

PROJECT LOCATION

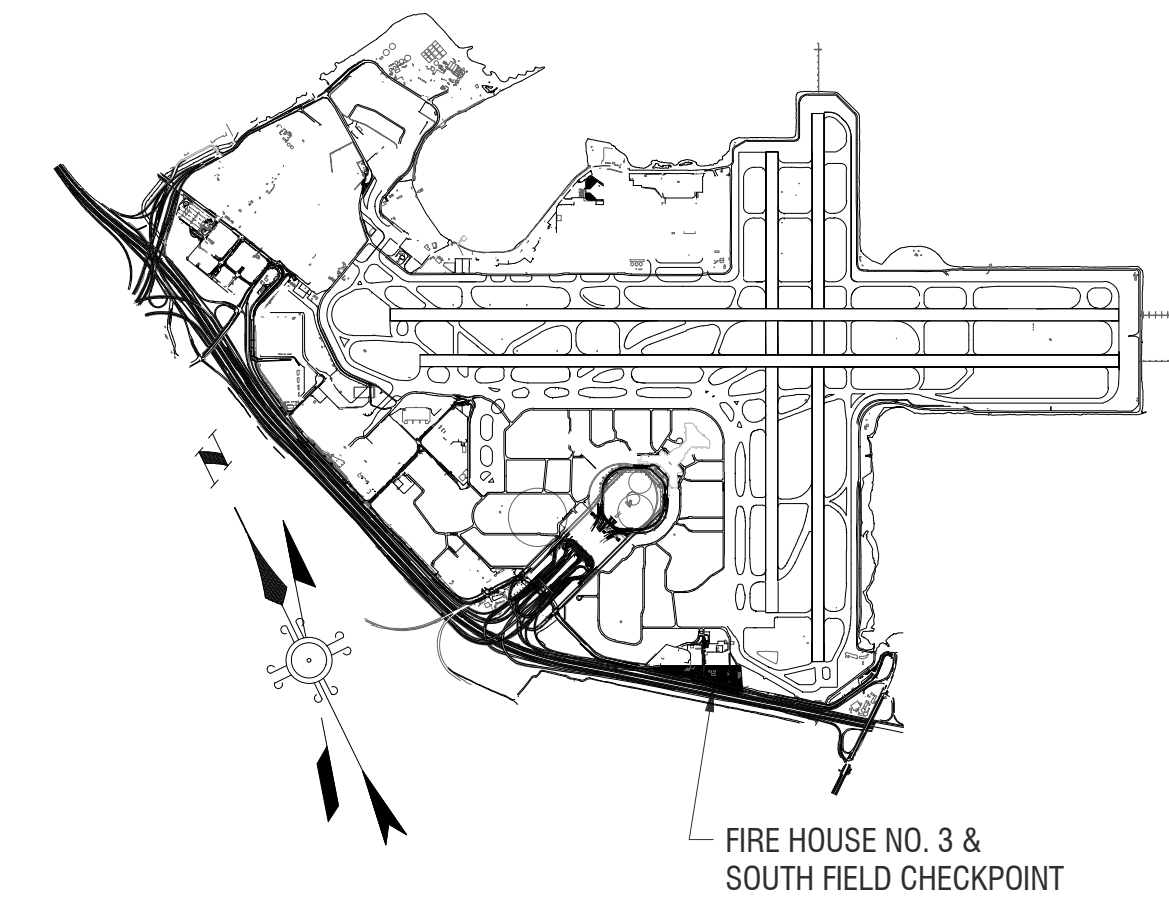
Key Map

**CITY AND COUNTY OF SAN FRANCISCO - AIRPORT COMMISSION
10050.71
FIRE HOUSE NO. 3 & SOUTHFIELD CHECKPOINT RELOCATION
PHASE 4 ISSUED FOR PERMIT
SAN FRANCISCO INTERNATIONAL AIRPORT - SAN FRANCISCO, CALIFORNIA**



SHAH KAWASAKI ARCHITECTS
YAMAMAR
619 7th Street, San Francisco, CA 94103
a joint venture of:
SHAH KAWASAKI ARCHITECTS
YAMAMAR Architecture

VICINITY MAP



FIRE HOUSE NO. 3 & SOUTH FIELD CHECKPOINT

NO.	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
A	12/15/15	ISSUED FOR PERMIT	
B	01/18/16	ISSUED FOR PERMIT	

CONTRACT NO. 10050.71

PROJECT TITLE
**SFO FH3 & SOUTH FIELD
CHECKPOINT RELOCATION
PHASE 4**

SHEET TITLE
COVER SHEET

PROJECT TEAM

CLIENT:
SAN FRANCISCO INTERNATIONAL AIRPORT
SAN FRANCISCO, CA 94128
CONTACT: DERRICK HOMER, PROJECT MANAGER
PHONE: (650) 621-7864
EMAIL: derrick.homer@flysfo.com

PROJECT MANAGEMENT:
PARSONS BRINCKERHOFF/AGS
SAN FRANCISCO INTERNATIONAL AIRPORT, BUILDING 10
SAN FRANCISCO, CA 94128
CONTACT: SCOTT STEWART
PHONE: (650) 821-5963
EMAIL: scott.stewart@flysfo.com

CIVIL ENGINEER:
TELAMON ENGINEERING CONSULTANTS, INC.
855 FOLSOM STREET, SUITE 142
SAN FRANCISCO, CA 94107
CONTACT: MENNOR CHAN
PHONE: (415) 837-1336
EMAIL: mennor.c@telamoninc.com

TELECOMMUNICATIONS:
SMITH FAUSE & MCDONALD, INC.
351 8TH STREET
SAN FRANCISCO, CA 94103
CONTACT: PETER MCDONALD
PHONE: (415) 255-9140
EMAIL: peter@sfmi.com

MECHANICAL/PLUMBING:
SJ ENGINEERS
233 SANSOME STREET, SUITE 980
SAN FRANCISCO, CA 94104
CONTACT: NEIL JOSON
PHONE: (415) 837-1500
EMAIL: njoson@sjengineers.com

TRAFFIC ENGINEER:
CHS CONSULTANT GROUP
225 MONTGOMERY STREET, SUITE 345
SAN FRANCISCO, CA 94104
CONTACT: CHI-HSIN SHAO
PHONE: (415) 392-9688
EMAIL: chshao@chsconsulting.net

STRUCTURAL ENGINEER:
PANNU LARSEN MCCARTNEY
111 PINE STREET, SUITE 1725
SAN FRANCISCO, CA
CONTACT: JEPPE LARSEN
PHONE: (415) 625-5300
EMAIL: jlarsen@plmse.com

ARCHITECT:
SHAH KAWASAKI ARCHITECTS / YAMAMAR DESIGN
619 7TH STREET
SAN FRANCISCO, CA 94103
CONTACT: ALAN KAWASAKI/KAREN MAR
PHONE: (510) 663-6090/(415) 550-3003
EMAIL: akawasaki@skarc.com/mar@yamamardesign.com

CONTRACTOR (CM/GC):
C. OVERAA & CO.
200 PARR BLVD.
RICHMOND, CA 94901
CONTACT: DOUG ESPLAND II
PHONE: (510) 234-0926
EMAIL: douge@overaa.com

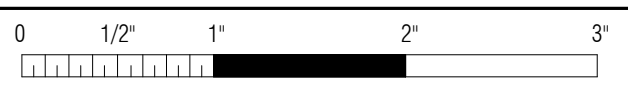
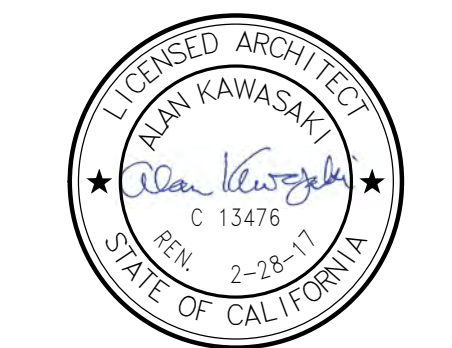
LANDSCAPE ARCHITECT:
ADRIENNE WONG ASSOCIATES
PIER 54, SUITE 206
SAN FRANCISCO, CA 94158
CONTACT: ADRIENNE WONG
PHONE: (415) 618-0719
EMAIL: adrienne.wong@awala.net

ELECTRICAL ENGINEER:
F.W. ASSOCIATES, INC.
68 12TH STREET, SUITE 300
SAN FRANCISCO, CA 94103
CONTACT: MUNSON FONG
PHONE: (415) 861-0286
EMAIL: mfong@fwa-inc.com

LIGHTING:
JS NOLAN + ASSOCIATES
LIGHTING DESIGN, INC.
601 FOURTH STREET, SUITE 115
SAN FRANCISCO, CA 94107
CONTACT: JANET NOLAN
PHONE: (415) 618-0171
EMAIL: jnolan@jsnald.com

SPECIFICATIONS:
TOPFLIGHT SPECS
55 NEW MONTGOMERY, SUITE 805
SAN FRANCISCO, 94105
CONTACT: RICHARD FIORY
PHONE: (415) 546-0633
EMAIL: fiory@topflightspecs.com

SECURITY ARCHITECT:
SUSAN OLDROYD ARCHITECT
645 STOCKTON STREET, SUITE 1005
SAN FRANCISCO, 94108
CONTACT: SUSAN OLDROYD
PHONE: (415) 553-0421
EMAIL: susan.oldroyd.faiia@gmail.com



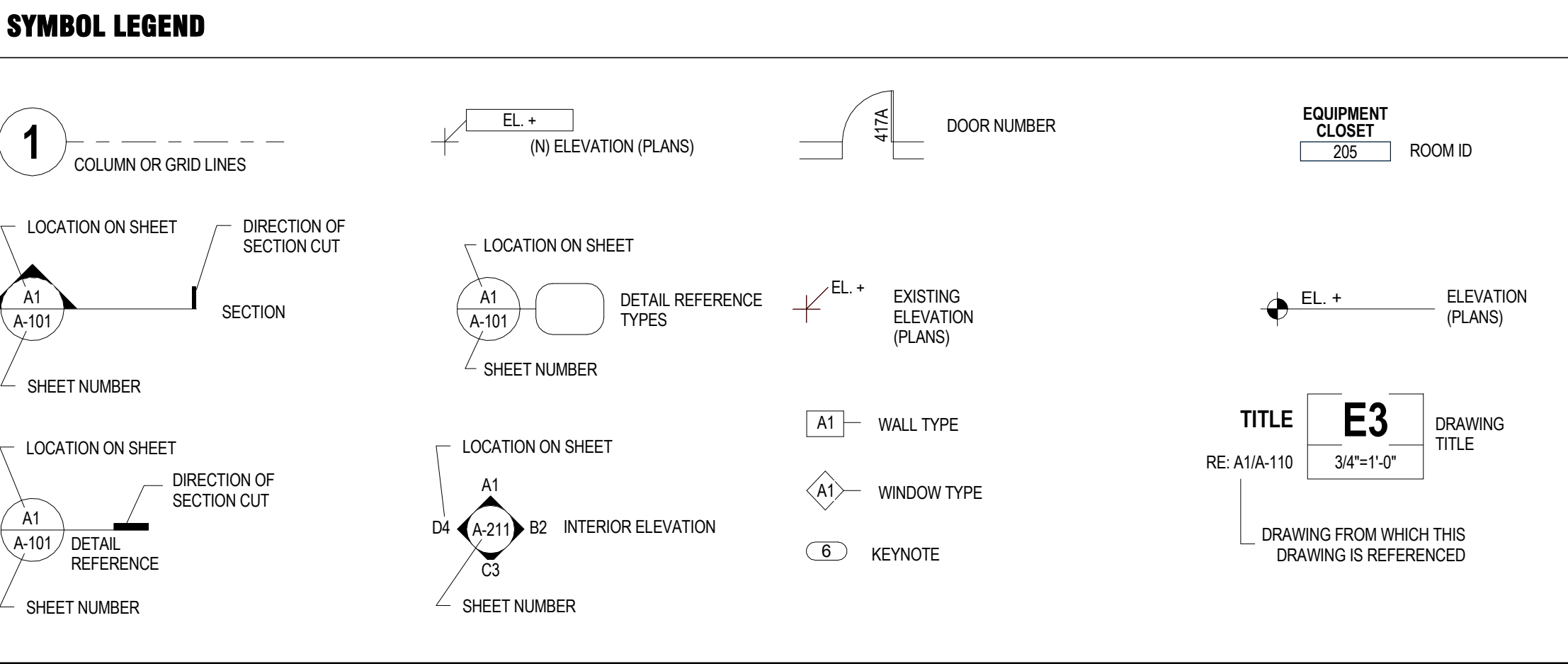
APPROVED:	DEPUTY AIRPORT DIRECTOR
APPROVED:	PRINCIPAL ARCHITECT
DESIGNED BY:	CHECKED BY:
DRAWN BY:	DATE:
AUTHOR:	01/18/16
SCALE:	SIZE:
AS SHOWN	ARCH-D
SHEET NUMBER	

A0.01

REVISION	SEQUENCE NUMBER
B	OF

ABBREVIATIONS	
°	ANGLE (DEGREES)
#	POUND / NUMBER
&	AND
(E)	EXISTING
EM	EMERGENCY
@	AT
ADJ	ADJACENT / ADJOINING / ADJUSTABLE
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ANOD	ANODIZED
AOA	AIR OPERATIONS AREA
BD	BOARD
BLDG	BUILDING
BLOCK	BLOCKING
BM	BEAM
BO	BOTTOM OF
CG	CORNER GUARD
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
DEG	DEGREES
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DTL	DETAIL
DWG	DRAWING
(E)	EXISTING
EACH	EACH
EL	ELEVATION
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
ETC	ETCETERA
EXT	EXTERIOR
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINER
FF	FINISH FLOOR
FFC	FURNISHED & INSTALLED BY CONTRACTOR
FIN	FINISHED
FIO	FURNISHED & INSTALLED BY OWNER
FLR	FLOOR
FO	FACE OF BUILDING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOIC	FURNISHED BY OWNER INSTALLED BY CONTRACTOR
FOS	FACE OF STUD
FT	FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GSM	GALVANIZED SHEET METAL
GYP	GYPSONUM
HC	HANDICAPPED / ACCESSIBLE
HM	HOLLOW METAL
HT	HEIGHT
ID	INSIDE DIAMETER / DIMENSION
IN	INCH
INT	INTERIOR
J-BOX	JUNCTION BOX
MAX	MAXIMUM
MDF	MEDIUM-DENSITY FIBERBOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
NEW	NEW
N/A	NOT APPLICABLE
NEC	NECESSARY
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
O	OVER
OC	ON CENTER
OD	OUTSIDE DIMENSION / DIAMETER
OH	OPPOSITE HAND
OPENING	OPENING
OSB	ORIENTED STRAND BOARD
P.L.	PROPERTY LINE
PERF	PERFORATED
PL	PROPERTY LINE
PLY	PLYWOOD
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAINT / PAINTED
RB	RESIDENT BASE
RCP	REFLECTED CEILING PLAN
REF	REFERENCE
REQD	REQUIRED
RM	ROOM
ROUGH	ROUGH OPENING
RWL	RAIN WATER LEADER
SAD	SEE ARCHITECTURAL DRAWINGS
SASM	SELF ADHERING SHEET MEMBRANE
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SED	SEE ELECTRICAL DRAWINGS
SF, SQ FT	SQUARE FEET
SHT	SHEET
SIM	SIMILAR
SLD	SEE LANDSCAPE DRAWINGS
SMD	SEE MECHANICAL DRAWINGS
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATIONS
SPKR	SPEAKER
SQ	SQUARE
SSD	SEE STRUCTURAL DRAWINGS
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STEEL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
TOP OF	TOP OF
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOP	TOP OF PLATE OR PARAPET
TOS	TOP OF SLAB
TYPICAL	TYPICAL
UL	UNDERWRITER'S LABORATORY
UNON	UNLESS OTHERWISE NOTED
UTIL	UTILITIES
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VP	VEENEER PLASTER
W	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WF	WIDE FLANGE
WO	WHERE OCCURS
WP	WORK POINT
WR	WATER RESISTANT
X	BY

GENERAL NOTES	
1. WRITTEN DIMENSIONS ON THESE DRAWINGS HAVE PRECEDENCE. DO NOT SCALE DRAWINGS. DIMENSIONS GOVERN. DETAILS SHALL GOVERN OVER PLANS AND ELEVATIONS. DETAIL DRAWINGS AND LARGE SCALE DETAILS SHALL GOVERN OVER SMALL SCALE DETAILS.	6. VEHICLES DELIVERING MATERIALS TO OR HAULING MATERIAL FROM THE WORK SITES SHALL USE THE GATES AS SHOWN ON THE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS ON THE JOB. NOTIFY THE ARCHITECT OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS. DETAIL DRAWINGS AND LARGER SCALE DRAWINGS TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.	7. ROADS DESIGNATED AS CONTRACTOR HAUL ROUTES WILL BE USED BY OTHER AIRPORT VEHICLES; CONTRACTORS AND GENERAL PUBLIC (ALONG PUBLIC ROADS). THE CONTRACTOR SHALL NOT INTERFERE WITH OTHER VEHICLES TRAFFIC AND SHALL YIELD TO EMERGENCY VEHICLES AN AIRCRAFT SIGNING, LIGHTING, ETC. REQUIRED BY THE AIRPORT TO PROVIDE ALL REASONABLE SAFETY MEASURES TO PROTECT ALL PERSONS UTILIZING THE AOA SERVICE ROADS, THE HAUL ROUTES AND ALL PUBLIC ROADS USED BY THE CONTRACTOR. THE CONTRACTOR SHALL OBEY ALL VEHICULAR WEIGHT AND SPEED LIMITS ESTABLISHED AS POSTED ON THE AIRPORT PROPERTY AND PUBLIC STREETS.
4. PROVIDE ALL WORK AND MATERIALS IN ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF ALL APPLICABLE STATE AND LOCAL CODES, LAWS, ORDINANCES AND STATUTES. NOTHING IN THESE DRAWINGS OR SPECIFICATIONS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK CONTRARY TO THESE RULES, REGULATIONS, AND CODES.	8. TRUCKS AND EQUIPMENT SHALL HAVE ALL LOOSE DIRT, ROCKS AND OTHER MATERIALS REMOVED WHEN ACCESSING THE AOA OR WHEN LEAVING A WORK AREA. THE CONTRACTOR SHALL PROVIDE ALL TRUCK WASHES, RUMBLE STRIPS, SHAKERS OR OTHER MEANS AS NECESSARY TO PREVENT FOD IN AIRFIELD MOVEMENT AREAS. THIS WILL BE PROVIDED BY THE AIRPORT AND IF THE CONTRACTOR'S METHOD IS NOT REMOVING THE DEBRIS ADEQUATELY TO MEET SAFETY REQUIREMENTS, THE CONTRACTOR MAY BE SHUTDOWN AND WILL BE REQUIRED TO IMPROVE THE METHOD OR UTILIZED A NEW METHOD AT NO ADDITIONAL COST TO THE AIRPORT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ARCHITECT'S ATTENTION AND SHALL BE RESOLVED BEFORE PROCEEDING WITH THE WORK.	9. ALL VEHICLES AND EQUIPMENT SHALL BE KEPT WITHIN THE WORK AREAS ESTABLISHED FOR THAT WORK SHIFT UNLESS TRAVELING TO OR FROM THE SITE. UNDER NO CIRCUMSTANCES SHALL VEHICLES BE PARKED OR EQUIPMENT BE STORED OUTSIDE OF THESE AREAS.
6. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN. SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW BY THE ARCHITECT. NOTES OF ONE DRAWING OR DETAIL APPLY TO ALL OTHER SIMILAR DRAWINGS OR DETAILS.	10. EQUIPMENT/MATERIAL STORAGE WILL NOT BE ALLOWED AT THE INDIVIDUAL WORK AREAS DURING NON-WORKING HOURS. EQUIPMENT/MATERIALS STORAGE FOR ALL WORK SHALL BE LOCATED AT THE CONTRACTOR'S STAGING AREA ONLY.
7. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS AND SPECIFICATIONS. WRITTEN INFORMATION TAKES PRECEDENCE OVER GRAPHIC REPRESENTATION.	11. NO STOCKPILING OF MATERIALS WILL BE ALLOWED AT THE WORK SITE OR IN THE AOA, EXCEPT A THE STAGE AREA.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK UNDER HIS CONTRACT, INCLUDING HIS SUBCONTRACTORS AND OTHER OWNER'S AUTHORIZED CONTRACTORS, IF APPLICABLE.	12. CONTRACTOR SHALL OBTAIN A BURN PERMIT. WELDING AND TORCH CUTTING OPERATIONS ARE PROHIBITED UNLESS THE CONTRACTOR IS ISSUED A PERMIT FOR SUCH ACTIVITY FROM THE AIRPORT FIRE MARSHAL. THIS MUST BE REQUESTED IN ADVANCE AND PERMIT ISSUED PRIOR TO COMMENCEMENT OF THIS TYPE OF WORK.
9. AS A GENERAL GUIDE, DIMENSIONS ARE TAKEN TO FACE OF FRAMING, EDGE OF SLAB, AND CENTER LINE OF STRUCTURAL COLUMN GRID LINES, UNLESS OTHERWISE NOTED ON THE DRAWINGS. METAL STUD PARTITIONS ARE DIMENSIONED TO FACE OF FRAMING. INTERIOR FACE OF EXTERIOR WALLS, BUILDING FURNITURE AND FINISH CLEARANCES ARE DIMENSIONED TO FACE OF FINISH. ELEVATIONS AND DATUM ARE POINTS OF REFERENCE IN THE WORK.	13. AIRPORT OPERATIONS WILL CONDUCT DAILY SAFETY MEETING WITH THE CONSTRUCTION SUPERVISOR THAT IS OVERSEEING THE PROJECT TO DISCUSS SAFETY ISSUES OR CONCERNS.
10. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE CONSTRUCTION DOCUMENTS, VISIT THE JOB SITE TO VERIFY EXISTING CONDITIONS, AND NOTIFY THE ARCHITECT AND THE COUNTY PROJECT MANAGER OF ANY PERCEIVED DISCREPANCIES BETWEEN THE PLANS AND THE SITE CONDITIONS BEFORE COMMENCING ANY WORK. CONTRACTOR TO VERIFY THAT THERE ARE NO CONDITIONS PREVAILING THAT WILL PREVENT HIM FROM PROCEEDING WITH A NORMAL, UNINTERRUPTED CONSTRUCTION PROCESS.	14. AIRPORT OPERATIONS, THE CONTRACTOR AND THE CONTRACT MANAGER WILL MEET WEEKLY TO DISCUSS THE UPCOMING CONSTRUCTION DETAILS FOR THE NEXT THREE WEEKS.
11. CONTRACTOR SHALL PROTECT PROPERTY AND ADJACENT PROPERTIES AGAINST DAMAGE. DAMAGES TO EXISTING IMPROVEMENTS TO REMAIN, INCLUDING BUT NOT LIMITED TO, UNDERGROUND UTILITIES, SITE WORK, LANDSCAPING, STRUCTURES AND ADJACENT PROPERTIES, SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION OF, AND AT NO ADDITIONAL COST TO THE OWNER.	UTILITY NOTES 1. THE EXISTENCE, LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN IN THESE PLANS WERE OBTAINED THROUGH A SEARCH OF AVAILABLE RECORDS AND ARE THEREFORE APPROXIMATE. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT THE UTILITIES SHOWN AND ANY OTHER LINES OR STRUCTURES THAT MAY NOT BE SHOWN ON THESE PLANS. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, REPAIR ANY CONSTRUCTION DAMAGE TO ANY UTILITIES OR STRUCTURE, TO THE SATISFACTION OF THE CONTRACT MANAGER.
12. "TYPICAL" (TYP.) MEANS IDENTICAL FOR ALL SIMILAR LOCATIONS.	2. ALL EXISTING UTILITIES WITHIN THE CONSTRUCTION AREAS OR THE STAGING AREA SHALL REMAIN ACTIVE, ACCESSIBLE, AND PROTECTED AT ALL TIMES. REFER TO THE SPECIFICATIONS, PHASING PLANS, AND DEMOLITION PLANS FOR ADDITIONAL REQUIREMENT THAT ARE ASSOCIATED WITH THIS PROJECT.
13. "SIMILAR" (SIM.) MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITION NOTED. VERIFY DIMENSIONS AND ORIENTATION WITH DRAWINGS.	3. POWER AND CONTROL CABLES FOR AIRFIELD LIGHTING AND NAVIGATIONAL AIDS ARE LOCATED IN THE CONSTRUCTION AREAS. THE CONTRACTOR'S PERSONNEL SHALL BE FAMILIAR WITH THESE CABLE LOCATIONS AND KEEP VEHICLES AND EQUIPMENT CLEAR OF ANY CABLES AT ALL TIMES, AS INDICATED ON THE PHASING PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN THE SERVICE OF A PRIVATE UTILITY LOCATOR TO MARK ALL UTILITIES (OPERATIONAL OR ABANDONED) PRIOR TO STARTING ANY EXCAVATION, DEMOLITION OR EARTHWORK. CONTACT BICE PLUMBING INSPECTOR TO CONFIRM.
14. THE CONTRACTOR SHALL ASSIST IN THE COORDINATION OF "NIC" ITEMS INCLUDING FURNITURE INSTALLATION, EQUIPMENT INSTALLATION, TELEPHONE WORK, ETC.	4. POWER AND CONTROL CABLES FOR CRITICAL EXISTING FIRE HOUSE FUNCTIONS ARE LOCATED IN THE CONSTRUCTION AREAS. THE CONTRACTOR'S PERSONNEL SHALL BE FAMILIAR WITH THESE CABLE LOCATIONS AND KEEP VEHICLES AND EQUIPMENT CLEAR OF ANY CABLES AT ALL TIMES, AS INDICATED ON THE PHASING PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN THE SERVICE OF A PRIVATE UTILITY LOCATOR TO MARK ALL UTILITIES (OPERATIONAL OR ABANDONED) PRIOR TO STARTING ANY EXCAVATION, DEMOLITION OR EARTHWORK.
15. ALL PARTITIONING OF CEILINGS SHALL BE BRACED IN COMPLIANCE WITH THE REQUIREMENTS OF ALL APPLICABLE SEISMIC AND BUILDING CODES.	FOREIGN OBJECT DEBRIS (FOD) PREVENTION 1. AIRCRAFT AND AIRCRAFT ENGINE ARE SUBJECT TO DAMAGE FROM FOD AND WASTE MATERIALS LYING ON AND ADJACENT TO AIRFIELD PAVEMENTS. THE CONTRACTOR SHALL REMOVE ALL SUCH MATERIALS THAT MAY APPEAR ON OPERATIONAL AIRCRAFT PAVEMENTS DUE TO THE CONTRACTOR'S OPERATIONS. THE CONTRACTOR SHALL PROVIDE VACUUMSWEEPERS OF SUFFICIENT SIZE AND QUANTITY TO ALLOW THE CONTRACTOR TO PERFORM CONTINUOUS CLEANING OF THE ENTIRE WORK AREA DURING THE CONSTRUCTION SHIFT. THE VACUUMSWEEPERS SHALL BE EASILY ACCESSIBLE TO THE CONTRACTOR AND SHOULD BE KEPT IN A STANDBY POSITION SHOULD THE CONTRACT MANAGER OR AIRPORT OPERATIONS REQUIRE REMOVAL.
16. THE CONTRACTOR SHALL PROVIDE METAL BACKING PLATES, OR FIRE TREATED WOOD BLOCKING, AS REQUIRED IN WALLS BEHIND ALL MOUNTED ITEMS OF CASEWORK, ACCESSORIES, ETC.	2. THE CONTRACTOR SHALL MAINTAIN A FOD FREE WORK AREA ADJACENT TO ALL OPERATING AREAS OF THE AIRFIELD, INCLUDING HAUL ROUTES, BY PERFORMING VACUUMSWEEPING DURING VACUUMSWEEPING ACTIVITIES. THE CONTRACTOR SHALL YIELD TO ALL AIRCRAFT TRAFFIC.
17. VERTICAL DIMENSIONS ARE MEASURED FROM TOP OF SLAB UNLESS OTHERWISE NOTED.	3. THE CONTRACTOR SHALL PERFORM A COMPLETE VACUUMSWEEP OF THE ENTIRE WORK AREA PRIOR TO COMPLETION OF EACH SHIFT. AIRPORT OPERATIONS PERSONNEL MUST APPROVE WORK AREAS PRIOR TO CONTRACTOR ALLOWING SWEEPER TO LEAVE JOB SITE.
18. ALL BLOCKING OR SHIM PIECES USED IN THE FINISHED CONSTRUCTION OF THE BUILDING SHALL BE OF FIRE TREATED MATERIALS.	4. VACUUMSWEEPER OPERATOR MUST CARRY A TWO WAY RADIO IN ORDER TO COMMUNICATE WITH AIRPORT OPERATIONS PERSONNEL. SO AS TO IMMEDIATELY RESPOND TO FOD ISSUES.
19. MAINTAIN ALL BLDG. SECURITY, FIRE ALARM & FIRE PROTECTION SYSTEMS AT ALL TIMES.	CLEAN-UP OF CONSTRUCTION AREAS: 1. WASTE MATERIAL OR DEBRIS SHALL BE REMOVED BY THE CONTRACTOR EACH DAY, OR AS DIRECTED BY THE CONTRACT MANAGER, TO ENSURE THAT IT DOES NOT CREATE A HAZARD. DEBRIS SHALL NOT BE DEPOSITED ON ANY ACTIVE PORTION OF A RUNWAY, TAXIWAY, TAXILANE, OR APRON. 2. WASTE MATERIALS - ALL WASTE MATERIALS, INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND DISPOSED OF DAILY OFF AIRPORT PROPERTY AT A PROPERLY LICENSED FACILITY, UNLESS OTHERWISE APPROVED BY THE CONTRACT MANAGER. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. 3. HAZARDOUS WASTE - AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS: PAINT, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SPILL STABILIZATION, CURING COMPOUND AND ADDITIVES. IN THE EVENT OF A SPILL THAT MAY BE HAZARDOUS, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION AND CONTACT THE FIRE DEPARTMENT. CONTRACTOR IS RESPONSIBLE FOR SFD RESPONSE AND CLEAN-UP OF HAZMAT SPILLS RELATED TO THEIR WORK AT NO COST TO THE AIRPORT.
20. ASBESTOS CONTAINING MATERIALS (ACM) SHALL NOT BE INSTALLED ON THIS PROJECT.	CONTRACTOR'S OPERATIONS AND STORAGE YARD STORAGE OF EQUIPMENT AND MATERIALS LEFT OVERNIGHT SHALL BE IN THE LAYDOWN AREA. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SECURITY OF THE LAYDOWN AREA AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED TO SUCH PREMISES. THE CONTRACTOR SHALL RESTORE THE STAGING AND STORAGE AREAS TO THEIR ORIGINAL CONDITION PRIOR TO FINAL ACCEPTANCE OF THE WORK. THE CONTRACTOR'S STAGING AREA IS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE CONTRACT MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING AND UTILITY CONNECTIONS REQUIRED TO OPERATE OUT OF THE STAGING AREA.
21. COMPLIANCE WITH CHAPTER 33 OF THE CFC IS REQUIRED DURING ALL PHASES OF PROJECT.	MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT (TABLE 1004.1.2) • ASSEMBLY W/O FIXED SEATS - UNCONCENTRATED 15 NET • BUSINESS AREAS 100 GROSS • DORMITORIES 50 GROSS • EXERCISE ROOMS 50 GROSS • PARKING GARAGES 200 GROSS • RESIDENTIAL 200 GROSS
22. ALL HOT WORK REQUIRES A SEPARATE HOT WORK PERMIT FROM THE SFA FIRE MARSHAL'S OFFICE.	COMMON PATH OF TRAVEL - FULLY SPRINKLERED (TABLE 1014.3) • S-2 100' • R-2 125' • B 100'
23. FIRE ALARM AND FIRE SPRINKLER SUBMITTALS SHALL COMPLY WITH THE REQUIREMENTS OF THE SFD ADMINISTRATIVE BULLETINS 2.01 AND 2.04 RESPECTIVELY.	EXIT ACCESS TRAVEL DISTANCE - FULLY SPRINKLERED (TABLE 1012.2) • S-2 400' • R-2 250' • B 300'
VERTICAL DATUM INFORMATION 1. THE VERTICAL DATA SHOWN HEREON IS BASED ON NAVD88	INTERIOR EXIT STAIRWAYS (SECTION 1022.2) BOTH INTERIOR EXIT STAIRWAYS ARE ENCLOSED (W/1-HR FIRE BARRIERS) AND HAVE DIRECT ACCESS TO THE EXTERIOR. 2 ENCLOSED STAIRWAYS ARE PROVIDED PER TABLE 1021.1.
HORIZONTAL DATUM INFORMATION 1. ALL COORDINATES SHOWN ARE IN THE SFA "B" COORDINATES UNLESS OTHERWISE NOTED.	EXIT OR EXIT ACCESS DOORWAY ARRANGEMENT - 1015.2 • UNSPRINKLERED - 1/2 MAXIMUM OVERALL DIAGONAL OF AREA SERVED • SPRINKLERED - 1/3 MAXIMUM OVERALL DIAGONAL OF AREA SERVED
BENCHMARKS 1. ALL BENCHMARKS SHALL BE FIELD VERIFIED BY THE CONTRACTOR. 2. CONTRACTOR SHALL PROTECT AND RE-ESTABLISH ALL MONUMENT REFERENCE POINTS.	ACCESSIBILITY TO PUBLIC BUILDINGS, PUBLIC ACCOMMODATIONS, COMMERCIAL BUILDINGS & PUBLIC HOUSING (CHAPTER 11B) • 11B-201.1 ALL AREAS OF NEWLY DESIGNED & NEWLY CONSTRUCTED BUILDINGS AND FACILITIES AND ALTERED PORTIONS OF EXISTING BUILDINGS AND FACILITIES SHALL COMPLY WITH THESE REQUIREMENTS. • 11B-205.1 WHERE PARKING SPACES ARE PROVIDED, PARKING SPACES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 11B-208 • 11B-213.1 WHERE TOILET FACILITIES AND BATHING FACILITIES ARE PROVIDED, THEY SHALL COMPLY WITH SECTION 11B-213 • 11B-402.1 ACCESSIBLE ROUTES SHALL COMPLY WITH 11B-402
SAFETY NOTES 1. IN ADDITION TO THE FOLLOWING REQUIREMENTS, ALSO REFER TO SPECIFICATION SECTION 01 35 23, SAFETY, SECTION 01 35 53, FOR SECURITY REQUIREMENTS, WHERE CONFLICTS OCCUR BETWEEN THE REQUIREMENTS ON THE CONSTRUCTION PHASING PLANS, SPECIFICATIONS, AND THOSE INDICATED IN THE REFERENCED FAA ADVISORY CIRCULARS, THE PLANS AND SPECIFICATIONS SHALL GOVERN. 2. THE CONTRACTOR SHALL COMPLY WITH FAA ADVISORY CIRCULAR 1505370-2F OR MOST CURRENT VERSION, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION" INTO THE ABOVE SPECIFICATIONS. 3. THE CONTRACTOR SHALL BE FAMILIAR WITH AND COMPLY WITH FAA ADVISORY CIRCULAR 707460-1K, "OBSTRUCTION MARKING AND LIGHTING", FAA ADVISORY CIRCULAR 1505210-5B APPENDIX 1, "PAINTING, MARKING, LIGHTING OF VEHICLES USED ON AIRFIELD", 14 CFR PART 7, "OBJECT AFFECTING AVAILABLE NAVIGABLE AIRSPACE" AND PART 139 "CERTIFICATION OF AIRPORTS". 4. ALL CONSTRUCTION WORK ON OR WITHIN THE AIR OPERATIONS AREA IS SUBJECT TO THE OPERATIONAL SAFETY AND SECURITY REQUIREMENTS OF THE ABOVE REFERENCES AND ANY ADDITIONAL REQUIREMENTS AS REQUIRED BY THE FEDERAL GOVERNMENT, STATE, COUNTY, CITY OR AS MAY BE DEMED NECESSARY BY SAN FRANCISCO INTERNATIONAL AIRPORT (SFO). 5. EACH CONTRACTOR, INCLUDING EACH CONTRACTOR/SUBCONTRACTOR EMPLOYEE, WHO OPERATES A GROUND VEHICLE ON ANY PORTION OF THE AOA AT SFO MUST BE FAMILIAR WITH AND COMPLY WITH: 5A. SFO'S RULES AND REGULATIONS 5B. SFO'S OPERATIONS OF GROUND VEHICLES 5C. THE CONSEQUENCE OF NON-COMPLIANCE WITH SFO'S RULES AND REGULATIONS AND/OR PROCEDURES FOR OPERATIONS OF GROUND VEHICLES.	



FIRE STATION PROJECT DESCRIPTION	
LOCATION: SAN FRANCISCO INTERNATIONAL AIRPORT, SOUTH FIELD	
NEW 21,159 SQUARE FOOT FIRE HOUSE TO REPLACE EXISTING FIRE HOUSE NO.3 AT THE SOUTH FIELD CHECKPOINT SITE. THE NEW FIRE HOUSE WILL CONSIST OF A TWO-STORY OFFICE/LIVING QUARTERS BUILDING WITH A 6 BAY APPARATUS GARAGE. THE NEW FIRE HOUSE WILL BE LOCATED AT THE EASTERN EDGE OF THE SOUTH FIELD CHECKPOINT SITE.	
BUILDING INFORMATION:	
BUILDING HEIGHT:	-31'-6"
AREA:	
-LEVEL 1 FIRE HOUSE	7,663 SF
-LEVEL 1 APPARATUS BAY:	5,769 SF
-LEVEL 2 FIRE HOUSE:	7,727 SF
TOTAL:	21,159 SF
APPLICABLE CODES & STANDARDS	
(SEE SPECIFICATIONS FOR COMPLETE LIST)	
2013 CALIFORNIA BUILDING CODE	
2013 CALIFORNIA MECHANICAL CODE	
2013 CALIFORNIA ELECTRICAL CODE	
2013 CALIFORNIA PLUMBING CODE	
2013 CALIFORNIA FIRE CODE AS AMENDED BY THE CITY AND COUNTY OF SAN FRANCISCO (SFFC)	
2013 CALIFORNIA GREEN BUILDING STANDARD CODE	
2013 CALIFORNIA ENERGY CODE	
NFPA - ALL CODES & STANDARDS	
NATIONAL FIRE CODE RECOMMENDED PRACTICES AND GUIDE	
SFO TENANT IMPROVEMENT GUIDE	
SFA RULES & REGULATIONS	
FEDERAL & STATE AMERICANS WITH DISABILITIES ACT	
CAL-OSHA GUIDE FOR THE CONSTRUCTION INDUSTRY	
CALIFORNIA CODE OF REGULATIONS TITLE 24	
ADA/ADAAG CODES	
LEED VERSION 4 NEW CONSTRUCTION	
SFO SUSTAINABILITY REQUIREMENTS SPECIFICATION DOCUMENT SECTION 01 35 10	
MR PREREQUISITE CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT PLANNING	
MR CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT CREDIT	
SFO SUSTAINABILITY REQUIREMENTS SPECIFICATION DOCUMENT SECTION 01 35 10	
SAN FRANCISCO ADMINISTRATIVE BULLETIN AB-093	
SAN FRANCISCO FIRE DEPARTMENT ADMINISTRATIVE BULLETIN 2.07 (DIESEL GENERATOR & FUEL TANK)	
CODE SUMMARY	
USE & OCCUPANCY CLASSIFICATION (302.1)	PLUMBING FIXTURE COUNT
• R-2 SECTION 310.4	
• S-2 SECTION 311.3	
• B SECTION 304.1	
BUILDING HEIGHTS & AREA LIMITATIONS - TYPE OF CONSTRUCTION: IIB, FULLY SPRINKLERED - (TABLE 503)	
• USE R-2 OCCUPANCY (MIXED USE & OCCUPANCY - MOST RESTRICTIVE AS PER 508.3.2)	
• ALLOWABLE HEIGHT 4 STORIES OR 55 FEET	
• BUILDING AREA PER STORY 16,000	
REQUIRED SEPARATION OF OCCUPANCIES	
• R-2 & B 1 HR. (TABLE 508.4)	
• R-2 & S-2 1 HR. (TABLE 508.4)	
• S-2 & B 1 HR. (TABLE 508.4)	
FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS TYPE IIB (TABLE 601)	
• PRIMARY STRUCTURE 0 HRS	
• BEARING WALLS INTERIOR 0 HRS	
• BEARING WALLS EXTERIOR 0 HRS	
• NONBEARING WALLS-INT 0 HRS	
• FLOOR CONSTRUCTION 0 HRS	
• ROOF CONSTRUCTION 0 HRS	
FIRE RESISTANCE RATING FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE TYPE IIB (TABLE 602)	
• 10' < X < 30' 0 HRS (MORE THAN 20' BET FH3(MIXED) & BR11(F-1))	
MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION	
• 20' TO LESS THAN 25' TABLE (705.8) -UNPROTECTED, NON-SPRINKLERED 45% NO LIMIT -UNPROTECTED, SPRINKLERED NO LIMIT -PROTECTED NO LIMIT	
* SEE ANALYSIS ON A1.02	
MINIMUM PLUMBING FIXTURES PER CPC TABLE 422.1	
TYPES OF OCCUPANCY OCCUPANT TYPE OCCUPANT LOAD WATER URINAL LAVATORY	
R-2 WOMEN 14 2 0 2 MEN 14 2 1 2	
S-2 WOMEN 1 1 0 1 MEN 1 1 0 1	
B WOMEN 6 1 0 1 MEN 6 1 1 1	
A-3 WOMEN 16 1 0 1 MEN 16 1 1 1	
MINIMUM TOTAL *SEE NOTE 3 ON TABLE 422.1	
FIXTURES PROVIDED	14 2 13
ADDITIONAL PLUMBING FIXTURES PER CPC TABLE 422.1	
BATHTUBS OR SHOWERS	
4 REQ. (4 FOR R-2)	
7 PROVIDED	
DRINKING FOUNTAINS:	
1 REQ. (1 PER 150 FOR MOST RESTRICTIVE OCCUPANCY) (B OR R-2)	
2 PROVIDED	
SERVICE SINKS	
4 REQ. (1 EACH FOR R-2, S-2, B AND A-3 OCCUPANCY)	
3 MOP SINKS PROVIDED, 7 ADDITIONAL SERVICE SINKS PROVIDED	
REQUIRED ACCESSIBLE TOILET FACILITIES PER CPC 1172A.2 (R-2 IS MOST RESTRICTIVE OCCUPANCY) NOT LESS THAN 1% OR 1 OF EACH TYPE OF FIXTURE SHALL BE PROVIDED IN COMMON USE AREAS	
ACCESSIBLE FIXTURES REQUIRED:	
WATER CLOSET 1 OF 14 LAVATORY 1 OF 7 DRINKING FOUNTAIN 1 OF 7 SHOWER 1 OF 7 OTHER SINKS 1 OF 7	
ACCESSIBLE FIXTURES PROVIDED:	
WATER CLOSET 12 OF 14 (86%) LAVATORY 1 OF 7 (14%) DRINKING FOUNTAIN 1 OF 7 (14%) SHOWER 5 OF 7 (71%) OTHER SINKS 4 OF 7 (57%)	

SOUTH FIELD CHECKPOINT PROJECT DESCRIPTION	
DEMOLITION AND REMOVAL OF THE EXISTING INTERSECTION OF SOUTH McDONNELL ROAD AND SOUTH AREA DRIVE AND RELATED SIGNALS AS CONFIRMED BY SAN FRANCISCO INTERNATIONAL AIRPORT.	
SITE WORK INCLUDING PROVISION OF UNDERGROUND UTILITY CONNECTIONS REQUIRED FOR CONSTRUCTION OF THE SOUTH FIELD CHECKPOINT AND FIREHOUSE NO. 3 UNDERGROUND UTILITIES WILL INCLUDE FIRE WATER, WATER, SEWER, ELECTRICAL AND ITT. SITE WORK WILL INCLUDE GRADING, STRIPING AND RE-STRIPING OF SOUTH McDONNELL ROAD.	
THE CHECKPOINT WILL CONSIST OF CRASH BARRIERS, SPEED GATES, SECURITY FENCING, GUARD BOOTHS, RESTROOM AND RELATED EQUIPMENT AND FOUNDATIONS. INTEGRATION OF CHECKPOINT SECURITY FEATURES AND INFRASTRUCTURE SHALL BE PROVIDED BY DESIGN/ASSIST SUBCONTRACTOR.	
DEFERRED APPROVALS	
1. FIRE PROTECTION SYSTEM	
2. FIRE ALARM SYSTEM	
3. EMERGENCY GENERATOR & FUEL TANK	
DELEGATED DESIGN:	
1. COMPOSITE METAL PANEL (RAINSREEN) SUPPORTS	
2. CORRUGATED METAL PANEL SUPPORTS	
3. PHOTOVOLTAIC PANELS AND SUPPORTS	
4. ROOF GUARDRAILS	
5. SKYLIGHTS	
6. ROOF HATCHES	
7. LULA ELEVATOR	
8. SUNSHADE SUPPORTS	
9. ELECTRIC 4-FOLD DOORS	
10. CURTAIN WALL	
BASE PLAN INFORMATION	
ALL INFORMATION ON SITE PLANS IN THIS SET ARE BASED ON THE FOLLOWING DOCUMENTS PROVIDED BY SFA:	
*BASEMAPMARCH2015_NSR2007 DWG & 12/23/1996 AIRPORT INTERIM FACILITY DRAWING SET BY ROBERT H. LEE & ASSOCIATES. SEE REFERENCE DRAWINGS FOR THIS SET.	
AECOM SURVEY (TOPGRAPHIC SURVEY OF FIREHOUSE NO. 3) DATED AUGUST 13, 2015	

San Francisco International Airport

PROJECT LOCATION

Key Map

NO.	DATE	REVISIONS	ISSUED FOR PERMIT	ISSUED FOR PERMIT

10050.71

SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

GENERAL INFORMATION

DESIGNED BY: **Designer**

DRAWN BY: **Author**

SCALE: **AS SHOWN**

SHEET NUMBER

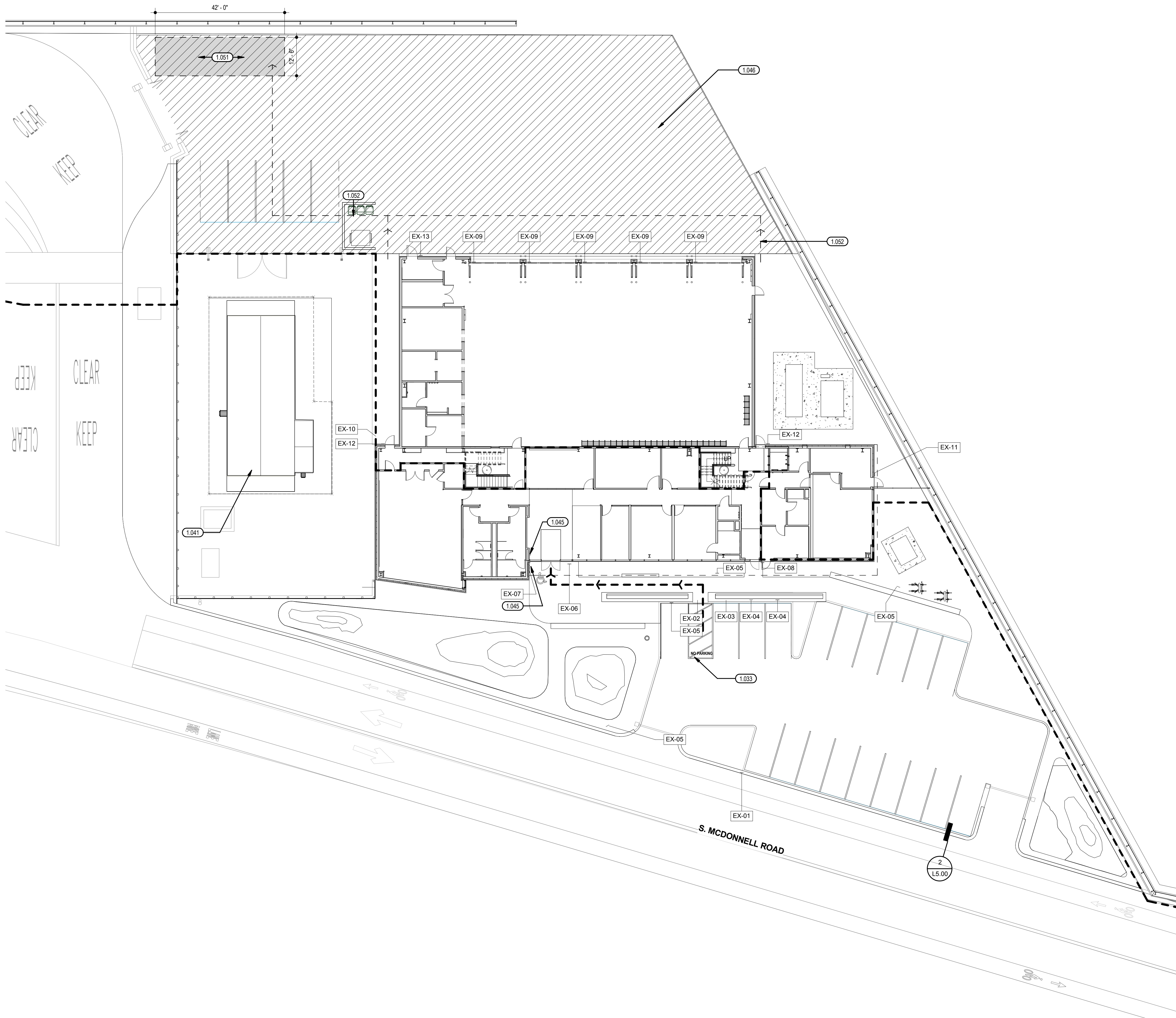
CHECKED BY: **Checked By**

DATE: **01/18/16**

SIZE: **ARCH-D**

A0.03

REVISION	SEQUENCE NUMBER
B	OF



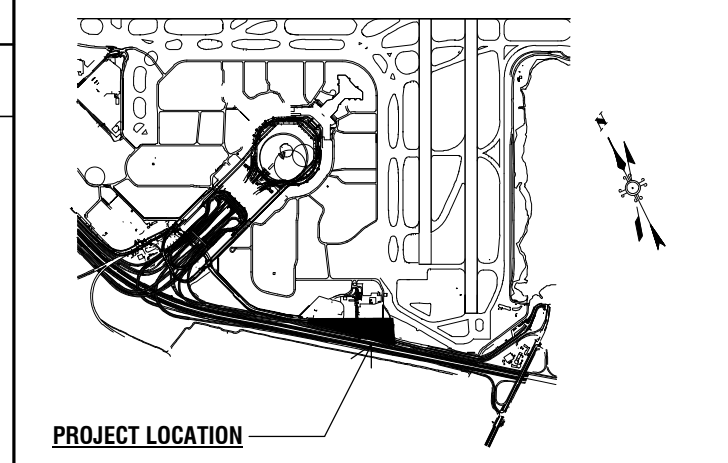
- KEY NOTES**
- 1.033 (N) ADA SPACE 11' X 18' (8' AISLE) W/16X20 ADA BLUE/WHITE SYMBOL
 - 1.041 (E) BR 11 ELECTRICAL SUBSTATION, TO REMAIN SCD, SED FOR CHANGES
 - 1.045 ADA ACTUATOR
 - 1.046 CONCRETE APRON, SCD
 - 1.051 SAFE DISPERSAL AREA PER CBC 1027.5 (104 OCCUPANTS X 5SF/PERSON = 520SF MIN.)
 - 1.052 PATH OF TRAVEL FROM BUILDING EXITS TO SAFE DISPERSAL AREA, SEE A-005 FOR CONTINUATION

SHEET NOTES

- LEGEND**
- ACCESSIBLE PATH OF TRAVEL
 - ADA ACCESSIBLE ENTRY
 - AOA BOUNDARY

SIGNAGE SCHEDULE EXTERIOR

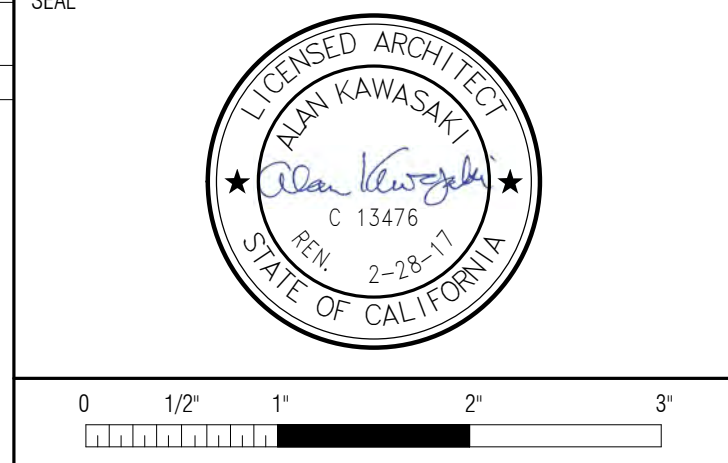
NO.	SIGN #	SIGNAGE INFO	DETAIL REFERENCE	COMMENTS
EX-01	TOW AWAY SIGN	SCD		
EX-02	ADA PARKING	SCD		W/250 MIN. FINE SIGN
EX-03	CARPOOL/VANPOOL PREFERRED			
EX-04	FUEL EFFICIENT VEHICLE PARKING			
EX-04	FUEL EFFICIENT VEHICLE PARKING			
EX-05	ADA ROUTE		7/A.07	
EX-05	ADA ROUTE		7/A.07	
EX-05	ADA ROUTE		7/A.07	
EX-05	ADA ROUTE		7/A.07	
EX-06	ADA DECAL		5/A.07	MOUNT ON INSIDE OF GLASS
EX-07	SFO FIRE STATION 3			
EX-08	STAFF ONLY NO PUBLIC ACCESS		2/A.07	
EX-09	APP BAY #1			
EX-09	APP BAY #2			
EX-09	APP BAY #3			
EX-09	APP BAY #4			
EX-09	APP BAY #5			
EX-10	EXIT ROUTE W/ ARROW		6/A.07	
EX-11	ELECTRICAL ROOM		2/A.07	
EX-12	EXIT ONLY, NO ACCESS		2/A.07	
EX-12	EXIT ONLY, NO ACCESS		2/A.07	
EX-13	RECYCLING		2/A.07	



Key Map

REVISIONS	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
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B	01/18/16	ISSUED FOR PERMIT	

10050.71
SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4
SIGNAGE & SITE ACCESSIBILITY PLAN



APPROVED: DEPUTY AIRPORT DIRECTOR
APPROVED: PRINCIPAL ARCHITECT
DESIGNED BY: Designer
DRAWN BY: Author
SCALE: AS SHOWN
SHEET NUMBER

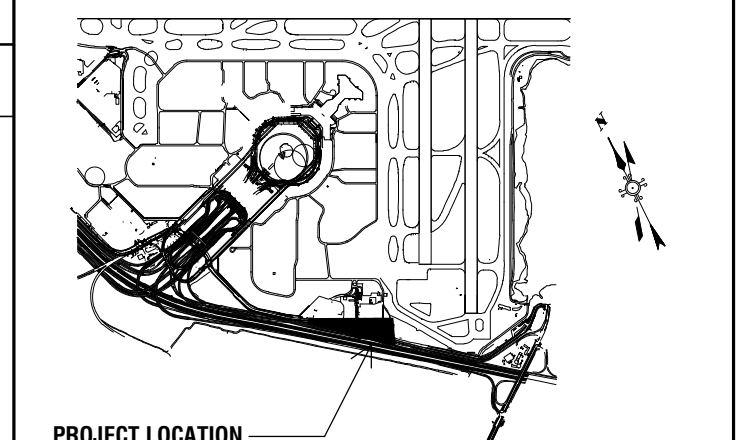
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DATE: 01/18/16
SIZE: ARCH-D

A0.04

REVISION **B** SEQUENCE NUMBER _____ OF _____

SITE PLAN SIGNAGE & ACCESSIBILITY PLAN 1

1/16" = 1'-0"



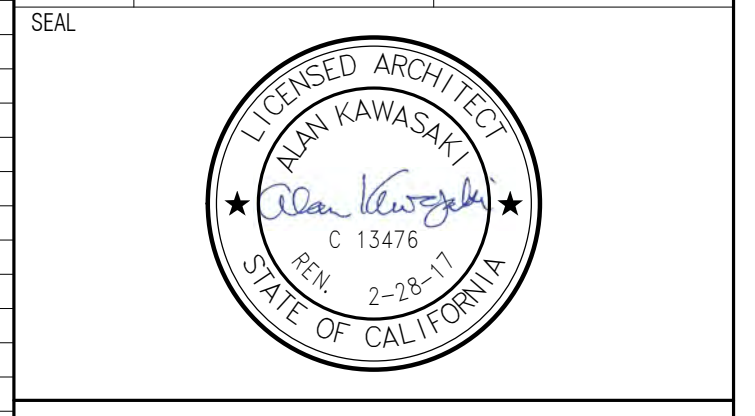
PROJECT LOCATION

Key Map

REVISIONS

NO.	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
A	12/15/16	ISSUED FOR PERMIT	
B	01/18/16	ISSUED FOR PERMIT	

10050.71
SFO FH3 & SOUTH FIELD
CHECKPOINT RELOCATION
 PHASE 4
CODE DIAGRAM LEVEL 1



CONTRACT NO. 10050.71

PROJECT TITLE: SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

SHEET TITLE: CODE DIAGRAM LEVEL 1

APPROVED: DEPUTY AIRPORT DIRECTOR

APPROVED: PRINCIPAL ARCHITECT

DESIGNED BY: Designer

DRAWN BY: AS SHOWN

CHECKED BY: CHECKED BY

DATE: 01/18/16

SCALE: ARCH-D

SHEET NUMBER

A0.05

REVISION **B** SEQUENCE NUMBER

SHEET NOTES

ACCESSIBLE MEANS OF EGRESS (1007, 11A, 11B)

ACCESSIBILITY OF GROUP R OCCUPANCY
 ACCESSIBLE ROUTE PER 119A.1
 ACCESSIBLE AREAS MAY BE ADAPTABLE PER 112B.1, 11B-233.3.1.2
 ACCESSIBLE BATHROOM IN R OCCUPANCY: ONLY 1 REQUIRED PER 113A.2 (OPTION 2)
 ACCESSIBLE AREAS INCLUDE COMMON USE AREAS AND AMENITIES SUCH AS MULTIPLE DORMITORY ROOMS, SANITARY FACILITY AND KITCHEN.

