

DSPS MODULAR BUILDING IMPERIAL VALLEY COLLEGE

380 EAST ATEN ROAD, IMPERIAL, CALIFORNIA 92251



CONSULTANT:

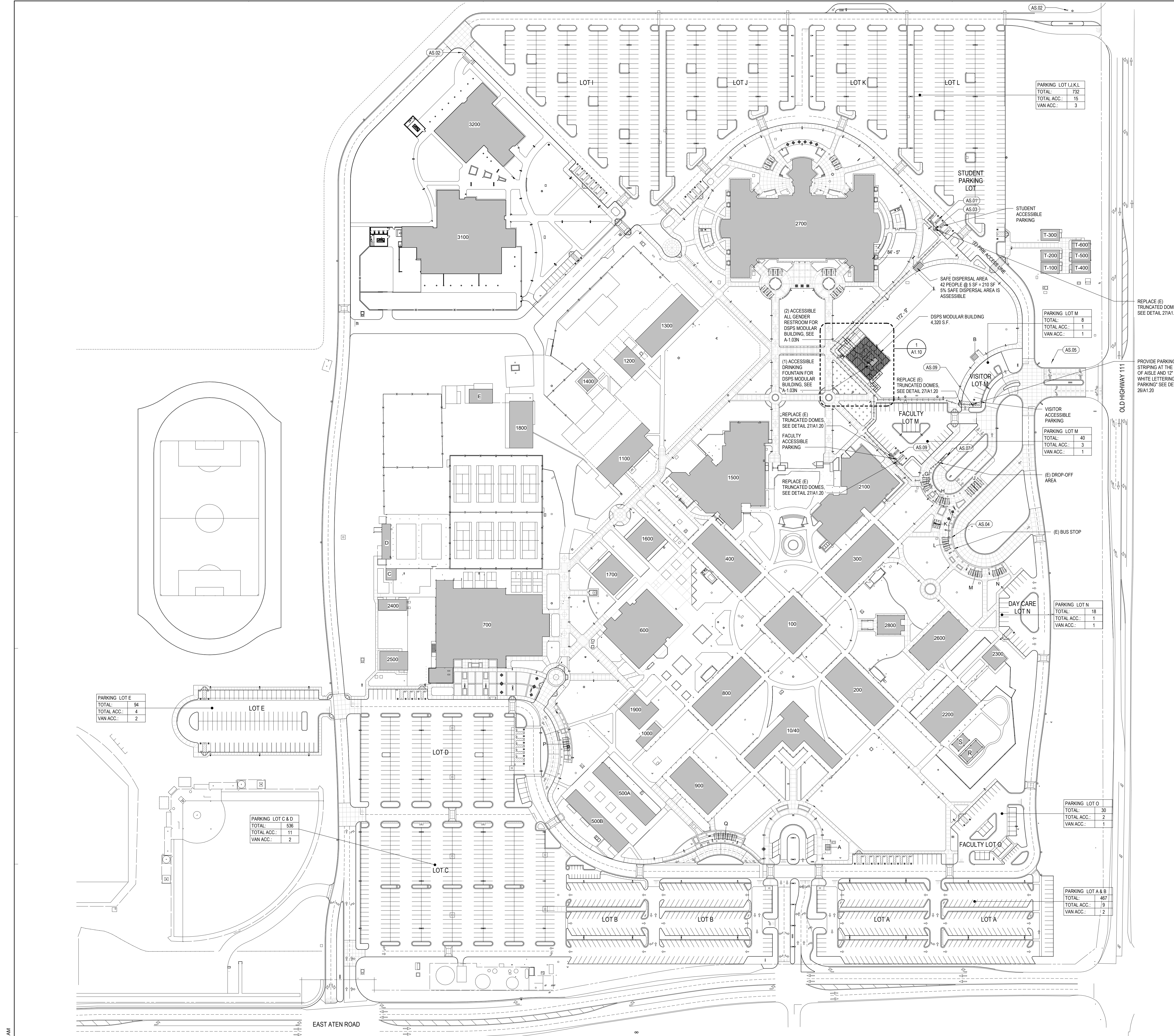
COVER SHEET
 DSPS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE
 380 EAST ATEN ROAD, IMPERIAL, CA 92251



PROJECT NUMBER: 18-43100-00
 PROJECT STATUS: CD 100%
 PROJECT ISSUED: 12/14/2020
 REVISION: DATE: DESCRIPTION

G.O.

GENERAL NOTES	CODES AND STANDARDS	SCOPE OF WORK	SHEET INDEX																												
<p>1. CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS FOR ACCURACY AND CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.</p> <p>2. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDINGS AND SHALL DETERMINE ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL FIELD CONDITIONS. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND OWNER OF ANY DISCREPANCIES.</p> <p>3. CONTRACTOR SHALL THOROUGHLY INVESTIGATE, VERIFY AND BEAR RESPONSIBILITY FOR DIMENSIONS AND EXISTING CONDITIONS. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONDITION REQUIRING MODIFICATION OR CHANGE PRIOR TO STARTING WORK. ANY WORK INSTALLED IN CONFLICT WITH THE DRAWINGS WITHOUT PRIOR APPROVAL SHALL BE CORRECTED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.</p> <p>4. WHERE EXISTING FINISHES, FACILITIES, AND SURFACES ARE DISTURBED, DAMAGED, OR REMOVED DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR IS TO REPAIR OR REPLACE AS NECESSARY TO MATCH EXISTING. ALL NEW MATERIALS SHALL MATCH EXISTING IN ALL RESPECTS.</p> <p>5. LOCATIONS OF UTILITIES, WHERE SHOWN, ARE APPROXIMATE, AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON ALL SITES TO AVOID EXISTING DUCTS, PIPING, OR CONDUITS, ETC. AND TO PREVENT HARM TO PERSONNEL AND/OR DAMAGE TO EXISTING UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR ENGINEER SHOULD UNIDENTIFIED CONDITIONS BE DISCOVERED.</p> <p>6. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY WHERE THE PROPOSED WORK AFFECTS THE EXISTING IRRIGATION SYSTEMS THE CONTRACTOR SHALL PERFORM ANY WORK NECESSARY TO MAINTAIN AN OPERATIONAL IRRIGATION SYSTEM.</p> <p>7. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.</p> <p>8. CONSTRUCTION WORKERS WILL ONLY BE ALLOWED IN THE AREAS APPROPRIATE TO THE WORK AND SHALL NOT DISTURB THE OWNER, STAFF, STUDENTS OR CUSTOMERS.</p> <p>9. CONSTRUCTION WORKERS SHALL WEAR APPROPRIATE SAFETY GEAR & COMPLY WITH SAFETY REGULATIONS.</p> <p>10. CONSTRUCTION WORKERS SHALL DRESS & BEHAVE IN A MANNER APPROPRIATE TO THE JOB SITE AND BE ACCEPTABLE TO THE OWNER REPRESENTATIVES.</p> <p>11. SMOKING IS NOT PERMITTED ON THE CONSTRUCTION SITE.</p> <p>12. THERE SHALL BE NO POSSESSION OR CONSUMPTION OF DRUGS OR ALCOHOLIC BEVERAGES ON THE JOB SITE BY ANY PERSON AT ANY TIME OR CONSUMPTION PRIOR THAT MAY IMPAIR THE USE OF EQUIPMENT IN A SAFE MANNER.</p>	<p>APPLICABLE CODES</p> <ul style="list-style-type: none"> 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR 2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2019 CALIFORNIA AMENDMENTS 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR (2018 APFMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR (2018 APFMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR 2019 CALIFORNIA FIRE CODE (FC), PART 9, TITLE 24 CCR (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS) 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR (2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS 2019 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC PART 2 CH 35) <p>NOTE: CALIFORNIA ELEVATOR UNIT ENFORCES CCR TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION</p> <p>PARTIAL LIST OF APPLICABLE STANDARDS</p> <table border="0"> <tr> <td>NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED)</td> <td>2016 EDITION</td> </tr> <tr> <td>NFPA 14 STANDPIPE AND HOSE SYSTEMS (CA AMENDED)</td> <td>2016 EDITION</td> </tr> <tr> <td>NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS</td> <td>2017 EDITION</td> </tr> <tr> <td>NFPA 17A WET CHEMICAL EXTINGUISHING SYSTEMS</td> <td>2017 EDITION</td> </tr> <tr> <td>NFPA 72 NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)</td> <td>2016 EDITION</td> </tr> <tr> <td>NFPA 80 FIRE DOORS AND OTHER OPENING PROTECTIVES</td> <td>2016 EDITION</td> </tr> <tr> <td>UL 464 AUDIBLE SIGNAL APPLIANCES</td> <td>2003 EDITION</td> </tr> <tr> <td>UL 521 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS</td> <td>1999 EDITION</td> </tr> <tr> <td>UL 1971 STANDARD FOR SIGNALING DEVICES FOR HEARING IMPAIRED</td> <td>2002 (R2010)</td> </tr> <tr> <td>ICC 300 ICC STANDARDS ON BLEACHERS, FOLDING AND TELESCOPING SEATING, AND GRANDSTANDS</td> <td>2017 EDITION</td> </tr> </table> <p>FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80. SEE CALIFORNIA BUILDING CODE CHAPTER 35 FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.</p> <p>COMPLIANCE WITH CFC CHAPTER 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.</p>	NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED)	2016 EDITION	NFPA 14 STANDPIPE AND HOSE SYSTEMS (CA AMENDED)	2016 EDITION	NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION	NFPA 17A WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION	NFPA 72 NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)	2016 EDITION	NFPA 80 FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION	UL 464 AUDIBLE SIGNAL APPLIANCES	2003 EDITION	UL 521 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION	UL 1971 STANDARD FOR SIGNALING DEVICES FOR HEARING IMPAIRED	2002 (R2010)	ICC 300 ICC STANDARDS ON BLEACHERS, FOLDING AND TELESCOPING SEATING, AND GRANDSTANDS	2017 EDITION	<p>IT IS THE INTENT OF THIS PROJECT TO PROVIDE ALL THE NECESSARY SITEWORK CONSTRUCTION NOTED ON THE DRAWINGS AND SPECIFIED FOR THE INSTALLATION OF THE MODULAR OFFICE BUILDING BEING PROVIDED AT THIS SITE. IT IS THE RESPONSIBILITY OF THIS SITE-WORK CONTRACTOR TO COORDINATE THEIR WORK WITH THAT OF THE MODULAR BUILDING MANUFACTURER.</p> <p>WORK INCLUDED WILL CONSIST OF BUT NOT BE LIMITED TO:</p> <ul style="list-style-type: none"> SITE CLEARING, FILL, AND PAD COMPACTION RELOCATE ANY VALVES, HEADS, OR PIPING IN ORDER TO MAINTAIN A FULLY OPERABLE IRRIGATION SYSTEM REMOVAL OF ALL EXCESS GRASS AND SOIL TO AN APPROVED DUMP SITE COORDINATION WITH THE MODULAR BUILDING MANUFACTURER TO ASSURE THAT SITE WORK INTERFERES WITH THE INSTALLATION OF THE MODULAR BUILDING SITE CMU WALLS, CONCRETE WALK, RAMPS AND PATCH & REPAIR OF (E) SIDEWALKS FOR UTILITY TRENCHING INSTALLATION OF SITE ELECTRICAL UTILITY SERVICE AND CONNECTION TO MODULAR BUILDING INCLUDING GROUND SYSTEM INSTALLATION AND CONNECTION OF DATA, I.T., TELECOM, FIRE ALARM & SECURITY, INCLUDING ALL INTERIOR BLDG. COMPONENTS INSTALLATION AND CONNECTION OF ALL UTILITIES TO MODULAR BUILDING (ELECTRICAL, SEWER, WATER) ACCESSIBLE SIGNAGE AT EACH EXTERIOR DOOR. <p>WORK TO BE PROVIDED BY MODULAR BUILDING MANUFACTURER:</p> <ul style="list-style-type: none"> CONSTRUCTION AND INSTALLATION OF (1) MODULAR OFFICE BUILDING. CONCRETE FOUNDATION, ACCESS VENTS, VENTWELL, MOW CURB, CRAWL SPACE DRAINAGE. INTERIOR FINISH WORK IN MODULAR OFFICE BUILDING INTERIOR ELECTRICAL (POWER AND LIGHTING), PLUMBING WORK IN MODULAR OFFICE BUILDING PROVIDE CONDUIT FOR LOW VOLTAGE DATA, I.T., TELECOM, FIRE ALARM & SECURITY. 	<p>GENERAL</p> <p>G0.0 COVER SHEET G0.1 SYMBOLS AND ABBREVIATIONS G0.2 FIRE ACCESS PLAN G0.3 ACCESSIBILITY SITE PLAN G0.4 CA GREEN CODE CHECKLIST SUB-TOTAL: 5</p>	<p>CIVIL</p> <p>C-01 TITLE SHEET C-02 EXISTING TOPO AND DEMOLITION PLAN C-03 GRADING AND IMPROVEMENTS PLAN C-04 EROSION CONTROL PLAN C-05 DETAILS SUB-TOTAL: 5</p>	<p>ARCHITECTURAL</p> <p>A1.01 PARTIAL SITE PLAN A1.10 ENLARGED SITE PLAN A1.20 SITE DETAILS SUB-TOTAL: 3</p>	<p>ELECTRICAL</p> <p>E-01 GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX E-02 FIRE ALARM GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX E-01 OVERALL SITE PLAN E-01 MODULAR BUILDING PLAN E-01 RISER DIAGRAM AND CALCULATIONS E-02 SINGLE LINE DIAGRAM E-01 DETAILS E-02 DETAILS SUB-TOTAL: 8</p>	<p>TELECOM</p> <p>T-01 GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX T-01 TELECOM SITE PLAN T-01 TELECOM FLOOR PLAN T-01 ENLARGED ROOM PLAN - IDF 120 T-02 ENLARGED AV ROOM PLAN - CONFERENCE/ BREAK ROOM 121 T-01 TELECOM SINGLE LINE DIAGRAM T-01 DETAILS T-02 DETAILS T-03 DETAILS SUB-TOTAL: 9</p>	<p>MODULAR BUILDING (PROJECT SPECIFIC)</p> <p>SHEET ARCHITECTURAL A-0N COVER SHEET A-0.2N SCHEDULES A-0.5N ENERGY CALC'S PRF FORMS A-1.03N FLOOR PLAN A-2.03N REFLECTED CEILING PLAN A-3.33N ROOF PLAN - PARAPET - DUAL SLOPE A-3.80N MISC. DETAILS A-4.23N EXTERIOR ELEVATIONS - DUAL SLOPE A-5.00N INTERIOR ELEVATION A-5.81N ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS A-6.04N INTERIOR ELEVATIONS - 36' TO 72' X 60' A-6.07N FOUNDATION A-6.11N PLUMBING A-6.12N MECHANICAL A-6.13N EQUIPMENT LIST, STANDARD SYMBOLS - COVER SHEET A-6.14N HVAC MECHANICAL PLAN A-6.15N HVAC ROOF PLAN A-6.16N ELECTRICAL A-6.17N ELECTRICAL PLAN A-6.18N ELECTRICAL SCHEDULES SUB-TOTAL: 16</p>	<p>MODULAR BUILDING (PC SHEETS)</p> <p>SHEET ARCHITECTURAL A-0 COVER SHEET A-0.0 BUILDING OPTIONS SCHEDULE A-0.1 SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE A-0.4 T & FORMS A-0.2 SCHEDULES A-0.50 ENERGY CALC'S - PRF FORMS - ZONE 14 WORST CASE - 72'X60' A-0.5E ENERGY CALC'S - PRF FORMS - ZONE 15 WORST CASE - 72'X60' A-0.5F ENERGY CALC'S - PRF FORMS - ZONE 16 WORST CASE - 72'X60' A-0.6A ENERGY CALC'S - CERTIFICATE OF COMPLIANCE FORMS A-0.6B ENERGY CALC'S - CERTIFICATE OF COMPLIANCE FORMS A-0.7 FLOOR PLAN - 36' TO 72' X 60' A-1.03 REFLECTED CEILING PLAN - 36' TO 72' X 60' A-2.03 CEILING DETAILS - 1' GRID A-2.21 CEILING DETAILS - HARD LID A-3.33 ROOF PLAN - PARAPET - DUAL SLOPE - 36' TO 72' X 60' A-3.80 ROOF DETAILS - PARAPET A-3.90 ROOF DETAIL - TPO A-4.23 EXTERIOR ELEVATIONS - DUAL SLOPE - 36' TO 72' X 60' (PARAPET) A-5.02 CROSS SECTION - DUAL SLOPE A-5.05 CROSS SECTION A-5.81 ARCHITECTURAL DETAILS - STEEL STUD - PLASTER A-5.70 ARCHITECTURAL DETAILS - FLOOR A-5.80 ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS A-5.81 ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS A-6.04 INTERIOR ELEVATIONS - 36' TO 72' X 60' A-6.07 FOUNDATION A-6.11 CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR A-6.12 CONCRETE FOUNDATION DETAILS - BELOW GRADE A-6.13 FOUNDATION DETAILS - CONCRETE A-6.14 STRUCTURAL SPECIFICATIONS A-6.15 FLOOR FRAMING PLAN - CONCRETE FLOOR A-6.16 FLOOR FRAMING DETAILS - CONCRETE FLOOR SUB-TOTAL: 46</p>	<p>MODULAR BUILDING (PC SHEETS)</p> <p>S-2.13 ROOF FRAMING PLAN - PARAPET - DUAL SLOPE S-2.51 ROOF FRAMING DETAILS - DUAL SLOPE S-2.60 ROOF FRAMING DETAILS S-2.70 ROOF FRAMING DETAILS - PARAPET S-2.80 ROOF FRAMING DETAILS - TRUSS S-3.02 BUILDING SECTION - DUAL SLOPE ROOF S-5.20 WALL FRAMING ELEVATIONS - STEEL STUDS S-5.30 WALL FRAMING DETAILS - STEEL STUDS S-5.31 WALL FRAMING DETAILS - STEEL STUDS SHEET PLUMBING P-1.01 PLUMBING DETAILS AND SCHEDULE SHEET MECHANICAL M-0.1 MECHANICAL NOTES, SCHEDULES, AND DETAILS M-4.01 MECHANICAL PLAN - ROOF MOUNT - 36' TO 72' X 60' M-4.02 MECHANICAL ROOF PLAN - ROOF MOUNT - 36' TO 72' X 60' SHEET ELECTRICAL E-1.04 ELECTRICAL PLAN - 36' TO 72' X 60' SUB-TOTAL: 46</p>	<p>TOTAL SHEET: 92</p>
NFPA 13 AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED)	2016 EDITION																														
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<p>REGULATION NOTES</p> <p>1. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) PARTS 1 TO 6.9 AND 12.</p> <p>2. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.</p> <p>3. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.</p> <p>4. ALL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT (CCD) OR ADDENDUM, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION. SECTION 4-338, PART 1, TITLE 24, CCR, SUBSTITUTIONS SHALL BE FOR ANY MATERIAL, SYSTEM OR PRODUCT THAT WOULD OTHERWISE BE REGULATED BY DSA.</p> <p>5. A "DSA CERTIFIED" CLASS 1 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.</p> <p>6. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.</p> <p>7. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).</p> <p>8. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.</p> <p>9. A COPY OF CCR TITLE 24, PARTS 1.4, 9 AND 12 SHALL BE KEPT ON SITE DURING CONSTRUCTION.</p> <p>10. A COPY OF THE APPROVED DRAWINGS, SPECIFICATIONS, ADDENDUMS AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE KEPT ON SITE DURING CONSTRUCTION.</p> <p>11. THE CONTRACTOR SHALL MAINTAIN CONSTRUCTION SAFE GUARDS IN ACCORDANCE WITH CHAPTER 33, PART 2, TITLE 24, CCR AND CHAPTER 33, PART 8 TITLE 24, CCR (2018 CBC).</p> <p>12. THE CONTRACTOR SHALL PROVIDE CLEAN, SANITARY, TEMPORARY TOILET FACILITIES FOR THE CONSTRUCTION PERSONNEL, UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION PERSONNEL BE ALLOWED TO UTILIZE THE PERMANENT SITE FACILITIES. ALL TEMPORARY FACILITIES SHALL BE REMOVED FROM THE SITE AT THE CONCLUSION OF CONSTRUCTION.</p> <p>13. NO DEMOLITION SHALL BEGIN UNTIL PLANS INCLUDING THE DEMOLITION WORK HAVE BEEN APPROVED BY DSA.</p>	<p>STATEMENT OF GENERAL CONFORMANCE</p> <p>FOR ARCHITECTS / ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND / OR CONSULTANTS.</p> <p>(APPLICATION NO. 04-119394 FILE NO. 13-C1)</p> <p><input checked="" type="checkbox"/> THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET MARKED "I" ARE THE DRAWINGS, PAGE OF SPECIFICATIONS / CALCULATIONS.</p> <p><input type="checkbox"/> THIS DRAWING, PAGE OF SPECIFICATIONS / CALCULATIONS.</p> <p>HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND / OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:</p> <ol style="list-style-type: none"> DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME AND COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT. <p>THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81139 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1, (TITLE 24, PART 1, SECTION 4-317(B)).</p> <p>I CERTIFY THAT: <input checked="" type="checkbox"/> ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET. <input type="checkbox"/> THIS DRAWING OR PAGE.</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/> IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND</td> <td><input type="checkbox"/> IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND</td> </tr> <tr> <td><input checked="" type="checkbox"/> HAS / HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS</td> <td><input type="checkbox"/> HAS / HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS</td> </tr> </table> <p>SIGNATURE DATE SIGNATURE DATE</p> <p>ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE. ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBILITY FOR THIS PORTION OF THE WORK.</p> <p>PRINT NAME PRINT NAME</p> <p>C 26450 05/31/2021 LICENSE NUMBER EXPIRATION DATE C 26450 05/31/2021 LICENSE NUMBER EXPIRATION DATE</p>	<input checked="" type="checkbox"/> IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND	<input type="checkbox"/> IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND	<input checked="" type="checkbox"/> HAS / HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS	<input type="checkbox"/> HAS / HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS	<p>CODE ANALYSIS</p> <p>BUILDING DATA SUMMARY:</p> <p>DSPS BUILDING OCCUPANCY TYPE: B CONSTRUCTION TYPE: VB SPRINKLERED: NO TOTAL BUILDING S.F.: 4,320 S.F.</p> <p>ALLOWABLE AREA AND HEIGHT: OCCUPANCY: B NUMBER OF STORIES: 2 BUILDING HEIGHT: 40' MAX. BLDG. AREA (S) EA. FLOOR: 9,000 S.F. TOTAL ALLOWABLE EA. FLOOR: 9,000 S.F.</p> <p>C.B.C. 2019 TABLE 504.3 AND 504.4 AND 506.2 AND SECTION 506.3</p>	<p>VICINITY MAP</p>	<p>PROJECT DIRECTORY</p> <p>CLIENT: IMPERIAL COMMUNITY VALLEY COLLEGE 380 E. ATEN ROAD IMPERIAL, CA 92251 TELEPHONE: 760.457.6995 CONTACT: JOE JACKSON EMAIL: joe.jackson@imperial.edu</p> <p>CIVIL: DYNAMIC CONSULTING ENGINEERS 2415 IMPERIAL BUSINESS PARK DRIVE, SUITE B IMPERIAL, CA 92251 TELEPHONE: 760.545.9162 CONTACT: CARLOS BELTRAN EMAIL: cbeltran@dcinc.pro</p> <p>ARCHITECT: SGN ARCHITECTS 707 BROOKSIDE AVENUE REDLANDS, CA 92373 TELEPHONE: 909.375.3030 CONTACT: MICHAEL STEPHENS, AIA, NCARB EMAIL: mstephens@sgnarch.com</p> <p>MECHANICAL: P2S 5000 EAST SPRING STREET, SUITE 800 LONG BEACH, CA 90815 TELEPHONE: 562.497.2999 CONTACT: JAMES DEL MONACO EMAIL: james.delmonaco@p2sinc.com</p> <p>PLUMBING: P2S 5000 EAST SPRING STREET, SUITE 800 LONG BEACH, CA 90815 TELEPHONE: 562.497.2999 CONTACT: JAMES DEL MONACO EMAIL: james.delmonaco@p2sinc.com</p> <p>ELECTRICAL: P2S 5000 EAST SPRING STREET, SUITE 800 LONG BEACH, CA 90815 TELEPHONE: 562.497.2999 CONTACT: MARCO CABIBBO/AARON CHEE EMAIL: marco.cabibbo@p2sinc.com aaron.chee@p2sinc.com</p> <p>MODULAR BUILDING: SILVER CREEK INDUSTRIES, INC. 2630 BARRETT AVE PERRIS, CA 92571 TELEPHONE: 951.943.5393 CONTACT: JOHN STARLIN EMAIL: jstarlin@silver-creek.net</p>	<p>CAMPUS MAP</p> <p>SITE LOCATION</p>																						
<input checked="" type="checkbox"/> IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND	<input type="checkbox"/> IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN, AND																														
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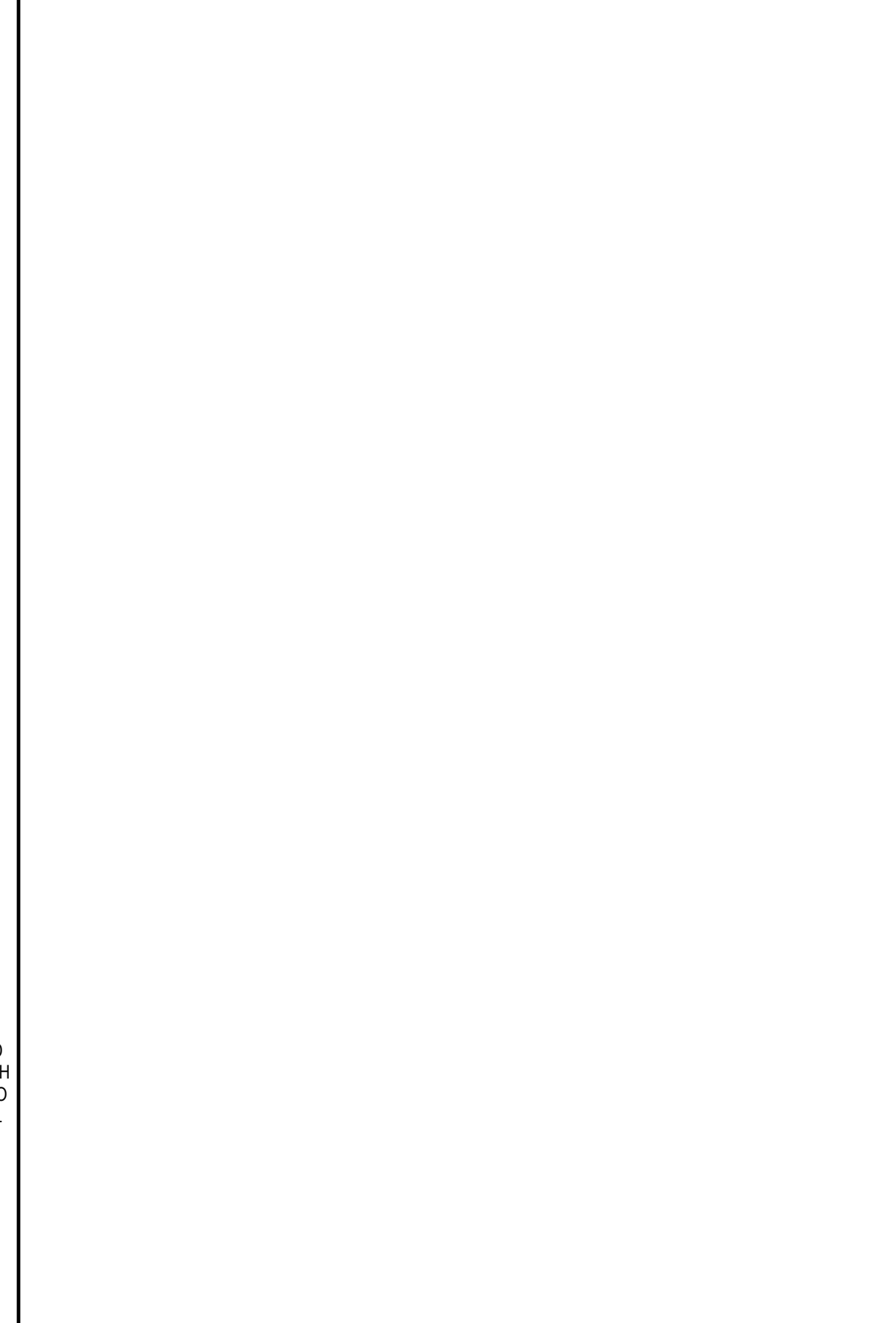


KEYNOTES

- DESCRIPTION
- AS.01 EXISTING ACCESSIBLE PARKING (DSAR#04-108533, 115279)
 - AS.02 EXISTING TOW-AWAY SIGN (DSAR#04-108533, 115279)
 - AS.03 EXISTING ACCESSIBLE CURB RAMP (DSAR#04-108533, 110973, 115279)
 - AS.04 EXISTING TRUNCATED DOMES (DSAR#04-108533)
 - AS.05 EXISTING TOW-AWAY SIGN (DSAR#04-110557, 115279)
 - AS.07 EXISTING ACCESSIBLE LOADING ZONE (DSAR#04-108533)
 - AS.09 EXISTING ACCESSIBLE PARKING (DSAR#04-110557)

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 04-119394 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/17/2020



DSA A# / BUILDING INFORMATION

BUILDING #	BUILDING NAME	ORIGINAL	BUILDING MODERNIZATION	SHADE STRUCTURE
10/40	ADMINISTRATION	A-21614	A-38564	
100	COUNSELING/ FINANCIAL AID	A-21614	A-38564	
200	SOCIAL SCIENCES ENGLISH	A-21614	A-38564, A-59185	
300	FINE ARTS	A-21614		
400	ASSEMBLY CENTER/ CLASSROOMS	A-21614	A-111262	
500A	ENGLISH MATHEMATICS	A-20204	A-21614	
500B	REPROGRAPHICS PARKING	A-20204	A-21614	
600	WORKFORCE DEVELOPMENT CENTER	A-21614	A-29289, A-38800	
700	GYMNASIUM	A-21614	A-28153, A-27239, A-28378, A-30405, A-32394, A-38311, A-100778, A-104120	
800	BUSINESS	A-21614	A-29289, 04-118720	
900	MEYER BUSINESS BUILDING	A-33912	A-52343, A-112788	
1000	STUDENT AFFAIRS OFFICE	A-33912		
1100	AUTO TECHNOLOGY	A-21614		
1200	AUTO TECHNOLOGY HUMANITIES	A-33832		
1300	AUTO TECHNOLOGY HUMANITIES	A-33832		
1400	TOOL STORAGE	UNKNOWN		
1500	LIBRARY MEDIA CENTER	A-35944	A-100290, A-110557	
1600	TECHNOLOGY CENTER	A-38575		
1700	WORKFORCE DEVELOPMENT CENTER	UNKNOWN		
1800	MAINTENANCE/ WAREHOUSE	A-30409		
1900	BOOKSTORE	UNKNOWN		
2100	HEALTH SCIENCES DISABLED STUDENT	A-42726		
2200	PRESCHOOL	A-54425		
2300	INFANT TODDLER CENTER	A-100748		
2400	HUMAN RESOURCES	NONE		
2500	MATH LAB CENTER	UNKNOWN		
2600	READING WRITING LANGUAGE LABORATORY	A-103704		
2700	SCIENCE	A-108533		
2800	ART GALLERY	A-110775		
3100	CAREER TECHNICAL	A-112064		
3200	CAREER TECHNICAL	A-112064		
A	INFORMATION BOOTH "A"	N/A		
B	INFORMATION BOOTH "B"	N/A		
C	SHOWERS/ TOILETS	UNKNOWN		
D	FROCKS AND GRANDBANDS	A-39352		
E	CARPENTER SHOP	UNKNOWN		
G	SHADE STRUCTURE			A-110557
H	SHADE STRUCTURE			A-110557
J	SHADE STRUCTURE			A-110557
K	KIOSK	A-110557		
L	SHADE STRUCTURE			A-110557
M	SHADE STRUCTURE			A-110557
N	SHADE STRUCTURE			A-110557
P	SHADE STRUCTURE			A-11893
Q	SHADE STRUCTURE			A-11893
R	SHADE STRUCTURE			AT01106
S	SHADE STRUCTURE			A54425
T-100	RELOCATABLE CLASSROOM	A-110973		
T-200	RELOCATABLE CLASSROOM	A-110973		
T-300	RELOCATABLE CLASSROOM	A-110973		
T-400	RELOCATABLE CLASSROOM	A-110973		
T-500	RELOCATABLE CLASSROOM	A-110973		
T-600	RELOCATABLE CLASSROOM	A-110973		

PATH OF TRAVEL NOTES:

- EXISTING ACCESSIBLE PATH OF TRAVEL (DSAR#04-110557)
- DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL. REQUIREMENTS FOR ALTERATIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON COMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS, AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECT BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCOMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A "CONSTRUCTION CHANGE DOCUMENT"
- GATES IN THE ACCESSIBLE PATH OF TRAVEL SHALL COMPLY WITH ALL DOOR REQUIREMENTS STATED IN CBC SECTIONS 1010 AND 118-04 FOR DOOR WIDTH, CLEARANCE, LANDINGS, DOOR HARDWARE, EXIT DEVICE, DOOR OPERATING FORCE AND SURFACES.

CONSULTANT:

ACCESSIBILITY SITE PLAN



DSPS MODULAR BUILDING
IMPERIAL VALLEY COLLEGE

380 EAST ATEN ROAD, IMPERIAL, CA 92251



PROJECT NUMBER: 18-43100-00
PROJECT STATUS: CD 100%
PROJECT ISSUED: 12/14/2020
REVISION: DATE: DESCRIPTION

GO.3



Attachment 1
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
Division of the State Architect - Structural Safety (DSA-SS)
(CCR, Title 24, Part 11)

CHAPTER 3 – GREEN BUILDING
SECTION 301 – GENERAL

- 301.4 Mandatory measures for public schools and community colleges. (DSA-SS) New building construction and site work on a new or existing site shall comply with Chapter 5 as adopted by DSA-SS.
301.4.1 Building and site construction on a new site shall comply with Chapter 5 as adopted by DSA-SS.
301.4.2 Work on an existing site shall comply with Section 301.4.2.
301.4.2.1 Newly constructed site work shall comply with Chapter 5 as adopted by DSA-SS.
301.4.2.2 Newly constructed buildings shall comply with Chapter 5 as adopted by DSA-SS and Section 301.4.3.
301.4.2.3 Additions to existing buildings shall comply with Section 301.4.3.
301.4.2.4 Rehabilitated landscape areas shall comply with Sections 5.304.6 and 5.106.12.
301.4.3 Minimum rehabilitated landscape area requirement. A minimum rehabilitated landscape area equal to 75 percent of the footprint area of the building shall comply with Section 5.304.6 and Section 106.12. New buildings or additions to existing buildings less than 1,600 square feet shall not be required to comply with Section 301.4.3.

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES
DIVISION 5.1 – PLANNING AND DESIGN

- SECTION 5.106 – SITE DEVELOPMENT
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.
5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.
5.106.4.2.2 Staff bicycle parking. Provide permanent secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:
1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.
5.106.5.3 Electric vehicle (EV) charging. (N) Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the California Building Code, the California Electrical Code and as follows:

- 5.106.5.3.1 Single charging space requirements. (N) When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:
1. The type and location of the EVSE.
2. A listed raceway capable of accommodating a 208/240-volt dedicated branch circuit.
3. The raceway shall not be less than trade size 1 inch.
4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into a listed suitable cabinet, box, enclosure or equivalent.
5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-ampere dedicated branch circuit for the future installation of the EVSE.
5.106.5.3.2 Multiple charging space requirements. (N) When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the California Electrical Code. Construction plans and specifications shall include, but are not limited to, the following:
1. The type and location of the EVSE.
2. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.
3. Plan design shall be based upon 40-ampere minimum branch circuits.
4. Electrical calculations shall substantiate the design of the electrical system, to include the rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.
5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.
EV charging space calculation. (N) Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.
Exceptions: On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:
1. Where there is insufficient electrical supply.
2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

TABLE 5.106.5.3.3
TOTAL NUMBER OF ACTUAL PARKING SPACES vs NUMBER OF REQUIRED EV CHARGING SPACES

- 5.106.5.3.4 (N) Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE." The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."
5.106.5.3.5 (N) Future charging spaces. Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.
5.106.8 Light pollution reduction. (N) Outdoor lighting systems shall be designed and installed to comply with the following:
1. The minimum requirements in the California Energy Code for Lighting Zones 0 to 4 as defined in Chapter 10, Section 10-11.4 of the California Administrative Code, and
2. Backlight, (B) ratings as defined in Illuminating Engineering Society of North America (IESNA) TM-15-11 (shown in TABLE A-1 in Chapter 8), and
3. Uplight and Glare ratings as defined in California Energy Code (shown in TABLES 130.2-A and 130.2-B in Chapter 8) and
4. Allowable Backlight, Uplight, and Glare (BUG) ratings not exceeding those shown in Table 5.106.8 (N), or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.
Exceptions: (N)
1. Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.

- Notes:
1. (N) See also California Building Code, Chapter 12, Section 1205.7 for college campus lighting requirements for parking facilities and walkways.
2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for Illuminating Engineering Society Technical Memorandum TM-15-11 Table A-1, California Energy Code Tables 130.2-A and 130.2-B.
3. Refer to the California Energy Code for requirements for additions and alterations.

TABLE 5.106.8 (N)
MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS
(See CALGreen for TABLE)

- 5.106.10 Grading and paving. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:
1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.
Exception: Additions and alterations not altering the drainage path.
5.106.12 Shade trees. (DSA-SS) Shade trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.
5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50% of the parking area within 15 years.
Exception: The surface parking area covered by solar photovoltaic shade structures, or shade structures with rooftop materials that comply with Table AS.106.11.2.2 in Appendix AS, are not included in the total area calculation.
5.106.12.2 Landscape areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 20% of the landscape area within 15 years.
Exception: Playfields for organized sport activity are not included in the total area calculation.
5.106.12.3 Hardscape areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 20% of the hardscape area within 15 years.
Exception: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table AS.106.11.2.2 in Appendix AS, are not included in the total area calculation.

DIVISION 5.2 – ENERGY EFFICIENCY

- SECTION 5.201 – GENERAL
5.201.1 California Energy Code. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards.

DIVISION 5.3 – WATER EFFICIENCY AND CONSERVATION

- SECTION 5.303 – INDOOR WATER USE
5.303.2 Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
5.303.3.1 Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specifications for Tank-Type Toilets.
Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.
5.303.3.2 Urinals.
5.303.3.2.1 Wall mounted urinals. The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush.
5.303.3.2.2 Floor mounted urinals. The effective flush volume of floor mounted or other urinals shall not exceed 0.5 gallons per flush.
5.303.3.3 Showerheads
5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specifications for showerheads.
5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the showerhead shall be designed to allow only one shower outlet to be in operation at one time.
Note: A hand-held shower shall be considered a showerhead.
5.303.3.4 Faucets and fountains
5.303.3.4.1 Non-residential lavatory faucets. Non-residential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.
5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.
5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 (rim space (inches) at 60 psi).
5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per minute.
5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per cycle/20 (rim space (inches) at 60 psi).
Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.
5.303.6 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the California Plumbing Code, and shall meet the applicable standards referenced in Table 1701.1 of the California Plumbing Code and in Chapter 6 of this code.

SECTION 5.304 – OUTDOOR WATER USE

- 5.304.6 Outdoor potable water use in landscape areas. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, California Code of Regulations, except that the Evapotranspiration Adjustment Factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.
Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.
5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.
5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 – MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

- SECTION 5.407 – WATER RESISTANCE AND MOISTURE MANAGEMENT
5.407.1 Weather protection. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code, Section 1402.2 (Weather Protection), manufacturer's installation instructions, or local ordinance, whichever is more stringent.
5.407.2 Moisture control. Employ moisture control measures by the following methods:
5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.
5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:
5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:
1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.
5.407.2.2.2 Flashing. Installed flashings integrated with a drainage plane.
SECTION 5.408 – CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING
5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Sections 5.408.1.1, 5.408.1.2 or 5.408.1.3, or meet a local construction and demolition waste management ordinance, whichever is more stringent.
5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that:
1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.

- 2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.
5.408.1.2 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.
Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.
Exceptions to Sections 5.408.1.1 and 5.408.1.2:
1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.
5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.
5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.
Notes:
1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bac.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

SECTION 5.410 – BUILDING MAINTENANCE AND OPERATION

- 5.410.1 Recycling by occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.
Exception: Rural jurisdictions that meet and apply for the exemption of Public Resources Code 42949.52 (a)(2)(A) et seq. will also be exempt from the organic waste portion of this section.
5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the Public Resources Code. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).
Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's website.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.504.1 – POLLUTANT CONTROL

- 5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.
5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.5.
5.504.4.1 Adhesives, sealants, and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:
1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene, and trichloroethylene), except for aerosol products as specified in subsection 2, below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.
TABLE 5.504.4.1 – ADHESIVE VOC LIMIT (See CALGreen for TABLE)
TABLE 5.504.4.2 – SEALANT VOC LIMIT (See CALGreen for TABLE)
5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3, shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

- TABLE 5.504.4.3 – VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (See CALGreen for TABLE)
5.504.4.3.1 Aerosol paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of California Code of Regulations, Title 17, commencing with Section 94520, and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.
5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:
1. Manufacturer's product specification.

SECTION 5.504.1 – POLLUTANT CONTROL

- 5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.
5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.
5.504.4.1 Adhesives, sealants, and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:
1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene, and trichloroethylene), except for aerosol products as specified in subsection 2, below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compound (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of California Code of Regulations, Title 17, commencing with Section 94507.
TABLE 5.504.4.1 – ADHESIVE VOC LIMIT (See CALGreen for TABLE)
TABLE 5.504.4.2 – SEALANT VOC LIMIT (See CALGreen for TABLE)
5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3, shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

- TABLE 5.504.4.3 – VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS (See CALGreen for TABLE)
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5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:
1. Manufacturer's product specification.

- 2. Field verification of on-site product containers.
5.504.4. Carpet systems. All carpet installed in the building interior shall meet at least one of the following testing and product requirements:
1. Carpet and Rug Institute's Green Label Plus Program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350);
3. NSF/ANSI 140 at the Gold level or higher;
4. Scientific Certifications Systems Sustainable Choice; or
5. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria 2014 and listed in the CHPS High Performance Product Database.
5.504.4.4 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.
5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.
5.504.4.5 Composite wood products. Hardwood plywood, particleboard, and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted by the ATCM must meet the specified emission limits as shown in Table 5.504.4.5.

TABLE 5.504.4.5 – FORMALDEHYDE LIMITS
(See CALGreen for TABLE)

- 5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:
1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
3. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria 2014 and listed in the CHPS High Performance Product Database; or
4. Products certified under the UL GREENGUARD Gold (formerly the Greenguard Children & Schools program).
5.504.4.5 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.
Exception: Existing mechanical equipment.
5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

SECTION 5.505 – INDOOR MOISTURE CONTROL

- 5.505.1 Indoor moisture control. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures see Section 5.407.2 of this code.
SECTION 5.506 – INDOOR AIR QUALITY
5.506.1 Outside air delivery. For mechanically or naturally ventilated spaces in buildings, meet the requirements of Section 120.1 (Requirements for Ventilation) of the California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

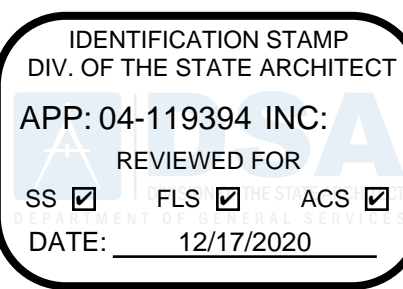
SECTION 5.507 – ENVIRONMENTAL COMFORT

- 5.507.1 Acoustical control. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.
Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.
Exception: (DSA-SS) For public schools and community colleges, the requirement of this section and all subsections apply only to new construction.
5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:
1. Within the 65 CNEI noise contour of an airport.
Exceptions:
1. L_w or CNEI for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
2. L_w or CNEI for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.
2. Within the 65 CNEI or L_w noise contour of a freeway or expressway railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.
5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB_{L_w}-1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).
5.507.4.2 Performance method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (L_{eq}-1HR) of 50 dBA in occupied areas during any hour of operation.
5.507.4.2.1 Site features. Exterior features such as sound wall or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

- 5.507.4.2.2 Documentation of compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.
5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.
Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control www: https://www.tsb.org/files/STC_ICR_Ratings.pdf

SECTION 5.508 – OUTDOOR AIR QUALITY

- 5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.
5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.



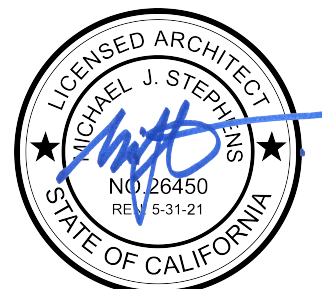
CONSULTANT

C.A. GREEN CODE CHECKLIST

DSPS MODULAR BUILDING IMPERIAL VALLEY COLLEGE 380 EAST ATEN ROAD, IMPERIAL, CA 92251



SEALS



PROJECT NUMBER: 18-43100-00 PROJECT STATUS: CD 100% PROJECT ISSUED: 12/14/2020 REVISION: DATE: DESCRIPTION:

sgn ARCHITECTS

G0.4



IMPERIAL VALLEY COLLEGE

DSPS MODULAR BUILDING

GRADING AND IMPROVEMENT PLANS



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/17/2020

CONSULTANT:
Dynamic CONSULTING ENGINEERS
2415 IMPERIAL BUSINESS PARK DR., SUITE B
IMPERIAL, CA 92251
PHONE: 760-545-0162
FAX: 760-545-0163

GENERAL NOTES

COUNTY ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.

THE STRUCTURAL SECTIONS SHALL BE IN ACCORDANCE WITH IMPERIAL COUNTY STANDARDS (OR CALTRANS IF IN STATE ROW) AND AS APPROVED BY THE PUBLIC WORKS DIRECTOR (OR CALTRANS).

APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.

LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISION ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.

UTILITIES COORDINATION

NO LESS THAN 3 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED. THE AGENCY MAY REQUIRE AN INSPECTOR TO BE PRESENT.

GAS:	TELEPHONE NO.	811
ID POWER:	TELEPHONE NO.	(760) 339-9280
ID WATER:	TELEPHONE NO.	(760) 339-9263
AT&T TELEPHONE:	TELEPHONE NO.	(800) 422-4133
SPECTRUM:	TELEPHONE NO.	(800) 422-4133

EXISTING UNDERGROUND UTILITIES BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

ACCURATE VERIFICATIONS AS TO SIZE, LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHERN CALIFORNIA GAS COMPANY, IMPERIAL IRRIGATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK NEAR SUCH UTILITY FACILITIES AND SHALL COORDINATE HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND COORDINATE CONSTRUCTION.

CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN COUNTY ROAD RIGHT-OF-WAY. FOR INSPECTIONS, TWO WORKING DAYS MINIMUM NOTICE IS REQUIRED. (442) 265-1818.

UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEIR CONTACT NUMBER IS 811. ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS OR THEIR REPRESENTATIVE.

NO REVISIONS OF ANY KIND SHALL BE MADE TO THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF BOTH THE COUNTY ENGINEER (OR HIS REPRESENTATIVE) AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE PUBLIC WORKS DEPARTMENT AS A CONDITION OF SUBSTANTIAL CONSTRUCTION COMPLETION AND PRIOR TO ACCEPTANCE.

ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS. THE IMPERIAL COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND ENCROACHMENT PERMIT CONDITIONS, ANY REFERENCED STANDARDS AND SPECIFICATIONS AND THE SPECIFICATIONS & THE REQUIREMENTS OF THE AGENCIES REFERRED TO HEREIN. ALL WORK SHOWN OR INDICATED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS, POLICIES AND REGULATIONS OF IMPERIAL COUNTY, WHERE, OR IF, CONFLICTS OCCUR, THEN THE IMPERIAL COUNTY REQUIREMENTS SHALL GOVERN.

UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED MAY 2006*. ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND STANDARDS.

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT WORK AREA TRAFFIC CONTROL HANDBOOK OR AS DIRECTED BY THE IMPERIAL COUNTY TRAFFIC ENGINEER.

ANY EXISTING SURVEY MONUMENTS OR COUNTY RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTOR. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE REMOVED, DAMAGED, OBLITERATED OR ALTERED BY THE CONTRACTORS OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER RESETTING OF THE SAME AS PER THE SUBDIVISION MAP ACT, THE PROFESSIONAL LAND SURVEYORS ACT AND THE SATISFACTION OF THE COUNTY SURVEYOR/DIRECTOR OF PUBLIC WORKS. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY AS APPROPRIATE SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER.

DUST SHALL BE CONTROLLED BY THE CONTRACTOR IN ACCORDANCE WITH ALL IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) FUGITIVE DUST CONTROL RULES AND REGULATIONS AND SHALL COMPLY WITH THEIR PERMITTING REQUIREMENTS, IF APPLICABLE.

THE NOTES LISTED ABOVE ARE A MINIMUM LIST. THIS DOES NOT RELIEVE THE ENGINEER FROM COMPILING ADDITIONAL NOTES THAT MAY BE REQUIRED FOR THE PROJECT.

PROJECT INFORMATION

PROJECT OWNER
IMPERIAL VALLEY COLLEGE
380 E. ATEN ROAD
IMPERIAL, CA 92251

ARCHITECT
SGH ARCHITECTS
707 BROOKSIDE AVE.
REDLANDS, CA 92351
TEL. (909) 375-3030

ENGINEER
DYNAMIC CONSULTING ENGINEERS, INC.
2415 IMPERIAL BUSINESS PARK DR. STE. B
IMPERIAL, CA 92251
TEL. (760) 545-0162
FAX. (760) 545-0163

GEOTECHNICAL ENGINEER
LANDMARK CONSULTANTS
780 N. 4TH STREET
EL CENTRO, CA 92243
TEL. (760) 370-3000
LCI REPORT NO. LE20064

NOTE TO CONTRACTOR

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

ENGINEER'S NOTE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS.

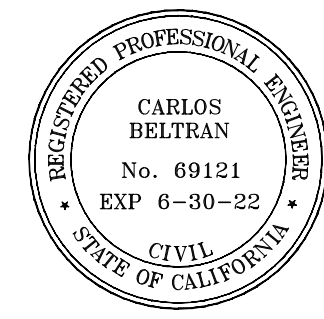
DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THE PROJECT, THAT HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

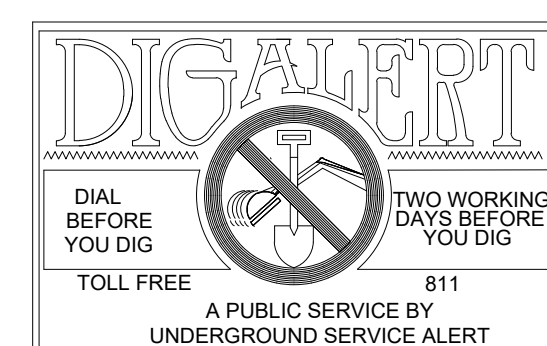
I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE COUNTY OF IMPERIAL IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT DESIGN.

CARLOS BELTRAN, P.E.
DYNAMIC CONSULTING ENGINEERS, INC.
2415 IMPERIAL BUSINESS PARK DR. STE. B
IMPERIAL, CA 92251
(760) 545-0162

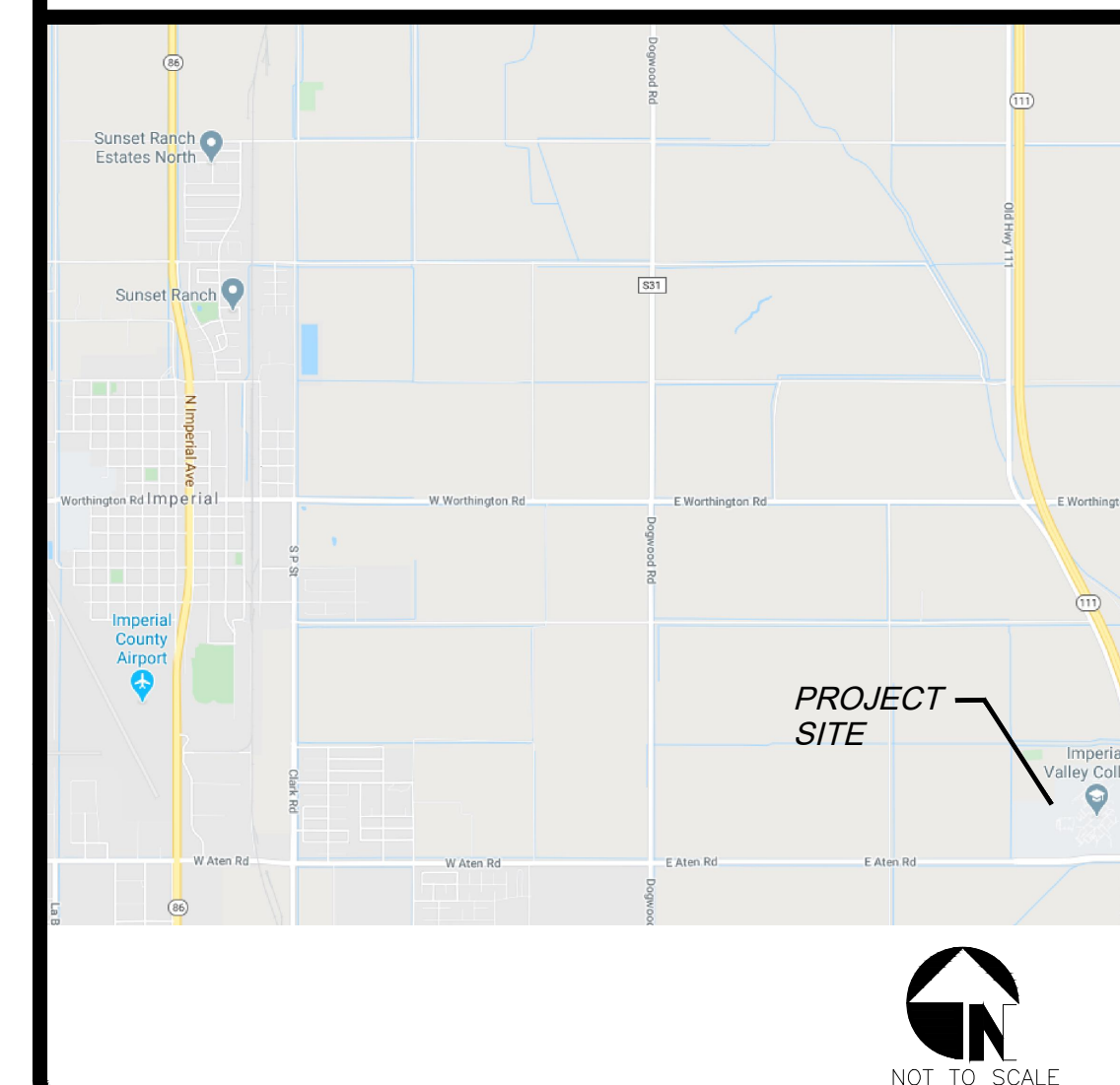
9/2/2020
DATE
CARLOS BELTRAN, P.E.
R.C.E. # 69121



TOPOGRAPHICAL SURVEY CONDUCTED BY
DYNAMIC CONSULTING ENGINEERS ON
JANUARY 2020.



VICINITY MAP



PROJECT LOCATION MAP



BENCHMARK

BENCHMARK ELEVATION = 945.52' (NAVD'88+1000')

BENCHMARK DESCRIPTION:
THE STATION MARK IS A STANDARD BENCHMARK DISK SET IN A RETAINING WALL, 0.15 MILE NORTH OF THE CROSSING OF ATEN ROAD AT THE JUNCTION OF A SPUR TRACK SOUTH, IN THE TOP OF 1.0 FOOT SOUTH OF THE NORTH END OF THE EAST CONCRETE HEADWALL.

SYMBOLS

ITEM NO.	ITEM	SYMBOL
1	STREET R/W LINE	---
2	STREET CL	---
3	CABLE TV	---
4	DRAIN (FIELD)	---
5	EX. EDGE OF ASPHALT	---
6	PROP. EDGE OF ASPHALT	---
7	EX. ASPHALT CONCRETE	---
8	PROP. ASPHALT CONCRETE	---
9	EDGE OF DIRT	---
10	CONCRETE SECTION	---
11	ROAD STRIPING	---
12	CONTOURS - MAJOR	---
13	CONTOURS - MINOR	---
14	CONTROL	△ N-17
15	SPOT ELEVATION	x 961.44
16	BENCHMARK (SEE DESCRIPTION)	⊕ 967.06±
17	BORROW PIT ELEVATIONS	---
18	PROPOSED BORROW PIT	---

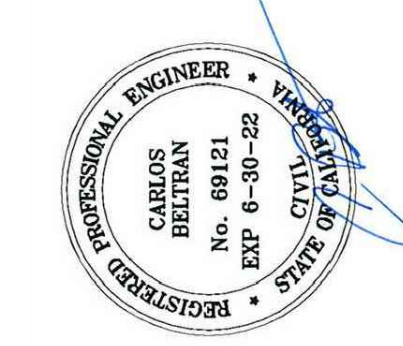
SHEET INDEX

- TITLE SHEET
- EXISTING TOPO AND DEMOLITION PLAN
- GRADING AND IMPROVEMENTS PLAN
- EROSION CONTROL PLAN
- DETAILS

ABBREVIATIONS

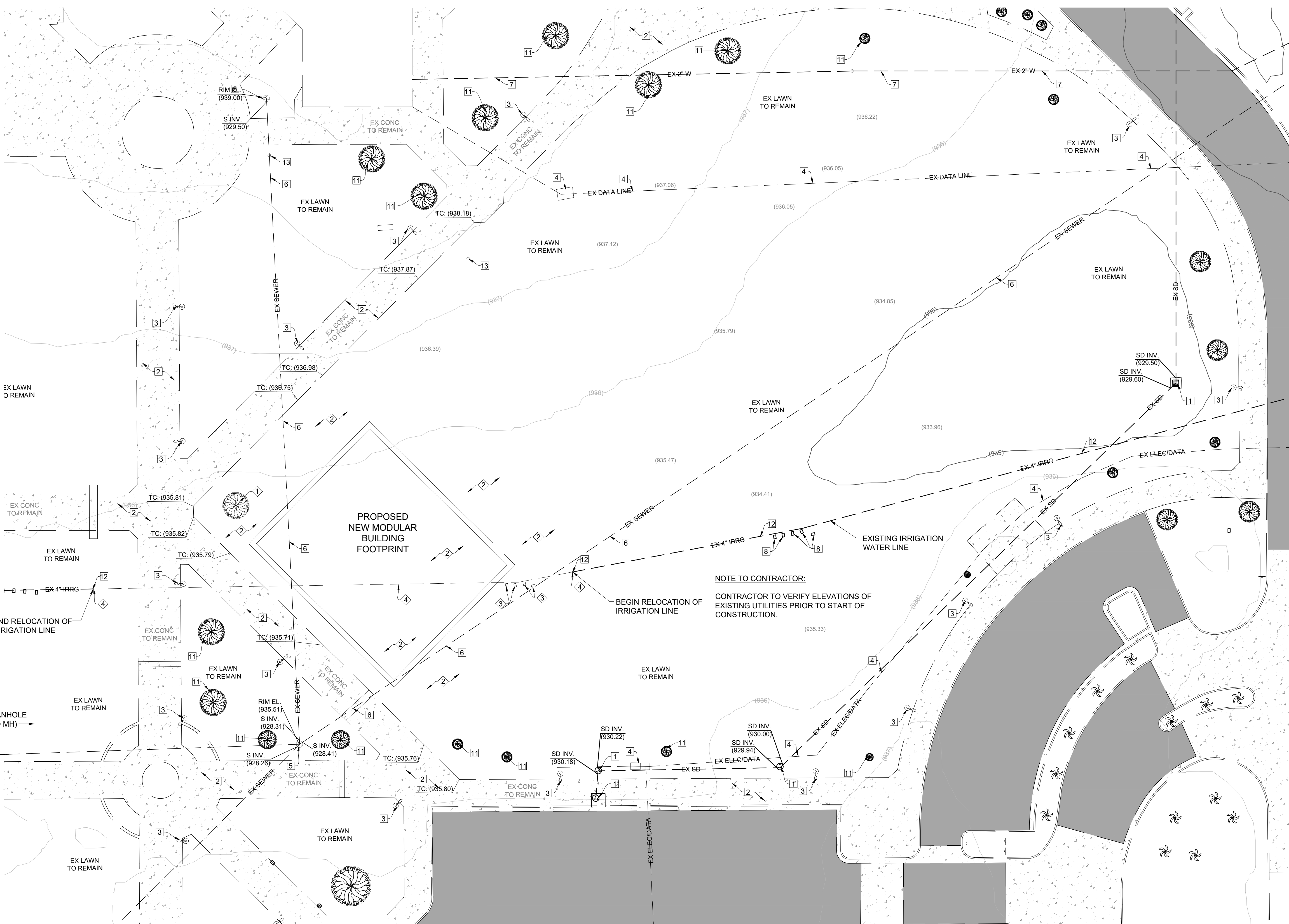
AGG. APPROX.	AGGREGATE APPROXIMATE	MIN	MINIMUM
Asph.	ASPHALT	N	NORTH
B.M.	BENCHMARK	N/O	NORTH OF
C. OR CL	CENTERLINE	OHE	OVER HEAD ELECTRIC
CLR	CLEARANCE	PROP.	PROPOSED
CONC.	CONCRETE	R/W OR ROW	RIGHT-OF-WAY
E	EAST	RD	ROAD
E.P.	EDGE OF PAVEMENT	STA.	STATION
EL. OR ELEV.	ELEVATION	S	SEWER
EX. OR EXIST.	EXISTING	SD	STORM DRAIN
FL	FLOW LINE	T.P.	TOP OF PAVEMENT
F.S.	FINISH SURFACE	TYP	TYPICAL
MAX	MAXIMUM	W	WATER
		W/O	WEST OF

TITLE SHEET
DSPS MODULAR BUILDING
IMPERIAL VALLEY COLLEGE
380 EAST ATEN ROAD, IMPERIAL, CA 92251



sgn ARCHITECTS
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PROJECT NUMBER: 19-43100-00
PROJECT STATUS: CD 100%
PROJECT ISSUED: 08/24/2020
REVISION: DATE: DESCRIPTION

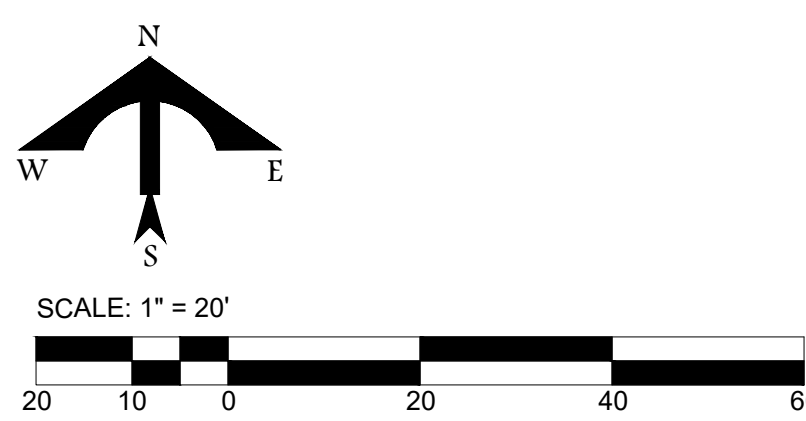


EXISTING FACILITY KEYNOTES:

- 1 EXISTING STORM DRAIN STRUCTURE TO REMAIN.
- 2 EXISTING SIDEWALK TO REMAIN.
- 3 EXISTING LIGHTS TO REMAIN.
- 4 EXISTING ELECTRICAL TO REMAIN.
- 5 EXISTING SEWER MANHOLE TO REMAIN.
- 6 EXISTING SEWER LINE TO REMAIN.
- 7 EXISTING WATER LINE TO REMAIN.
- 8 EXISTING WATER VALVE TO REMAIN.
- 9 EXISTING FIRE HYDRANT TO REMAIN.
- 10 EXISTING COMMUNICATION BOX TO REMAIN.
- 11 EXISTING TREES TO REMAIN.
- 12 EXISTING IRRIGATION LINE TO REMAIN.
- 13 EXISTING SEWER/SD CLEANOUT TO REMAIN.

DEMOLITION KEYNOTES:

- 1 REMOVE AND REPLANT EXISTING TREE.
- 2 REMOVE AND DISPOSE EXISTING IRRIGATION LINES IN CONFLICT WITH THE NEW BUILDING. CAP DEAD END EXISTING IRRIGATION LINES THAT WILL REMAIN IN OPERATION. MAINTAIN IRRIGATION SYSTEM IN OPERATION.
- 3 REMOVE AND RELOCATE EXISTING IRRIGATION WATER METER/VALVES AWAY FROM AWAY FROM PROPOSED NEW MODULAR BUILDING.
- 4 REMOVE PORTION OF EXISTING 4" IRRIGATION LINE IN CONFLICT WITH PROPOSED NEW MODULAR BUILDING. SEE IMPROVEMENTS PLANS FOR NEW NEW LOCATION OF 4 INCH IRRIGATION LINE.

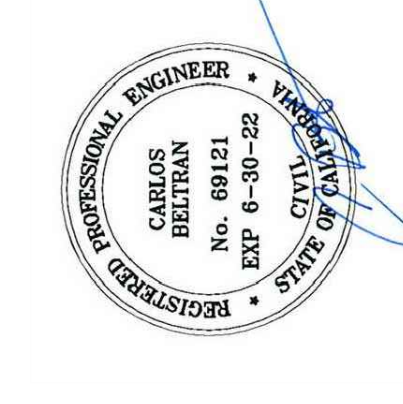


EXISTING TOPO AND DEMOLITION PLAN

DSPS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE



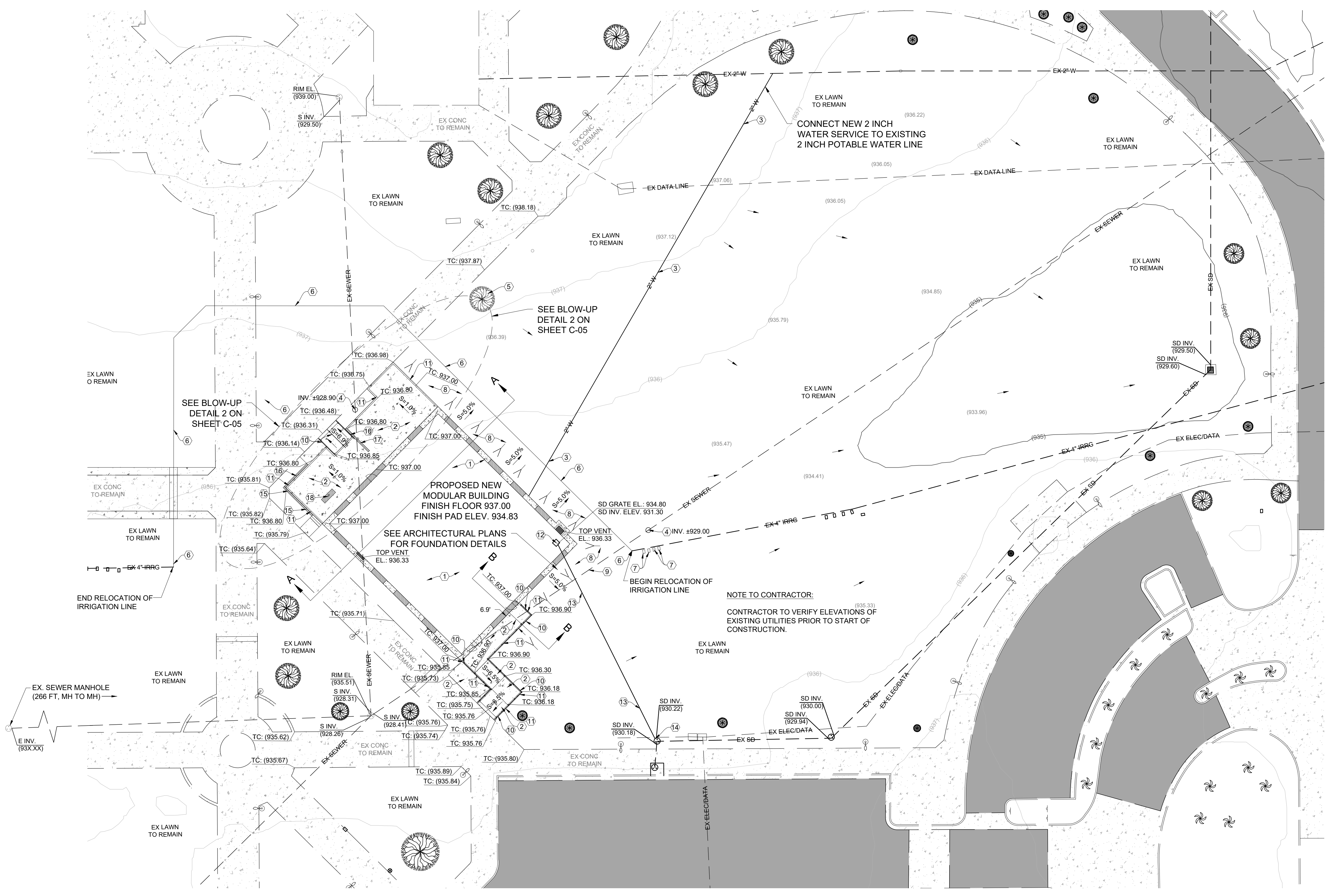
380 EAST ATEN ROAD, IMPERIAL, CA 92251



PROJECT NUMBER: 19-43100-00
 PROJECT STATUS: CD 100%
 PROJECT ISSUED: 08/24/2020
 REVISION: DATE: DESCRIPTION:



SEALS



SITE DEVELOPMENT AND GRADING

CLEARING AND GRUBBING: AT THE TIME OF CONSTRUCTION, ALL EXISTING DEBRIS AND VEGETATION SUCH AS GRASS, BRUSH, AND TREES ON THE SITE SHOULD BE REMOVED. ROOT BALLS SHALL BE COMPLETELY EXCAVATED. ORGANIC STRIPPINGS SHOULD BE STOCKPILED AND SHOULD NOT BE INCORPORATED INTO ANY ENGINEERED FILLS. ANY TRASH, CONSTRUCTION DEBRIS, CONCRETE SLABS, OLD PAVEMENT, LANDFILL, AND BURIED OBSTRUCTIONS SHOULD BE LOCATED BY THE GRADING CONTRACTOR.

MODULAR BUILDING FOUNDATION: BUILDING PAD SHALL BE PREPARED PER THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY LANDMARK CONSULTANTS, INC., LOCATED AT 780 N. 4TH STREET, IN EL CENTRO, CA., DATED MAY 26, 2020, LCI REPORT NO. LE20064.

THE NATIVE SOILS WITHIN THE MODULAR BUILDING AREA BE REMOVED TO SUB-EXCAVATION LEVEL. THE SUB-EXCAVATION LEVEL IS APPROXIMATELY 2 TO 2.5 FEET BELOW THE EXISTING GRADE. FOOTINGS SHALL BE EXCAVATED INTO UNDISTURBED SOIL AT THE BOTTOM OF THE MODULAR UNIT EXCAVATION. THE FOOTINGS SUBGRADE SHOULD BE NEAT CUT AND ALL IRREGULAR SURFACES SHOULD BE CUT SMOOTH TO EXPOSE FIRM (STIFF) SOIL. NO SOIL COMPACTION IS REQUIRED BELOW THE FOOTINGS UNLESS SOIL DISTURBANCE OCCURS.

REMOVAL WILL ALSO ASSIST IN LOCATING ANY BURIED DEBRIS AND MAN-MADE FILLS WHICH SHOULD BE REMOVED AND REPLACED WITH NATIVE SOILS THAT HAS BEEN MOISTURE CONDITIONED TO 5 TO 10 % ABOVE OPTIMUM MOISTURE CONTENT AND COMPACTED TO 85 TO 90% OF ASTM D1557 MAXIMUM DRY DENSITY.

BEFORE PLACEMENT OF CONCRETE FOR FOOTINGS, THE BOTTOM OF THE FOOTING EXCAVATION SHOULD BE MOISTURE CONDITIONED TO 5 TO 10 % ABOVE OPTIMUM TO A MINIMUM DEPTH OF 12 INCHES. SURFACE GRADES SHOULD BE DESIGNED TO DRAIN AWAY FROM THE STRUCTURE.

CONSTRUCTION KEYNOTES:

- SET GRADE FOR NEW MODULAR BUILDING PER NOTES THIS SHEET AND RECOMMENDATIONS FROM THE PROJECT GEOTECHNICAL REPORT
- PLACE 5 INCH CONCRETE WALKWAY OVER 2 INCHES OF SAND. PLACE SAND OVER COMPACTED ENGINEERED FILL. SCARIFY AND RECOMPACT 24 INCHES OF EXISTING NATIVE MATERIAL TO 90% RELATIVE COMPACTION. CONCRETE SHALL HAVE A MAXIMUM WATER CEMENT RATIO OF 0.45 AND A MINIMUM COMPRESSIVE STRENGTH OF 4,500 PSI (MIN. 6 SACKS TYPE V CEMENT PER CUBIC YARD)
- INSTALL 2 INCH SCHEDULE 80 PVC WATER SERVICE LINE.
- INSTALL NEW SEWER CLEANOUT PER DETAIL 1 ON SHEET 5
- NEW LOCATION FOR EXISTING TREE.
- NEW 4 INCH PVC C900 IRRIGATION LINE
- NEW LOCATION FOR EXISTING WATER VALVES/METERS. USE EXISTING METER BOXES.
- BACKFILL BUILDING PERIMETER AT 5% TO MATCH EXISTING GRADE
- CONNECT SEWER LATERAL TO EXISTING SEWER LINE
- INSTALL HANDRAIL PER ARCHITECTURAL DETAILS
- INSTALL 42 INCH (DEPTH) BY 12 INCH (WIDTH) PERIMETER FOOTING AT ALL NEW CONCRETE WALKWAYS ABOVE EXISTING GRADE. SEE CROSS SECTION B ON SHEET 5 FOR ADDITIONAL DETAILS.
- INSTALL 2' x 2' x 4' (DEPTH) PRECAST CONCRETE CATCH BASIN WITH METAL GRATE.
- INSTALL 8 INCH DIAMETER PVC STORM DRAIN PIPE
- CONNECT NEW INCH DIAMETER PVC STORM DRAIN PIPE TO EXISTING STORM DRAIN MANHOLE
- 4-FT WALL PER ARCHITECTURAL PLANS DETAIL 28 SHEET A1.20
- 2.8-FT WALL PER ARCHITECTURAL PLANS DETAIL 28 SHEET A1.20
- 4-FT WALL PER ARCHITECTURAL PLANS DETAIL 4 SHEET A1.20
- CAST IN PLACE CONCRETE BENCH PER ARCHITECTURAL PLANS DETAIL 30 SHEET A1.20

EARTHWORK CALCULATIONS

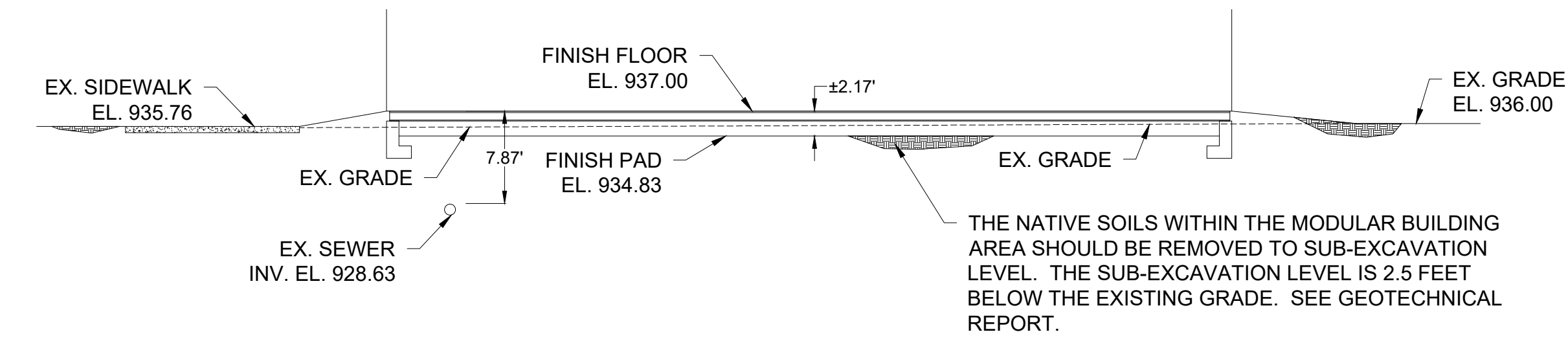
THE EARTHWORK QUANTITIES SHOWN BELOW ARE FOR ESTIMATE PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING EARTHWORK QUANTITIES FOR BID PURPOSES.

MODULAR BUILDING PAD PREPARATION (EXPORT EX. MATERIAL)	450 CYs
MODULAR BUILDING PAD PREPARATION (IMPORT ENGINEERED FILL)	230 CYs

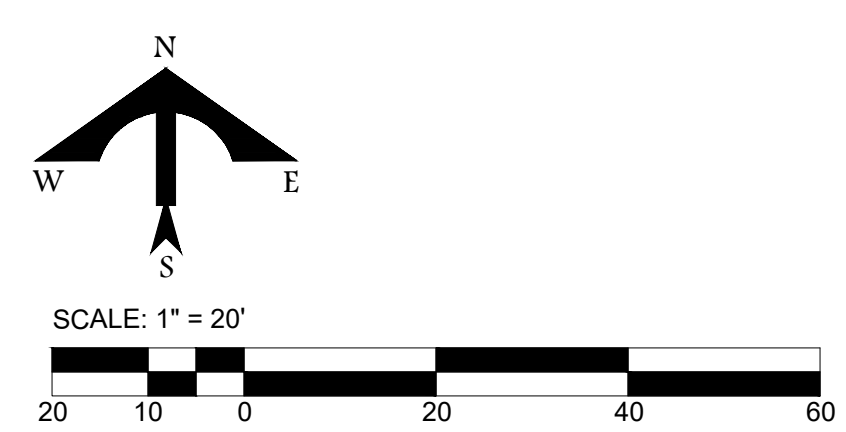
NOTE TO CONTRACTOR:

ALL EXCESS SOIL FROM GRADING AND FOUNDATION WORK SHALL BE PROPERLY REMOVED AND DISPOSED UNDER THIS CONTRACT.

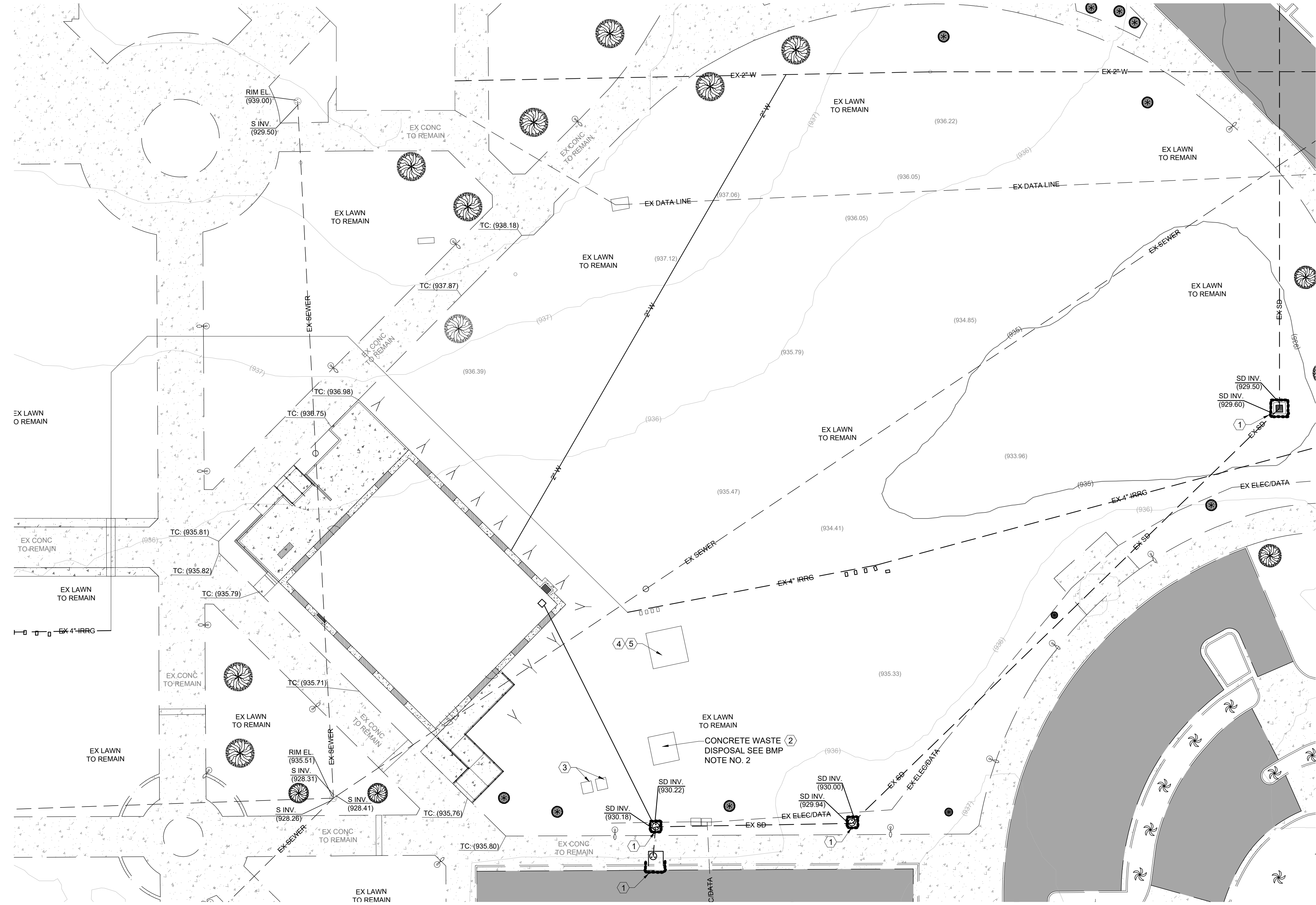
ALL CONCRETE CONTROL JOINTS AND EXPANSION JOINTS TO BE LOCATED AND CONSTRUCTED PER ARCHITECTURAL SITE PLAN AND DETAILS ON ARCHITECTURAL PLAN SHEET A1.20.



CROSS SECTION SECTION A - A



CONSULTANT:



EROSION AND SEDIMENT CONTROL NOTES:

1. FILTERED RUNOFF. ALL RUNOFF SHALL BE FILTERED PRIOR TO DISCHARGING FROM A SITE OR TO ANY TYPE OF PRIVATE OR PUBLIC STORM WATER CONVEYANCE SYSTEM (NATURAL WATERCOURSES, STREETS, GUTTERS, CONCRETE-LINED V-DITCHES, STORM DRAINS, FLOW-LINES, INLETS, OUTLETS, ETC.). ALL NON-PERMITTED DISCHARGES ARE PROHIBITED FROM ENTERING ANY STORM WATER CONVEYANCE SYSTEM YEAR-ROUND.
2. BEST MANAGEMENT PRACTICES (BMP'S), POLLUTION PREVENTION MEASURES, ALSO KNOWN AS BEST MANAGEMENT PRACTICES (BMP'S), MUST BE INSTALLED PRIOR TO ANY FIELD ACTIVITIES. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR ESC (EROSION AND SEDIMENT CONTROL) MEASURES THROUGHOUT THE DURATION OF THE PROJECT FOR ALL CLEARING, DISKING, GRADING, EXCAVATING AND STOCKPILING ACTIVITIES, AND ON ALL EXPOSED SLOPES AND INACTIVE PADS THROUGHOUT THE ENTIRE SITE. THE DEVELOPER/CONTRACTOR IS ALSO RESPONSIBLE FOR ANY DISCHARGES FROM SUBCONTRACTORS.
3. EROSION AND SEDIMENT CONTROLS. ALL ESC MEASURES SHALL BE INSPECTED, RESTORED, REPAIRED OR MODIFIED YEAR-ROUND THROUGHOUT THE SITE TO PROTECT PERIMETERS, ADJACENT PROPERTIES, ENVIRONMENTALLY SENSITIVE AREAS AND ALL PRIVATE/PUBLIC STORM WATER CONVEYANCE SYSTEMS. IF ANY EROSION OR SEDIMENT CONTROLS FAIL DURING ANY RAIN EVENT, MORE EFFECTIVE ONES WILL BE REQUIRED IN THEIR PLACE.
 - a. EROSION CONTROLS. EROSION CONTROLS SHALL INCLUDE, BUT ARE NOT LIMITED TO APPLYING AND ESTABLISHING: VEGETATIVE COVER, WOOD MULCH, STAPLED OR PINNED BLANKETS (STRAW, COCONUT OR OTHER), PLASTIC SHEETING (MINIMUM 10-MIL), POLYPROPYLENE MATS, SPRAY-ON CONTROLS TO ALL DISTURBED AREAS OR OTHER MEASURES APPROVED BY THE COUNTY. JUTE NETTING SHALL NOT BE USED AS A STAND-ALONE EROSION CONTROL. FOR SLOPES GREATER THAN 4:1, PROVIDE FIBER ROLLS AND EITHER A BONDED FIBER MATRIX PRODUCT APPLIED TO A RATE OF 3500 LB/ACRE OR A STABILIZED FIBER MATRIX PRODUCT APPLIED TO A RATE OF 10 GAL/ACRE. THE COUNTY MAY APPROVE DIFFERENT APPLICATION RATES FOR SLOPES LESS THAN 4:1.
 - b. SEDIMENT CONTROLS. SEDIMENT CONTROLS SHALL INCLUDE, BUT ARE NOT LIMITED TO: DESILTING BASINS, GRADED BERMS, FIBER ROLLS, SILT FENCES, GRAVEL BAG CHEVRONS (FILLED WITH MINIMUM 3\"/>
4. STATE CONSTRUCTION GENERAL PERMIT. IF THE PROJECT DISTURBS, EXPOSES OR STOCKPILES ONE ACRE OR MORE OF SOIL, THE SITE MUST BE COVERED UNDER THE STATE CONSTRUCTION GENERAL PERMIT. A WASTE DISCHARGE IDENTIFICATION (WDID) NUMBER, A RISK LEVEL DETERMINATION NUMBER AND THE QUALIFIED "STORM WATER POLLUTION PREVENTION PLAN" (SWPPP) DEVELOPER (QSD) SHALL BE PROVIDED TO THE CITY PRIOR TO ISSUANCE OF A GRADING PERMIT.
5. PERIMETER PROTECTION. PERIMETER PROTECTION MUST BE INSTALLED PRIOR TO ANY CLEARING ACTIVITIES. CLEARING SHALL BE LIMITED TO AREAS THAT WILL BE IMMEDIATELY GRADED OR DISTURBED. A COMBINATION OF ESC MEASURES SHALL BE IMPLEMENTED IN AREAS THAT HAVE BEEN CLEARED. ALL DISTURBED AREAS OF AN INACTIVE SITE SHALL ALSO BE PROTECTED.
6. CONSTRUCTION ACCESS POINTS. CONSTRUCTION ACCESS POINTS SHALL BE STABILIZED WITH A COMBINATION OF ROCK AND SHAKER PLATES TO PREVENT TRACK-OUT. INTERIOR ACCESS POINTS (ALL PROPOSED DRIVEWAYS, MATERIAL STORAGE AND STAGING AREA ENTRANCES/EXITS, ETC.) SHALL ALSO BE PROTECTED WITH ROCK TO PREVENT TRACK-OUT ONTO INTERIOR STREETS. ROUTINE STREET SWEEPING SHALL BE PERFORMED ON ALL PAVED STREETS WHERE TRACKING IS OBSERVED. VACUUM SWEEPERS SHALL BE USED WHEN STREET SWEEPING BECOMES INEFFECTIVE. CONTROLLED STREET WASHING SHALL ONLY BE ALLOWED PRIOR TO THE APPLICATION OF ASPHALT SEAL COATS, AND ONLY WHEN ALL PERTINENT DRAINAGE INLETS ARE PROTECTED.
7. MATERIAL STORAGE. MATERIAL STORAGE AND STAGING AREAS SHALL BE ESTABLISHED. FUEL TANKS, PORTABLE TOILETS, LIQUIDS, GELS, POWDERS, LANDSCAPE MATERIALS AND STOCKPILES OF SOIL SHALL BE STORED AWAY FROM ALL PRIVATE/PUBLIC STORM WATER CONVEYANCE SYSTEMS, SIDEWALKS, RIGHT-OF-WAYS AND FLOW-LINES AND SHALL HAVE SECONDARY CONTAINMENT. INACTIVE STOCKPILES OF SOIL SHALL BE COVERED AT ALL TIMES. ACTIVE STOCKPILES SHALL BE COVERED PRIOR TO A FORECAST RAIN.
8. CONSTRUCTION WASTE. CONSTRUCTION WASTE AND MISCELLANEOUS DEBRIS SHALL BE PLACED IN WATER-TIGHT BINS. WIRE MESH RECEPTACLES SHALL NOT BE ALLOWED. WASH-OUT STATIONS SHALL BE PROVIDED FOR CONCRETE, PAINTS, STUCCO AND OTHER LIQUID WASTE, AND SHALL BE LINED WITH PLASTIC AND LOCATED AWAY FROM PUBLIC RIGHT-OF-WAYS, FLOW LINES, ETC. PRIOR TO ANY FORECAST RAIN, BINS AND WASH-OUTS SHALL BE COVERED WITH LIDS OR PLASTIC TARP.
9. MAINTENANCE. ALL ONSITE AND OFFSITE FLOW LINES (I.E., V- AND BROW-DITCHES, TERRACE DRAINS, RIBBON GUTTERS, CURB GUTTERS, ETC.), STORM WATER CONVEYANCE SYSTEMS, CHECK DAMS, CHEVRONS, SILT FENCES AND DESILTING BASINS SHALL BE FREE OF SEDIMENT, CONSTRUCTION MATERIALS, WASTE, MISCELLANEOUS DEBRIS AND DETERIORATED ESC MEASURES YEAR-ROUND.
10. OBSTRUCTIONS. NO OBSTRUCTIONS, OTHER THAN BMP'S, SHALL BE ALLOWED WITHIN ANY STORM WATER CONVEYANCE SYSTEM, UNLESS ALTERNATIVE DRAINAGE FACILITIES HAVE BEEN APPROVED BY THE COUNTY.

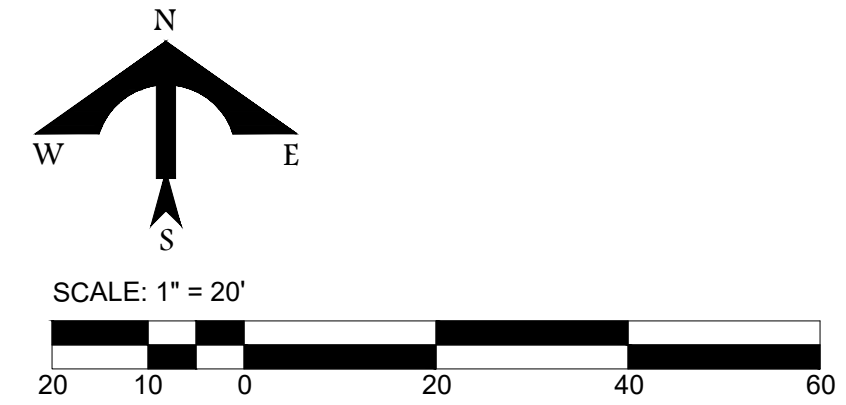
BMP CONSTRUCTION NOTES:

1. INSTALL BIOFILTER BAGS EROSION CONTROL PER DETAIL CASQA SE-14
2. CONCRETE WASTE DISPOSAL AREA PER CASQA DETAIL WM-8. CONCRETE WASTE DISPOSAL AREA SHALL LOCATED WITHIN THE CONSTRUCTION STAGING AREA. CONSTRUCTION STAGING AREA LOCATION TO BE COORDINATED BETWEEN CONTRACTOR AND IVC STAFF.
3. PORTABLE TOILETS. TO BE FIELD LOCATED.
4. VEHICLE AND EQUIPMENT FUELING AREA PER CASQA DETAIL NS-9. EQUIPMENT FUELING AREA SHALL LOCATED WITHIN THE CONSTRUCTION STAGING AREA. CONSTRUCTION STAGING AREA LOCATION TO BE COORDINATED BETWEEN CONTRACTOR AND IVC STAFF.
5. VEHICLE AND EQUIPMENT MAINTENANCE AREA PER CASQA DETAIL NS-10. THE EQUIPMENT MAINTENANCE AREA SHALL LOCATED WITHIN THE CONSTRUCTION STAGING AREA. CONSTRUCTION STAGING AREA LOCATION TO BE COORDINATED BETWEEN CONTRACTOR AND IVC STAFF.

NOTES:
 THE CONTRACTOR SHALL COMPLY AT MINIMUM WITH THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLANS. THE CONTRACTOR SHALL MODIFY THE EROSION AND SEDIMENT CONTROL PLAN AND IMPLEMENT NEW MEASURES AS NEEDED TO ASSURE COMPLIANCE WITH THE LATEST REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD (SWRCB)

ALL PRIVATE AND PUBLIC STORM WATER CONVEYANCE SYSTEMS, SIDEWALKS, PUBLIC RIGHT-OF-WAYS, ETC. SHALL BE PROTECTED FROM POLLUTANT DISCHARGES AND MAINTAINED IN A NEAT AND CLEAN CONDITION FREE OF SEDIMENT, CONSTRUCTION MATERIAL, WASTE, MISCELLANEOUS DEBRIS AND DETERIORATED EROSION AND SEDIMENT CONTROLS.

CONTRACTOR TO PREPARE AND IMPLEMENT A DUST CONTROL PLAN PER IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) REQUIREMENTS.



EROSION CONTROL PLAN



DSPS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE

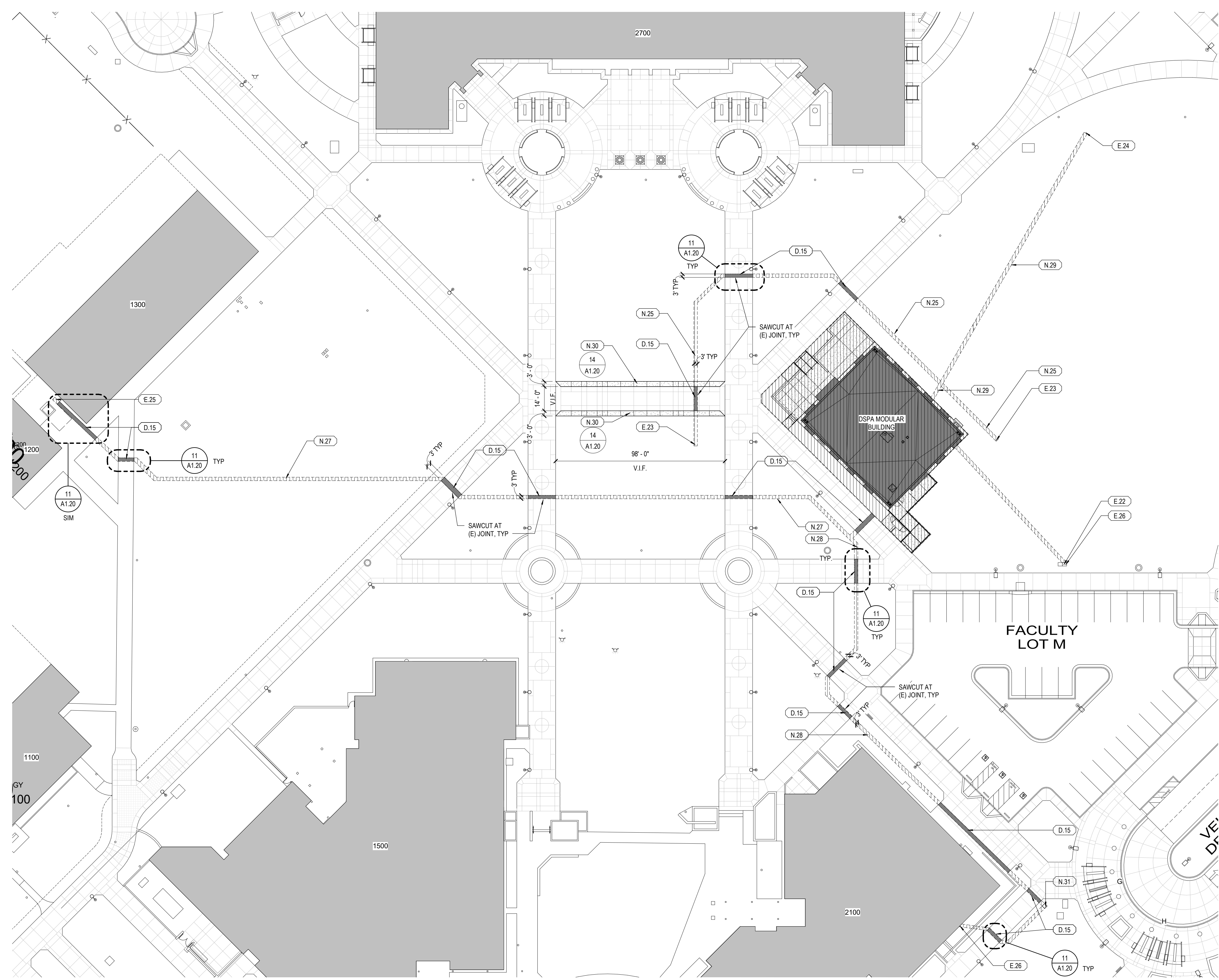
380 EAST ATEN ROAD, IMPERIAL, CA 92251



SEALS



PROJECT NUMBER:	CD 100%
19-43100-00	
PROJECT STATUS:	08/24/2020
PROJECT ISSUED:	
REVISION:	DATE: DESCRIPTION



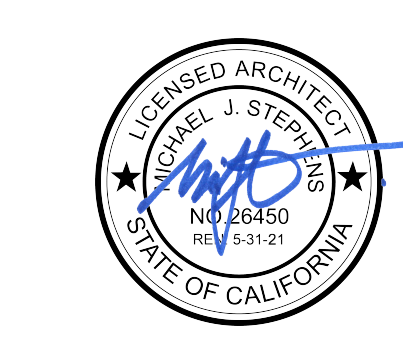
KEYNOTES

DESCRIPTION
D.15 SAW CUT & REMOVE PARTIAL (E) CONCRETE PAVING FOR UTILITY; PATCH, REPAIR TO MATCH (E)
E.22 P.O.C OF (E) COMMUNICATION
E.23 P.O.C OF (E) 4" IRRIGATION LINE
E.24 P.O.C OF (E) 2" WATER LINE
E.25 P.O.C OF (E) POWER LINE
E.26 P.O.C OF (E) FIRE ALARM
N.25 4" IRRIGATION LINE, SEE CIVIL DWG
N.27 POWER CONDUIT, SEE ELEC DWGS
N.28 FIRE ALARM CONDUIT, SEE ELEC DWGS
N.29 2" WATER LINE, SEE CIVIL DWGS
N.30 CONCRETE PAVING TO MATCH (E)
N.31 PULL BOX, SEE ELEC DWGS

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-119394 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 12/17/2020

CONSULTANT:

PARTIAL SITE PLAN
 DSPS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE
 380 EAST ATEN ROAD, IMPERIAL, CA 92251



SEALS



1 PARTIAL SITE PLAN
 A1.01 SCALE: 1"=30'-0"



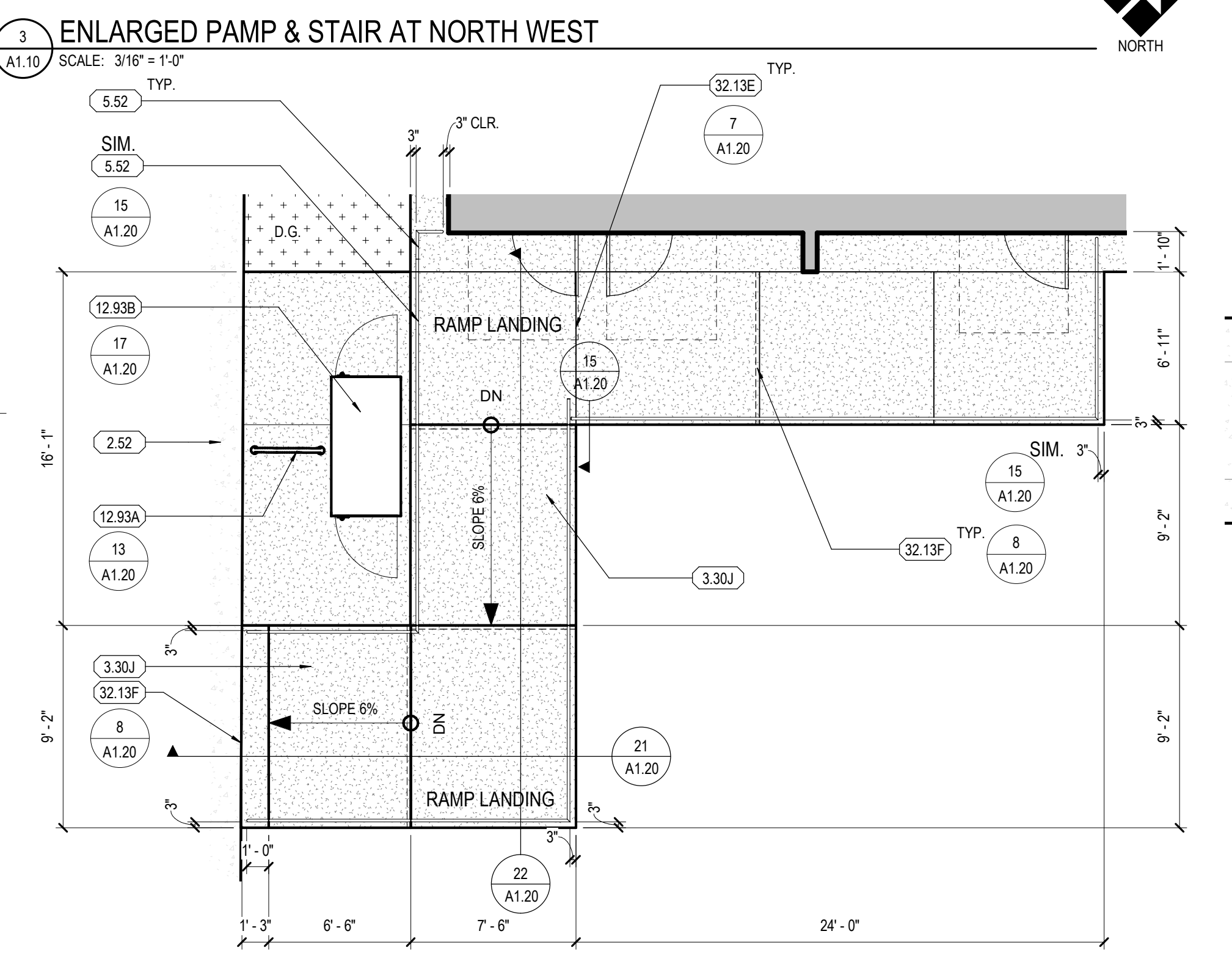
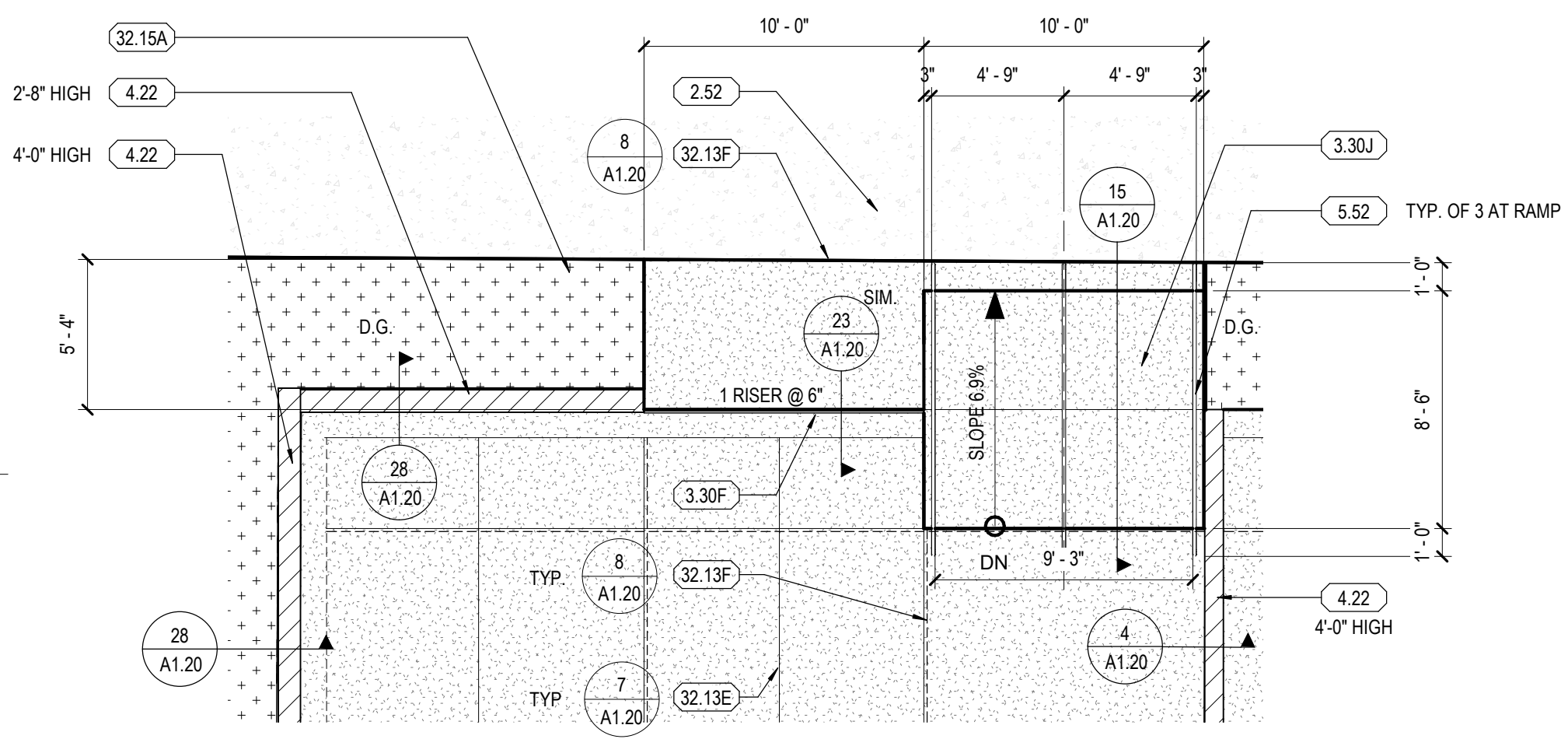
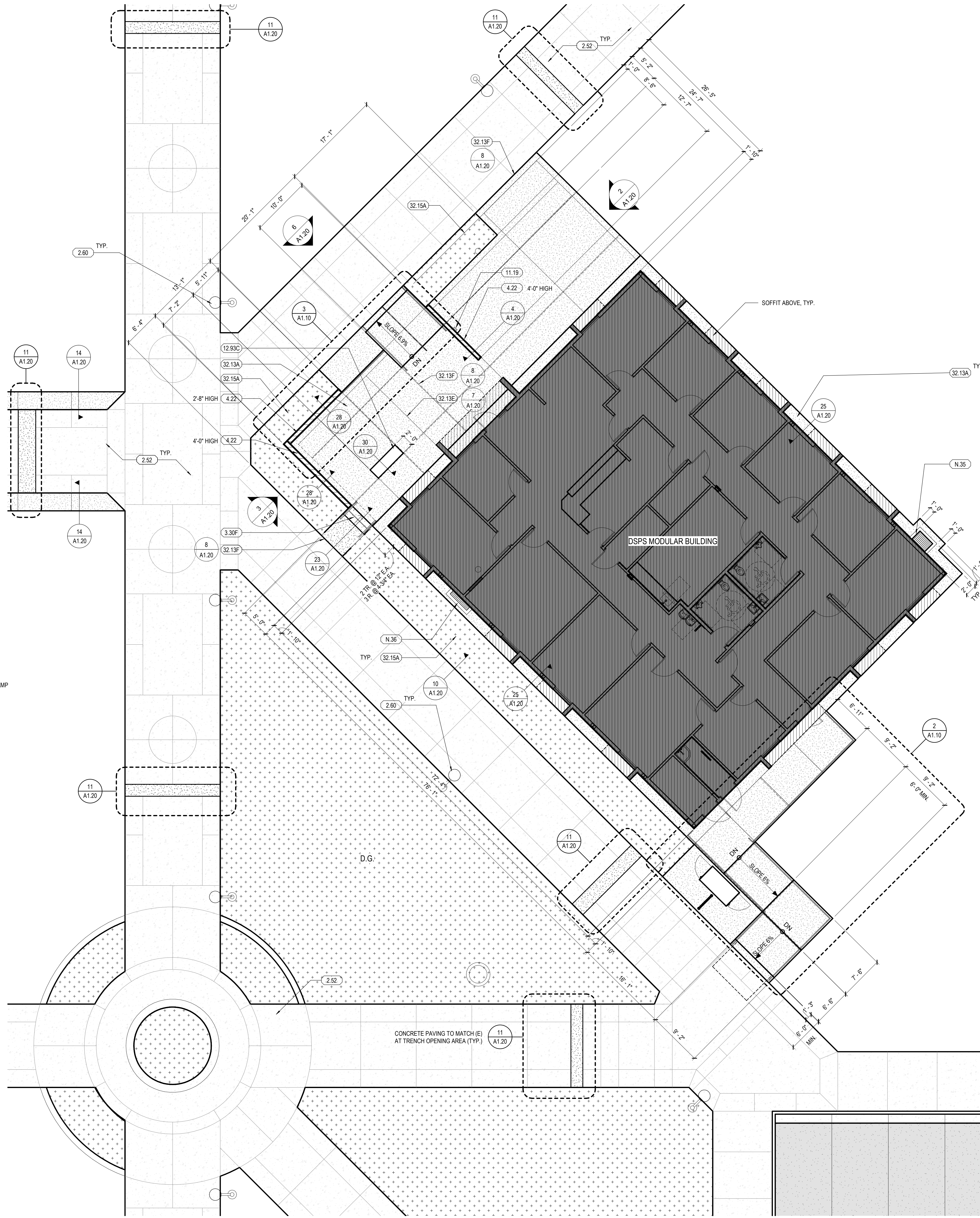
PARTIAL SITE PLAN LEGEND

- TRENCH LOCATION, SEE CIVIL, ELEC, TELECOM DWGS. FOR MORE INFO.
- DEMO. CONCRETE PAVING
- CONCRETE PAVING

TRENCHING NOTE

PATCHES TO PEDESTRIAN AREAS SHALL COMPLY WITH 11B-302.1 AND 11B-303

PROJECT NUMBER:	CD 100%
18-43100-00	12/14/2020
PROJECT STATUS:	REVISION DATE DESCRIPTION
PROJECT ISSUED:	
REVISION:	



2 ENLARGED RAMP AT SOUTH EAST
A1.11 SCALE: 3/16" = 1'-0"

1 ENLARGED SITE PLAN
A1.10 SCALE: 1/8" = 1'-0"

KEYNOTES

- 2.52 (E) CONCRETE PAVING TO REMAIN, PROTECT IN PLACE
- 2.80 (E) EXTERIOR LIGHTING FIXTURE, PROTECT IN PLACE
- 3.30F CONCRETE STAIR
- 3.30J CONCRETE RAMP
- 4.22 CONCRETE UNIT MASONRY
- 5.52 PIPE AND TUBE RAILINGS
- 11.19 GOLF CART CHARGING STATION, CONNECT TO ELECTRICAL PANEL IN MODULAR
- 12.93A BICYCLE RACK
- 12.93B BICYCLE LOCKER
- 12.93C CONCRETE BENCH
- 32.13A CONCRETE PAVING
- 32.13E CONCRETE CONTROL JOINT
- 32.13F CONCRETE EXPANSION JOINT
- 32.15A DECOMPOSED GRANITE
- N.35 VENT GRATE / ACCESS BY PC MODULAR
- N.36 VENT GRATE BY PC MODULAR

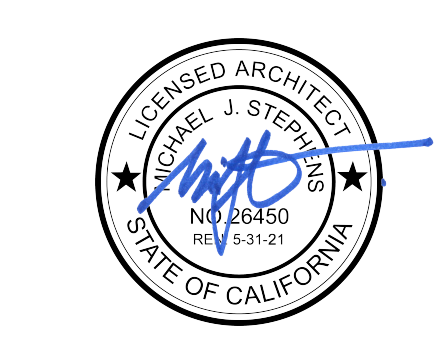
ENLARGED SITE PLAN LEGEND

- EXISTING CONCRETE PAVING
- EXISTING ASPHALT PAVING
- DSPS MODULAR BUILDING
- CONCRETE PAVING
- DECOMPOSED GRANITE
- EXPANSION JOINT
- CONTROL JOINT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/17/2020

CONSULTANT:

ENLARGED SITE PLAN
DSPS MODULAR BUILDING
IMPERIAL VALLEY COLLEGE
380 EAST ATEN ROAD, IMPERIAL, CA 92251

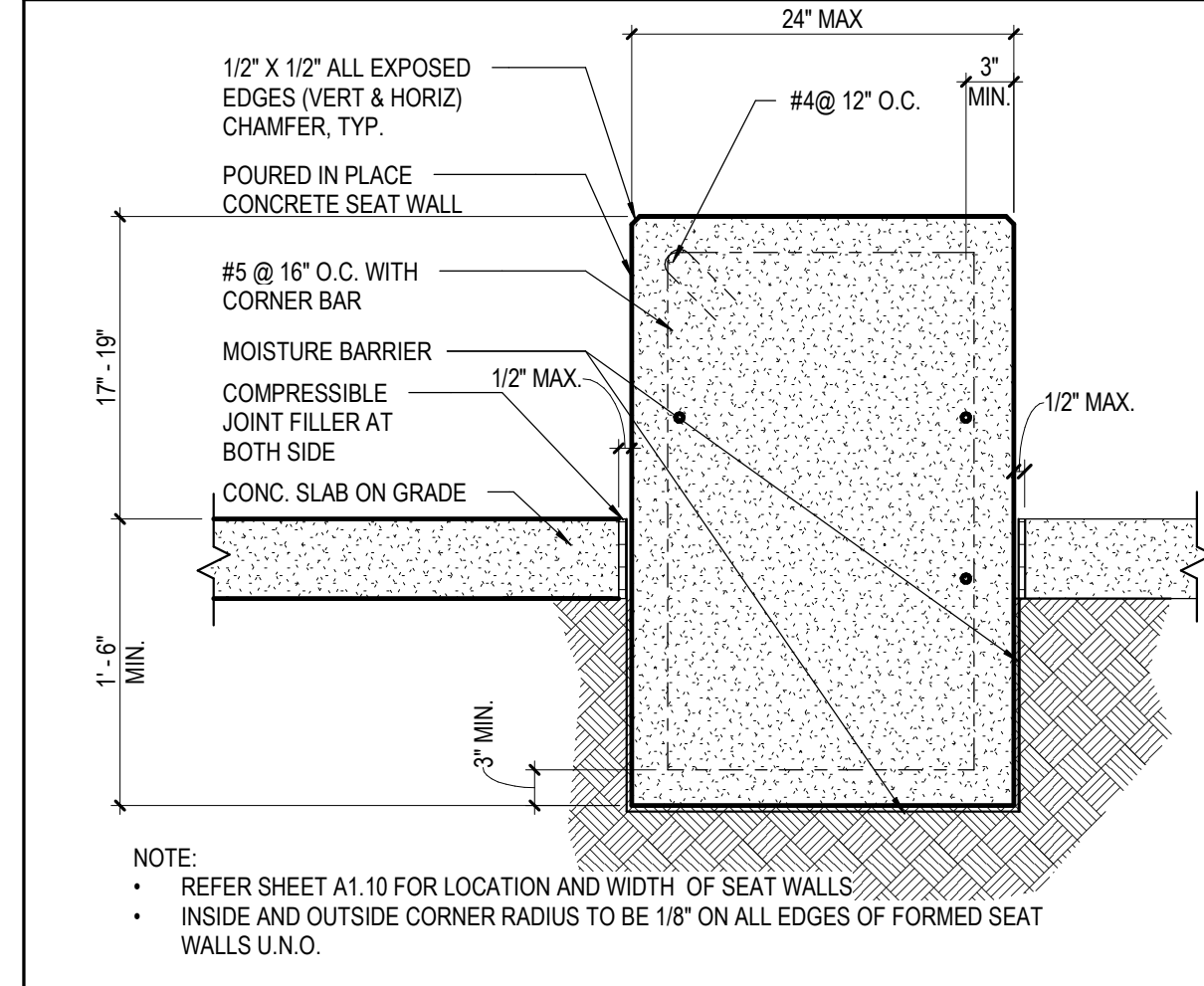


SEALS

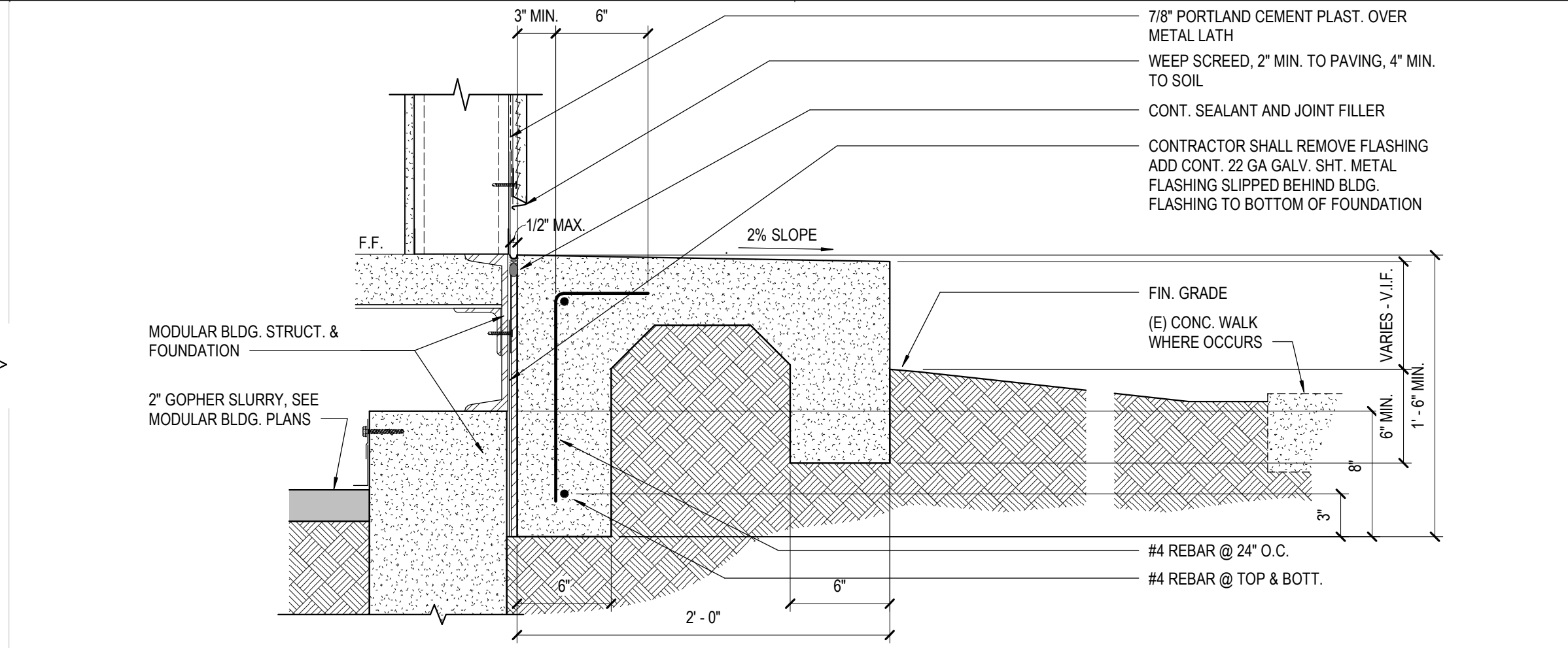


PROJECT NUMBER: 18-43100-00
PROJECT STATUS: CD 100%
PROJECT ISSUED: 12/14/2020
REVISION: DATE: DESCRIPTION

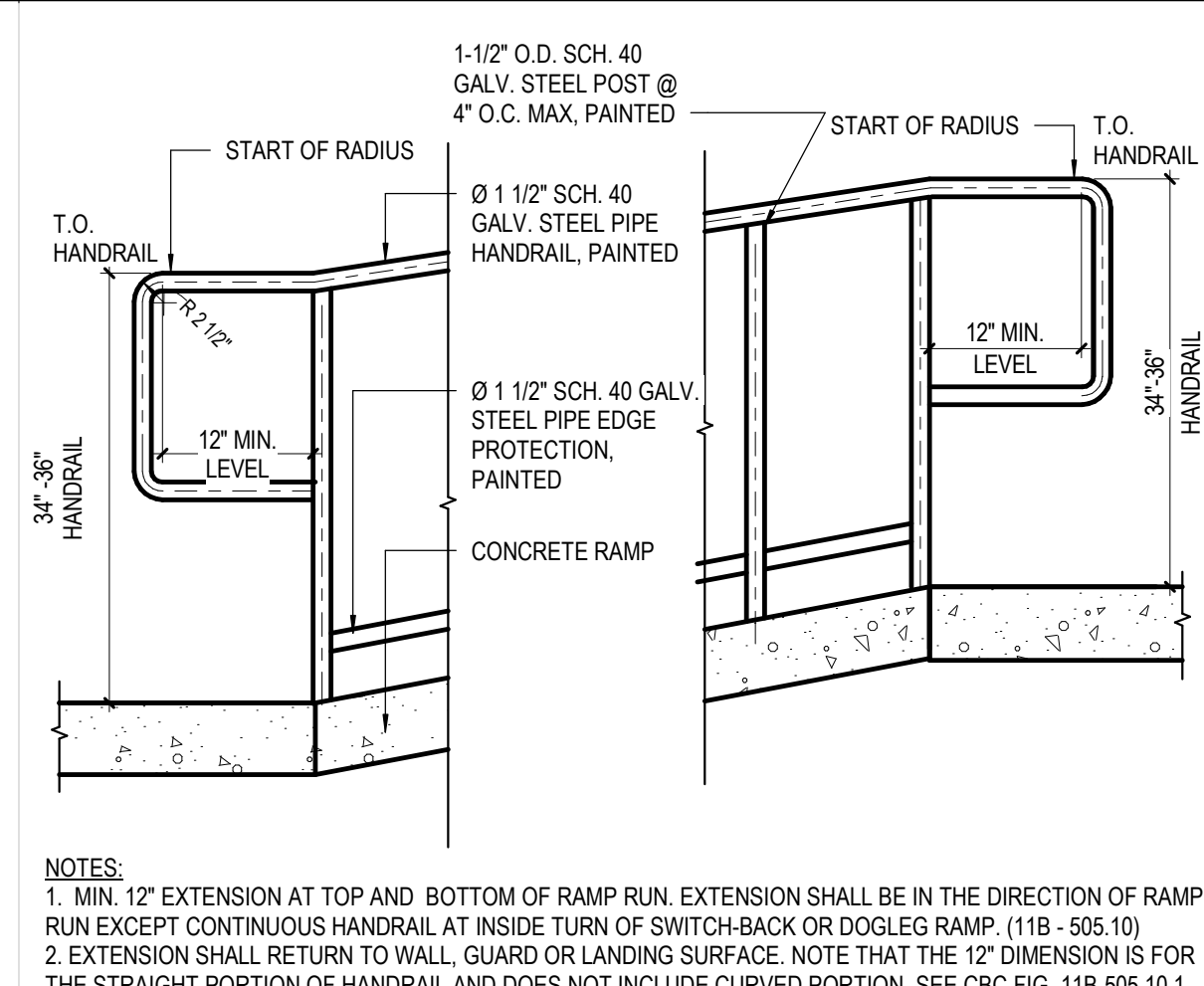
A1.10



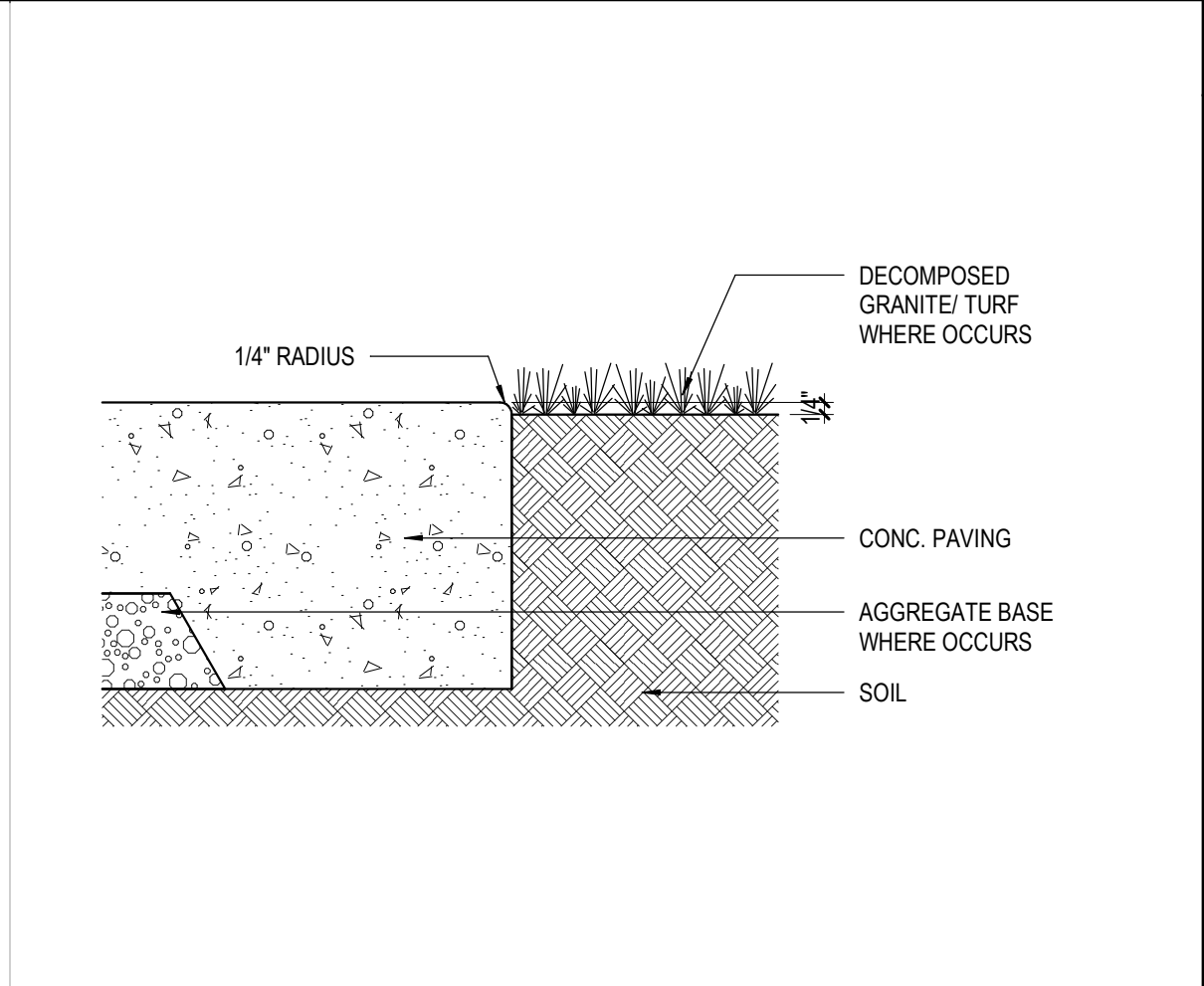
30 CAST IN PLACE CONC. SEAT
A1.20 SCALE: 1" = 1'-0"



25 SITE CONCRETE PAVING AT FOOTING
A1.20 SCALE: 1 1/2" = 1'-0"



15 RAMP HANDRAIL
A1.20 SCALE: 3/4" = 1'-0"

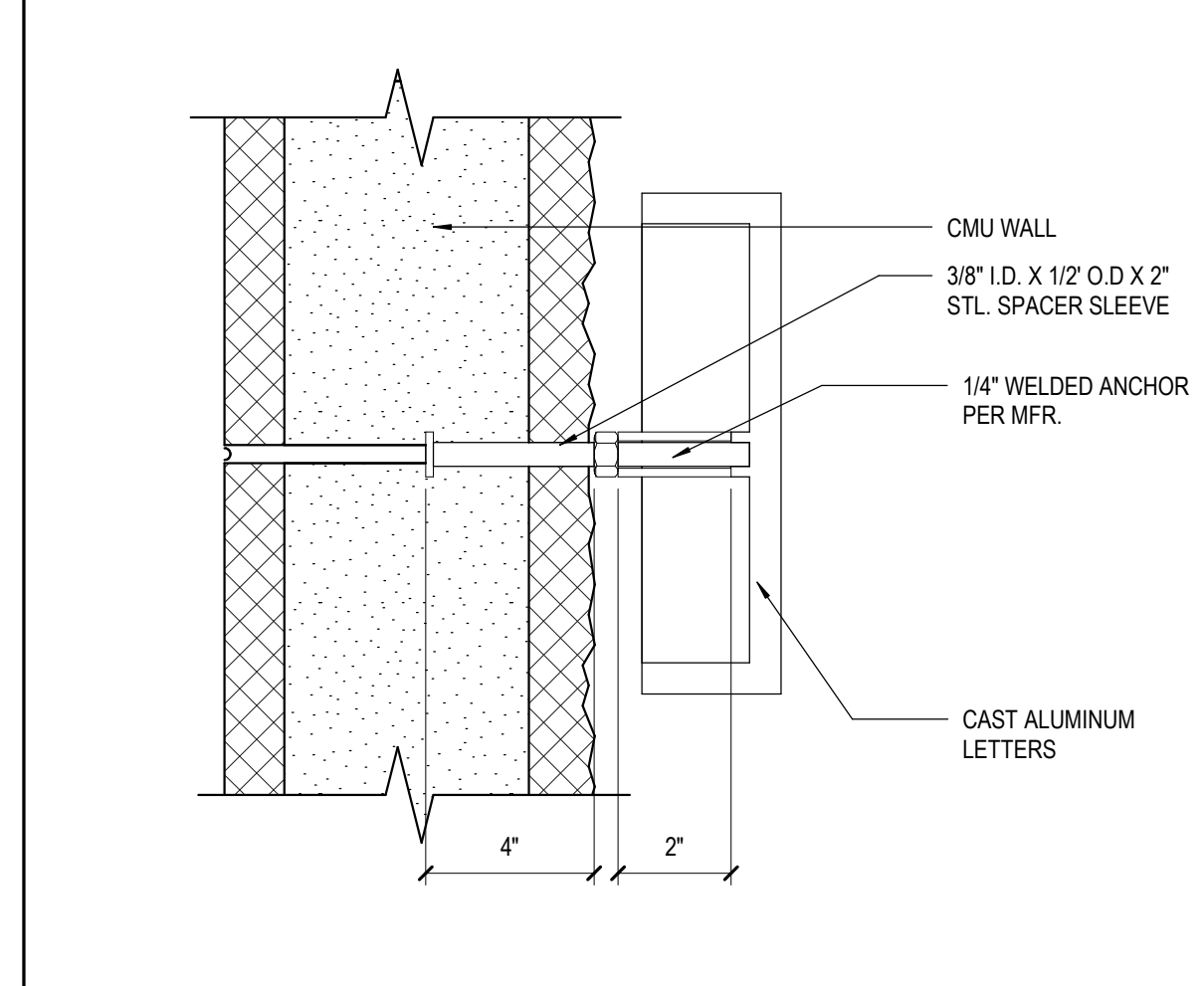


10 CONCRETE PAVING TO TURF
A1.20 SCALE: 3" = 1'-0"

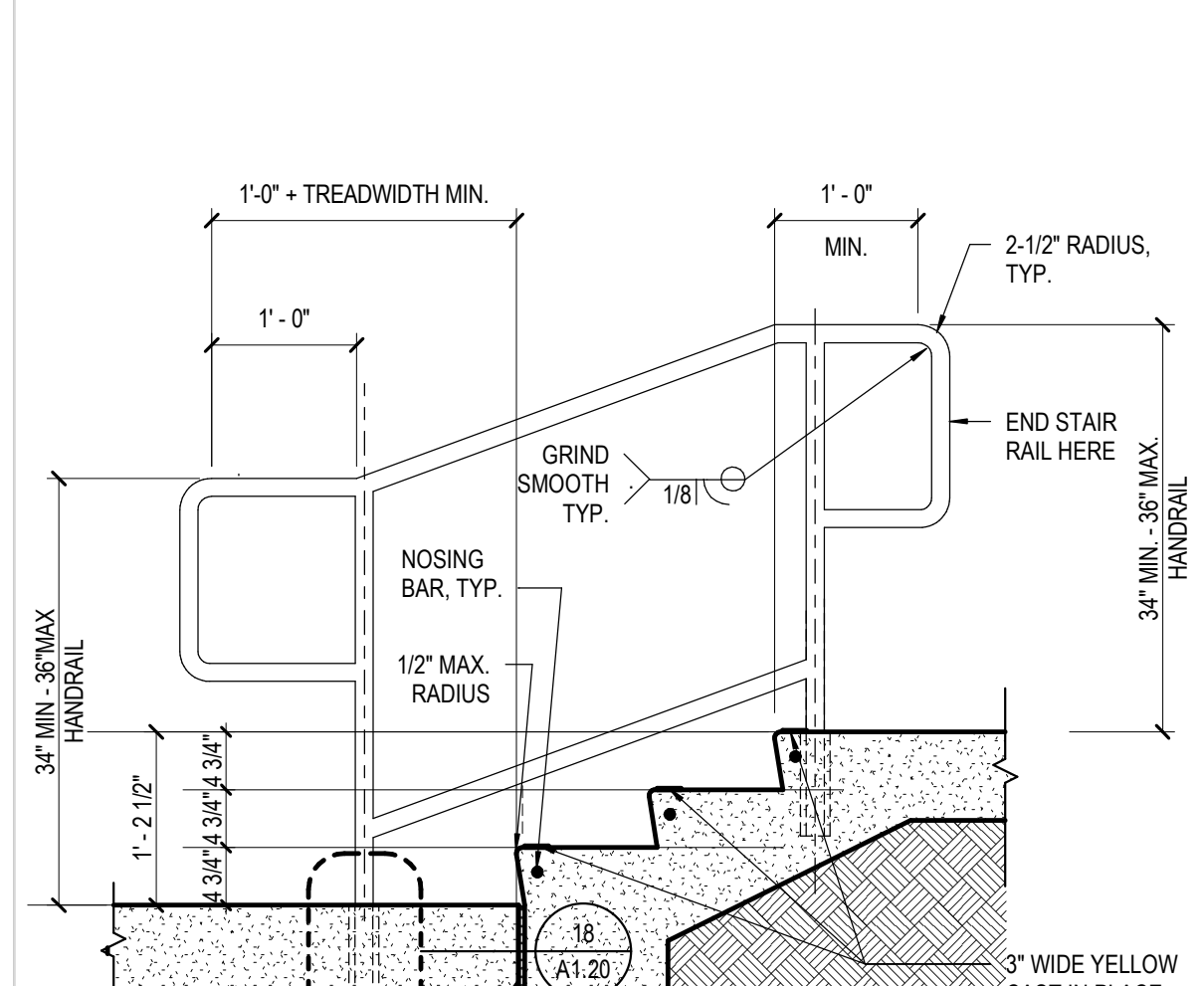
KEYNOTES

DESCRIPTION
4.22B SPLIT FACE CMU
4.22E CMU CAP
5.52 PIPE AND TUBE RAILINGS
10.14G CAST METAL EXTERIOR SIGNAGE

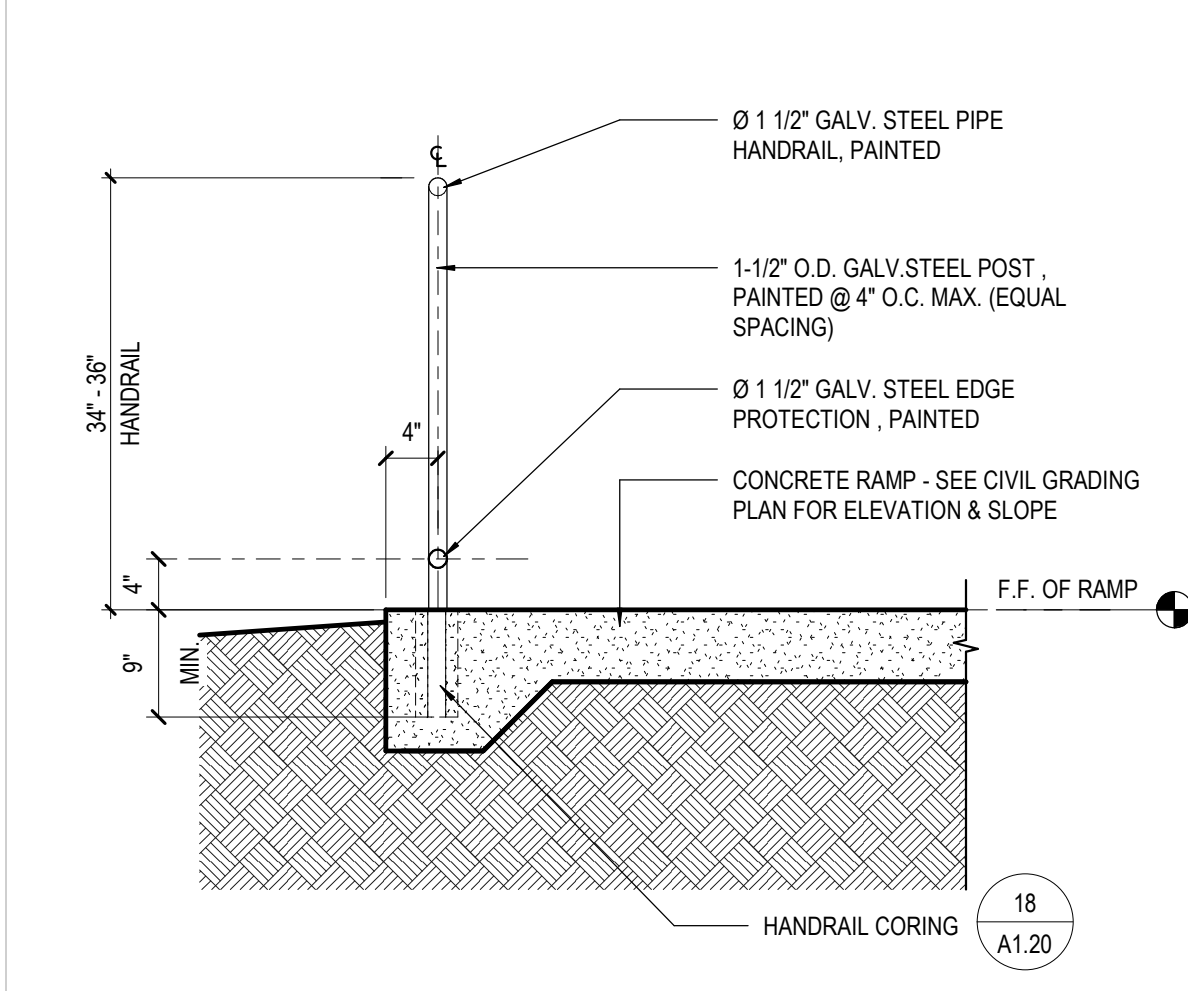
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/17/2020



