ELECTRICAL CONDUITS ALONG COLUMN AND REROUTE VIA IN-FLOOR DUCT SYSTEM TO ELECTRICAL PANEL. SEE TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 01.32 DEMOLISH (E) ELEVATOR IN ITS ENTIRETY
- 01.35 REMOVE (E) FLOOR TILE & ADHESIVE IN ITS ENTIRETY; PREP TO RECEIVE NEW FLOOR FINISHES; SEE FINISH PLANS FOR ADDITIONAL INFORMATION.
- 02.08 REFURBISH (E) BRIDGE. SEE A130 FOR DETAILS.

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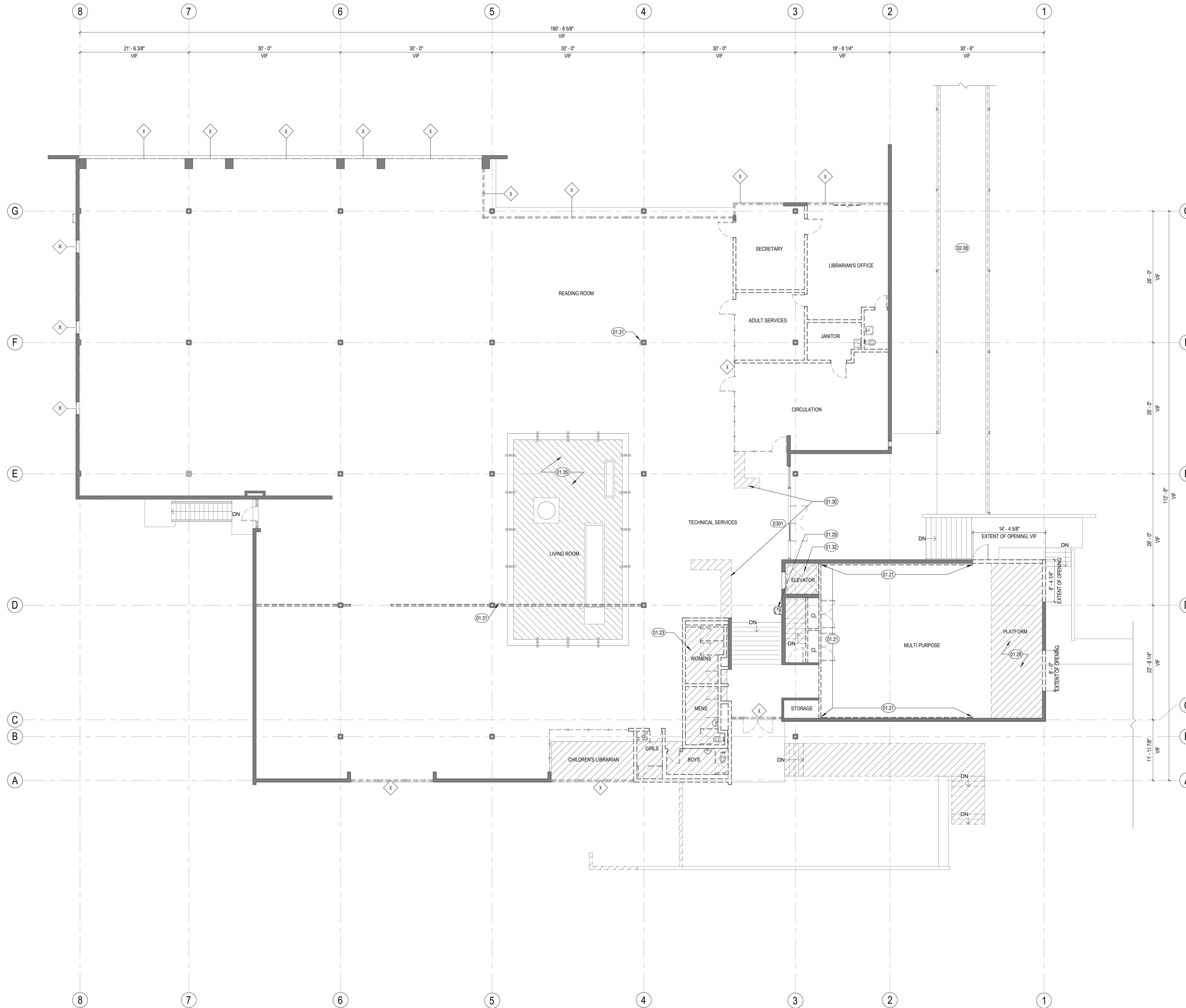
SHEET TITLE:

DEMO FLOOR PLAN  
- MAIN LEVEL

SCALE: 1/8" = 1'-0"

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1 DEMOLITION FLOOR PLAN - MAIN LEVEL  
1/8" = 1'-0"



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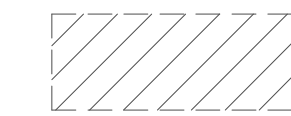
**SHEET NOTES**

1. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO WORK.
2. ALL EXISTING WINDOWS TO BE DEMOD AND REPLACED U.N.O. REFER TO WINDOW SPECIFICATIONS.
3. DEMO ALL (E) ZONOLITE AND REPLACE WITH RIGID INSULATION.
4. ALL EXISTING ZONOLITE TO BE REMOVED, PLYWOOD DECKING TO BE PATCHED PRIOR TO APPLICATION OF NEW ROOFING SYSTEM.

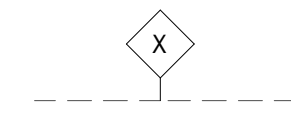
**KEYNOTES**

- 01.64 DEMOLISH (E) ZONOLITE TO BE REPLACED WITH RIGID INSULATION. (E) ROOF STRUCTURE TO BE PRESERVED IN PLACE.

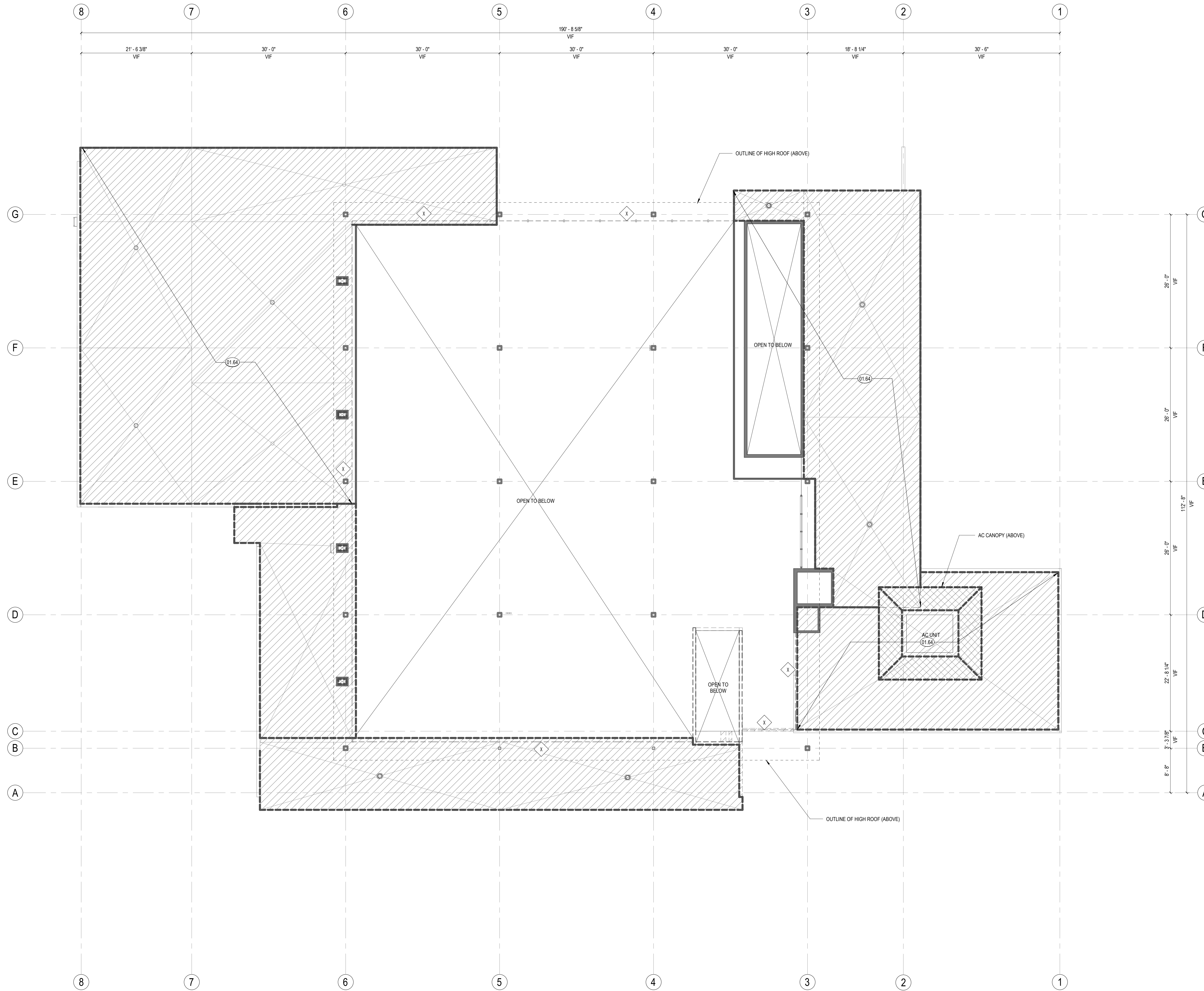
**LEGEND**



(E) ROOF TO BE DEMOLISHED. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



(E) GLAZING TO BE DEMOLISHED AND REPLACED IN KIND. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.



**1** DEMOLITION PLAN - LOW ROOF  
1/8" = 1'-0"



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PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**DEMO ROOF PLAN -  
LOW ROOF**

SCALE: 1/8" = 1'-0"

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3. DEMO ALL (E) ZONOLITE AND REPLACE WITH RIGID INSULATION.
4. ALL EXISTING ZONOLITE TO BE REMOVED. PLYWOOD DECKING TO BE PATCHED PRIOR TO APPLICATION OF NEW ROOFING SYSTEM.

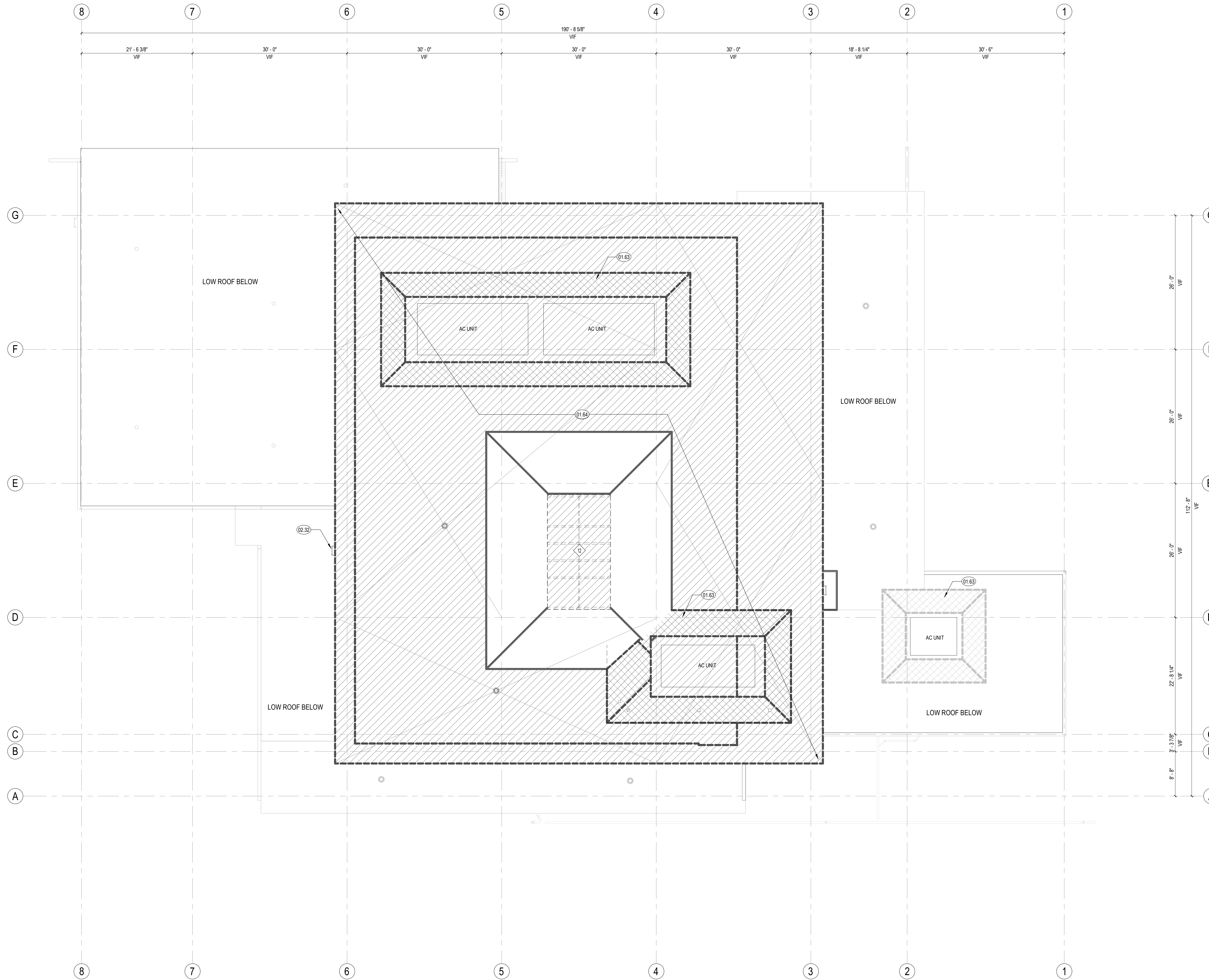
KEYNOTES

- 01.63 DEMOLISH (E) METAL CANOPY @ A.C. UNITS
- 01.64 DEMOLISH (E) ZONOLITE TO BE REPLACED WITH RIGID INSULATION. (E) ROOF STRUCTURE TO BE PRESERVED IN PLACE.
- 02.32 (E) ROOF LADDER TO REMAIN IN PLACE

LEGEND

(E) ROOF TO BE DEMOLISHED. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION

(E) GLAZING TO BE DEMOLISHED AND REPLACED IN KIND. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION



1 DEMOLITION PLAN - HIGH ROOF  
1/8" = 1'-0"



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DATE: 01-08-2024

SHEET TITLE:

DEMOLITION PLAN - HIGH ROOF

SCALE: 1/8" = 1'-0"

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SHEET NOTES

- A. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO WORK.
- B. BLOCKING OR BACKING SHALL BE PROVIDED IN PARTITIONS AS REQUIRED FOR WALL ATTACHED ITEMS. SEE DETAIL X18X8 FOR BACKING SCHEDULE FOR CABINETS, SHELVING, MARKER BOARDS, CHAIR RAILS, GRAB BARS, SHOWER SEATS, HANDRAILS, FIXTURES, EQUIPMENT, FURNISHINGS AND OTHER ITEMS AS REQUIRED.
- C. MATCH EXISTING STUD DIMENSION WHERE NEW PARTITION FRAMING ALIGNS WITH EXISTING PARTITION. STUD SIZE INDICATED IN WALL TYPE NEEDS TO BE VERIFIED AT THESE CONDITIONS.
- D. NEW WALLS ARE DIMENSIONED TO FACE OF STUD PER SHEET X100, U.N.O.
- E. ADJACENT IN-LINE PARTITIONS OF DIFFERENT TYPES SHALL BE CONSTRUCTED SUCH THAT EXPOSED FINISH SURFACES ARE FLUSH AND CONTINUOUS.
- F. REPETITIVE FEATURES ARE NOT DRAWN TO THEIR ENTIRETY AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
- G. PATCH AND REPAIR EXISTING WALLS WHERE DAMAGED DUE TO REMOVAL OF WOOD TRIM, HANDRAILS, AND OTHER ITEMS.
- H. ALIGN NEW WALLS TO EXISTING STRUCTURAL GRID COLUMNS, V.I.F.

KEYNOTES

LEGEND

- (E) CEILING TO BE DEMOLISHED
- UNDERSIDE OF ROOF OVERHANGS
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) WALL, TO BE DEMOLISHED
- (E) FULL HT. WALL, TO REMAIN
- (E) LOW HT. WALL, TO REMAIN
- (E) CONC. COLUMN
- (E) GLAZING TO BE DEMOLISHED AND REPLACED IN KIND. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION

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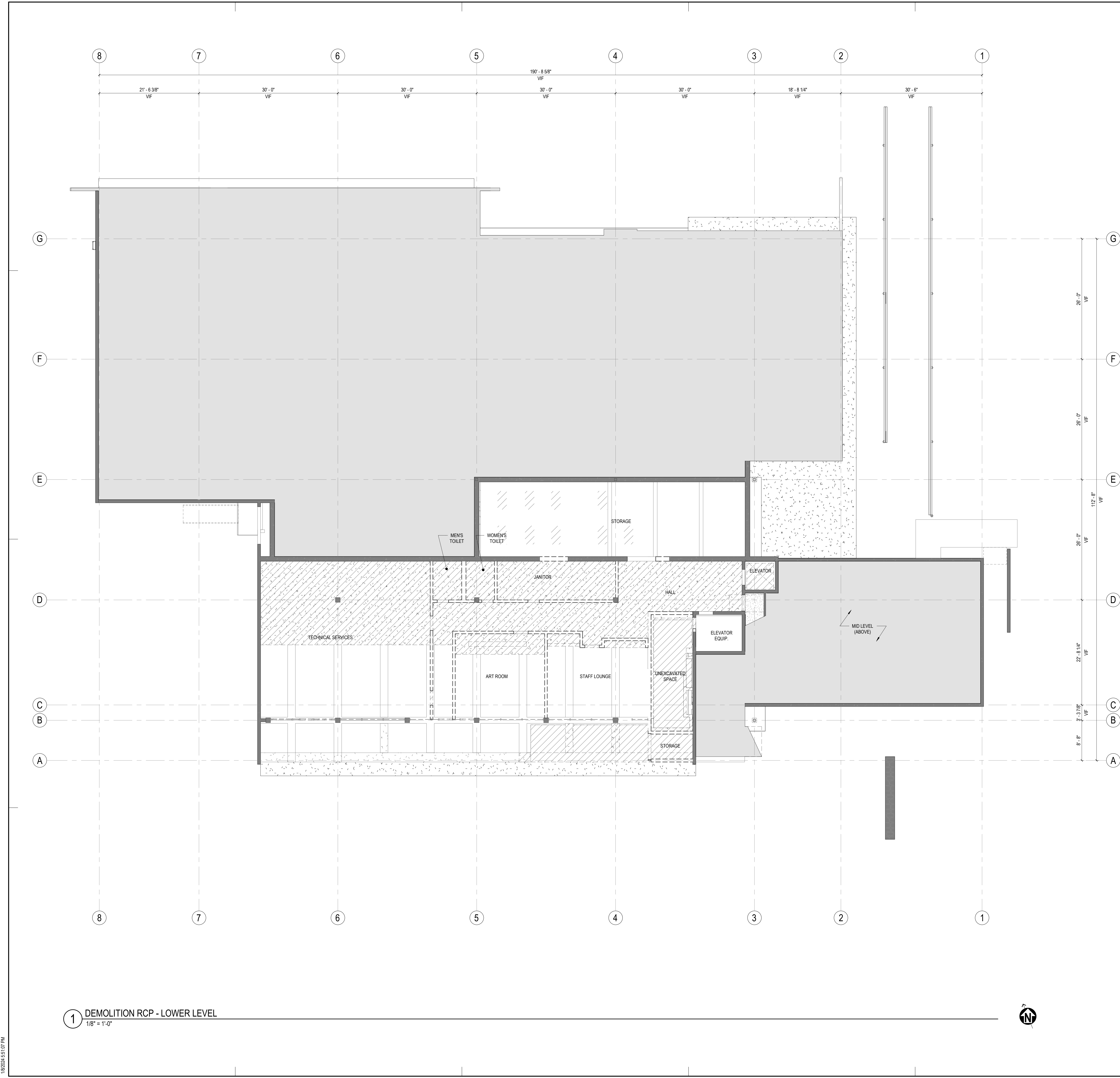
SHEET TITLE:

DEMO RCP - LOWER LEVEL

SCALE: 1/8" = 1'-0"

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A180



1 DEMOLITION RCP - LOWER LEVEL  
1/8" = 1'-0"



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SHEET NOTES

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- D. NEW WALLS ARE DIMENSIONED TO FACE OF STUD PER SHEET X001, I.I.D.
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- F. REPEITITIVE FEATURES ARE NOT DRAWN TO THEIR ENTIRETY AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
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- H. ALIGN NEW WALLS TO EXISTING STRUCTURAL GRID COLUMNS, V.I.F.

KEYNOTES

- 10.55 (E) CHANDELIER, TO BE REFURBISHED

LEGEND

- (E) CEILING TO BE DEMOLISHED
- UNDERSIDE OF ROOF OVERHANGS
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) WALL TO BE DEMOLISHED
- (E) FULL HT. WALL TO REMAIN
- (E) LOW HT. WALL TO REMAIN
- (E) CONC. COLUMN
- (E) GLAZING TO BE DEMOLISHED AND REPLACED IN KIND. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION

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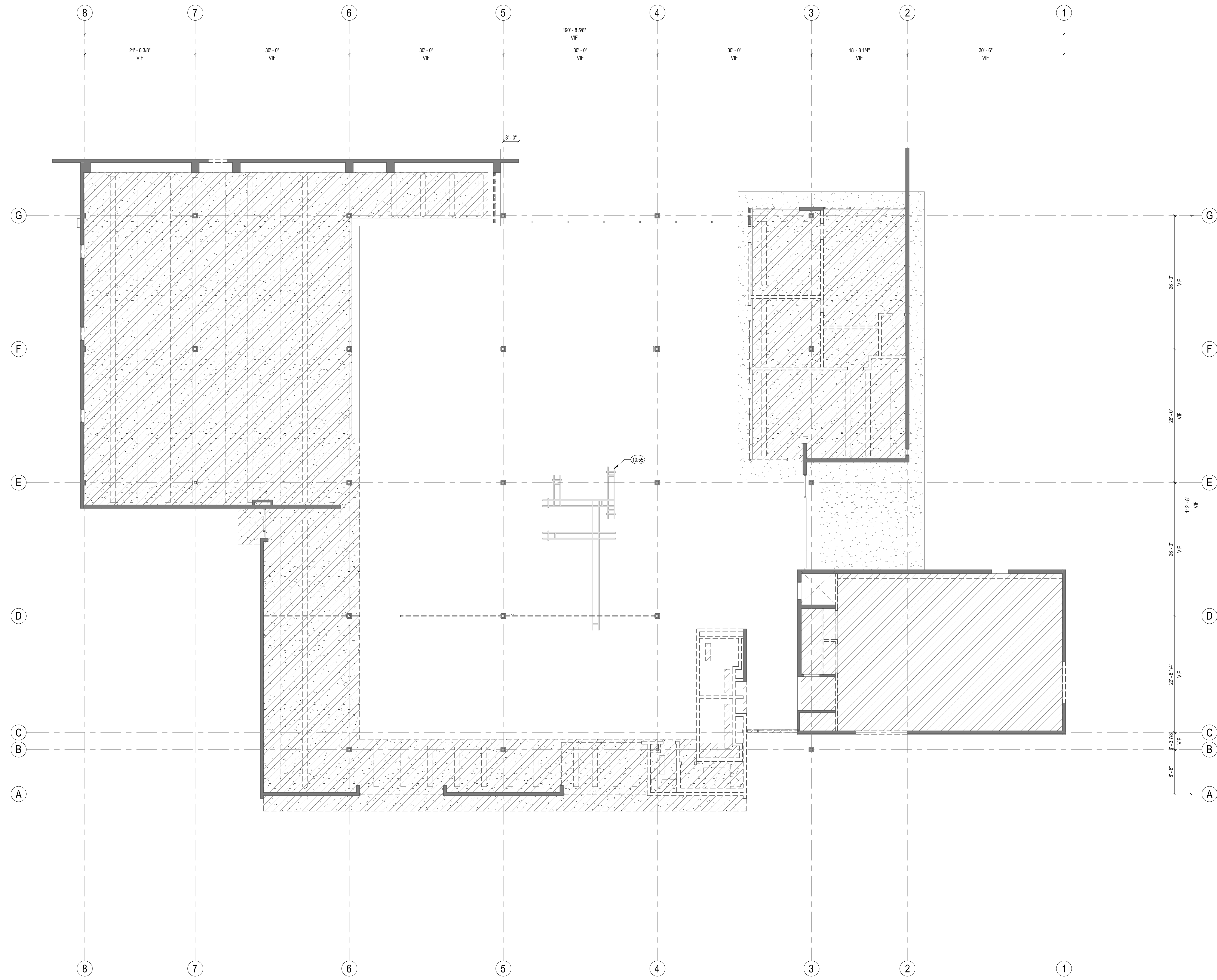
SHEET TITLE:

DEMO RCP - MAIN  
LEVEL LOWER  
CEILING

SCALE: 1/8" = 1'-0"

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1 DEMOLITION RCP- MAIN LEVEL LOWER CEILING  
1/8" = 1'-0"





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- C. MATCH EXISTING STUD DIMENSION WHERE NEW PARTITION FRAMING ALIGNS WITH EXISTING PARTITION. STUD SIZE INDICATED IN WALL TYPE NEEDS TO BE VERIFIED AT THESE CONDITIONS.
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- E. ADJACENT IN-LINE PARTITIONS OF DIFFERENT TYPES SHALL BE CONSTRUCTED SUCH THAT EXPOSED FINISH SURFACES ARE FLUSH AND CONTIGUOUS.
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KEYNOTES

08.52 CLERESTORY WINDOWS

LEGEND

- (E) CEILING TO BE DEMOLISHED
- UNDERSIDE OF ROOF OVERHANGS
- (E) LIGHT FIXTURE TO BE DEMOLISHED
- (E) WALL TO BE DEMOLISHED
- (E) FULL HT. WALL TO REMAIN
- (E) LOW HT. WALL TO REMAIN
- (E) CONC. COLUMN
- (E) GLAZING TO BE DEMOLISHED AND REPLACED IN KIND. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION

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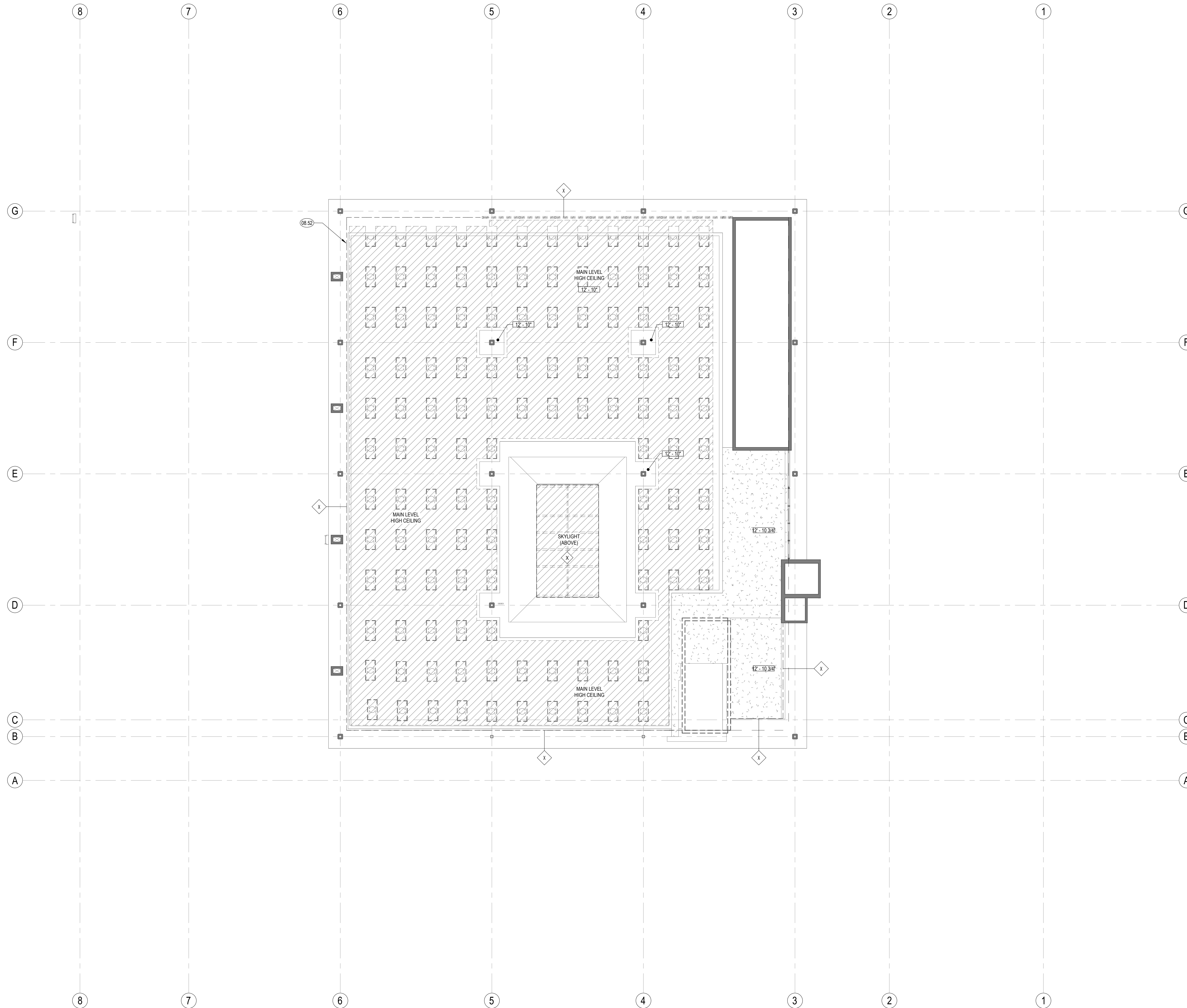
SHEET TITLE:

DEMO RCP - MAIN  
LEVEL UPPER  
CEILING

SCALE: 1/8" = 1'-0"

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1 REFLECTED CEILING PLAN - MAIN LEVEL UPPER CEILING Copy 2  
1/8" = 1'-0"





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### FLOOR PLAN SHEET NOTES

- A. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO WORK.
- B. PROVIDE ACCESS PANELS AS REQUIRED PER APPLICABLE CODES FOR MAINTENANCE ACCESS TO INSTALLED MEP EQUIPMENT. PROVIDE STAINLESS STEEL ACCESS PANELS AT CERAMIC TILE LOCATIONS. COORDINATE TYPES AND LOCATIONS OF WALL ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- C. BLOCKING OR BACKING SHALL BE PROVIDED IN PARTITIONS AS REQUIRED FOR WALL ATTACHED ITEMS. SEE DETAIL XXX FOR BACKING SCHEDULE FOR CABINETRY, SHELVING, MARKER BOARDS, CHAIR RAILS, GRAB BARS, SHOWER SEATS, HANDRAILS, FIXTURES, EQUIPMENT, FURNISHINGS AND OTHER ITEMS AS REQUIRED.
- D. MATCH EXISTING STUD DIMENSION WHERE NEW PARTITION FRAMING ALIGNS WITH EXISTING PARTITION. STUD SIZE INDICATED IN WALL TYPE NEEDS TO BE VERIFIED AT THESE CONDITIONS.
- E. NEW WALLS ARE DIMENSIONED TO FACE OF STUD.
- F. ADJACENT IN-LINE PARTITIONS OF DIFFERENT TYPES SHALL BE CONSTRUCTED SUCH THAT EXPOSED FINISH SURFACES ARE FLUSH AND CONTINUOUS.
- G. REPETITIVE FEATURES ARE NOT DRAWN TO THEIR ENTIRETY AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
- H. PATCH AND REPAIR EXISTING WALLS WHERE DAMAGED DUE TO REMOVAL OF WOOD TRIM, HANDRAILS, AND OTHER ITEMS.
- I. ALIGN NEW WALLS TO EXISTING STRUCTURAL GRID COLUMNS. V.I.F.

### KEYNOTES

- 06.01 INFILL WD STUD FRAMING. VERIFY STUD DIMENSIONS IN FIELD
- 06.27 INFILL FLOOR
- 06.60 CUSTOM MILLWORK DISPLAY CASE. REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
- 09.51 WALK OFF MAT

### LEGEND

- INTERIOR AND EXTERIOR SOFFITS ABOVE
- PARTITION. SEE PARTITION TYPES ON SHEET A800
- EXISTING (E) WALL TO REMAIN
- EXISTING (E) DOOR TO REMAIN
- WALL TAG
- DOOR TAG
- EXISTING (E) DOOR TO REMAIN
- WINDOW TAG
- STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND

### CONSULTANTS LOGO

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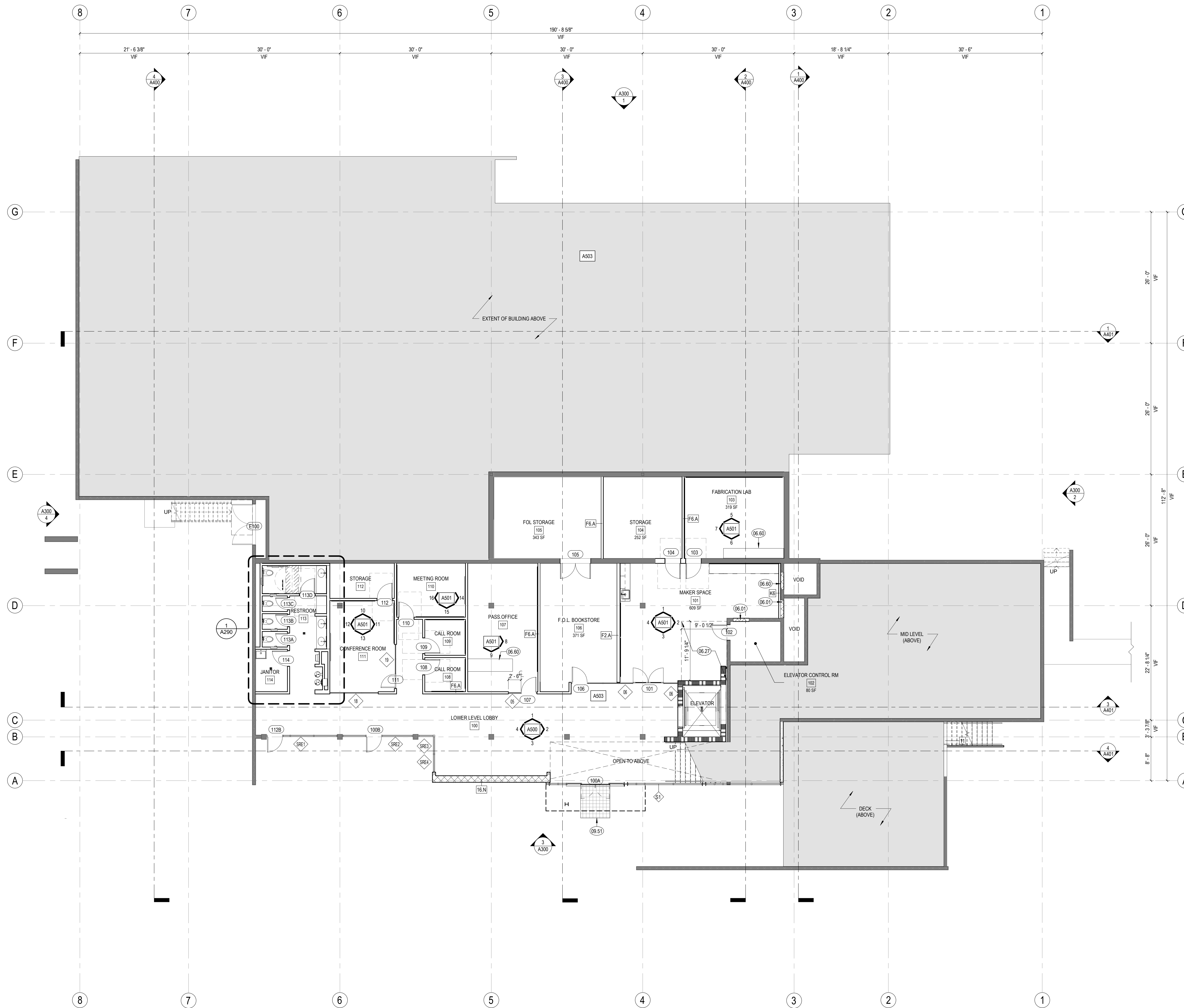
SHEET TITLE:

FLOOR PLAN - LOWER LEVEL

SCALE: 1/8" = 1'-0"

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1 FLOOR PLAN - LOWER LEVEL  
1/8" = 1'-0"

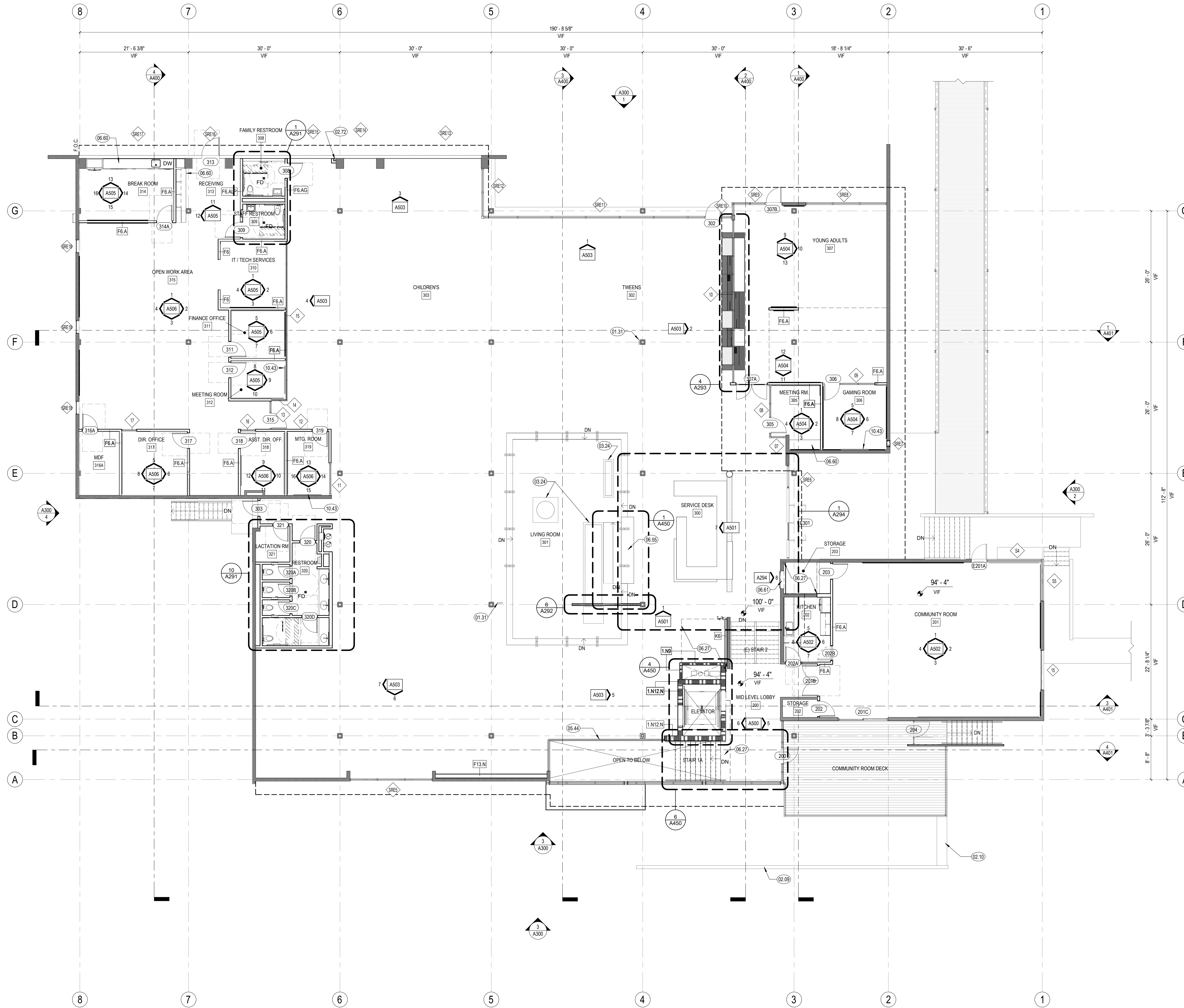


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FLOOR PLAN SHEET NOTES

- A. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO WORK.
- B. PROVIDE ACCESS PANELS AS REQUIRED PER APPLICABLE CODES FOR MAINTENANCE ACCESS TO INSTALLED MEP EQUIPMENT. PROVIDE STAINLESS STEEL ACCESS PANELS AT CERAMIC TILE LOCATIONS. COORDINATE TYPES AND LOCATIONS OF WALL ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- C. BLOCKING OR BACKING SHALL BE PROVIDED IN PARTITIONS AS REQUIRED FOR WALL ATTACHED ITEMS. SEE DETAIL XXX FOR BACKING SCHEDULE FOR CABINETRY, SHELVING, MARKER BOARDS, CHAIR RAILS, GRAB BARS, SHOWER SEATS, HANDRAILS, FIXTURES, EQUIPMENT, FURNISHINGS AND OTHER ITEMS AS REQUIRED.
- D. MATCH EXISTING STUD DIMENSION WHERE NEW PARTITION FRAMING ALIGNS WITH EXISTING PARTITION. STUD SIZE INDICATED IN WALL TYPE NEEDS TO BE VERIFIED AT THESE CONDITIONS.
- E. NEW WALLS ARE DIMENSIONED TO FACE OF STUD.
- F. ADJACENT IN-LINE PARTITIONS OF DIFFERENT TYPES SHALL BE CONSTRUCTED SUCH THAT EXPOSED FINISH SURFACES ARE FLUSH AND CONTIGUOUS.
- G. REPETITIVE FEATURES ARE NOT DRAWN TO THEIR ENTIRETY AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
- H. PATCH AND REPAIR EXISTING WALLS WHERE DAMAGED DUE TO REMOVAL OF WOOD TRIM, HANDRAILS, AND OTHER ITEMS.
- I. ALIGN NEW WALLS TO EXISTING STRUCTURAL GRID COLUMNS. V.I.F.



KEYNOTES

- 01.31 (E) ELECTRICAL WALKER DUCTS TO REMAIN. DEMO (E) ELECTRICAL CONDUITS ALONG COLUMN AND REROUTE VIA IN-FLOOR DUCT SYSTEM TO ELECTRICAL PANEL. SEE TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 02.09 (E) CMU WALL. VIF.
- 02.10 (E) STONE WALL. VIF.
- 02.72 (E) RAIN WATER LEADER.
- 03.24 EXISTING CONCRETE PLANTERS.
- 05.44 MECHANICAL SCREEN WITH 4" STL. POSTS AND DECORATIVE EXPANDED MTL. INFILL PANELS.
- 06.27 INFILL FLOOR.
- 06.55 WOOD BENCH. REFER TO CASEWORK DETAILS FOR ADDITIONAL INFORMATION.
- 06.60 CUSTOM MILLWORK DISPLAY CASE. REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
- 06.61 CUSTOM LIBRARY OF THINGS DISPLAY. WILL INCLUDE DISPLAY OF ITEM PLACARDS AND POSSIBLY A BOOK DROP.
- 10.43 WALL MOUNTED TV.

LEGEND

- INTERIOR AND EXTERIOR SOFFITS ABOVE
- PARTITION. SEE PARTITION TYPES ON SHEET A800
- EXISTING (E) WALL TO REMAIN
- [F1.A] WALL TAG
- ### DOOR TAG
- [E###] EXISTING (E) DOOR TO REMAIN
- ◇ S4 WINDOW TAG
- ◇ SRE# STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND

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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

ALTADENA MAIN LIBRARY  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

FLOOR PLAN - MAIN LEVEL

SCALE: 1/8" = 1'-0"

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A201

1 FLOOR PLAN - MAIN LEVEL  
1/8" = 1'-0"



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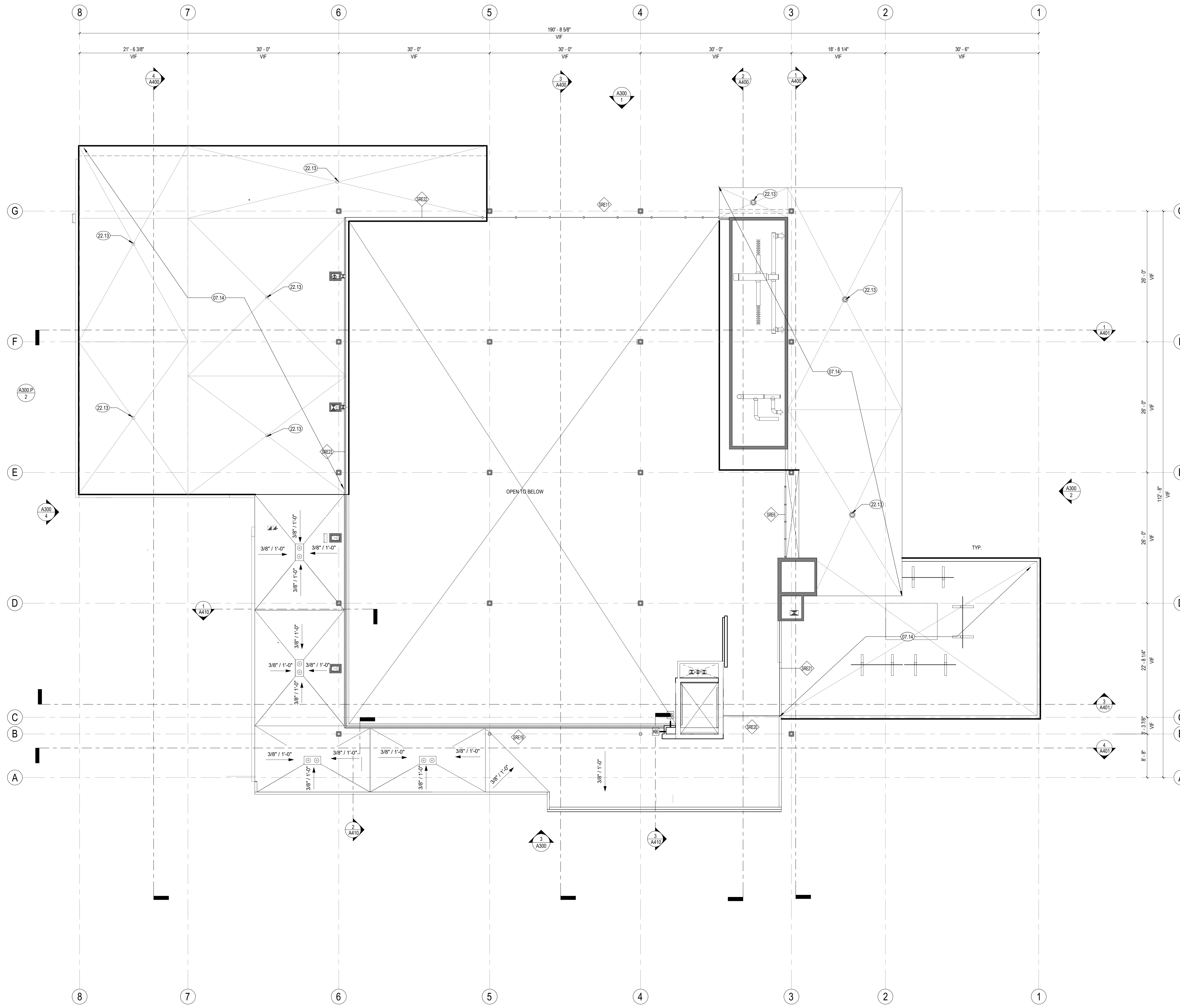
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SHEET NOTES

1. PARAPETS AND CURBS SHOULD BE A MINIMUM OF 8 INCHES ABOVE THE FINISHED ROOF SURFACE (INCLUDING CRICKETS) TO THE BOTTOM OF THE LOWEST EDGE OF THE PARAPET CAP OR CURB.
2. SKYLIGHTS, HATCHES AND MECHANICAL EQUIPMENT SHOULD BE INSTALLED ON CURBS WITH MINIMUM 8 INCH HEIGHT ABOVE THE ADJACENT ROOF SURFACE TO THE LOWEST EDGE OF THE CURB FLASHING FLANGE. FLASHING CAPS SHOULD EXTEND DOWN TO COVER THE TOP OF THE ROOFING BY 4 INCHES MINIMUM.
3. ROOF MOUNTED MECHANICAL EQUIPMENT MUST BE CAREFULLY COORDINATED WITH OTHER ROOF ELEMENTS SUCH AS SCREENS AND PARAPETS TO ENSURE ADEQUATE CLEARANCE FOR MAINTENANCE ACCESS AND VENTILATION. AVOID PLACING ROOF PENETRATIONS SUCH AS HATCHES OR UTILITY SERVICE PORTS LESS THAN 24 INCHES FROM PARAPETS OR ROOF EDGES.
4. HOT EXHAUST VENTS, STACKS AND OTHER FACILITY SERVICE PENETRATIONS SHOULD BE FLASHED WITH PREFABRICATED COLLARS AS RECOMMENDED BY THE MEMBRANE ROOF MANUFACTURER.
5. ROOF PENETRATIONS SHOULD BE SPACED A MINIMUM OF 12 INCHES APART CURB-TO-CURB, AND KEPT 24 INCHES AWAY FROM PARAPET WALLS IN ORDER TO PROVIDE CONSTRUCTION AND MAINTENANCE CLEARANCE FOR PENETRATION FLASHINGS.
6. FLASHING FLANGES SHOULD BE WELDED TO DUCTWORK AND METAL PENETRATING ELEMENTS WHEREVER POSSIBLE AND SHOULD NOT RELY ON "DRAW-BAND" INSTALLATIONS.
7. CRICKETS TO BE BUILT UP WITH TAPERED RIGID INSULATION.
8. ROOF FINISH TO BE PVC MEMBRANE ROOFING.
10. PROVIDE 6" MIN. UN-WELDED SEAM AT DRAINAGE SIDE OF WALKWAYS AT SPACING PER MFR.
11. FOR TEMPORARY, PORTABLE, NON-PENETRATING FALL PROTECTION ACCESSORIES. SEE DETAIL.
12. FOR STRUCTURAL FRAMING PLAN AT CLERESTORY WINDOWS, REFER TO SHEET S300.

KEYNOTES

- 07.14 SLOPED INSULATION TO REPLACE (E) ZONOLITE. (E) ROOF STRUCTURE TO BE PRESERVED IN PLACE.
- 22.13 (E) ROOF DRAIN, VIF



1 ROOF PLAN - LOW ROOF  
1/8" = 1'-0"

LEGEND

- FOOTPRINT OF BUILDING BELOW
- INTERIOR AND EXTERIOR SOFFITS ABOVE
- SPOT ELEVATION
- ⊞ ROOF ACCESS HATCH
- ▬ ROOF WALKWAY
- ⊞ ROOF DRAIN WITH OVERFLOW
- ◊ STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND
- ▨ MAX. AREA FOR FUTURE SOLAR PHOTOVOLTAIC PANELS. UNDER SEPARATE INCREMENT AND BID. SHOWN FOR REFERENCE ONLY. SOLAR PANELS TO BE MIN. 4'-0" FROM ROOF EDGE.

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NO. DATE REVISIONS

NO.	DATE	REVISIONS

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ALTADENA MAIN LIBRARY  
600 E MARIPOSA STREET  
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PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

ROOF PLAN - LOW ROOF

SCALE: 1/8" = 1'-0"

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SHEET NOTES

1. PARAPETS AND CURBS SHOULD BE A MINIMUM OF 8 INCHES ABOVE THE FINISHED ROOF SURFACE (INCLUDING CRICKETS) TO THE BOTTOM OF THE LOWEST EDGE OF THE PARAPET CAP OR CURB.
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3. ROOF MOUNTED MECHANICAL EQUIPMENT MUST BE CAREFULLY COORDINATED WITH OTHER ROOF ELEMENTS SUCH AS SCREENS AND PARAPETS TO ENSURE ADEQUATE CLEARANCE FOR MAINTENANCE ACCESS AND VENTILATION. AVOID PLACING ROOF PENETRATIONS SUCH AS HATCHES OR UTILITY SERVICE PORTS LESS THAN 24 INCHES FROM PARAPETS OR ROOF EDGES.
4. HOT EXHAUST VENTS, STACKS AND OTHER FACILITY SERVICE PENETRATIONS SHOULD BE FLASHED WITH PREFABRICATED COLLARS AS RECOMMENDED BY THE MEMBRANE ROOF MANUFACTURER.
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8. ROOF FINISH TO BE PVC MEMBRANE ROOFING.
10. PROVIDE 6" MIN. UNWELDED SEAM AT DRAINAGE SIDE OF WALKWAYS AT SPACING PER MFR.
11. FOR TEMPORARY, PORTABLE, NON-PENETRATING FALL PROTECTION ACCESSORIES, SEE DETAIL.
12. FOR STRUCTURAL FRAMING PLAN AT CLERESTORY WINDOWS, REFER TO SHEET S300.

KEYNOTES

- 02.32 (E) ROOF LADDER TO REMAIN IN PLACE
- 07.14 SLOPED INSULATION TO REPLACE (E) ZONOLITE (E) ROOF STRUCTURE TO BE PRESERVED IN PLACE
- 08.53 NEW CLERESTORY WINDOWS TO REPLACE EXISTING (BELOW), REFER TO BUILDING SECTIONS AND ELEVATIONS FOR ADDITIONAL INFORMATION
- 22.13 (E) ROOF DRAIN VIF

LEGEND

- FOOTPRINT OF BUILDING BELOW
- INTERIOR AND EXTERIOR SOFFITS ABOVE
- SPOT ELEVATION
- ROOF ACCESS HATCH
- ROOF WALKWAY
- ROOF DRAIN WITH OVERFLOW
- STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND
- MAX. AREA FOR FUTURE SOLAR PHOTOVOLTAIC PANELS. UNDER SEPARATE INCREMENT AND BID. SHOWN FOR REFERENCE ONLY. SOLAR PANELS TO BE MIN. 4'-0" FROM ROOF EDGE.

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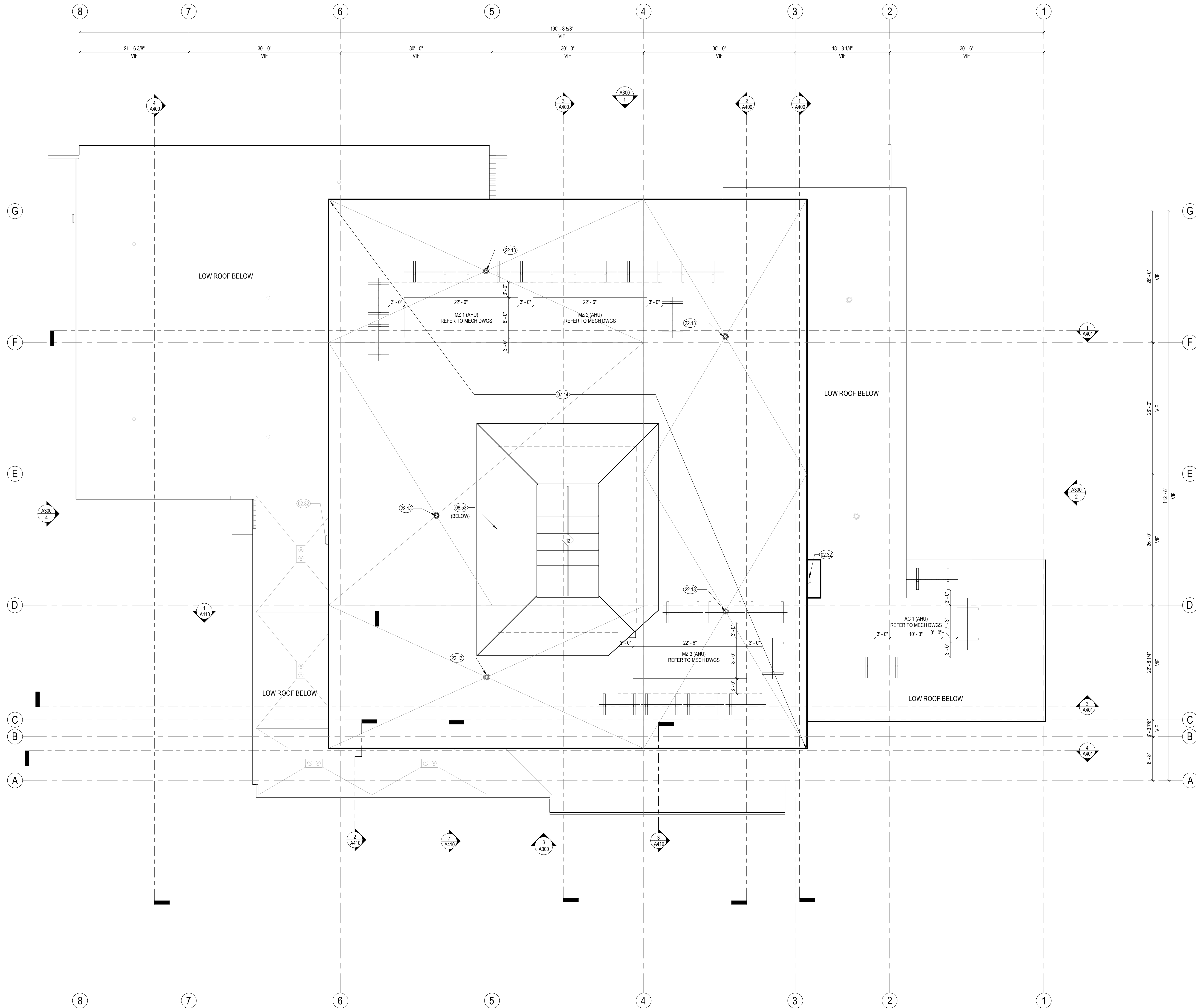
SHEET TITLE:

ROOF PLAN - HIGH ROOF

SCALE: 1/8" = 1'-0"

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A211



1 ROOF PLAN - HIGH ROOF  
1/8" = 1'-0"



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SHEET NOTES

KEYNOTES

- 10.91 UNDERSIDE OF EXTERIOR STAIR LANDING
- 26.46 LINEAR UP LIGHT ON GYPSUM BOARD SHELF

LEGEND

- WD 2 - WOOD SLAT CEILING SYSTEM, REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- SS-1 - 15/16" SUSPENSION GRID, BLACK PLENUM ABOVE TO BE PAINTED PTS, REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- ACT 1 - 24" X 24" ACT CEILING, REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- SS-2 - 15/16" SUSPENSION GRID, WHITE
- ACT 1 - 24" X 48" ACT CEILING, SEE A340 FOR FINISH
- SS-2 - 15/16" SUSPENSION GRID, WHITE
- GB 2 - GYPSUM BOARD CLG, FRAMED SYSTEM, PAINTED
- PAINTED EXISTING STRUCTURE
- PAINTED CEMENT PLASTER
- MTL-3 DECORATIVE METAL PANEL
- 10'-0" CEILING HEIGHT A.F.F.
- (MT-3) DUAL ROLLER SHADE, ELECTRIC SEE FOR FINISH SEE A240: MS1, MS2
- LIGHT FIXTURES, SED
- MECHANICAL DIFFUSERS, SMD
- WIRELESS ACCESS POINT, SEE TELECOMM DRAWINGS
- FIRE SPRINKLERS, SEE FIRE PROTECTION DRAWINGS
- FIRE ALARM DEVICE, SEE FIRE ALARM DRAWINGS
- ROOF ACCESS HATCH, SEE ROOF PLAN
- ACCESS PANEL, (CONTRACTOR TO VERIFY IN FIELD, BEST LOCATION, SIZE & NEED. COORDINATE W/ OTHER DISCIPLINES WHERE ACCESS IS NEEDED.)
- EXIT SIGNAGE, SEE ELECTRICAL DRAWINGS
- WINDOW TAG
- STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND

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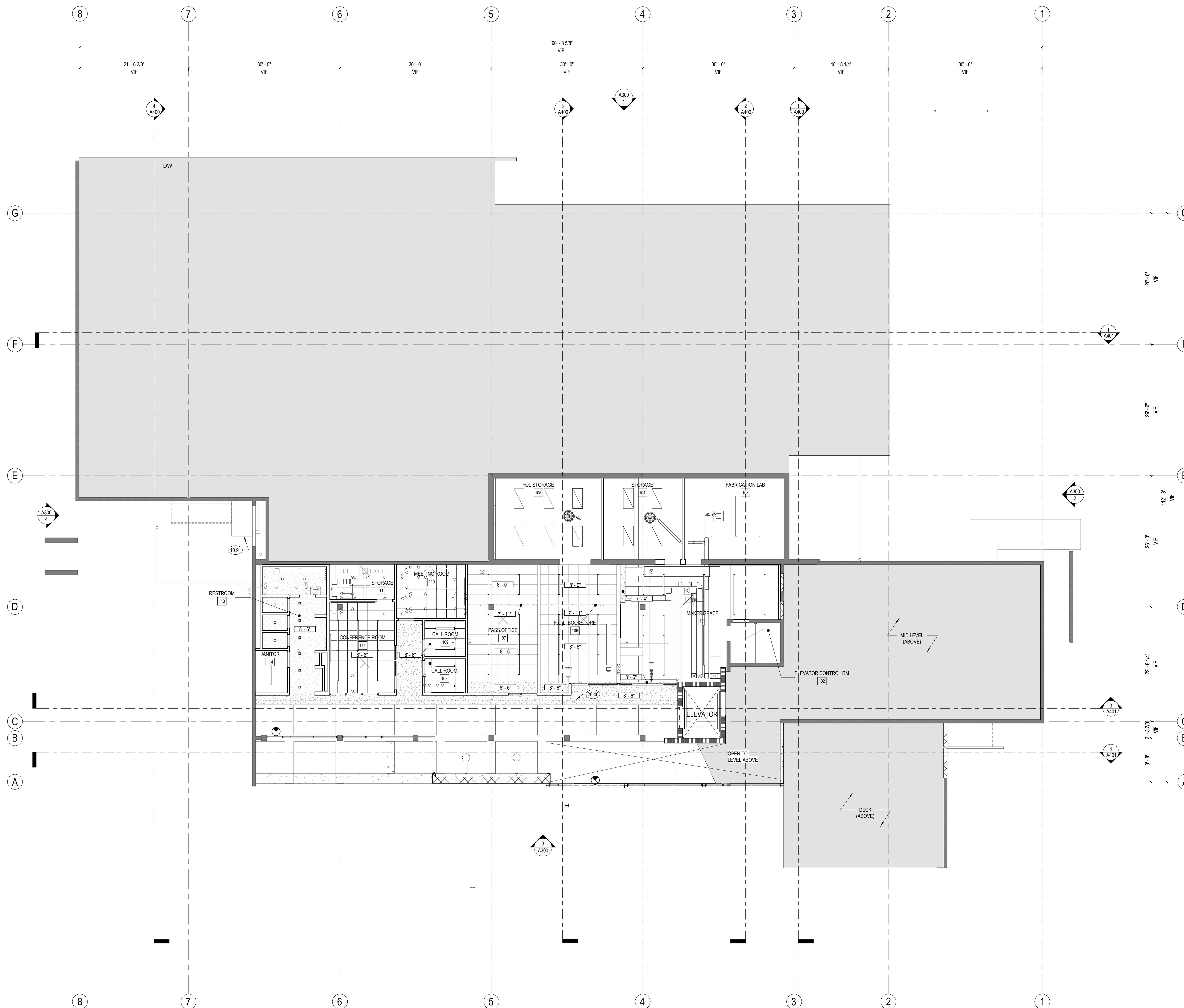
SHEET TITLE:

RCP - LOWER LEVEL

SCALE: 1/8" = 1'-0"

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A220



1 REFLECTED CEILING PLAN - LOWER LEVEL  
1/8" = 1'-0"





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SHEET NOTES

KEYNOTES

10.55 (E) CHANDELIER, TO BE REFURBISHED  
12.01 MOTORIZED SHADED, SINGLE SHADE, SEE FINISH LEGEND FOR MATERIAL

LEGEND

- WD 2 - WOOD SLAT CEILING SYSTEM, REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION  
SS-1 - 15/16" SUSPENSION GRID, BLACK PLENUM ABOVE TO BE PAINTED PTS, REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- ACT 1 - 24" X 24" ACT CEILING, REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION  
SS-2 - 15/16" SUSPENSION GRID, WHITE
- ACT 1 - 24" X 48" ACT CEILING, SEE A240 FOR FINISH  
SS-2 - 15/16" SUSPENSION GRID, WHITE
- GB 2 - GYPSUM BOARD CLG. FRAMED SYSTEM, PAINTED.
- PAINTED EXISTING STRUCTURE
- PAINTED CEMENT PLASTER
- MTL-3 DECORATIVE METAL PANEL
- 10'-0" CEILING HEIGHT A.F.F.
- (WT-1) DUAL ROLLER SHADE, ELECTRIC SEE FOR FINISH SEE A240: MS1, MS2
- LIGHT FIXTURES, SED
- MECHANICAL DIFFUSERS, SMD
- WIRELESS ACCESS POINT, SEE TELECOMM DRAWINGS
- FIRE SPRINKLERS, SEE FIRE PROTECTION DRAWINGS
- FIRE ALARM DEVICE, SEE FIRE ALARM DRAWINGS
- ROOF ACCESS HATCH, SEE ROOF PLAN
- ACCESS PANEL, (CONTRACTOR TO VERIFY IN FIELD, BEST LOCATION, SIZE & NEED, COORDINATE W/ OTHER DISCIPLINES WHERE ACCESS IS NEEDED)
- EXIT SIGNAGE, SEE ELECTRICAL DRAWINGS
- WINDOW TAG
- (SREB) STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND

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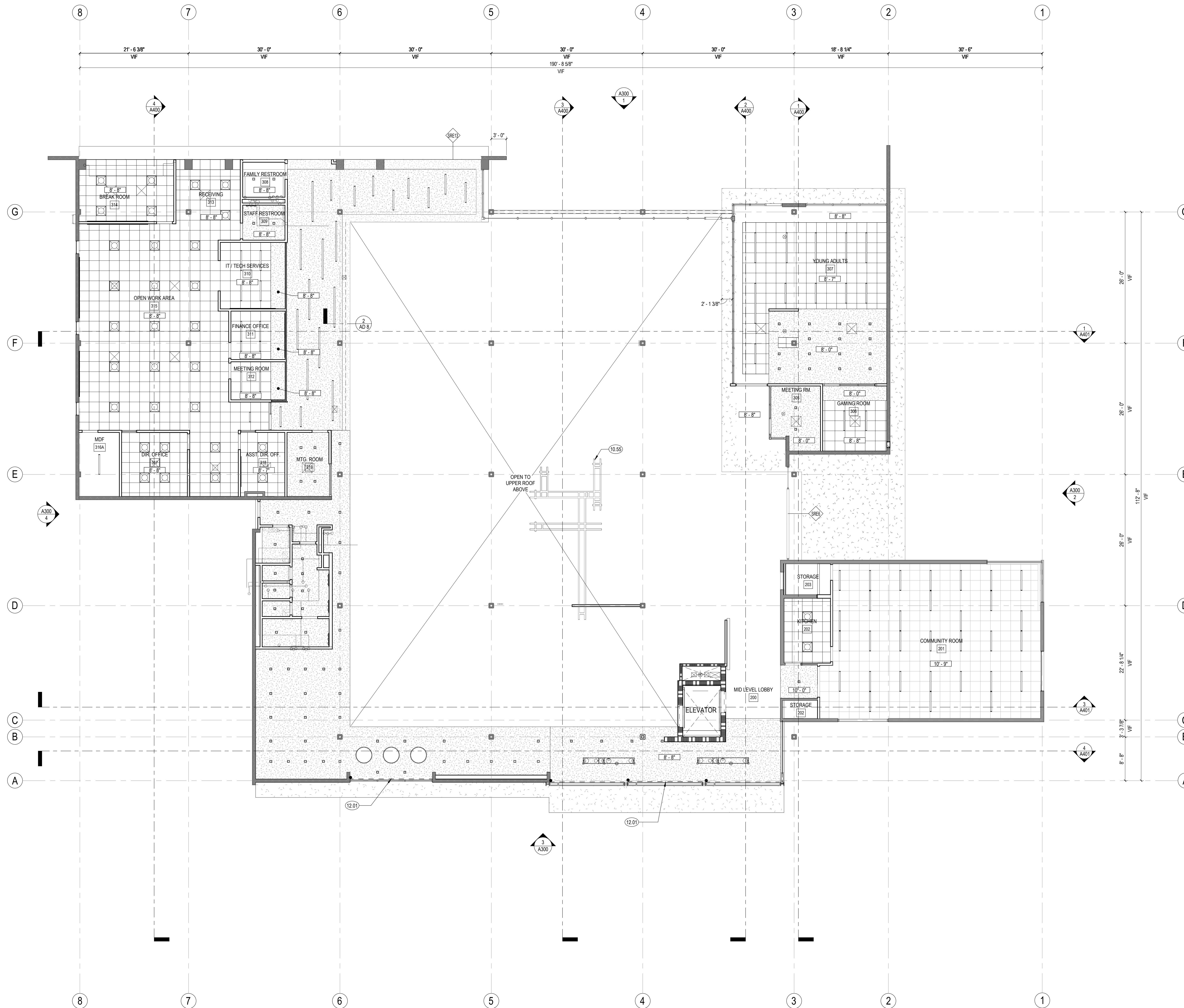
SHEET TITLE:

RCP - MAIN LEVEL  
LOWER CEILING

SCALE: 1/8" = 1'-0"

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A221



1 REFLECTED CEILING PLAN - MAIN LEVEL LOWER CEILING  
1/8" = 1'-0"



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SHEET NOTES

KEYNOTES

09.34 EXPOSED TO UNDERSIDE OF ROOF ABOVE

LEGEND

- WD 2 - WOOD SLAT CEILING SYSTEM**, REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- ACT 1 - 24" X 24" ACT CEILING**, REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- ACT 1 - 24" X 48" ACT CEILING**, SEE A240 FOR FINISH INFORMATION.
- SS-1 - 15/16" SUSPENSION GRID, BLACK PLENUM ABOVE TO BE PAINTED PT5**, REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- SS-2 - 15/16" SUSPENSION GRID, WHITE**
- GB 2 - GYPSUM BOARD CLG, FRAMED SYSTEM, PAINTED.**
- PAINTED EXISTING STRUCTURE**
- PAINTED CEMENT PLASTER**
- MTL-3 DECORATIVE METAL PANEL**
- CEILING HEIGHT A.F.F.**
- DUAL ROLLER SHADE, ELECTRIC SEE FOR FINISH SEE A240: MS1, MS2**
- LIGHT FIXTURES, SED**
- MECHANICAL DIFFUSERS, SMD**
- WIRELESS ACCESS POINT, SEE TELECOMM DRAWINGS**
- FIRE SPRINKLERS, SEE FIRE PROTECTION DRAWINGS**
- FIRE ALARM DEVICE, SEE FIRE ALARM DRAWINGS**
- ROOF ACCESS HATCH, SEE ROOF PLAN**
- ACCESS PANEL, (CONTRACTOR TO VERIFY IN FIELD, BEST LOCATION, SIZE & NEED, COORDINATE W/ OTHER DISCIPLINES WHERE ACCESS IS NEEDED.)**
- EXIT SIGNAGE, SEE ELECTRICAL DRAWINGS**
- WINDOW TAG**
- STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND**

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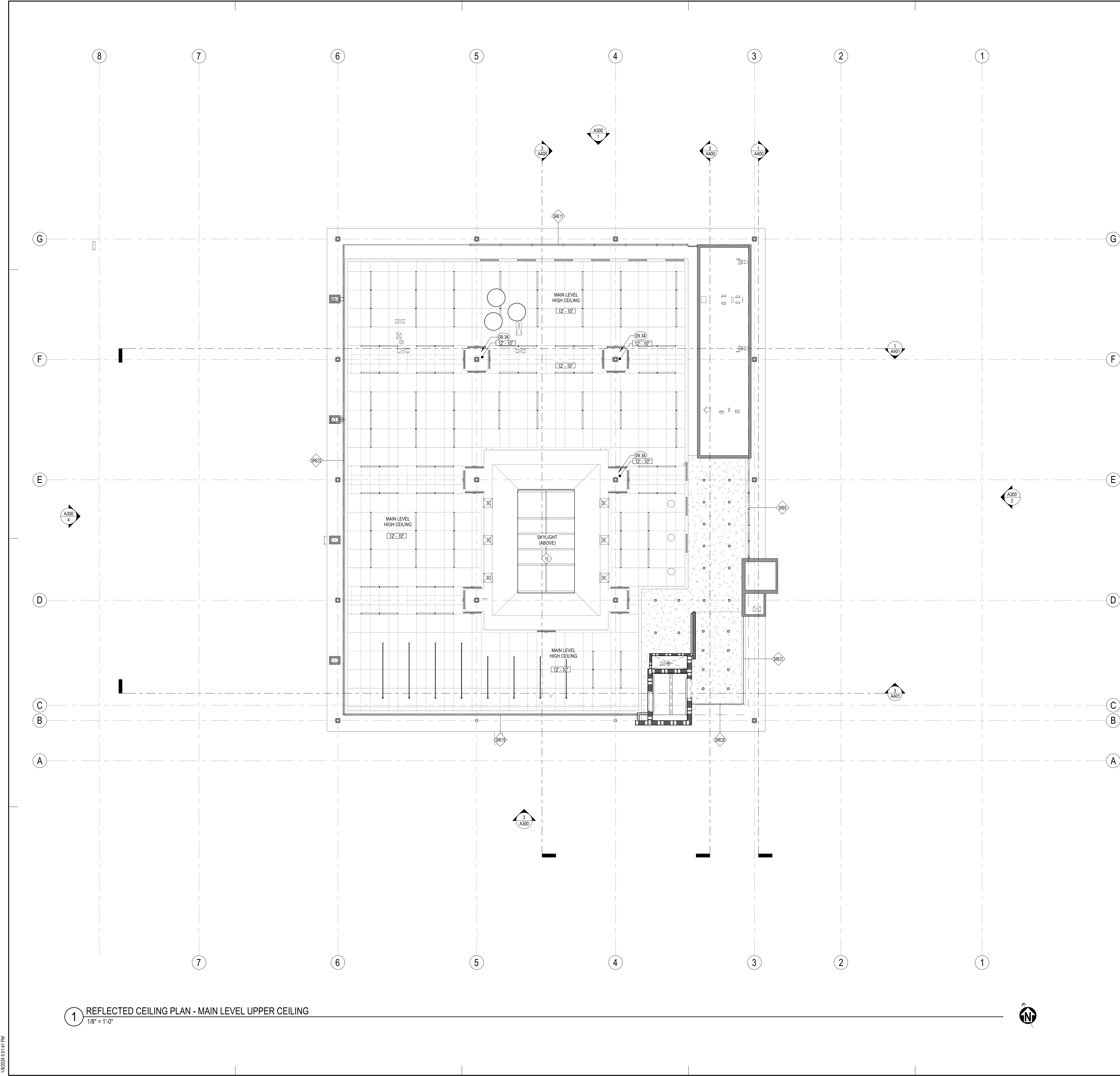
SHEET TITLE:

**RCP - MAIN LEVEL UPPER CEILING**

SCALE: 1/8" = 1'-0"

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A222



**1 REFLECTED CEILING PLAN - MAIN LEVEL UPPER CEILING**

1/8" = 1'-0"

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FINISH PLAN SHEET NOTES

- A. SEE SHEET A240 FOR FINISH LEGEND
- B. FOR VERTICAL FINISHES SEE FINISH PLANS
- C. FOR INTERIOR DOOR FRONT TYPE SEE A600
- D. ALL ELECTRICAL OUTLETS ABOVE CASEWORK TO BE ORIENTED HORIZONTALLY
- E. ELECTRICAL OUTLETS SHOWN FOR REFERENCE. SEE FOR LOCATIONS
- F. ALL CASEWORK TO BE LOCKABLE U.N.O.
- G. FURNITURE SHOWN FOR REFERENCE ONLY
- H. FOR FA AND PA CALLED OUT WITH OUT A NUMBER SEE FINISH PLAN FOR FINISH
- I. ALL WALL BASE IS RUBBER BASE. WB, AS NOTES IN FINISH LEGEND. UNO
- J. FOR FINISH MATERIALS. SEE FINISH LEGEND & INTERIOR FINISH SCHEDULE SHEET A630.
- K. ALL GLASS WALL SYSTEMS TO RECEIVE WINDOW FILM WITH CUSTOM FINISH
- L. ALL WALLS TO BE PAINTED IN P1 U.N.O.
- M. ALL INTERIOR DOOR AND WINDOW TRIM TO BE PAINTED U.N.O.
- N. FOR AV EQUIPMENT LOCATIONS SEE RCPS AND EQUIPMENT PLANS
- O. FOR BACKING DETAILS, REFER TO BACKING PLATE SCHEDULE 10A810

FINISH PLAN KEYNOTES

- 09.16 WALL TILE. SEE ELEVATIONS FOR TYPE
- 09.77 FABRIC WRAPPED ACOUSTIC PANEL. SEE ELEVATIONS FOR EXTENT AND FINISH
- 10.58 CORNER GUARD

FINISH PLAN LEGEND

- WALL FINISH CALLOUT
- INDICATES START OF FLOOR PATTERN
- INDICATES TRANSITION OF MATERIAL
- FLOOR INSTALLATION DIRECTION



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SHEET TITLE:

**FINISH PLAN -  
LOWER LEVEL**

SCALE: 1/8" = 1'-0"

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A230



1 DD - FINISH PLAN - LOWER LEVEL  
1/8" = 1'-0"





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- E. ELECTRICAL OUTLETS SHOWN FOR REFERENCE. SEE FOR LOCATIONS
- F. ALL CASEWORK TO BE LOCKABLE U.N.O.
- G. FURNITURE SHOWN FOR REFERENCE ONLY
- H. FOR FA AND PA CALLED OUT WITH OUT A NUMBER SEE FINISH PLAN FOR FINISH
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- O. FOR BACKING DETAILS, REFER TO BACKING PLATE SCHEDULE 10A810

### FINISH PLAN KEYNOTES

- 09.16 WALL TILE, SEE ELEVATIONS FOR TYPE
- 09.63 FABRIC WRAPPED ACOUSTIC PANEL, SEE ELEVATIONS FOR EXTENT AND FINISH
- 10.58 CORNER GUARD

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PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**FINISH PLAN - MAIN LEVEL**

SCALE: 1/8" = 1'-0"

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A231



1 DD - FINISH PLAN - MAIN LEVEL  
1/8" = 1'-0"

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FLOOR FINISHES

CARPET

- CP1 CARPET TILE MFR: MILLIKEN PATTERN: PLATO COLOR: CELESTITE SIZE: 9x36
CP2 CARPET TILE MFR: MILLIKEN PATTERN: GRAIN BIAS COLOR: RAW EDGE SIZE: 9x36
CP3 CARPET TILE MFR: MILLIKEN PATTERN: PLATO COLOR: BRONZE SIZE: 9x36
CP4 CARPET TILE MFR: INTERFACE PATTERN: SOCIAL FABRIC COLOR: SUNSET SIZE: 9x36
CP5 CARPET TILE MFR: INTERFACE PATTERN: AQUATINT COLOR: CARBON SIZE: 9x36
CP6 WALK OFF CARPET TILE MFR: MILLIKEN PATTERN: CUT / STRIUM COLOR: DARK GREY
CP7 WALK OFF CARPET TILE MFR: MILLIKEN PATTERN: CUTX / FUZZ COLOR: DARK GREEN

TILE

- TF1 PORCELAIN FLOOR TILE MFR: DAL TILE TYPE: HAUTE MONDE COLOR: GLITTERATI GRANITE FINISH: TBD SIZE: 12x24

RESILIENT

- RF1 RESILIENT FLOOR MFR: TARKETT TYPE: LINOLEUM TRENTINO XP SIZE: 2.5MM THICK COLOR: GREY PEPPER
RF2 RESILIENT FLOOR MFR: MARMOLEUM TYPE: FRESCO COLOR: DOVE BLUE
RF3 RESILIENT FLOOR MFR: PATCRAFT TYPE: ADMIX SIZE: 36"x36" COLOR: SUNDAV

SEALED CONCRETE

- SC1 SEALED CONCRETE MFR: N/A TYPE: N/A COLOR: N/A NOTE: N/A

TERRAZZO

- SC2 RESILIENT FLOOR - TERRAZZO MFR: KEY RESIN TYPE: Poured TERRAZZO COLOR: IVORY PEARL

WALL FINISHES

PAINT

- PT1 GENERAL WALL PAINT MFR: DUNN EDWARDS COLOR: TBD FINISH: TBD
PT2 ACCENT PAINT MFR: DUNN EDWARDS COLOR: TBD FINISH: TBD
PT3 ACCENT PAINT MFR: DUNN EDWARDS COLOR: TBD FINISH: TBD

TILE

- TW1 WALL TILE MFR: FIRECLAY TYPE: BRICK COLOR: OLYMPIC SIZE: 2.5x8 GROUT: TBD TRIM: INCLUDE TRIM PIECES
TW2 WALL TILE MFR: FIRECLAY TYPE: BRICK COLOR: COLUMBIA PLATEAU FINISH: GLOSS SIZE: 2.5x8 GROUT: TBD TRIM: INCLUDE TRIM PIECES
TW3 WALL TILE MFR: DAL TILE TYPE: COLOR WHEEL LINEAR COLOR: BISCUIT FINISH: GLOSS SIZE: 2x8 GROUT: TBD TRIM: TBD
TW4 WALL TILE MFR: DAL TILE TYPE: COLOR WHEEL LINEAR COLOR: BISCUIT FINISH: MATTIE SIZE: 2x8 GROUT: TBD TRIM: SCHLUTER JOLLY, COLOR TBD
TW5 WALL TILE COVE BASE MFR: DAL TILE COLOR: HAUT MONDE SIZE: 6x12 GROUT: TBD
TW6 WALL TILE COVE BASE MFR: DAL TILE TYPE: FLAT TOP COVE BASE COLOR: BISCUIT FINISH: GLOSS SIZE: 4x12 GROUT: TBD
TW7 WALL TILE COVE BASE MFR: DAL TILE TYPE: BULLNOSED COVE BASE COLOR: BISCUIT FINISH: GLOSS SIZE: 4x12 GROUT: TBD

WALL BASE

- WB1 RUBBER WALL BASE MFR: BURKE TYPE: RUBBER BASE WITH FOOT SIZE: 4" COLOR: ???

WALL PROTECTION

- WP1 ACROVYN PANEL MFR: AGROVYN TYPE: ??? HEIGHT: 5'6" A.F.F. COLOR: ???

CASEWORK FINISHES

PLASTIC LAMINATE

- PL1 ELASTIC LAMINATE MFR: NEVAMAR COLOR: MESIAN FINISH: TBD
PL2 PLASTIC LAMINATE MFR: NEVAMAR COLOR: SUNRAY FINISH: TEXTURED

SOLID SURFACE

- SS1 QUARTZ SOLID SURFACE MFR: CORIAN COLOR: PENDLE HILL
SS2 SOLID POLYMER SOLID SURFACE MFR: CORIAN COLOR: BONE
SS3 TRESPA MFR: TRESPA PRICE GROUP 4

WOOD FINISHES

- WD1 WOOD VENEER MFR: ??? COLOR: ??? FINISH: ???

SPECIALTY FINISHES

FABRIC

- FA1 MFR: DESIGNTEX NAME: GAMUT FINISH: STONE
FA2 MFR: DESIGNTEX NAME: GAMUT FINISH: OLIVE
FA3 MFR: DESIGNTEX NAME: GAMUT FINISH: FINCH
FA4 MFR: DESIGNTEX NAME: GAMUT FINISH: CADET
FA5 MFR: DESIGNTEX NAME: GAMUT FINISH: NUTMEG
FA6 MFR: SOELBERG NAME: MUTO FINISH: LAMES EAR THICKNESS: 1/2"
WOOD CEILING MFR: RULON NAME: LINEAR OPEN FINISH: TBD

RESIN / GLASS

- RP1 ACRYLIC RESIN MFR: 3 FORM NAME: ??? FINISH: ???
RP2 ACRYLIC RESIN MFR: 3 FORM NAME: ??? FINISH: ???
GL1 GLASS PANEL MFR: 3 FORM NAME: ??? FINISH: ???

CONSULTANTS LOGO

STAMP



NO. DATE REVISIONS

Table with 3 columns: NO., DATE, REVISIONS

PROJECT TITLE:

ALTADENA MAIN LIBRARY
600 E MARIPOSA STREET
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

FINISH LEGEND

SCALE: 1/8" = 1'-0"

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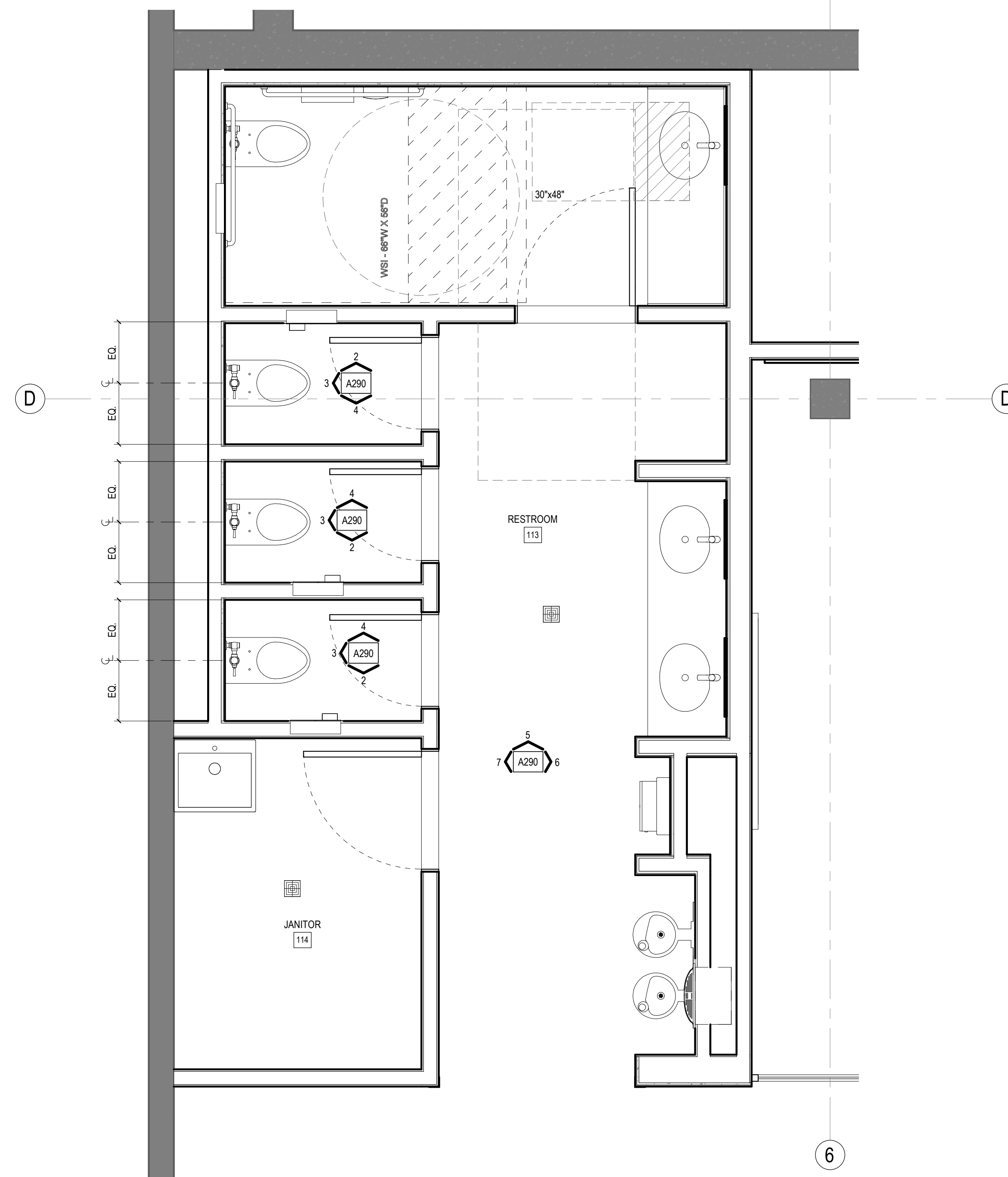
325 South First Street, 4th Floor  
San Jose, California 95113  
408.298.1885 | www.aba-arch.com  
409 Harvard Avenue, Suite 201  
Claremont, CA 91711

SHEET NOTES

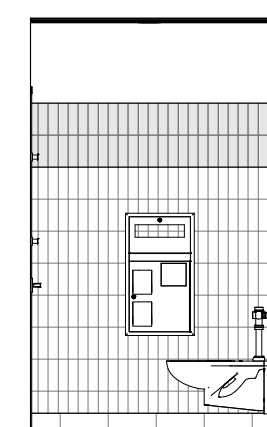
- A. FOR TOILET ACCESSORIES, SEE SPECIFICATIONS FOR MORE INFORMATION.
- B. FOR PLUMBING FIXTURES, SPD.
- C. FOR ADDITIONAL INFORMATION ON FINISHES, REFER TO SHEETS A230 AND A240.
- D. REFER TO SHEET G130 FOR MOUNTING HEIGHT FOR ALL RESTROOM FIXTURES AND ACCESSORIES.

KEYNOTES

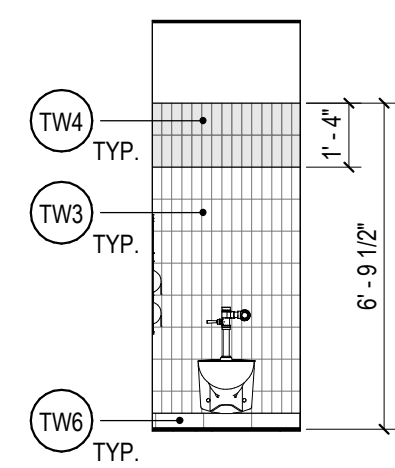
LEGEND



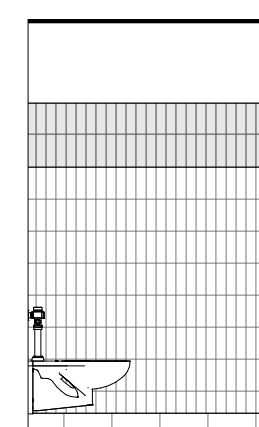
1 ENLARGED RR PLAN - LOWER LEVEL  
1/2" = 1'-0"



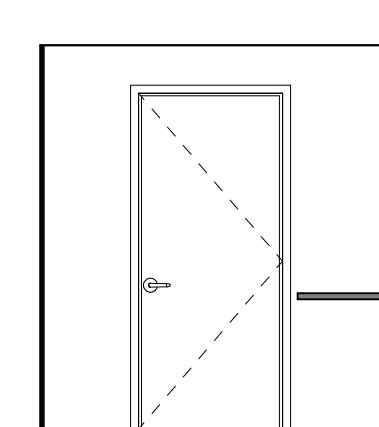
2 TOILET ROOM - S  
1/4" = 1'-0"



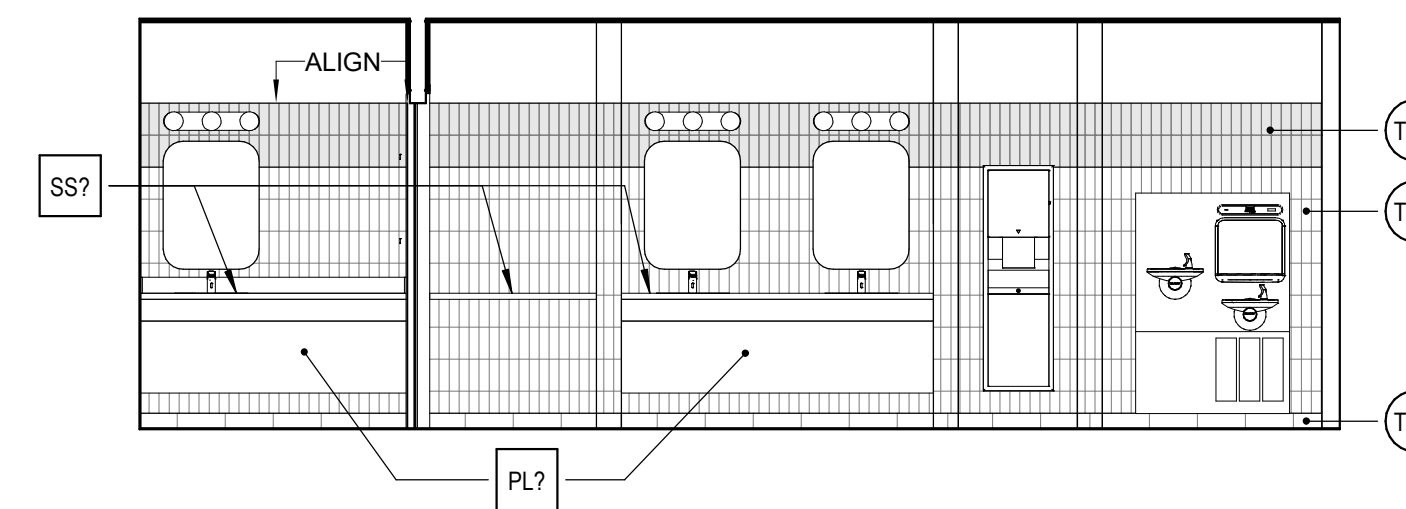
3 TOILET ROOM - W  
1/4" = 1'-0"



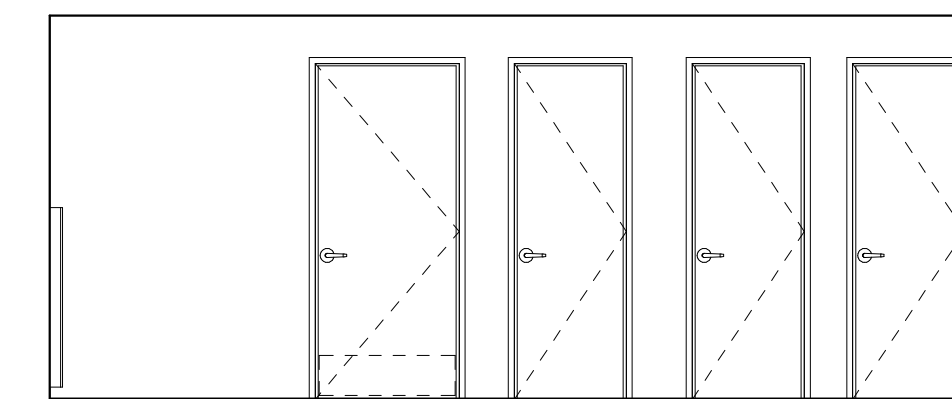
4 TOILET ROOM - N  
1/4" = 1'-0"



5 Restroom 113 - N2  
1/4" = 1'-0"



6 Restroom 113 - E2  
1/4" = 1'-0"



7 Restroom 113 - W2  
1/4" = 1'-0"

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PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

ENLARGED TOILET ROOM PLANS AND ELEVATIONS

SCALE: As indicated

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## SHEET NOTES

- A. FOR TOILET ACCESSORIES, SEE SPECIFICATIONS FOR MORE INFORMATION.
- B. FOR PLUMBING FIXTURES, SPD.
- C. FOR ADDITIONAL INFORMATION ON FINISHES, REFER TO SHEETS A230 AND A240.
- D. REFER TO SHEET G130 FOR MOUNTING HEIGHT FOR ALL RESTROOM FIXTURES AND ACCESSORIES.

## KEYNOTES

- 08.83 MIRROR
- 09.16 WALL TILE, SEE ELEVATIONS FOR TYPE
- 09.17 METAL TRIM, SEE FINISH SCHEDULE
- 09.18 USE TILE WITH FINISHED EDGE
- 10.45 SURFACE MOUNT SANITARY NAPKIN DISPOSAL
- 10.46 SURFACE MOUNT TOILET PAPER DISPENSER
- 10.47 SEMI RECESSED COMBINATION PAPER TOWEL AND WASTE RECEPTACLE
- 10.49 GRAB BAR, 42" MIN AT REAR WALL & 48" MIN AT SIDE WALL
- 10.60 VERTICAL RECESSED MOUNT BABY CHANGING STATION
- 22.11 FLOOR DRAIN
- 22.21 TOILET WITH MANUAL FLUSH, REFER TO PLUMBING DWGS FOR ADDITIONAL INFORMATION

## LEGEND

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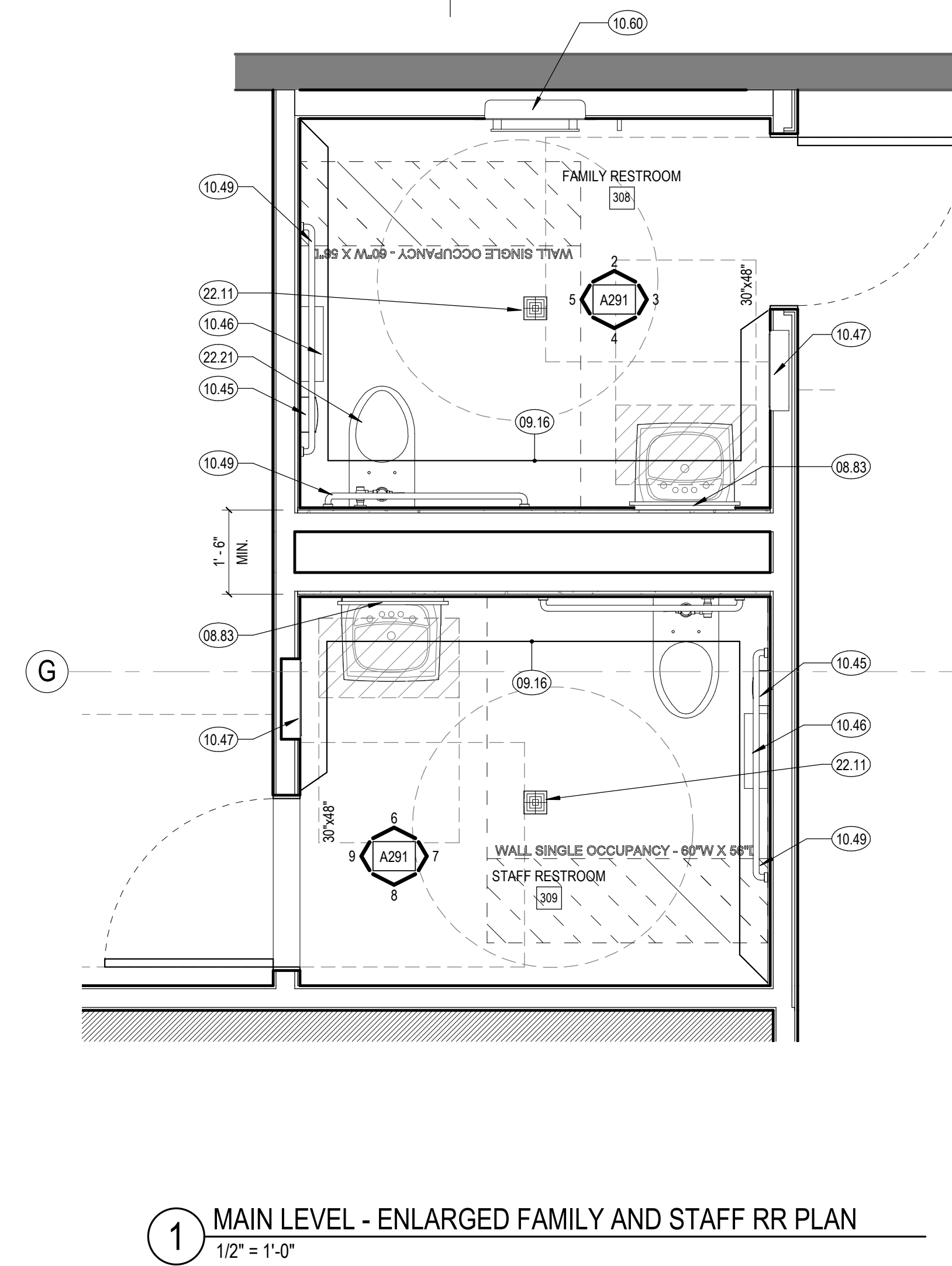
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**ENLARGED TOILET  
ROOM PLANS AND  
ELEVATIONS**

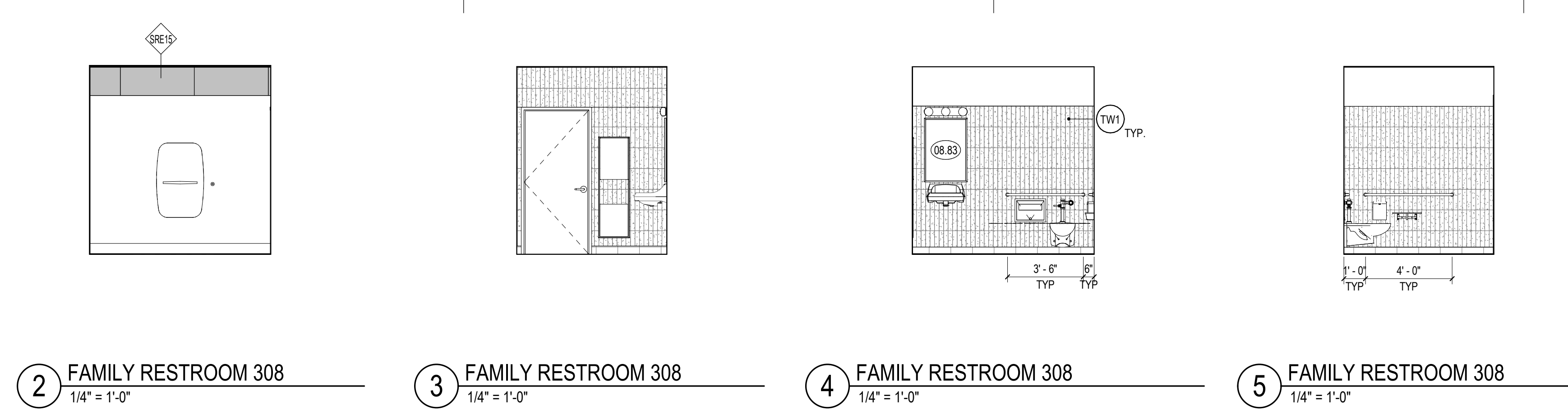
SCALE: As indicated

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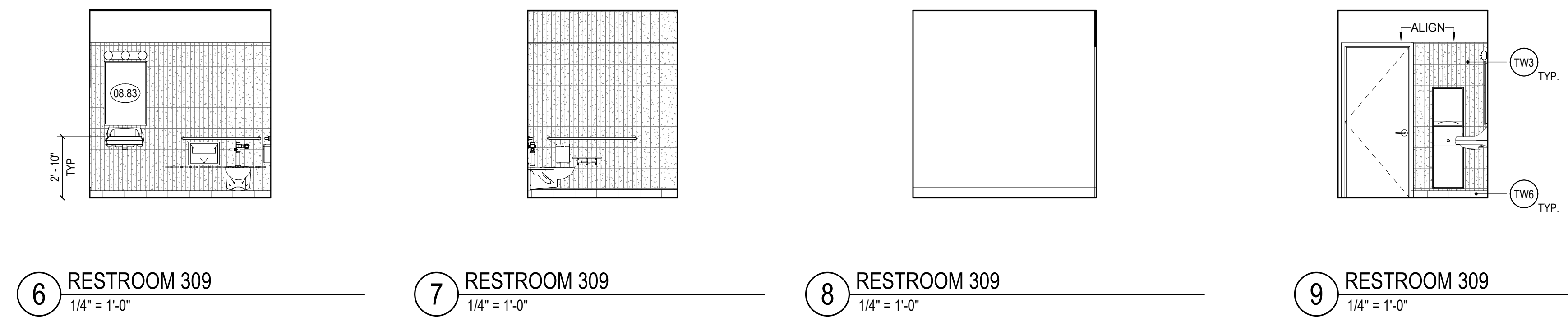
A291



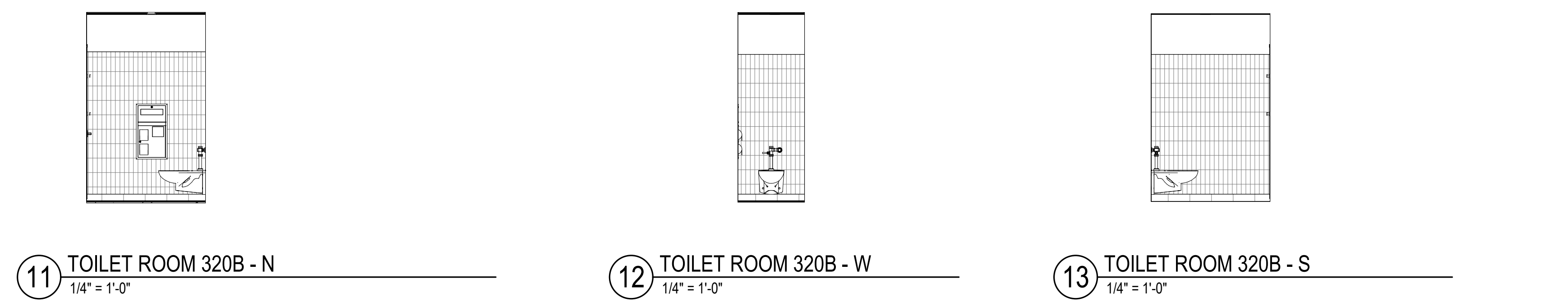
1 MAIN LEVEL - ENLARGED FAMILY AND STAFF RR PLAN  
1/2" = 1'-0"



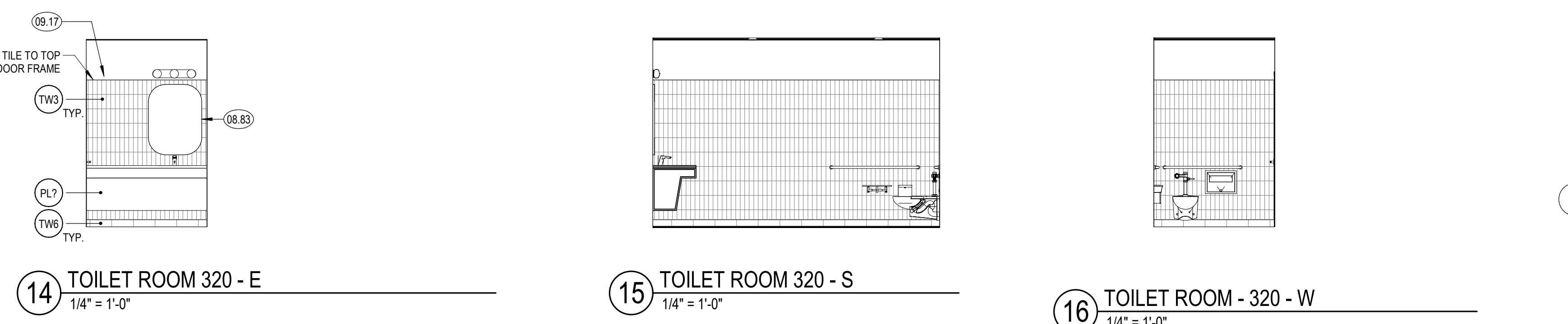
2 FAMILY RESTROOM 308 1/4" = 1'-0"  
3 FAMILY RESTROOM 308 1/4" = 1'-0"  
4 FAMILY RESTROOM 308 1/4" = 1'-0"  
5 FAMILY RESTROOM 308 1/4" = 1'-0"



6 RESTROOM 309 1/4" = 1'-0"  
7 RESTROOM 309 1/4" = 1'-0"  
8 RESTROOM 309 1/4" = 1'-0"  
9 RESTROOM 309 1/4" = 1'-0"



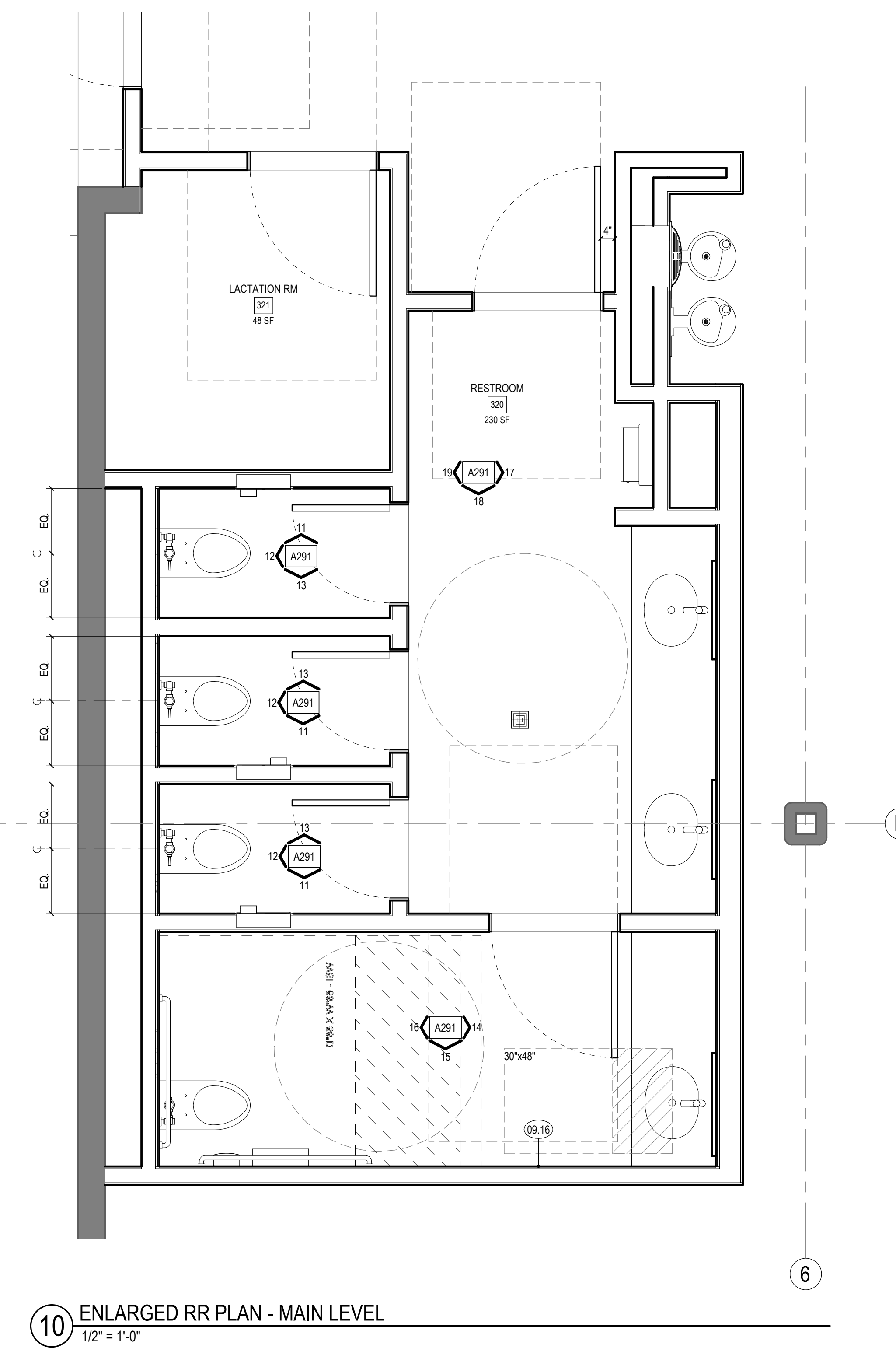
11 TOILET ROOM 320B - N 1/4" = 1'-0"  
12 TOILET ROOM 320B - W 1/4" = 1'-0"  
13 TOILET ROOM 320B - S 1/4" = 1'-0"



14 TOILET ROOM 320 - E 1/4" = 1'-0"  
15 TOILET ROOM 320 - S 1/4" = 1'-0"  
16 TOILET ROOM - 320 - W 1/4" = 1'-0"



17 WOMEN'S TOILET 323 1/4" = 1'-0"  
18 WOMEN'S TOILET 323 1/4" = 1'-0"  
19 WOMEN'S TOILET 323 1/4" = 1'-0"



10 ENLARGED RR PLAN - MAIN LEVEL  
1/2" = 1'-0"

SHEET NOTES

KEYNOTES

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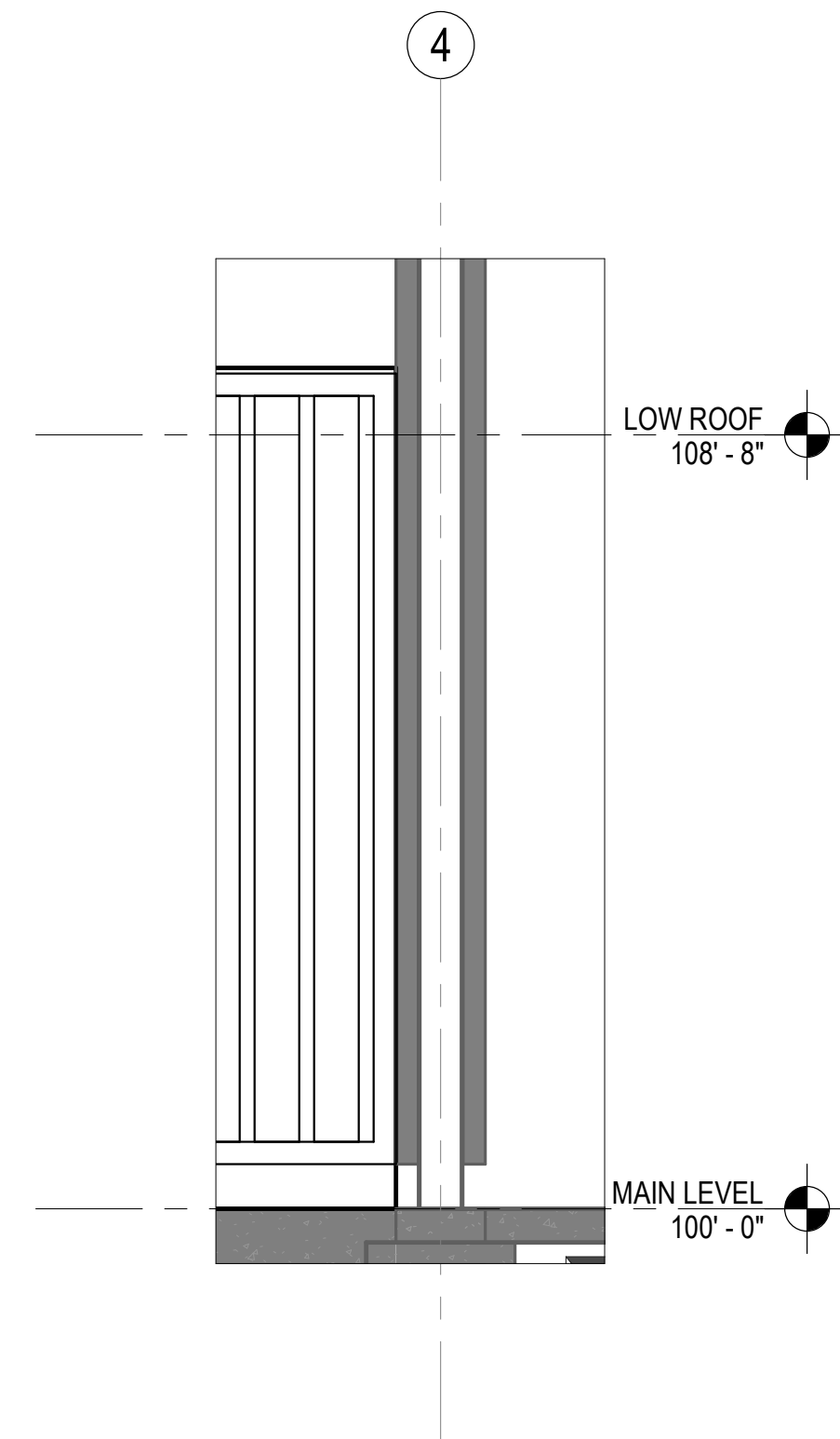
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**ENLARGED PLANS**

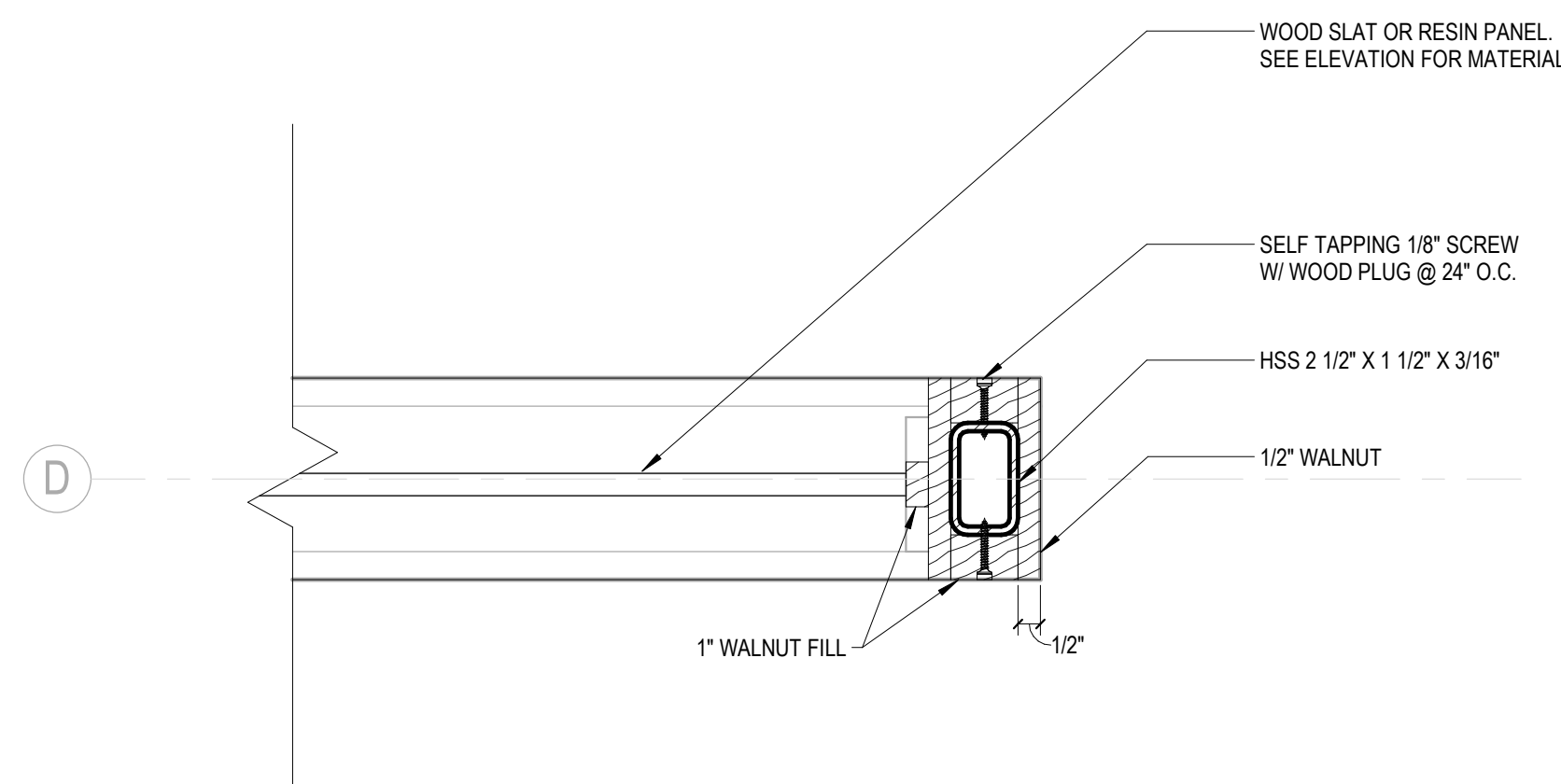
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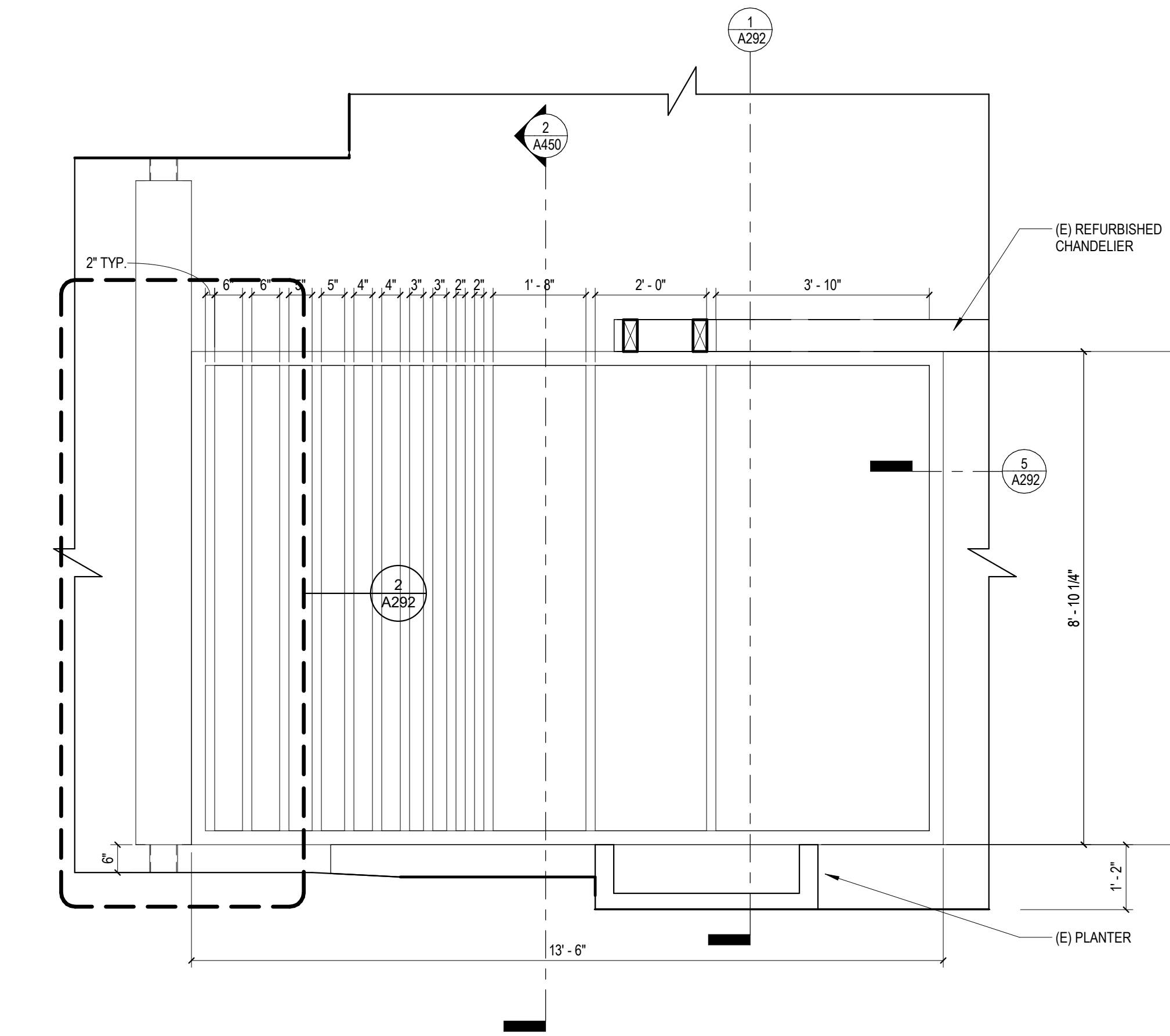
A292



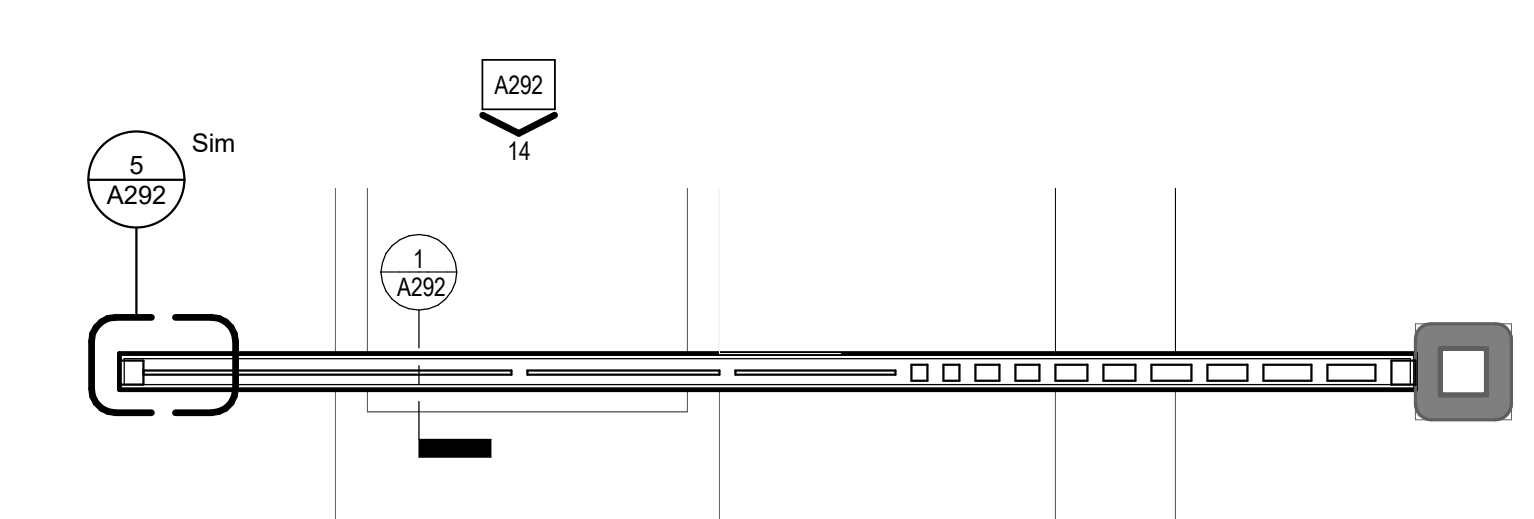
**2** Section 92  
1/2" = 1'-0"



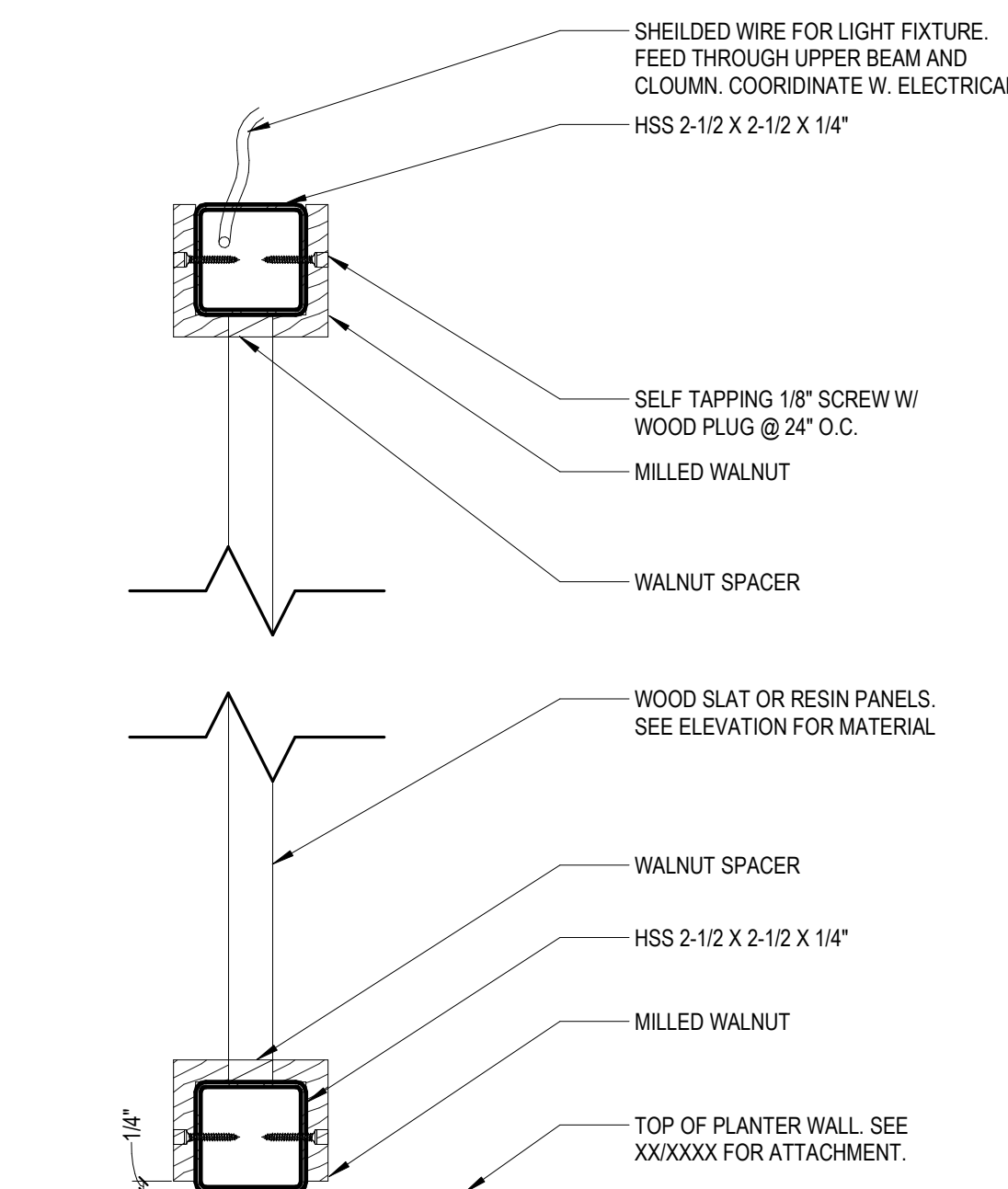
**5** LIVING ROOM ELEMENT - EDGE DETAIL  
3" = 1'-0"



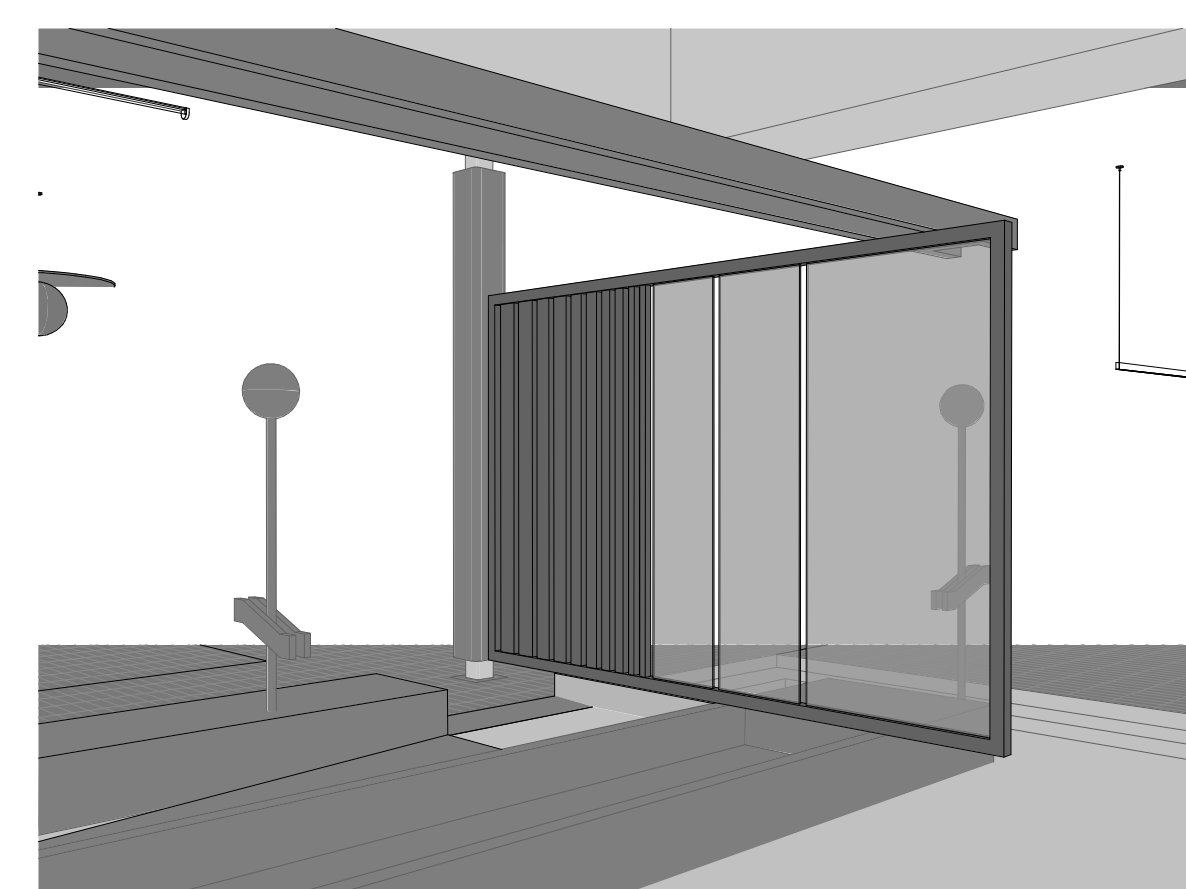
**14** LIVING ROOM ELEMENT - ELEVATION - S  
1/2" = 1'-0"



**6** LIVING ROOM ELEMENT - ENLARGED PLAN  
1/2" = 1'-0"

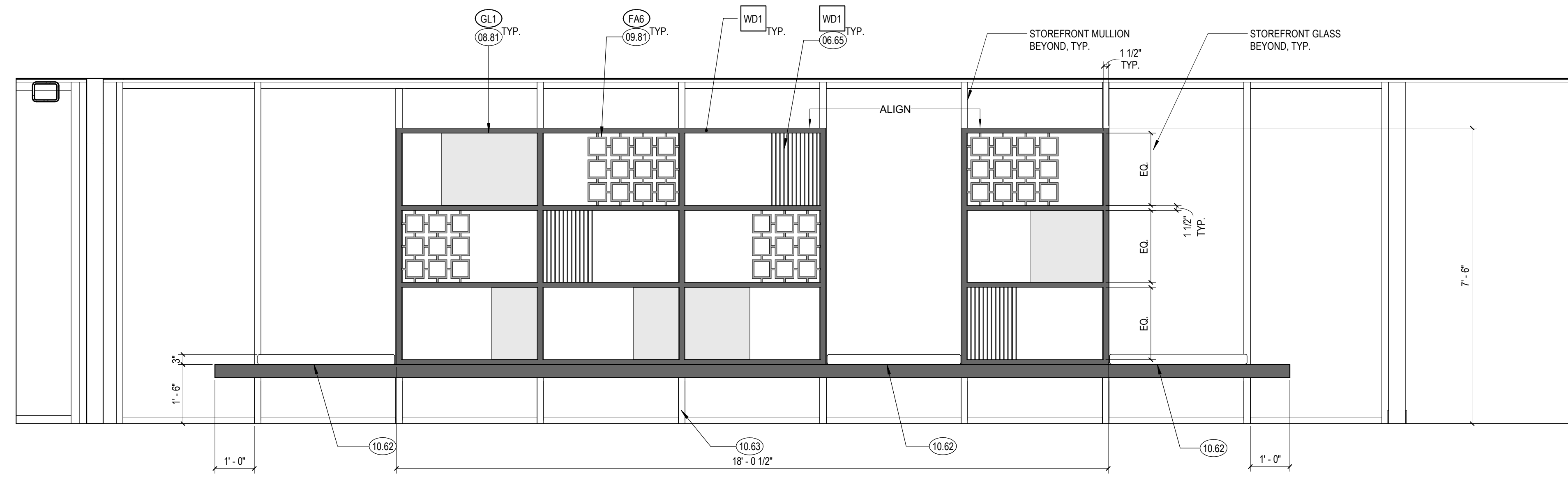


**1** LIVING ROOM ELEMENT - SECTION  
3" = 1'-0"

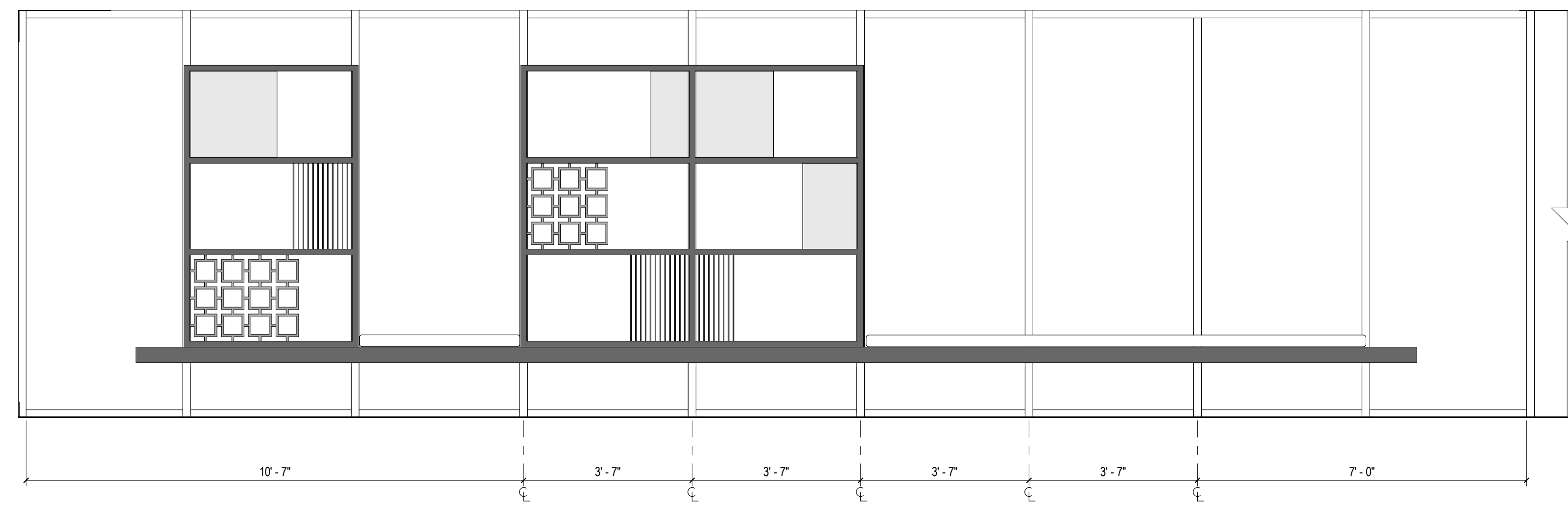


**18** LIVING ROOM ELEMENT (FOR REFERENCE ONLY)

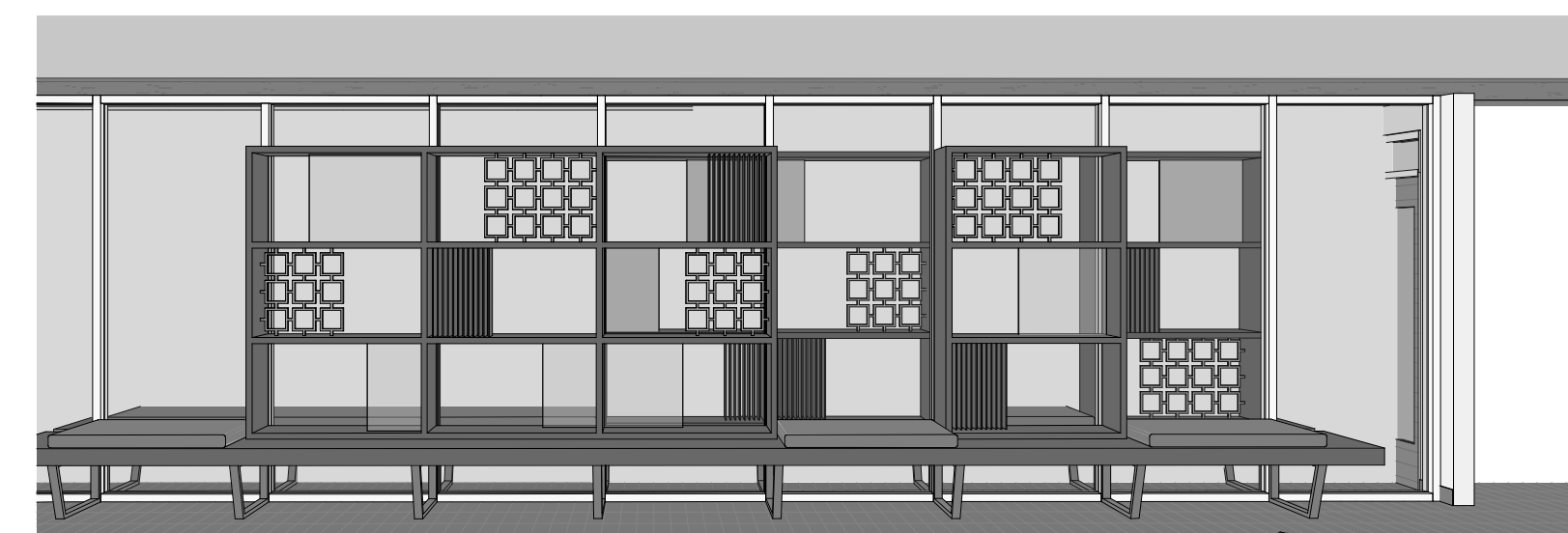




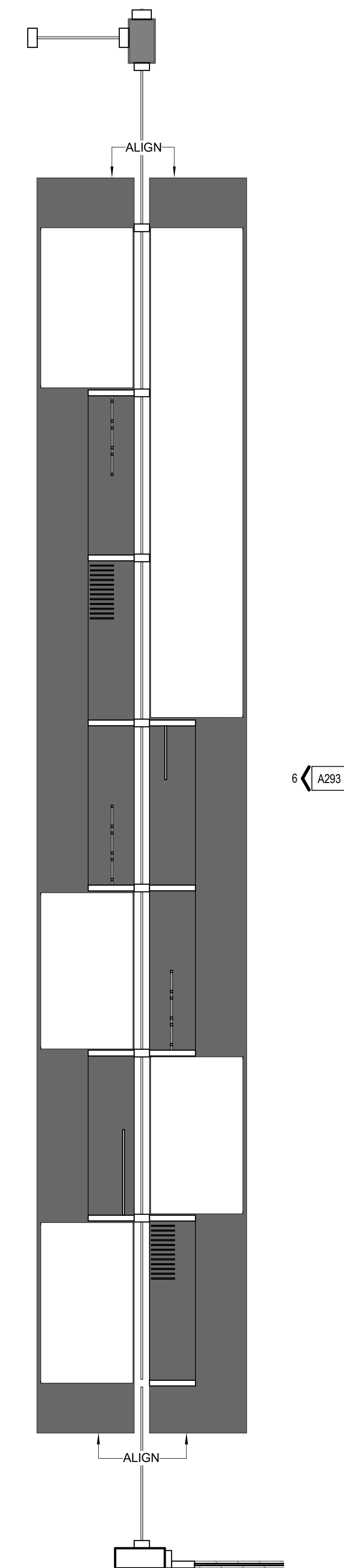
5 TEEN CASEWORK WALL - ELEVATION - E  
1/2" = 1'-0"



6 TEEN CASEWORK WALL - ELEVATION - W  
1/2" = 1'-0"



12 TEEN CASEWORK WALL - 3D VIEW (FOR REFERENCE ONLY)



4 TEEN CASEWORK WALL - ENLARGED PLAN  
1/2" = 1'-0"

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ENLARGED PLANS

SCALE: 1/2" = 1'-0"

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SHEET NOTES

KEYNOTES

- 06.62 3-DIMENSIONAL LETTERING ON DISPLAY CASE
- 06.63 PLEXIGLASS COVER OVER DISPLAY CASE
- 06.64 FABRIC-COVERED TACK PANEL

LEGEND

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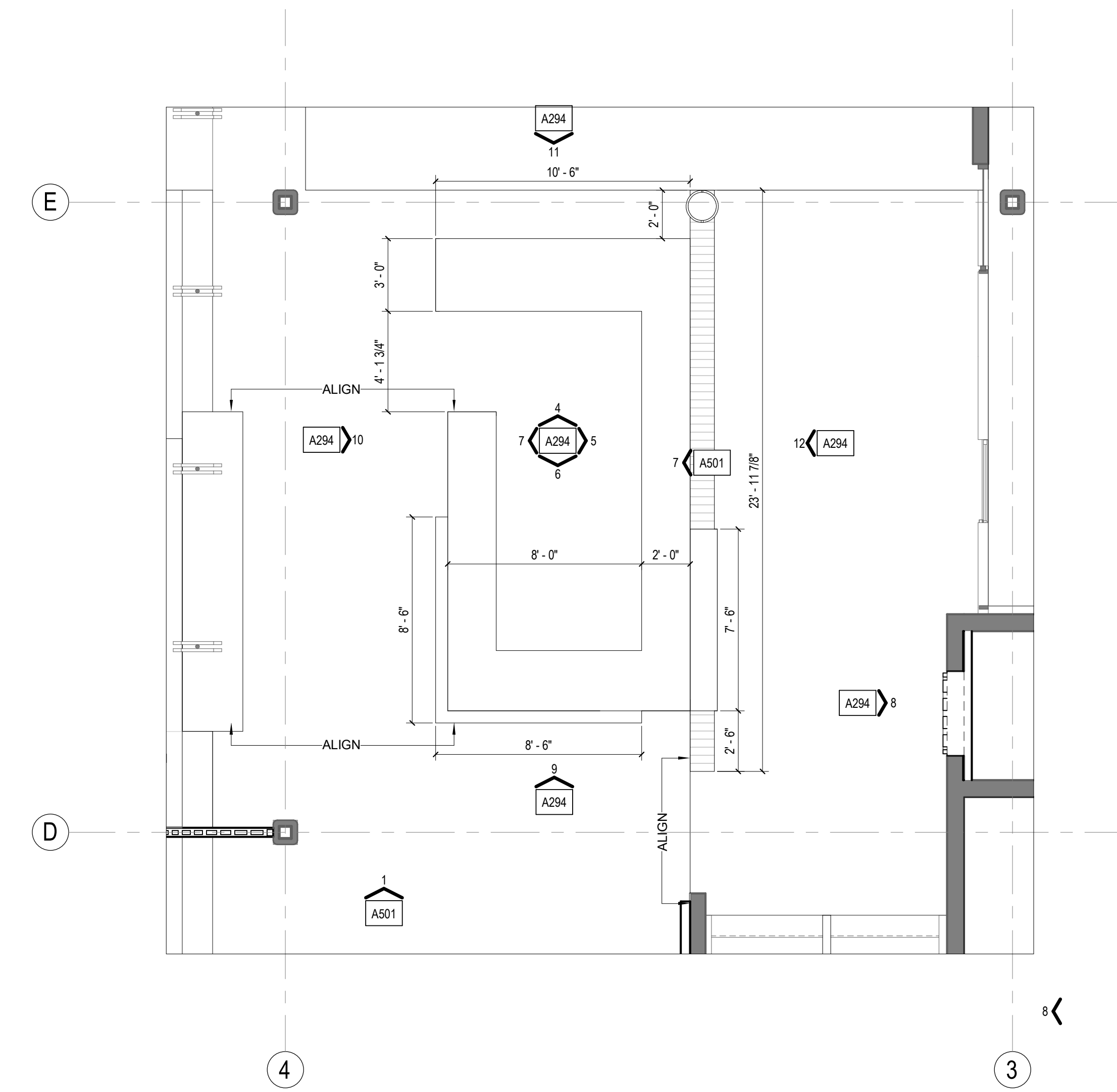
SHEET TITLE:

**ENLARGED PLANS**

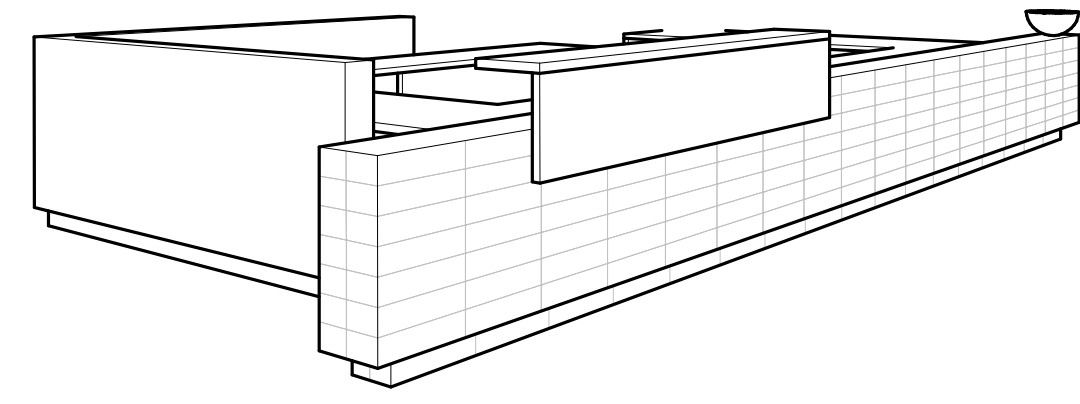
SCALE: 1/4" = 1'-0"

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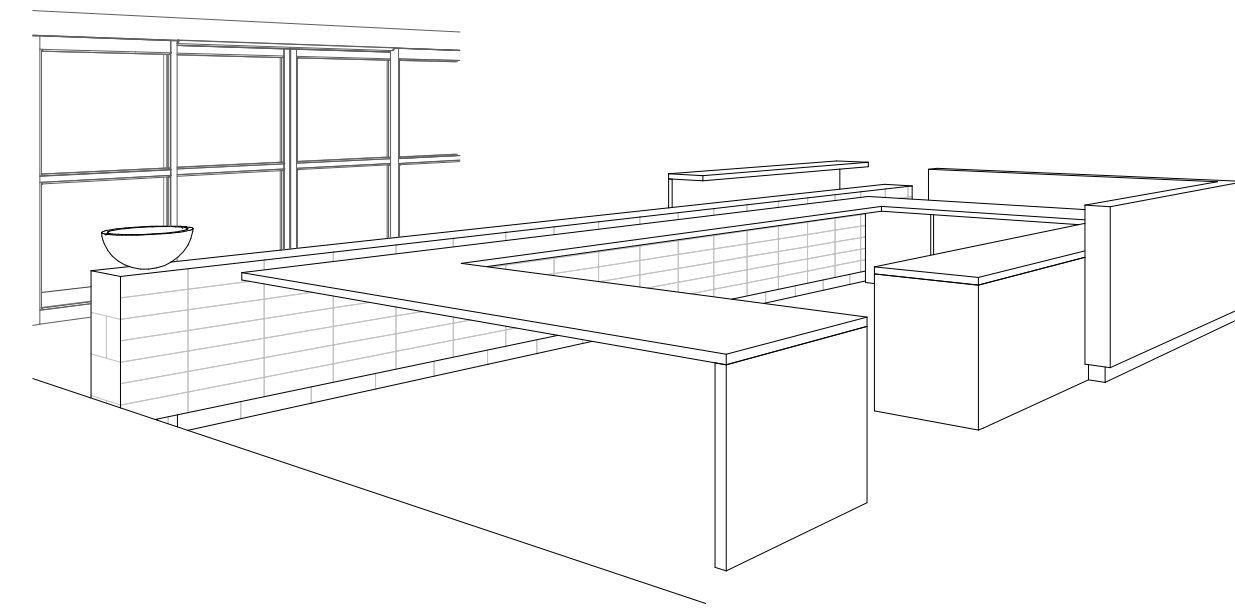
A294



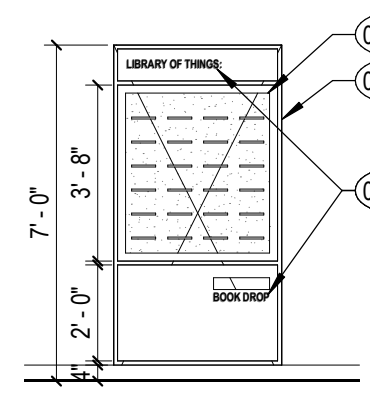
1 ENLARGED FLOOR PLAN - RECEPTION DESK  
1/4" = 1'-0"



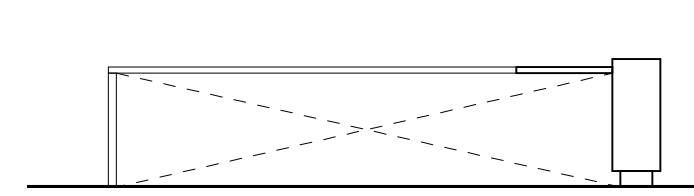
2 SERVICE DESK - FOR REFERENCE ONLY



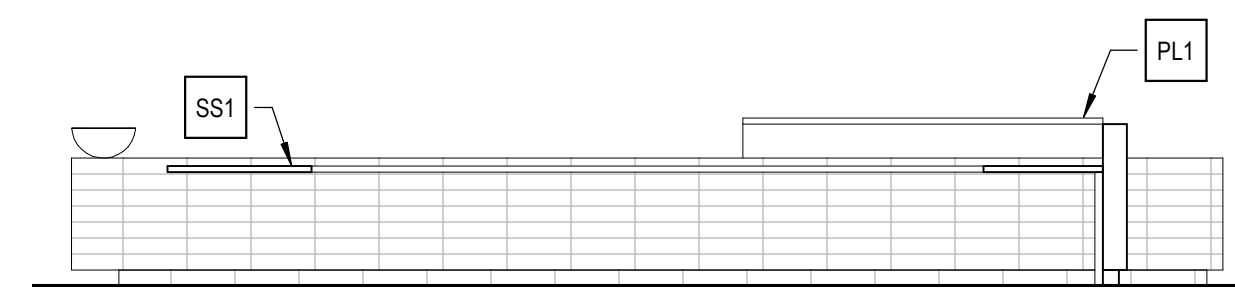
3 SERVICE DESK - FOR REFERENCE ONLY



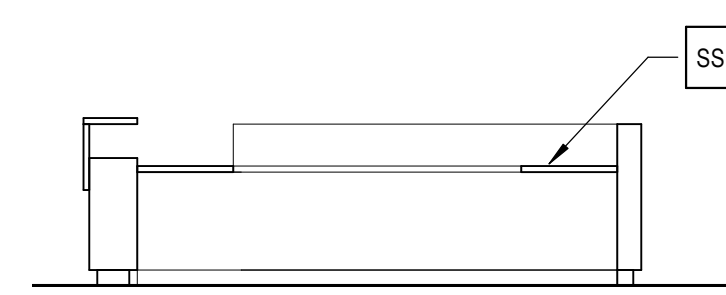
8 LIBRARY OF THINGS DISPLAY  
1/4" = 1'-0"



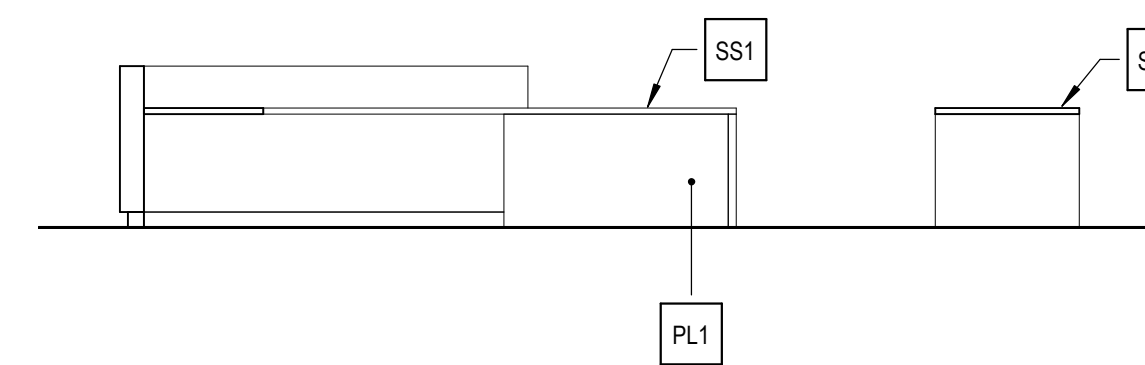
4 SERVICE DESK INTERIOR  
1/4" = 1'-0"



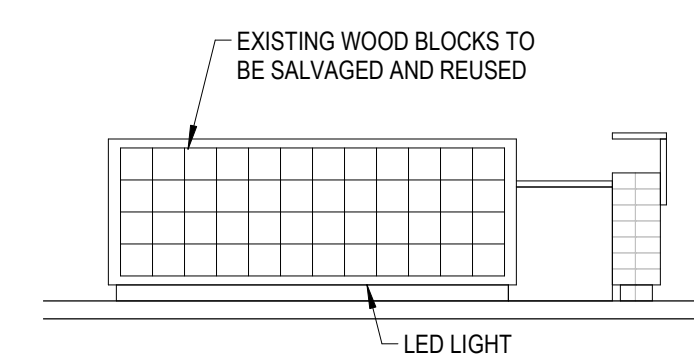
5 SERVICE DESK INTERIOR  
1/4" = 1'-0"



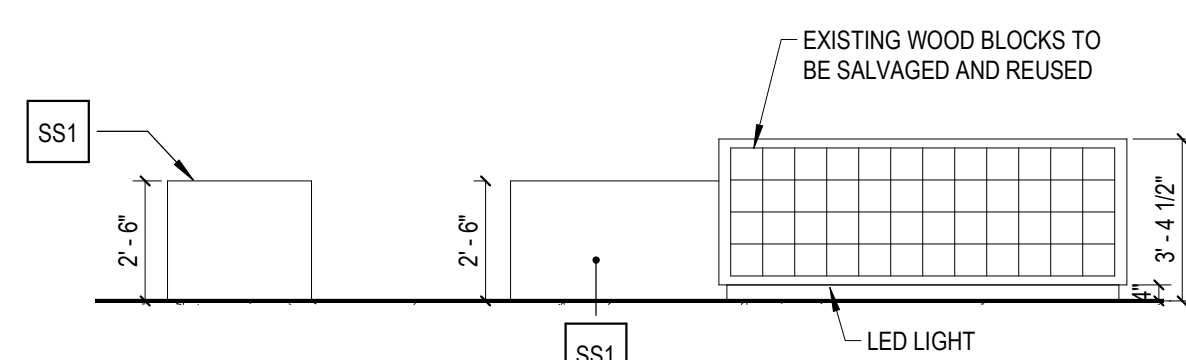
6 SERVICE DESK INTERIOR  
1/4" = 1'-0"



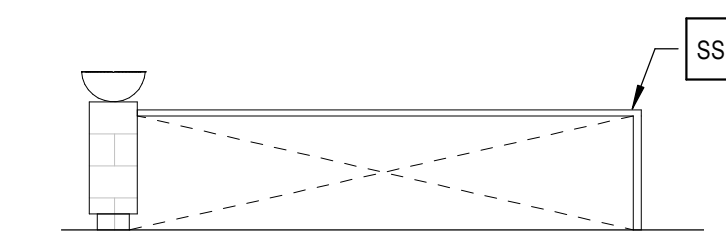
7 SERVICE DESK INTERIOR  
1/4" = 1'-0"



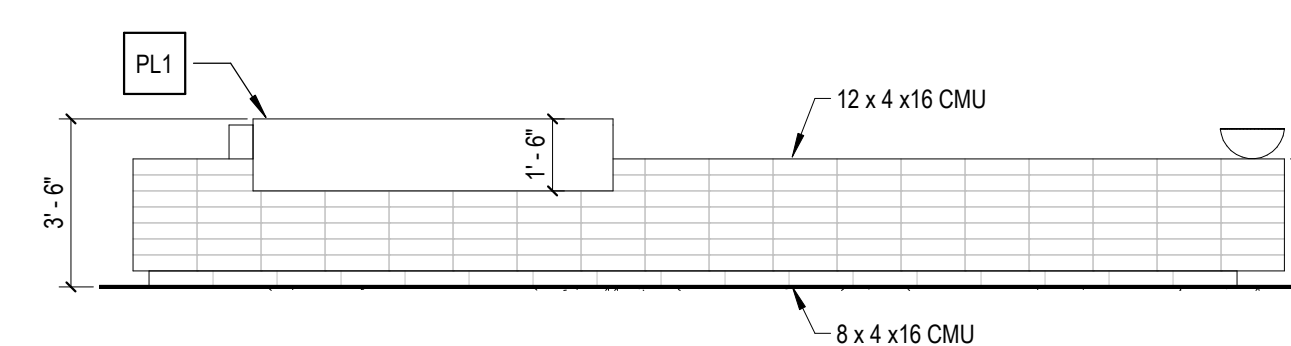
9 SERVICE DESK EXTERIOR  
1/4" = 1'-0"



10 SERVICE DESK EXTERIOR  
1/4" = 1'-0"



11 SERVICE DESK EXTERIOR  
1/4" = 1'-0"



12 SERVICE DESK EXTERIOR  
1/4" = 1'-0"



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ARCHITECTS  
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408.298.1885 | www.aba-arch.com  
409 Harvard Avenue, Suite 201  
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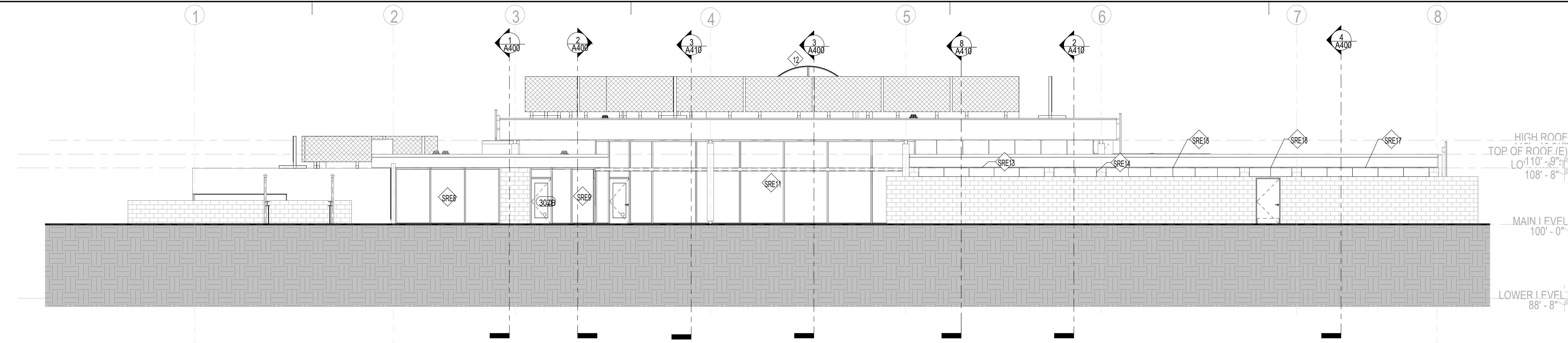
**SHEET NOTES**

- A. PROVIDE ANTI-GRAFFITI COATING TO ALL ABOVE GRADE EXPOSED CONCRETE, OR PAINTED CEMENT PLASTER. ALIGN TERMINATION OF COATING UNIFORMLY TO NEAREST HORIZONTAL CLADDING JOINT, CHANGE IN PLANE, OR TRANSITION NOT LESS THAN 8'-0" A.F.F., U.N.O.
- B. ALL EXPOSED STRUCTURAL STEEL SHALL RECEIVE FIELD-APPLIED HIGH PERFORMANCE COATING. COLOR TO BE SELECTED BY ARCHITECT. SEE SPECIFICATIONS.
- C. ALL EXISTING WINDOWS, CASINGS, AND TRIMS TO BE DEMOLISHED AND REPLACED TO MATCH EXISTING, U.N.O.
- D. FOR LOCATION OF CMU WALLS, SEE LEGEND. ALL OTHER EXTERIOR WALLS ARE CEMENT PLASTER.

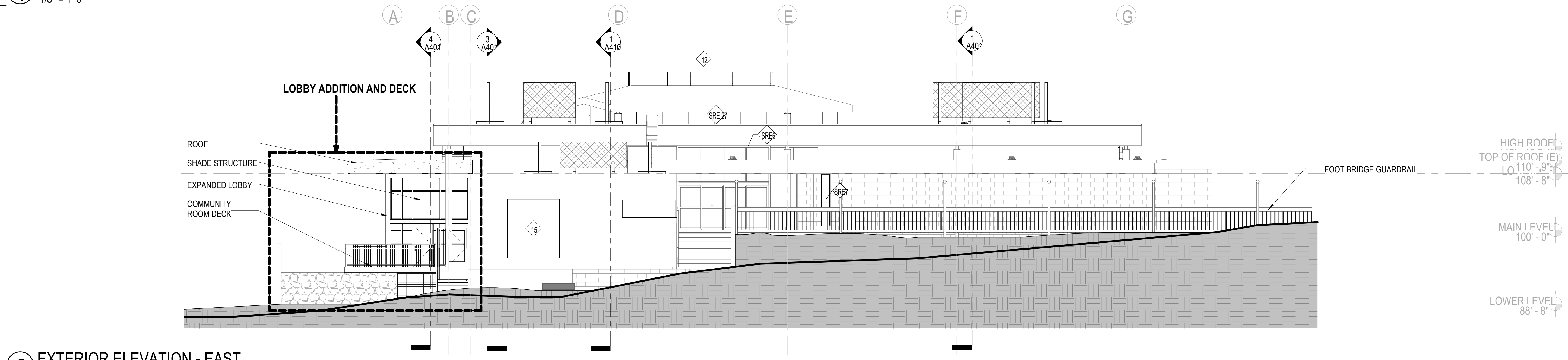
**KEYNOTES**

**LEGEND**

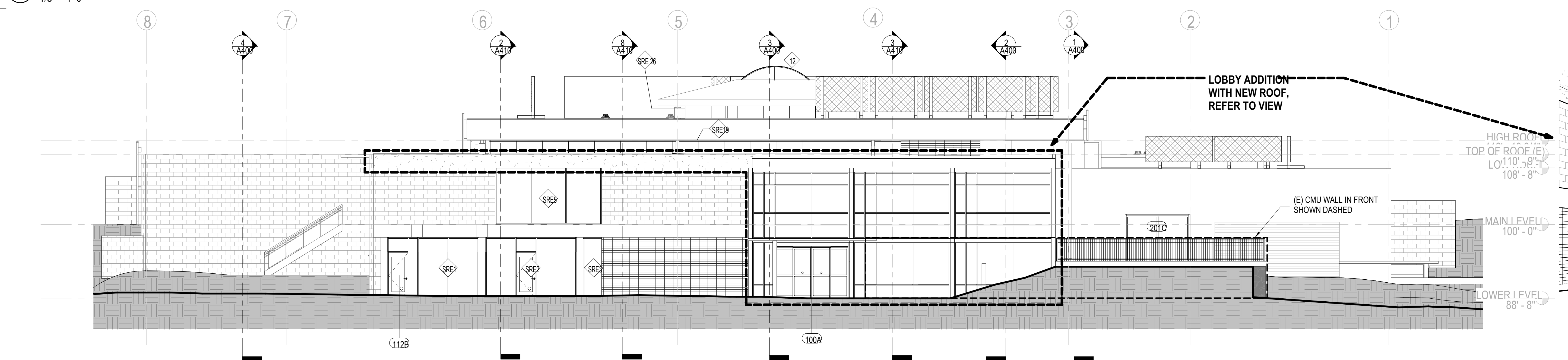
- ### DOOR TAG
- E## EXISTING (E) DOOR TO REMAIN
- S# WINDOW TAG
- SRE# STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND
- (E) CMU
- 4X8X16 CMU IN STACKED BOND



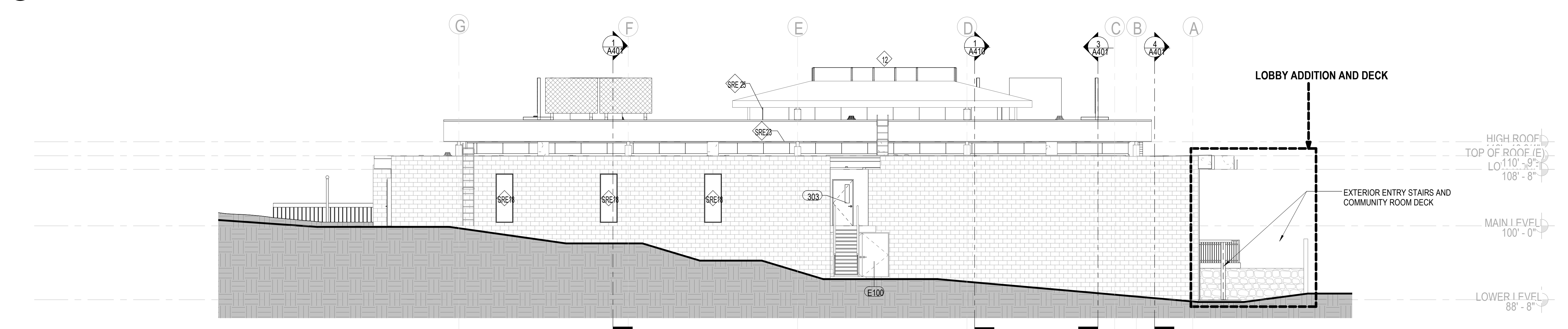
1 EXTERIOR ELEVATION - NORTH  
1/8" = 1'-0"



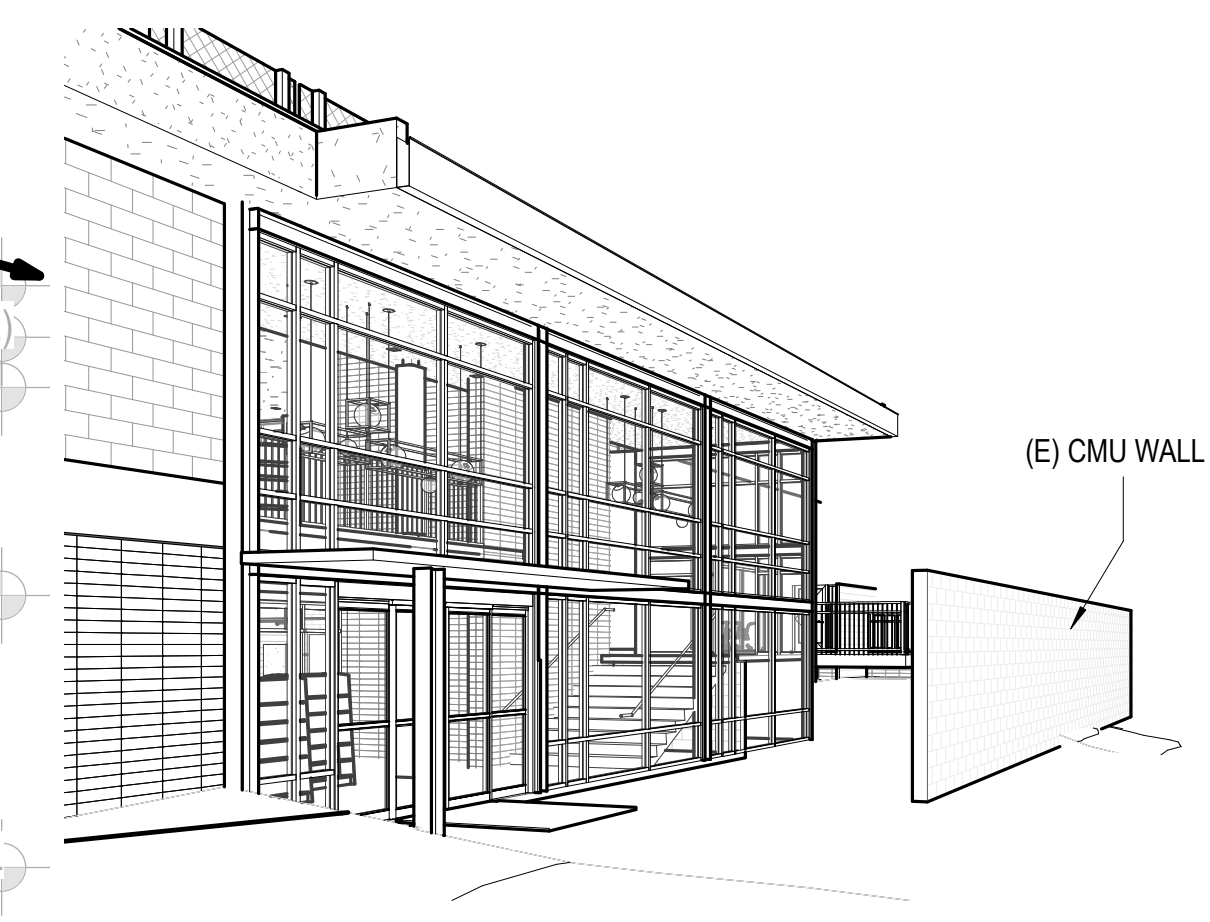
2 EXTERIOR ELEVATION - EAST  
1/8" = 1'-0"



3 EXTERIOR ELEVATION - SOUTH  
1/8" = 1'-0"



4 EXTERIOR ELEVATION - WEST  
1/8" = 1'-0"



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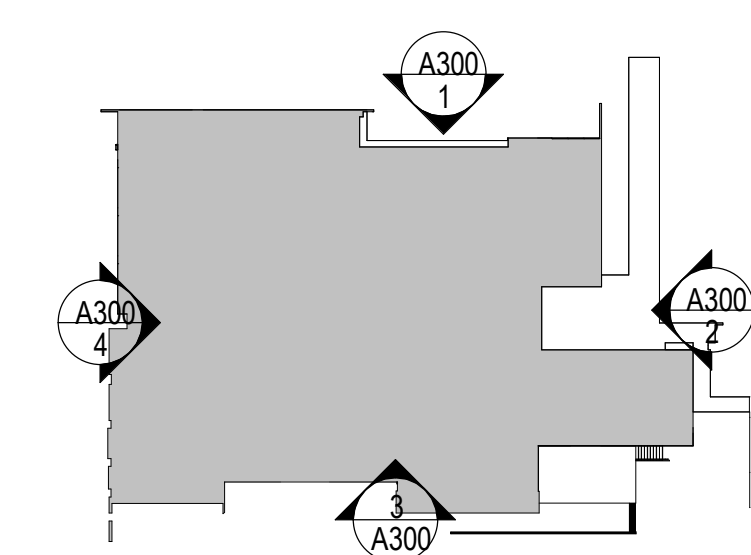
**EXTERIOR ELEVATIONS**

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**KEY PLAN**



**SHEET NOTES**

- A. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO WORK
- B. PROVIDE ACCESS PANELS AS REQUIRED PER APPLICABLE CODES FOR MAINTENANCE ACCESS TO INSTALLED MEP EQUIPMENT. PROVIDE STAINLESS STEEL ACCESS PANELS AT CERAMIC TILE LOCATIONS. COORDINATE TYPES AND LOCATIONS OF WALL ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- C. BLOCKING OR BACKING SHALL BE PROVIDED IN PARTITIONS AS REQUIRED FOR WALL ATTACHED ITEMS. SEE DETAIL XXX FOR BACKING SCHEDULE FOR CABINETRY, SHELVING, MARKER BOARDS, CHAIR RAILS, GRAB BARS, SHOWER SEATS, HANDRAILS, FIXTURES, EQUIPMENT, FURNISHINGS AND OTHER ITEMS AS REQUIRED.
- D. MATCH EXISTING STUD DIMENSION WHERE NEW PARTITION FRAMING ALIGNS WITH EXISTING PARTITION. STUD SIZE INDICATED IN WALL TYPE NEEDS TO BE VERIFIED AT THESE CONDITIONS.
- E. NEW WALLS ARE DIMENSIONED TO FACE OF STUD
- F. ADJACENT IN-LINE PARTITIONS OF DIFFERENT TYPES SHALL BE CONSTRUCTED SUCH THAT EXPOSED FINISH SURFACES ARE FLUSH AND CONTINUOUS.
- G. REPETITIVE FEATURES ARE NOT DRAWN TO THEIR ENTIRETY AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
- H. PATCH AND REPAIR EXISTING WALLS WHERE DAMAGED DUE TO REMOVAL OF WOOD TRIM, HANDRAILS, AND OTHER ITEMS.
- I. ALIGN NEW WALLS TO EXISTING STRUCTURAL GRID COLUMNS. V.I.F.

**KEYNOTES**

CONSULTANTS LOGO

STAMP

**NOT FOR CONSTRUCTION**

NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

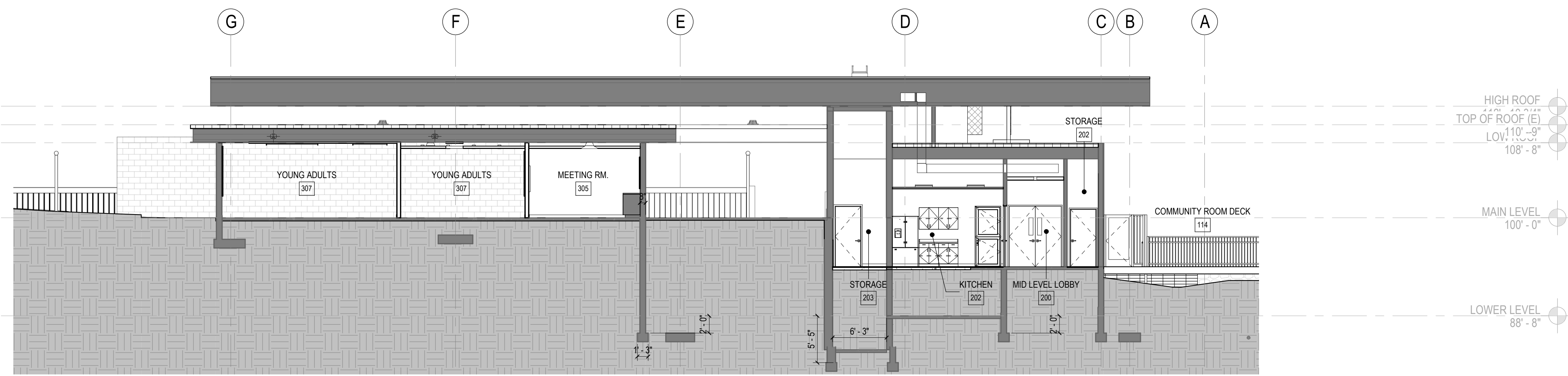
SHEET TITLE:

**BUILDING SECTIONS**

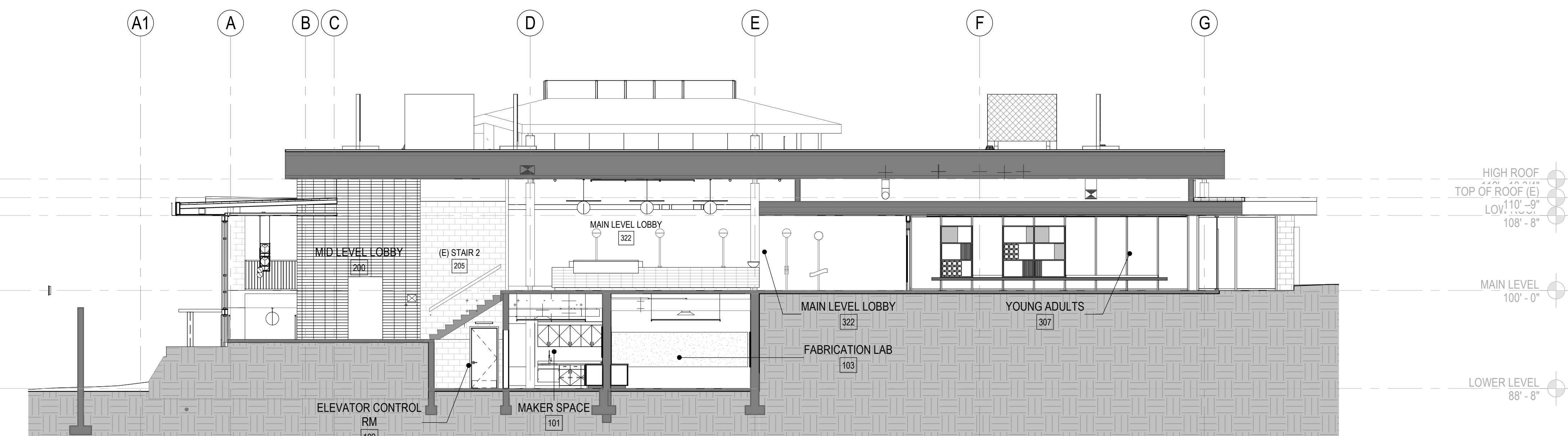
SCALE: 1/8" = 1'-0"

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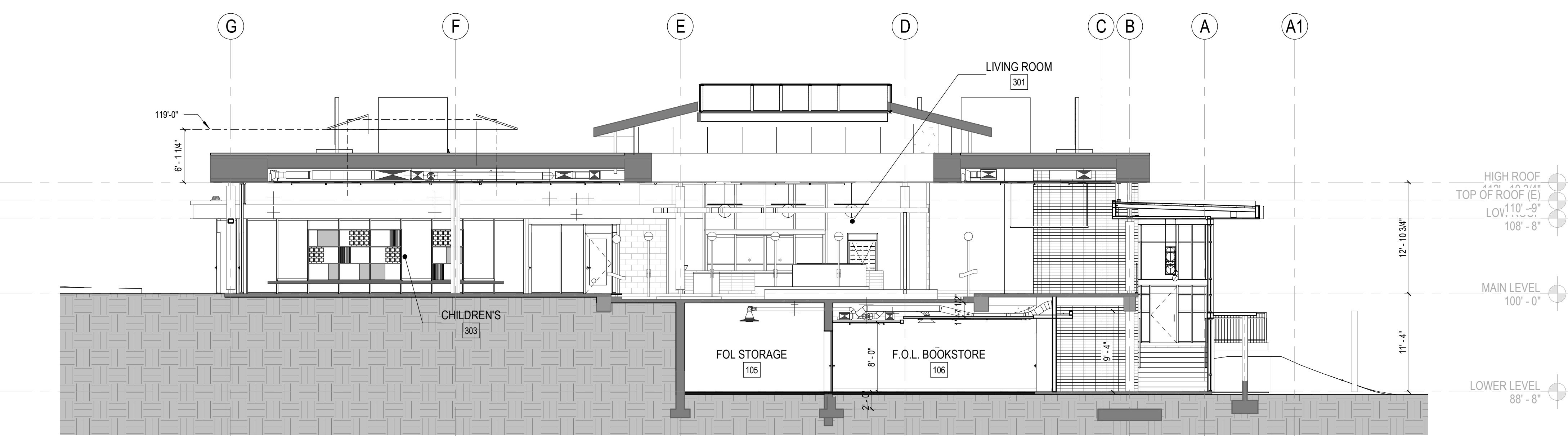
A400



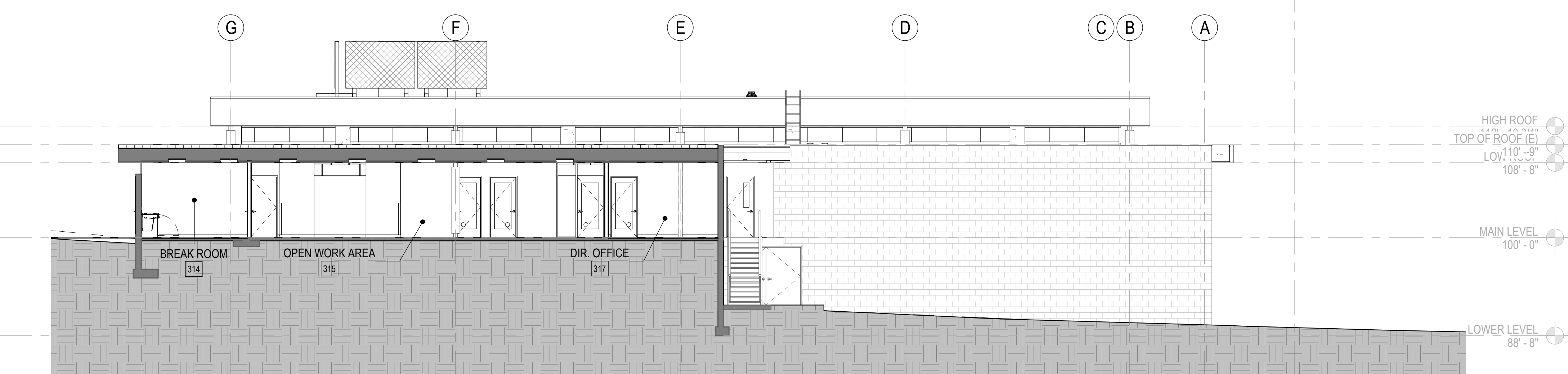
**1** BUILDING SECTION 1, NORTH - SOUTH  
1/8" = 1'-0"



**2** BUILDING SECTION 2, NORTH - SOUTH  
1/8" = 1'-0"



**3** BUILDING SECTION 3, NORTH-SOUTH  
1/8" = 1'-0"



**4** BUILDING SECTION 4, NORTH-SOUTH  
1/8" = 1'-0"

- LEGEND**
- PARTITION, FLOOR, OR ROOF SEE PARTITION TYPES ON SHEET A800
  - EXISTING (E) WALL, FLOOR, OR ROOF TO REMAIN
  - WALL TAG
  - DOOR TAG
  - EXISTING (E) DOOR TO REMAIN
  - WINDOW TAG
  - STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND
  - CMU

### SHEET NOTES

- A. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO WORK.
- B. PROVIDE ACCESS PANELS AS REQUIRED PER APPLICABLE CODES FOR MAINTENANCE ACCESS TO INSTALLED MEP EQUIPMENT. PROVIDE STAINLESS STEEL ACCESS PANELS AT CERAMIC TILE LOCATIONS. COORDINATE TYPES AND LOCATIONS OF WALL ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- C. BLOCKING OR BACKING SHALL BE PROVIDED IN PARTITIONS AS REQUIRED FOR WALL ATTACHED ITEMS. SEE DETAIL XXX FOR BACKING SCHEDULE FOR CABINETRY, SHELVING, MARKER BOARDS, CHAIR RAILS, GRAB BARS, SHOWER SEATS, HANDRAILS, FIXTURES, EQUIPMENT, FURNISHINGS AND OTHER ITEMS AS REQUIRED.
- D. MATCH EXISTING STUD DIMENSION WHERE NEW PARTITION FRAMING ALIGNS WITH EXISTING PARTITION. STUD SIZE INDICATED IN WALL TYPE NEEDS TO BE VERIFIED AT THESE CONDITIONS.
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- I. ALIGN NEW WALLS TO EXISTING STRUCTURAL GRID COLUMNS. V.I.F.

### KEYNOTES

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PROJECT TITLE:

**ALTADENA MAIN  
LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

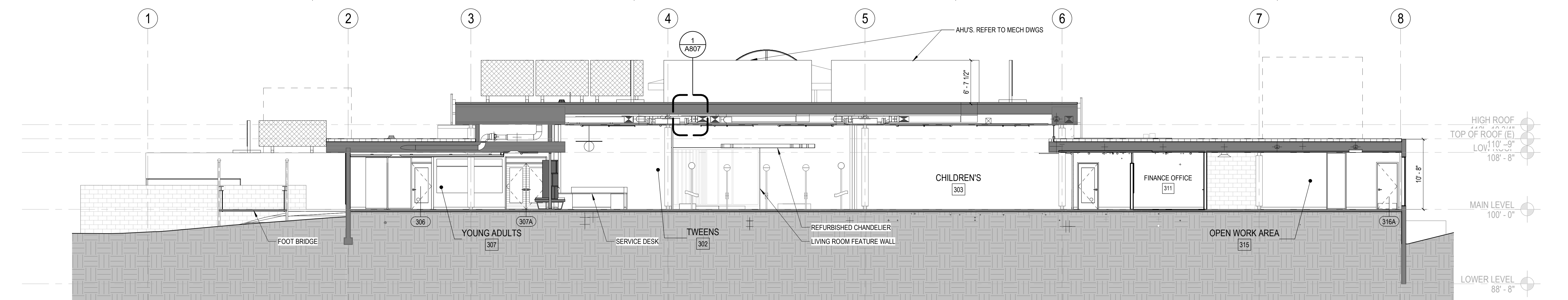
SHEET TITLE:

**BUILDING  
SECTIONS**

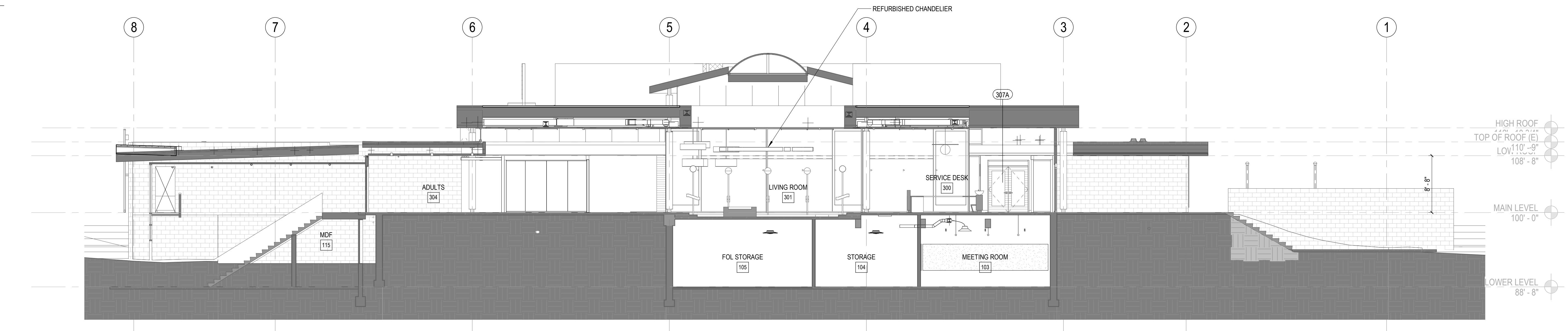
SCALE: 1/8" = 1'-0"

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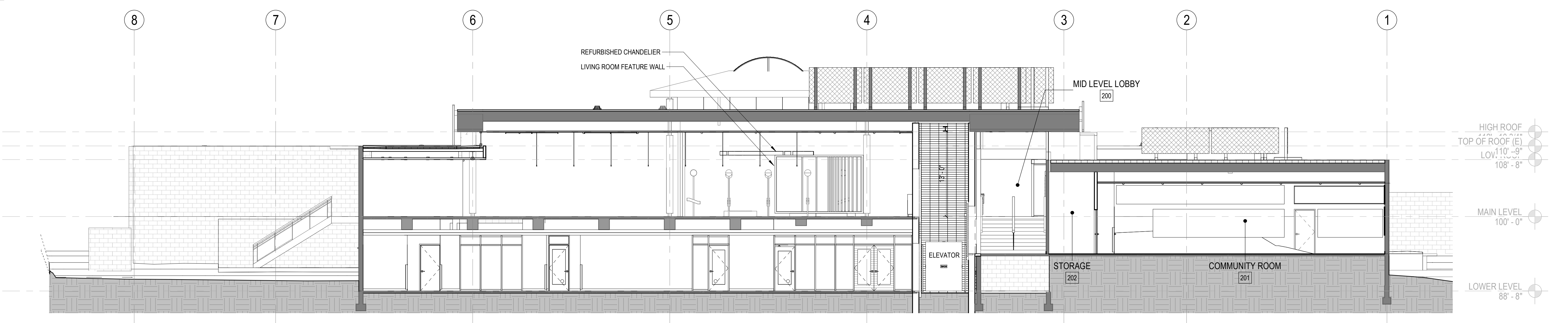
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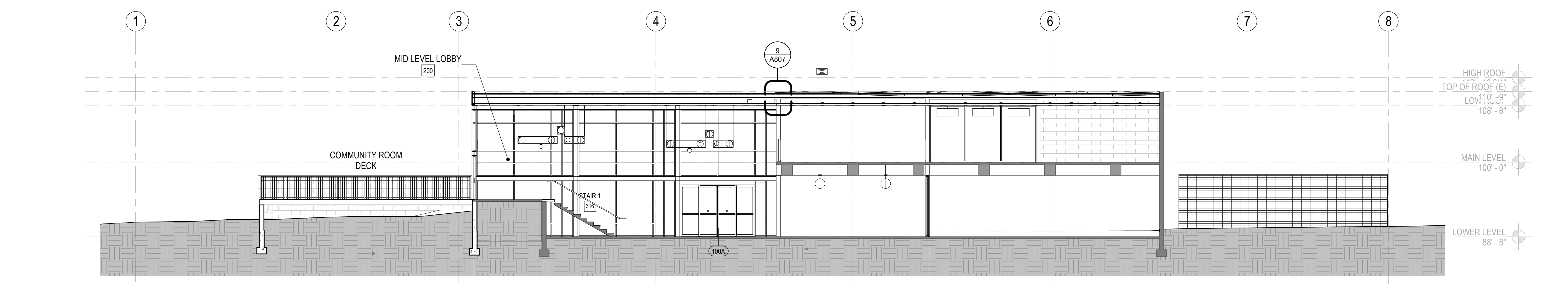
**1 BUILDING SECTION 1, EAST-WEST**  
1/8" = 1'-0"



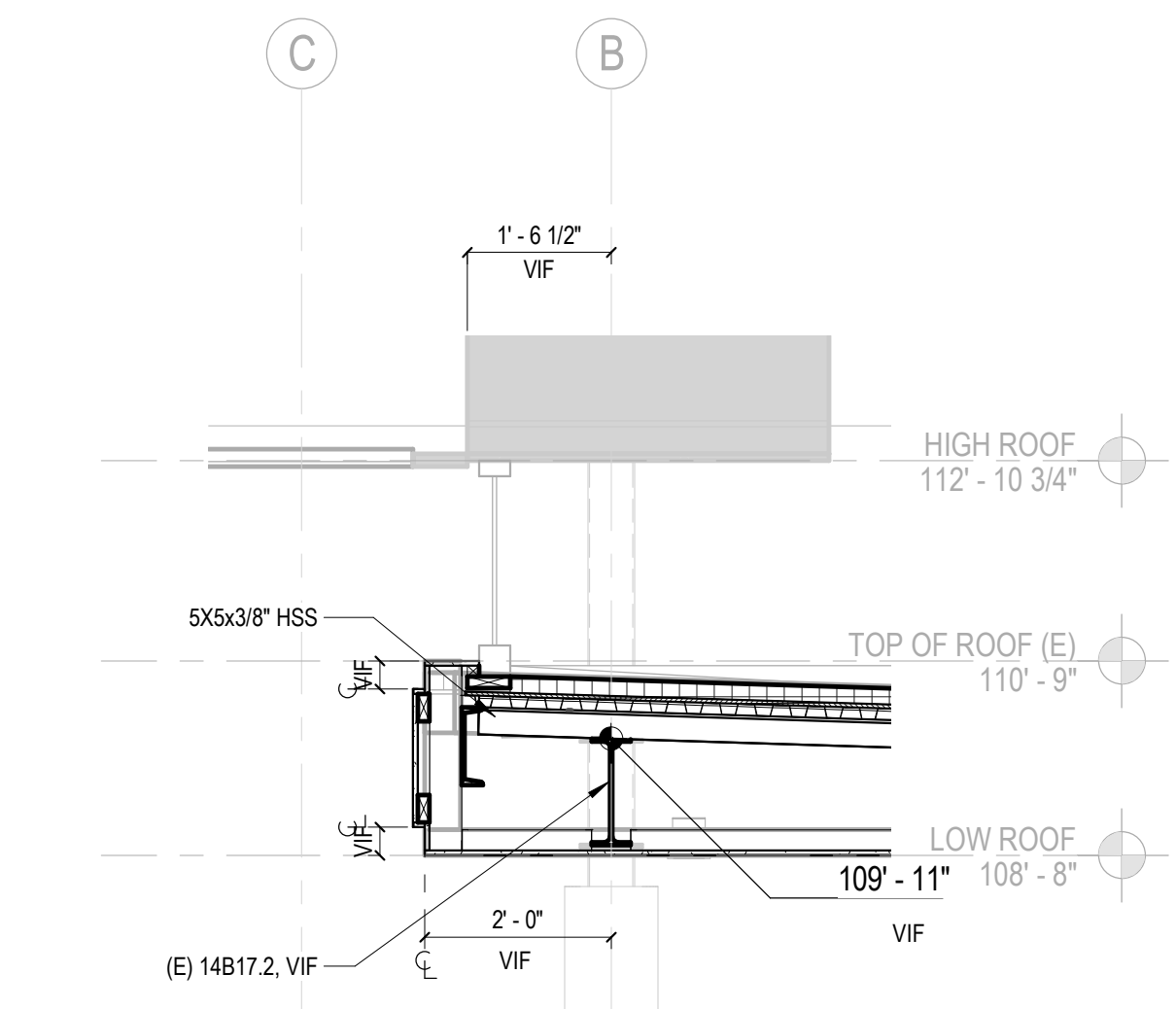
**2 BUILDING SECTION 2, EAST - WEST**  
1/8" = 1'-0"



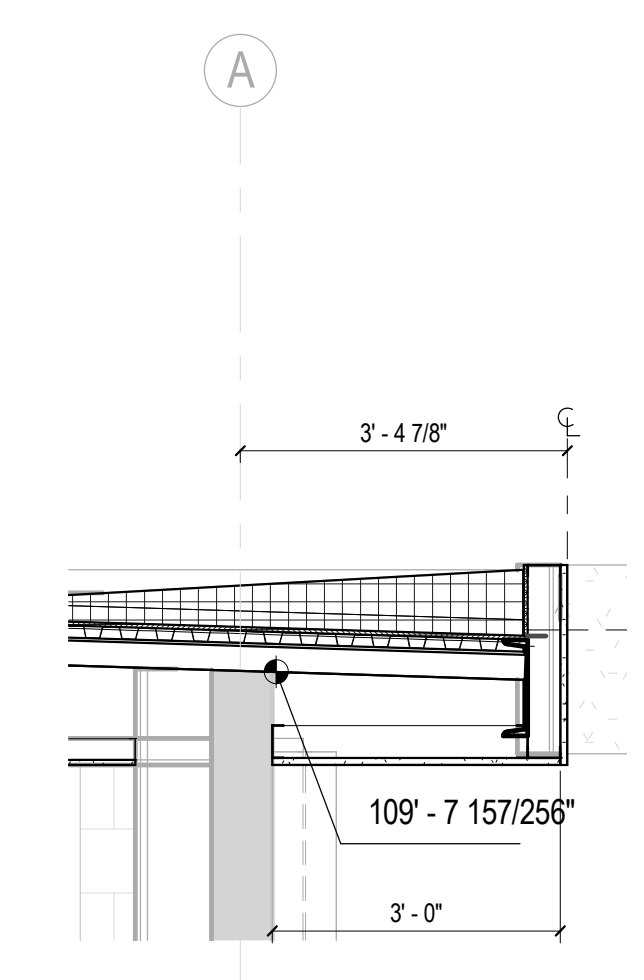
**3 BUILDING SECTION 3, EAST - WEST**  
1/8" = 1'-0"



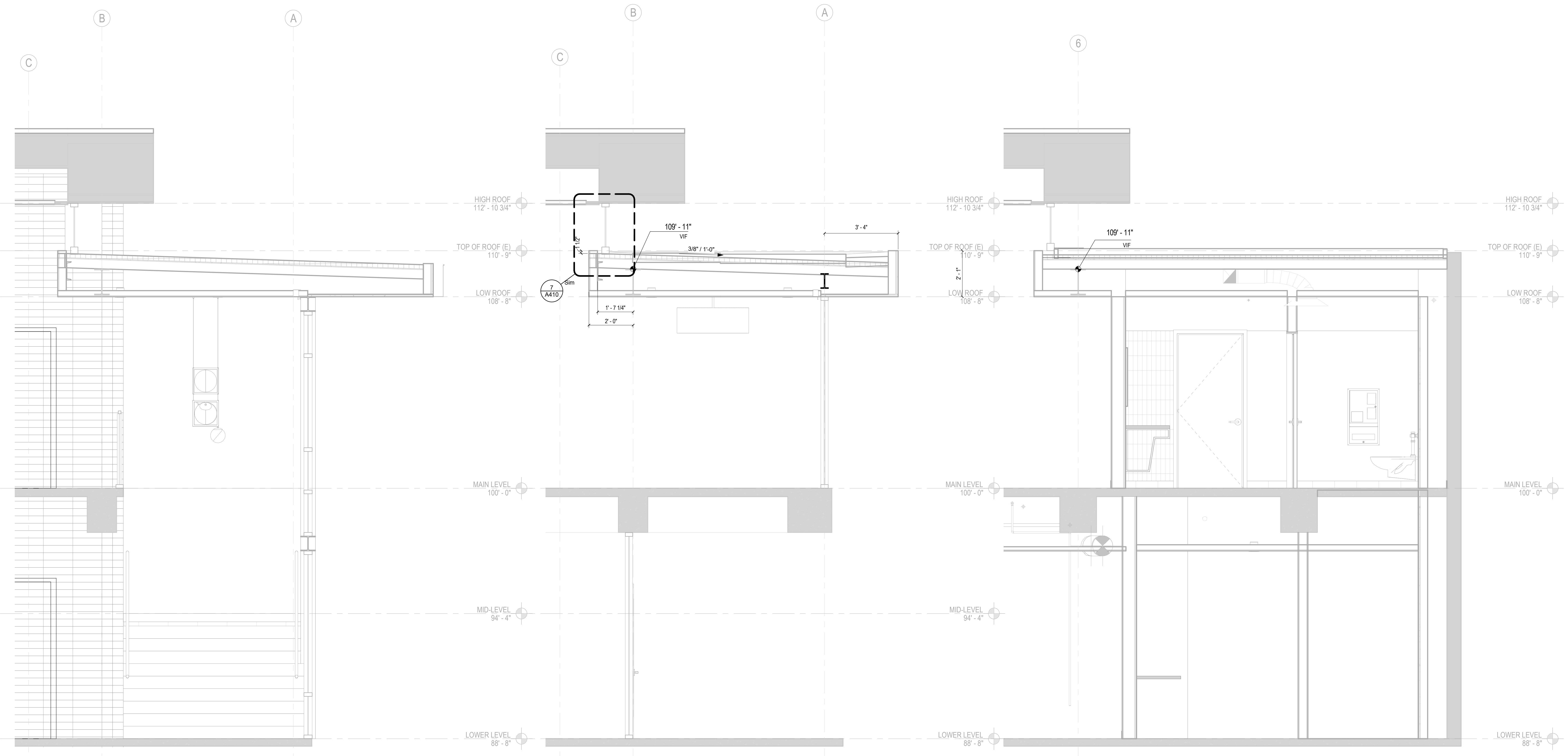
**4 BUILDING SECTION 4, EAST - WEST**  
1/8" = 1'-0"



7 WALL SECTION DETAIL @ CLERESTORY  
1/2" = 1'-0"



8 WALL SECTION DETAIL @ PARAPET  
1/2" = 1'-0"



3 WALL SECTION - LOBBY  
1/2" = 1'-0"

2 WALL SECTION AT ROOF RENOVATION - SOUTH  
1/2" = 1'-0"

1 WALL SECTION AT ROOF RENOVATION - WEST  
1/2" = 1'-0"

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600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

WALL SECTIONS

SCALE: 1/2" = 1'-0"

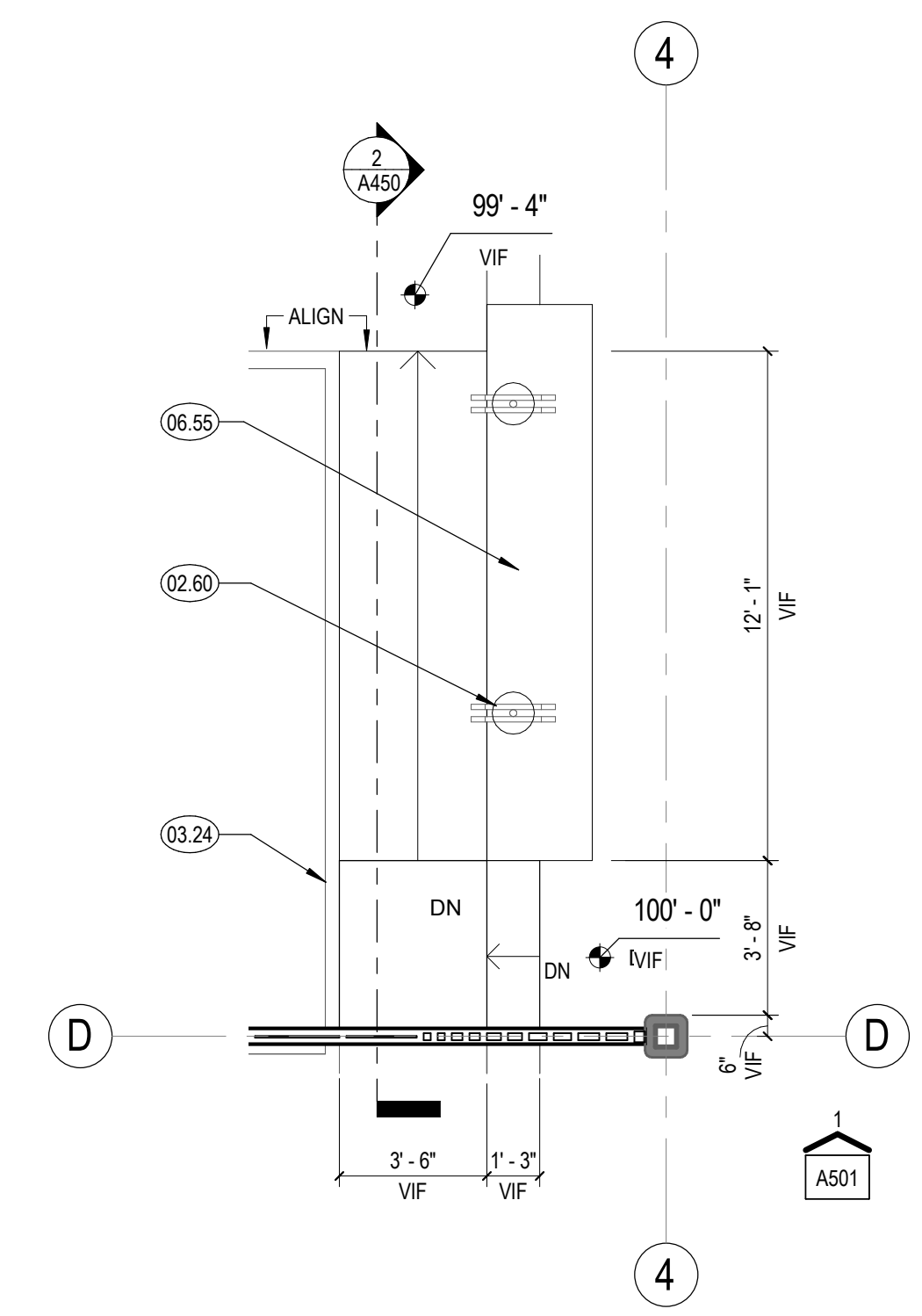
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KEYNOTES

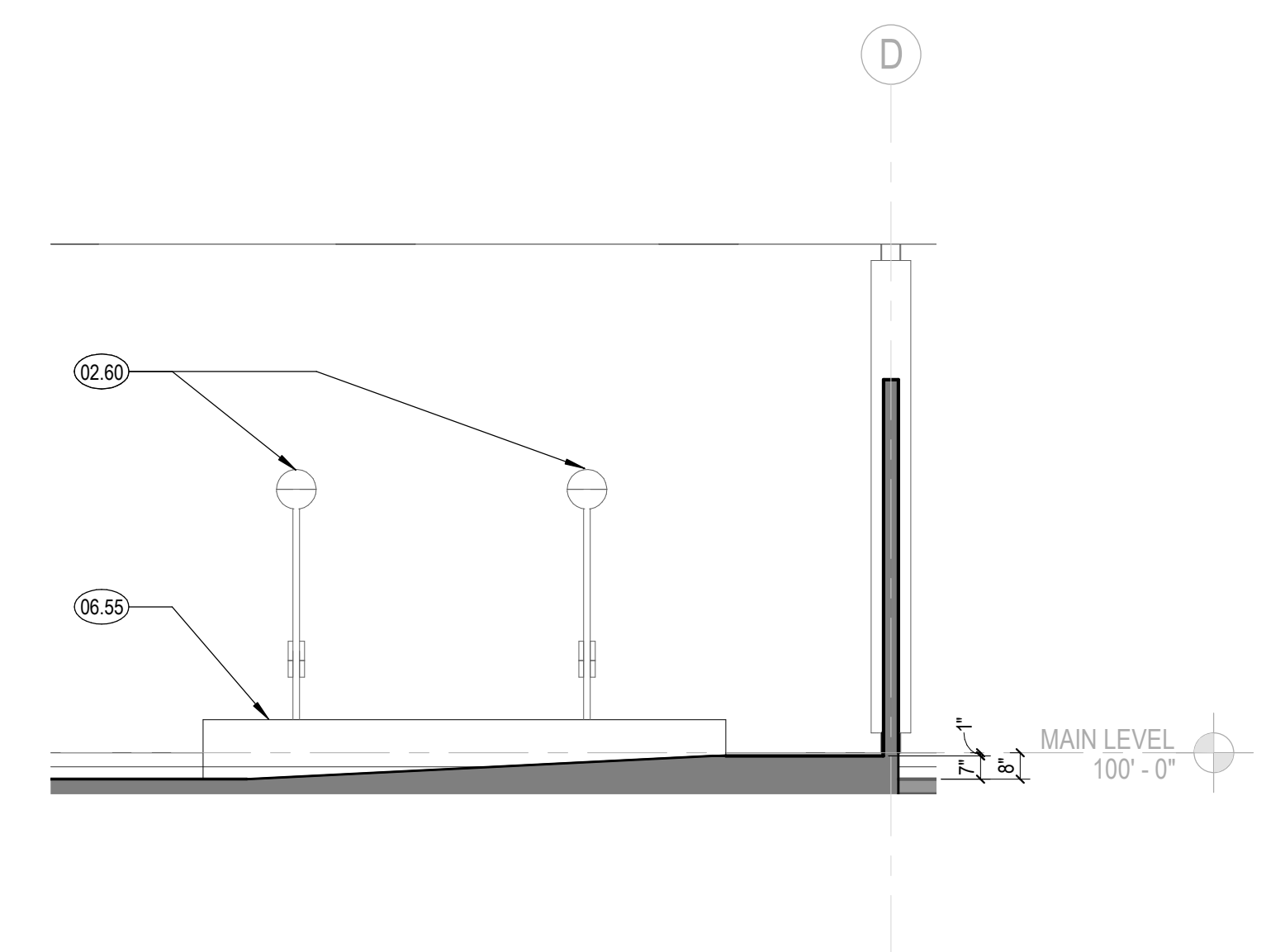
02.60 (E) LIGHT POST AND HANDRAIL  
 03.24 EXISTING CONCRETE PLANTERS  
 06.55 WOOD BENCH. REFER TO CASEWORK DETAILS FOR ADDITIONAL INFORMATION.