LEVEL 1
 MEANS OF EGRESS S-2 OCCUPANCY (SPRINKLERED BUILDING) AREA = 6,967SF

EXITS (1021.1)	MIN. REQUIRED	PROVIDED
EXIT ACCESS TRAVEL DIST. (1016.2)	1	2
MINIMUM EXIT DOORS DISTANCE (1015.2.1)	400'	100'-8"
1/3 DIAGONAL OF S-2 AREA (129'-4 1/2"/3) =	43'-1 1/2'	98'-0 1/2"

MEANS OF EGRESS R-2 OCCUPANCY (SPRINKLERED BUILDING) AREA = 1,313SF
 *NOT INCLUDING STAIRS OR ELEVATOR SHAFT (ONLY ROOMS EAST OF LINE-6.6)

EXITS (1021.1)	MIN. REQUIRED	PROVIDED
EXIT ACCESS TRAVEL DISTANCE (1016.2)	1	2
MINIMUM EXIT DOORS DISTANCE (TABLE 1015.1)	250'	82'-11"
R-2 OCCUPANCY @ 1ST LEVEL IS LESS THAN 10 OCCUPANTS	1	1

MEANS OF EGRESS FOR B OCCUPANCY (SPRINKLERED BUILDING) AREA = 4,358SF

EXITS (1021.1)	MIN. REQUIRED	PROVIDED
EXIT ACCESS TRAVEL DISTANCE (1016.2)	1	4
MINIMUM EXIT DOORS DISTANCE (1015.2.1)	300'	86'-6"
1/3 BLDG DIAGONAL FIRST FLOOR (167'-10'3") =	55'-11"	123'-8"

EXTERIOR COVERED AREAS - NFPA 13
 EXTERIOR OVERHANG/SOFFIT (SPRINKLERED)
 537 SF (EXCEEDS 4'-0" AT SOUTH)

ROUTE TO SAFE DISPERSAL AREA. SEE A0.04 FOR CONTINUATION

LEGEND

- PROPERTY LINE
- 1-HR FIRE BARRIER
- Room name
- Room name & number
- Name
- Room name
- Room number
- Occupancy
- Occupant load
- S-2
- Occupancy type
- 150sf/Load
- SF Occupant load factor
- Occupant load
- Path of egress
- ADA accessible entry
- 5'-0" diameter ADA clear turning radius & 4'-0" x 2'-0" ADA clear floor space
- R-2 OCCUPANCY
 RESIDENTIAL PORTION OF FIRE STATION
 TOTAL GROSS AREA = 8,776 SF
 8,776/200 SF/OCCUPANT = 44 OCCUPANTS*
 *154 TOTAL USING TABLE 1004.1.2 METHOD
- S-2 OCCUPANCY
 APPARATUS BAY PORTION OF FIRE STATION
 TOTAL GROSS AREA = 8,032 SF
 8,032/200 SF/OCCUPANT = 41 OCCUPANTS*
 *41 TOTAL USING TABLE 1004.1.2 METHOD
- B OCCUPANCY
 BUSINESS PORTION OF FIRE STATION
 TOTAL GROSS AREA = 4,357 SF
 4,357/100 SF/OCCUPANT = 44 OCCUPANTS*
 *85 TOTAL USING TABLE 1004.1.2 METHOD

OCCUPANT LOAD - LEVEL 1 (PER CBC SECTION 1004, TABLE 1004.1.1)

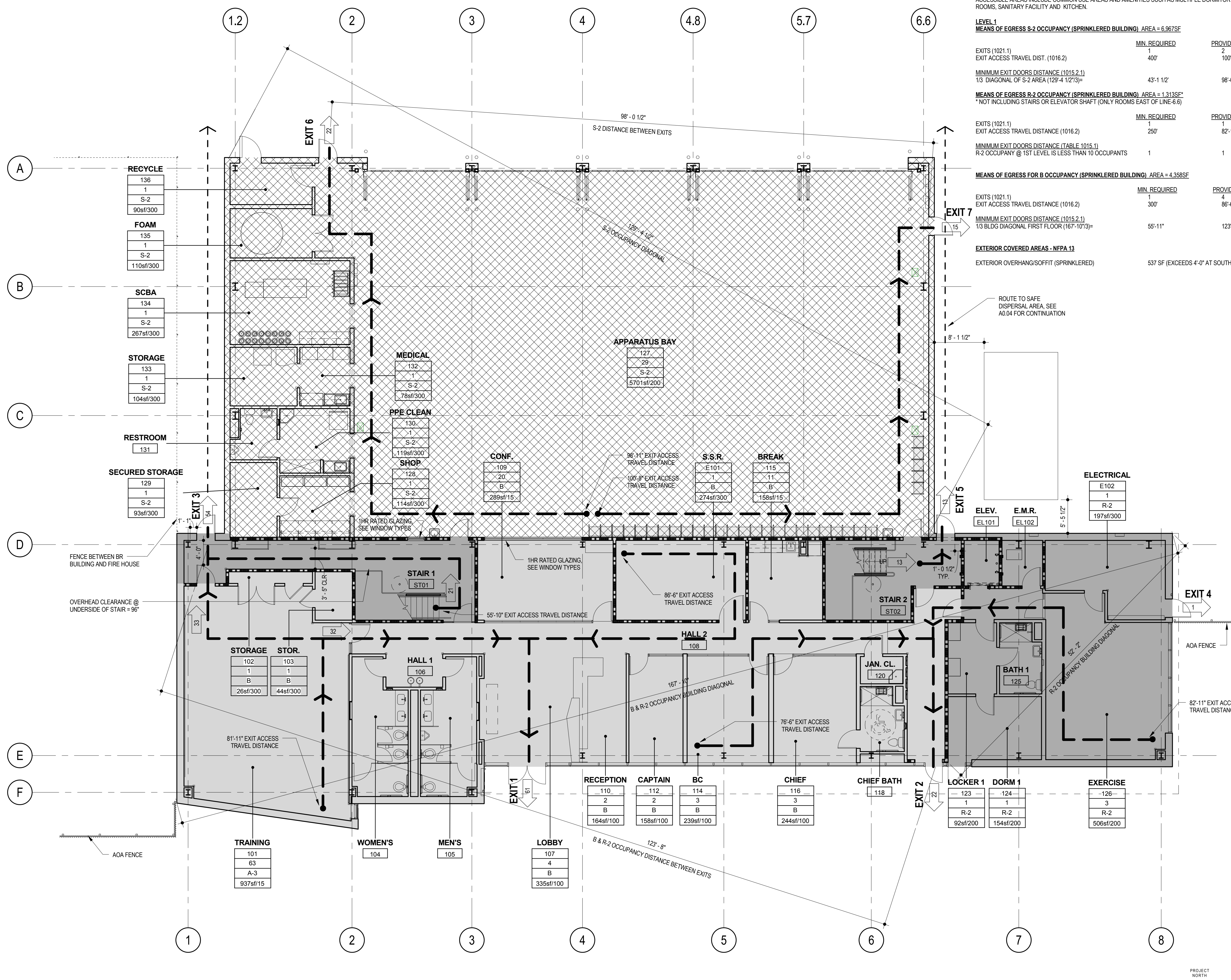
ROOM NO.	ROOM NAME	OCCUP. TYPE	Area (SF)	LOAD FACTOR	OCC. LOAD
101	TRAINING	A-3	937 SF	15	63
102	STORAGE	B	26 SF	300	1
103	STOR.	B	48 SF	300	1
104	WOMEN'S	B	184 SF		
105	MEN'S	B	184 SF		
106	HALL 1	B	161 SF		
107	LOBBY	B	335 SF	100	4
108	HALL 2	B	271 SF		
109	CONF.	B	289 SF	15	20
110	RECEPTION	B	164 SF	100	2
112	CAPTAIN	B	158 SF	100	2
114	BC	B	239 SF	100	3
115	BREAK	B	154 SF	15	11
116	CHIEF	B	242 SF	100	3
118	CHIEF BATH	B	70 SF		
120	JAN. CL.	B	31 SF		
121	HALL 3	B	193 SF		
122	HALL 4	B	65 SF		
123	LOCKER 1	R-2	92 SF	200	1
124	DORM 1	R-2	156 SF	200	1
125	BATH 1	R-2	75 SF		
126	EXERCISE	R-2	496 SF	200	3
127	APPARATUS BAY	S-2	5705 SF	200	29
128	SHOP	S-2	115 SF	300	1
129	SECURED STORAGE	S-2	93 SF	300	1
130	PPE CLEAN	S-2	119 SF	300	1
131	RESTROOM	S-2	55 SF		
132	MEDICAL	S-2	78 SF	300	1
133	STORAGE	S-2	104 SF	300	1
134	SCBA	S-2	267 SF	300	1
135	FOAM	S-2	107 SF	300	1
136	RECYCLE	S-2	90 SF	300	1
E101	S.S.R.	B	274 SF	300	1
E102	ELECTRICAL	R-2	204 SF	300	1
EL101	ELEV.	R-2	42 SF		
EL102	E.M.R.	R-2	49 SF		
ST01	STAIR 1	R-2	392 SF		
ST02	STAIR 2	R-2	235 SF		

NOTE: OCC. LOADS ARE BASED UPON FLOOR AREA, NET (CBC, CHP. 2)

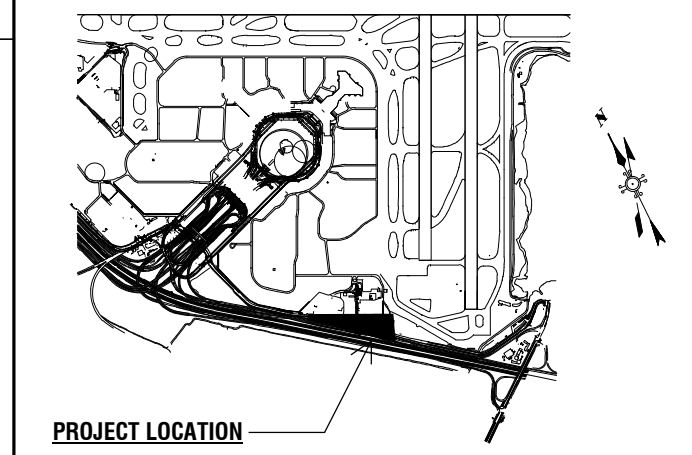
EXIT CAPACITY

LEVEL 1 EXITS						
NO.	EXIT TYPE	REQD. WIDTH	ACTUAL WIDTH	EXIT CAPACITY	EXIT USE	EXIT CAPACITY USE
EXIT 1, TEMPERED FIRE SAFETY GLAZING	DOOR	32"	68"	340	61	
EXIT 2, TEMPERED FIRE SAFETY GLAZING	DOOR	32"	34"	170	22	
EXIT 4	DOOR	32"	34"	170	1	
EXIT 5	DOOR	32"	34"	170	13	
EXIT 6	DOOR	32"	34"	170	22	
EXIT 7	DOOR	32"	34"	170	15	

LEVEL 2 EXITS						
NO.	STAIR TYPE	REQD. WIDTH	ACTUAL WIDTH	CAPACITY	EXIT USE	EXIT USE
ST01	STAIR	44"	48"	160	21	
ST02	STAIR	44"	48"	160	13	



LEVEL 1 CODE DIAGRAM 1
 RE: 1/A3.01 1/8" = 1'-0"



PROJECT LOCATION

Key Map

LEVEL 2
MEANS OF EGRESS S-2 OCCUPANCY (SPRINKLERED BUILDING) AREA = 1,065SF

	MIN. REQUIRED	PROVIDED
EXITS (1021.1)	1	+1
EXIT ACCESS TRAVEL DIST. (1016.2)	400'	*213'-3"
MINIMUM EXIT DOORS DISTANCE (1015.2.1)		
1/3 DIAGONAL OF LEVEL 2 S-2 AREA (129'-4 1/2"/3)=	43'-1 1/2"	98'-0 1/2"

MEANS OF EGRESS R-2 OCCUPANCY (SPRINKLERED BUILDING) AREA = 6,643SF

	MIN. REQUIRED	PROVIDED
EXITS (1021.1)	2	2
EXIT ACCESS TRAVEL DISTANCE (1016.2)	250'	*167'-10"
MINIMUM EXIT DOORS DISTANCE (TABLE 1015.1)		
1/3 BLDG DIAGONAL OF LEVEL 2 R-2 AREA (168'-5"/3)=	56'-2"	81'-11"

* WORST CASE TRAVEL DISTANCE: FROM MECHANICAL ROOM TO EXTERIOR VIA STAIR 1 IN S-2 OCCUPANCY; FROM BARRACKS TO EXTERIOR VIA STAIR 1 IN R-2 OCCUPANCY.
 + 1 EXIT IS PROVIDED FOR THE S-2 OCCUPANCY, HOWEVER 2 EXITS ARE PROVIDED FROM THE SECOND STORY AS REQ. PER CBC 1021.1 (SECOND EXIT TRAVEL DISTANCE TO STAIR 2 IS 251'-0")

KEY NOTES

LEGEND

- PROPERTY LINE
- 1-HR FIRE BARRIER
- Room name
101 ROOM NAME & NUMBER
- Name
101 ROOM NAME
- 101 ROOM NUMBER
- Occupancy OCCUPANT LOAD
- S-2 OCCUPANCY TYPE
- 150sf/Load SFI OCCUPANT LOAD FACTOR
- 10 OCCUPANT LOAD
- PATH OF EGRESS
- ♿ ADA ACCESSIBLE ENTRY
- 5'-0" DIAMETER ADA CLEAR TURNING RADIUS & 4'-0" X 2'-6" ADA CLEAR FLOOR SPACE
- R-2 OCCUPANCY
RESIDENTIAL PORTION OF FIRE STATION
TOTAL GROSS AREA = 8,776 SF
8,776/200 SF/OCCUPANT = 44 OCCUPANTS*
* 154 TOTAL USING TABLE 1004.1.2 METHOD
- S-2 OCCUPANCY
APPARATUS BAY PORTION OF FIRE STATION
TOTAL GROSS AREA = 8,032 SF
8,032/200 SF/OCCUPANT = 41 OCCUPANTS*
* 41 TOTAL USING TABLE 1004.1.2 METHOD
- B OCCUPANCY
BUSINESS PORTION OF FIRE STATION
TOTAL GROSS AREA = 4,357 SF
4,357/100 SF/OCCUPANT = 44 OCCUPANTS*
* 55 TOTAL USING TABLE 1004.1.2 METHOD
- HORIZONTAL OCCUPANCY SEPARATION
1-HR RATED FLOOR: 3/25" CONCRETE OVER GSI DECK. ALL PENETRATIONS SHALL BE FIRESTOPPED (CBC 111.3, 714, & TABLE 508.4)

OCCUPANT LOAD - LEVEL 2 (PER CBC SECTION 1004, TABLE 1004.1.1)

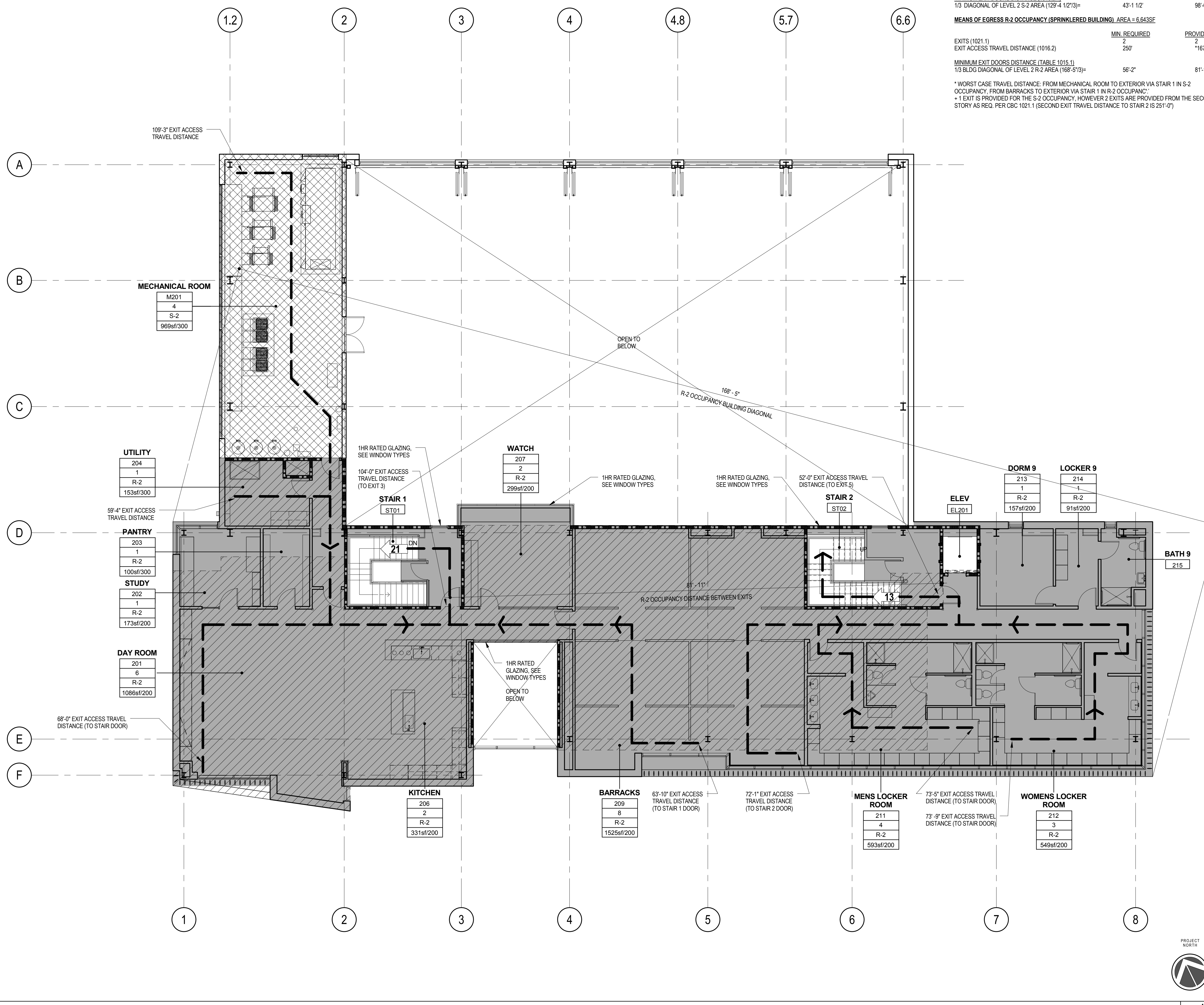
ROOM NO.	ROOM NAME	OCCUP. TYPE	Area (SF)	LOAD FACTOR	OCC. LOAD
201	DAY ROOM	R-2	1079 SF	200	6
202	STUDY	R-2	173 SF	200	1
203	PANTRY	R-2	100 SF	300	1
204	UTILITY	R-2	140 SF	300	1
205	HALL 5	R-2	109 SF	300	1
206	KITCHEN	R-2	312 SF	200	2
207	WATCH	R-2	299 SF	200	2
208	HALL 6	R-2	95 SF	300	1
209	BARRACKS	R-2	1457 SF	200	8
210	HALL 7	R-2	316 SF	200	2
211	MENS LOCKER ROOM	R-2	569 SF	200	4
212	WOMENS LOCKER ROOM	R-2	516 SF	200	3
213	DORM 9	R-2	157 SF	200	1
214	LOCKER 9	R-2	91 SF	200	1
215	BATH 9	R-2	81 SF	200	1
EL201	ELEV	R-2	42 SF	200	1
M201	MECHANICAL ROOM	S-2	968 SF	300	4
ST01	STAIR 1	R-2	241 SF		
ST02	STAIR 2	R-2	279 SF		

NOTE: OCC. LOADS ARE BASED UPON FLOOR AREA, NET (CBC, CHP. 2)

EXIT CAPACITY

NO.	EXIT TYPE	REQ'D. WIDTH	ACTUAL WIDTH	EXIT CAPACITY	EXIT USE
LEVEL 1 EXITS					
EXIT 1	DOOR	32"	34"	170	54
EXIT 2	DOOR	32"	68"	340	61
EXIT 3	DOOR	32"	34"	170	22
EXIT 4	DOOR	32"	34"	170	1
EXIT 5	DOOR	32"	34"	170	13
EXIT 6	DOOR	32"	34"	170	22
EXIT 7	DOOR	32"	34"	170	15
LEVEL 2 EXITS					
ST01	STAIR	44"	48"	160	21
ST02	STAIR	44"	48"	160	13

CODE REF: CBC 1005.3.2 (DOORS) 0.15 LOAD FACTOR
 CBC 1005.3.1 (STAIRS) 0.20 LOAD FACTOR



REVISIONS

NO.	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
A	12/15/15	ISSUED FOR PERMIT	
B	01/18/16	ISSUED FOR PERMIT	

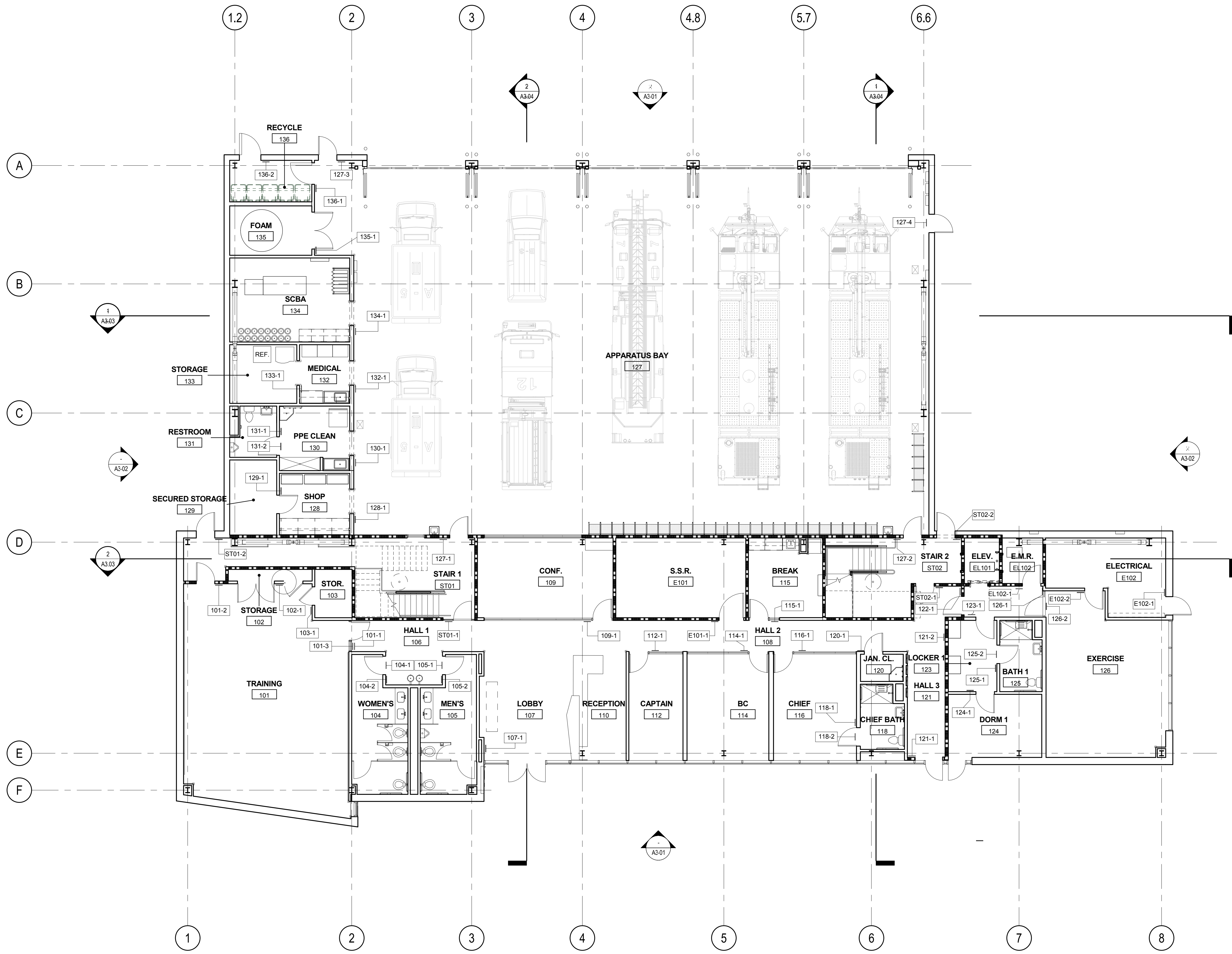
10050.71
SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4
CODE DIAGRAM LEVEL 2



APPROVED: DEPUTY AIRPORT DIRECTOR
 APPROVED: PRINCIPAL ARCHITECT
 DESIGNED BY: Designer
 DRAWN BY: Author
 SCALE: AS SHOWN
 SHEET NUMBER

REVISION **B** SEQUENCE NUMBER

LEVEL 2 CODE DIAGRAM
 1
 RE: 1/ A3.01 1/8" = 1'-0"

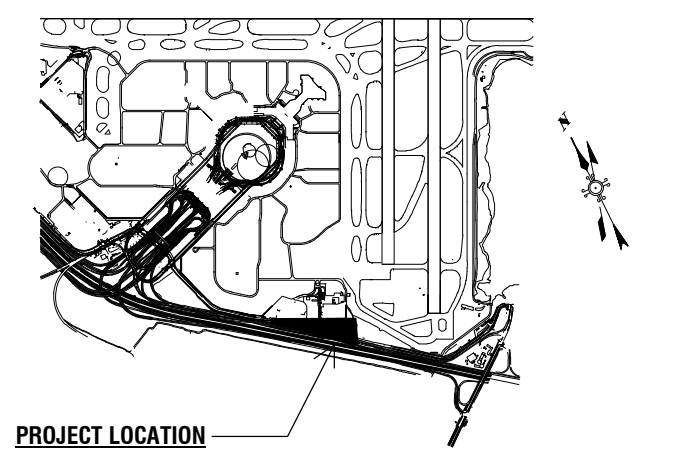


SIGNAGE SCHEDULE - LEVEL 1

SIGN NO.	SIGNAGE INFO	DETAIL REFERENCE	COMMENTS
101-1	TRAINING 101	2/A0.07	
101-2	EXIT ROUTE	6/A0.07	
101-3	EXIT ROUTE	6/A0.07	
102-1	STORAGE 102	2/A0.07	
103-1	STORAGE 103	2/A0.07	
104-1	WOMEN'S ADA PLAQUE	13/A0.07	MOUNT ON DOOR
104-2	WOMEN'S RESTROOM 104	2/A0.07	
105-1	MEN'S ADA PLAQUE	14/A0.07	MOUNT ON DOOR
105-2	MEN'S RESTROOM 105	2/A0.07	
107-1	EXIT	6/A0.07	
109-1	CONFERENCE 109	2/A0.07	
112-1	OFFICE 112	2/A0.07	
114-1	OFFICE 114	2/A0.07	
115-1	BREAK ROOM 115	2/A0.07	
116-1	OFFICE 116	2/A0.07	
118-1	RESTROOM 118	2/A0.07	
118-2	UNISEX ADA PLAQUE	10/A0.07	MOUNT ON DOOR
120-1	JANITOR CLOSET 120	2/A0.07	
121-1	EXIT	6/A0.07	
121-2	EXIT	6/A0.07	
122-1	HALL 122	2/A0.07	
123-1	LOCKER 1 123	2/A0.07	
124-1	DORM 1 124	2/A0.07	
125-1	BATH 1 125	2/A0.07	
125-2	UNISEX ADA PLAQUE	10/A0.07	MOUNT ON DOOR
126-1	EXERCISE 126	2/A0.07	
126-2	EXIT	6/A0.07	
127-1	APPARATUS BAY 127	2/A0.07	
127-2	APPARATUS BAY 127	2/A0.07	
127-3	EXIT	6/A0.07	
127-4	EXIT	6/A0.07	
128-1	SHOP 128	2/A0.07	
129-1	STORAGE 129	2/A0.07	
130-1	PPE CLEAN 130	2/A0.07	
131-1	RESTROOM	2/A0.07	
131-2	UNISEX ADA PLAQUE	10/A0.07	MOUNT ON DOOR
132-1	MEDICAL 132	2/A0.07	
132-2	EXIT	6/A0.07	
133-1	STORAGE 133	2/A0.07	
134-1	SCBA 134	2/A0.07	
135-1	FOAM 135	2/A0.07	
136-1	RECYCLE 136	2/A0.07	
136-2	EXIT	6/A0.07	
E101-1	S.S.R. E101	2/A0.07	
E102-1	ELECTRICAL ROOM E102	2/A0.07	
E102-2	EXIT	6/A0.07	
EL102-1	ELEVATOR MACHINE ROOM EL102	2/A0.07	
ST01-1	STAIR 01	2/A0.07	
ST01-2	EXIT	6/A0.07	
ST02-1	STAIR 02	2/A0.07	
ST02-2	EXIT	6/A0.07	



San Francisco International Airport



PROJECT LOCATION

Key Map

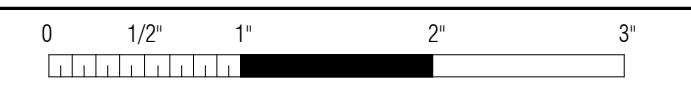
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B	01/18/16	ISSUED FOR PERMIT	

CONTRACT NO. 10050.71

SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

SIGNAGE PLAN LEVEL 1



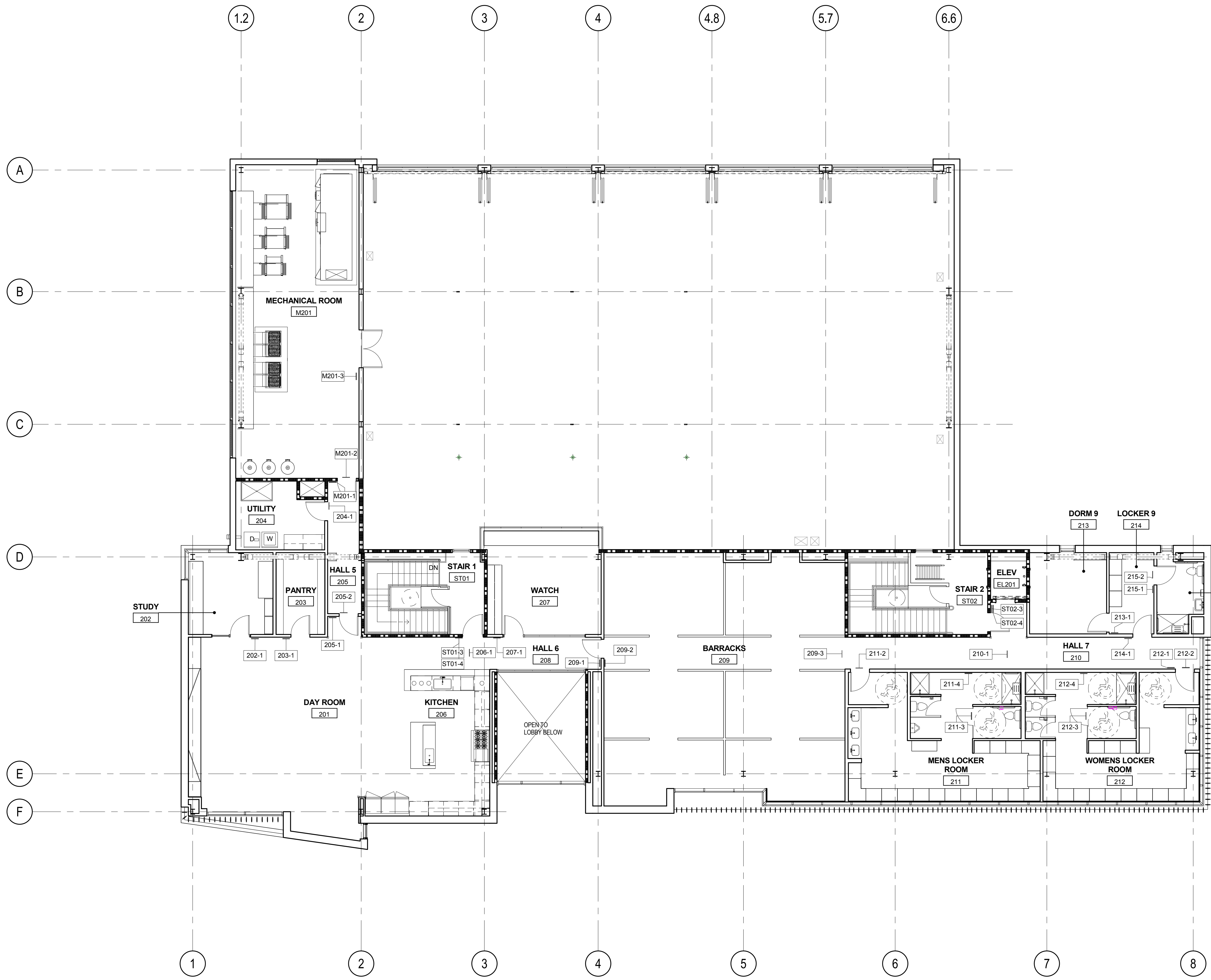
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 APPROVED: PRINCIPAL ARCHITECT
 DESIGNED BY: Designer
 DRAWN BY: Author
 SCALE: AS SHOWN
 SHEET NUMBER

CHECKED BY: CHECKED BY
 DATE: 01/18/16
 SIZE: ARCH-D

A0.08

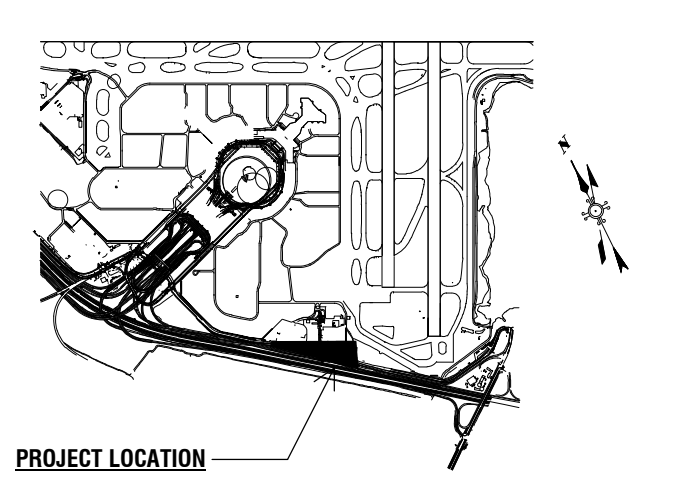
REVISION **B** SEQUENCE NUMBER OF

LEVEL 1 SIGNAGE PLAN 1
 RE: 1/ A3.01 1/8" = 1'-0"



SIGNAGE SCHEDULE - LEVEL 2

SIGN #	SIGNAGE INFO	DETAIL REFERENCE	COMMENTS
202-1	STUDY 202	2/A0.07	
203-1	PANTRY 203	2/A0.07	
204-1	UTILITY 204	2/A0.07	
205-1	HALL 205	2/A0.07	
205-2	EXIT	6/A0.07	
206-1	EXIT	6/A0.07	
207-1	WATCH ROOM 207	2/A0.07	
209-1	BARRACKS 209	2/A0.07	
209-2	EXIT ROUTE W/ ARROW	6/A0.07	
209-3	EXIT ROUTE W/ ARROW	6/A0.07	
210-1	EXIT ROUTE W/ ARROW	6/A0.07	
211-2	MENS ADA PLAQUE	14/A0.07	MOUNT ON DOOR
211-3	ADA PLAQUE	5/A0.07	MOUNT ON DOOR
211-4	ADA PLAQUE	5/A0.07	MOUNT ON DOOR
212-1	WOMENS LOCKER 212	2/A0.07	WALL MOUNTED
212-2	WOMENS ADA PLAQUE	13/A0.07	MOUNT ON DOOR
212-3	ADA PLAQUE	5/A0.07	MOUNT ON DOOR
212-4	ADA PLAQUE	5/A0.07	WALL MOUNTED
213-1	DORM 9 213	2/A0.07	
214-1	LOCKER 9 214	2/A0.07	
215-1	BATH 9 215	2/A0.07	
215-2	UNISEX ADA PLAQUE	10/A0.07	MOUNT ON DOOR
M201-1	MECHANICAL ROOM M201	2/A0.07	
M201-2	EXIT	6/A0.07	
M201-3	EXIT	6/A0.07	
ST01-3	STAIR 01	2/A0.07	
ST01-4	FIRE POLE ACCESS	2/A0.07	
ST02-3	STAIR 02	2/A0.07	
ST02-4	EXIT STAIR DOWN	6/A0.07	



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SFO FH3 & SOUTH FIELD
CHECKPOINT RELOCATION
 PHASE 4
SIGNAGE PLAN LEVEL 2



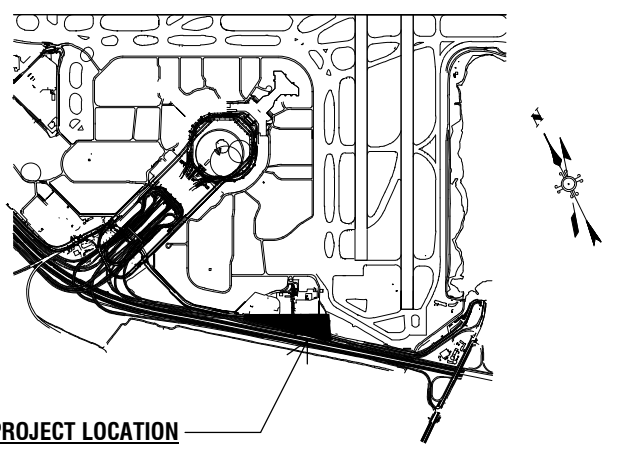
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 DATE: 01/18/16
 SIZE: ARCH-D
 SHEET NUMBER: _____

A0.09

REVISION **B** SEQUENCE NUMBER _____ OF _____

LEVEL 2 SIGNAGE PLAN 1
 RE: 1/ A3.01 1/8" = 1'-0"



PROJECT LOCATION

Key Map

SHEET NOTES

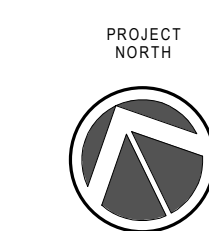
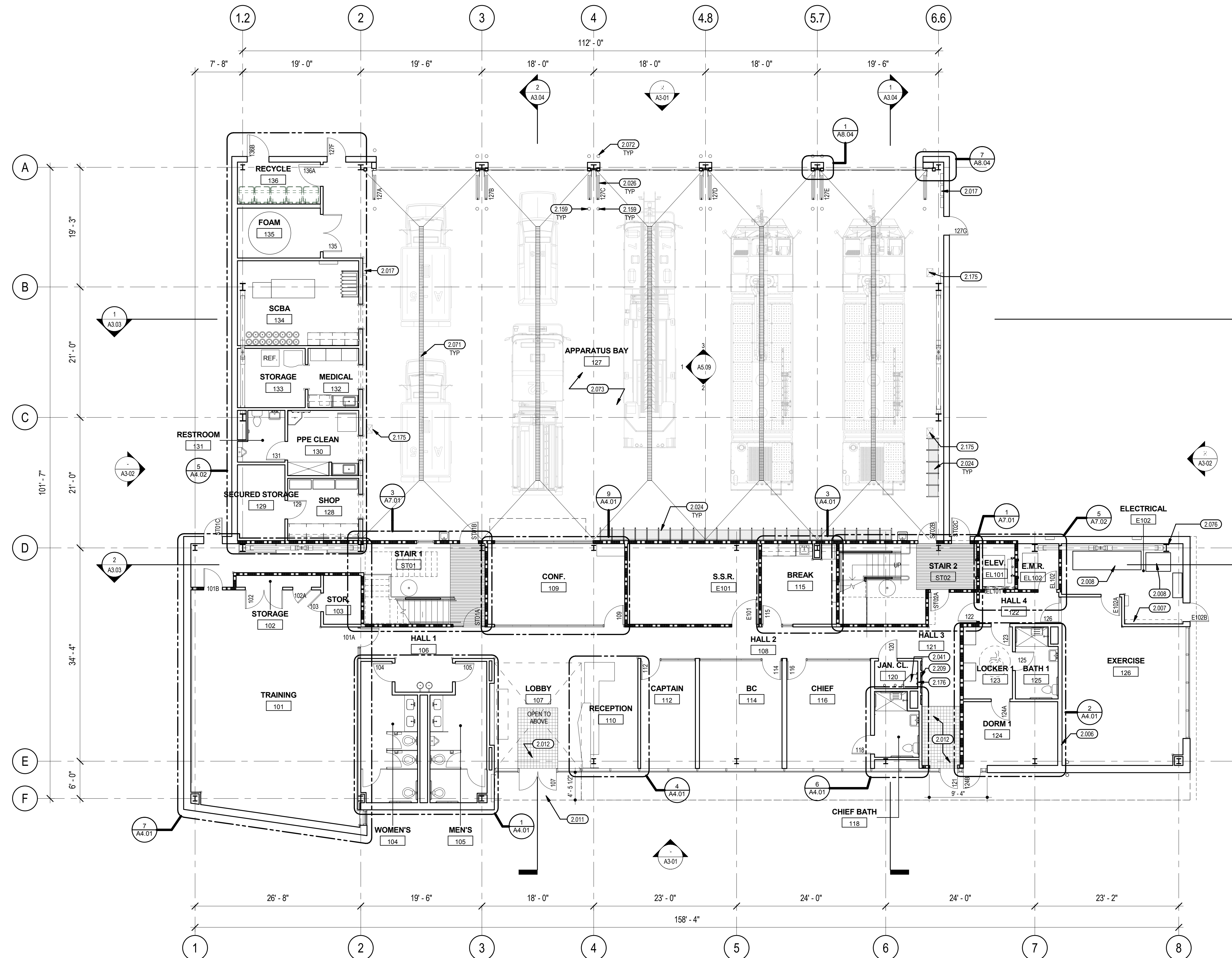
1. FURNITURE, FIXTURES, & EQUIPMENT SHOWN FOR REFERENCE, SEE FF&E PLAN AND SPECIFICATIONS
2. SEE WALL TYPES, SHEET A9.1/A9.2
3. SEE RCP ON SHEET A6.2
4. SEE ROOF PLAN ON SHEET A2.3

KEY NOTES

- 2.006 ACOUSTICAL WALL AT ACCESSIBLE DORM SUITE
- 2.007 LOCATION FOR FUTURE PHOTOVOLTAIC PANEL EQUIPMENT
- 2.008 ELECTRICAL SWITCHBOARD, SED
- 2.010 2ND FLOOR CANTILEVER ABOVE
- 2.011 AWNING ABOVE
- 2.012 RECESSED FLOOR MAT SET FLUSH WITH FLOOR FINISH
- 2.017 4-FOLD DOOR CONTROL PANELS, SED, CONCEAL ALL CONDUIT FEEDS IN WALL, CEILING ASSEMBLIES WHERE POSSIBLE
- 2.024 PERSONAL PROTECTIVE EQUIPMENT (PPE) LOCKERS
- 2.026 ELECTRIC FOUR-FOLD DOORS, 16'-0"W X 14'-0"H
- 2.028 PAD MOUNTED ELECTRICAL TRANSFORMER
- 2.041 BRASS FIRE POLE WITH 2" THK. RUBBER LANDING MAT RECESSED FLUSH WITH FLOOR FINISH
- 2.071 TRENCH DRAIN, SLOPE CONCRETE SLAB 1/4" PER FOOT TO DRAIN, SPD
- 2.072 FIXED STEEL BOLLARD
- 2.073 DENSIFIED CONCRETE APP. BAY SLAB
- 2.076 COLUMN OFFSET 2'-0" TO MATCH PILE CAP, SSD
- 2.159 BOLLARD WITH PHOTO EYE SENSOR, TYP.
- 2.175 EXPOSED MECHANICAL DUCTS, PAINT TO MATCH WALL
- 2.176 MOP HANGER, SHELF
- 2.194 SPRINKLER CONTROL VALVE ASSEMBLY, SFPD
- 2.209 RECESSED ELECTRICAL PANEL, SED

LEGEND

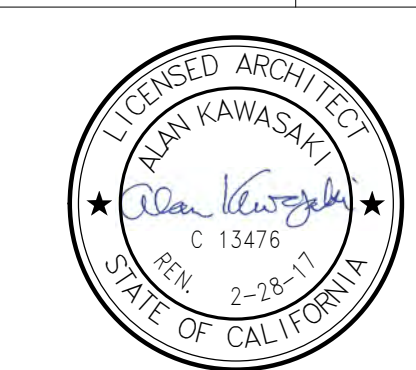
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- 1-HR. RATED GYP. BD. WALL



LEVEL 1
RE: 1/ A3.01 1/8" = 1'-0"

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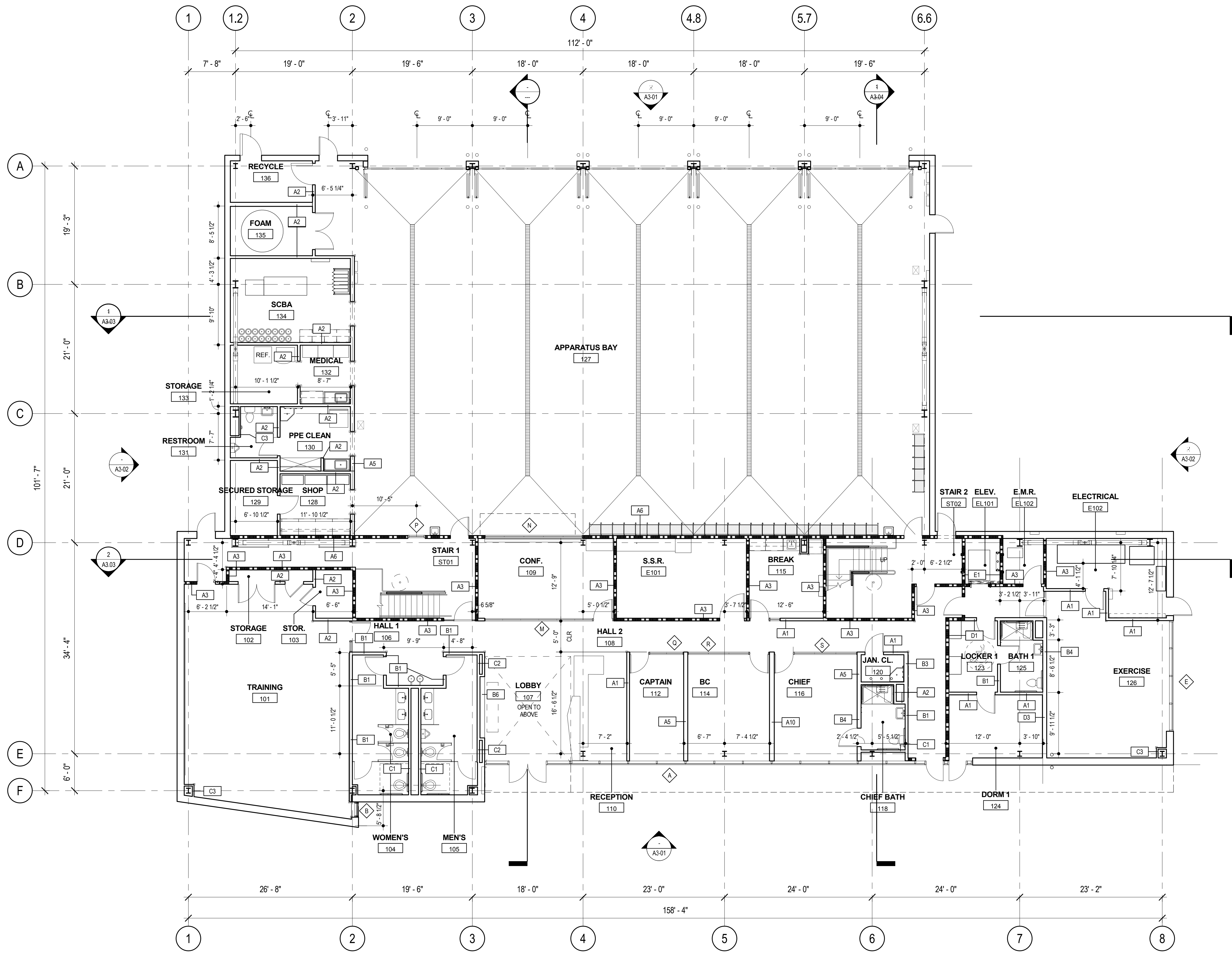
CONTRACT NO. **10050.71**
PROJECT TITLE **SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4**
SHEET TITLE **FLOOR PLAN LEVEL 1**



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DRAWN BY:	DATE:
SCALE:	SIZE:
AS SHOWN	ARCH-D
SHEET NUMBER	

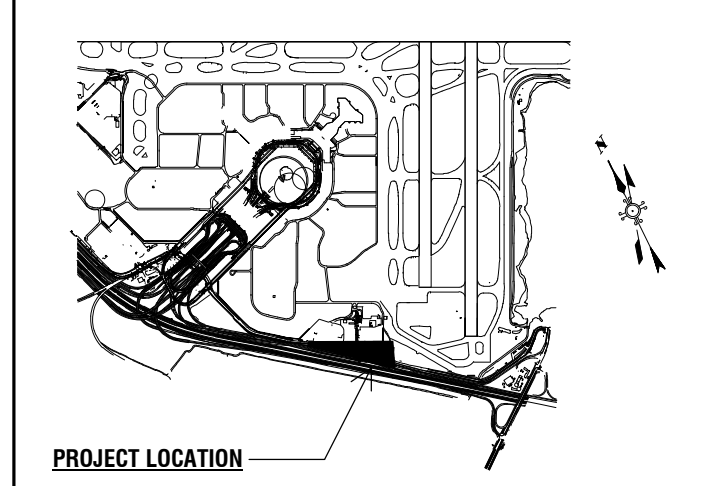
A2.01

REVISION	SEQUENCE NUMBER
B	OF



SHEET NOTES

- DIMENSIONS ARE TAKE FROM GRIDLINE TO FACE OF STUD
- SEE WALL TYPES ON SHEET (A2.02 & A2.04). FOR WALL TYPES NOT SHOWN ON THIS PLAN, SEE ENLARGED PLANS (A4.01, A4.02).
- FOR EXTERIOR WALL ASSEMBLIES/ TYPES SEE DETAIL CALL OUTS ON ELEVATIONS (A3.01 & A3.02).