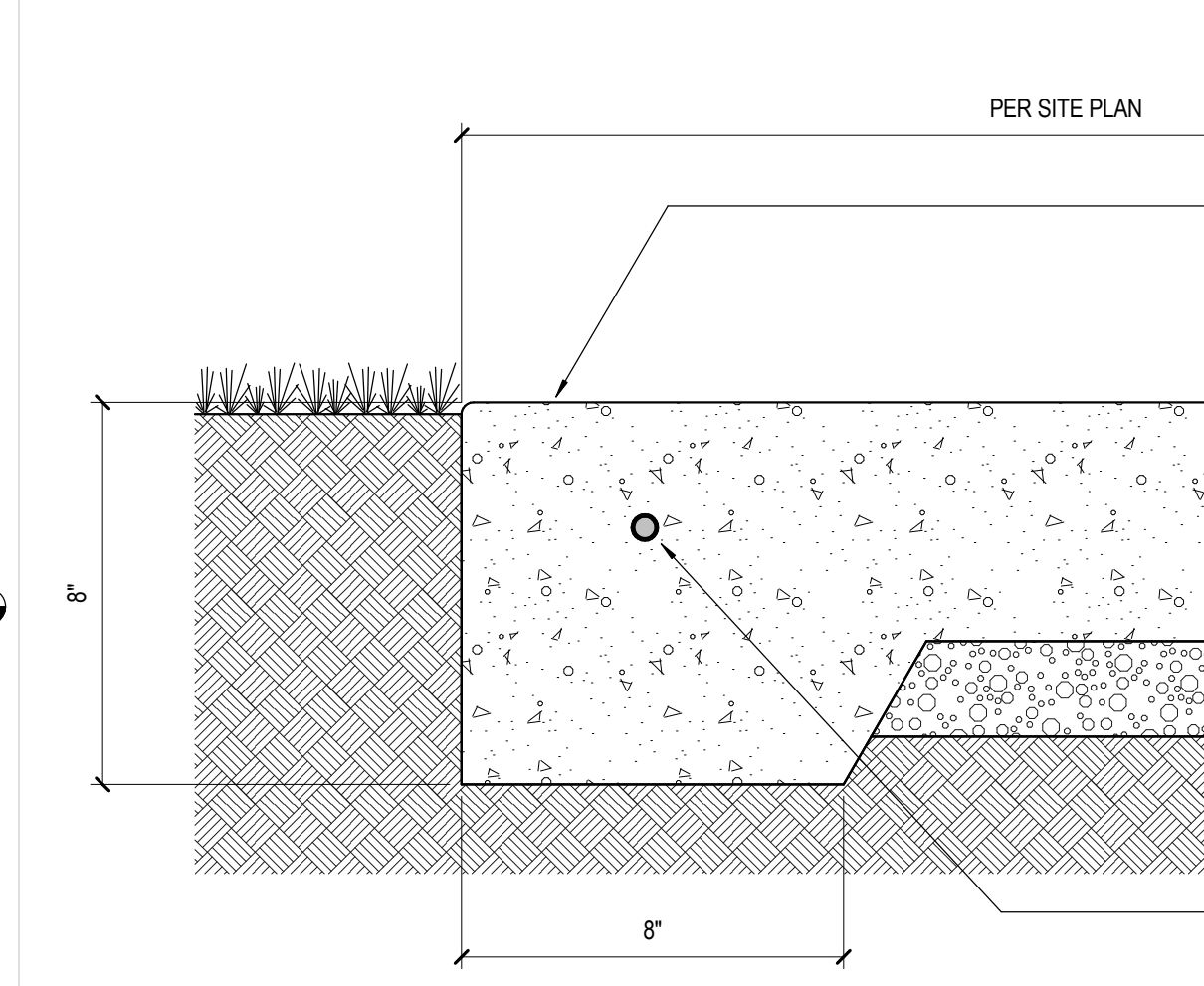
29 WALL MOUNTED SIGNAGE
A1.20 SCALE: 3" = 1'-0"



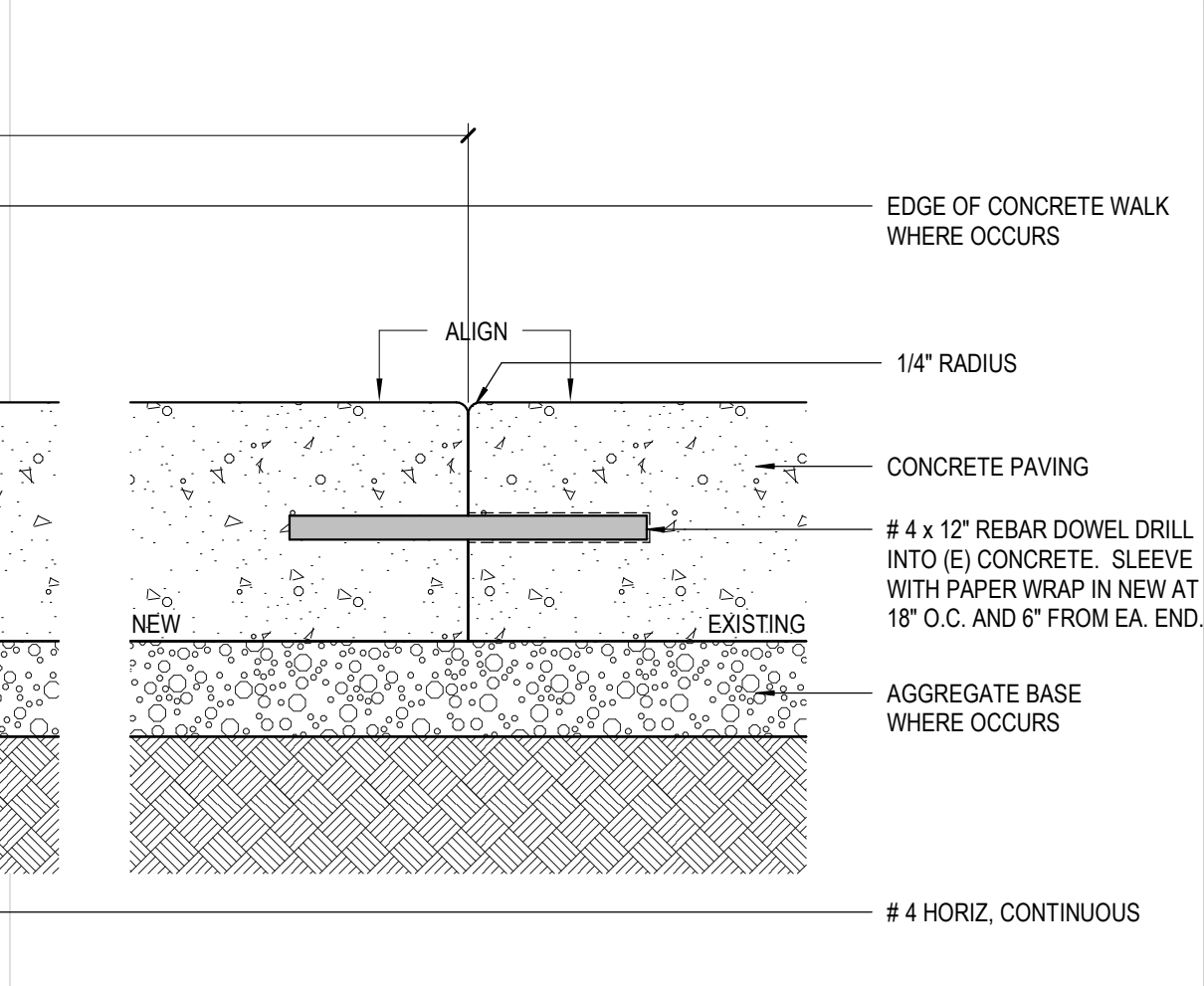
18 TYPICAL HANDRAIL SECTION
A1.20 SCALE: 3/4" = 1'-0"



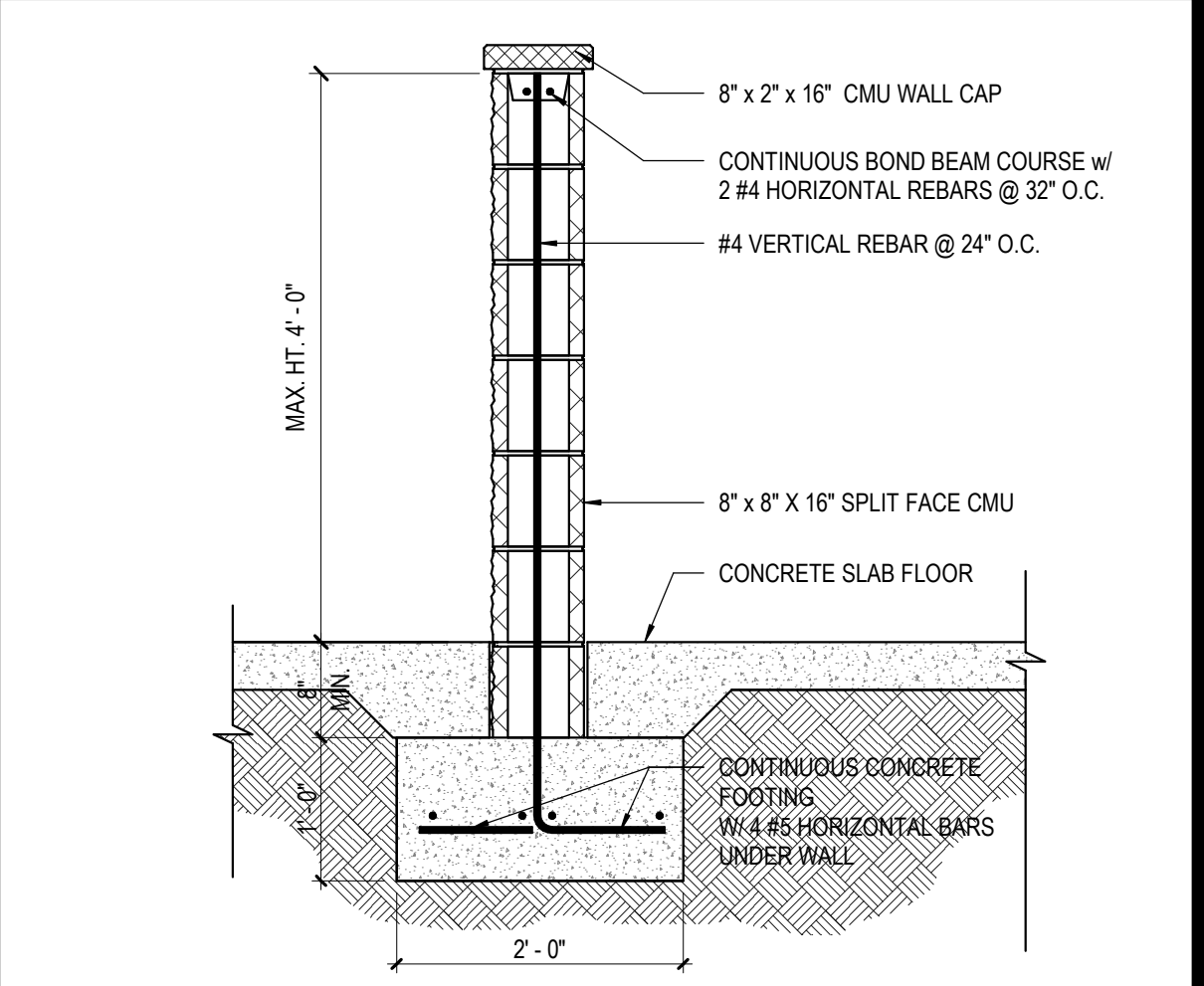
14 PAVING CONSTRUCTION JOINT / EDGE OF WALK
A1.20 SCALE: 3" = 1'-0"



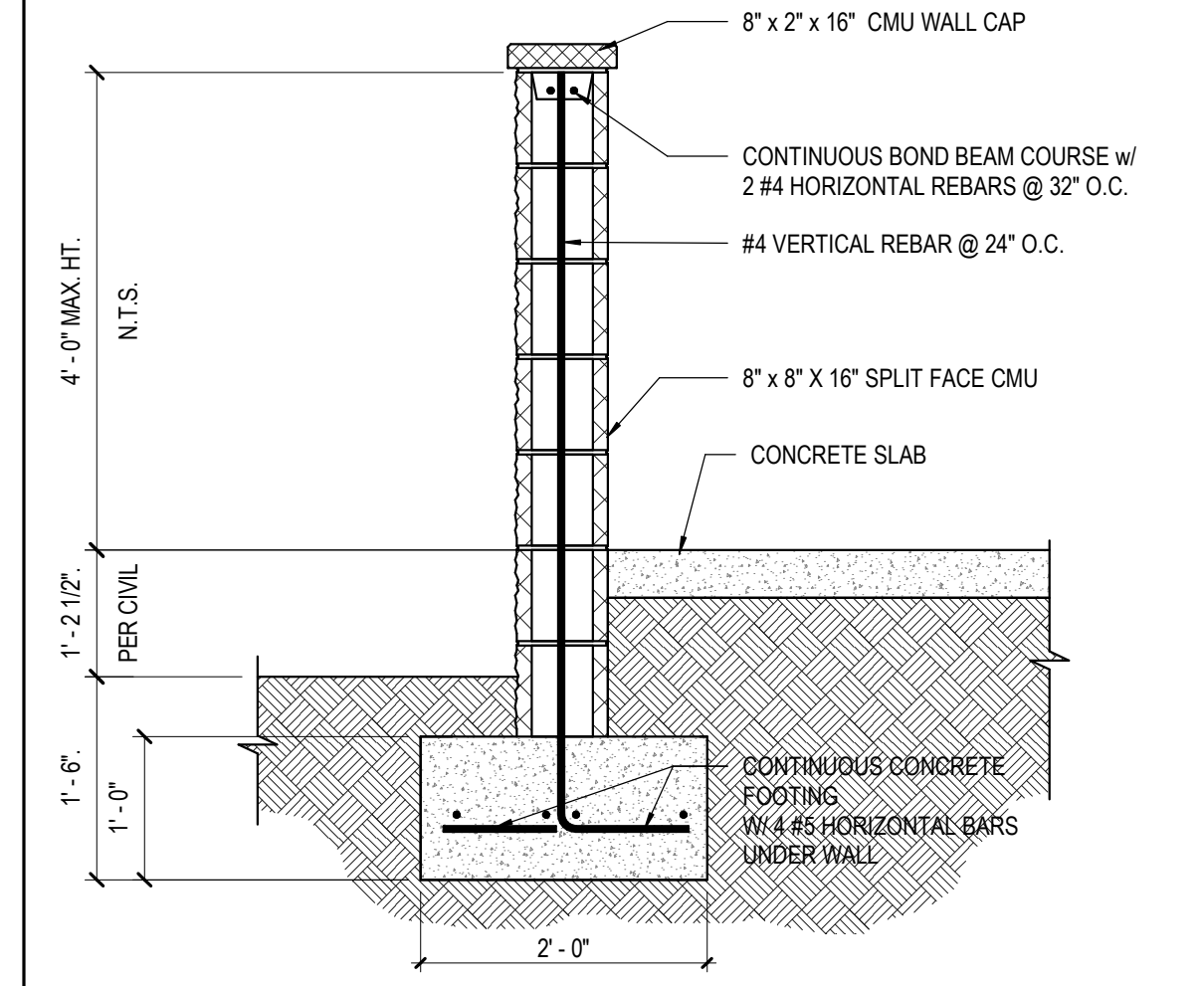
4 EXTERIOR CMU WALL
A1.20 SCALE: 3/4" = 1'-0"



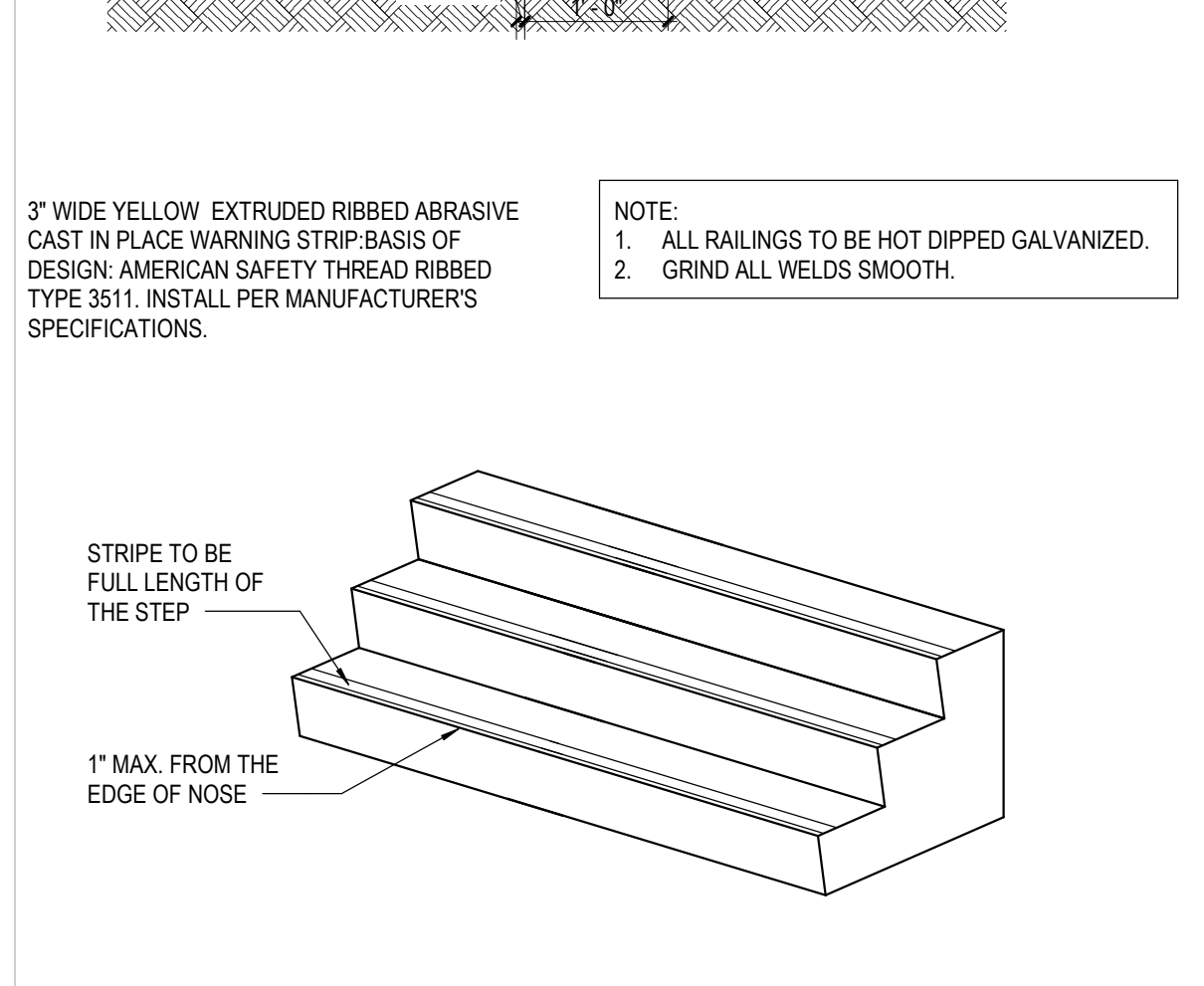
8 PAVING EXPANSION JOINT
A1.20 SCALE: 3" = 1'-0"



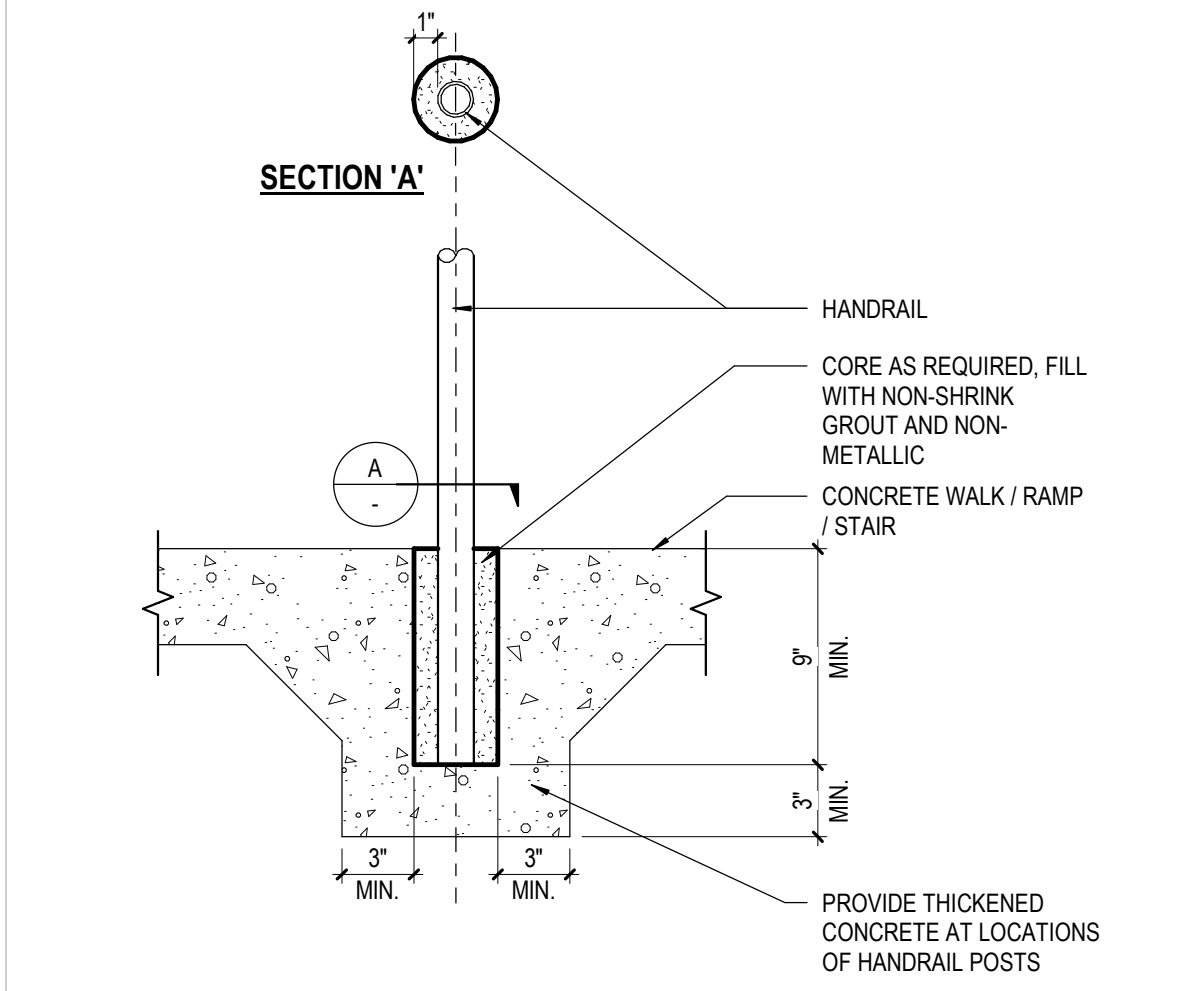
3 SITE NORTH WEST / SIDE ELEVATION
A1.20 SCALE: 1/4" = 1'-0"



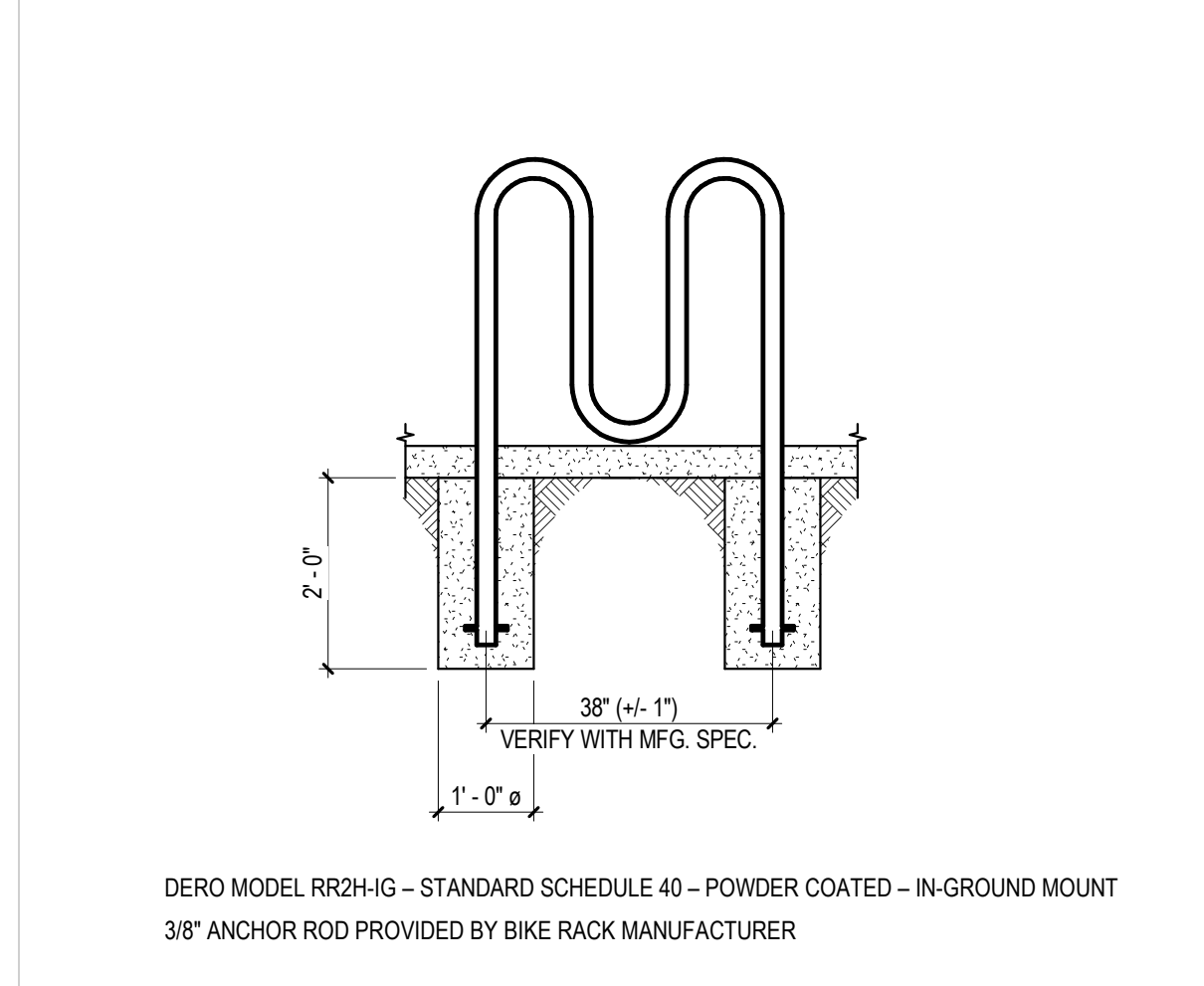
28 EXTERIOR CMU WALL - RETAINING
A1.20 SCALE: 3/4" = 1'-0"



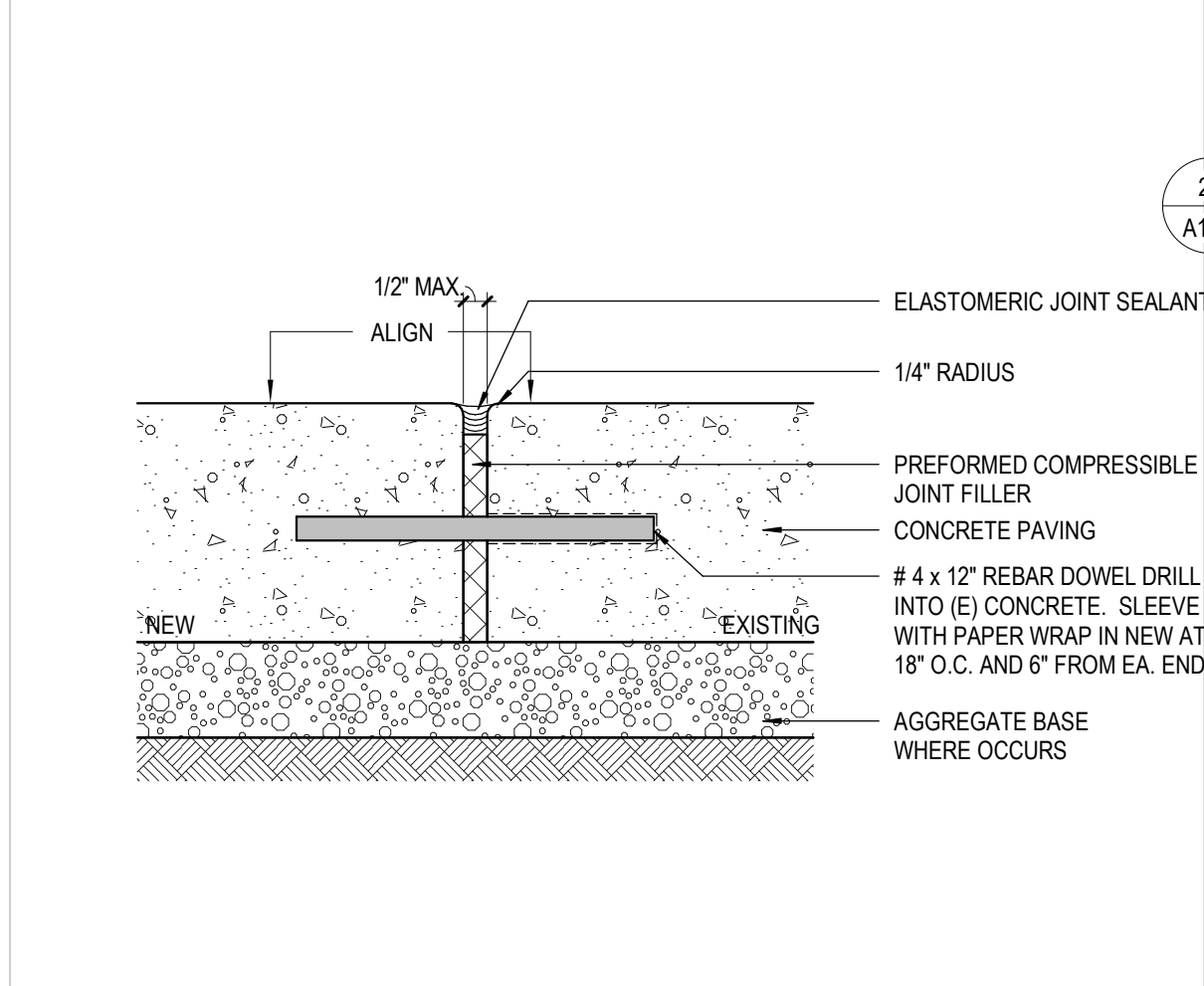
23 STAIR AND RAILING
A1.20 SCALE: 3/4" = 1'-0"



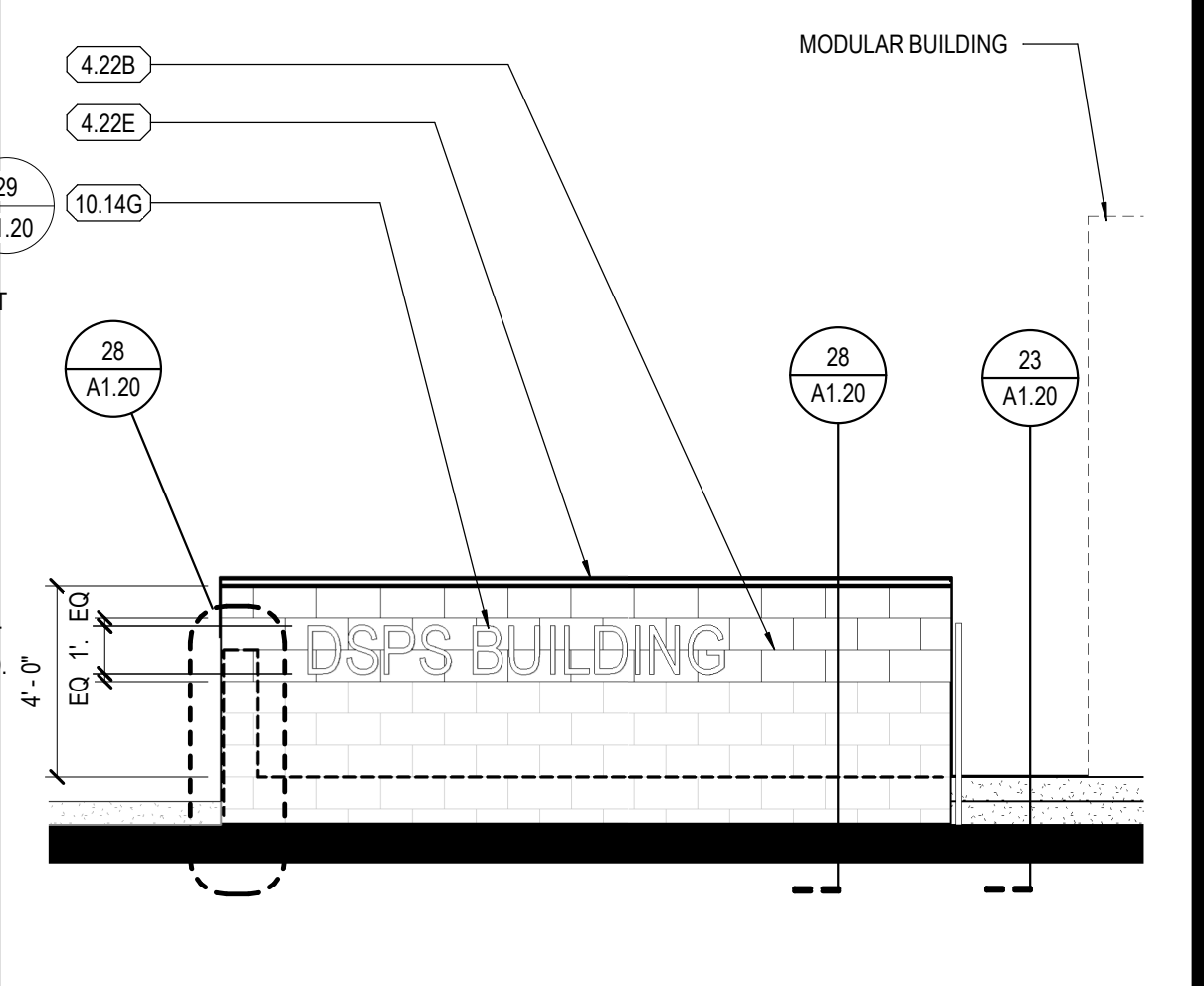
16 HANDRAIL CORING
A1.20 SCALE: 1 1/2" = 1'-0"



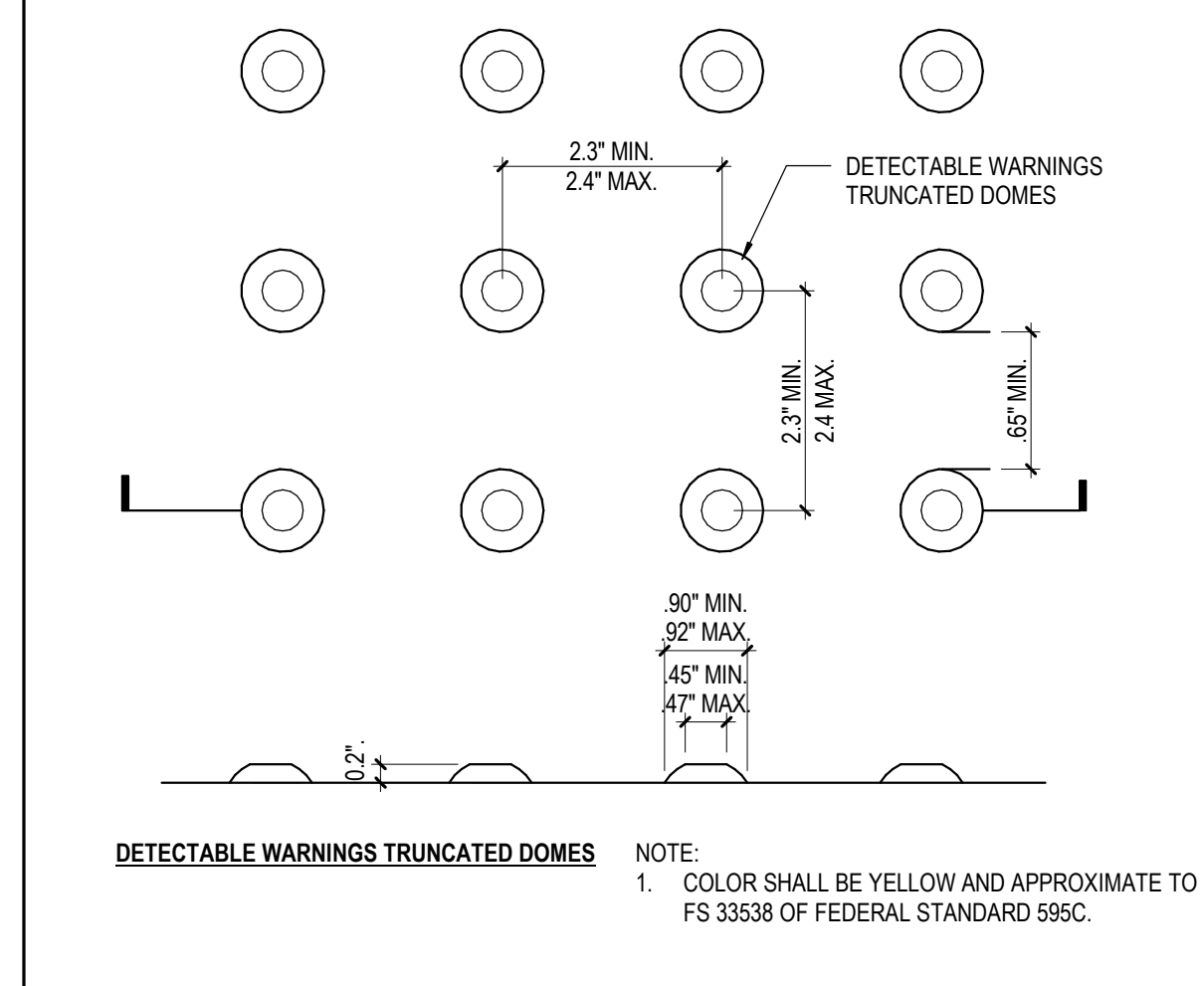
13 BIKE RACK IN GROUND MOUNT
A1.20 SCALE: 1 1/2" = 1'-0"



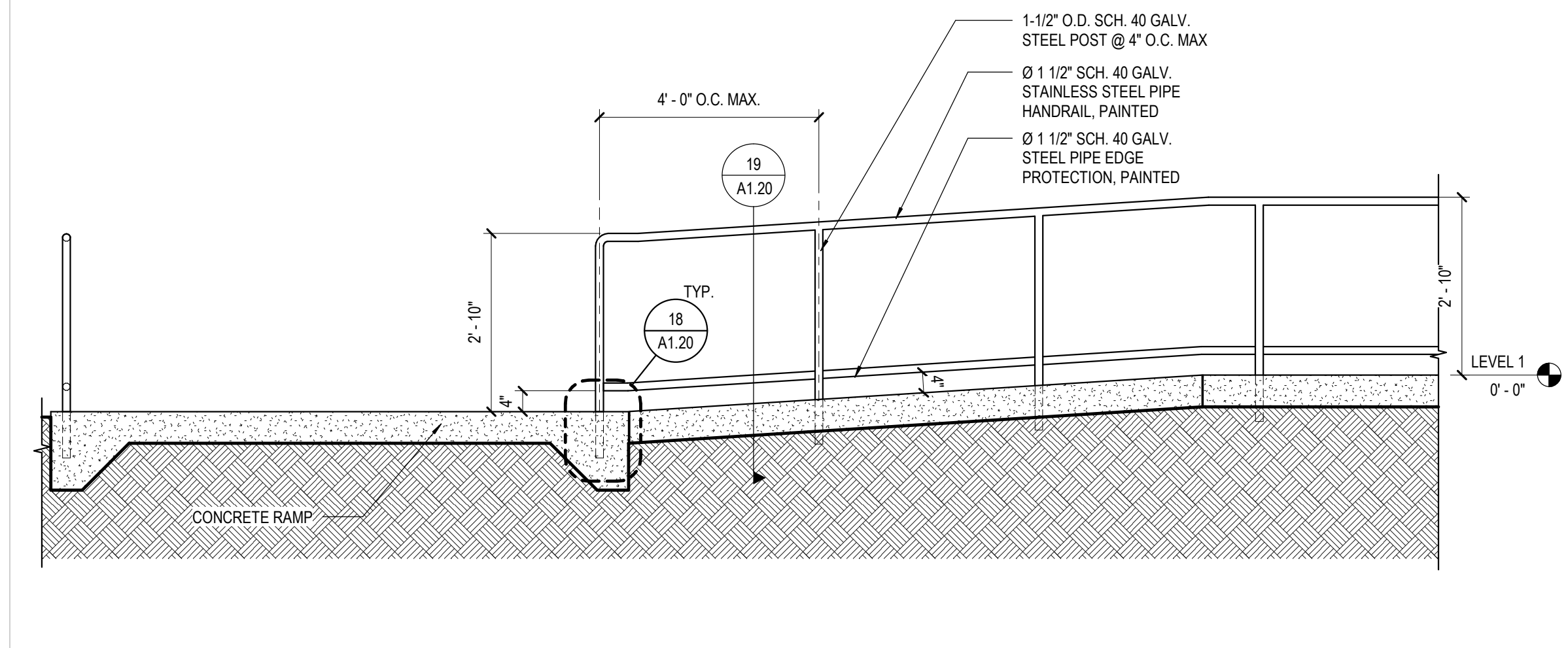
7 PAVING CONTROL JOINT
A1.20 SCALE: 3" = 1'-0"



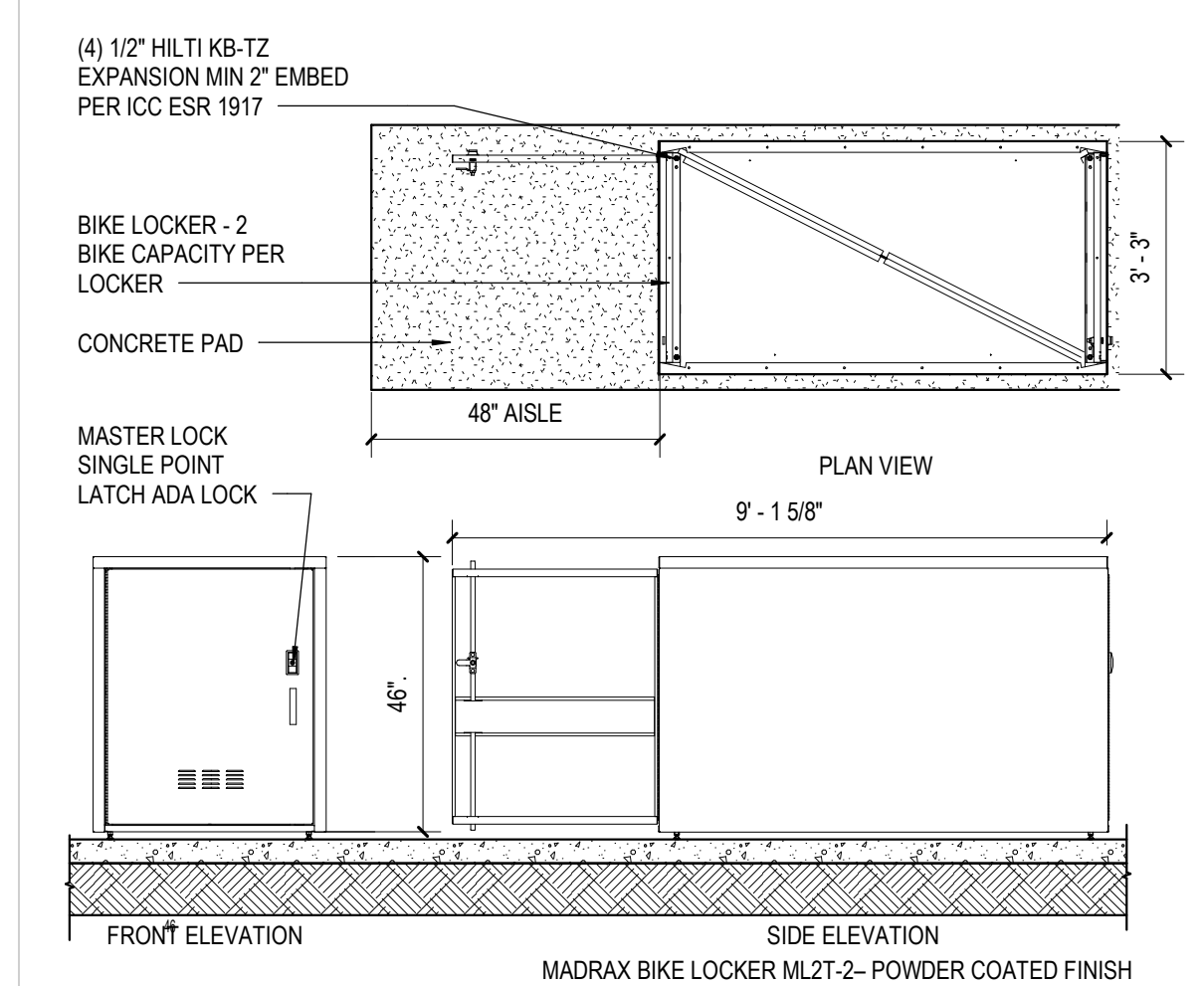
2 SITE NORTH EAST / SIDE ELEVATION
A1.20 SCALE: 1/4" = 1'-0"



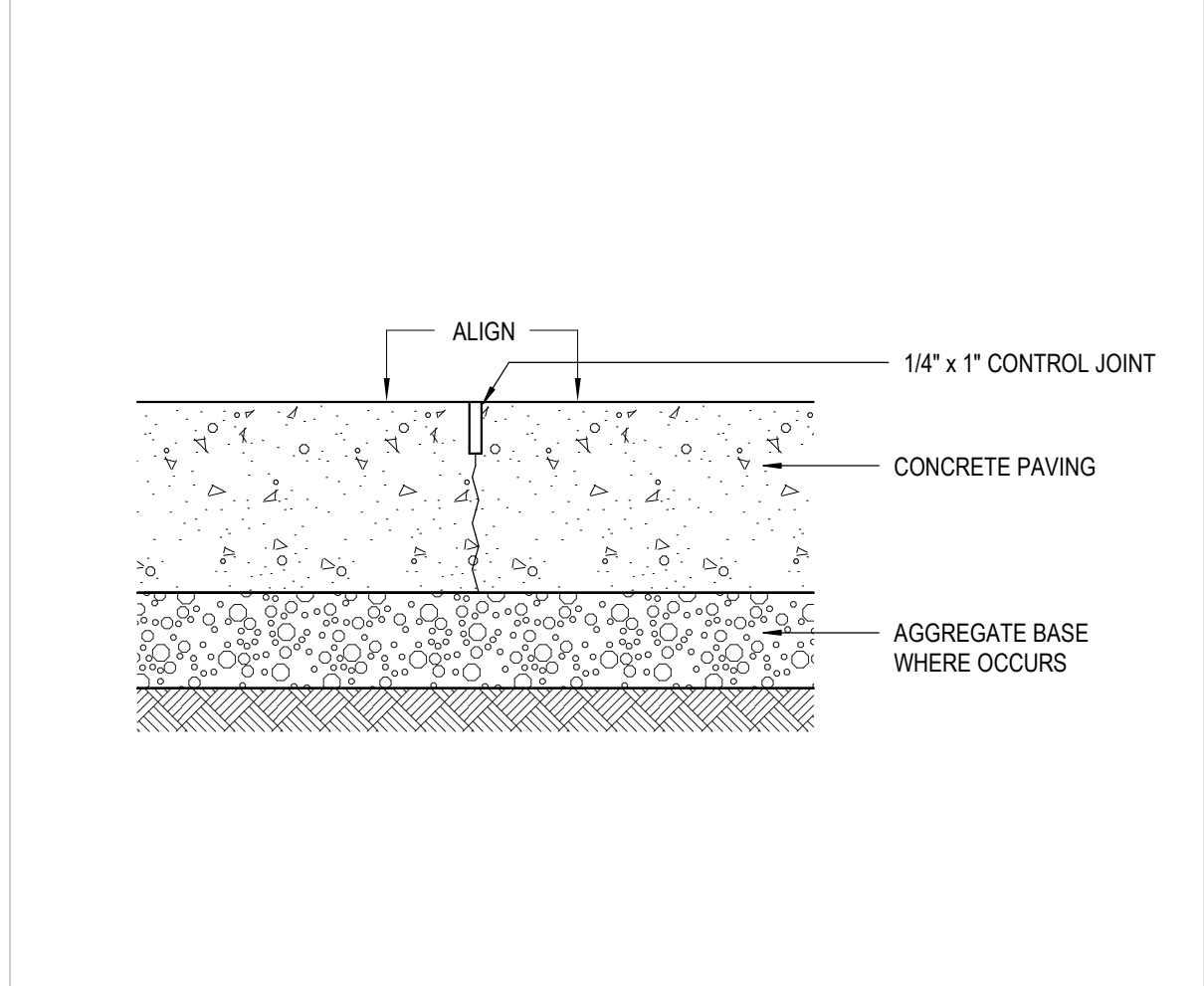
27 DETECTABLE WARNING - TRUNCATED DOMES
A1.20 SCALE: 6" = 1'-0"



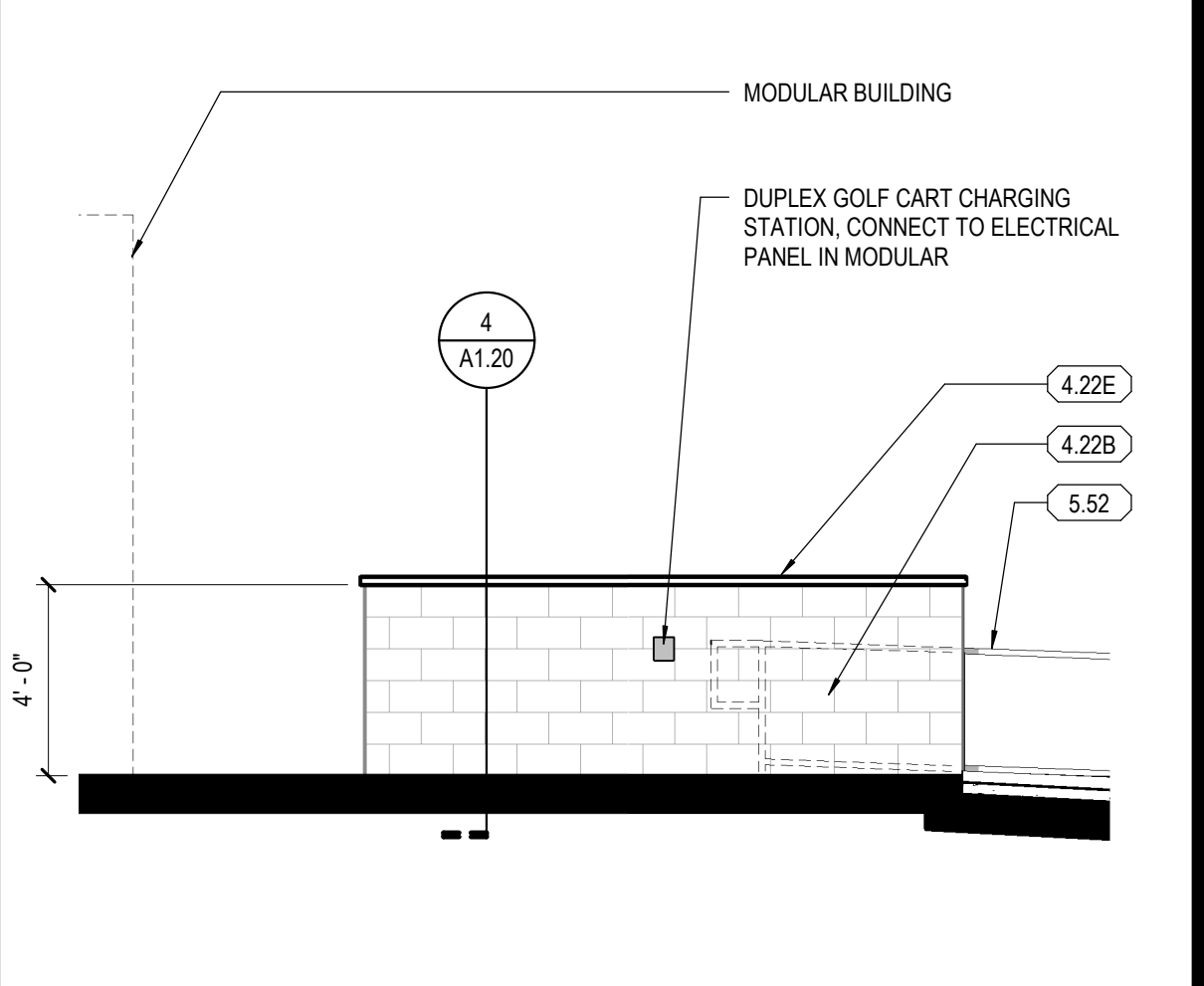
22 RAMP SECTION 2
A1.20 SCALE: 1/2" = 1'-0"



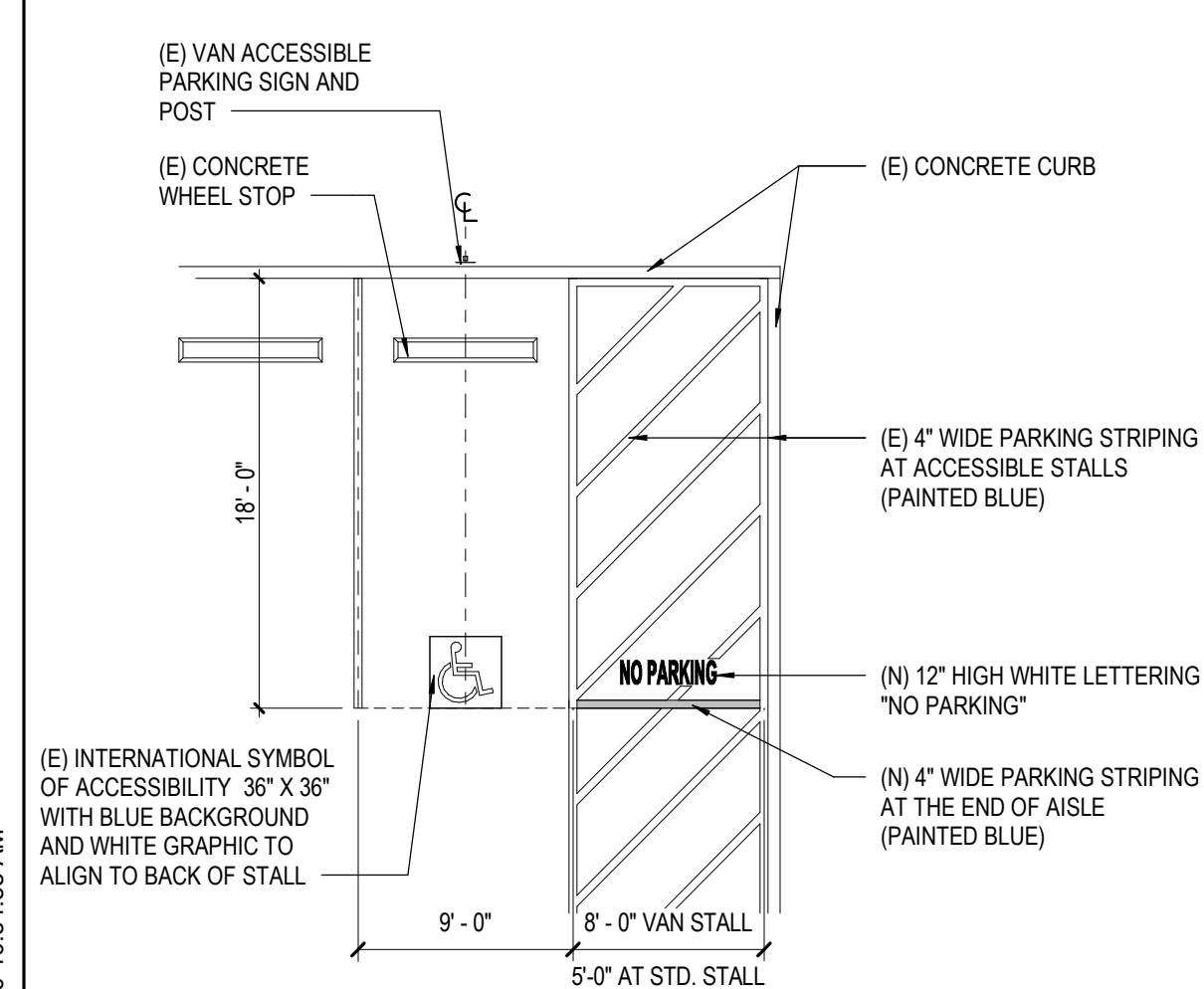
17 BIKE LOCKER ADA LOCK
A1.20 SCALE: 3/8" = 1'-0"



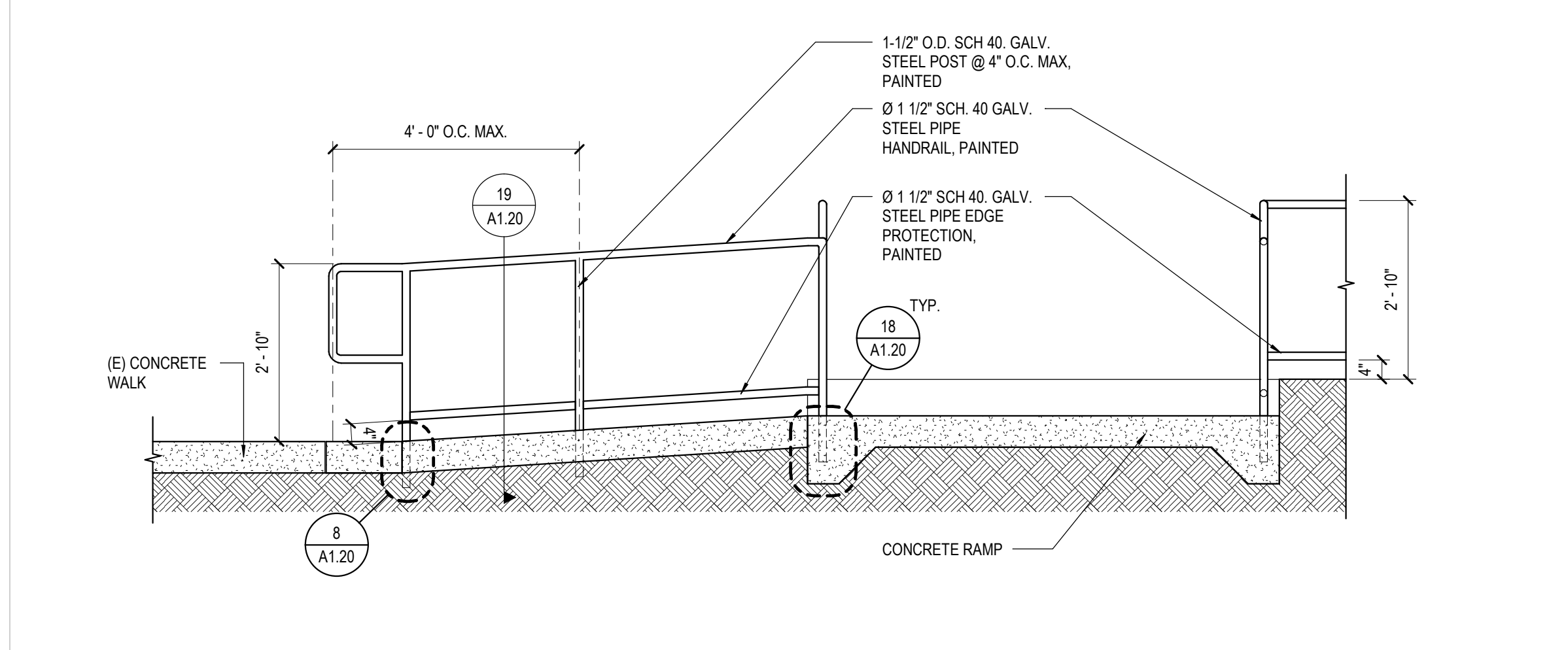
6 SITE NORTH FRONT ELEVATION
A1.20 SCALE: 1/4" = 1'-0"



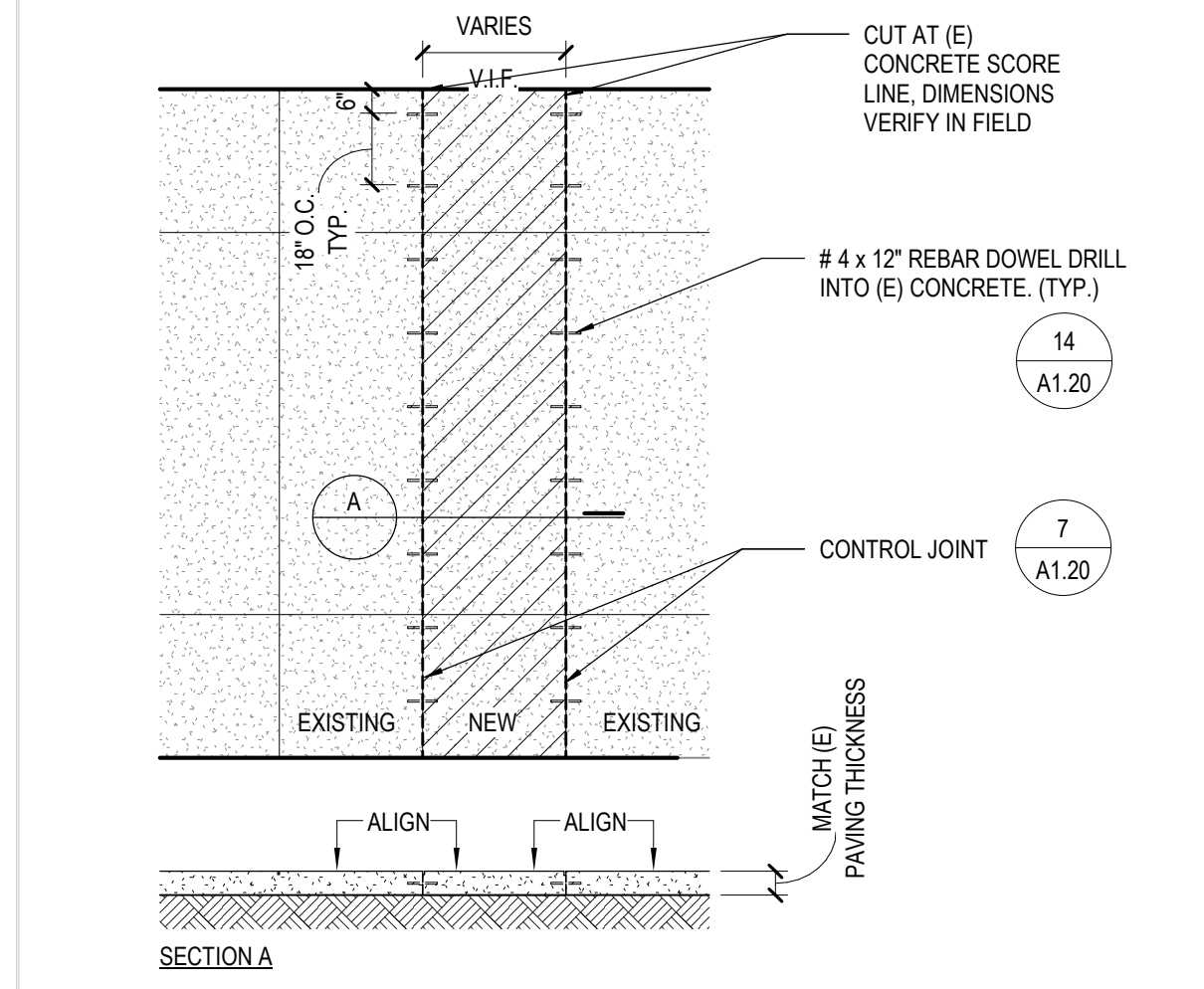
21 RAMP SECTION 1
A1.20 SCALE: 1/2" = 1'-0"



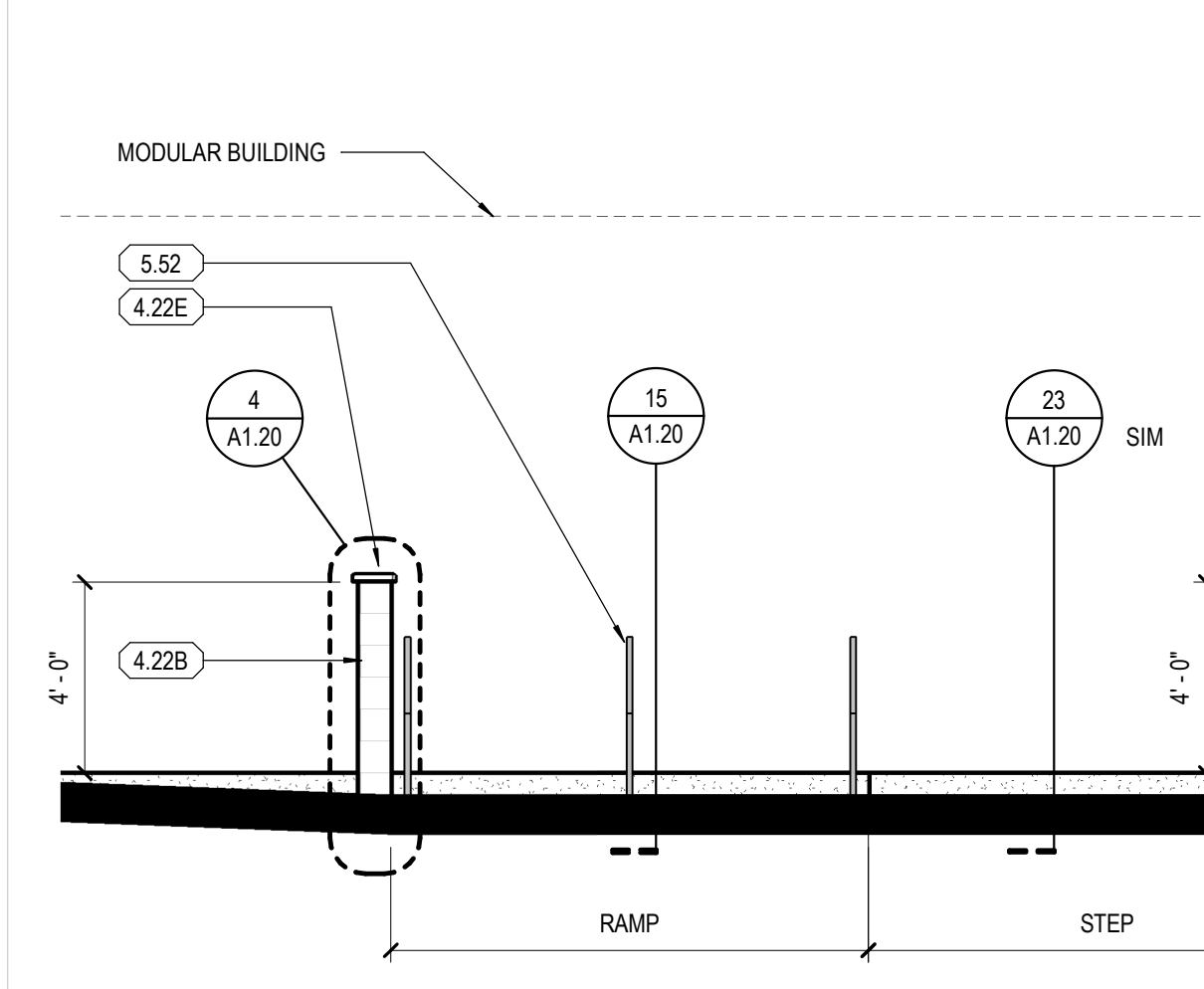
26 ACCESSIBLE PARKING AT A.C. PAVING
A1.20 SCALE: 18" = 1'-0"



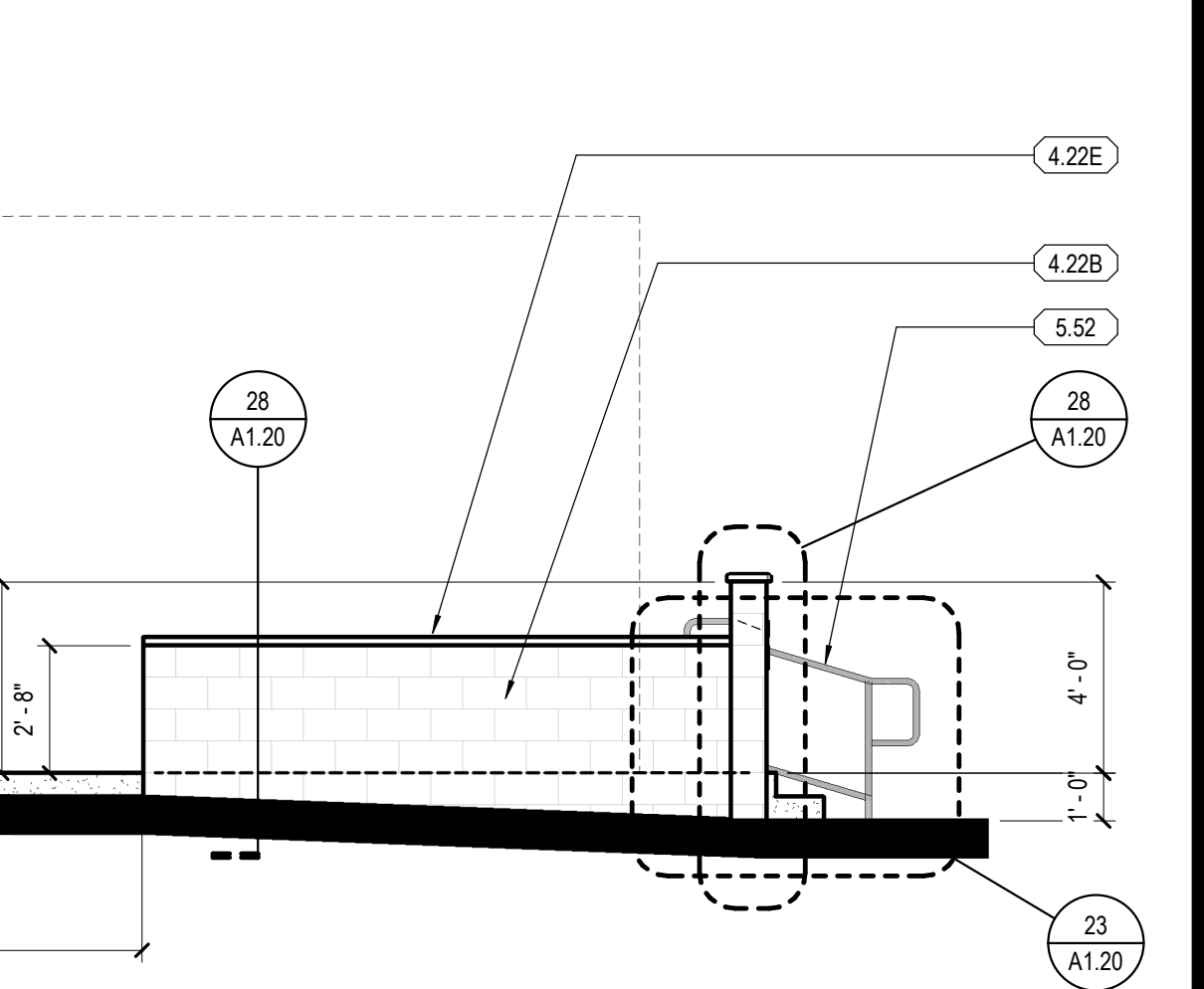
11 TYP. CONCRETE TRENCH
A1.20 SCALE: 1/4" = 1'-0"



9 BIKE RACK IN GROUND MOUNT
A1.20 SCALE: 1 1/2" = 1'-0"



5 SITE NORTH WEST / SIDE ELEVATION
A1.20 SCALE: 1/4" = 1'-0"



20 RAMP SECTION 1
A1.20 SCALE: 1/2" = 1'-0"

CONSULTANT:
SITE DETAILS
DSPS MODULAR BUILDING
IMPERIAL VALLEY COLLEGE
380 EAST ATEN ROAD, IMPERIAL, CA 92251
IMPERIAL COLLEGE
ARCHITECTS
EST. 1993
LICENSED ARCHITECT
J. STEPHEN
NO. 60450
STATE OF CALIFORNIA
sgn ARCHITECTS
18-43100-00
PROJECT NUMBER: CD 100%
PROJECT STATUS: 12/14/2020
REVISION: DATE: DESCRIPTION

LEGEND

SYMBOL	DESCRIPTION
	NOTE CALLOUT
	DETAIL CALLOUT - NUMBER ON TOP DENOTES DETAIL NUMBER - NUMBER ON BOTTOM DENOTES SHEET DETAIL IS SHOWN
	MECHANICAL EQUIPMENT CALLOUT. SEE MECHANICAL PLANS FOR EXACT LOCATION AND REQUIREMENTS
	SECTION CALLOUT
	FEEDER CALLOUT
	EXISTING FEEDER CALLOUT
	NEW LINework
	EXISTING LINework
	DEMOLISHED LINework
	CONDUIT CONCEALED IN WALL OR ABOVE CEILING
	CONDUIT EXPOSED
	CONDUIT CONCEALED UNDERGROUND OR BELOW FLOOR
	CONDUIT EMERGENCY
	MULTI-CHANNEL RACEWAY
	CONDUIT TURNED UP
	CONDUIT CAPPED
	BRANCH CIRCUIT HOMERUN TO PANELBOARD AND CIRCUITS AS INDICATED
	3/4" CONDUIT. TICK MARKS INDICATE QUANTITY OF #12 AWG WIRES (UNLESS NOTED OTHERWISE, NO MARKS INDICATES 2#12 & 1#12 GND WIRES)
	- SMALL MARK DENOTES HOT WIRE
	- LARGE MARK DENOTES NEUTRAL WIRE
	- DIAGONAL DENOTES GROUND WIRE
	GENERATOR
	SWITCH
	CIRCUIT BREAKER
	2-WAY SWITCH, TRANSFER SWITCH
	FUSE
	TRANSFORMER
	GROUND CONNECTION
	MOTOR - SINGLE PHASE FRACTIONAL OR INTEGRAL HORSEPOWER
	METER
	ELECTRONIC CIRCUIT MONITOR
	480V DRAWOUT BREAKER
	VARIABLE FREQUENCY DRIVE
	PANEL
	FUSED DISCONNECT SWITCH
	NON-FUSED DISCONNECT SWITCH
	COMBINATION STARTER/DISCONNECT SWITCH
	SWITCH MOTOR RATED
	SPLICE
	TERMINATION
	EXISTING TERMINATION
	MEDIUM VOLTAGE - AIR CIRCUIT BREAKER DRAWOUT BREAKER
	MEDIUM VOLTAGE FUSED DISCONNECT SWITCH
	MEDIUM VOLTAGE MODULAR SPLICE
	MEDIUM VOLTAGE EXISTING MODULAR SPLICE

SYMBOL	DESCRIPTION
	JUNCTION BOX
	PHOTOCELL FOR EXTERIOR APPLICATIONS
	MODULAR FURNITURE - BASE POWER WHIP FEED CONNECTION
	MODULAR FURNITURE - FLOOR BOX FEED CONNECTION
	MODULAR FURNITURE - POWER POLE FEED CONNECTION
	LIGHTING CONTROL PANEL - SURFACE MOUNTED
	PANELBOARD - RECESSED MOUNTED
	PANELBOARD - SURFACE MOUNTED
	DISTRIBUTION PANEL/ BOARD
	SINGLE POLE SWITCH. DEVICE SHALL BE MOUNTED +48" MAX AND +36" MIN FROM THE CENTER OF DEVICE.
	RECESSED ON WALL SURFACE
	RECESSED ON FLOOR OR CEILING
	20A, 125V DUPLEX RECEPTACLE MOUNTED +15" AFF. UNLESS OTHERWISE NOTED
	20A, 125V QUAD RECEPTACLE MOUNTED +15" AFF. UNLESS OTHERWISE NOTED
	20A, 125V DUPLEX RECEPTACLE RECEPTACLE ON DEDICATED CIRCUIT
	20A, 125V CONTROLLED DUPLEX RECEPTACLE
	20A, 125V QUAD RECEPTACLE (HALF) CONTROLLED RECEPTACLE
	SPECIAL RECEPTACLE REFER TO DRAWINGS FOR NEMA CONFIGURATION
	JUNCTION BOX
	RECESSED POKE-THROUGH
	RECESSED POKE-THROUGH - POWER/TEL/DATA
	RECESSED FLOOR BOX - POWER/TEL/DATA
	20A, 125V DUPLEX RECEPTACLE FIRE RATED TYPE
	20A, 125V QUAD RECEPTACLE FIRE RATED TYPE
	RECESSED POKE-THROUGH - POWER/TEL/DATA
	RECESSED FLOOR BOX - POWER/TEL/DATA

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
1/C	SINGLE CONDUCTOR	KVA	KILOVOLT-AMPERES
&	AND	KW	KILOWATT
@	AT	LF	LINEAR FEET
A OR AMP	AMPERES	LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
ABV	ABOVE	LGST	LARGEST
A/C	ASPHALT/ CONCRETE	LIS	LOAD INTERRUPTER SWITCH
AF	AMPERE FUSE RATING	LOC	LOCATION
AFC	AVAILABLE FAULT CURRENT	LOTO	LOCK-OUT & TAG-OUT
AFF	ABOVE FINISHED FLOOR	LSI	LONG TERM, SHORT TERM, INSTANTANEOUS
AFG	ABOVE FINISH GRADE	LTG	LIGHTING
AIC	AMPERE INTERRUPTING CAPACITY	LV	LOW VOLTAGE
AL	ALUMINUM	M	METER
APPROX.	APPROXIMATE	MAX	MAXIMUM
ARCH.	ARCHITECT, ARCHITECTURAL	MCA	MAXIMUM CIRCUIT AMPACITY
AS	AMPERE SWITCH RATING	MCC	MOTOR CONTROL CENTER
ASCC	AVAILABLE SHORT CIRCUIT CURRENT	MCP	MOTOR CIRCUIT PROTECTOR
ATC	AIR TERMINAL CHAMBER	MFR, MFR	MANUFACTURER
ATO	AUTOMATIC THROW-OVER (SWITCH)	MH	MANHOLE
ATS	AUTOMATIC TRANSFER SWITCH	MI	MECHANICAL INTERLOCK
AUTO	AUTOMATIC	MRC	MULTI-RATIO CURRENT TRANSFORMER
AUX	AUXILIARY	MIN	MINIMUM
AWG	AMERICAN WIRE GAUGE	MOC	MAXIMUM OVERCURRENT PROTECTION
BAT	BATTERY	MTD	MOUNTED
BEL	BELOW	MTG	MOUNTING
BKBD	BACKBOARD	MTR	MOTOR
BKR	BREAKER	MTTB	MAIN TELEPHONE TERMINAL BOARD
BLDG	BUILDING	MV	MEDIUM VOLTAGE
B/S	BARE STRANDED	N	NORTH
C	CONDUIT	NAC	NOTIFICATION APPLIANCE CIRCUIT
CB	CIRCUIT BREAKER	NC	NORMALLY CLOSED
CC	CONSTANT CURRENT	NEC	NATIONAL ELECTRICAL CODE
CEC	CALIFORNIA ELECTRICAL CODE	NF	NON-FUSED
CF	CUBIC FEET	NIC	NOT IN CONTRACT
CKT	CIRCUIT	NL	NIGHT LIGHT- 24HRS ON
CL	CENTER LINE	NO	NO
CLG	CEILING	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OCPO	OVERCURRENT PROTECTIVE DEVICE
C.D.	COLUMN ONLY WITH PULL WIRE	OD	OUTSIDE DIAMETER
COL	COLUMN	OE	OVERHEAD ELECTRICAL
CP	COMMUNICATION PROCESSOR	OF	OIL FUSED CUTOUT
CPT	CURRENT POWER TRANSFORMER	OH	OVERHEAD
CR	CONTROL RELAY	OL	OIL LEVER SWITCH
CSPD	COMBINATION SMOKE FIRE DAMPER	P	POLE
CT	CURRENT TRANSFORMER	PAC	PROGRAMMABLE AUTOMATION CONTROLLER
CW	COLD WATER	PB	PULL BOX
CU	COPPER	PC	PHOTOCELL
DIAG	DIAGRAM	PCH	POLYCHLORINATED BIPHENYL
DIST	DISTANCE	PDS	PRESSURE DIFFERENTIAL SWITCH
DL	DAMP LOCATION LISTING	PF	POWER FACTOR
DM	DIGITAL METER	PH CR Ø	PHASE
DMM	DIGITAL METER MODULE	PIL	PAPER INSULATED LEAD COVER
DP	DISTRIBUTION PANEL	PIV	POST INDICATING VALVE
DIST.	DISTANCE	PL	PLATE
DWG	DRAWING	PLC	PROGRAMMABLE LOGIC CONTROLLER
DWP	DEPARTMENT OF WATER & POWER	PNL	PANEL
EA	EACH	POC	POINT OF CONNECTION
EOM	ELECTRONIC CIRCUIT MONITOR	PREF	PREFERRED
ELEC.	ELECTRICAL	PRI	PRIMARY
EM	EMERGENCY	PVC	POLY-VINYL CHLORIDE
EMH	ELECTRICAL MANHOLE	PWR	POWER
EMT	ELECTRICAL METALLIC TUBING	REC/RECEPT	RECEPTACLE
EPO	EMERGENCY POWER OFF	REQD	REQUIRED
EPR	ETHYLENE PROPYLENE RUBBER	RGS	RIGID GALVANIZED STEEL
EQUIP	EQUIPMENT	RMC	RIGID METAL CONDUIT
ER	EXISTING TO BE REMOVED	RPBP	REDUCED PRESSURE BACK FLOW PREVENTER
ERR	RECONNECTED	RM	ROOM
EXIST(E)	EXISTING	RTAC	REAL TIME AUTOMATION CONTROLLER
EXP	EXPLOSION PROOF	SCCR	SHORT CIRCUIT CURRENT RATING
FA	FIRE ALARM	SCE	SOUTHERN CALIFORNIA EDISON
FFE	FINISHED FLOOR ELEVATION	SF	SQUARE FEET
FIN.	FINISH	SHT	SHEET
FIP	FIELD INTERFACE PANEL	SIG	SIGNAL
FIXT	FIXTURE	SP	SPARE
FLA	FULL LOAD AMPS	SPECS	SPECIFICATIONS
FLR	FLOOR	ST	STREET
FLUOR	FLUORESCENT	STD	STANDARD
FT	FEET	STP	SHIELDED TWISTED PAIR
FACP	FIRE ALARM CONTROL PANEL	SW	SWITCH
FATC	FIRE ALARM TERMINAL CABINET	SWBD	SWITCHBOARD
FMC	FLEXIBLE METAL CONDUIT	SWGR	SWITCHGEAR
FO	FIBER OPTIC	SWST	SWITCHING STATION
GFR	GROUND FAULT RELAY	TB	TERMINAL BLOCK
GG	GREEN GROUND	TEL, TELE	TELEPHONE
GND	GROUND	TMH	TELEPHONE MANHOLE
HDA	HAND-OFF-AUTOMATIC	T.O.D.	TOP OF DUCTBANK
HP	HORSEPOWER	T.O.M.	TOP OF MANHOLE
HT	HEIGHT	TPS	TWISTED SHIELDED PAIR
HTR	HEATER	TRANSF.XFMR	TRANSFORMER
HZ	HERTZ	TS	TAMPER SWITCH
ICON	INTEGRATED COMMUNICATIONS OPTICAL NETWORK	TYP	TYPICAL
IE	INVERT ELEVATION	UG	UNDERGROUND
IED	INTELLIGENT ELECTRONIC DEVICES	UN	UNLESS OTHERWISE NOTED
IMC	INTERMEDIATE METAL CONDUIT	V	VOLTS
ISC	SHORT CIRCUIT CURRENT	VFD	VARIABLE FREQUENCY DRIVE
INCAND	INCANDESCENT	W	WATTS
J, JB, J-BOX	JUNCTION BOX	W/	WITH
KMIL	THOUSAND CIRCULAR MILS	W/O	WITHOUT
KV	KILOVOLT	WCR	WITHSTAND CLOSE-ON RATING
		WP	WEATHERPROOF
		Z	IMPEDANCE

IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, REFERENCE WILL BE MADE TO ANSI Y1.1.1, MILITARY STANDARD ABBREVIATIONS, AND OTHER STANDARD INDUSTRY CONVENTIONS.

GENERAL NOTES

- ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF THE CALIFORNIA ELECTRICAL CODE AND ALL OTHER APPLICABLE FEDERAL AND STATE. WHERE THE CONSTRUCTION DOCUMENTS INDICATE MORE RESTRICTIVE REQUIREMENTS, THE CONSTRUCTION DOCUMENTS SHALL GOVERN BUT THE CONSTRUCTION DOCUMENTS SHALL NOT BE INTERPRETED AS AUTHORITY TO VIOLATE ANY CODE OR REGULATION.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BEAR THE UNDERWRITERS' LABEL (UL) AND SHALL BE INSTALLED IN THE MANNER FOR WHICH THEY ARE DESIGNED AND APPROVED.
- THE CONTRACTOR SHALL NOT BORE, NOTCH OR IN ANY WAY CUT INTO ANY STRUCTURAL MEMBER WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT OR STRUCTURAL ENGINEER.
- MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT ANCHORAGE NOTES:
 - ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
 - MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.
- PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES:
 - PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN LATEST SECTIONS OF CBC AND ASCE.

SHEET INDEX

SHEET	DESCRIPTION
E0.01	GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX
E0.02	FIRE ALARM GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX
E1.01	OVERALL SITE PLAN
E2.01	FIRE ALARM FLOOR PLAN
E5.01	SINGLE LINE DIAGRAM
E5.02	RISER DIAGRAM AND CALCULATIONS
E6.01	DETAILS
E6.02	DETAILS

DSA NOTES

- COMPLY WITH TITLE 24, CCR, PARTS 1-6 AND 9.
- TITLE 24, CCR, PARTS 1-5 MUST BE KEPT ON SITE DURING CONSTRUCTION.
- ALL ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA. (SECTION 4-338(c), PART 1).
- ALL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CHANGE ORDER OF ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION. (IR A-6)(SECTION 4-338(c), PART 1) SUBSTITUTION SHALL BE FOR ANY MATERIAL, SYSTEM OR PRODUCT THAT WOULD OTHERWISE BE REGULATED BY DSA.
- ALL CHANGE ORDERS AND FIELD CHANGE DOCUMENTS (PRELIMINARY CHANGE ORDERS)(SECTION 4-338(c)(d), PART 1) MUST BE SIGNED BY ALL THE FOLLOWING:
 - A/E OF RECORD.
 - OWNER (CHANGE ORDERS ONLY).
 - STRUCTURAL ENGINEER (WHEN APPLICABLE).
 - DELEGATED PROFESSIONAL ENGINEER (WHEN APPLICABLE).
- AND SHALL BE SUBMITTED TO AND APPROVED BY DSA.
- A PROJECT INSPECTOR AND TESTING LAB SHALL BE PROVIDED AND APPROVED BY ALL OF THE FOLLOWING:
 - A/E OF RECORD.
 - STRUCTURAL ENGINEER.
 - DSA.
- ANY ALTERATIONS, REHABILITATION, OR RECONSTRUCTION AS STATED IN TITLE 24, PART 1 SECTION 4-317(c) OR SIMILAR MEANING. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODES OF REGULATIONS, A CHANGE ORDER, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.
- MEP COMPONENT ANCHORAGE NOTE:

ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26, AND 30.

 - ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. PERMANENTLY ATTACHED SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

 - COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
 - COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL ELECTRICAL COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.
- ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:

ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G. OSHPO OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP □ MD □ PP □ E X - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP □ MD □ PP □ E □ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPO PRE-APPROVAL (OPM #) # _____

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC.
REVIEWED FOR:
SS [] FLS [] ACS []
DATE: 12/17/2020

CONSULTANT:
PES ENG
Long Beach | Los Angeles
San Diego | San Jose
p@pesinc.com

GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX
DSPS MODULAR BUILDING
IMPERIAL VALLEY COLLEGE
380 EAST ATEN ROAD, IMPERIAL, CA 92251

IMPERIAL VALLEY COLLEGE
EST. 1952

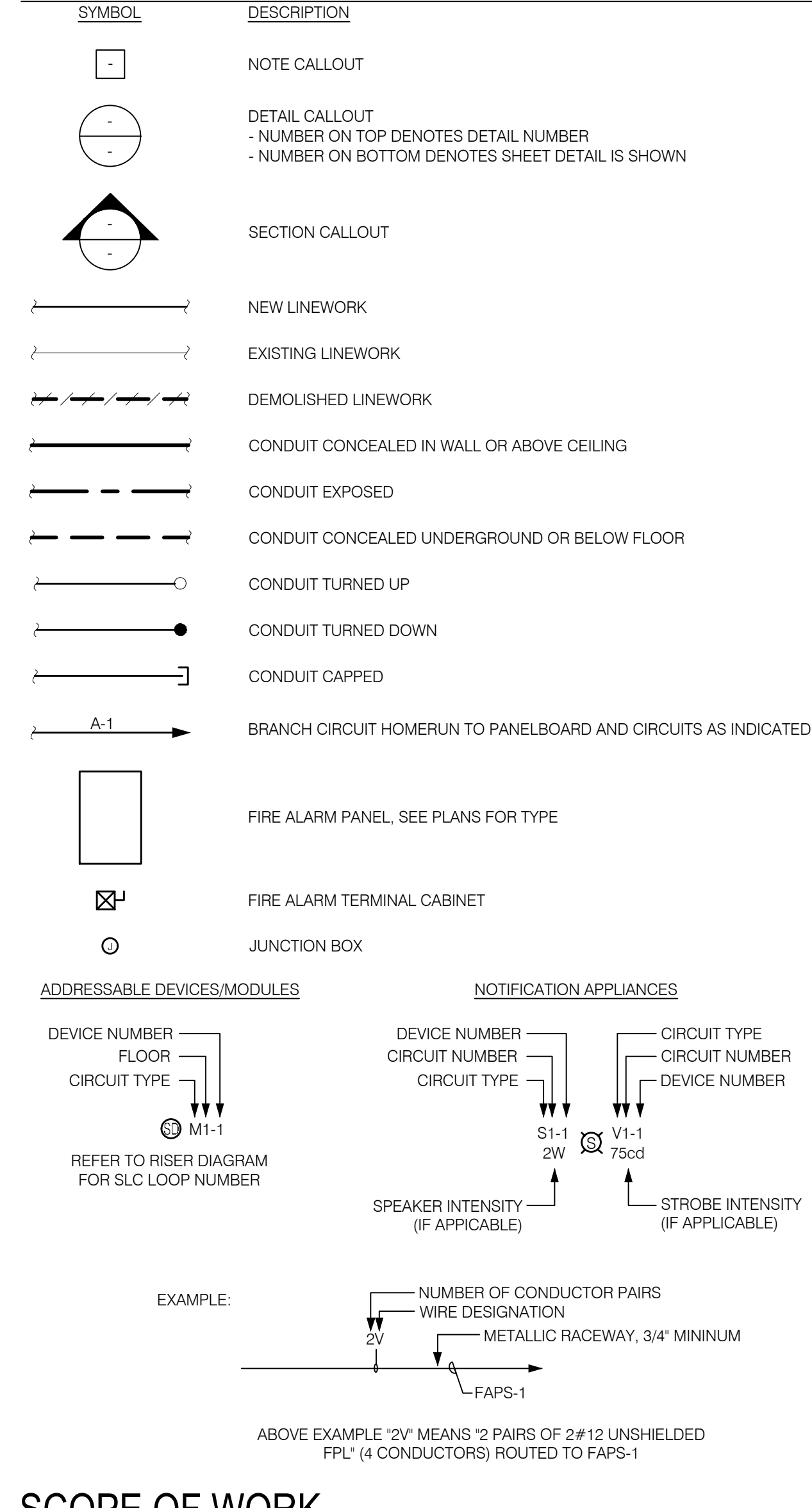
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
DATE EXPIRES: 07/28/2020

sgn ARCHITECTS

PROJECT NUMBER: 19-43100-00
PROJECT STATUS: DSA Submittal
PROJECT ISSUED: 07/28/2020
REVISION: DATE: DESCRIPTION

DEVICE SCHEDULE				
SYMBOL	MODEL	MANUFACTURER	DESCRIPTION	C.S.F.M.
PANELS/CABINETS				
[FACP]	4100-9111	SIMPLEX	FIRE ALARM CONTROL PANEL WITH ANNUNCIATOR	7165-0026.0251
[FATC]	-	-	FIRE ALARM TERMINAL CABINET	-
[FAPS]	4009-9201	SIMPLEX	REMOTE POWER SUPPLY PANEL	7300-0026.0214
ADDRESSABLE INITIATING DEVICES				
[SD]	4098-9714	SIMPLEX	SMOKE DETECTOR DETECTOR BASE	7272-0060.0218
	4098-9714	SIMPLEX	HEAT DETECTOR DETECTOR BASE	7270-0026.0218
[D]	4098-9732	SIMPLEX	SMOKE DETECTOR DETECTOR BASE	7300-0026.0217
	4098-9732	SIMPLEX	HEAT DETECTOR DETECTOR BASE	7300-0026.0217
[M]	4099-9021	SIMPLEX	MANUAL PULL STATION	7150-0026.0224
ADDRESSABLE MODULES				
[M]	4090-9001	SIMPLEX	MONITOR MODULE	7300-0026.0223
[C]	-	-	ADDRESSABLE CONTROL MODULE	-
[R]	-	-	ADDRESSABLE RELAY MODULE	-
NOTIFICATION APPLIANCES				
[S]	4906-9103	-	MULTI-CANDELA WALL STROBE	7125-0026.0316
[H]	4906-9129	-	MULTI-CANDELA WALL HORN STROBE	7125-0026.0317
AUXILIARY ACCESSORIES				
[DOC]	ACE-11	SIMPLEX	SYSTEM RECORD DOCUMENT CABINET	7300-0553.0110

LEGEND



SCOPE OF WORK

- WORK SHALL INCLUDE BUT NOT BE LIMITED TO: THE INSTALLATION AND TESTING OF THE CAMPUS FIRE ALARM SYSTEM AND REMOVAL OF THE EXISTING FIRE ALARM SYSTEM.
- WHERE AN EXISTING REQUIRED FIRE PROTECTION SYSTEM IS TAKEN OUT OF SERVICE THE FIRE DEPARTMENT AND FIRE CODE OFFICIAL SHALL BE NOTIFIED. THE OCCUPIED AREA(S) OF A BUILDING LEFT UNPROTECTED WHERE IMPAIRMENTS ARE MADE TO THE FIRE PROTECTION SYSTEM SHALL BE EVACUATED OR PROVIDED WITH A FIRE WATCH FOR ALL OCCUPANTS UNTIL THE FIRE PROTECTION SYSTEM HAS BEEN RETURNED TO NORMAL SERVICE.
- UPON COMPLETION A COMPLETE PRETEST SHALL BE PERFORMED TO VERIFY FUNCTIONALITY. IF THE FUNCTIONALITY IS COMPLETE THEN THE PROPER DOCUMENTATION SHALL BE SUBMITTED TO THE AUTHORITY HAVING JURISDICTION PRIOR TO SCHEDULING A FINAL INSPECTION.
- THE FOLLOWING DOCUMENTATION SHALL BE PROVIDED TO THE OWNER UPON FINAL ACCEPTANCE OF THE SYSTEM:
 - OWNER'S MANUAL AND INSTALLATION INSTRUCTION COVERING ALL SYSTEMS EQUIPMENT AND REQUIREMENTS.
 - RECORD SHOP DRAWINGS IN AUTOCAD FORMAT.
 - RECORD COPY OF SITE SPECIFIC SOFTWARE (FOR SOFTWARE BASED).
 - NFPA 72 RECORD OF COMPLETION DOCUMENTATION.

ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
&	AND	LOC.	LOCATION
@	LOCK-OUT & TAG-OUT	LOT	LIGHTING
A OR AMP	AMPERES	LV	LOW VOLTAGE
ABV	ABOVE	M	METER
AF	AMPERE FUSE RATING	MAX	MAXIMUM
AF	AMPERE FUSE RATINGS	MCC	MOTOR CONTROL CENTER
AFF	ABOVE FINISHED FLOOR	MFR	MANUFACTURER
AFG	ABOVE FINISH GRADE	MANIC	MANICULE
AMP	AMPLIFIER	MIN	MINIMUM
ANN	ANNUNCIATOR	MTD	MOUNTED
APPROX.	APPROXIMATE	MTS	MOUNTING
ARCH.	ARCHITECT, ARCHITECTURAL	MTR	MOTOR
AUTO	AUTOMATIC	MTTB	MAIN TELEPHONE TERMINAL BOARD
AUX	AUXILIARY	MV	MULTI-VOLTAGE
AWG	AMERICAN WIRE GAUGE	N	NORTH
BAT	BATTERY	NAC	NOTIFICATION APPLIANCE CIRCUIT
BEL	BELOW	NC	NORMALLY CLOSED
BKBD	BACKBOARD	NEC	NATIONAL ELECTRICAL CODE
BLDG	BUILDING	NEF	NON-FUSED
C	CONDUIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CL	CENTER LINE	NO.	NUMBER
CLG	CEILING	OC	ON CENTER
CMU	CONCRETE MASONRY UNIT	OD	OUTSIDE DIAMETER
C.O.	CONDUIT ONLY WITH FULL WIRE	OH	OVERHEAD
COL	COLUMN	P	POLE
CSFD	COMBINATION SMOKE FIRE DAMPER	PB	PULL BOX
CJ	COPPER	PIV	POST INDICATING VALVE
DD	DUCT DETECTOR	PL	PLATE
DH	DOOR HOLDER	PNL	PANEL
DIAG	DIAGRAM	POC	POINT OF CONNECTION
D.O.	DISCONNECT	PREF.	PREFERRED
DIST	DISTANCE	PR	PRIMARY
DWG	DRAWING	PVC	POLY-VINYL CHLORIDE
DWP	DEPARTMENT OF WATER & POWER	PWR	POWER
EA	EACH	REC/RECEPT	RECEPTACLE
ELEC.	ELECTRICAL	REQ'D	REQUIRED
EM	EMERGENCY	RGS	RIGID GALVANIZED STEEL
EMH	ELECTRICAL MANHOLE	RM	ROOM
END OF LINE	ELECTRICAL METALLIC TUBING	RMC	RIGID METAL CONDUIT
EOL	END OF LINE	RPPB	REDUCED PRESSURE BACK FLOW PREVENTER
EPO	EMERGENCY POWER OFF	SCE	SOUTHERN CALIFORNIA EDISON
EQUIP	EQUIPMENT	SF	SQUARE FEET
EXIST(E)	EXISTING	SHT	SHEET
EXP	EXPLOSION PROOF	SIG.	SIGNAL
FA	FIRE ALARM	SLC	SIGNALING LINE CIRCUIT
FACP	FIRE ALARM CONTROL PANEL	SP	SPECIFICATIONS
FAPS	FIRE ALARM POWER SUPPLY	ST	STREET
FATC	FIRE ALARM TERMINAL CABINET	STD	STANDARD
FEE	FINISHED FLOOR ELEVATION	STP	SHIELDED TWISTED PAIR
FIN	FINISH	SW	SWITCH
FIXT	FIXTURE	SWBD	SWITCHBOARD
FLR	FLOOR	SWGR	SWITCHGEAR
FMC	FLEXIBLE METAL CONDUIT	TB	TERMINAL BLOCK
FO	FIBER OPTIC	TEL-TELE	TELEPHONE
FP	FIRE PUMP	TMH	TELEPHONE MANHOLE
FT	FOOTING	T.O.D.	TOP OF DUCTBANK
FTG	FOOTING	T.O.M.	TOP OF MANHOLE
GEN	GENERATOR	T.P.	TWISTED SHIELDED PAIR
GFI	GROUND FAULT INTERRUPTER	TRANSF.XFMR	TRANSFORMER
GND	GROUND	TAMPER SWITCH	TAMPER SWITCH
HOA	HAND-OFF-AUTOMATIC	TRYP	TRYPICAL
HP	HORSEPOWER	UG	UNDERGROUND
HT	HEIGHT	UNLESS OTHERWISE NOTED	UNLESS OTHERWISE NOTED
HTR	HEATER	V	VOLTS
HZ	HERTZ	VA	VOLT-AMPERES
IC	INITIATION DEVICE CIRCUIT	VAC	VOLTS ALTERNATING CURRENT
IMC	INTERMEDIATE METAL CONDUIT	VDC	VOLTS DIRECT CURRENT
J.B.	J-BOX	VECP	VOICE/EVACUATION CONTROL PANEL
KV	KILOVOLT	W	WATTS
KVA	KILOVOLT-AMPERES	W/	WITH
KW	KILOWATT	W/O	WITHOUT
LF	LINEAR FEET	WP	WEATHERPROOF
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT		
LGST	LARGEST		

IN THE EVENT ABBREVIATIONS NOT MENTIONED HEREIN ARE USED, REFERENCE WILL BE MADE TO ANSI Y1.1, MILITARY STANDARD ABBREVIATIONS, AND OTHER STANDARD INDUSTRY CONVENTIONS.

APPLICABLE CODES

CALIFORNIA BUILDINGS STANDARDS CODE (CALIFORNIA CODE OF REGULATIONS, TITLE 24):		
PART 1	2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.	
PART 2	2019 CALIFORNIA CODE, TITLE 24 C.C.R. (2019 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)	
PART 3	2019 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PREVENTION ASSOCIATION, NFPA)	
PART 4	2019 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)	
PART 5	2019 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)	
PART 6	2019 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.	
PART 7	CURRENTLY VACANT	
PART 8	2019 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.	
PART 9	2019 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)	
PART 10	2019 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)	
PART 11	2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), TITLE 24 C.C.R.	
PART 12	2019 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24 C.C.R.	
PARTIAL LIST OF APPLICABLE STANDARDS:		
2016 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35		
NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20	STATIONARY PUMPS	2016 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE: SEE UL STANDARD 1971 FOR VISUAL DEVICES)	2016 EDITION
NFPA 80	FIRE DOOR AND OTHER OPENINGS PROTECTIVES	2016 EDITION

WIRE FILL CHART

TRADE SIZE	INTERNAL DIAMETER INCHES	AREA - SQUARE INCHES									
		TOTAL 100%	PERCENT REDUCTION PER NUMBER OF 18AWG TWISTED SHIELDED PAIRS								
			OVER 2 COND. 40%	1	2	3	4	5	6	7	8
1/2	0.622	0.30	0.12	33%	66%	99%	X	X	X	X	X
3/4	0.824	0.53	0.21	19%	38%	57%	76%	95%	X	X	X
1	1.049	0.86	0.34	12%	24%	36%	48%	60%	72%	84%	96%
1 1/4	1.380	1.50	0.60	7%	14%	21%	28%	35%	42%	49%	56%
1 1/2	1.610	2.04	0.82	5%	10%	15%	20%	25	30%	35%	40%
2	2.067	3.36	1.34	3.00%	6%	9%	12%	15%	18%	21%	24%

GENERAL NOTES

- CONTROL CIRCUITS ARE NON POWER LIMITED. MINIMUM RECOMMENDED WIRE SIZE TO BE DETERMINED BY CIRCUIT LOAD.
- WIRING SHALL NOT BE LOOPED THROUGH DEVICES UPON TERMINATION. WIRE MUST BE CUT FOR IN AND OUT RUNS PRIOR TO DEVICE TERMINATION.
- WHERE SHIELDED CABLE IS USED, THE SHIELD SHALL BE CONTINUOUS AND GROUNDED ONLY AT THE RESPECTIVE CONTROL PANEL.
- T-TAPPING OR PARALLEL BRANCHING OF NOTIFICATION APPLIANCE DEVICE CIRCUITS IS PROHIBITED ON CLASS A CIRCUITS.
- ELECTRICAL CONTRACTOR IS REQUIRED TO USE: COLOR CODE, WIRE NUMBERS, OR AS SPECIFIED IN THE PROJECT SPECIFICATIONS ON ALL CIRCUITS AND SHALL BE CONTINUOUS, OTHERWISE, NO FINAL CONNECTIONS OR TESTING SHALL BE PERFORMED. IF WIRE COLOR CODING IS USED, GREEN WILL BE USED FOR GROUND BONDING ONLY.
- POINT AND COMMON ANNUNCIATION AND T-TAPPING PROHIBITED.
- ALL WIRING, INITIATING DEVICES AND ANNUNCIATOR PANELS SHALL BE SUPERVISED TO THE PRINCIPAL POINT OF ANNUNCIATION (FIRE ALARM CONTROL PANEL(S) TO SUPERVISE ANNUNCIATOR PANEL(S), SUB-PANEL(S), ALL CIRCUITS AND INITIATING DEVICES).
- FIRE ALARM SIGNAL SHALL MEET ANSI S3.41, AUDIBLE EMERGENCY EVACUATION SIGNAL (TEMPORAL PATTERN).
- AUDIBILITY OF ALARM SHALL BE NOT LESS THAN 15DB ABOVE AMBIENT SOUND THROUGHOUT THE AREA OF ALARM.
- ALL STROBE APPLIANCES SHALL BE SYNCHRONIZED IN ACCORDANCE WITH NATIONAL FIRE ALARM CODE (NFPA 72), REFERENCE APPLICABLE EDITIONS UNDER 'APPLICABLE CODES & REGULATIONS'.
- STROBE APPLIANCE LOCATIONS ARE BASED ON 10 FOOT CEILING HEIGHTS AND ARE INSTALLED IN ACCORDANCE WITH NATIONAL FIRE ALARM CODE (NFPA 72) UNLESS OTHERWISE NOTED. REFERENCE APPLICABLE EDITIONS UNDER 'APPLICABLE CODES & REGULATIONS'.
- WALL-MOUNTED STROBE AND HORN/STROBE APPLIANCES SHALL BE MOUNTED A MINIMUM OF 80 INCHES ABOVE FINISHED FLOOR OR 6 INCHES MINIMUM BELOW THE CEILING, (WHICH EVER IS LOWER). MEASUREMENT ARE TO BE TAKEN FROM BOTTOM OF STROBE.
- PHOTOELECTRIC DETECTORS SHALL NOT BE IN DIRECT AIR STREAM SUPPLY AIR OUTLETS.
- REFER TO RESPECTIVE CATALOG CUT SHEETS FOR ELECTRICAL MOUNTING HARDWARE.
- ALL DEVICES OF THE FIRE ALARM SYSTEM SHALL BE APPROVED AND LISTED BY THE CALIFORNIA STATE FIRE MARSHAL.
- AUDIBILITY WILL BE DETERMINED BY THE FIELD FIRE MARSHAL OR DSA INSPECTOR.
- ALL FIRE ALARM CIRCUITS SHALL BE LABELED AT CONNECTIONS AND AT JUNCTION BOXES.
- DUCT SMOKE DETECTORS SHALL BE TESTED FOR DUCT VELOCITY AND PRESSURE DIFFERENTIAL IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- DIFFERENTIAL PRESSURE SWITCHES SHALL BE SUPPLIED AND INSTALLED BY A LICENSED MECHANICAL CONTRACTOR. THE ELECTRICAL CONNECTION TO THE DIFFERENTIAL PRESSURE SWITCH SHALL BE MADE BY THE FIRE ALARM CONTRACTOR.
- UNLESS OTHERWISE NOTED ALL WIRING AND INSTALLATION METHODS SHALL CONFORM TO CALIFORNIA ELECTRICAL CODE (CEC), ARTICLE 760. SEE APPLICABLE EDITION UNDER 'APPLICABLE CODES & REGULATIONS'.
- UNLESS OTHERWISE NOTED ALL WIRING AND INSTALLATION METHODS SHALL CONFORM TO CALIFORNIA ELECTRICAL CODE (CEC), ARTICLE 760. SEE APPLICABLE EDITION UNDER 'APPLICABLE CODES & REGULATIONS'.
- PER SPECIFICATION CONDUIT RISERS SHALL BE INSTALLED INSIDE A TWO HOUR FIRE RATED ENCLOSURE PROVIDED BY OTHERS. HORIZONTAL OFFSET CONDUITS AND JUNCTION BOXES SHALL BE PROTECTED BY TWO HOUR FIRE RATED ENCLOSURES PROVIDED BY OTHERS.
- ALL RACEWAY RUNS INDICATED WITHIN THIS DRAWING PACKAGE ARE SHOWN DIAGRAMMATICALLY AND ARE FOR CIRCUITING PURPOSES ONLY. ALL RUNS SHOWN SHOULD NOT SERVE IN ANY WAY AS AN ACTUAL ROUTING GUIDE FOR INSTALLATION OF RACEWAYS. EXACT INSTALL LOCATION SHALL BE FIELD DETERMINED.
- ADDITIONAL JUNCTION BOXES NOT SHOWN MAY BE REQUIRED TO ACCOMMODATE PROPER RACEWAY INSTALLATIONS. IT IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO DETERMINE THE NECESSARY AMOUNT OF JUNCTION BOXES REQUIRED.
- SUBMITTED DRAWING PACKAGE MUST BE REVIEWED BY COLLEGE OR DISTRICT REPRESENTATIVE AND ONE COPY OF THE REVIEWED DRAWING AND SUBMITTAL MUST BE RETURNED TO MANUFACTURER BEFORE ANY EQUIPMENT IS SHIPPED OR INSTALLED. CUSTOM ANNUNCIATORS WILL NOT BE FABRICATED UNTIL WRITTEN APPROVAL OF LAYOUT AND/OR ARTWORK IS RECEIVED.
- FOR INSPECTION AND OR TESTING THE FIRE MARSHAL OR DSA INSPECTOR SHALL BE NOTIFIED FOR SCHEDULING AN APPOINTMENT.
- A CERTIFICATE OF COMPLIANCE SHALL BE PREPARED BY THE INSTALLER AND GIVEN TO THE FIRE MARSHAL UPON COMPLETION OF THE INSTALLATION.
- ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF THE INSPECTOR OF RECORD. THE STRICTER REQUIREMENT WILL PREVAIL.
- A STAMPED SET OF APPROVED FIRE ALARM PLANS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM APPROVED PLANS, INCLUDING THE SUBSTITUTION OF DEVICES SHALL BE APPROVED BY THE FIRE MARSHAL.
- UPON COMPLETION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE FIRE MARSHAL.
- UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.
- REFER TO THE SPECIFICATIONS BOOK FOR ADDITIONAL REQUIREMENTS.

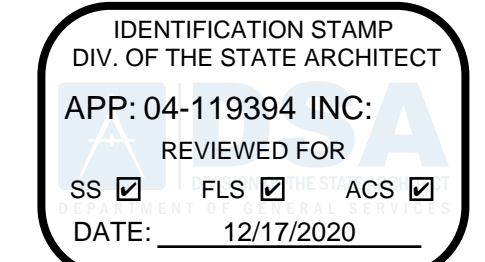
WIRE SCHEDULE			
DESIGNATION	CIRCUIT TYPE	WIRE/CABLE TYPE	C.S.F.M.
M	SIGNALING LINE CIRCUIT	UNSHIELDED 2#16 FPL, GENESIS CABLE 4111	7161-1487.0100
V	NOTIFICATION APPLIANCE CIRCUIT	UNSHIELDED 2#12 FPL, GENESIS CABLE 4115	7161-1487.0100
S	SPEAKER CIRCUIT	SHIELDED 2#14 FPL, GENESIS CABLE 4208	7161-1487.0100
X	INITIATING CIRCUIT	UNSHIELDED 2#14 FPL, GENESIS CABLE 4113	7161-1487.0100
P	AUXILIARY POWER (24 VDC)	UNSHIELDED 2#14 FPL, GENESIS CABLE 4113	7161-1487.0100
F	FIREFIGHTERS TELEPHONE	UNSHIELDED 2#16 FPL, GENESIS CABLE 4206	7161-1487.0100
D	NETWORK DATA	UNSHIELDED 2#18 FPL, GENESIS CABLE 4106	7161-1487.0100
A	NETWORK AUDIO	UNSHIELDED 2#18 FPL, GENESIS CABLE 4106	7161-1487.0100

NOTE:

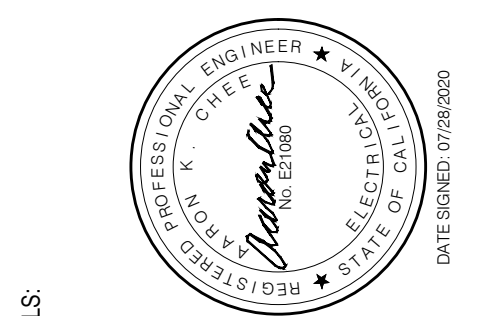
- ALARM, TROUBLE, AND SUPERVISORY SIGNALS FROM ALL ADDRESSABLE DEVICES SHALL BE ENCODED ON AN NFPA 72 CLASS B SIGNALING LINE CIRCUIT (SLC).
- INITIATION DEVICE CIRCUITS (IDC) CONTAINING MORE THAN ONE DEVICE SHALL BE WIRED NFPA 72 CLASS B AS PART OF AN ADDRESSABLE DEVICE CONNECTED BY THE SLC.
- NOTIFICATION APPLIANCE CIRCUITS (NAC) SHALL BE WIRED CLASS B.
- PROVIDE WET LOCATION RATED CABLES WHERE INSTALLED UNDERGROUND OUTSIDE THE BUILDING.
- ALARM SIGNALS ARRIVING AT THE FACP SHALL NOT BE LOST FOLLOWING A PRIMARY POWER FAILURE (OR OUTAGE) UNTIL THE ALARM SIGNAL IS PROCESSED AND RECORDED.

SEQUENCE OF OPERATIONS

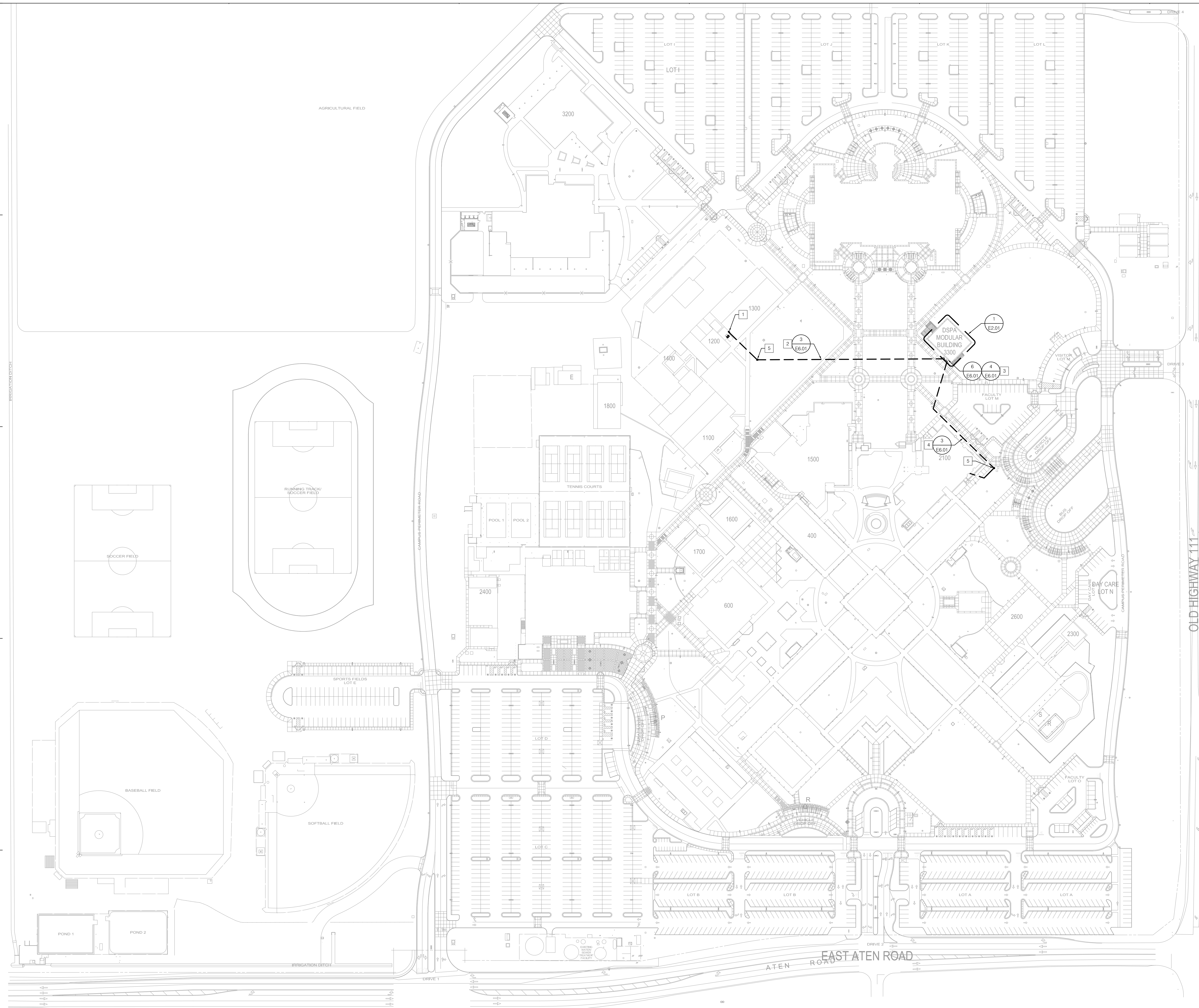
DEVICE ACTION	MANUAL PULL STATION	AREA SMOKE/HEAT DETECTOR	120VAC POWER FAILURE
SOUND CONTROL PANEL TROUBLE BUZZER	X	-	X
ACTIVATE RELAY FOR MONITORING (ALARM OR TROUBLE)	X	X	-
ANNUNCIATE AT FIRE ALARM CONTROL PANEL (ALARM OR TROUBLE)	X	X	X
ANNUNCIATE AT REMOTE FIRE ALARM ANNUNCIATOR (ALARM OR TROUBLE)	X	X	X
ACTIVATE AUDIBLE/ VISUAL ALARM SIGNALS THROUGHOUT BUILDING	X	X	-



FIRE ALARM GENERAL NOTES, LEGEND, ABBREVIATIONS AND SHEET INDEX



PROJECT NUMBER: 19-43100-00
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- NOTES**
- 1 REPLACE EXISTING 240V, 2P BREAKER WITH 400A, 208, 3P BREAKER.
 - 2 PROVIDE (2) 3" C TO SERVE MODULAR BUILDING. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
 - 3 PROVIDE (2) 200A DISCONNECTS TO SERVE MODULAR BUILDING PANELS. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL INFORMATION.
 - 4 PROVIDE (1) 2" C FROM (E)FACP BUILDING 2100, TO MODULAR BUILDING. FOR FIRE ALARM TIE-IN. FIELD COORDINATE WITH TELECOM FOR SINGLE TRENCH.
 - 5 PROVIDE 3X5' PULLBOX.

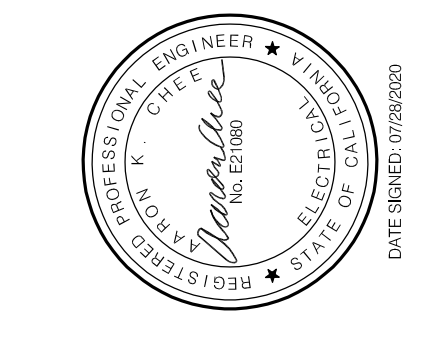
GENERAL NOTE

1. CONTRACTOR SHALL TRENCH ACROSS EXISTING LANDSCAPE AND WALKWAYS. CONTRACTOR SHALL PATCH AND REPAIR TO MATCH EXISTING. PATCHES TO PEDESTRIAN AREAS SHALL COMPLY WITH 11B-302.1 AND 11B-303.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-119394 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 12/17/2020

CONSULTANT:
RES ENG
 Long Beach | Los Angeles
 San Diego | San Jose
 p2sinc.com

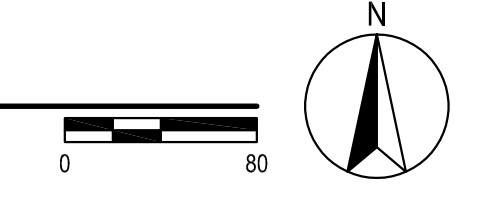
OVERALL SITE PLAN
 DSPS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE
 380 EAST ATEN ROAD, IMPERIAL, CA 92251

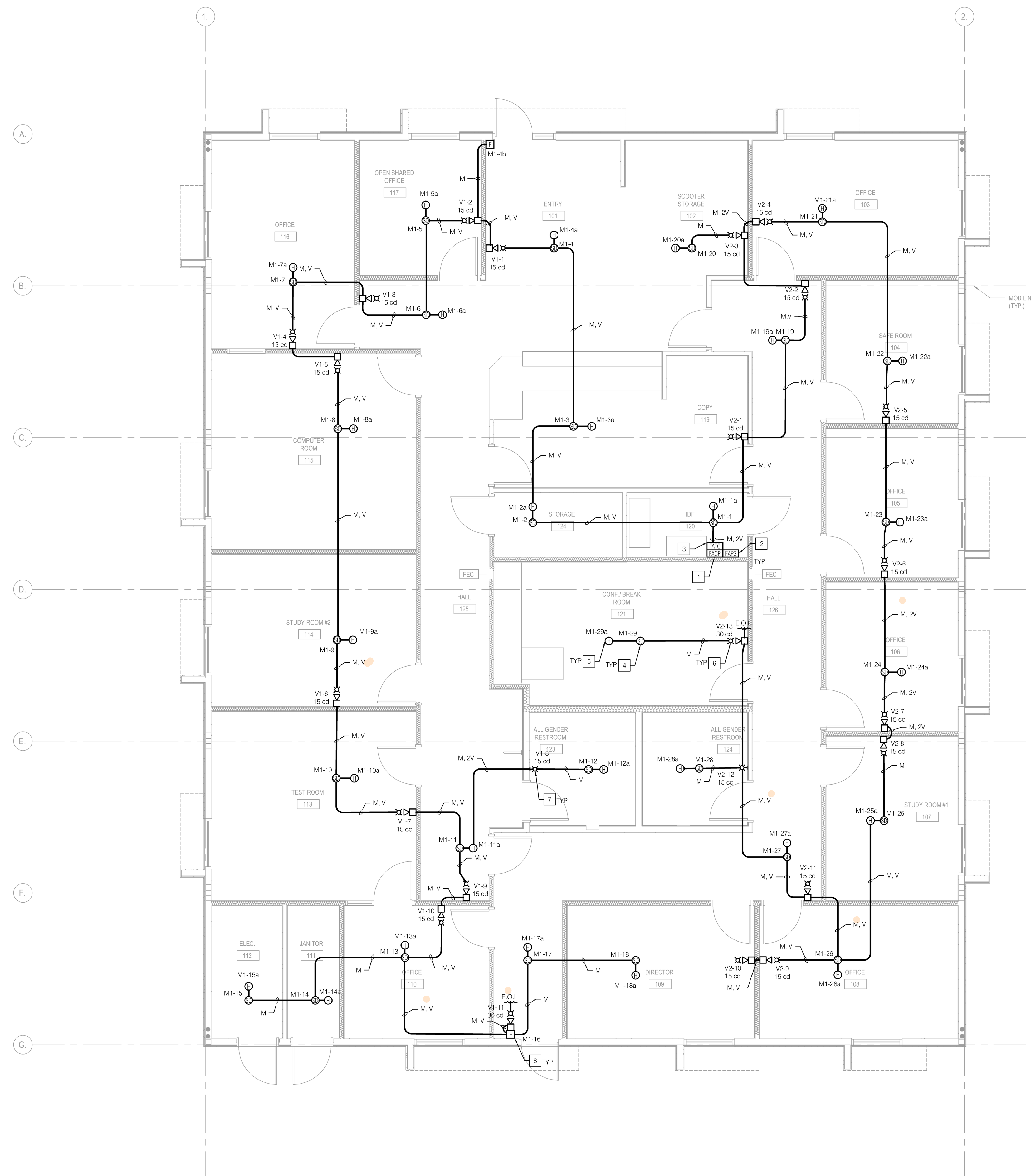


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1 OVERALL SITE PLAN
 1"=80'-0"

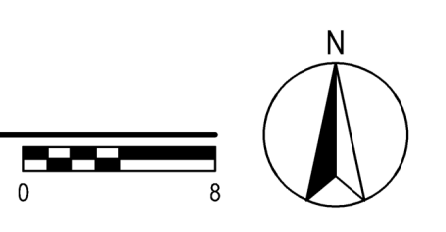




- GENERAL NOTES**
- REFER TO DEVICE SCHEDULE FOR MORE INFORMATION.
 - CONTRACTOR SHALL VERIFY ALL ATTIC/VOID SPACES THROUGHOUT THE BUILDING AND ADJUST THE DESIGN PER FIELD CONDITIONS.
 - NON-METALLIC SURFACE MOUNTED RACEWAY SHALL BE USED FOR INSTALLATION WHERE WALLS AND CEILINGS ARE NOT ACCESSIBLE. PROVIDE WIREMOLD SERIES #5600 OR APPROVED EQUAL.
 - CONTRACTOR SHALL INCLUDE TIME IN BID TO INTEGRATE MODULAR BUILDING TO FIRE ALARM CAMPUS LOOP.

- NOTES**
- PROVIDE FIRE ALARM CONTROL PANEL.
 - PROVIDE FIRE ALARM POWER SUPPLY.
 - PROVIDE FIRE ALARM TERMINAL CABINET.
 - PROVIDE SMOKE DETECTOR AT CEILING AS SHOWN.
 - PROVIDE HEAT DETECTOR IN ATTIC.
 - PROVIDE WALL HORN STROBE.
 - PROVIDE WALL STROBE.
 - PROVIDE MANUAL PULL STATION.

1 MODULAR BUILDING PLAN
 1/4" = 1'-0"



MODULAR BUILDING PLAN
 DSPS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE
 380 EAST ATEEN ROAD, IMPERIAL, CA 92251



sgjn
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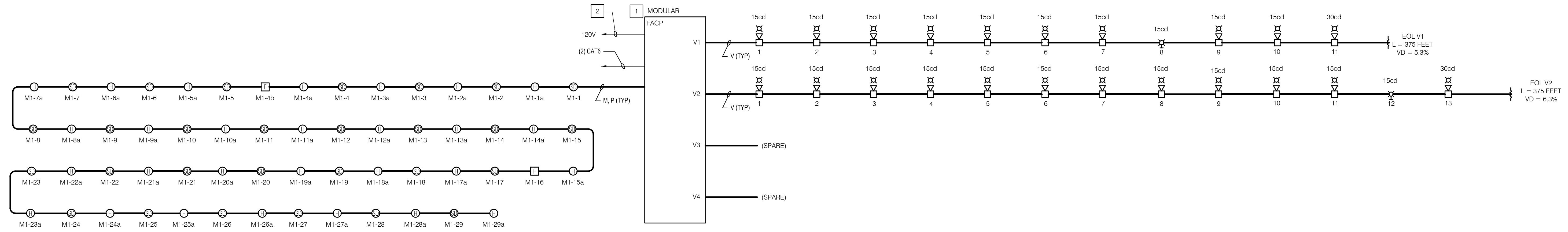
PROJECT NUMBER:	PROJECT STATUS:	PROJECT ISSUED:	REVISION:	DATE:	DESCRIPTION:
19-43100-00	DSA Submittal	07/28/2020			

NOTES

1. PROVIDE FIRE ALARM DOCUMENTATION CABINET NEXT TO FIRE ALARM CONTROL PANEL.
2. REFER TO SITE PLAN FOR PANEL LOCATION AND CIRCUIT DESIGNATION.

GENERAL NOTES

1. REFER TO FIRE ALARM LEGEND ON SHEET FAD.01 FOR ADDITIONAL INFORMATION.
2. PROVIDE DEDICATED 120V DEDICATED CIRCUIT TO FIRE ALARM PANELS. THE CIRCUIT BREAKER SHALL INCLUDE A BREAKER LOCKING DEVICE. SHALL BE PERMANENTLY LABELED "FIRE ALARMECS", AND SHALL INCLUDE A RED IDENTIFYING MARK WHICH DOES NOT OBSCURE THE MANUFACTURER'S MARKINGS.