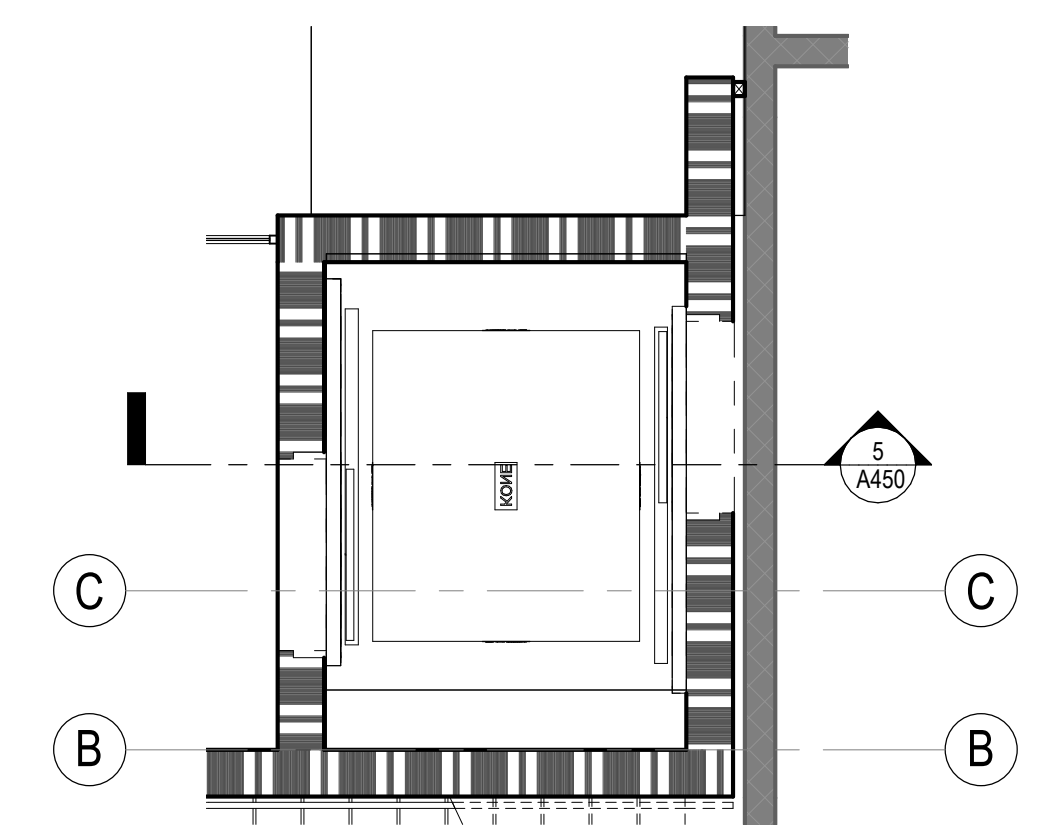
ANDERSON BRULÉ  
 ARCHITECTS  
 325 South First Street, 4th Floor  
 San Jose, California 95113  
 408.298.1885 | www.aba-arch.com  
 409 Harvard Avenue, Suite 201  
 Claremont, CA 91711



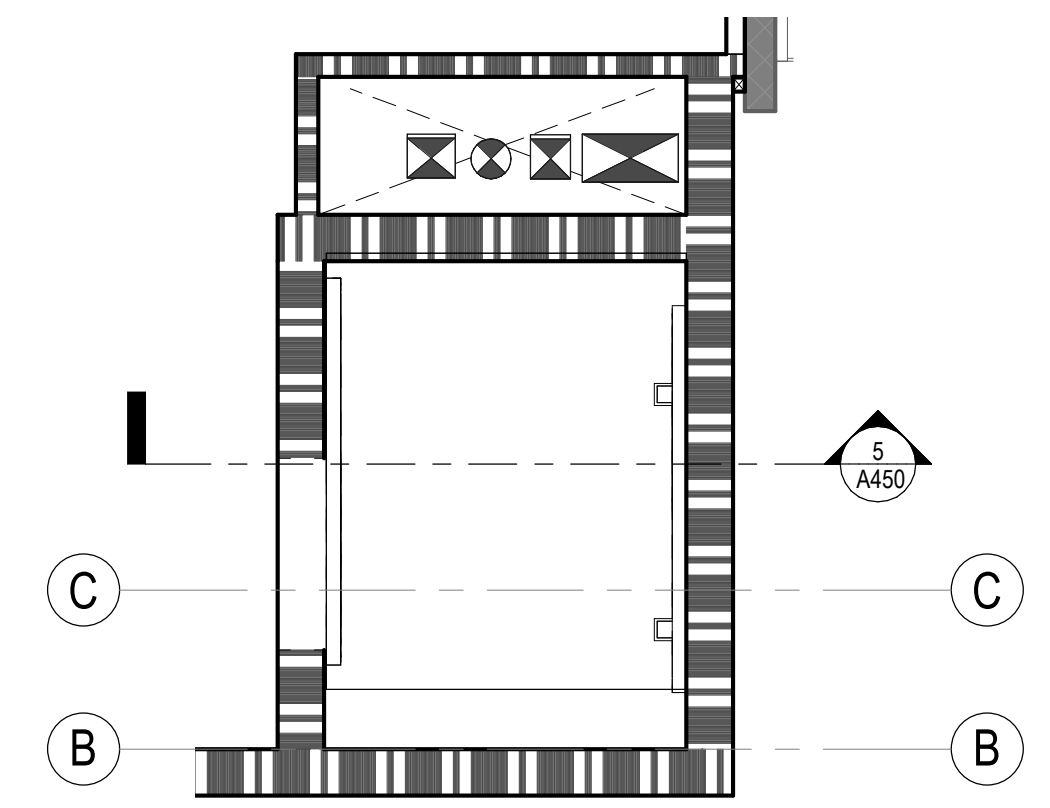
1 ENLARGED PLAN - SLOPED WALKWAY @ MAIN LEVEL  
 1/4" = 1'-0"



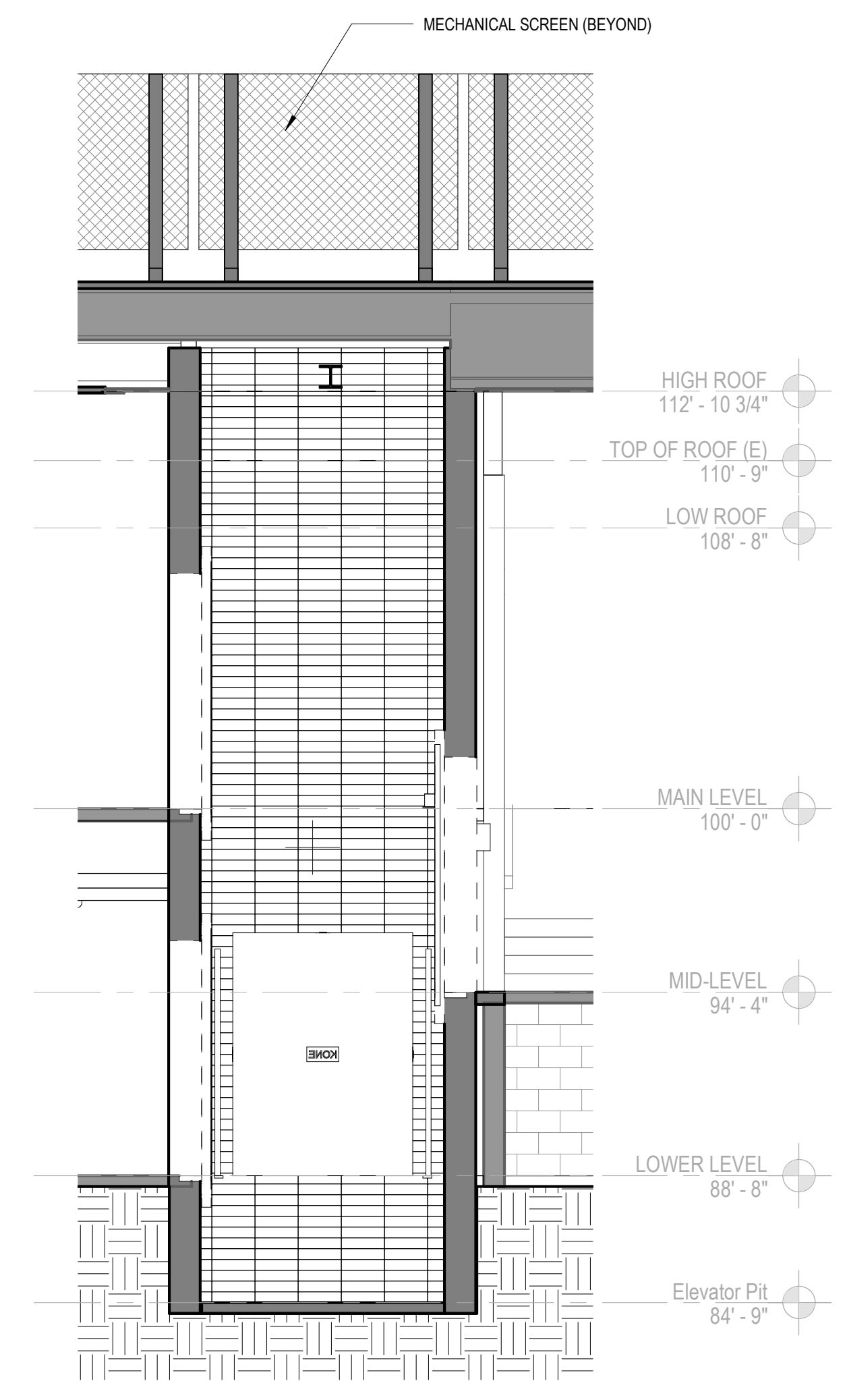
2 SECTION @ SLOPED WALKWAY  
 1/4" = 1'-0"



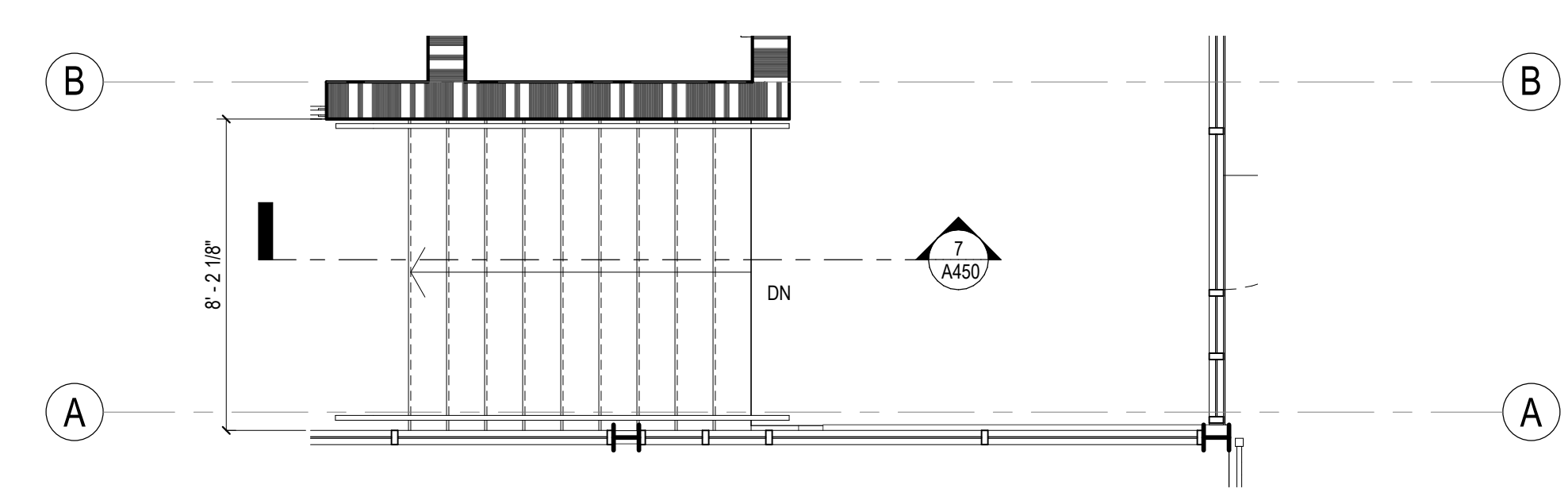
3 ENLARGED PLAN - ELEVATOR @ LOWER LEVEL  
 1/4" = 1'-0"



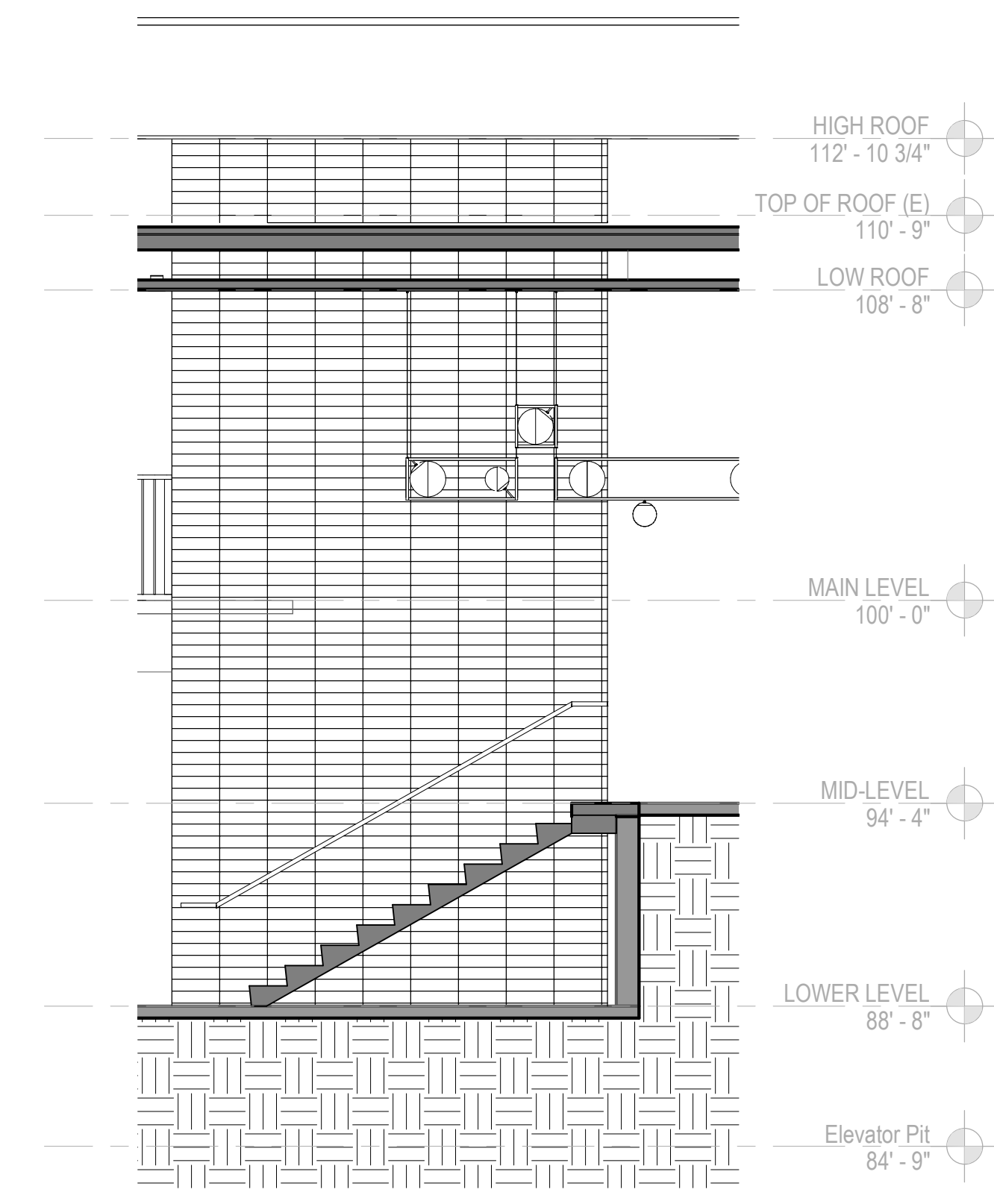
4 ENLARGED PLAN - ELEVATOR @ MAIN LEVEL  
 1/4" = 1'-0"



5 ELEVATOR SECTION E-W  
 1/4" = 1'-0"



6 ENLARGE PLAN - STAIR 1A  
 1/4" = 1'-0"



7 STAIR 1A SECTION - E-W  
 1/4" = 1'-0"

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1	Date 1	PLANNING SUBMITAL

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**  
 600 E MARIPOSA STREET  
 ALTADENA, CA 91001

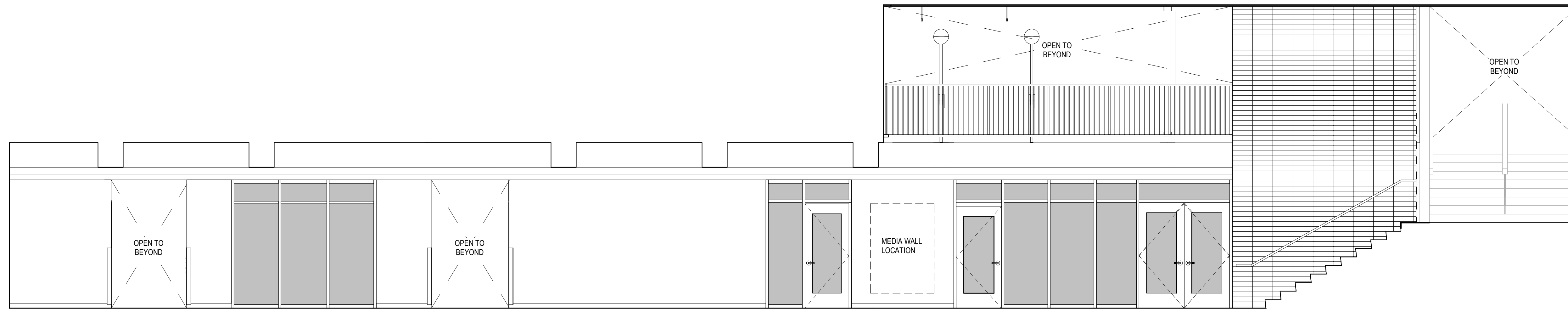
PROJECT NO. 2111010  
 DATE: 01-08-2024

SHEET TITLE:  
**STAIR AND ELEVATOR SECTIONS, ENLARGED PLANS, AND DETAILS**

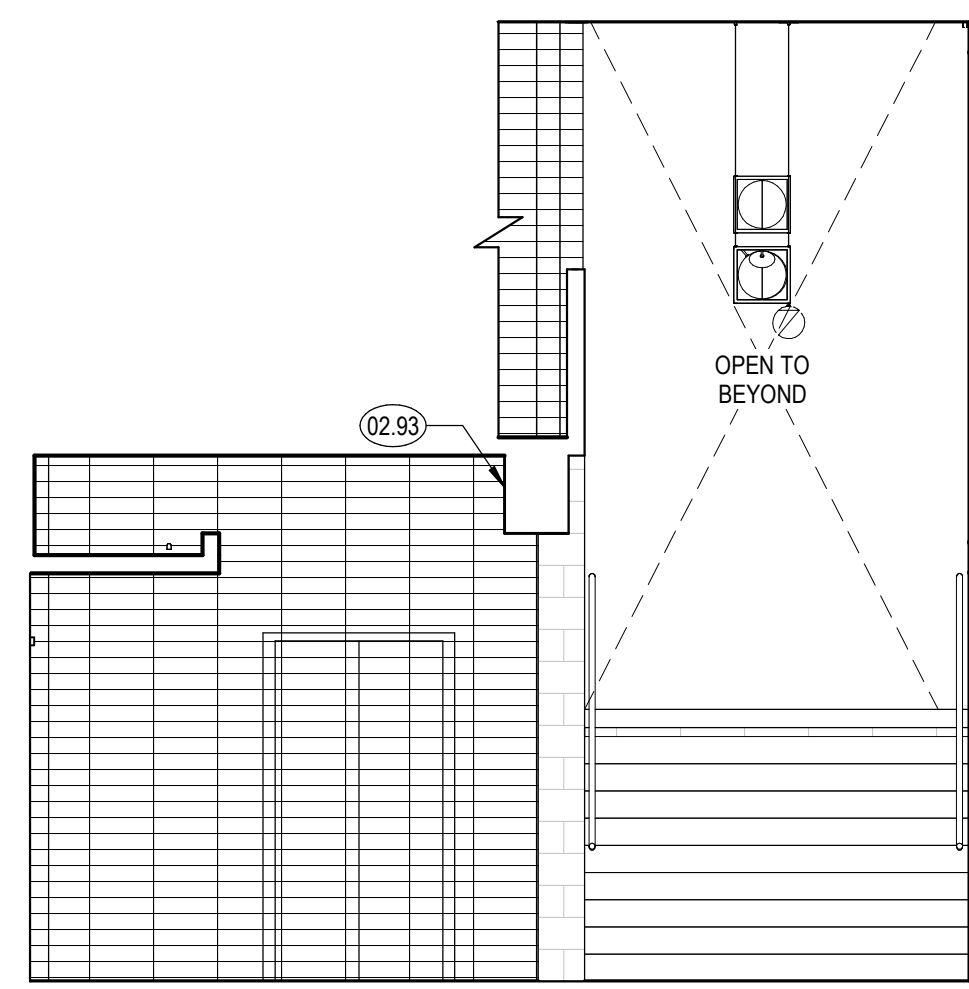
SCALE: 1/4" = 1'-0"

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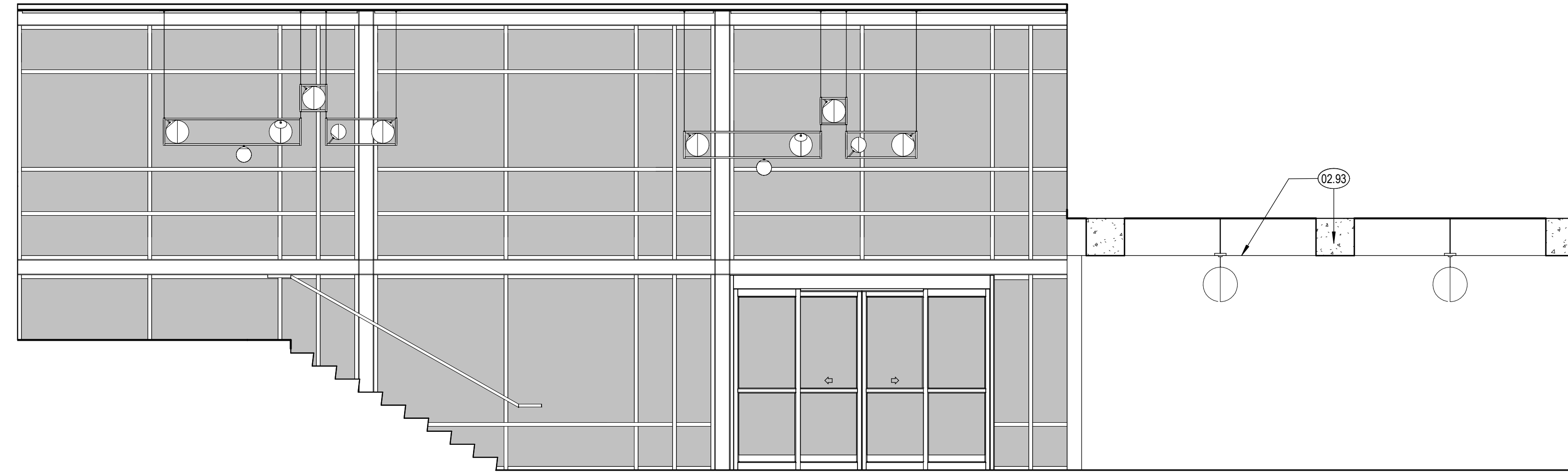
A450



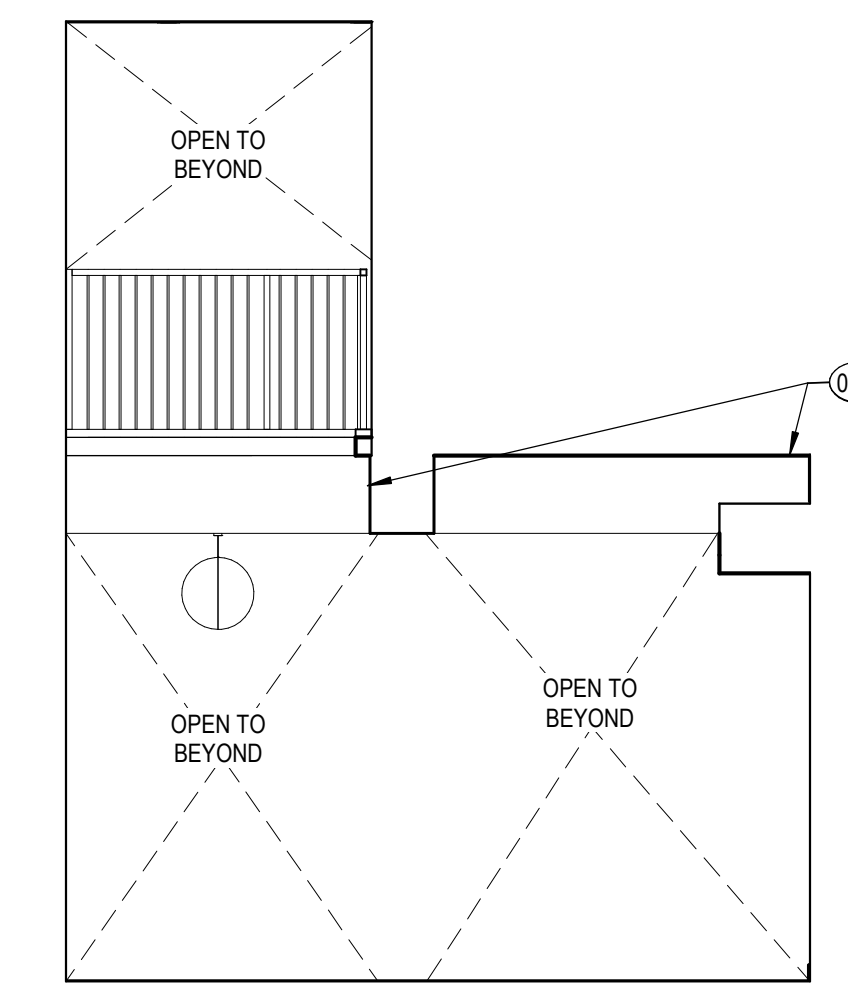
1 LOWER LEVEL - LOBBY 100 - N  
1/4" = 1'-0"



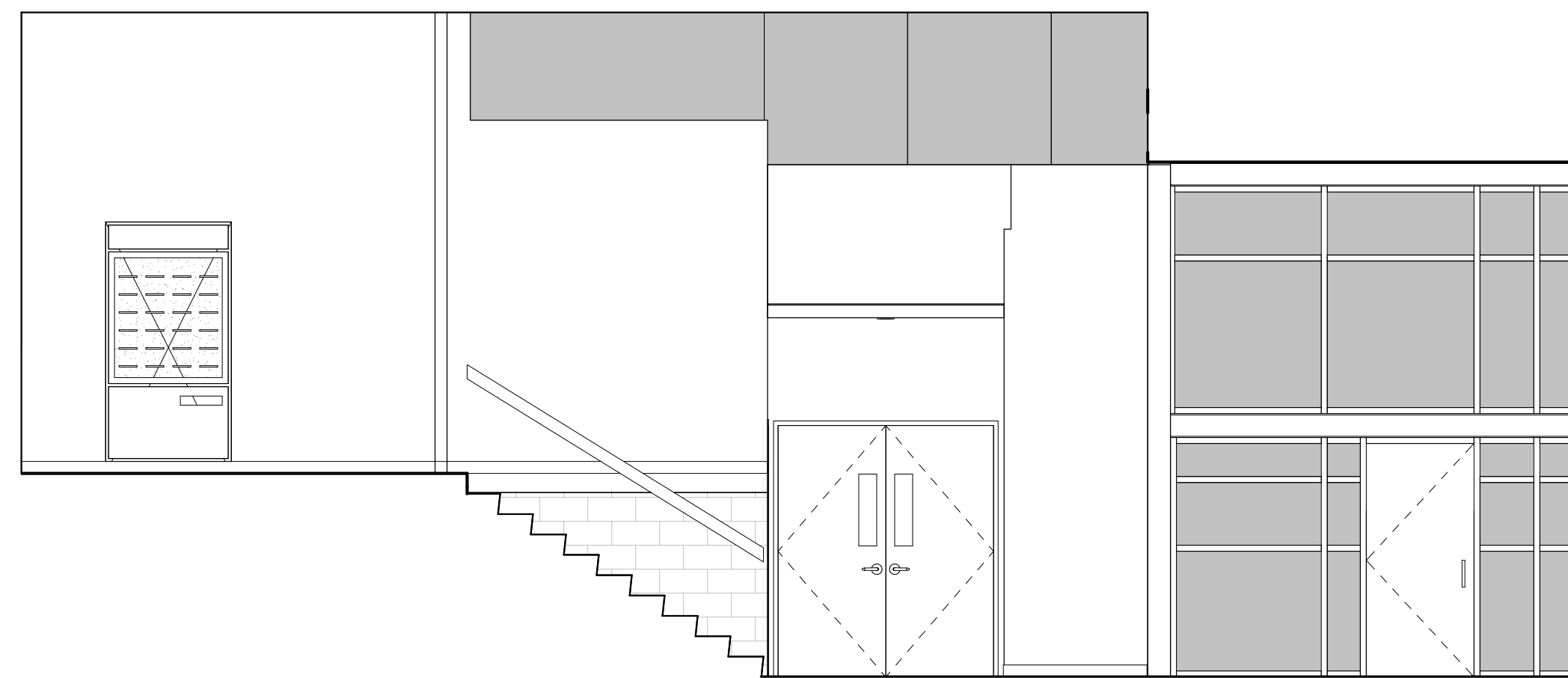
2 LOWER LEVEL - LOBBY 100 - E  
1/4" = 1'-0"



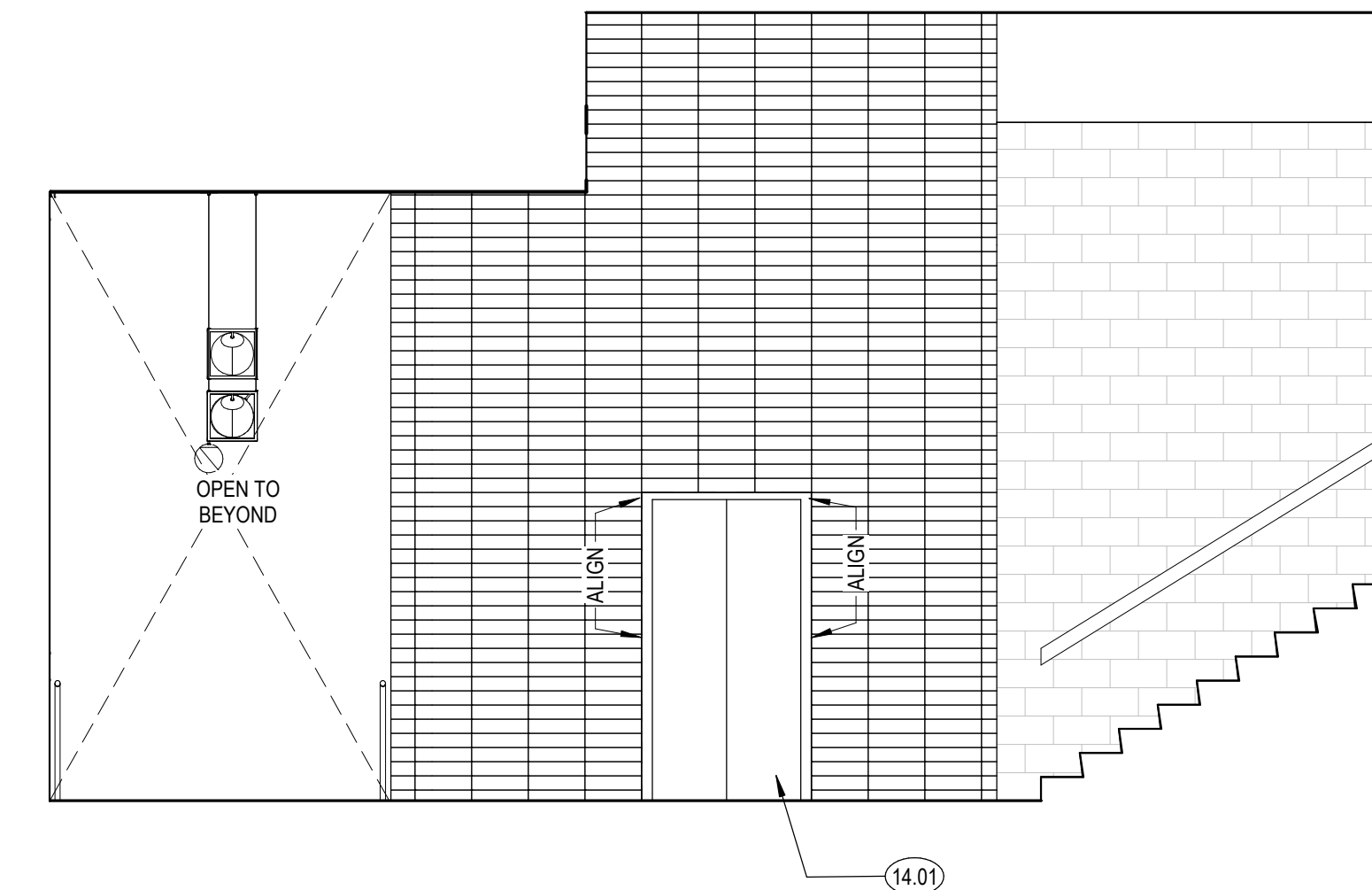
3 LOWER LEVEL - LOBBY 100 - S  
1/4" = 1'-0"



4 LOWER LEVEL - LOBBY 100 - W  
1/4" = 1'-0"



5 MID LEVEL - LOBBY 200 - E  
1/4" = 1'-0"



6 MID LEVEL - LOBBY 200 - W  
1/4" = 1'-0"

SHEET NOTES

- A. SEE SHEET A240 FOR FINISH LEGEND
- B. SEE FINISH PLANS FOR FLOOR AND WALL FINISHES
- C. SEE SHEET A000 FOR TYPICAL SYMBOLS AND ABBREVIATIONS.
- D. FOR INTERIOR DOOR FRONT TYPE SEE A000
- E. FOR WINDOW IDENTIFICATION TAG SEE FLOOR PLANS. FOR WINDOW DIMENSIONS AND DETAILS REFER TO WINDOW SCHEDULE SHEETS
- F. SEE DETAILS IN G100 SHEETS A10.00 FOR TYPICAL MOUNTING HEIGHTS, LOCATIONS, GRAB BAR SIZE AND OTHER ACCESSIBILITY DETAIL
- G. ALL ELECTRICAL OUTLETS ABOVE CASEWORK TO BE ORIENTED HORIZONTALLY
- H. ELECTRICAL OUTLETS SHOWN FOR REFERENCE. SEE FOR LOCATIONS
- I. ALL CASEWORK TO BE LOCKABLE U.N.O.
- J. FURNITURE SHOWN FOR REFERENCE ONLY
- K. ALL WALL BASE IS RUBBER BASE, WEL AS NOTED IN FINISH LEGEND, UNO
- L. FOR FINISH MATERIALS, SEE FINISH LEGEND & INTERIOR FINISH SCHEDULE SHEET A240.
- M. ALL GLASS WALL SYSTEMS TO RECEIVE WINDOW FILM WITH CUSTOM FINISH
- N. ALL WALLS TO BE PAINTED IN PPT U.N.O.
- O. ALL INTERIOR DOOR AND WINDOW TRIM TO BE PAINTED UNO. SEE DORR SCHEDULE.
- P. FOR BACKING DETAILS, REFER TO BACKING PLATE SCHEDULE
- Q. ALL DIMENSIONS ARE TO FACE OF FINISH UNO. FOR FRAMING DIMENSIONS SEE DIMENSION PLANS

KEYNOTES

- 02.93 (E) BEAM
- 14.01 ELEVATOR DOORS

LEGEND



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PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**INTERIOR ELEVATIONS**

SCALE: As indicated

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A500

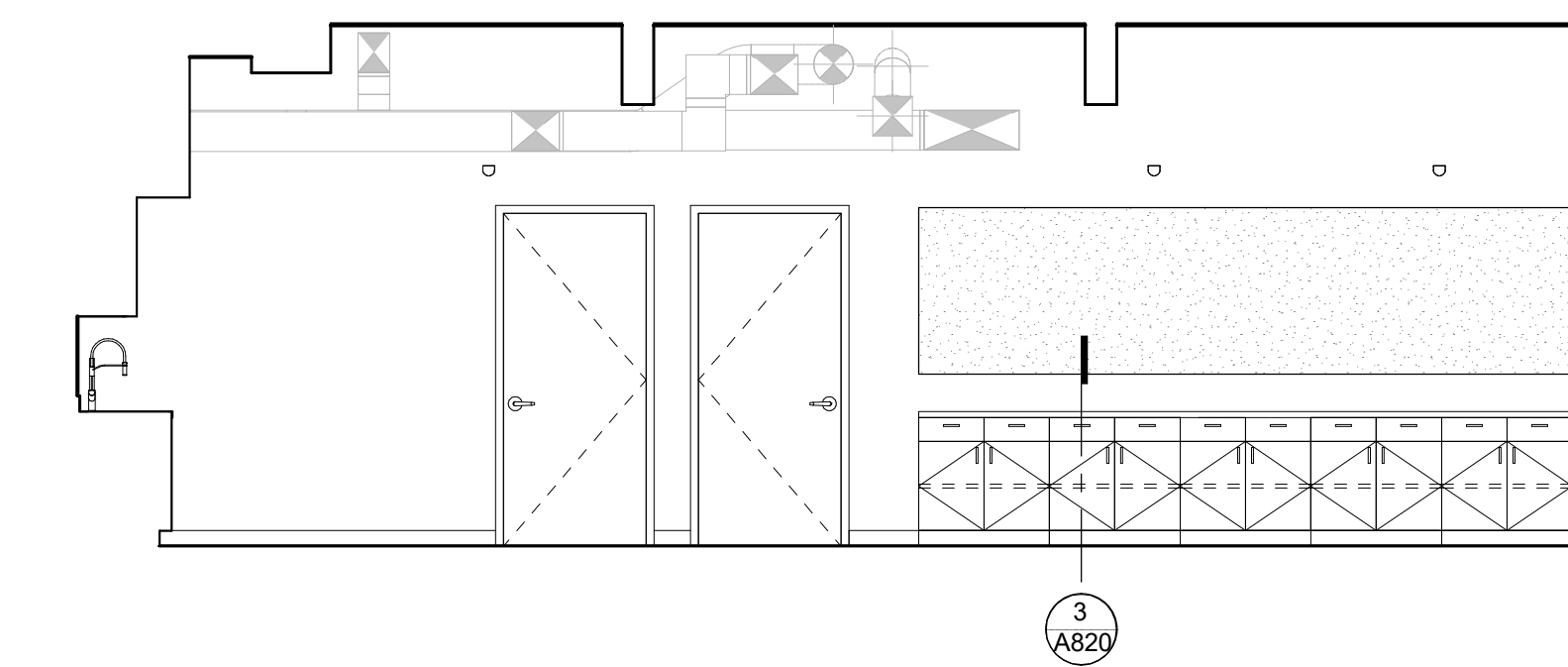


SHEET NOTES

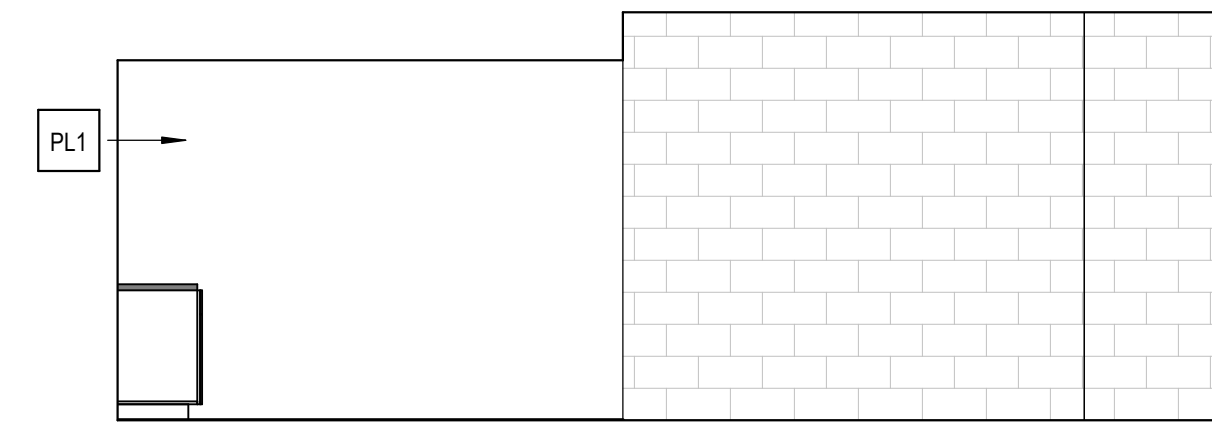
- A. SEE SHEET A240 FOR FINISH LEGEND
- B. SEE FINISH PLANS FOR FLOOR AND WALL FINISHES
- C. SEE SHEET A000 FOR TYPICAL SYMBOLS AND ABBREVIATIONS
- D. FOR INTERIOR DOOR FRONT TYPE SEE A800
- E. FOR WINDOW IDENTIFICATION TAG SEE FLOOR PLANS. FOR WINDOW DIMENSIONS AND DETAILS REFER TO WINDOW SCHEDULE SHEETS
- F. SEE DETAILS IN G100 SHEETS A10.00 FOR TYPICAL MOUNTING HEIGHTS, LOCATIONS, GRAB BAR SIZE AND OTHER ACCESSIBILITY DETAIL
- G. ALL ELECTRICAL OUTLETS ABOVE CASEWORK TO BE ORIENTED HORIZONTALLY
- H. ELECTRICAL OUTLETS SHOWN FOR REFERENCE. SEE FOR LOCATIONS
- I. ALL CASEWORK TO BE LOCKABLE U.N.O.
- J. FURNITURE SHOWN FOR REFERENCE ONLY
- K. ALL WALL BASE IS RUBBER BASE, VEL. AS NOTED IN FINISH LEGEND, UNO
- L. FOR FINISH MATERIALS, SEE FINISH LEGEND & INTERIOR FINISH SCHEDULE SHEET A240.
- M. ALL GLASS WALL SYSTEMS TO RECEIVE WINDOW FILM WITH CUSTOM FINISH
- N. ALL WALLS TO BE PAINTED IN PTT U.N.O.
- O. ALL INTERIOR DOOR AND WINDOW TRIM TO BE PAINTED UNO, SEE DORR SCHEDULE.
- P. FOR BACKING DETAILS, REFER TO BACKING PLATE SCHEDULE
- Q. ALL DIMENSIONS ARE TO FACE OF FINISH UNO. FOR FRAMING DIMENSIONS SEE DIMENSION PLANS

KEYNOTES

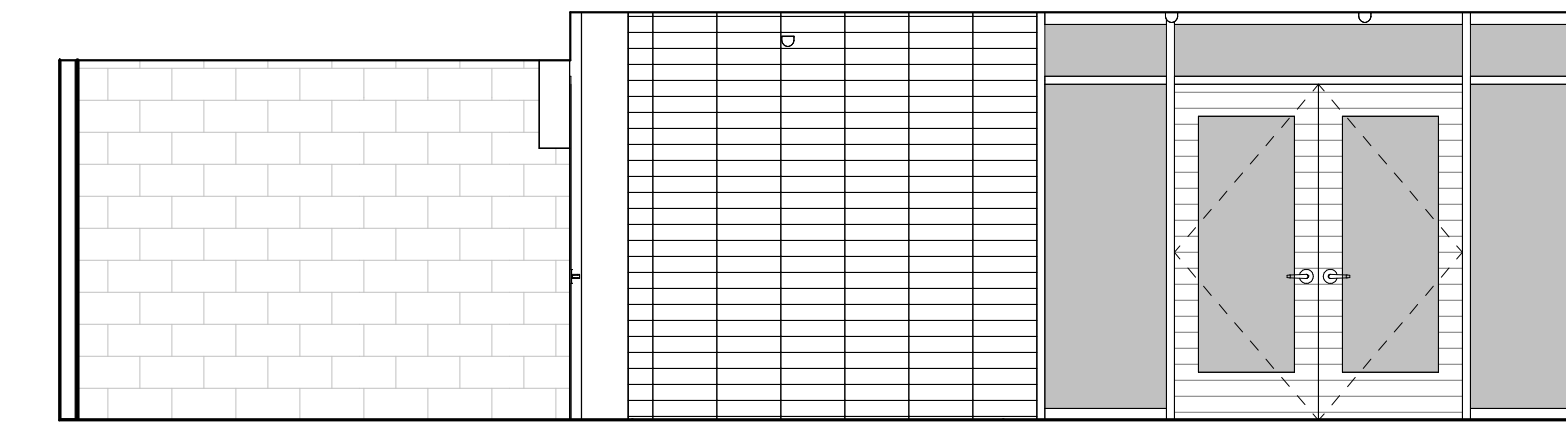
- 02.93 (E) BEAM
- 09.78 TACKLE ACUSTIC PANEL, 1" THICK NRC, 75 MIN UNO.



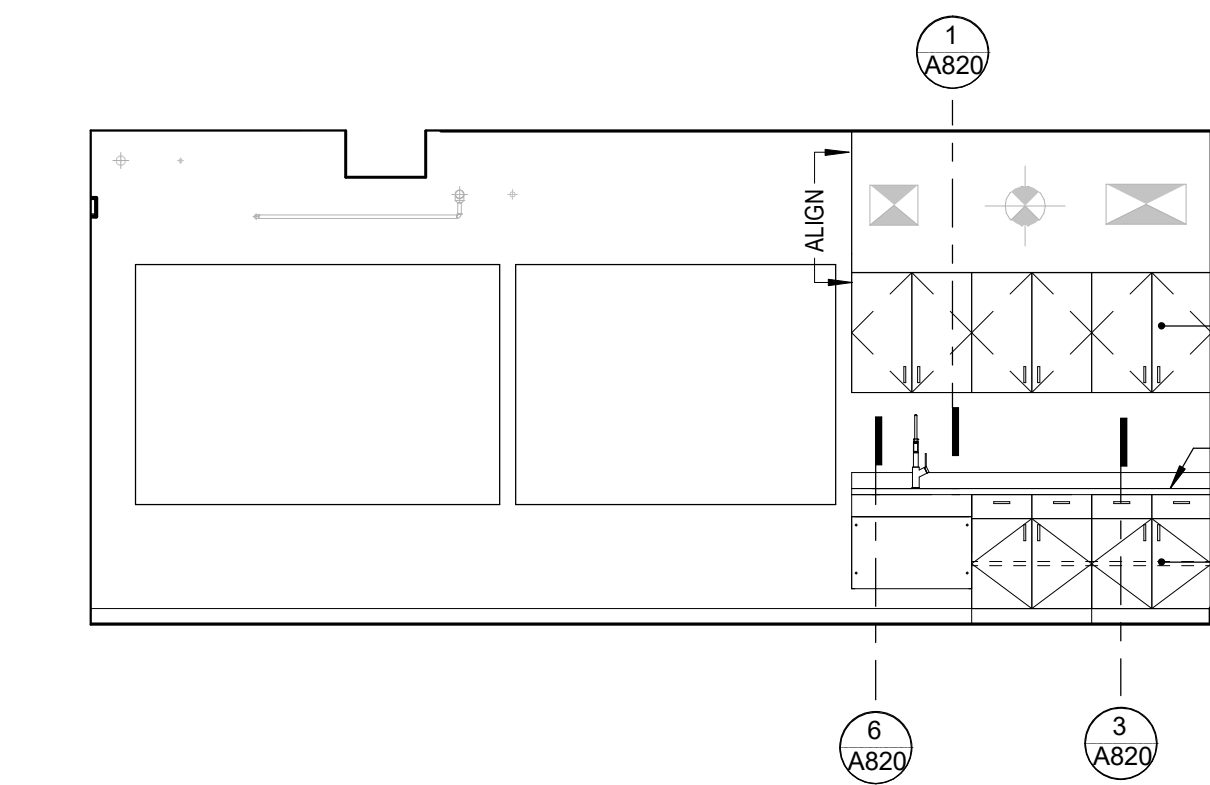
1 LOWER LEVEL - MAKER SPACE 101 - N  
1/4" = 1'-0"



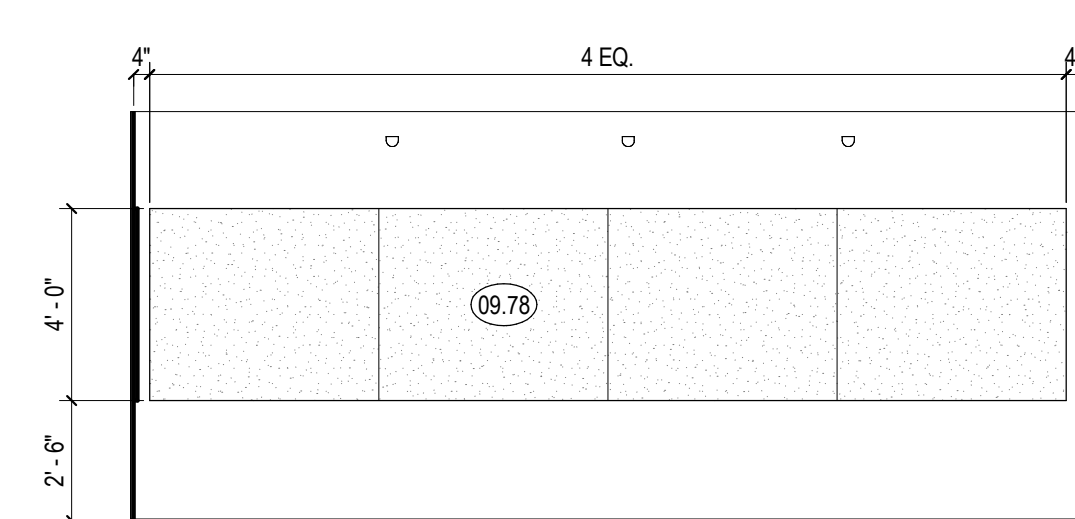
2 LOWER LEVEL - MAKER SPACE 101 - E  
1/4" = 1'-0"



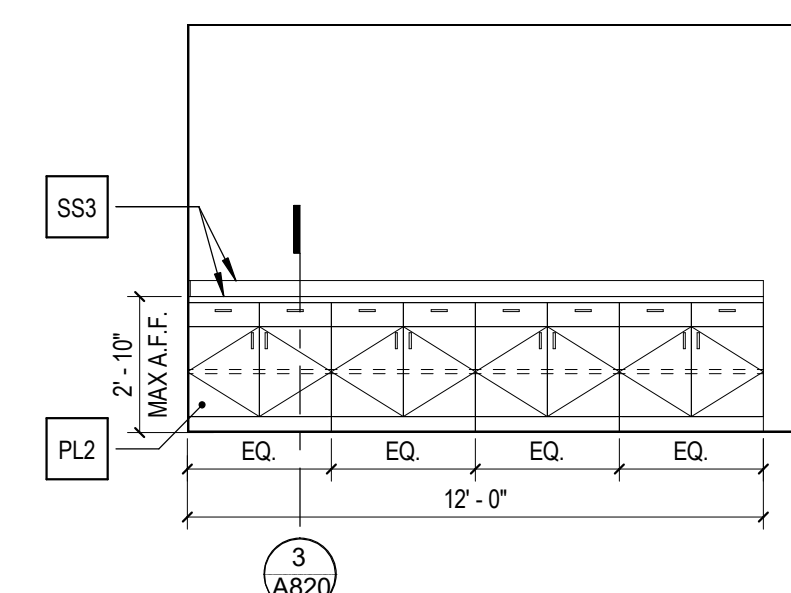
3 LOWER LEVEL - MAKER SPACE 101 - S  
1/4" = 1'-0"



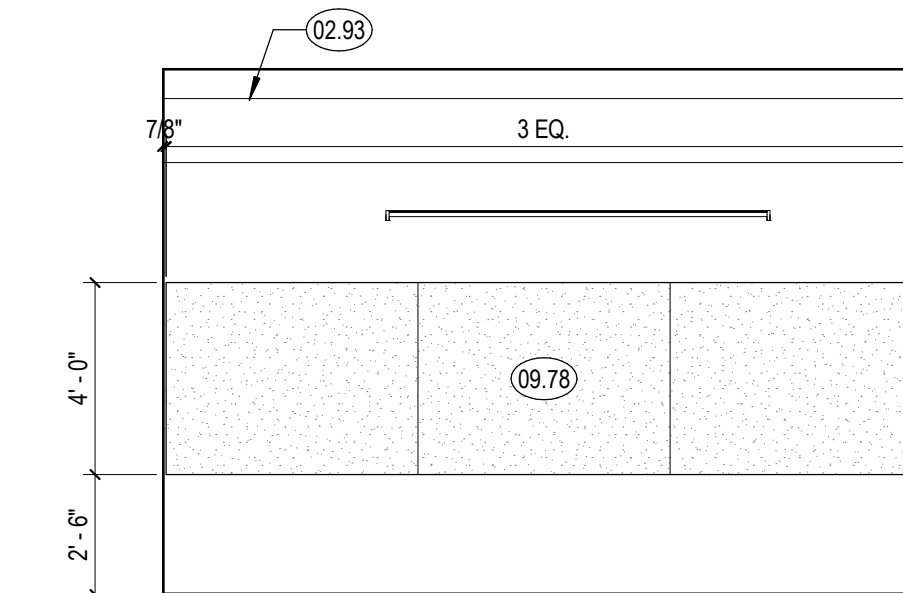
4 LOWER LEVEL - MAKER SPACE 101 - W  
1/4" = 1'-0"



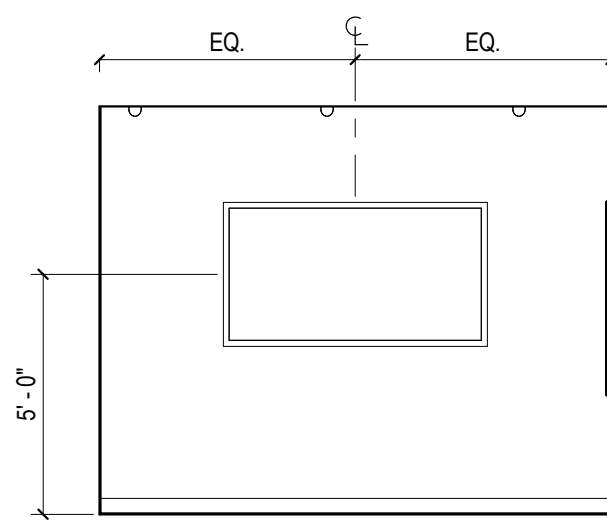
5 LOWER LEVEL - FABRICATION LAB 103 - N  
1/4" = 1'-0"



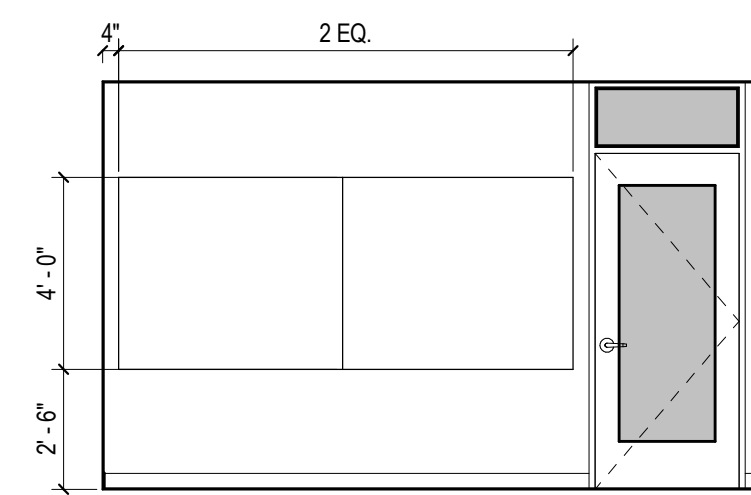
6 LOWER LEVEL - FABRICATION LAB 103 - S  
1/4" = 1'-0"



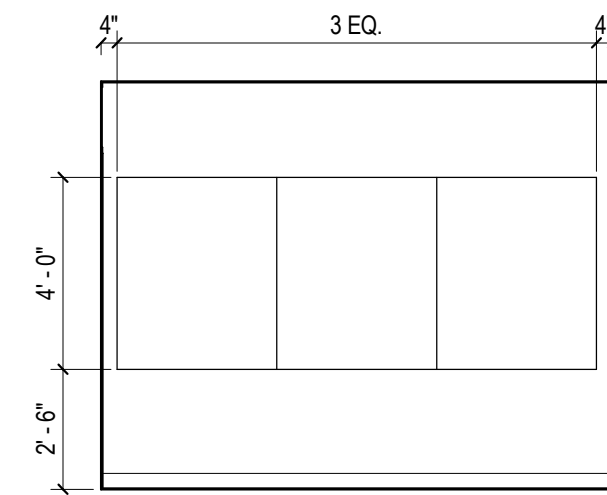
7 LOWER LEVEL - FABRICATION LAB 103 - W  
1/4" = 1'-0"



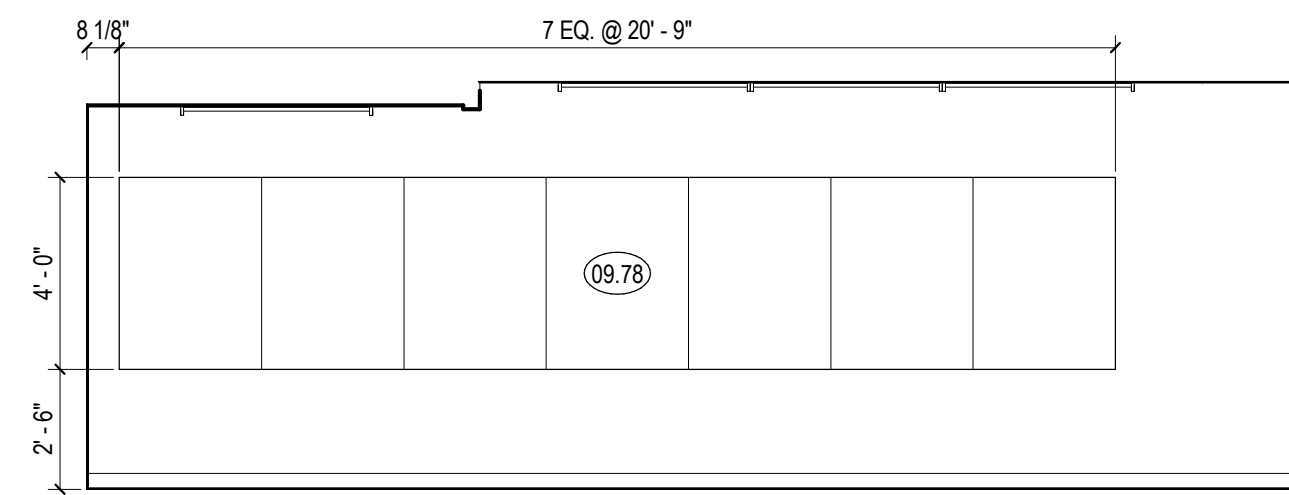
14 LOWER LEVEL - MEETING ROOM 120 - E  
1/4" = 1'-0"



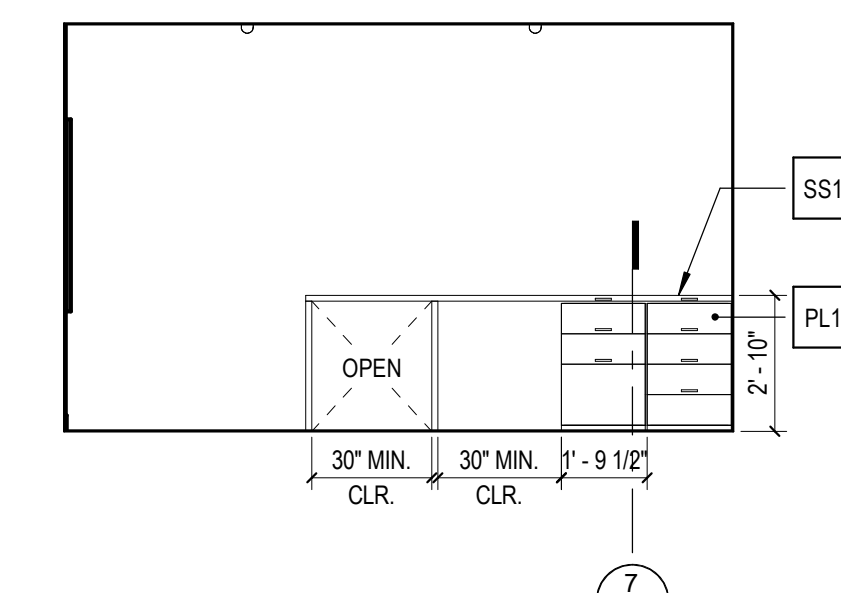
15 LOWER LEVEL - MEETING ROOM 120 - S  
1/4" = 1'-0"



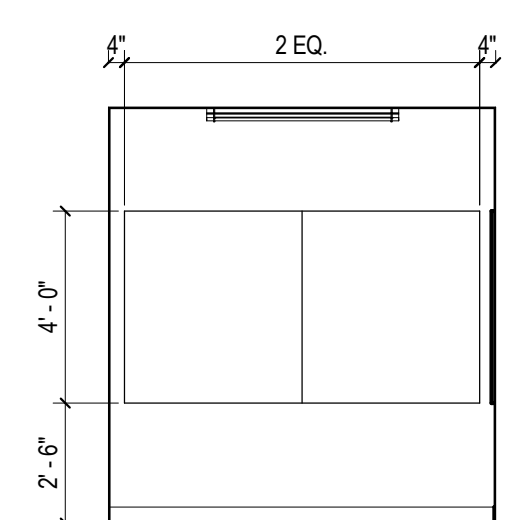
16 LOWER LEVEL - MEETING ROOM 120 - W  
1/4" = 1'-0"



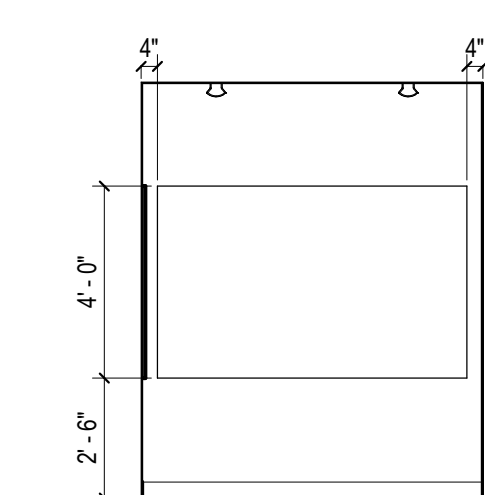
8 LOWER LEVEL - PASS. OFFICE 107 - E  
1/4" = 1'-0"



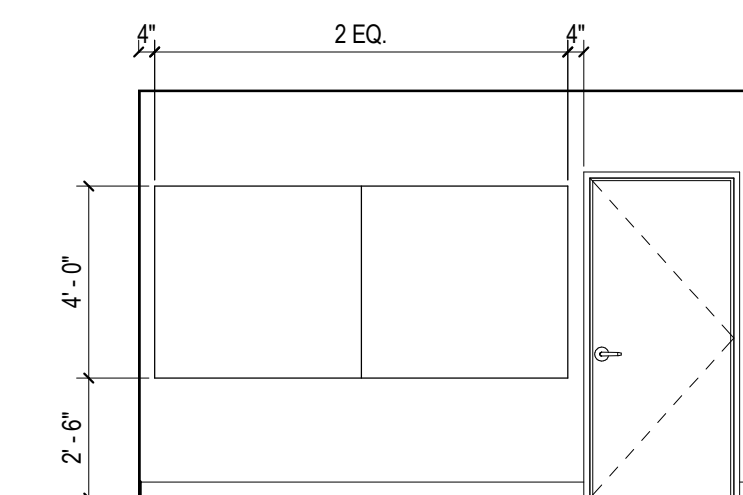
9 LOWER LEVEL - PASS. OFFICE 107 - S  
1/4" = 1'-0"



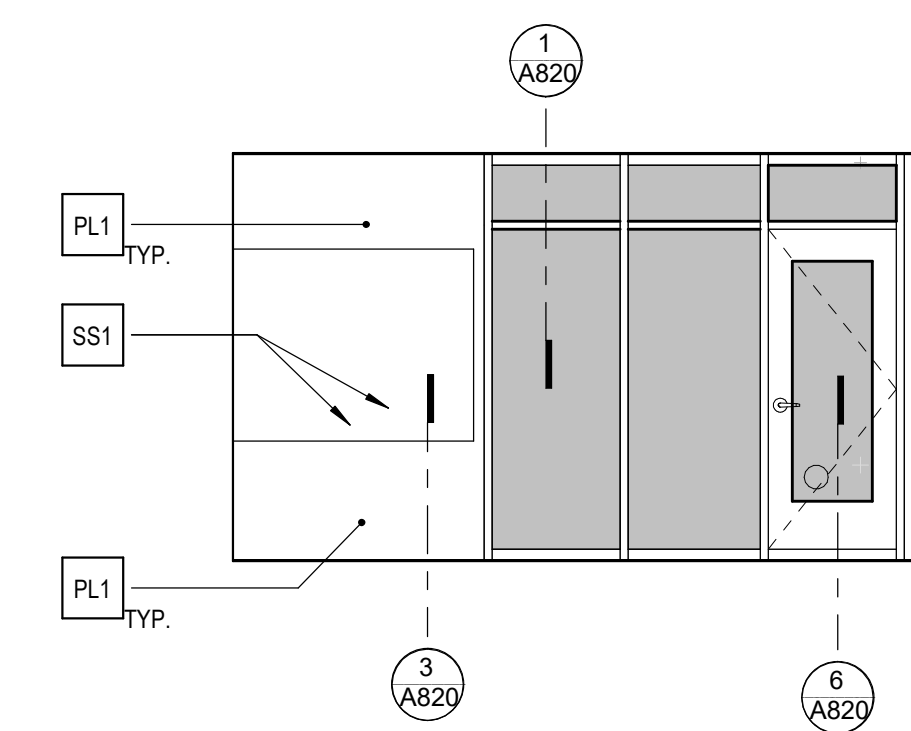
17 LOWER LEVEL - CALL ROOM 119 - N  
1/4" = 1'-0"



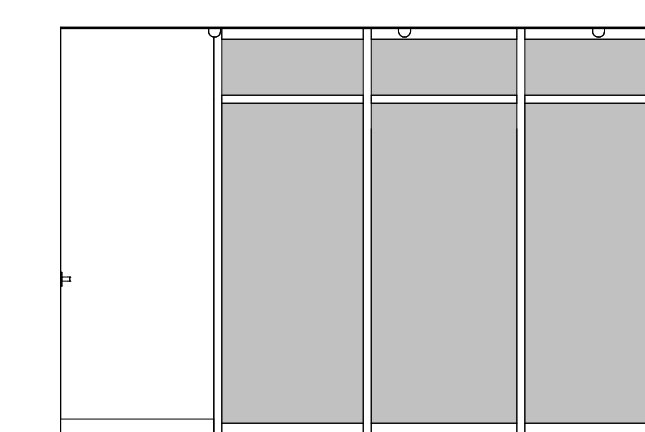
18 LOWER LEVEL - CALL ROOM 119 - E  
1/4" = 1'-0"



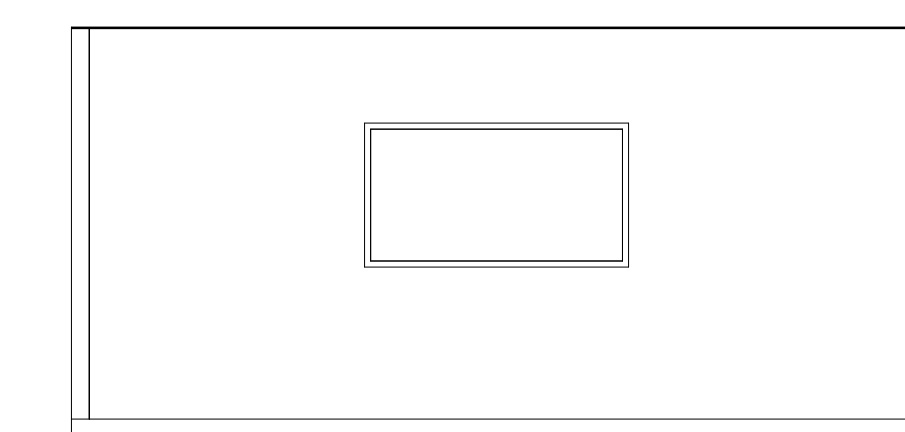
10 LOWER LEVEL - CONFERENCE 111 - N  
1/4" = 1'-0"



11 LOWER LEVEL - CONFERENCE 111 - E  
1/4" = 1'-0"



13 LOWER LEVEL - CONFERENCE 111 - S  
1/4" = 1'-0"



12 LOWER LEVEL - CONFERENCE 111 - W  
1/4" = 1'-0"

LEGEND

- GLAZING
- WALL FINISH CALLOUT
- INDICATES TRANSITION OF MATERIAL

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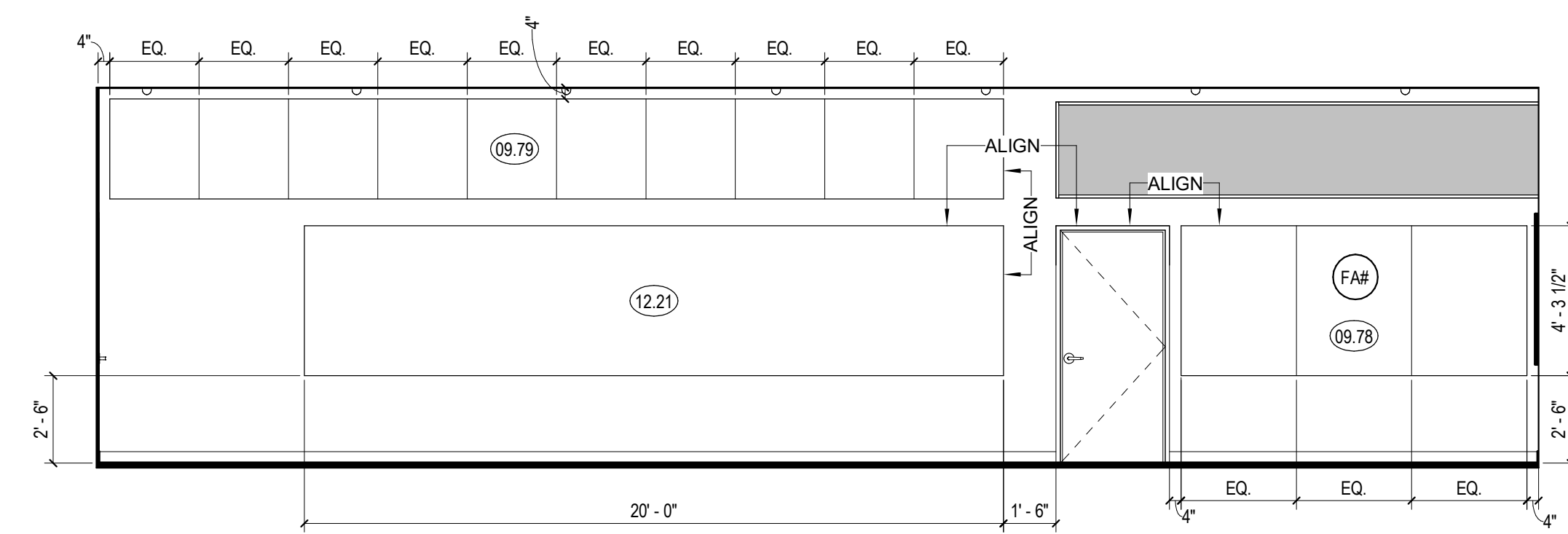
SHEET TITLE:

INTERIOR ELEVATIONS

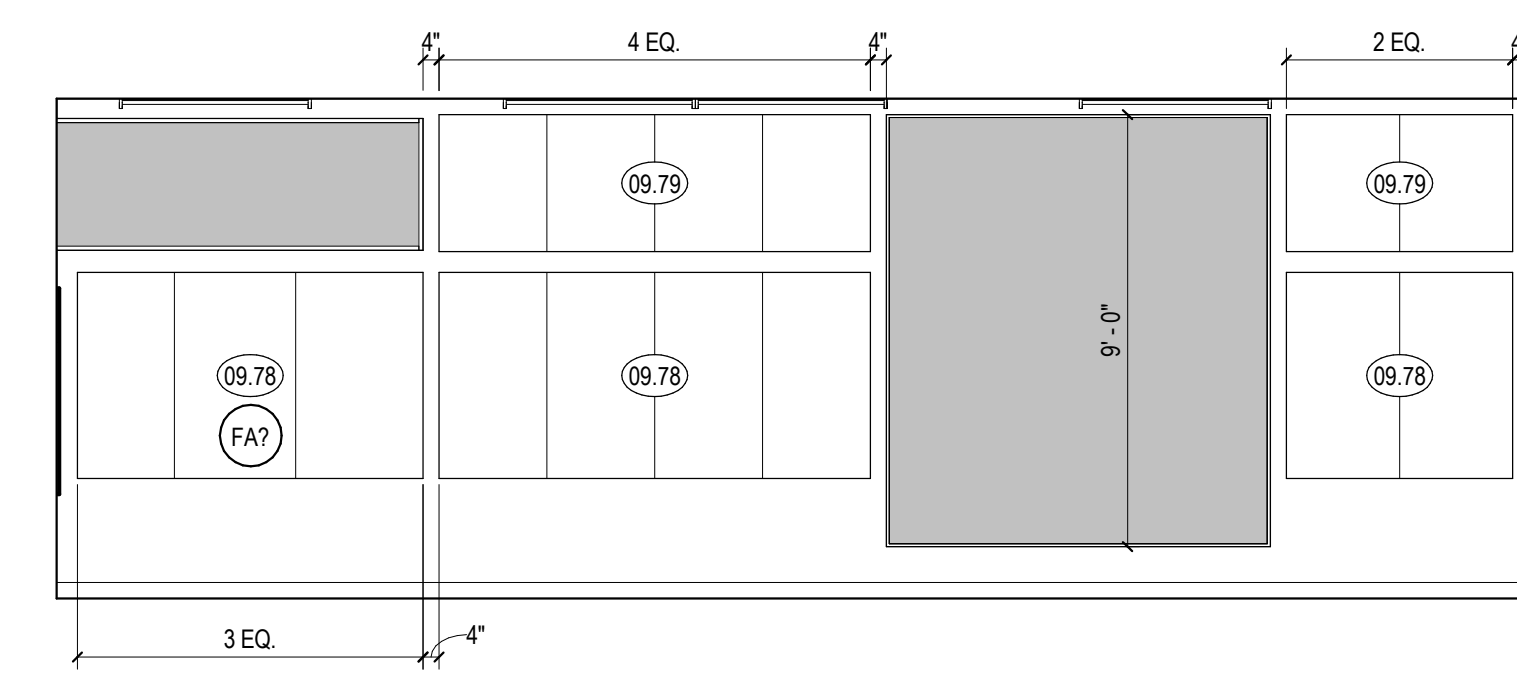
SCALE: As indicated

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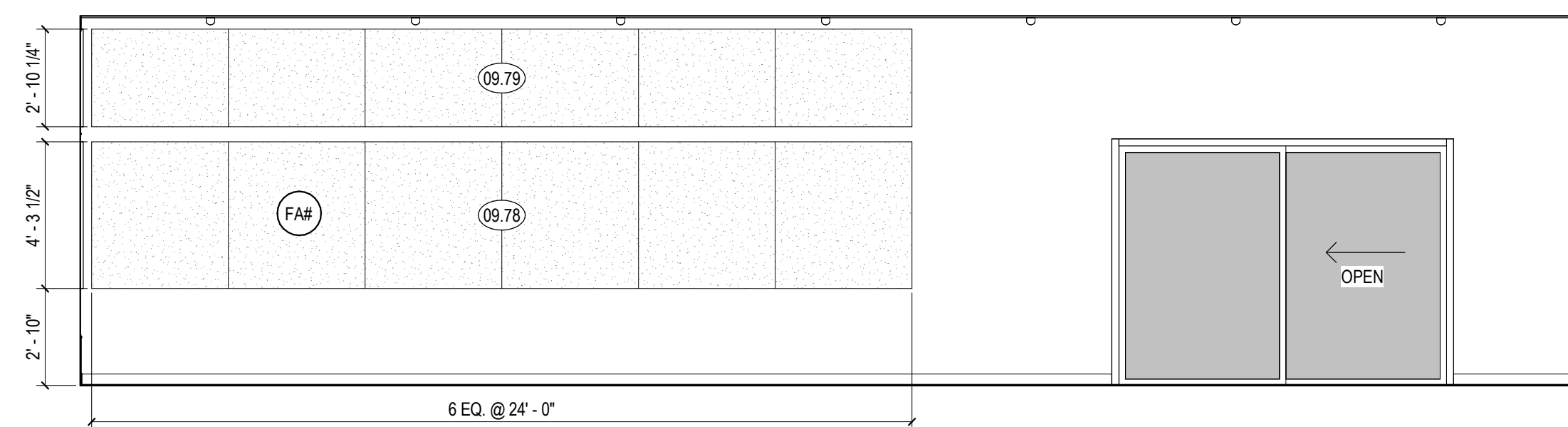
A501



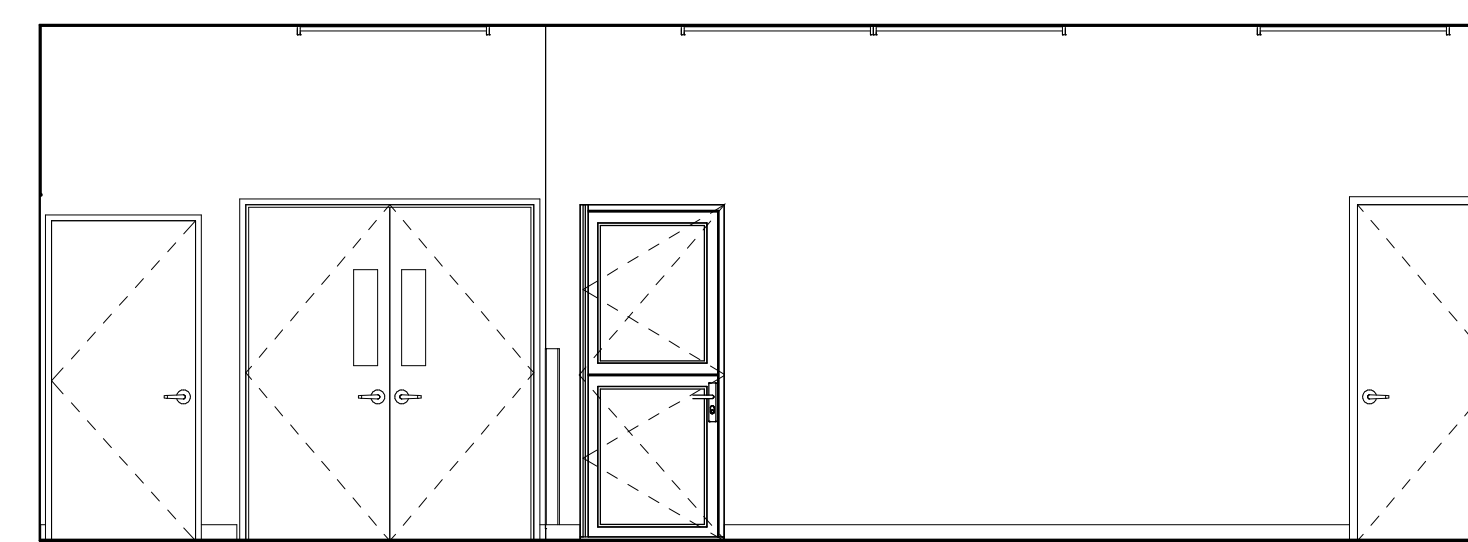
1 MID LEVEL - COMMUNITY ROOM 201 - N  
1/4" = 1'-0"



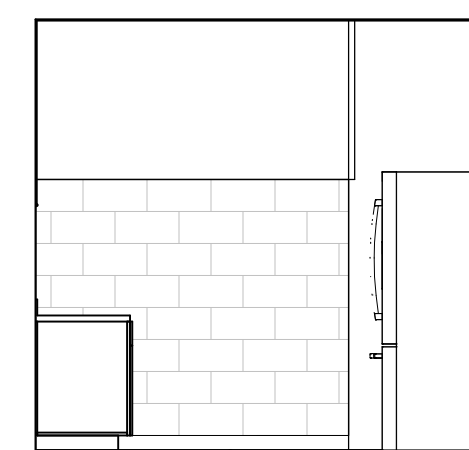
2 MID LEVEL - COMMUNITY ROOM 201 - E  
1/4" = 1'-0"



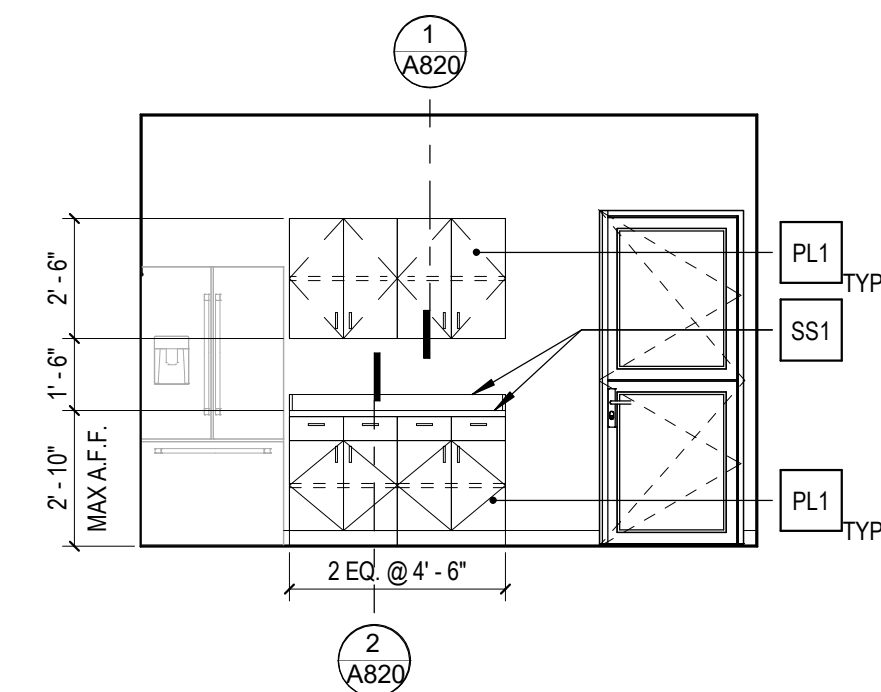
3 MID LEVEL - COMMUNITY ROOM 201 - S  
1/4" = 1'-0"



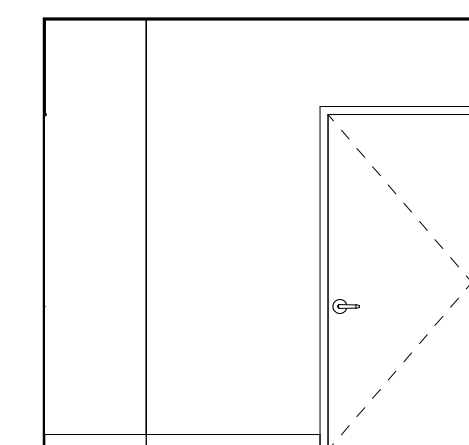
4 MID LEVEL - COMMUNITY ROOM 201 - W  
1/4" = 1'-0"



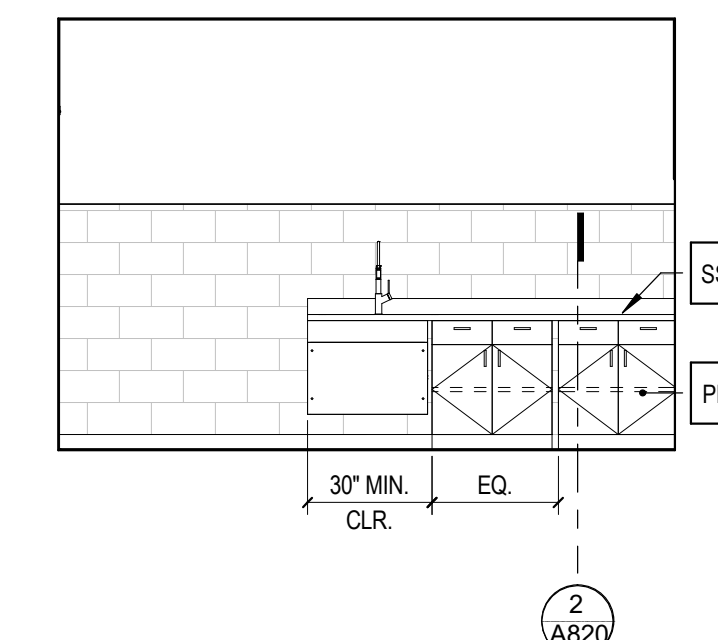
5 MID LEVEL - KITCHEN 202 - N  
1/4" = 1'-0"



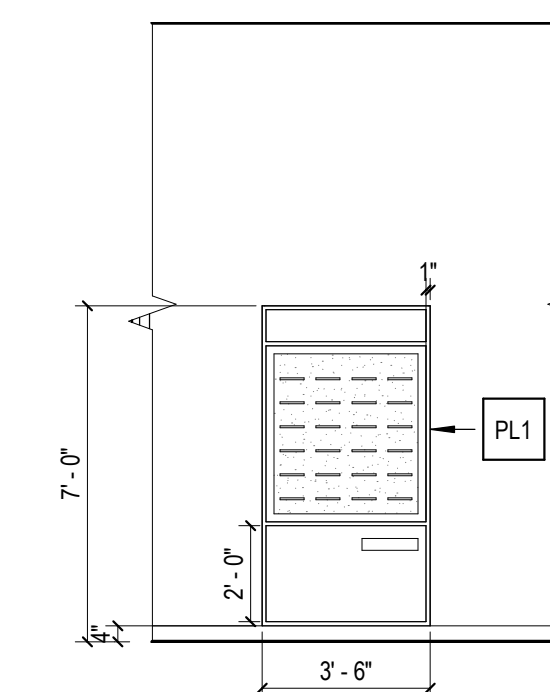
6 MID LEVEL - KITCHEN 202 - E  
1/4" = 1'-0"



7 MID LEVEL - KITCHEN 202 - S  
1/4" = 1'-0"



8 MID LEVEL - KITCHEN 202 - W  
1/4" = 1'-0"



9 MAIN LEVEL - ELEVATOR INFILL SHELF  
1/4" = 1'-0"

SHEET NOTES

- A. SEE SHEET A240 FOR FINISH LEGEND
- B. SEE FINISH PLANS FOR FLOOR AND WALL FINISHES
- C. SEE SHEET A000 FOR TYPICAL SYMBOLS AND ABBREVIATIONS.
- D. FOR INTERIOR DOOR FRONT TYPE SEE A800
- E. FOR WINDOW IDENTIFICATION TAG SEE FLOOR PLANS. FOR WINDOW DIMENSIONS AND DETAILS REFER TO WINDOW SCHEDULE SHEETS
- F. SEE DETAILS IN G100 SHEETS A1000 FOR TYPICAL MOUNTING HEIGHTS, LOCATIONS, GRAB BAR SIZE AND OTHER ACCESSIBILITY DETAIL
- G. ALL ELECTRICAL OUTLETS ABOVE CASEWORK TO BE ORIENTED HORIZONTALLY
- H. ELECTRICAL OUTLETS SHOWN FOR REFERENCE. SEE FOR LOCATIONS
- I. ALL CASEWORK TO BE LOCKABLE U.N.O.
- J. FURNITURE SHOWN FOR REFERENCE ONLY
- K. ALL WALL BASE IS RUBBER BASE, WB, AS NOTED IN FINISH LEGEND, UNO
- L. FOR FINISH MATERIALS, SEE FINISH LEGEND & INTERIOR FINISH SCHEDULE SHEET A240.
- M. ALL GLASS WALL SYSTEMS TO RECEIVE WINDOW FILM WITH CUSTOM FINISH
- N. ALL WALLS TO BE PAINTED IN PTT U.N.O.
- O. ALL INTERIOR DOOR AND WINDOW TRIM TO BE PAINTED UNO, SEE DORR SCHEDULE.
- P. FOR BACKING DETAILS, REFER TO BACKING PLATE SCHEDULE
- Q. ALL DIMENSIONS ARE TO FACE OF FINISH UNO. FOR FRAMING DIMENSIONS SEE DIMENSION PLANS

KEYNOTES

- 09.78 TACKABLE ACOUSTIC PANEL, 1" THICK, NRC .75 MIN UNO.
- 09.79 ACOUSTIC PANEL, 1" THICK, NRC .75 MIN UNO.
- 12.21 GLASS MARKERBOARD



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409 Harvard Avenue, Suite 201  
Claremont, CA 91711

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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**INTERIOR ELEVATIONS**

SCALE: As indicated

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A502



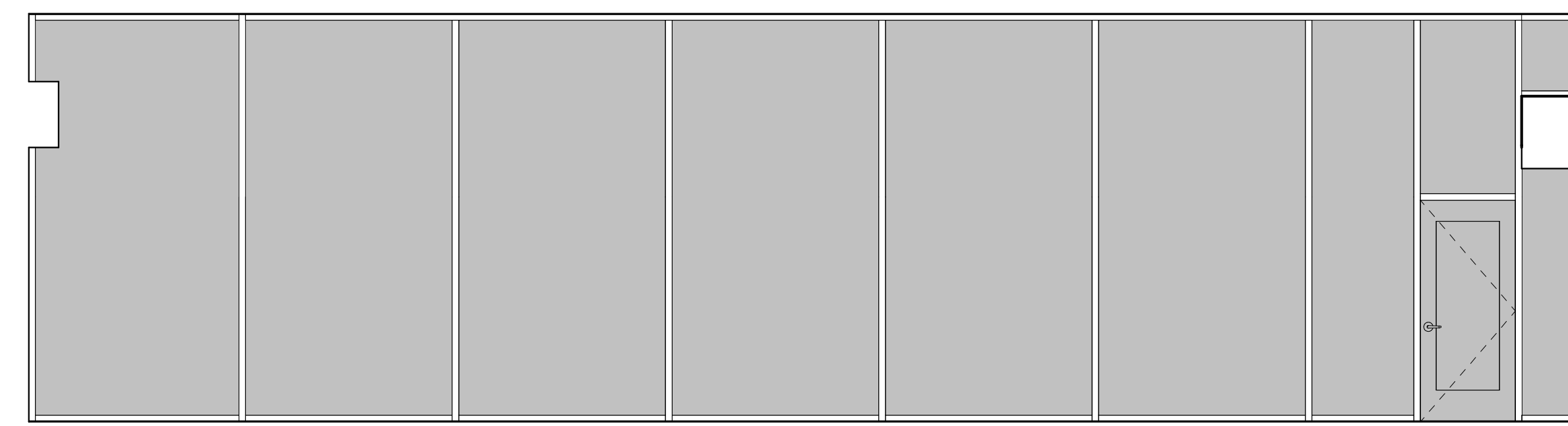
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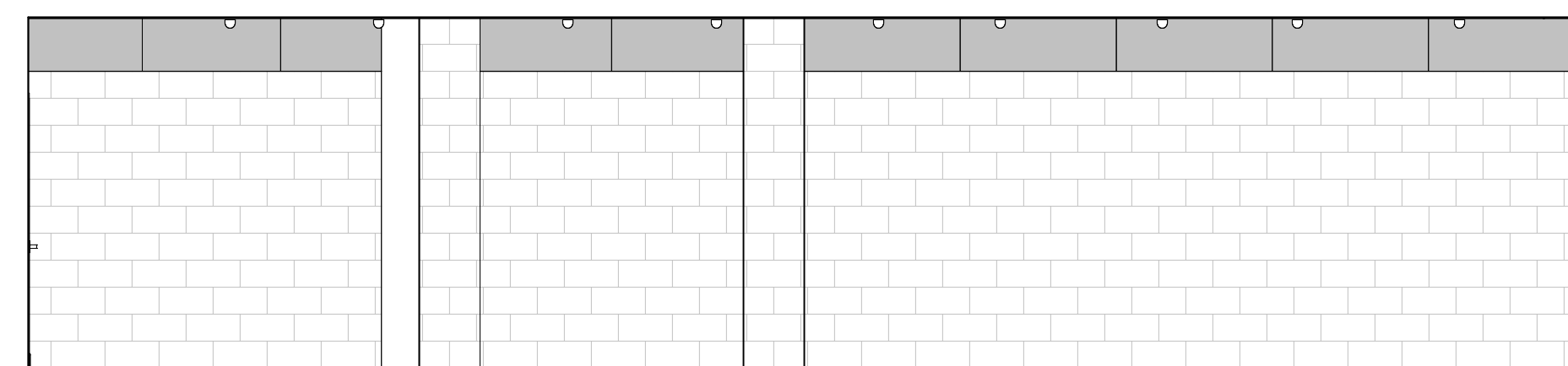
### KEYNOTES



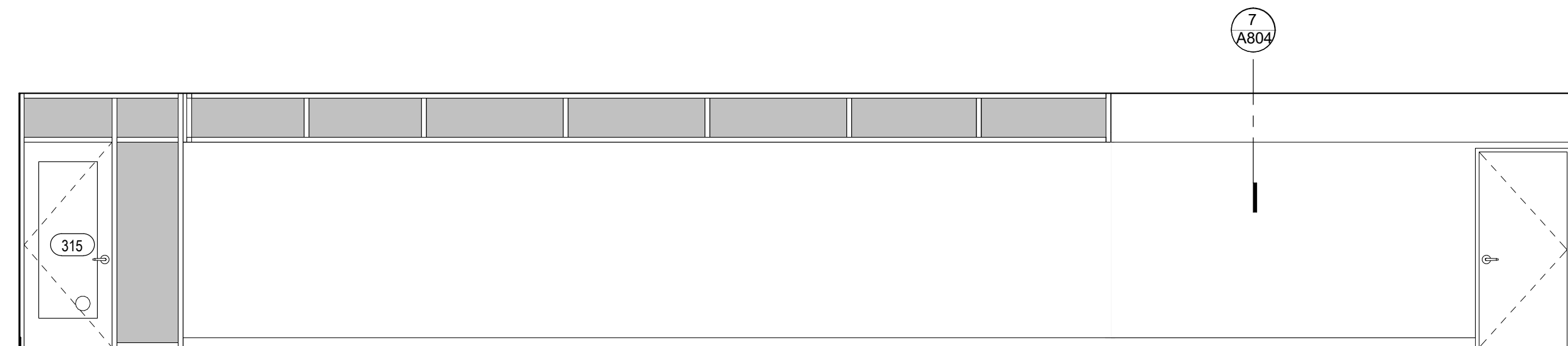
1 MAIN LEVEL - TWEENS 302 - N  
1/4" = 1'-0"



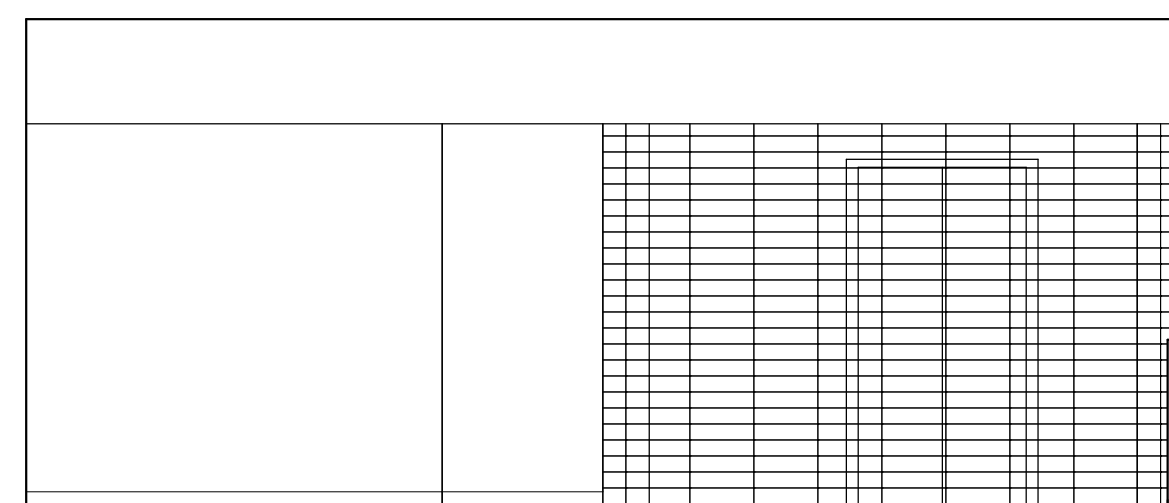
2 MAIN LEVEL - TWEENS 302 - E  
1/4" = 1'-0"



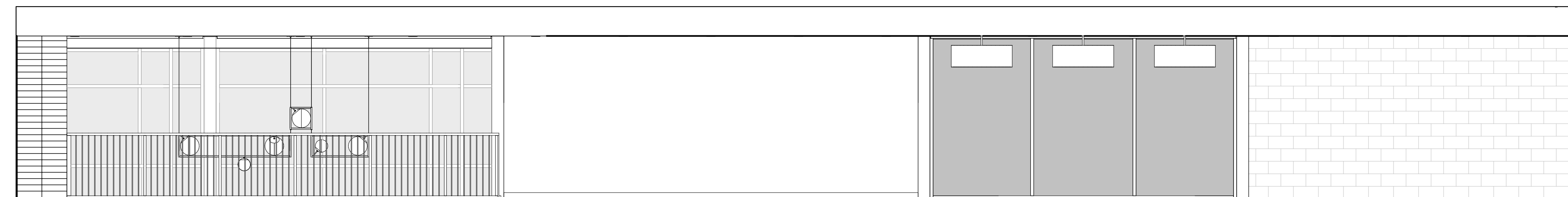
3 MAIN LEVEL - CHILDREN'S 303 - N  
1/4" = 1'-0"



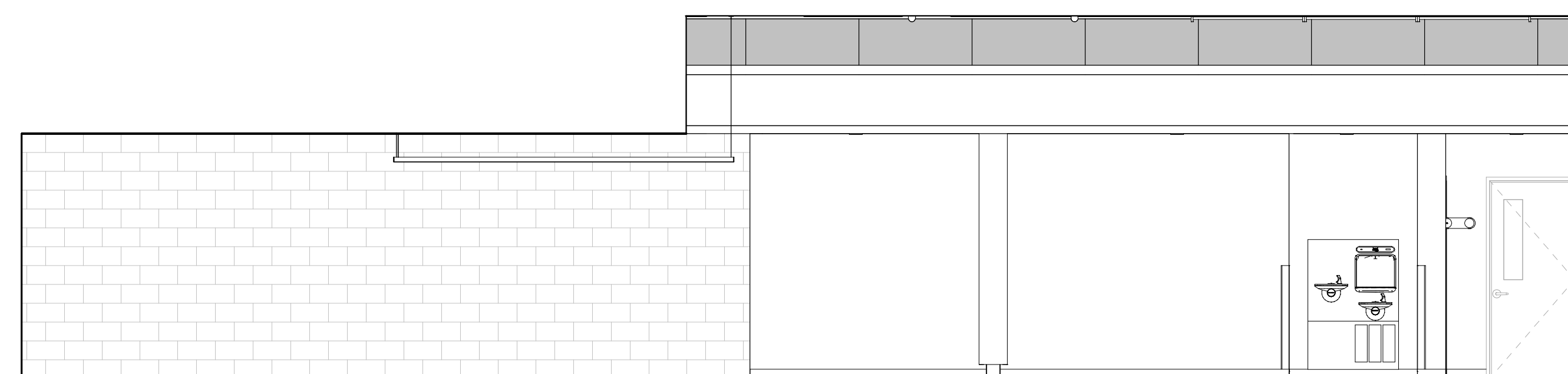
4 MAIN LEVEL - CHILDREN'S 303 - W  
1/4" = 1'-0"



5 MAIN LEVEL - ADULT'S 304 - E  
1/4" = 1'-0"



6 MAIN LEVEL - ADULT'S 304 - S  
1/4" = 1'-0"



7 MAIN LEVEL - ADULT'S 304 - W  
1/4" = 1'-0"

### LEGEND

- GLAZING
- WALL FINISH CALLOUT
- INDICATES TRANSITION OF MATERIAL

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ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**INTERIOR ELEVATIONS**

SCALE: As indicated

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A503



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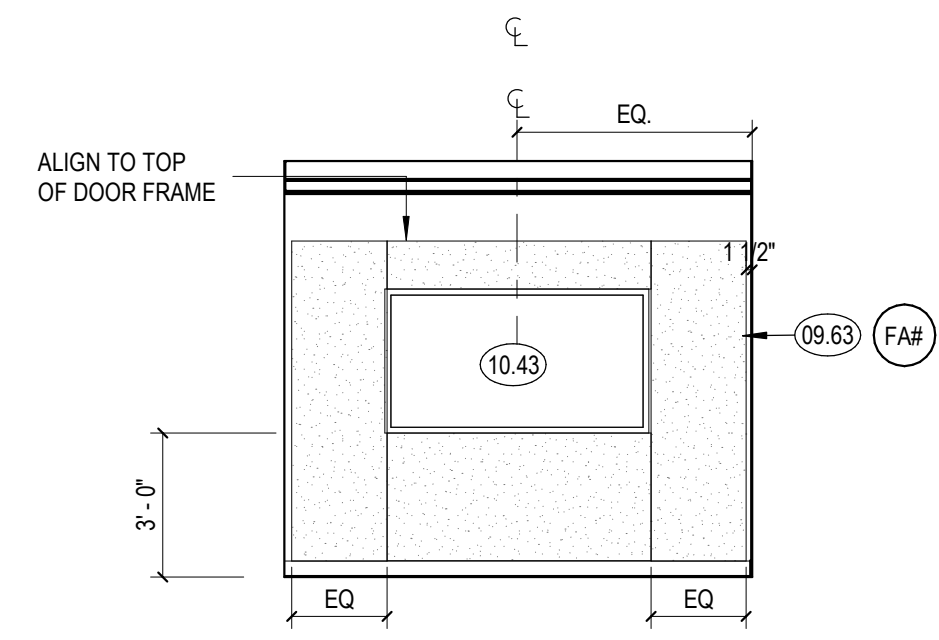
325 South First Street, 4th Floor  
San Jose, California 95113  
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Claremont, CA 91711

### SHEET NOTES

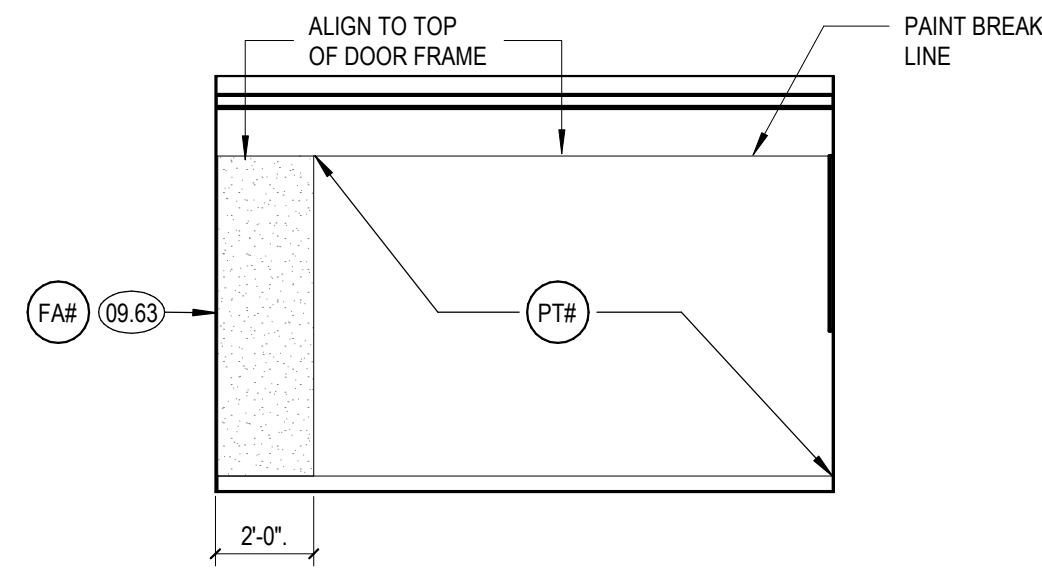
- A. SEE SHEET A240 FOR FINISH LEGEND
- B. SEE FINISH PLANS FOR FLOOR AND WALL FINISHES
- C. SEE SHEET A000 FOR TYPICAL SYMBOLS AND ABBREVIATIONS.
- D. FOR INTERIOR DOOR FRONT TYPE SEE A800
- E. FOR WINDOW IDENTIFICATION TAG SEE FLOOR PLANS. FOR WINDOW DIMENSIONS AND DETAILS REFER TO WINDOW SCHEDULE SHEETS
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- Q. ALL DIMENSIONS ARE TO FACE OF FINISH UNO. FOR FRAMING DIMENSIONS SEE DIMENSION PLANS

### KEYNOTES

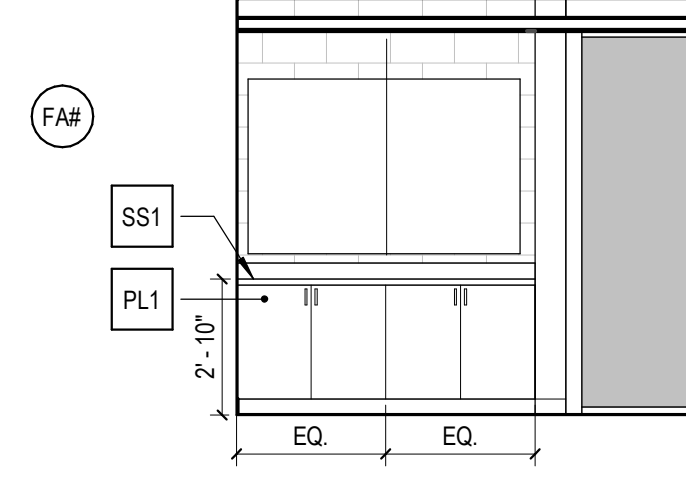
- 09.63 TACKLE ACUSTIC PANEL, 1" THICK, NRC .75 MIN UNO.
- 09.78 ACUSTIC PANEL, 1" THICK, NRC .75 MIN UNO.
- 09.79 ACUSTIC PANEL, 1" THICK, NRC .75 MIN UNO.
- 09.80 ALIGN PANEL TO TOP OF DOOR FRAME
- 10.43 WALL MOUNTED TV



1 MAIN LEVEL - MEETING ROOM 305 - N  
1/4" = 1'-0"



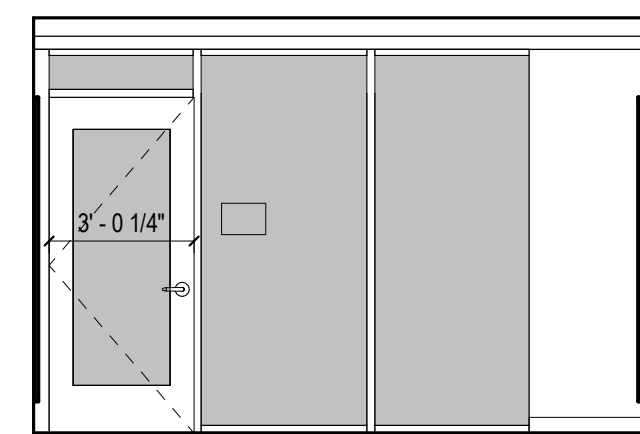
2 MAIN LEVEL - MEETING ROOM 305 - E  
1/4" = 1'-0"



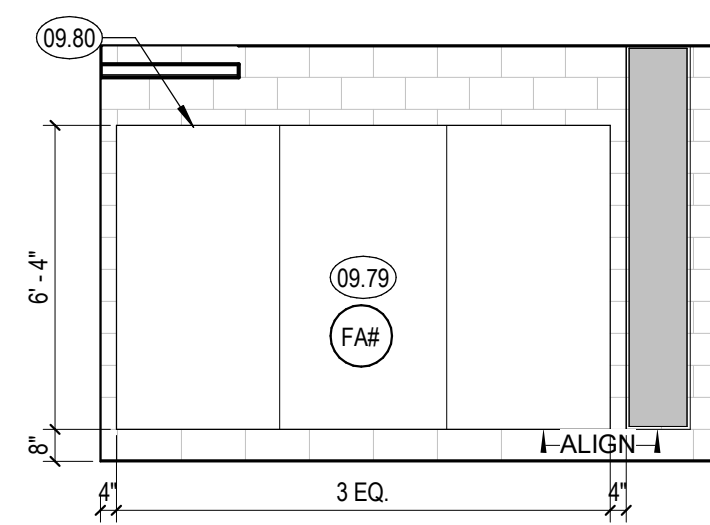
3 MAIN LEVEL - MEETING ROOM 305 - S  
1/4" = 1'-0"



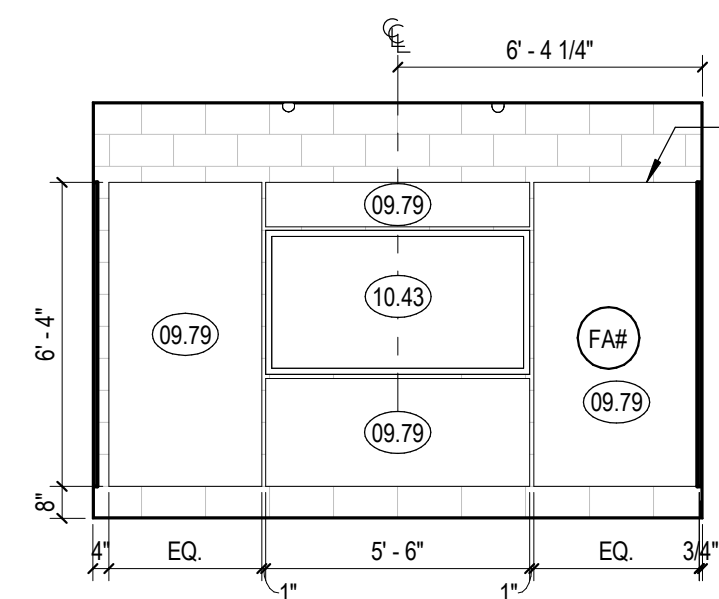
4 MAIN LEVEL - MEETING ROOM 305 - W  
1/4" = 1'-0"



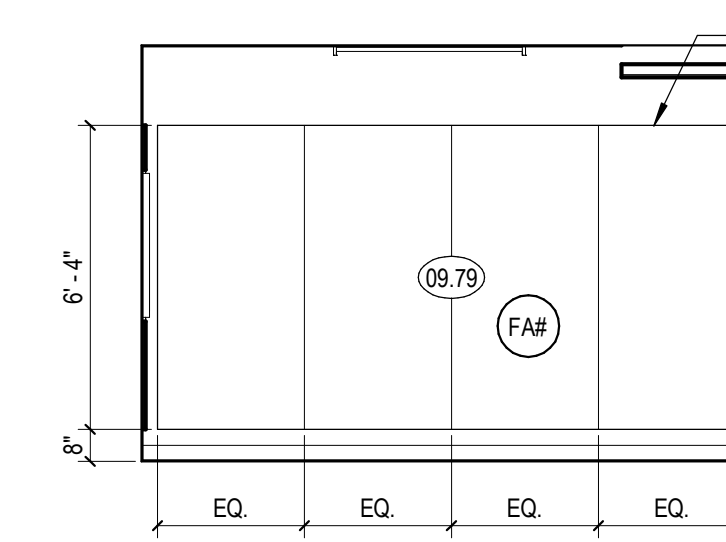
5 MAIN LEVEL - GAMING ROOM 306 - N  
1/4" = 1'-0"



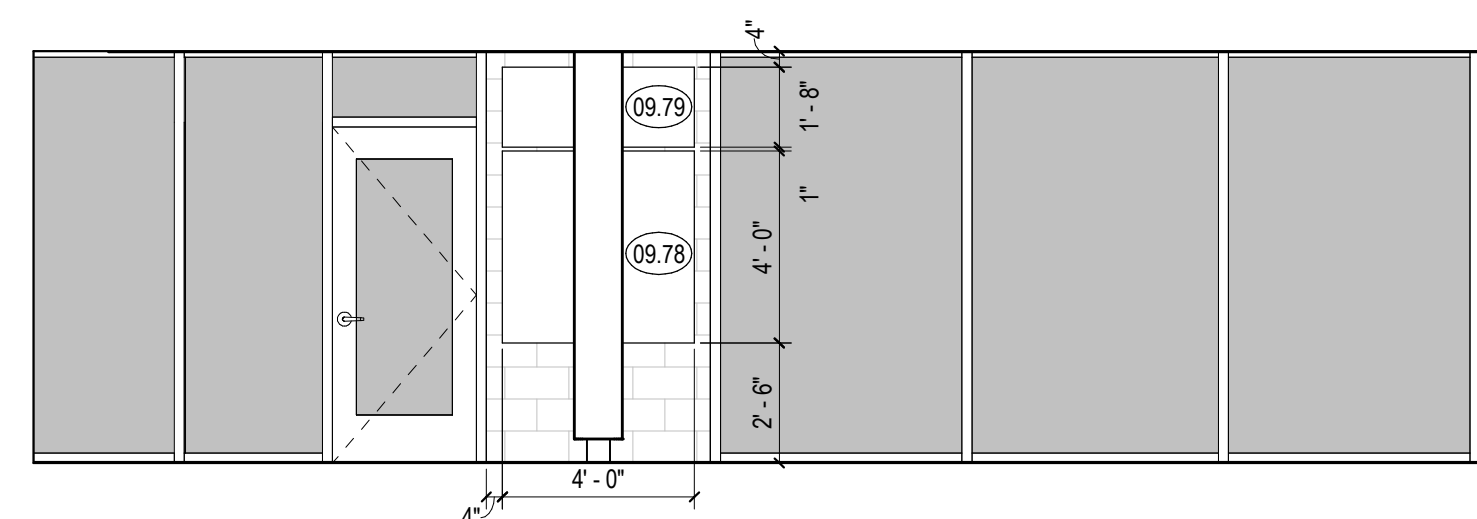
6 MAIN LEVEL - GAMING ROOM 306 - E  
1/4" = 1'-0"



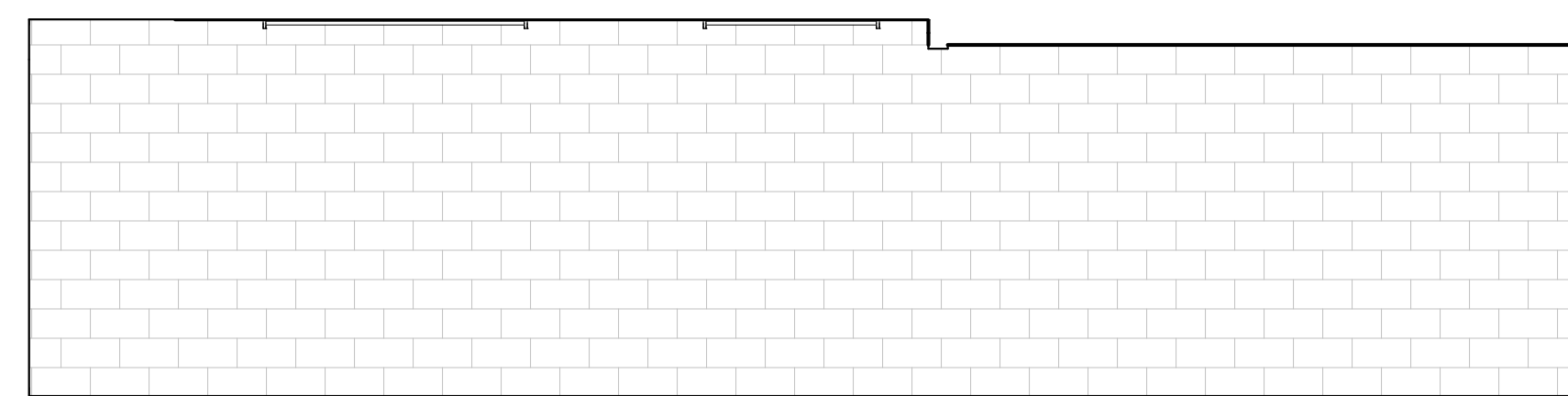
7 MAIN LEVEL - GAMING ROOM 306 - S  
1/4" = 1'-0"



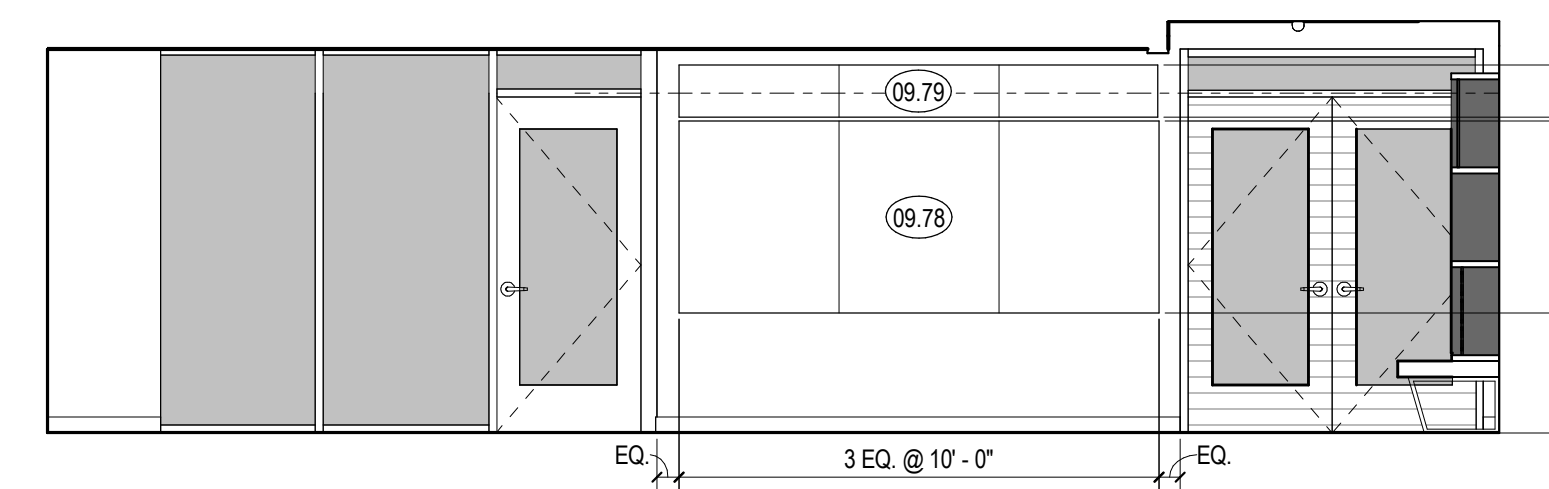
8 MAIN LEVEL - GAMING ROOM 306 - W  
1/4" = 1'-0"



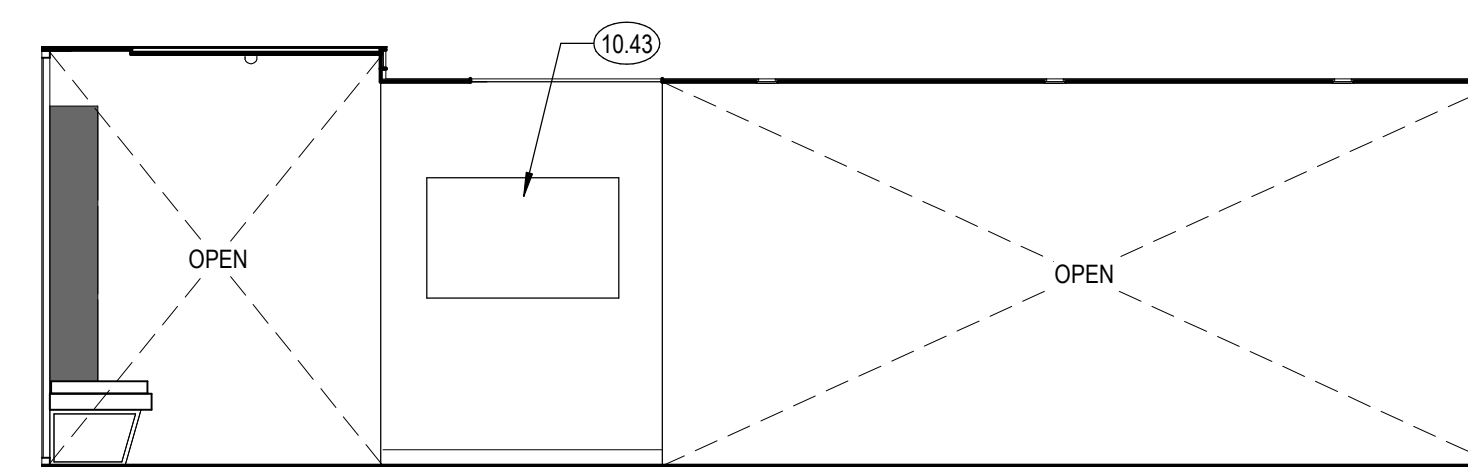
9 MAIN LEVEL - YOUNG ADULTS 307 - N  
1/4" = 1'-0"



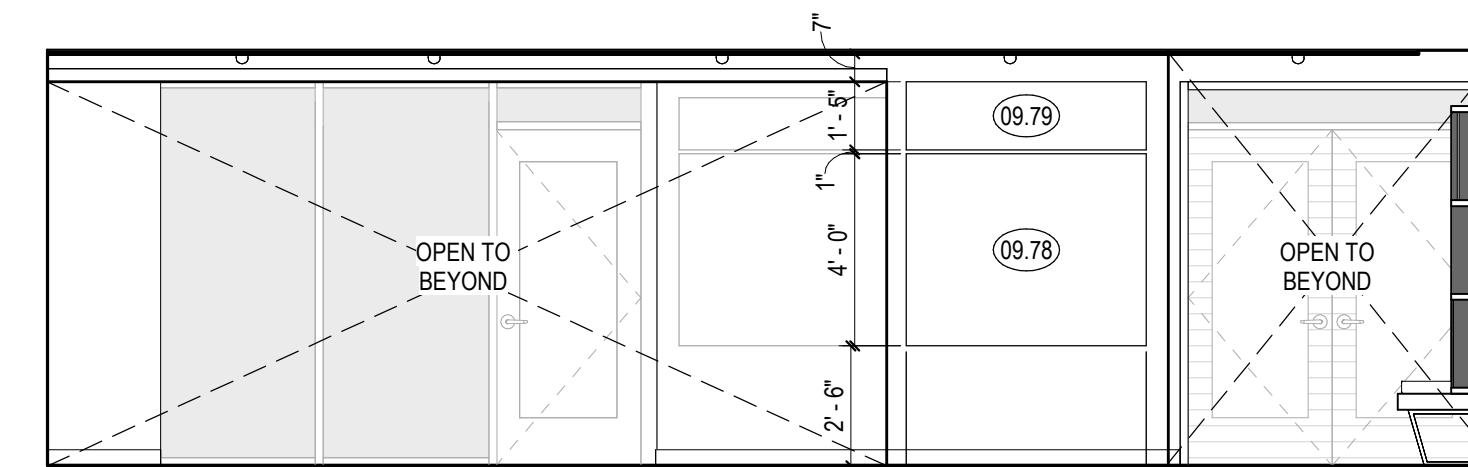
10 MAIN LEVEL - YOUNG ADULTS 307 - E  
1/4" = 1'-0"



11 MAIN LEVEL - YOUNG ADULTS 307 - S  
1/4" = 1'-0"



12 MAIN LEVEL - YOUNG ADULTS 307 TV WALL - N  
1/4" = 1'-0"



13 MAIN LEVEL - YOUNG ADULTS 307 TV WALL - S  
1/4" = 1'-0"

### LEGEND

- GLAZING
- WALL FINISH CALLOUT
- INDICATES TRANSITION OF MATERIAL

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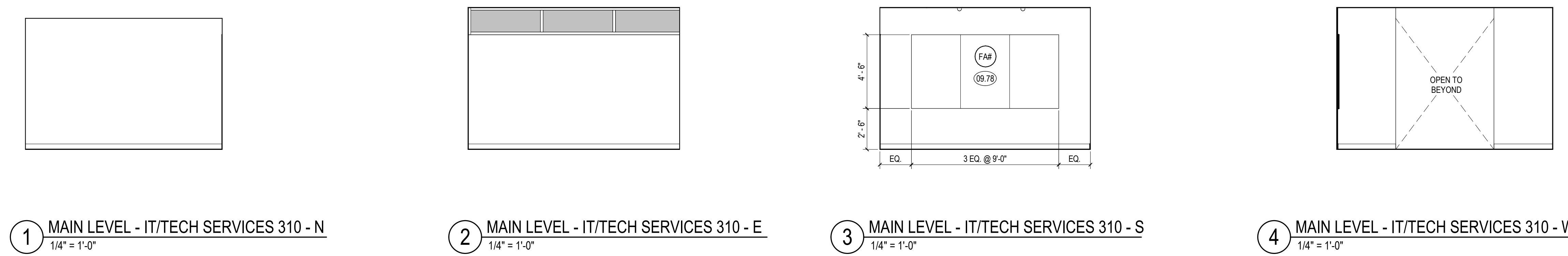
A504

SHEET NOTES

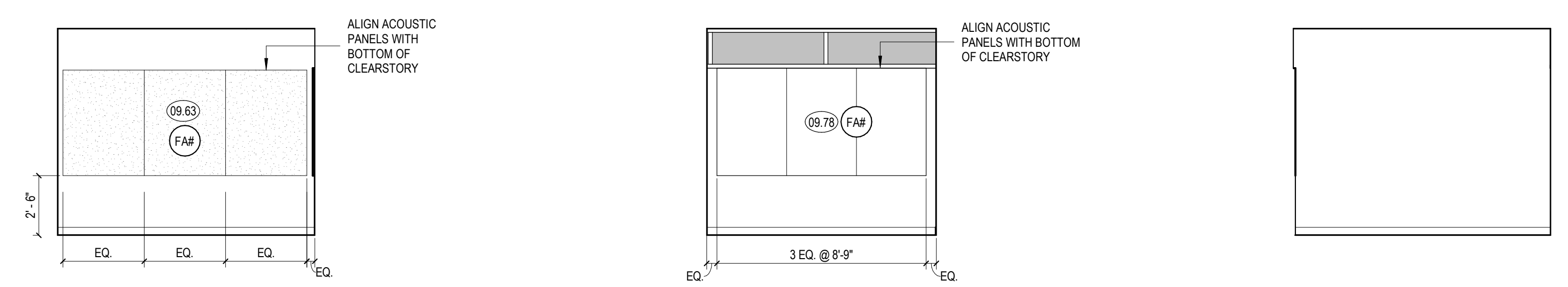
- A. SEE SHEET A240 FOR FINISH LEGEND
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KEYNOTES

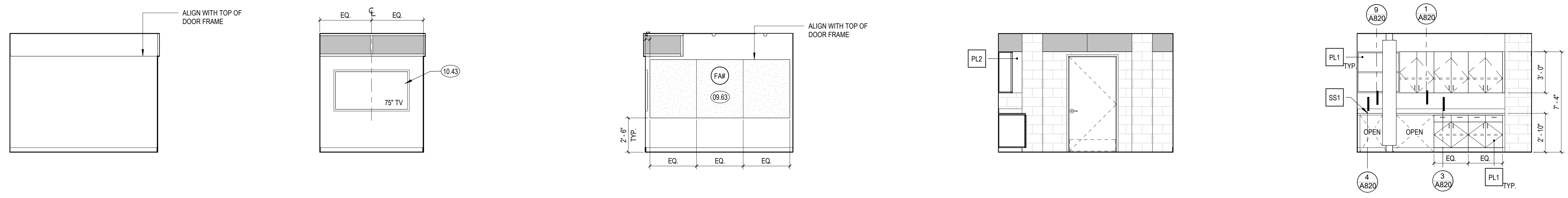
- 09.63 TACKLE ACQUSTIC PANEL, 1" THICK NRC, 75 MIN UNO.
- 09.78 WALL MOUNTED TV
- 10.56 DISHWASHER, CFCU
- 10.61 MICROWAVE CABINET



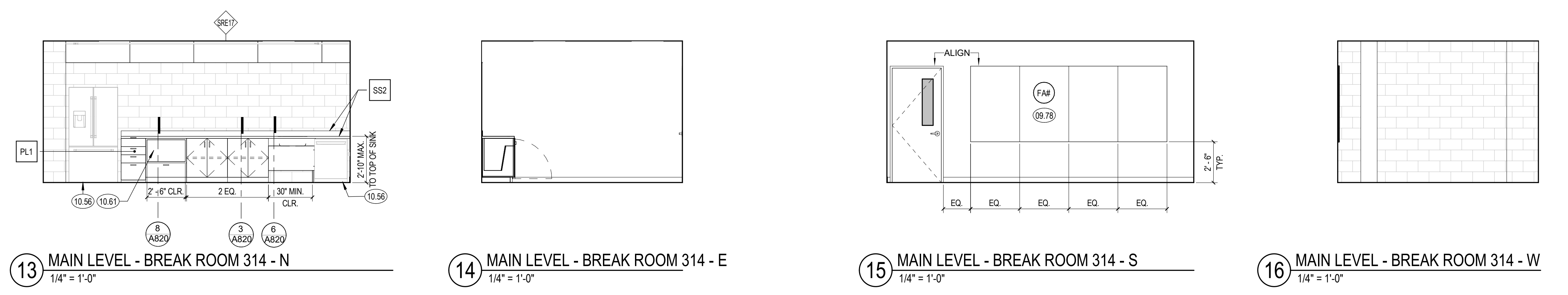
1 MAIN LEVEL - IT/TECH SERVICES 310 - N 1/4" = 1'-0"  
 2 MAIN LEVEL - IT/TECH SERVICES 310 - E 1/4" = 1'-0"  
 3 MAIN LEVEL - IT/TECH SERVICES 310 - S 1/4" = 1'-0"  
 4 MAIN LEVEL - IT/TECH SERVICES 310 - W 1/4" = 1'-0"



5 MAIN LEVEL - FINANCE OFFICE 311 - N 1/4" = 1'-0"  
 6 MAIN LEVEL - FINANCE OFFICE 311 - E 1/4" = 1'-0"  
 7 MAIN LEVEL - FINANCE OFFICE 311 - S 1/4" = 1'-0"

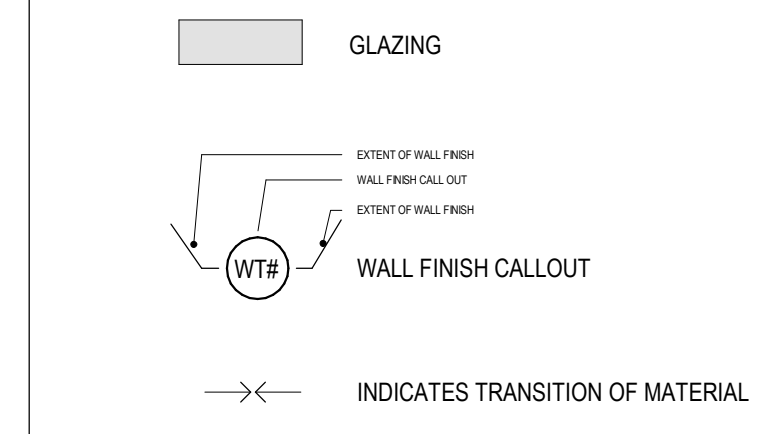


8 MAIN LEVEL - MEETING ROOM 312 - N 1/4" = 1'-0"  
 9 MAIN LEVEL - MEETING ROOM 312 - E 1/4" = 1'-0"  
 10 MAIN LEVEL - MEETING ROOM 312 - S 1/4" = 1'-0"  
 11 MAIN LEVEL - RECEIVING 313 - N 1/4" = 1'-0"  
 12 MAIN LEVEL - RECEIVING 313 - W 1/4" = 1'-0"



13 MAIN LEVEL - BREAK ROOM 314 - N 1/4" = 1'-0"  
 14 MAIN LEVEL - BREAK ROOM 314 - E 1/4" = 1'-0"  
 15 MAIN LEVEL - BREAK ROOM 314 - S 1/4" = 1'-0"  
 16 MAIN LEVEL - BREAK ROOM 314 - W 1/4" = 1'-0"

LEGEND



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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
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PROJECT NO. 2111010

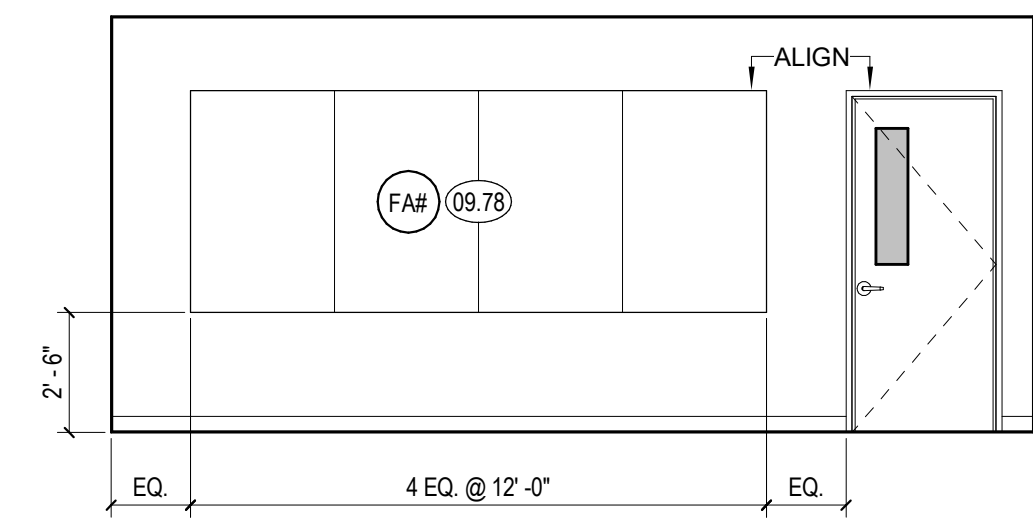
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SHEET TITLE:

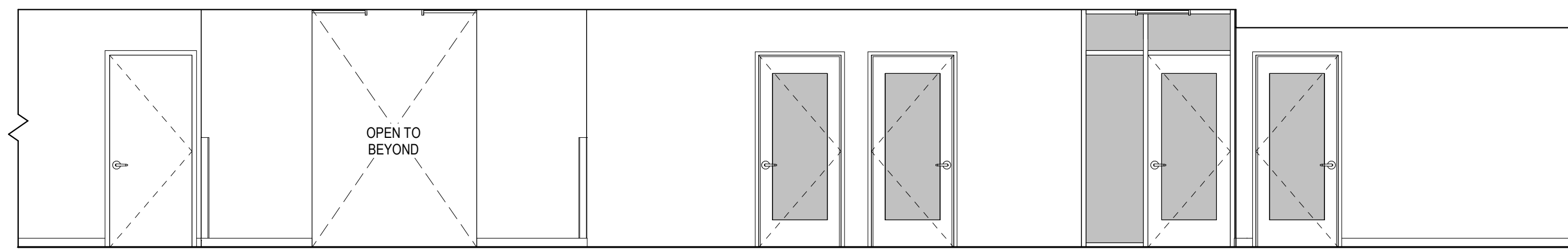
**INTERIOR ELEVATIONS**

SCALE: As indicated

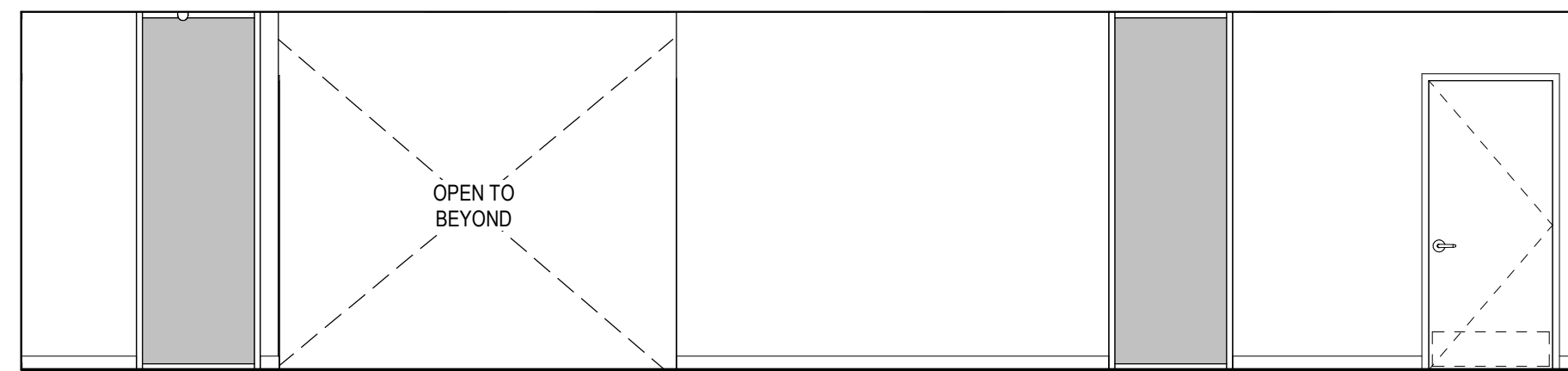
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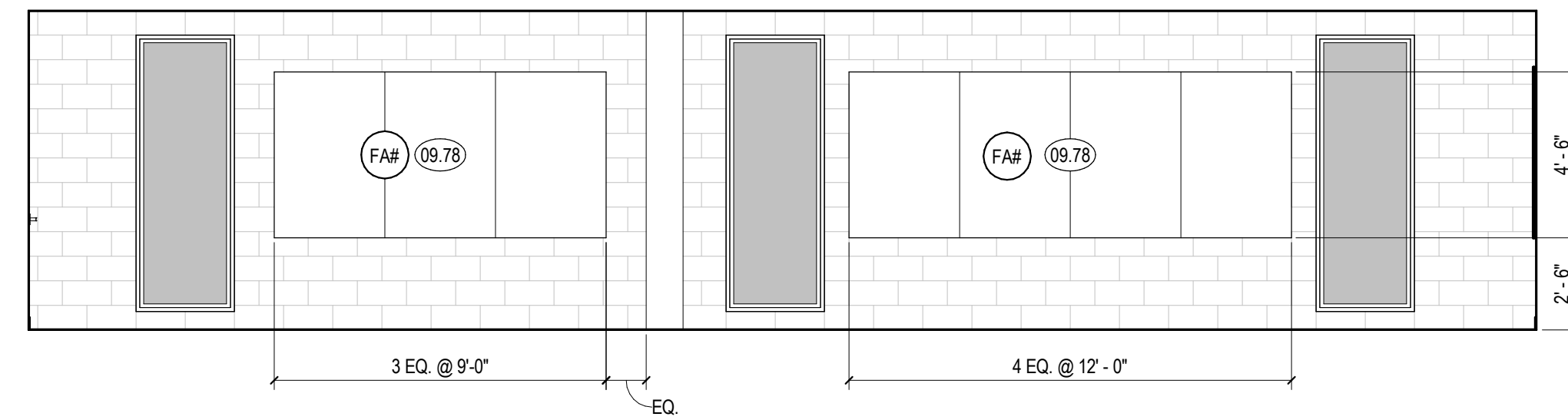
1 MAIN LEVEL - OPEN WORK AREA 315 - N  
1/4" = 1'-0"



2 MAIN LEVEL - OPEN WORK AREA 315 - E  
1/4" = 1'-0"



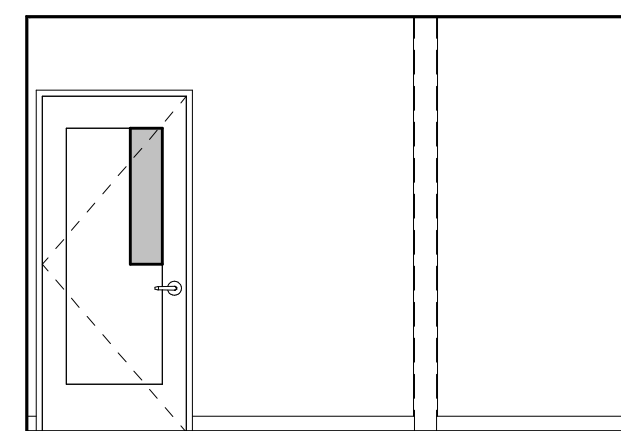
3 MAIN LEVEL - OPEN WORK AREA 315 - S  
1/4" = 1'-0"



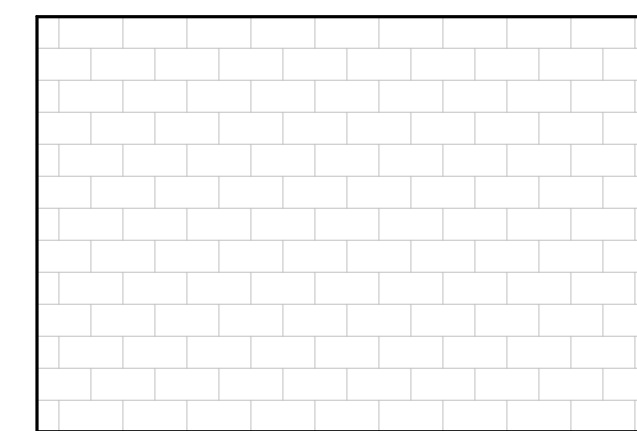
4 MAIN LEVEL - OPEN WORK AREA 315 - W  
1/4" = 1'-0"



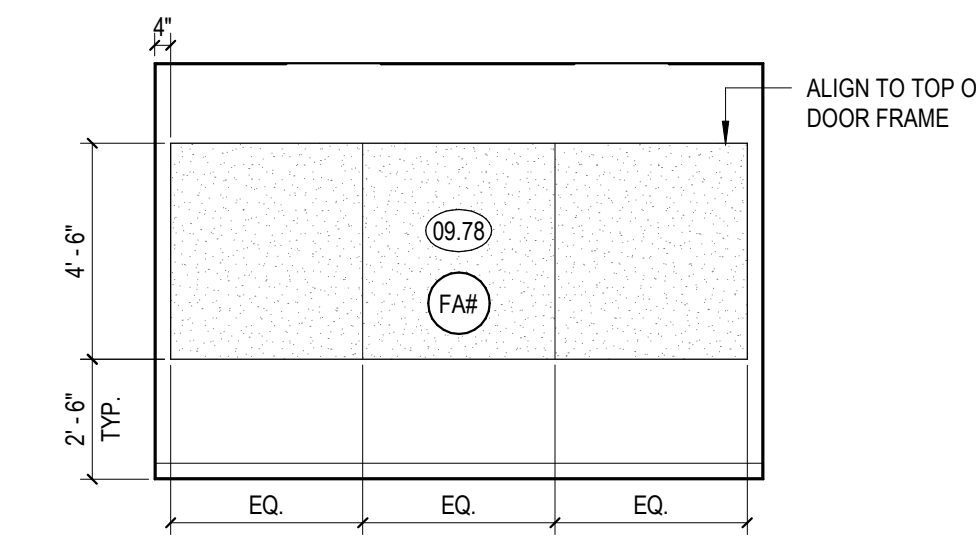
5 MAIN LEVEL - DIR. OFFICE 317 - N  
1/4" = 1'-0"



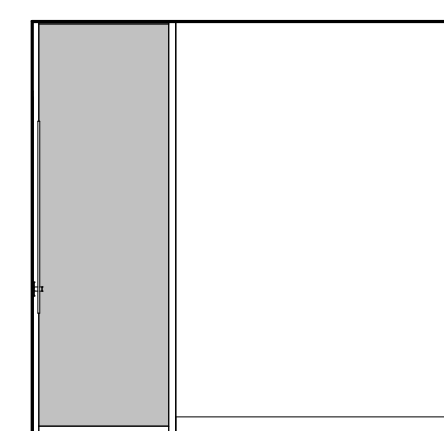
6 MAIN LEVEL - DIR. OFFICE 317 - E  
1/4" = 1'-0"



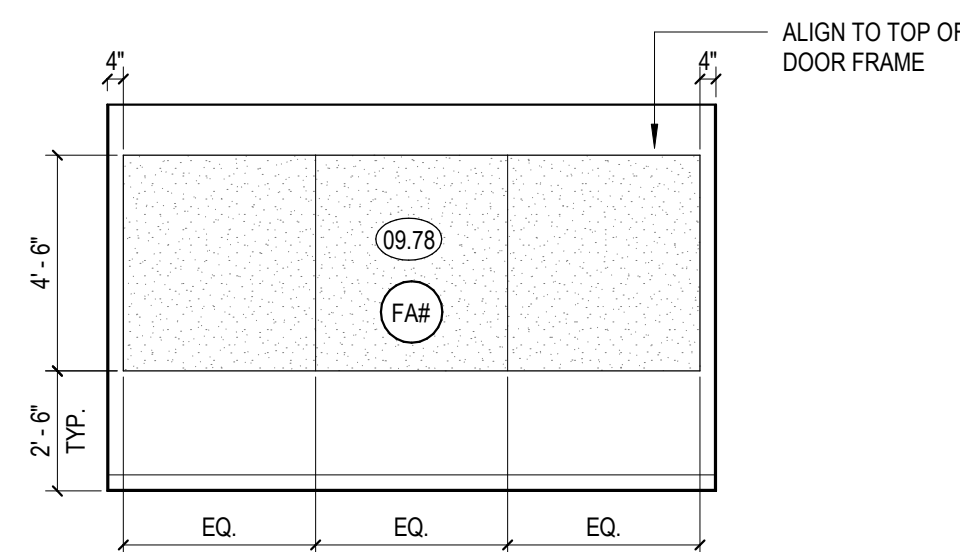
7 MAIN LEVEL - DIR. OFFICE 317 - S  
1/4" = 1'-0"



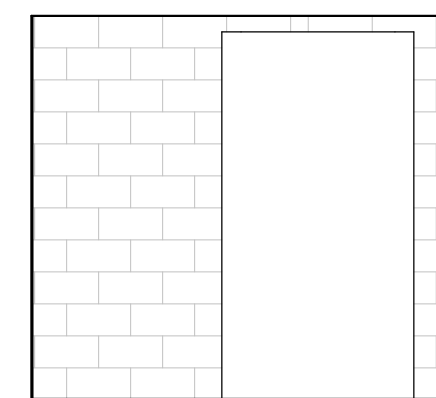
8 MAIN LEVEL - DIR. OFFICE 317 - W  
1/4" = 1'-0"



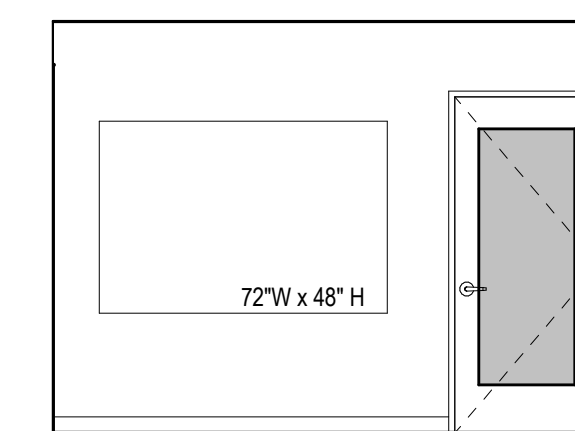
9 MAIN LEVEL - ASST. DIR. OFF. 318 - N  
1/4" = 1'-0"



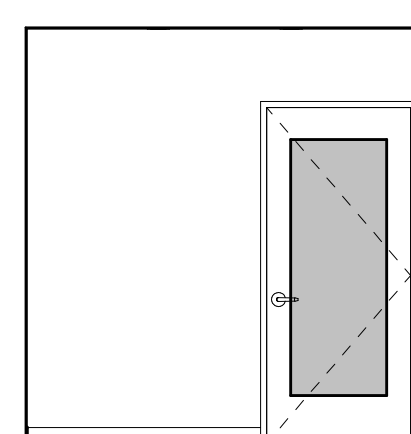
10 MAIN LEVEL - ASST. DIR. OFF. 318 - E  
1/4" = 1'-0"



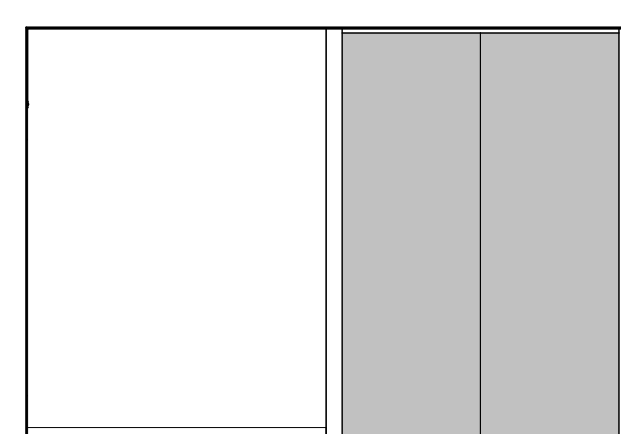
11 MAIN LEVEL - ASST. DIR. OFF. 318 - S  
1/4" = 1'-0"



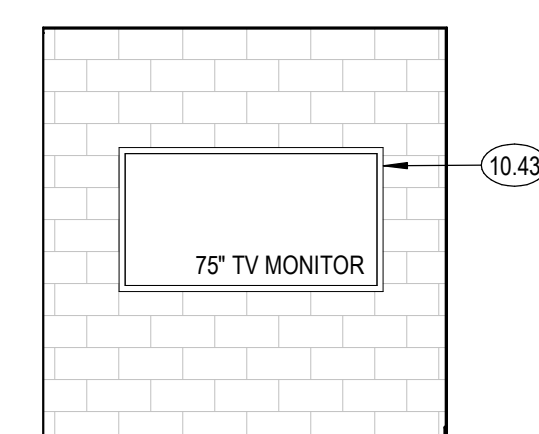
12 MAIN LEVEL - ASST. DIR. OFF. 318 - W  
1/4" = 1'-0"



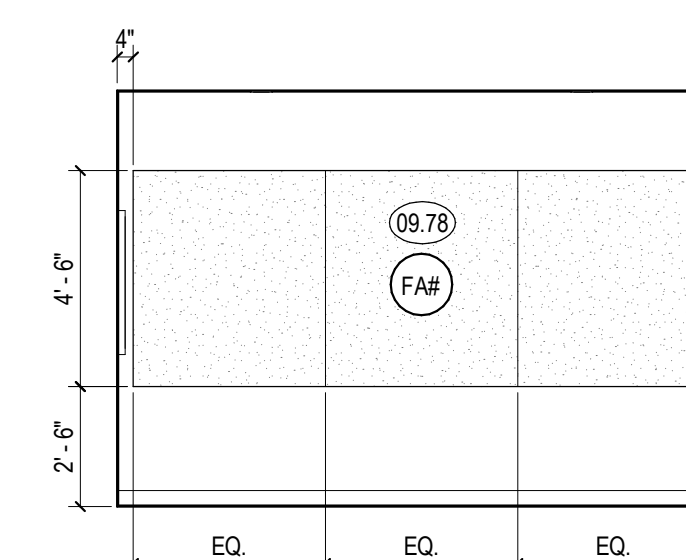
13 MAIN LEVEL - MEETING ROOM 319 - N  
1/4" = 1'-0"



14 MAIN LEVEL - MEETING ROOM 319 - E  
1/4" = 1'-0"



15 MAIN LEVEL - MEETING ROOM 319 - S  
1/4" = 1'-0"



16 MAIN LEVEL - MEETING ROOM 319 - W  
1/4" = 1'-0"

SHEET NOTES

- A. SEE SHEET A240 FOR FINISH LEGEND
- B. SEE FINISH PLANS FOR FLOOR AND WALL FINISHES
- C. SEE SHEET A000 FOR TYPICAL SYMBOLS AND ABBREVIATIONS.
- D. FOR INTERIOR DOOR FRONT TYPE SEE A600
- E. FOR WINDOW IDENTIFICATION TAG SEE FLOOR PLANS. FOR WINDOW DIMENSIONS AND DETAILS REFER TO WINDOW SCHEDULE SHEETS
- F. SEE DETAILS IN 0100 SHEETS A10.00 FOR TYPICAL MOUNTING HEIGHTS, LOCATIONS, GRAB BAR SIZE AND OTHER ACCESSIBILITY DETAIL
- G. ALL ELECTRICAL OUTLETS ABOVE CASEWORK TO BE ORIENTED HORIZONTALLY
- H. ELECTRICAL OUTLETS SHOWN FOR REFERENCE. SEE FOR LOCATIONS
- I. ALL CASEWORK TO BE LOCKABLE U.N.O.
- J. FURNITURE SHOWN FOR REFERENCE ONLY
- K. ALL WALL BASE IS RUBBER BASE, WEL. AS NOTED IN FINISH LEGEND, UNO
- L. FOR FINISH MATERIALS, SEE FINISH LEGEND & INTERIOR FINISH SCHEDULE SHEET A240.
- M. ALL GLASS WALL SYSTEMS TO RECEIVE WINDOW FILM WITH CUSTOM FINISH
- N. ALL WALLS TO BE PAINTED IN PTT U.N.O.
- O. ALL INTERIOR DOOR AND WINDOW TRIM TO BE PAINTED UNO. SEE DORR SCHEDULE.
- P. FOR BACKING DETAILS, REFER TO BACKING PLATE SCHEDULE
- Q. ALL DIMENSIONS ARE TO FACE OF FINISH UNO. FOR FRAMING DIMENSIONS SEE DIMENSION PLANS

KEYNOTES

- 09.78 TACKABLE ACOUSTIC PANEL, 1" THICK, NRC .75 MIN UNO.
- 10.43 WALL MOUNTED TV

LEGEND

- GLAZING
- GLAZING CALLOUT
- WALL FINISH CALLOUT
- INDICATES TRANSITION OF MATERIAL



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325 South First Street, 4th Floor  
San Jose, California 95113  
408.298.1885 | www.aba-arch.com  
409 Harvard Avenue, Suite 201  
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NO.	DATE	REVISIONS

PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

INTERIOR ELEVATIONS

SCALE: As indicated

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A506



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SHEET NOTES

- GENERAL NOTES:**
- CASING AROUND ALL NEW DOORS TO MATCH EXISTING DOORS. CONTRACTOR TO VERIFY IN FIELD.
  - SH DOOR TYPES ARE STOREFRONT ASSEMBLIES. SEE SHEET A610
  - CASING TO BE PAINT GRADE - FT1. SEE FINISH LEGEND A240
  - DOOR OPERATION AND HARDWARE: EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.
  - DOOR HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING DEVICES TO BE ACCESSIBLE BY CHAPTER 11A OR 11B OF THE CALIFORNIA BUILDING CODE - SHALL NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING OR TWISTING OF THE WRIST TO OPERATE.
  - REFER TO SPECIFICATIONS FOR DOOR HARDWARE GROUP
  - DOOR HARDWARE ARE OPERABLE WITH ONE HAND AND DO NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE HAND. CBC 11B-404.2.7 AND 11B-309.4.
  - DOOR THRESHOLDS, IF PROVIDED AT DOORWAYS, TO BE 3/4" HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH CBC SECTION 11B-302 AND 11B-303. CBC 11B-404.2.5.
  - DOOR OPENING FORCE TO NOT EXCEED 5-POUNDS FOR INTERIOR AND EXTERIOR DOORS PER CBC 11B-404.2.9.
  - DOOR OPENING HARDWARE TO BE MOUNTED AT 34" TO 44" ABOVE THE FINISH FLOOR PER CBC 11B-404.2.7.
  - LOWER 10 INCH OF THE DOOR SURFACE IS PROVIDED WITH A SMOOTH SURFACE FOR THE FULL WIDTH OF THE DOOR, AT THE PUSH SIDE OF THE DOOR PER CBC 11B-404.2.10.
- SPECIFIC NOTES:**
- DOOR INSTALLED INTO (E) OPENING. VERIFY OPENING DIMENSIONS IN FIELD.
  - PROVIDE DOOR HOLD OPEN BRACKETS ON ADJ. WALL.

**ABBREVIATIONS**  
ALM ALUMINUM  
HM HOLLOW METAL  
CT CLEAR TEMPERED GLAZING

EXISTING (E) TO REMAIN DOOR SCHEDULE

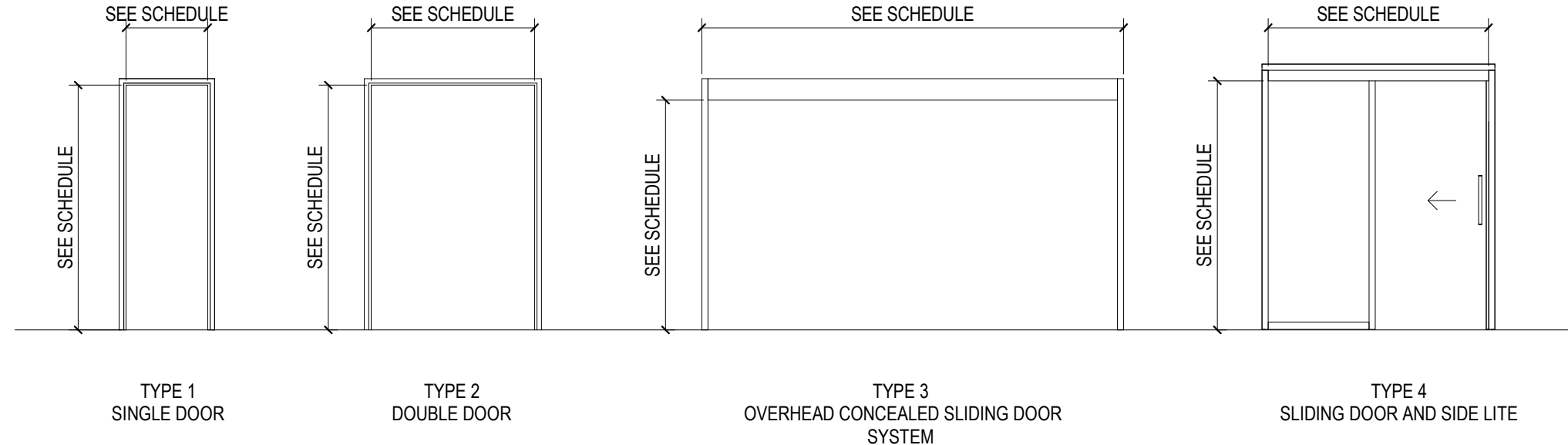
NUMBER	TYPE	DOOR		MATERIAL		FINISH		FIRE RATING	HARDWARE GROUP	PANIC HARDWARE	CLOSER	REMARKS
		WIDTH	HEIGHT	TYPE	FINISH	TYPE	FINISH					
LOWER LEVEL												
E100	A1	VIF	VIF									
MID-LEVEL												
E201A	(E)	VIF	VIF							Yes		
MAIN LEVEL												
E300												
E301	S3							ALM				

BASE BID DOOR SCHEDULE

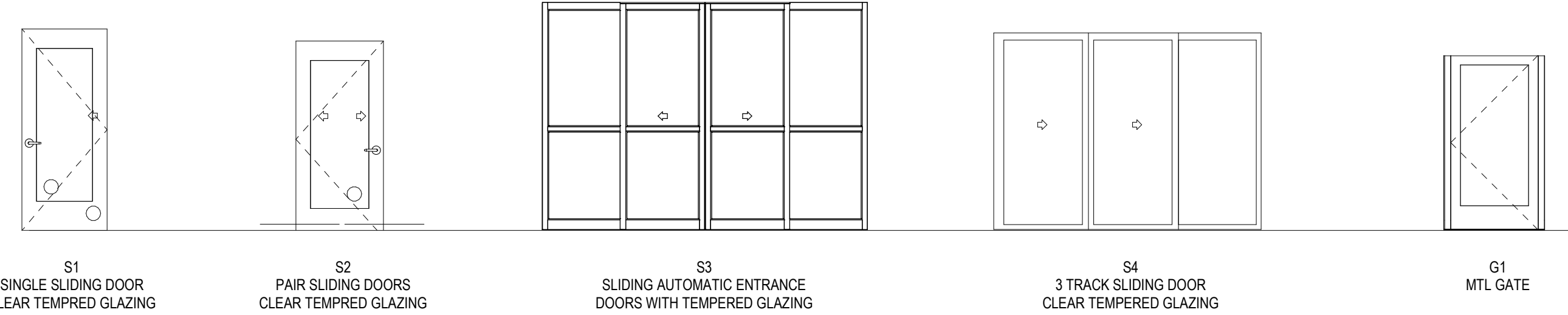
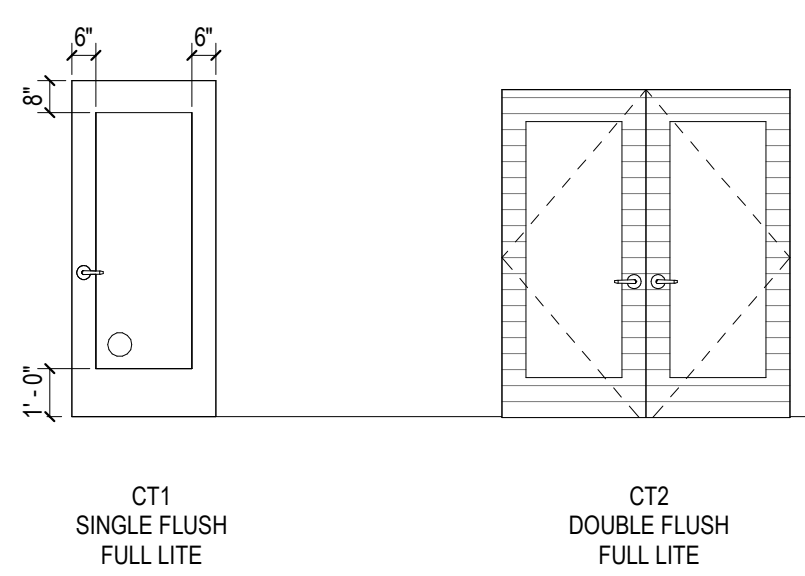
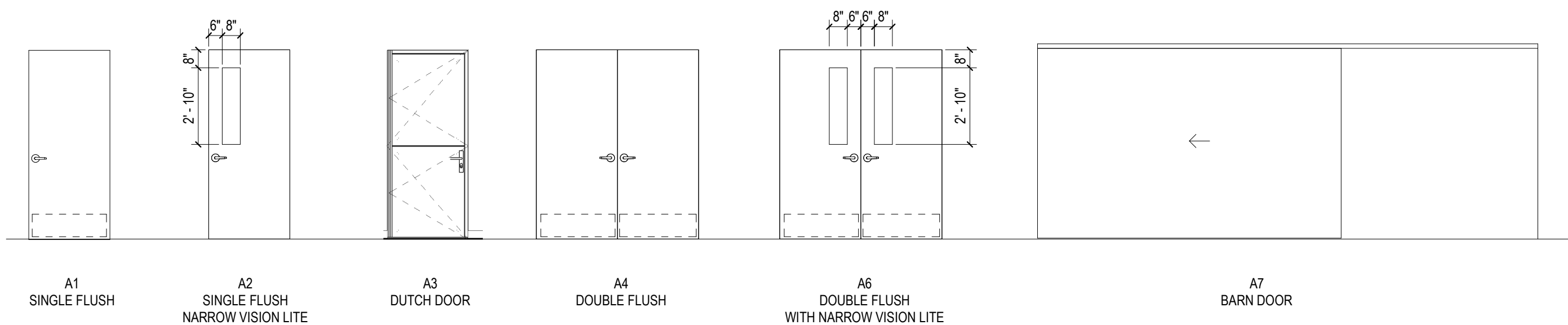
NUMBER	TYPE	DOOR		MATERIAL		FINISH		FIRE RATING	HARDWARE GROUP	PANIC HARDWARE	CLOSER	REMARKS
		WIDTH	HEIGHT	TYPE	FINISH	TYPE	FINISH					
LOWER LEVEL												
100A	S3	11'-5 1/2"	8'-5 3/4"	ALM/CT								
100B	CT1	3'-0"	7'-0"	ALM						Yes	Yes	
101	CT2	6'-0"	7'-0"	WD								
102	A1	3'-0"	7'-0"	WD								PROVIDE ADDITIONAL SOUND CONTROL - STC 45
103	A1	3'-0"	7'-0"	WD								
104	A1	3'-0"	7'-0"	WD								
105	A4	6'-0"	7'-0"	WD								
106	CT1	3'-0"	7'-0"	ALM								
107	CT1	2'-11"	7'-0"	ALM								
108	CT1	3'-0"	7'-0"									
109	CT1	3'-0"	7'-0"									
110	CT1	3'-0"	7'-0"									
111	CT1	2'-6"	6'-8"	ALM								
112	A1	3'-0"	6'-8"	WD								
112B	CT1	3'-0"	7'-0"	ALM						Yes	Yes	
113A	A1	2'-4"	7'-0"	WD								
113B	A1	2'-4"	7'-0"	WD								
113C	A1	2'-4"	7'-0"	WD								
113D	A1	3'-0"	7'-0"	WD								
114	A1	3'-0"	7'-0"	HM								
MID-LEVEL												
200	CT1	3'-0"	6'-8"	ALM/CT								
201B	A6	6'-0"	7'-0"	WD						Yes		
201C	S2	9'-7"	7'-0"	ALM/CT								
202	A1	3'-0"	6'-8"	WD								
202A	A1	3'-0"	7'-0"	WD								
202B	A3	3'-0"	7'-0"	WD								
203	A1	3'-0"	7'-0"	WD								
204	G1	3'-0"	6'-0"									
MAIN LEVEL												
302	CT1	3'-0"	7'-0"	ALM								
303	A2	3'-0"	7'-0"	HM						Yes	Yes	
305	CT1	3'-0"	7'-0"	WD								
306	CT1	3'-0"	7'-0"	ALM								
307A	CT2	6'-0"	7'-0"	WD								
307B	CT1	3'-0"	7'-0"	ALM								
308	A1	3'-0"	6'-8"	WD								Yes
309	A1	3'-0"	7'-0"	WD								Yes
311	CT1	3'-0"	7'-0"	WD								
312	CT1	3'-0"	7'-0"	WD								
313	A1	3'-6"	7'-0"	HM								
314A	A2	3'-0"	7'-0"	WD								Yes
315	CT1	3'-0"	7'-0"	WD								
316A	A1	3'-0"	7'-0"	WD								Yes
317	CT1	3'-0"	7'-0"	WD								
318	CT1	3'-0"	7'-0"	WD								
319	CT1	3'-0"	7'-0"	WD								
320	A1	3'-0"	6'-8"	WD								
320A	A1	2'-4"	7'-0"	WD								
320B	A1	2'-4"	7'-0"	WD								
320C	A1	2'-4"	7'-0"	WD								
320D	A1	3'-0"	7'-0"	WD								
321	A1	3'-0"	7'-0"	WD								

ADD ALTERNATE DOOR SCHEDULE

PHASING	NUMBER	TYPE	DOOR		MATERIAL		FINISH		FIRE RATING	HARDWARE GROUP	PANIC HARDWARE	CLOSER	REMARKS
			WIDTH	HEIGHT	TYPE	FINISH	TYPE	FINISH					
Add Alternate #1													
	101A	A2	3'-0"	7'-0"	WD								
	101B	A2	3'-0"	7'-0"	WD								
	113	S1	3'-0"	7'-0"	ALM								
	114	A4	6'-0"	7'-0"	WD								
	114A	CT1	3'-0"	7'-0"	HM						Yes	Yes	
	114B	S4	14'-0"	8'-5 1/2"	ALM								
	114C	S4	14'-0"	8'-5 1/2"	ALM								
	114D	CT2	7'-0 3/8"	8'-4"	HM					2	HM	Yes	Yes
	115	A4	6'-0"	7'-0"	WD								Yes
	116A	A7	11'-0"	7'-0"	WD								
	116B	A2	3'-0"	7'-0"	WD								
	117	A1	3'-0"	7'-0"	HM								Yes
	180	CT1	3'-0"	7'-0"	HM						Yes	Yes	
	202A	A1	3'-6"	7'-0"	WD								
	202B	A1	3'-6"	7'-0"	WD								
	204	A1	9'-7"	7'-0"	ALM								
	323	A1	3'-0"	7'-0"	WD								Yes
	324	A1	3'-0"	7'-0"	HM								Yes
	325	A1	3'-0"	7'-0"	HM								Yes
Add Alternate #2													
	112	S3	11'-5 1/2"	8'-5 3/4"							3	ALM	
	120	G1	5'-0"	3'-6"	HM								HM
Add Alternate #4													
	303A	S4	15'-5"	12'-10 3/4"									ALM
	302B	S4	15'-5"	12'-10 3/4"									ALM
	302C	S4	15'-5"	12'-10 3/4"									ALM
Add Alternate #7													
	322	S1	3'-0"	7'-10 1/2"									1 ALM



DOOR FRAME TYPES



DOOR PANEL TYPES

HARDWARE GROUPS

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PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**DOOR TYPES, FRAME TYPES, AND SCHEDULES**

SCALE: 1/4" = 1'-0"

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A600

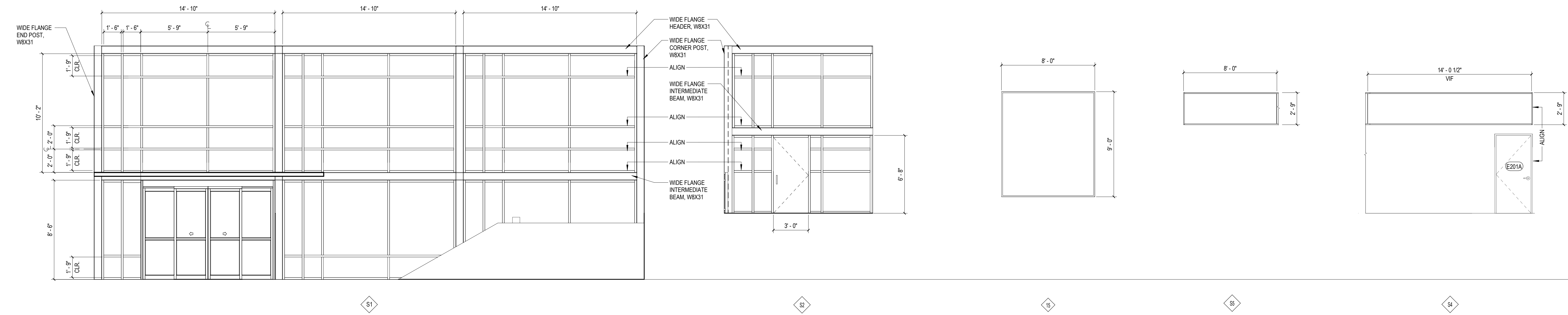
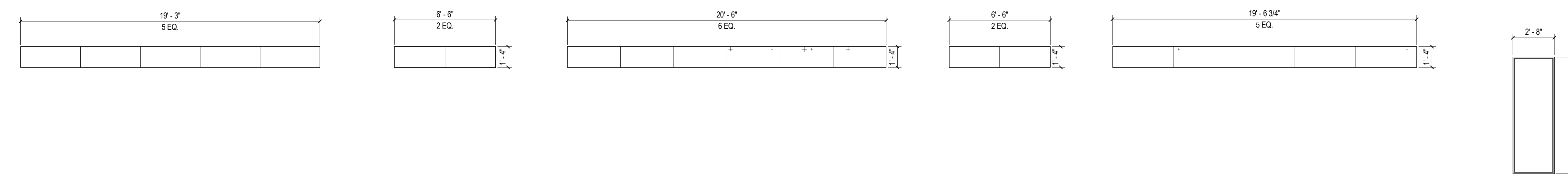
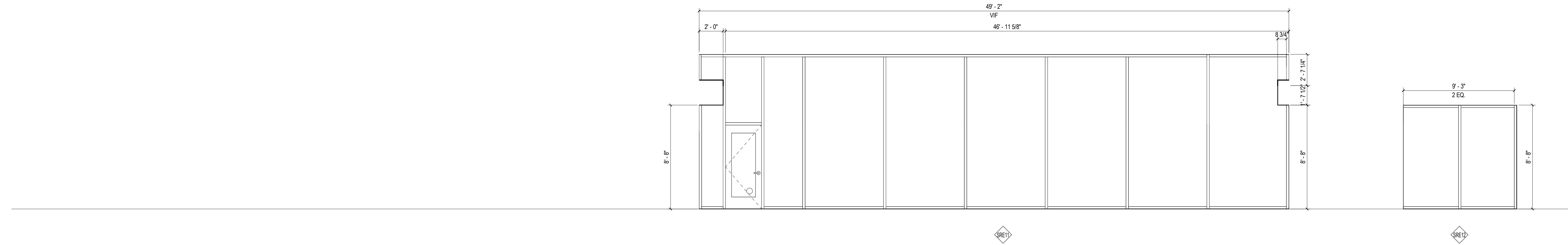
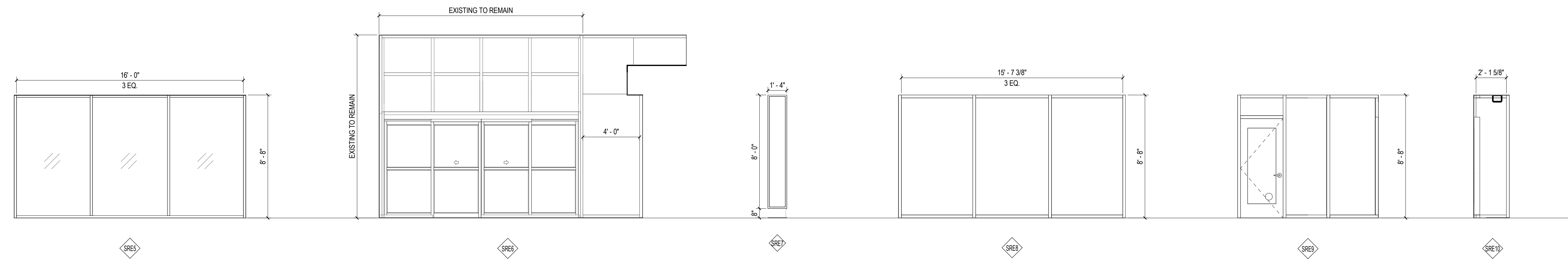
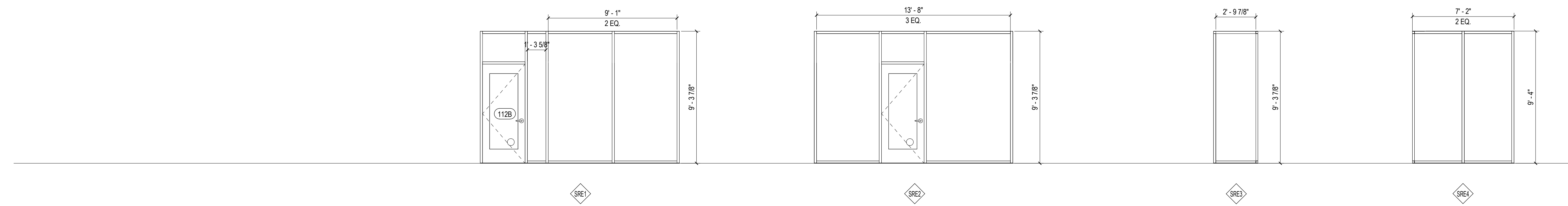


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San Jose, California 95113  
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SHEET NOTES

A. VERIFY IN FIELD ALL DIMENSIONS OF EXISTING CONDITIONS.



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PROJECT TITLE:

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600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**EXTERIOR WINDOW TYPES**

SCALE: 1/4" = 1'-0"

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A610

18/2024 5:52:03 PM



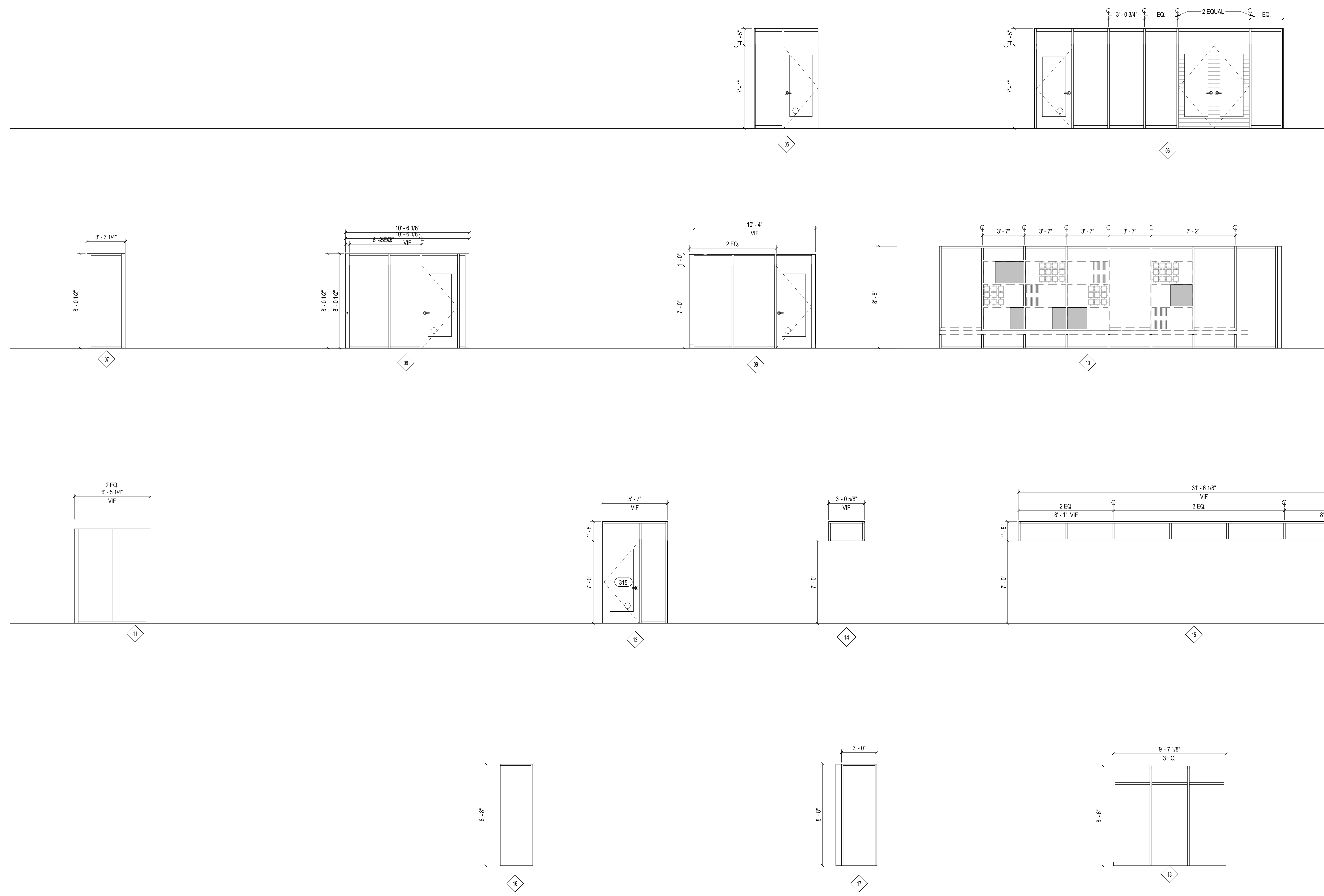
**SHEET NOTES**

A. VERIFY IN FIELD ALL DIMENSIONS OF EXISTING CONDITIONS.



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LIBRARY**  
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PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**INTERIOR WINDOW  
TYPES**

SCALE: 1/4" = 1'-0"

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A611

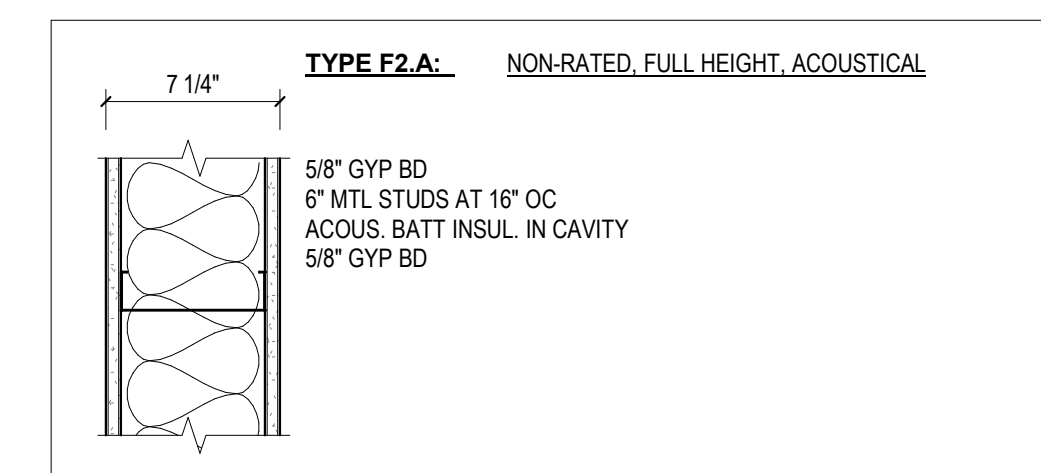
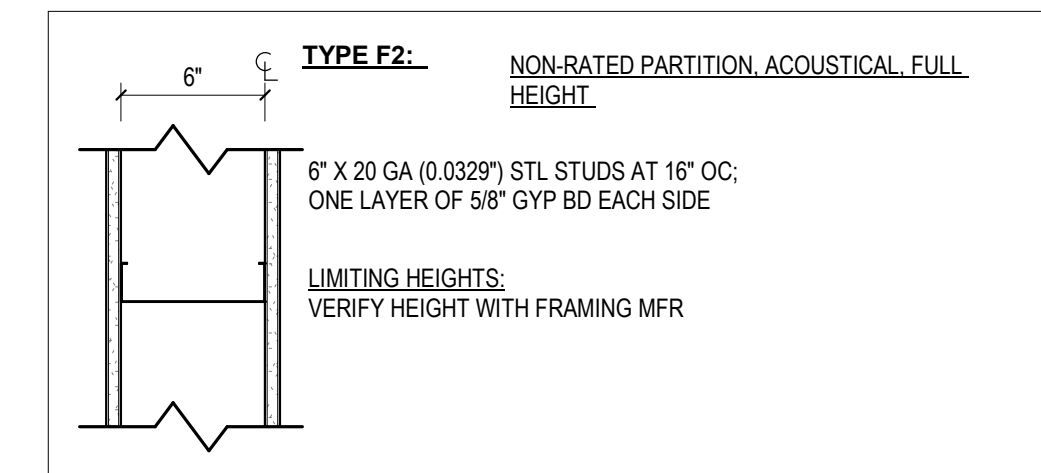
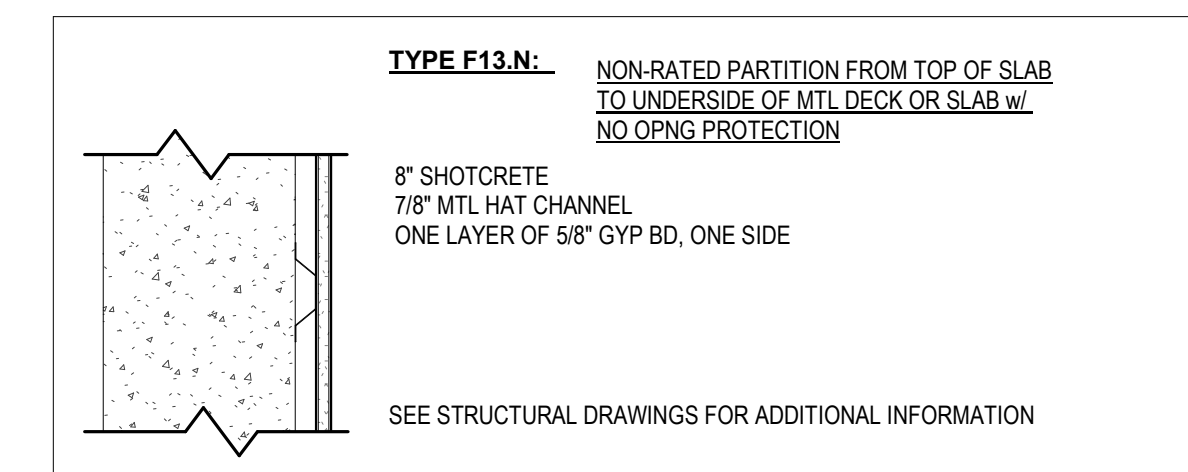
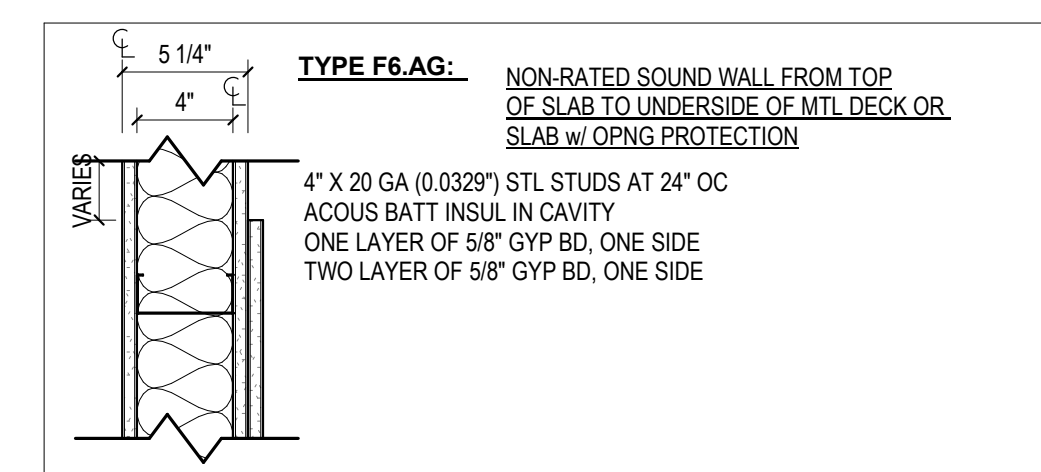
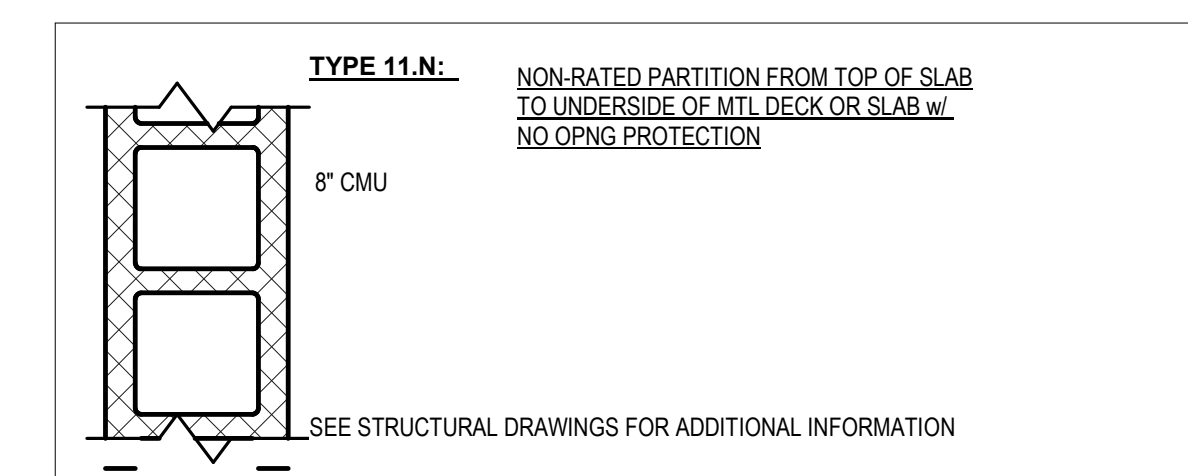
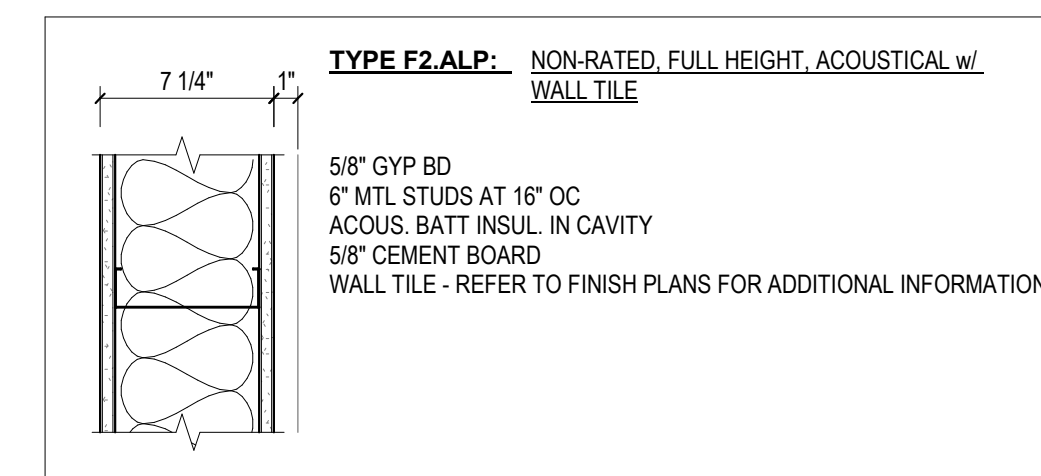
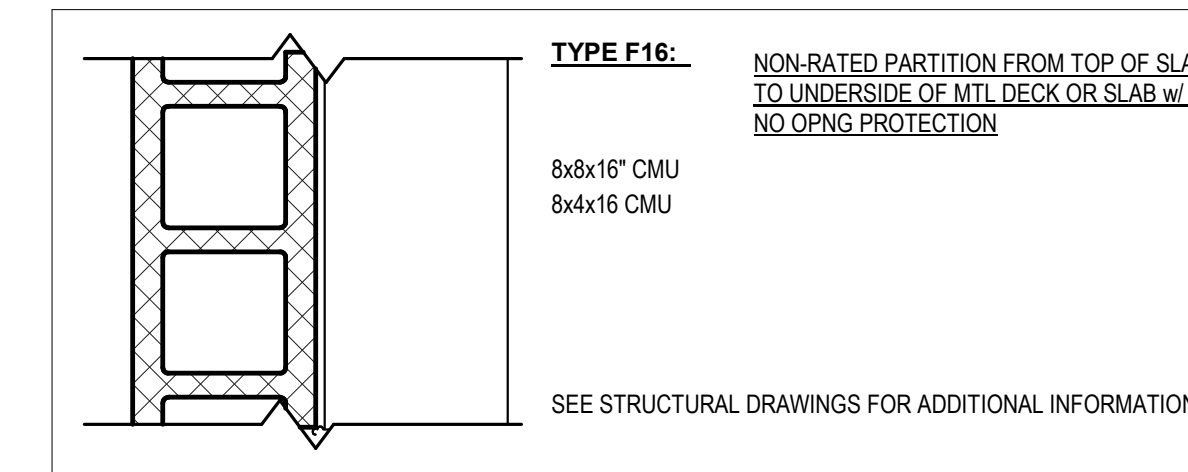
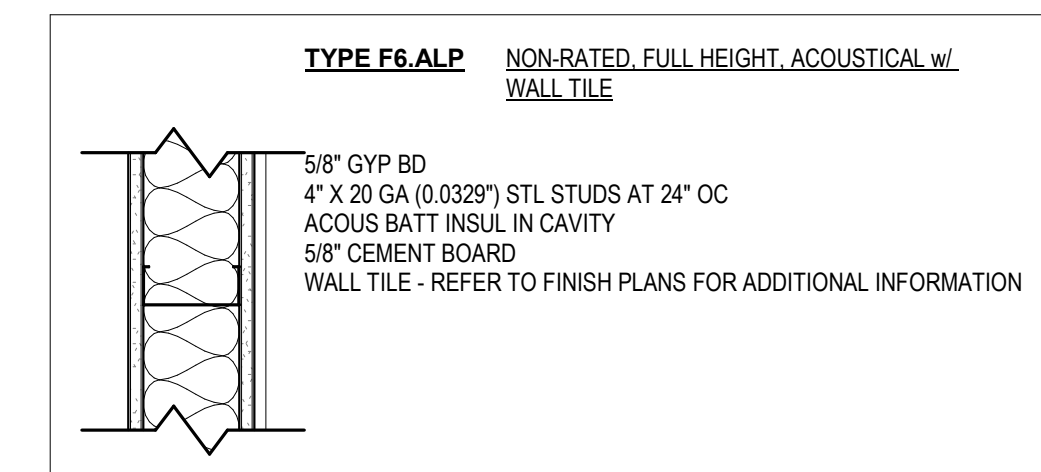
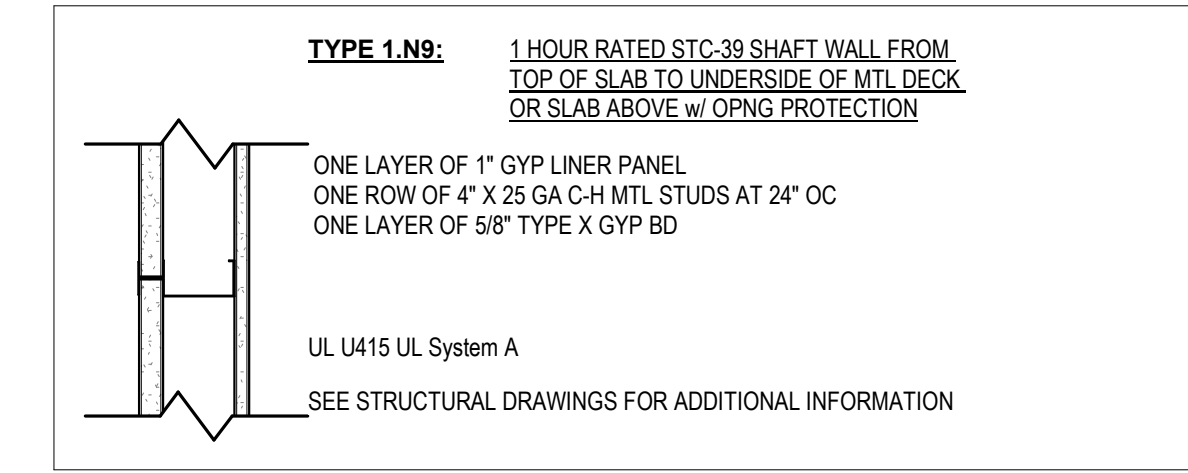
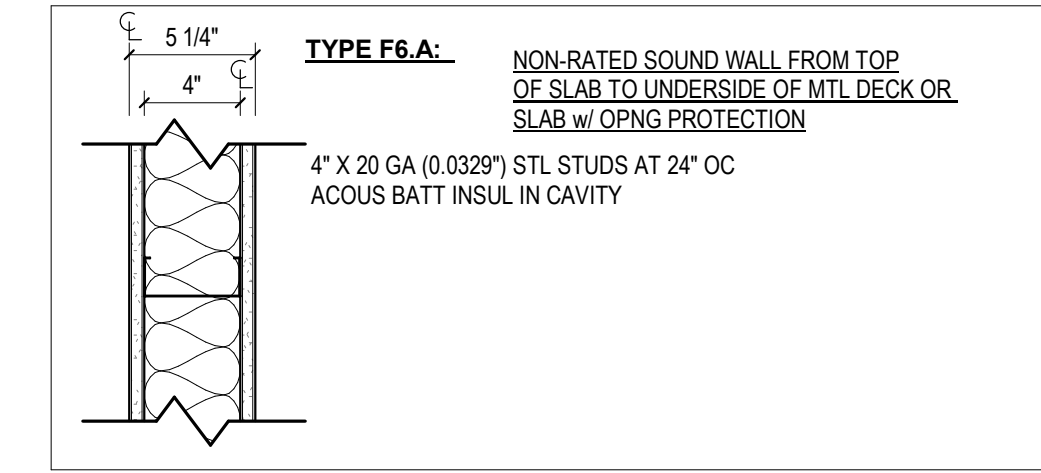
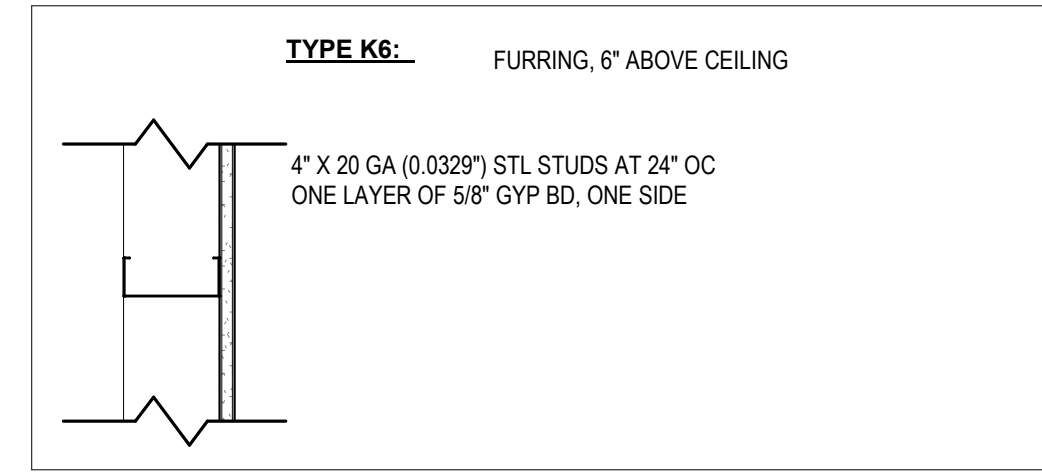
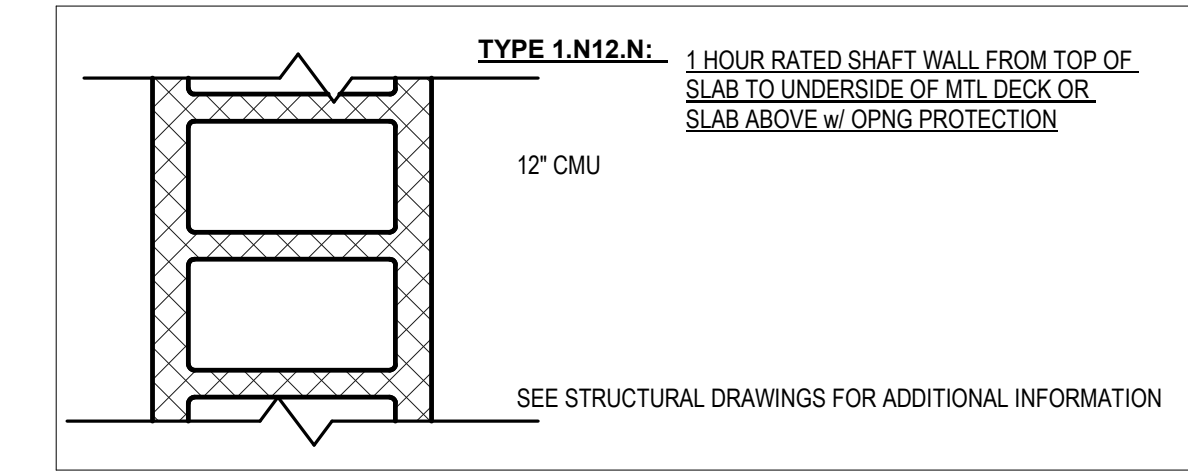
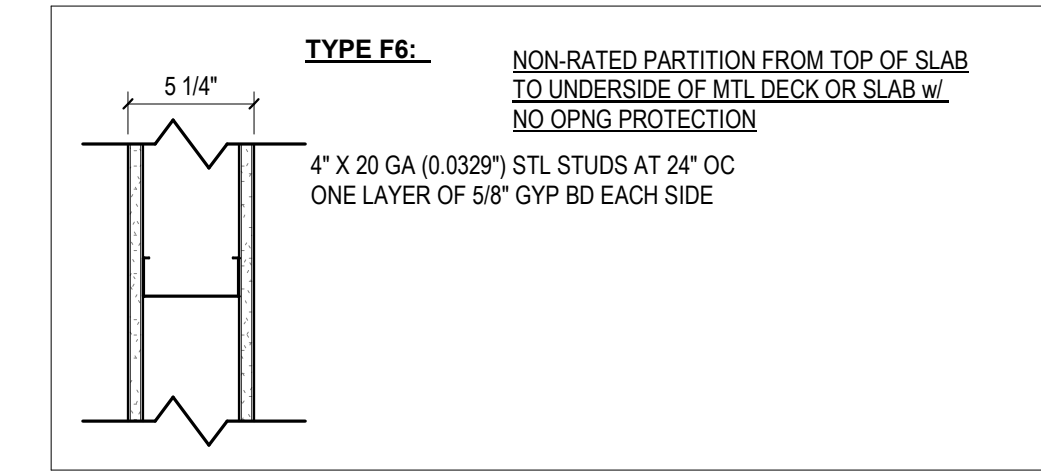
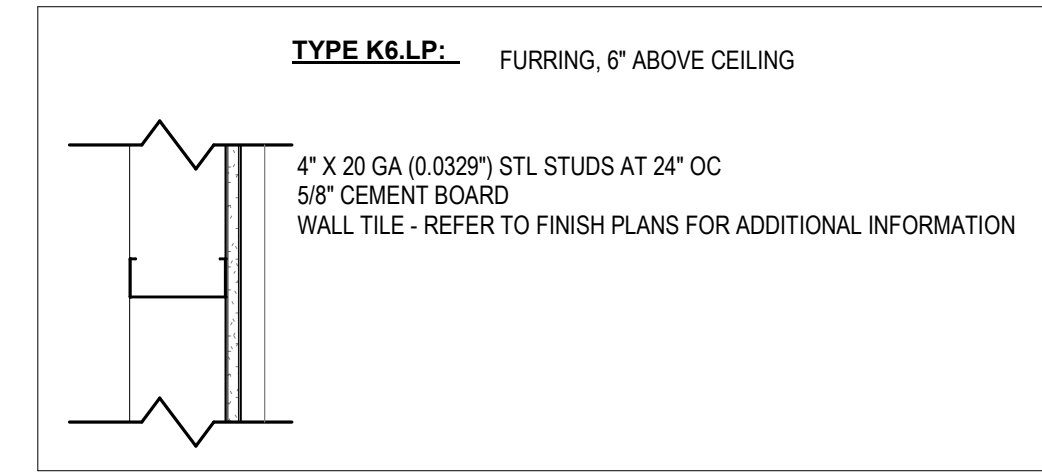
**PARTITION NOTES**

1. LIMITING HEIGHTS BY FRAMING MANUFACTURER
2. USE LONGER SCREWS OR NAILS TO MAINTAIN PENETRATION / ATTACHMENT REQUIREMENTS FOR NAILS AND SCREWS PER LISTED ASSEMBLY.
3. ALIGN SURFACE OF FINISH BETWEEN PARTITIONS, WHERE TYPES ADJOIN TO FORM A CONTINUOUS PLANE
4. PROVIDE FIRE BLOCKING AS REQUIRED, BY CODE AND DESIGN LISTED
5. PROVIDE BLOCKING OR BACKING, SECURELY ATTACHED TO WALL, PARTITION FRAMING, AS NEEDED FOR SECURELY AND FIRMLY MOUNTING ALL WALL / PARTITION MOUNTED EQUIPMENT, ACCESSORIES, LIGHTS, ETC. REVIEW ARCHITECTURAL AND ENGINEERING DRAWINGS TO IDENTIFY ITEMS THAT WILL REQUIRE BLOCKING OR BACKING. INSTALL BLOCKING OR BACKING FOR THESE ITEMS AND MARK OR RECORD LOCATIONS, PRIOR TO APPLYING FACING MATERIALS.
6. ADD BASE PLATE AS REQUIRED FOR CERAMIC WITH GYPSUM UNDERLAYMENT OR MUD SET TILE.
7. SEE INTERIOR ELEVATIONS FOR ADDITIONAL WALL FINISHES NOT INDICATED ON PARTITION TYPES
8. INSTALL W.R. GYP BD. SHTG BEHIND CERAMIC TILE APPLICATIONS & BEHIND WET WALLS.
9. INSTALL ACOUSTICAL PUTTY AT ALL UTILITY OPENINGS.
10. SEE PLAN, FOR LOCATIONS OF RATED WALLS

**PARTITION TYPE AND TAG STANDARDS**

PARTITION TAG AND NAME STANDARD:  
(ALL PARTITIONS TO INCLUDE ACOUSTICAL BATT INSULATION AND ACOUSTICAL PROTECTION OPENING U.N.O.)

- FIRST # INDICATES THE WALL RATING (NONE INDICATED IF NON-RATED):  
1 = ONE-HOUR  
2 = TWO-HOUR  
3 = THREE-HOUR  
4 = FOUR-HOUR
- FIRST LETTER INDICATES PARTITION TYPE:  
A = FIRE PARTITION - FULL HEIGHT  
B = FIRE BARRIER - FULL HEIGHT  
C = FIRE WALL - FULL HEIGHT  
D = SMOKE PARTITION - FULL HEIGHT  
E = SMOKE BARRIER - FULL HEIGHT  
F = NON-RATED - FULL HEIGHT  
G = NON-RATED - 6" ABOVE FINISHED CEILING  
H = NON-RATED - TO UNDERSIDE OF CEILING  
J = PARTIAL HEIGHT/LOW PARTITION  
K = FURRING - FULL HEIGHT  
L = FURRING - 6" ABOVE FINISHED CEILING  
M = FURRING - TO UNDERSIDE OF CEILING  
N = SHAFT WALL - FULL HEIGHT
- # FOLLOWING PARTITION TYPE INDICATES STUD SIZE (LAST #, IF SHOWN, INDICATES SECOND STUD):  
1 = 3/8" METAL  
2 = 1/2" METAL  
3 = 3/4" METAL  
4 = 1" METAL  
5 = 1 1/2" METAL  
6 = 2" METAL  
7 = 2 1/2" METAL  
8 = 3" METAL  
9 = 3 1/2" METAL  
10 = 4" METAL  
11 = 4 1/2" METAL  
12 = 5" METAL  
13 = 5 1/2" METAL  
14 = 6" METAL  
15 = 6 1/2" METAL  
16 = 7" METAL  
17 = 7 1/2" METAL  
18 = 8" METAL  
19 = 8 1/2" METAL  
20 = 9" METAL  
21 = 9 1/2" METAL  
22 = 10" METAL  
23 = 10 1/2" METAL
- LETTERS (A)FTER NUMBER(S) PROVIDES SPECIFIC INFORMATION ABOUT WALL CONSTRUCTION:  
A = WI ACOUSTICAL INSULATION & ACOUSTICAL PROTECTION @ OPENINGS  
B = WI ACOUSTICAL INSULATION  
C = COMBO-STUDS: FULL HEIGHT & 6" ABOVE CEILING  
D = COMBO-STUDS: BELOW CEILING & 6" ABOVE CEILING  
E = STUD AND GYPSUM BOARD @ DIFFERENT HEIGHTS  
F = MULTIPLE LAYERS OF GYPSUM BOARD @ DIFFERENT HEIGHTS  
G = WI ADDITIONAL ONE LAYER 5/8" GYPSUM BOARD ON INTERIOR SIDE  
H = WI ADDITIONAL ONE LAYER 5/8" GYPSUM BOARD ON BOTH SIDES  
J = WI 1/2" PLYWOOD BACKING  
K = WI 3/4" PLYWOOD BACKING  
L = 5/8" CEMENT BOARD  
M = 1/2" CEMENT BOARD  
N = SHEAR WALL, SEE STRUCTURAL DRAWINGS  
P = WET AREA SURFACE ON ONE SIDE  
Q = WET AREA SURFACE ON BOTH SIDES



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NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**INTERIOR PARTITION TYPES**

SCALE: As indicated

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### ADDITIVE ALTERNATE SHEETS

Sheet # \_\_\_\_\_ Sheet Name \_\_\_\_\_

#### ARCHITECTURAL ADDITIVE ALTERNATES

#### AD GENERAL

- AD 0.0 ADDITIVE ALTERNATES - SHEET LIST & KEYPLANS
- AD 0.1 ADD ALTERNATE SITE PLAN
- AD 0.3 ADD ALTERNATE EXTERIOR ELEVATIONS
- AD 0.4 ADD ALTERNATE BUILDING SECTIONS

#### ADD ALTERNATE #1 - NOT IN USE - COMMUNITY ROOM ADDITION

- AD 1.1 NOT IN USE - COMMUNITY ROOM ADDITION - FLOOR PLAN - LOWER LEVEL
- AD 1.2 NOT IN USE - COMMUNITY ROOM ADDITION - RCP - LOWER LEVEL
- AD 1.3 NOT IN USE - COMMUNITY ROOM ADDITION - FLOOR PLAN + RCP - MAIN LEVEL
- AD 1.4 NOT IN USE - COMMUNITY ROOM ADDITION - ROOF PLAN + WALL SECTIONS
- AD 1.5 NOT IN USE - ALTERNATE MID LEVEL - FLOOR PLAN, RCP, + ELEVATIONS
- AD 1.7 NOT IN USE - COMMUNITY ROOM ADDITION - INTERIOR & EXTERIOR ELEVATIONS
- AD 1.8 NOT IN USE - COMMUNITY ROOM ADDITION - INTERIOR ELEVATIONS

#### ADD ALTERNATE #2 - NOT IN USE - ENLARGED LOBBY

- AD 2.1 NOT IN USE - ENLARGED ENTRY - DEMO PLAN, FLOOR PLAN, ROOF PLAN + RCP
- AD 2.2 NOT IN USE - ENLARGED ENTRY - PLANS & INTERIOR ELEVATIONS
- AD 2.3 NOT IN USE - ENLARGED ENTRY - WALL SECTIONS

#### ADD ALTERNATE #3 - NOT IN USE

- AD 3 NOT IN USE

#### ADD ALTERNATE #4 - NORTH PATIO + SLIDING DOORS

- AD 4 NORTH PATIO + SLIDING DOORS - FLOOR PLAN + ELEVATIONS

#### ADD ALTERNATE #5 - NOT IN USE - TERRAZZO IN LIEU OF POLISHED CONCRETE

- AD 5 NOT IN USE - TERRAZZO IN LIEU OF POLISHED CONCRETE

#### ADD ALTERNATE #6 - NOT IN USE - BRISE SOLEIL IN LIEU OF INTERIOR SHADES

- AD 6 NOT IN USE - BRISE SOLEIL - FLOOR PLAN + ELEVATION

#### ADD ALTERNATE #7 - MEETING ROOM ADDITION

- AD 7 MEETING ROOM ADDITION - FLOOR PLAN, RCP, + ELEVATIONS

#### ADD ALTERNATE #8 - WOOD SLAT CEILING

- AD 8 WOOD SLAT CEILING



2 FLOOR PLAN - MAIN LEVEL - ADD ALTS - SEQUENCE  
1/16" = 1'-0"



1 FLOOR PLAN - LOWER LEVEL - ADD ALTS - SEQUENCE  
1/16" = 1'-0"

CONSULTANTS LOGO

STAMP

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NO. DATE REVISIONS

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SHEET TITLE:

**ADDITIVE ALTERNATES - SHEET LIST & KEYPLANS**

SCALE: 1/16" = 1'-0"

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**AD 0.0**

### SHEET NOTES

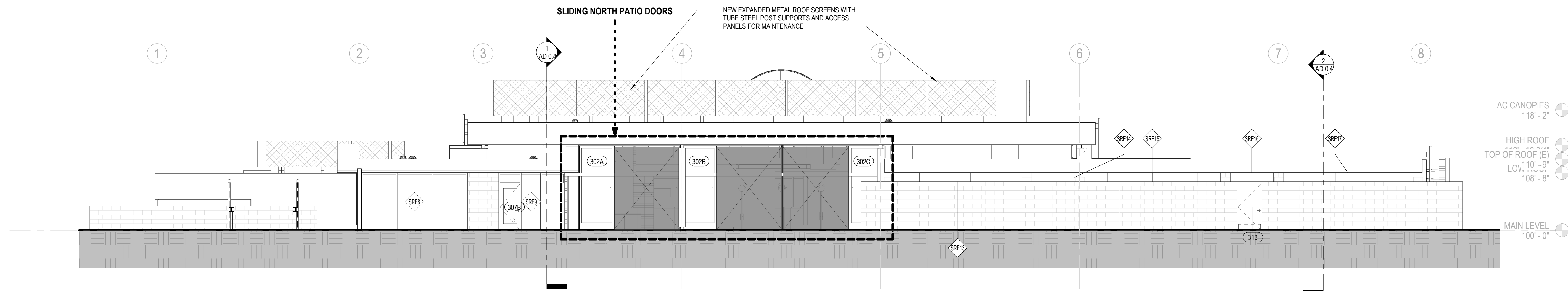
- A. PROVIDE ANTI-GRAFFITI COATING TO ALL ABOVE GRADE EXTERIOR EXPOSED CONCRETE, CMU AND PAINTED CEMENT PLASTER. ALIGN TERMINATION OF COATING UNIFORMLY TO NEAREST HORIZONTAL CLADDING JOINT, CHANGE IN PLANE, OR TRANSITION NOT LESS THAN 8'-0" A.F.F., U.N.O.
- B. ALL EXPOSED STRUCTURAL STEEL SHALL RECEIVE FIELD-APPLIED HIGH PERFORMANCE COATING. COLOR TO BE SELECTED BY ARCHITECT. SEE SPECIFICATIONS.
- C. ALL EXISTING WINDOWS, CASINGS, AND TRIMS TO BE DEMOLISHED AND REPLACED TO MATCH EXISTING, U.N.O.
- D. FOR LOCATION OF CMU WALLS, SEE LEGEND. ALL OTHER EXTERIOR WALLS ARE CEMENT PLASTER.

### KEYNOTES

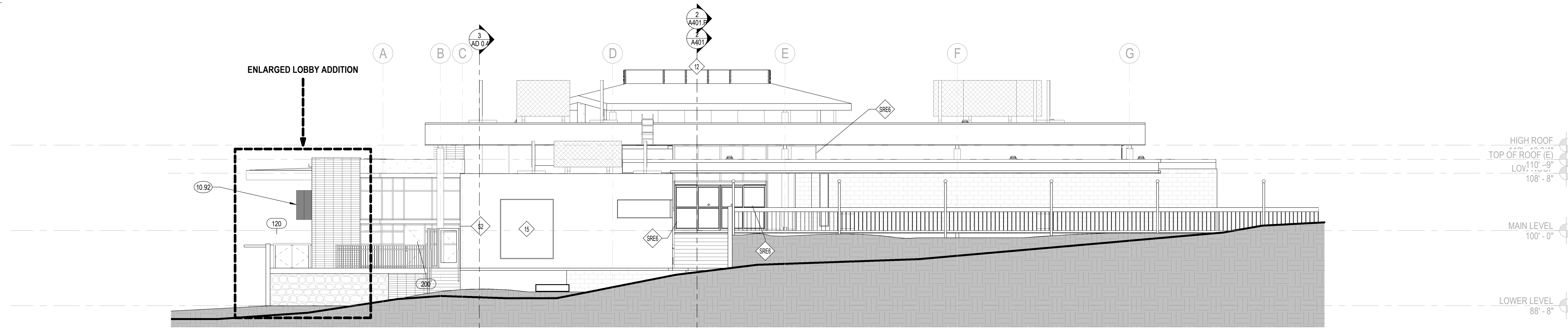
- 10.92 BRISE SOLEIL
- 10.93 ROOF ACCESS LADDER

### LEGEND

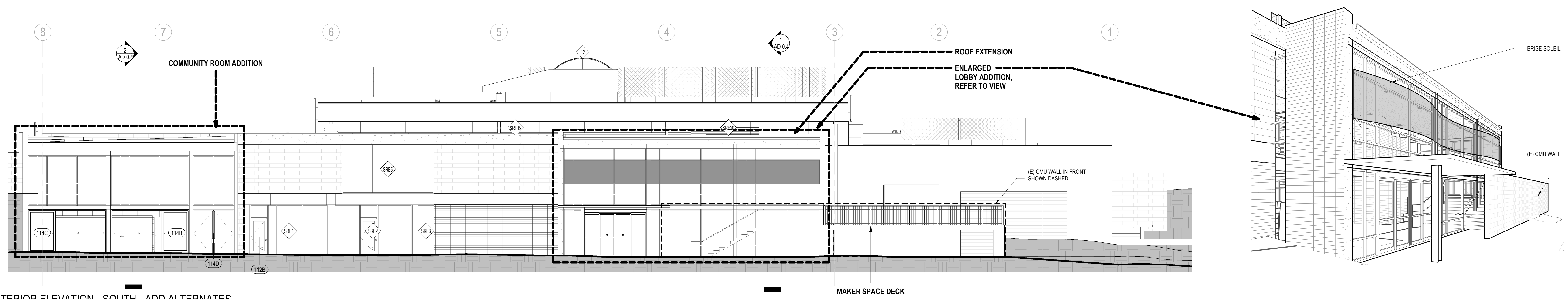
- ### DOOR TAG
- (E)### EXISTING (E) DOOR TO REMAIN
- ◇# WINDOW TAG
- ◇SRE# STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND
- (E) CMU
- 4X8X16 CMU IN STACKED BOND



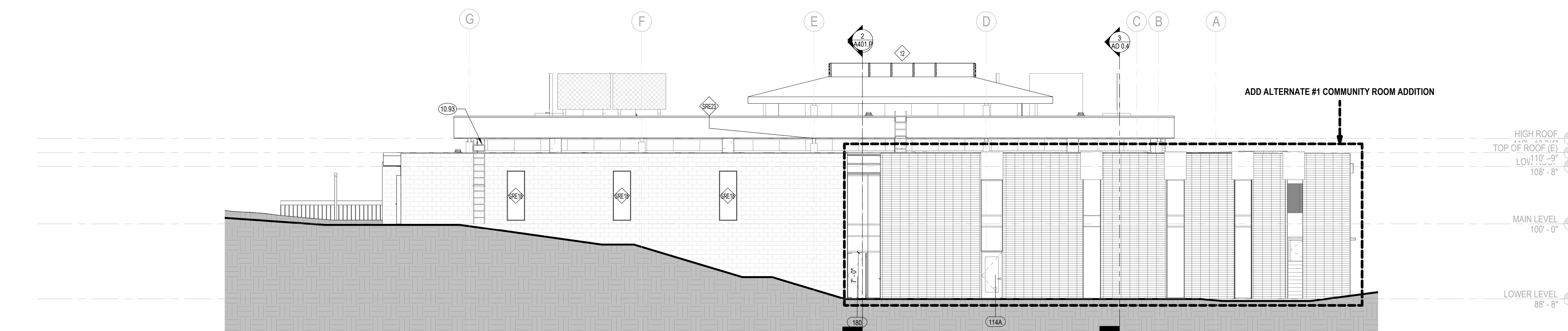
1 EXTERIOR ELEVATION - NORTH - ADD ALTERNATES  
1/8" = 1'-0"



2 EXTERIOR ELEVATION - EAST - ADD ALTERNATES  
1/8" = 1'-0"

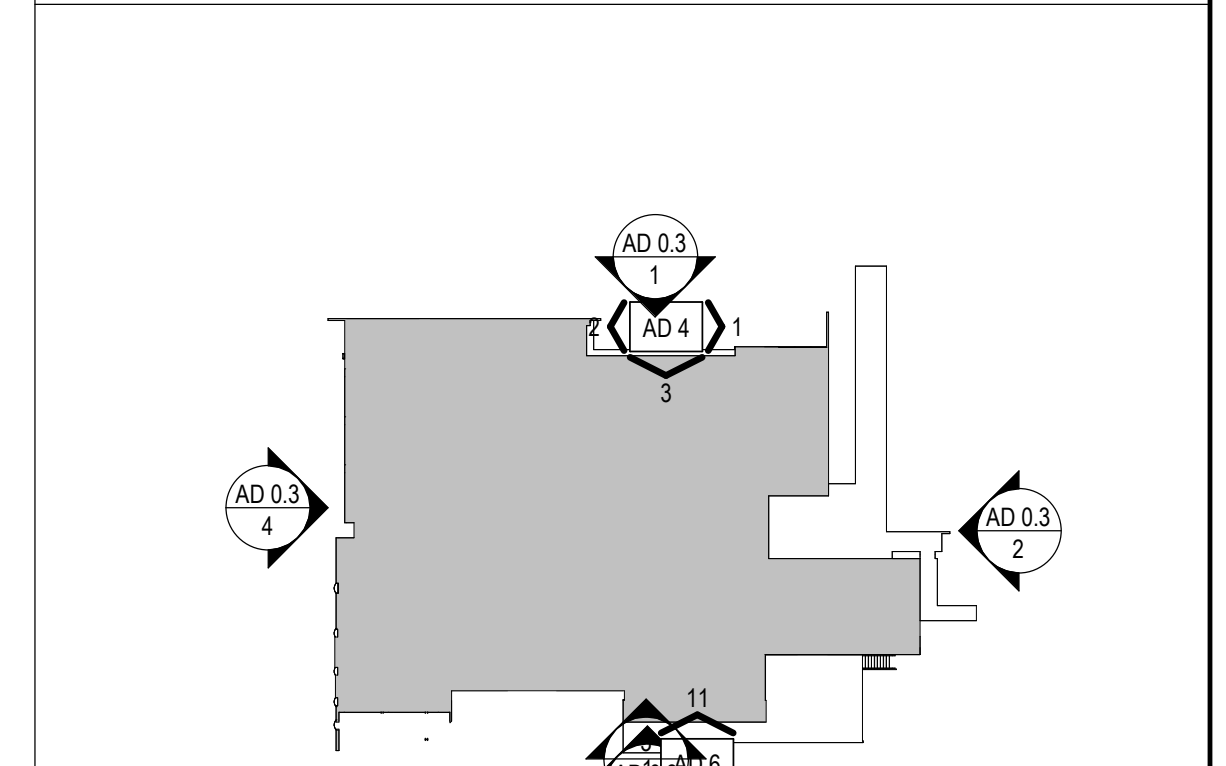


3 EXTERIOR ELEVATION - SOUTH - ADD ALTERNATES  
1/8" = 1'-0"



4 EXTERIOR ELEVATION - WEST - ADD ALTERNATES  
1/8" = 1'-0"

### KEY PLAN



### CONSULTANTS LOGO

### STAMP

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CONSTRUCTION**

### NO. DATE REVISIONS

NO.	DATE	REVISIONS

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SHEET TITLE:

**ADD ALTERNATE  
EXTERIOR  
ELEVATIONS**

SCALE: As indicated

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AD 0.3

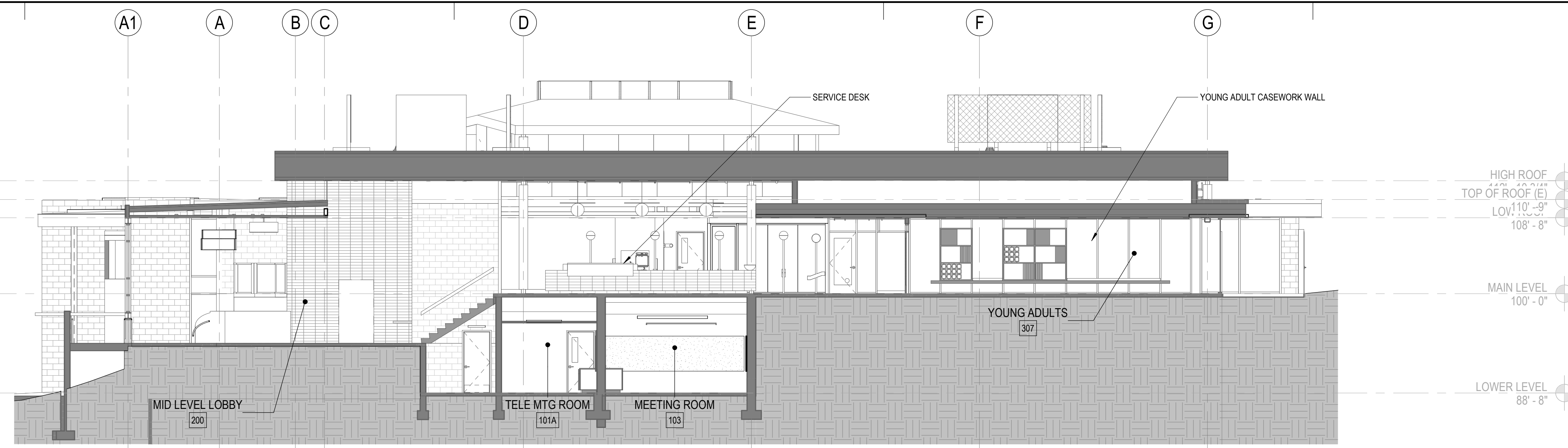


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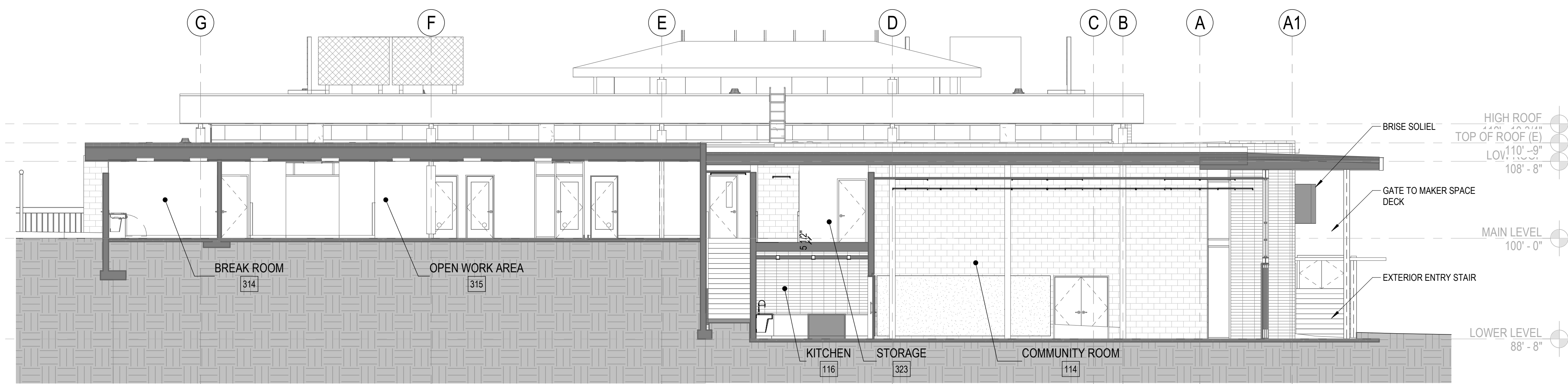
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SHEET NOTES

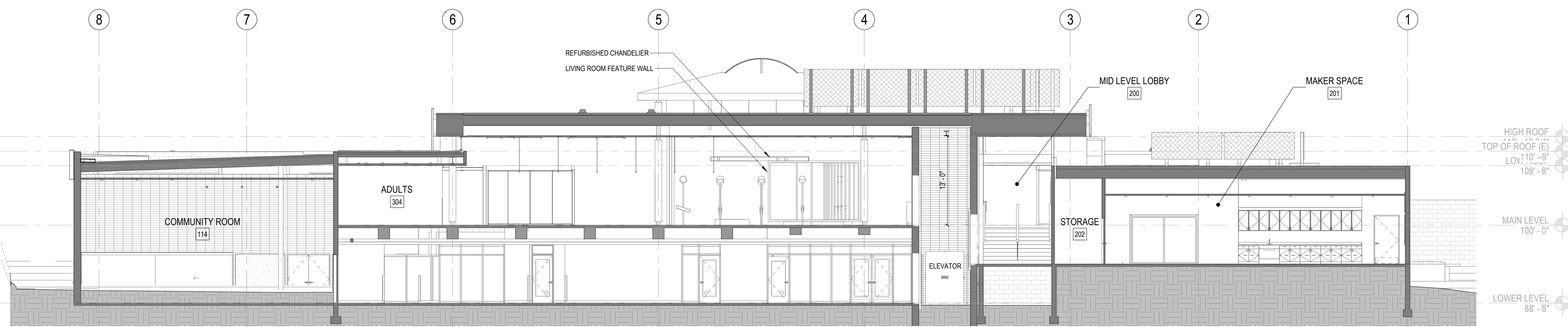
- A. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO WORK
- B. PROVIDE ACCESS PANELS AS REQUIRED PER APPLICABLE CODES FOR MAINTENANCE ACCESS TO INSTALLED MEP EQUIPMENT. PROVIDE STAINLESS STEEL ACCESS PANELS AT CERAMIC TILE LOCATIONS. COORDINATE TYPES AND LOCATIONS OF WALL ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- C. BLOCKING OR BACKING SHALL BE PROVIDED IN PARTITIONS AS REQUIRED FOR WALL ATTACHED ITEMS. SEE DETAIL XXX FOR BACKING SCHEDULE FOR CABINETRY, SHELVING, MARKER BOARDS, CHAIR RAILS, GRAB BARS, SHOWER SEATS, HANDRAILS, FIXTURES, EQUIPMENT, FURNISHINGS AND OTHER ITEMS AS REQUIRED.
- D. MATCH EXISTING STUD DIMENSION WHERE NEW PARTITION FRAMING ALIGNS WITH EXISTING PARTITION. STUD SIZE INDICATED IN WALL TYPE NEEDS TO BE VERIFIED AT THESE CONDITIONS.
- E. NEW WALLS ARE DIMENSIONED TO FACE OF STUD
- F. ADJACENT IN-LINE PARTITIONS OF DIFFERENT TYPES SHALL BE CONSTRUCTED SUCH THAT EXPOSED FINISH SURFACES ARE FLUSH AND CONTIGUOUS.
- G. REPETITIVE FEATURES ARE NOT DRAWN TO THEIR ENTIRETY AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
- H. PATCH AND REPAIR EXISTING WALLS WHERE DAMAGED DUE TO REMOVAL OF WOOD TRIM, HANDRAILS, AND OTHER ITEMS.
- I. ALIGN NEW WALLS TO EXISTING STRUCTURAL GRID COLUMNS. V.I.F.



1 BUILDING SECTION 1, NORTH - SOUTH ADD ALTERNATE  
1/8" = 1'-0"



2 BUILDING SECTION 2, NORTH-SOUTH ADD ALTERNATE  
1/8" = 1'-0"



3 BUILDING SECTION 3, EAST - WEST ADD ALTERNATE  
1/8" = 1'-0"

KEYNOTES

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NO. DATE REVISIONS

LEGEND

- PARTITION, FLOOR, OR ROOF SEE PARTITION TYPES ON SHEET A800
- EXISTING (E) WALL, FLOOR, OR ROOF TO REMAIN
- WALL TAG
- DOOR TAG
- EXISTING (E) DOOR TO REMAIN
- WINDOW TAG
- STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND
- CMU

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SHEET TITLE:

ADD ALTERNATE BUILDING SECTIONS

SCALE: 1/8" = 1'-0"

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AD 0.4



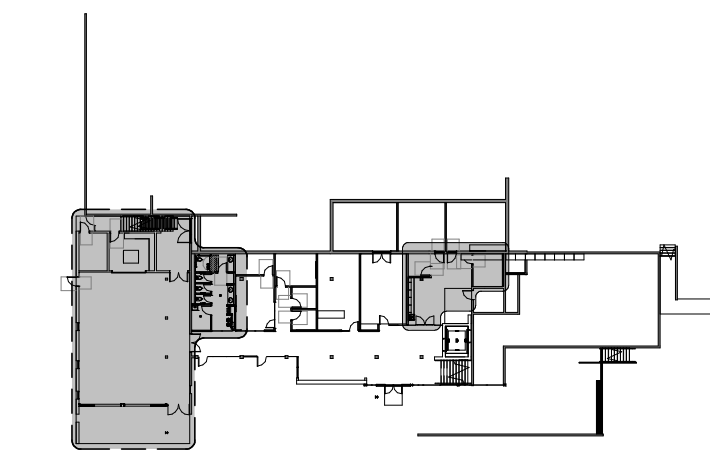
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### PLAN SHEET NOTES

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### KEY PLAN



LOWER LEVEL - ADD ALT 1

### KEYNOTES

- 06.27 INFILL FLOOR
- 06.60 CUSTOM MILLWORK DISPLAY CASE. REFER TO ELEVATION FOR ADDITIONAL INFORMATION.

### PLAN LEGEND

- INTERIOR AND EXTERIOR SOFFITS ABOVE
- ▬ PARTITION. SEE PARTITION TYPES ON SHEET A800
- ▬ EXISTING (E) WALL TO REMAIN
- [F1A] WALL TAG
- [D1A] DOOR TAG
- [E1A] EXISTING (E) DOOR TO REMAIN
- [S1A] WINDOW TAG
- [SRE] STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND

CONSULTANTS LOGO

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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

## ALTADENA MAIN LIBRARY

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ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

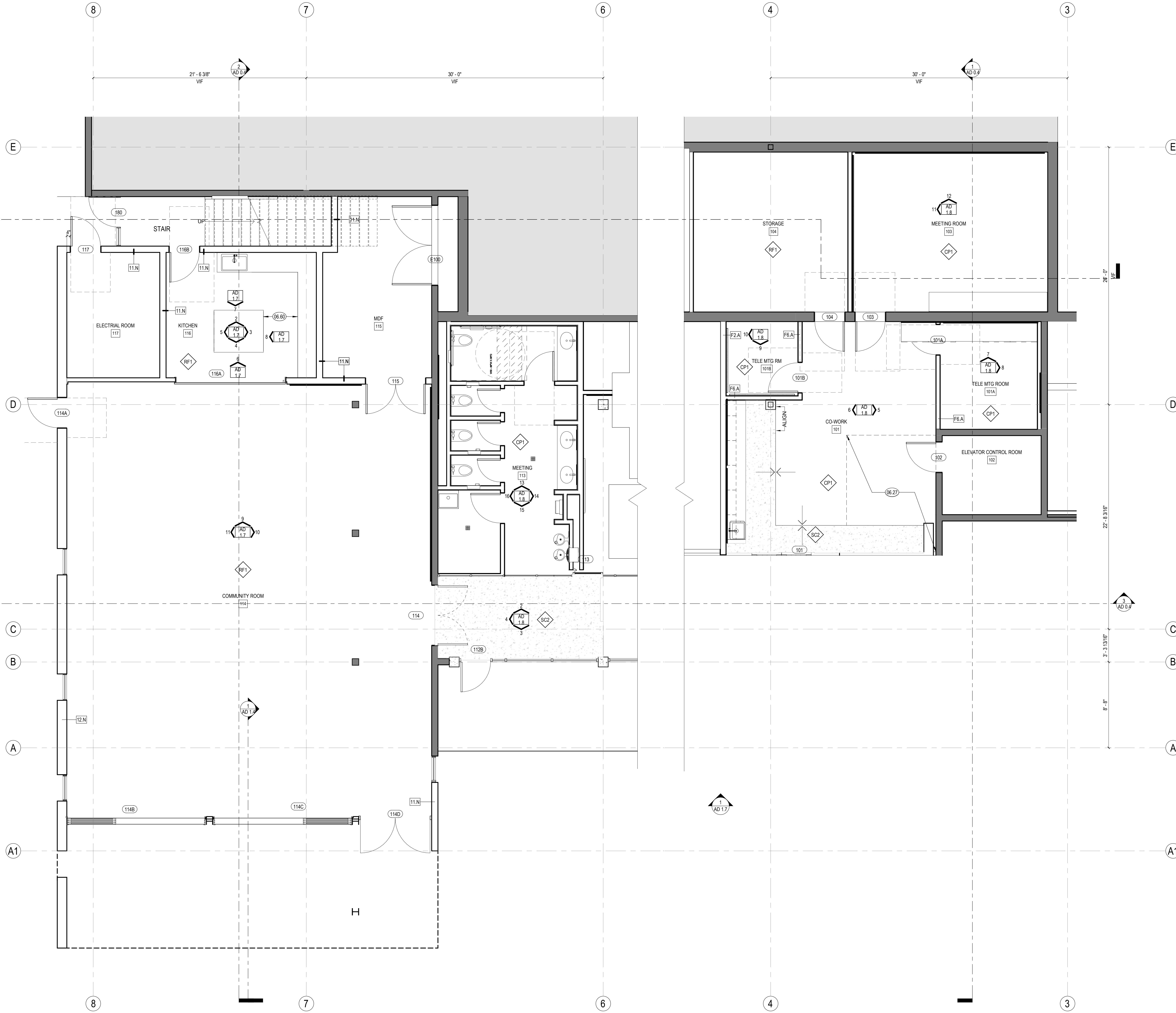
SHEET TITLE:

## NOT IN USE - COMMUNITY ROOM ADDITION - FLOOR PLAN - LOWER LEVEL

SCALE: As indicated

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AD 1.1



1 COMMUNITY ROOM ADDITION - FLOOR PLAN - LOWER LEVEL  
1/4" = 1'-0"

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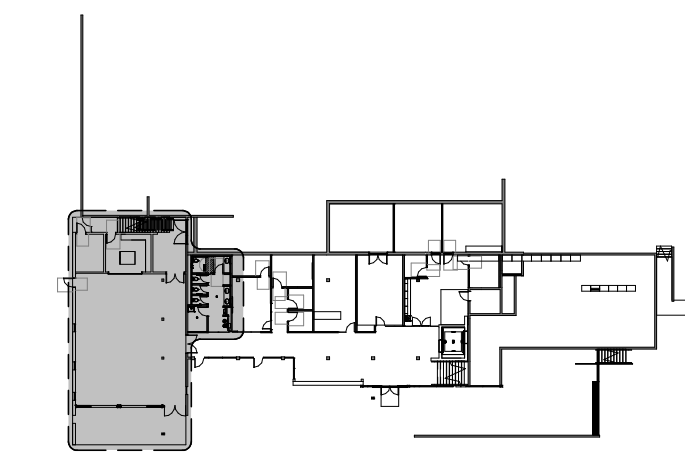
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### KEY PLAN



LOWER LEVEL - ADD ALT 1.2

### KEYNOTES

26.46 LINEAR UP LIGHT ON GYPSUM BOARD SHELF

### LEGEND

- WD 2 - WOOD SLAT CEILING SYSTEM. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- SS-1 - 15/16" SUSPENSION GRID. BLACK PLENUM ABOVE TO BE PAINTED PTS. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- ACT 1 - 24" X 24" ACT CEILING. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
- SS-2 - 15/16" SUSPENSION GRID, WHITE
- ACT 1 - 24" X 48" ACT CEILING. SEE A240 FOR FINISH
- SS-2 - 15/16" SUSPENSION GRID, WHITE
- GB 2 - GYPSUM BOARD CLG. FRAMED SYSTEM, PAINTED.
- PAINTED EXISTING STRUCTURE
- PAINTED CEMENT PLASTER
- MTL-3 DECORATIVE METAL PANEL
- 10'-0" CEILING HEIGHT A.F.F.
- (WT-1) DUAL ROLLER SHADE, ELECTRIC SEE FOR FINISH SEE A240: MS1, MS2
- LIGHT FIXTURES, SED
- MECHANICAL DIFFUSERS, SMD
- WIRELESS ACCESS POINT, SEE TELECOMM DRAWINGS
- FIRE SPRINKLERS, SEE FIRE PROTECTION DRAWINGS
- FIRE ALARM DEVICE - SEE FIRE ALARM DRAWINGS
- ROOF ACCESS HATCH, SEE ROOF PLAN
- ACCESS PANEL (CONTRACTOR TO VERIFY IN FIELD, BEST LOCATION, SIZE & NEED. COORDINATE W/ OTHER DISCIPLINES WHERE ACCESS IS NEEDED.)
- EXIT SIGNAGE, SEE ELECTRICAL DRAWINGS
- WINDOW TAG
- STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND

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DATE: 01-08-2024

SHEET TITLE:

**NOT IN USE -  
COMMUNITY ROOM  
ADDITION - RCP -  
LOWER LEVEL**

SCALE: As indicated

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AD 1.2



1 COMMUNITY ROOM ADDITION - RCP - LOWER LEVEL  
1/4" = 1'-0"

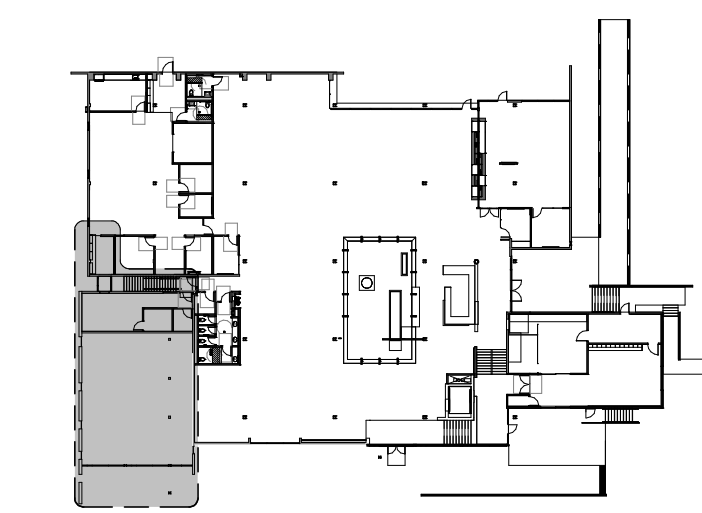
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## PLAN SHEET NOTES

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## KEY PLAN



MAIN LEVEL - ADD ALT 1

## KEYNOTES

22.25 MOP SINK

## PLAN LEGEND

- INTERIOR AND EXTERIOR SOFFITS ABOVE
- - - PARTITION, SEE PARTITION TYPES ON SHEET A800
- EXISTING (E) WALL TO REMAIN
- WALL TAG
- DOOR TAG
- EXISTING (E) DOOR TO REMAIN
- WINDOW TAG
- STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND

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PROJECT TITLE:

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LIBRARY**

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PROJECT NO. 2111010

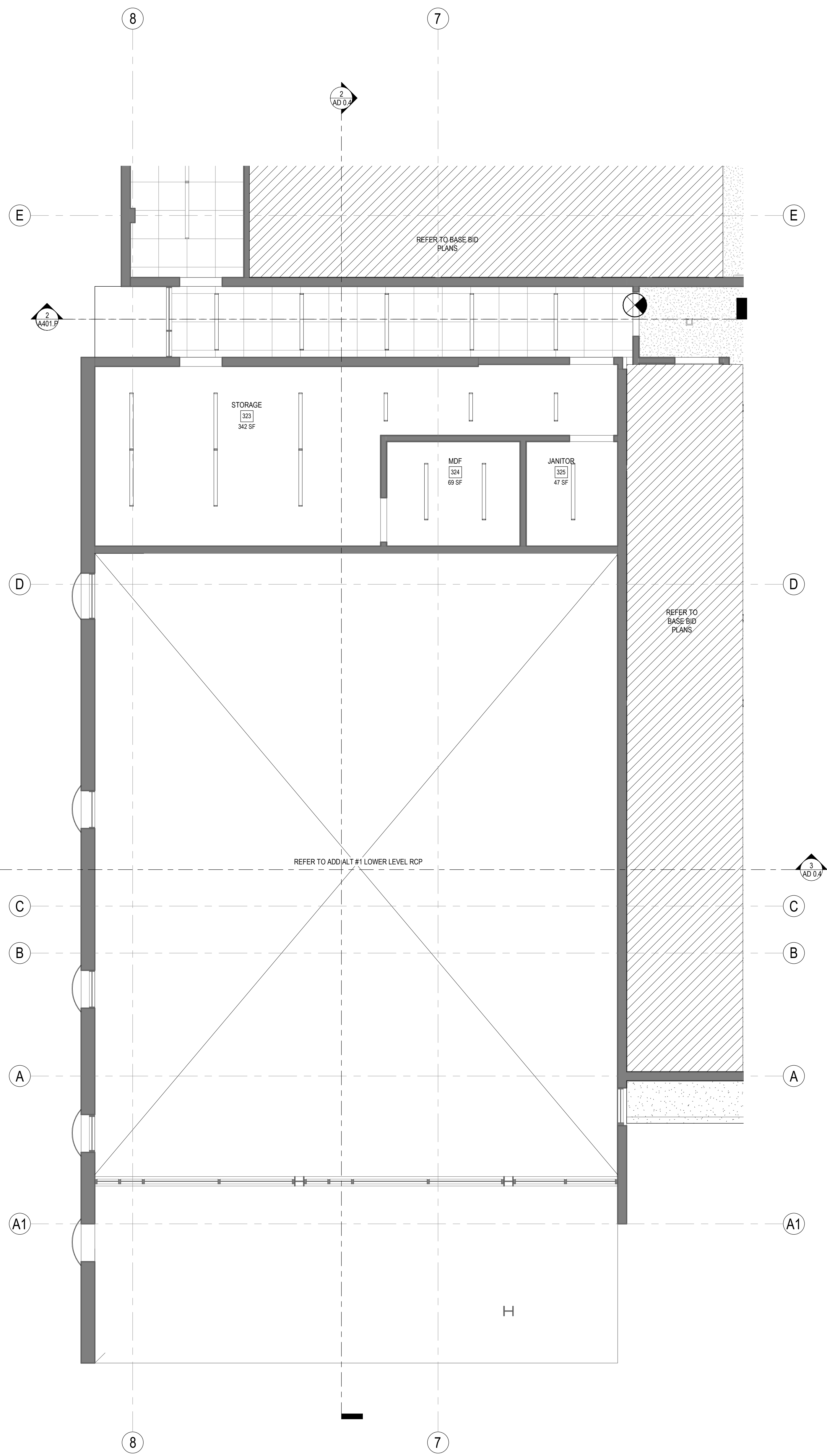
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SHEET TITLE:  
**NOT IN USE -  
COMMUNITY ROOM  
ADDITION - FLOOR  
PLAN + RCP - MAIN  
LEVEL**

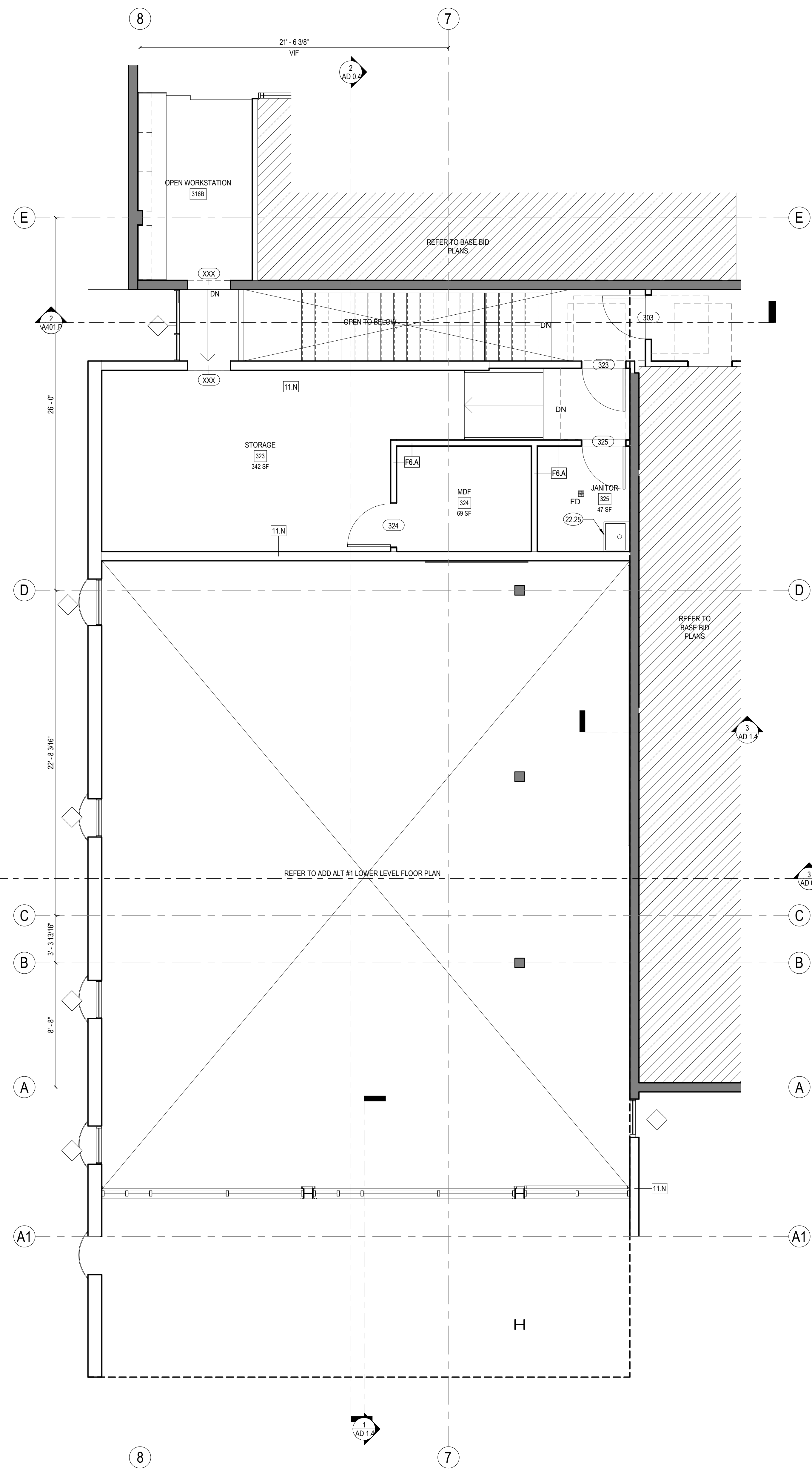
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AD 1.3



1 COMMUNITY ROOM ADDITION - RCP - MAIN LEVEL  
1/4" = 1'-0"



2 COMMUNITY ROOM ADDITION - FLOOR PLAN - MAIN LEVEL  
1/4" = 1'-0"



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SHEET NOTES

1. PARAPETS AND CURBS SHOULD BE A MINIMUM OF 8 INCHES ABOVE THE FINISHED ROOF SURFACE (INCLUDING CRICKETS) TO THE BOTTOM OF THE LOWEST EDGE OF THE PARAPET CAP OR CURB.
2. SKYLIGHTS, HATCHES AND MECHANICAL EQUIPMENT SHOULD BE INSTALLED ON CURBS WITH MINIMUM 8 INCH HEIGHT ABOVE THE ADJACENT ROOF SURFACE TO THE LOWEST EDGE OF THE CURB FLASHING FLANGE. FLASHING CAPS SHOULD EXTEND DOWN TO COVER THE TOP OF THE ROOFING BY 4 INCHES MINIMUM.
3. ROOF MOUNTED MECHANICAL EQUIPMENT MUST BE CAREFULLY COORDINATED WITH OTHER ROOF ELEMENTS SUCH AS SCREENS AND PARAPETS TO ENSURE ADEQUATE CLEARANCE FOR MAINTENANCE ACCESS AND VENTILATION. AVOID PLACING ROOF PENETRATIONS SUCH AS HATCHES OR UTILITY SERVICE PORTS LESS THAN 24 INCHES FROM PARAPETS OR ROOF EDGES.
4. HOT EXHAUST VENTS, STACKS AND OTHER FACILITY SERVICE PENETRATIONS SHOULD BE FLASHED WITH PREFABRICATED COLLARS AS RECOMMENDED BY THE MEMBRANE ROOF MANUFACTURER.
5. ROOF PENETRATIONS SHOULD BE SPACED A MINIMUM OF 12 INCHES APART CURB-TO-CURB, AND KEPT 24 INCHES AWAY FROM PARAPET WALLS IN ORDER TO PROVIDE CONSTRUCTION AND MAINTENANCE CLEARANCE FOR PENETRATION FLASHINGS.
6. FLASHING FLANGES SHOULD BE WELDED TO DUCTWORK AND METAL PENETRATING ELEMENTS WHEREVER POSSIBLE AND SHOULD NOT RELY ON "DRAW-BAND" INSTALLATIONS.
7. CRICKETS TO BE BUILT UP WITH TAPERED RIGID INSULATION.
8. ROOF FINISH TO BE PVC MEMBRANE ROOFING.
10. PROVIDE 6" MIN. UN-WELDED SEAM AT DRAINAGE SIDE OF WALKWAYS AT SPACING PER MFR.
11. FOR TEMPORARY, PORTABLE, NON-PENETRATING FALL PROTECTION ACCESSORIES, SEE DETAIL.
12. FOR STRUCTURAL FRAMING PLAN AT CLERESTORY WINDOWS, REFER TO SHEET S300.

KEYNOTES

- 07.51 ROOF GUTTER, PAINTED.