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LEGEND

- NON-RATED PARTITION OR FURRING
- 1-HR. RATED PARTITION
- WINDOW LOUVER TYPE TAG
- WALL TYPE TAG
- STAINLESS STEEL CORNER GUARDS

10050.71
SFO FH3 & SOUTH FIELD
CHECKPOINT RELOCATION
 PHASE 4
FLOOR PLAN LEVEL 1 DIMENSION PLAN

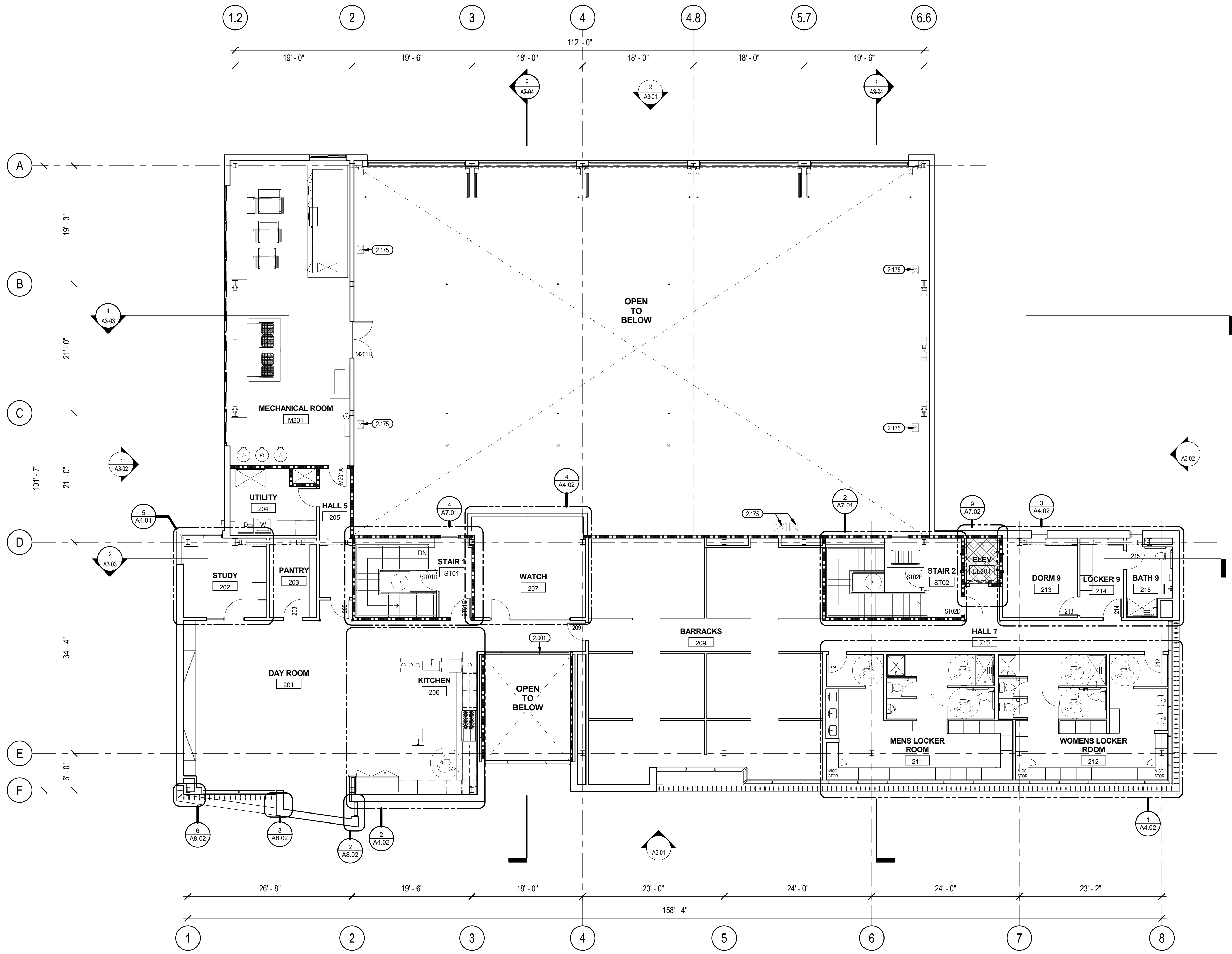


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SCALE:	SIZE:
AS SHOWN	ARCH-D

A2.02

REVISION **B** SEQUENCE NUMBER _____ OF _____

LEVEL 1 DIMENSION PLAN **1**
 RE: 1/ A3.01 1/8" = 1'-0"

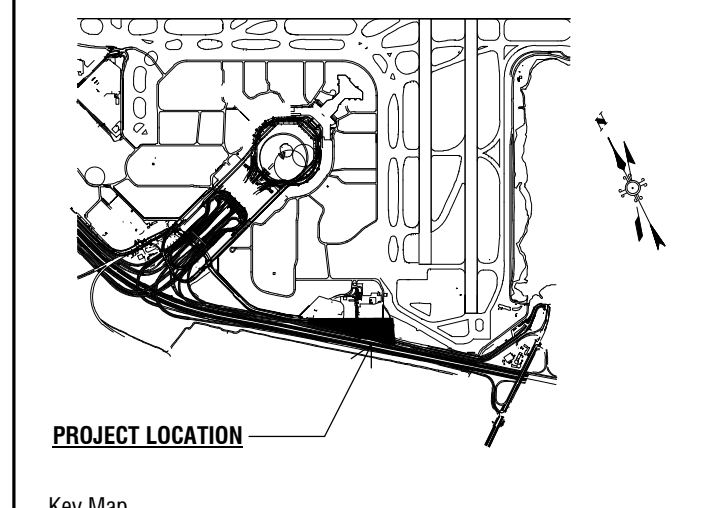


SHEET NOTES

1. FURNITURE, FIXTURES, & EQUIPMENT SHOWN FOR REFERENCE. SEE FF&E PLAN AND SPECIFICATIONS
2. SEE WALL TYPES, SHEET A3.1 & A3.2
3. SEE RCP ON SHEET A6.2
4. SEE ROOF PLAN ON SHEET A2.3

SFO

San Francisco International Airport



KEY NOTES

- 2.001 1-HR FIRE RATED INTERIOR GLAZING ASSEMBLY, SFW-2
- 2.175 EXPOSED MECHANICAL DUCTS, PAINT TO MATCH WALL

LEGEND

- NON-RATED PARTITION OR FURRING
- 1-HR. RATED GYP. BD. WALL

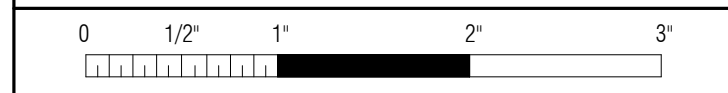
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NO.	DATE
A	12/15/15
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SFO FH3 & SOUTH FIELD
CHECKPOINT RELOCATION
PHASE 4

FLOOR PLAN LEVEL 2

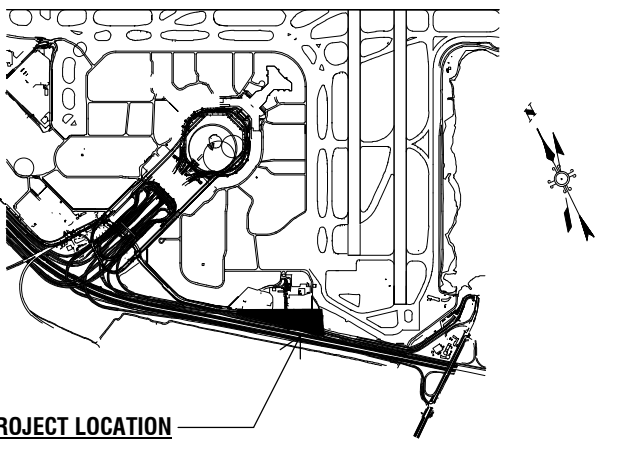
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PROJECT TITLE
SHEET TITLE



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DRAWN BY:	DATE:
AS SHOWN	SIZE
SHEET NUMBER	ARCH-D

A2.03

LEVEL 2 1
RE: 1/ A3.01 1/8" = 1'-0"



PROJECT LOCATION

Key Map

REVISIONS	
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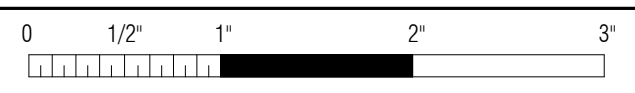
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CONTRACT NO. 10050.71

PROJECT TITLE SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

SHEET TITLE FLOOR PLAN LEVEL 2 DIMENSION PLAN

SEAL



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SHEET NUMBER	

A2.04

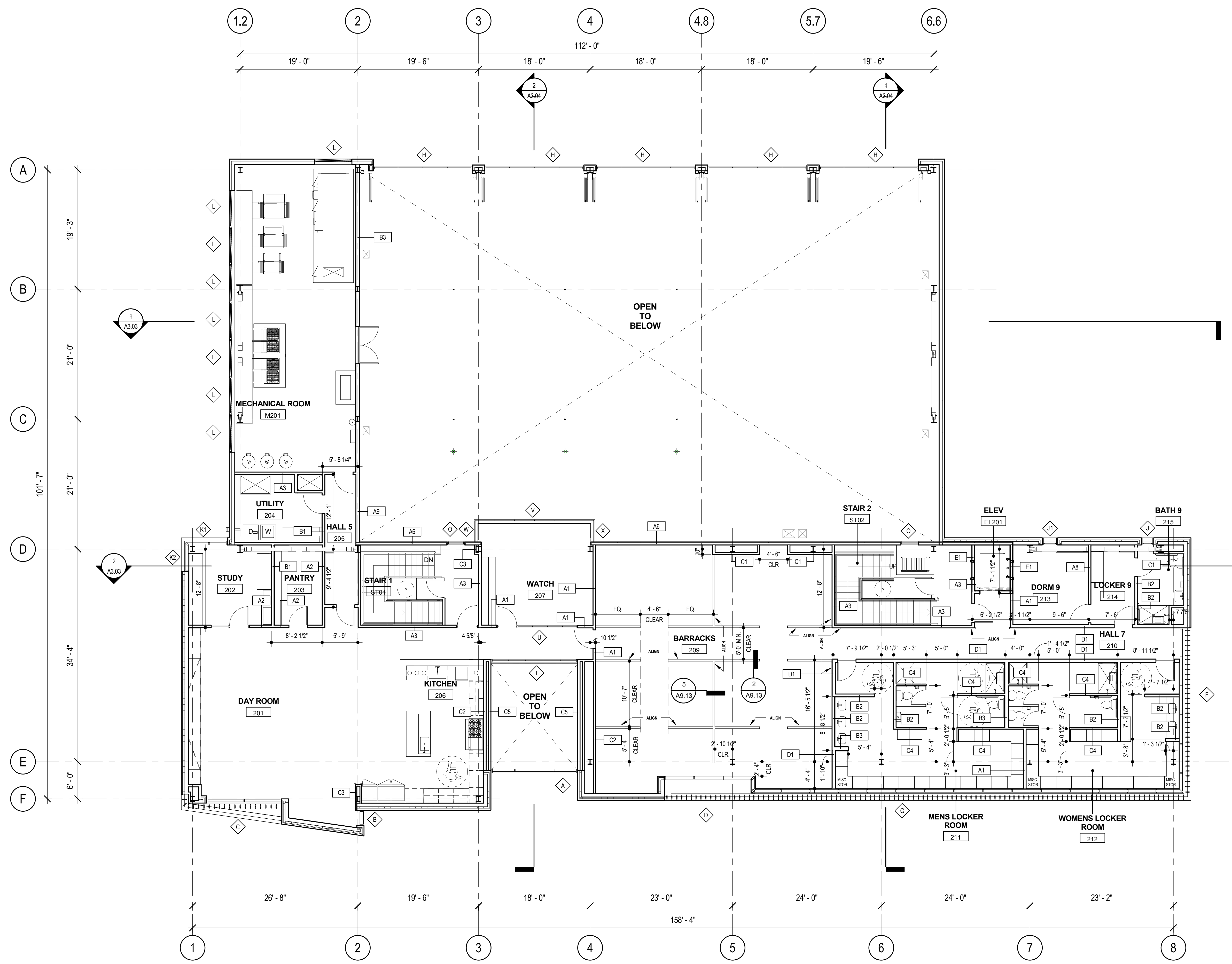
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SHEET NOTES

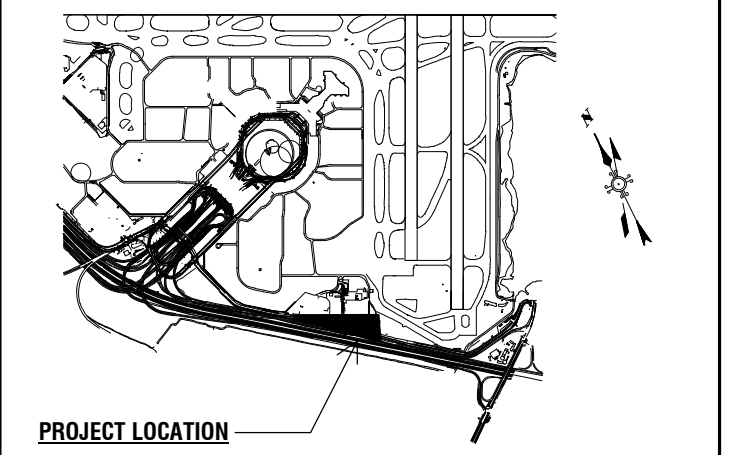
- DIMENSIONS ARE TAKE FROM GRIDLINE TO FACE OF STUD
- SEE WALL TYPES ON SHEET (A9.1 & A9.2), FOR WALL TYPES NOT SHOWN ON THIS PLAN, SEE ENLARGED PLANS (A4.1, A4.2)
- FOR EXTERIOR WALL ASSEMBLIES/ TYPES SEE DETAIL CALL OUTS ON ELEVATIONS (A3.1 & A3.2)
- BARRACKS ROOM 209 DIMENSIONS ARE SHOWN AS CLEAR, FROM GRIDLINE TO FINISH FACE OF WALL.

LEGEND

- NON-RATED PARTITION OR FURRING
- 1-HR. RATED PARTITION
- WINDOW/ LOUVER TYPE TAG
- WALL TYPE TAG
- STAINLESS STEEL CORNER GUARDS



LEVEL 2 DIMENSION PLAN 1
RE: 1/A3.01 1/8" = 1'-0"



PROJECT LOCATION Key Map

SHEET NOTES

- A. SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A0.03
- B. SEE STRUCTURAL DRAWINGS TOP OF STEEL (T.O.S.) TOP OF SLAB AND TOP OF DECK VARIES.
- C. ALL PENETRATIONS THROUGH ROOF SHALL BE FLASHED AND SEALED WATERTIGHT. SEE MEP DRAWINGS FOR ADDITIONAL PENETRATIONS.
- D. ANTENNA TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR (FOIC), SED.

KEY NOTES

- 2.029 42" PARAPET
- 2.030 ROOF ACCESS HATCH
- 2.062 CURB MOUNTED SKYLIGHT
- 2.063 TUBE SKYLIGHT
- 2.066 ROOF DRAIN WITH ADJACENT OVERFLOW DRAIN, SPD
- 2.104 EXHAUST FAN, SMD
- 2.128 FALL PROTECTION GUARDRAIL 42"

LEGEND

- SKYLIGHT
- SKYLIGHT - TUBE
- PHOTOVOLTAIC PANEL LOCATIONS
- SOLAR THERMAL PANEL LOCATIONS

CALIFORNIA ENERGY COMMISSION SOLAR READY CALCULATION

TOTAL ROOF AREA (A): 13,375 SF
 AREA OF ROOF COVERED WITH SKYLIGHT (B): 259 SF
 MINIMUM SOLAR AREA [C = 0.15 x (A-B)]: 1,968 SF

ACTUAL SPACE ALLOTTED FOR PHOTOVOLTAIC AND SOLAR THERMAL PANELS:

AREA "A": 4800 SF
 AREA "B": 360 SF
 AREA "C": 600 SF
 AREA "D": 1080 SF
 AREA "E": 240 SF
 TOTAL AREA: 7080 SF

MINIMUM DC POWER RATING (WATTS): [B] = A x 1Watt/ft²

PHOTOVOLTAIC SUPPORTS (DELEGATED DESIGN):
 5" DIA. X 2'-0" TALL PIPE SUPPORTS FOR SOLAR PANELS.
 TYP OF 101 FOR ALLOTTED AREAS. VERIFY SIZE AND SPACING WITH PANEL MANUFACTURER. SEE DETAIL 10/A8.07

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CONTRACT NO:
10050.71

PROJECT TITLE:
SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

SHEET TITLE:
ROOF PLAN



APPROVED:
DEPUTY AIRPORT DIRECTOR

APPROVED:
PRINCIPAL ARCHITECT

DESIGNED BY:
Designer

CHECKED BY:
CHECKED BY

DRAWN BY:
Author

DATE:
01/18/16

SCALE:
AS SHOWN

SIZE:
ARCH-D

SHEET NUMBER

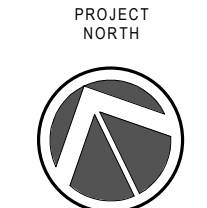
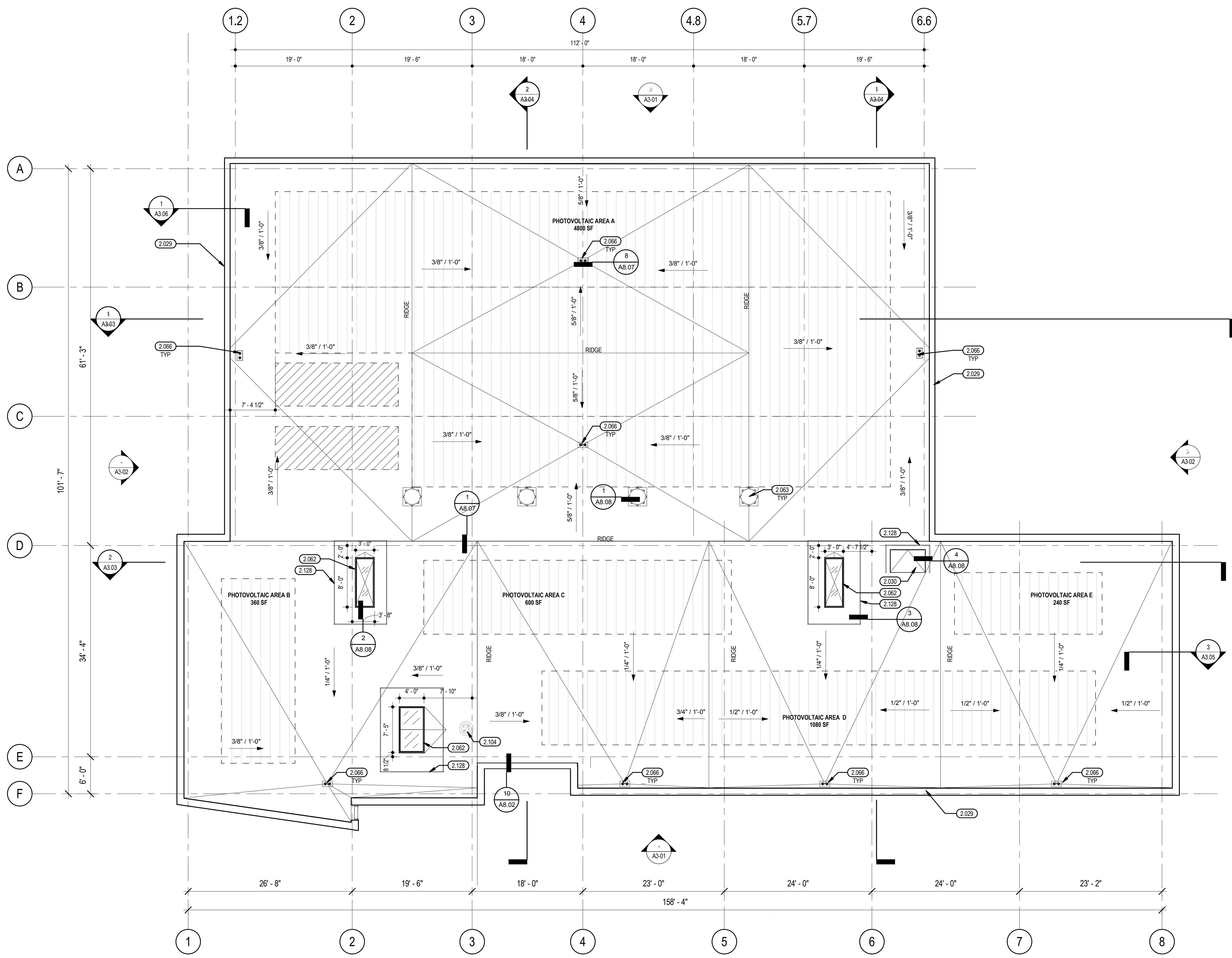
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REVISION

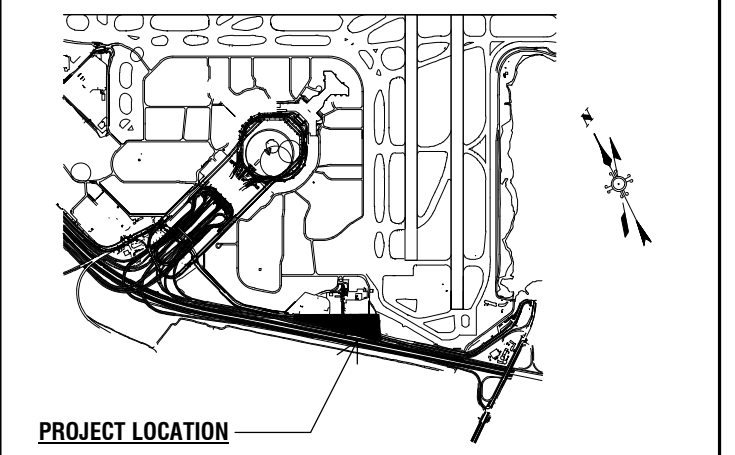
SEQUENCE NUMBER

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OF



ROOF PLAN 1
 RE: 1/ A3.01 1/8" = 1'-0"



PROJECT LOCATION

Key Map

SHEET NOTES

- A. SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A0.03
- B. DOOR SCHEDULE SEE SHEET - A2.08
- C. WINDOW SCHEDULE SEE SHEET - A4.03, A4.04

KEY NOTES

- 2.028 PAD MOUNTED ELECTRICAL TRANSFORMER
- 2.072 FIXED STEEL BOLLARD
- 3.001 COMPOSITE METAL BUILDING PANELS
- 3.003 EXTERIOR METAL PANEL SIDING
- 3.004 4-SIDED STRUCTURALLY GLAZED ALUM. CURTAIN WALL
- 3.007 ELECTRIC FOUR-FOLD DOORS, 16'-0"W X 14'-0"H
- 3.009 ALUM. STOREFRONT
- 3.049 SURFACE MOUNTED WALL PACK, SED
- 3.054 EXHAUST FAN, SMD
- 3.055 PRECAST CONC RAINSCREEN PANELS, TYP
- 3.056 VERTICAL ALUM. SUNSHADES @ 10' O.C.

REVISIONS

NO.	DATE	ISSUE DESCRIPTION
A	12/15/15	ISSUED FOR PERMIT
B	01/18/16	ISSUED FOR PERMIT

NORTH ELEVATION 2
RE: 1/ A0.08 1/8" = 1'-0"

LEGEND

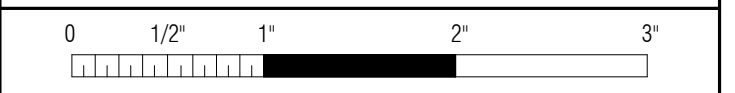
- GLAZING 1: INSULATED LOW-E CLEAR GLASS
- GLAZING 3: INSULATED OPAQUE SPANDREL GLASS
- 1. SEE WINDOW TYPES ON A4.03
- METAL WALL PANELS
- TBD
- RAINSCREEN: COMPOSITE METAL BUILDING PANELS

CONTRACT NO. 10050.71

PROJECT TITLE SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

SHEET TITLE EXTERIOR ELEVATIONS

SEAL

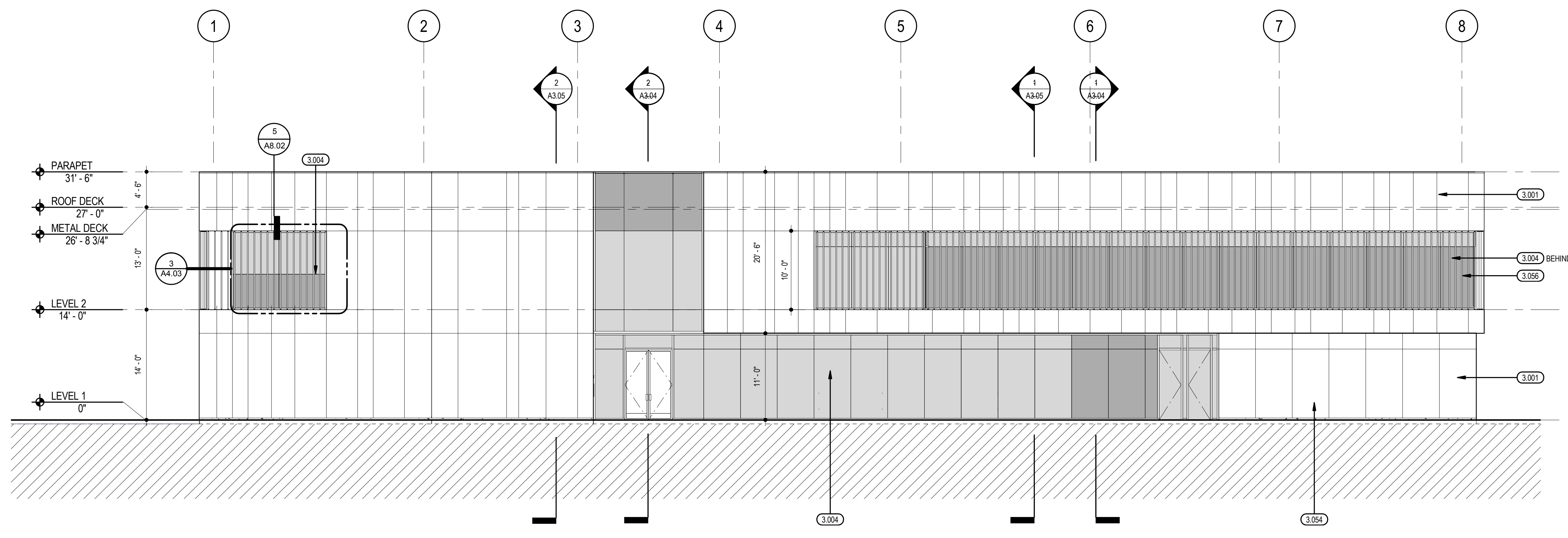
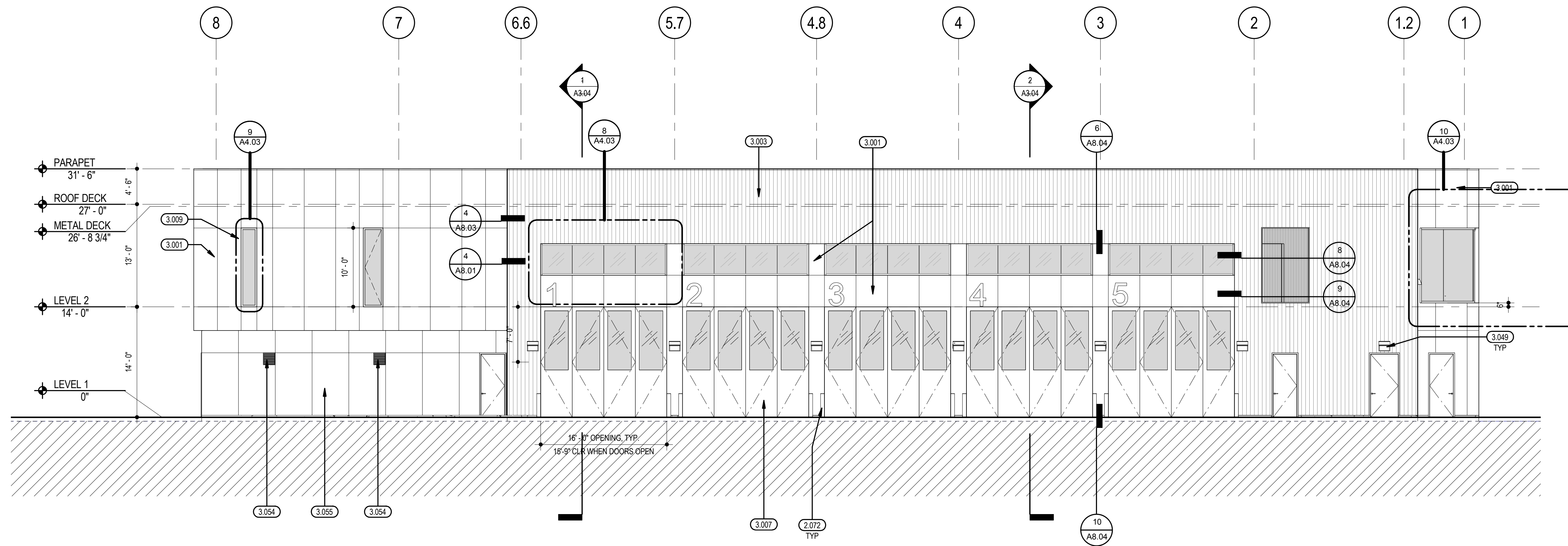


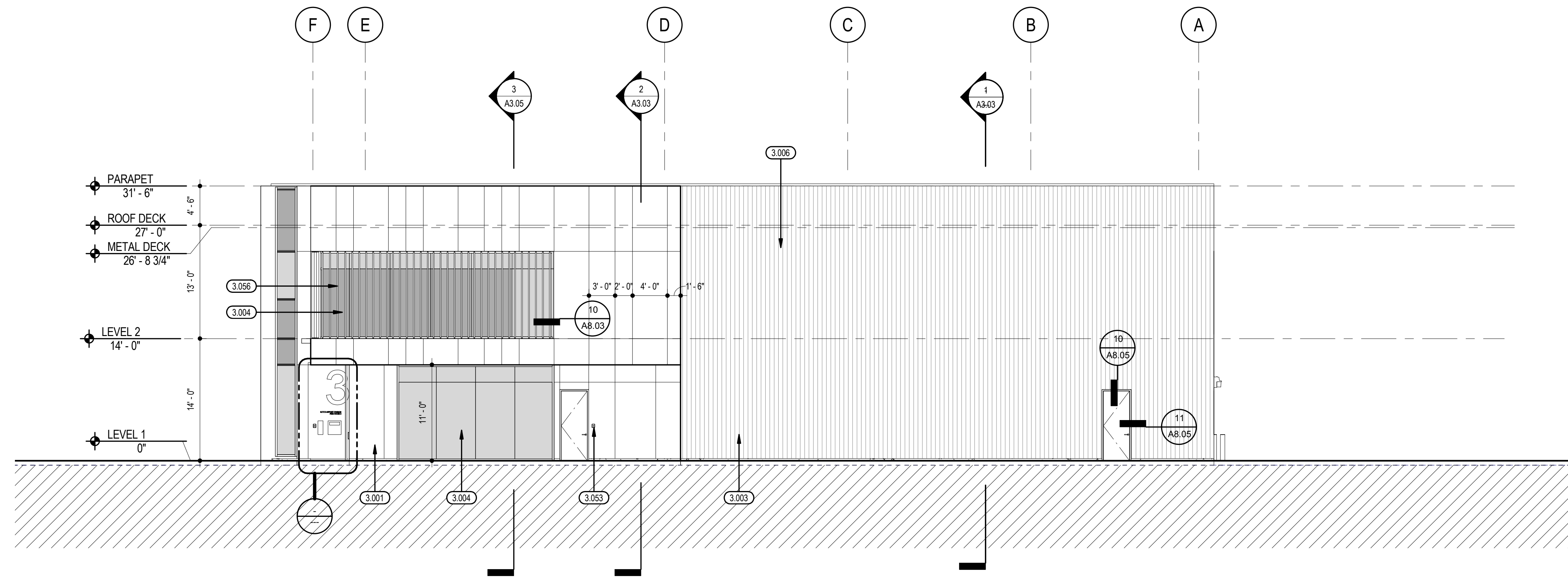
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APPROVED:	PRINCIPAL ARCHITECT
DESIGNED BY:	CHECKED BY:
DRAWN BY:	DATE:
SCALE:	SIZE:
AS SHOWN	ARCH-D
SHEET NUMBER	

A3.01

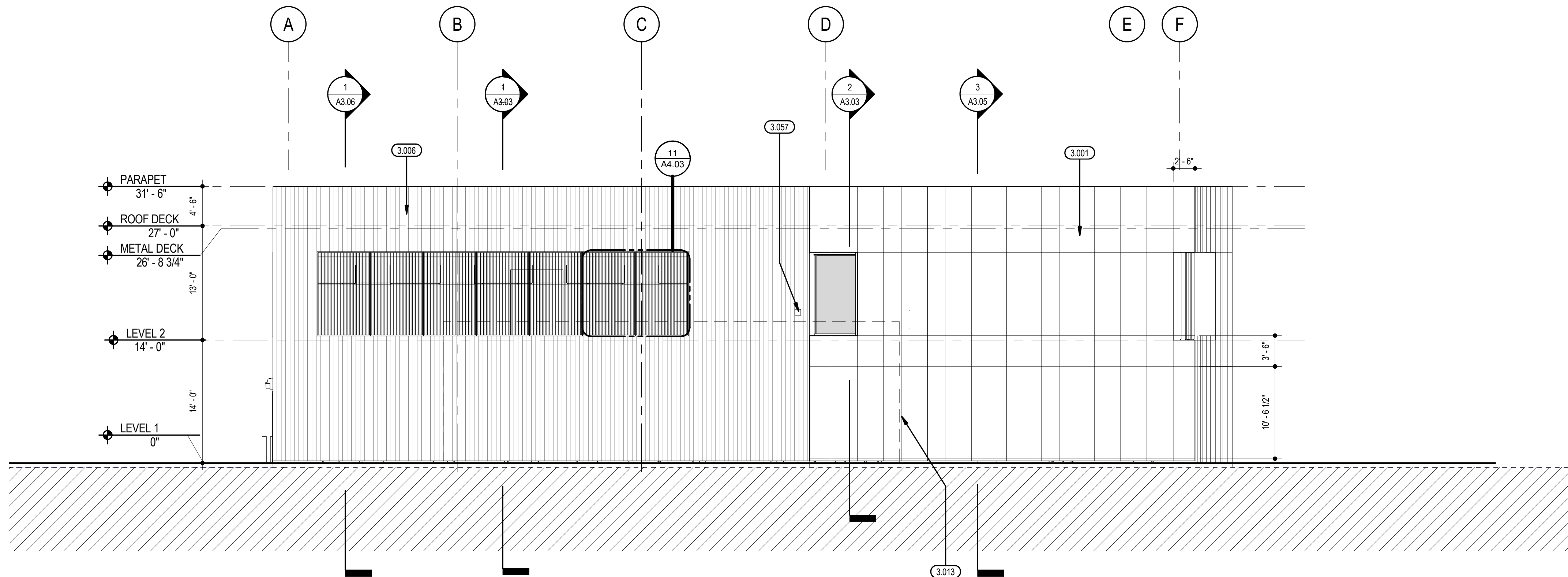
REVISION	SEQUENCE NUMBER
B	OF

SOUTH ELEVATION 1
RE: 1/ A0.08 1/8" = 1'-0"





EAST ELEVATION 2
 RE: 1/ A0.08 1/8" = 1'-0"



WEST ELEVATION 1
 RE: 1/ A0.08 1/8" = 1'-0"

SHEET NOTES

- A. SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A3.01
- B. DOOR SCHEDULE SEE SHEET - A3.08
- C. WINDOW SCHEDULE SEE SHEET - A4.01, A4.04

KEY NOTES

- 3.001 COMPOSITE METAL BUILDING PANELS
- 3.003 EXTERIOR METAL PANEL SIDING
- 3.004 4-SIDED STRUCTURALLY GLAZED ALUM. CURTAINWALL
- 3.006 FORMED METAL WALL PANELS
- 3.013 (E) 11BR BUILDING OUTLINE, INDICATED BY DASHED LINE, NIC
- 3.029 ELECTRICAL EQUIPMENT: EMERGENCY GENERATOR UNIT, SED
- 3.031 ELECTRICAL EQUIPMENT: PAD MOUNTED TRANSFORMER, SED
- 3.053 RECESSED KNOX-BOX, SEE SPECS
- 3.056 VERTICAL ALUM. SUNSHADES @ 10' O.C.
- 3.057 DRYER EXHAUST DUCT THROUGH WALL, SMD

LEGEND

- GLAZING 1: INSULATED LOW-E CLEAR GLASS
- GLAZING 3: INSULATED OPAQUE SPANDREL GLASS
- 1. SEE WINDOW TYPES ON A4.03
- METAL WALL PANELS
- TBD
- RAINSCREEN - COMPOSITE METAL BUILDING PANELS

SFO

San Francisco International Airport

PROJECT LOCATION

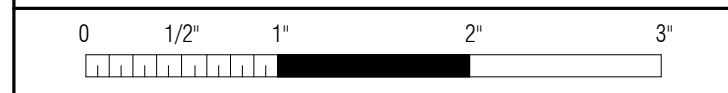
Key Map

NO.	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
A	12/15/15	ISSUED FOR PERMIT	
B	01/18/16	ISSUED FOR PERMIT	

CONTRACT NO. **10050.71**

PROJECT TITLE **SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4**

SHEET TITLE **EXTERIOR ELEVATIONS**



APPROVED: **DEPUTY AIRPORT DIRECTOR**

APPROVED: **PRINCIPAL ARCHITECT**

DESIGNED BY: **Designer** CHECKED BY: **CHECKED BY**

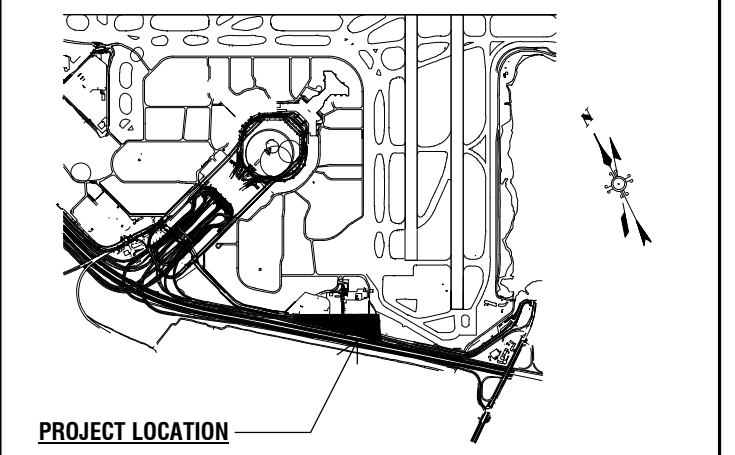
DRAWN BY: **Author** DATE: **01/18/16**

SCALE: **AS SHOWN** SIZE: **ARCH-D**

SHEET NUMBER

A3.02

REVISION **B** SEQUENCE NUMBER _____ OF _____



PROJECT LOCATION

Key Map

LEGEND

- A. SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A0.03
- B. DOOR SCHEDULE SEE SHEET - A2.08
- C. WINDOW SCHEDULE SEE SHEET - A4.03, A4.04

KEY NOTES

LEGEND

- 1. SEE SPECIFICATION FOR GLASS TYPES, SEE A3.1
- 1-HR GLAZING
- FRP

REVISIONS	
NO.	DATE
A	12/15/15
B	01/18/16

CONTRACT NO. 10050.71

PROJECT TITLE SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

SHEET TITLE BUILDING SECTIONS

SEAL



APPROVED: DEPUTY AIRPORT DIRECTOR

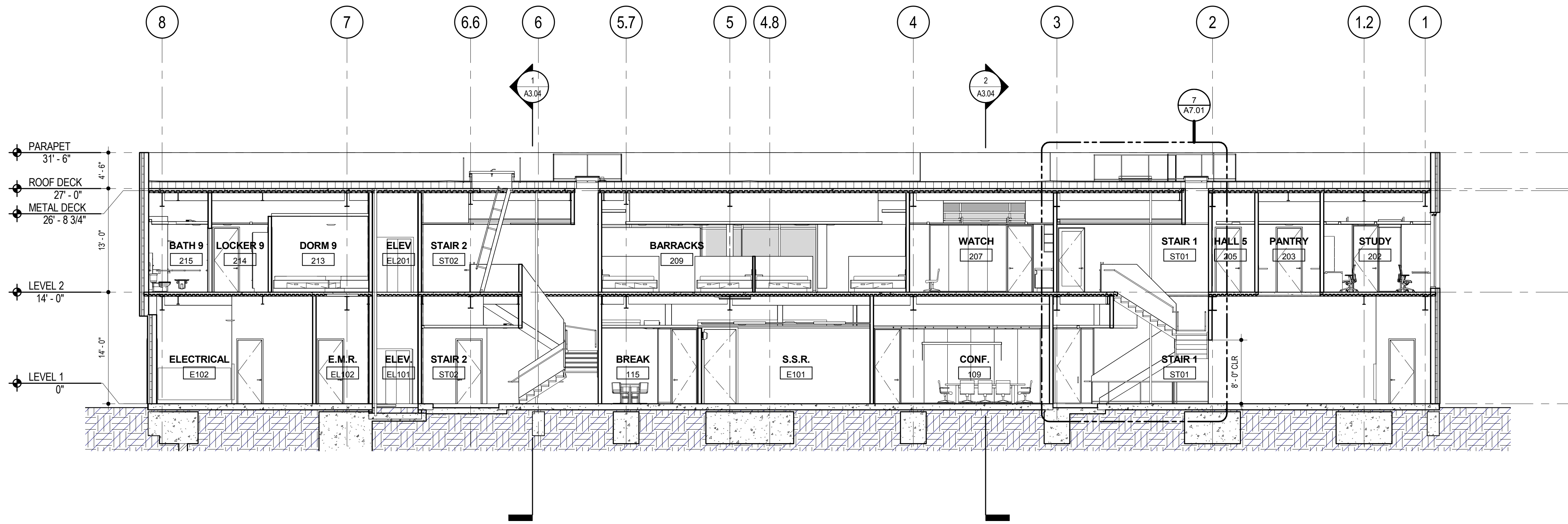
APPROVED: PRINCIPAL ARCHITECT

DESIGNED BY: Designer
 CHECKED BY: CHECKED BY
 DRAWN BY: Author
 DATE: 01/18/16
 SCALE: AS SHOWN
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 SHEET NUMBER

A3.03

REVISION B

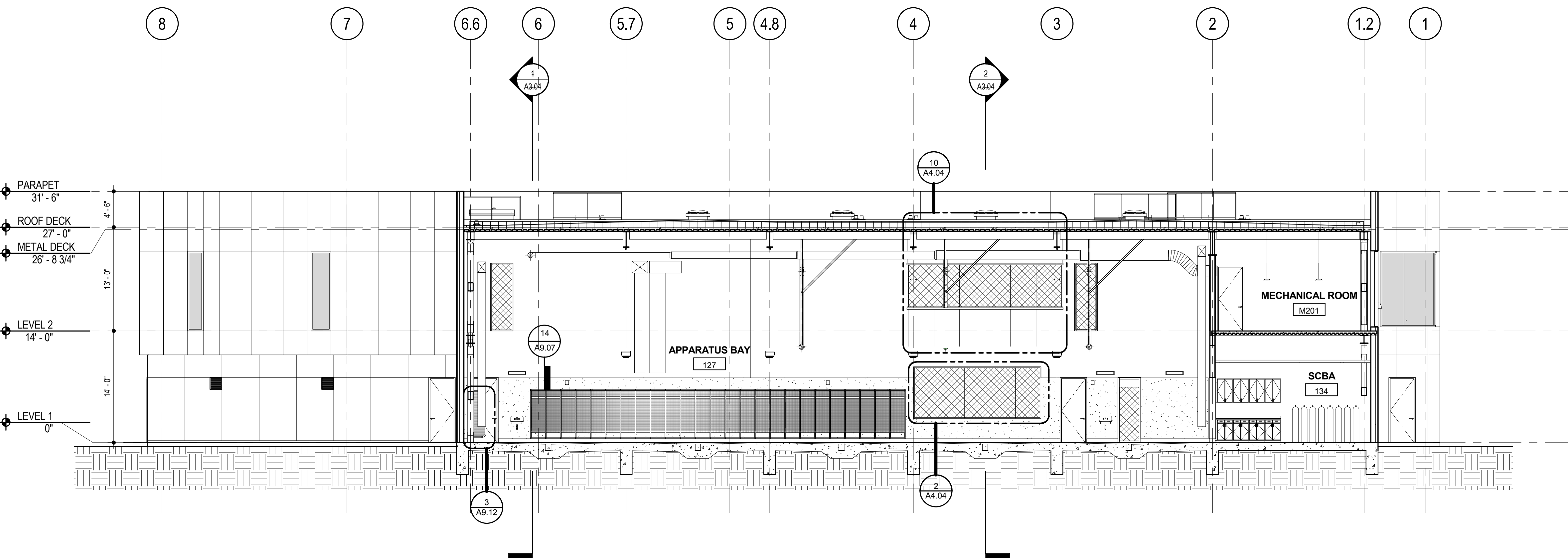
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LONGITUDINAL SECTION 1

2

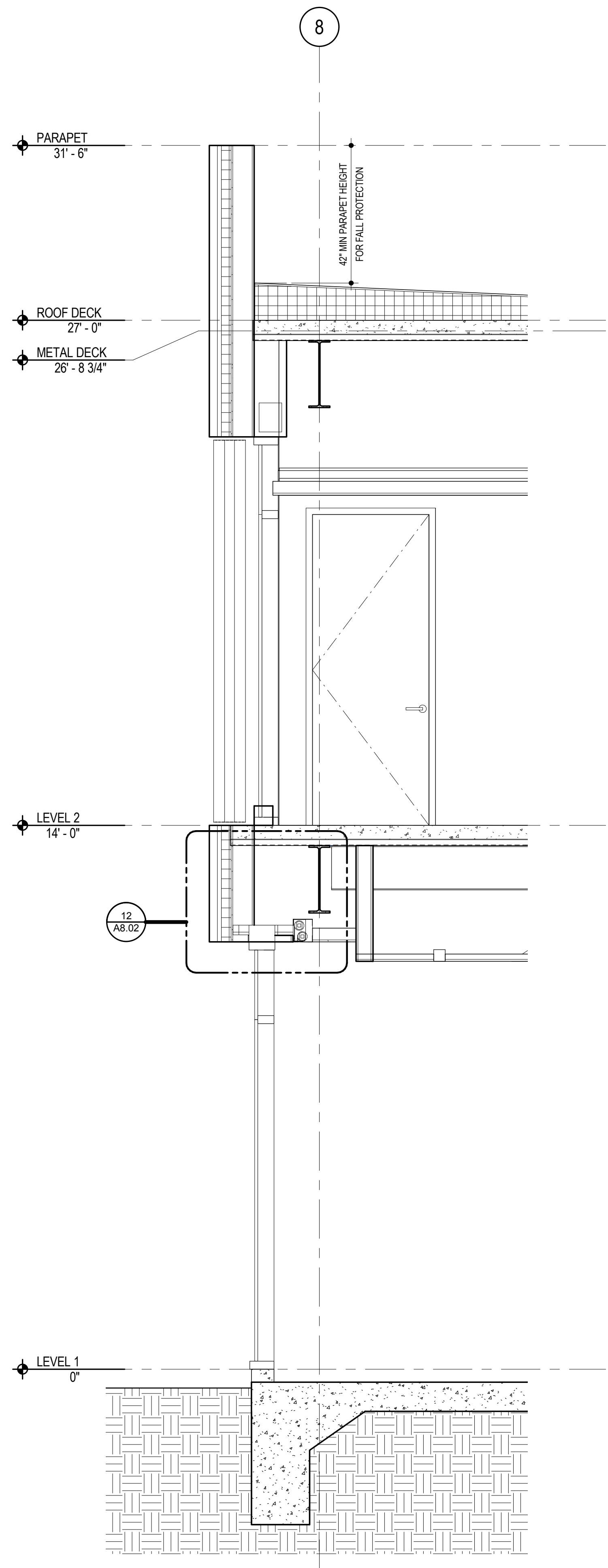
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CROSS SECTION 1