Battery Capacity Calculation Sheet
 FAPS
 Location:

Quantity	Description	Unit Standby Current (A)	Total Standby Current (A)	Unit Alarm Current (A)	Total Alarm Current (A)
1	CPU	0.085000	0.085000	0.185000	0.185000
1	IDNet Repeater	0.070000	0.070000	0.070000	0.070000
2	Manual Pullstation	0.000700	0.001400	0.000700	0.001400
28	Smoke Detector	0.000700	0.019600	0.000700	0.019600
0	CO/Smoke Detector Combo	0.000170	0.000000	0.000170	0.000000
0	Heat Detector	0.000700	0.019600	0.000700	0.019600
0	Monitor Module	0.000700	0.000000	0.000700	0.000000
0	Control Relay Module	0.000700	0.000000	0.000700	0.000000
4	15cd Strobe - Wall	0.000000	0.000000	0.075000	0.300000
0	15cd Strobe - Ceiling	0.000000	0.000000	0.075000	0.000000
28	15cd Horn Strobe - Wall	0.000000	0.000000	0.075000	1.725000
0	30cd Strobe - Ceiling	0.000000	0.000000	0.125000	0.000000
1	30cd Horn Strobe - Wall	0.000000	0.000000	0.125000	0.125000
0	Sprinkler Bell - Patter	0.000000	0.000000	0.053000	0.000000
	Sub Total		0.196	2.446	

BATTERY CALCULATIONS
 Assumptions:
 A-Battery Backup - Standby (hours) 24
 B-Battery Backup (minutes) 15
 C-Allowable Error (%) 20%
 D-Total Standby Backup (Amp-Hour) 4.694
 E-Total Alarm Backup (Amp-Hour) 0.611
 F-Allowable Error (C x (D + E)) 1.961
 Total Amp-Hour Required (D+E+F) 6.267
 Battery Submitted 20 Amp-Hour

Battery Capacity Calculation Sheet

Location:

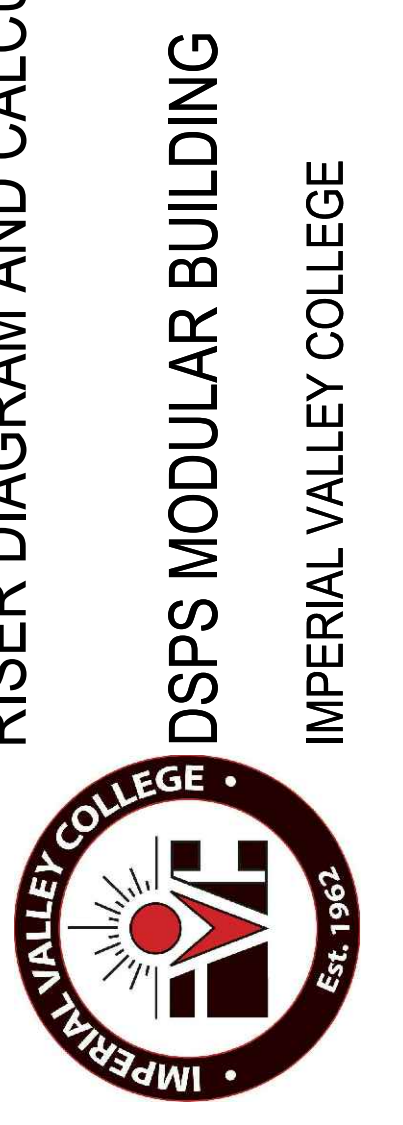
Quantity	Description	Unit Standby Current (A)	Total Standby Current (A)	Unit Alarm Current (A)	Total Alarm Current (A)
1	CPU with Digital Controller Board	0.373000	0.373000	0.470000	0.470000
1	LCD Annunciator	0.065000	0.065000	0.140000	0.140000
1	Modular Network Interface	0.048000	0.048000	0.048000	0.048000
2	Wired/Fiber Optic Media Module	0.055000	0.110000	0.055000	0.110000
1	Building Network Interface Card	0.291000	0.291000	0.291000	0.291000
1	Network Access Dial-in Service Module	0.050000	0.050000	0.050000	0.050000
3	Remote Unit Interface Module	0.085000	0.255000	0.085000	0.255000
3	Dual Port RS-232 with 2120 Interface	0.050000	0.150000	0.050000	0.150000
1	Sale/LINC Internet Interface	0.145000	0.145000	0.145000	0.145000
1	Digital Alarm Communications Transmitter	0.030000	0.030000	0.040000	0.040000
0	Manual Pullstation	0.000700	0.000000	0.000700	0.000000
0	Smoke Detector	0.000700	0.000000	0.000700	0.000000
0	CO/Smoke Detector Combo	0.000170	0.000000	0.000170	0.000000
0	Heat Detector	0.000700	0.000000	0.000700	0.000000
0	Monitor Module	0.000700	0.000000	0.000700	0.000000
0	Control Relay Module	0.000700	0.000000	0.000700	0.000000
0	15cd Strobe - Wall	0.000000	0.000000	0.075000	0.000000
0	15cd Strobe - Ceiling	0.000000	0.000000	0.075000	0.000000
0	15cd Horn Strobe - Wall	0.000000	0.000000	0.075000	0.000000
0	30cd Strobe - Ceiling	0.000000	0.000000	0.125000	0.000000
0	30cd Horn Strobe - Wall	0.000000	0.000000	0.125000	0.000000
0	75cd Strobe - Ceiling	0.000000	0.000000	0.233000	0.000000
0	75cd Horn Strobe - Wall	0.000000	0.000000	0.233000	0.000000
0	Sprinkler Bell - Patter	0.000000	0.000000	0.053000	0.000000
	Sub Total		1.555	1.737	

BATTERY CALCULATIONS
 Assumptions:
 A-Battery Backup - Standby (hours) 24
 B-Battery Backup (minutes) 5
 C-Allowable Error (%) 20%
 D-Total Standby Backup (Amp-Hour) 37.320
 E-Total Alarm Backup (Amp-Hour) 0.145
 F-Allowable Error (C x (D + E)) 7.483
 Total Amp-Hour Required (D+E+F) 44.898
 Battery Submitted 70 Amp-Hour

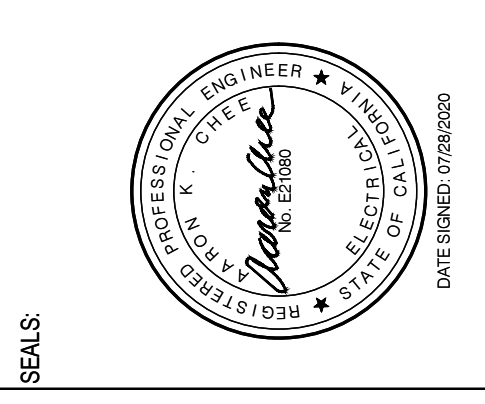
VOLTAGE DROP CIRCUIT SCHEDULE

Panel	Circuit Number	Strobe	H Strobe	Strobe	H Strobe	Strobe	H Strobe	Strobe	H Strobe	Sprinkler Bell	Total Current (A)	Distance from Panel to EOL (Feet)	Percent Voltage Drop (%)	Description
FAPS	V1	2	8		1						0.875	360	5.1%	Audible/Visual Circuit
	V2	5	8								0.875	360	5.8%	Audible/Visual Circuit
	V3										0.000		0.0%	Audible/Visual Circuit
	V4										0.000		0.0%	Audible/Visual Circuit

RISER DIAGRAM AND CALCULATIONS



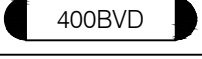
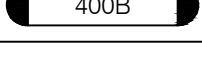
380 EAST ATEN ROAD, IMPERIAL, CA 92251

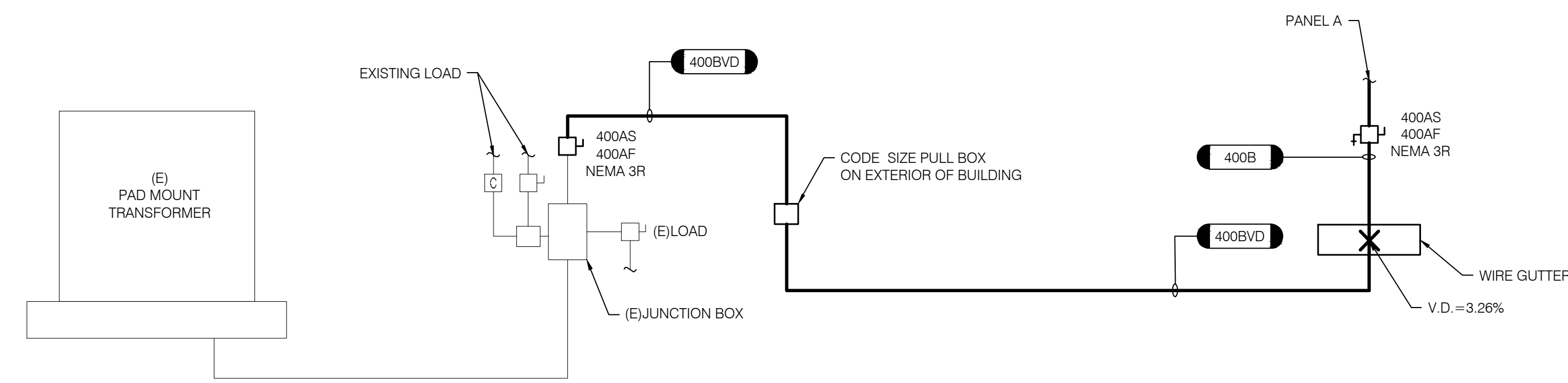


PROJECT NUMBER: 19-43100-00
 PROJECT STATUS: DCA Submittal
 PROJECT ISSUED: 07/28/2020
 REVISION: DATE: DESCRIPTION

GENERAL NOTES

- DISCONNECT AND REMOVE EXISTING 208V, 400A, 2P DISCONNECT. PROVIDE NEW DISCONNECT TO CONNECT NEW MODULAR BUILDING.
- PROVIDE NEW CONDUIT, WIRE, AND SPLICE TO EXISTING FEEDER.

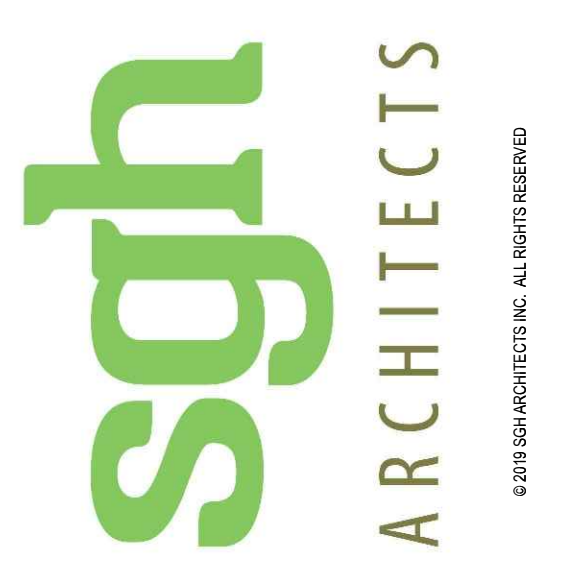
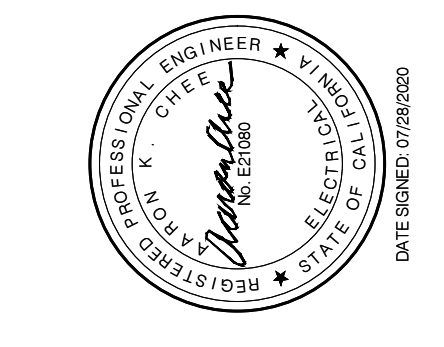
FEEDERS		
SYMBOLS	CONDUIT	SETS OF CONDUCTORS PER CONDUIT
	(2)3" C.	(4) #400 & 1 #1/0 GND EACH
	(2)3" C.	(4) #3/0 & 1 #3 GND EACH



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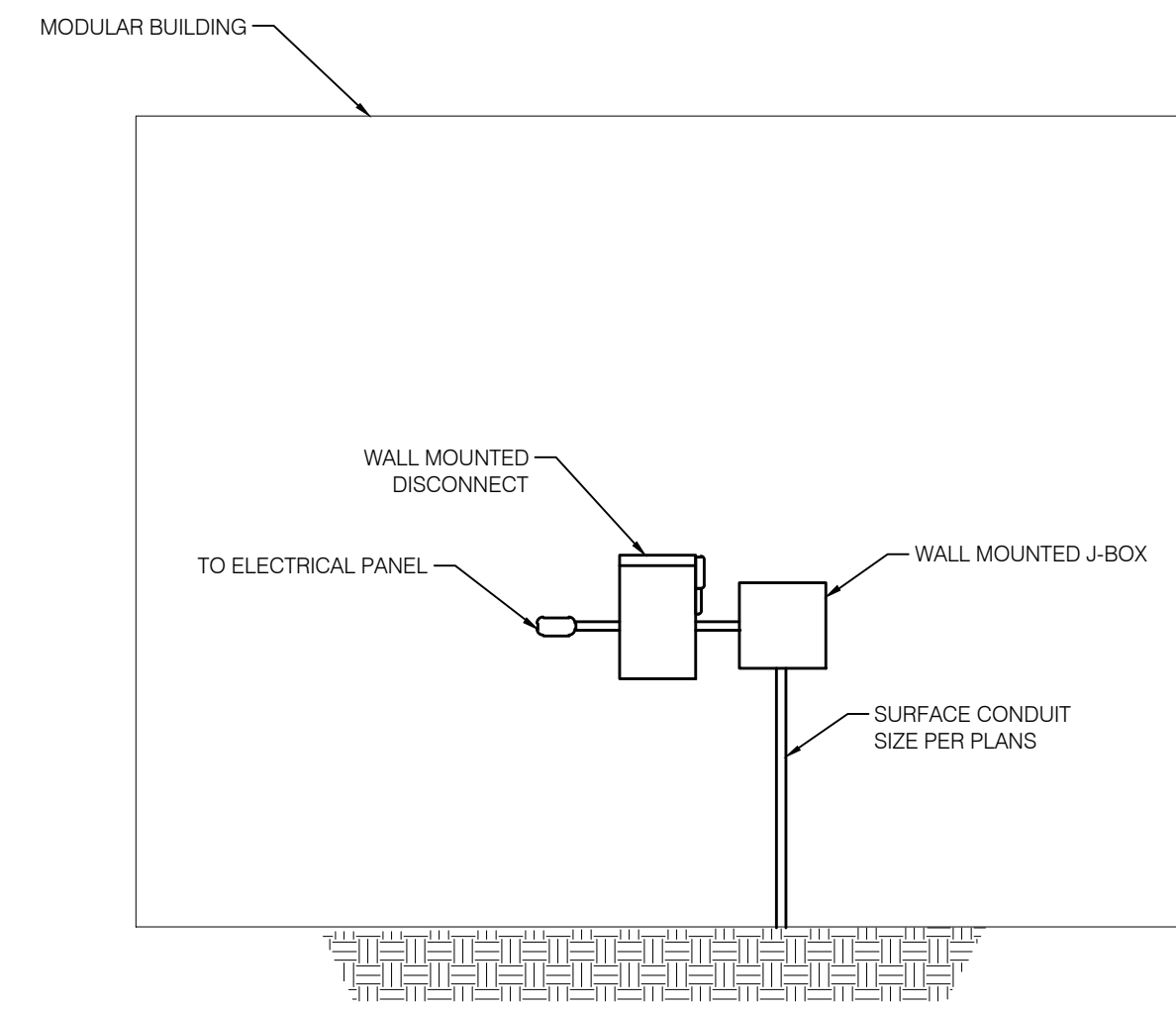
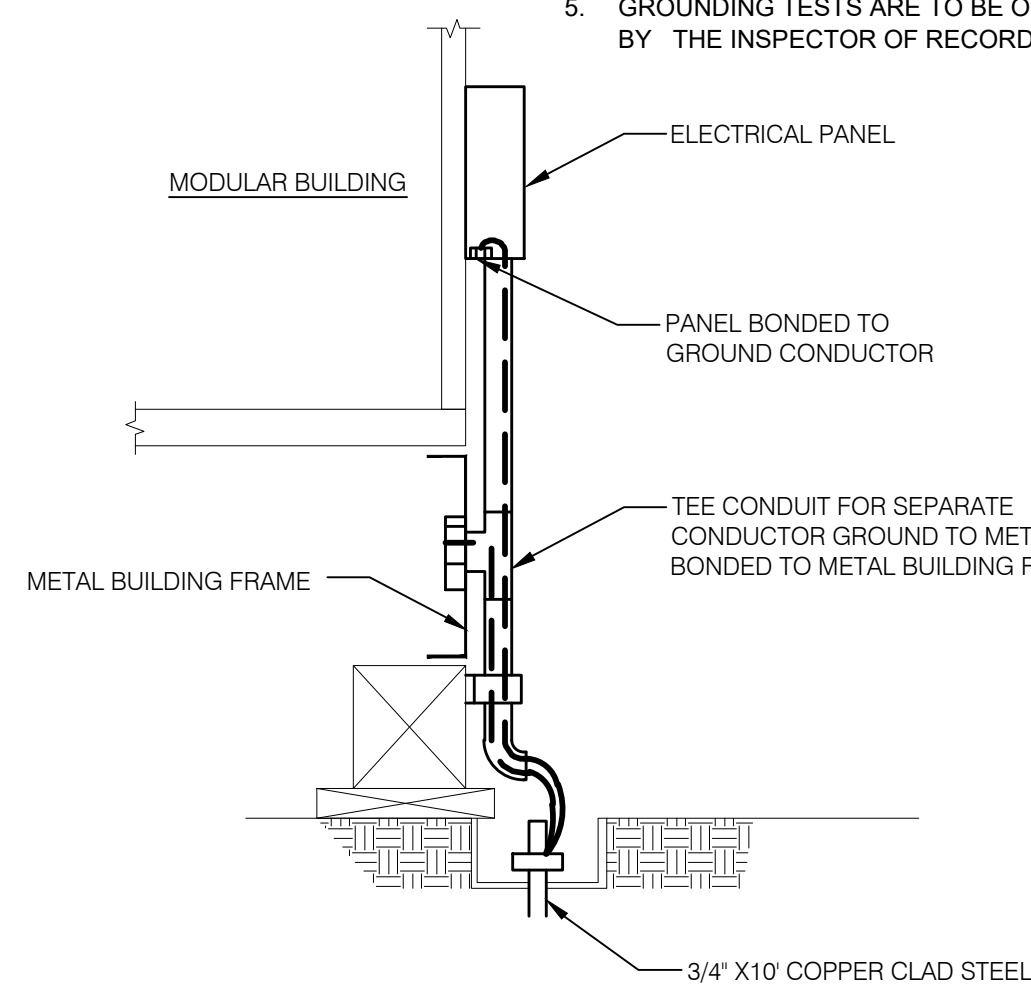
SINGLE LINE DIAGRAM
DSPS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE
 380 EAST ATEN ROAD, IMPERIAL, CA 92251



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 PROJECT ISSUE: 07/28/2020
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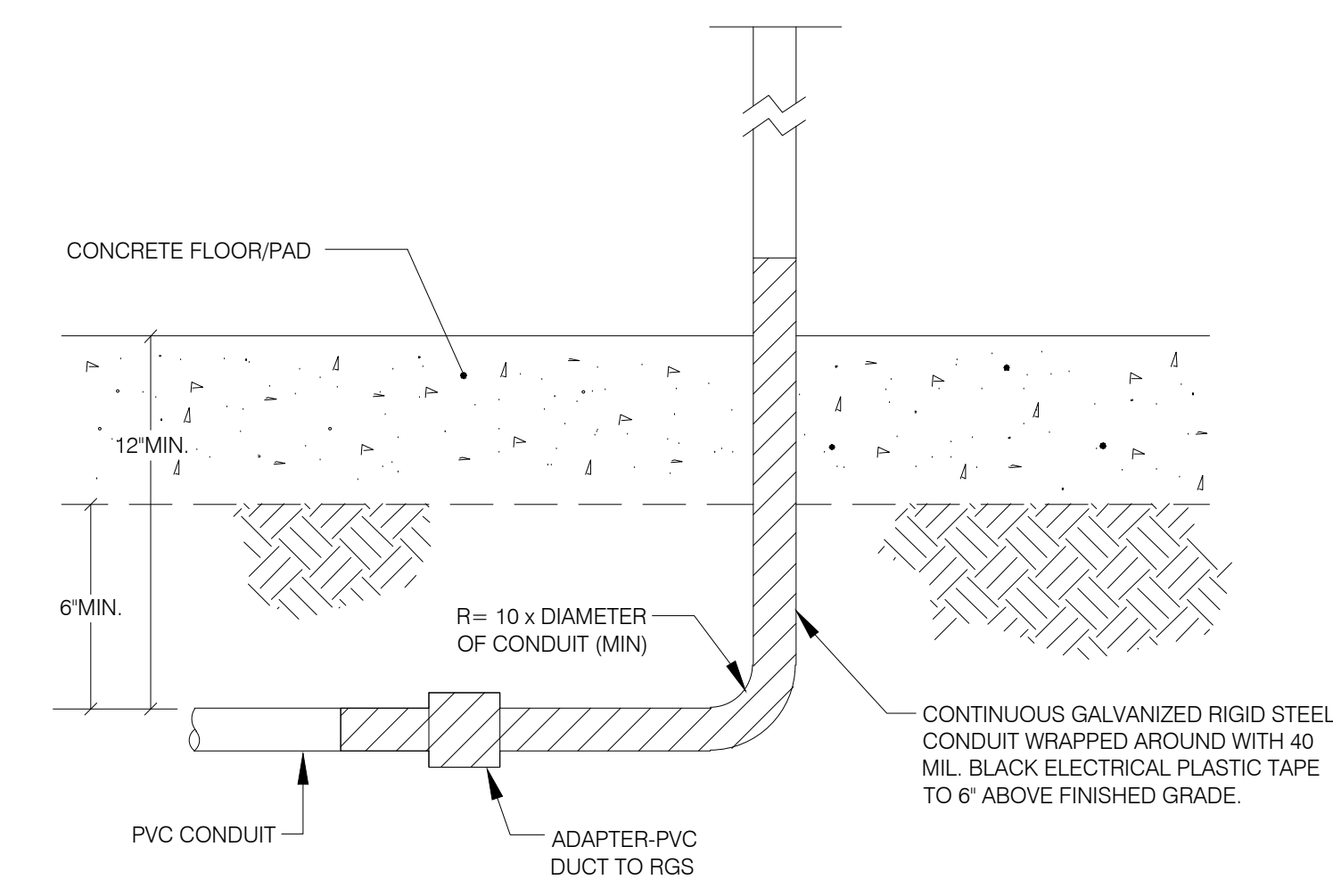
GENERAL NOTES

- BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL TO METAL BUILDING FRAME (NEC-250-81). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (NEC 250-81 & 250-83)
- ALL MODULES OF FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING)
- CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS (NEC 250-84) AS REQUIRED.
- ALL METAL BUILDING COMPONENTS MUST BE ELECTRICALLY BONDED TOGETHER, AND EACH BUILDING MUST BE INDEPENDENTLY GROUND. MULTIPLE BUILDINGS ARE NOT TO BE GROUND THROUGH THE ELECTRICAL SYSTEM. ALL GROUNDING SYSTEMS ARE TO BE TESTED WITH A MEGGER UNIT, OR IN AN OTHERWISE ACCEPTABLE MANNER. REFER TO THE CEC, SECTIONS 250-81 AND 250-83, FOR SPECIFIC GROUNDING REQUIREMENTS.
- GROUNDING TESTS ARE TO BE OBSERVED AND REPORTED BY THE INSPECTOR OF RECORD.



GENERAL NOTES

- CONTRACTOR SHALL COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.



6 GROUNDING OF MODULAR BUILDINGS
NO SCALE

4 MODULAR BUILDING
NO SCALE

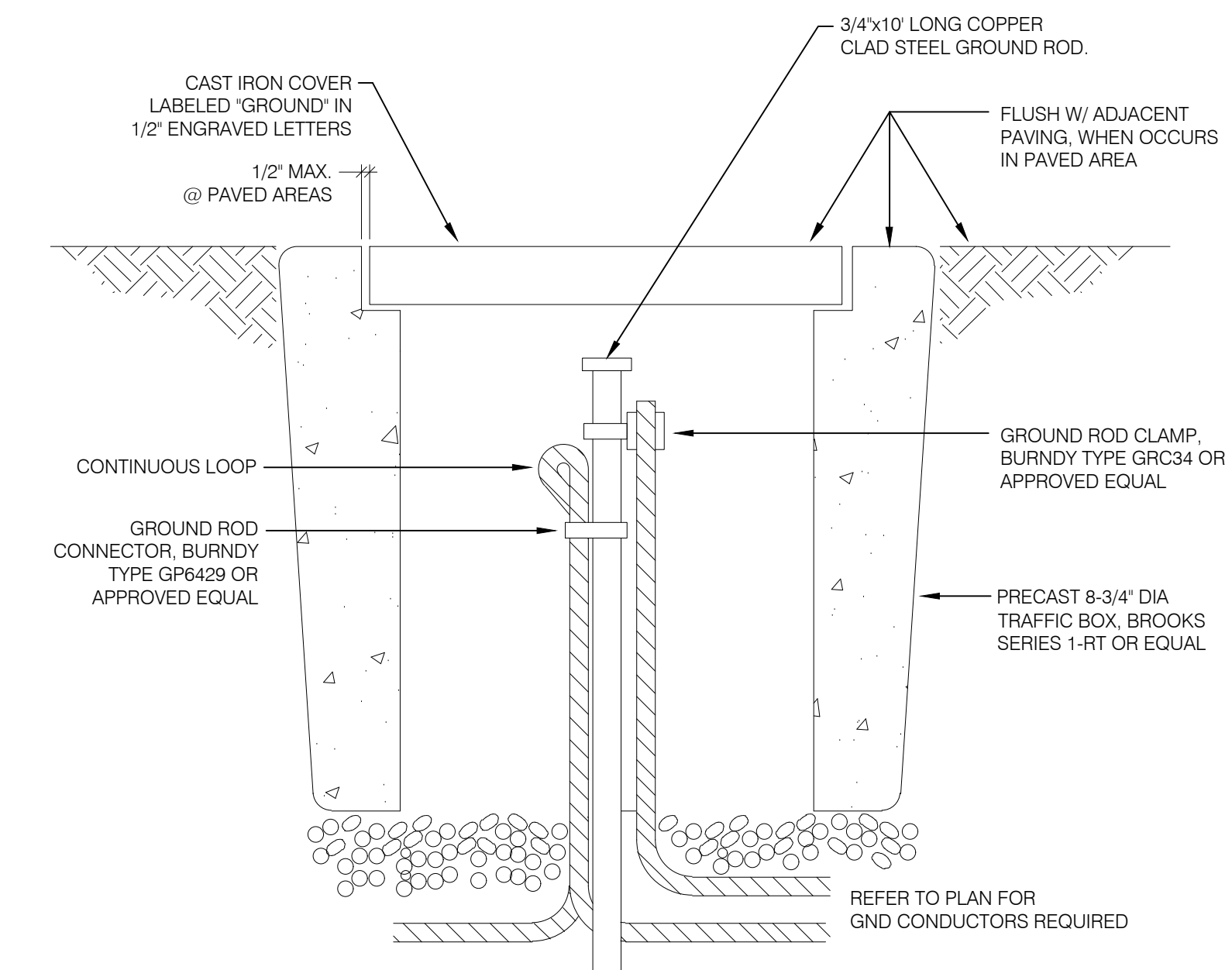
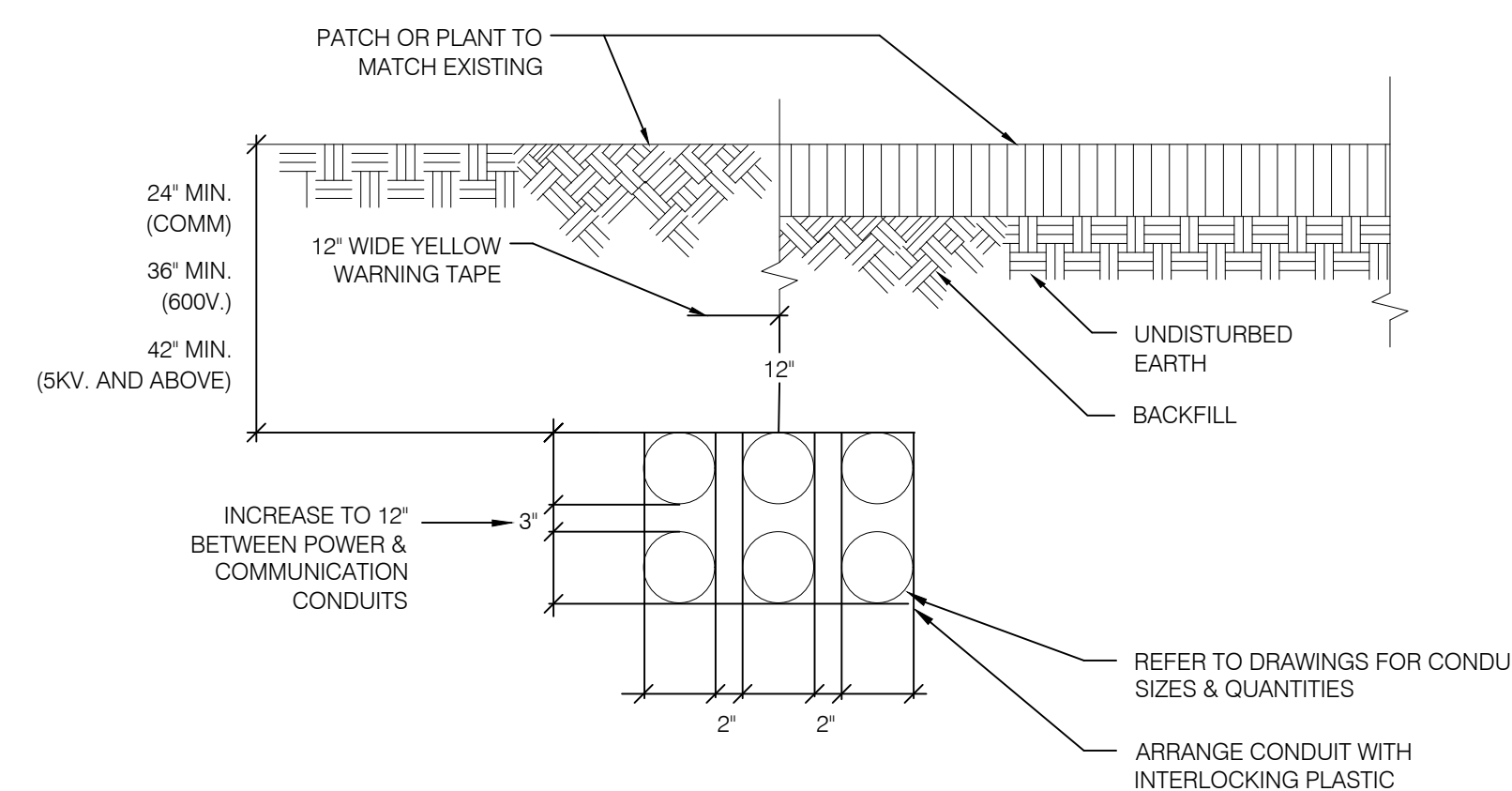
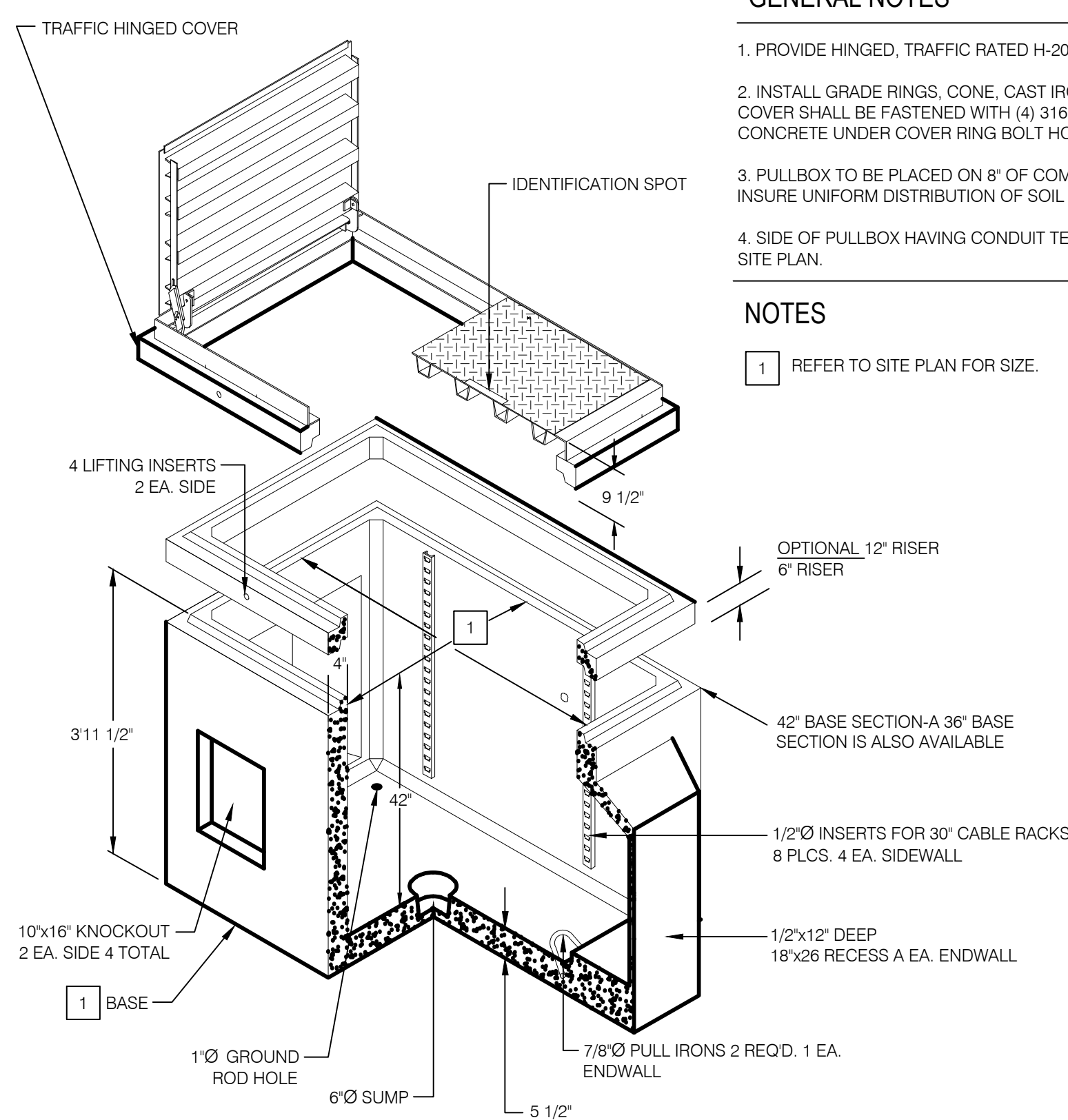
2 TYPICAL CONDUIT RISER
NO SCALE

GENERAL NOTES

- PROVIDE HINGED, TRAFFIC RATED H-20 LOADING COVER.
- INSTALL GRADE RINGS, CONE, CAST IRON RING AND CAST IRON COVER. COVER SHALL BE FASTENED WITH (4) 3/16 STAINLESS STEEL BOLTS. NOTCH CONCRETE UNDER COVER RING BOLT HOLE FOR WEEPING.
- PULLBOX TO BE PLACED ON 8" OF COMPACTED LEVEL ROCK (3/4" SIZE) TO INSURE UNIFORM DISTRIBUTION OF SOIL PRESSURE ON FLOOR.
- SIDE OF PULLBOX HAVING CONDUIT TERMINATION SHALL BE AS SHOWN ON SITE PLAN.

NOTES

- REFER TO SITE PLAN FOR SIZE.



GENERAL NOTES

- ALL GROUNDING SHALL BE IN ACCORDANCE WITH CALIFORNIA ELECTRICAL CODE, CEC 2019 ARTICLE 250.

5 TYPICAL UNDERGROUND PULL BOX
NO SCALE

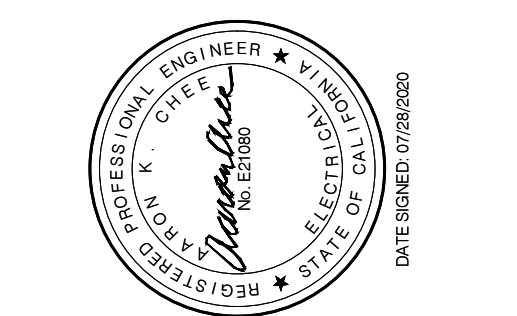
3 TYPICAL DUCT BANK
NO SCALE

1 GROUND ROD AND WELL
NO SCALE

IDENTIFICATION STAMP
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APP: 04-119394 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/17/2020

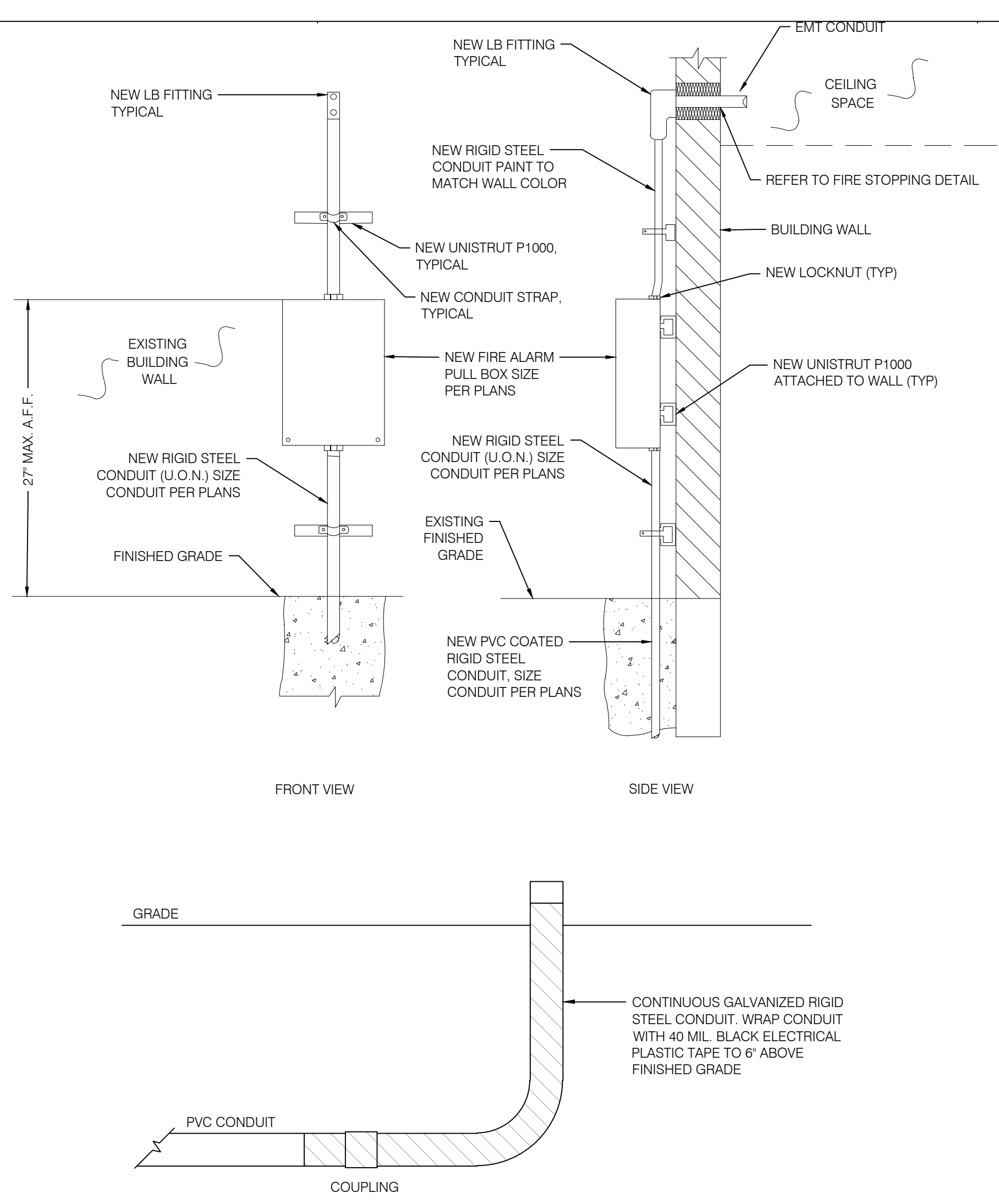
CONSULTANT:
RES ENG
Long Beach | Los Angeles
San Diego | San Jose
p2@res.com

DETAILS
DSPS MODULAR BUILDING
IMPERIAL VALLEY COLLEGE
380 EAST ATEN ROAD, IMPERIAL, CA 92251

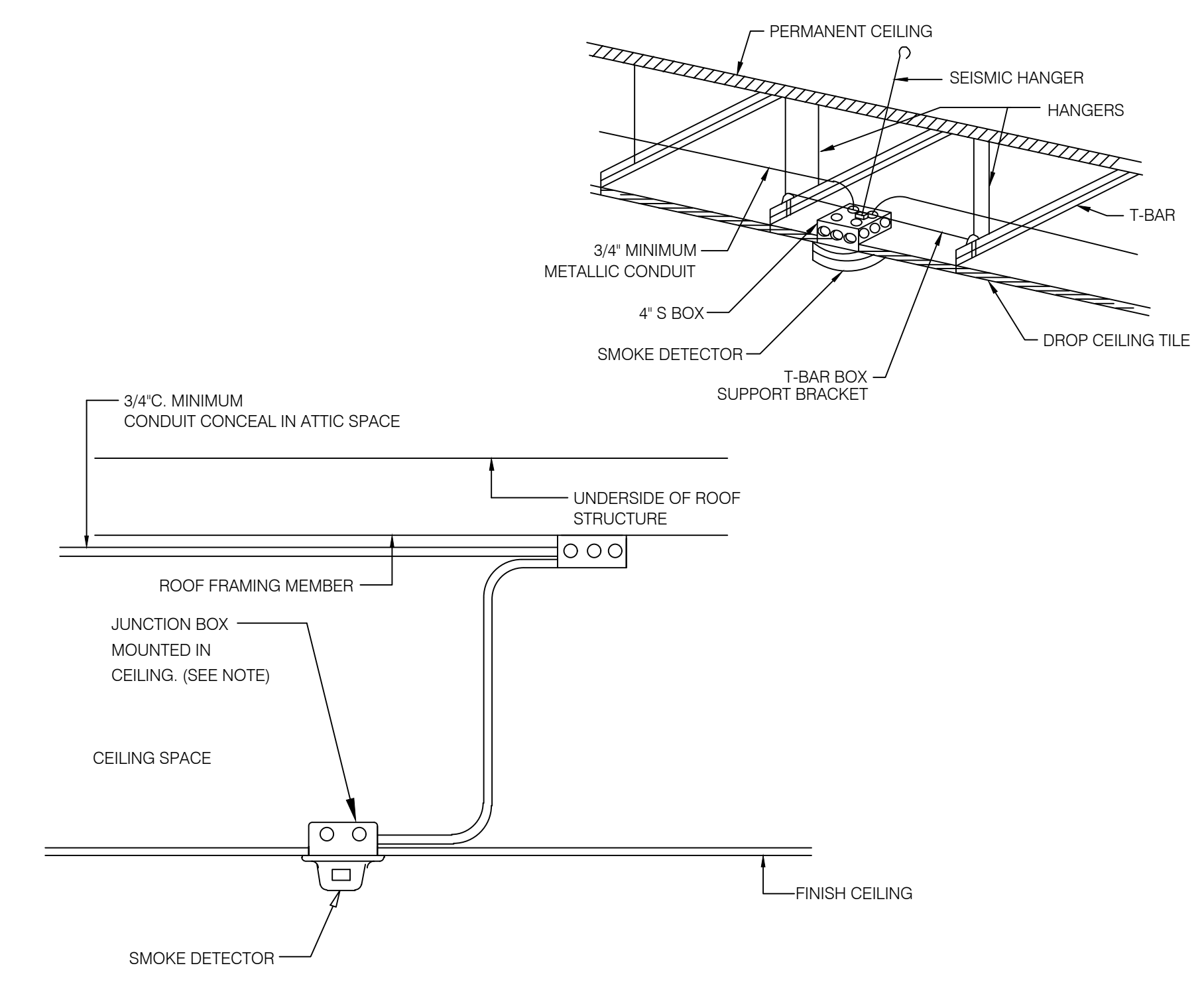


sgn ARCHITECTS
DATE: 07/28/2020

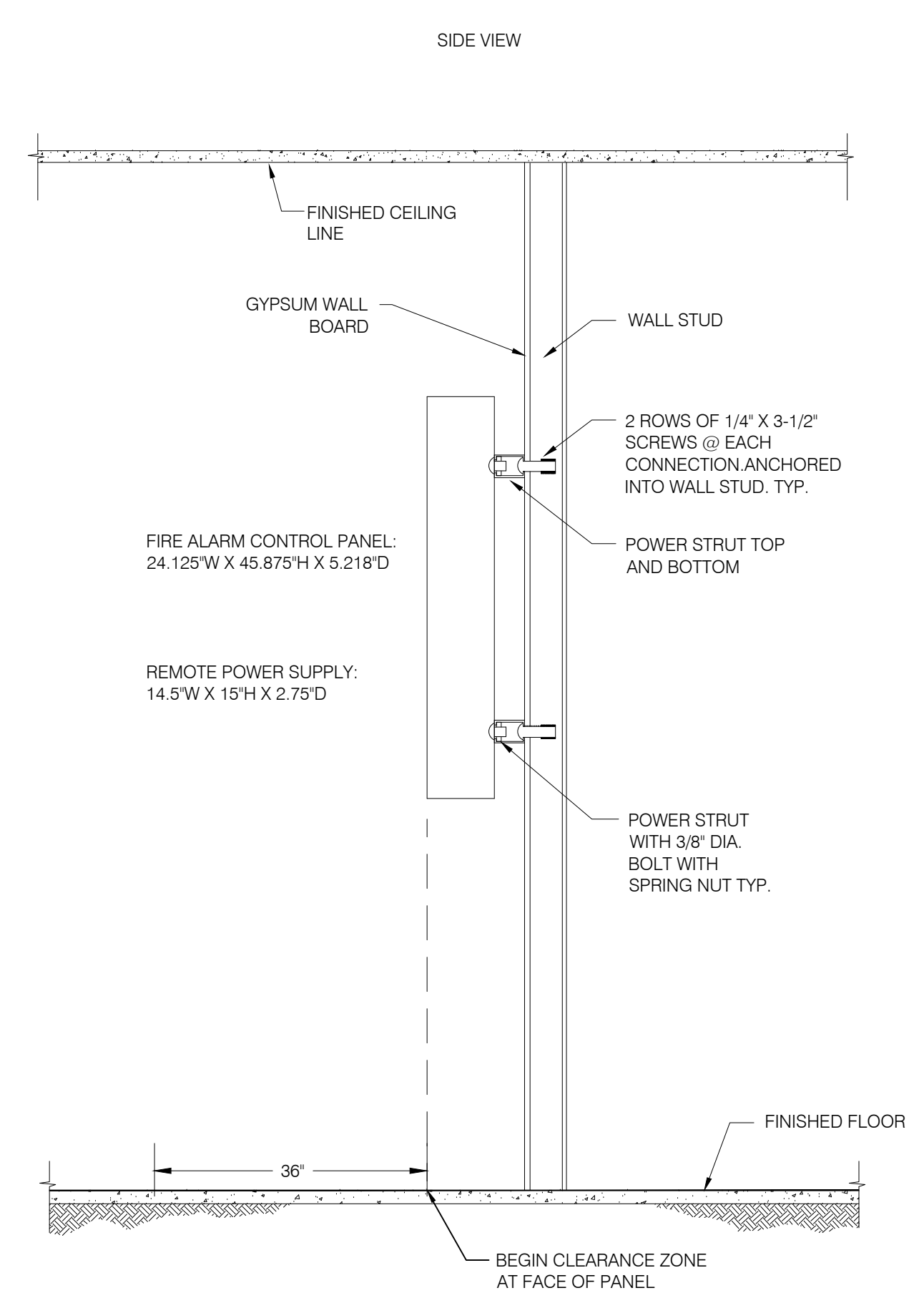
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PROJECT STATUS: DSA Submittal
PROJECT ISSUE: 07/28/2020
REVISION: DATE: DESCRIPTION



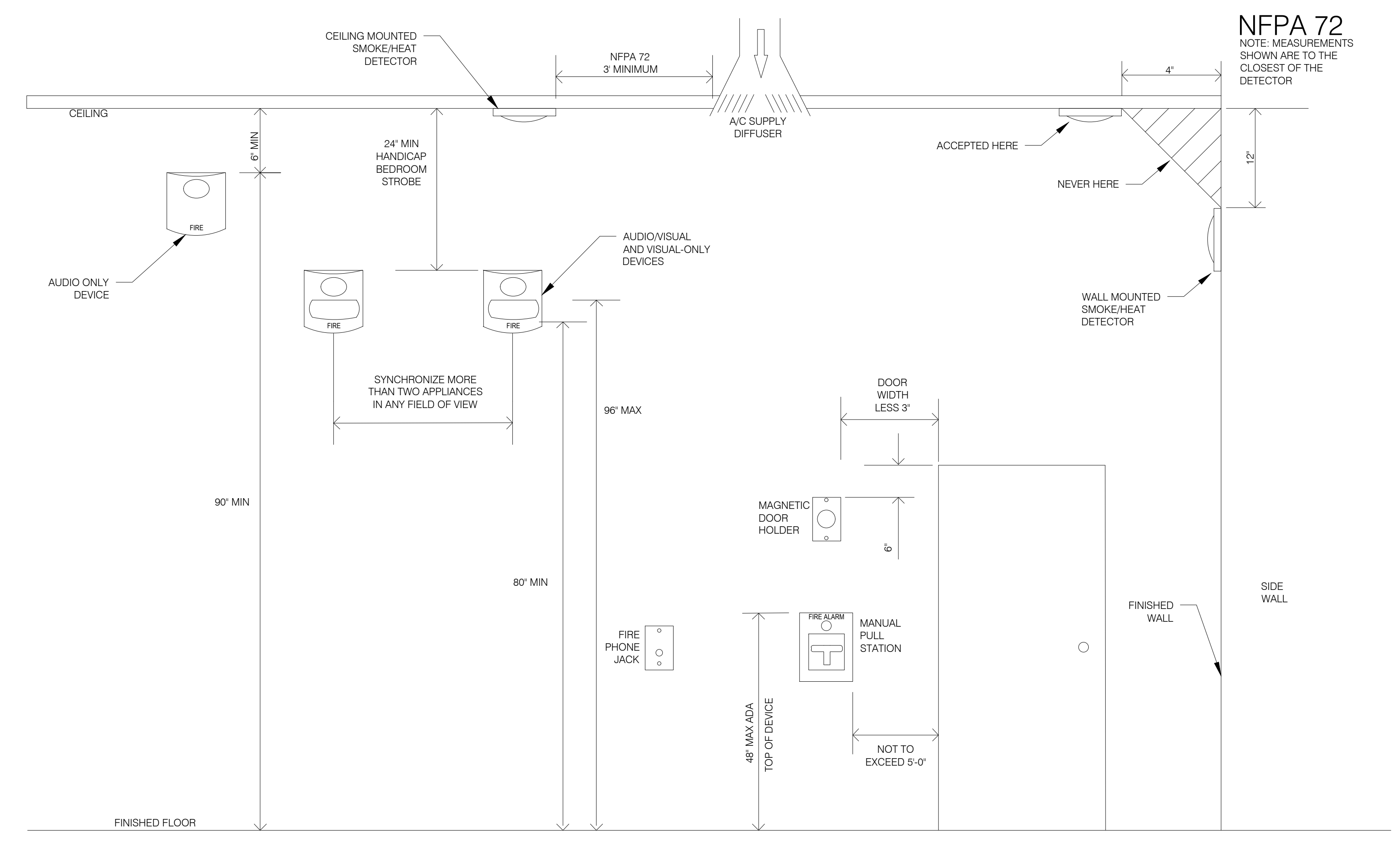
4 PULLBOX AT BUILDING EXTERIOR
 NO SCALE



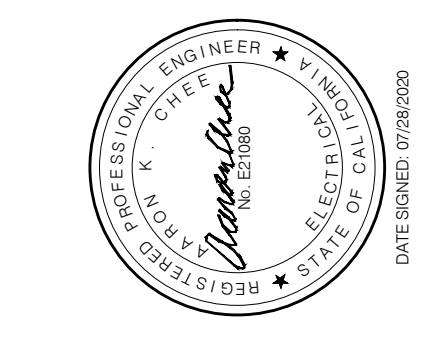
2 DEVICE INSTALLATION AT T-BAR
 NO SCALE



3 FIRE ALARM PANEL MOUNTING
 NO SCALE



1 DEVICE INSTALLATION NFPA 72
 NO SCALE

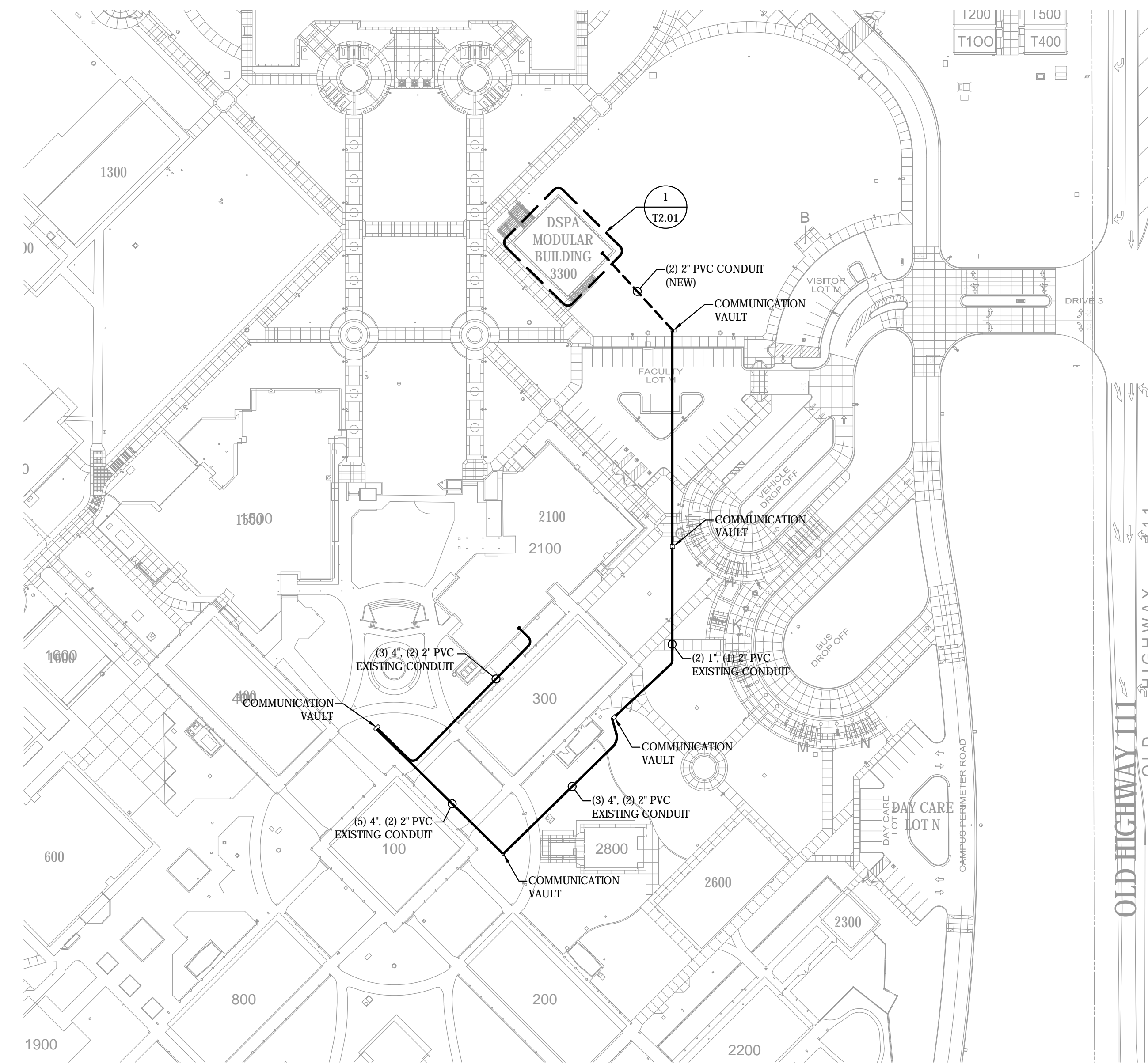


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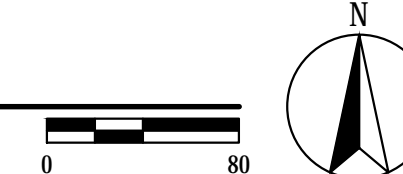
- 1. SEE DETAIL 6 / T6.03 FOR REFERENCE.

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1 OVERALL SITE PLAN
 1" = 80'-0"



TELECOM SITE PLAN

DSPS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE



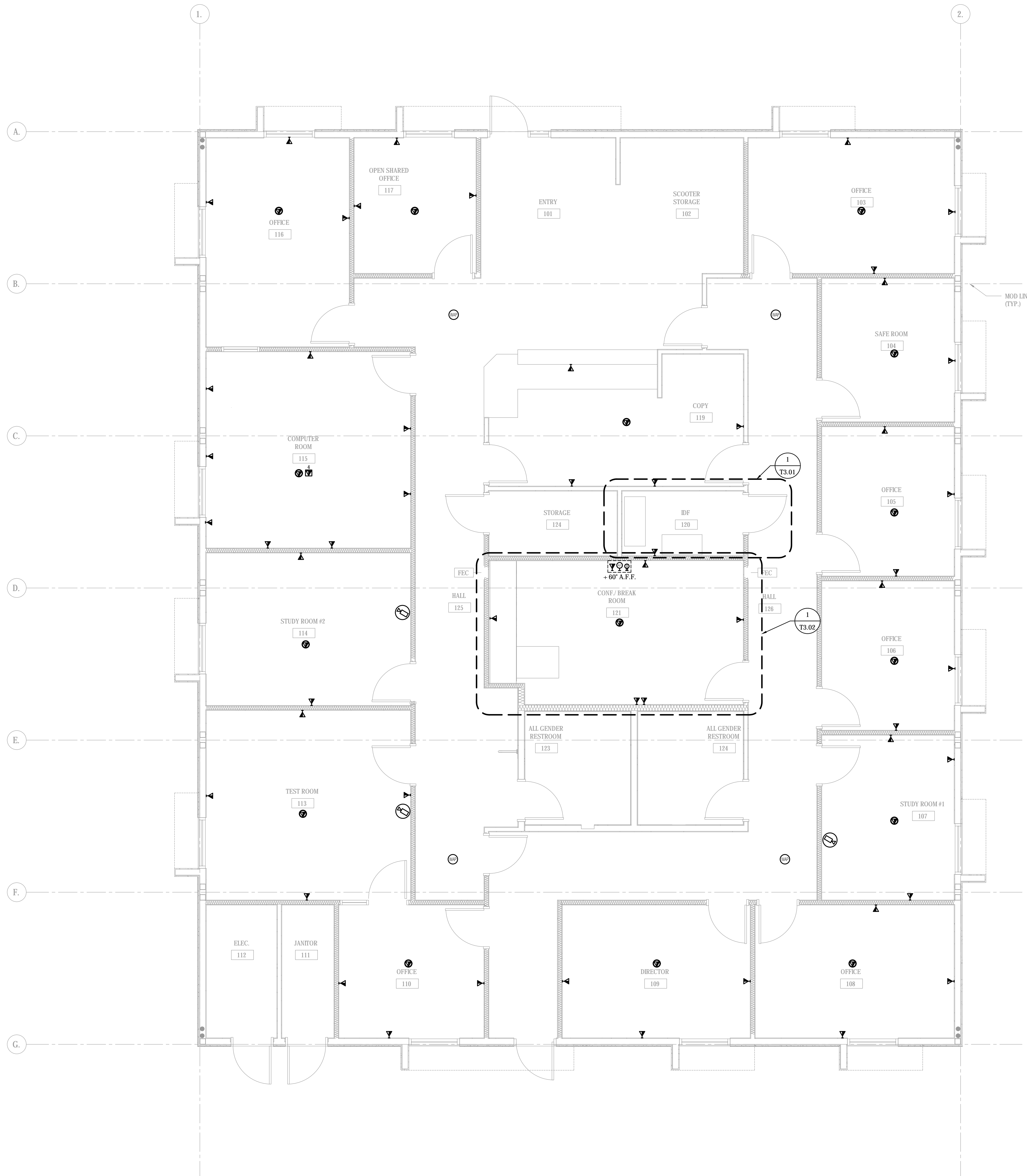
380 EAST ATEN ROAD, IMPERIAL, CA 92251



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PROJECT NUMBER: 19-43100-00
 PROJECT STATUS: CD 100%
 PROJECT ISSUED: 12/14/2020
 REVISION: DATE DESCRIPTION:
 △

T1.01



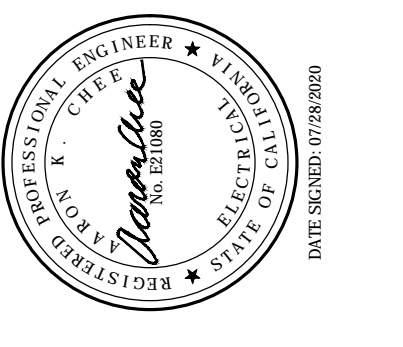
NOTES

1. ALL CABLING TO BE SUPPORTED BY J-HOOKS T ACCESSIBLE CEILING.
2. CONTRACTOR TO PROVIDE AND INSTALL CONDUIT SLEEVES FOR CABLE PATH FROM OUTLET TO IDF.
3. STUDY ROOM AND TEST ROOM REQUIRE A 'LIVE' CAMERA FOR REMOTE OBSERVATION.
4. IDF RACK WITHING IDF ROOM - WALL MOUNTED RACK (56"x19") WITH PATCH PANEL, (2) SWITCHES AND PROVISIONS FOR A COLLEGE PROVIDED UPS.
5. ALL FIBER TO BE USED SINGLE MODE.

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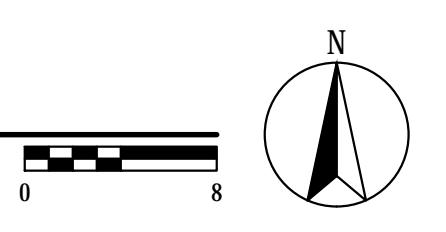
TELECOM FLOOR PLAN
 DSFS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE
 380 EAST ATEN ROAD, IMPERIAL, CA 92251



SEALS:

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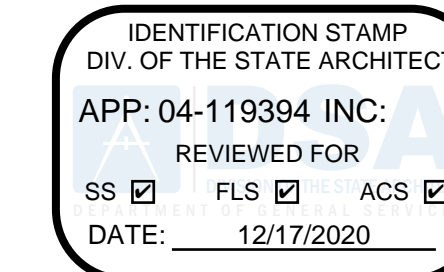
1 MODULAR BUILDING PLAN
 1/4" = 1'-0"



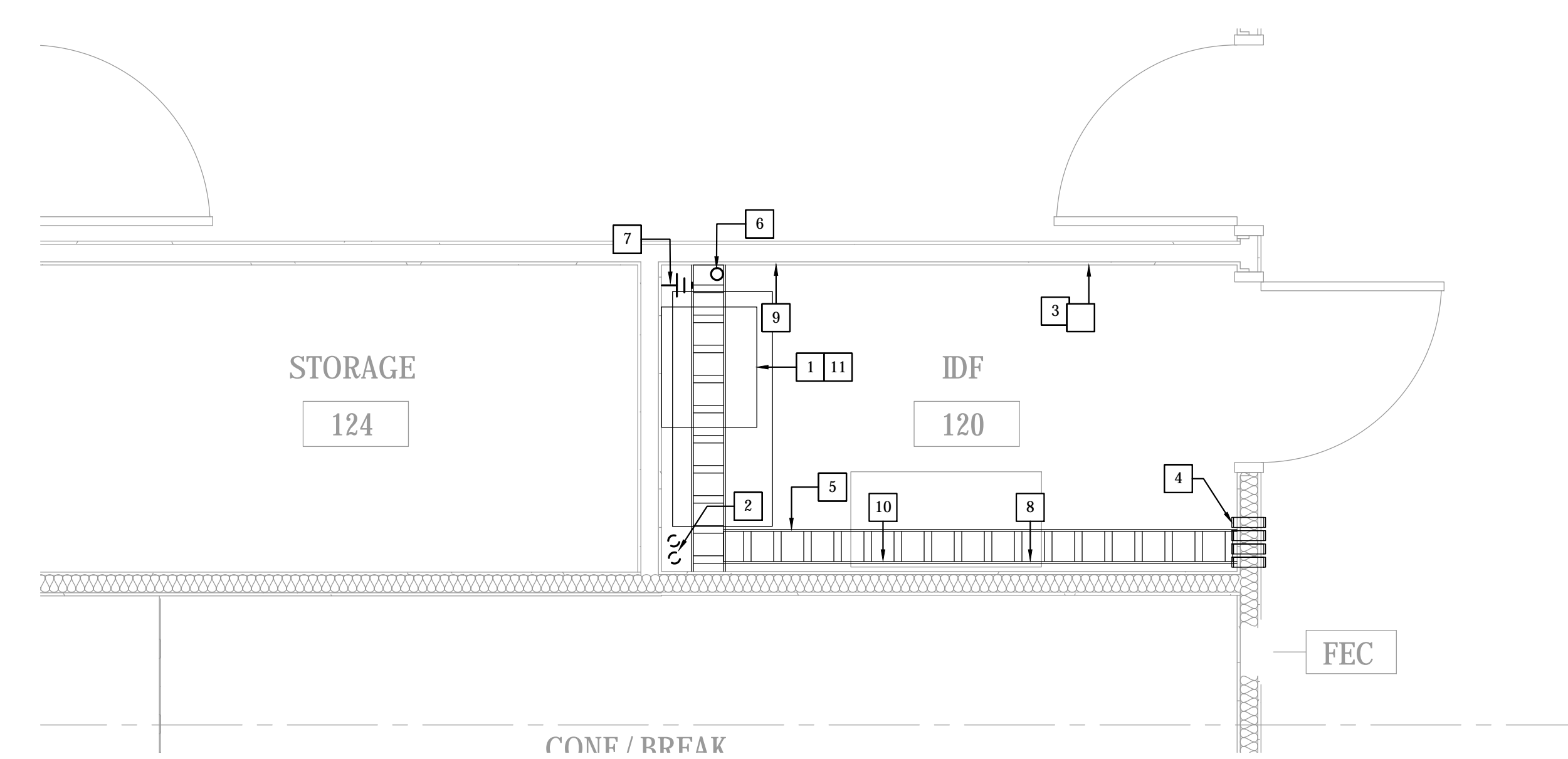
PROJECT NUMBER:	19-43100-00
PROJECT STATUS:	CD 100%
PROJECT ISSUED:	12/14/2020
REVISION:	DATE DESCRIPTION
	△

NOTES

- 1 WALL MOUNTED RACK (36" X 19") WITH PATCH PANEL, 2 SWITCHES AND PROVISIONS FOR COLLECT PROVIDED UPS. SEE SHEET T3.01 DETAIL 6.
- 2 (2) 2" OSP CONDUITS TO PULLBOX OUTSIDE STRUCTURE OPTICAL FIBER CABLE TERMINATES IN LAN CONTROL RM.
- 3 3/4" FIRE RETARDANT PLYWOOD THROUGHOUT ROOM
- 4 (4) 4" CONDUIT SLEEVES
- 5 CABLE TRAY
- 6 (1) 2" RISER CONDUIT SLEEVES
- 7 TELECOM GROUNDING BUSBAR
- 8 SPACE RESERVED FOR AV EQUIPMENT
- 9 SPACE RESERVED FOR 110 BLOCK WALL FIELD
- 10 SPACE RESERVED FOR SECURITY EQUIPMENT
- 11 UPS CABINET



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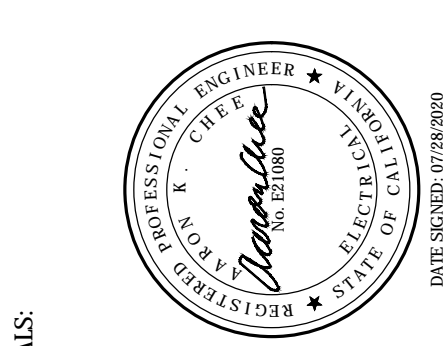
1 ENLARGED ROOM PLAN - IDF 120
 1/2" = 1'-0"

ENLARGED ROOM PLAN - IDF 120

DSFS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE



380 EAST ATEN ROAD, IMPERIAL, CA 92251



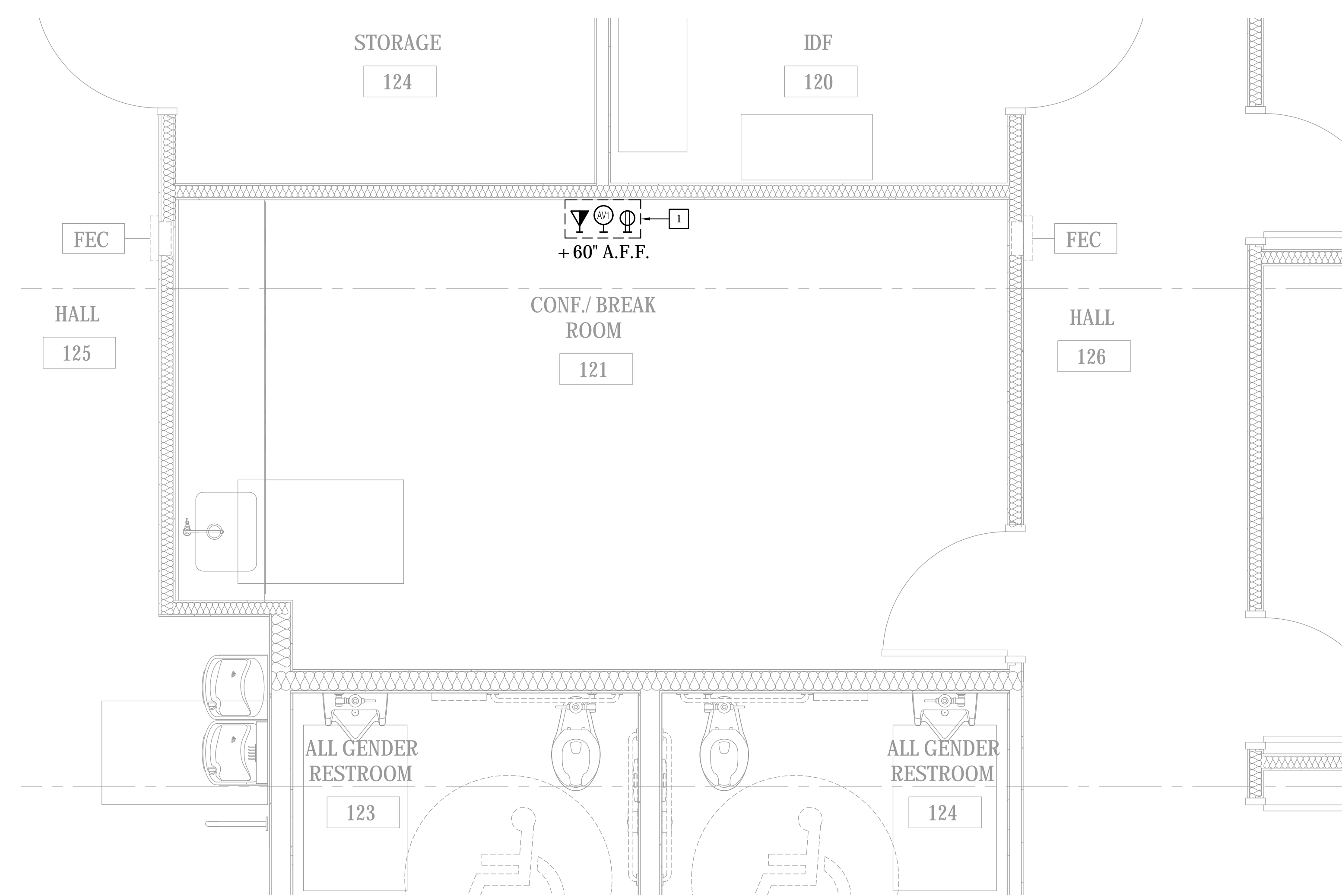
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PROJECT NUMBER: 19-43100-00
 PROJECT STATUS: CD 100%
 PROJECT ISSUED: 12/14/2020
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NOTES
1 SEE DETAIL 5 / T6.01 FOR MOUNTING REFERENCE.

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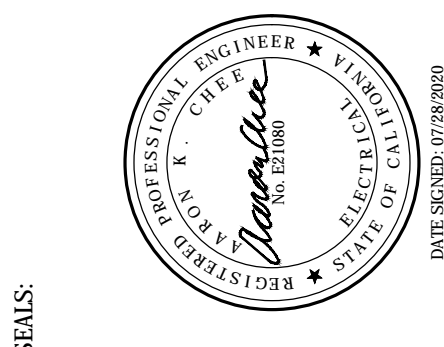


ENLARGED AV ROOM PLAN - CONFERENCE / BREAK ROOM 121

DSFS MODULAR BUILDING
IMPERIAL VALLEY COLLEGE



380 EAST ATEN ROAD, IMPERIAL, CA 92251



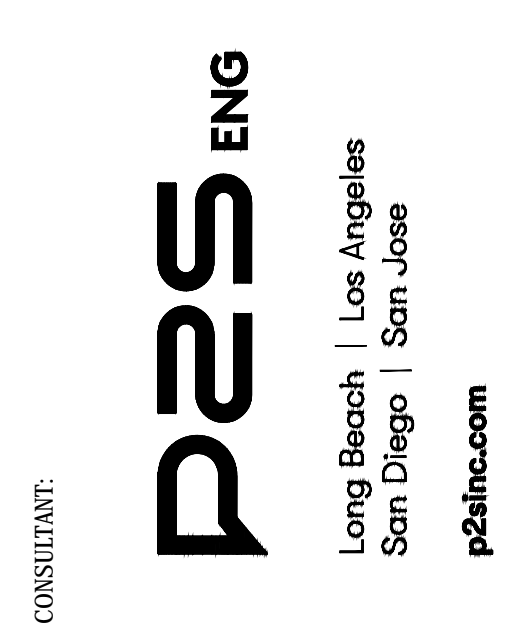
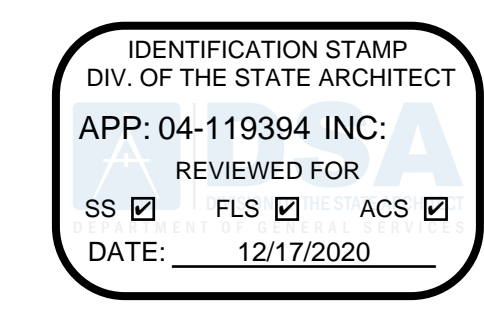
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1 ENLARGED AV ROOM PLAN - CONFERENCE / BREAK ROOM 121
1/2" = 1'-0"

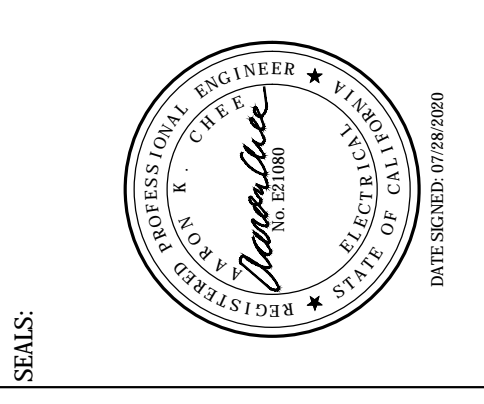
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PROJECT STATUS: CD 100%
PROJECT ISSUED: 12/14/2020
REVISION: DATE DESCRIPTION
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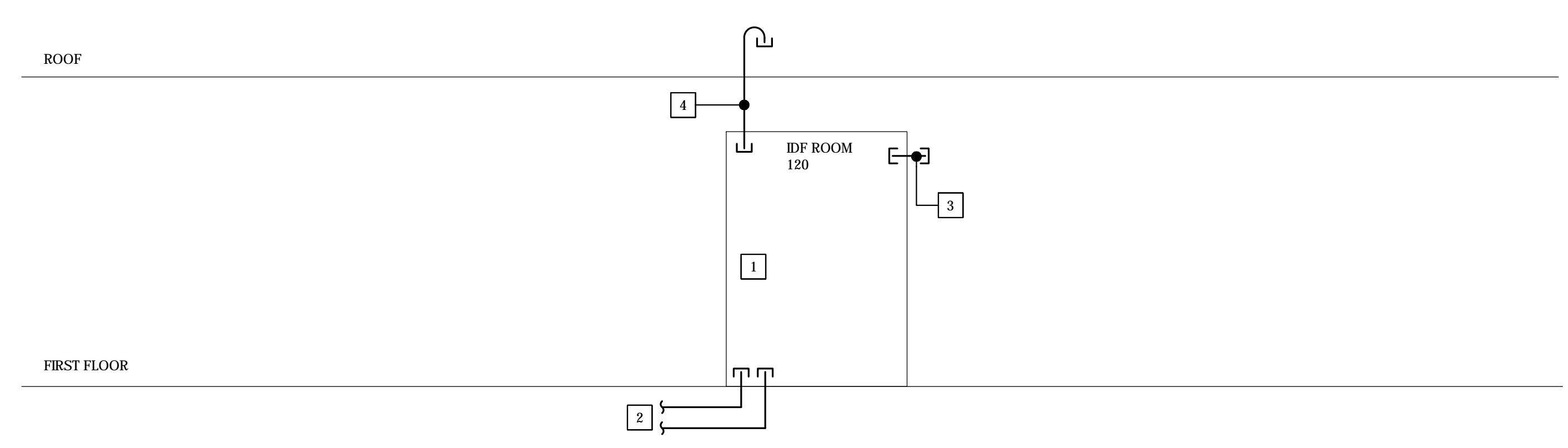
- 1 WALL MOUNTED RACK (36" X 19") WITH PATCH PANEL, 2 SWITCHES AND PROVISIONS FOR COLLEGE PROVIDED UPS.
- 2 2" OSP CONDUITS TO PULLBOX OUTSIDE STRUCTURE OPTICAL FIBER CABLE TERMINATES IN LAN CONTROL RM.
- 3 4" CONDUIT SLEEVES
- 4 1) 2" RISER CONDUIT WITH WEATHERHEAD FOR FUTURE WIRELESS TECHNOLOGIES.
- 5 24 STRAND SINGLE MODE FIBER BACKBONE.



TELECOM SINGLE LINE DIAGRAM
 DSFS MODULAR BUILDING
 IMPERIAL VALLEY COLLEGE
 380 EAST ATEN ROAD, IMPERIAL, CA 92251



PROJECT NUMBER:	19-43100-00
PROJECT STATUS:	CD 100%
PROJECT START DATE:	12/14/2020
REVISION:	DATE: DESCRIPTION
	△



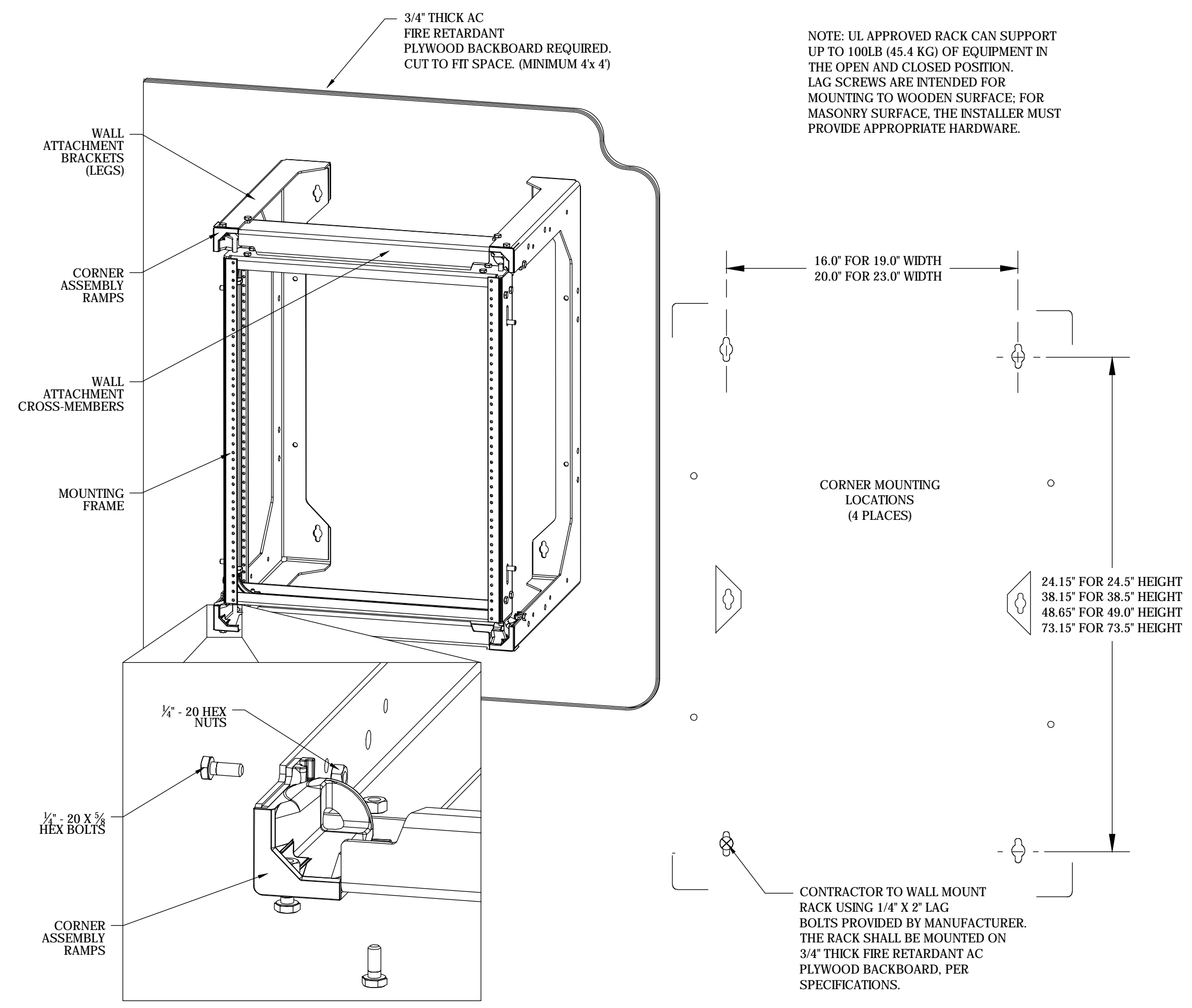
2 SINGLE LINE DIAGRAM - BACKBONE CABLING
 NO SCALE



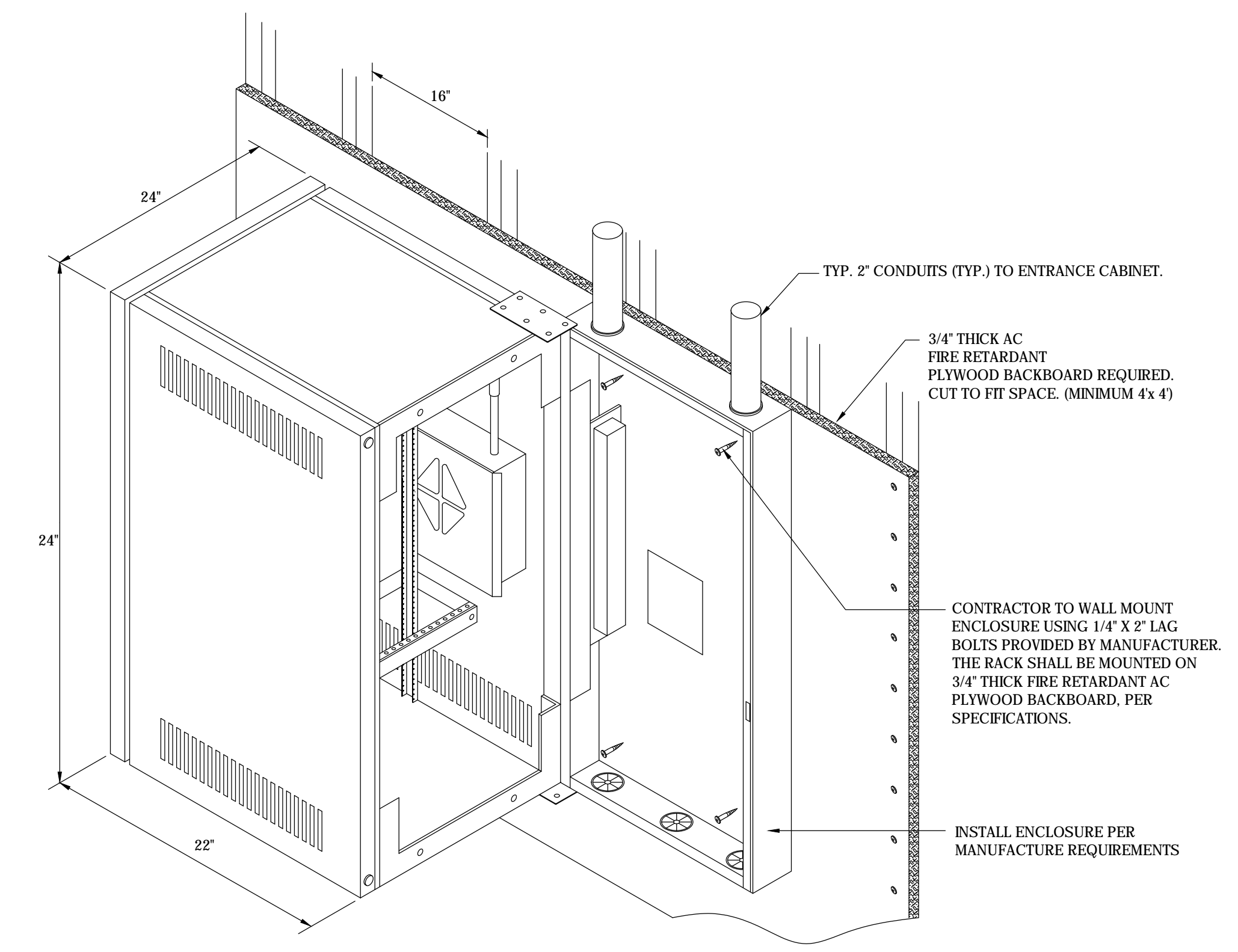
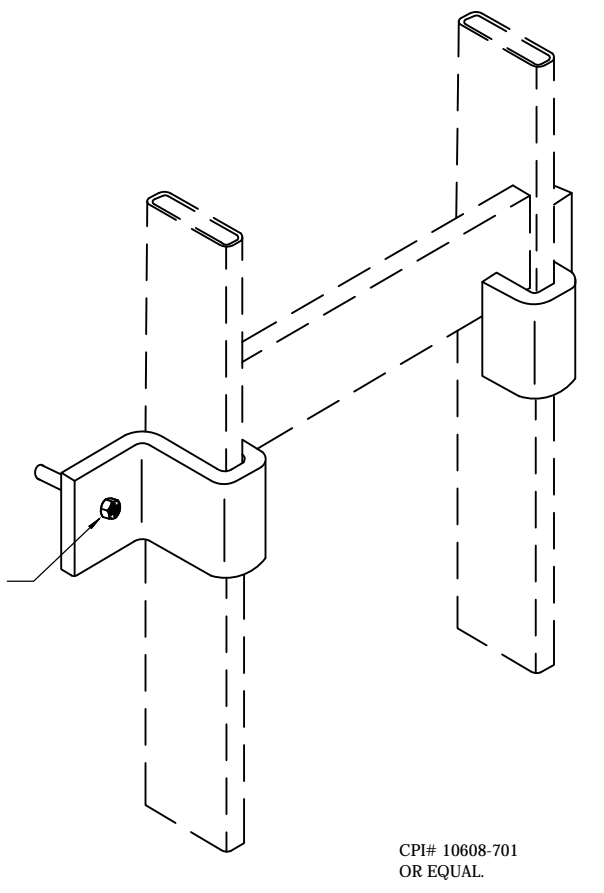
1 SINGLE LINE DIAGRAM - OSP BACKBONE CABLING
 NO SCALE

GENERAL NOTES

- CONTRACTOR TO PROVIDE (2) 2" CONDUITS STUBBED 8" ABOVE CABINET, DEBURR AND BUSH.



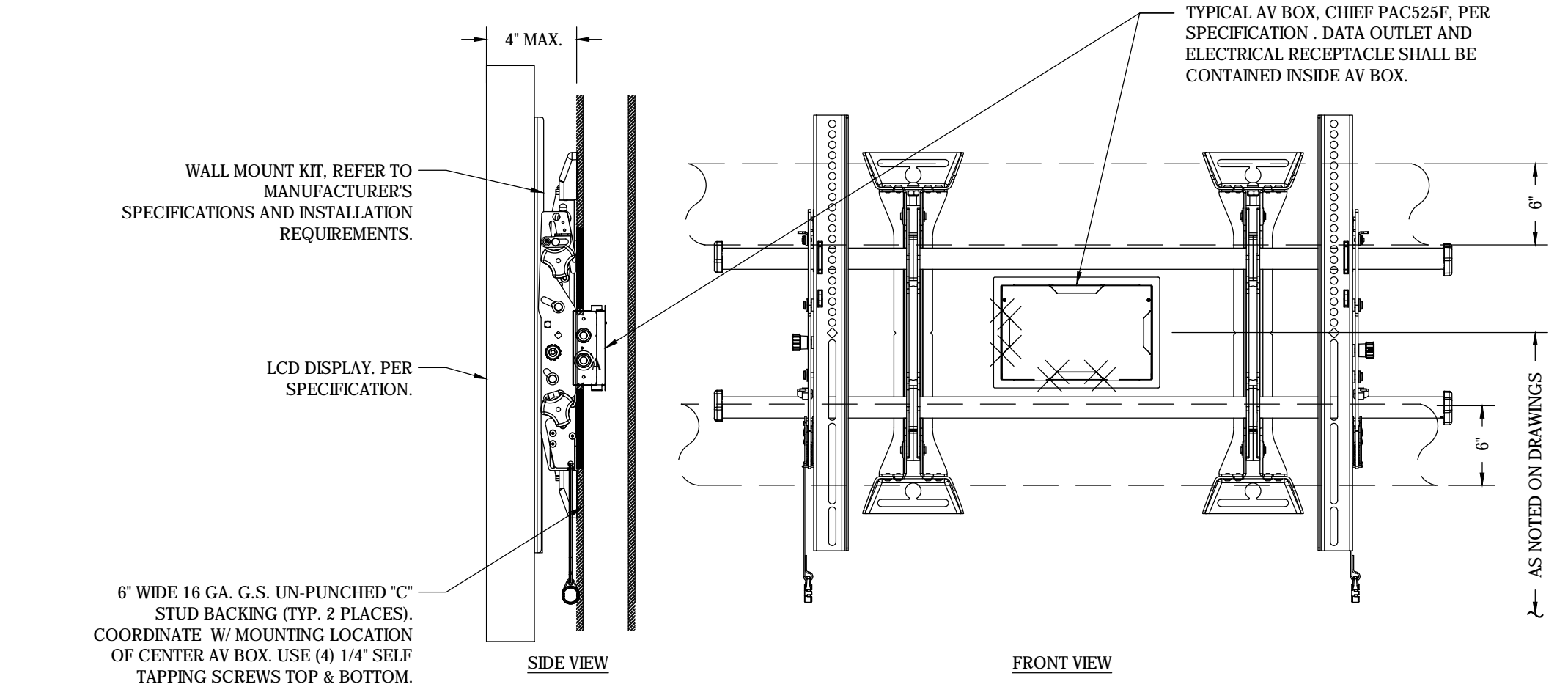
FOR ATTACHMENT TO CONCRETE, USE (2) 1/2\"/>



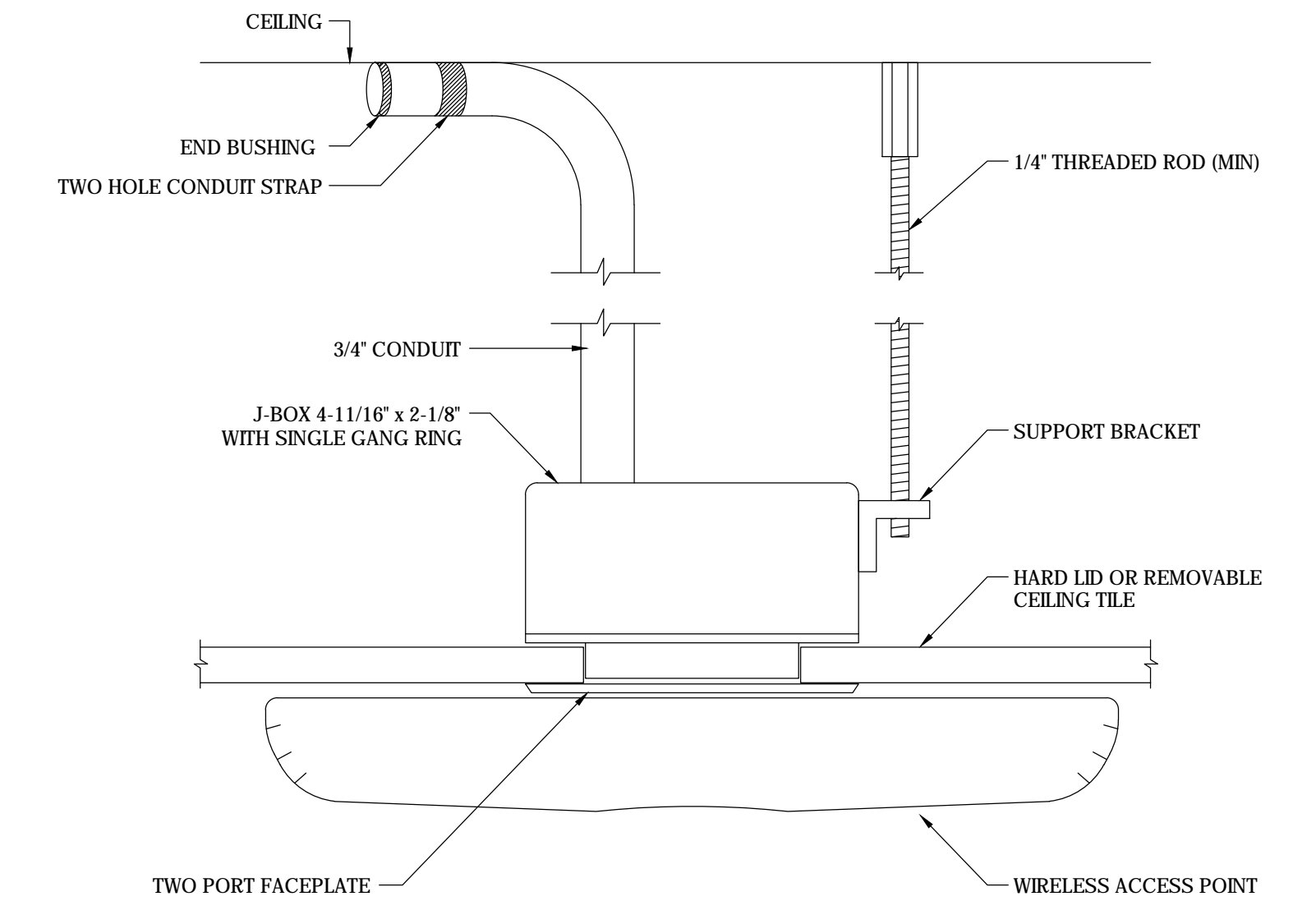
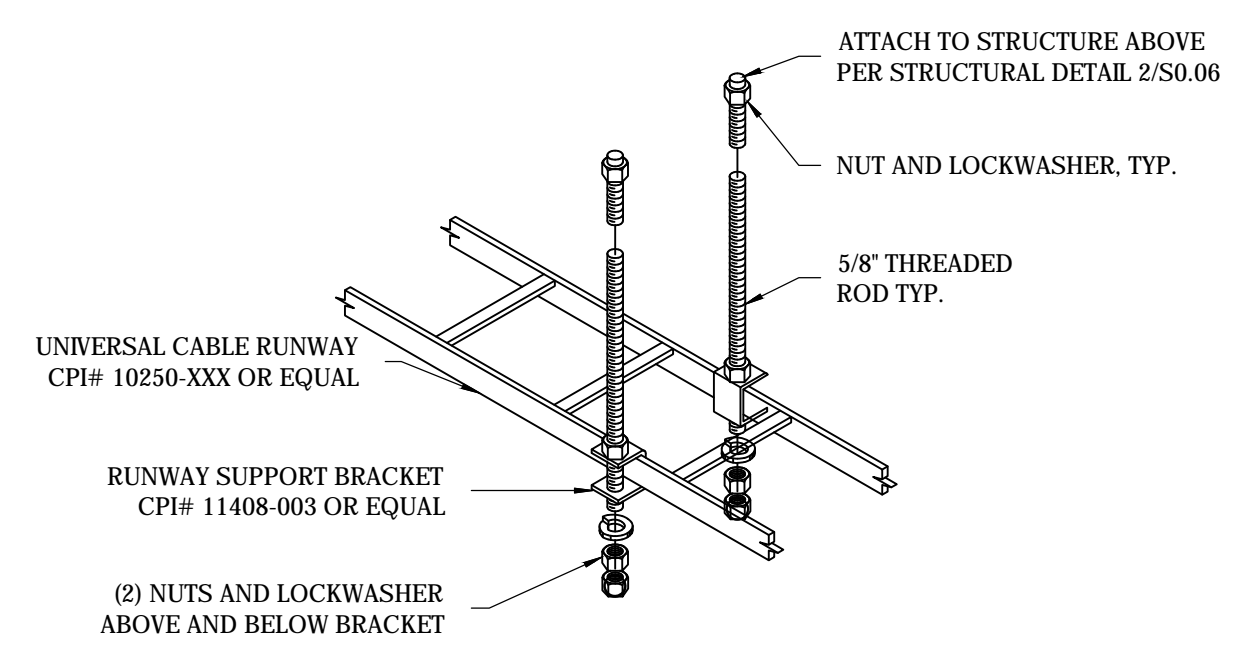
6 WALL MOUNTED RACK DETAIL
 NO SCALE

4 VERTICAL WALL BRACKET
 NO SCALE

2 WALL MOUNTED ENCLOSURE (IDF CLOSET)
 NO SCALE



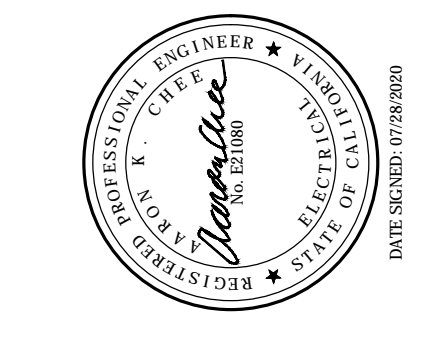
- NOTES:
- A CLEAR SPACE OF 2" IS REQUIRED BY THE MANUFACTURER AROUND THE PERIMETER OF THE FLAT PANEL MONITOR FOR VENTILATION.
 - VERIFY MONITOR SIZE AND WEIGHT TO BE INSTALLED.



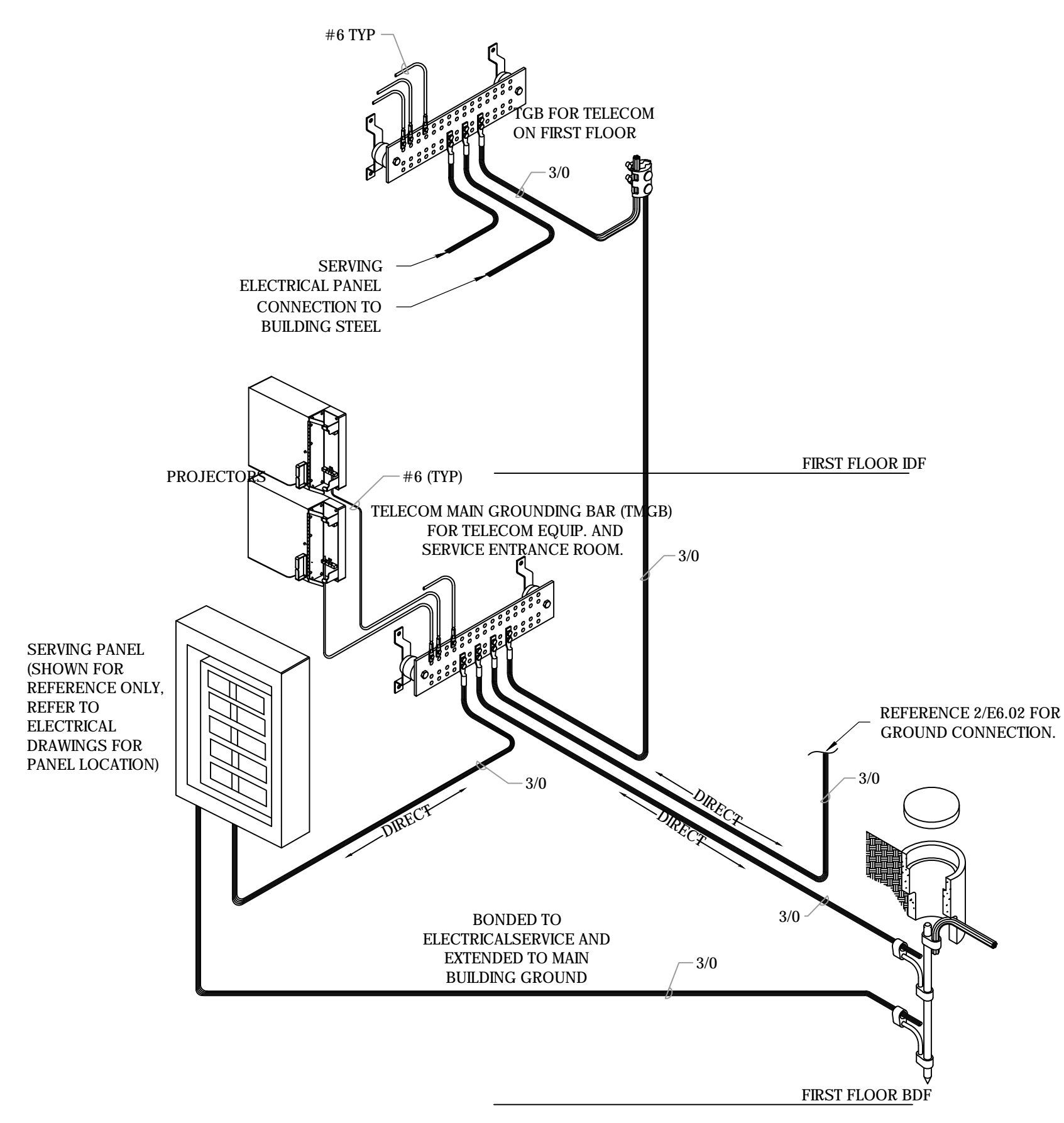
5 TYPICAL LCD / LED TV / DISPLAY MOUNT BACKING
 NO SCALE

3 RUNWAY WALL-CEILING SUPPORT KIT
 NO SCALE

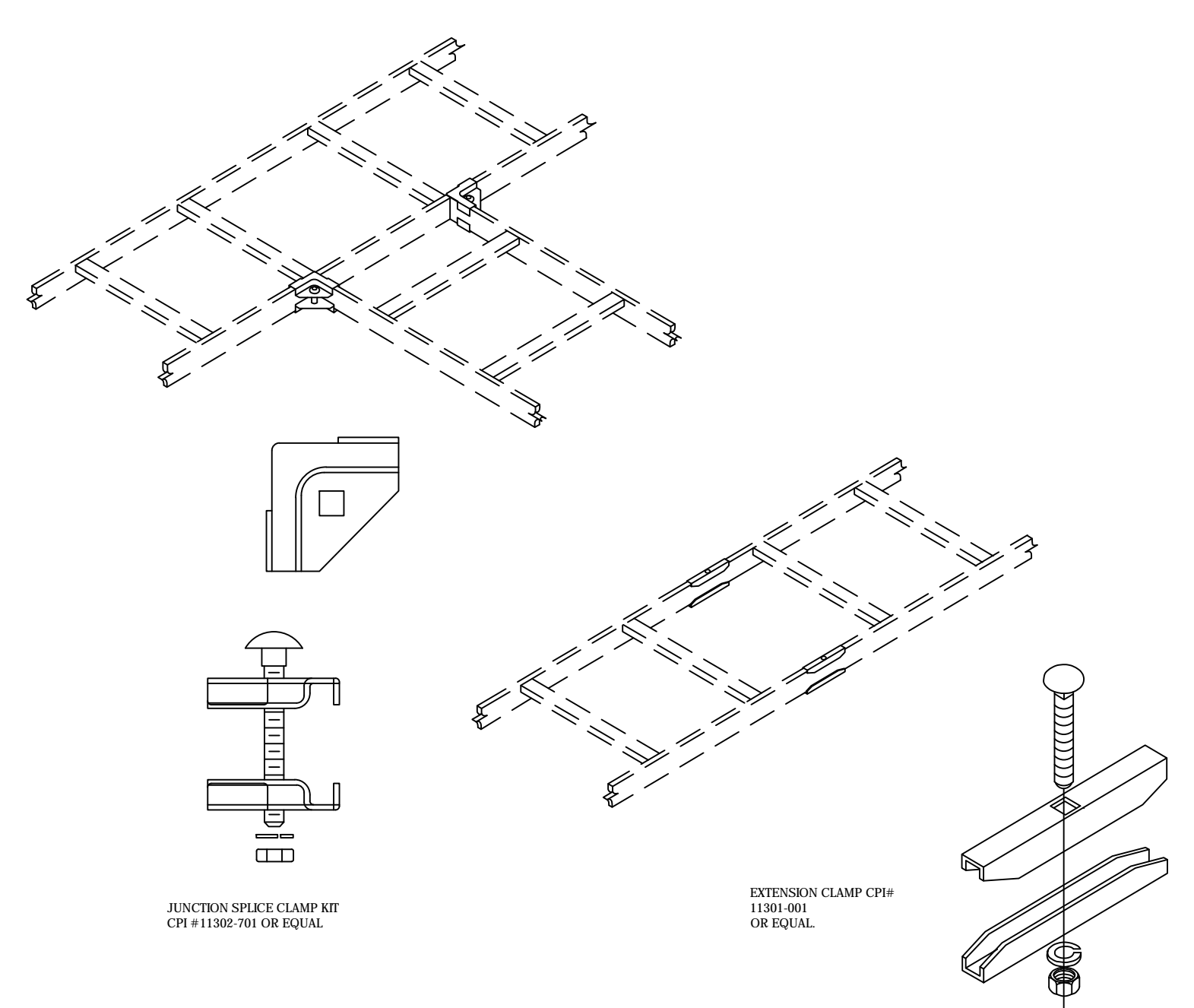
1 CEILING MOUNTED WIRELESS ACCESS POINT
 NO SCALE



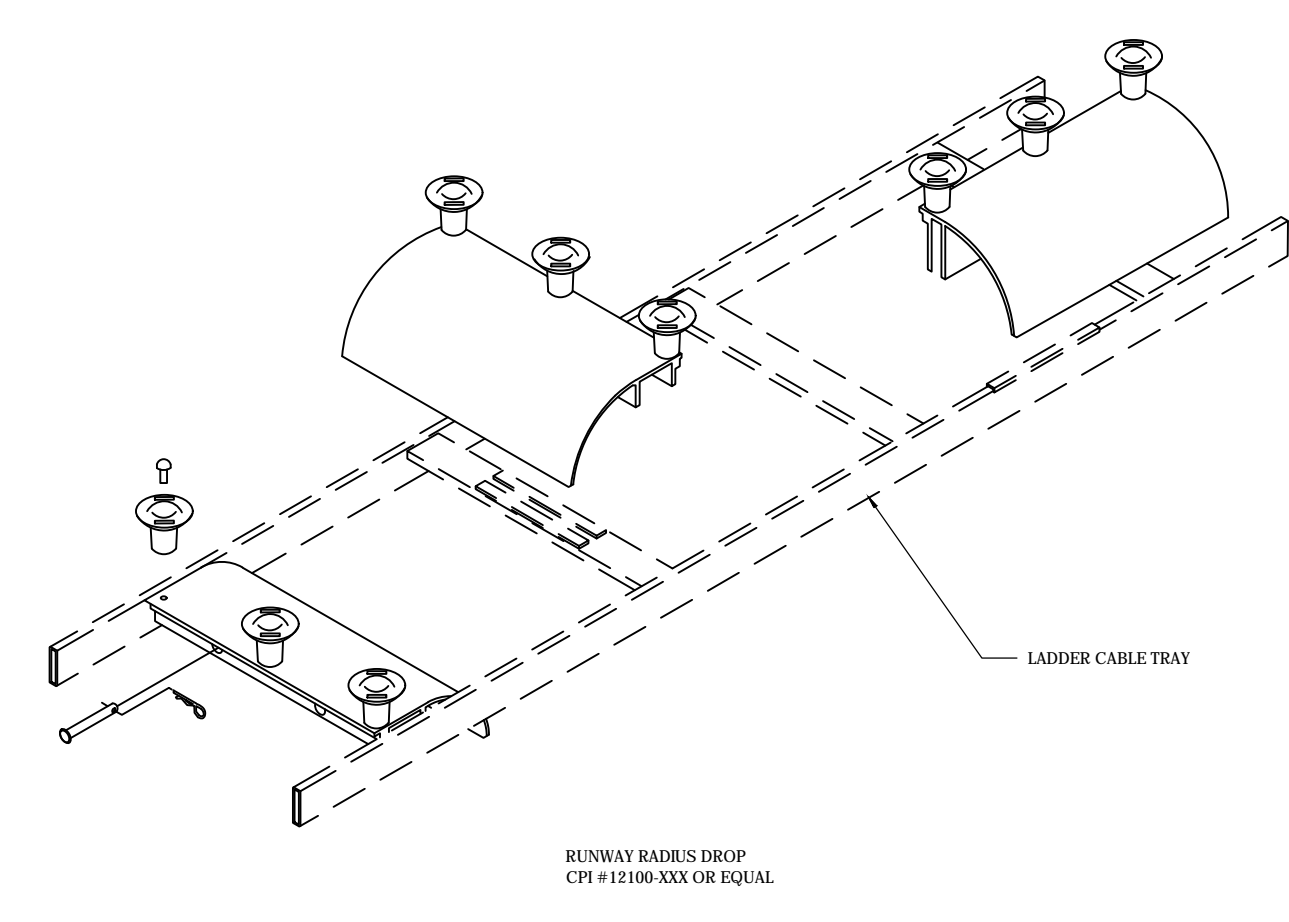
PROJECT NUMBER:	19-43100-00
PROJECT STATUS:	CD 100%
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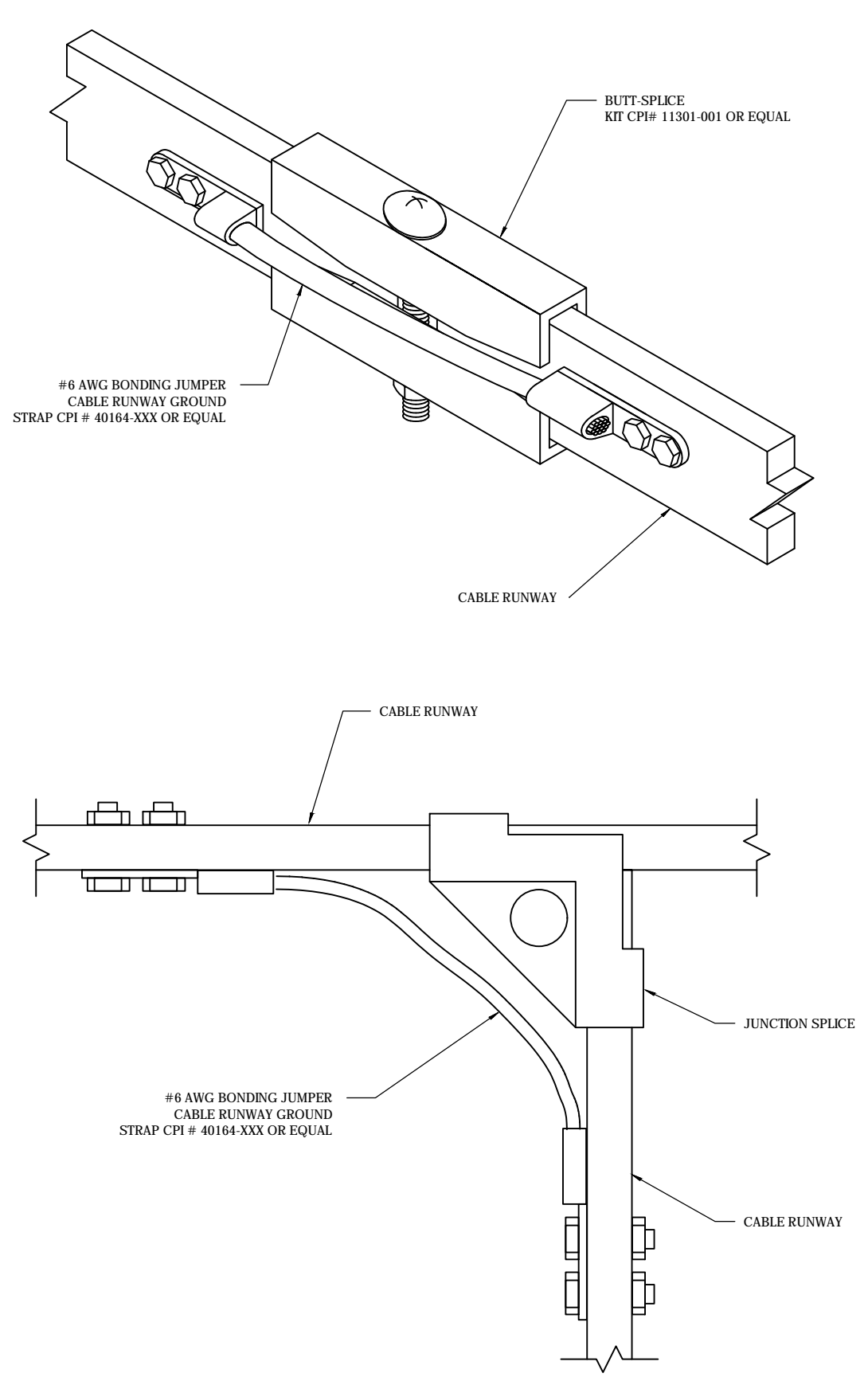
6 TYP GROUNDING DIAGRAM
 NO SCALE



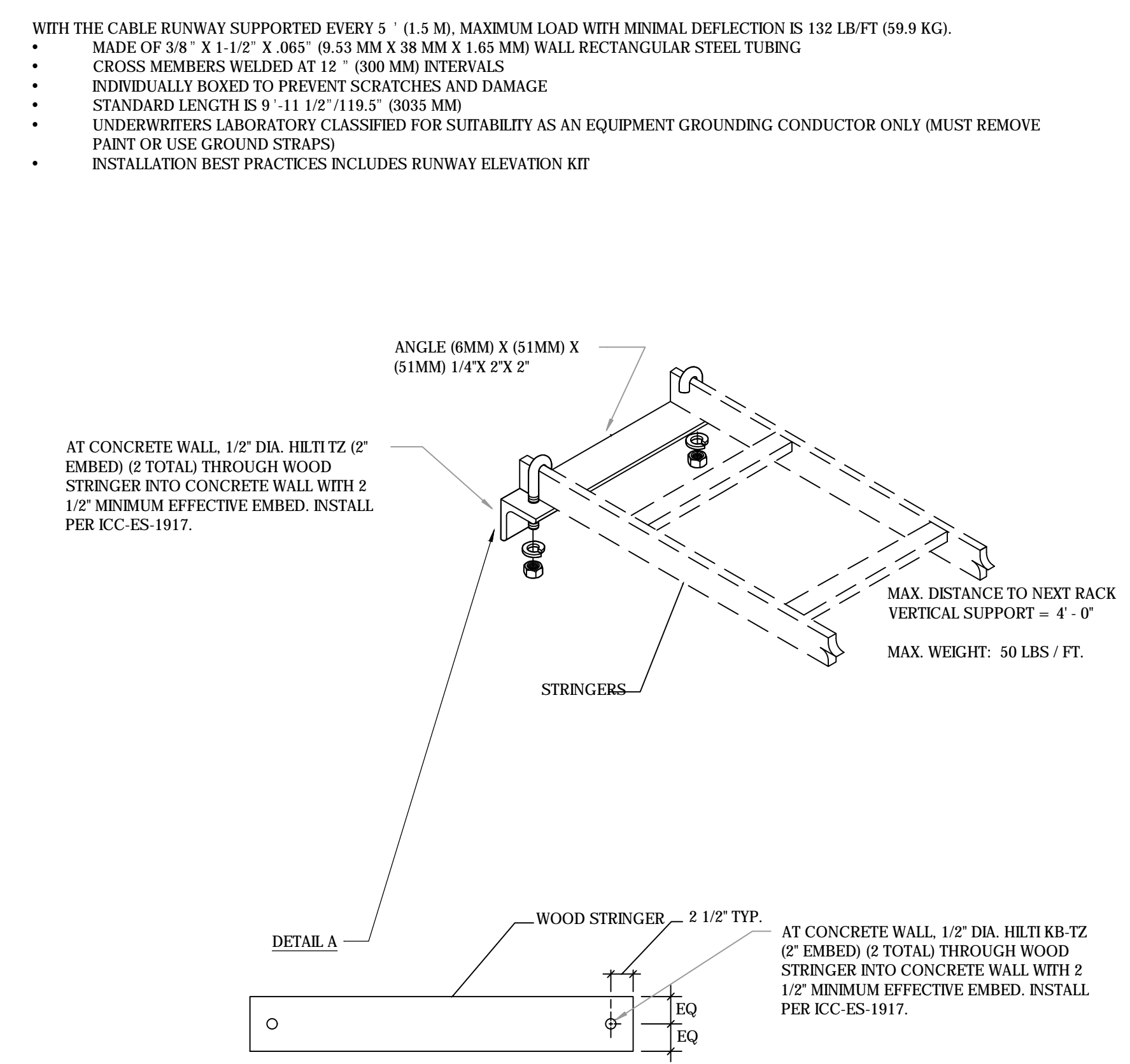
4 RUNWAY SUPPORT (CLAMPS)
 NO SCALE



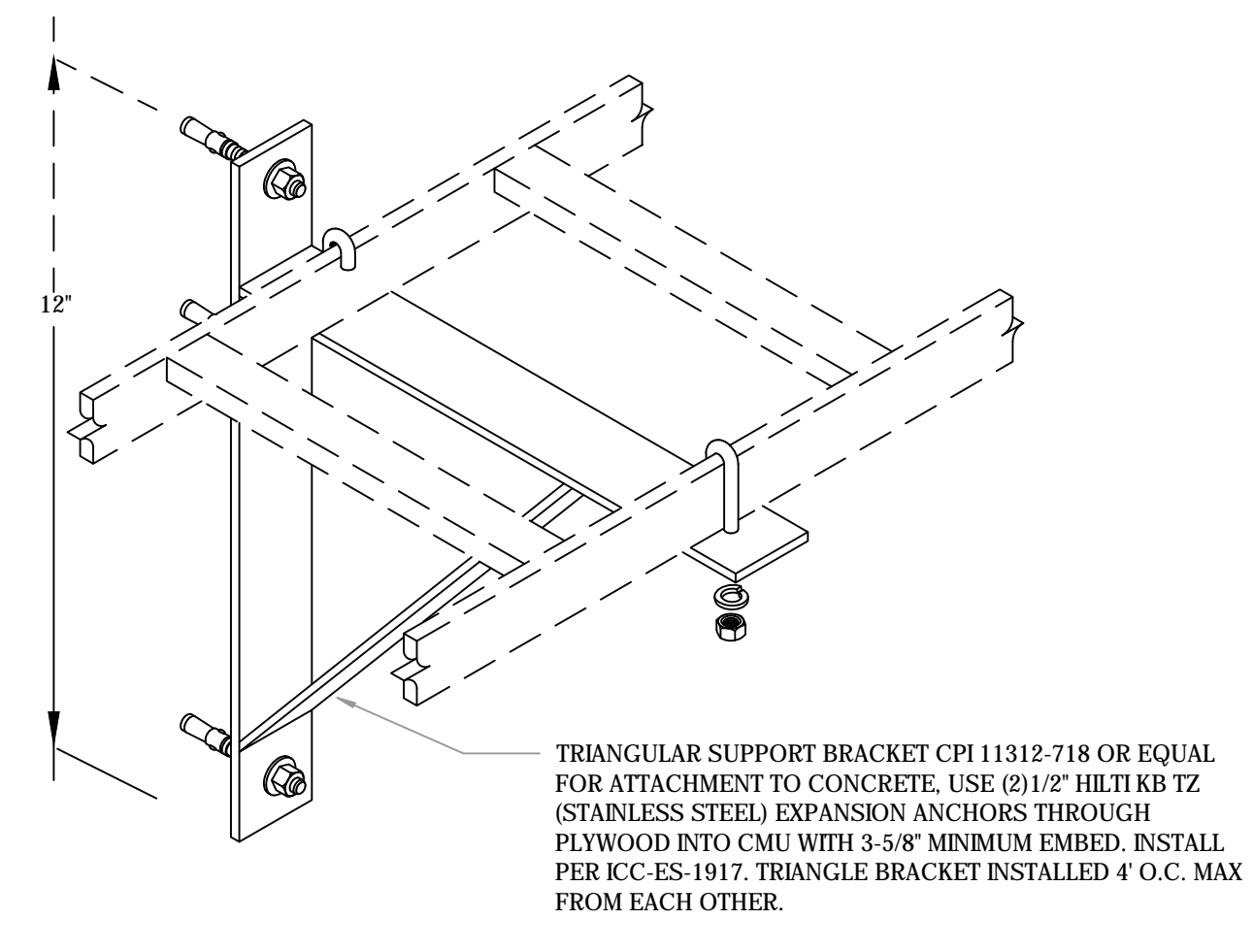
2 LADDER RACK RUNWAY RADIUS DROP
 NO SCALE



5 JUNCTION BUTT SPLICE AND BONDING DETAILS
 NO SCALE

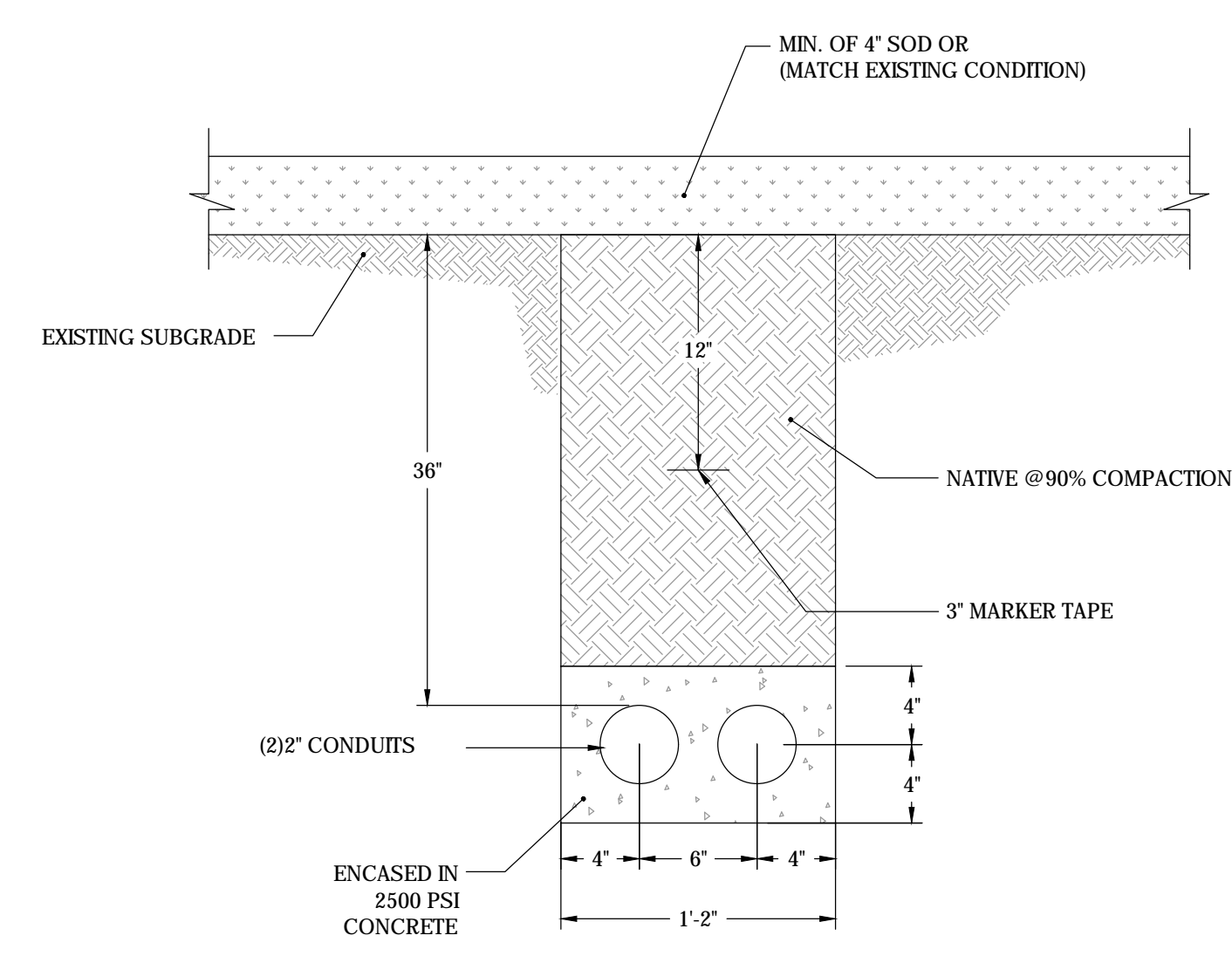


3 WALL MOUNTING DETAIL
 NO SCALE



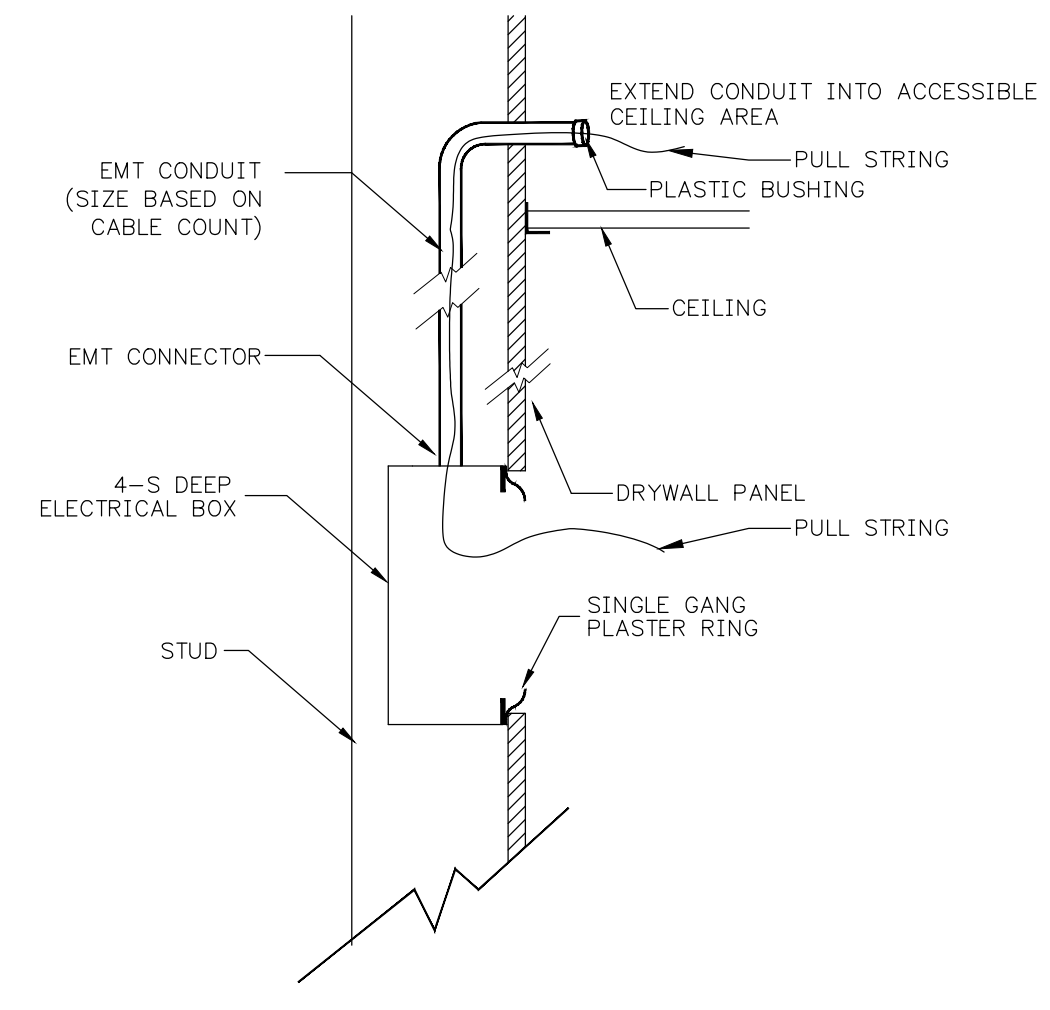
1 TRIANGLE RUNWAY SUPPORT
 NO SCALE



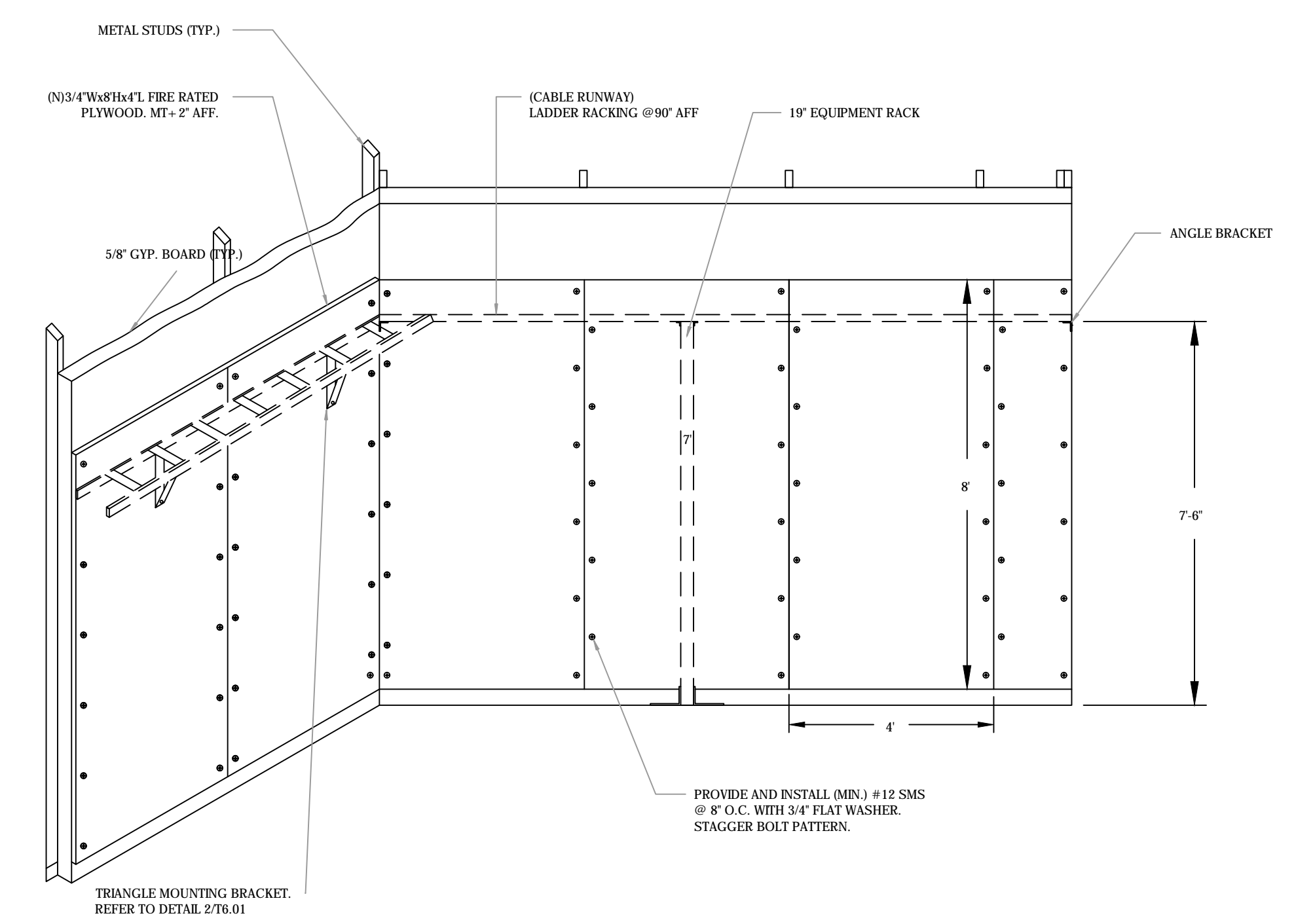


- GENERAL NOTES**
1. ALL PAVEMENT THICKNESSES ARE APPROXIMATE. CONTRACTOR SHALL MATCH EXISTING THICKNESS OR DIMENSIONS SHOWN, WHICHEVER IS GREATER.
 2. APPLY TACK COAT PER SPECS. PROVIDE SMOOTH TRANSITION BETWEEN NEW AND EXISTING PAVEMENT SURFACES.
 3. WHERE PEDESTRIAN PAVEMENT IS PATCHED, PATCH SHALL COMPLY WITH 11B-303 AND 11B-302.1 TYP.