LEGEND

- FOOTPRINT OF BUILDING BELOW
- INTERIOR AND EXTERIOR SOFFITS ABOVE
- ☼ SPOT ELEVATION
- ☐ ROOF ACCESS HATCH
- ▬ ROOF WALKWAY
- ☐ ROOF DRAIN WITH OVERFLOW
- ◊ STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND
- ▨ MAX. AREA FOR FUTURE SOLAR PHOTOVOLTAIC PANELS, UNDER SEPARATE INCREMENT AND BID. SHOWN FOR REFERENCE ONLY. SOLAR PANELS TO BE MIN. 4'-0" FROM ROOF EDGE.

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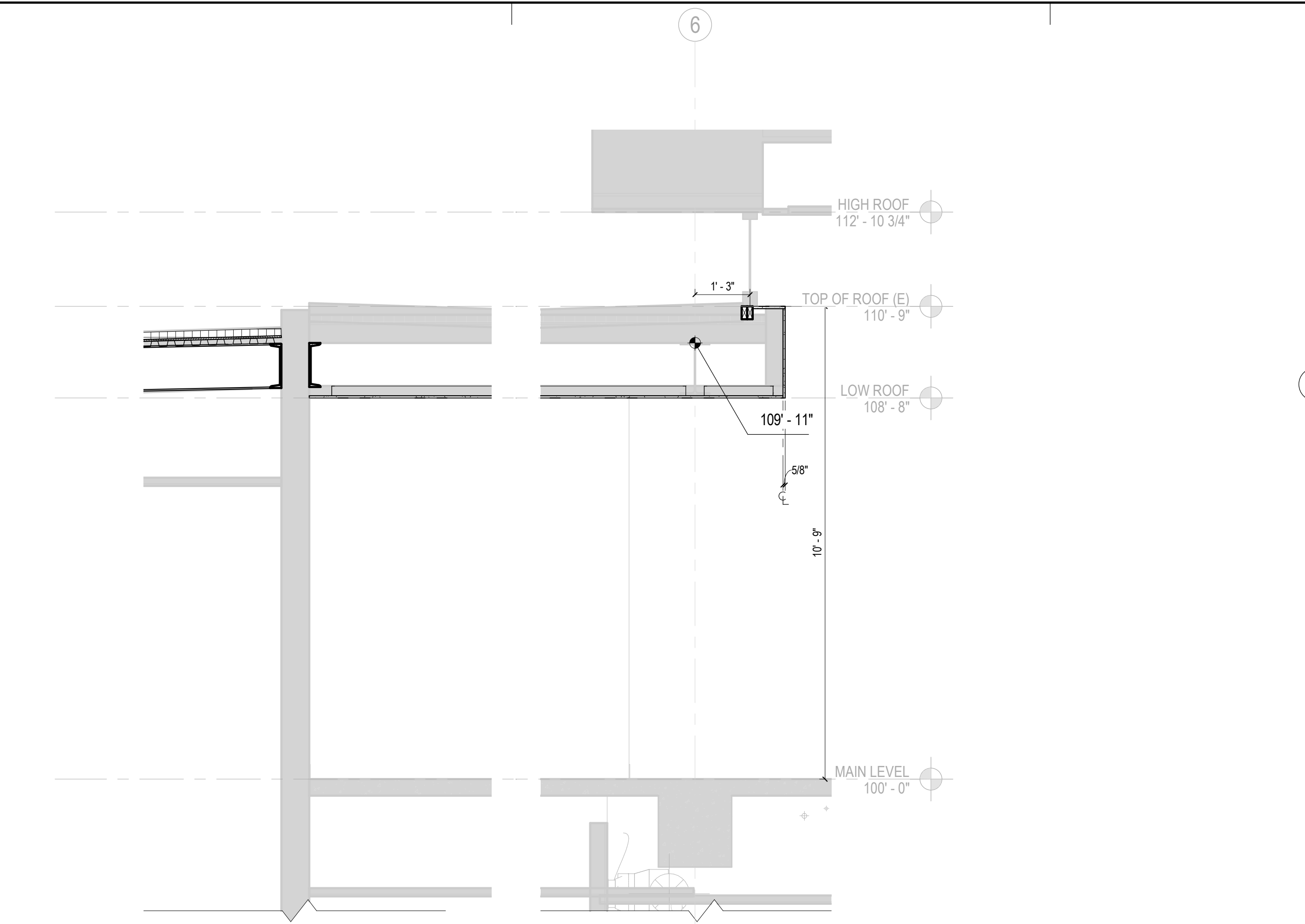
SHEET TITLE:

NOT IN USE -  
COMMUNITY ROOM  
ADDITION - ROOF  
PLAN + WALL  
SECTIONS

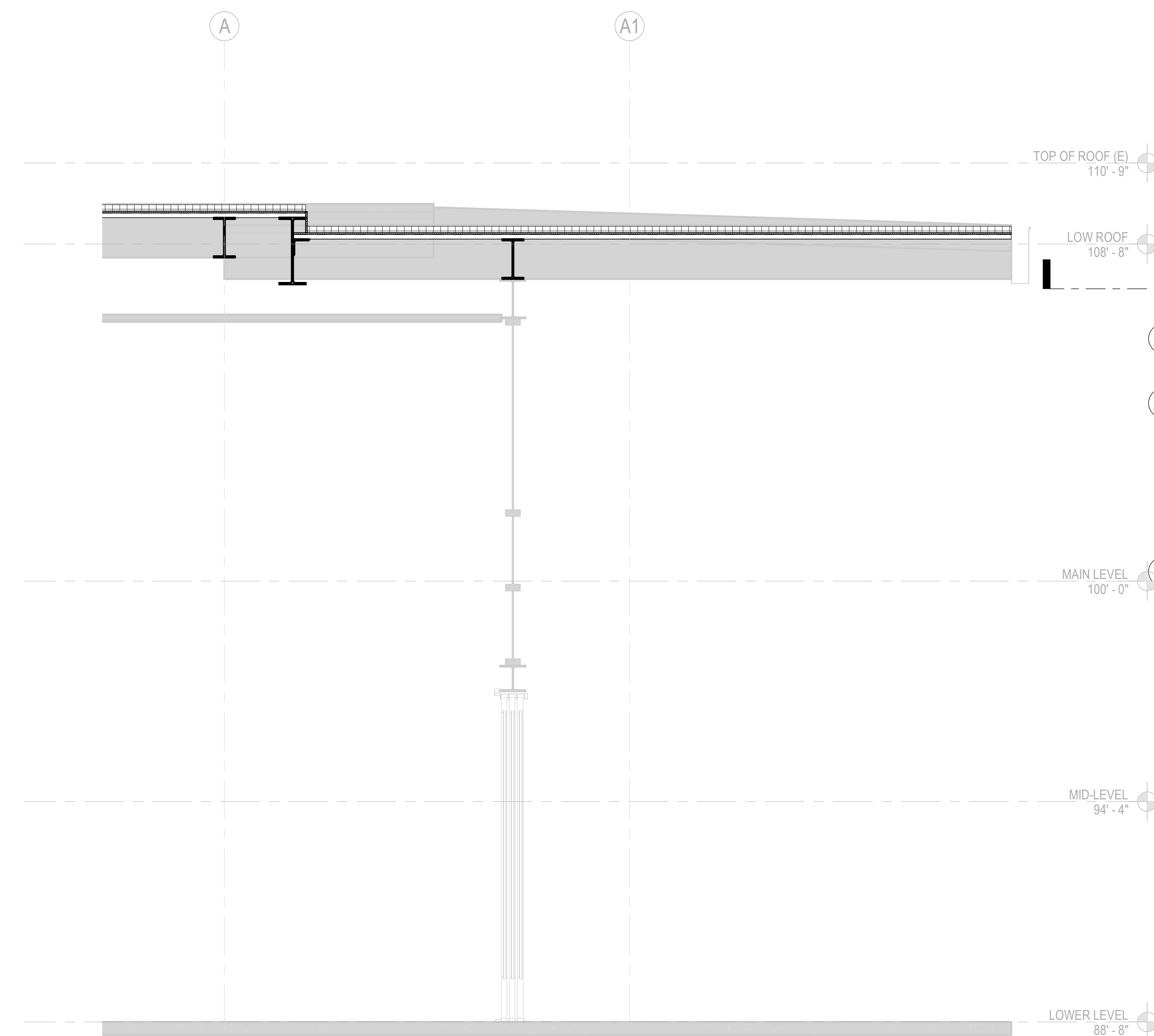
SCALE: As indicated

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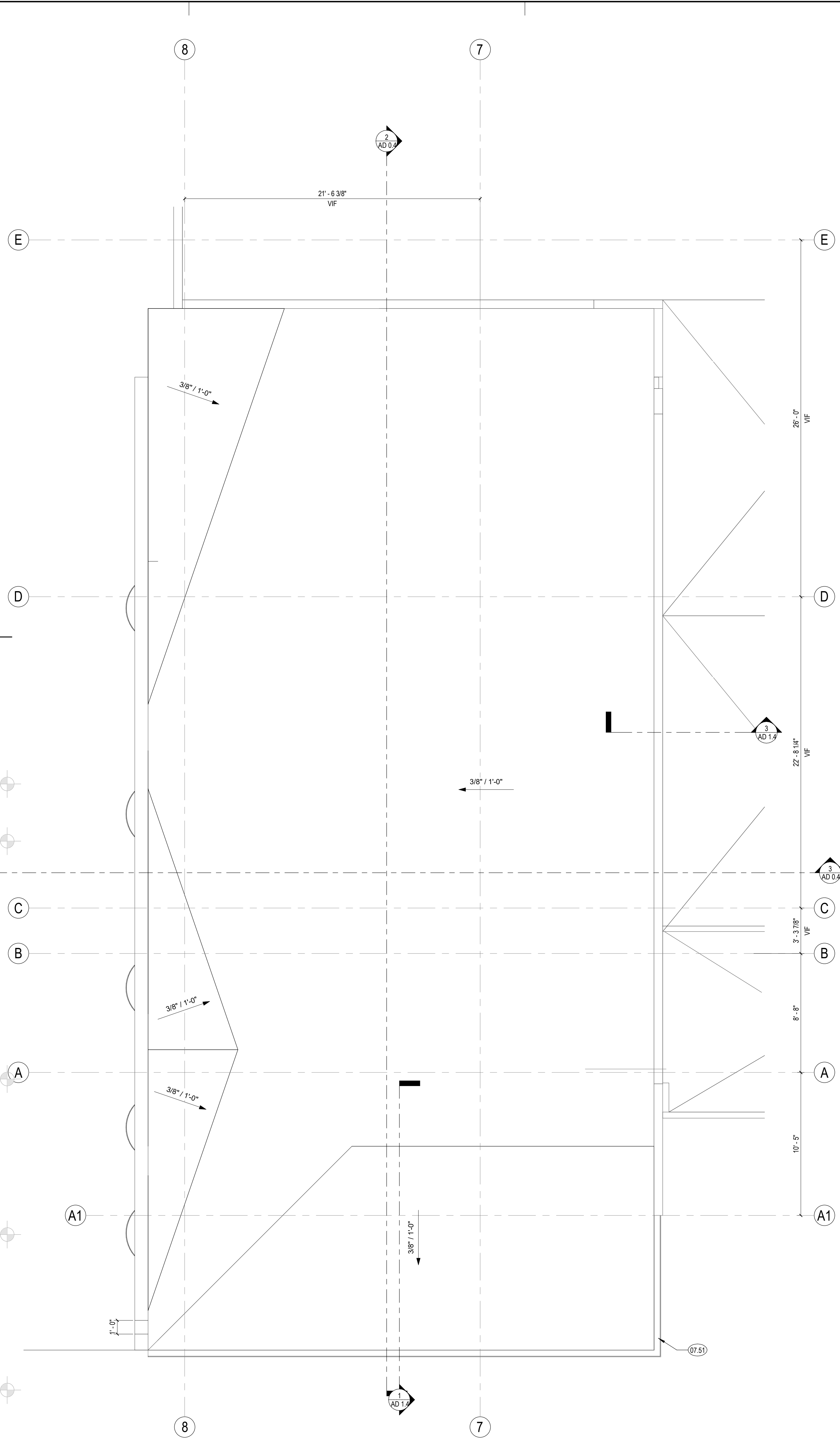
AD 1.4



3 COMMUNITY ROOM ADDITION - WALL SECTION - 2  
1/2" = 1'-0"



1 COMMUNITY ROOM ADDITION - WALL SECTION AT GLAZING  
1/2" = 1'-0"



2 COMMUNITY ROOM ADDITION - ROOF PLAN - LOW ROOF  
1/4" = 1'-0"



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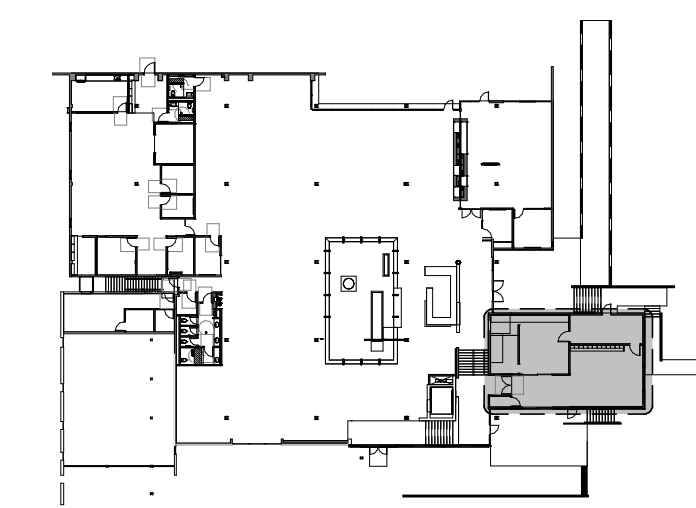
ENLARGED PLAN SHEET NOTES

- A. CONTRACTOR TO VERIFY ALL CONDITIONS PRIOR TO WORK.
- B. PROVIDE ACCESS PANELS AS REQUIRED PER APPLICABLE CODES FOR MAINTENANCE ACCESS TO INSTALLED MEP EQUIPMENT. PROVIDE STAINLESS STEEL ACCESS PANELS AT CERAMIC TILE LOCATIONS. COORDINATE TYPES AND LOCATIONS OF WALL ACCESS PANELS WITH ARCHITECT PRIOR TO INSTALLATION.
- C. BLOCKING OR BACKING SHALL BE PROVIDED IN PARTITIONS AS REQUIRED FOR WALL ATTACHED ITEMS. SEE DETAIL XXX FOR BACKING SCHEDULE FOR CABINETRY, SHELVING, MARKER BOARDS, CHAIR RAILS, GRAB BARS, SHOWER SEATS, HANDRAILS, FIXTURES, EQUIPMENT, FURNISHINGS AND OTHER ITEMS AS REQUIRED.
- D. MATCH EXISTING STUD DIMENSION WHERE NEW PARTITION FRAMING ALIGNS WITH EXISTING PARTITION. STUD SIZE INDICATED IN WALL TYPE NEEDS TO BE VERIFIED AT THESE CONDITIONS.
- E. NEW WALLS ARE DIMENSIONED TO FACE OF STUD.
- F. ADJACENT IN-LINE PARTITIONS OF DIFFERENT TYPES SHALL BE CONSTRUCTED SUCH THAT EXPOSED FINISH SURFACES ARE FLUSH AND CONTINUOUS.
- G. REPETITIVE FEATURES ARE NOT DRAWN TO THEIR ENTIRETY AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
- H. PATCH AND REPAIR EXISTING WALLS WHERE DAMAGED DUE TO REMOVAL OF WOOD TRIM, HANDRAILS, AND OTHER ITEMS.
- I. ALIGN NEW WALLS TO EXISTING STRUCTURAL GRID COLUMNS. V.I.F.

ENLARGED PLAN ELEVATION KEYNOTES

- 06.27 INFILL FLOOR
- 06.60 CUSTOM MILLWORK DISPLAY CASE, REFER TO ELEVATION FOR ADDITIONAL INFORMATION.
- 09.77 FABRIC WRAPPED ACOUSTIC PANEL, SEE ELEVATIONS FOR EXTENT AND FINISH

KEY PLAN



KEY PLAN - MAIN LEVEL - ADD ALT 1.6

ENLARGED PLAN LEGEND

CONSULTANTS LOGO

STAMP

NOT FOR CONSTRUCTION

NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

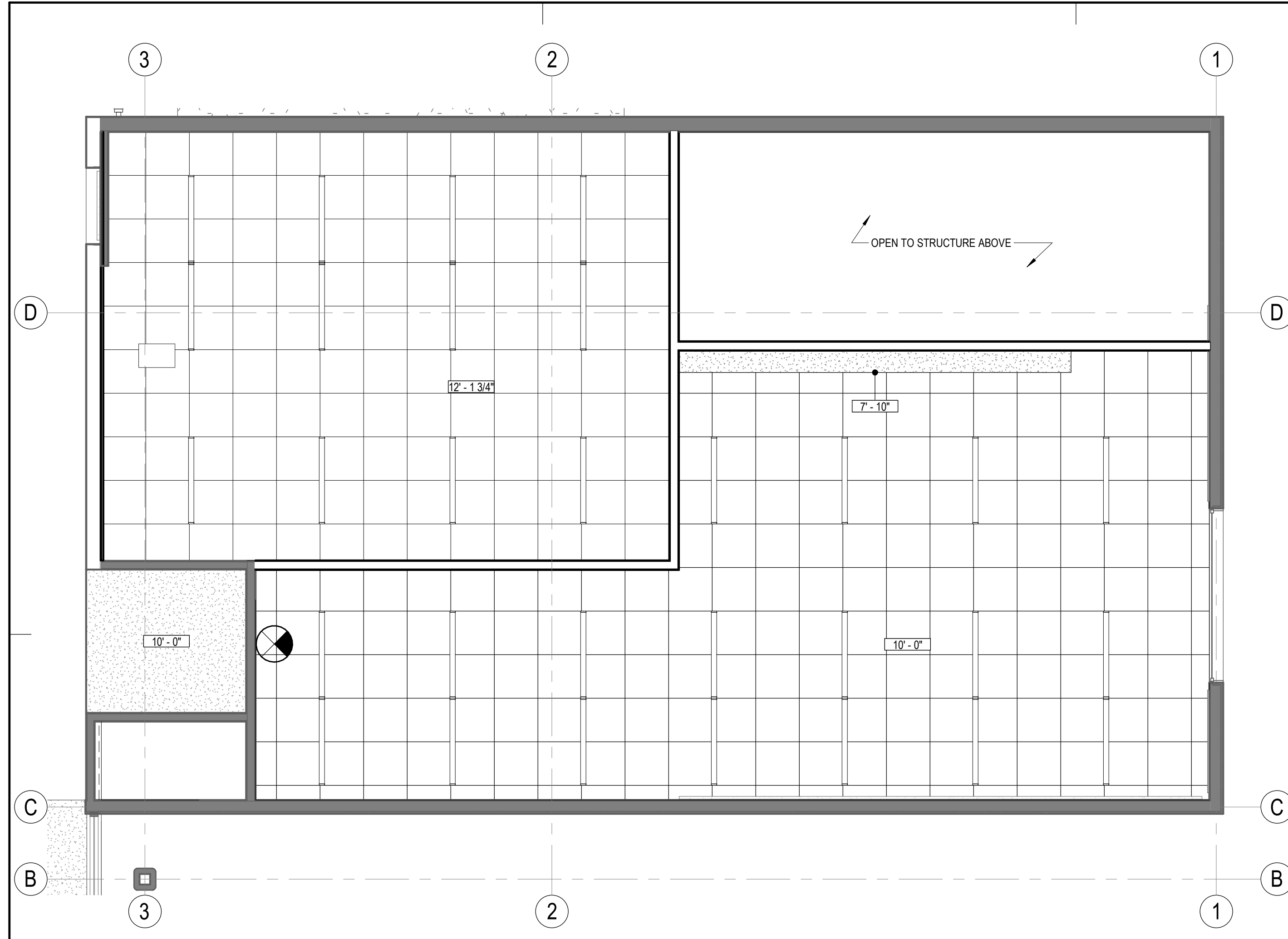
SHEET TITLE:

NOT IN USE -  
ALTERNATE MID  
LEVEL - FLOOR  
PLAN, RCP, +  
ELEVATIONS

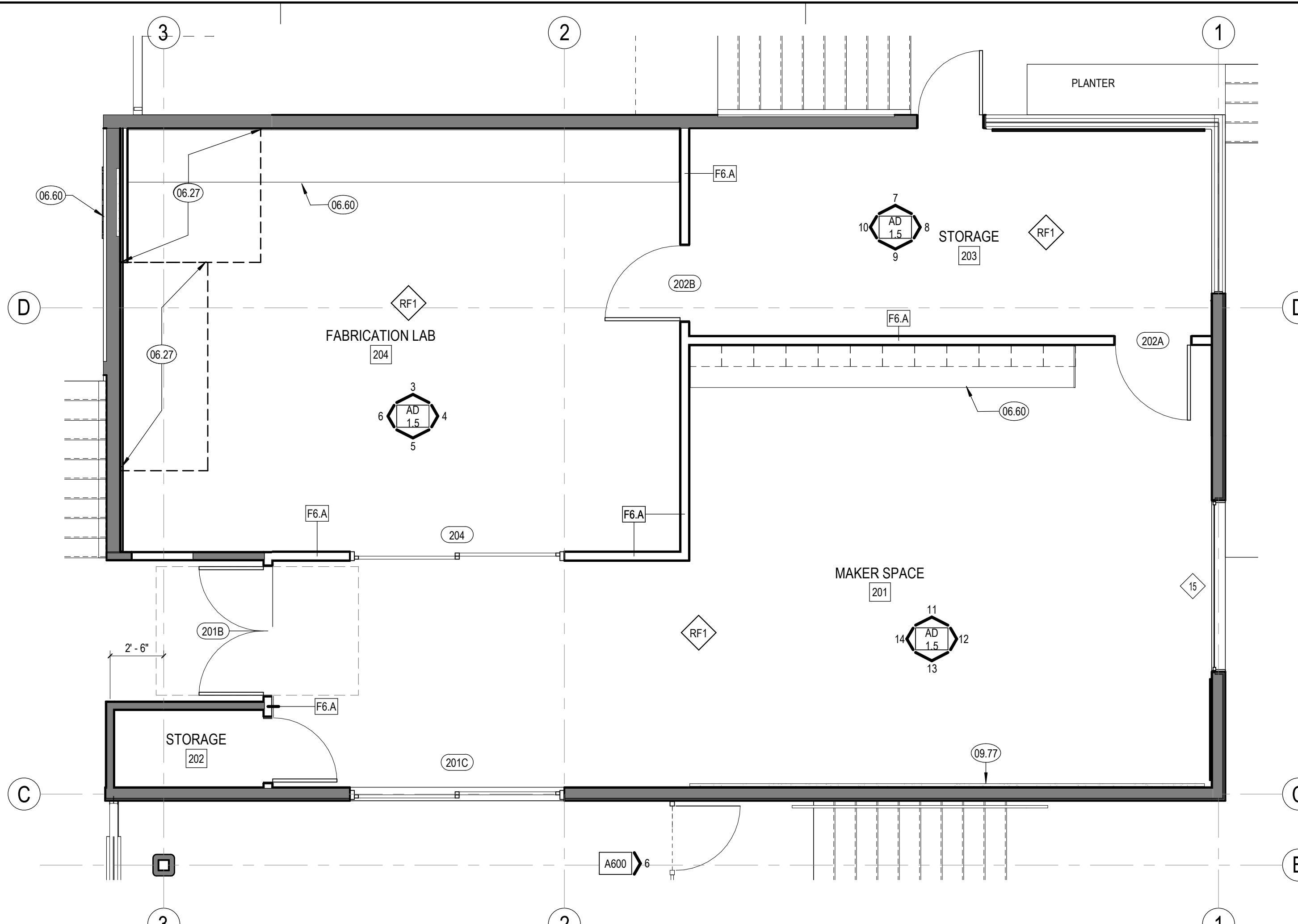
SCALE: As indicated

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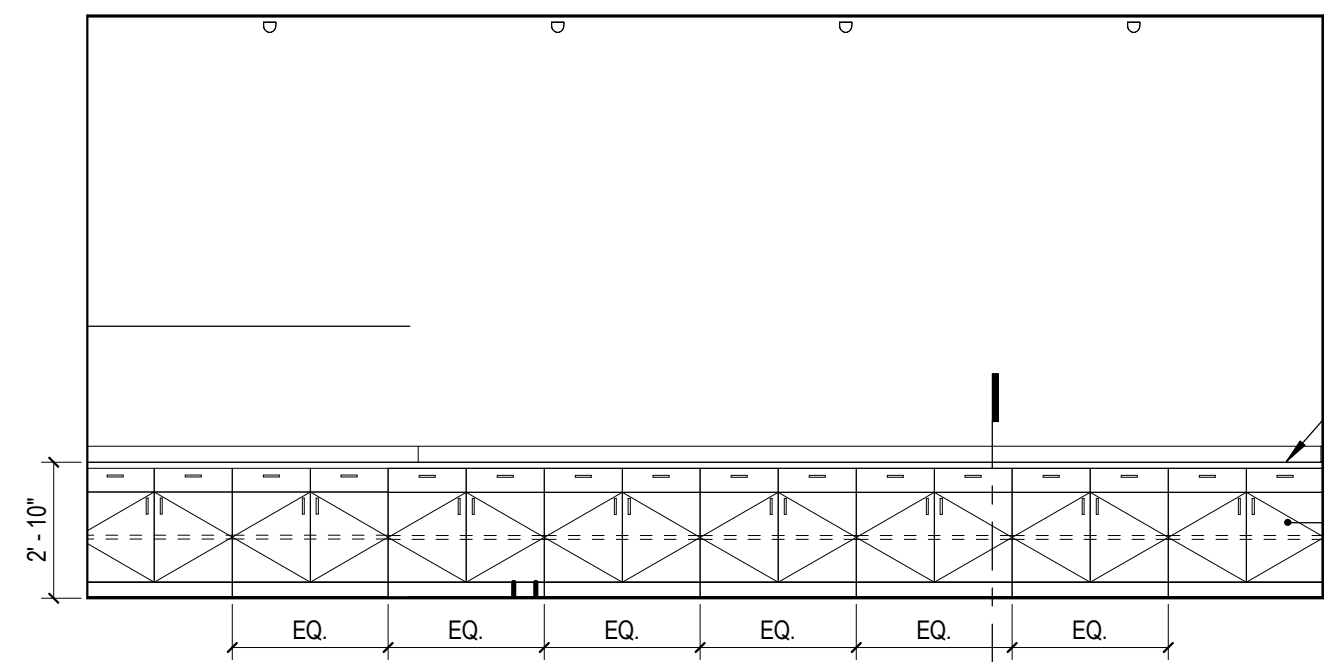
AD 1.5



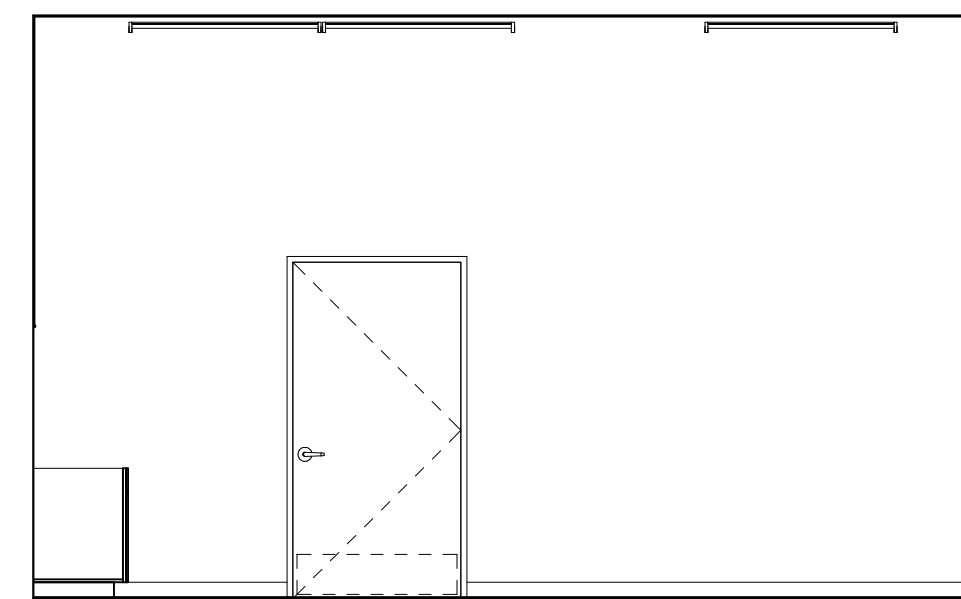
1 ALTERNATE MID LEVEL - RCP  
1/4" = 1'-0"



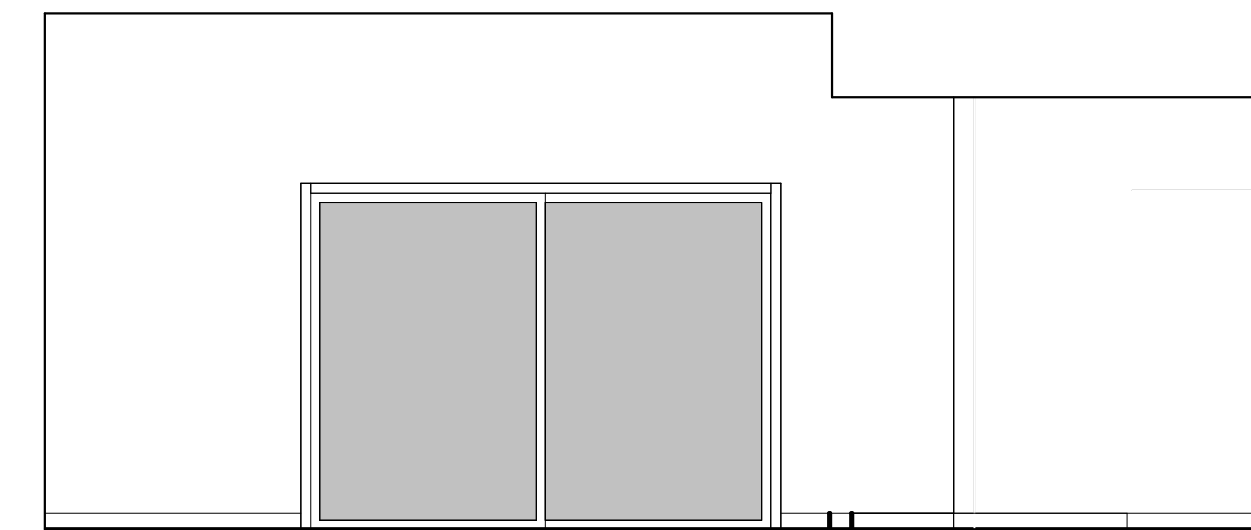
2 ALTERNATE MID LEVEL - FLOOR PLAN  
1/4" = 1'-0"



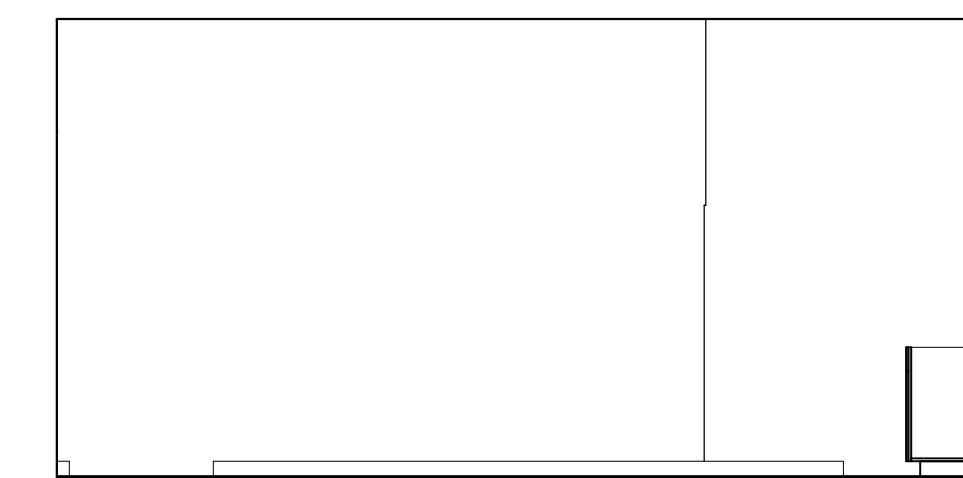
3 MID LEVEL - FABRICATION LAB 204 - N  
1/4" = 1'-0"



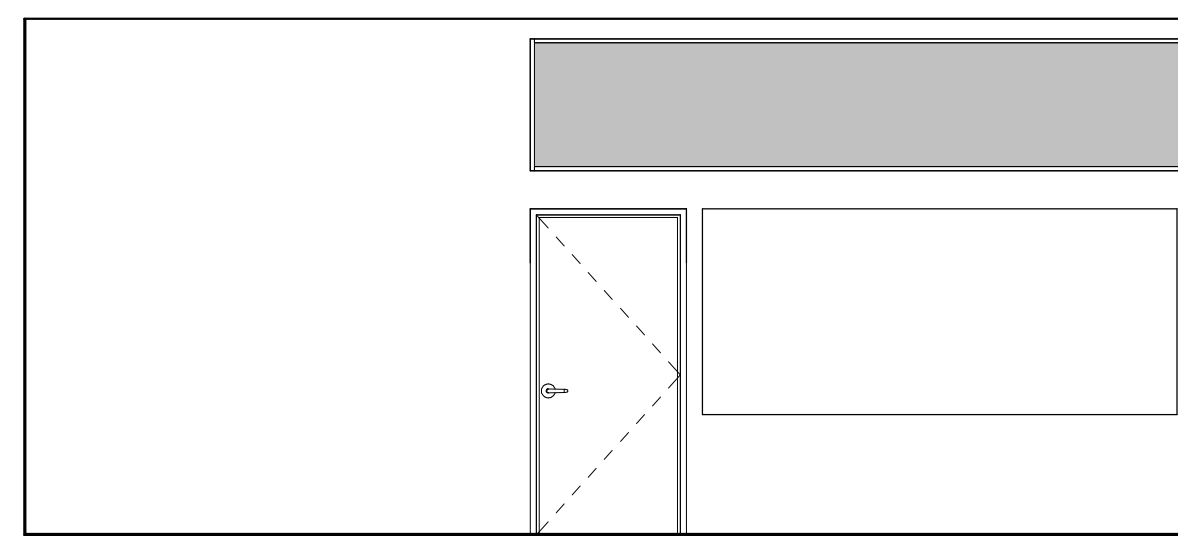
4 MID LEVEL - FABRICATION LAB 204 - E  
1/4" = 1'-0"



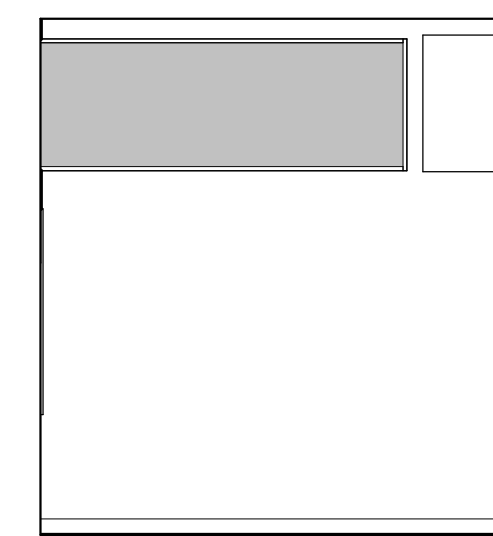
5 MID LEVEL - FABRICATION LAB 204 - S  
1/4" = 1'-0"



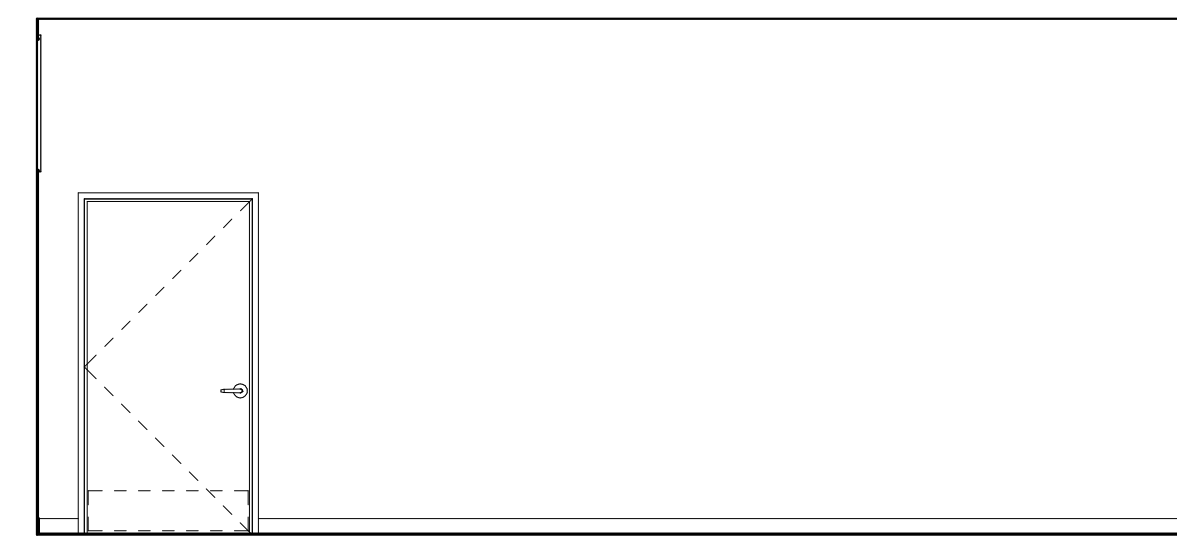
6 MID LEVEL - FABRICATION LAB 204 - W  
1/4" = 1'-0"



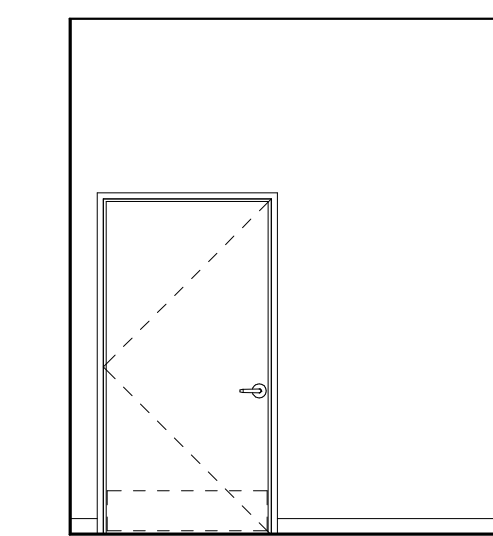
7 MID LEVEL - STORAGE 203 - N  
1/4" = 1'-0"



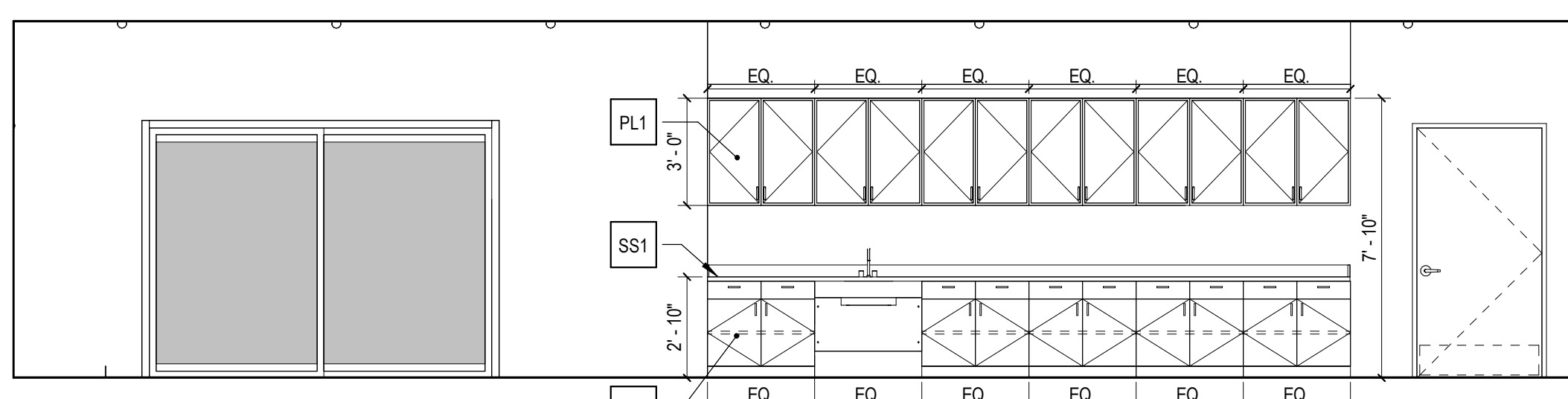
8 MID LEVEL - STORAGE 203 - E  
1/4" = 1'-0"



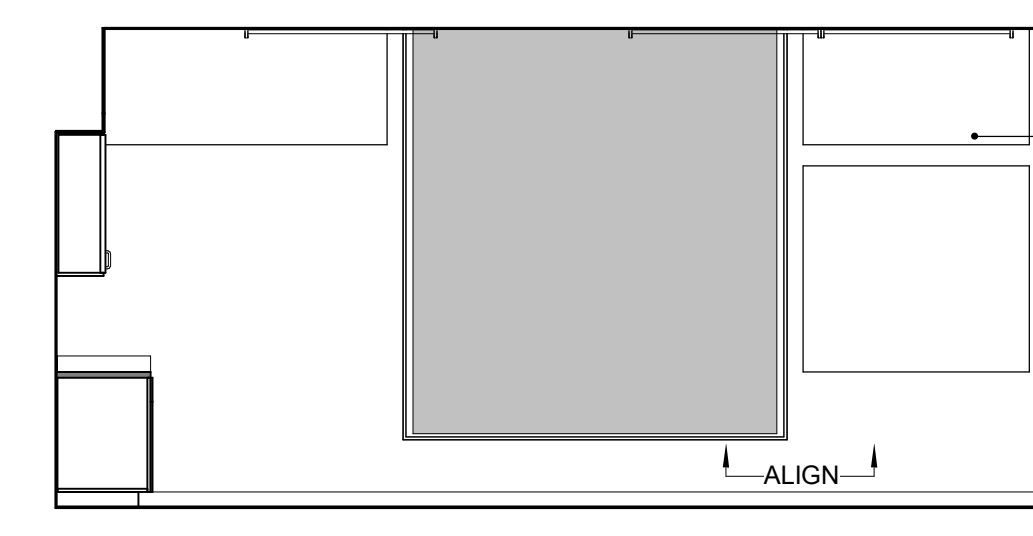
9 MID LEVEL - STORAGE 203 - S  
1/4" = 1'-0"



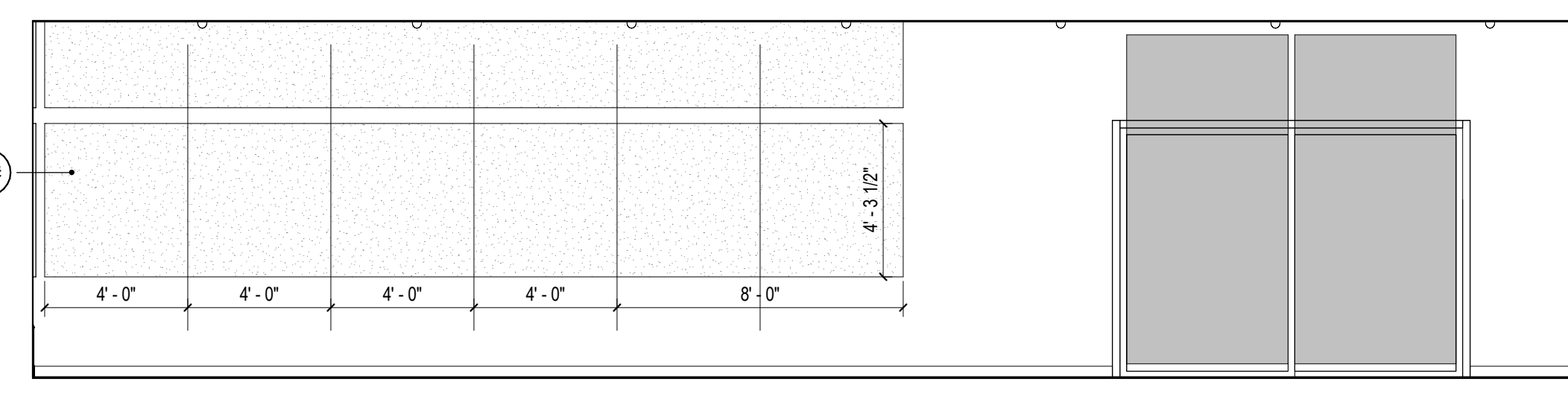
10 MID LEVEL - STORAGE 203 - W  
1/4" = 1'-0"



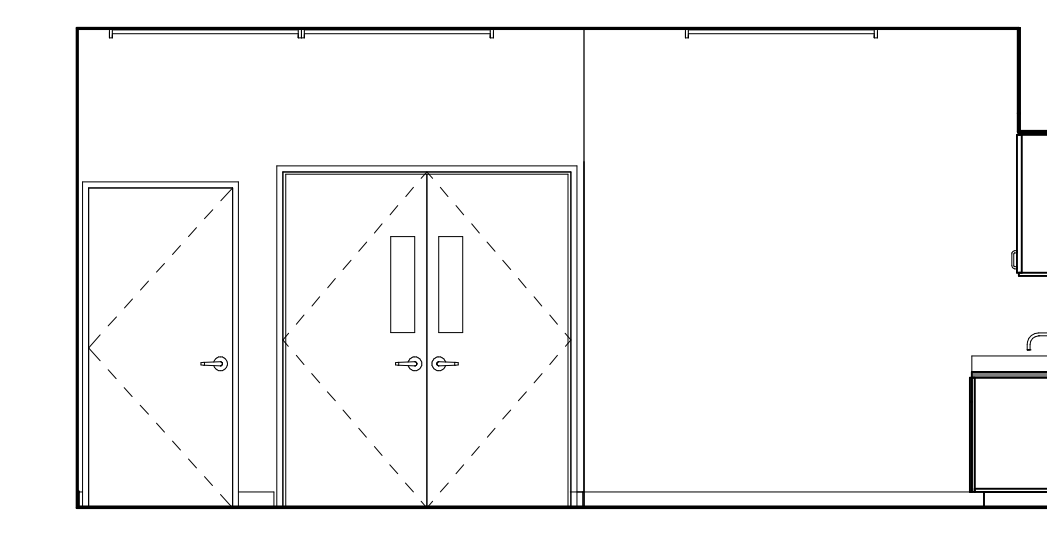
11 MID LEVEL - MAKER SPACE 201 - N  
1/4" = 1'-0"



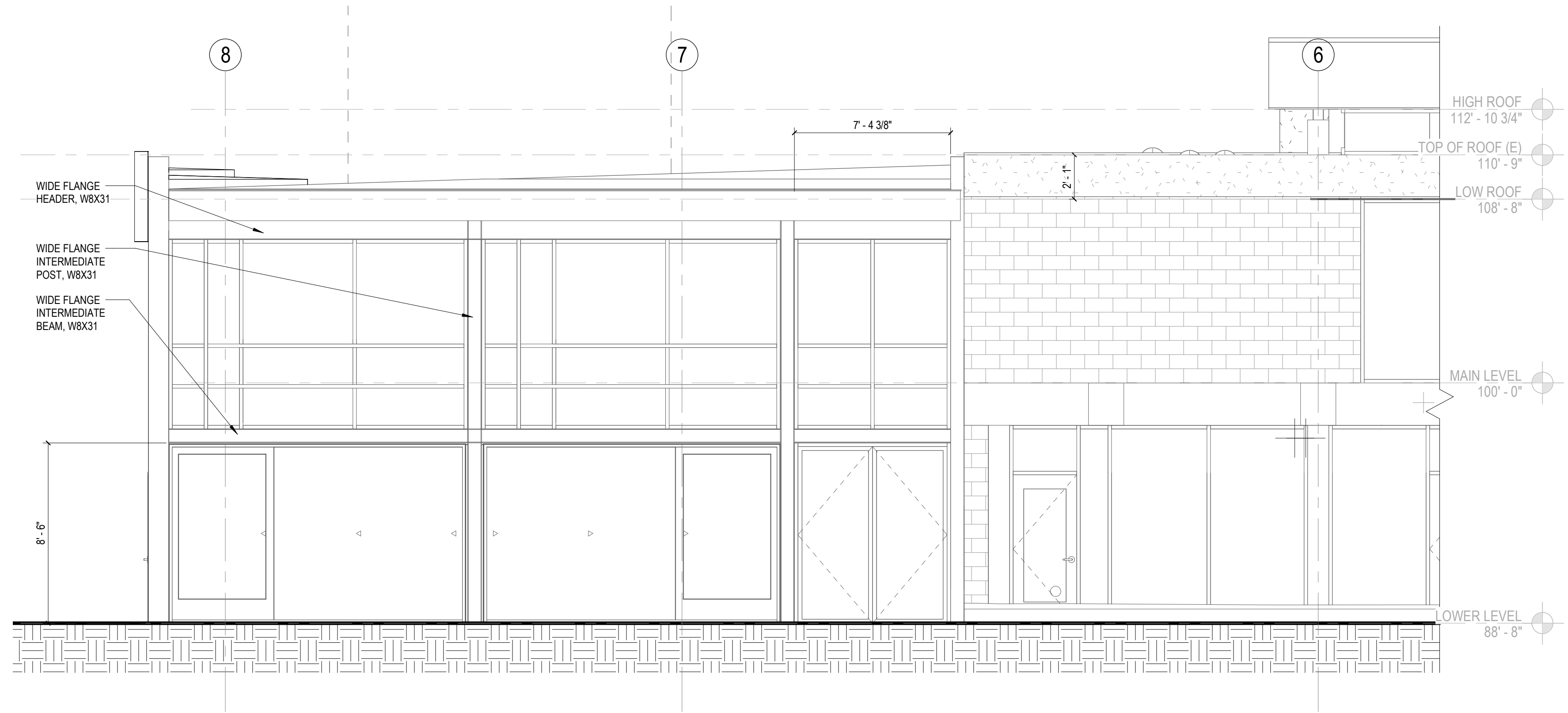
12 MID LEVEL - MAKER SPACE 201 - E  
1/4" = 1'-0"



13 MID LEVEL - MAKER SPACE 201 - S  
1/4" = 1'-0"



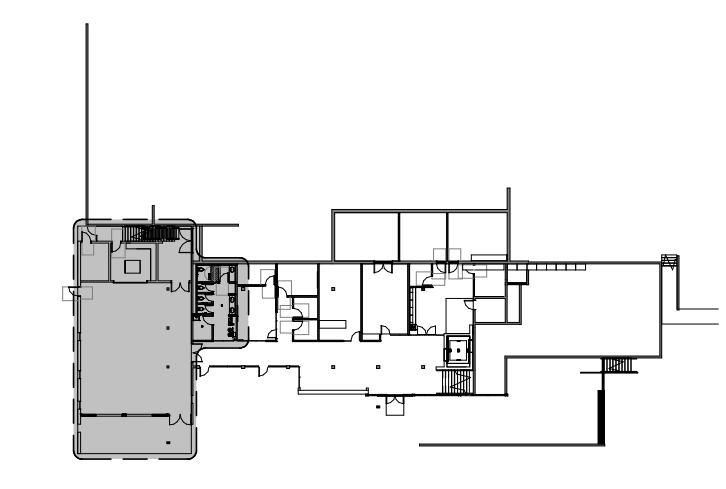
14 MID LEVEL - MAKER SPACE 201 - W  
1/4" = 1'-0"



ENLARGED PLAN SHEET NOTES

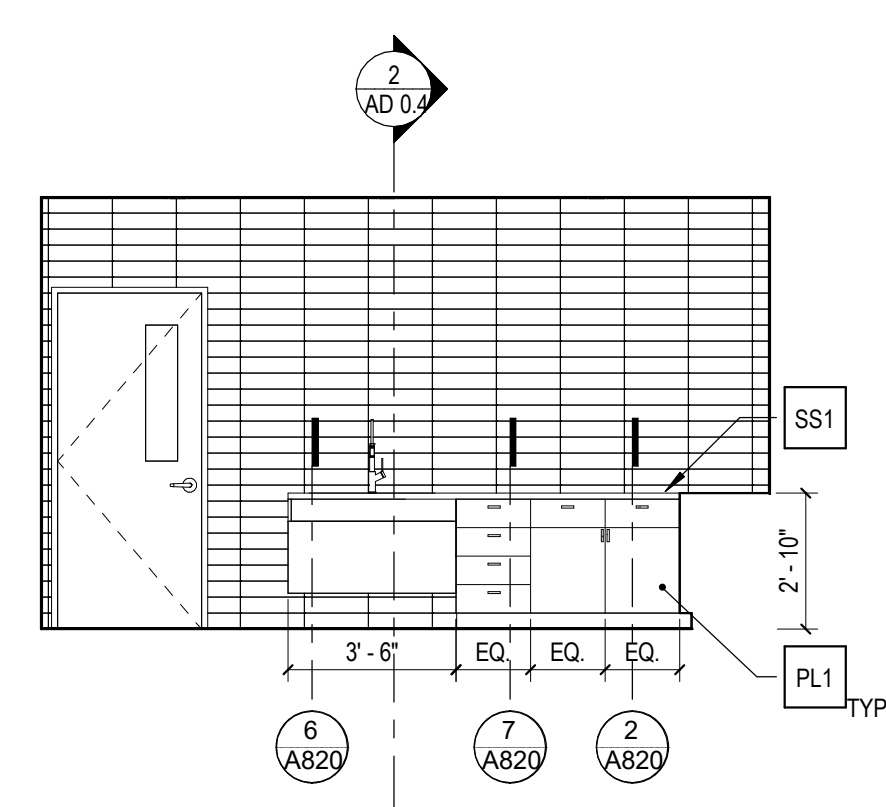
ENLARGED PLAN ELEVATION KEYNOTES

KEY PLAN



ENLARGED PLAN LEGEND

1 EXTERIOR - COMMUNITY ROOM ADDITION - S  
1/4" = 1'-0"

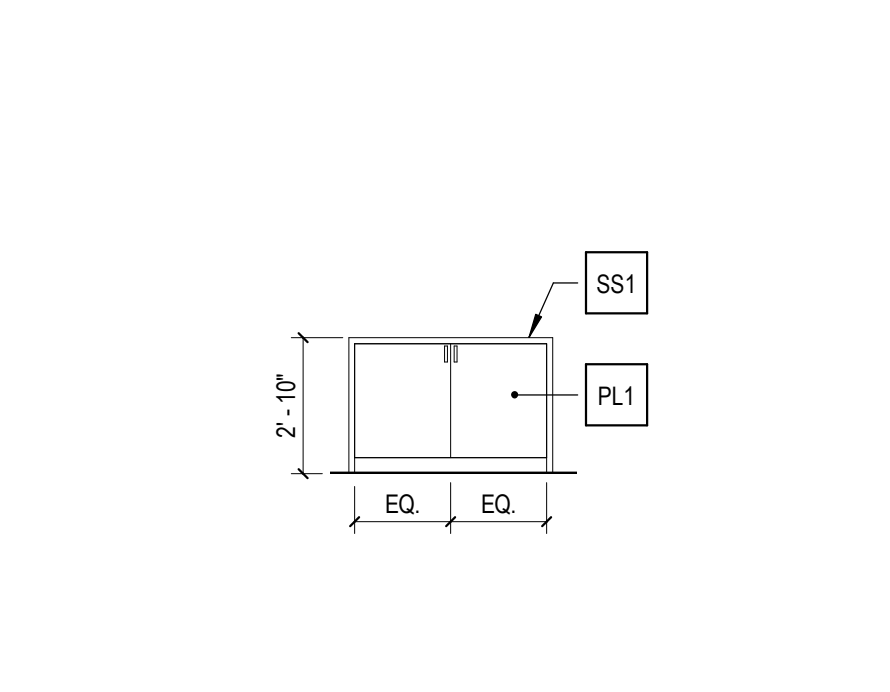
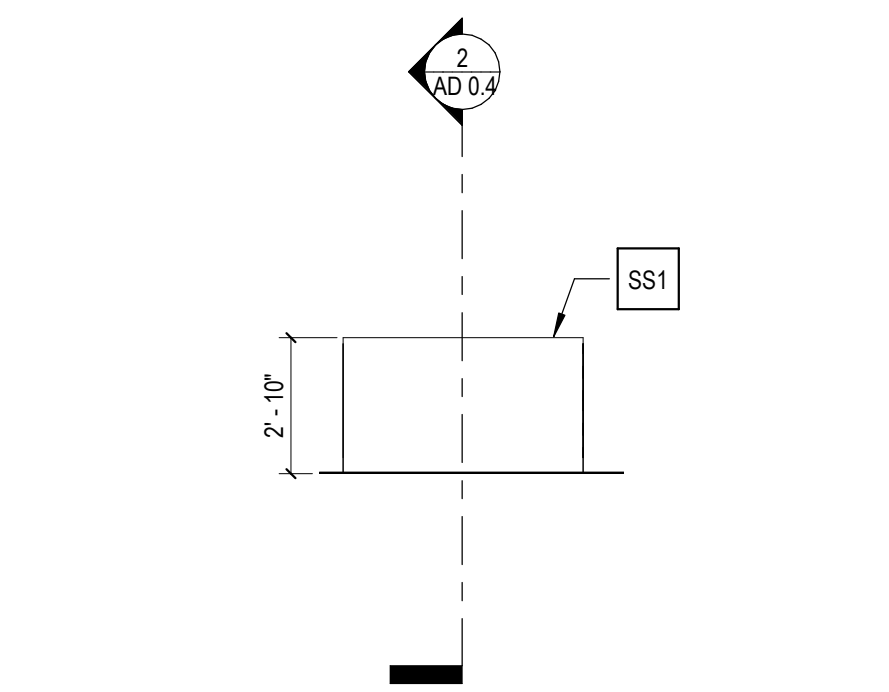
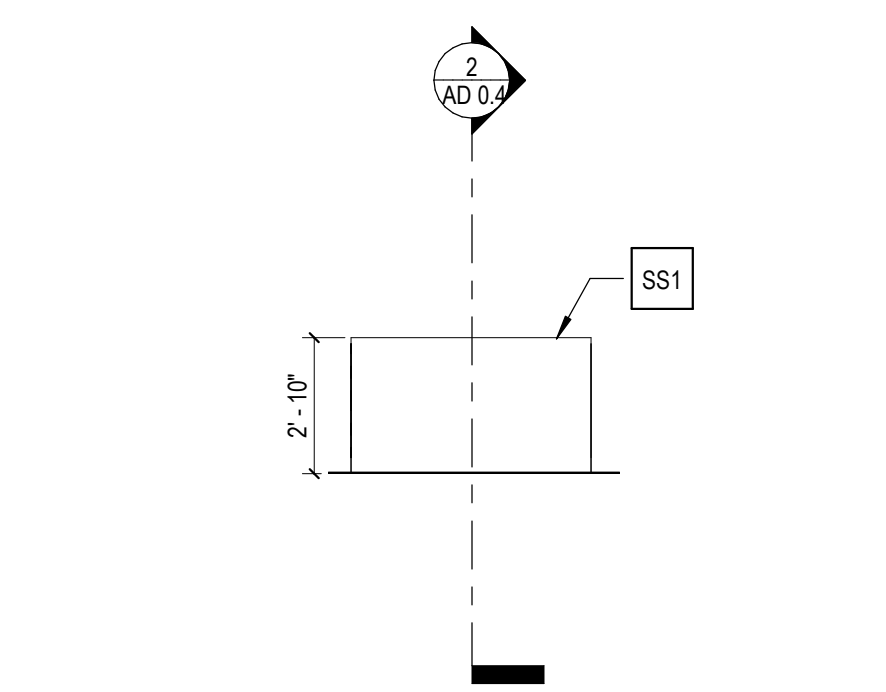


2 LOWER LEVEL - KITCHEN 116 - N  
1/4" = 1'-0"

3 LOWER LEVEL - KITCHEN 116 - E  
1/4" = 1'-0"

4 LOWER LEVEL - KITCHEN 116 - S  
1/4" = 1'-0"

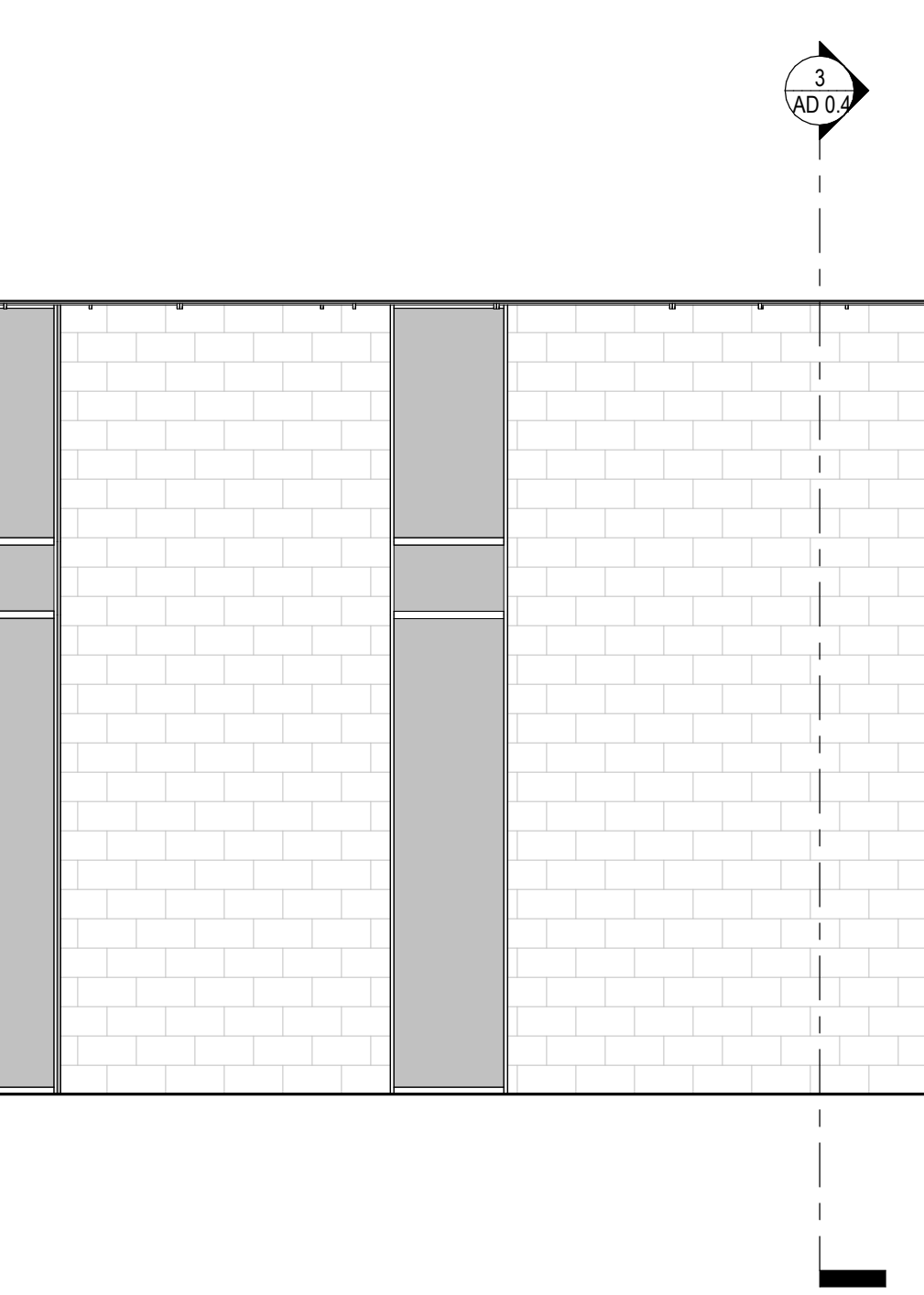
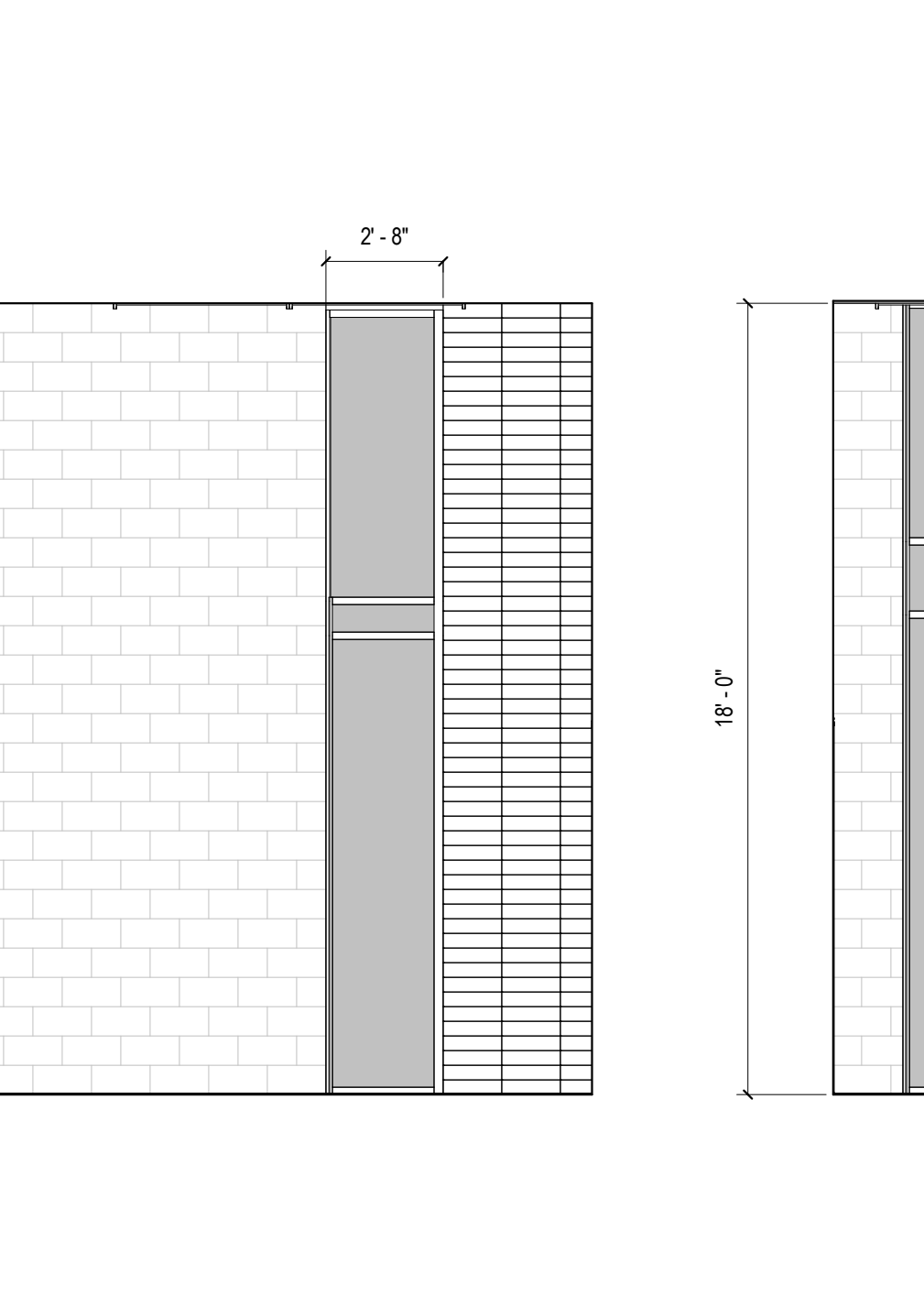
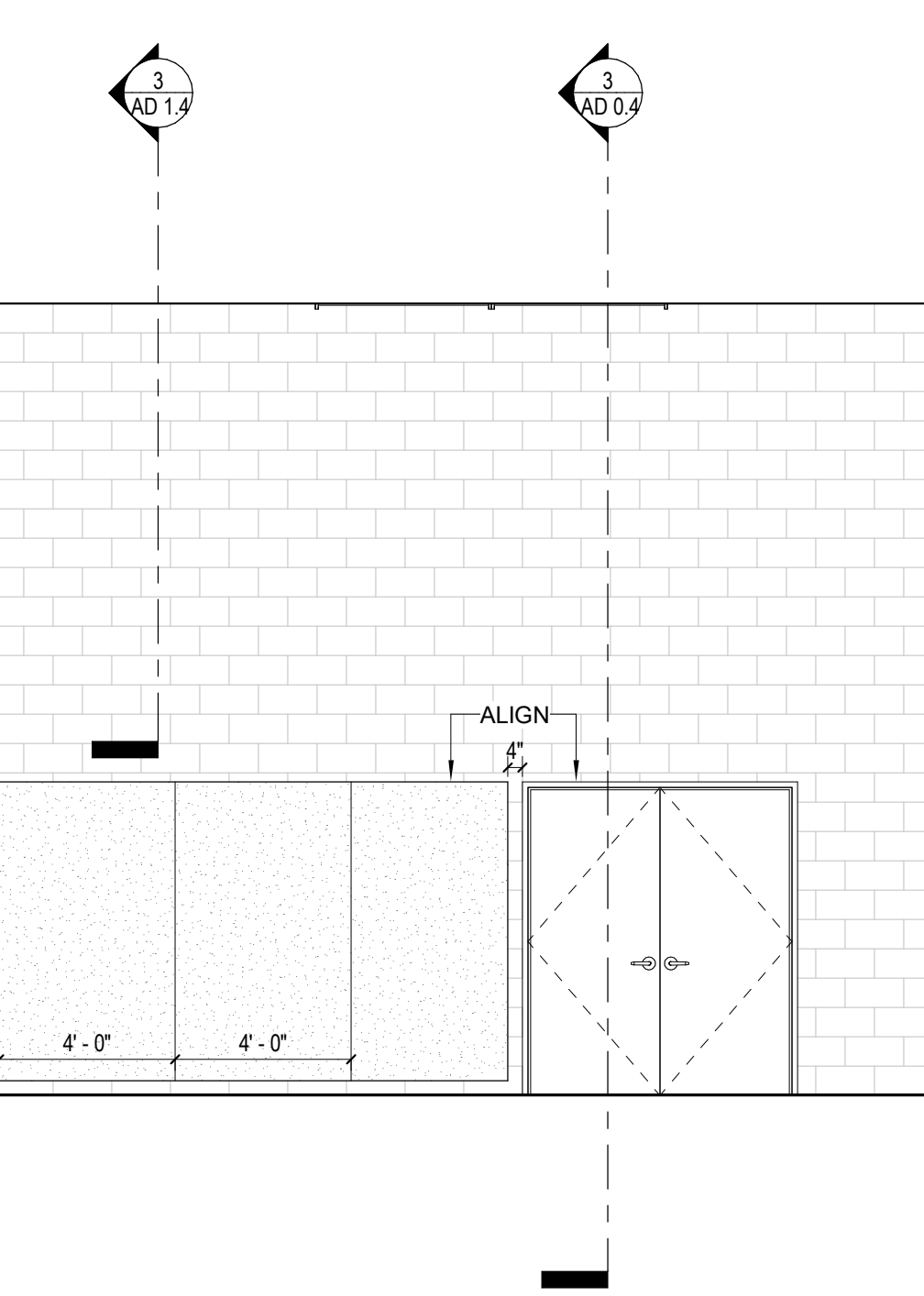
5 LOWER LEVEL - KITCHEN 116 - W  
1/4" = 1'-0"



6 LOWER LEVEL - KITCHEN 116 ISLAND - N  
1/4" = 1'-0"

7 LOWER LEVEL - KITCHEN 116 ISLAND - S  
1/4" = 1'-0"

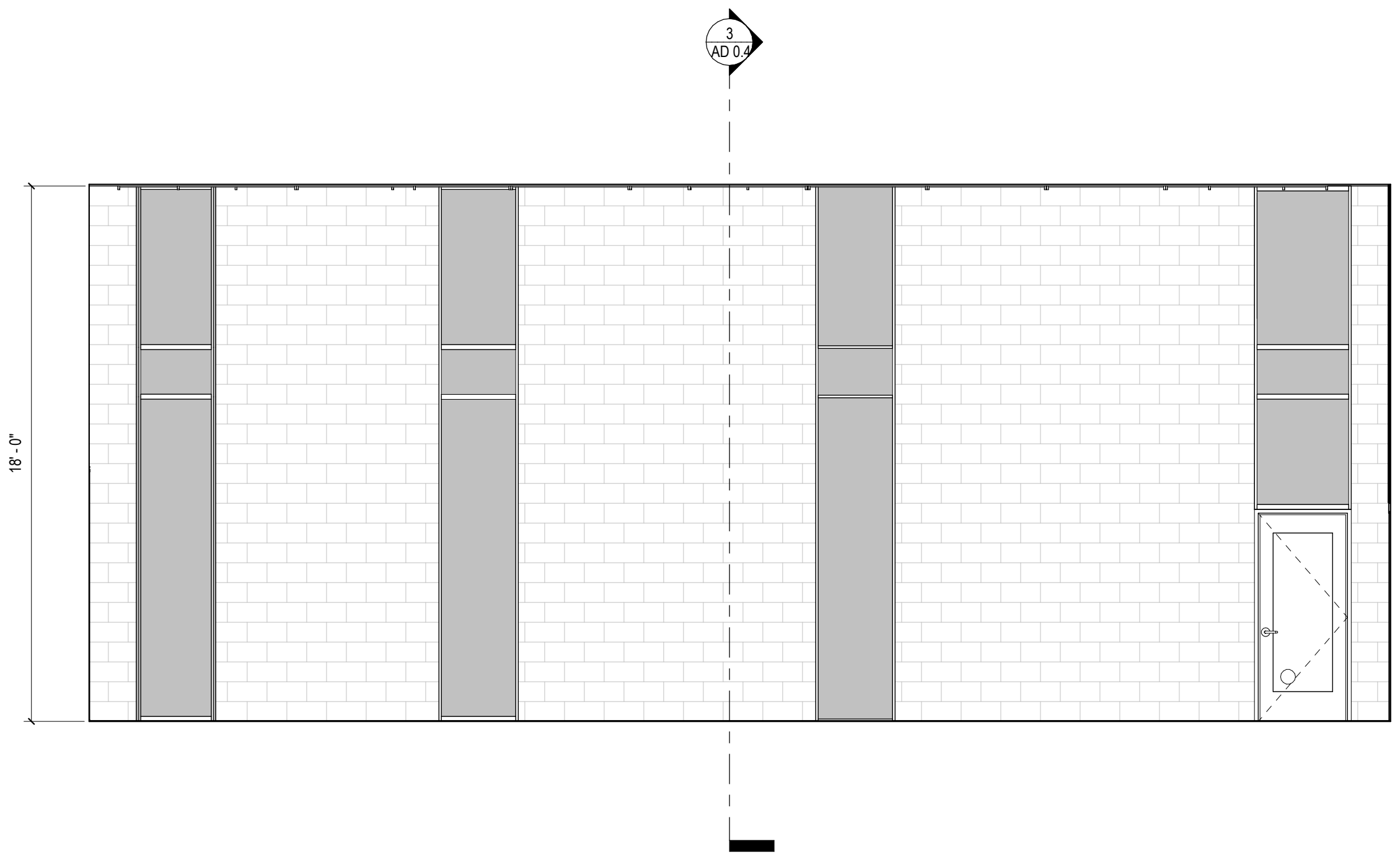
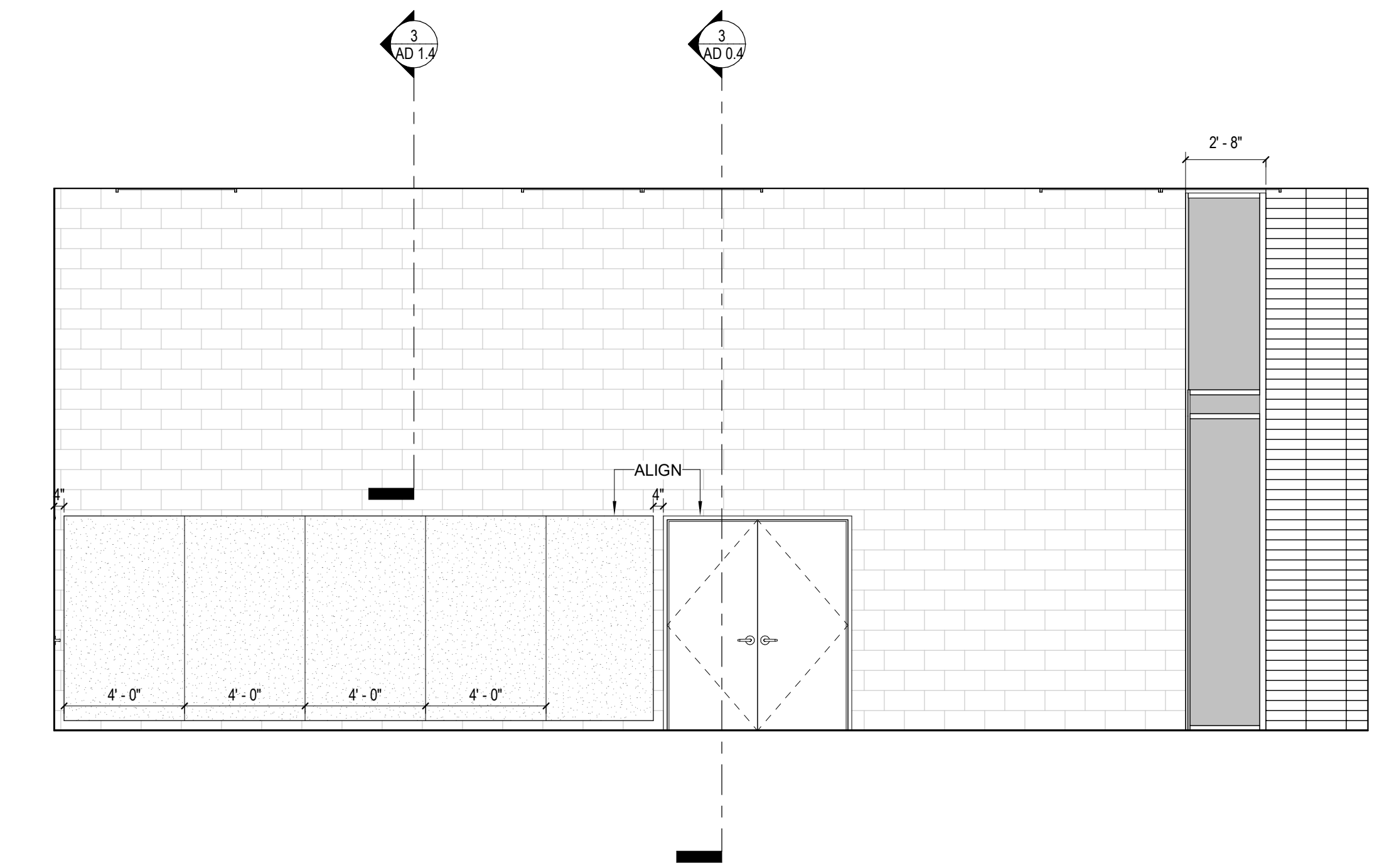
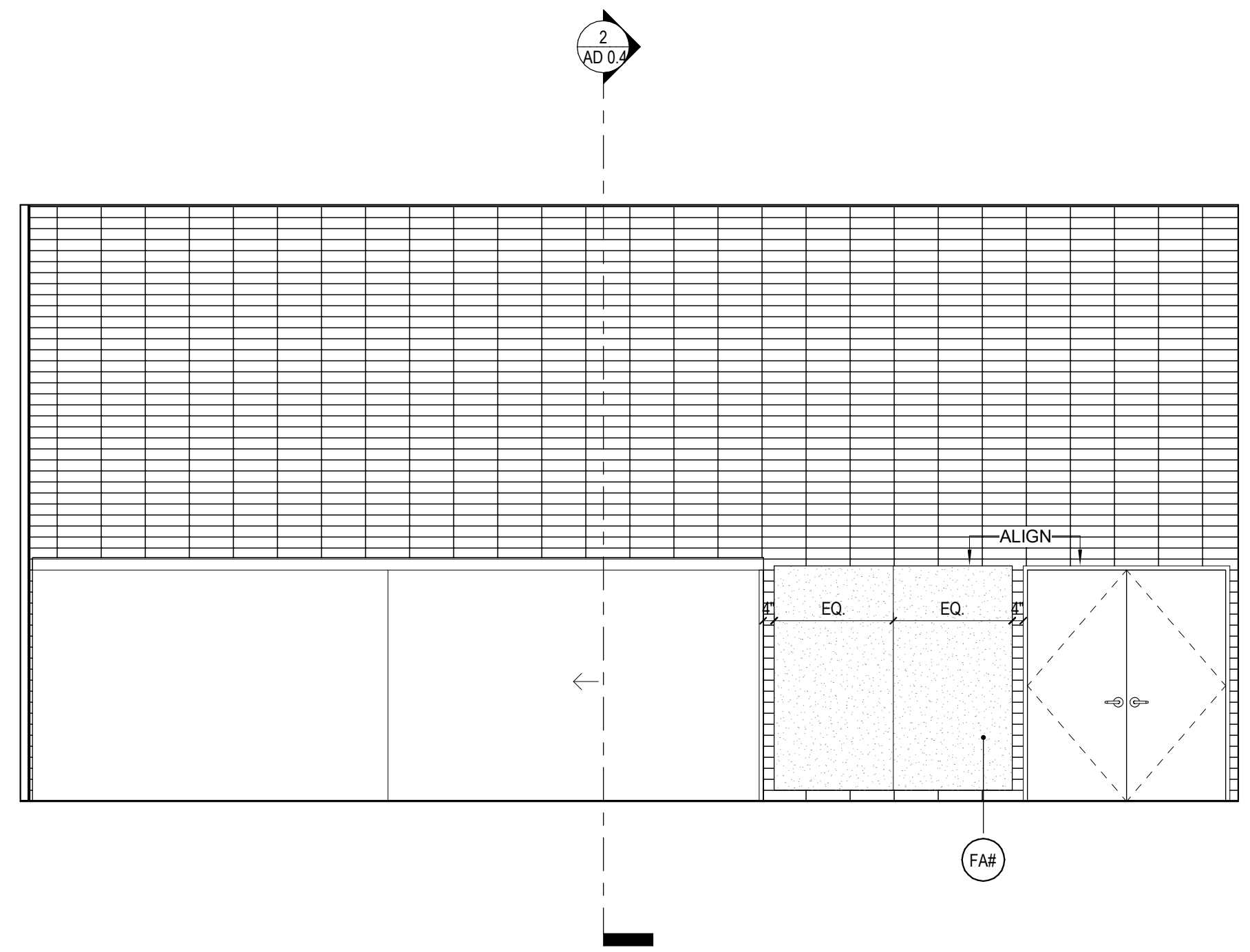
8 LOWER LEVEL - KITCHEN 116 ISLAND - W  
1/4" = 1'-0"



9 LOWER LEVEL - COMMUNITY ROOM 114 - N  
1/4" = 1'-0"

10 LOWER LEVEL - COMMUNITY ROOM 114 - E  
1/4" = 1'-0"

11 LOWER LEVEL - COMMUNITY ROOM 114 - W  
1/4" = 1'-0"



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CONSULTANTS LOGO

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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

**SHEET NOT IN USE -**  
**COMMUNITY ROOM**  
**ADDITION -**  
**INTERIOR &**  
**EXTERIOR**  
**ELEVATIONS**

SCALE: As indicated

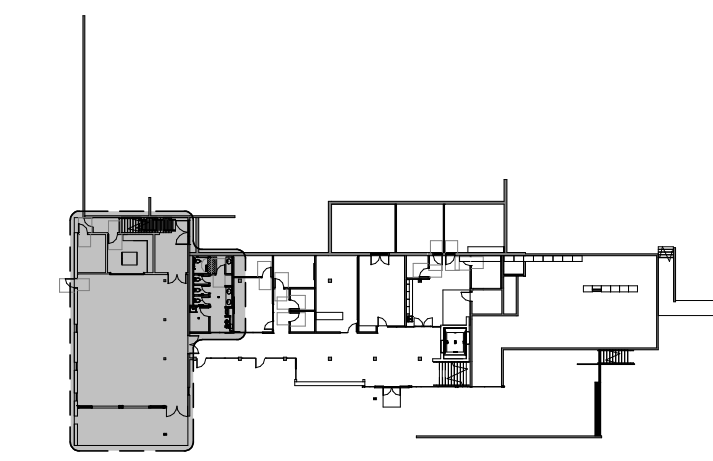
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AD 1.7

ENLARGED PLAN SHEET NOTES

ENLARGED PLAN ELEVATION KEYNOTES

KEY PLAN



LOWER LEVEL - ADD ALT 1.4

ENLARGED PLAN LEGEND

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PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

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PROJECT NO. 2111010

DATE: 01-08-2024

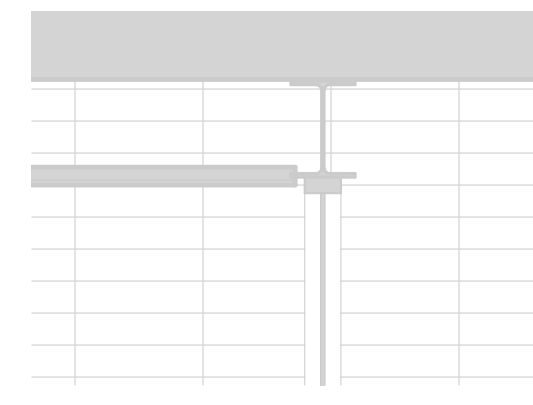
SHEET TITLE:

**NOT IN USE - COMMUNITY ROOM ADDITION - INTERIOR ELEVATIONS**

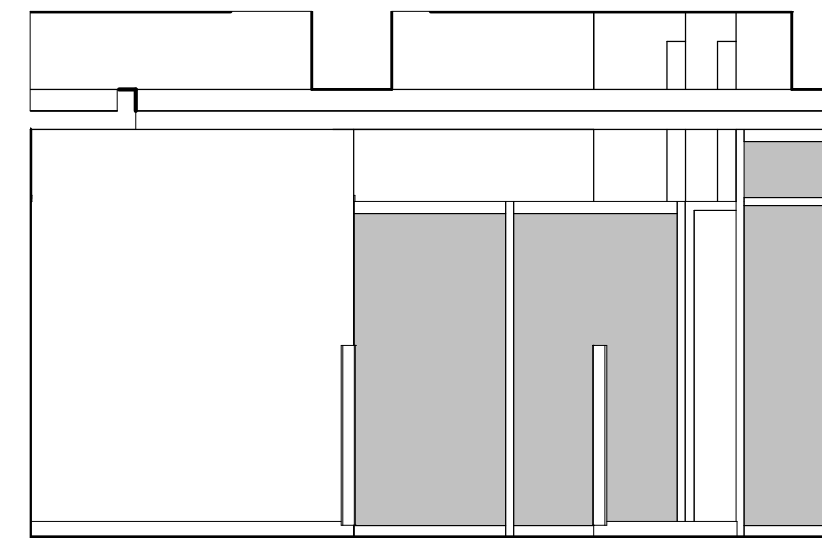
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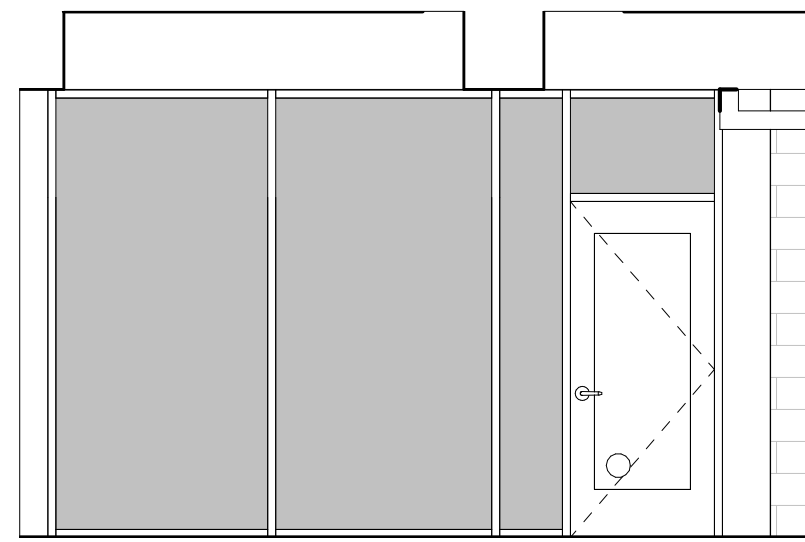
1 INTERIOR TO EXTERIOR WOOD SLAT CEILING  
1/2" = 1'-0"



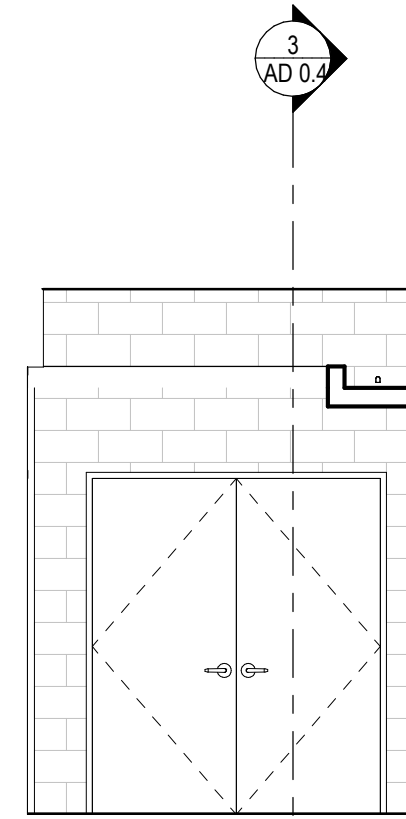
2 LOWER LEVEL - ENTRY LOBBY 100 HALL - N  
1/4" = 1'-0"



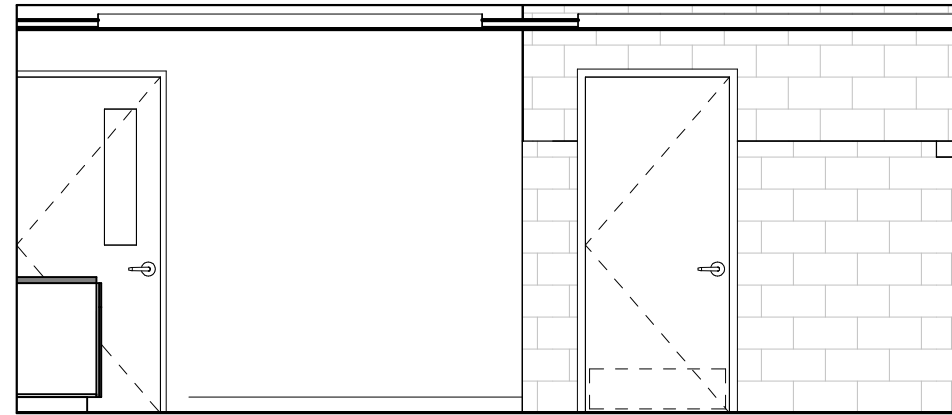
3 LOWER LEVEL - ENTRY LOBBY 100 HALL - S  
1/4" = 1'-0"



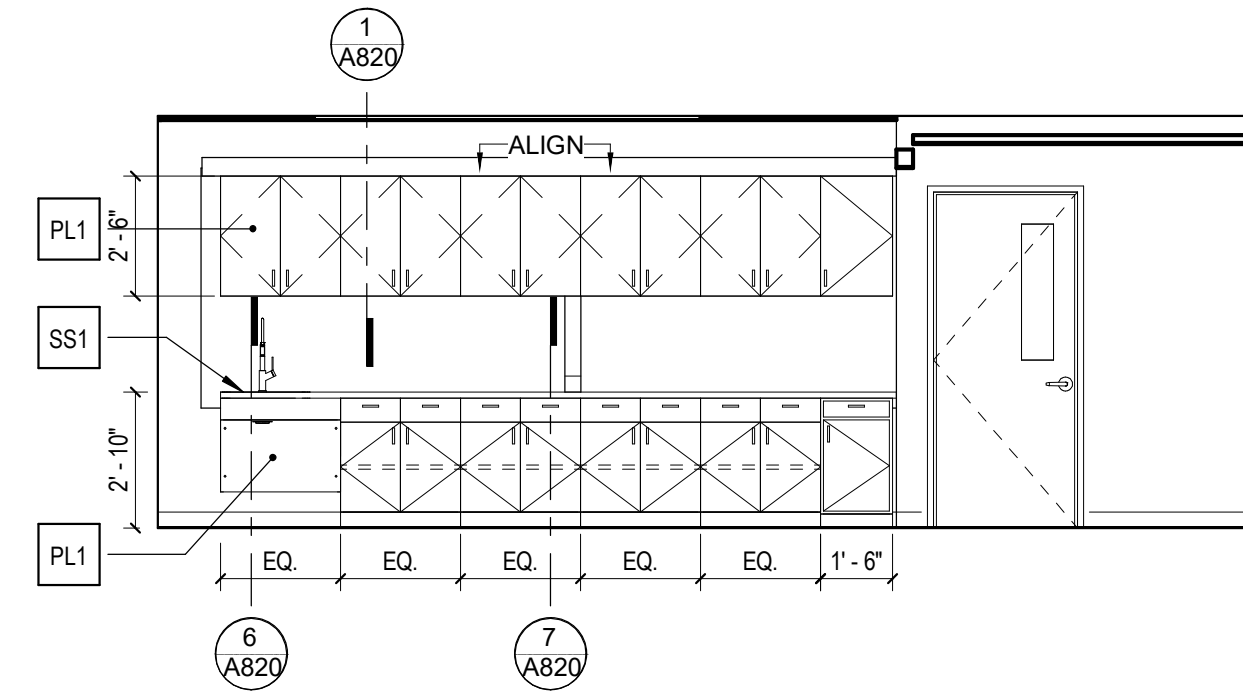
4 LOWER LEVEL - ENTRY LOBBY 100 HALL - W  
1/4" = 1'-0"



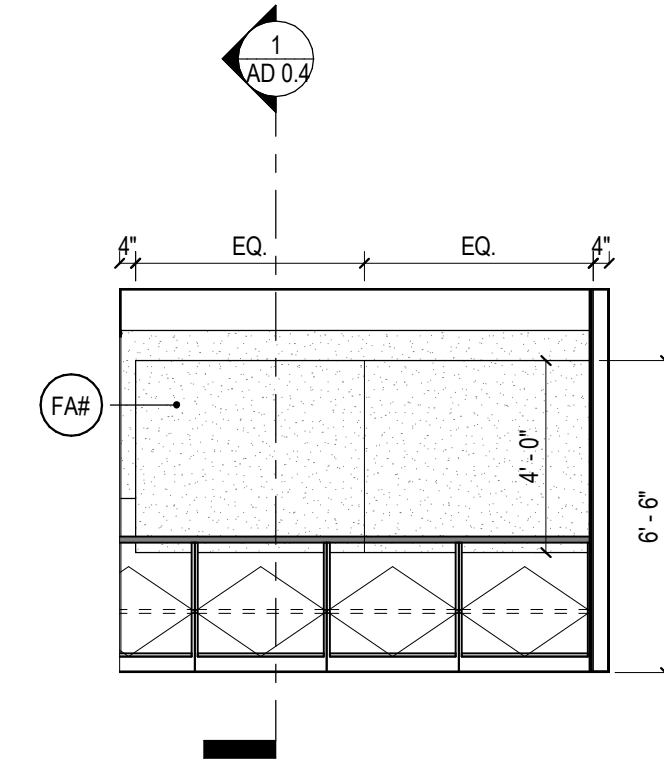
5 LOWER LEVEL - CO-WORK 101 - E  
1/4" = 1'-0"



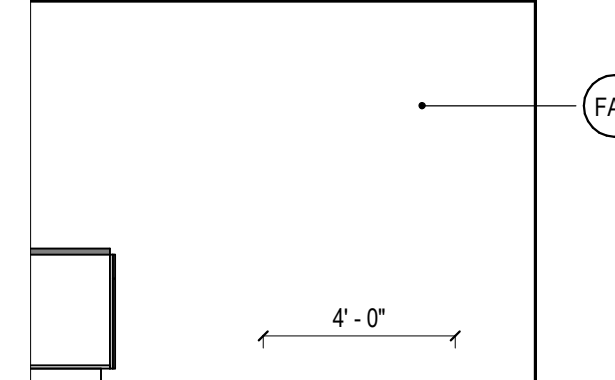
6 LOWER LEVEL - CO-WORK 101 - W  
1/4" = 1'-0"



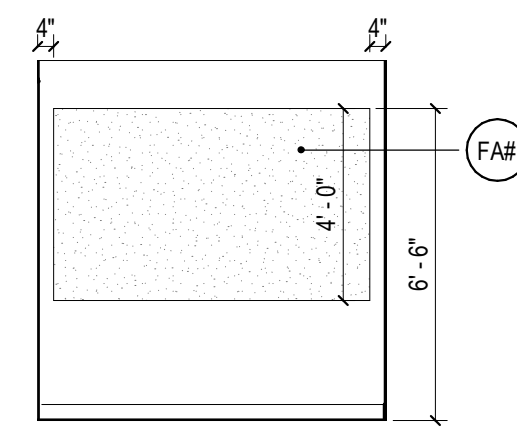
7 LOWER LEVEL - TELE MTG ROOM 101A - N  
1/4" = 1'-0"



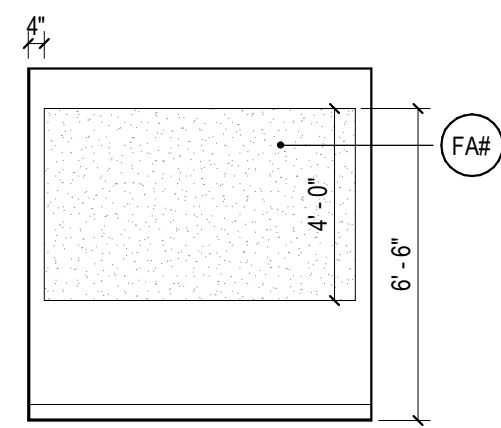
8 LOWER LEVEL - TELE MTG ROOM 101A - E  
1/4" = 1'-0"



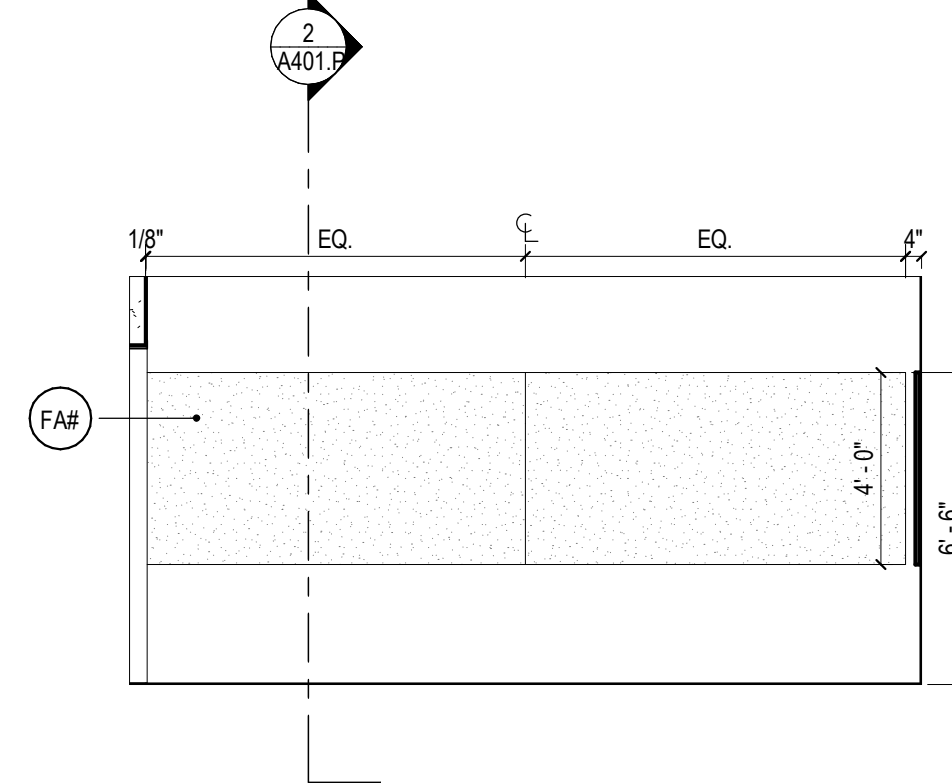
9 LOWER LEVEL - TELE MTG ROOM 101B - S  
1/4" = 1'-0"



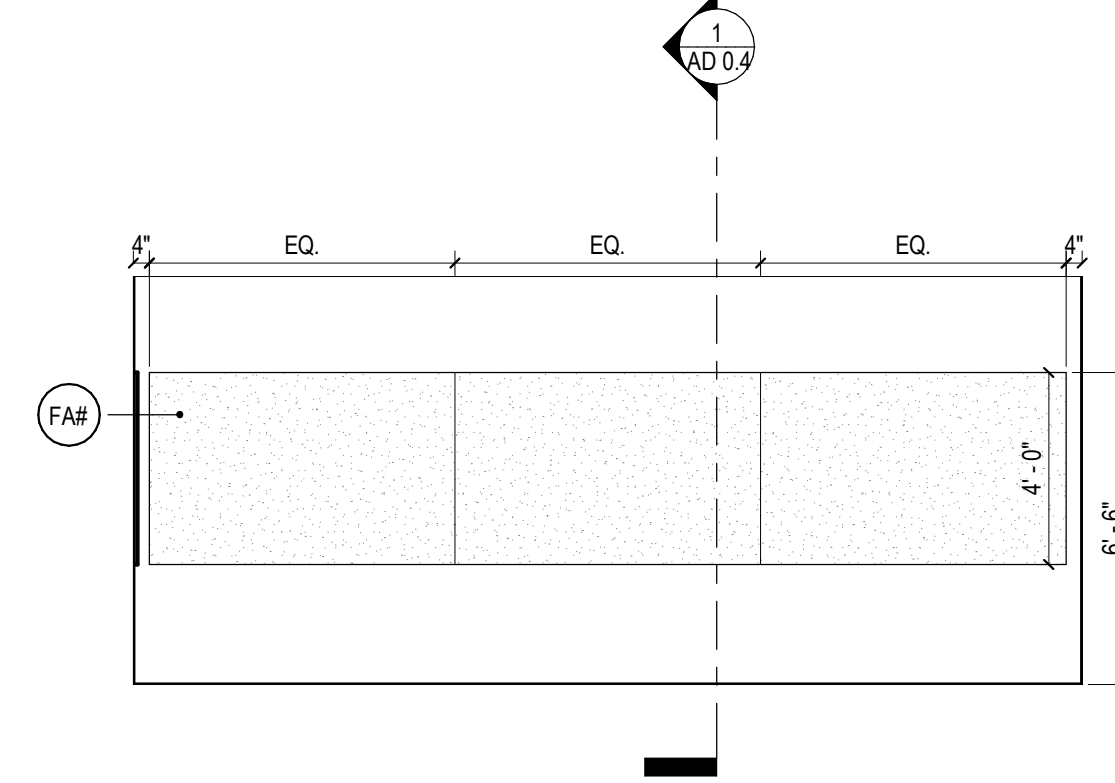
10 LOWER LEVEL - TELE MTG ROOM 101B - W  
1/4" = 1'-0"



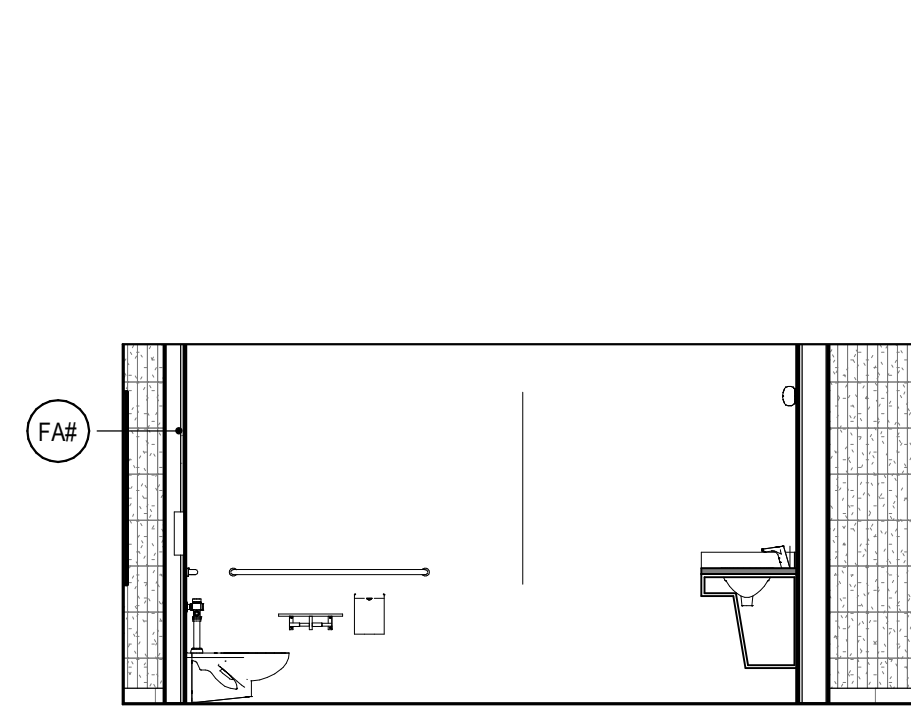
11 LOWER LEVEL - MEETING ROOM 103 - W  
1/4" = 1'-0"



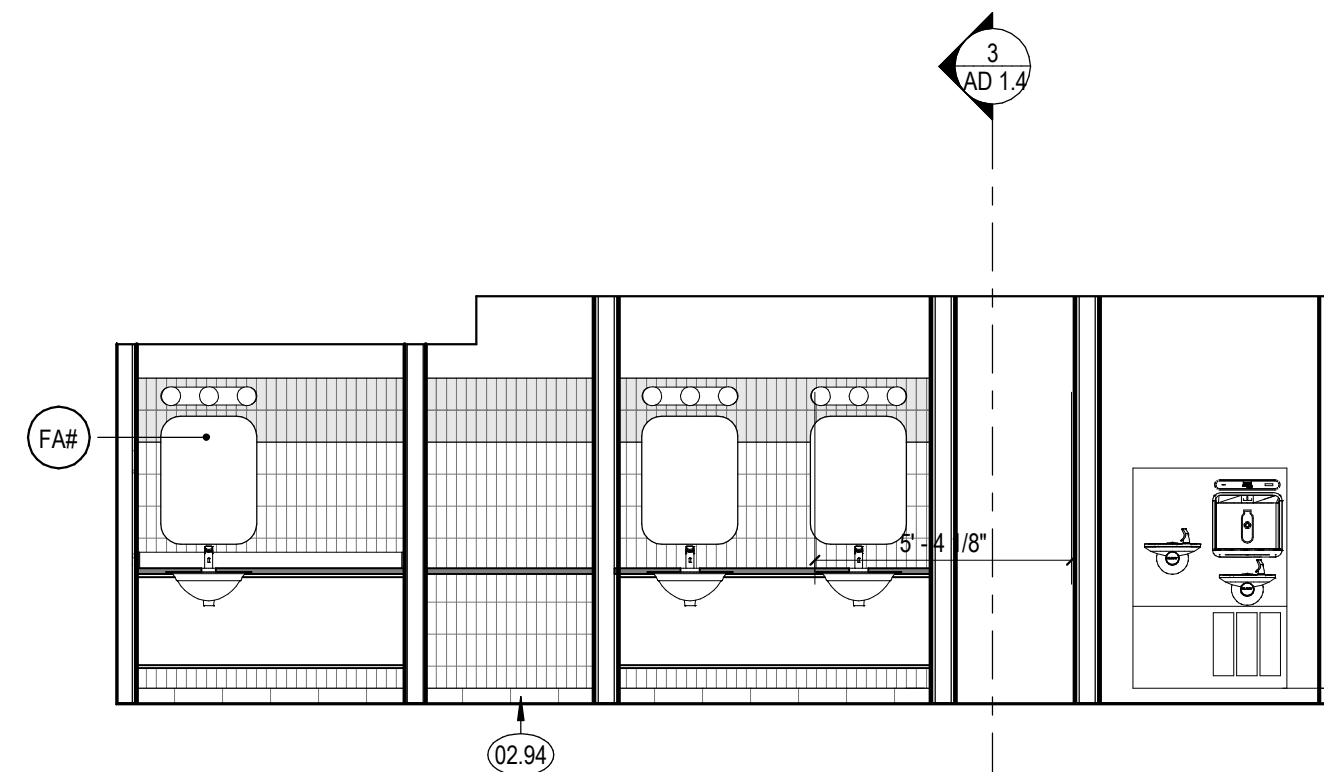
12 LOWER LEVEL - MEETING ROOM 103 - N  
1/4" = 1'-0"



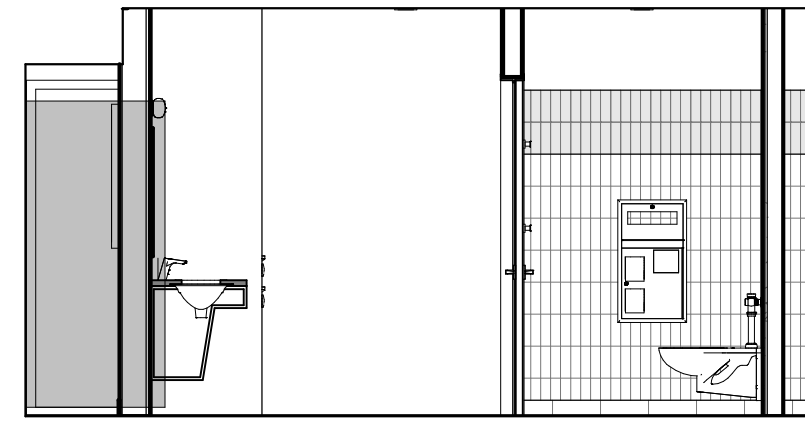
13 LOWER LEVEL - MEETING ROOM 113 - N  
1/4" = 1'-0"



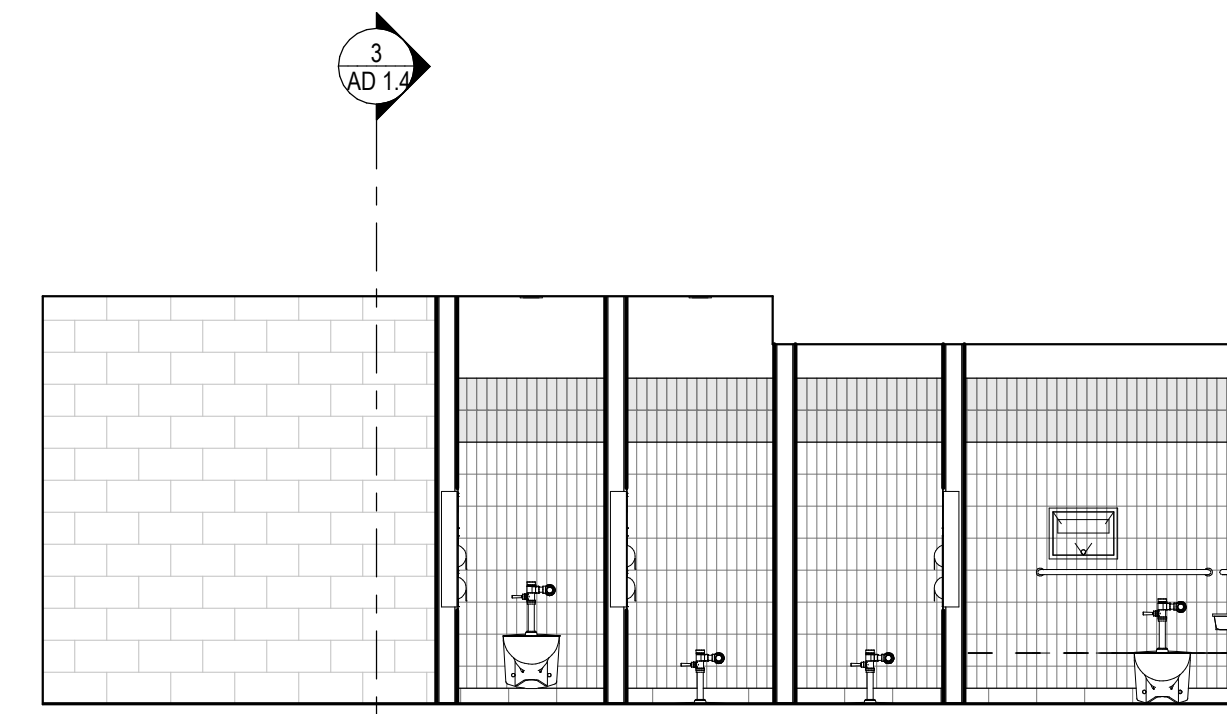
14 LOWER LEVEL - MEETING ROOM 113 - E  
1/4" = 1'-0"



15 LOWER LEVEL - MEETING ROOM 113 - S  
1/4" = 1'-0"



16 LOWER LEVEL - MEETING ROOM 113 - W  
1/4" = 1'-0"





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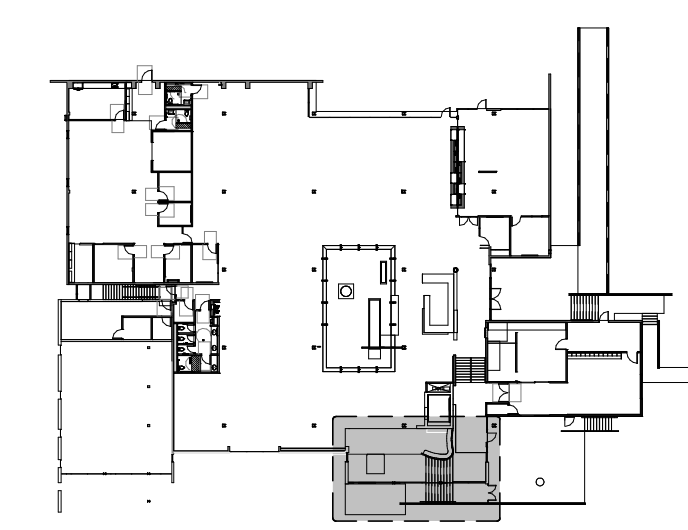
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ENLARGED PLAN SHEET NOTES

ENLARGED PLAN ELEVATION KEYNOTES

06.28 CURVED BENCH

KEY PLAN



MAIN LEVEL - ADD ALT 2

ENLARGED PLAN LEGEND

CONSULTANTS LOGO

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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

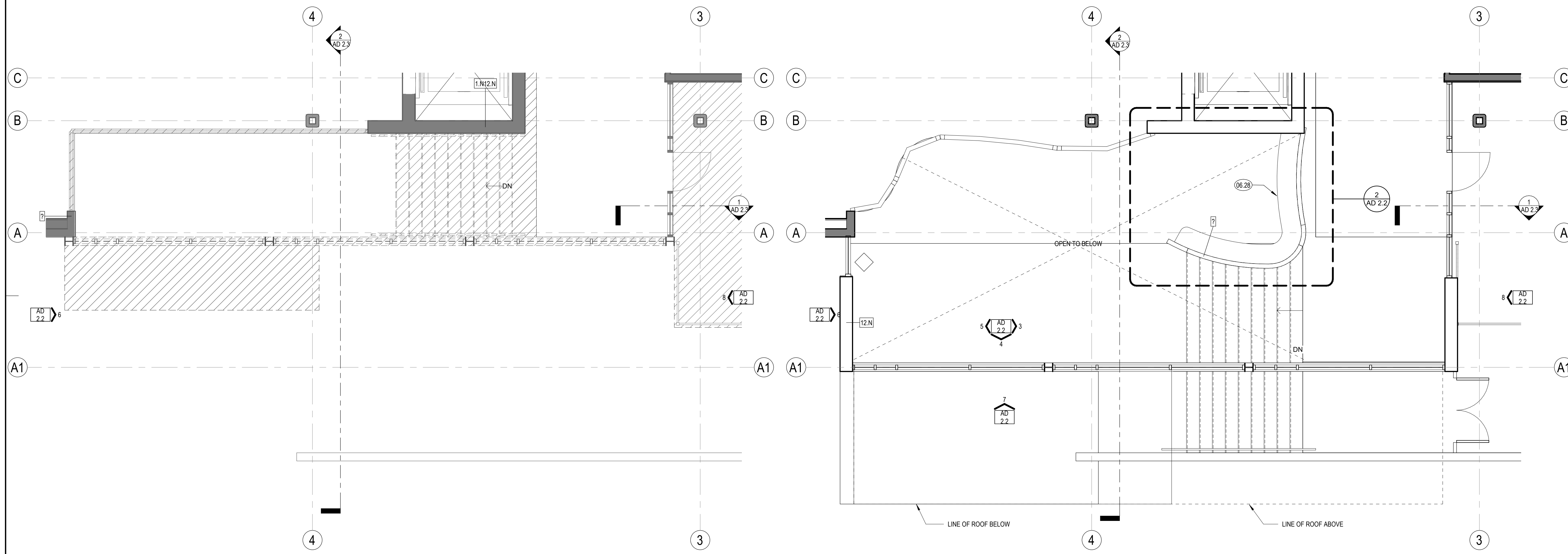
SHEET TITLE:

**NOT IN USE - ENLARGED ENTRY - DEMO PLAN, FLOOR PLAN, ROOF PLAN + RCP**

SCALE: As indicated

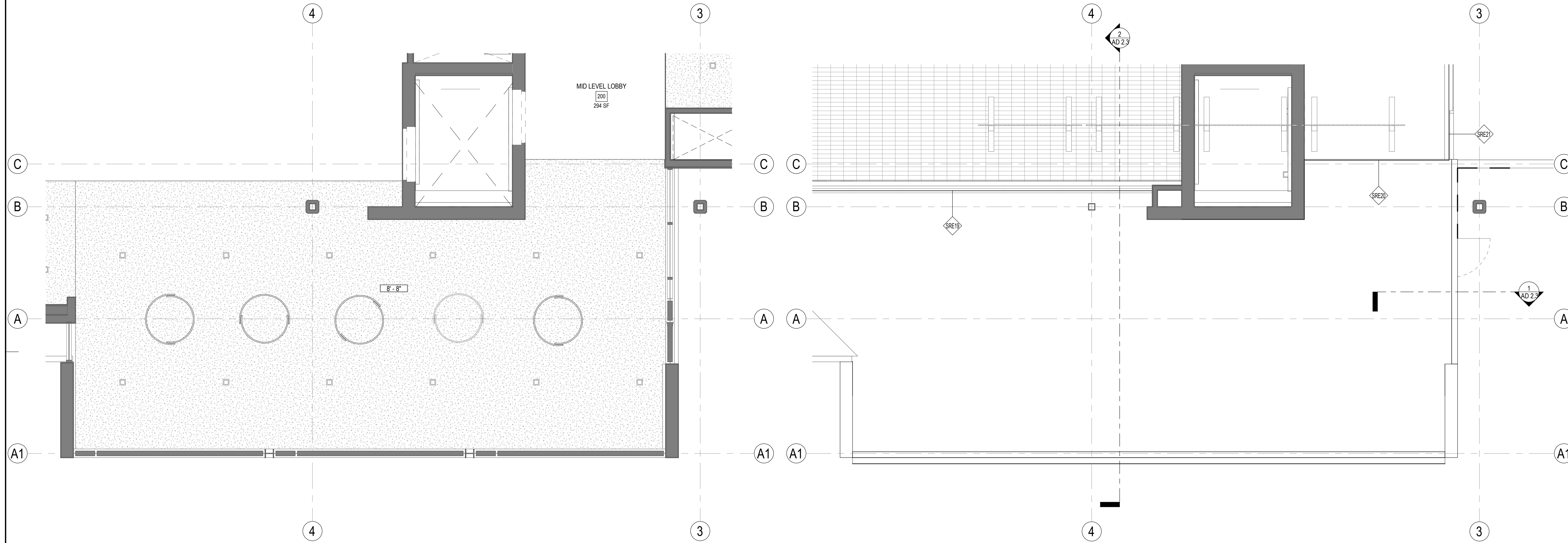
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AD 2.1



18 ENLARGED ENTRY - DEMO PLAN - LOWER LEVEL  
1/4" = 1'-0"

10 ENLARGED ENTRY - FLOOR PLAN - LOWER LEVEL  
1/4" = 1'-0"



20 ENLARGED ENTRY - REFLECTED CEILING PLAN  
1/4" = 1'-0"

12 ENLARGED ENTRY - ROOF PLAN - LOW ROOF  
1/4" = 1'-0"

18/2024 5:55:32 PM

ENLARGED PLAN SHEET NOTES

ENLARGED PLAN ELEVATION KEYNOTES

KEY PLAN

ENLARGED PLAN LEGEND



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CONSTRUCTION**

NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN  
LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

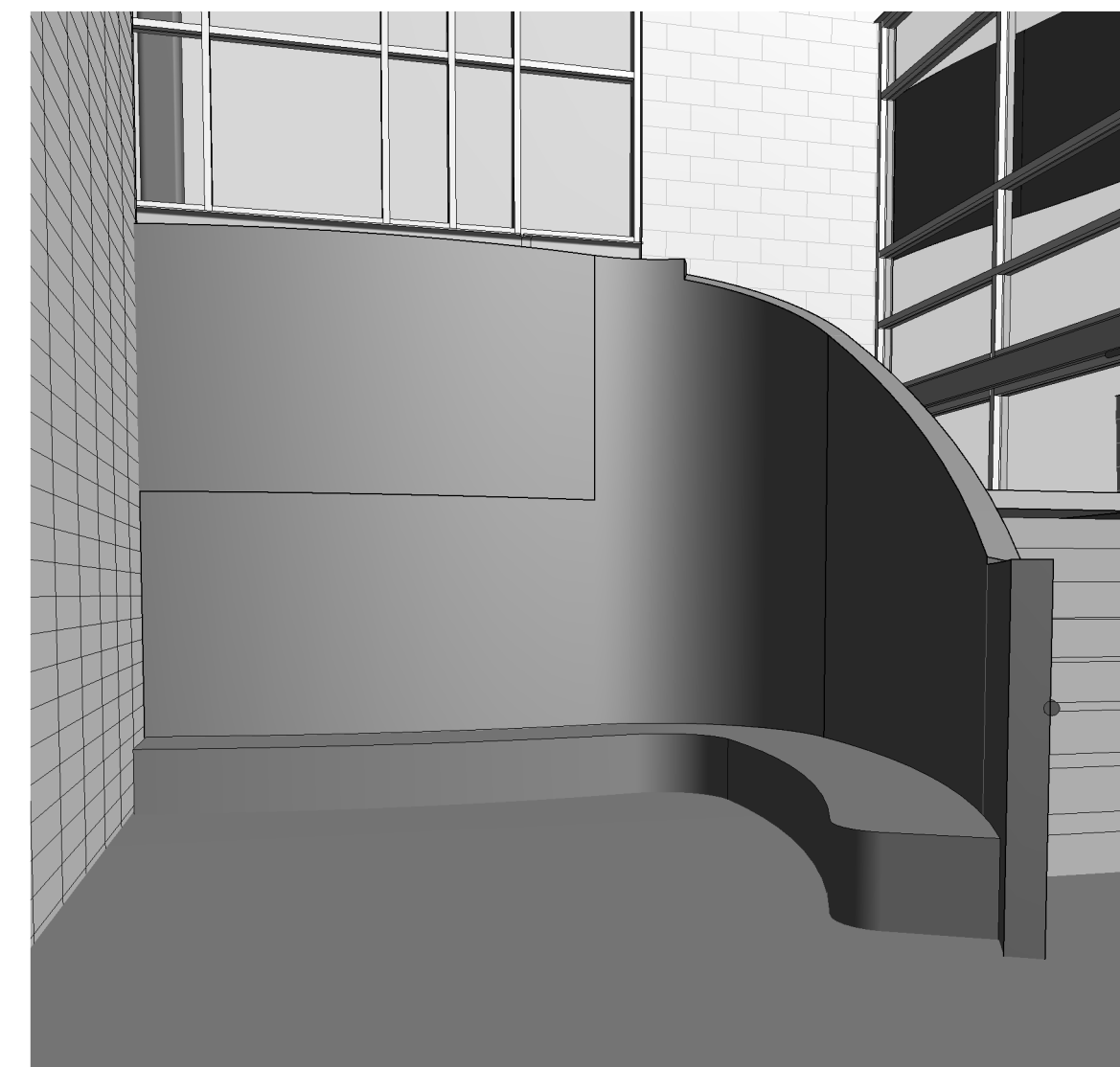
SHEET TITLE:

**NOT IN USE -  
ENLARGED ENTRY -  
PLANS & INTERIOR  
ELEVATIONS**

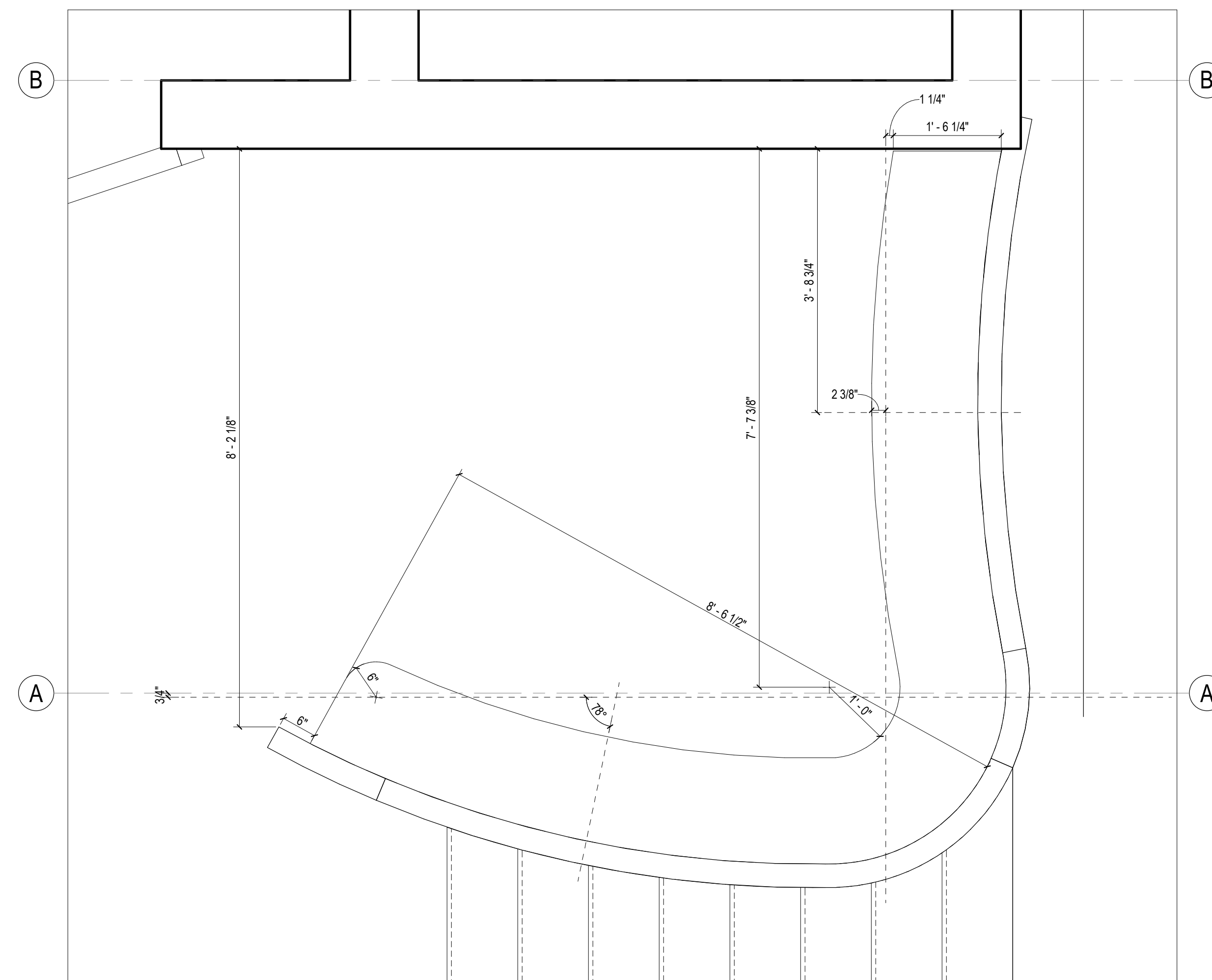
SCALE: As indicated

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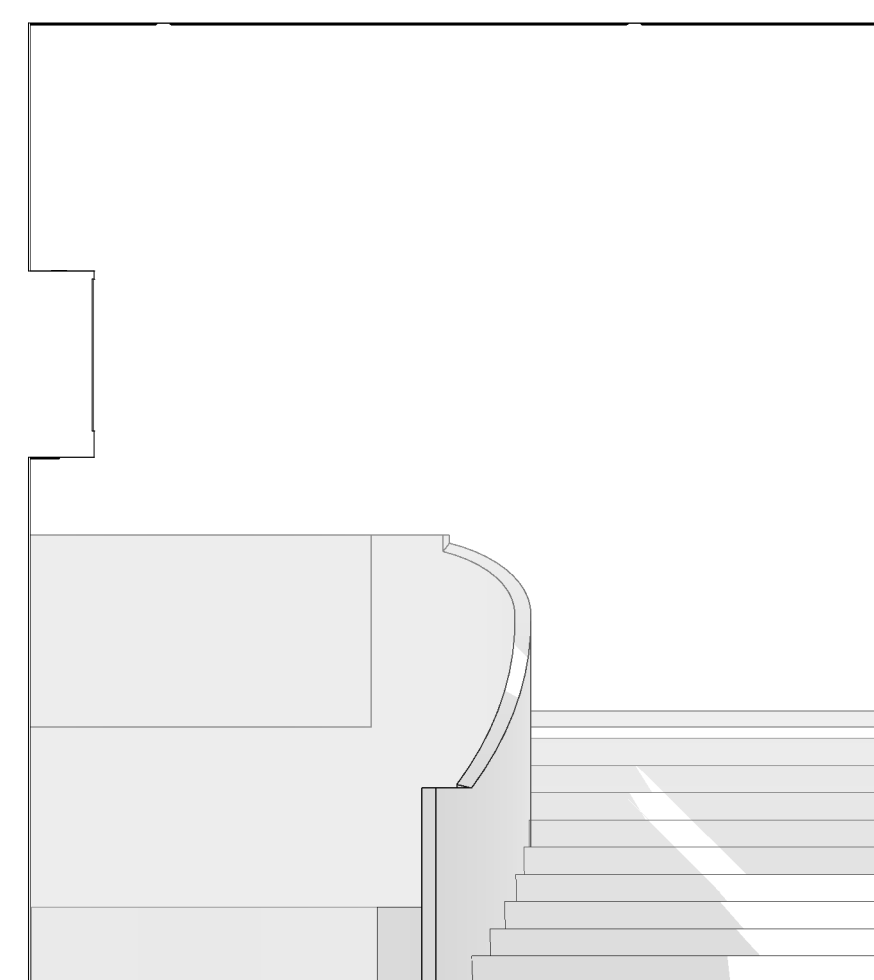
AD 2.2



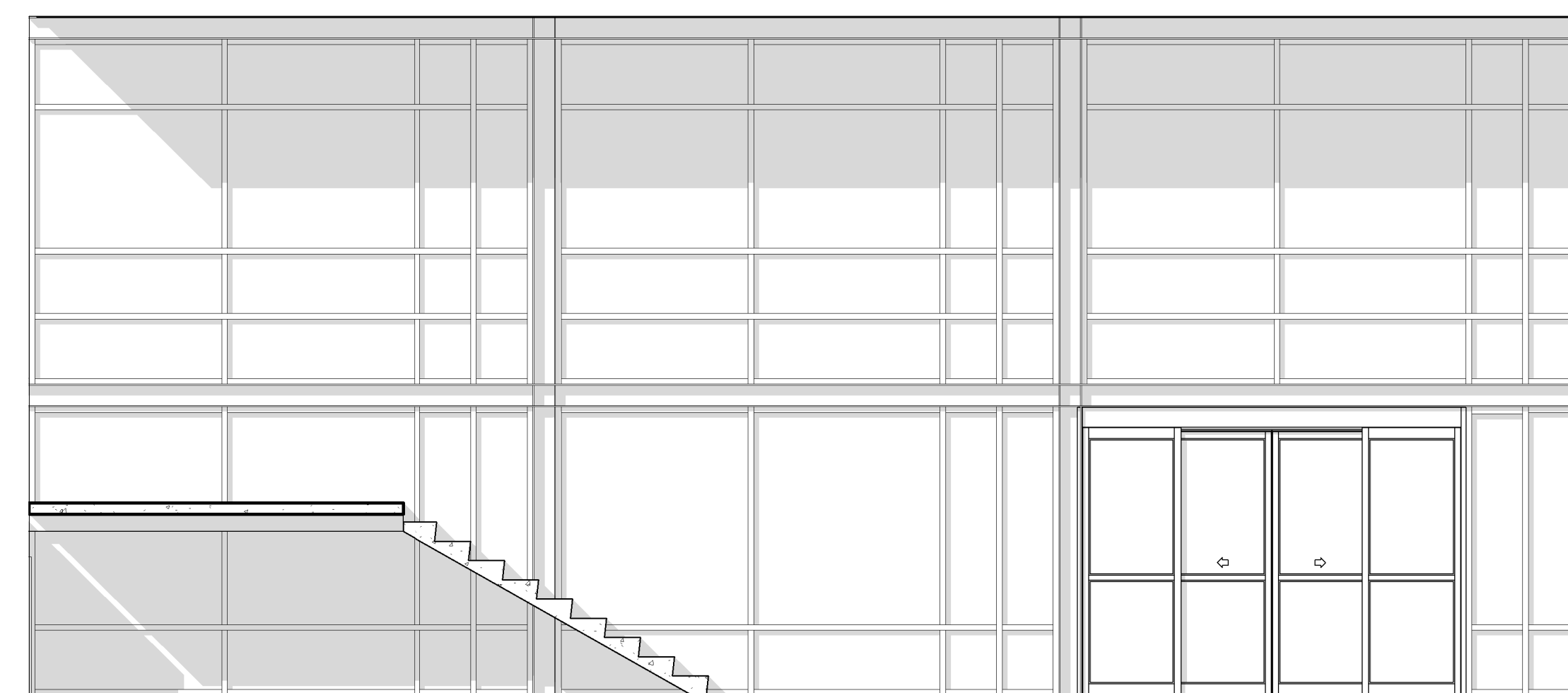
1 ENLARGED ENTRY - BENCH - 3D VIEW FOR REFERENCE ONLY



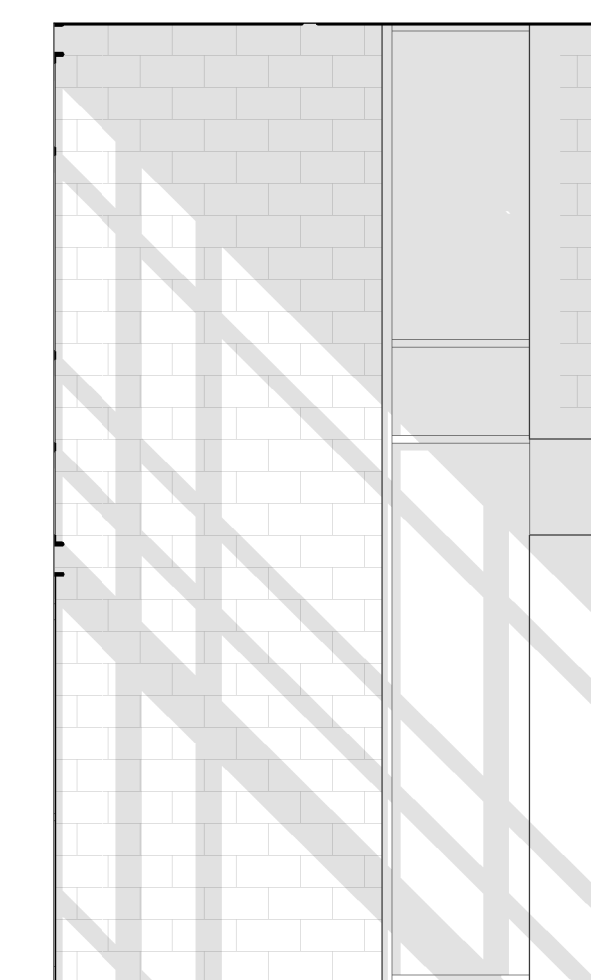
2 ENLARGED ENTRY - BENCH - DIMENSIONED PLAN  
3/4" = 1'-0"



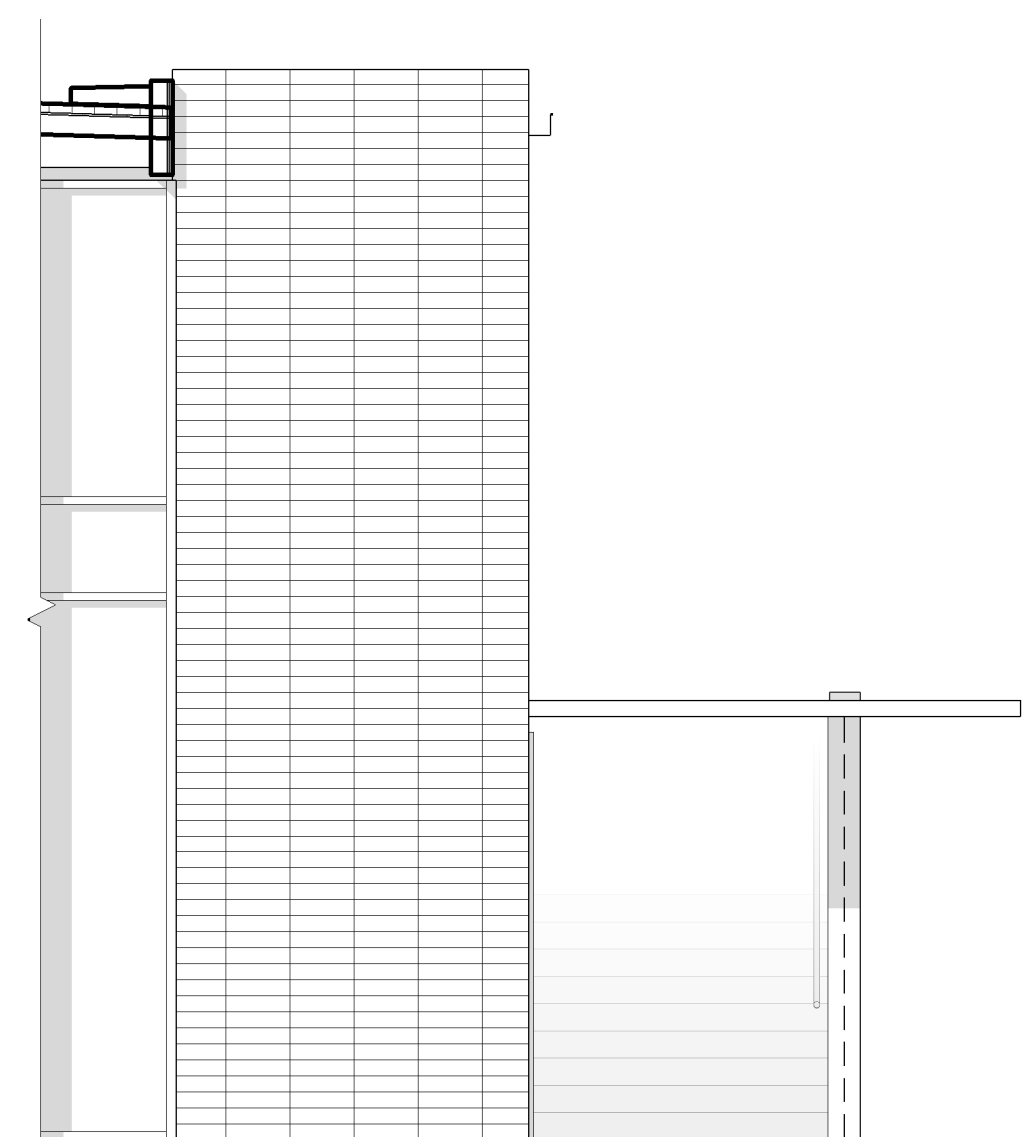
3 LOWER LEVEL - ENTRY LOBBY 100 ADDITION - E  
1/4" = 1'-0"



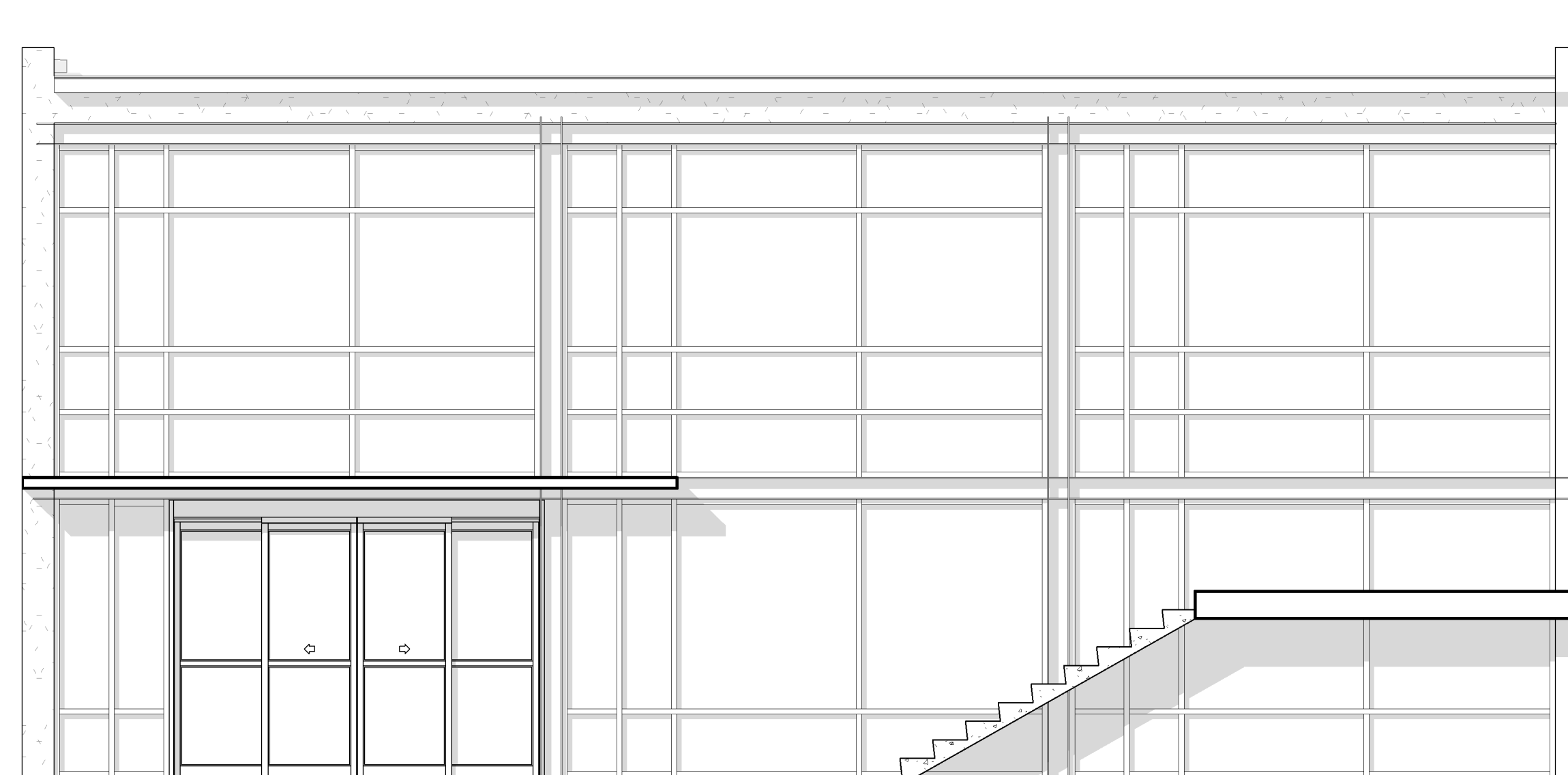
4 LOWER LEVEL - ENTRY LOBBY 100 ADDITION - S  
1/4" = 1'-0"



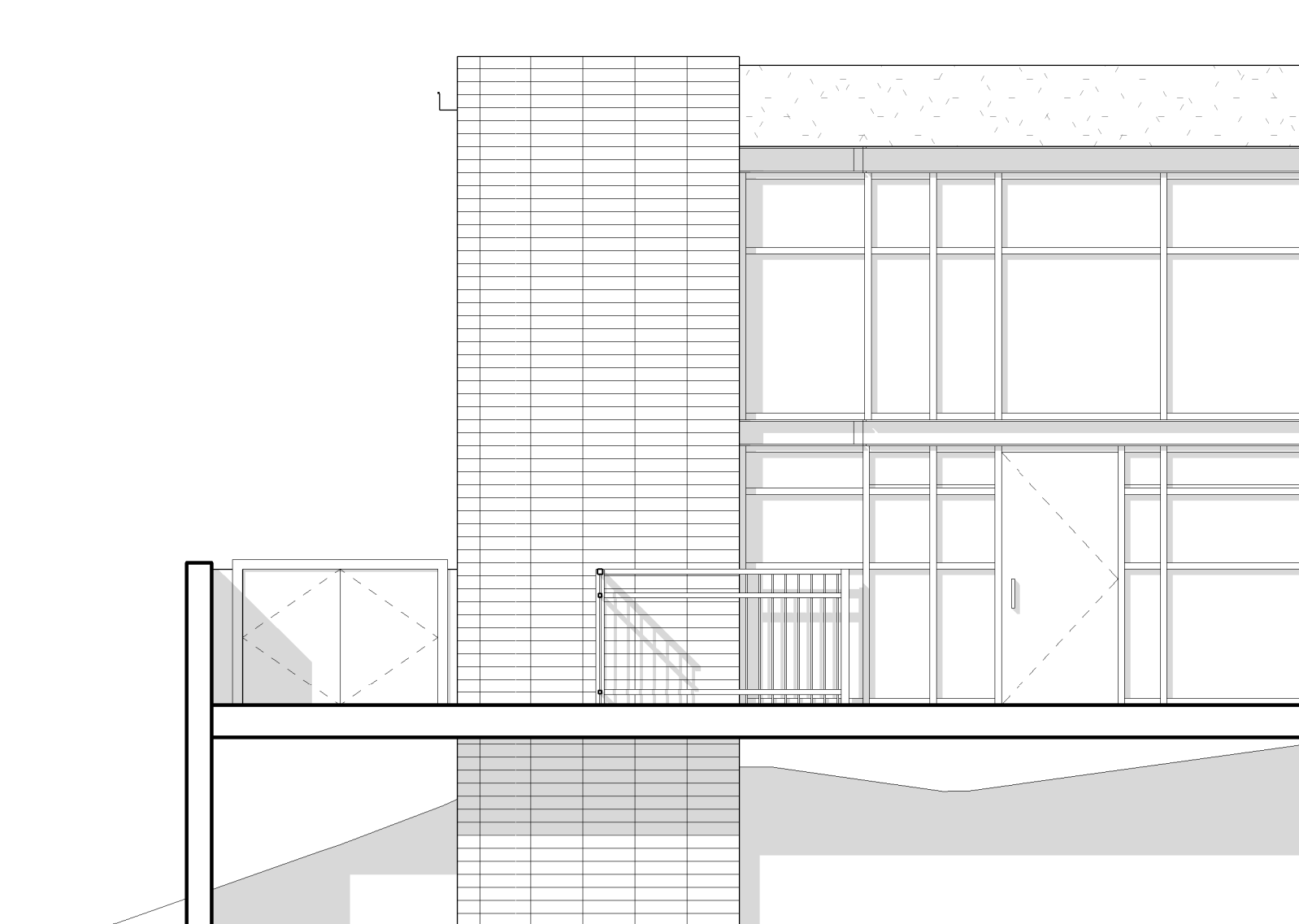
5 LOWER LEVEL - ENTRY LOBBY 100 ADDITION - W  
1/4" = 1'-0"



6 EXTERIOR - ENTRY LOBBY 100 ADDITION - E  
1/4" = 1'-0"



7 EXTERIOR - ENTRY LOBBY 100 ADDITION - N  
1/4" = 1'-0"

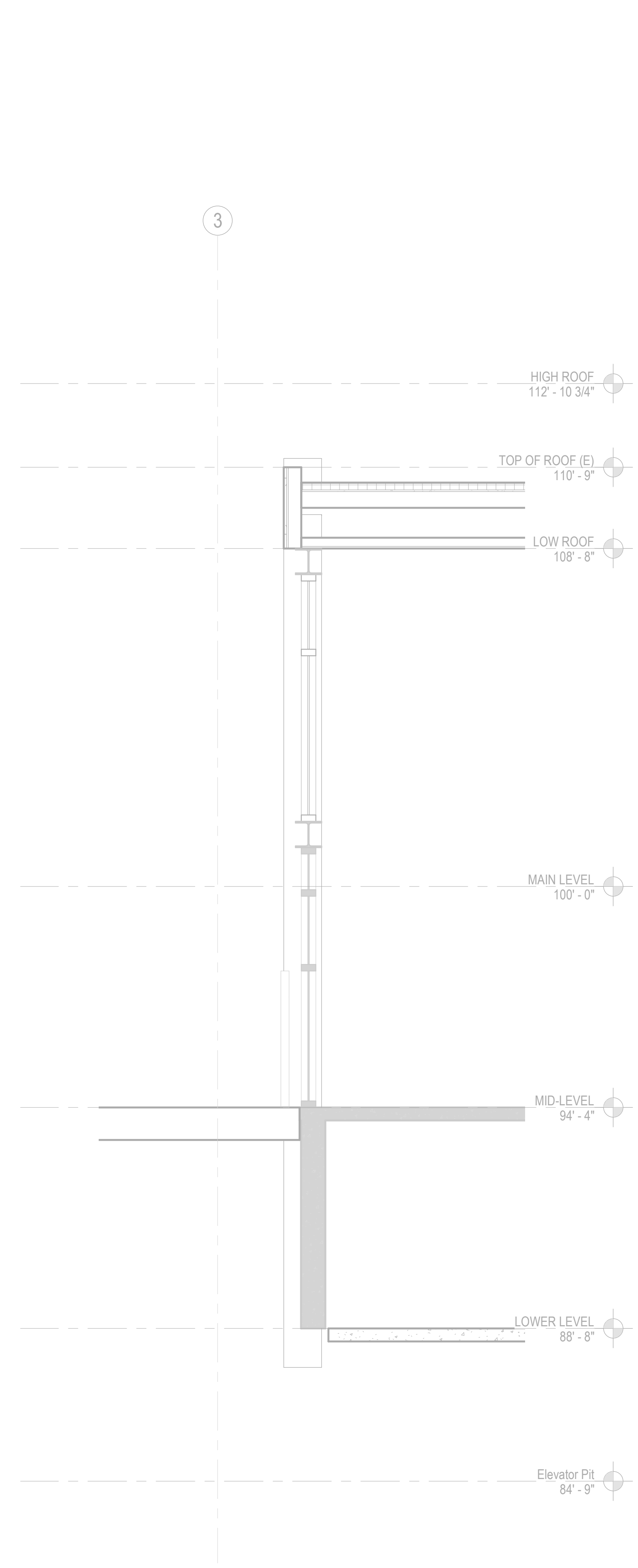


8 EXTERIOR - ENTRY LOBBY 100 ADDITION - W  
1/4" = 1'-0"

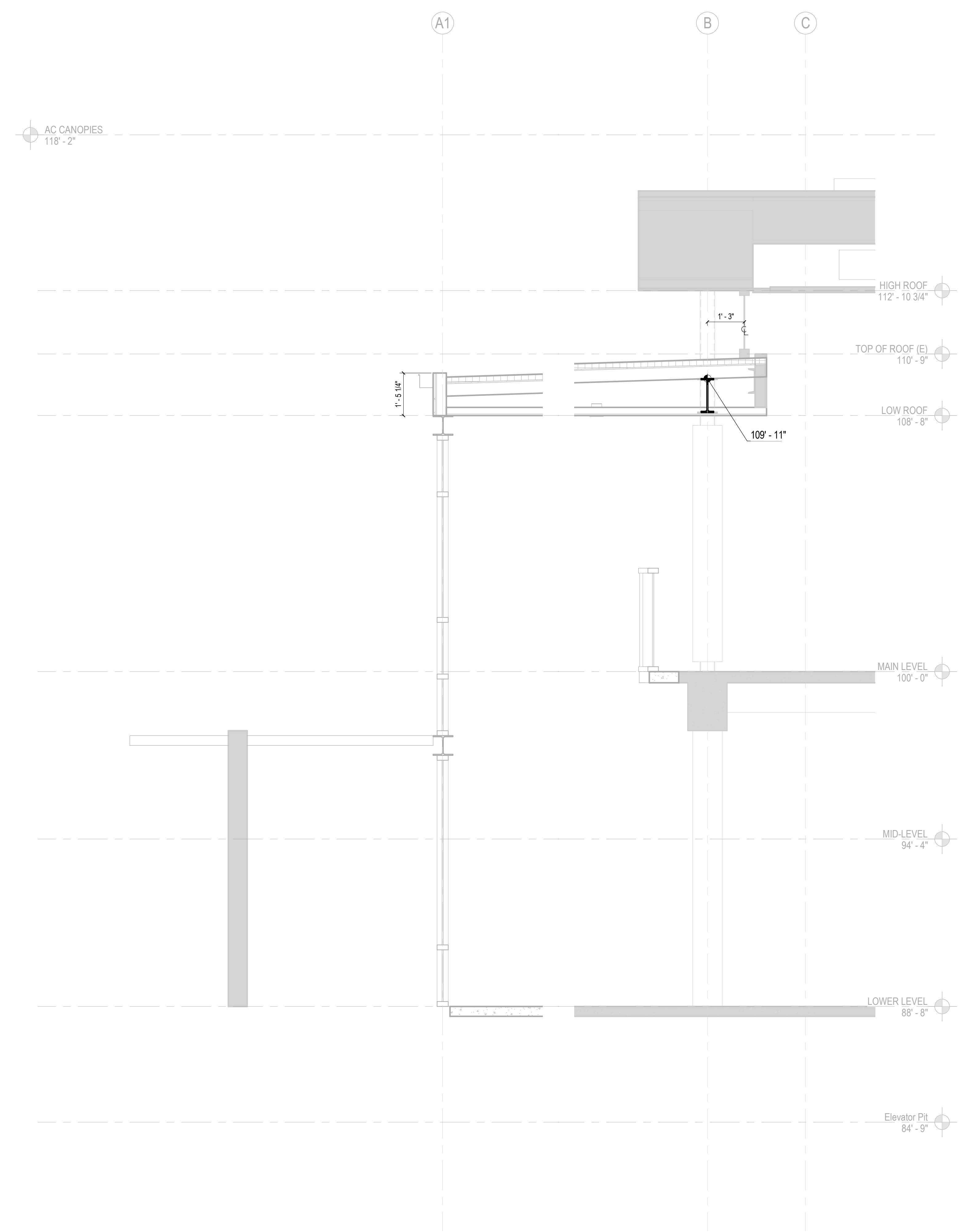


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1 ENLARGED ENTRY - WALL SECTION -  
1/2" = 1'-0"



2 ENLARGED ENTRY - SECTION N-S  
1/2" = 1'-0"

CONSULTANTS LOGO

STAMP

**NOT FOR  
CONSTRUCTION**

NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN  
LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**NOT IN USE -  
ENLARGED ENTRY -  
WALL SECTIONS**

SCALE: 1/2" = 1'-0"

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AD 2.3





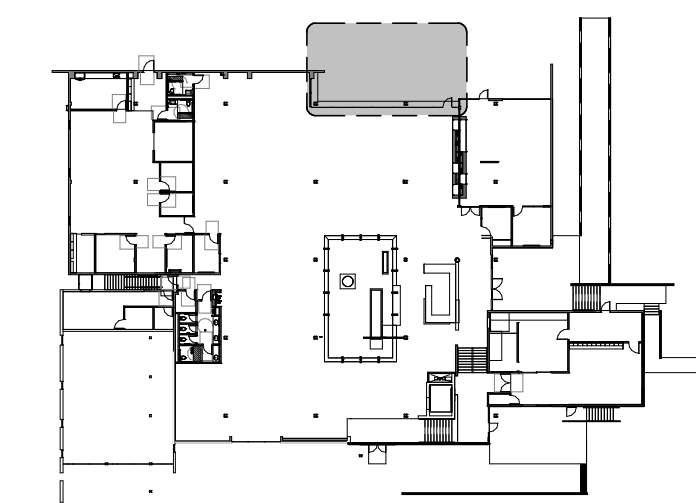
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ENLARGED PLAN SHEET NOTES

ENLARGED PLAN ELEVATION KEYNOTES

KEY PLAN



MAIN LEVEL - ADD ALT 4

ENLARGED PLAN LEGEND

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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

ALTADENA MAIN LIBRARY

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ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

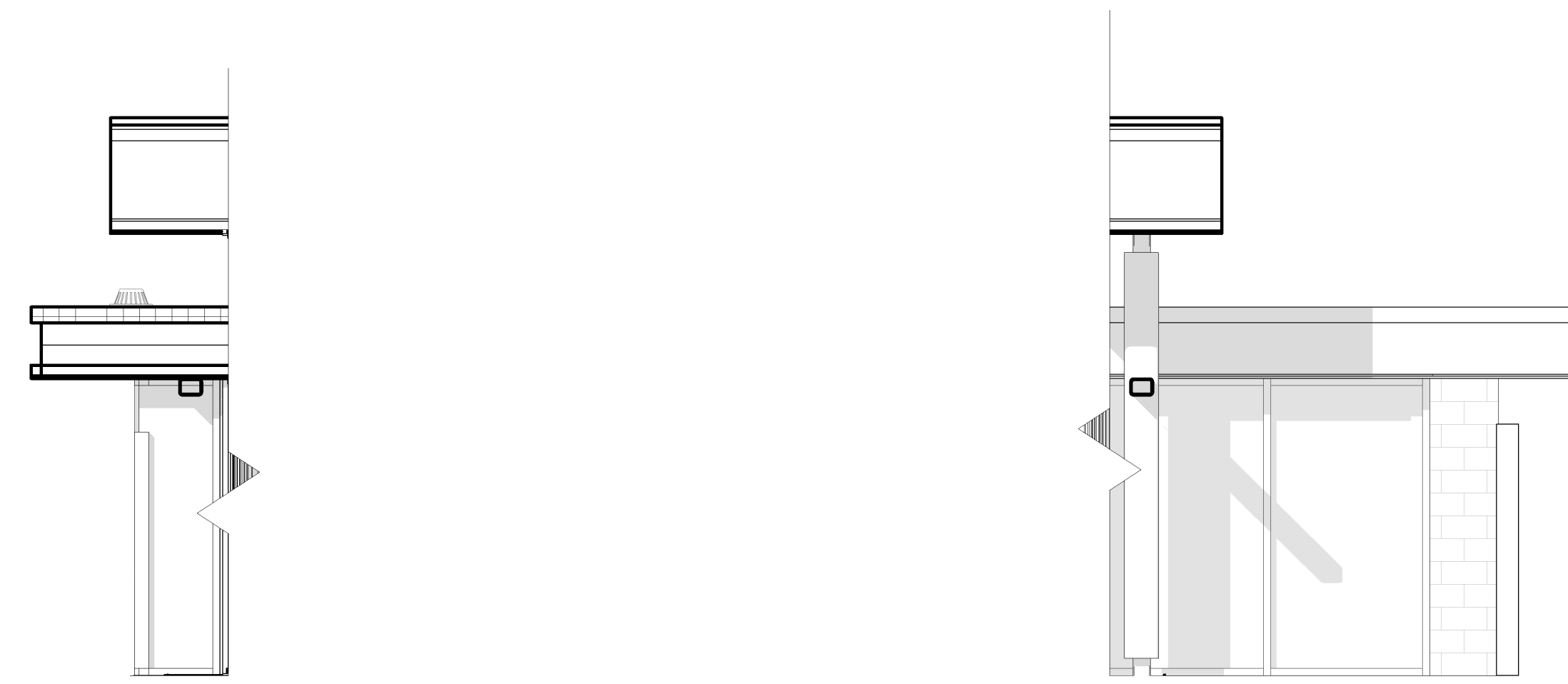
SHEET TITLE:

NORTH PATIO +  
SLIDING DOORS -  
FLOOR PLAN +  
ELEVATIONS

SCALE: As indicated

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AD 4

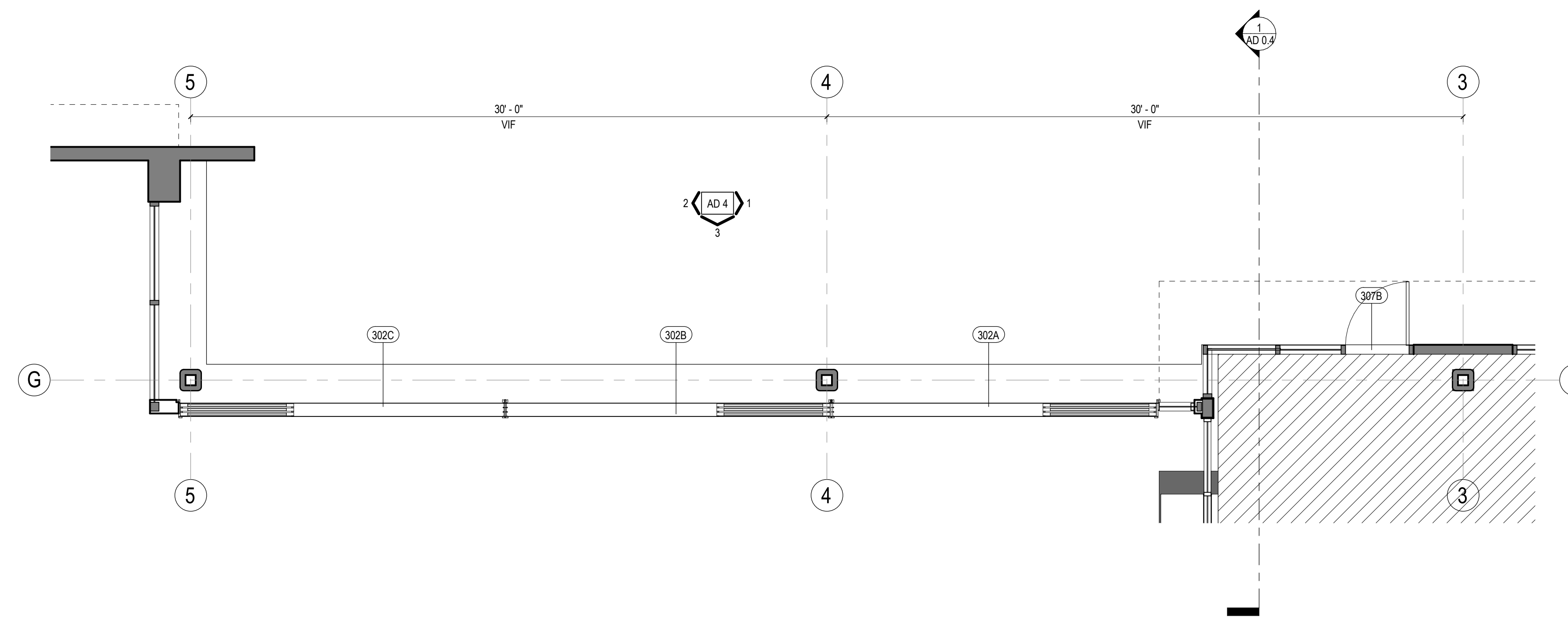


1 EXTERIOR - NORTH PATIO SLIDING DOORS - E  
1/4" = 1'-0"

2 EXTERIOR - NORTH PATIO SLIDING DOORS - W  
1/4" = 1'-0"



3 EXTERIOR - NORTH PATIO SLIDING DOORS - S  
1/4" = 1'-0"



4 NORTH PATIO + SLIDING DOORS - FLOOR PLAN - MAIN LEVEL  
1/4" = 1'-0"



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ENLARGED PLAN SHEET NOTES

ENLARGED PLAN ELEVATION KEYNOTES

ENLARGED PLAN LEGEND

CONSULTANTS LOGO

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**NOT FOR CONSTRUCTION**

NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

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ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

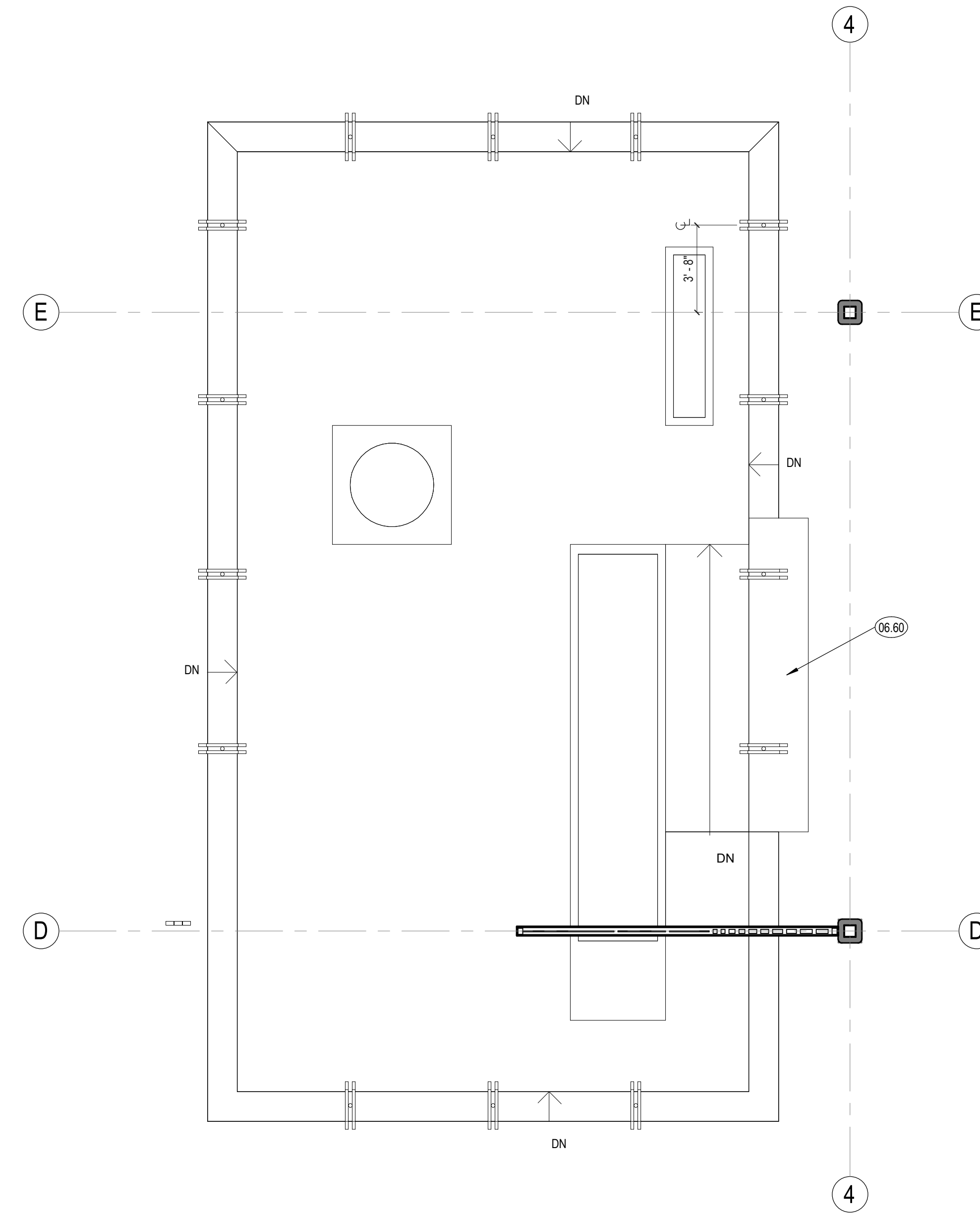
SHEET TITLE:

**NOT IN USE -  
TERRAZO IN LIEU  
OF POLISHED  
CONCRETE**

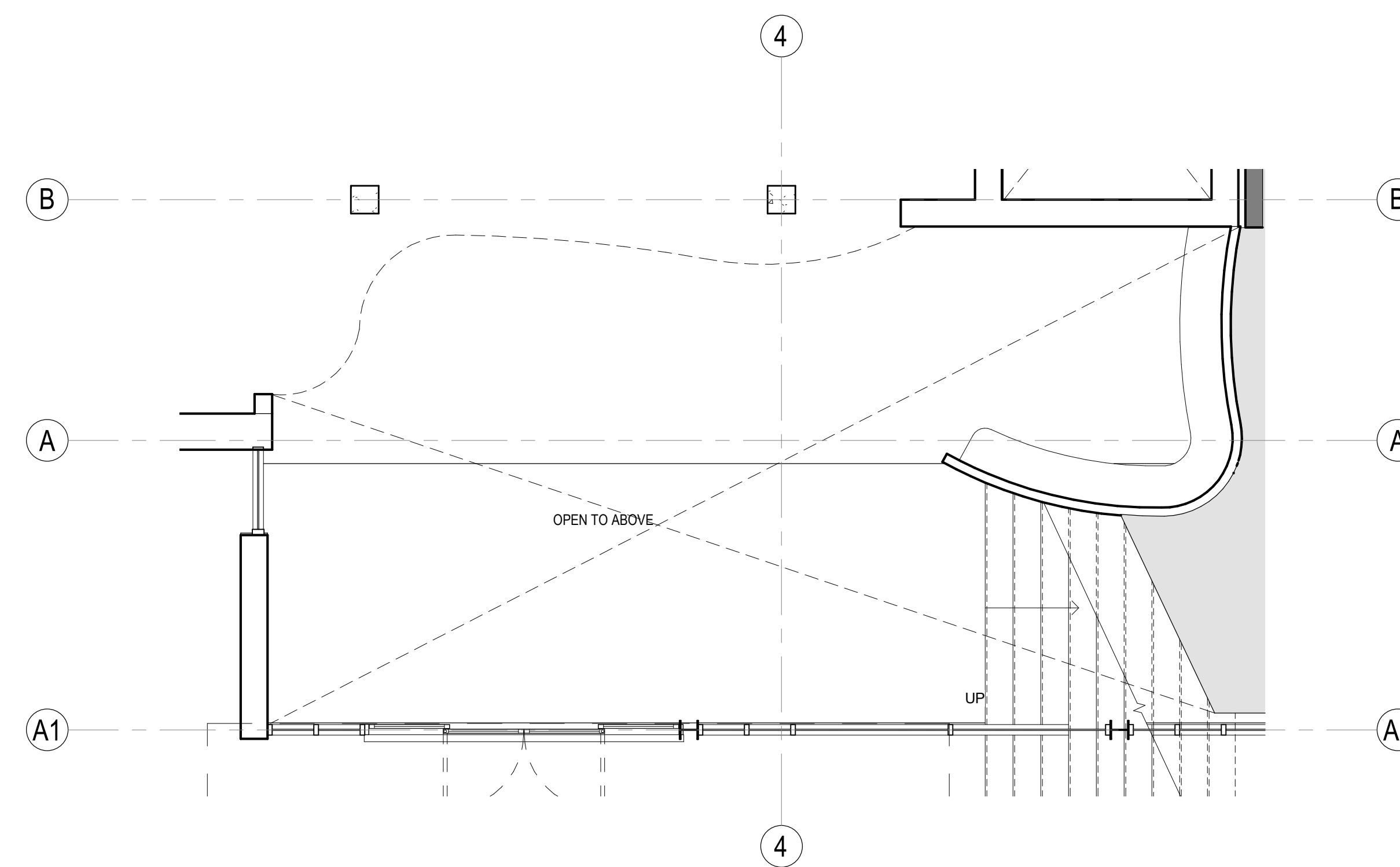
SCALE: 1/4" = 1'-0"

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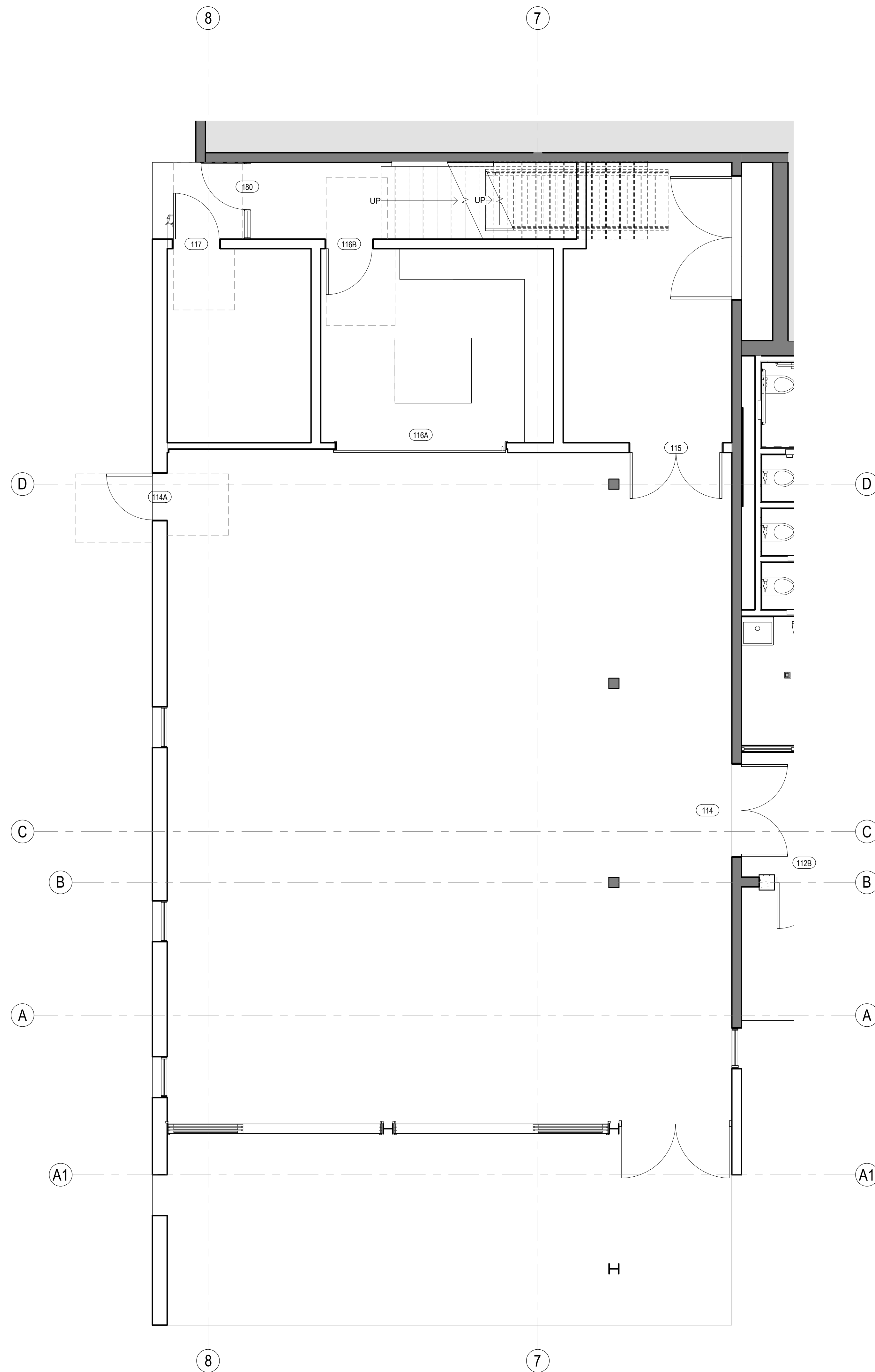
AD 5



**10** TERRAZO IN LIEU OF POLISHED CONCRETE AT ENTRY LOBBY - FLOOR PLAN - LOWER LEVEL  
1/4" = 1'-0"



**12** TERRAZO IN LIEU OF POLISHED CONCRETE AT COMMUNITY ROOM ADDITION - FLOOR PLAN - LOWER LEVEL  
1/4" = 1'-0"



**20** TERRAZO IN LIEU OF POLISHED CONCRETE AT LIVING ROOM - FLOOR PLAN - LOWER LEVEL  
1/4" = 1'-0"



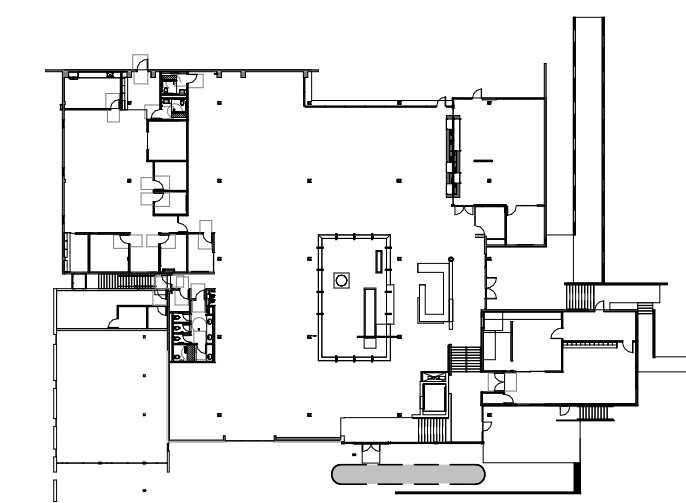
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ENLARGED PLAN SHEET NOTES

ENLARGED PLAN ELEVATION KEYNOTES

KEY PLAN



KEY PLAN - MAIN LEVEL - ADD ALT 6

ENLARGED PLAN LEGEND

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NO.	DATE	REVISIONS

PROJECT TITLE:

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PROJECT NO. 2111010

DATE: 01-08-2024

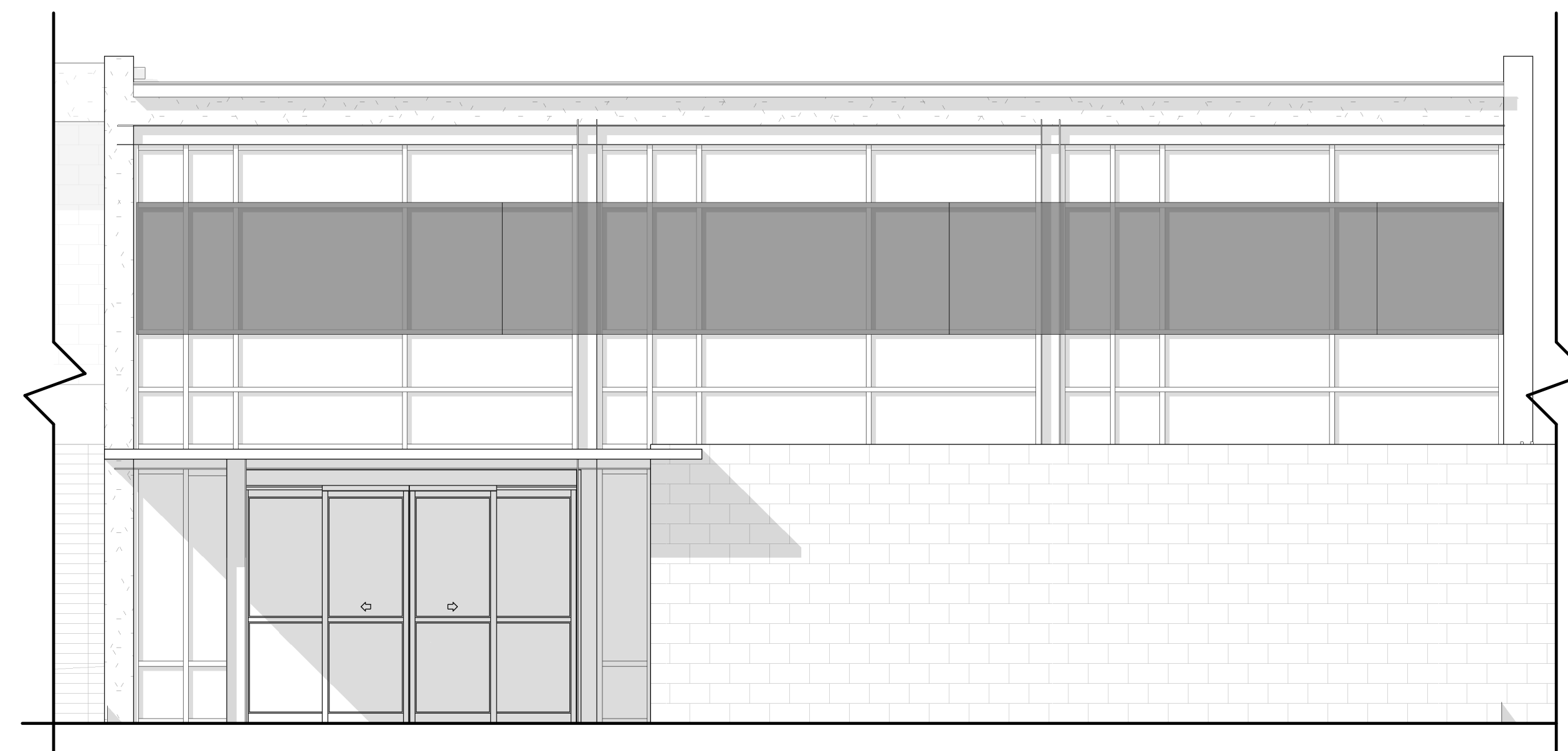
SHEET TITLE:

**NOT IN USE - BRISE  
SOLEIL - FLOOR  
PLAN + ELEVATION**

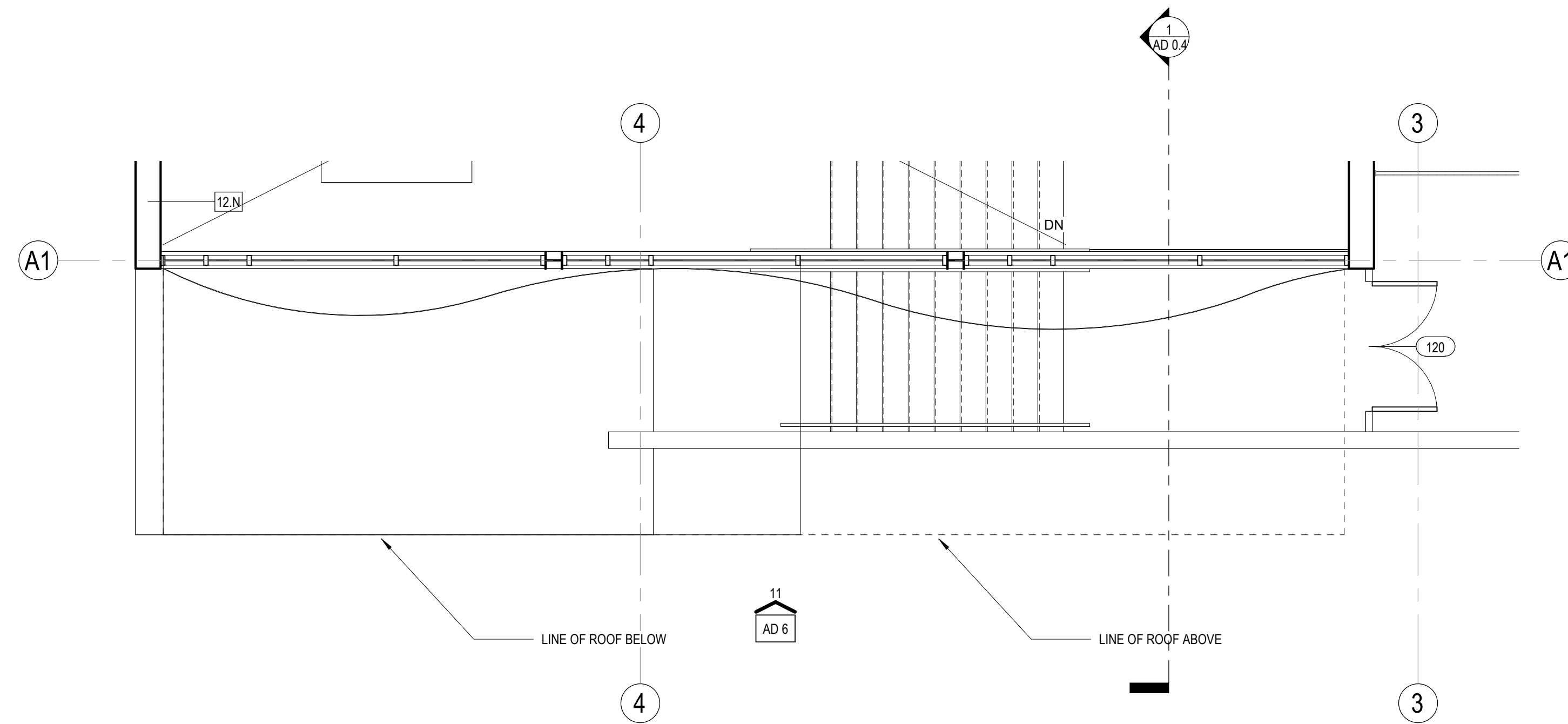
SCALE: As indicated

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AD 6



11 EXTERIOR - BRISE SOLEIL AT ENTRY - N  
1/4" = 1'-0"



12 BRISE SOLIEL AT ENTRY - FLOOR PLAN  
1/4" = 1'-0"



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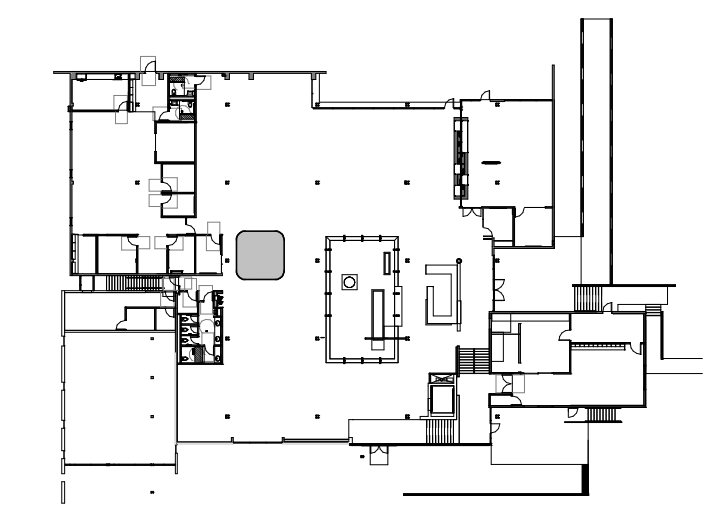
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ENLARGED PLAN SHEET NOTES

ENLARGED PLAN ELEVATION KEYNOTES

09.63  
10.43 WALL MOUNTED TV

KEY PLAN

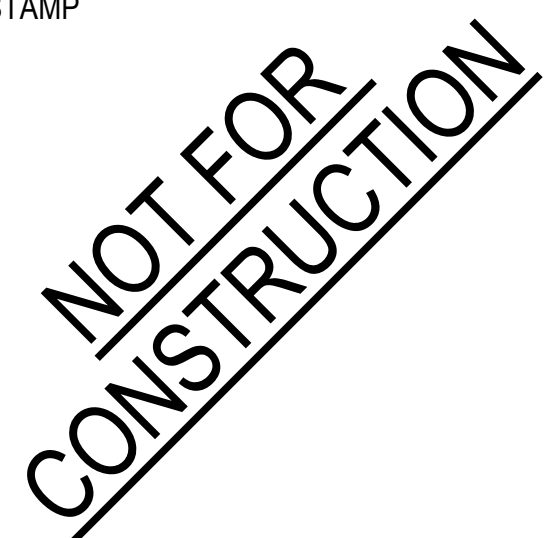


KEY PLAN - MAIN LEVEL - ADD ALT 7

ENLARGED PLAN LEGEND

CONSULTANTS LOGO

STAMP



NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

ALTADENA MAIN LIBRARY

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PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

MEETING ROOM  
ADDITION - FLOOR  
PLAN, RCP, +  
ELEVATIONS

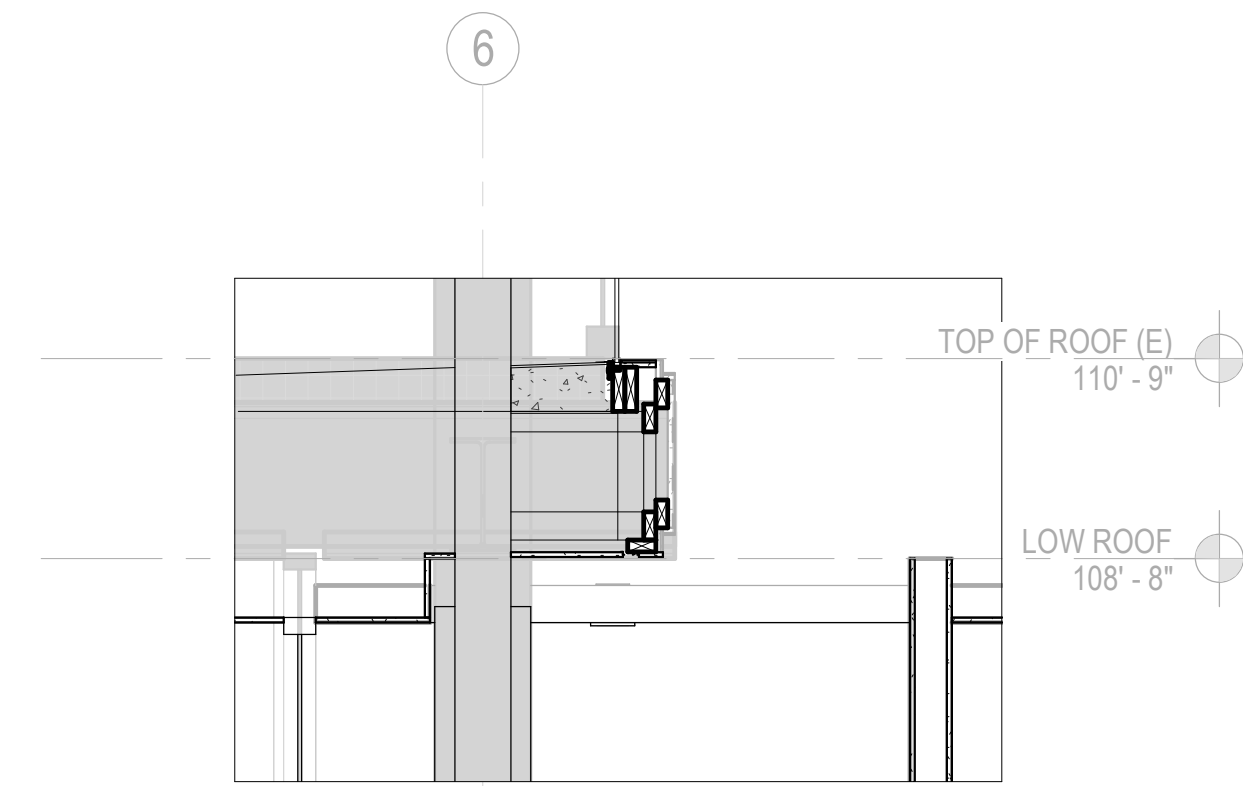
SCALE: As indicated

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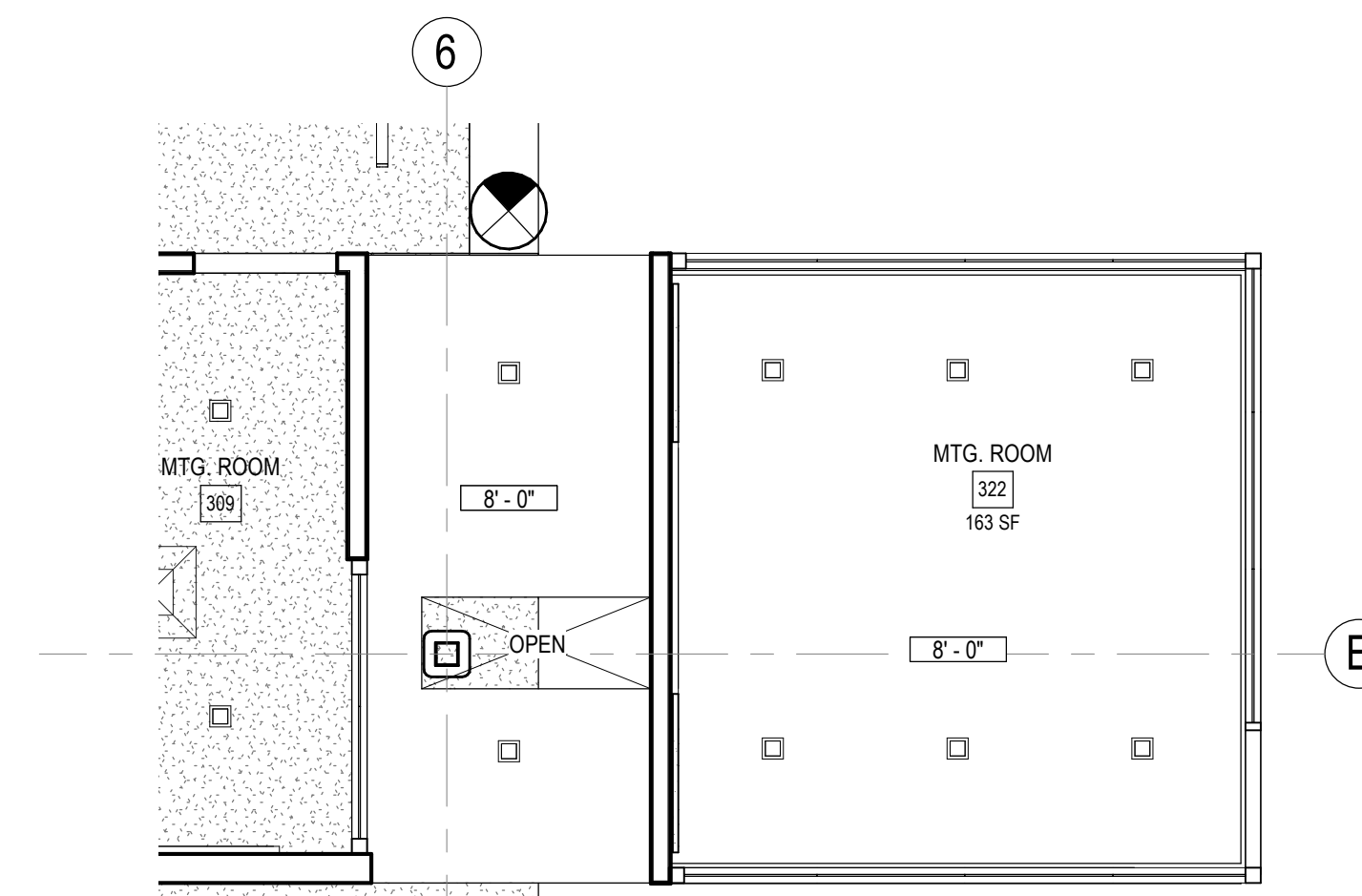
AD 7



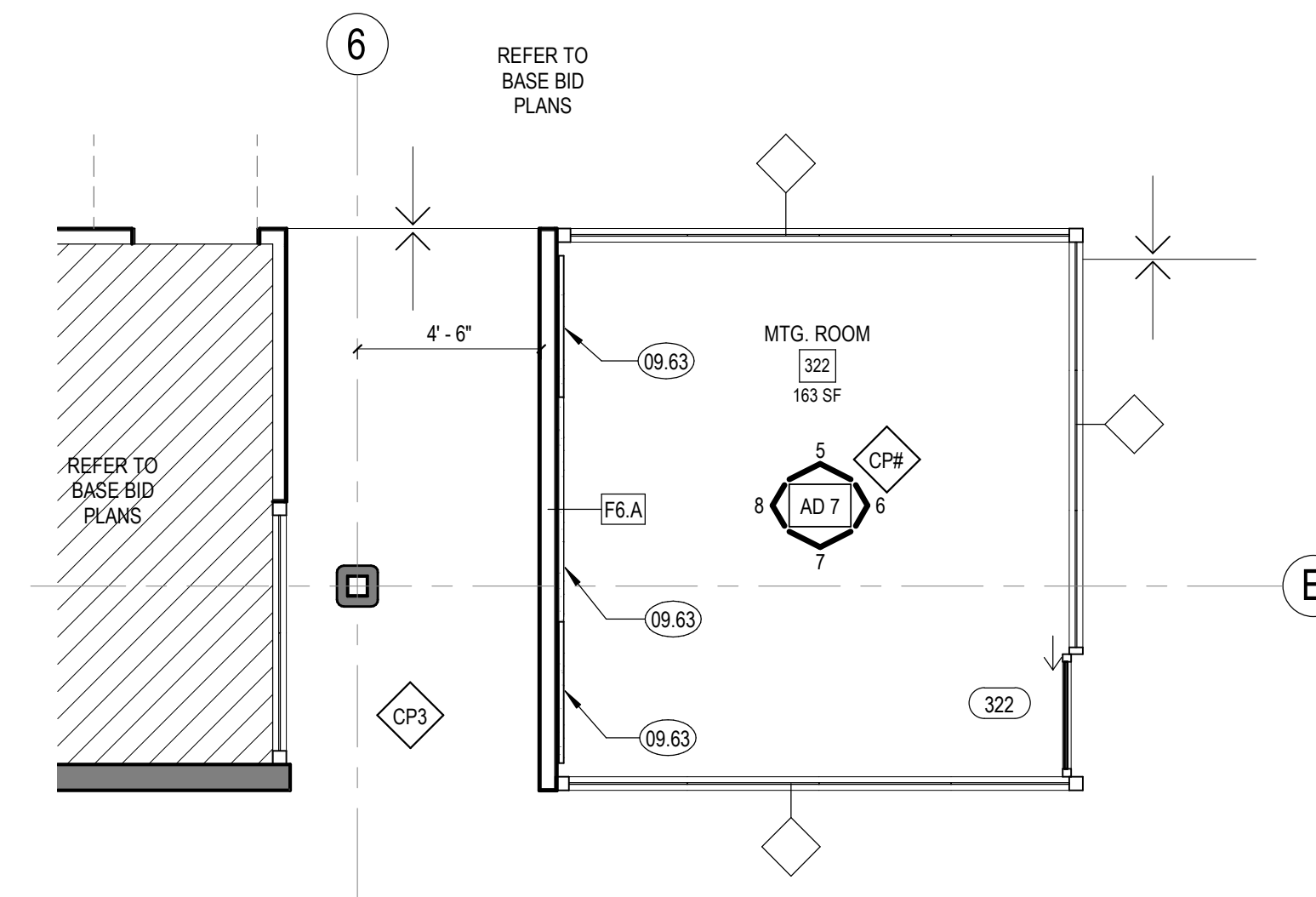
1 MEETING ROOM ADDITION - MAIN LEVEL - 3D VIEW FOR REFERENCE ONLY



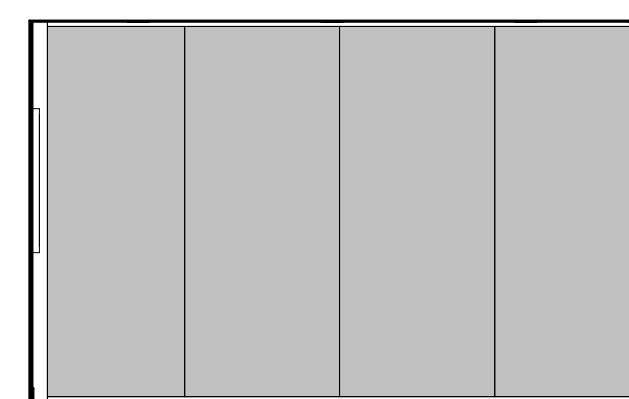
2 CEILING GAP BETWEEN MEETING ROOMS  
1/2" = 1'-0"



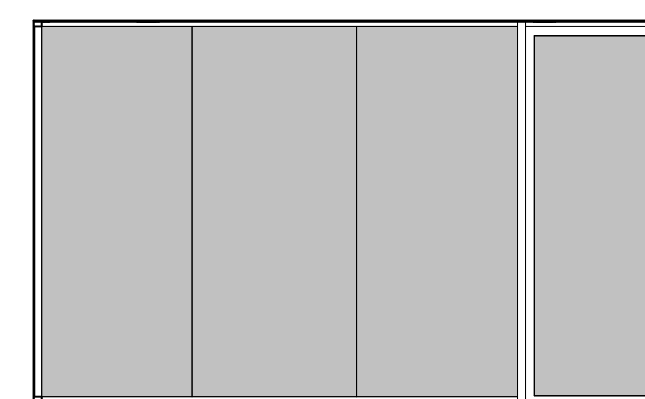
3 MEETING ROOM ADDITION - REFLECTED CEILING PLAN - MAIN LEVEL  
1/4" = 1'-0"



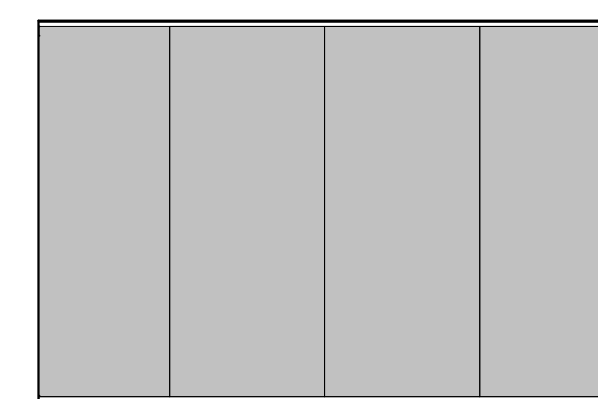
4 MEETING ROOM ADDITION - FLOOR PLAN - MAIN LEVEL  
1/4" = 1'-0"



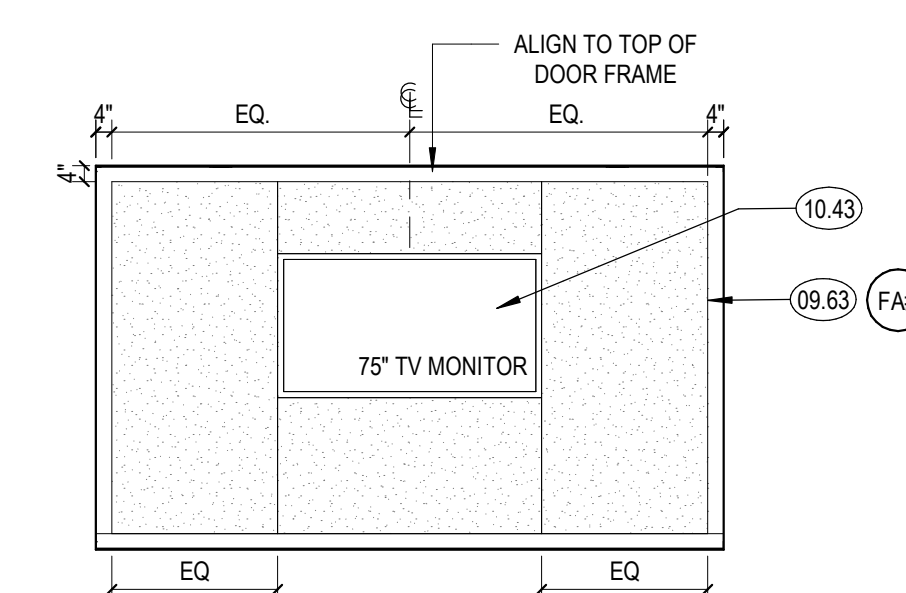
5 MAIN LEVEL - MTG. ROOM 322 - N  
1/4" = 1'-0"



6 MAIN LEVEL - MTG. ROOM 322 - E  
1/4" = 1'-0"



7 MAIN LEVEL - MTG. ROOM 322 - S  
1/4" = 1'-0"



8 MAIN LEVEL - MTG. ROOM 322 - W  
1/4" = 1'-0"



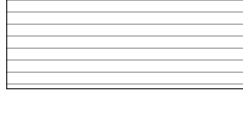
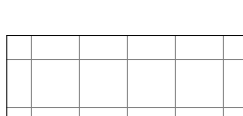
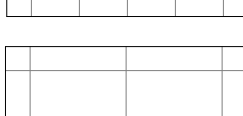
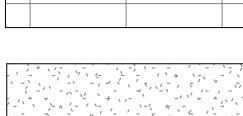
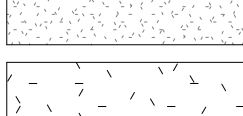
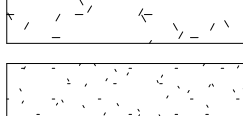
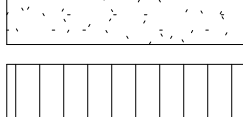
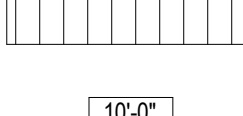
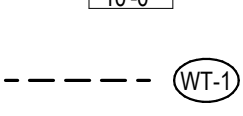
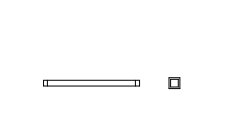


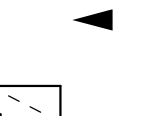
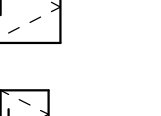
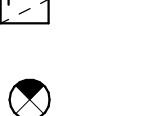
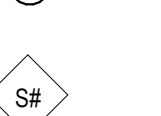






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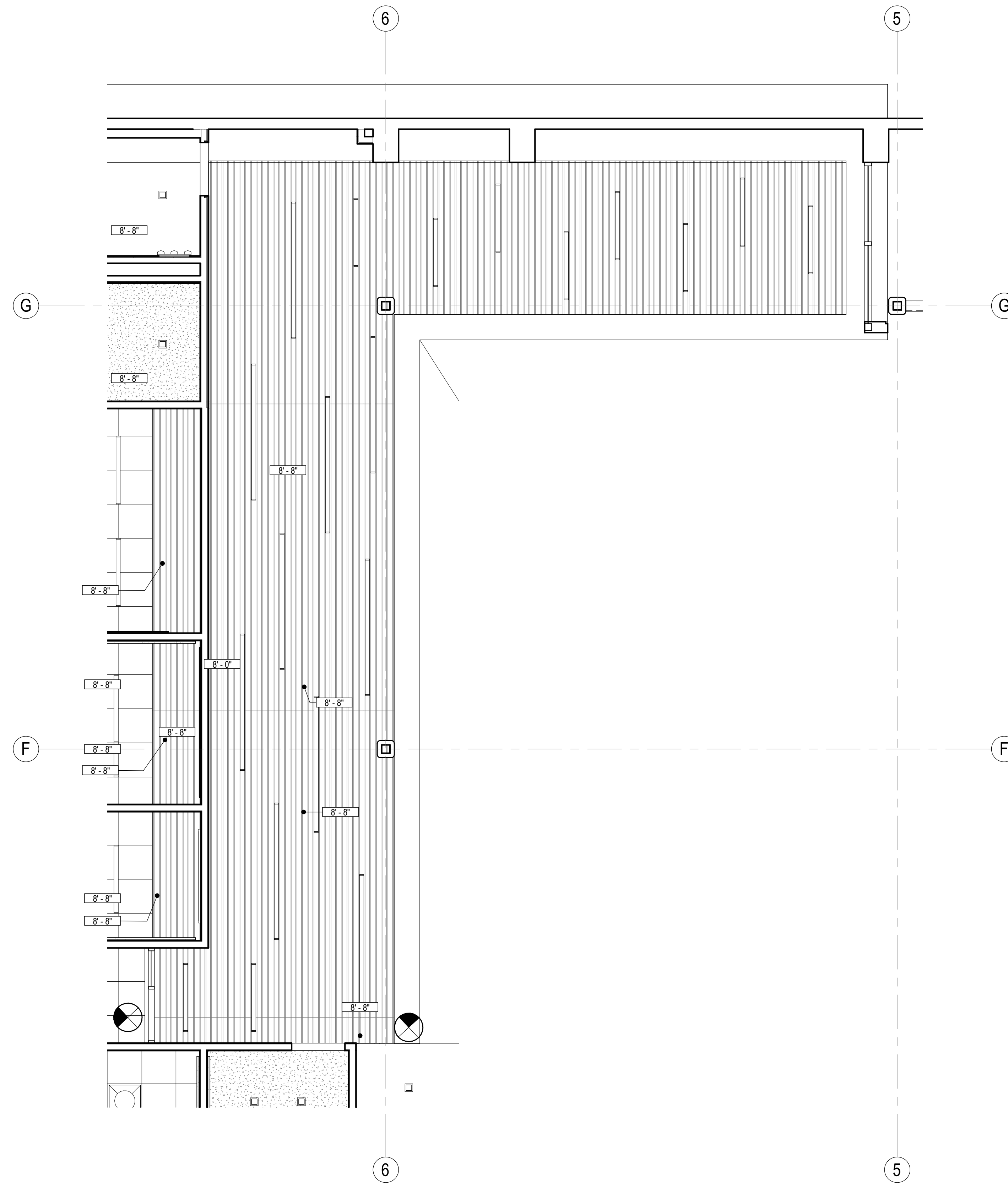
ENLARGED PLAN SHEET NOTES

ENLARGED PLAN ELEVATION KEYNOTES

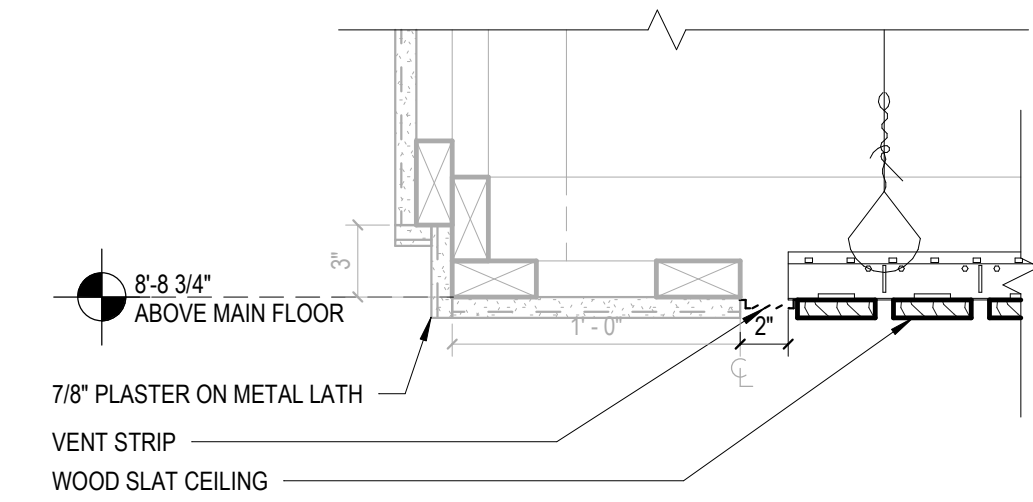
KEY PLAN

ENLARGED RCP LEGEND

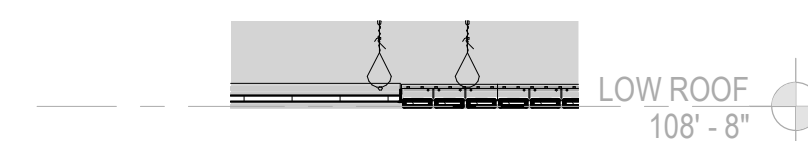
-  **WD-2** - WOOD SLAT CEILING SYSTEM. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
-  **SS-1** - 15/16" SUSPENSION GRID, BLACK PLENUM ABOVE TO BE PAINTED PTS. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
-  **ACT 1** - 24" X 24" ACT CEILING. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION
-  **SS-2** - 15/16" SUSPENSION GRID, WHITE
-  **ACT 4** - 24" X 48" ACT CEILING. SEE A240 FOR FINISH
-  **SS-2** - 15/16" SUSPENSION GRID, WHITE
-  **GB-2** - GYPSUM BOARD CLG. FRAMED SYSTEM. PAINTED.
-  PAINTED EXISTING STRUCTURE
-  PAINTED CEMENT PLASTER
-  **MTL-3** DECORATIVE METAL PANEL
-  **10'-0"** CEILING HEIGHT A.F.F.
-  **WT-1** DUAL ROLLER SHADE, ELECTRIC SEE FOR FINISH SEE A240, MS1, MS2
-  LIGHT FIXTURES, SED
-  MECHANICAL DIFFUSERS, SMD
-  WIRELESS ACCESS POINT, SEE TELECOMM DRAWINGS
-  FIRE SPRINKLERS, SEE FIRE PROTECTION DRAWINGS
-  FIRE ALARM DEVICE, SEE FIRE ALARM DRAWINGS
-  ROOF ACCESS HATCH, SEE ROOF PLAN
-  ACCESS PANEL, (CONTRACTOR TO VERIFY IN FIELD, BEST LOCATION, SIZE & NEED. COORDINATE W/ OTHER DISCIPLINES WHERE ACCESS IS NEEDED.)
-  EXIT SIGNAGE, SEE ELECTRICAL DRAWINGS
-  **SA** WINDOW TAG
-  **SREX** STOREFRONT TO REPLACE EXISTING (E) WINDOW IN KIND



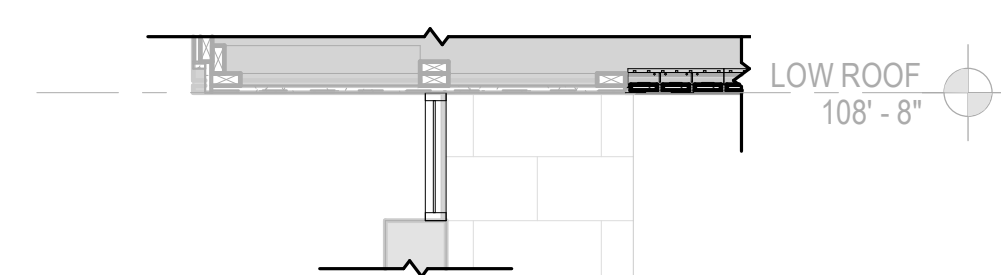
1 WOOD SLAT CEILING - REFLECTED CEILING PLAN - MAIN LEVEL  
1/4" = 1'-0"



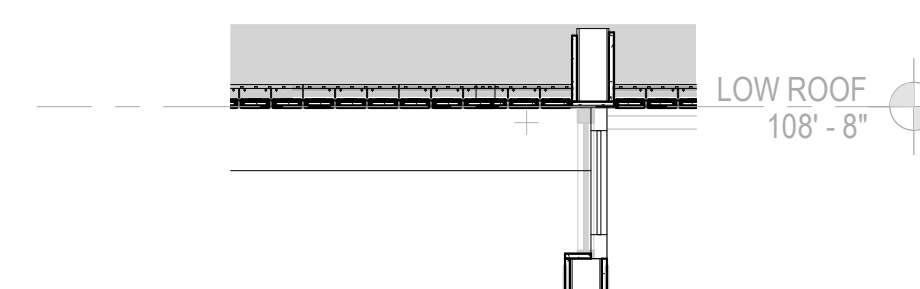
2 (E) PLASTER TO WOOD SLAT  
1 1/2" = 1'-0"



3 ACT TO WOOD SLAT CEILING  
1/2" = 1'-0"



4 WOOD SLAT TO (E) PLASTER AT WALL  
1/2" = 1'-0"



5 WOOD SLAT CEILING AT CLERESTORY WINDOW  
1/2" = 1'-0"

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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**  
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ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 01-08-2024

SHEET TITLE:

**WOOD SLAT CEILING**

SCALE: As indicated

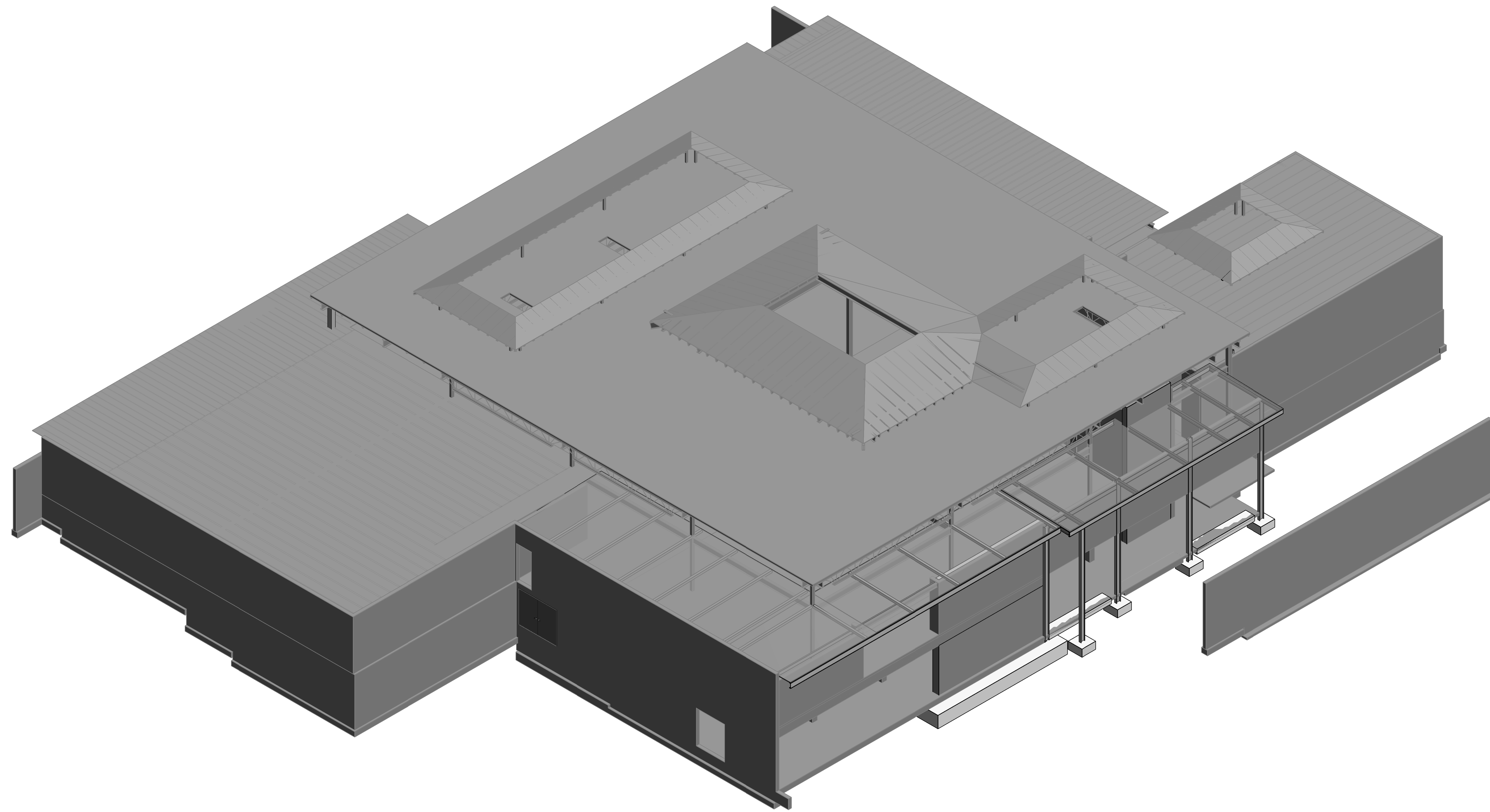
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AD 8



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ISOMETRIC VIEW

CONSULTANTS LOGO

**miyamoto.**

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La Brea, CA 90042 miyamotointernational.com  
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NO. DATE REVISIONS

NO.	DATE	REVISIONS
	11/15/2023	100% Design Development

PROJECT TITLE:

**Altadena Main  
Library**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: Issue Date

SHEET TITLE:

**ISOMETRIC VIEW**

SCALE:

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S0.00

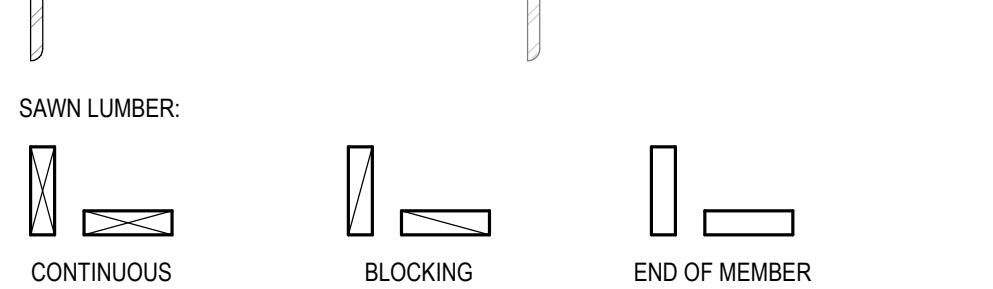
ABBREVIATIONS AND LEGEND

Table with columns for abbreviations and their corresponding full names, including terms like ANCHOR BOLT, JOINT, JOIST, etc.

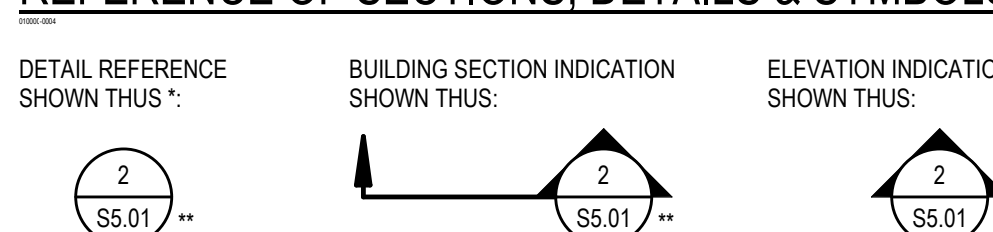
REFERENCE ELEVATION OR WORK POINT INDICATES THAT A DETAIL OR PORTION OF FRAMING IS A PART OF THE LATERAL FORCE RESISTING SYSTEM AND IS SUBJECT TO ADDITIONAL REQUIREMENTS OUTLINED IN THE GENERAL NOTES AND SPECIFICATIONS

Table showing typical hatch patterns used for materials like CONCRETE, STEEL, SOIL/EARTH, MASONRY, GROUT/SAND, and PLYWOOD/SHEATHING.

EXISTING ELEMENTS ARE SHOWN AS HALFTONE. NEW ELEMENTS ARE SHOWN AS FULL TONE UNO, EXAMPLE:



REFERENCE OF SECTIONS, DETAILS & SYMBOLS



DETAIL NOTED IS SHOWN ON SHEET SS.01, DETAIL 2. CUT IS SHOWN ON SHEET SS.01. ELEVATION IS SHOWN ON SHEET SS.01, DETAIL 2.

ADDITIONAL INDICATORS MAY BE USED TO SHOW LOCATION OF DETAIL CUTS. SHEET NUMBER MAY BE REPLACED BY A HYPHEN (-) WHEN THE REFERENCED DETAIL APPEARS ON THE SAME SHEET AS THE CALL-OUT.

DETAIL TITLE SHOWS THIS: A circle with the number 2 and the text 'DETAIL TITLE' and 'SCALE'.

INDICATES THE TITLE, SCALE, AND DETAIL NUMBER ON SHEET

NAILING SCHEDULE

UNLESS OTHERWISE NOTED ON PLANS (UNLESS OTHERWISE NOTED ON PLANS)

Table with columns for CONNECTION, NAIL TYPE, and NAILING, listing various connection types and their corresponding nail specifications.

Table titled 'NAIL SCHEDULE (COMMON NAILS)' with columns for SIZE, DIAMETER (IN), and LENGTH (IN), listing standard nail sizes.

STRUCTURAL OBSERVATIONS

- 1. VISUAL OBSERVATIONS WILL BE PERFORMED AT THE DISCRETION OF THE OWNER, ARCHITECT, SEOR, AND AS REQUIRED BY THE BUILDING OFFICIAL IN ACCORDANCE WITH THE BUILDING CODE. VISUAL OBSERVATIONS SHALL NOT BE CONSIDERED AS A SUBSTITUTE FOR THE SPECIAL INSPECTION REQUIREMENTS.

ROUGH CARPENTRY / WOOD

1. ALL GRADES SPECIFIED ARE MINIMUM GRADES REQUIRED. DOUGLAS FIR-LARCH SHALL BE GRADED BY A GRADING AGENCY CERTIFIED BY THE ALSO TO THE WCLB OR WPPA GRADING RULES. CONFORMING TO DOC P5 20. REDWOOD SHALL BE GRADED BY THE CALIFORNIA REDWOOD ASSOCIATION, REDWOOD INSPECTION SERVICE.

Table with columns for NON-LOAD-BEARING STUDS, JOISTS, RAFTERS, PURLINS, BEAMS & POSTS, and LOAD-BEARING STUDS (UNO), listing specifications for each.

- 2. WOOD SPECIES SPECIFICATIONS ("CF" INDICATES DOUGLAS FIR-LARCH CONFORMING TO DOC P520). 3. MOISTURE CONTENT OF SAWN LUMBER SHALL NOT EXCEED 19% WHEN FRAMING STARTS OR SHEATHING IS APPLIED. ANY NONCOMPLIANT WORK SHALL BE REJECTED AND REFRAMED WITH ACCEPTABLE LUMBER.

POST-INSTALLED ANCHORS AND DOWELS

UNLESS OTHERWISE NOTED ON THE DRAWINGS, THE FOLLOWING APPLIES TO ALL POST-INSTALLED ANCHORS INTO HARDENED CONCRETE OR MASONRY WHICH INCLUDES TYPES SUCH AS EXPANSION, WEDGE, SLEEVE, ADHESIVE/EPOXY, SHOT-PIN, SCREW AND UNDERCUT.

- 1. INSTALL PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPI) EXCEPT AS OTHERWISE STATED IN THE SPECIFIED PRODUCT REPORTS. USE INSTALLATION PROCEDURES FOR CRACKED CONCRETE CONDITIONS. DO NOT USE CORE DRILL BITS FOR ANCHOR HOLES WITHOUT PRIOR SEOR APPROVAL. COPIES OF INSTALLATION INSTRUCTIONS SHALL BE MAINTAINED ON SITE.

SHOTCRETE

1. SHOTCRETE SHALL CONFORM TO ALL REQUIREMENTS OF ACI 508R AND 506.2. EXCEPT AS MODIFIED BY THE FOLLOWING REQUIREMENTS (ALL OTHER APPLICABLE REQUIREMENTS OF THE CODE, INCLUDING ALL REQUIREMENTS FOR PREMIXIALLY PLACED WET-MIXED MORTAR, AND MAXIMUM TIME IN MIXER, SHALL APPLY).

- 2. SHOTCRETE MIX DESIGN AND TESTING SHALL COMPLY WITH ACI 506.2 AND STRUCTURAL CONCRETE NOTES. 3. STRUCTURAL WET MIX SHOTCRETE SHALL NOT BE PLACED WHERE THE STREAM FROM THE NOZZLE CANNOT DIRECTLY IMPINGE ON THE SURFACE ON WHICH THE CONCRETE IS TO BE PLACED. WHERE THE CONDITION PRECLUDES THE POSSIBILITY OF OBTAINING CORES FROM THE STRUCTURE, THIS METHOD SHALL NOT BE USED.

SHORING AND EXCAVATIONS

1. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, APPROVALS, PERMITS, INSTALLATION AND MAINTENANCE OF TEMPORARY SHORING AND BRACING AS REQUIRED TO SUPPORT EXISTING FRAMING WHERE SUPPORT ELEMENTS (BEAMS, COLUMNS, AND BEARING WALLS) ARE TO BE REMOVED, EXCAVATIONS, AND WHERE INDICATED IN THE DESIGN DOCUMENTS.

- 2. DESIGN LOADS FOR SHORING AND BRACING OF FRAMING SHALL BE INDEPENDENTLY DETERMINED, BUT NOT LESS THAN THE DEAD LOADS AS STATED IN STRUCTURAL DESIGN CRITERIA WHERE NOTED. 3. TEMPORARY SOIL CUTS SHALL NOT EXCEED SLOPES RECOMMENDED IN THE GEOTECHNICAL REPORT, NOR THOSE SHOWN ON THE SHORING DRAWINGS FOR CONSTRUCTION OF FOUNDATIONS.

SHORING AND EXCAVATIONS

1. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, APPROVALS, PERMITS, INSTALLATION AND MAINTENANCE OF TEMPORARY SHORING AND BRACING AS REQUIRED TO SUPPORT EXISTING FRAMING WHERE SUPPORT ELEMENTS (BEAMS, COLUMNS, AND BEARING WALLS) ARE TO BE REMOVED, EXCAVATIONS, AND WHERE INDICATED IN THE DESIGN DOCUMENTS.

- 2. DESIGN LOADS FOR SHORING AND BRACING OF FRAMING SHALL BE INDEPENDENTLY DETERMINED, BUT NOT LESS THAN THE DEAD LOADS AS STATED IN STRUCTURAL DESIGN CRITERIA WHERE NOTED. 3. TEMPORARY SOIL CUTS SHALL NOT EXCEED SLOPES RECOMMENDED IN THE GEOTECHNICAL REPORT, NOR THOSE SHOWN ON THE SHORING DRAWINGS FOR CONSTRUCTION OF FOUNDATIONS.

STRUCTURAL CONCRETE

1. CONCRETE SHALL BE MIXED, PLACED AND CURED IN ACCORDANCE WITH ACI 318 AND ACI 301 AND PROJECT SPECIFICATIONS.

- 2. CONCRETE SHALL NOT BE DROPPED THROUGH REINFORCING STEEL (AS IN WALLS) SO AS TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT THE DROPPING OF MATERIAL AND WEBSIDE OF MATERIAL SHALL BE MINIMIZED THROUGHOUT THE CONSTRUCTION PERIOD. ADDITIONAL READINGS SHALL BE OBTAINED WHEN REQUESTED BY THE BUILDING OFFICIAL, SHORING ENGINEER OR GEOTECHNICAL ENGINEER. IF HORIZONTAL OR VERTICAL MOVEMENT EXCEEDS THE ALLOWED AMOUNT, THE GEOTECHNICAL ENGINEER, SHORING ENGINEER AND SEOR SHALL EVALUATE SUCH MOVEMENT AND RECOMMEND CORRECTIVE MEASURES. IF NECESSARY, BEFORE WORK IS CONTINUED.

GENERAL

1. REFER TO THE TYPICAL DETAIL SHEETS FOR TYPICAL DETAILS OF CONSTRUCTION. TYPICAL DETAILS APPLY TO ALL CONSTRUCTION UNLESS SPECIFICALLY NOTED OR SHOWN OTHERWISE. WHERE CONDITIONS REQUIRE MODIFICATIONS OF A TYPICAL DETAIL, THE CONTRACTOR SHALL SUBMIT A NOTED DETAIL FOR APPROVAL BY THE SEOR PRIOR TO FABRICATION AND INSTALLATION. DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE OF SAME NATURE AS THOSE SHOWN FOR SIMILAR CONSTRUCTION.

- 2. CONTRACTOR SHALL CONSIDER THE PROJECT SPECIFICATIONS AS PART OF THE CONTRACT DOCUMENTS. WHERE INFORMATION IS CONFLICTING, SPECIFIC DETAILS SHALL GOVERN OVER TYPICAL DETAILS WHICH SHALL GOVERN OVER GENERAL NOTES WHICH SHALL GOVERN OVER SPECIFICATIONS. 3. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL DIMENSIONS. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE OMITTED OR NOT CLEAR, CONTACT THE ARCHITECT OF RECORD OR SEOR. ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. DIMENSIONS ARE TO THE FACE OF STUDS, AND TO THE CENTERLINE OF COLUMN.

STRUCTURAL DESIGN CRITERIA FOR VOLUNTARY SEISMIC IMPROVEMENT

1. THE OBJECTIVE OF THE VOLUNTARY SEISMIC IMPROVEMENT ARE LIMITED IN SCOPE AND ARE INTENDED TO MITIGATE THE SEISMIC DEFICIENCIES NOTED BELOW:

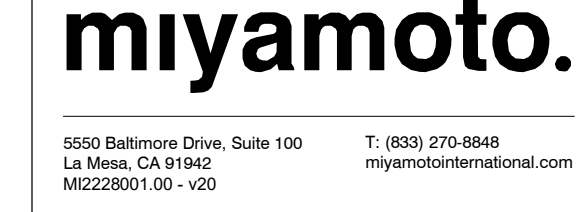
- a. INADEQUATE WALL ANCHORAGE AT THE FLEXIBLE DIAPHRAGM AT SECOND FLOOR. b. INADEQUATE MASONRY AND WOOD SHEARWALL CAPACITY AT GROUND AND FLOOR ABOVE AT SELECTED LOCATIONS. c. INADEQUATE ANCHORAGE FOR SHEARWALL UPLIFT FORCES AT FOUNDATION AND FLOORS ABOVE - SEE DRAWINGS FOR LOCATIONS. d. INADEQUATE CONNECTION BETWEEN WOOD FLOOR AND CONCRETE FLOOR.