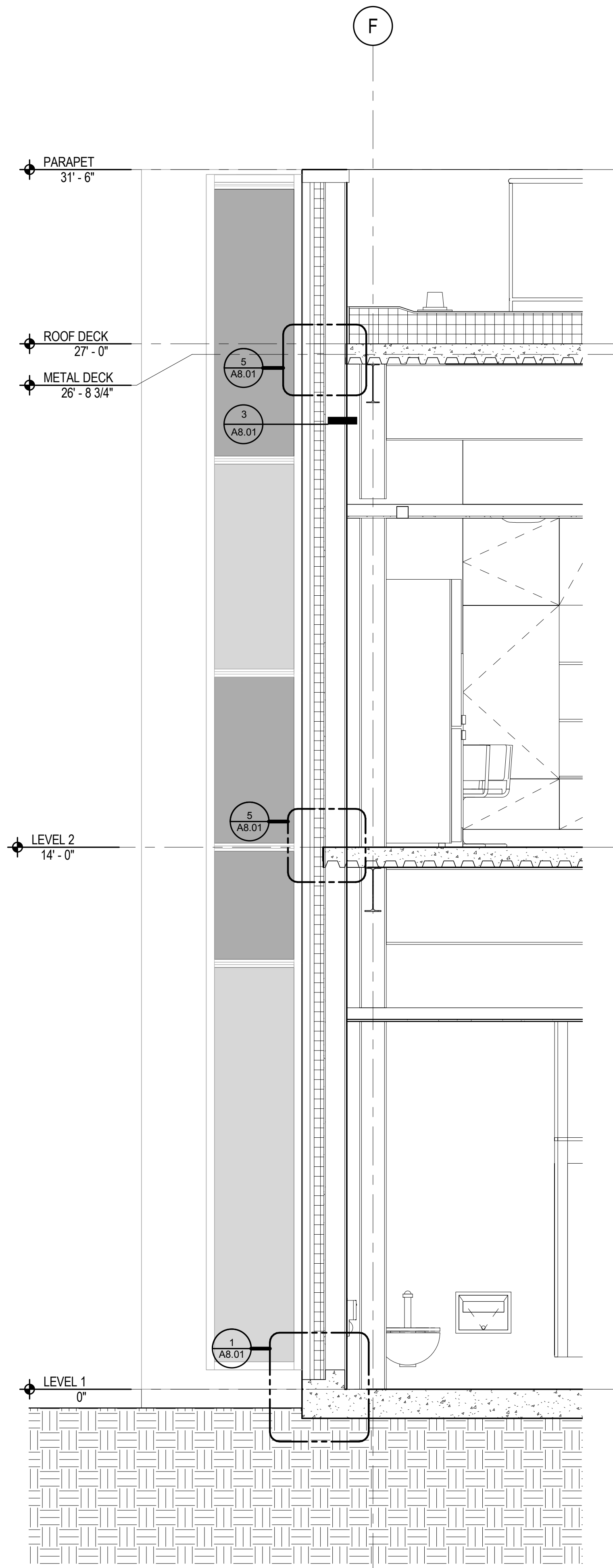
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RE: 1/ A0.08 1/8" = 1'-0"



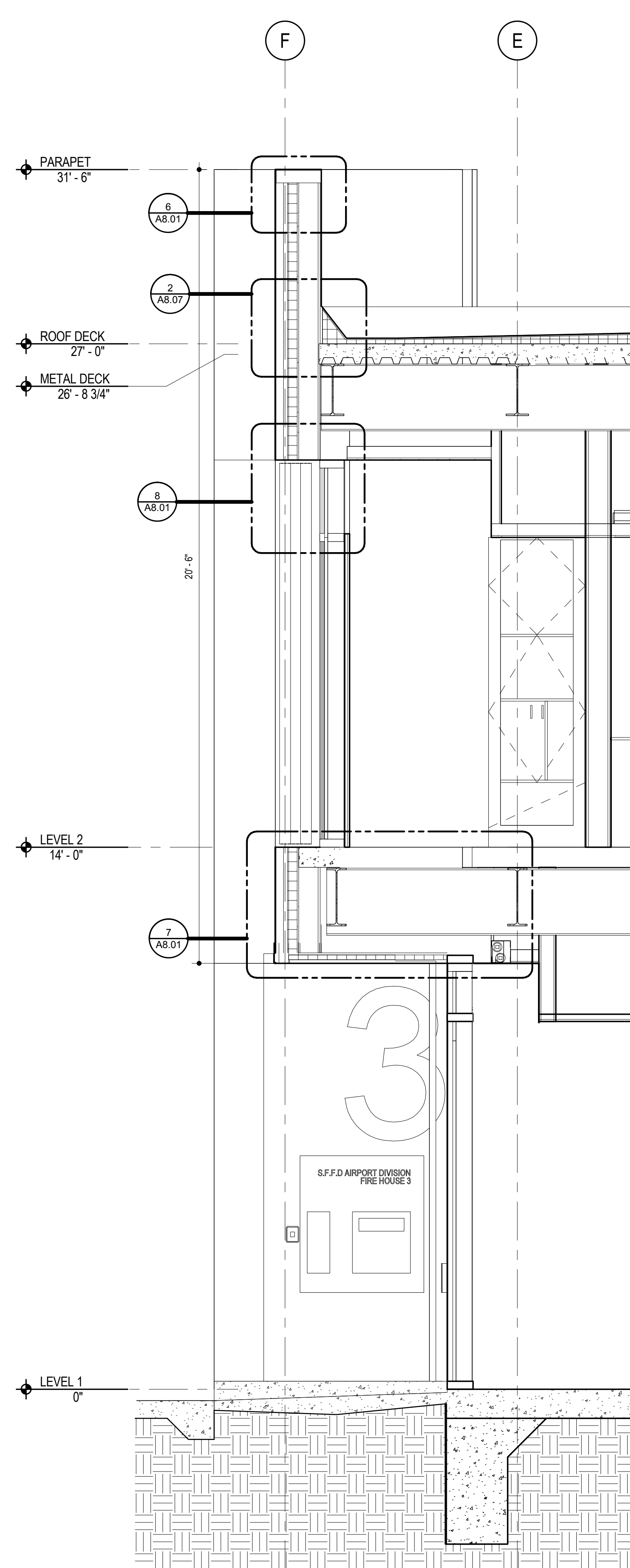
WALL SECTION @ GRIDLINE D.5 3

RE: 1/A2.05 1/2" = 1'-0"



WALL SECTION @ GRIDLINE 3 2

RE: 1/A3.01 1/2" = 1'-0"



WALL SECTION @ GRID LINE 6 1

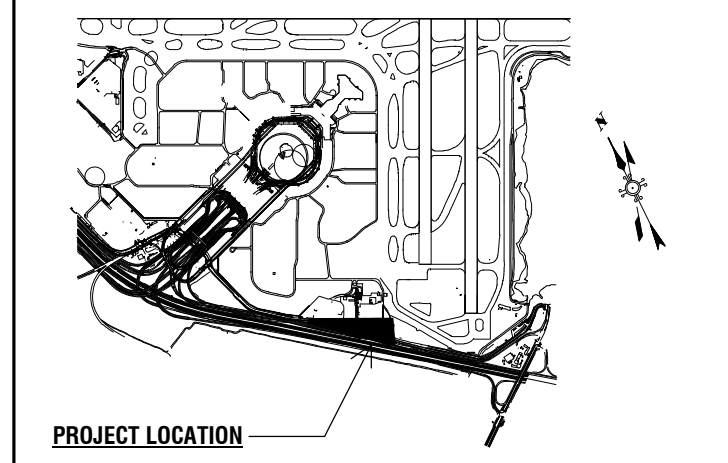
RE: 1/A3.01 1/2" = 1'-0"

SHEET NOTES

- A. SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A0.03
- B. DOOR SCHEDULE SEE SHEET - A2.08
- C. WINDOW SCHEDULE SEE SHEET - A4.03, A4.04



San Francisco International Airport



PROJECT LOCATION

Key Map

KEY NOTES

LEGEND

REVISIONS

NO.	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
A	12/15/15	ISSUED FOR PERMIT	
B	01/18/16	ISSUED FOR PERMIT	

CONTRACT NO. 10050.71

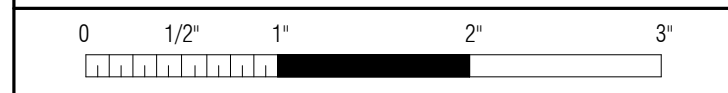
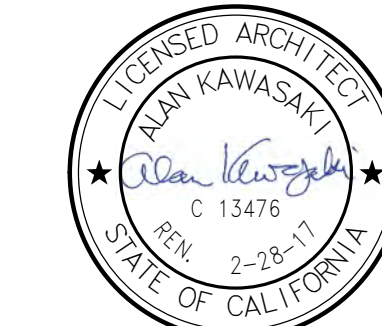
PROJECT TITLE

SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

SHEET TITLE

WALL SECTIONS

SEAL



APPROVED: DEPUTY AIRPORT DIRECTOR

APPROVED: PRINCIPAL ARCHITECT

DESIGNED BY: Designer

DRAWN BY: Author

SCALE: AS SHOWN

SHEET NUMBER

CHECKED BY: CHECKED BY

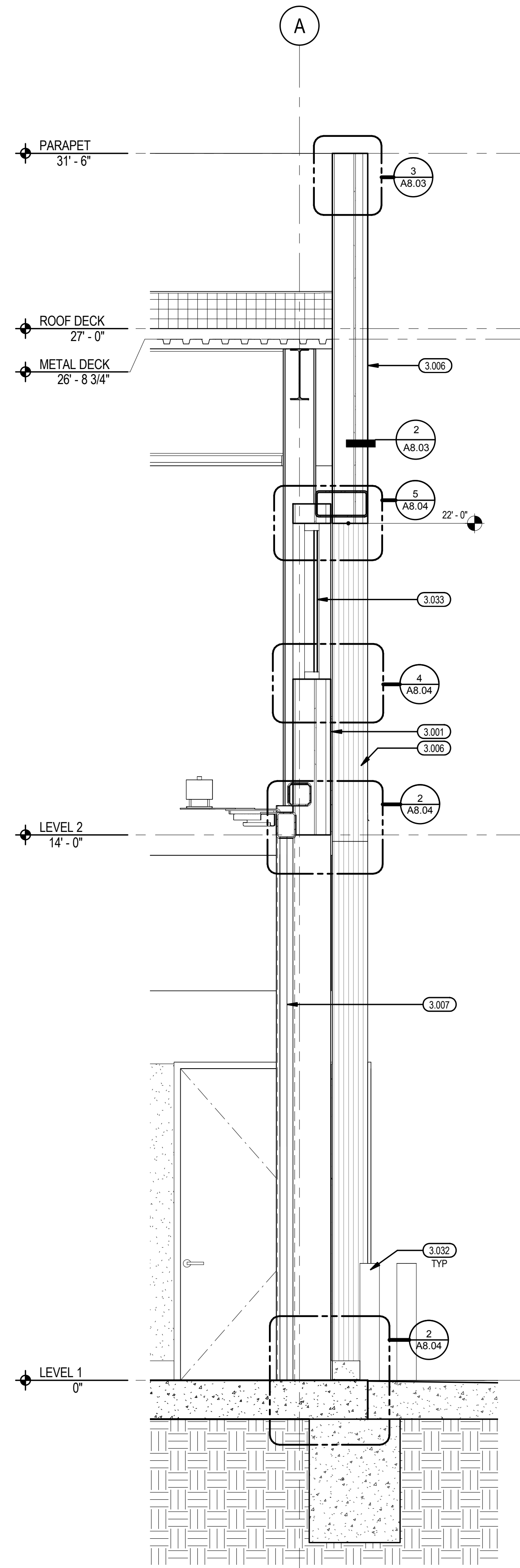
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SIZE: ARCH-D

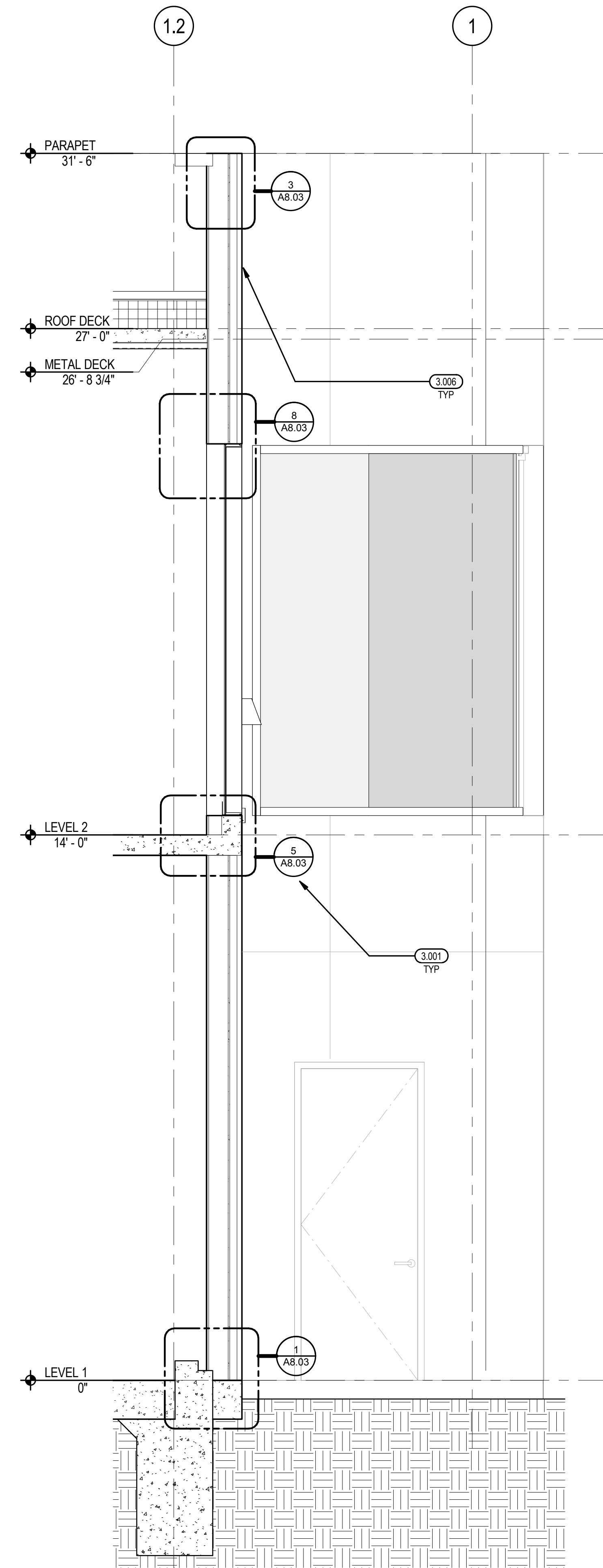
A3.05

REVISION B SEQUENCE NUMBER

OF



WALL SECTION @ GRIDLINE 4.8 **2**
RE: 2/ A3.04 1/2" = 1'-0"



WALL SECTION @ GRIDLINE A **1**
RE: 1/ A2.05 1/2" = 1'-0"

SHEET NOTES

A. SEE GENERAL NOTES, PROJECT DATA, SYMBOL LEGEND AND ABBREVIATIONS ON SHEET A0.03
 B. DOOR SCHEDULE SEE SHEET - A2.08
 C. WINDOW SCHEDULE SEE SHEET - A4.03, A4.04

KEY NOTES

2.159 BOLLARD WITH PHOTO EYE SENSOR, TYP.
 3.001 COMPOSITE METAL BUILDING PANELS
 3.006 FORMED METAL WALL PANELS
 3.007 ELECTRIC FOUR-FOLD DOORS, 16'-0"W X 14'-0"H
 3.032 FIXED STEEL BOLLARD
 3.033 ALUMINUM STOREFRON, ABOVE APPARATUS DOORS

LEGEND

NO.	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
A	12/15/15	ISSUED FOR PERMIT	
B	01/18/16	ISSUED FOR PERMIT	

CONTRACT NO. **10050.71**
 PROJECT TITLE **SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4**
 SHEET TITLE **WALL SECTIONS**

SEAL

APPROVED: **DEPUTY AIRPORT DIRECTOR**
 APPROVED: **PRINCIPAL ARCHITECT**
 APPROVED:

DESIGNED BY: **Designer** CHECKED BY: **CHECKED BY**
 DRAWN BY: **Author** DATE: **01/18/16**
 SCALE: **AS SHOWN** SIZE: **ARCH-D**
 SHEET NUMBER

A3.06

REVISION **B** SEQUENCE NUMBER _____ OF _____



NO.	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
A	12/15/15	ISSUED FOR PERMIT	
B	01/18/16	ISSUED FOR PERMIT	

10050.71
 SFO FH3 & SOUTH FIELD
 CHECKPOINT RELOCATION
 PHASE 4
 WALL SECTIONS

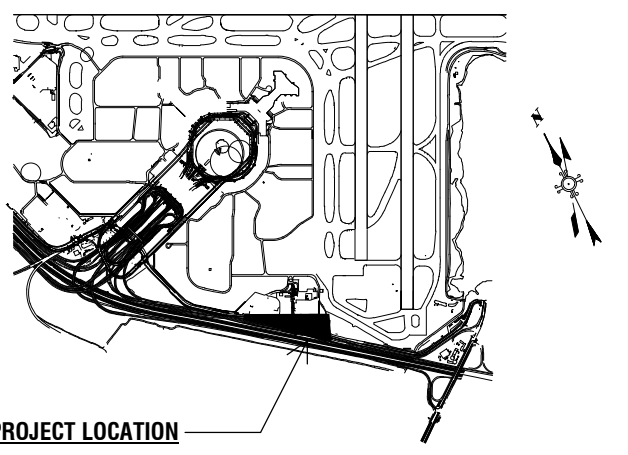
SEAL

APPROVED: **DEPUTY AIRPORT DIRECTOR**
 APPROVED: **PRINCIPAL ARCHITECT**
 APPROVED:

DESIGNED BY: **Designer** CHECKED BY: **CHECKED BY**
 DRAWN BY: **Author** DATE: **01/18/16**
 SCALE: **AS SHOWN** SIZE: **ARCH-D**
 SHEET NUMBER

A3.06

REVISION **B** SEQUENCE NUMBER _____ OF _____



PROJECT LOCATION

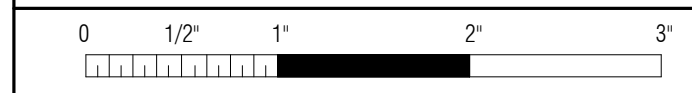
Key Map

NO.	DATE	ISSUED FOR PERMIT	ISSUED FOR PERMIT
A	12/15/15		
B	01/16/16		

10050.71

SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

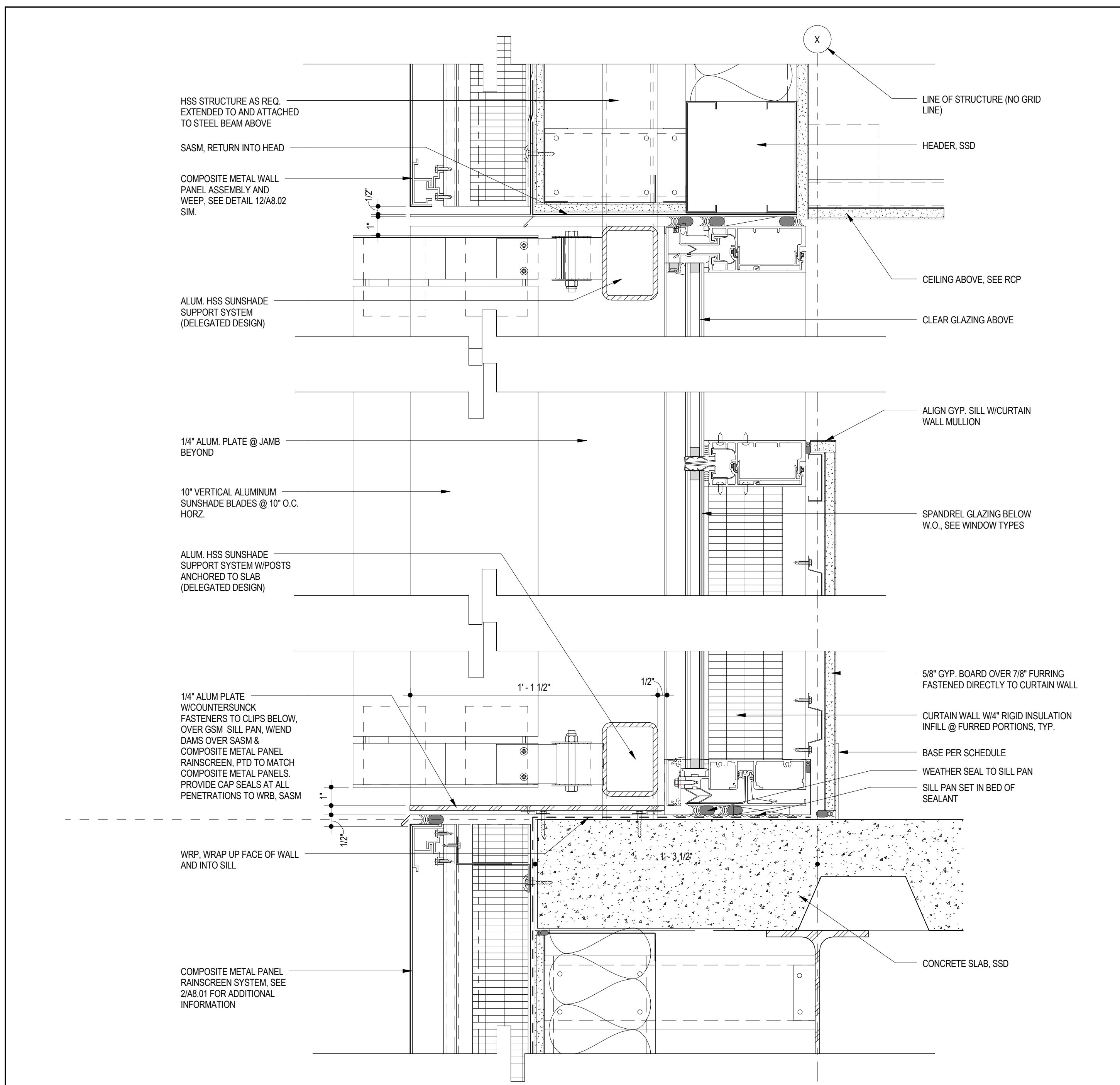
EXTERIOR DETAILS



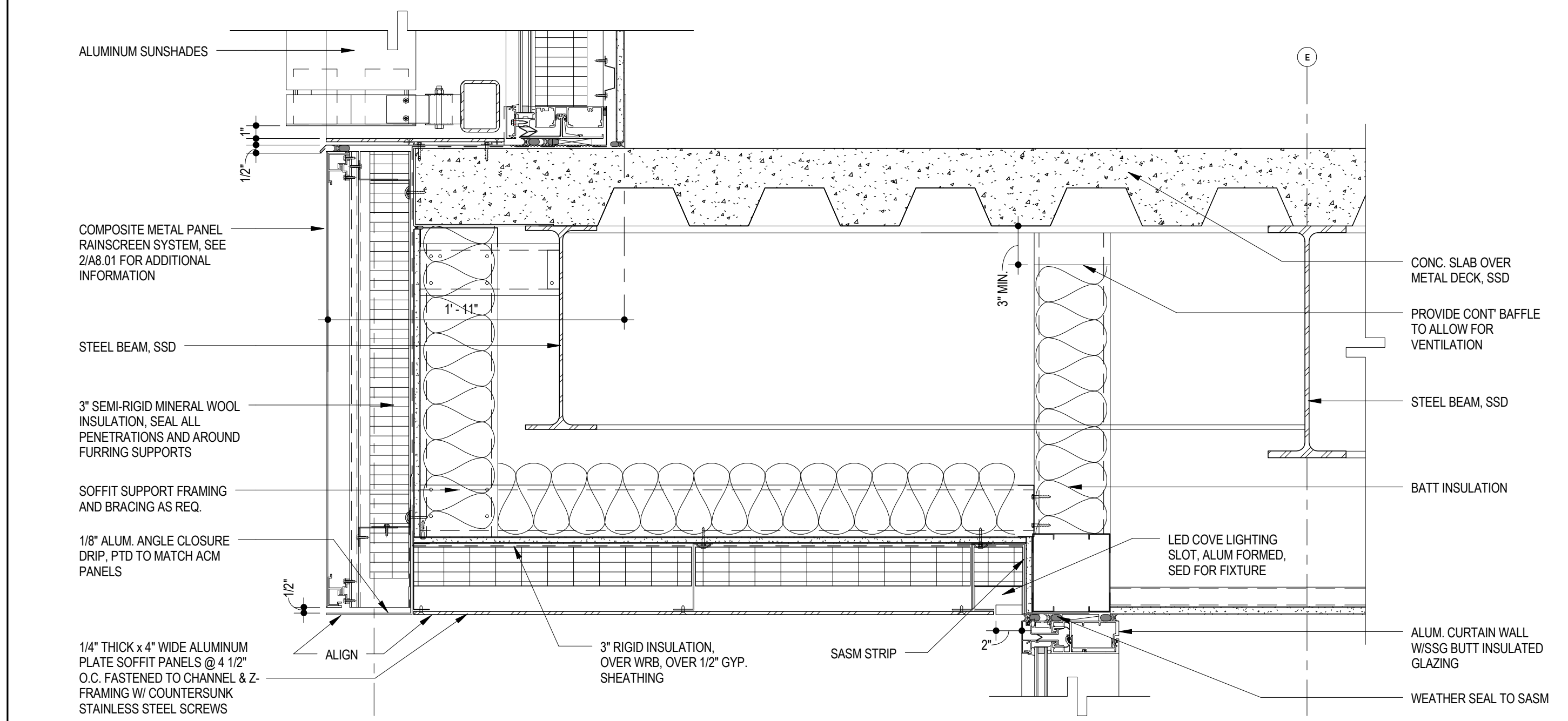
APPROVED: DEPUTY AIRPORT DIRECTOR
 APPROVED: PRINCIPAL ARCHITECT
 DESIGNED BY: Designer
 DRAWN BY: Author
 SCALE: AS SHOWN
 SHEET NUMBER

A8.01

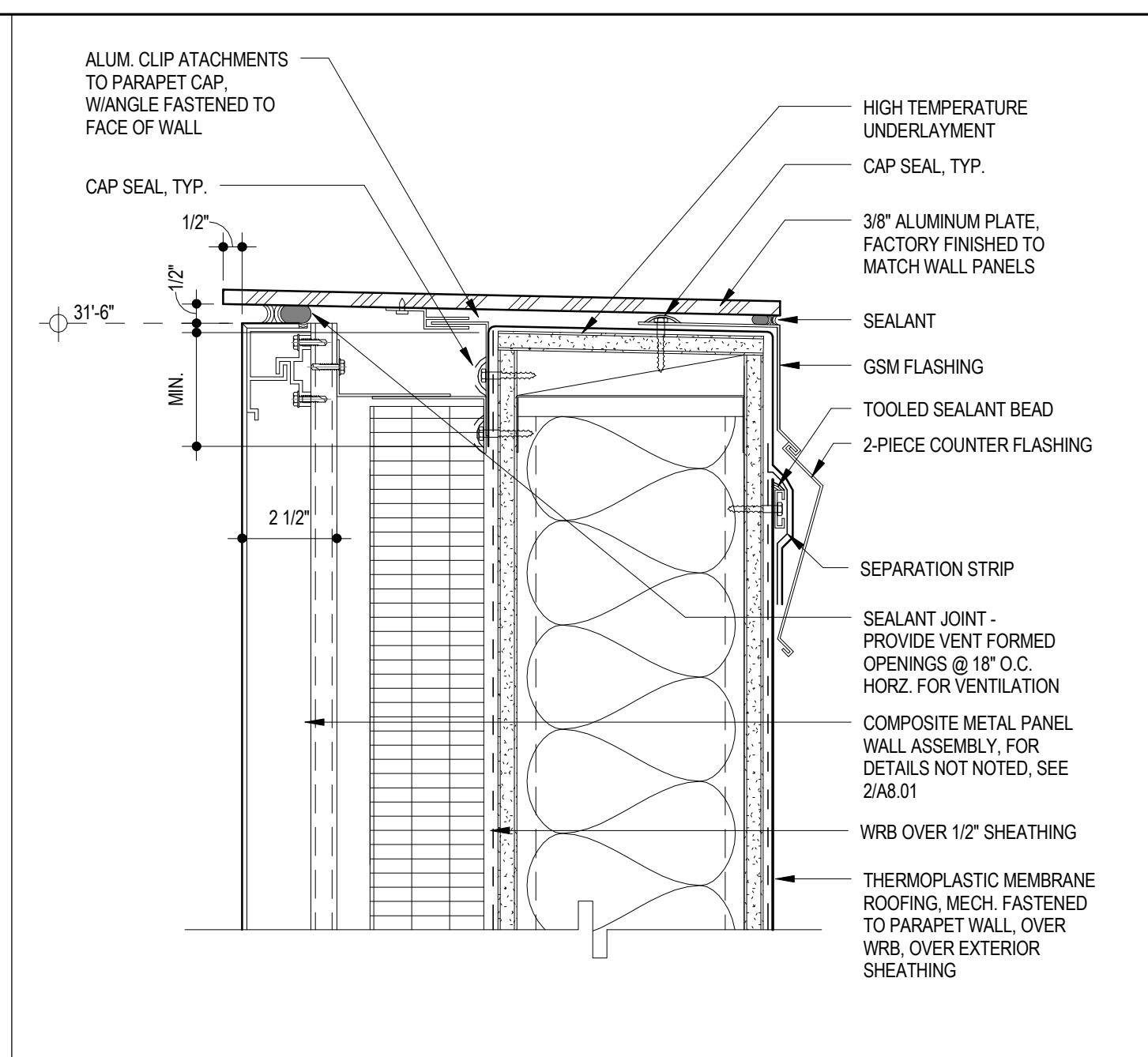
REVISION	SEQUENCE NUMBER
B	OF



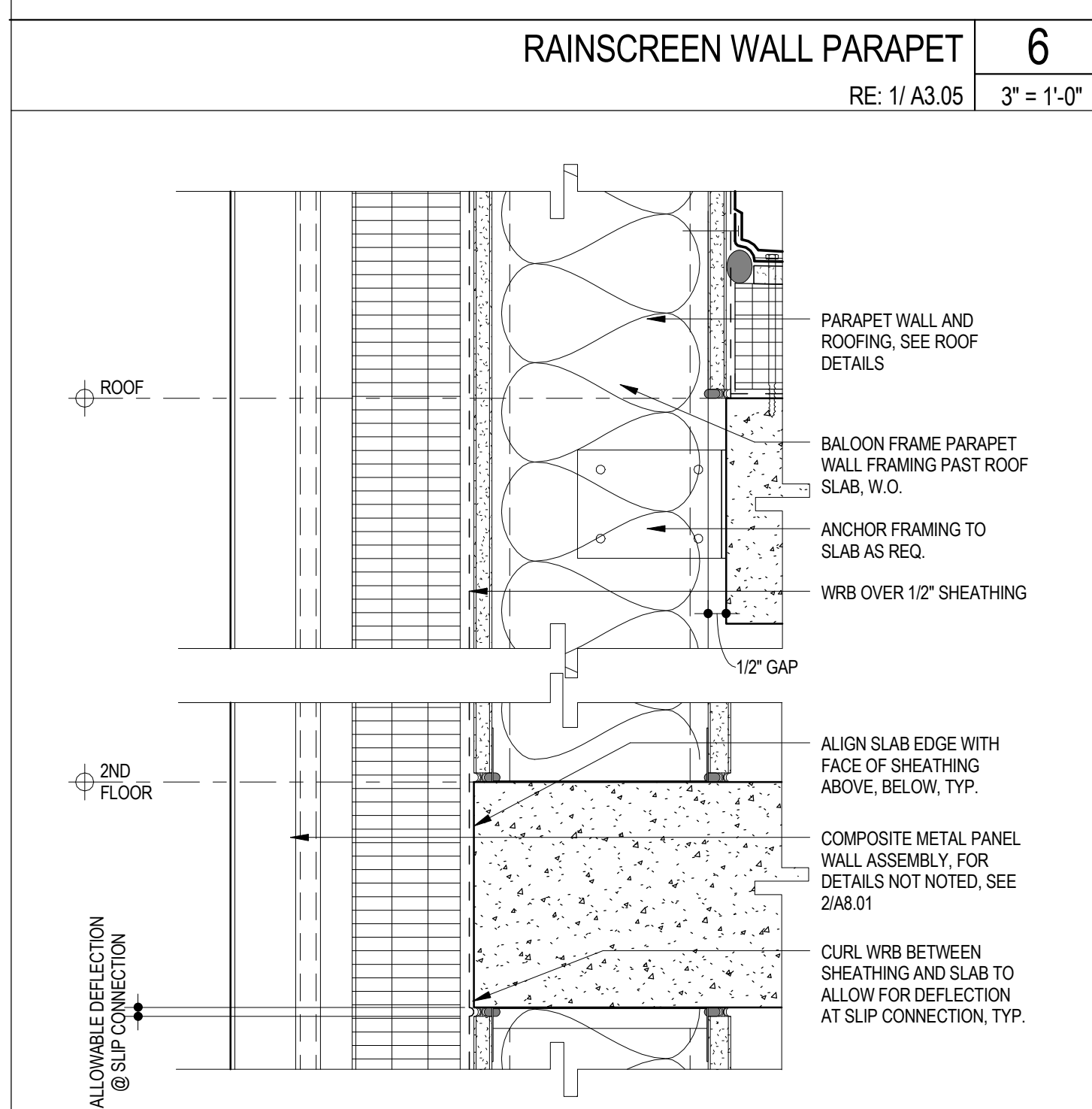
SUNSHADE HEAD AND SILL 8
RE: 1/ A3.05 3' = 1'-0"



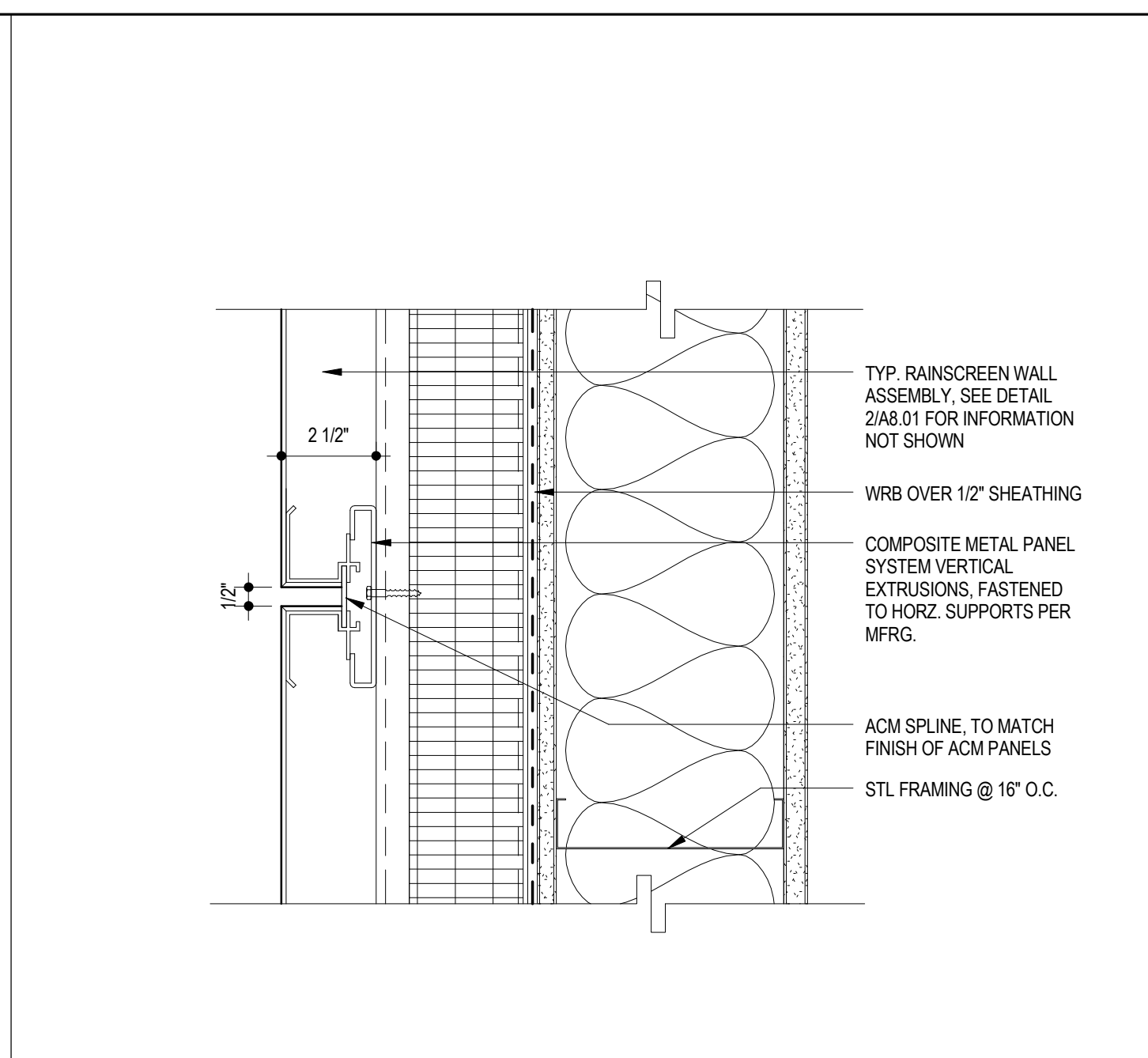
RAINSCREEN WALL DETAIL AT FRONT OVERHANG 7
RE: 1/ A3.05 1 1/2\"/>



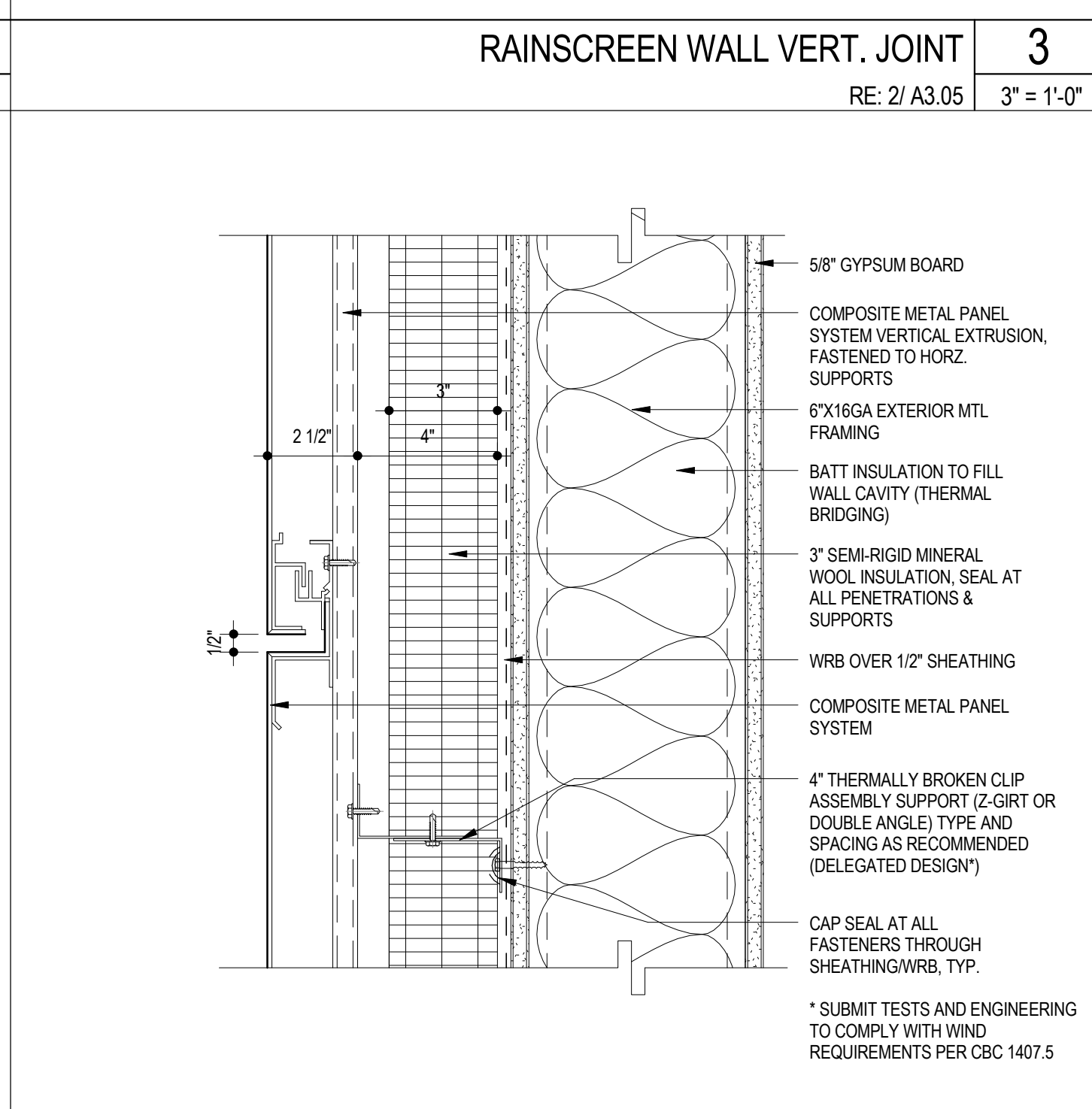
RAINSCREEN WALL PARAPET 6
RE: 1/ A3.05 3' = 1'-0"



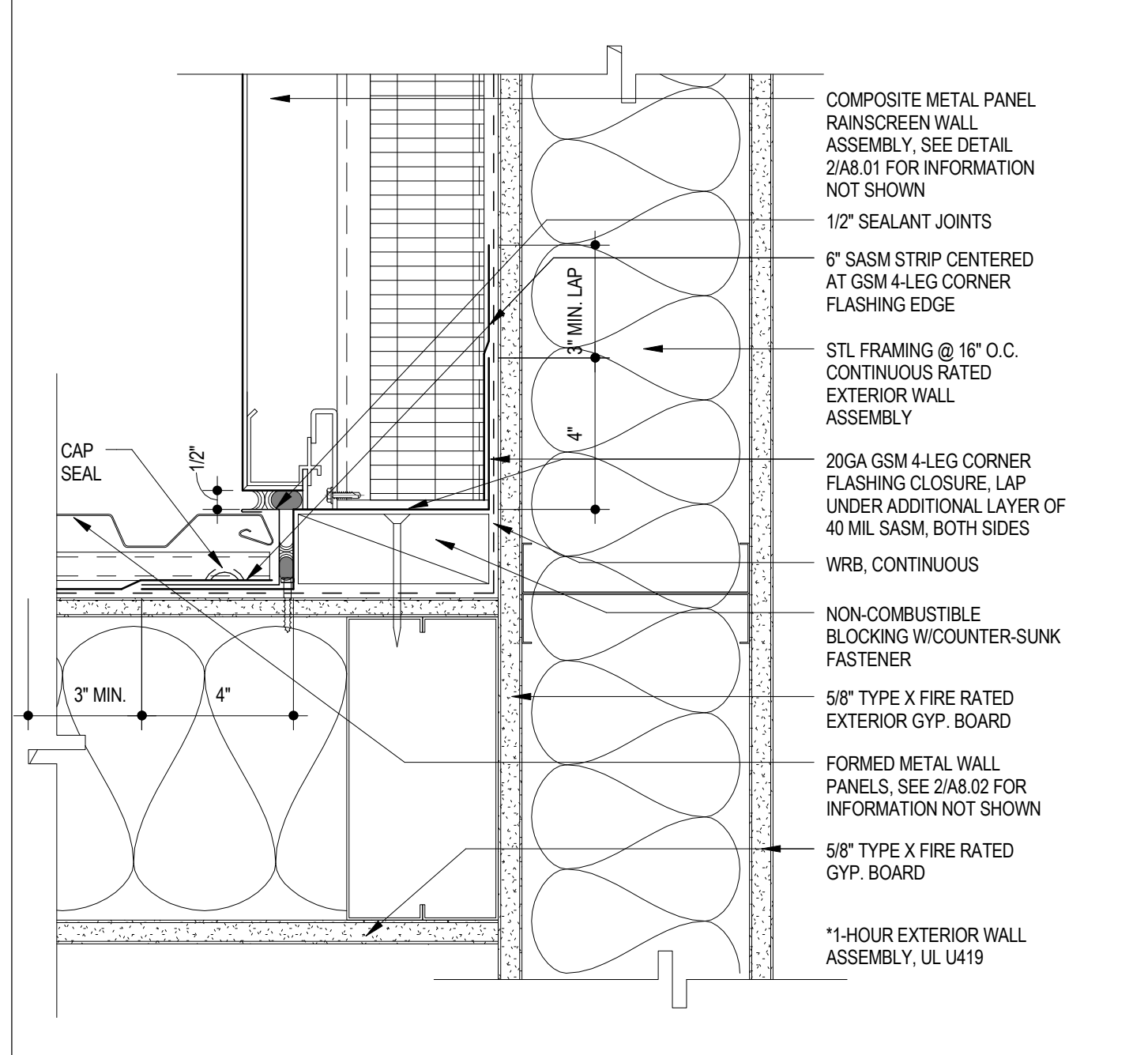
RAINSCREEN WALL SLAB EDGE CONDITIONS 5
RE: 2/ A3.05 3' = 1'-0"



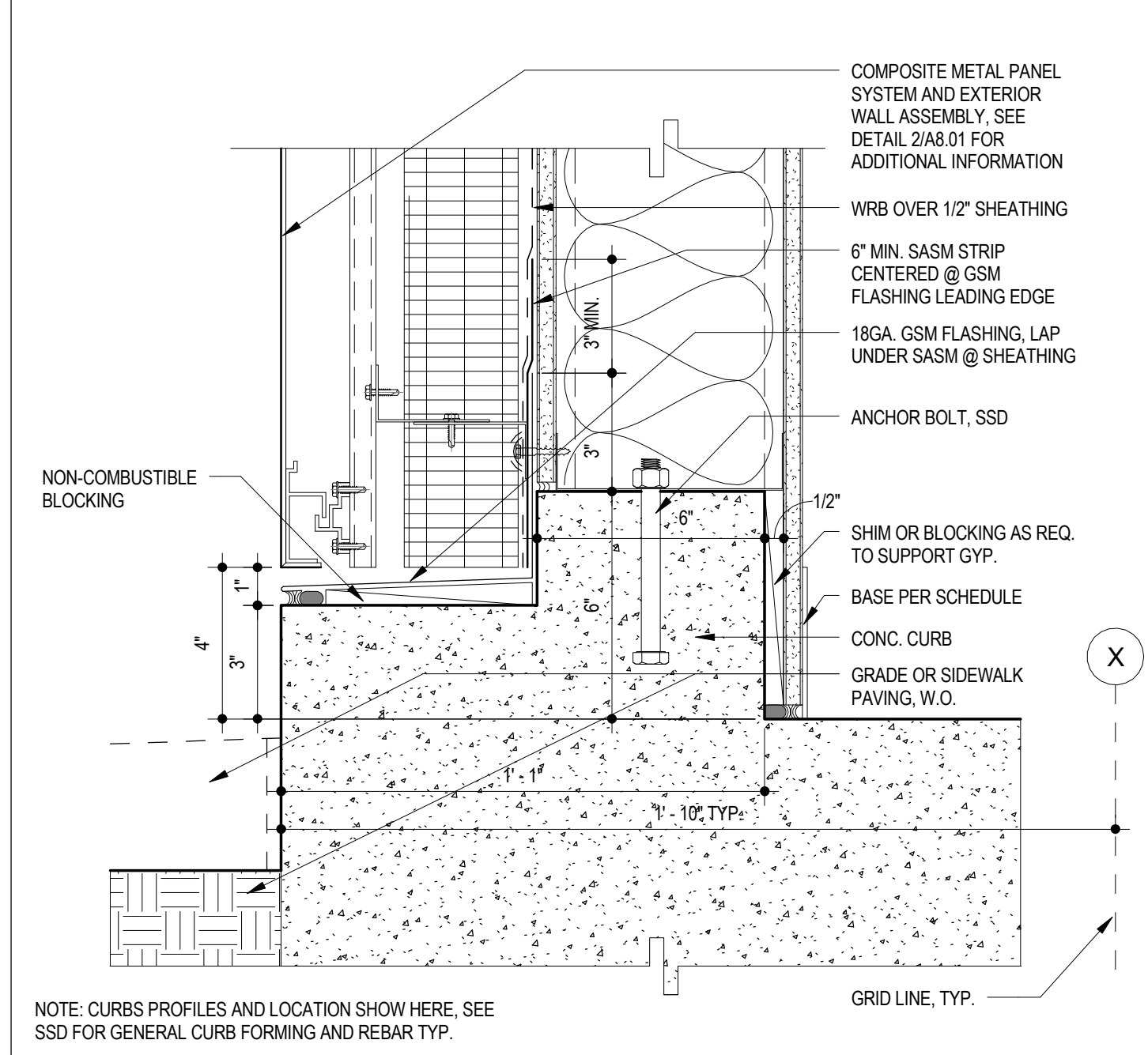
RAINSCREEN WALL VERT. JOINT 3
RE: 2/ A3.05 3' = 1'-0"



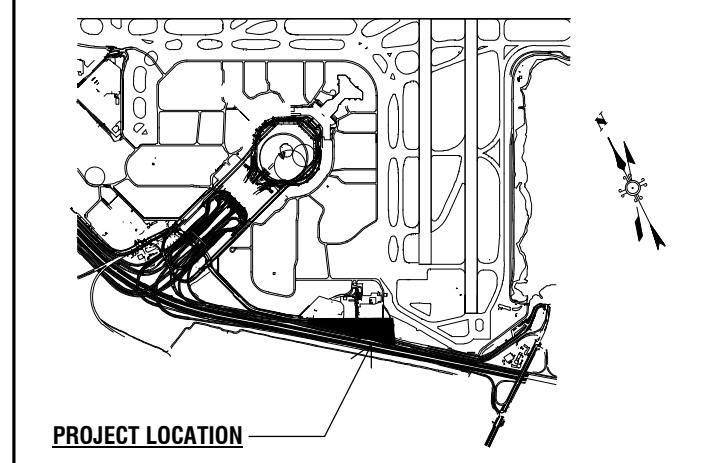
RAINSCREEN WALL HORZ. JOINT 2
3' = 1'-0"



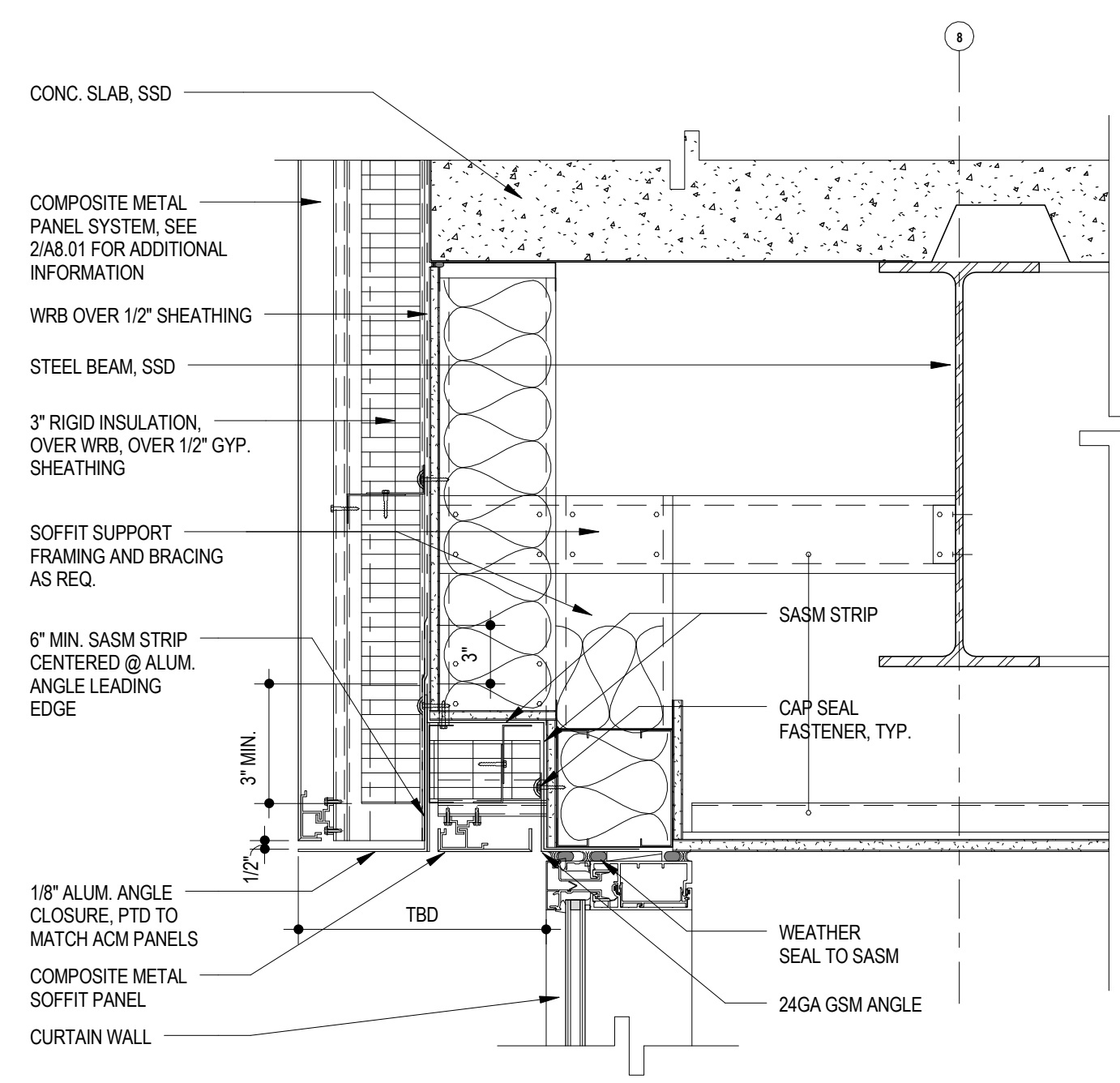
INSIDE CORNER @ RAINSCREEN/METAL PANEL WALL 4
RE: 2/ A3.01 3' = 1'-0"