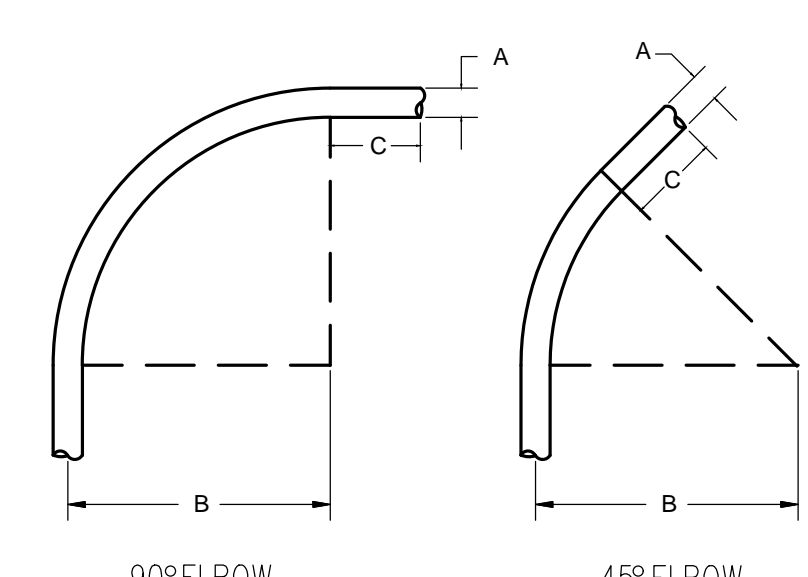
6 TRENCH - (2) 2" CONDUITS
 NO SCALE



4 TYPICAL BACK BOX AND CONDUIT
 NO SCALE



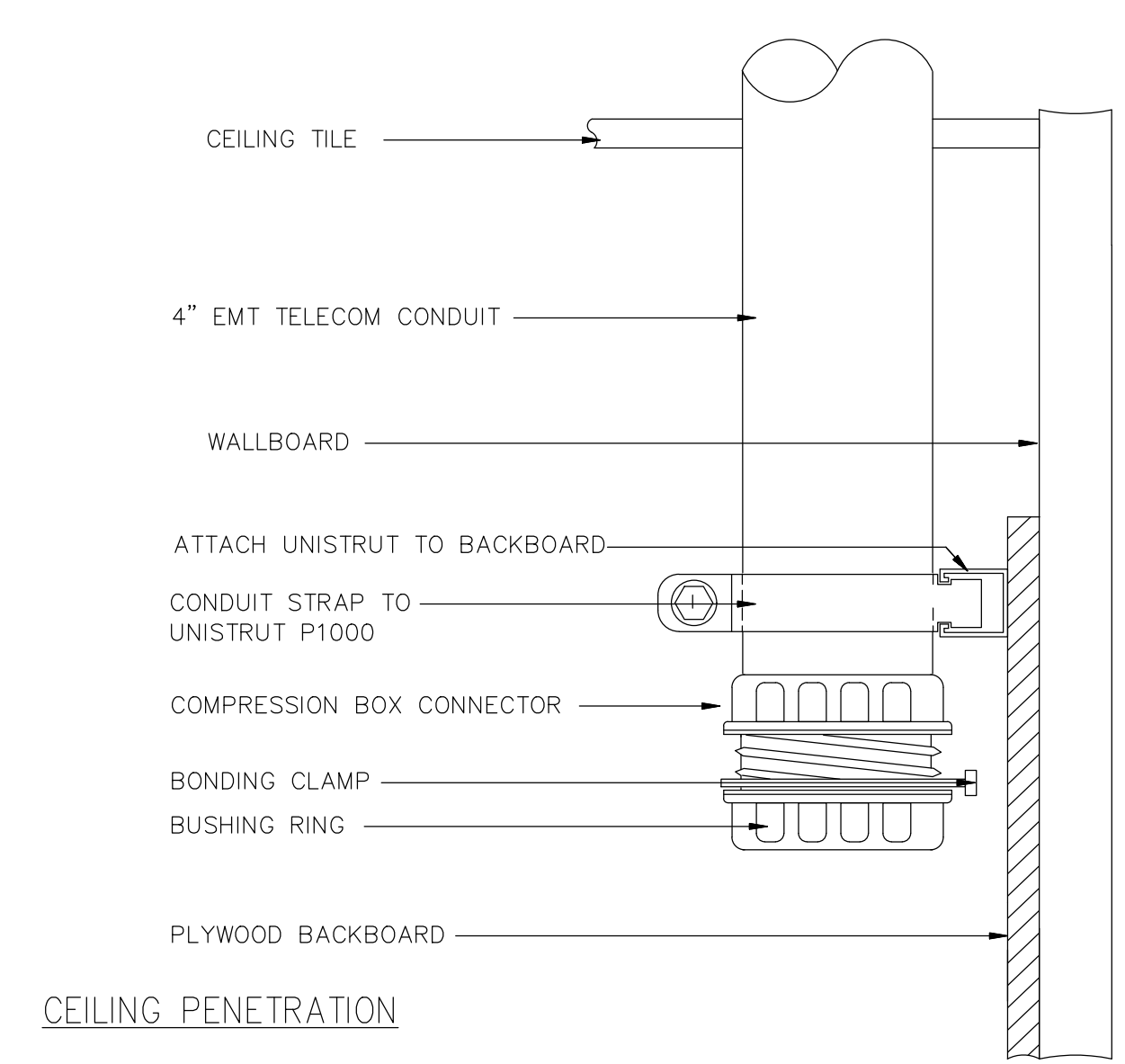
2 BACKBOARD INSTALLATION
 NO SCALE



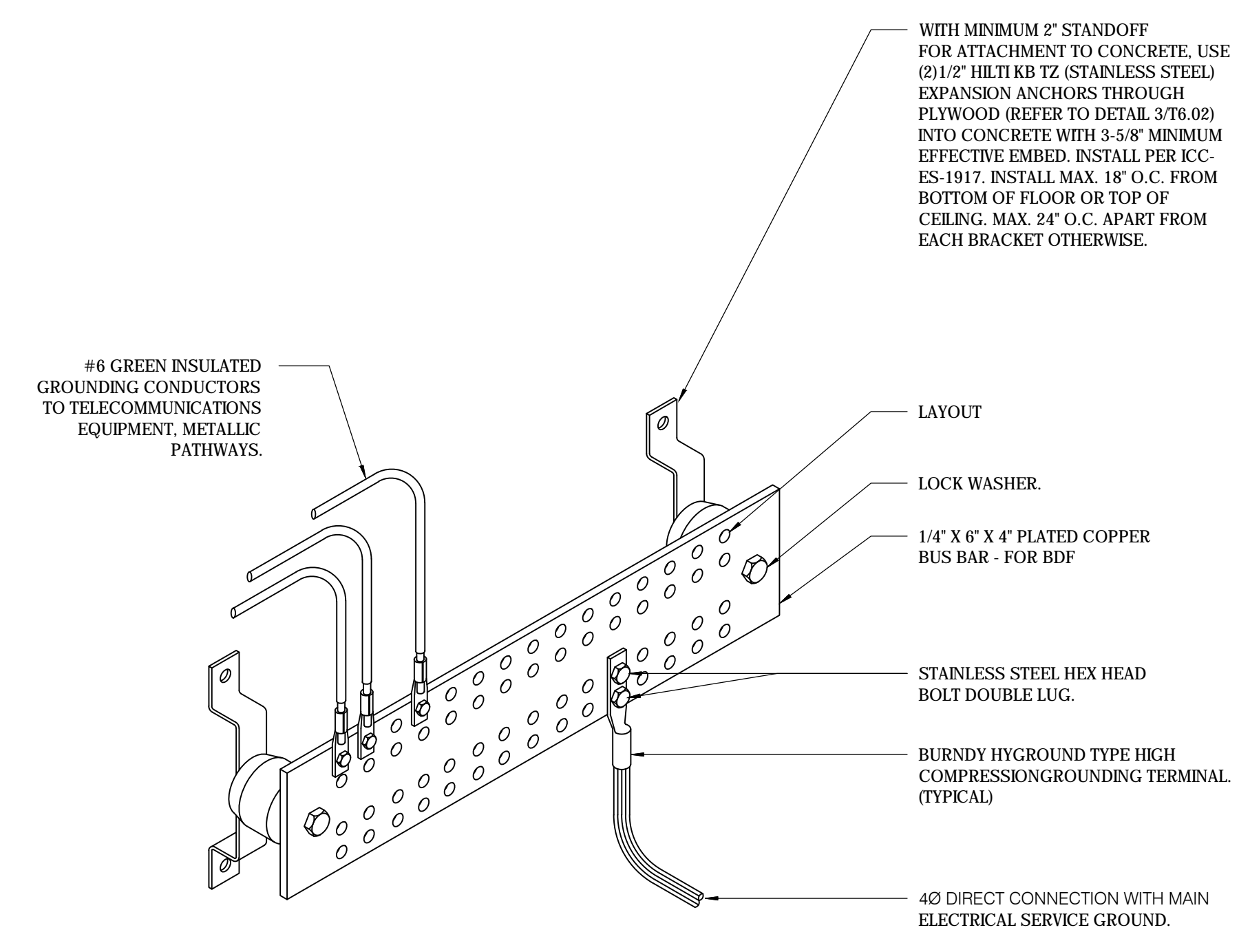
SIZE	A	B	C
2"	2.375	21"	3-1/2"
3"	3.500	31"	3-1/4"
4"	4.500	40"	3"

REF: EIA/TIA 569 TABLE 5.2-1

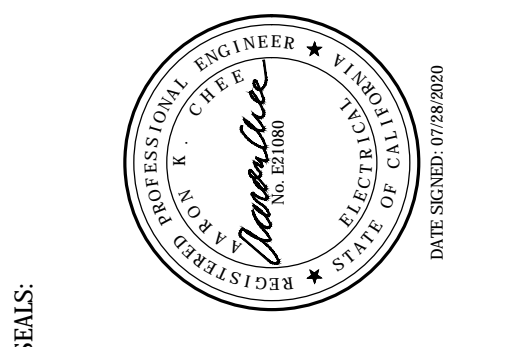
5 TYPICAL CONDUIT BEND RADIUS DETAIL
 NO SCALE



3 CONDUIT STUB-DOWN WITH CONNECTOR AND BUSHING
 NO SCALE



1 GROUND BUS BAR
 NO SCALE



MODULAR OFFICE BUILDING

BUILDING SIZE: 72' x 40'

BASED ON: PC 04-116719

BY

SILVER CREEK INDUSTRIES, INC.

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE : (951) 943-5393 FAX : (951) 943-2211

IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE
SCI PROJECT #11327

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SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE

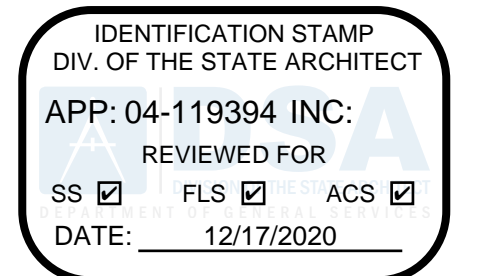
SHEET TITLE:

COVER SHEET



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL



REFER TO
EQUIVALENT
PC SHEET

- FOR ELEMENTS NOT ON THIS "N" SHEET -

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 60'

PROJECT NO.:

DRAWN BY:

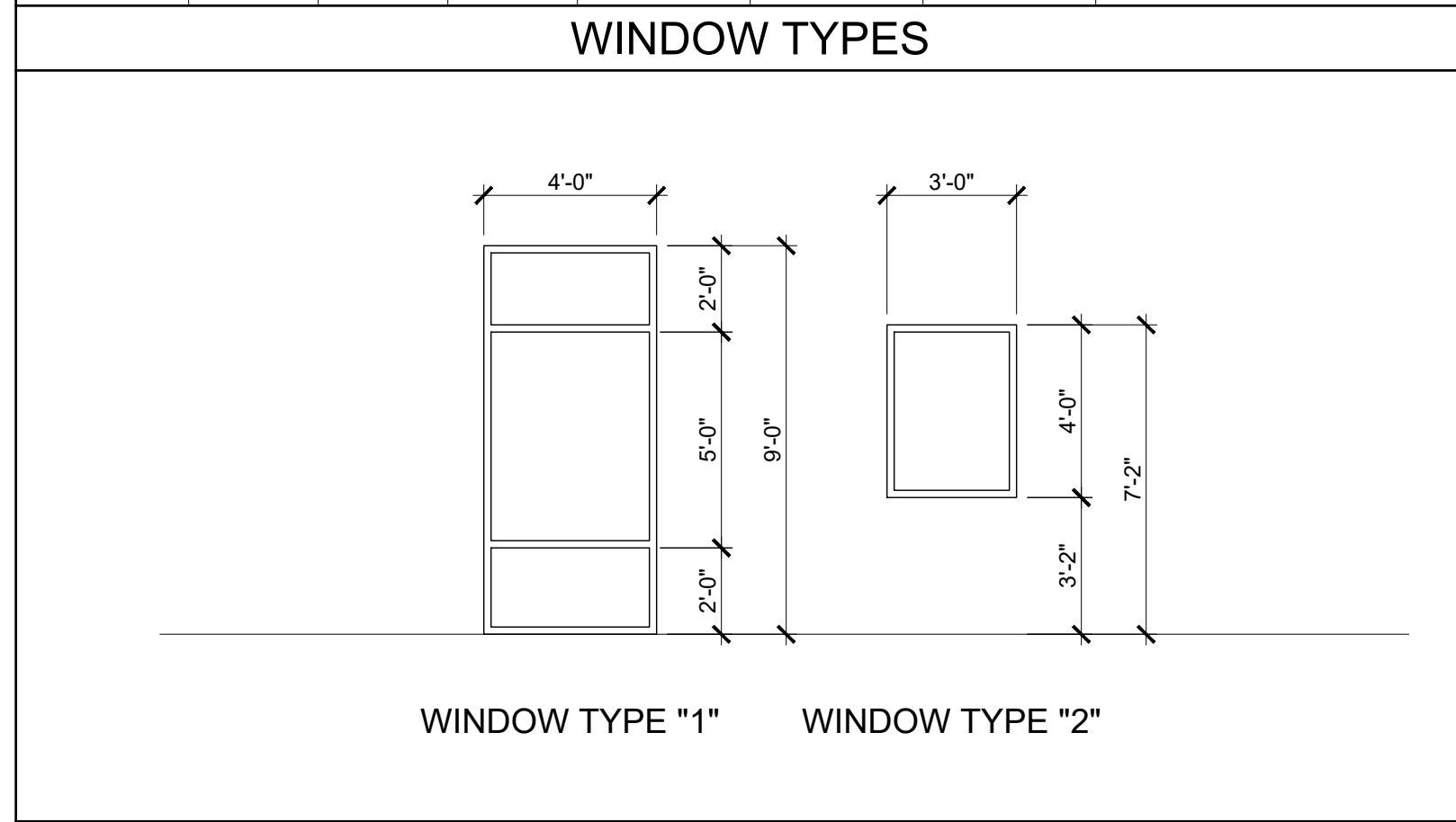
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DATE: 07.20.2020

SHEET NUMBER

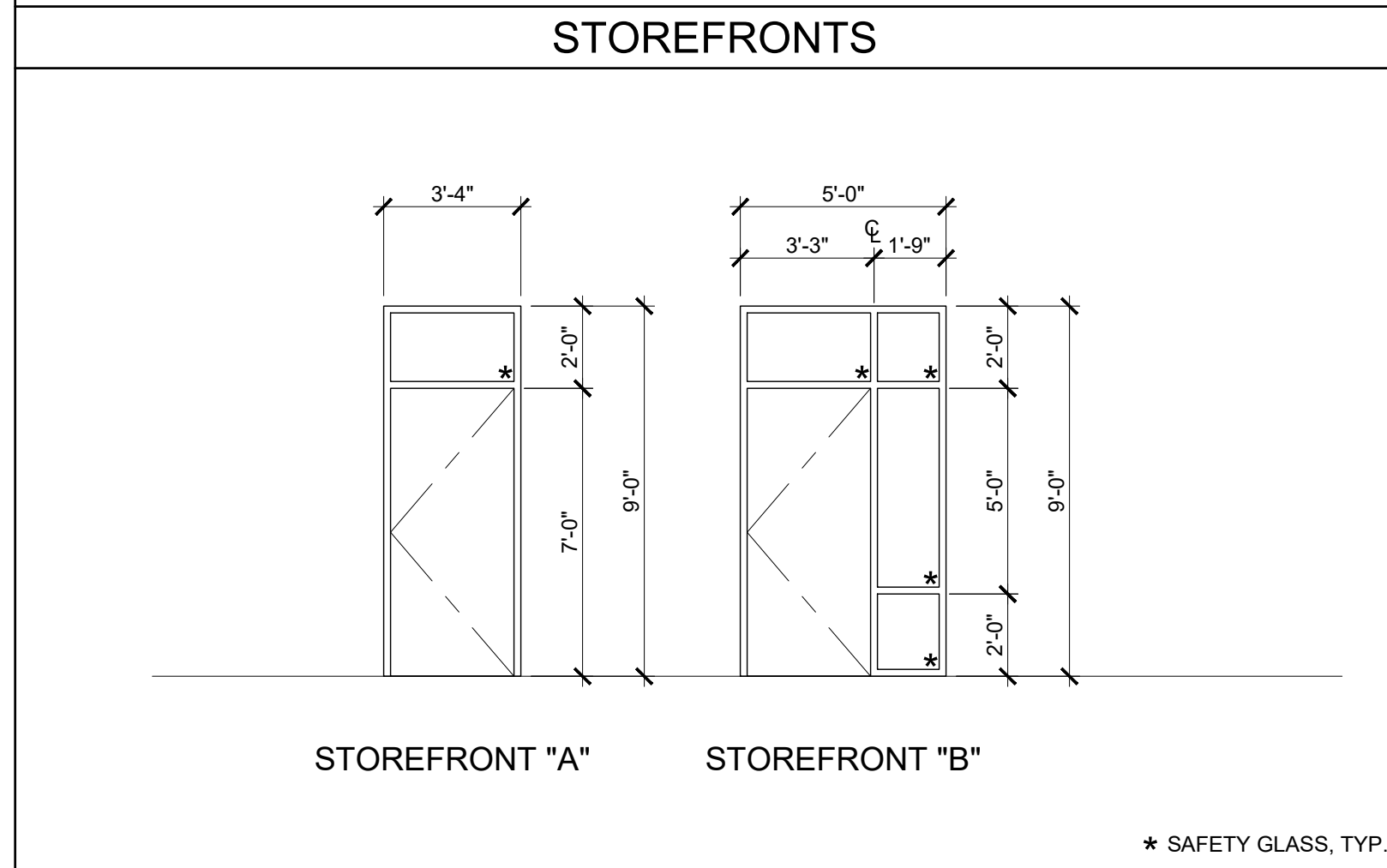
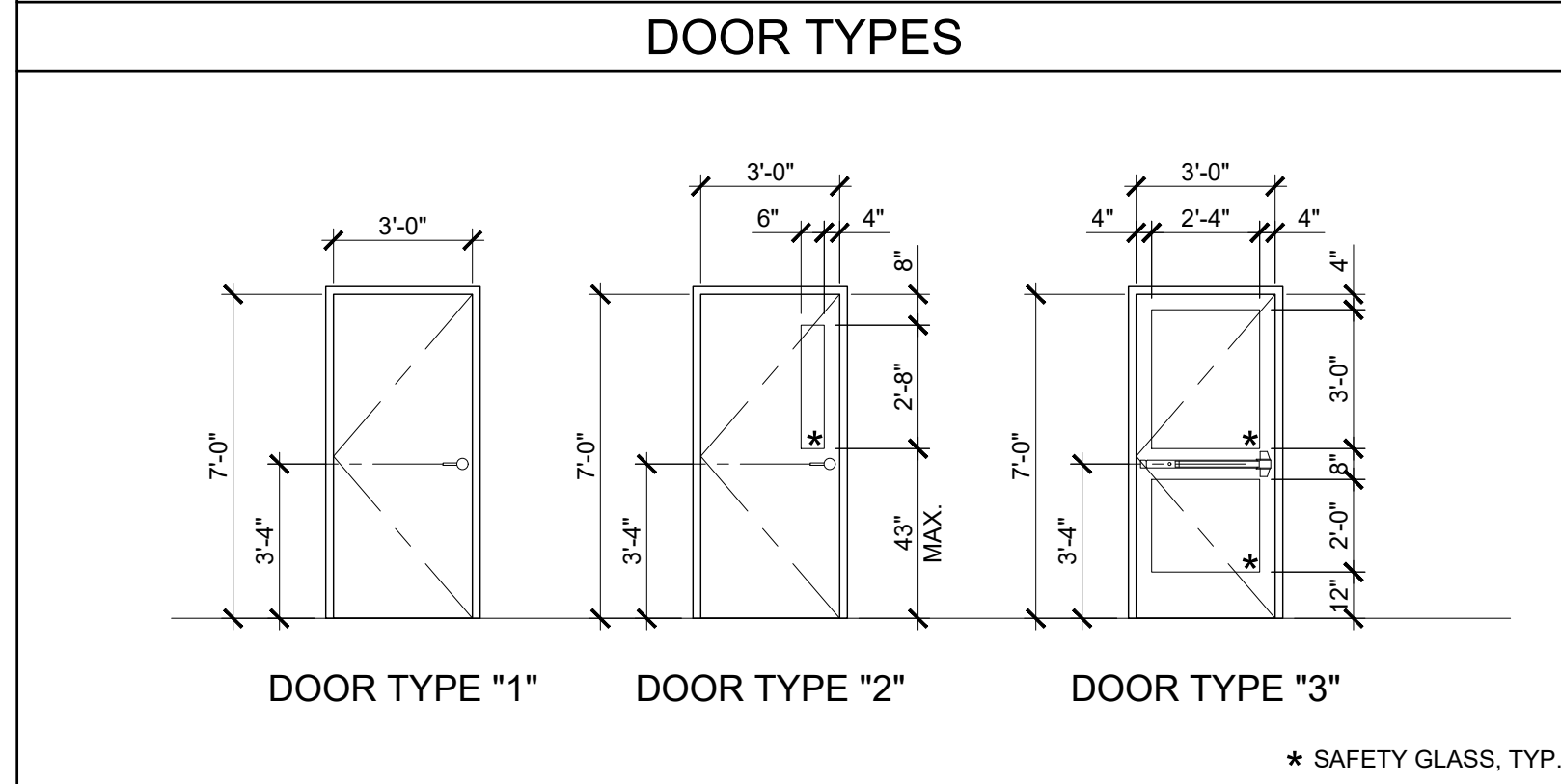
A-0N

WINDOW SCHEDULE							
WINDOW NO.	WIDTH	HEIGHT	TYPE	GLASS MAT.	FRAME MAT.	FUNCTION	NOTES
A	4'-0"	9'-0"	1	DP	ALUM.	FIXED	
B	3'-0"	4'-0"	2	DP	ALUM.	FIXED	



DOOR FINISHES

HM: 18GA HOLLOW METAL
 WF: 16GA WELDED FRAME
 ALUM: ALUMINUM



INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:

DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, PIPES AND EXTERIOR WALLS. (CLASS A = 0-25 FLAME SPREAD) SMOKE DEVELOPMENT DENSITY LESS THAN 450.

MATERIAL: INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINTECS, OR EQUAL.

INSULATION VALUES
 SEE SHEETS A-0.7 FOR MINIMUM REQUIRED INSULATION VALUES FOR SPECIFIC BUILDING SIZE AND CONFIGURATION.

EXTERIOR WALL INSULATION (MIN.)
 R-19 (2x6)

INTERIOR WALL INSULATION (MIN.)
 R-13

FLOOR INSULATION (MIN.)
 R-19

ROOF INSULATION (MIN.)
 R-30

DOOR SCHEDULE								
DOOR NO.	WIDTH	HEIGHT	DOOR TYPE	STOREFRONT	DOOR MAT.	FRAME MAT.	HARDWARE	NOTES
1	3'-0"	7'-0"	3	B	ALUM.	ALUM.	A498	
2	3'-0"	7'-0"	3	A	ALUM.	ALUM.	A498	
3	3'-0"	7'-0"	1	-	HM	WF	453	
4	3'-0"	7'-0"	1	-	HM	WF	486.3	
5	3'-0"	7'-0"	2	-	HM	WF	030	
6	3'-0"	7'-0"	2	-	HM	WF	078.2	
7	3'-0"	7'-0"	2	-	HM	WF	030	
8	3'-0"	7'-0"	2	-	HM	WF	030	
9	3'-0"	7'-0"	2	-	HM	WF	030	
10	3'-0"	7'-0"	2	-	HM	WF	030	
11	3'-0"	7'-0"	2	-	HM	WF	030	
12	3'-0"	7'-0"	2	-	HM	WF	030	
13	3'-0"	7'-0"	2	-	HM	WF	030	
14	3'-0"	7'-0"	2	-	HM	WF	030	
15	3'-0"	7'-0"	2	-	HM	WF	030	
16	3'-0"	7'-0"	2	-	HM	WF	078.2	
17	3'-0"	7'-0"	2	-	HM	WF	030	
18	3'-0"	7'-0"	2	-	HM	WF	030	
19	3'-0"	7'-0"	2	-	HM	WF	032	
20	3'-0"	7'-0"	2	-	HM	WF	032	
21	3'-0"	7'-0"	1	-	HM	WF	078.3	
22	3'-0"	7'-0"	2	-	HM	WF	012	
23	3'-0"	7'-0"	1	-	HM	WF	020	
24	3'-0"	7'-0"	1	-	HM	WF	020	
25	3'-0"	7'-0"	2	-	HM	WF	032	
26	3'-0"	7'-0"	2	-	HM	WF	020	
27	3'-0"	7'-0"	2	-	HM	WF	032	

DOOR HARDWARE

HW SET: 012	3 EA HINGE	3CB1 4.5 X 4.5	652	IVE
	1 EA PASSAGE	L9010 06A	626	SCH
	1 EA CLOSER	4040XP	689	LCN
	1 EA KICK PLATE	8400 10" X 2" LDW	630	IVE
	1 EA DOME STOP	FS436/438 AS REQ'D	626	IVE
	3 EA SILENCER	SR64	GRY	IVE
HW SET: 020	3 EA HINGE	3CB1 4.5 X 4.5	652	IVE
	1 EA PRIVACY	L9440-L583-363-L283-722 06A	626	SCH
	1 EA WINDICATOR	FS436/438 AS REQ'D	626	IVE
	3 EA SILENCER	SR64	GRY	IVE
HW SET: 030	3 EA HINGE	3CB1 4.5 X 4.5	652	IVE
	1 EA OFFICE LOCK	L9050P L583-363 06A	626	SCH
	1 EA DOME STOP	FS436/438 AS REQ'D	626	IVE
	3 EA SILENCER	SR64	GRY	IVE
HW SET: 032	3 EA HINGE	3CB1 4.5 X 4.5	652	IVE
	1 EA OFFICE LOCK	L9050P L583-363 06A	626	SCH
	1 EA CLOSER	4040XP	689	LCN
	1 EA KICK PLATE	8400 10" X 2" LDW	630	IVE
	1 EA DOME STOP	FS436/438 AS REQ'D	626	IVE
	3 EA SILENCER	SR64	GRY	IVE
HW SET: 078.2	3 EA HINGE	3CB1 4.5 X 4.5	652	IVE
	1 EA ELECTRIC HINGE	3CB1 4.5 X 4.5 TW	652	IVE
	1 EA ELECTRONIC LOCK	AD-300/400-MS/MD-RHO-TD FOR REFERENCE ONLY	626	SCE
	1 EA CYLINDER	AS REQ'D	626	SCH
	1 EA CLOSER	4040XP	689	LCN
	1 EA KICK PLATE	8400 10" X 2" LDW	630	IVE
	1 EA DOME STOP	FS436/438 AS REQ'D	626	IVE
	3 EA SILENCER	SR64	GRY	IVE
LOCK SHOWN HERE FOR REFERENCE AND TEMPLATING ONLY. IT IS SPECIFIED AND SUPPLIED IN SECTION 28 AD300 USE 1 TW HINGE AND 2 STANDARD HINGES. AD400 USE 3 STANDARD HINGES				
HW SET: 078.3	3 EA HINGE	3CB1 4.5 X 4.5	652	IVE
	1 EA ELECTRIC HINGE	3CB1 4.5 X 4.5 TW	652	IVE
	1 EA ELECTRONIC LOCK	AD-300/400-MS/MD-RHO-TD FOR REFERENCE ONLY	626	SCE
	1 EA CYLINDER	AS REQ'D	626	SCH
	1 EA CLOSER	4040XP S-CUSH	689	LCN
	1 EA KICK PLATE	8400 10" X 2" LDW	630	IVE
	3 EA SILENCER	SR64	GRY	IVE
LOCK SHOWN HERE FOR REFERENCE AND TEMPLATING ONLY. IT IS SPECIFIED AND SUPPLIED IN SECTION 28 AD300 USE 1 TW HINGE AND 2 STANDARD HINGES. AD400 USE 3 STANDARD HINGES				

FINISH SCHEDULE										
ROOM NAME	FLOORING	WALL FINISH					CEILING		NOTES	
		FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING		CEILING HT
ENTRY 101	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
SCOOTER STORAGE 102	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
OFFICE 103	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
SAFE ROOM 104	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
OFFICE 105	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
OFFICE 106	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
STUDY ROOM #1 107	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
OFFICE 108	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
DIRECTOR 109	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
OFFICE 110	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
JANITOR 111	SV	SC	FRP	FRP	FRP	FRP	NONE	-		
ELECTRICAL 112	VCT	6" TS	TTP	TTP	TTP	TTP	NONE	-		
TEST ROOM 113	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
STUDY ROOM #2 114	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
COMPUTER ROOM 115	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
OFFICE 116	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
OPEN SHARED OFFICE 117	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
COPY 119	CP	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
IDF 120	VCT	6" TS	TTP	TTP	TTP	TTP	NONE	-		
CONF. / BREAK ROOM 121	LVT	4" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
ALL GENDER RR 123	CT	CT	CT	CT	CT	CT	HL	9'-0"		
ALL GENDER RR 124	CT	CT	CT	CT	CT	CT	HL	9'-0"		
STORAGE 124	VCT	6" TS	TTP	TTP	TTP	TTP	755B	9'-0"		
CORRIDOR 125	CP/VCT	4" TS	TTP/FRP	TTP/FRP	TTP/FRP	TTP/FRP	755B/HL	9'-0"		
CORRIDOR 126	CP	4" TS	TTP	TTP	TTP	TTP	755B/HL	9'-0"		

INTERIOR FINISHES

FLOORING	CP LVT SV VCT CT	"BENTLEY" CARPET - IN COMPLIANCE WITH PC SPECIFICATIONS LUXURY VINYL TILE - WITH TRANSPARENT OR TRANSLUCENT WEAR LAYER SHEET VINYL FLOORING VINYL COMPOSITION TILE CERAMIC TILE
BASE	4" TS 6" TS SC CT	4" TOP SET BASE 6" TOP SET BASE 6" SELF-COVE BASE CERAMIC TILE
WALLS	TTP FRP CT	LEVEL 3 TAPE, TEXTURE, AND PAINT, OVER 1/2" GYP. BOARD 1/8" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD CERAMIC TILE, OVER TILE BACKER
CEILING	NONE	ACOUSTICAL LAY IN GRID CEILING PANELS, ARMSTRONG 755B W/ ACOUSTIC INSUL. ABOVE TILES (SEE RCP) 5/8" GYPSUM BOARD, TAPE, TEXTURE, PAINTED FINISH (HARD LID CEILING) NO FINISH - EXPOSED TO UNDERSIDE OF ROOF ABOVE

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SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE
 (1) 72' x 60' OFFICE**

SHEET TITLE:
SCHEDULES

ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-119394 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 12/17/2020

**REFER TO
 EQUIVALENT
 PC SHEET**

- FOR ELEMENTS NOT ON THIS "N" SHEET -

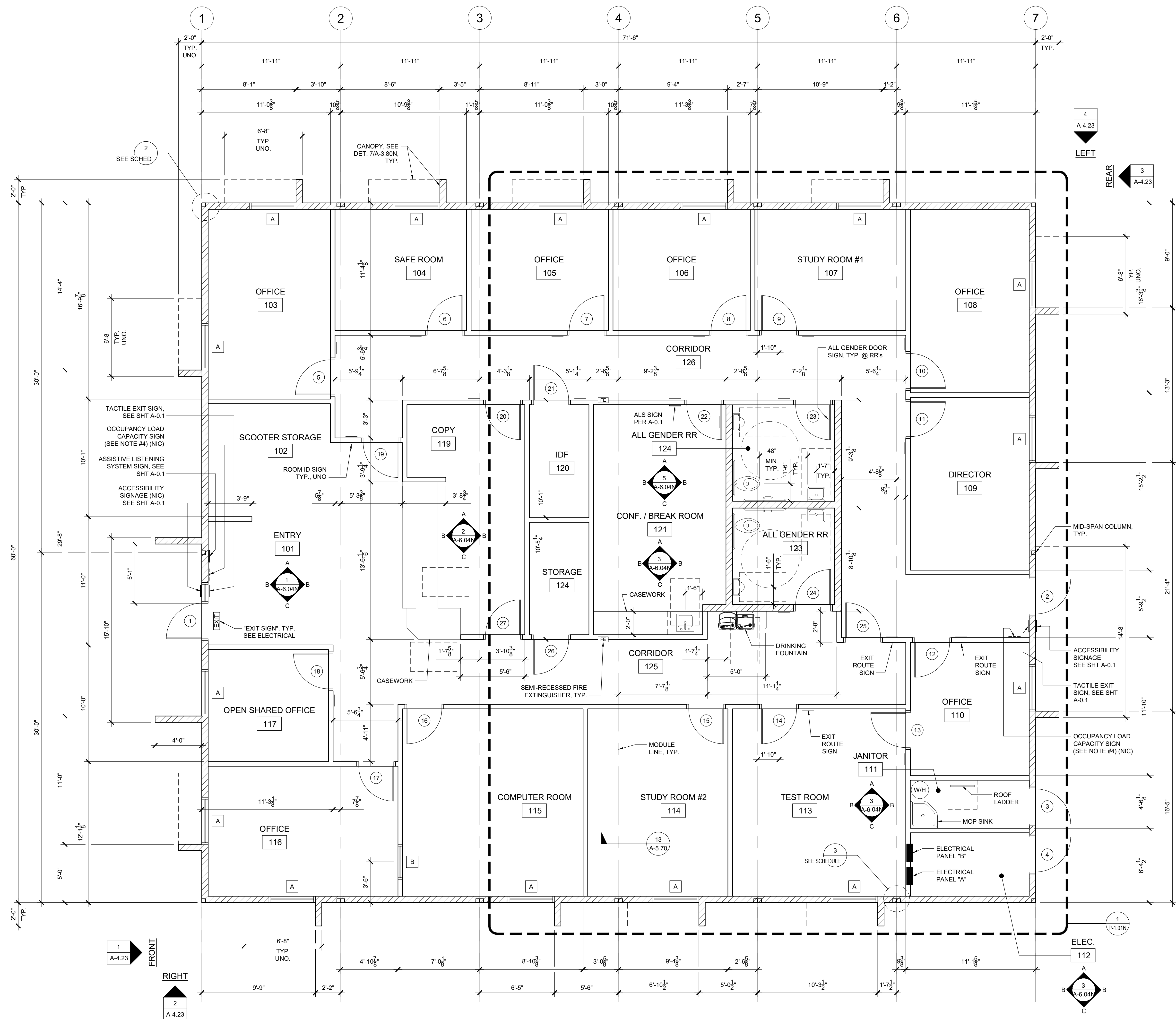
REVISIONS

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SILVER CREEK INDUSTRIES
 24' x 60'

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 07.20.2020

SHEET NUMBER
A-0.2N



WALL LEGEND

	3 1/2" WALL STUD
	5 1/2" INTERIOR WALL STUD
	5 1/2" EXTERIOR WALL STUD w/ AWNING POP-OUT

NOTES

ASSISTIVE LISTENING RECEIVERS:
 CONFERENCE / BREAK ROOM 121 - 223 SQ FT / 100 FOR B OCCUPANCY = 3 OCCUPANTS
 3 OCCUPANTS X 4% = 0.12
 NO LESS THAN 2 RECEIVERS REQUIRED
 2 RECEIVERS SHALL BE PROVIDED

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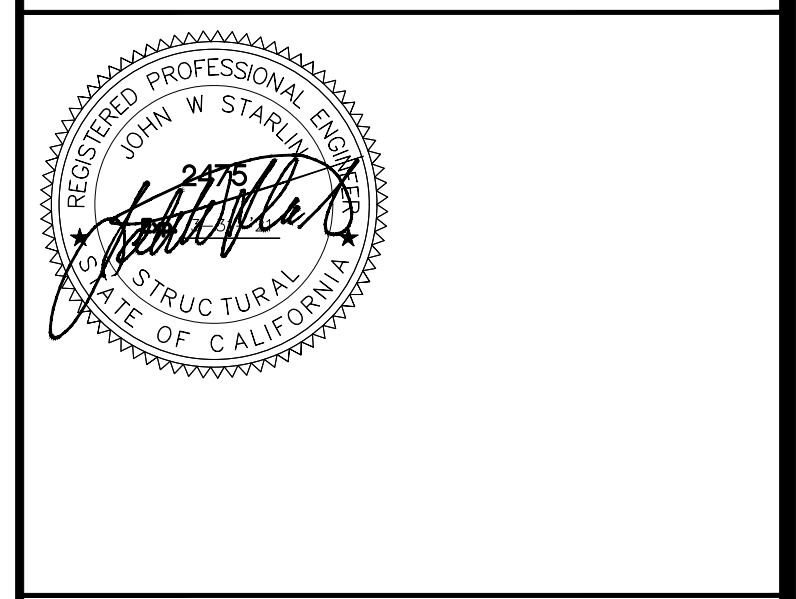
SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE
 (1) 72' x 60' OFFICE**

SHEET TITLE:
FLOOR PLAN



ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-119394 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 12/17/2020

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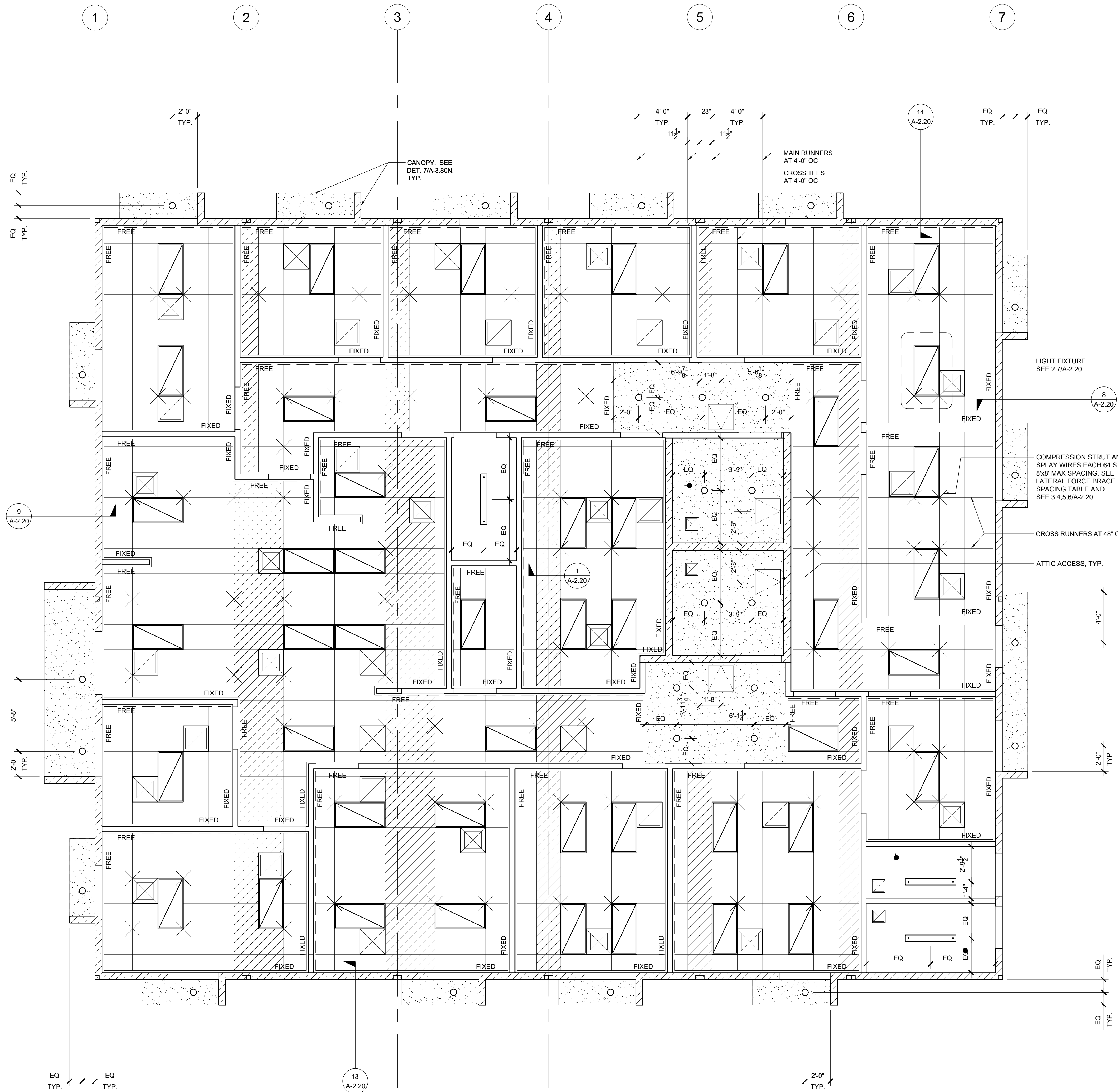
REVISIONS

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SILVER CREEK INDUSTRIES
 24' x 60'

PROJECT NO.
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 07.20.2020

SHEET NUMBER
A-1.03N



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SILVER CREEK

Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE**

SHEET TITLE:
**REFLECTED CEILING
PLAN**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

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DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
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DATE: 12/17/2020

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REVISIONS	
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SILVER CREEK INDUSTRIES
24' x 60'

PROJECT NO.
DRAWN BY:
SCALE: AS NOTED
DATE: 07.20.2020

SHEET NUMBER
A-2.03N

REFLECTED CEILING PLAN

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IMPERIAL VALLEY COLLEGE
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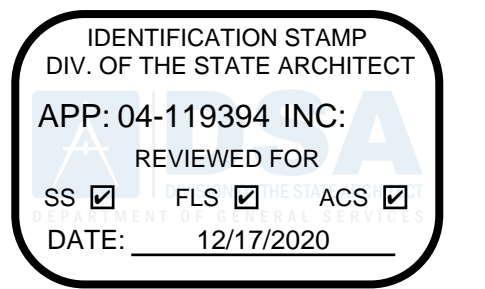
SHEET TITLE:

**ROOF PLAN
PARAPET
DUAL SLOPE**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL



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EQUIVALENT
PC SHEET**

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SILVER CREEK INDUSTRIES
24' x 60'

PROJECT NO:

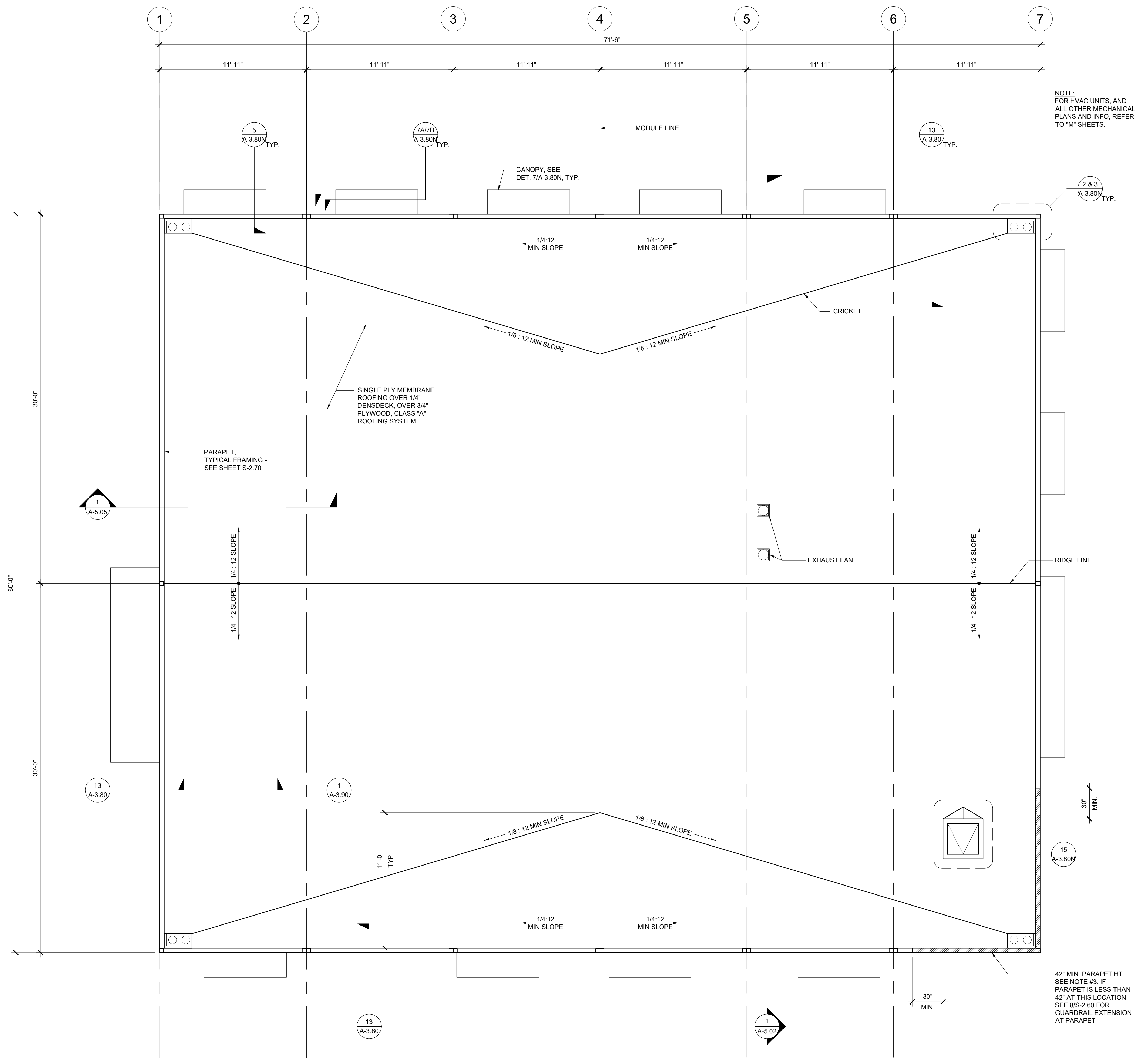
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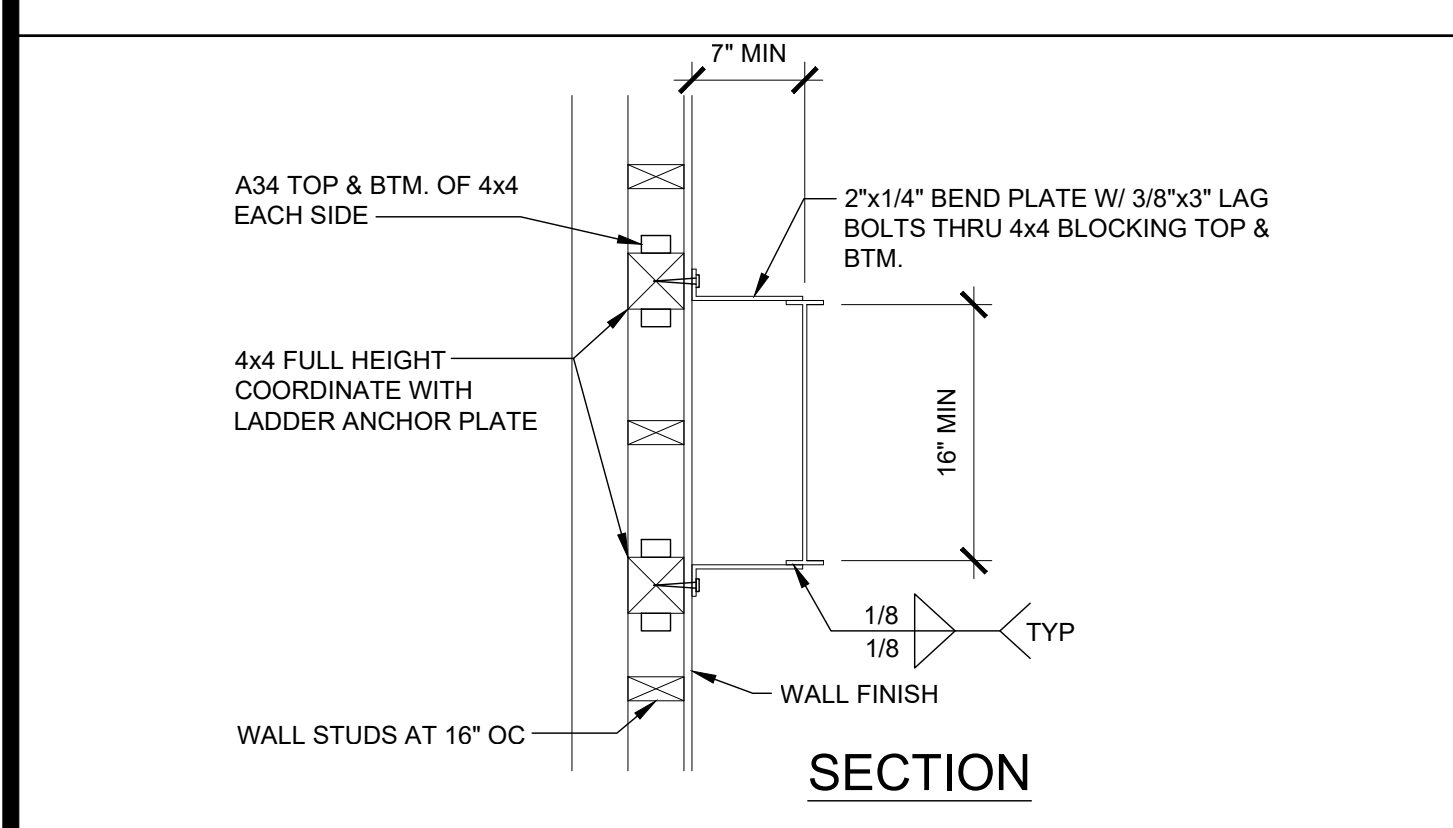
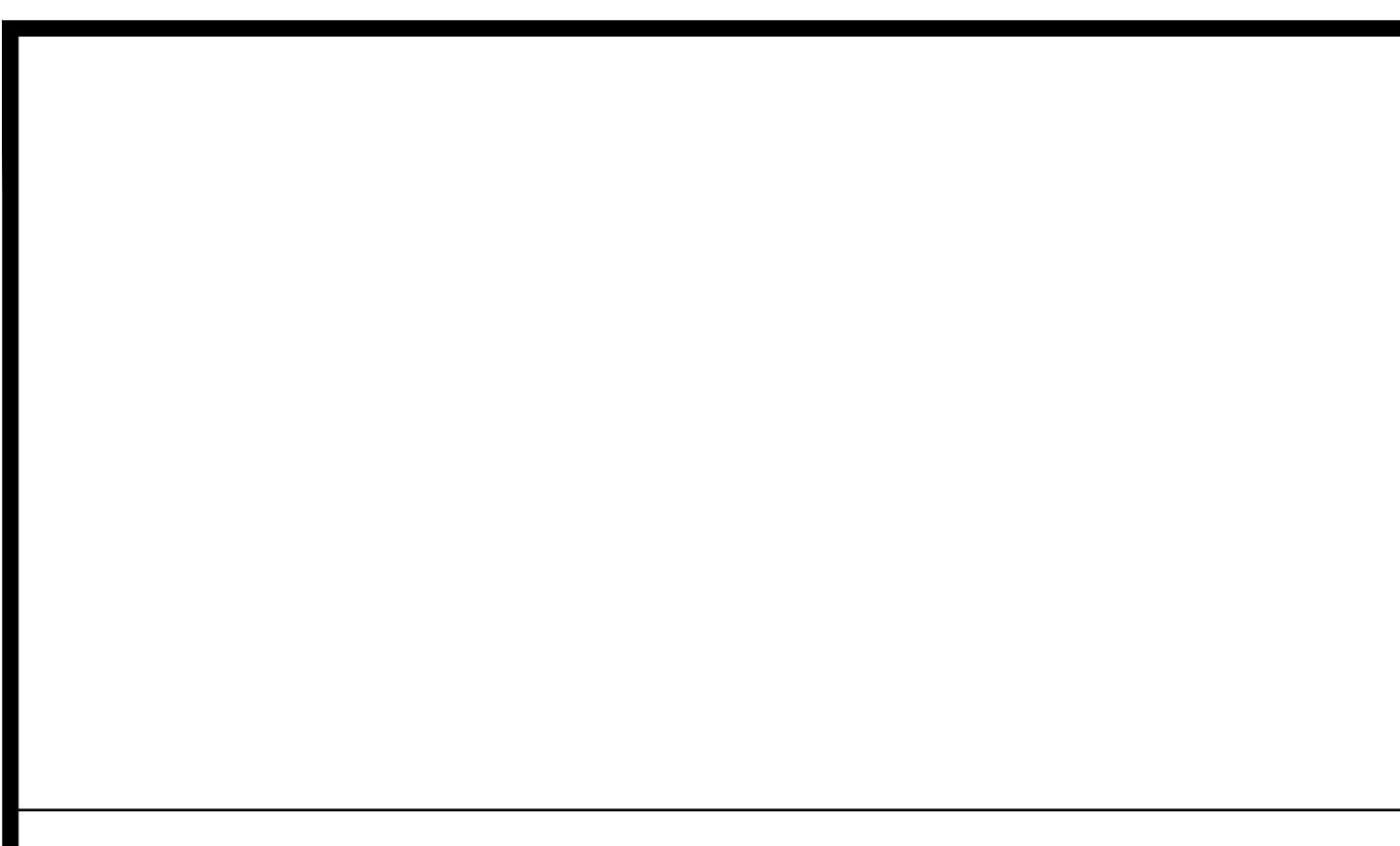
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A-3.33N

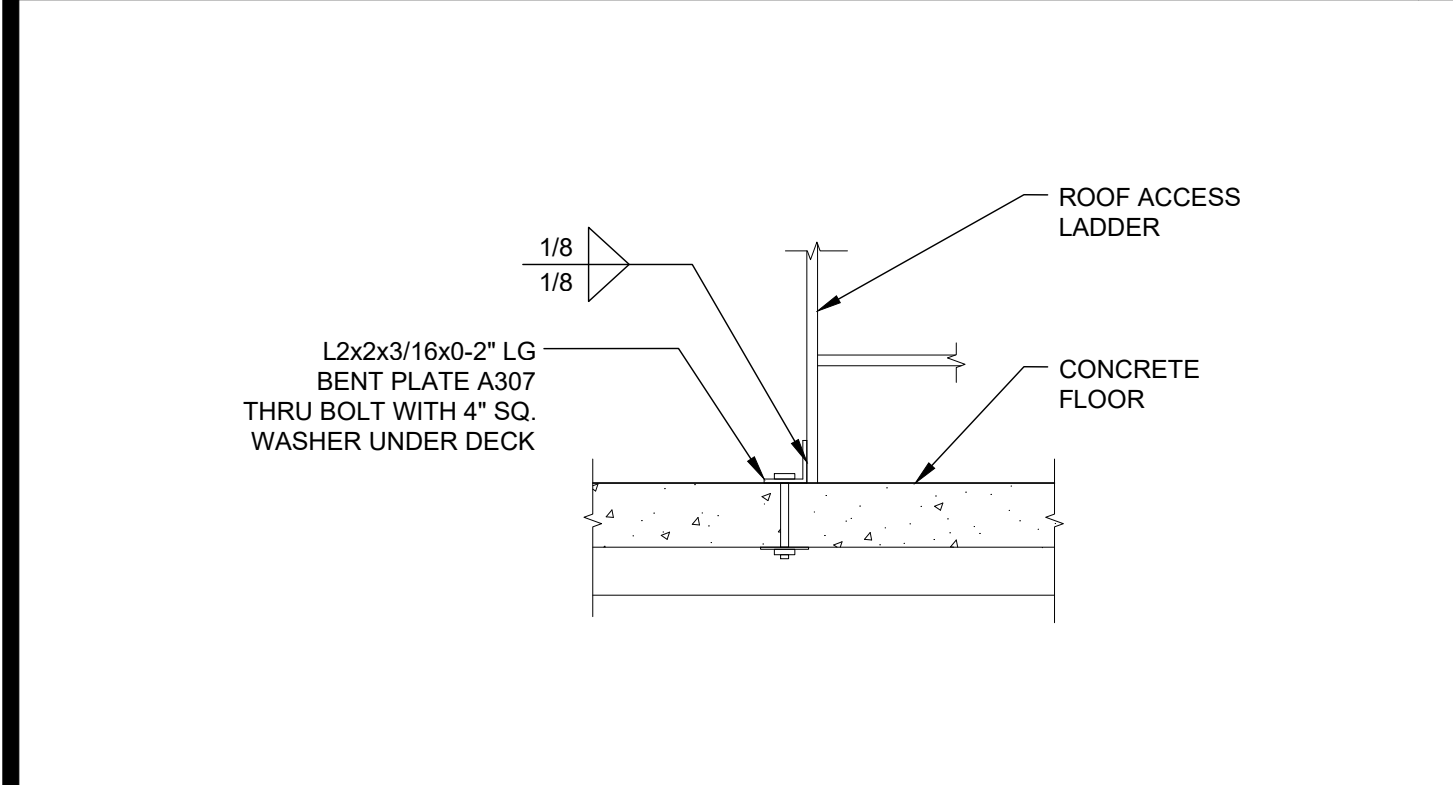


NOTE:
FOR HVAC UNITS, AND
ALL OTHER MECHANICAL
PLANS AND INFO, REFER
TO "M" SHEETS.

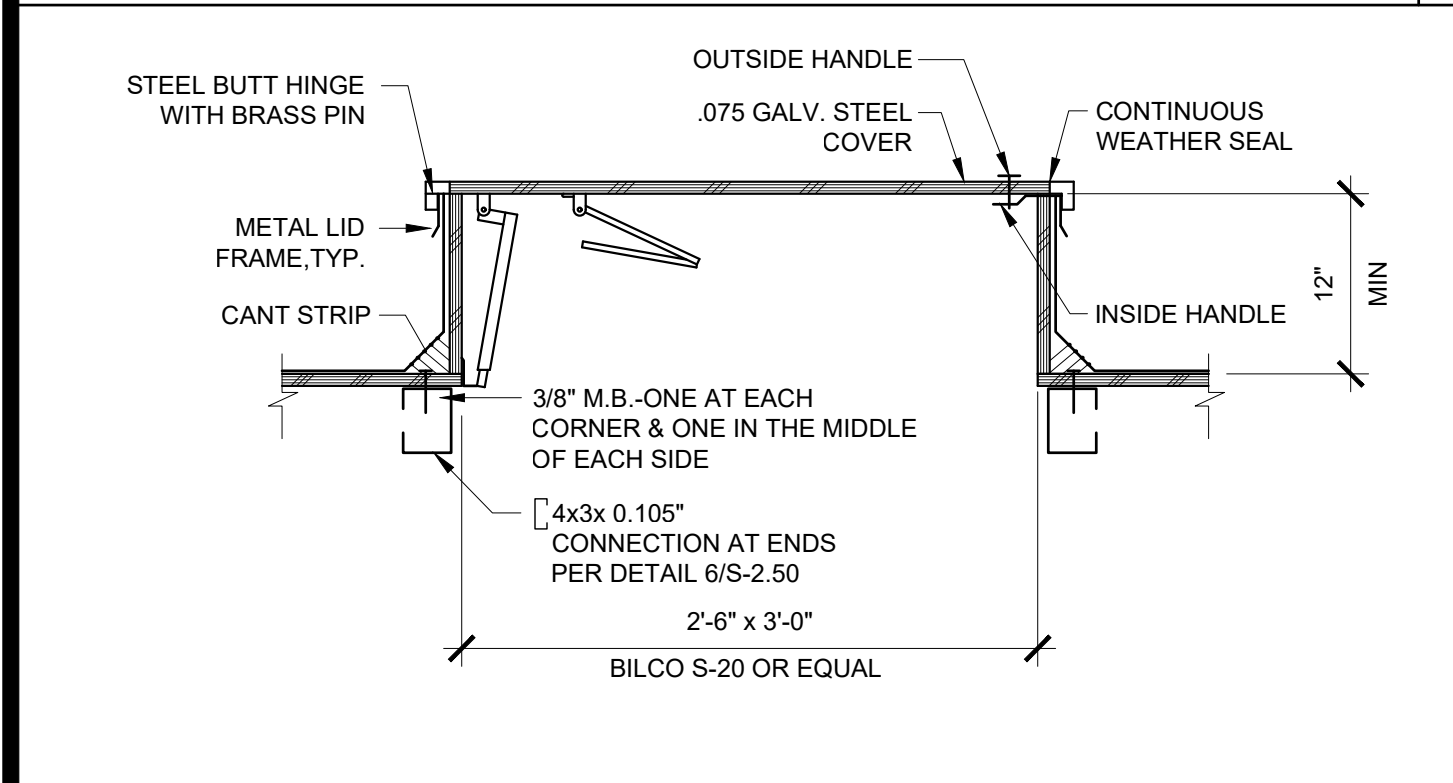
42" MIN. PARAPET HT.
SEE NOTE #3. IF
PARAPET IS LESS THAN
42" AT THIS LOCATION
SEE 8/S-2.60 FOR
GUARDRAIL EXTENSION
AT PARAPET



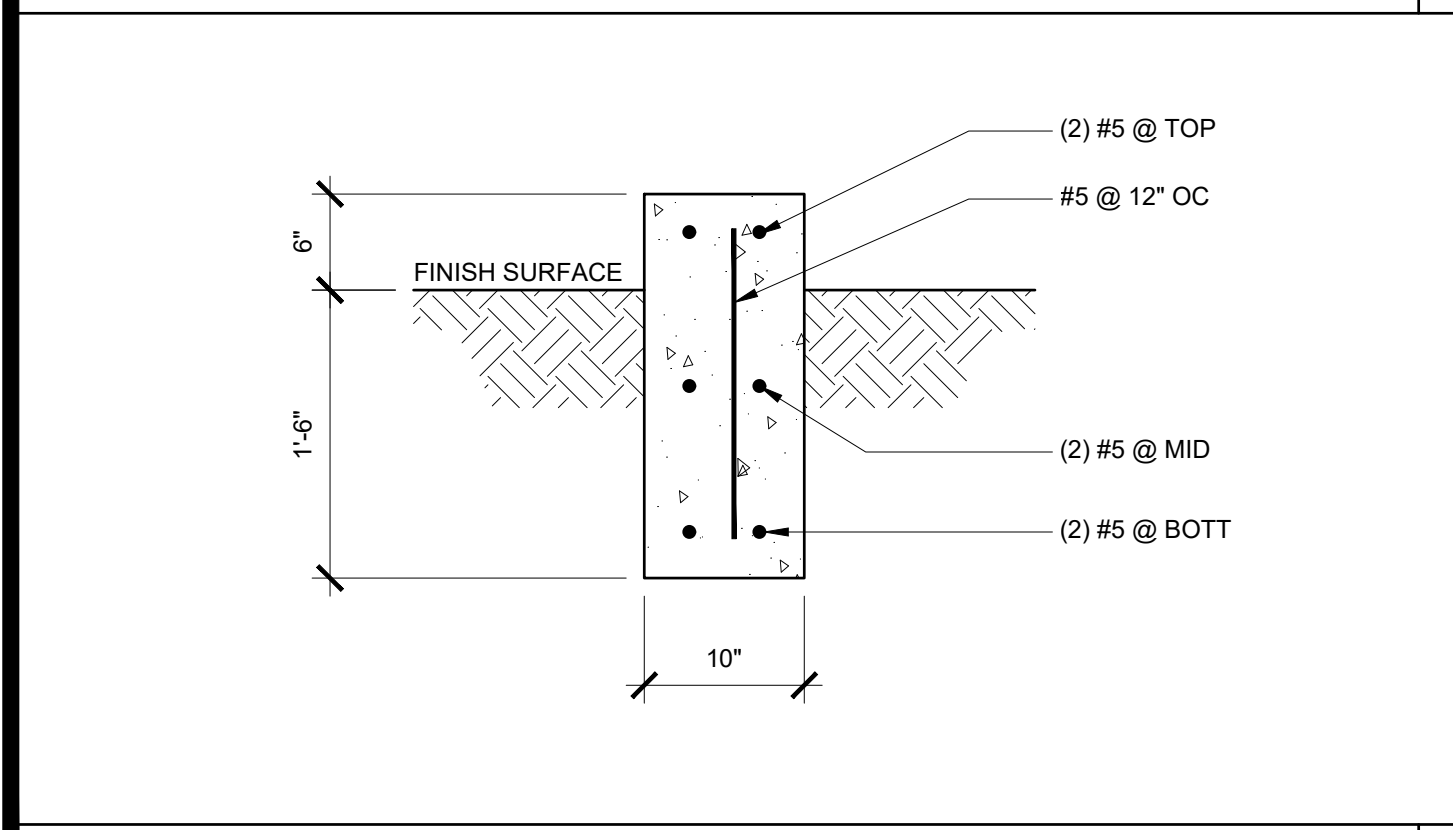
ROOF ACCESS LADDER ATTACHMENT N.T.S. 17



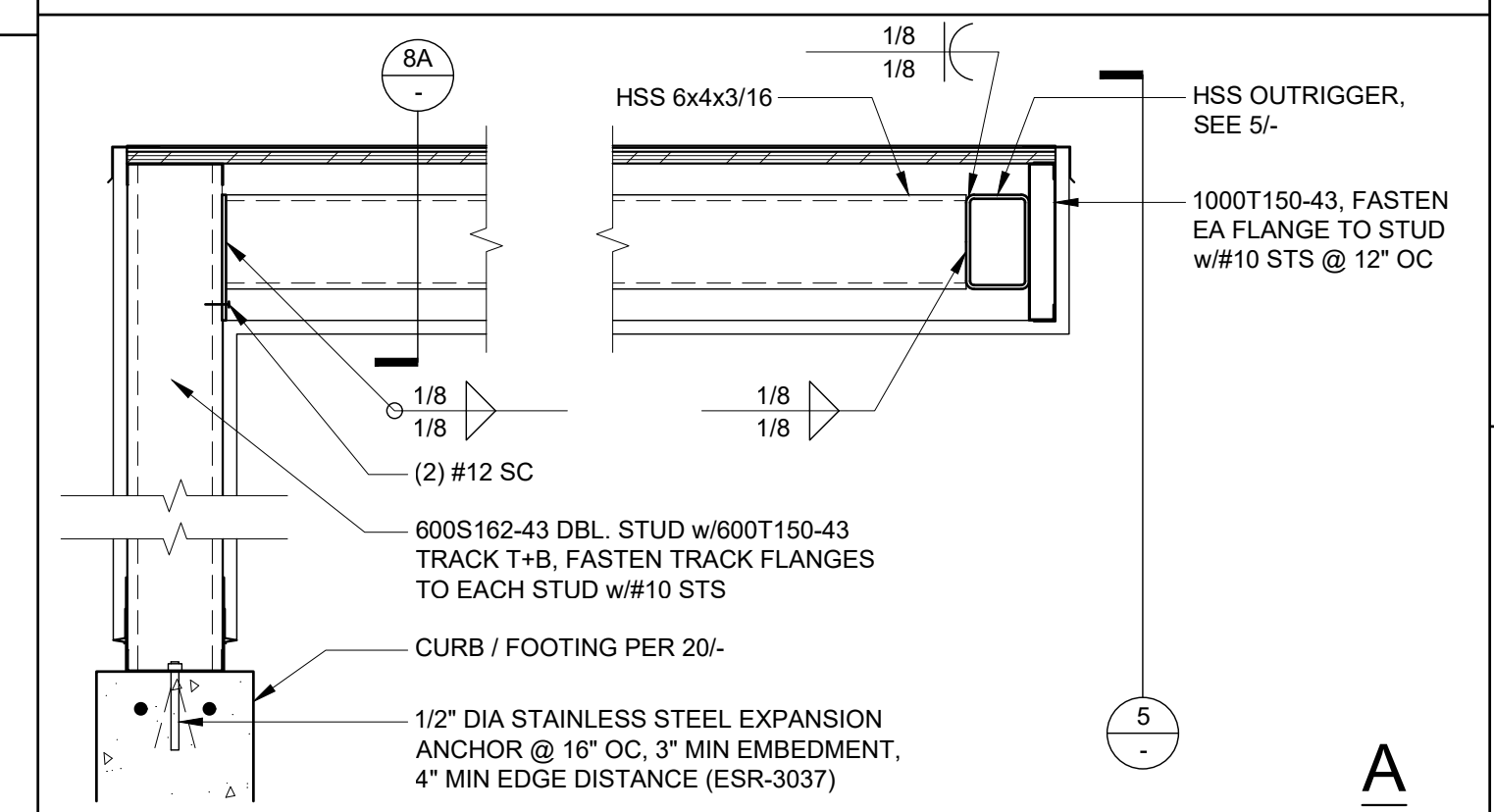
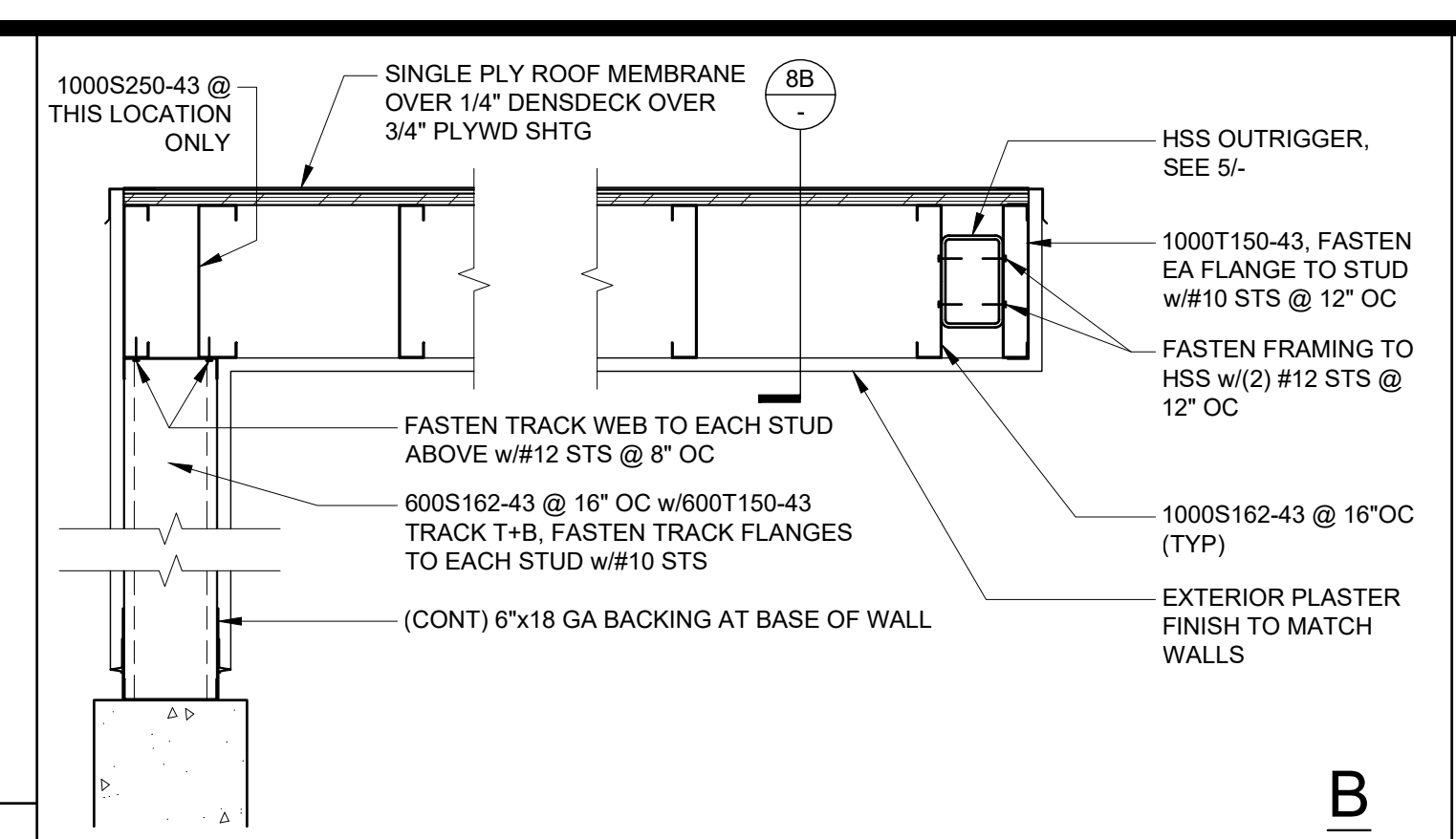
ROOF ACCESS HATCH N.T.S. 18



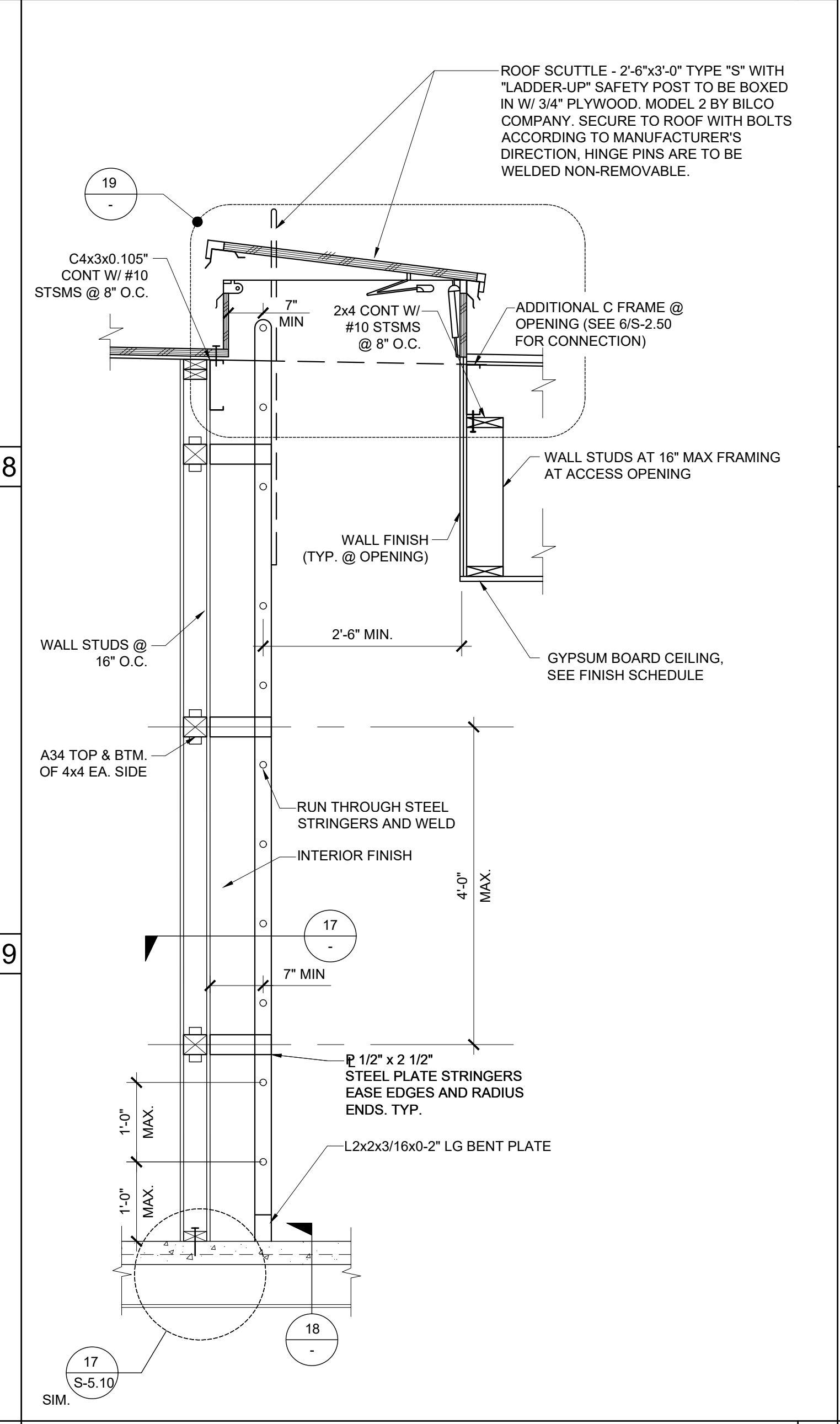
ROOF ACCESS HATCH N.T.S. 19



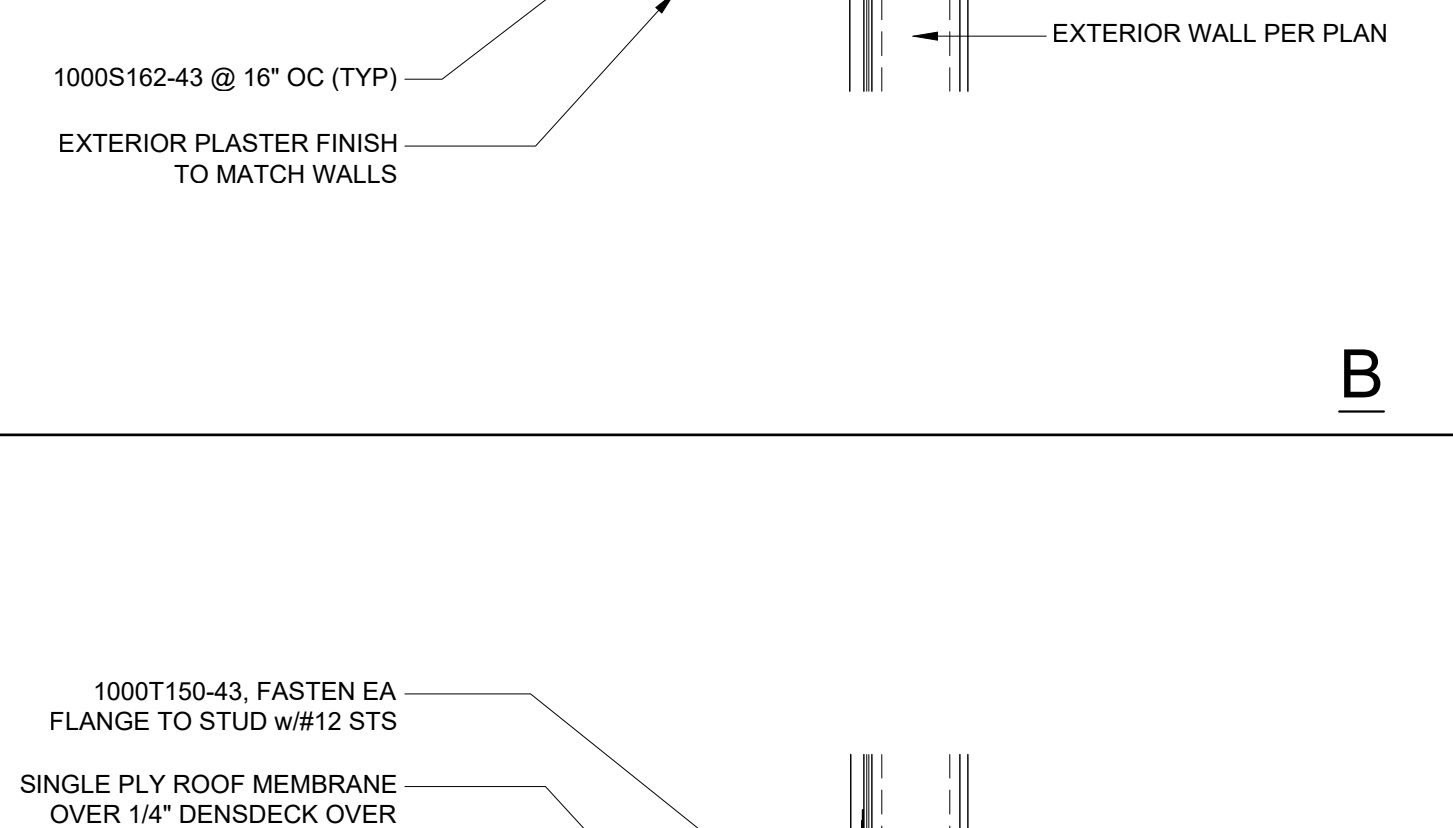
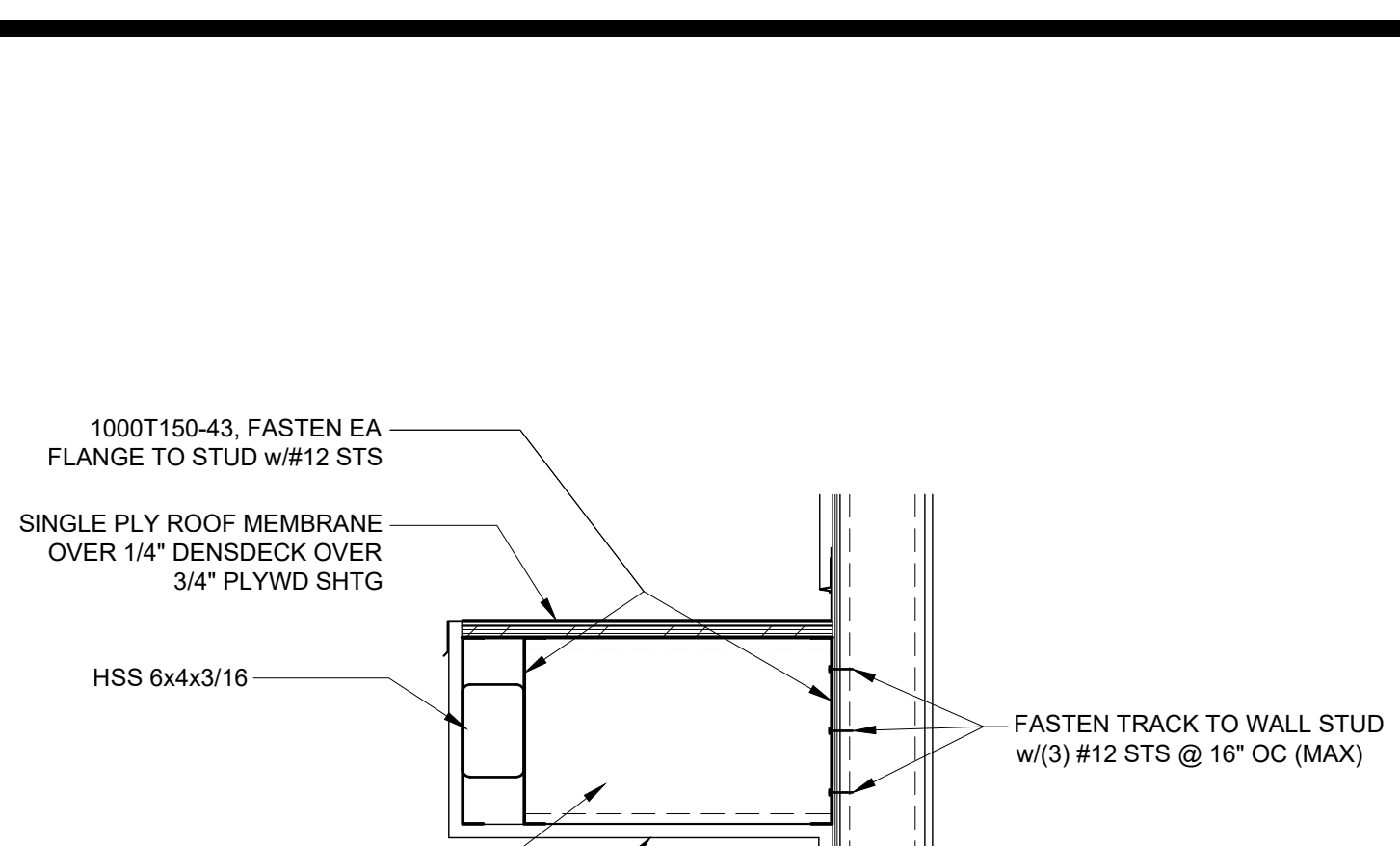
CURB / FOOTING AT CANOPY WALL 20



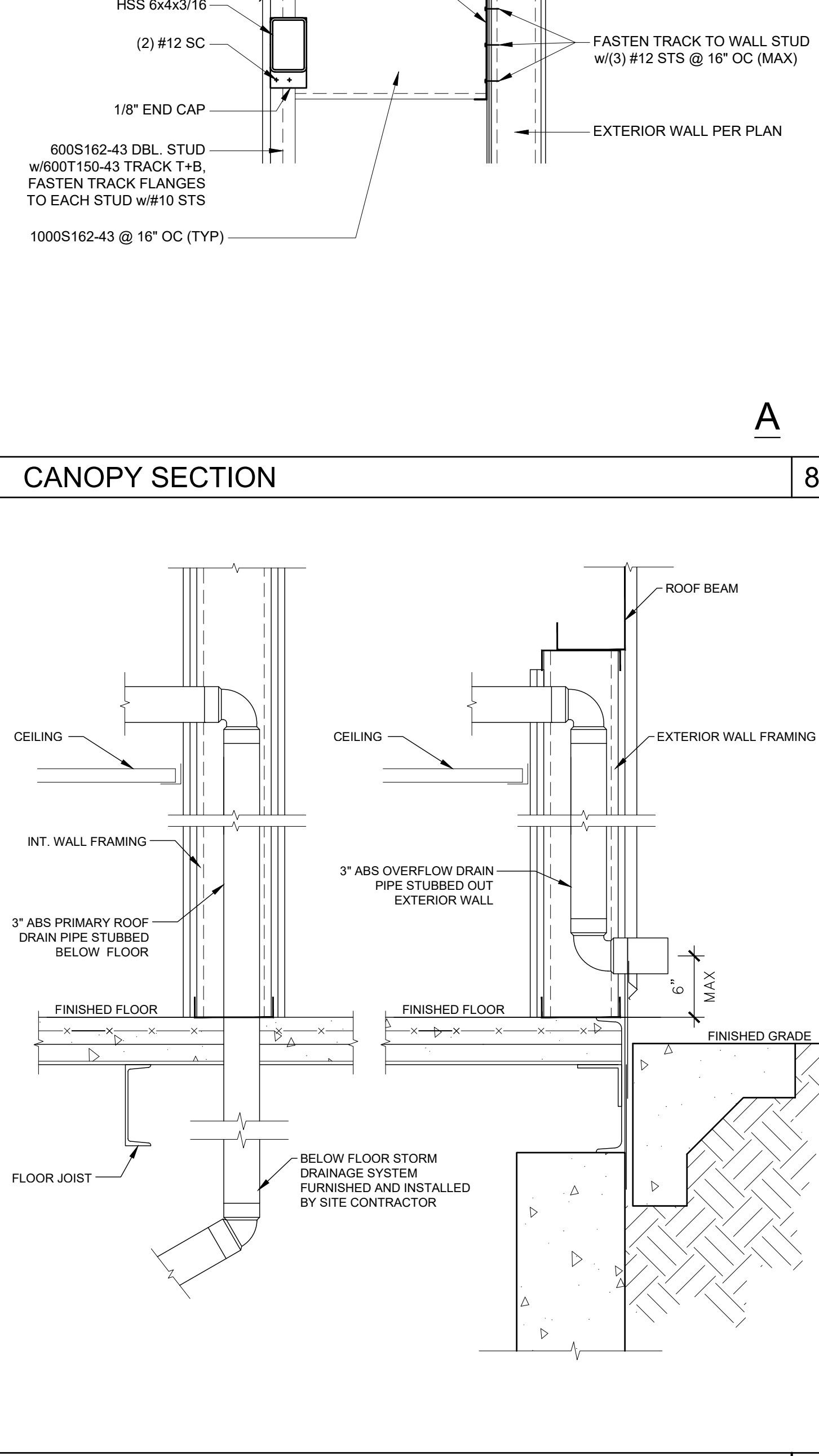
CANOPY SECTION 7



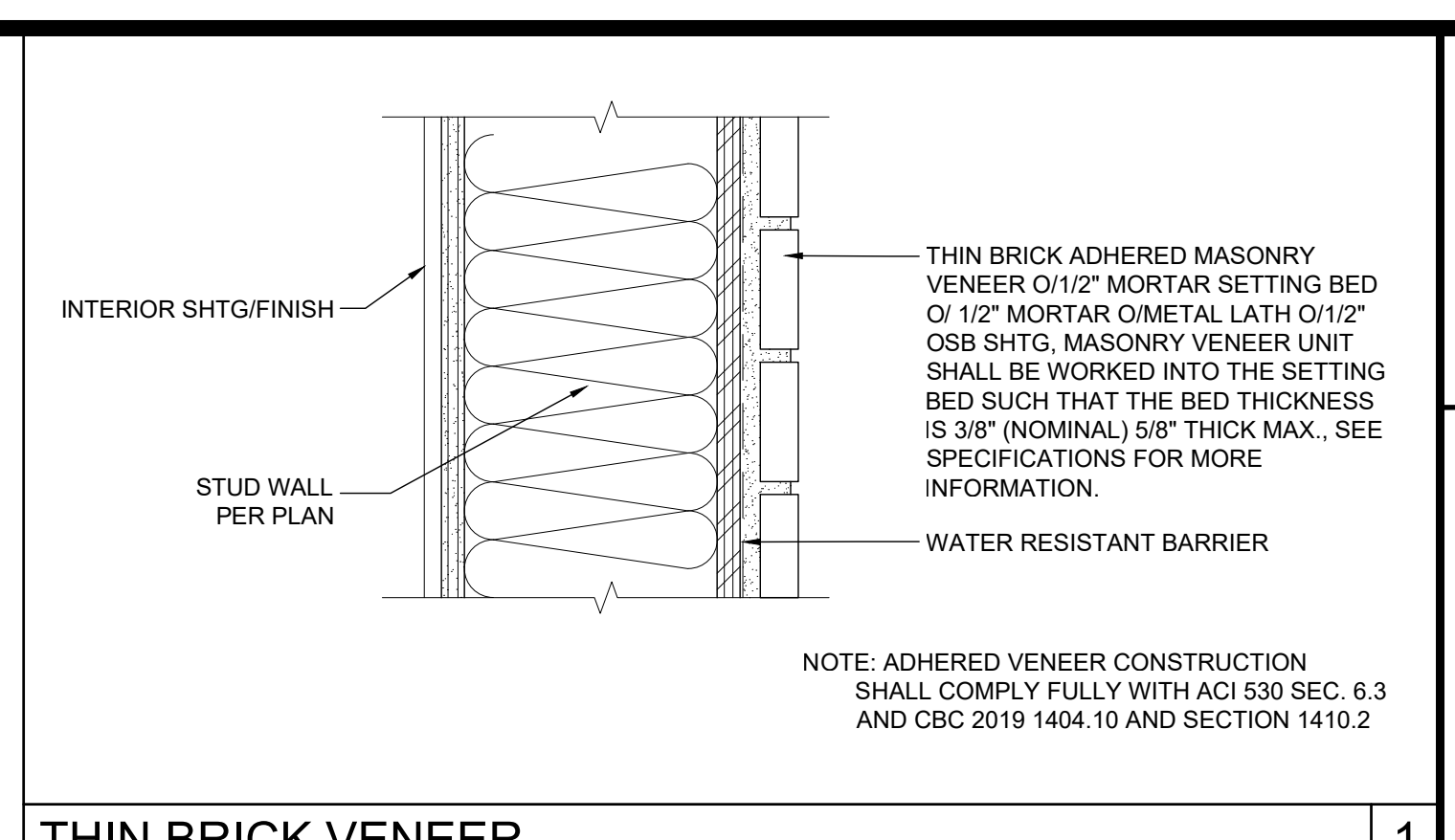
ROOF ACCESS LADDER & HATCH 15



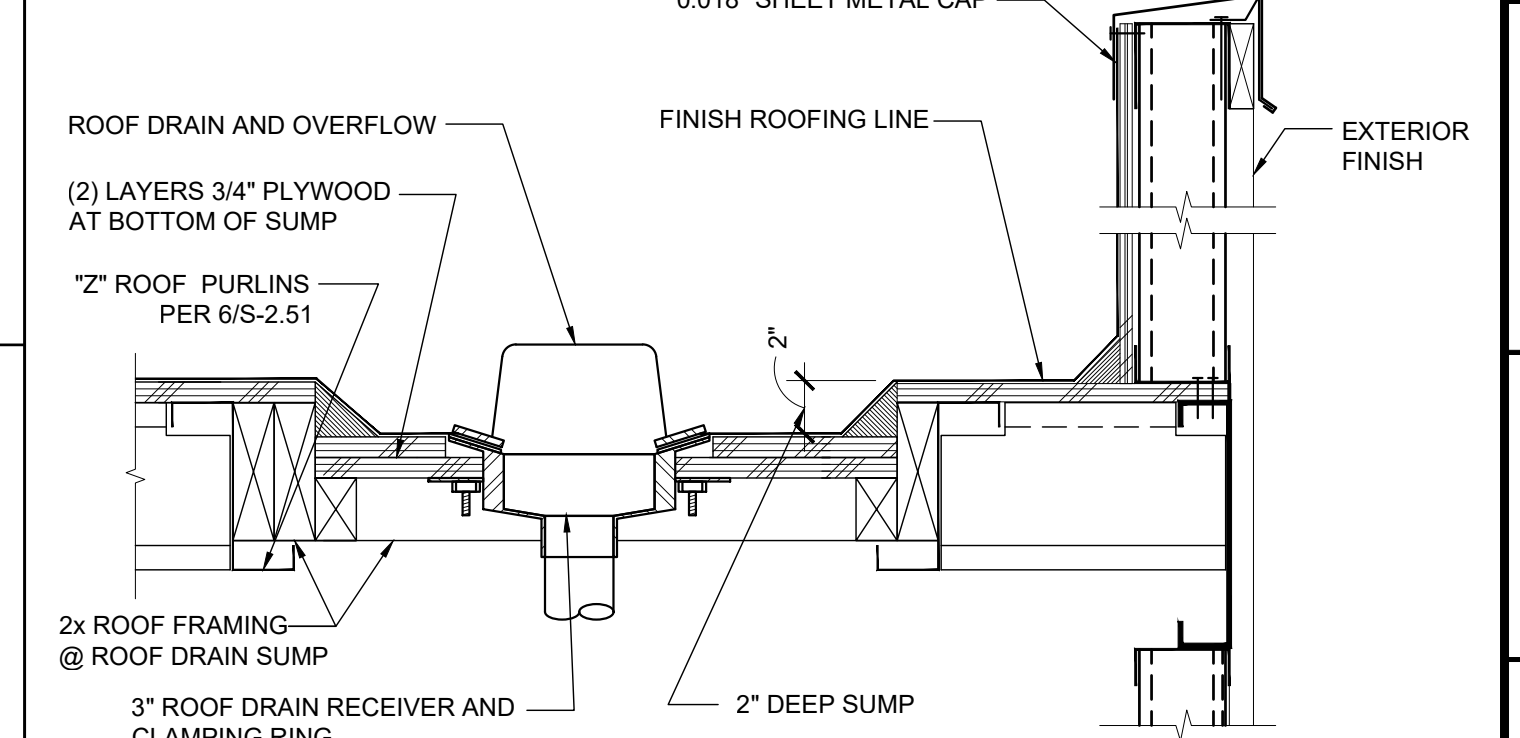
CANOPY SECTION 8



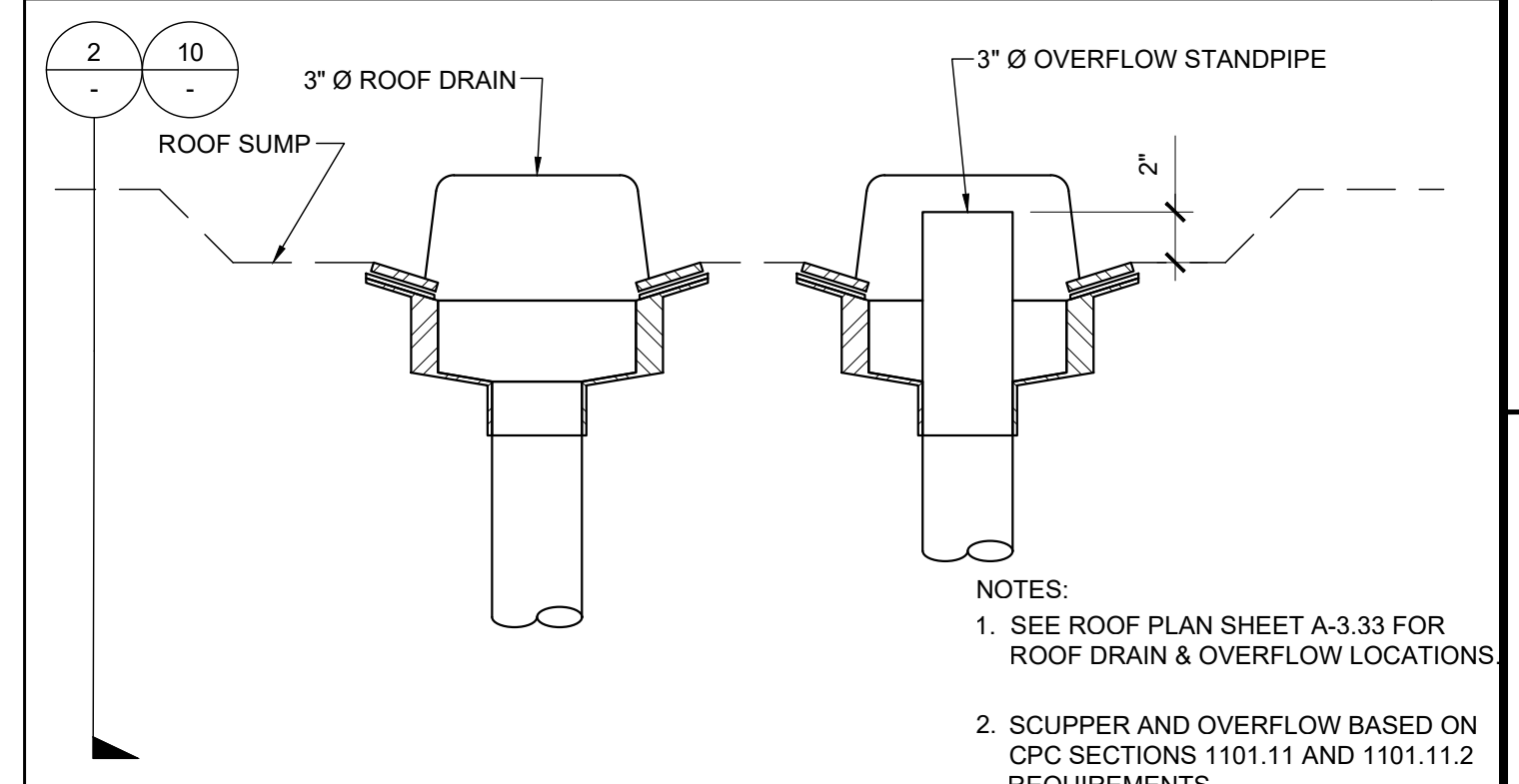
ROOF DRAIN DETAIL SCALE: 1 1/2" = 1'-0" 10



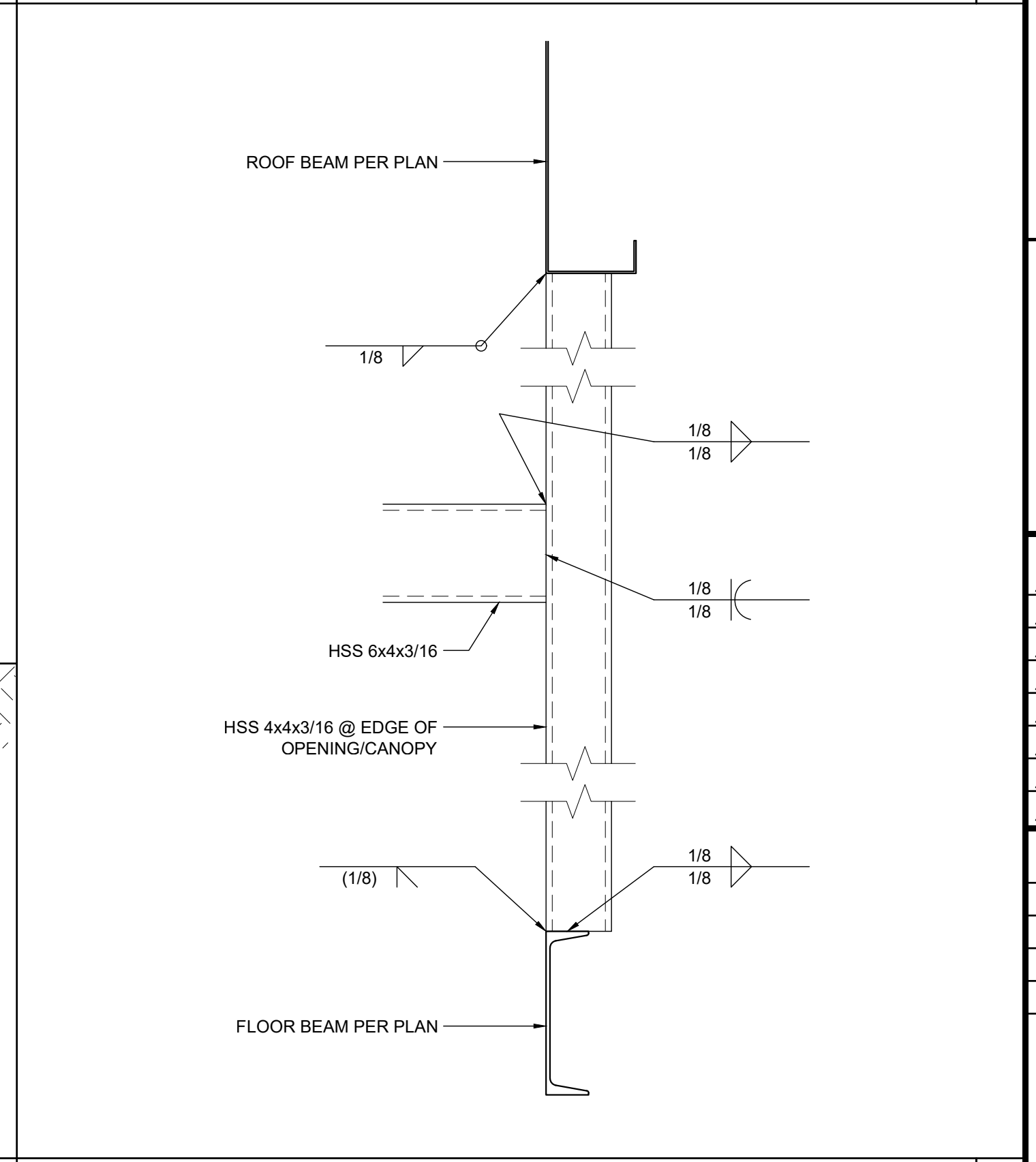
THIN BRICK VENEER 1



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



ROOF DRAIN & OVERFLOW DETAIL SCALE: 3" = 1'-0" 3



HSS POST AND OUTRIGGER AT CANOPY 5

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IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE**

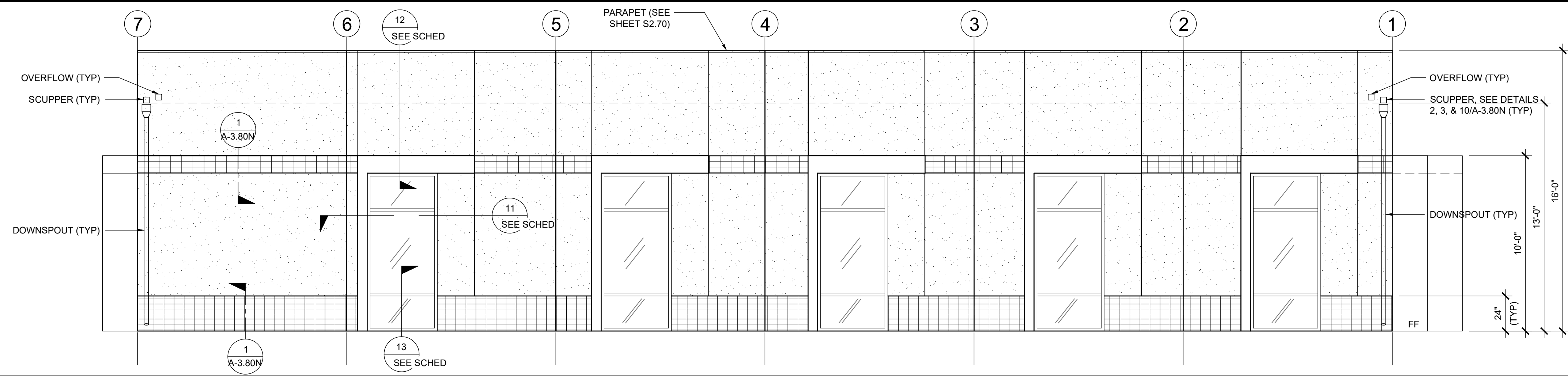
SHEET TITLE:
MISC. DETAILS

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

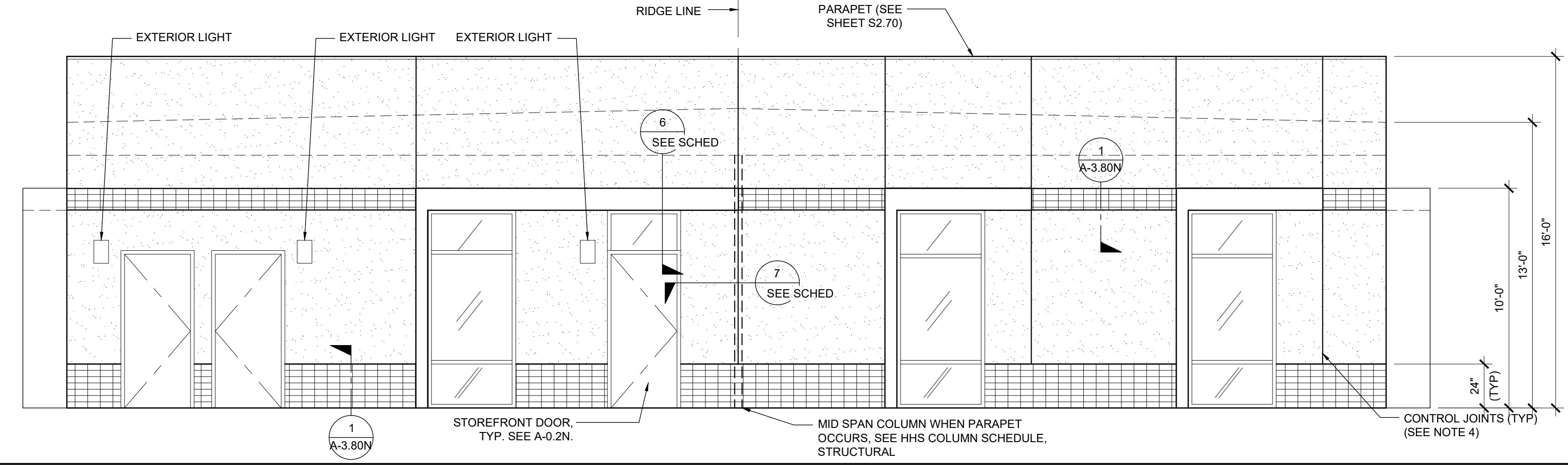
REVISIONS	
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SILVER CREEK INDUSTRIES 24' x 60'	
PROJECT NO.:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	07.20.2020
SHEET NUMBER	A-3.80N



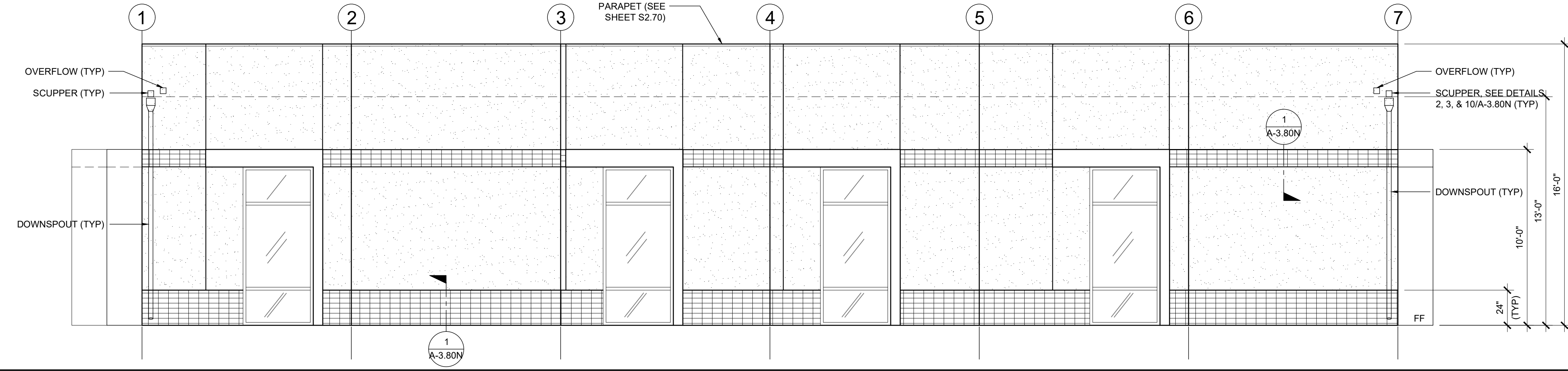
LEFT ELEVATIONS

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



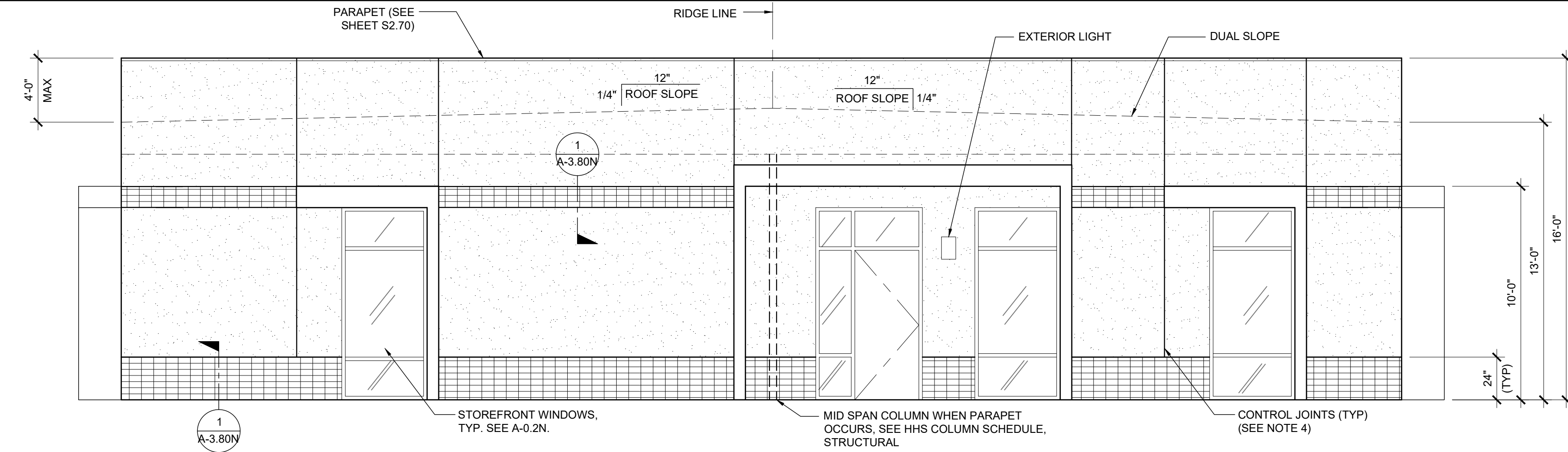
REAR ELEVATIONS

SCALE: 1/4" = 1' - 0" 3



RIGHT ELEVATIONS

SCALE: 1/4" = 1' - 0" 2



FRONT ELEVATIONS

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

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SILVER CREEK INDUSTRIES, INC.

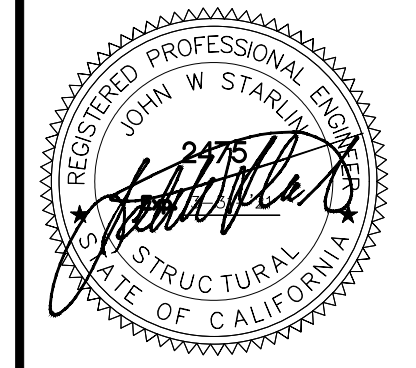


SILVER CREEK

Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE**

SHEET TITLE:
**EXTERIOR ELEVATION
PARAPET
DUAL SLOPE**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/17/2020

**REFER TO
EQUIVALENT
PC SHEET**

- FOR ELEMENTS NOT ON THIS "N" SHEET -

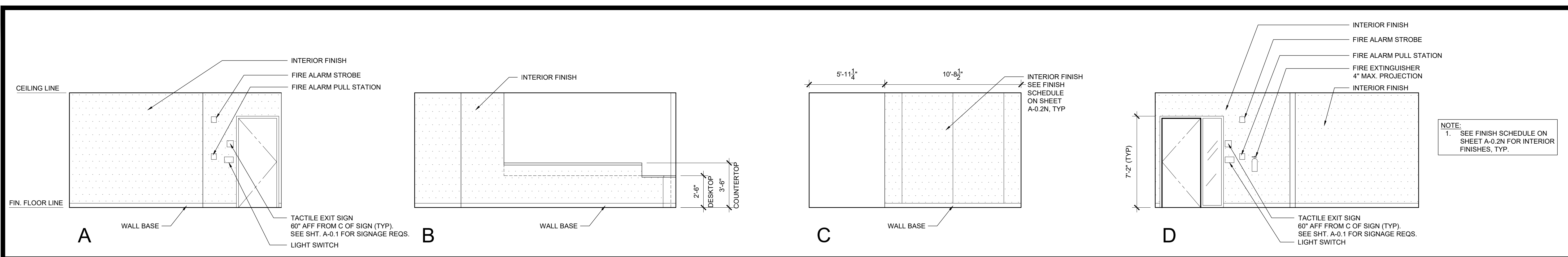
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SILVER CREEK INDUSTRIES
24' x 60'

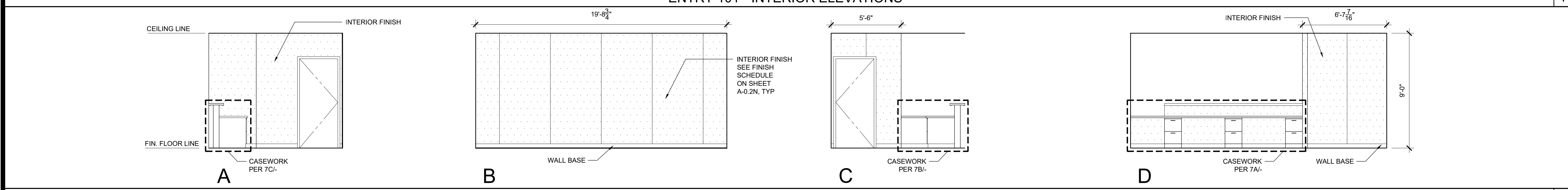
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 07.20.2020

SHEET NUMBER
A-4.23N



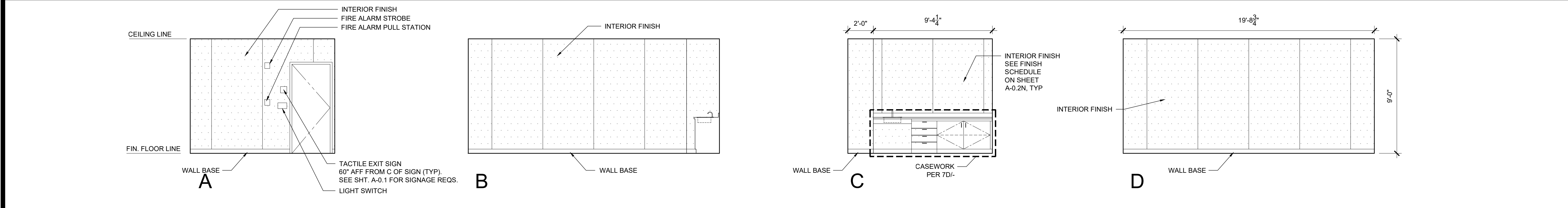
ENTRY 101 - INTERIOR ELEVATIONS

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



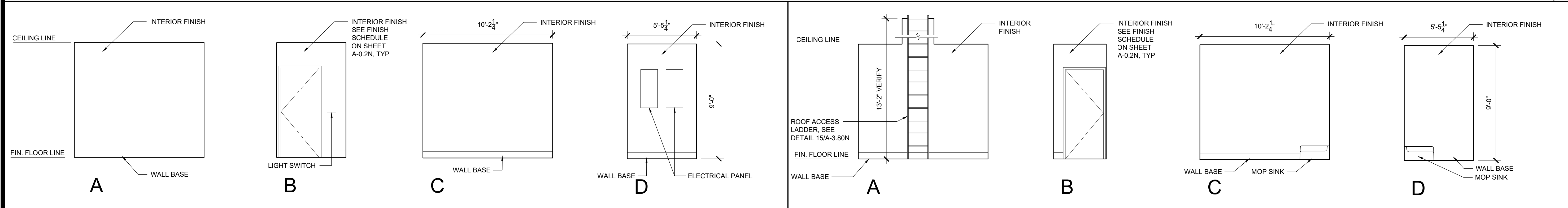
RECEPTIONIST / COPY ROOM 109 - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0" 2



CONFERENCE / BREAK ROOM 121 - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0" 3

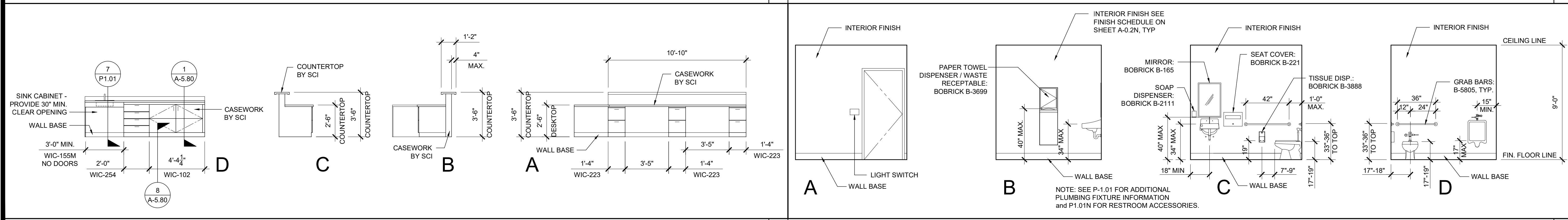


ELECTRICAL ROOM 112 - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0" 6

JANITOR ROOM 111 - INTERIOR ELEVATIONS

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



CASEWORK ELEVATIONS

SCALE: 1/4" = 1'-0" 7

ALL GENDER RESTROOM 124 - INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0" 5

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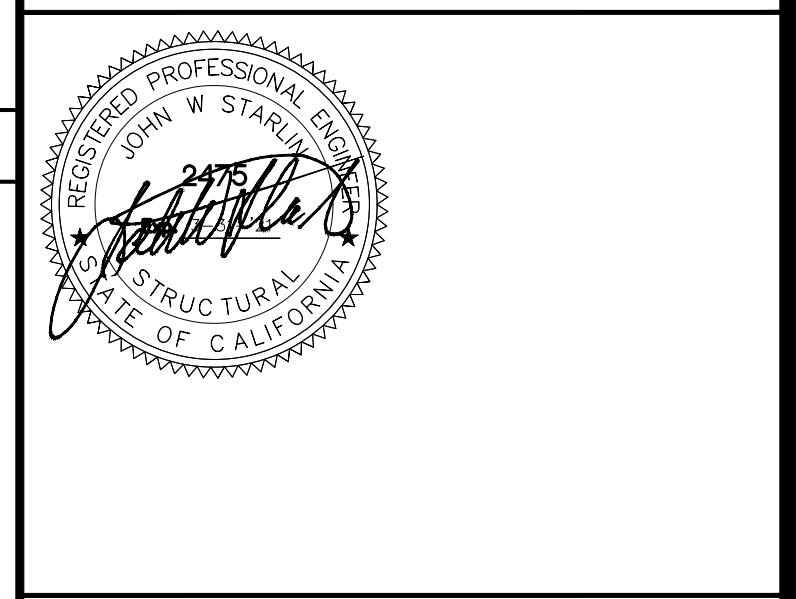
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE

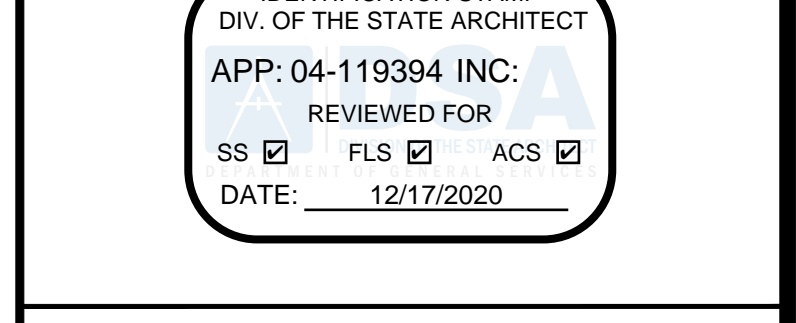
SHEET TITLE:

INTERIOR ELEVATION



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

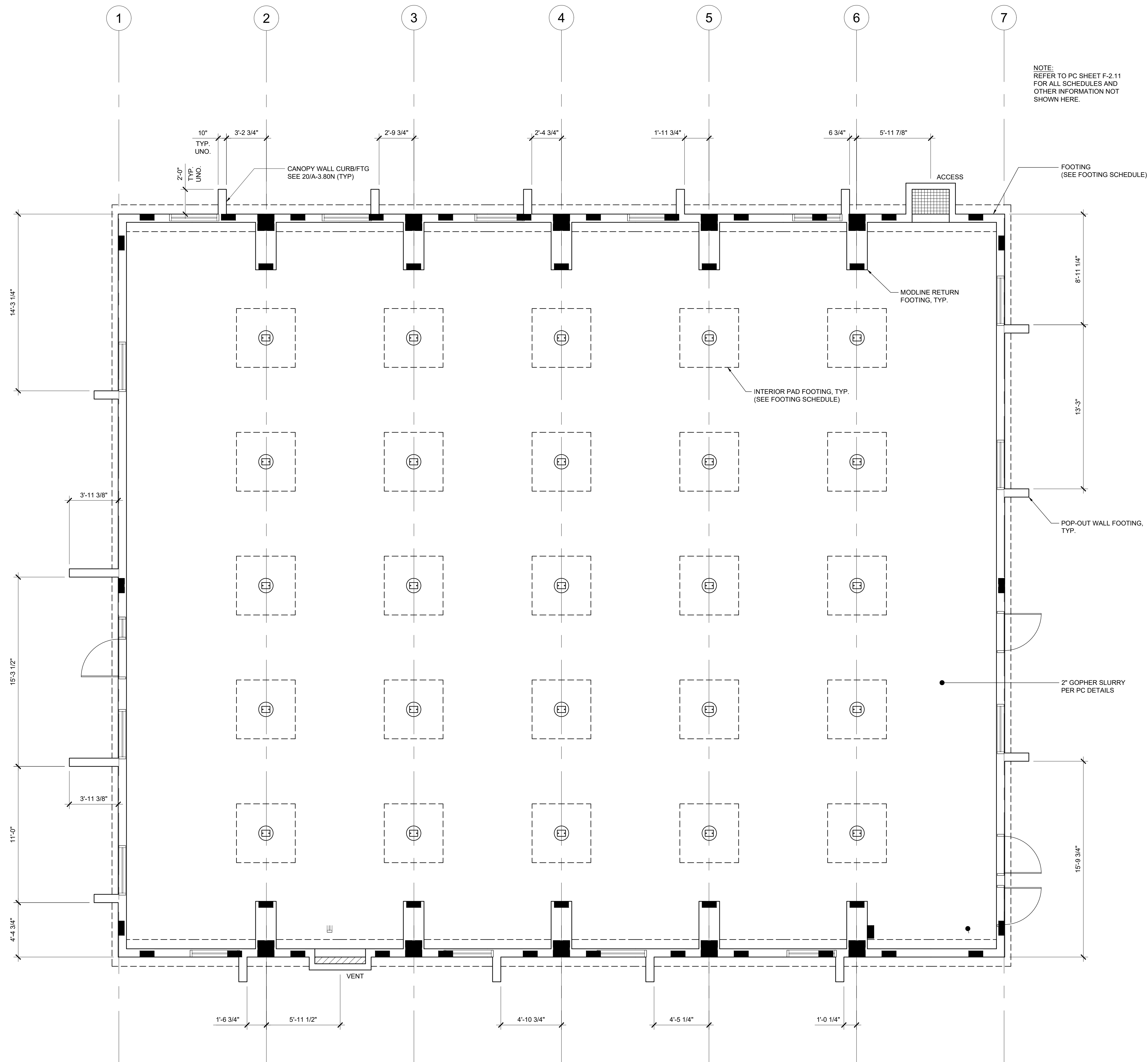


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REVISIONS

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SILVER CREEK INDUSTRIES
24' x 60'
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 07.20.2020
SHEET NUMBER
A-6.04N



NOTE:
REFER TO PC SHEET F-2.11
FOR ALL SCHEDULES AND
OTHER INFORMATION NOT
SHOWN HERE.

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SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE

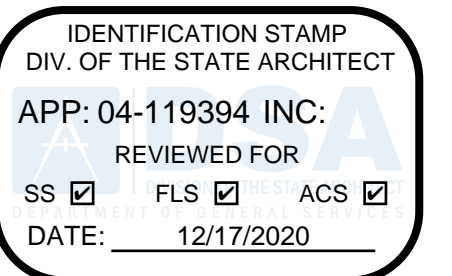
SHEET TITLE:

**CONCRETE
FOUNDATION
KEY PLAN**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL



**REFER TO
EQUIVALENT
PC SHEET**

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SILVER CREEK INDUSTRIES
24' x 60'

PROJECT NO.:

DRAWN BY:

SCALE: AS NOTED

DATE: 07.20.2020

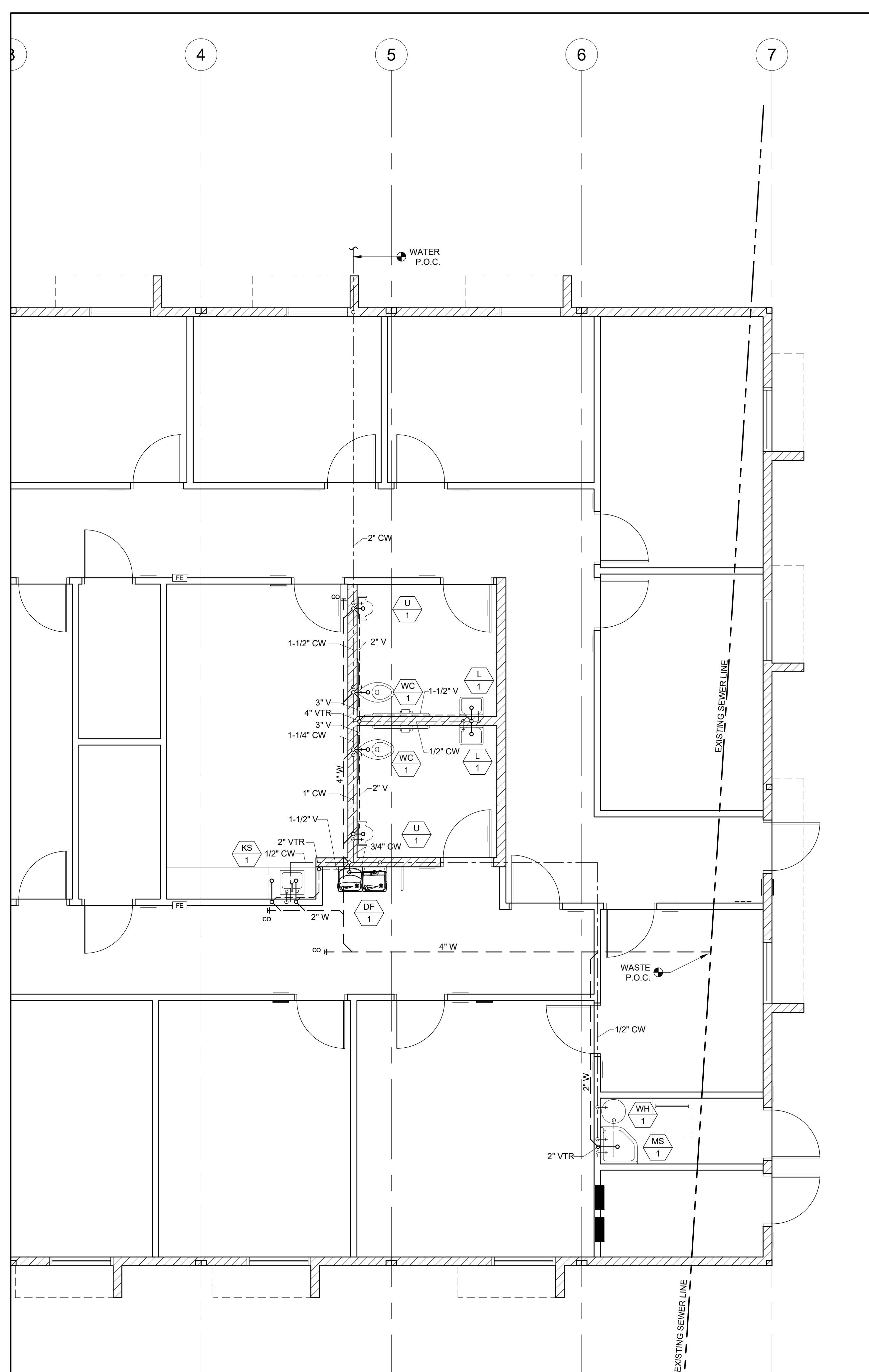
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F-2.11N

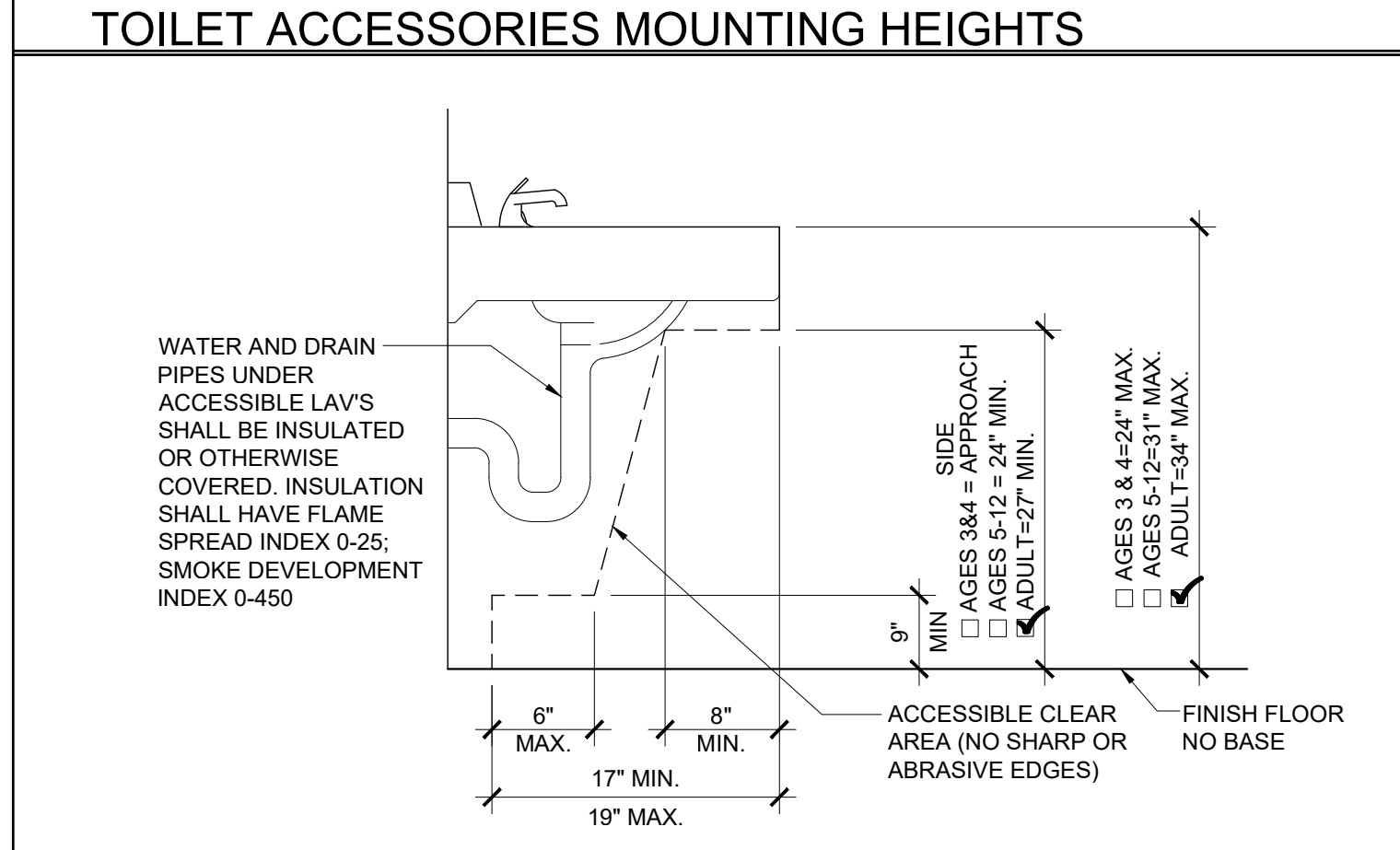
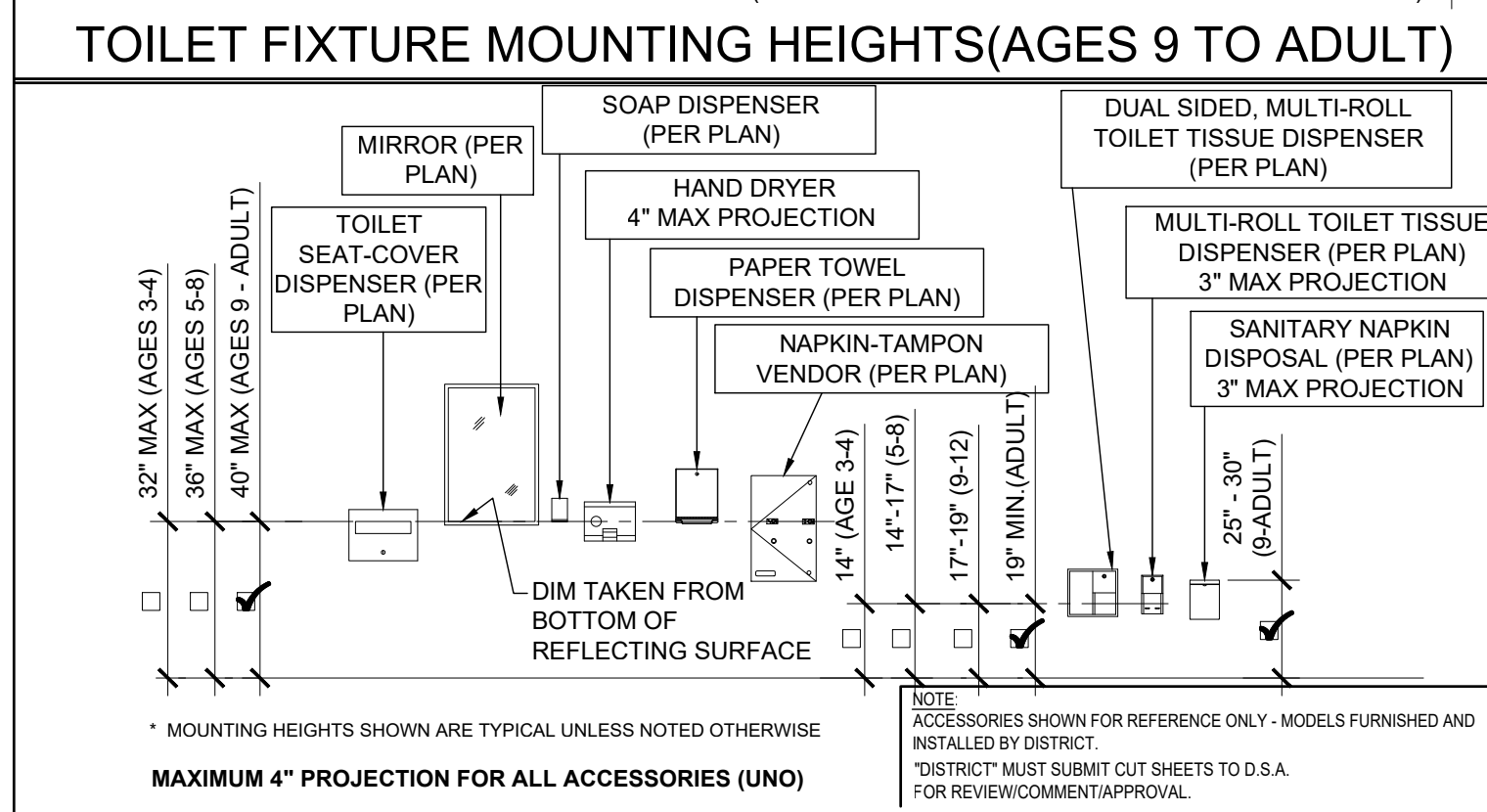
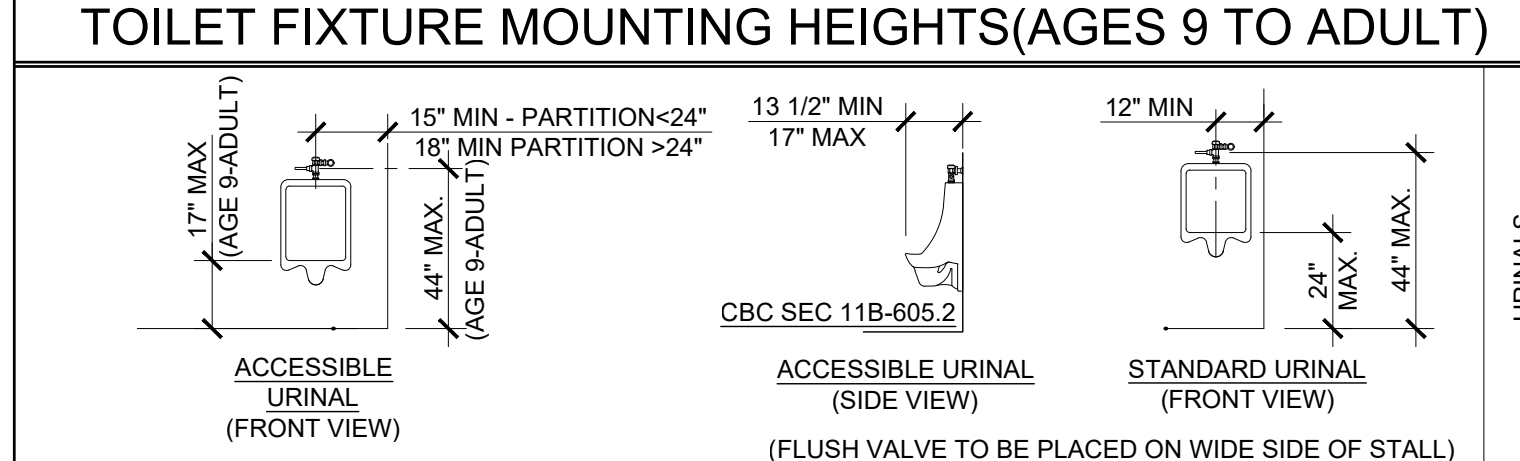
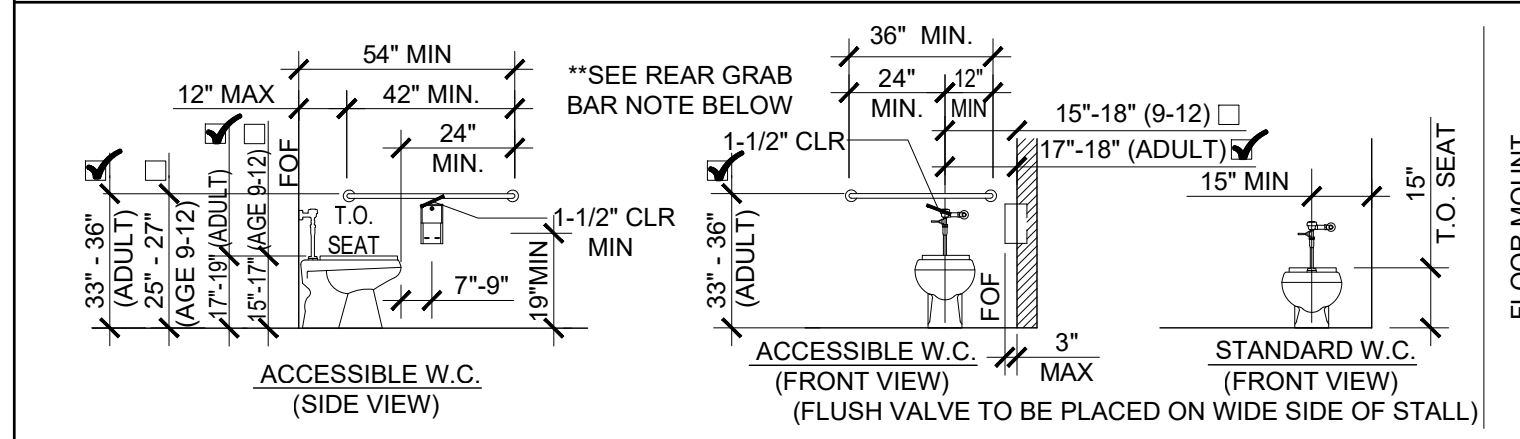
FOUNDATION PLAN VENT KEY PLAN

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

BATHROOM ACCESSORIES			
TOILET TISSUE DISPENSER	B-3888	5412	TTD-6
SURFACE MOUNTED SEAT COVER (NON-ACCESSIBLE STALLS)	B-221		
MALE TOILET COMPARTMENT (COMBO SEAT COVER, TISSUE DISPENSER SANITARY DISPOSAL)	B-347		
FEMALE TOILET COMPARTMENT (COMBO SEAT COVER, TISSUE DISPENSER SANITARY DISPOSAL)	B-347		
RECESSED UNISEX/FEMALE TISSUE DISPENSER, SANITARY DISPOSAL	B-3094		
RECESSED SANITARY NAPKIN DISPOSAL	B-353		
SURFACE MTD SANITARY NAPKIN DISPOSAL	B-254		
SOAP DISPENSER (LIQUID)	B-2111	6542	G-58AP
PAPER TOWEL DISPENSER (RECESSED)	B-359	244	TD-3
PAPER TOWEL DISPENSE (SURFACE MTD)	B-262	250-15	TD-2
PAPER TOWEL DISPENSER/WASTE (SURFACE MOUNTED)	B-3699		
CLOTHES HOOK (UNLESS FURNISHED W/ PARTITION SYSTEM)	B-2116	9119	RH-25
MOP RACK	B-223	9953	MS SERIES
NAPKIN DISPENSER (RECESSED)	B-3706-25	401-45	NV-1
PROTECTION FOR DISABLED-PERSON AT LAVS: LAVGUARD2 MFR BY TRUEBRO, INC			



SYMBOL	FIXTURE	COLD WATER	HOT WATER	WASTE	VENT	FIXTURE DESCRIPTION
						(AS CALLED OUT OR APPROVED EQUAL)
WC 1	[ADULT] WATER CLOSET FLOOR MTD/ AUTO FLUSH W/ MAUNUAL OVERRIDE BUTTON (ACCESSIBLE)	1"	-	3"	2"	STD. AMERICAN STANDARD 3043.001 (1.28 GPF) ALT. KOHLER K-9657, SLOAN ST-2029, ZURN Z5865-BWL-1 16 3/4" HIGH, VITREOUS CHINA W/POLYVINYL CHLORIDE BOLT CAPS. ELONGATED BOWL. FLUSH VALVE: BY ROYAL 111-1.28 MANUAL 1.28 GPF SEAT: CHURCH, 9500CT OPEN FRONT
U 1	URINAL (ACCESSIBLE)	1/2"	-	2"	1 1/2"	STD. SLOAN WES-4000 VITREOUS CHINA WATERFREE.
LAV 1	LAVATORY (ACCESSIBLE)	1/2"	-	2"	1 1/2"	STD. AMERICAN STANDARD: 0355.012. 20"x18" VITREOUS CHINA ALT. ZURN Z5844-CB FAUCET: CHICAGO 3600-E39VPAB ALT. ZURN Z28100-XL-CP4 SINGLE WATER INLET SELF CLOSING, VANDAL BASE PLATE & CHROME PLATED FINISH. ZURN Z-1254 CONCEALED ARM
TP 1	TRAP PRIMER	1/2"	-	-	-	PR-500 WITH 8"x12" LOCKABLE BOX, 1/2" BALL SHUT-OFF VALVE, AND PPP DU-U FRESH WATER DISTRIBUTION SYSTEM
GB 1	GRAB BAR	-	-	-	-	BOBRICK B-5906-1-1/4 OC STAINLESS STEEL GRAB BAR - SATIN FINISH; 36" LONG ON BACK AND 42" ON SIDE. OPTIONAL 24" @ REAR @ HEIGHTS OTHER THAN ADULT
MR 1	MIRROR	-	-	-	-	BOBRICK B-1556 RETURNED MIRRORS STAINLESS STEEL 18GA 18"x24" x 1/8" SHEET METAL MANUFACTURED OR APPROVED EQUAL
KS 1	KITCHEN SINK	1/2"	1/2"	2"	1 1/2"	DL-ADA-2233-A-GR-4-5-5-DCR DROP IN DOUBLE BOWL SINK W FAUCET LEDGE, FAUCET ADA* JUST JSFN6MAC. PLO25 GARBAGE DISPOSAL 1/2 HP FAUCET: CHICAGO 201-AGN8AE2805FAB
WH 1	WATER HEATER	3/4"	3/4"	-	-	19 GALLON BY BRADFORD WHITE, ELECTRIC
MS 1	MOP SINK	1/2"	1/2"	2"	1 1/2"	KOHLER K-6710 "WHITBY" 28"x28" CAST IRON W/ CHICAGO FAUCET 956-R, 853 WALL HOOK, AND 2" K-9142 STRAINER
DF 1	DRINKING FOUNTAIN	1/2"	-	2"	1 1/2"	HAWS MODEL 1212SF WALL MOUNT HI-LO ADA FILTERED WATER COOLER W/BOTTLE FILLER
WHA 1	WATER HAMMER ARRESTOR	1"	-	-	-	JAY R SMITH: S500'S



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SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE**

SHEET TITLE:
**PLUMBING DETAILS
AND SCHEDULE**

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/17/2020

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SILVER CREEK INDUSTRIES
24' x 60'

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 07.20.2020

SHEET NUMBER
P-1.01N

IMPERIAL VALLEY SCHOOL DISTRICT IMPERIAL VALLEY COLLEGE HVAC

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SILVER CREEK


Building for the Next Generation



2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

EQUIPMENT & MATERIAL

DRAWING SYMBOLS

DRAWING LIST


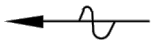





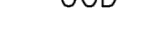
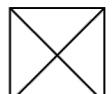















 DAY & NIGHT MODEL # PHD436000H000F1 PACKAGED ROOF HEAT PUMP
34,200 BTUH COOLING, SEER = 14.0
34,400 BTUH HEATING, HSPF = 8.0
35,400 BTUH HEATING @ 7.5/10 KW HEATER, MAX. F.L.A. = 30.1 AMPS
1200 CFM NOMINAL @ .2" S.P., WT. = 450 LBS
208/230V-3-PH-60 CY., MAX. F.L.A. = 15.5 AMPS.
WITH FACTORY ROOF CURB & MANUAL OUTSIDE AIR INTAKE

 thru  DAY & NIGHT MODEL # PHD46000H000F1 PACKAGED ROOF HEAT PUMP
57,500 BTUH COOLING, SEER = 14.00
57,500 BTUH HEATING, HSPF = 8.0
35,400 BTUH HEATING @ 7.5/10 KW HEATER, MAX. F.L.A. = 30.1 AMPS
1600 CFM NOMINAL @ .2" S.P., WT. = 550 LBS
208/230V-3-PH-60 CY., MAX. F.L.A. = 22.3 AMPS.
WITH FACTORY ROOF CURB & MANUAL OUTSIDE AIR INTAKE

 and  FUJITSU MODEL #ASU24RLB
24,000 BTUH COOLING, SEER = 18.00
400 CFM @ .2 S.P., WT. = 31 LBS
208/230V - 1 PH - 60 CY

 and  FUJITSU MODEL #AOU24RLB CONDENSING UNIT
24,000 BTUH COOLING, SEER = 18.00 WT. = 86 LBS
208/230V - 1 PH - 60 CY, MAX F.L.A. = 10.5 AMPS

- SUPPLY AIR PLENUMS : GALV. IRON SHEETS W/ 1" LINER INSULATION
- RETURN AIR PLENUMS : GALV. IRON SHEETS W/ 1" LINER INSULATION
- INTERIOR DUCTWORK : GALV. IRON SPIRAL WITH 2" FSK WRAP INSULATION
: FLEX DUCT CLASS 1 UL-181 MAX. LENGTH = 5'-0"
- SUPPLY AIR REGISTERS : US AIRE '7600-6' WHITE SERIES TBAR CEILING
: PRO SELECT 'PSA4CW' WHITE SERIES HARD CEILING
- RETURN AIR GRILLES : US AIRE '7600R-6' WHITE SERIES TBAR CEILING
: PRO SELECT 'PSHFSW' WHITE SERIES HARD CEILING
- THERMOSTATS : WHITE RODGERS '1F95' SERIES
- FLAME SPREAD LESS THAN 25 SMOKE DEVELOPED RATING LESS THAN 50

	SUPPLY DUCT		DIRECTIONAL AIR FLOW
	RETURN DUCT		BAROMETRIC RELIEF DAMPER THRU WALL
	NUMBER INDICATES DUCT SIZE		UNDERCUT DOOR
	RETURN REGISTER		UCD
	SUPPLY REGISTERS		BAROMETRIC RELIEF DAMPER THRU ROOF
	TRANSFER GRILL		THERMOSTAT WITH CO2 SENSOR
	FLEX DUCT (5'-0" MAX)		DAMPER
	EXHAUST FAN		EQUIPMENT CALLOUT: TOP = EQUIPMENT TYPE BOTTOM = IDENTIFICATION
	12"x12" HOLE THRU BEAM		EXTRA PURLIN
	16"x10" HOLE THRU BEAM		ELECTRICAL LOCATION
	FIRE DAMPER		CONDENSATE DRAIN
	DUCT SMOKE DETECTOR		GAS LOCATION

M-0	EQUIPMENT LIST , STANDARD SYMBOLS - COVER SHEET
M-1	HVAC MECHANICAL PLAN
M-2	HVAC ROOF PLAN

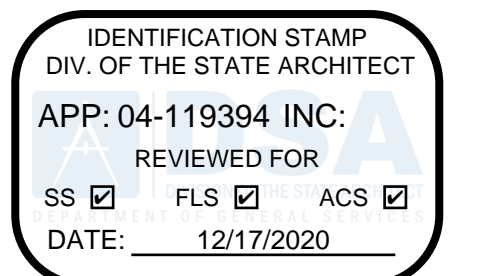
PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE**

SHEET TITLE:
**EQUIPMENT LIST,
STANDARD SYMBOLS
COVER SHEET**



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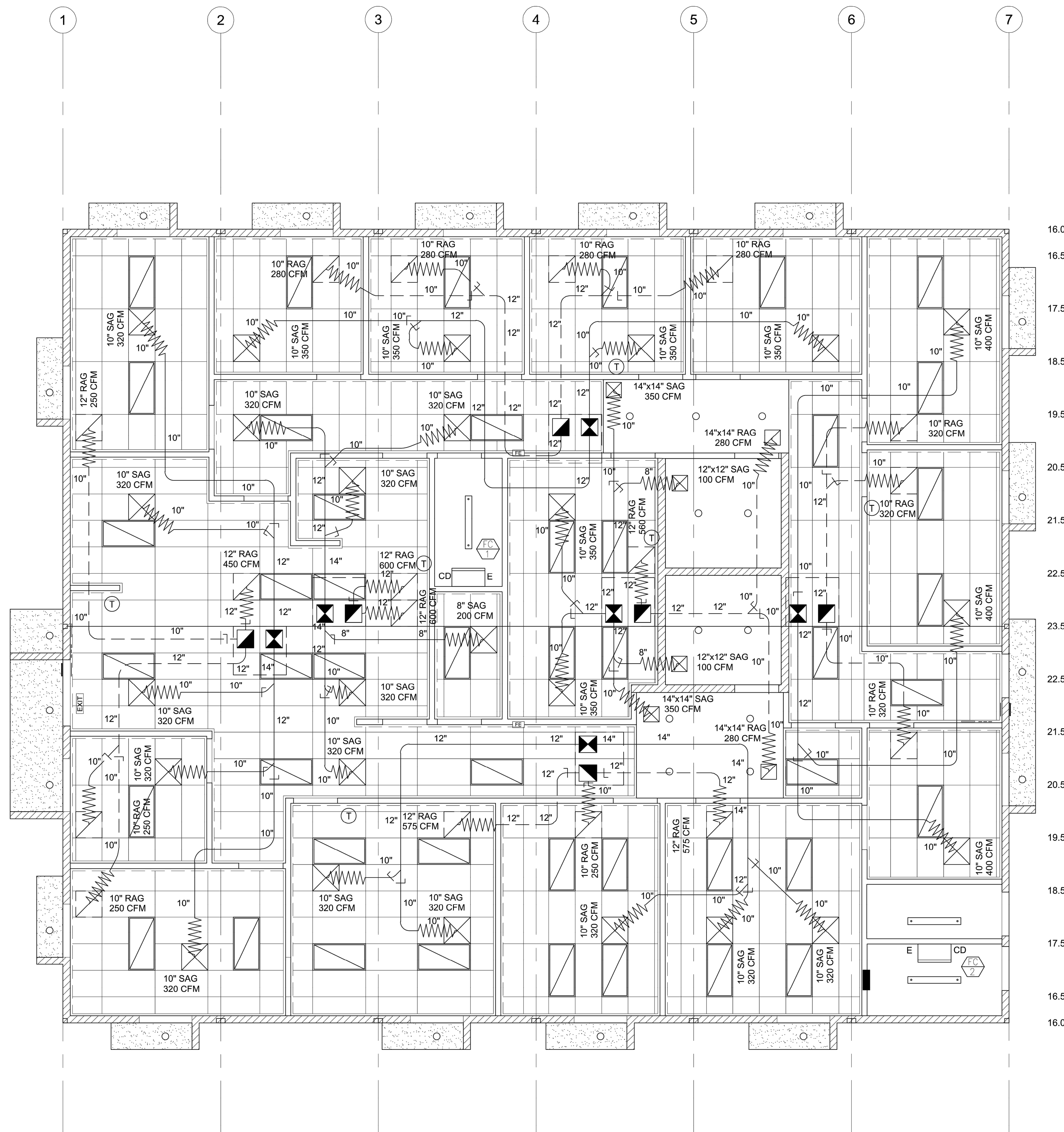
REVISIONS
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CEILING
9' - 0"

PITCH
1/4" : 12"
DUAL SLOPE

T.P.O.