ANDERSON BRULÉ & ARCHITECTS

325 South First Street, 4th Floor San Jose, California 95113 408.298.1851 | www.aba-ar.com

CONSULTANTS LOGO



5500 Bathurst Drive, Suite 100 T: (888) 270-8848 MIDDLETOWN, OH 45201-0610 miyamotointernational.com

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Table with columns for NO., DATE, and REVISIONS, listing revision history.

PROJECT TITLE: Altadena Main Library

PROJECT NO. 2111010 DATE: Issue Date SHEET TITLE: GENERAL NOTES

SCALE: 1/2" = 1'-0" 1. SEE 'AS-BUILT' DRAWINGS FOR EXISTING BUILDING ITEMS NOT SHOWN OR NOTED. 2. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO SHOP DRAWING PRODUCTION AND FABRICATION OF STRUCTURAL ELEMENTS.

SCALE: 1/2" = 1'-0"

S0.01

## PRODUCT REPORTS

- FOR ALL ITEMS IN THE CONSTRUCTION DOCUMENTS NOT NOTED WITH A SPECIFIC PRODUCT NAME OR MANUFACTURER, THE CONTRACTOR SHALL PROVIDE A PRODUCT SPECIFIED IN THE TABLE BELOW.
- THE FOLLOWING PRODUCTS SHALL BE INSTALLED PER THE REQUIREMENTS OF THE REFERENCED PRODUCT REPORTS, UNO.
- A PRODUCT MAY BE SUBSTITUTED FOR AN EQUIVALENT PRODUCT PER THE SCHEDULE BELOW IF APPROVED BY THE SEOR AND THE BUILDING OFFICIAL.
- PRODUCTS SPECIFIED BY TYPE ONLY MAY USE ANY PRODUCT FROM THE SCHEDULE BELOW.

TYPE	PRODUCT	ICCB#	IAPMO#	LARR#	
ADHESIVE ANCHOR TO CONCRETE	HULTI HIT-HY 200	ESR-3187	-	25664	
	HULTI HIT-HY 200 V3	ESR-3814	-	26028	
	HULTI HIT-RE 100	ESR-3829	-	26027	
	HULTI HIT-HY 100	ESR-3572	-	-	
	SIMPSON SET-S3	ESR-4057	-	-	
	SIMPSON SET-XP	ESR-2608	-	-	
	SIMPSON AT-XP	-	0263	-	
	DEWALT PE1000+	ESR-2583	-	25849	
	DEWALT AC208+	ESR-4027	-	-	
	DEWALT PURE 110+	ESR-3238	-	26035	
	HRC 360 HEADED BARS	ESR-2935	0177	25875	
	LENTON TEPHATOR D14	-	0188	25963	
CONCRETE REINFORCING HEADED END *	BAR SPLICE BUTTON HEAD	-	0331	25996	
	DEXTRA BARTEC	ESR-2166	-	25884	
ADHESIVE ANCHOR TO GROUDED MASONRY	HULTI HIT-HY 270	ESR-4143	-	-	
	HULTI HIT-HY-200 V3	ESR-4878	-	26077	
	SIMPSON SET	-	-	25279	
	SIMPSON SET-S3	-	0285	25965	
	SIMPSON SET-XP	-	0281	25966	
	DEWALT AC100+ GOLD	ESR-3200	-	26049	
	MASONRY SCREW	DEWALT ULTRACON+	ESR-3196	-	-
	WOOD FRAMING CLIPS	SIMPSON STRONG-TIE CLIPS	ESR-2623	-	-
		USP STRUCTURAL CONNECTORS	ESR-2686	-	-
		SIMPSON STRONG DRIVE SCREWS (SDS)	ESR-2236	-	25711
		SIMPSON SD TIMBER SCREWS (SDWS/SDWH)	-	0192	25906
	WOOD SCREWS	FASTENMASTER TIMBERLOK / HEADLOK / LEDGERLOK	ESR-1078	-	-

### FOOTNOTES:

- \* ANY CONCRETE REINFORCING HEADED END COMPLYING WITH ASTM A970 MAY BE USED.
- \*\* ANY SHEET METAL SCREW COMPLYING WITH ASTM C1513, SELF-DRILLING AND TAPPING TYPE, WITH HEAD TYPE APPROPRIATE TO THE APPLICATION, MAY BE USED.
- \*\*\* AT TREATED LUMBER, PROVIDE GALVANIZED FASTENERS IN ACCORDANCE WITH PRODUCT REPORTS.

## LEAN CONCRETE FILL

- LEAN CONCRETE SHALL ONLY BE USED WHERE SPECIFIED IN THE DRAWINGS.
- MIXING AND PLACING OPERATIONS SHALL CONFORM TO ACI 223R.
- 28-DAY COMPRESSIVE STRENGTH:
 

WHERE SUPPORTING FOOTINGS	300 PSI
OTHER	100 PSI
- TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ASTM D4832.

## COLD-FORMED STEEL FRAMING

- DESIGN, FABRICATION AND ERECTION OF COLD-FORMED STEEL FRAMING SHALL CONFORM TO THE SPECIFICATIONS AND STANDARD OF THE AMERICAN IRON AND STEEL INSTITUTE (AISI), AS CONTAINED IN THE "SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", INCLUDING ALL APPLICABLE AMENDMENTS.
- ALL COLD-FORMED STEEL FRAMING SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE. ALL COLD-FORMED STEEL FRAMING SHALL BE BRACED AS REQUIRED BY SECTION D3 OF THE AISI SPECIFICATION.
- COLD-FORMED STEEL GRADES:
 

16GA (43 MILS) OR THINNER	ASTM A1003 GRADE 33 (FY = 33 KSI)
16GA (54 MILS) AND THICKER	ASTM A1003 GRADE 50 (FY = 50 KSI)
- THE THICKNESS OF TRACKS SHALL NOT BE LESS THAN THE THICKNESS OF THE MEMBER CONNECTING TO IT.
- STUD ENDS SHALL ACHIEVE FULL BEARING AGAINST TRACK WEB, UNLESS NOTED OTHERWISE.
- COLD-FORMED STEEL MEMBERS ARE TO BE ATTACHED WITH SHEET METAL SCREWS (SMS). PENETRATION OF SCREWS THROUGH JOINED MATERIAL SHALL NOT BE LESS THAN 3 EXPOSED THREADS. SCREWS ARE TO BE INSTALLED AND TIGHTENED IN ACCORDANCE WITH SCREW MANUFACTURER'S RECOMMENDATIONS. SHEET METAL SCREWS SHALL COMPLY WITH ASTM C1513, SELF-DRILLING AND TAPPING TYPE, WITH PANCAKE FRAMER HEAD TYPE FOR #10 SMS AND HEX WASHER HEAD TYPE FOR #12 AND #14 (1/4") SMS UNLESS NOTED OTHERWISE.
- COLD-FORMED MEMBERS SHALL BE UNPINCHED WHERE USED FOR THE FOLLOWING: HEADERS AND SILLINGS WIDER THAN 2'-0" AND BUILT-UP SECTIONS. PUNCH-OUTS SHALL BE LOCATED IN THE CENTER OF THE WEB WITH A MINIMUM SPACING OF 2'-0" AND A MAXIMUM WIDTH OF HALF THE MEMBER DEPTH OR 2 1/2", WHICHEVER IS LESS, AND A MAXIMUM LENGTH OF 1'-0". THE MINIMUM DISTANCE BETWEEN THE END OF THE MEMBER OR A SUPPORT AND THE NEAR EDGE OF THE PUNCH-OUT SHALL BE 1'-0".
- WELDING OF LIGHT GAGE STEEL SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.3.
- COLD-FORMED MEMBER DESIGNATIONS ARE AS FOLLOWS:
 

600 S 250-54	MATERIAL THICKNESS (E.G. S 4 MILS + 0.054 IN)	FLANGE WIDTH (E.G. 250 x 1100 + 2.5 IN)	SECTION TYPE (S = STUD, T = TRACK, U = CHANNEL, F = FURRING CHANNEL)	MEMBER DEPTH (E.G. 600 x 1100 + 6.00 IN)
NON-STRUCTURAL	17	25		
	27	22		
	30	20		
	33	20		
	43	18		
STRUCTURAL STUDS	54	16		
	68	14		
	97	12		
	118	10		

- PROVIDE SECTIONS WITH PROPERTIES MEETING OR EXCEEDING THE STEEL STUD MANUFACTURER'S ASSOCIATION (SSMA) TABULATED GROSS SECTION PROPERTIES AND A CURRENT THIRD PARTY EVALUATION REPORT. THE SUBMITTAL SHALL DEMONSTRATE THAT THE VALUES MEET/EXCEED SSMA'S TABULATED VALUES FOR THE PROJECT-SPECIFIC SECTIONS.

STUD TYPE	DESIGNATION THICKNESS (MILS)	GAGE FOR REFERENCE ONLY
NON-STRUCTURAL	17	25
	27	22
	30	20
	33	20
	43	18
STRUCTURAL STUDS	54	16
	68	14
	97	12
	118	10

- WHERE WELDS ARE DESIGNATED AS DEMAND CRITICAL, THEY SHALL BE MADE WITH A FILLER METAL, CAPABLE OF PROVIDING A MINIMUM CVM TOUGHNESS OF 20 FT-LB AT -20F AND 40 FT-LB AT 70F. SEE AWS D1.8, SECTION 6.3.5. FOR CVM TEST CRITERIA. "DC" INDICATES A DEMAND CRITICAL WELD.

## STRUCTURAL SUBMITTALS

- EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND- OR SEISMIC-RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTION.
- THE FOLLOWING LIST SUMMARIZES REQUIRED STRUCTURAL SUBMITTALS FOR THIS PROJECT. REFER TO THE SPECIFICATIONS FOR A COMPLETE LIST AND ADDITIONAL REQUIREMENTS.
  - GENERAL
    - QUALIFICATION DATA FOR APPROVED INSTALLERS AND FABRICATORS
    - CERTIFICATES OF CONFORMANCE FOR PREFABRICATED MEMBERS
    - SEISMIC JOINT AND EXPANSION JOINT COVER PRODUCT DATA
  - CONCRETE REINFORCEMENT
    - MANUFACTURER'S PRODUCT DATA, SPECIFICATIONS AND INSTALLATION PROCEDURES FOR PROPRIETARY MATERIALS AND REINFORCEMENT
    - STEEL PRODUCER'S CERTIFICATES OF MILL ANALYSIS, TENSILE AND BEND TESTS
    - SHOP DRAWINGS FOR FABRICATION, BENDING AND PLACEMENT
  - CAST-IN-PLACE CONCRETE
    - DESIGN MIX FOR EACH CONCRETE MIX
    - MATERIAL TEST REPORTS
    - MATERIAL CERTIFICATES FOR CEMENT, AGGREGATES AND ADMIXTURES
    - SHOP DRAWINGS FOR PROPOSED LOCATIONS OF ADDITIONAL CONSTRUCTION OR CONTROL JOINTS NOT SHOWN ON THE STRUCTURAL PLANS
    - MINUTES FROM PREINSTALLATION CONFERENCE
  - UNIT MASONRY
    - DESIGN MIX FOR GROUT
    - MATERIAL TEST REPORTS
  - STRUCTURAL STEEL
    - MANUFACTURER'S MILL CERTIFICATES
    - MILL TEST REPORTS
    - SHOP DRAWINGS FOR FABRICATION AND ASSEMBLY OF MEMBERS
    - ERECTION PLAN SEQUENCE AND PROCEDURES
    - WELDING PROCEDURE SPECIFICATIONS (WPS)
    - CERTIFICATES FOR ALL WELDERS VERIFYING CURRENT AWS QUALIFICATIONS
    - TEST REPORTS FOR SHOP AND FIELD WELDED AND BOLTED CONNECTIONS
  - STEEL DECK
    - SHOP DRAWINGS INDICATING TYPE, LAYOUT, DETAILS, AND OPENINGS LARGER THAN 1'-0"
  - ROUGH CARPENTRY
    - PRODUCT DATA FOR TREATMENTS AND PRESERVATIVES
    - MATERIAL CERTIFICATES FOR DIMENSION LUMBER
  - GLUED LAMINATED BEAMS
    - SHOP DRAWINGS INDICATING LAYOUT
    - CERTIFICATE OF CONFORMANCE

## HIGH-STRENGTH BOLTS

- JOINT ASSEMBLIES USING HIGH-STRENGTH BOLTS SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE "AISC" (RCS) SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS".
- ALL HIGH-STRENGTH BOLTS SHALL CONFORM TO ASTM F3125 GRADE A325 OR A490, OR GRADE F1882, TYPE 1, W/ THREADS INCLUDED (NF).
- NUTS SHALL CONFORM TO ASTM A563 AND WASHERS SHALL CONFORM TO ASTM F436.
- PAINT IS PROHIBITED ON CONTACT SURFACES UNLESS NOTED OTHERWISE. CONTACT SURFACES OF BOLTED PARTS SHALL BE DESCALED AND FREE OF DIRT, OIL, BURRS, PITS, AND OTHER DEFECTS WHICH PREVENT SOLID SEATING OF PARTS.
- ALL HIGH-STRENGTH BOLTS SHALL BE TIGHTENED TO THE AISC SNUG TIGHT CONDITION UNLESS SPECIFIED AS SLIP-CRITICAL.
- BOLTS IN "X" CONNECTIONS SHALL HAVE THE THREADS EXCLUDED FROM THE SHEAR PLANE. BOLTS IN "N" CONNECTIONS MAY HAVE THE THREADS INCLUDED IN THE SHEAR PLANE. CONNECTION TYPES ARE INDICATED AFTER THE BOLT GRADE (A325A FOR EXAMPLE). HIGH-STRENGTH BOLTS ARE "N" BEARING CONNECTIONS, UNLESS NOTED OTHERWISE.
- SLIP-CRITICAL BOLTS SHALL HAVE CLASS "N" FAYING SURFACES. SLIP-CRITICAL JOINT ASSEMBLIES SHALL BE FULLY PRE-TENSIONED BY TURN-OF-NUT TIGHTENING. TENSION CONTROL CALIBRATED WRENCH TIGHTENING, TWIST-OFF BOLTS CONFORMING TO ASTM F3125 GRADE F1882, OR BY DIRECT TENSION INDICATOR TIGHTENING CONFORMING TO ASTM F959.

## WELDING

- WELDING PROCEDURES, ELECTRODES AND WELDER QUALIFICATIONS SHALL CONFORM TO AWS AND AISI REQUIREMENTS.
- ALL WELDERS SHALL HAVE EVIDENCE OF PASSING THE AWS STANDARD QUALIFICATION TESTS, AND SHALL BE CERTIFIED FOR THE WORK THEY ARE PERFORMING.
- PROJECT WELDS SHALL BE PERFORMED ONLY IN ACCORDANCE WITH WELDING PROCEDURE SPECIFICATIONS (WPS) SUBMITTED BY THE CONTRACTOR AND REVIEWED BY THE SEOR AND PROJECT WELDING INSPECTOR. THE WPS SHALL BE IN ACCORDANCE WITH THE APPLICABLE AWS.
- WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED PER AWS D1.1 USING E70XX ELECTRODES UNLESS OTHERWISE NOTED.
- ALL FULL PENETRATION WELDS SHALL BE ULTRA-SONIC TESTED PER AWS D1.1 AND D1.8 REQUIREMENTS AS APPLICABLE.
- ALL GROOVE OR BUTT WELDS SHALL BE COMPLETE PENETRATION WELDS, UNO. ALL EXPOSED BUTT WELDS SHALL BE GROUND SMOOTH.
- ALL EXPOSED WELDS ON ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISI CODE OF STANDARD PRACTICE, SECTION 10.
- FIELD WELDS HAVE BEEN INDICATED WHERE THEY ARE EXPECTED TO OCCUR. THE CONTRACTOR SHALL DETERMINE THE ACTUAL FIELD WELDING NECESSARY TO COMPLETE THE PROJECT AND INCLUDE ALL ASSOCIATED COSTS WITHIN THE BASE BID.
- ALL SPECIFIED FILLET WELD SIZES ARE MINIMUM SIZES. INCREASE WELDS TO AISI MINIMUM SIZES BASED ON THICKNESSES OF MATERIALS JOINED.

## STEEL LATERAL FORCE RESISTING SYSTEM

- HIGH-STRENGTH SLIP-CRITICAL BOLTS SHALL BE USED FOR ALL "LATERAL FORCE RESISTING SYSTEM" (LFRS) MEMBER STEEL TO STEEL CONNECTIONS, UNO.
- ALL WELDS WITHIN MEMBERS DESIGNATED AS PART OF THE LATERAL FORCE RESISTING SYSTEM (LFRS) SHALL CONFORM TO THE DETAILING, MATERIALS, WORKMANSHIP, TESTING, AND INSPECTION REQUIREMENTS OF AWS D1.8 AND AISI 341, AND SHALL USE A FILLER METAL WITH A CHАРRY V NOTCH (CVN) TOUGHNESS OF 20 FT-LB AT 0°F.
- WHERE WELDS ARE DESIGNATED AS DEMAND CRITICAL, THEY SHALL BE MADE WITH A FILLER METAL, CAPABLE OF PROVIDING A MINIMUM CVM TOUGHNESS OF 20 FT-LB AT -20F AND 40 FT-LB AT 70F. SEE AWS D1.8, SECTION 6.3.5. FOR CVM TEST CRITERIA. "DC" INDICATES A DEMAND CRITICAL WELD.
- WELDERS PERFORMING WELDING WITHIN THE "LFRS" SHALL BE QUALIFIED IN ACCORDANCE WITH AWS D1.8 CHAPTER 5.
- (INTERMEDIATE MOMENT FRAMES AND SPECIAL MOMENT FRAMES) WELDS FOR COLUMN SPLICES AND COLUMN TO BASEPLATE CONNECTIONS SHALL BE DEMAND CRITICAL WELDS.
  - WHERE A PORTION OF A STRUCTURAL STEEL MEMBER IS DESIGNATED AS A PROTECTED ZONE, IT SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
    - TRACK WELDS, AIR-ARC GOUGING, THERMAL CUTTING, AND OTHER DISCONTINUITIES CREATED BY FABRICATION OR ERECTION OPERATIONS, SHALL BE REPAIRED AS REQUIRED BY SEOR.
    - WELDED SHEAR STUDS AND DECKING ATTACHMENTS THAT PENETRATE THE BEAM FLANGE SHALL NOT BE PLACED ON BEAM FLANGES. ARC SPOT WELDS AS REQUIRED TO SECURE METAL DECK ARE PERMITTED.
    - WELDED BOLTED, SCREWED, OR SHOT-IN ATTACHMENTS FOR PERIMETER EDGE ANGLES, EXTERIOR FACADES, PARTITIONS, DUCT WORK, PIPING, OR OTHER CONSTRUCTION ARE PROHIBITED.
    - COORDINATION OF QUALITY CONTROL AND QUALITY ASSURANCE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
- STRUCTURAL STEEL MATERIALS/GRADES, UNO.
 

SHAPE	MATERIAL / GRADE
WIDE FLANGE & TEES	ASTM A992
PLATES, ANGLES, CHANNELS, THREADED RODS (UNO)	ASTM A36
HIGH-STRENGTH PLATE (UNO)	ASTM A572, GRADE 50
HIGH-STRENGTH PLATE 4 1/4" AND THICKER	ASTM A572, GRADE 42
SQUARE OR RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE C (FY = 50 KSI) OR ASTM A1085
ROUND HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE C (FY = 46 KSI) OR ASTM A1085
PIPES	ASTM A53 TYPE E OR S, GRADE B (FY = 35 KSI)
MACHINE BOLTS (MB)	ASTM A307
WELDED HEADED STUDS	ASTM A29
THREADED RODS FOR ANCHOR BOLTS	ASTM F1554, GRADE 55

  - a. EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE HIGH-STRENGTH BOLTS b. WHERE WELDING TO GRADE 55 THREADED ANCHOR RODS IS REQUIRED, USE ASTM F1554 GRADE 55 WITH SUPPLEMENT S1.

## METAL DECK

- SEE TYPICAL DETAILS FOR REINFORCING OF DECK AROUND OPENINGS. CONTRACTOR SHALL COORDINATE SIZE AND LOCATIONS OF OPENINGS WITH THE VARIOUS TRADES. NO LOADS SHALL BE HUNG FROM DECK WITHOUT APPROVAL OF SEOR.
- FLOOR AND ROOF DECK IS DESIGNED FOR UNHORED CONSTRUCTION. UNO. MAINTAIN 3" SPAN CONDITION WHEREVER POSSIBLE (2 SPAN MN) EXCEPT AT STAIR LANDINGS AND WHERE NOTED OTHERWISE ON PLANS.
- PROVIDE 2" MINIMUM BEARING AT ALL SUPPORTS. END LAPS OF METAL DECK SHALL BE A MINIMUM OF 2' AND SHALL OCCUR ONLY OVER SUPPORTS. DECK SHALL BE LAID OUT SO THAT A LOW FLUTE FALLS ON EACH PARALLEL SUPPORT.
- SUBMIT SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL SHOW TYPE OF DECK, LAYOUT OF DECK, THE SIZE AND LOCATION OF ANY OPENINGS OF WIDTH GREATER THAN 1'-0", AND ATTACHMENT METHOD.
- ALTERNATES TO TYPE OF DECK AND FASTENING MAY BE USED WITH THE APPROVAL OF THE SEOR. DECK PROPERTIES SHALL BE EQUAL TO OR GREATER THAN THOSE SHOWN ON THE PLANS. ANY DECK OR METHOD OF FASTENING SHALL HAVE AN EVALUATION REPORT APPROVING THE DECK FOR THE APPLICATION.
- METAL DECK WITH CONCRETE FILL SHALL HAVE POSITIVE VENTING. DO NOT EMBED PIPES, SLEEVES, CONDUIT, ETC IN CONCRETE TOPPING, UNO.
- WELDING OF METAL DECK SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) D1.3.
- PLACE CONCRETE FIRST OVER BEAMS AND GIRDERS RATHER THAN AT MIDSPAN OF DECK. DO NOT FLEET CONCRETE HIGHER THAN THE FINISHED SURFACE OF THE SLAB.
- ALL WELDED HEADED STUDS, THREADED STUDS, AND DEFORMED BARS SHALL BE NELSON, OR EQUIVALENT, AND WELDED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BY CERTIFIED WELDERS SO AS TO FULLY DEVELOP THE TENSILE CAPACITY OF THE CONNECTOR.
- BOLTS WITH UPSET THREADS ARE NOT ALLOWED. USE THE APPROPRIATE NUT AND WASHER TYPE FOR THE SPECIFIED BOLT.
- ALL STEEL FABRICATION SHALL BE PERFORMED BY A LICENSED FABRICATOR.
- BEAMS NOT SPECIFIED WITH CAMBER SHALL HAVE MILL CAMBER PLACED IN UPWARD POSITION.
- ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL PERMANENTLY EXPOSED TO THE ELEMENTS SHALL BE HOT DIP GALVANIZED AFTER FABRICATION UNLESS A WEATHERPROOF COATING IS SPECIFIED BY THE ARCHITECT. UNO. STAINLESS AND WEATHERING STEELS, WHERE SPECIFIED, ARE EXEMPT FROM THIS REQUIREMENT. GALVANIZED SURFACES SHALL BE PROTECTED DURING CONSTRUCTION AND SHALL BE REPAIRED AS NECESSARY. ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL COMPLY WITH AISI CODE OF STANDARD PRACTICE, SECTION 10.
- SEE ARCHITECTURAL DRAWINGS FOR RALER HOLES, WELDED STUDS OR OTHER ITEMS NOT SHOWN IN THESE DRAWINGS.
- WHERE STEEL IS EMBEDDED IN CONCRETE OR MASONRY, PROVIDE HOLES AS REQUIRED FOR PASSAGE OF CONTINUOUS REINFORCING BARS WHERE INDICATED ON DRAWINGS.
- DO NOT CUT HOLES IN STRUCTURAL STEEL WITHOUT APPROVAL OF THE SEOR.
- PLACE NON-SHRINK OR DRYPACK GROUT UNDER ALL BASEPLATES AND ALLOW TO CURE UNTIL SPECIFIED STRENGTH IS REACHED BEFORE APPLYING LOADS.
- WHERE AN HSS OR PIPE SECTION IS INSTALLED IN AN EXTERIOR CONDITION, PROVIDE CAP PLATE EACH END WITH SEAL WELD ALL AROUND.

## CONCRETE MASONRY

- CONCRETE MASONRY UNITS (CMU) SHALL DEVELOP THE FOLLOWING MINIMUM 28 DAY PRISM COMPRESSIVE STRENGTHS:
 

LOCATION	2m	CONCRETE MASONRY UNITS	GROUT
ALL CMU UNO	2000 PSI	2000 PSI	2000 PSI
- CONCRETE BLOCK SHALL CONFORM TO ASTM C90 MEDIUMWEIGHT. USE OF LIGHTWEIGHT BLOCK REQUIRES PRIOR WRITTEN APPROVAL BY THE SEOR.
- MORTAR SHALL BE TYPE S MORTAR.
- VERTICAL REINFORCING SHALL BE FULL HEIGHT OF WALL AND SHALL BE BRACED AT 6'-0" MAXIMUM TO PREVENT MOVEMENT WHILE GROUTING.
- HORIZONTAL REINFORCING SHALL BE IN BOND BEAM UNITS AND TIED SECURELY TO VERTICAL REINFORCING.
- DOWNELS, ANCHORS, AND OTHER EMBEDDED ITEMS SHALL BE TIED SECURELY IN PLACE TO PREVENT MOVEMENT WHILE GROUTING. WET SETTING OR STABBING IS NOT ALLOWED.
- LAYOUT OF MASONRY BLOCK UNITS SHALL BE PER ARCHITECTURAL DRAWINGS. BLOCK MODULUES / MORTAR JOINTS SHOWN ON THESE DRAWINGS ARE FOR PRESENTATION PURPOSES ONLY, AND NOT INTENDED TO SUPERCEDE ARCHITECTURAL DESIGN REQUIREMENTS. BLOCK SHALL BE PLACED IN RUNNING BOND AND SHALL BE 9/16" NOMINAL UNITS, UNO. WHERE BLOCK IS REQUIRED TO BE PLACED IN STACK BOND (SEE ARCH), OPEN-ENDED UNITS (I.E., "SPEED BLOCK") SHALL BE USED.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE SAFETY OF LIFT HEIGHT FOR PEN-ENDED OR FIELD MODIFIED BLOCKS.
- REINFORCING # BLOCK:
 

TYPICAL VERTICAL REINFORCING	#5 @ 16"OC, CENTERED, UNO
TYPICAL HORIZONTAL REINFORCING	#4 @ 24"OC, UNO
- PROVIDE VERTICAL CONTROL JOINTS IN CMU WALLS AS SHOWN ON PLAN, UNLESS NOTED OTHERWISE. VERTICAL CONTROL JOINTS SHALL OCCUR AT:
  - 25'-0"OC MAXIMUM ALONG LENGTH OF WALL
  - A SPACING NOT EXCEEDING 1.5 TIMES THE WALL HEIGHT
  - CHANGES IN WALL HEIGHT
  - CHANGES IN WALL THICKNESS
  - FLOOR AND ROOF JOINTS
  - 2" PAST ONE SIDE OF OPENINGS LESS THAN 6'-0" WIDE
  - 2" PAST BOTH SIDES OF OPENINGS GREATER THAN OR EQUAL TO 6'-0" WIDE
- FILL ALL CELLS WITH GROUT. MAXIMUM GROUT LIFTS SHALL NOT EXCEED 8'-0" AND CLEANOUTS AT THE BOTTOM OF ALL CELLS SHALL BE USED UNLESS THE LIFT IS 4'-0" OR LESS. GROUT FOR EACH POUR SHALL BE STOPPED 1 1/2" BELOW THE TOP OF A BLOCK COURSE EXCEPT AT THE FINAL COURSE. ALL GROUT SHALL BE THOROUGHLY CONSOLIDATED BY VIBRATING IMMEDIATELY AFTER PLACING, SHAKING OR RODDING REBAR IS NOT ALLOWED. HORIZONTAL REINFORCING SHALL BE FULLY EMBEDDED IN GROUT IN AN UNINTERRUPTED POUR.
- DSA FILL ALL CELLS WITH GROUT. LIFTS SHALL BE 4'-0" MAX UNLESS HIGH-LIFT GROUTING IS USED. GROUT FOR EACH POUR SHALL BE STOPPED 1 1/2" BELOW TOP OF BLOCK EXCEPT AT THE FINAL COURSE. ALL GROUT SHALL BE THOROUGHLY CONSOLIDATED BY VIBRATING IMMEDIATELY AFTER PLACING. HORIZONTAL REINFORCING SHALL BE FULLY EMBEDDED IN GROUT IN AN UNINTERRUPTED POUR. DSA APPROVAL IS REQUIRED FOR HIGH-LIFT GROUTING. ALL HIGH-LIFT GROUTING SHALL CONFORM TO DSA IR 21-2 AND CBC 2019 SECTION 2104A.1.3.1.1.2

## STRUCTURAL STEEL

- DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE SPECIFICATIONS AND STANDARDS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISI), AS CONTAINED IN THE "AISI MANUAL OF STEEL CONSTRUCTION", ALL WORK SHALL BE IN ACCORDANCE WITH THE TESTING, INSPECTION, QUALIFICATION, AND QUALITY ASSURANCE PROVISIONS AS REQUIRED BY THE BUILDING CODE AND ANY APPLICABLE STANDARDS. THESE STANDARDS INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: AISI 360 "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", AISI 300 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", AISI 341 "SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS", AWS D1.1 "STRUCTURAL WELDING CODE - STEEL", AWS D1.8 "STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT", AND RCS "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS". CONFORMANCE TO SUPPLEMENTS TO THESE STANDARDS, IF PUBLISHED ON OR BEFORE THE DATE OF PERMIT ISSUANCE, IS ALSO REQUIRED. ALTHOUGH THESE CONTRACT DOCUMENTS INCLUDE GENERAL REFERENCES TO CODES AND STANDARDS, AND REFERENCES TO OR INCLUSIONS OF SPECIFIED PROVISIONS, OMISSIONS OF ANY APPLICABLE CODE, STANDARD, OR PROVISION DOES NOT RELIEVE THE GENERAL CONTRACTOR FROM COMPLIANCE TO THE APPLICABLE REQUIREMENTS. COORDINATION OF QUALITY CONTROL AND QUALITY ASSURANCE IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE UNTIL OTHER MEANS IS PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.
- STRUCTURAL STEEL MATERIALS/GRADES, UNO.
 

SHAPE	MATERIAL / GRADE
WIDE FLANGE & TEES	ASTM A992
PLATES, ANGLES, CHANNELS, THREADED RODS (UNO)	ASTM A36
HIGH-STRENGTH PLATE (UNO)	ASTM A572, GRADE 50
HIGH-STRENGTH PLATE 4 1/4" AND THICKER	ASTM A572, GRADE 42
SQUARE OR RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE C (FY = 50 KSI) OR ASTM A1085
ROUND HOLLOW STRUCTURAL SECTIONS (HSS)	ASTM A500, GRADE C (FY = 46 KSI) OR ASTM A1085
PIPES	ASTM A53 TYPE E OR S, GRADE B (FY = 35 KSI)
MACHINE BOLTS (MB)	ASTM A307
WELDED HEADED STUDS	ASTM A29
THREADED RODS FOR ANCHOR BOLTS	ASTM F1554, GRADE 55

  - a. EXCEPT AS OTHERWISE NOTED, ALL BOLTS SHALL BE HIGH-STRENGTH BOLTS b. WHERE WELDING TO GRADE 55 THREADED ANCHOR RODS IS REQUIRED, USE ASTM F1554 GRADE 55 WITH SUPPLEMENT S1.

## FOUNDATIONS AND SLABS ON GRADE

- GEOTECHNICAL REPORT INFORMATION AND DESIGN CRITERIA:
 

GEOTECHNICAL REPORT	BYER GEOTECHNICAL, INC
AUTHOR	BYER GEOTECHNICAL, INC
REPORT NUMBER	BG 21566
DATE	SEPTEMBER 18, 2012
- CONTRACTOR SHALL CONFORM TO ALL RECOMMENDATIONS AND CONDITIONS INDICATED IN THE GEOTECHNICAL REPORT. THE GEOTECHNICAL ENGINEER SHALL OBSERVE ALL FOOTING EXCAVATIONS PRIOR TO PLACING CONCRETE.
- FOOTINGS ARE CENTERED UNDER WALLS AND COLUMNS, UNO.
- ALL TRENCHES SHALL COMPLY WITH APPLICABLE OSHA REQUIREMENTS.
- ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED BUT NOT BEHIND RETAINING WALLS BEFORE CONCRETE OR MASONRY ATTAINS ITS FULL DESIGN STRENGTH.
- THE DESIGN OF ALL RETAINING WALLS AND SUBTERRANEAN BUILDING WALLS INDICATED ON THESE DRAWINGS IS BASED ON DRAINED SOILS.
- CONSTRUCTION JOINTS (CJ) AND SAWCUT (SC) JOINTS IN SLABS SHALL OCCUR WHERE SPECIFIED IN CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL SUBMIT SLAB JOINT LAYOUT TO SEOR FOR REVIEW PRIOR TO PLACING CONCRETE. CJS SHALL HAVE FOLD POUR STOPS. CONSTRUCTION JOINTS IN WALLS AND FOOTINGS NEED NOT OCCUR AT THE SAME LOCATION, UNO.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF SLAB SLOPES, DEPRESSIONS, CURBS, DRAINS, NON-STRUCTURAL PARTITIONS AND OTHER EMBEDDED ITEMS NOT SHOWN IN THE STRUCTURAL DRAWINGS.
- CONTRACTOR SHALL PROTECT ALL UTILITY LINES, ETC. ENCOUNTERED DURING EXCAVATION AND BACKFILLING. THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THE DRAWINGS. THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD ANY SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.
- THE SLAB ON GRADE IS NOT DESIGNED TO SUPPORT TRAFFIC FROM CRANES OR OTHER HEAVY CONSTRUCTION VEHICLES. CONTRACTOR SHALL REPAIR OR REPLACE DAMAGED CONCRETE SLABS.

## REINFORCING STEEL

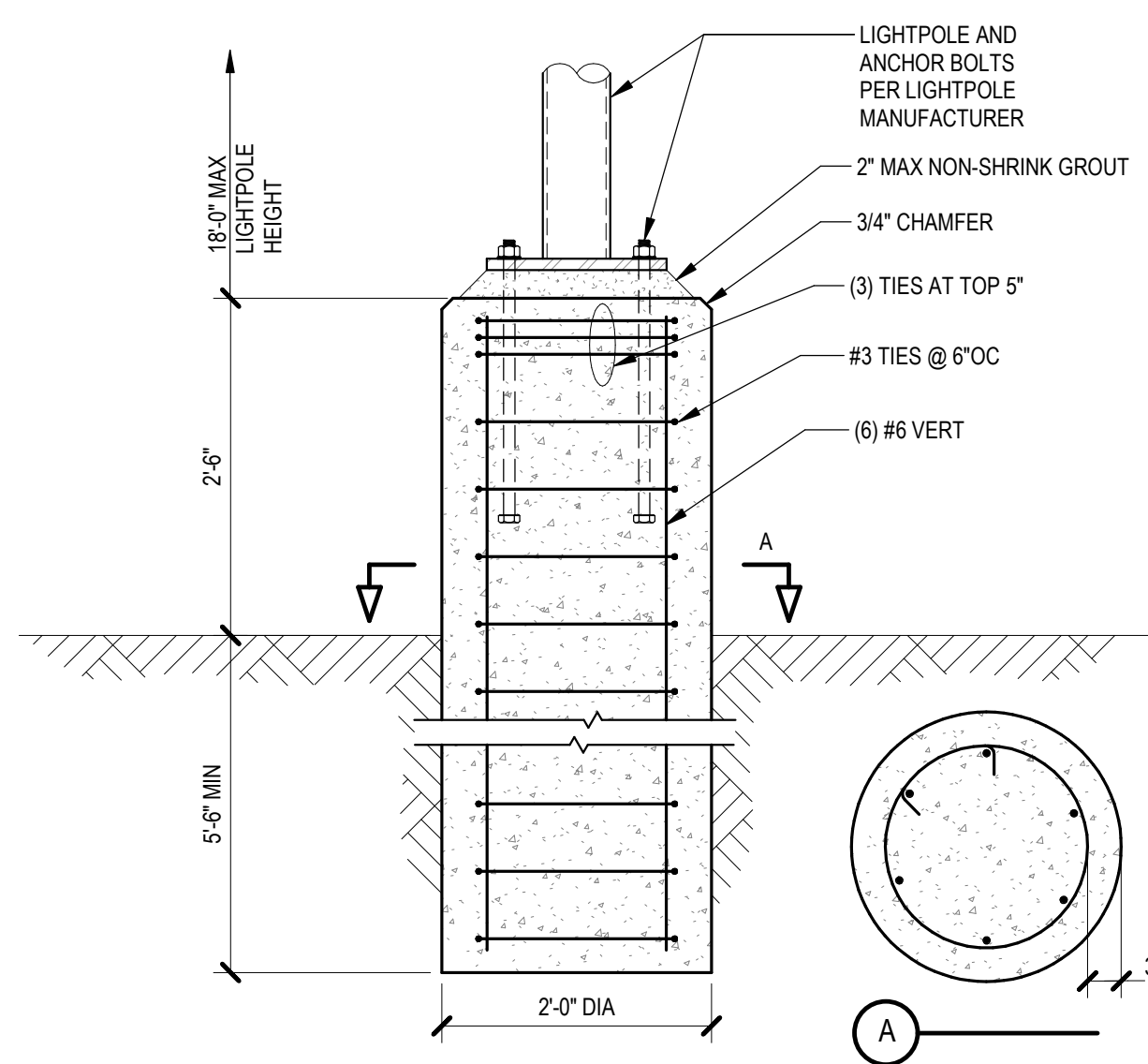
- REINFORCING GRADES FOR CONCRETE AND MASONRY:
 

ALL BARS UNLESS NOTED OTHERWISE	ASTM A615 OR A706, GRADE 60
TIES AND STIRRUPS	ASTM A615 OR A706, GRADE 60
WELDED WIRE FABRIC	ASTM A1064
ALL BARS TO BE WELDED	ASTM A706, GRADE 60
- ALL BARS SHALL BE DEFORMED.
- MAINTAIN CONCRETE COVER FROM FACE OF CONCRETE TO EDGE OF ALL REINFORCEMENT AS FOLLOWS (UNO). THE INTENT IS FOR REINFORCEMENT TO BE PLACED SO THAT IT IS AS CLOSE TO CONCRETE SURFACES AS POSSIBLE, WITHIN SPECIFIED TOLERANCES, WHILE MAINTAINING THIS MINIMUM PROTECTION. PROVIDE THE LARGEST COVER REQUIRED FOR ALL APPLICABLE CONDITIONS. WHERE #3 STIRRUPS OR TIES ARE USED, ENSURE THAT THE COVER FOR LONGITUDINAL BARS IS ADEQUATE.

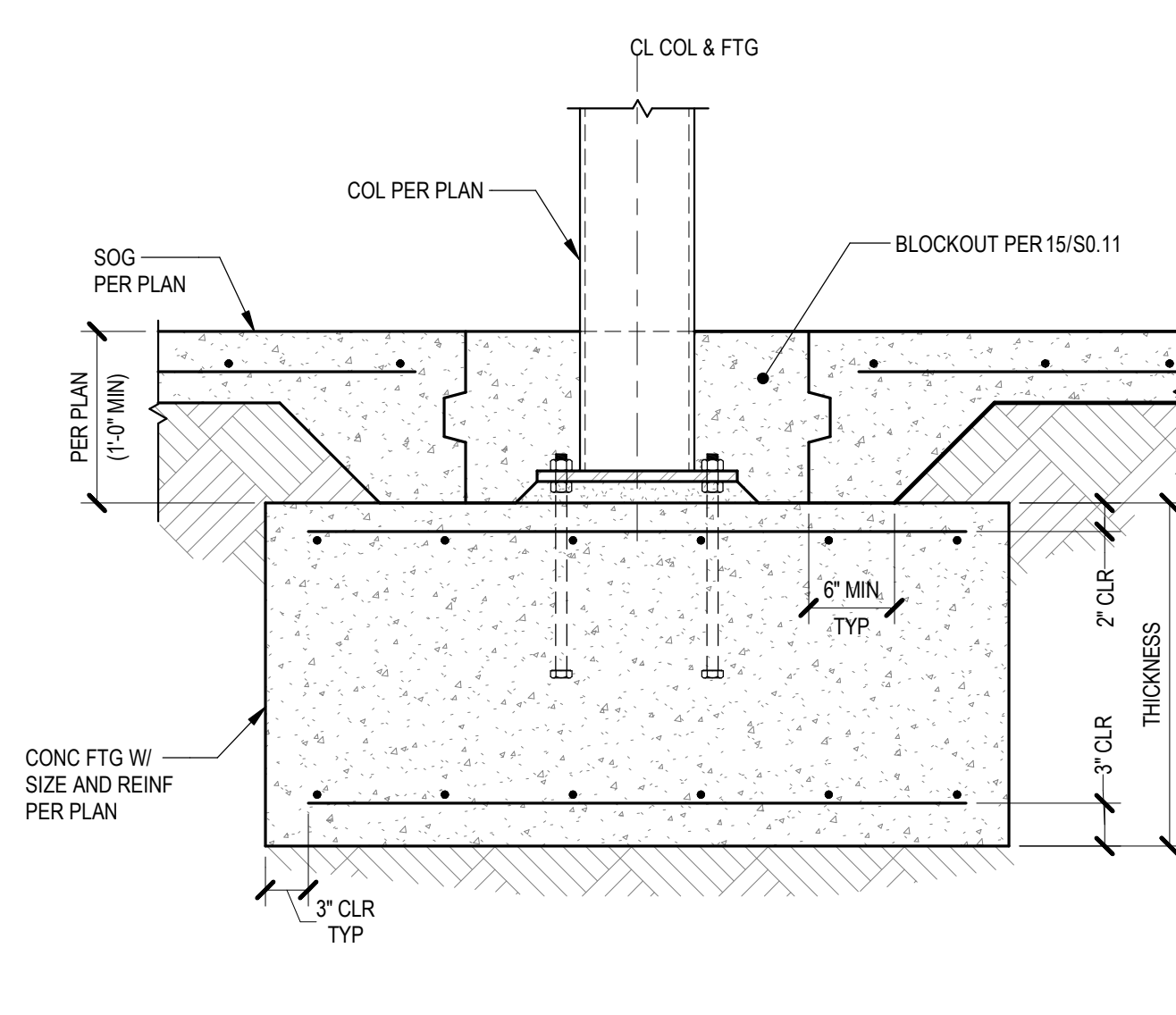
CONDITION	COVER
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
FORMED AND EXPOSED TO EARTH OR WEATHER	
#6 BARS AND LARGER	2"
#6 BARS AND SMALLER	1 1/2"
UNEXPOSED RAISED SLABS AND WALL FACES (#11 BARS AND SMALLER)	3/4"
UNEXPOSED COLUMNS AND BEAMS	1 1/2"
STRUCTURAL SLABS ON GRADE	
FROM BOTTOM OF SLAB	2"
FROM TOP OF SLAB	1 1/2"
OTHER CONCRETE NOT EXPOSED TO EARTH OR WEATHER (#11 BARS AND SMALLER)	3/4"

- "CLEAR" OR "CLR" INDICATES DISTANCE BETWEEN SURFACES AND DOES NOT INDICATE MINIMUM UNLESS SPECIFICALLY NOTED AS SUCH. CLEAR DISTANCES ARE SUBJECT TO TOLERANCES PER CRSI.
- REINFORCEMENT SHALL BE PLACED IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE". EACH REINFORCING BAR SHALL BE WIRE TO A CROSS BAR AT A MAX

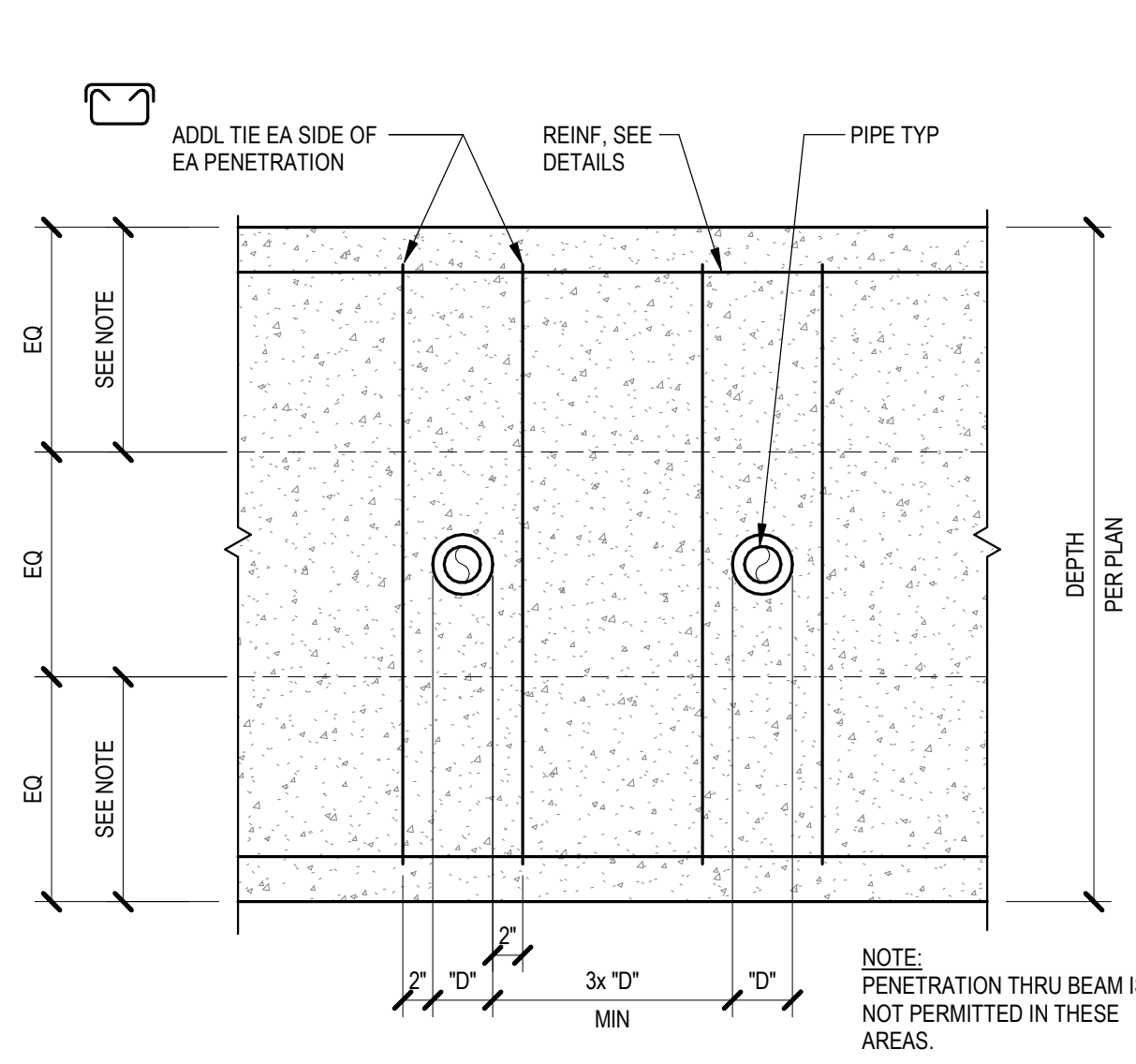




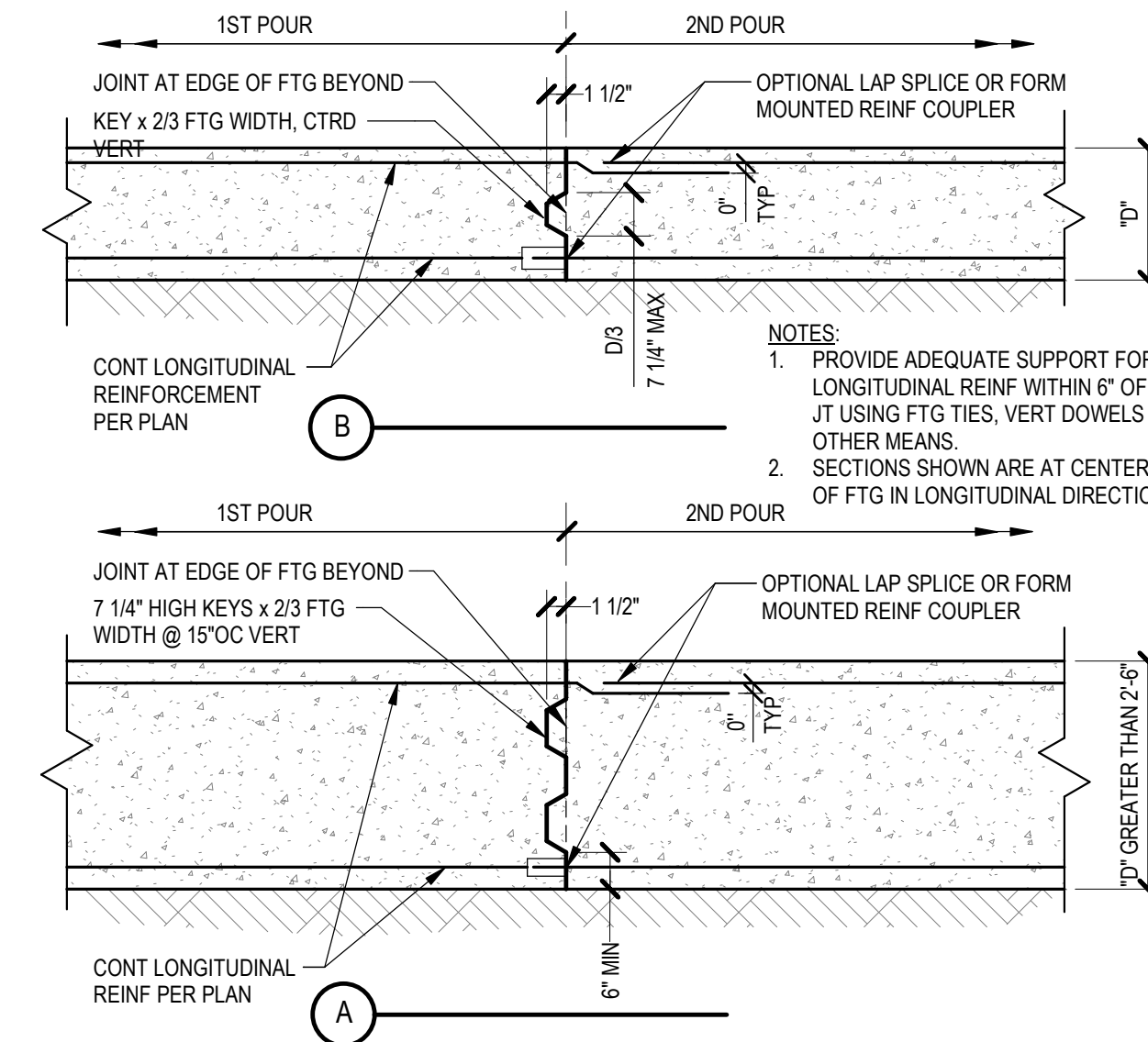
17 LIGHTPOLE FOUNDATION  
NTS 033100\_01-0111



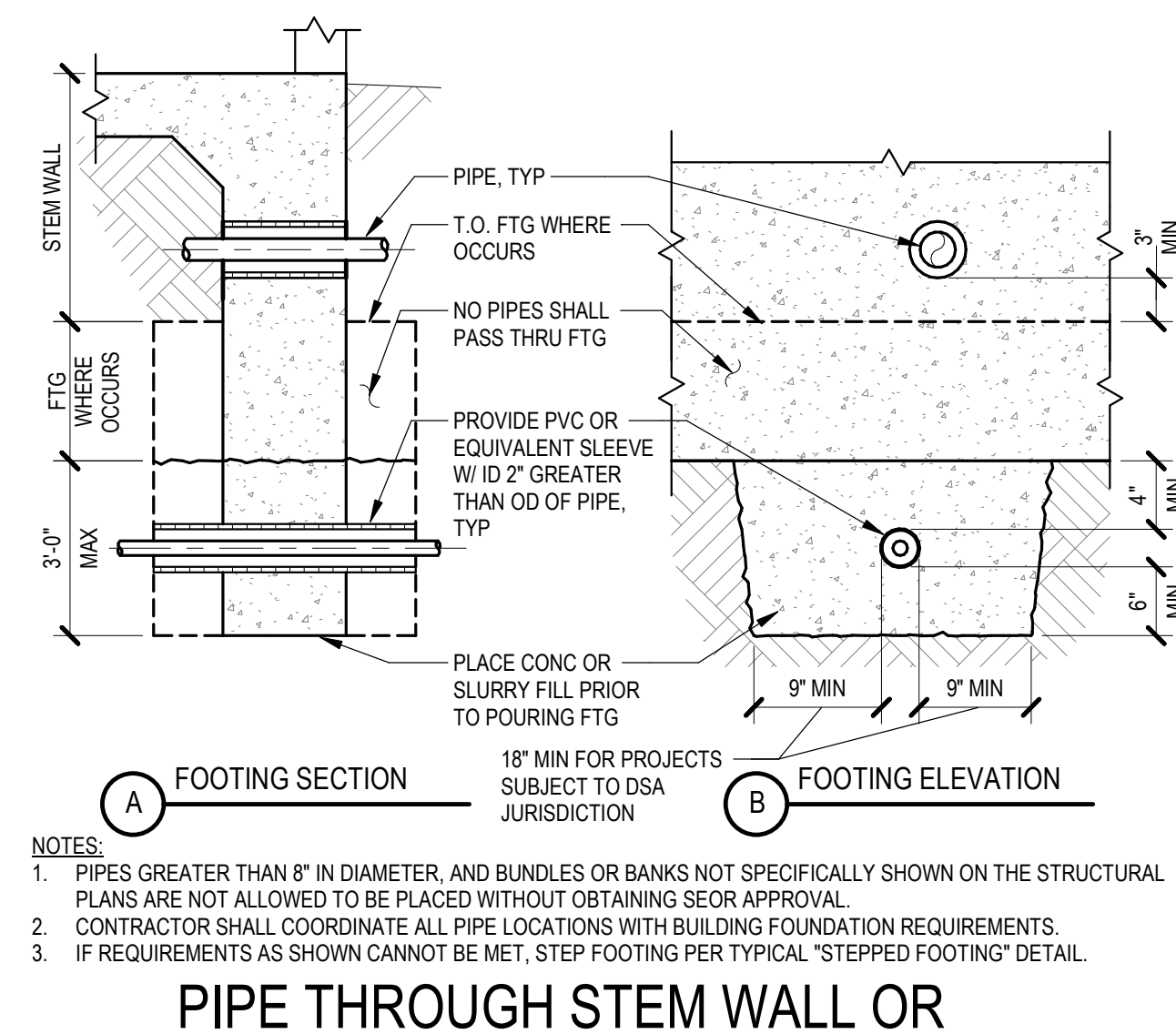
13 STEEL COLUMN TO PAD FOOTING  
NTS 033100\_01-0103



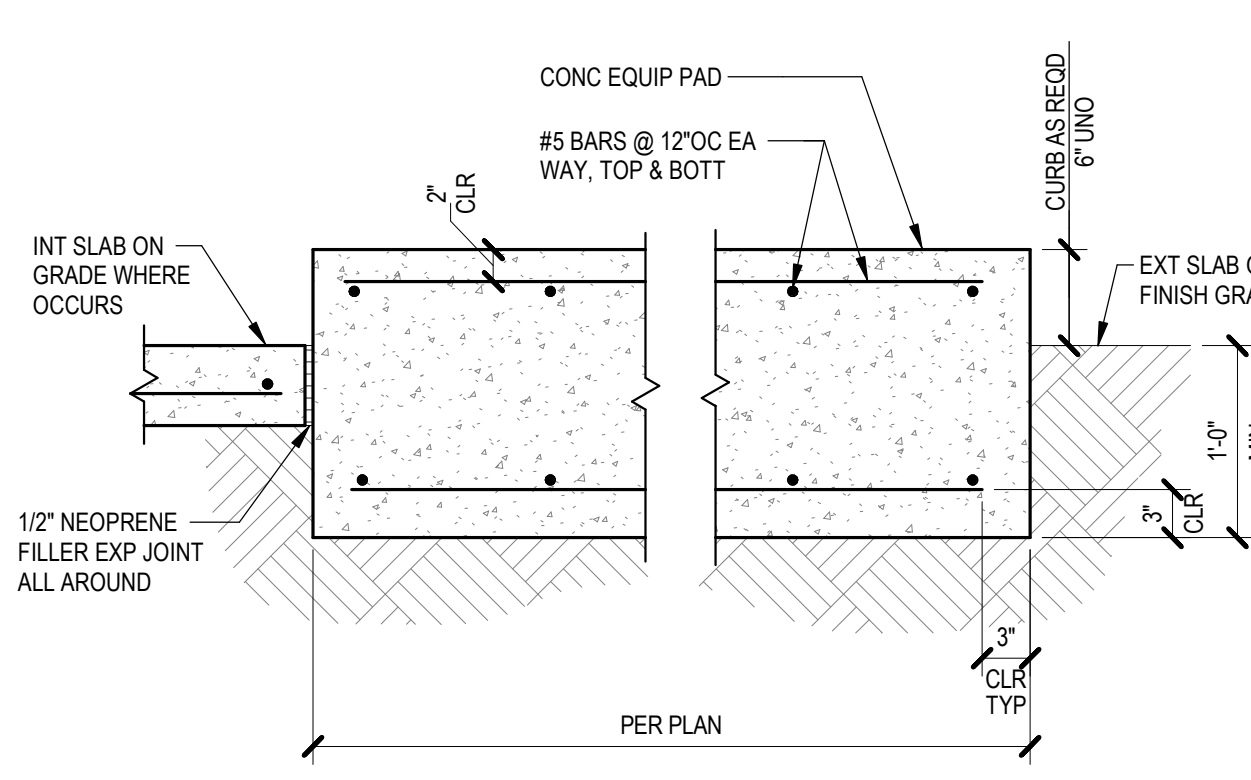
9 PIPING & CONDUIT THRU GRADE BEAM  
NTS 033100\_00-0103



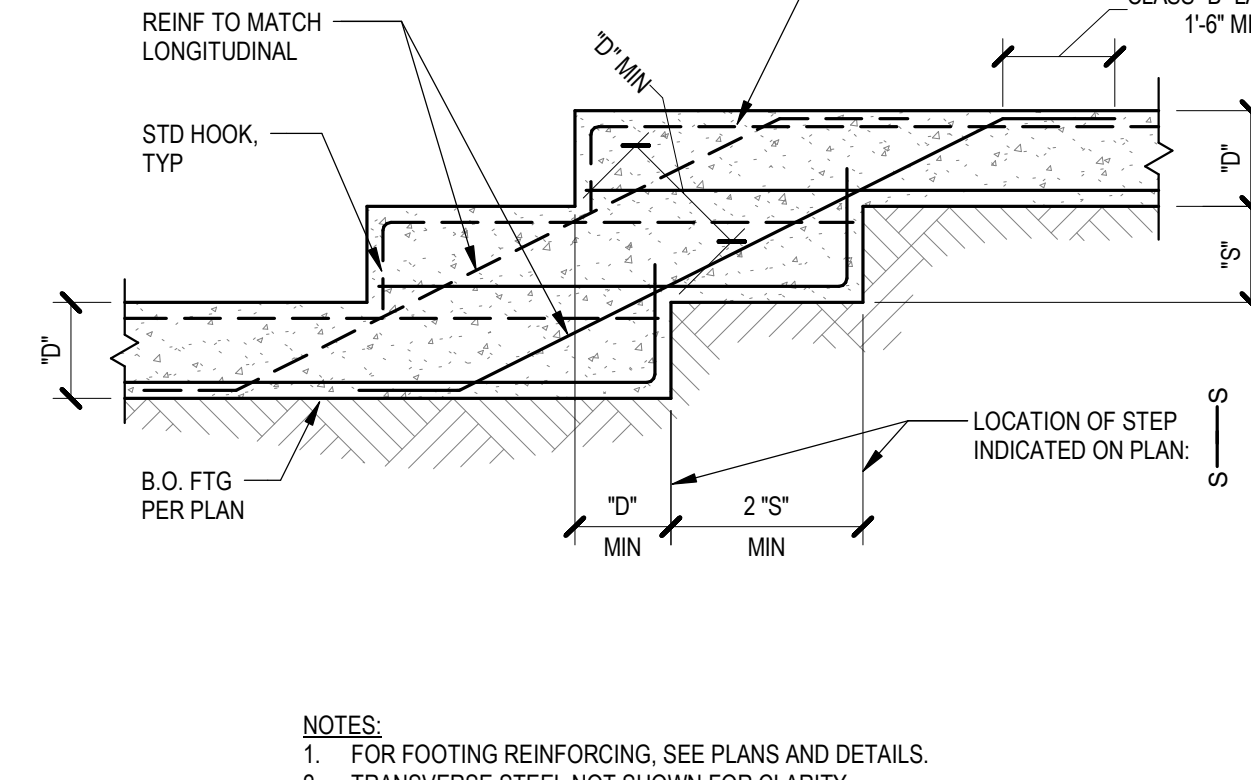
5 FOOTING CONSTRUCTION JOINT  
NTS 033100\_01-0104



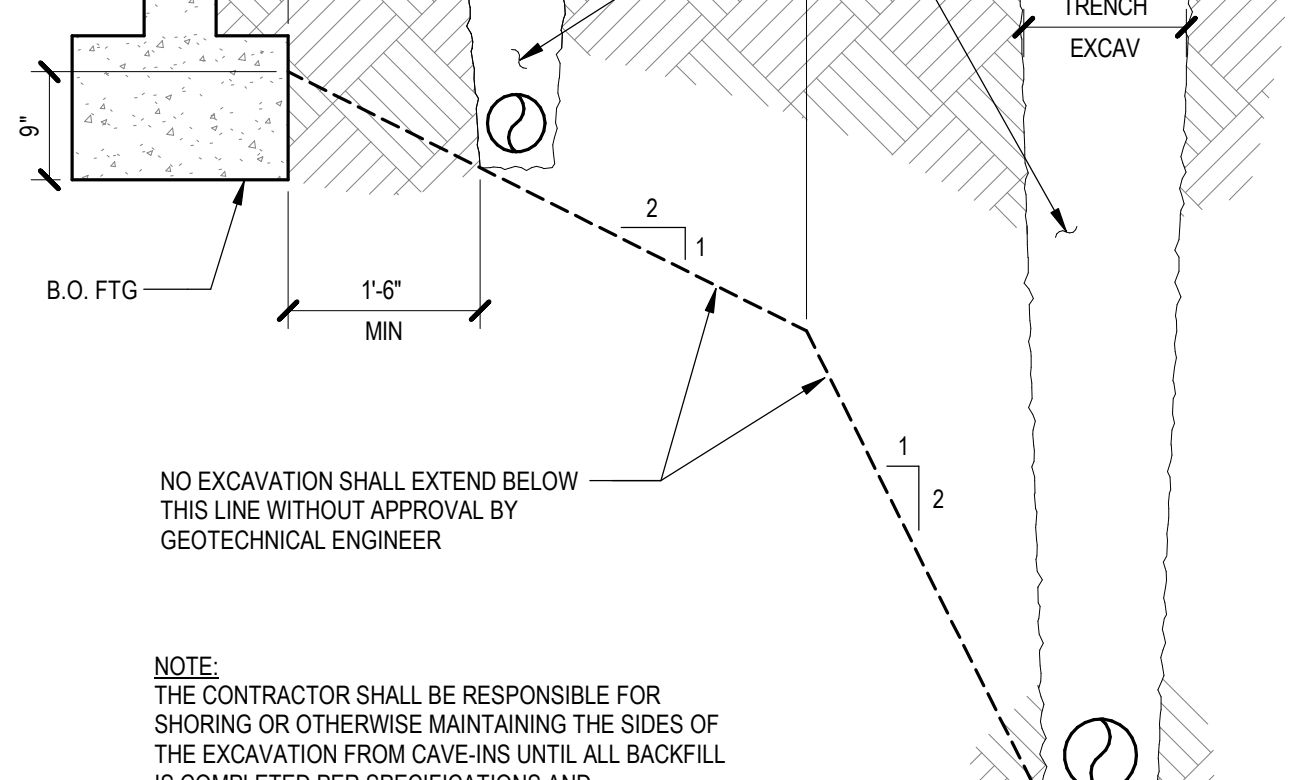
1 PIPE THROUGH STEM WALL OR BELOW FOOTING  
NTS 033100\_00-0101



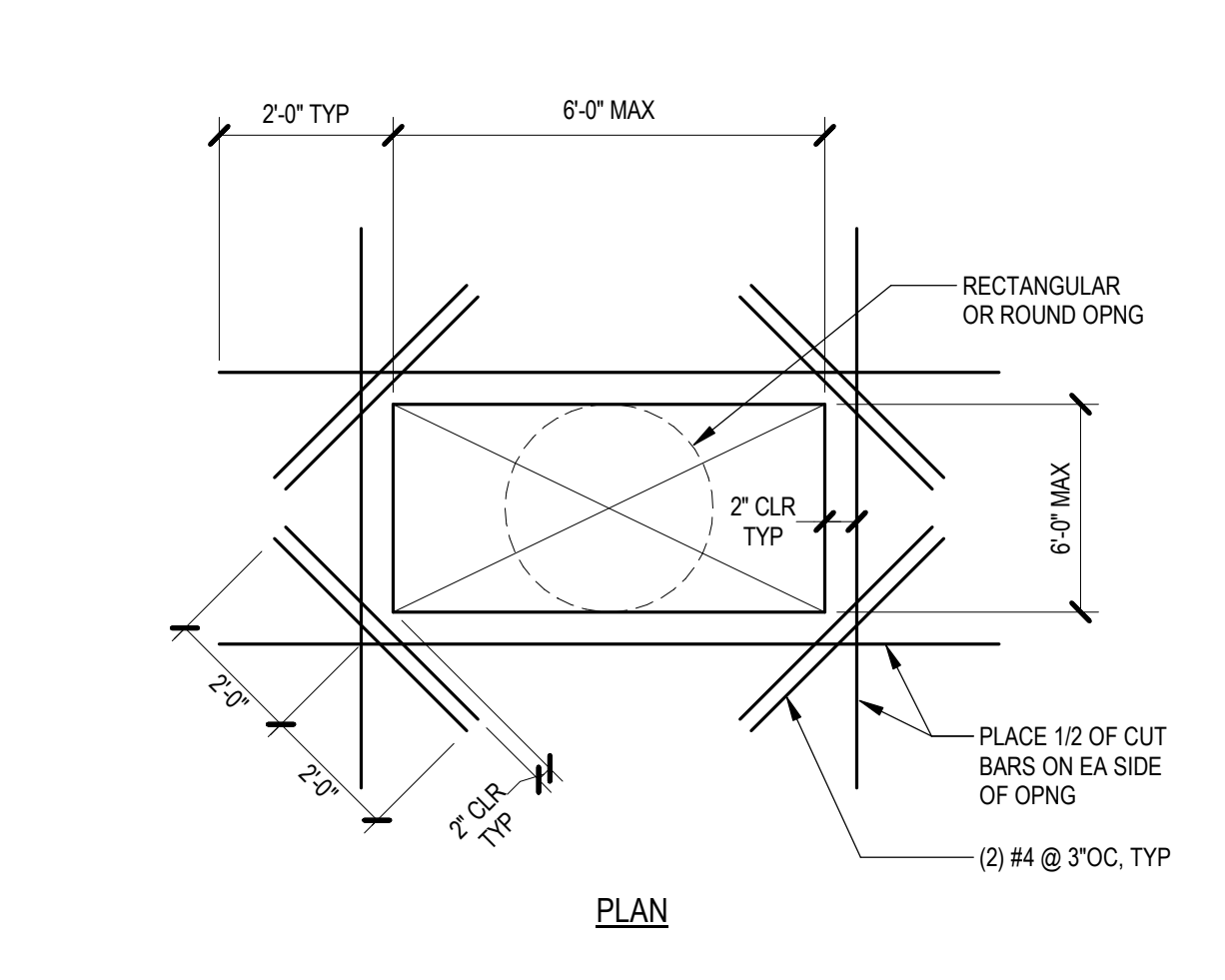
10 ISOLATED EQUIPMENT PAD  
NTS 033053\_01-0101



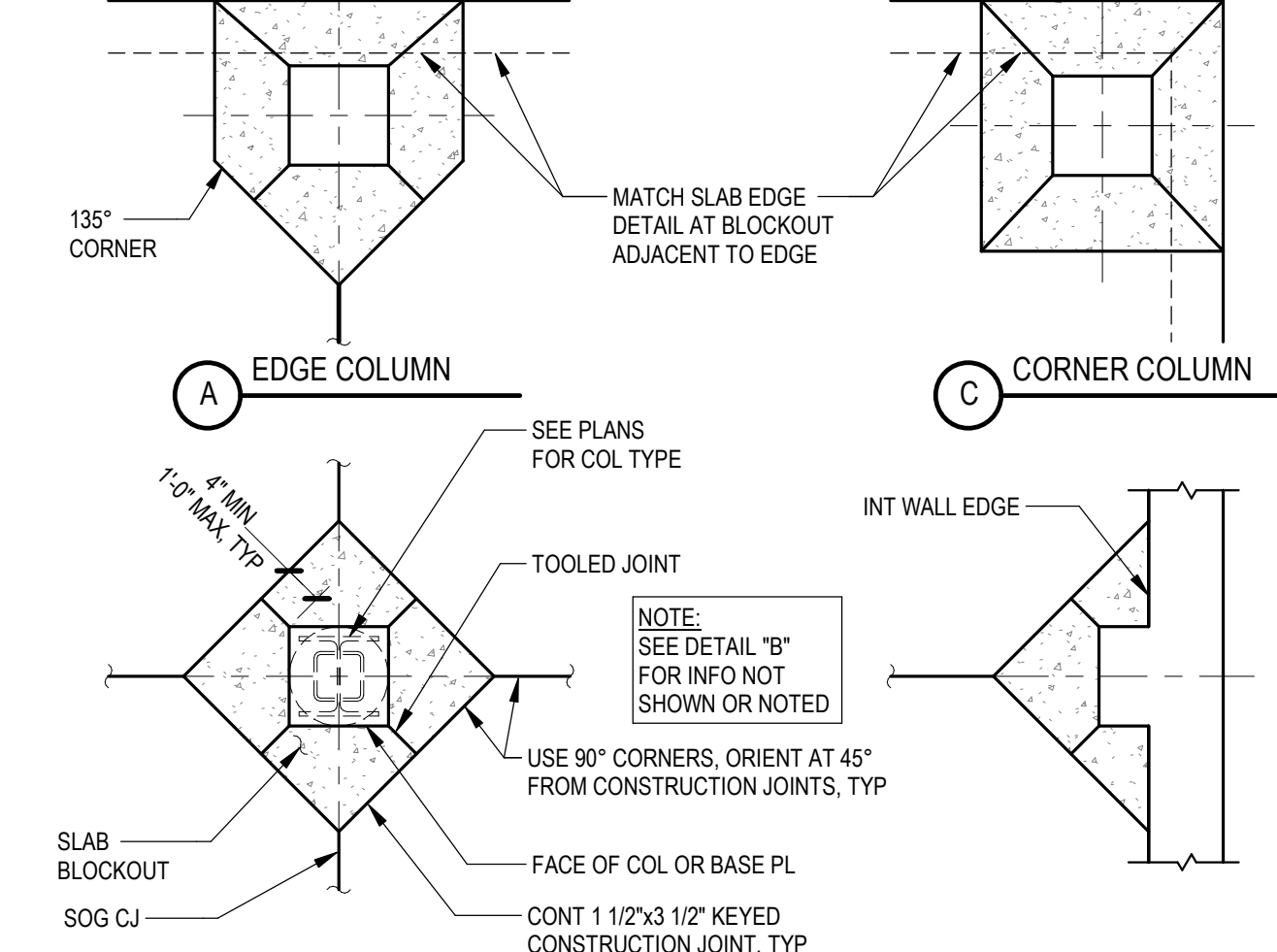
6 STEPPED FOOTING  
NTS 033100\_01-0100



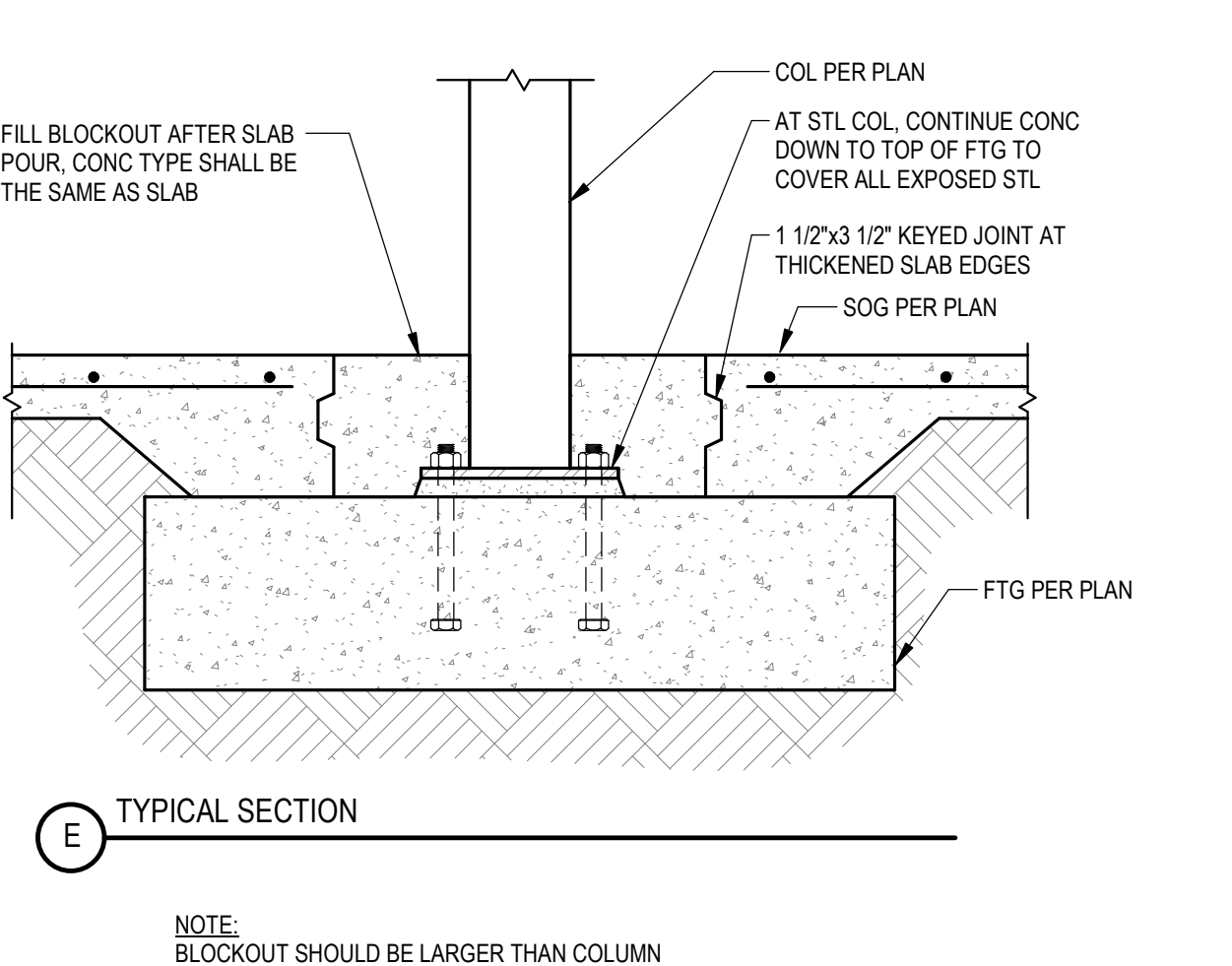
2 EXCAVATION PARALLEL TO FOOTINGS  
NTS 033100\_00-0102



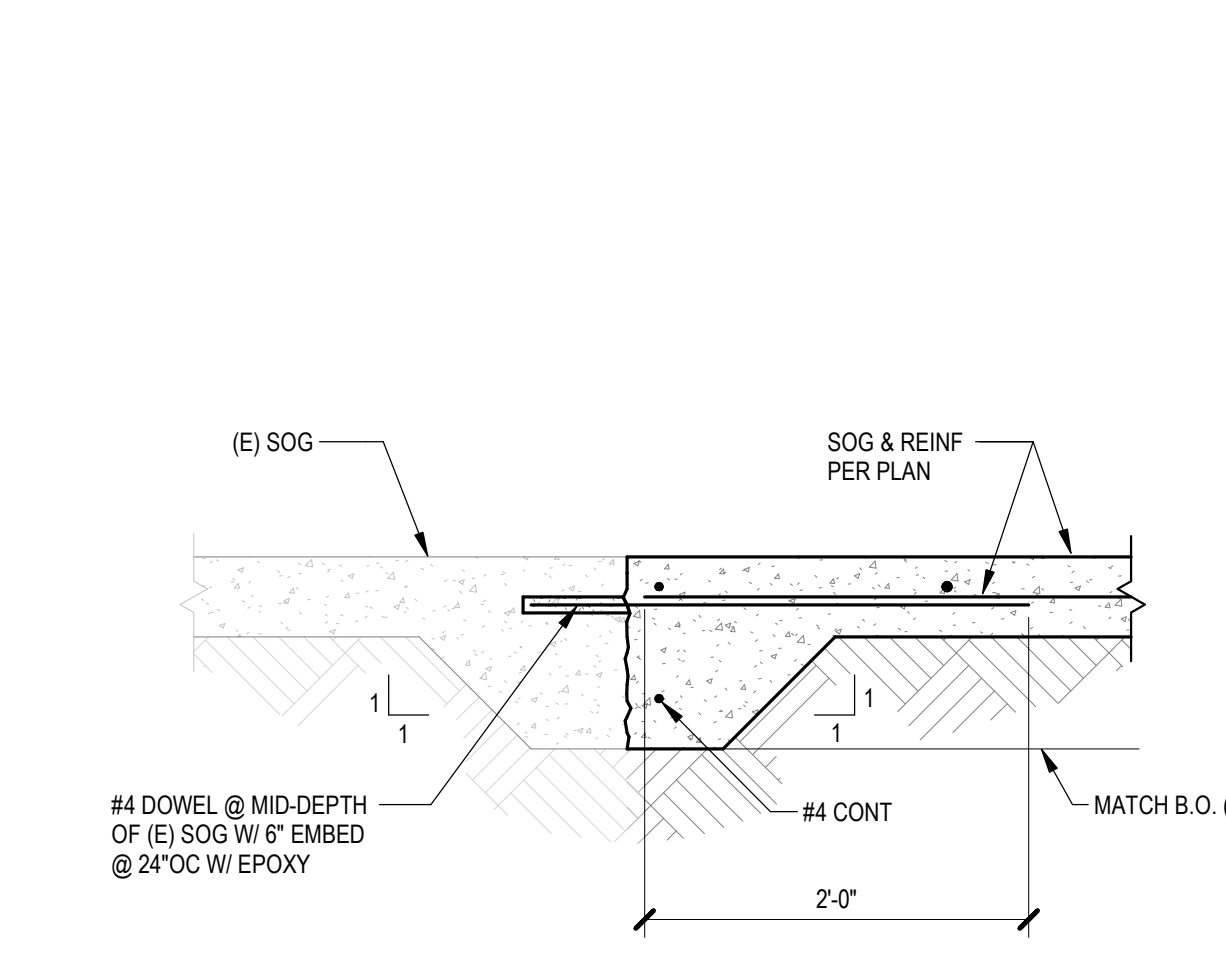
19 OPENING IN SLAB ON GRADE  
NTS 033100\_03-0103



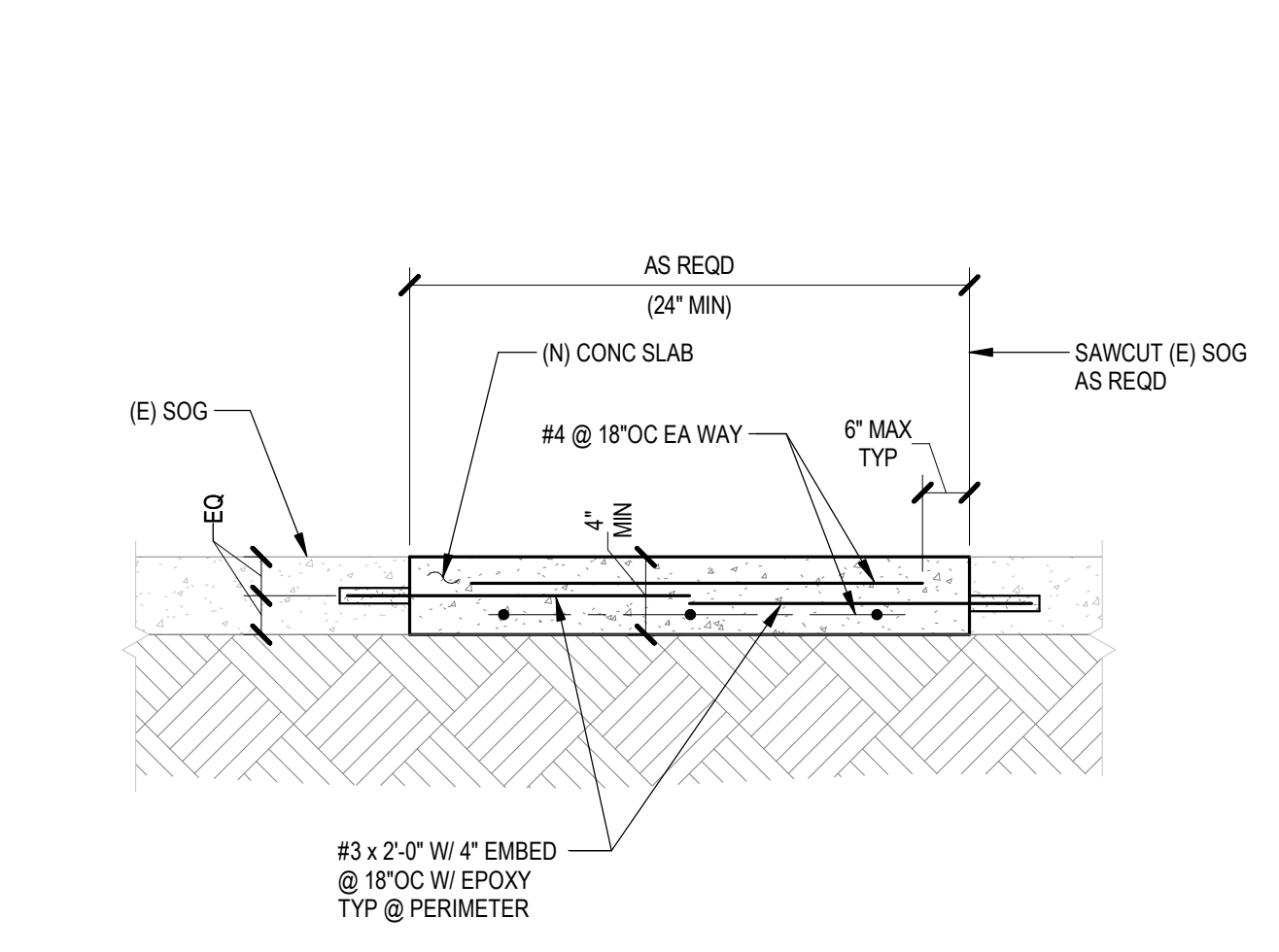
15 SLAB BLOCKOUT AT COLUMNS  
NTS 033100\_03-0101



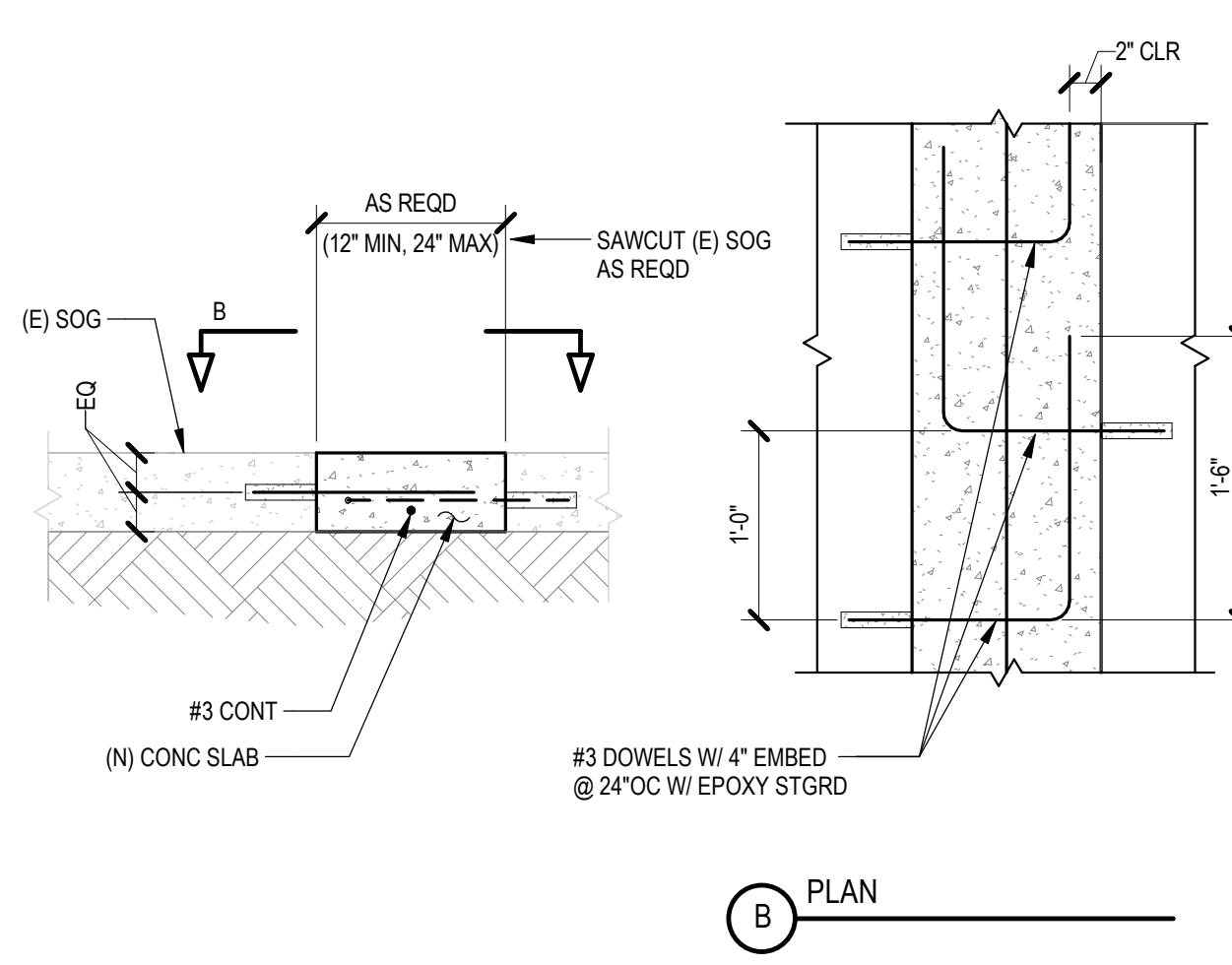
7 SLAB ON GRADE DETAILS  
NTS 033100\_03-0100



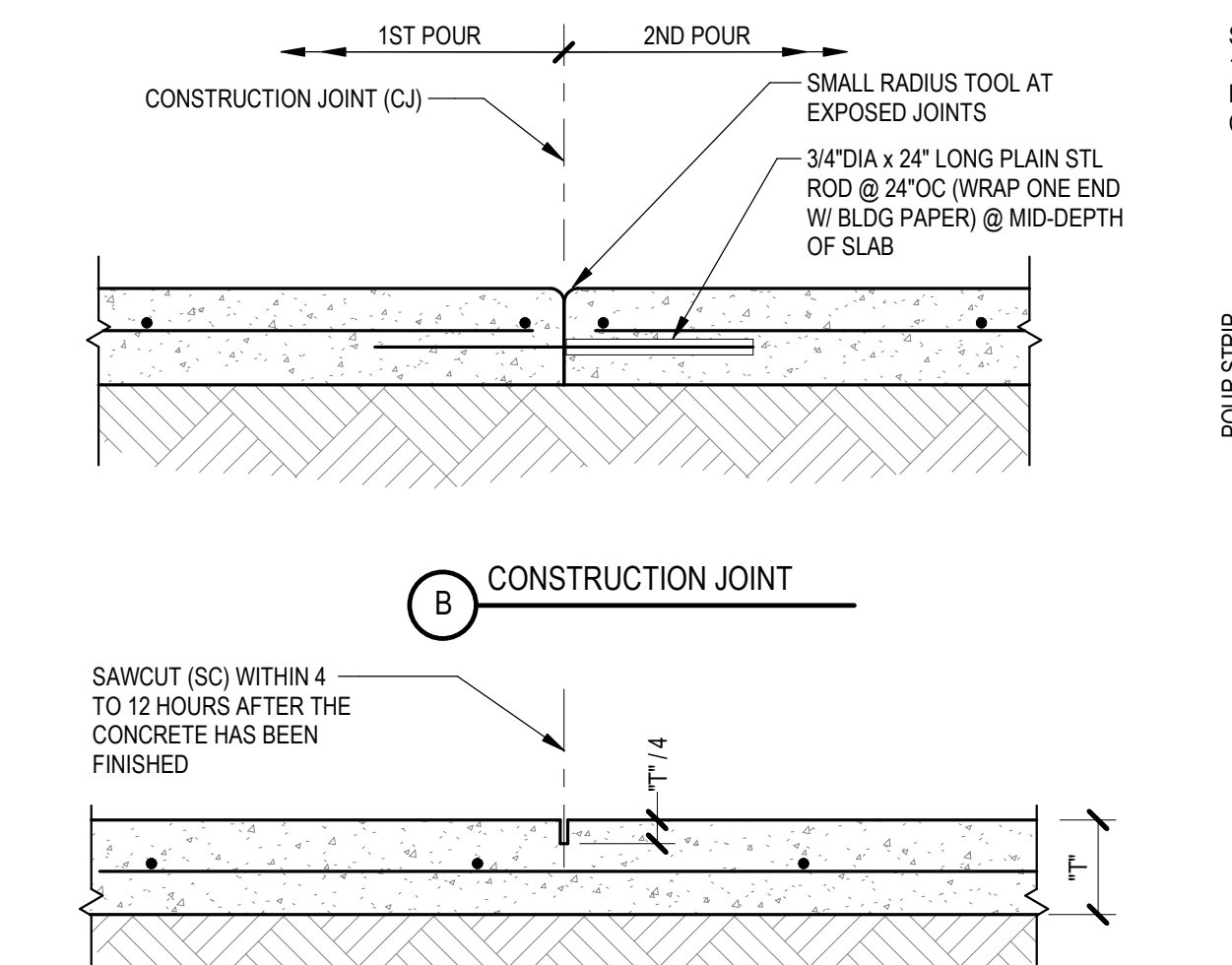
20 EDGE OF SLAB TO (E) SLAB  
NTS 030000-0103



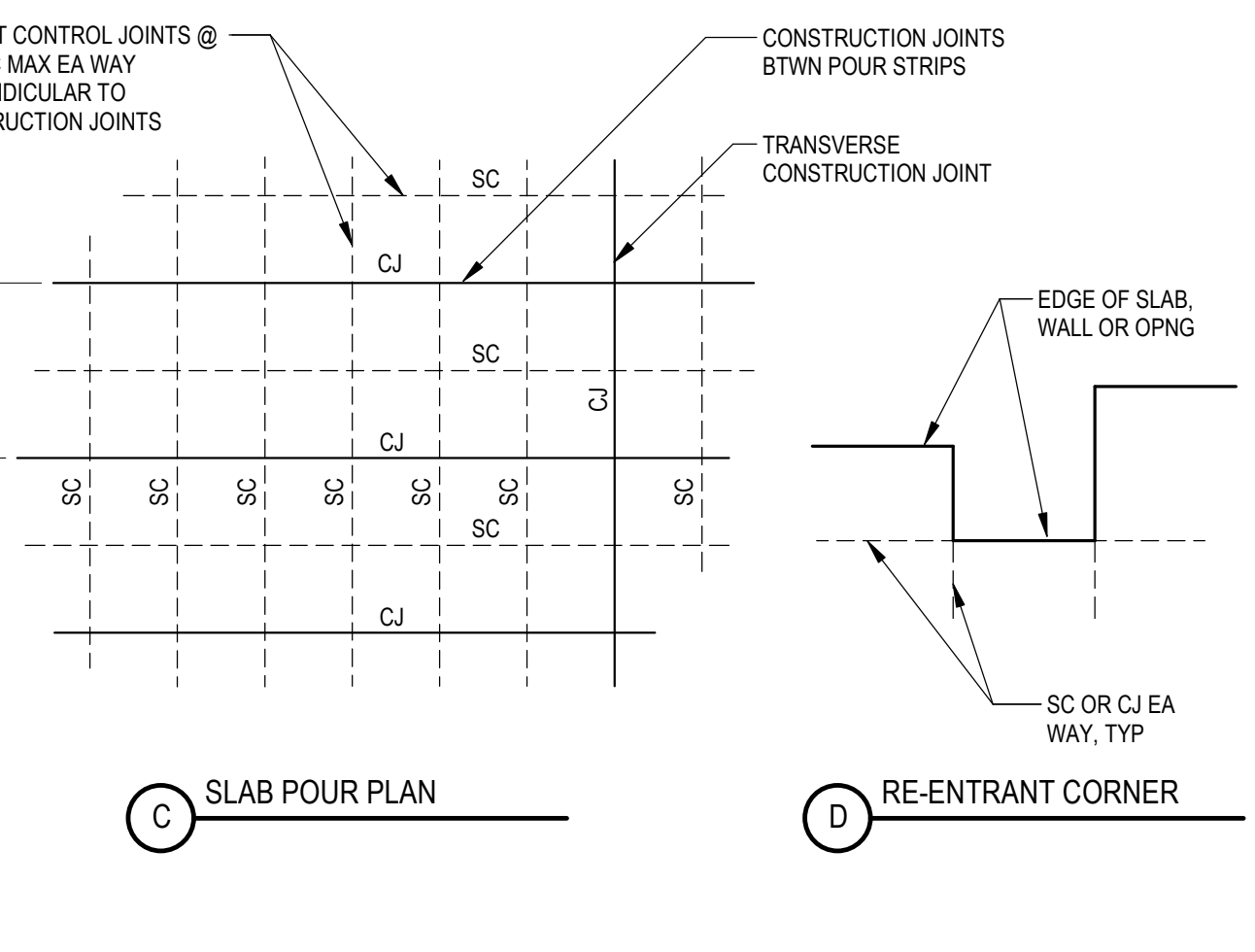
16 INTERIOR SAWCUT IN (E) SLAB  
NTS 030000-0106



12 NARROW INTERIOR SAWCUT IN (E) SLAB  
NTS 030000-0107



8 SLAB ON GRADE CONTROL JOINTS  
NTS 033100\_03-0102



NOTES:  
1. SEE ARCHITECTURAL PLANS FOR LOCATIONS OF VISUALLY EXPOSED CONTROL JOINTS.  
2. FOR POURING SEQUENCE OTHER THAN THAT SHOWN ON THESE PLANS, SUBMIT SHOP DRAWINGS TO SEOR FOR REVIEW 7 DAYS PRIOR TO POUR.

CONSULTANTS LOGO

**miyamoto.**

5500 Bathurst Drive, Suite 100 La Mesa, CA 91942 6022801-05-1020 T: (858) 270-8848 mmiyamoto@international.com

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**NOT FOR CONSTRUCTION**

NO.	DATE	REVISIONS
	11/15/2023	100% Design Development

PROJECT TITLE:

**Altadena Main Library**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

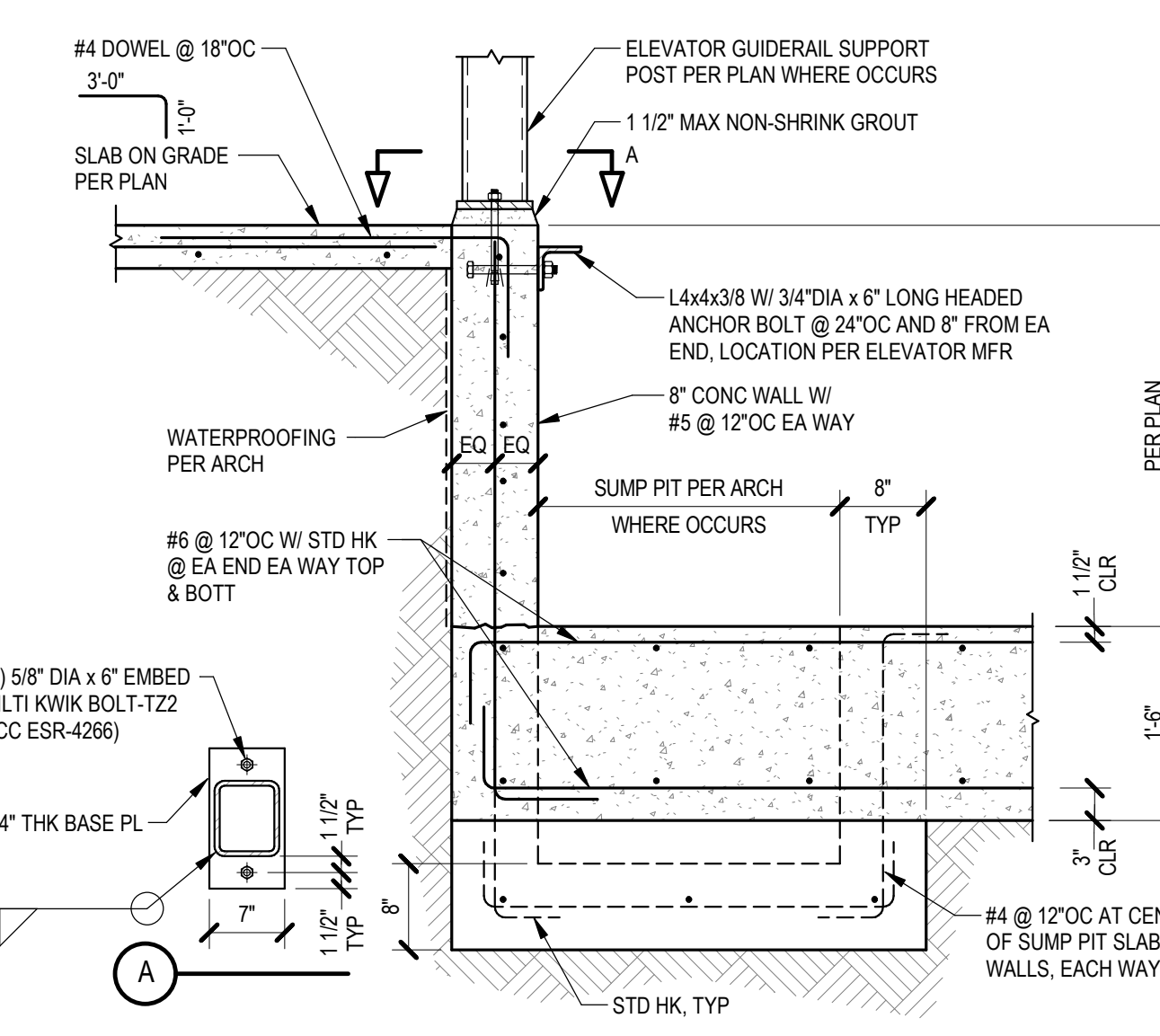
PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**TYPICAL FOUNDATION & SOG DETAILS**

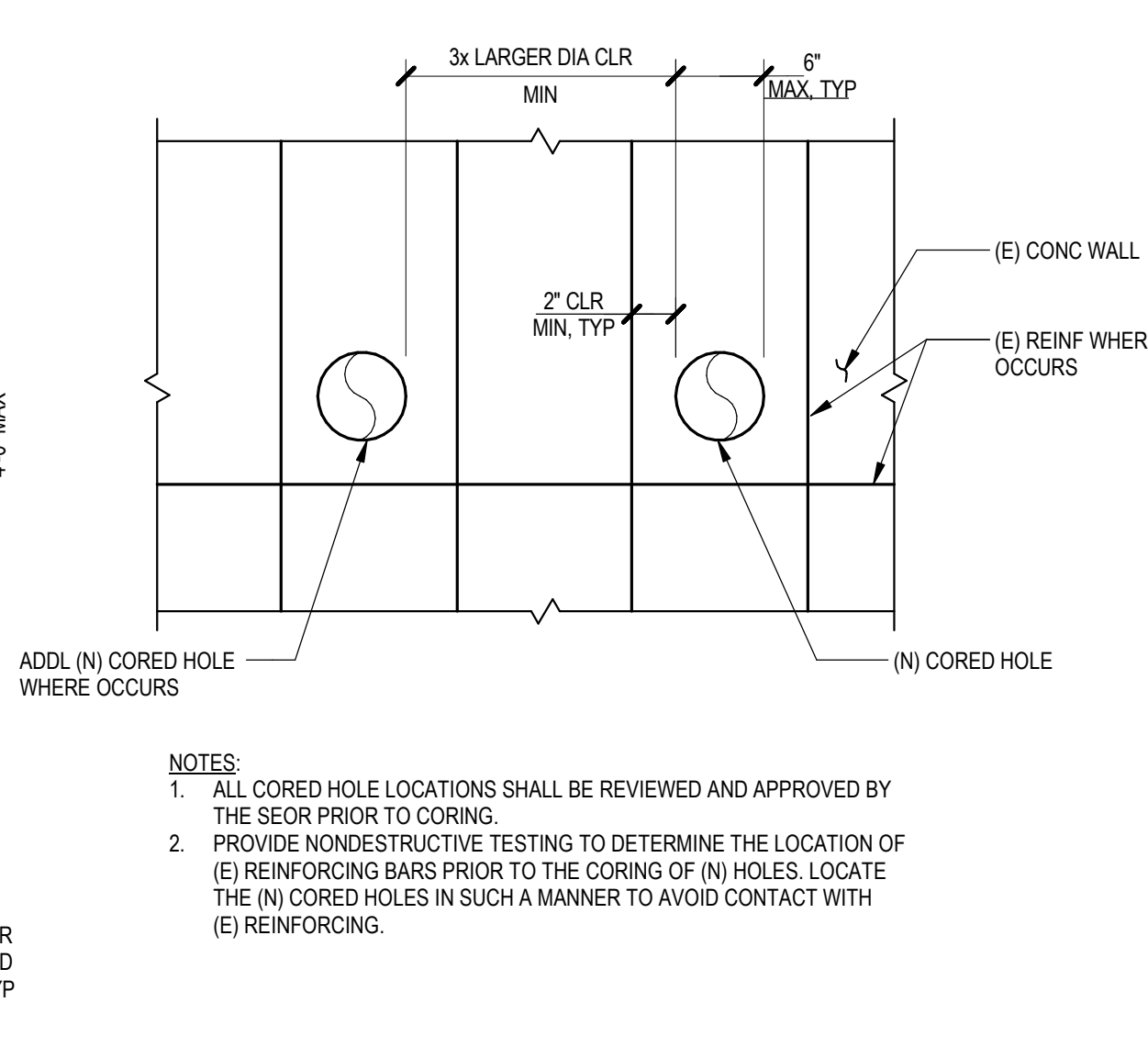
SCALE: As indicated

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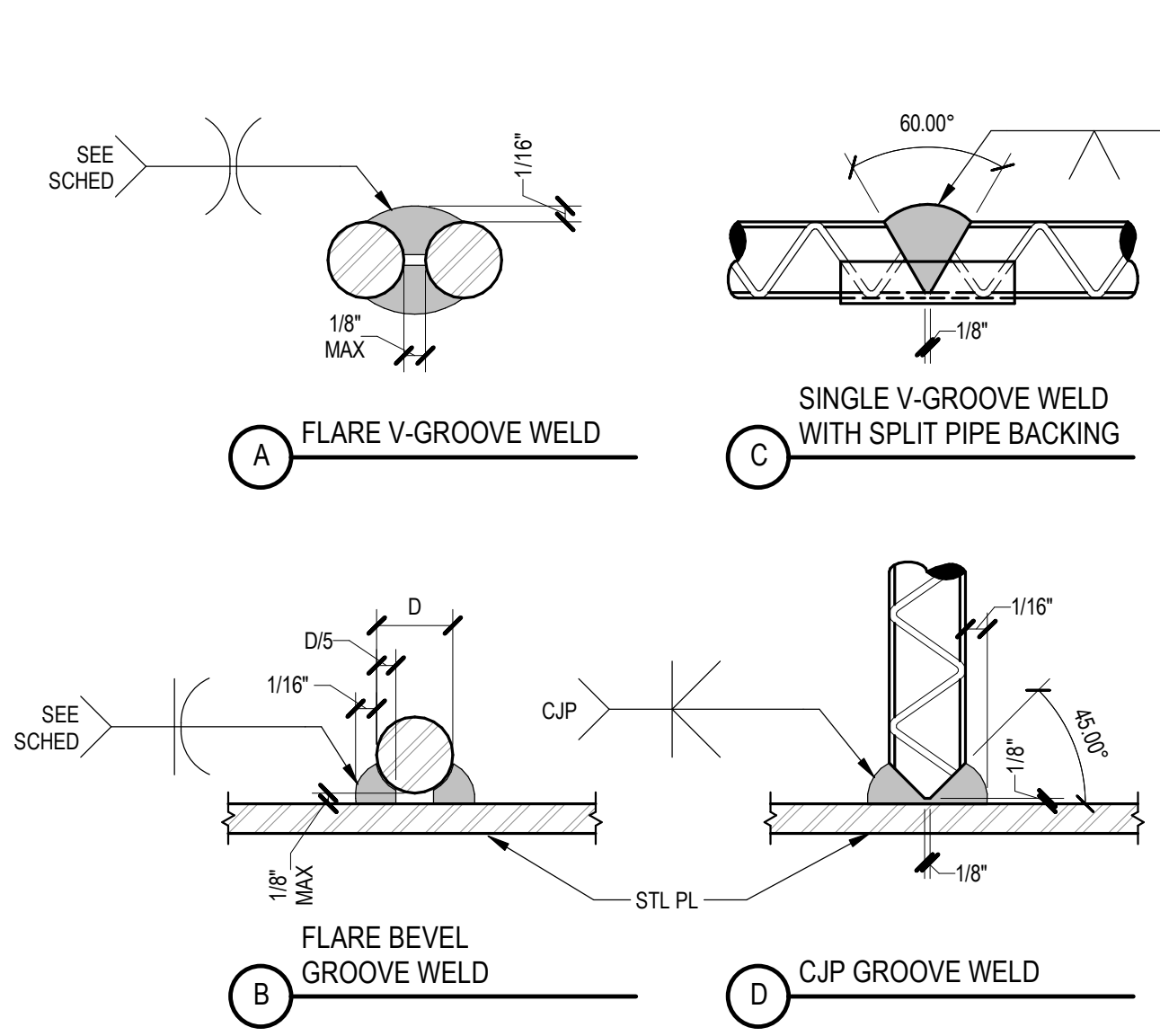
**13 STAIR STRINGER FTG (STAIR BY OTHERS)**  
NTS 055100-0101



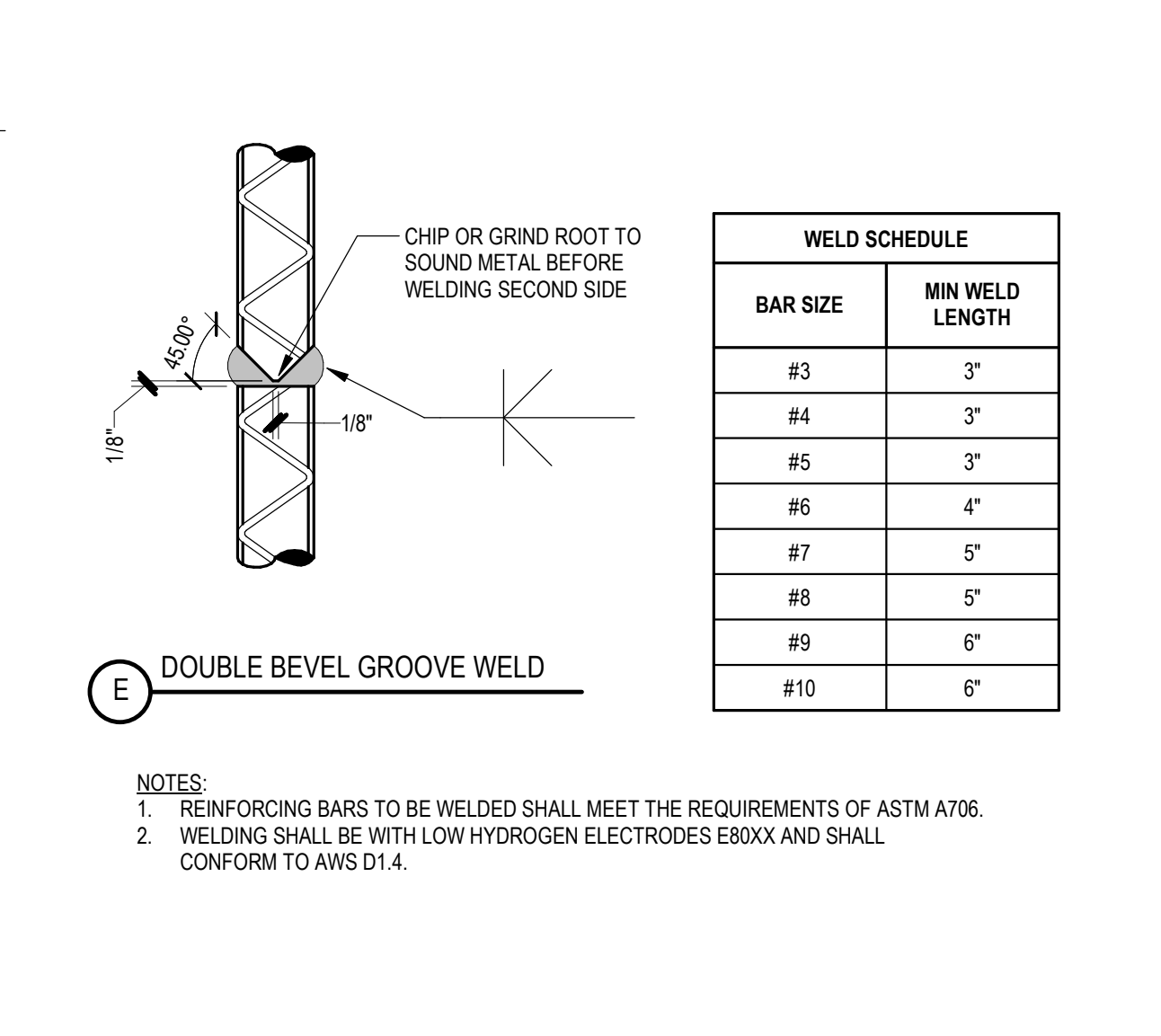
**9 GRADE BEAM TO SLAB**  
NTS 033100-02-0101



**5 CONCRETE REINFORCEMENT DETAILS & DEVELOPMENT LENGTHS**  
NTS 032000-0100



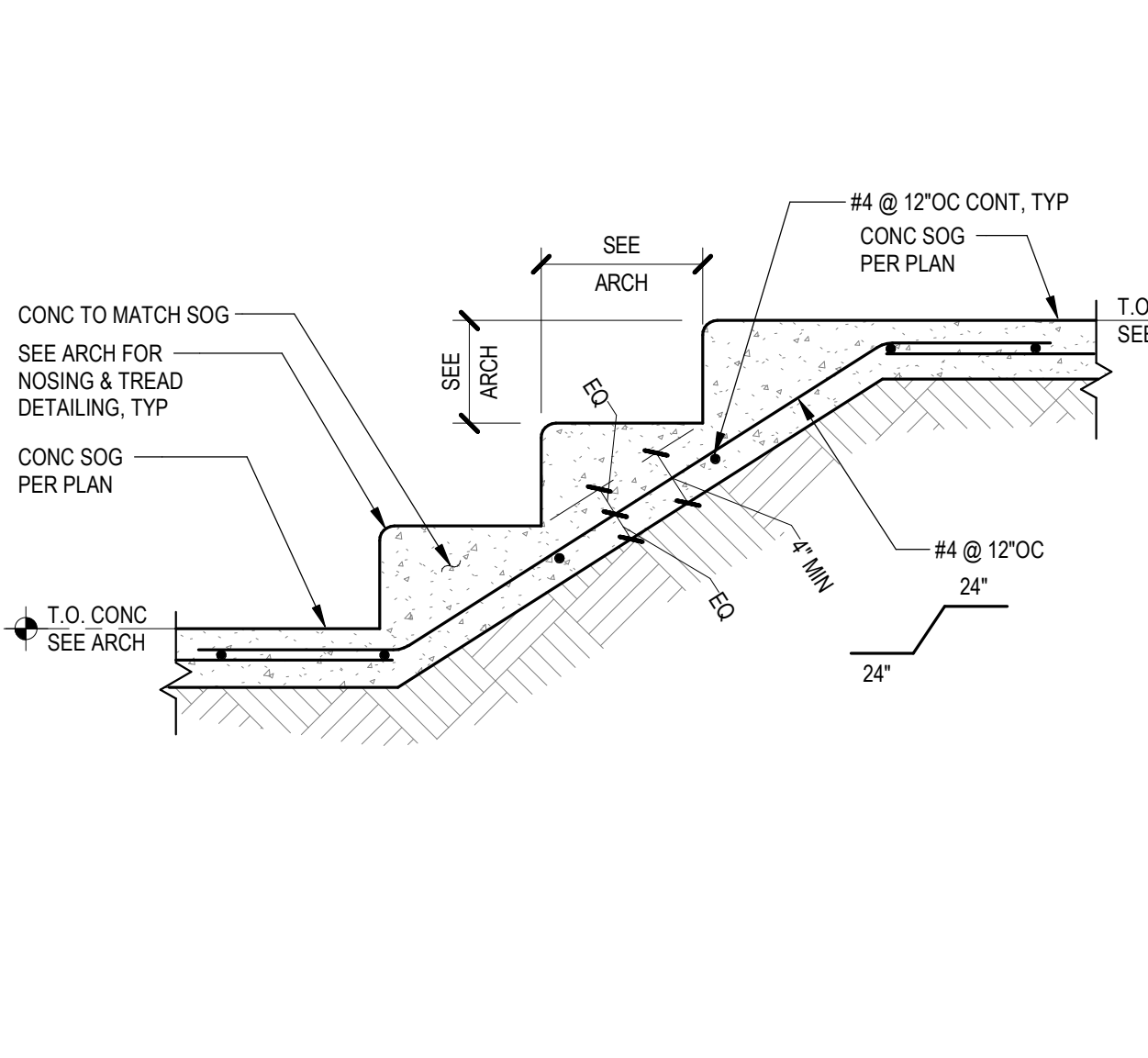
**3 CONCRETE WALL & FTG INTERSECTIONS**  
NTS 032000-0102



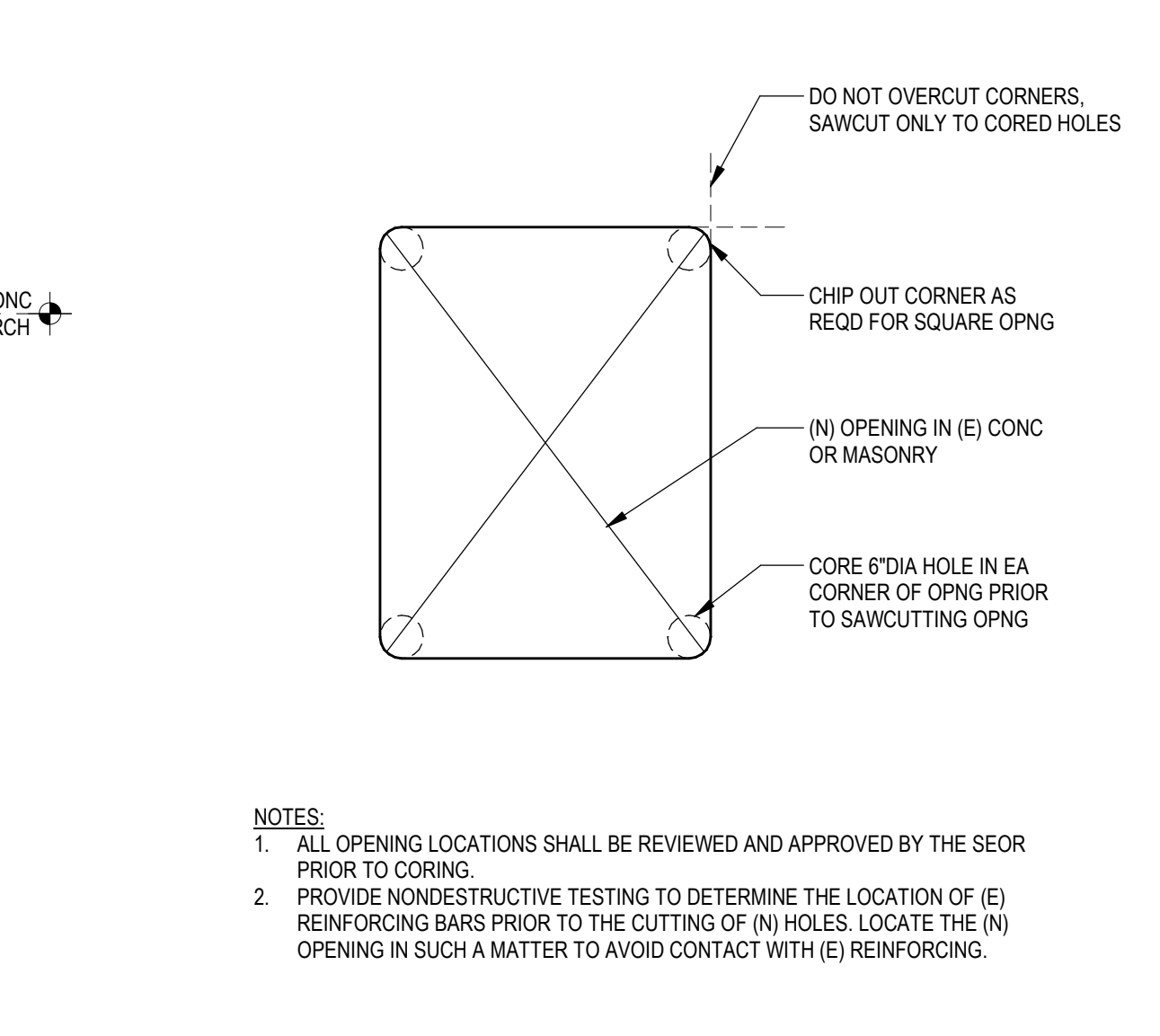
**14 ELEVATOR PIT**  
NTS 142000-0100



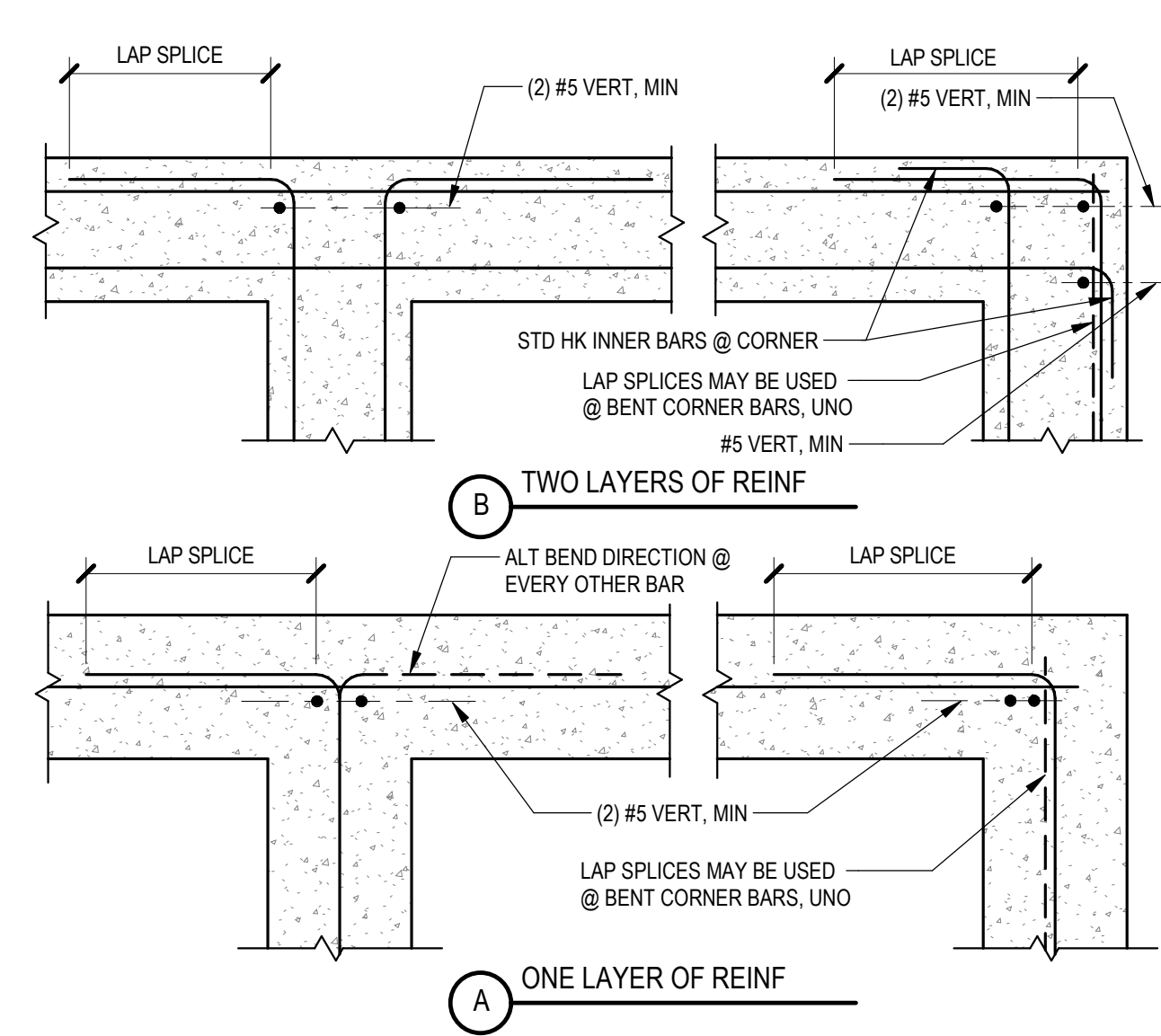
**10 NEW CORED HOLES IN EXISTING CONC**  
NTS 030000-0101



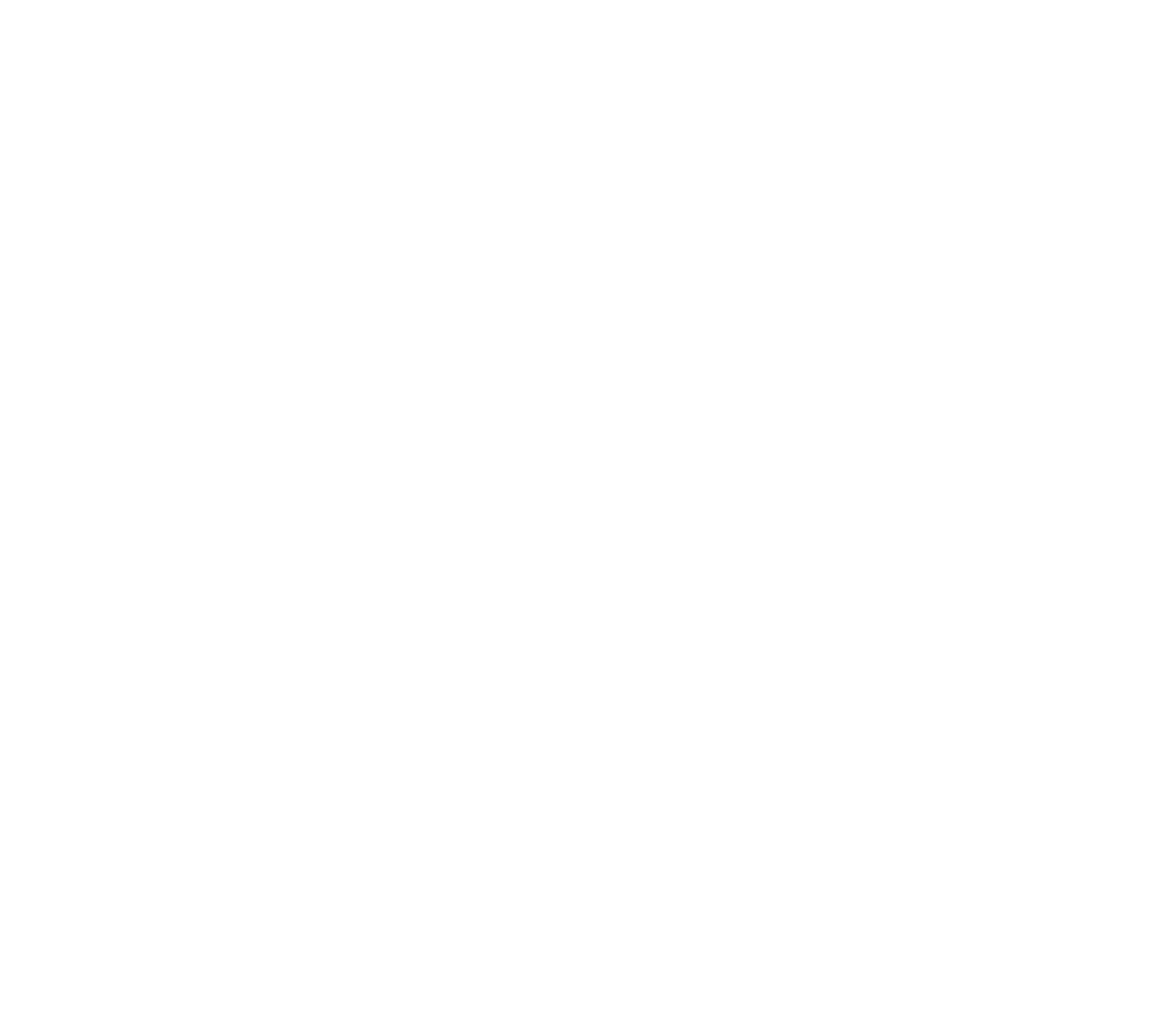
**6 REINFORCING BAR WELDING**  
NTS 032000-0101



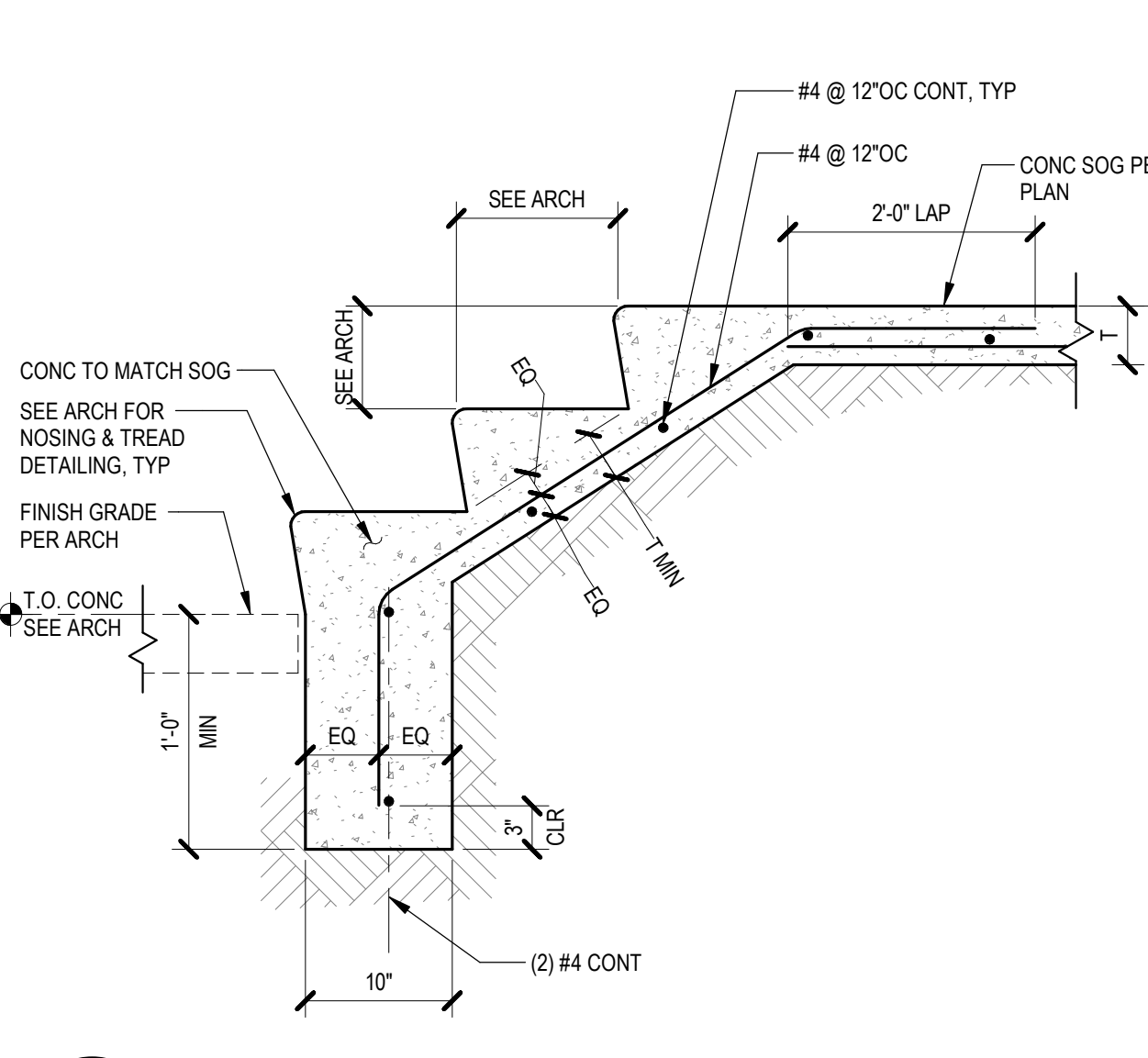
**7 SAWCUT OPENING**  
NTS 030000-0100



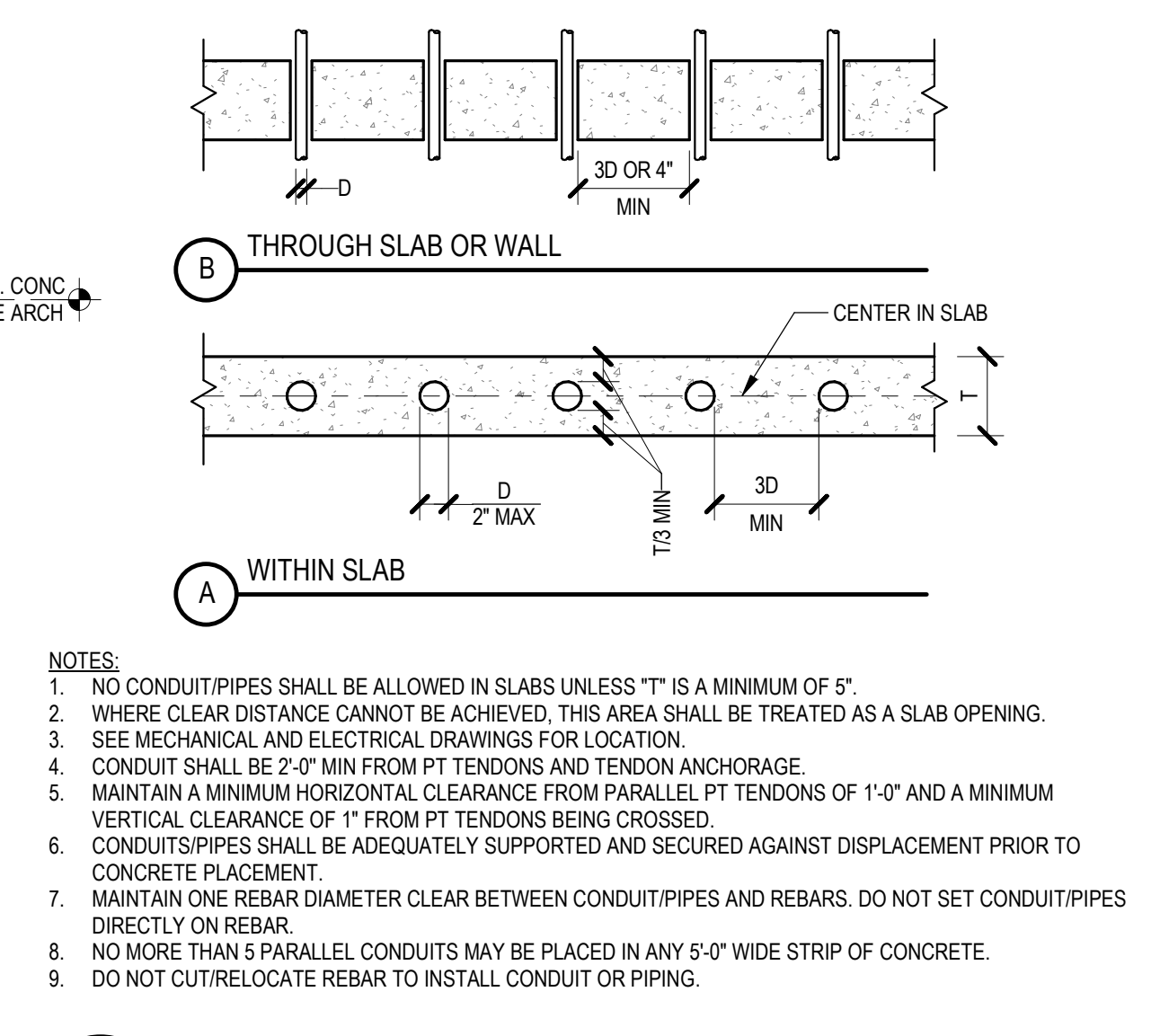
**11 INTERIOR STAIR ON GRADE**  
NTS 033053-02-0102



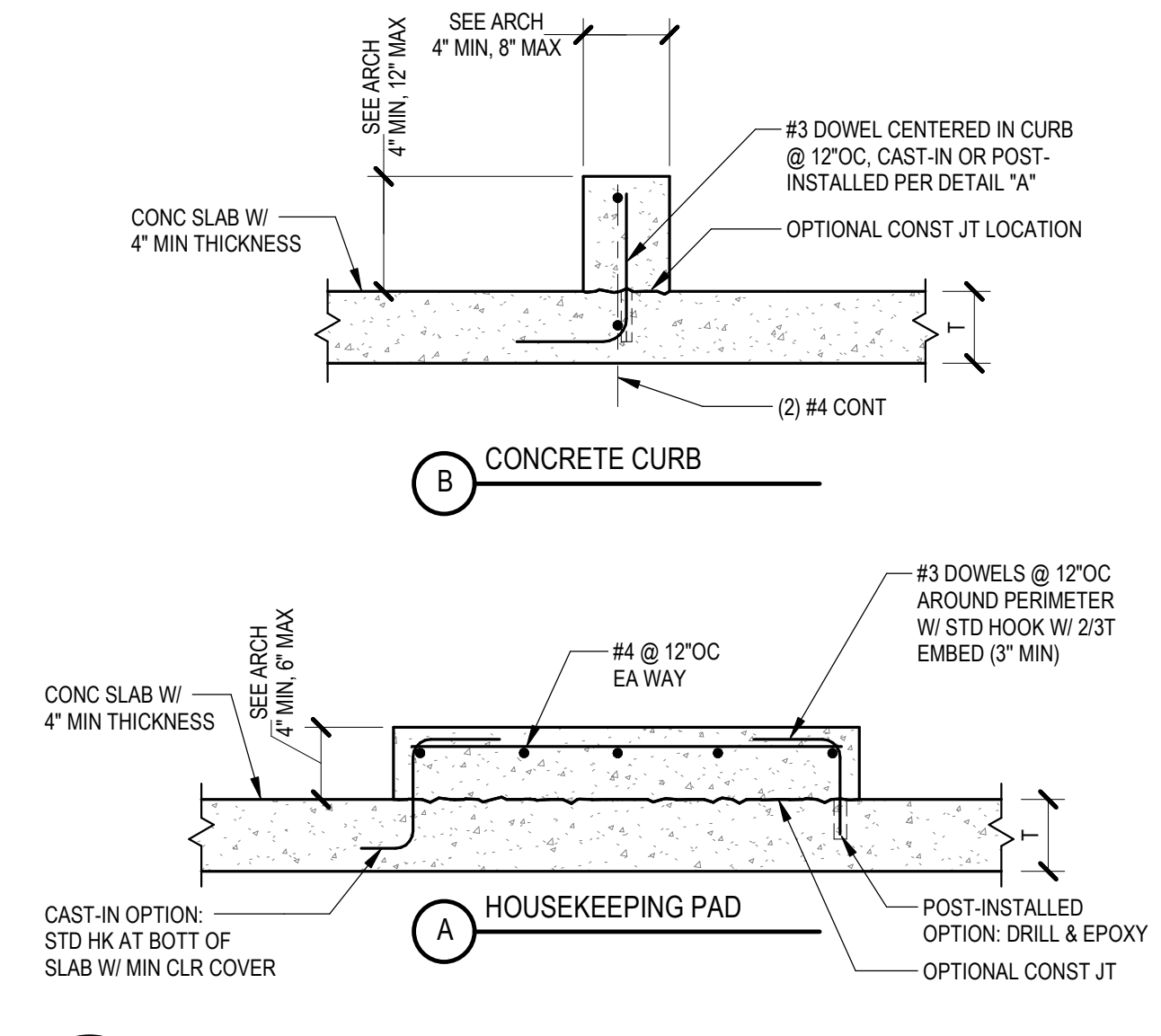
**12 STAIR ON GRADE**  
NTS 033053-02-101



**8 PIPES/CONDUITS IN/THRU SLAB & WALL**  
NTS 033100-00-0100



**4 CONCRETE PAD & CURB**  
NTS 033053-01-0100



CONSULTANTS LOGO

**miyamoto.**

5500 Baltimore Drive, Suite 100  
La Mesa, CA 91942  
M5229801-05-1-020

T: (858) 270-8848  
myamoto@miyamoto.com

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NO.	DATE	REVISIONS
1	11/15/2023	100% Design Development

PROJECT TITLE:

**Altadena Main Library**

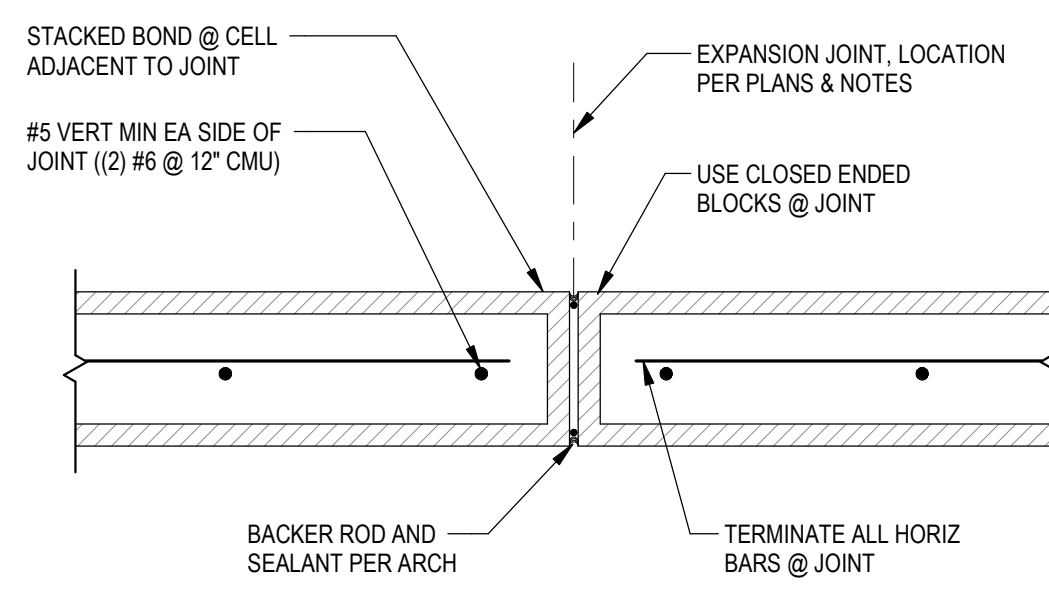
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**TYPICAL CONCRETE DETAILS**

SCALE: As indicated

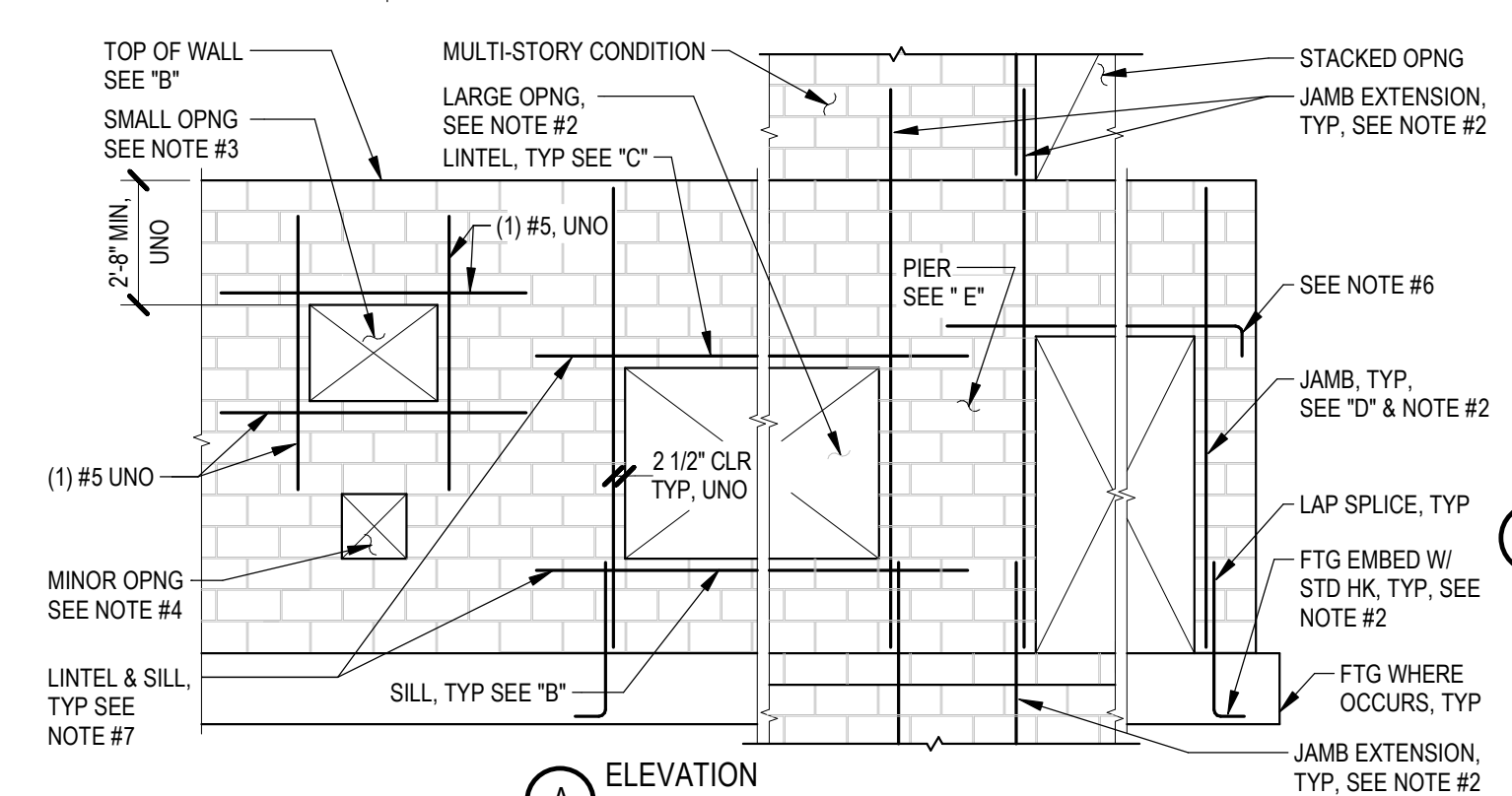
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NOTE:  
DO NOT SUBSTITUTE EXPANSION JOINTS FOR CONTROL JOINTS. USE ONLY WHERE SPECIFICALLY NOTED.

## 9 CMU WALL EXPANSION JOINT

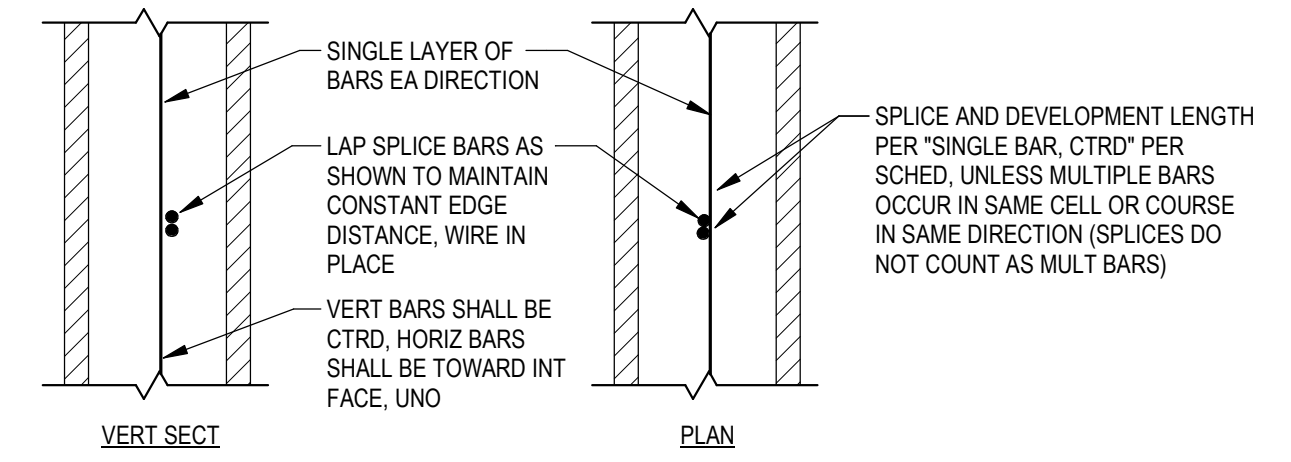
NTS 042200-0104



- NOTES:
- SEE PLANS FOR TYPICAL AND ADDITIONAL REINFORCEMENT.
  - FOR OPENINGS 36\"/>

## 5 REINFORCEMENT FOR CMU WALL OPENINGS

NTS 042200-0100

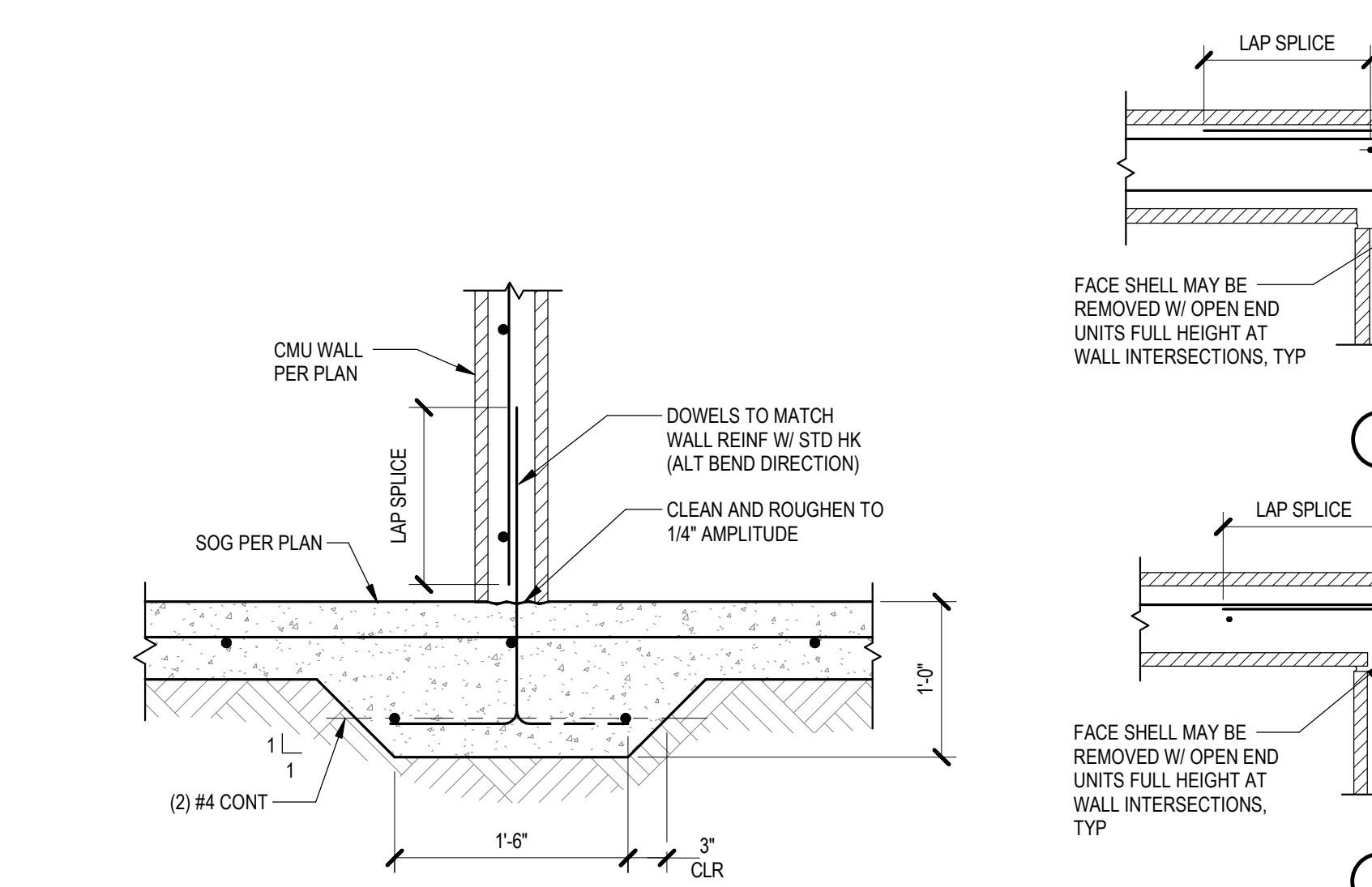


BAR SIZE	STD HOOK L <sub>h</sub> (IN)	LAP SPICE (IN) UNO		DEVELOPMENT LENGTH L <sub>d</sub> (IN) UNO
		72D <sub>s</sub> (IN)	EDGE BAR / MULT BARS	
#3	11	27	16	15
#4	14	36	25	20
#5	17	45	39	25
#6	30	54	54	39
#7	39	63	63	50
#8	59	72	72	72
#9	66	81	81	81

- NOTES:
- VALUES ARE FOR GRADE 60 REINF DEVELOPED IN CMU (f<sub>m</sub> = 2000 PSI).
  - VALUES MAY NOT BE USED FOR DEVELOPMENT INTO CONCRETE.

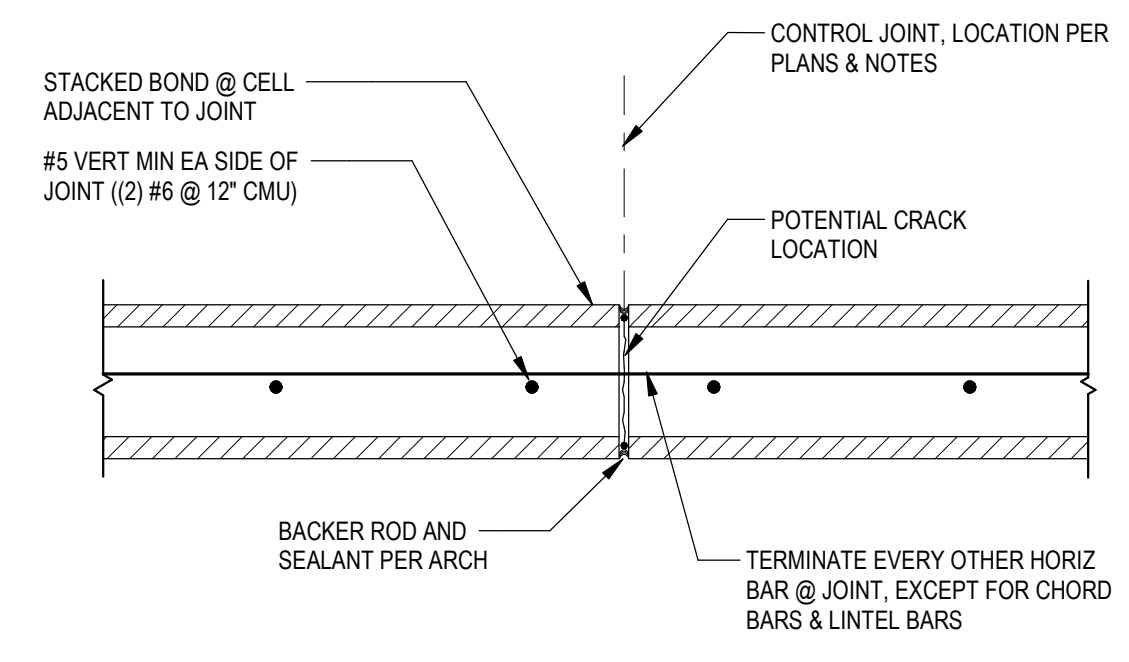
## 6 CMU REINFORCEMENT DETAILS & DEVELOPMENT LENGTHS

NTS 042200-0101



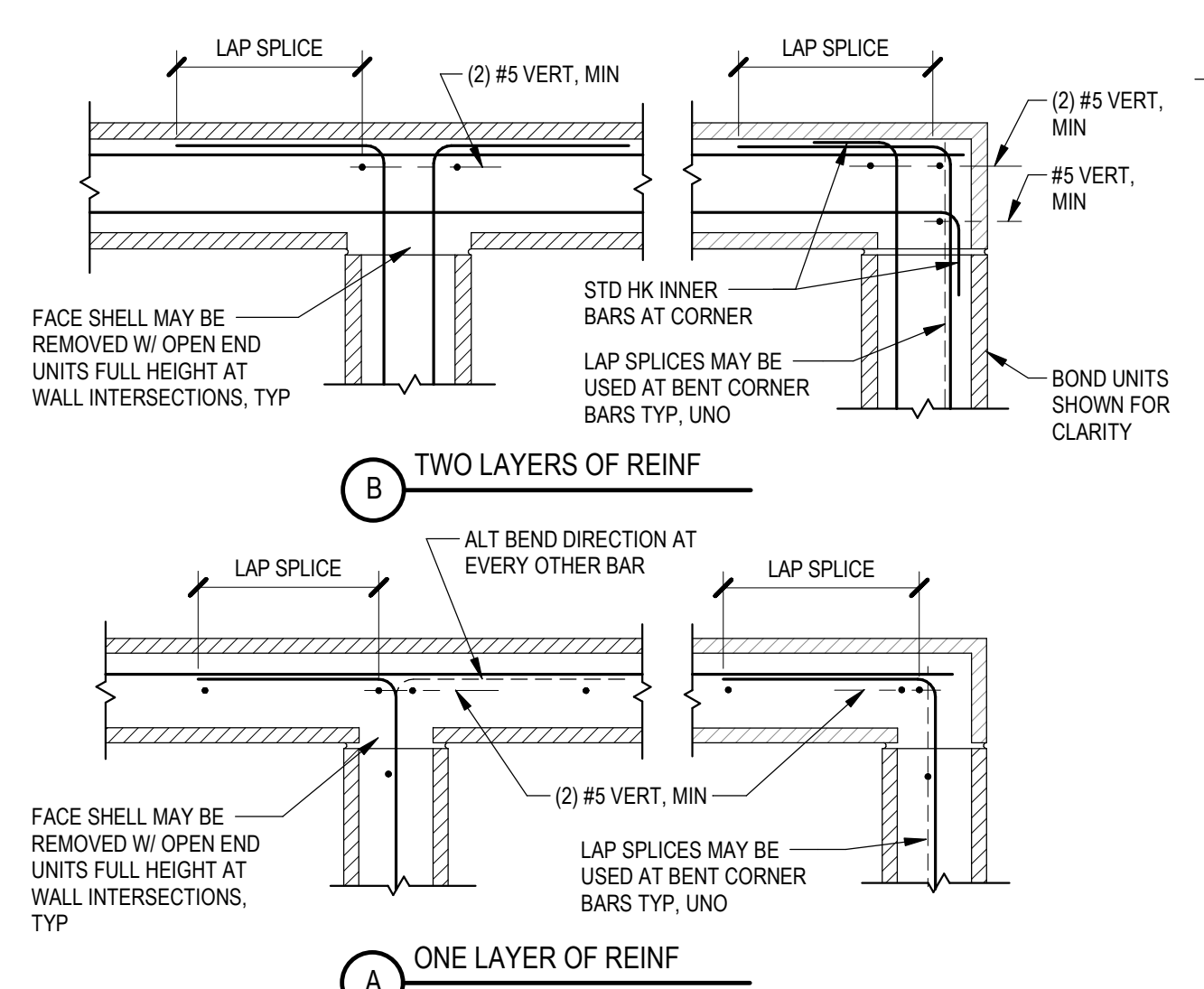
## 7 NON-BEARING CMU WALL FTG

NTS 042200-0108



## 8 CMU WALL CONTROL JOINT

NTS 042200-0103



## 3 CMU WALL INTERSECTIONS

NTS 042200-0107

BOLT SIZE	BOLT EMBED SCHEDULE	
	EMBEDMENT HORIZ	EMBEDMENT VERT
1/2\"/>		

\* NOT ALLOWED IN 8\"/>

NOTE:  
DO NOT PLACE BOLTS IN FACE OF WALL WITHIN 12\"/>

## 4 HEADED BOLT IN CMU WALL

NTS 042200-0105

CONSULTANTS LOGO

### miyamoto.

5500 Bathurst Drive, Suite 100 La Mesa, CA 91942 602.280.01.05 - +03

T: (858) 270-8848  
myamoto@national.com

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NO.	DATE	REVISIONS
1	11/15/2023	100% Design Development

PROJECT TITLE:

### Altadena Main Library

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

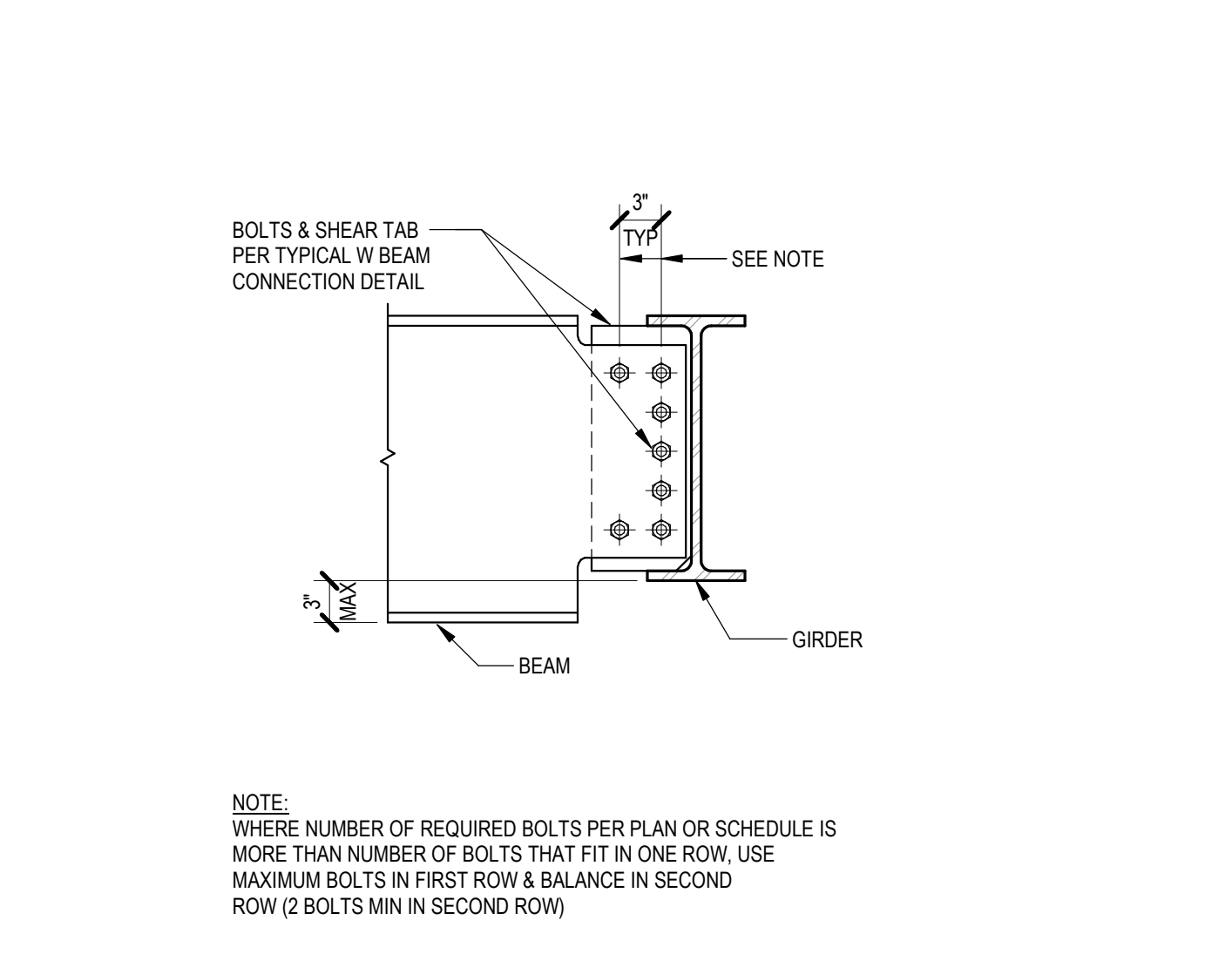
## TYPICAL MASONRY DETAILS

SCALE: As indicated

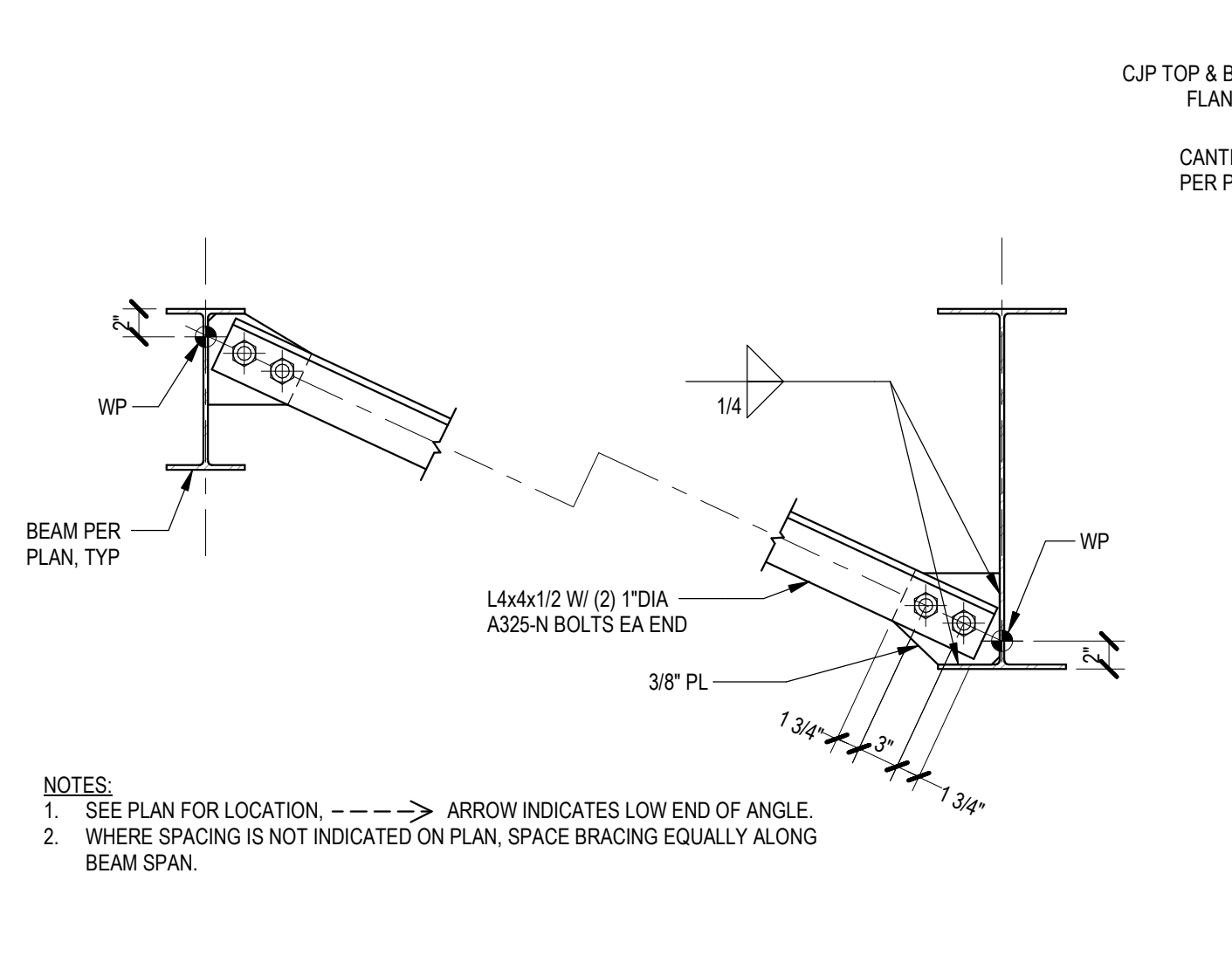
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**17 W BEAM TO HSS COL MOMENT CONNECTION**  
NTS 051200\_01-0103



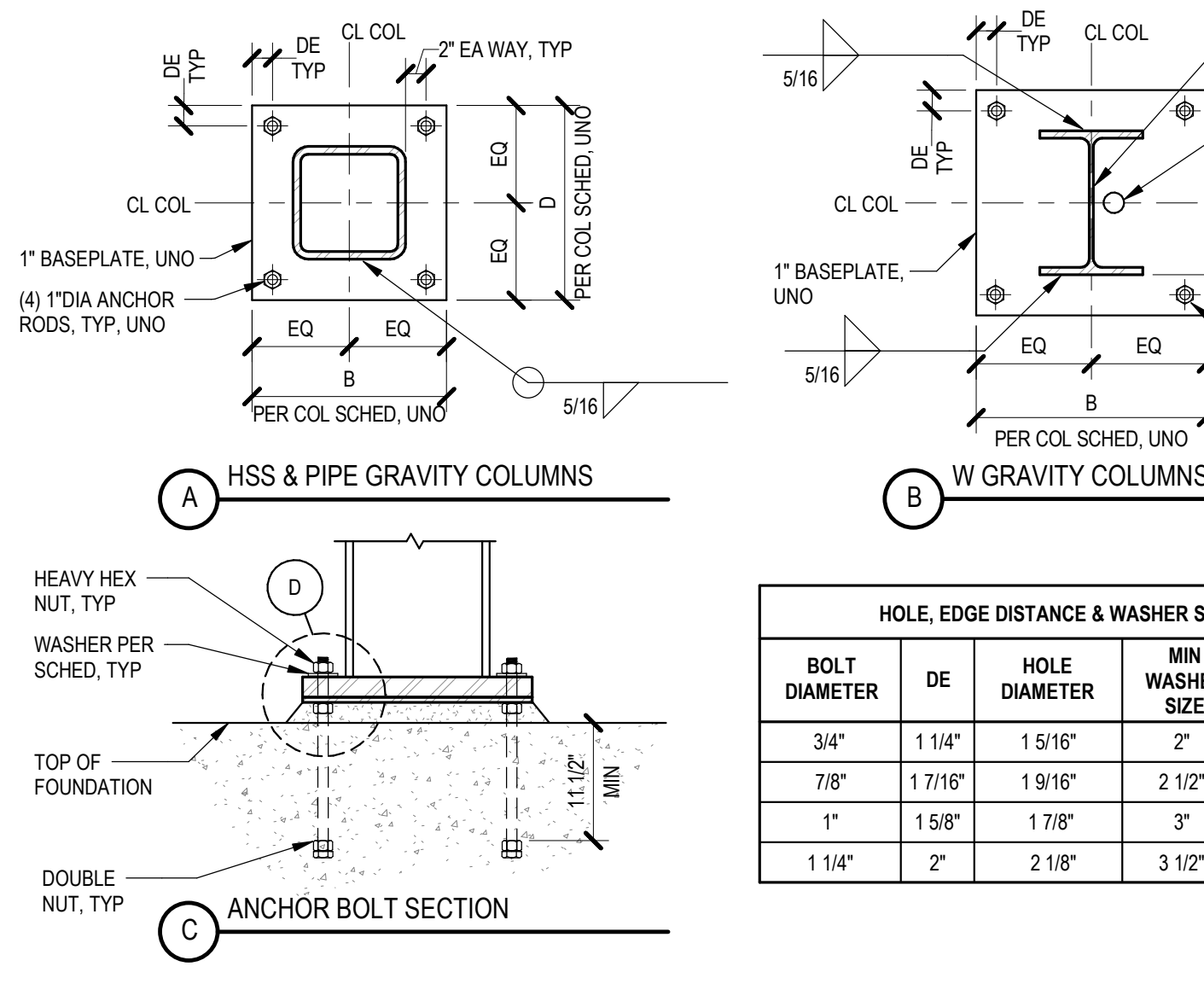
**13 W BEAM TO W COL & GIRDER CONNECTIONS**  
NTS 051200\_02-0102



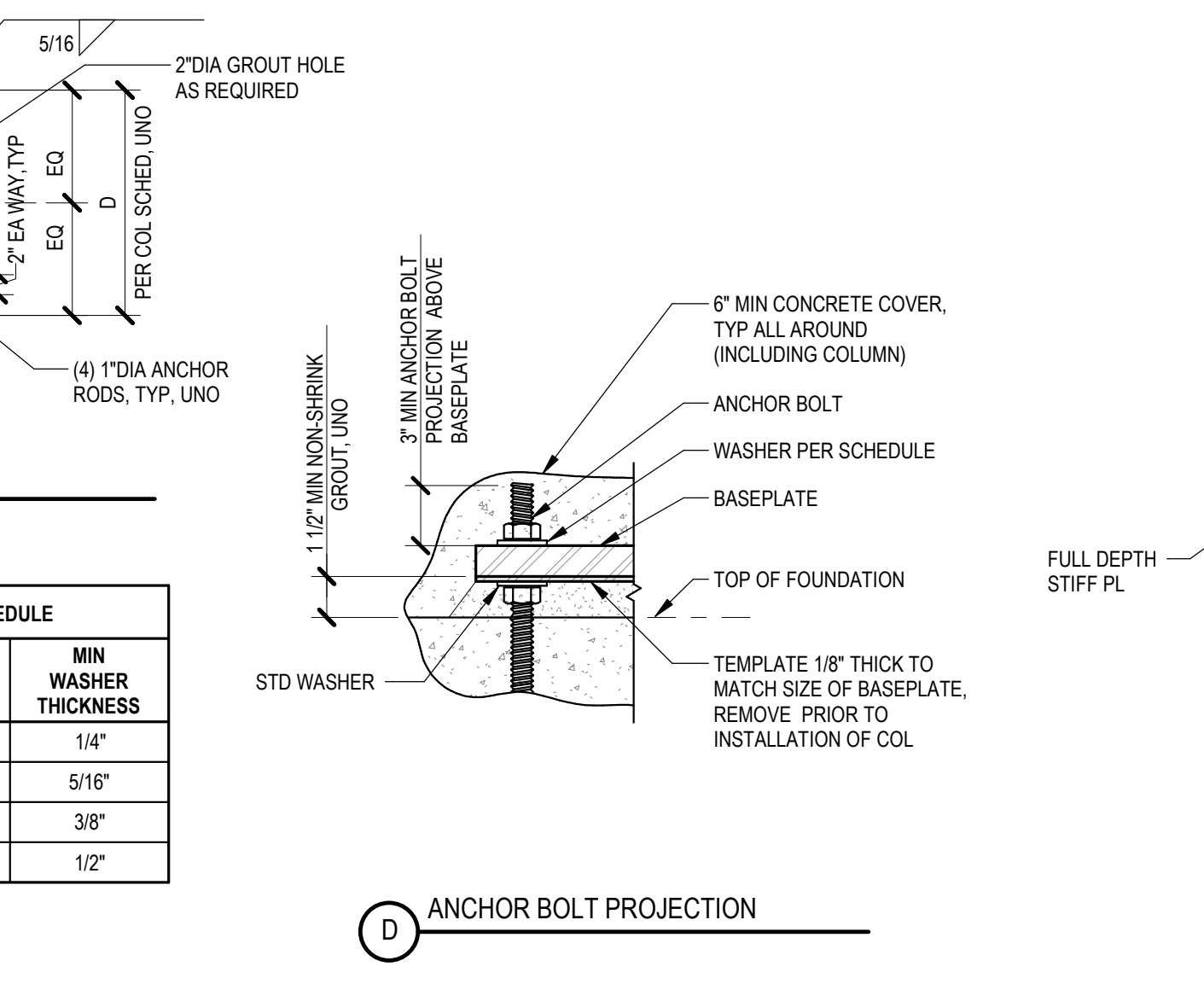
**18 GIRDER SHALLOWER THAN BEAM**  
1\" = 1'-0\"



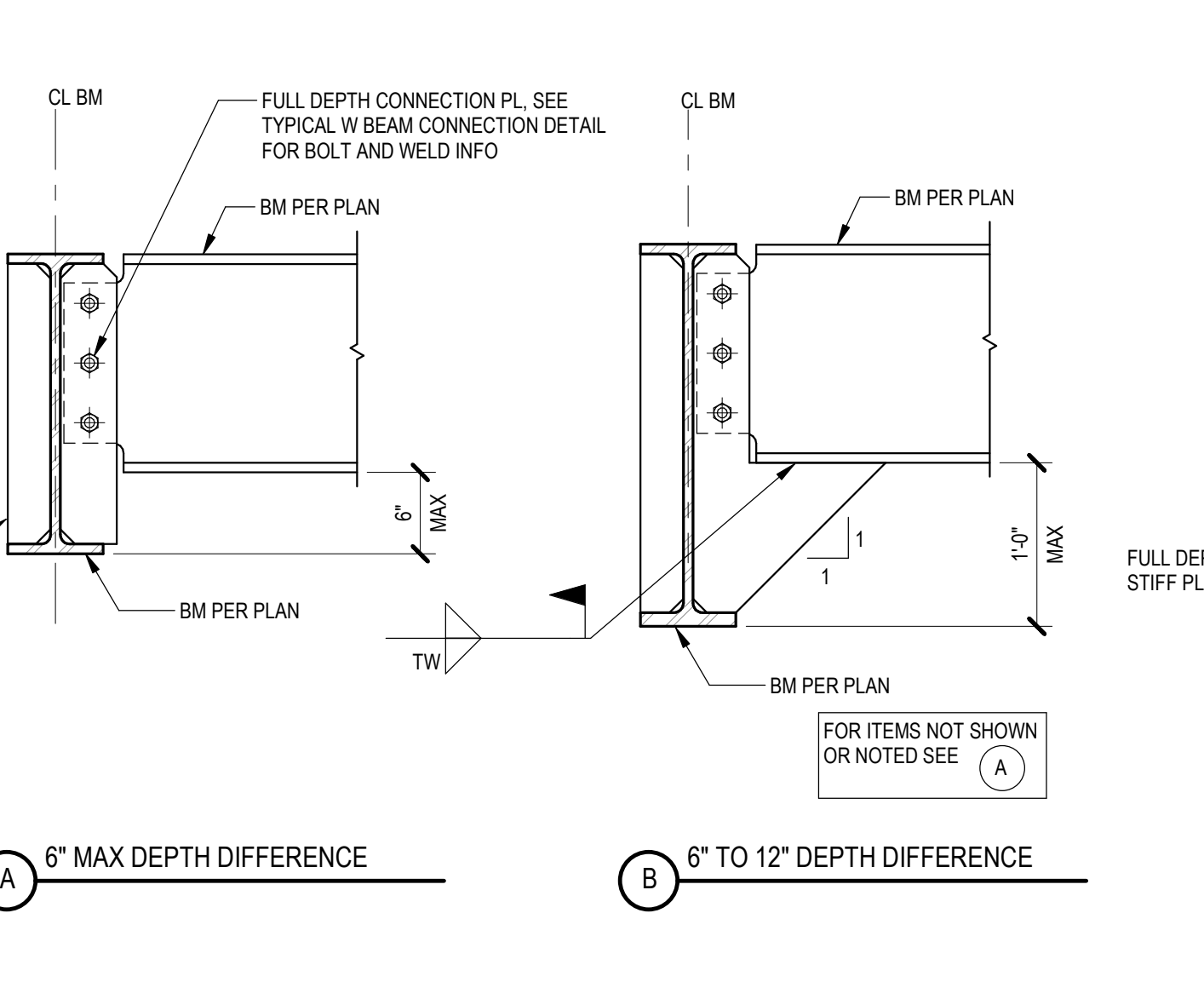
**14 BOTTOM FLANGE KICKER**  
NTS 051200\_02-0105



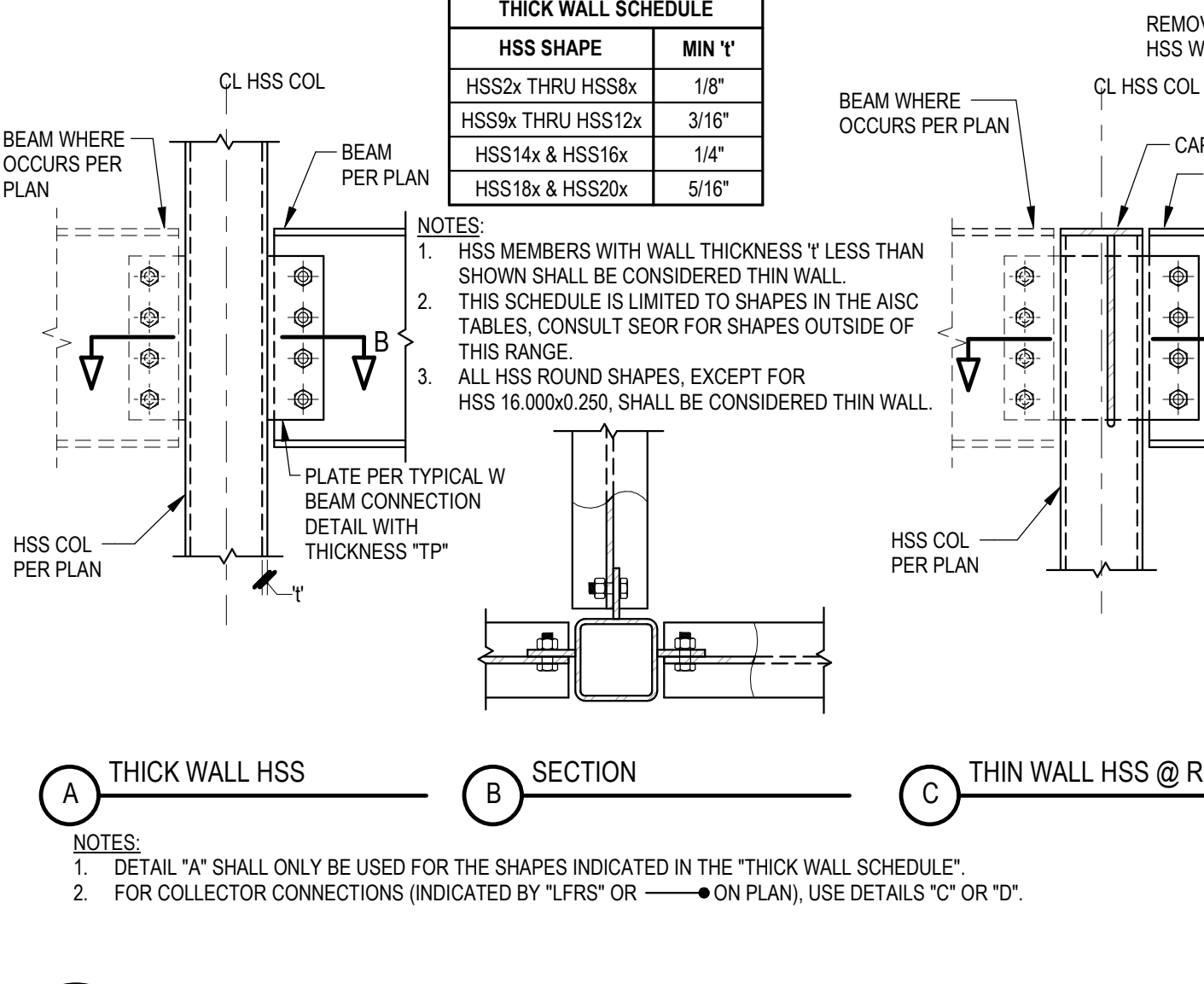
**10 CANTILEVER CONNECTIONS**  
NTS 051200\_02-0109



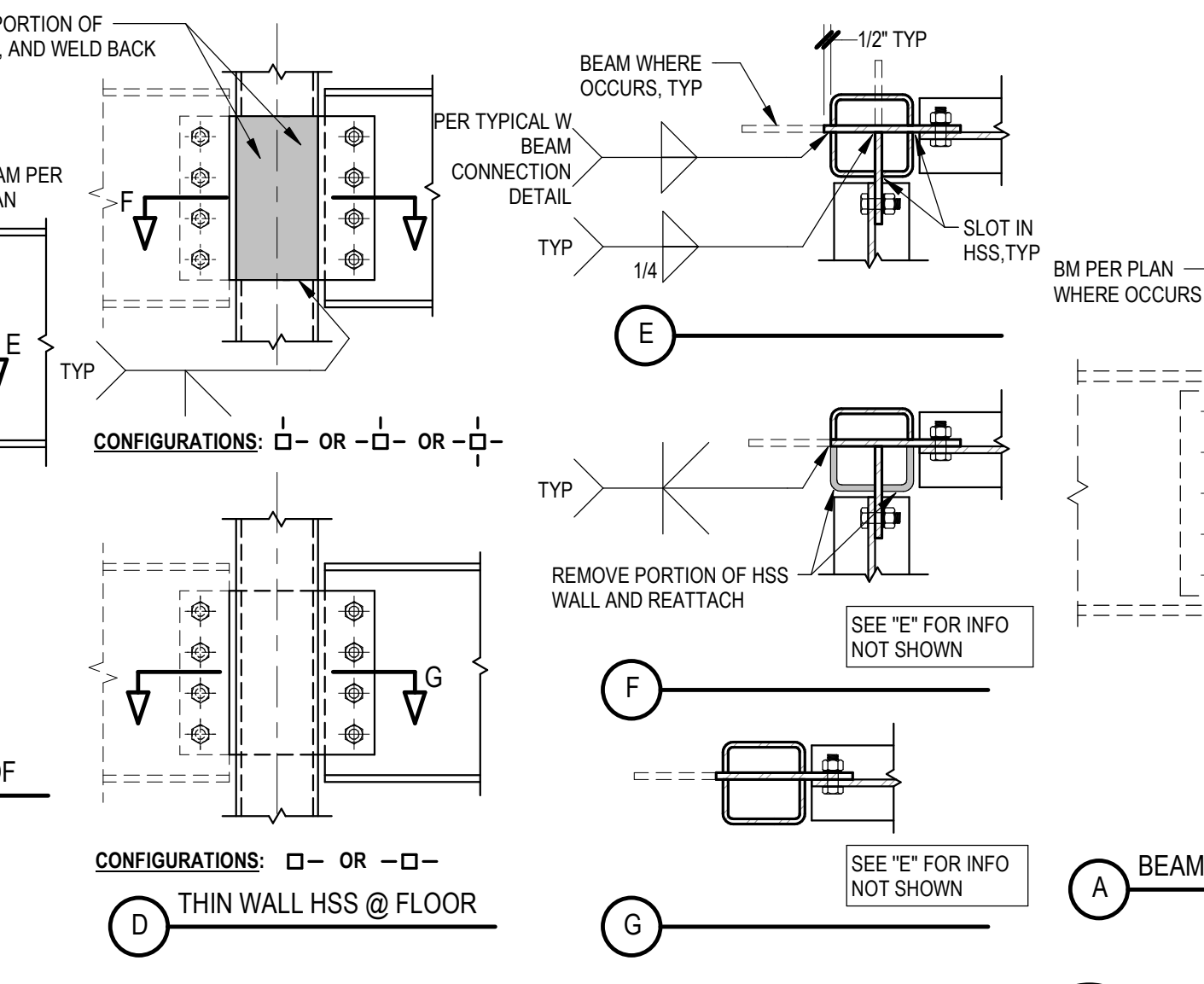
**7 BOTTOM FLANGE BRACE**  
NTS 051200\_02-0108



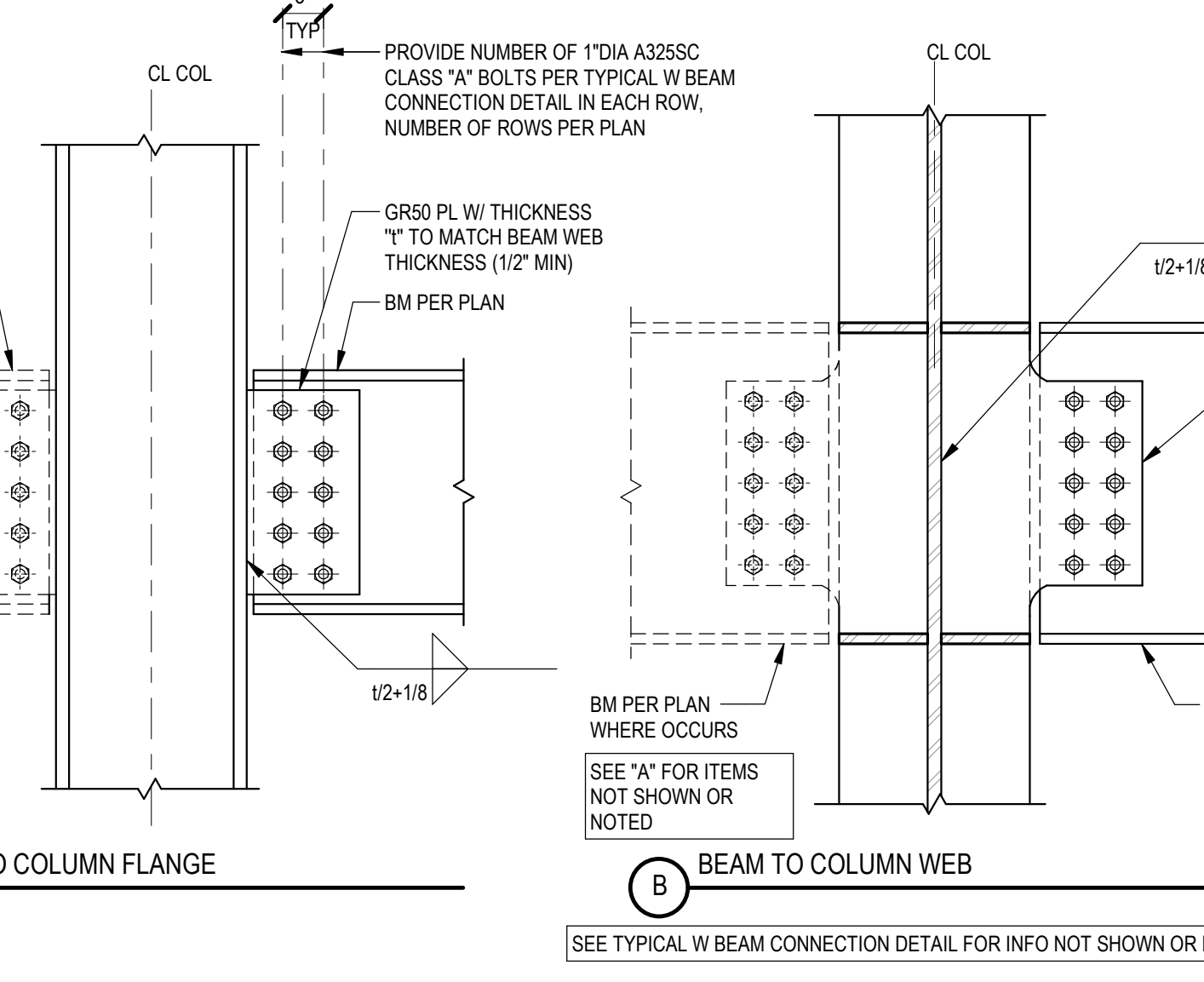
**15 GRAVITY COLUMN BASEPLATE**  
NTS 051200\_01-0101



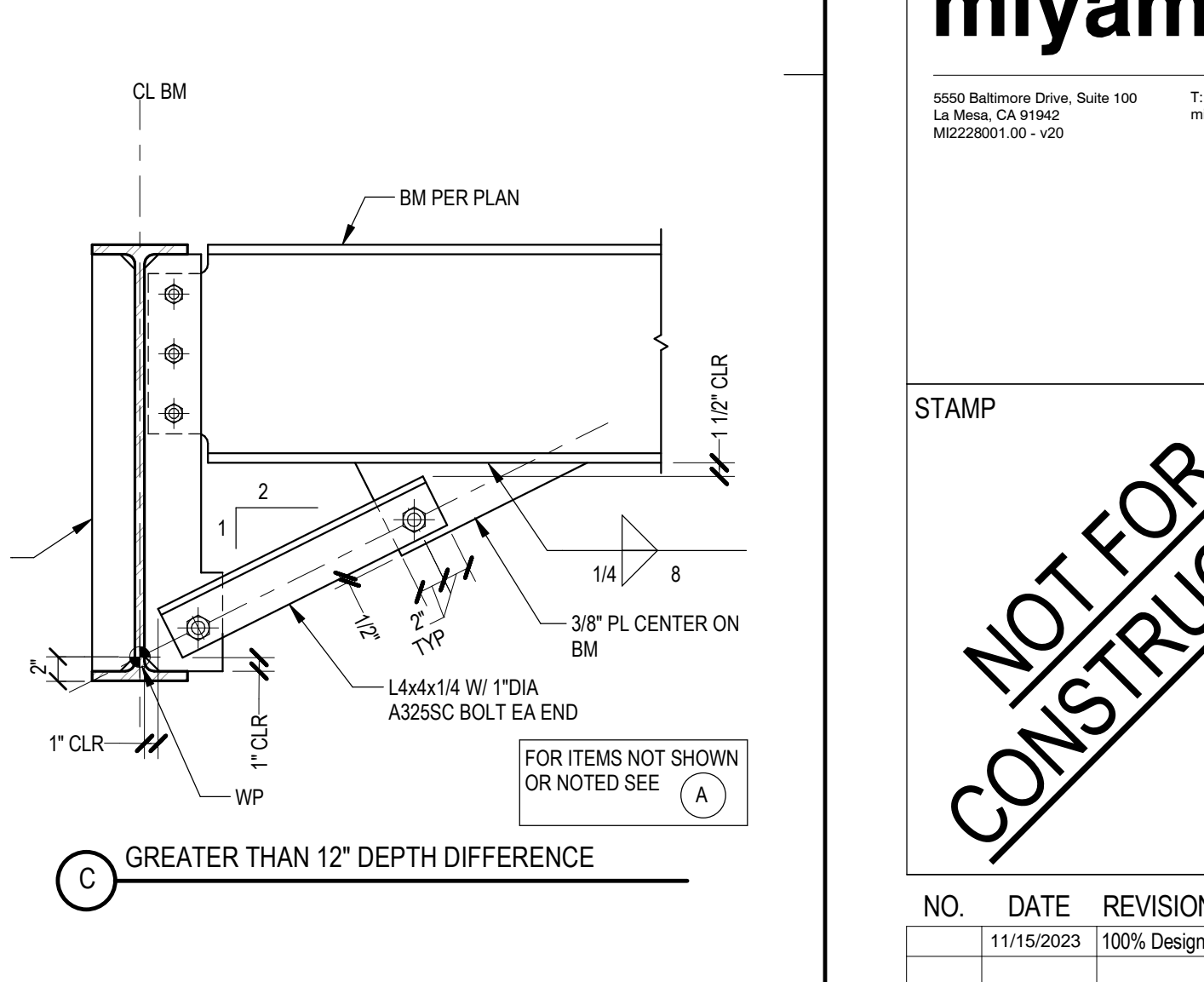
**8 BEAM CONNECTION WITH SLIP CRITICAL BOLTS**  
NTS 051200\_06-0100



**16 BEAM TO HSS COLUMN CONNECTION**  
NTS 051200\_01-0102



**11 GIRDER DEEPER THAN BEAM**  
1\" = 1'-0\"



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**miyamoto.**  
5500 Baltimore Drive, Suite 100 La Mesa, CA 91942 619.291.8848  
T: (888) 270-8848 miyamotointernational.com

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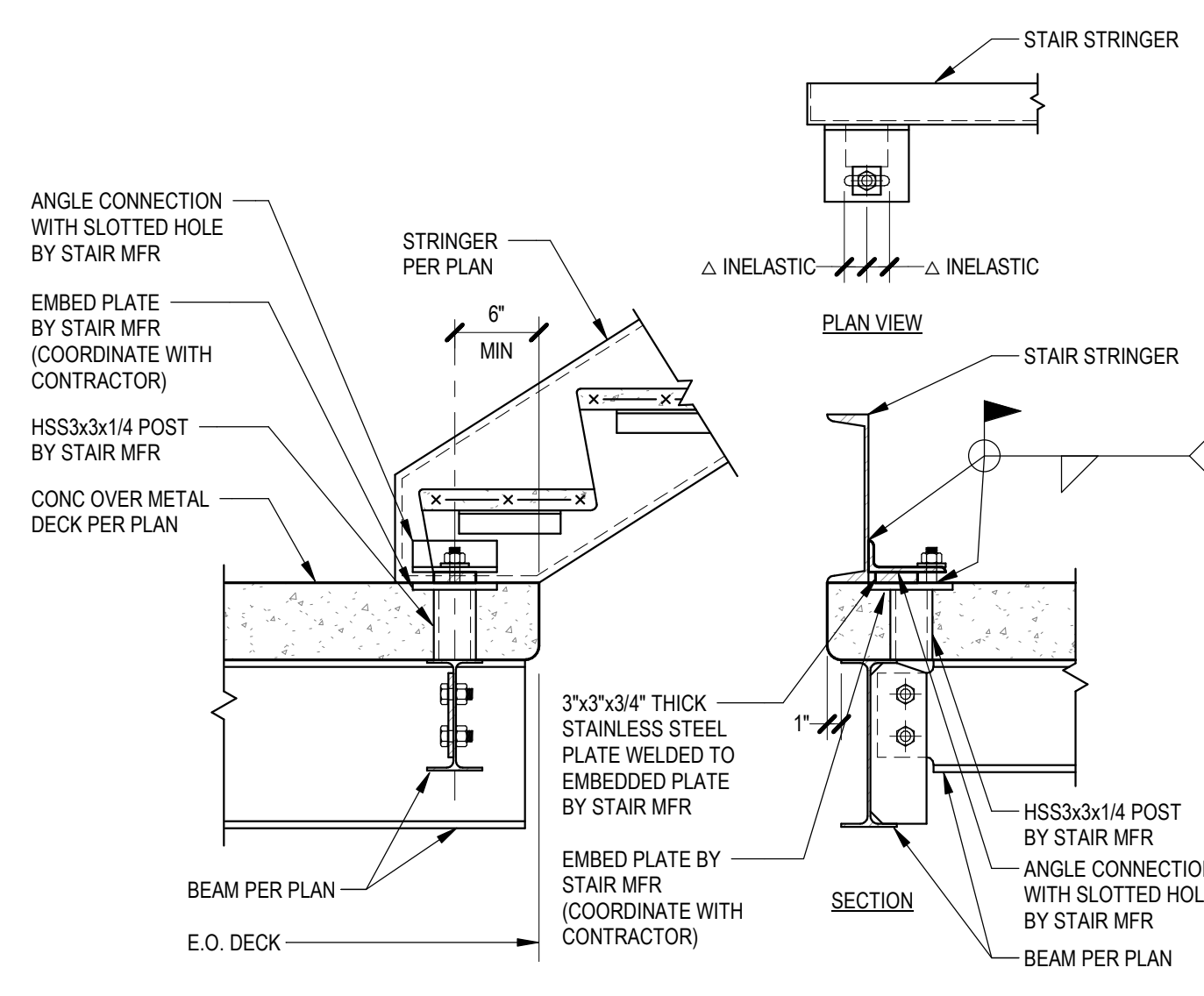
PROJECT TITLE:  
**Altadena Main Library**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

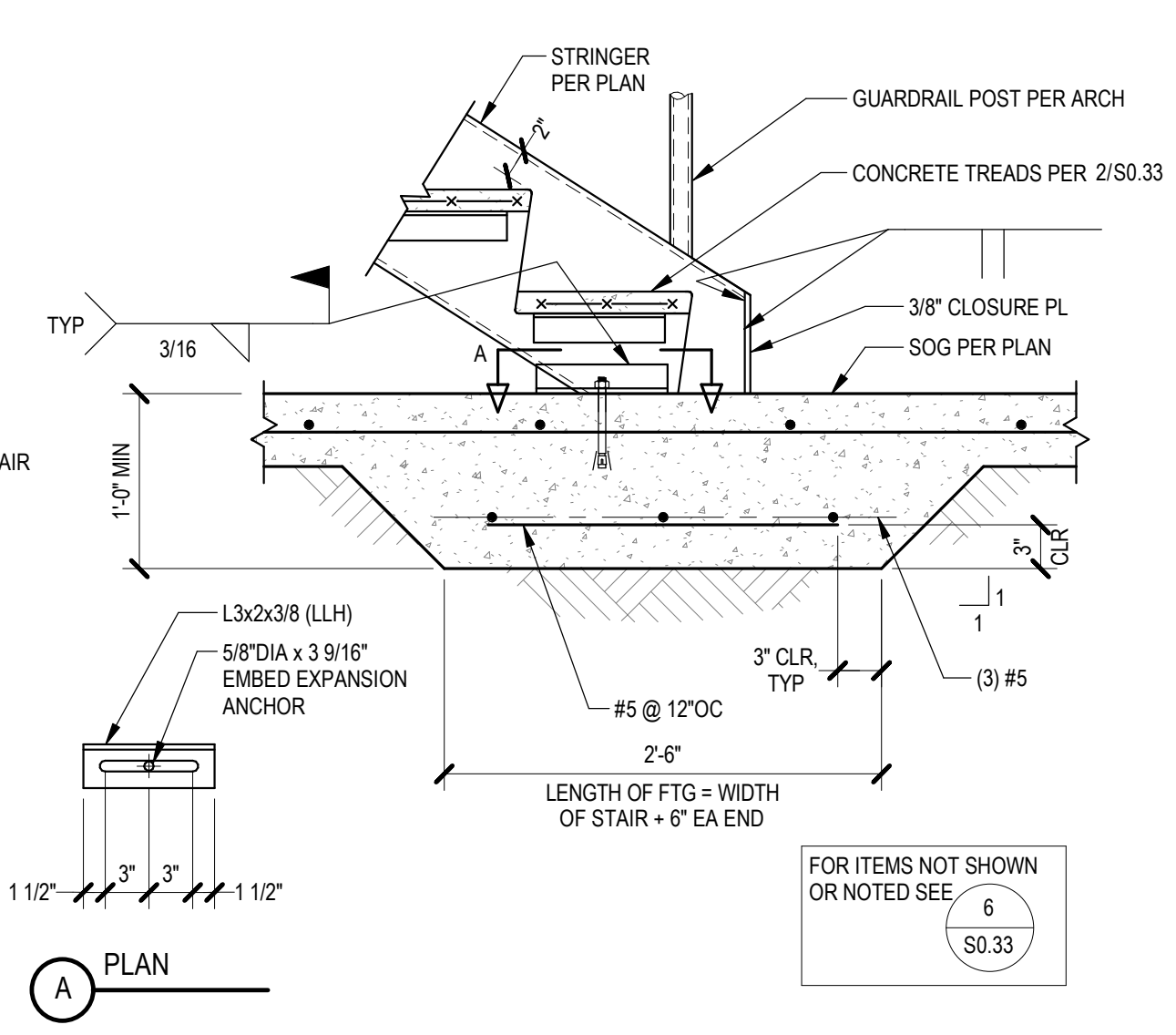
**TYPICAL STRUCTURAL STEEL DETAILS**

SCALE: As indicated

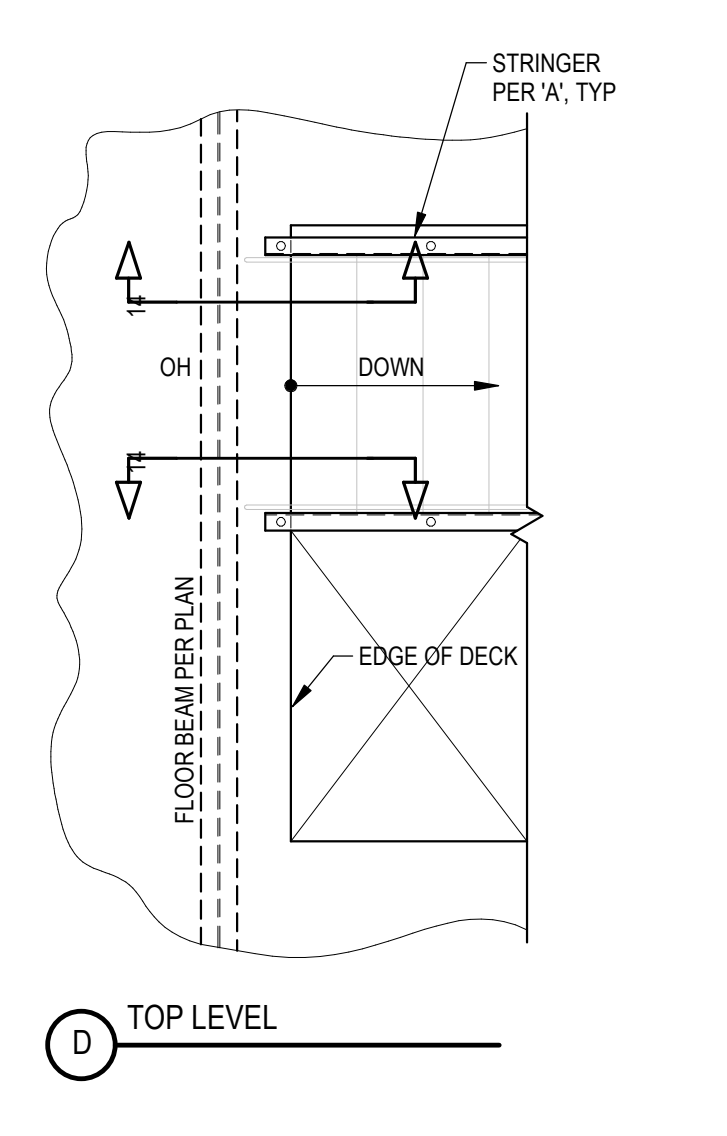
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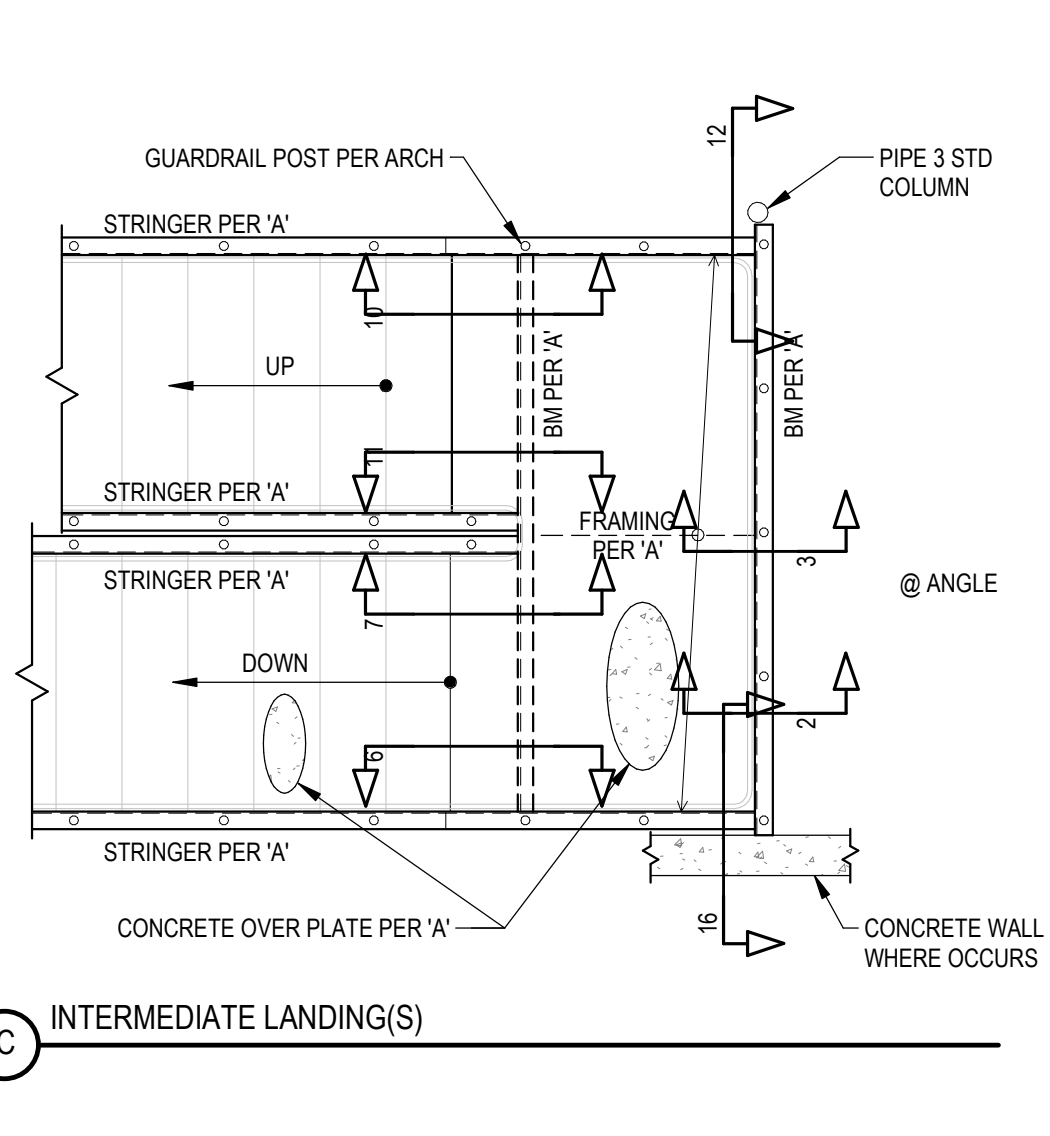
**17** UP STRINGER AT FLOOR - ALTERNATE  
 NTS 055100-0001



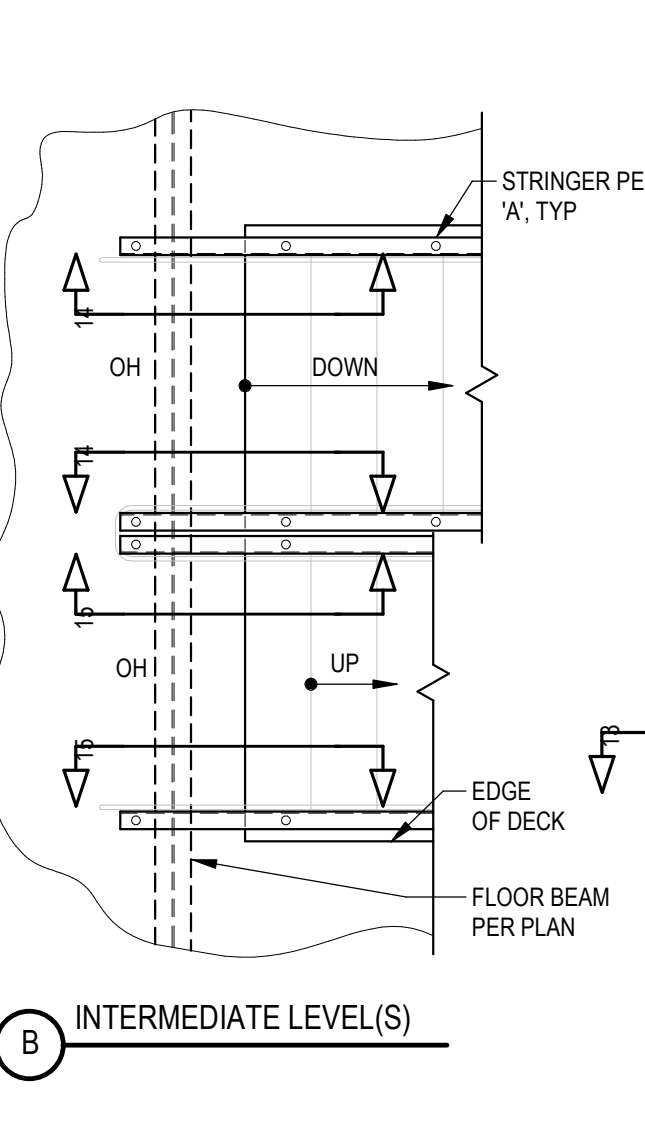
**13** STAIR STRINGER FOOTING  
 NTS 055100-0021



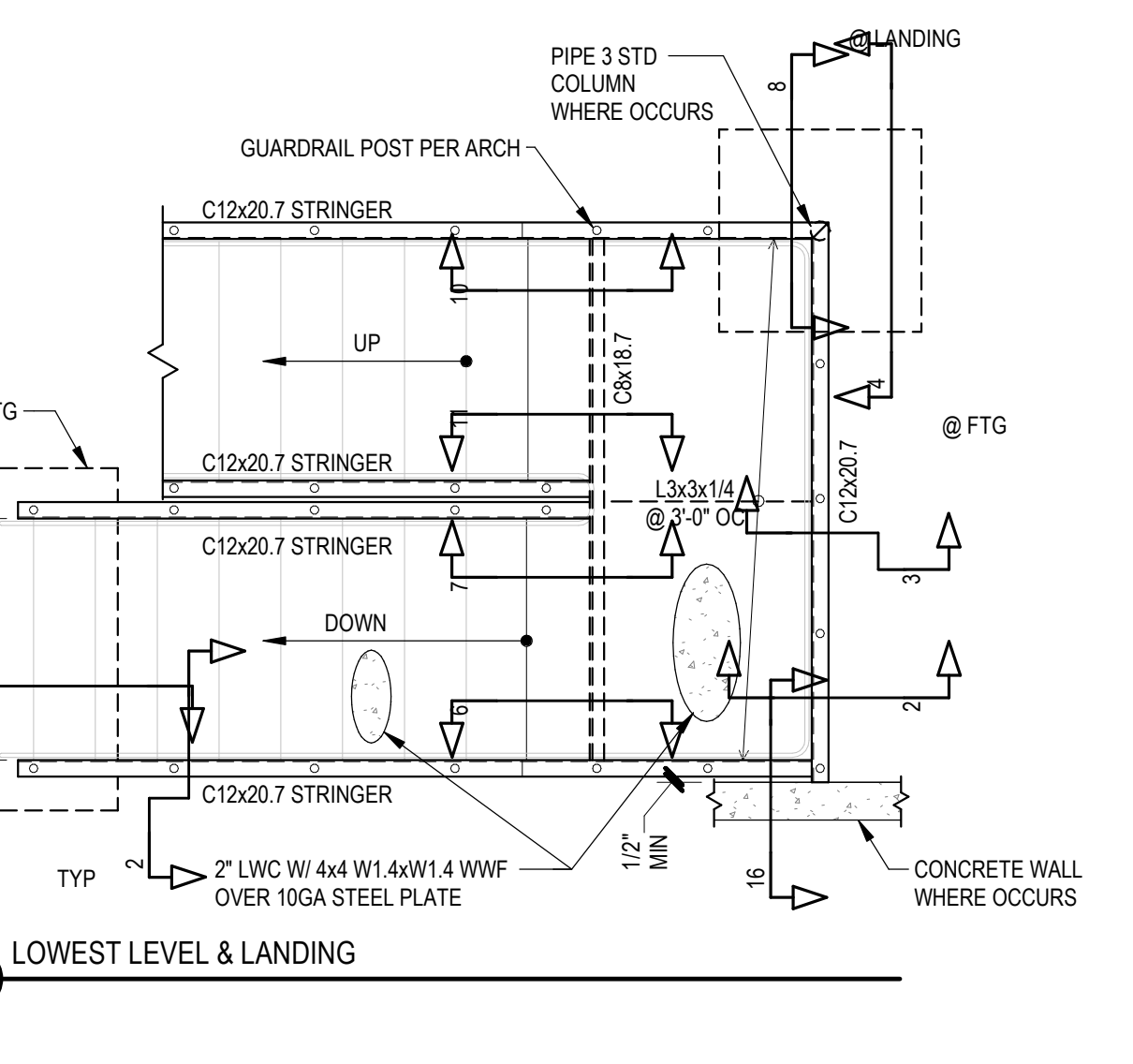
**9** STAIR FRAMING PLAN  
 NTS 055100-0001



**C** INTERMEDIATE LANDING(S)



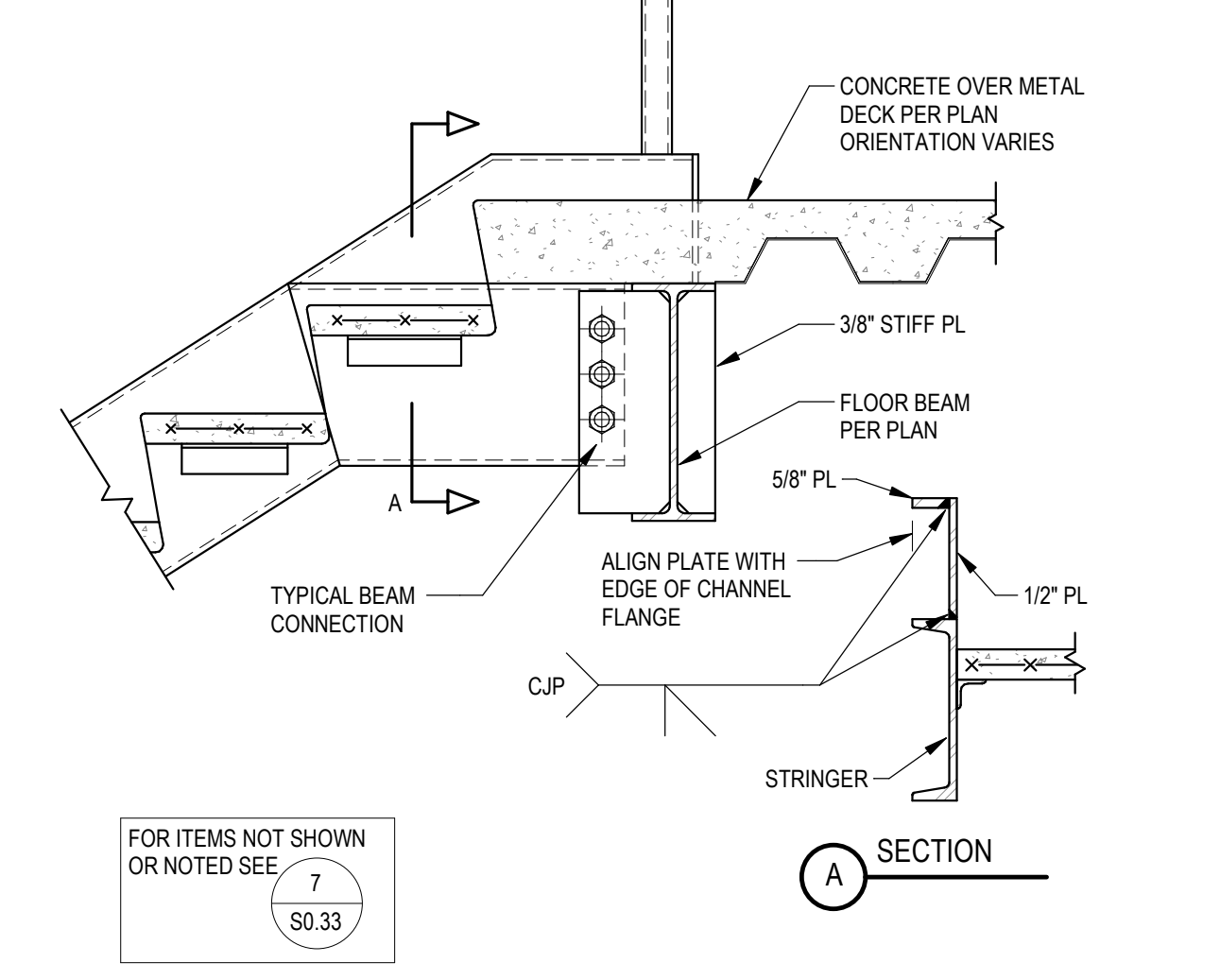
**B** INTERMEDIATE LEVEL(S)



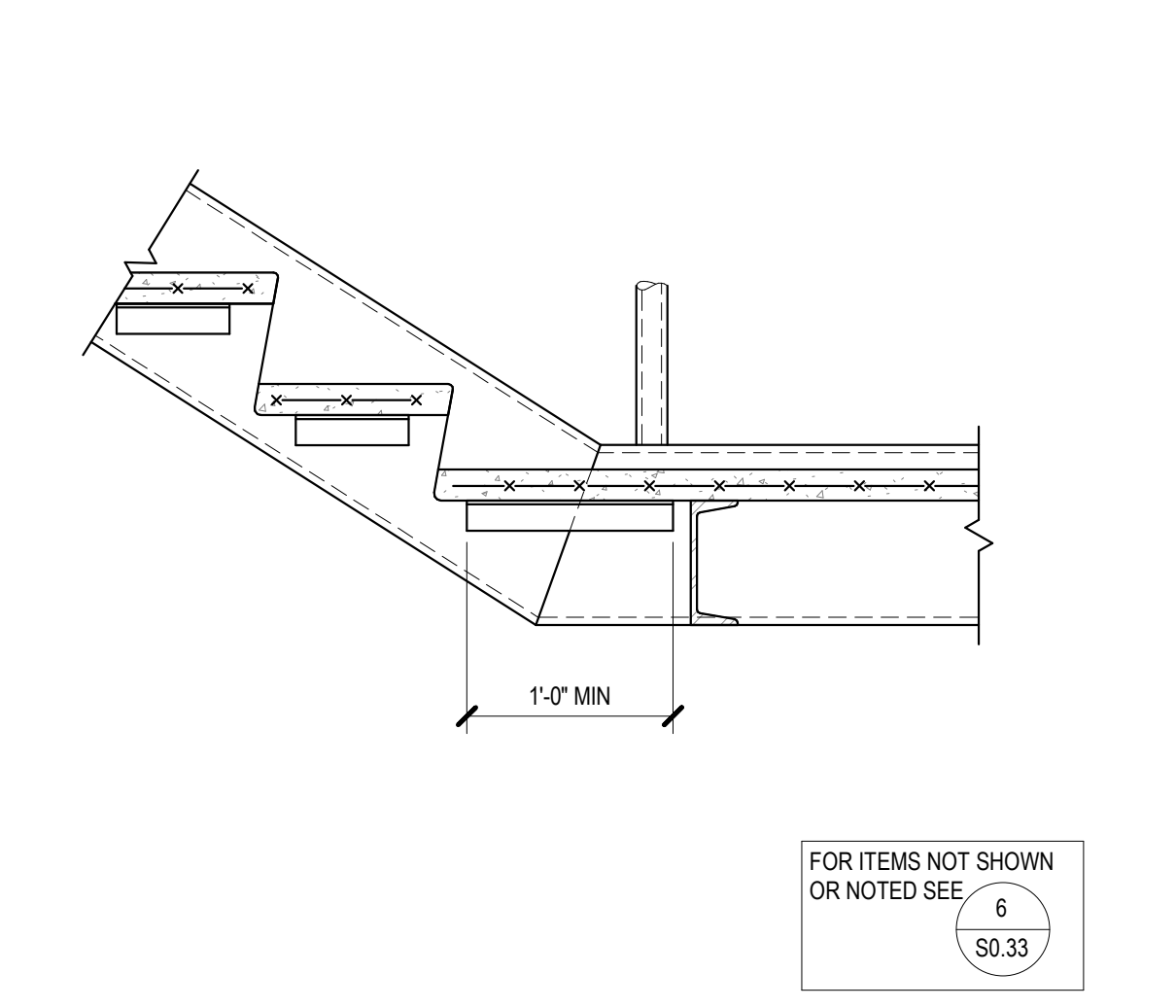
**A** LOWEST LEVEL & LANDING



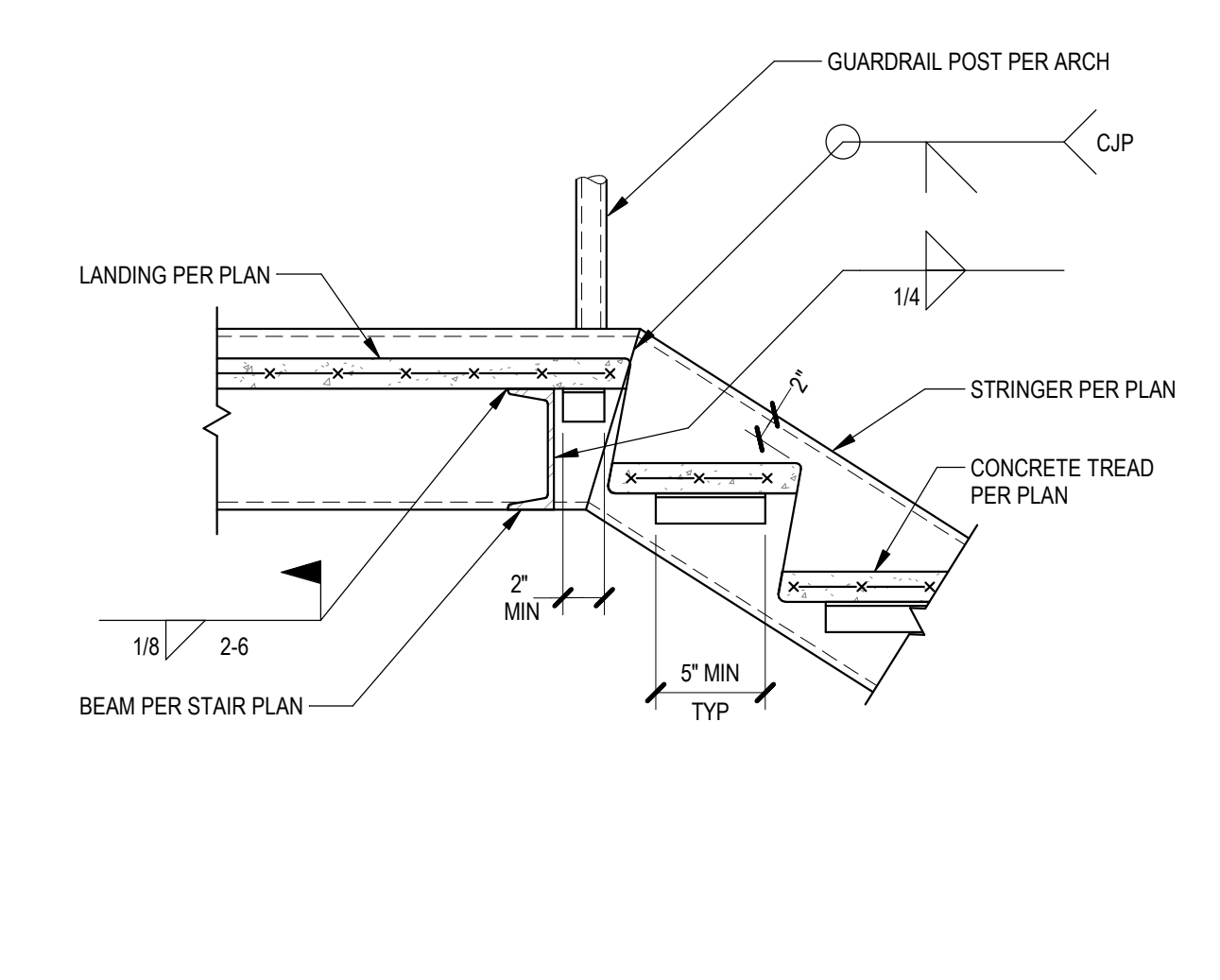
**14** DOWN STRINGER AT FLOOR  
 NTS 055100-0026



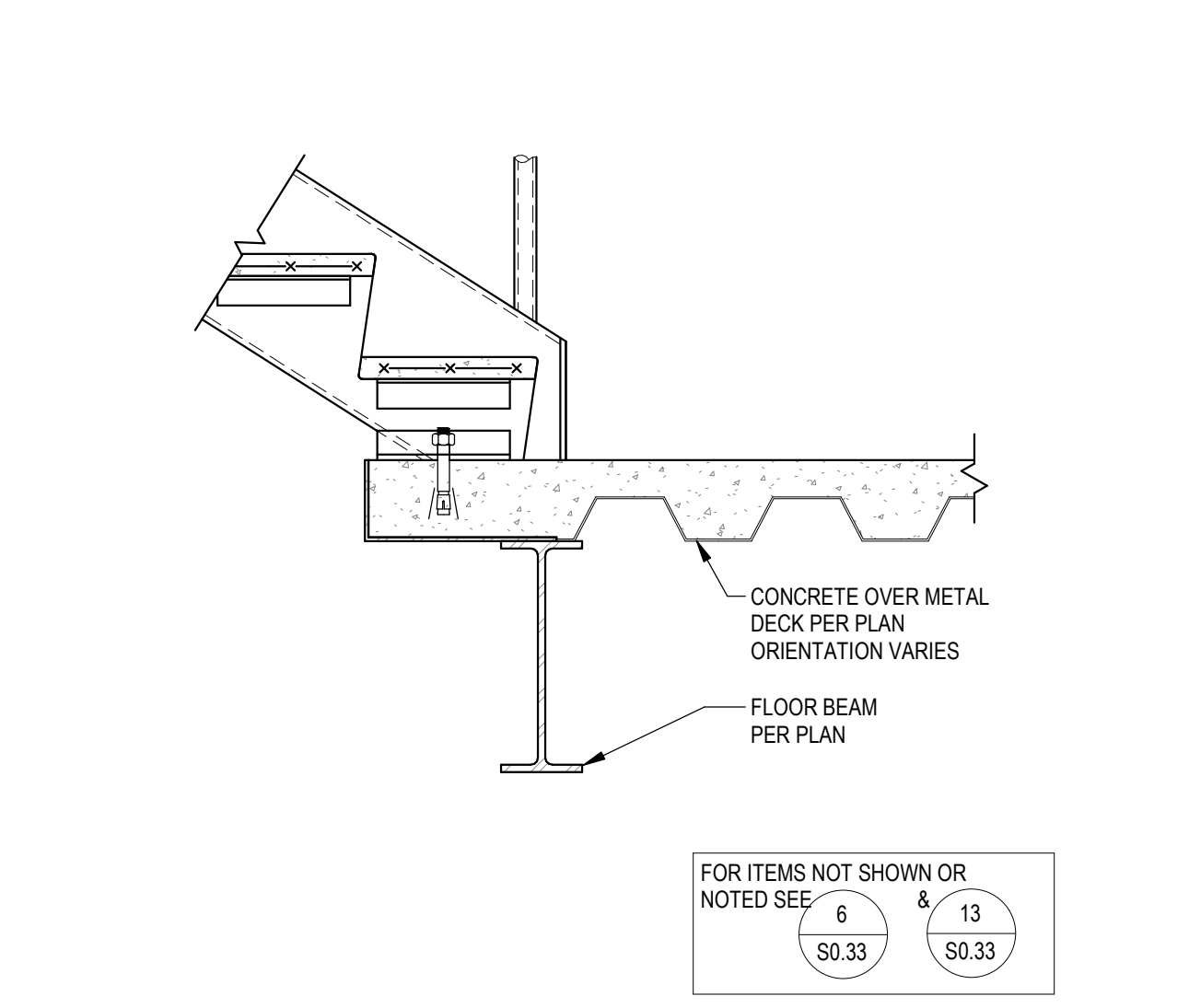
**10** OUTSIDE UP STRINGER AT LANDING  
 NTS 055100-0024



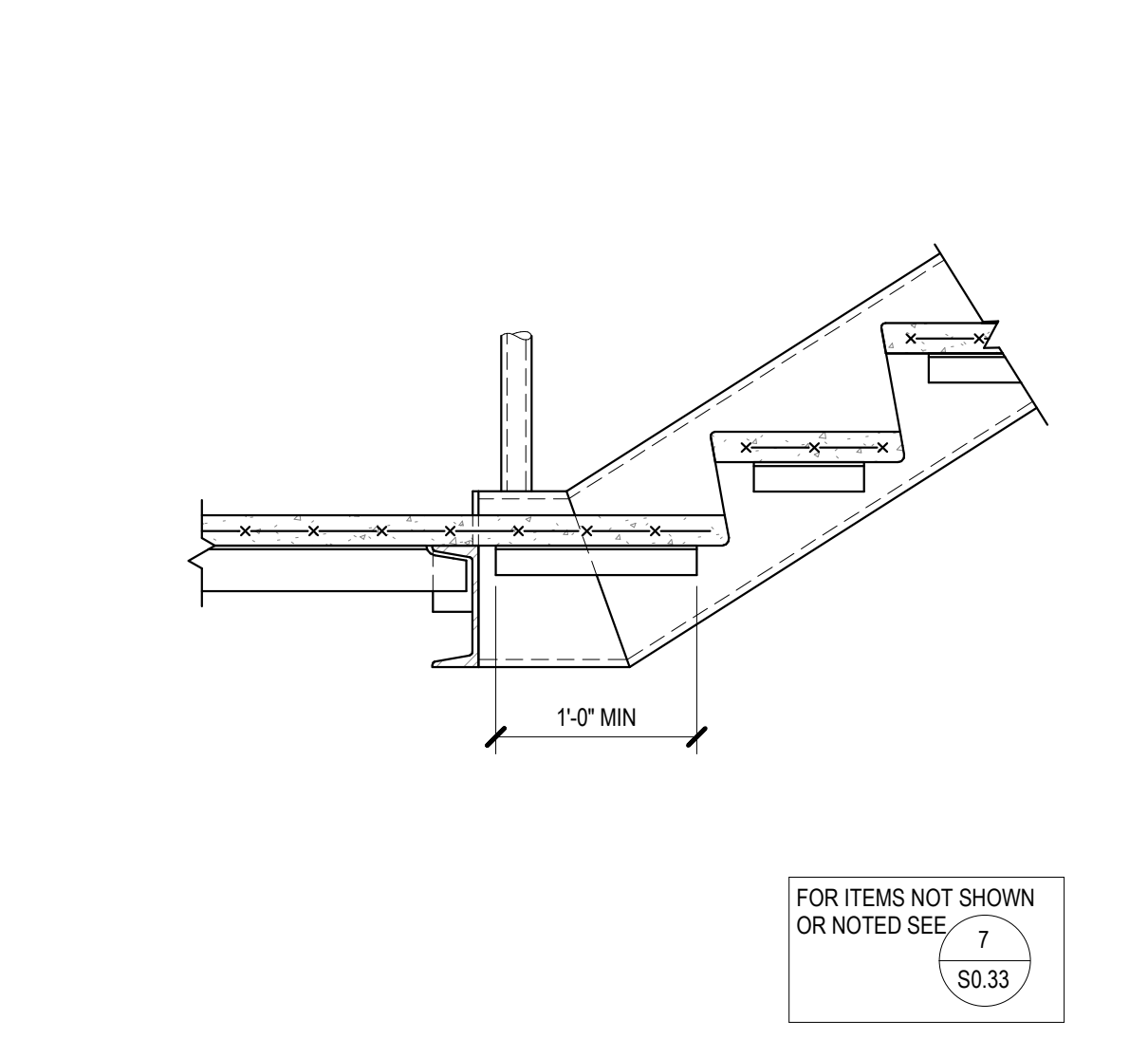
**6** OUTSIDE DOWN STRINGER AT LANDING  
 NTS 055100-0022