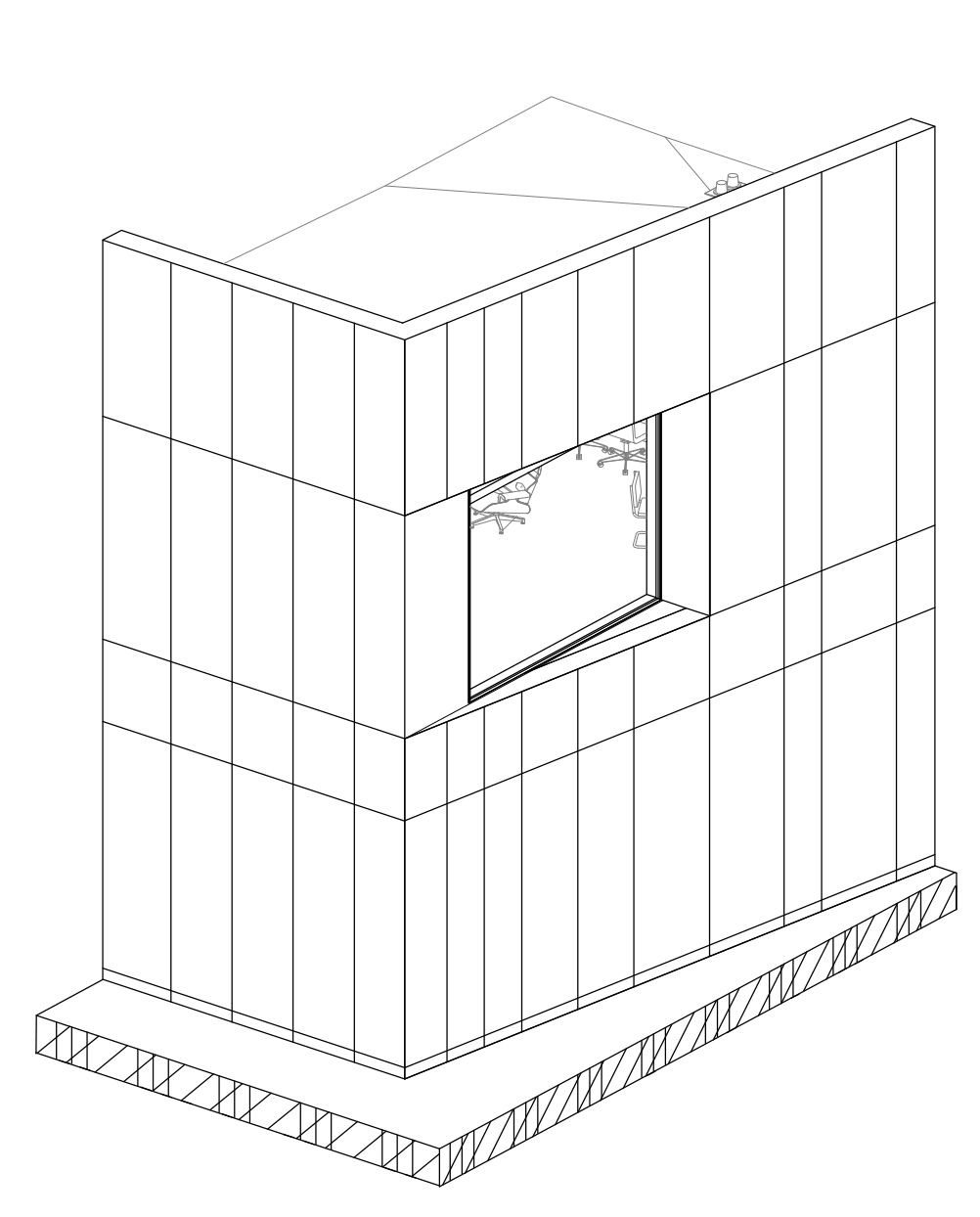
RAINSCREEN WALL SILL 1
RE: 2/ A3.05 3' = 1'-0"



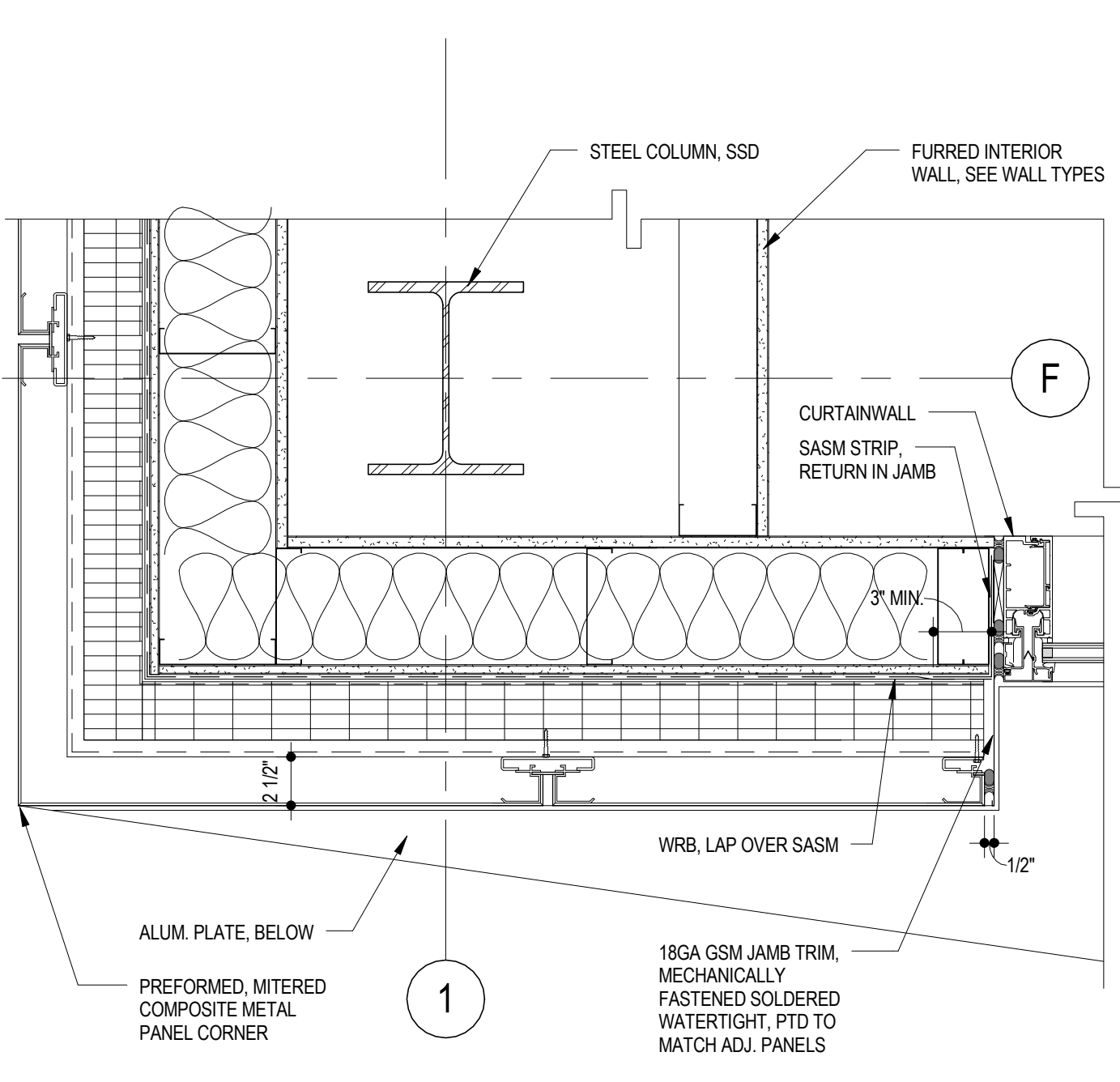
Key Map



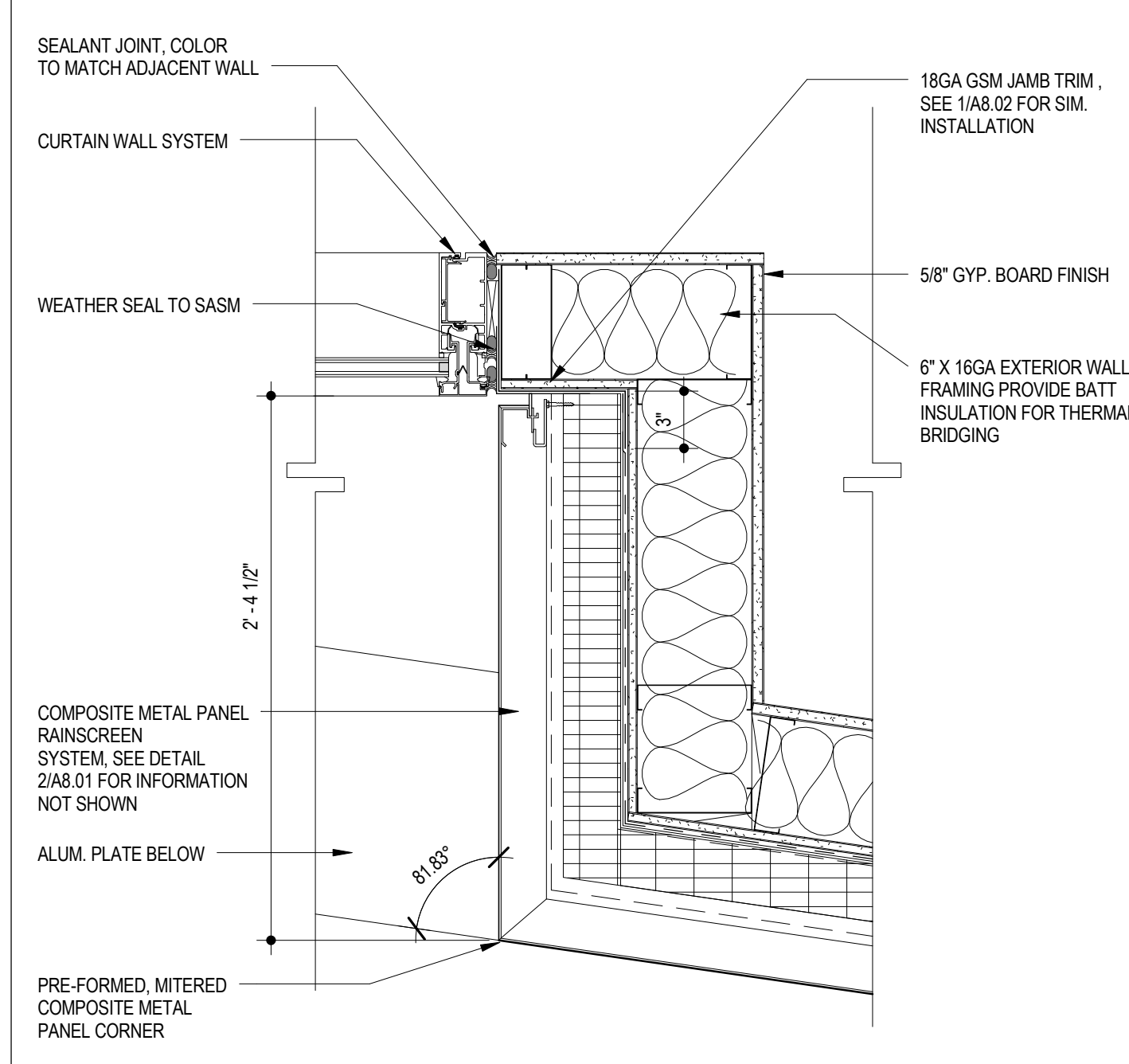
RAINSCREEN AT EXERCISE ROOM CURTAIN WALL HEAD 12
RE: 3/ A3.05 1 1/2" = 1'-0"



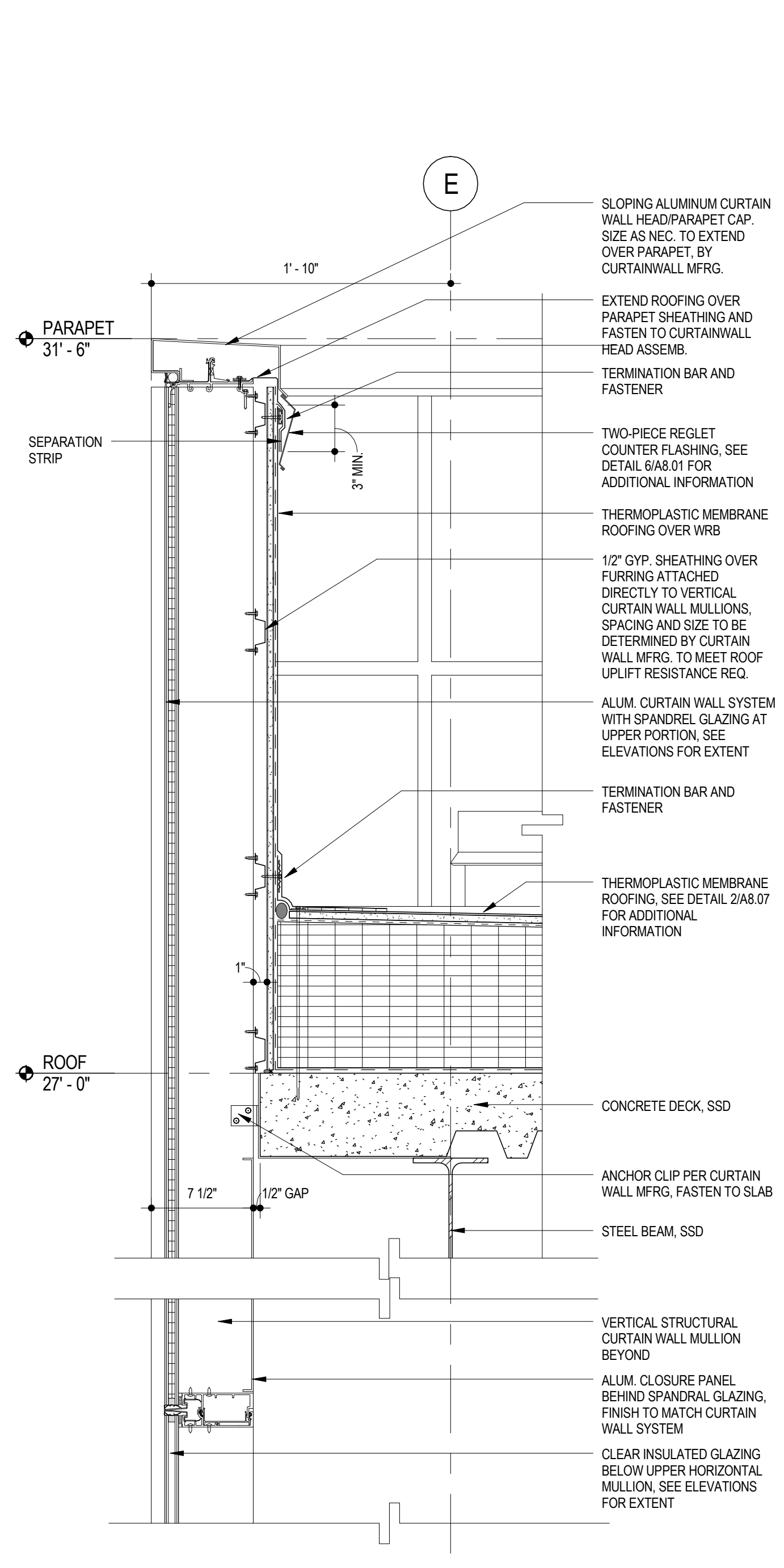
DAYROOM RAINSCREEN AXON 9
1/8" = 1'-0"



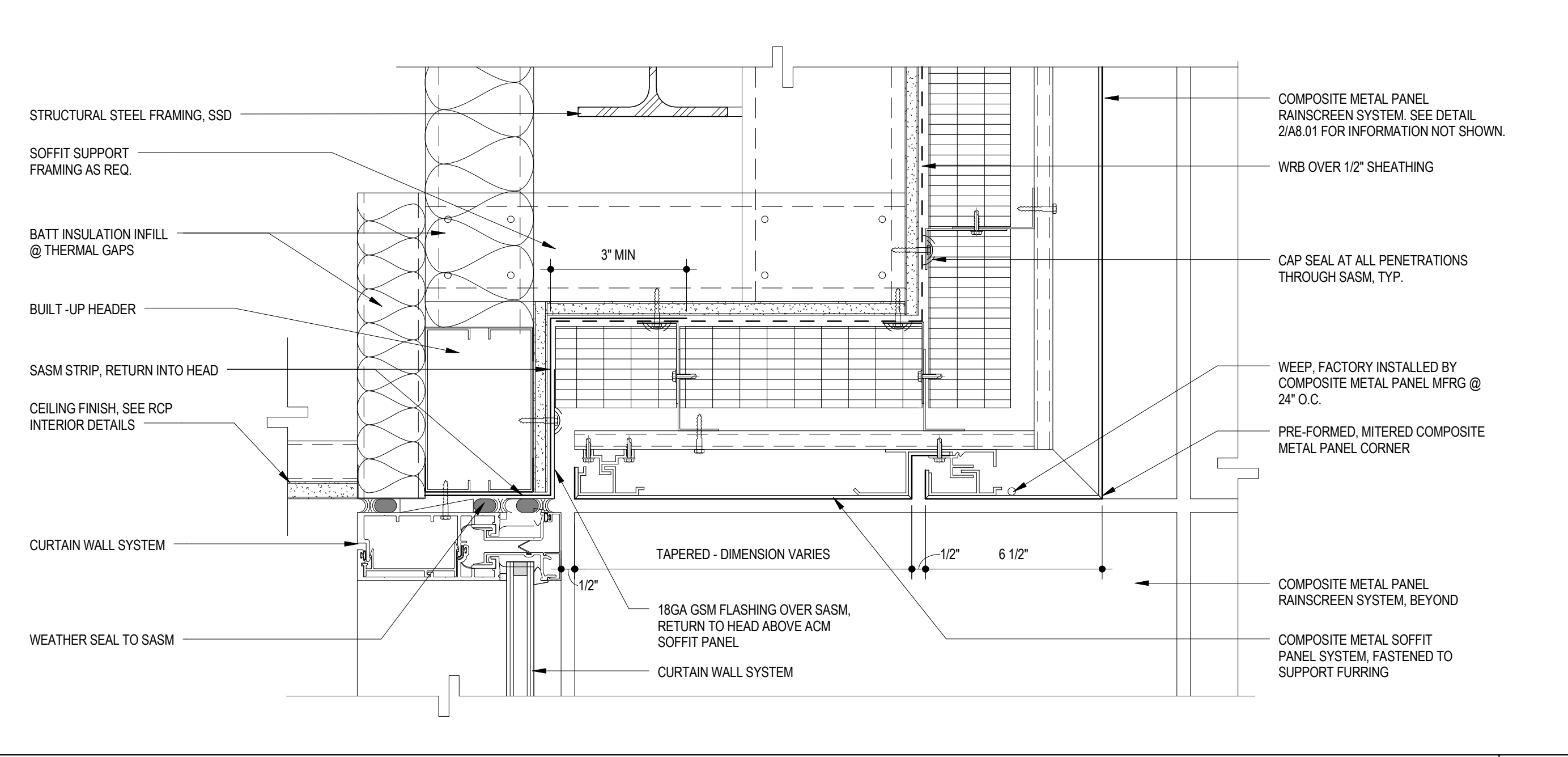
RAINSCREEN/CURTAIN WALL DETAIL @ DAYROOM 6
RE: 1/ A2.03 1 1/2" = 1'-0"



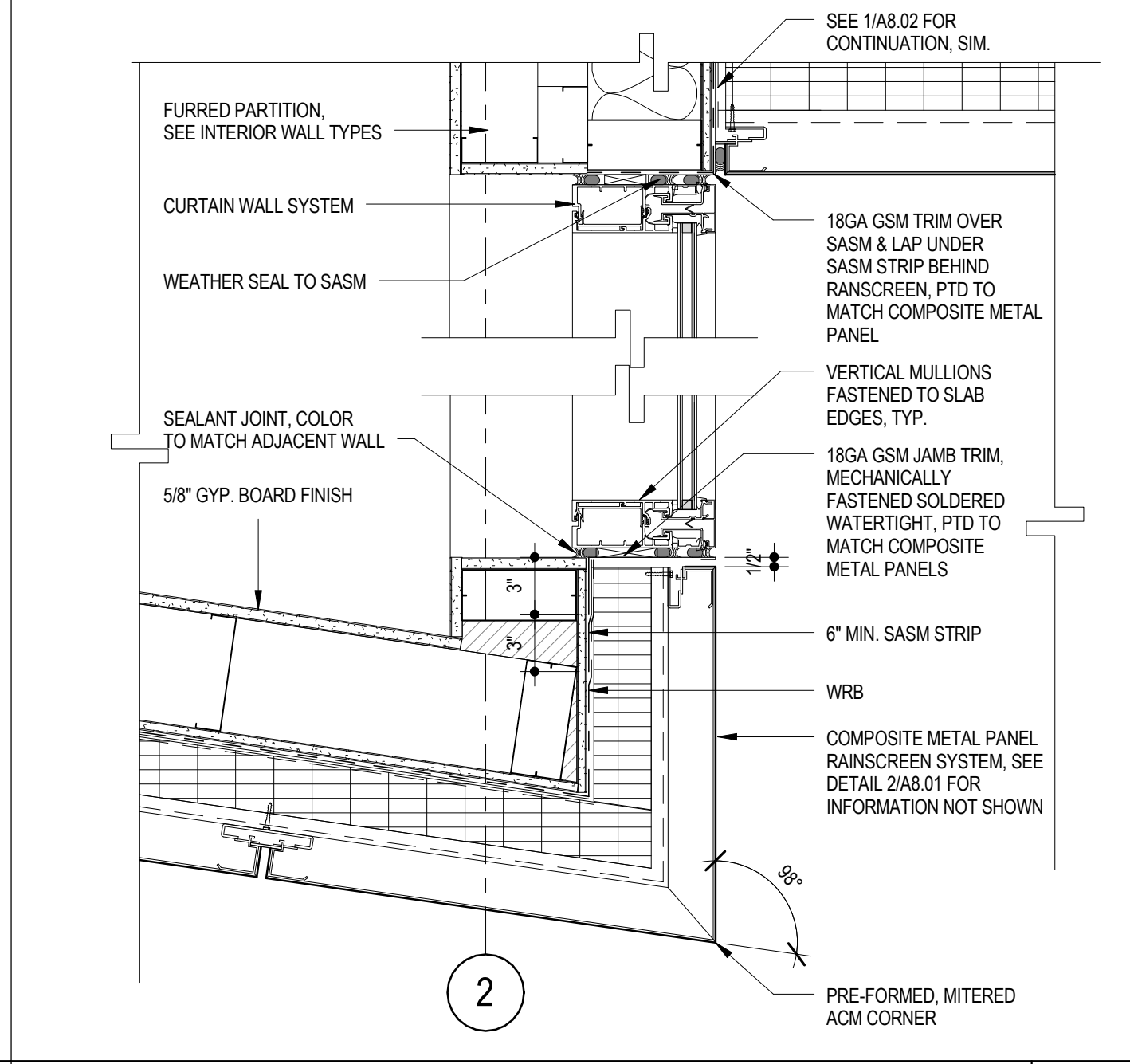
DAYROOM STOREFRONT SOUTH - RIGHT JAMB + WALL DETAIL 3
RE: 1/ A1.03 1 1/2" = 1'-0"



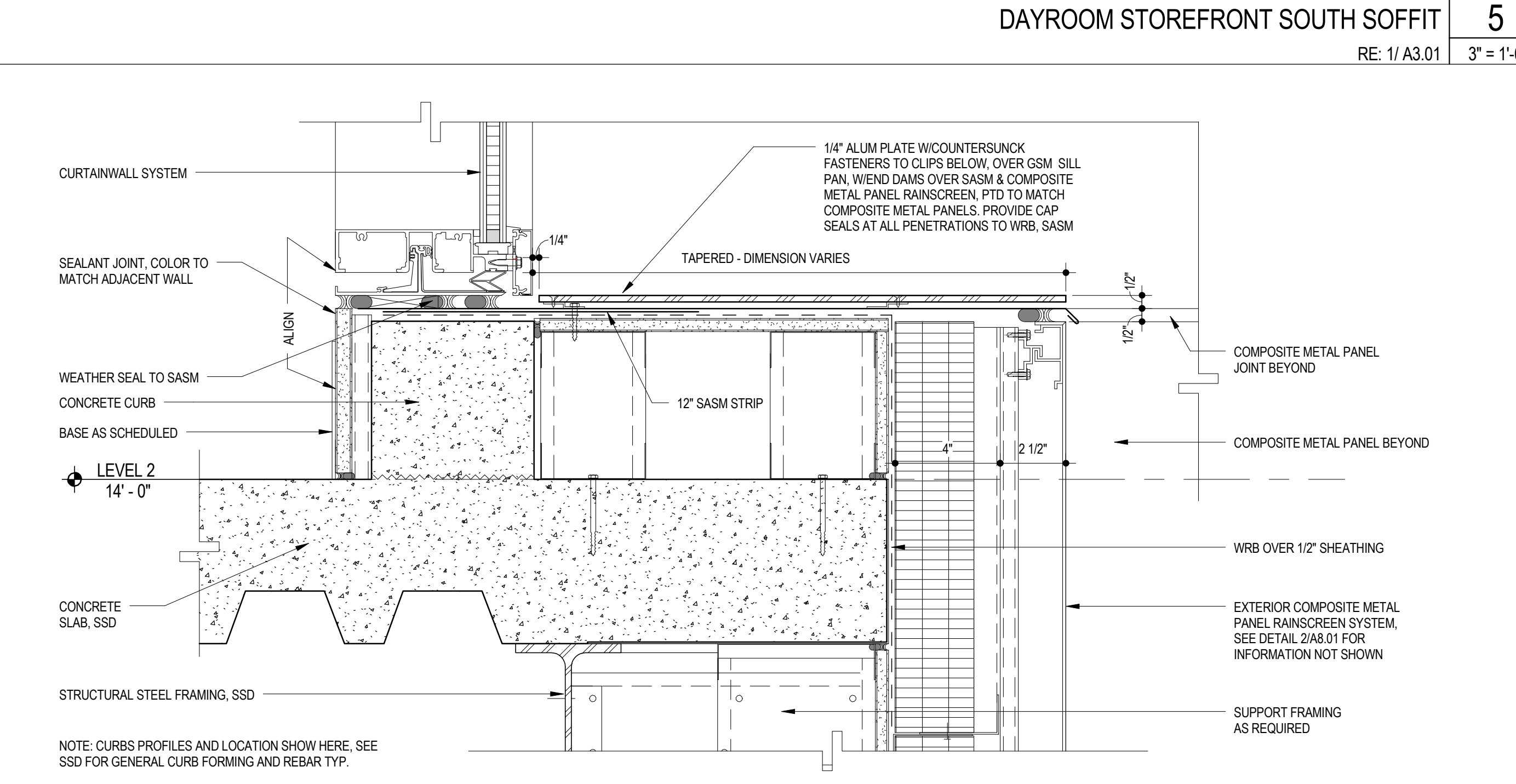
LOBBY CURTAINWALL DETAIL @ ROOF 10
RE: 1/ A2.05 1 1/2" = 1'-0"



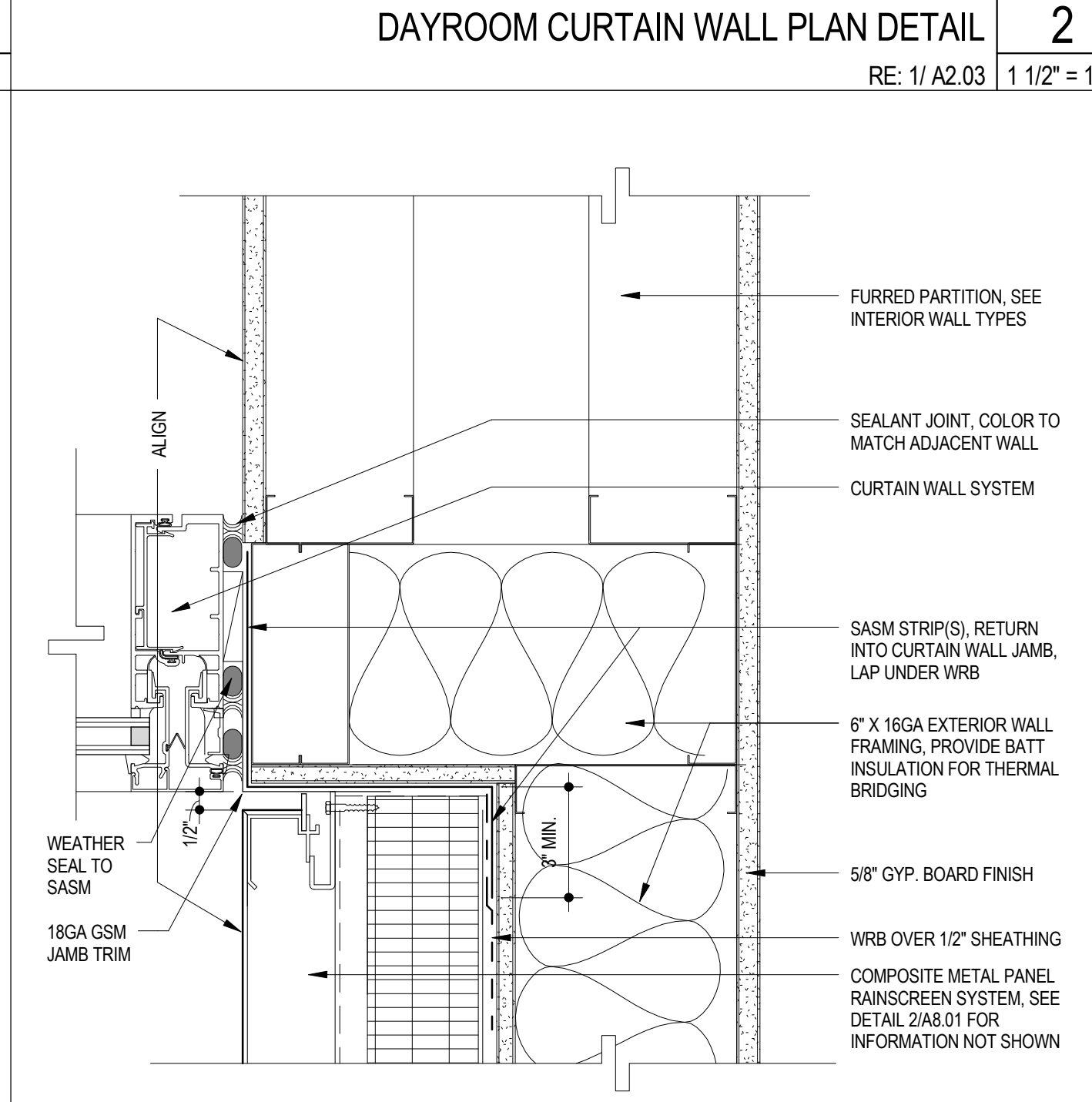
DAYROOM STOREFRONT SOUTH SOFFIT 5
RE: 1/ A3.01 3" = 1'-0"



DAYROOM CURTAIN WALL PLAN DETAIL 2
RE: 1/ A2.03 1 1/2" = 1'-0"



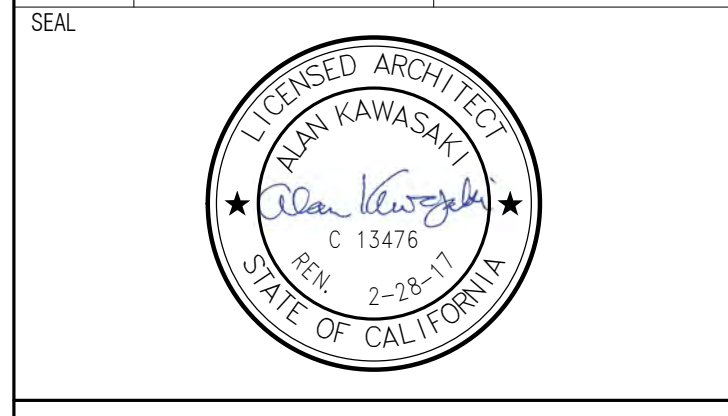
DAYROOM STOREFRONT SOUTH SILL 4
RE: 3/ A4.03 3" = 1'-0"



CURTAIN WALL @ LOBBY JAMB 1
RE: 1/ A4.03 3" = 1'-0"

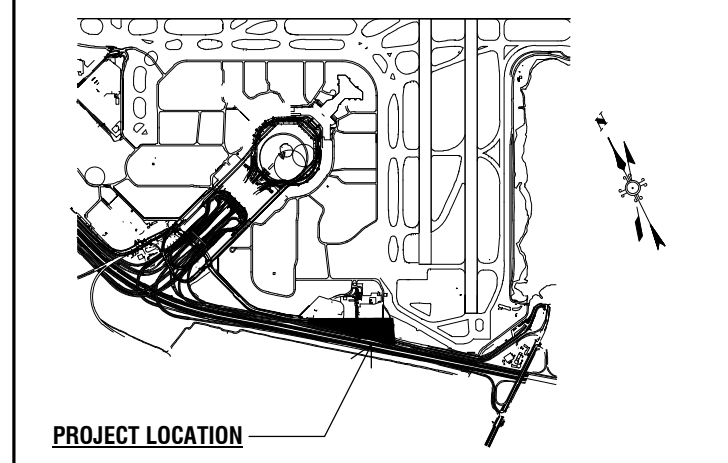
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10050.71
SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4
EXTERIOR DETAILS

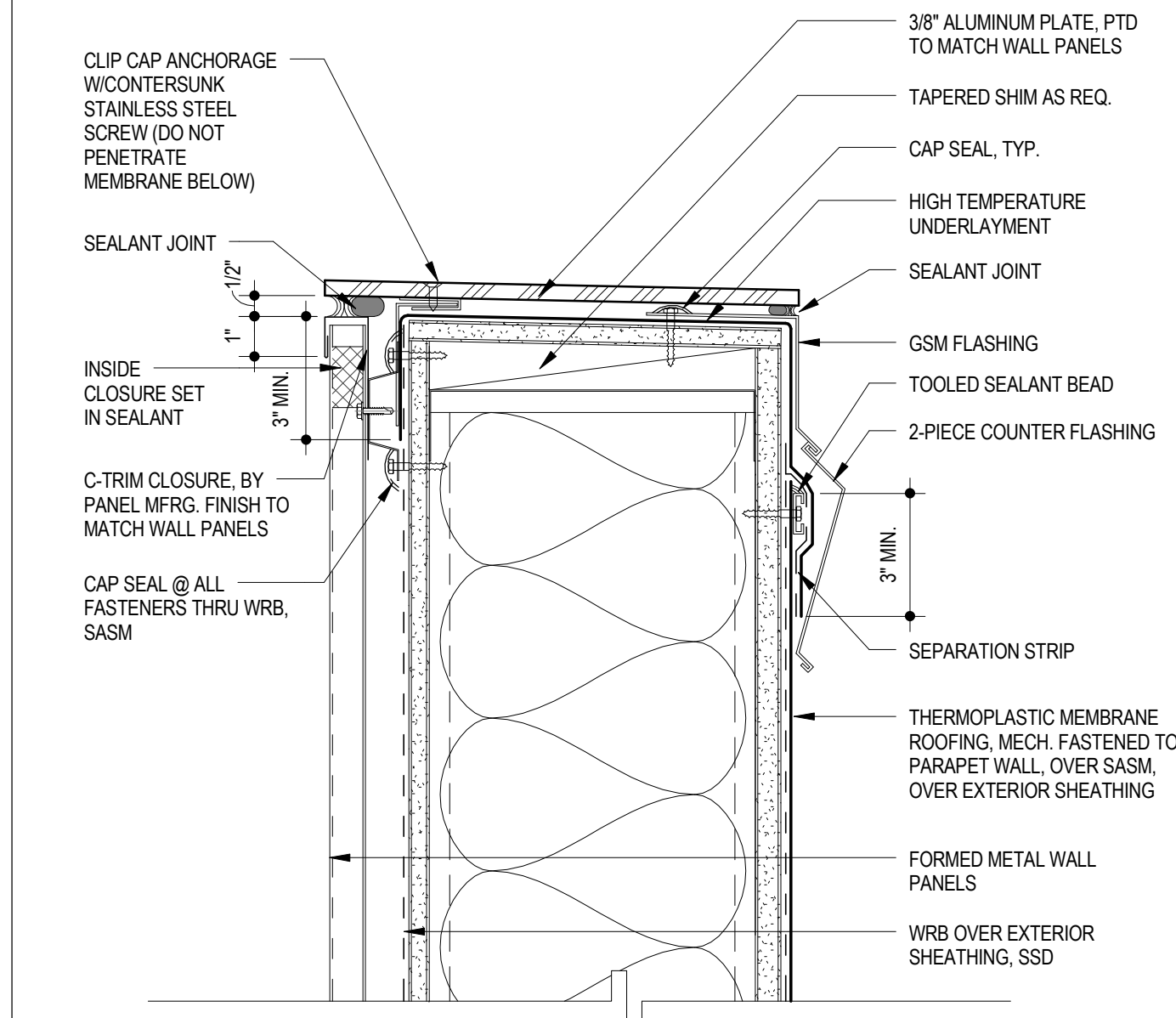
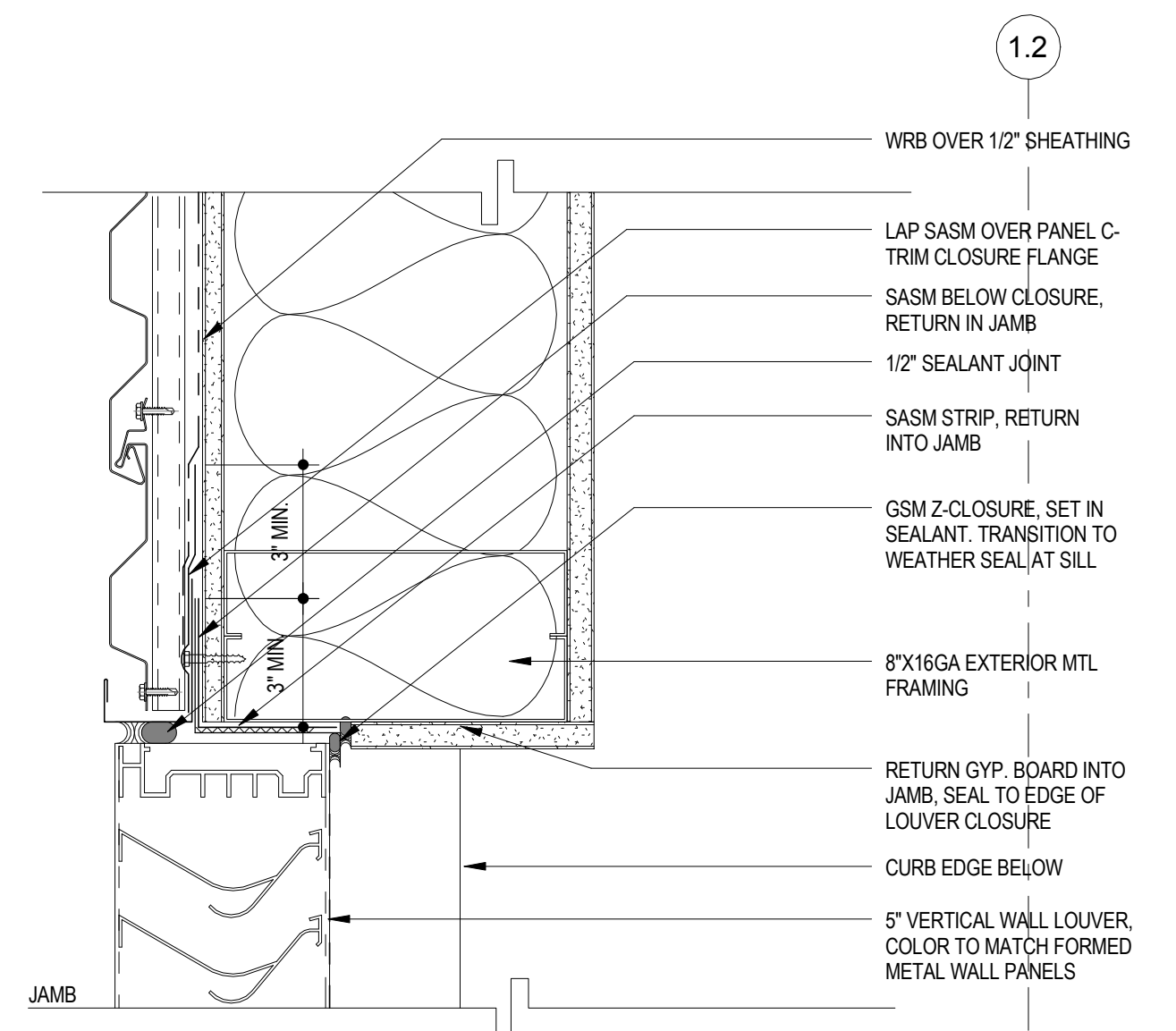


APPROVED: DEPUTY AIRPORT DIRECTOR
APPROVED: PRINCIPAL ARCHITECT
DESIGNED BY: Designer
DRAWN BY: Author
SCALE: AS SHOWN
SHEET NUMBER

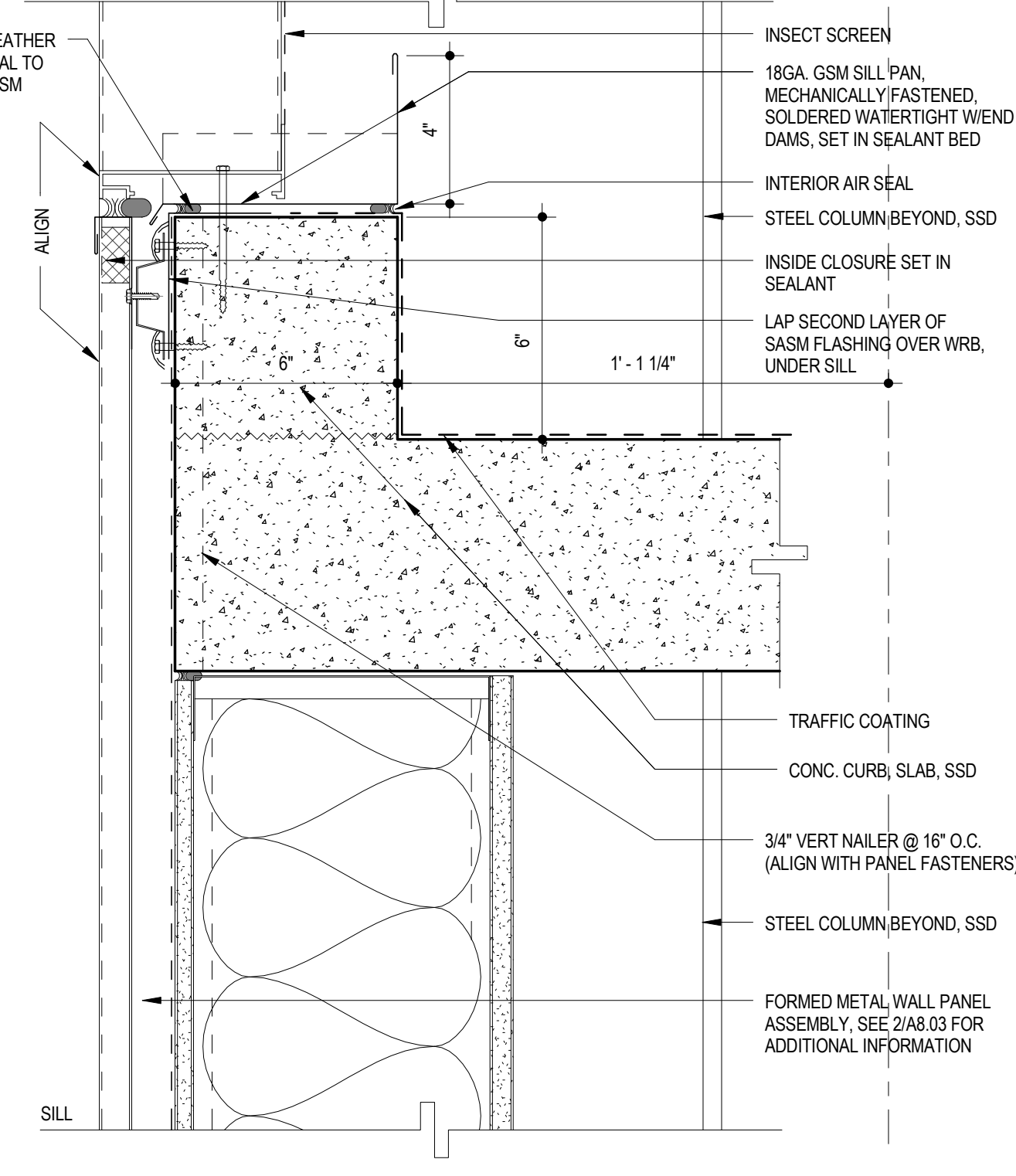
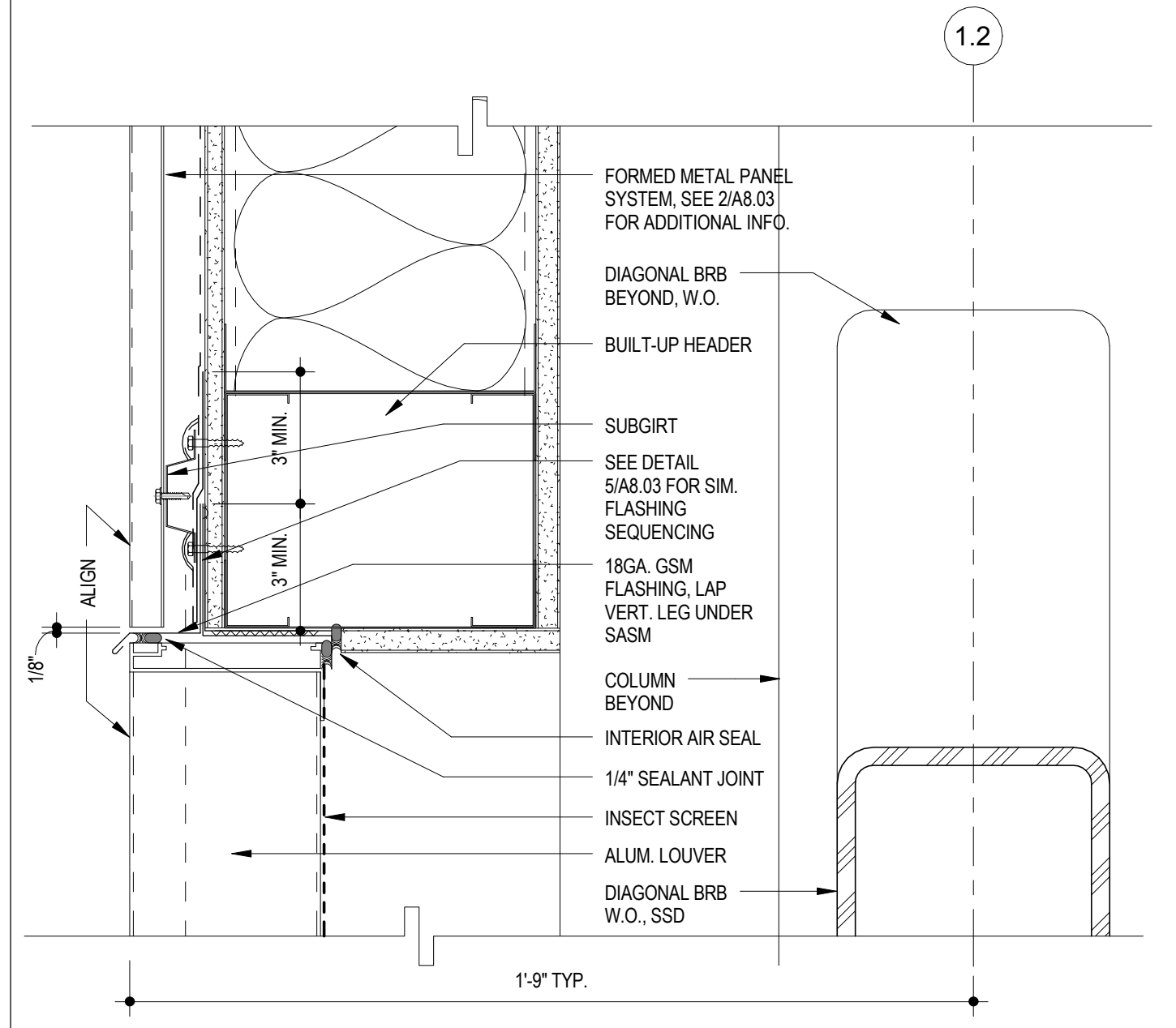
A8.02
REVISION B SEQUENCE NUMBER