SILVER CREEK INDUSTRIES 24' x 60'	
PROJECT NO.:	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	07.20.2020
SHEET NUMBER	
M-0	



CEILING
9' - 0"

PITCH
1/4" : 12"
DUAL SLOPE

T.P.O.

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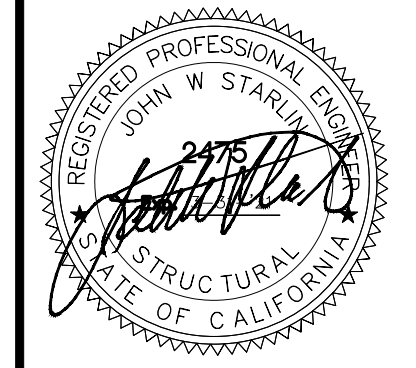


SILVER CREEK

Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE**

SHEET TITLE:
**HVAC
MECHANICAL PLAN**



ARCHITECT OF RECORD
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PROJECT SPECIFIC STATE AGENCY APPROVAL

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SILVER CREEK INDUSTRIES
24' x 60'

PROJECT NO.
DRAWN BY:
SCALE: AS NOTED
DATE: 07.20.2020

SHEET NUMBER
M-1

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc

SILVER CREEK INDUSTRIES, INC.



SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE

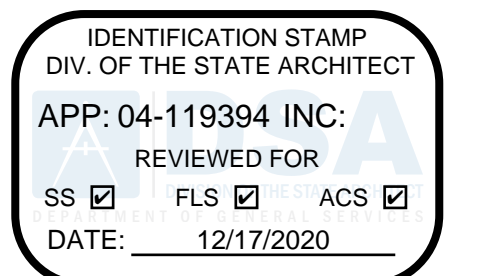
SHEET TITLE:

HVAC ROOF PLAN



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

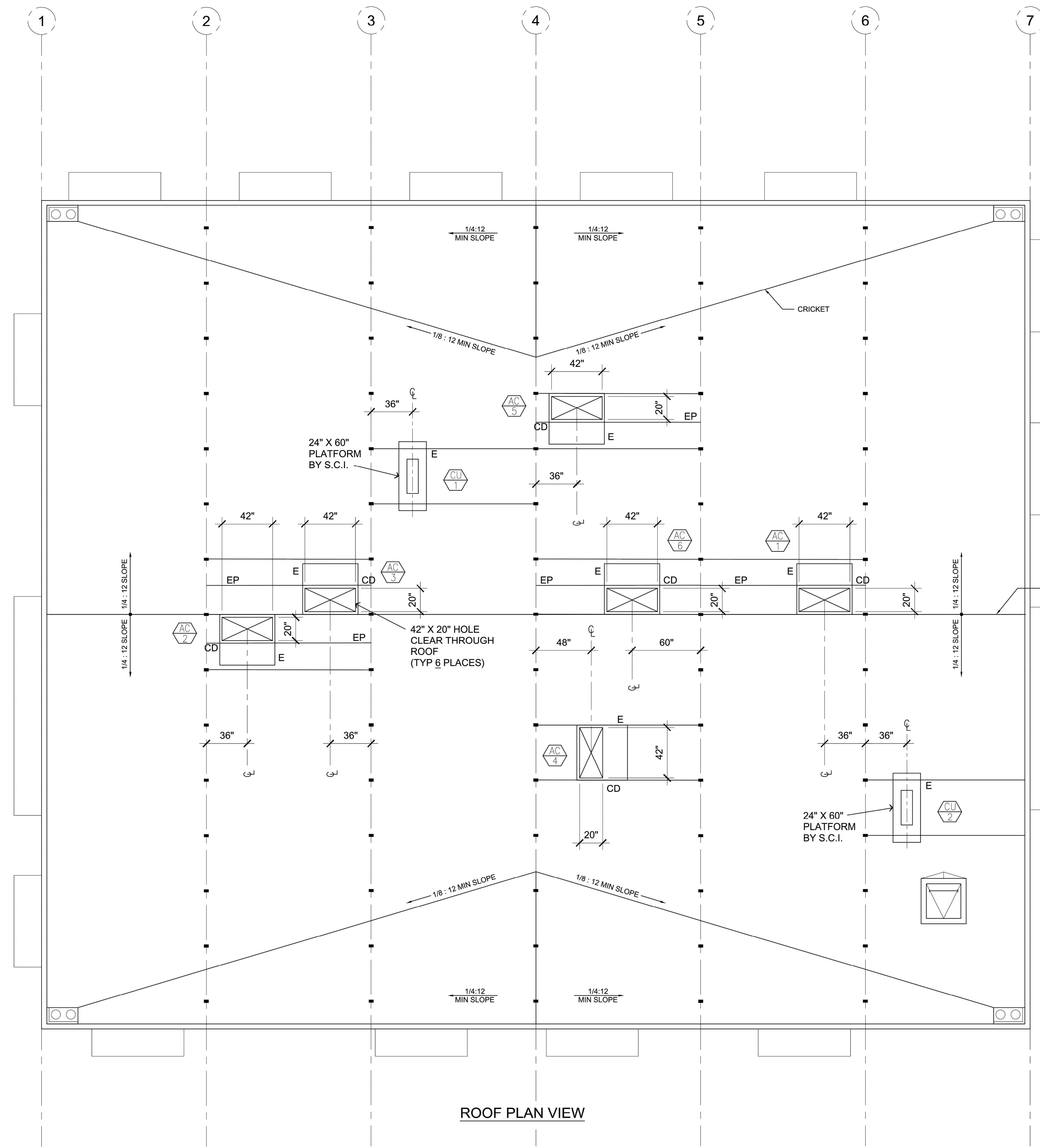


REFER TO
EQUIVALENT
PC SHEET

- FOR ELEMENTS NOT ON THIS "N" SHEET -

REVISIONS

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ROOF PLAN VIEW

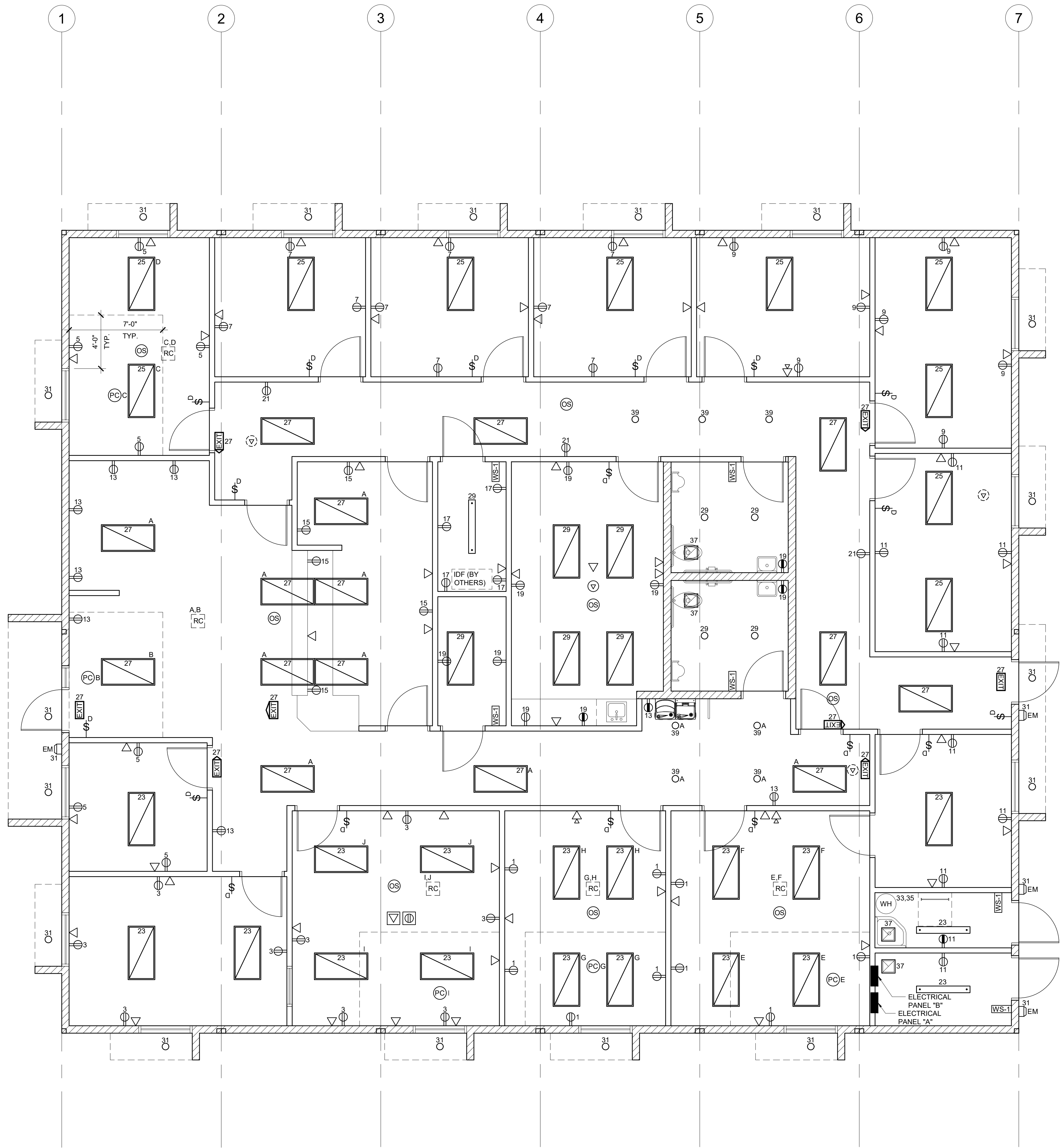
CEILING
9' - 0"

PITCH
1/4" : 12"
DUAL SLOPE

T.P.O.

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

SILVER CREEK INDUSTRIES 24' x 60'	
PROJECT NO.	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	07.20.2020
SHEET NUMBER	
M-2	



LEGEND	
	SUSPENDED INTERIOR LIGHT FIXTURE
	INTERIOR LIGHT FIXTURE @ HARD LID CLG.
	4SD J-BOX AT +18" A.F.F. w/ 3/4" CONDUIT STUB INTO ATTIC SPACE w/ PULLSTRING - FOR FUTURE DATA BY OTHERS
	4SD J-BOX AT +18" A.F.F. w/ 3/4" CONDUIT STUB INTO ATTIC SPACE w/ PULLSTRING - FOR FUTURE PHONE BY OTHERS
	4SD J-BOX w/ 3/4" CONDUIT STUB INTO ATTIC SPACE w/ PULLSTRING - FOR FUTURE CAMERA BY OTHERS
	4SD J-BOX w/ 3/4" CONDUIT STUB INTO ATTIC SPACE w/ PULLSTRING - FOR FUTURE AV EQUIPMENT BY OTHERS
	4SD J-BOX IN ATTIC SPACE - FOR FUTURE EQUIPMENT BY OTHERS
	DUPLEX (FLOOR MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE
	4SD J-BOX (FLOOR MOUNTED) FOR FUTURE EQUIPMENT BY OTHERS

- NOTES**
- REFER TO AOR ELECTRICAL PLANS FOR ALL FALV REQUIREMENTS
 - ALL FALV DEVICES AND WIRING TO BE PROVIDED AND INSTALLED BY OTHERS, NOT BY SCI
 - SCI TO PROVIDE AND INSTALL CONDUIT FOR ALL FALV REQUIREMENTS PER AOR ELECTRICAL PLANS

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SILVER CREEK INDUSTRIES, INC.

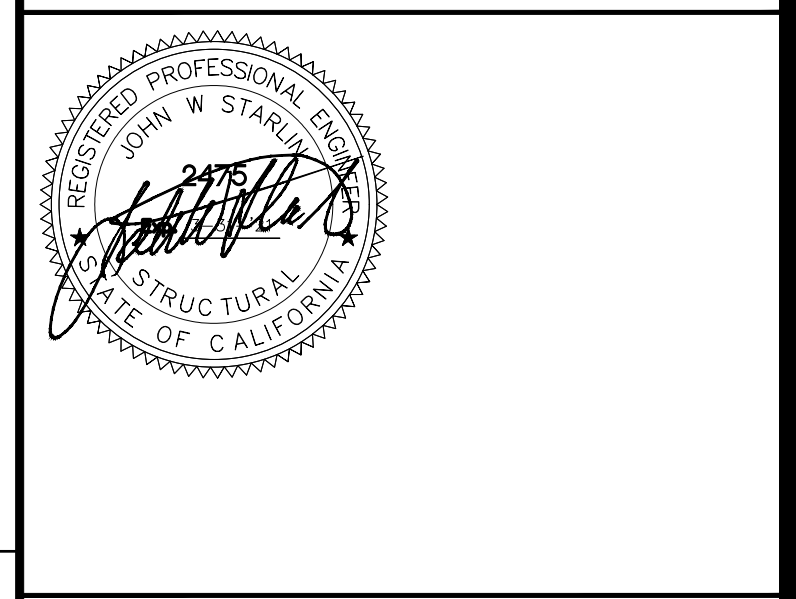
SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72' x 60' OFFICE**

SHEET TITLE:
ELECTRICAL PLAN



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/17/2020

**REFER TO
EQUIVALENT
PC SHEET**

- FOR ELEMENTS NOT ON THIS "N" SHEET -

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 60'

PROJECT NO. _____

DRAWN BY: _____

SCALE: AS NOTED

DATE: 07.20.2020

SHEET NUMBER

E-1.04N

MODULAR CLASSROOM BUILDINGS

BUILDING SIZE: 24' X 60' EXPANDABLE TO 72' X 60'

PC 04-116719

BY
SILVER CREEK INDUSTRIES, INC.

2830 BARRETT AVE, PERRIS, CALIFORNIA 92571
PHONE : (951) 943-5393 FAX : (951) 943-2211

**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SCI JOB #11327

SHEET INDEX

SHT NO.	ARCHITECTURAL	SHT NO.	FOUNDATION
A-0	COVER SHEET	F-0.01	WOOD FOUNDATION PLAN - 24' x 60' (50 PSF)
A-0A	T & I FORMS	F-0.02	WOOD FOUNDATION PLAN - 24' x 60' (50-15 PSF)
A-0.0	BUILDING OPTIONS SCHEDULE	F-0.03	WOOD FOUNDATION PLAN - 24' x 60' (100 PSF)
A-0.1	SYMBOLS LEGEND, ABBREVIATION, AND ADA SIGNAGE	F-0.04	WOOD FOUNDATION PLAN - 24' x 60' (150 PSF)
A-0.2	SCHEDULES	F-0.11	WOOD FOUNDATION PLAN - 36' x 60' (50 PSF)
A-0.3	TYPICAL KEY PLANS - 24' TO 72' x 60'	F-0.12	WOOD FOUNDATION PLAN - 36' x 60' (50-15 PSF)
		F-0.13	WOOD FOUNDATION PLAN - 36' x 60' (100 PSF)
A-0.5A	ENERGY CALC'S - PRF FORMS - ZONE 14 WORST CASE - 24'x60'	F-0.14	WOOD FOUNDATION PLAN - 36' x 60' (150 PSF)
A-0.5B	ENERGY CALC'S - PRF FORMS - ZONE 15 WORST CASE - 24'x60'	F-0.50	FOUNDATION DETAILS - WOOD FOUNDATION
A-0.5C	ENERGY CALC'S - PRF FORMS - ZONE 16 WORST CASE - 24'x60'		
A-0.5D	ENERGY CALC'S - PRF FORMS - ZONE 14 WORST CASE - 72'x60'	F-1.01	CONCRETE FOUNDATION PLAN - ABOVE GRADE - WOOD FLOOR
A-0.5E	ENERGY CALC'S - PRF FORMS - ZONE 15 WORST CASE - 72'x60'	F-1.11	CONCRETE FOUNDATION PLAN - ABOVE GRADE - CONCRETE FLOOR
A-0.5F	ENERGY CALC'S - PRF FORMS - ZONE 16 WORST CASE - 72'x60'	F-1.50	CONCRETE FOUNDATION DETAILS - ABOVE GRADE
		F-2.01	CONCRETE FOUNDATION PLAN - BELOW GRADE - WOOD FLOOR
A-0.6A	ENERGY CALC'S - CERTIFICATE OF COMPLIANCE FORMS	F-2.11	CONCRETE FOUNDATION PLAN - BELOW GRADE - CONCRETE FLOOR
A-0.6B	ENERGY CALC'S - CERTIFICATE OF COMPLIANCE FORMS	F-2.50	CONCRETE FOUNDATION DETAILS - BELOW GRADE
A-0.6C	SINGLE MODULE TOILET BUILDING COMPLIANCE FORMS	F-2.51	FOUNDATION DETAILS - CONCRETE
A-0.7	ENERGY CALC'S - VALUES BY ZONE & CALGREEN NOTES	SHT NO.	STRUCTURAL
		S-0.1	STRUCTURAL SPECIFICATIONS
A-1.01	FLOOR PLAN - 24' x 60' (OPTION A-1 OR OPTION A-2)	S-1.01	FLOOR FRAMING PLAN - WOOD FLOOR
A-1.02	FLOOR PLAN - 24' x 60' (OPTION A-3)	S-1.11	FLOOR FRAMING PLAN - CONCRETE FLOOR
A-1.03	FLOOR PLAN - 36' TO 72' x 60'	S-1.50	FLOOR FRAMING DETAILS - WOOD FLOOR
A-1.04	OPTIONAL RR END MOD. - FLOOR PLAN, RCP & ELECTRICAL PLAN	S-1.60	FLOOR FRAMING DETAILS - CONCRETE FLOOR
A-1.05	OPTIONAL RR END MOD. - PLUMBING PLANS & WATER SUPPLY ISOMETRIC		
A-1.06	OPTIONAL RR END MOD. - WASTE ISOMETRICS - WALL / FLOOR MOUNTED	S-2.11	ROOF FRAMING PLAN - 0.018" OR TPO ROOF - DUAL SLOPE
A-1.07	OPTIONAL RR END MOD. - INT. / EXT. ELEVATIONS & FIXTURE LEGEND	S-2.12	ROOF FRAMING PLAN - 0.030" - DUAL SLOPE
		S-2.13	ROOF FRAMING PLAN - PARAPET - DUAL SLOPE
A-2.01	REFLECTED CEILING PLAN - 24' x 60' (OPTION A-1 OR OPTION A-2)	S-2.51	ROOF FRAMING DETAILS - DUAL SLOPE
A-2.02	REFLECTED CEILING PLAN - 24' x 60' (OPTION A-3)	S-2.60	ROOF FRAMING DETAILS
A-2.03	REFLECTED CEILING PLAN - 36' TO 72' x 60'	S-2.70	ROOF FRAMING DETAILS - PARAPET
A-2.20	CEILING DETAILS - T-GRID	S-2.90	ROOF FRAMING DETAILS - TRUSS
A-2.21	CEILING DETAILS - HARD LID		
		S-3.02	BUILDING SECTION - DUAL SLOPE ROOF
A-3.01	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 24' x 60'	S-3.04	BUILDING SECTION - .030 DUAL SLOPE ROOF
A-3.03	ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE - 36' TO 72' x 60'		
		S-5.00	WALL FRAMING ELEVATIONS - WOOD STUDS
A-3.11	ROOF PLAN - 0.030" METAL DECK - DUAL SLOPE - 24' x 60'	S-5.10	WALL FRAMING DETAILS - WOOD STUDS
A-3.13	ROOF PLAN - 0.030" METAL DECK - DUAL SLOPE - 36' TO 72' x 60'	S-5.20	WALL FRAMING DETAILS - WOOD STUDS
		S-5.30	WALL FRAMING ELEVATIONS - STEEL STUDS
A-3.31	ROOF PLAN - PARAPET - DUAL SLOPE - 24' x 60'	S-5.31	WALL FRAMING DETAILS - STEEL STUDS
A-3.33	ROOF PLAN - PARAPET - DUAL SLOPE - 36' TO 72' x 60'		
		SHT NO.	PLUMBING
A-3.41	ROOF PLAN - TPO - DUAL SLOPE - 24' x 60'	P-1.01	PLUMBING DETAILS AND SCHEDULE
A-3.43	ROOF PLAN - TPO - DUAL SLOPE - 36' TO 72' x 60'		
		SHT NO.	MECHANICAL
A-3.50	ROOF DETAILS - 0.018" METAL DECK	M-0.1	MECHANICAL NOTES, SCHEDULES, AND DETAILS
A-3.60	ROOF DETAILS - 0.030" METAL DECK	M-1.01	MECHANICAL PLAN - WALL MOUNT - 24' x 60' (OPTION A-1 OR OPTION A-2)
A-3.61	ROOF DETAILS - 0.030" METAL DECK	M-1.02	MECHANICAL PLAN - WALL MOUNT - 24' x 60' (OPTION A-3)
		M-1.03	MECHANICAL PLAN - WALL MOUNT - 36' TO 72' x 60'
A-3.80	ROOF DETAILS - PARAPET	M-2.01	MECHANICAL PLAN - ROOF MOUNT - 24' x 60' (OPTION A-1 OR OPTION A-2)
A-3.90	ROOF DETAILS - TPO	M-2.02	MECHANICAL PLAN - ROOF MOUNT - 24' x 60' (OPTION A-3)
		M-3.01	MECHANICAL PLAN - ROOF MOUNT - 24' x 60' (OPTION A-3)
A-4.01	EXTERIOR ELEVATIONS - DUAL SLOPE - 24' x 60' (OPT A-1 OR OPT A-3)	M-4.01	MECHANICAL PLAN - ROOF MOUNT - 36' TO 72' x 60'
A-4.02	EXTERIOR ELEVATIONS - DUAL SLOPE - 24' x 60' (OPTION A-2)	M-4.02	MECHANICAL PLAN - ROOF MOUNT - 36' TO 72' x 60'
A-4.03	EXTERIOR ELEVATIONS - DUAL SLOPE - 36' TO 72' x 60'		
A-4.21	EXTERIOR ELEVATIONS - DUAL SLOPE - 24' x 60' (OPT A-1 OR OPT A-3) (PARAPET)		
A-4.22	EXTERIOR ELEVATIONS - DUAL SLOPE - 24' x 60' (OPTION A-2) (PARAPET)		
A-4.23	EXTERIOR ELEVATIONS - DUAL SLOPE - 36' TO 72' x 60' (PARAPET)		
		SHT NO.	ELECTRICAL
A-5.02	CROSS SECTION - DUAL SLOPE	E-1.01	ELECTRICAL PLAN - 24' x 60' (OPTION A-1)
A-5.04	CROSS SECTION - DUAL SLOPE - 0.030" ROOF DECK	E-1.02	ELECTRICAL PLAN - 24' x 60' (OPTION A-2)
A-5.05	CROSS SECTION	E-1.03	ELECTRICAL PLAN - 24' x 60' (OPTION A-3)
		E-1.04	ELECTRICAL PLAN - 36' TO 72' x 60'
A-5.50	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING		
A-5.51	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER	SHT NO.	RAMP
A-5.52	ARCHITECTURAL DETAILS - WOOD STUD - WOOD SIDING - 1 HOUR RATED	R-1.01	STANDARD RAMP PLAN
A-5.53	ARCHITECTURAL DETAILS - WOOD STUD - PLASTER - 1 HOUR RATED	R-1.02	OFFSET RAMP PLAN
A-5.60	ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING	R-1.03	RAMP LANDING
A-5.61	ARCHITECTURAL DETAILS - STEEL STUD - PLASTER	R-1.04	STANDARD LANDING WITH STEPS
A-5.62	ARCHITECTURAL DETAILS - STEEL STUD - WOOD SIDING - 1 HOUR RATED	R-1.05	SWITCHBACK RAMP PLAN
A-5.63	ARCHITECTURAL DETAILS - STEEL STUD - PLASTER - 1 HOUR RATED	R-2.01	RAMP DETAILS
A-5.64	ARCHITECTURAL DETAILS - 1 HOUR RATED OPTIONS		
A-5.70	ARCHITECTURAL DETAILS - FLOOR		
A-5.80	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS		
A-5.81	ARCHITECTURAL DETAILS - MISCELLANEOUS/OPTIONS		
		SHT NO.	RELOCATABLE SHEETS
A-6.01	INTERIOR ELEVATIONS - 24' x 60' - (OPTION A-1)	REL-101	BUILDING RELOCATION DETAILS
A-6.02	INTERIOR ELEVATIONS - 24' x 60' - (OPTION A-2)	REL-102	BUILDING RELOCATION DETAILS
A-6.03	INTERIOR ELEVATIONS - 24' x 60' - (OPTION A-3)		
A-6.04	INTERIOR ELEVATIONS - 36' TO 72' x 60'		

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PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

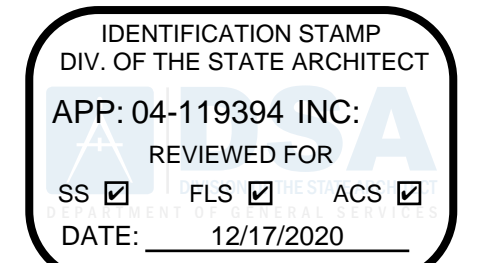
SHEET TITLE:

COVER SHEET

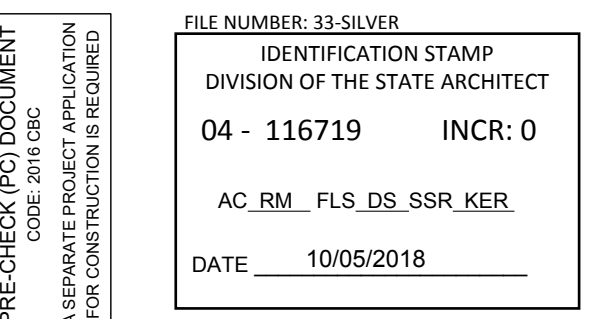


ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

NO.	REVISION
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SILVER CREEK INDUSTRIES 24' x 60' PC	
PROJECT NO.	
DRAWN BY:	
SCALE:	AS NOTED
DATE:	8-10-18
P.C. SHEET NUMBER	A-0

GENERAL NOTES	BUILDING DATA
1. FIRE ALARM IS NOT PART OF THIS APPROVAL	NUMBER OF STORIES: 1 - STORY
2. ALLOWABLE AREA IS BASED ON 10' SET BACK FROM IMAGINARY ASSUMED LINE PER 2016 CBC 705.3	OCCUPANCY: E or B
3. THIS PC IS DESIGNED STRUCTURALLY TO SUPPORT THE WEIGHT OF A FIRE SPRINKLER SYSTEM.	TYPE OF CONSTRUCTION: V-B
4. PC IS DESIGNED AS A SINGLE STORY MODULAR BUILDING	FLOOR LIVE LOAD: <input type="checkbox"/> 50 PSF <input type="checkbox"/> 50-15 PSF PARTITION LOAD
5. FOR SOILS TYPES / DESIGN BEARING STRENGTH, SEE STRUCTURAL SPECIFICATIONS	<input checked="" type="checkbox"/> 100 PSF <input type="checkbox"/> 150 PSF
6. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)	ROOF LIVE LOAD: 20 PSF
7. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES	FLOOR DEAD LOAD: <input type="checkbox"/> WOOD FLOOR - 11 PSF <input checked="" type="checkbox"/> CONCRETE FLOOR - 33 PSF
8. EXTERIOR WALL OPENINGS TO COMPLY W/ 705.8, 2016 CBC.	ROOF DEAD LOAD: 13.5 PSF (INCLUDING SPRINKLER LOAD AND 1 PSF SOLAR LOAD)
9. EXTERIOR PROJECTIONS ARE TO BE FIRE PROTECTED WHERE REQUIRED BY SECTIONS 705.2 & 1406.	RAMP LIVE LOAD: 100 PSF
10. SEE SHEETS A-0.7 FOR REQUIRED BUILDING ENVELOPE ASSEMBLIES AND HVAC SYSTEM.	BUILDING AREA: <input type="checkbox"/> 24'x60' BLDG - 1440 / 1620 (SF) <input type="checkbox"/> 60'x60' BLDG - 3600 / 4050 (SF) <input type="checkbox"/> 36'x60' BLDG - 2160 / 2430 (SF) <input checked="" type="checkbox"/> 72'x60' BLDG - 4320 / 4860 (SF) <input type="checkbox"/> 48'x60' BLDG - 2880 / 3240 (SF)
11. PURSUANT TO D.S.A. APPROVAL ALL PRODUCTS CAN BE SUBSTITUTED BY AN "EQUAL"	ALLOWABLE AREA: 9,000 S.F. (ALL W/O OVERHANGS)
12. BUILDING(S) TO BE LOCATED IN ANY FIRE HAZARD SEVERITY ZONE OR ANY WILDLAND - URBAN INTERFACE FIRE AREA SHALL COMPLY WITH CBC CHAPTER 7A AND SHALL NOT UTILIZE THE TUBULAR SKYLIGHT OPTION INCLUDED WITHIN THIS PC.	FOUNDATION: <input type="checkbox"/> WOOD <input checked="" type="checkbox"/> CONCRETE
13. THIS PC IS NOT DESIGNED FOR USE WITHIN A 65 CNEL NOISE CONTOUR AND THIS PC DOES NOT COMPLY WITH CAL GREEN SECTION 5.507.4.1. IF THIS PC BUILDING IS SITE ADAPTED TO A SITE THAT MEETS THE REQUIREMENTS OF CAL GREEN SECTION 5.507.4.1. THE SITE SPECIFIC DRAWING PACKAGE MUST INCLUDE COMPLIANT ASSEMBLIES FOR THE WALLS, ROOF, WINDOWS & DOORS.	CEC CLIMATE ZONE: 1-16
14. ALL SPACES WITH A DESIGN FLOOR LIVE LOAD GREATER THAN 50 PSF SHALL HAVE SIGN (BY OTHERS) POSTED ADJACENT TO THE MAIN ENTRY DOOR WHICH INDICATES THE MAXIMUM ALLOWABLE LIVE LOAD.	* SEE S4.1 FOR GEOTECHNICAL REPORT REQUIREMENT
	ALLOWABLE SOIL PRESSURE
	DL (WOOD FOOTING) 1,000 psf
	DL + LL (WOOD FOOTING - 1,000 PSF MAX) 1,000 psf
	DL + LL + SNOW (WOOD FOOTING) 1,000 psf
	DL + LL + SEISMIC (WOOD FOOTING) 1,000 psf
	DL + LL (CONCRETE FOOTING) 1,500 psf
	DL + LL + SEISMIC (CONCRETE FOOTING) 1,500 psf
	ROOF SNOW LOAD
	GROUND SNOW LOAD, P _g FROM COUNTY 0
	ROOF SNOW LOAD: <input checked="" type="checkbox"/> FLAT P _g OR <input type="checkbox"/> LOW-SLOW, P _g OR <input type="checkbox"/> SLOPED, P _g
	SNOW EXPOSURE FACTOR C _s -
	SNOW IMPORTANCE FACTOR I _s 1.0
	THERMAL FACTOR C _t -
	FLOOD DESIGN
	FLOOD HAZARD AREA YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
	WIND DESIGN
	BASIC WIND SPEED (3 SECOND GUST) V _{ult} 129
	RISK CATEGORY II
	WIND EXPOSURE CATEGORY C
	TOPOGRAPHIC FACTOR K _{zt} 1
	SEISMIC DESIGN
	LATERAL FORCE-RESISTING SYSTEM OMF
	ANALYSIS PROCEDURE EQUIV. LATERAL FORCE
	SEISMIC DESIGN CATEGORY (SDC) E
	SEISMIC IMPORTANCE FACTOR I _p 1.0
	SEISMIC RESPONSE COEFFICIENT C _s 0.380
	RESPONSE MODIFICATION COEFFICIENT R 3.5
	SITE CLASS D
	MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S _{ss} USED TO DETERMINE PARAMETERS & NON-STRUCTURAL COMPONENT ANCHOR (NO CAP) 2.85
	SHORT PERIOD SITE COEFFICIENT F _p 1.0
	DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S _{ds} USED TO DETERMINE C _s (WITH CAP PER CBC, SECTION 1616A.1.12) 1.33
	DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD S _{ds} ANCHOR (NO CAP) 1.90
	MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S ₁ 2.0
	LONG PERIOD SITE COEFFICIENT F _l 1.5
	DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD S _{1p} 2.0
	HORIZONTAL OR VERTICAL IRREGULARITY TYPES NONE

APPLICABLE STANDARDS
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS (CALIF. AMENDED) 2016 EDITION
NFPA 72 NAT. FIRE ALARM CODE (CALIF. AMENDED) 2016 EDITION (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

APPLICABLE CODES
LIST OF 2016 CALIFORNIA CODE OF REGULATIONS
2016 BUILDING ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
2016 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 & 2, PART 2, TITLE 24 C.C.R.
(2015 INTERNATIONAL BUILDING CODE VOLUMES 1-2 & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
(2014 NATIONAL ELECTRICAL CODE & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
(2015 IAPMO UNIFORM MECHANICAL CODE & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
(2015 IAPMO UNIFORM PLUMBING CODE & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R.
2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
(2015 INTERNATIONAL FIRE CODE & 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2016 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
NFPA 13 AUTOMATIC SPRINKLER SYSTEMS 2013 EDITION (WHERE APPLICABLE)
NFPA 72 NATIONAL FIRE ALARM CODE 2013 EDITION (WHERE APPLICABLE)
(NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")

REFER TO "N" SHEETS FOR PROJECT SPECIFIC

The example form DSA 103s shown on this sheet are for illustration purposes only. A form DSA 103 is to be completed for each application that this PC is being incorporated into and all example form DSA-103s are to be crossed out on this drawing.

- UT TESTING SHALL BE PERFORMED ON 100% OF CJP GROOVE WELDS COLUMN SPLICES OR BEAM SPLICES WHERE THE MATERIAL THICKNESS BEING WELDED IS 5/16" OR GREATER.
- UT SHALL NOT BE REQUIRED TO BE PERFORMED ON CJP GROOVE WELDS WHERE THE MATERIAL THICKNESS BEING WELDED IS 1/4" OR LESS.
- MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25% OF ALL BEAM TO COLUMN OR TRUSS CHORD TO COLUMN CJP GROOVE WELDS.

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE	PERFORMED BY	CODE REFERENCE AND NOTES
-	SOILS			
-	1. GENERAL:		Table 1705A.6	
X	a. Verify that: <ul style="list-style-type: none"> • site has been prepared properly prior to placement of controlled fill and/or excavations for foundations, • foundation excavations are extended to proper depth and have reached proper material, and • materials below footings are adequate to achieve the design bearing capacity. 	Periodic	GE*	* By geotechnical engineer or his or her qualified representative. (See Appendix for exemptions.)
-	2. COMPACTED FILLS:		Table 1705A.6	
X	a. Perform classification and testing of fill materials.	Test	LOR*	* Under the supervision of the geotechnical engineer.
X	b. Verify use of proper materials, densities and inspect lift thicknesses, placement, and compaction during placement of fill.	Continuous	GE*	* By geotechnical engineer or his or her qualified representative.
-	CONCRETE		Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13	
-	7. CAST IN PLACE CONCRETE			
	Material Verification and Testing:			
X	a. Verify use of required design mix.	Periodic	SI*	Table 1705A.3 Item 5, 1910A.1 (1909.2.3)*. * To be performed by qualified batch-plant inspector and concrete sampling technician
X	b. Identify, sample, and test reinforcing steel.	Test	LOR	1910A.2 (1909.2.4)*; ACI 318-14 Section 26.6.1.2. DSA IR 17-10.16
X	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Test	LOR	Table 1705A.3 Item 6; ACI 318-14 Sections 26.5 & 26.12
X	d. Test concrete (f _c).	Test	LOR	1905A.1.16 (1909.3.7)*; ACI 318-14 Section 26.12.
	Inspection:			
X	e. Batch plant inspection <input type="radio"/> Continuous <input checked="" type="radio"/> Periodic	See Notes	SI	Default of "Continuous" per 1705A.3.3. If approved by DSA, batch plant inspection may be reduced to "Periodic" subject to requirements in Section 1705A.3.3.1 or eliminated per 1705A.3.3.2. (See Appendix for exemptions.)
+	MASONRY		TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530-13/ASCE 6-13 Table 5	
-	STEEL, ALUMINUM		Table 1705A.2.1, AISC 360-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI S100-07/S2-10	
-	17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify identification of all materials and: <ul style="list-style-type: none"> • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. 	Periodic	-	2203A.1 (2203.1)*, Table 1705A.2.1 Item 3a-3c; AISI S100-07/S2-10 Section A2.1 & A2.2, AISI S200-12 Section A3, AISI S220-11 Section A4. * By special inspector or qualified technician when performed off-site.
X	b. Test unidentified materials.	Test	LOR	2203A.1 (2203.1)*
X	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
	Inspection:			
X	e. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
-	19. WELDING:		1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)	
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	Continuous	SI	Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3.
-	19.2 FIELD WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	Continuous	SI	Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Table 1705A.2.1 Item 5a.5. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	1705A.2.1; Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
-	20. NONDESTRUCTIVE TESTING:			
X	a. Ultrasonic	Test	LOR	1705A.2.1 & 1705A.2.5, AISC 360-10 N5.5, AISC 341-10 J6.2, AWS D1.1, D1.8, ANSI/ASNT CP-189, SNT-TC-1A. DSA IR 17-2.
X	b. Magnetic Particle	Test	LOR	189, SNT-TC-1A. DSA IR 17-2.
-	21. STEEL JOISTS AND TRUSSES:			
+	WOOD			
-	OTHER			

X	28. Electrical grounding	Test	PI	Electrical grounding test per IR E-1.
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List of required verified report(s):

- Soils testing and inspection: Geotechnical Verified Report - Form DSA-293
- All Structural Testing: Laboratory Verified Report - Form DSA-291
- Concrete Batch Plant Inspection: Laboratory Verified Report - Form DSA-291
- Shop Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292
- Field Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292
- Steel Joist Fabrication Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292

1	Type -	2	Performed By -
Continuous	- Indicates that a continuous special inspection is required	GE	- Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
Periodic	- Indicates that a periodic special inspection is required	LOR	- Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test	- Indicates that a test is required	SI	- Indicates that the special inspection is to be performed by a special inspector

Appendix: Work Exempt from DSA Requirements for Special Inspection or Structural Testing

Exempt items given in IR A-22 or the 2016 CBC (including DSA amendments) and those items identified below with an "X" by the design professional are NOT subject to DSA requirements for the structural tests or special inspections noted. Items marked as exempt shall be identified by either: 1) listing specific details/sheets noted in the spaces provided below OR 2) on the approved construction documents. The project inspector shall verify all construction complies with the approved construction documents.

Exempted by Design Pro.	TEST OR SPECIAL INSPECTION	TYPE	PERFORMED BY	CODE REFERENCE AND NOTES
X	Soils:			
	1. Deep foundations acting as a cantilever footing designed based on minimum allowable pressures per 2016 CBC Table 1806A.2 and having no geotechnical report for the following types of structures: free standing sign, scrolling message sign, scoreboard, covered walkway or shade structure with dead load less than 5 psf and other light-weight structures of which the apex is less than 8' above the highest adjacent grade.			
	2. Shallow foundations meeting the exception item #1 criteria specified in 2016 CBC Section 1803A.2.			
	(Optional) List details for applicable exempt items:			
	Concrete/Masonry:			
X	1. Post-installed anchors for the following: 1) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding") given in CBC Section 1816A.1.18 (which replaces ASCE 7-10, Section 13.1.4) or 2) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding."			
X	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.			
X	3. Masonry retaining walls less than 4'-0" above the top of foundation not supporting a surcharge and free standing nonbearing non-shear masonry walls up to 6'-0" above adjacent grade do not require grout, mortar or masonry core testing or DSA special inspection.			
X	4. Epoxy shear dowels in site fastwork.			
	(Optional) List details for applicable exempt items:			

Exempted by Design Pro.	TEST OR SPECIAL INSPECTION	TYPE	PERFORMED BY	CODE REFERENCE AND NOTES
X	Welding:			
X	1. Solid-clad and open-mesh gates with maximum leaf span or rolling section for rolling gates of 10' and apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates are not located within 1.5x gate/leaf height (max 8'-0") to the edge of floor or roof.			
X	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the "Exception" language in Section 1705A.2.1); fillet welds cannot be ground flush.			
X	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10x10' opening in a 15' tall wall for a header or king stud.			
X	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 of listing above).			
X	5. Manufactured components (e.g., Tolo, B-Line, Afcen, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 of listing above).			
X	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 of listing above).			
X	7. Any support for exempt non-structural components given in CBC Section 1616A.1.18 (which replaces ASCE 7-10, Section 13.1.4) meeting the following: 1) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) <= 4' above supporting floor/roof, 2) when hung from a wall or roof/ceiling, <20# for discrete units or <5 psf for distributed systems.			
	(Optional) List details for applicable exempt items:			

WORK EXEMPT FROM SPECIAL INSPECTIONS OR TESTING

1

Note: References are to the 2016 edition of the California Building Code (CBC) unless otherwise noted.

REQUIRED	TEST OR SPECIAL INSPECTION	TYPE	PERFORMED BY	CODE REFERENCE AND NOTES
+	SOILS			
+	CONCRETE		Table 1705A.3, ACI 318-14 Sections 26.12 & 26.13	
+	MASONRY		TMS 402-13/ACI 530-13/ASCE 5-13 Table 3.1.3 & TMS 602-13/ACI 530-13/ASCE 6-13 Table 5	
-	STEEL, ALUMINUM		Table 1705A.2.1, AISC 360-10, AISC 360-10, AISC 341-10, AISC 358-10, AISI S100-07/S2-10	
-	17. STRUCTURAL STEEL, COLD-FORMED STEEL, AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Material Verification:			
X	a. Verify identification of all materials and: <ul style="list-style-type: none"> • Mill certificates indicate material properties that comply with requirements, • Material sizes, types and grades comply with requirements. 	Periodic	-	2203A.1 (2203.1)*, Table 1705A.2.1 Item 3a-3c; AISI S100-07/S2-10 Section A2.1 & A2.2, AISI S200-12 Section A3, AISI S220-11 Section A4. * By special inspector or qualified technician when performed off-site.
X	b. Test unidentified materials.	Test	LOR	2203A.1 (2203.1)*
X	c. Examine seam welds of HSS shapes	Periodic	SI	DSA IR 17-3.
	Inspection:			
X	e. Verify and document steel fabrication per DSA approved construction documents.	Periodic	SI	Not applicable to cold-formed steel light-frame construction, except for trusses (1705A.2.4).
-	19. WELDING:		1705A.2.5, Table 1705A.2.1 Items 4 & 5; DSA IR 17-3, AWS D1.1 and AWS D1.8 for structural steel, AWS D1.2 for Aluminum, AWS D1.3 for cold-formed steel, AWS D1.4 for reinforcing steel. (See Appendix for exemptions.)	
	Verification of Materials, Equipment, Welders, etc:			
X	a. Verify weld filler material identification markings per AWS designation listed on the DSA approved documents and the WPS.	Periodic	SI	DSA IR 17-3.
X	b. Verify weld filler material manufacturer's certificate of compliance.	Periodic	SI	DSA IR 17-3.
X	c. Verify WPS, welder qualifications and equipment.	Periodic	SI	DSA IR 17-3.
-	19.1 SHOP WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	Continuous	SI	Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds	Periodic	SI	1705A.2.2, Table 1705A.2.1 Item 5a.5 & 5a.6. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	c. Inspect welding of stairs and railing systems.	Periodic	SI	1705A.2.1. Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3.
-	19.2 FIELD WELDING:			
X	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds	Continuous	SI	Table 1705A.2.1 Item 5a1-4. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	b. Inspect single-pass fillet welds ≤ 5/16"	Periodic	SI	Table 1705A.2.1 Item 5a.5. Per AISC 360-10 (and AISC 341-10 as applicable). DSA IR 17-3.
X	f. Inspect welding of stairs and railing systems	Periodic	SI*	1705A.2.1; Per AISC 360-10 (and AISC 341-10 as applicable). AWS D1.1 & D1.3. DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
-	20. NONDESTRUCTIVE TESTING:			
X	a. Ultrasonic	Test	LOR	1705A.2.1 & 1705A.2.5, AISC 360-10 N5.5, AISC 341-10 J6.2, AWS D1.1, D1.8, ANSI/ASNT CP-189, SNT-TC-1A. DSA IR 17-2.
X	b. Magnetic Particle	Test	LOR	189, SNT-TC-1A. DSA IR 17-2.
-	21. STEEL JOISTS AND TRUSSES:			
+	WOOD			
-	OTHER			
X	28. Electrical grounding	Test	PI	Electrical grounding test per IR E-1.

List of required verified report(s):

- All Structural Testing: Laboratory Verified Report - Form DSA-291
- Shop Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292
- Field Welding Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292
- Steel Joist Fabrication Inspection: Laboratory Verified Report - Form DSA-291, or, for independently contracting SI, Special Inspection Verified Report - Form DSA-292

1	Type -	2	Performed By -
Continuous	- Indicates that a continuous special inspection is required	GE	- Indicates that the special inspection is to be performed by a registered geotechnical engineer or his or her authorized representative
Periodic	- Indicates that a periodic special inspection is required	LOR	- Indicates that the test or inspection is to be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See section 4-335, 2013 CCR Title 24, Part 1.
Test	- Indicates that a test is required	SI	- Indicates that the special inspection is to be performed by a special inspector

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SILVER CREEK INDUSTRIES, INC.



Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG

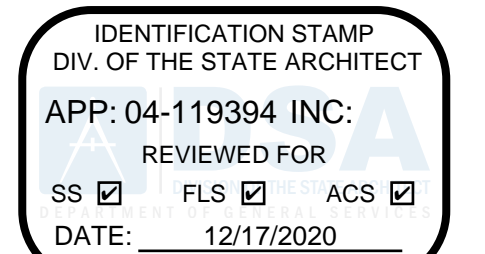
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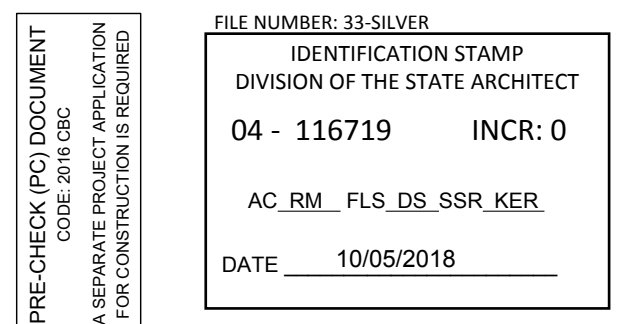


ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

1	
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7	
8	

SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:

DRAWN BY:

SCALE: AS NOTED

DATE: 8-10-18

P.C. SHEET NUMBER

A-0A

WINDOW SCHEDULE

WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
A	1	1	8'-0"	4'-0"	XOX	ANOD	DP		
B	2	2	8'-0"	4'-0"	FIXED	FRW	FRG		45 MINUTE ASSEMBLY

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGYSHIELD, ALL OPERABLE SASH SHALL HAVE SCREENS. (U-FACTOR = .510 MAX, VT = 0.500 MIN., SHGC = .360 MAX, STC = 36 MIN.)

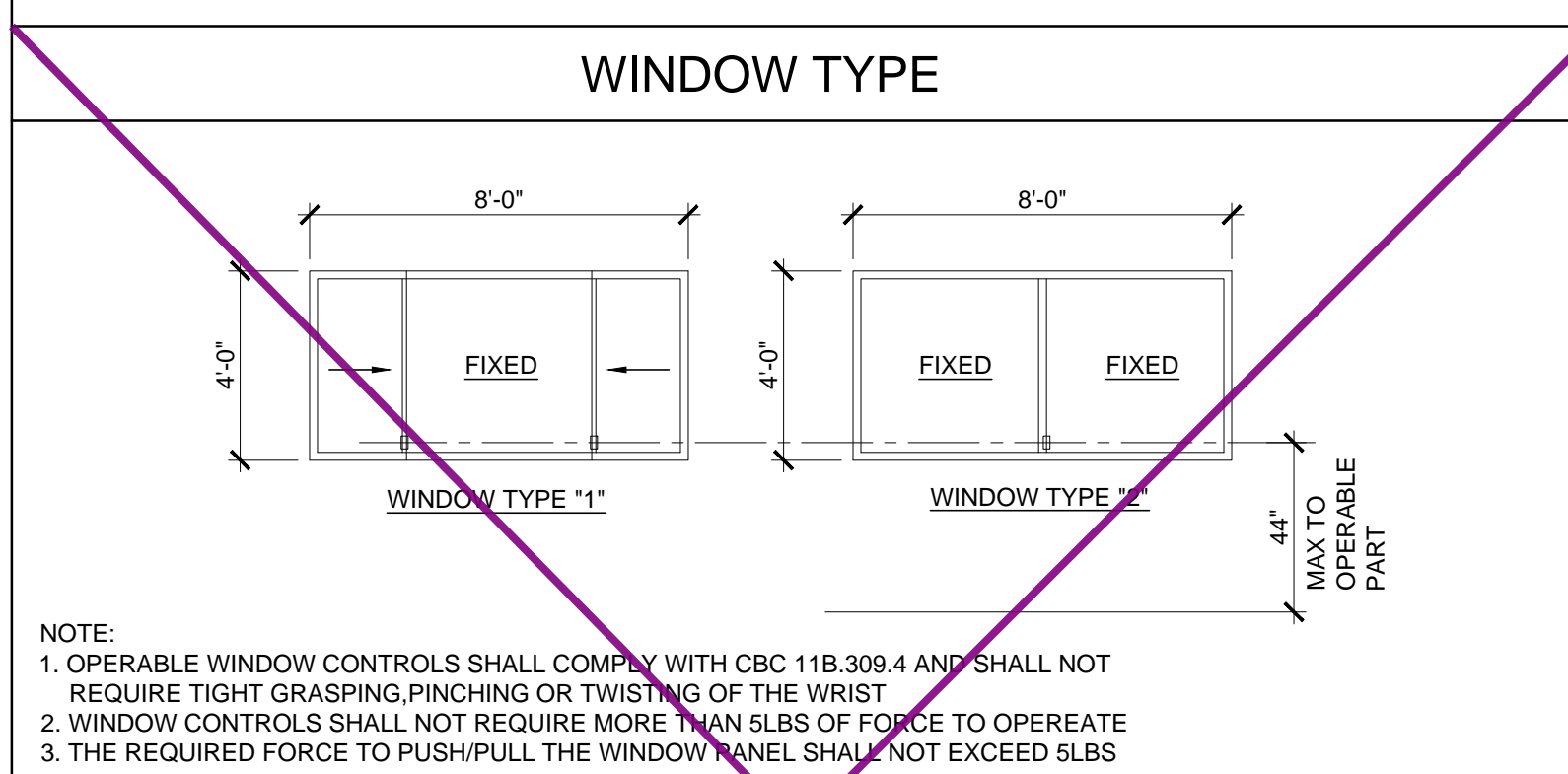
BRONZ: BRONZE ANODIZED ALUMINUM FRAME

PAINT: PAINTED FRAME

WF: 16GA WELDED FRAME

FRW: FIRE RATED WINDOW FRAME: MIN 0.048" THICK WELDED FRAME

FRG: FIRE RATED GLAZING: 1/4" WIRED GLASS. LABELED TO MEET THE REQUIREMENTS FOR A 3/4 HOUR FIRE WINDOW ASSEMBLY PER CBC SECTION TABLE 715.5



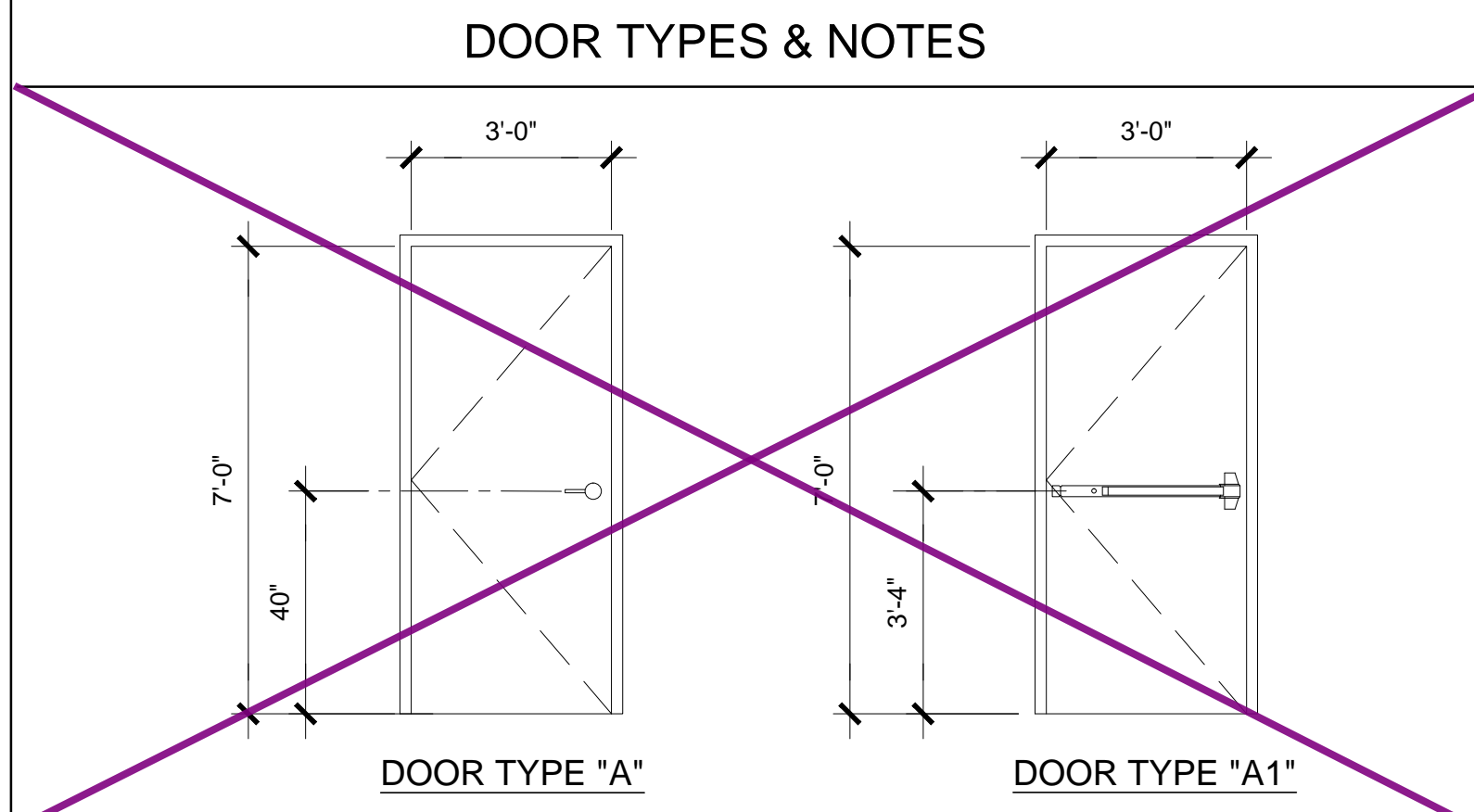
DOOR SCHEDULE

DOOR NO	WIDTH	HEIGHT	DOOR TYPE	QTY	DOOR MAT/FIN	FRAME MAT/FIN	HARDWARE SET	WALL THICKNESS	NOTES
1	3'-0"	7'-0"	A		HM	KD	HW-1	5 1/4"	
1P	3'-0"	7'-0"	A1		HM	KD	HW-2	5 1/4"	
2	3'-0"	7'-0"	A		SCL	KD	HW-3	5 1/2"	
3	3'-0"	7'-0"	A		SCL	KD	HW-4	5 3/4"	
5	3'-0"	7'-0"	A		HM	KD	HW-6	4 7/8"	
6	3'-0"	7'-0"	A		HM	KD	HW-5	4 7/8"	NO CLOSER REQ'D.

DOOR MATERIAL AND FINISH ABBREVIATIONS

HM: 14GA HOLLOW METAL
 WF: 16GA WELDED FRAME

EXTERIOR DOORS TO BE UNINSULATED SINGLE LAYER DOORS W/ U-FACTOR OF 0.500 MAX



- DOOR HANDLE FOR LOCKSETS AND PANIC HARDWARE TO BE CENTERED AT 40" AFF HARDWARE TO BE OPENED FROM THE INSIDE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. LEVERS TO RETURN TO WITHIN 1/2" OF DOOR
- ALL DOORS SHALL BE 1 3/4" THICK U.N.O.
- CLOSER SHALL BE SET FOR MAXIMUM OPENING PRESSURE OF 5 LBS AT EXTERIOR AND INTERIOR DOORS.
- PANIC HARDWARE IS REQUIRED TO BE INSTALLED WHEN THE CONFIGURATION OF ANY ROOM PROVIDES AN OCCUPANT LOAD OF 50 OR GREATER.
- ALL HARDWARE SHALL COMPLY WITH SILVER CREEK'S SPECS ON THIS SHEET AND CBC SECTIONS 11B-206.5, 11B-404.1 & 1010.
- DOOR CLOSER SHALL BE ADJUSTED TO SO THAT FROM AN OPEN POSITION OF 90°, THE DOOR WILL TAKE AT LEAST 5 SECONDS TO MOVE TO A POINT 12" FROM THE LATCH, MEASURED TO THE LANDING SIDE OF THE DOOR
- PANIC AND FIRE EXIT HARDWARE, WHERE THIS TYPE HARDWARE IS INSTALLED, IT SHALL COMPLY WITH THE FOLLOWING
 -THE ACTUATING PORTION OF THE RELEASING DEVICE SHALL EXTEND AT LEAST ONE-HALF OF THE DOOR LEAF WIDTH.
 -THE MAXIMUM FORCE TO ACTIVATE ANY OPERABLE PART SHALL NOT EXCEED 5 LBS PER THE 2016 CBC. PANIC HARDWARE SHALL COMPLY WITH CBC SECTION 1010.1.10
- ALL HAND ACTIVATED HARDWARE SHALL BE LEVER TYPE, PANIC BARS, PUSH/PULL TYPE OR 'U' SHAPED HANDLES
- ALL HAND ACTIVATED HARDWARE SHALL BE EASY TO OPERATE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF WRIST TO OPERATE. FLOOR STOP SHALL BE LOCATED 4" MAX FROM FACE OF WALL.

FINISH SCHEDULE

ROOM NAME	FLOORING		WALL FINISH				CEILING		NOTES
	FLOOR	BASE	FRONT	LEFT	REAR	RIGHT	CEILING	CEILING HT	
CLASSROOM 101	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
CLASSROOM 102	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
UNISEX 103	SV	6" TS	FRP	FRP	FRP	FRP	CP	8'-0"	
UNISEX 104	SV	6" TS	FRP	FRP	FRP	FRP	CP	8'-0"	

FLOOR, WALL, CEILING MATERIALS

FLOORING
 CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE 'A' OR TYPE 'B'; CLASS 2; DENSITY 3600; DIRECT GLUE DOWN
 SV: SHEET VINYL FLOORING
 VCT: VINYL COMPOSITION TILE

BASE
 4" TS: 4" TOP SET BASE
 6" TS: 6" TOP SET BASE
 SC: 6" SELF-COVE BASE

WALLS
 TACK: 1/2" VINYL TACKBOARD CLASS 1 OVER 1/2" GYPSUM BOARD BACKING
 FRP: 1/8" FIBER REINFORCED PANEL OVER 1/2" WATER RESISTANT GYPSUM BOARD
 GYP: 1/2" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH
 PLY: 1/2" PLYWOOD FINISH
 NF: NO FINISH

CEILING
 OF: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
 GBC: 5/8" GYPSUM BOARD; TAPE; TEXTURE; PAINTED FINISH (HARD LID CEILING)
 GBP: 1/2" GYPSUM BOARD WASHABLE PANELS (PAINTED)

- ### FINISH NOTES
- ALL FINISHES SHALL COMPLY WITH CBC, CFC AND TITLE 19 CCR.
 - PREPARATION FOR SUB-FLOOR TO ACCEPT FINISH FLOORING IS BY FLOORING CONTRACTOR. PLYWOOD SUB-FLOOR IS 2.4.1. PLYWOOD. OUTER PLYWOOD IS PLUGGED AND TOUCH SANDED. ANY DEFORMITIES DUE TO STANDARD CONSTRUCTION PRACTICES SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR. THE JOINT AT THE MODLINE SHALL NOT BE LARGER THAN 1/8" AND SHALL BE FILLED AND SANDED BY FLOORING CONTRACTOR.
 - RESILIENT FLOORING DEMONSTRATING A COEFFICIENT OF FRICTION OF AT LEAST 0.6 PER ASTM D2047, WILL BE ACCEPTED AS MEETING THE INTENT OF SLIP RESISTANCE.
 - CARPET SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT, OR LEVEL CUT / UNMUT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2016 CBC. CARPET EDGED SHALL COMPLY WITH THE 2016 CBC

DOOR HARDWARE

CLASSROOM -	EXTERIOR DOOR HW-1
LOCKSET: SCHLAGE ND75PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS: HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
CLOSER: NORTON 8501 BFDA	Finish 689 or equal
WEATHER STRIP: HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD: HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM: HAGER 783SAV 35N	Finish Alum or equal
DOOR W/ PANIC HARDWARE -	EXTERIOR DOOR HW-2
EXIT DEVICE: VON DUPRIN AX-99L-2PA w/ SCHLAGE rim cylinder	Finish Alum or equal
BUTTS: HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
CLOSER: NORTON 8501 BFDA	Finish 689 or equal
WEATHER STRIP: HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD: HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM: HAGER 783SAV 35N	Finish Alum or equal
STAFF RESTROOM / SINGLE-OCCUPANCY -	INTERIOR DOOR HW-3
LOCKSET: SCHLAGE ND40SRHO626 (cylindrical)	Finish 26D or equal
BUTTS: HAGER 1279 4 1/2" x 4 1/2"	Finish 26D or equal
CLASSROOM PASS -	INTERIOR DOOR HW-4
LOCKSET: SCHLAGE ND66PDRHO626	Finish 26D or equal
BUTTS: HAGER 1279 4 1/2" x 4 1/2"	Finish 26D or equal
BOYS & GIRLS RESTROOM -	EXTERIOR DOOR HW-5
LOCKSET: SCHLAGE ND70PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS: HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
WEATHER STRIP: HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD: HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM: HAGER 783SAV 35N	Finish Alum or equal
LOUVER: ANEMO 24 x 12	Finish Bronze or equal
STAFF RESTROOM -	EXTERIOR DOOR HW-6
LOCKSET: SCHLAGE ND85PDRHO626 (cylindrical)	Finish 26D or equal
BUTTS: HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D or equal
WEATHER STRIP: HAGER 891SAV 3684	Finish Alum or equal
THRESHOLD: HAGER 413SA 36	Finish Alum or equal
DOOR BOTTOM: HAGER 783SAV 35N	Finish Alum or equal
LOUVER: ANEMO 24 x 12	Finish Bronze or equal

EMERGENCY EXIT AND PANIC HARDWARE:
 INDICATE ON PLANS AND/OR SPECIFICATIONS COMPLIANCE WITH SFM STANDARD 12-10-3, SECTION 12-10-302.
 (A) THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE.
 (D) THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.
 BRING CUT-SHEETS OF PANIC HARDWARE TO BACK CHECK APPOINTMENT TO DEMONSTRATE COMPLIANCE TO STD. 12-10-3.

INSULATION SPECIFICATIONS

MOISTURE PROTECTION INSULATION:
 DESCRIPTION OF WORK: THE FURNISHING AND INSTALLING OF ALL INSULATION FOR ALL CEILING, FLOOR AREAS, PIPES AND EXTERIOR WALLS. (CLASS A = 0-25 FLAME SPREAD); SMOKE DEVELOPMENT DENSITY LESS THAN 450.
 MATERIAL: INSULATING MATERIAL FOR WALLS, CEILINGS, AND FLOORS SHALL BE FIBERGLASS BATTS (UNFACED) AND SHALL COMPLY WITH CBC 720.1, 720.2, 720.3, 720.5 AND 720.7. INSULATION SHALL BE AS MANUFACTURED BY OWENS-CORNING FIBERGLASS CORPORATION, JOHNS-MANVILLE, CERTAINTEES, OR EQUAL.

INSULATION VALUES
 SEE SHEETS A-0.7 FOR MINIMUM REQUIRED INSULATION VALUES FOR SPECIFIC BUILDING SIZE AND CONFIGURATION.

EXTERIOR WALL INSULATION (MIN.)
 R-13 (2x4)
 R-19 (2x6)
 R-30 (2x8)

INTERIOR WALL INSULATION (MIN.)
 R-13

FLOOR INSULATION (MIN.)
 R-19

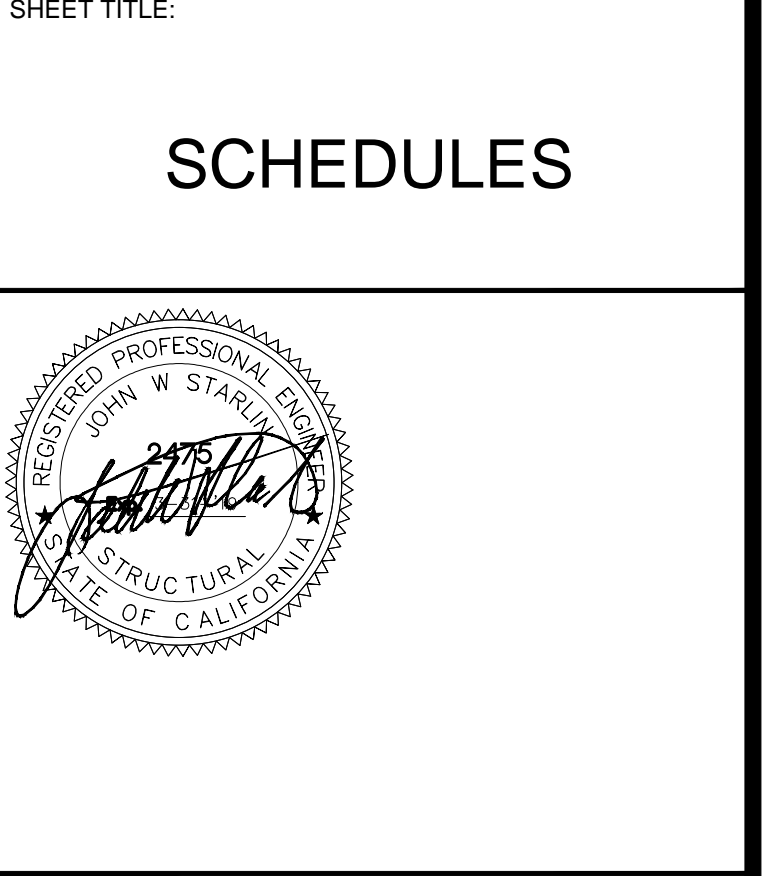
ROOF INSULATION (MIN.)
 R-30

~~STEEL STUD EXTERIOR WALL
 R-19 (2x4) W/ R + CONT. RIGID INSULATION~~

THESE DRAWINGS AND ALL MATERIAL CONTAINED HEREIN ARE THE PROPERTY OF SILVERCREEK INDUSTRIES, INC (SCI Inc) AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR IN PART TO ASSIST IN THE MAKING OF OR FOR THE PURPOSE OF FURNISHING ANY INFORMATION FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE FULL KNOWLEDGE AND WRITTEN CONSENT OF SCI Inc.
 ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc



PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE**
 (1) 72'x60' TESTING & OFFICE BLDG



ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-119394 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 12/17/2020

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116719 INCR: 0
 AC_RM_FLS_DS_SSR KER
 DATE: 10/05/2018

REVISIONS

NO.	DESCRIPTION
1	
2	
3	
4	
5	
6	
7	

SILVER CREEK INDUSTRIES
 24' x 60' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 8-10-18

P.C. SHEET NUMBER

A-0.2

REFER TO "N" SHEETS FOR PROJECT SPECIFIC

Project Name: 04-116719-7260-WD-FLR-WALL-HVAC-C2-15
 Project Address: C2-15-WORST CASE
 Calculation Date/Time: 15/54, Fri, Aug 10, 2018
 Compliance Scope: New/Complete
 Input File Name: 7260-WD-FLR-WALL-HVAC-0215

F. SOLAR HEAT GAIN SUMMARY (Adapted from NRC-1104-01)
 This Section Does Not Apply

G. MECHANICAL HVAC ACCEPTANCE TESTS & FORMS (Adapted from 2016-NRC-402-02)
 Declaration of Required Acceptance Certificates (NRC) - Acceptance Certificates that may be submitted. (Detail copies and verify forms are completed and signed to post in field for field inspector to verify)

Test Description	MECH-01-A	MECH-01-B	MECH-01-C	MECH-01-D	MECH-01-E	MECH-01-F	MECH-01-G	MECH-01-H	MECH-01-I	MECH-01-J	MECH-01-K	MECH-01-L	MECH-01-M	MECH-01-N	MECH-01-O	MECH-01-P	MECH-01-Q	MECH-01-R	MECH-01-S	MECH-01-T	MECH-01-U	MECH-01-V	MECH-01-W	MECH-01-X	MECH-01-Y	MECH-01-Z	MECH-01-AA	MECH-01-AB	MECH-01-AC	MECH-01-AD	MECH-01-AE	MECH-01-AF	MECH-01-AG	MECH-01-AH	MECH-01-AI	MECH-01-AJ	MECH-01-AK	MECH-01-AL	MECH-01-AM	MECH-01-AN	MECH-01-AO	MECH-01-AP	MECH-01-AQ	MECH-01-AR	MECH-01-AS	MECH-01-AT	MECH-01-AU	MECH-01-AV	MECH-01-AW	MECH-01-AX	MECH-01-AY	MECH-01-AZ	MECH-01-BA	MECH-01-BB	MECH-01-BC	MECH-01-BD	MECH-01-BE	MECH-01-BF	MECH-01-BG	MECH-01-BH	MECH-01-BI	MECH-01-BJ	MECH-01-BK	MECH-01-BL	MECH-01-BM	MECH-01-BN	MECH-01-BO	MECH-01-BP	MECH-01-BQ	MECH-01-BR	MECH-01-BS	MECH-01-BT	MECH-01-BU	MECH-01-BV	MECH-01-BW	MECH-01-BX	MECH-01-BY	MECH-01-BZ	MECH-01-CA	MECH-01-CB	MECH-01-CC	MECH-01-CD	MECH-01-CE	MECH-01-CF	MECH-01-CG	MECH-01-CH	MECH-01-CI	MECH-01-CJ	MECH-01-CK	MECH-01-CL	MECH-01-CM	MECH-01-CN	MECH-01-CO	MECH-01-CP	MECH-01-CQ	MECH-01-CR	MECH-01-CS	MECH-01-CT	MECH-01-CU	MECH-01-CV	MECH-01-CW	MECH-01-CX	MECH-01-CY	MECH-01-CZ	MECH-01-DA	MECH-01-DB	MECH-01-DC	MECH-01-DD	MECH-01-DE	MECH-01-DF	MECH-01-DG	MECH-01-DH	MECH-01-DI	MECH-01-DJ	MECH-01-DK	MECH-01-DM	MECH-01-DN	MECH-01-DO	MECH-01-DP	MECH-01-DQ	MECH-01-DR	MECH-01-DS	MECH-01-DT	MECH-01-DU	MECH-01-DV	MECH-01-DW	MECH-01-DX	MECH-01-DY	MECH-01-DZ	MECH-01-EA	MECH-01-EB	MECH-01-EC	MECH-01-ED	MECH-01-EE	MECH-01-EF	MECH-01-EG	MECH-01-EH	MECH-01-EI	MECH-01-EJ	MECH-01-EK	MECH-01-EL	MECH-01-EM	MECH-01-EN	MECH-01-EO	MECH-01-EP	MECH-01-EQ	MECH-01-ER	MECH-01-ES	MECH-01-ET	MECH-01-EU	MECH-01-EV	MECH-01-EW	MECH-01-EX	MECH-01-EY	MECH-01-EZ	MECH-01-FA	MECH-01-FB	MECH-01-FC	MECH-01-FD	MECH-01-FE	MECH-01-FG	MECH-01-FH	MECH-01-FI	MECH-01-FJ	MECH-01-FK	MECH-01-FL	MECH-01-FL	MECH-01-FM	MECH-01-FN	MECH-01-FO	MECH-01-FP	MECH-01-FQ	MECH-01-FR	MECH-01-FS	MECH-01-FT	MECH-01-FU	MECH-01-FV	MECH-01-FW	MECH-01-FX	MECH-01-FY	MECH-01-FZ	MECH-01-GA	MECH-01-GB	MECH-01-GC	MECH-01-GD	MECH-01-GE	MECH-01-GF	MECH-01-GG	MECH-01-GH	MECH-01-GI	MECH-01-GJ	MECH-01-GK	MECH-01-GL	MECH-01-GL	MECH-01-GM	MECH-01-GN	MECH-01-GO	MECH-01-GP	MECH-01-GQ	MECH-01-GR	MECH-01-GS	MECH-01-GT	MECH-01-GU	MECH-01-GV	MECH-01-GW	MECH-01-GX	MECH-01-GY	MECH-01-GZ	MECH-01-HA	MECH-01-HB	MECH-01-HC	MECH-01-HD	MECH-01-HE	MECH-01-HF	MECH-01-HG	MECH-01-HH	MECH-01-HI	MECH-01-HJ	MECH-01-HK	MECH-01-HL	MECH-01-HM	MECH-01-HN	MECH-01-HO	MECH-01-HP	MECH-01-HQ	MECH-01-HR	MECH-01-HS	MECH-01-HT	MECH-01-HU	MECH-01-HV	MECH-01-HW	MECH-01-HX	MECH-01-HY	MECH-01-HZ	MECH-01-IA	MECH-01-IB	MECH-01-IC	MECH-01-ID	MECH-01-IE	MECH-01-IF	MECH-01-IG	MECH-01-IH	MECH-01-II	MECH-01-IJ	MECH-01-IK	MECH-01-IL	MECH-01-IM	MECH-01-IN	MECH-01-IO	MECH-01-IP	MECH-01-IQ	MECH-01-IR	MECH-01-IS	MECH-01-IT	MECH-01-IU	MECH-01-IV	MECH-01-IW	MECH-01-IX	MECH-01-IY	MECH-01-IZ	MECH-01-JA	MECH-01-JB	MECH-01-JC	MECH-01-JD	MECH-01-JE	MECH-01-JF	MECH-01-JG	MECH-01-JH	MECH-01-JI	MECH-01-JJ	MECH-01-JK	MECH-01-JL	MECH-01-JM	MECH-01-JN	MECH-01-JO	MECH-01-JP	MECH-01-JQ	MECH-01-JR	MECH-01-JS	MECH-01-JT	MECH-01-JU	MECH-01-JV	MECH-01-JW	MECH-01-JX	MECH-01-JY	MECH-01-JZ	MECH-01-KA	MECH-01-KB	MECH-01-KC	MECH-01-KD	MECH-01-KE	MECH-01-KF	MECH-01-KG	MECH-01-KH	MECH-01-KI	MECH-01-KJ	MECH-01-KK	MECH-01-KL	MECH-01-KM	MECH-01-KN	MECH-01-KO	MECH-01-KP	MECH-01-KQ	MECH-01-KR	MECH-01-KS	MECH-01-KT	MECH-01-KU	MECH-01-KV	MECH-01-KW	MECH-01-KX	MECH-01-KY	MECH-01-KZ	MECH-01-LA	MECH-01-LB	MECH-01-LC	MECH-01-LD	MECH-01-LE	MECH-01-LF	MECH-01-LG	MECH-01-LH	MECH-01-LI	MECH-01-LJ	MECH-01-LK	MECH-01-LL	MECH-01-LM	MECH-01-LN	MECH-01-LO	MECH-01-LP	MECH-01-LQ	MECH-01-LR	MECH-01-LS	MECH-01-LT	MECH-01-LU	MECH-01-LV	MECH-01-LW	MECH-01-LX	MECH-01-LY	MECH-01-LZ	MECH-01-MA	MECH-01-MB	MECH-01-MC	MECH-01-MD	MECH-01-ME	MECH-01-MF	MECH-01-MG	MECH-01-MH	MECH-01-MI	MECH-01-MJ	MECH-01-MK	MECH-01-ML	MECH-01-MN	MECH-01-MO	MECH-01-MP	MECH-01-MQ	MECH-01-MR	MECH-01-MS	MECH-01-MT	MECH-01-MU	MECH-01-MV	MECH-01-MW	MECH-01-MX	MECH-01-MY	MECH-01-MZ	MECH-01-NA	MECH-01-NB	MECH-01-NC	MECH-01-ND	MECH-01-NE	MECH-01-NF	MECH-01-NG	MECH-01-NH	MECH-01-NI	MECH-01-NJ	MECH-01-NK	MECH-01-NL	MECH-01-NM	MECH-01-NO	MECH-01-NP	MECH-01-NQ	MECH-01-NR	MECH-01-NS	MECH-01-NT	MECH-01-NU	MECH-01-NV	MECH-01-NW	MECH-01-NX	MECH-01-NY	MECH-01-NZ	MECH-01-OA	MECH-01-OB	MECH-01-OC	MECH-01-OD	MECH-01-OE	MECH-01-OF	MECH-01-OG	MECH-01-OH	MECH-01-OI	MECH-01-OJ	MECH-01-OK	MECH-01-OL	MECH-01-OM	MECH-01-ON	MECH-01-OO	MECH-01-OP	MECH-01-OQ	MECH-01-OR	MECH-01-OS	MECH-01-OT	MECH-01-OU	MECH-01-OV	MECH-01-OW	MECH-01-OX	MECH-01-OY	MECH-01-OZ	MECH-01-PA	MECH-01-PB	MECH-01-PC	MECH-01-PD	MECH-01-PE	MECH-01-PF	MECH-01-PG	MECH-01-PH	MECH-01-PI	MECH-01-PJ	MECH-01-PK	MECH-01-PL	MECH-01-PM	MECH-01-PN	MECH-01-PO	MECH-01-PP	MECH-01-PQ	MECH-01-PR	MECH-01-PS	MECH-01-PT	MECH-01-PU	MECH-01-PV	MECH-01-PW	MECH-01-PX	MECH-01-PY	MECH-01-PZ	MECH-01-QA	MECH-01-QB	MECH-01-QC	MECH-01-QD	MECH-01-QE	MECH-01-QF	MECH-01-QG	MECH-01-QH	MECH-01-QI	MECH-01-QJ	MECH-01-QK	MECH-01-QL	MECH-01-QM	MECH-01-QN	MECH-01-QO	MECH-01-QP	MECH-01-QU	MECH-01-QV	MECH-01-QW	MECH-01-QX	MECH-01-QY	MECH-01-QZ	MECH-01-RA	MECH-01-RB	MECH-01-RC	MECH-01-RD	MECH-01-RE	MECH-01-RF	MECH-01-RG	MECH-01-RH	MECH-01-RI	MECH-01-RJ	MECH-01-RK	MECH-01-RL	MECH-01-RM	MECH-01-RN	MECH-01-RO	MECH-01-RR	MECH-01-RS	MECH-01-RT	MECH-01-RU	MECH-01-RV	MECH-01-RW	MECH-01-RX	MECH-01-RY	MECH-01-RZ	MECH-01-SA	MECH-01-SB	MECH-01-SC	MECH-01-SD	MECH-01-SE	MECH-01-SF	MECH-01-SG	MECH-01-SH	MECH-01-SI	MECH-01-SJ	MECH-01-SK	MECH-01-SL	MECH-01-SM	MECH-01-SN	MECH-01-SO	MECH-01-SS	MECH-01-ST	MECH-01-SU	MECH-01-SV	MECH-01-SW	MECH-01-SX	MECH-01-SY	MECH-01-SZ	MECH-01-TA	MECH-01-TB	MECH-01-TC	MECH-01-TD	MECH-01-TE	MECH-01-TF	MECH-01-TG	MECH-01-TH	MECH-01-TI	MECH-01-TJ	MECH-01-TK	MECH-01-TL	MECH-01-TM	MECH-01-TN	MECH-01-TO	MECH-01-TP	MECH-01-TQ	MECH-01-TR	MECH-01-TS	MECH-01-TU	MECH-01-TV	MECH-01-TW	MECH-01-TX	MECH-01-TY	MECH-01-TZ	MECH-01-UA	MECH-01-UB	MECH-01-UC	MECH-01-UD	MECH-01-UE	MECH-01-UF	MECH-01-UG	MECH-01-UH	MECH-01-UI	MECH-01-UJ	MECH-01-UK	MECH-01-UL	MECH-01-UM	MECH-01-UN	MECH-01-UO	MECH-01-UR	MECH-01-US	MECH-01-UT	MECH-01-UV	MECH-01-UW	MECH-01-UX	MECH-01-UY	MECH-01-UZ	MECH-01-VA	MECH-01-VB	MECH-01-VC	MECH-01-VD	MECH-01-VE	MECH-01-VF	MECH-01-VG	MECH-01-VH	MECH-01-VI	MECH-01-VJ	MECH-01-VK	MECH-01-VL	MECH-01-VM	MECH-01-VN	MECH-01-VO	MECH-01-VR	MECH-01-VS	MECH-01-VT	MECH-01-VU	MECH-01-VV	MECH-01-VW	MECH-01-VX	MECH-01-VY	MECH-01-VZ	MECH-01-WA	MECH-01-WB	MECH-01-WC	MECH-01-WD	MECH-01-WE	MECH-01-WF	MECH-01-WG	MECH-01-WH	MECH-01-WI	MECH-01-WJ	MECH-01-WK	MECH-01-WL	MECH-01-WM	MECH-01-WN	MECH-01-WO	MECH-01-WS	MECH-01-WT	MECH-01-WU	MECH-01-WV	MECH-01-WW	MECH-01-WX	MECH-01-WY	MECH-01-WZ	MECH-01-XA	MECH-01-XB	MECH-01-XC	MECH-01-XD	MECH-01-XE	MECH-01-XF	MECH-01-XG	MECH-01-XH	MECH-01-XI	MECH-01-XJ	MECH-01-XK	MECH-01-XL	MECH-01-XM	MECH-01-XN	MECH-01-XO	MECH-01-XP	MECH-01-XQ	MECH-01-XR	MECH-01-XS	MECH-01-XT	MECH-01-XU	MECH-01-XV	MECH-01-XW	MECH-01-XX	MECH-01-XY	MECH-01-XZ	MECH-01-YA	MECH-01-YB	MECH-01-YC	MECH-01-YD	MECH-01-YE	MECH-01-YF	MECH-01-YG	MECH-01-YH	MECH-01-YI	MECH-01-YJ	MECH-01-YK	MECH-01-YL	MECH-01-YM	MECH-01-YN	MECH-01-YO	MECH-01-YP	MECH-01-YQ	MECH-01-YR	MECH-01-YS	MECH-01-YT	MECH-01-YU	MECH-01-YV	MECH-01-YW	MECH-01-YX	MECH-01-YY	MECH-01-YZ	MECH-01-ZA	MECH-01-ZB	MECH-01-ZC	MECH-01-ZD	MECH-01-ZE	MECH-01-ZF	MECH-01-ZG	MECH-01-ZH	MECH-01-ZI	MECH-01-ZJ	MECH-01-ZK	MECH-01-ZL	MECH-01-ZM	MECH-01-ZN	MECH-01-ZO	MECH-01-ZP	MECH-01-ZQ	MECH-01-ZR	MECH-01-ZS	MECH-01-ZT	MECH-01-ZU	MECH-01-ZV	MECH-01-ZW	MECH-01-ZX	MECH-01-ZY	MECH-01-ZZ
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CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
 Report Version: NRC-PRF-01-0-0802017-4377
 Report Generated at: 2018-08-10 15:56:32

Project Name: 04-116719-7260-WD-FLR-WALL-HVAC-C2-15
 Project Address: C2-15-WORST CASE
 Calculation Date/Time: 15/54, Fri, Aug 10, 2018
 Compliance Scope: New/Complete
 Input File Name: 7260-WD-FLR-WALL-HVAC-0215

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRC-1104-01)
 Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space for compliance credit per 910.102 (2) Table 140.4-6)

Location in Building	Occupancy Type (per Table 140.4-6)	Type/Description of Lighting Control (i.e., occupancy sensing, dimming, automatic dimming, etc.)	# of Units	Watts of Lighting	Power Adjustment Factor	Control Credit	# of Acceptance Test Required	Pass	Fail
Space 1	Classrooms, Lecture, Training, Meeting Area	none specified	1	0.00	0	0	0		

B. INDOOR CONDITIONED LIGHTING MANDATORY LIGHTING CONTROLS (Adapted from NRC-1104-01)
 Lighting Control Credits Schedule (includes all lighting controls installed in conditioned space to meet mandatory requirements per 910.102 (1))

Location in Building	Type/Description of Lighting Control (i.e., occupancy sensing, dimming, automatic dimming, etc.)	# of Units	Watts of Lighting	Power Adjustment Factor	Control Credit	# of Acceptance Test Required	Pass	Fail
Space 1	ROOM CONTROLS (NRC-1104-01)	1	0.00	0	0	0		

C. STANDARD METHOD CONDITIONED LIGHTING POWER ALLOWANCE SUMMARY AND CHECKLIST (Adapted from NRC-1104-04)
 General Lighting Power (see Table 140.4-6)
 General Lighting Power from Special Function Areas (see Table 140.4-6)
 Additional "Use or Loss" (see Table 140.4-6)

D. GENERAL LIGHTING POWER (Adapted from NRC-1104-04)
 This Section Does Not Apply

E. GENERAL LIGHTING FROM SPECIAL FUNCTION AREAS (Adapted from NRC-1104-04)
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
 Report Version: NRC-PRF-01-0-0802017-4377
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Project Name: 04-116719-7260-WD-FLR-WALL-HVAC-C2-15
 Project Address: C2-15-WORST CASE
 Calculation Date/Time: 15/54, Fri, Aug 10, 2018
 Compliance Scope: New/Complete
 Input File Name: 7260-WD-FLR-WALL-HVAC-0215

A. ROOM CAVITY RATIO (Adapted from NRC-1104-04)
 Rectangular Rooms

Room Name	Task/Activity Description	Room Height (ft)	Room Width (ft)	Room Length (ft)	RCR	Confirmed	Pass	Fail
NA	NA	NA	NA	NA	NA			

B. ADDITIONAL "USE OR LOSS" (Adapted from NRC-1104-04)
 This Section Does Not Apply

C. Combined Ornamental and Special Effects Lighting
 This Section Does Not Apply

D. Floor Display and Task Lighting
 This Section Does Not Apply

E. Very Valuable Merchandise
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance
 Report Version: NRC-PRF-01-0-0802017-4377
 Report Generated at: 2018-08-10 15:56:32

Project Name: 04-116719-7260-WD-FLR-WALL-HVAC-C2-15
 Project Address: C2-15-WORST CASE
 Calculation Date/Time: 15/54, Fri, Aug 10, 2018
 Compliance Scope: New/Complete
 Input File Name: 7260-WD-FLR-WALL-HVAC-0215

A. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRC-1104-01 and NRC-1104-03)
 Declaration of Required Acceptance Certificates (NRC) - Acceptance Certificates that must be verified in the field. (Detail copies and verify forms are completed and signed to post in field for field inspector to verify)

Test Description	MECH-01-A	MECH-01-B	MECH-01-C	MECH-01-D	MECH-01-E	MECH-01-F	MECH-01-G	MECH-01-H	MECH-01-I	MECH-01-J	MECH-01-K	MECH-01-L	MECH-01-M	MECH-01-N	MECH-01-O	MECH-01-P	MECH-01-Q	MECH-01-R	MECH-01-S	MECH-01-T	MECH-01-U	MECH-01-V	MECH-01-W	MECH-01-X	MECH-01-Y	MECH-01-Z	MECH-01-AA	MECH-01-AB	MECH-01-AC	MECH-01-AD	MECH-01-AE	MECH-01-AF	MECH-01-AG	MECH-01-AH	MECH-01-AI	MECH-01-AJ	MECH-01-AK	MECH-01-AL	MECH-01-AM	MECH-01-AN	MECH-01-AO	MECH-01-AP	MECH-01-AQ	MECH-01-AR	MECH-01-AS	MECH-01-AT	MECH-01-AU	MECH-01-AV	MECH-01-AW	MECH-01-AX	MECH-01-AY	MECH-01-AZ	MECH-01-BA	MECH-01-DB	MECH-01-DC	MECH-01-DD	MECH-01-DE	MECH-01-DF	MECH-01-DG	MECH-01-DH	MECH-01-DI	MECH-01-DJ	MECH-01-DK	MECH-01-DM	MECH-01-DN	MECH-01-DO	MECH-01-DP	MECH-01-DQ	MECH-01-DR	MECH-01-DS	MECH-01-DT	MECH-01-DU	MECH-01-DV	MECH-01-DW	MECH-01-DX	MECH-01-DY	MECH-01-DZ	MECH-01-EA	MECH-01-EB	MECH-01-EC	MECH-01-ED	MECH-01-EE	MECH-01-EF	MECH-01-EG	MECH-01-EH	MECH-01-EI	MECH-01-EJ	MECH-01-EK	MECH-01-EL	MECH-01-EM	MECH-01-EN	MECH-01-EO	MECH-01-EP	MECH-01-EQ	MECH-01-ER	MECH-01-ES	MECH-01-ET	MECH-01-EU	MECH-01-EV	MECH-01-EW	MECH-01-EX	MECH-01-EY	MECH-01-EZ	ME
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I. Outdoor Lighting Schedule and Field Inspection Energy Checklist										
Luminaire Schedule	Installed Watts					Location	Cutoff	Field Inspector	Pass	Fail
	01	02	03	04	05					
Name or Item Tag	Complete Luminaire Description					Primary Function area in which these luminaires are installed (Outdoor Lighting Zone)	BUG Rating	Pos	Fail	
	Watts per Luminaire	CCC Package from NEMA	How wattage was determined	Number of Luminaires	Total Installed Watts in this area (0.5 x 0.5)					
	LED Wallpack	30	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	30	Entry Door	UH:		
								UL:		
								FVH:	<input type="radio"/>	<input type="radio"/>
								BVH:	<input type="radio"/>	<input type="radio"/>
								BH:	<input type="radio"/>	<input type="radio"/>
								UL:		
								FVH:	<input type="radio"/>	<input type="radio"/>
								BVH:	<input type="radio"/>	<input type="radio"/>
								BH:	<input type="radio"/>	<input type="radio"/>
INSTALLED WATTS PAGE TOTAL:						30	Enter sum total of all pages (Sum Total INSTALLED Outdoor lighting wattage) into NRCC-LTO-01-E, Page 1		30	

A. General Information
 Project Address: Total Illuminated Hardscape Area:
 Phase of Construction: New Construction Addition Alteration
 Outdoor Lighting Zone (LZ) LZ-1 LZ-2 LZ-3 LZ-4
 I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114

B. Lighting Compliance Documents (check box for each document included)
 For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.
 NRCC-LTO-01-E Certificate of Compliance
 NRCC-LTO-02-E Outdoor Lighting Controls Certificate of Compliance
 NRCC-LTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance
 NRCC-LTO-04-E Outdoor Lighting Existing Conditions Certificate of Compliance

C. Summary of Allowed Outdoor Lighting Power
 Watts
 01 Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1 30
 Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-LTO-04, page 2.
 Complies ONLY if Installed (Box 02) s Allowed (Box 01)
 02 Sum Total INSTALLED Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3. 30

D. Declaration of Required Installation Certificates
 Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)
 NRCC-LTO-01-E - Must be submitted for all buildings Field Inspector
 NRCC-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance. Field Inspector

E. Declaration of Required Certificates of Acceptance
 Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.)
 NRCC-LTO-02-A - Must be submitted for outdoor lighting controls. Field Inspector

F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7
 01 Name or Symbol Description of exempt luminaire in accordance with the exemptions
 02

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.
 Documentation Author Name: Ryan E McIntosh
 Signature Date: 9.30.17
 Address: 224 E. 1st St, Silver Creek, CA 95239
 City/State/Zip: Silver Creek, CA 95239

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John W Starlin
 Signature Date: 6.25.18
 License: 2475
 Address: 224 E. 1st St, Silver Creek, CA 95239
 City/State/Zip: Silver Creek, CA 95239

C. Voltage Drop
 Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(c).
 The electrical power distribution system meets the voltage drop requirement of Section 130.5(c). The maximum combined voltage drop on feeder conductors and branch circuit conductors to the furthest connected load or outlet, do not exceed 5%.
 Voltage drop calculation documents showing compliance to Section 130.5(c) are submitted as part of the compliance document submital.

D. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles
 Check one or more boxes below for applicable requirements of Section 130.5(d) for the electrical power distribution system.
 The control is capable of automatically shutting OFF the controlled receptacles when the space is typically unoccupied, either at the receptacle or circuit level. For the automatic time switch control, it incorporates an override control that allows the controlled receptacle to remain ON for no more than 2 hours when an override is initiated and an automatic holiday "shut-OFF" feature that turns OFF all loads for at least 24 hours and then resumes the normally scheduled operation. Countdown timer switches are not to be used with the automatic time switch control requirements. The controls meet the requirement of Section 130.5(d).
 There is at least one controlled receptacle within 6 ft from each uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d).
 There are installed split wired receptacles with at least one controlled and one uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d).
 Permanent and durable marking for controlled receptacles or circuits to differentiate them from uncontrolled receptacles or circuits is provided. The markings meet the requirement of Section 130.5(d).
 For hotel and motel guest rooms, there are controlled receptacles for at least one-half of the 120-volt receptacles in each guest room. Electric circuits serving controlled receptacles in guestrooms are installed to have captive key controls, occupancy sensing controls, or automatic controls so the power is switched off no longer than 30 minutes after the guest room has been vacated. The receptacles meet the requirement of Section 130.5(d).
 Receptacles that are only for the following purposes are exempted from Section 130.5(d):
 - Receptacles specifically for refrigerators and water dispensers in kitchen areas.
 - Receptacles located a minimum of six feet above the floor that are specifically for clocks.
 - Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.
 - Receptacles on circuits rated more than 20 amperes.
 - Receptacles connected to an uninterruptible power supply (UPS) that are intended to be in continuous use, 24 hours per day/365 days per year, and are marked to differentiate them from other uncontrolled receptacles or circuits.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.
 Documentation Author Name: Ryan E McIntosh
 Signature Date: 9.30.17
 Address: 224 E. 1st St, Silver Creek, CA 95239
 City/State/Zip: Silver Creek, CA 95239

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John W Starlin
 Signature Date: 6.25.18
 License: 2475
 Address: 224 E. 1st St, Silver Creek, CA 95239
 City/State/Zip: Silver Creek, CA 95239

General Information
 Project Address: Climate Zone: Conditioned Floor Area: 960 Unconditioned Floor Area:
 Building Type: Nonresidential High-Rise Residential Hotel/Motel
 Schools Relocatable Public Schools Conditioned Spaces Unconditioned Spaces
 Phase of Construction: New Construction Addition Alteration

A. Service Electrical Metering
 Check one of the three boxes below if the electrical power distribution system is in compliance with Section 130.5(a).
 For newly installed electrical service in newly constructed buildings, Service Electrical Metering is required according to Section 130.5(a). Fill out Column 2 through 6 of table below.
 For new or replacement electrical service equipment in existing buildings, Service Electrical Metering is required according to Section 141.0(b)(2)(P). Fill out Column 1 through 6 of table below.
 EXCEPTION to Electrical Service Metering: Service or feeder for which the utility company provides a metering system that indicates instantaneous kW demand and kWh for a utility-defined period. Fill out Column 1, 2 and 6 of table below with the compliance information.
 Fill out a separate line for each electrical service that is connected to the building.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)	Exception to 130.5 (a)	Field Inspector			
01	02	03	04	05	06	07	08
Electrical Service Designation/ Location/Description	kVA	Instantaneous (at the time) kW	Historical peak (kW)	Tracking kWh for a user-definable period	kWh per rate period	Utility metering system	Check that the metering complies
Building Feeder	49	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

B. Separation of Electrical Circuits for Electrical Energy Monitoring
 Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(b).
 The electrical power distribution system meets the separation of electrical circuits for electrical energy monitoring requirement of Section 130.5(b). The electrical power distribution systems is designed so that measurement devices can monitor the electrical energy usage of load types according to TABLE 130.5-B.
 Describe the electrical power distribution system installed and the compliance method chosen in meeting the requirement of Section 130.5(b). Use the space below to include the information. Examples of compliance methods are detailed in Nonresidential Compliance Manual Chapter 8. Fill out Column 1 thru 3 with the compliance information.

General Information	Electrical Power Distribution System Information and Method of Compliance	Electrical Service Rating	Enforcement Agency
01	02	03	04
Electrical Service Designation/Location/Description	Describe the electrical power distribution system installed and the compliance method used	kVA	Check that the system complies
NA	NA - System is less than 50kVA	49	<input type="checkbox"/>

Field Inspector Notes:



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SILVER CREEK INDUSTRIES, INC.



Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE
 (1) 72'x60' TESTING & OFFICE BLDG

SHEET TITLE:

CERTIFICATE OF COMPLIANCE FORMS

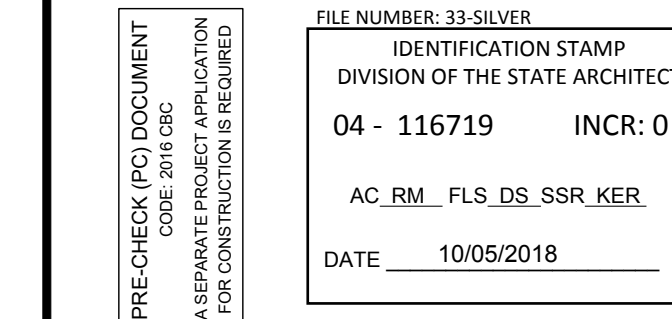


ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

1	
2	
3	
4	
5	
6	
7	
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SILVER CREEK INDUSTRIES
 24' x 60' PC
 PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 8-10-18
 P.C. SHEET NUMBER

A-0.6A

2460 BUILDING - DEFAULT ROOF
WOOD FLOOR + WALL MOUNT HEATPUMP

Rotation	STANDARD TDV	PROPOSED TDV	COMPLIES / FAIL	MARGIN %
30	345.65	309.16	COMPLIES	10.6%
75	330.46	307.31	COMPLIES	7.0%
120	356.94	314.2	COMPLIES	12.0%
165	363.98	319.65	COMPLIES	12.2%
210	360.29	316.43	COMPLIES	12.2%
255	311.23	309.21	COMPLIES	6.6%
300	345.83	310.2	COMPLIES	10.3%
345	350.14	310.66	COMPLIES	11.3%
RANGE:				5.5%

Rotation	STANDARD TDV	PROPOSED TDV	COMPLIES / FAIL	MARGIN %
30	411.03	365.77	COMPLIES	11.0%
75	400.86	363.81	COMPLIES	9.2%
120	405.44	366.68	COMPLIES	8.8%
165	417.67	374.23	COMPLIES	10.4%
210	413.37	369.8	COMPLIES	10.5%
255	399.36	361.62	COMPLIES	9.5%
300	408.38	363.03	COMPLIES	11.5%
345	414.1	365.55	COMPLIES	11.7%
RANGE:				2.9%

Rotation	STANDARD TDV	PROPOSED TDV	COMPLIES / FAIL	MARGIN %
30	327.44	287.21	COMPLIES	14.5%
75	313.67	276.97	COMPLIES	11.7%
120	320.14	282.35	COMPLIES	11.8%
165	323.36	286.82	COMPLIES	11.2%
210	321.84	284.97	COMPLIES	11.5%
255	316.13	279.99	COMPLIES	11.4%
300	329.3	280.3	COMPLIES	14.9%
345	334.74	280.38	COMPLIES	16.2%
RANGE:				4.9%

7260 BUILDING - DEFAULT ROOF
WOOD FLOOR + WALL MOUNT HEATPUMP

Rotation	STANDARD TDV	PROPOSED TDV	COMPLIES / FAIL	MARGIN %
30	313.5	287.21	COMPLIES	8.4%
75	313.16	287.49	COMPLIES	8.2%
120	313.86	287.47	COMPLIES	8.4%
165	313.07	286.85	COMPLIES	8.1%
210	313.6	287.21	COMPLIES	8.4%
255	313.16	287.49	COMPLIES	8.2%
300	313.86	287.47	COMPLIES	8.4%
345	313.52	286.57	COMPLIES	8.5%
RANGE:				0.3%

Rotation	STANDARD TDV	PROPOSED TDV	COMPLIES / FAIL	MARGIN %
30	372.66	339.67	COMPLIES	8.9%
75	372.27	339.04	COMPLIES	8.7%
120	372.9	339.97	COMPLIES	8.8%
165	370.59	338.89	COMPLIES	8.6%
210	372.66	339.67	COMPLIES	8.9%
255	372.27	339.04	COMPLIES	8.7%
300	372.9	339.97	COMPLIES	8.8%
345	370.59	338.89	COMPLIES	8.6%
RANGE:				0.3%

Rotation	STANDARD TDV	PROPOSED TDV	COMPLIES / FAIL	MARGIN %
30	290.38	254.95	COMPLIES	12.2%
75	285.06	255.06	COMPLIES	11.9%
120	290.43	255.07	COMPLIES	12.2%
165	287.64	254.28	COMPLIES	11.6%
210	290.38	254.95	COMPLIES	12.2%
255	289.63	255.06	COMPLIES	11.9%
300	290.43	255.07	COMPLIES	12.2%
345	287.64	254.28	COMPLIES	11.6%
RANGE:				0.4%

CALIFORNIA ENERGY CODE - MANDATORY MEASURES

INTERIOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c).
- EACH ROOM AND AREA WITH FLOOR-TO-CEILING WALLS IN THIS BUILDING SHALL BE EQUIPPED WITH MANUAL ON AND OFF LIGHTING CONTROLS PER SECTION 130.1(a).
- ALL ROOMS AND AREAS 100 SF OR GREATER AND WITH MORE THAN 0.5 WATT PER SF OF LIGHTING LOAD WITH 2 OR MORE LUMINAIRES SHALL BE CONTROLLED WITH MULTILEVEL SWITCHING FOR UNIFORM REDUCTION OF LIGHTING WITHIN THE ROOM. CONTROL STEPS SHALL MEET REQUIREMENTS IN TABLE 130.1-A.
- PROVIDE VACANCY SENSOR OR PARTIAL-ON OCCUPANCY SENSOR IN ALL ROOMS.
- ALL GENERAL LIGHTING IN PRIMARY SIDLIT DAYLIT ZONES AND SKYLIT DAYLIT ZONES IN ENCLOSED SPACES WITH 120 WATTS, OR MORE IN COMBINED PRIMARY/SKYLIT ZONES AND 24 SF, OR MORE OF PENETRATION, SHALL BE CONTROLLED WITH AUTOMATIC DAYLIGHTING CONTROLS PER SECTION 130.1(d).

OUTDOOR LIGHTING MANDATORY MEASURES:

- ALL LIGHTING CONTROL DEVICES AND SYSTEMS, BALLASTS, AND LUMINAIRES SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.9.
- ALL LUMINAIRES SHALL BE FACTORY-LABELED PER SECTION 130.0(c).
- ALL OUTDOOR LIGHTING SHALL BE OPERATED WITH CONTROLS WHICH AUTOMATICALLY TURNS OFF OUTDOOR LIGHTING WHEN DAYLIGHT IS AVAILABLE PER SECTION 130.2(c).
- ALL OUTDOOR LIGHTING SHALL BE INDEPENDENTLY CONTROLLED FROM OTHER ELECTRICAL LOADS WHICH ARE CONTROLLED BY AN AUTOMATIC SCHEDULING CONTROL PER SECTION 130.2(e).

SPACE CONDITIONING EQUIPMENT MANDATORY MEASURES:

- ALL SPACE CONDITIONING EQUIPMENT SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.2.
- MECHANICAL VENTILATION SHALL BE PROVIDED PER SECTION 120.1.
- ALL SPACE CONDITIONING CONTROLS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 120.2.
- ALL AIR DISTRIBUTION SYSTEM DUCTS AND FLENUMS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 120.4.

BUILDING ENVELOPE MANDATORY MEASURES:

- ALL FENESTRATION PRODUCTS AND EXTERIOR DOORS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.6.
- ALL JOINTS, PENETRATIONS AND OTHER OPENINGS IN THE BUILDING ENVELOPE SHALL BE SEALED TO LIMIT INFILTRATION AND EXFILTRATION PER SECTION 110.7.
- ALL INSULATION, ROOFING PRODUCTS AND RADIANT BARRIERS SHALL MEET THE APPLICABLE REQUIREMENTS OF SECTION 110.8.
- THE WEIGHTED AVERAGE U-FACTOR OF THE ROOF ASSEMBLY SHALL NOT EXCEED 0.075 PER SECTION 120.7(a).
- THE WEIGHTED AVERAGE U-FACTOR OF THE EXTERIOR WALL ASSEMBLY SHALL NOT EXCEED 0.110 PER SECTION 120.7(b).
- THE WEIGHTED AVERAGE U-FACTOR OF THE FLOOR ASSEMBLY SHALL NOT EXCEED 0.071 PER SECTION 120.7(c).

SOLAR READY AND ELECTRICAL DISTRIBUTION MANDATORY MEASURES:

- A SOLAR ZONE SHALL BE PROVIDED ON THE ROOF OF THE BUILDING PER SECTION 110.10(b). A PATHWAY SHALL BE PROVIDED FROM THE SOLAR ZONE TO AN INDICATED LOCATION SUITABLE FOR THE FUTURE INSTALLATION OF INVERTERS AND METERING EQUIPMENT PER SECTION 110.10(c).
- ELECTRICAL SERVICE METERING SHALL UTILIZE A PERMANENTLY INSTALLED METERING SYSTEM PER SECTION 130.5(a).
- SEPERATION OF ELECTRICAL CIRCUITS SHALL NOT BE REQUIRED WHERE ELECTRICAL SERVICE OR FEEDER IS RATED AT 50 KVA OR LESS PER SECTION 130.5(b).
- THE VOLTAGE DROP TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5% PER SECTION 130.5(c).

24' (min) - 72' (max) x60' BUILDING - WALL MOUNTED HEAT PUMP

ALL ZONES (MIN.DESIGN)	
ZONE #	1 - 16
Wall (min. R value)	13 (U = 0.082)
Floor (min. R value)	19 (U = 0.066)
Roof (min. R value)	30 (U = 0.055)
HVAC	
Max. Tonnage	5 * **
Min. EER / COP	10 / 3 *
Outside Air	PER MECHANICAL PLAN
Occupancy Sensor	YES
DCV	NO

24' (min) - 72' (max) x60' BUILDING - ROOF MOUNTED HEAT PUMP

ALL ZONES (MIN.DESIGN)	
ZONE #	1 - 16
Wall (min. R value)	13 (U = 0.082)
Floor (min. R value)	19 (U = 0.066)
Roof (min. R value)	30 (U = 0.055)
HVAC	
Max. Tonnage	5 * **
Min. EER / HSPF	11.5 / 8.0 *
Outside Air	PER MECHANICAL PLAN
Occupancy Sensor	YES
DCV	NO

LEGEND

Occupancy Sensor: Ceiling mounted occupancy sensor with dimming controls. Automatic on for low level lighting only, full by manual activation.
DCV: Demand Control Ventilation

NOTE

Interior lights shall be dimmable LED fixtures, 60 Watts Max per fixtures, 8 fixtures per module (UNO)
Windows shall be IWC 6200 horizontal slider (S8 60 / Clr) or equal, U-Factor = .510 (Max), SHGC = .360 (Max), Visual Transmittance = 0.500 (Min)
Doors shall be hollow metal, uninsulated single layer doors (Min), U-Factor = 1.450 (Max)
Buildings utilizing an exterior wall constructed of steel stud framing shall have min. R4 continuous rigid insulation (EPS or EPX material) on the interior side of the wall.
The roof material used in the design analysis utilizes the default values specified in Section 110.8(i).
Aged solar reflectance of roof finish = 0.08, Aged thermal emittance of roof finish = 0.75
* Space conditioning systems installed on buildings being utilized in climate zone 16 shall utilize a 5kw electric resistance heating strip for supplemental heating.

** HVAC unit tonnage shall not exceed 4 tons when the space served is 720 SF (or less)



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SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG

SHEET TITLE:

ENERGY CALC'S.
VALUES BY ZONE &
CALGREEN NOTES



ENERGY CALC'S | 1

ARCHITECT OF RECORD
SUBMISSION DATE

CONSTRUCTION WASTE MANAGEMENT PLAN

- A. DEFINITIONS
- CONSTRUCTION AND DEMOLITION (C&D) WASTE: INCLUDES ALL NON-HAZARDOUS SOLID WASTES RESULTING FROM CONSTRUCTION, REMODELING, ALTERATIONS, REPAIR AND DEMOLITION. INCLUDES MATERIAL THAT IS RECYCLED, REUSED, SALVAGED OR DISPOSED AS GARBAGE.
 - RECYCLING: THE PROCESS OF SORTING, CLEANING, TREATING, AND RECONSTITUTING MATERIALS FOR THE PURPOSE OF USING THE MATERIAL IN THE MANUFACTURE OF A NEW PRODUCT.
 - CO-MINGLED C&D WASTE: THE PROCESS OF COLLECTING MIXED RECYCLABLE MATERIALS IN ONE CONTAINER ON-SITE. THE CONTAINER IS TAKEN TO A MATERIAL RECOVERY FACILITY WHERE MATERIALS ARE SEPARATED FOR RECYCLING.
- B. PERFORMANCE REQUIREMENTS
- GENERAL: WASTE MATERIAL GENERATED DURING PROJECTS SHALL BE RECYCLED OR REUSED WHENEVER PRACTICABLE. DIVERT A MINIMUM OF 90% C&D WASTE, BY WEIGHT, FROM THE LANDFILL BY A CO-MINGLED C&D RECYCLING FACILITY.
 - C&D WASTE MATERIALS THAT SHALL BE SALVAGED, REUSED OR RECYCLED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
CONCRETE, METALS, WINDOW GLASS, WOOD, GYPSUM BOARD, CARPETING AND PAD, CEILING TILES
 - QUALITY ASSURANCE
 - PRECONSTRUCTION CONFERENCE: REVIEW METHODS AND PROCEDURES RELATED TO WASTE MANAGEMENT INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:
 - REVIEW AND DISCUSS WASTE MANAGEMENT PLAN INCLUDING RESPONSIBILITIES OF WASTE MANAGEMENT COORDINATOR.
 - REVIEW REQUIREMENTS FOR DOCUMENTING QUANTITIES OF EACH TYPE OF MATERIALS THAT WILL BE SALVAGED, RECYCLED OR DISPOSED OF AS WASTE.
 - REVIEW PROCEDURES FOR PERIODIC WASTE COLLECTION AND TRANSPORTATION TO RECYCLING AND DISPOSAL FACILITIES.
 - REVIEW WASTE MANAGEMENT REQUIREMENTS FOR EACH TRADE.
- D. WASTE MANAGEMENT PLAN
- IDENTIFY AND CONTRACT WITH A WASTE MANAGEMENT SERVICES PROVIDER OR ASSIGN RESPONSIBILITY TO INHOUSE WASTE MANAGEMENT PROJECT ADMINISTRATOR
 - RESPONSIBLE PARTY SHALL DEVELOP AND PROVIDE A PLAN WHICH INCLUDES THE FOLLOWING INFORMATION:
 - TYPES OF C&D WASTE EXPECTED TO BE GENERATED DURING DEMOLITION AND CONSTRUCTION.
 - PROPOSED METHODS FOR C&D WASTE SALVAGE, REUSE, RECYCLING AND DISPOSAL.
 - PROPOSED METHODS FOR SALVAGE, REUSE, RECYCLING AND DISPOSAL DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, ONE OR MORE OF THE FOLLOWING:
 - REQUIRING SUBCONTRACTORS TO TAKE THEIR C&D WASTE TO A RECYCLING FACILITY.
 - CONTRACTING WITH A RECYCLING HAULER TO HAUL RECYCLABLE C&D WASTE TO AN APPROVED RECYCLING OR MATERIAL RECOVERY FACILITY.
 - PROCESSING AND REUSING MATERIALS ON-SITE.
- E. WASTE MANAGEMENT REPORT
- WASTE MANAGEMENT SERVICES PROVIDER OR ADMINISTRATOR SHALL SUBMIT A CUMULATIVE WASTE MANAGEMENT REPORT ON A REGULAR BASIS WHICH INCLUDES:
 - A RECORD OF THE TYPE AND QUANTITY, BY WEIGHT, OF EACH MATERIAL SALVAGED, REUSED, RECYCLED OR DISPOSED.
 - TOTAL QUANTITY OF WASTE RECYCLED AS A PERCENTAGE OF TOTAL WASTE.
 - DISPOSAL RECEIPTS: COPY OF RECEIPTS ISSUED BY A DISPOSAL FACILITY FOR C&D WASTE THAT IS DISPOSED IN A LANDFILL.
 - RECYCLED RECEIPTS: COPY OF RECEIPTS ISSUED BY APPROVED RECYCLING FACILITIES FOR COMINGLED MATERIALS. INCLUDE WEIGHT TICKETS FROM THE RECYCLING HAULER OR MATERIAL RECOVERY FACILITY AND VERIFICATION OF THE RECYCLING RATE FOR CO-MINGLED LOADS AT THE FACILITY.
 - SALVAGED MATERIALS DOCUMENTATION: TYPES AND QUANTITIES, BY WEIGHT, FOR MATERIALS SALVAGED FOR REUSE ON SITE, SOLD OR DONATED TO A THIRD PARTY.
- F. CONSTRUCTION WASTE MANAGEMENT, GENERAL REQUIREMENTS
- USE DETAILED MATERIAL ESTIMATES TO REDUCE RISK OF UNPLANNED AND POTENTIALLY WASTEFUL CUTS.
 - TO THE GREATEST EXTENT POSSIBLE, INCLUDE IN MATERIAL PURCHASING AGREEMENTS A WASTE REDUCTION PROVISION REQUESTING THAT MATERIALS AND EQUIPMENT BE DELIVERED IN PACKAGING MADE OF RECYCLABLE MATERIAL THAT THEY REDUCE THE AMOUNT OF PACKAGING, THAT PACKAGING BE TAKEN BACK FOR REUSE OR RECYCLING, AND TO TAKE BACK ALL UNUSED PRODUCT. INSURE THAT SUBCONTRACTORS REQUIRE THE SAME PROVISIONS IN THEIR PURCHASE AGREEMENTS.
 - CONDUCT REGULAR VISUAL INSPECTIONS OF DUMPSTERS AND RECYCLING BINS TO REMOVE CONTAMINANTS.
 - A MINIMUM OF 65% (BY WEIGHT) OF THE NON-HAZARDOUS CONSTRUCTION WASTE SHALL BE RECYCLED AND/OR SALVAGED FOR REUSE.
 - CONSTRUCTION WASTE MATERIALS SHALL BE COLLECTED IN CO-MINGLED CONTAINERS EXCEPT STEEL AND WOOD SHALL BE COLLECTED SEPARATELY.
 - CONSTRUCTION WASTE SHALL BE HAULED, SEPARATED, AND MEASURED BY CR-R (OR AN EQUAL WASTE MANAGEMENT COMPANY). A REPORT SHALL BE PROVIDED INDICATING THE DIVERSION RATE (BY VOLUME).
- G. REMOVAL OF CONSTRUCTION WASTE MATERIALS, GENERAL REQUIREMENTS
- REMOVE C&D WASTE MATERIALS FROM PROJECT SITE ON A REGULAR BASIS. DO NOT ALLOW C&D WASTE TO ACCUMULATE ON-SITE.
 - TRANSPORT C&D WASTE MATERIALS OFF PROPERTY AND LEGALLY DISPOSE OF THEM.
 - BURNING OF C&D WASTE IS NOT PERMITTED.

IEQ PLAN

- A. CONSTRUCTION PHASE:
- FILTERS
 - ALL MECHANICAL EQUIPMENT WHICH REQUIRES A FILTER SHALL NOT BE OPERATED WITHOUT A FILTER IN PLACE.
 - ALL FILTERS SHALL HAVE A MERV RATING OF 8 OR GREATER.
 - A PRESSURE GAUGE SHALL BE INSTALLED AT ALL MECHANICAL EQUIPMENT REQUIRING FILTERS WHICH MEASURES THE PRESSURE DROP ACROSS THE FILTER AND WHICH IS MARKED TO INDICATE WHEN THE FILTER REQUIRES CLEANING OR REPLACEMENT.
 - PROTECTION OF MATERIALS
 - ALL BUILDING MATERIALS SHALL BE PROTECTED FROM WEATHER AND OTHER MOISTURE SOURCES WHEN RECOMMEND BY THE MANUFACTURER.
 - ANY POROUS MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL NOT BE INSTALLED.
 - ANY OTHER MATERIAL WITH VISIBLE MICROBIAL GROWTH SHALL BE THOROUGHLY CLEAN AND DECONTAMINATED PRIOR TO INSTALLATION.
 - PROTECTION OF INTERIOR ENVIRONMENT
 - WHENEVER POSSIBLE ALL SANDING, CUTTING GRINDING OR OTHER ACTIVITIES WHICH WILL GENERATE AIRBORNE PARTICLES SHALL BE PERFORMED AWAY FROM THE BUILDING.
 - WHERE AIRBORNE PARTICLE GENERATING ACTIVITIES CANNOT BE PERFORMED AWAY FROM THE BUILDING PROTECTIVE MEASURES SHALL BE TAKE TO SEAL INTERIOR AREAS TO REDUCE OR ELIMINATE PARTICLE TRANSFER.
 - ANY TEMPORARILY UNFLEED EXTERIOR OPENINGS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, TO PREVENT THE MOISTURE AND OTHER CONTAMINANTS FROM ENTERING THE BUILDING.
 - ALL WELDING SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF EXTERIOR WALLS WHEREVER POSSIBLE.
 - DUCT SYSTEM CONSTRUCTION
 - THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA HV AC DUCT CONSTRUCTION STANDARDS FOR METAL AND FLEXIBLE DUCTWORK.
 - THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER THE SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.
 - THE DUCT SYSTEMS SHALL BE CONSTRUCTED AND INSTALLED PER NFPA 60A & NFPA 60B.
 - ONCE INSTALLED ALL OPEN DUCTS AND REGISTERS SHALL BE PROTECTED WITH PLASTIC SHEETING, OR OTHER BARRIER, UNTIL THE BUILDING HAS BEEN COMPLETELY INSTALLED AND ENCLOSED AND THE MECHANICAL SYSTEM IS READY TO BE STARTED.
 - ALL OIL FILM SHALL BE REMOVED FROM DUCTS PRIOR TO INSTALLATION.
 - ALL DUST AND DIRT SHALL BE REMOVED FROM BOTH THE INTERIOR AND EXTERIOR OF ALL DUCTS PRIOR TO INSTALLATION.
 - MATERIALS INSTALLATION
 - NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE PROVIDED WHEN MATERIALS WHICH EMIT VOLATILE ORGANIC COMPOUNDS (VOC) ARE INSTALLED.
 - NATURAL OR TEMPORARY MECHANICAL VENTILATION SHALL BE CONTINUED UNTIL SUCH A TIME THAT THE VOC EMISSIONS HAVE DISSIPATED.
 - ANY TEMPORARY VENTILATION SHALL BE EXHAUSTED TO THE EXTERIOR OF THE BUILDING.
 - WHEN TEMPORARY MECHANICAL VENTILATION IS USED A CONSTRUCTION FILTER SHALL BE INSTALLED WITH MERV RATING OF NOT LESS THAN 8. THE CONSTRUCTION FILTER SHALL BE REPLACED PRIOR TO OCCUPANCY.
 - MATERIALS INSTALLATION SHALL BE SEQUENCED WHENEVER POSSIBLE TO ALLOW FOR THE INSTALLATION OF VOC EMITTING MATERIALS PRIOR TO THE INSTALLATION OF POROUS AND FIBROUS MATERIALS.
 - MATERIALS WHICH EMIT A SIGNIFICANT AMOUNT OF VOCs OR ODORS SHALL BE STORED IN A MANNER WHICH ALLOWS FOR OFF-GASSING, IN A DRY AND WELL VENTILATED AREA, PRIOR TO INSTALLATION.
 - CARPETED SURFACES SHALL BE VACUUMED PER THE CARGREEN LABEL VACUUM CLEANER PROGRAM REQUIREMENTS AT COMPLETION OF CONSTRUCTION AND PRIOR TO OCCUPANCY.