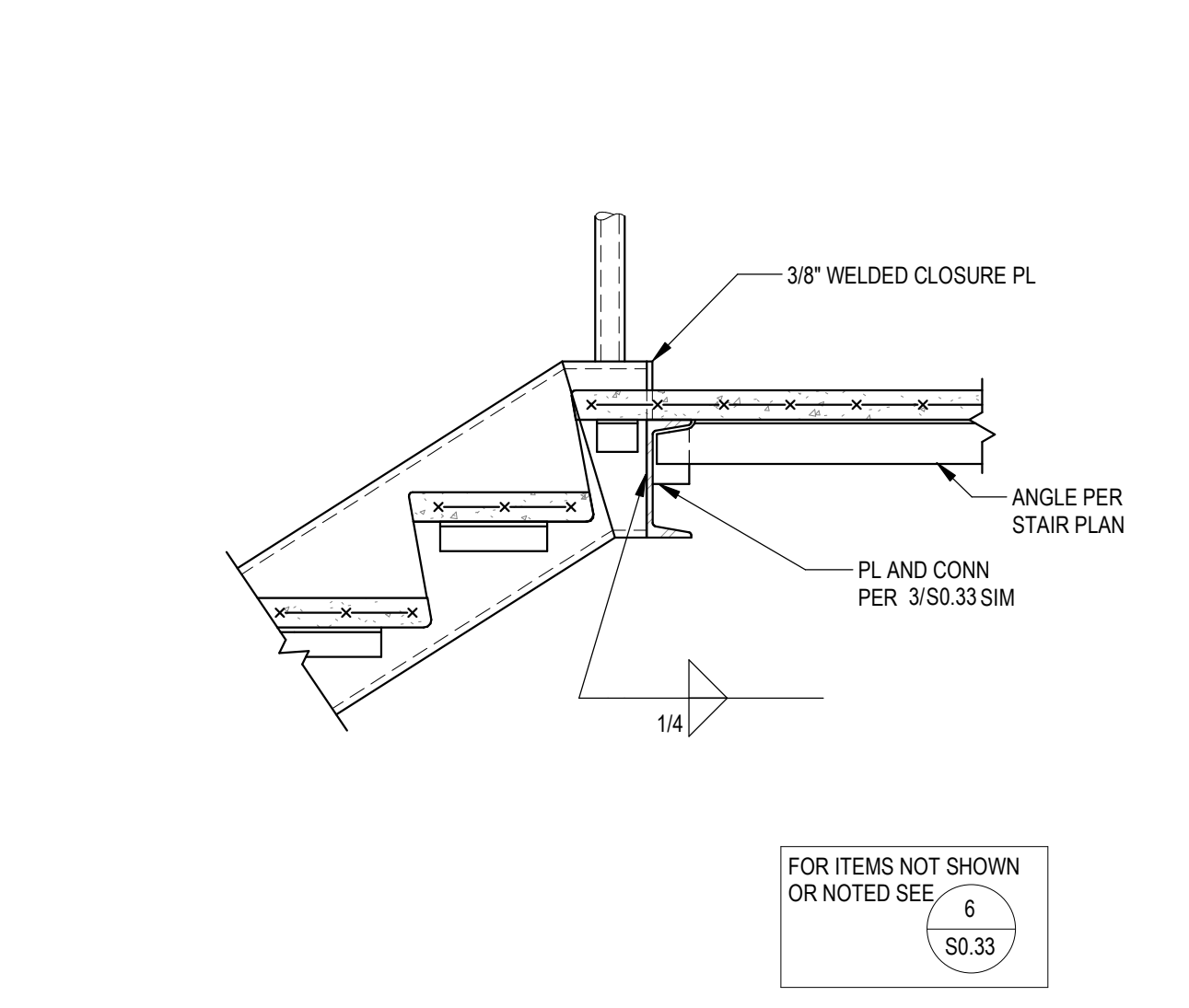
**2** LANDING & TREAD SUPPORT  
 NTS 055100-0011



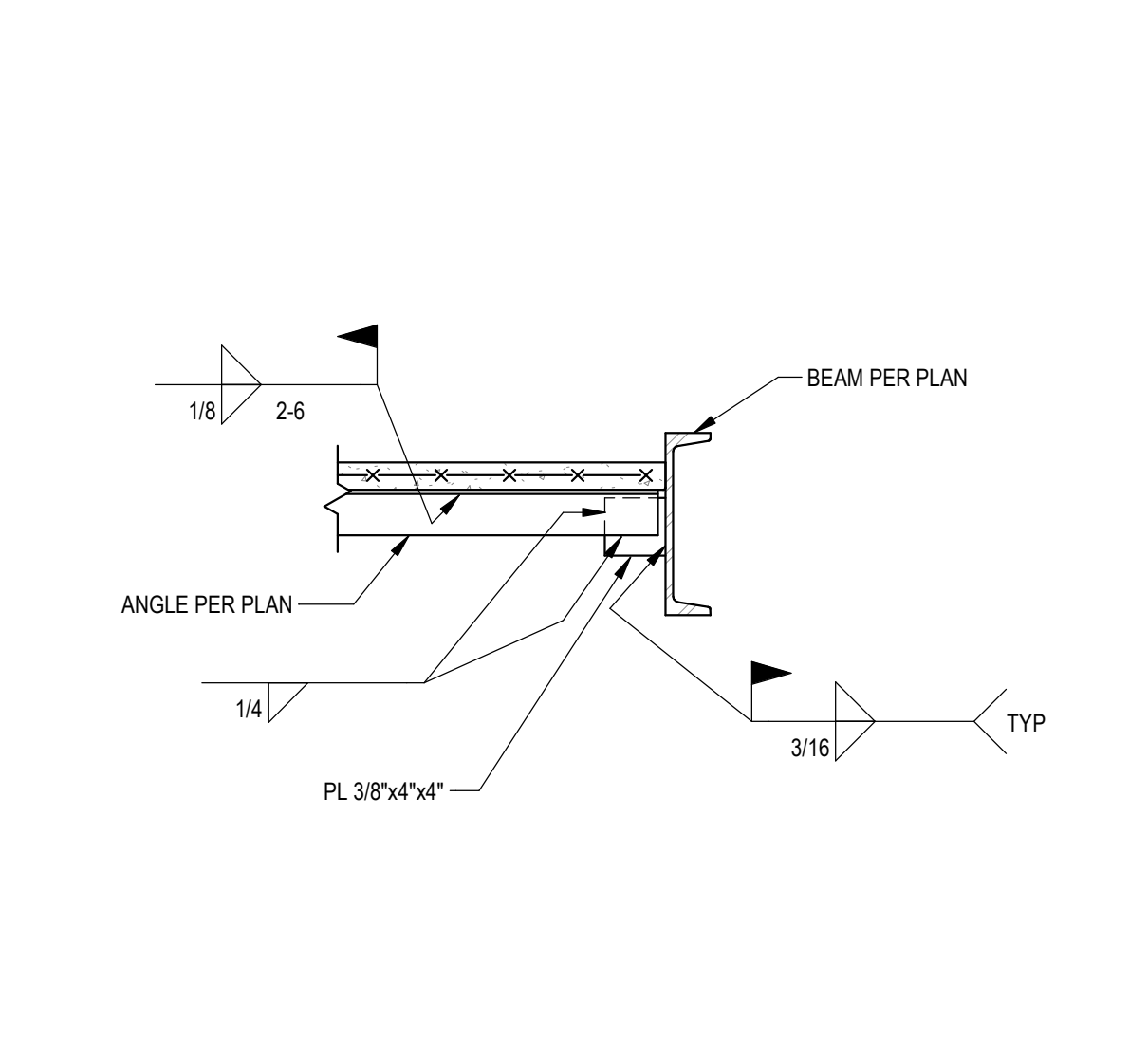
**15** UP STRINGER AT FLOOR  
 NTS 055100-0027



**11** INSIDE UP STRINGER AT LANDING  
 NTS 055100-0025



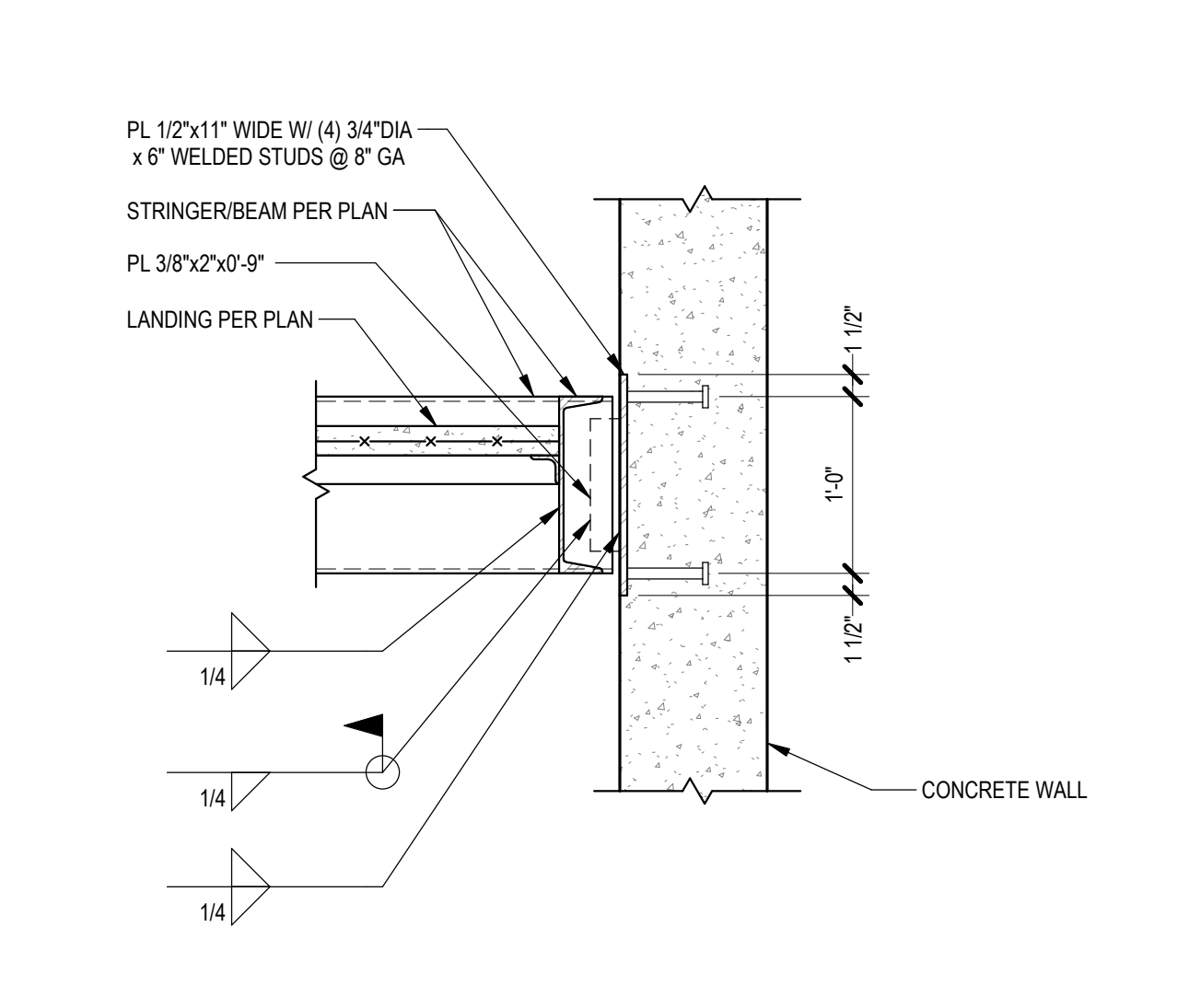
**7** INSIDE DOWN STRINGER AT LANDING  
 NTS 055100-0023



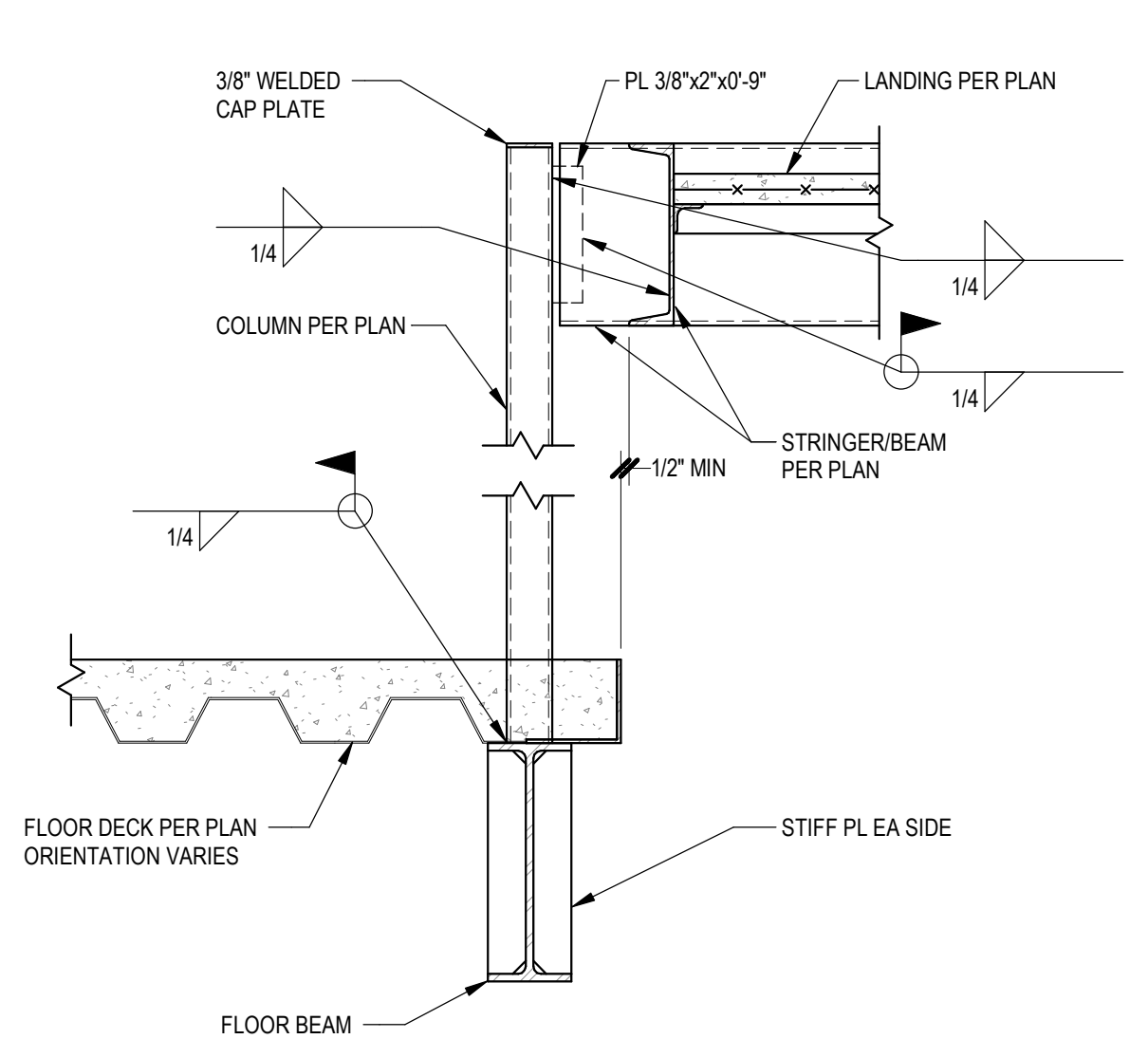
**3** LANDING ANGLE CONNECTION  
 NTS 055100-0012



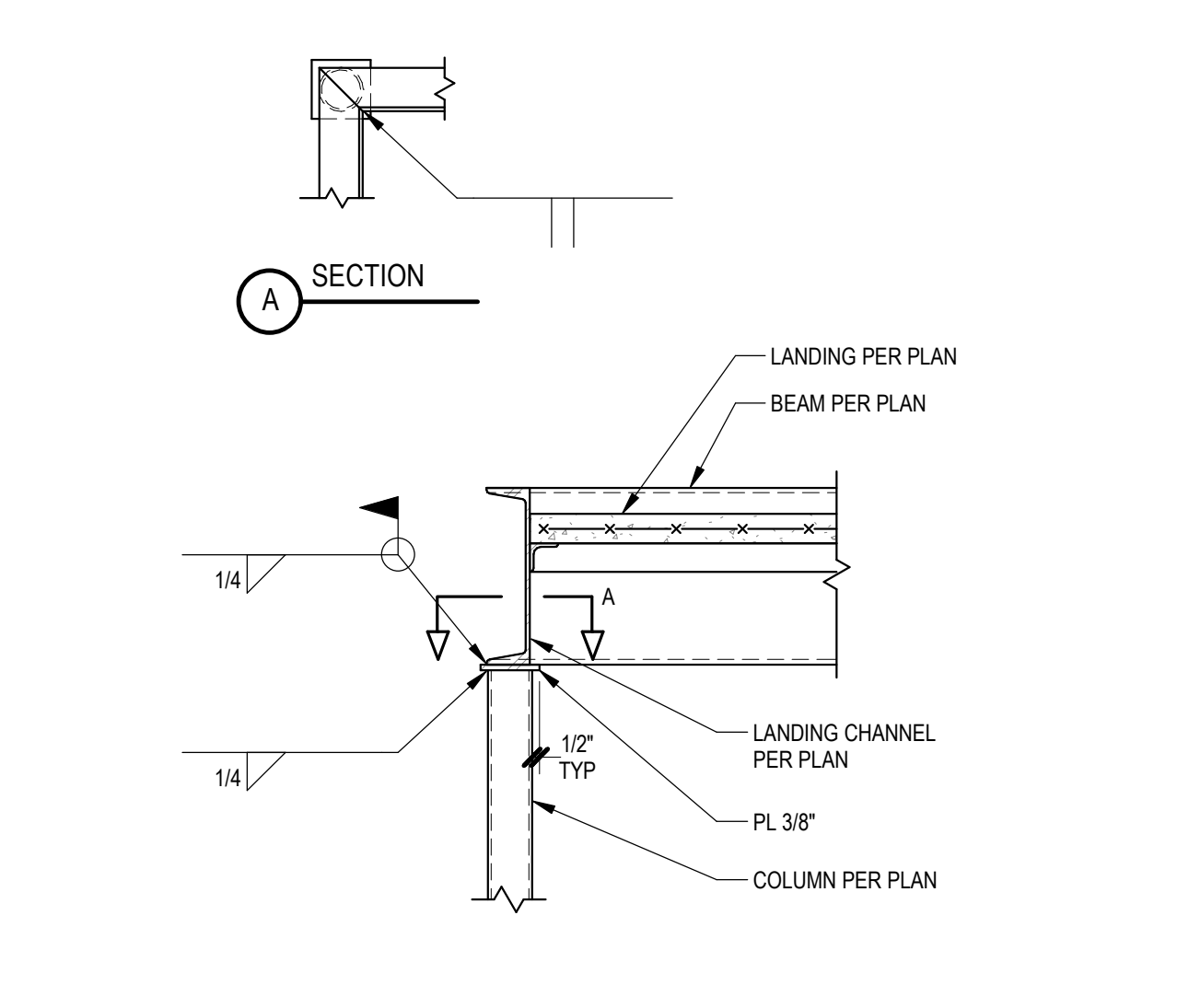
**16** STRINGER AT CONCRETE WALL  
 NTS 055100-0041



**12** STAIR COLUMN AT FLOOR  
 NTS 055100-0033



**8** STAIR COLUMN AT LANDING  
 NTS 055100-0032



**4** STAIR COLUMN FOOTING  
 NTS 055100-0031

CONSULTANTS LOGO  
**miyamoto.**  
 5500 Ballmar Drive, Suite 100 La Brea, CA 90042  
 T: (888) 270-8848  
 miyamotointernational.com

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PROJECT TITLE:  
**Altadena Main Library**  
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 ALTADENA, CA 91001

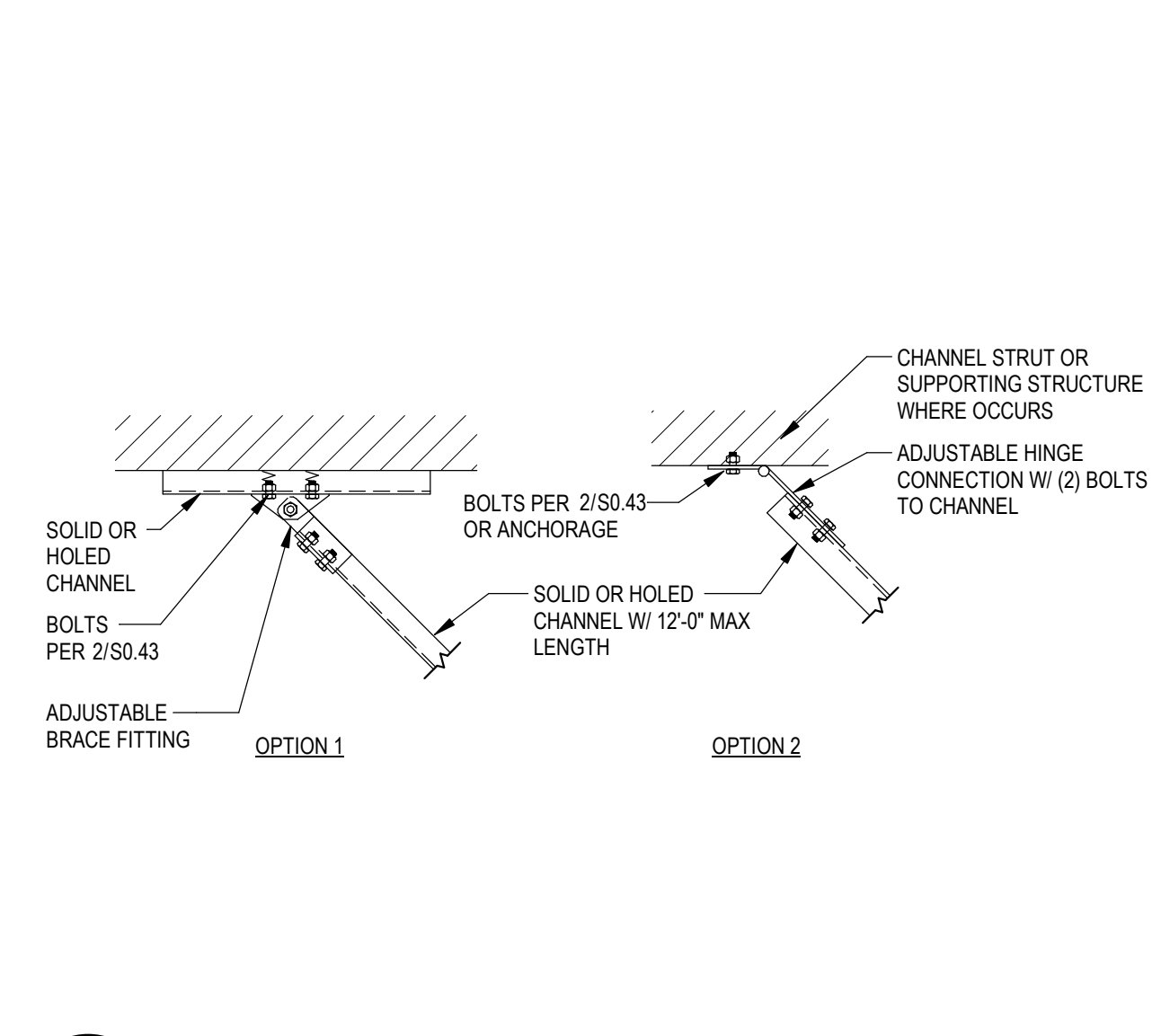
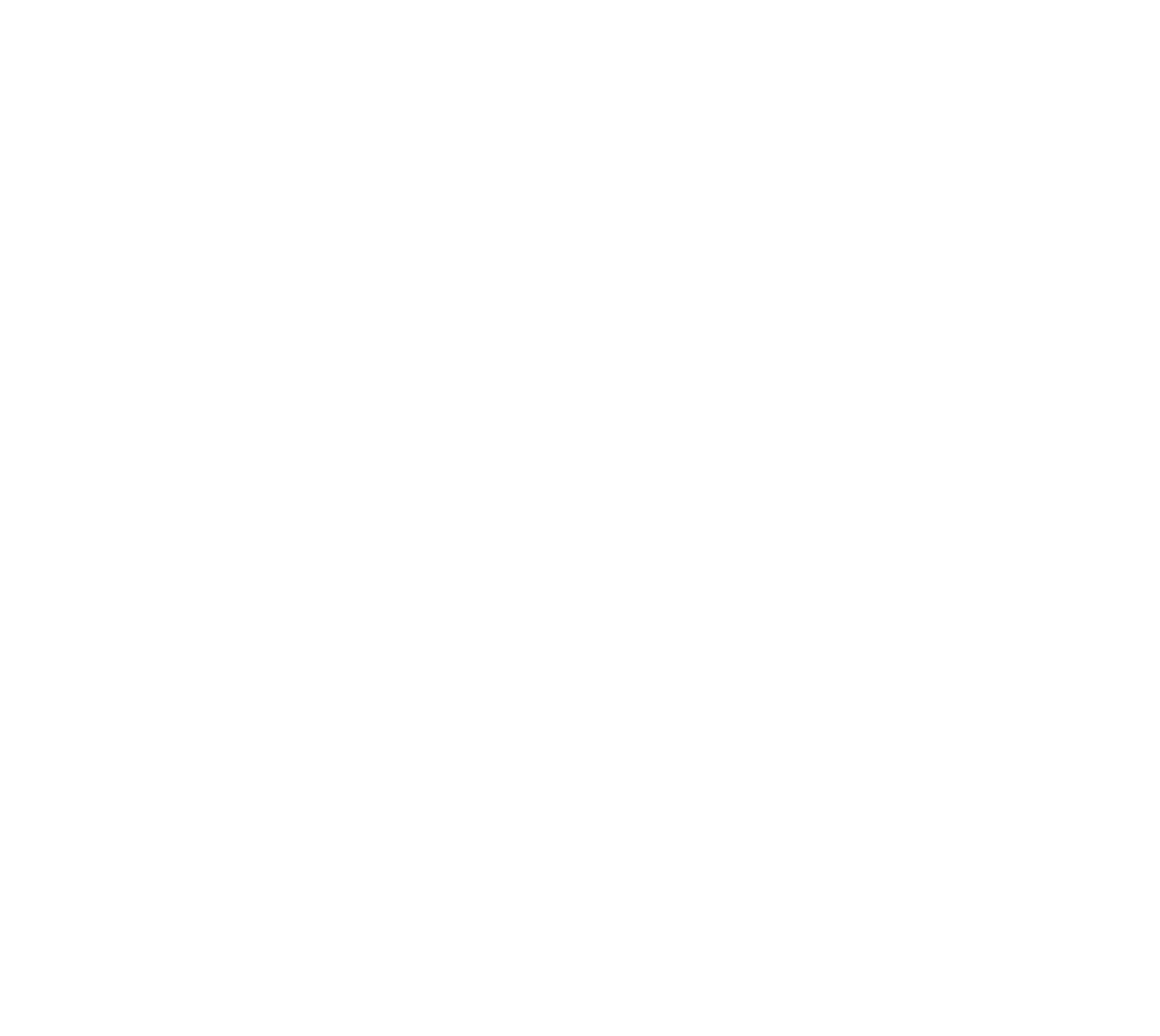
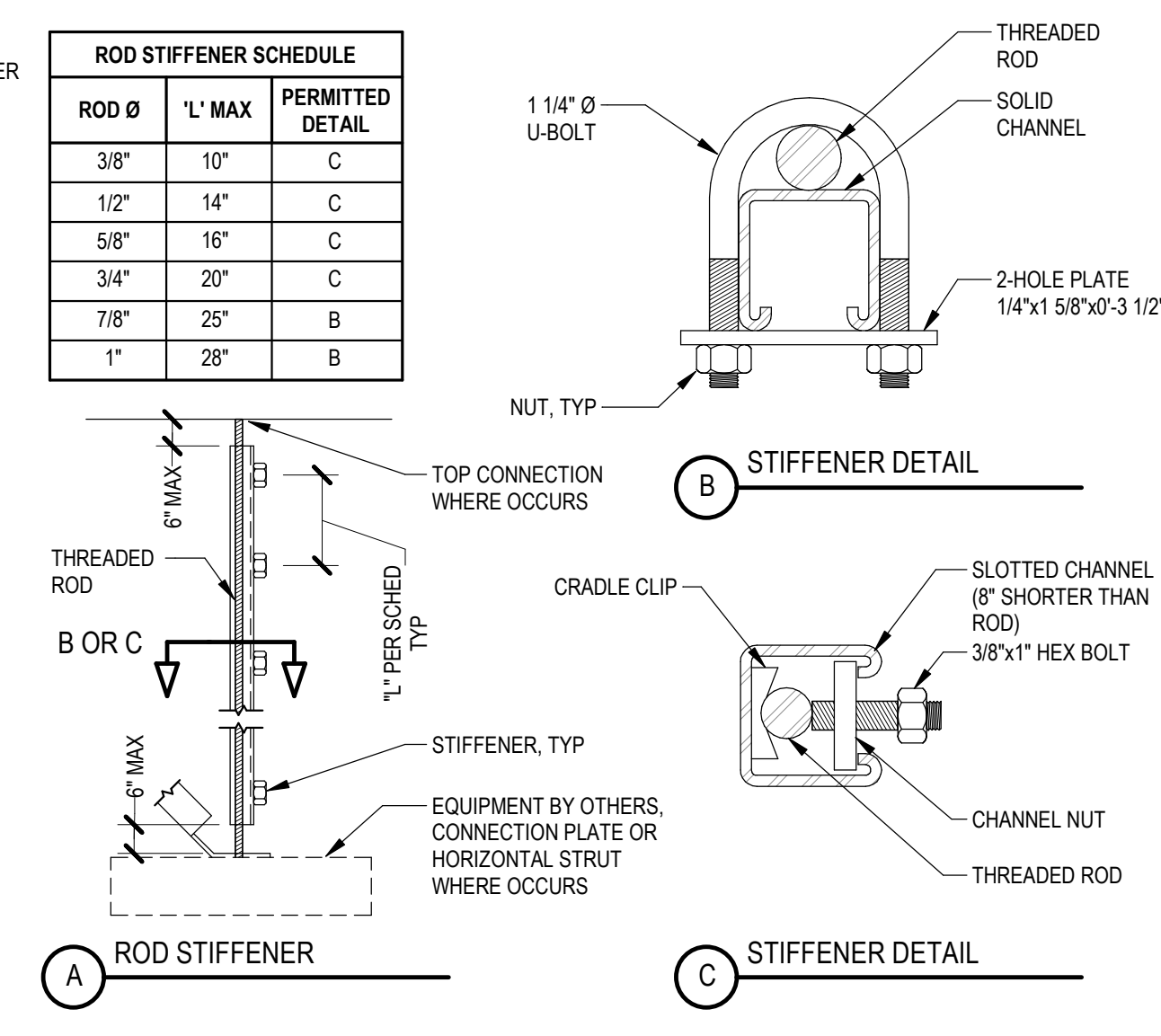
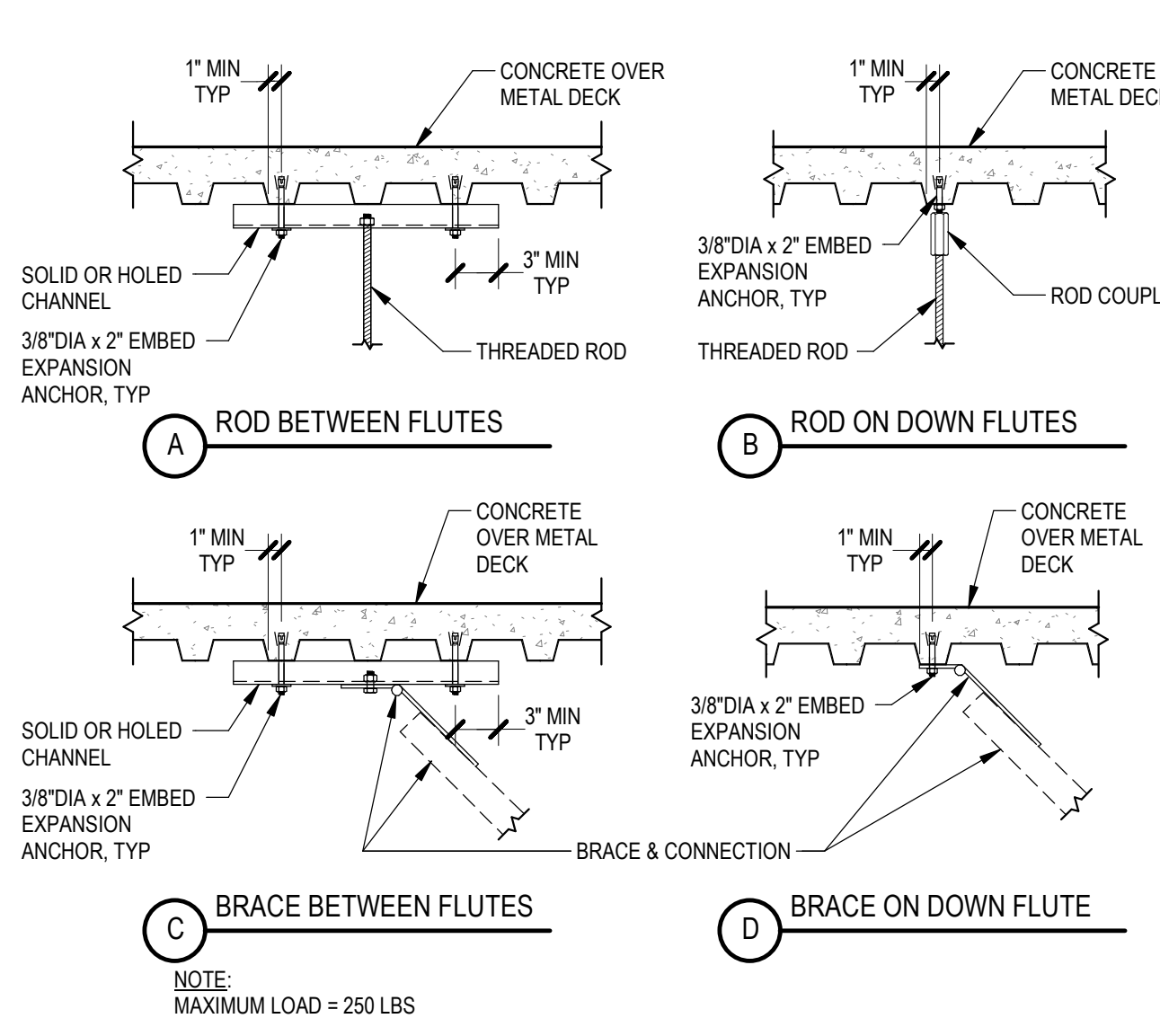
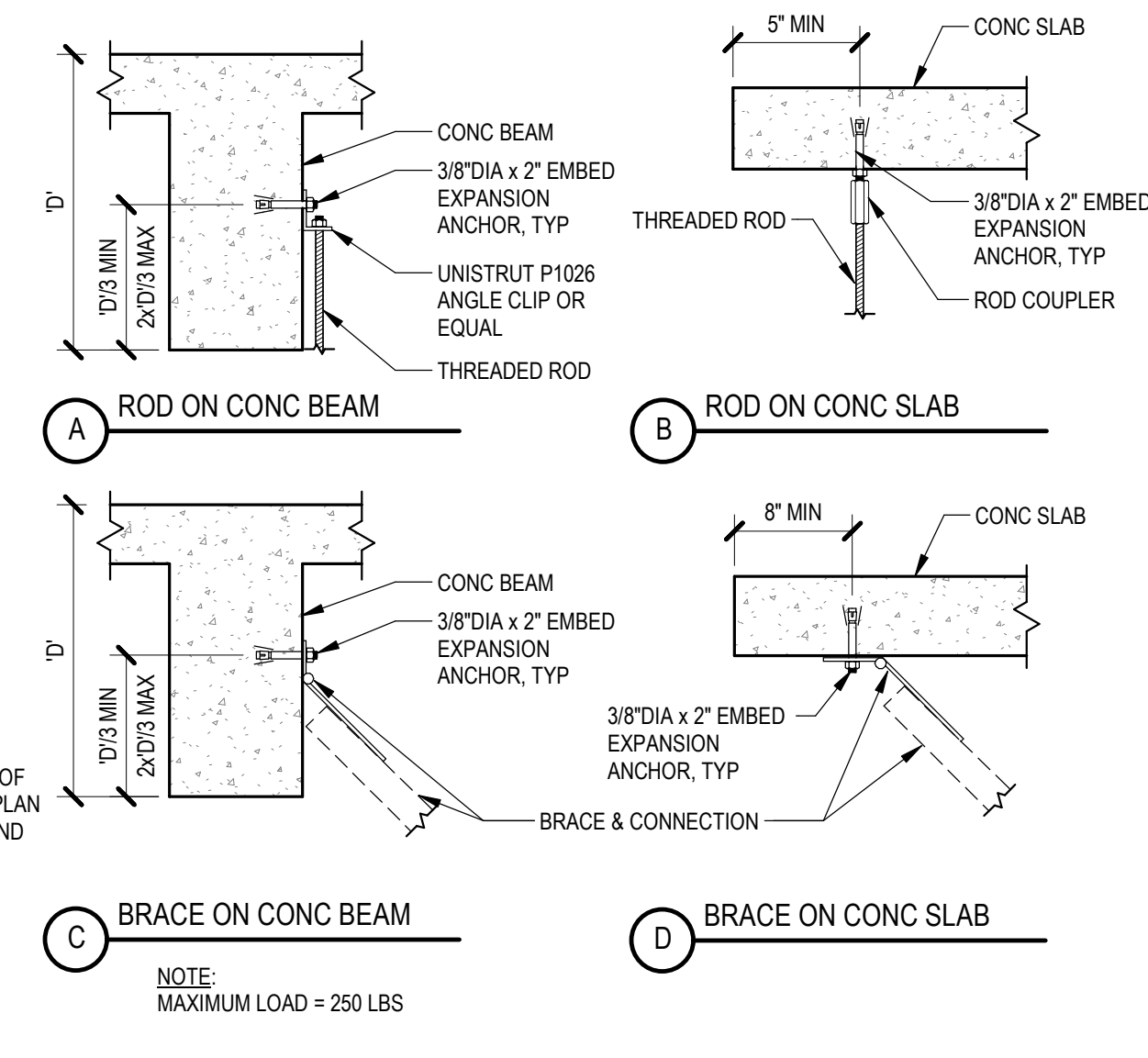
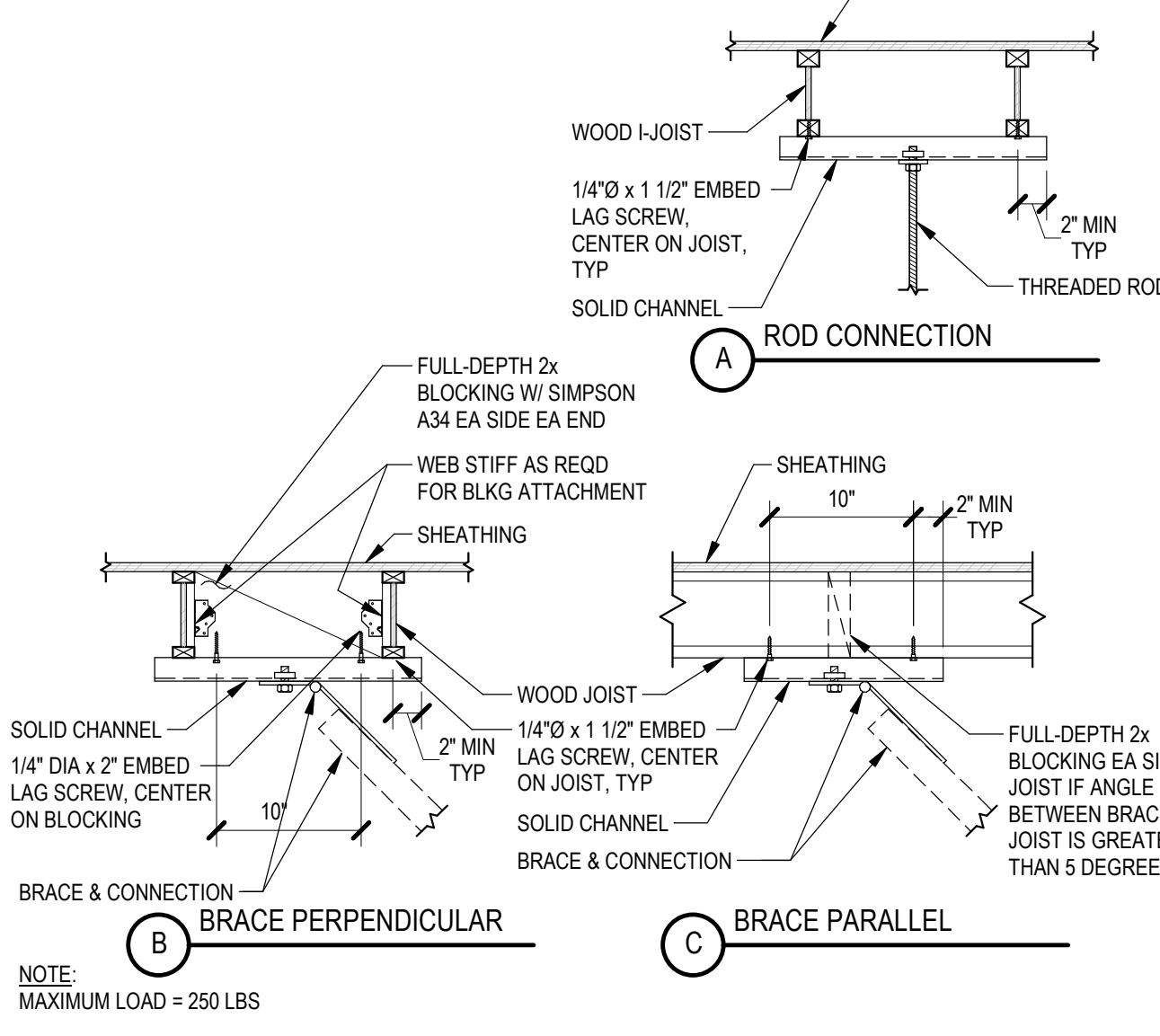
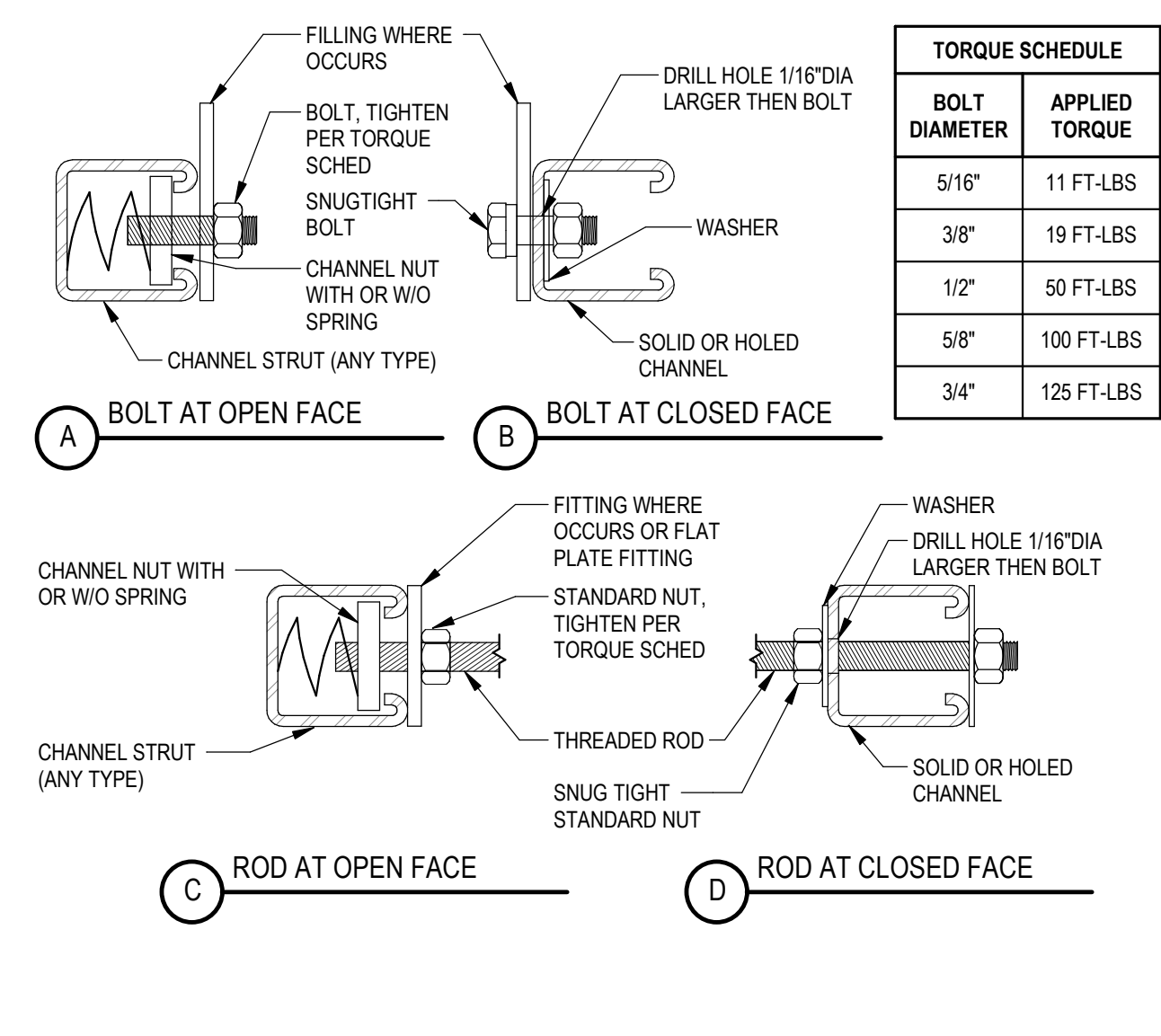
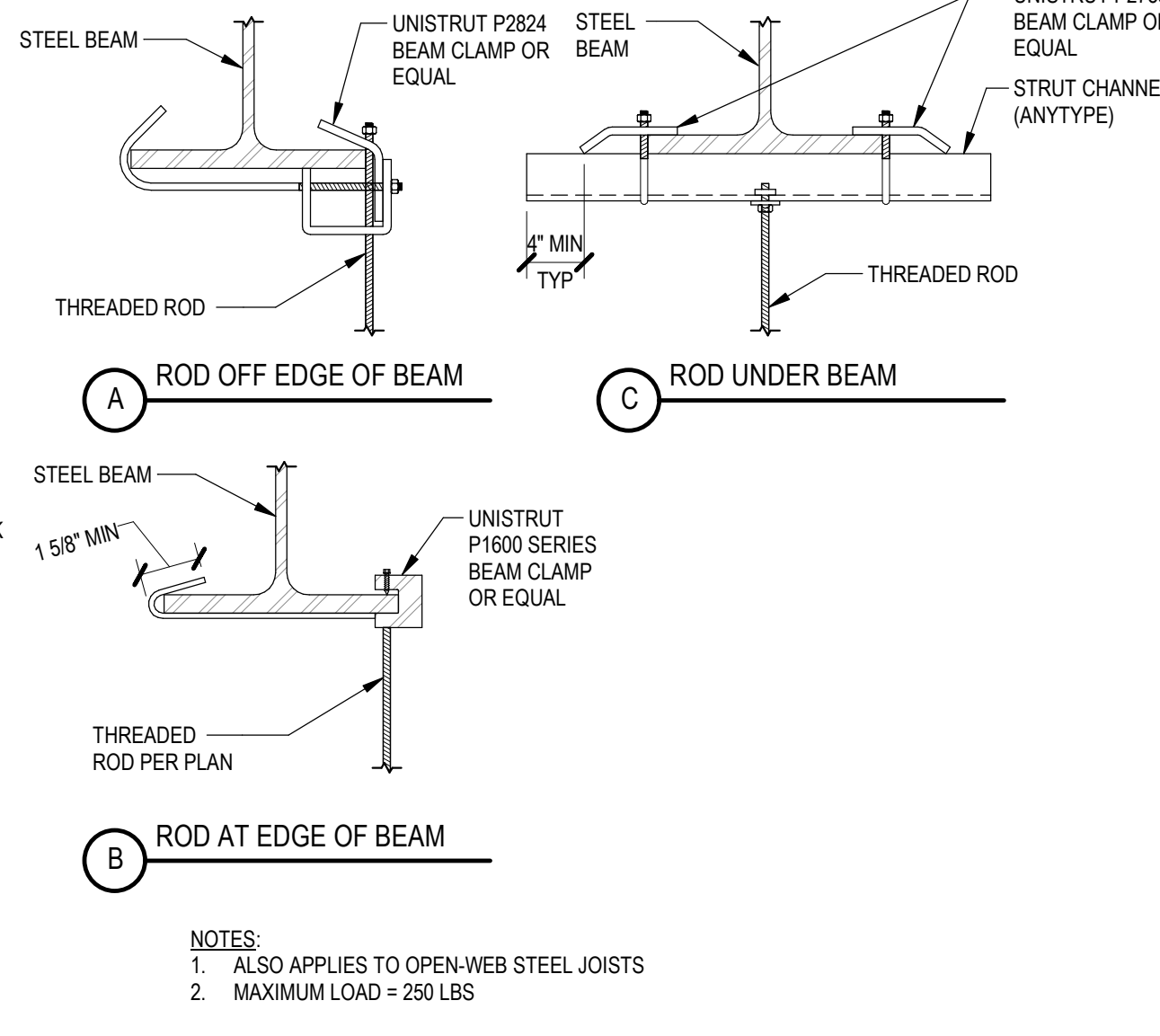
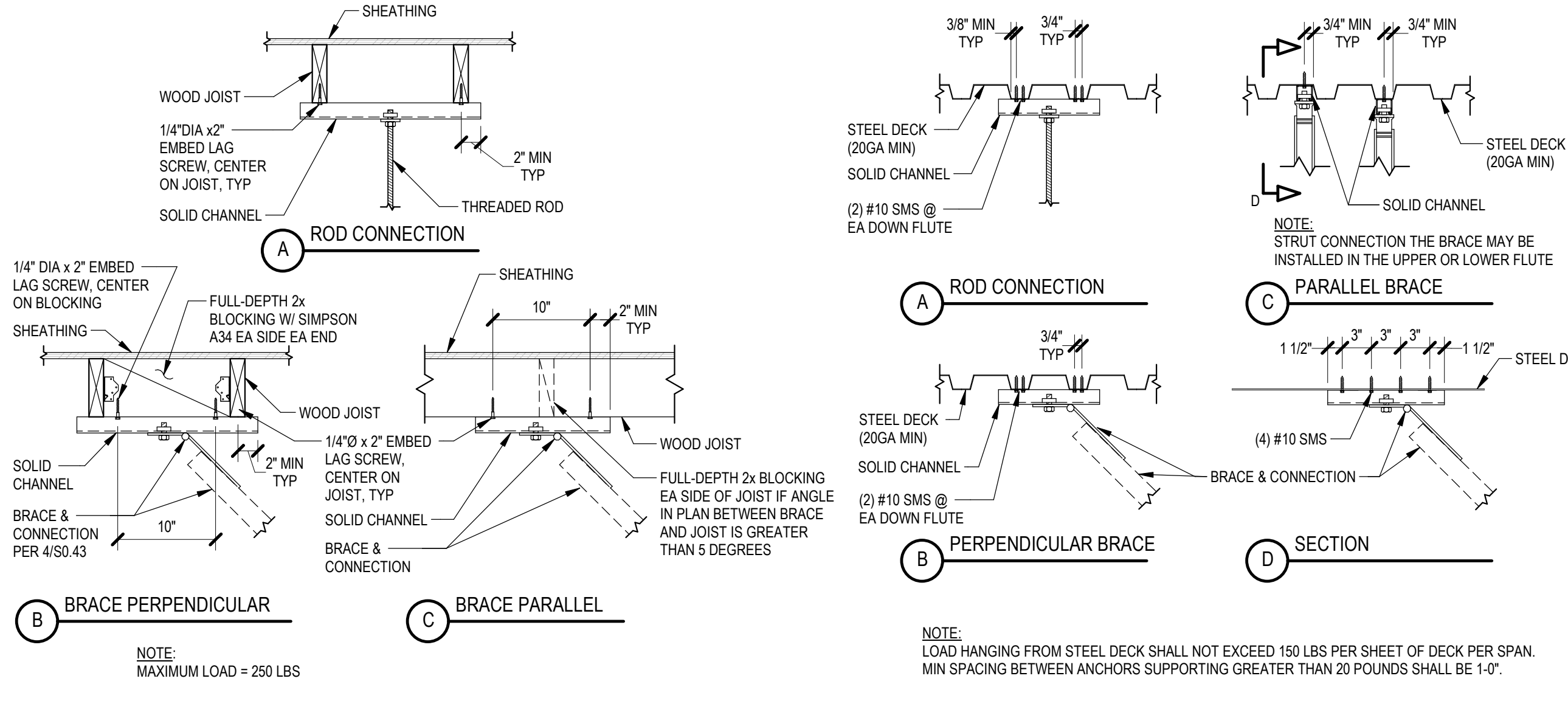
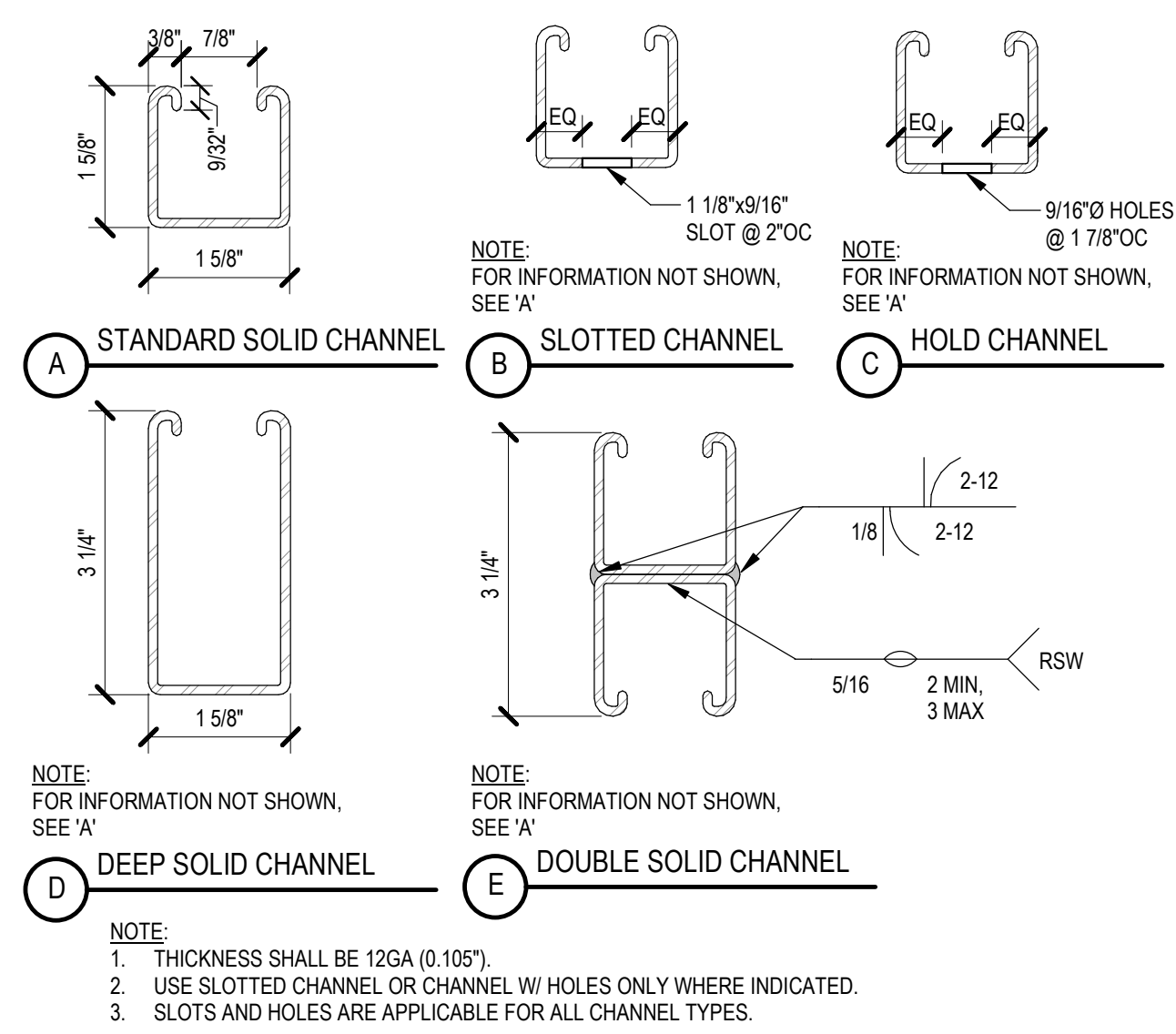
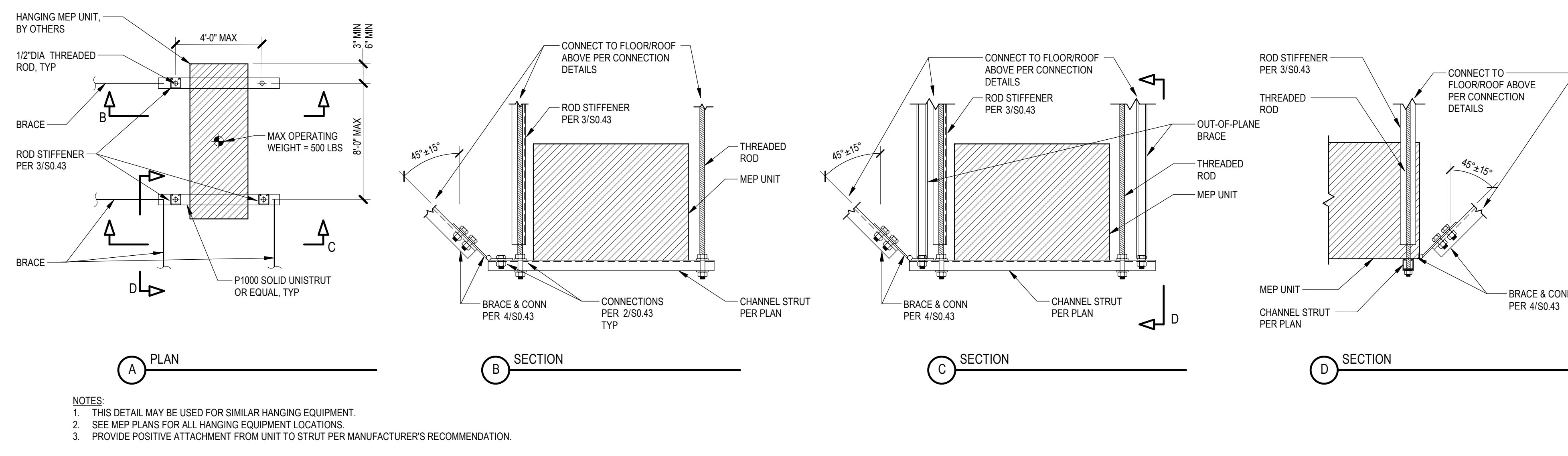
PROJECT NO. 2111010  
 DATE: Issue Date  
 SHEET TITLE:

**TYPICAL STEEL STAIR DETAILS**

SCALE: As indicated

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ANDERSON BRULÉ ARCHITECTS  
325 South First Street, 4th Floor  
San Jose, California 95113  
408.296.1865 | www.aba-arch.com

CONSULTANTS LOGO  
**miyamoto.**  
5500 Baltimore Drive, Suite 100  
La Mesa, CA 92040  
M2228001.05 - V03  
T: (858) 270-8848  
miyamotointernational.com

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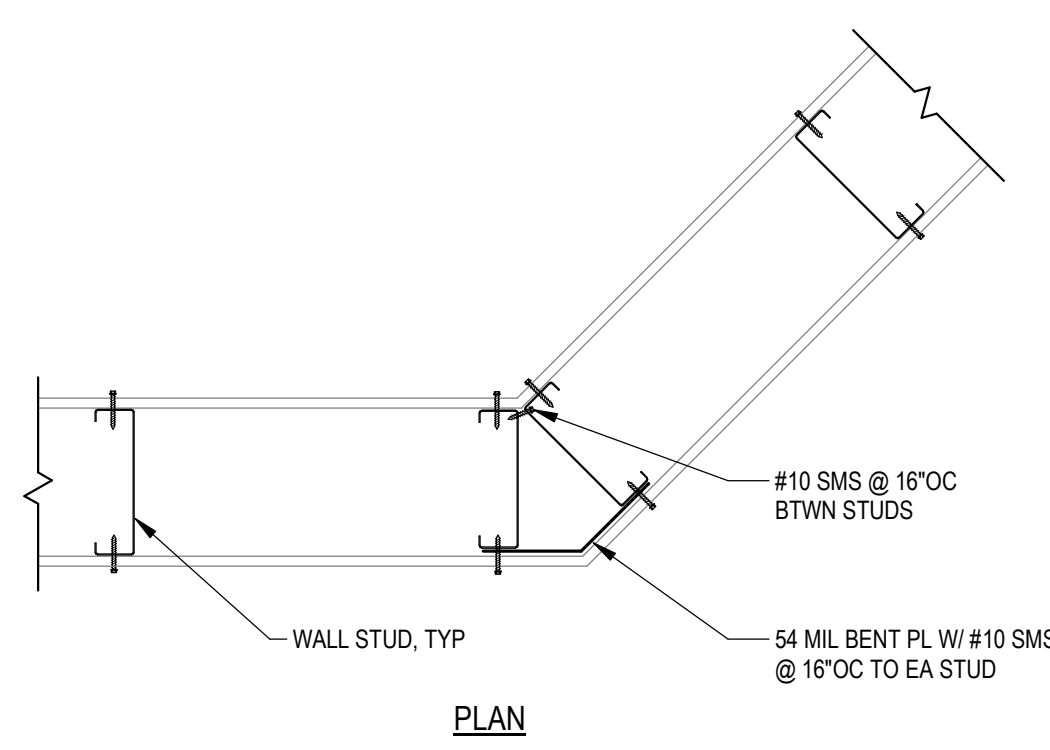
PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**TYPICAL CHANNEL STRUT DETAILS**

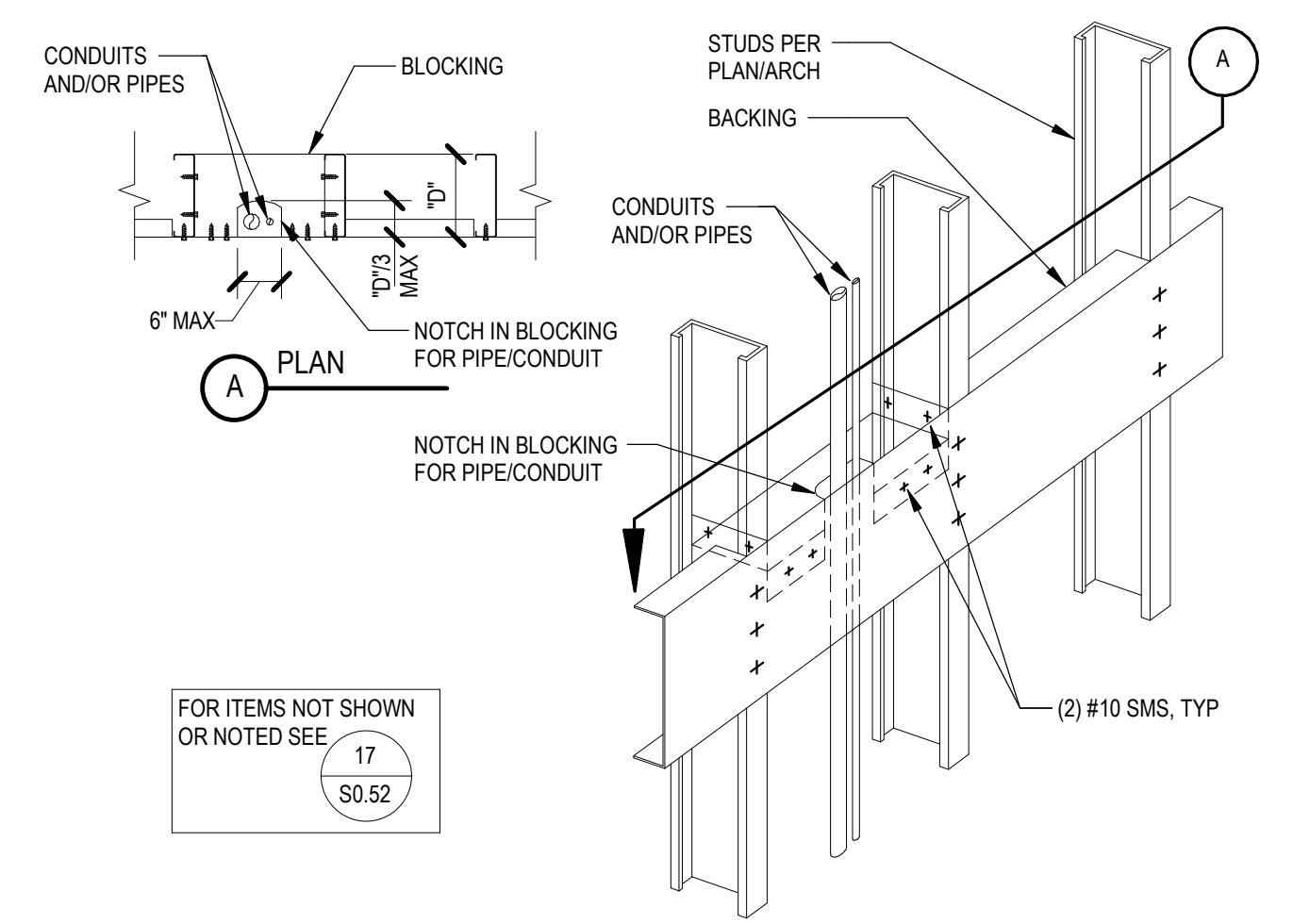
SCALE: As indicated

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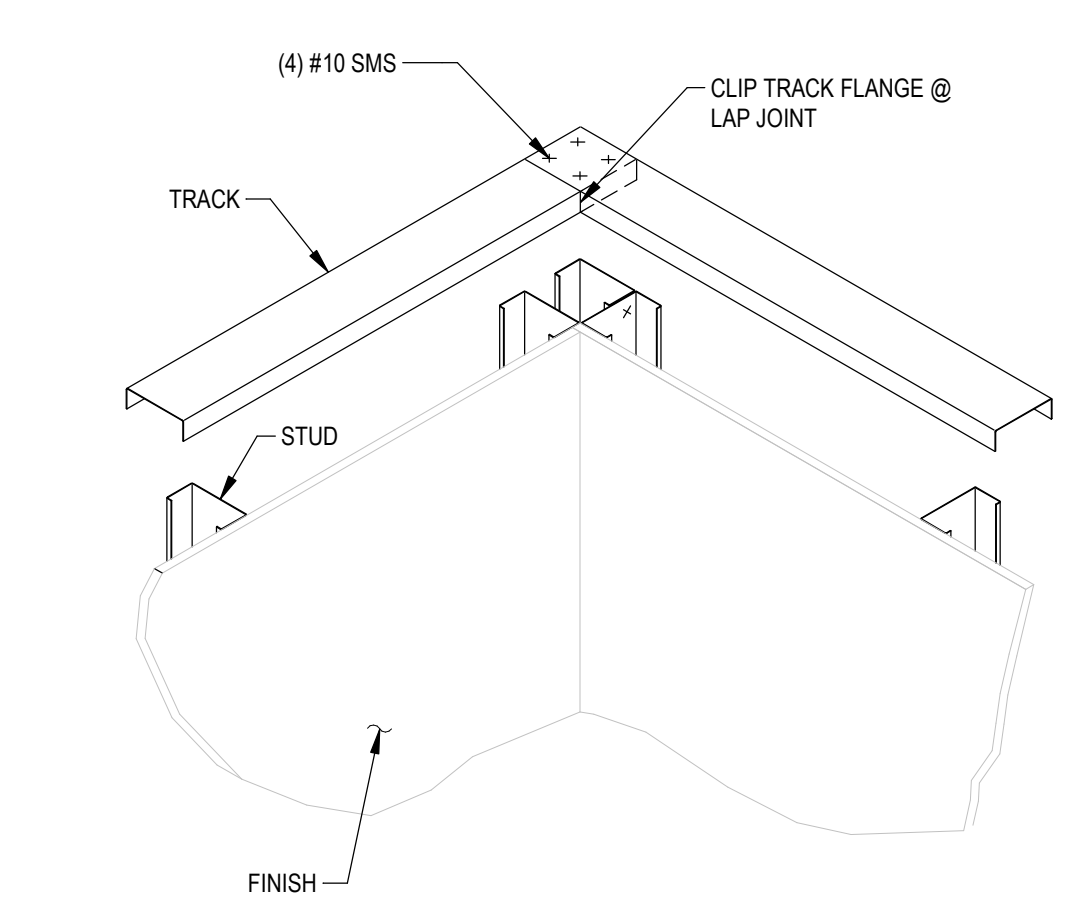




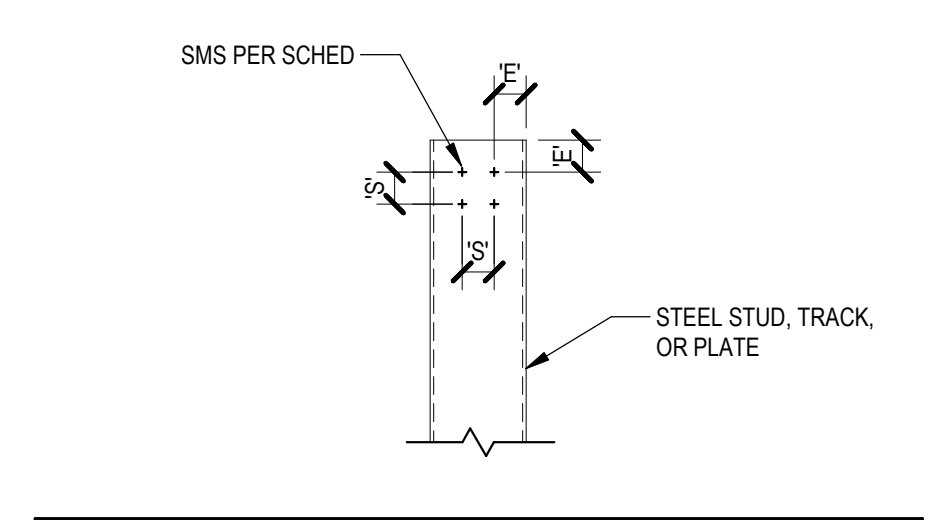
**13 ANGLED WALL**  
NTS 054000-02-0106



**9 NOTCHED BACKING REINFORCEMENT**  
NTS 054000-02-0103



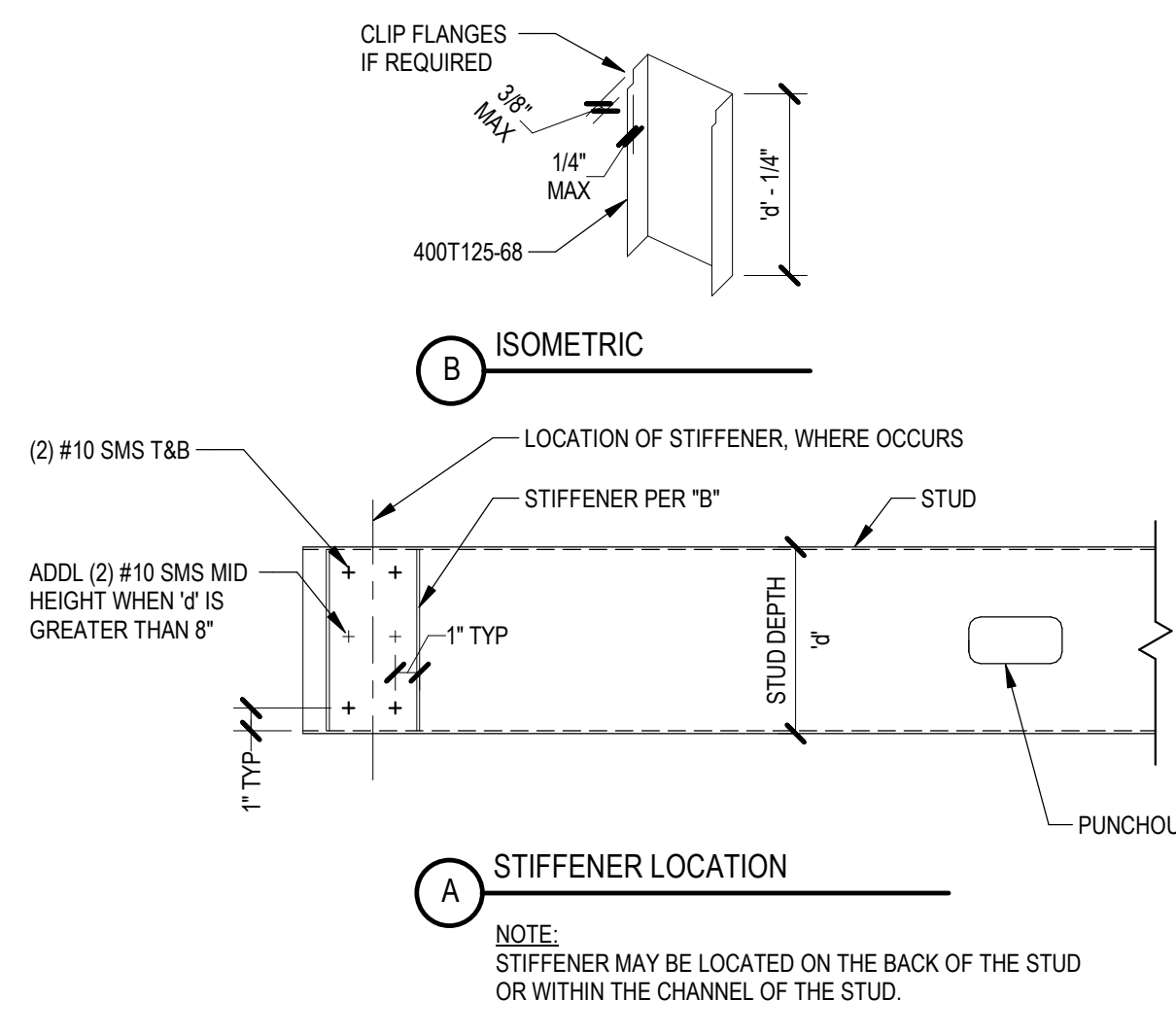
**5 WALL FRAMING AT CORNER**  
NTS 054000-01-0106



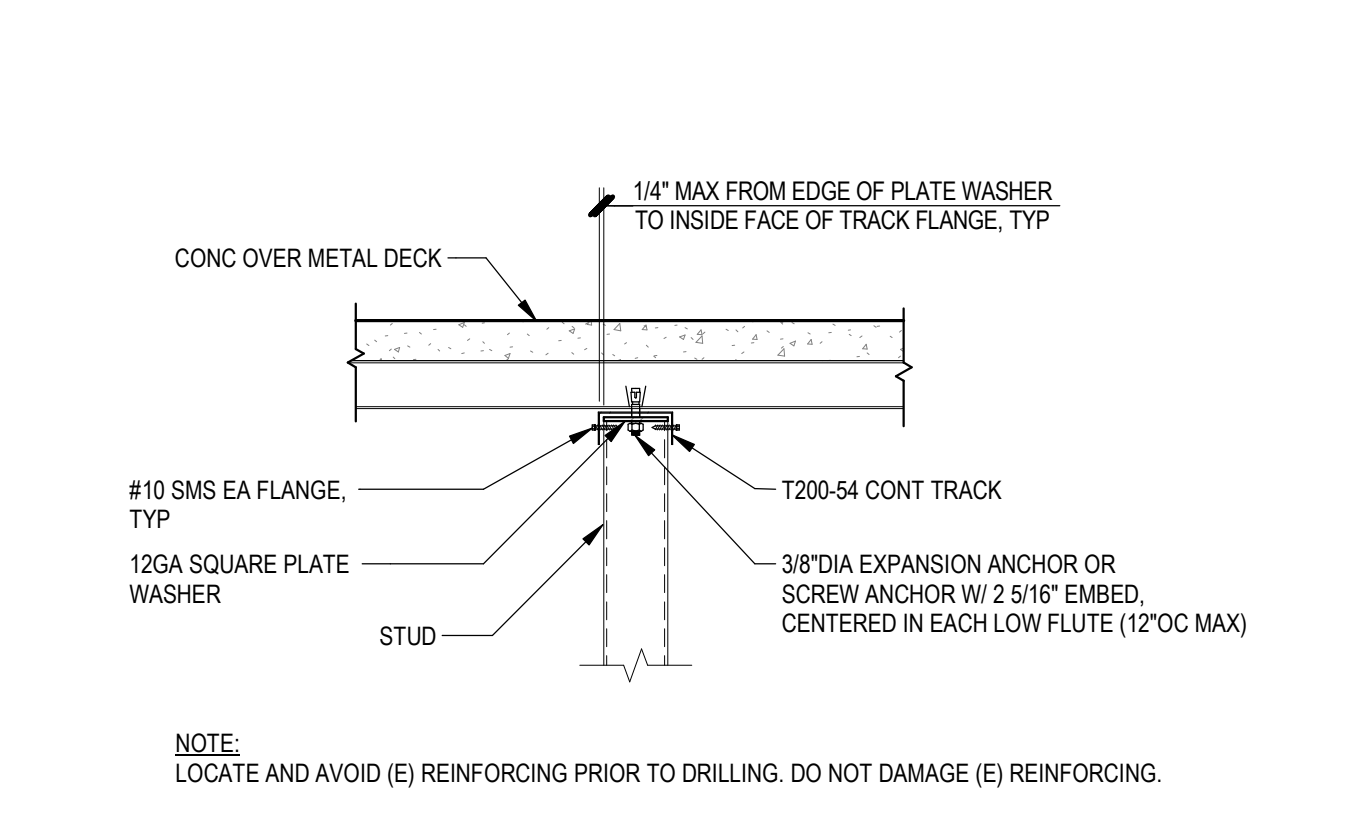
**1 SCREW EDGE DISTANCE & SPACING**  
NTS 054000-02-0100

SCREW DESIGNATION	SCREW DIAMETER	MIN EDGE DISTANCE 'E'	MIN SPACING 'S'
#8	0.164"	1/4"	1/2"
#10	0.190"	3/8"	5/8"
#12	0.216"	3/8"	3/4"
#14 OR 1/4"	0.250"	1/2"	1"

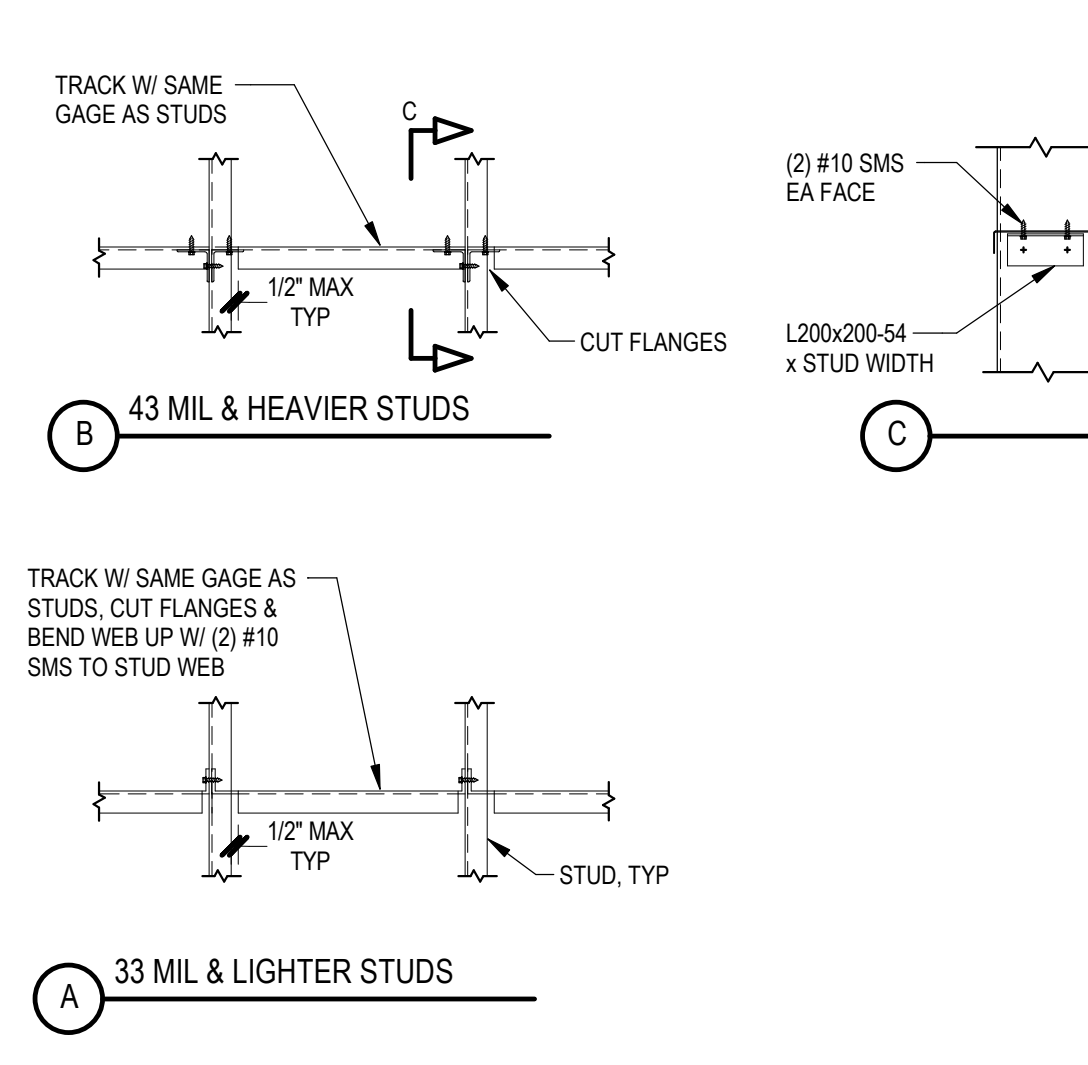
NOTE: USE THE LARGER OF THE DIMENSIONS IN THIS TABLE AND THE DIMENSIONS IN THE SCREWS THIRD PARTY EVALUATION REPORT.



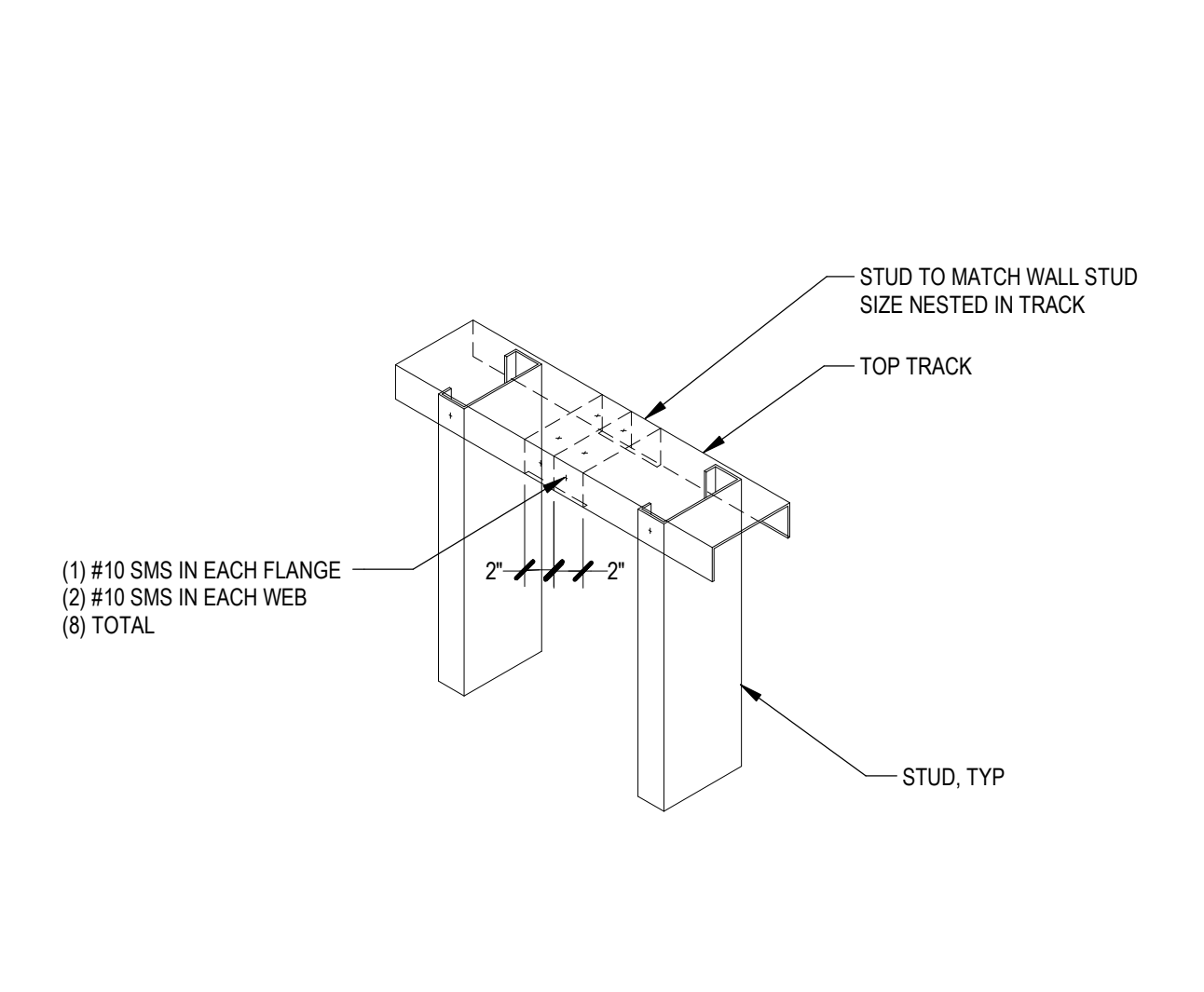
**14 WEB STIFFENER**  
NTS 054000-02-0107



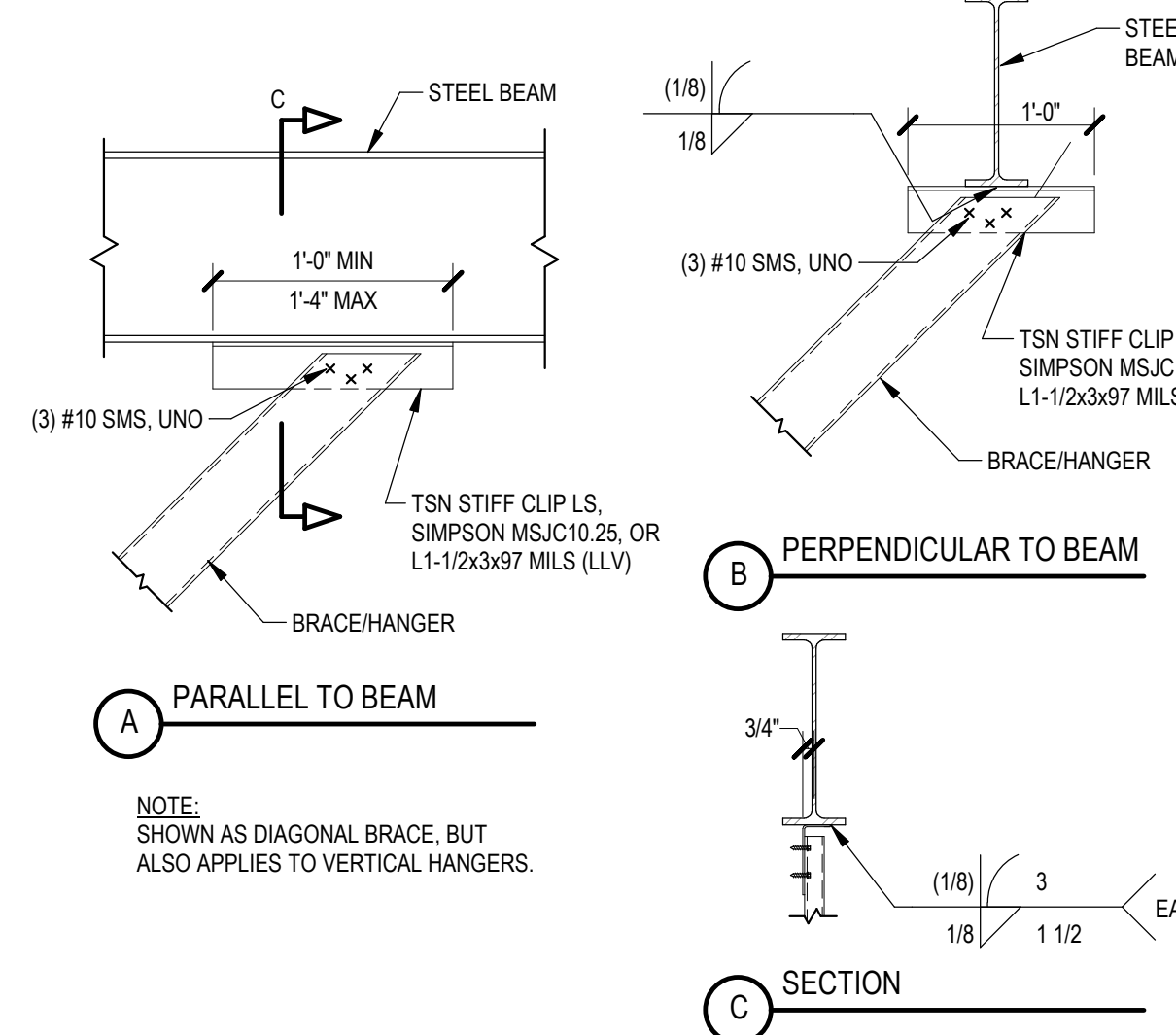
**10 SUSPENDED SOFFIT WALL TO CONCRETE OVER METAL DECK - WALL PERPENDICULAR TO FLUTES**  
NTS 054000-02-0109



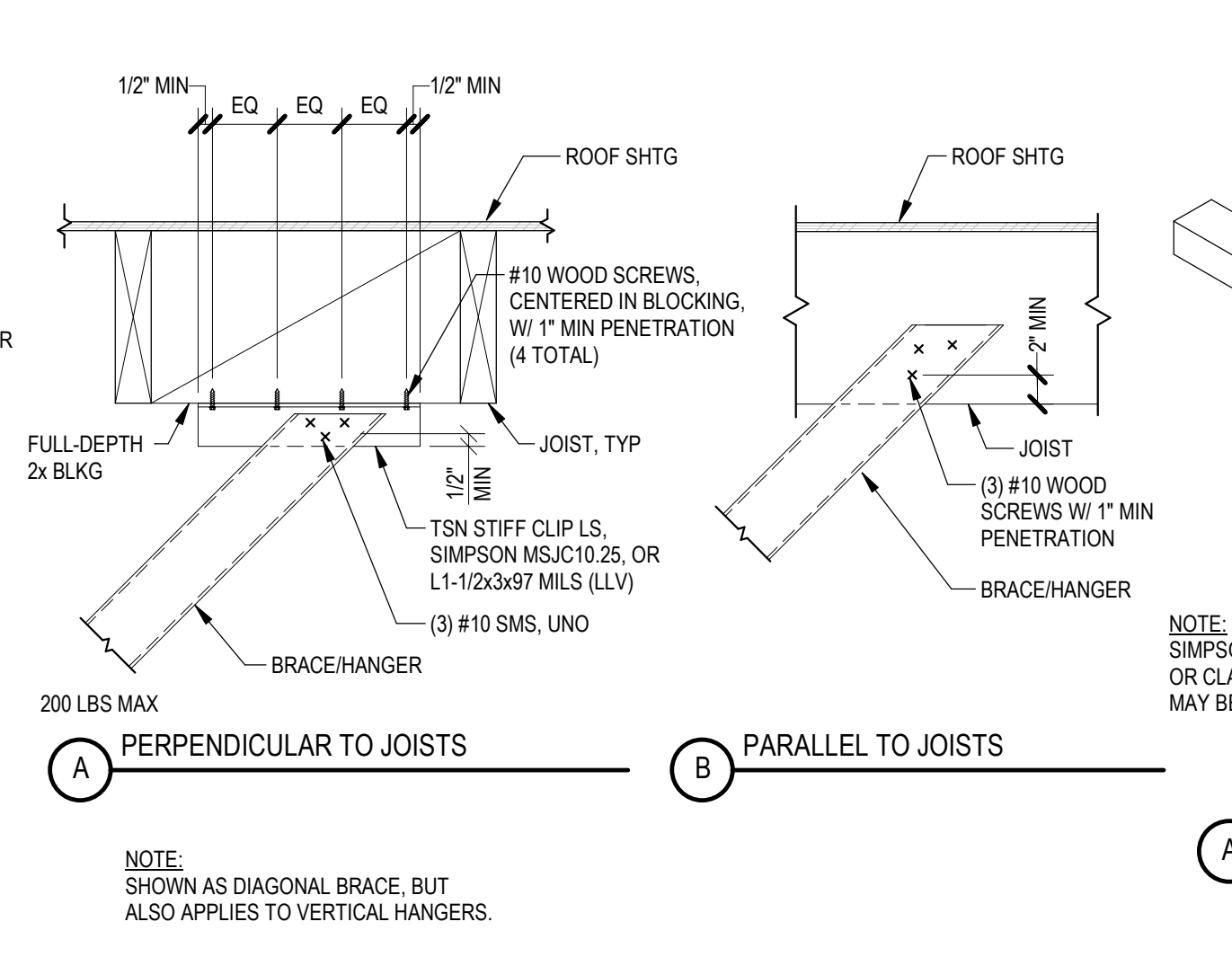
**6 METAL STUD BLOCKING**  
NTS 054000-02-0101



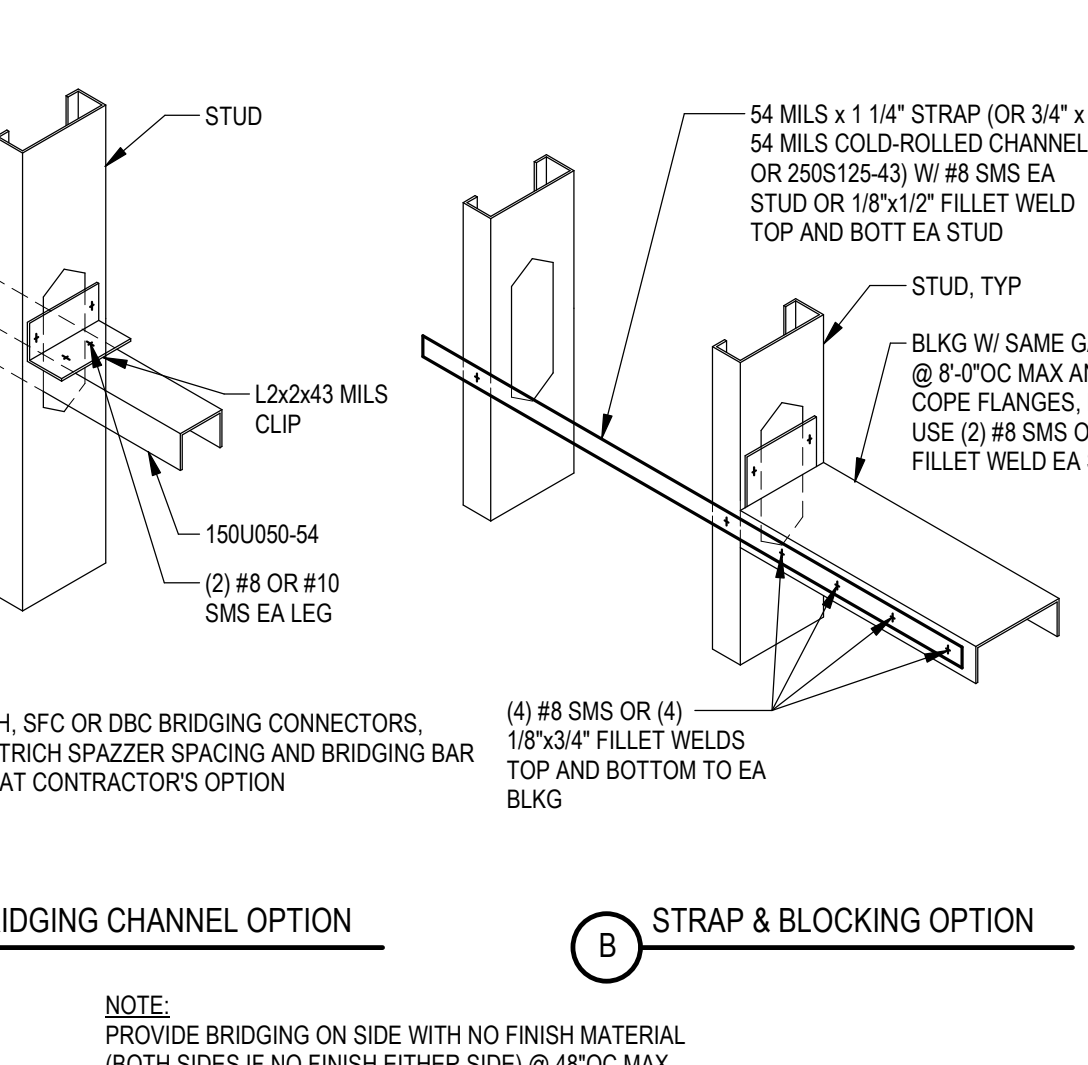
**2 TOP TRACK SPLICE**  
NTS 054000-02-0102



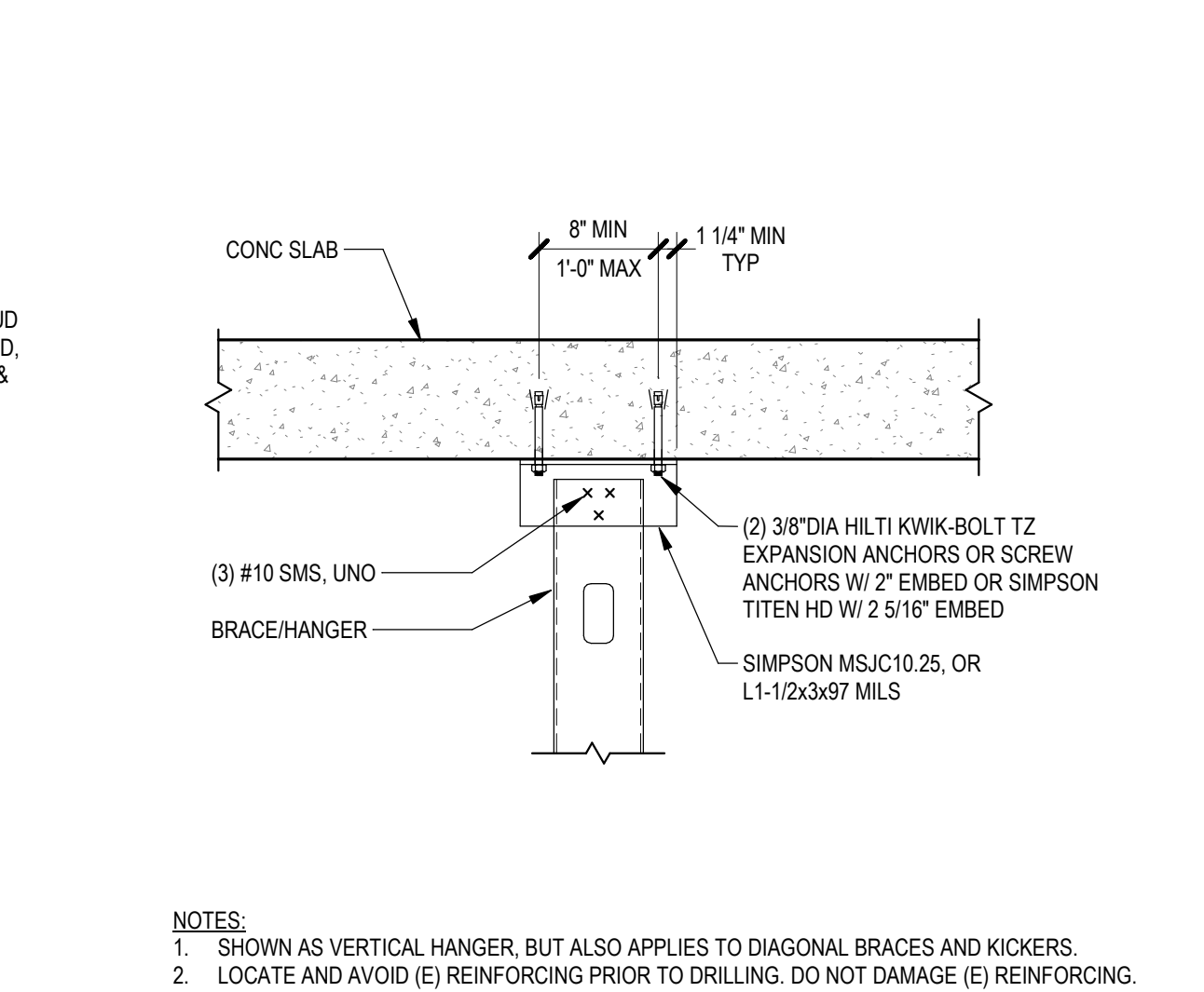
**15 BRACE/HANGER TO STEEL BEAM**  
NTS 054000-02-113



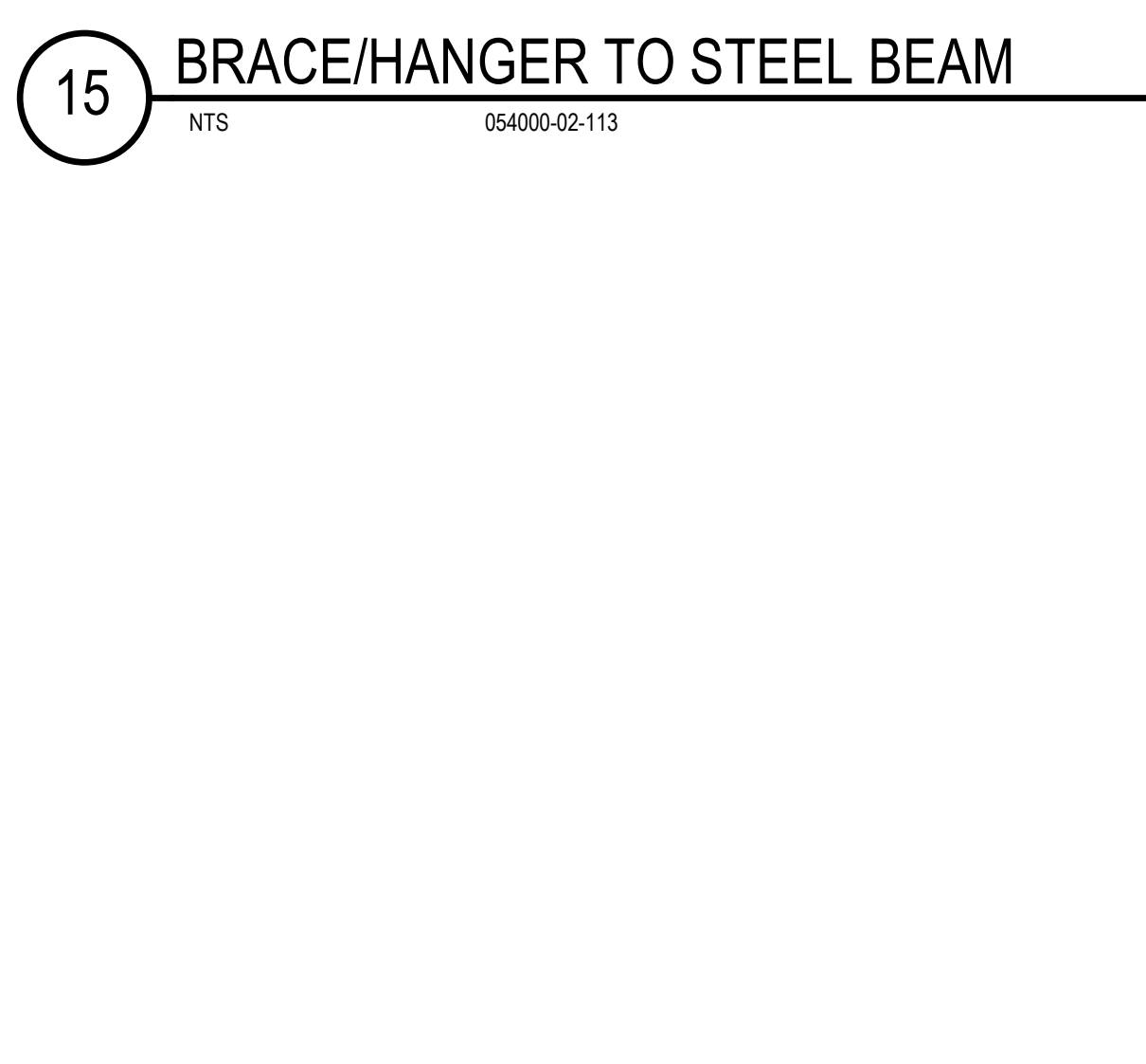
**11 BRACE/HANGER TO WOOD STUD JOISTS**  
NTS 054000-02-0111



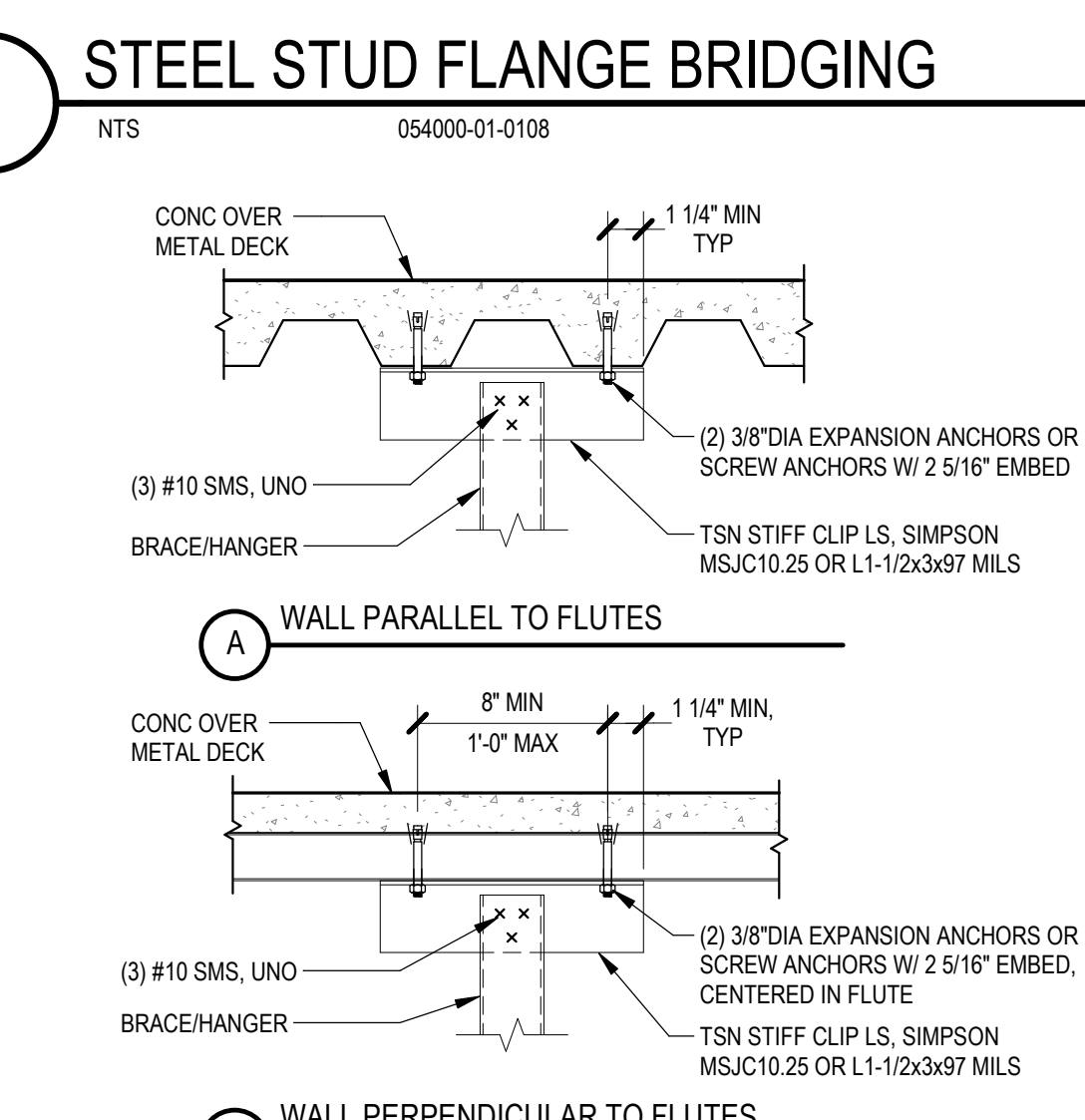
**7 STEEL STUD FLANGE BRIDGING**  
NTS 054000-01-0108



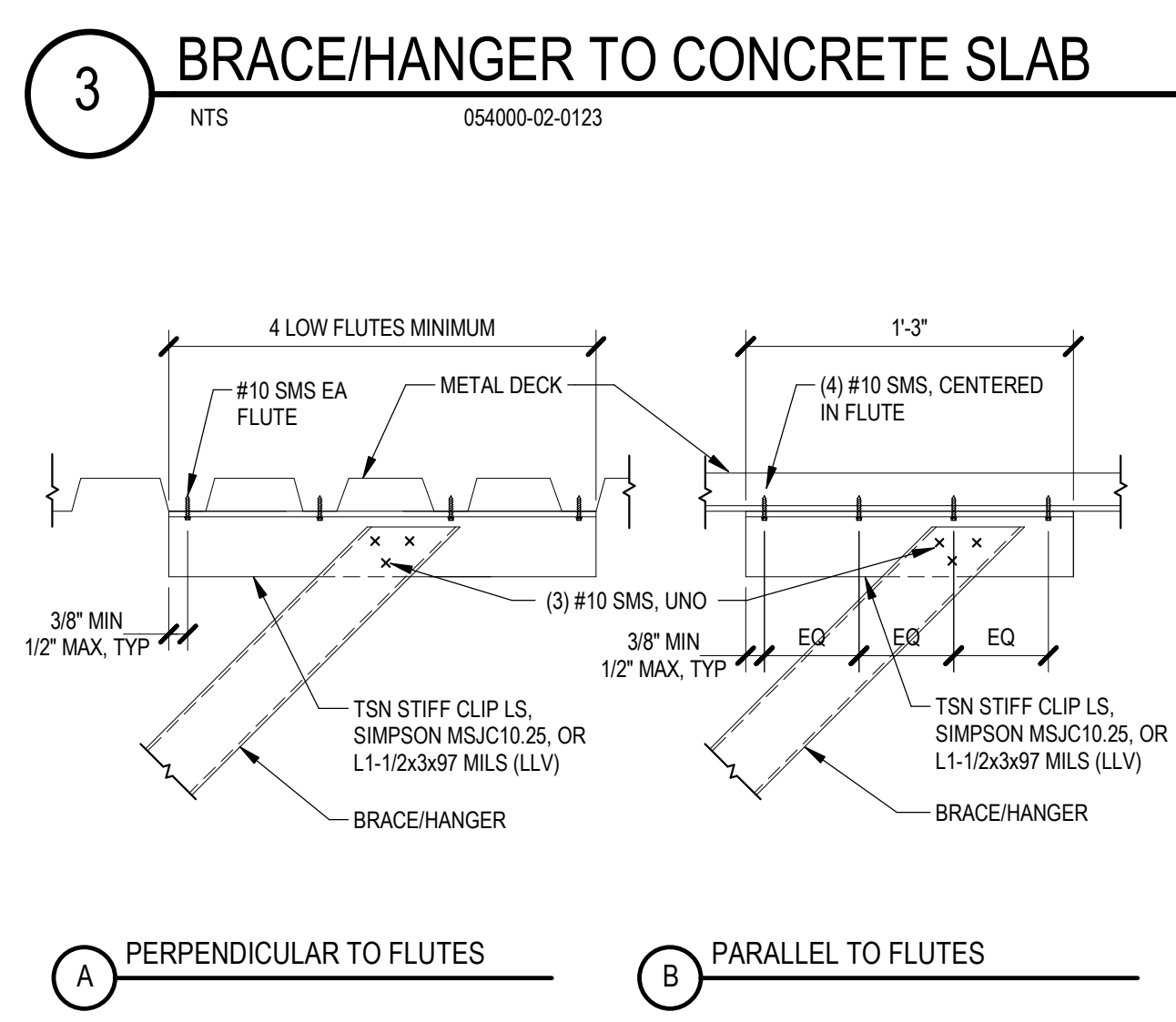
**3 BRACE/HANGER TO CONCRETE SLAB**  
NTS 054000-02-0123



**12 BRACE/HANGER TO WOOD I-JOISTS**  
NTS 054000-02-0112



**8 BRACE/HANGER TO CONCRETE OVER METAL DECK**  
NTS 054000-02-0109



**4 BRACE/HANGER TO METAL DECK**  
NTS 054000-02-0108

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**miyamoto.**

5500 Baltimore Drive, Suite 100 La Mesa, CA 91942 6022890100 - 409 T: (858) 270-8848 miyamotointernational.com

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PROJECT TITLE:

**Altadena Main Library**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
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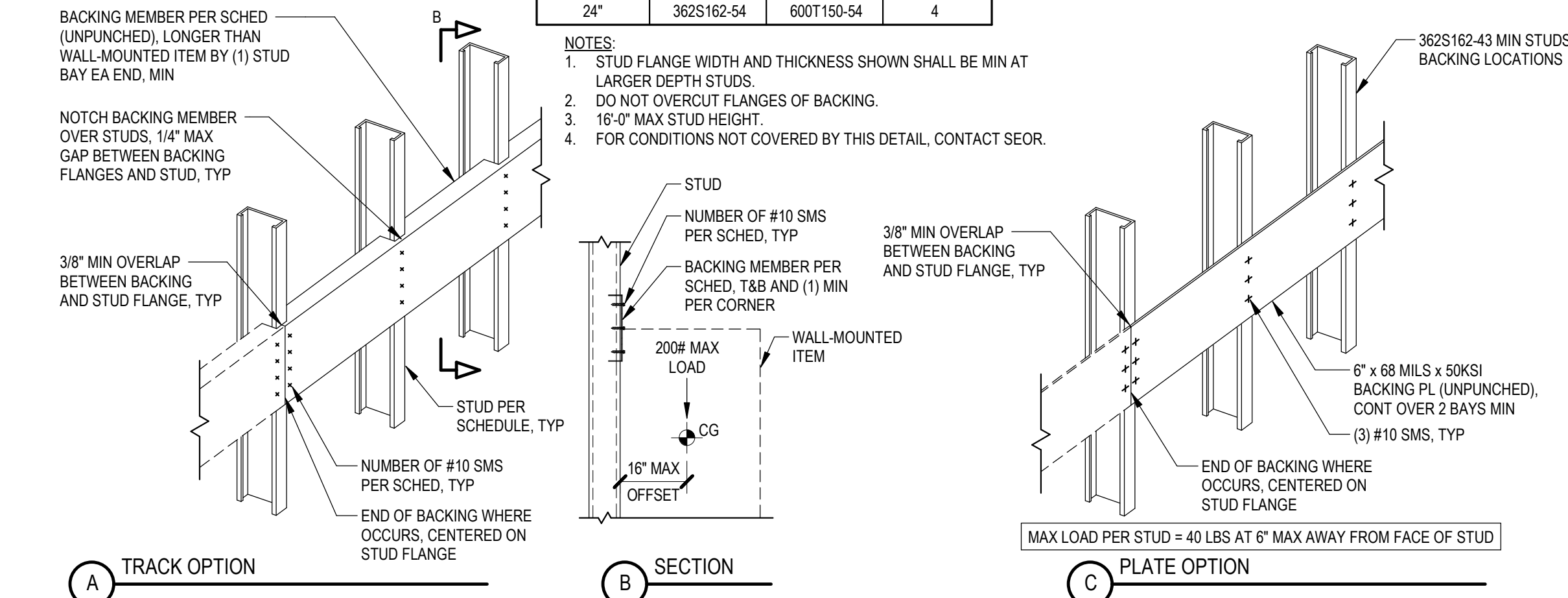
**TYPICAL COLD-FORMED STEEL DETAILS**

SCALE: As indicated

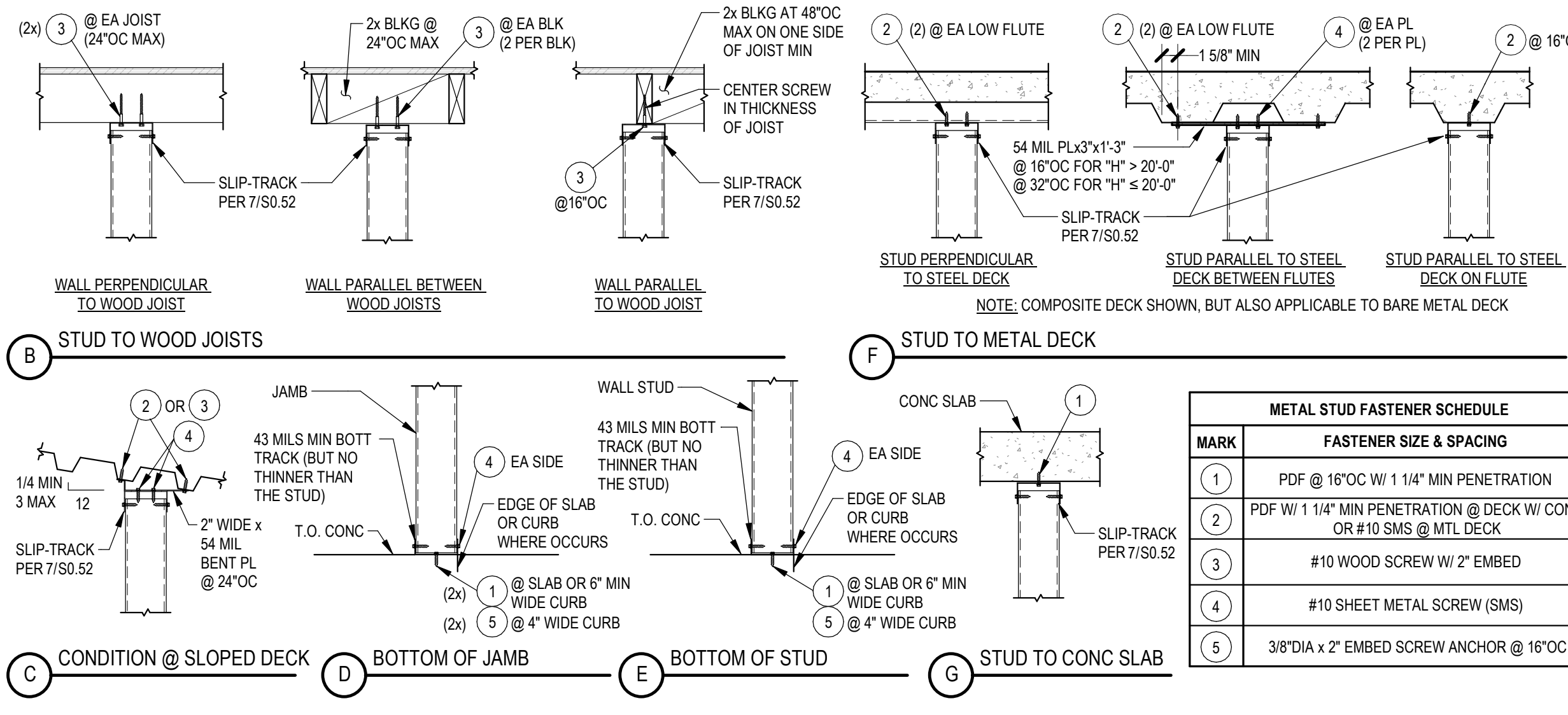
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STUD SPACING	MIN STUD SIZE	BACKING MEMBER	NO OF SMS
12"	3625162-43	3627150-54	4
16"	3625162-54	4007150-54	4
24"	3625162-54	6007150-54	4

NOTES:  
1. STUD FLANGE WIDTH AND THICKNESS SHOWN SHALL BE MIN AT LARGER DEPTH STUDS.  
2. DO NOT OVERCUT FLANGES OF BACKING.  
3. 16" OF MAX STUD HEIGHT.  
4. FOR CONDITIONS NOT COVERED BY THIS DETAIL, CONTACT SECTOR.

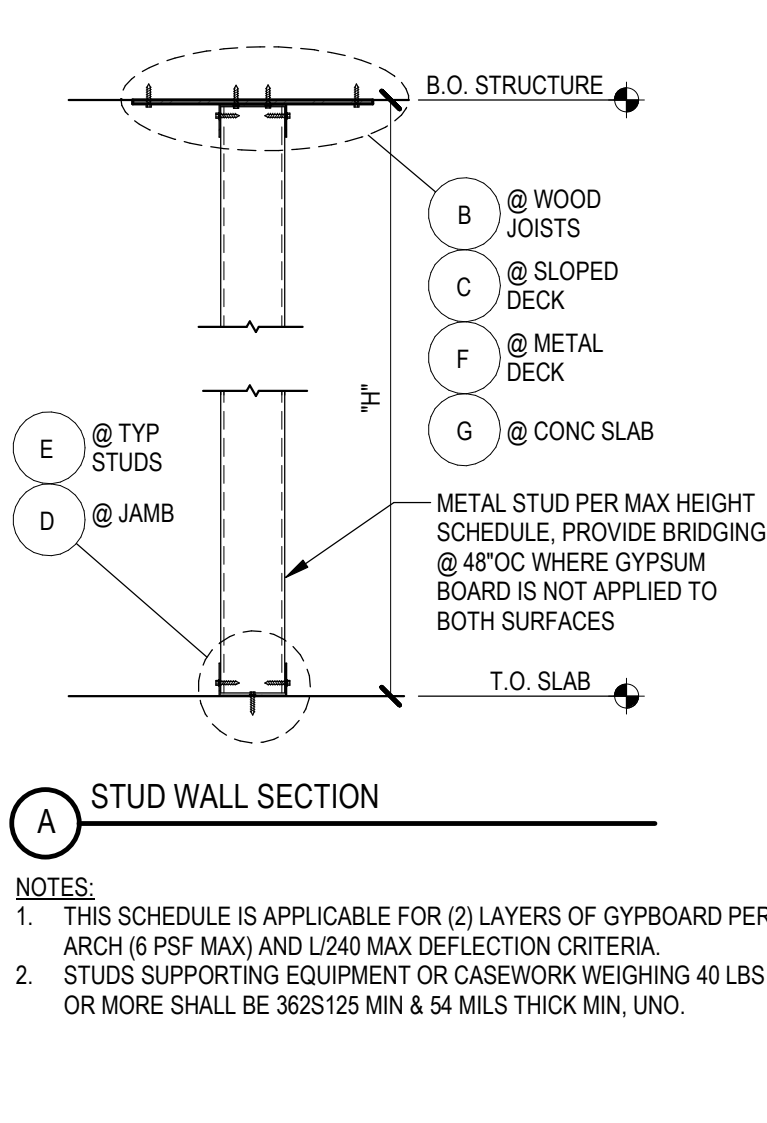


17 WALL-HUNG ITEM BACKING



9 INTERIOR NON-BEARING STUD WALLS

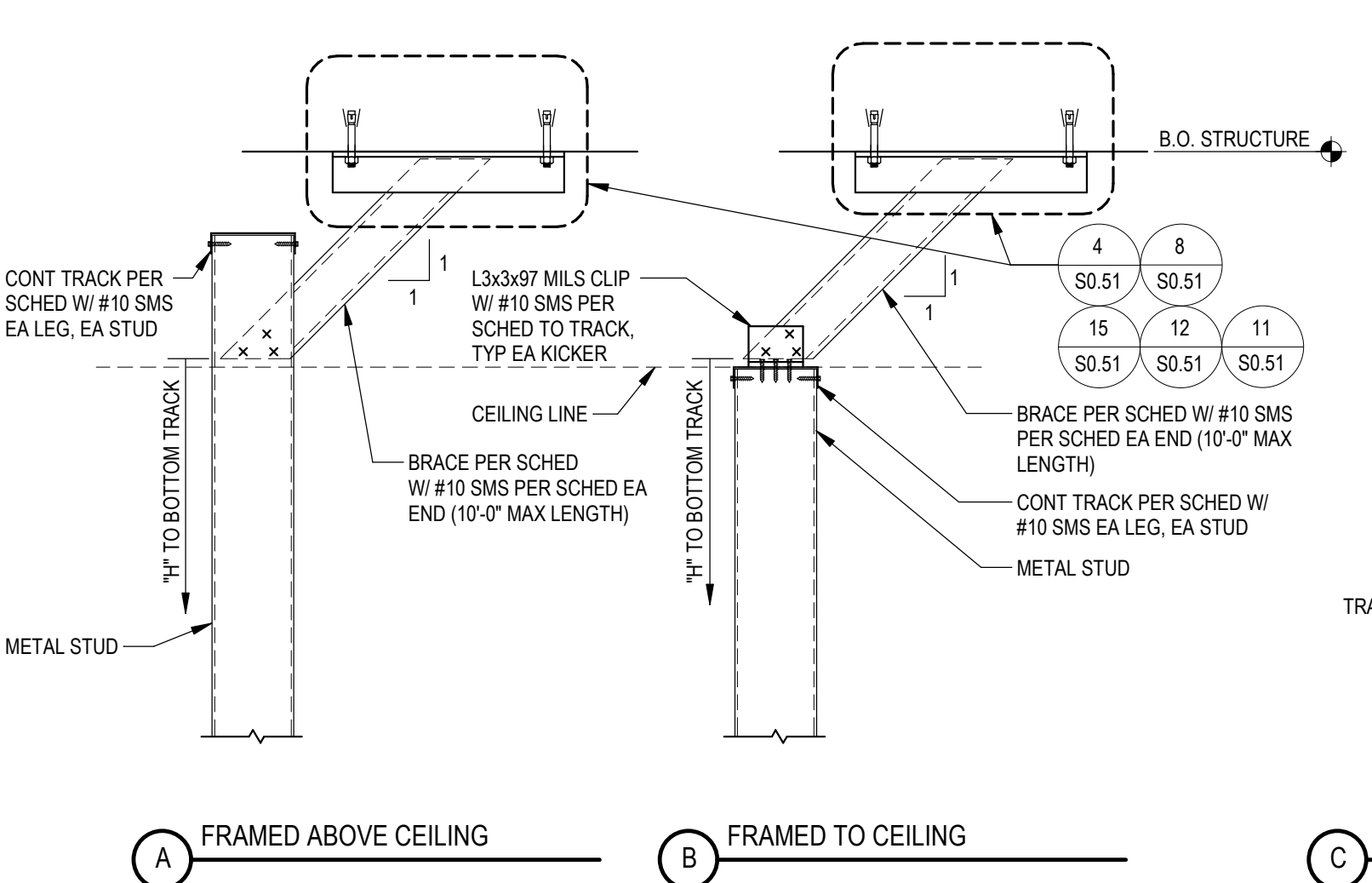
MAX HEIGHT "H" STUD SCHEDULE		12" SPACING				
STUD THK	STUD SIZE	250S125	362S125	400S125	600S125	800S125
68 MILS	16'-4"	21'-11"	23'-9"	33'-0"	42'-0"	-
54 MILS	15'-4"	20'-4"	22'-2"	30'-9"	38'-9"	-
43 MILS	14'-4"	19'-2"	20'-8"	29'-8"	36'-1"	-
33 MILS	13'-2"	17'-7"	19'-0"	26'-2"	32'-8"	-
30 MILS	12'-9"	17'-0"	18'-5"	25'-2"	-	-
27 MILS	12'-4"	16'-5"	17'-9"	-	-	-
18 MILS	10'-6"	14'-11"	-	-	-	-



STUD WALL SECTION

NTS 054000-01-0107

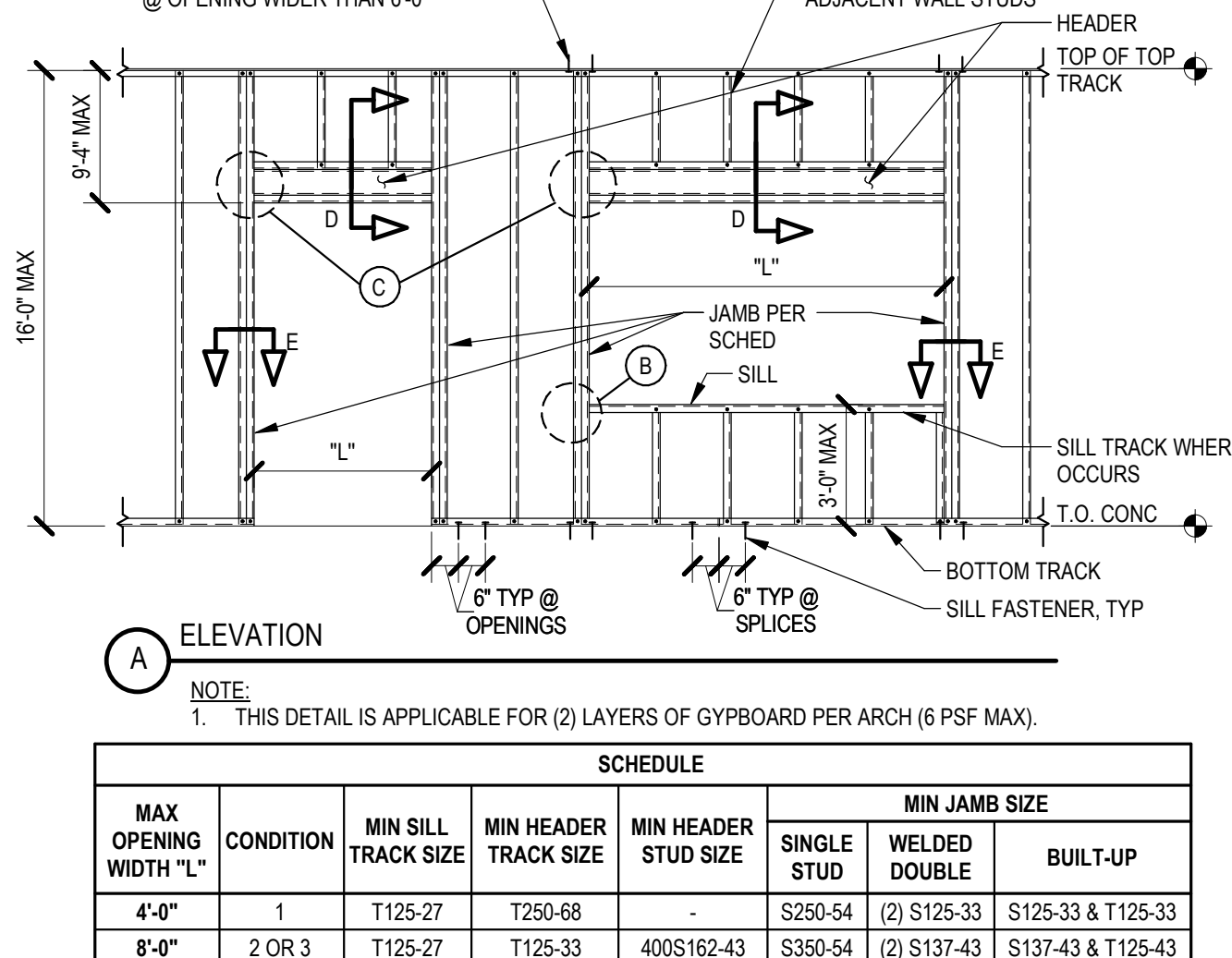
NTS 054000-01-0101



18 NON-BEARING WALL DIAGONAL KICKER

NTS 054000-01-0109

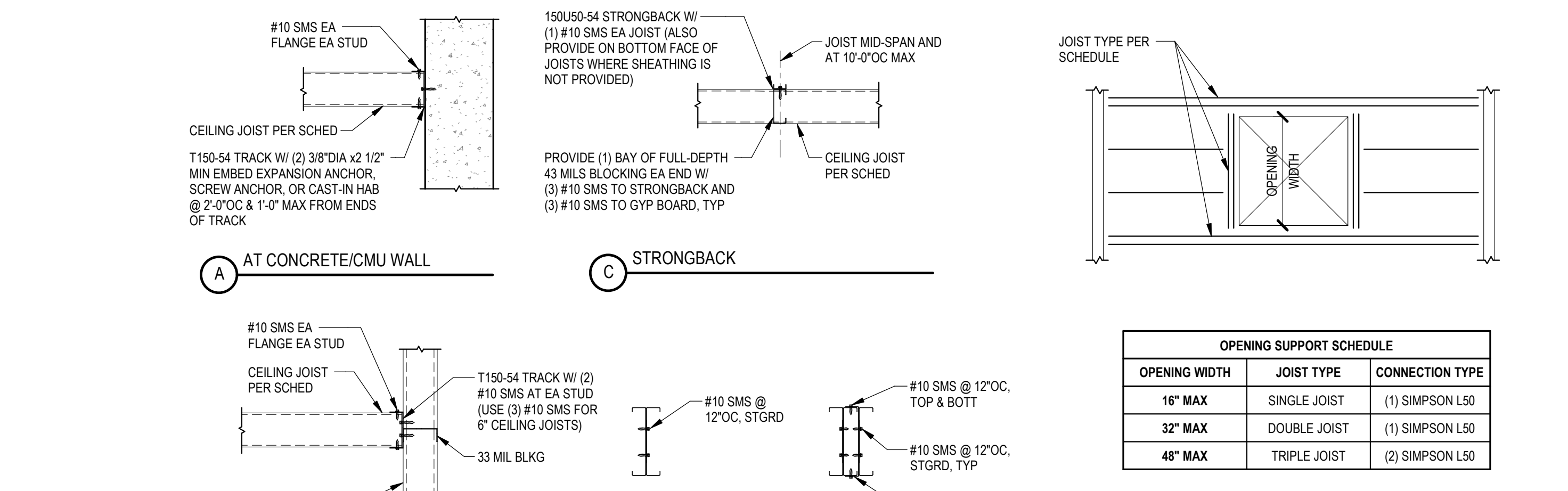
BRACE AND CONNECTION SCHEDULE									
STUD SIZE	MAX BRACE SPACING	MAX HEIGHT "H"	MAX TRACK CANTILEVER	MIN TRACK SIZE	MIN BRACE SIZE	SCREWS			
250S	5'-6"	10'-0"	2'-0"	250T125-30	362T125-43	(3) #10 SMS			
	4'-0"	16'-0"	2'-0"	250T125-30	362T125-33	(2) #10 SMS			
362S	6'-6"	10'-0"	3'-0"	362T125-30	362T125-43	(3) #10 SMS			
	5'-6"	16'-0"	2'-0"	362T125-33	362T125-43	(3) #10 SMS			
400S	7'-0"	10'-0"	3'-0"	400T125-30	362T125-33	(2) #10 SMS			
	7'-0"	16'-0"	3'-0"	400T125-43	362T125-43	(3) #10 SMS			
600S	8'-0"	10'-0"	4'-0"	600T125-30	362T125-43	(3) #10 SMS			
	8'-0"	20'-0"	4'-0"	600T125-43	362T125-43	(4) #10 SMS			
800S	10'-0"	10'-0"	4'-0"	800T125-43	362T125-43	(3) #10 SMS			
	8'-6"	20'-0"	4'-0"	800T125-43	362T125-54	(5) #10 SMS			



10 INTERIOR NON-BEARING WALL OPENING FRAMING

NTS 054000-01-0100

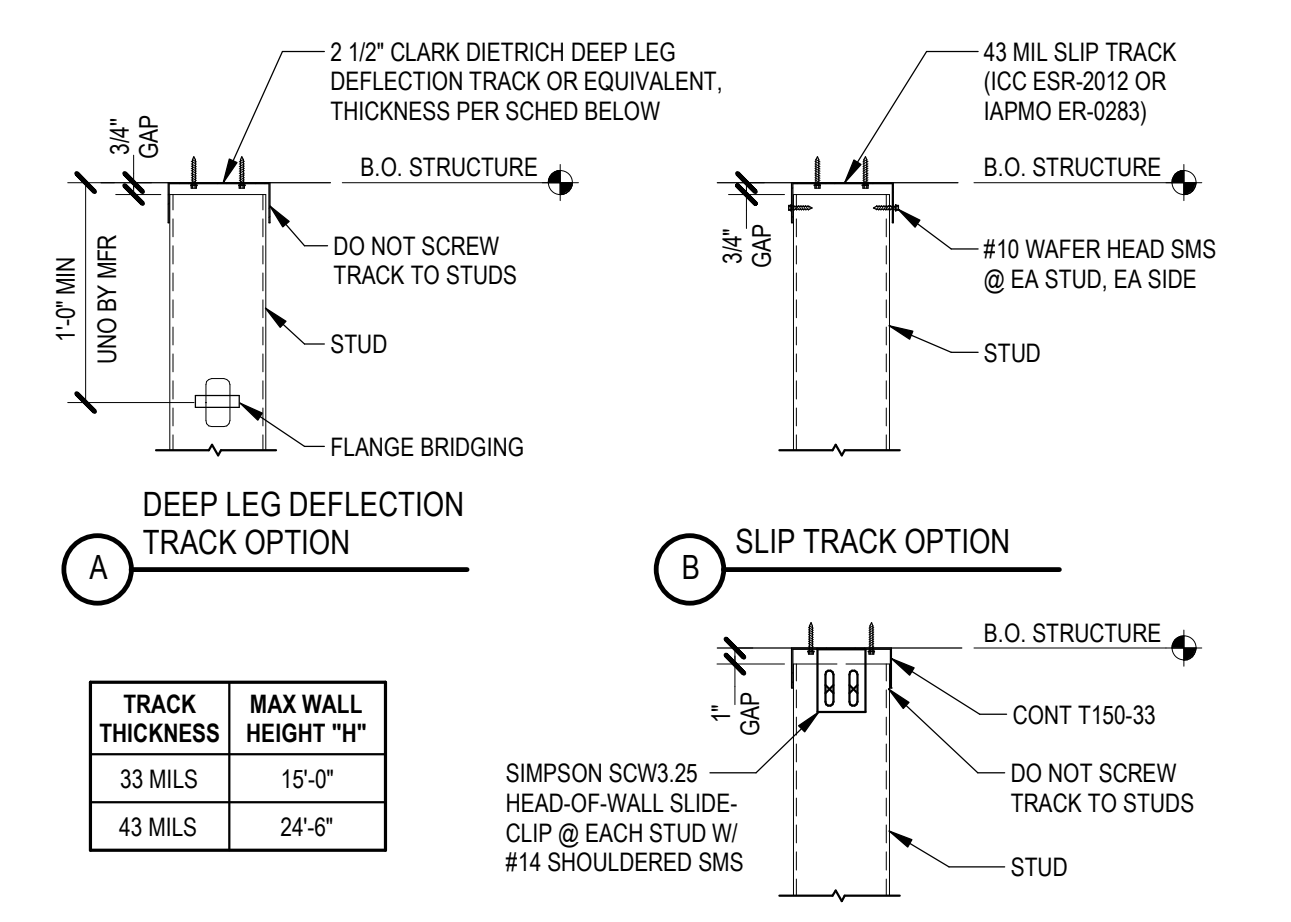
MAX CEILING JOIST SPAN SCHEDULE		16" SPACING					
STUD THK	MEMBER SIZE	NO STRONGBACK			WITH STRONGBACK		
		362S137	400S137	600S137	362S137	400S137	600S137
43 MILS	11'-7"	12'-0"	13'-5"	16'-7"	17'-0"	19'-3"	
33 MILS	10'-7"	10'-11"	12'-5"	15'-2"	15'-7"	17'-10"	
30 MILS	10'-3"	10'-7"	12'-0"	14'-8"	15'-1"	17'-3"	
27 MILS	9'-11"	10'-3"	11'-9"	14'-3"	14'-8"	16'-9"	



NOTE: THIS SCHEDULE IS APPLICABLE FOR (1) LAYER OF GYPSOARD PER ARCH (6 PSF MAX) AND L240 MAX DEFLECTION CRITERIA.

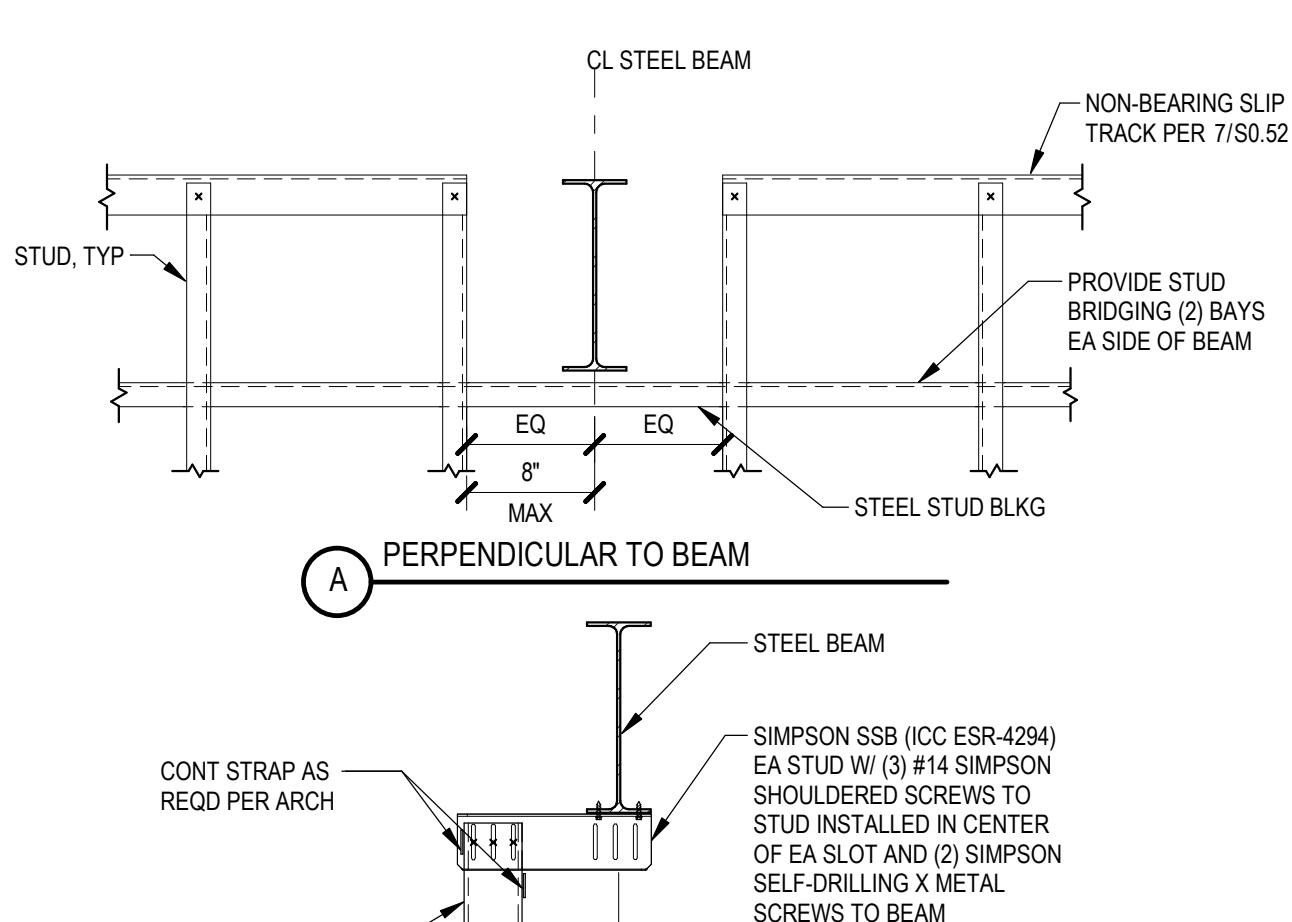
19 INTERIOR CEILING JOIST SCHEDULE & DETAILS

NTS 054000-02-0118



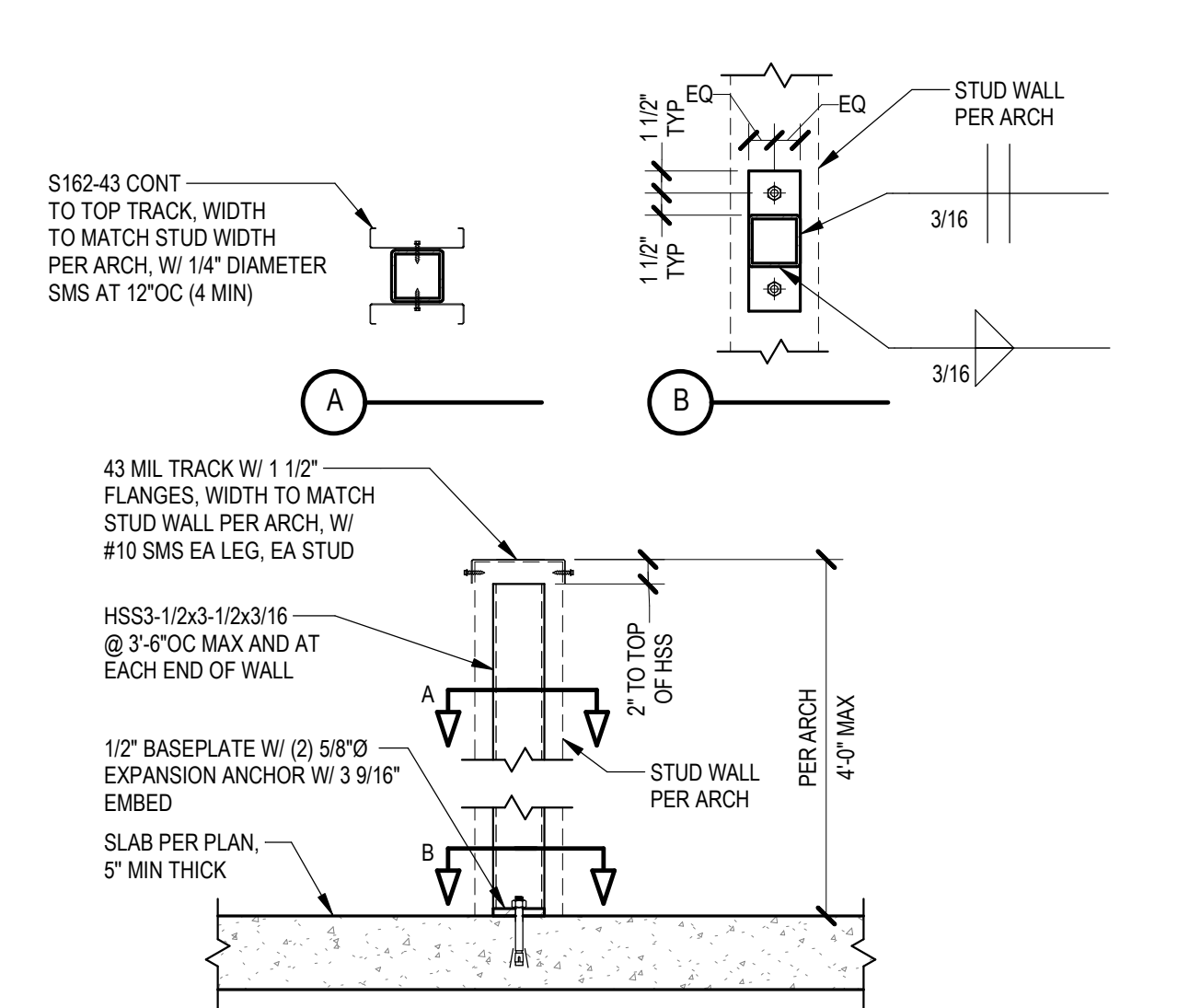
7 DEFLECTION TRACK ASSEMBLY

NTS 054000-01-0105



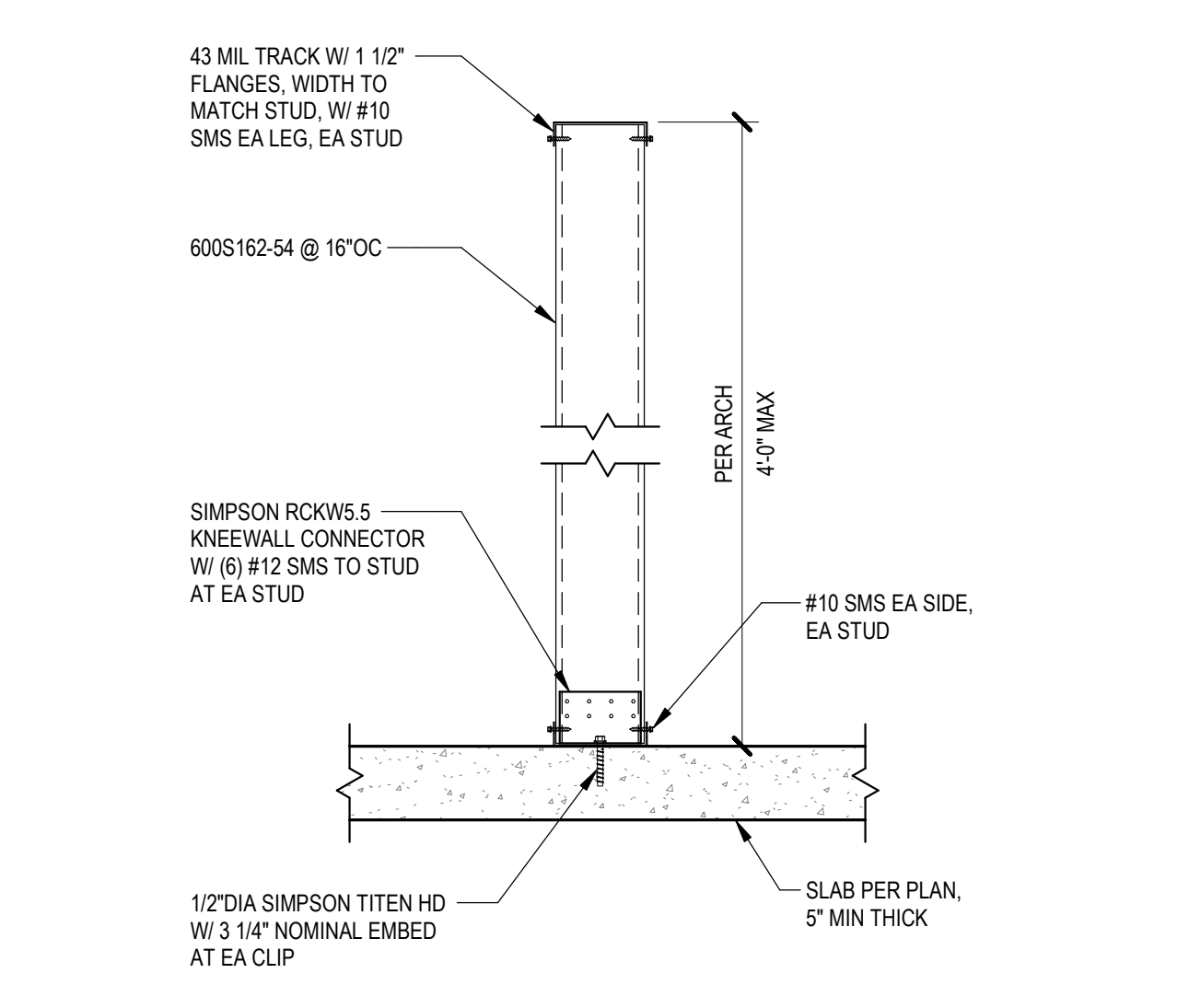
3 TOP OF WALL AT STEEL BEAM

NTS 054000-02-0116



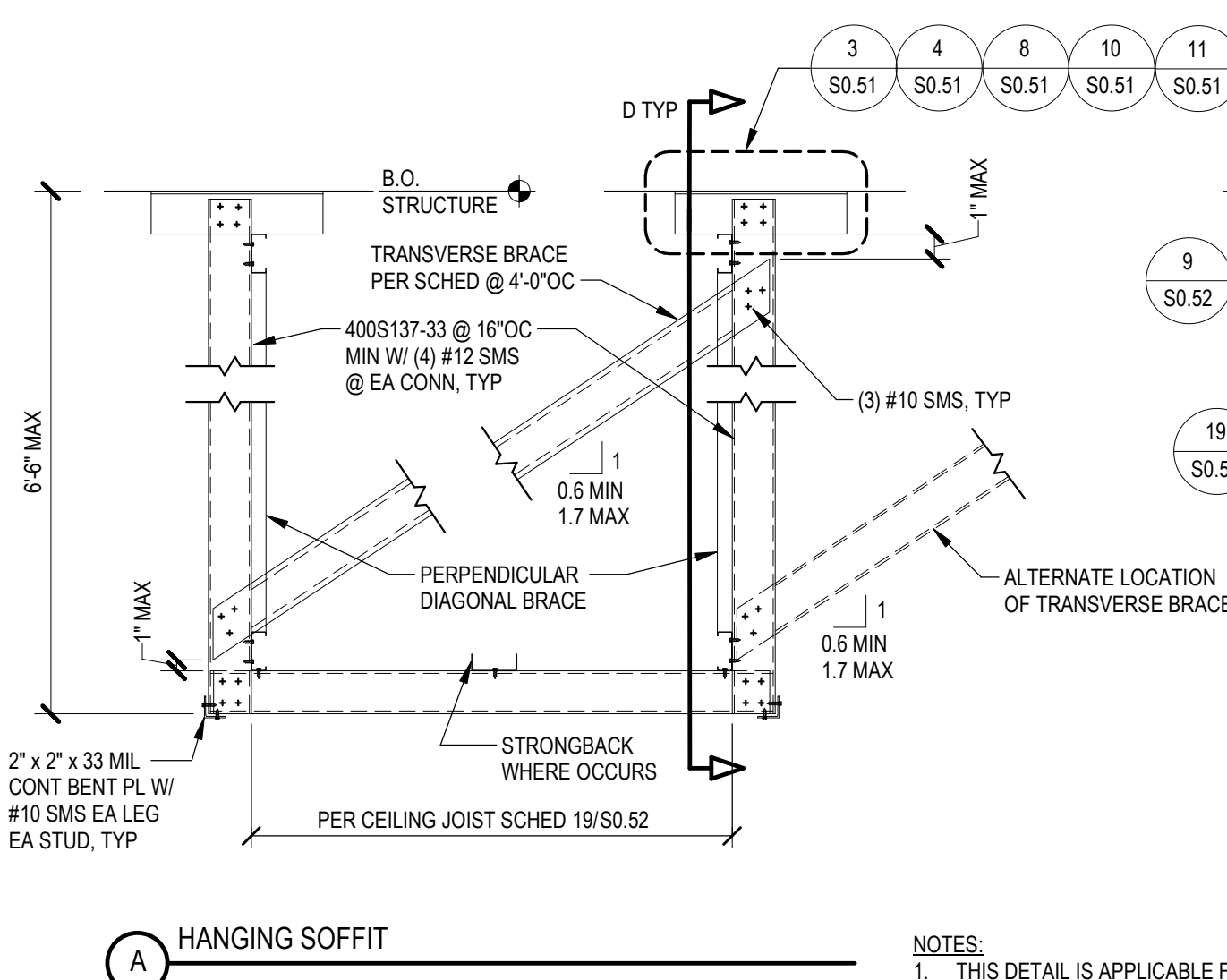
20 PARTIAL HEIGHT INT PARTITION - HSS

1" = 1'-0"



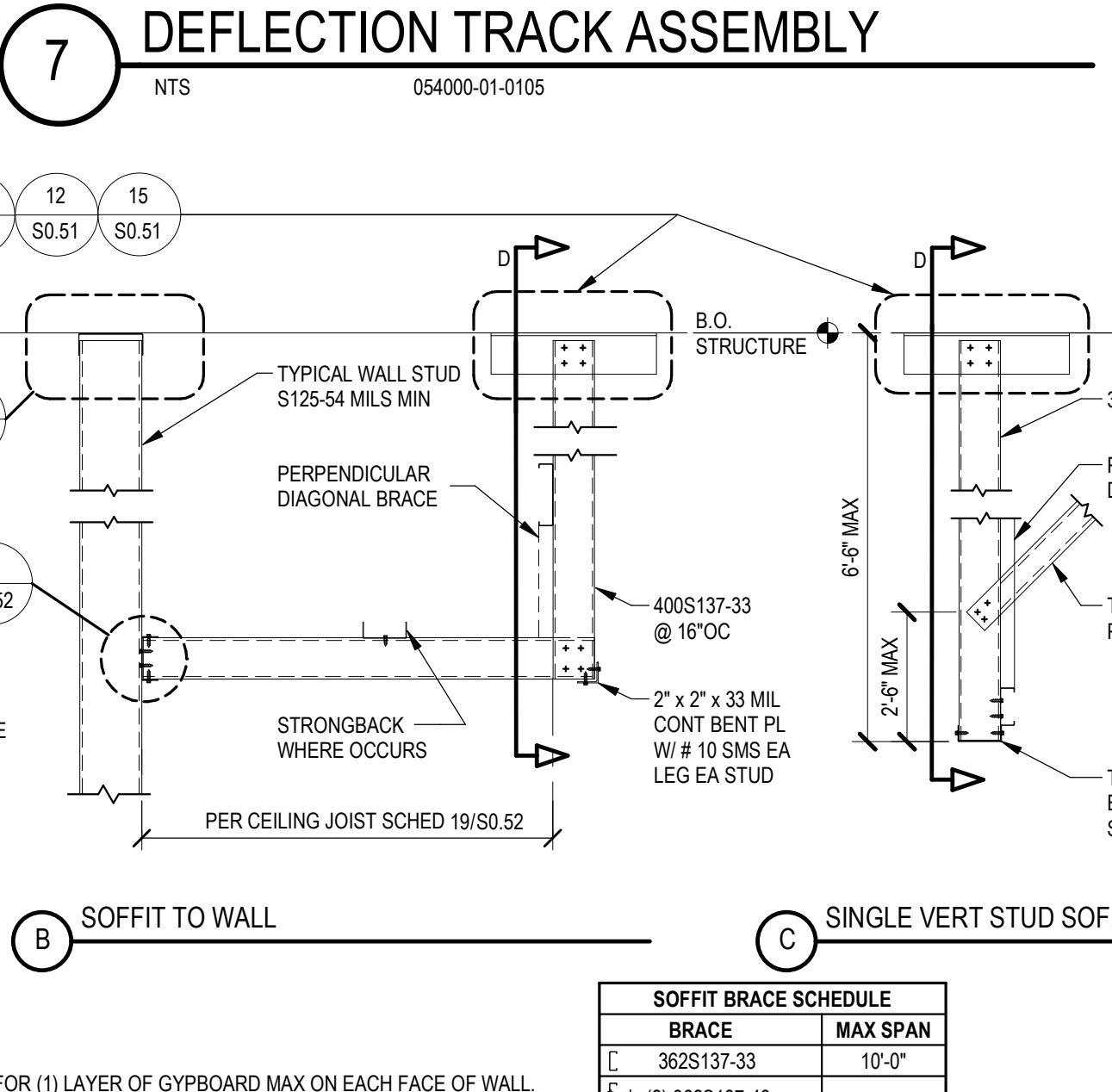
16 PARTIAL HEIGHT INT PARTITION - STUDS

1" = 1'-0"



12 SOFFIT FRAMING

NTS 054000-02-0115



SOFFIT BRACE SCHEDULE

NTS 054000-02-0115

CONSULTANTS LOGO

**miyamoto.**

5500 Baltimore Drive, Suite 100  
La Mesa, CA 91942  
MID22801.05 - V20

T: (858) 270-8848  
miyamotointernational.com

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PROJECT TITLE:

**Altadena Main Library**

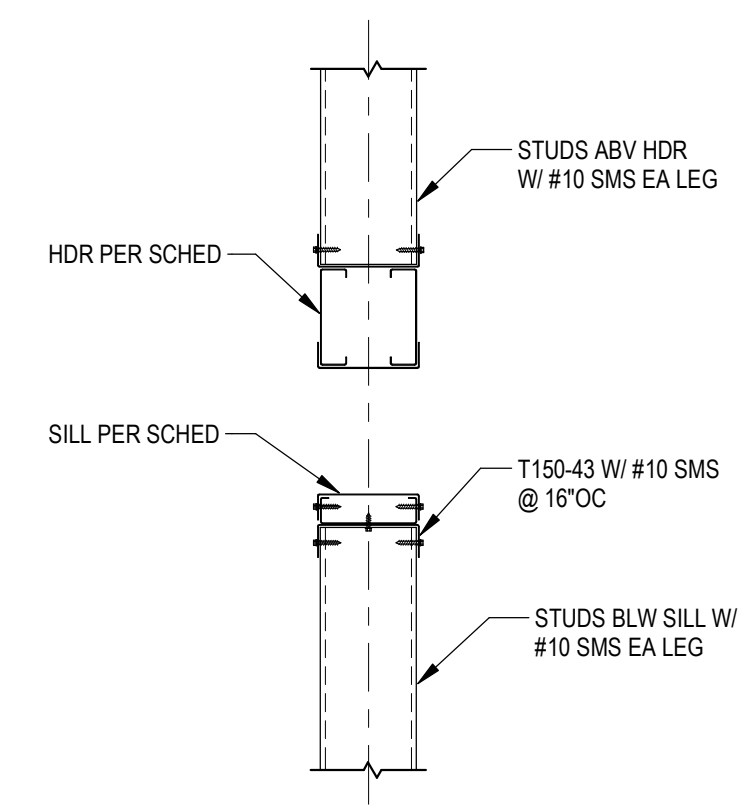
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ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

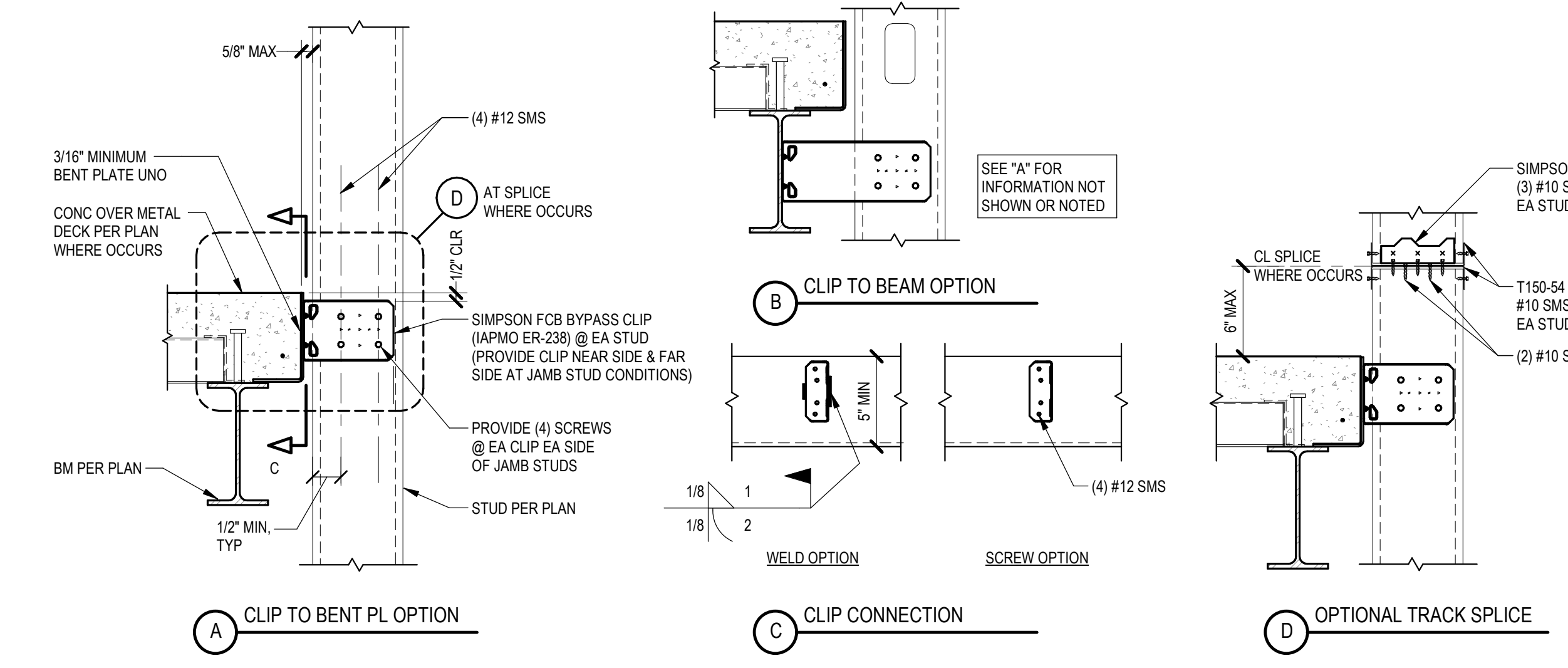
**TYPICAL INTERIOR COLD-FORMED STEEL DETAILS**

SCALE: As indicated

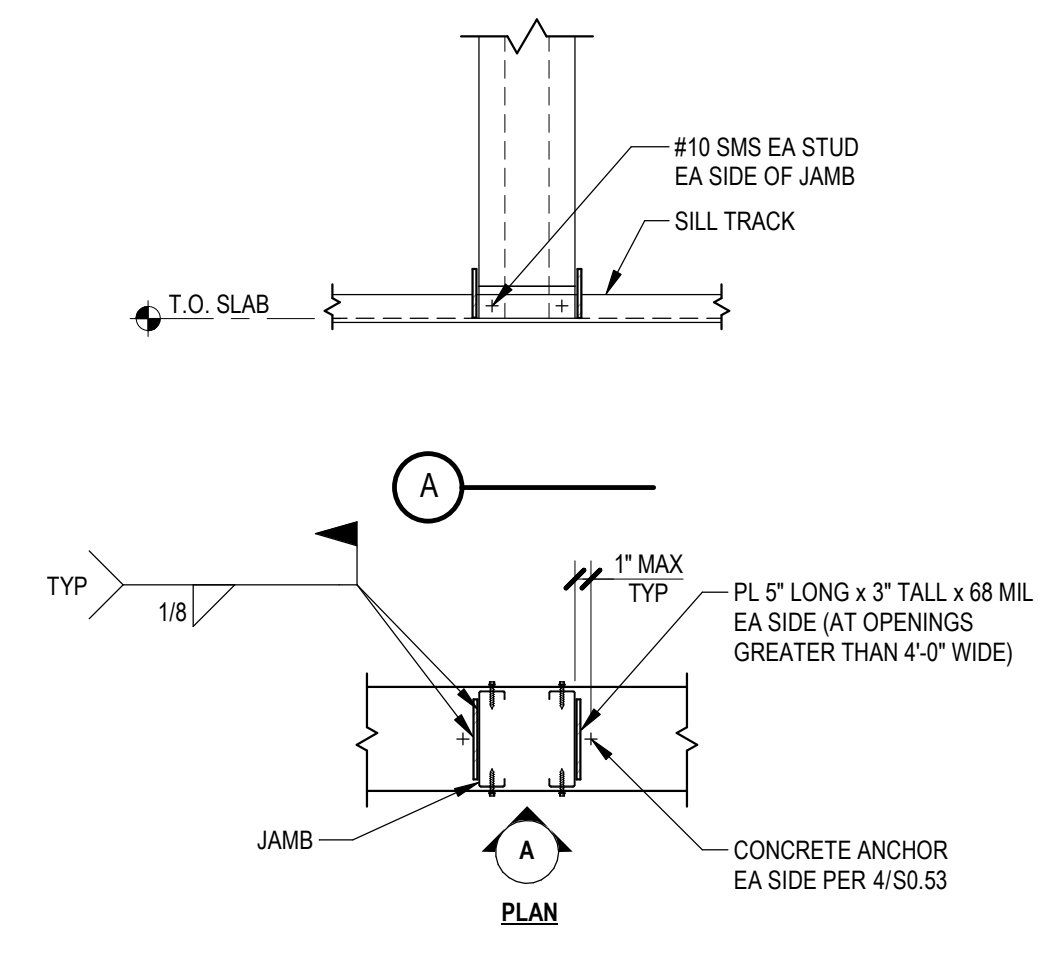
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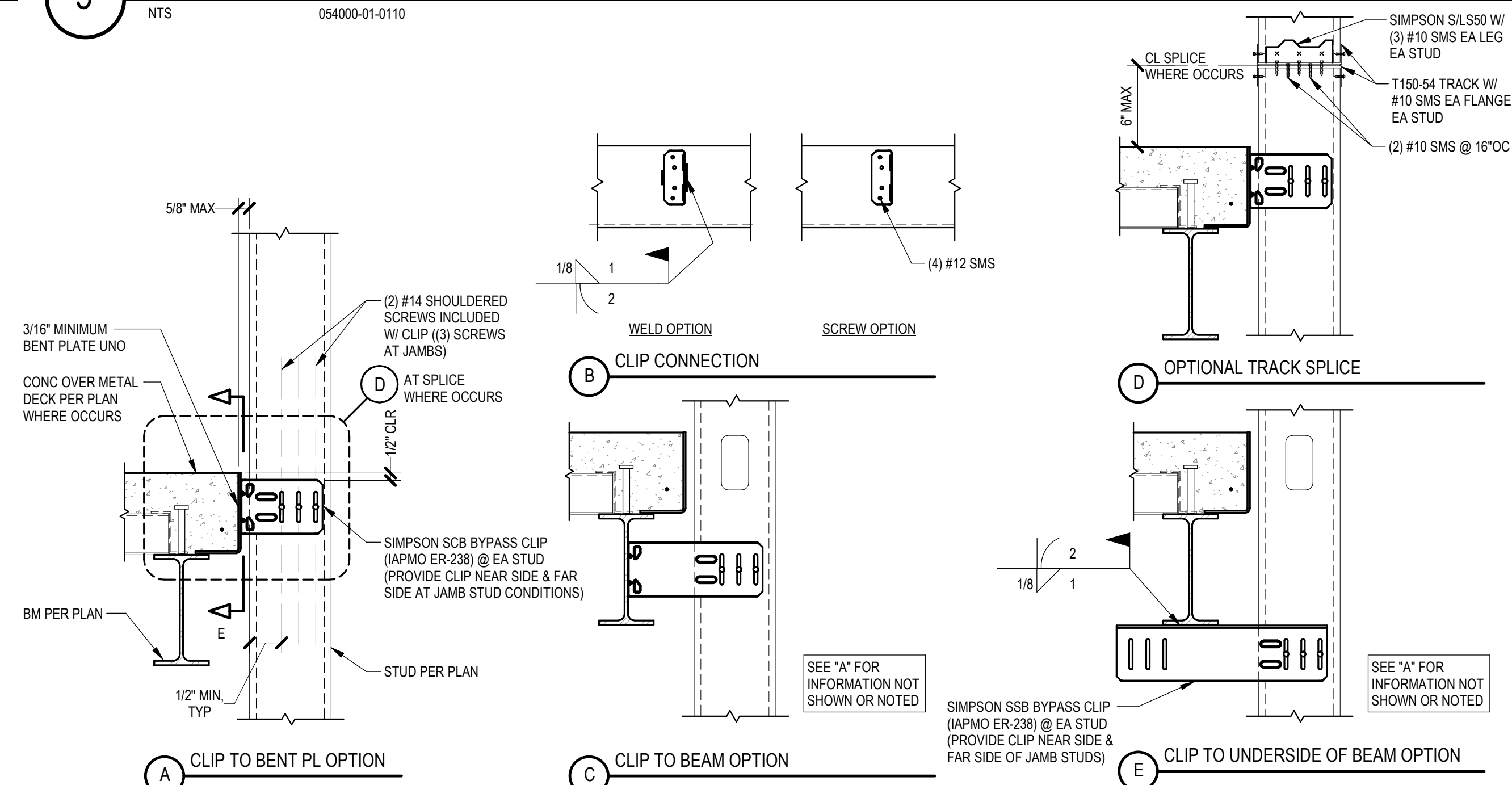
**9** WALL STUD CONN TO HEADER/SILL  
NTS 054000-01-0115



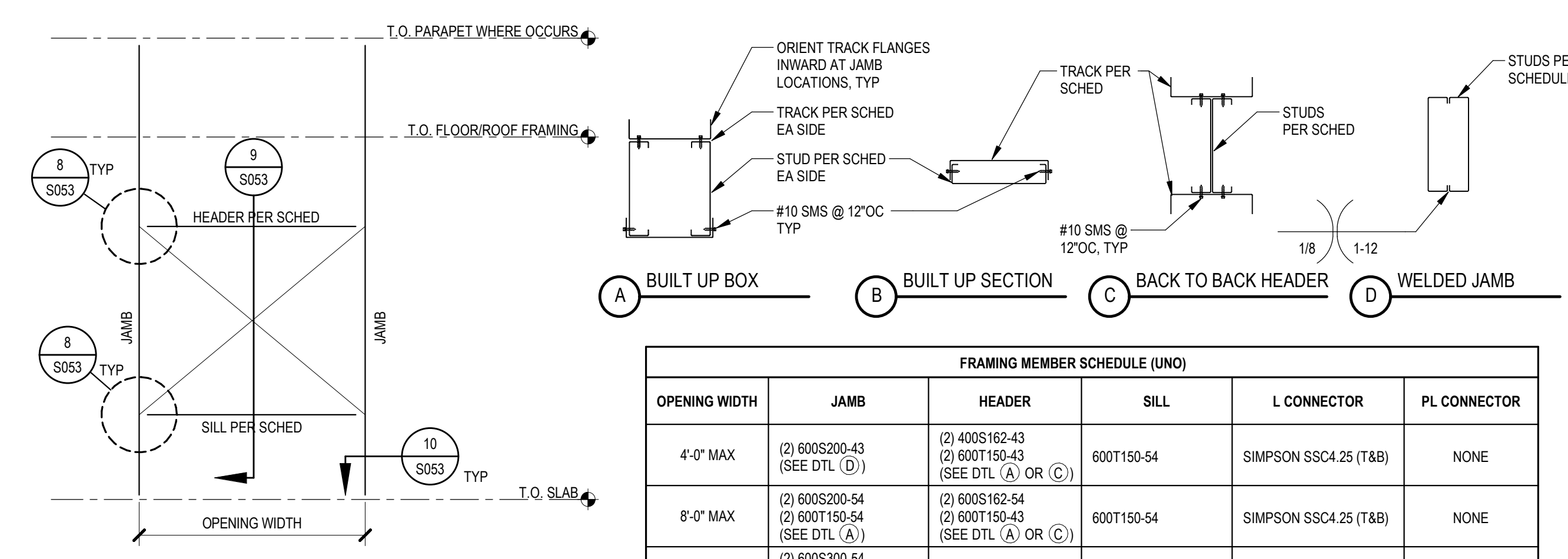
**5** EXTERIOR STUD WALL FIXED CONNECTION  
NTS 054000-01-0110



**10** JAMB CONN AT CONCRETE FLOOR  
NTS 054000-01-0116

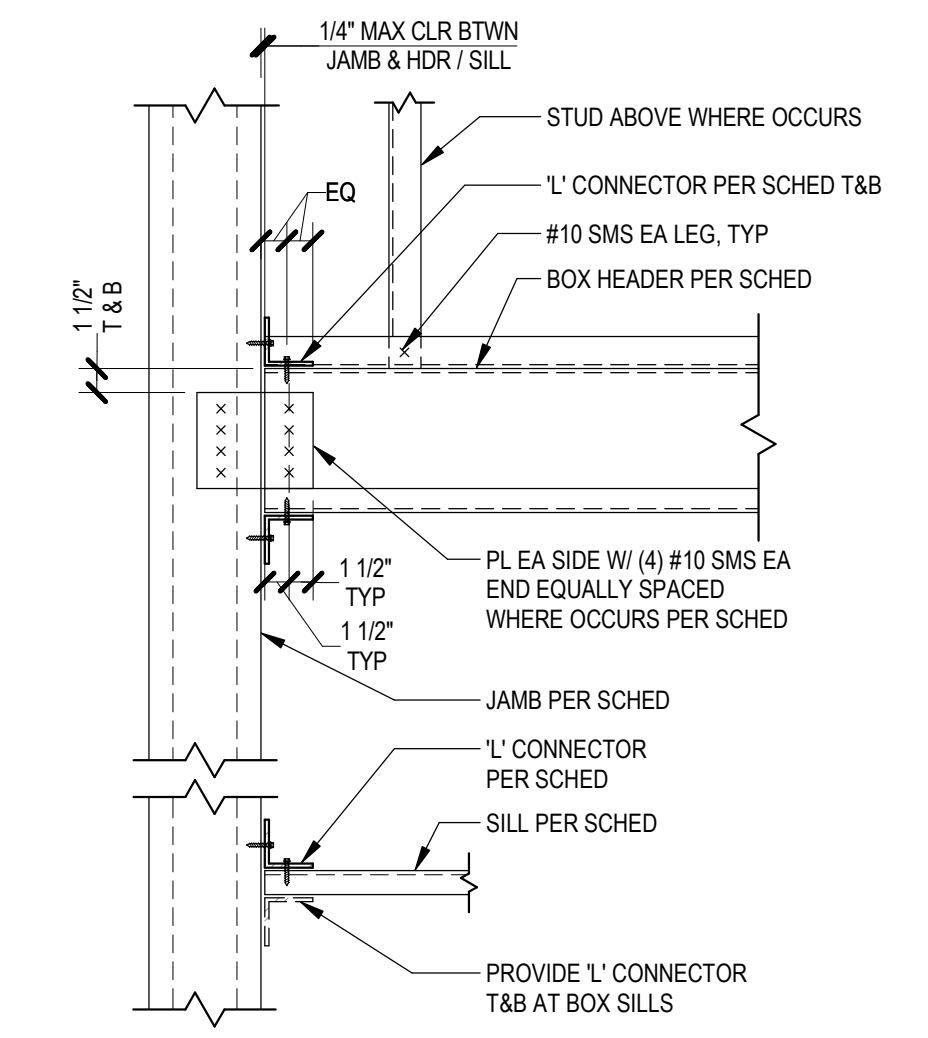


**6** EXTERIOR STUD WALL VERTICAL SLIP CONNECTION  
NTS 054000-01-0111

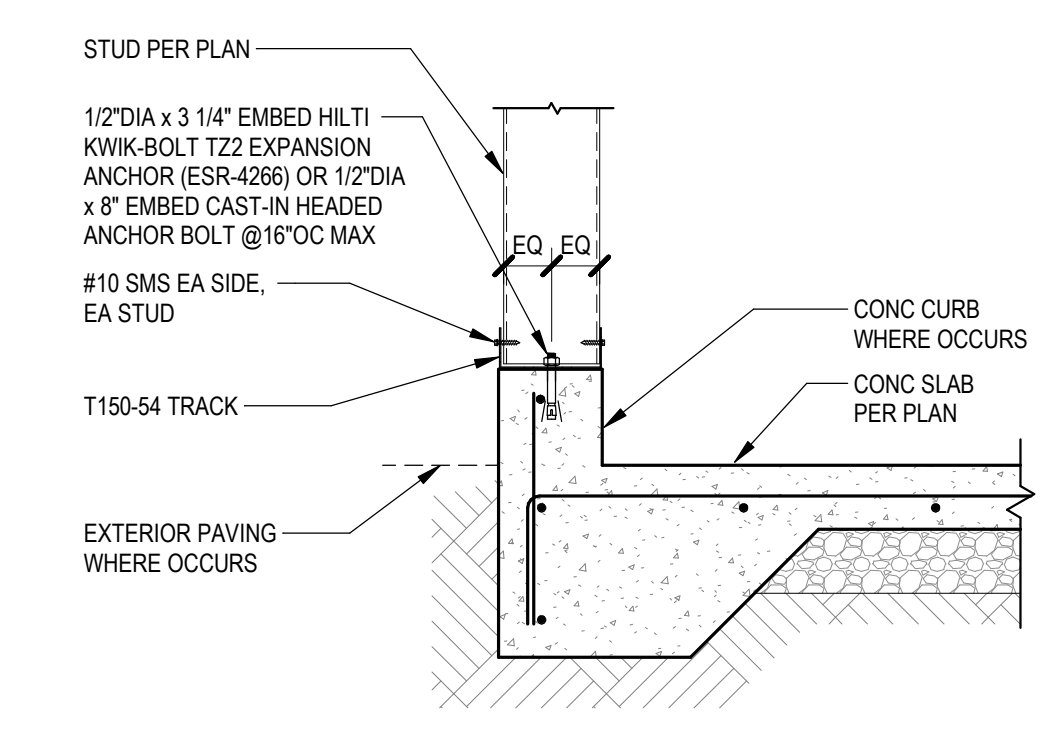


**7** WALL OPENING FRAMING (UNO)  
NTS 054000-01-0112

FRAMING MEMBER SCHEDULE (UNO)				
OPENING WIDTH	JAMB	HEADER	SILL	PL CONNECTOR
4'-0\"/>				



**8** HEADER CONN TO JAMB  
NTS 054000-01-0114



**4** EXTERIOR STEEL STUD TO CURB/SOG  
NTS 054000-01-0113

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**miyamoto.**  
5500 Baltimore Drive, Suite 100 La Mesa, CA 91942  
T: (858) 270-8848  
myyamotointernational.com  
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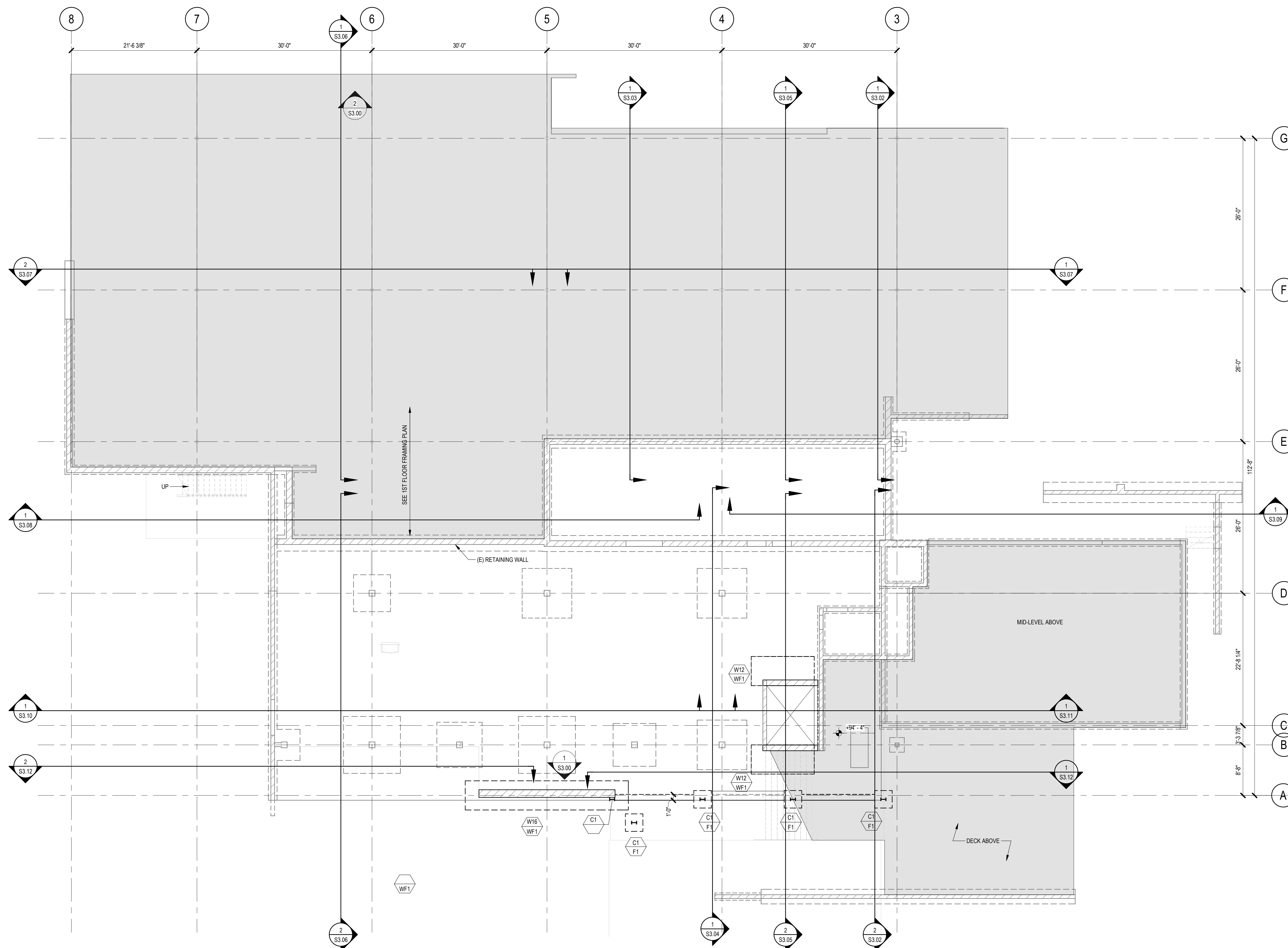
PROJECT TITLE:  
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DATE: Issue Date  
SHEET TITLE:

**TYPICAL EXTERIOR COLD-FORMED STEEL DETAILS**

SCALE: 1" = 1'-0"

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## LOWER LEVEL FOUNDATION PLAN

1/8" = 1'-0"

- NOTES:**
- ELEVATION OF FINISH FLOOR = +X'-X".
  - TOP OF FOOTING = +X'-X". TYP UNO.
  - ALL INTERIOR SLABS SHALL BE 5" THICK (LNO) W/ #3 @ 18"OC EA WAY @ MID-DEPTH OF SLAB OVER 2" SAND, OVER 10 MIL (MIN) VAPOR BARRIER, OVER 4" CRUSHED ROCK FILL, OVER PREPARED BUILDING PAD.
  - SEE ARCHITECTURAL AND CIVIL FOR ALL EXTERIOR CONCRETE PAVING, SLAB, BASES, CURBS, SITE WALLS, ETC.
  - SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLAB.
  - SEE TYPICAL PAD AND CURB DETAILS FOR CONCRETE PADS AND CURBS AND ABOVE SLAB UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL FOR LOCATION, SIZE AND HEIGHT OF PADS AND CURBS AT 4" AND 8" POSTS. PROVIDE A SIMPSON BOU AT THE BASE ON TOP OF SILL PLATE AND A SIMPSON POEPC AT THE TOP WHERE HEADER OCCURS (LNO).
  - ALL STRUCTURAL WALLS SHALL BE 2x6 @ 16"OC.
  - WHERE CONCRETE BEAMS OVERLAP/INTERSECT, THE TOP AND BOTTOM REINFORCEMENT OF THE WIDER BEAM SHALL BE PLACED IN THE OUTER LAYER.

### LEGEND:

- INDICATES COLUMN/POST/WALL TYPE PER SCHEDULE ON S4.00
- INDICATES PAD FOOTING TYPE PER SCHEDULE ON S4.00
- INDICATES CHANGE IN ELEVATION
- INDICATES SLOPED AND/OR DEPRESSED SLAB
- INDICATES TOP OF FOOTING (TOF) ELEVATION
- INDICATES STEP IN FOUNDATION PER TYPICAL STEPPED FOOTING DETAIL. CONTRACTOR TO VERIFY LOCATION & EXTENT OF STEPPED FOUNDATIONS
- INDICATES GRADE BEAM TYPE PER SCHEDULE
- INDICATES CMU WALL
- INDICATES CONC WALL
- INDICATES WOOD STUD WALL
- INDICATES WALL BELOW
- INDICATES CONCRETE CURB, EXTENT PER ARCH
- INDICATES WOOD POST
- INDICATES HOLDOWN TYPE PER SCHEDULE
- INDICATES SHEARWALL TYPE PER SCHEDULE
- INDICATES MINIMUM LENGTH REQD (SEE ARCH DRAWINGS FOR DIMENSIONS)
- INDICATES MOMENT CONNECTION PER S7.77
- INDICATES MOMENT FRAME CONNECTION PER S7.77
- INDICATES BEAM STIFFENER PLATES WITH SLIP CRITICAL (SC) BOLTS PER S7.77
- INDICATES BOTTOM FLANGE BRACING PER S7.77
- INDICATES BEAM CONNECTION WITH (1) ROW OF SLIP CRITICAL (SC) BOLTS
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- (#) INDICATES NUMBER OF WELDED HEADED STUDS PER TYPICAL WELDED HEADED STUDS DETAIL
- C=1" INDICATES TOTAL UPWARD CAMBER AT MIDSPAN OF MEMBER UNO
- +2'-2" INDICATES TOP OF STEEL ELEVATION
- INDICATES SPAN DIRECTION AND TYPE OF FILLED METAL DECK PER SCHEDULE ON S4.00
- INDICATES SPAN DIRECTION AND TYPE OF UNFILLED METAL DECK PER SCHEDULE ON S4.00
- INDICATES ROOF DIAPHRAGM NAILING TYPE PER SCHEDULE
- INDICATES STRAP TYPE PER SCHEDULE
- INDICATES MECHANICAL UNIT WITH MAX OPERATING WEIGHT PER PLAN
- INDICATES STRAP PER SCHEDULE

CONSULTANTS LOGO

## miyamoto.

5500 Bathurst Drive, Suite 100 | (888) 270-8848  
La Brea, CA 90048 | mmiyamoto@miyamoto.com  
MID228001-05 - v03

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PROJECT TITLE:

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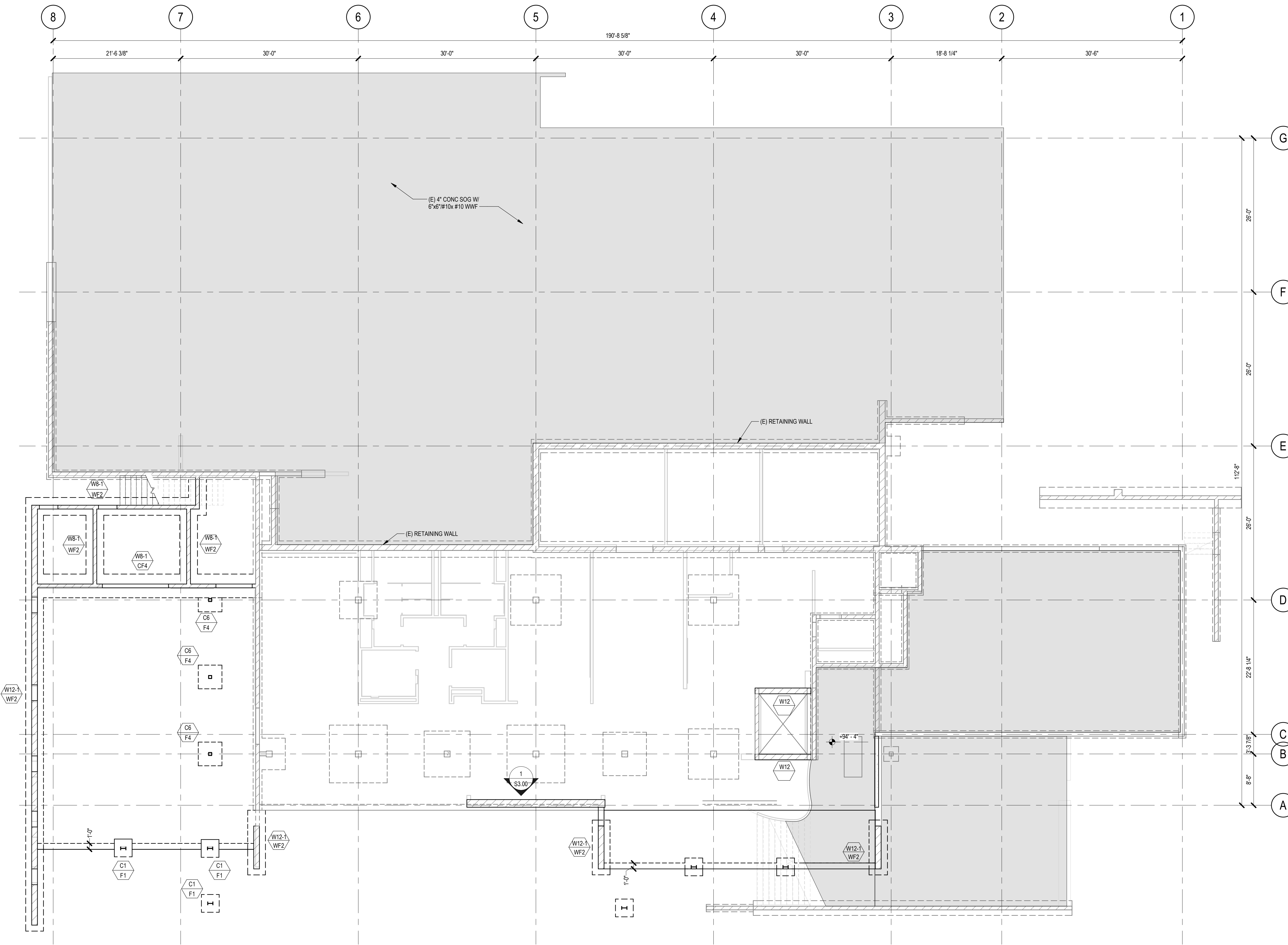
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

## LOWER LEVEL FOUNDATION PLAN

SCALE: As indicated

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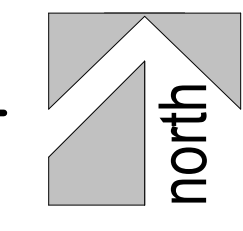
**LEGEND:**

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- INDICATES WOOD POST
- INDICATES HOLDOWN TYPE PER SCHEDULE
- INDICATES SHEARWALL TYPE PER SCHEDULE
- INDICATES MINIMUM LENGTH REQD (SEE ARCH DRAWINGS FOR DIMENSIONS)
- INDICATES MOMENT CONNECTION PER  $\begin{matrix} ? \\ S7.77 \end{matrix}$
- INDICATES MOMENT FRAME CONNECTION PER  $\begin{matrix} ? \\ S7.77 \end{matrix}$
- INDICATES BEAM STIFFENER PLATES WITH SLIP CRITICAL (SC) BOLTS PER  $\begin{matrix} ? \\ S7.77 \end{matrix}$
- INDICATES BOTTOM FLANGE BRACING PER  $\begin{matrix} ? \\ S7.77 \end{matrix}$
- INDICATES BEAM CONNECTION WITH (1) ROW OF SLIP CRITICAL (SC) BOLTS
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- # INDICATES STRAP TYPE PER SCHEDULE
- AHU INDICATES MECHANICAL UNIT WITH MAX OPERATING WEIGHT PER PLAN
- # INDICATES STRAP PER SCHEDULE

**LOWER LEVEL FOUNDATION PLAN - ADD ALTS**

1/8" = 1'-0"

- NOTES:**
1. ELEVATION OF FINISH FLOOR = +X'-X"
  2. TOP OF FOOTING = +X'-X"; TYP UNO.
  3. ALL INTERIOR SLABS SHALL BE 5" THICK (UNO) W/ #3 @ 18"OC EA WAY @ MID-DEPTH OF SLAB OVER 2" SAND, OVER 10 MIL (MIN) VAPOR BARRIER, OVER 4" CRUSHED ROCK FILL, OVER PREPARED BUILDING PAD.
  4. SEE ARCHITECTURAL AND CIVIL FOR ALL EXTERIOR CONCRETE PAVING, SLAB, BASES, CURBS, SITE WALLS, ETC.
  5. SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLAB.
  6. SEE TYPICAL PAD AND CURB DETAILS FOR CONCRETE PADS AND CURBS AND ABOVE SLAB UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL FOR LOCATION, SIZE AND HEIGHT OF PADS AND CURBS.
  7. AT 4" AND 6" POSTS, PROVIDE A SIMPSON BOU AT THE BASE ON TOP OF SILL PLATE AND A SIMPSON POEPC AT THE TOP WHERE HEADER OCCURS (UNO).
  8. ALL STRUCTURAL WALLS SHALL BE 2x6 @ 16"OC.
  9. WHERE CONCRETE BEAMS OVERLAP/INTERSECT, THE TOP AND BOTTOM REINFORCEMENT OF THE WIDER BEAM SHALL BE PLACED IN THE OUTER LAYER.



CONSULTANTS LOGO

**miyamoto.**

5550 Bathurst Drive, Suite 100 La Brea, CA 90048  
M2228001.00 - V03 T: (888) 270-8848  
miyamoto@miyamoto.com

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PROJECT TITLE:

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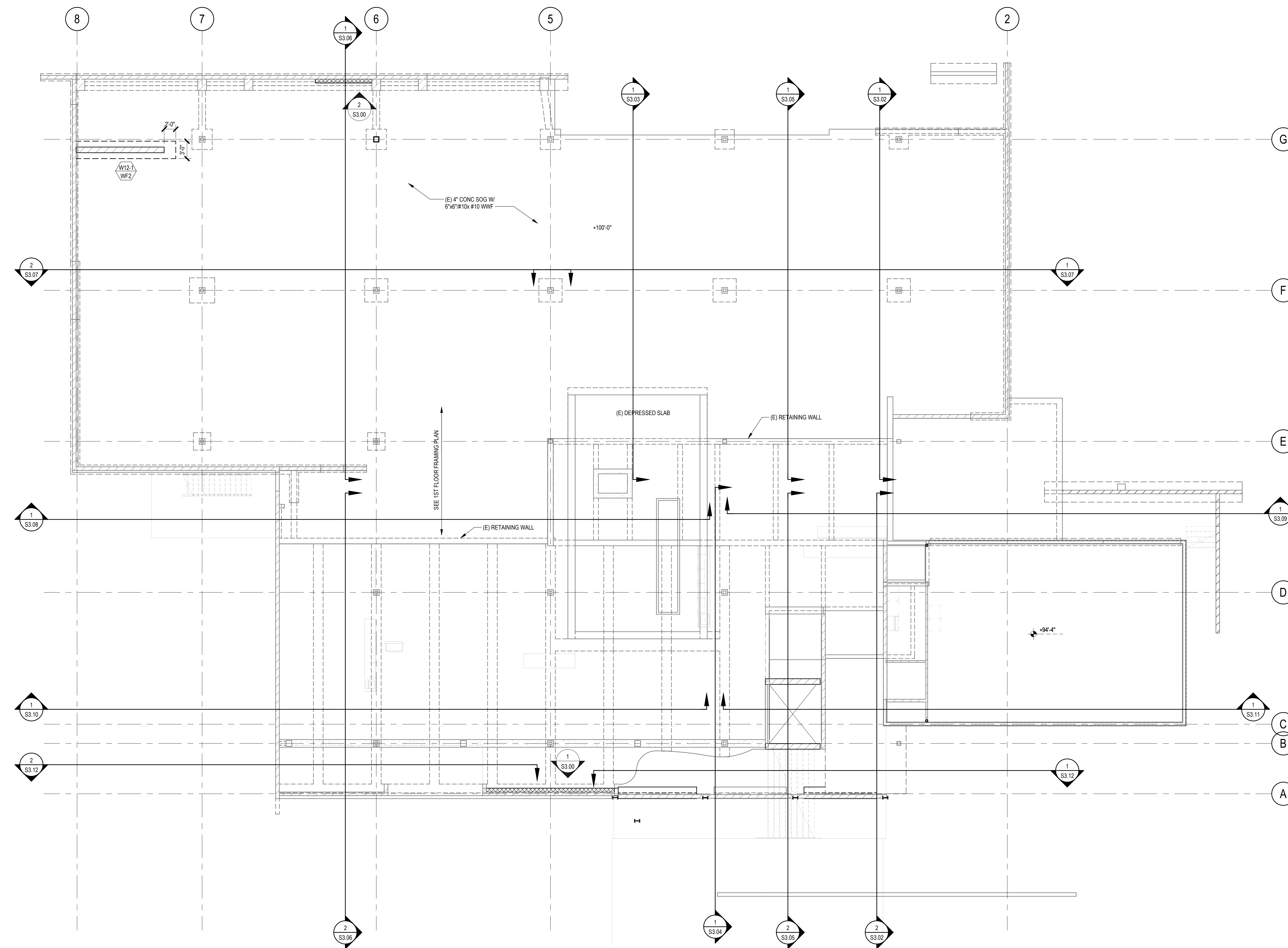
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**LOWER LEVEL FOUNDATION PLAN - ADD ALTS**

SCALE: As indicated

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S1.00A



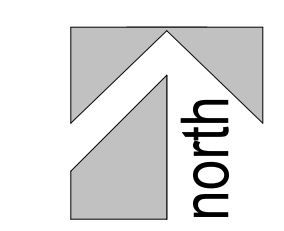
**LEGEND:**

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- INDICATES STRAP PER SCHEDULE

**MAIN LEVEL FOUNDATION PLAN**

1/8" = 1'-0"

- NOTES:**
1. ELEVATION OF FINISH FLOOR = +X'-X".
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  7. AT 4" AND 6" POSTS, PROVIDE A SIMPSON SC0 AT THE BASE ON TOP OF SILL PLATE AND A SIMPSON P02PC AT THE TOP WHERE HEADER OCCURS (UNO).
  8. ALL STRUCTURAL WALLS SHALL BE 2x6 @ 16"OC.
  9. WHERE CONCRETE BEAMS OVERLAP/INTERSECT, THE TOP AND BOTTOM REINFORCEMENT OF THE WIDER BEAM SHALL BE PLACED IN THE OUTER LAYER.



CONSULTANTS LOGO

**miyamoto.**

5550 Baltimore Drive, Suite 100 La Brea, CA 90048  
M2228001.05 - v03

T: (888) 270-8848  
miyamoto@international.com

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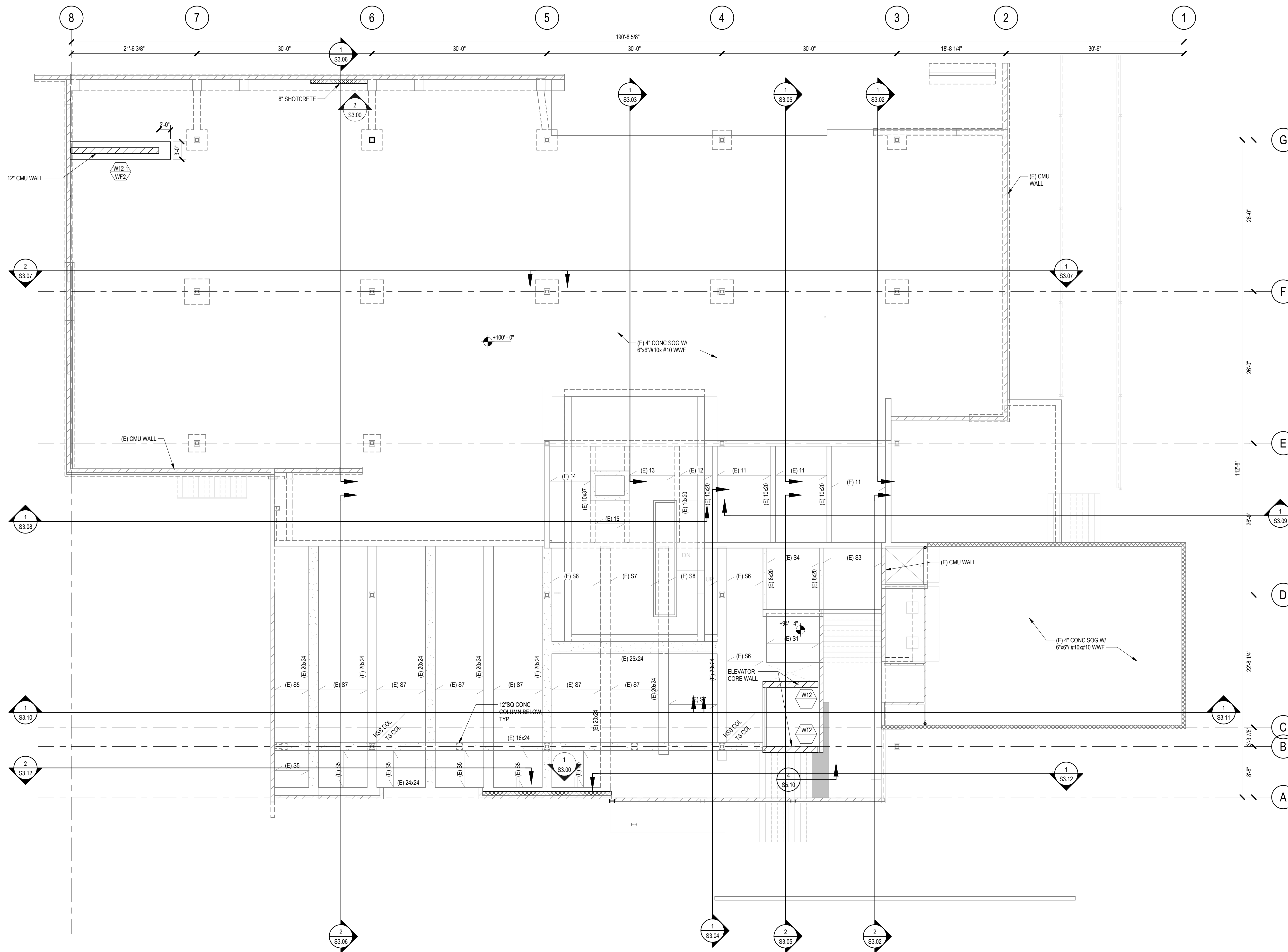
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**MAIN LEVEL FOUNDATION PLAN**

SCALE: As indicated

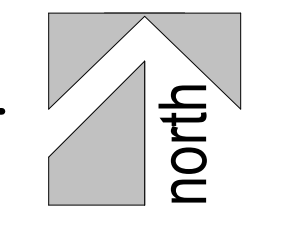
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  - # symbol"/> INDICATES ROOF DIAPHRAGM NAILING TYPE PER SCHEDULE
  - # symbol"/> INDICATES STRAP TYPE PER SCHEDULE
  - AHU symbol"/> INDICATES MECHANICAL UNIT WITH MAX OPERATING WEIGHT PER PLAN
  - # symbol"/> INDICATES STRAP PER SCHEDULE

**MAIN LEVEL FRAMING PLAN**  
1/8" = 1'-0"

- NOTES:**
1. FIRST FLOOR TOP OF THE SHEATING ELEVATION = +100'-0". SEE ARCHITECTURAL FOR FINISH FLOOR ELEVATION.
  2. SEE ARCHITECTURAL, PLUMBING MECHANICAL AND ELECTRICAL FOR LOCATION OF EQUIPMENT.
  3. CONTRACTOR TO VERIFY ALL UNIT LOCATIONS, SIZES AND OPENINGS.
  4. ALL STRUCTURAL WALLS SHALL BE 2x6 @ 16"OC.
  5. FIRST FLOOR WALLS BELOW SHOWN UNO.
  6. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS/ORDERS UNLESS NOTED OTHERWISE.
  7. SEE ARCHITECTURAL FOR SLOPING AND ELEVATION OF SLABS, DEPRESSIONS, OPENINGS, RAMPS, ETC.



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**miyamoto.**

5500 Baltimore Drive, Suite 100 | (888) 270-8848  
La Brea, CA 90048 | mmiyamoto@international.com  
425.290.0100 • 425

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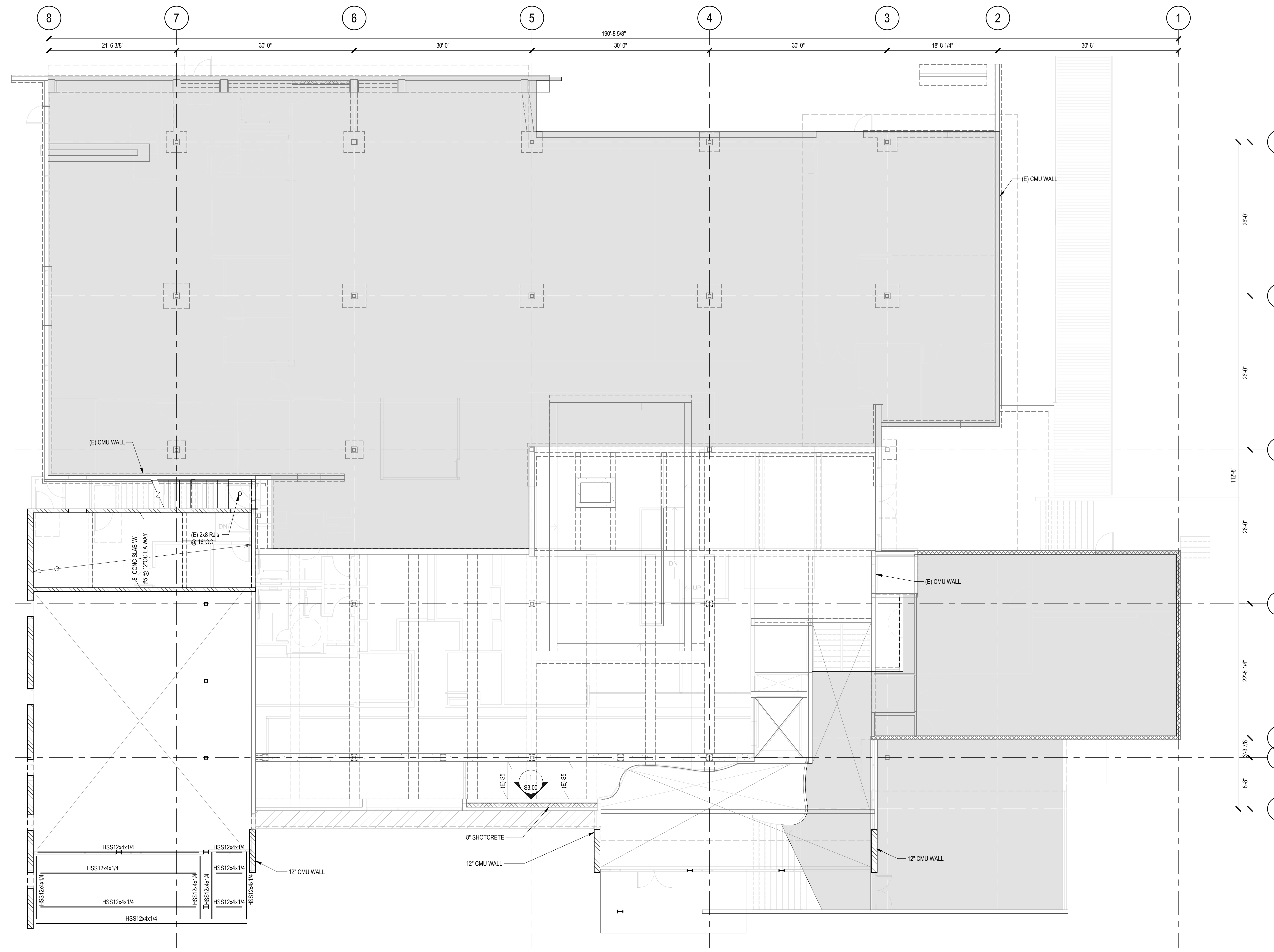
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**MAIN LEVEL FRAMING PLAN**

SCALE: As indicated

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**LEGEND:**

- INDICATES COLUMN/POST/WALL TYPE PER SCHEDULE ON S4.00
- INDICATES PAD FOOTING TYPE PER SCHEDULE ON S4.00
- INDICATES CHANGE IN ELEVATION
- INDICATES SLOPED AND/OR DEPRESSED SLAB
- INDICATES TOP OF FOOTING (TOF) ELEVATION
- INDICATES STEP IN FOUNDATION PER TYPICAL STEPPED FOOTING DETAIL. CONTRACTOR TO VERIFY LOCATION & EXTENT OF STEPPED FOUNDATIONS
- INDICATES GRADE BEAM TYPE PER SCHEDULE
- INDICATES CMU WALL
- INDICATES CONC WALL
- INDICATES WOOD STUD WALL
- INDICATES WALL BELOW
- INDICATES CONCRETE CURB. EXTENT PER ARCH
- INDICATES WOOD POST
- INDICATES HOLDOWN TYPE PER SCHEDULE
- INDICATES SHEARWALL TYPE PER SCHEDULE
- INDICATES MINIMUM LENGTH REQD (SEE ARCH DRAWINGS FOR DIMENSIONS)
- INDICATES MOMENT CONNECTION PER  $\frac{?}{S7.77}$
- INDICATES MOMENT FRAME CONNECTION PER  $\frac{?}{S7.77}$
- INDICATES BEAM STIFFENER PLATES WITH SLIP CRITICAL (SC) BOLTS PER  $\frac{?}{S7.77}$
- INDICATES BOTTOM FLANGE BRACING PER  $\frac{?}{S7.77}$
- INDICATES BEAM CONNECTION WITH (1) ROW OF SLIP CRITICAL (SC) BOLTS
- INDICATES BEAM CONNECTION WITH (2) ROWS OF SLIP CRITICAL (SC) BOLTS
- INDICATES BEAM CONNECTION WITH (3) ROWS OF SLIP CRITICAL (SC) BOLTS PER  $\frac{?}{S7.77}$
- (#) INDICATES NUMBER OF WELDED HEADED STUDS PER TYPICAL WELDED HEADED STUDS DETAIL
- $C=1"$  INDICATES TOTAL UPWARD CAMBER AT MIDSPAN OF MEMBER UNDO
- $+2'-2"$  INDICATES TOP OF STEEL ELEVATION
- INDICATES SPAN DIRECTION AND TYPE OF FILLED METAL DECK PER SCHEDULE ON S4.00
- INDICATES SPAN DIRECTION AND TYPE OF UNFILLED METAL DECK PER SCHEDULE ON S4.00
- INDICATES ROOF DIAPHRAGM NAILING TYPE PER SCHEDULE
- INDICATES STRAP TYPE PER SCHEDULE
- INDICATES MECHANICAL UNIT WITH MAX OPERATING WEIGHT PER PLAN
- INDICATES STRAP PER SCHEDULE

**MAIN LEVEL FRAMING PLAN - ADD ALTS**

1/8" = 1'-0"

- NOTES:**
1. FIRST FLOOR TOP OF THE SHEATING ELEVATION = +100'-0". SEE ARCHITECTURAL FOR FINISH FLOOR ELEVATION.
  2. SEE ARCHITECTURAL, PLUMBING MECHANICAL AND ELECTRICAL FOR LOCATION OF FINISH FLOOR ELEVATION. CONTRACTOR TO VERIFY ALL UNIT LOCATIONS, SIZES AND OPENINGS.
  3. ALL STRUCTURAL WALLS SHALL BE 2x6 @ 16"OC.
  4. FIRST FLOOR WALLS BELOW SHOWN UNDO.
  5. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS/ORDERS UNLESS NOTED OTHERWISE.
  6. SEE ARCHITECTURAL FOR SLOPING AND ELEVATION OF SLABS, DEPRESSIONS, OPENINGS, RAMP, ETC.

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**miyamoto.**

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424.298.0101 - 424.298.0102

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PROJECT TITLE:

**Altadena Main Library**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: Issue Date

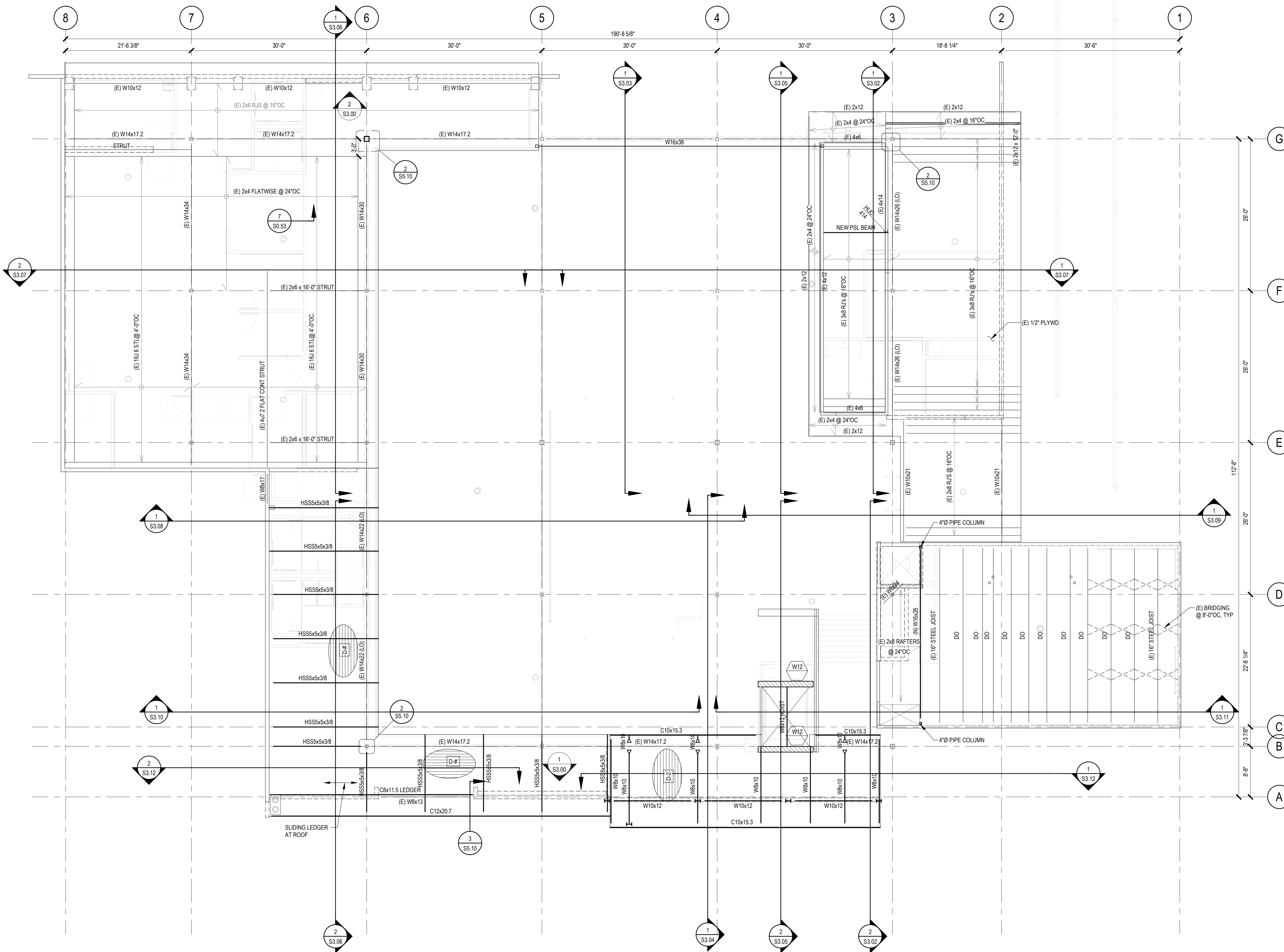
SHEET TITLE:

**MAIN LEVEL FRAMING PLAN - ADD ALTS**

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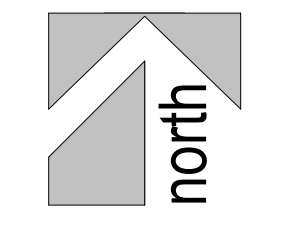


**LEGEND:**

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- INDICATES STRAP PER SCHEDULE

**LOW ROOF FRAMING PLAN**

- 1/8" = 1'-0"
- NOTES:
1. SEE ARCHITECTURAL FOR ROOF AND TOP OF PARAPET ELEVATIONS.
  2. SEE ARCHITECTURAL, PLUMBING, MECHANICAL, AND ELECTRICAL FOR LOCATION OF EQUIPMENT. CONTRACTOR TO VERIFY ALL UNIT LOCATIONS, SIZES AND OPENINGS.
  3. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS/GIRDERS UNLESS NOTED OTHERWISE.
  4. SEE ARCHITECTURAL FOR SLOPING AND ELEVATION OF SLABS, DEPRESSIONS, OPENINGS, RAMPS, ETC.
  5. HEIGHT FROM TOP OF ROOF TO SOLAR ARRAY SYSTEMS SHALL BE LESS THAN 24". MAXIMUM WEIGHT OF SOLAR ARRAY SHALL BE 4 PSF.