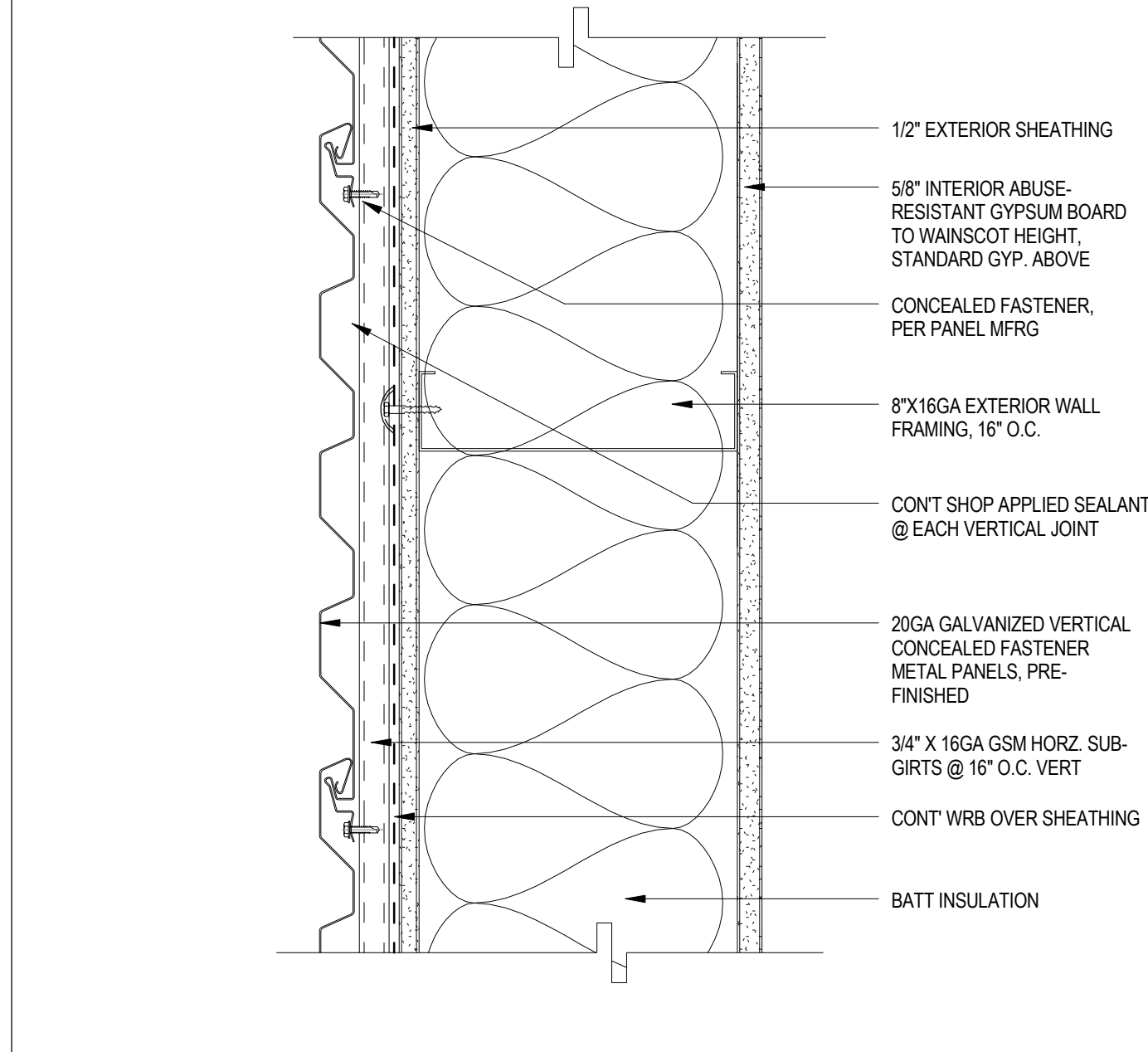
PROJECT LOCATION Key Map



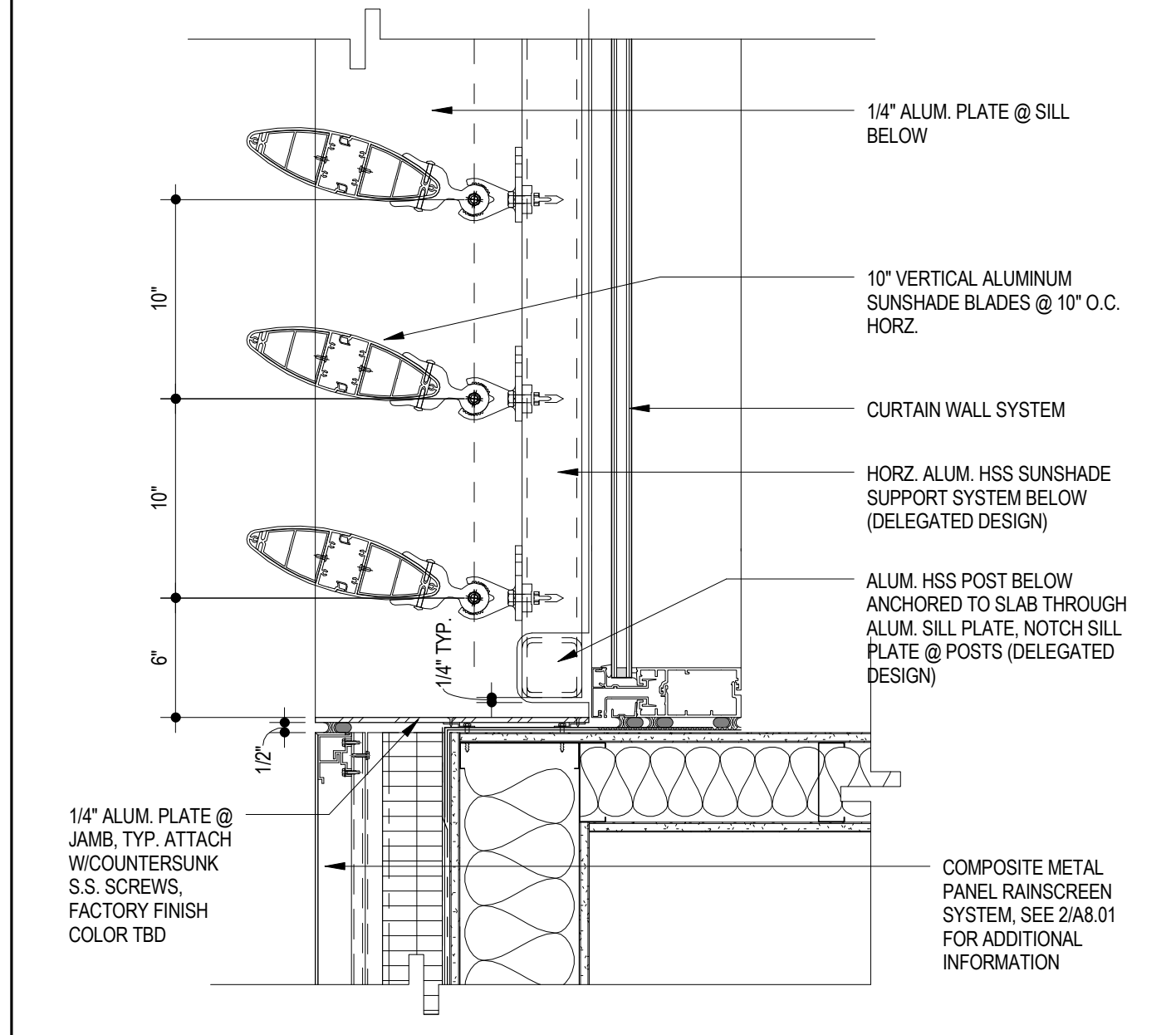
METAL PANEL WALL PARAPET 3
RE: 1/ A3.06 3" = 1'-0"



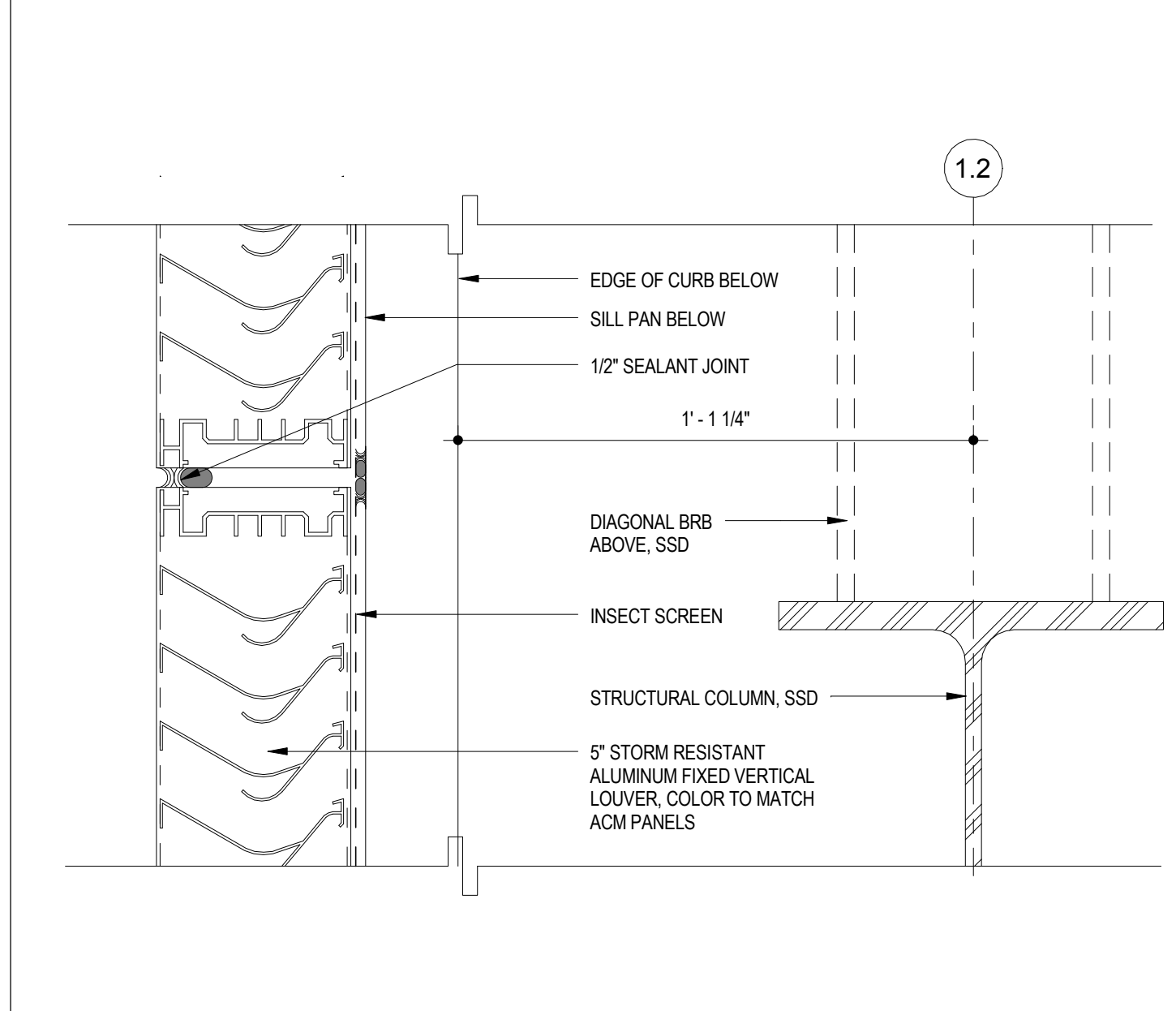
METAL PANEL WALL LOUVER SILL, JAMB 5
RE: 1/ A3.06 3" = 1'-0"



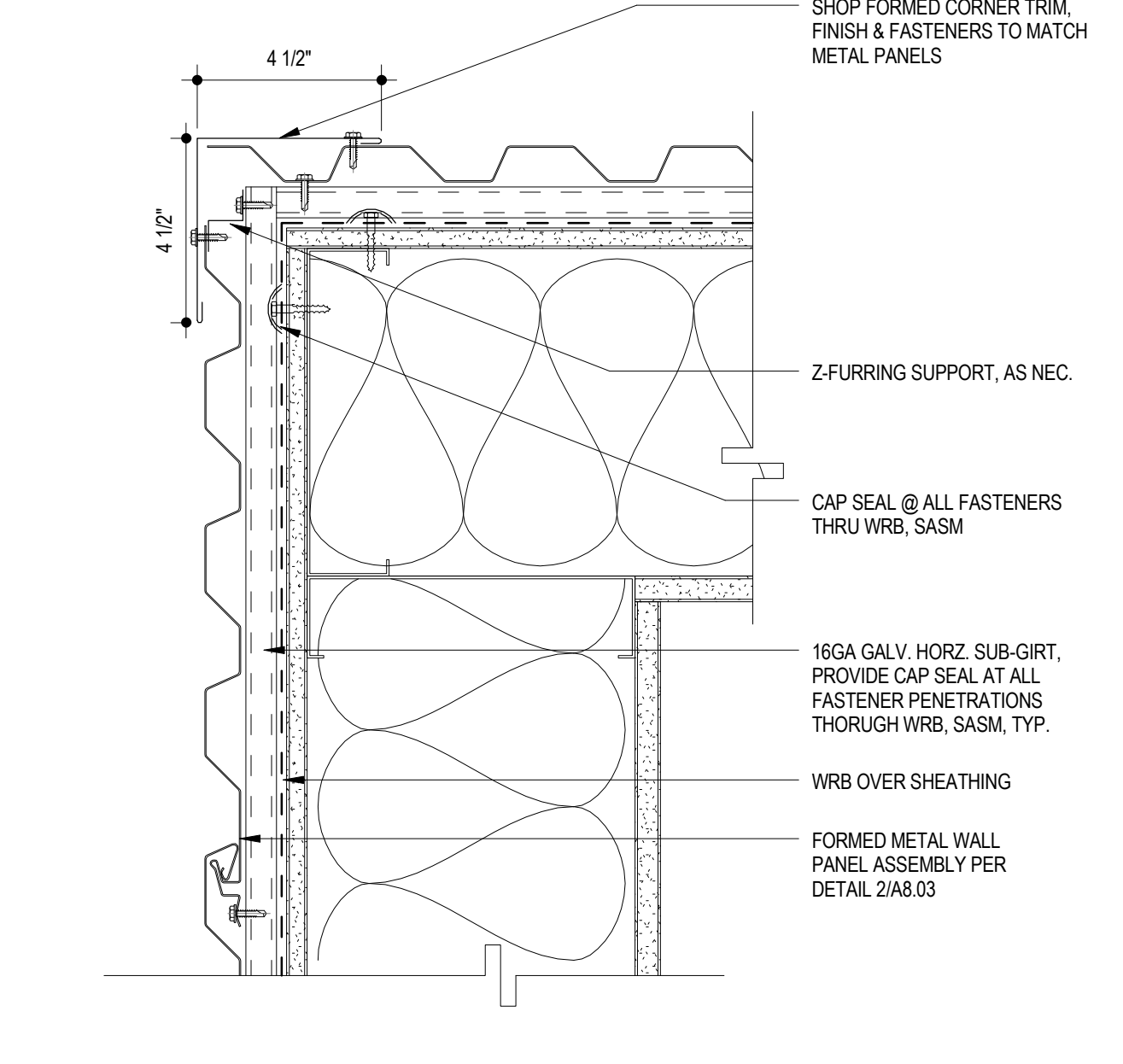
METAL PANEL VERT. JOINT (PLAN) 2
RE: 2/ A3.06 3" = 1'-0"



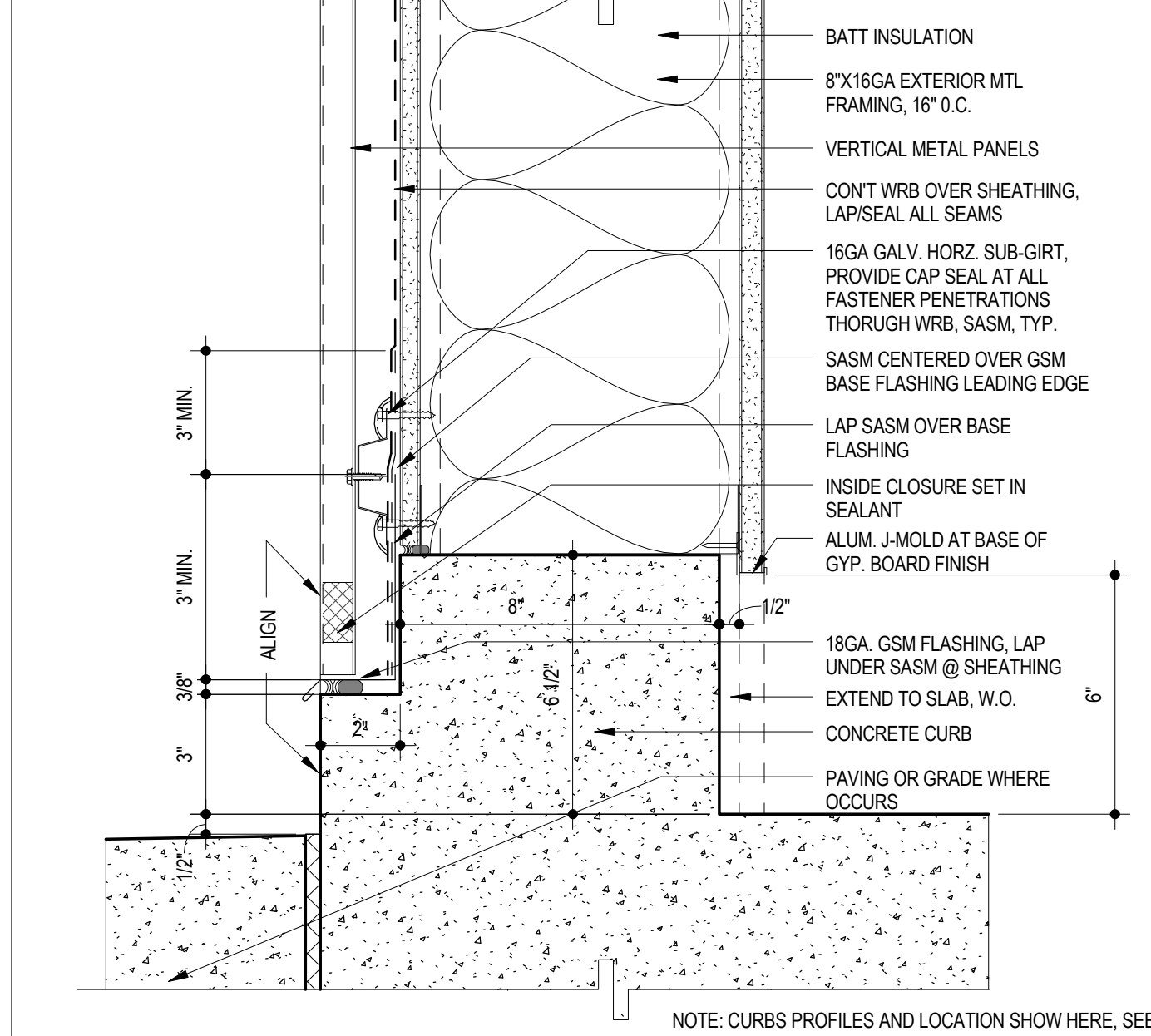
SUNSHADE JAMB 10
RE: 2/ A3.02 1 1/2" = 1'-0"



MTL PANEL WALL LOUVER JAMB @ JOINT 7
RE: 11/ A4.03 3" = 1'-0"



METAL PANEL CORNER (PLAN) 4
RE: 2/ A3.01 3" = 1'-0"



METAL PANEL WALL SILL 1
RE: 1/ A3.06 3" = 1'-0"

REVISIONS	
NO.	DATE
A	12/15/15
B	01/18/16

CONTRACT NO. 10050.71

PROJECT TITLE SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

SHEET TITLE EXTERIOR DETAILS

ISSUED FOR PERMIT 12/15/15

ISSUED FOR PERMIT 01/18/16



APPROVED: DEPUTY AIRPORT DIRECTOR

APPROVED: PRINCIPAL ARCHITECT

DESIGNED BY: Designer

DRAWN BY: Author

SCALE: AS SHOWN

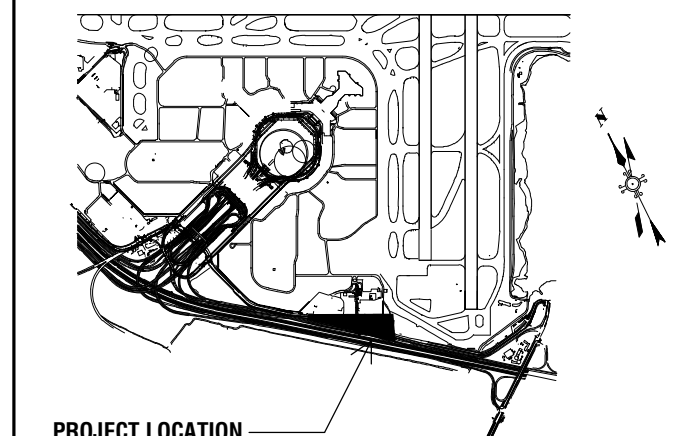
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CHECKED BY: DATE: 01/18/16

SIZE: ARCH-D

A8.03

REVISION B SEQUENCE NUMBER OF



PROJECT LOCATION

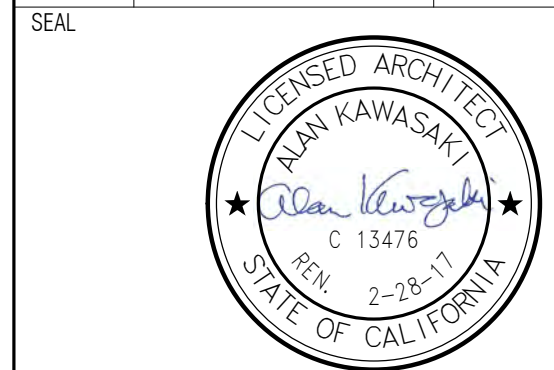
Key Map

NO.	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
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10050.71

SFO FH3 & SOUTH FIELD
CHECKPOINT RELOCATION
PHASE 4

EXTERIOR DETAILS

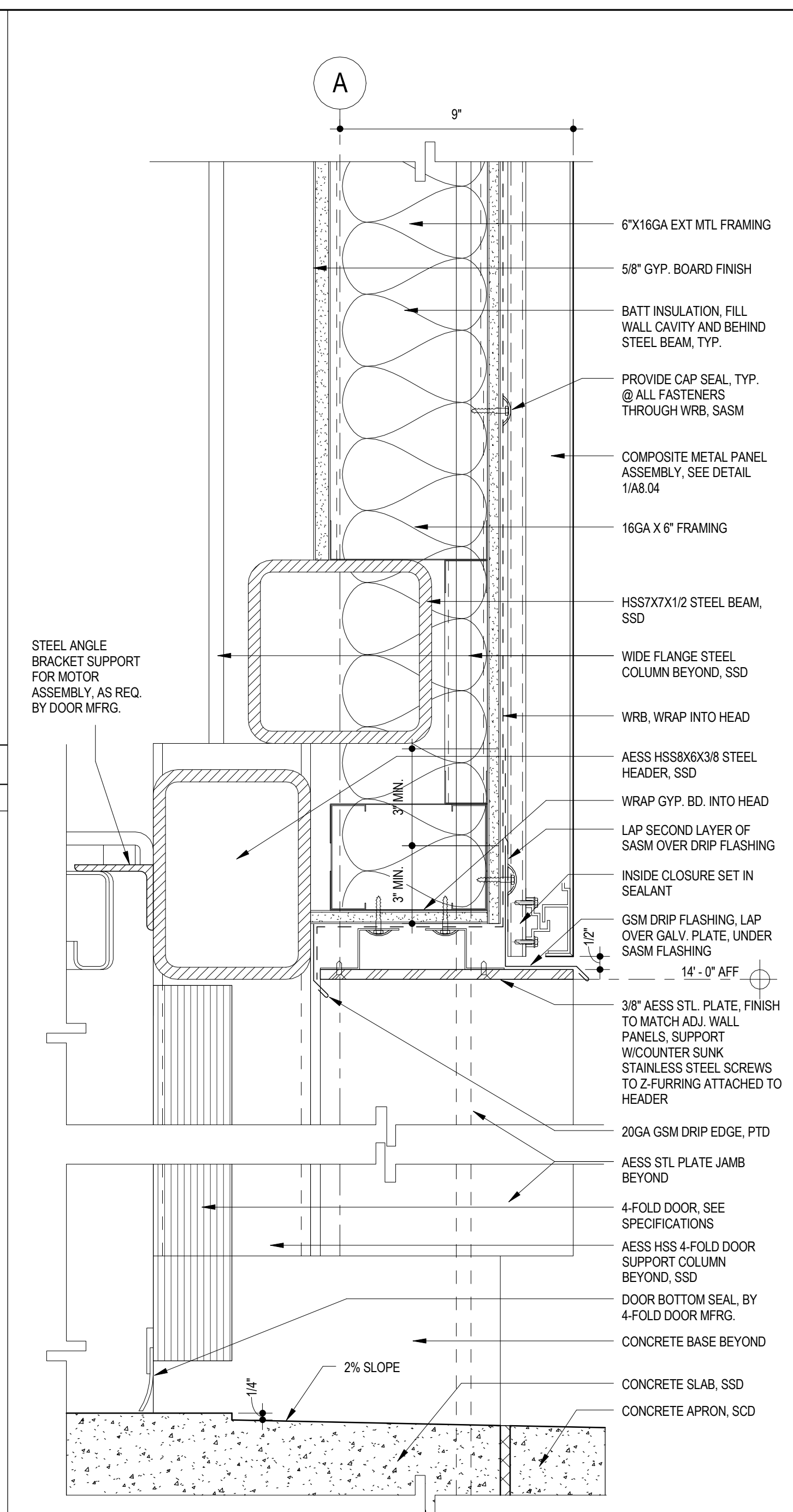


APPROVED: DEPUTY AIRPORT DIRECTOR
APPROVED: PRINCIPAL ARCHITECT
DESIGNED BY: Designer
DRAWN BY: Author
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SHEET NUMBER

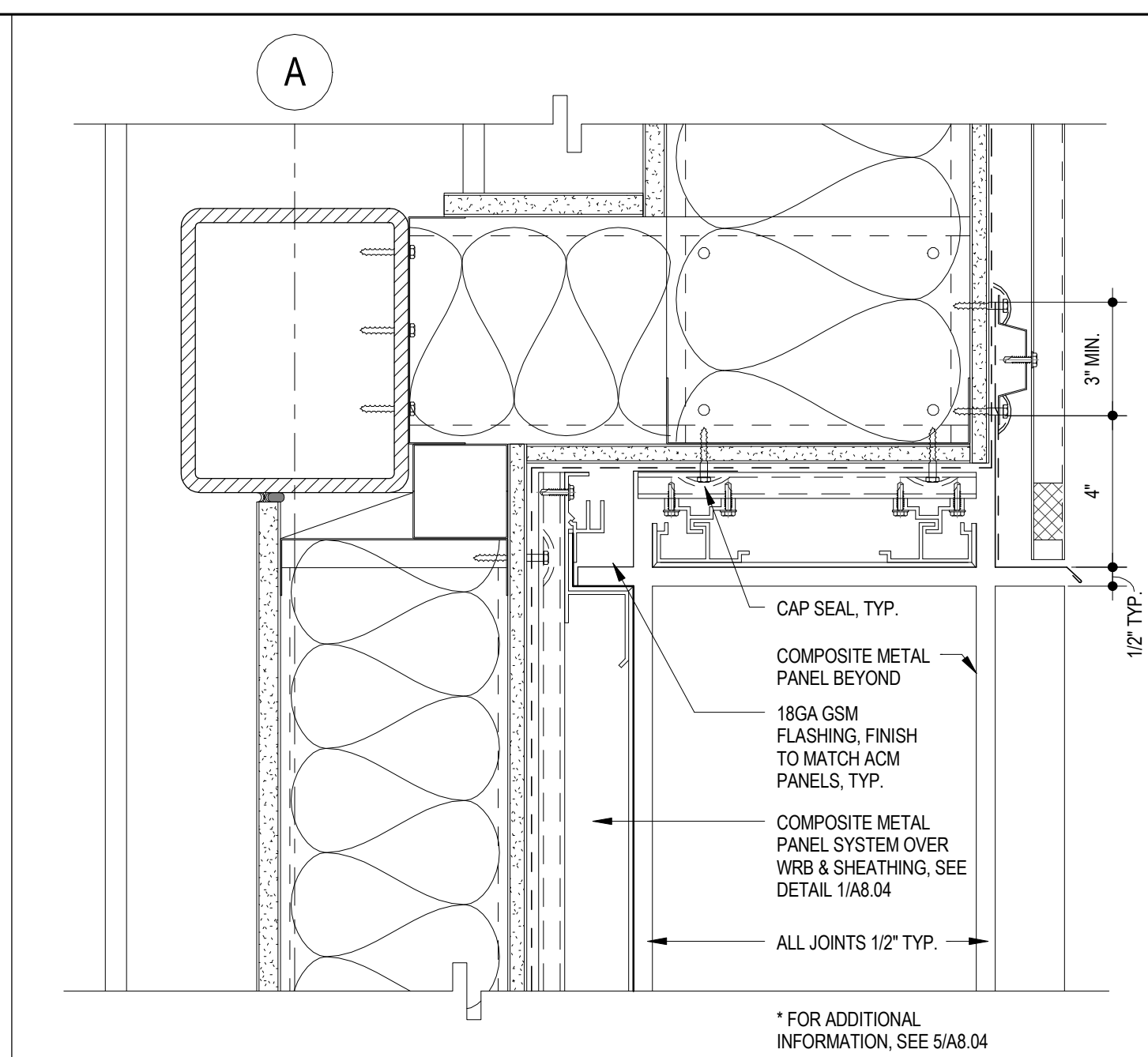
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DATE: 01/18/16
SIZE: ARCH-D

A8.04

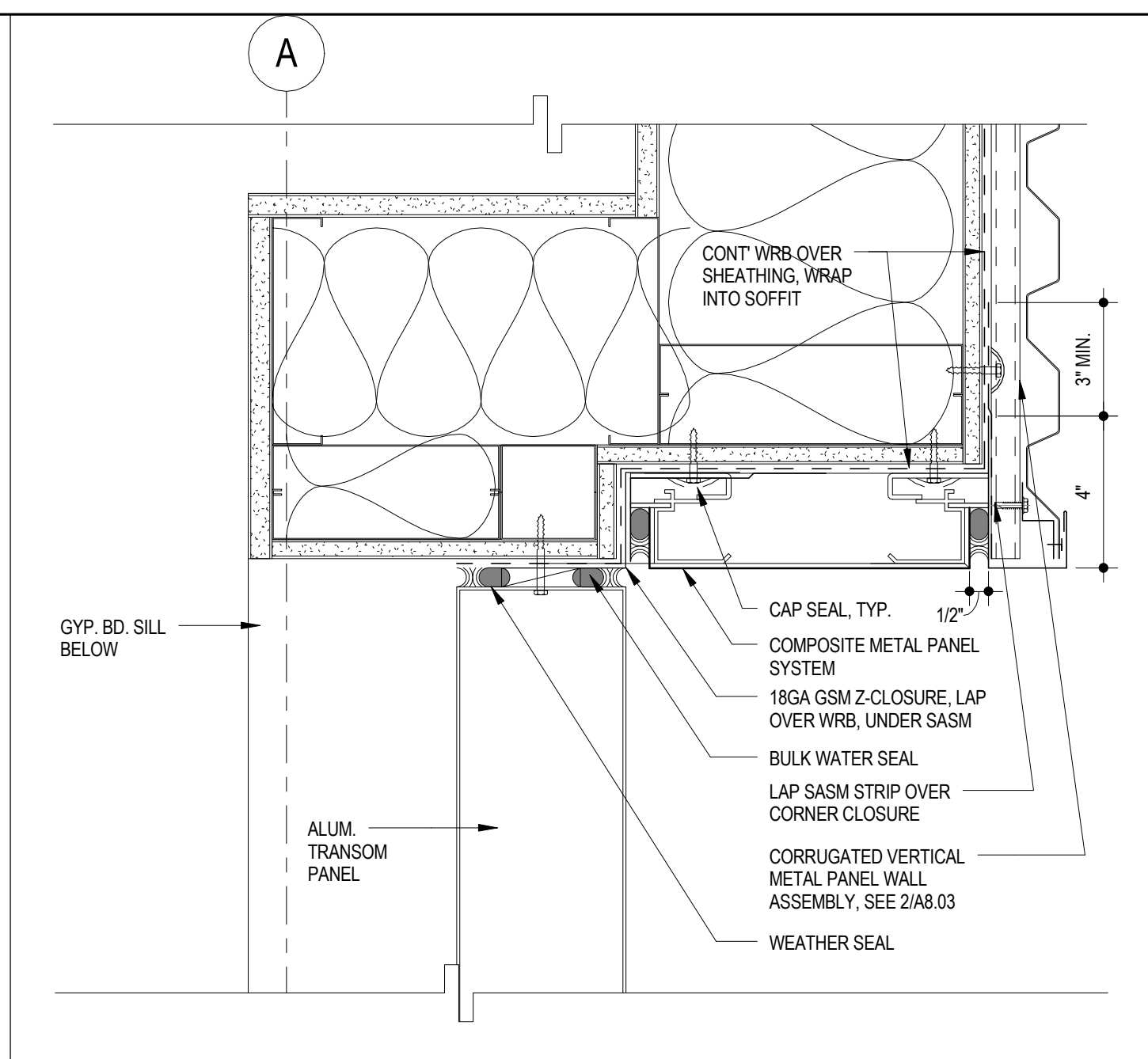
REVISION	SEQUENCE NUMBER
B	OF



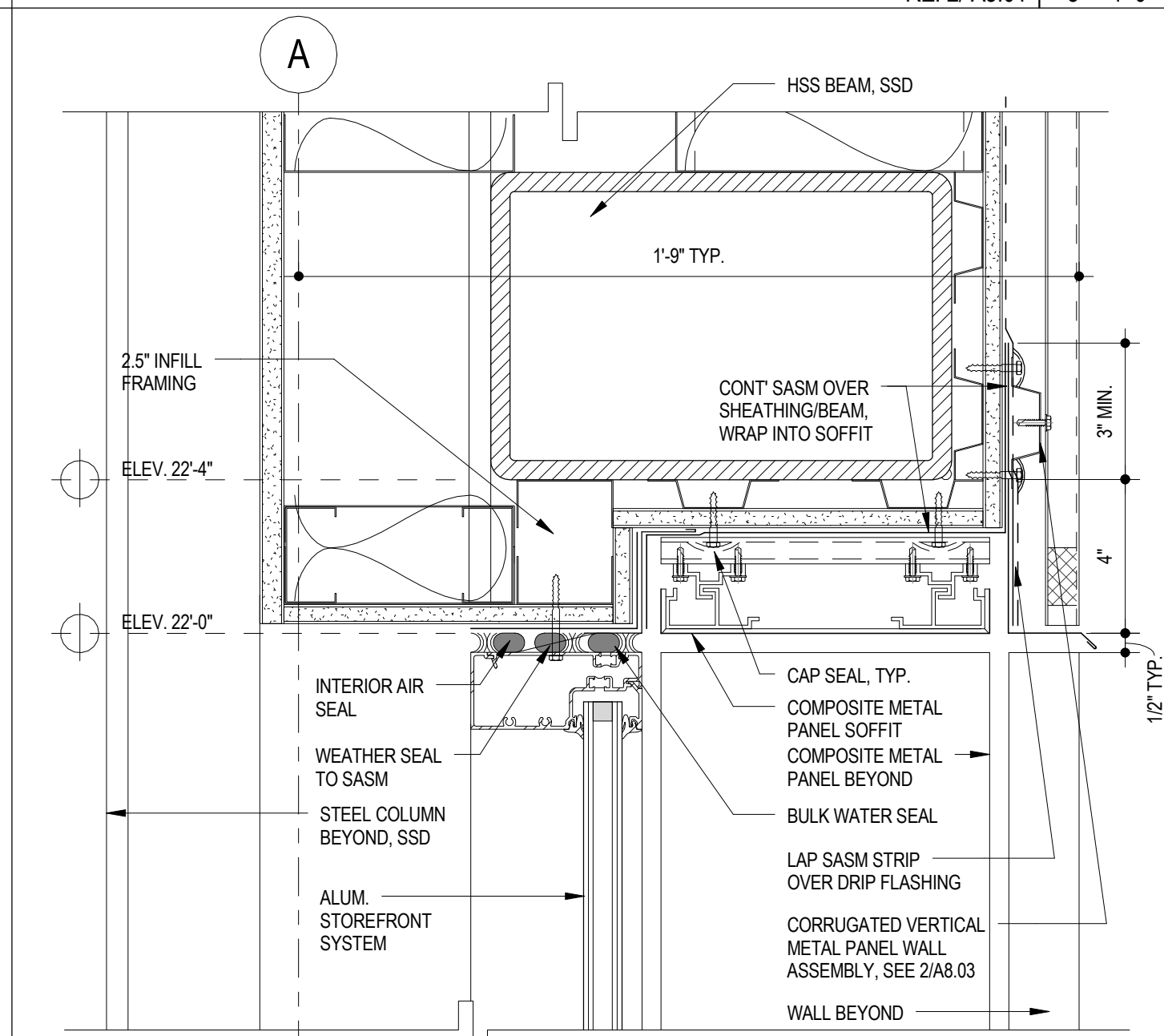
APPARATUS BAY DOOR HEAD/SILL 2
RE: 2/ A3.06 3' = 1'-0"



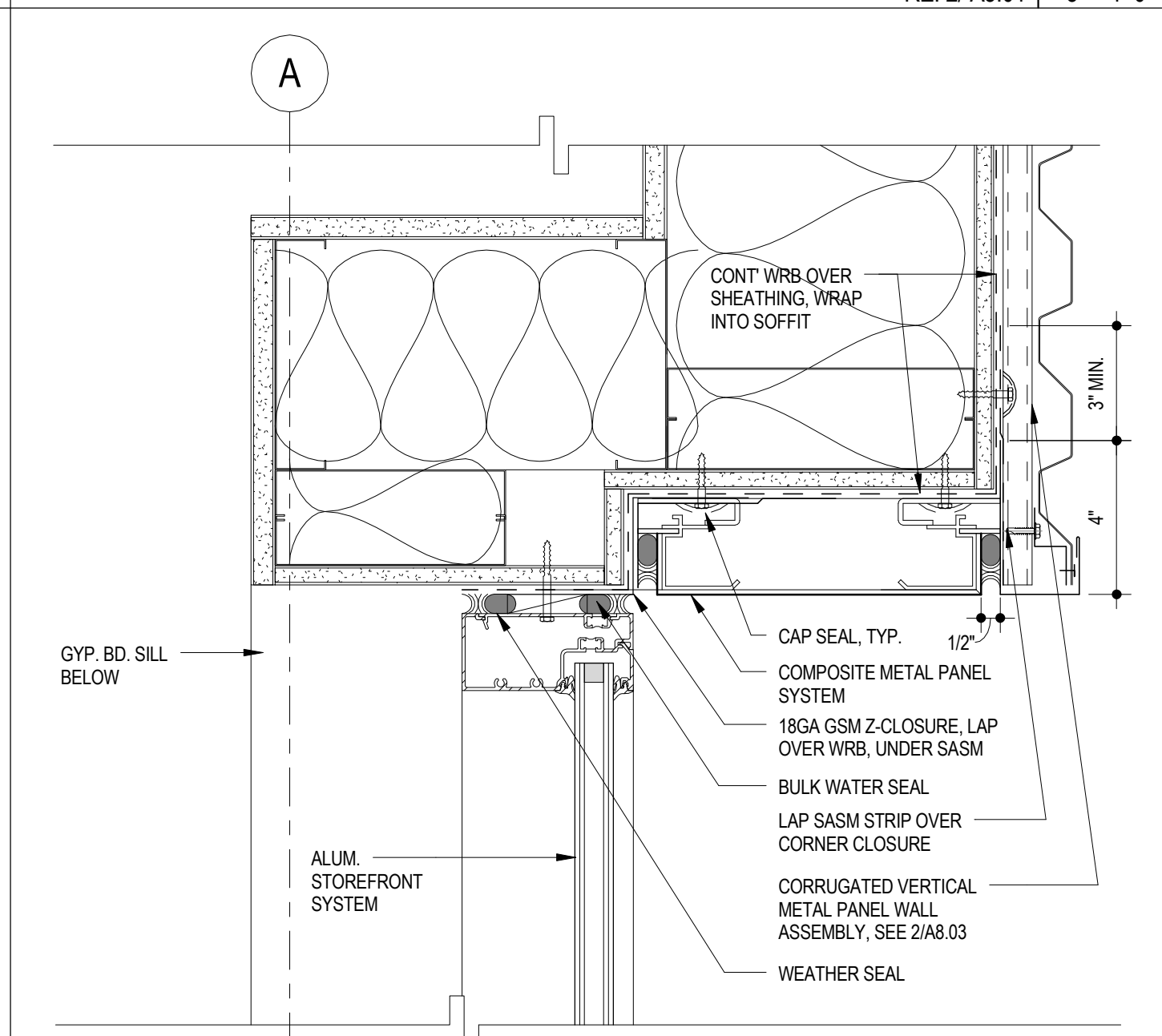
APPARATUS BAY SOFFIT @ SOLID PANEL 6
RE: 2/ A3.01 3' = 1'-0"



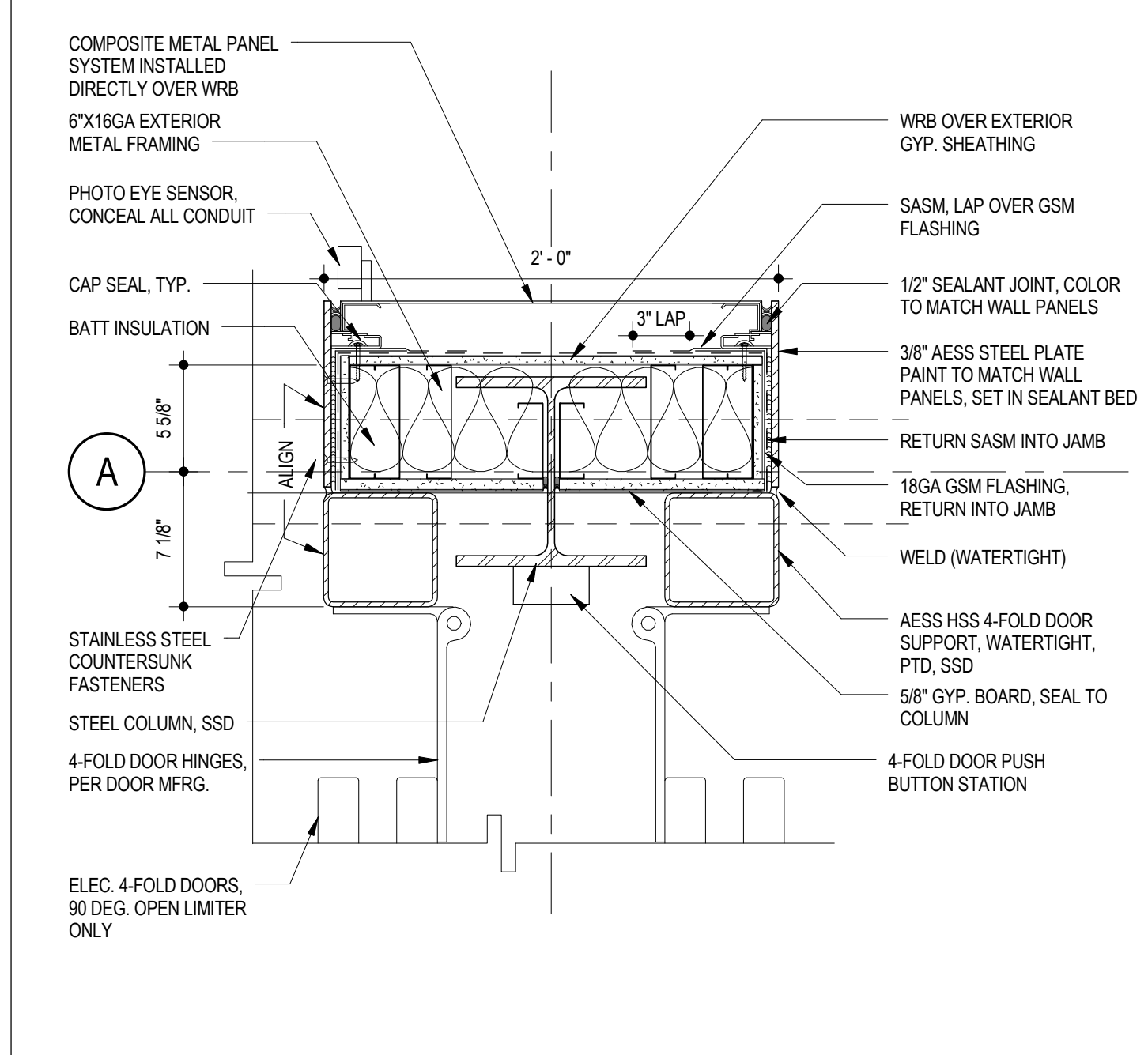
APPARATUS BAY SOFFIT @ TRANSOM JAMB 9
RE: 2/ A3.01 3' = 1'-0"



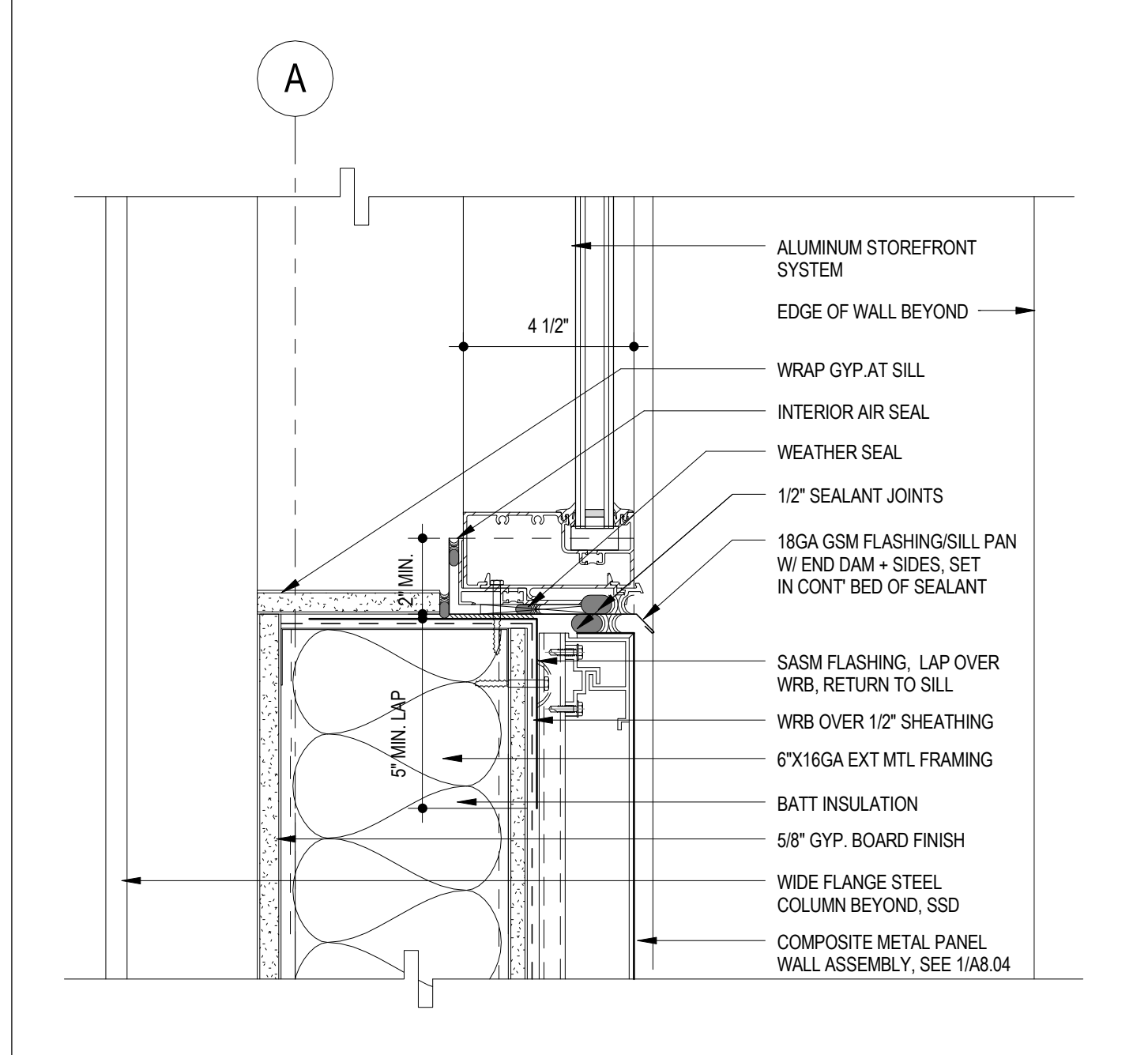
APPARATUS BAY SOFFIT @ STOREFRONT 5
RE: 2/ A3.06 3' = 1'-0"



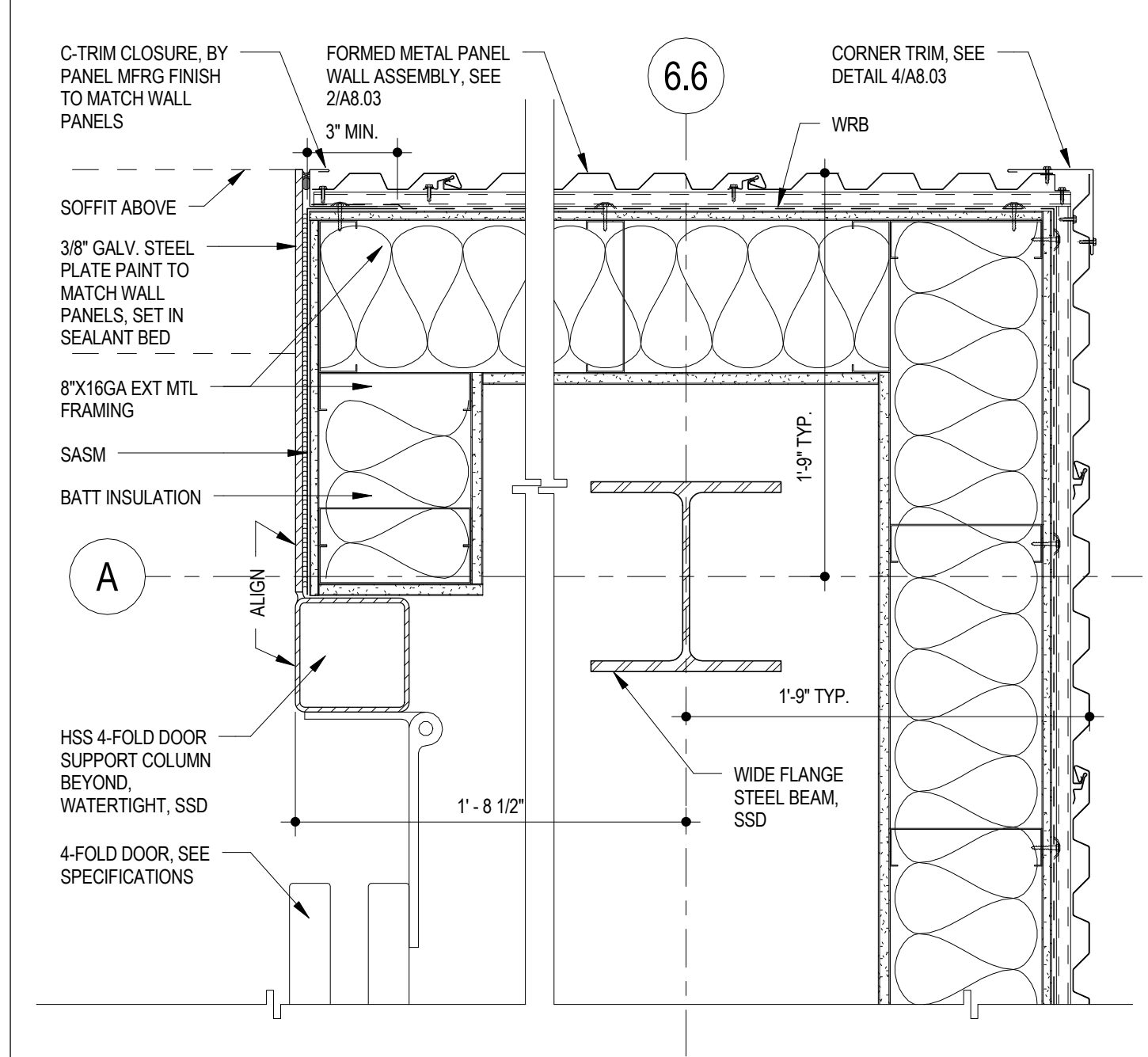
APPARATUS BAY SOFFIT @ STOREFRONT JAMB 8
RE: 2/ A3.01 3' = 1'-0"