LOW EMITTING MATERIALS + MOISTURE MANAGEMENT

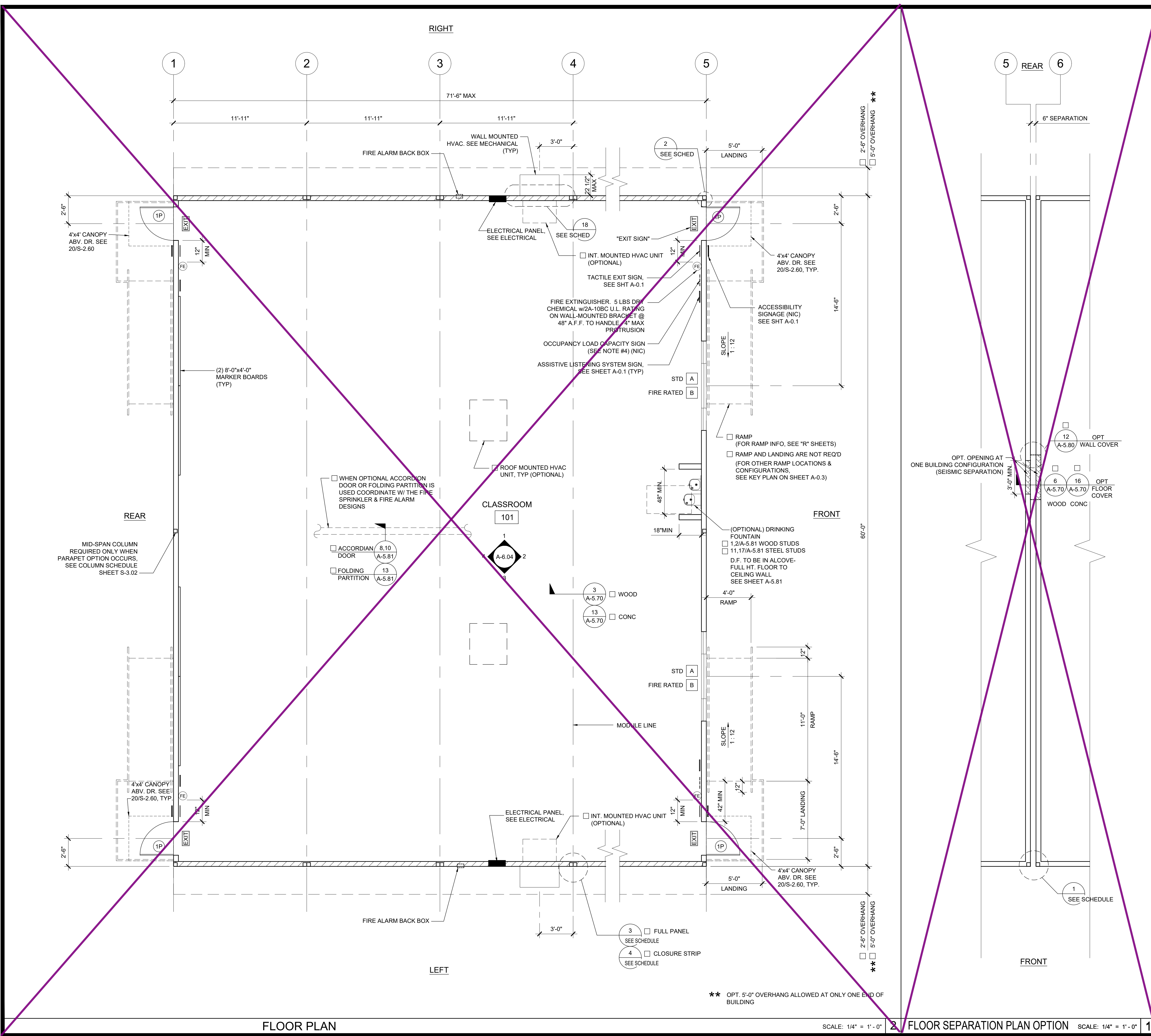
- SEALANTS AND CAULKS
- ALL ADHESIVES, SEALANTS AND CAULKS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.1. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO CARPET, RESILIENT AND WOOD FLOORING ADHESIVES, BASE COVE ADHESIVES, CERAMIC TILE ADHESIVES, DRYWALL AND PANEL ADHESIVES, AEROSOL ADHESIVES, ADHESIVE PRIMERS, ACOUSTICAL SEALANTS, FIRE STOP SEALANTS, HVAC DUCT SEALANTS, SEALANT PRIMERS, AND CAULKS.
- PAINTS & COATINGS
- ALL PAINTS AND ARCHITECTURAL COATINGS APPLIED IN THE PROJECT'S INTERIOR SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.3. PRODUCTS IN THIS CATEGORY INCLUDE BUT ARE NOT LIMITED TO SEALERS, STAINS, CLEAR WOOD FINISHES, FLOOR SEALERS AND COATINGS, WATERPROOFING SEALERS, PRIMERS, FLAT PAINTS AND COATINGS, NON-FLAT PAINTS AND COATINGS, AND RUST PREVENTATIVE COATINGS.
- RESILIENT FLOORING SYSTEMS
- ALL FLOORING SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.8.
- COMPOSITE WOOD
- ALL OF THE COMPOSITE WOOD PRODUCTS INSTALLED IN THE PROJECT SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.5. COMPOSITE WOOD PRODUCTS IN THIS CATEGORY ARE DEFINED IN THE CALIFORNIA AIR RESOURCES BOARD (CARB) AIRBORNE TOXIC CONTROL MEASURE (ATOM) TO REDUCE FORMALDEHYDE EMISSIONS FROM COMPOSITE WOOD PRODUCTS (SECTIONS 9120-9320 12, TITLE 17, CALIFORNIA CODE OF REGULATIONS. THE AFFECTED PRODUCTS INCLUDE HARDWOOD PLYWOOD, PLYWOOD WITH DECORATIVE SOFTWOOD VENEER, LAMINATED PRODUCTS WITH A COMPOSITE WOOD CORE OR PLATFORM, PARTICLEBOARD, MEDIUM DENSITY FIBERBOARD (MDF), AND FINISHED GOODS FABRICATED FROM THESE PRODUCTS.
- CEILING & WALL SYSTEMS
- ALL CEILING AND WALL SYSTEMS INSTALLED IN THE PROJECT'S INTERIOR TOTALING 90% OR MORE OF THE TOTAL AREAS OF SUCH PRODUCTS SHALL MEET THESE REQUIREMENTS: CEILING AND WALL SYSTEMS INCLUDE BUT ARE NOT LIMITED TO CEILING INSULATION INSTALLED WITHIN THE STRUCTURAL ENVELOPE, WALL INSULATION, ACOUSTICAL CEILING PANELS, GYPSUM BOARD WALL PANELS, TACKABLE WALL PANELS, AND WALL COVERINGS. CERAMIC TILE AND OTHER ORGANIC-FREE METAL-OR MINERAL-BASED WALL COVERINGS ARE AVAILABLE FOR CREDIT WITHOUT ANY TESTING REQUIREMENTS. SITE APPLIED ADHESIVES AND SEALANTS AND SITE APPLIED PAINTS AND COATINGS ASSOCIATED WITH CEILING AND WALL SYSTEMS ARE TREATED UNDER OPTIONS 1 AND 2, RESPECTIVELY. CEILING AND WALL SYSTEMS SHALL BE TESTED AND EVALUATED FOR EMISSIONS OF VOCs OF CONCERN WITH RESPECT TO CHRONIC INHALATION EXPOSURES FOLLOWING THE SPECIFICATIONS OF THE CDPH STANDARD METHOD V1.1. THE SEPARATE COMPONENTS OR DISTINCT LAYERS OF THESE SYSTEMS SHALL BE MODELED TO THE STANDARD PRACTICE SCHOOL CLASSROOM USING THE CLASSROOM CEILING AREA AND/OR WALL AREA AS APPROPRIATE. FOR SYSTEMS CONSISTING OF MORE THAN ONE DISTINCT LAYER (E.G., WALLS COMPRISED OF INSULATION, WALL PANEL AND WALL COVERING), ALL LAYERS SHALL INDIVIDUALLY MEET THE REQUIREMENTS OF THE STANDARD PRACTICE.
- CARPET SYSTEMS
- ALL CARPET SYSTEMS SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.504.4.9. CARPETS SHALL BE PER THE CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR SHALL BE LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE. ALL CARPET PAD SHALL BE PER THE CARPET AND RUG INSTITUTE GREEN LABEL PROGRAM.
- PRIMARY EXTERIOR DOORS
- ALL WALL AND FLOOR SURFACES WITHIN 24" OF A PRIMARY EXTERIOR DOOR SHALL BE NON-ABSORBANT. SEE DETAIL A1- FOR TYPICAL FLOOR AND WALL FINISH DIAGRAM.
- ALL PRIMARY EXTERIOR DOORS SHALL BE PROTECTED BY AN OVERHANG, AWNING OR SIMILAR ELEMENT NOT LESS THAN 48" IN DEPTH.

OUTDOOR AIR QUALITY

HVAC, REFRIGERATION AND FIRE SUPPRESSION SYSTEMS SHALL NOT CONTAIN CFCs OR HALONS.

ACOUSTICAL CONTROL

- INTERIOR WALLS BETWEEN CLASSROOMS AND ADJACENT SPACES (WHERE OCCURS) SHALL BE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE AND SHALL HAVE A STC RATING OF NOT LESS THAN 40. ONE OF THE FOLLOWING ASSEMBLY SHALL BE USED:
- 2x4 (MIN) STUDS @ 24" O.C. WITH 1 LAYER OF 1/2" GYP BD. EA. SIDE OF WALL & 3 1/2" BATT INSULATION, ADDITIONAL LAYERS OF FINISH MATERIAL MAY BE INSTALLED OVER THE GYP BD. GYP BD SHALL BE FASTENED TO THE STUDS w/ 1-1/4" TYPE W SCREWS AT 12" OC. JOINTS SHALL BE STAGGERED (DESIGN #WGC 201205)(STC-42)
 - 2x4 (MIN) STUDS @ 16" O.C. WITH 2 LAYER OF 5/8" TYPE "X" GYP BD. EA. SIDE OF WALL & 3 1/2" BATT INSULATION. ADDITIONAL LAYERS OF FINISH MATERIAL MAY BE INSTALLED OVER THE GYP BD. BASE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS w/1-7/8" 6d COATED NAILS AT 6" OC. FACE LAYER OF GYP BD SHALL BE FASTENED TO THE STUDS w/2-3/8" 8d COATED NAILS AT 8" OC. VERTICAL JOINTS SHALL OCCUR OVER A STUD. STAGGER JOINTS EACH LAYER AND EACH SIDE. (DESIGN #WGC 2364)(STC-41)
- WHEN THE PRE-CHECKED BUILDING IS SITE ADAPTED, THE BUILDINGS CONSTRUCTED PER THIS PC SHALL MEET THE REQUIREMENTS OF THE 2016 CALIFORNIA GREEN BUILDING STANDARDS CODE, CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11, SECTION 5.507.4. THE ARCHITECT OF RECORD FOR THE PROJECT SITE THE PC BUILDING IS TO BE INSTALLED UP



- ### NOTES
- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1.13 (2.1)
 - LABEL AT REAR EXTERIOR AND (1) LABEL ABOVE CEILING LINE AT INTERIOR FRAME. LABELS WILL BE MECHANICALLY FASTENED AND SHOW THE DSA APPLICATION NUMBER, MANUFACTURER'S NAME AND SERIAL NUMBER, DESIGN LIVE LOAD FOR ROOF AND FLOOR FRAMING, WIND SPEED, EXPOSURE CATEGORY, AND Kzt = 1.0 2016 CBC, DESIGN CLIMATE ZONE, SEISMIC PARAMETER = S_s.
 - VINYL TACKBOARD INTERIOR FINISH SHALL COMPLY WITH CBC SECTION 803.7.
 - LOCATIONS OF DOORS AND WINDOWS MAY VARY PER JOB. (IF THE NUMBER OF WINDOWS INCREASE, A NEW TITLE 24 SHALL BE SUBMITTED TO DSA.)
 - POSTING OF OCCUPANCY LOAD SIGNS SHALL COMPLY WITH CALIFORNIA CODE OF REGULATIONS (CCR) TITLES 19 ART. 3.30
 - (NOT IN MODULAR MANUFACTURER'S SCOPE OF WORK)
 - IF BUILDING IS TO BE RELOCATED, SEE RELOCATION SHEETS.
 - FOR BUILDINGS THAT ARE MANUFACTURED IN-PLANT, THE IN-PLANT INSPECTOR IS TO ATTACH A VERIFIED REPORT INSIDE EACH BUILDING, WHICH SHALL INDICATE THE MANUFACTURER'S NAME AND THE SERIAL NUMBER FOR EACH BUILDING MODULE AS WELL AS THE DSA FILE AND APPLICATION NUMBERS, PER IR 16-1.13 (2.1)
 - ALL FIXTURE HEIGHTS TO BE VERIFIED PRIOR TO CONSTRUCTION.
 - INTERIOR WALLS MAY BE ADDED TO FLOOR PLAN. SEE STRUCTURAL
 - FOR CASEWORK, TEACHER WALL, OR TV BLOCKING OPTIONS, SEE SHEET A-5.80
 - INTERIOR WALLS BETWEEN CLASSROOMS AND ADJACENT SPACES (WHERE OCCURS) SHALL BE FULL HEIGHT TO THE UNDERSIDE OF THE STRUCTURE ABOVE AND SHALL HAVE A STC RATING OF NOT LESS THAN 40. SEE SHEET A-0.7 FOR WALL ASSEMBLY.

DETAIL SCHEDULE

FINISH:	SHEET #:
<input type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input checked="" type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

WALL LEGEND

	NOMINAL 4" WALL STUD	<input checked="" type="checkbox"/>
	NOMINAL 6" WALL STUD	<input checked="" type="checkbox"/>
	NOMINAL 8" WALL STUD	<input type="checkbox"/>

WINDOW PER SCHEDULE SHEET A-0.2
 DOOR PER SCHEDULE SHEET A-0.2

NOTE:
IF PARAPET IS USED & HIGHER THAN 18", END WALLS MUST BE 2x6 @ 24" O.C.

THIS PLAN MAY INCLUDE THE VARIOUS EXERCISABLE OPTIONS APPLICABLE TO THE PC SUCH AS PARTITION WALLS, PLUMBING, ETC. FOR REFERENCE PURPOSES. OPTIONS CAN BE APPLIED AS REQUIRED TO THE PC'S BUILDING SIZES.

SYMBOLS LEGEND

	60" CIRCLE CLEAR SPACE
	30"x48" CLEAR SPACE

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SILVER CREEK INDUSTRIES, INC.

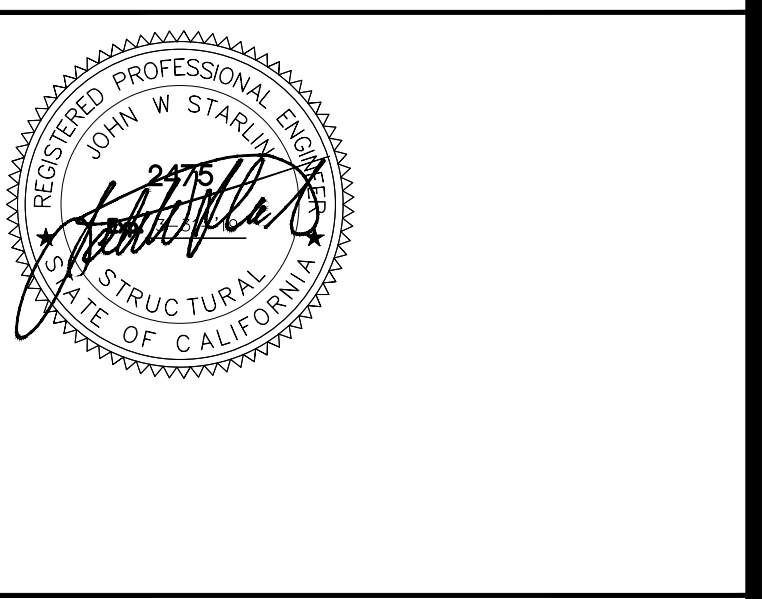
SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**FLOOR PLAN
36' TO 72' x 60'**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/17/2020

ORIGINAL PC STATE AGENCY APPROVAL

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04 - 116719 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE: 10/05/2018

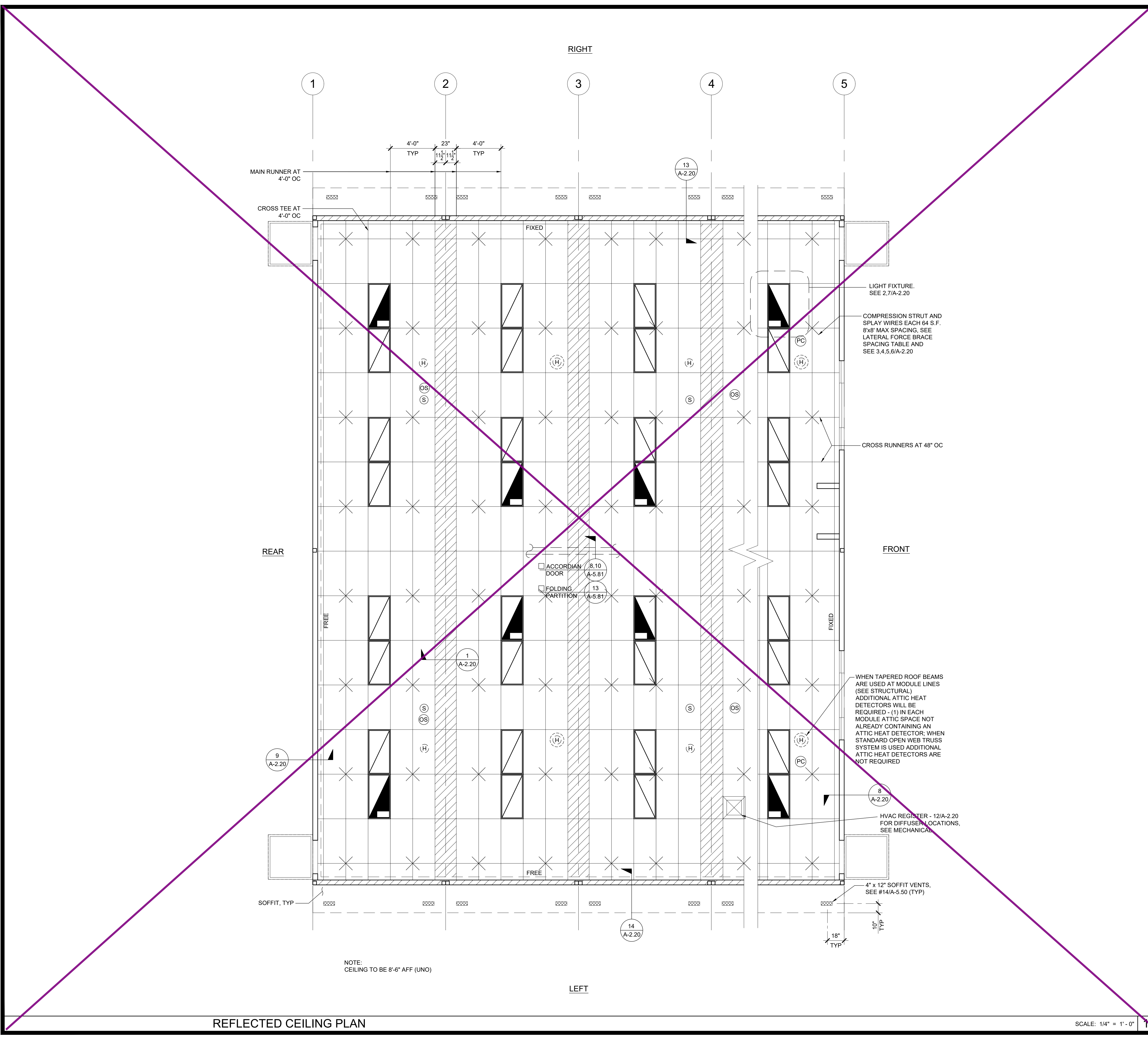
REVISIONS

NO.	DESCRIPTION
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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18

P.C. SHEET NUMBER
A-1.03



LEGEND

- T-BAR CEILING
- FIELD INSTALLED PANEL AT MODULE LINE
- 2' x 4' RECESSED LIGHT FIXTURE
- *OPTIONAL* 1' x 4' RECESSED LIGHT FIXTURE
- SPLOY WIRE
- RETURN AIR REGISTER
- SUPPLY AIR REGISTER
- CEILING EXHAUST FAN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED PHOTOCELL
- CEILING MOUNTED SMOKE DETECTOR
- ATTIC MOUNTED HEAT DETECTOR

NOTE:
FOR ALL REFLECTED CEILING NOTES
SEE SHEET A-0.1

NOTE:
WHERE OPERABLE PARTITION OCCURS,
OCCUPANCY SENSOR SHALL BE
DESIGNED AND LOCATED TO PROVIDE
FOR EACH AREA CREATED BY THE
PARTITION IN A CLOSED POSITION.

T-BAR SCHEDULE

ARMSTRONG PART NUMBERS ICC-ES ESR-1308
 MAIN RUNNER: 7301
 4" CROSS TEE: XL7341
 2" CROSS TEE: XL7328

STANDARD 7/8" WALL ANGLE WITH BERC-2 CLIP (ICC #ESR-1308) 2"
 WALL ANGLE: 7810 (OPTIONAL)

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SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE
 (1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**REFLECTED CEILING PLAN
 36' TO 72' x 60'**

ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

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PRE-CHECK (PC) DOCUMENT
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 04 - 116719 INCR: 0
 AC_RM_FLS_DS_SSR_KER
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REVISIONS

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SILVER CREEK INDUSTRIES
 24' x 60' PC

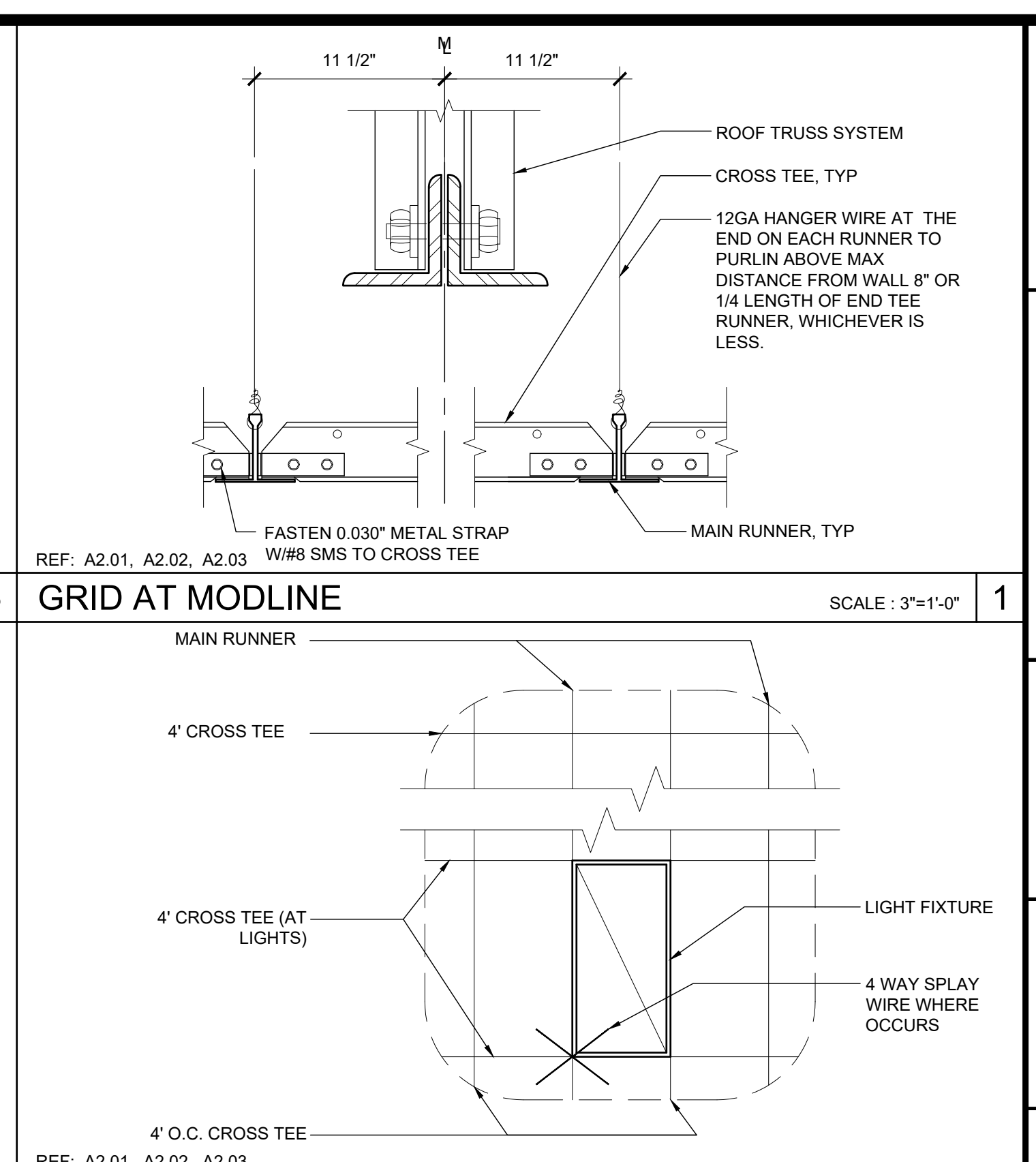
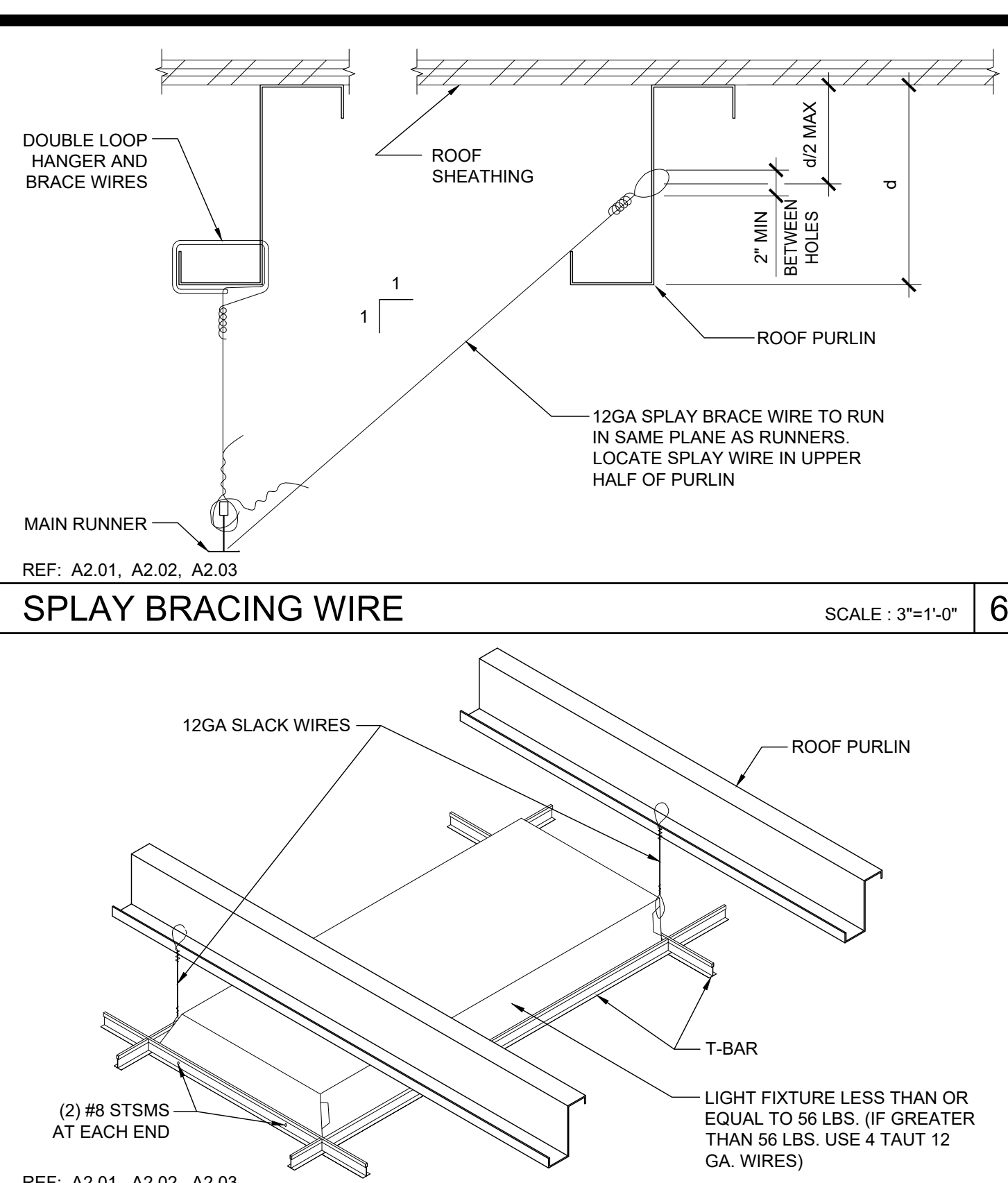
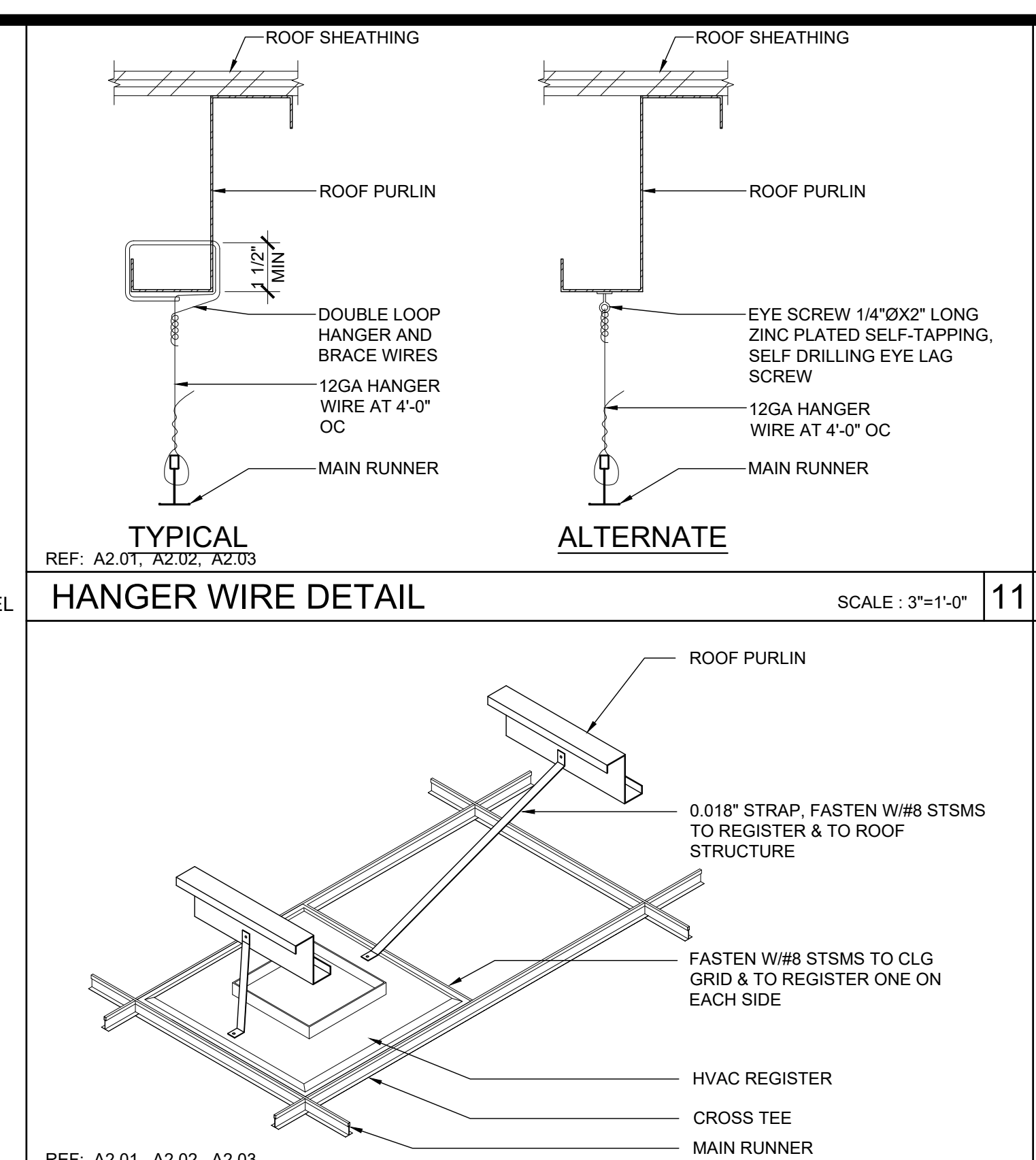
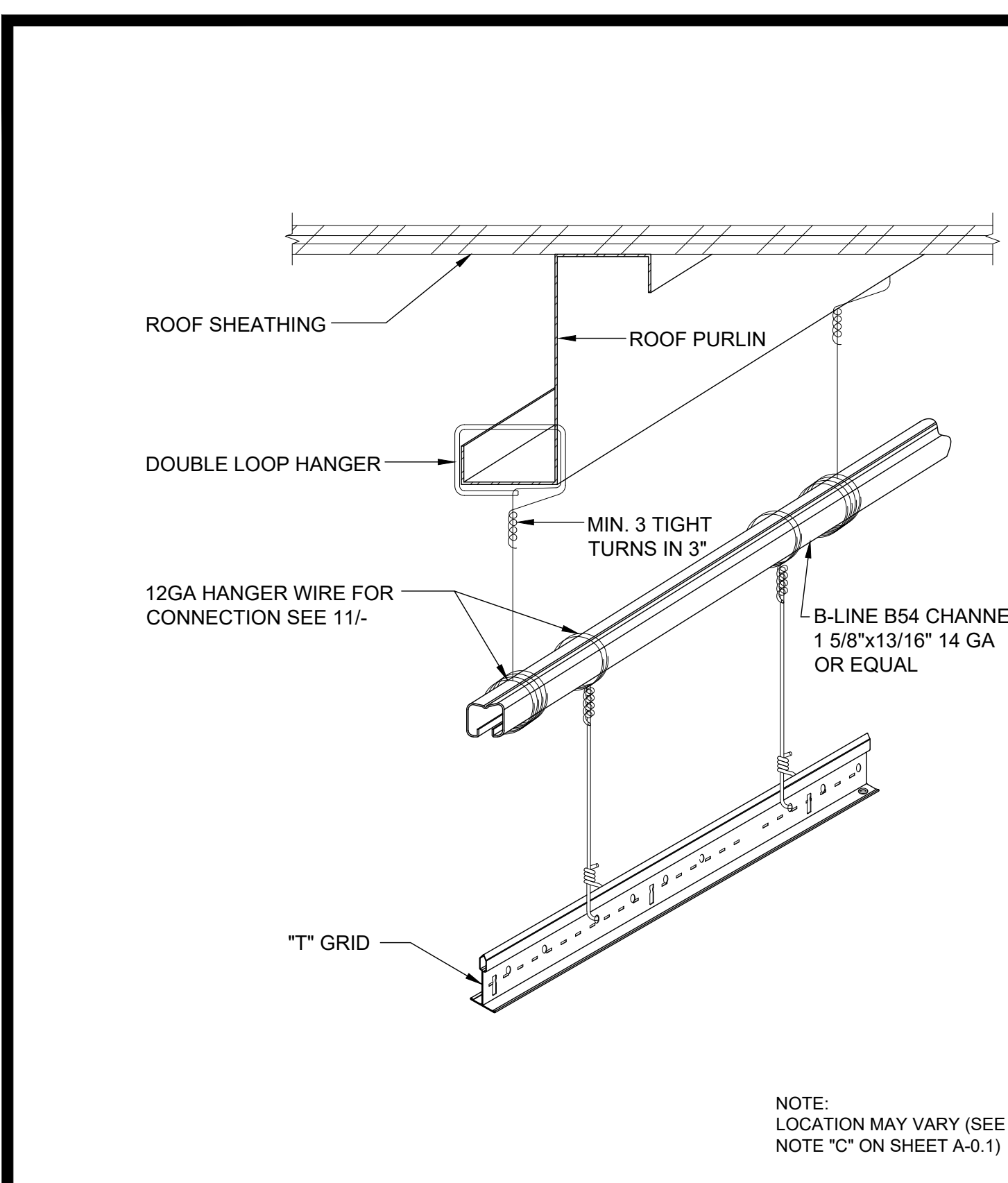
PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 8-10-18

P.C. SHEET NUMBER
A-2.03

REFLECTED CEILING PLAN

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

REFER TO "N" SHEETS FOR PROJECT SPECIFIC



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SILVER CREEK

Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**CEILING DETAILS
T-GRID**

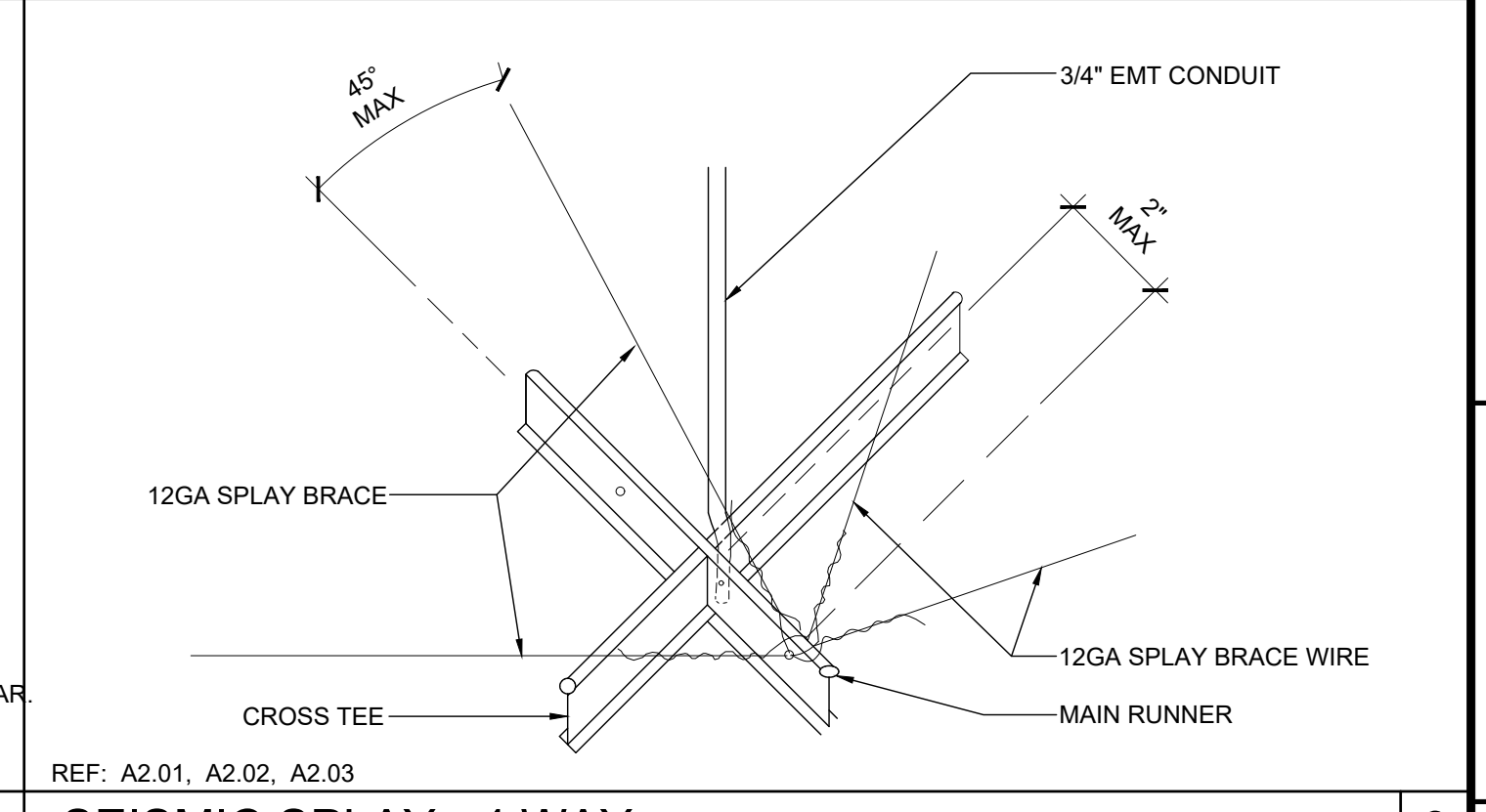
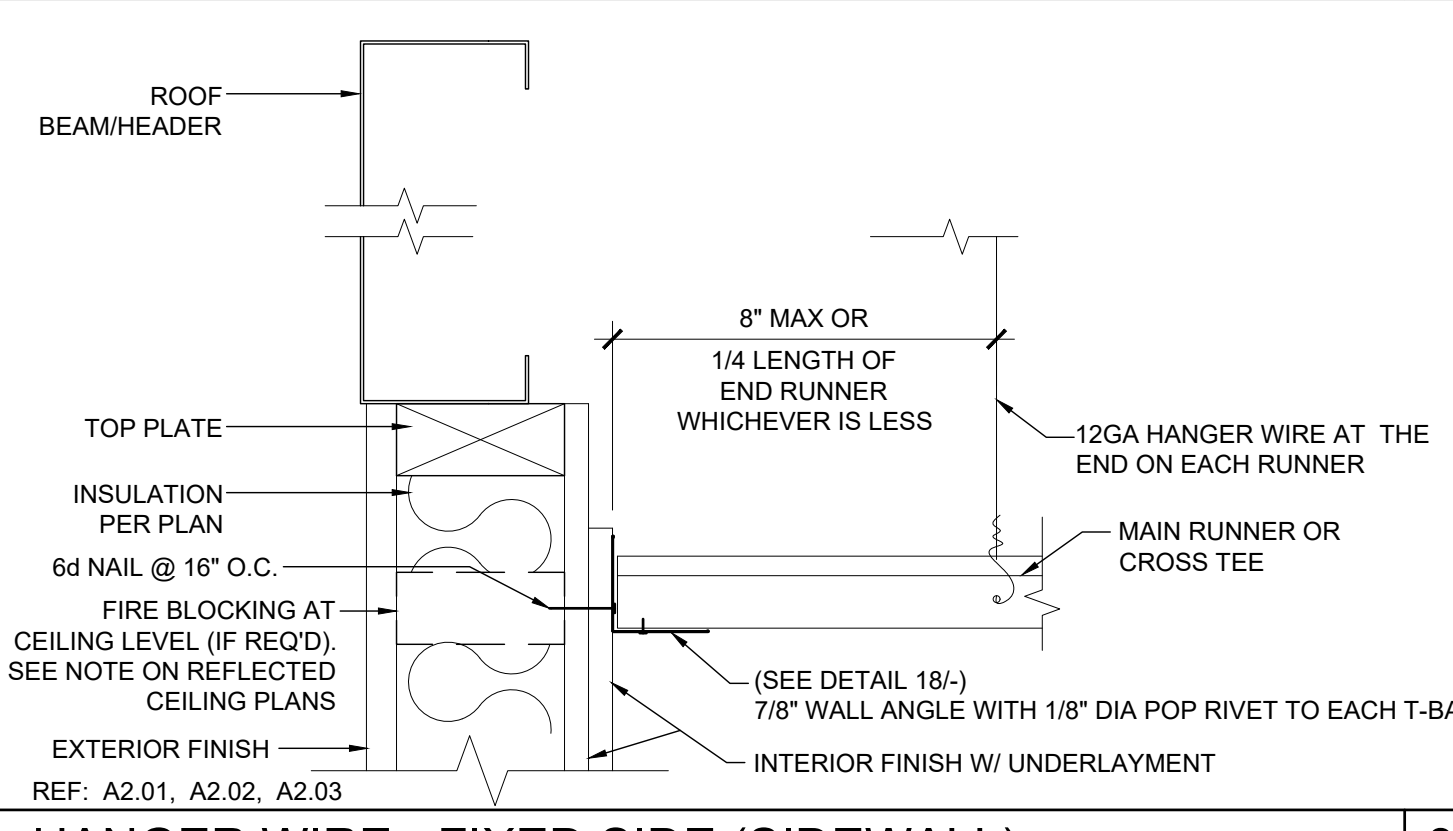
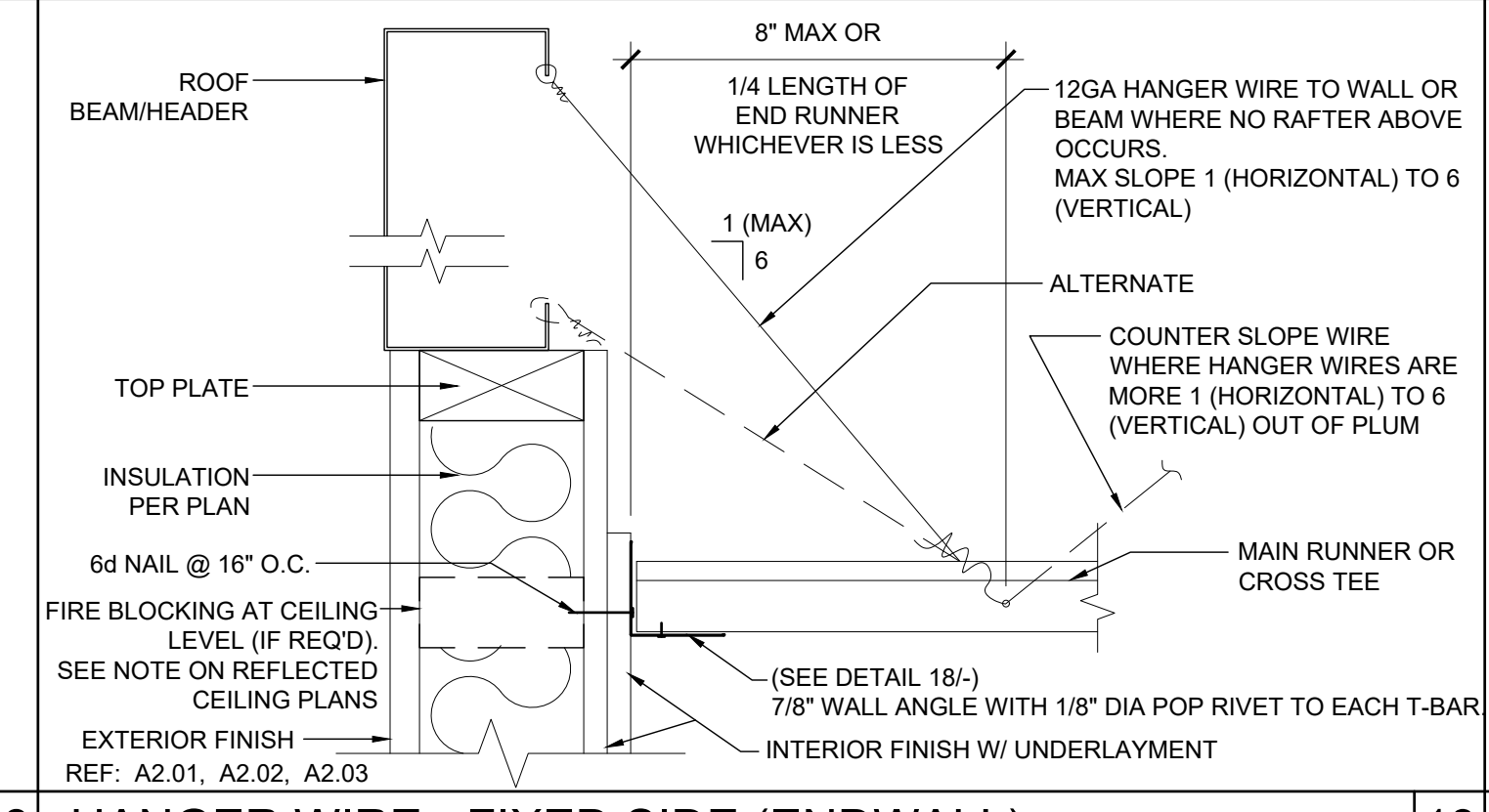
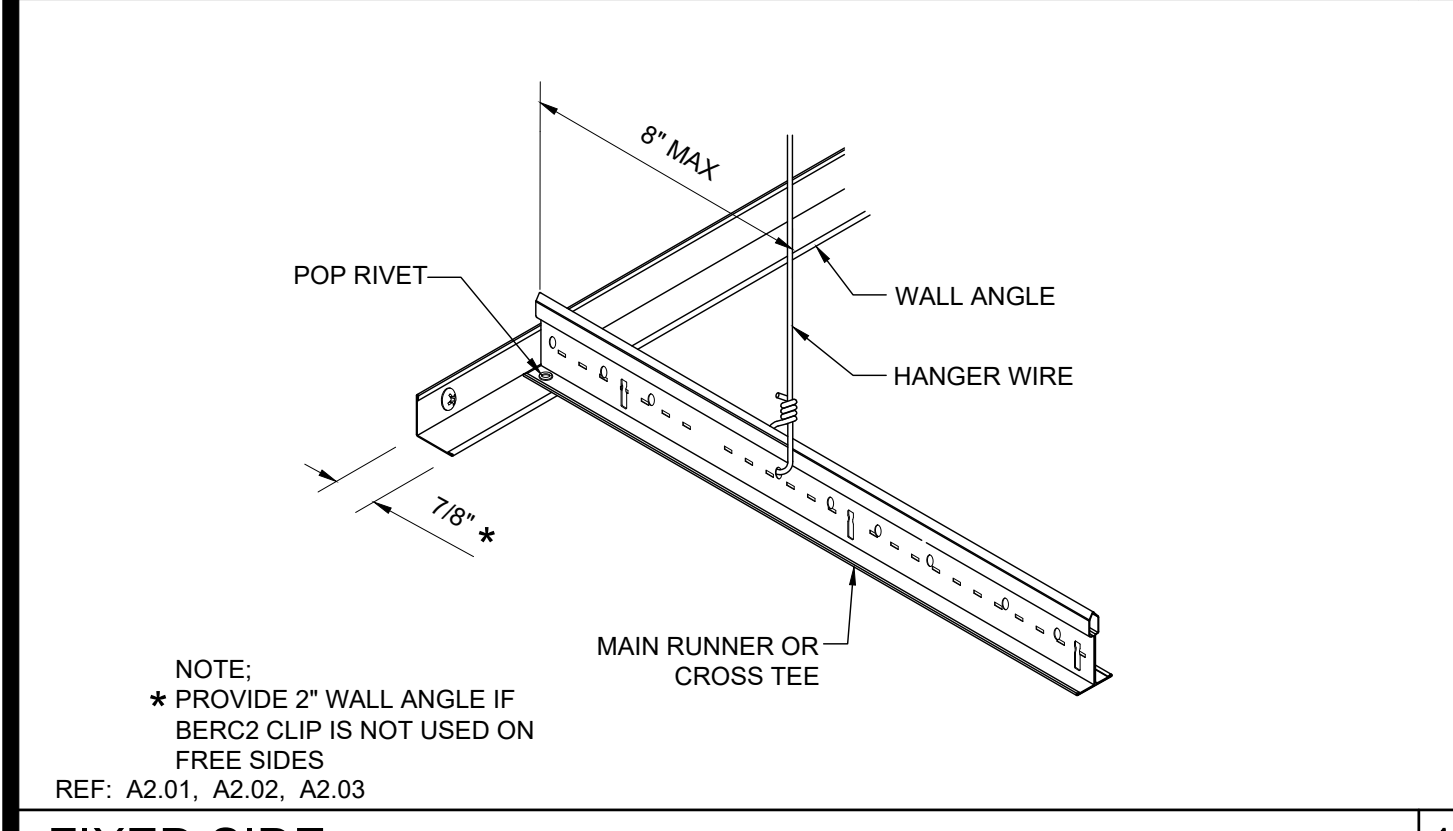
HANGER WIRE DETAIL SCALE: 3"=1'-0" 11

SPLAY BRACING WIRE SCALE: 3"=1'-0" 6

GRID AT MODLINE SCALE: 3"=1'-0" 1

TRAPEZE DETAIL SCALE: 3"=1'-0" 17

**CEILING DETAILS
T-GRID**



REGISTERED PROFESSIONAL ARCHITECT
JOHN W. STARBUCK
STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

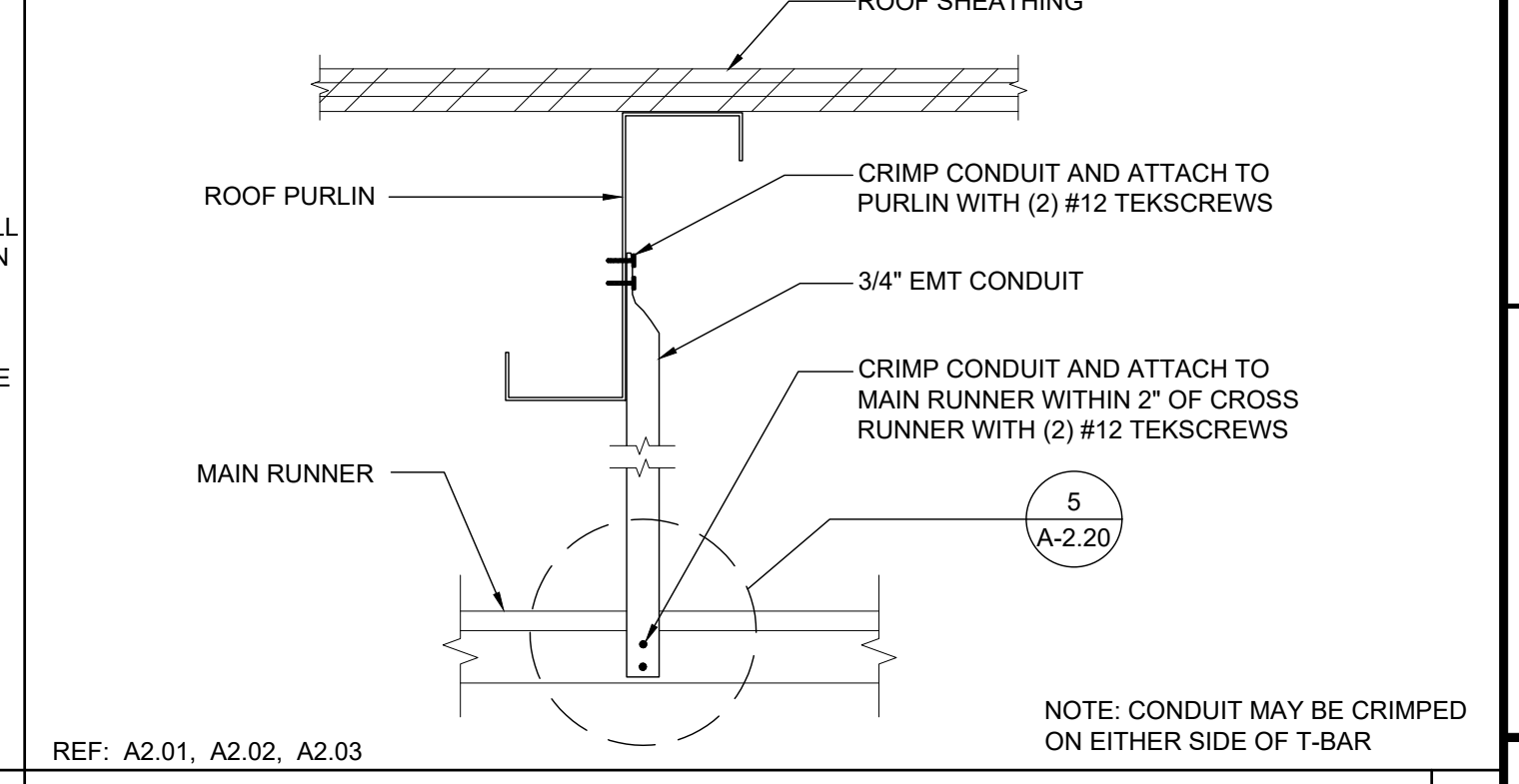
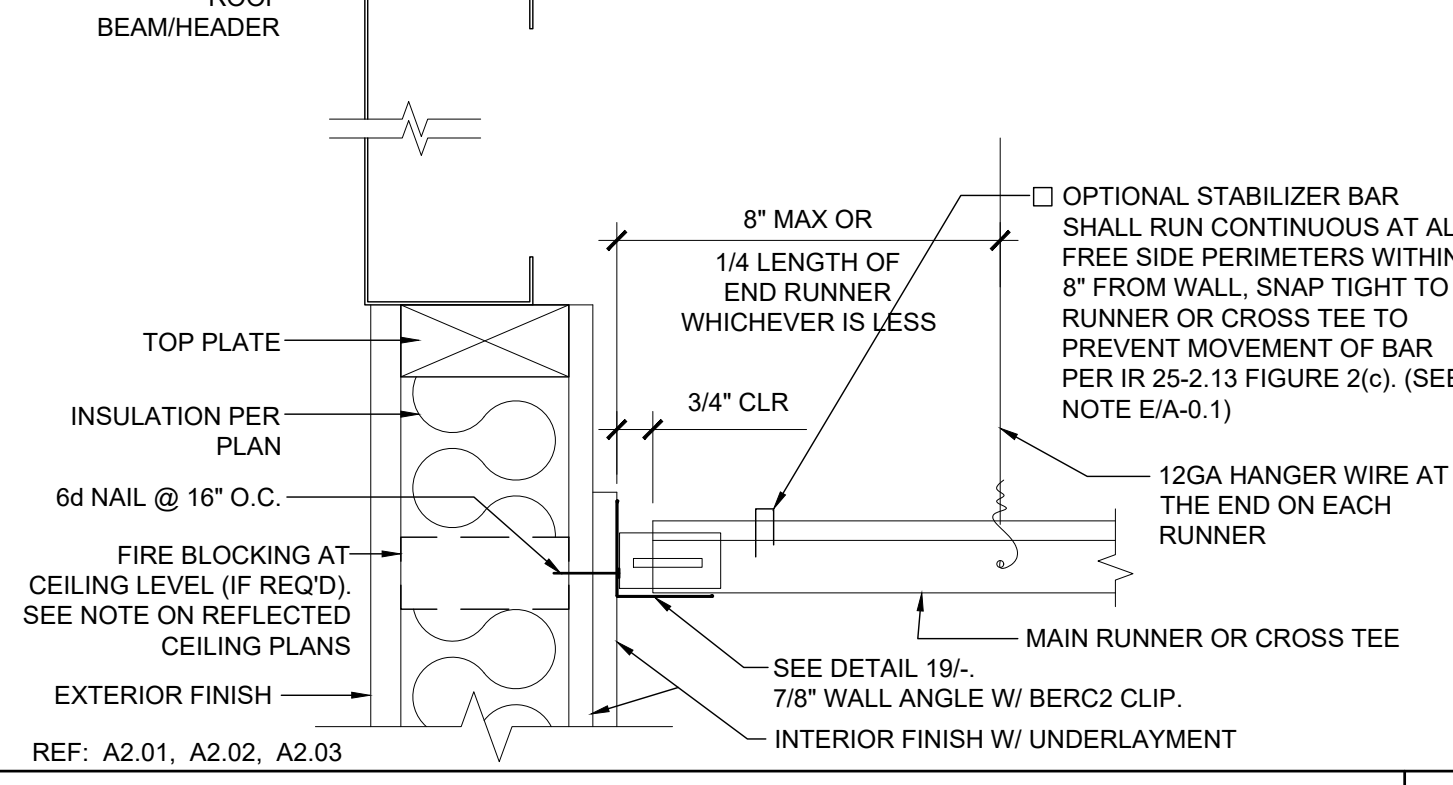
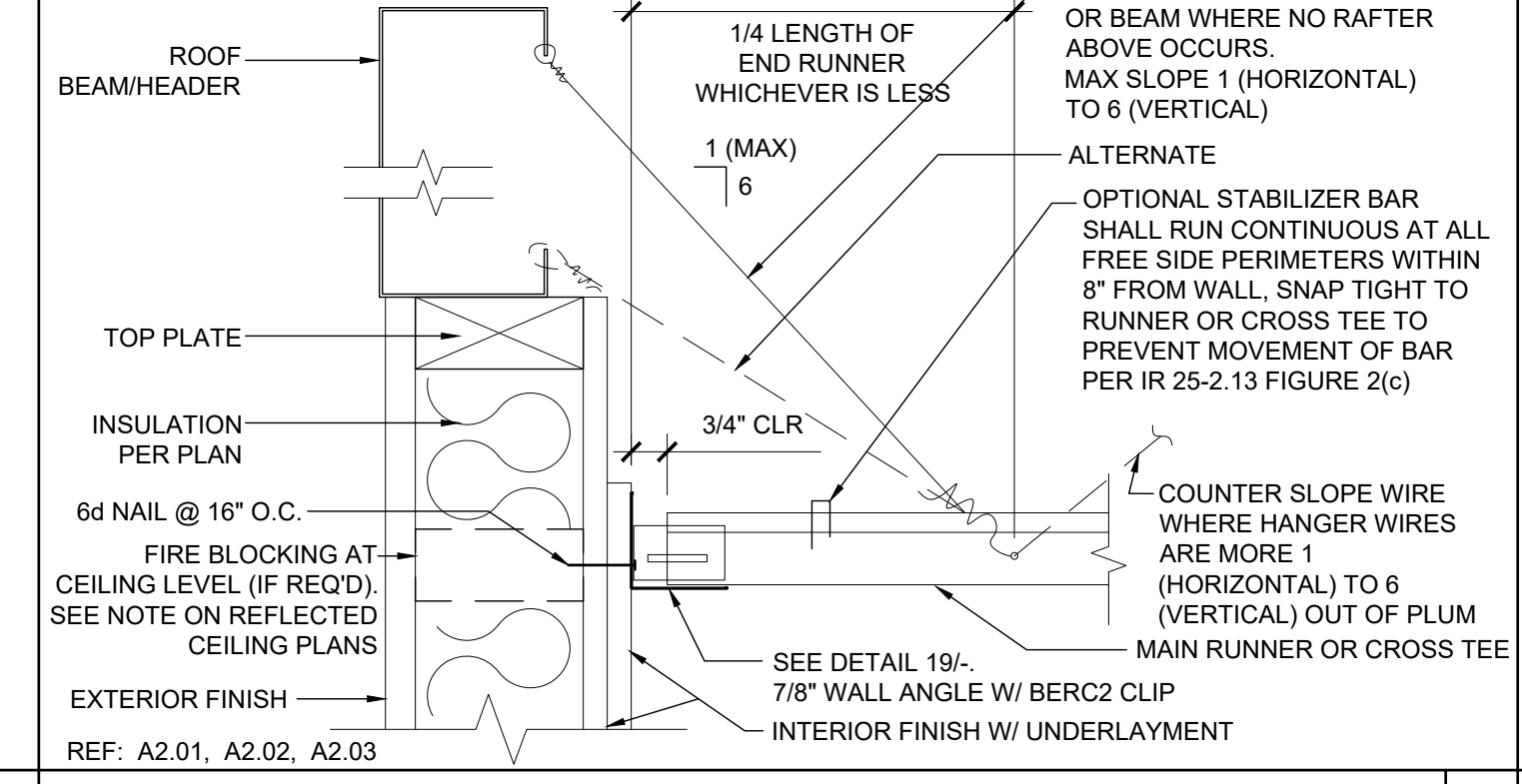
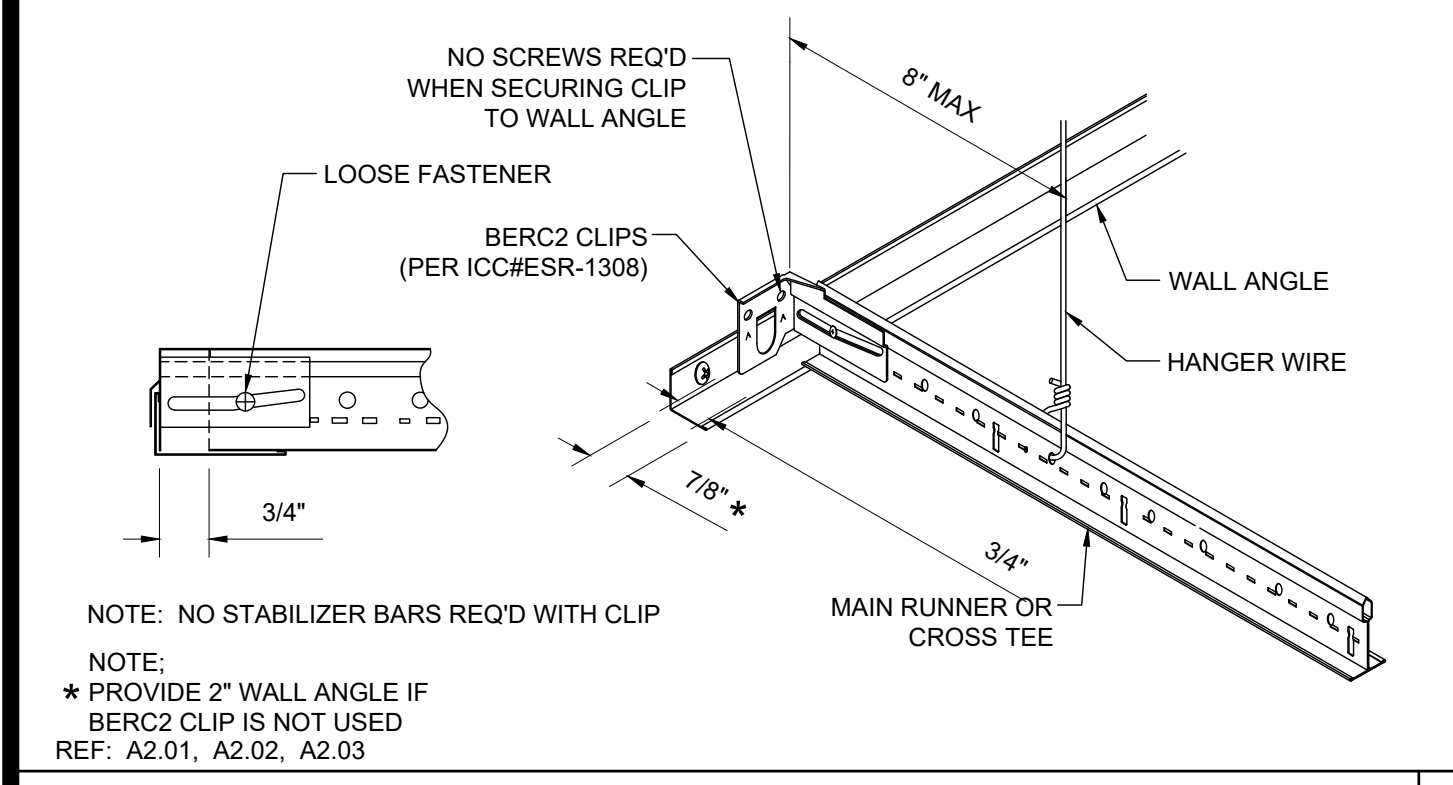
HVAC REGISTER MOUNTING SCALE: NTS 12

LIGHT FIXTURE MOUNTING SCALE: NTS 7

4' CROSS TEE AT LIGHTS SCALE: 3/8"=1'-0" 2

FIXED SIDE SCALE: NTS 18

PROJECT SPECIFIC STATE AGENCY APPROVAL



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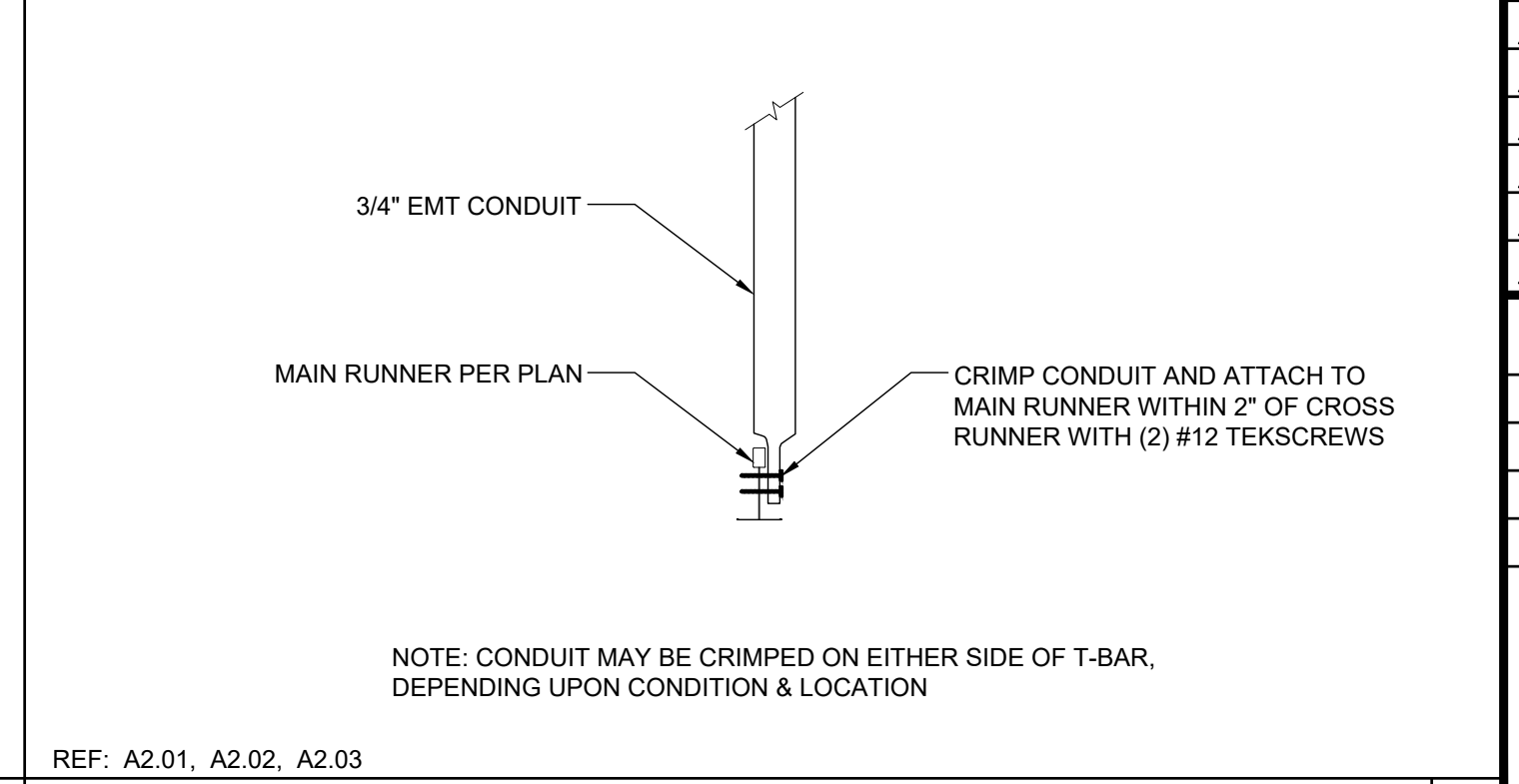
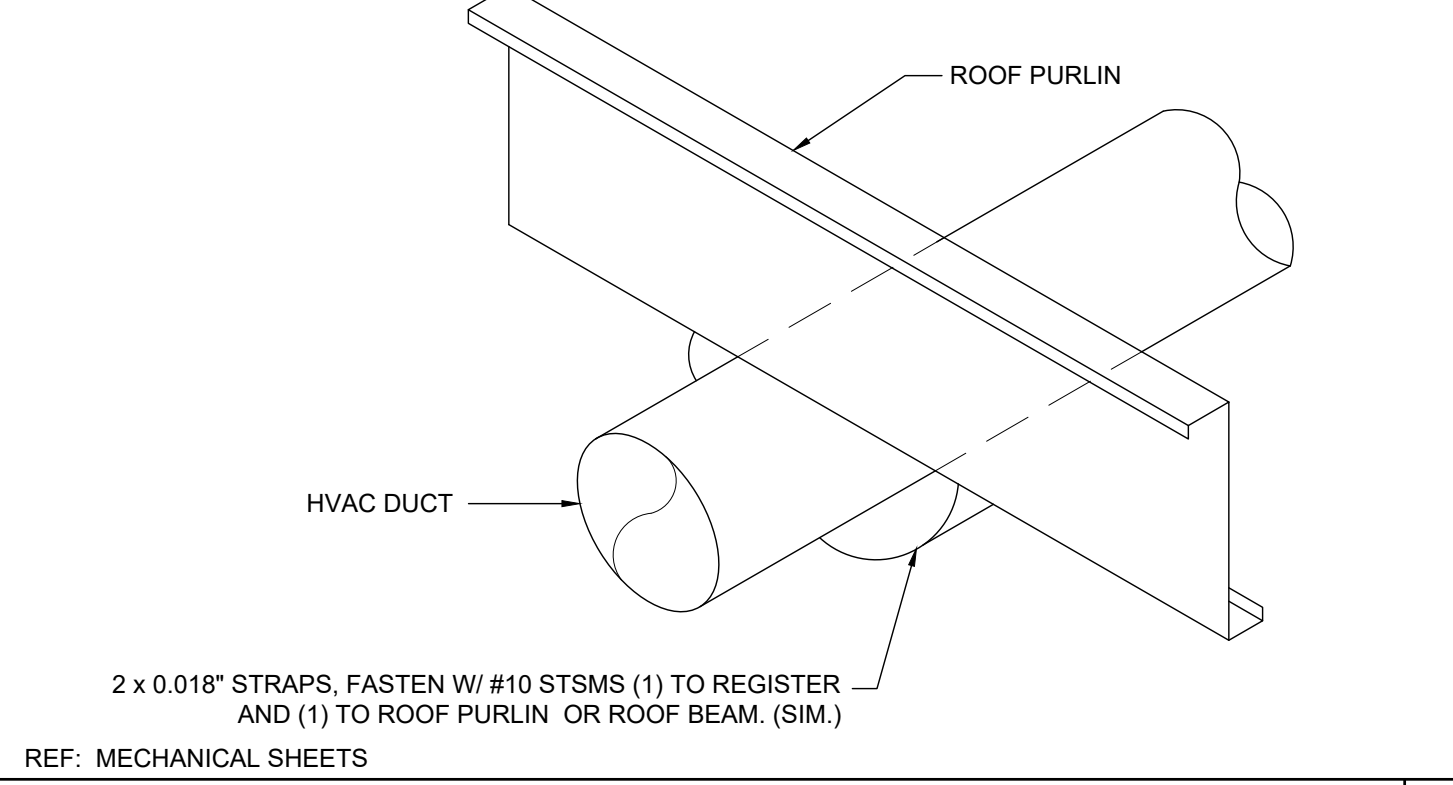
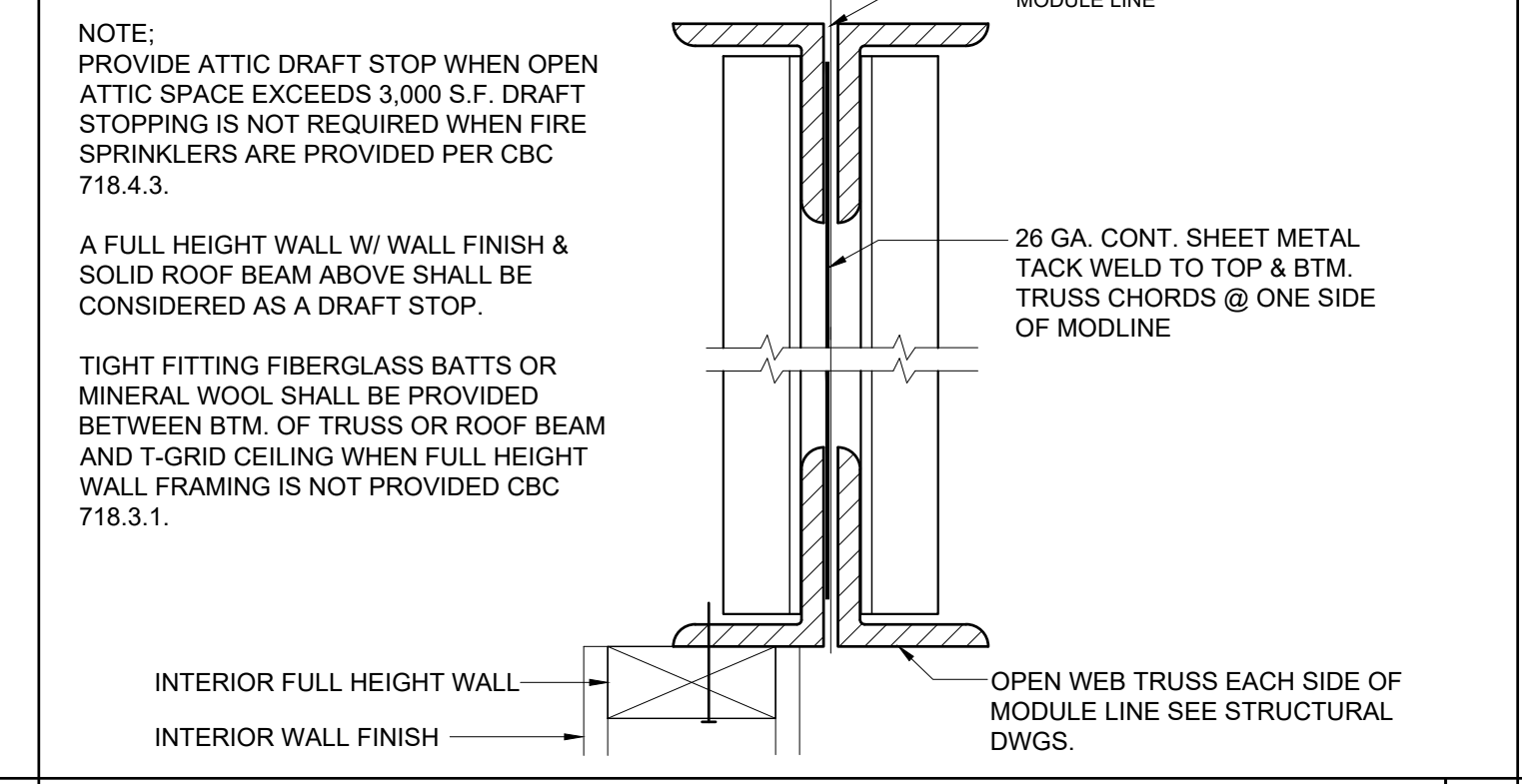
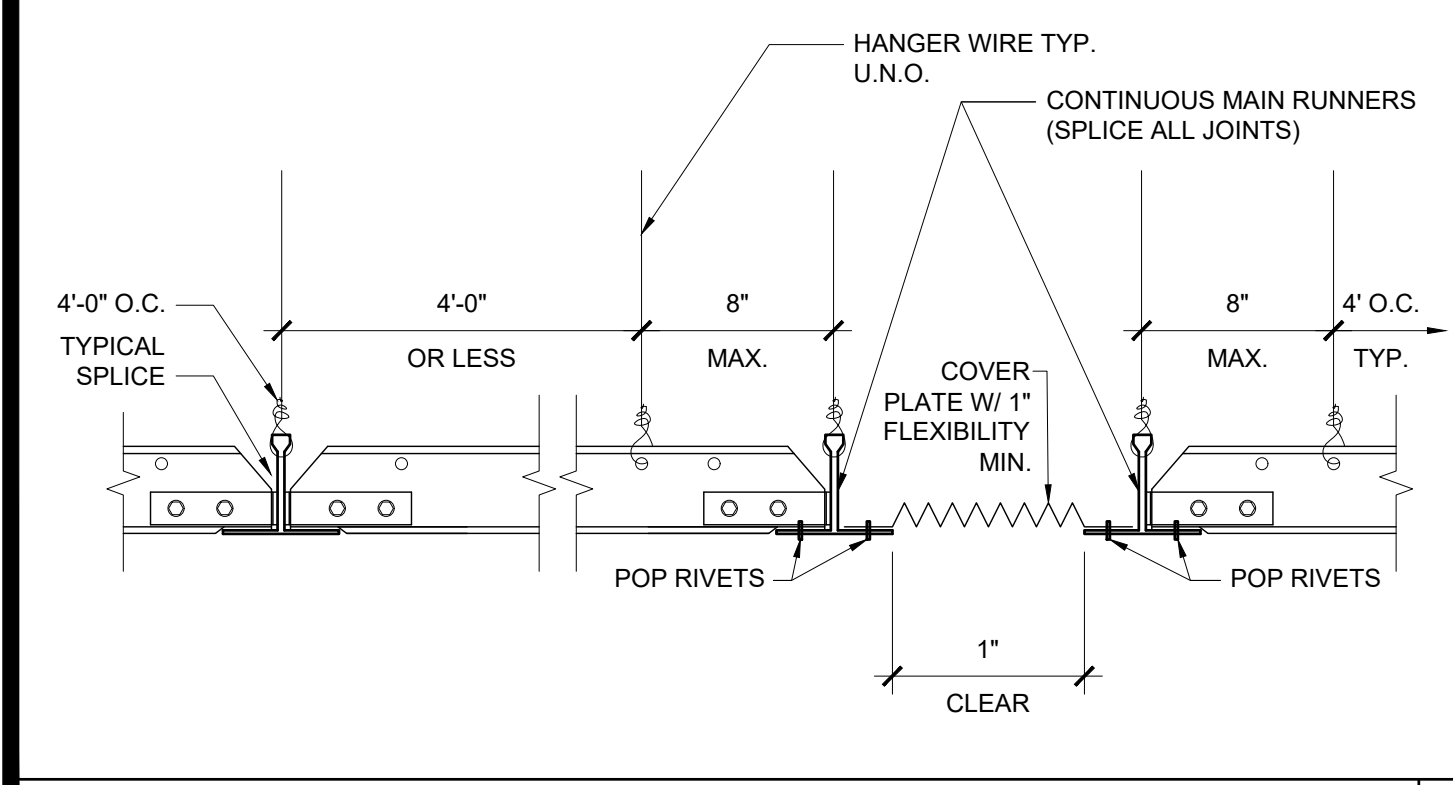
HANGER WIRE - FIXED SIDE (ENDWALL) SCALE: 3"=1'-0" 13

HANGER WIRE - FIXED SIDE (SIDEWALL) SCALE: 3"=1'-0" 8

SEISMIC SPLAY - 4 WAY SCALE: NTS 3

FREE SIDE SCALE: NTS 19

REVISIONS



PRE-CHECK (PC) DOCUMENT
DATE: 09/06/2018
A SEPARATE DOCUMENT IS REQUIRED FOR CONSTRUCTION (IF REQUIRED)

REVISIONS

SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18
P.C. SHEET NUMBER
A-2.20

HANGER WIRE - FREE SIDE (ENDWALL) SCALE: 3"=1'-0" 14

HANGER WIRE - FREE SIDE (SIDEWALL) SCALE: 3"=1'-0" 9

COMPRESSION STRUT SCALE: 3"=1'-0" 4

GRID SEISMIC SEPARATION JOINT SCALE: 3"=1'-0" 20

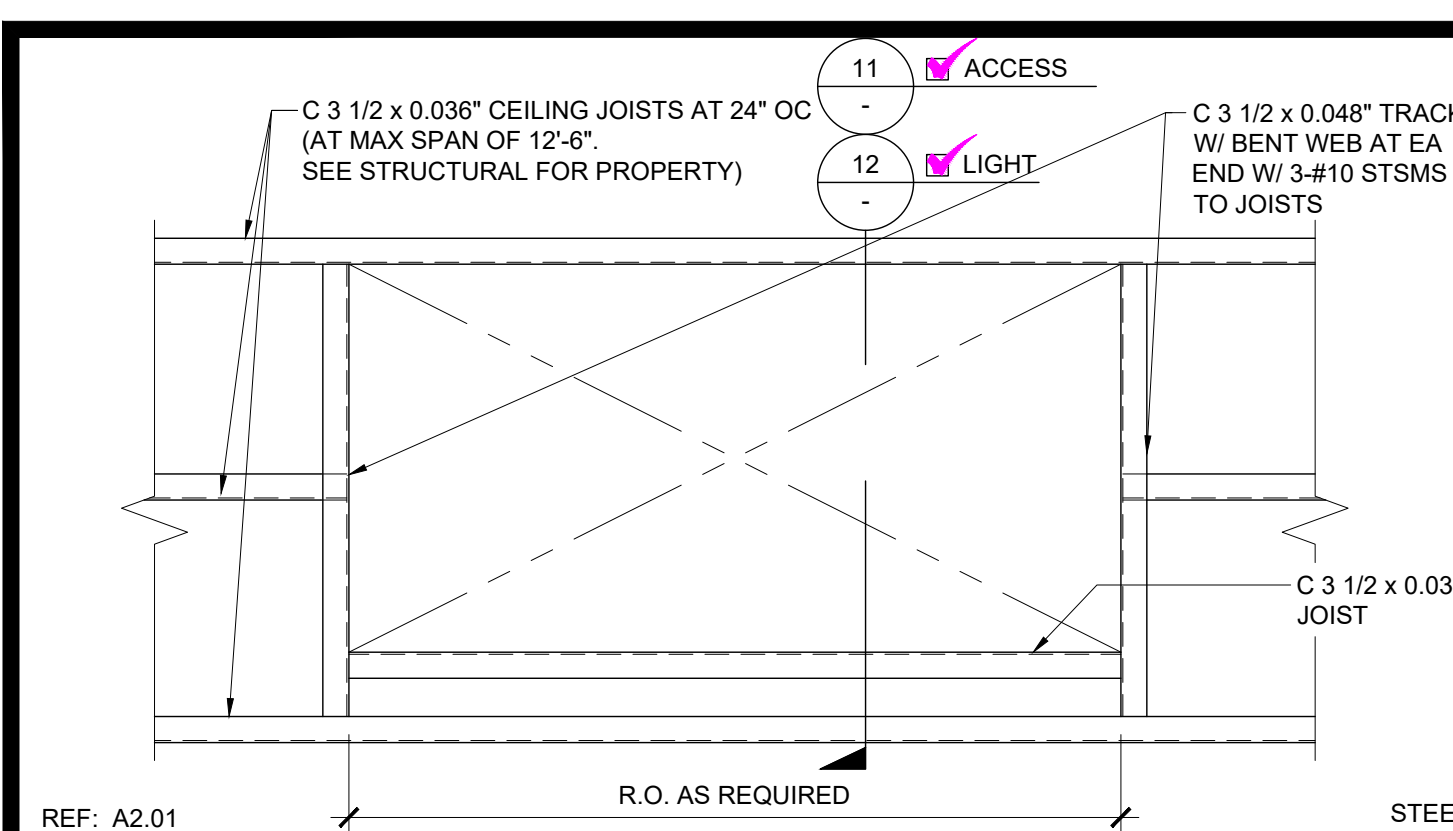
ATTIC DRAFT STOP SCALE: 3"=1'-0" 15

ATTIC DRAFT STOP SCALE: 3"=1'-0" 15

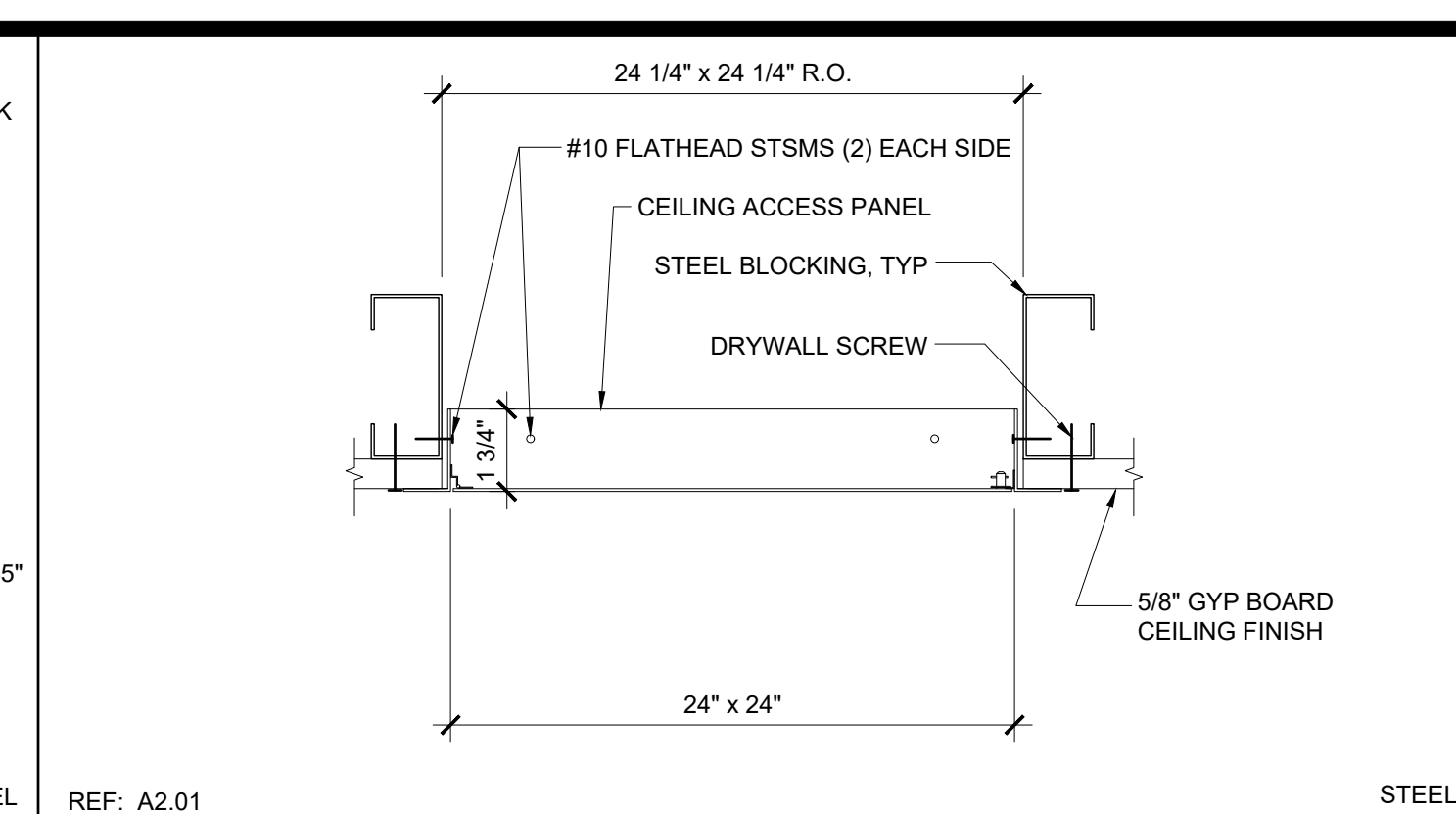
HVAC DUCTWORK MOUNTING SCALE: NTS 10

COMPRESSION STRUT SCALE: 3"=1'-0" 5

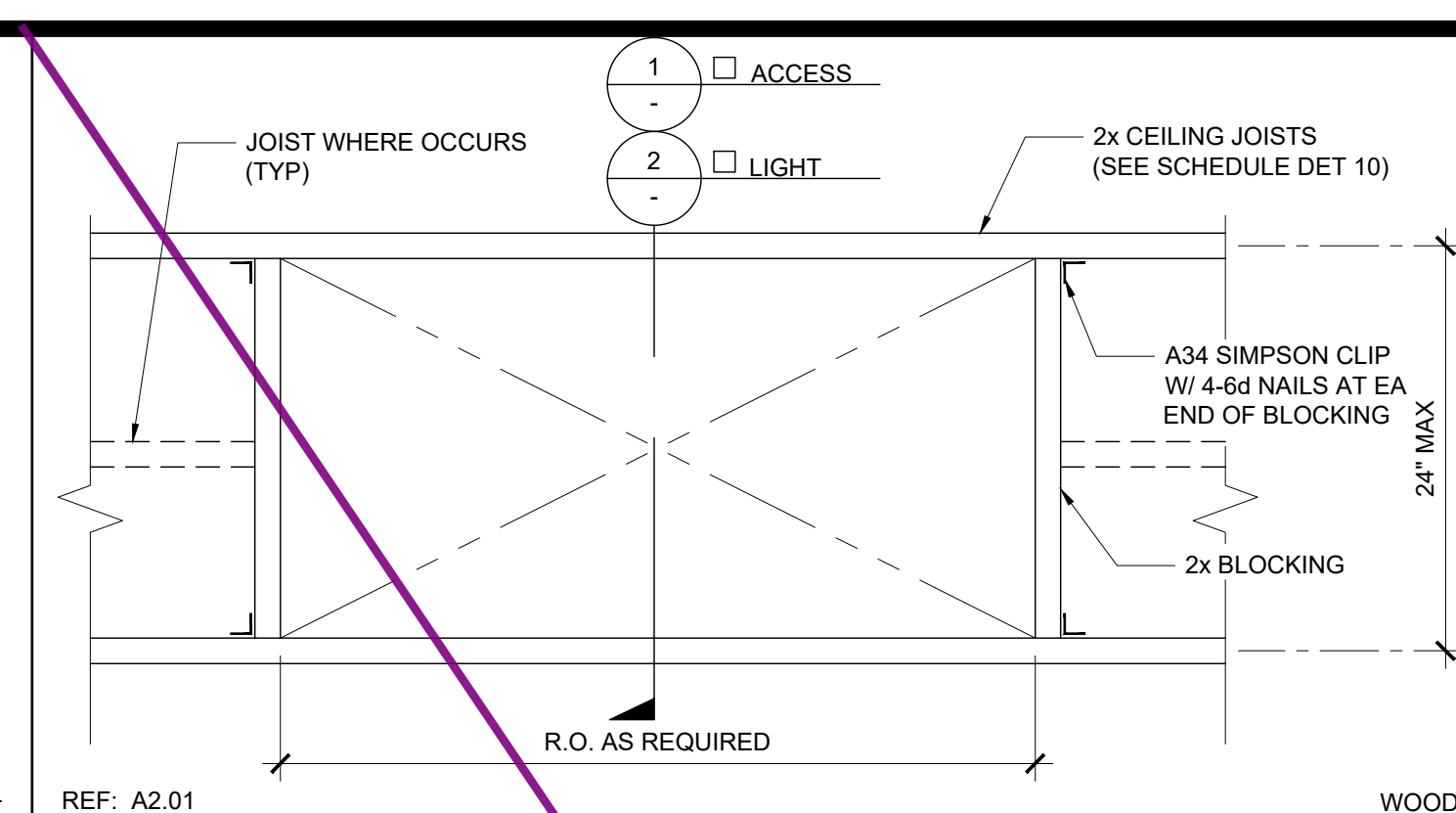
COMPRESSION STRUT SCALE: 3"=1'-0" 5



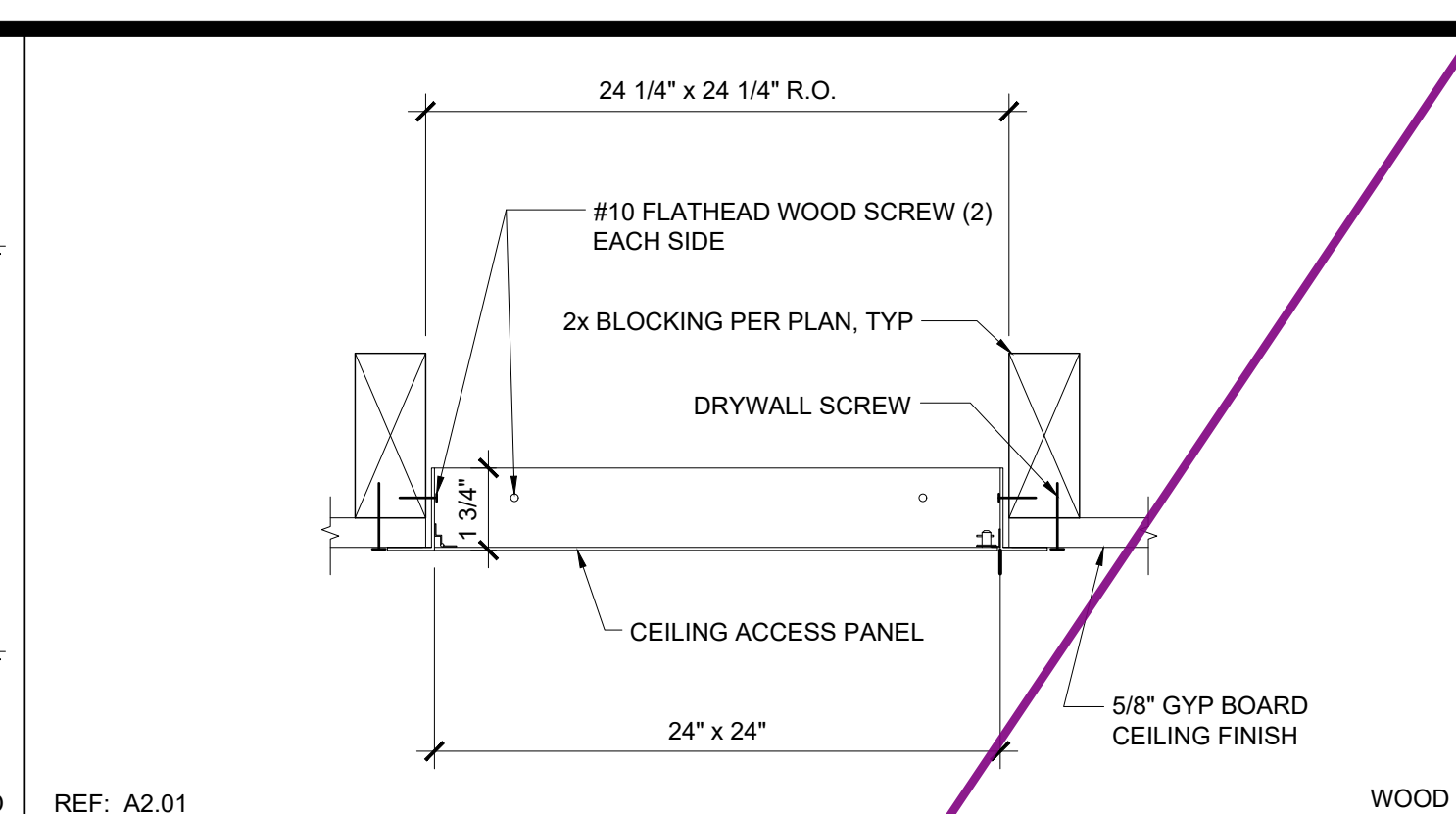
REF: A2.01 RECESS STEEL CEILING JOIST FRAMING PLAN SCALE: 1" = 1'-0" 16



REF: A2.01 CEILING ACCESS PANEL - STEEL SCALE: 3\"/>



REF: A2.01 RECESS WOOD CEILING JOIST FRAMING PLAN SCALE: 1" = 1'-0" 6



REF: A2.01 CEILING ACCESS PANEL SCALE: 3\"/>

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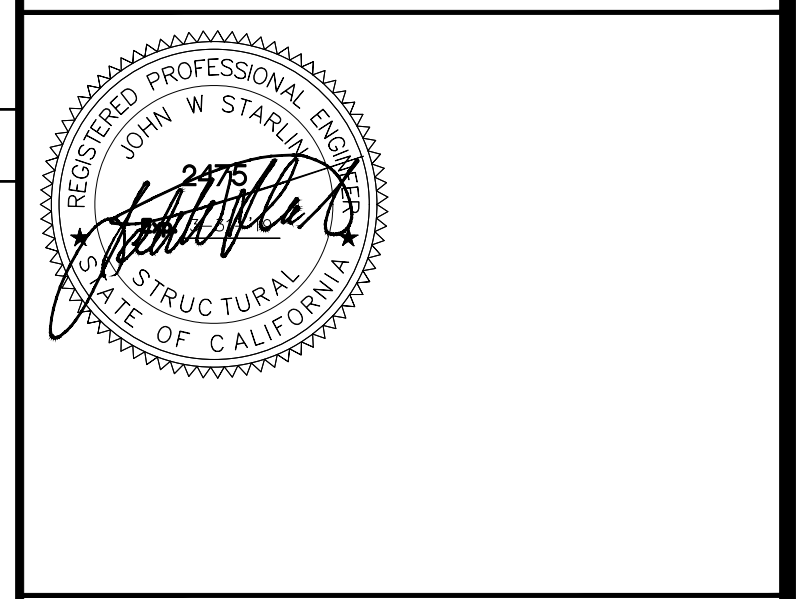
SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**CEILING DETAILS
HARD LID**



ARCHITECT OF RECORD
SUBMISSION DATE

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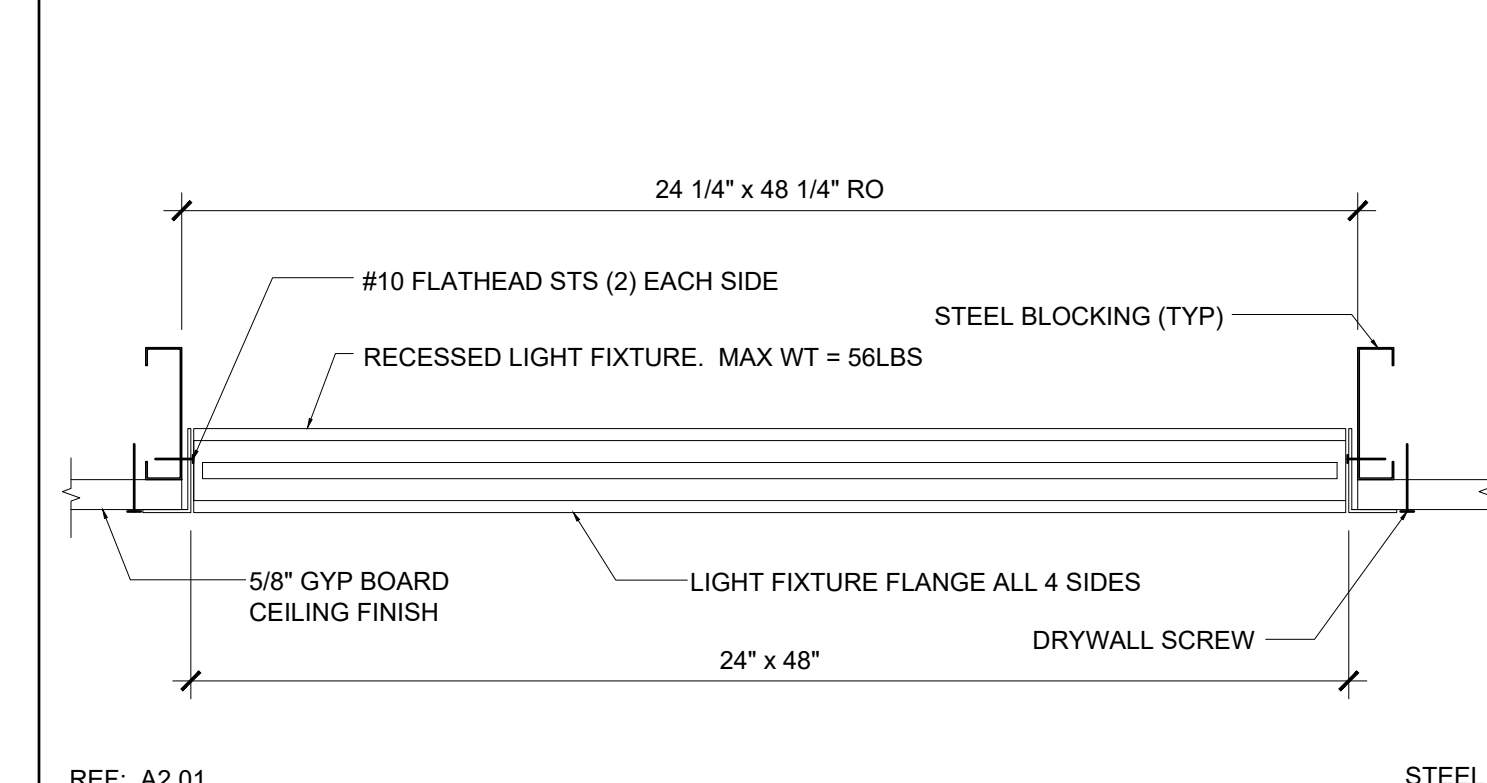
SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
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DATE: 8-10-18

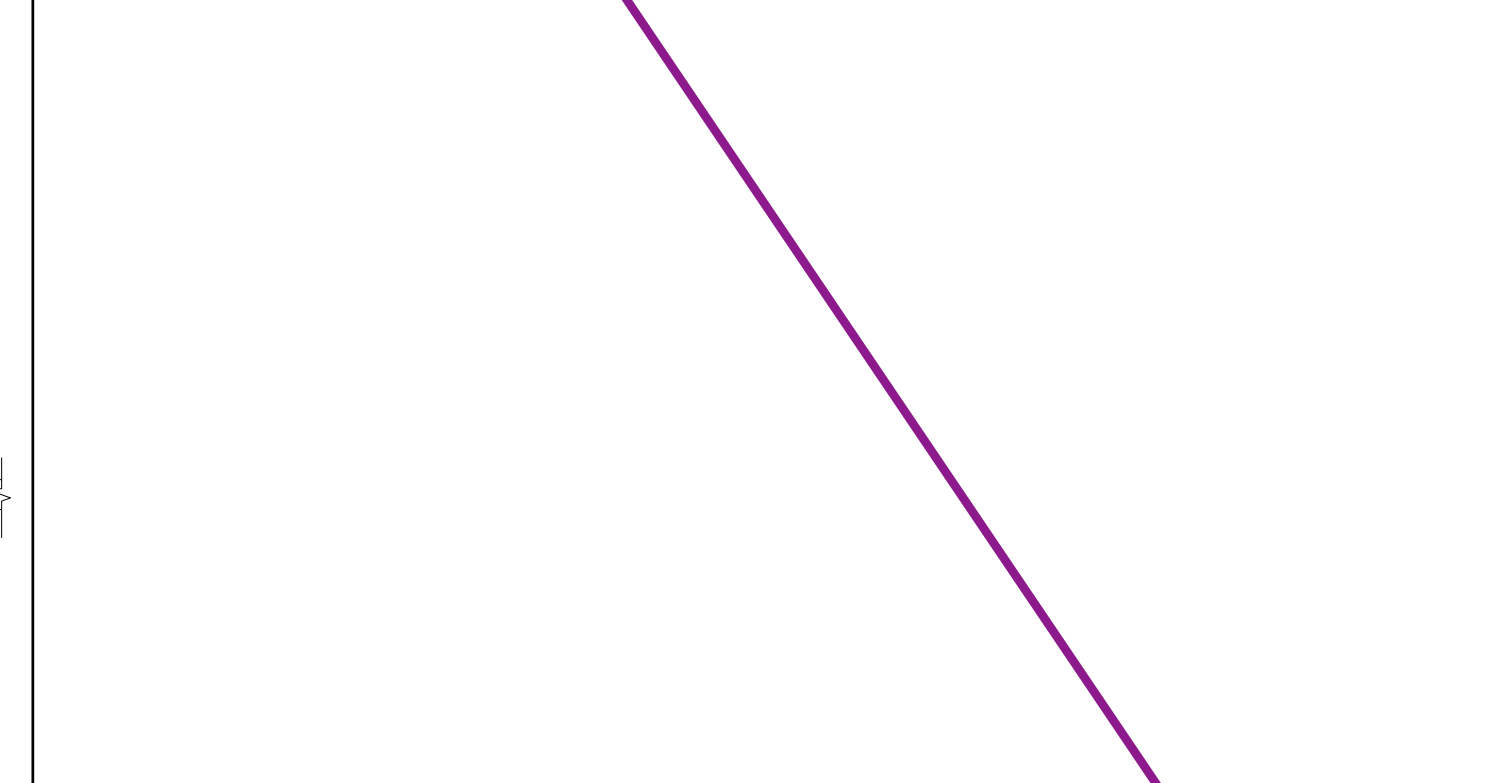
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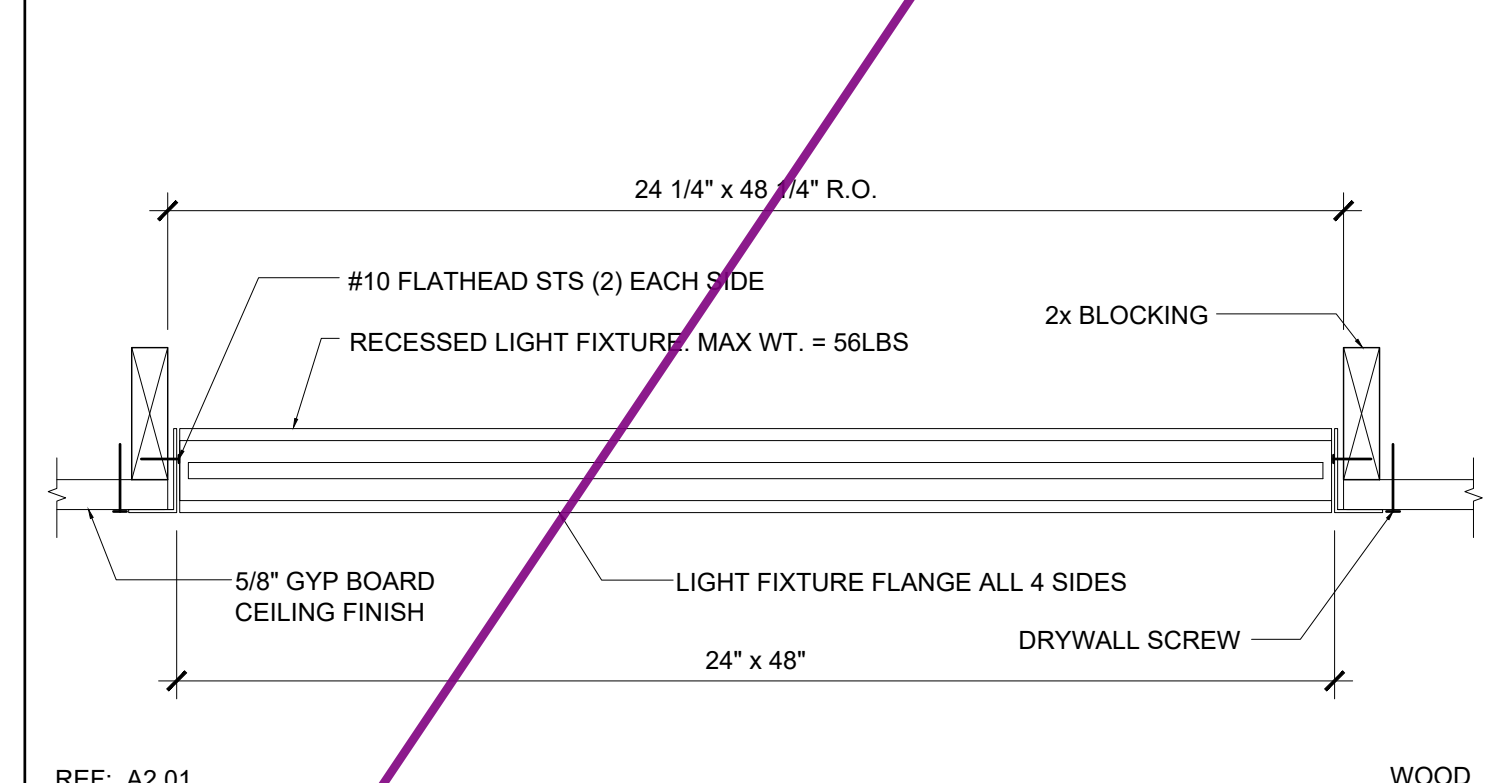
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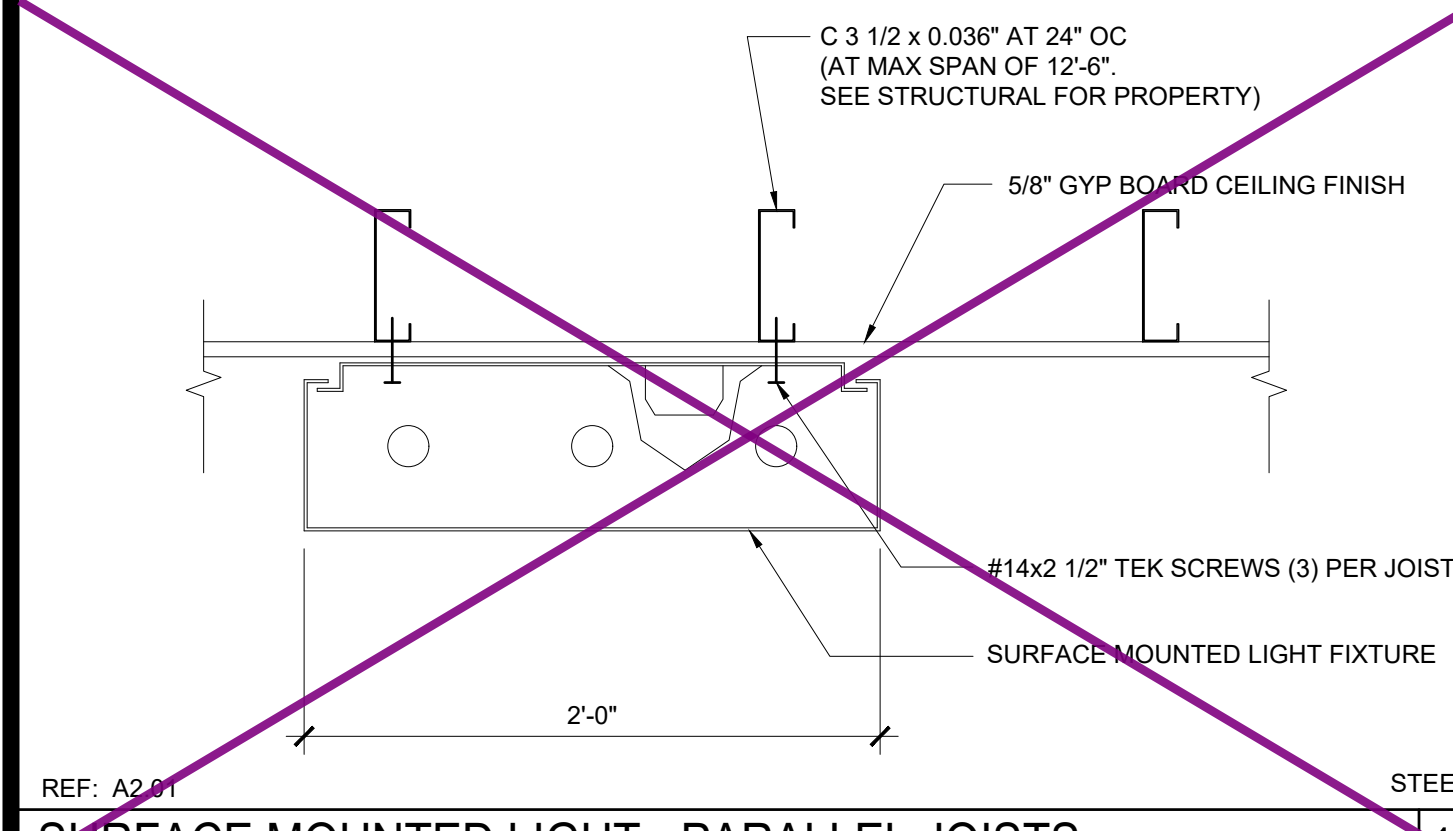
REF: A2.01 RECESSED LIGHT FIXTURE AT HARD LID SCALE: 1 1/2" = 1'-0" 12



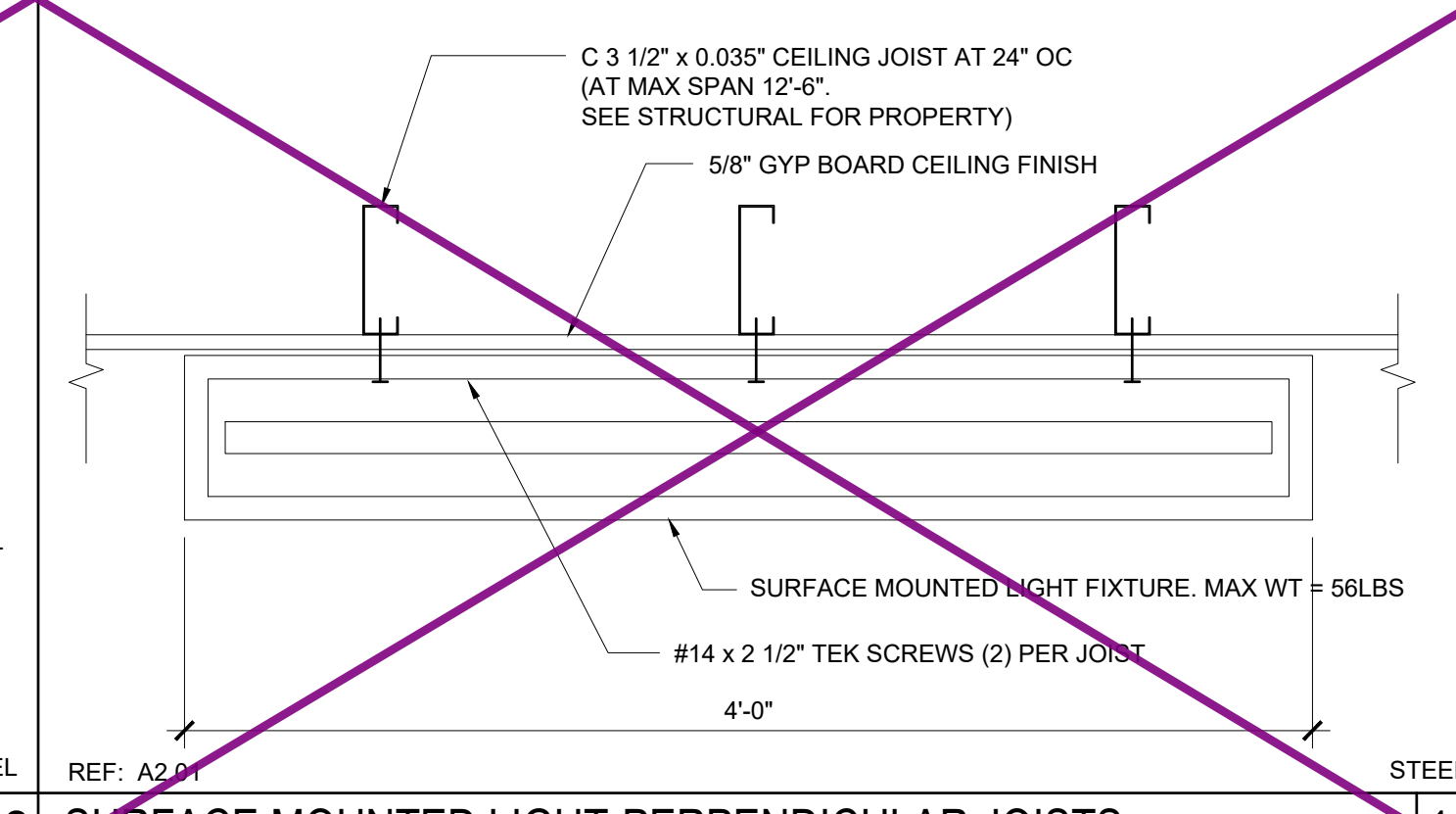
NOT USED 7



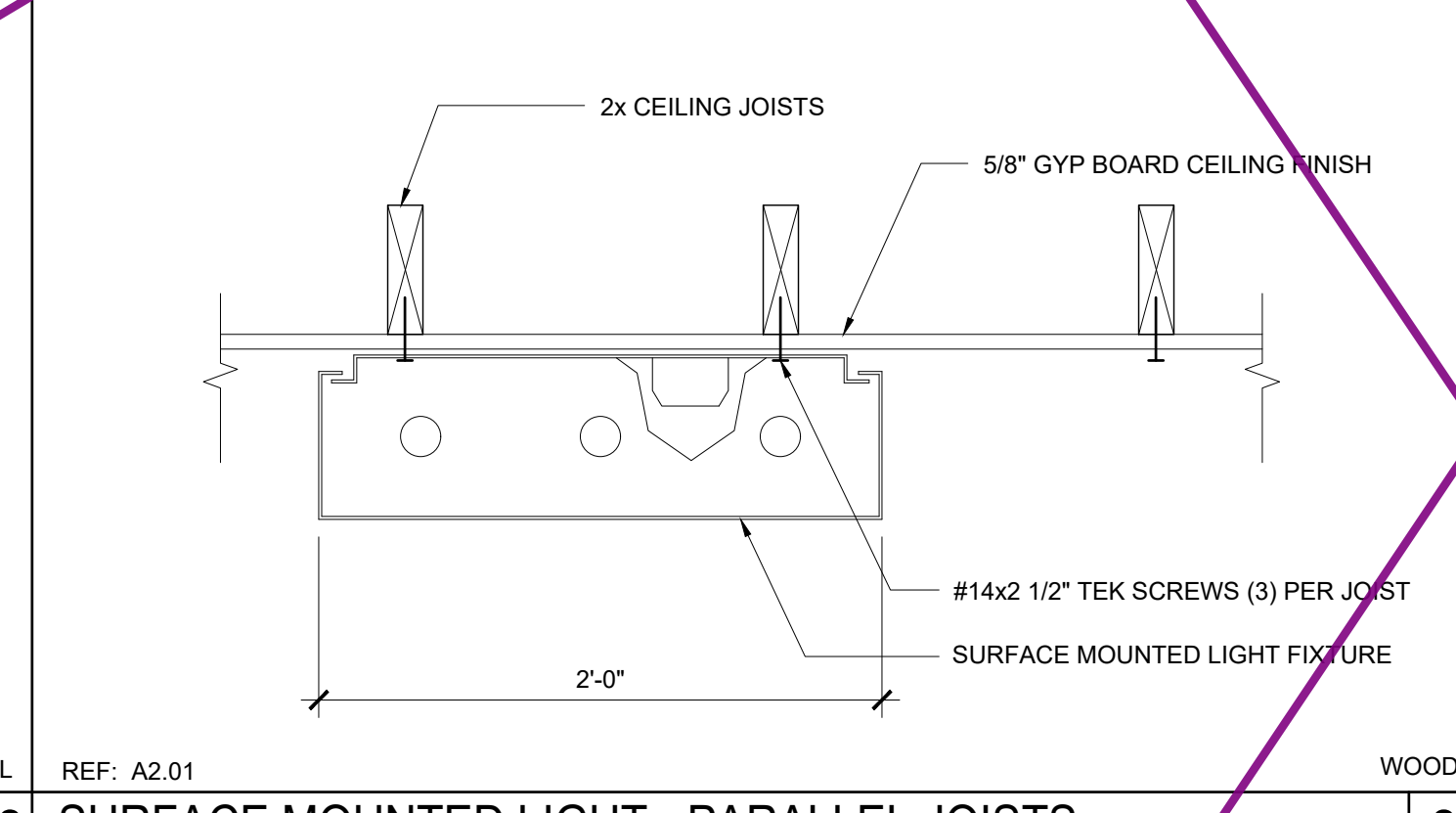
REF: A2.01 RECESSED LIGHT FIXTURE AT HARD LID SCALE: 1 1/2" = 1'-0" 2



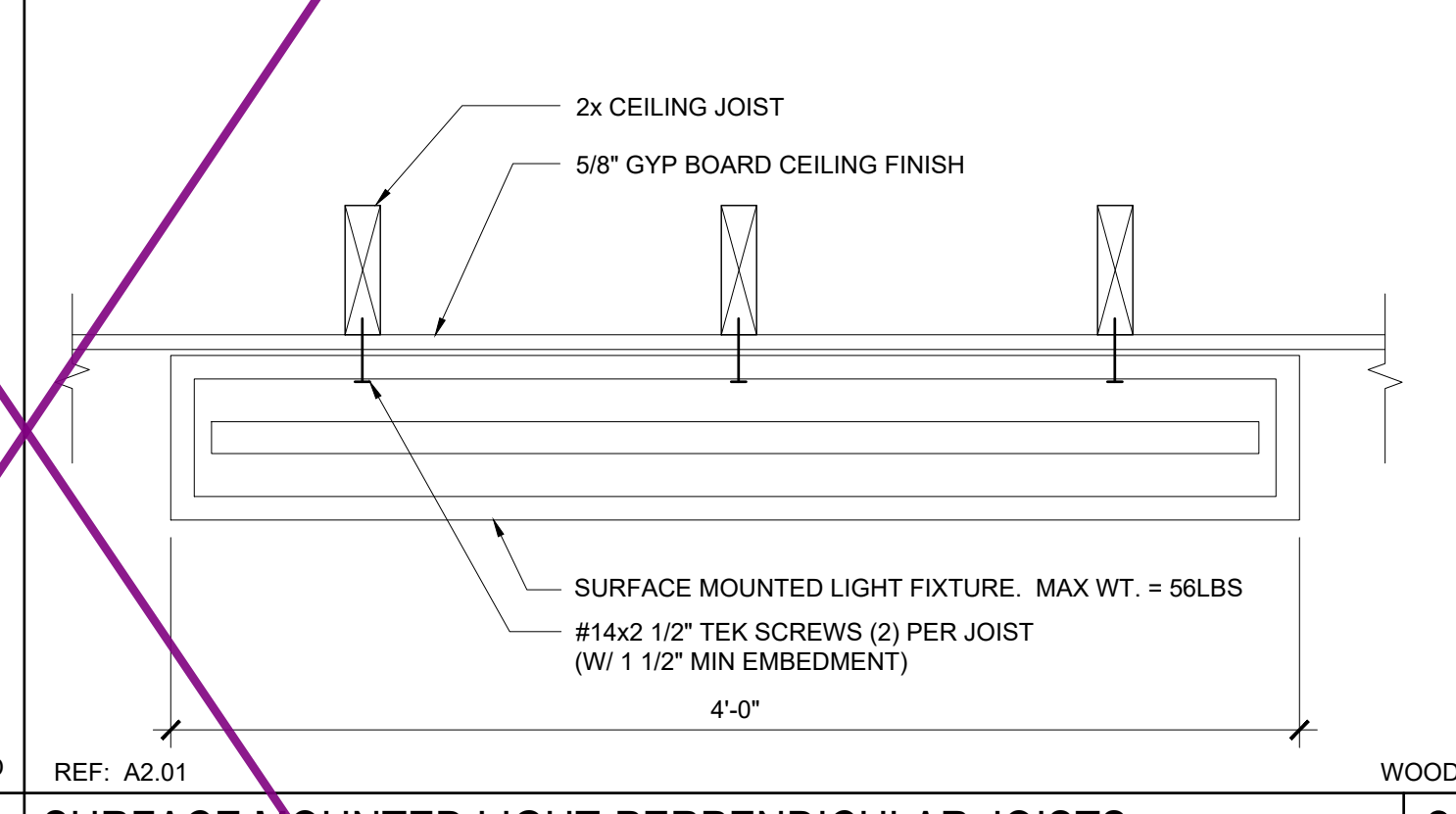
REF: A2.01 SURFACE MOUNTED LIGHT - PARALLEL JOISTS SCALE: 1 1/2" = 1'-0" 18



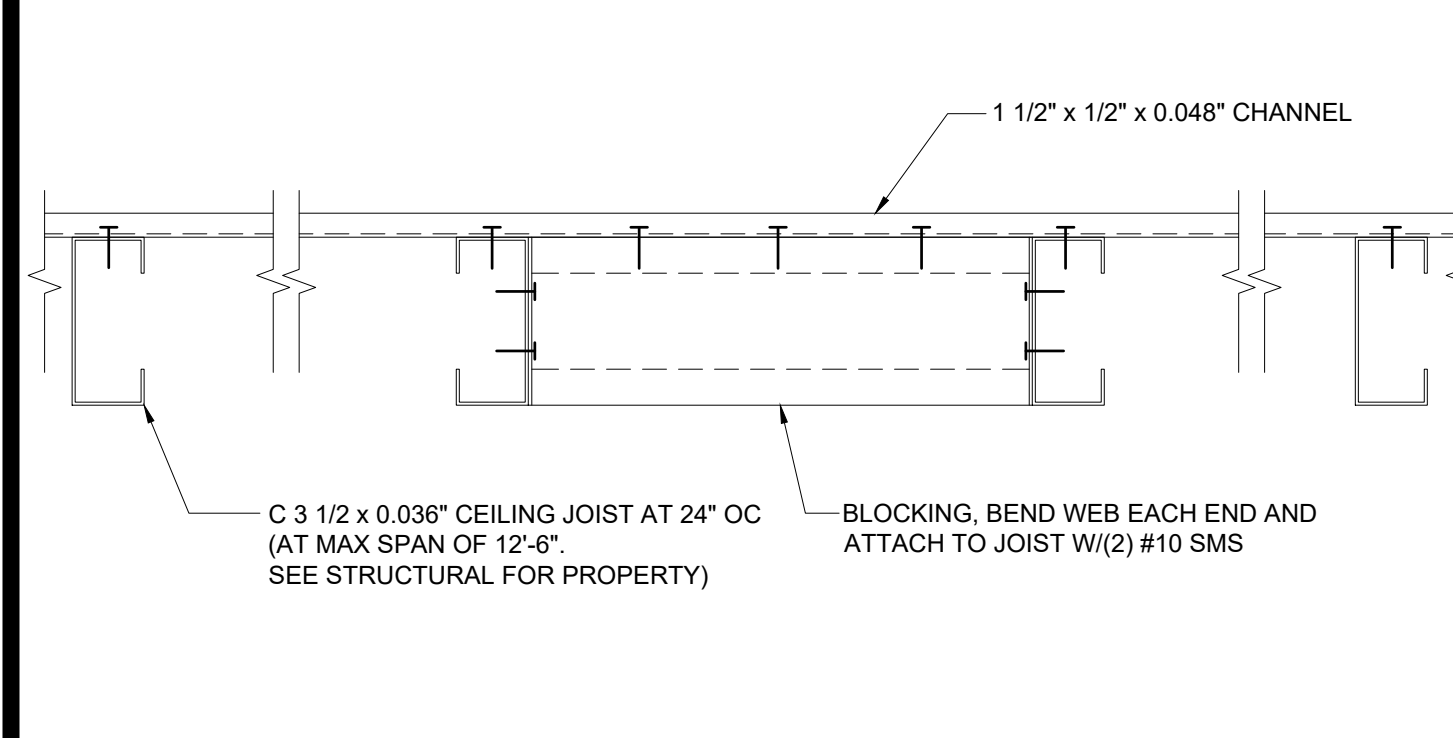
REF: A2.01 SURFACE MOUNTED LIGHT-PERPENDICULAR JOISTS SCALE: 1 1/2" = 1'-0" 13



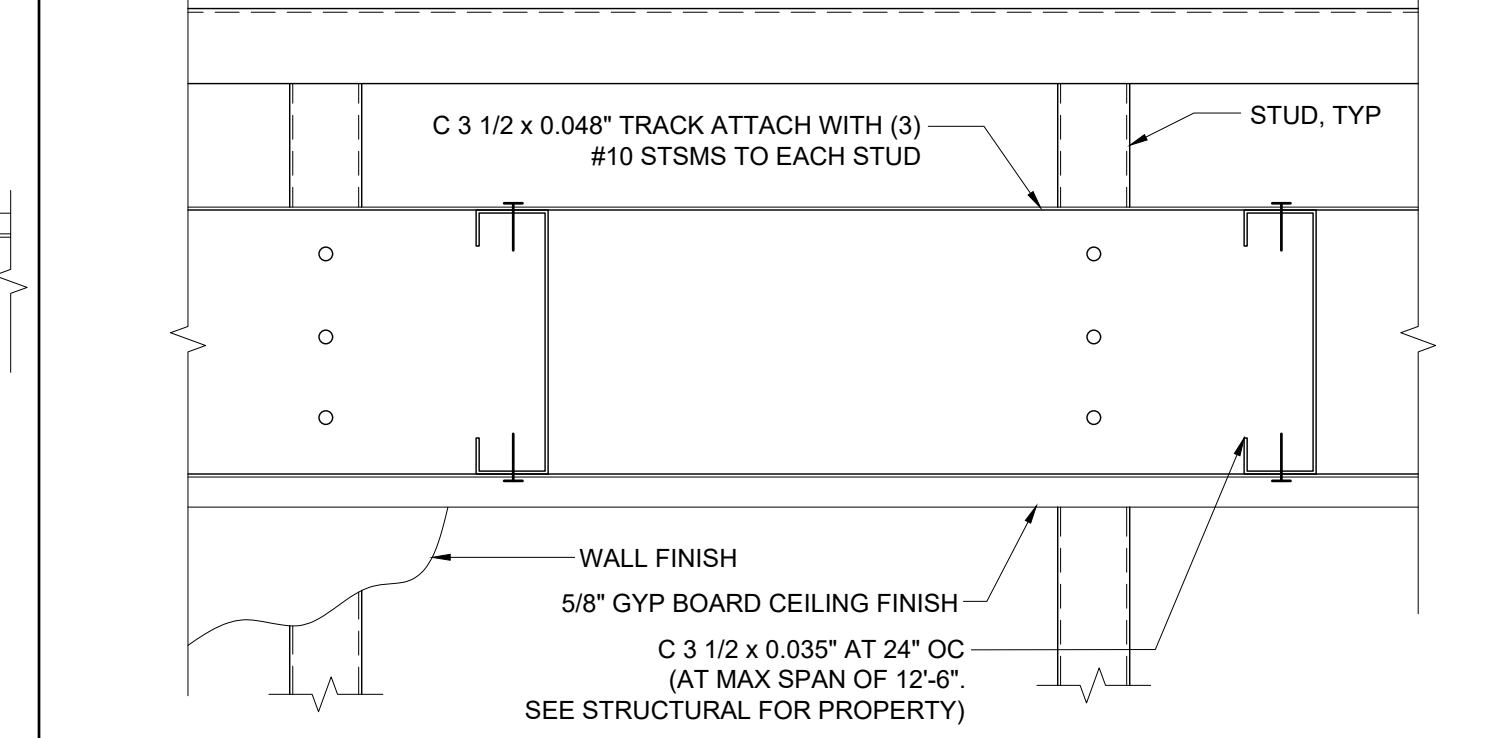
REF: A2.01 SURFACE MOUNTED LIGHT - PARALLEL JOISTS SCALE: 1 1/2" = 1'-0" 8



REF: A2.01 SURFACE MOUNTED LIGHT-PERPENDICULAR JOISTS SCALE: 1 1/2" = 1'-0" 3



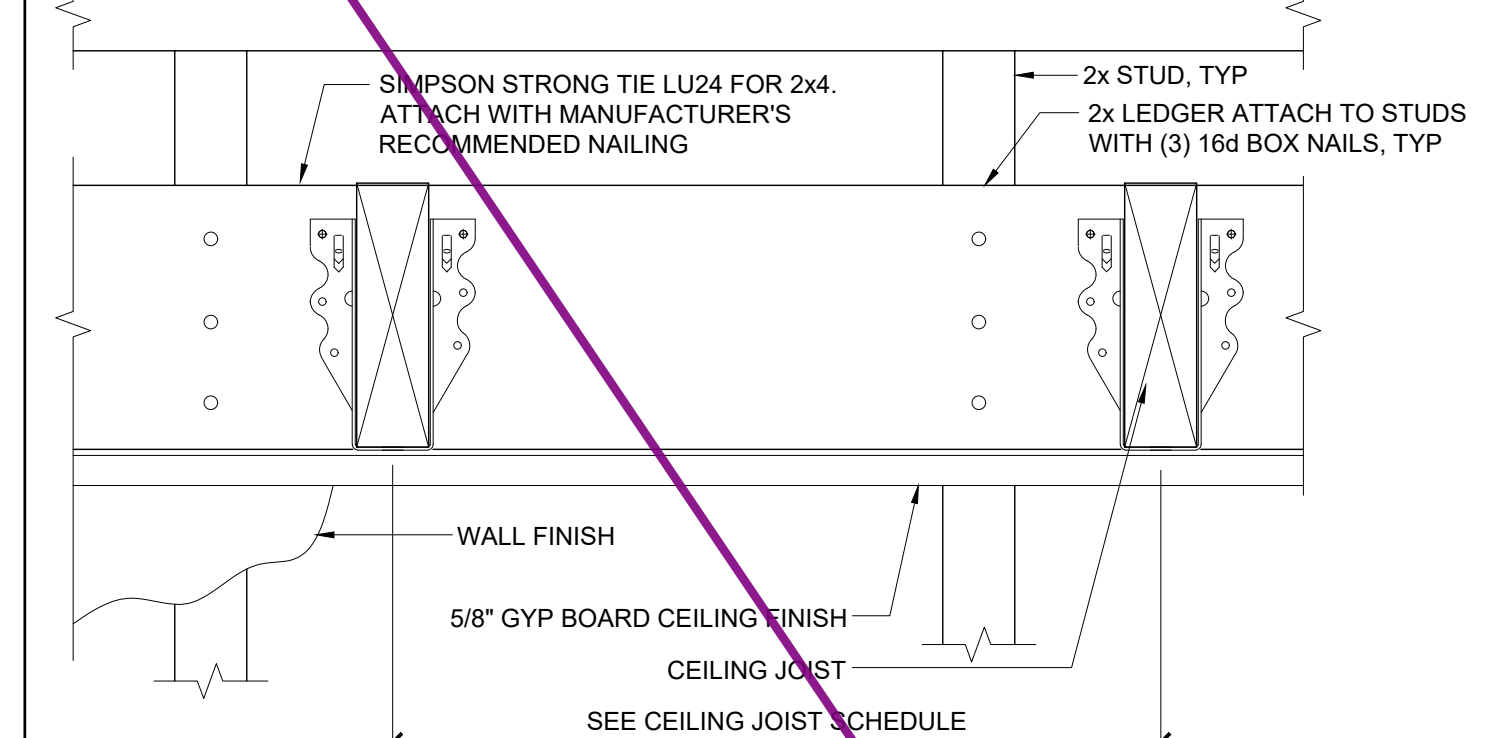
REF: A2.21 CEILING JOIST BLOCKING - STEEL SCALE: 3\"/>