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ALTADENA, CA 91001

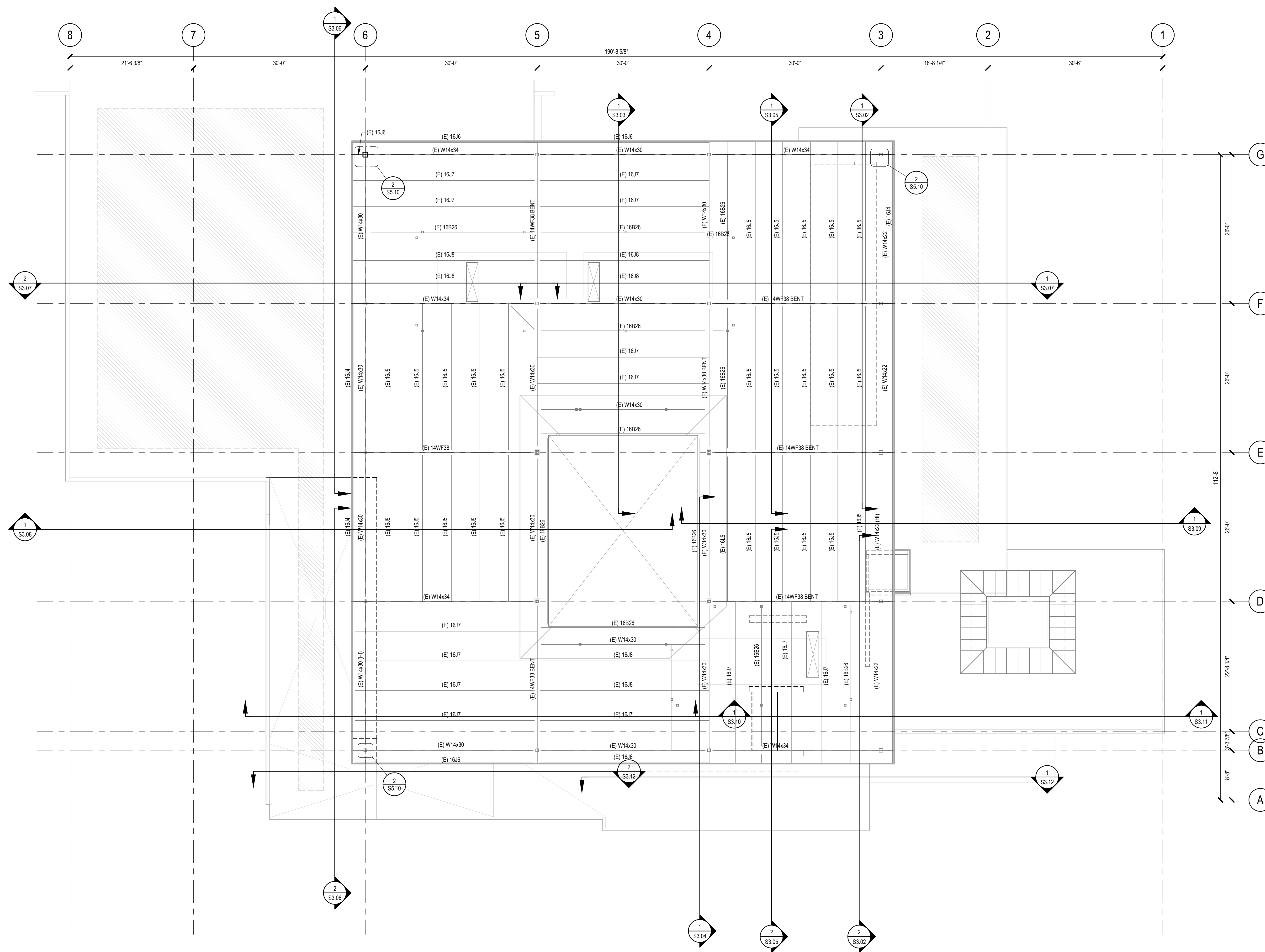
PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**LOW ROOF FRAMING PLAN**

SCALE: As indicated

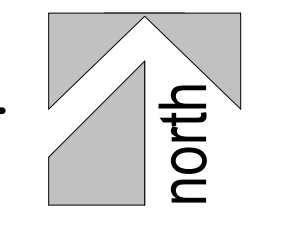
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**HIGH ROOF FRAMING PLAN**  
1/8" = 1'-0"



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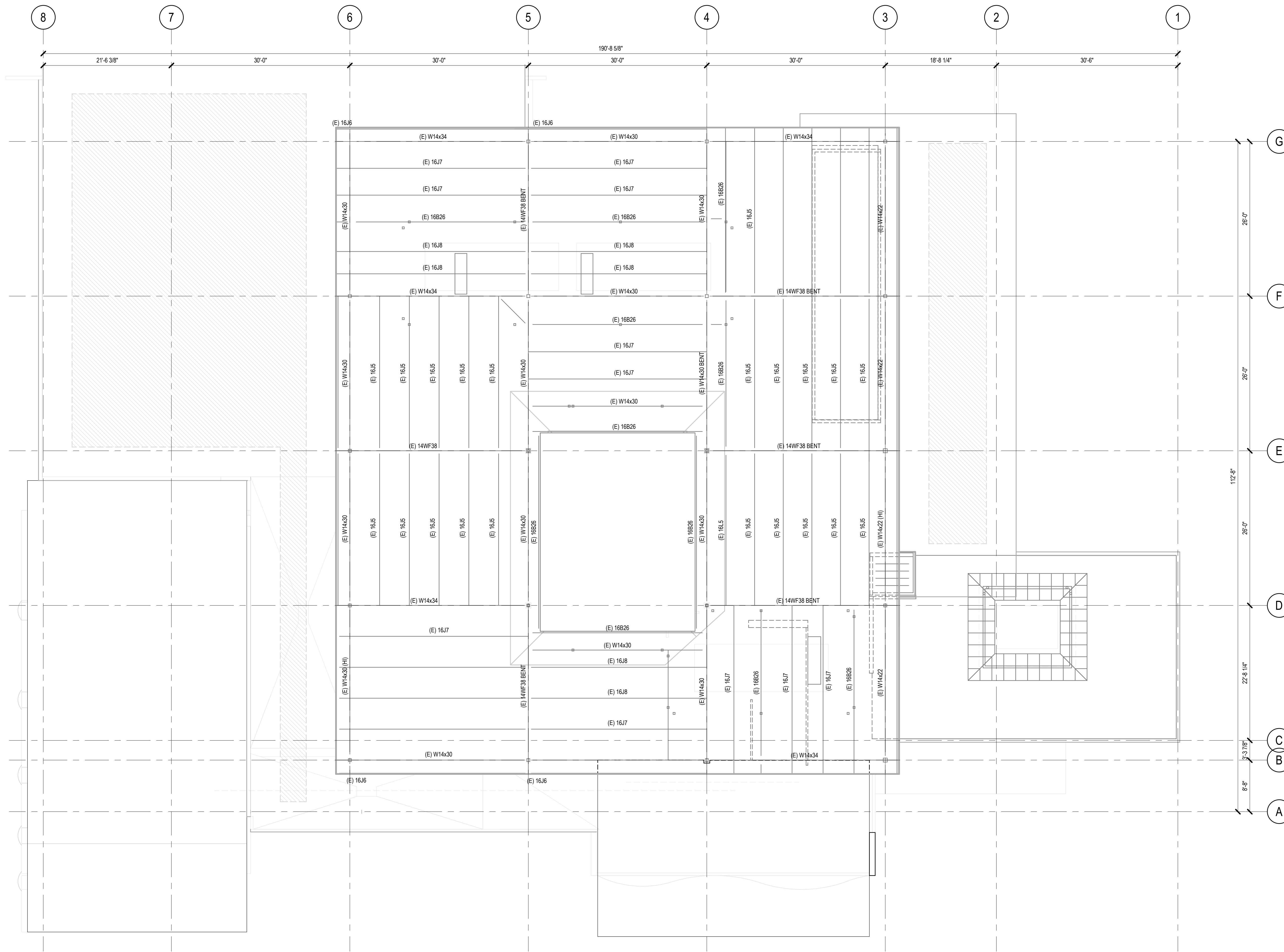
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ALTADENA, CA 91001

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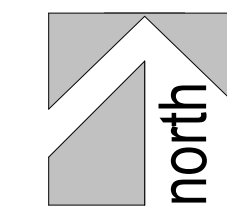
**HIGH ROOF FRAMING PLAN**

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**HIGH ROOF FRAMING PLAN - ADD ALTS**  
1/8" = 1'-0"



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- INDICATES STRAP PER SCHEDULE

**LEGEND:**

- INDICATES (N) HSS10x10 COLUMN
- INDICATES (N) CMU WALL
- INDICATES (N) 8' SHOTCRETE

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**HIGH ROOF FRAMING PLAN - ADD ALTS**

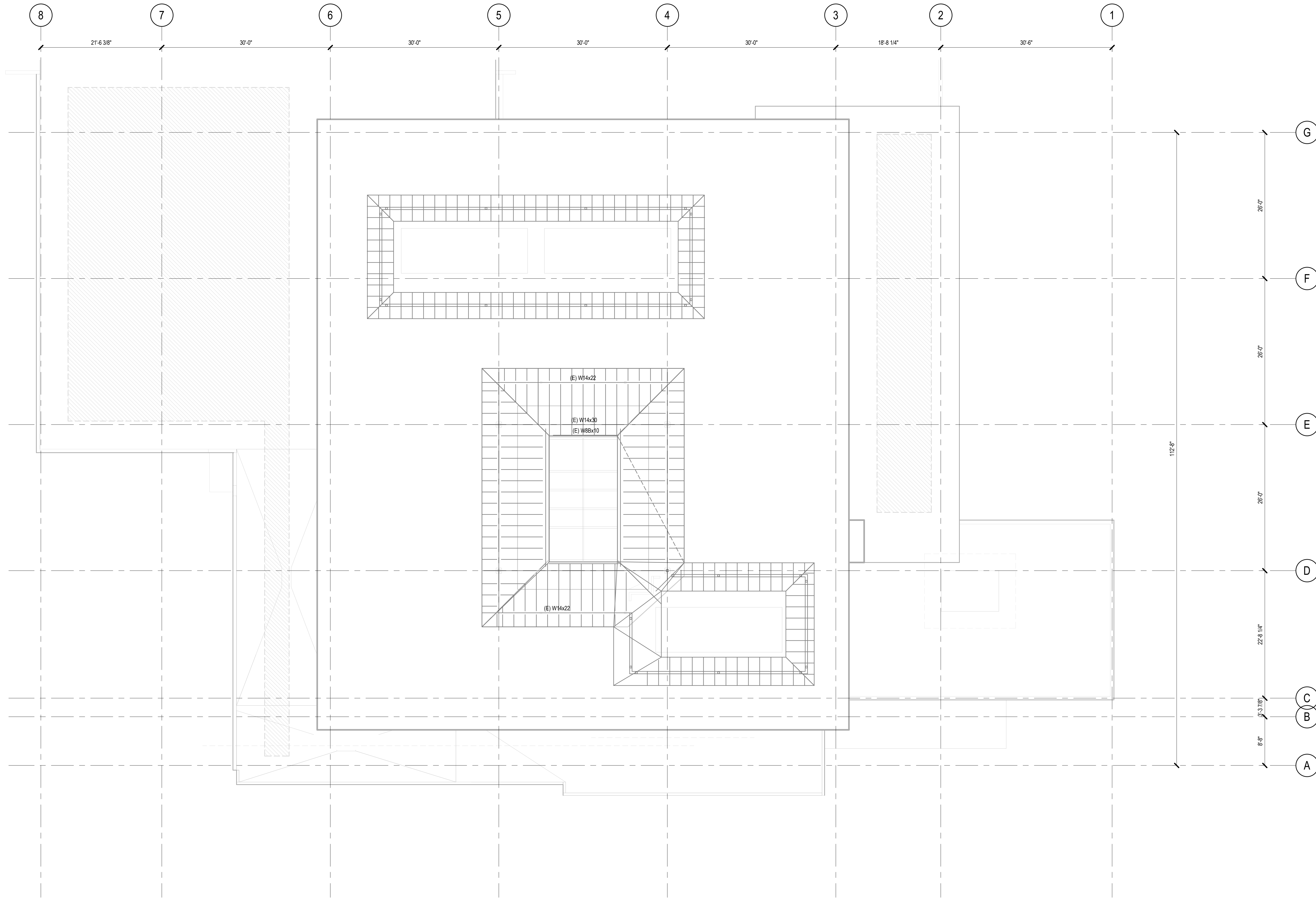
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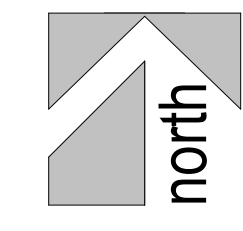


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SKYLIGHT ROOF & A/C SCREEN FRAMING PLAN  
1/8" = 1'-0"



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DATE: Issue Date

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**SKYLIGHT ROOF & A/C SCREEN FRAMING PLAN**

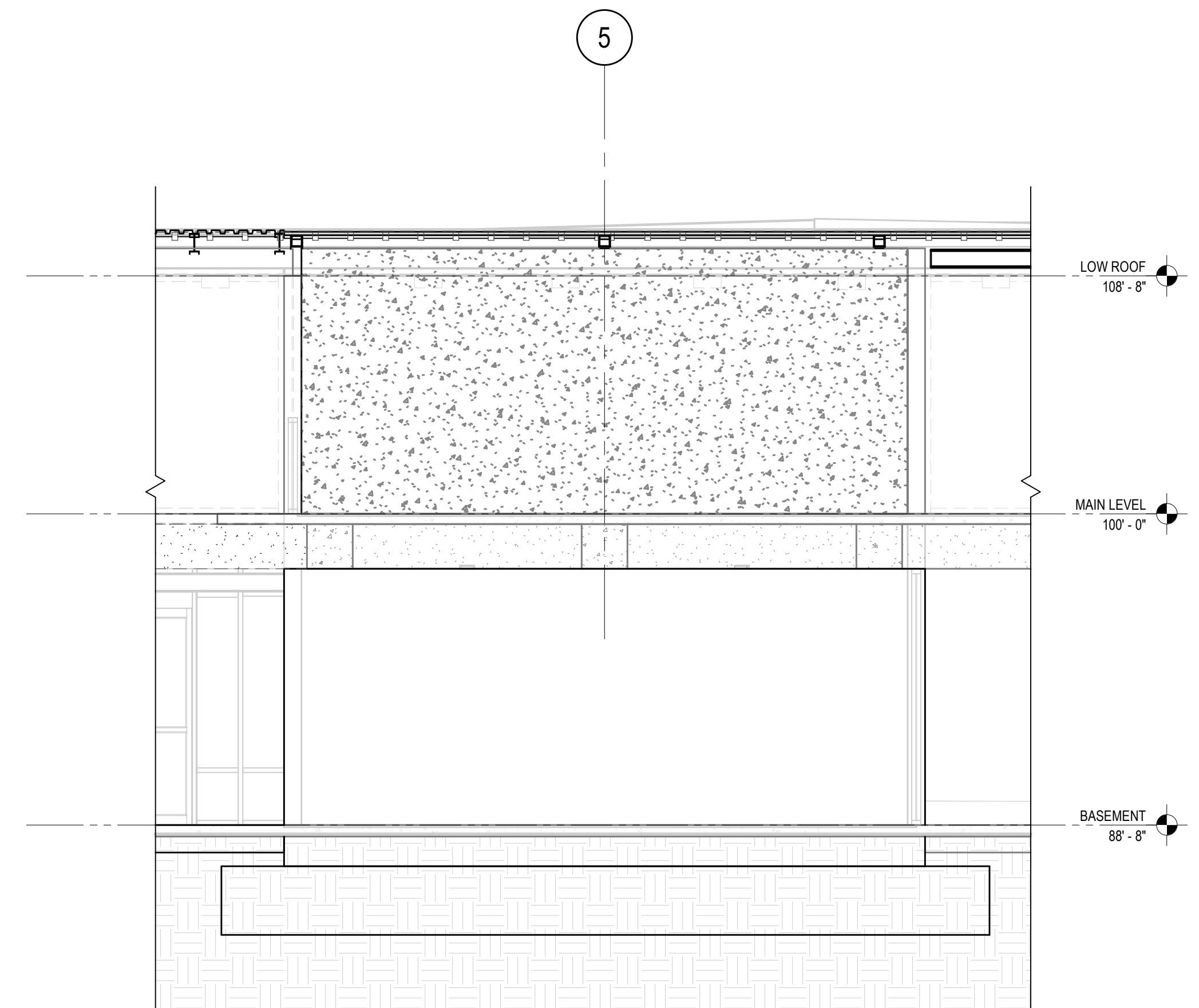
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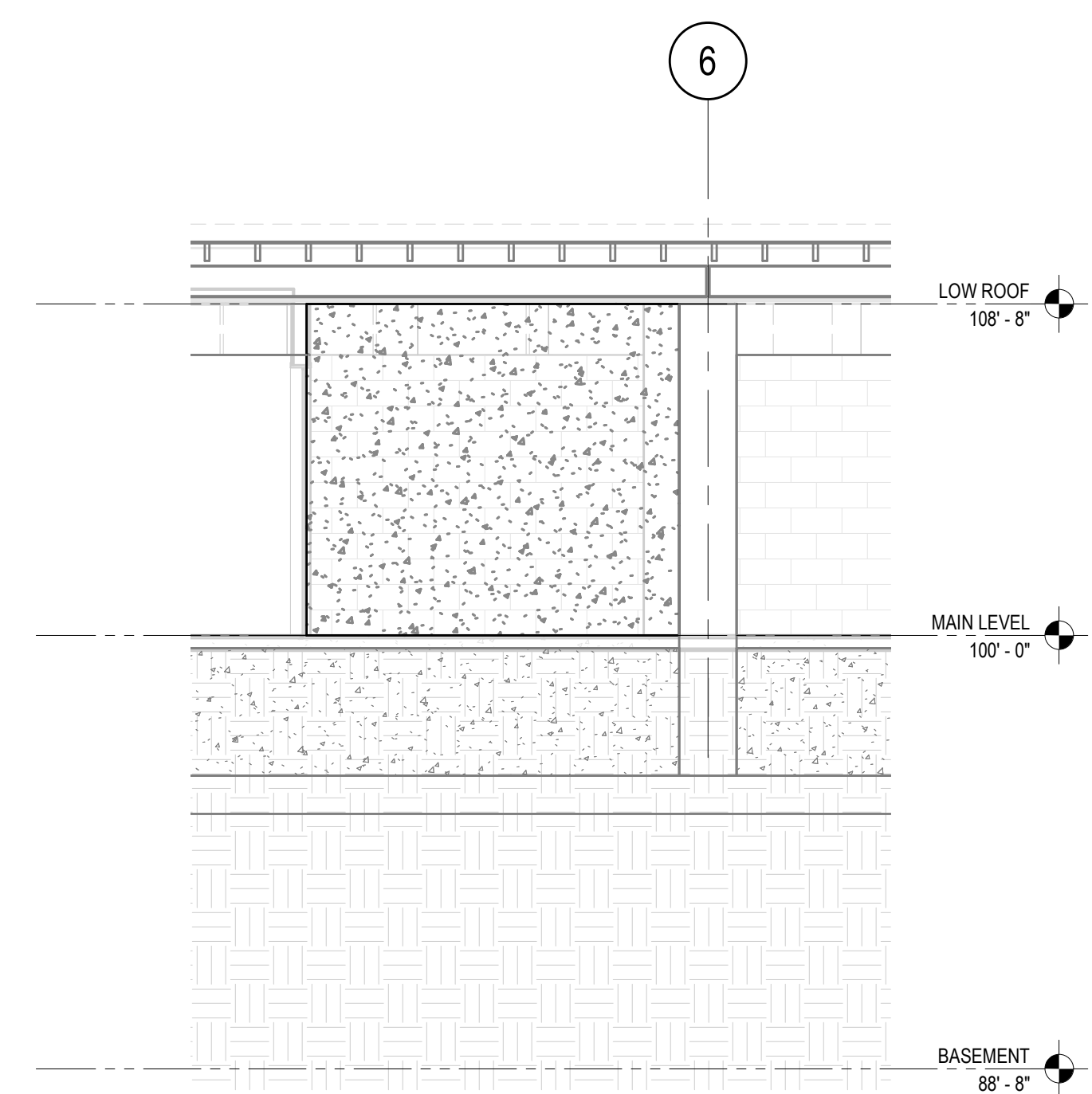


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1 WALL ELEVATION  
1/4" = 1'-0"



2 WALL ELEVATION  
1/4" = 1'-0"

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ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**WALL ELEVATIONS**

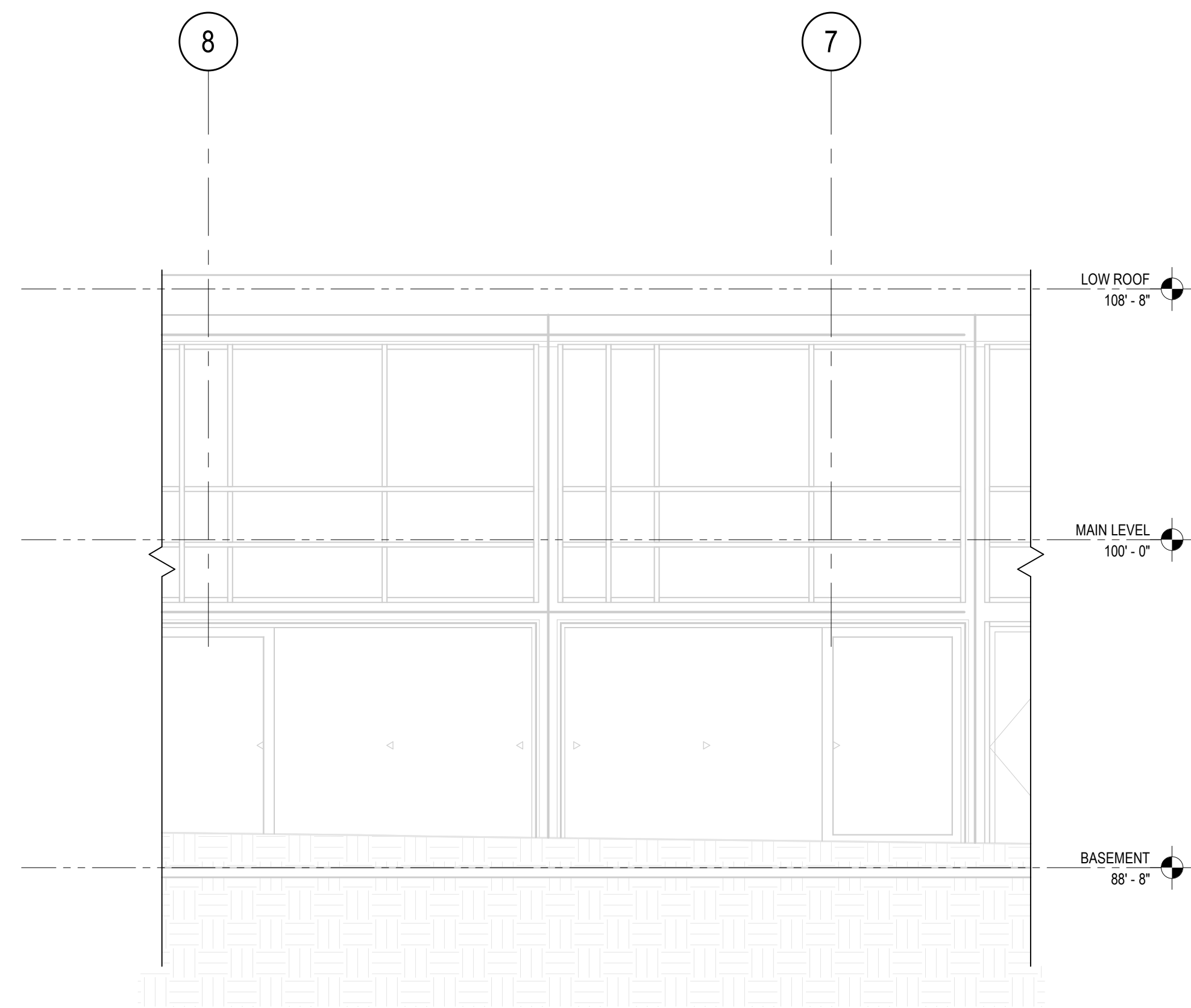
SCALE: 1/4" = 1'-0"  
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**S3.00**

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2 FRAME ELEVATION  
1/4" = 1'-0"

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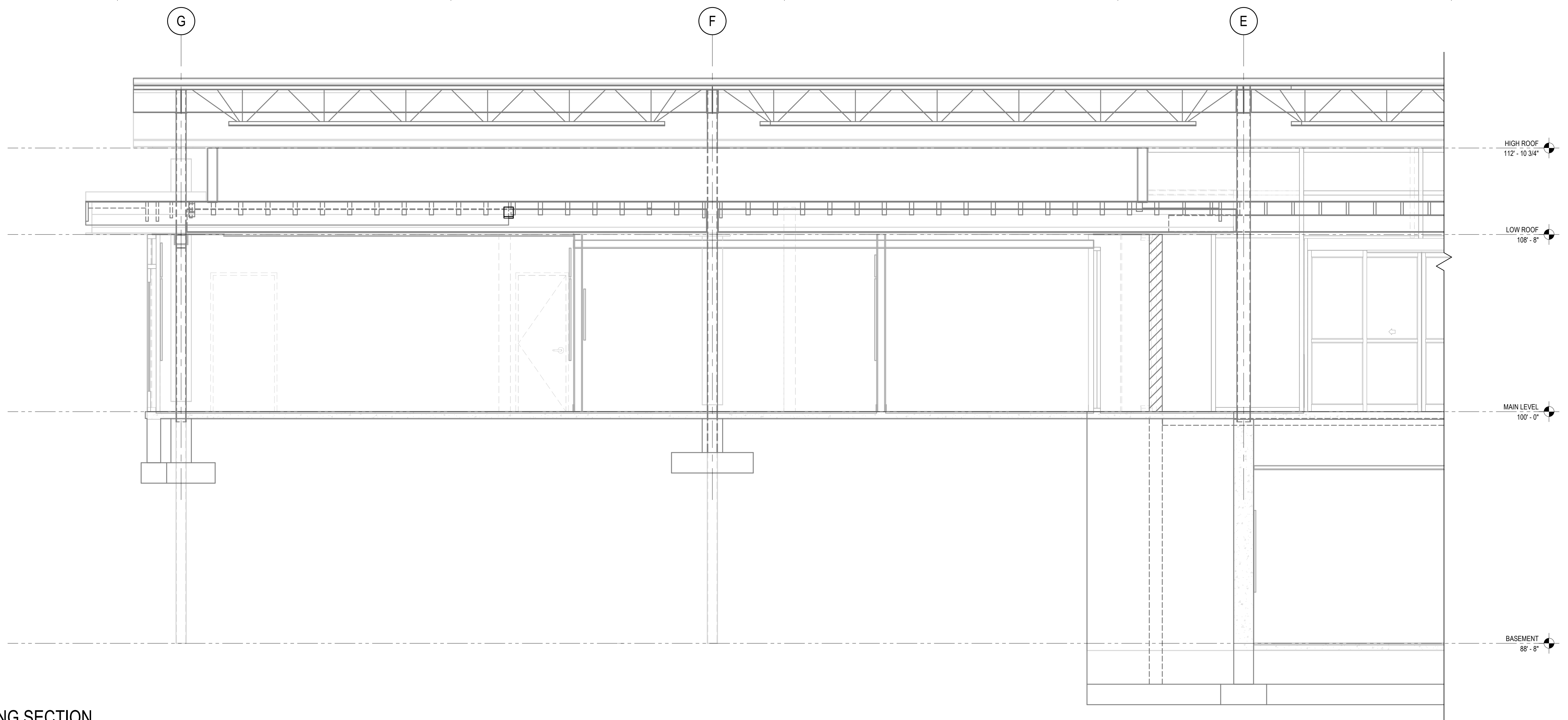
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**Altadena Main  
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600 E MARIPOSA STREET  
ALTADENA, CA 91001

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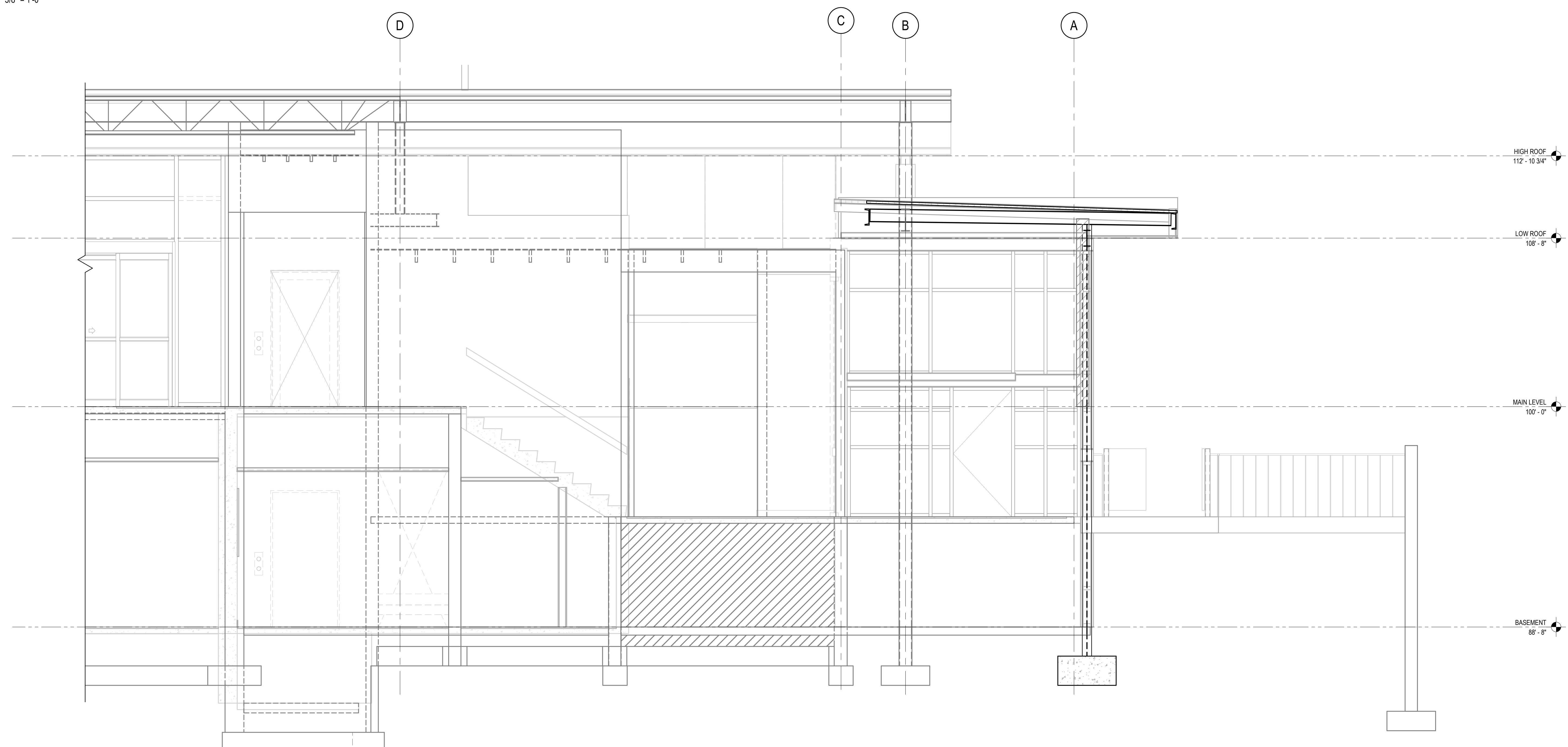
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**FRAME  
ELEVATIONS**

SCALE: 1/4" = 1'-0"

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1 BUILDING SECTION  
3/8" = 1'-0"



2 BUILDING SECTION  
3/8" = 1'-0"

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**BUILDING SECTIONS**

SCALE: 3/8" = 1'-0"

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ALTADENA, CA 91001

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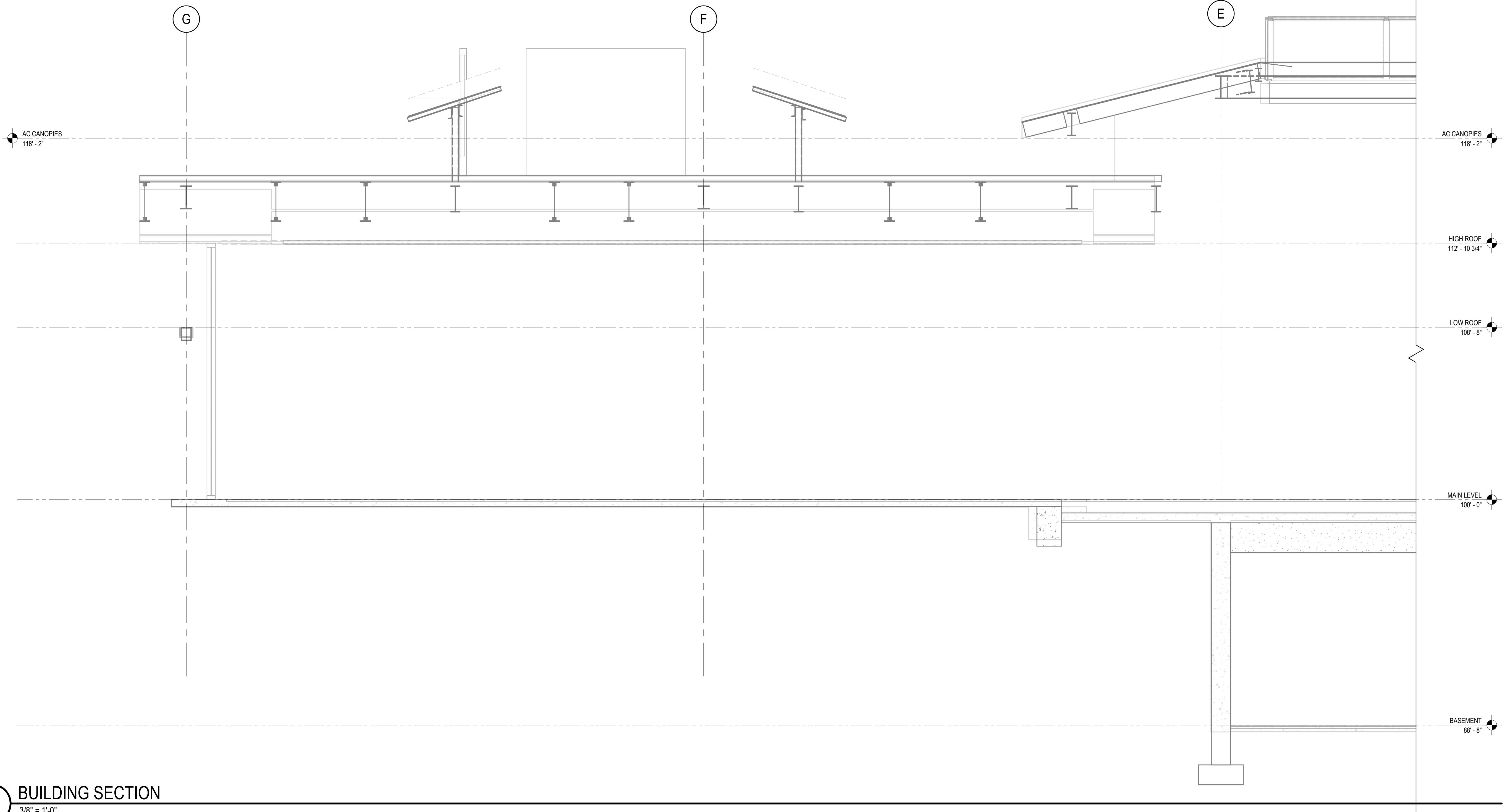
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**BUILDING  
SECTIONS**

SCALE: 3/8" = 1'-0"

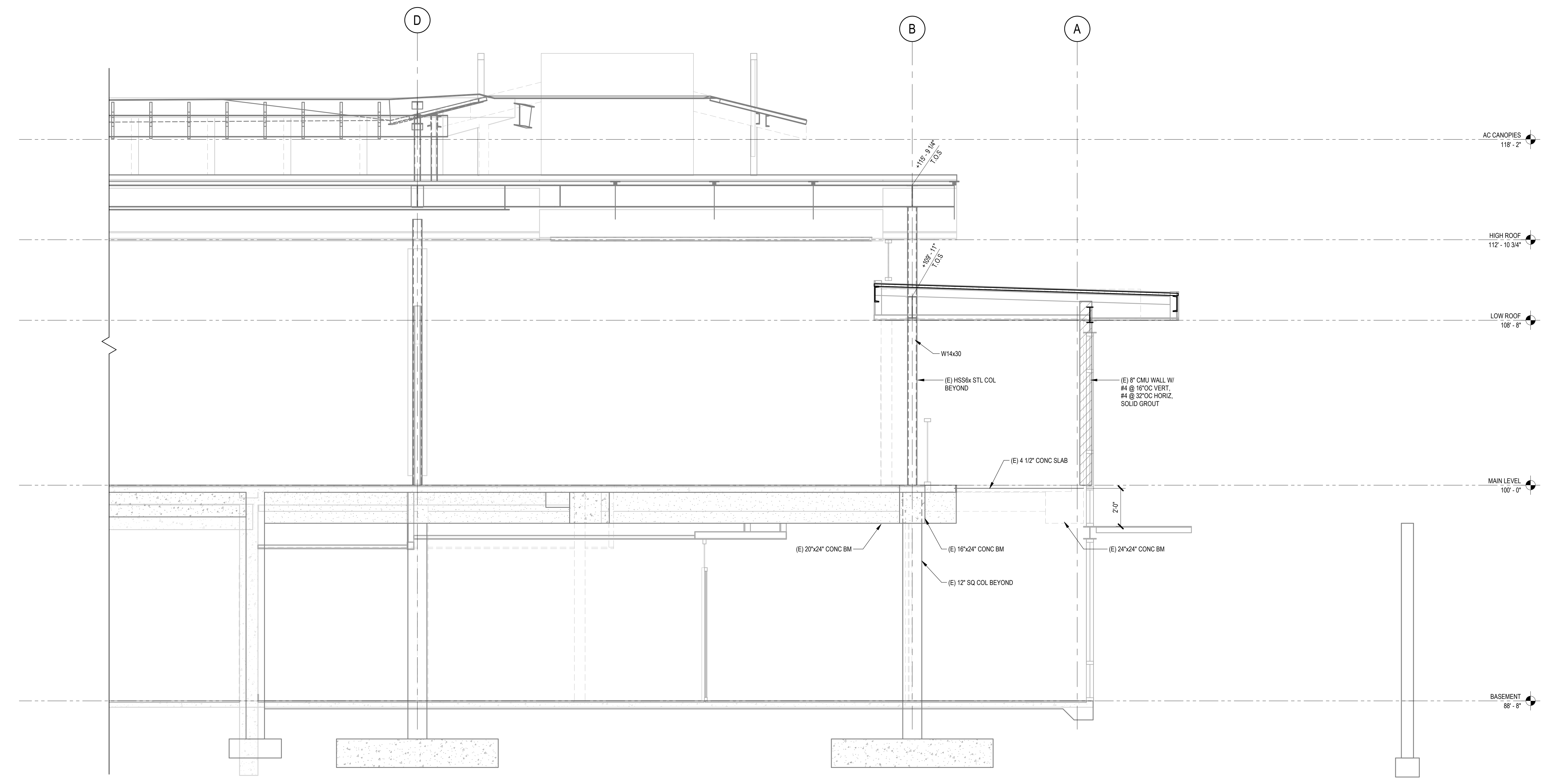
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S3.03



1 BUILDING SECTION  
3/8" = 1'-0"

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1 BUILDING SECTION  
3/8" = 1'-0"

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**BUILDING SECTIONS**

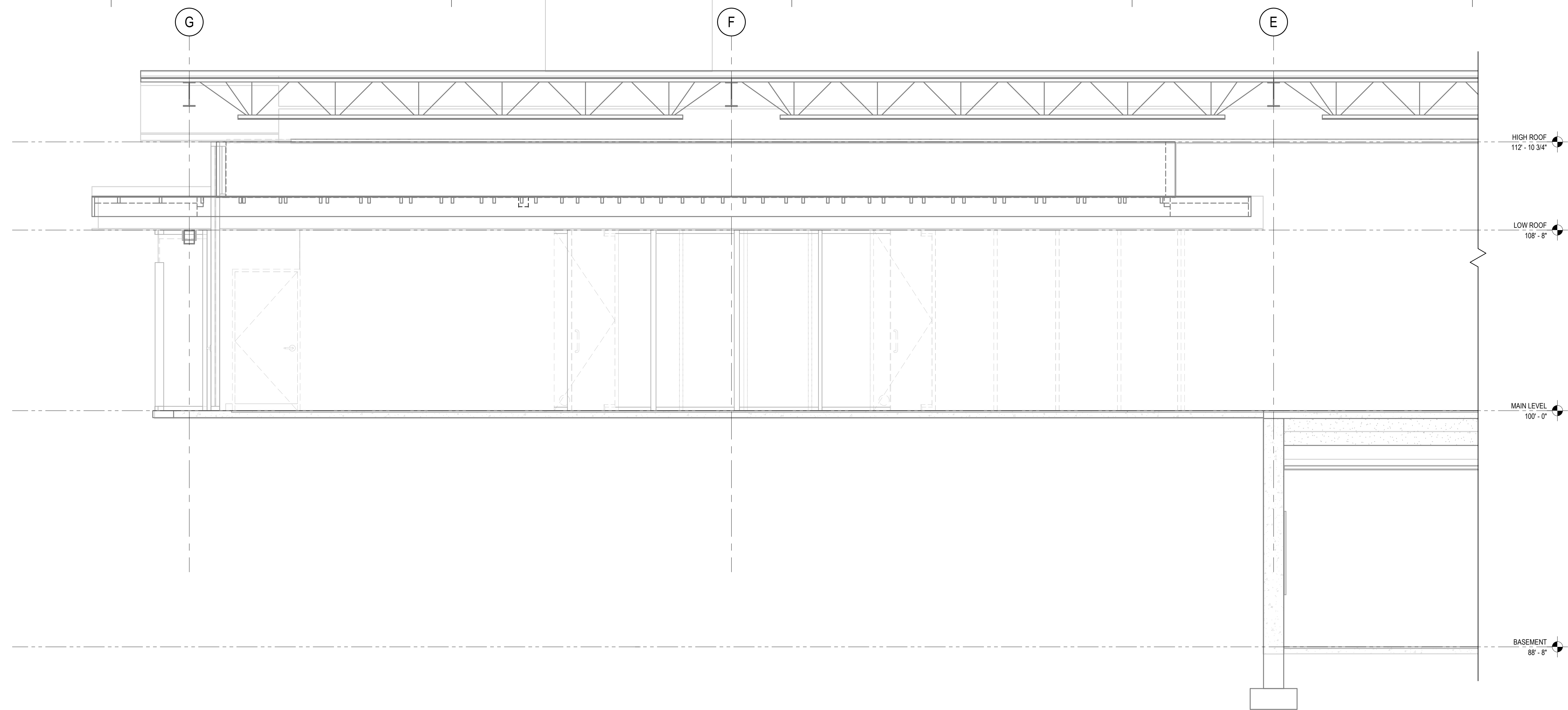
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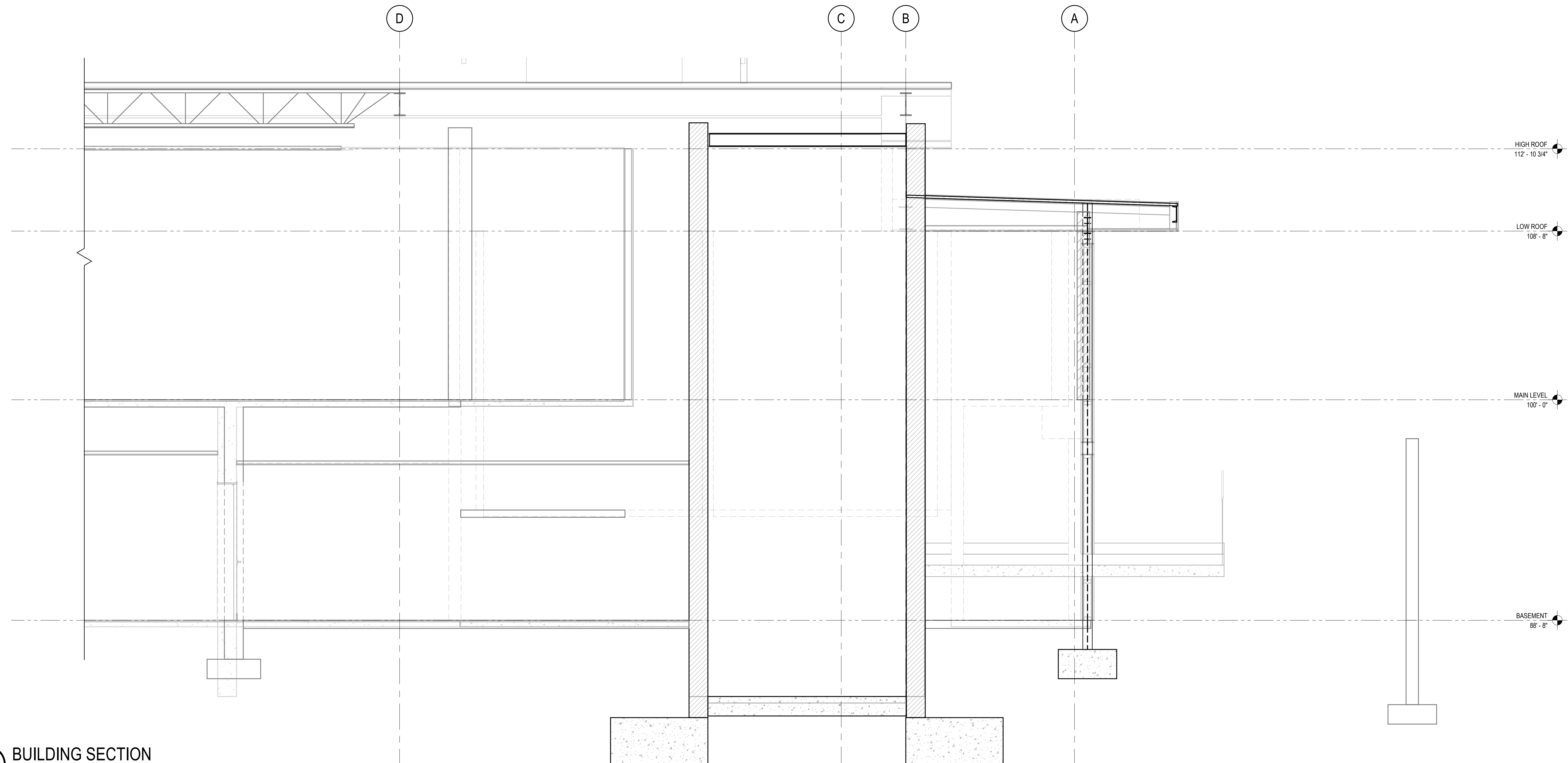


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1 BUILDING SECTION  
3/8" = 1'-0"



2 BUILDING SECTION  
3/8" = 1'-0"

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**BUILDING  
SECTIONS**

SCALE: 3/8" = 1'-0"

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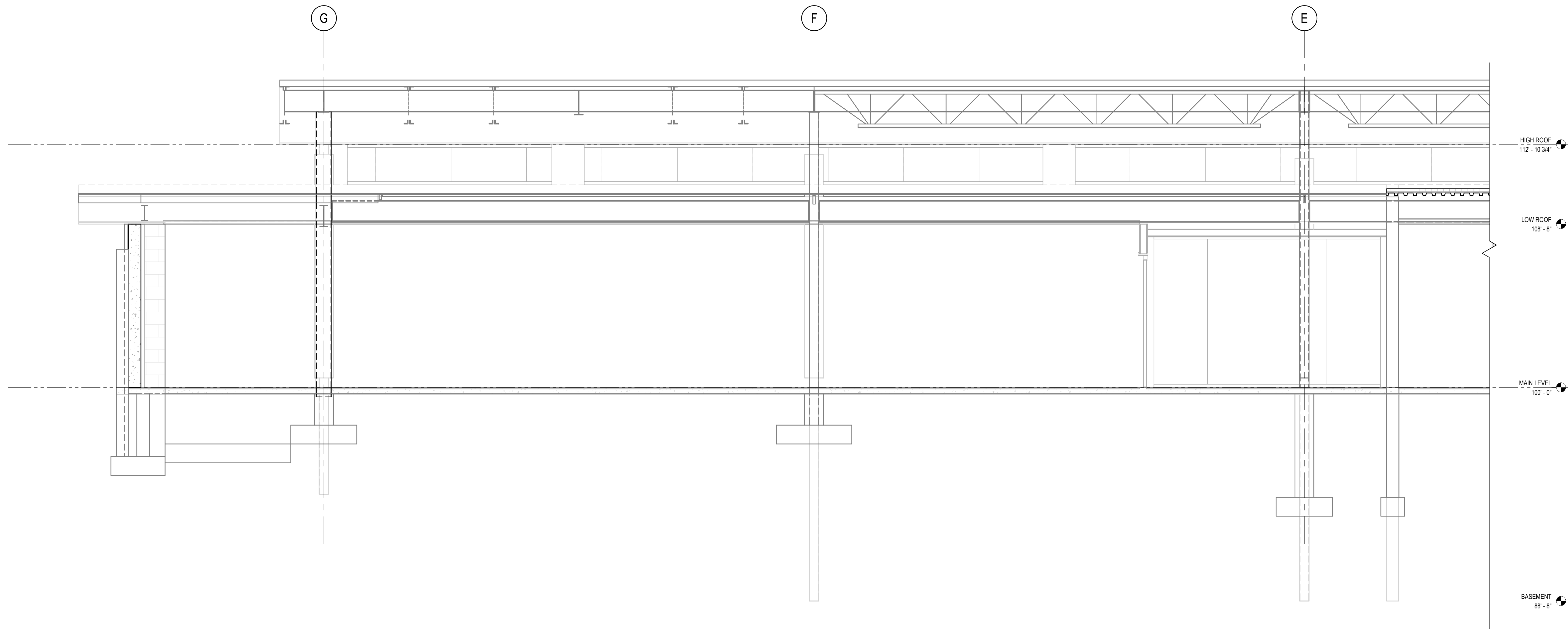
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**BUILDING  
SECTIONS**

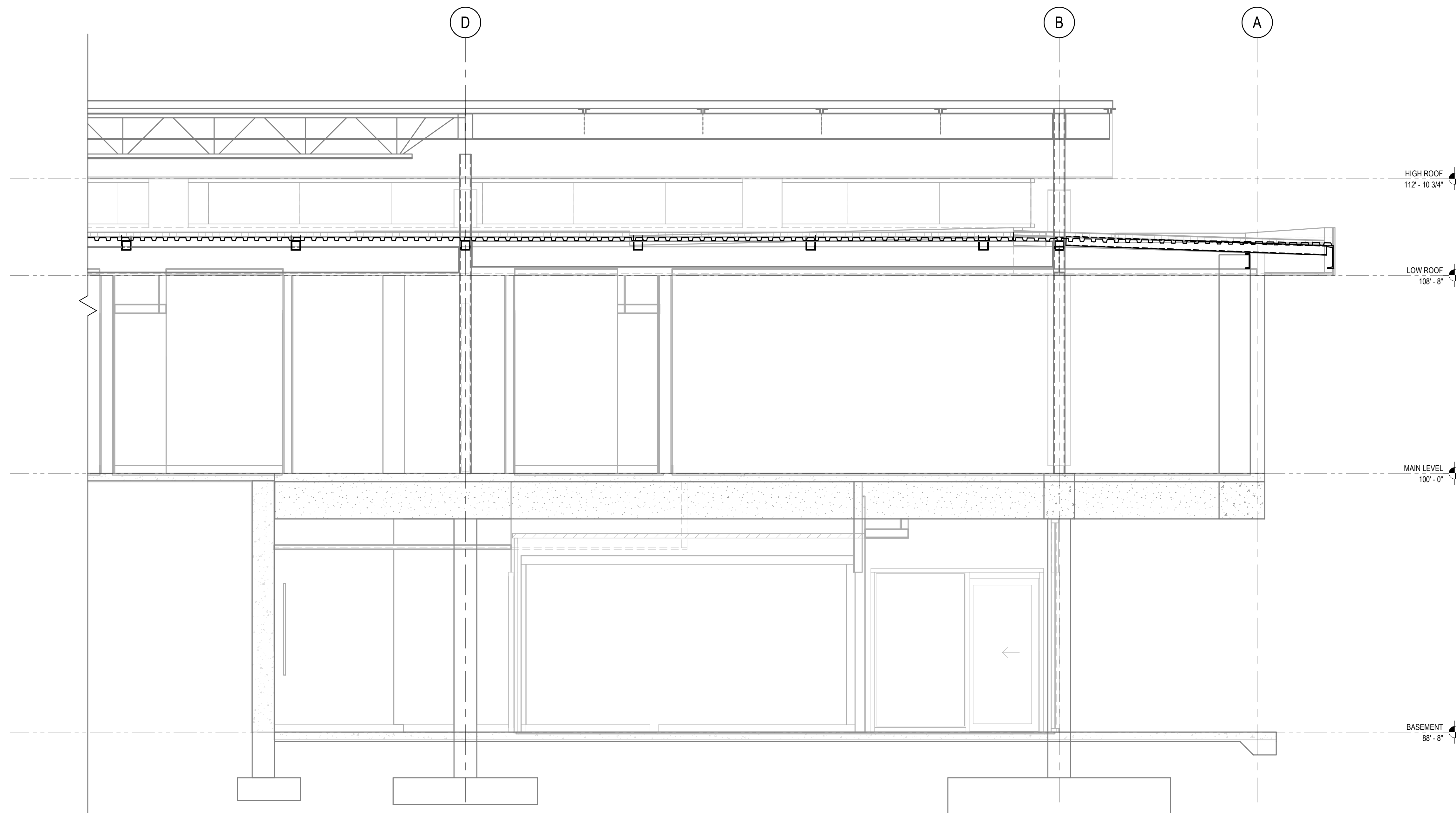
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S3.06



**1 BUILDING SECTION**  
3/8" = 1'-0"



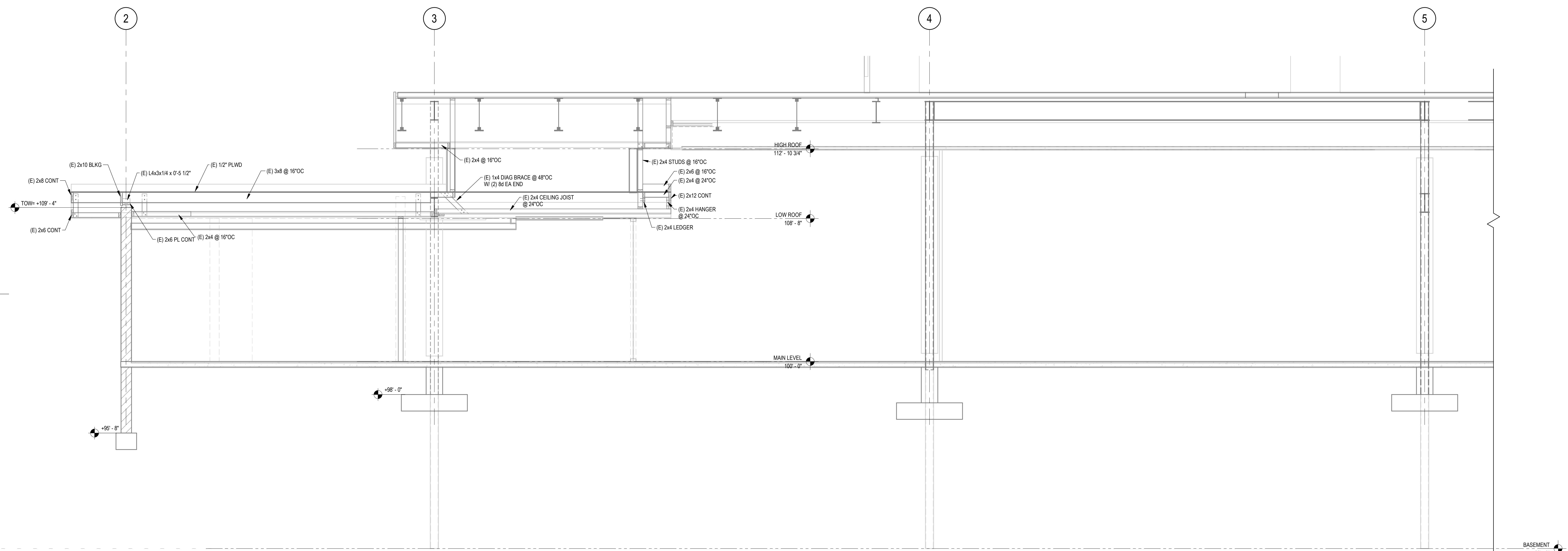
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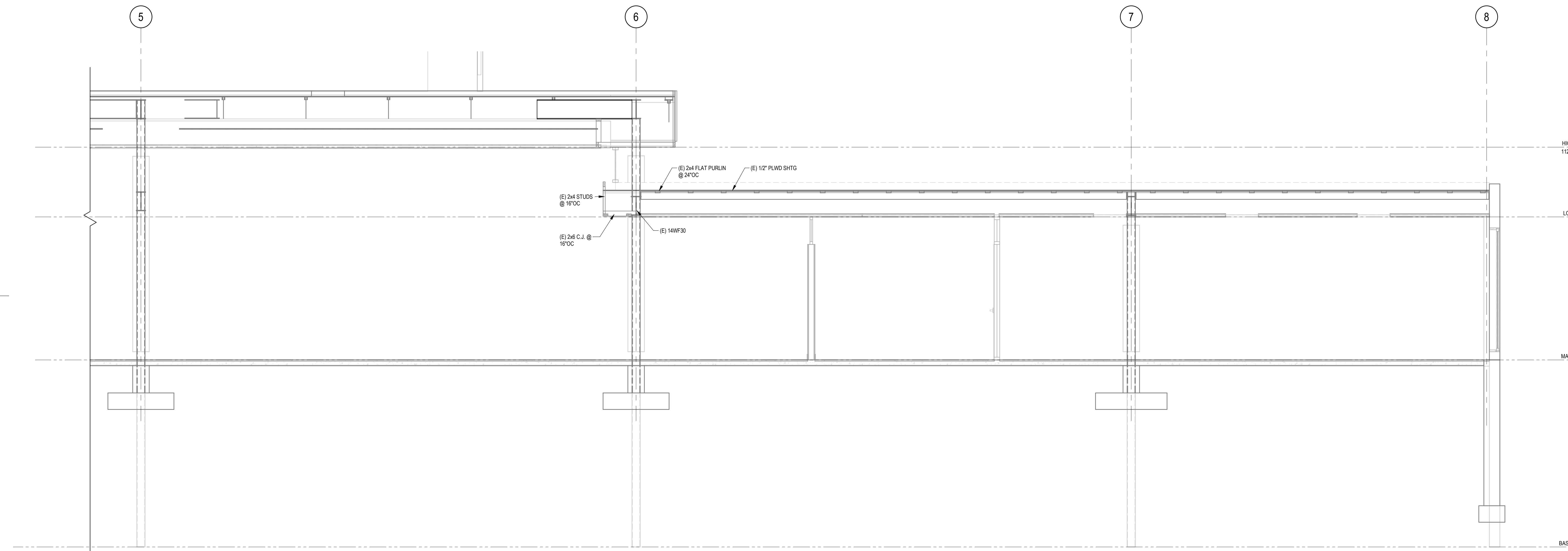


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1 SECTION  
3/8" = 1'-0"



2 SECTION  
3/8" = 1'-0"

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miyamotointernational.com

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NO.	DATE	REVISIONS
	11/15/2023	100% Design Development

PROJECT TITLE:  
**Altadena Main Library**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

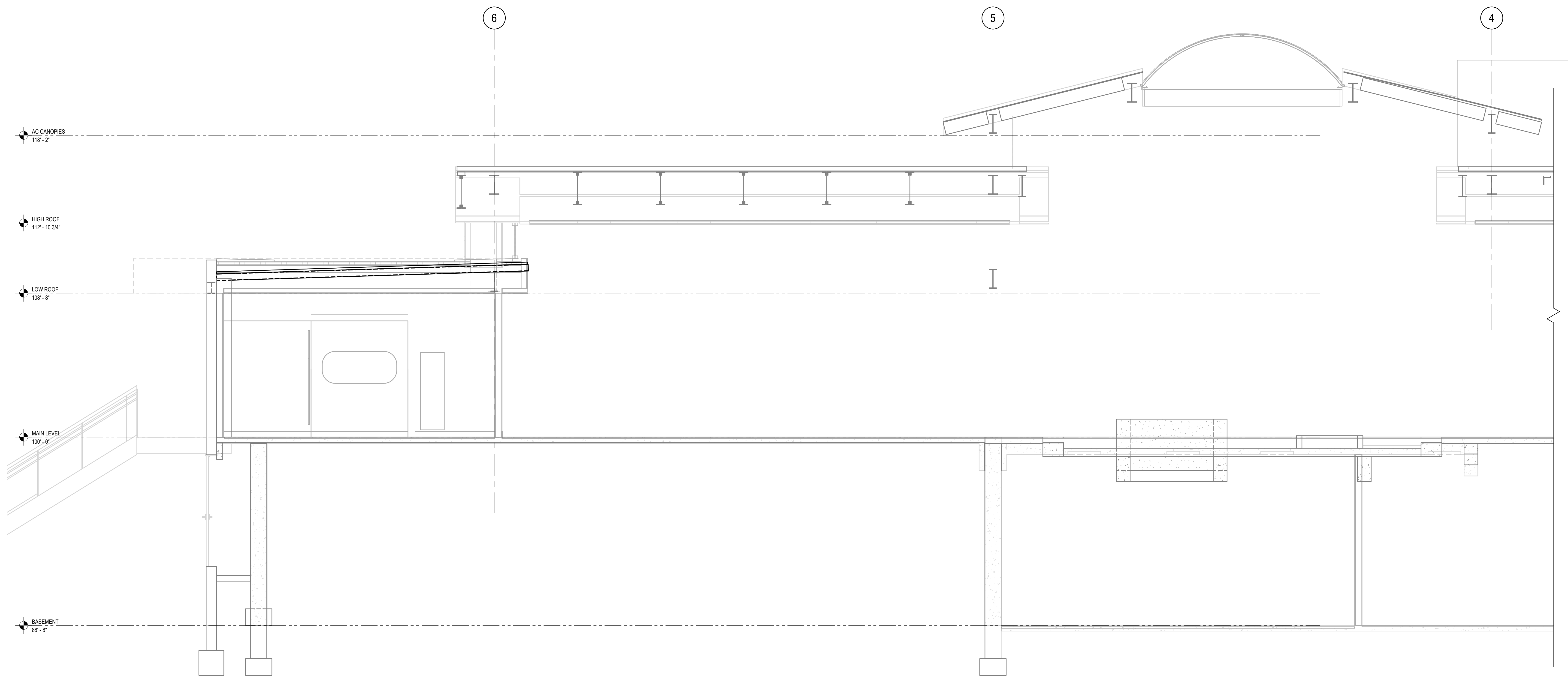
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DATE: Issue Date  
SHEET TITLE:

**BUILDING SECTIONS**

SCALE: 3/8" = 1'-0"

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AC CANOPIES  
118'-2"

HIGH ROOF  
112'-10 3/4"

LOW ROOF  
108'-8"

MAIN LEVEL  
100'-0"

BASEMENT  
88'-8"

**1 SECTION**  
3/8" = 1'-0"

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PROJECT TITLE:  
**Altadena Main Library**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

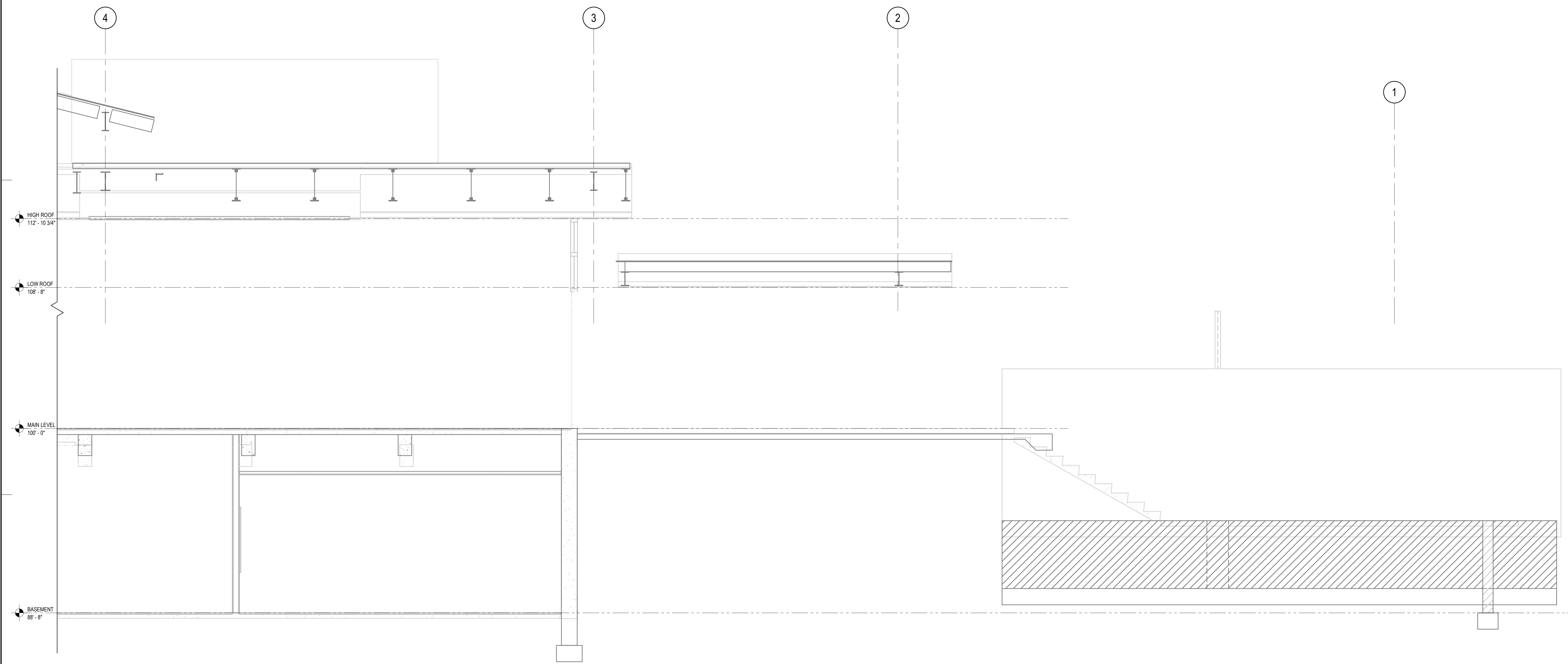
**BUILDING SECTIONS**

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**S3.08**



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1 SECTION  
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	11/15/2023	100% Design Development

PROJECT TITLE:

**Altadena Main Library**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: Issue Date

SHEET TITLE:

**BUILDING SECTIONS**

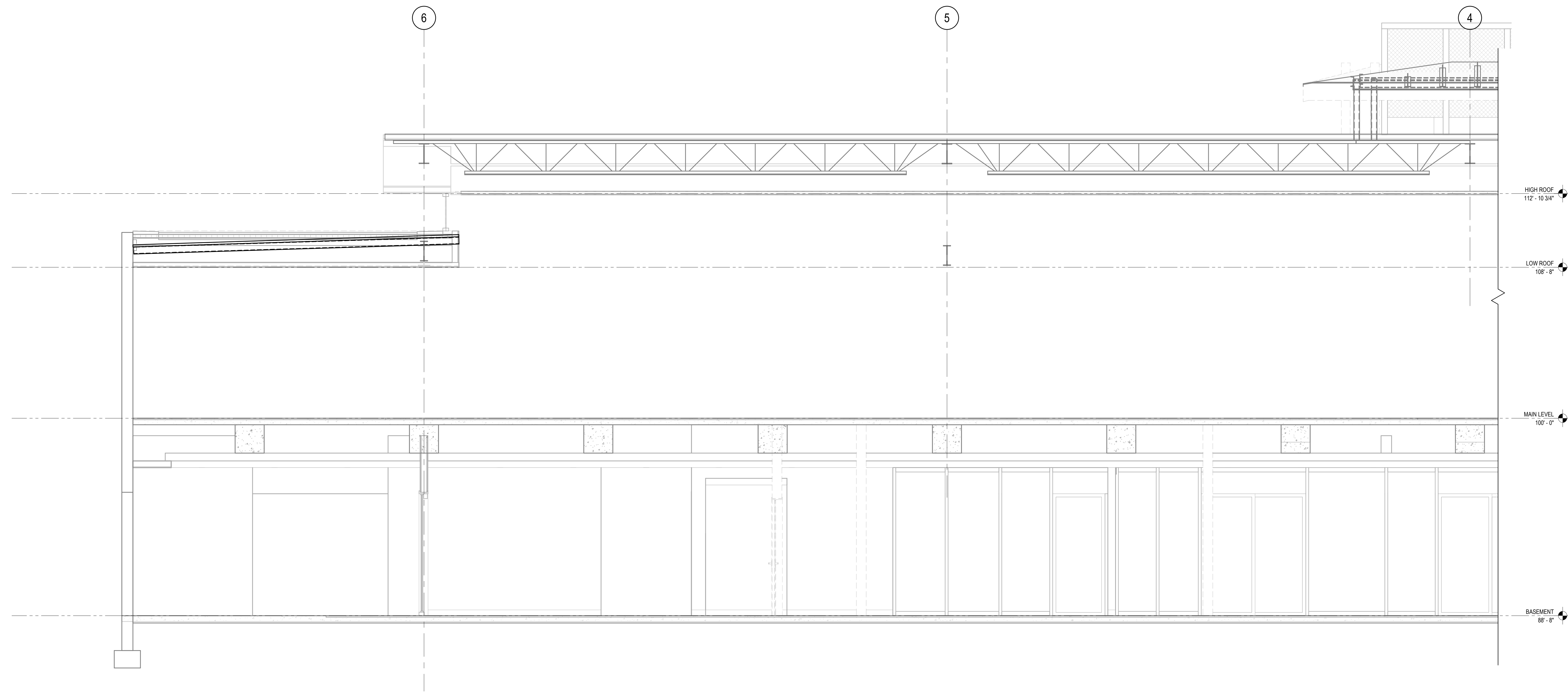
SCALE: 3/8" = 1'-0"

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1 SECTION  
3/8" = 1'-0"

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	11/15/2023	100% Design Development

PROJECT TITLE:

**Altadena Main Library**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**BUILDING SECTIONS**

SCALE: 3/8" = 1'-0"

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**S3.10**

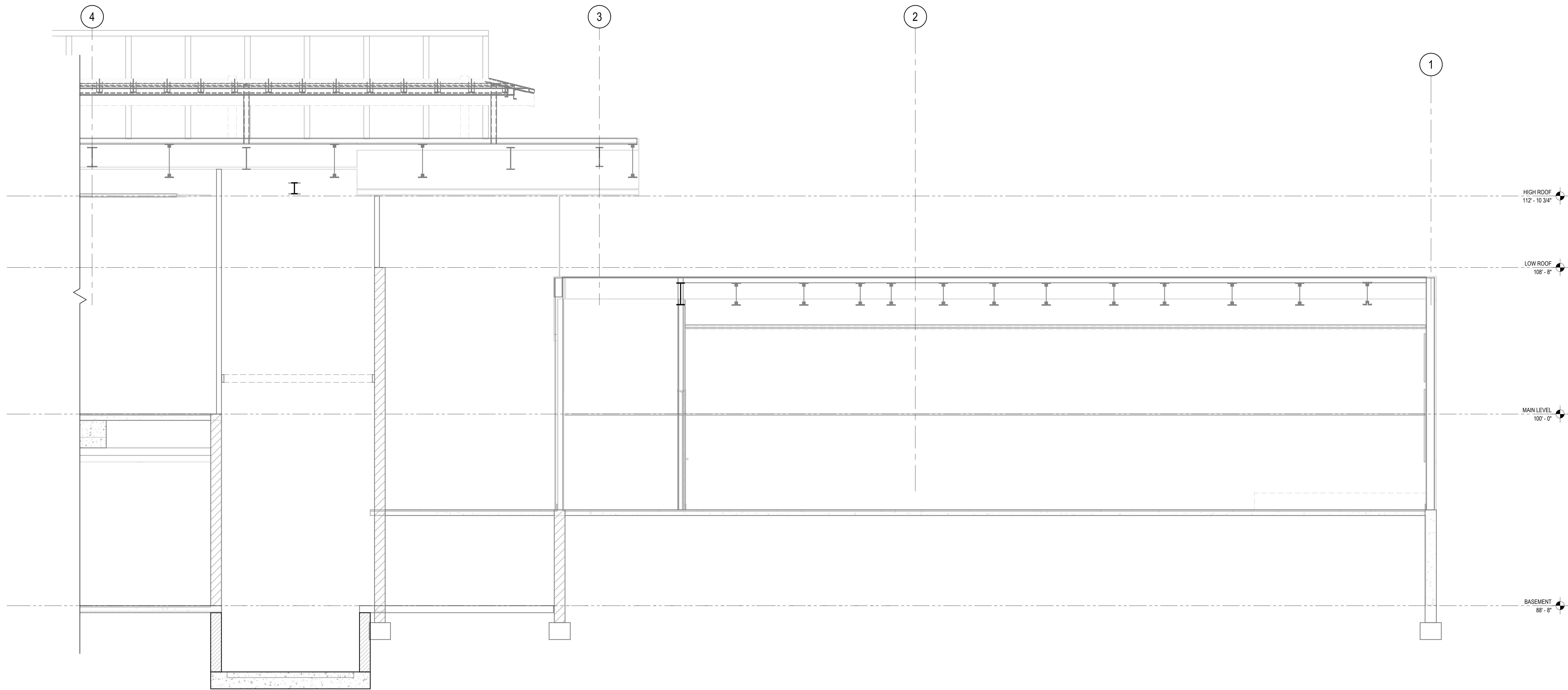
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1 SECTION  
3/8" = 1'-0"

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NO.	DATE	REVISIONS
	11/15/2023	100% Design Development

PROJECT TITLE:  
**Altadena Main Library**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**BUILDING SECTIONS**

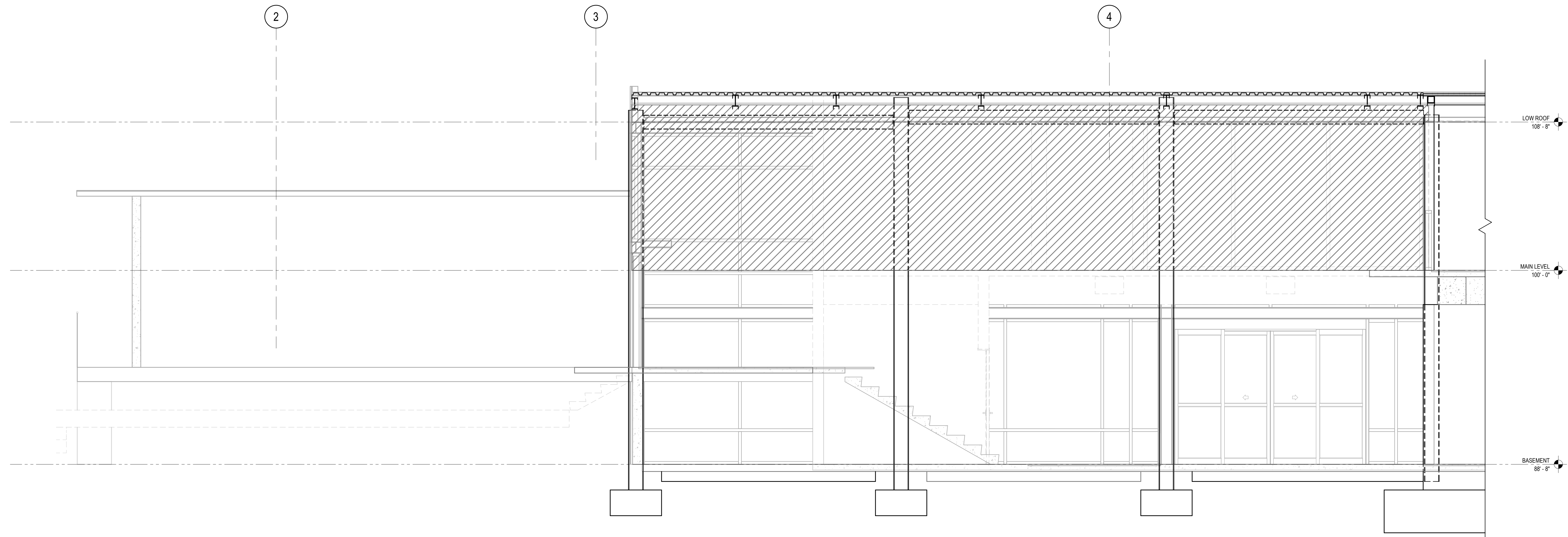
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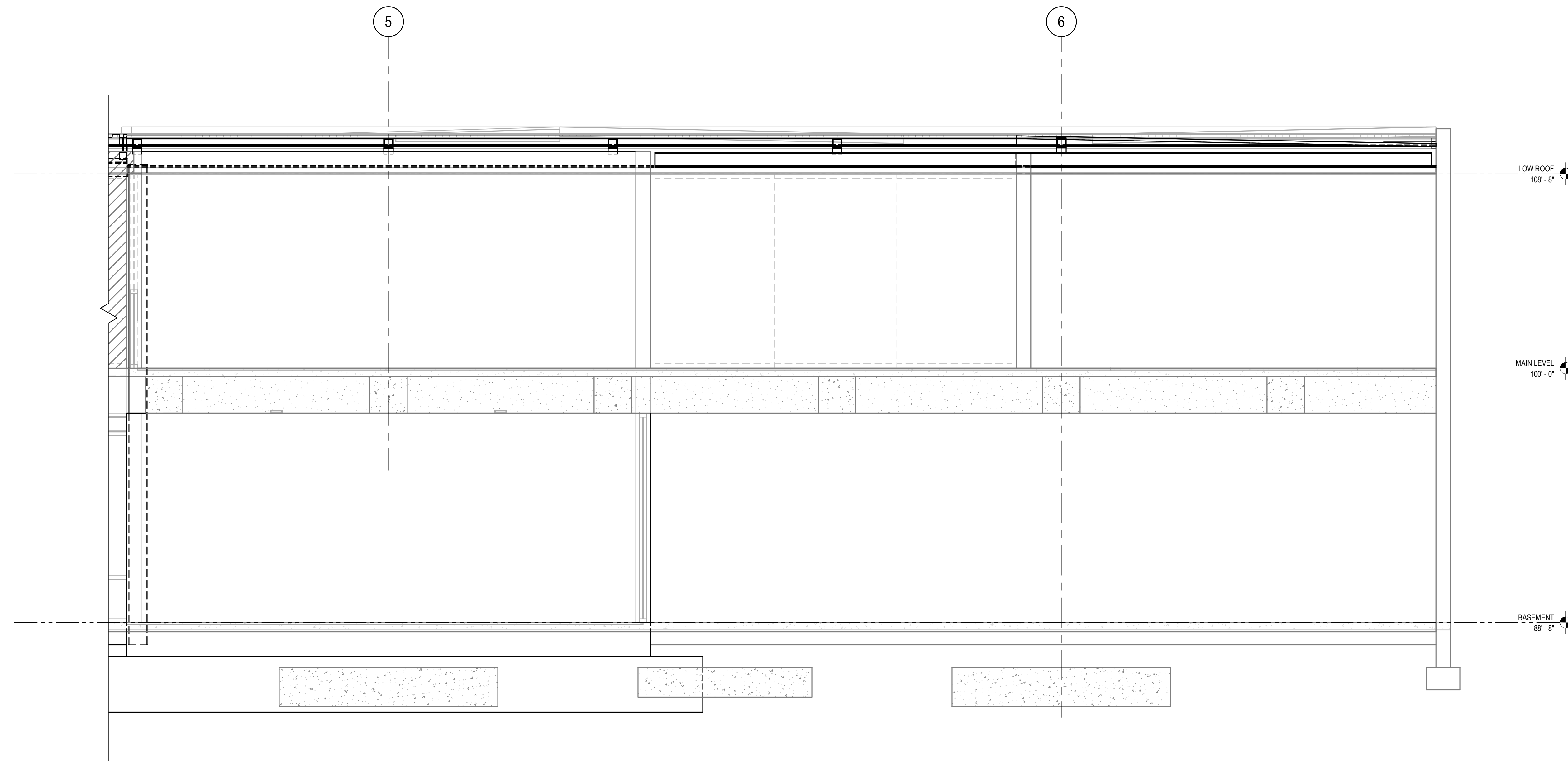


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1 SECTION  
3/8" = 1'-0"



2 SECTION  
3/8" = 1'-0"

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CONSTRUCTION**

NO. DATE REVISIONS

NO.	DATE	REVISIONS
1	11/15/2023	100% Design Development

PROJECT TITLE:

**Altadena Main  
Library**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: Issue Date

SHEET TITLE:

**BUILDING  
SECTIONS**

SCALE: 3/8" = 1'-0"

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S3.12



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PAD FOOTING SCHEDULE				
MARK	LENGTH/WIDTH	THICKNESS	REINFORCING	REMARKS
FF	36" SQ	18"	(4) #5 EA WAY BOTT	
FF				
FF				
FF				

NOTE:  
COMBINE REINFORCEMENT AT ADJACENT FOOTINGS AS REQUIRED.

WALL FOOTING SCHEDULE					
MARK	WIDTH	THICKNESS	LONGITUDINAL REINFORCING	TRANSVERSE REINFORCING	REMARKS
WFB	60"	30"	(5) #5 TOP & BOTT	#6 @ 12"OC TOP & BOTT	
WFB					
WFB					
WFB					

NOTE:  
COMBINE REINFORCEMENT AT ADJACENT FOOTINGS AS REQUIRED.

COLUMN SCHEDULE			
MARK	SIZE	BASEPLATE	REMARKS
CF	HSS6x4x1/2		
CF			
CF			
CF			

CMU WALL SCHEDULE	
THICKNESS	REINFORCING

STEEL COLUMN SCHEDULE			
C1	C2	C3	MARK
			HIGH ROOF
			LOW ROOF
			MAIN LEVEL
			LOWER LEVEL
1 3/4"x18"x18"	1 3/4"x18"x18"	1 3/4"x18"x18"	BASEPLATE (TxBxN)
			REFERENCE

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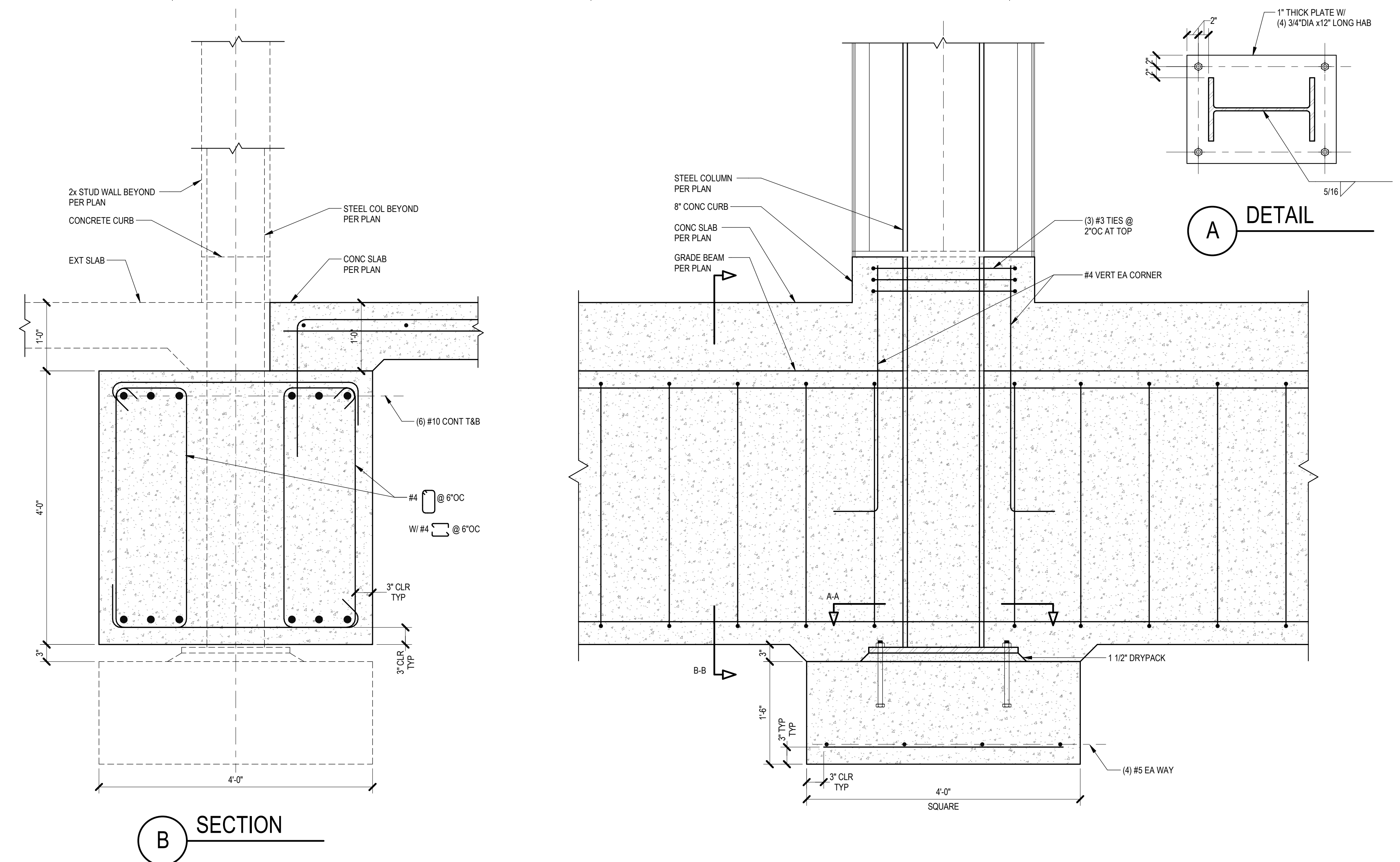
PROJECT TITLE:  
**Altadena Main Library**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date

SHEET TITLE:  
**FOUNDATION LEGEND AND SCHEDULES**

SCALE: As indicated

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10 COLUMN TO PAD FOOTING AT GRADE BEAM  
1" = 1'-0"

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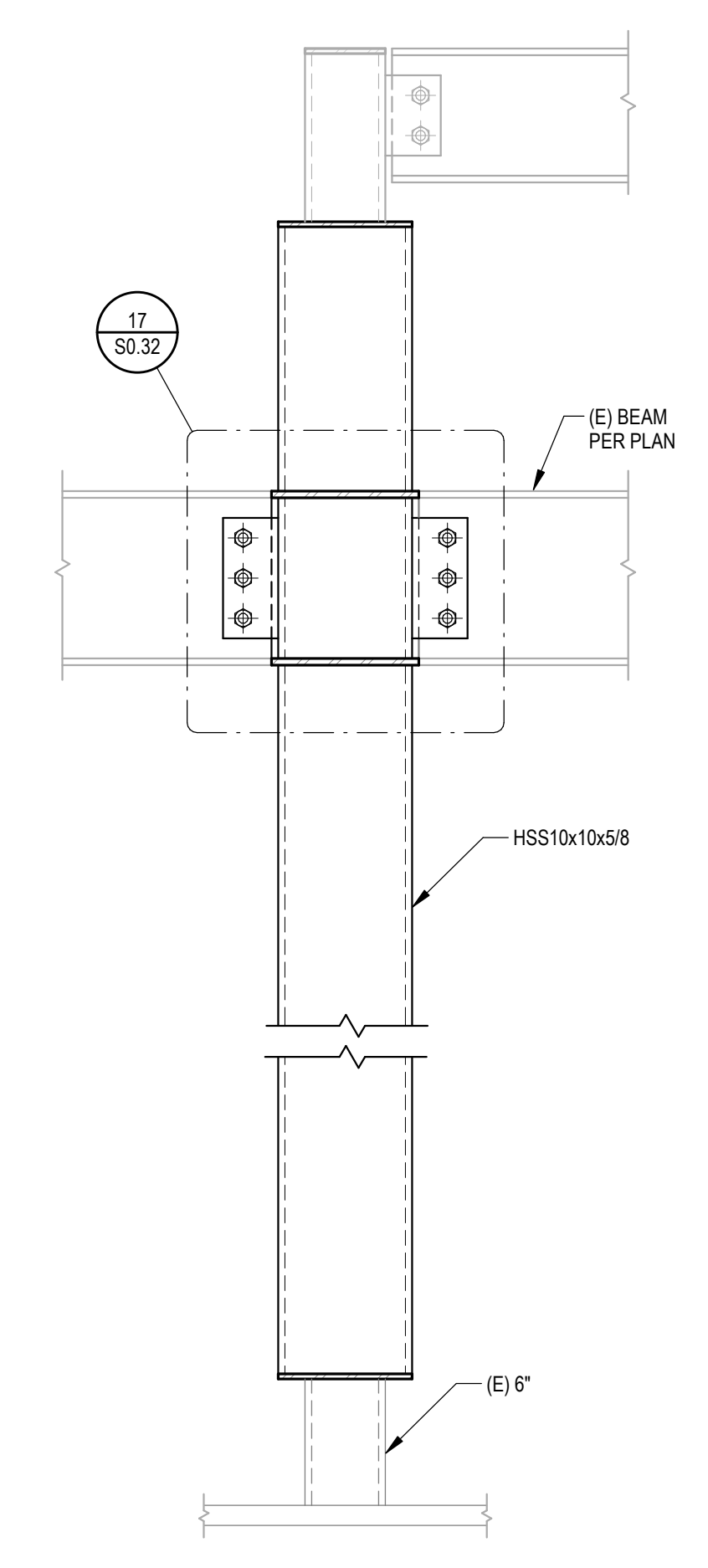
NO.	DATE	REVISIONS
	11/15/2023	100% Design Development

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**Altadena Main Library**  
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ALTADENA, CA 91001

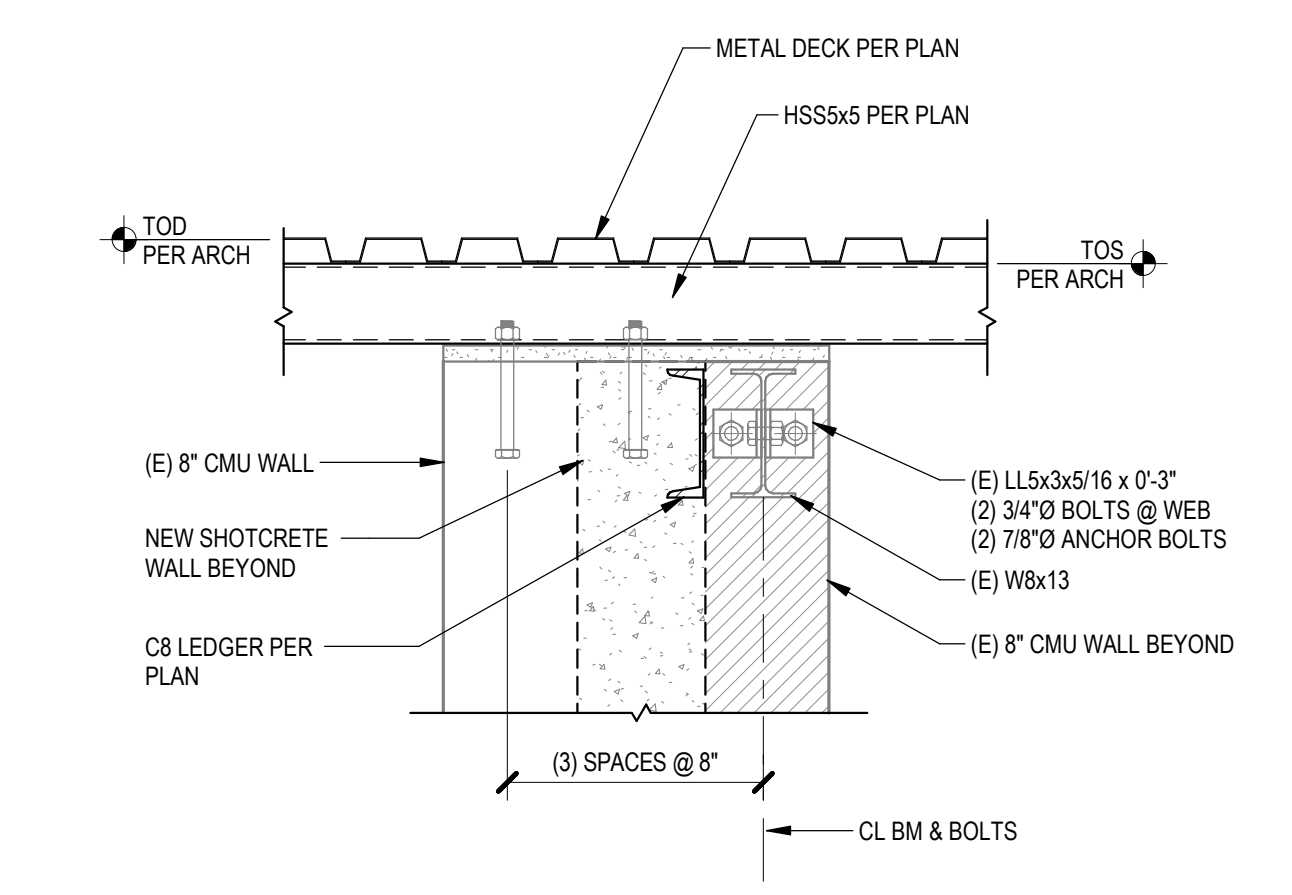
PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**FOUNDATION DETAILS**

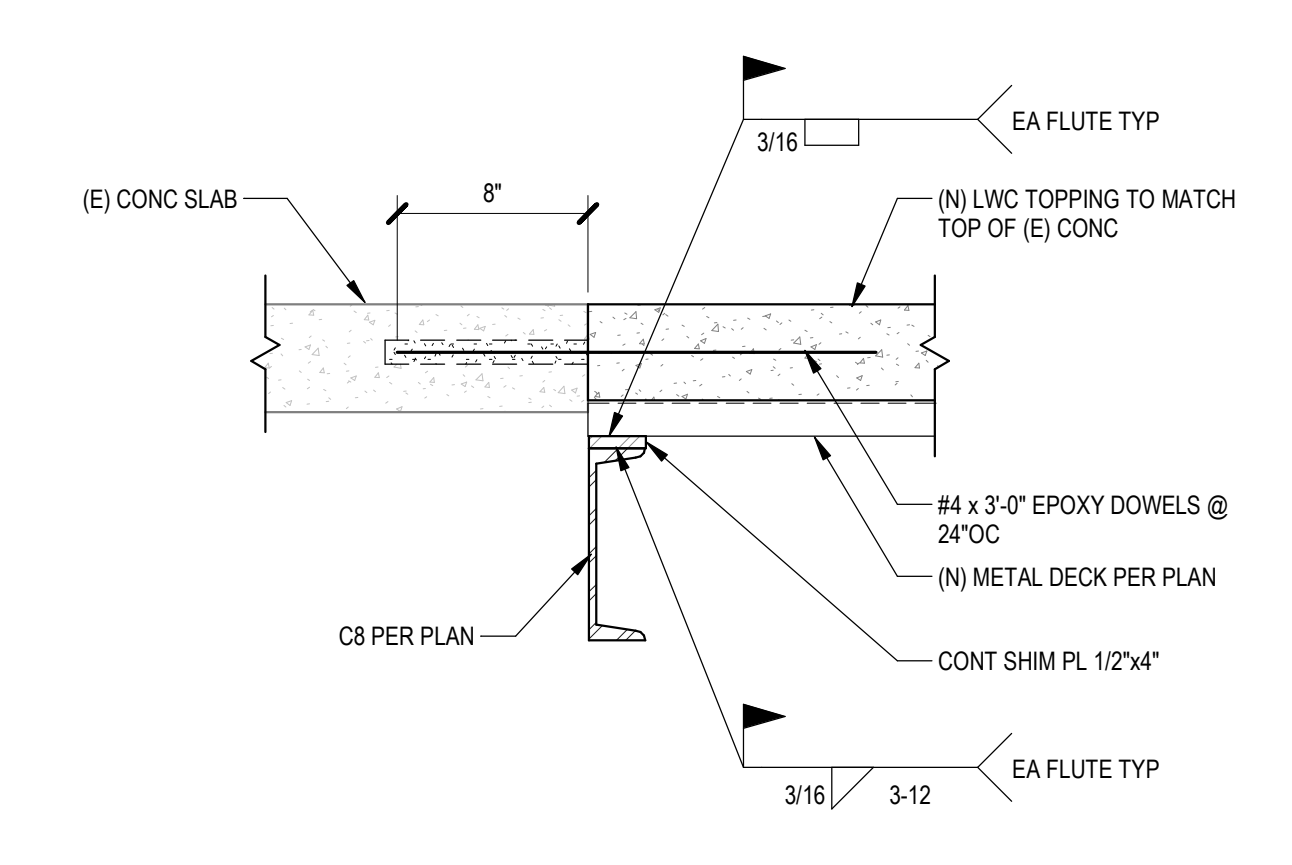
SCALE: 1" = 1'-0"  
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**S5.00**



**2** DETAIL  
1" = 1'-0"



**3** NEW LEDGER TO SHOTCRETE WALL  
1" = 1'-0"



**4** ELEVATED CONCRETE SLAB INFILL  
1 1/2" = 1'-0"

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NO.	DATE	REVISIONS
	11/15/2023	100% Design Development

PROJECT TITLE:

**Altadena Main Library**

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ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**FRAMING DETAILS**

SCALE: As indicated

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MECHANICAL SYMBOLS

Table of mechanical symbols including ceiling diffusers, supply air ducts, return air grilles, dampers, and sensors.

MECHANICAL ABBREVIATIONS

Table of mechanical abbreviations such as A/C, AFUE, BDD, BTUH, CFM, CO, COMP, CONT, DDC, DEG, DI, DIA, DN, DO, DTR, DWD, DWG, DX, E, EA, EAD, EAT, EER, EFF, EG, EMS, EQUIP, ESP, EWT, F, FAI, FLR, FPI, FT, G, GA, GI, GPM, H, HP, HR, HVAC, HW, HZ, I, IN, K, KW, L, (L), LAT, LB, LWT, M, MA, MAX, MB, MBH, MCA, MECH, MFR, MFR, MFR, MOC, MS, MTD, N, NC, NC, NG, NIC, NO, NPS, NTS, O, OA, OC, ODP, OPER, OSA, P, P, PH, PSI, Q, QTY, R, RA, RAD, RG, RL, RPM, RS, S, SA, SAD, SENS, SF, SMS, SOV, S.P., SQ, S/S, SWR, SWS, SYM, T, TDH, TG, TSTAT, TYP, U, UNO, UTR, V, VAC, VFD, W, WT, W.

MECHANICAL GENERAL NOTES

- 1. ALL DUCT INSULATION TO HAVE MINIMUM 8.0 INSTALLED R-VALUE.
2. DUCT CONSTRUCTION SHALL BE GALVANIZED STEEL IN ACCORDANCE W/ CHAPTER 6 OF THE C.M.C.
3. FLEXIBLE DUCTWORK & DUCTLINER SHALL HAVE FLAME SPREAD RATING NOT EXCEEDING 25, AND A SMOKE DEVELOPED RATING NOT EXCEEDING 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84, NFPA 255 AND U.L. 723.
4. FLEXIBLE DUCTS SHALL CONSIST OF AN EXTERIOR REINFORCED LAMINATED VAPOR BARRIER, 3" FIBERGLASS INSULATION (R-8.0), ENCAPSULATED SPRING STEEL WIRE HELIX AND IMPERVIOUS, SMOOTH, NON-PERFORATED INTERIOR VINYL LINER.
5. FLEXIBLE DUCTS SHALL BE SUPPORTED AT OR NEAR MID-LENGTH WITH 2" WIDE 28 GA. STEEL HANGER COLLAR ATTACHED TO THE STRUCTURE WITH AN APPROVED DUCT HANGER.
6. PROVIDE BACKDRAFT DAMPERS AT ALL EXHAUST AND FRESH AIR INTAKES.
7. THERMOSTATS SHALL BE AUTOMATIC CHANGE-OVER TYPE TO SEQUENCE HEATING AND COOLING.
8. LINE VOLTAGE WIRING, LINE VOLTAGE CONDUIT, UNDERGROUND LOW VOLTAGE CONDUIT, DISCONNECT SWITCHES AND FINAL CONNECTION BY ELECTRICAL CONTRACTOR.
9. PROVIDE PERMANENT LABEL ON EACH A/C UNIT IDENTIFYING AREA/SPACE SERVED PER CMC 303.6.
10. SYSTEM AIR BALANCE SHALL BE PERFORMED BY AN INDEPENDENT AGENCY CERTIFIED BY THE AABC.
11. PROVIDE WRITTEN WARRANTY TO REPLACE ALL FAULTY MATERIALS AND/OR LABOR, AT NO COST TO OWNER.
12. FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC.
13. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED, NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER.
14. ALL DUCT SIZES SHOWN ARE NET INSIDE DIMENSIONS AND DO NOT ACCOUNT FOR DUCT LINER THICKNESS WHERE APPLICABLE.
15. ALL BRANCH DUCTS SHALL BE PROVIDED WITH ACCESSIBLE MANUAL VOLUME DAMPERS.
16. PROVIDE FLEXIBLE CONNECTIONS TO ALL HVAC EQUIPMENT (A/C UNIT, FANS, ETC.).
17. INSTALLATION & MATERIALS SHALL CONFORM TO THE 2019 EDITION OF THE CALIFORNIA MECHANICAL CODE (CMC) & TITLE 24 PARTS 4 & 6.
18. CONTRACTOR SHALL PROVIDE AS-BUILTS, CAD GENERATED AND DRAWN TO 1/8" = 1'-0" SCALE.
19. VERIFY FINAL LOCATIONS OF THERMOSTATS AND SENSORS WITH FURNITURE PLANS AND OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.

ACCEPTANCE TESTING

MANDATORY ACCEPTANCE TESTING PER TITLE 24, PART 6 SHALL BE AS FOLLOWS:
AN AABC AGENCY SHALL ACT AS THE ACCEPTANCE AGENT AND PERFORM WORK REQUIRED IN THE FOLLOWING ACCEPTANCE TESTS AS DESCRIBED IN CHAPTER 13 OF THE 2019 NONRESIDENTIAL COMPLIANCE MANUAL. THIS SHALL INCLUDE FILLING OUT, SIGNING, AND SUBMITTING APPLICABLE FORMS LISTED HEREIN.
NRCA-MCH-02-A - OUTDOOR AIR ACCEPTANCE
NRCA-MCH-03-A - CONSTANT VOLUME, SINGLE ZONE, UNITARY AIR CONDITIONER AND HEAT PUMP SYSTEMS.
NRCA-MCH-04-A - AIR DISTRIBUTION SYSTEMS ACCEPTANCE
NRCA-MCH-05-A - AIR ECONOMIZER CONTROLS ACCEPTANCE
NRCA-MCH-06-A - DEMAND CONTROL VENTILATION SYSTEMS ACCEPTANCE
NRCA-MCH-07-A - SUPPLY FAN VFD ACCEPTANCE
NRCA-MCH-08-A - VALVE LEAKAGE TEST
NRCA-MCH-09-A - SUPPLY WATER TEMPERATURE RESET CONTROLS ACCEPTANCE
NRCA-MCH-10-A - HYDRONIC SYSTEM VARIABLE FLOW CONTROL ACCEPTANCE
NRCA-MCH-11-A - AUTOMATIC DEMAND SHED CONTROL ACCEPTANCE
NRCA-MCH-12-A - FAULT DETECTION & DIAGNOSTICS (FDD) FOR PACKAGED DIRECT EXPANSION UNITS
NRCA-MCH-13-A - AUTOMATIC FAULT DETECTION & DIAGNOSTICS (FDD) FOR AIR HANDLING UNITS & ZONE TERMINAL UNITS ACCEPTANCE
NRCA-MCH-14-A - DISTRIBUTED ENERGY STORAGE DX AC SYSTEMS ACCEPTANCE
NRCA-MCH-15-A - THERMAL ENERGY STORAGE (TES) SYSTEM ACCEPTANCE
NRCA-MCH-16-A - SUPPLY AIR TEMPERATURE RESET CONTROLS ACCEPTANCE
NRCA-MCH-17-A - CONDENSER WATER SUPPLY TEMPERATURE RESET CONTROLS ACCEPTANCE
NRCA-MCH-18-A - ENERGY MANAGEMENT CONTROL SYSTEM ACCEPTANCE
SPECIFIC REQUIREMENTS AND ACCEPTANCE TESTING FORMS ARE AVAILABLE IN THE 2019 NONRESIDENTIAL COMPLIANCE MANUAL WHICH CAN BE DOWNLOADED FROM www.energy.ca.gov/title24/2019standards/.

PIPE AND DUCT SUPPORT NOTES

ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH "MASON" SEISMIC RESTRAINT GUIDELINES FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS. OSHPD PRE-APPROVAL # OPM-0043-13.
WHERE ANCHORAGE & BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, MECHANICAL ENGINEER AND THE INSPECTOR.
A COPY OF THE GUIDELINES PUBLISHED BY "MASON" SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB SITE AT ALL TIMES.

SEISMIC NOTES

- A) THE SEISMIC ANCHORAGE FOR ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE DESIGNED TO WITHSTAND A LATERAL FORCE:
1. CALCULATED AS SPECIFIED IN SECTION 1616A OF THE VOL. 2, TITLE 24, 2016 CBC.
B) THE CAPACITY OF THE ANCHORAGE CONNECTORS IN SHEAR AND/OR TENSION SHALL BE CLEARLY INDICATED IN THE CALCULATIONS, WHICH INDICATE, ICBO REPORT NO. (IF APPLICABLE) THEIR TOTAL NUMBER, SIZE, GRADE, EMBEDMENT, EDGE DISTANCES, AND OTHER FACTORS WHICH AFFECT THE CAPACITY IN SHEAR AND TENSION.
C) ANCHORAGE DETAILS FOR EQUIPMENT WHICH ARE NOT APPROVED DURING PLAN REVIEW ARE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO INSTALLATION AND INSPECTION BY THE PROJECT INSPECTOR.

MECHANICAL MANDATORY MEASURES

EQUIPMENT AND SYSTEMS EFFICIENCY
ANY APPLIANCE FOR WHICH THERE IS A CALIFORNIA STANDARD ESTABLISHED IN THE APPLIANCE EFFICIENCY STANDARDS SHALL COMPLY WITH THAT STANDARD.
CONTROLS
EACH SPACE CONDITIONING ZONE SHALL BE CONTROLLED BY AN INDIVIDUAL THERMOSTATIC CONTROL THAT RESPONDS TO THE SUPPLY OF HEATING AND COOLING ENERGY WITHIN THAT ZONE §20.2(a). WHEN USED TO CONTROL HEATING, THE THERMOSTATIC CONTROL MUST BE ADJUSTABLE DOWN TO 55°F OR LOWER. FOR COOLING, THE THERMOSTATIC CONTROL MUST BE ADJUSTABLE UP TO 85°F OR HIGHER. WHEN USED TO CONTROL BOTH HEATING AND COOLING, THE THERMOSTATIC CONTROL MUST BE ADJUSTABLE FROM 55°F TO 85°F AND ALSO PROVIDE A DEAD BAND OF AT LEAST 5" F WITHIN WHICH THE SUPPLY OF HEATING AND COOLING IS SHUT OFF OR REDUCED TO A MINIMUM.
VENTILATION
CONTROLS SHALL BE PROVIDED TO ALLOW OUTSIDE AIR DAMPERS OR DEVICES TO BE OPERATED AT THE VENTILATION RATES AS SPECIFIED IN THESE PLANS.
AIR BALANCING: ALL SPACE CONDITIONING AND VENTILATION SYSTEMS SHALL BE BALANCED TO THE QUANTITIES SPECIFIED IN THESE PLANS, IN ACCORDANCE WITH THE ASSOCIATED AIR BALANCE COUNCIL (AABC) NATIONAL STANDARDS.
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.
FANS USED FOR VENTILATION SHALL OPERATE CONTINUOUSLY DURING OCCUPIED HOURS.
THERMOSTATS SHALL HAVE NUMERIC SETPOINTS IN DEGREES FAHRENHEIT (F) AND ADJUSTABLE STOPS ACCESSIBLE ONLY BY AUTHORIZED PERSONNEL.

MECHANICAL SHEET INDEX

Table with columns SHEET NO. and DESCRIPTION. Lists sheets M001 through M301 including general notes, schedules, details, demolition plans, and roof plans.

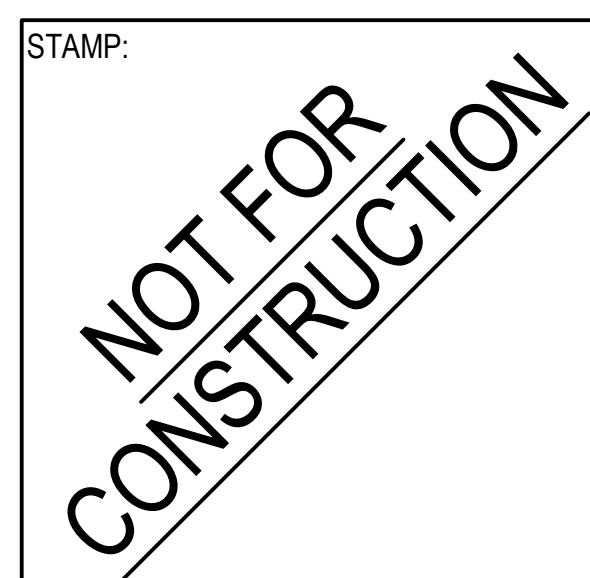


Table with columns NO., DATE, REVISIONS. Contains a grid for tracking revisions.

PROJECT TITLE: Altadena Main Library
600 E MARIPOSA STREET
ALTADENA, CA 91001

PROJECT NO. 2111010
DATE: Issue Date
SHEET TITLE:

MECHANICAL GENERAL NOTES SYMBOLS AND ABBREVIATIONS

SCALE: N.T.S.

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DCG ENGINEERS
Consulting Mechanical and Electrical Engineers

4750 E. Ontario Mills Pkwy
Ontario, Ca 91764
Ph: 909.387.5017
Fax: 909.386.7023

M001

**AIR CONDITIONING UNIT SCHEDULE**

SYM.	MFR./MODEL	AREA SERVED	COOLING (MBH)		SEER EER	HEATING INPUT/OUTPUT (MBH)		CFM	ESP (INCHES) W.G.	OSA CFM MIN.	ELECTRICAL				POWER EXHAUST ELECTRICAL				SUPPLY FAN HP	OPER. WT. (LBS.)	REMARKS	BLDG. LOCATION	ANCHOR DETAIL REF
			SENSIBLE	TOTAL		INPUT	OUTPUT				FLA	MCA	MOCP	VOLTAGE/PHASE	SYM.	HP	BHP	MCA					
MEZ 1	SEASON 4 SA020	BREAK RM, OPEN WORK, CHILDRENS	187.5	253.427	- 11.4	400/320	9100	0.85	-	-	113	125	208 3	PE 1	1.5	1.17	113	208 3	7.5	6000	FOUR STAGE COOLING, STAINLESS STEEL DRAIN PAN, HOT GAS BYPASS, ENTHALPY SENSOR WITH ECONOMIZER FAULT DETECTION & DIAGNOSTICS, POWER EXHAUST WITH VFD, BACNET MS/TP MODBUS & N2 COMMUNICATION CARD, CONTRACTOR TO INSTALL NEW CURB AND DUCT DETECTORS ON SUPPLY AND RETURN. COMPLETE WITH ISOLATION CURB, MODULATING POWER EXHAUST AND ECONOMIZER.	ROOF	M004
MEZ 2	SEASON 4 SA020	CHILDRENS, TWEENS, YOUNG ADULT	187.5	253.427	- 11.4	400/320	9100	0.85	-	-	113	125	208 3	PE 2	1.5	1.17	113	208 3	7.5	6000		ROOF	M004
MEZ 3	SEASON 4 SA020	LOWER LOBBY MAKER SPACE TELE MTG	187.5	253.427	- 11.4	400/320	9100	0.85	-	-	113	125	208 3	PE 3	1.5	1.17	113	208 3	7.5	6000		ROOF	M004

**AIR CONDITIONING UNIT SCHEDULE**

SYM.	MFR./MODEL	AREA SERVED	COOLING (MBH)		SEER EER	HEATING(MBH)		AFUE %	CFM	EVAPORATOR FAN BHP	ESP (INCHES) W.G.	OSA CFM MIN.	ELECTRICAL			POWER EXHAUST ELECTRICAL			OPER. WT. (LBS.)	REMARKS	BLDG. LOCATION	ANCHOR DETAIL REF		
			SENSIBLE	TOTAL		INPUT	OUTPUT						MCA	MOCP	VOLTAGE/PHASE	SYM.	HP	FLA					MCA	VOLTAGE/PHASE
AC 1	TRANE YHJ090	COMMUNITY 201	75.60	95.26	16.6 12.1	150.0	121.5	80	3200	0.98	0.50	-	20	25	208 3	PE 1	1	3.8	4.8	208 3	1700	COMPLETE WITH ISOLATION ROOF CURB, MODULATING POWER EXHAUST, ECONOMIZER, DCV, ULTRA LOW NOX, AND ELECTROMECHANICAL CONTROLS. CONNECT TO EMS, PROVIDE WITH MERV 13 FILTER.	ROOF	M004
AC 2	TRANE YHJ240	COMMUNITY 114	187.68	247.20	16.3 10.8	250.0	202.5	81	8000	3.0	0.80	-	108.0	125.0	208 3	PE 4	2	13.6	17.0	208 3	3400	COMPLETE WITH ISOLATION ROOF CURB, MODULATING POWER EXHAUST, ECONOMIZER, DCV, ULTRA LOW NOX, AND ELECTROMECHANICAL CONTROLS. CONNECT TO EMS, PROVIDE WITH MERV 13 FILTER.	ROOF	M004

- \* OPERATING WEIGHT INCLUDES CURB, ACCESSORIES AND UNIT WEIGHT.
- \* FULLY AUTOMATIC FIRE ALARM SYSTEM INSTALLED. COORDINATE WITH FIRE ALARM CONTRACTOR FOR UNIT SHUT DOWN. TYPICAL FOR ALL UNITS EXCEEDING 2000 CFM.

**EXHAUST FAN SCHEDULE**

SYM.	MFR./MODEL	TYPE	CFM	S.P. INCHES	RPM	SONES	ELECTRICAL			OPER. WT. (LBS.)	REMARKS	BLDG. LOCATION	ANCHOR DETAIL
							WATT	HP	VOLTAGE/PHASE				
EF 1	GREENHECK GB-100	ROOF	660	0.50	1226	5.5	-	1/4	115 1	100	PROVIDE W/ ROOF CURB, TEFC MOTOR, BACK DRAFT DAMPER. INTERLOCK WITH BAS.	RESTROOM LOWER LVL	M004
EF 2	GREENHECK GB-100	ROOF	660	0.50	1226	5.5	-	1/4	115 1	100	PROVIDE W/ ROOF CURB, TEFC MOTOR, BACK DRAFT DAMPER. INTERLOCK WITH BAS.	RESTROOM MAIN LVL	M004
EF 3	GREENHECK SPA 90	CEILING	100	0.125	900	0.3	16	-	115 1	15	PROVIDE W/ ROOF CURB, CAP, BACK DRAFT DAMPER. INTERLOCK WITH LIGHT SWITCH.	FAMILY RESTROOM	
EF 4	GREENHECK SPA 90	CEILING	100	0.125	900	0.3	16	-	115 1	15	PROVIDE W/ ROOF CURB, CAP, BACK DRAFT DAMPER. INTERLOCK WITH LIGHT SWITCH.	STAFF RESTROOM	

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PROJECT TITLE:  
**Altadena Main  
Library**  
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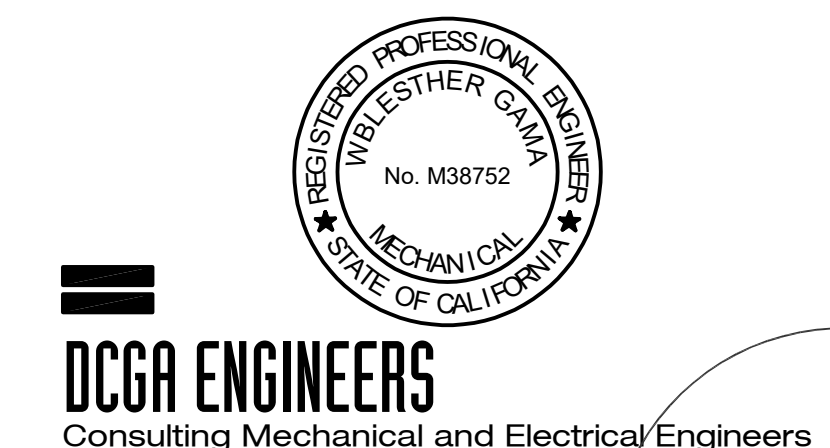
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DATE: Issue Date  
SHEET TITLE:

**MECHANICAL  
SCHEDULE4S**

SCALE: N.T.S.

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**M002**



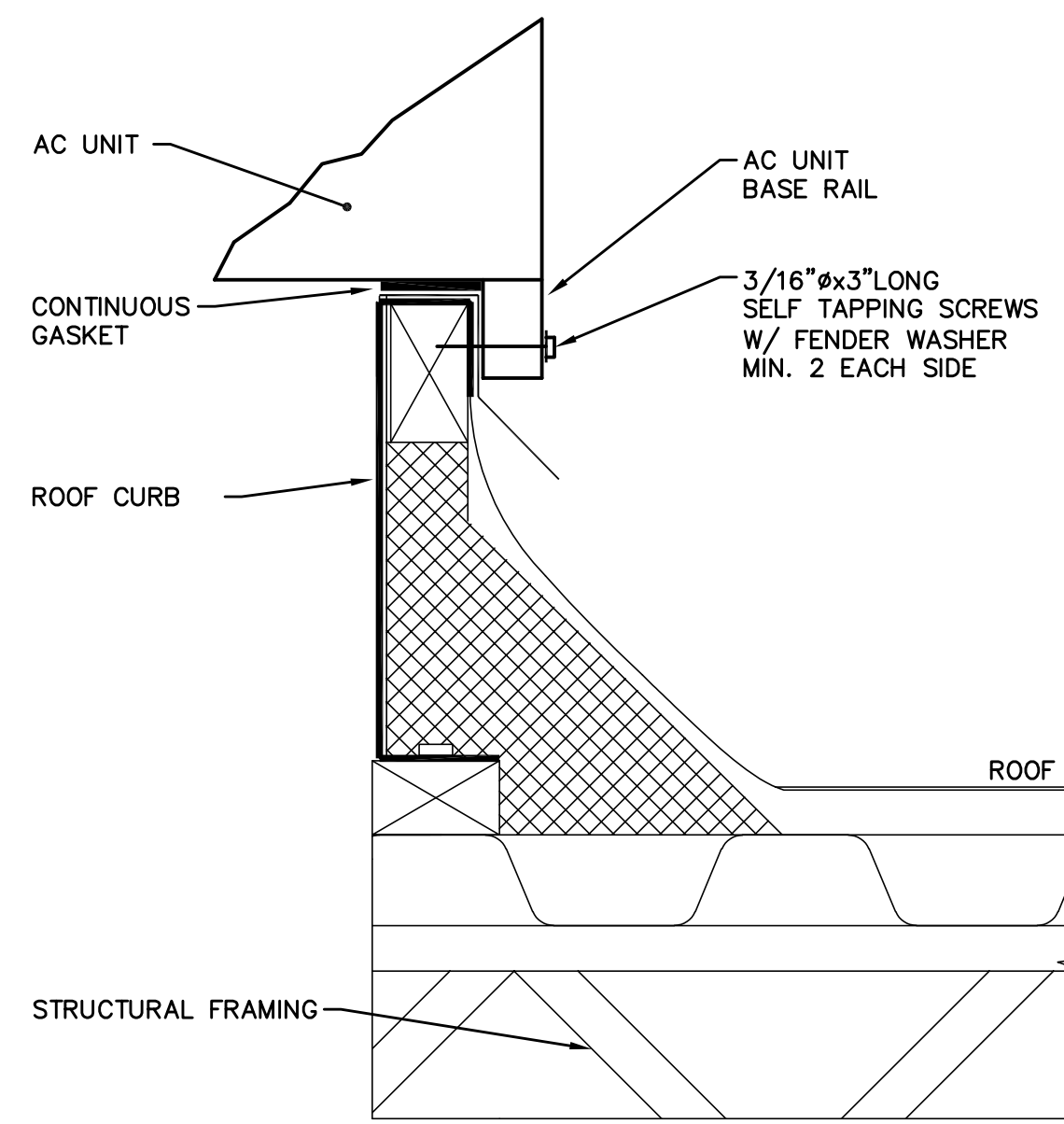
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Consulting Mechanical and Electrical Engineers  
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Ontario, Ca. 91764  
Ph: 909-987-0017  
Fax: 909-980-7023



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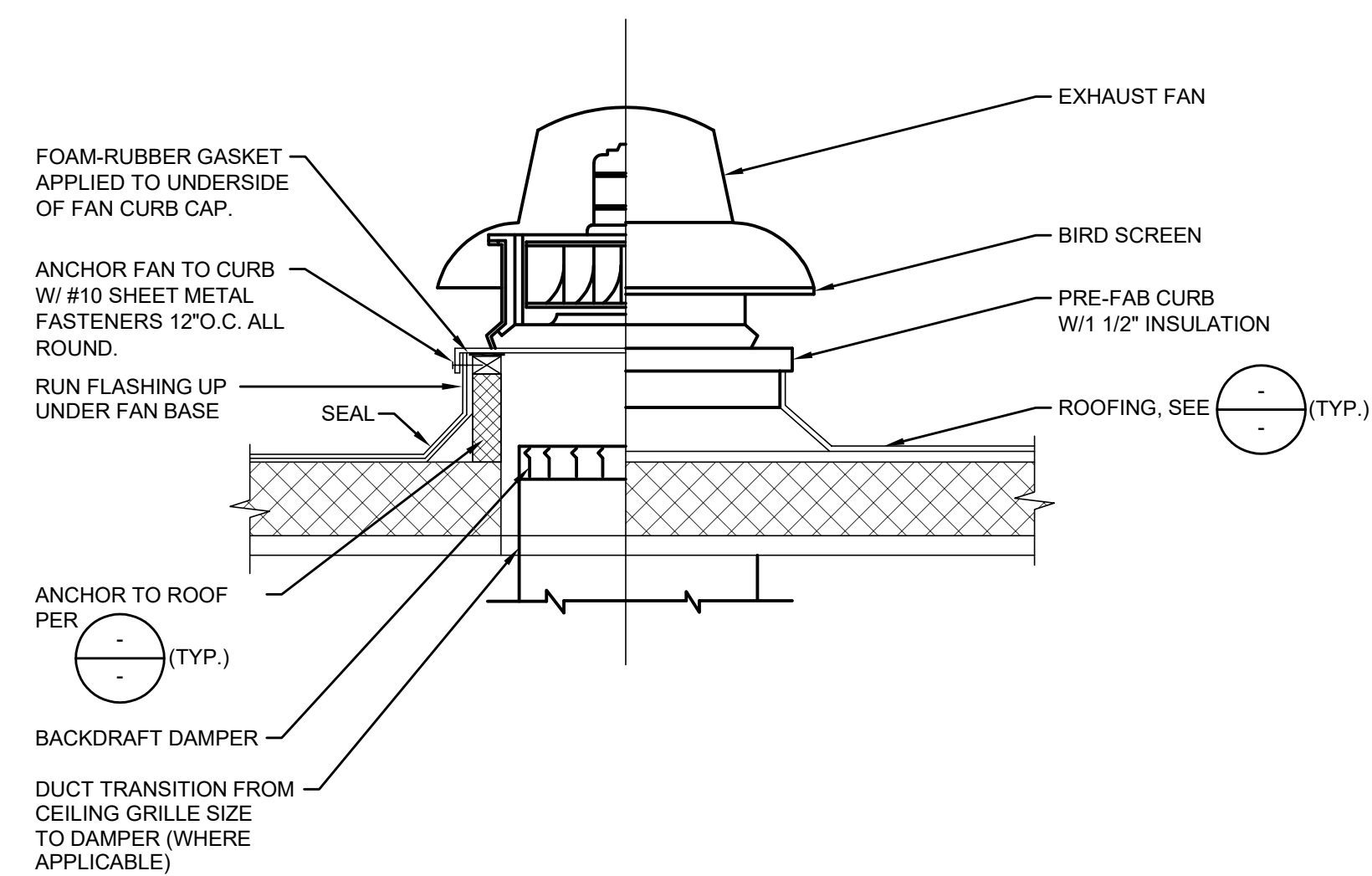
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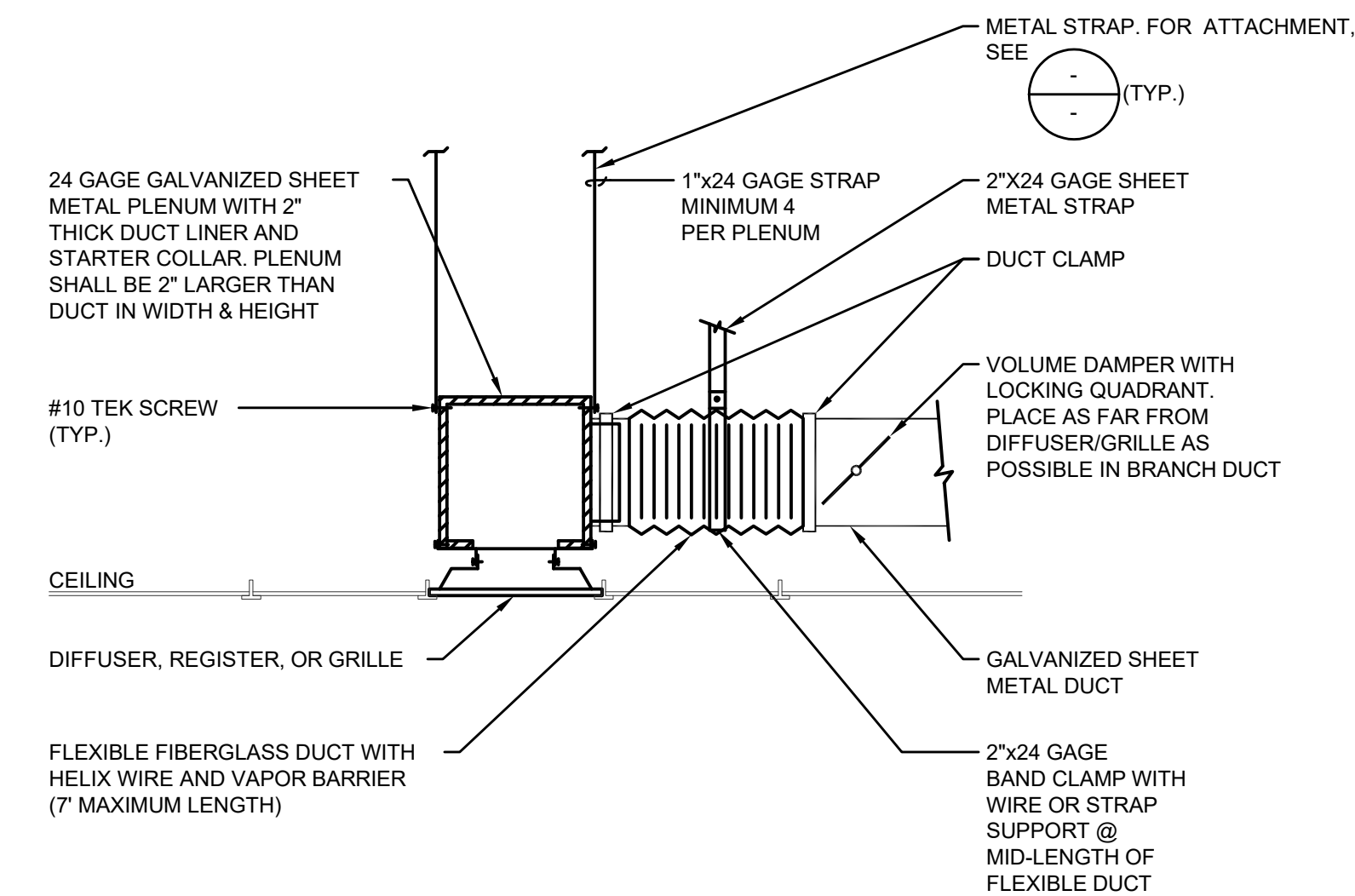
AC MOUNTING ON ROOF DETAIL

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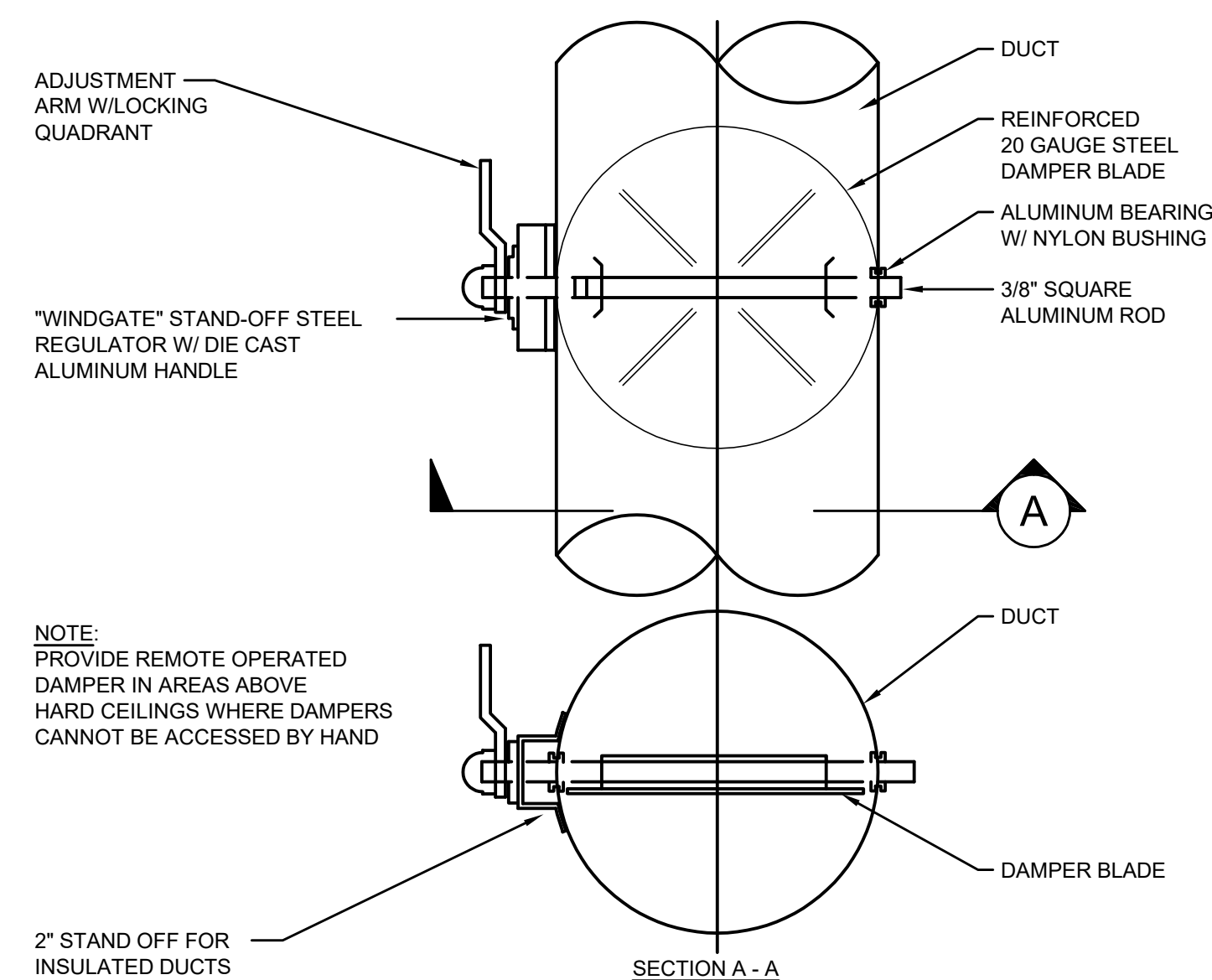
EXHAUST FAN MOUNTING DETAIL

SCALE  
NONE 2



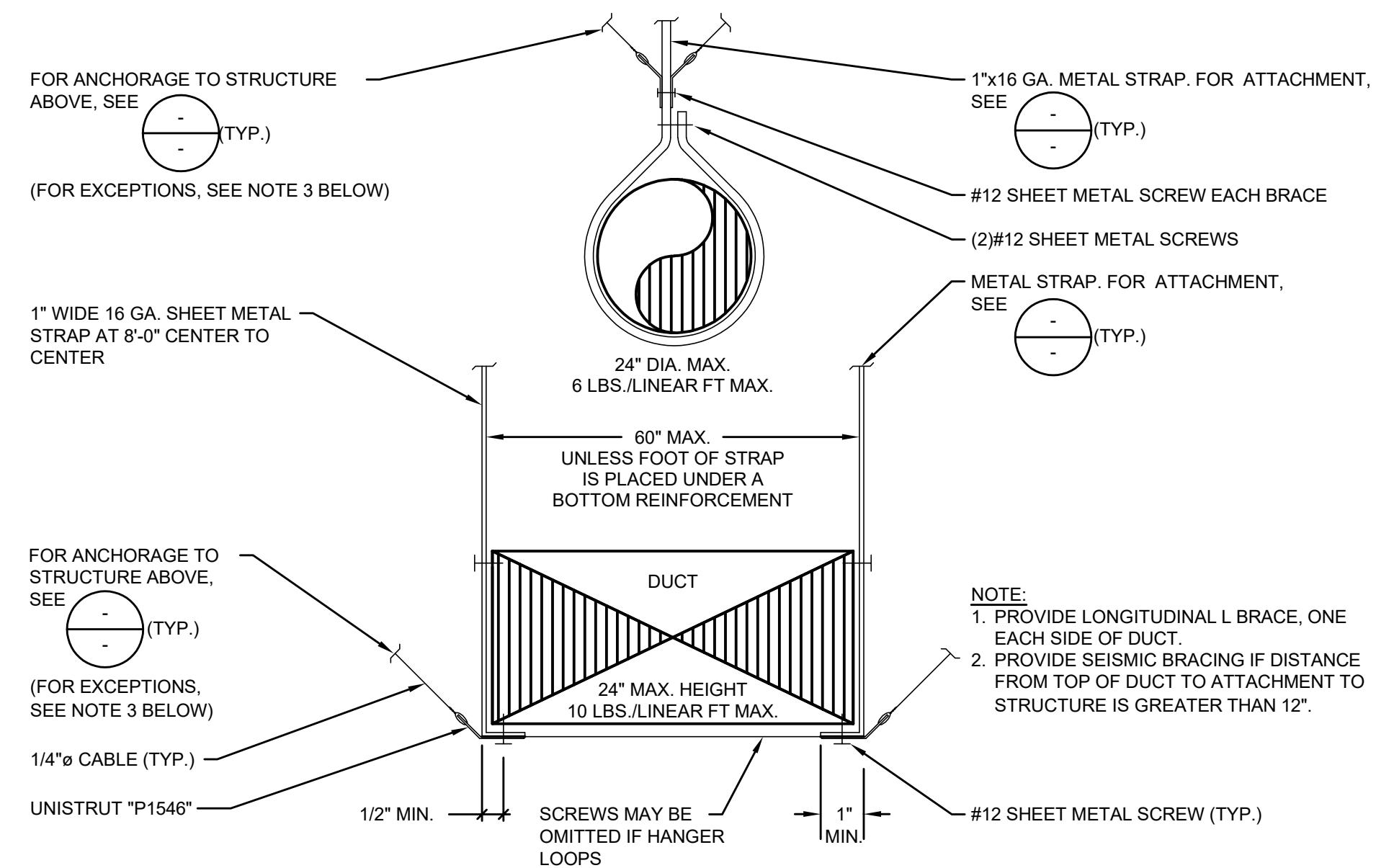
AIR DISTRIBUTION DETAIL DETAIL

SCALE  
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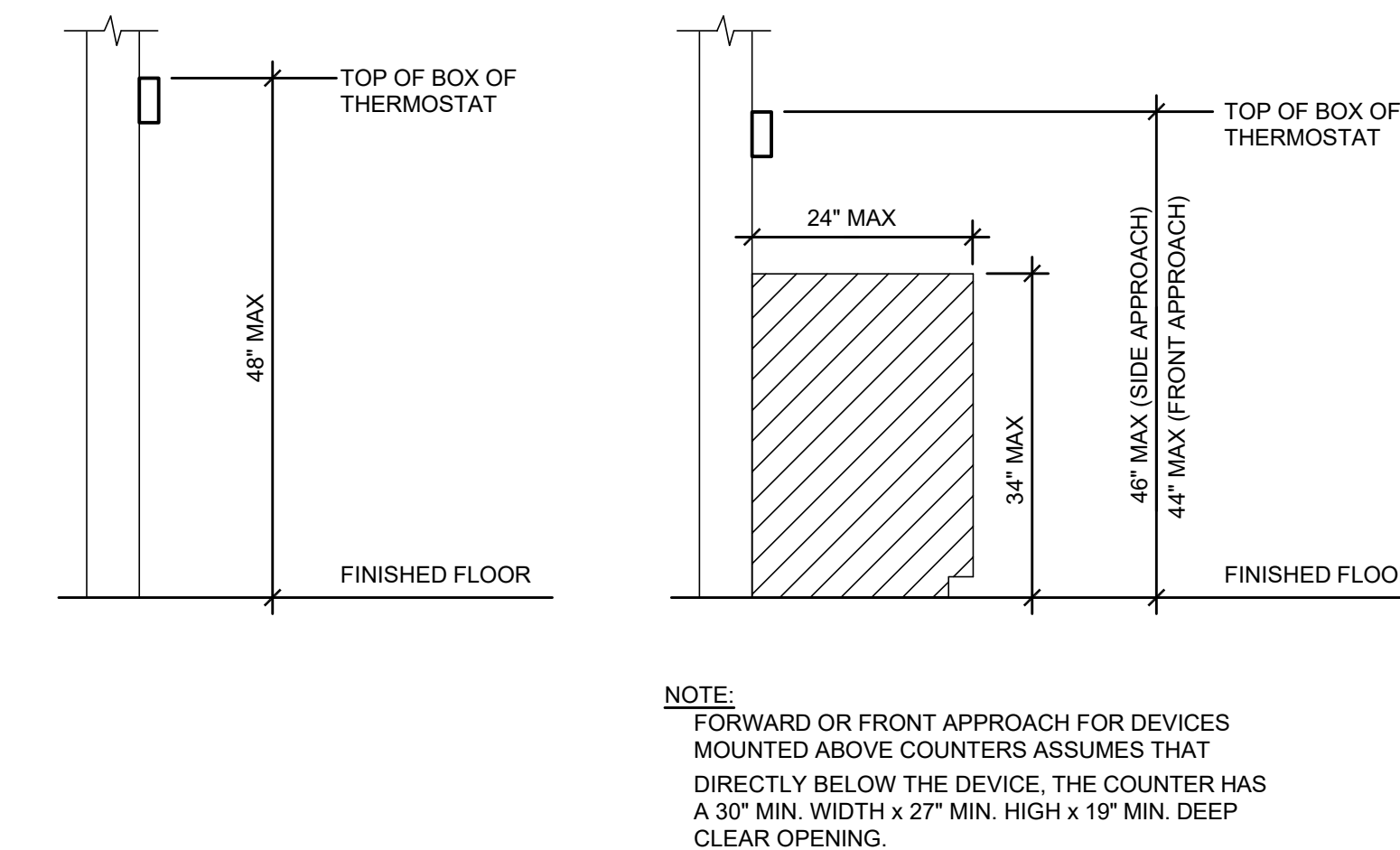
ROUND DUCT VOLUME DAMPER DETAIL

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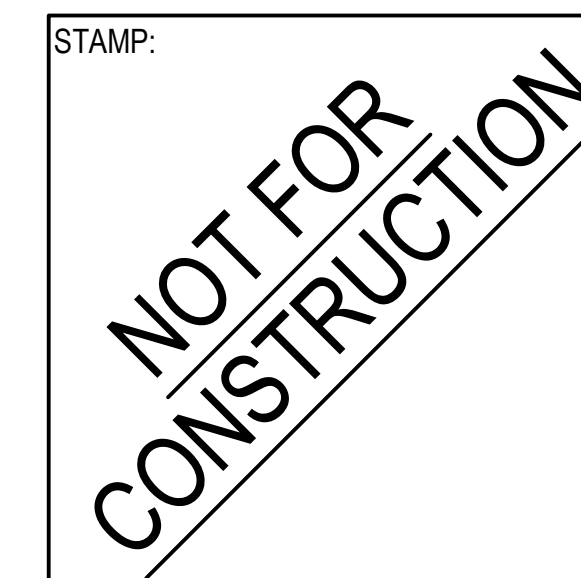
CONCEALED DUCT SUPPORT DETAIL

SCALE  
NONE 5



THERMOSTAT MOUNTING DETAIL

SCALE  
NONE 6



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PROJECT TITLE:

Altadena Main Library  
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DATE: Issue Date

SHEET TITLE:

MECHANICAL DETAILS

SCALE: N.T.S.



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Consulting Mechanical and Electrical Engineers

4750 E. Ontario Mills Pkwy  
Ontario, Ca 91764  
Ph: 909.387.0017  
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M003

SCALE  
NONE 7

SCALE  
NONE 8

SCALE  
NONE 9

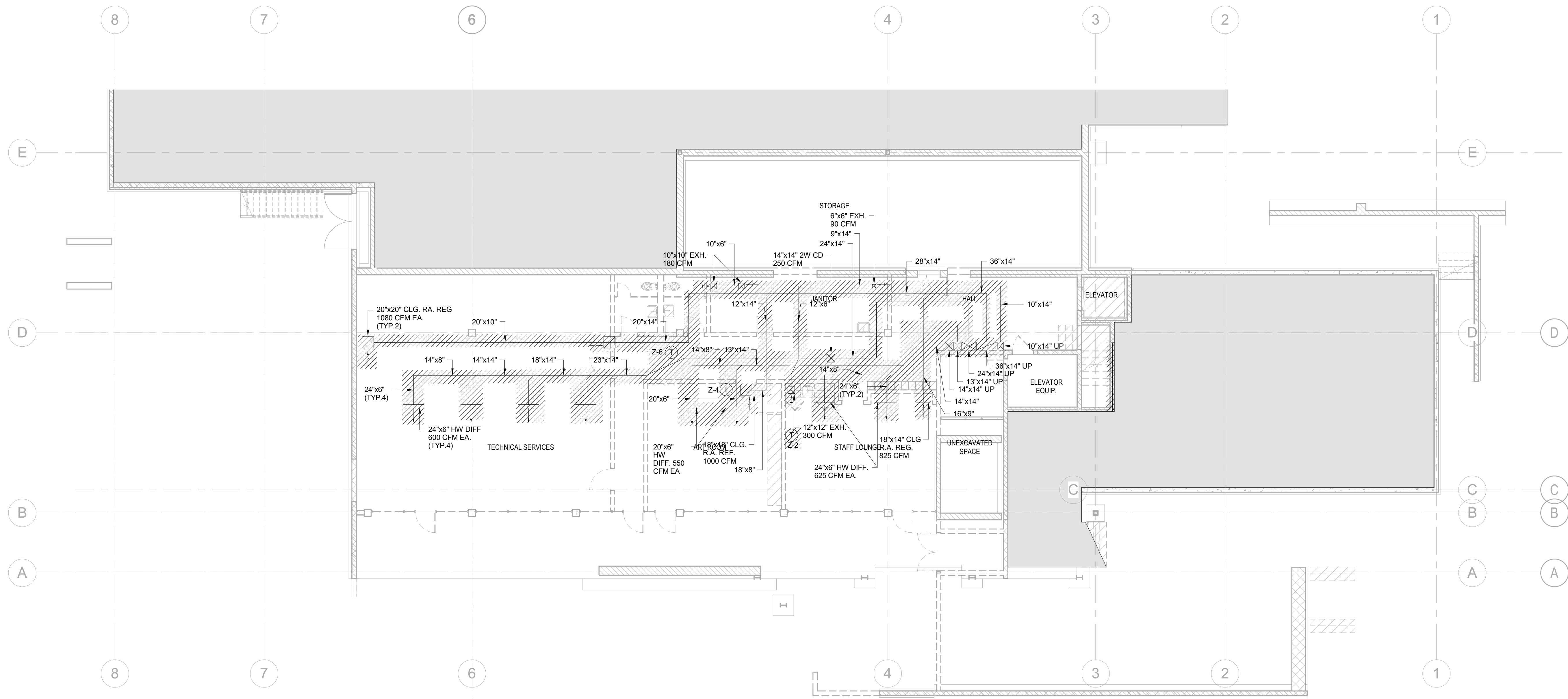




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1 LOWER LEVEL MECHANICAL DEMOLITION PLAN  
1/8" = 1'-0"

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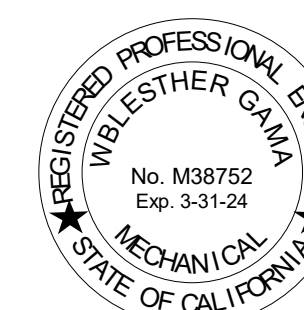
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**LOWER LEVEL MECHANICAL DEMOLITION PLAN**

SCALE: 1/8" = 1'-0"



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Consulting Mechanical and Electrical Engineers  
4750 E. Ontario Mills Pkwy  
Ontario, CA 91764  
Ph: 909.987.0017  
Fax: 909.980.7023

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M200

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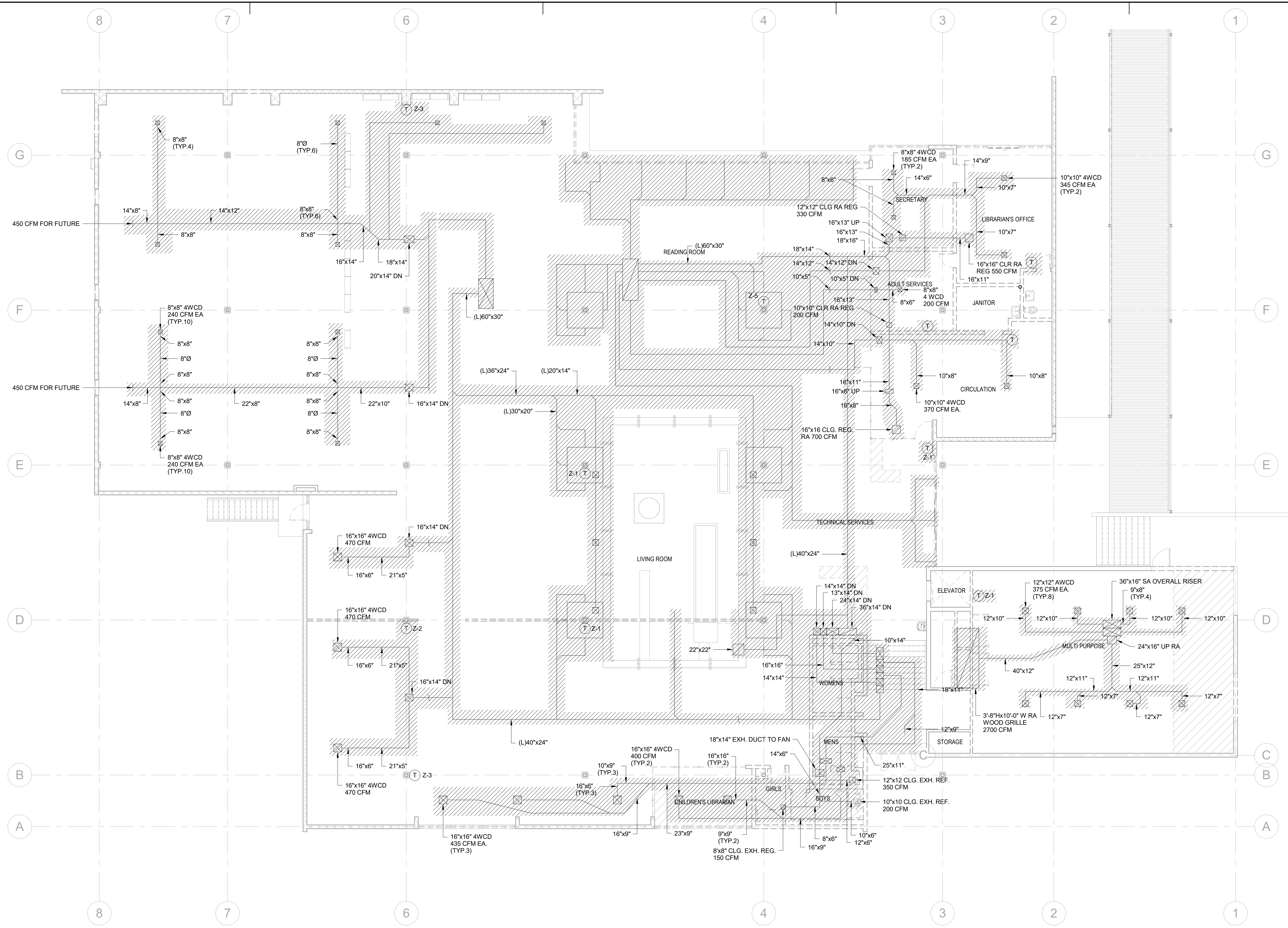
PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**MAIN LEVEL MECHANICAL DEMOLITION PLAN**

SCALE: 1/8" = 1'-0"

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M201



**1 MAIN LEVEL MECHANICAL DEMOLITION PLAN**  
1/8" = 1'-0"



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Consulting Mechanical and Electrical Engineers  
4750 E. Ontario Mills Pkwy  
Ontario, CA 91764  
Ph: 909.987.0017  
Fax: 909.980.7023

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PROJECT NO. 2111010

DATE: Issue Date

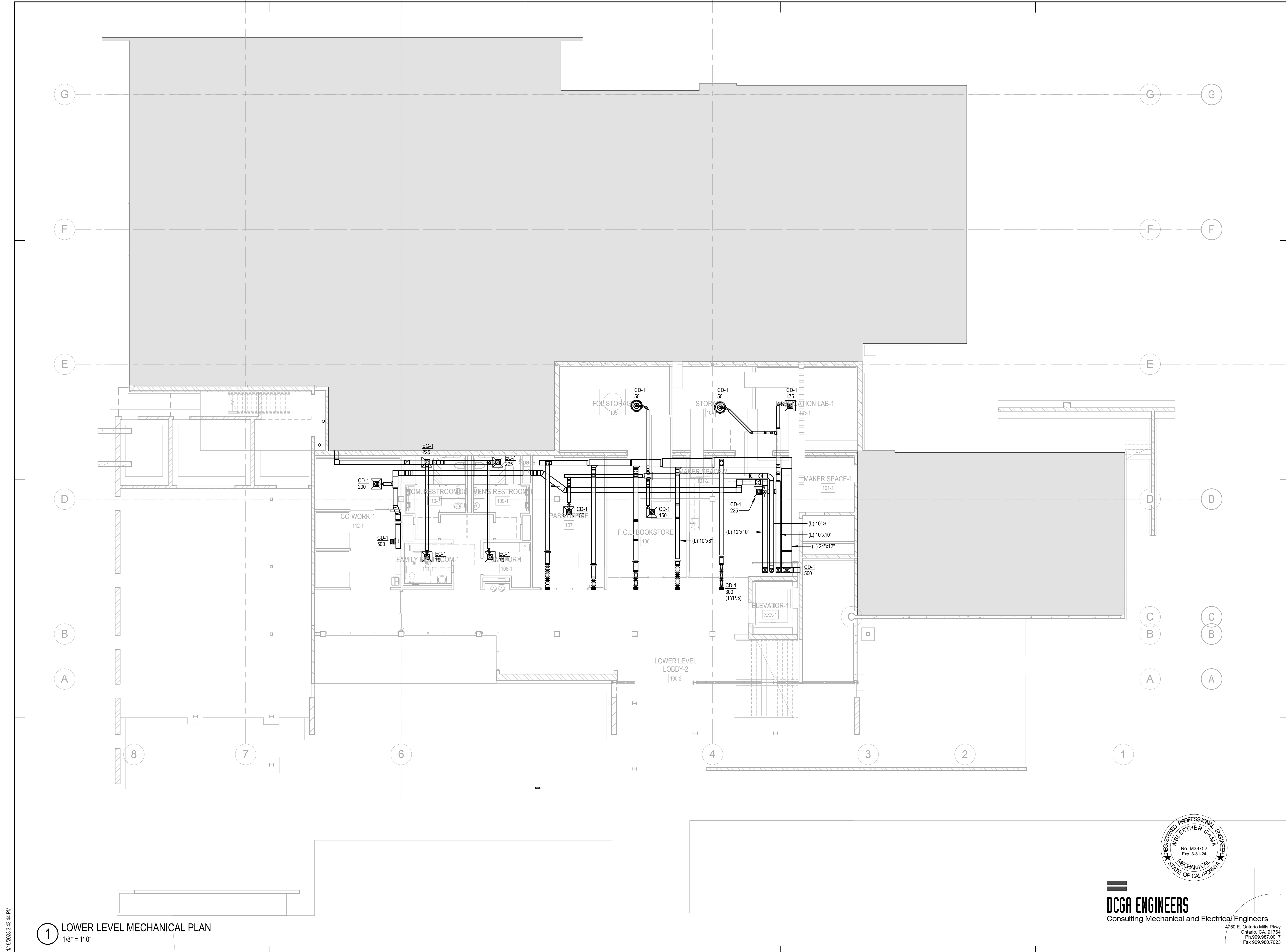
SHEET TITLE:

**LOWER LEVEL MECHANICAL PLAN**

SCALE: 1/8" = 1'-0"

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M202



**1 LOWER LEVEL MECHANICAL PLAN**  
1/8" = 1'-0"

11/15/2023 3:43:44 PM

**DCGA ENGINEERS**  
Consulting Mechanical and Electrical Engineers

REGISTERED PROFESSIONAL ENGINEER  
IN BLENTHESHER CALIFORNIA  
No. M38752  
Exp. 3-31-24  
MECHANICAL  
STATE OF CALIFORNIA

4750 E. Ontario Mills Pkwy  
Ontario, CA 91764  
Ph: 909.987.0017  
Fax: 909.980.7023

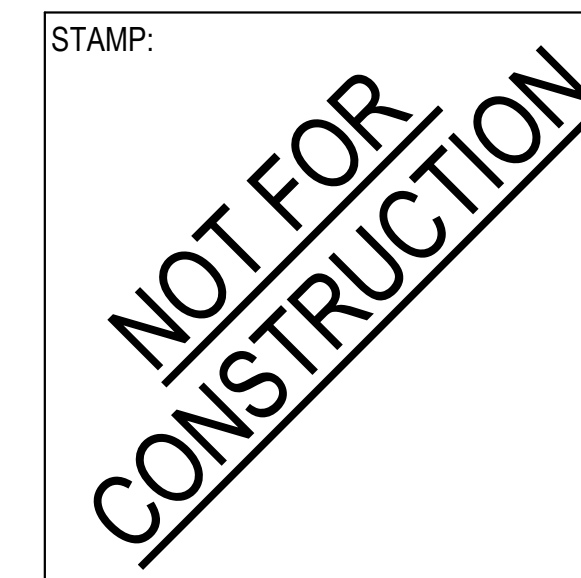
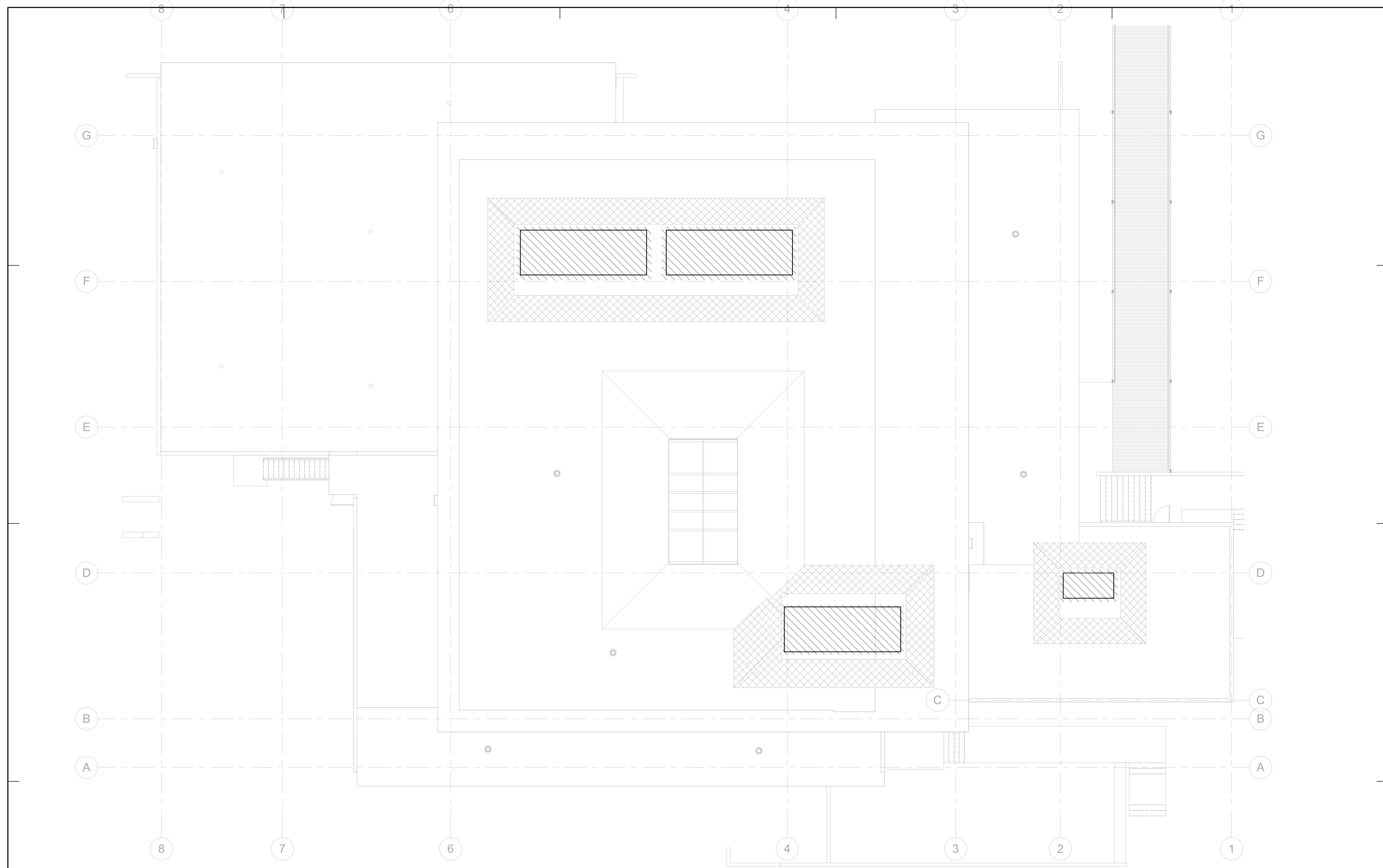




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PROJECT TITLE:

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600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

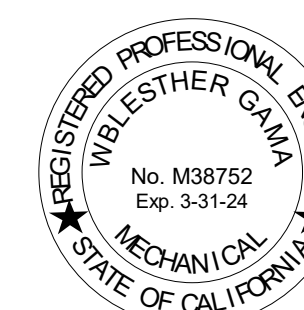
DATE: Issue Date

SHEET TITLE:

**MECHANICAL DEMOLITION ROOF PLAN**

SCALE: 1/8" = 1'-0"

**1** MECHANICAL DEMOLITION ROOF PLAN  
1/8" = 1'-0"



**DCGA ENGINEERS**  
Consulting Mechanical and Electrical Engineers

4750 E. Ontario Mills Pkwy  
Ontario, CA 91764  
Ph: 909.987.0017  
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M300

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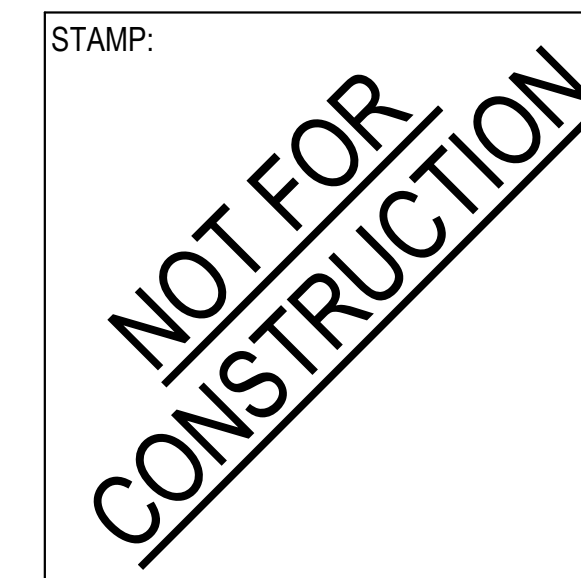




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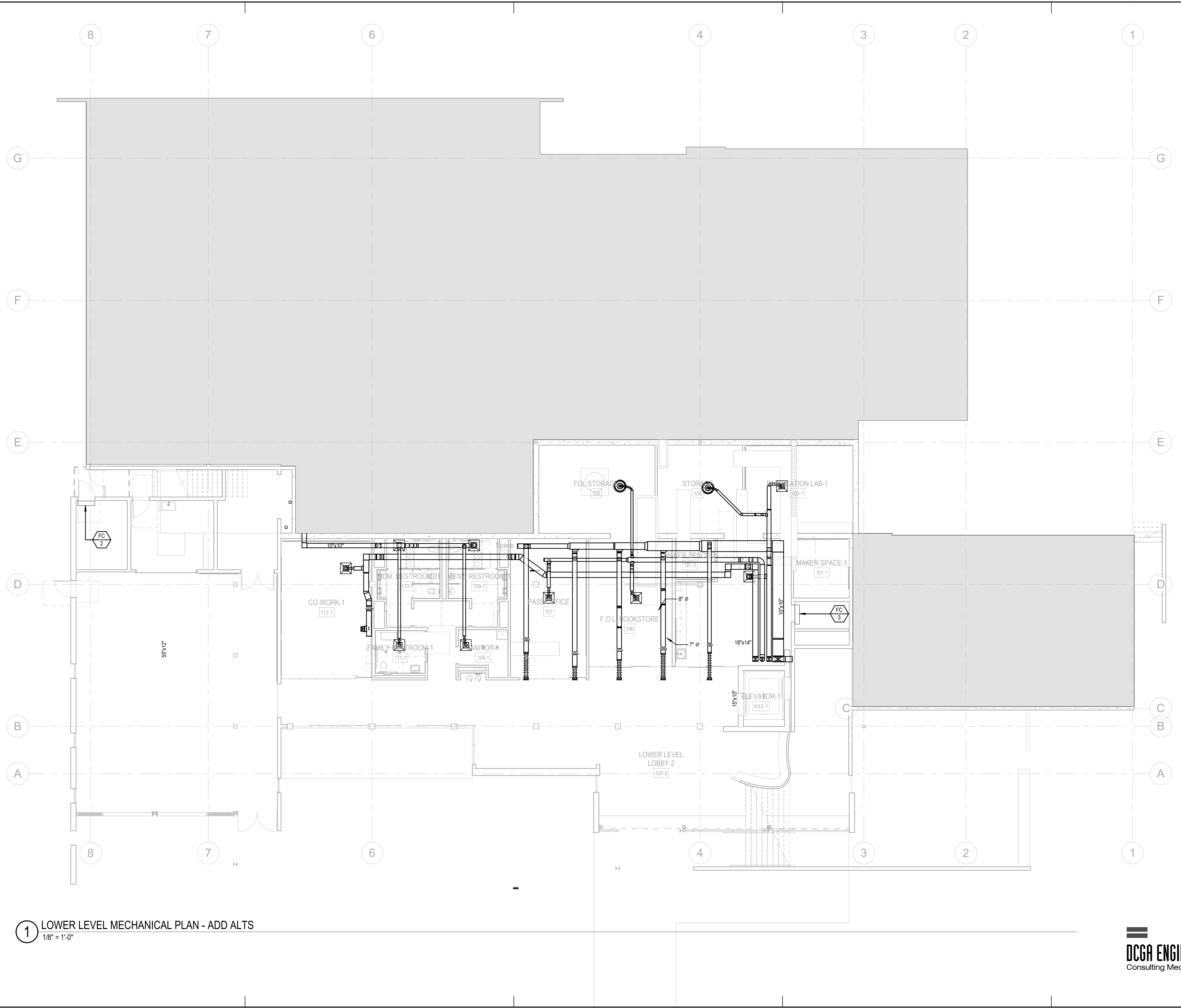
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LOWER LEVEL  
MECHANICAL PLAN -  
ADD ALTS

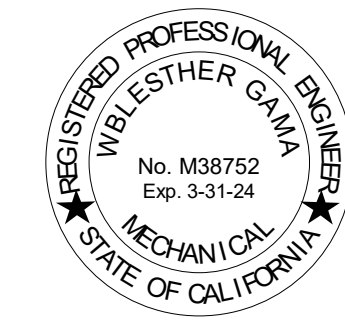
SCALE: 1/8" = 1'-0"

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MD201



1 LOWER LEVEL MECHANICAL PLAN - ADD ALTS  
1/8" = 1'-0"



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Consulting Mechanical and Electrical Engineers

4750 E. Ontario Mills Pkwy  
Ontario, CA, 91764  
Ph: 909.987.0017  
Fax: 909.980.7023

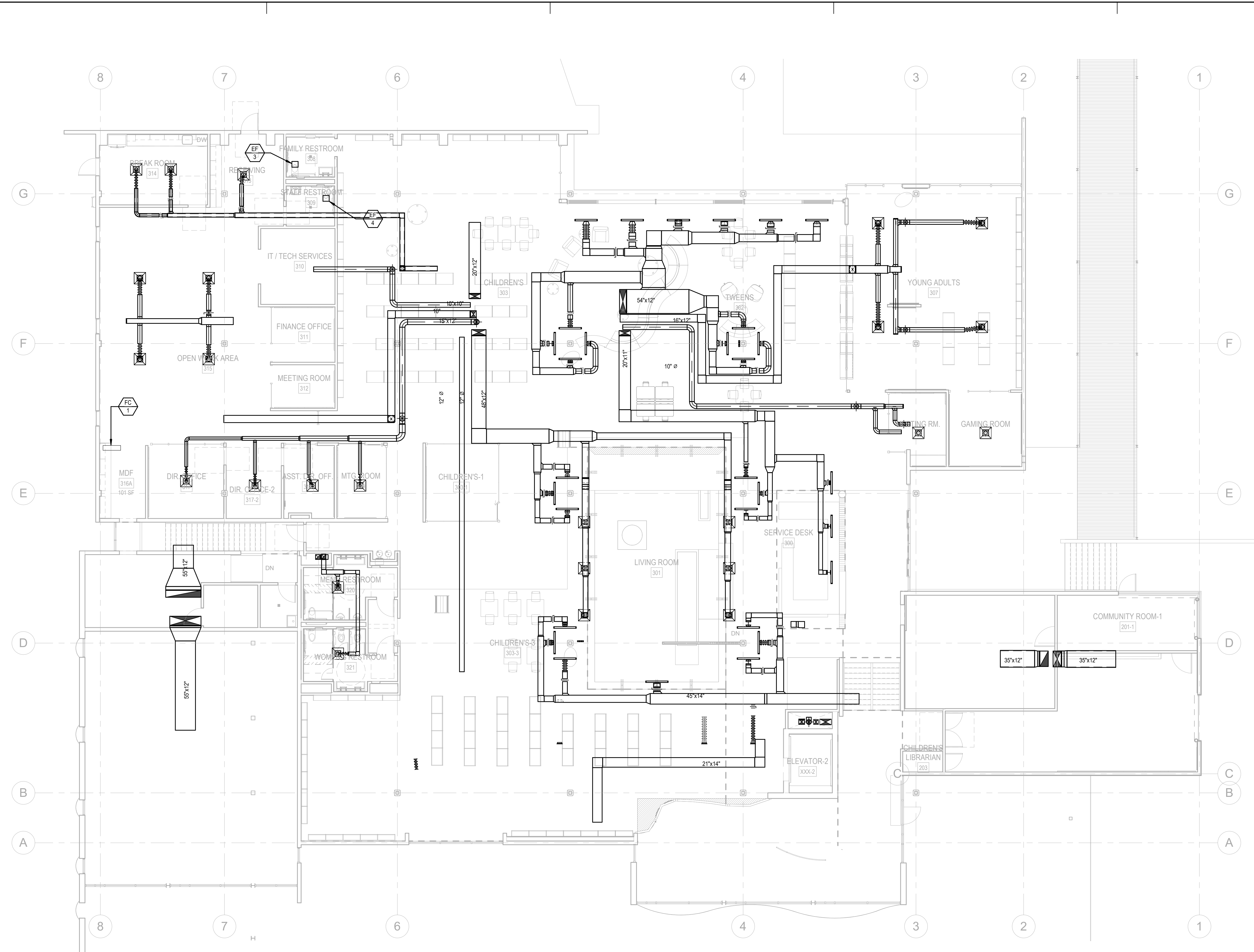
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PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**MAIN LEVEL MECHANICAL PLAN - ADD ALTS**

SCALE: 1/8" = 1'-0"

**1** MAIN LEVEL MECHANICAL PLAN - ADD ALTS  
1/8" = 1'-0"

**DCGA ENGINEERS**  
Consulting Mechanical and Electrical Engineers

REGISTERED PROFESSIONAL ENGINEER  
WBLESTHER GAMA  
No. M38752  
Exp. 3-31-24  
MECHANICAL  
STATE OF CALIFORNIA

4750 E. Ontario Mills Pkwy  
Ontario, CA. 91764  
Ph. 909.987.0017  
Fax 909.980.7023

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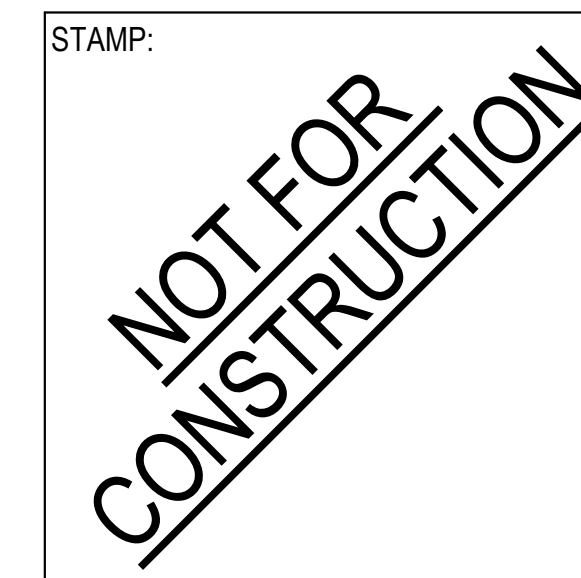




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PROJECT TITLE:

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PROJECT NO. 2111010

DATE: Issue Date

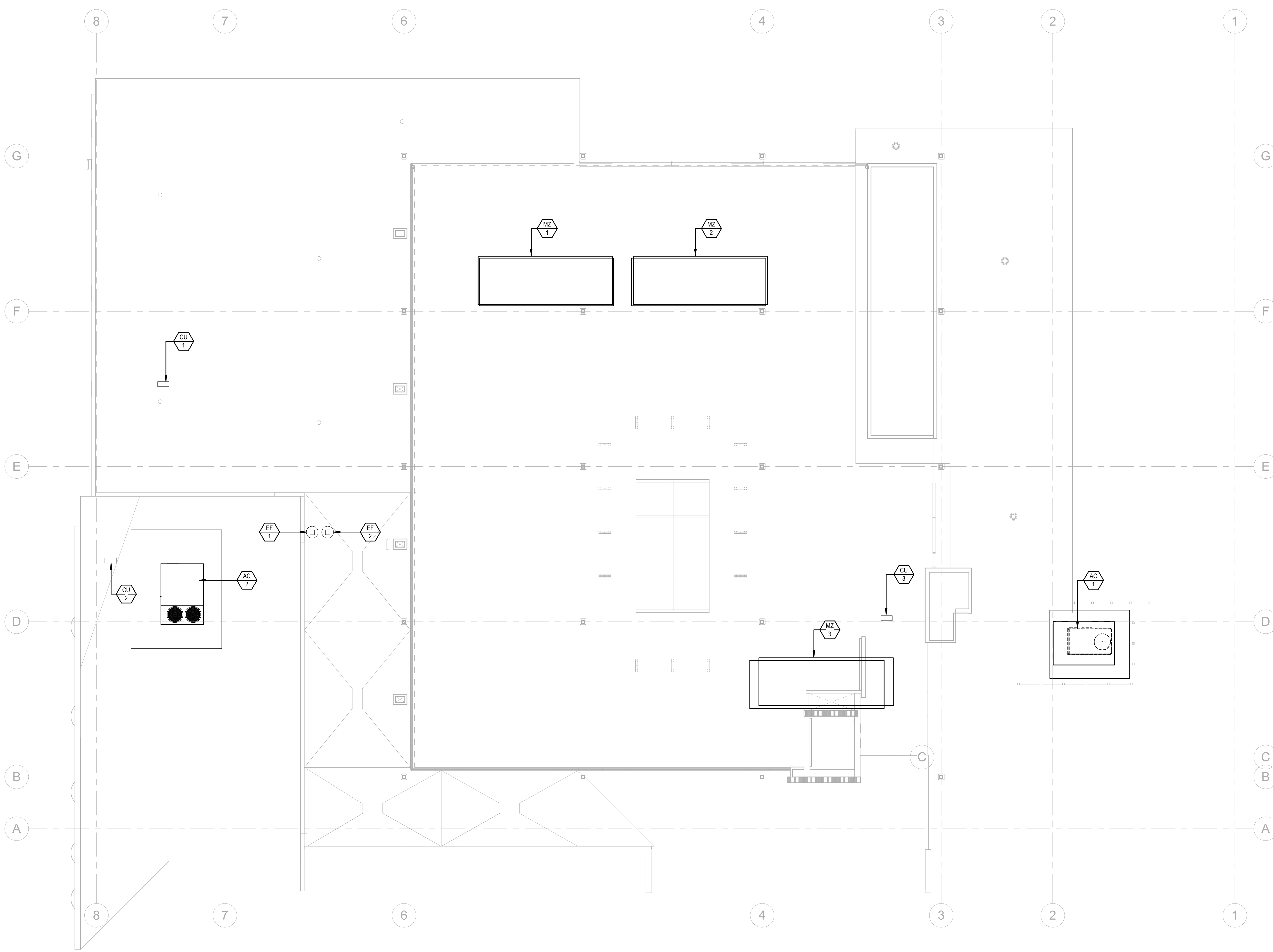
SHEET TITLE:

MECHANICAL ROOF  
PLAN - ADD ALTS

SCALE: 1/8" = 1'-0"

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MD301



1 MECHANICAL ROOF PLAN - ADD ALTS  
1/8" = 1'-0"



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Consulting Mechanical and Electrical Engineers

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Ph: 909.987.0017  
Fax: 909.980.7023

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PLUMBING SYMBOLS			
	REDUCED PRESSURE BACKFLOW PREVENTER (RPBFP)		FLOOR CLEANOUT IN YARDBOX
	FLOOR DRAIN, AREA DRAIN		CLEANOUT (CO)
	ROOF DRAIN, OVERFLOW DRAIN		PIPING RISE OR DROP
	FLOOR SINK		PIPING DOWN
	REDUCER		PIPING UP
	UNION		BRANCH CONNECTION
	FLEXIBLE CONNECTOR		BRANCH-BOTTOM CONNECTION
	STRAINER		DRAINAGE ABOVE GROUND
	WATER HAMMER ARRESTER BEHIND ACCESS PANEL		DRAINAGE BELOW GROUND
	TRAP PRIMER BEHIND ACCESS PANEL		SANITARY VENT
	PRESSURE GAUGE WITH PET COCK		DOMESTIC COLD WATER
	THERMOMETER		DOMESTIC HOT WATER
	TEMPERATURE/PRESSURE RELIEF VALVE & PRESSURE RELIEF VALVE		DOMESTIC HOT WATER RETURN
	AIR RELIEF VALVE		NATURAL GAS (LOW PRESSURE)
	CHECK VALVE		NATURAL GAS (MEDIUM PRESSURE)
	SHUT-OFF VALVE		STORM DRAINAGE ABOVE GROUND
	VALVE ON RISER		STORM DRAINAGE BELOW GROUND
	BALANCING VALVE		OVERFLOW DRAIN ABOVE GROUND
	VALVE IN YARD BOX		CONDENSATE DRAIN
	SOLENOID VALVE (ELECTRIC)		NON-POTABLE COLD WATER
	GAS COCK		DETAIL NUMBER
	HOSE BIBB		DETAIL DESIGNATION
	DIRECTION OF FLOW		DRAWING NUMBER
	PLUGGED OUTLET		EQUIPMENT DESCRIPTION
	PIPING BREAK		EQUIPMENT DESIGNATION
	SQUARE FEET (SQ FT)		EQUIPMENT
	FLOOR CLEANOUT		

- ### ADA COMPLIANCE NOTES
- COVER EXPOSED HOT & COLD WATER PIPING AND WASTE PIPING AT ALL LAVATORIES WITH NEATLY PRE-FORMED PIPE INSULATION, PLUMBEREX™ PRO-EXTREME MODEL X4333 OR X4444 OR APPROVED EQUIVALENT.
  - ALL PIPING UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
  - 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 THE 5 Lb. LEVER-OPERATED, PUSH TYPE AND ELECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
  - ACCESSIBLE PLUMBING FIXTURES SHALL COMPLY WITH ALL OF THE REQUIREMENTS OF CBC 2019-CHAPTER 11B-DIVISION 6, HEIGHTS AND LOCATION OF ALL FIXTURES SHALL BE ACCORDING TO CBC TABLE 11B-604.9. FIXTURE CONTROLS SHALL COMPLY WITH CHAPTER SECTION 11B-309.4.

- ### MATERIAL SCHEDULE
- BELOW GRADE WASTE, VENT, AND STORM DRAIN PIPING SHALL BE NO-HUB CAST IRON SOIL PIPE AND FITTINGS. HUB JOINTS PROHIBITED (BELL & SPIGOT).
  - ABOVE GRADE WASTE, VENT, AND STORM DRAIN PIPING SHALL BE NO-HUB CAST IRON SOIL PIPE AND FITTINGS.
  - ABOVE GRADE WATER AND CONDENSATE DRAIN PIPING SHALL BE TYPE "L" HARD DRAWN COPPER WATER TUBE WITH WROUGHT COPPER SOLDER JOINT FITTINGS.
  - BELOW GRADE WATER AND CONDENSATE DRAIN PIPING SHALL BE TYPE "K" HARD DRAWN COPPER WATER TUBE WITH WROUGHT COPPER SOLDER JOINT FITTINGS.
  - A/C CONDENSATE - TYPE "L" COPPER PIPE AND FITTINGS.

PLUMBING ABBREVIATIONS			
- A -	ABOVE	- I -	INDUSTRIAL COLD WATER
ABV	AIR CONDITIONING (HVAC)	IW	INDIRECT WASTE
ACC	ACCESSIBLE	IE	INVERT ELEVATION
AFF	ABOVE FINISH FLOOR	INT	INTEGRAL
AFSR	AUTOMATIC FIRE SPRINKLER RISER	- K -	KILOWATT
AP	ACCESS PANEL	LAV	LAVATORY
AV	ACID VENT	- L -	LAVATORY
AW	ACID WASTE	- M -	MEDIUM PRESSURE GAS MOUNTED
- B -	BEHIND	MPG	MEDIUM PRESSURE GAS MOUNTED
BEL	BELOW	MTD	MOUNTED
BTUH	BRITISH THERMAL UNITS PER HOUR	- N -	NOT TO SCALE
- C -	CONDENSATE DRAIN	NTS	NOT TO SCALE
CD	CUBIC FEET PER HOUR	NC	NORMALLY CLOSED
CFM	CUBIC FEET PER MINUTE	NO	NORMALLY OPEN
CLG	CEILING	- O -	ON CENTER
CO	CLEANOUT	OC	ON CENTER
CONT	CONTINUATION	OD	OVERFLOW DRAIN
COTG	CLEANOUT TO GRADE	- P -	PHASE
CU FT	CUBIC FEET	PO	PLUGGED OUTLET
CW	COLD WATER (DOMESTIC)	POC	POINT OF CONNECTION
- D -	DOWN	PSI	POUNDS PER SQUARE INCH
DN	DUPLEX	- Q -	QUANTITY
DPX	DROP	QTY	QUANTITY
DR	DOWN SPOUT	- R -	ROOF DRAIN
DS	DRAWING	RD	ROUGH-IN
DWG	DRAWING	RPM	REVOLUTIONS PER MINUTE
- E -	EXISTING	- S -	SANITARY SEWER
(E)	ELEVATION	SAN	STORM DRAIN
EL	EQUIPMENT	SD	SINK
EQUIP	EQUIPMENT	SK	SHUT-OFF VALVE
ESEW	EMERGENCY SHOWER EYE WASH	SOV	SHUT-OFF VALVE
EWC	ELECTRIC WATER COOLER	- T -	THERMOSTATIC MIXING VALVE
- F -	FIRE LINE	TMV	THERMOSTATIC MIXING VALVE
FCO	FLOOR CLEANOUT	TP	TRAP PRIMER
FD	FLOOR DRAIN	TPL	TRAP PRIMER LINE
FFE	FINISHED FLOOR ELEVATION	TYP	TYPICAL
FLR	FLOOR	TW	TEMPERED WATER
FT	FOOT, FEET	TWR	TEMPERED WATER RETURN
FU	FIXTURE UNIT	- U -	URINAL
FV	FLUSH VALVE	UR	URINAL
- G -	GAS (LOW PRESSURE)	- V -	VENT
G	GALLON	VERT	VERTICAL
GAL	GAS COCK	VTR	VENT THROUGH ROOF
GC	GALLONS PER FLUSH	VB	VACUUM BREAKER
GPF	GALLONS PER HOUR	- W -	WASTE
GPH	GALLONS PER HOUR	W	WITH
GPM	GALLONS PER MINUTE	WC	WATER CLOSET
GPR	GAS PRESSURE REGULATOR	WCO	WALL CLEANOUT
GWH	GAS WATER HEATER	WH	WALL HYDRANT
GW	GREASE WASTE	WHA	WATER HAMMER ARRESTOR
- H -	HOSE BIBB	- Y -	YARD BOX
HB	HORSEPOWER	YB	YARD BOX
HP	HOT WATER (DOMESTIC)		
HW	HOT WATER RETURN (DOMESTIC)		
HWR	HOT WATER RETURN (DOMESTIC)		

### PIPE AND DUCT SUPPORT NOTES

ALL BRACING OF DUCTS AND PIPING SHALL BE INSTALLED IN ACCORDANCE WITH "MASON" SEISMIC RESTRAINT GUIDELINES FOR SEISMIC RESTRAINT OF MECHANICAL SYSTEMS. OSHPD PRE-APPROVAL # OPM-0043-13.

WHERE ANCHORAGE & BRACING DETAILS ARE NOT SHOWN ON THE DRAWINGS OR IN THE GUIDELINES, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT, MECHANICAL ENGINEER AND THE INSPECTOR.

A COPY OF THE GUIDELINES PUBLISHED BY "MASON" SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON THE JOB SITE AT ALL TIMES.

- ### SEISMIC NOTES
- THE SEISMIC ANCHORAGE FOR ALL MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE DESIGNED TO WITHSTAND A LATERAL FORCE:
    - CALCULATED AS SPECIFIED IN SECTION 1613A OF THE VOL. 2, TITLE 24, 2019 CBC.
    - THE CAPACITY OF THE ANCHORAGE CONNECTORS IN SHEAR AND/OR TENSION SHALL BE CLEARLY INDICATED IN THE CALCULATIONS, WHICH INDICATE, ICBO REPORT NO. (IF APPLICABLE) THEIR TOTAL NUMBER, SIZE, GRADE, EMBEDMENT, EDGE DISTANCES, AND OTHER FACTORS WHICH AFFECT THE CAPACITY IN SHEAR AND TENSION.
    - ANCHORAGE DETAILS FOR EQUIPMENT WHICH ARE NOT APPROVED DURING PLAN REVIEW ARE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD AND PRIOR TO INSTALLATION AND INSPECTION BY THE PROJECT INSPECTOR.

### PLUMBING SHEET INDEX

SHEET NO.	DESCRIPTION
P001	PLUMBING GENERAL NOTES, ABBREVIATIONS & SYMBOLS
P002	PLUMBING SCHEDULES & DETAILS
P003	PLUMBING DETAILS
P200	LOWER LEVEL PLUMBING DEMOLITION PLAN
P201	MAIN LEVEL PLUMBING DEMOLITION PLAN
P202	LOWER LEVEL PLUMBING PLAN
P203	MAIN LEVEL PLUMBING PLAN
P300	PLUMBING DEMOLITION ROOF PLAN
P301	PLUMBING ROOF PLAN
PD201	LOWER LEVEL PLUMBING PLAN - ADD ALTS
PD202	MAIN LEVEL PLUMBING PLAN - ADD ALTS
PD301	PLUMBING ROOF PLAN - ADD ALTS

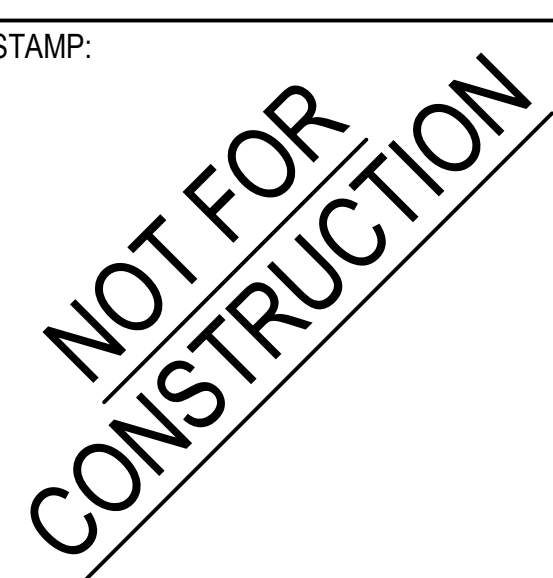
TOTAL SHEETS = 12

- ### GENERAL NOTES
- ALL WORK SHALL BE IN ACCORDANCE WITH THE 2022 CALIFORNIA PLUMBING CODES, CALIFORNIA STATE FIRE MARSHAL, CALIFORNIA OFFICE OF THE STATE ARCHITECT, AND CALIFORNIA ADMINISTRATIVE CODES, TITLES 17, 24 AND AUTHORITIES HAVING JURISDICTIONS.
  - CONTRACTOR SHALL VERIFY ALL UTILITIES LOCATION, SIZE AND ELEVATIONS WITH CIVIL ENGINEER'S DRAWINGS PRIOR TO START OF WORK.
  - CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES FOR CLEARANCES AND WORK INCLUDED PRIOR TO START OF WORK.
  - KEEP ALL PIPING CLEAR FROM LOAD BEARING FOOTINGS.
  - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS, MOUNTING HEIGHTS AND COLORS OF ALL PLUMBING FIXTURES.
  - ALL VENTS SHALL TERMINATE NOT LESS THAN 10 FEET FROM, OR NOT LESS THAN 3 FEET ABOVE, FRESH AIR INTAKES, WINDOWS, DOORS OR OTHER OPENINGS.
  - PROVIDE AND INSTALL ACCESS PANELS AT ALL LOCATION OF WATER HAMMER ARRESTORS. - PANELS TO 12 X 12 OR AS REQUIRED. FINISH SELECTED BY ARCHITECT.
  - CLEANOUTS SHALL BE INSTALLED PER CALIFORNIA PLUMBING CODE SECTION 707, 719 AND 803.
  - SLOPE OF BUILDING SEWERS SHALL NOT BE LESS THAN 2% UNLESS NOTED OTHERWISE.
  - ALL DOMESTIC HOT WATER PIPING SHALL BE INSULATED AS REQUIRED BY CALIFORNIA ENERGY COMMISSION TABLE 120.3-A OF THE BUILDING ENERGY EFFICIENCY STANDARDS. INSULATION SHALL HAVE A FIRE HAZARD CLASSIFICATION 25/50 COMPOSITE RATING.
- | PIPE SIZE | INSULATION THICKNESS | INSULATION VALUE |
|-----------|----------------------|------------------|
| < 1"      | 1"                   | K FACTOR = 0.25  |
| 1" <      | 1-1/2"               | K FACTOR = 0.25  |
- CIRCULATING HOT WATER SYSTEMS SHALL BE EQUIPPED WITH A CONTROL, CAPABLE OF AUTOMATICALLY TURNING OFF THE CIRCULATING PUMPS WHEN HOT WATER IS NOT REQUIRED (TIME CLOCK).
  - ALL SERVICE WATER HEATING EQUIPMENT TO BE IN COMPLIANCE WITH THE CALIFORNIA ENERGY COMMISSION (CEC) REQUIREMENTS AND BE SO LABELED.
  - COORDINATE WITH ELECTRICAL TRADE PRIOR TO ORDERING EQUIPMENT FOR AVAILABLE VOLTAGES AT EQUIPMENT LOCATIONS.
  - ALL HOSE BIBBS, WALL HYDRANTS AND JANITORIAL SERVICE SINKS SHALL BE EQUIPPED WITH APPROVED, PROPERLY INSTALLED ATMOSPHERIC TYPE VACUUM BREAKER.
  - ALL WATER CONNECTIONS TO HVAC EQUIPMENT SHALL BE PROTECTED BY APPROVED, REDUCED PRESSURE BACKFLOW PREVENTION DEVICES. DEVICES SHALL BE ACCESSIBLE FOR TEST AND MAINTENANCE. PROVIDE FUNNEL DRAIN AND INDIRECT WASTE PIPING FOR BACKFLOW DEVICES DISTANT FROM FLOOR SINKS.
  - NATURAL GAS LINES SHALL NOT BE LOCATED UNDER ANY STRUCTURE PER 2022 CPC, SECTION 1210.1.6
  - DO NOT USE METALLIC GAS LINES TO GROUND ELECTRICAL SYSTEM.
  - PROVIDE COATED 12 GAUGE COPPER WIRE ATTACHED TO POLYETHYLENE GAS YARD PIPING FOR TRACING PURPOSE. TERMINAL WIRES SHALL BE IDENTIFIED IN LABELED ACCESS BOXES.
  - FOR LOCATION OF PIPING SLEEVES AND FLOOR OPENINGS THROUGH STRUCTURAL FLOOR SLABS, REFER TO DETAILS INDICATED IN STRUCTURAL DRAWINGS.
  - CONTRACTOR SHALL PATCH AND REPAIR ALL SURFACE AREAS DAMAGED BY HIS OPERATION.
  - UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH THREADED TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
  - ANY DEVIATION FROM THE DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
  - UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL PLANS NO STRUCTURAL MEMBER SHALL BE CUT. NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.
  - FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZES AND LOCATION OF EQUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACTOR DOCUMENTS AND VERIFY THIS INFORMATION BEFORE ORDERING, FABRICATING OR INSTALLING OF ANY MATERIALS.
  - ALL INTERIOR CONDENSATE PIPING SHALL BE INSULATED WITH CLOSED CELL FOAM INSULATION WITH FIRE HAZARD CLASSIFICATION 25/50 COMPOSITE RATING.
  - CONTRACTOR SHALL PROVIDE AS-BUILTS, CAD GENERATED AND DRAWN TO THE SAME SCALE THAT CONSTRUCTION DRAWINGS INDICATE (I.E. ENLARGED PLANS @ 1/4"=1'-0") SUBMIT 6 SETS OF HARD COPIES AND 1 ELECTRONIC COPY ON CD-ROM. CAD DRAWINGS SHALL BE AUTOCAD LATEST VERSION. COORDINATE REQUIREMENTS WITH OWNER.
  - PROVIDE WRITTEN WARRANTY TO REPLACE ALL FAULTY MATERIALS AND/OR LABOR, AT NO COST TO OWNER, FOR A PERIOD OF ONE YEAR FROM DATE OF OWNERS ACCEPTANCE.



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San Jose, California 95113  
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PROJECT TITLE:  
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ALTADENA, CA 91001

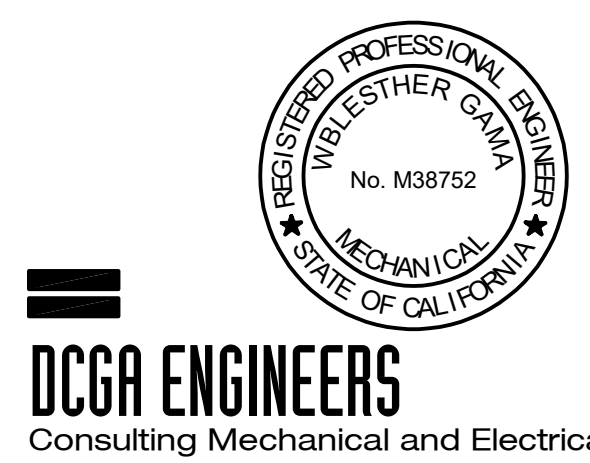
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PLUMBING GENERAL NOTES SYMBOLS AND ABBREVIATIONS

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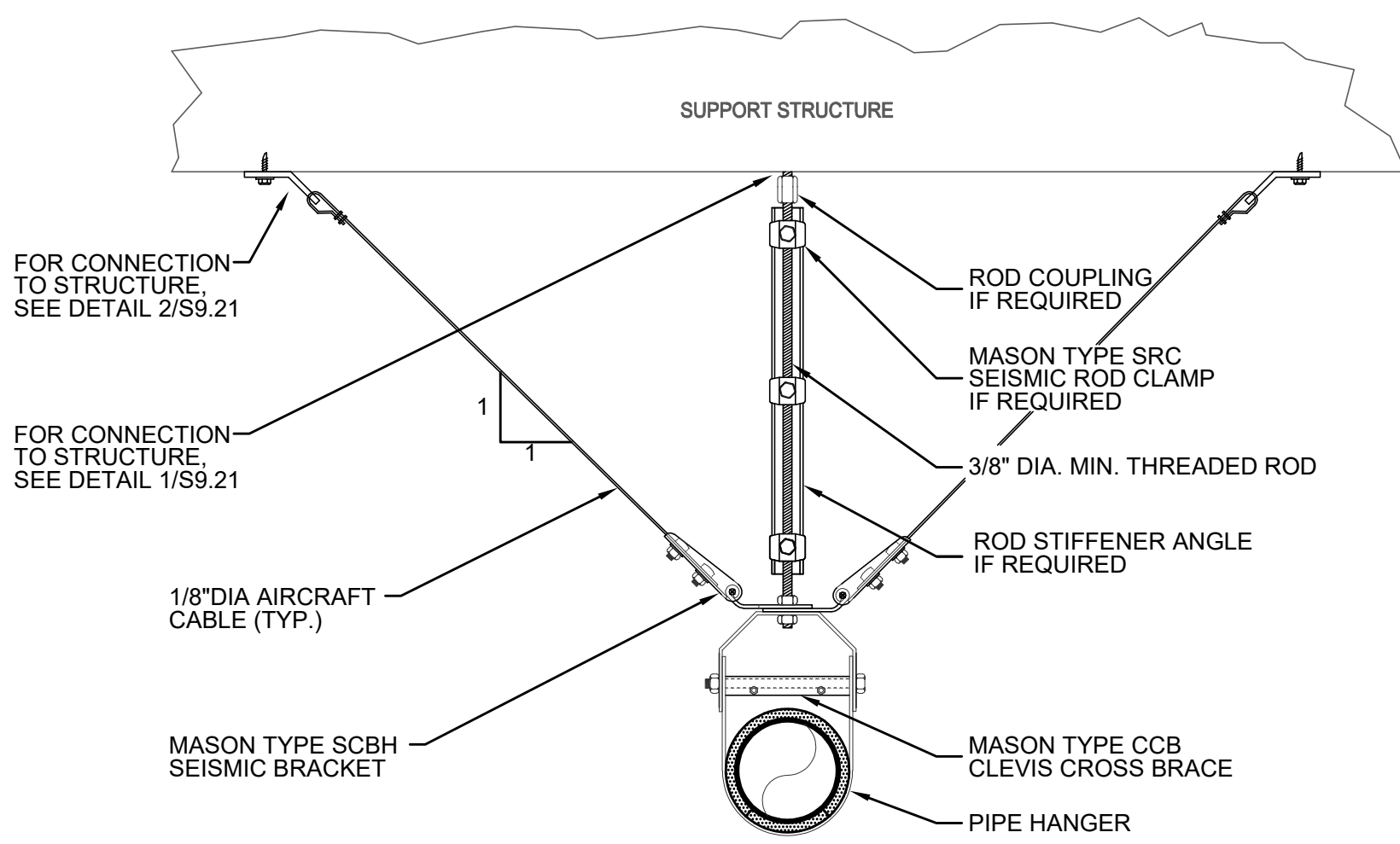
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P001



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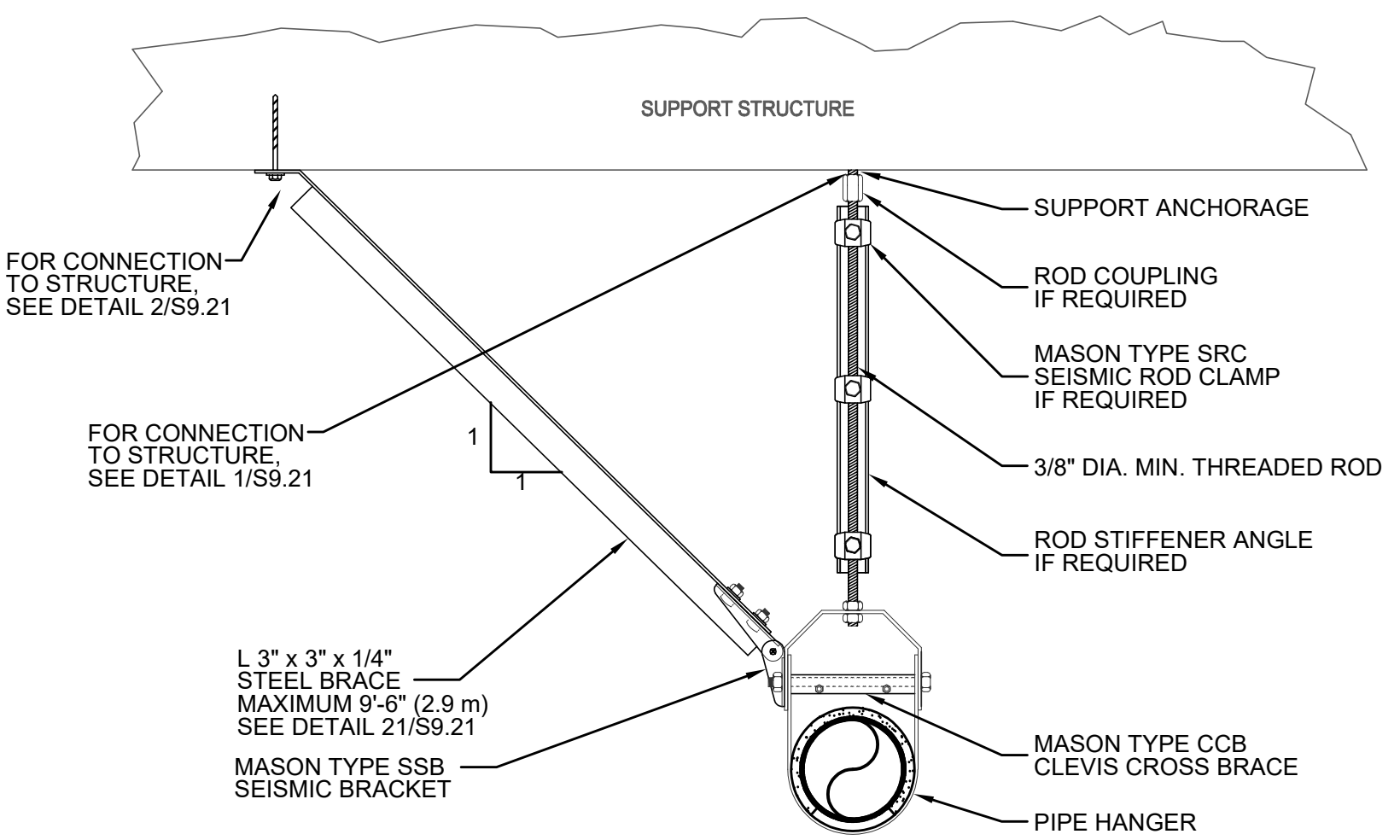
4750 E. Ontario Mills Pkwy  
Ontario, Ca. 91764  
Ph: 909.387.0017  
Fax: 909.380.7023



TRANSVERSE SEISMIC CABLE BRACE FOR SPRING-ISOLATED CLEVIS SUPPORTED PIPE

PIPE HANGER DETAIL

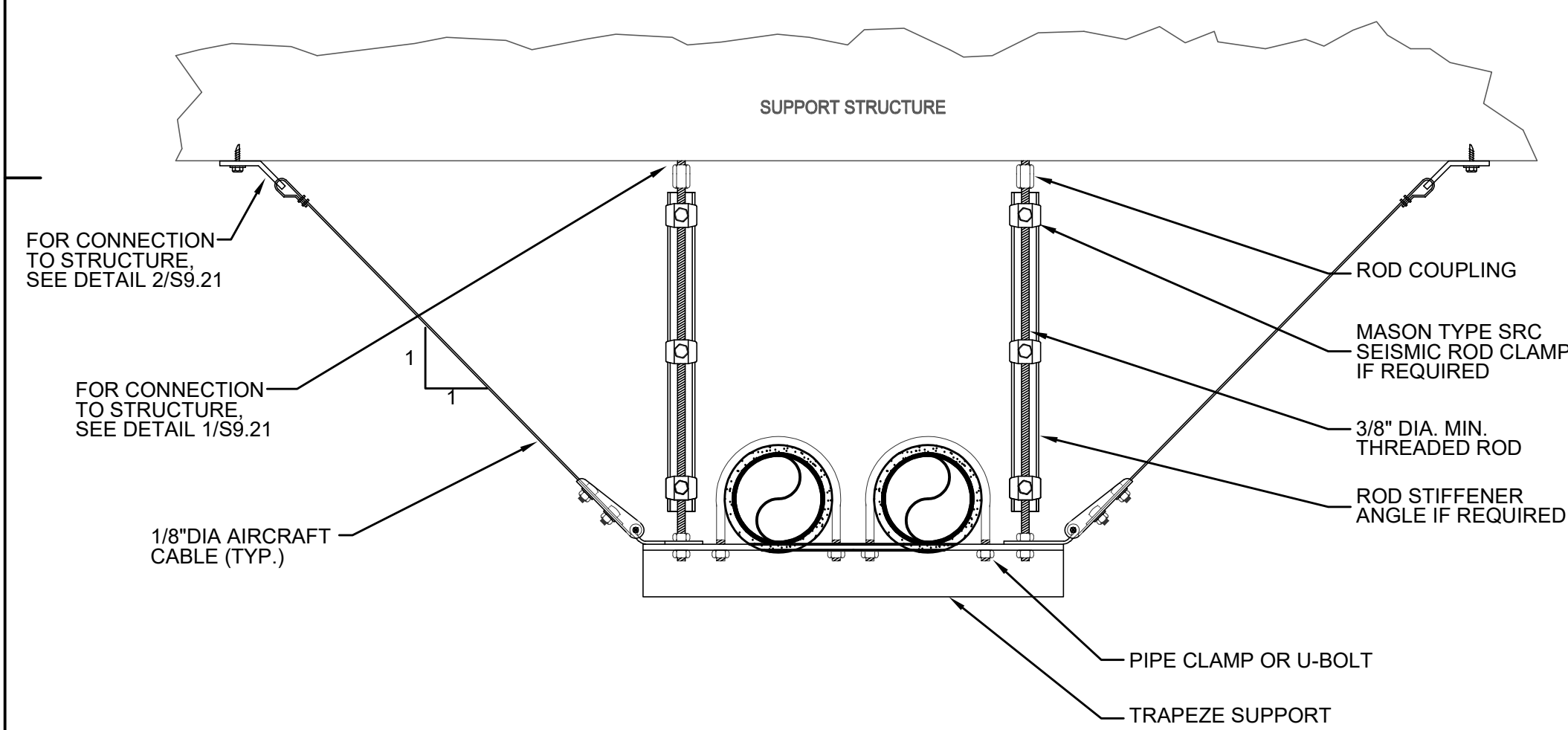
SCALE	1
NONE	



TRANSVERSE SEISMIC SOLID BRACE FOR CLEVIS SUPPORTED PIPE/CONDUIT

PIPE HANGER DETAIL

SCALE	2
NONE	



TRANSVERSE SEISMIC CABLE BRACE FOR TRAPEZE SUPPORTED PIPE/CONDUIT

PIPE HANGER DETAIL

SCALE	3
NONE	

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	ROUGH-IN-SIZE					FIXTURE UNIT		DESCRIPTION/REMARKS
		TRAP	S/W	V	CW	HW	WASTE	WATER	
WC-1	WATER CLOSET	INT	4"	2"	1 1/2"	-	4	5	AMERICAN STANDARD #2856.111 WALL MOUNTED, ELONGATED VITREOUS CHINA BOWL WITH SYPHON JET ACTION. PROVIDE WITH SLOAN #111 ESS-1 28-TMO-HW 24V, HARDWIRED, SENSOR OPERATED 1.28 GPF FLUSH VALVE, OLSONITE #95CT OPEN FRONT SEAT, AND ADJUSTABLE FIXTURE SUPPORT FOR WATER CLOSET.
WC-2	WATER CLOSET (ACC)	INT	4"	2"	1 1/2"	-	4	5	AMERICAN STANDARD #2856.111 WALL MOUNTED, ELONGATED VITREOUS CHINA BOWL WITH SYPHON JET ACTION. PROVIDE WITH SLOAN #111 ESS-1 28-TMO-HW 24V, HARDWIRED, SENSOR OPERATED 1.28 GPF FLUSH VALVE, OLSONITE #95CT OPEN FRONT SEAT, AND ADJUSTABLE FIXTURE SUPPORT FOR WATER CLOSET.
UR-1	URINAL	INT	2"	1 1/2"	3/4"	-	2	4	AMERICAN STANDARD #6590.001 "WASHBROOK" WALL HUNG, LOW CONSUMPTION WASHOUT FLUSH ACTION, VITREOUS CHINA BOWL. PROVIDE WITH SLOAN #166 ESS-0.125-TMO, HARDWIRED, SENSOR OPERATED 0.125 GPF FLUSH VALVE. PROVIDE ADJUSTABLE FIXTURE CARRIER WITH STEEL UPRIGHTS.
UR-2	URINAL (ACC)	INT	2"	1 1/2"	3/4"	-	2	4	AMERICAN STANDARD #6590.001 "WASHBROOK" WALL HUNG, LOW CONSUMPTION WASHOUT FLUSH ACTION, VITREOUS CHINA BOWL. PROVIDE WITH SLOAN #166 ESS-0.125-TMO, HARDWIRED, SENSOR OPERATED 0.125 GPF FLUSH VALVE. PROVIDE ADJUSTABLE FIXTURE CARRIER WITH STEEL UPRIGHTS.
LV-1	LAVATORY (ACC)	1 1/2"	2"	1 1/2"	3/4"	3/4"	1	1	
LV-2	LAVATORY (ACC)	1 1/2"	2"	1 1/2"	3/4"	3/4"	1	1	AMERICAN STANDARD, #0355.012 "LUCERNE" WALL HUNG VITREOUS CHINA BOWL W/4" CENTER, TOTO HELIX ECOPOWER #TEL113-D30E, DUAL TEMP MIXING FAUCET, 0.35 GPM AERATING FLOW CONTROL AND LOOSEKEY ANGLE STOPS. PROVIDE ADJUSTABLE FIXTURE CARRIER WITH STEEL UPRIGHTS.
LV-3	LAVATORY (ACC)	1 1/2"	2"	1 1/2"	3/4"	3/4"	1	1	BRADLEY #LVQD1, WALL HUNG WASH BASIN WITH WASH BAR WB1 TECHNOLOGY SINGLE PIECE CAST BASIN, CHROME PLATED CAST METAL WASH BAR INCLUDES TOUCH-FREE FAUCET, SOAP DISPENSER AND HAND DRYER. COMPLETE WITH SUPPORT BRACKET, CHROME PLATED STRAINER AND P-TRAP ASSEMBLY.
LV-4	LAVATORY (ACC)	1 1/2"	2"	1 1/2"	3/4"	3/4"	1	1	BRADLEY #LVQD2, WALL HUNG WASH BASIN WITH WASH BAR WB1 TECHNOLOGY SINGLE PIECE CAST BASIN, CHROME PLATED CAST METAL WASH BAR INCLUDES TOUCH-FREE FAUCET, SOAP DISPENSER AND HAND DRYER. COMPLETE WITH SUPPORT BRACKET, CHROME PLATED STRAINER AND P-TRAP ASSEMBLY.
S-1	SINK (ACC)	1 1/2"	2"	1 1/2"	3/4"	3/4"	2	2	JUST #US-ADA-1821-A, SINGLE COMP UNDERMOUNT, ADA SINK, 18 GA, TYPE 304 STAINLESS STEEL, CHICAGO #201-AGNBAE35-317AB DECK MOUNTED FAUCET (1.5 GPM) WITH LOOSE-KEY STOPS, OFFSET GRID STRAINER WITH BRAIDED STAINLESS STEEL SUPPLIES AND 17 GAUGE P-TRAP.
S-2	SINK (ACC)	1 1/2"	2"	1 1/2"	3/4"	3/4"	2	2	JUST #US-ADA-1830-A, DOUBLE COMP UNDERMOUNT, ADA SINK, 18 GA, TYPE 304 STAINLESS STEEL, CHICAGO #201-AGNBAE35-317AB DECK MOUNTED FAUCET (1.5 GPM) WITH LOOSE-KEY STOPS, OFFSET GRID STRAINER WITH BRAIDED STAINLESS STEEL SUPPLIES AND 17 GAUGE P-TRAP.
USK-1	UTILITY SINK	3"	3"	2"	3/4"	3/4"	3	2	JUST #US-122-T, SINGLE COMP WALL MOUNTED, ADA SINK, 18 GA, TYPE 304 STAINLESS STEEL, CHICAGO #201-AGNBAE35-317AB DECK MOUNTED FAUCET (1.5 GPM) WITH LOOSE-KEY STOPS, OFFSET GRID STRAINER WITH BRAIDED STAINLESS STEEL SUPPLIES AND 17 GAUGE P-TRAP.
MS-1	MOP/SERVICE SINK	3"	3"	2"	3/4"	3/4"	3	2	AMERICAN STANDARD #745.811, ACID RESISTANT ENAMELED CAST IRON, FLOOR MOUNTED WITH RIM GUARD, CHICAGO #897-CF MIXING FAUCET WITH ATMOSPHERIC VACUUM BREAKER, PAIL HOOK, WALL BRACE, MALE HOSE THREADED OUTLET.
DF-1	DRINKING FOUNTAIN (ACC)	1 1/2"	2"	1 1/2"	3/4"	-	5	5	JR SMITH #2005Y-A, HUBLESS CAST IRON BODY, 5" ROUND BRASS GRATE WITH VANDAL PROOF SCREWS, P-TRAP AND TRAP PRIMER CONNECTION.
FD-1	FLOOR DRAIN	2"	2"	1 1/2"	1/2"	-	-	-	JR SMITH #2694, LEAD-FREE BRASS CONSTRUCTION WITH SHUT-OFF VALVE, BEHIND ACCESS PANEL. 125 PSIG MIN. 3 PSI PRESSURE DROP ACTIVATION. (SIZE PER MANUFACTURERS RECOMMENDATIONS)
TP-1	TRAP PRIMER	-	-	-	1/2"	-	-	-	JR SMITH #2694, LEAD-FREE BRASS CONSTRUCTION WITH SHUT-OFF VALVE, BEHIND ACCESS PANEL. 125 PSIG MIN. 3 PSI PRESSURE DROP ACTIVATION. (SIZE PER MANUFACTURERS RECOMMENDATIONS)
WHA-1	WATER HAMMER ARRESTOR	-	-	-	-	-	-	-	JR SMITH "HYDROTROL" 5000 SERIES, BEHIND ACCESS PANEL. (SIZE IN ACCORDANCE WITH PDI STANDARDS)
CWC-1	COLD WATER CONNECTION	-	-	-	1/2"	-	-	-	
RD-1	ROOF DRAIN	-	-	-	-	-	-	-	J.R. SMITH #1010Y-RCU, CAST IRON BODY WITH DOME STRAINER AND OTTOM OUTLET.
OD-1	OVERFLOW DRAIN	-	-	-	-	-	-	-	J.R. SMITH #1080Y-RCU, CAST IRON BODY WITH DOME STRAINER, BOTTOM OUTLET WITH 2" HIGH DAM. PROVIDE WITH CONDUCTOR/DOWNSPOUT NOZZLE.

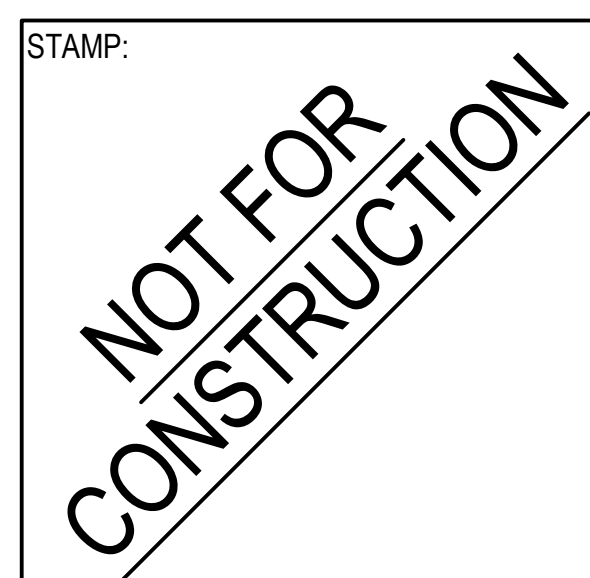
ELECTRIC WATER HEATER SCHEDULE

SYMBOL	LOCATION	MFR/ MODEL No.	STOR. (GAL.)	RECOV. @ 60°F RISE (GPH)	TANK SIZE DIA (IN)	HT (IN)	TEMP IN (F°)	TEMP OUT (F°)	ELECTRICAL DATA KW	VOLT	PH	OPER. WEIGHT (LBS)	REMARKS
	UNDER SINK MTD.	CHRONOMITE MODEL M-20L/208	-	-	-	-	60	117	4.16	208	1	7	WALL MOUNT UNDER SINK. CIRCUIT WITH DISCONNECT. SEE DETAIL...
	UNDER SINK MTD.	CHRONOMITE MODEL M-30L/208	-	-	-	-	60	103	6.24	208	1	7	WALL MOUNT UNDER SINK. CIRCUIT WITH DISCONNECT. SEE DETAIL...



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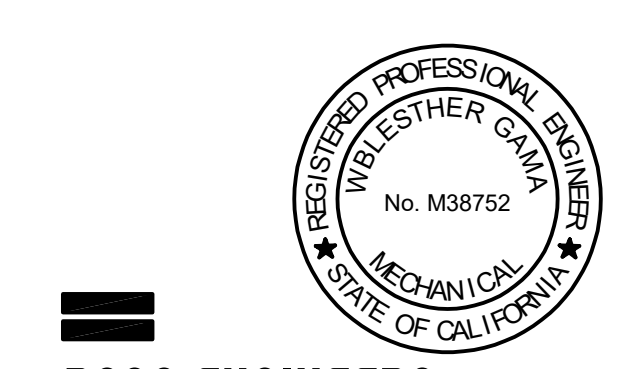
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PLUMBING SCHEDULES & DETAILS

SCALE: N.T.S.

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4750 E. Ontario Mills Pkwy  
Ontario, Ca. 91764  
Ph: 909.387.0017  
Fax: 909.380.7023

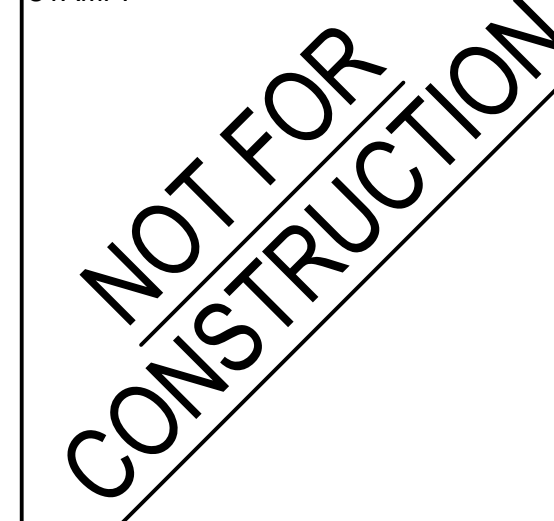


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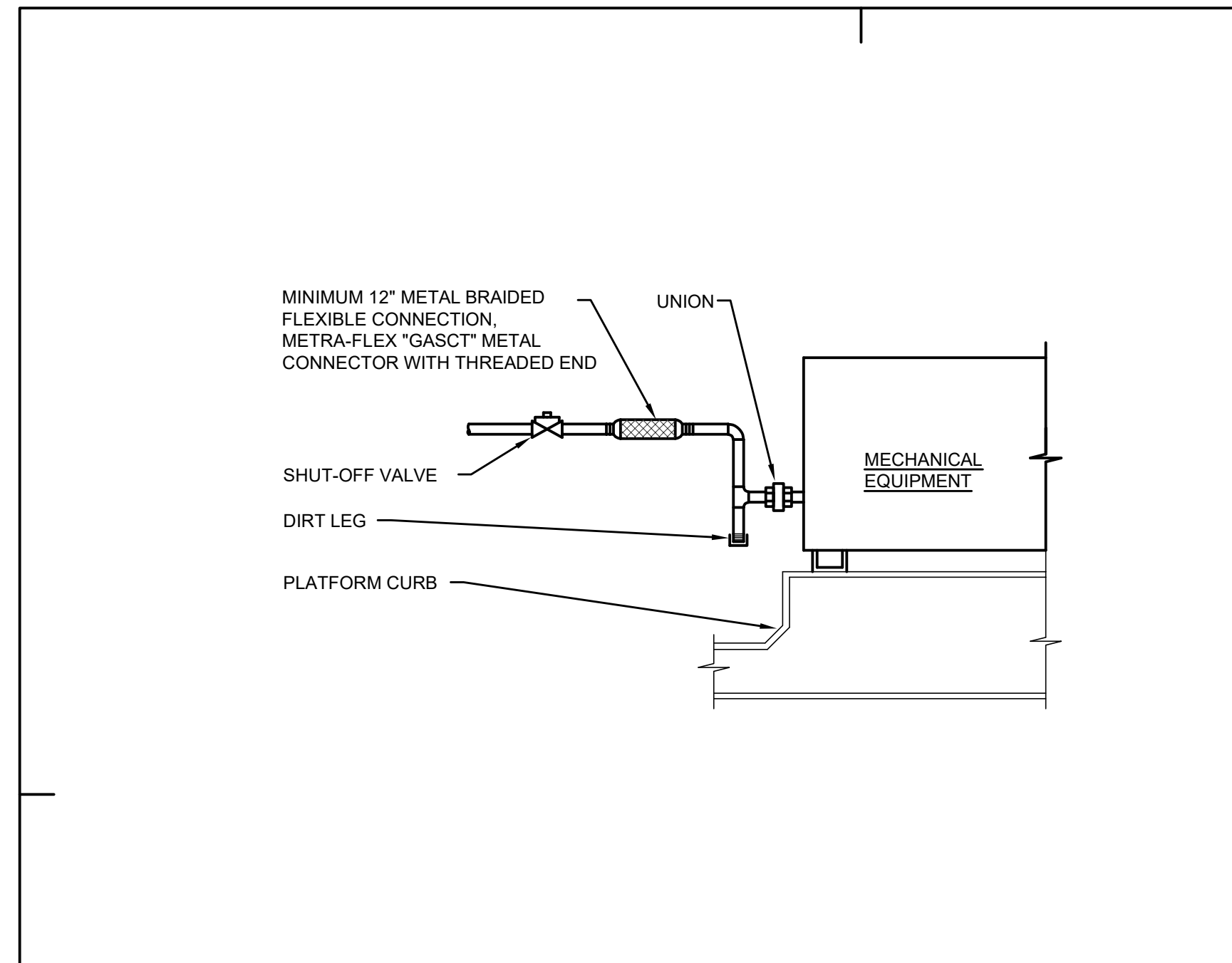
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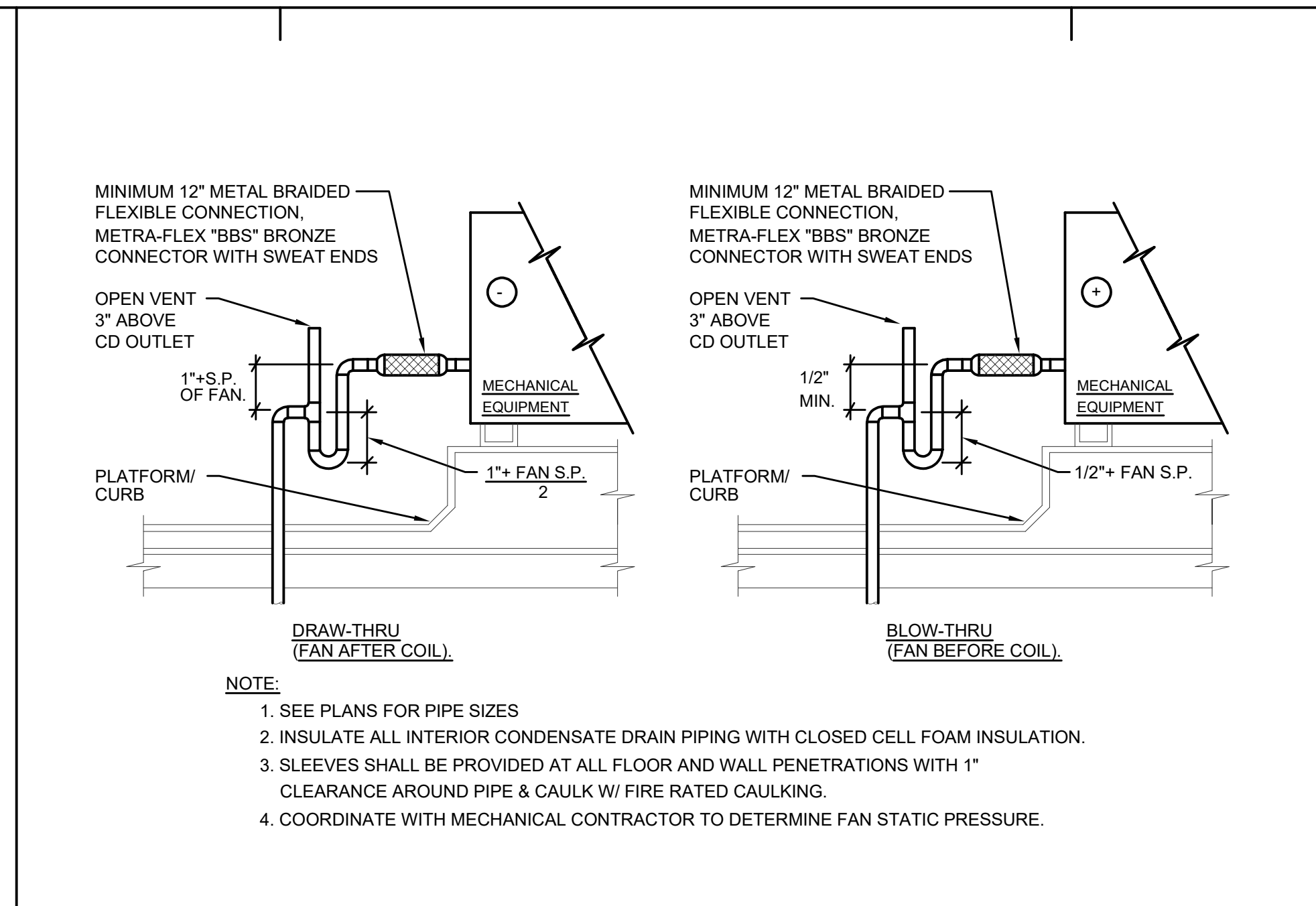
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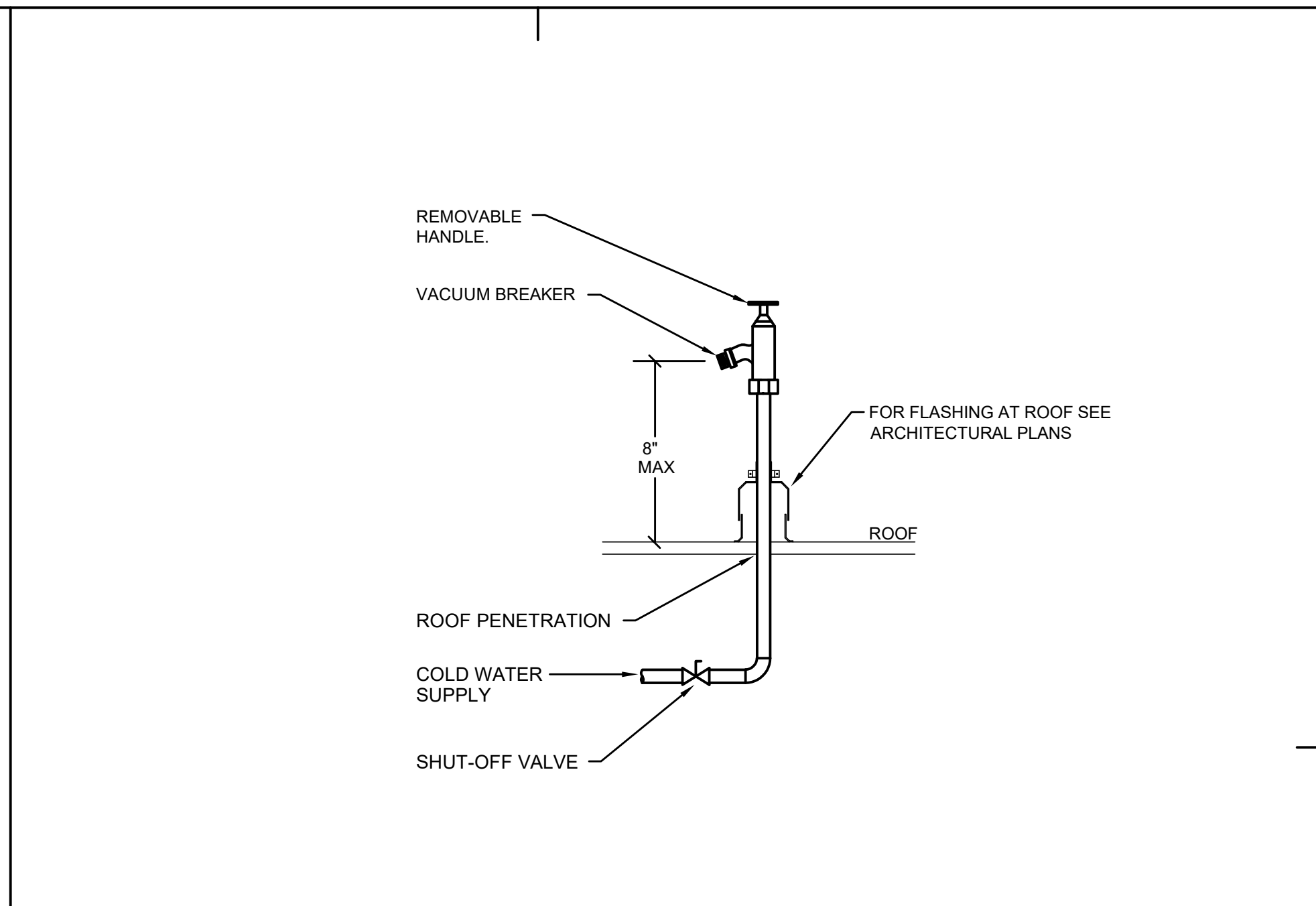
GAS CONNECTION TO HVAC EQUIPMENT DETAIL

SCALE  
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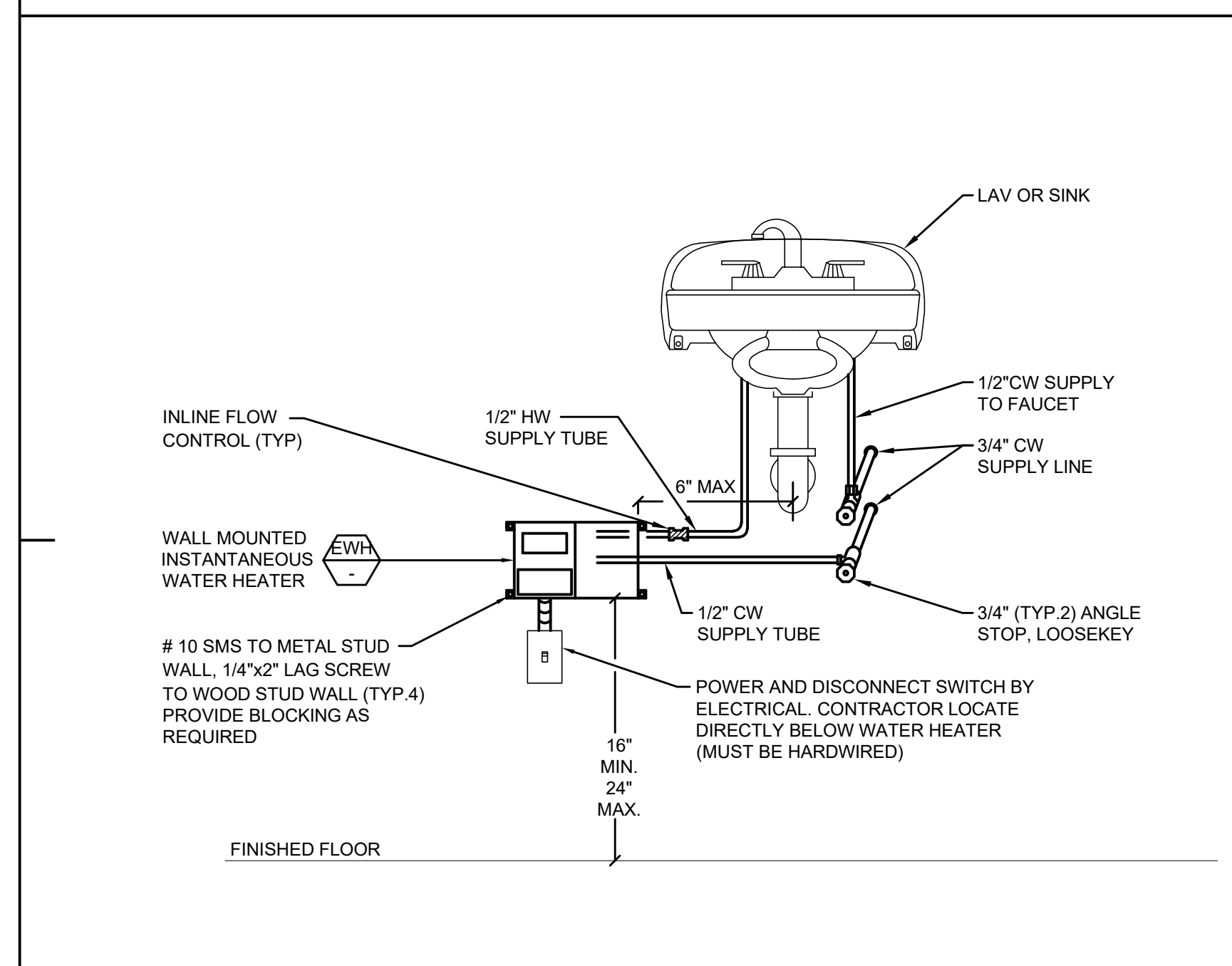
CD CONNECTION TO MECHANICAL EQUIPMENT DETAIL

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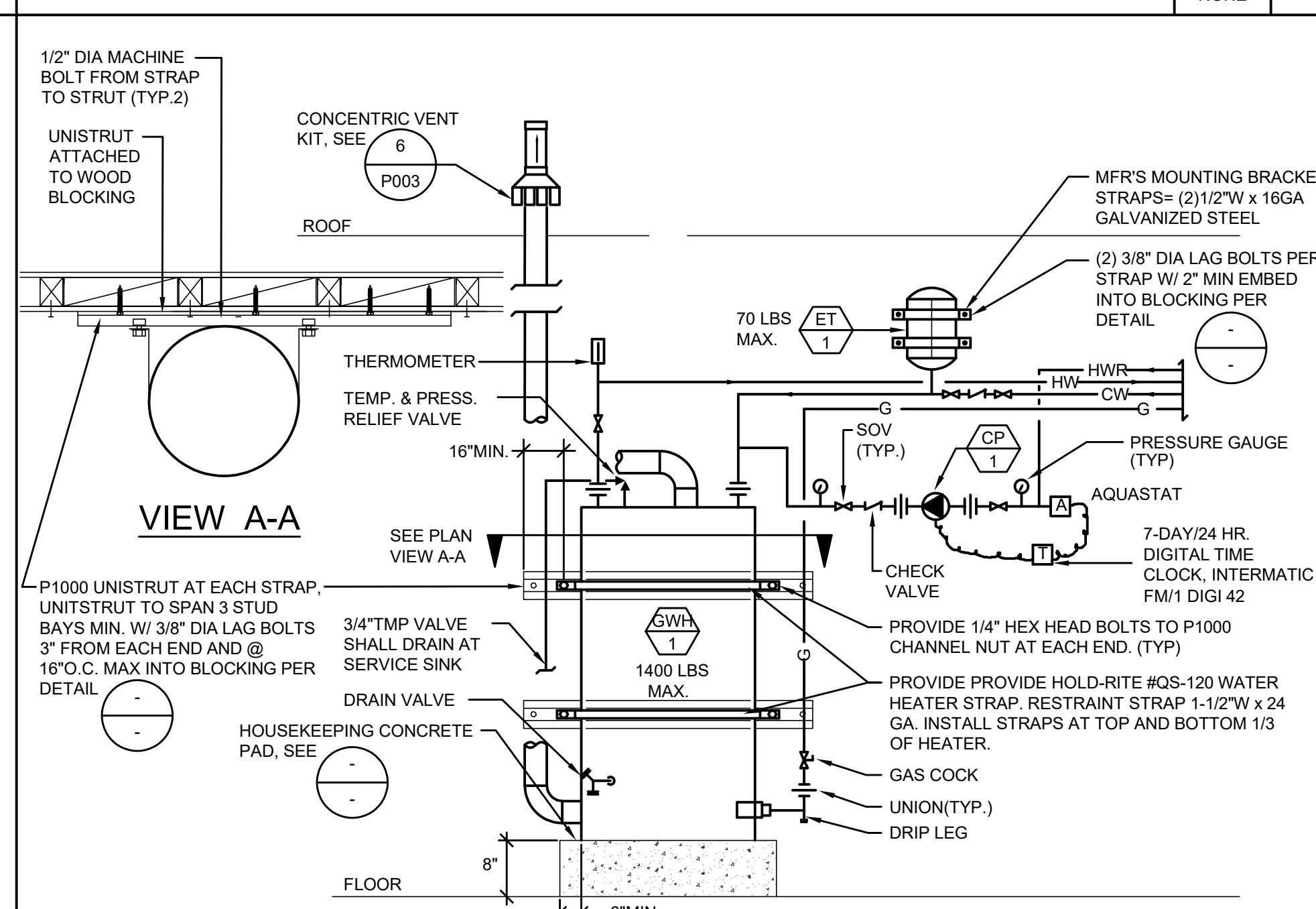
HOSE BIBB ON ROOF DETAIL

SCALE  
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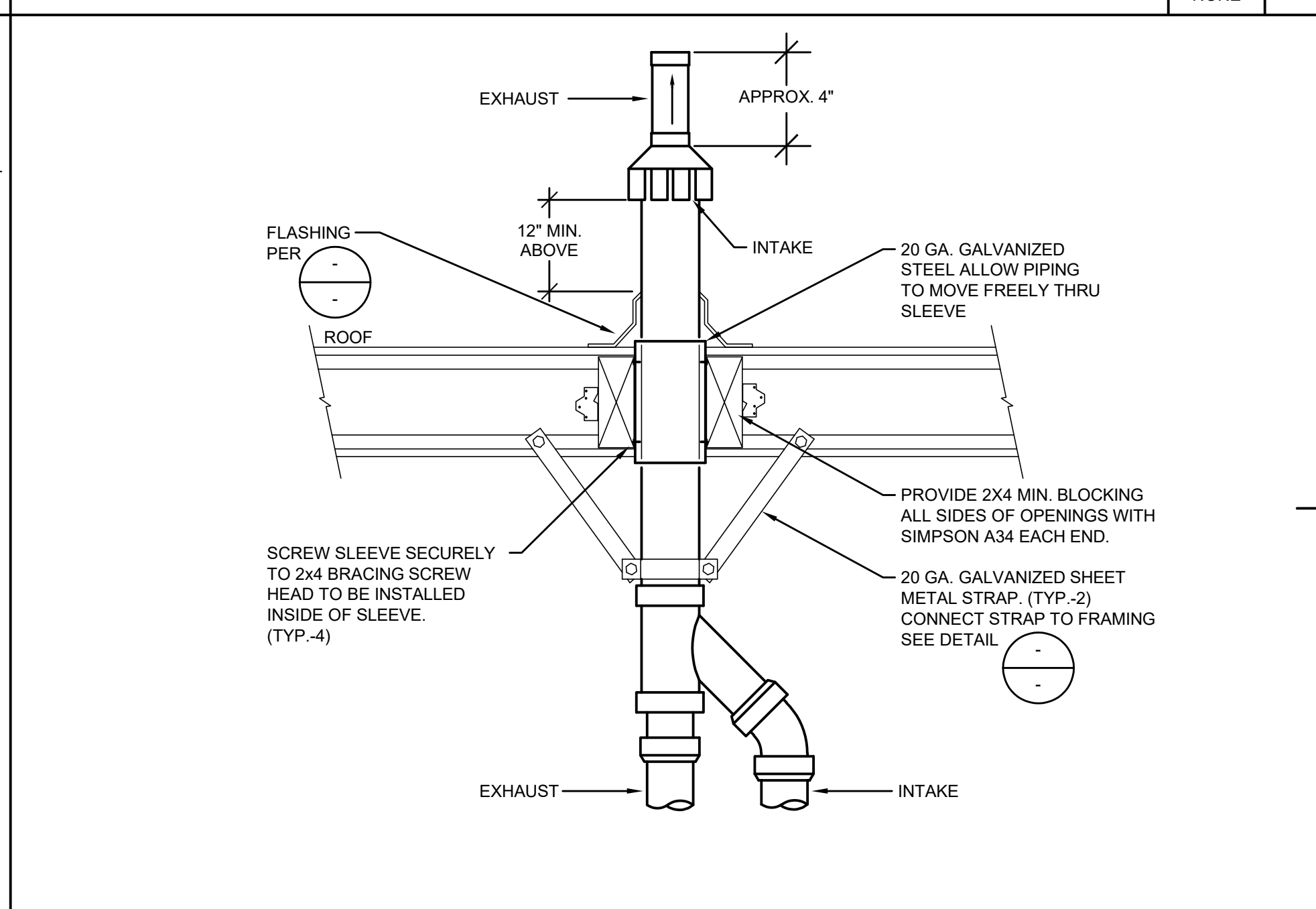
INSTANTANEOUS WATER HEATER DETAIL

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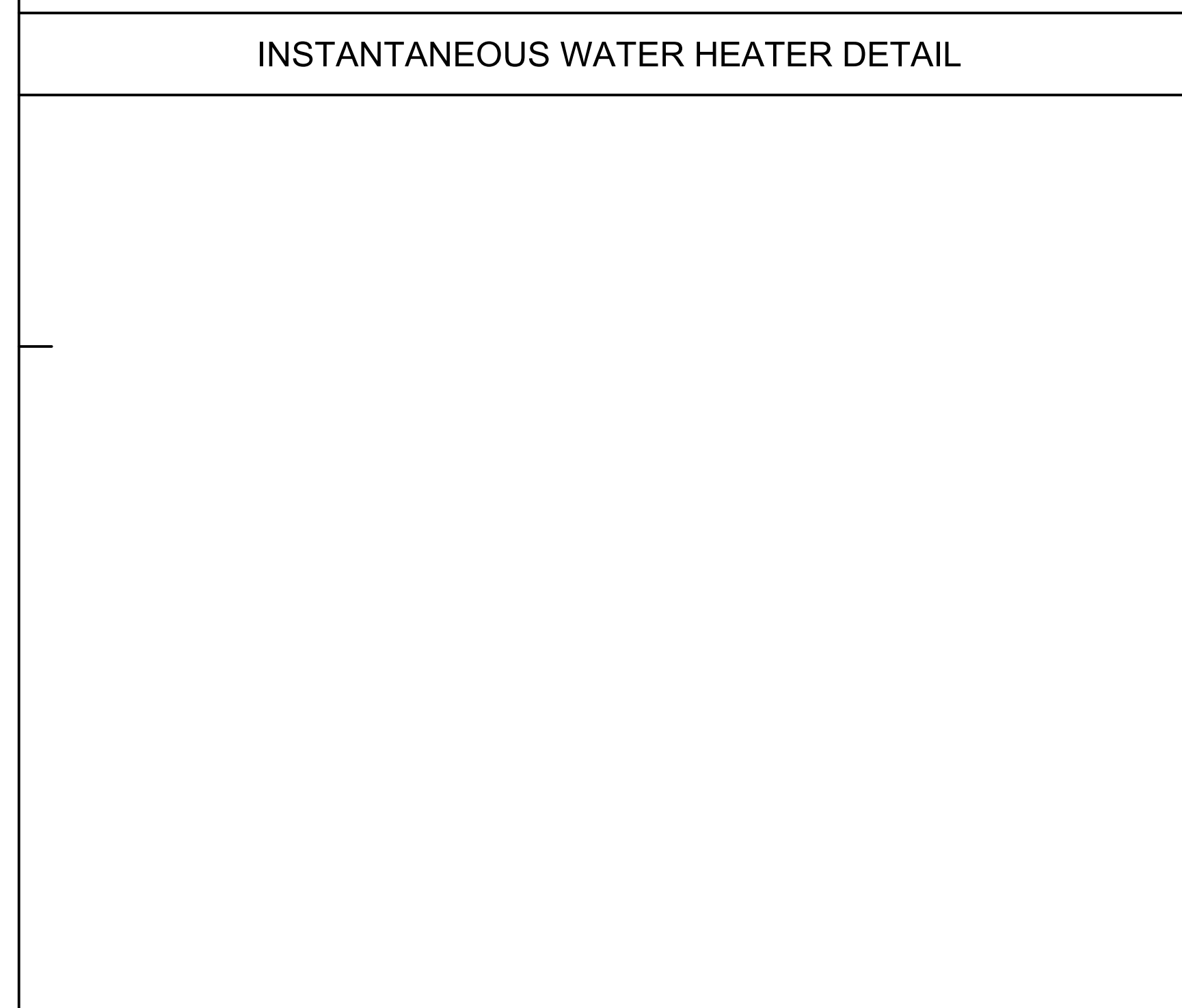
GAS FIRED WATER HEATER PIPING/MOUNTING DETAIL

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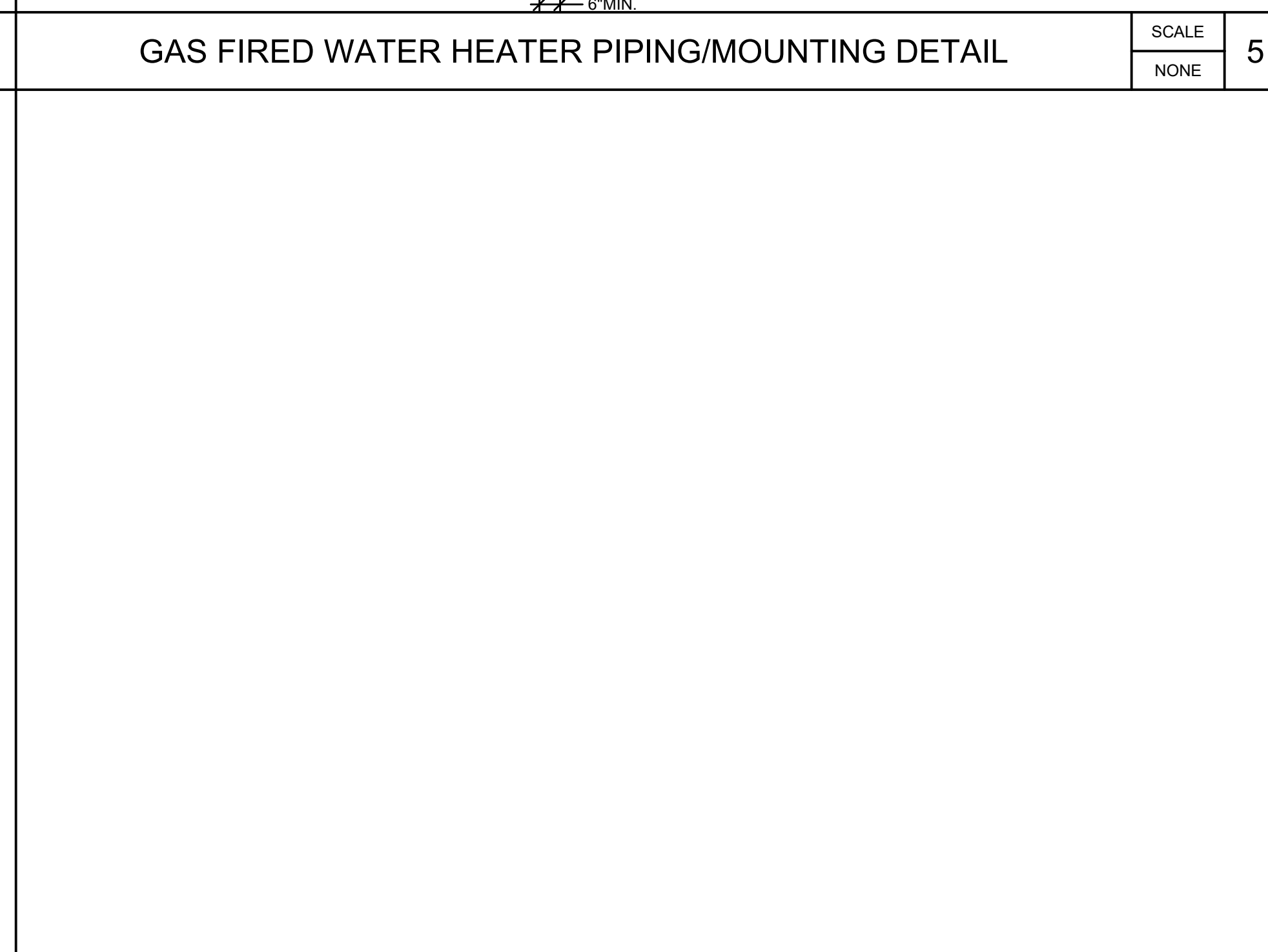


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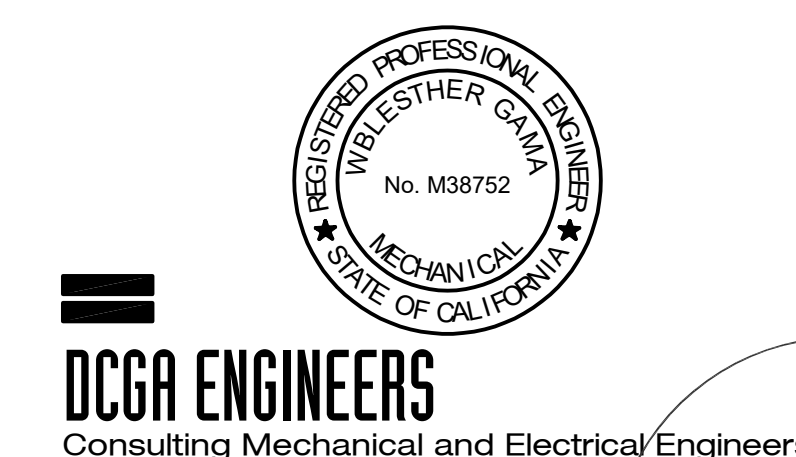
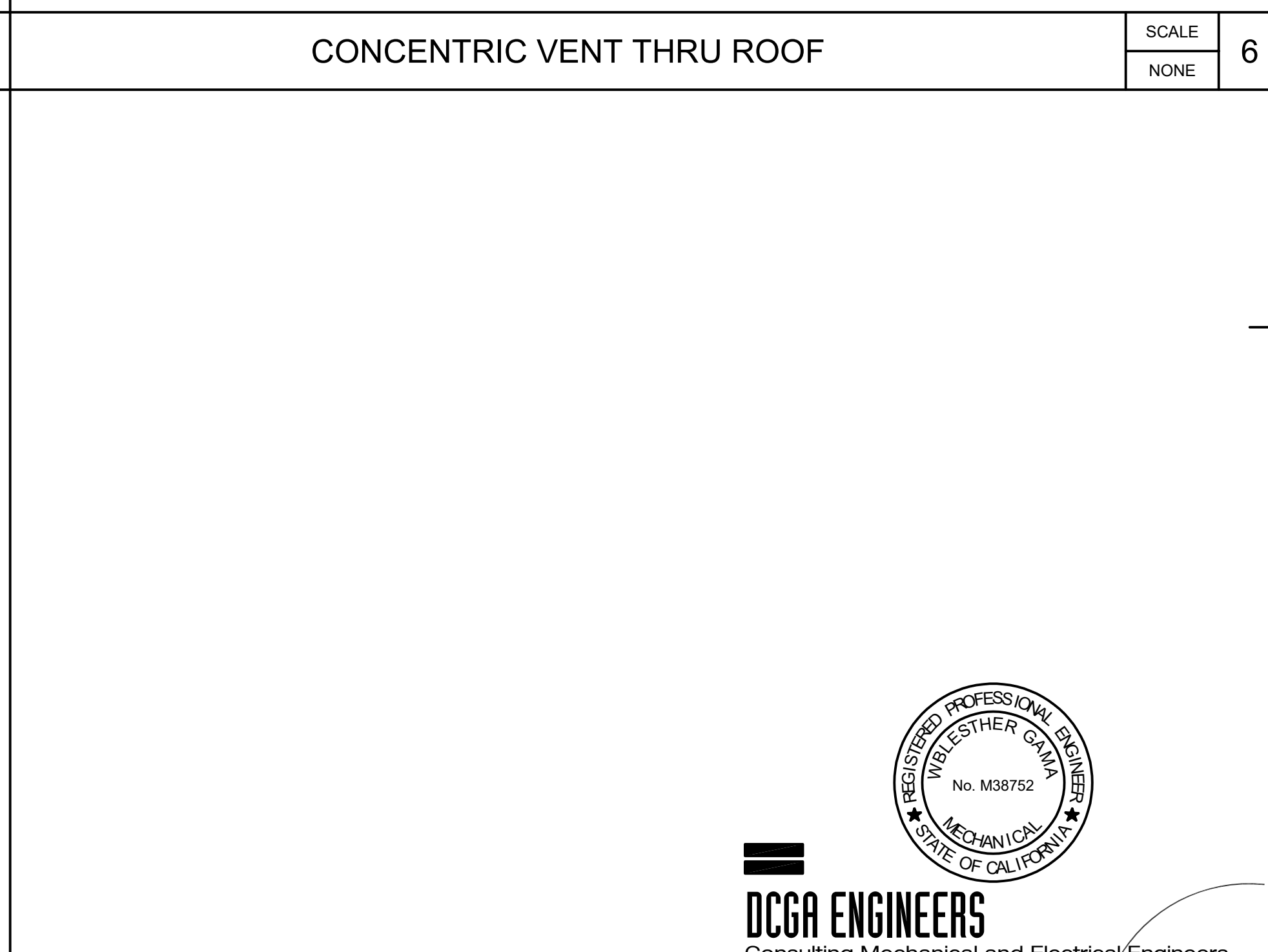
SCALE  
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SCALE  
NONE 7



SCALE  
NONE 8



DCGA ENGINEERS  
Consulting Mechanical and Electrical Engineers

4750 E. Ontario Mills Pkwy  
Ontario, Ca 91764  
Ph: 909.387.5011  
Fax: 909.980.7023

REMOVE AND DISPOSE OF FIXTURE. REMOVE UTILITY PIPING BACK TO WALL, BELOW GRADE/FLOOR OR UP IN WALL TO ABOVE CEILING. CAP AND ABANDON PIPING BELOW GRADE OR ABOVE CEILING.