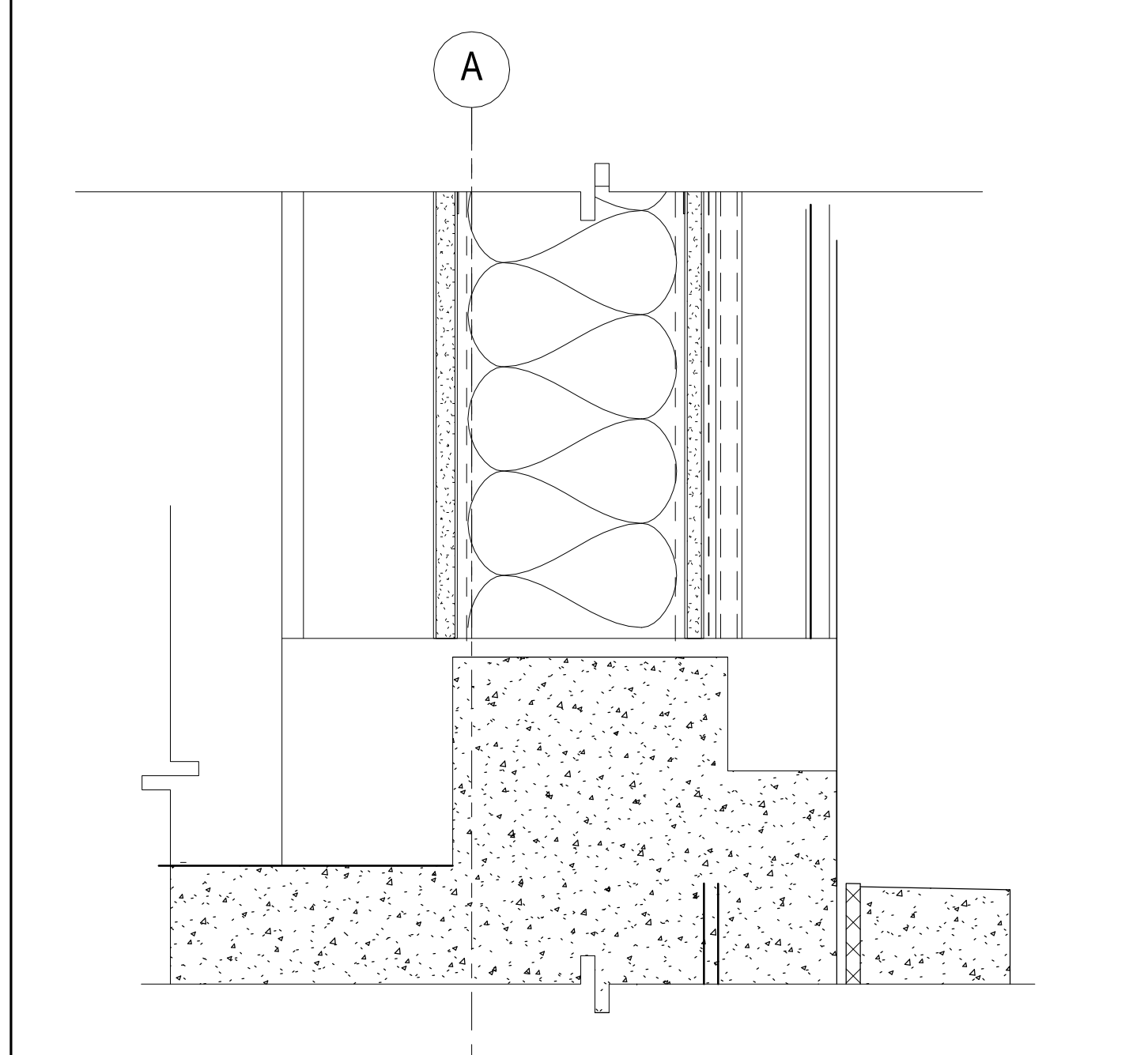
APPARATUS BAY FOUR FOLD DOOR JAMB 1
RE: 1/ A2.01 1 1/2" = 1'-0"



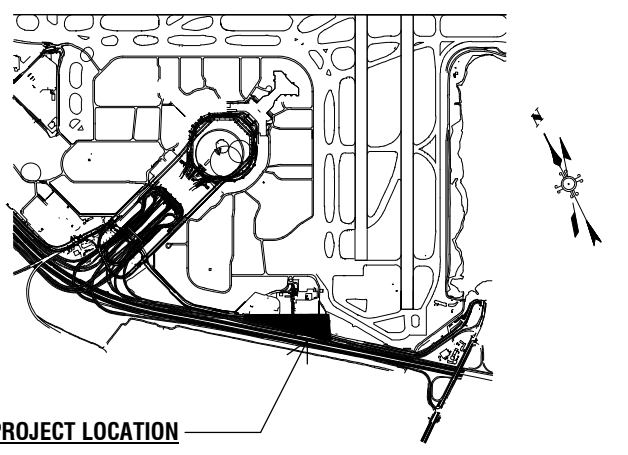
APPARATUS BAY STOREFRONT SILL 4
RE: 2/ A3.06 3' = 1'-0"



APPARATUS BAY CORNER (PLAN) 7
RE: 1/ A2.01 1 1/2" = 1'-0"



APPARATUS BAY BASE @ SOLID PANEL 10
RE: 2/ A3.01 3' = 1'-0"



PROJECT LOCATION

Key Map

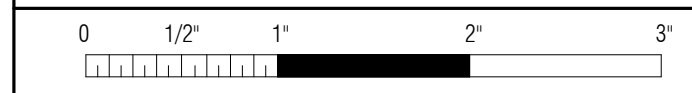
NO.	DATE	ISSUED FOR PERMIT	ISSUE DESCRIPTION
A	12/15/16	ISSUED FOR PERMIT	
B	01/18/16	ISSUED FOR PERMIT	

10050.71

SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

EXTERIOR WINDOW & DOOR DETAILS

CONTRACT NO. PROJECT TITLE SHEET TITLE



APPROVED: DEPUTY AIRPORT DIRECTOR

APPROVED: PRINCIPAL ARCHITECT

DESIGNED BY: Designer DATE: 01/18/16

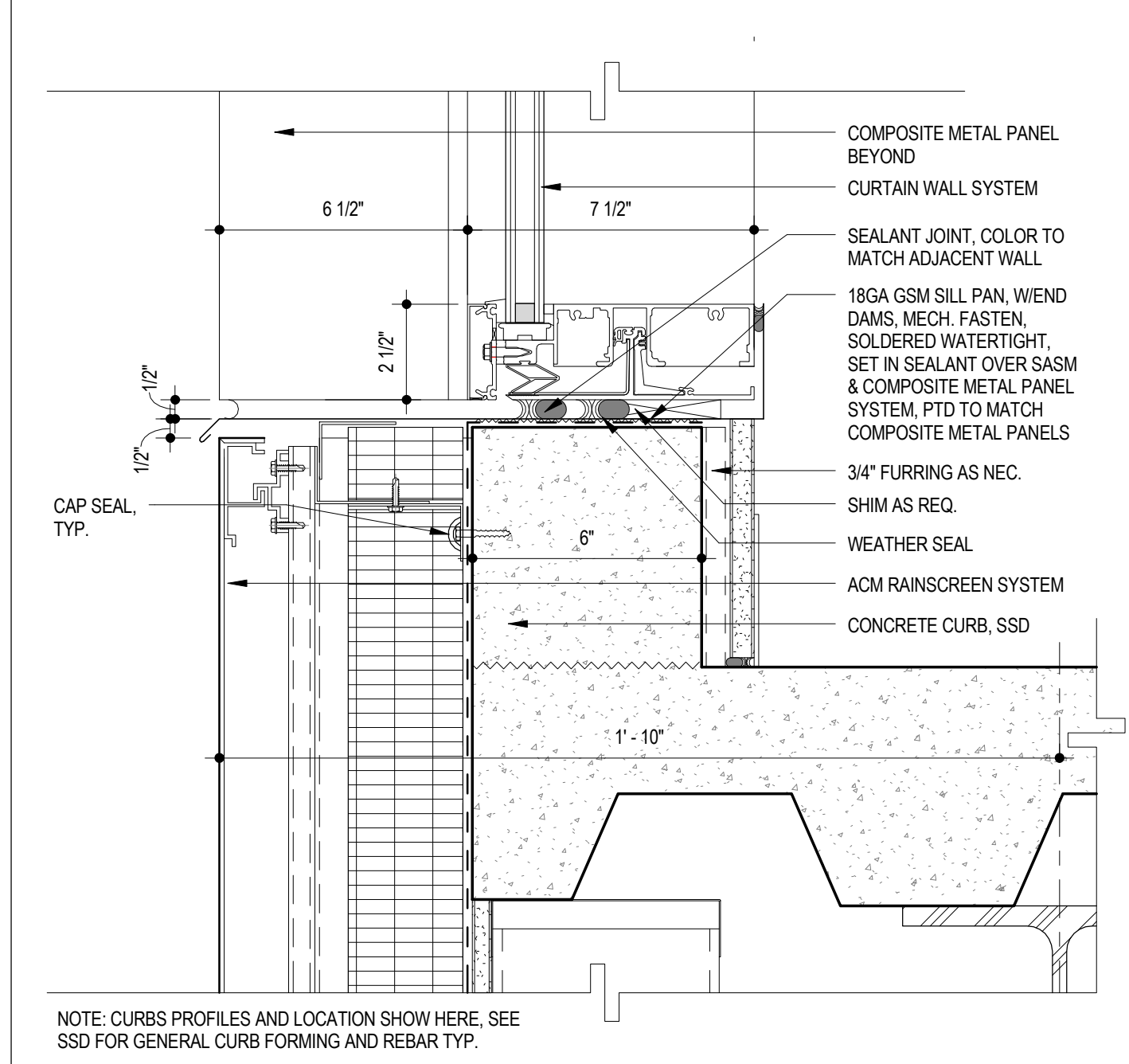
DRAWN BY: Author DATE: 01/18/16

SCALE: AS SHOWN SIZE: ARCH-D

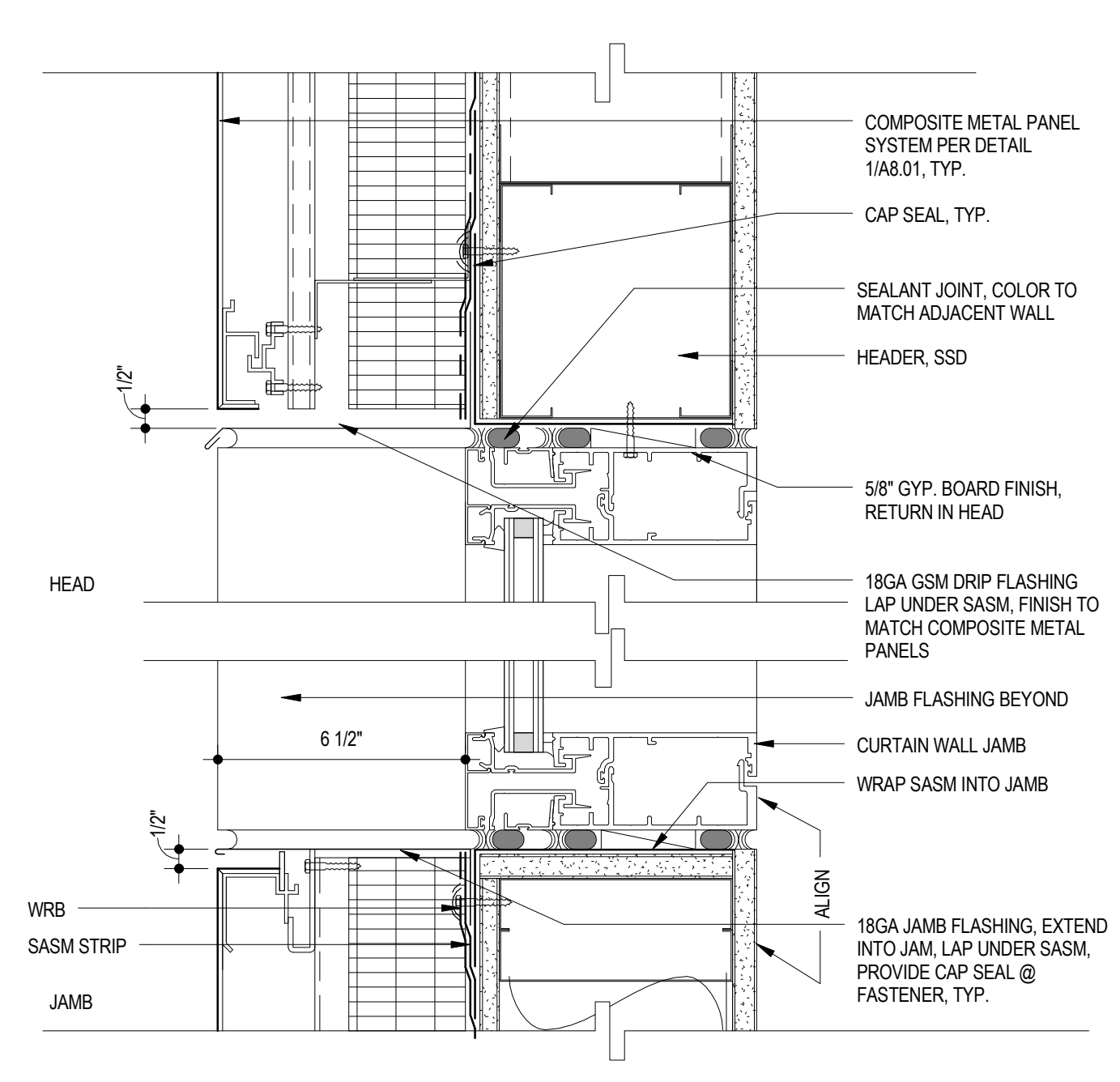
SHEET NUMBER

A8.05

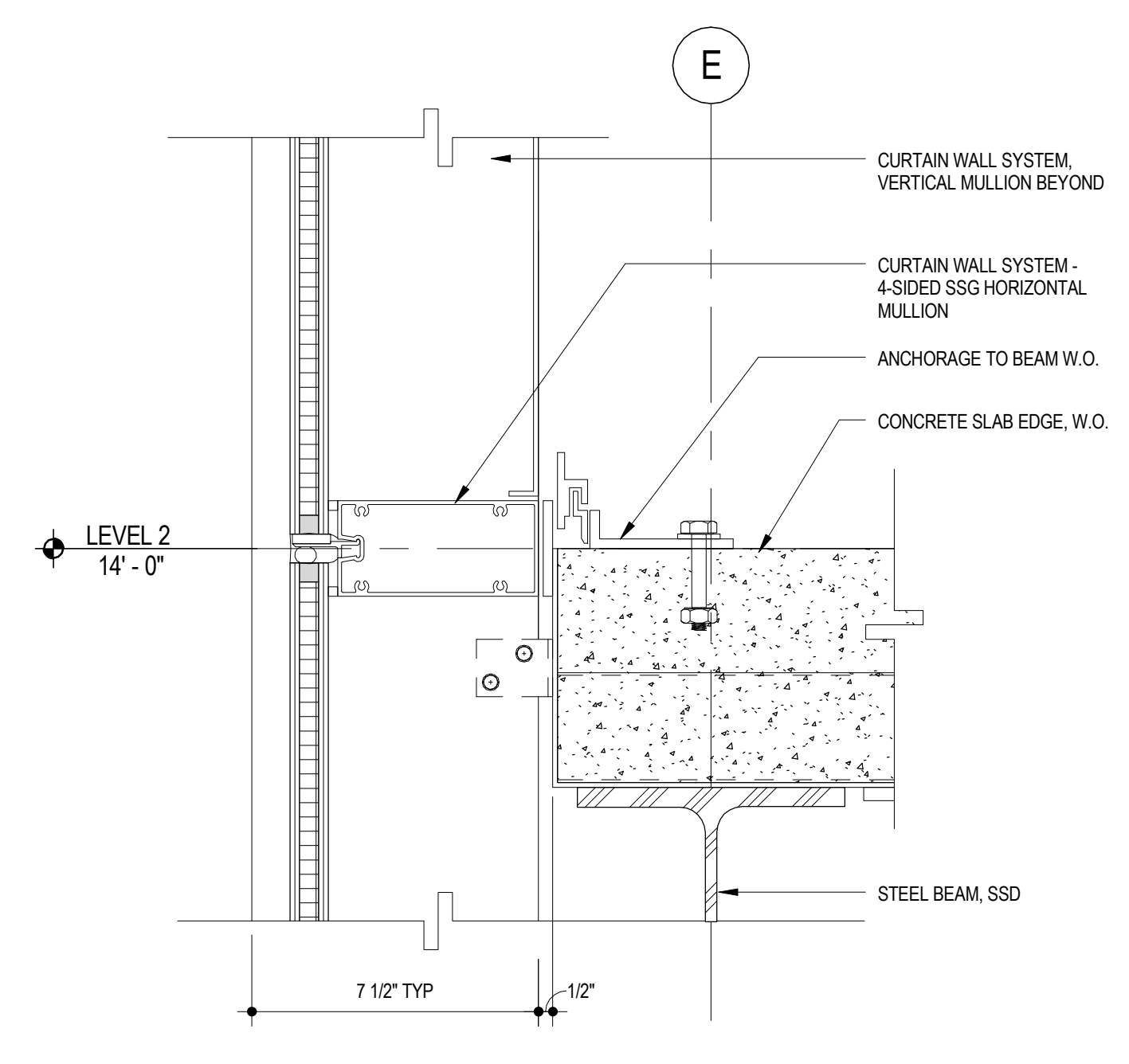
REVISION	SEQUENCE NUMBER
B	OF



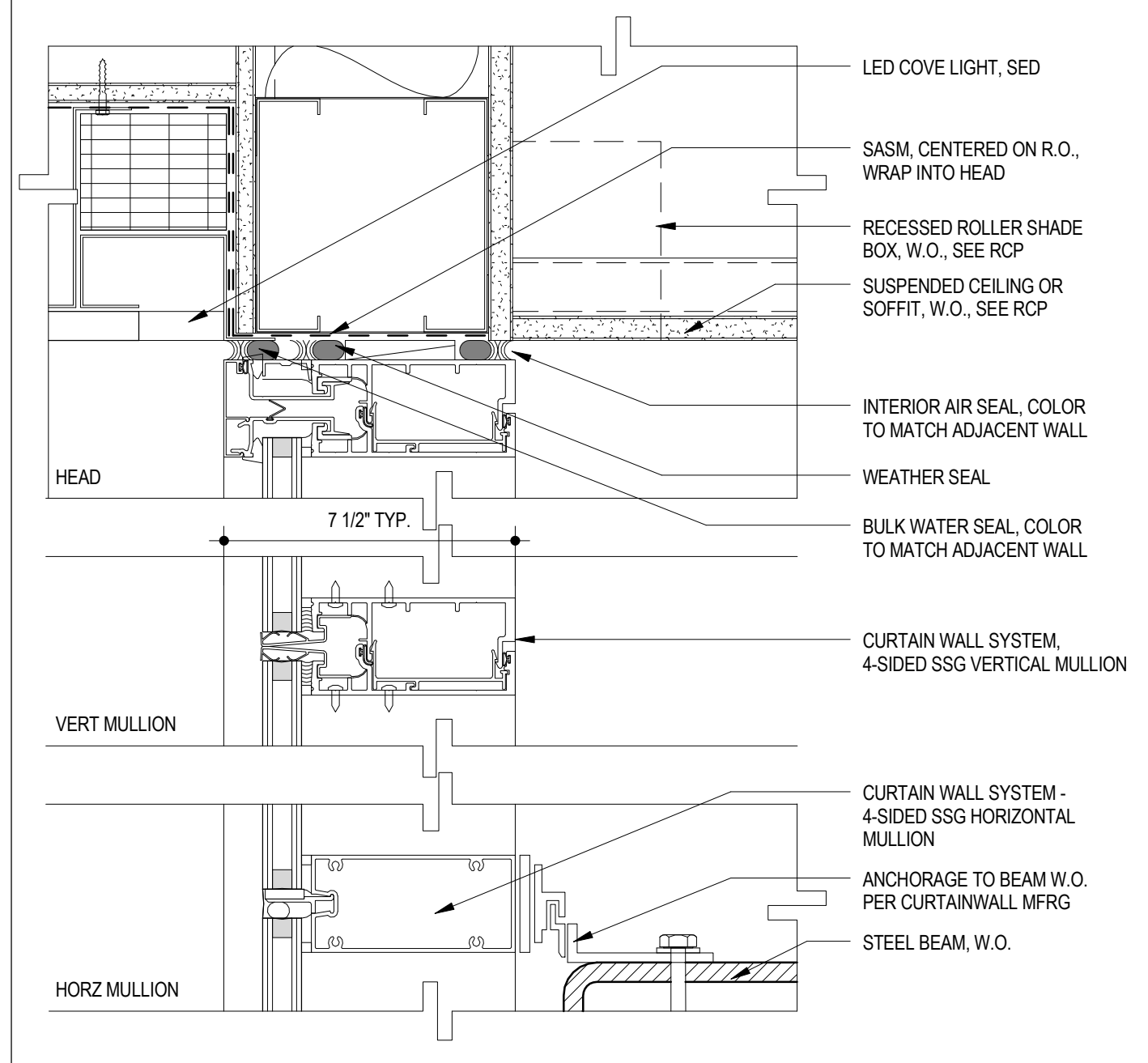
CURTAIN WALL SILL @ INSET RAINSCREEN 3 RE: 6/ A4.03 3' = 1'-0"



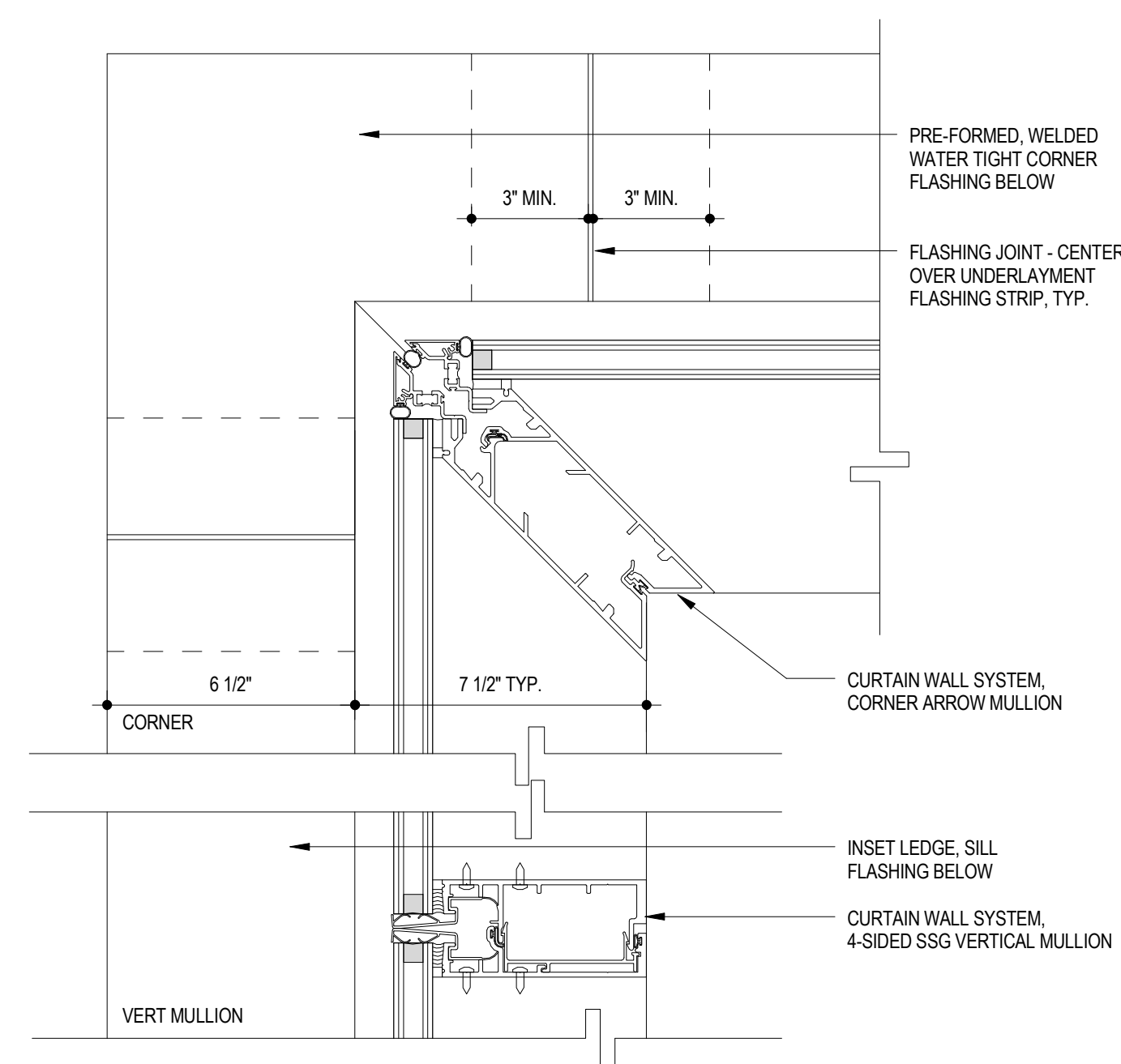
CURTAIN WALL HEAD/JAMB @ INSET RAINSCREEN 6 RE: 6/ A4.03 3' = 1'-0"



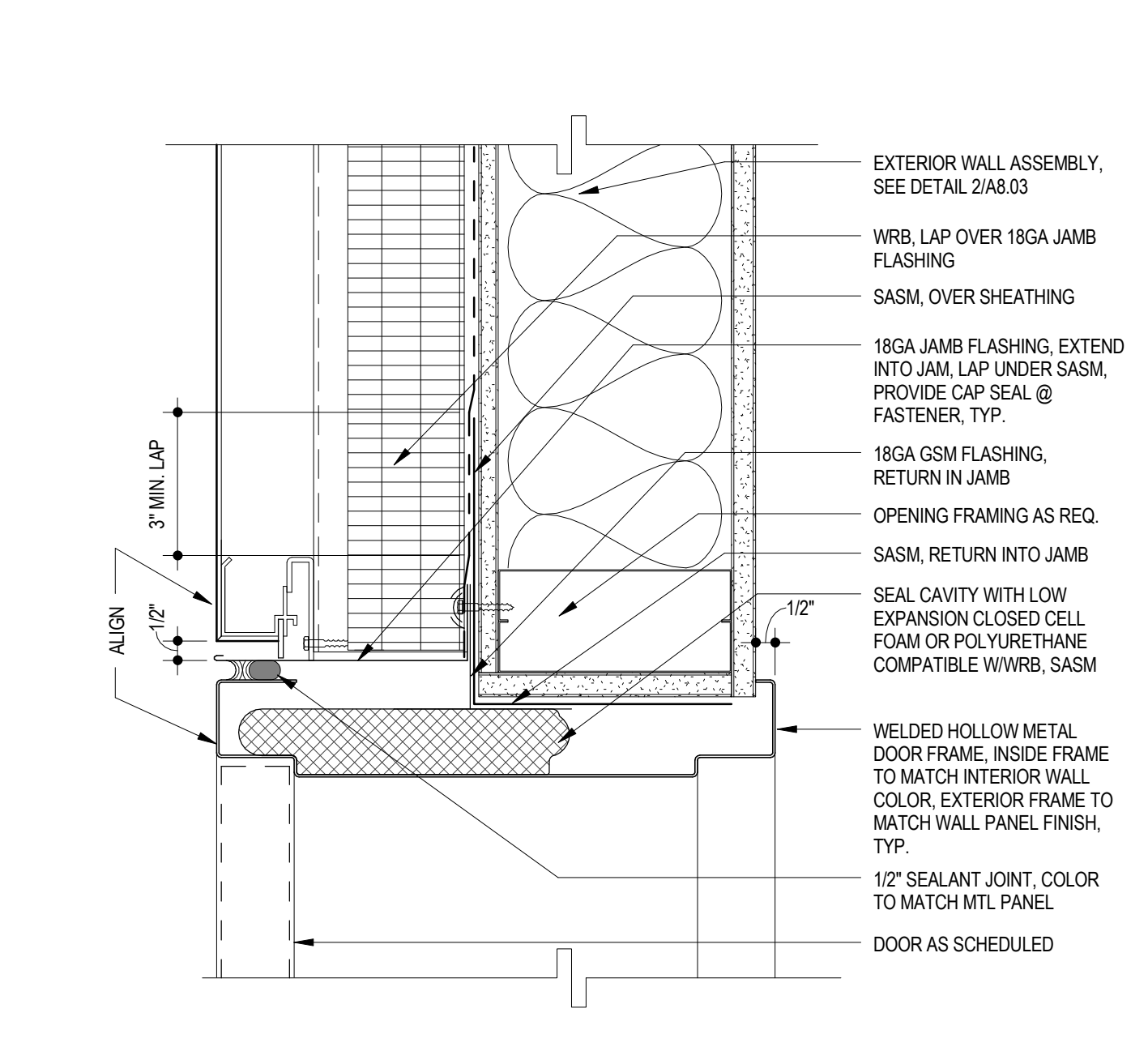
CURTAIN WALL @ SLAB DETAIL 9 RE: 2/ A4.03 3' = 1'-0"



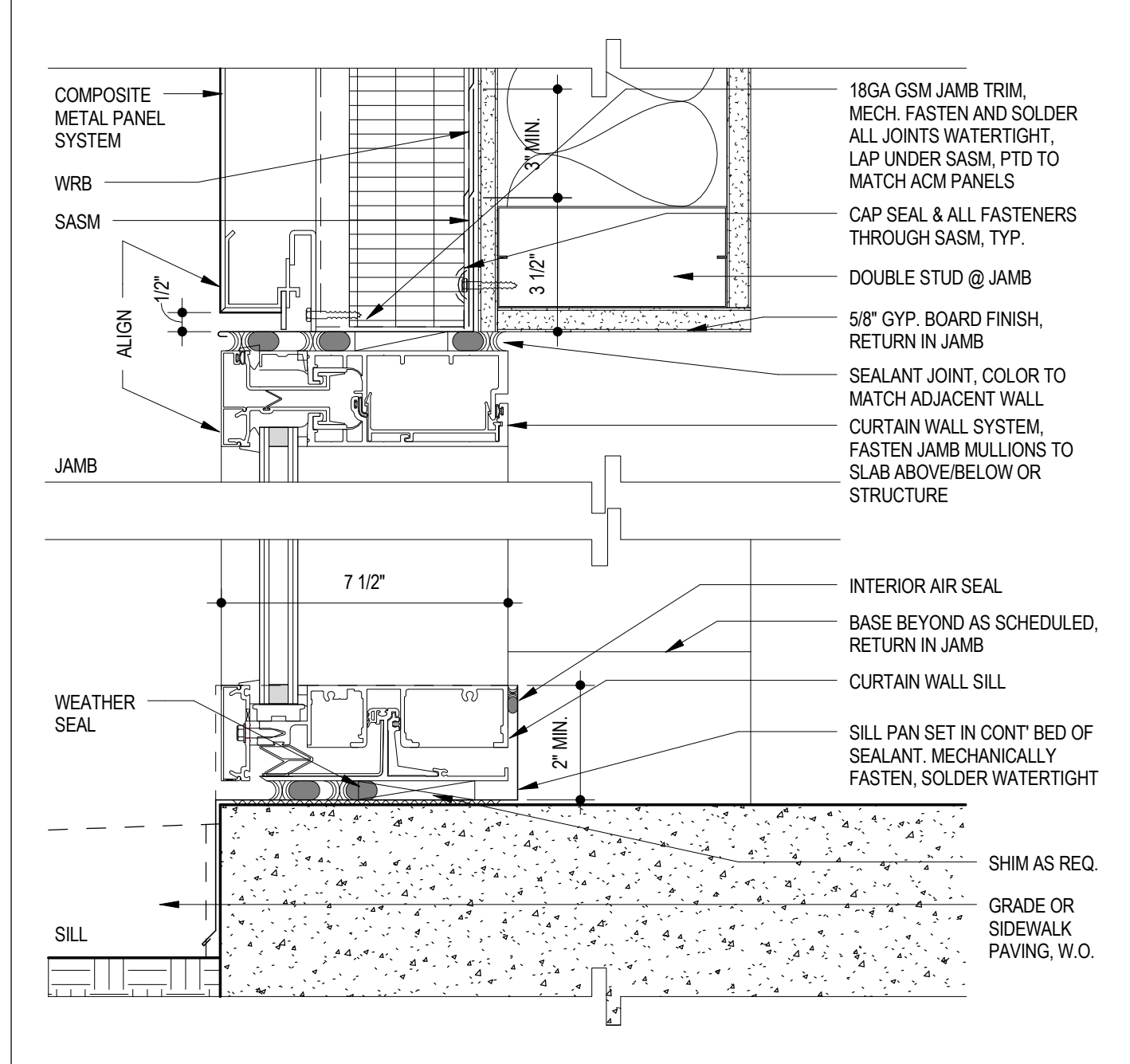
CURTAIN WALL HEAD/MULLION @ FLUSH RAINSCREEN 2 RE: 1/ A4.03 3' = 1'-0"



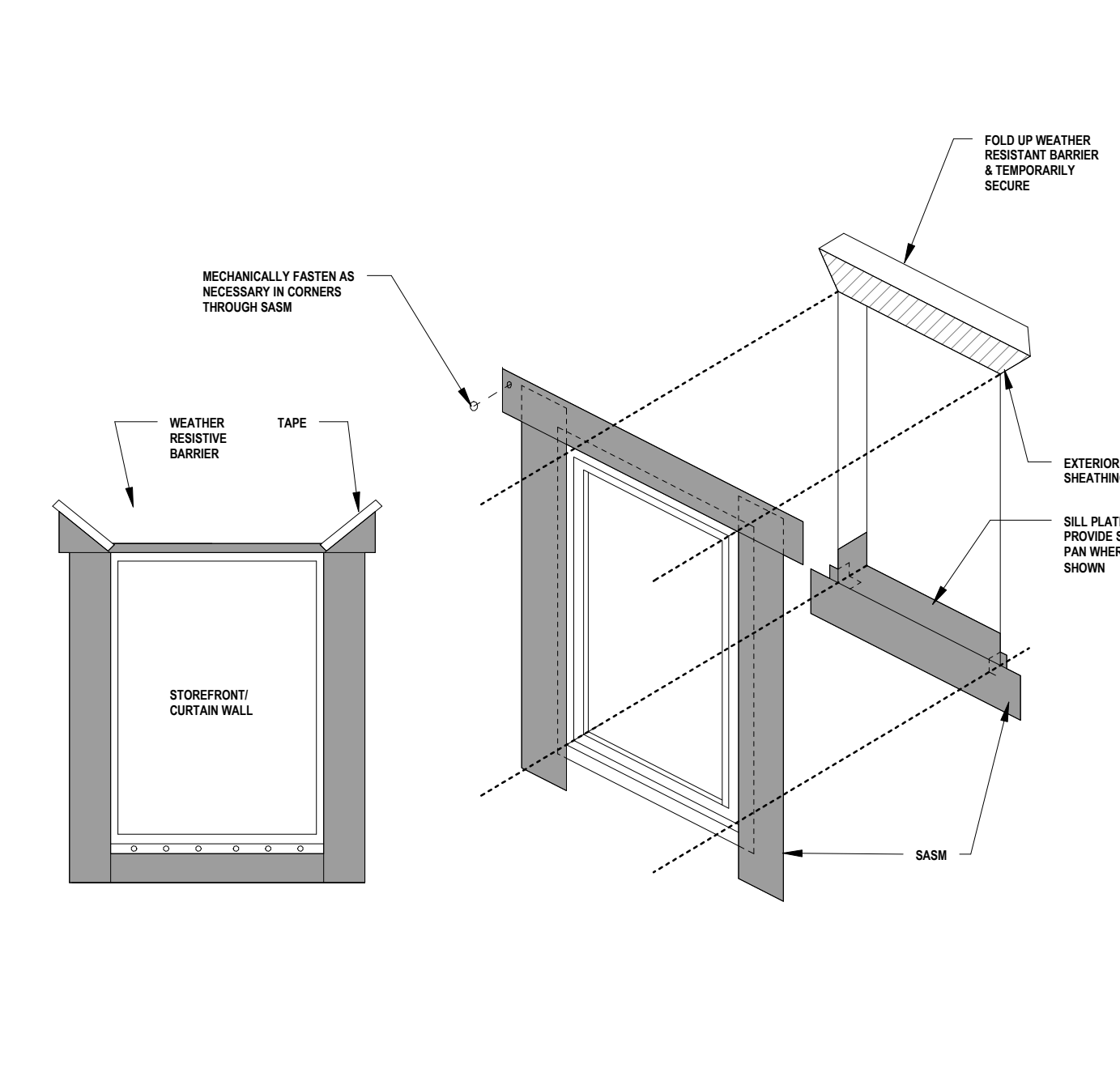
CURTAIN WALL CORNER & VERTICAL MULLION 5 RE: 7/ A4.03 3' = 1'-0"



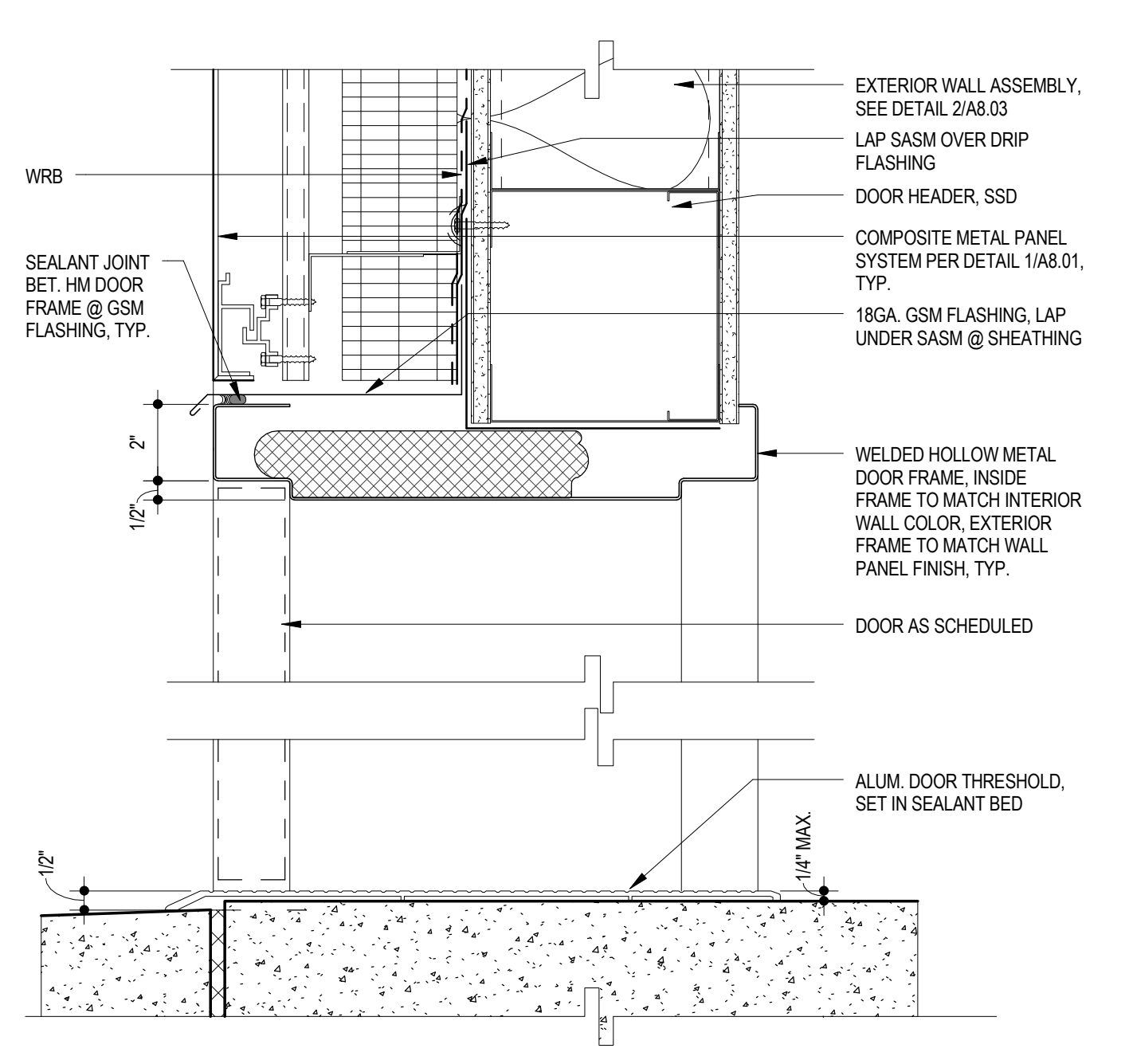
EXTERIOR DOOR JAMB @ RAINSCREEN 8 3' = 1'-0"



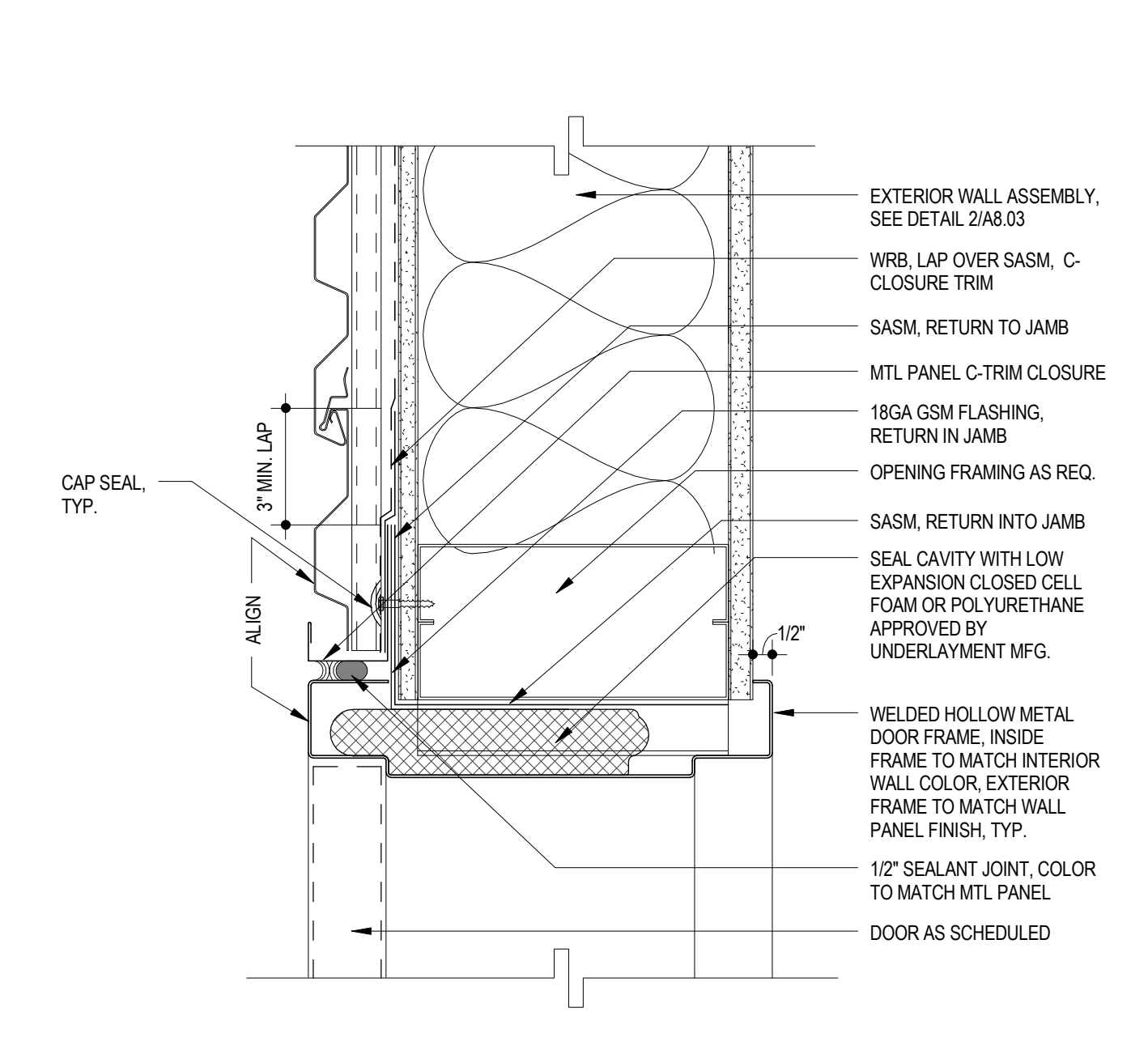
CURTAIN WALL SILL/JAMB @ FLUSH RAINSCREEN 1 RE: 1/ A4.03 3' = 1'-0"



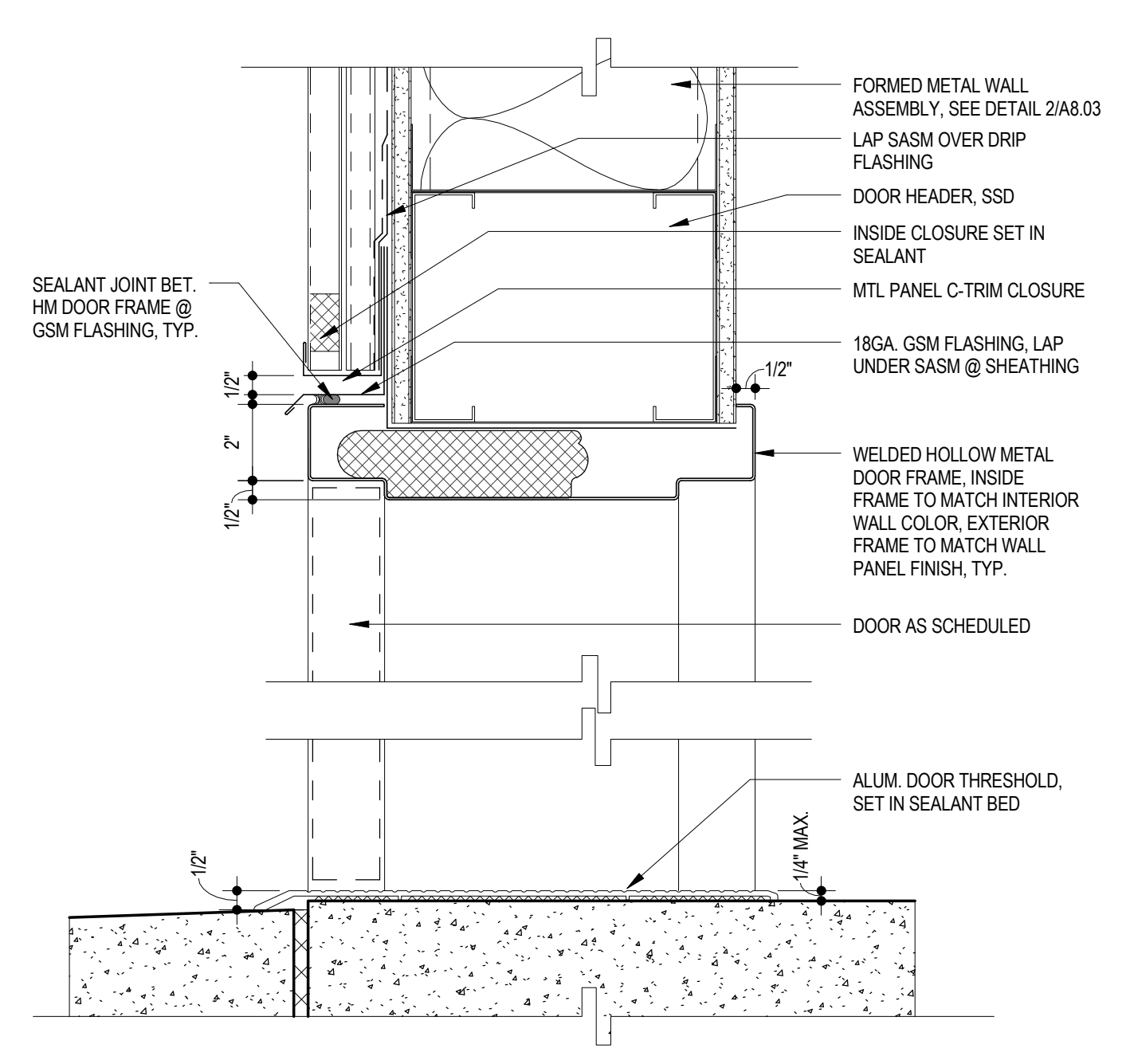
WINDOW/DOOR SASM FLASHING DETAIL 4 3' = 1'-0"



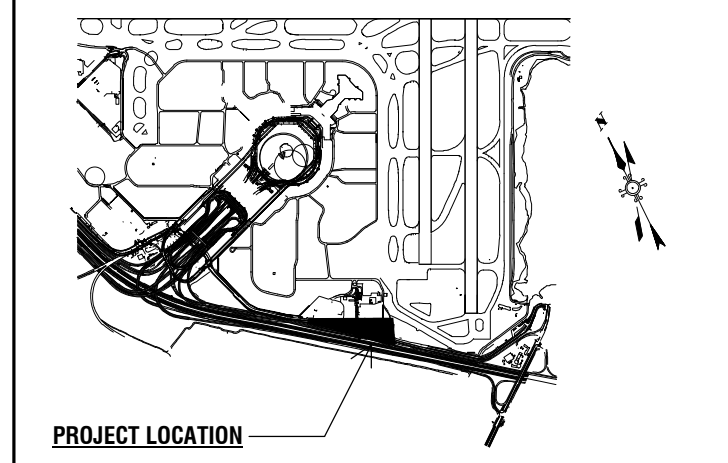
EXT. DOOR HEAD/SILL @ RAINSCREEN 7 3' = 1'-0"



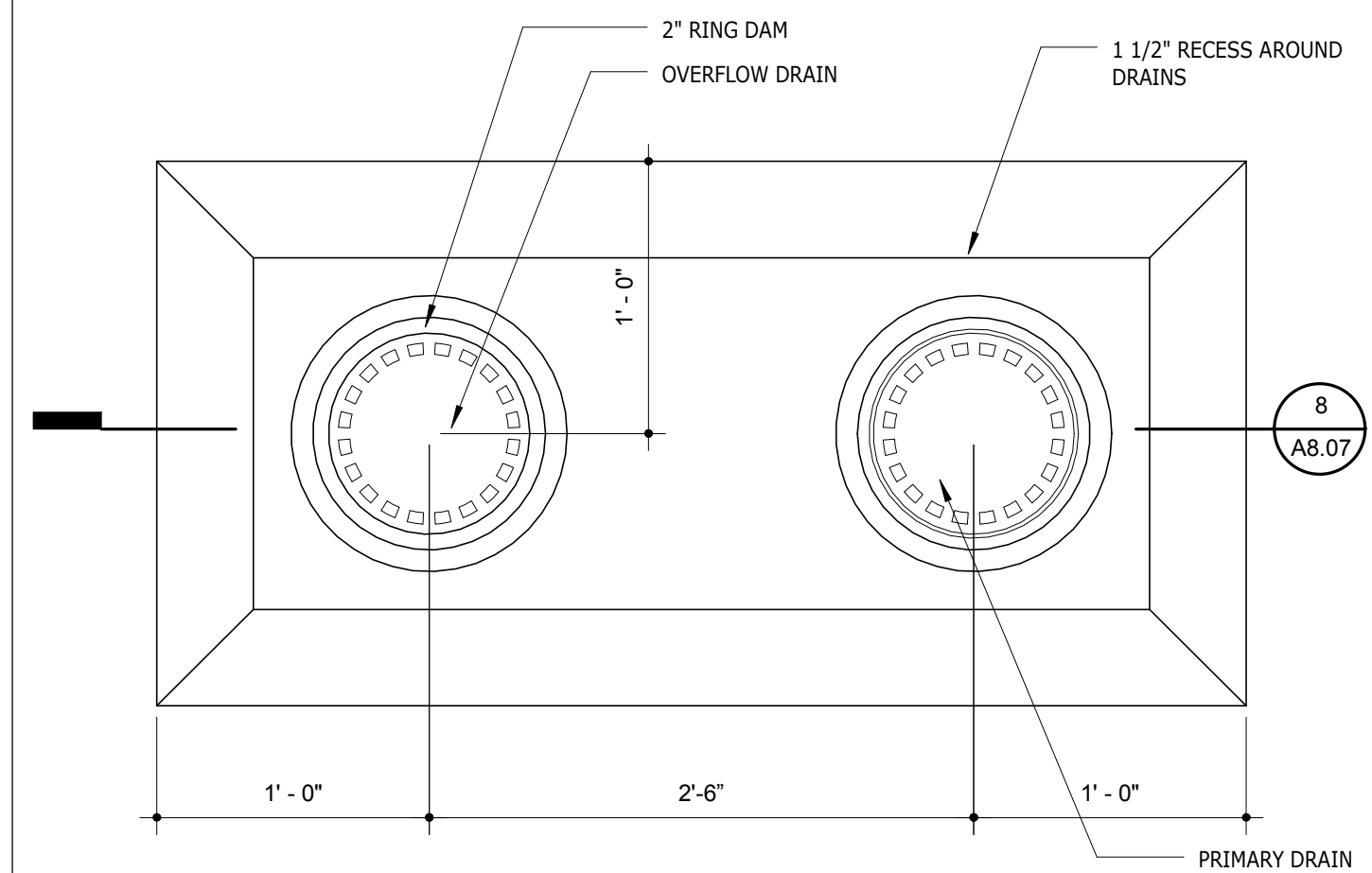
EXTERIOR DOOR JAMB 11 RE: 2/ A3.02 3' = 1'-0"