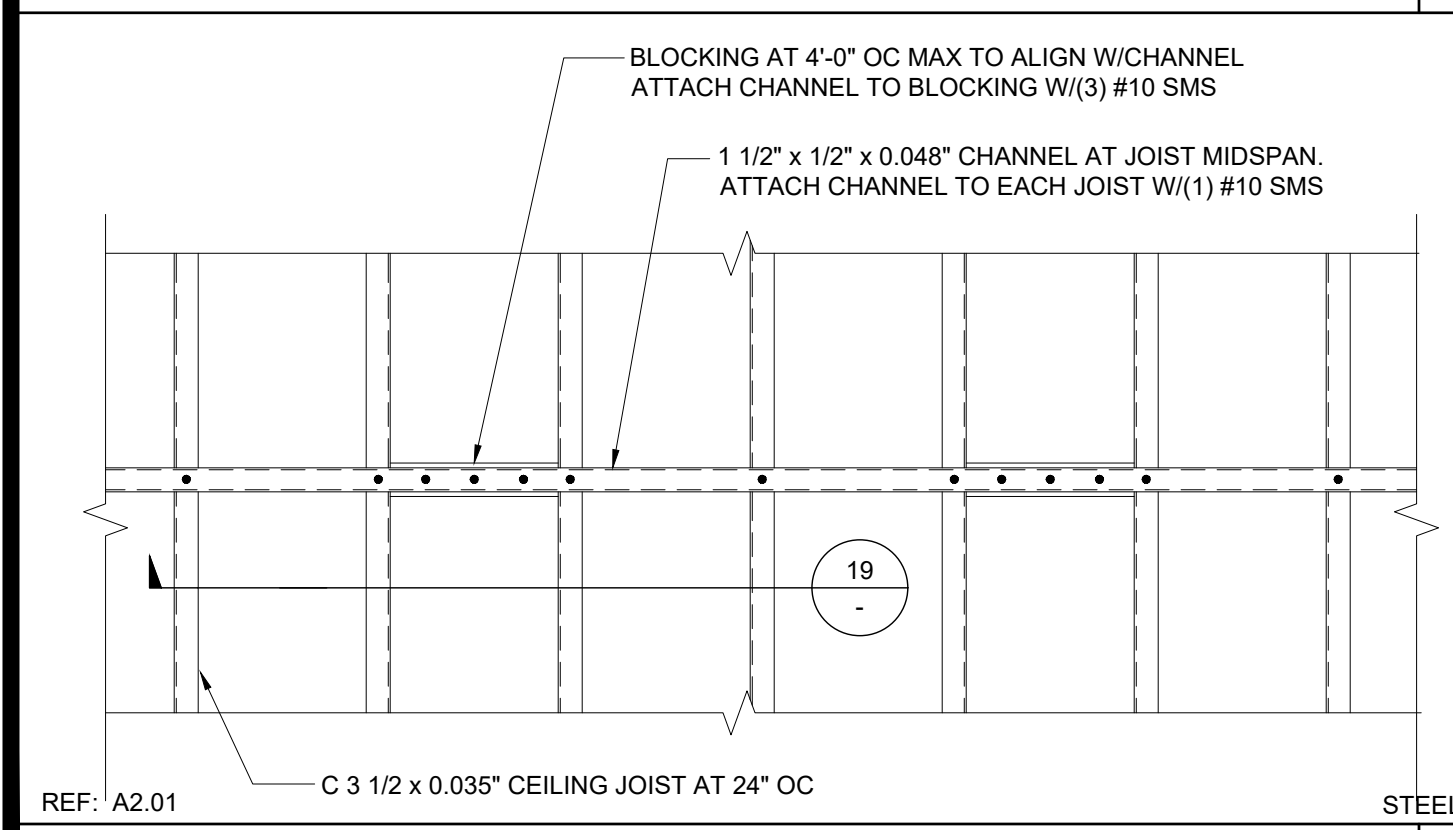
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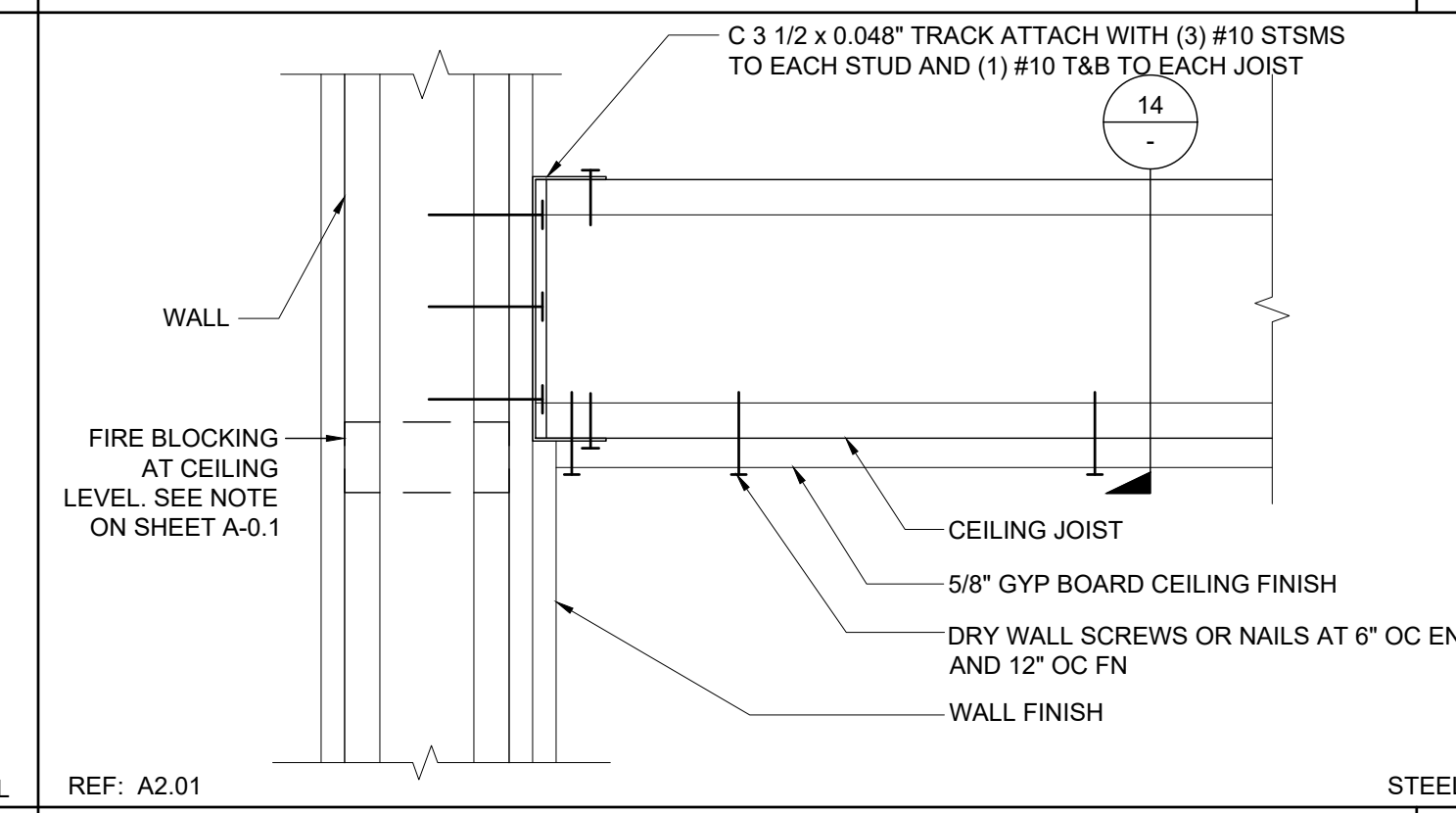
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REF: A2.21 HARD LID CEILING CONNECTION SCALE: 3\"/>



REF: A2.01 CEILING JOIST BLOCKING - STEEL SCALE: 1" = 1'-0" 20

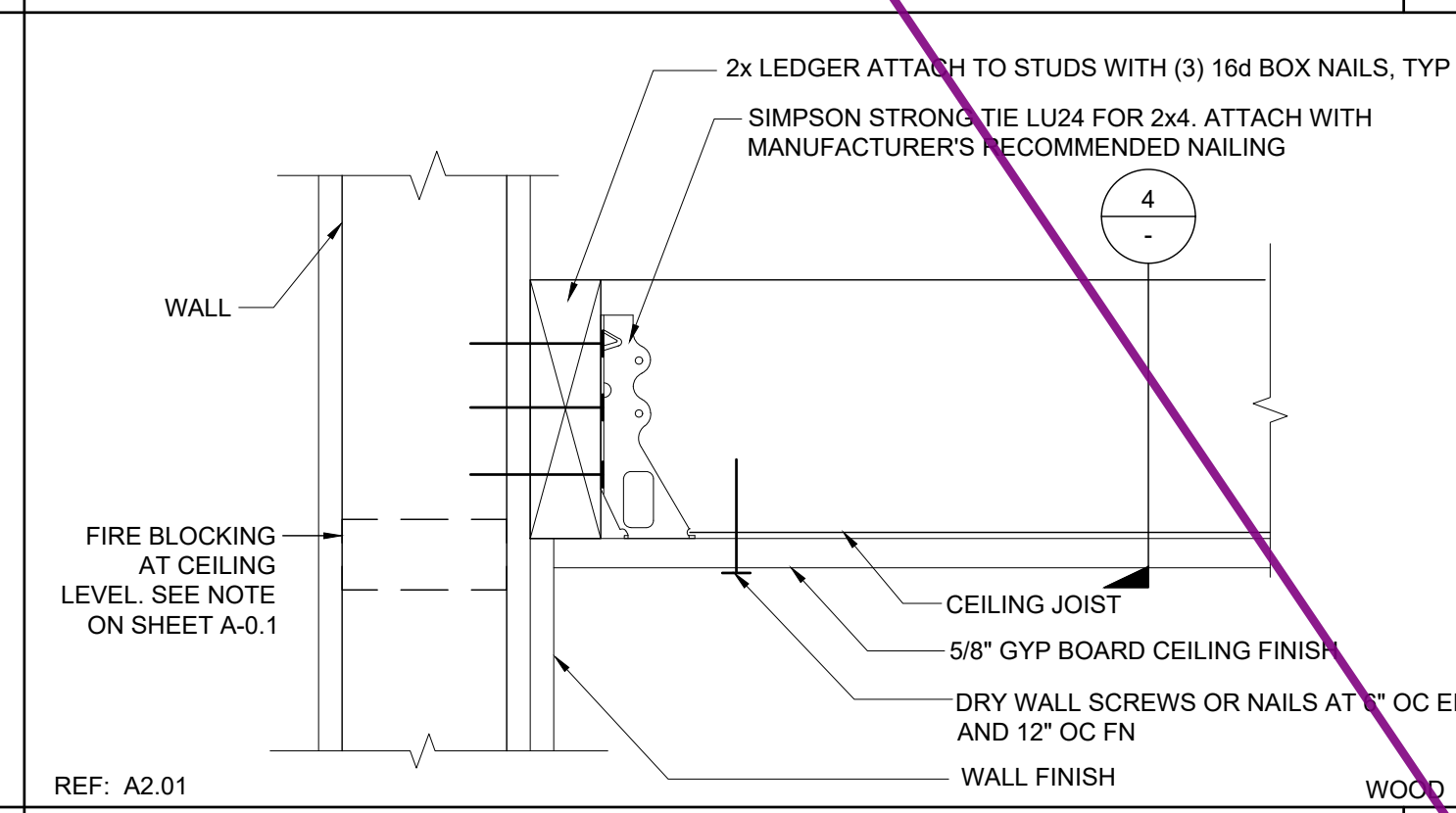


REF: A2.01 HARD LID CEILING CONNECTION STEEL SCALE: 3\"/>

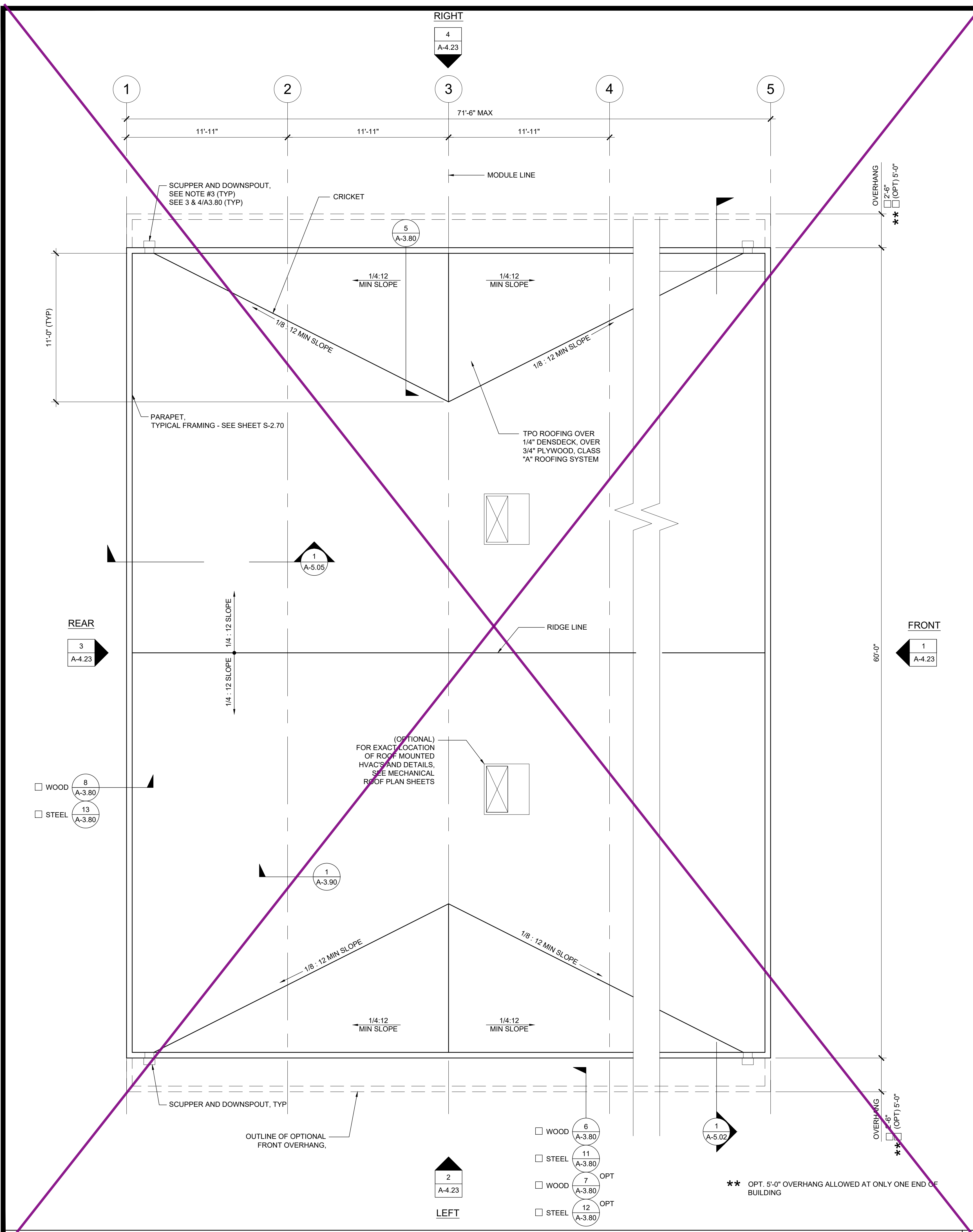
WOOD CEILING JOIST SCHEDULE

SPACING	HEMFIR STUD NO 2	HEMFIR NO 2	HEMFIR NO 1	DFL STUD	DFL NO. 2
12" OC	11' - 3"	11' - 7"	12' - 2"	11' - 10"	12' - 5"
16" OC	10' - 3"	10' - 6"	11' - 0"	10' - 9"	11' - 3"
24" OC	8' - 11"	9' - 2"	9' - 8"	9' - 5"	9' - 10"

REF: A2.01 WOOD CEILING JOIST SCHEDULE SCALE: NTS 10

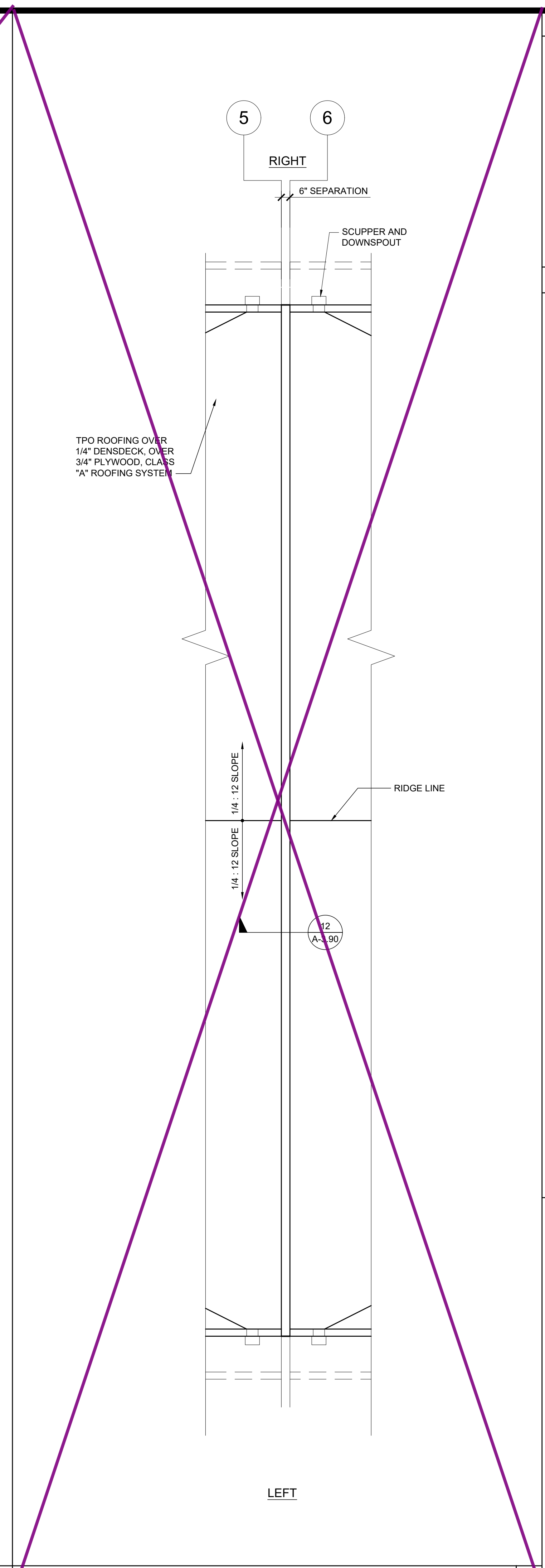


REF: A2.01 HARD LID CEILING CONNECTION SCALE: 3\"/>



ROOF PLAN - PARAPET - DUAL SLOPE

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

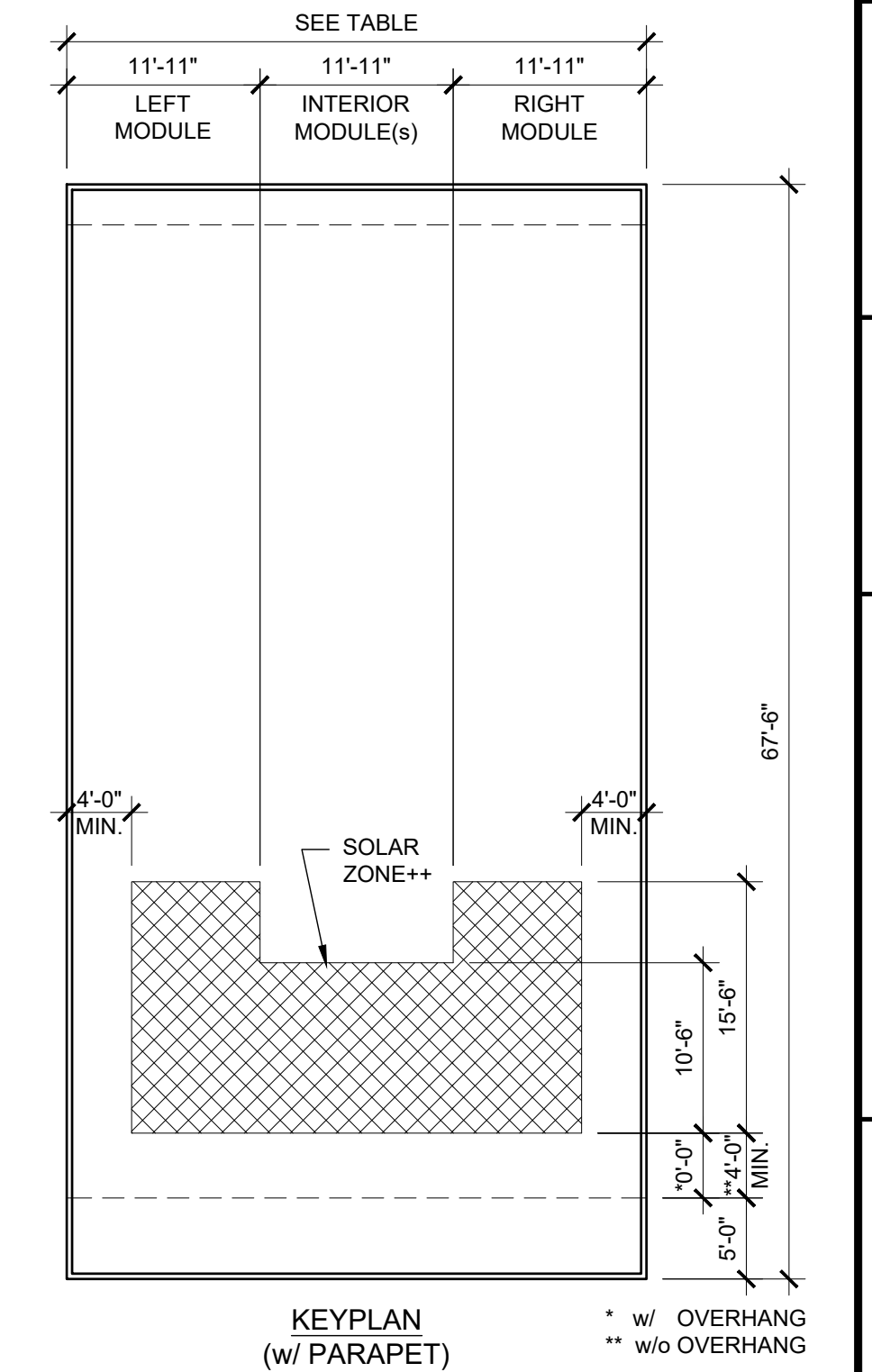


ROOF SEPARATION PLAN OPTION

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

- NOTES**
- BUILDINGS SHALL HAVE ROOF COVERINGS AS SPECIFIED IN CBC TABLE 1505.1 - CLASS A.
 - LOCATIONS OF DRAFTSTOP AND/OR FULL HEIGHT PARTITIONS AS REQUIRED PER CBC-718.4.3 SHALL BE SHOWN ON PROJECT SPECIFIC PLANS LOCATED AT MODULE LINES.
 - ALL ROOFTOP EQUIPMENT THAT REQUIRES SERVICE & ROOF ACCESS HATCHES MUST BE A MIN. OF 10'-0" AWAY FROM ALL ROOF EDGES TO OPENING EDGES. PER CBC 2018 SECTIONS 1015.6 & 1015.7, OR PROVIDE 42" MIN. PARAPET OR GUARDRAIL.

SOLAR ZONE



SOLAR ZONE CALCULATION TABLE

BUILDING SIZE	REQUIRED SOLAR ZONE	PROVIDED SOLAR ZONE
24'-0" x 67'-6"	242 SF	250 SF
36'-0" x 67'-6"	363 SF	375 SF
48'-0" x 67'-6"	484 SF	500 SF
60'-0" x 67'-6"	605 SF	625 SF
72'-0" x 67'-6"	726 SF	750 SF

ROOF AREA PER MODULE = 775 SF
 REQUIRED SOLAR ZONE = 121 SF
 PROVIDED SOLAR ZONE = 125 SF

++NOTE: ACTUAL SOLAR ZONE LOCATION AND SIZE MAY VARY. MINIMUM ZONE AREA SHALL BE PER THE TABLE ABOVE.

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SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

**ROOF PLAN
36' TO 72' x 60' - PARAPET
DUAL SLOPE**

REGISTERED PROFESSIONAL ARCHITECT
STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

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APP: 04-119394 INC:
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SS FLS ACS
DATE: 12/17/2020

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04 - 116719 INCR: 0
AC_RM_FLS_DS_SSR KER
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REVISIONS

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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO. _____
DRAWN BY: _____
SCALE: AS NOTED
DATE: 8-10-18

P.C. SHEET NUMBER
A-3.33

REFER TO "N" SHEETS FOR PROJECT SPECIFIC

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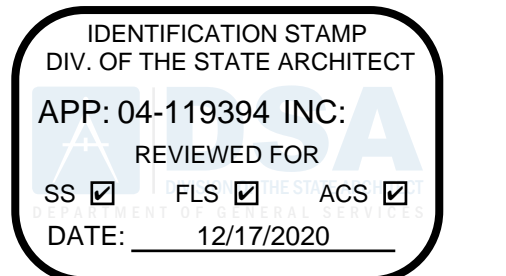
SHEET TITLE:

**ROOF DETAILS
PARAPET**

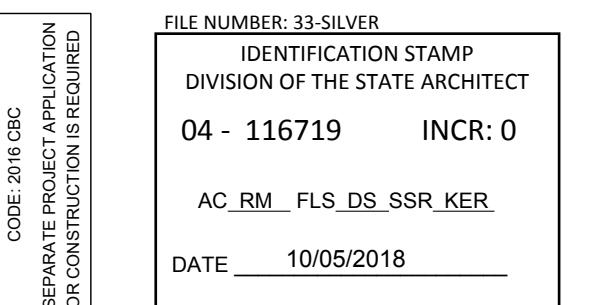


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ORIGINAL PC STATE AGENCY APPROVAL



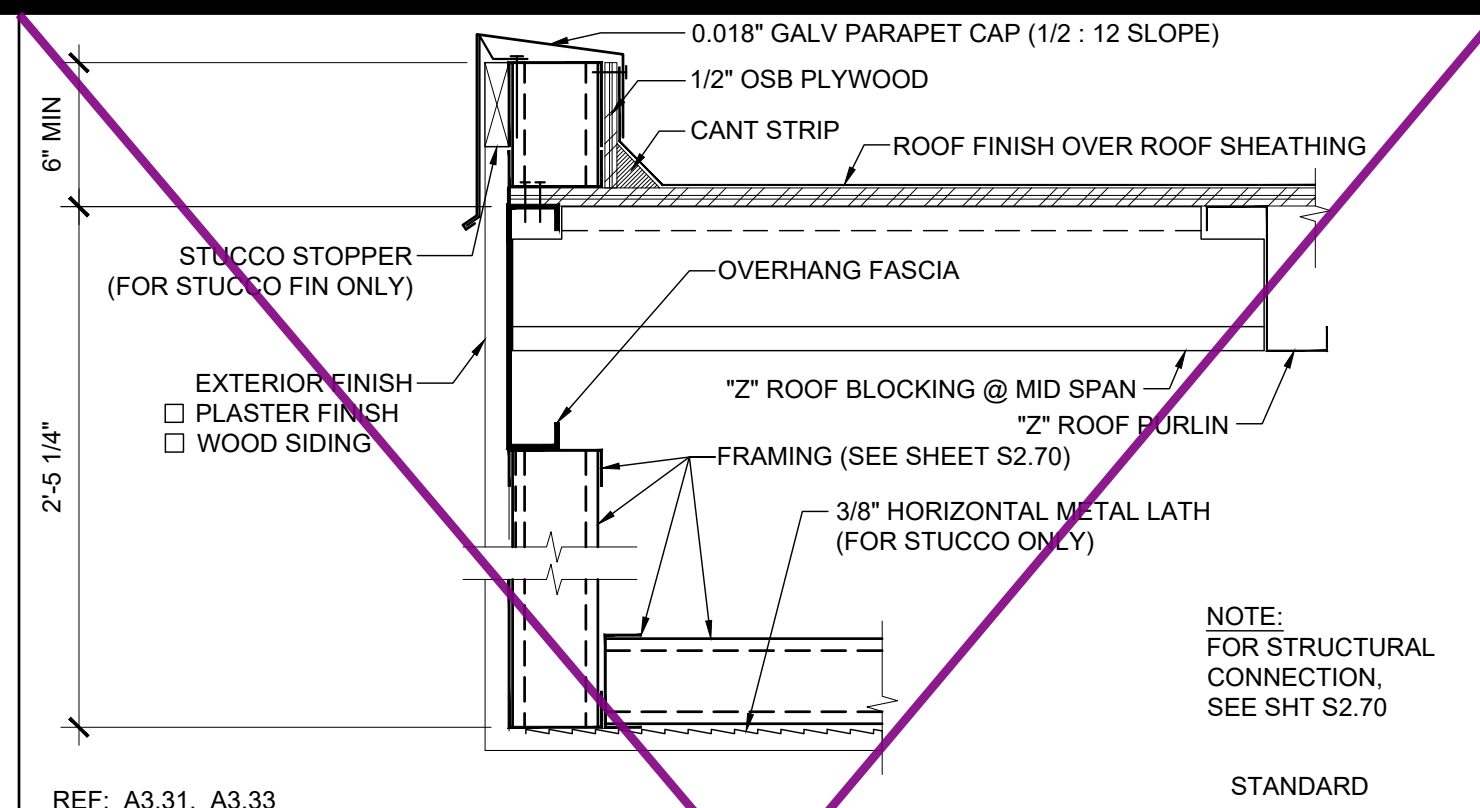
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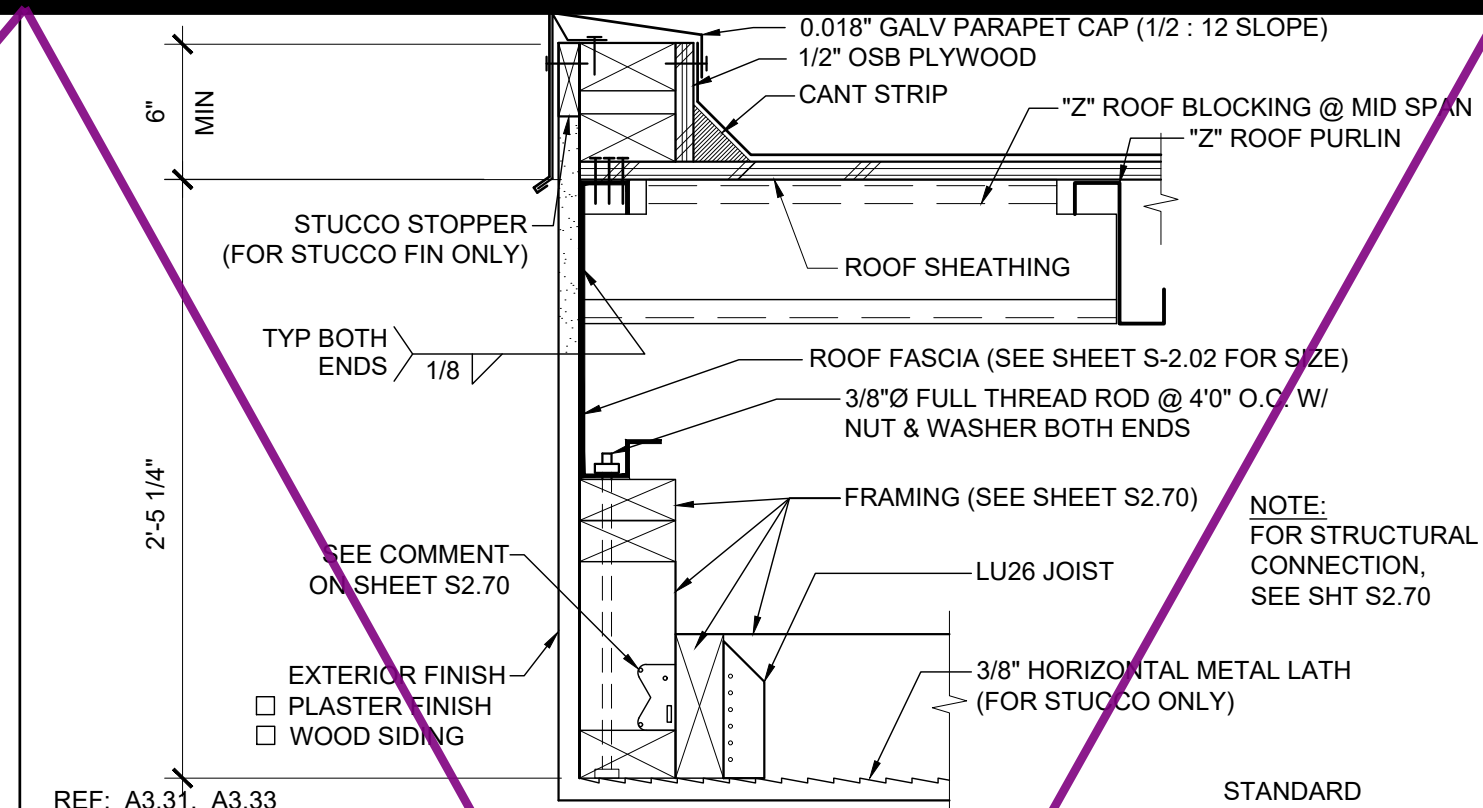
SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
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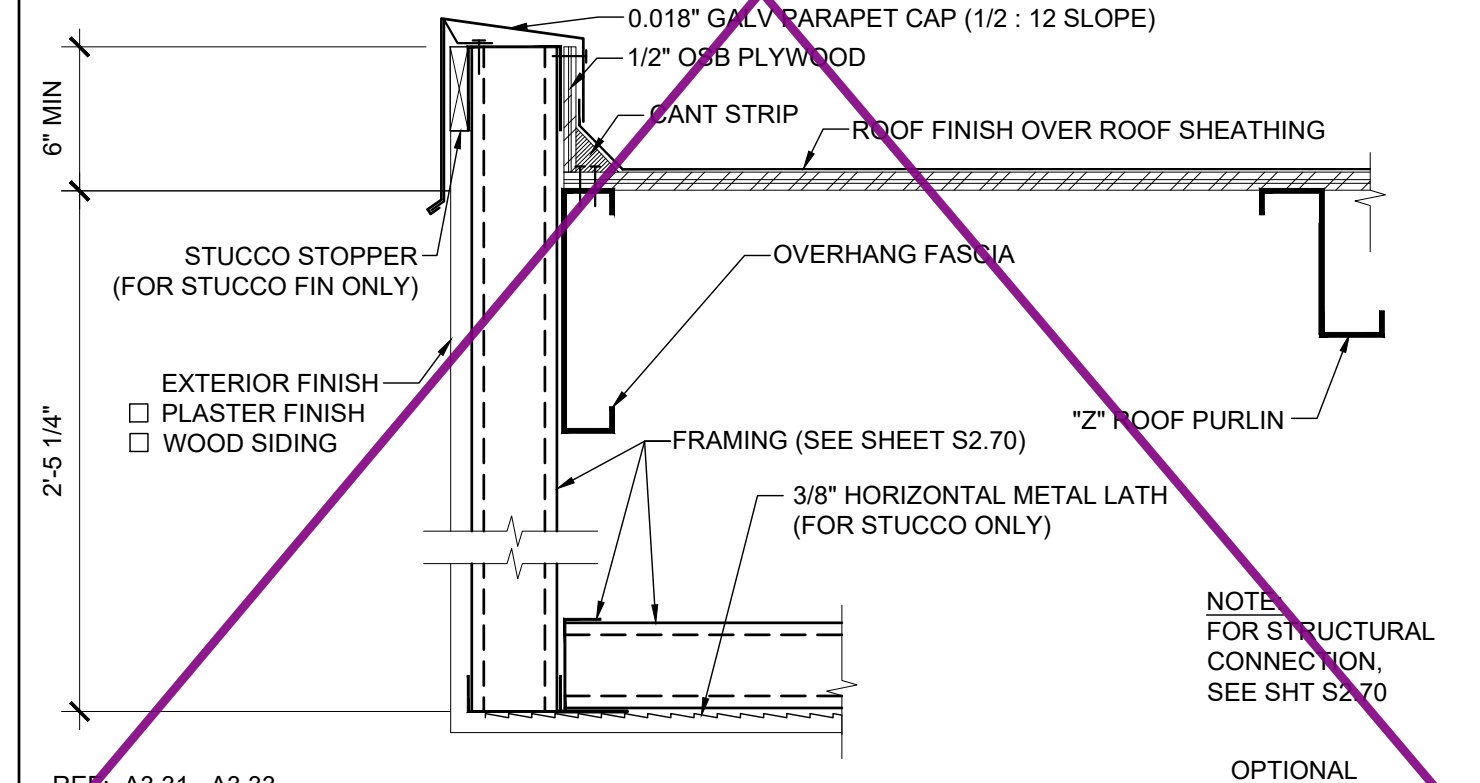
A-3.80



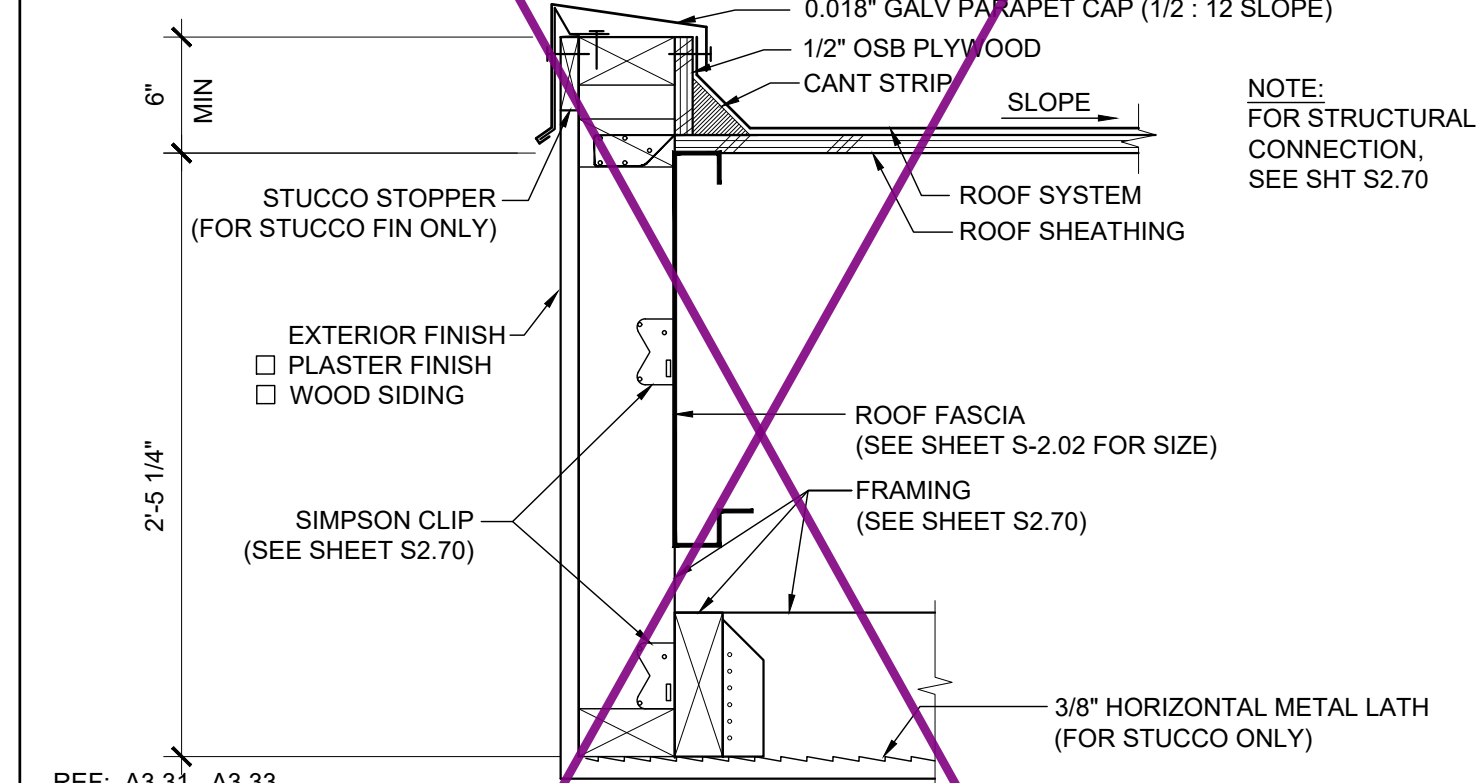
FRONT PARAPET SECTION (STEEL FRAME) SCALE: 1 1/2" = 1'-0" 11



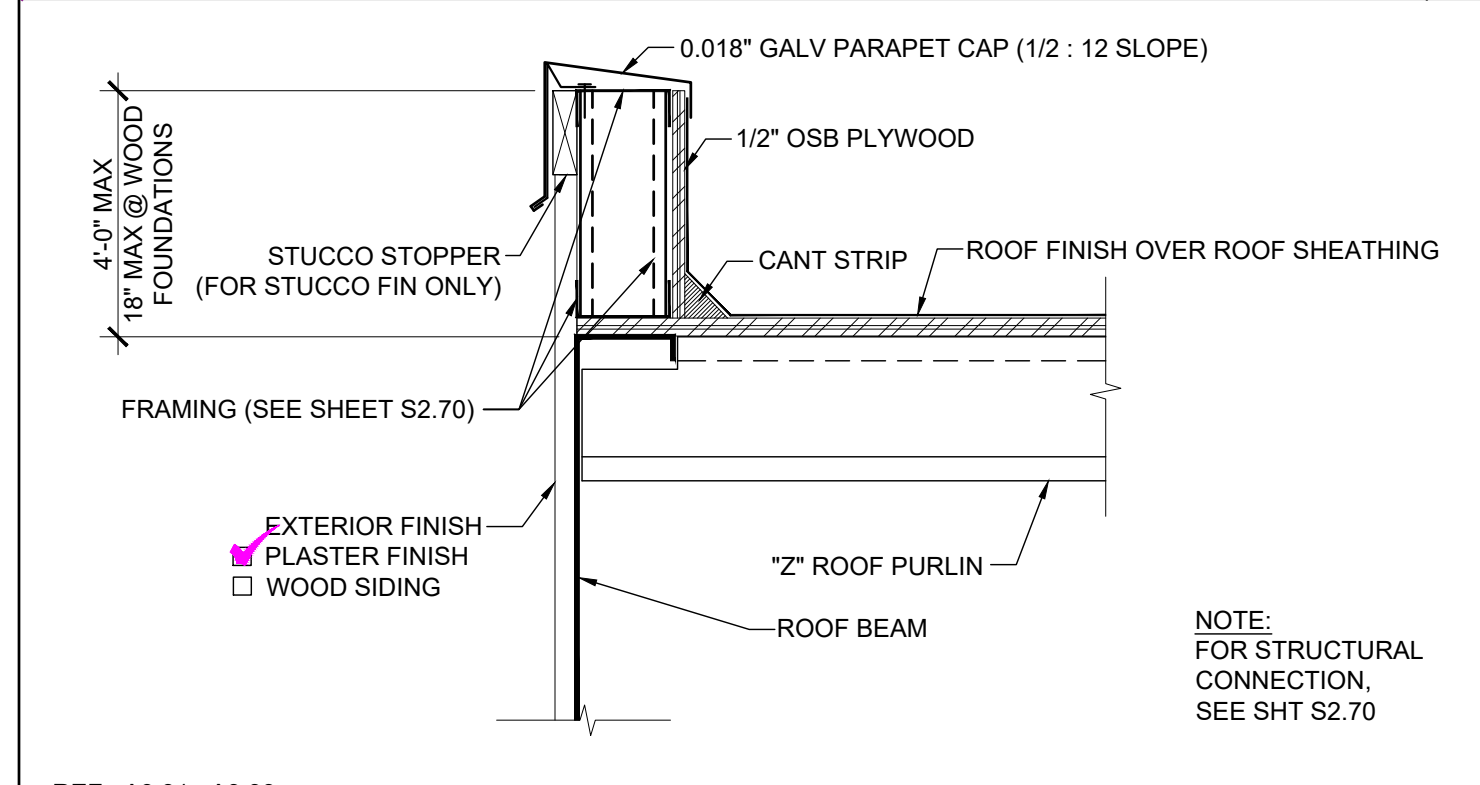
FRONT PARAPET SECTION (WOOD FRAME) SCALE: 1 1/2" = 1'-0" 6



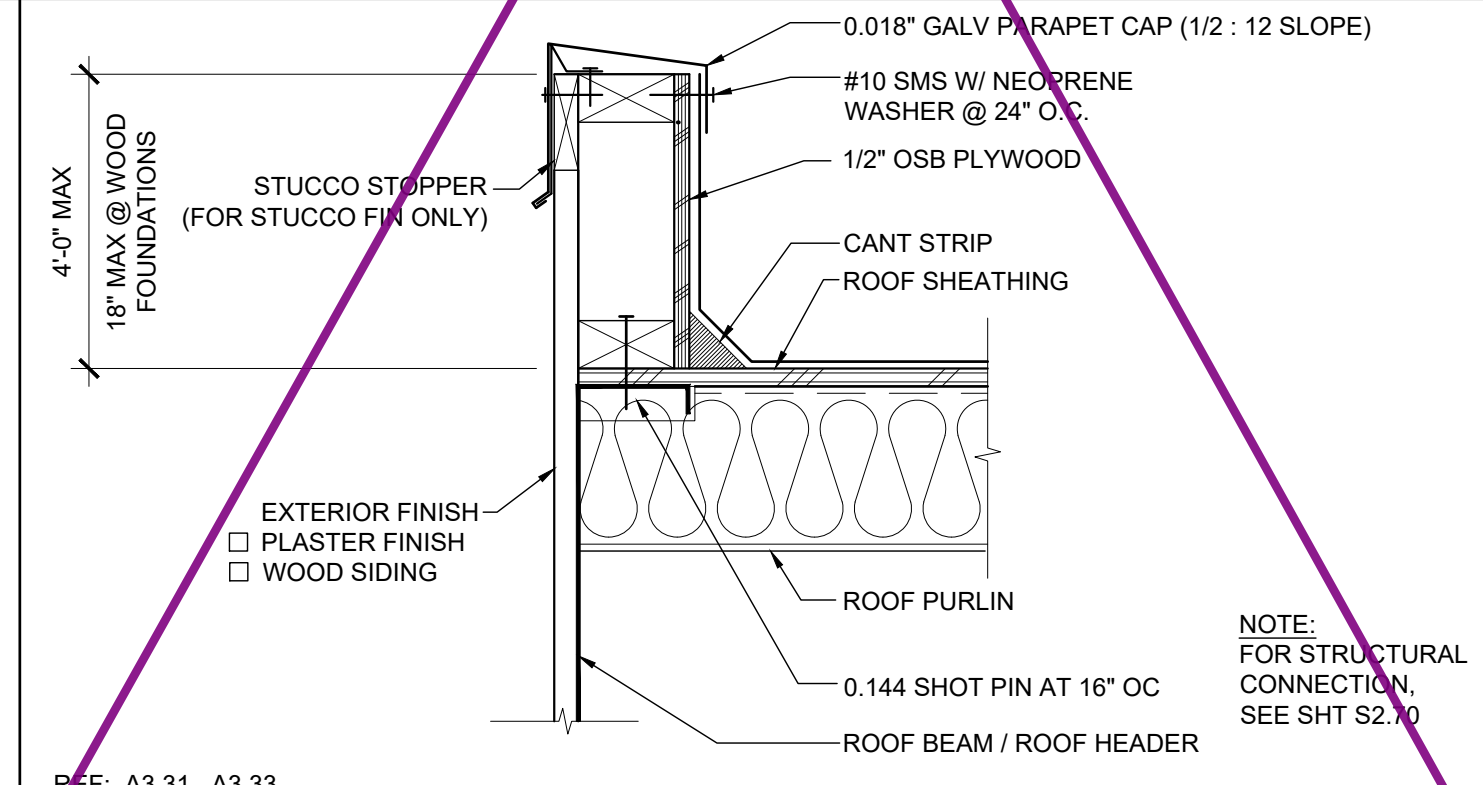
FRONT PARAPET SECTION (STEEL FRAME) SCALE: 1 1/2" = 1'-0" 12



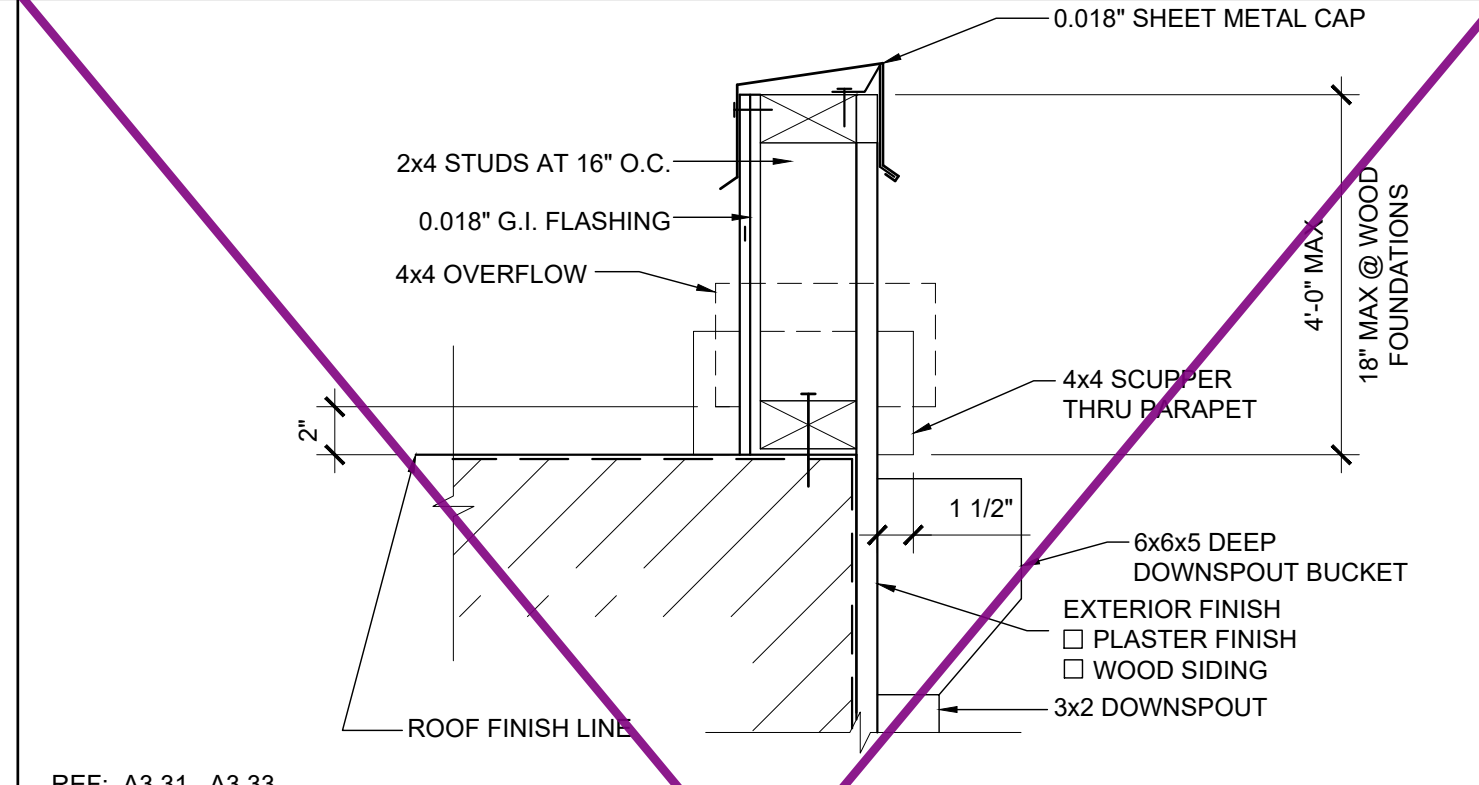
FRONT PARAPET SECTION (WOOD FRAME) SCALE: 1 1/2" = 1'-0" 7



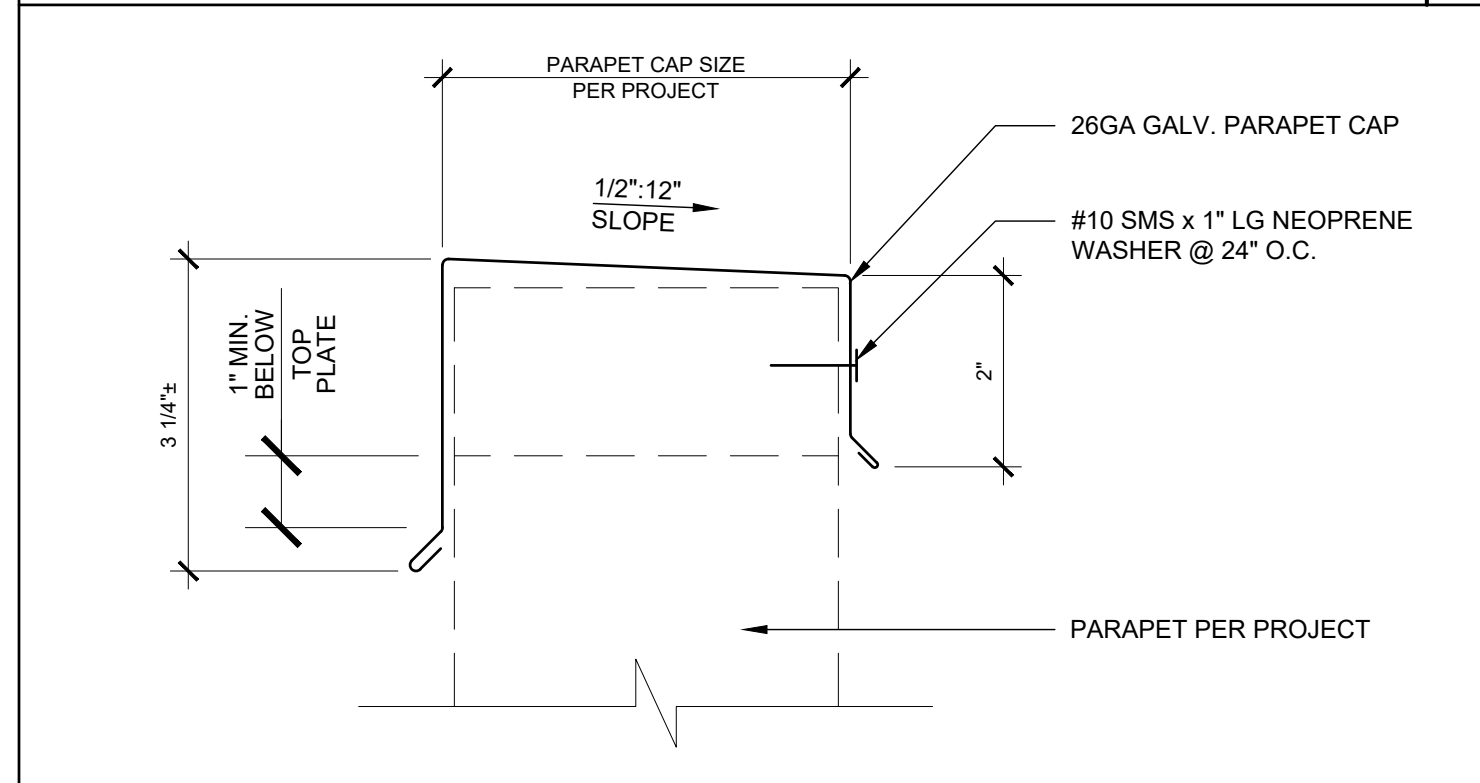
SIDEWALL PARAPET SECTION (STEEL FRAME) SCALE: 1 1/2" = 1'-0" 13



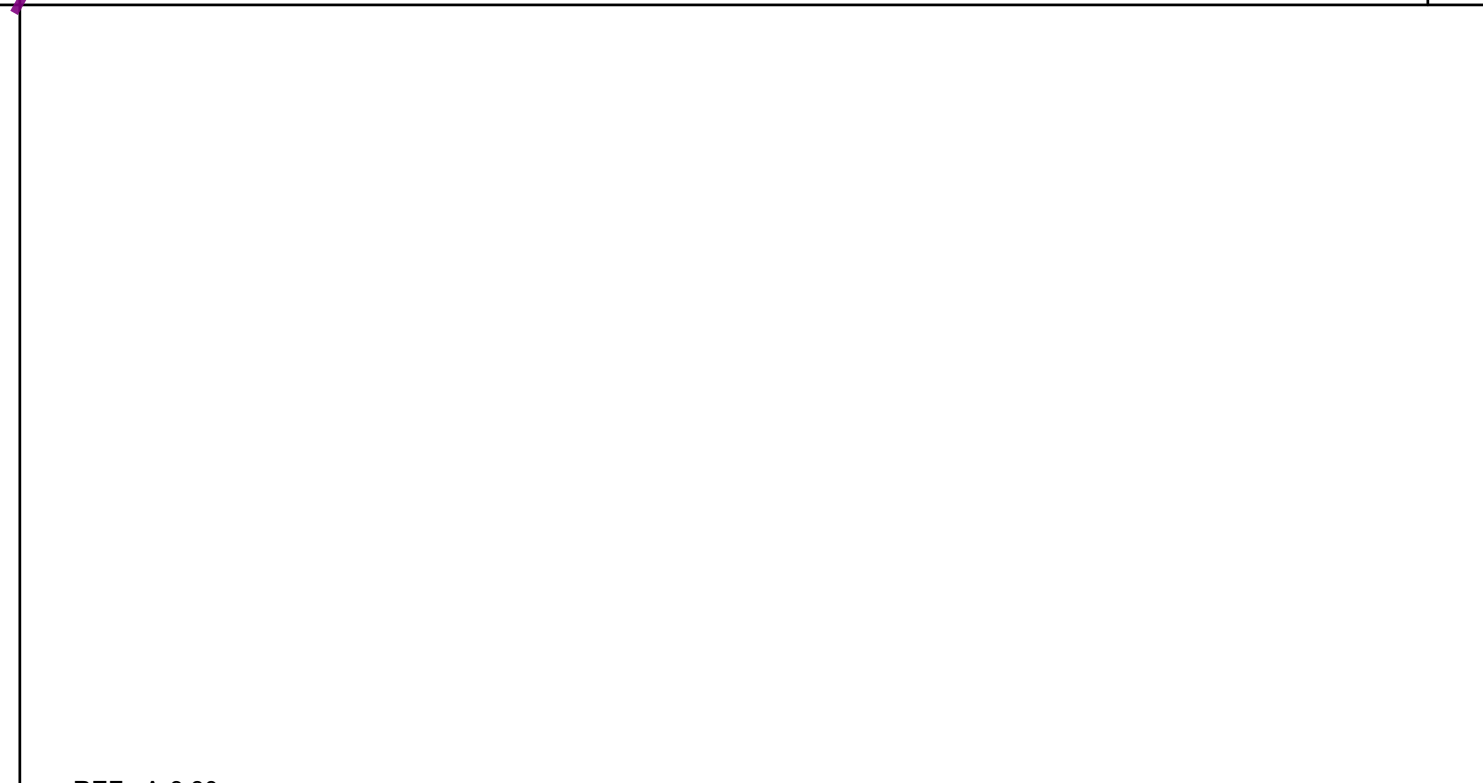
SIDEWALL PARAPET SECTION (WOOD FRAME) SCALE: 1 1/2" = 1'-0" 8



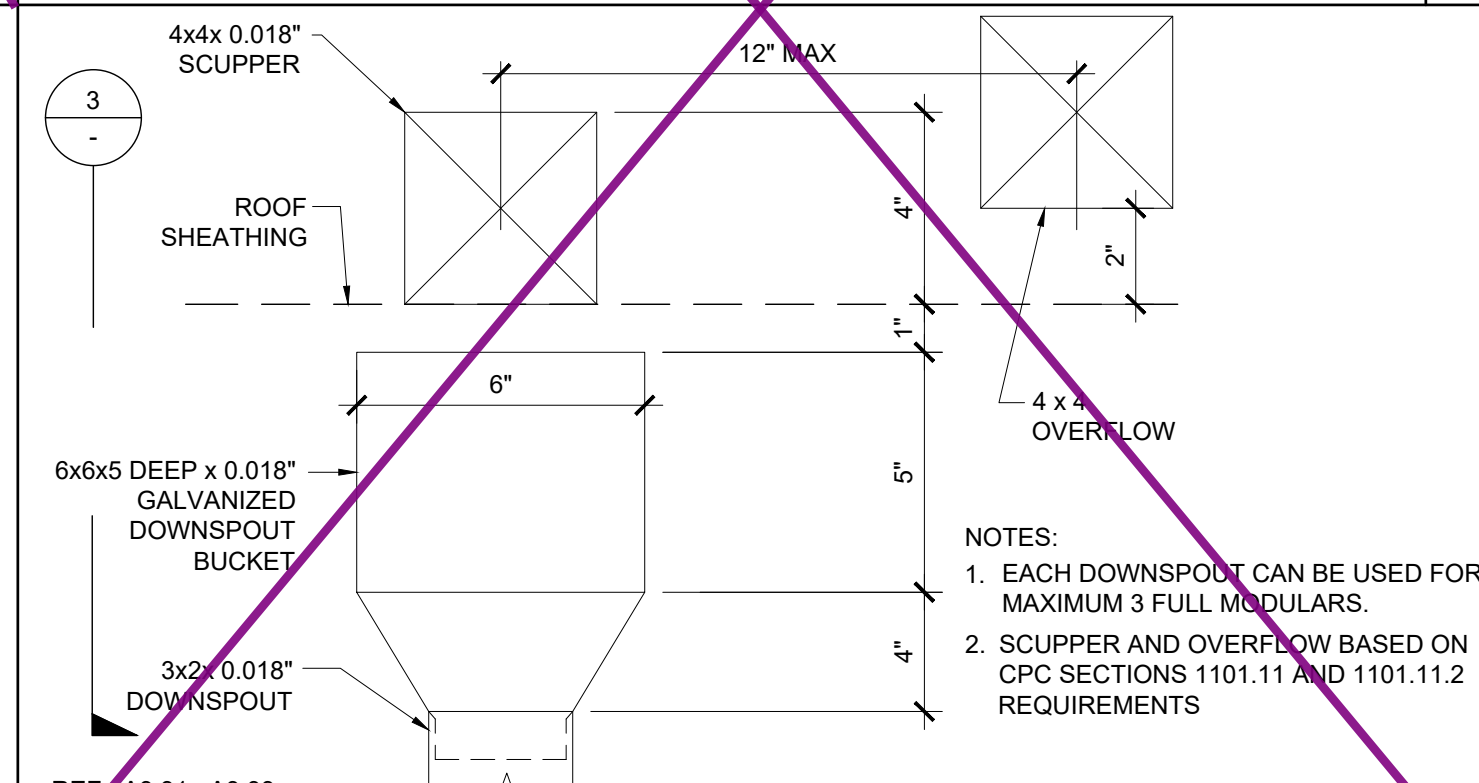
PARAPET DETAIL SCALE: 1 1/2" = 1'-0" 3



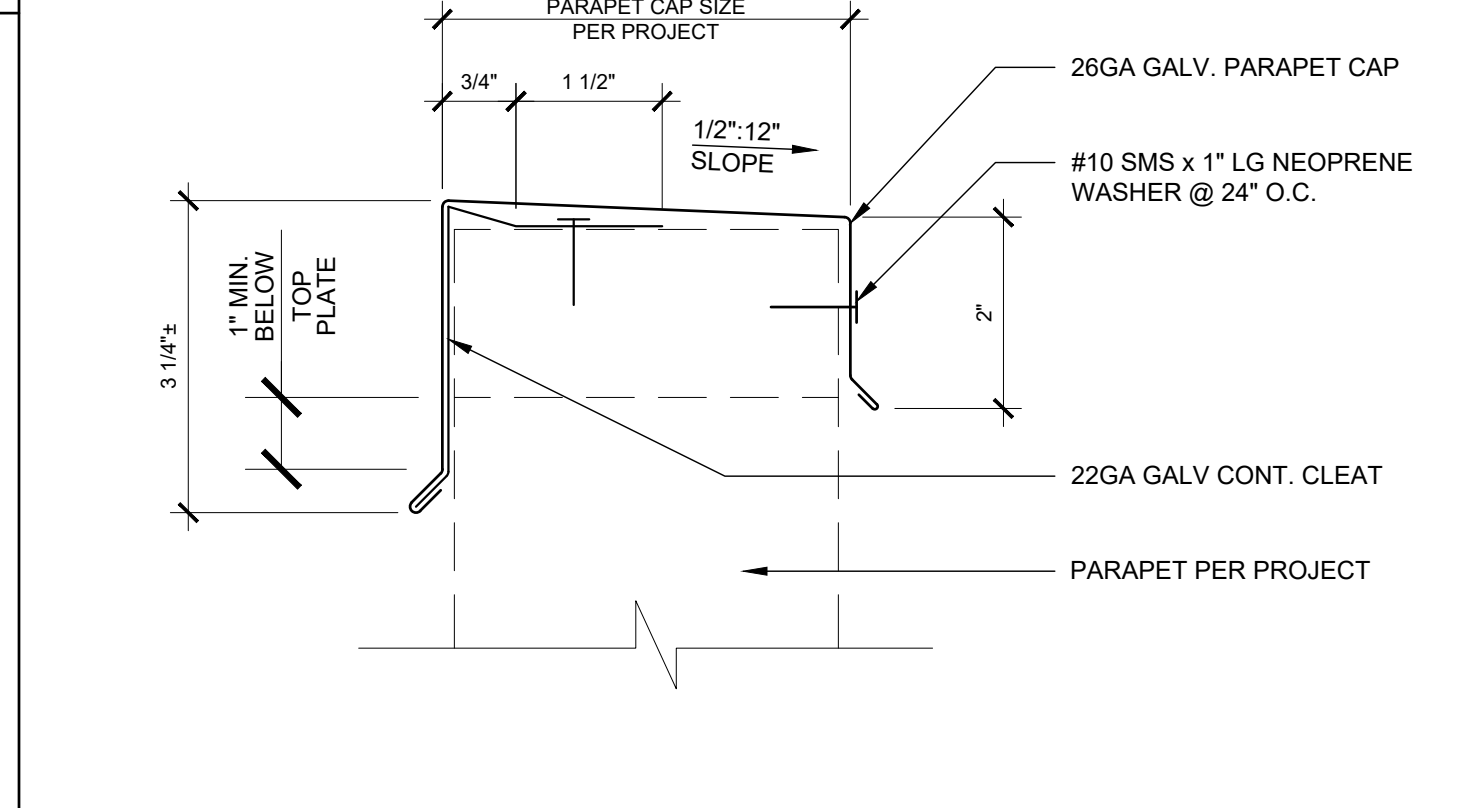
PARAPET CAP DETAIL SCALE: 1 1/2" = 1'-0" 15



SCUPPER DETAIL AT PARAPET SCALE: 3" = 1'-0" 9



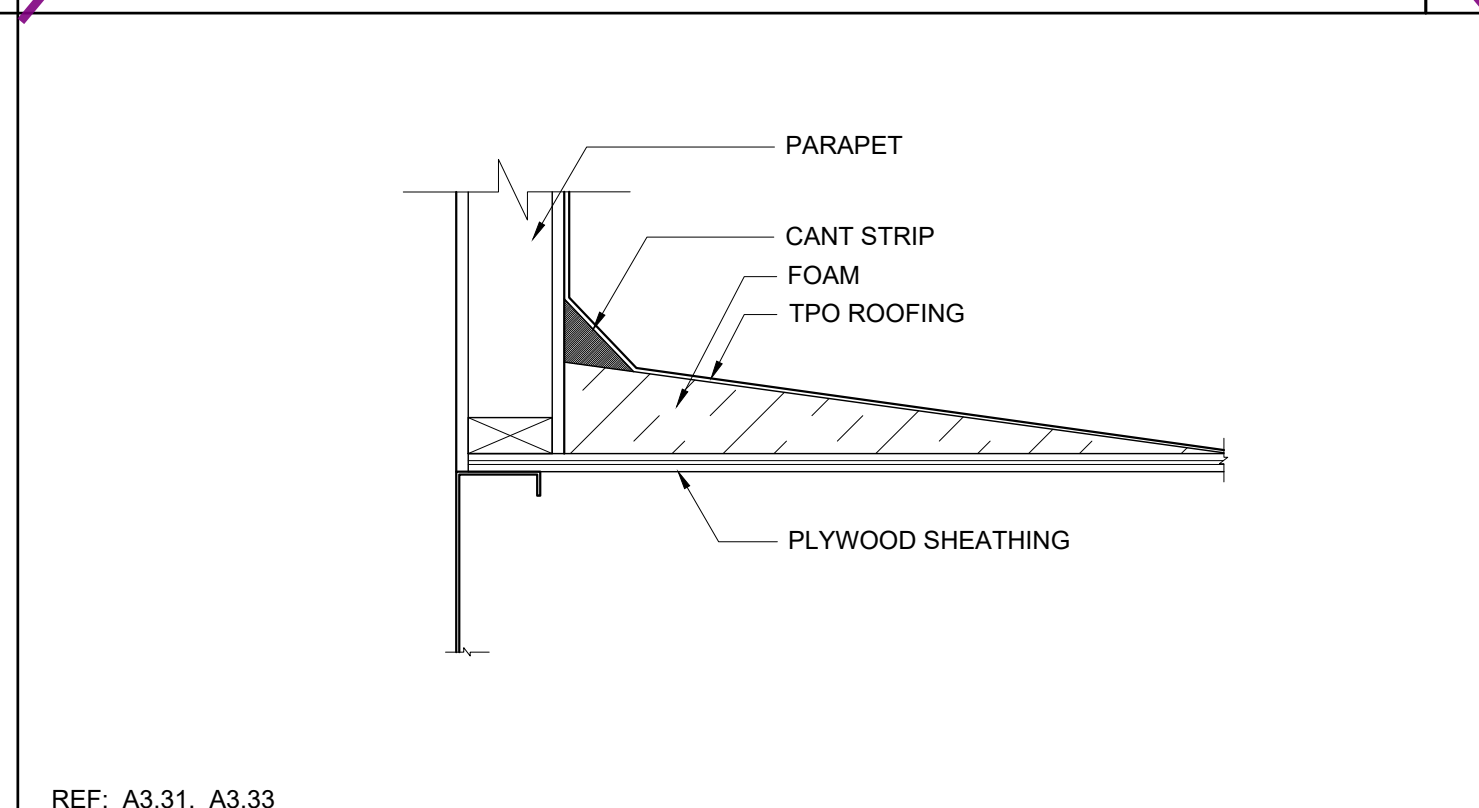
SECTION AT CRICKET SCALE: 1 1/2" = 1'-0" 5



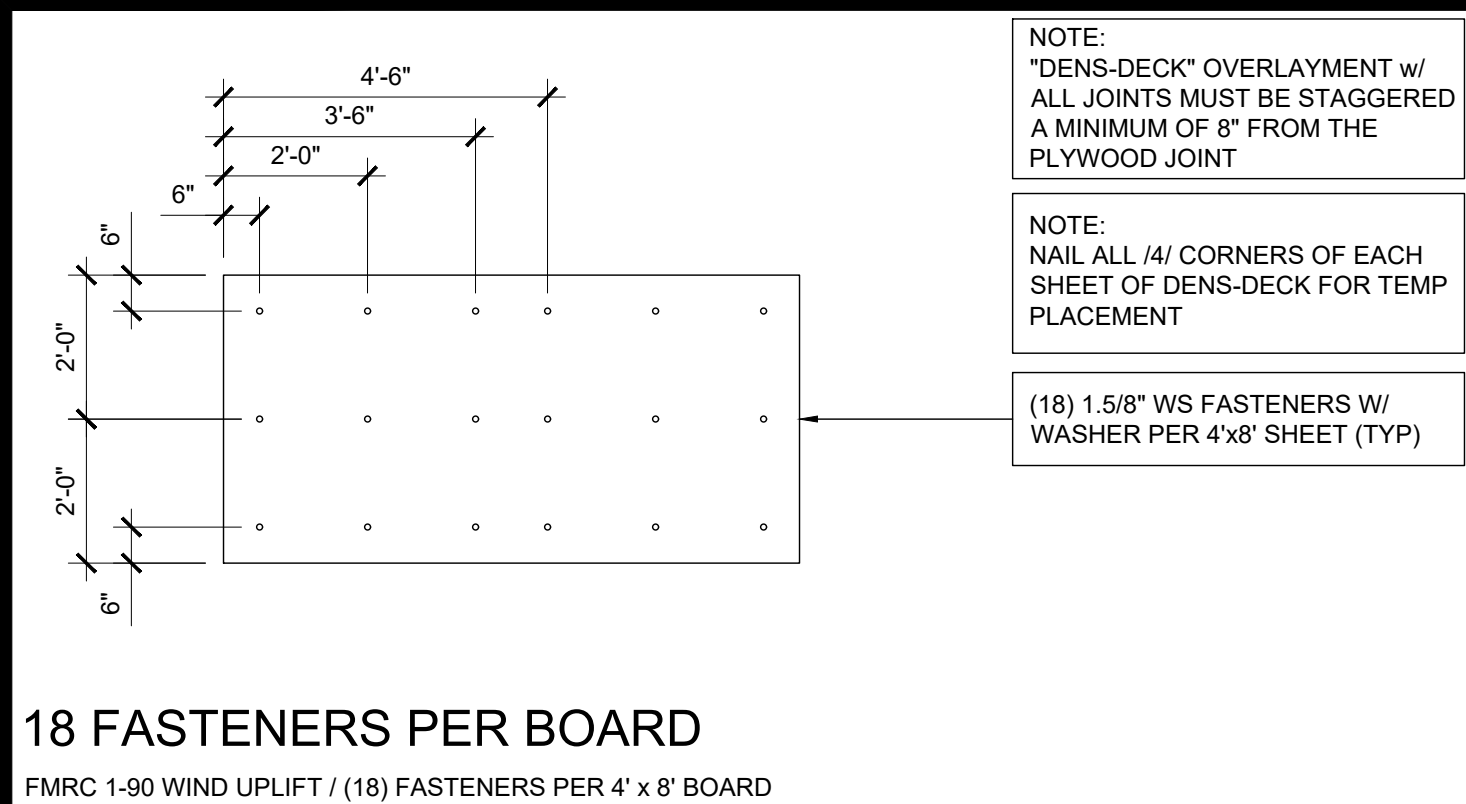
PARAPET CAP DETAIL SCALE: 1 1/2" = 1'-0" 20



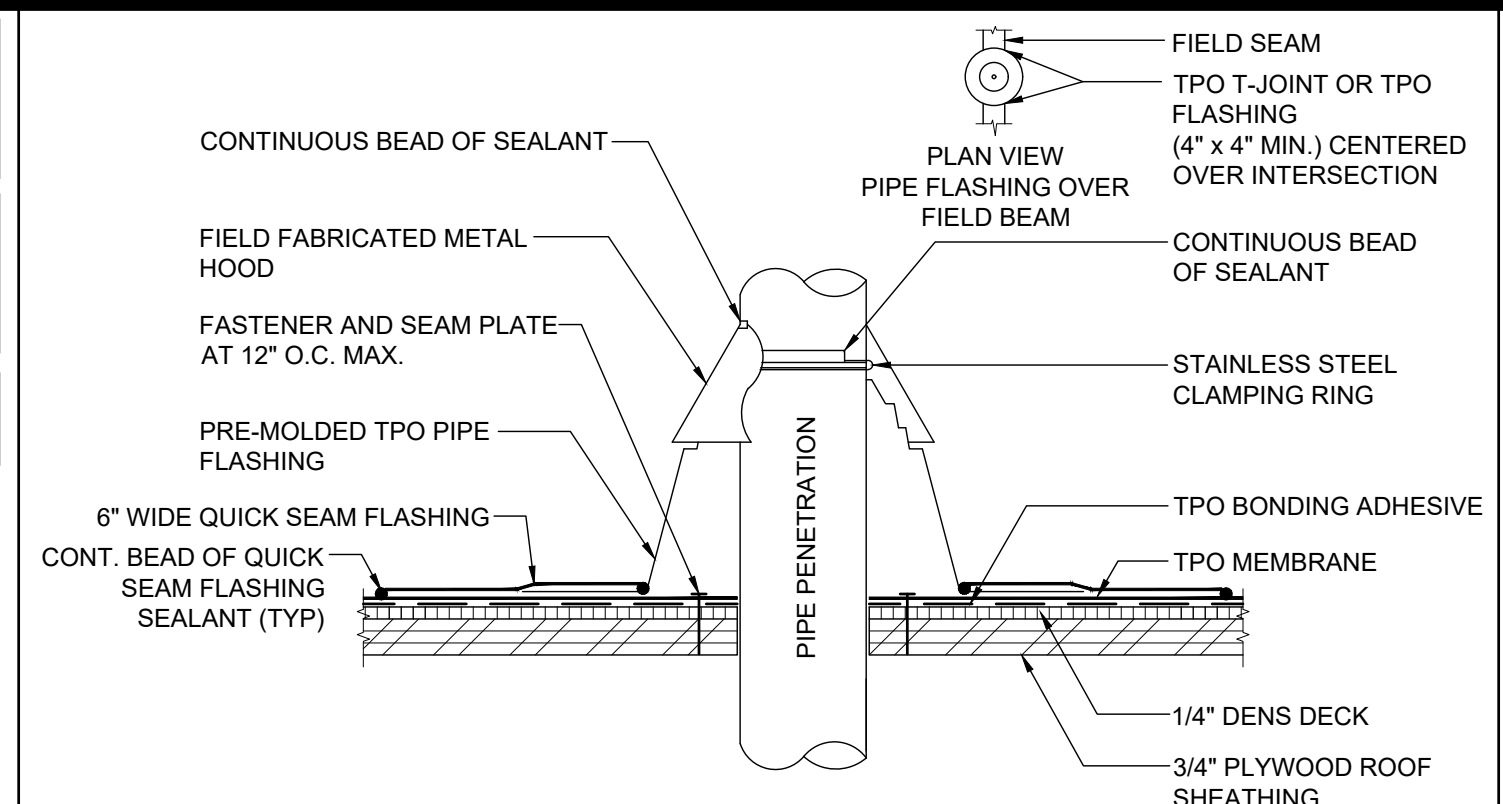
SECTION AT CRICKET SCALE: 1 1/2" = 1'-0" 10



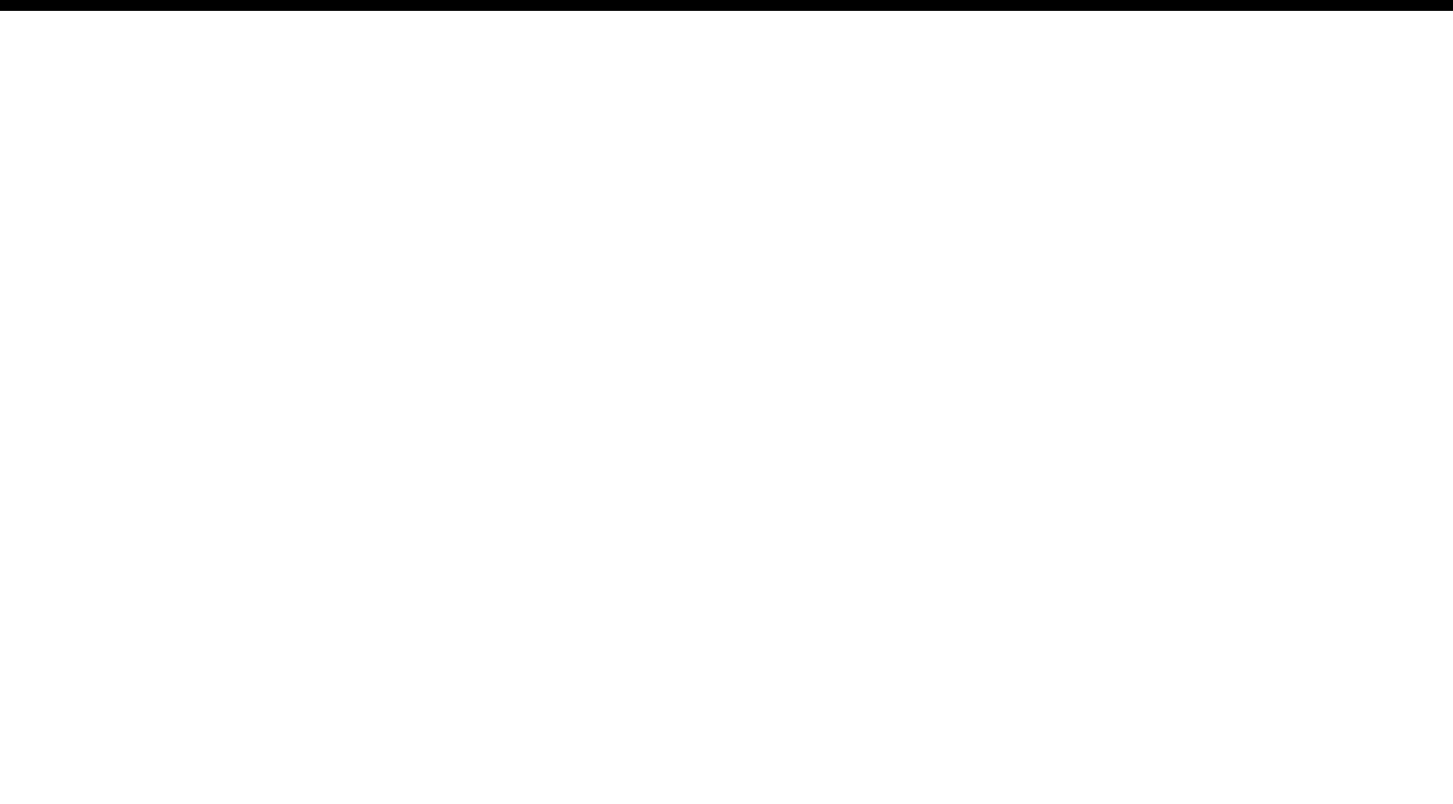
SECTION AT CRICKET SCALE: 1 1/2" = 1'-0" 5



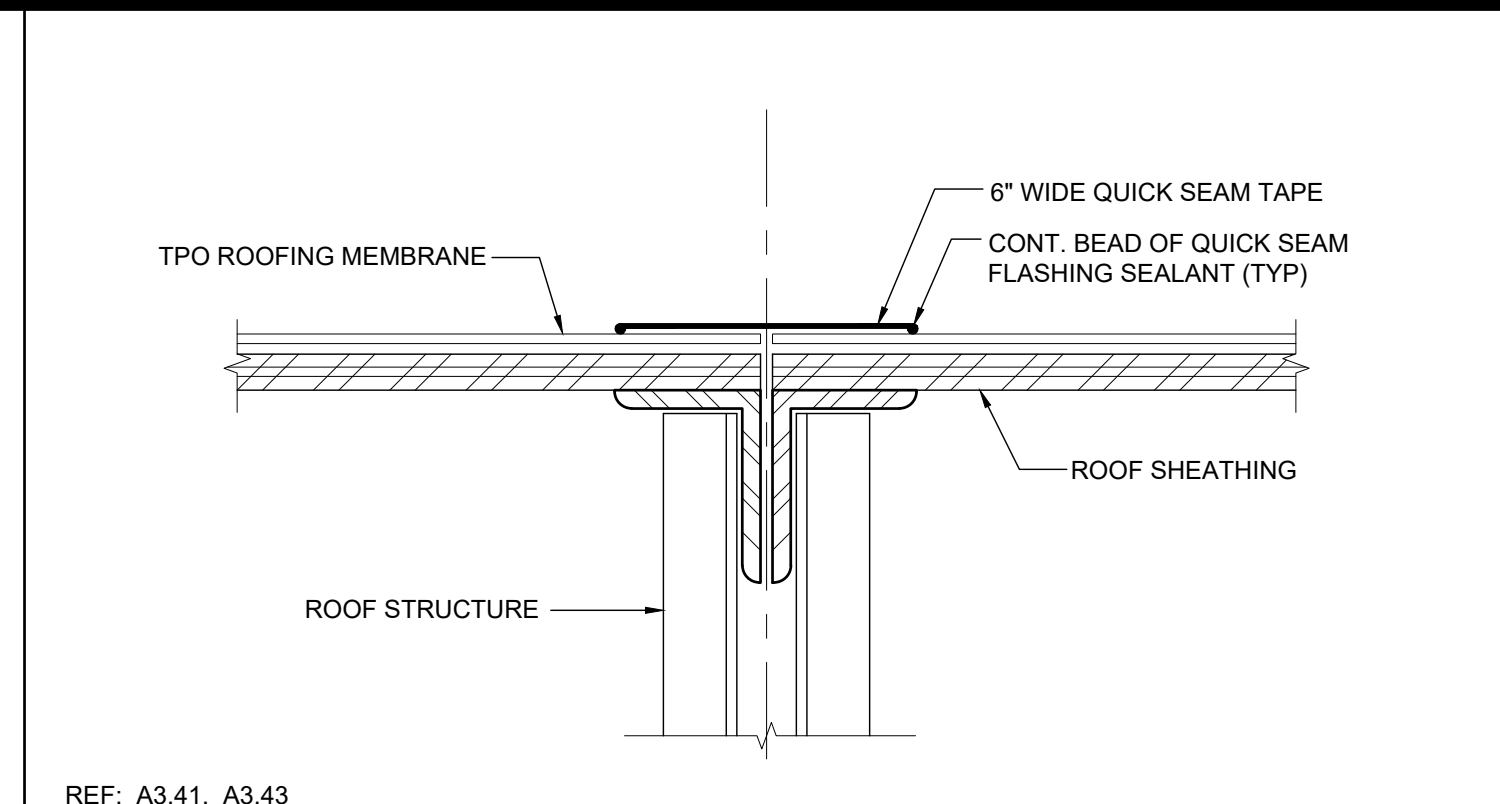
18 FASTENERS PER BOARD
FMRC 1-90 WIND UPLIFT / (18) FASTENERS PER 4' x 8' BOARD



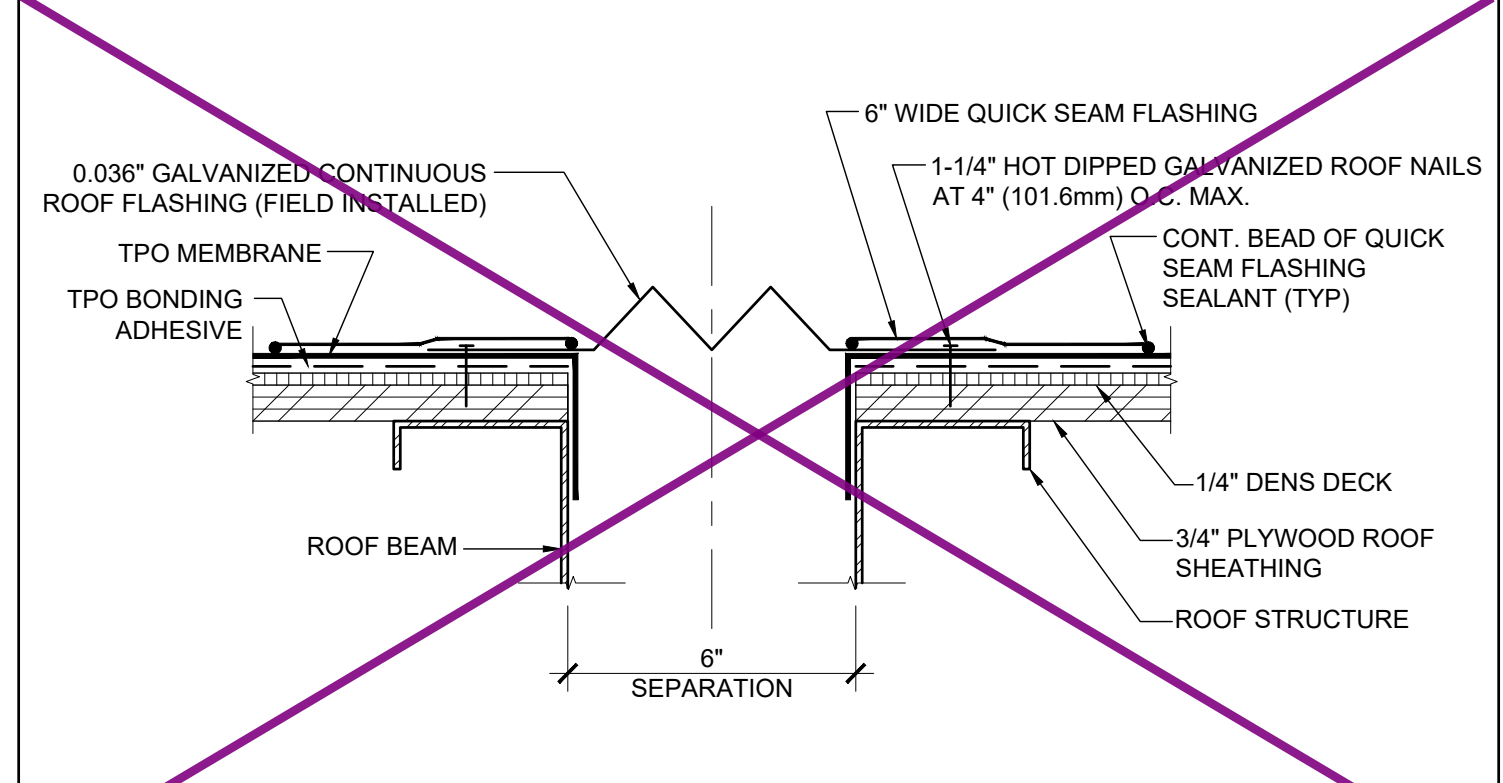
16 DETAIL AT PIPE FLASHING SCALE: 3"=1'-0" 11



NOT USED 6



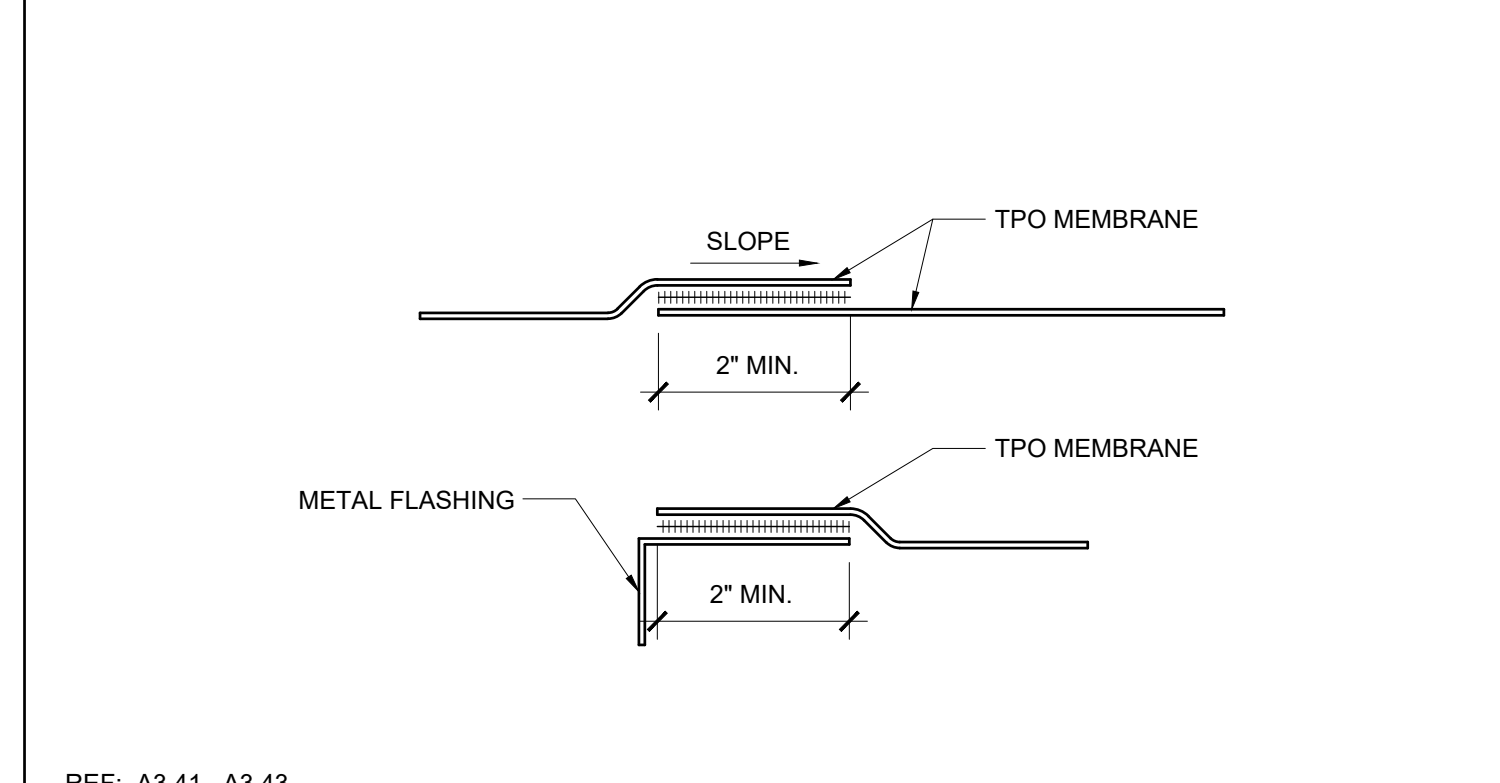
TPO ROOF AT MODLINE SCALE: 3"=1'-0" 1



17 SEPARATION AT ROOF SCALE: 3"=1'-0" 12



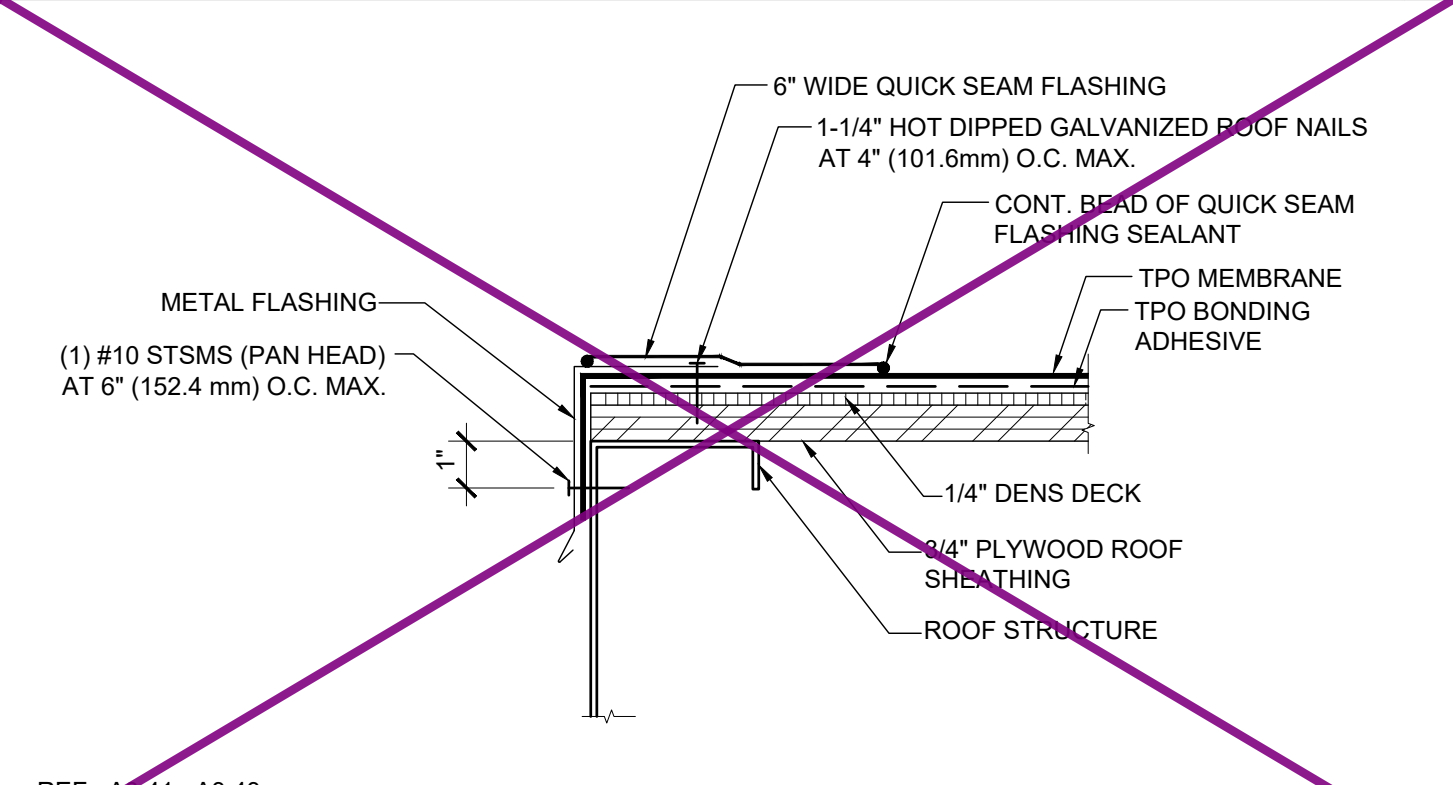
NOT USED 7



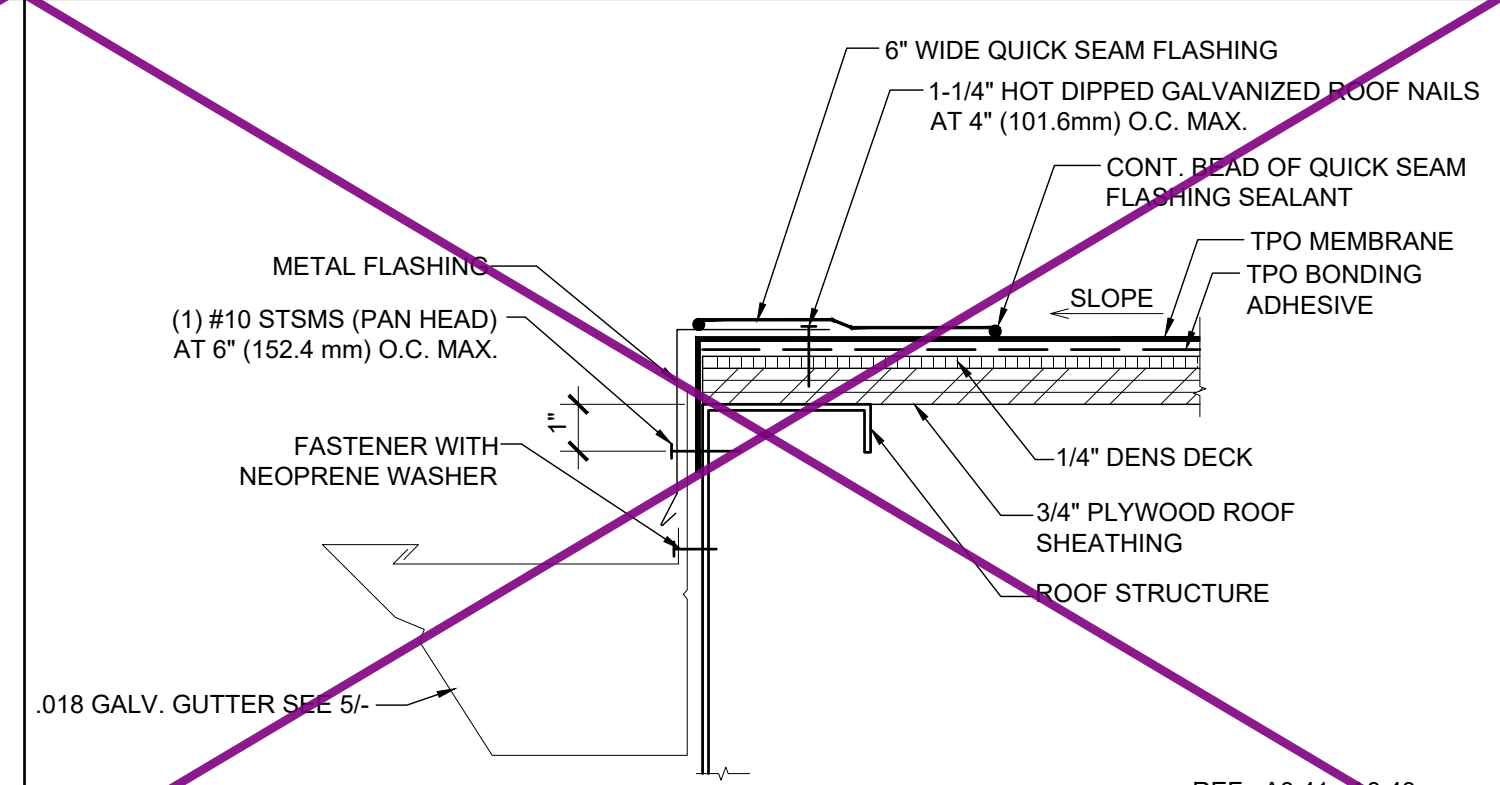
TPO LAP SPLICE SCALE: 6"=1'-0" 2



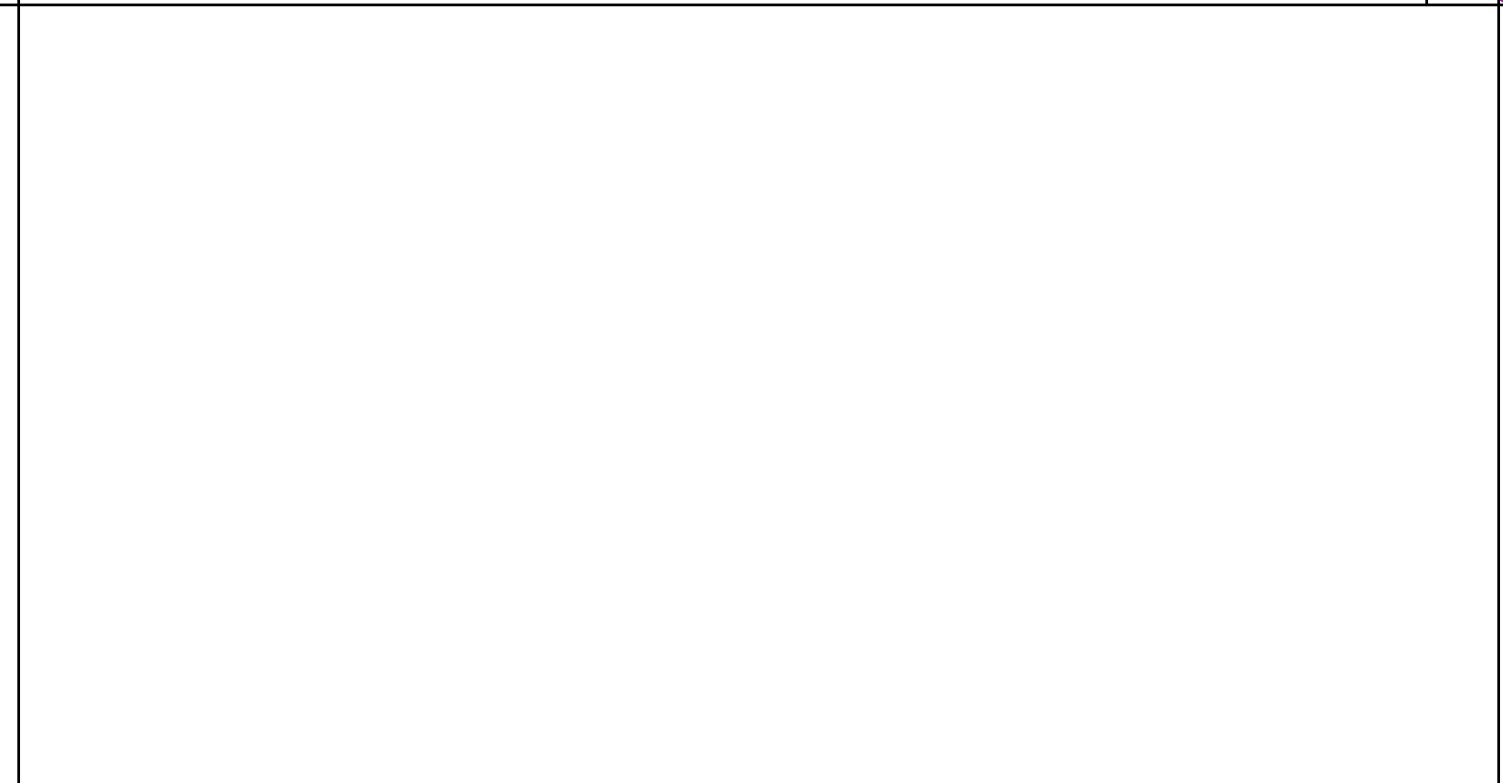
NOT USED 13



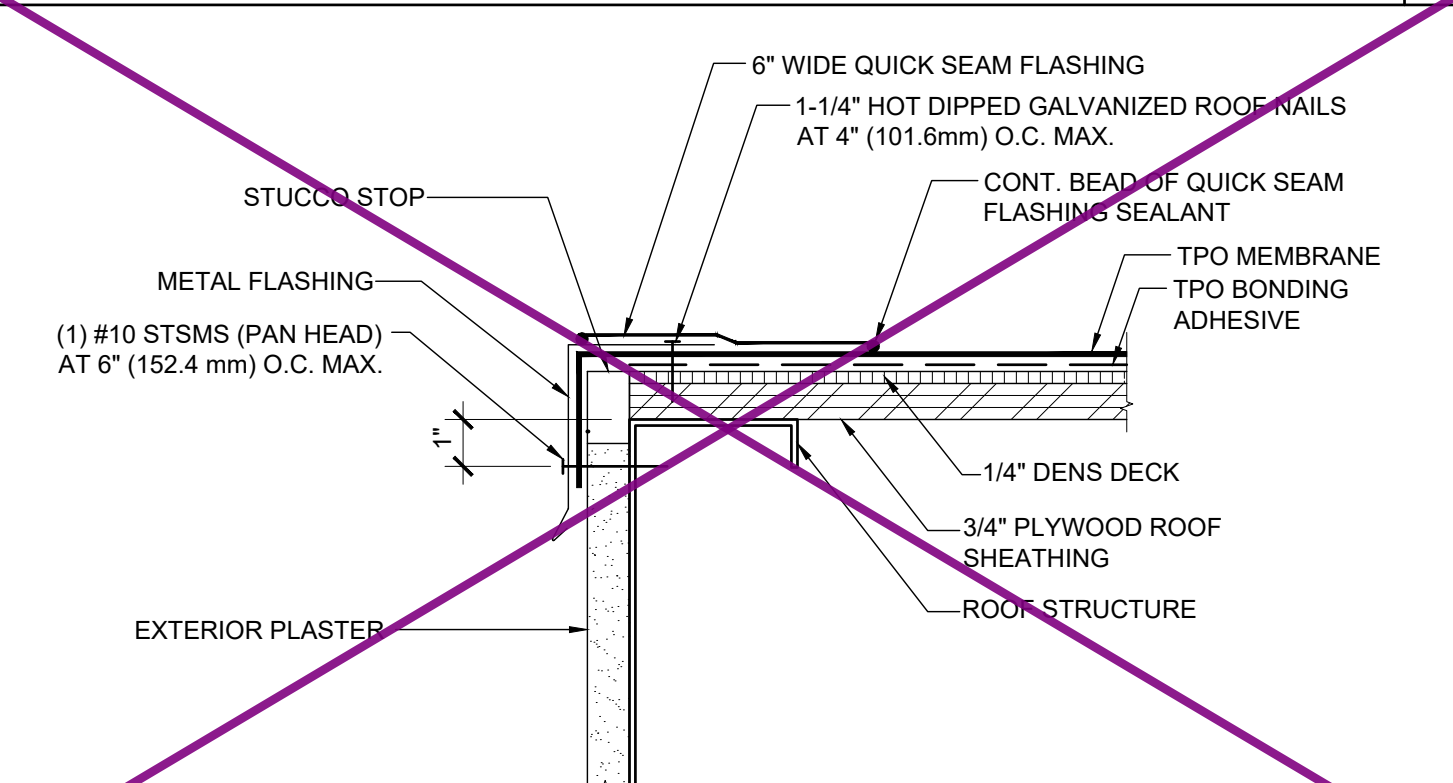
ROOF AT LOW END SCALE: 3"=1'-0" 8



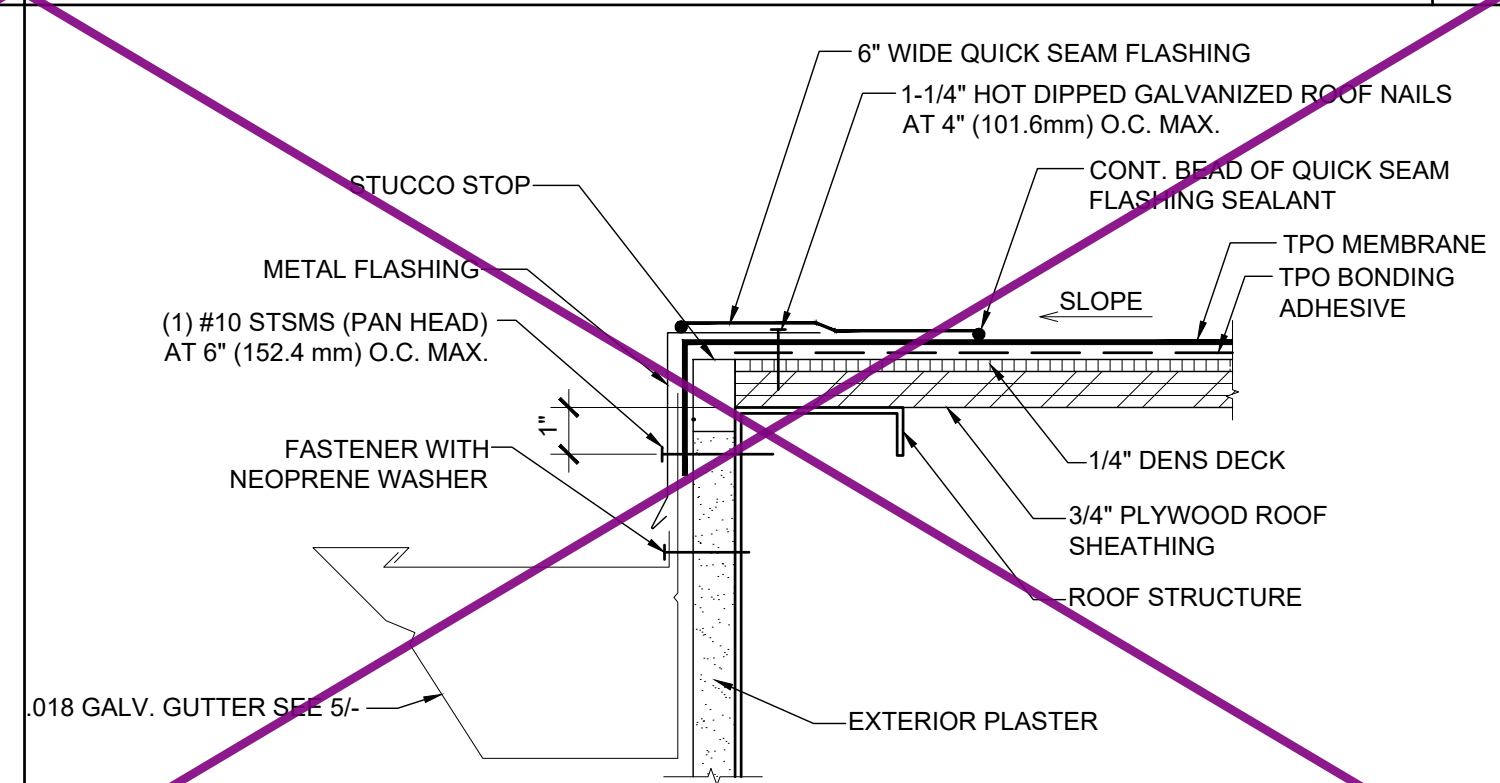
ROOF AT LOW END SCALE: 3"=1'-0" 9



ROOF AT SIDEWALL SCALE: 3"=1'-0" 14



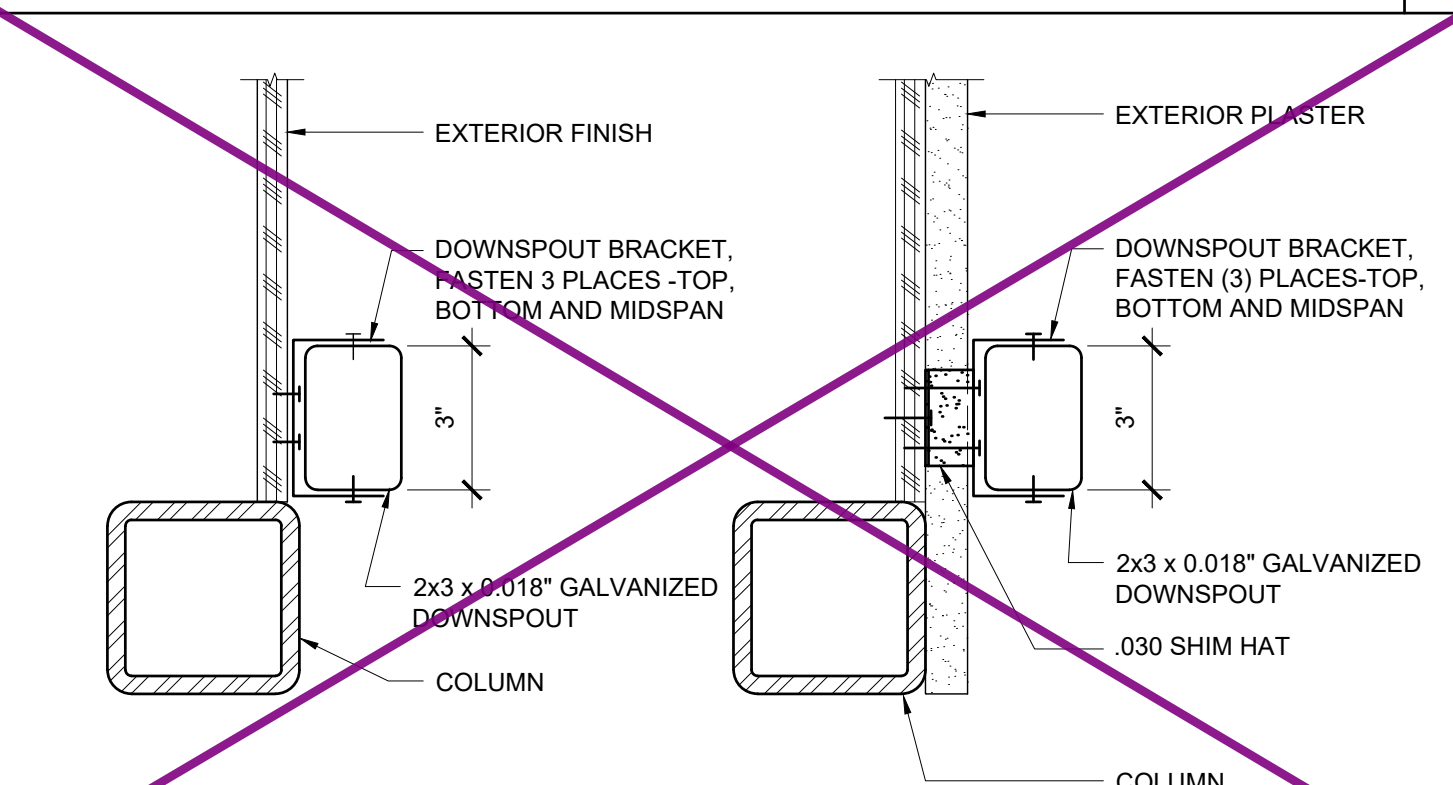
ROOF AT LOW END SCALE: 3"=1'-0" 10



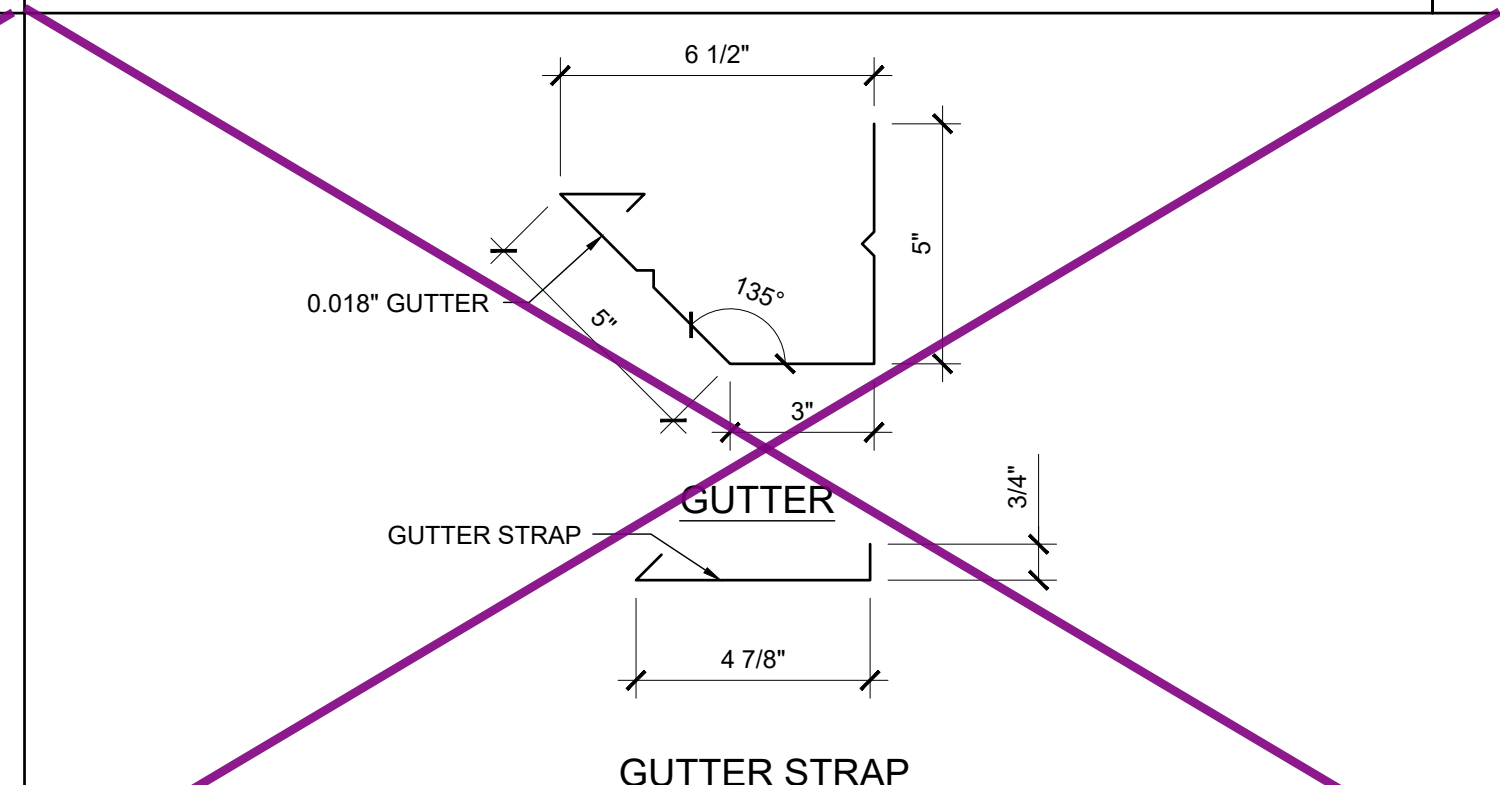
ROOF AT LOW END SCALE: 3"=1'-0" 4



DOWNSPOUT ATTACHMENT SCALE: 3"=1'-0" 15



0.018" GUTTER AND GUTTER STRAP SCALE: 3"=1'-0" 10



0.018" GUTTER AND GUTTER STRAP SCALE: 3"=1'-0" 5

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IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**ROOFING DTALS
TPO ROOF**

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04 - 116719 INCR: 0
AC_RM_FLS_DS_SSR_KER
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REVISIONS

1	ADDED T.P.O. FASTENING LAYOUT 12/12/12
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SILVER CREEK INDUSTRIES
24' x 60' PC

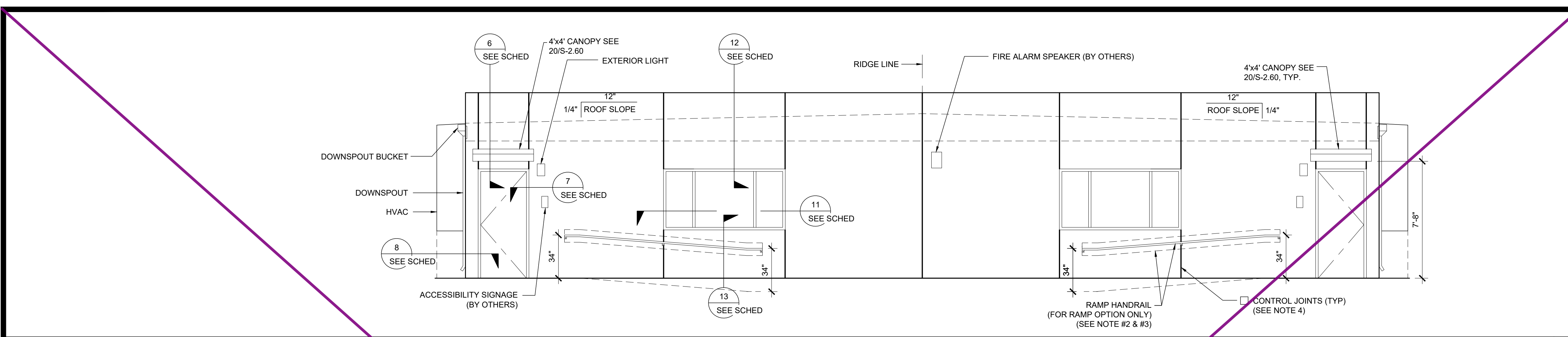
PROJECT NO.:

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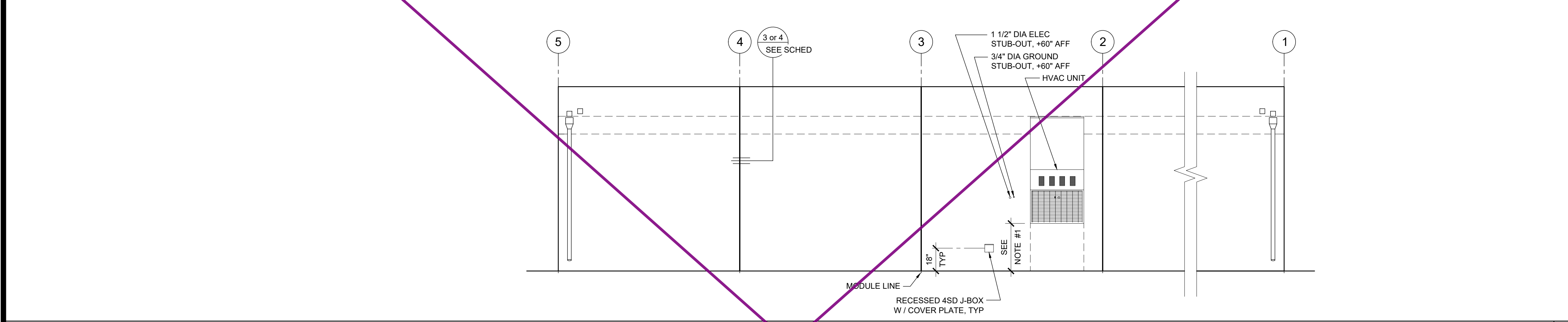
SCALE: AS NOTED

DATE: 8-10-18

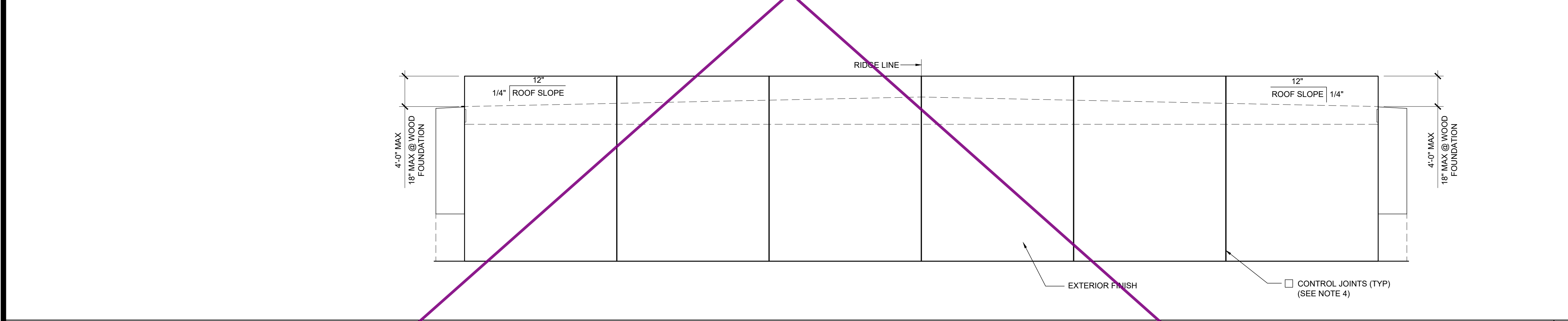
P.C. SHEET NUMBER
A-3.90



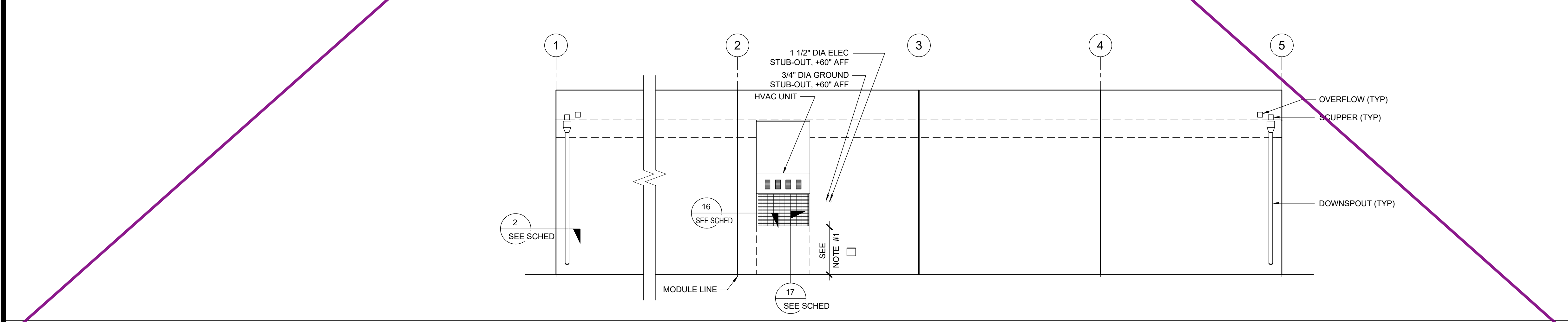
EXTERIOR ELEVATIONS - FRONT SCALE: 1/4" = 1'-0" 1



EXTERIOR ELEVATIONS - LEFT SCALE: 1/4" = 1'-0" 2



EXTERIOR ELEVATIONS - REAR SCALE: 1/4" = 1'-0" 3



EXTERIOR ELEVATIONS - RIGHT SCALE: 1/4" = 1'-0" 4

NOTES (EXTERIOR ELEVATION)

- PROVIDE PROTECTION RAIL AROUND HVAC UNIT(S) IF LOCATED IN A PEDESTRIAN WAY IF THE HEIGHT FROM GRADE TO BOTTOM OF UNIT EXCEEDS 27" (NIC). REFERENCE TO DET. # 2/A5.81 FOR WOOD STUDS, # 17/A5.81 FOR STEEL STUDS
- RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
- WALL BEYOND HANDRAIL SHALL NOT HAVE ANY SHARP OR ABRASIVE SURFACE ADJACENT TO HANDRAILS. (GRIND SMOOTH ALL METAL RAILING CONNECTIONS - SMOOTH SURFACE TO EXTEND 18" ABOVE HANDRAIL)
- FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODULE LINE ON END WALLS, 10'-0" OC AT SIDE WALLS, AND / OR ABOVE AND BELOW OPENINGS. WHERE FIRE RATED WALLS ARE REQUIRED, MATERIALS AND METHODS OF CONSTRUCTION USED TO PROTECT JOINTS WILL COMPLY WITH CBC SECTION 703.2 AND 705.
- EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2016 CBC
- PROVIDE AN OFFSET RAMP (PER SHEET R-1.02) WHEN A RAMP IS REQUIRED ADJACENT TO A STUCCO WALL

DETAIL SCHEDULE

FINISH:	SHEET #:
<input type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input checked="" type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FIRE PROTECTION:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

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IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG

SHEET TITLE:
EXTERIOR ELEVATION
36' TO 72' X 60'
PARAPET

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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO. _____
DRAWN BY: _____
SCALE: AS NOTED
DATE: 8-10-18

P.C. SHEET NUMBER
A-4.23

REFER TO "N" SHEETS FOR PROJECT SPECIFIC

DETAIL SCHEDULE	
FINISH:	SHEET #:
<input type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input checked="" type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61
FIRE RATED DETAIL SCHEDULE	
FINISH:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63
FLOOR OPTION	
<input type="checkbox"/> WOOD FLOOR	
<input checked="" type="checkbox"/> CONCRETE FLOOR	

NOTES

MOISTURE PROTECTION AND CAULKING:
 GENERAL: FURNISH AND INSTALL ALL CAULKING AS REQUIRED TO PROVIDE A WEATHERTIGHT BUILDING.
 MATERIALS: SEALANT SHALL BE AN ACRYLIC LATEX OR SILICONE CAULKING.
 APPLICATIONS: AT JOINTS WHERE SHOWN, APPLY SEALANT AS FOLLOWS - JOINTS SHALL BE CLEAN, DRY, AND FREE FROM DUST, WAX, AND FOREIGN MATERIALS. SEALANT SHALL BE APPLIED WITH A GUN IN A STRICT COMPLIANCE WITH MANUFACTURER'S DIRECTIONS. COMPLETELY FILL THE JOINT AND FIRMLY TOOL AGAINST THE BACKING, MAKING A SMOOTH CONVEX BEAD. COLOR: COLOR OF MATERIAL SHALL MATCH THAT OF ADJACENT FINISHED SURFACES.