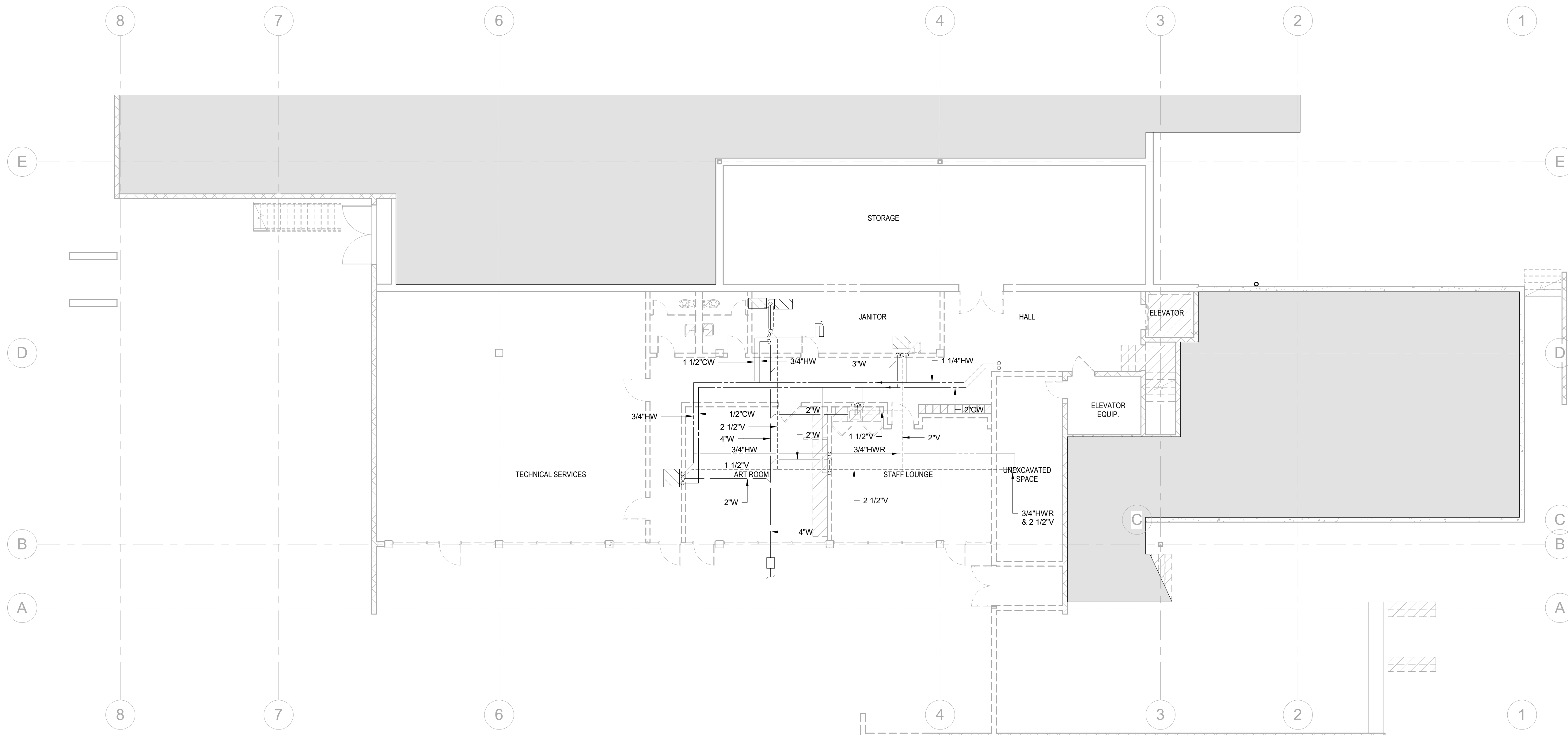
REMOVE AND DISPOSE OF FIXTURE. REMOVE UTILITY PIPING BACK TO WALL, BELOW GRADE/FLOOR OR UP IN WALL TO ABOVE CEILING. MODIFY PIPING AS REQUIRED TO ACCOMMODATE REPLACEMENT FIXTURE.



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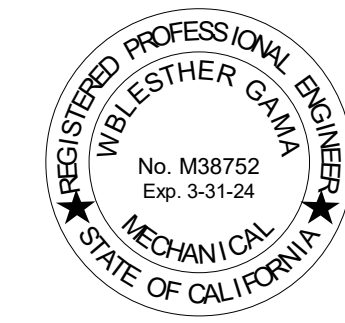
**LOWER LEVEL PLUMBING DEMOLITION PLAN**

SCALE: 1/8" = 1'-0"

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**1** LOWER LEVEL PLUMBING DEMOLITION PLAN  
1/8" = 1'-0"



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Consulting Mechanical and Electrical Engineers  
4750 E. Ontario Mills Pkwy  
Ontario, CA 91764  
Ph: 909.987.0017  
Fax: 909.980.7023

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SHEET TITLE:

**MAIN LEVEL PLUMBING DEMOLITION PLAN**

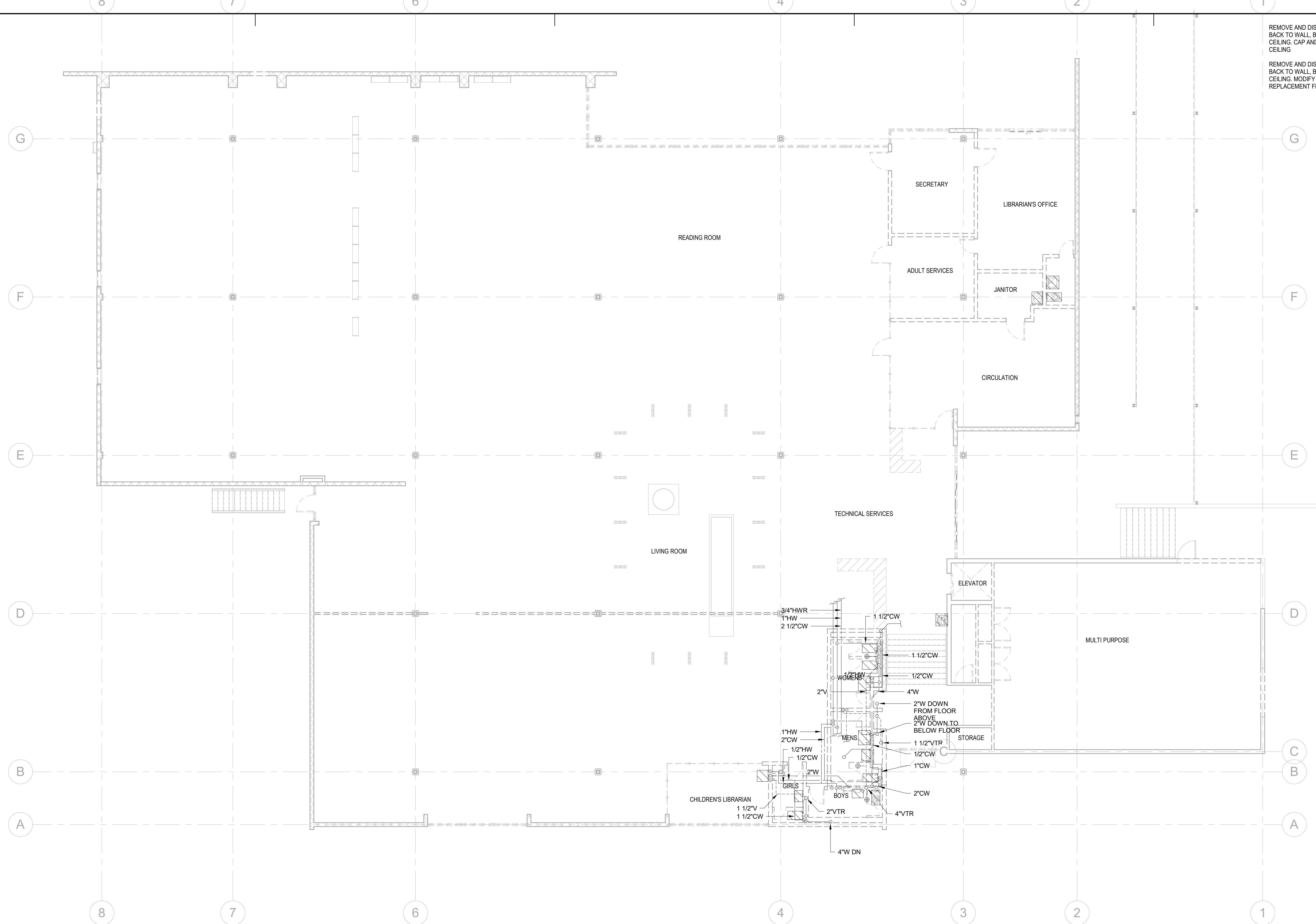
SCALE: 1/8" = 1'-0"

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REMOVE AND DISPOSE OF FIXTURE. REMOVE UTILITY PIPING BACK TO WALL, BELOW GRADE/FLOOR OR UP IN WALL TO ABOVE CEILING. CAP AND ABANDON PIPING BELOW GRADE OR ABOVE CEILING

REMOVE AND DISPOSE OF FIXTURE. REMOVE UTILITY PIPING BACK TO WALL, BELOW GRADE/FLOOR OR UP IN WALL TO ABOVE CEILING. MODIFY PIPING AS REQUIRED TO ACCOMMODATE REPLACEMENT FIXTURE.



**1 MAIN LEVEL PLUMBING DEMOLITION PLAN**  
1/8" = 1'-0"



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Consulting Mechanical and Electrical Engineers  
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Fax: 909.980.7023

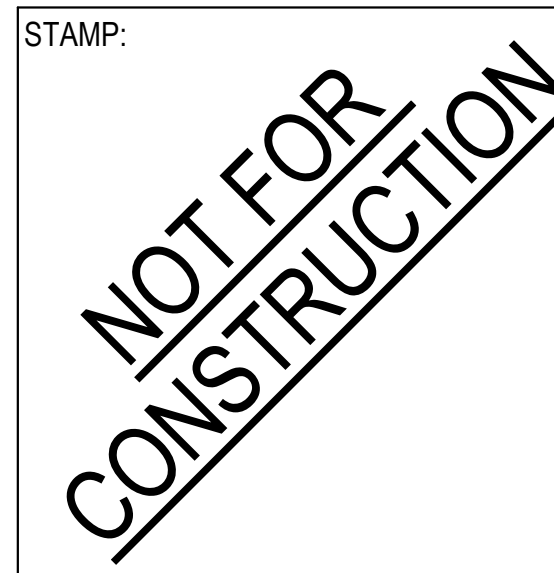
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PROJECT TITLE:

**Altadena Main Library**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: Issue Date

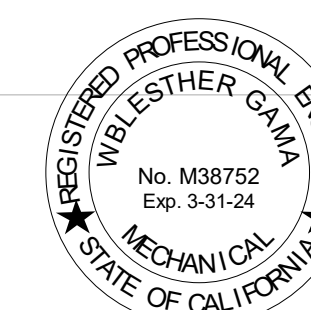
SHEET TITLE:

**LOWER LEVEL PLUMBING PLAN**

SCALE: 1/8" = 1'-0"

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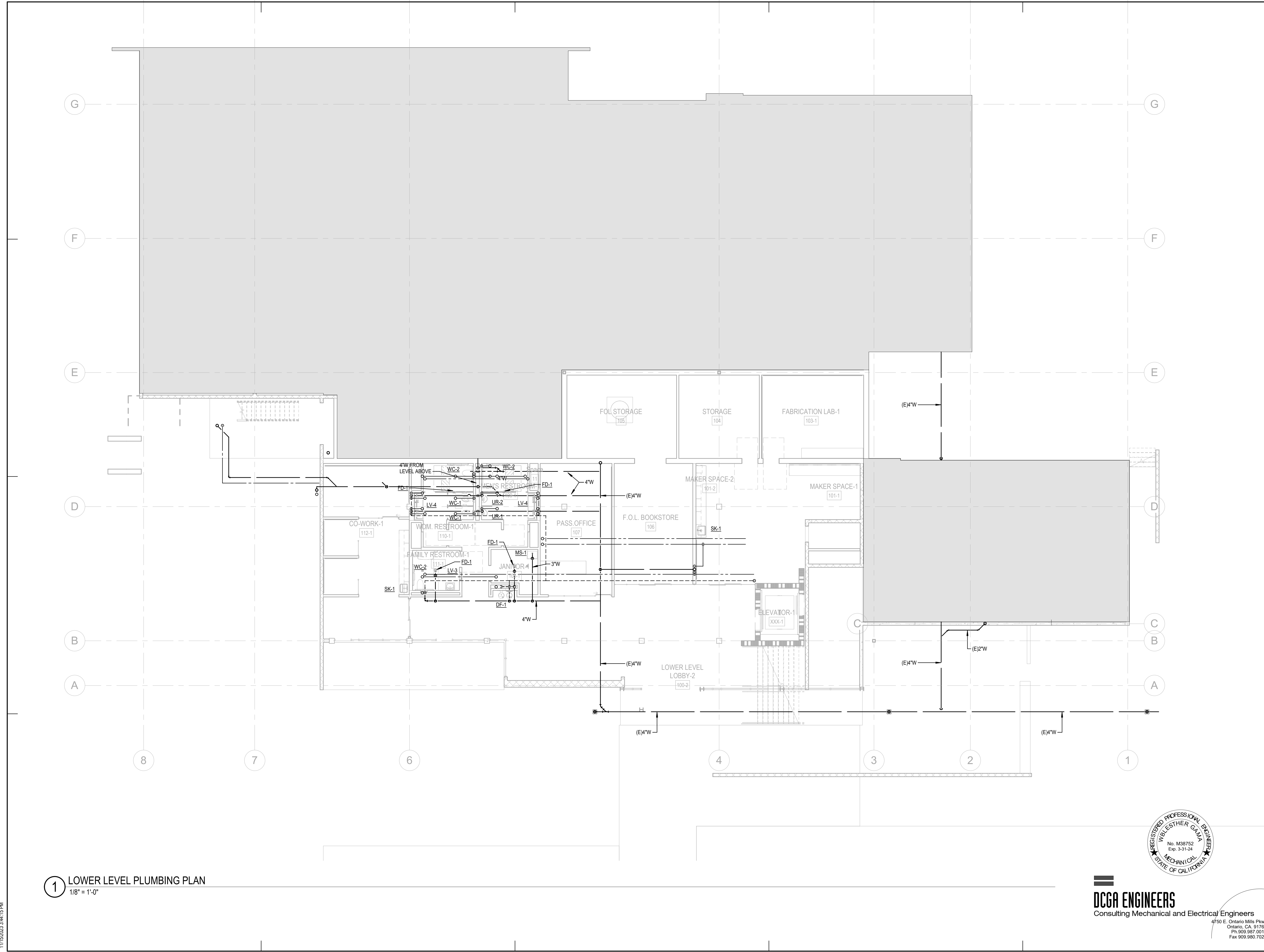
P202



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**1 LOWER LEVEL PLUMBING PLAN**  
1/8" = 1'-0"

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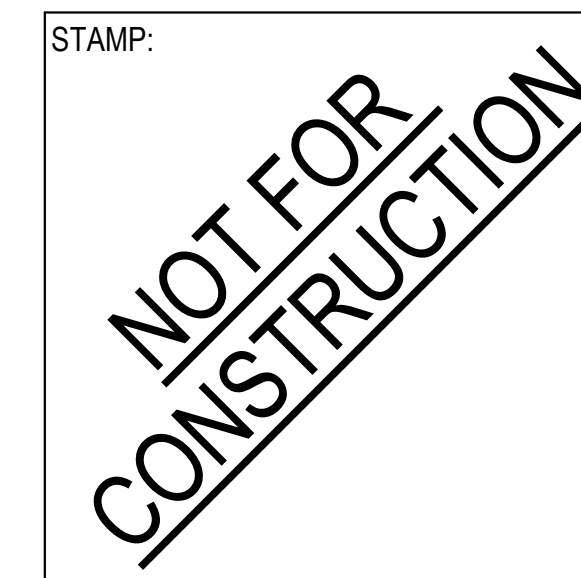




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PROJECT NO. 2111010

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SHEET TITLE:

MAIN LEVEL  
PLUMBING PLAN

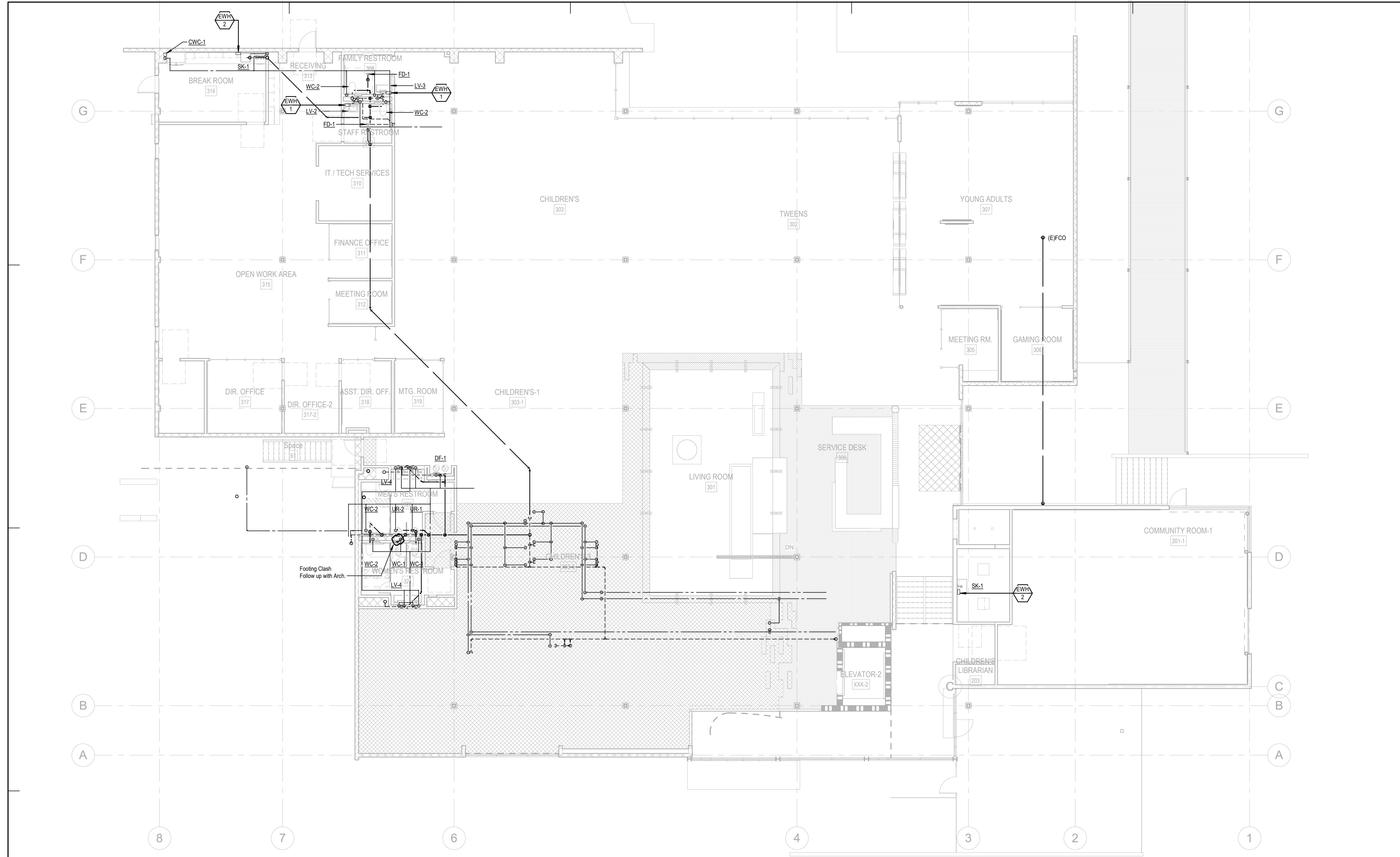
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P203



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1 MAIN LEVEL PLUMBING PLAN  
1/8" = 1'-0"

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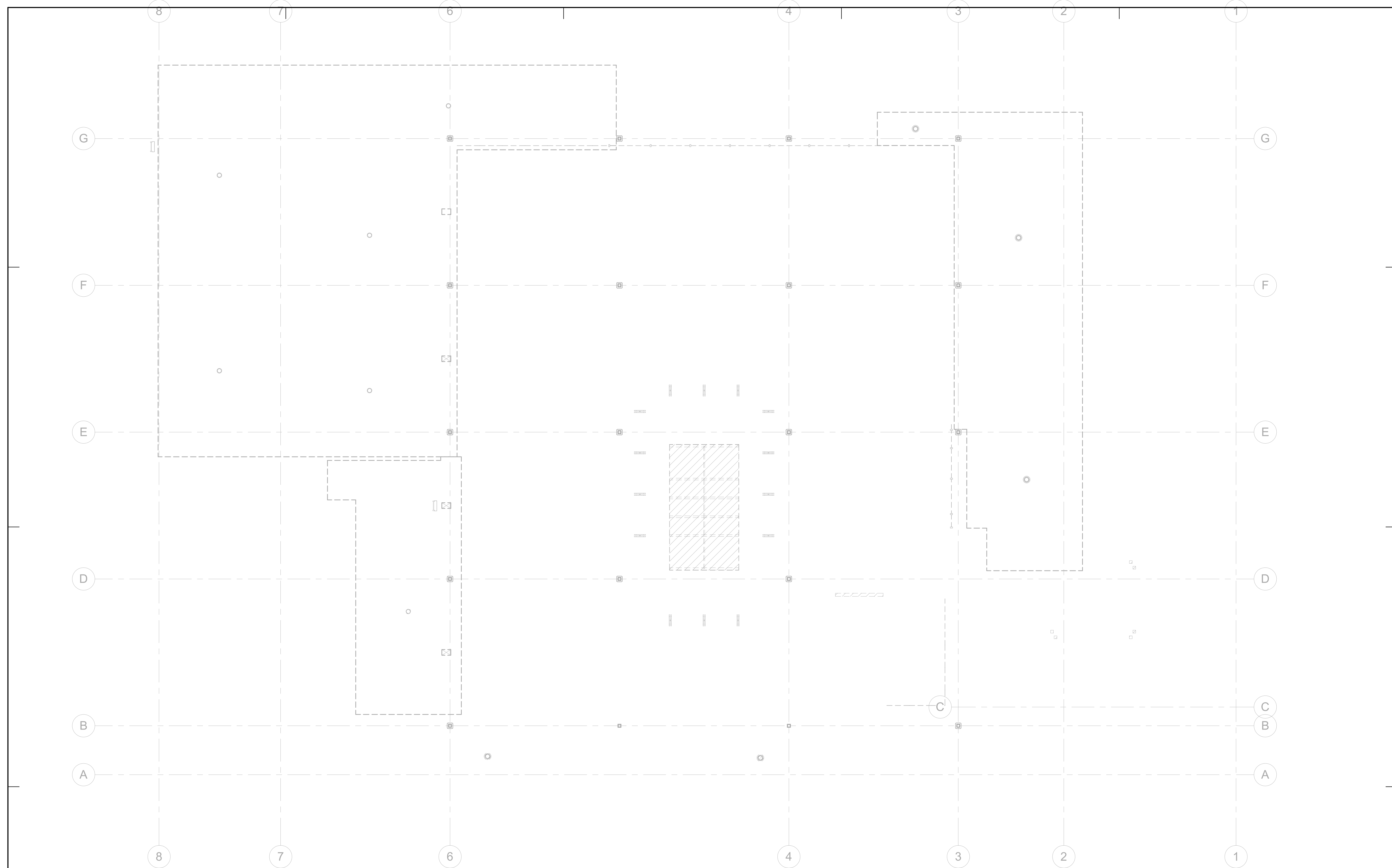




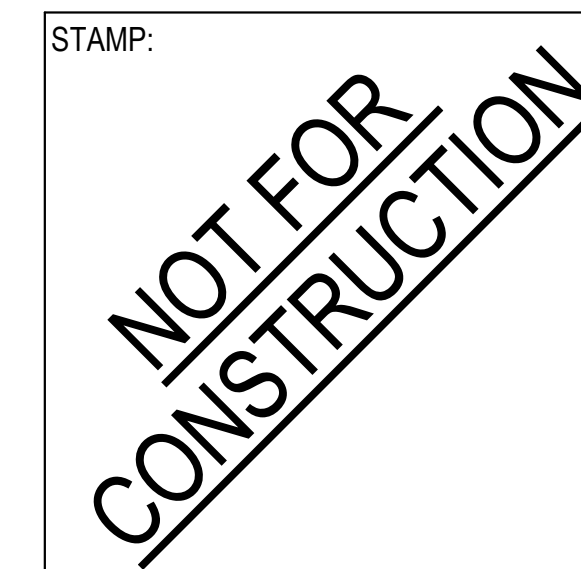
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1 PLUMBING DEMOLITION ROOF PLAN  
1/8" = 1'-0"



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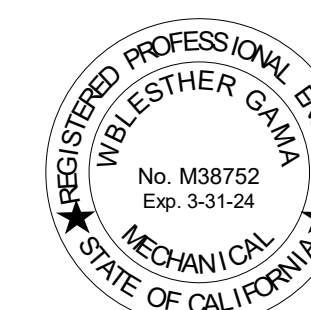
PROJECT NO. 2111010

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SHEET TITLE:

PLUMBING DEMOLITION ROOF PLAN

SCALE: 1/8" = 1'-0"



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P300

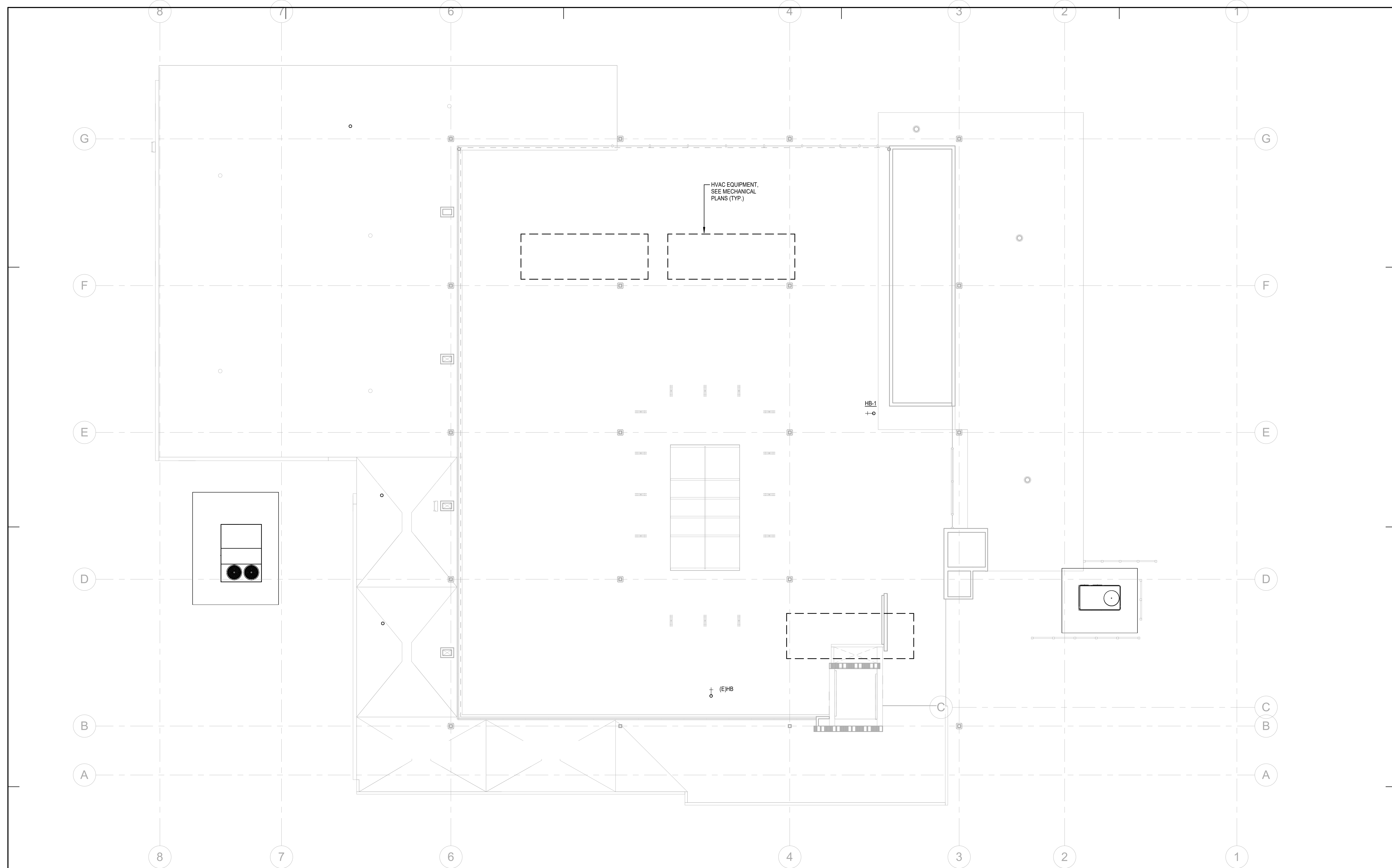
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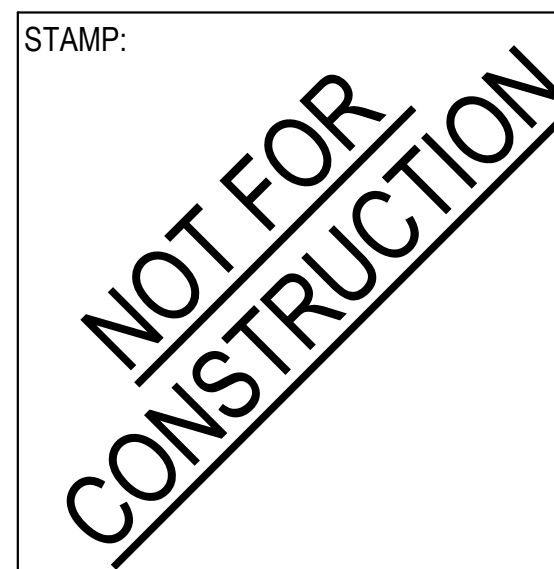


HVAC EQUIPMENT,  
SEE MECHANICAL  
PLANS (TYP.)

HB-1  
+o

(E)HB  
+o

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NO. DATE REVISIONS

NO.	DATE	REVISIONS

PROJECT TITLE:

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600 E MARIPOSA STREET  
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PROJECT NO. 2111010

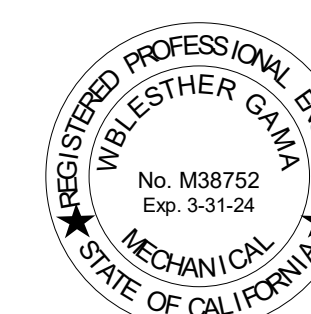
DATE: Issue Date

SHEET TITLE:

PLUMBING ROOF PLAN

SCALE: 1/8" = 1'-0"

1 PLUMBING ROOF PLAN  
1/8" = 1'-0"



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Ontario, CA. 91764  
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P301

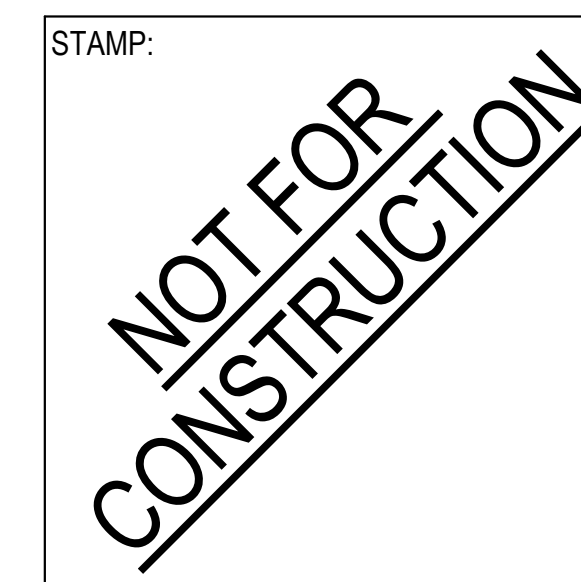
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PROJECT NO. 2111010

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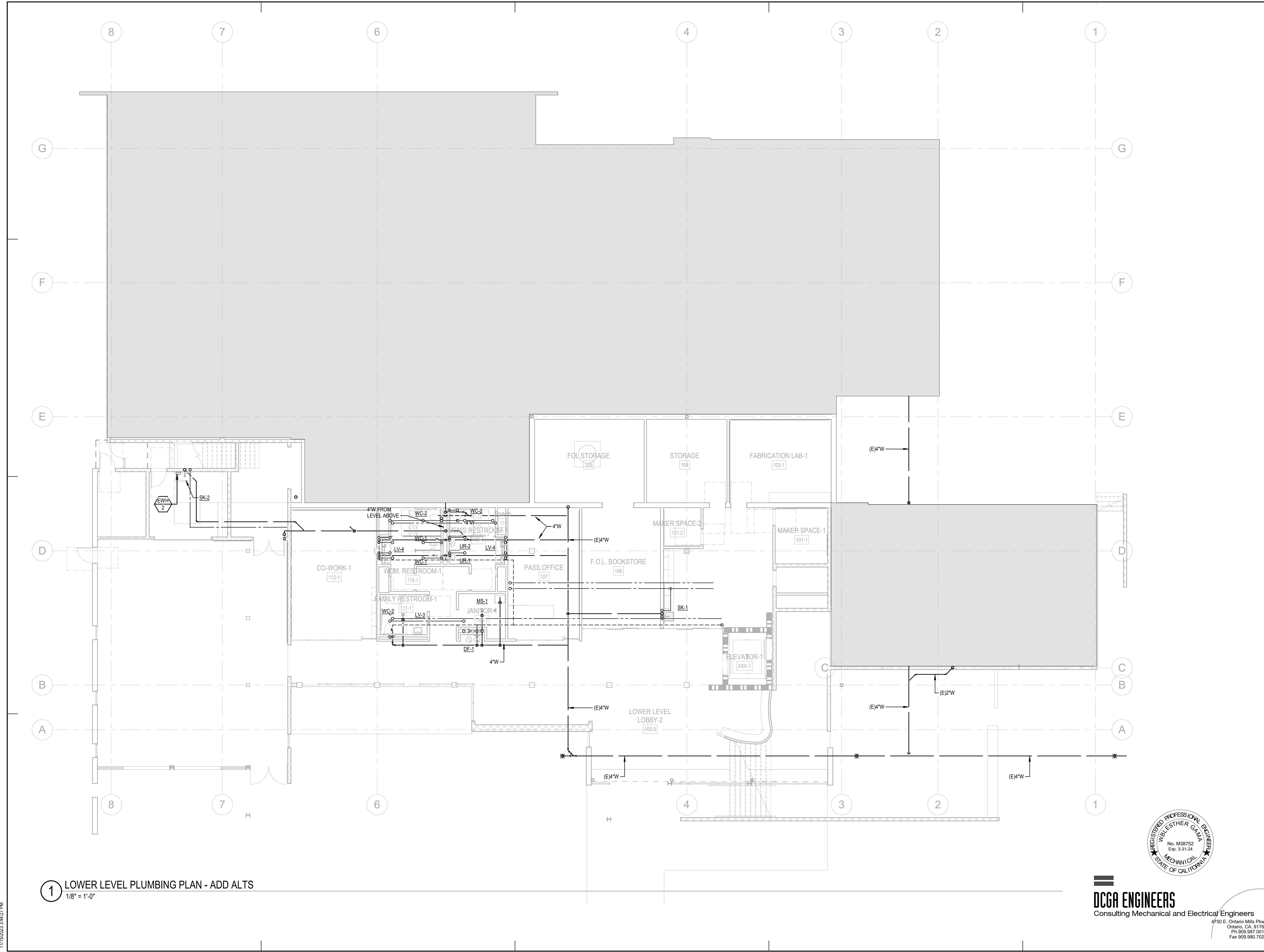
SHEET TITLE:

LOWER LEVEL  
PLUMBING PLAN -  
ADD ALTS

SCALE: 1/8" = 1'-0"

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PD201



1 LOWER LEVEL PLUMBING PLAN - ADD ALTS  
1/8" = 1'-0"



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	Date 1	Revision 1

PROJECT TITLE:  
**Altadena Main Library**  
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ALTADENA, CA 91001

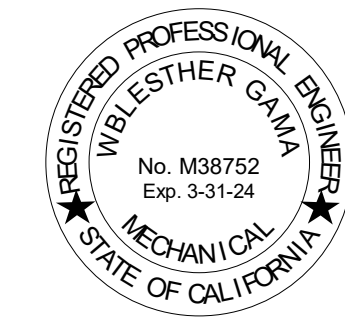
PROJECT NO. 2111010  
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SHEET TITLE:

**MAIN LEVEL PLUMBING PLAN - ADD ALTS**

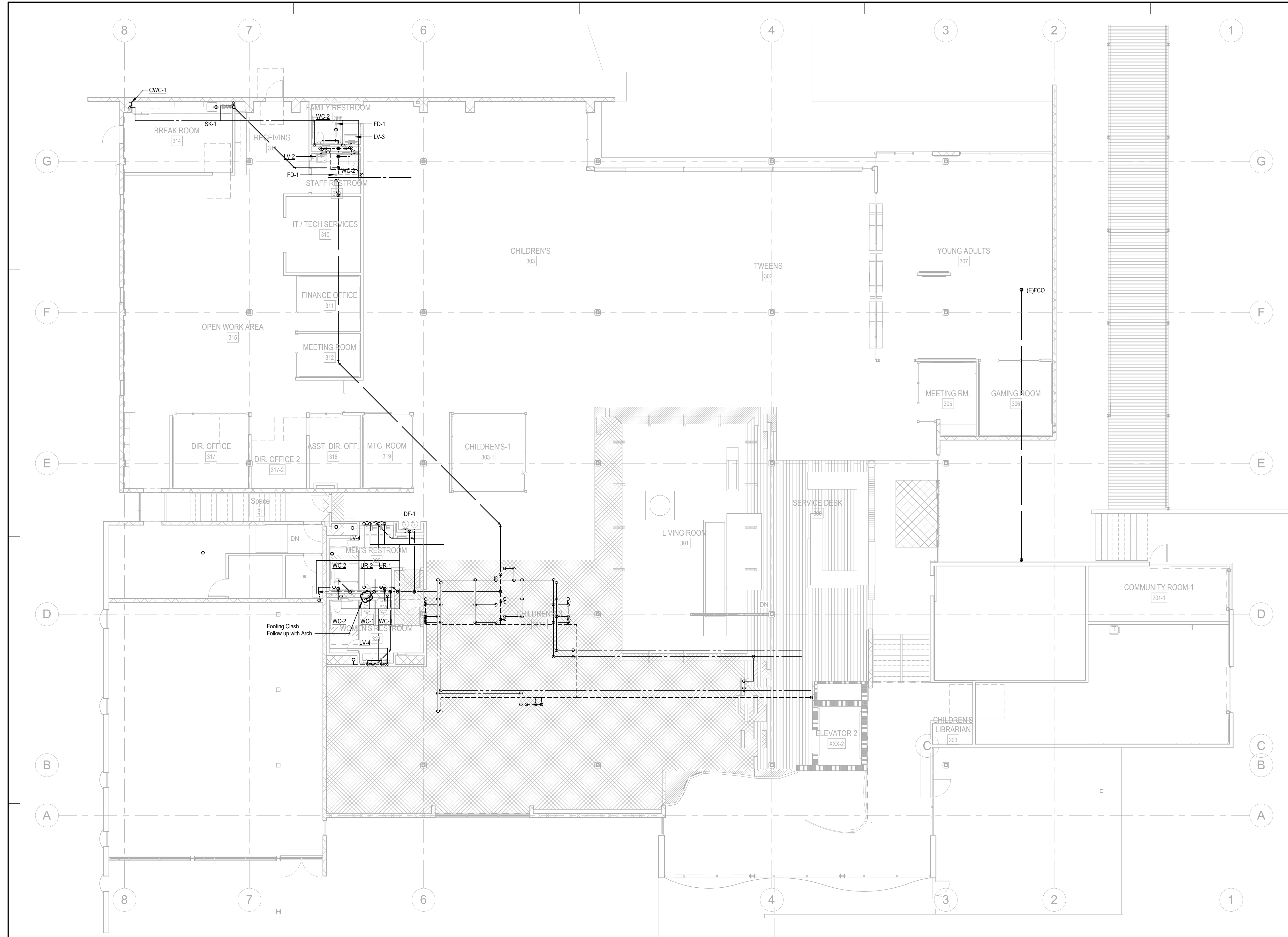
SCALE: 1/8" = 1'-0"

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PD202



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Fax: 909.980.7023



**1 MAIN LEVEL PLUMBING PLAN - ADD ALTS**  
1/8" = 1'-0"

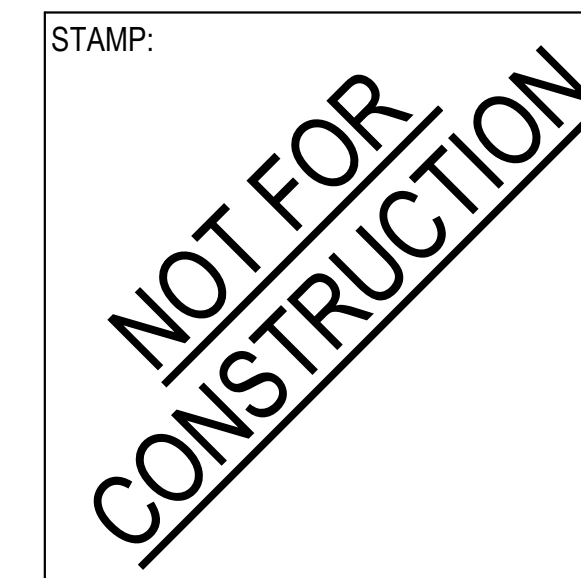
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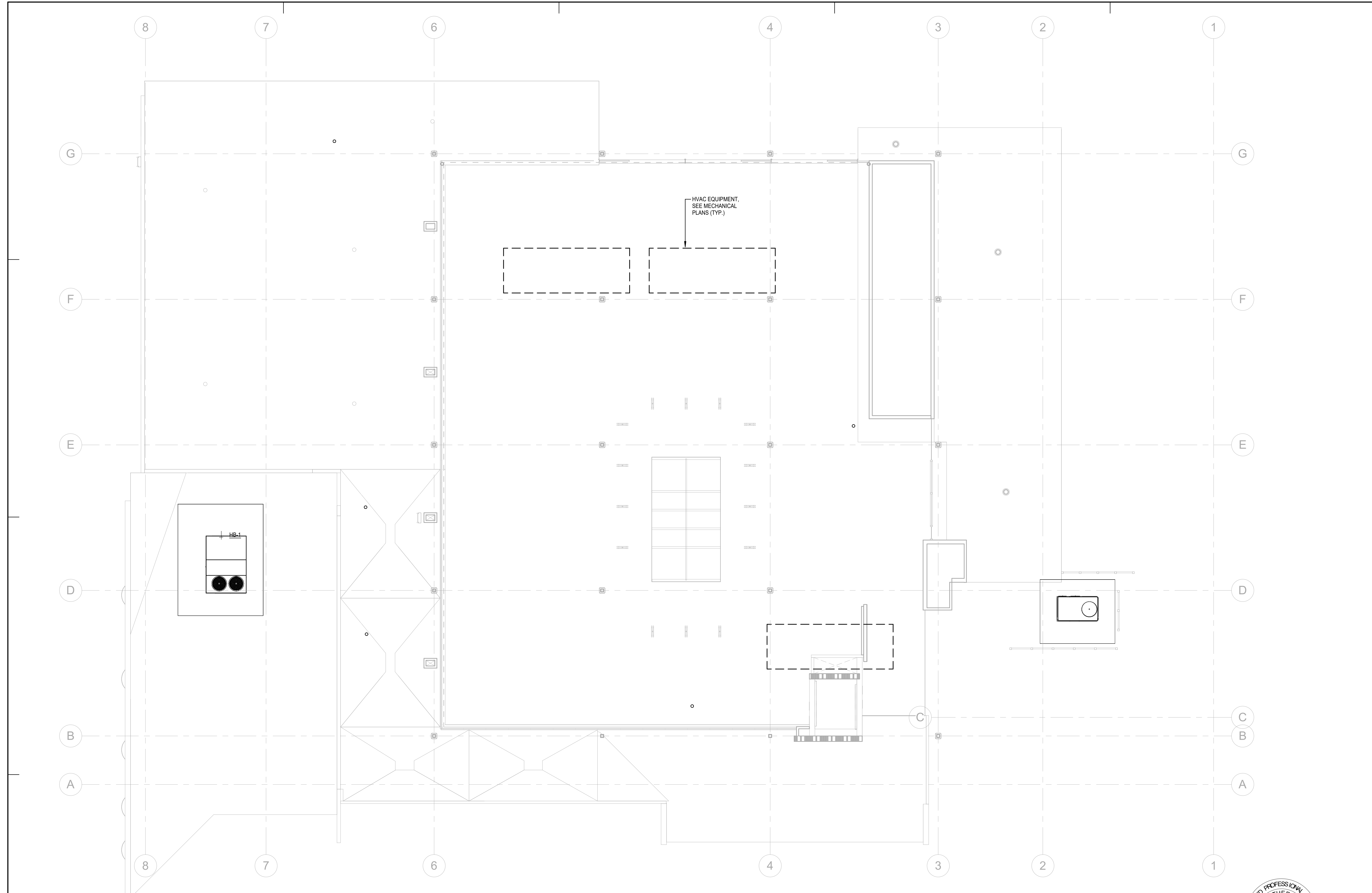
SHEET TITLE:

PLUMBING ROOF  
PLAN - ADD ALTS

SCALE: 1/8" = 1'-0"

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PD301



HVAC EQUIPMENT, SEE MECHANICAL PLANS (TYP.)

HB-1

1 PLUMBING ROOF PLAN - ADD ALTS  
1/8" = 1'-0"



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Consulting Mechanical and Electrical Engineers  
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Fax: 909.980.7023

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ELECTRICAL ABBREVIATIONS

AF	AMPERE FUSE RATING ABOVE FINISHED FLOOR
AFF	AMPS INTERRUPTED CAPACITY RATING (RMS SYMMETRICAL MINIMUM)
AIC	AMMETER
AM	AMPERES
AMP, A	APPROVED
APPR	AMPERE SWITCH RATING
AS	AMPERE TRIP RATING OR BREAKER
AT	AUTOMATIC
AUTO	AUTOMATIC TRANSFER SWITCH
ATS	AMERICAN WIRE GAUGE
AWG	BOARD
BRD, BD	BELOW FINISHED CEILING
BFC	BREAKER
BKR	CONDUIT
C	CABINET
CAB	CATEGORY
CAT	CENTER TO CENTER
CC	CANDELA
cd	CHLORINE, CHLORINATION
CHLOR	CIRCUIT
CKT	COMMUNICATION MANHOLE
CMH	CONDUIT ONLY
C.O.	COMPARTMENT
COMPT	COMPRESSOR
COMPR	COMMUNICATION PULLBOX
CPB	CONTROL POWER TRANSFORMER
CPT	CONTROL RELAY (MAGNETICALLY HELD U.N.O.)
CR	CALIFORNIA STATE FIRE MARSHALL
CSFM	CURRENT TRANSFORMER
CT	COPPER
CU	DETECTOR CHECK ASSEMBLY
D.C.A.	DISCONNECT
DISC	DISTRIBUTION
DISTR	DRAWING
DWG	ELEVATION
ELEV	EMERGENCY
EMERG, EM	ENCLASURE
ENCL	EQUIPMENT
EOPT	EXHAUST
EXH	EXISTING
E	FIRE ALARM ANNUNCIATOR
FAA	FEEDER
FDR	FINISHED FLOOR
FF	FINISHED GRADE
FG	FLOW SWITCH
FIS	FLEXIBLE
FLEX	FLUORESCENT
FLUOR	FIBER OPTIC CABLE
FOC	FUTURE
FUT	FUSE, CPT PRIMARY
FUP	FUSE, CPT SECONDARY
FUS	GROUND
GND, GRD, G	HAND HOLE
HH	HAND-OFF-AUTOMATIC
HOA	HEATER
HTR	HERTZ
HZ	INTERMEDIATE DISTRIBUTION FRAME
IDF	INTERCEPT COMMUNICATION PULLBOX
ICPB	INCANDESCENT
INC	INDICATION
IND	INSTRUMENT
INSTR	INTERCEPT POWER PULLBOX
IPPB	SHORT CIRCUIT CURRENT
ISC	JUNCTION BOX
J.B.	THOUSAND (KILO)
K	KILOVOLTS
KV	KILOWATTS
KW	KILOVOLT AMPERES
KVA	KILOVOLT AMPERES REACTIVE
KVAR	KILOWATT HOURS
KWH	KILOWATT HOUR DEMAND METER
KWHD	LIGHTING CONTROL PANEL
LCP	PUSH BUTTON WITH "LOCK-OUT-STOP"
LOS	LIMIT SWITCH
LS	LIGHT, LIGHTS
LT, LTS	LIGHTING
LTG	LOW VOLTAGE
LV	MILLIAMPS
MA	MANUAL
MAN	MAGNETIC
MAG	MAXIMUM
MAX	MAIN CIRCUIT BREAKER
MCB	MOTOR CONTROL CENTER
MCC	THOUSAND CIRCULAR MILS
MCM	MOTOR CIRCUIT PROTECTOR
MCP	MAIN DISTRIBUTION FRAME
MDF	MANHOLE
MH	MANUAL MOTOR STARTER
MS	MINUTES, MINIMUM
MIN	MOTOR OPERATED VALVE, METAL OXIDE VARISTOR
MOV	MOUNT, MOUNTED, MOUNTING
MT, MTD, MTG	NEUTRALIZATION ALARM PANEL
N.A.P.	NUMBER, NUMBERS
NO, NOS	NAMEPLATE
NP	NOT TO SCALE
NTS	ON CENTER
OC	OVERLOAD
OL	PULLBOX
PB	POST INDICATOR VALVE
PIV	POWER MANHOLE
PMH	PANEL
PNL	PANELBOARD
PNLBD	POSITION
POS	POWER PULLBOX
PPB	PRIMARY
PRI	PRESSURE SWITCH
PS	POTENTIAL TRANSFORMER
PT	POLYVINYL CHLORIDE
PVC	PART WINDING
PW	POWER
PWR	RECEPTACLE
REC	RECEPTACLES
RECPTS	REQUIRED
REQD	STATUS ANNUNCIATOR
REQD	SCHEDULE
SA	SECONDS, SECONDARY
SCH	SECTION
SEC	SELECTOR SWITCH
SECT	SEQUENCE
SECT	SHIELDED
SEL SW	SHEET
SEQ	SIGNAL
SHLD	START CONTACTOR COIL
SHT	SPECIFICATIONS
SIG	SPACE HEATER
SM	SHUNT TRIP
SPECS	STATION
SP HTR	STANDARD
ST	STEEL
STA	STARTER
STD	SOLENOID VALVE
STL	SWITCH
STR	SYSTEM
SV	TACHOMETER
SW	TIME-CLOCK
SYS	TIME DELAY ON DE-ENERGIZATION
TACH	TIME DELAY ON ENERGIZATION
TC	
TDOD	
TOEE	

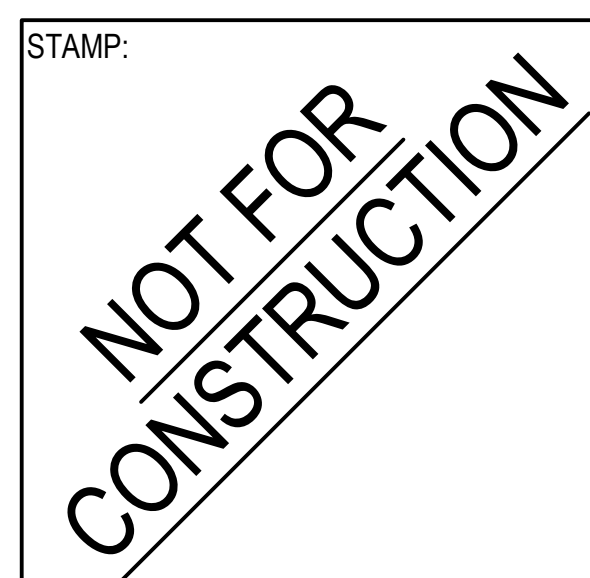
TEMP	TEMPERATURE
TERM	TERMINAL
THERM	THERMOSTAT
TR	TIME DELAY RELAY
TS	TAMPER SWITCH
TSP	TWISTED SHIELDED PAIR
TSTAT	THERMOSTAT
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
UGPS	UNDERGROUND PULL SECTION
UTP	UNSHIELDED TWISTED PAIR
VFD	VARIABLE FREQUENCY DRIVE
V	VOLTS
VM	VOLTMETER
VS	VOLTMETER SWITCH
W	WATT
WHM	WATT HOUR METER
WP	WEATHERPROOF
WPL	WEATHERPROOF LOCKING
XFMR	TRANSFORMER
XMTR	TRANSMITTER

	SWITCH. LOWER CASE LETTER AT BOTTOM INDICATES OUTLETS CONTROLLED. CAPITAL SUPERScript INDICATES SWITCH TYPE. MOUNT PER DETAIL #1 ON E0.1 U.N.O.
	NO SUPERScript - SINGLE POLE SWITCH
	2 - DOUBLE POLE
	3 - THREE WAY
	4 - FOUR WAY
	L - ILLUMINATED HANDLE
	K - KEYSwitch
	L - LOCKABLE COVER
	M - MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION
	MC - MOMENTARY CONTACT
	PR - PILOT LIGHT
	TP - PRESS TYPE
	T - THREE POSITION
	T - TIMER-0.4 HR ROTARY WITH HOLD-ON FEATURE
	L - LOCKABLE POSITION TOGGLE SWITCH
	FEEDER DESIGNATION. SEE SINGLE LINE DIAGRAM, FEEDER SCHEDULES AND ELECTRICAL SITE PLAN.
	DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. MOUNT PER DETAIL #1 ON E0.1 U.N.O. "T" ADJACENT INDICATES MOUNTING OF RECEPTACLE AT +96". COORDINATE LOCATIONS WITH SIGNAL DRAWINGS. "C" ADJACENT SYMBOL INDICATES DEVICE MOUNTED ON CEILING TYPICAL UNLESS NOTED OTHERWISE.
	DUPLEX GROUNDING TYPE CONTROLLED RECEPTACLE, 20AMP, 125 VOLT, 2 POLE, 3 WIRE. MOUNT PER DETAIL #1/E0.1 U.N.O. RECEPTACLE SHALL HAVE PERMANENT IDENTIFICATION.
	DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. MOUNT PER DETAIL #1 ON E0.1 U.N.O. "WPL" ADJACENT INDICATES WEATHER RESISTANT STAINLESS STEEL LOCKING COVER.
	FLUSH FLOOR MOUNTED DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE IN SPECIAL FLOOR BOX.
	DUPLEX GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. MOUNT ABOVE COUNTER PER DETAIL #1 ON E0.1 U.N.O.
	DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. MOUNT ABOVE COUNTER PER DETAIL #1 ON E0.1 U.N.O.
	TWO DUPLEX GROUNDING TYPE RECEPTACLES IN 4S BOX, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. MOUNT PER DETAIL #1 ON E0.1 U.N.O.
	TWO DUPLEX GROUND FAULT INTERRUPTING TYPE RECEPTACLES IN 3-GANG BOX WITH 2-GANG RING AND PLATE, 20A, 125 VOLT, 2 POLE, 3 WIRE. MOUNT PER DETAIL #1 ON E0.1 U.N.O.
	TWO 20 AMP DUPLEX RECEPTACLES IN SPECIAL FLOOR BOX.
	SPECIAL PURPOSE OUTLET MOUNTED IN FLUSH WALL BOX. LETTER INDICATES TYPE. "L" ADJACENT INDICATES TWIST LOCK TYPE
	A - NEMA TYPE 5-30R (125 VOLT, 1 PHASE, 30 AMP)
	B - NEMA TYPE 5-50R (125 VOLT, 1 PHASE, 50 AMP)
	C - NEMA TYPE 6-20R (250 VOLT, 1 PHASE, 20 AMP)
	D - NEMA TYPE 6-30R (250 VOLT, 1 PHASE, 30 AMP)
	E - NEMA TYPE 6-50R (250 VOLT, 1 PHASE, 50 AMP)
	F - NEMA TYPE 11-20R (250 VOLT, 3 PHASE, 20 AMP)
	G - NEMA TYPE 11-30R (250 VOLT, 3 PHASE, 30 AMP)
	H - NEMA TYPE 11-50R (250 VOLT, 3 PHASE, 50 AMP)
	J - NEMA TYPE 14-20R (125/250 VOLT, 1 PHASE, 20 AMP)
	K - NEMA TYPE 14-30R (125/250 VOLT, 1 PHASE, 30 AMP)
	M - NEMA TYPE 14-50R (125/250 VOLT, 1 PHASE, 50 AMP)
	N - NEMA TYPE L22-30R (480 VOLT, 3 PHASE)
	NON-FUSED DISCONNECT SWITCH. "AS" INDICATES SWITCH AMPERE RATING UNLESS NOTED OTHERWISE ON DRAWINGS.
	FUSED DISCONNECT SWITCH. "AS" INDICATES SWITCH AMPERE RATING. "AF" INDICATES FUSE AMPERE RATING.
	MAGNETIC MOTOR STARTER. ROMAN NUMERAL INDICATES NEMA STARTER SIZE. ADDITIONAL SUBSCRIPTS INDICATE STARTER TYPE AND SIZE. (TYPICAL FOR ALL MAGNETIC STARTER SYMBOLS.)
	NO SUBSCRIPT - FULL VOLTAGE, NON REVERSING
	PR - PRIMARY RESISTOR REDUCED VOLTAGE
	AT - AUTOTRANSFORMER REDUCED VOLTAGE
	WD - WYE-DELTA REDUCED VOLTAGE
	PW - PART WINDING REDUCED VOLTAGE
	SS - SOLID STATE REDUCED VOLTAGE
	REV - REVERSING TYPE
	2S - TWO SPEED
	2W - TWO WINDINGS
	CH - CONSTANT HORSEPOWER
	CT - CONSTANT TORQUE
	VT - VARIABLE TORQUE
	VFD - VARIABLE FREQUENCY DRIVE
	COMBINATION MAGNETIC MOTOR STARTER AND NON-FUSED DISCONNECT SWITCH. TYPE AS INDICATED ABOVE.
	COMBINATION MAGNETIC MOTOR STARTER AND FUSED DISCONNECT SWITCH. TYPE AS INDICATED ABOVE.
	SINGLE PHASE FRACTIONAL OR INTEGRAL HORSEPOWER
	DUPLEX ISOLATED GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE WITH SEPARATE GROUND WIRE ROUTED TO PANEL AND CONNECTED TO ISOLATED GROUND BUS. DEVICE TO BE ORANGE IN COLOR. MOUNT PER DETAIL #1 ON E0.1 U.N.O.. COORDINATE LOCATIONS WITH SIGNAL DRAWINGS.

ELECTRICAL SYMBOLS LIST

	DUPLEX ISOLATED GROUNDING TYPE RECEPTACLE, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE WITH SEPARATE GROUND WIRE ROUTED TO PANEL AND CONNECTED TO ISOLATED GROUND BUS. DEVICE TO BE ORANGE IN COLOR. MOUNT PER DETAIL #1 ON E0.1 U.N.O.. COORDINATE LOCATIONS WITH SIGNAL DRAWINGS. DEVICE IS TO BE CEILING MOUNTED.
	TWO (2) DUPLEX ISOLATED GROUNDING TYPE RECEPTACLES, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE WITH SEPARATE GROUND WIRE ROUTED TO PANEL AND CONNECTED TO ISOLATED GROUND BUS. DEVICE TO BE ORANGE IN COLOR. MOUNT PER DETAIL #1 ON E0.1 U.N.O.. COORDINATE LOCATIONS WITH SIGNAL DRAWINGS. DEVICE IS TO BE CEILING MOUNTED.
	DIGITAL WALL SWITCH WITH "ON/OFF" AND DIMMING CAPABILITY. REFER TO DETAIL #3/E4.01 FOR MANUFACTURERS AND MODEL NUMBERS. NUMERAL ADJACENT INDICATES QUANTITY OF BUTTONS. LOWER CASE LETTER AT BOTTOM INDICATES FIXTURES CONTROLLER. MOUNT AT +48" PER DETAIL #1/E0.1.
	WALL MOUNTED INFRARED/ULTRASONIC OCCUPANCY SENSOR SWITCH/DIMMER. MOUNT AT +48". SENSOR SWITCH #WSX-PDT-D OR APPROVED EQUAL.
	INFRARED/ULTRASONIC DUAL TECHNOLOGY TYPE DIGITAL OCCUPANCY SENSOR COMPLETE WITH ALL POWER SUPPLIES, RELAY PACKS AND CONNECTIONS. REFER TO DETAIL #3/E4.01 FOR MANUFACTURE AND MODEL NUMBER.
	DIGITAL ROOM CONTROLLER/POWER PACK WITH 0-10 VOLT DIMMING AND CAT5 CABLE CONNECTIONS. REFER TO DETAIL #3/E4.01 FOR MANUFACTURERS AND MODEL NUMBERS. LOWER CASE LETTER ADJACENT INDICATES LIGHT FIXTURES CONTROLLED.
	DIGITAL PHOTOCELL. REFER TO DETAIL #3/E4.01 FOR MANUFACTURE AND MODEL NUMBER. LOWER CASE LETTER ADJACENT INDICATES LIGHT FIXTURES CONTROLLED.
	DIGITAL RECEPTACLE CONTROLLER WITH 20AMP RATED RELAY AND CAT5 CABLE CONNECTIONS. REFER TO DETAIL #3/E4.01 FOR MANUFACTURE AND MODEL NUMBERS. CIRCUIT ADJACENT SYMBOLS INDICATES CIRCUIT TO BE CONTROLLED.
	EQUIPMENT WITH "E" ADJACENT IS EXISTING TO REMAIN.
	EXISTING EQUIPMENT WITH "R" ADJACENT IS TO BE COMPLETELY DISCONNECTED AND REMOVED.
	EXISTING EQUIPMENT WITH "RR" ADJACENT IS TO BE DISCONNECTED, REMOVED AND RELOCATED TO NEW LOCATION AND RECONNECTED AS REQUIRED.
	RELOCATED EQUIPMENT SHOWN IN NEW LOCATION.
	EXISTING CONDUIT RUN TO REMAIN. EXISTING CONDUCTORS TO REMAIN UNLESS NOTED OTHERWISE ON DRAWINGS.
	EXISTING CONDUIT RUN TO BE ABANDONED. REMOVE CONDUCTORS AND CAP ENDS OF CONDUIT.
	EXISTING CONDUIT RUN TO BE REWIRED. REFER TO PLANS FOR WIRING REQUIREMENTS.
	EXISTING CONDUIT AND WIRE RUN TO BE COMPLETELY DISCONNECTED AND REMOVED BACK TO LAST REMAINING OUTLET OR DEVICE.
	"X" INDICATES APPROXIMATE POINT OF INTERCEPTION OF EXISTING CONDUIT RUN. CONDUIT TO BE REMOVED AT "X" SIDE OF "X". REMOVE ALL CONDUCTORS PRIOR TO CUTTING CONDUIT. EXACT LOCATION OF ALL CONDUITS SHALL BE FIELD VERIFIED.
	CONDUIT RUN CONCEALED IN WALLS OR UNDER FLOORS.
	CONDUIT RUN EXPOSED.
	CONDUIT RUN UNDERGROUND.
	CONDUIT STUBBED OUT AND CAPPED. PULL LINE IN PLACE.
	CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #12 CURRENT CARRYING CONDUCTORS CONTAINED THEREIN. TWO #12 AND MINIMUM OF ONE #12 GROUND WIRE ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN. NUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE OF CONDUCTORS IN LIEU OF #12. ALL CONDUITS SHALL CONTAIN ONE GROUND WIRE SIZED PER C.E.C. TABLE 250.122. BUT NOT SMALLER THAN #12. WHERE ISOLATED GROUND RECEPTACLES ARE INDICATED, PROVIDE ADDITIONAL #12 GROUND WIRE IN CONDUIT RUNS, CONNECTED FROM ISOLATED GROUND BUS IN PANEL TO DEVICE.
	CONDUIT HOMERUN TO PANELBOARD. LETTER AND NUMERALS INDICATE ELECTRICAL PANEL AND CIRCUIT NUMBER.
	SURFACE MOUNTED BRANCH CIRCUIT PANELBOARD.
	RECESSED BRANCH CIRCUIT PANELBOARD.
	PANEL DESIGNATION.
	SURFACE MOUNTED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS AND SPECIFICATIONS.
	RECESSED COMMUNICATION TERMINAL CABINET. REFER TO DRAWINGS AND SPECIFICATIONS.
	JUNCTION BOX IN ACCESSIBLE CEILING SPACE OR FLUSH IN WALL WITH BLANK COVER PLATE TO MATCH DEVICE PLATES.
	JUNCTION BOX FLUSH FLOOR MOUNTED.
	JUNCTION BOX PEDESTAL TYPE FLOOR MOUNTED.
	THREE PHASE FRACTIONAL OR INTEGRAL HORSEPOWER MOTOR. NUMERAL IN PLACE OF "M" INDICATES HORSEPOWER. (SINGLE LINE DIAGRAM ONLY).
	MOLDED CASE CIRCUIT BREAKER AND NUMBER OF POLES AS INDICATED. "AT" INDICATES TRIP RATING. "AF" INDICATES AMPERE FRAME SIZE. SUBSCRIPT INDICATES TYPE.
	NO SUBSCRIPT - THERMAL MAGNETIC
	NA - NON-AUTOMATIC
	MO - MAGNETIC ONLY
	CL - CURRENT LIMITING
	SS - SOLID STATE
	FUSED SWITCH. "AS" INDICATES AMPERE SWITCH RATING. "AF" INDICATES AMPERE FUSE RATING. NUMBER OF POLES AS INDICATED.

	ENCLOSED VOLTAGE TRANSFORMER PER SPEC'S. COPPER WOUND, DRY TYPE, U.N.O.
	UTILITY METER SOCKET, WITH C.T.'S, CLIPS, ETC., PER SERVING UTILITY COMPANY.
	GROUND, "GRD", "GND".
	BREAKER EQUIPPED WITH THE GROUND FAULT PROTECTION
	"GROUND FAULT INTERRUPTER"
	CEILING LIGHT FIXTURE AND OUTLET. LOWER CASE LETTER INDICATES CIRCUIT. SHADED SYMBOL INDICATES FIXTURE WITH EMERGENCY POWER PROVISIONS.
	LIGHT FIXTURE OUTLET. LOWER CASE LETTER INDICATES CONTROLLING SWITCH, NUMERAL INDICATES CIRCUIT. SHADED CIRCLE DENOTES FIXTURE WITH EMERGENCY POWER PROVISIONS.
	STRIP FIXTURE. LOWER CASE LETTER INDICATES CONTROLLING SWITCH, NUMERAL INDICATES CIRCUIT. SHADED CIRCLE DENOTES FIXTURE WITH EMERGENCY POWER PROVISIONS.
	BRACKET OR WALL MOUNTED SURFACE OR RECESSED LIGHT FIXTURE AND OUTLET, HID, FLUORESCENT OR INCANDESCENT. LOWER CASE LETTER INDICATES CONTROLLING SWITCH, NUMERAL INDICATES CIRCUIT. SHADED CIRCLE DENOTES FIXTURE WITH EMERGENCY POWER PROVISIONS.
	ILLUMINATED EXIT LIGHT FIXTURE. SIDE, BACK, CEILING, OR PENDANT MOUNTED, SINGLE OR DOUBLE FACED AS NOTED BY SHADED ARC, WITH OR WITHOUT DIRECTIONAL ARROW AS NOTED ON THE DRAWINGS. EXIT SIGN SHALL NOT BE USED AS JUNCTION BOX OR "THROUGH-WIRE"
	LOW LEVEL EXIT LIGHT FIXTURE, WALL MOUNTED WITH OR WITHOUT DIRECTIONAL ARROW AS NOTED ON THE DRAWINGS. BOTTOM OF FIXTURE AT +10" ABOVE FINISHED FLOOR AND WITHIN FOUR INCHES OF DOOR FRAME WHERE APPLICABLE.
	LIGHTING FIXTURE IDENTIFICATION SYMBOL. LETTER INDICATES FIXTURE TYPE. NUMERALS IN LOWER HALF OF HEXAGON INDICATE FIXTURE WATTAGE (INCLUDING BALLAST WHERE APPLICABLE). NUMERAL OUTSIDE TOP OF HEXAGON INDICATES NUMBER OF FIXTURES USED FOR LOAD CALCULATIONS. NUMBER OUTSIDE BOTTOM OF HEXAGON INDICATES MOUNTING HEIGHT FROM FLOOR TO BOTTOM OF FIXTURE. OMISSION OF MOUNTING HEIGHT INDICATES CEILING MOUNTING.
	WALL MOUNTED DUAL HEAD EMERGENCY LIGHTING FIXTURE UNIT.
	TELEPHONE OUTLET, 4S DEEP BACKBOX & SINGLE GANG RING. MOUNT PER DETAIL #1 ON E0.1 U.N.O. "W" ADJACENT INDICATES WALL MOUNTED AT SWITCH HEIGHT PER DETAIL #1 ON E0.1 U.N.O. PROVIDE 1" CONDUIT MINIMUM STUBBED UP INTO CEILING SPACE.
	DATA OUTLET, 4S DEEP BACKBOX & SINGLE GANG RING. MOUNT PER DETAIL #1 ON E0.1 U.N.O. PROVIDE 1" CONDUIT MINIMUM STUBBED UP INTO CEILING SPACE.
	HATCH INDICATES PRIMARY SIDELIT DAYLIT ZONE.
	HATCH INDICATES SECONDARY SIDELIT DAYLIT ZONE.
	RECESSED MOUNTED COMBINATION POWER/DATA FLOOR BOX. PROVIDE WITH (2) DUPLEX GROUNDING TYPE RECEPTACLES, 20 AMP, 125 VOLT, 2 POLE, 3 WIRE. FLOOR BOX SHALL BE EQUAL TO LEGRAD #RFB4 SERIES. COORDINATE COVER TYPE WITH THE ARCHITECT PRIOR TO ORDERING.



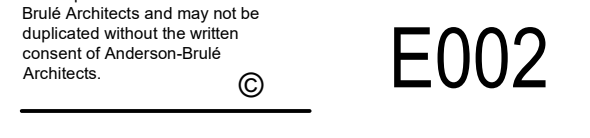
NO.	DATE	REVISIONS

PROJECT TITLE:  
**Altadena Main Library**  
 600 E MARIPOSA STREET  
 ALTADENA, CA 91001

PROJECT NO. 2111010  
 DATE: Issue Date  
 SHEET TITLE:

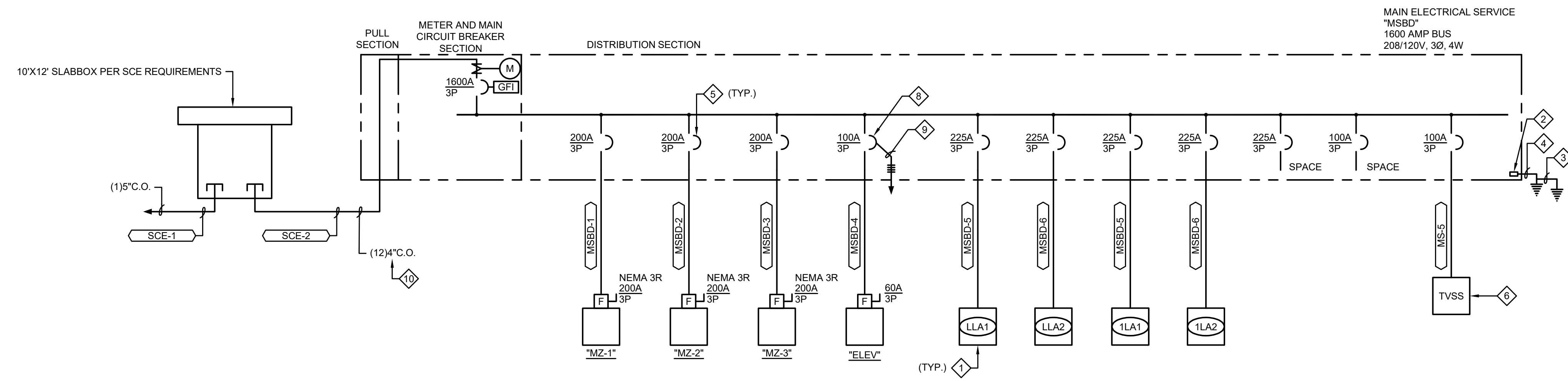
ELECTRICAL SYMBOLS LIST AND ABBREVIATIONS

SCALE: N.T.S.  
 DCCG ENGINEERS  
 Consulting Mechanical and Electrical Engineers  
 4750 E. Ontario Mills Pkwy  
 Ontario, Ca. 91764  
 Ph. 909.987.2011  
 Fax 909.980.7023

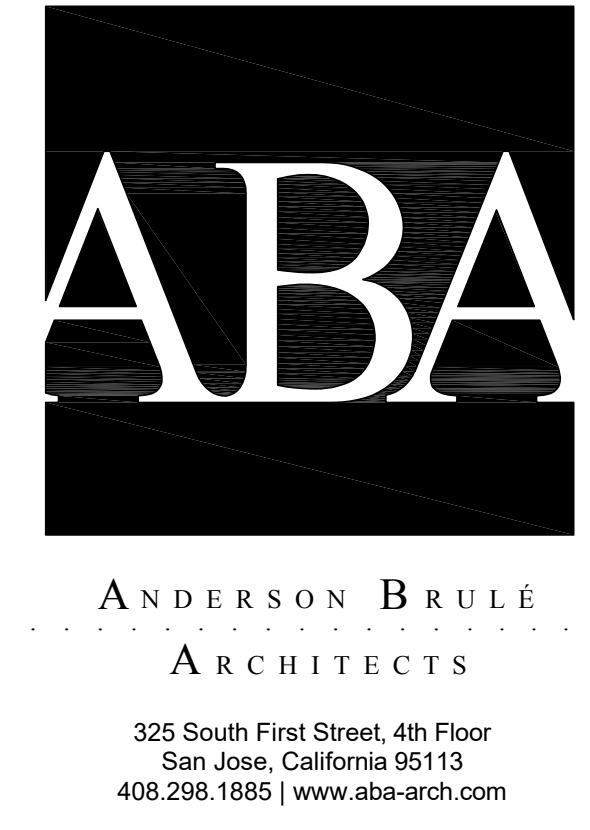








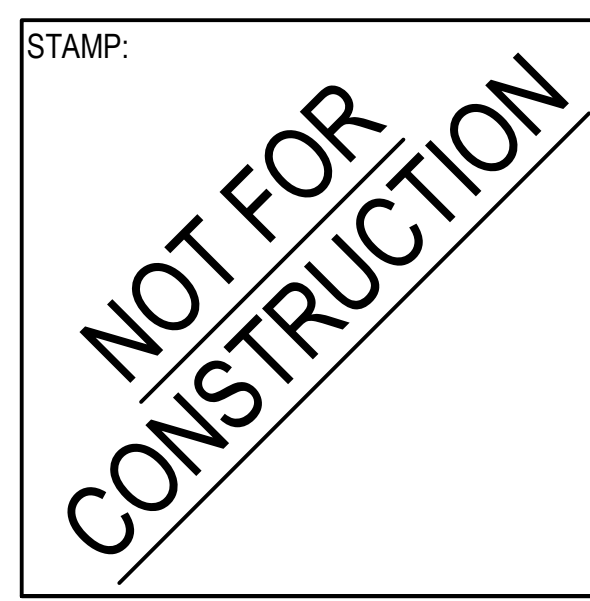
- ### SHEET NOTES
1. PANELBOARDS FOR ENTIRE PROJECT SHALL BE PROVIDED WITH SPACE PROVISIONS FOR BRANCH CIRCUIT ENERGY MONITORING PER CALIFORNIA ENERGY GUIDELINES, TYPICAL U.N.O.
  2. CONTINUOUS COPPER GROUND BUS AND BONDING JUMPER AT MAIN SERVICE. THIS SHALL BE THE CENTRAL GROUND POINT FOR THE PROJECT. NO OTHER GROUND POINTS MAY BE USED.
  3. INSTALL 1" CONDUIT & 1#4/0 TO ACCESSIBLE COLD WATER & GAS LINES WITHIN 5' OF LINES ENTERING BUILDING. BOND TO BUILDING STEEL USING EXOTHERMIC WELD PROCESS & APPROVED GROUNDING CLAMPS TO BUILDING WATER & GAS LINES.
  4. INSTALL 1" C. WITH 1#250 MCM GROUNDING ELECTRODE CONDUCTOR TO "UFER" GROUND SYSTEM CABLE. UFER GROUND SYSTEM SHALL BE A MINIMUM OF 40' OF 250 MCM BARE COPPER GROUND IN BUILDING FOOTINGS.
  5. ALL CIRCUIT BREAKERS SHALL BE FULLY RATED. NO SERIES RATED CIRCUIT BREAKER SHALL BE USED, TYPICAL.
  6. PROVIDE AND INSTALL TRANSIENT VOLTAGE SURGE SUPPRESSION FILTER EQUAL TO CURRENT TECHNOLOGY #TG3-200-480-3Y-SN-T/B-MI-F23.
  7. FURNISH GROUND BUS IN EACH BRANCH CIRCUIT PANEL. ALL PANELS 208/120 VOLT, SHALL HAVE THE FEEDER EQUIPMENT GROUNDING CONDUCTOR CONNECTED TO GROUND BUS. FURNISH EQUIPMENT GROUNDING CONDUCTORS IN EVERY FEEDER AND BRANCH CIRCUIT. RUN TO LAST OUTLET AND CONNECT TO BUS. CONDUIT GROUND IS NOT ACCEPTABLE AS A SUBSTITUTE. TYPICAL ALL PANELS, SWITCHBOARDS, DISTRIBUTION PANELBOARDS, AND SWITCHGEAR.
  8. PROVIDE SHUNT-TRIP CIRCUIT BREAKER AT ELEVATOR AND CONNECT TO BUILDING FIRE ALARM SYSTEM TO DISCONNECT POWER PRIOR TO THE FLOW OF FIRE SPRINKLER WATER PER NFPA 72-21.4 & ASME 17.1.
  9. EXTEND 3/4" CONDUIT AND WIRING TO FIRE ALARM CONTROL PANEL.
  10. COORDINATE WITH SCE FOR SERVICE PATHWAY TO SWITCHGEAR AND PROVIDE CONDUITS AS NEED OR CABLE TRENCH PER SCE REQUIREMENTS.



CONSULTANTS LOGO:

DIST. BOARD: MSBD		LOAD SUMMARY & FEEDER SCHEDULE		VOLTAGE: 208/120V,3P,4W									
BRANCH: NORMAL				MIN. BUS: 1,600 AMPS									
ENCLOSURE: NEMA-3R				** MCB TRIP: 1,600 AMPS									
AIC RATING: 42,000 AIC SYM. MINIMUM													
FEEDER NUMBER	FEEDER		NO. OF SETS	CONDUIT (INCHES)	CONDUCTORS (AWG)	GROUND (AWG)	DEMAND LOAD		CONNECTED LOAD		FEEDER LENGTH*	VOLTAGE DROP	REMARKS
	FROM	TO					AMPS	KVA	AMPS	KVA			
MSBD-1	MSBD	"MZ-1"	1	2 1/2"	3 # 4/0	4	120.19	43.30	120.19	43.30			
MSBD-2	MSBD	"MZ-2"	1	2 1/2"	3 # 4/0	4	120.19	43.30	120.19	43.30			
MSBD-3	MSBD	"MZ-3"	1	2 1/2"	3 # 4/0	4	120.19	43.30	120.19	43.30			
MSBD-4	MSBD	ELEV.	1	1 1/2"	3 # 1	8							
MSBD-5	MSBD	LLA1	1	2 1/2"	4 # 4/0	4							
MSBD-6	MSBD	LLA2	1	2 1/2"	4 # 4/0	4							
MSBD-7	MSBD	1LA1	1	2 1/2"	4 # 4/0	4							
MSBD-8	MSBD	1LA2	1	2 1/2"	4 # 4/0	4							
MSBD-9	MSBD												
MSBD-10	MSBD												
MSBD-11	MSBD												
MSBD-12	MSBD												
MSBD-13	MSBD												
MSBD-14	MSBD												
MSBD-15	MSBD												
							360.57	129.90	SUBTOTAL				
							360.57	129.90	25% OF LARGEST MOTOR				
							360.57	129.90	TOTAL LOAD				

\* FEEDER LENGTH IN FEET IS INDICATED FOR VOLTAGE DROP CALCULATION ONLY AND SHALL NOT BE USED FOR QUANTITY TAKEOFFS.  
 \*\* MCB = MAIN CIRCUIT BREAKER    \*\* MLO = MAIN LUGS ONLY



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PROJECT TITLE:

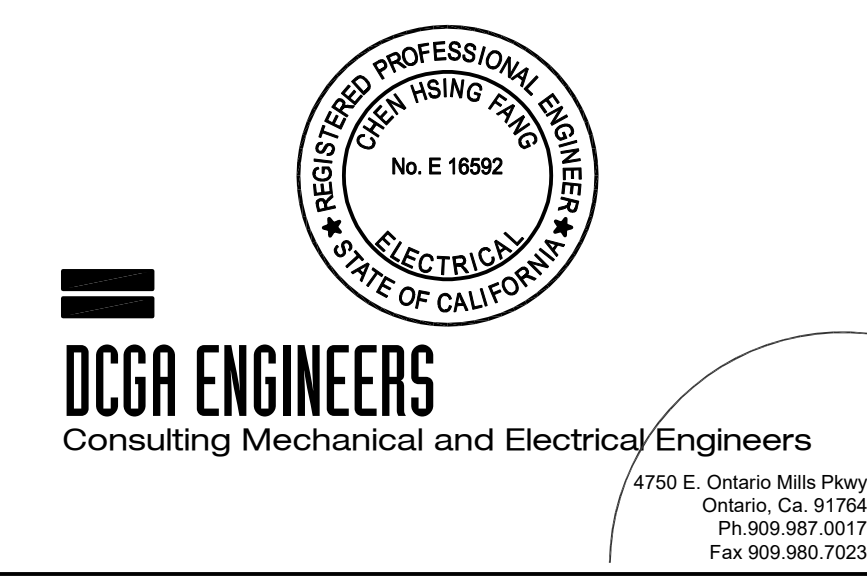
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PROJECT NO. 2111010  
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 SHEET TITLE:

**SINGLE LINE DIAGRAM AND FEEDER SCHEDULE**

SCALE: N.T.S.



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**E004**



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CONSULTANTS LOGO:

Table with columns for Size-Ampacity, Copper AWG 12 (Max ampacity - 25 amps 60°), Copper AWG 10 (Max ampacity - 30 amps 60°), and Amps. Rows include Strands, Phase, Voltage, and Amps (1-100).

BRANCH CIRCUIT VOLTAGE DROP CALCULATION

VD = (2 \* L \* R \* I) / 1000

- VD = VOLTAGE DROP
V = VOLTAGE
L = ONE WAY LENGTH OF CONDUCTOR
R = CONDUCTOR RESISTANCE IN OHMS PER THOUSAND FEET
I = LOAD CURRENT (AMPERES)

NOTICE TO CONTRACTOR: THIS BRANCH CIRCUIT VOLTAGE DROP SCHEDULE IS TO BE USED WHEN SIZING CONDUCTORS FOR ACTUAL INSTALLED FIELD CONDITION...

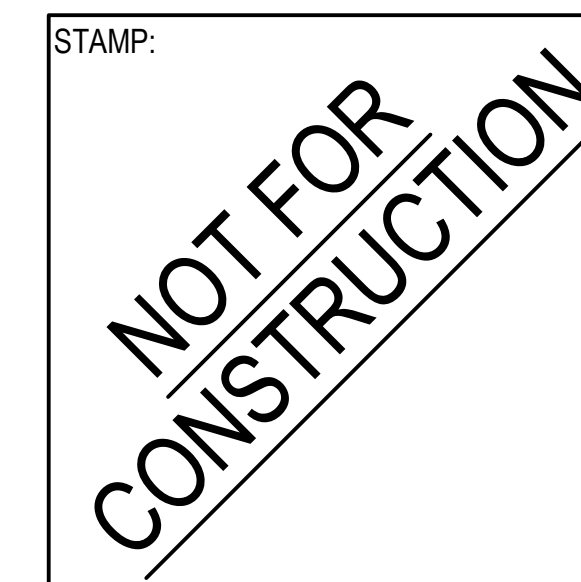


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PROJECT TITLE:

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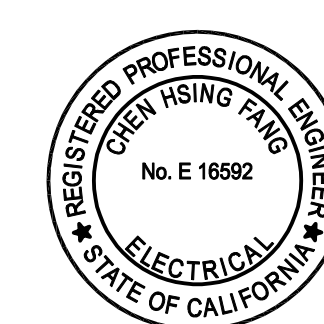
PROJECT NO. 211100

DATE: Issue Date

SHEET TITLE:

BRANCH CIRCUIT VOLTAGE DROP CALCULATIONS

SCALE: N.T.S.



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E005

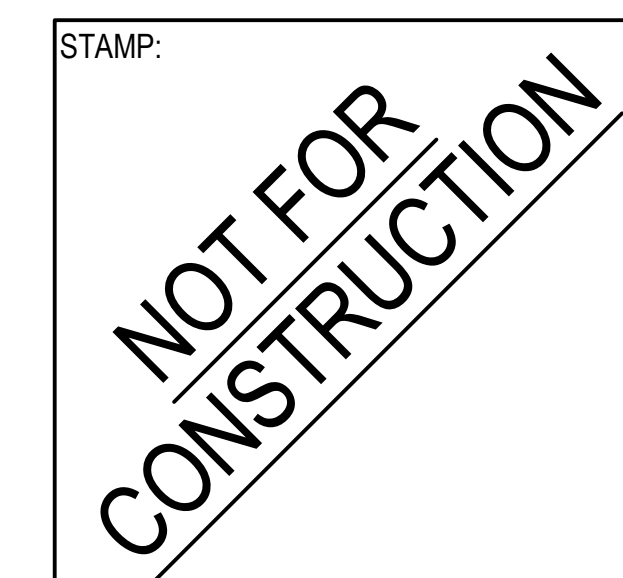
SHEET NOTES



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PROJECT TITLE:

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PROJECT NO. 2111010

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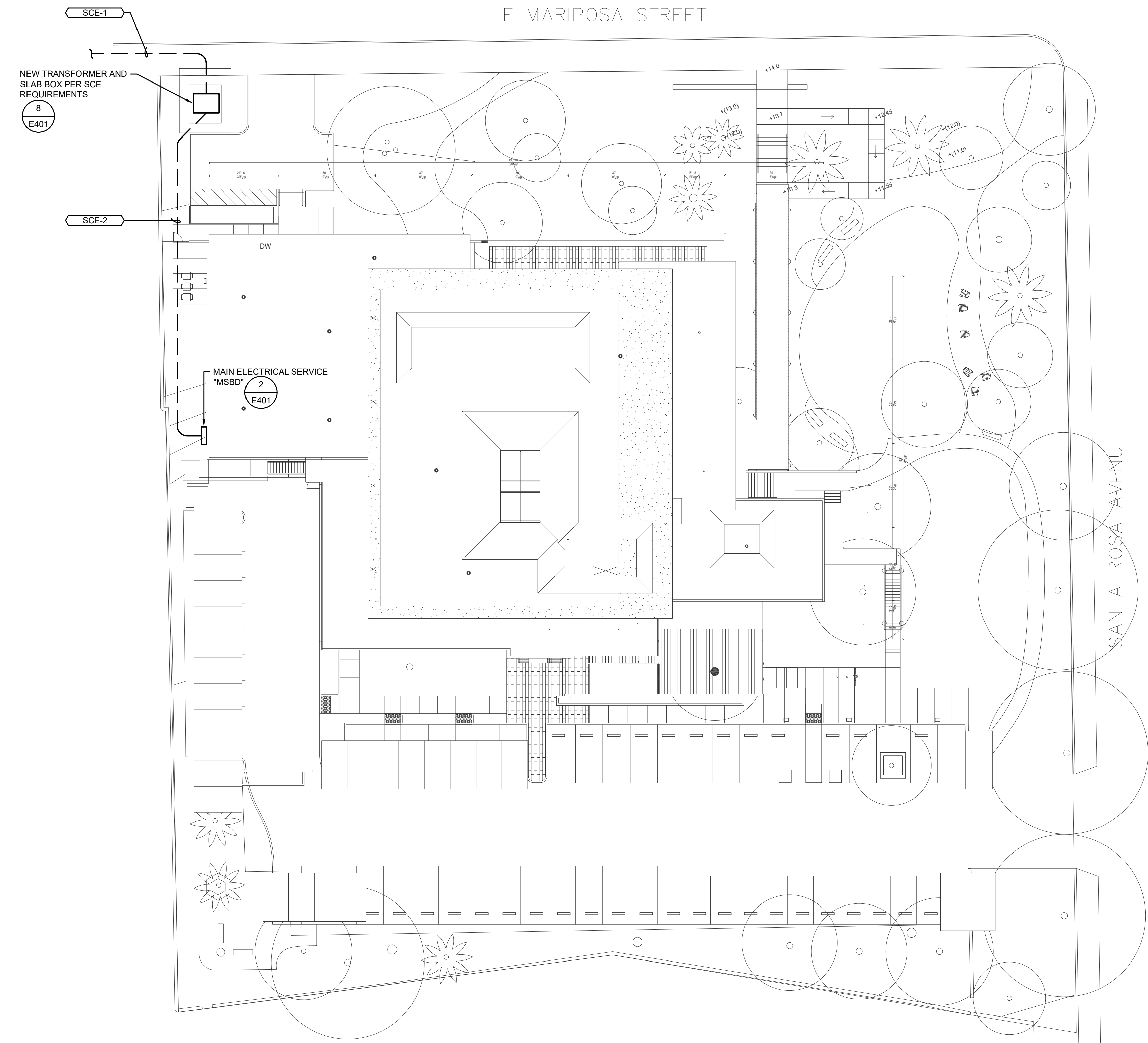
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**ELECTRICAL  
SITE PLAN**

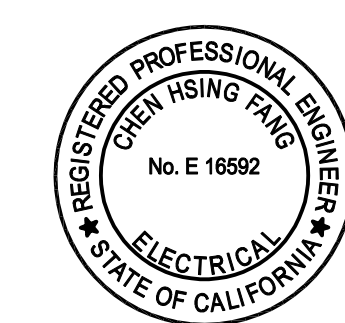
SCALE: N.T.S.

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**E111**



**1** ELECTRICAL SITE PLAN  
1" = 20'-0"



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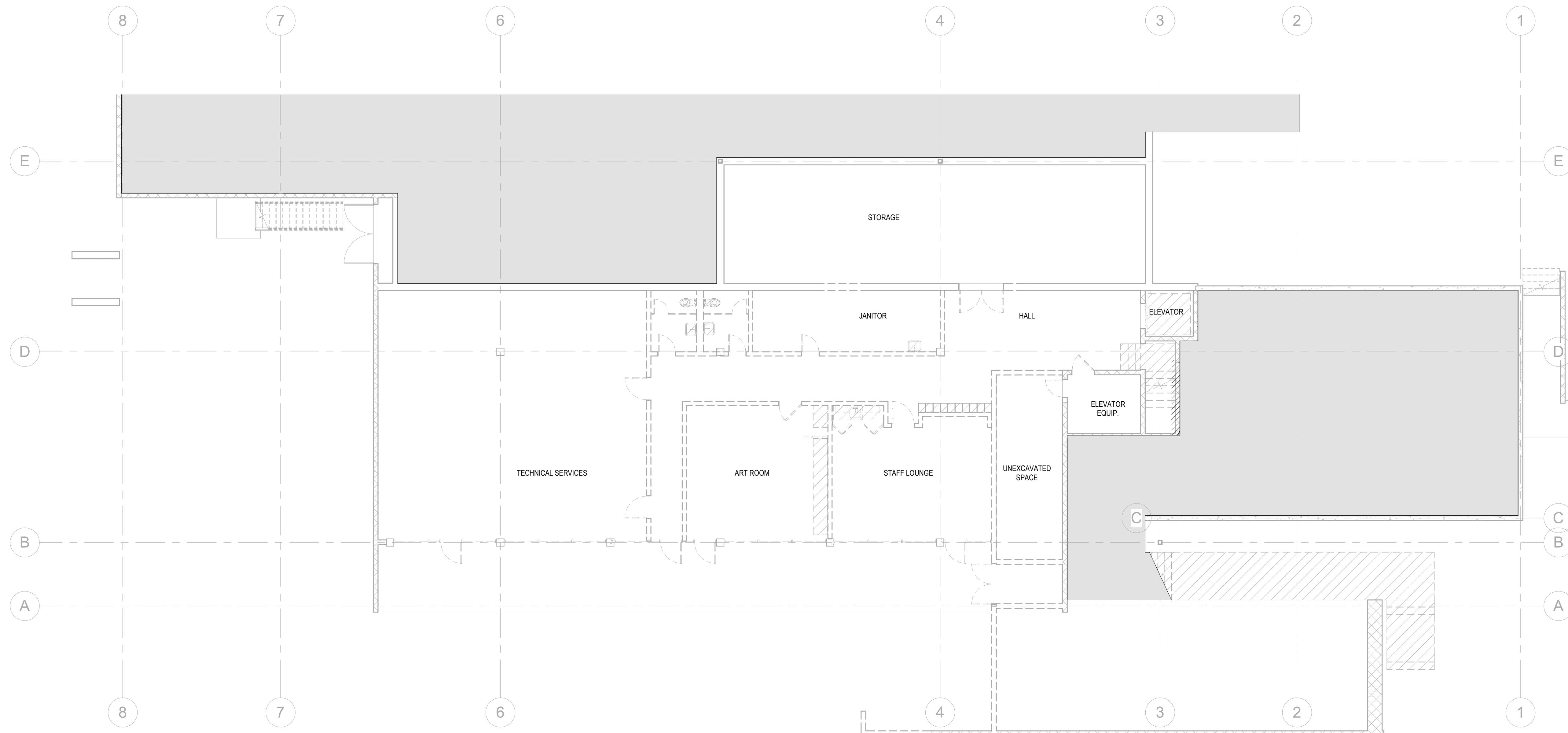
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Ontario, Ca. 91764  
Ph: 909.387.0017  
Fax: 909.380.7023



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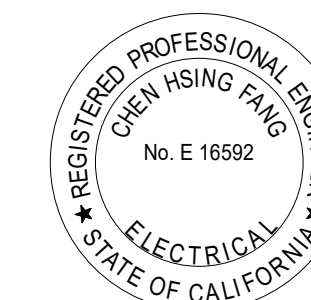
**LOWER LEVEL ELECTRICAL DEMOLITION PLAN**

SCALE: 1/8" = 1'-0"

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E200

**1** LOWER LEVEL ELECTRICAL DEMOLITION PLAN  
1/8" = 1'-0"



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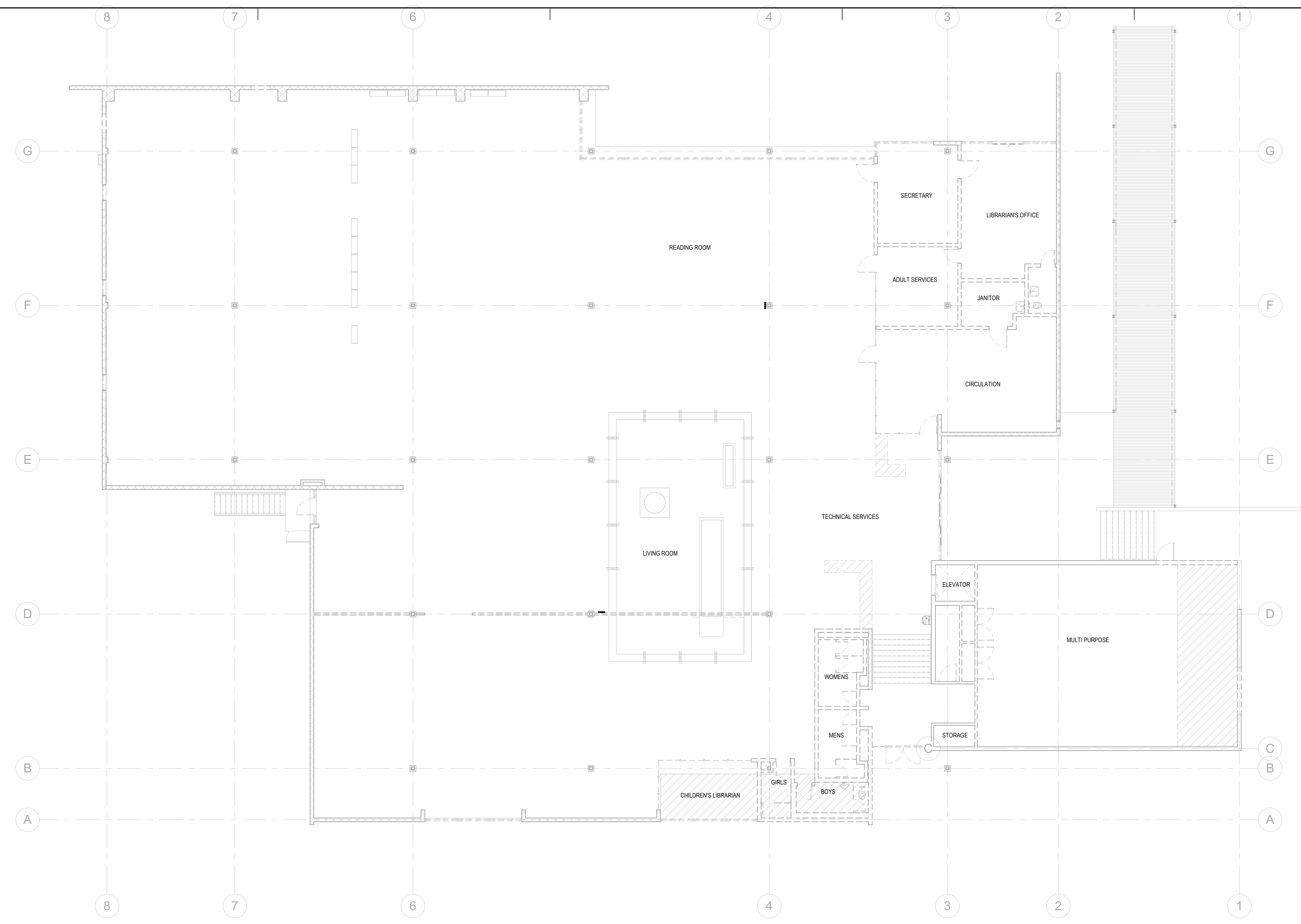
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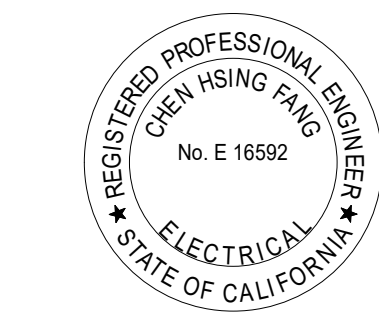
PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**MAIN LEVEL ELECTRICAL DEMOLITION PLAN**

SCALE: 1/8" = 1'-0"

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**1** MAIN LEVEL ELECTRICAL DEMOLITION PLAN  
1/8" = 1'-0"



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SHEET NOTES

- ◆ MOUNT LIGHT FIXTURES UNDER CABINETS. COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- ◆ LIGHT FIXTURE SHALL BE MOUNTED ON TOP OF GYP SHELF. REFER TO DETAIL #12/A&07 FOR LOCATION.



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NO.	DATE	REVISIONS

PROJECT TITLE:

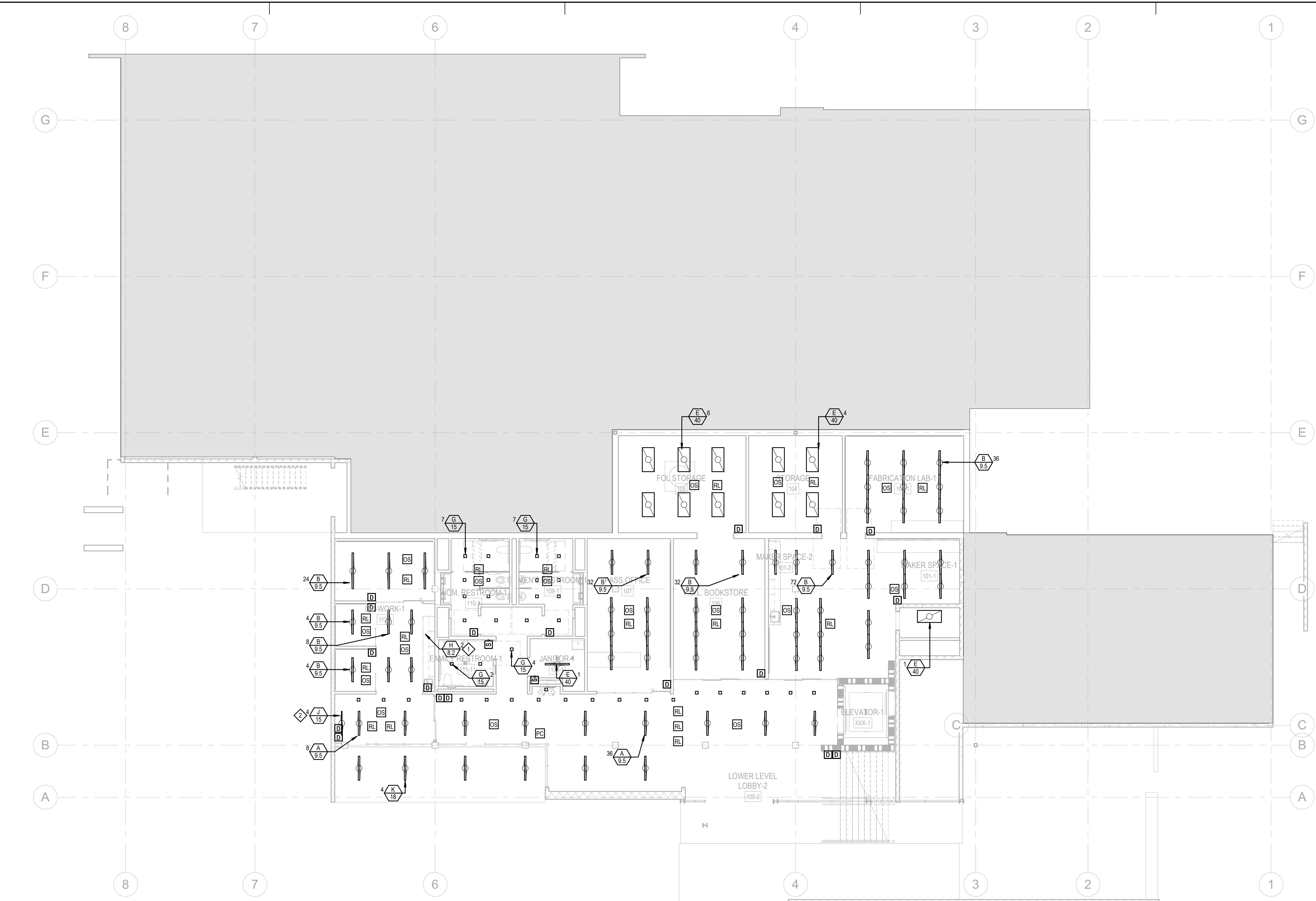
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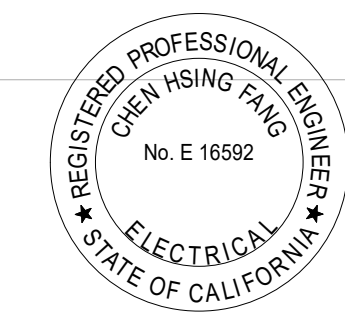
**LOWER LEVEL LIGHTING PLAN**

SCALE: 1/8" = 1'-0"

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**1 LOWER LEVEL LIGHTING PLAN**  
1/8" = 1'-0"



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NO.	DATE	REVISIONS

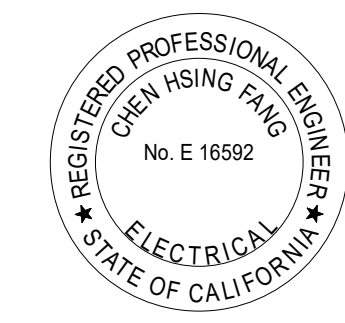
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PROJECT NO. 2111010  
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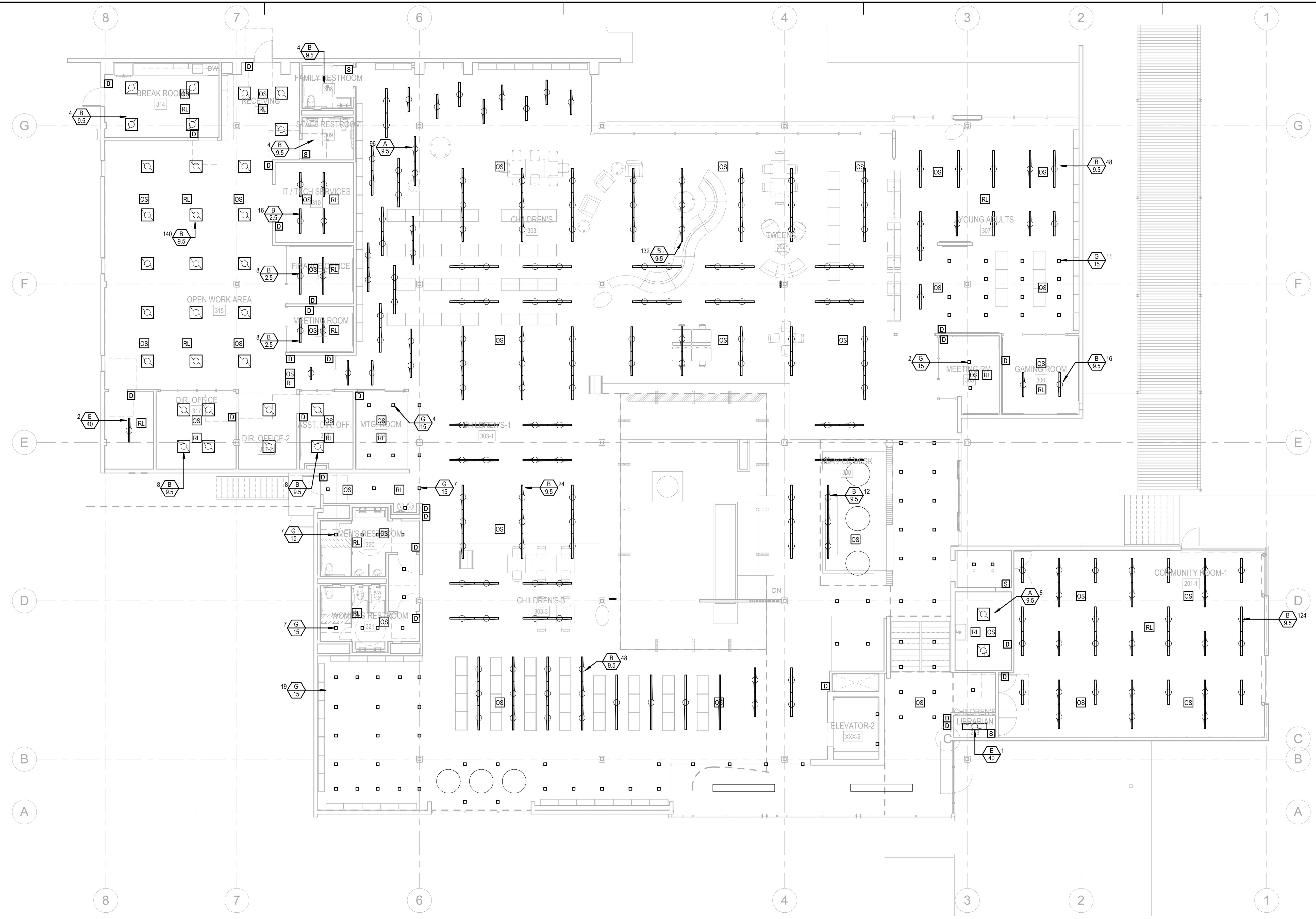
**MAIN LEVEL LIGHTING PLAN**

SCALE: 1/8" = 1'-0"

E203



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**1 MAIN LEVEL LIGHTING PLAN**  
1/8" = 1'-0"

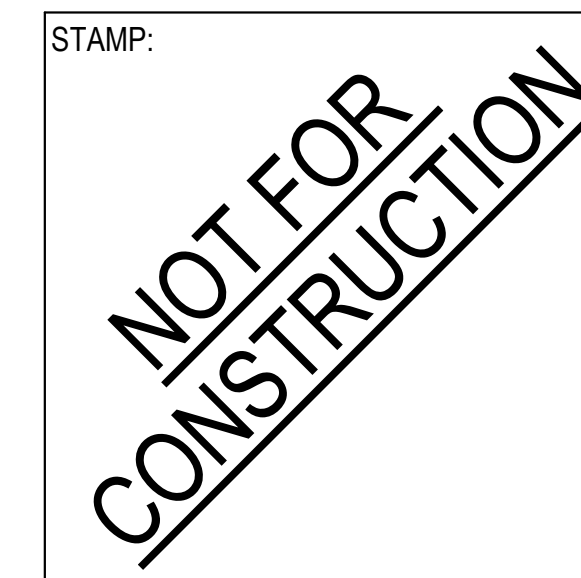
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PROJECT TITLE:

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DATE: Issue Date

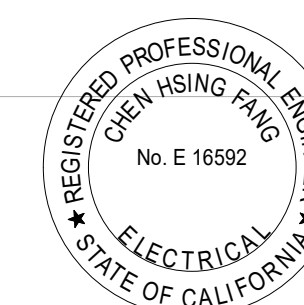
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**LOWER LEVEL POWER PLAN**

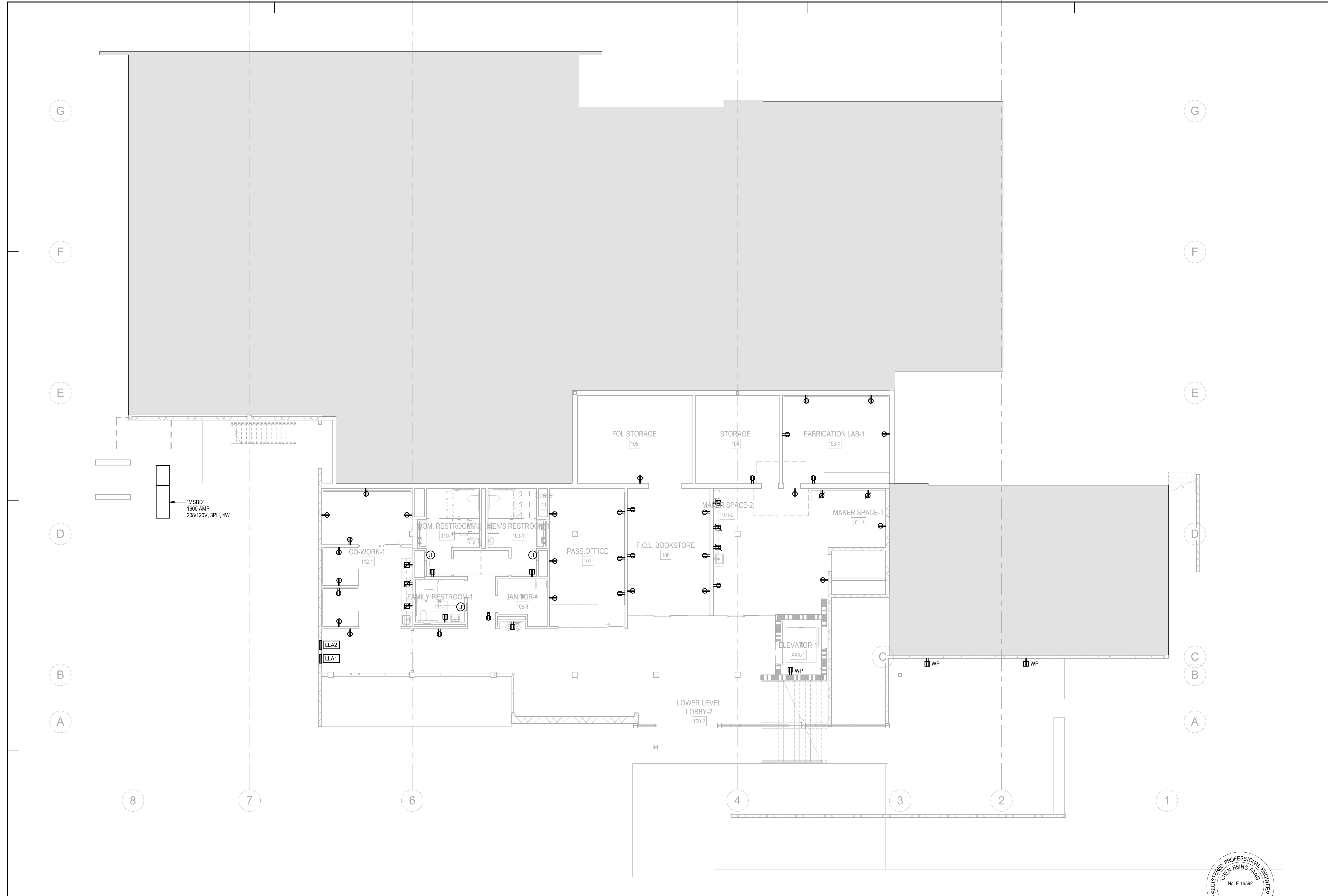
SCALE: 1/8" = 1'-0"

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**1** LOWER LEVEL POWER PLAN  
1/8" = 1'-0"

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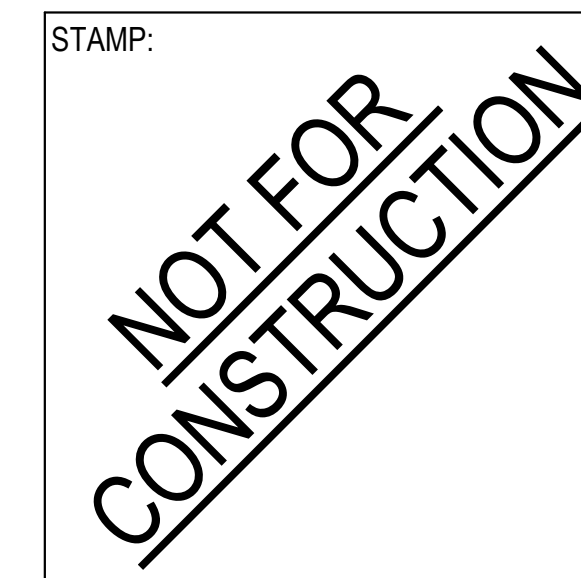




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PROJECT TITLE:

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PROJECT NO. 2111010

DATE: Issue Date

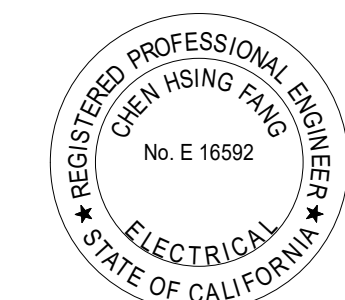
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**MAIN LEVEL POWER PLAN**

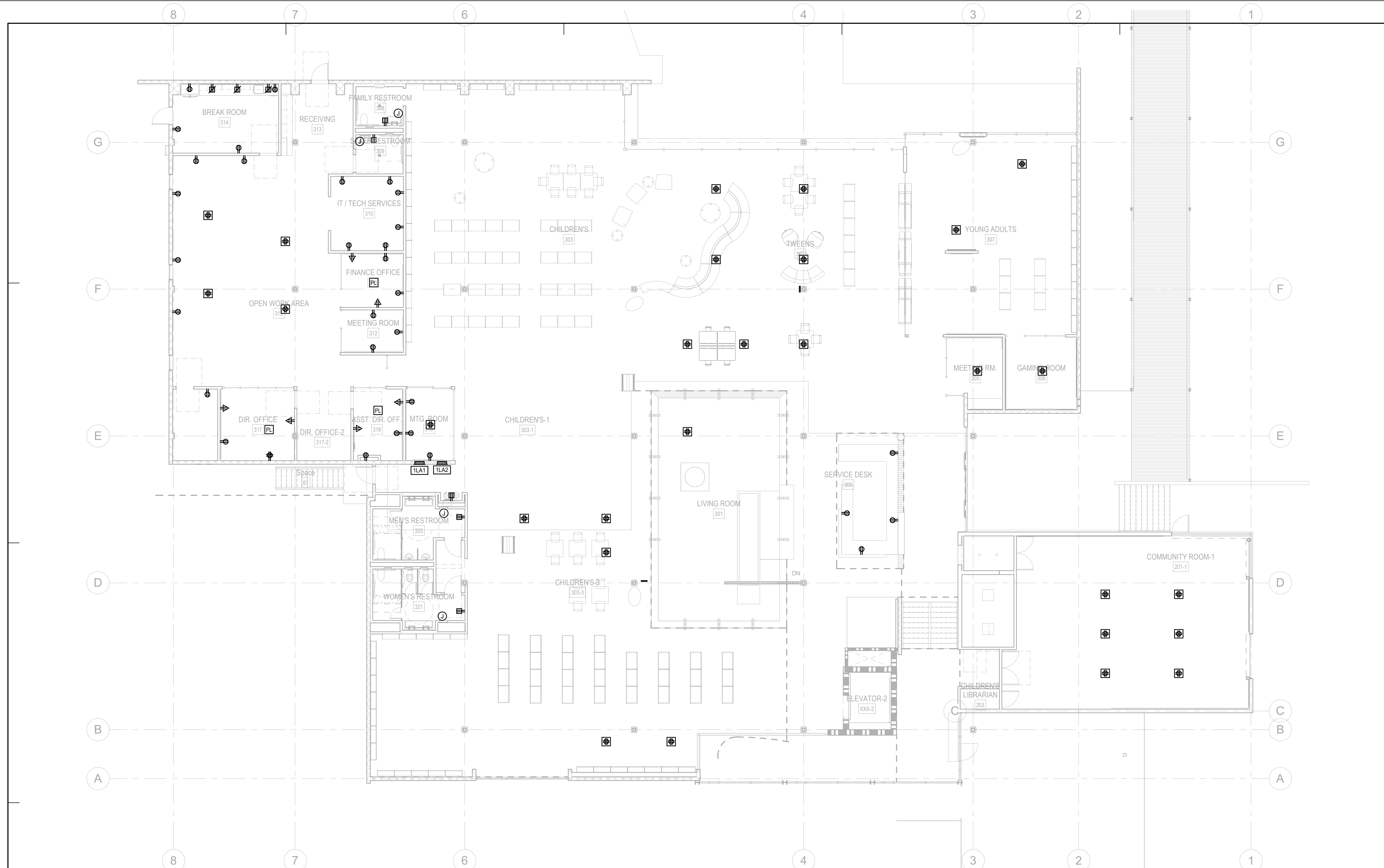
SCALE: 1/8" = 1'-0"

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**1 MAIN LEVEL POWER PLAN**  
1/8" = 1'-0"

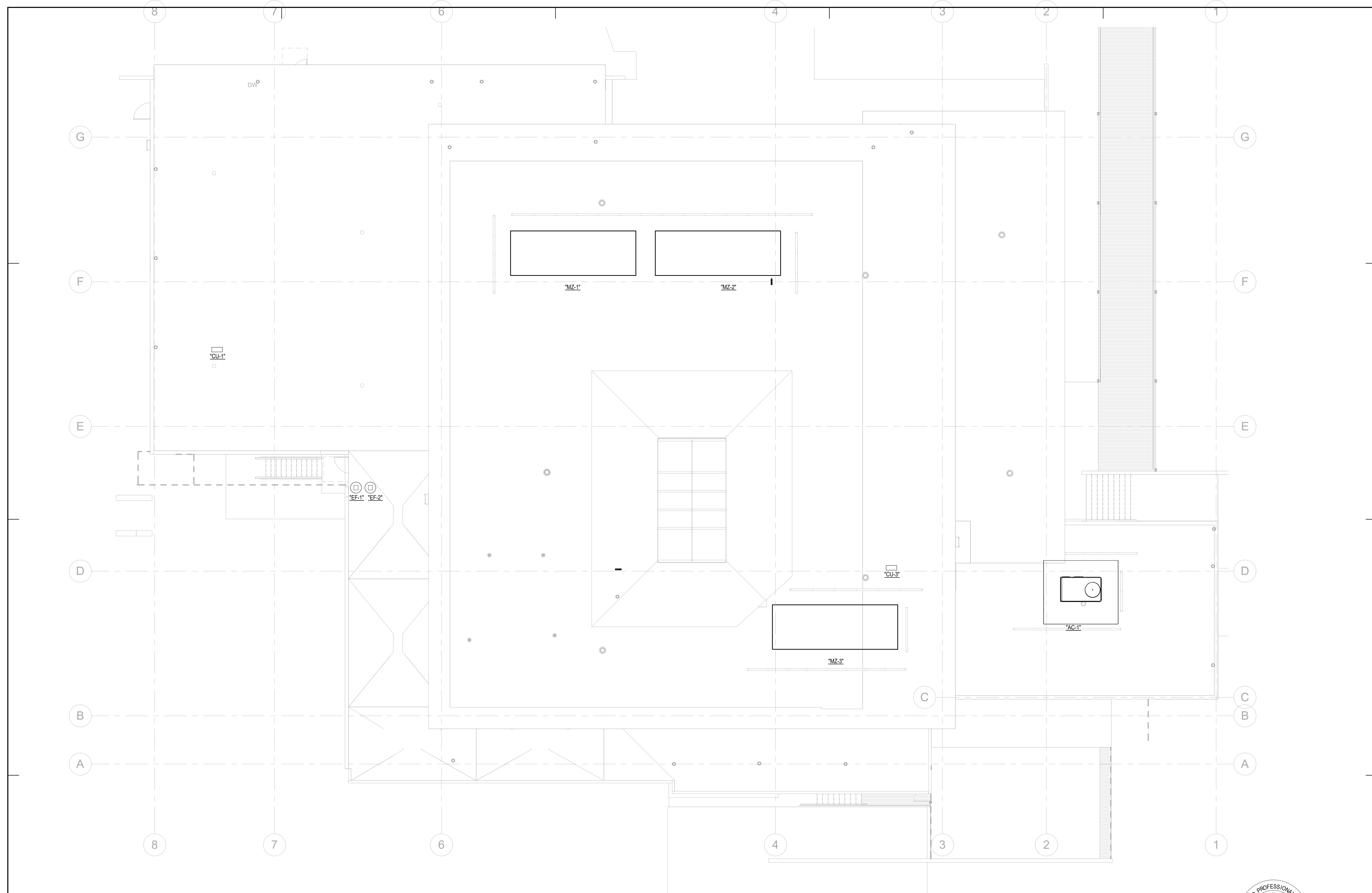
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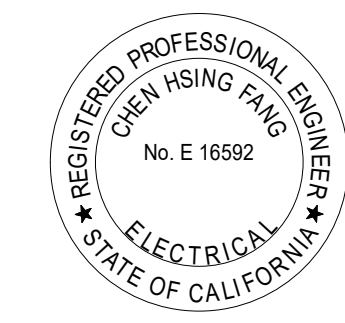
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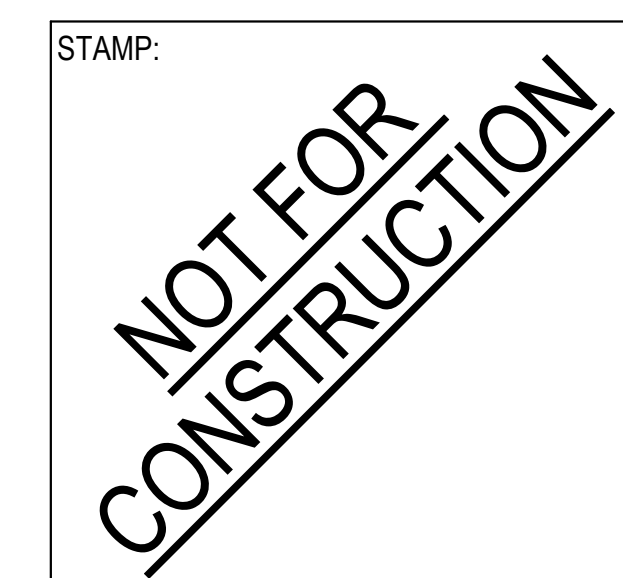


1 ELECTRICAL ROOF PLAN  
1/8" = 1'-0"

11/15/2023 3:45:15 PM



**DCGA ENGINEERS**  
Consulting Mechanical and Electrical Engineers  
4750 E. Ontario Mills Pkwy  
Ontario, CA 91764  
Ph: 909.987.0017  
Fax: 909.980.7023



NO.	DATE	REVISIONS

PROJECT TITLE:  
**Altadena Main Library**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**ELECTRICAL ROOF PLAN**

SCALE: 1/8" = 1'-0"

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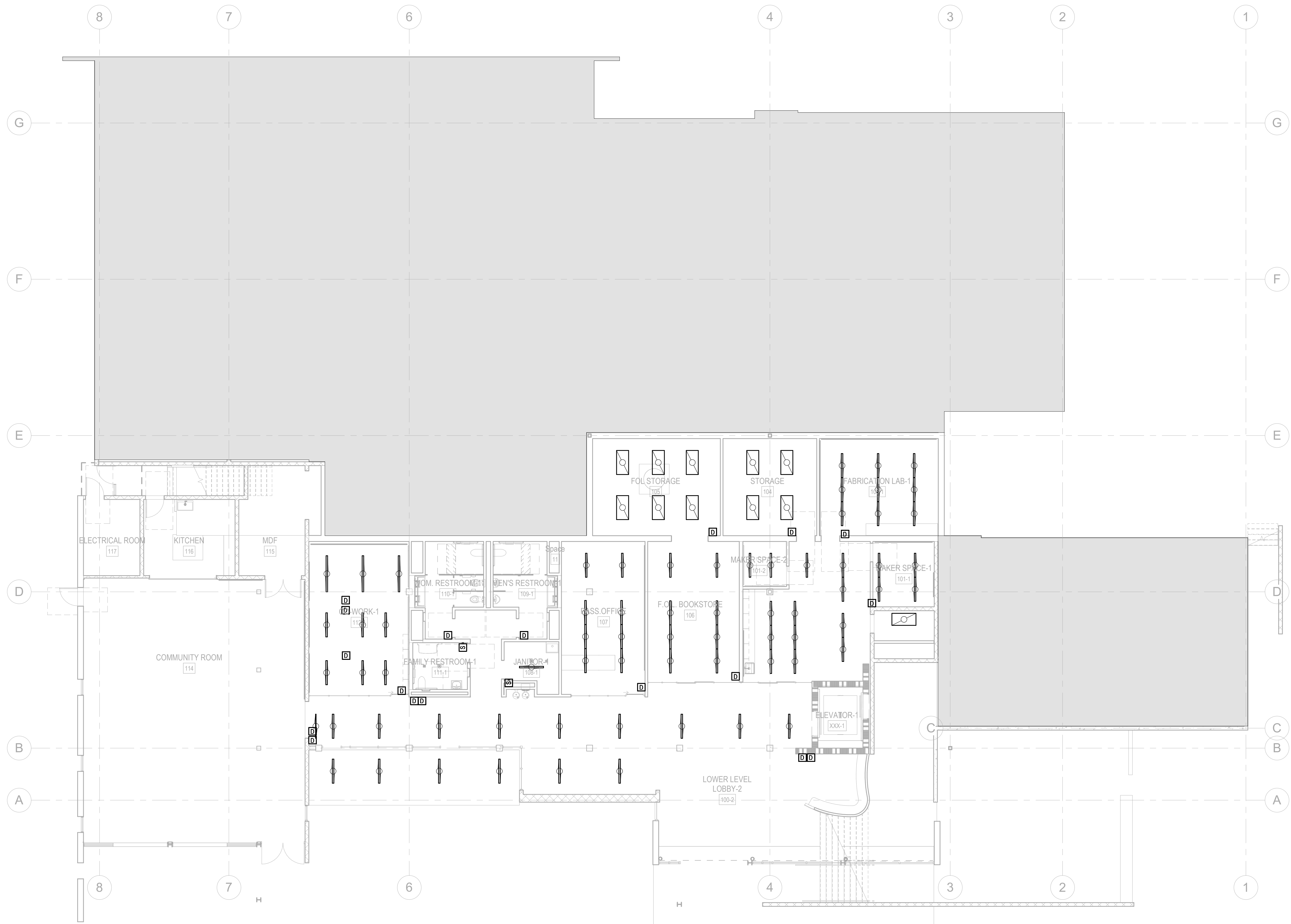
E206



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1 LOWER LEVEL LIGHTING PLAN - ADD ALTS  
1/8" = 1'-0"

STAMP:  
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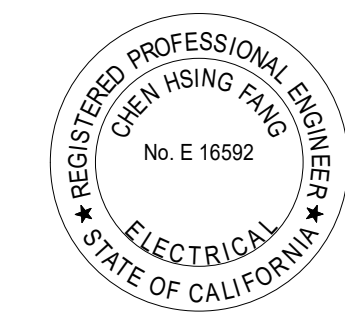
NO.	DATE	REVISIONS

PROJECT TITLE:  
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ALTADENA, CA 91001

PROJECT NO. 2111010  
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SHEET TITLE:

**LOWER LEVEL LIGHTING PLAN - ADD ALTS**

SCALE: 1/8" = 1'-0"



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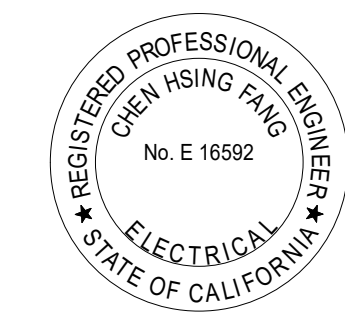
PROJECT TITLE:  
**Altadena Main Library**  
 600 E MARIPOSA STREET  
 ALTADENA, CA 91001

PROJECT NO. 2111010  
 DATE: Issue Date  
 SHEET TITLE:

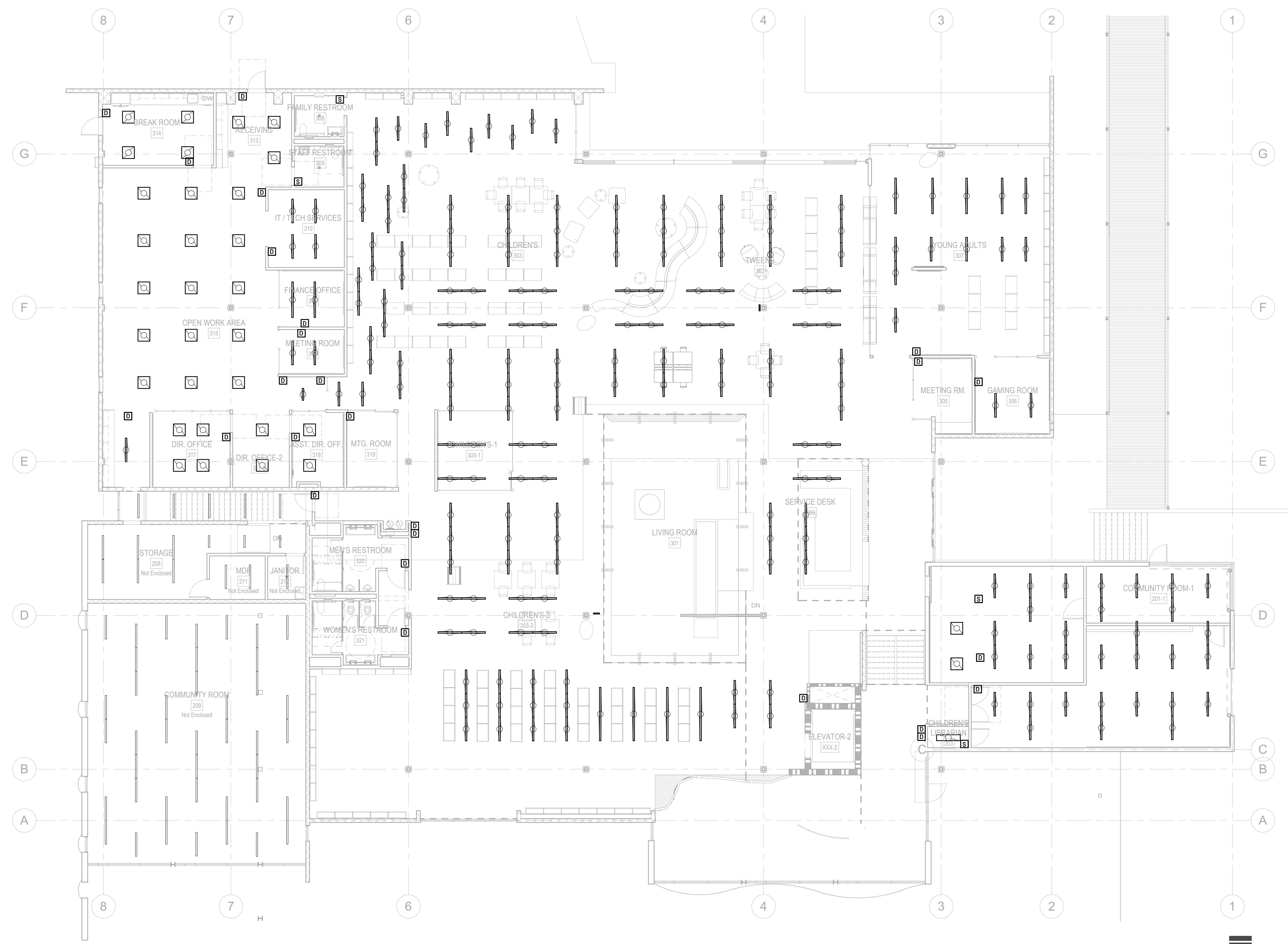
**MAIN LEVEL LIGHTING PLAN - ADD ALTS**

SCALE: 1/8" = 1'-0"

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 Ontario, CA. 91764  
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**1 MAIN LEVEL LIGHTING PLAN - ADD ALTS**  
 1/8" = 1'-0"

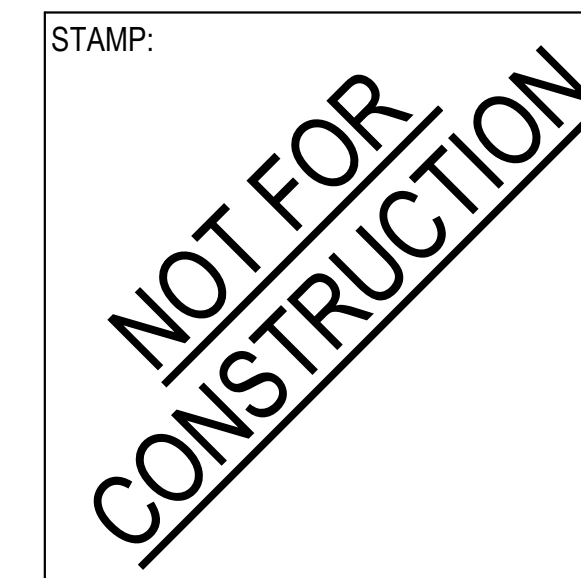
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NO.	DATE	REVISIONS

PROJECT TITLE:

Altadena Main Library

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: Issue Date

SHEET TITLE:

LOWER LEVEL  
POWER PLAN - ADD  
ALTS

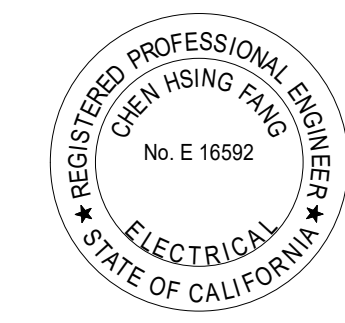
SCALE: 1/8" = 1'-0"

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1 LOWER LEVEL POWER PLAN - ADD ALTS  
1/8" = 1'-0"



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Ph: 909.987.0017  
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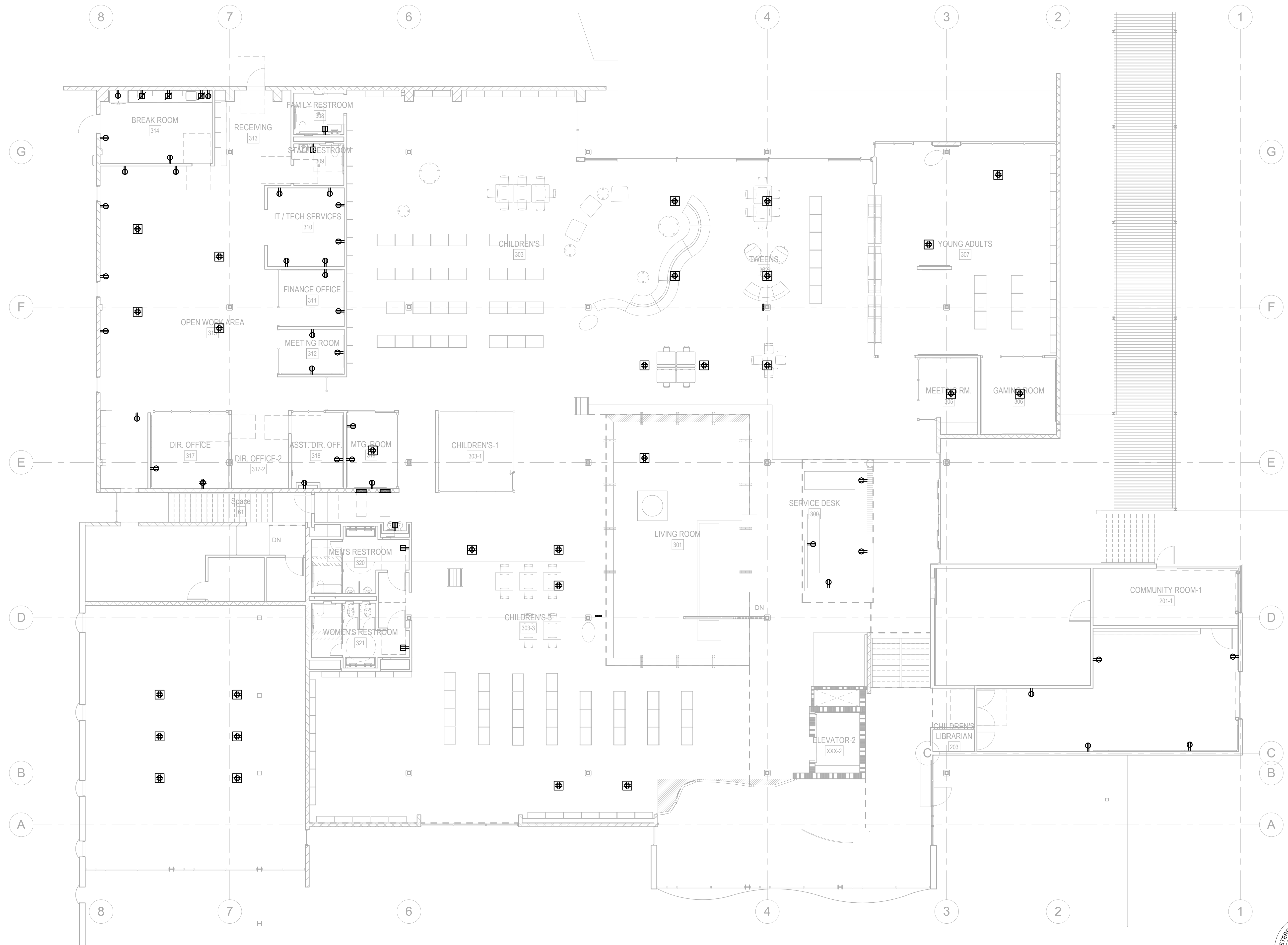
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1 MAIN LEVEL POWER PLAN - ADD ALTS  
1/8" = 1'-0"

STAMP:  
**NOT FOR CONSTRUCTION**

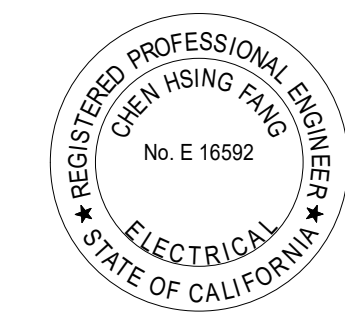
NO.	DATE	REVISIONS

PROJECT TITLE:  
**Altadena Main Library**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: Issue Date  
SHEET TITLE:

**MAIN LEVEL POWER PLAN - ADD ALTS**

SCALE: 1/8" = 1'-0"

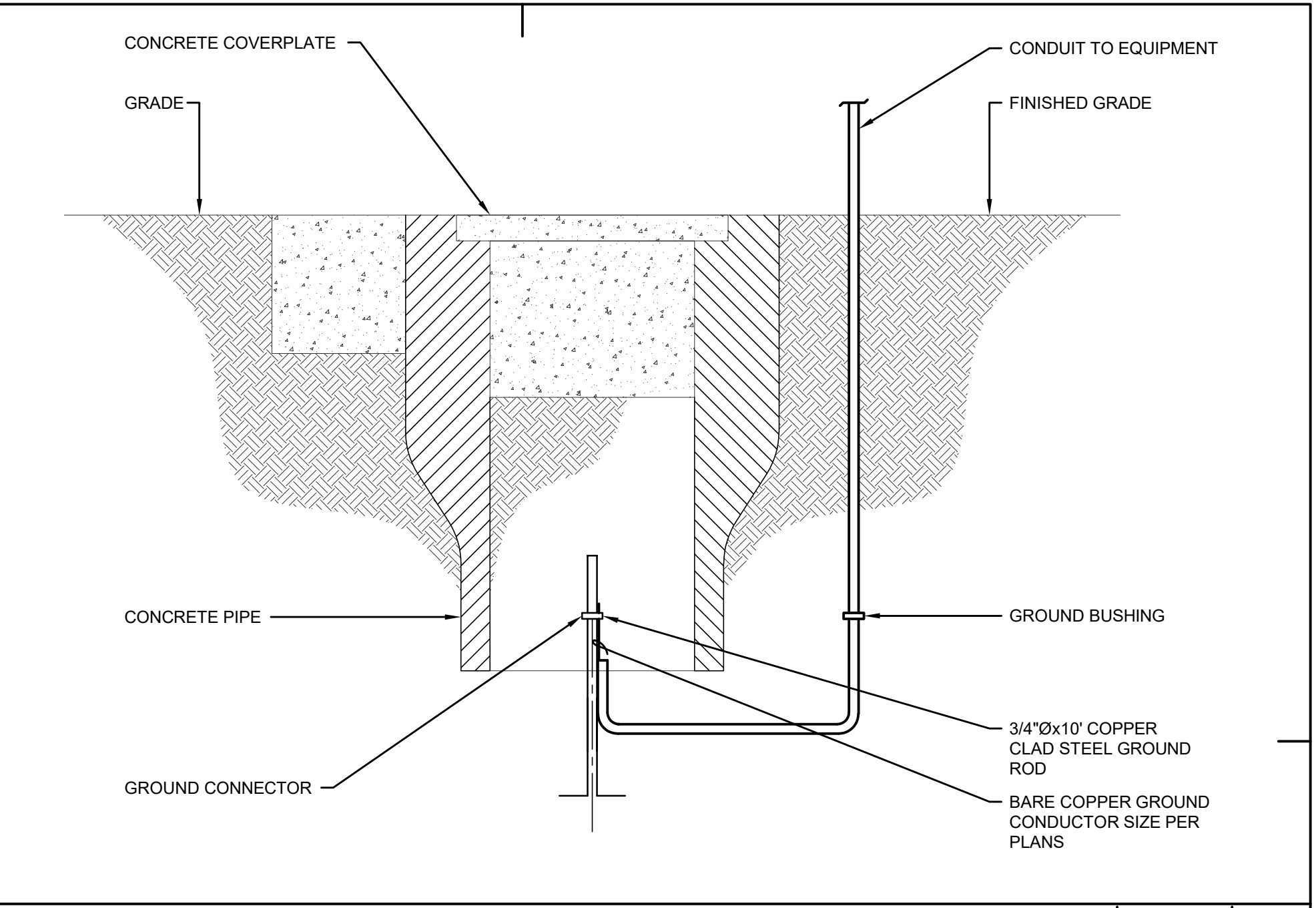
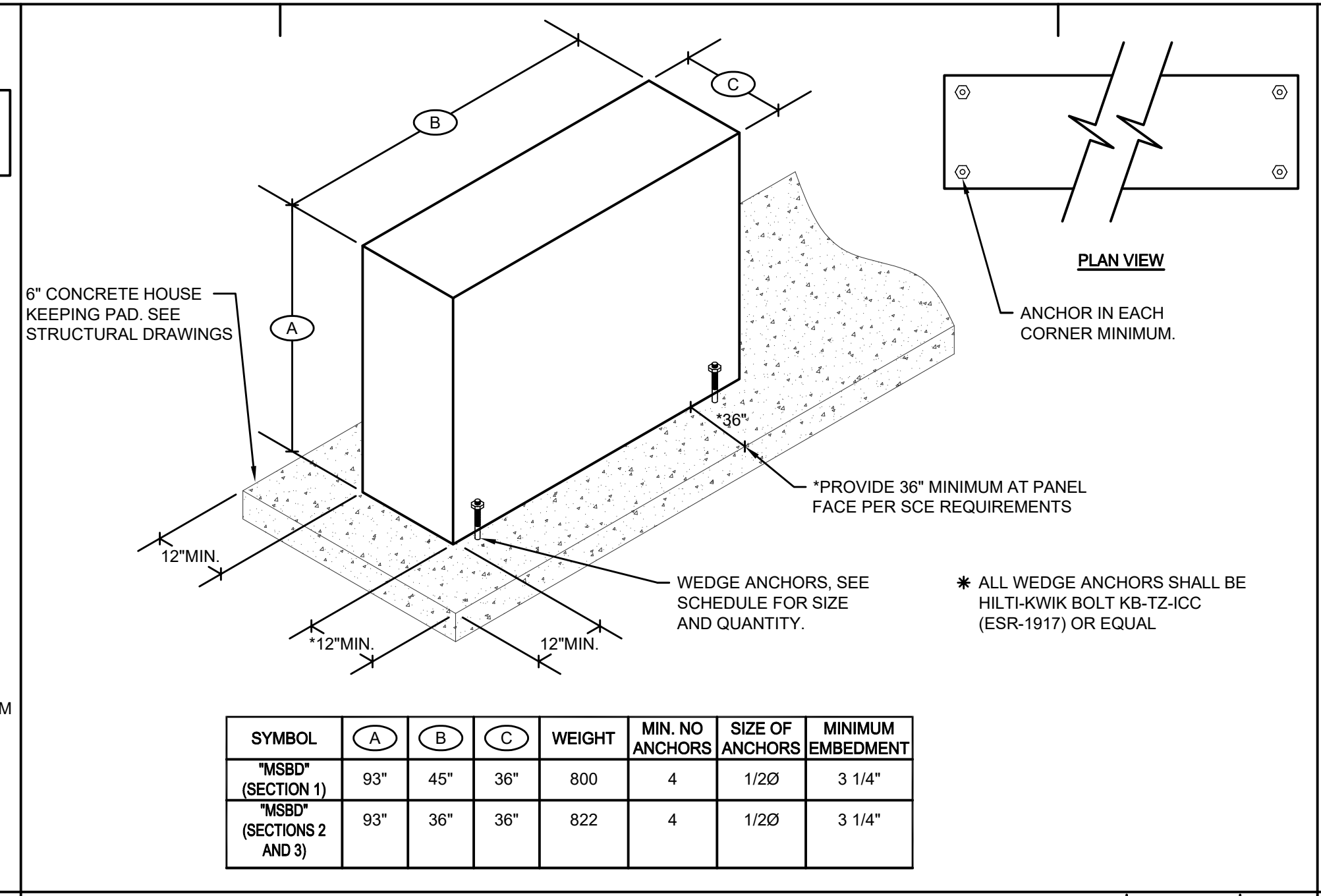
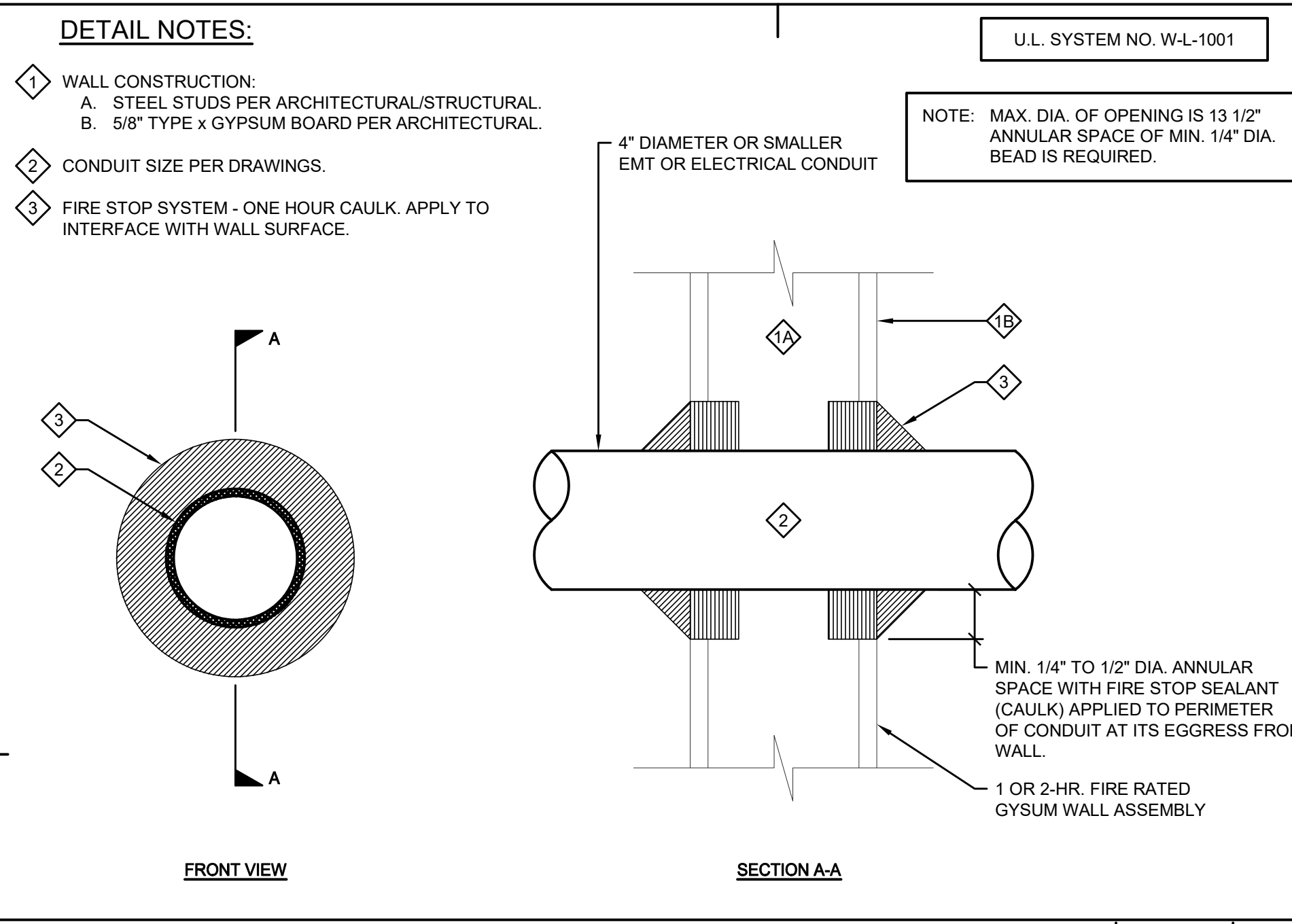


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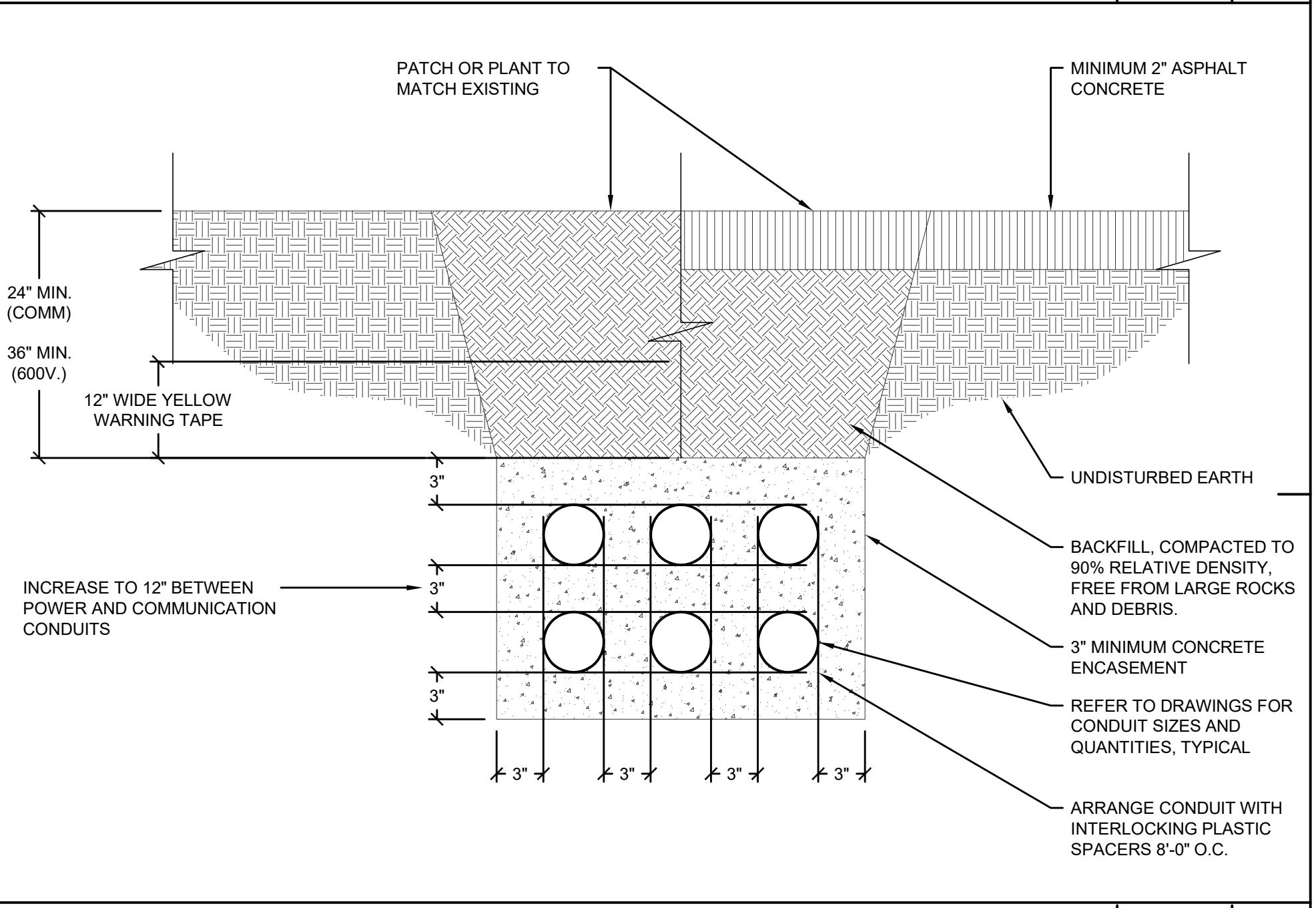
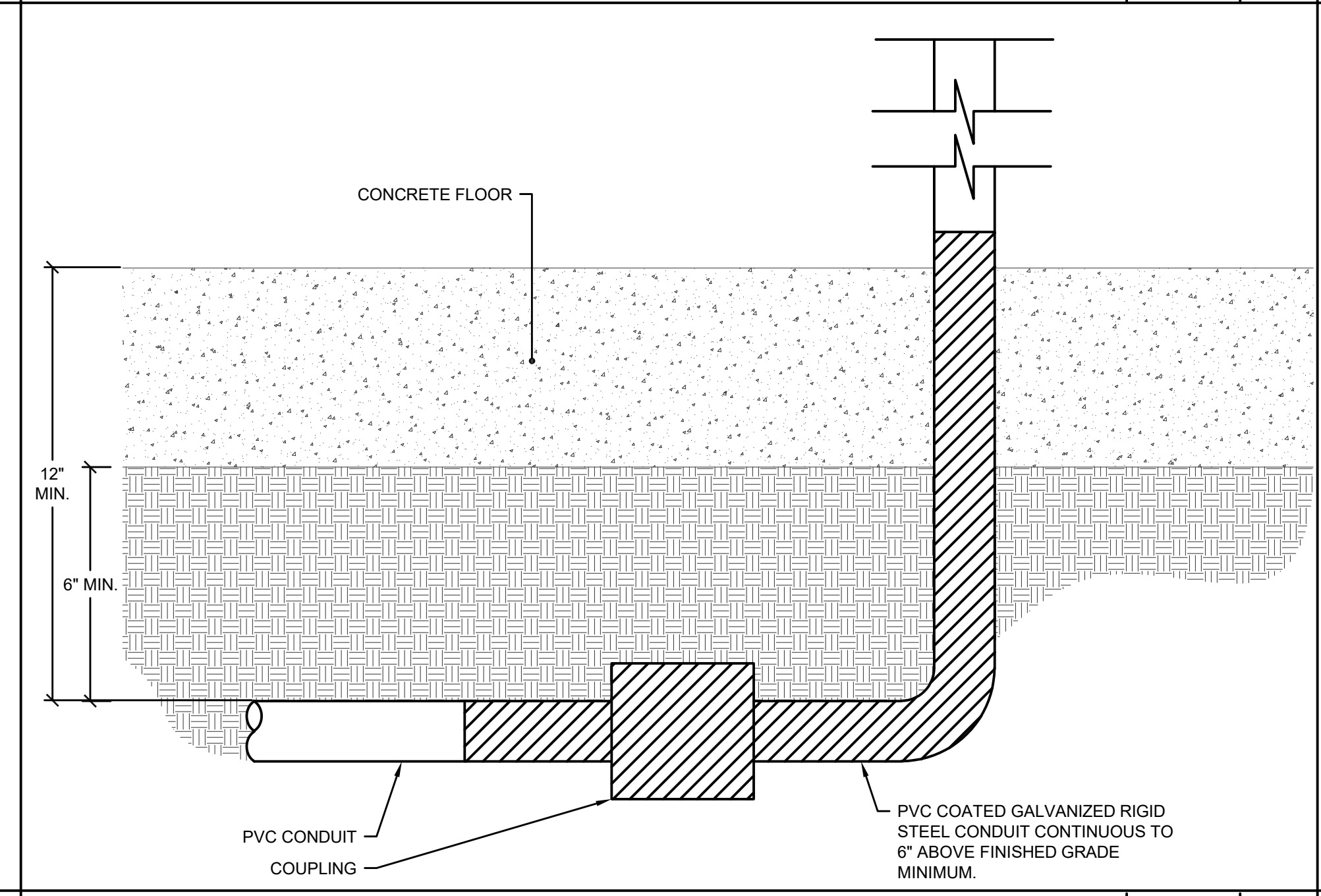
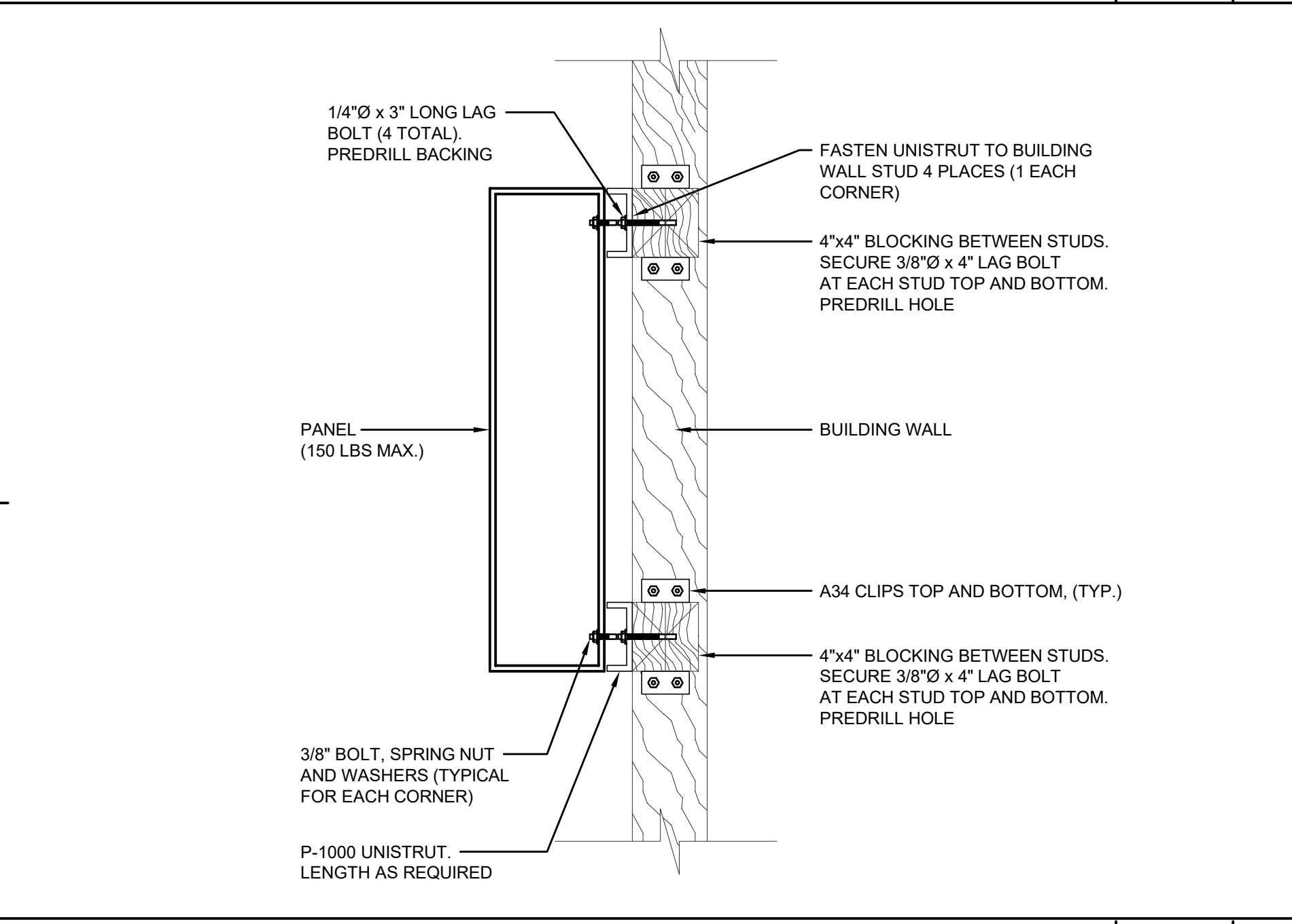




CONDUIT PENETRATION AT 1-HR FIRE RATED WALL NOT TO SCALE 1

SWITCHBOARD MOUNTING DETAIL NOT TO SCALE 2

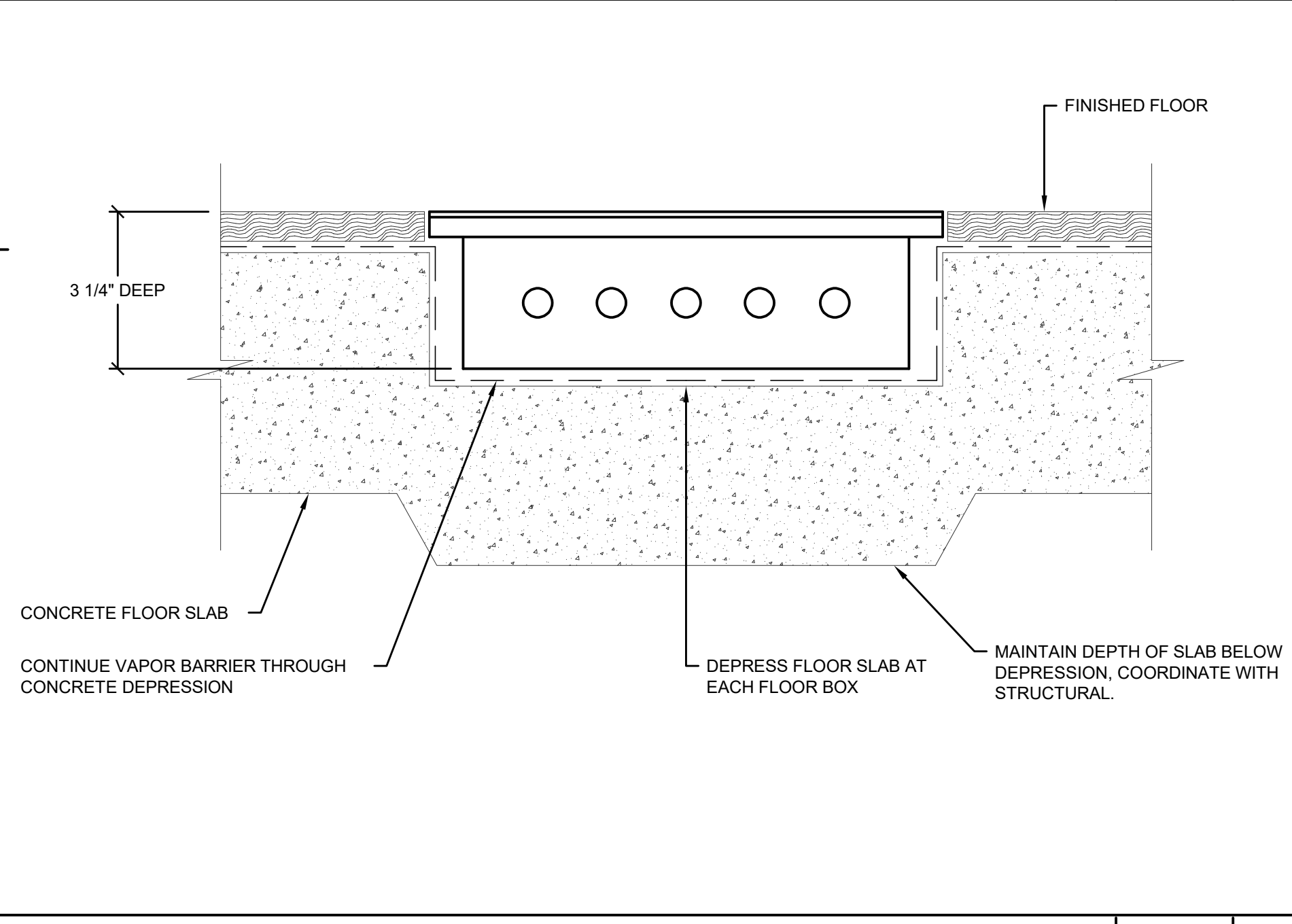
GROUND ROD DETAIL NOT TO SCALE 3



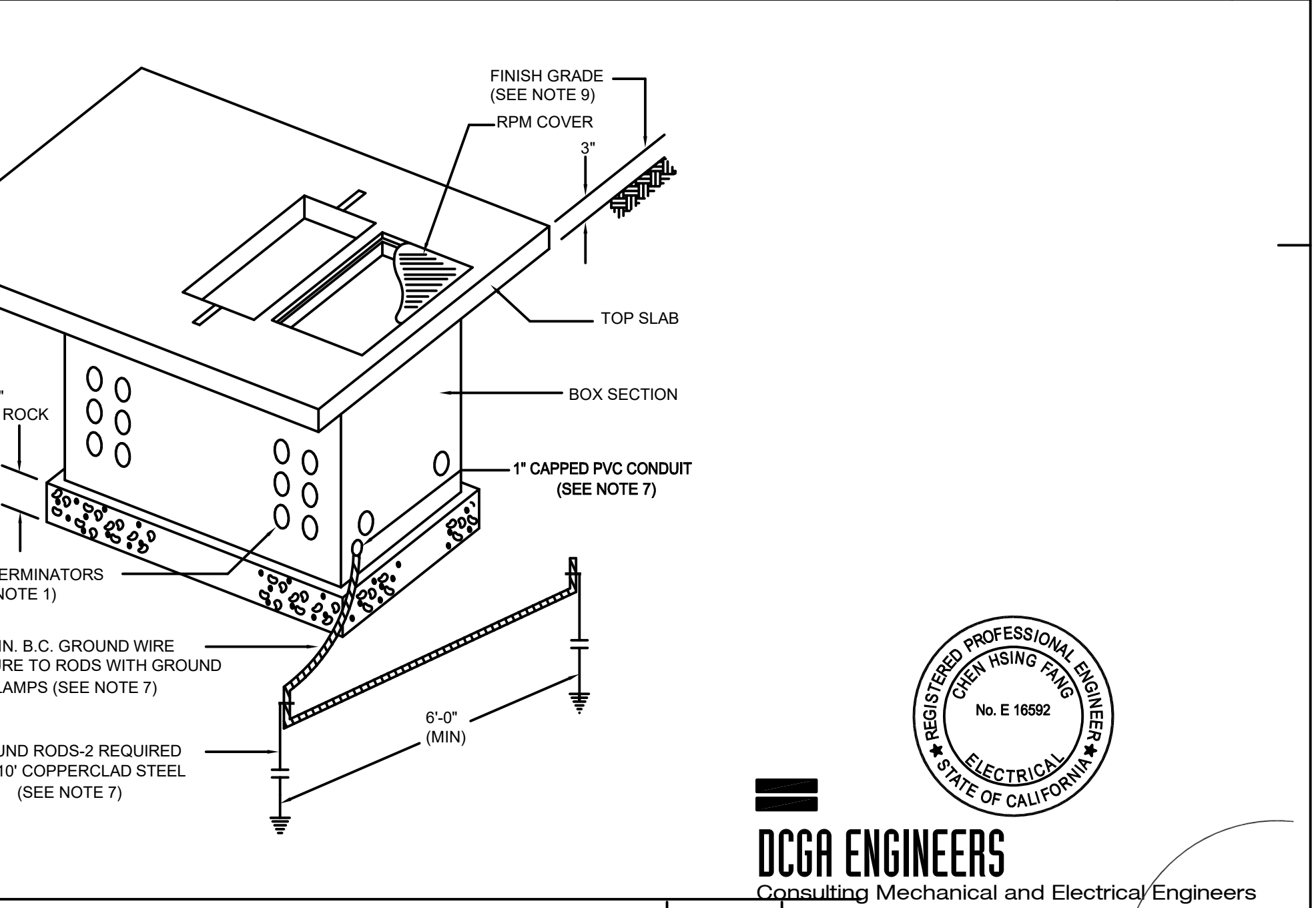
SURFACE MOUNTED PANEL/CABINET AT WOOD FRAMING NOT TO SCALE 4

CONDUIT INSTALLED BELOW GRADE TO ABOVE GRADE DETAIL NOT TO SCALE 5

TYPICAL MULTI-CONDUIT PLACEMENT DETAIL NOT TO SCALE 6



- ◆ CONDUIT TERMINATORS TO BE LOCATED AS SHOWN ON SS 535.2 TO 535.5. STANDARD CONDUIT ENTERANCE SHALL BE A FLATWALL DESIGN. SLIGHT VARIATIONS BY MANUFACTURERS MAY BE ALLOWED WITH COMPANY APPROVAL.
  - ◆ WHEN CABLE TRENCH OPENINGS ARE REQUIRED IN A SLAB BOX, THEY CAN BE SPECIAL ORDERED FROM THE CONCRETE PRECASTER.
  - ◆ FOR SLAB BOX STRUCTURAL DESIGN CRITERIA, SEE SS 535.2, 535.3, 535.4 AND 535.5.
  - ◆ FOR LIST OF MATERIAL REQUIREMENTS AND NOTES, SEE SS 535.6.
  - ◆ CONSULT MANUFACTURERS INSTALLATION GUIDES FOR EXCAVATION DIMENSIONS.
  - ◆ AN EIGHT-FOOT MINIMUM CLEARANCE IS REQUIRED DIRECTLY IN FRONT OF TRANSFORMER FOR OPERATION.
  - ◆ GROUND RODS, CLAMPS, AND WIRE WILL BE FURNISHED BY CONTRACTOR. SEE SS 703 FOR APPROVED GROUNDING MATERIALS. GROUND WIRE TO BE A MINIMUM OF 2/0 BARE COPPER. GROUND WIRE TO BE PLACED THROUGH CAPPED ONE-INCH PVC CONDUIT AT EITHER END OF SLAB BOX. A MINIMUM THREE-FOOT LENGTH OF GROUND WIRE SHALL BE PLACED IN SLAB BOX. (SHALL BE 25 OHMS MINIMUM OR LESS PER SCE REQUIREMENTS.)
  - ◆ MASTIC SEALANT IS REQUIRED AT JOINTS.
  - ◆ TOP SURFACE OF SLAB BOX SHALL BE SET THREE INCHES ABOVE FINISHED GRADE.
  - ◆ SEE SS 500 FOR APPROVED MANUFACTURERS.
- \* ALL REFERENCES TO "SS" INDICATES S.C.E.



FLOOR BOX MOUNTING DETAIL NOT TO SCALE 7

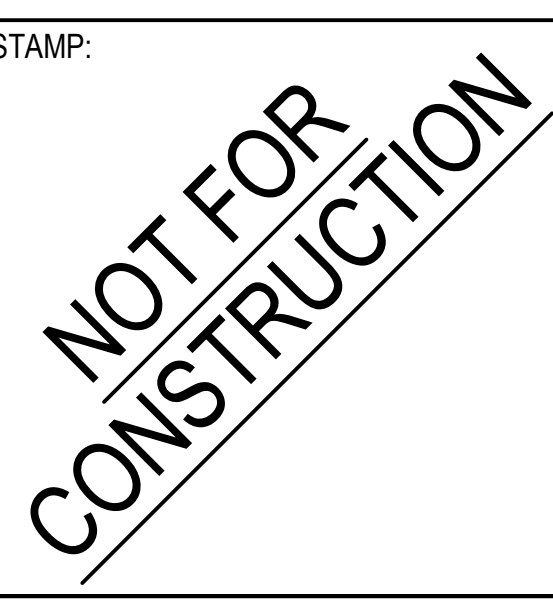
10'x12' SLAB BOX DETAIL NOT TO SCALE 8

TYPICAL MULTI-CONDUIT PLACEMENT DETAIL NOT TO SCALE 6



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ALTADENA, CA 91001

PROJECT NO. 2111010  
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SHEET TITLE:

**ELECTRICAL DETAILS**

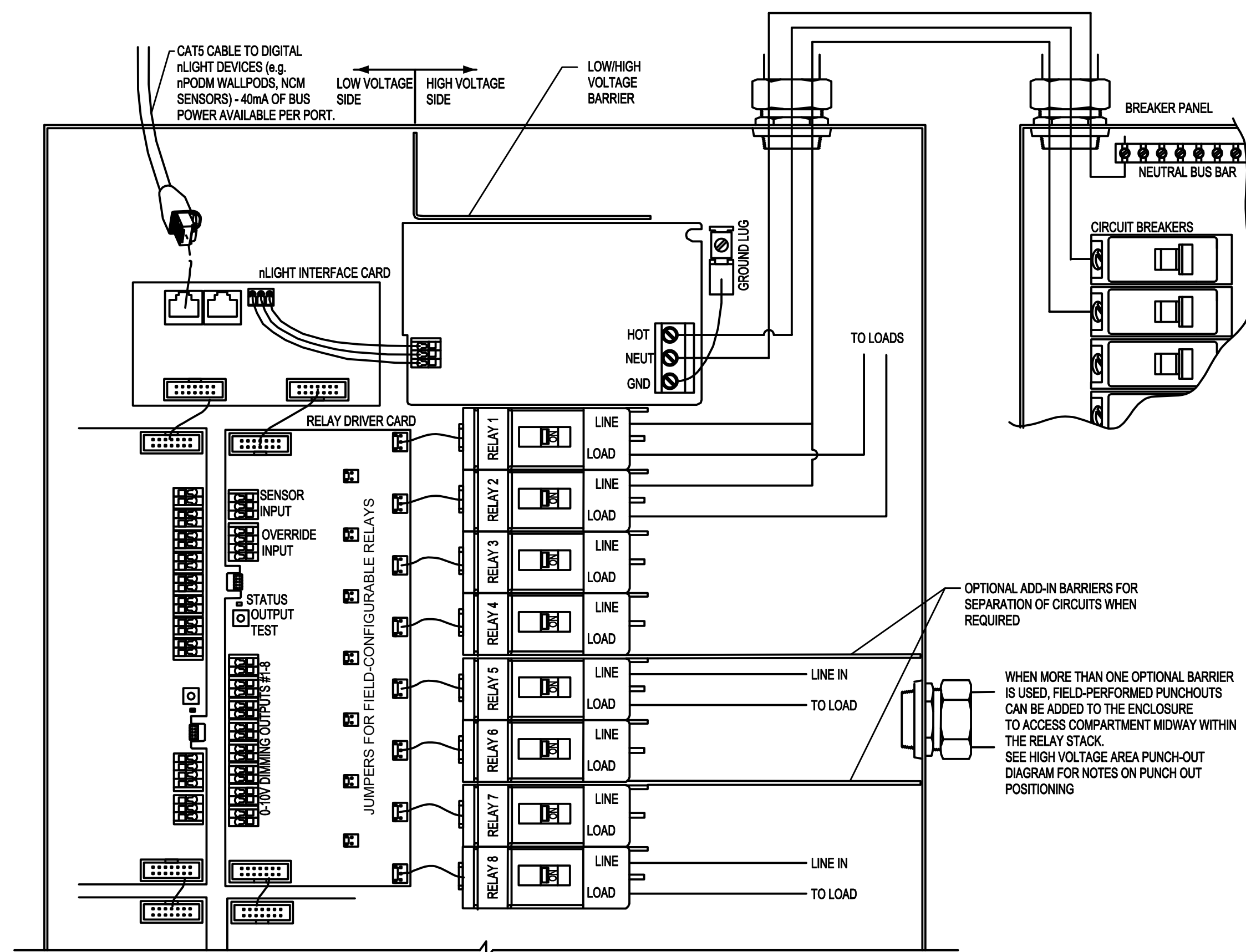
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E401





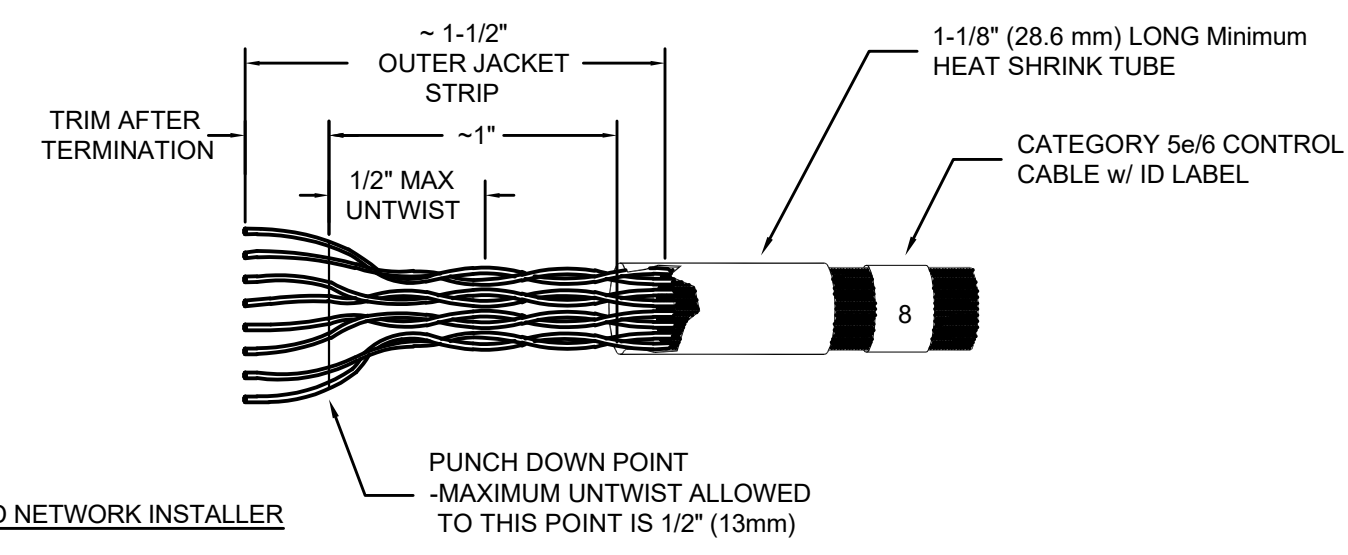


LIGHTING CONTROL PANEL "LCP-1"  
ARP LIGHTING RELAY PANEL  
MODEL #ARP INTENC16 16SPR MVOLT 2VB HLK SM

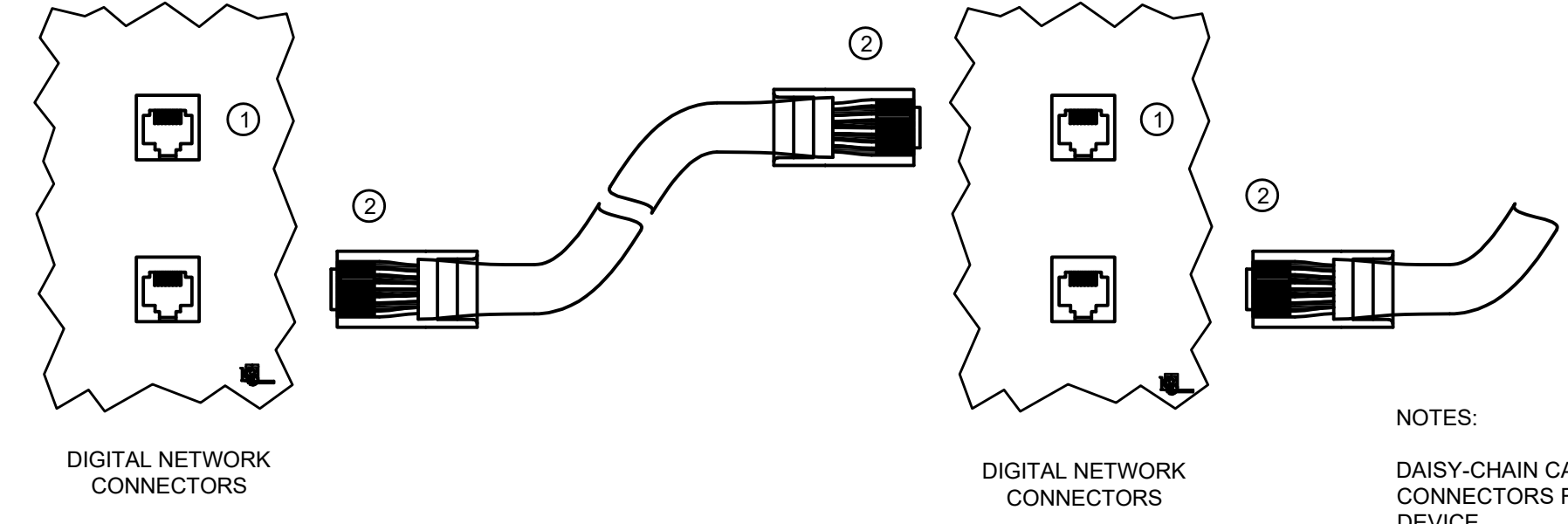
ALL EXTERIOR LIGHTING ROUTED VIA "LCP-1" SHALL BE CONTROLLED BY THE EMS SYSTEM. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR ALL INTEGRATION REQUIREMENTS FOR A COMPLETE SYSTEM.

TIA / EIA-568-B CABLING STANDARD TERMINATION

Function	PAIR #	PIN OUT (T568B)	Wire Color
(T1) (R1)	1	5 4	WHITE w/ BLUE BLUE
Tx + (T2) Tx - (R2)	2	1 2	WHITE w/ ORANGE ORANGE
Rx + (T3) Rx - (R3)	3	3 6	WHITE w/ GREEN GREEN
(T4) (R4)	4	7 8	WHITE w/ BROWN BROWN



- TERMINATION & TESTING OF CAT5 CABLES MUST BE DONE BY A QUALIFIED NETWORK INSTALLER
- CABLE TERMINATION REQUIREMENTS :
1. STRIP OFF OUTER JACKET - APPROXIMATELY 1-1/2" (37.6 MM)
  2. FIT A PIECE OF 1-1/8" (28.6 MM) LONG HEAT SHRINK TUBE OVER THE CABLE EXTENDING OUT 1/4" (8.25 MM) FROM OUTER JACKET
  3. TERMINATE APPROXIMATELY 1/2" (12.2 MM) FROM END OF CONDUCTORS ON TYPE 110 PUNCH DOWN BLOCK OR CONNECTOR PER SCHEDULE (T568B) - MAXIMUM UNTWIST OF CONDUCTORS TO TERMINATIONS IS 1/2" (12.2 MM) - TRIM EXCESS LEADS
  4. SHRINK TUBING AND ADD APPROPRIATE ID LABEL TO THE CABLE AT THE END OF THE HEAT SHRINK TUBE
- SEE SYSTEM SPECIFIC NOTES ON SHEET LC0.1 FOR MAXIMUM CABLE LENGTHS.



- NOTES:
- DAISY-CHAIN CAT5 PATCH CABLE WITH RJ45 CONNECTORS FROM DIGITAL DEVICE TO DIGITAL DEVICE.
  - REFER TO MANUFACTURERS INSTRUCTIONS FOR LONG DISTANCE RUNS BETWEEN DIGITAL DEVICES.
  - CRIMP AND TEST EACH CABLE WITH A LAN CIRCUIT TESTER PRIOR TO INSTALLATION.

CAT5e/6 CABLE TERMINATION

N.T.S.

ALL LIGHTING CONTROL COMPONENTS SHALL BE "nLIGHT" OR EQUAL BY LEVITON OR WATTSTOPPER

ALL LINE VOLTAGE AND 0-10 VOLT CONDUCTORS SHALL BE ROUTED IN 3/4" CONDUIT, MINIMUM

REFER TO THE LIGHTING PLANS FOR QUANTITIES AND LOCATIONS OF ALL LIGHTING CONTROL DEVICES UNLESS NOTED OTHERWISE.



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SCALE: 1  
N.T.S.

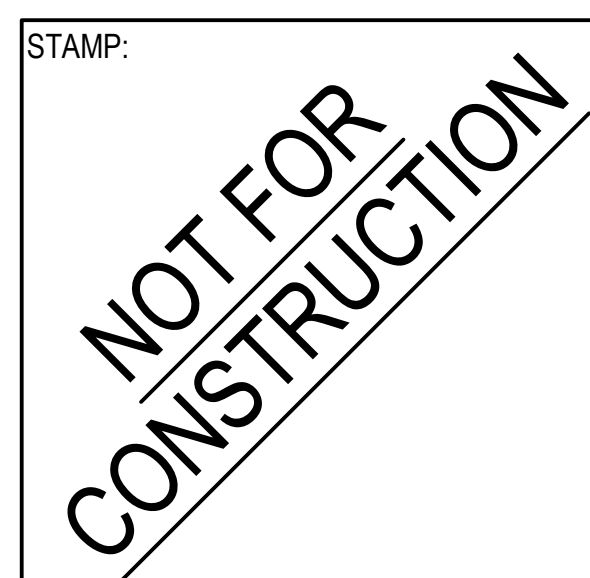
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LIGHTING CONTROL WIRING DIAGRAMS



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PROJECT TITLE:  
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DATE: Issue Date

SHEET TITLE:  
**ELECTRICAL DETAILS**

SCALE: N.T.S.

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E403



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Panel schedule table for "1LA1" showing circuit details, load types, and notes.

Panel schedule table for "1LA2" showing circuit details, load types, and notes.

Panel schedule table for "1LA1" showing circuit details, load types, and notes.

Panel schedule table for "1LA2" showing circuit details, load types, and notes.

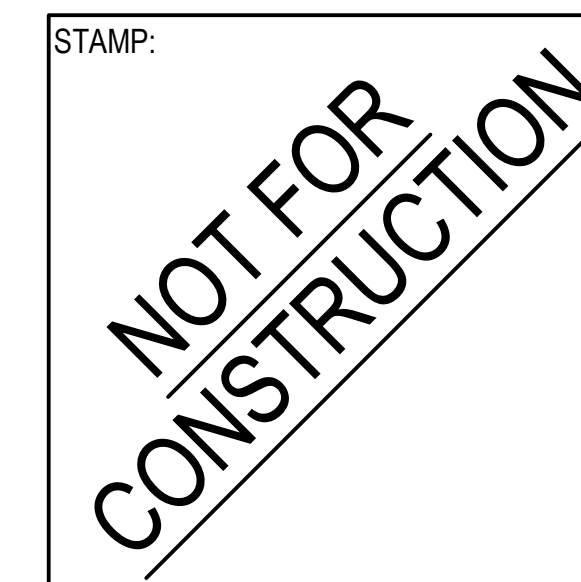


Table for tracking revisions: NO., DATE, REVISIONS

PROJECT TITLE:

Altadena Main Library 600 E MARIPOSA STREET ALTADENA, CA 91001

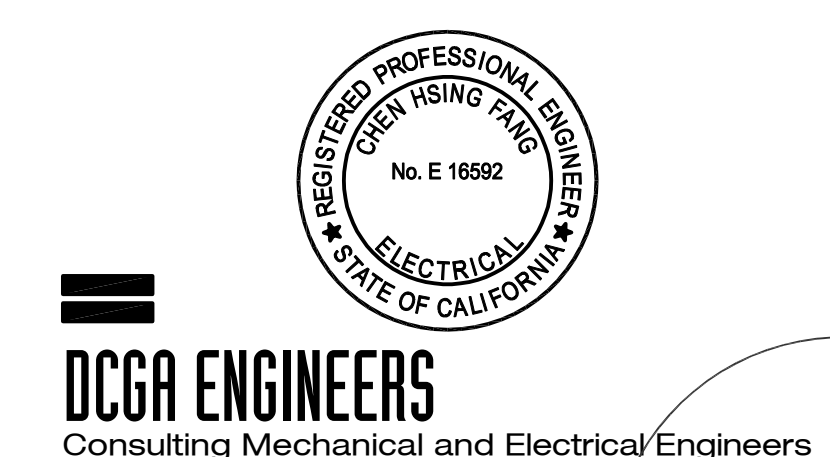
PROJECT NO. 2111010

DATE: Issue Date

SHEET TITLE:

PANEL SCHEDULES

SCALE: N.T.S.



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AV SYSTEMS SHEET SET	
Sheet Number	Sheet Name

00 - LEGEND	
AV000	LEGEND
1 - KEY PLANS	
AV101	FLOOR PLAN - LOWER LEVEL - AV SYSTEMS
AV101A	FLOOR PLAN - LOWER LEVEL - ADD ALTS - AV SYSTEMS
AV102	FLOOR PLAN - MAIN LEVEL - AV SYSTEMS
20-ENLARGED	
AV201	TELE MEETING ROOM ENLARGED PLANS
AV202	STAFF MEETING ROOM ENLARGED PLANS
AV203	DIGITAL SIGNAGE ENLARGED PLANS
AV204	GAMING ROOM ENLARGED PLANS
AV205	COMMUNITY ROOM ENLARGED PLANS
AV206	OPEN WORK AREA ENLARGED PLANS
30-SECTIONS AND ELEVATIONS	
AV301	TELE MEETING ROOM SECTIONS AND ELEVATIONS
AV302	STAFF MEETING ROOM SECTIONS AND ELEVATIONS
AV303	DIGITAL SIGNAGE SECTIONS AND ELEVATIONS
AV304	GAMING ROOM SECTIONS AND ELEVATIONS
AV305	COMMUNITY ROOM SECTIONS AND ELEVATIONS
AV306	OPEN WORK AREA SECTIONS AND ELEVATIONS

EXAMPLE SHEET SET	
Sheet Number	Sheet Name

0 - LEGEND	
000	LEGEND
1 - KEY PLANS	
101	KEY PLANS - LEVEL 01
102	KEY PLANS - LEVEL 02
2 - ENLARGEMENTS	
201	ENLARGED PLANS - SYSTEM 01
202	ENLARGED PLANS - SYSTEM 02
3 - ELEVATIONS AND SECTIONS	
301	ELEVATIONS AND SECTIONS - SYSTEM 01
302	ELEVATIONS AND SECTIONS - SYSTEM 02
4 - LINE DIAGRAMS	
401	LINE DIAGRAMS - SYSTEM 01
402	LINE DIAGRAMS - SYSTEM 02
5 - RACK ELEVATIONS	
501	RACK ELEVATIONS
6 - CUSTOM PLATES	
601	CUSTOM PLATES

SHEET LIST NAVIGATION	
ID	DESCRIPTION

0	SHEET LIST AND DRAWING SYMBOL LEGENDS
1	OVERALL KEY PLANS INDICATING SYSTEM LOCATIONS - SHEET NUMBER CORRESPONDS WITH LEVEL
2	ENLARGED PLANS PER SYSTEM - SHEET NUMBER CORRESPONDS TO SYSTEM ID
3	ELEVATIONS AND SECTIONS PER SYSTEM - SHEET NUMBER CORRESPONDS TO SYSTEM ID
4	LINE DIAGRAMS PER SYSTEM - SHEET NUMBER CORRESPONDS TO SYSTEM ID (AV ONLY)
5	AV EQUIPMENT RACK ELEVATIONS (AV ONLY)
6	CUSTOM PLATES AND METAL WORK (AV ONLY)

# REPRESENTS THE EQUIPMENT TYPE ID. ALL EQUIPMENT OF THE SAME MAKE, MODEL, MOUNTING METHOD AND INSTALLATION SPECIFICATION BELONG TO A SINGLE EQUIPMENT TYPE ID.  
 (#) REPRESENTS THE EQUIPMENT INSTANCE ID. EACH INSTANCE OF EQUIPMENT WILL HAVE A UNIQUE EQUIPMENT INSTANCE ID PER SYSTEM.

AV NOTES

- [1] INSTALL WALL MOUNTED TOUCHPANELS ACCORDING TO APPLICABLE ACCESSIBILITY GUIDELINES.
- [2] CAMERA LENS ELEVATION IS SHOWN AS REQUIRED. MODIFICATIONS OR SUBSTITUTIONS SHOULD MAINTAIN LENS LOCATION. SCHEDULED DIMENSIONS FOR CAMERAS ARE TO CENTER OF LENS.
- [3] PROJECTOR LENS ELEVATION IS SHOWN AS REQUIRED. MODIFICATIONS OR SUBSTITUTIONS SHOULD MAINTAIN LENS LOCATION. SCHEDULED DIMENSIONS FOR CAMERAS ARE TO CENTER OF LENS.
- [4] DISPLAY MOUNT ELEVATION IS MEASURED TO CENTER OF BRACKET.

AV EQUIPMENT ADDITIONAL INFORMATION	
ID	DESCRIPTION

1	PROJECTION SCREEN
2	8-BUTTON CONTROL KEYPAD
5	33" MULTIMEDIA LECTERN
6	WEBCAM
8	EXPANSION MICROPHONE
10	AV CONNECTION PLATE
11	PROJECTOR
13	6.5" CEILING SPEAKER
14	55" DISPLAY
15	OWNER FURNISHED MONITOR
16	CONFERENCE CONTROL TOUCH INTERFACE
18	12X PTZ CAMERA
20	PTZ CAMERA CONTROLLER
50	65" DISPLAY
55	45 SPACE (78-3/4"), 32" DEEP MULTIBAY BGR RACK WITH REAR DOOR, BLACK FINISH
56	44RU EQUIPMENT RACK
57	CONFERENCE CAMERA/MIC/SPEAKER
68	X-LARGE TILT WALL DISPLAY MOUNT
70	MEDIUM TILT MICRO-ADJUSTABLE WALL DISPLAY MOUNT

THIS SYMBOL DESIGNATES AN AV ENABLED SPACE. THE NUMBER INDICATES THE ASSOCIATED SYSTEM ID. THE ARROW INDICATES ROOM FOCUS OR PRIMARY USER ENGAGEMENT DIRECTION.

RECORD DRAWINGS

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NO.	DATE	REVISIONS
	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:  
**ALTADENA MAIN LIBRARY**  
 600 E MARIPOSA STREET  
 ALTADENA, CA 91001

PROJECT NO. 2111010  
 DATE: 10/11/2023  
 SHEET TITLE:

LEGEND

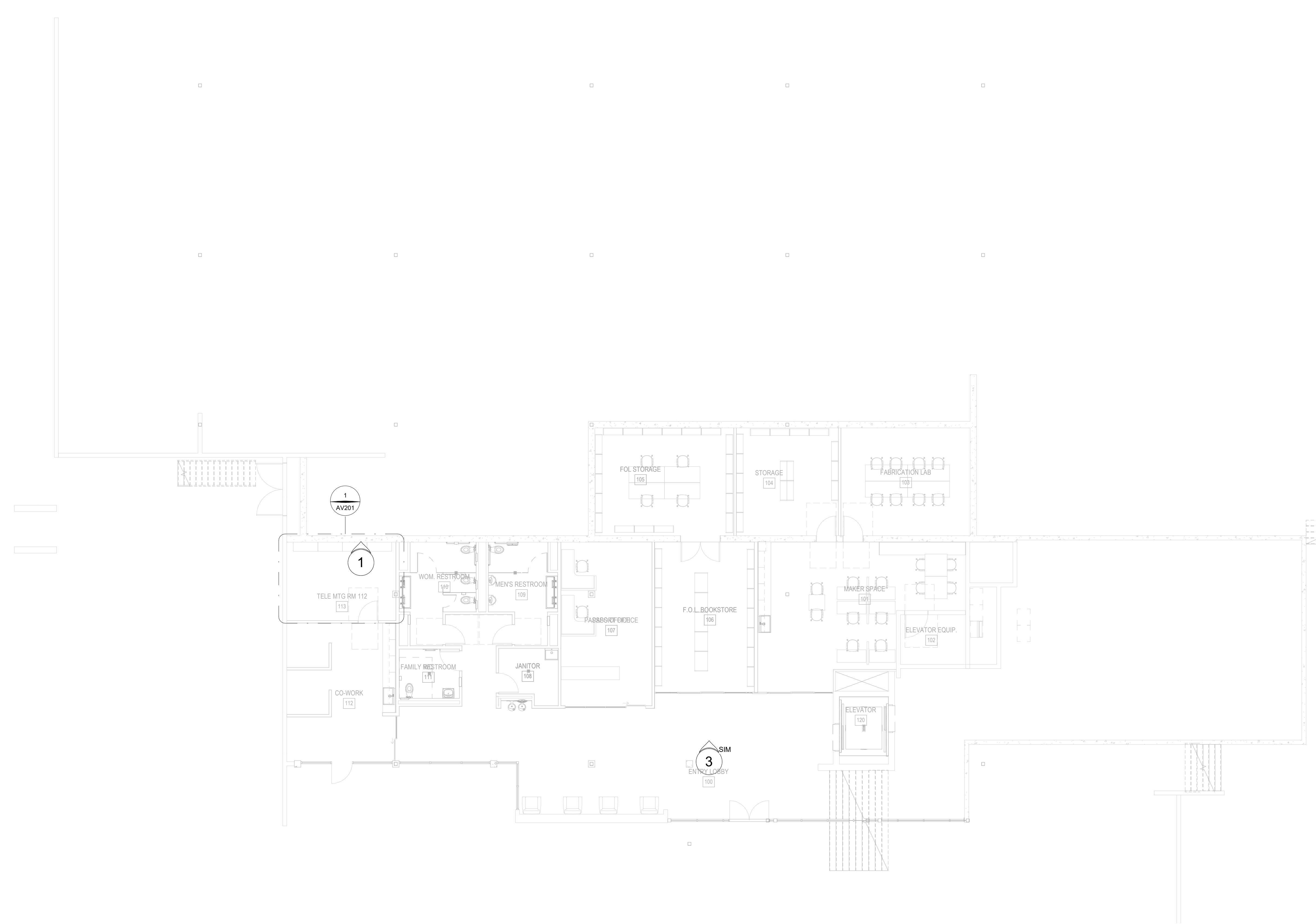
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AV000



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	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

**FLOOR PLAN - LOWER LEVEL - AV SYSTEMS**

SCALE: 1/8" = 1'-0"

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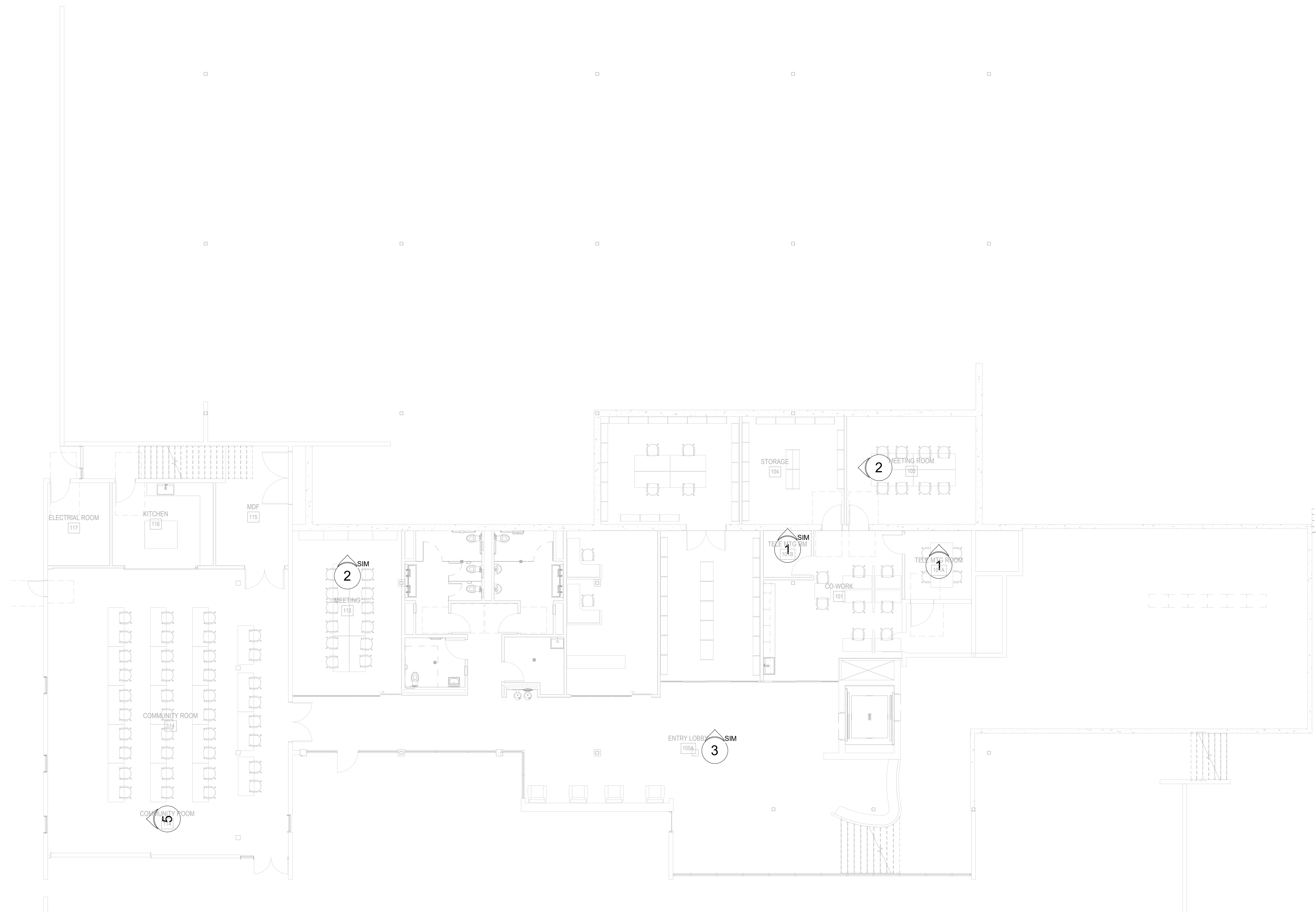
AV101

10/11/2023 2:55:33 PM



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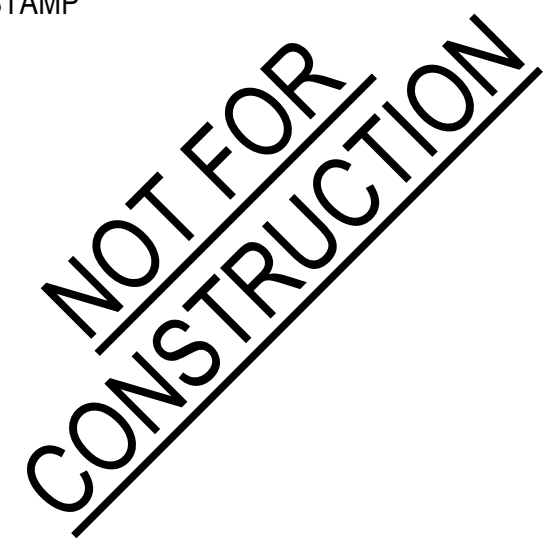


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NO.	DATE	REVISIONS
1	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

FLOOR PLAN - LOWER LEVEL - ADD ALTS - AV SYSTEMS

SCALE: 1/8" = 1'-0"

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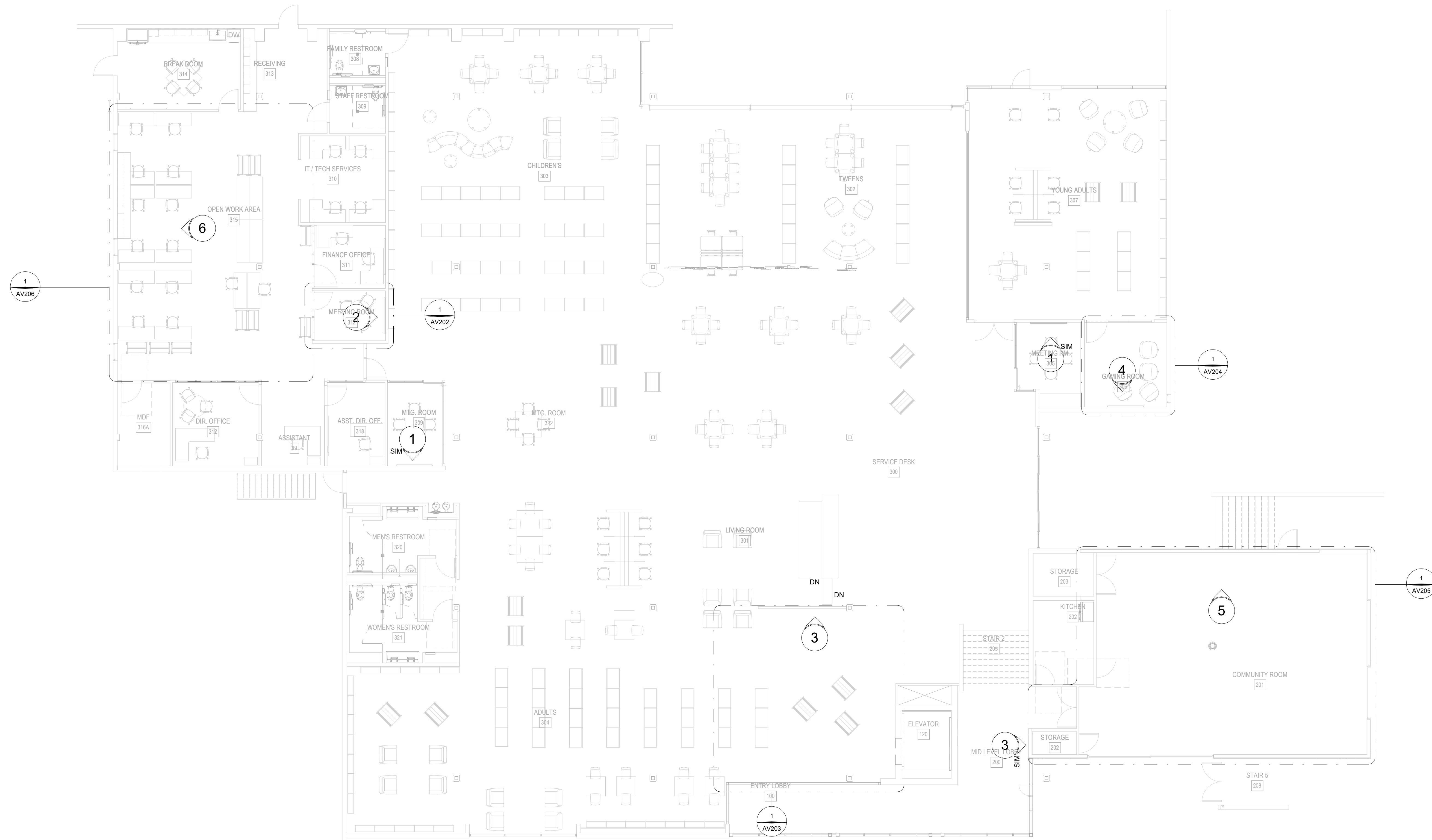
AV101A

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PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

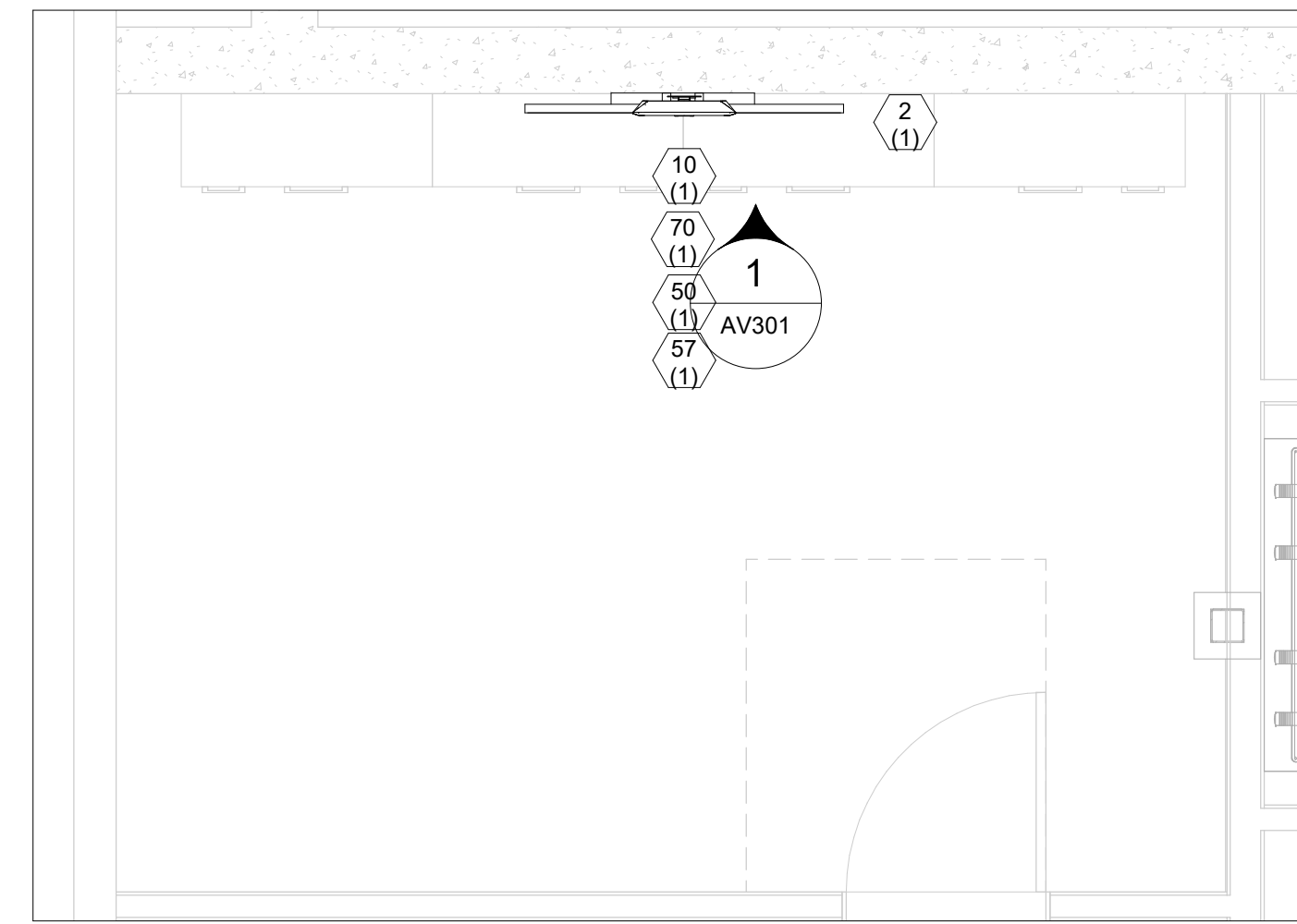
SHEET TITLE:

FLOOR PLAN - MAIN LEVEL - AV SYSTEMS

SCALE: 1/8" = 1'-0"

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AV102



1 TELE MEETING ROOM  
3/8" = 1'-0"

1 - AV		
TYPE	DETAIL	SHEET
KEY PLAN	1	AV101
KEY PLAN	1	AV102
ENLARGED PLAN	1	AV201
ELEVATION		AV301

1 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
2	1	45"	8-BUTTON CONTROL KEYPAD
10	2		AV CONNECTION PLATE
14	1	38"	55" DISPLAY
50	1	36"	65" DISPLAY
57	1	71 1/16"	CONFERENCE CAMERA/MIC/SPEAKER

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.



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PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

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ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

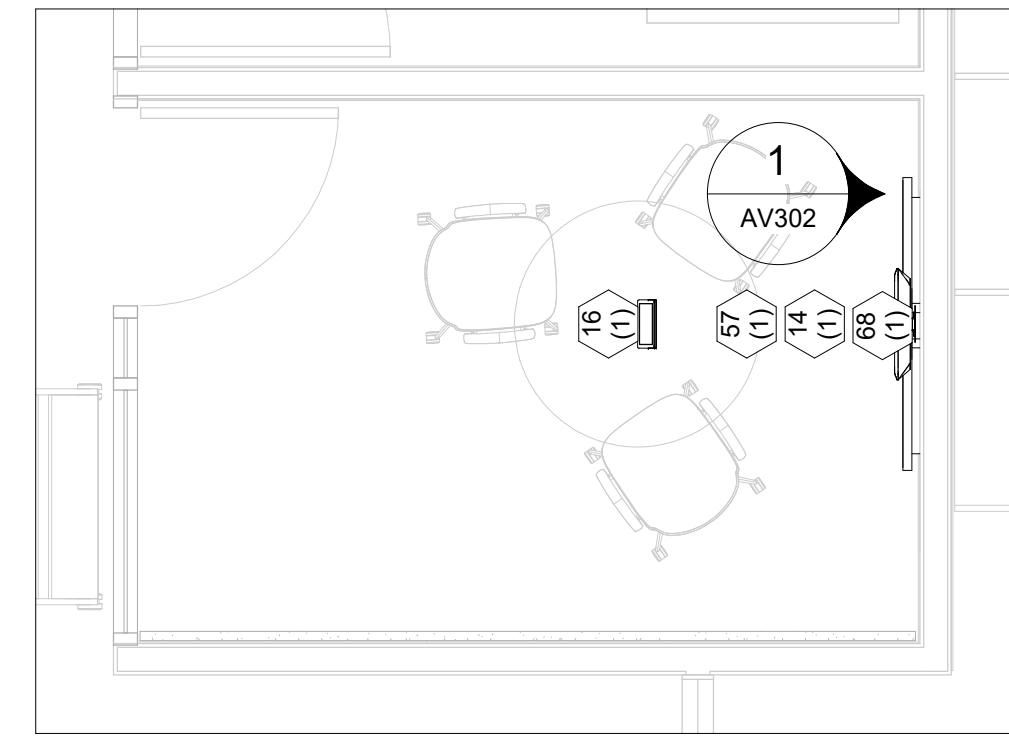
**TELE MEETING ROOM ENLARGED PLANS**

SCALE: 3/8" = 1'-0"

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AV201





1 STAFF MEETING ROOM  
3/8" = 1'-0"

2 - AV		
TYPE	DETAIL	SHEET
KEY PLAN	1	AV101
KEY PLAN	1	AV102
ENLARGED PLAN	1	AV202
ELEVATION		AV302

2 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
14	1	30"	55" DISPLAY
16	2		CONFERENCE CONTROL TOUCH INTERFACE
57	1	60 3/16"	CONFERENCE CAMERA/MIC/SPEAKER
68	1	44"	X-LARGE TILT WALL DISPLAY MOUNT

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.