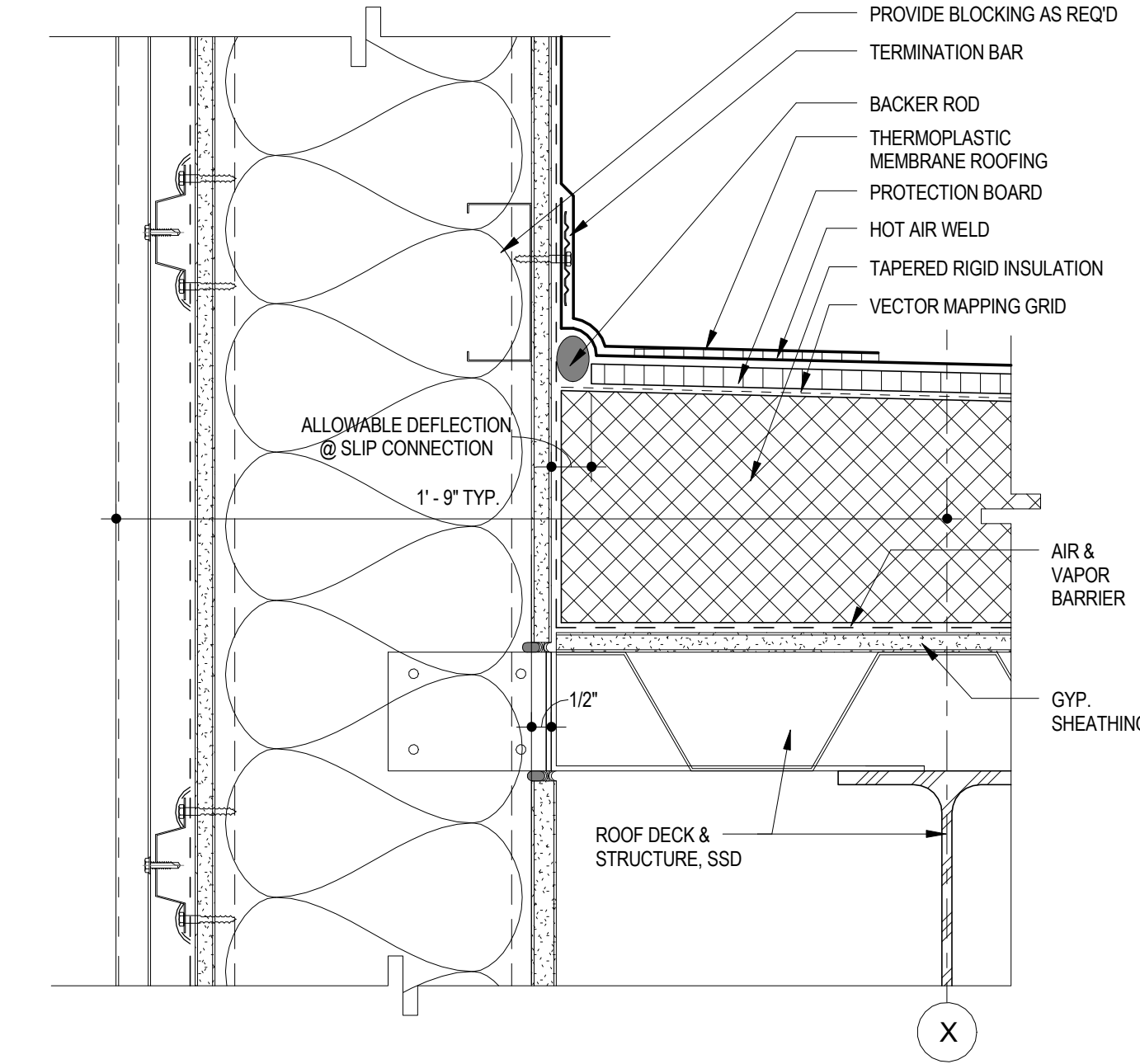
EXT. DOOR HEAD/SILL 10 RE: 2/ A3.02 3' = 1'-0"



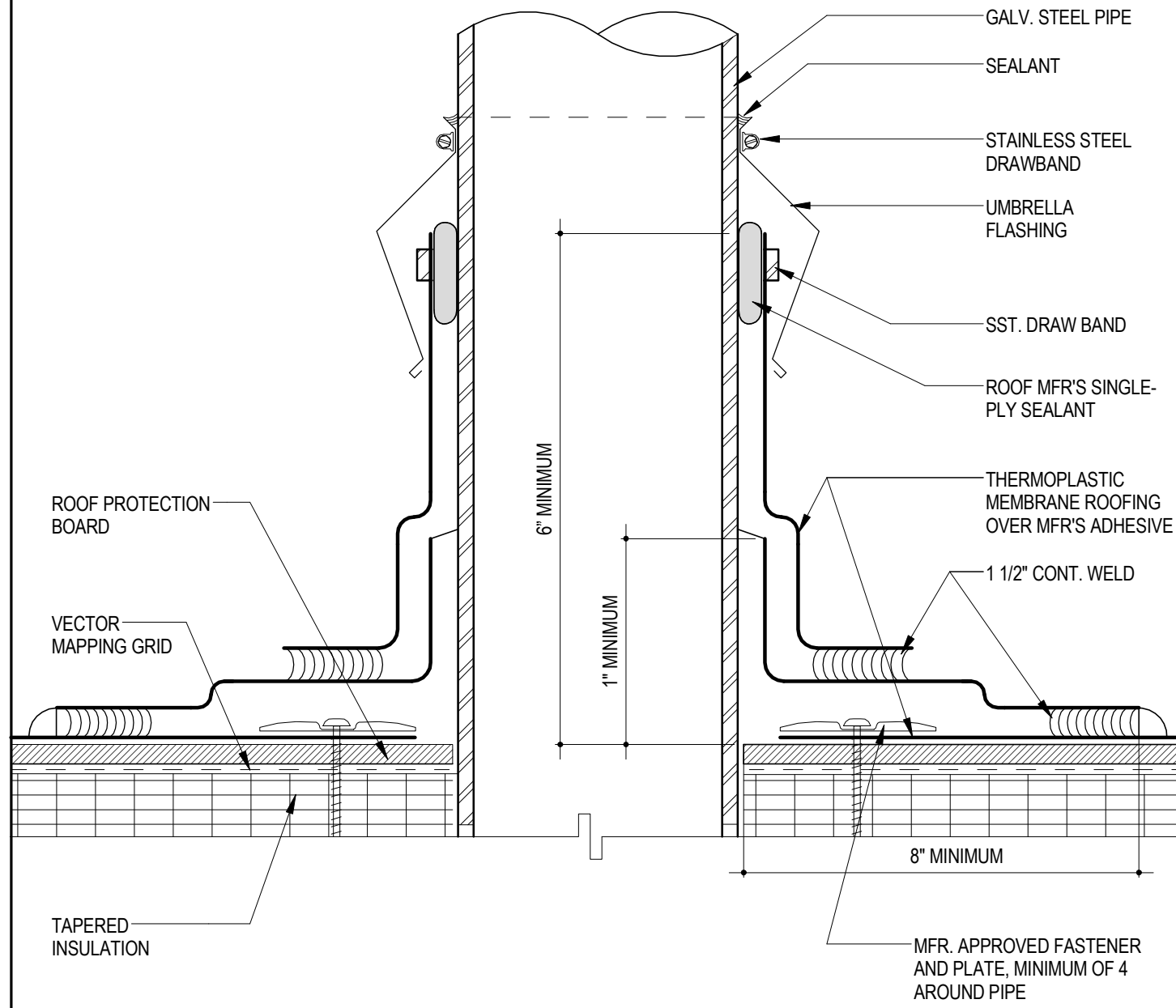
Key Map



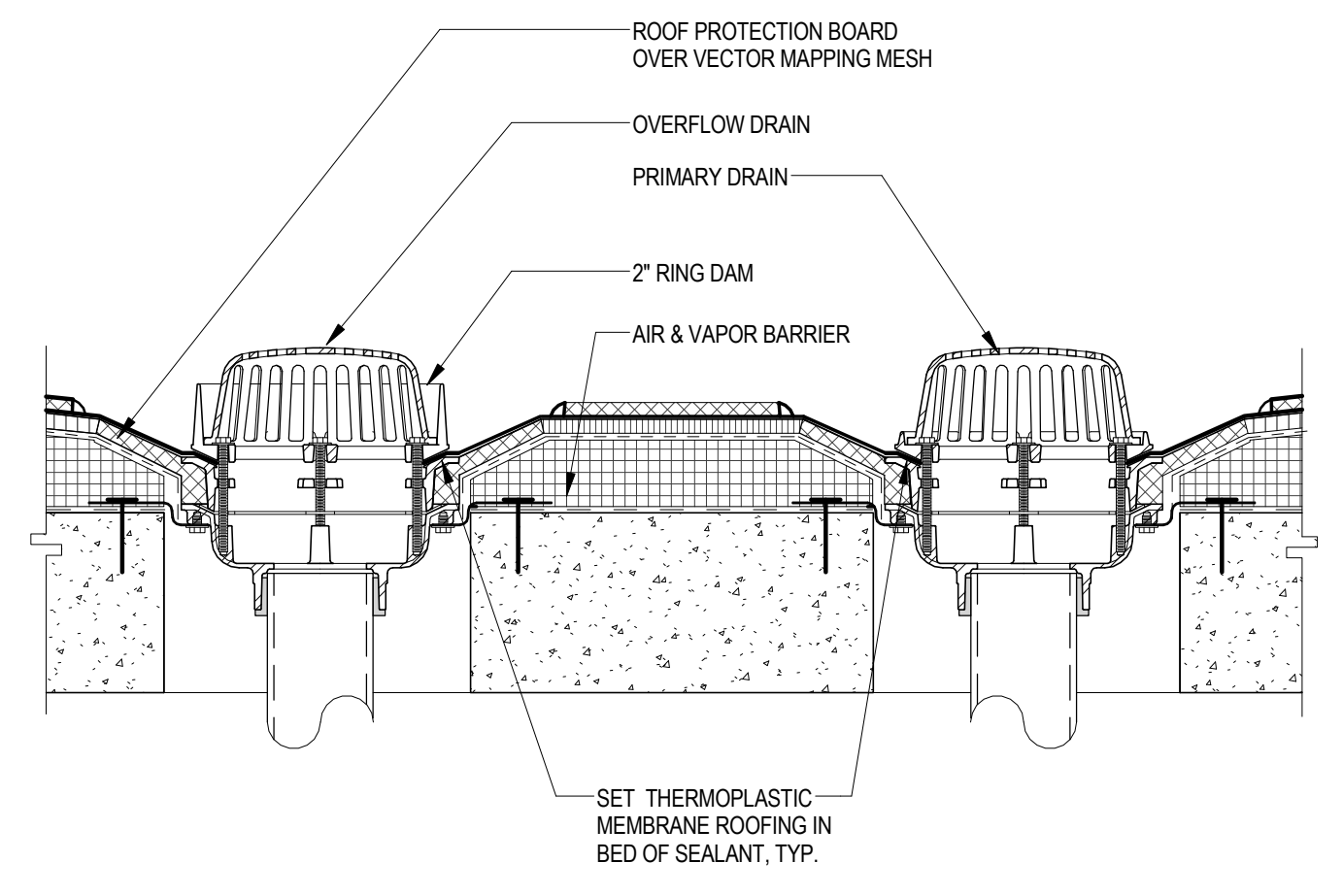
ROOF MEMBRANE AT DRAIN AND OVERFLOW - PLAN 9
1 1/2" = 1'-0"



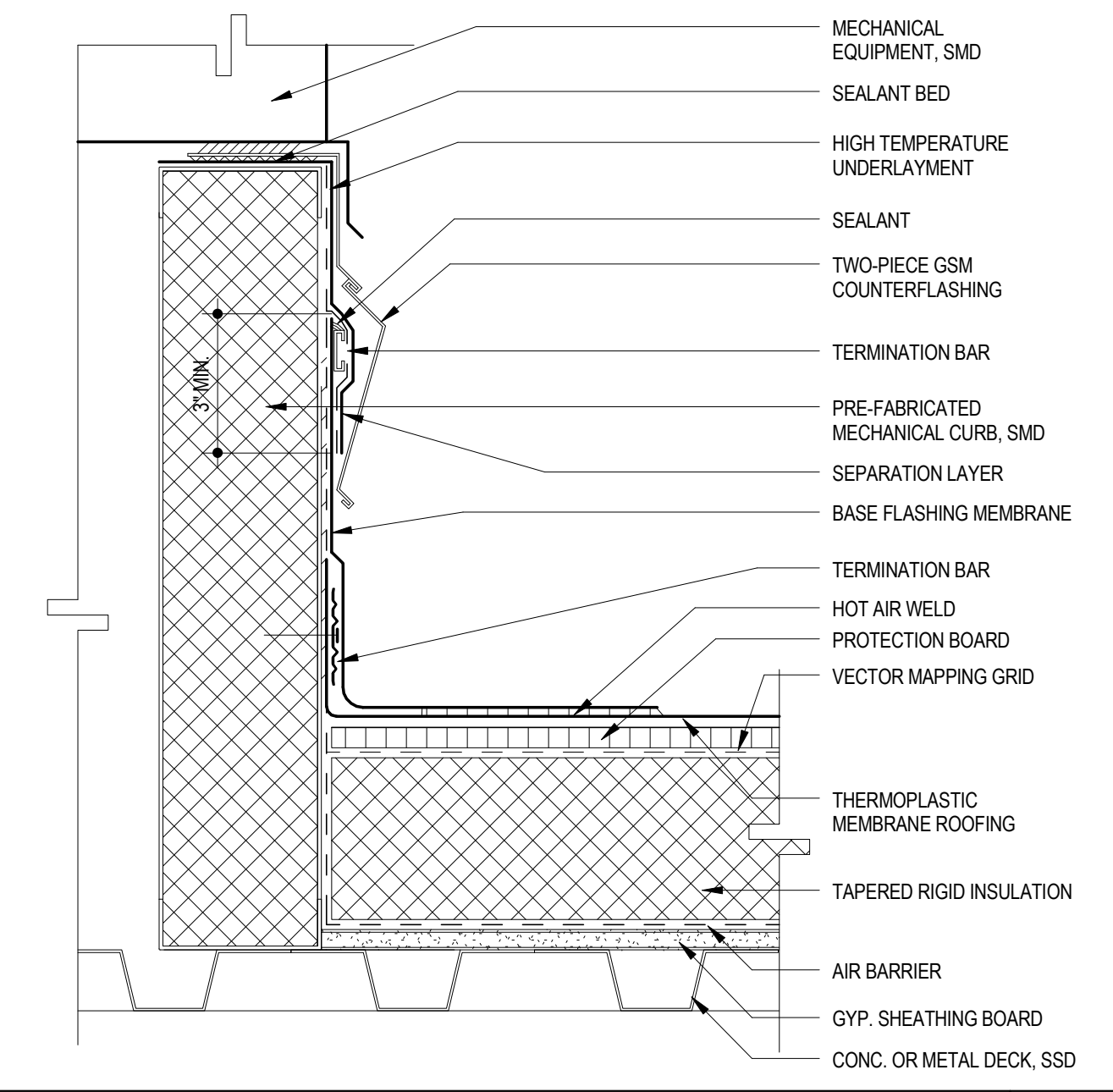
PARAPET BASE @ METAL PANEL WALL 3
RE: 2/ A3.04 3" = 1'-0"



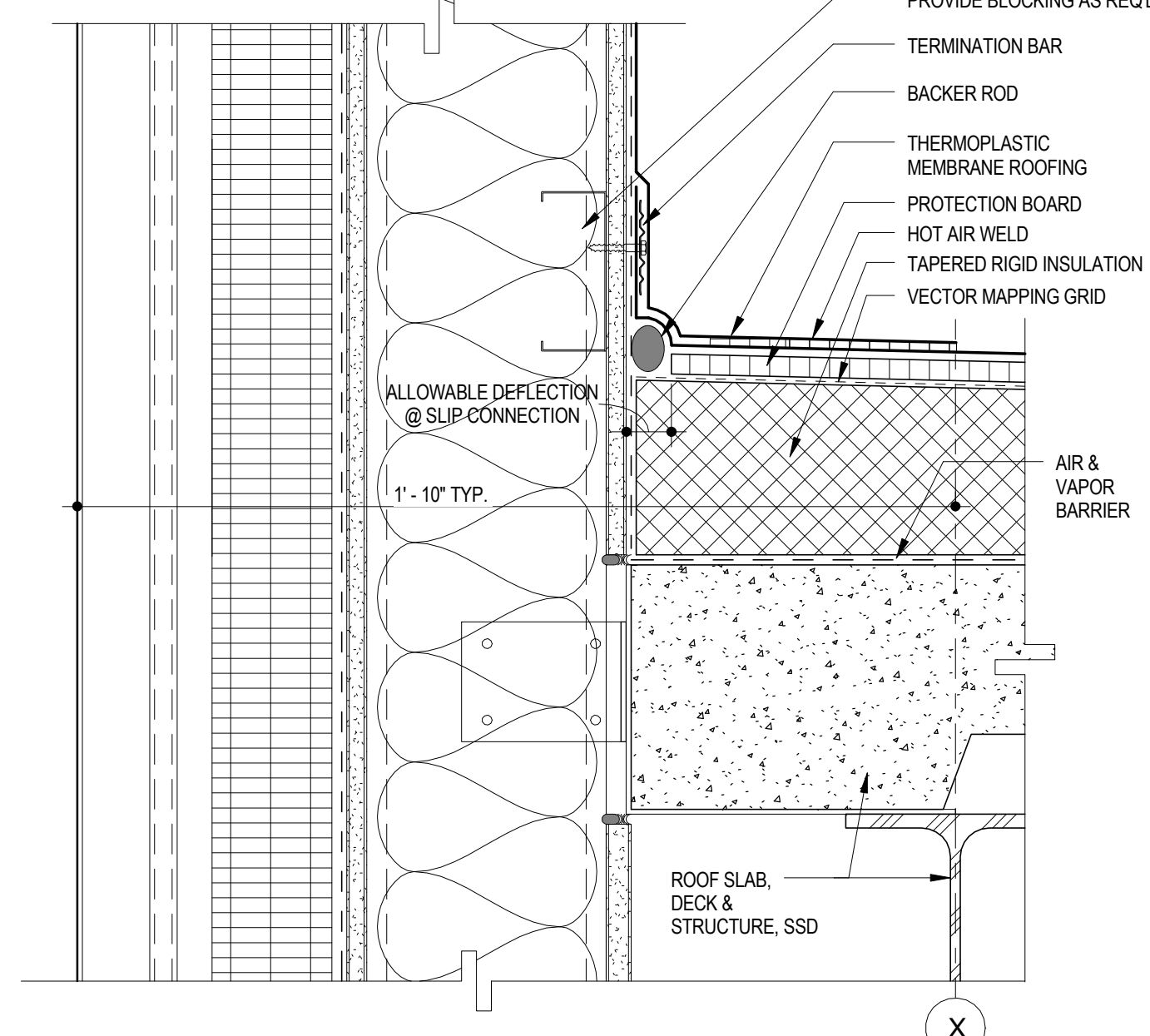
ROOF MEMBRANE PIPE PENETRATION GREATER THAN 8" DIA 11
3" = 1'-0"



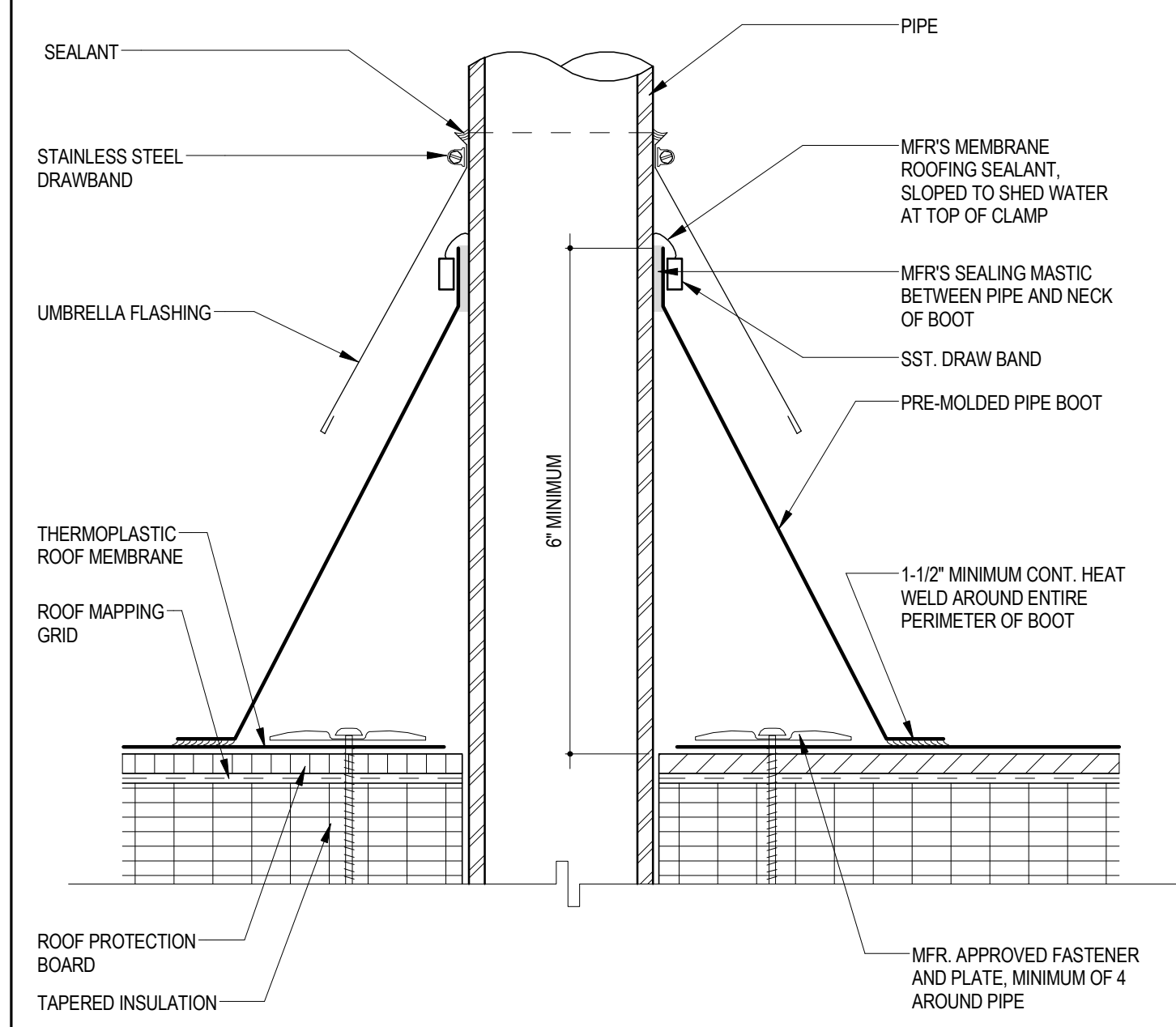
ROOF MEMBRANE AT DRAIN AND OVERFLOW - SECTION 8
RE: 1/ A2.05 1 1/2" = 1'-0"



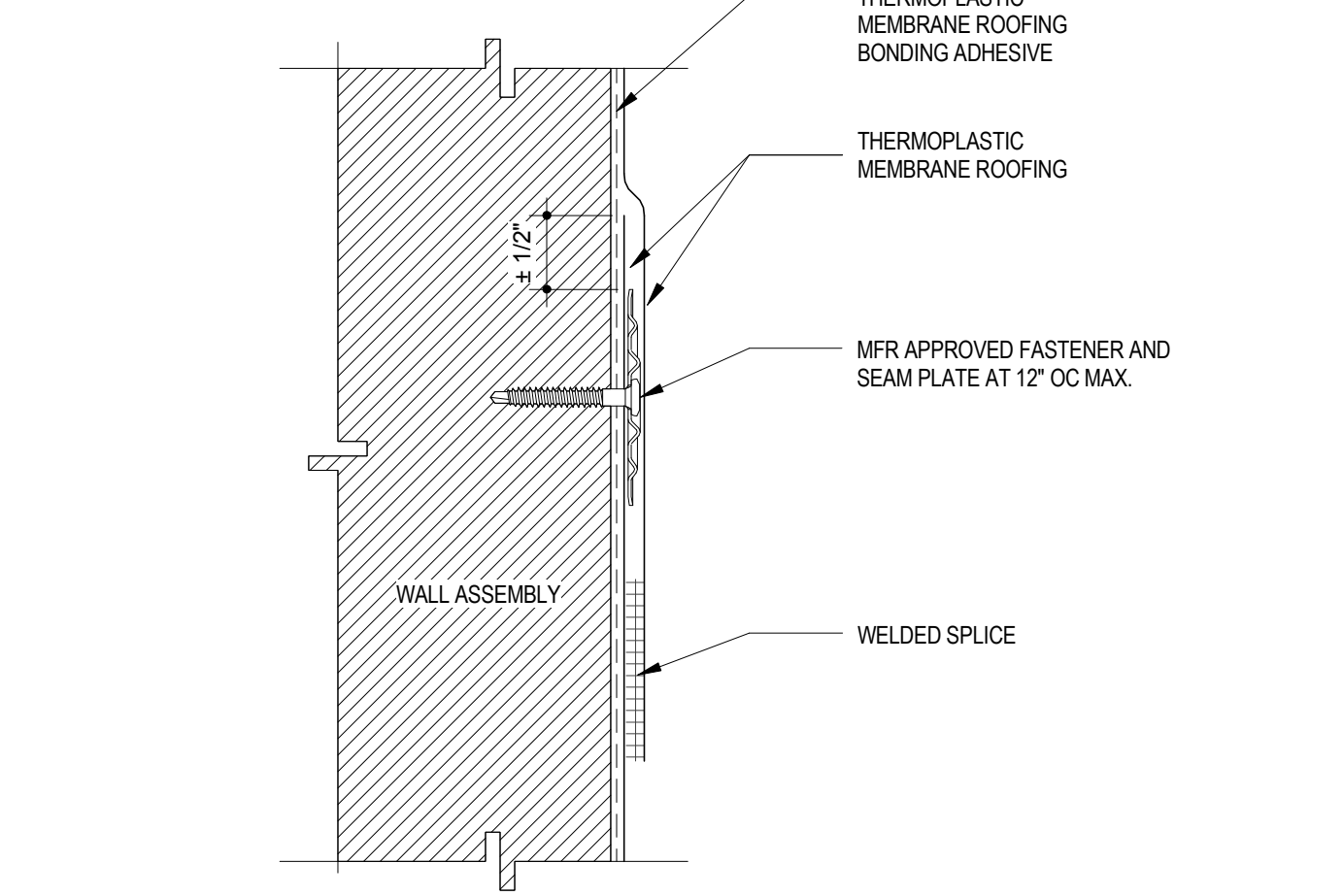
MEMBRANE ROOFING @ MECH. CURB 5
3" = 1'-0"



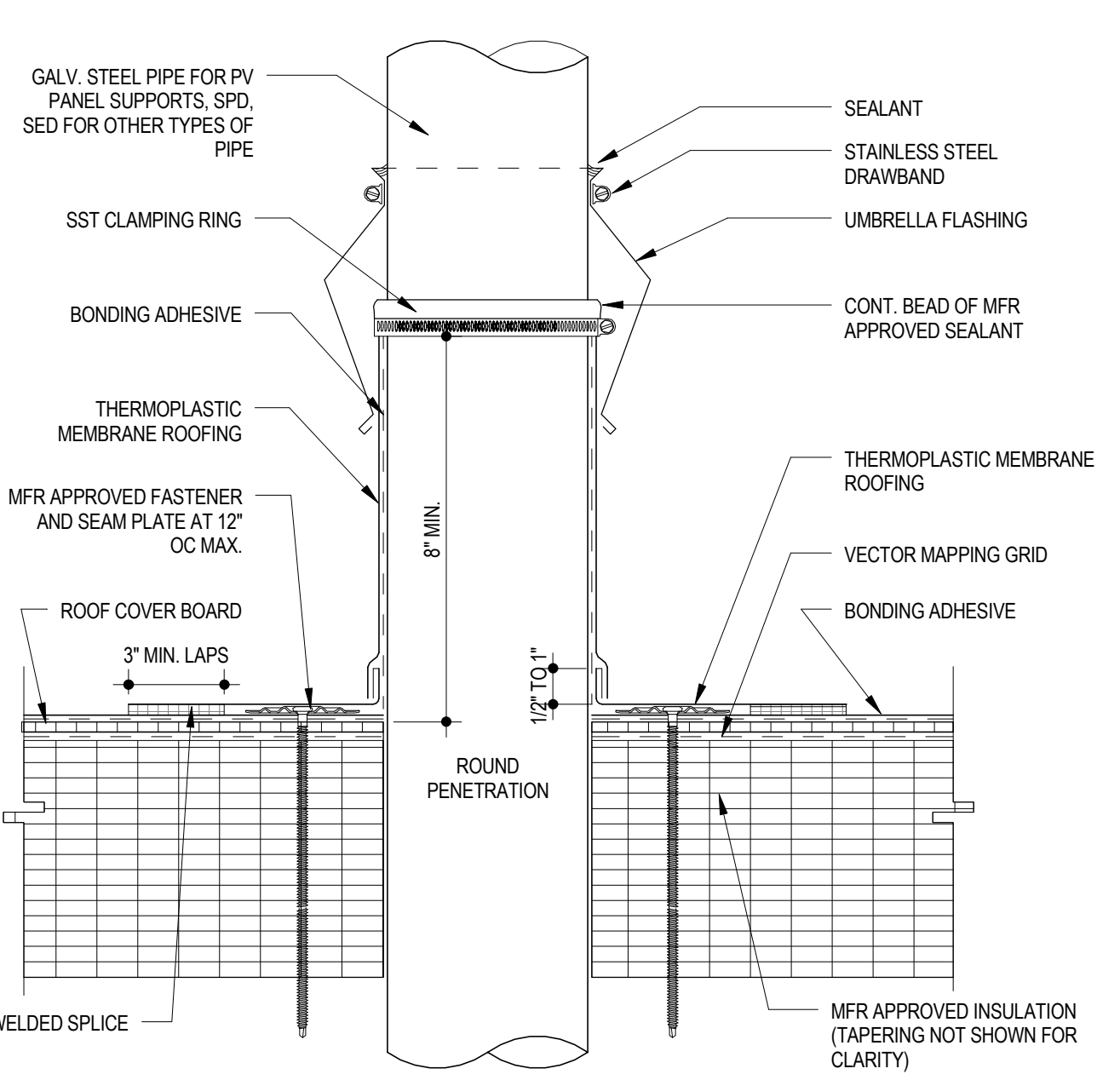
PARAPET BASE @ RAINSCREEN WALL 2
RE: 1/ A3.05 3" = 1'-0"



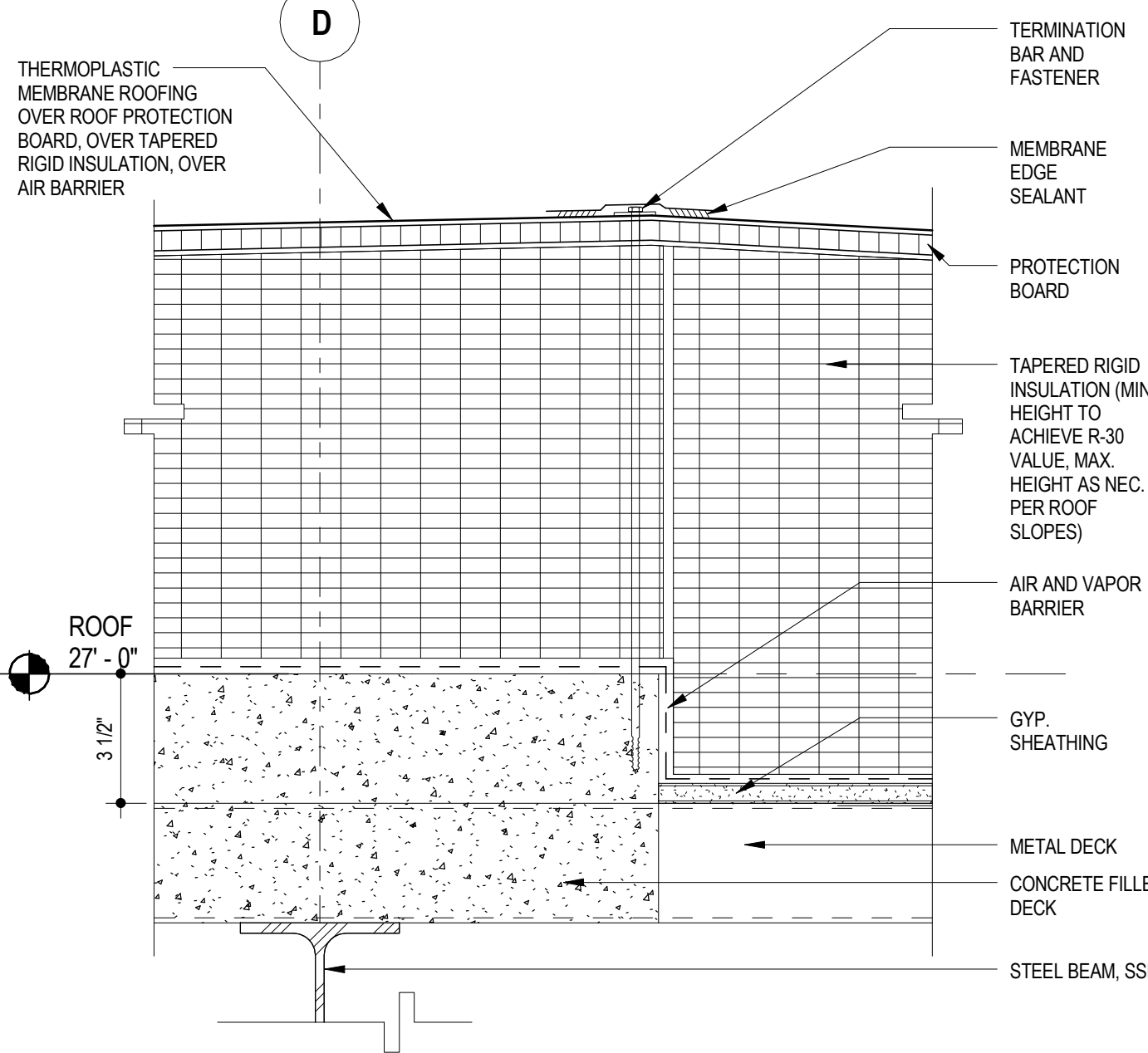
ROOF MEMBRANE PIPE PENETRATIONS LESS THAN 8" DIA. 10
3" = 1'-0"



THERMOPLASTIC MEMBRANE ROOFING VERTICAL SEAM 7
3" = 1'-0"



ROOF PIPE PENETRATION 4
3" = 1'-0"



ROOF DETAIL @ METAL DECK TRANSITION 1
RE: 1/ A2.05 3" = 1'-0"

NO.	DATE	ISSUED FOR PERMIT	ISSUED FOR PERMIT
A	12/15/15		
B	01/18/16		

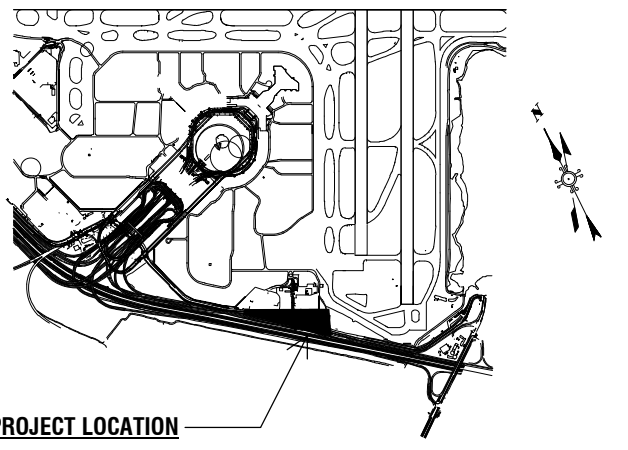
10050.71
SFO FH3 & SOUTH FIELD
CHECKPOINT RELOCATION
PHASE 4
ROOF DETAILS



APPROVED: DEPUTY AIRPORT DIRECTOR
APPROVED: PRINCIPAL ARCHITECT
DESIGNED BY: Designer
DRAWN BY: Author
SCALE: AS SHOWN
SHEET NUMBER

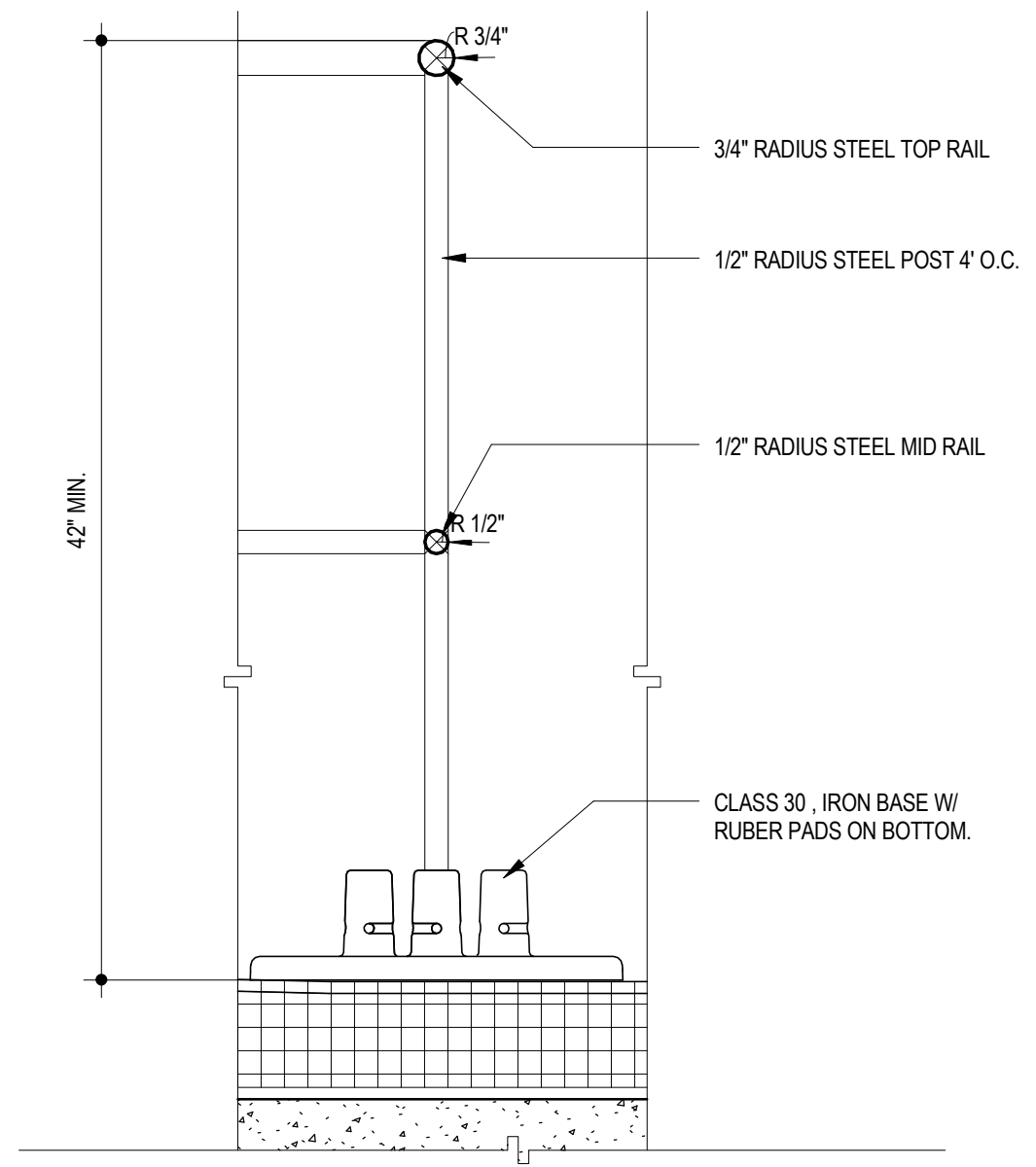
CHECKED BY: CHECKED BY
DATE: 01/18/16
SIZE: ARCH-D

A8.07
REVISION B SEQUENCE NUMBER OF

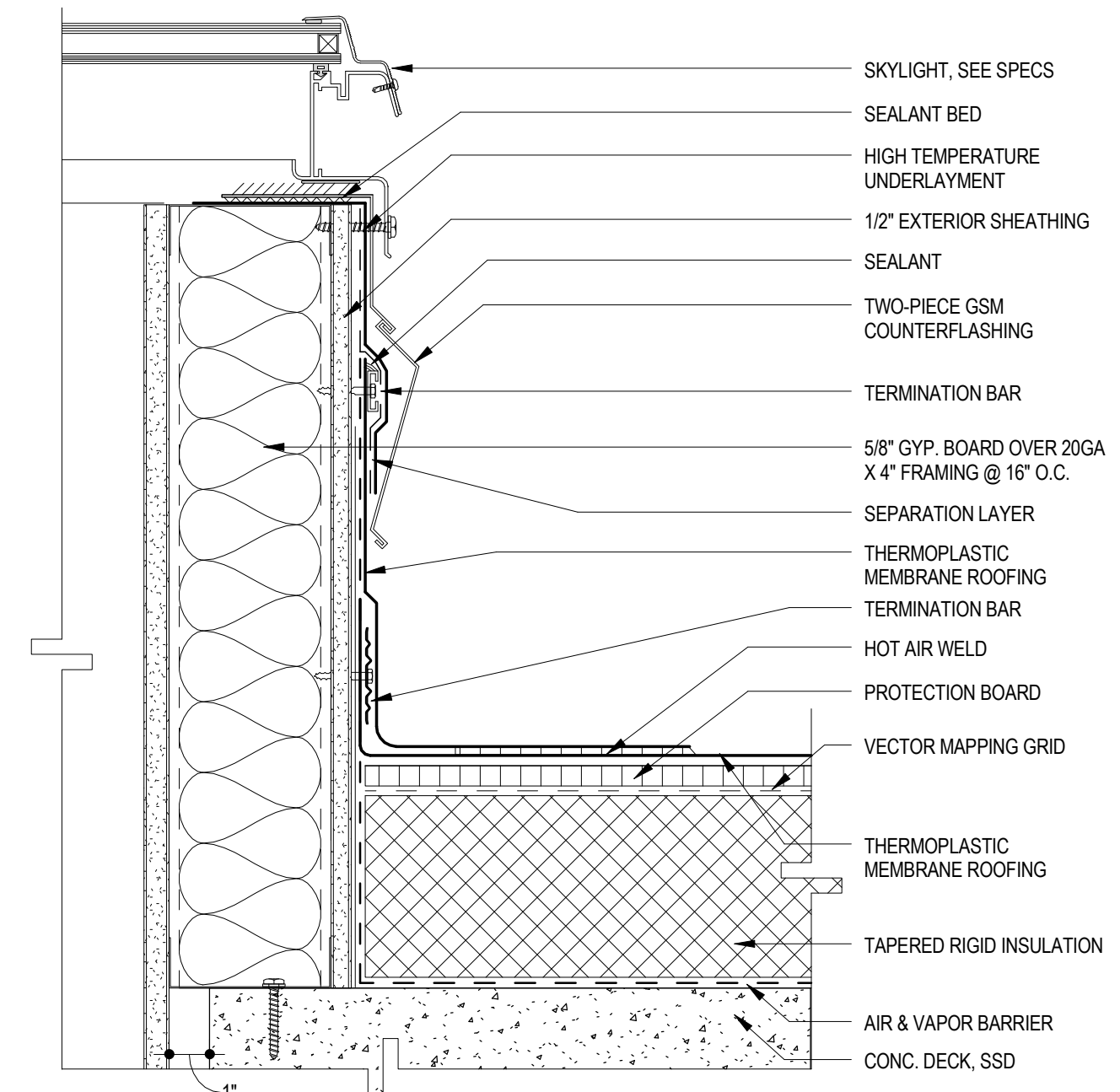


PROJECT LOCATION

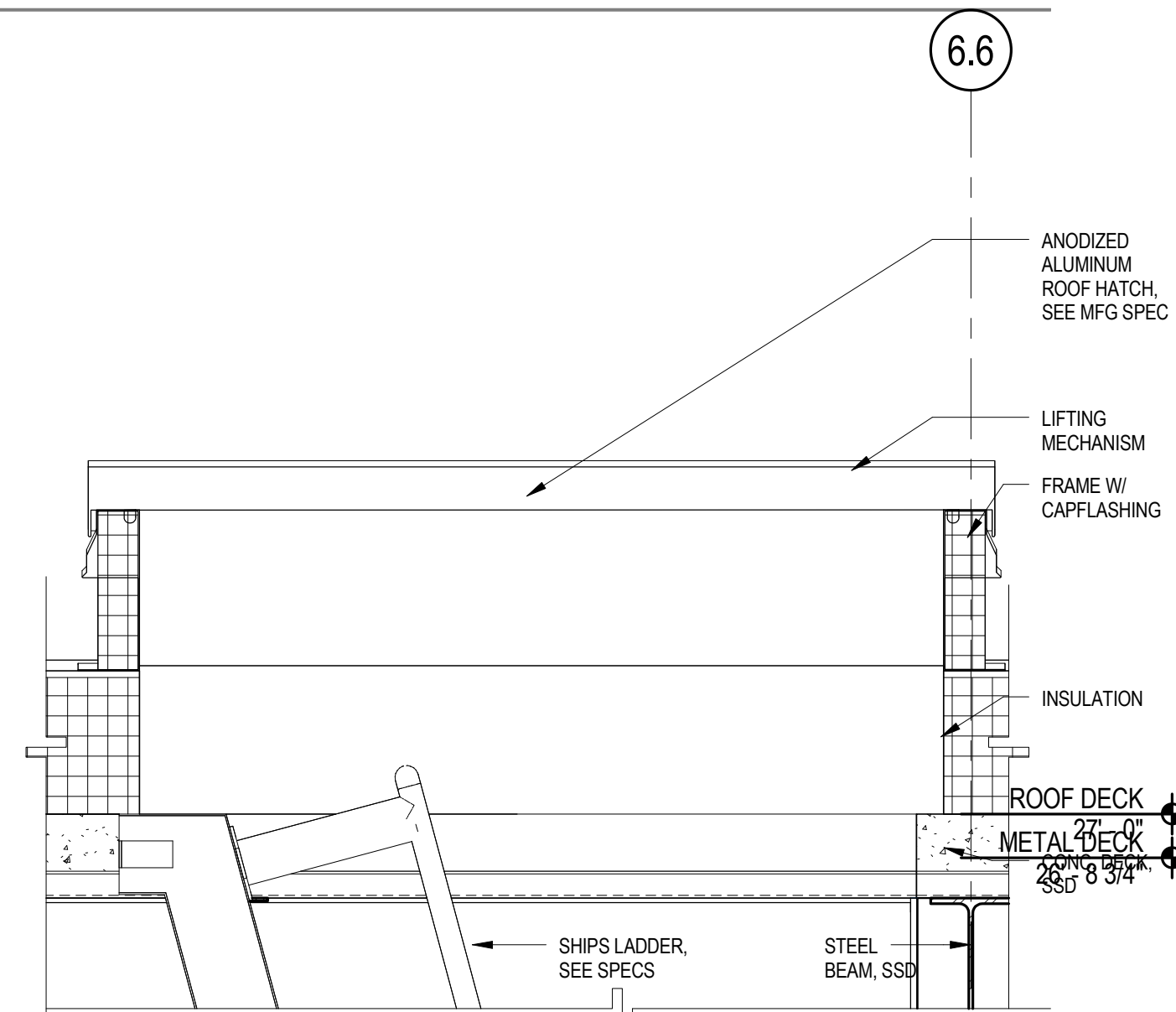
Key Map



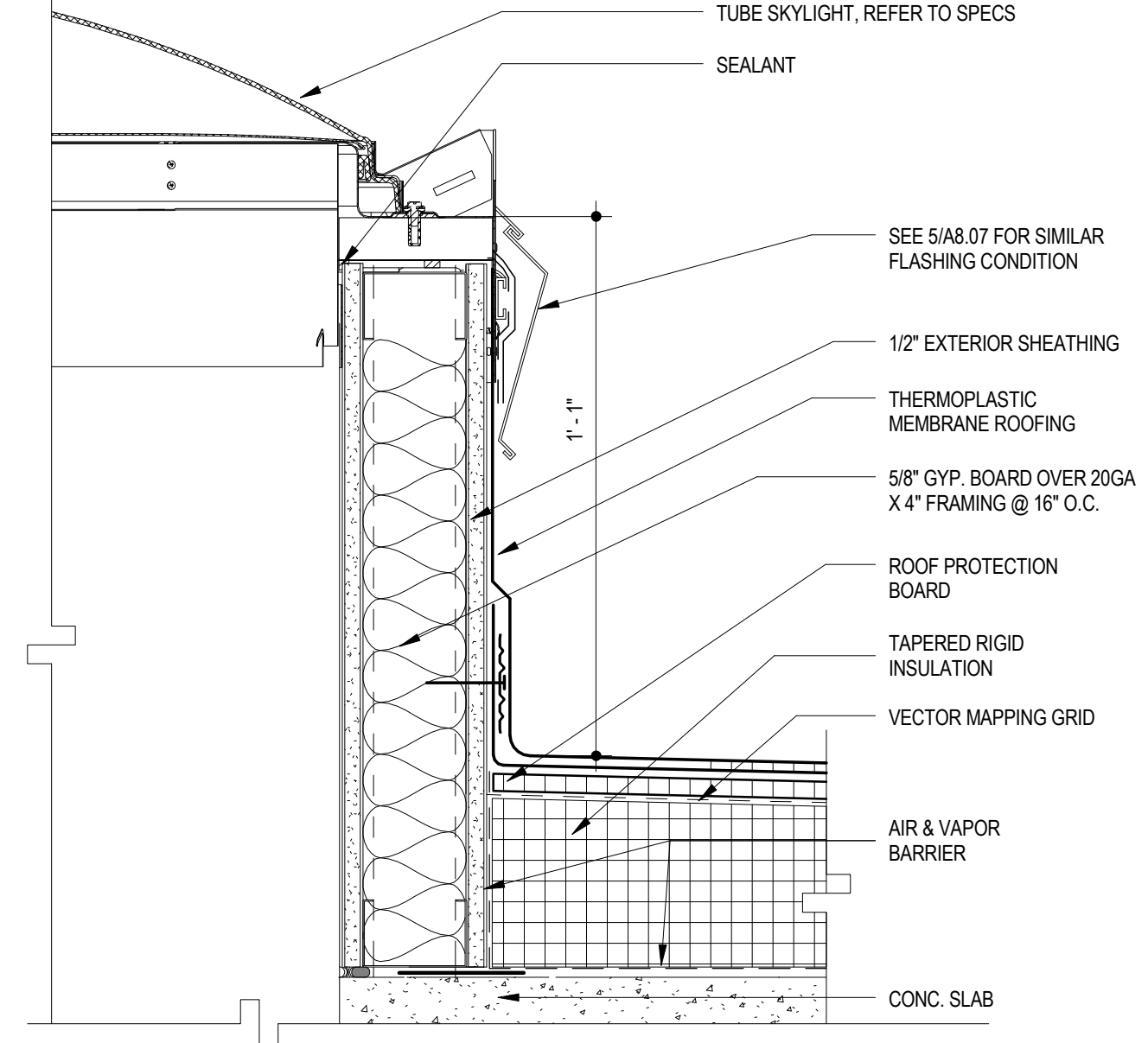
GUARD RAIL AT CURBSIDE SKYLIGHT, TYP. 3
RE: 1/ A2.05 1 1/2" = 1'-0"



SINGLE-PLY ROOF @ FLAT SKYLIGHT 2
RE: 1/ A2.05 3" = 1'-0"



ROOF HATCH 4
RE: 1/ A2.05 1" = 1'-0"



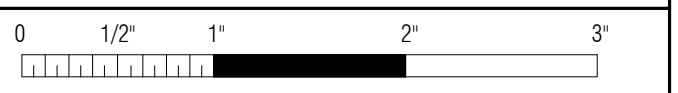
TUBE SKYLIGHT AT CURB-MOUNTED SECTION 1
RE: 1/ A2.05 3" = 1'-0"

REVISIONS	
NO.	DATE
A	12/15/15
B	01/18/16

CONTRACT NO. 10050.71

PROJECT TITLE SFO FH3 & SOUTH FIELD CHECKPOINT RELOCATION PHASE 4

SHEET TITLE ROOF DETAILS



APPROVED: DEPUTY AIRPORT DIRECTOR

APPROVED: PRINCIPAL ARCHITECT

DESIGNED BY: Designer

CHECKED BY: CHECKED BY

DRAWN BY: Author

DATE: 01/18/16

SCALE: AS SHOWN

SIZE: ARCH-D

SHEET NUMBER

A8.08

REVISION	SEQUENCE NUMBER
B	OF