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PROJECT TITLE:  
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ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10/11/2023

SHEET TITLE:  
**STAFF MEETING ROOM ENLARGED PLANS**

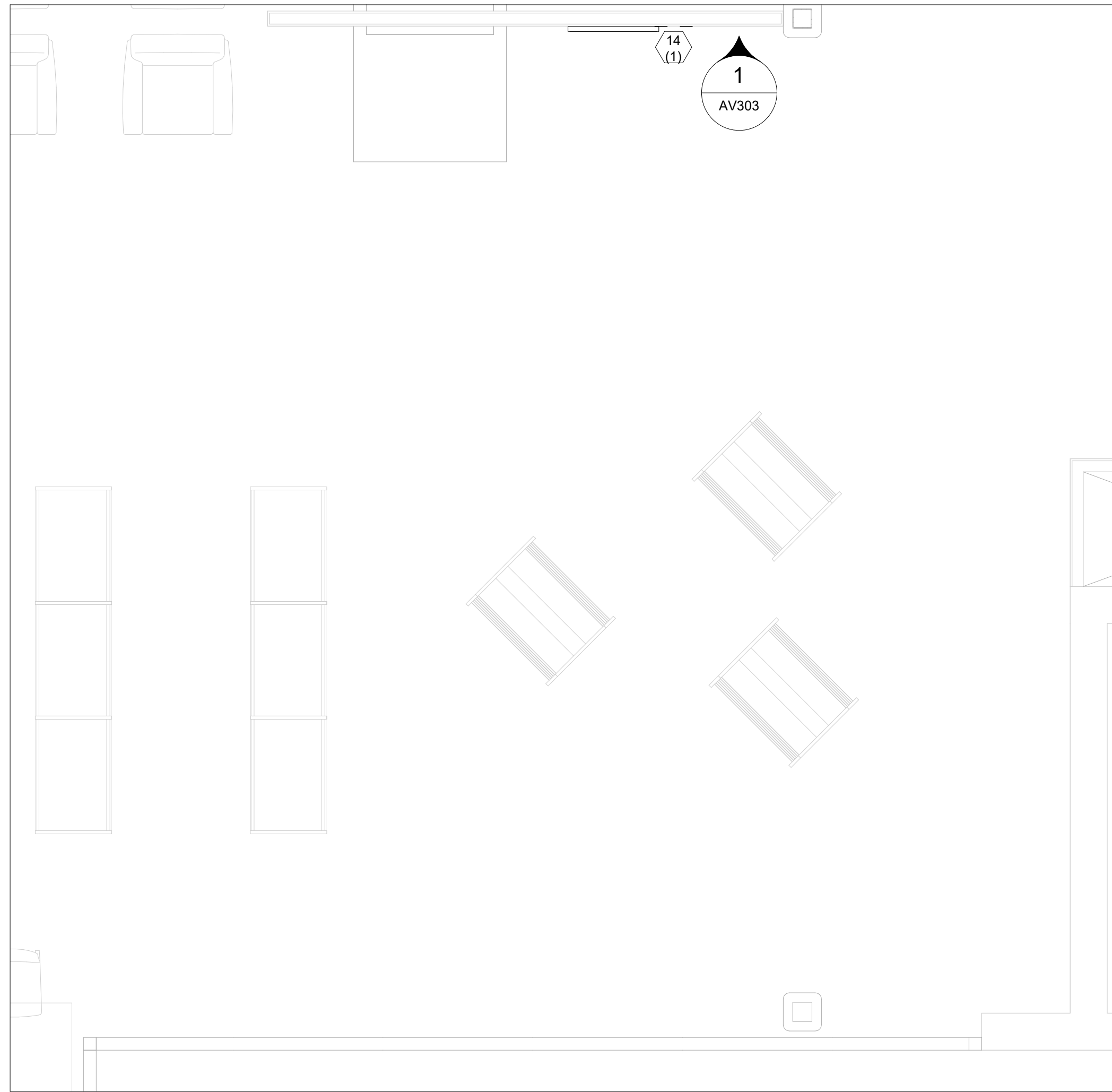
SCALE: 3/8" = 1'-0"

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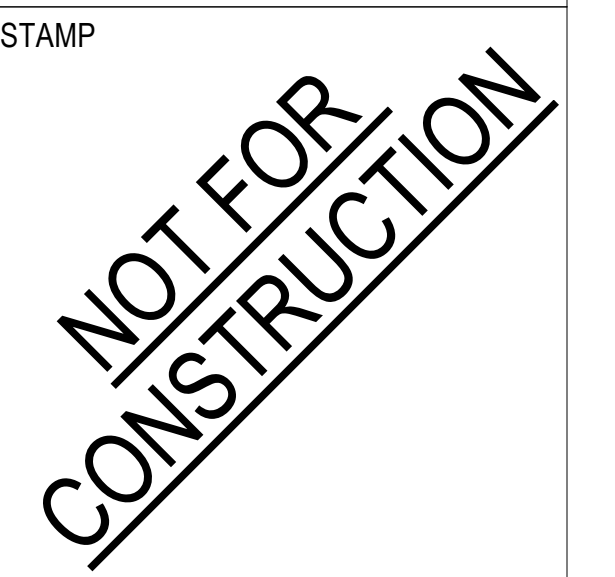
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1 DIGITAL SIGNAGE  
3/8" = 1'-0"

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PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

DIGITAL SIGNAGE  
ENLARGED PLANS

SCALE: 3/8" = 1'-0"

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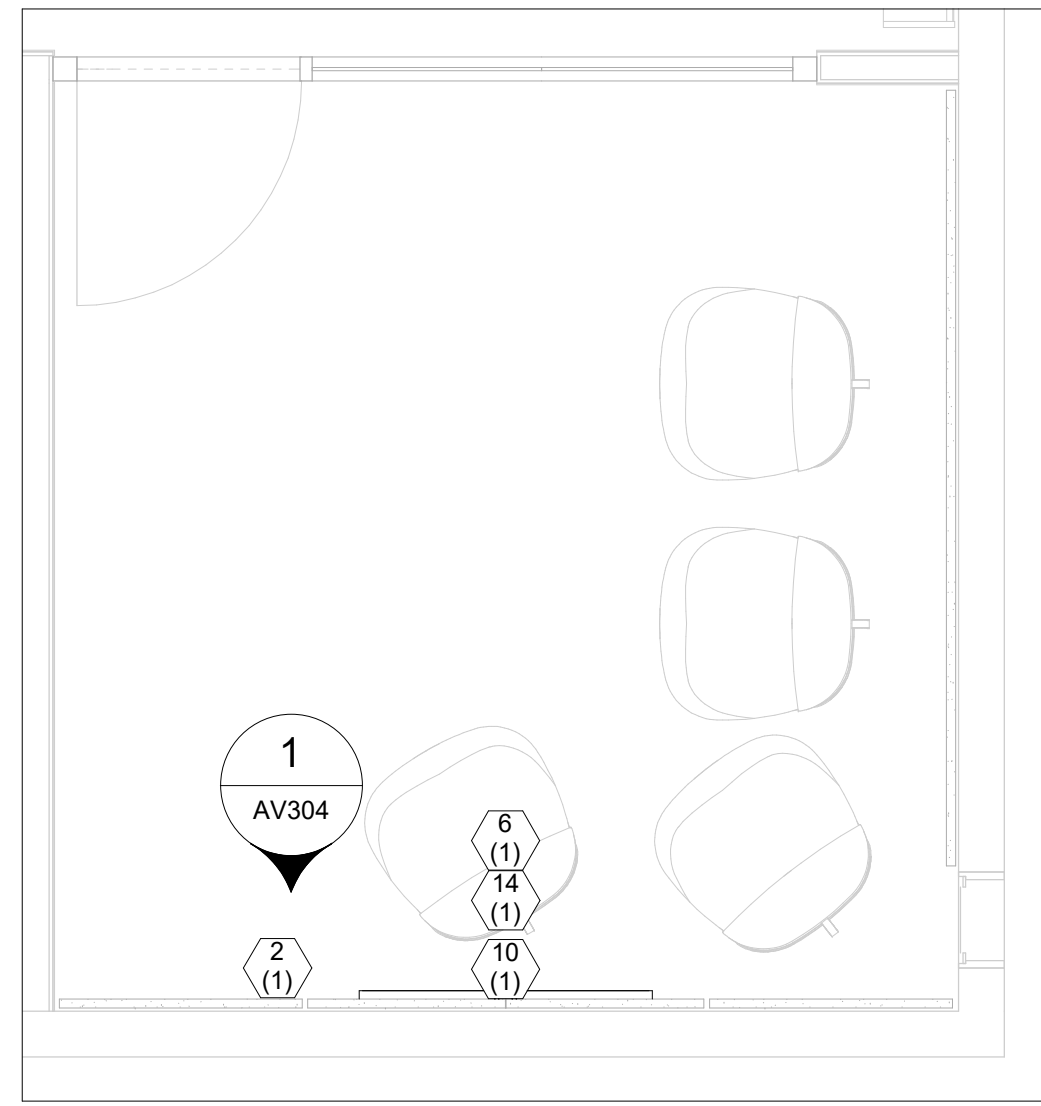
AV203

3 - AV		
TYPE	DETAIL	SHEET
KEY PLAN	1	AV102
ENLARGED PLAN	1	AV203
ELEVATION		AV303

3 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
14	1	77 1/32"	55" DISPLAY

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.

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1 GAMING ROOM  
3/8" = 1'-0"

4 - AV			
TYPE	DETAIL	SHEET	
KEY PLAN	1	AV102	
ENLARGED PLAN	1	AV204	
ELEVATION		AV304	

4 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
2	1	45"	8-BUTTON CONTROL KEYPAD
6	1	69"	WEBCAM
10	1	18"	AV CONNECTION PLATE
14	1	39 5/8"	55" DISPLAY

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.



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PROJECT TITLE:

**ALTADENA MAIN  
LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

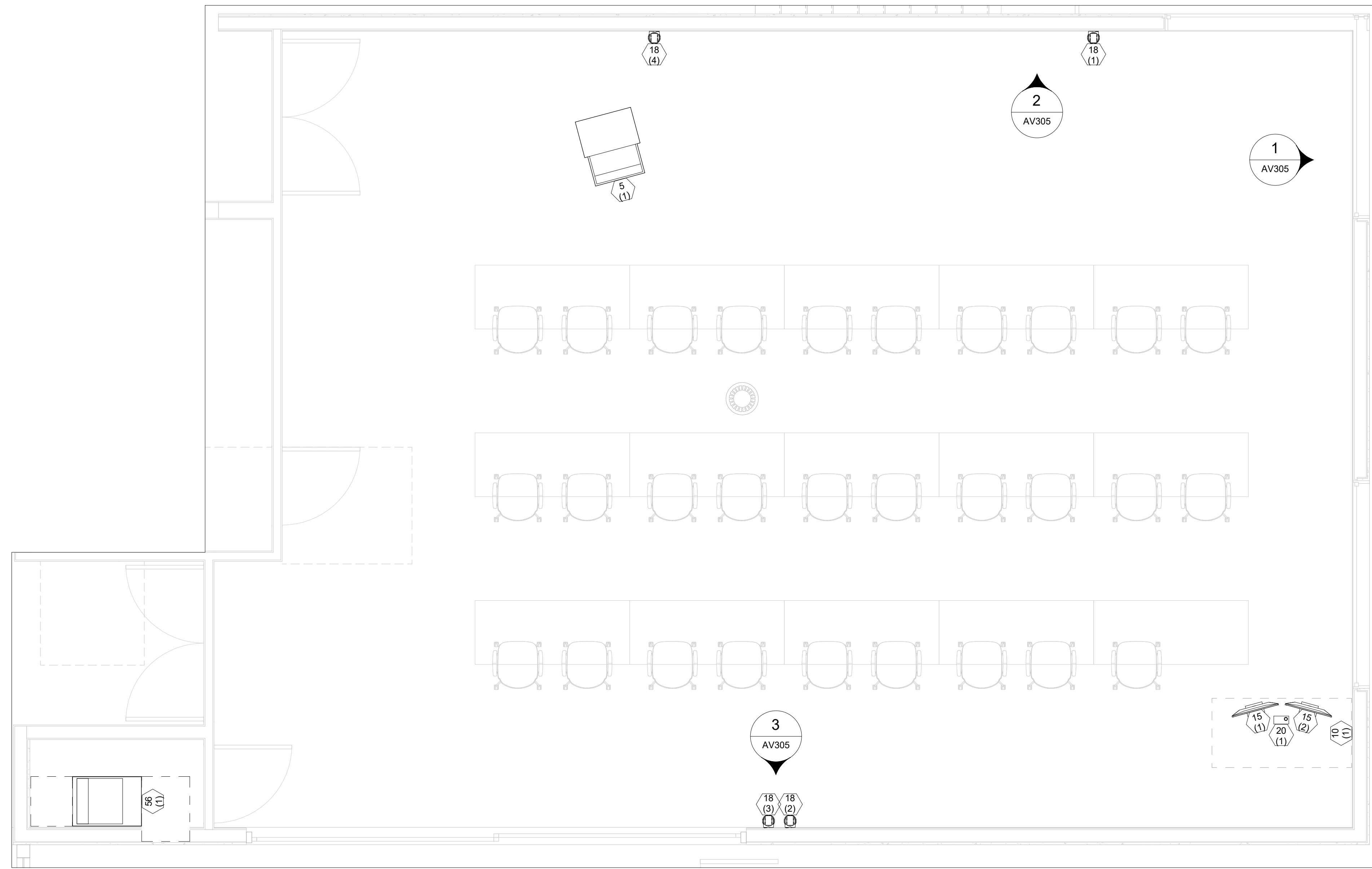
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**GAMING ROOM  
ENLARGED PLANS**

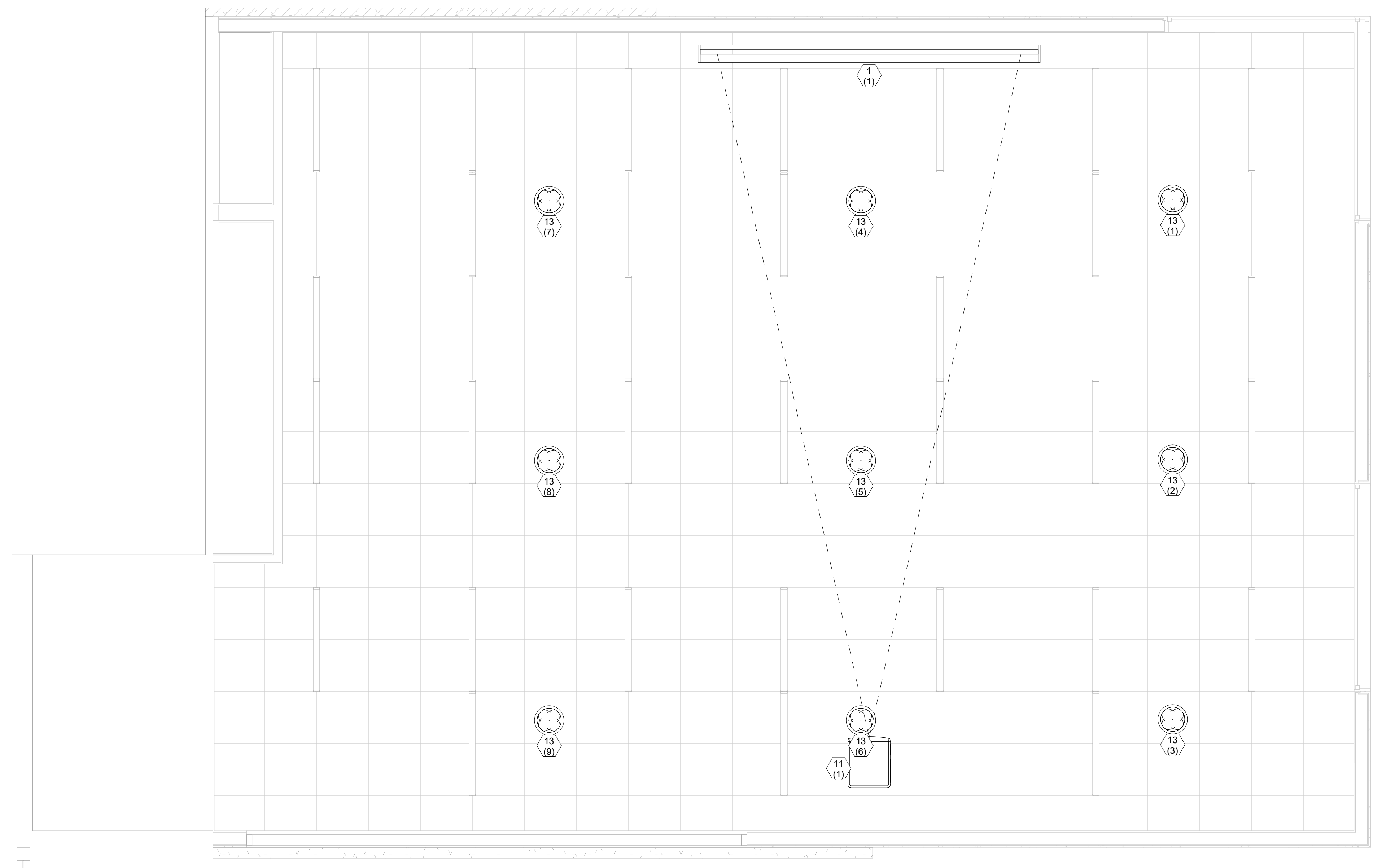
SCALE: 3/8" = 1'-0"

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AV204



1 COMMUNITY ROOM  
3/8" = 1'-0"



2 COMMUNITY ROOM  
3/8" = 1'-0"

5 - AV			
	TYPE	DETAIL	SHEET
KEY PLAN	1	AV102	
ENLARGED PLAN	1	AV205	
ENLARGED RCP	2	AV205	
ELEVATION	1	AV305	
ELEVATION	2	AV305	
ELEVATION	3	AV305	

5 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
1	1	61 1/8"	PROJECTION SCREEN
5	1	-68"	33" MULTIMEDIA LECTERN
10	1	-50"	AV CONNECTION PLATE
11	1	52 17/32"	PROJECTOR
13	9	59 1/2"	6.5" CEILING SPEAKER
15	2	-38"	OWNER FURNISHED MONITOR
18	4	22"	12X PTZ CAMERA
20	1	-38"	PTZ CAMERA CONTROLLER
56	1	0"	44RU EQUIPMENT RACK

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.

RECORD DRAWINGS

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PROJECT TITLE:  
**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10/11/2023  
SHEET TITLE:

**COMMUNITY ROOM ENLARGED PLANS**

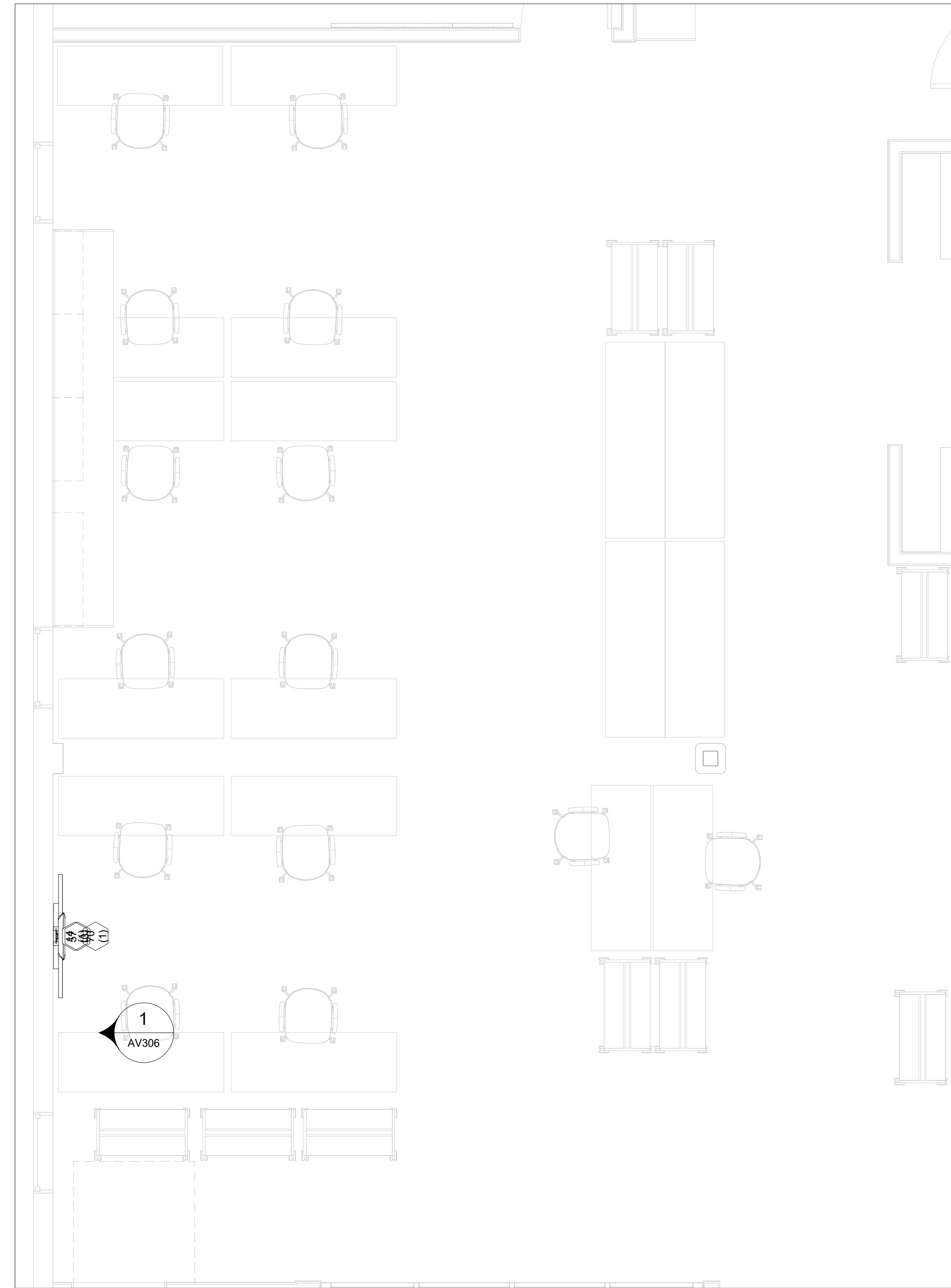
SCALE: 3/8" = 1'-0"

AV205



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1 OPEN WORK AREA  
3/8" = 1'-0"

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PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

OPEN WORK AREA  
ENLARGED PLANS

SCALE: 3/8" = 1'-0"

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AV206

6 - AV			
TYPE	DETAIL	SHEET	
KEY PLAN	1	AV102	
ENLARGED PLAN		AV206	
ELEVATION		AV306	

KEY PLAN	1	AV102	
ENLARGED PLAN		AV206	
ELEVATION		AV306	

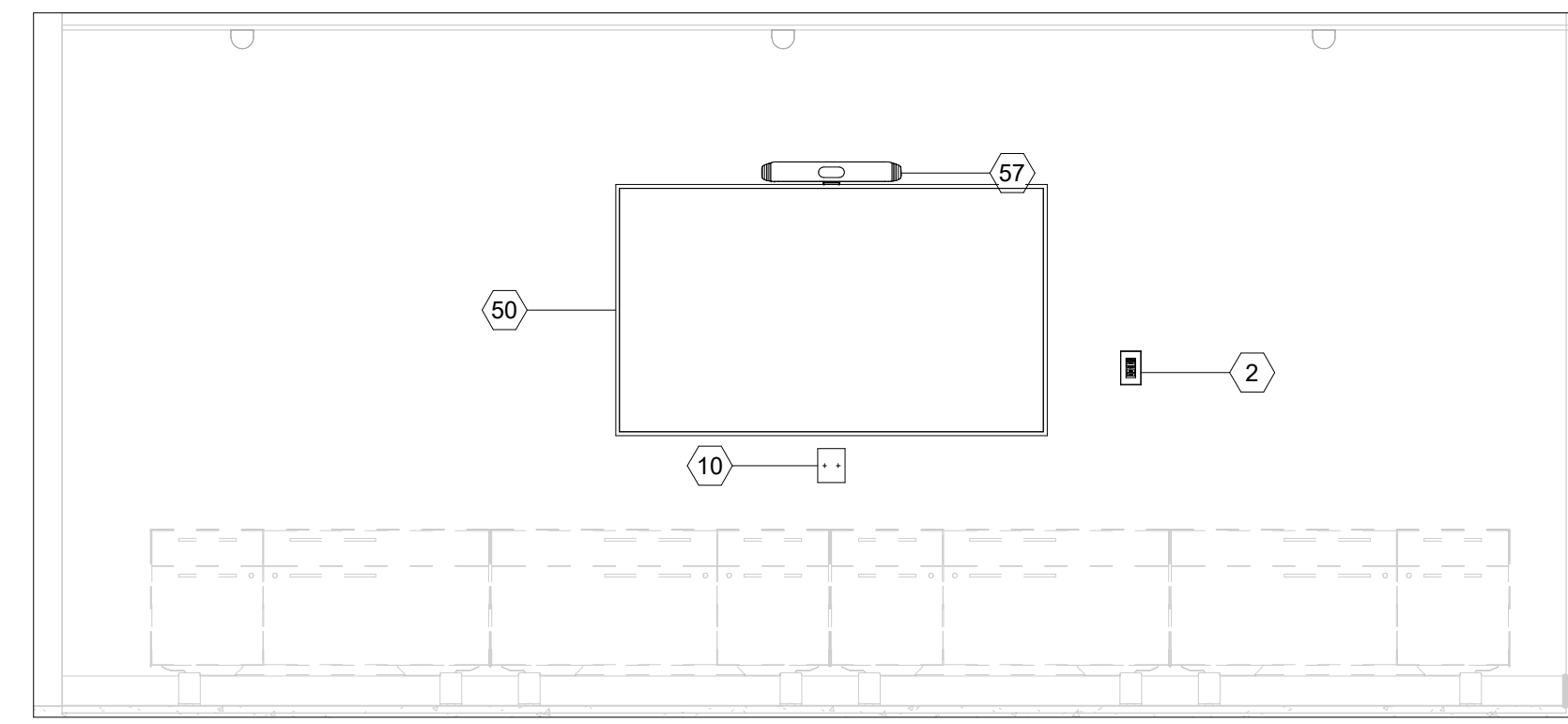
6 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
14	1	34"	55" DISPLAY
70	1	51"	MEDIUM TILT MICRO-ADJUSTABLE WALL DISPLAY MOUNT

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.



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1 TELE MEETING ROOM - NORTH  
1/2" = 1'-0"

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PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

TELE MEETING ROOM SECTIONS AND ELEVATIONS

SCALE: 1/2" = 1'-0"

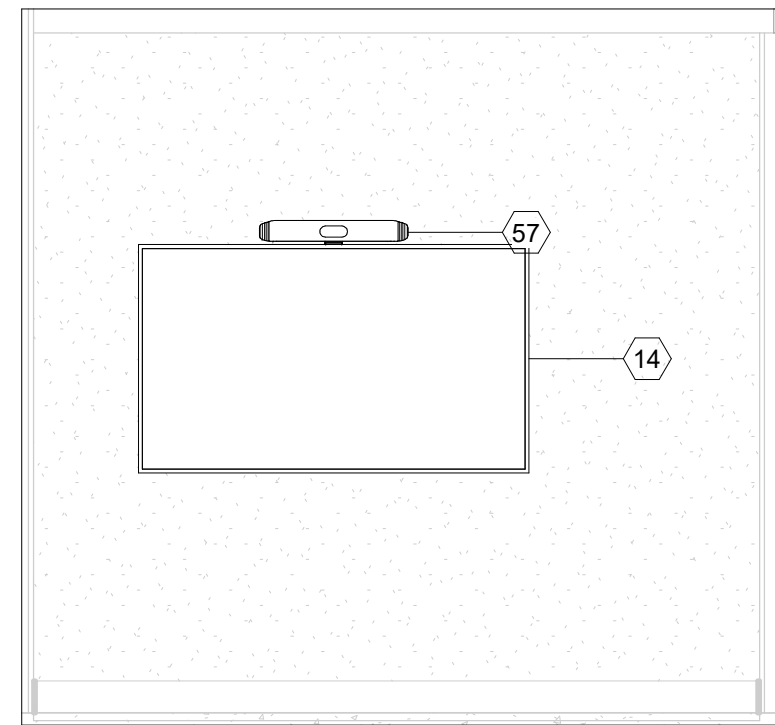
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AV301

1 - AV		
TYPE	DETAIL	SHEET
KEY PLAN	1	AV101
KEY PLAN	1	AV102
ENLARGED PLAN	1	AV201
ELEVATION		AV301

1 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
2	1	45"	8-BUTTON CONTROL KEYPAD
10	2		AV CONNECTION PLATE
14	1	38"	55" DISPLAY
50	1	36"	65" DISPLAY
57	1	71 1/16"	CONFERENCE CAMERA/MIC/SPEAKER

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.



1 STAFF MEETING ROOM - EAST  
1/2" = 1'-0"

2 - AV			
TYPE	DETAIL	SHEET	
KEY PLAN	1	AV101	
KEY PLAN	1	AV102	
ENLARGED PLAN	1	AV202	
ELEVATION		AV302	

2 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
14	1	30"	55" DISPLAY
16	2		CONFERENCE CONTROL TOUCH INTERFACE
57	1	60 3/16"	CONFERENCE CAMERA/MIC/SPEAKER
68	1	44"	X-LARGE TILT WALL DISPLAY MOUNT

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.



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PROJECT TITLE:

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ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

STAFF MEETING ROOM SECTIONS AND ELEVATIONS

SCALE: 1/2" = 1'-0"

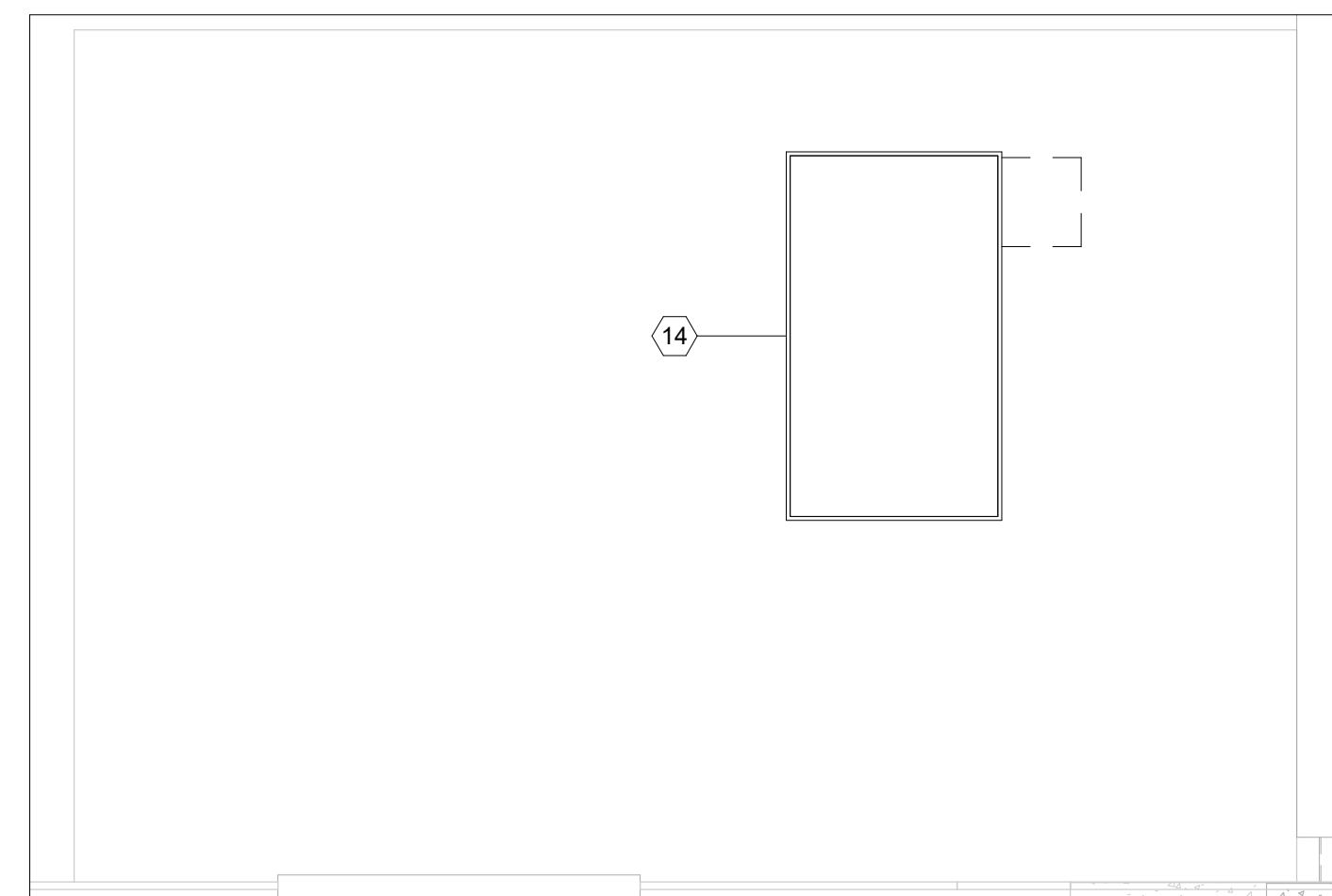
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AV302



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1 DIGITAL SIGNAGE - NORTH  
1/2" = 1'-0"

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PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

DIGITAL SIGNAGE SECTIONS AND ELEVATIONS

SCALE: 1/2" = 1'-0"

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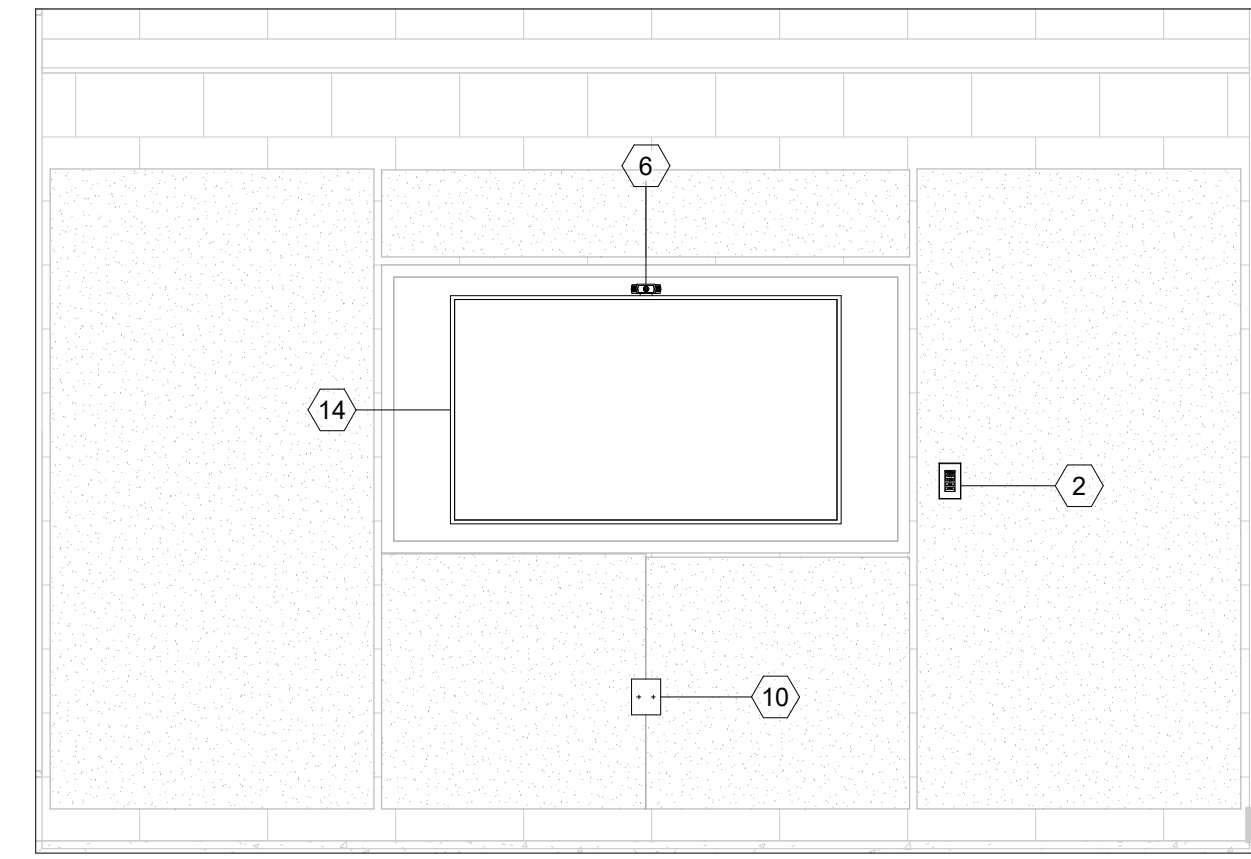
AV303

3 - AV		
TYPE	DETAIL	SHEET
KEY PLAN	1	AV102
ENLARGED PLAN	1	AV203
ELEVATION		AV303

3 - AV EQUIPMENT		
ID	COUNT	DESCRIPTION
14	1	77 1/32" 55" DISPLAY

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1 GAMING ROOM - SOUTH  
1/2" = 1'-0"



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PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

**GAMING ROOM SECTIONS AND ELEVATIONS**

SCALE: 1/2" = 1'-0"

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AV304

4 - AV		
TYPE	DETAIL	SHEET
KEY PLAN	1	AV102
ENLARGED PLAN	1	AV204
ELEVATION		AV304

4 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
2	1	45"	8-BUTTON CONTROL KEYPAD
6	1	69"	WEBCAM
10	1	18"	AV CONNECTION PLATE
14	1	39 5/8"	55" DISPLAY

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.

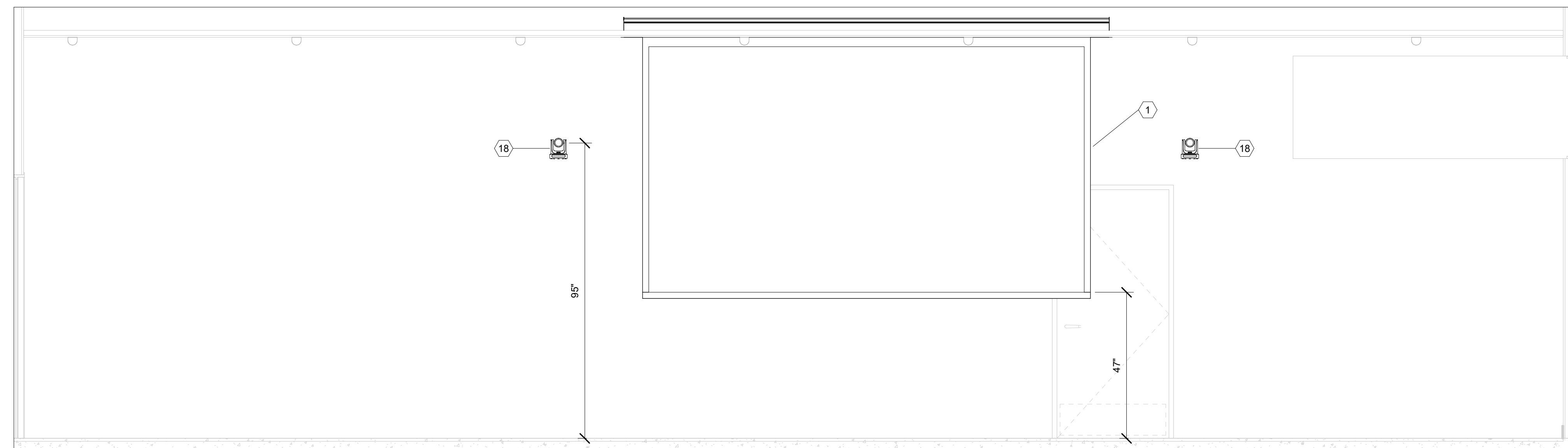


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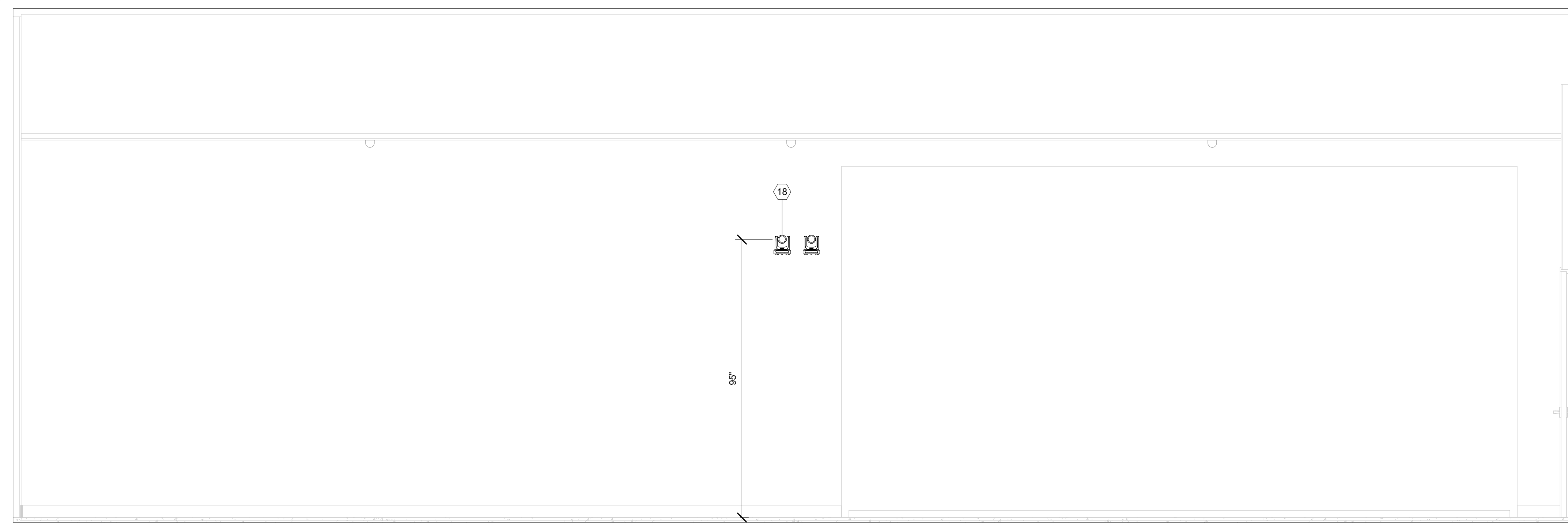
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1 COMMUNITY ROOM - EAST  
1/2" = 1'-0"



2 COMMUNITY ROOM - NORTH  
1/2" = 1'-0"



3 COMMUNITY ROOM - SOUTH  
1/2" = 1'-0"

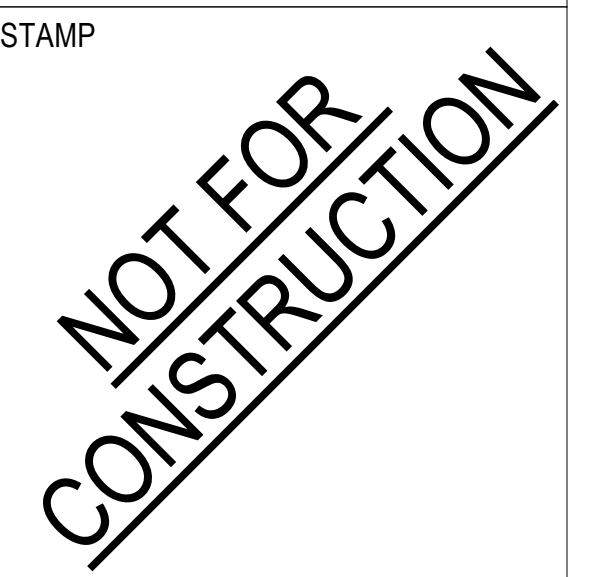
5 - AV		
TYPE	DETAIL	SHEET
KEY PLAN	1	AV102
ENLARGED PLAN	1	AV205
ENLARGED RCP	2	AV205
ELEVATION	1	AV305
ELEVATION	2	AV305
ELEVATION	3	AV305

5 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
1	1	61 1/8"	PROJECTION SCREEN
5	1	-68"	33" MULTIMEDIA LECTERN
10	1	-50"	AV CONNECTION PLATE
11	1	52 17/32"	PROJECTOR
13	9	59 1/2"	6.5" CEILING SPEAKER
15	2	-38"	OWNER FURNISHED MONITOR
18	4	22"	12X PTZ CAMERA
20	1	-38"	PTZ CAMERA CONTROLLER
56	1	0"	44RU EQUIPMENT RACK

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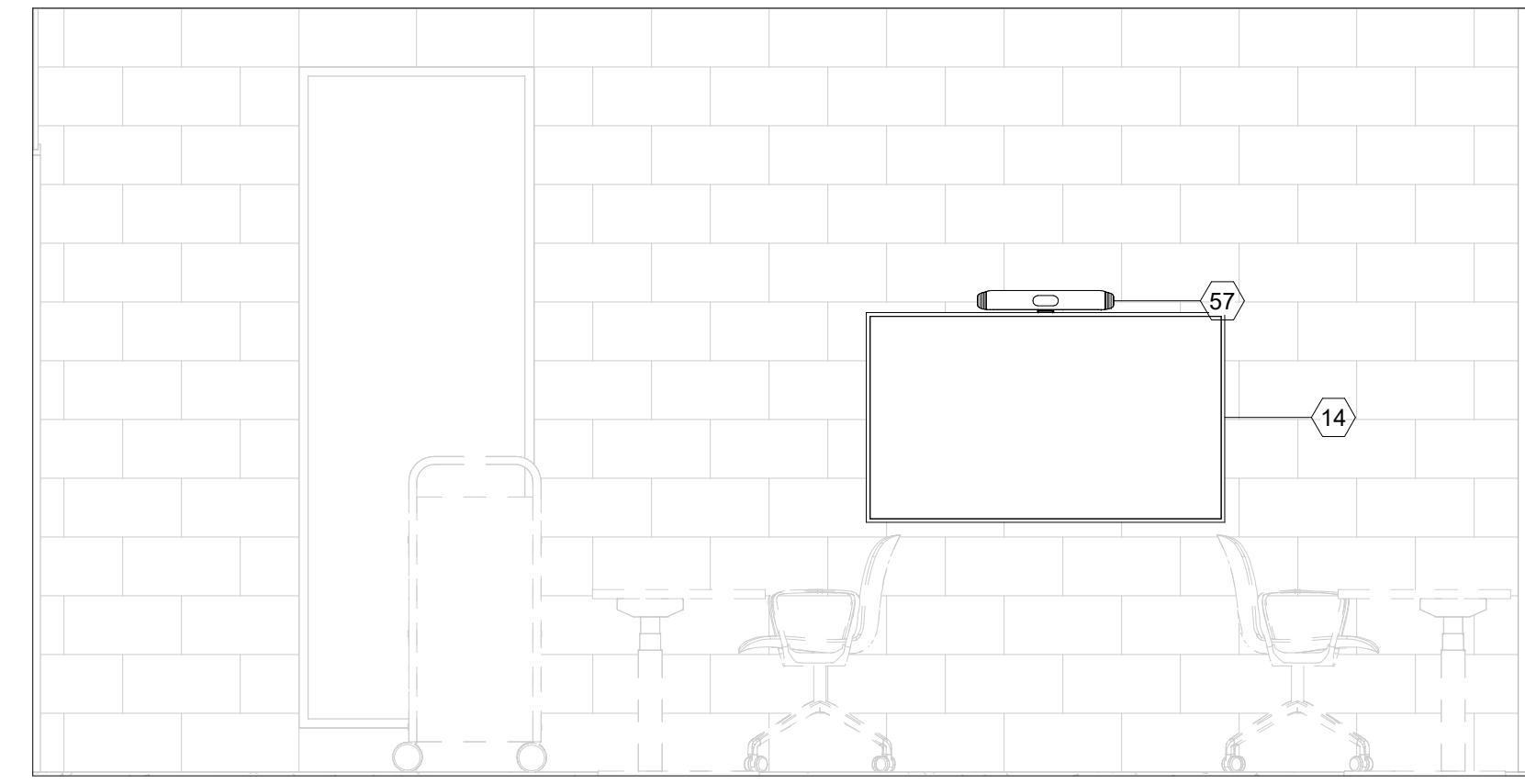
PROJECT TITLE:  
**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10/11/2023

SHEET TITLE:  
**COMMUNITY ROOM SECTIONS AND ELEVATIONS**

SCALE: 1/2" = 1'-0"

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1 OPEN WORK AREA - WEST 2  
1/2" = 1'-0"



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	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10/11/2023

SHEET TITLE:

**OPEN WORK AREA SECTIONS AND ELEVATIONS**

SCALE: 1/2" = 1'-0"

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AV306

6 - AV			
TYPE	DETAIL	SHEET	
KEY PLAN	1	AV102	
ENLARGED PLAN		AV206	
ELEVATION		AV306	

6 - AV EQUIPMENT			
ID	COUNT	AFF	DESCRIPTION
14	1	34"	55" DISPLAY
70	1	51"	MEDIUM TILT MICRO-ADJUSTABLE WALL DISPLAY MOUNT

ALL ELEVATION DIMENSIONS ARE FROM FINISHED FLOOR TO BOTTOM OF DEVICE UNLESS OTHERWISE NOTED.



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AV INFRASTRUCTURE SHEET SET	
Sheet Number	Sheet Name

0 - LEGEND	
EAV000	LEGEND
1 - KEY PLANS	
EAV101	FLOOR PLAN - LOWER LEVEL - AV INFRASTRUCTURE
EAV102	FLOOR PLAN - MAIN LEVEL - AV INFRASTRUCTURE
EAV101A	FLOOR PLAN - LOWER LEVEL - ADD ALTS - AV INFRASTRUCTURE
20-ENLARGED	
EAV201	TELE MEETING ROOM ENLARGED PLANS
EAV202	STAFF MEETING ROOM ENLARGED PLANS
EAV204	GAMING ROOM ENLARGED PLANS
EAV205	COMMUNITY ROOM ENLARGED PLANS
EAV203	DIGITAL SIGNAGE ENLARGED PLANS
EAV206	OPEN WORK AREA ENLARGED PLANS
30-SECTIONS AND ELEVATIONS	
EAV301	TELE MEETING ROOM SECTIONS AND ELEVATIONS
EAV302	STAFF MEETING ROOM SECTIONS AND ELEVATIONS
EAV303	DIGITAL SIGNAGE SECTIONS AND ELEVATIONS
EAV304	GAMING ROOM SECTIONS AND ELEVATIONS
EAV305	COMMUNITY ROOM SECTIONS AND ELEVATIONS
EAV306	OPEN WORK AREA SECTIONS AND ELEVATIONS

EXAMPLE SHEET SET	
Sheet Number	Sheet Name

0 - LEGEND	
000	LEGEND
1 - KEY PLANS	
101	KEY PLANS - LEVEL 01
102	KEY PLANS - LEVEL 02
2 - ENLARGEMENTS	
201	ENLARGED PLANS - SYSTEM 01
202	ENLARGED PLANS - SYSTEM 02
3 - ELEVATIONS AND SECTIONS	
301	ELEVATIONS AND SECTIONS - SYSTEM 01
302	ELEVATIONS AND SECTIONS - SYSTEM 02
4 - LINE DIAGRAMS	
401	LINE DIAGRAMS - SYSTEM 01
402	LINE DIAGRAMS - SYSTEM 02
5 - RACK ELEVATIONS	
501	RACK ELEVATIONS
6 - CUSTOM PLATES	
601	CUSTOM PLATES

SHEET LIST NAVIGATION	
ID	DESCRIPTION

0	SHEET LIST AND DRAWING SYMBOL LEGENDS
1	OVERALL KEY PLANS INDICATING SYSTEM LOCATIONS - SHEET NUMBER CORRESPONDS WITH LEVEL
2	ENLARGED PLANS PER SYSTEM - SHEET NUMBER CORRESPONDS TO SYSTEM ID
3	ELEVATIONS AND SECTIONS PER SYSTEM - SHEET NUMBER CORRESPONDS TO SYSTEM ID
4	LINE DIAGRAMS PER SYSTEM - SHEET NUMBER CORRESPONDS TO SYSTEM ID (AV ONLY)
5	AV EQUIPMENT RACK ELEVATIONS (AV ONLY)
6	CUSTOM PLATES AND METAL WORK (AV ONLY)

AV INFRASTRUCTURE SYMBOLS	
	DESCRIPTION

	CEILING PATHWAY
	FLOOR BOX
	WALL BOX

SEE 200 SERIES SHEETS AND SCHEDULES

INFRASTRUCTURE NOTES	
ID	Note

(1)	ALL ELEVATION DIMENSIONS ARE MEASURED FROM FINISHED FLOOR TO CENTER OF BOX. ALL INDICATIONS OF 18" AFF ARE INTENDED TO BE PROJECT RECEPTACLE HEIGHT.
(2)	ALL STUBS ACCESSABLE TO ABOVE FINISHED CEILING UNLESS OTHERWISE NOTED.
(3)	PROVIDE CABLE TRAY AT 7'6" AFF ABOVE ALL AV EQUIPMENT RACKS GREATER THAN 37RU. TROUGH OR STUBS DIRECTLY OVER SINGLE RACK AGAINST WALL WILL BE ACCEPTABLE.

CONDUIT INSTALLATION NOTES	
ID	ASSOCIATED WITH DIVISION 26

THE RACEWAY SYSTEM FOR AV CABLE SHALL FOLLOW THE NEC AND ALL LOCAL CODES GOVERNING THIS PROJECT. ADDITIONAL REQUIREMENTS ARE AS FOLLOWS:	
1	ALL RACEWAY SHOWN IN THESE "EAV" DRAWINGS IS FOR AV CABLE, AND IS IN ADDITION TO ANY CONDUIT SHOWN ON ANY OTHER DRAWINGS.
2	ROUTING OF CONDUIT SHOWN FOR DESIGN INTENT ONLY. COORDINATE EXACT ROUTE BASED ON FIELD CONDITIONS.
3	ALL CONDUIT CONNECTORS SHALL BE FURNISHED WITH NYLON BUSHINGS AND CHASE NIPPLES TO PREVENT DAMAGE TO CABLES FROM BURRED OR UNEVENLY CUT CONDUIT.
4	KEEP 90° BENDS TO A MINIMUM. THE CONDUIT SYSTEM SHALL NOT HAVE MORE THAN THREE 90° BENDS OR THEIR EQUIVALENT (270°) BETWEEN PULL BOXES.
5	ALL PULL BOXES AND OUTLET BOXES SHALL BE AT LEAST 3.5" DEEP.
6	INSTALL NYLON PULL STRINGS IN ALL CONDUITS.
7	CAULK OR OTHERWISE SEAL ALL PENETRATIONS THROUGH ACOUSTICAL PARTITIONS AND BARRIERS WITH ACOUSTICAL SEALANT. SEE DIV. 7 SEALANT SECTION.
8	ALL AV RELATED JUNCTION BOXES AND STUB OUTS SHALL REMAIN ACCESSIBLE AT ALL TIMES.
9	THE STANDARD SIZE FOR ALL AV CONDUIT SHALL BE 0.75" UNLESS OTHERWISE NOTED. ALL EXPOSED CONDUIT SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO STRUCTURE ABOVE.
10	WHERE CONDUIT CONNECTS CEILING SPEAKER ENCLOSURES, THE ENCLOSURES, AND ASSOCIATED SUPPORT HARDWARE SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
11	CEILING SPEAKERS ARE SHOWN FOR ZONING AND CONDUIT SIZING AND ROUTING ONLY. REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT CEILING SPEAKER LOCATIONS.
12	ALL CONDUIT SHALL BE (EMT) ELECTRICAL METAL TUBING OR (IMC) INTERMEDIATE METALLIC CONDUIT UNLESS OTHERWISE NOTED.
13	PVC IS UNACCEPTABLE UNLESS OTHERWISE NOTED.
14	CONDUIT RUNS NOT TO EXCEED 90M FROM END TO END ON ANY PATHWAY.
15	PROVIDE UNOBSTRUCTED PATH FROM ALL AV SPACES TO IDF/AV RACK ROOM.

AV INFRASTRUCTURE ADDITIONAL INFORMATION			
MANUFACTURER	MODEL	DESCRIPTION	ADDITIONAL INFORMATION

LEGRAND	8ATC	FLOOR BOX	PROVIDE TWO (2) 68REC AND A TOTAL OF THREE OF THE FOLLOWING: ONE (1) 175CHA-LJB FOR EACH .75" CONDUIT REQUIRED ONE (1) 1100CHA FOR EACH 1" CONDUIT REQUIRED ONE (1) 1125CHA FOR EACH 1.25" CONDUIT REQUIRED ONE (1) 1150CHA FOR EACH 1.5" CONDUIT REQUIRED (TAKES TWO SLOTS) ONE (1) 22CHA FOR EACH 2" CONDUIT REQUIRED (TAKES TWO SLOTS) 1BLH AS REQUIRED TO FILL REMAINING SLOTS
N/A	PASS-THRU STUB	CEILING PATHWAY	

THIS SYMBOL DESIGNATES AN AV ENABLED SPACE. THE NUMBER INDICATES THE ASSOCIATED SYSTEM ID. THE ARROW INDICATES ROOM FOCUS OR PRIMARY USER ENGAGEMENT DIRECTION.

### RECORD DRAWINGS

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NO. DATE REVISIONS

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PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

### LEGEND

SCALE:

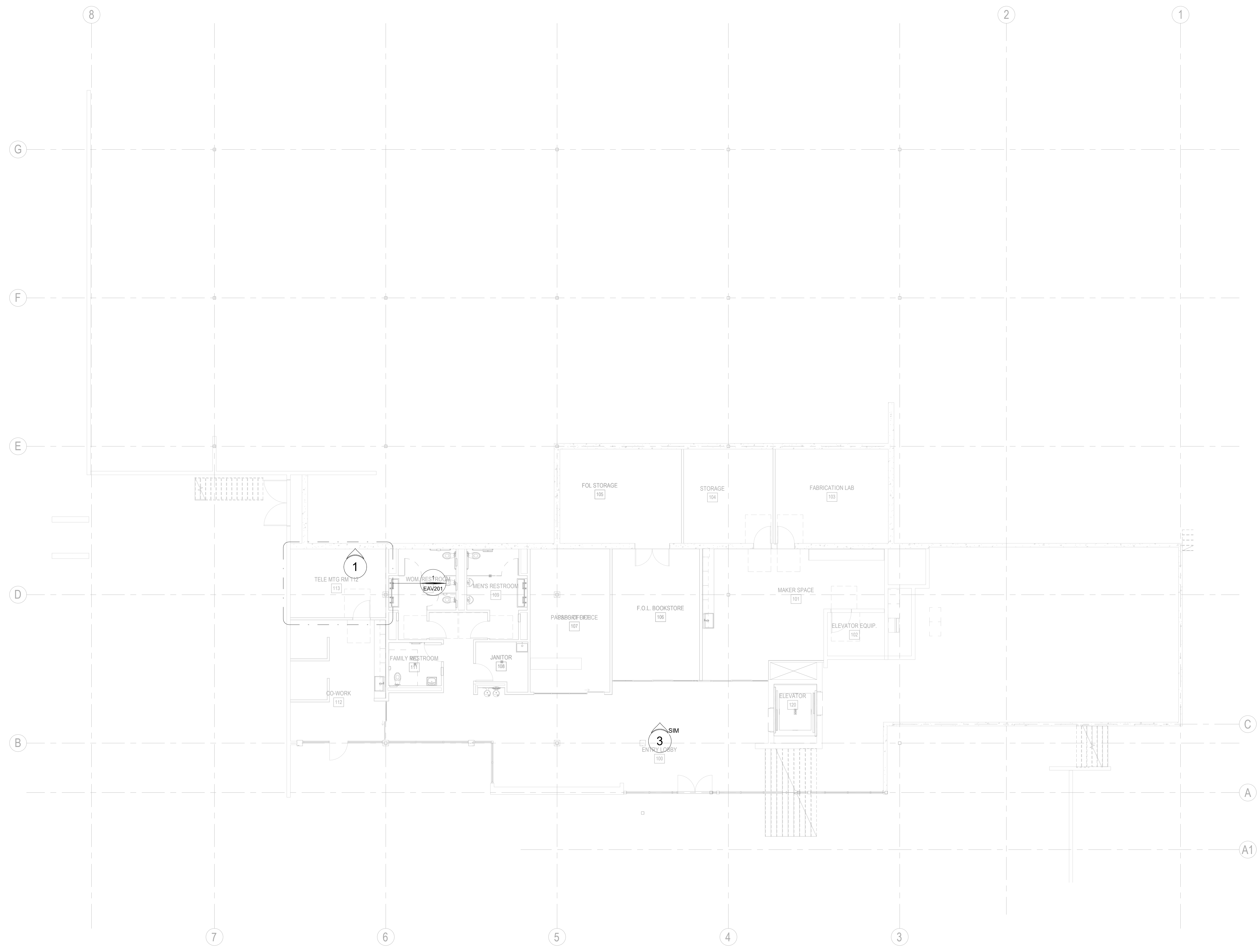
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EAV000



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PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

**FLOOR PLAN - LOWER LEVEL - AV INFRASTRUCTURE**

SCALE: 1/8" = 1'-0"

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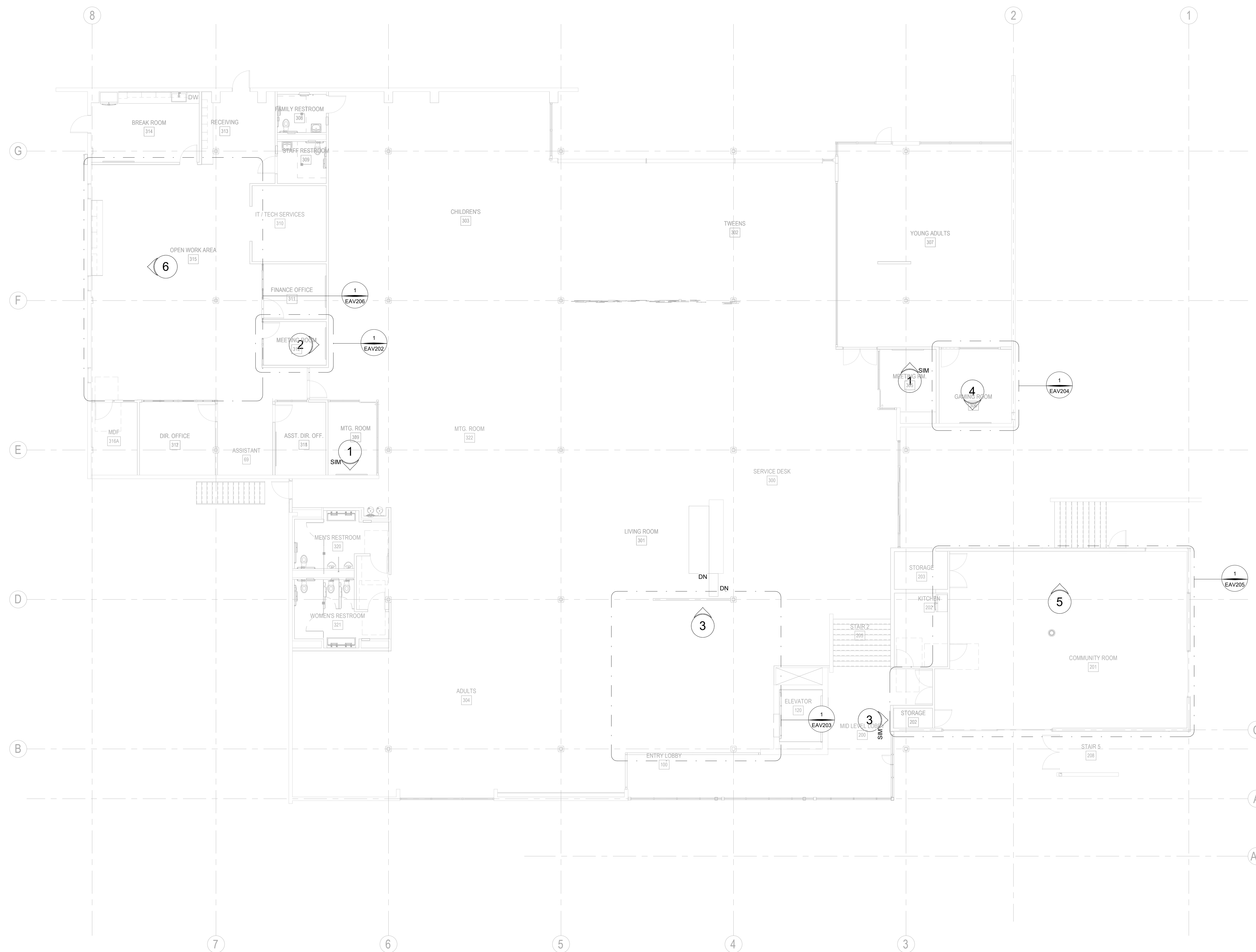
EAV101

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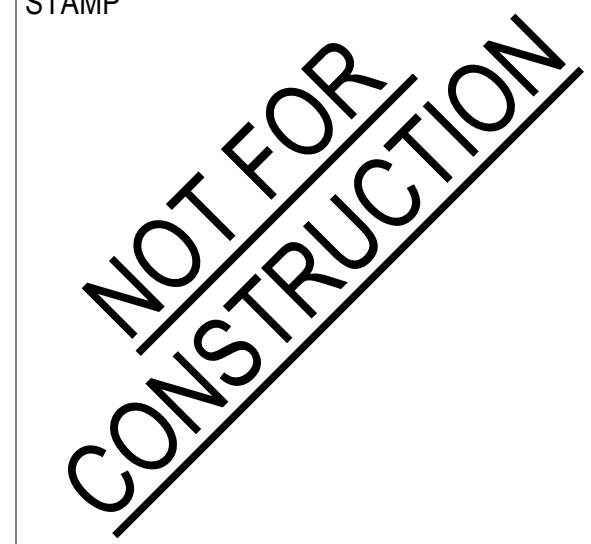


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PROJECT TITLE:

ALTADENA MAIN LIBRARY

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ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

FLOOR PLAN - MAIN LEVEL - AV INFRASTRUCTURE

SCALE: 1/8" = 1'-0"

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EAV102

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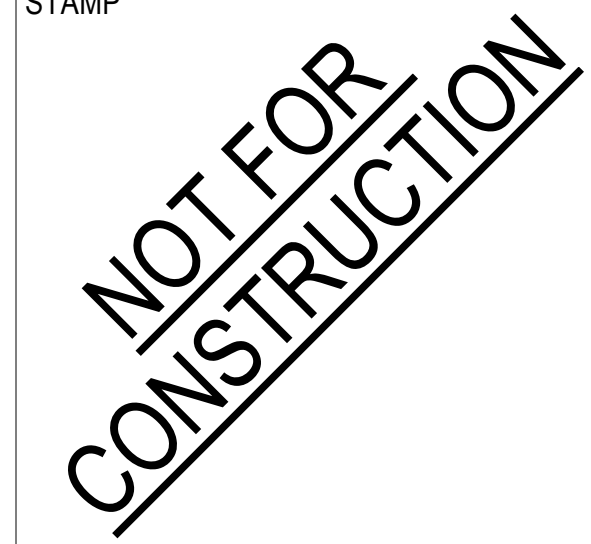


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PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

FLOOR PLAN -  
LOWER LEVEL - ADD  
ALTS - AV  
INFRASTRUCTURE

SCALE: 1/8" = 1'-0"

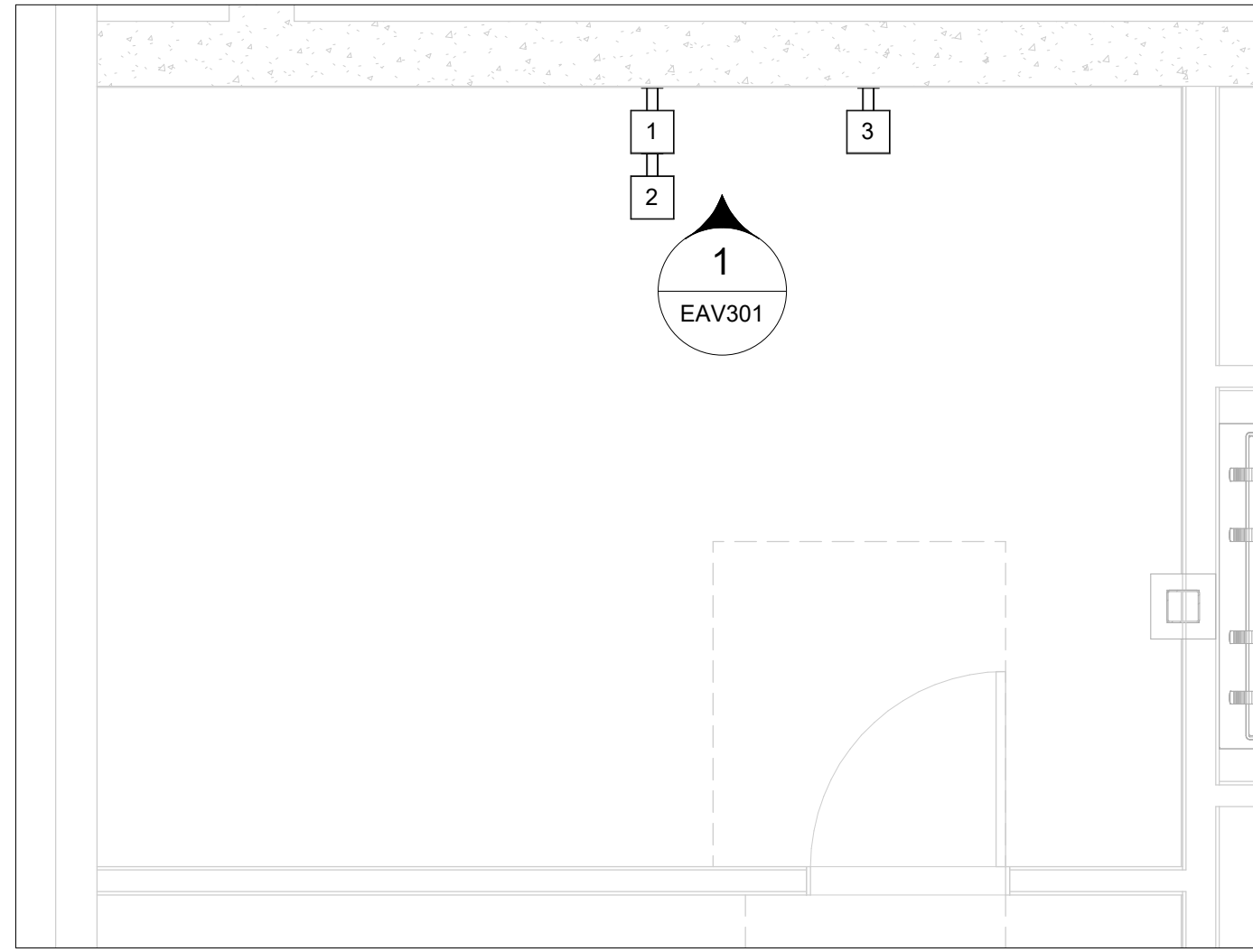
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EAV101A



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1 TELE MEETING ROOM  
3/8" = 1'-0"

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PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

TELE MEETING ROOM ENLARGED PLANS

SCALE: 3/8" = 1'-0"

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EAV201

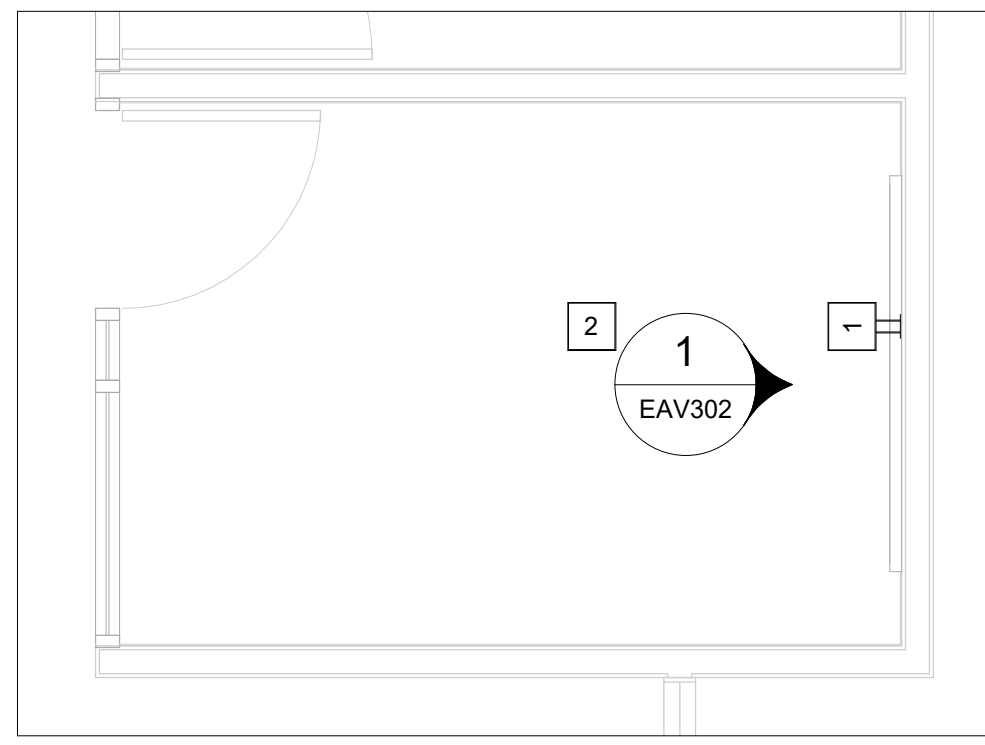
1 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV101
KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV201
ELEVATION		EAV301

1 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	32"	RACO	689	ONE 1 1/4" TO BOX
2	52"	FSR INC	PWB-FR-450 WHT	
3	45"	RACO	689	ONE 1" TO BOX

1 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	32"	RACO	689	ONE 1 1/4" TO BOX
2	52"	FSR INC	PWB-FR-450 WHT	
3	45"	RACO	689	ONE 1" TO BOX

SEE EAV000 FOR PROJECT NOTES AND DEFINITIONS.





1 STAFF MEETING ROOM  
3/8" = 1'-0"



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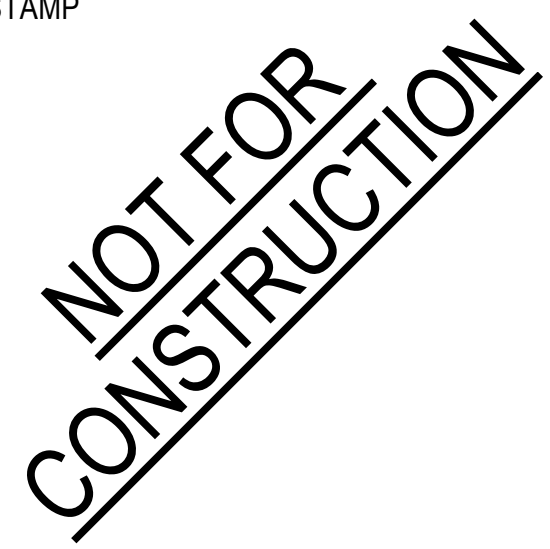
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	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

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600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

STAFF MEETING ROOM ENLARGED PLANS

SCALE: 3/8" = 1'-0"

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EAV202

2 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV101
KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV202
ELEVATION		EAV302

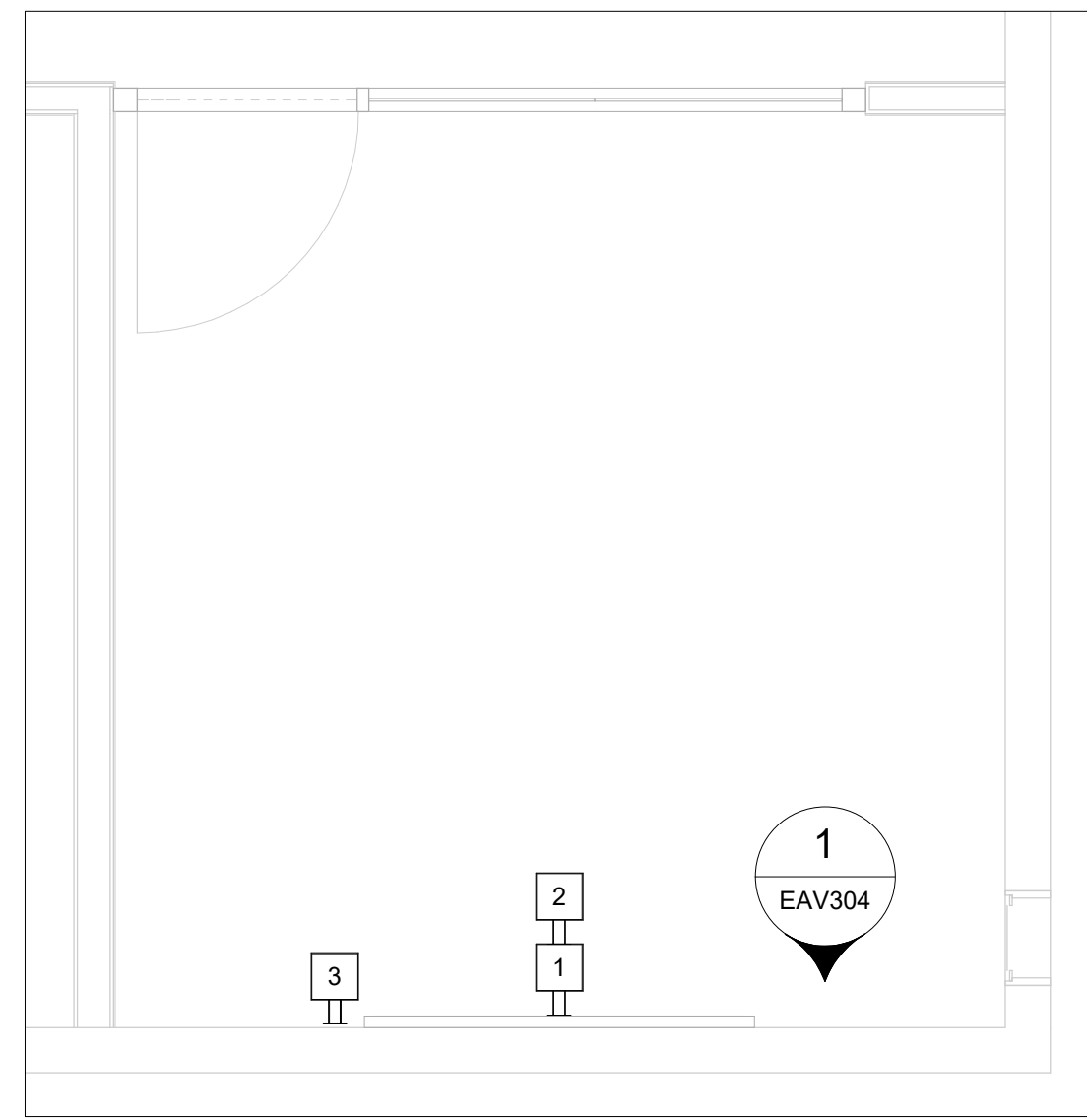
2 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	44"	FSR INC	PWB-FR-450 WHT	
2	0"	LEGRAND	8ATC	ONE 1" TO BOX

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1 GAMING ROOM  
3/8" = 1'-0"

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PROJECT TITLE:

ALTADENA MAIN  
LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

GAMING ROOM  
ENLARGED PLANS

SCALE: 3/8" = 1'-0"

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EAV204

4 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV204
ENLARGED RCP	2	EAV204
ELEVATION		EAV304

ENLARGED PLAN	1	EAV204
ENLARGED RCP	2	EAV204
ELEVATION		EAV304

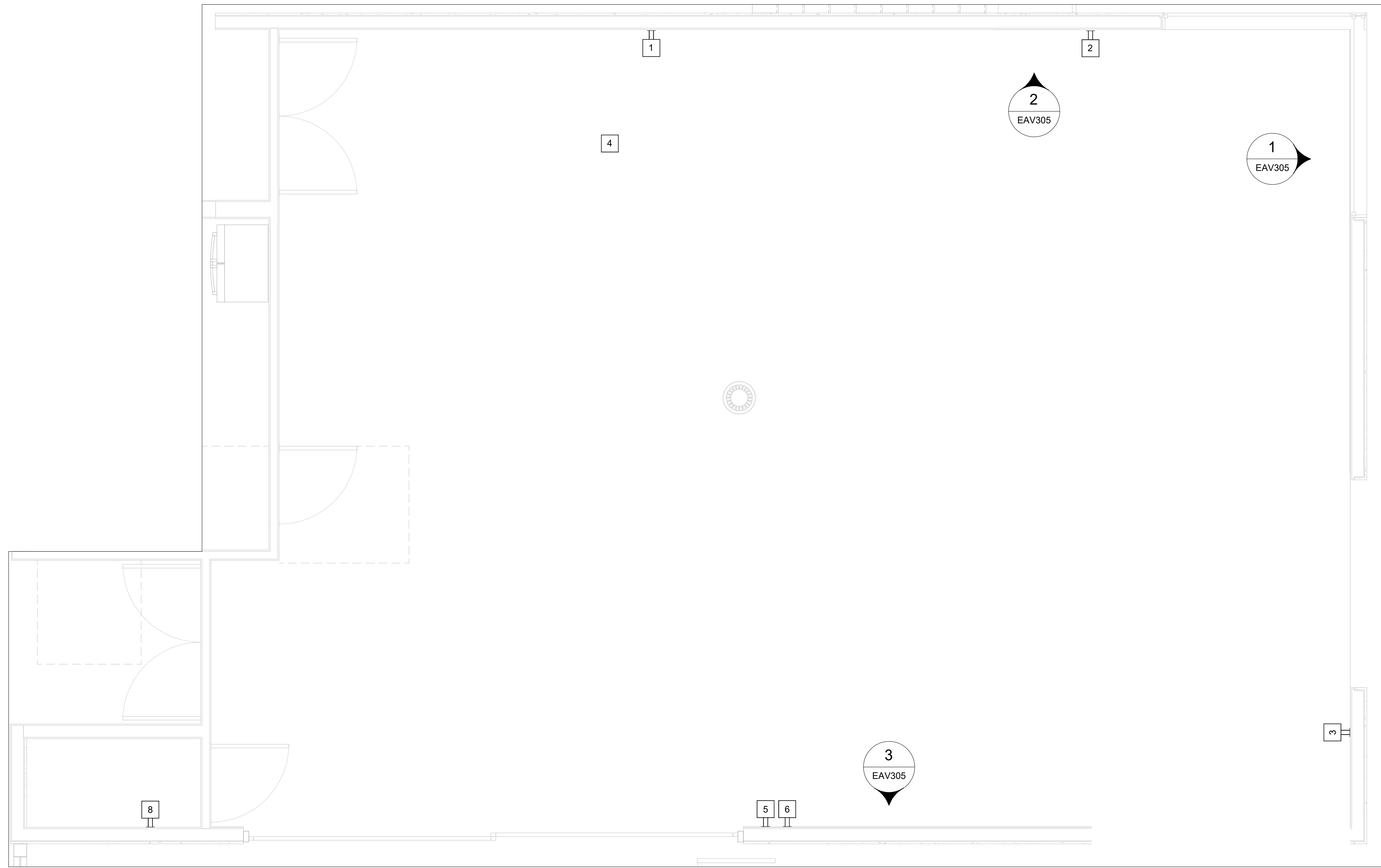
4 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	18"	RACO	985	ONE 1 1/4" TO BOX
2	54"	FSR INC	PWB-FR-450 WHT	
3	45"	RACO	689	ONE 1" TO BOX

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1 COMMUNITY ROOM  
3/8" = 1'-0"



2 COMMUNITY ROOM  
3/8" = 1'-0"

5 - EAV		
TYPE	DETAIL	SHEET

KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV205
ENLARGED RCP	2	EAV205
ELEVATION	1	EAV305
ELEVATION	2	EAV305
ELEVATION	3	EAV305

5 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	24"	RACO	985	ONE 1" STUB
2	24"	RACO	985	ONE 1" STUB
3	-50"	RACO	985	ONE 1" STUB
4	-68"	LEGRAND	8ATC	ONE 1" STUB
5	24"	RACO	985	ONE 1" STUB
6	24"	RACO	985	ONE 1" STUB
7	108"	N/A	PASS-THRU STUB	THREE 1" STUB
8	28"		TROUGH	THREE 1" STUB

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PROJECT TITLE:

**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10/11/2023

SHEET TITLE:

**COMMUNITY ROOM ENLARGED PLANS**

SCALE: 3/8" = 1'-0"

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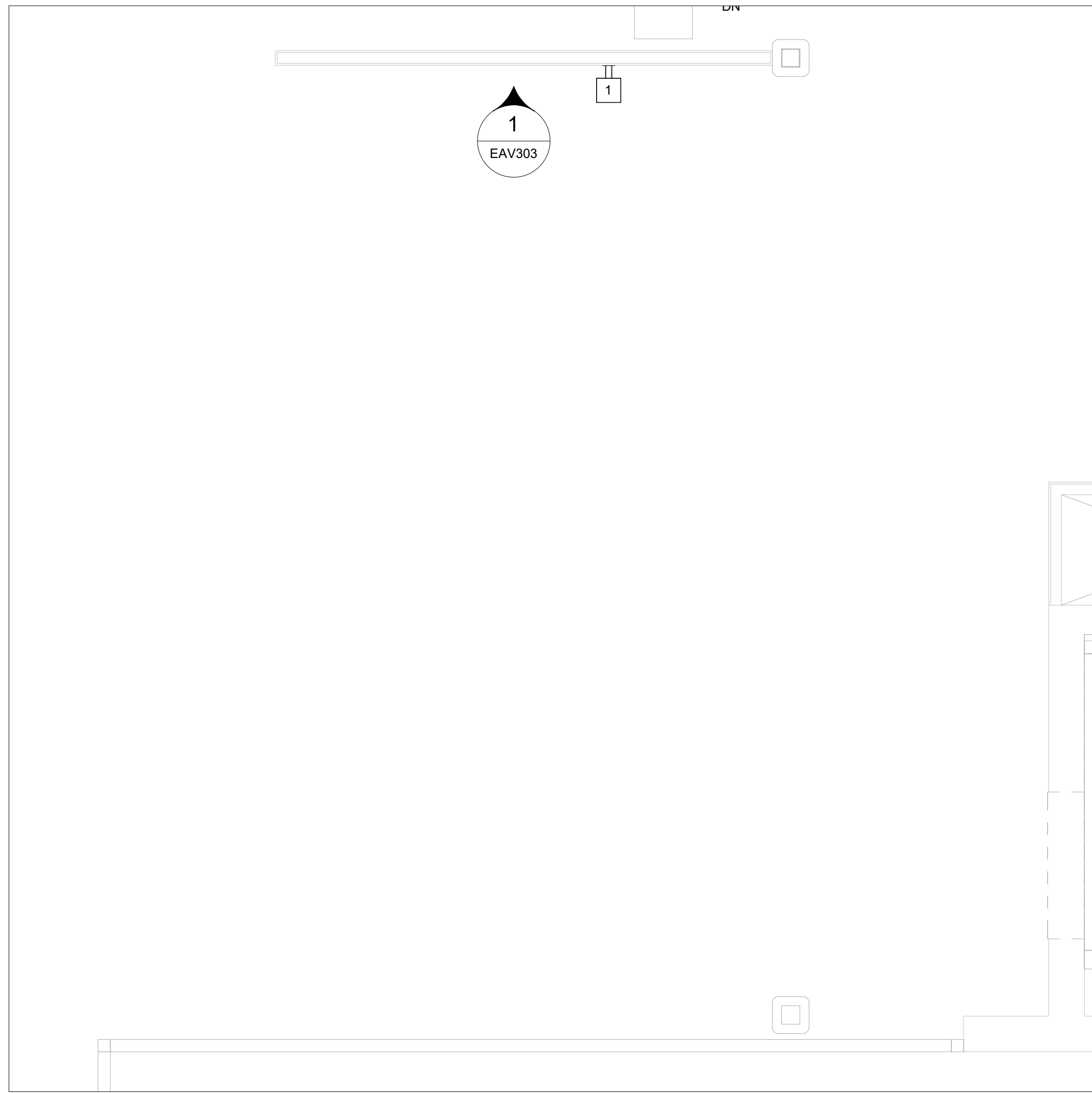
EAV205

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1 DIGITAL SIGNAGE  
3/8" = 1'-0"

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	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

ALTADENA MAIN  
LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

DIGITAL SIGNAGE  
ENLARGED PLANS

SCALE: 3/8" = 1'-0"

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EAV203

3 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV203
ELEVATION		EAV303

3 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	72"	FSR INC	PWB-FR-450 WHT	

SEE EAV000 FOR PROJECT NOTES AND DEFINITIONS.

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NO.	DATE	REVISIONS
1	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

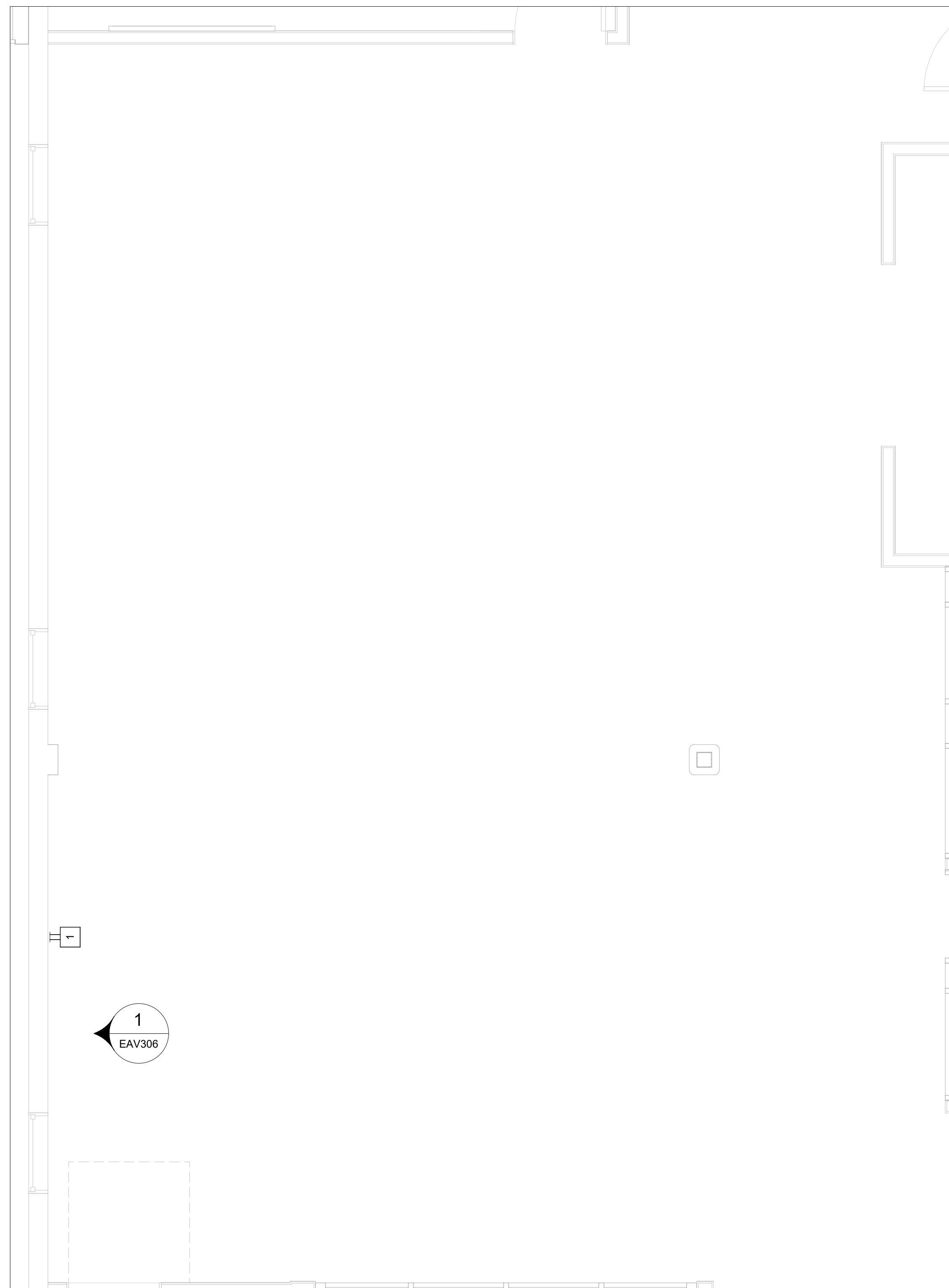
SHEET TITLE:

OPEN WORK AREA  
ENLARGED PLANS

SCALE: 3/8" = 1'-0"

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EAV206



1 OPEN WORK AREA  
3/8" = 1'-0"

6 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV102
ENLARGED PLAN		EAV206
ELEVATION		EAV306

6 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	51"	FSR INC	PWB-FR-450 WHT	

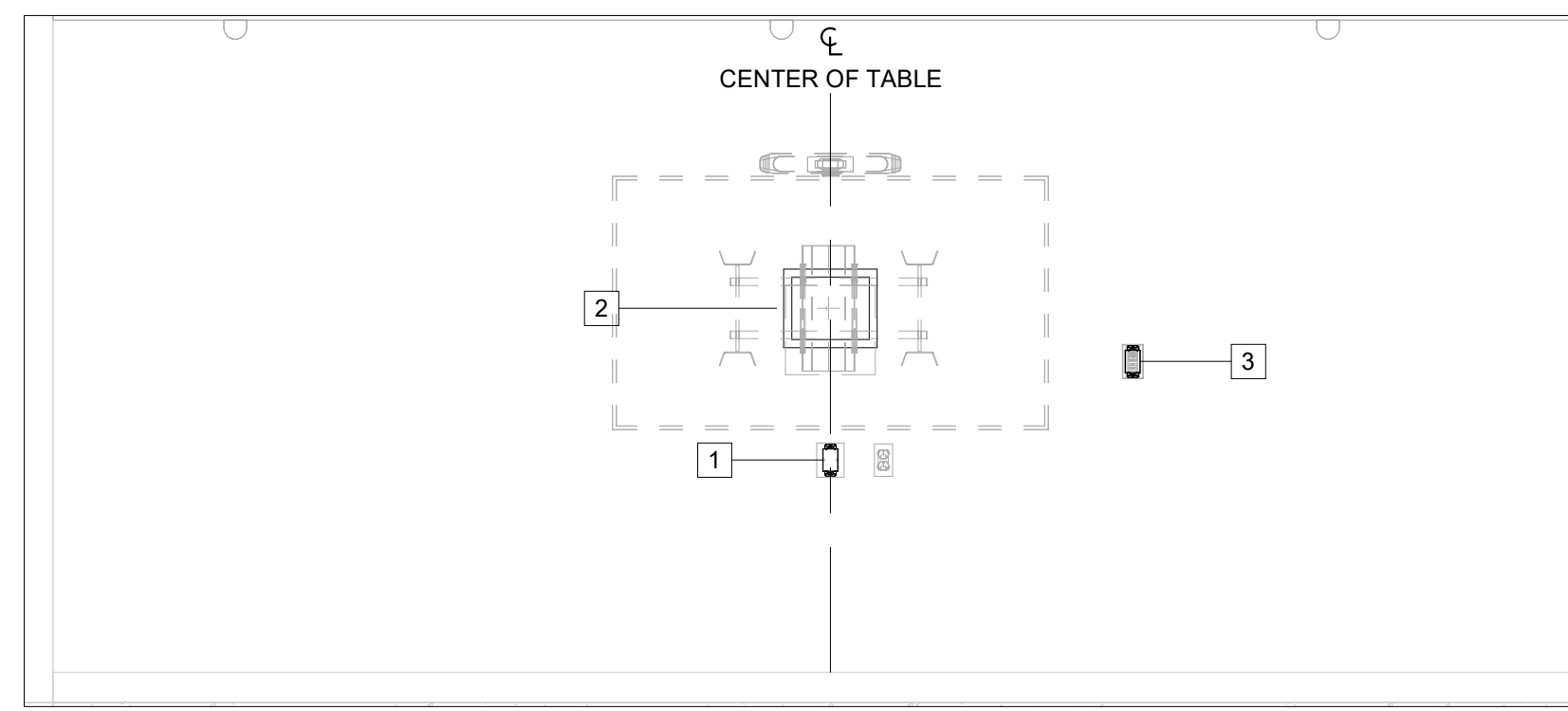
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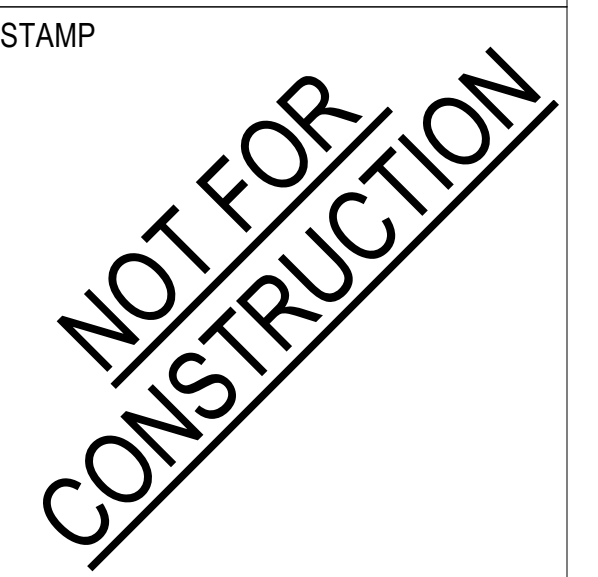
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1 TELE MEETING ROOM - NORTH  
1/2" = 1'-0"

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NO.	DATE	REVISIONS
	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

TELE MEETING ROOM SECTIONS AND ELEVATIONS

SCALE: 1/2" = 1'-0"

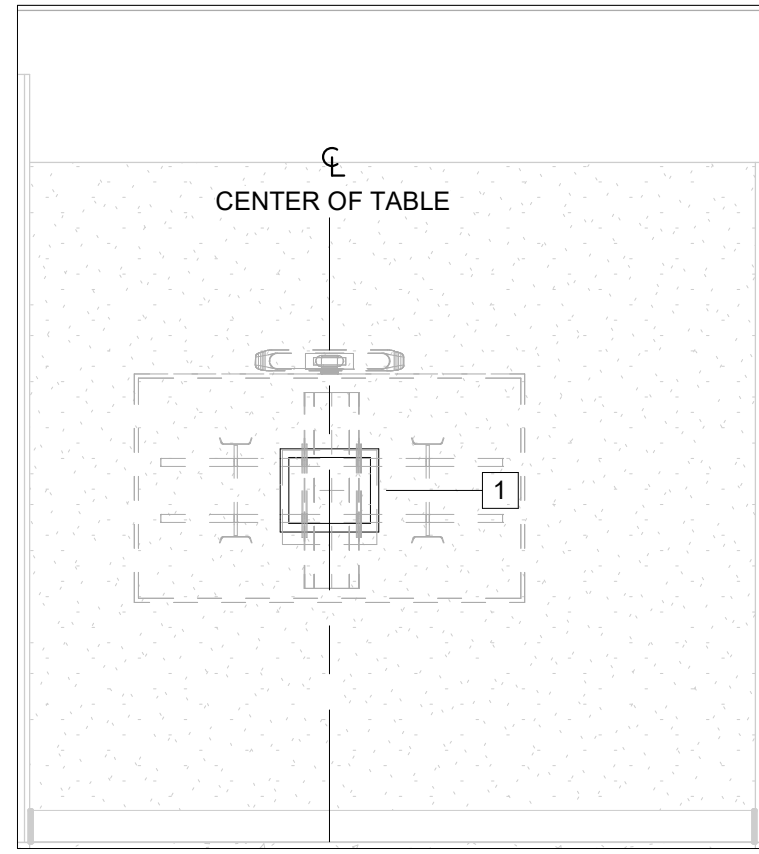
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EAV301

1 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV101
KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV201
ELEVATION		EAV301

1 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	32"	RACO	689	ONE 1 1/4" TO BOX
2	52"	FSR INC	PWB-FR-450 WHT	
3	45"	RACO	689	ONE 1" TO BOX

SEE EAV000 FOR PROJECT NOTES AND DEFINITIONS.



1 STAFF MEETING ROOM - EAST  
1/2" = 1'-0"



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NO.	DATE	REVISIONS
	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**  
600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

**STAFF MEETING ROOM SECTIONS AND ELEVATIONS**

SCALE: 1/2" = 1'-0"

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EAV302

2 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV101
KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV202
ELEVATION		EAV302

2 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	44"	FSR INC	PWB-FR-450 WHT	
2	0"	LEGRAND	8ATC	ONE 1" TO BOX

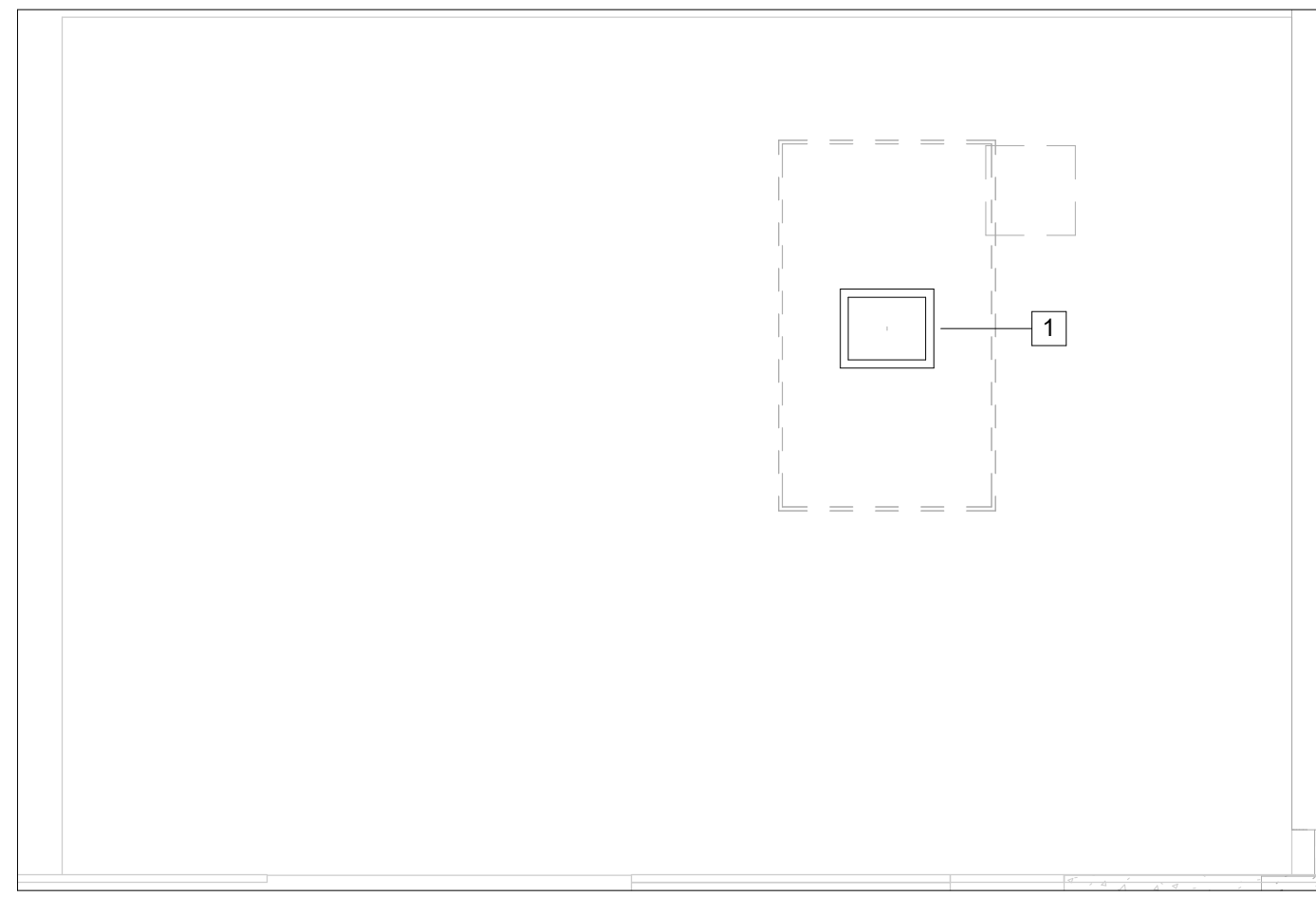
SEE EAV000 FOR PROJECT NOTES AND DEFINITIONS.

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1 DIGITAL SIGNAGE - NORTH  
1/2" = 1'-0"

RECORD DRAWINGS

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600 E MARIPOSA STREET  
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PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

DIGITAL SIGNAGE SECTIONS AND ELEVATIONS

SCALE: 1/2" = 1'-0"

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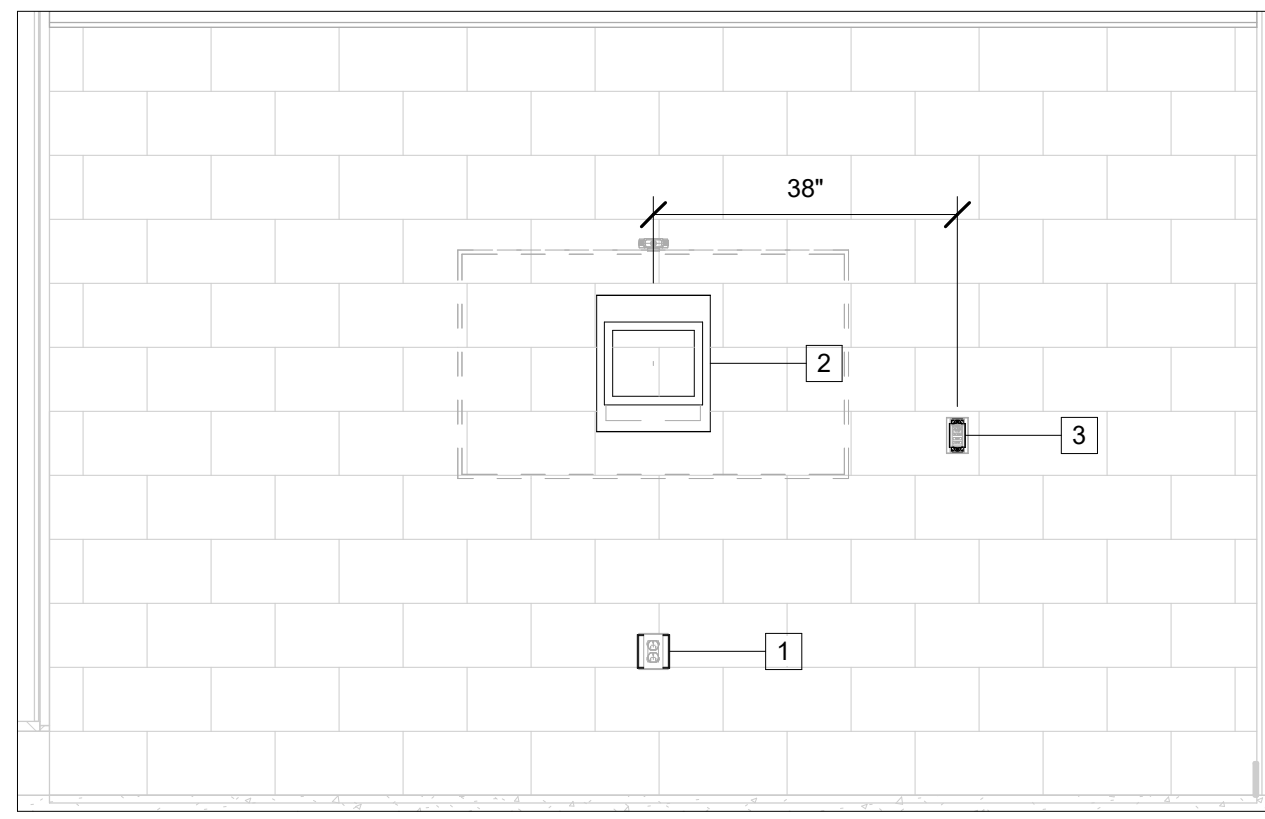
EAV303

3 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV203
ELEVATION		EAV303

3 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	72"	FSR INC	PWB-FR-450 WHT	

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1 GAMING ROOM - SOUTH  
1/2" = 1'-0"



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**GAMING ROOM SECTIONS AND ELEVATIONS**

SCALE: 1/2" = 1'-0"

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EAV304

4 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV204
ENLARGED RCP	2	EAV204
ELEVATION		EAV304

4 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	18"	RACO	985	ONE 1 1/4" TO BOX
2	54"	FSR INC	PWB-FR-450 WHT	
3	45"	RACO	689	ONE 1" TO BOX

4 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	18"	RACO	985	ONE 1 1/4" TO BOX
2	54"	FSR INC	PWB-FR-450 WHT	
3	45"	RACO	689	ONE 1" TO BOX

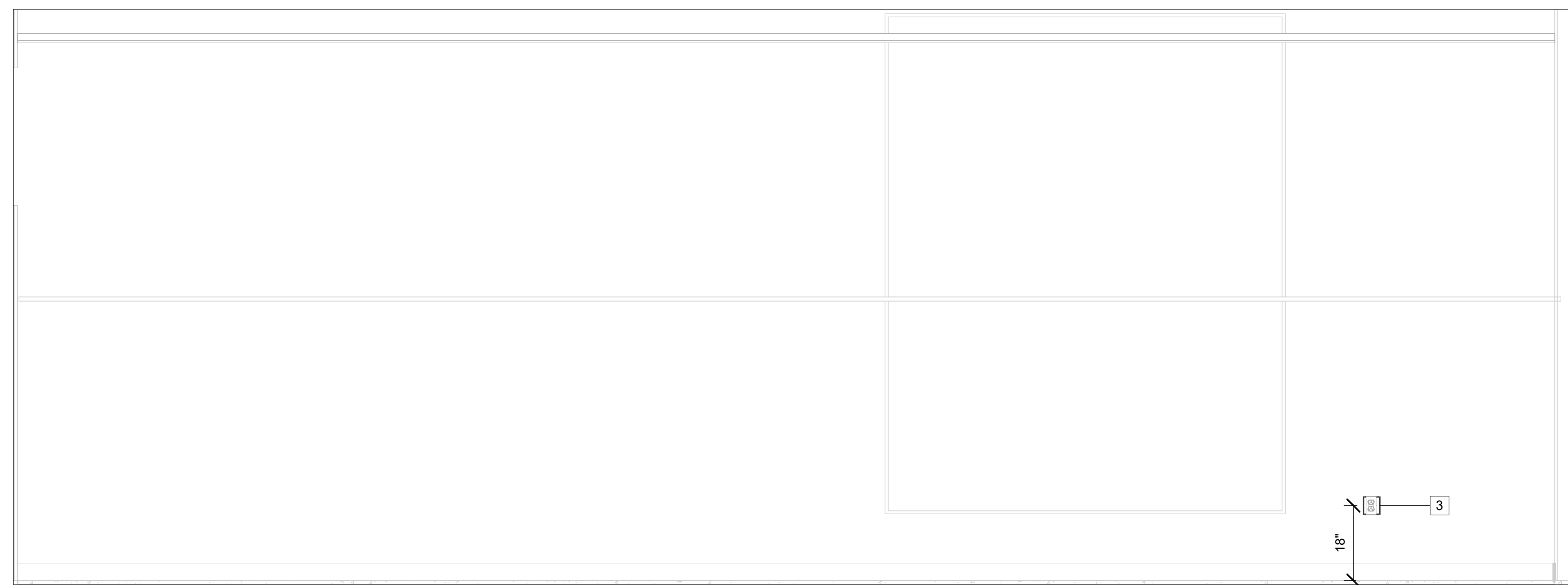
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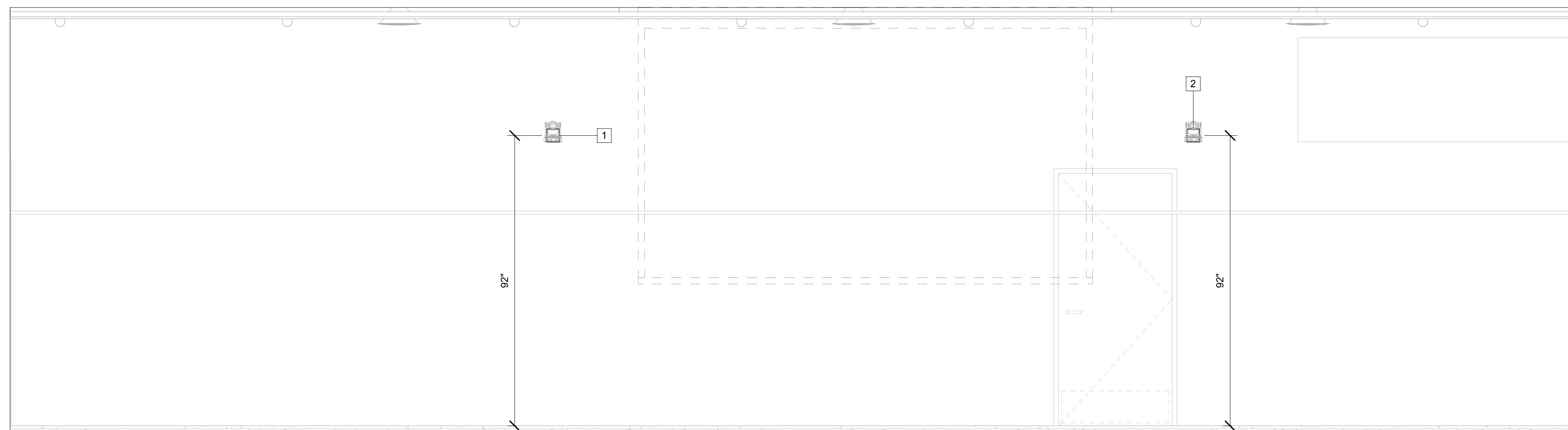


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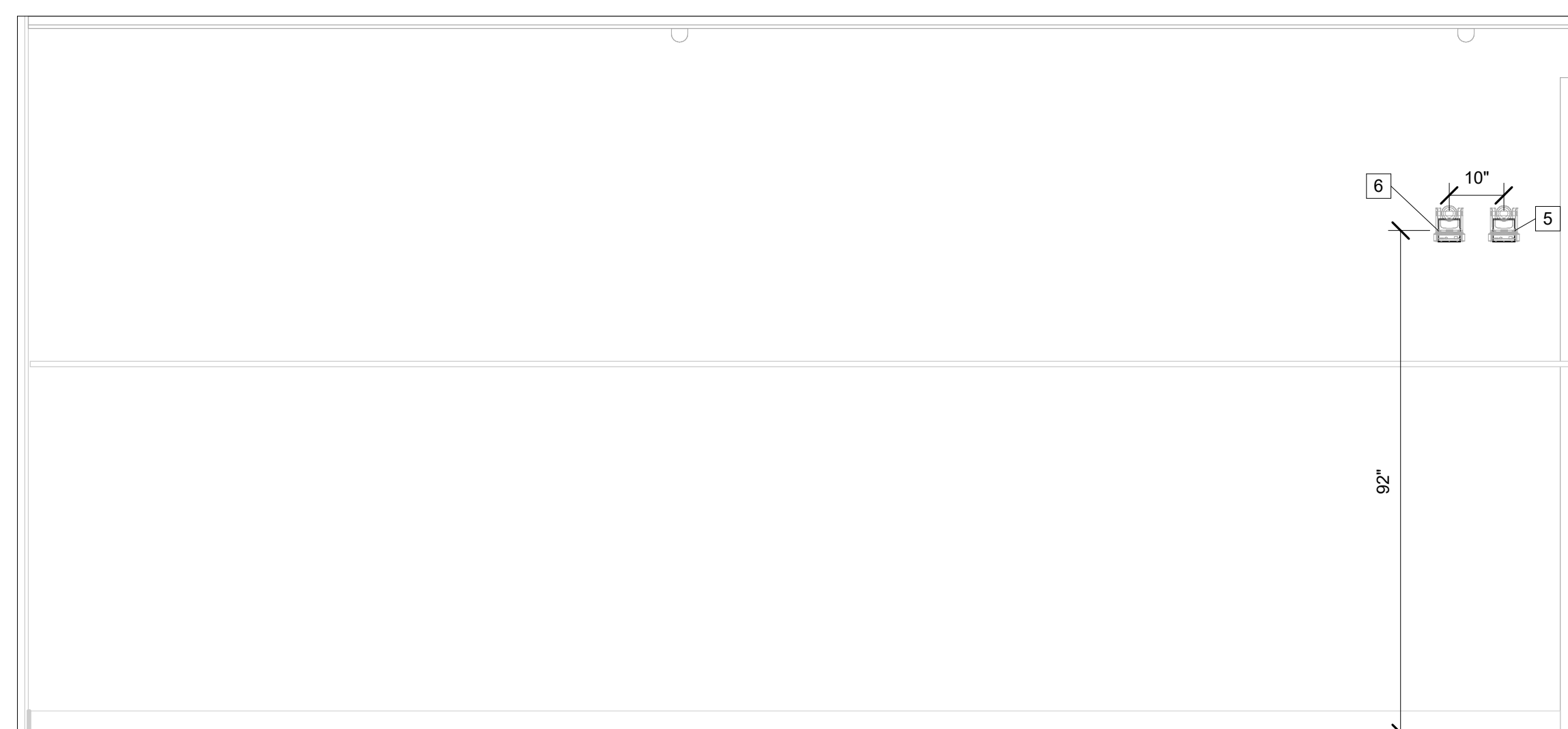
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1 COMMUNITY ROOM - EAST  
1/2" = 1'-0"



2 COMMUNITY ROOM - NORTH  
1/2" = 1'-0"



3 COMMUNITY ROOM - SOUTH  
1/2" = 1'-0"

5 - EAV		
TYPE	DETAIL	SHEET

KEY PLAN	1	EAV102
ENLARGED PLAN	1	EAV205
ENLARGED RCP	2	EAV205
ELEVATION	1	EAV305
ELEVATION	2	EAV305
ELEVATION	3	EAV305

5 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	24"	RACO	985	ONE 1" STUB
2	24"	RACO	985	ONE 1" STUB
3	-50"	RACO	985	ONE 1" STUB
4	-68"	LEGRAND	8ATC	ONE 1" STUB
5	24"	RACO	985	ONE 1" STUB
6	24"	RACO	985	ONE 1" STUB
7	108"	N/A	PASS-THRU STUB	THREE 1" STUB
8	28"		TROUGH	THREE 1" STUB

SEE EAV000 FOR PROJECT NOTES AND DEFINITIONS.

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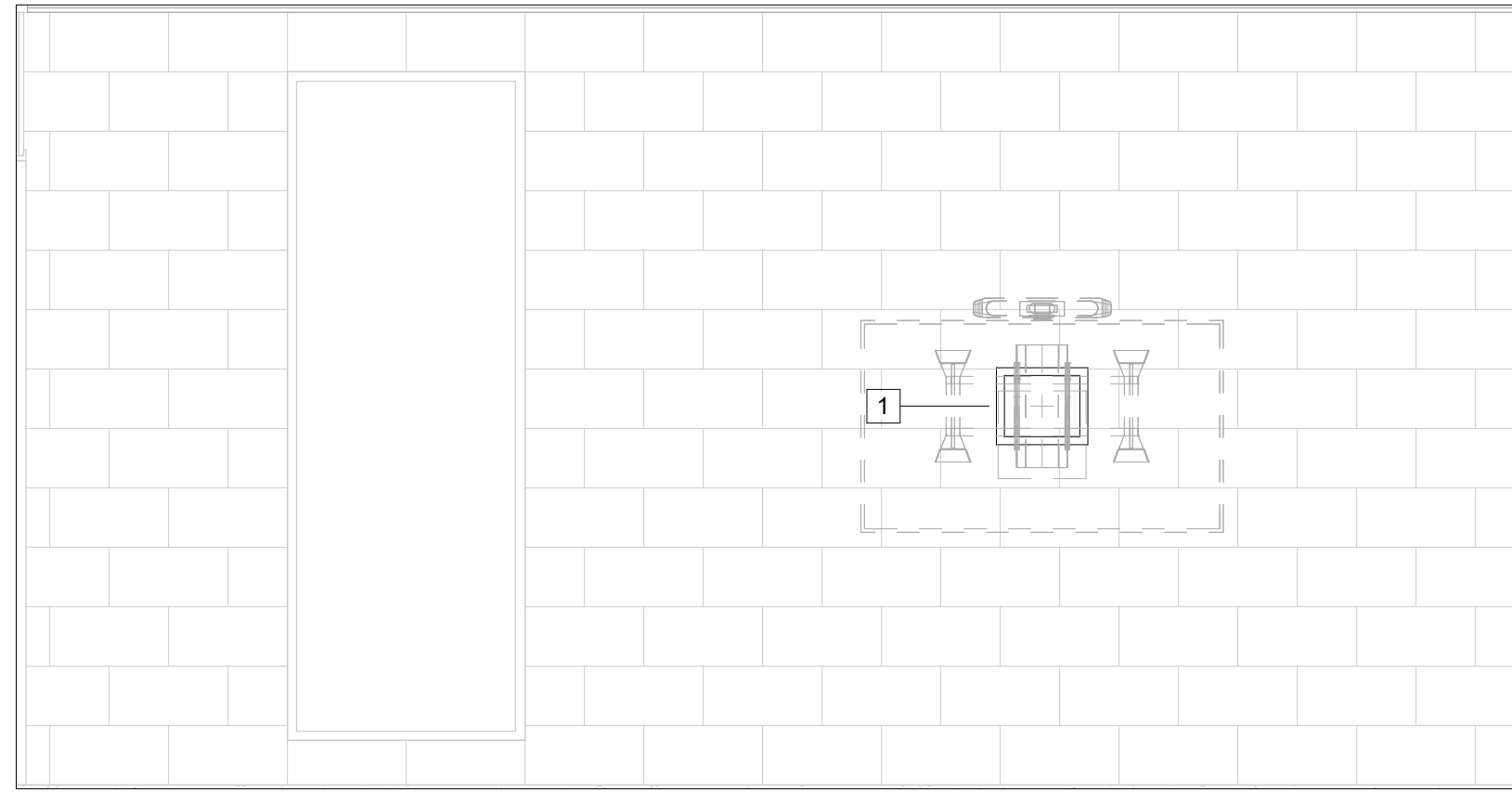
SHEET TITLE:

COMMUNITY ROOM SECTIONS AND ELEVATIONS

SCALE: 1/2" = 1'-0"

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EAV305



1 OPEN WORK AREA - WEST 2  
1/2" = 1'-0"



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SHEET TITLE:

**OPEN WORK AREA SECTIONS AND ELEVATIONS**

SCALE: 1/2" = 1'-0"

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EAV306

6 - EAV		
TYPE	DETAIL	SHEET
KEY PLAN	1	EAV102
ENLARGED PLAN		EAV206
ELEVATION		EAV306

6 - AV INFRASTRUCTURE				
ID	AFF (1)	MAKE	MODEL	RACEWAYS
1	51"	FSR INC	PWB-FR-450 WHT	

SEE EAV000 FOR PROJECT NOTES AND DEFINITIONS.

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TELECOMMUNICATION SHEET SET	
SHEET NUMBER	SHEET TITLE
0 - LEGEND	
T000	TELECOM SYMBOLS AND NOTES
T001	TELECOM STANDARDS (1 OF 2)
T002	TELECOM STANDARDS (2 OF 2)
10 - KEY PLANS	
T100	TELECOM SITE PLAN
T100A	TELECOM SITE PLAN - ADD ALTS
T101	TELECOM LOWER LEVEL FLOOR PLAN
T101A	TELECOM LOWER LEVEL FLOOR PLAN - ADD ALTS
T102	TELECOM MAIN LEVEL FLOOR PLAN
T102A	TELECOM MAIN LEVEL FLOOR PLAN - ADD ALTS
20 - ENLARGEMENTS	
T201	TELECOM ENLARGED PLANS
T201A	TELECOM ENLARGED PLANS - ADD ALTS
30 - RACK ELEVATIONS	
T301	TELECOM RACK ELEVATIONS
T301A	TELECOM RACK ELEVATIONS - ADD ALTS
40 - RISER DIAGRAMS	
T401A	TELECOM RISER DIAGRAMS - ADD ALTS

SEPARATION DISTANCE BETWEEN POWER CABLES AND DATA CABLES			
CONDITION	MINIMUM SEPARATION DISTANCE		
	< 2 kVA	2-5 kVA	> 5kVA
UNSHIELDED POWER LINES OR ELECTRICAL EQUIPMENT IN PROXIMITY TO OPEN OR NONMETAL PATHWAYS.	5"	12"	24"
UNSHIELDED POWER LINES OR ELECTRICAL EQUIPMENT IN PROXIMITY TO A GROUNDED METAL CONDUIT PATHWAY.	2.5"	6"	12"
POWER LINES ENCLOSED IN A GROUNDED METAL CONDUIT (OR EQUIVALENT SHIELDING) IN PROXIMITY TO A GROUNDED METAL CONDUIT PATHWAY.		3"	6"
ELECTRICAL MOTORS AND TRANSFORMERS.			48"

SEPARATION DISTANCE BETWEEN DATA CABLES AND SPECIFIC EMI SOURCES	
SOURCE OF DISTURBANCE	MINIMUM SEPARATION DISTANCE
FLUORESCENT LAMPS	5"
NEON LAMPS	5"
MERCURY VAPOUR LAMPS	5"
HIGH-INTENSITY DISCHARGE LAMPS	5"
ARC WELDERS	31"
FREQUENCY INDUCTION HEATING	39"

50' DISTANCE LIMIT RULE	
A.	IN NO CASE MUST A NON-LISTED OUTSIDE PLANT OR INCOMING SERVICE OUTDOOR RATED CABLE EXCEED 50 FEET FROM THE POINT OF ENTRANCE INTO ANY BUILDING. IF ON-SITE CONDITIONS RESULT IN A CASE WHERE THE CABLE EXCEEDS THE DISTANCE LIMIT THE CONTRACTOR MUST ADVISE A SOLUTION WITH THE PROJECT CONSULTANT. IN ALL CASES THE SOLUTION WOULD NEED TO INVOLVE EITHER TRANSITIONING FROM OUTDOOR NON-LISTED TO INDOOR LISTED CABLE VIA A SPLICE POINT (E.G. SPLICE CASE OR SPLICE ENCLOSURE FOR FIBER, PROTECTOR BLOCK FOR COPPER ETC.) OR THE ALTERNATIVE SHOULD BE TO ENCLOSE THE OUTDOOR RATED CABLE WITHIN INTERMEDIATE METAL CONDUIT (IMC) OR RIGID METAL CONDUIT (RMC) THAT IS PROPERLY SEALED AND BONDED TO A GROUNDING ELECTRODE. RETAINING THE OUTDOOR CABLE WITHIN CONDUIT SHOULD EFFECTIVELY EXTEND THE POINT OF ENTRANCE INTO THE BUILDING.

OSP DETECTION TAPE INCLUSION	
A.	IN ORDER TO REDUCE THE CHANCE OF ACCIDENTAL DIG-UP OF OUTSIDE PLANT DUCTBANK ELEMENTS IN THE FUTURE, PROVIDE A DETECTABLE WARNING TAPE CONTAINING METALLIC TRACINGS ALONG THE DUCTBANK PATH AT 12" BELOW GRADE MINIMUM. COLOR OF THE DETECTABLE TAPE SHALL BE ORANGE OR WHICHEVER COLOR THE COMMON GROUND ALLIANCE (CGA) HAS CURRENTLY DETERMINED FOR TELEVISION AND COMMUNITY ANTENNA TELEVISION (CATV) CABLES.

TELECOMMUNICATION SYMBOLS	
SYMBOL	DESCRIPTION
	ELEVATOR PHONE OUTLET - PROVIDE ONE ANALOG VOICE DROP COMPLETE WITH CAT6A CABLE, CONNECTOR AND TERMINATION AS REQUIRED. ROUTE ONE 1.25" CONDUIT FROM ELEVATOR EQUIPMENT BOX TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. COORDINATE EXACT LOCATION WITH ELEVATOR VENDOR.
	WALL PHONE OUTLET - PROVIDE ONE DROP COMPLETE WITH CAT6A CABLE, CONNECTOR AND TERMINATION AS REQUIRED. STUB ONE 1.25" CONDUIT FROM 5 SQUARE TELECOMMUNICATION OUTLET BOX WITH SINGLE GANG PLASTER RING TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN. MOUNT AT 48" AFF UNLESS NOTED OTHERWISE.
	WALL STANDARD COMMUNICATION OUTLET - PROVIDE FOUR DATA DROPS COMPLETE WITH CAT6A CABLES, CONNECTORS AND TERMINATIONS AS REQUIRED. STUB ONE 1.25" CONDUIT FROM 5 SQUARE TELECOMMUNICATION OUTLET BOX WITH SINGLE GANG PLASTER RING TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN. MOUNT AT PROJECT'S STANDARD RECEPTACLE HEIGHT UNLESS NOTED OTHERWISE.
	FLOOR STANDARD COMMUNICATION OUTLET - PROVIDE FOUR DATA DROPS COMPLETE WITH CAT6A CABLES, CONNECTORS AND TERMINATIONS AS REQUIRED. STUB ONE 1.25" CONDUIT TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. MOUNT IN ELECTRICAL FLOOR BOX UNLESS NOTED OTHERWISE. EXACT LOCATION TO BE COORDINATED BY ARCHITECT.
	WIRELESS COMMUNICATION OUTLET - PROVIDE ONE DATA DROP COMPLETE WITH CAT6A CABLE, CONNECTOR AND TERMINATION AS REQUIRED. STUB ONE 1.25" CONDUIT FROM 5 SQUARE TELECOMMUNICATION OUTLET BOX WITH SINGLE GANG PLASTER RING TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. WIRELESS ACCESS POINT DEVICE IS OWNER FURNISHED CONTRACTOR INSTALLED.
	WALL WIRELESS COMMUNICATION OUTLET - PROVIDE ONE DATA DROP COMPLETE WITH CAT6A CABLE, CONNECTOR AND TERMINATION AS REQUIRED. STUB ONE 1.25" CONDUIT FROM 5 SQUARE TELECOMMUNICATION OUTLET BOX WITH SINGLE GANG PLASTER RING TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. MOUNT AT 120" AFF UNLESS NOTED OTHERWISE. WIRELESS ACCESS POINT DEVICE IS OWNER FURNISHED CONTRACTOR INSTALLED.
	WALL DATA COMMUNICATION OUTLET - PROVIDE QUANTITY OF DROPS AS INDICATED BY SUBSCRIPT COMPLETE WITH CAT6A CABLES, CONNECTORS AND TERMINATIONS AS REQUIRED. STUB ONE 1.25" CONDUIT FROM 5 SQUARE TELECOMMUNICATION OUTLET BOX WITH SINGLE GANG PLASTER RING TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. MOUNT AT PROJECT'S STANDARD RECEPTACLE HEIGHT UNLESS NOTED OTHERWISE.
	FLOOR DATA COMMUNICATION OUTLET - PROVIDE QUANTITY OF DROPS AS INDICATED BY SUBSCRIPT COMPLETE WITH CAT6A CABLES, CONNECTORS AND TERMINATIONS AS REQUIRED. STUB ONE 1.25" CONDUIT TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. MOUNT IN ELECTRICAL FLOOR BOX UNLESS NOTED OTHERWISE. EXACT LOCATION TO BE COORDINATED BY ARCHITECT.
	DATA COMMUNICATION OUTLET FOR FLAT PANEL - PROVIDE TWO DATA DROPS COMPLETE WITH CAT6A CABLES, CONNECTORS AND TERMINATIONS AS REQUIRED. MOUNTED IN FLAT PANEL IN-WALL BACKBOX. SEE EAV DRAWINGS FOR INFORMATION OF THE FLAT PANEL IN-WALL BACKBOX. STUB ONE 1.25" CONDUIT TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE.
	CEILING DATA COMMUNICATION OUTLET FOR FLAT PANEL DISPLAY - PROVIDE TWO DATA DROPS COMPLETE WITH CAT6A CABLES, CONNECTORS AND TERMINATIONS AS REQUIRED. STUB ONE 1.25" CONDUIT FROM 5 SQUARE TELECOMMUNICATION OUTLET BOX WITH SINGLE GANG PLASTER RING TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE.
	DATA FOR AV ROOM CONTROL PANEL - PROVIDE ONE DATA DROP COMPLETE WITH CAT6A CABLE, CONNECTOR AND TERMINATION AS REQUIRED. NO FACEPLATE. STUB ONE 1" CONDUIT FROM AV BACKBOX TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN. SEE EAV DRAWINGS FOR INFORMATION OF THE AV BACKBOX.
	DATA FOR AV ROOM SCHEDULING PANEL - PROVIDE ONE DATA DROP COMPLETE WITH CAT6A CABLE, CONNECTOR AND TERMINATION AS REQUIRED. NO FACEPLATE. STUB ONE 1" CONDUIT FROM AV BACKBOX TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN. SEE EAV DRAWINGS FOR INFORMATION OF THE AV BACKBOX.
	SYSTEM FURNITURE STANDARD COMMUNICATION OUTLET - PROVIDE FOUR DATA DROPS COMPLETE WITH CAT6A CABLES, CONNECTORS AND TERMINATIONS AS REQUIRED. COORDINATE WITH THE ARCHITECT AND FURNITURE CONSULTANT FOR MOUNTING HEIGHT.
	CEILING DATA COMMUNICATION OUTLET FOR PROJECTOR - PROVIDE ONE DATA DROP COMPLETE WITH CAT6A CABLE, CONNECTOR AND TERMINATION AS REQUIRED. STUB ONE 1.25" CONDUIT FROM 5 SQUARE TELECOMMUNICATION OUTLET BOX WITH SINGLE GANG PLASTER RING TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE.
	FURNITURE FEED POKE-THRU DEVICE. WIREMOLD 4FFATC SERIES WITH FURNITURE FEED COVER. PROVIDE ONE 1.5" CONDUIT TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. EXACT LOCATION TO BE COORDINATED BY ARCHITECT.
	FURNITURE FEED POKE-THRU DEVICE. WIREMOLD RC9AM2TC SERIES WITH FURNITURE FEED COVER. PROVIDE ONE 2" CONDUIT TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. EXACT LOCATION TO BE COORDINATED BY ARCHITECT.
	5"x5"x4" JUNCTION BOX. PROVIDE ONE 1.5" CONDUIT TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. MOUNT AT PROJECT'S STANDARD RECEPTACLE HEIGHT UNLESS NOTED OTHERWISE.
	6"x6"x4" JUNCTION BOX. PROVIDE ONE 2" CONDUIT TO ACCESSIBLE CEILING ON THE SAME FLOOR AS SHOWN UNLESS NOTED OTHERWISE. MOUNT AT PROJECT'S STANDARD RECEPTACLE HEIGHT UNLESS NOTED OTHERWISE.
	19" TELECOMMUNICATIONS RACK.
	TELECOMMUNICATIONS GROUND BUS BAR.
	FIRE RETARDANT .75" PLYWOOD BACKBOARD. PAINTED WITH TWO COATS OF WHITE FIRE RETARDANT PAINT PRIOR TO INSTALLATION. EACH SHEET OF PLYWOOD BACKBOARD SHALL BE 4' WIDE X 8' HIGH.
	TELECOMMUNICATIONS BASKET CABLE TRAY, 12" WIDE X 4" DEEP. UNO. MOUNT ABOVE ACCESSIBLE CEILING. COORDINATE LOCATION WITH DUCTWORK, PLUMBING, FIRE PROTECTION, ELECTRICAL, AND LIGHT FIXTURES.
	TELECOMMUNICATIONS LADDER CABLE RUNWAY. SIZE AS INDICATED ON DRAWINGS.
	EMT CONDUIT CONCEALED IN SLAB OR UNDER FINISHED FLOOR. ROUTE AS INDICATED.
	EMT CONDUIT CONCEALED IN WALL OR ABOVE FINISHED CEILING. ROUTE AS INDICATED.
	EMT CONDUIT STUB UP INTO ACCESSIBLE CEILING UNLESS NOTED OTHERWISE.
	CONDUIT ABOVE CEILING UNLESS NOTED OTHERWISE. CONDUIT SHALL BE CONCEALED.
AFF	ABOVE FINISHED FLOOR
BFC	BELOW FINISHED CEILING
UNO	UNLESS NOTED OTHERWISE
TR	TELECOMMUNICATION ROOM
ER	EQUIPMENT ROOM
TGB	TELECOMMUNICATION GROUNDING BUSBAR
TMCGB	TELECOMMUNICATION MAIN GROUNDING BUSBAR
TBB	TELECOMMUNICATION BONDING BACKBONE

CONDUIT INSTALLATION NOTES	
THE RACEWAY SYSTEM FOR TELECOM CABLE SHALL FOLLOW THE NEC AND ALL LOCAL CODES GOVERNING THIS PROJECT. ADDITIONAL REQUIREMENTS ARE AS FOLLOWS:	
1.	A PULL CORD (NYLON, 1/8" MINIMUM) SHALL BE INSTALLED WITHIN ALL CONDUITS.
2.	A PULL ROPE (NYLON/POLYESTER, 3/8" MINIMUM) SHALL BE INSTALLED WITHIN ALL OUTSIDE PLANT CONDUITS. MINIMUM TENSILE STRENGTH OF ROPE SHALL BE 2000 LBS PER FOOT.
3.	PULL CORD AND PULL ROPE WITHIN ALL CONDUITS SHALL BE RE-PULLED AFTER EACH USE. CONDUITS SHALL NOT REMAIN EMPTY.
4.	CONDUIT SHALL RUN IN MOST DIRECT ROUTE POSSIBLE, USUALLY PARALLEL WITH BUILDING LINES.
5.	CONDUIT SLEEVES SHOULD BE RIGID GALVANIZED STEEL FOR PENETRATIONS OF CONCRETE SLABS, CONCRETE WALLS. ALL SLEEVES SHALL BE RIGIDLY INSTALLED USING APPROPRIATE FITTINGS AND ALL PENETRATIONS SHALL BE GROUTED AROUND THE SLEEVE. SLEEVES SHALL PROJECT A MINIMUM OF 4" BEYOND WALL OR FLOOR SURFACE. ALL PENETRATIONS SHALL BE FIRESTOPPED.
6.	CONDUIT RUN SHALL CONTAIN NO CONTINUOUS SECTIONS LONGER THAN 100 FEET. IF RUNS TOTAL MORE THAN 100 FEET, PULL POINTS OR PULL BOXES SHALL BE INSERTED.
7.	CONDUIT RUNS TO WORK AREAS SHALL SERVE NO MORE THAN ONE COMMUNICATION OUTLET. DAISY CHAINING IS NEVER ALLOWED.
8.	CONDUIT SHALL HAVE NO MORE THAN TWO 90 DEGREES OF BENDS AT ANY POINT OR MORE THAN 180 DEGREES OF CUMULATIVE BENDS BETWEEN PULL POINTS.
9.	INSTALL CONDUITS WITH A MINIMUM OF BENDS AND OFFSETS. BENDS SHALL NOT KINK OR DESTROY INTERIOR CROSS SECTION OF RACEWAY. FACTORY MADE BENDS SHALL BE USED FOR RACEWAY'S 1" TRADE SIZE AND LARGER. BENDS RADIUS SHALL BE 6 TIMES INTERNAL DIAMETER FOR CONDUIT SIZES UP TO 2". A CONDUIT GREATER THAN 2" SHALL HAVE BEND RADIUS AT LEAST 10 TIMES DIAMETER OF CONDUIT. DO NOT USE PULL BOX IN LIEU OF A BEND RADIUS. BEND RADIUS ON CABLING SHOULD ALWAYS BE MADE WITHIN THE CONDUIT.
10.	DO NOT INSTALL CONDUIT OVER OR ADJACENT TO BOILERS, INCINERATORS, HOT WATER LINES, OR STEAM LINES.
11.	REAM ALL CONDUIT ENDS AND FIT THEM WITH AN INSULATED BUSHING TO ELIMINATE SHARP EDGES THAT MAY DAMAGE CABLES.
12.	AFTER INSTALLATION, LEAVE CONDUITS CLEAN, DRY AND UNOBSTRUCTED, REAMED AND FITTED WITH BUSHINGS.
13.	ELECTRICAL METALLIC TUBING AND RIGID METAL CONDUIT ARE THE ONLY ALLOWED TYPES FOR INTERIOR BUILDING. FLEXIBLE METAL CONDUIT IS NEVER ALLOWED.
14.	CONDUIT SYSTEM INSTALLATION: 14.1 CABLE IN EXTERIOR, ABOVE GRADE LOCATIONS: RIGID GALVANIZED STEEL. 14.2 INTERIOR LOCATIONS: EMT AND RMC. 14.3 CABLE BELOW GRADE: SCHEDULE 40 PVC.
15.	ALL METALLIC CONDUITS SHALL BE APPROPRIATELY GROUNDED AS SPECIFIED IN THE NEC, ANSI/TIA/EIA J-STD-607-B AND PER MANUFACTURER'S SPECIFICATIONS.
16.	CONDUITS ARE TO BE CLEARLY MARKED AT EACH END TO INDICATE THE TRADE (E.G. AV, TELECOM) THAT THE CONDUIT IS INTENDED TO SUPPORT.
17.	CABLE PATHWAY SHOULD BE LESS THAN 270 FEET. THE LENGTH SHALL BE MEASURED FROM THE OUTLET IN THE WORK AREA TO PATCH PANEL IN THE RACK.
18.	FOR OUTSIDE PLANT CONDUITS ROUTES PROVIDE A SITE LEVEL ACCESSIBLE HANDHOLE EVERY (2) 90 DEGREE BENDS OR 180 DEGREES IN BENDS TOTAL. DISTANCE BETWEEN EACH HANDHOLE SHALL NOT EXCEED 600 FEET DISTANCE. DO NOT USE HANDHOLE IN LIEU OF A BEND RADIUS. BEND RADIUS ON CABLING SHOULD ALWAYS BE MADE WITHIN THE CONDUIT.
19.	OUTSIDE PLANT LOCATIONS, ROUTES, AND PULL POINTS ARE INDICATIVE ONLY. CONTRACTOR TO BE INTEGRATED INTO THE OUTSIDE PLANT COMMUNICATIONS DUCTBANK FOR REVIEW BEFORE COMMENCING WORK.
20.	CONTRACTOR TO SUBMIT PRE-CAST HANDHOLE AND MANHOLE PRODUCTS WHICH ARE TO BE INTEGRATED INTO THE OUTSIDE PLANT COMMUNICATIONS DUCTBANK FOR REVIEW BEFORE COMMENCING WORK.
21.	CONTRACTOR SHALL PROVIDE A 2" CONDUIT SLEEVES EXTENDING INTO ACCESSIBLE CEILING AS NECESSARY INTO AREAS AND ROOMS WHERE OUTLET CONDUITS CANNOT EXTEND INTO THE ADJACENT CORRIDOR.

GENERAL PROJECT NOTES	
A.	ALL MOUNTING HEIGHTS ARE TO THE CENTER LINE OF THE DEVICE BACKBOX UNLESS NOTED OTHERWISE.
B.	ALL BOXES AND CONDUITS IN WALLS AND CEILINGS SHALL BE FLUSH MOUNTED OR CONCEALED UNLESS NOTED OTHERWISE.
C.	ALL EXTERIOR OUTLETS SHALL BE EXTERIOR RATED OUTLET, IP-67 RATED (NEMA 6).
D.	EXACT LOCATION OF ALL TELECOM OUTLETS LOCATED IN FURNITURE AND MILLWORK TO BE VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION.
E.	ELECTRICAL OUTLETS SHALL BE PROVIDED WITHIN THREE-SIX INCHES OF COMMUNICATION OUTLETS AT EQUAL HEIGHT.
F.	IT SHALL BE UNDERSTOOD ALL INFORMATION WITHIN THIS DRAWING PACKAGE IS DIAGRAMMATIC TO SHOW THE DESIGN INTENT. ANY FIELD DEVIATIONS FROM THE DRAWINGS BY THE CONTRACTOR HOWEVER, SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT OR CONSULTANT. IF FIELD DEVIATIONS ARE NOT SUBMITTED BEFOREHAND, THE INDIVIDUAL CHANGE(S) WILL BE CONSIDERED OUT OF SCOPE FROM THE ARCHITECT AND CONSULTANT'S OVERALL DESIGN AND SPECIFICATION FOR THE PROJECT.

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SHEET TITLE:

### TELECOM SYMBOLS AND NOTES

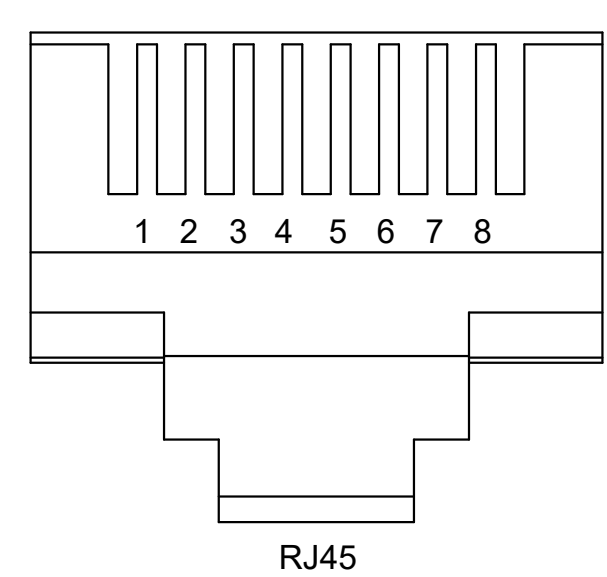
SCALE: 12" = 1'-0"

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T000

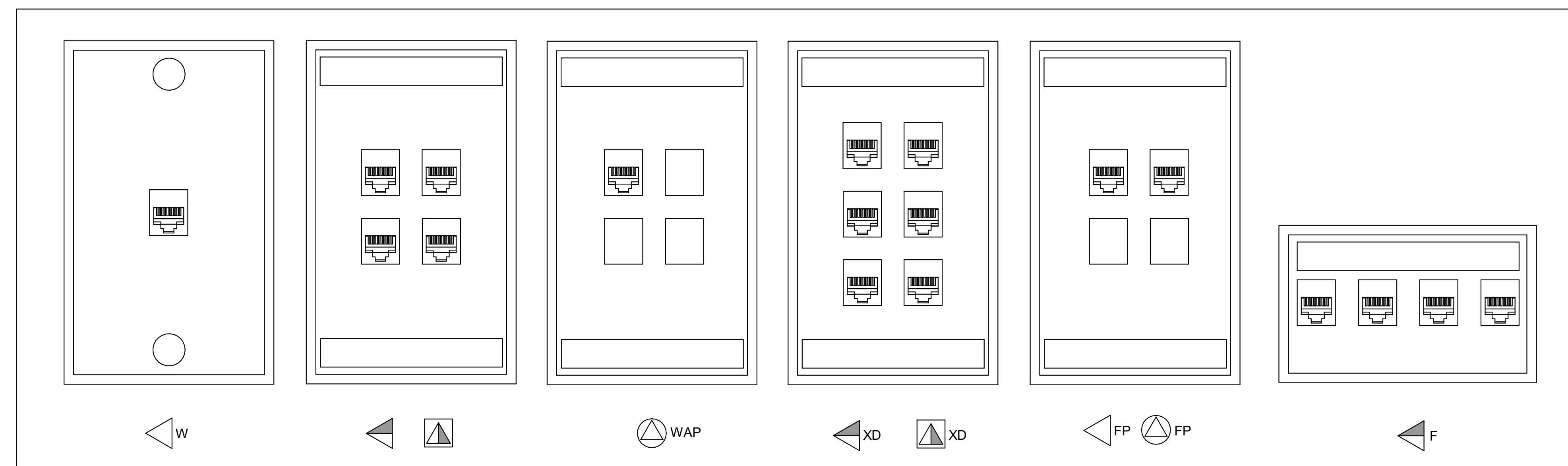
568A PIN CONFIGURATION

PIN	WIRE COLOR
1	WHITE/GREEN
2	GREEN
3	WHITE/ORANGE
4	BLUE
5	WHITE/BLUE
6	ORANGE
7	WHITE/BROWN
8	BROWN

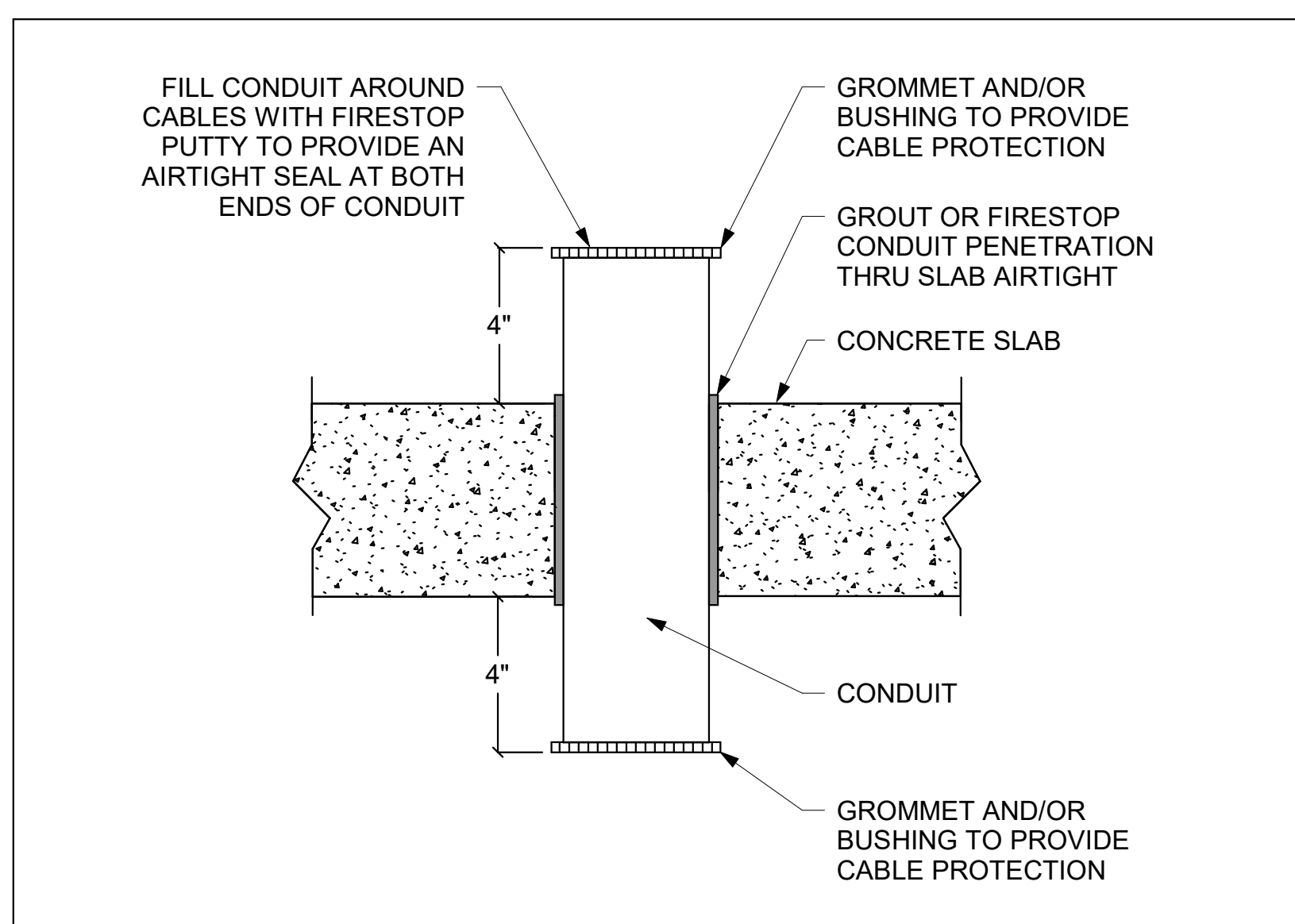


RJ45

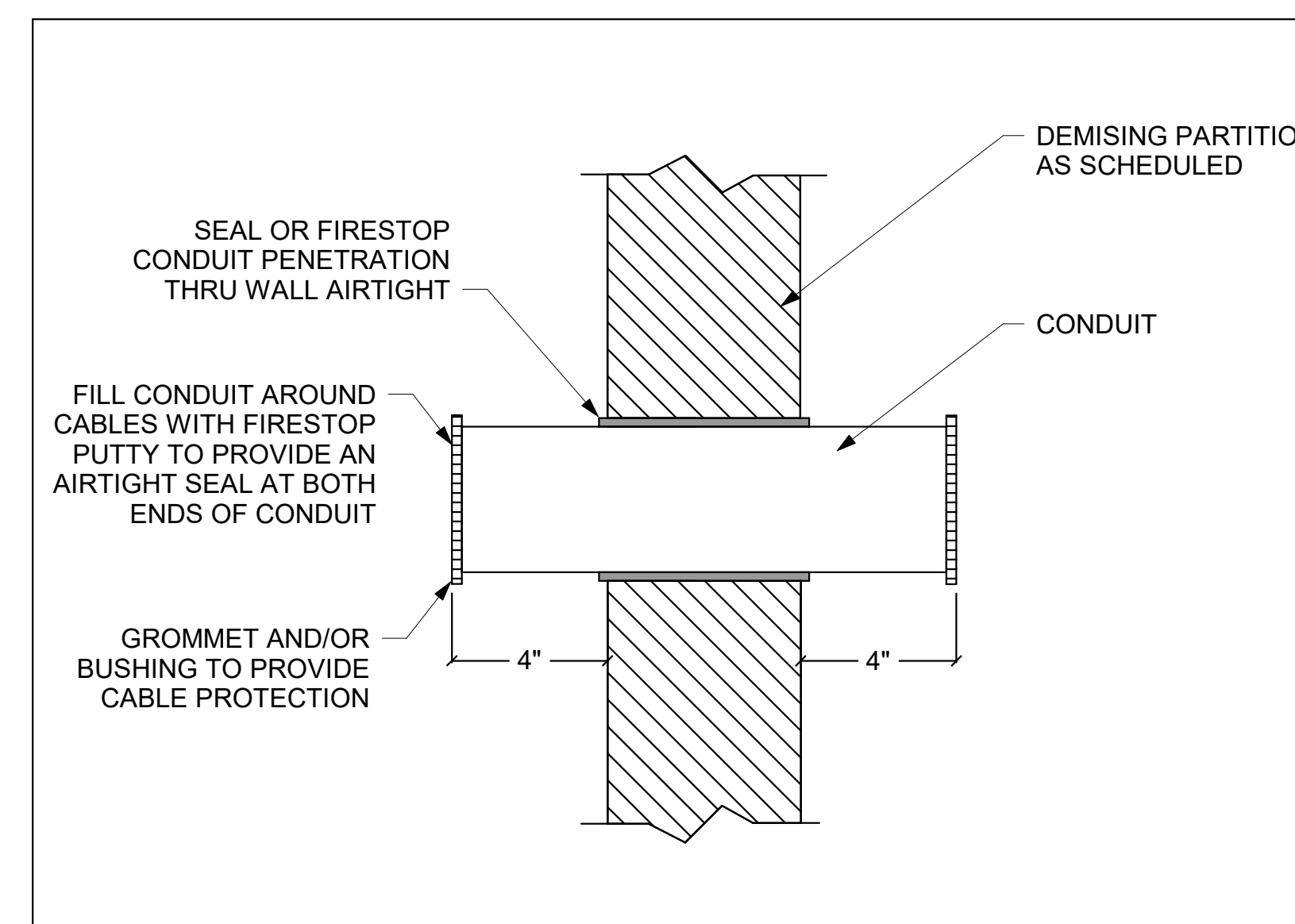
1 568A PIN OUT CONFIGURATION  
NTS



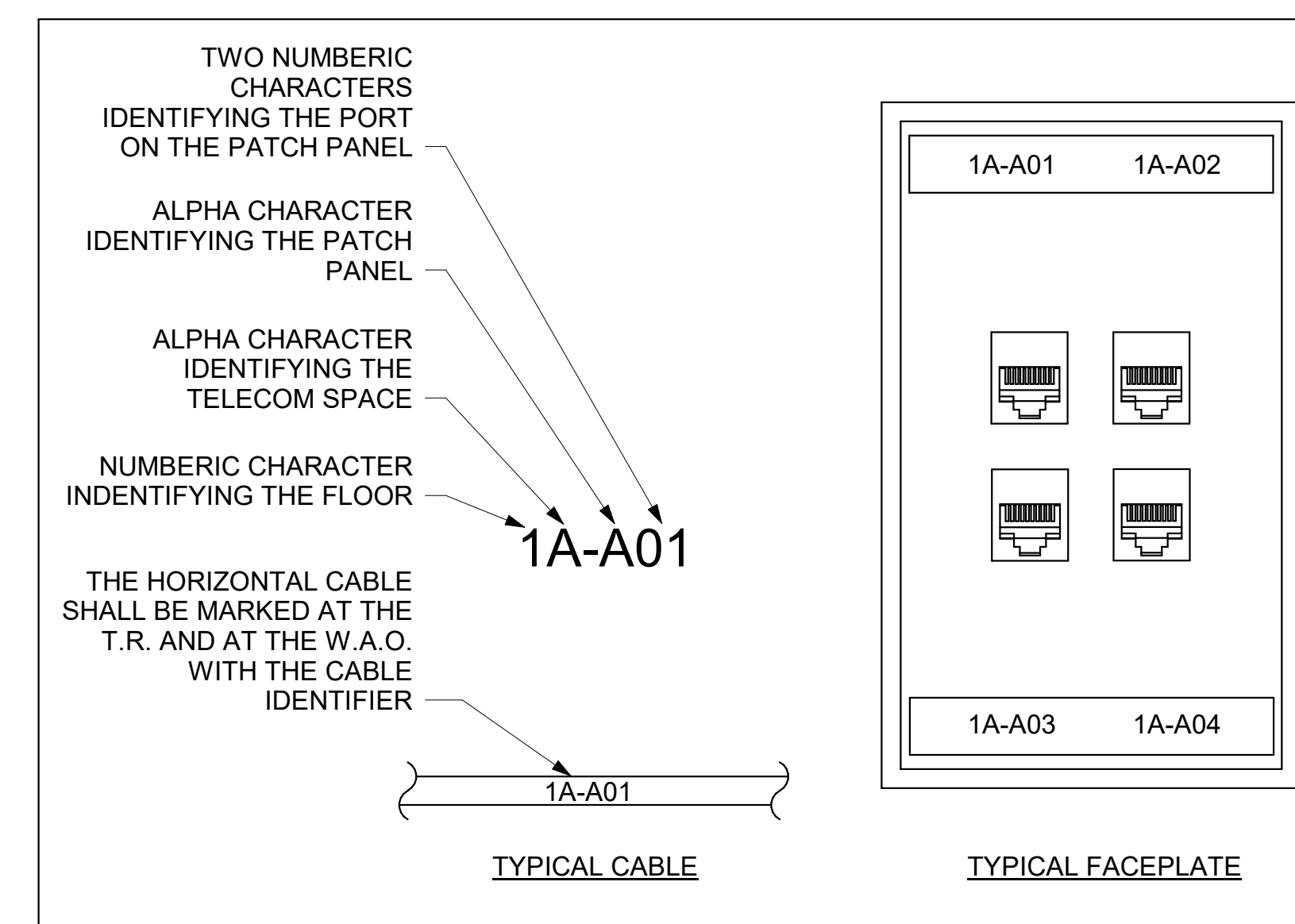
2 TYPICAL FACEPLATE  
NTS



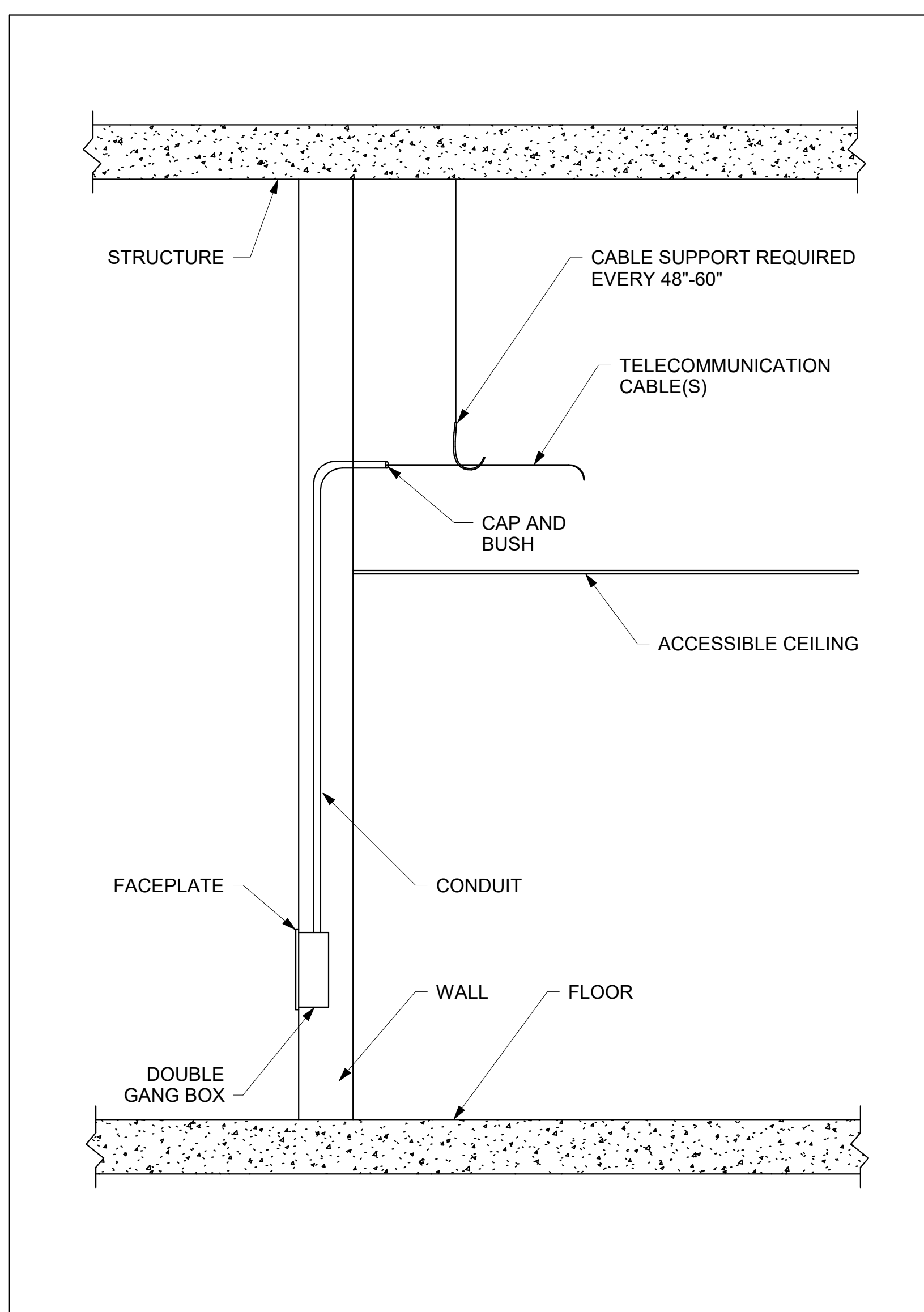
3 TYPICAL SLEEVE IN TELECOM ROOM SLAB  
NTS



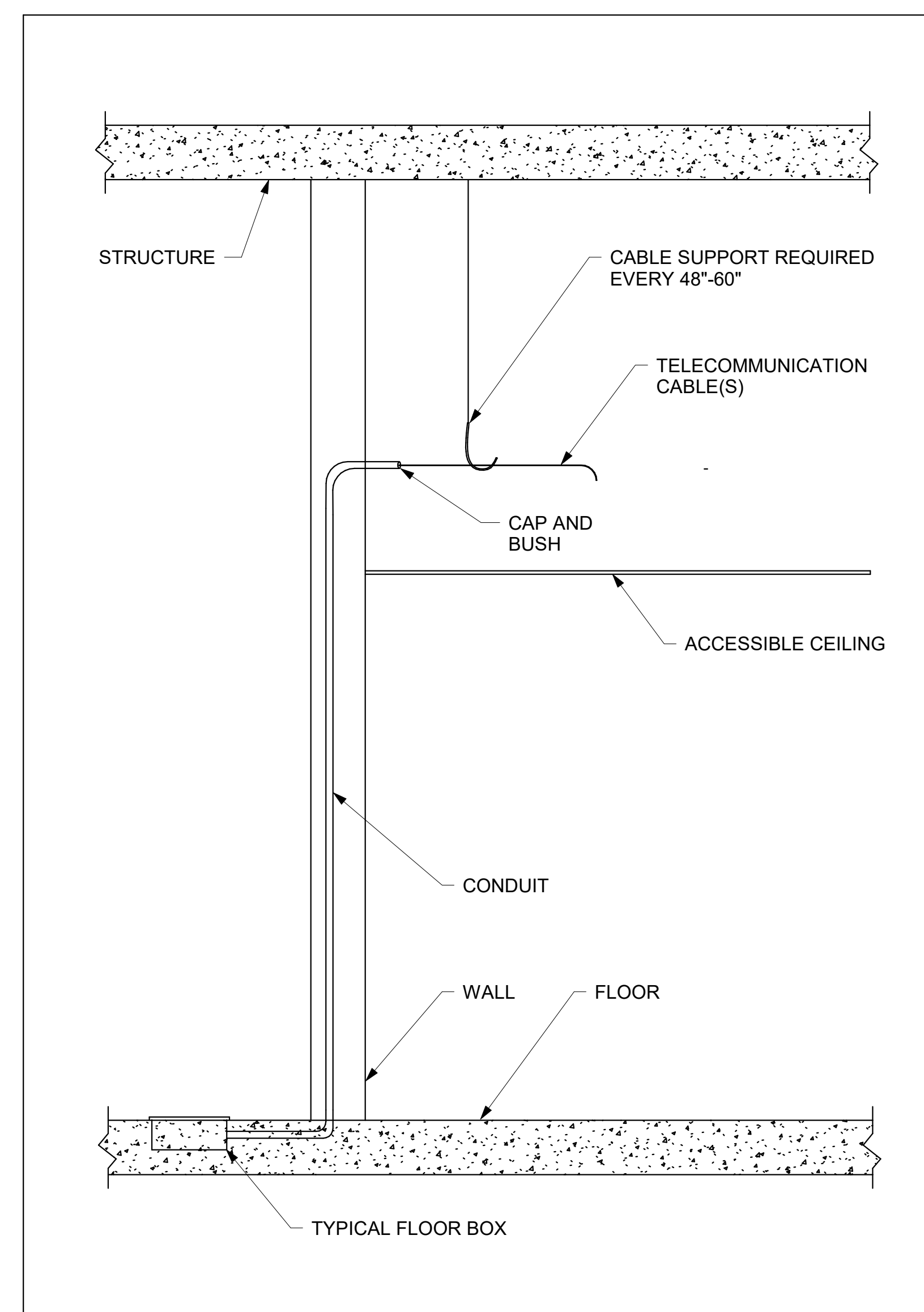
4 TYPICAL SLEEVE IN RATED WALL  
NTS



5 TYPICAL LABELING SCHEME  
NTS



6 TYPICAL FLUSH WALL MUNT TELECOM OUTLET  
NTS



7 TYPICAL FLOOR MOUNT TELECOM OUTLET  
NTS

RECORD DRAWINGS

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NO.	DATE	REVISIONS
10/11/2023	100%	DESIGN DEVELOPMENT

PROJECT TITLE:

**ALTADENA MAIN LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

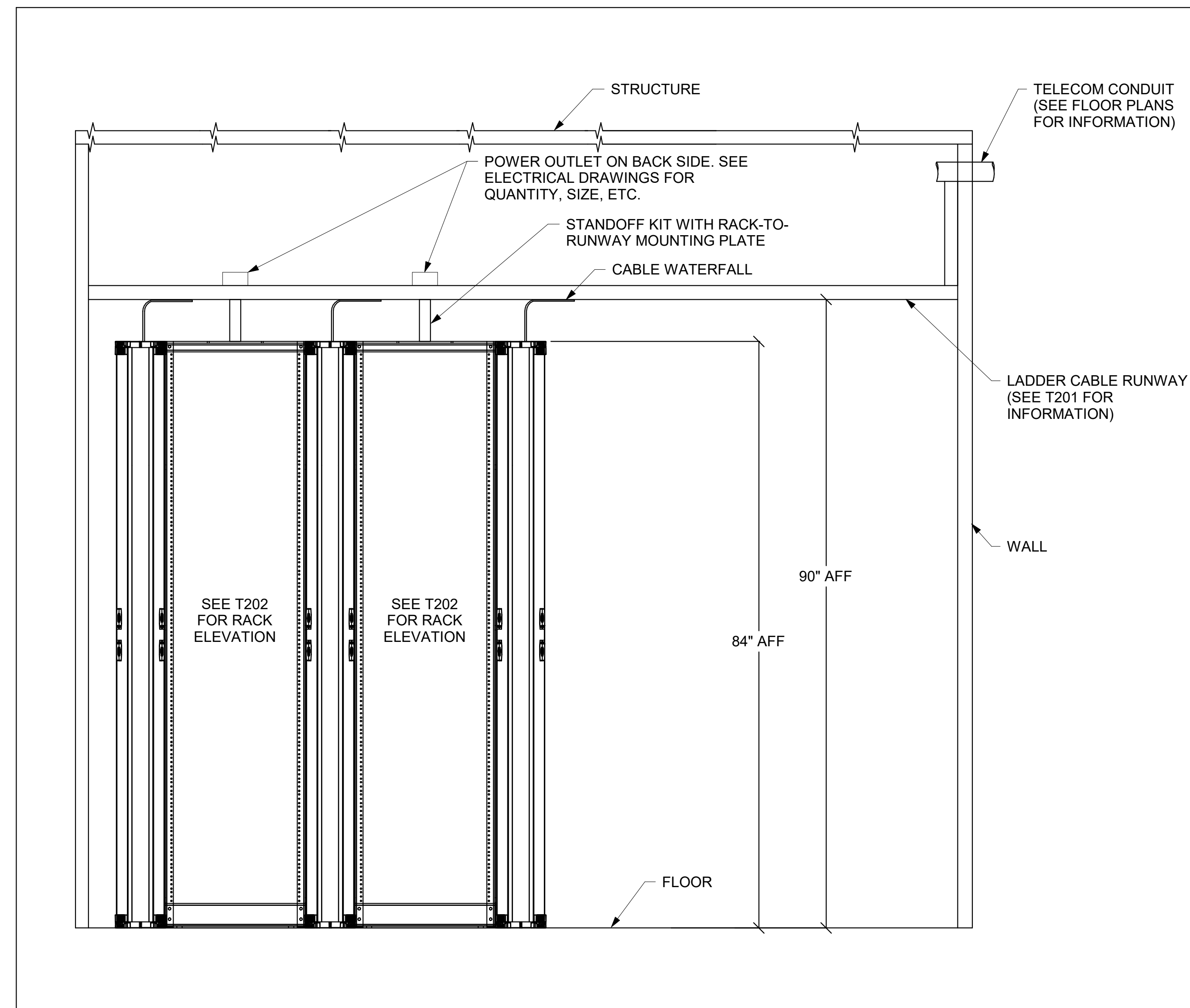
DATE: 10/11/2023

SHEET TITLE:

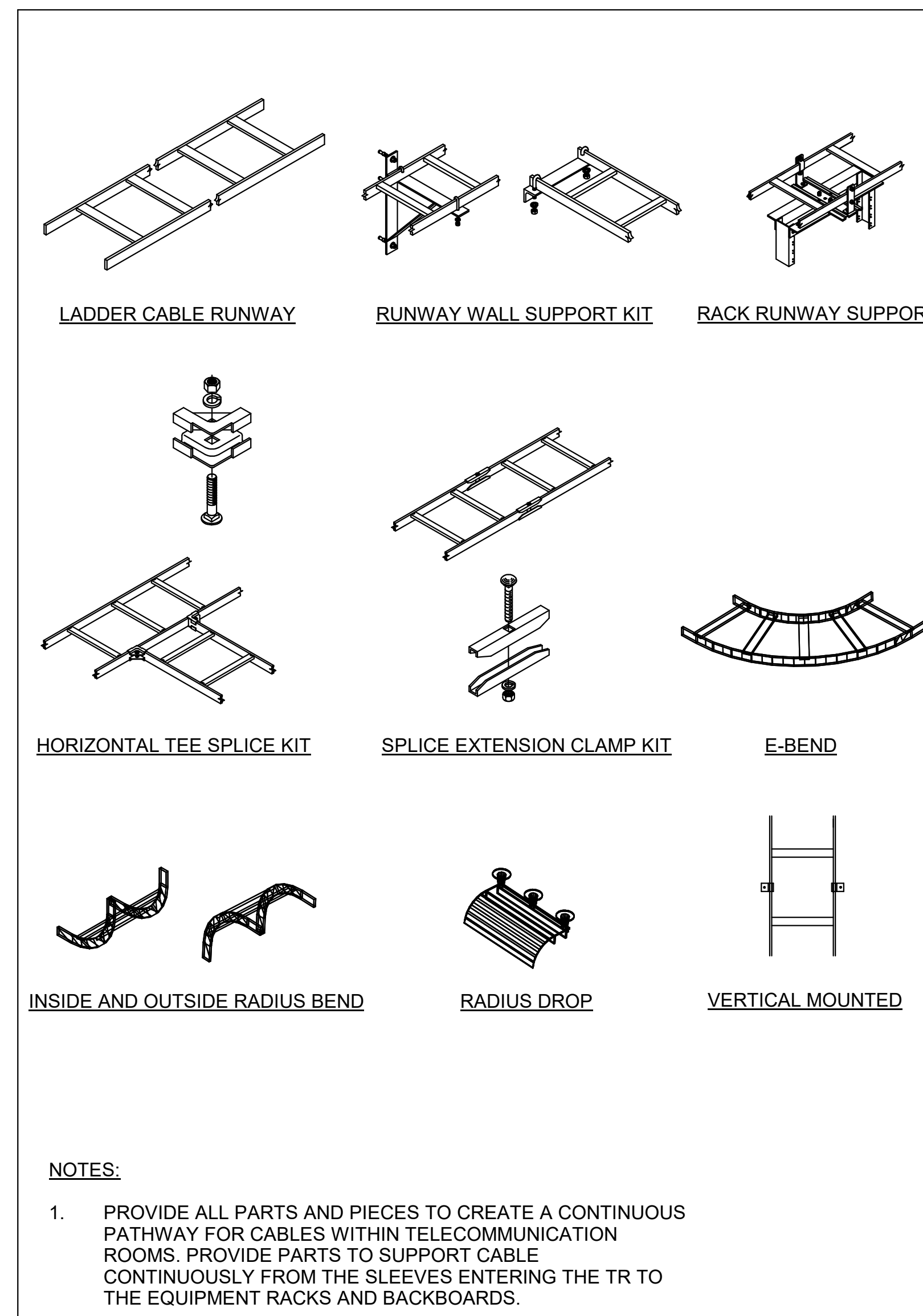
TELECOM STANDARDS (1 OF 2)

SCALE: NTS

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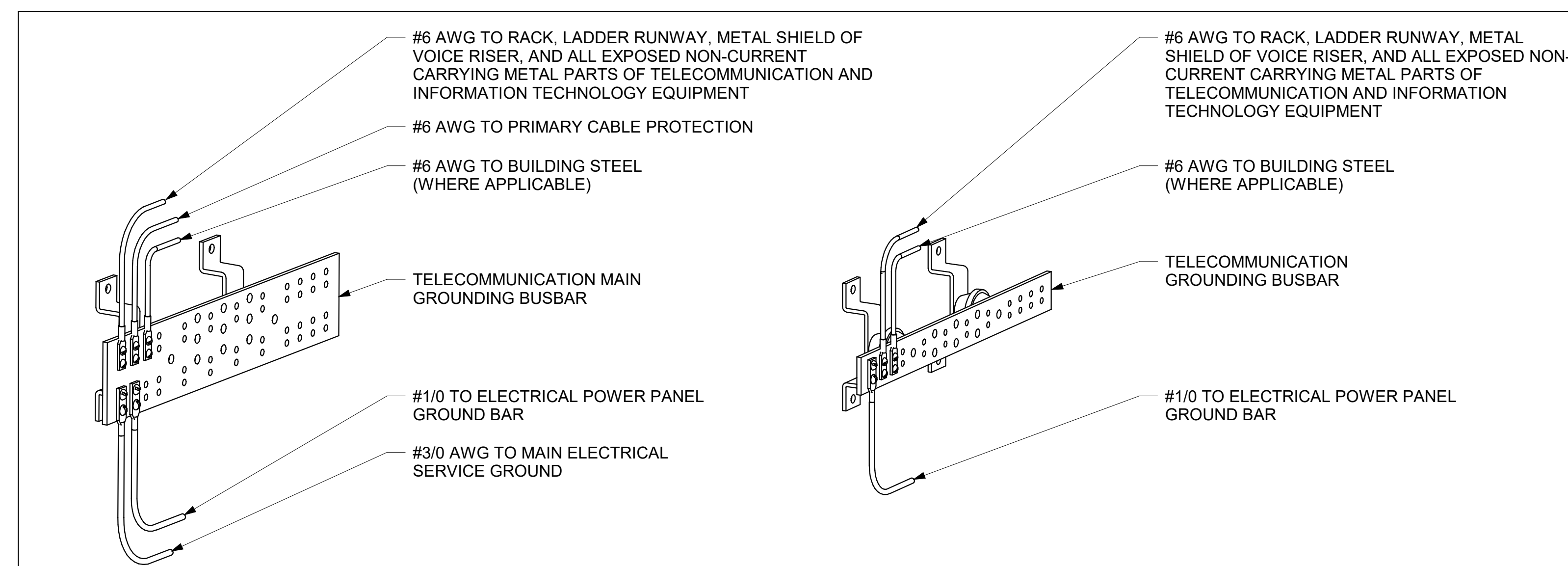
1 TYPICAL TELECOM RACK - CABLE AND RACEWAY, ELEVATION  
NTS



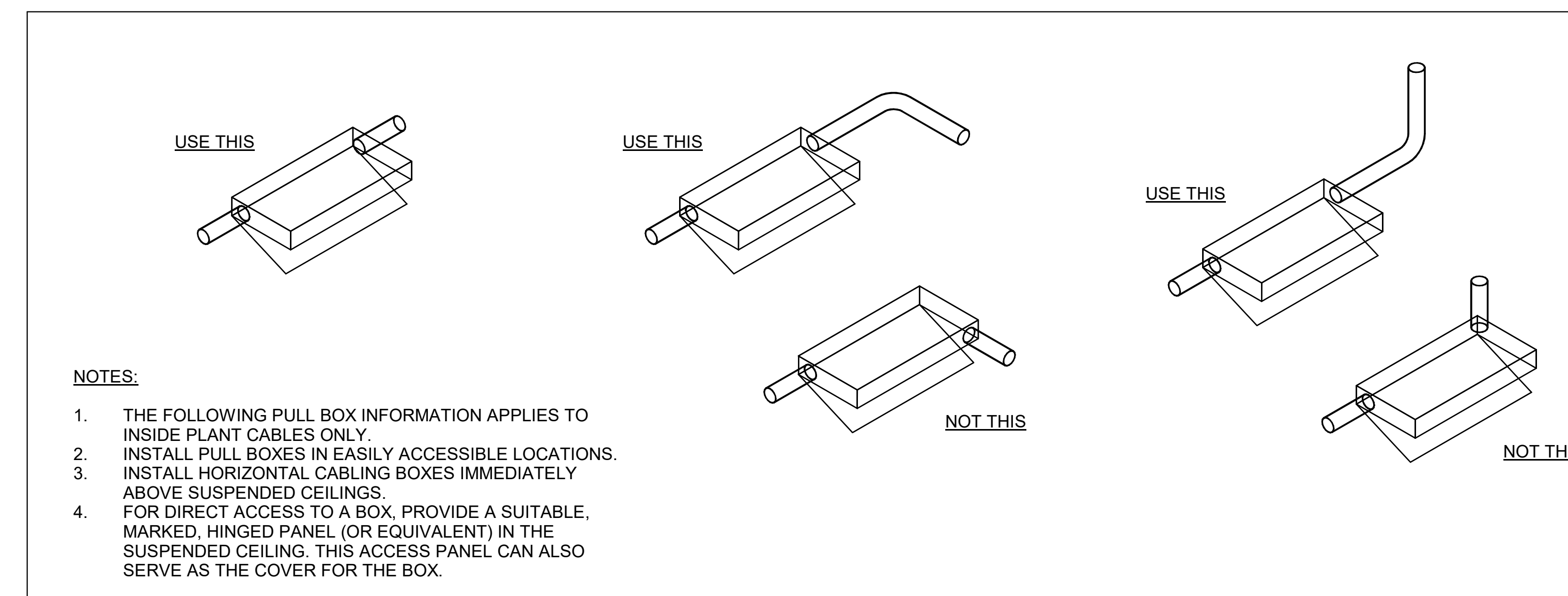
NOTES:

1. PROVIDE ALL PARTS AND PIECES TO CREATE A CONTINUOUS PATHWAY FOR CABLES WITHIN TELECOMMUNICATION ROOMS. PROVIDE PARTS TO SUPPORT CABLE CONTINUOUSLY FROM THE SLEEVES ENTERING THE TR TO THE EQUIPMENT RACKS AND BACKBOARDS.

2 TYPICAL LADDER CABLE RUNWAY AND ACCESSORIES  
NTS



3 TELECOMMUNICATION GROUNDING  
NTS



NOTES:

1. THE FOLLOWING PULL BOX INFORMATION APPLIES TO INSIDE PLANT CABLES ONLY.
2. INSTALL PULL BOXES IN EASILY ACCESSIBLE LOCATIONS.
3. INSTALL HORIZONTAL CABLING BOXES IMMEDIATELY ABOVE SUSPENDED CEILINGS.
4. FOR DIRECT ACCESS TO A BOX, PROVIDE A SUITABLE, MARKED, HINGED PANEL (OR EQUIVALENT) IN THE SUSPENDED CEILING. THIS ACCESS PANEL CAN ALSO SERVE AS THE COVER FOR THE BOX.

4 TYPICAL PULL BOX AND CONDUIT  
NTS

RECORD DRAWINGS

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DATE: 10/11/2023

SHEET TITLE:

**TELECOM STANDARDS (2 OF 2)**

SCALE: 1/8" = 1'-0"

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T002

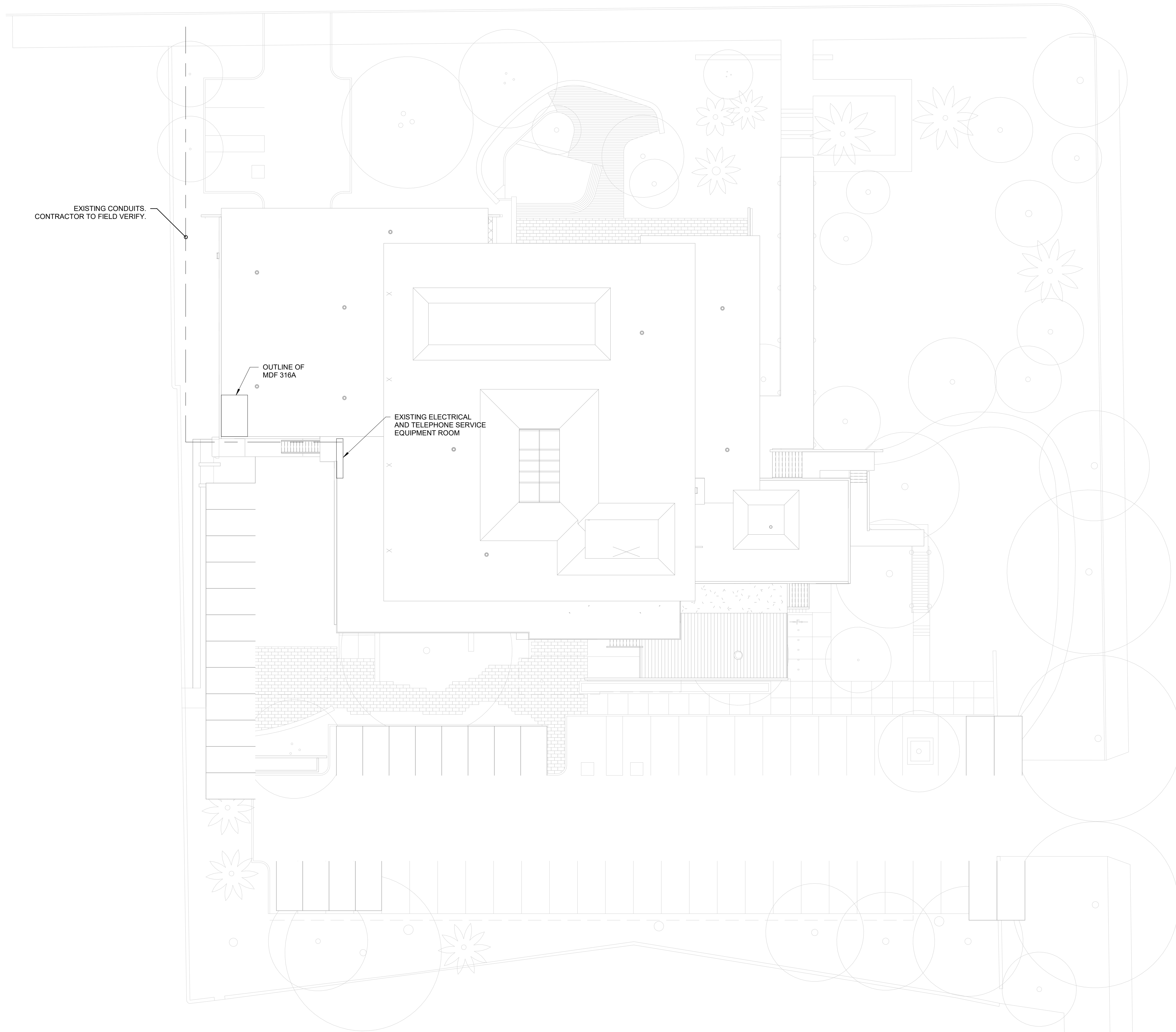


ANDERSON BRULÉ  
ARCHITECTS

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San Jose, California 95113  
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NOTES (THIS SHEET ONLY):

1. TWO 2" UNDERGROUND CONDUITS. PROVIDE ONE 1.25" INNERDUCT IN EACH CONDUIT. COORDINATE ROUTING AND TERMINATION LOCATIONS WITH OWNER AND ARCHITECT.



RECORD DRAWINGS

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1	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

**ALTADENA MAIN  
LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

**TELECOM SITE  
PLAN**

SCALE: 1/16" = 1'-0"

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T100



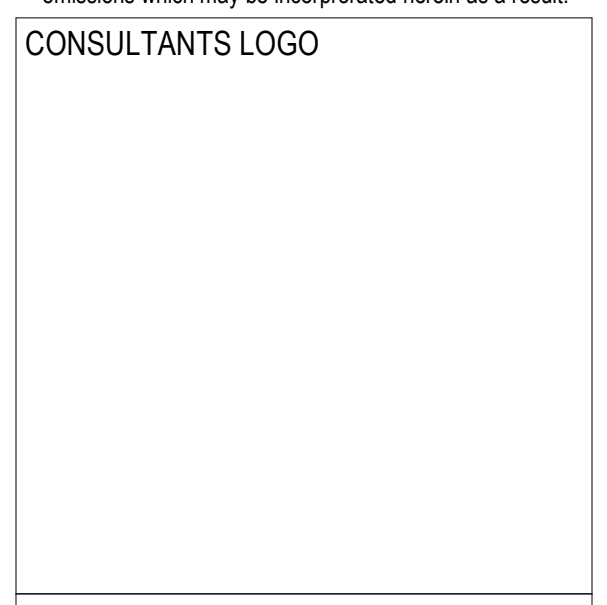
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PROJECT TITLE:

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600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

**TELECOM SITE PLAN - ADD ALTS**

SCALE: 1/16" = 1'-0"

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T100A

10/11/2023 2:40:04 PM



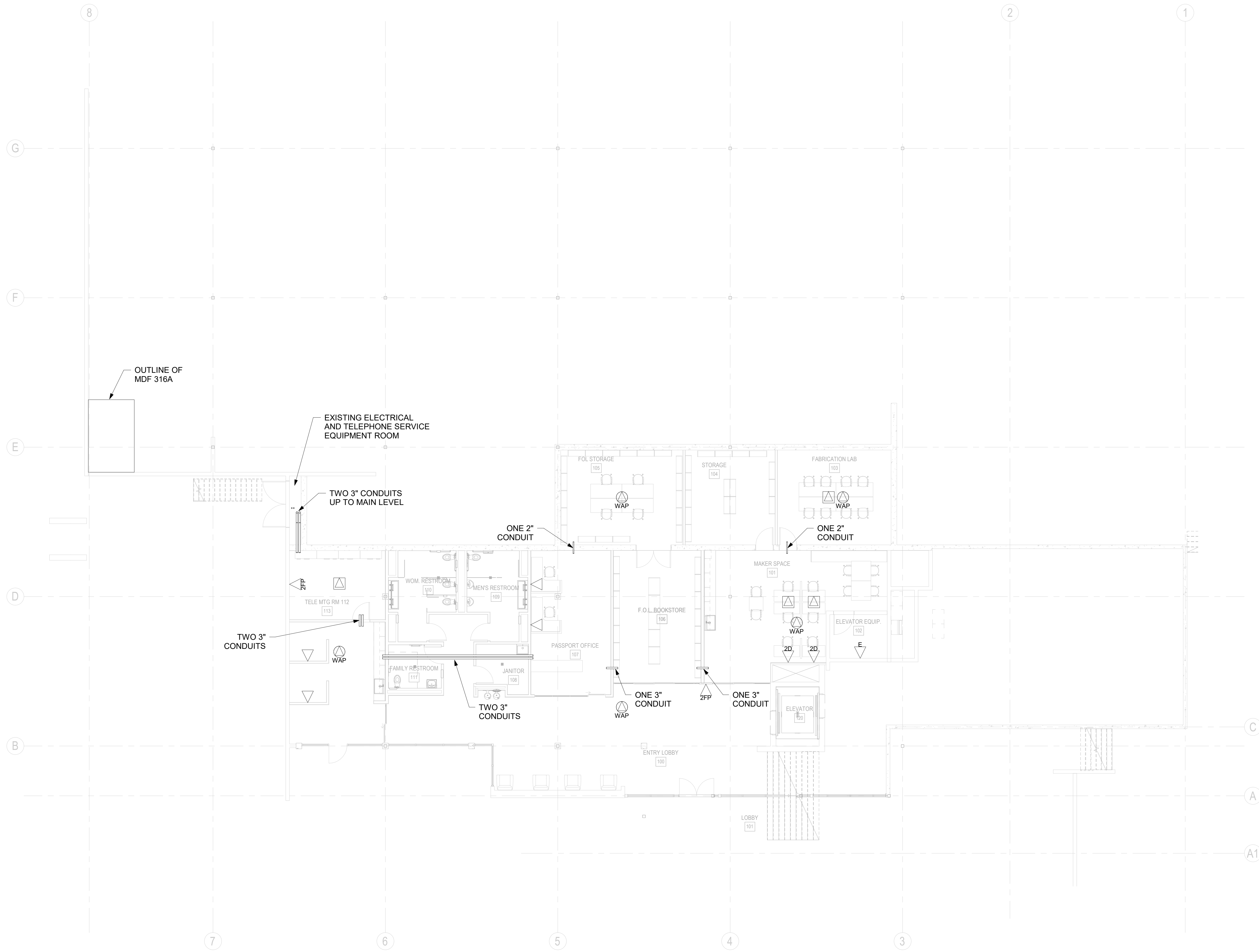


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GENERAL NOTES (THIS SHEET ONLY):

- A. ALL OUTLETS IN THIS AREA ARE SERVED FROM MDF 316A.  
TERMINATE ALL CABLES IN MDF 316A.



RECORD DRAWINGS

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PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

TELECOM LOWER LEVEL FLOOR PLAN

SCALE: 1/8" = 1'-0"

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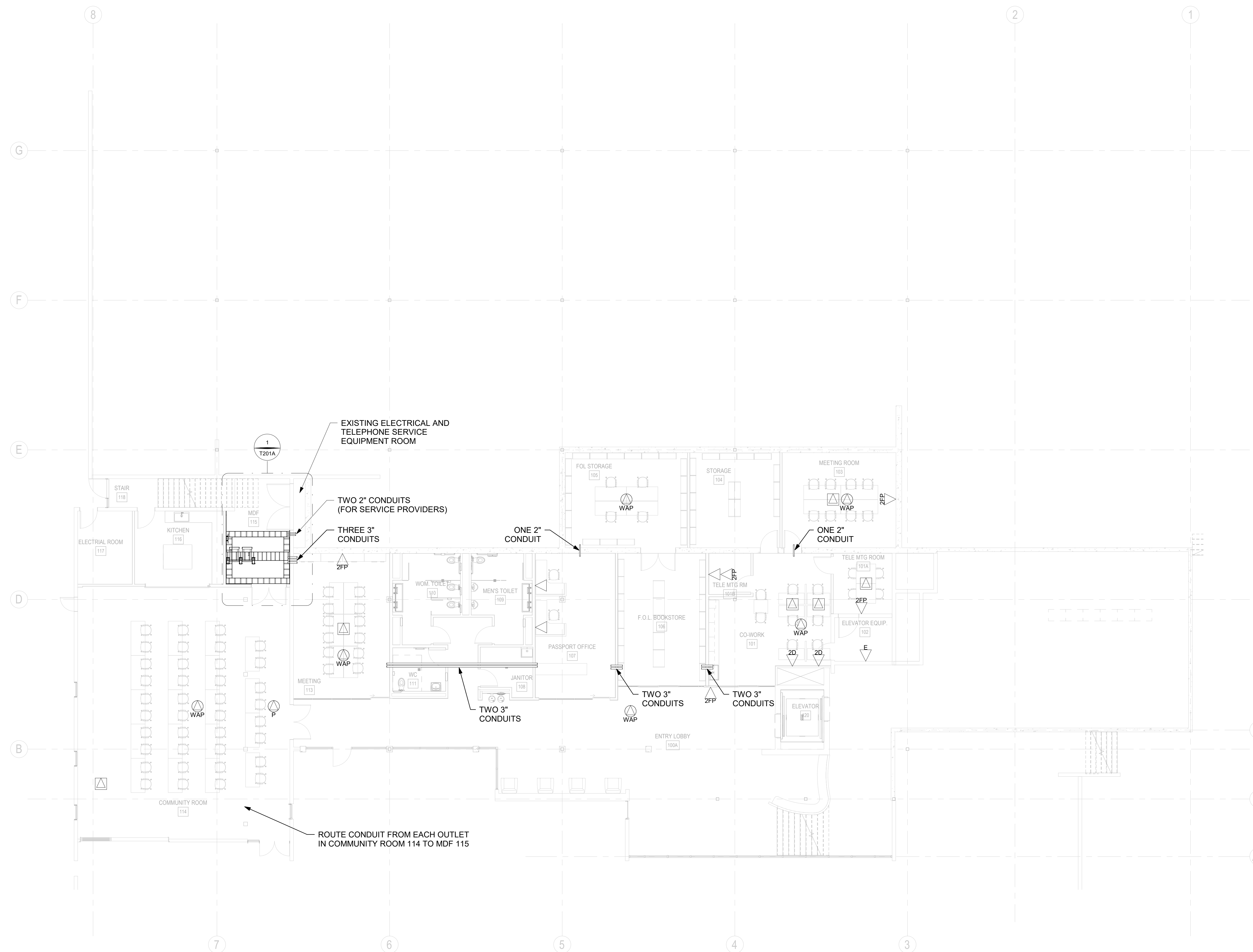


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GENERAL NOTES (THIS SHEET ONLY):

- A. ALL OUTLETS IN THIS AREA ARE SERVED FROM MDF 115. TERMINATE ALL CABLES IN MDF 115.



RECORD DRAWINGS

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ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

TELECOM LOWER LEVEL FLOOR PLAN - ADD ALTS

SCALE: 1/8" = 1'-0"

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T101A

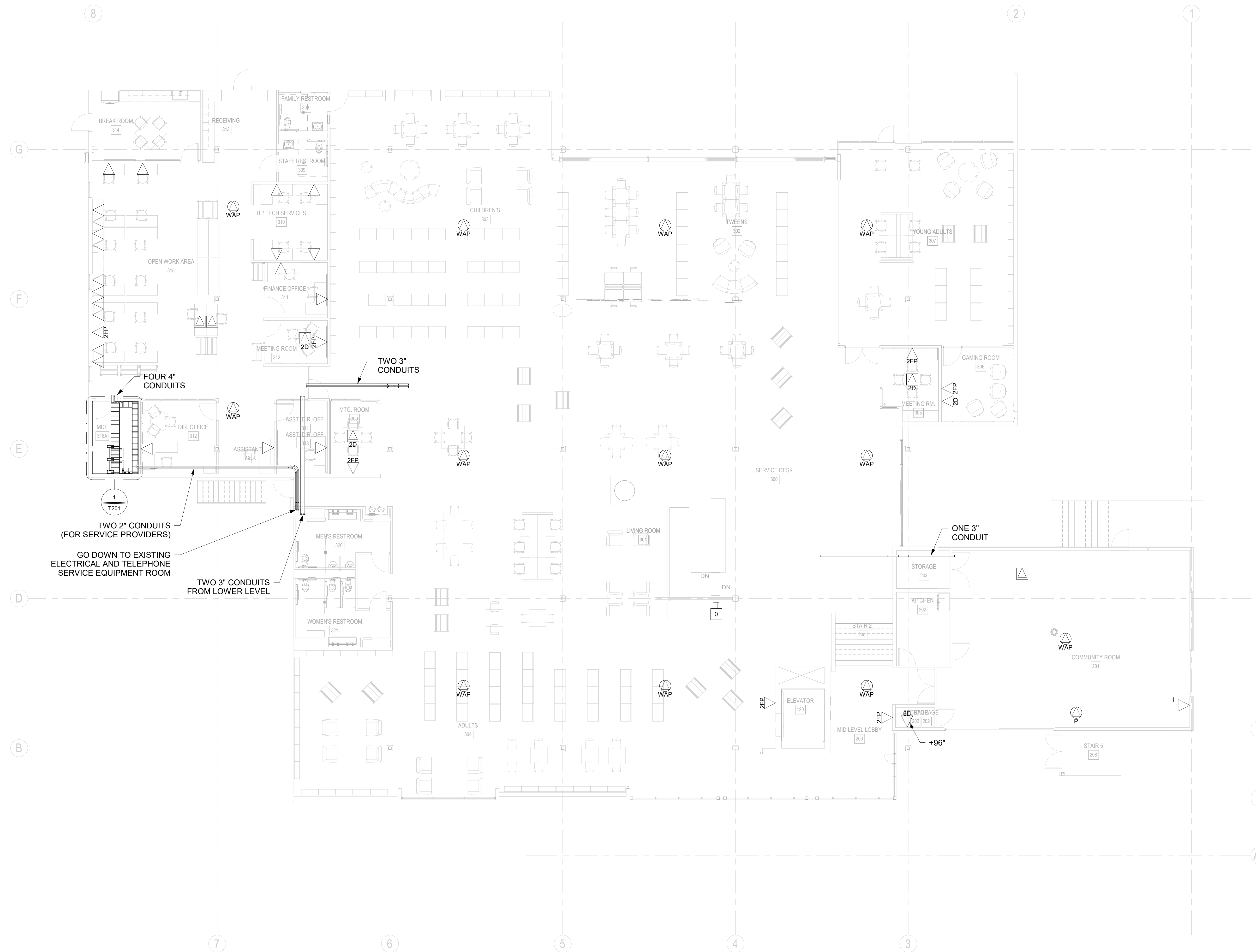


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GENERAL NOTES (THIS SHEET ONLY):

- A. ALL OUTLETS IN THIS AREA ARE SERVED FROM MDF 316A. TERMINATE ALL CABLES IN MDF 316A.



RECORD DRAWINGS

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PROJECT TITLE:

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600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

**TELECOM MAIN LEVEL FLOOR PLAN**

SCALE: 1/8" = 1'-0"

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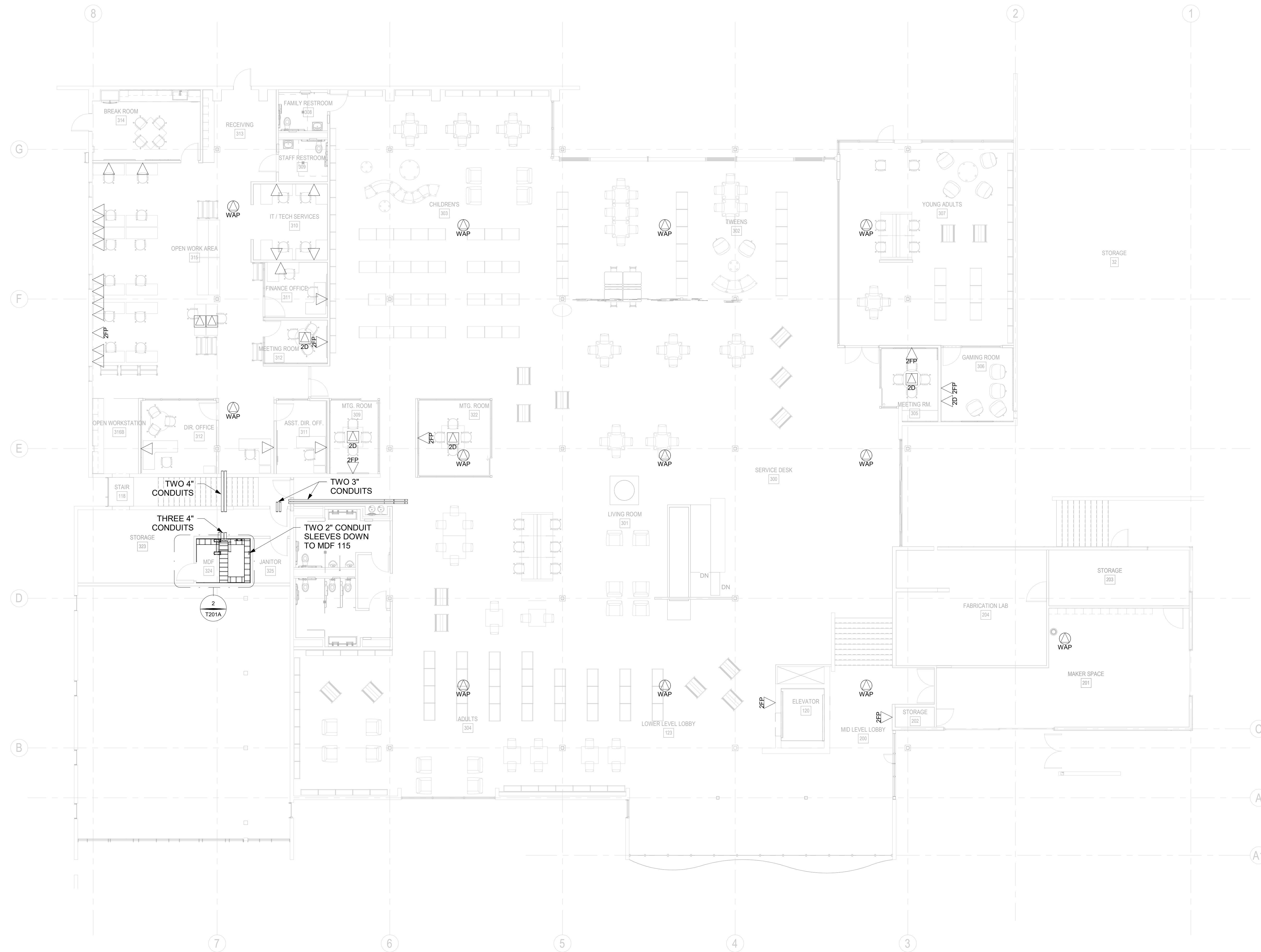


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GENERAL NOTES (THIS SHEET ONLY):

- A. ALL OUTLETS IN THIS AREA ARE SERVED FROM MDF 324.  
TERMINATE ALL CABLES IN MDF 324.



RECORD DRAWINGS

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1	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

ALTADENA MAIN LIBRARY

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

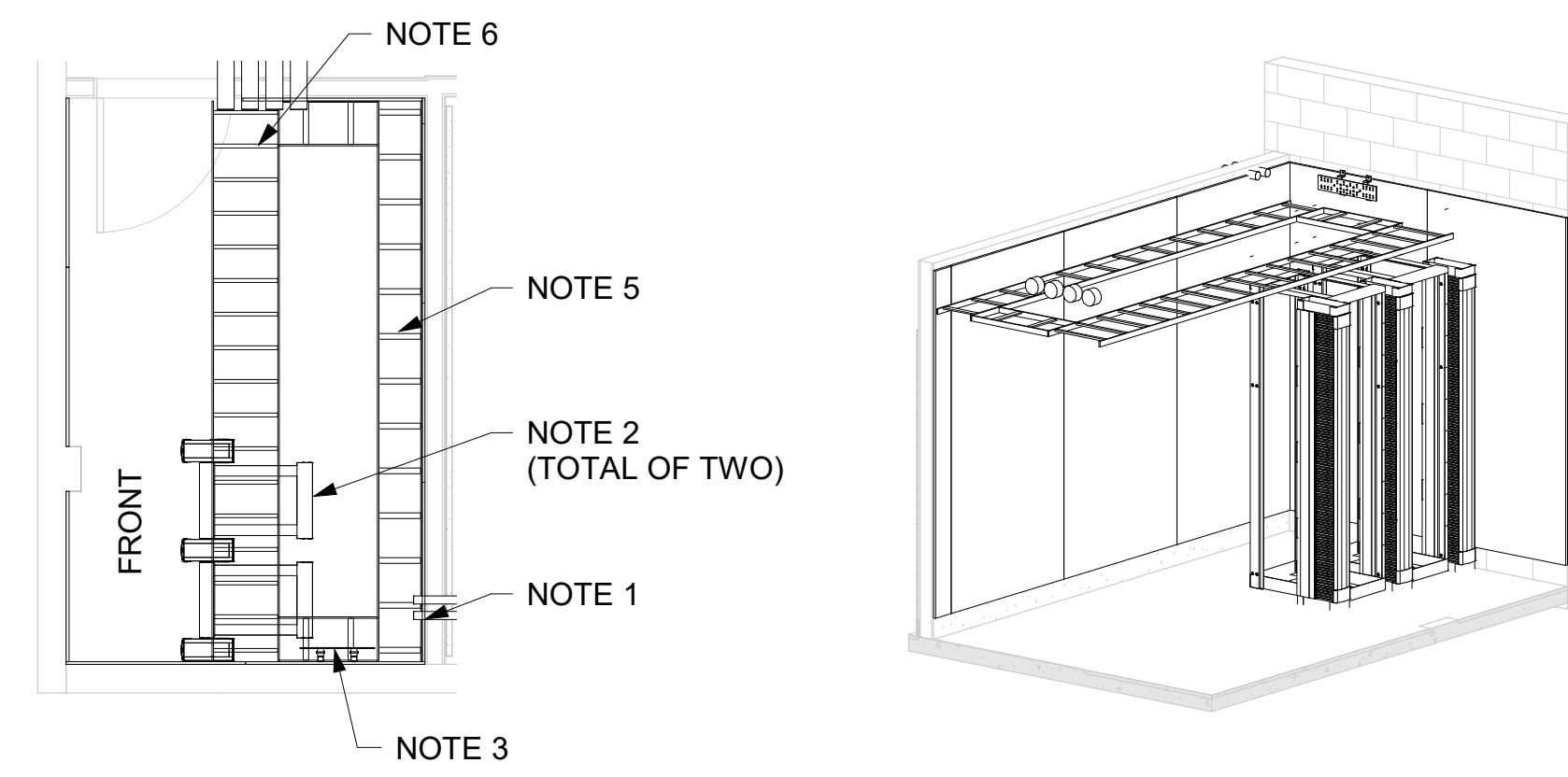
TELECOM MAIN LEVEL FLOOR PLAN - ADD ALTS

SCALE: 1/8" = 1'-0"

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T102A

10/11/2023 2:41:11 PM



1 MAIN LEVEL MDF 316A  
1/4" = 1'-0"

- SHEET NOTES (THIS SHEET ONLY)**
1. 4'W x 8'H x 0.75"D A-C GRADE FIRE RETARDANT TREATED PLYWOOD BACKBOARD. BACKBOARD SHALL BE PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT PRIOR TO INSTALLATION (ALL WALLS).
  2. 4-POST TELECOMMUNICATION EQUIPMENT RACK.
  3. TELECOMMUNICATION MAIN GROUNDING BUSBAR. MOUNTED AT 96" AFF.
  4. TELECOMMUNICATION GROUNDING BUSBAR. MOUNTED AT 96" AFF.
  5. 12" LADDER CABLE RUNWAY.
  6. 18" LADDER CABLE RUNWAY.

- GENERAL NOTES (THIS SHEET ONLY)**
- A. SEE TELECOMMUNICATION FLOOR PLANS FOR CONDUITS, CONDUIT CORES, AND CONDUIT SLEEVES ENTERING THE MDF AND IDF ROOMS.
  - B. CABLE RUNWAY: PROVIDE ALL PARTS AND PIECES TO CREATE A CONTINUOUS PATHWAY FOR CABLES WITHIN MDF AND IDF ROOMS. PROVIDE PARTS TO SUPPORT CABLE CONTINUOUSLY FROM THE CONDUITS, CONDUIT CORES, AND CONDUIT SLEEVES ENTERING THE MDF AND IDF ROOMS TO THE EQUIPMENT RACKS AND BACKBOARDS.
  - C. INSTALL WITH A MINIMUM OF 36" CLEAR ACCESS BEHIND AND IN FRONT OF RACK UNLESS OTHERWISE DIRECTED BY DRAWINGS.
  - D. MINIMUM CLEARANCE BETWEEN END OF ROW AND WALL SHOULD BE 36".

**RECORD DRAWINGS**

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PROJECT TITLE:

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600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010  
DATE: 10/11/2023  
SHEET TITLE:

**TELECOM ENLARGED PLANS**

SCALE: 1/4" = 1'-0"

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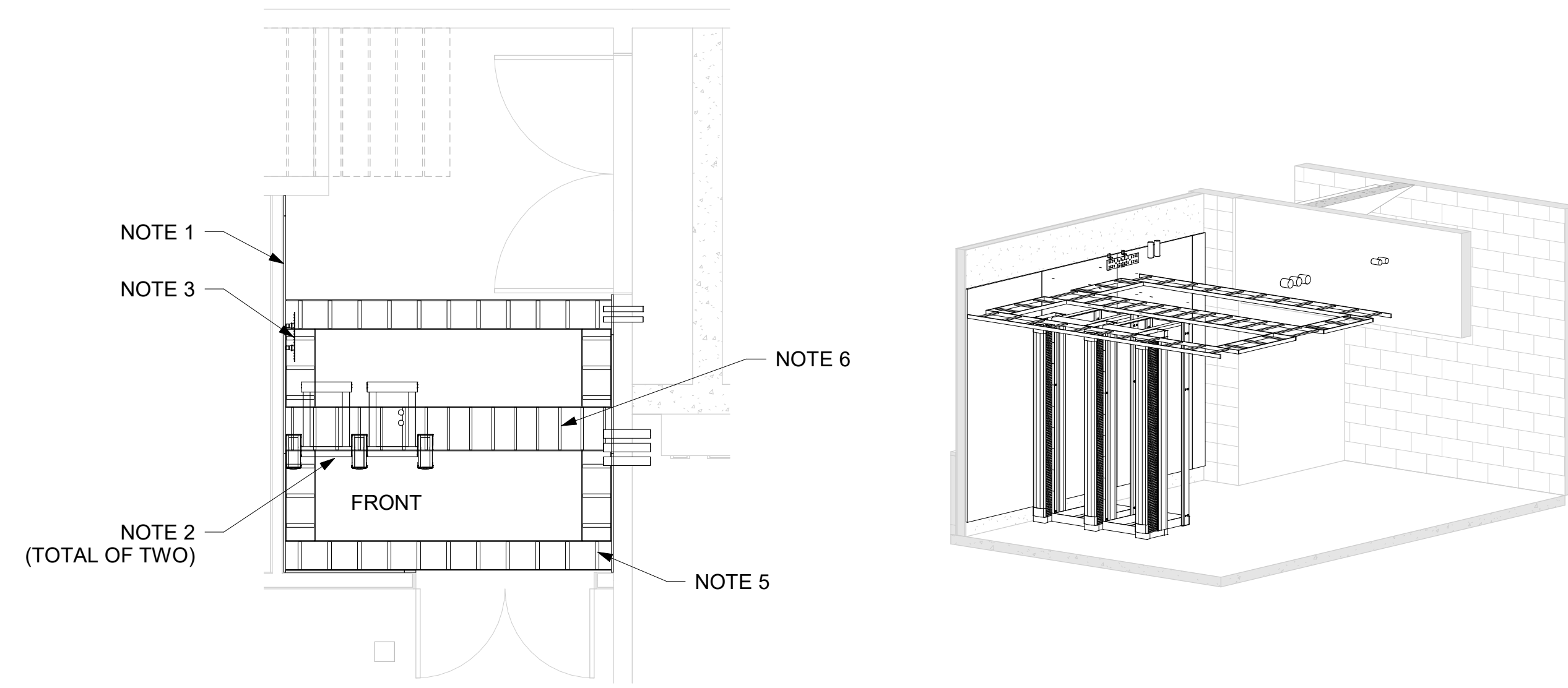
**T201**

### SHEET NOTES (THIS SHEET ONLY)

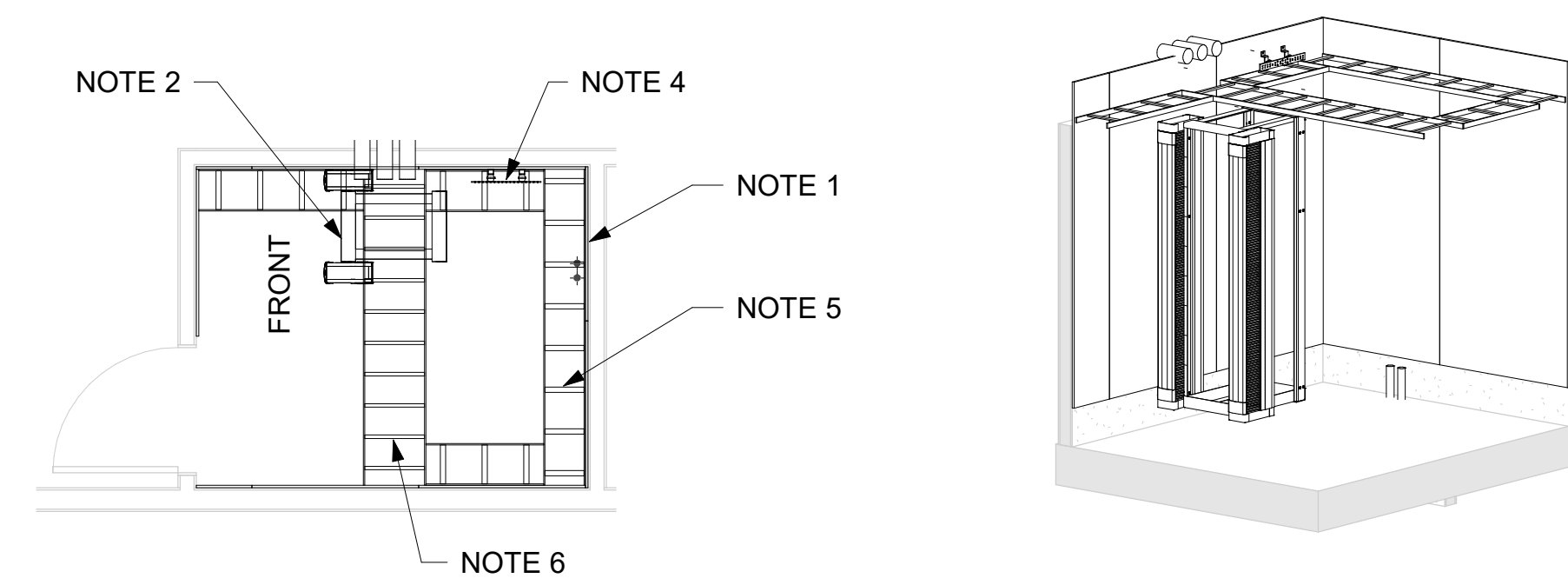
1. 4'W x 8'H x 0.75"D A-C GRADE FIRE RETARDANT TREATED PLYWOOD BACKBOARD. BACKBOARD SHALL BE PAINTED WITH TWO COATS OF FIRE RETARDANT PAINT PRIOR TO INSTALLATION (ALL WALLS).
2. 4-POST TELECOMMUNICATION EQUIPMENT RACK.
3. TELECOMMUNICATION MAIN GROUNDING BUSBAR. MOUNTED AT 96" AFF.
4. TELECOMMUNICATION GROUNDING BUSBAR. MOUNTED AT 96" AFF.
5. 12" LADDER CABLE RUNWAY.
6. 18" LADDER CABLE RUNWAY.

### GENERAL NOTES (THIS SHEET ONLY)

- A. SEE TELECOMMUNICATION FLOOR PLANS FOR CONDUITS, CONDUIT CORES, AND CONDUIT SLEEVES ENTERING THE MDF AND IDF ROOMS.
- B. CABLE RUNWAY: PROVIDE ALL PARTS AND PIECES TO CREATE A CONTINUOUS PATHWAY FOR CABLES WITHIN MDF AND IDF ROOMS. PROVIDE PARTS TO SUPPORT CABLE CONTINUOUSLY FROM THE CONDUITS, CONDUIT CORES, AND CONDUIT SLEEVES ENTERING THE MDF AND IDF ROOMS TO THE EQUIPMENT RACKS AND BACKBOARDS.
- C. INSTALL WITH A MINIMUM OF 36" CLEAR ACCESS BEHIND AND IN FRONT OF RACK UNLESS OTHERWISE DIRECTED BY DRAWINGS.
- D. MINIMUM CLEARANCE BETWEEN END OF ROW AND WALL SHOULD BE 36".



1 LOWER LEVEL MDF 115  
1/4" = 1'-0"



2 MAIN LEVEL MDF 324  
1/4" = 1'-0"

### RECORD DRAWINGS

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PROJECT TITLE:

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LIBRARY**

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PROJECT NO. 2111010

DATE: 10/11/2023

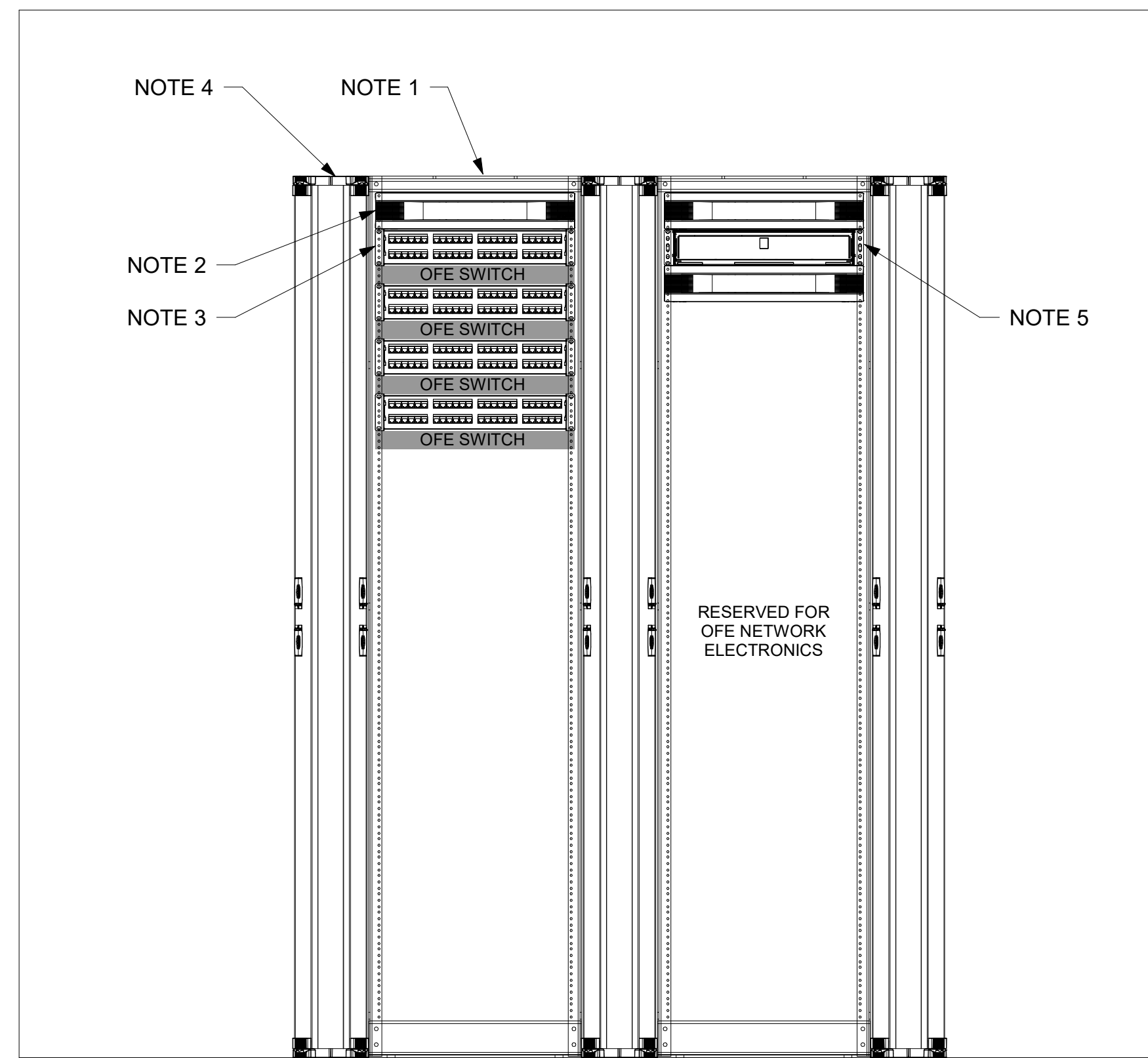
SHEET TITLE:

**TELECOM  
ENLARGED PLANS -  
ADD ALTS**

SCALE: 1/4" = 1'-0"

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T201A



1 MAIN LEVEL MDF 316A RACK ELEVATION  
NTS

### SHEET NOTES (THIS SHEET ONLY)

1. 4-POST TELECOMMUNICATION EQUIPMENT RACK.
2. 2RU HORIZONTAL CABLE MANAGEMENT.
3. 2RU 48-PORT ANGLED PATCH PANEL.
4. 6" DOUBLE SIDED VERTICAL CABLE MANAGEMENT.
5. FIBER OPTIC PATCH PANEL.

### RECORD DRAWINGS

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PROJECT TITLE:

**ALTADENA MAIN  
LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

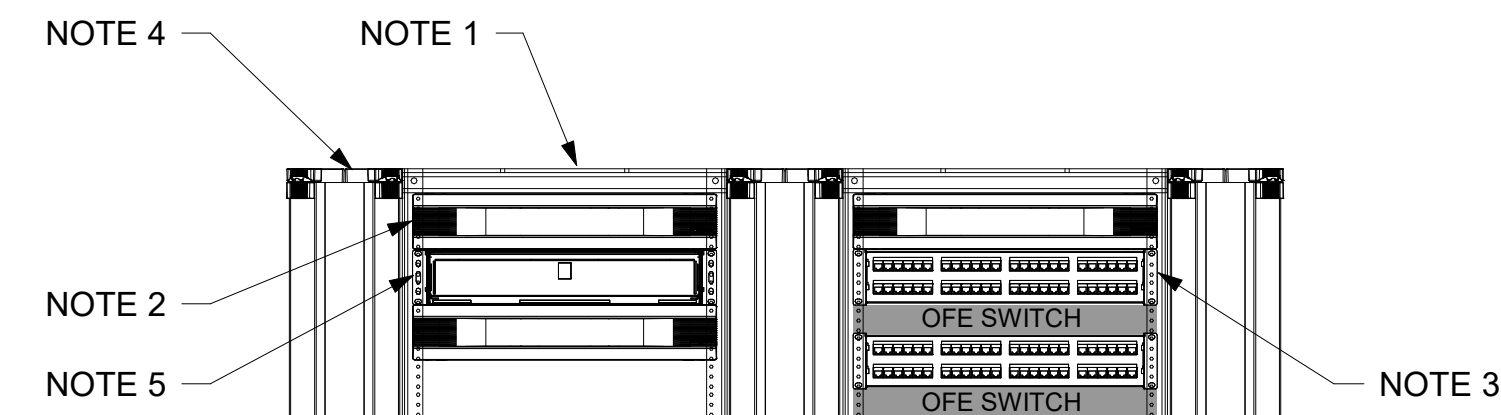
**TELECOM RACK  
ELEVATIONS**

SCALE: As indicated

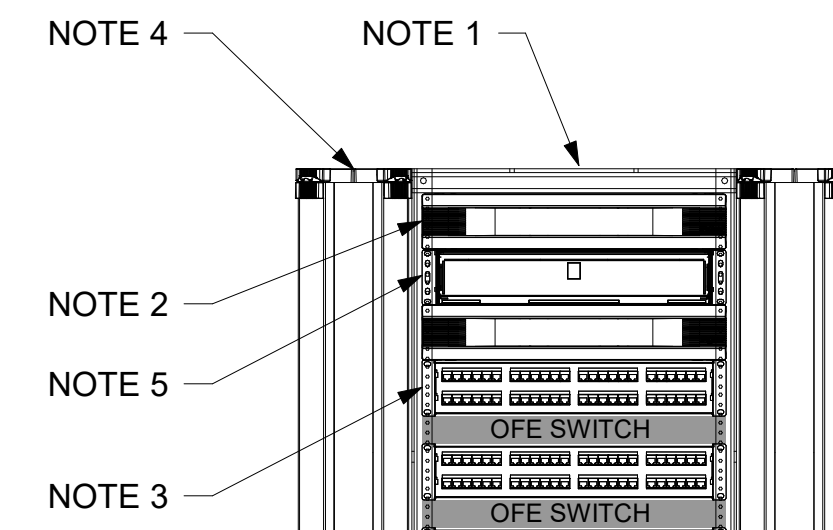
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### SHEET NOTES (THIS SHEET ONLY)

1. 4-POST TELECOMMUNICATION EQUIPMENT RACK.
2. 2RU HORIZONTAL CABLE MANAGEMENT.
3. 2RU 48-PORT ANGLED PATCH PANEL.
4. 6" DOUBLE SIDED VERTICAL CABLE MANAGEMENT.
5. FIBER OPTIC PATCH PANEL.



1 LOWER LEVEL MDF 115 RACK ELEVATION  
NTS



2 MAIN LEVEL MDF 324 RACK ELEVATION  
NTS

### RECORD DRAWINGS

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CONSTRUCTION**

NO.	DATE	REVISIONS
1	10/11/2023	100% DESIGN DEVELOPMENT

PROJECT TITLE:

**ALTADENA MAIN  
LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

**TELECOM RACK  
ELEVATIONS - ADD  
ALTS**

SCALE: As indicated

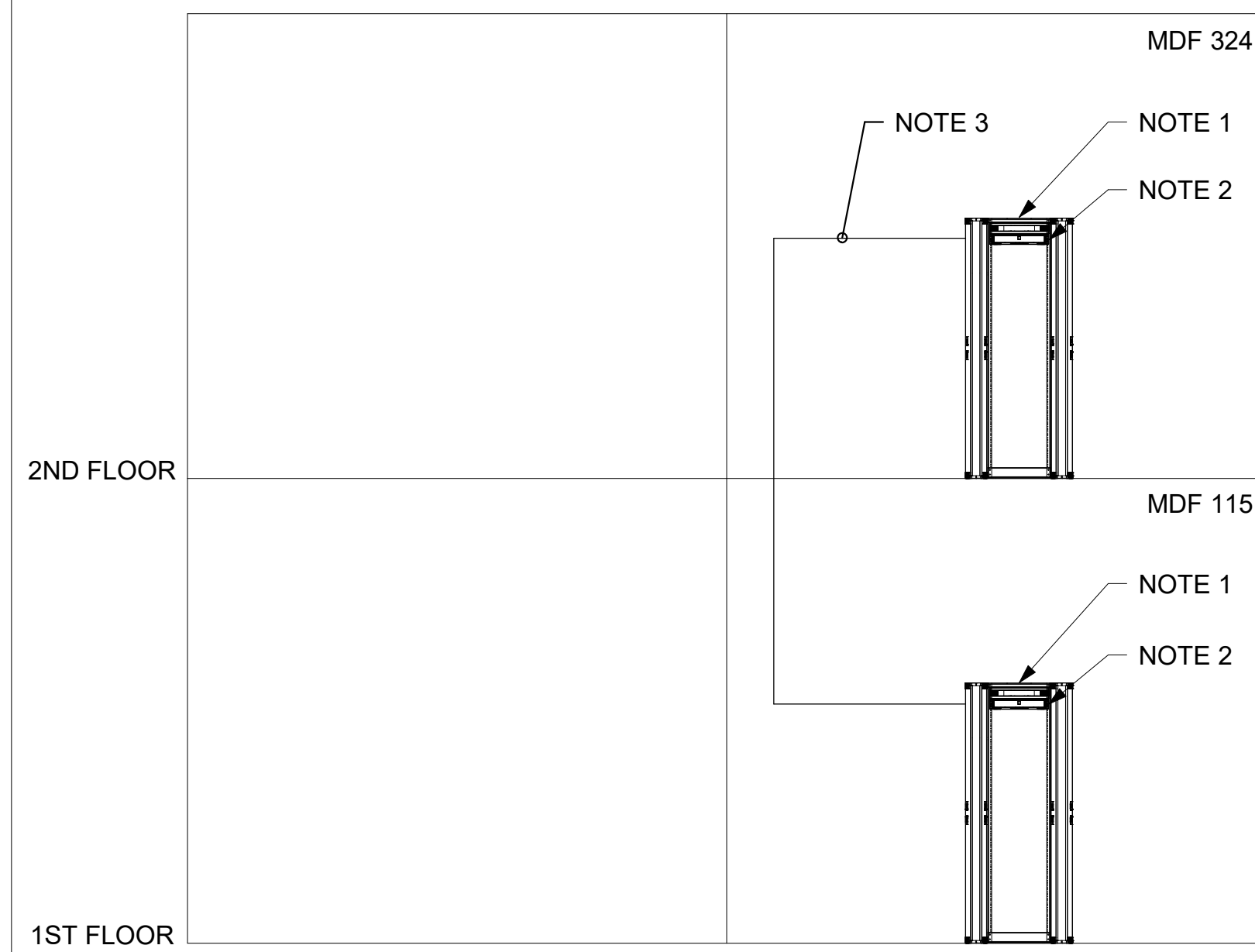
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T301A



### NOTES (THIS DETAIL ONLY)

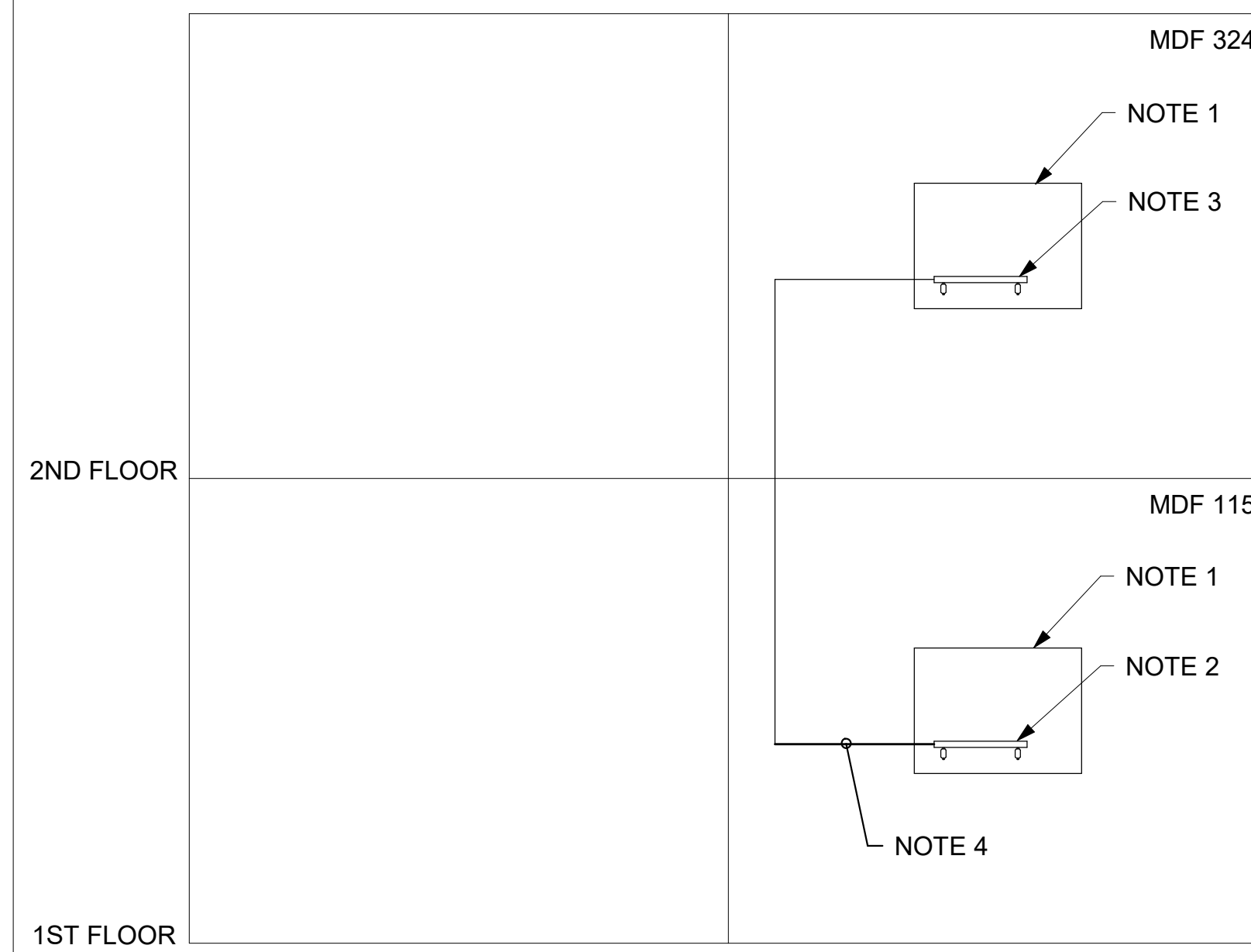
1. TELECOMMUNICATION EQUIPMENT RACK.
2. FIBER OPTIC PATCH PANEL.
3. 12-STRAND INTRABUILDING MULTIMODE OM4.



1 FIBER OPTIC RISER DIAGRAM  
NO SCALE

### NOTES (THIS DETAIL ONLY)

1. TELECOMMUNICATION BACKBOARD.
2. TELECOMMUNICATION MAIN GROUNDING BUSBAR.
3. TELECOMMUNICATION GROUNDING BUSBAR.
4. #1/0 AWG TELECOMMUNICATION BONDING BACKBONE.



2 GROUNDING/BONDING RISER DIAGRAM  
NO SCALE

### RECORD DRAWINGS

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PROJECT TITLE:

**ALTADENA MAIN  
LIBRARY**

600 E MARIPOSA STREET  
ALTADENA, CA 91001

PROJECT NO. 2111010

DATE: 10/11/2023

SHEET TITLE:

**TELECOM RISER  
DIAGRAMS - ADD  
ALTS**

SCALE: 1/4" = 1'-0"

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T401A