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SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE**
 (1) 72'x60' TESTING & OFFICE BLDG

SHEET TITLE:

**CROSS SECTION
 DUAL SLOPE
 0.018" OR BUILT UP ROOF DECK
 OR PARAPET**

ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

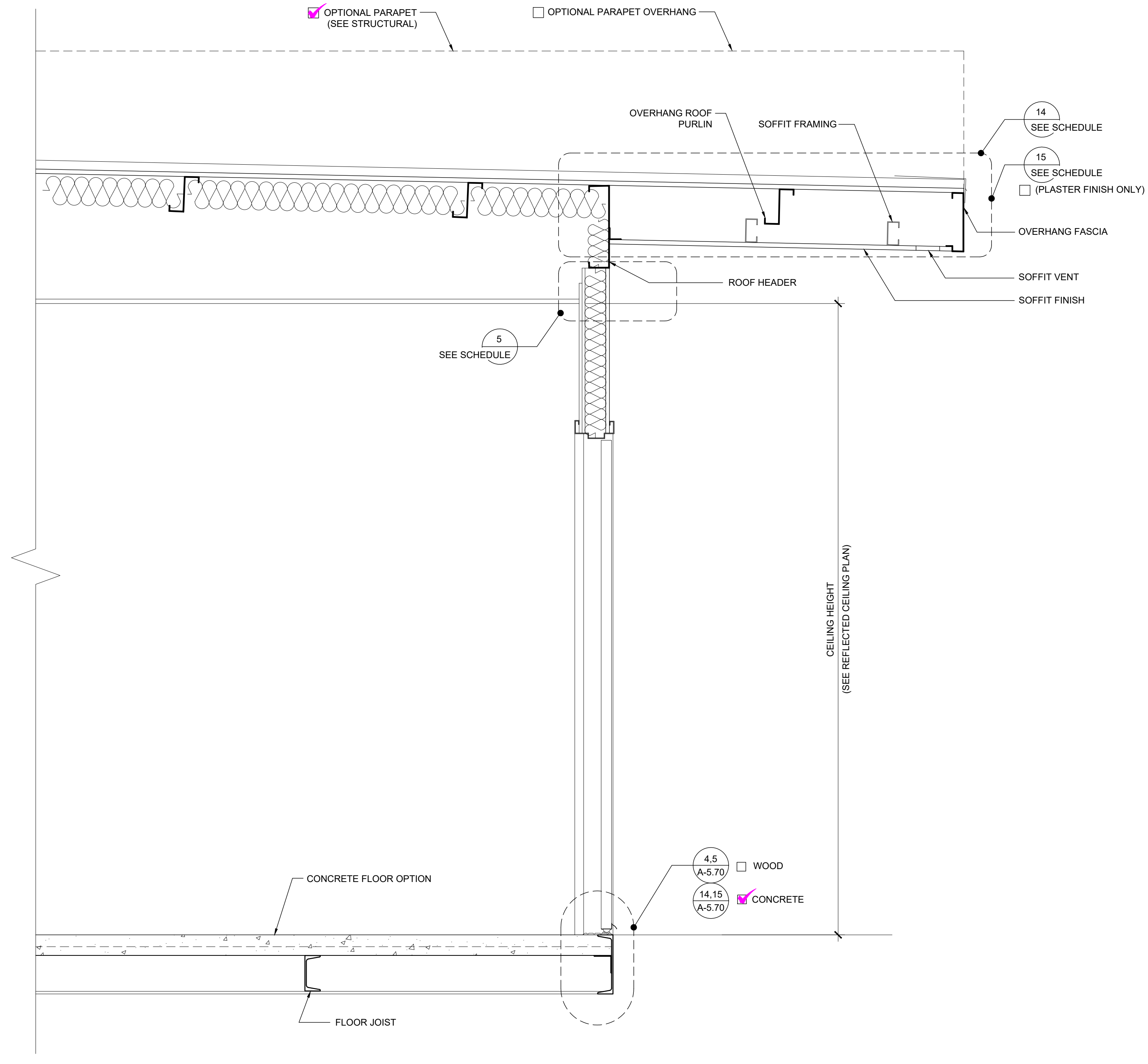
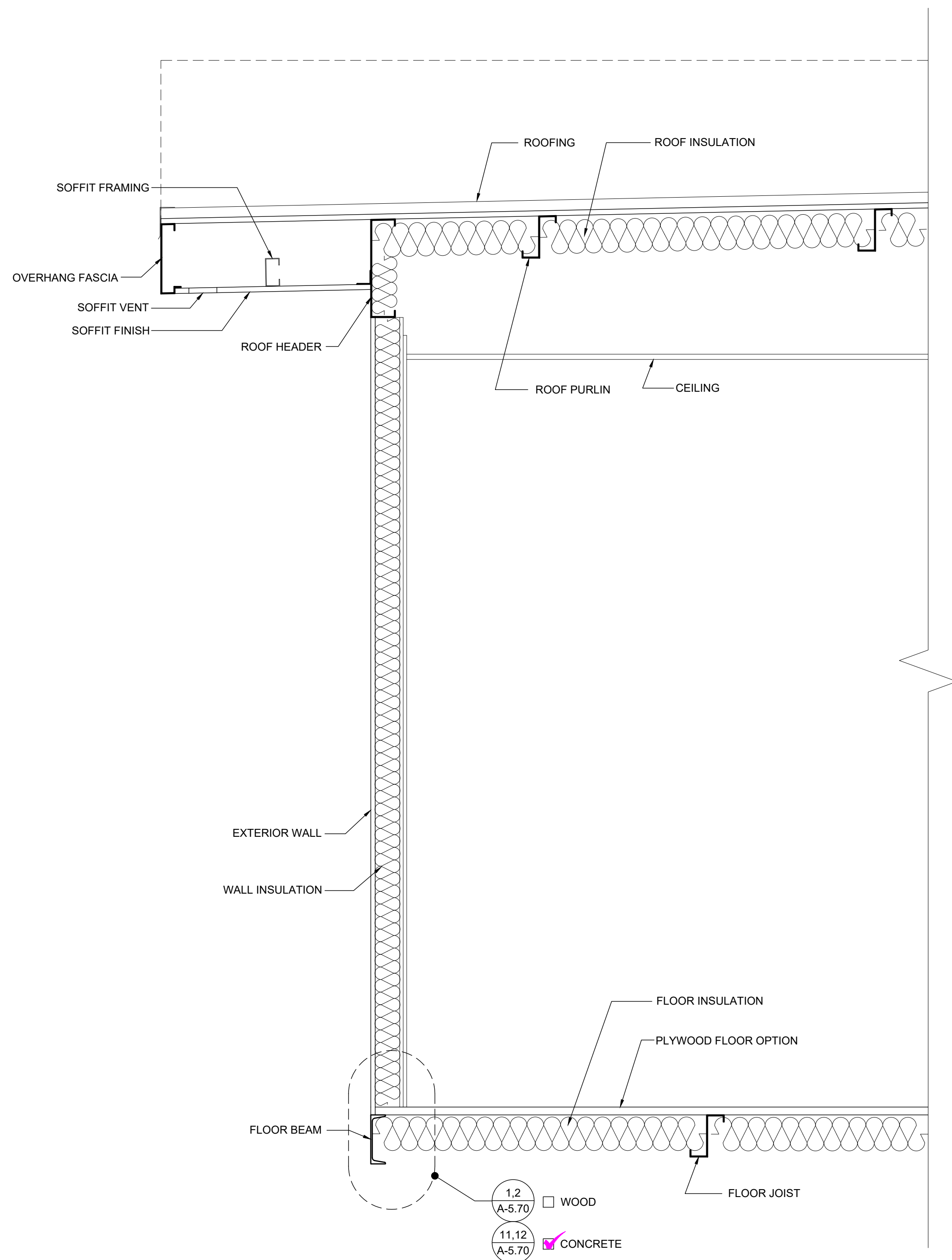
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 04-119394 INC:
 REVIEWED FOR
 SS FLS ACS
 DATE: 12/17/2020

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116719 INCR: 0
 AC_RM_FLS_DS_SSR_KER
 DATE: 10/05/2018

REVISIONS

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DETAIL SCHEDULE

FINISH:	SHEET #:
<input type="checkbox"/> SIDING OVER WOOD STUDS	A-5.50
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.51
<input type="checkbox"/> SIDING OVER STEEL STUDS	A-5.60
<input checked="" type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.61

FIRE RATED DETAIL SCHEDULE

FINISH:	SHEET #:
<input type="checkbox"/> 1 HOUR - SIDING OVER WOOD STUDS	A-5.52
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH WOOD STUDS	A-5.53
<input type="checkbox"/> 1 HOUR - SIDING OVER STEEL STUDS	A-5.62
<input type="checkbox"/> 1 HOUR - PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.63

FLOOR OPTION

<input type="checkbox"/> WOOD FLOOR
<input checked="" type="checkbox"/> CONCRETE FLOOR

NOTES

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SILVER CREEK
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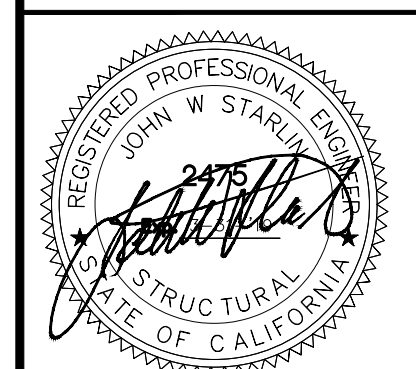
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE**
 (1) 72'x60' TESTING & OFFICE BLDG

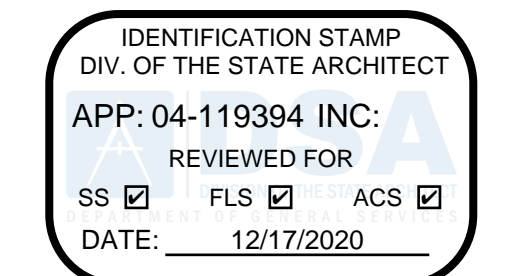
SHEET TITLE:

CROSS SECTION

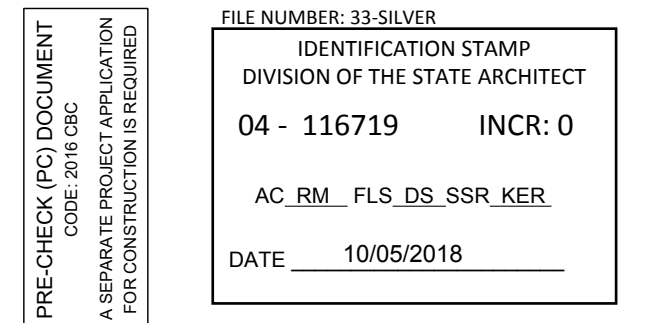


ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

NO.	DESCRIPTION
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SILVER CREEK INDUSTRIES
 24' x 60' PC

PROJECT NO.

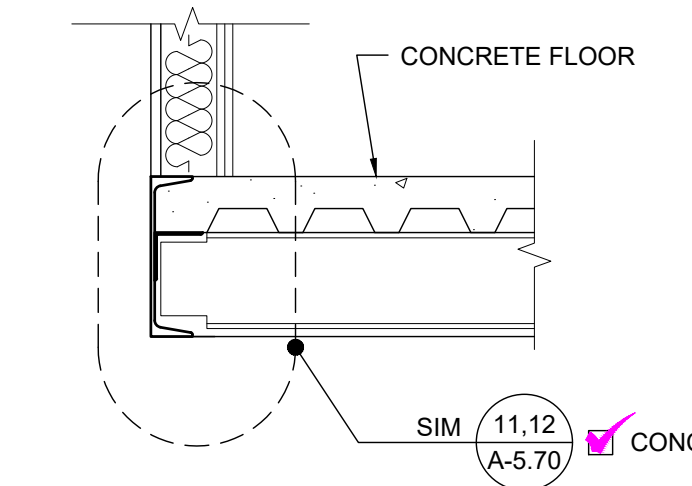
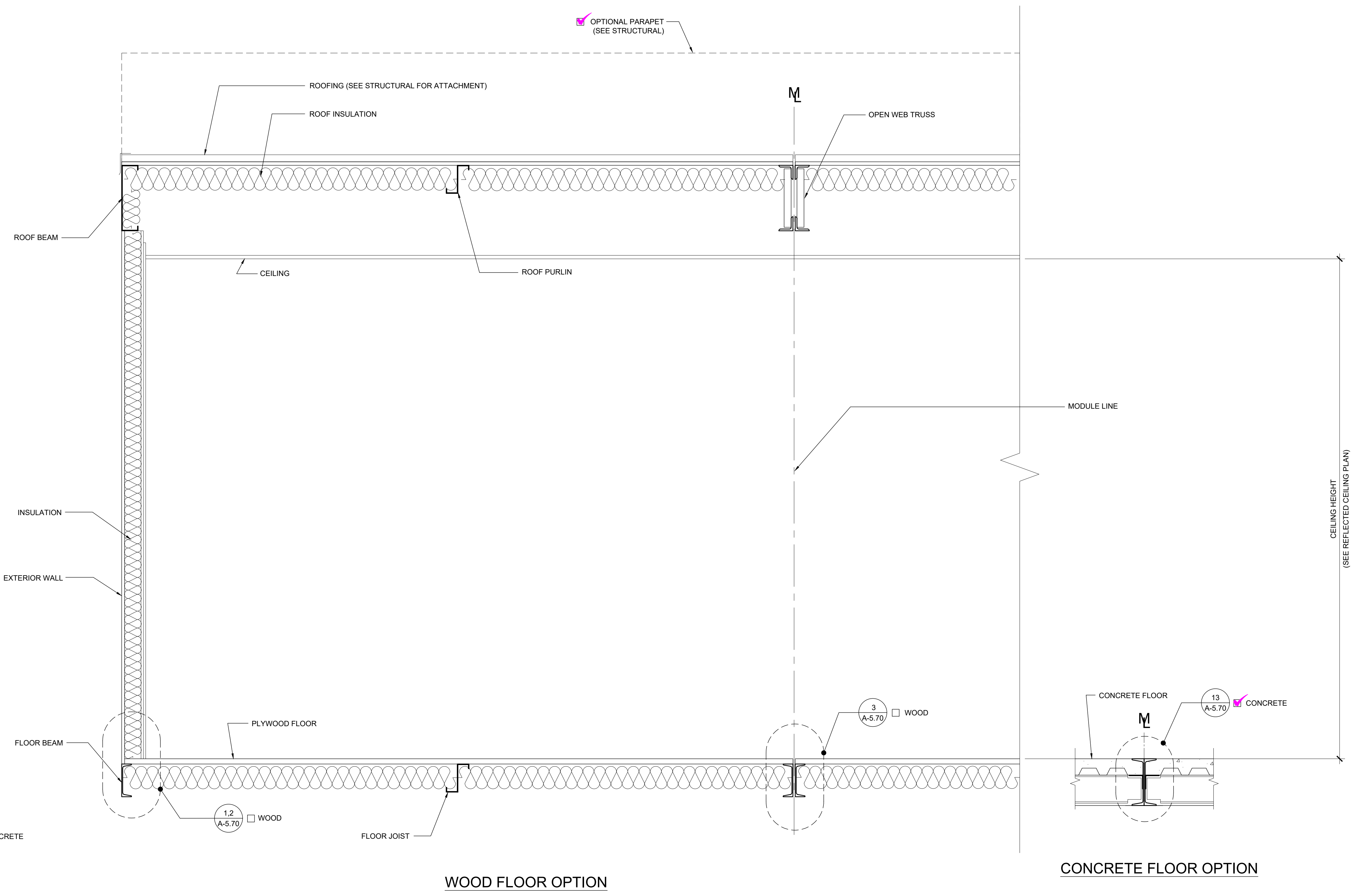
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SCALE: AS NOTED

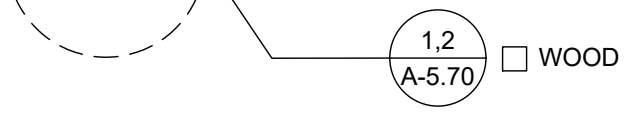
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P.C. SHEET NUMBER

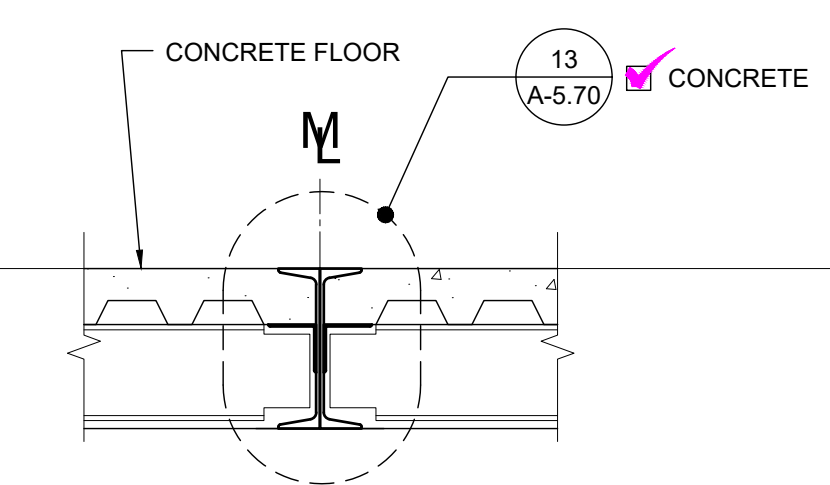
A-5.05



CONCRETE FLOOR OPTION



WOOD FLOOR OPTION



CONCRETE FLOOR OPTION

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Building for the Next Generation
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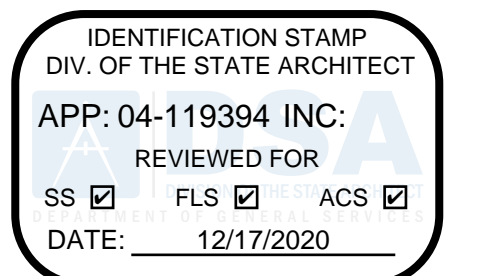
PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
FLOOR**

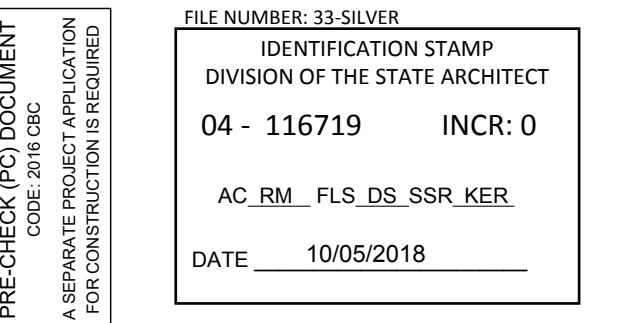


ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL

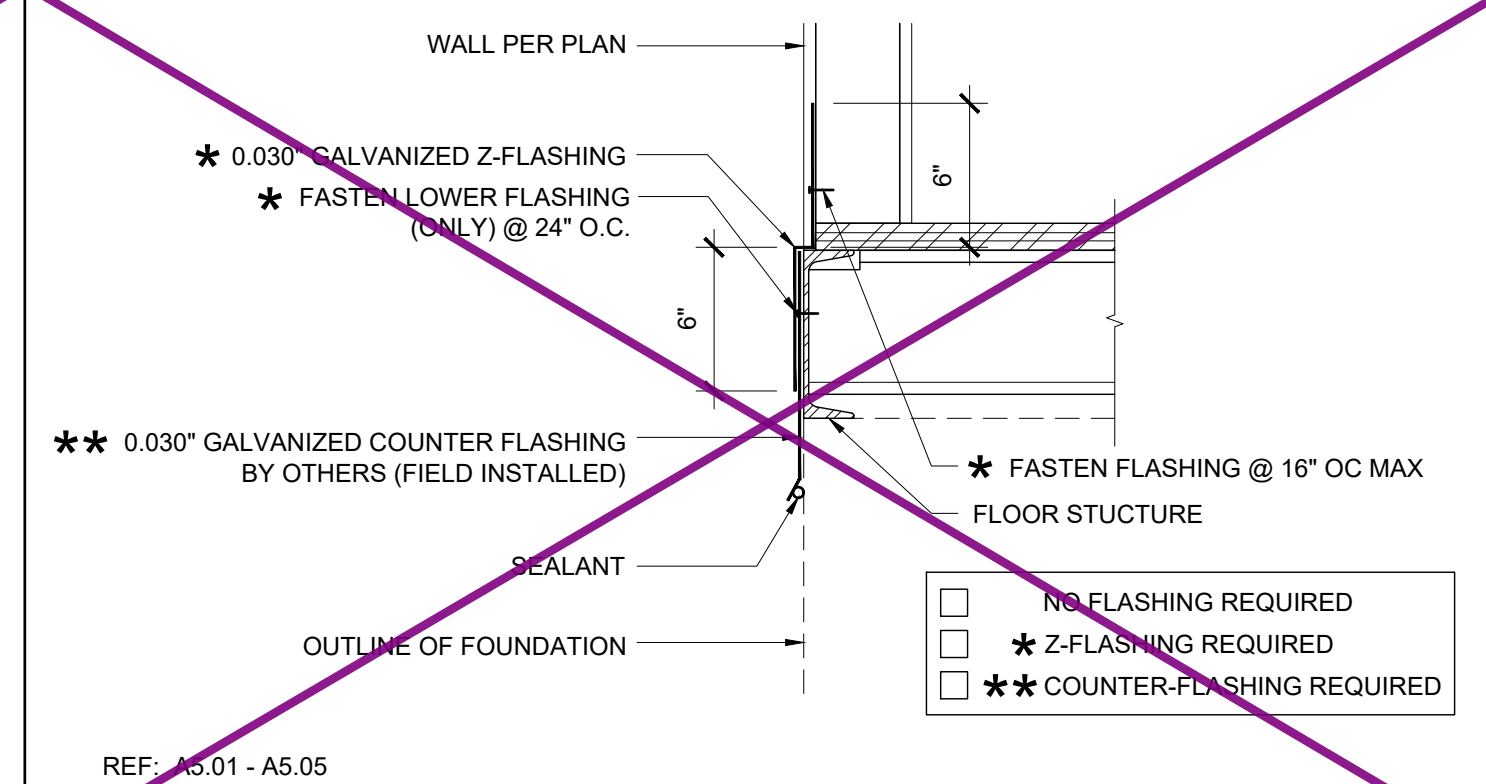


REVISIONS

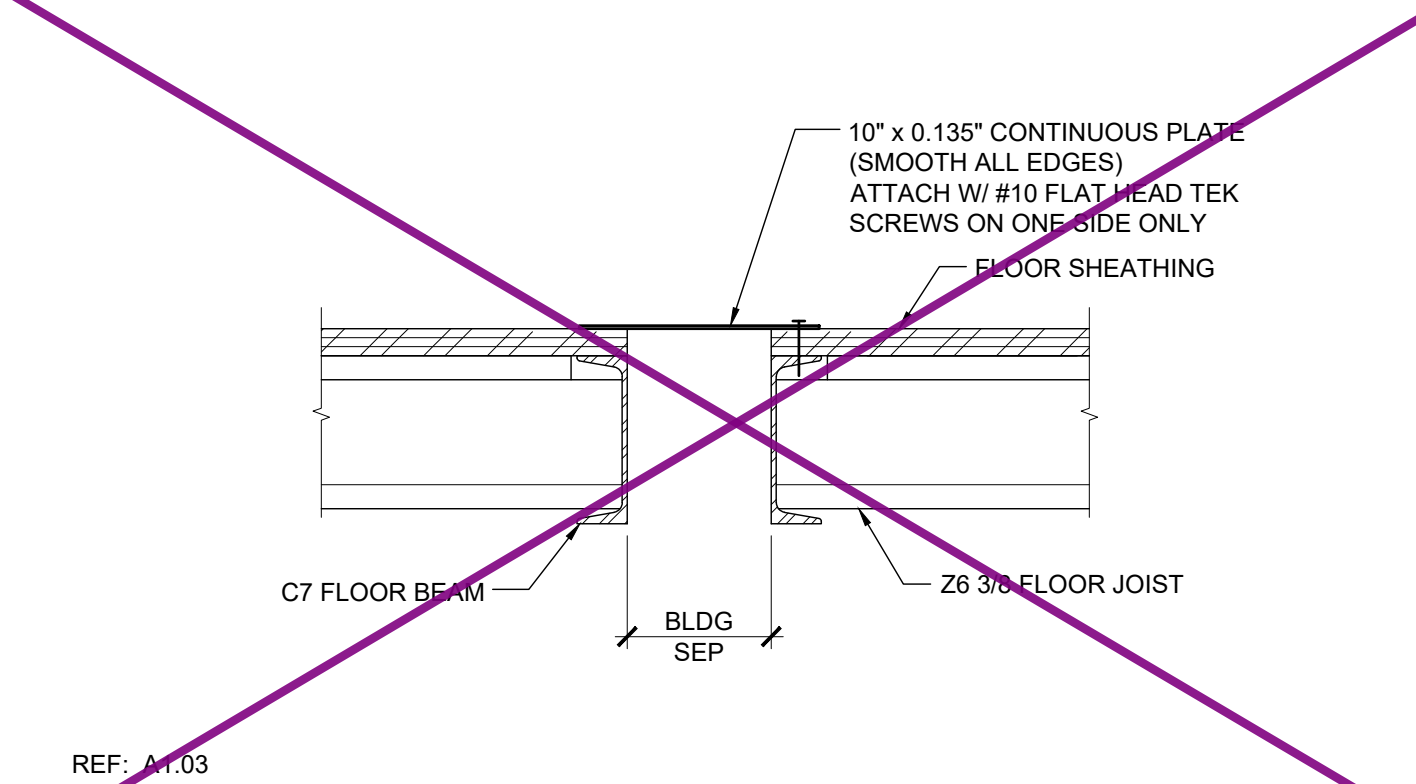
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SILVER CREEK INDUSTRIES
24' x 60' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18
P.C. SHEET NUMBER

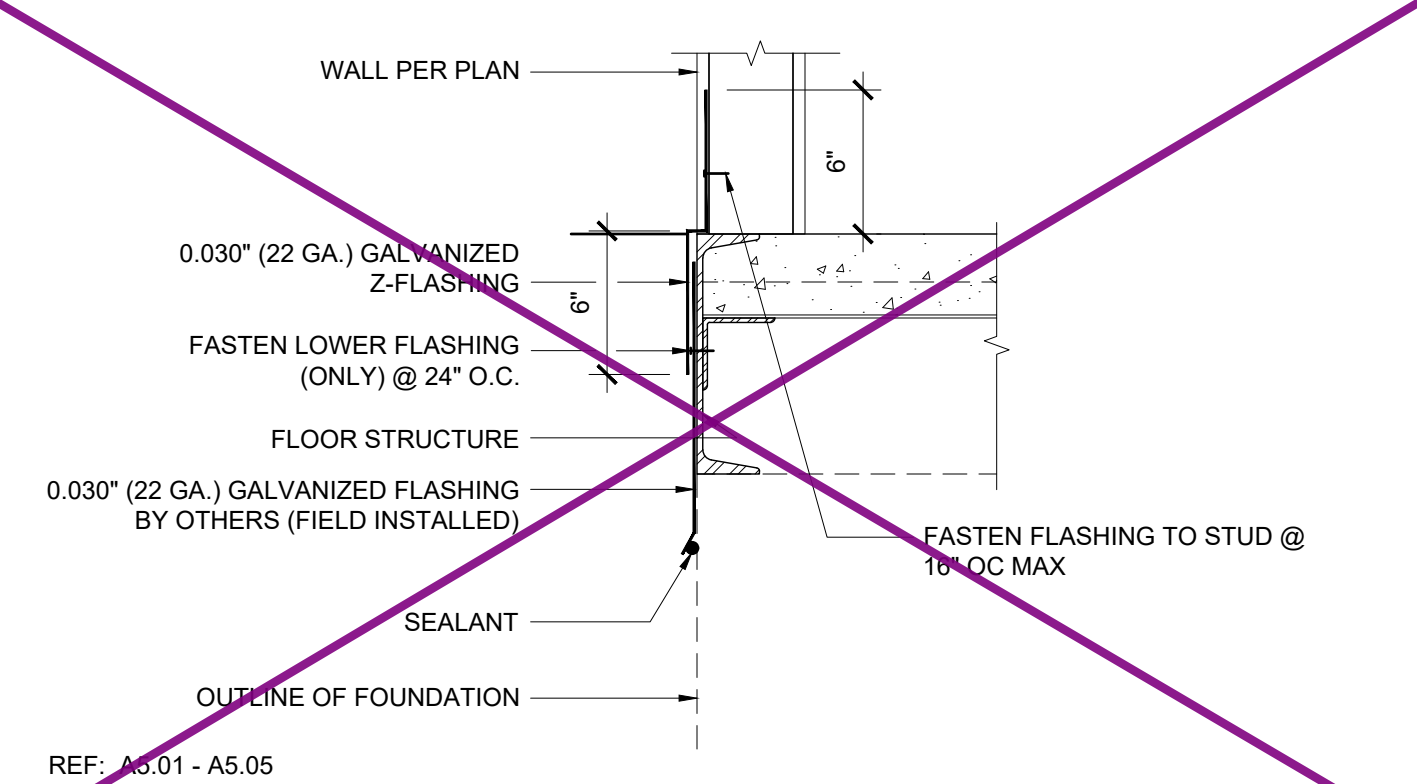
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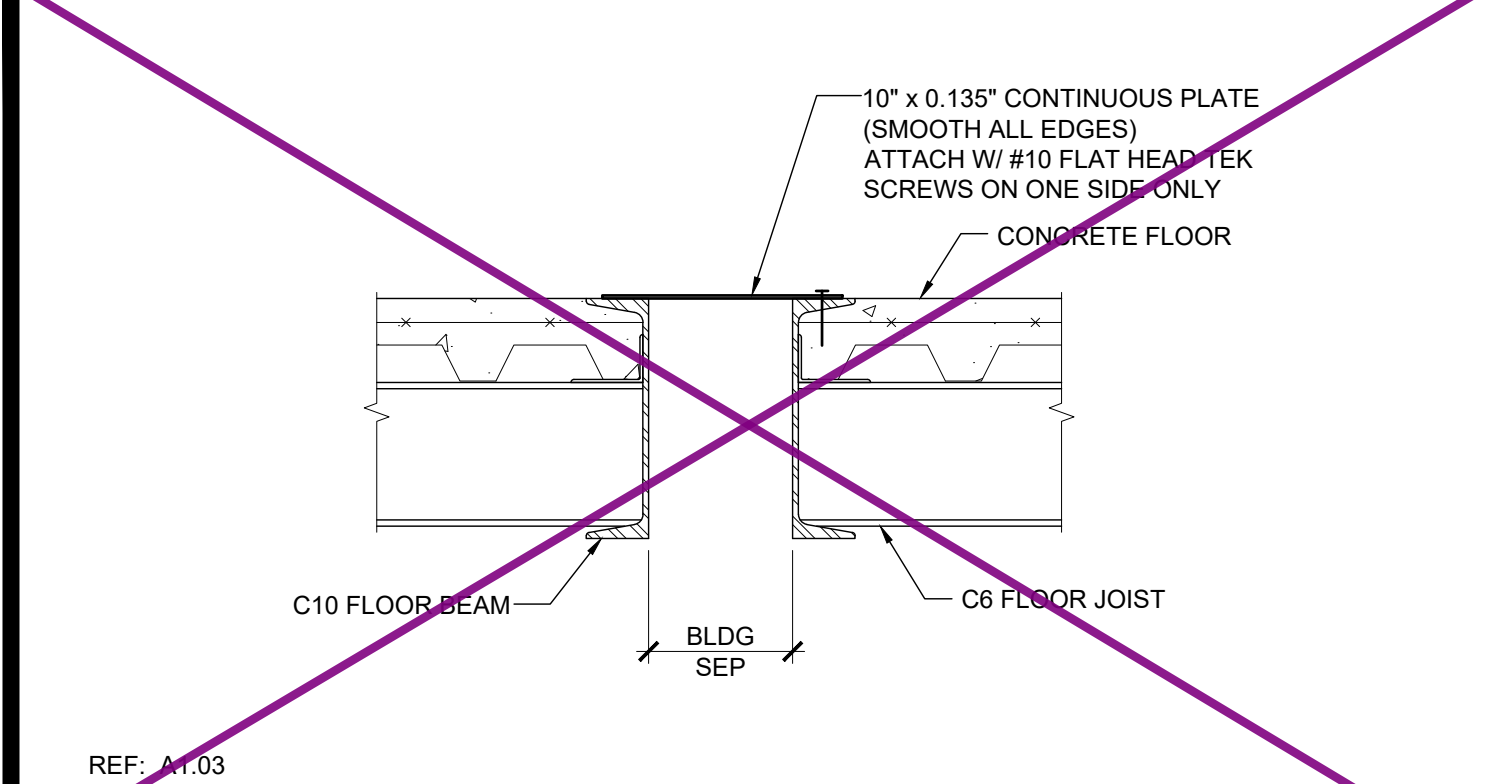
REF: A5.01 - A5.05
SKIRT FLASHING (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 1



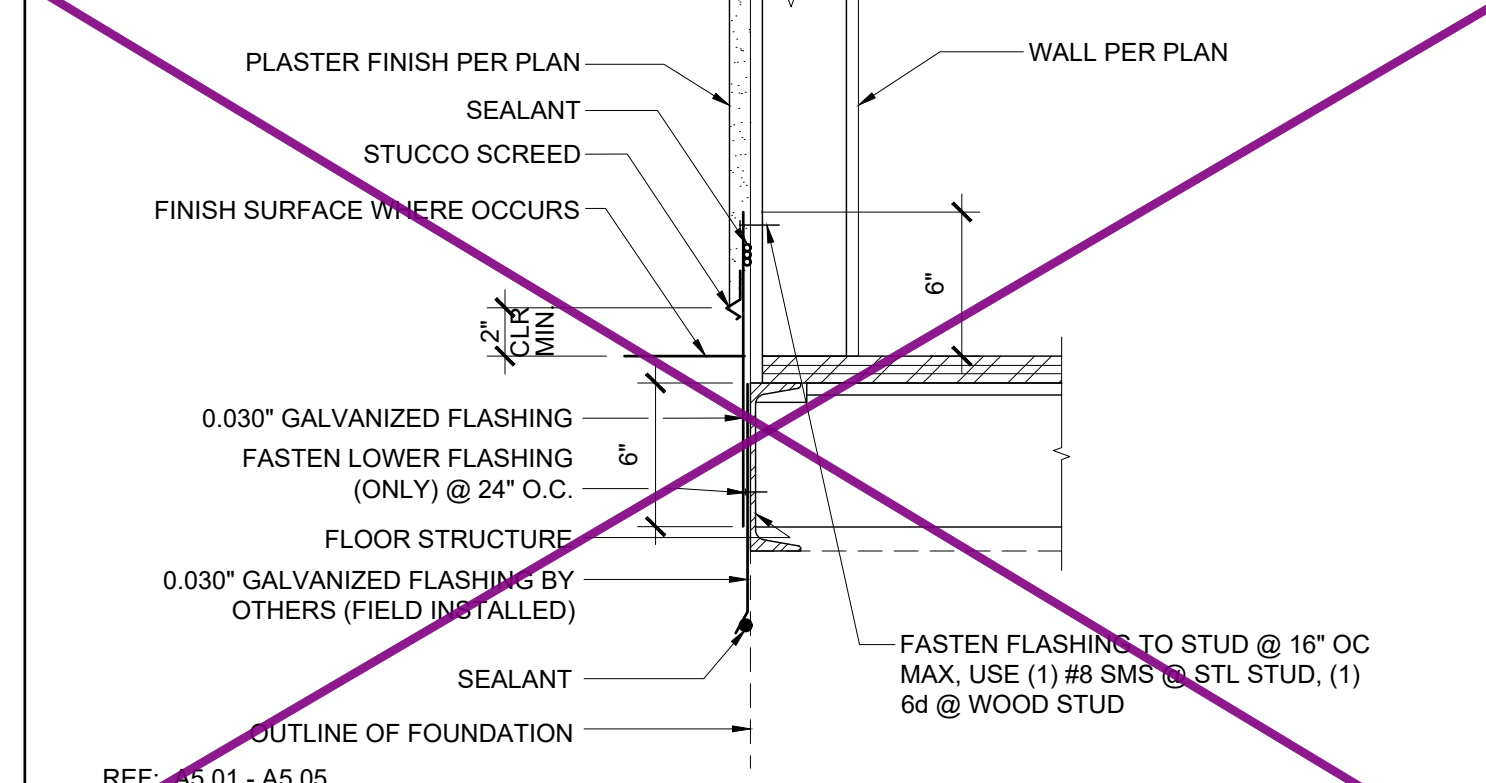
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FLOOR AT SEPARATION (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 6



REF: A5.01 - A5.05
SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 11



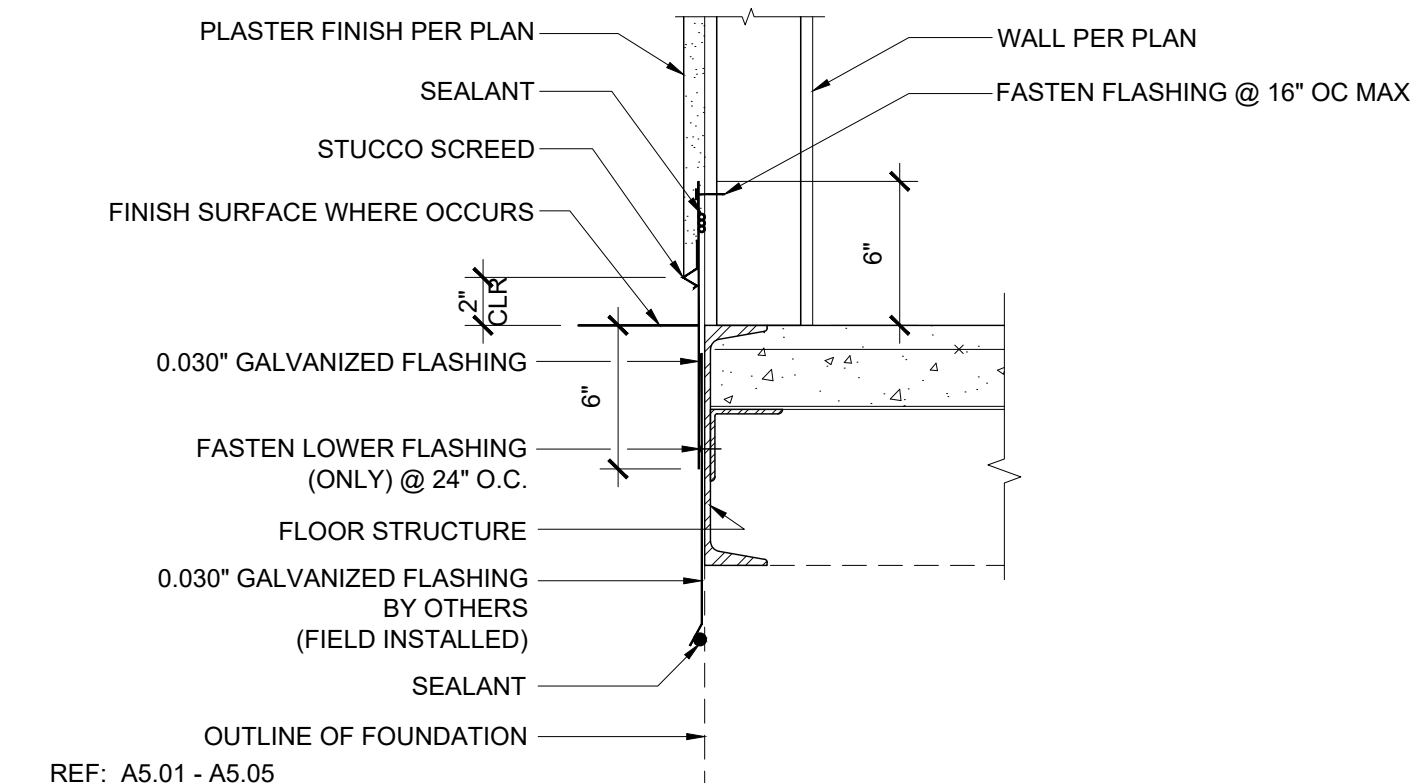
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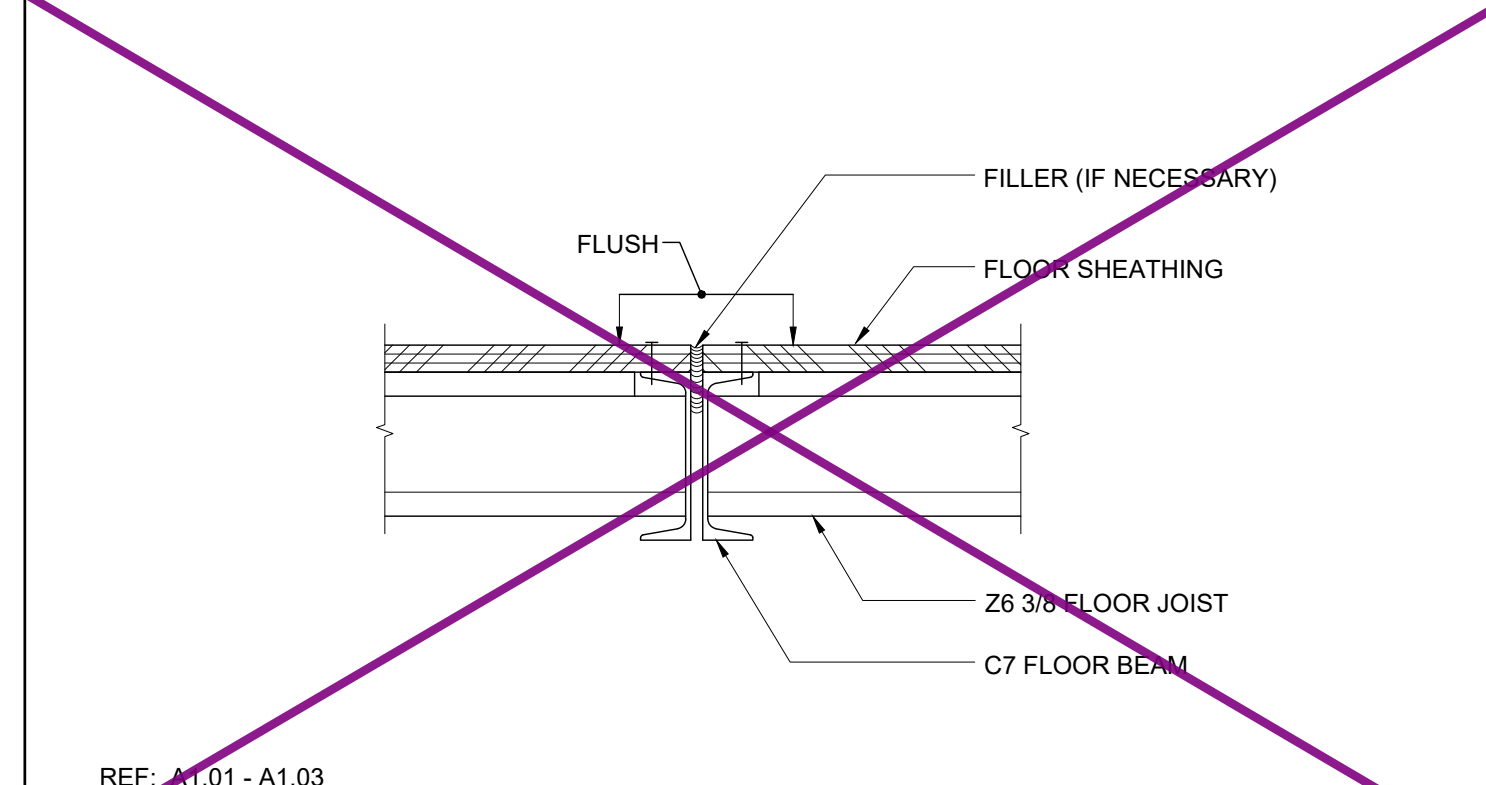
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REF: A5.01 - A5.05
SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 12



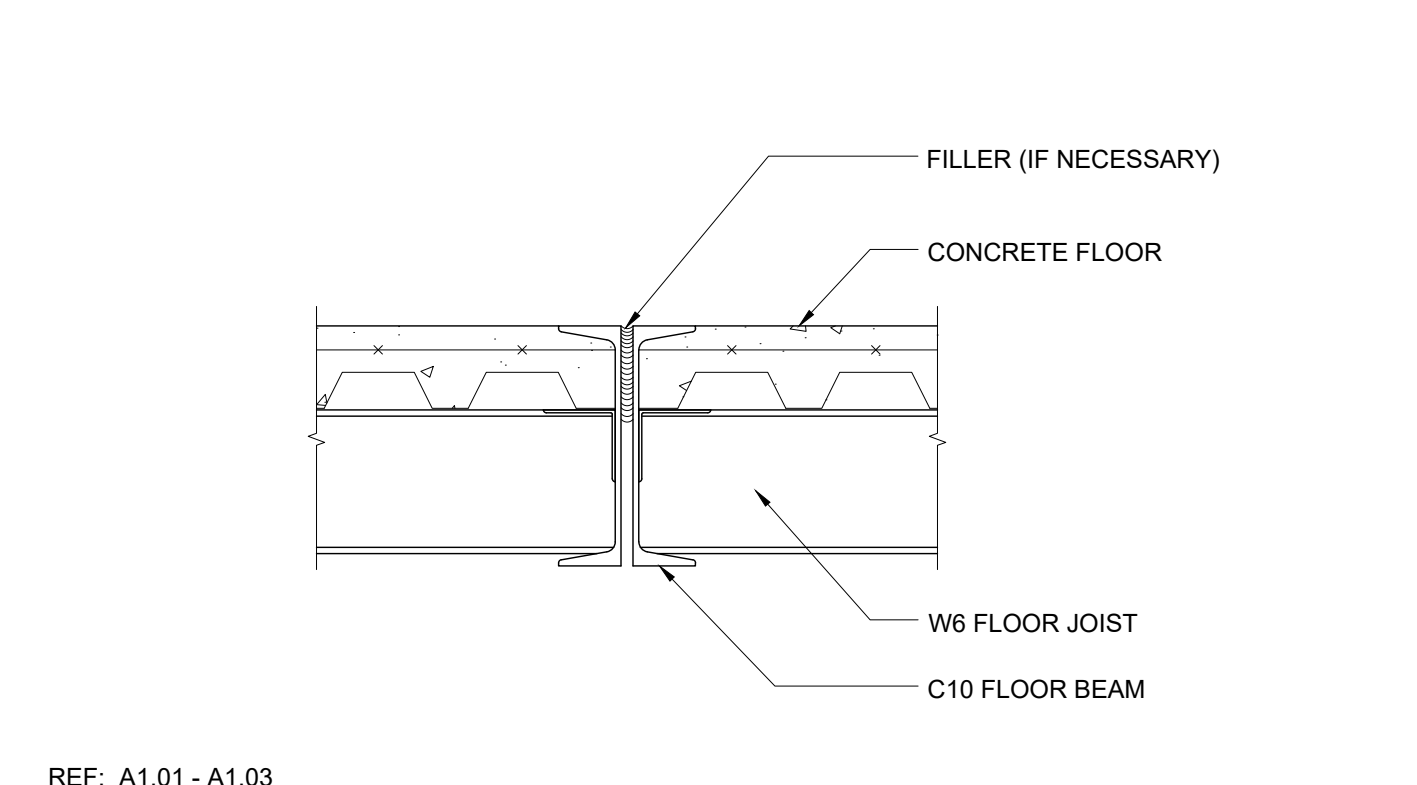
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FLOOR AT SEPARATION (CONCRETE FLR) SCALE: 1 1/2"=1'-0" 16



REF: A5.01 - A5.04
FLOOR AT MODLINE (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 9



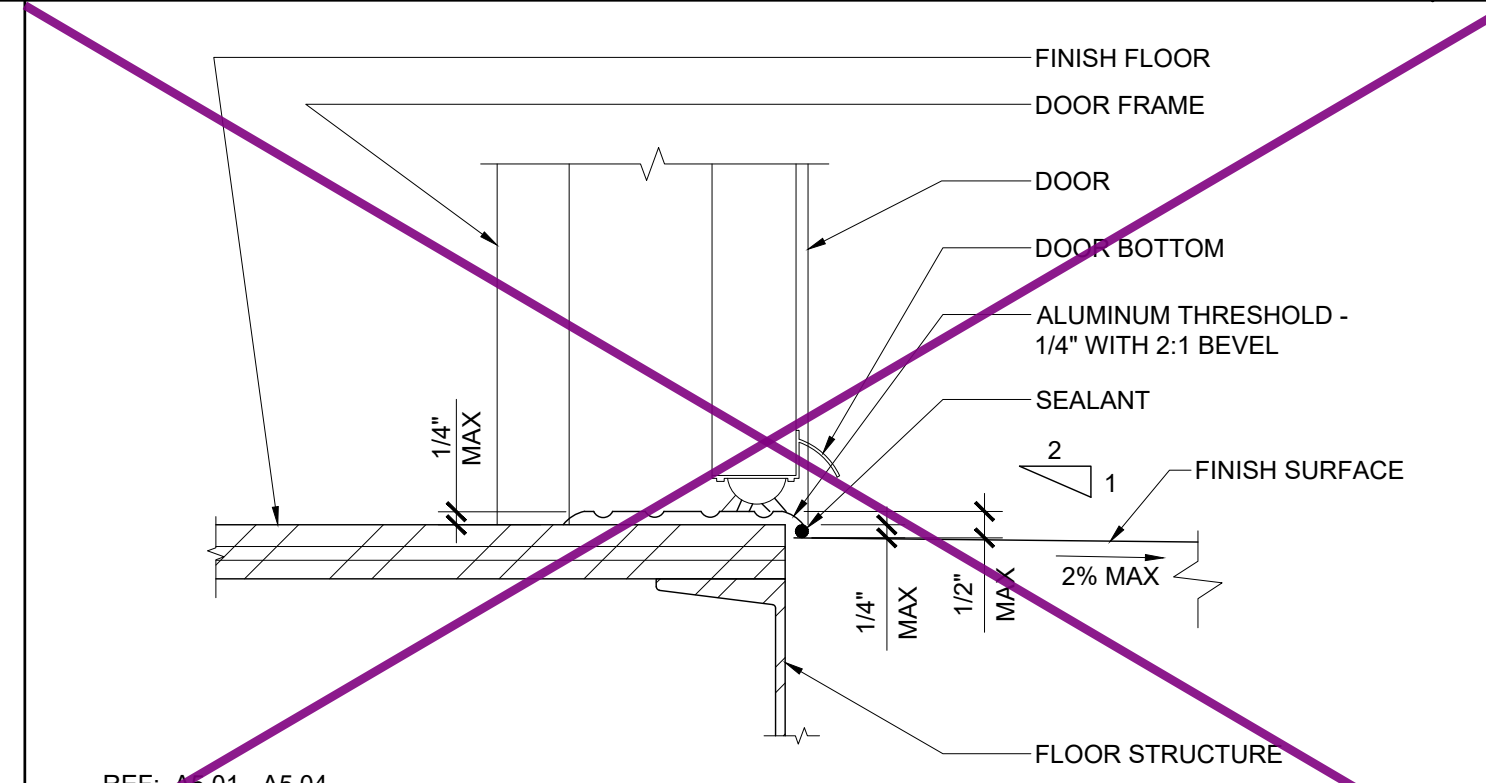
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FLOOR AT MODLINE (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 8



REF: A1.01 - A1.03
FLOOR AT MODLINE (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 13



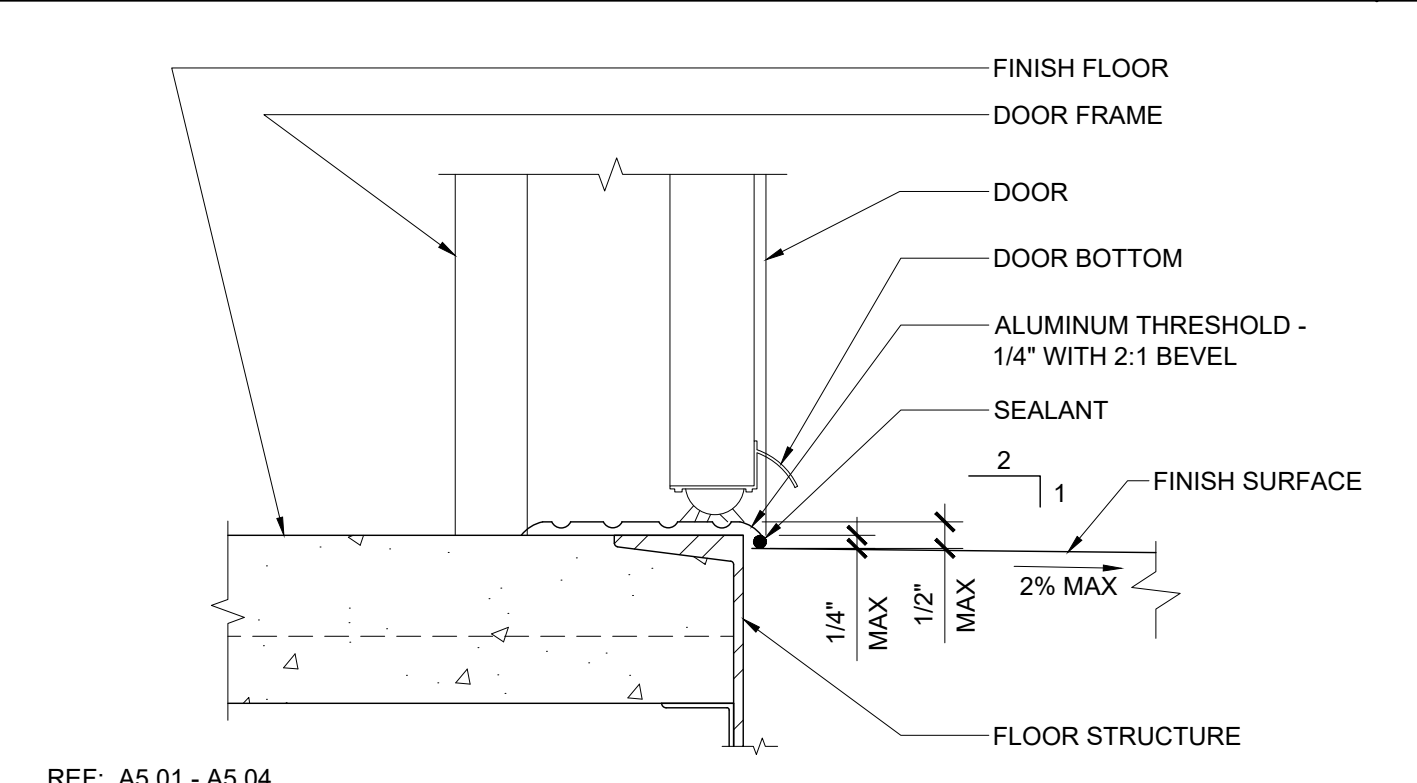
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FLOOR AT MODLINE (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 18



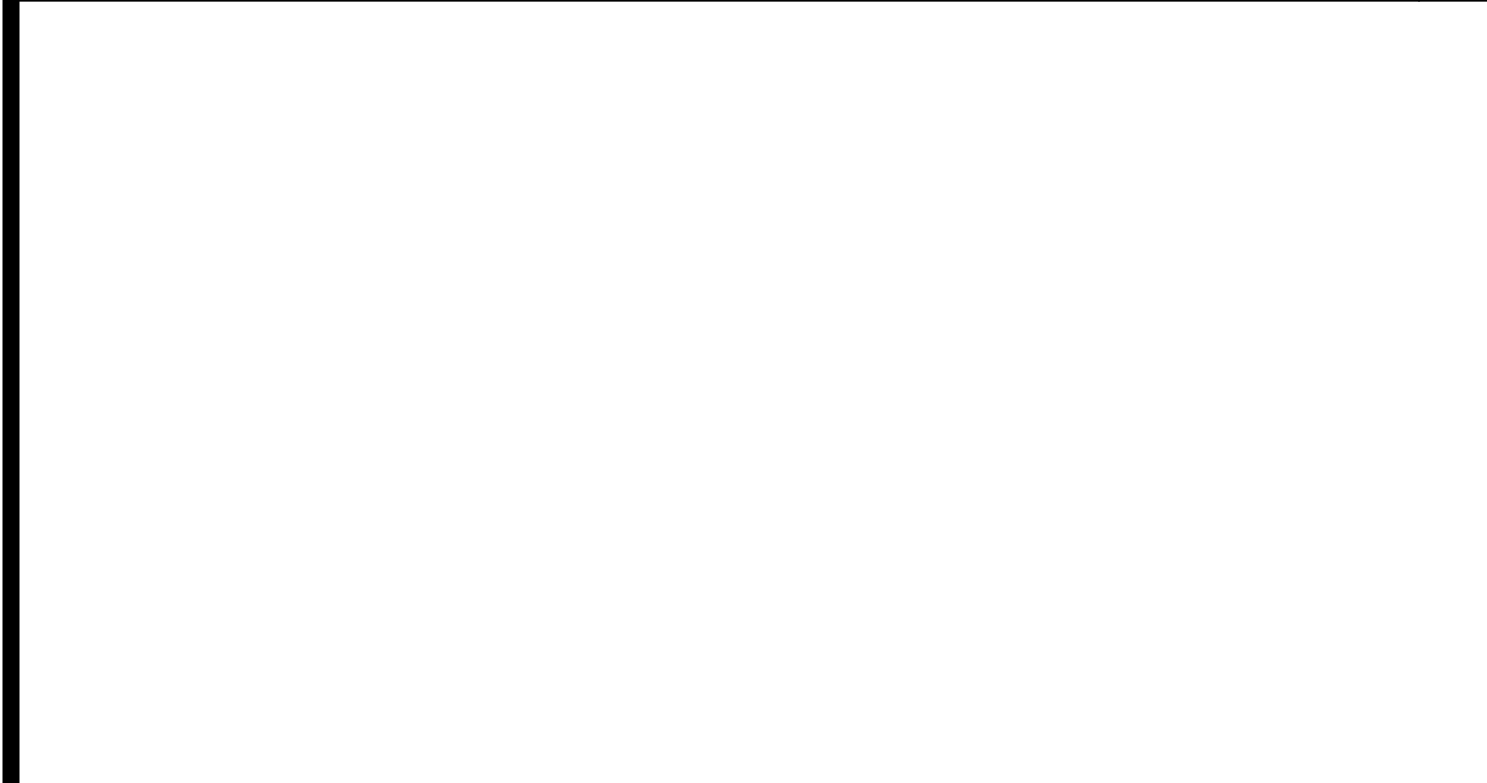
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THRESHOLD SCALE: 3"=1'-0" 9



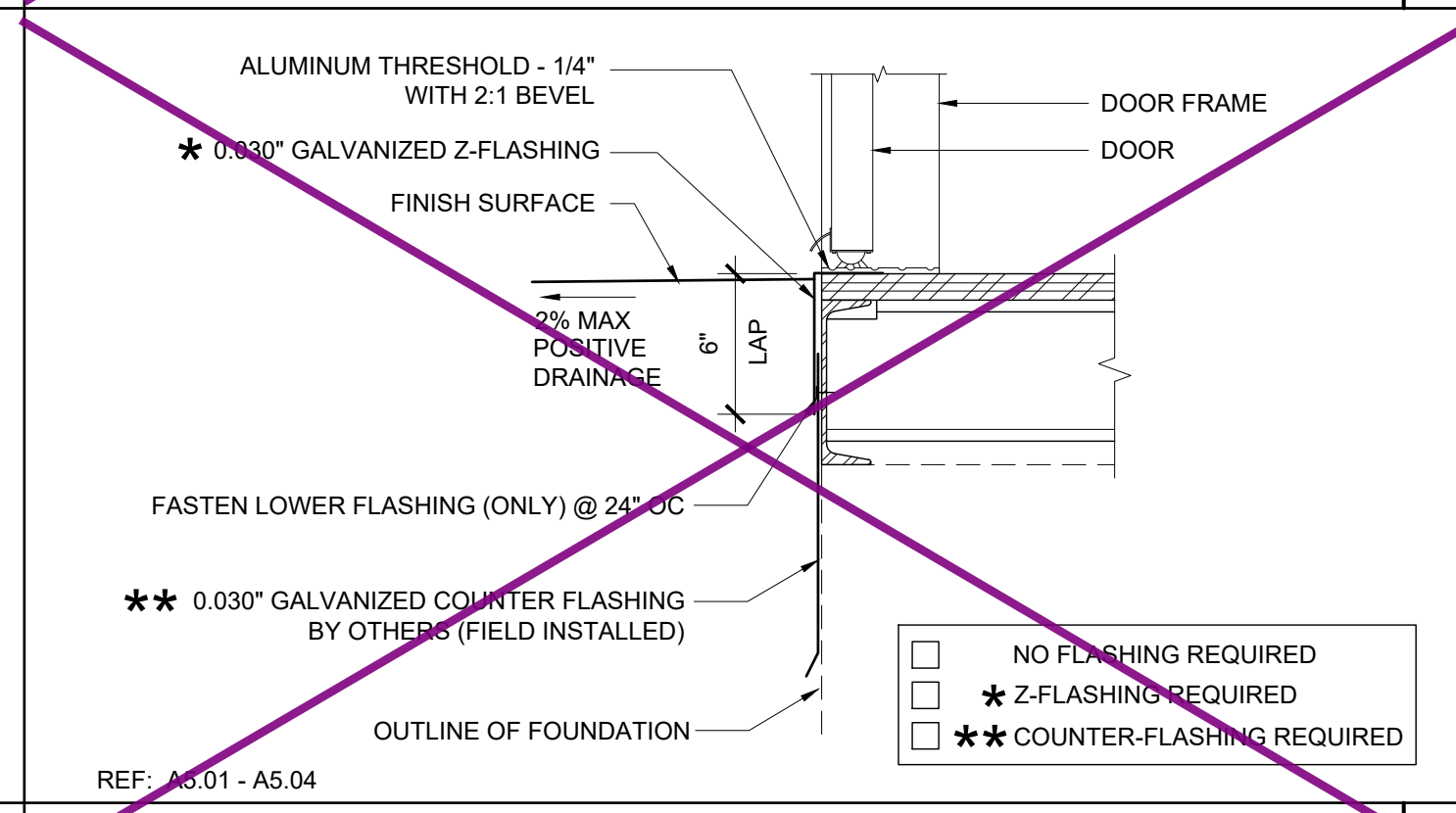
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THRESHOLD SCALE: 3"=1'-0" 14



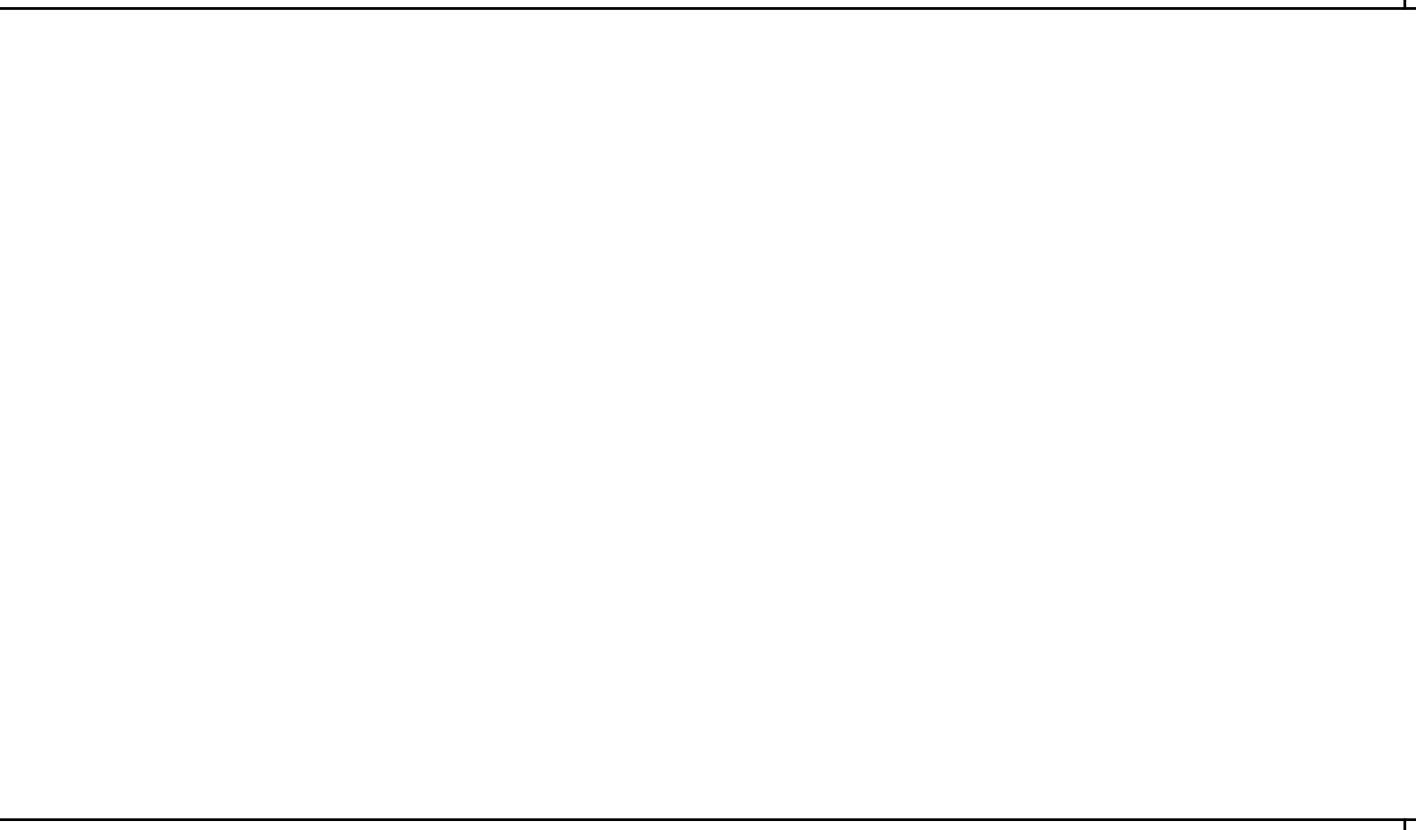
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THRESHOLD SCALE: 3"=1'-0" 14



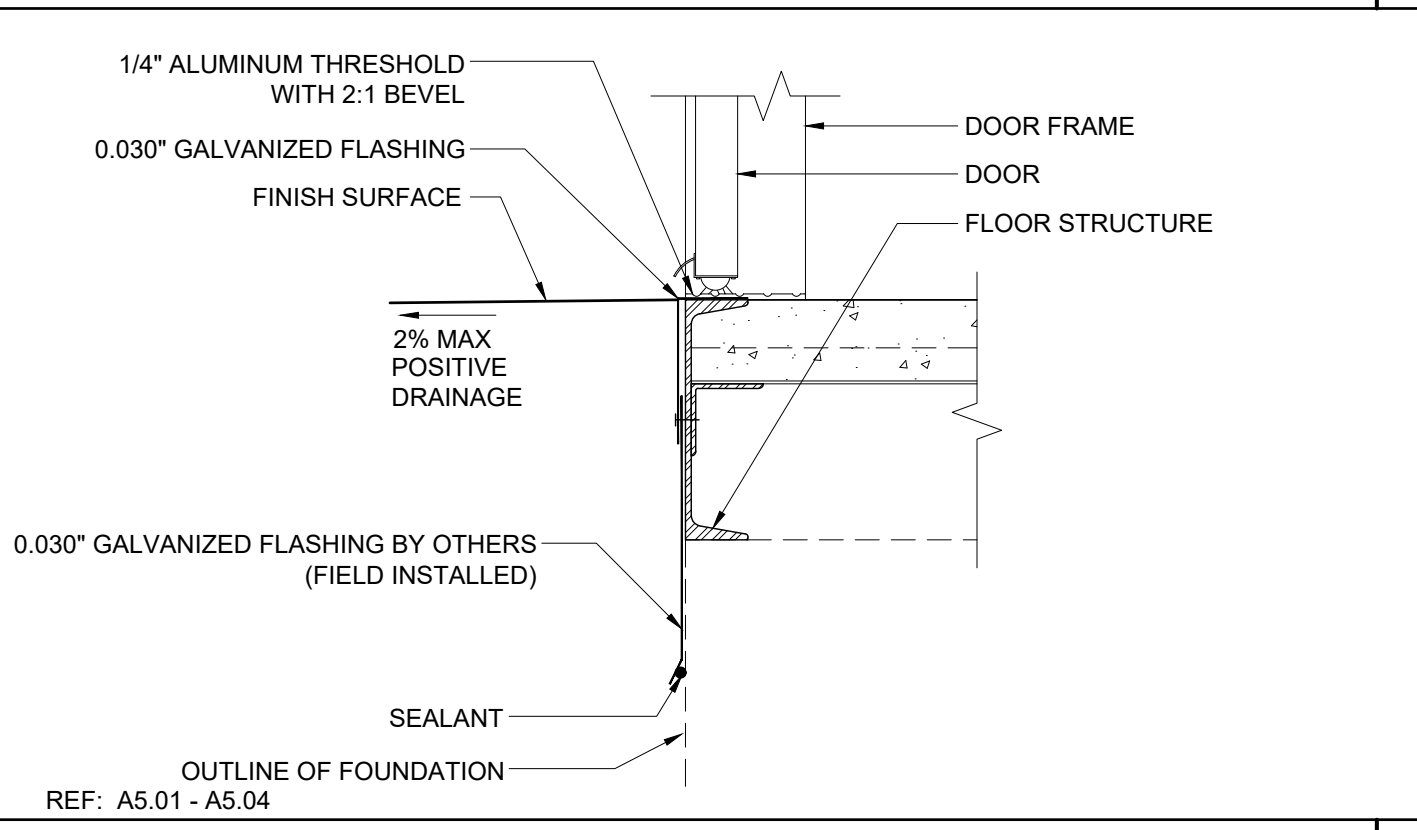
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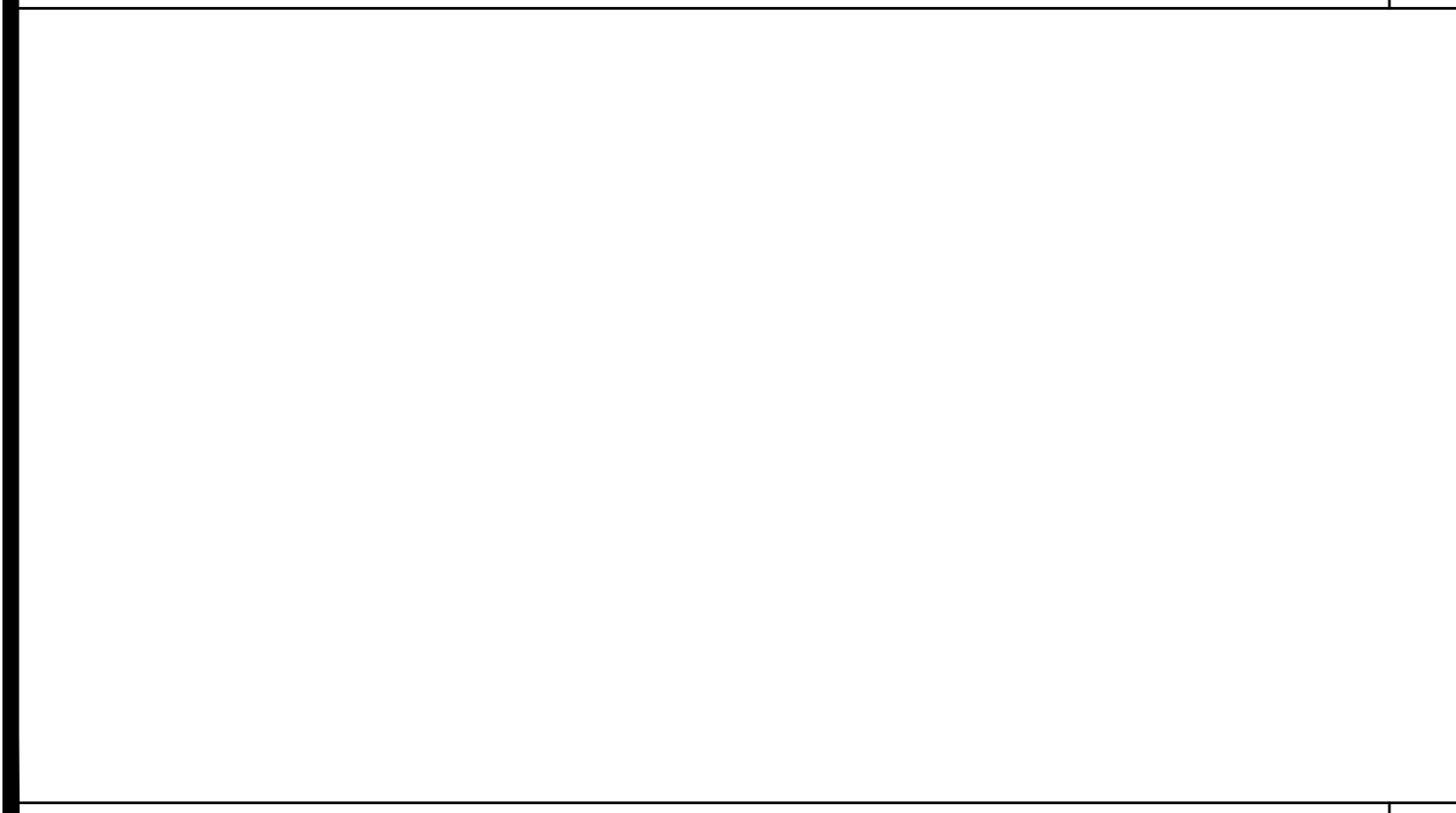
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TYPICAL SILL AT FLOOR (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 5



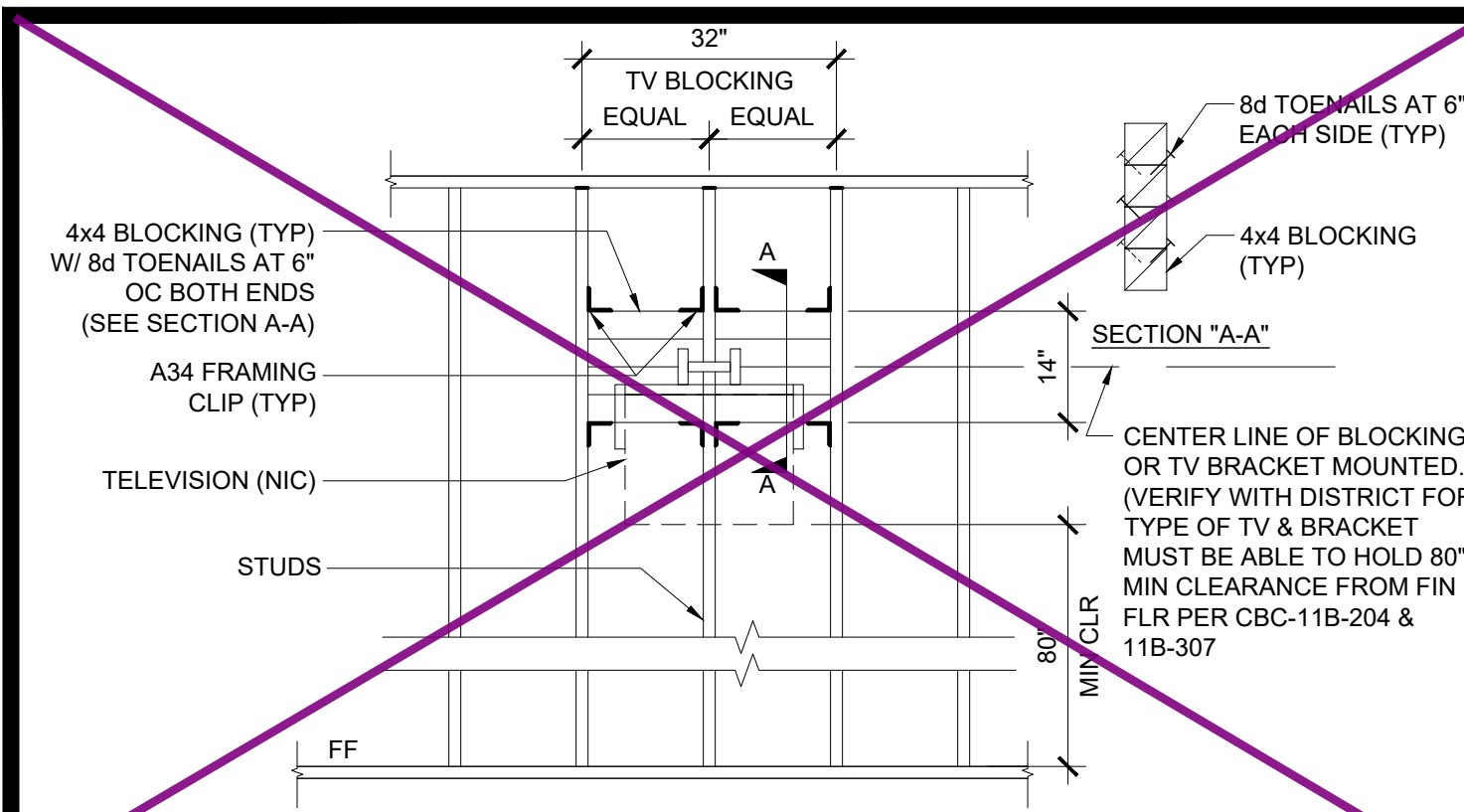
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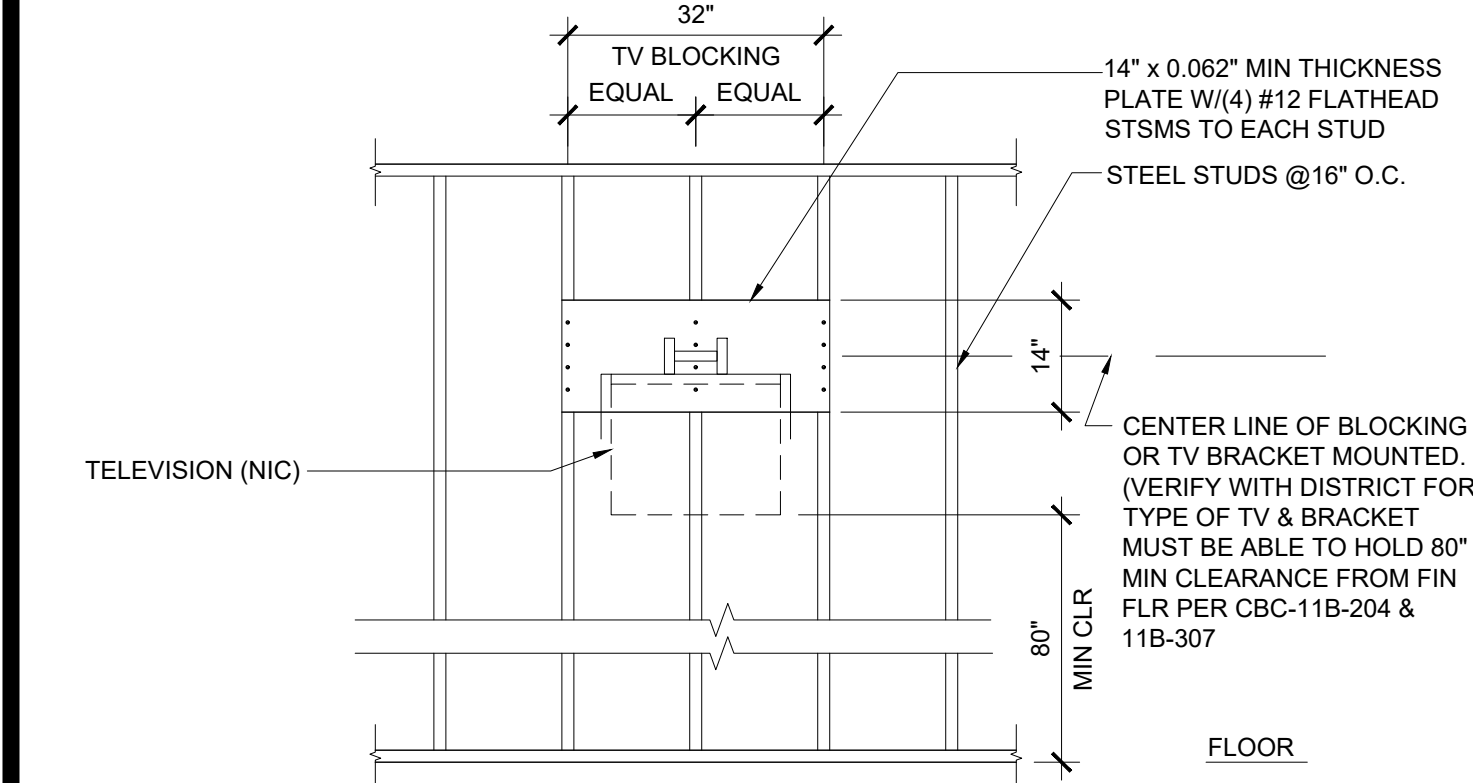
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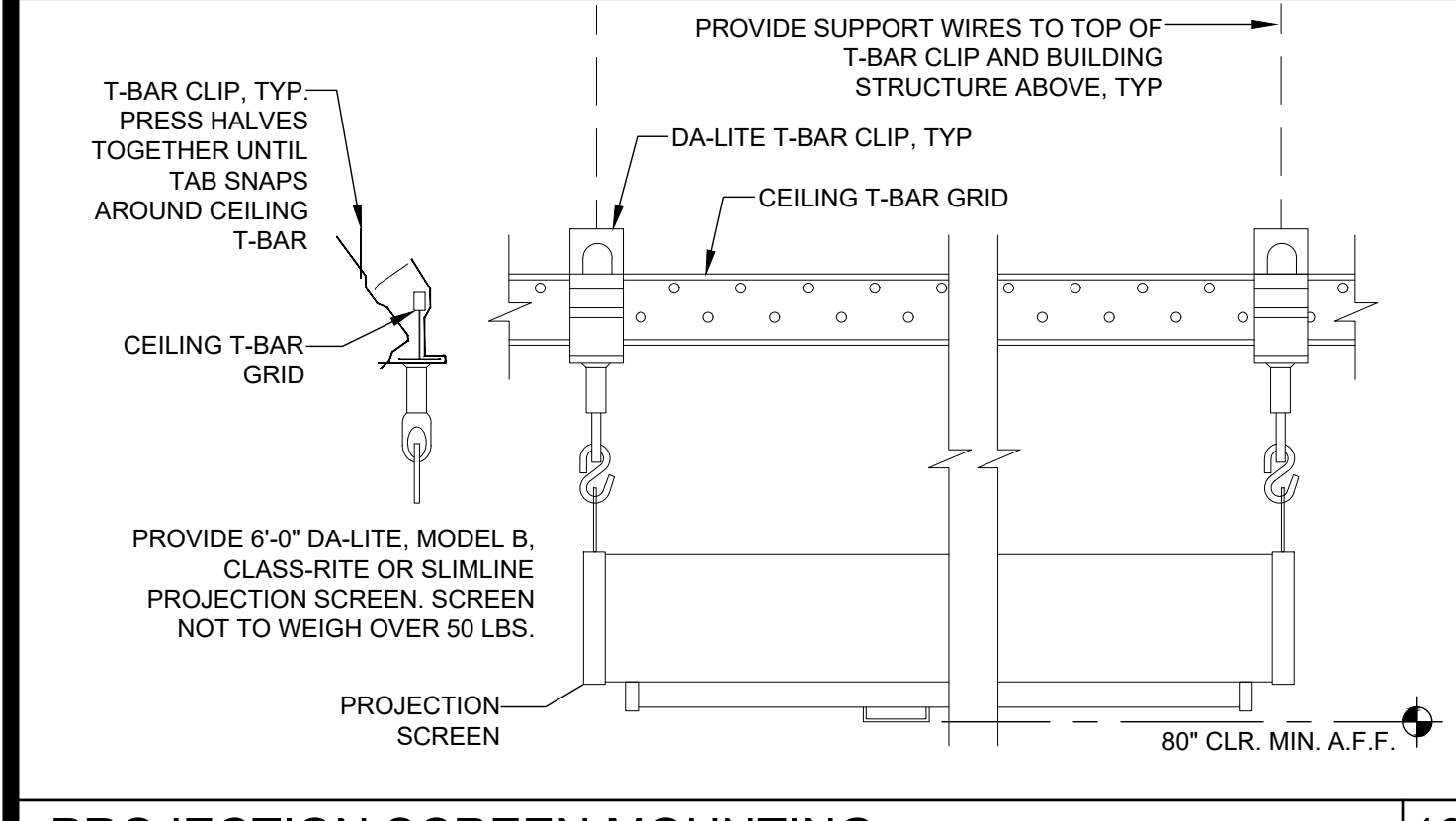
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TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 20



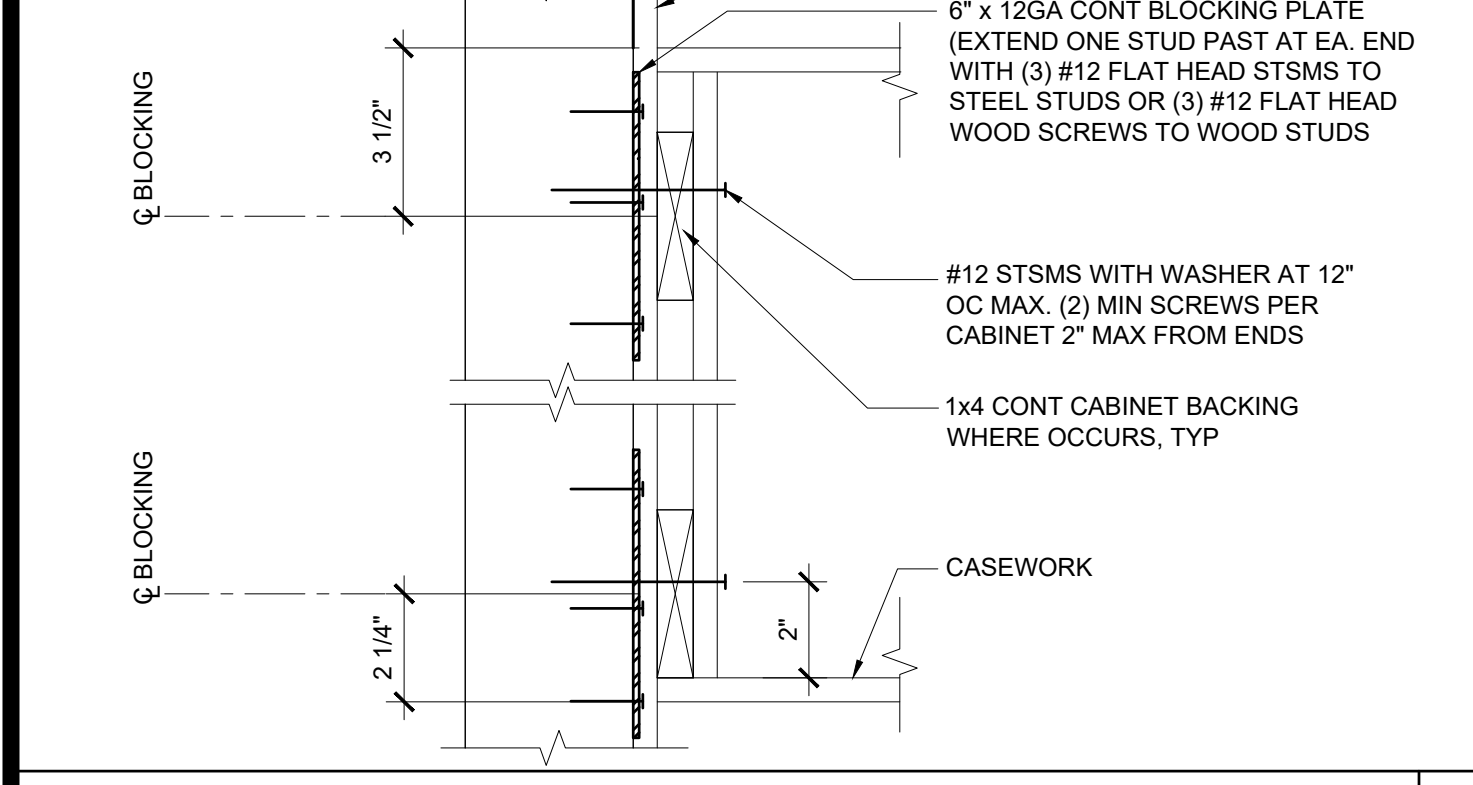
T.V. BLOCKING ATTACHMENT AT WOOD STUD SCALE: 1/2" = 1'-0" 16



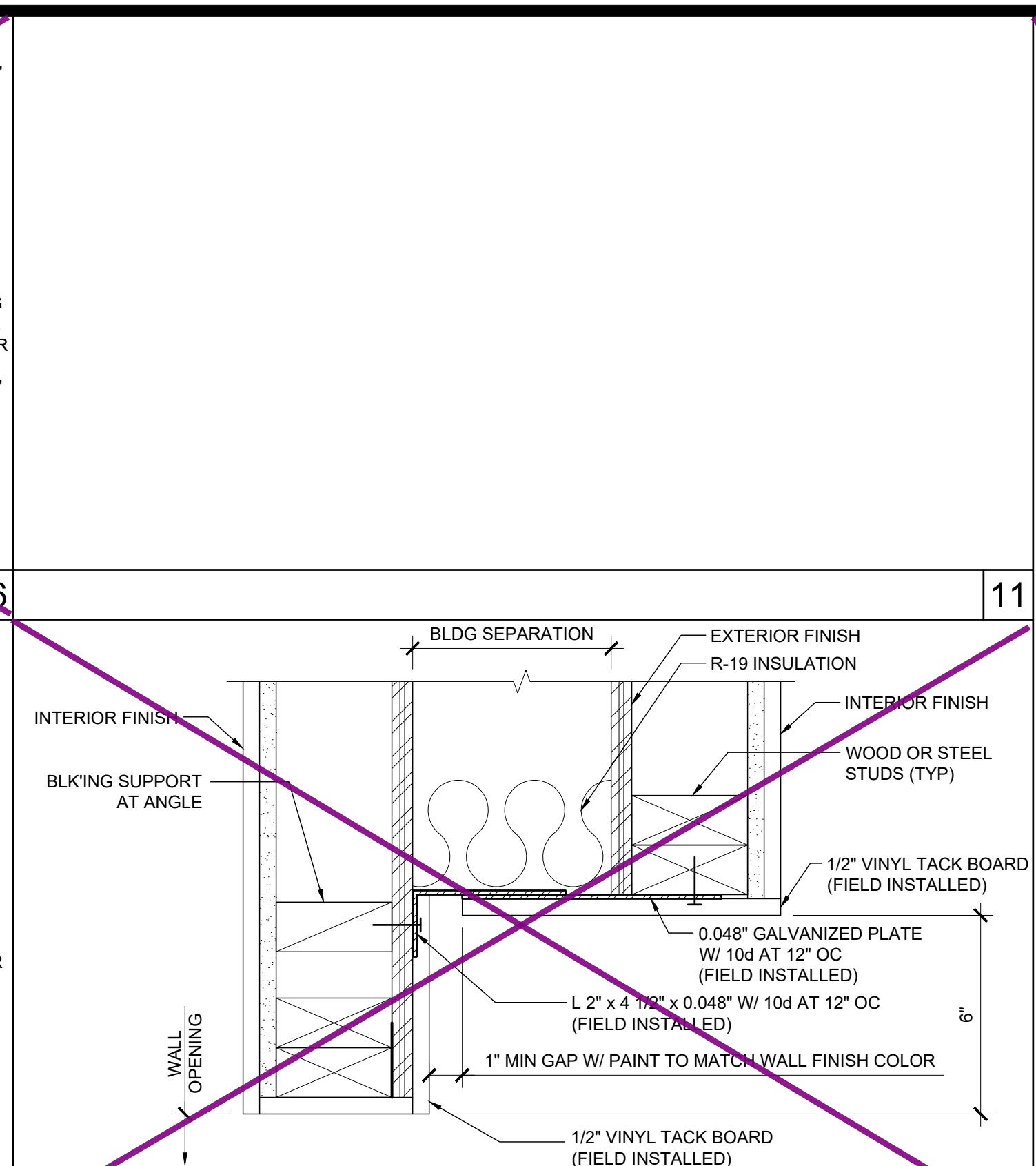
T.V. BLOCKING ATTACHMENT AT STEEL STUD SCALE: 1/2" = 1'-0" 17



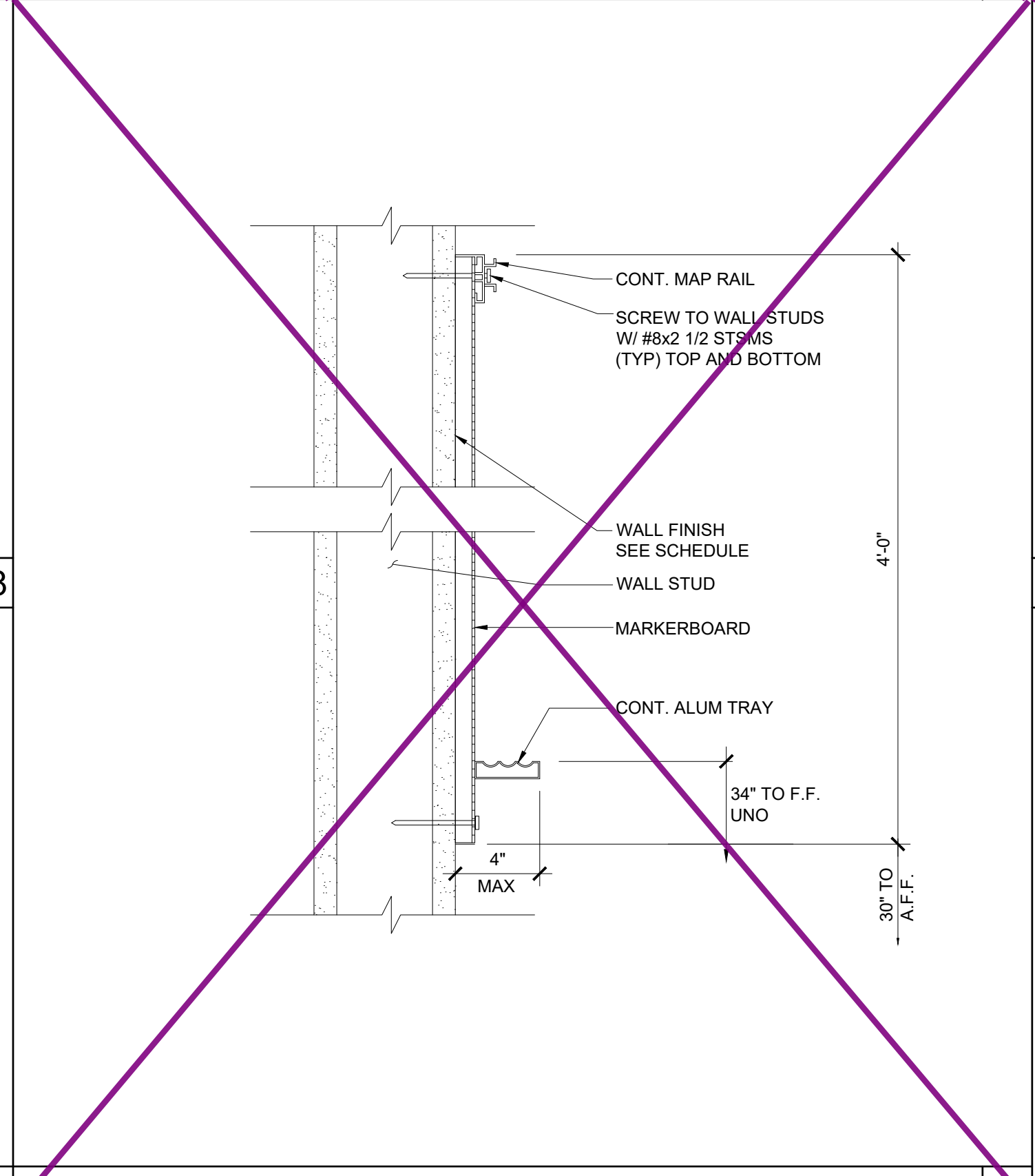
PROJECTION SCREEN MOUNTING SCALE: NTS 18



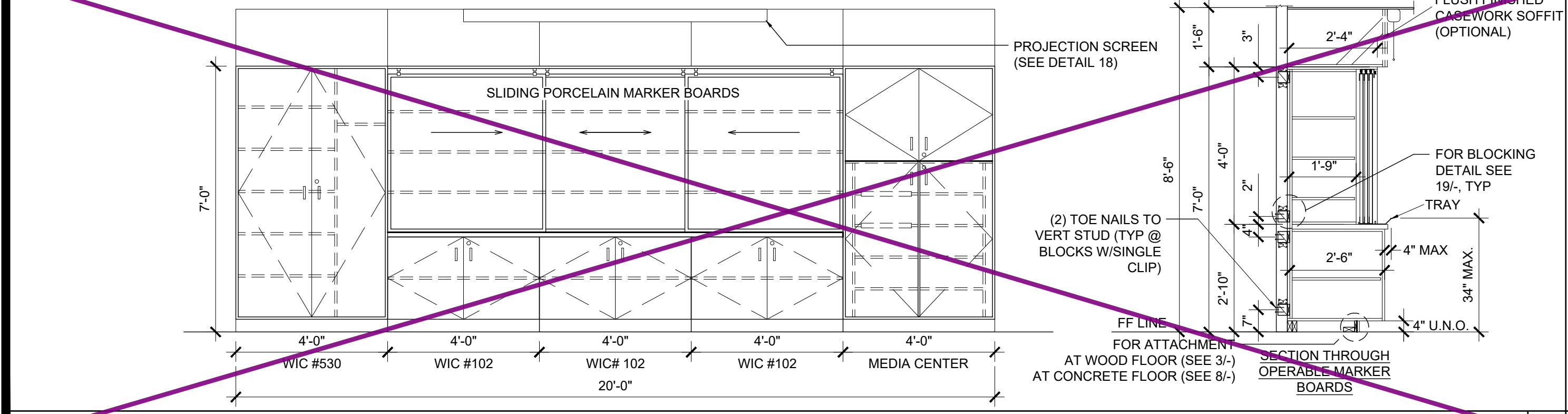
ATTACHMENT TO BLOCKING PLATE SCALE: 3" = 1'-0" 19



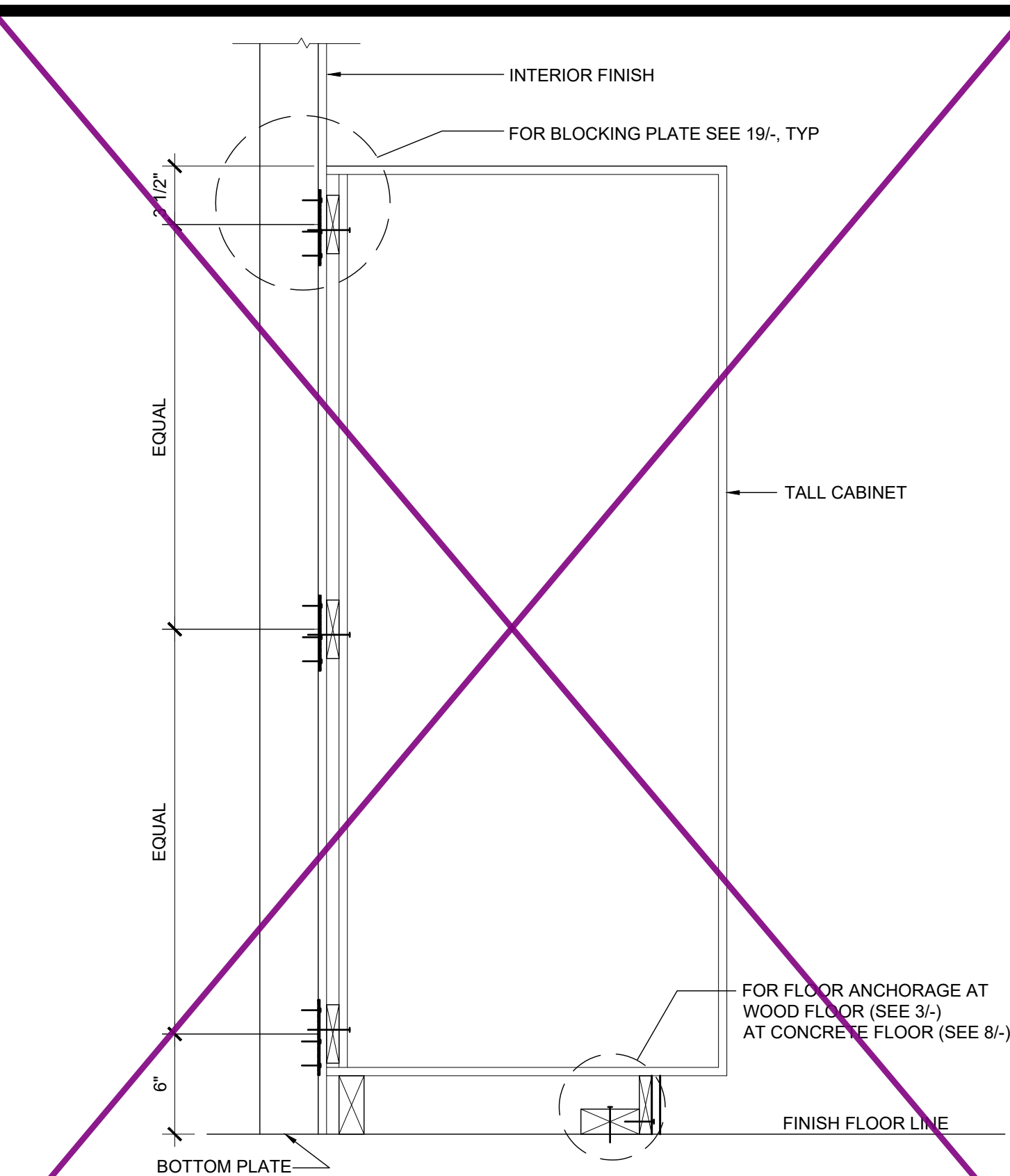
WALL OPENING AT HEADER AND JAMB SCALE: 3" = 1'-0" 12



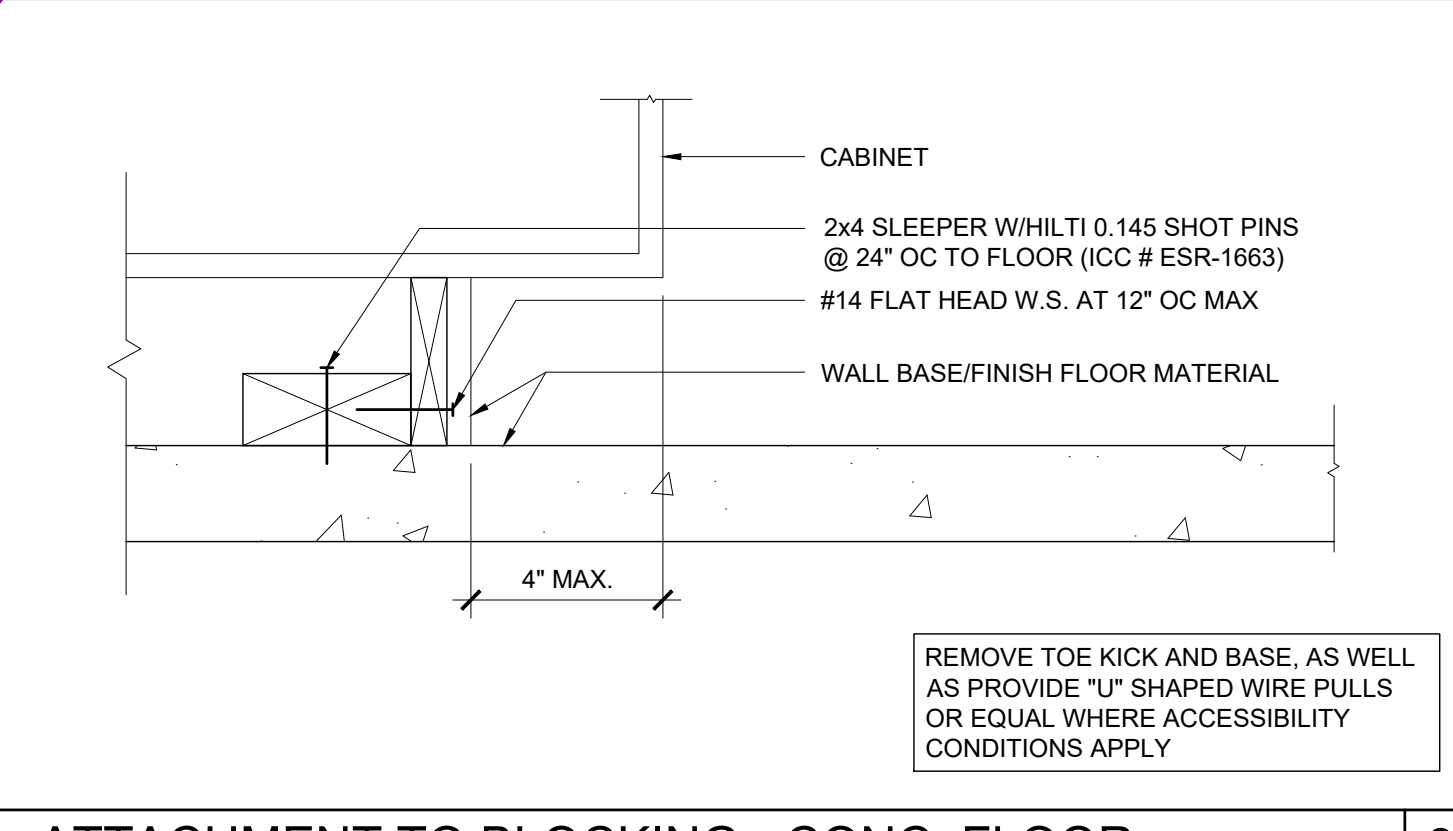
MARKER BOARD ATTACHMENT SCALE: 3" = 1'-0" 14



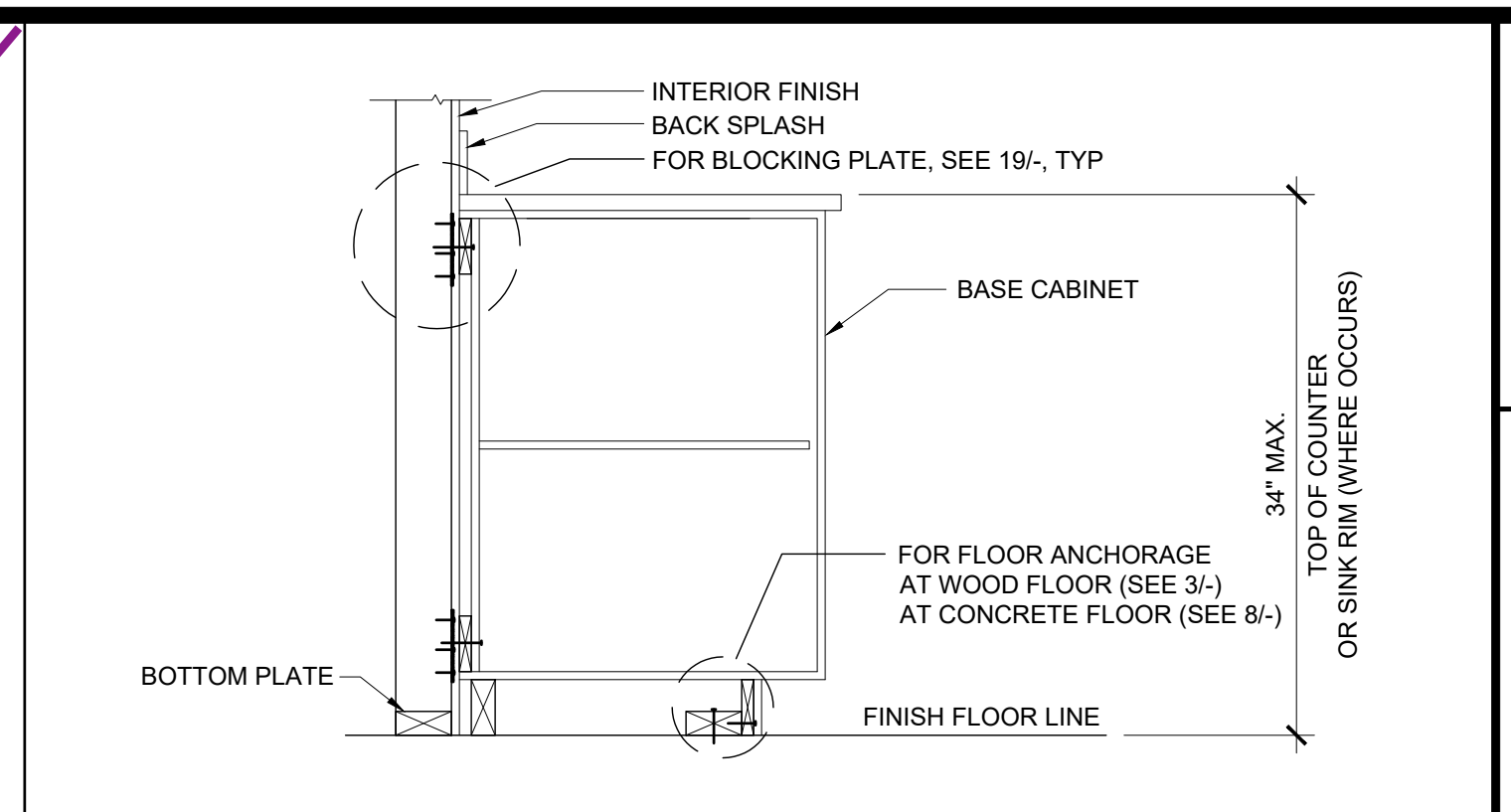
TEACHING WALL - ELEVATION / SECTION - OPTION SCALE: 3/8" = 1'-0" 15



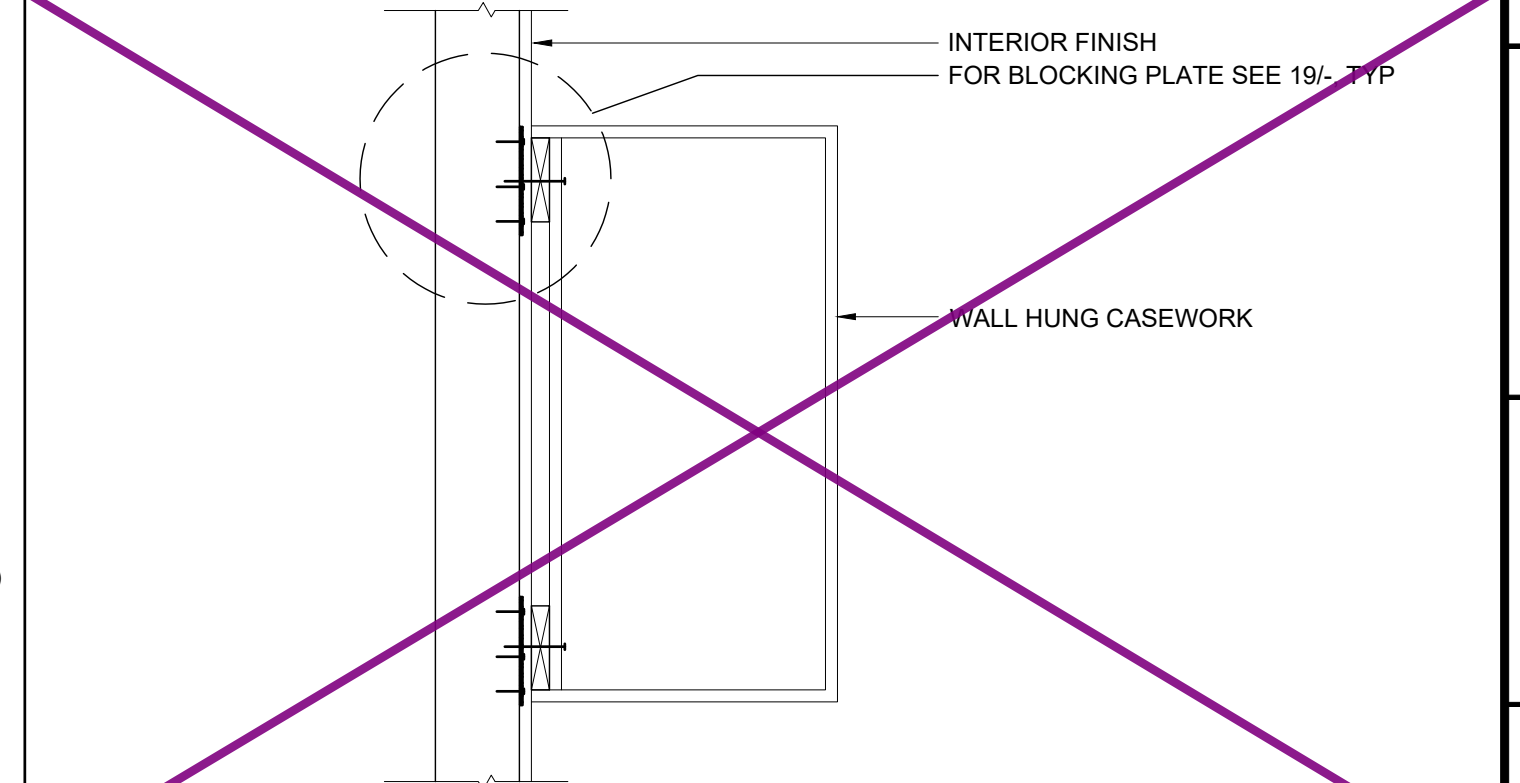
TALL CABINET WALL ANCHORAGE SCALE: 1 1/2" = 1'-0" 7



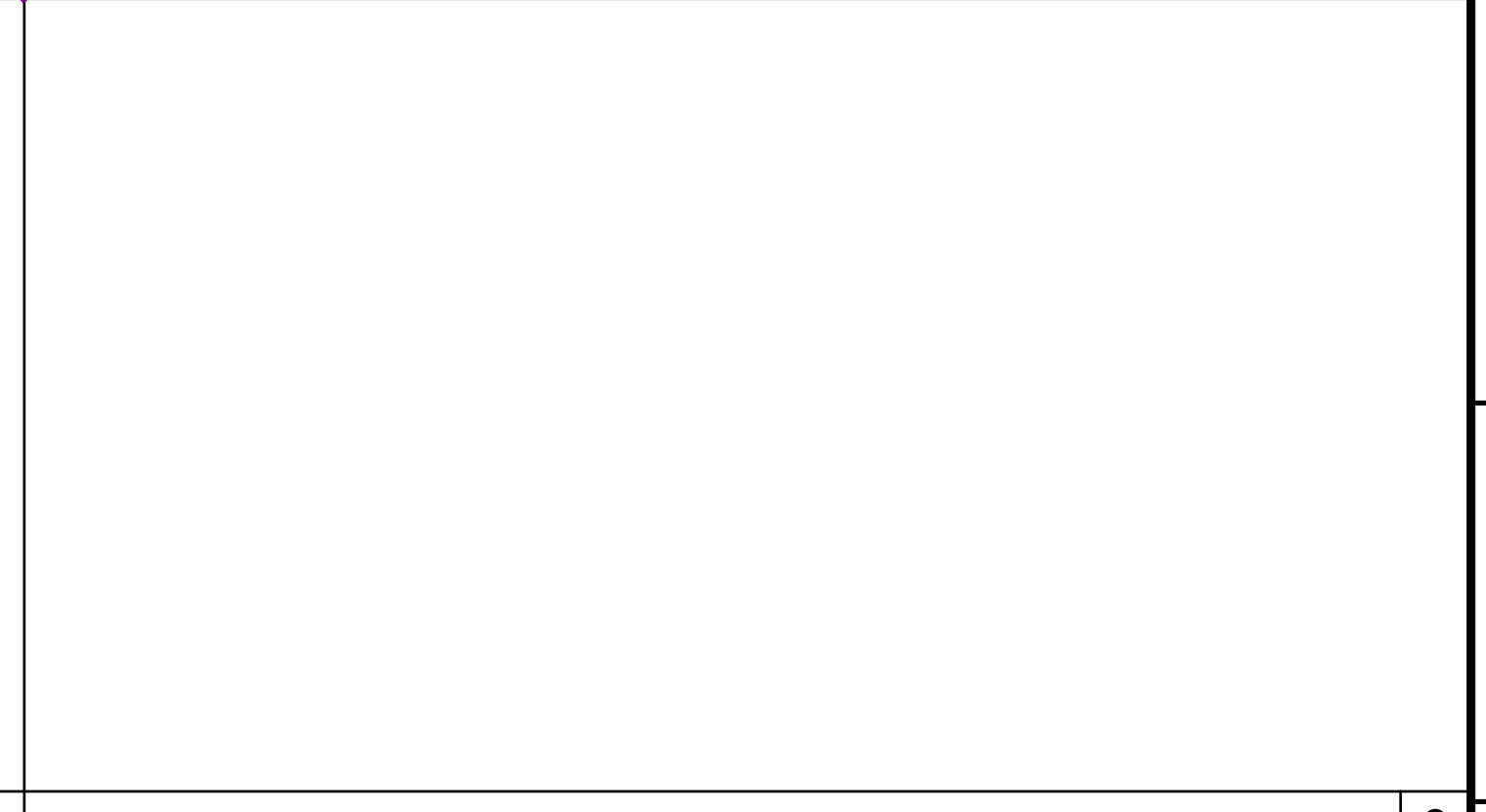
ATTACHMENT TO BLOCKING - CONC. FLOOR SCALE: 3" = 1'-0" 8



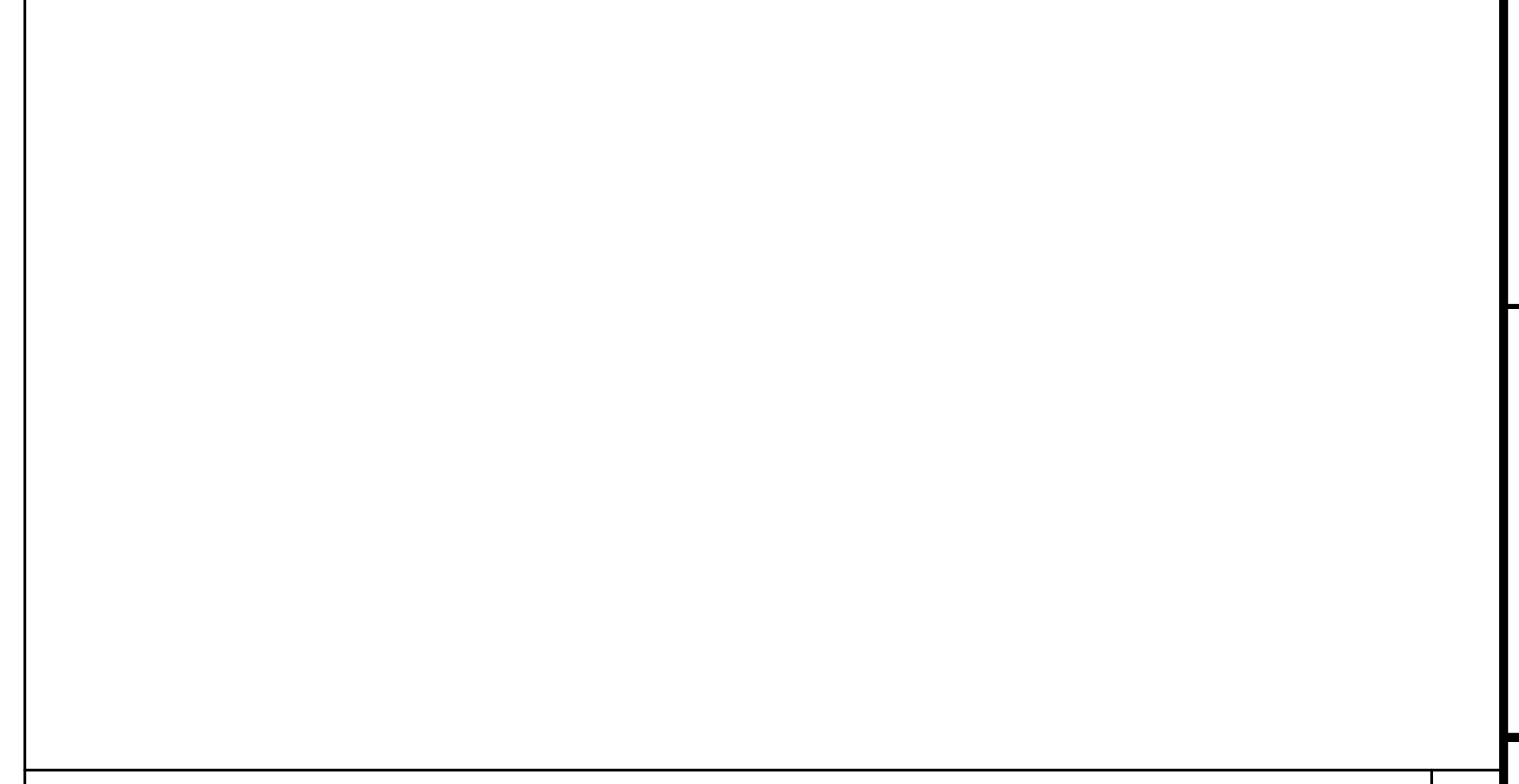
BASE CABINET WALL ANCHORAGE SCALE: 1" = 1'-0" 1



WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 2



WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 2



WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 2



WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 2

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SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
MISCELLANEOUS/OPTIONS**

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

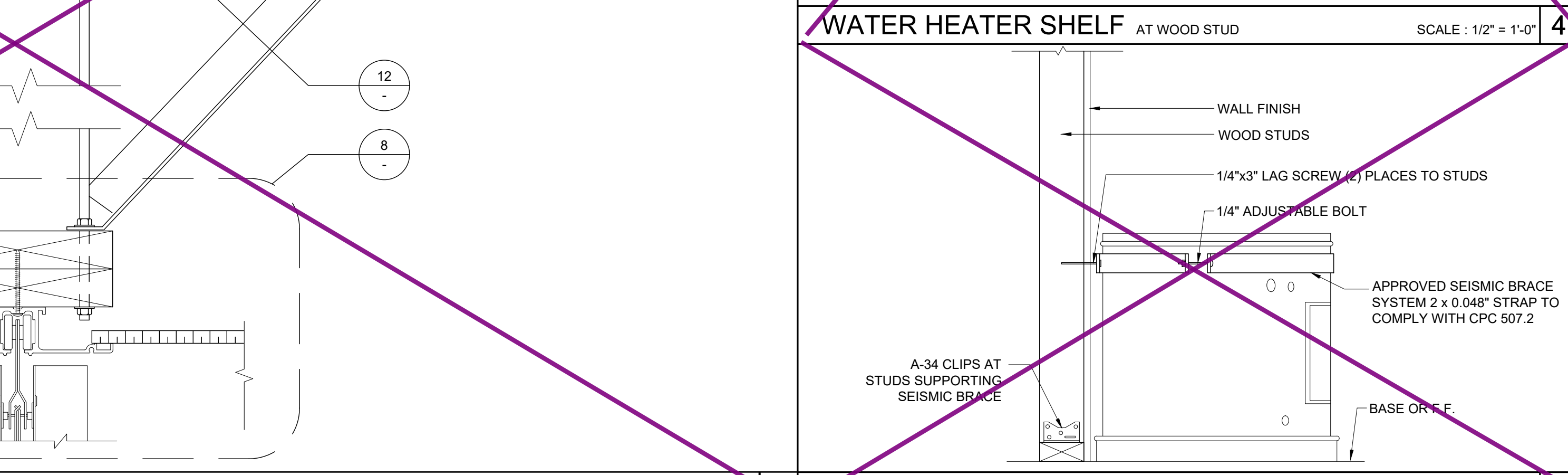
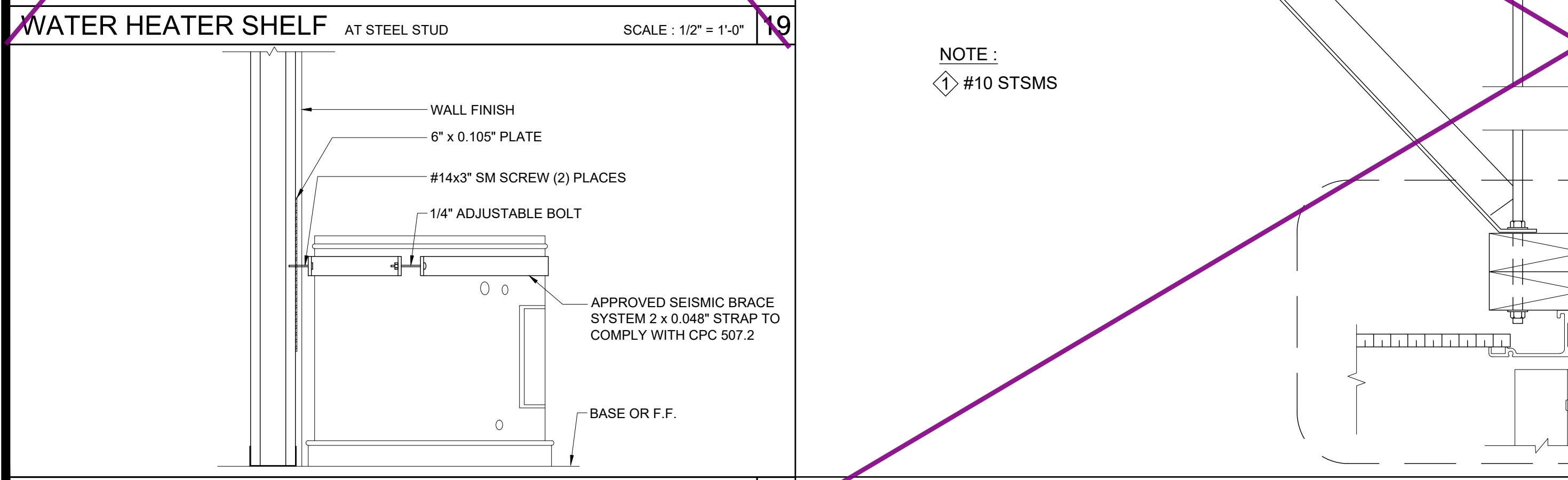
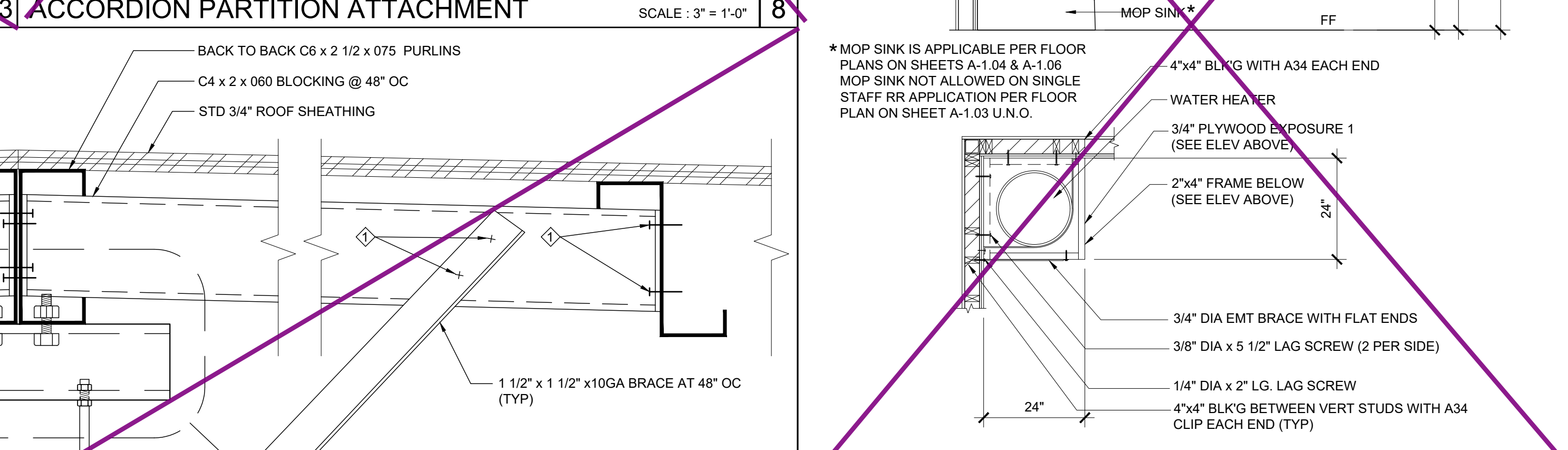
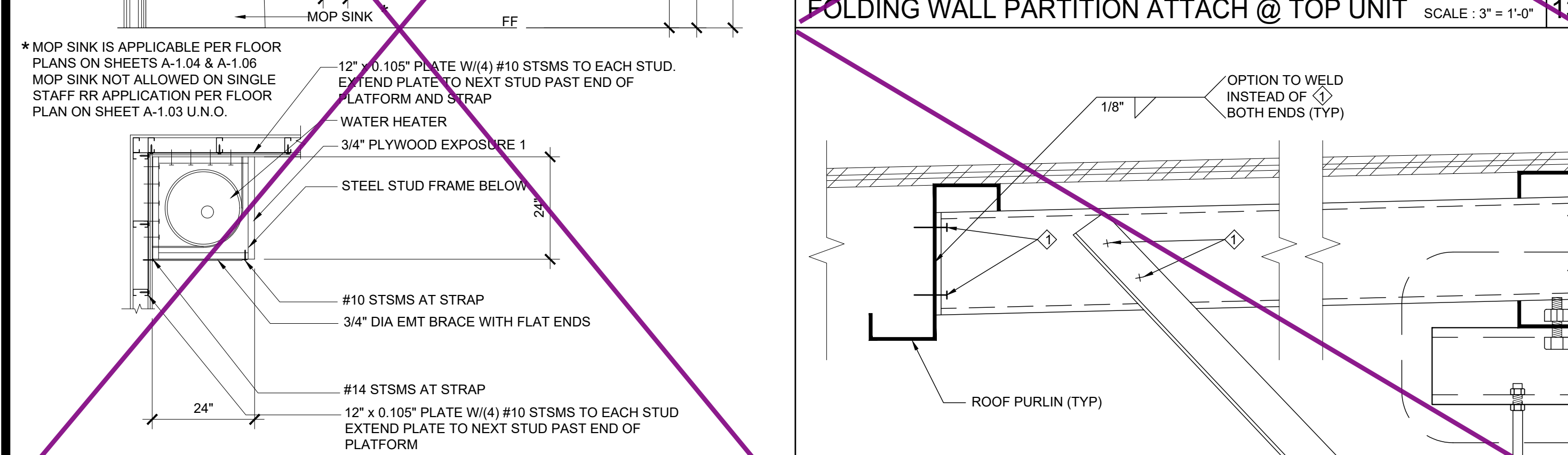
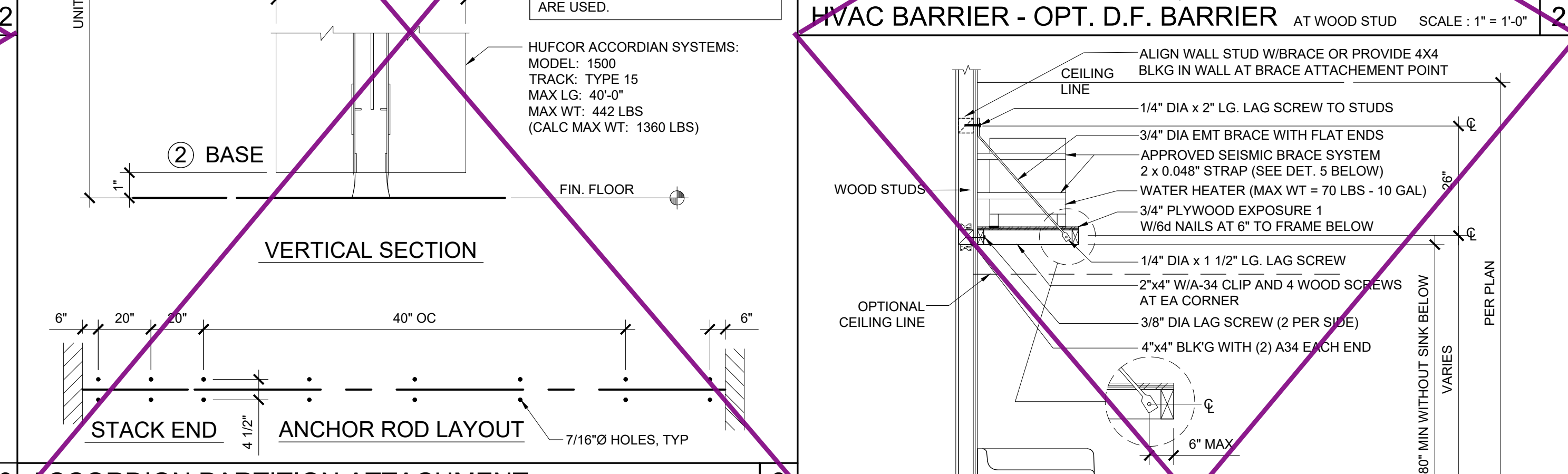
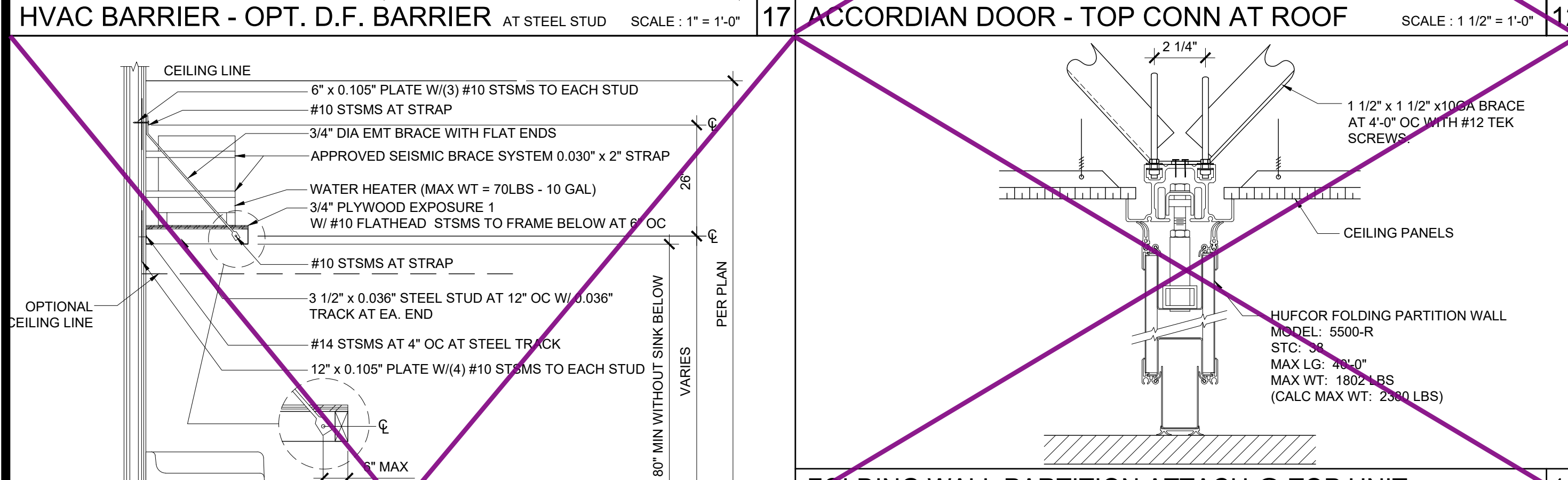
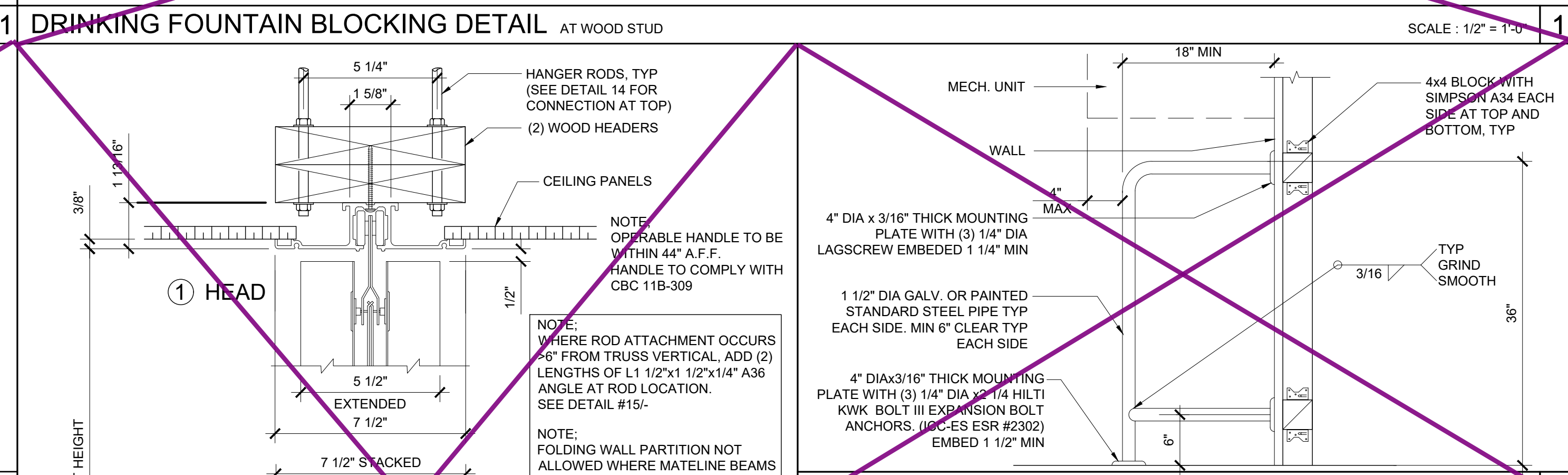
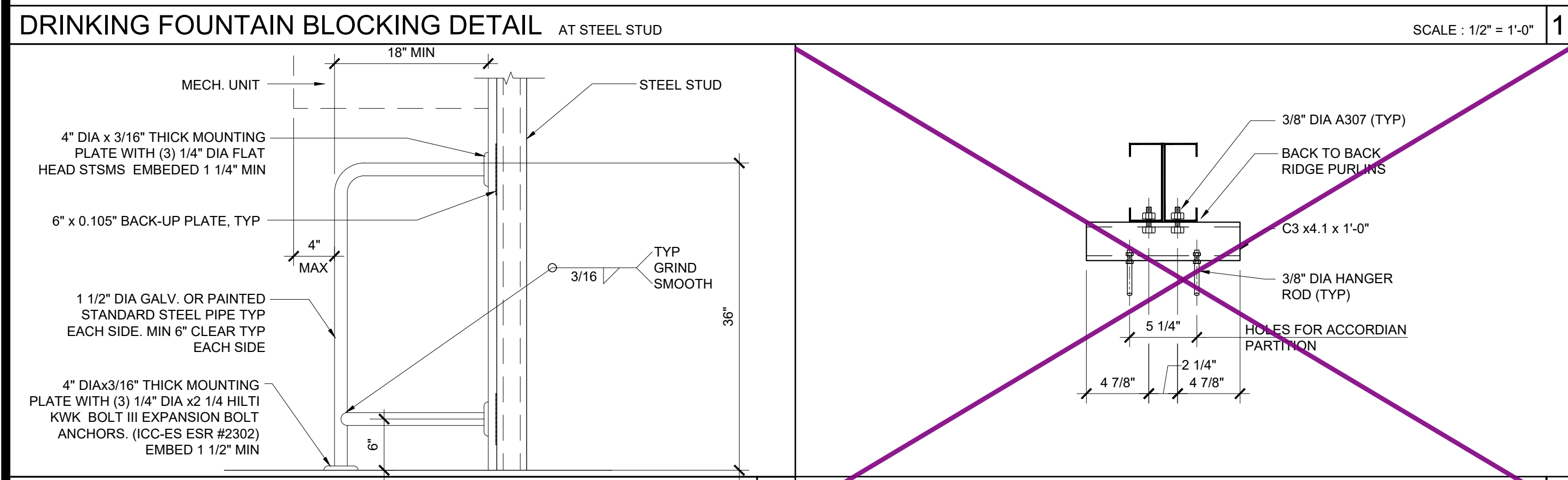
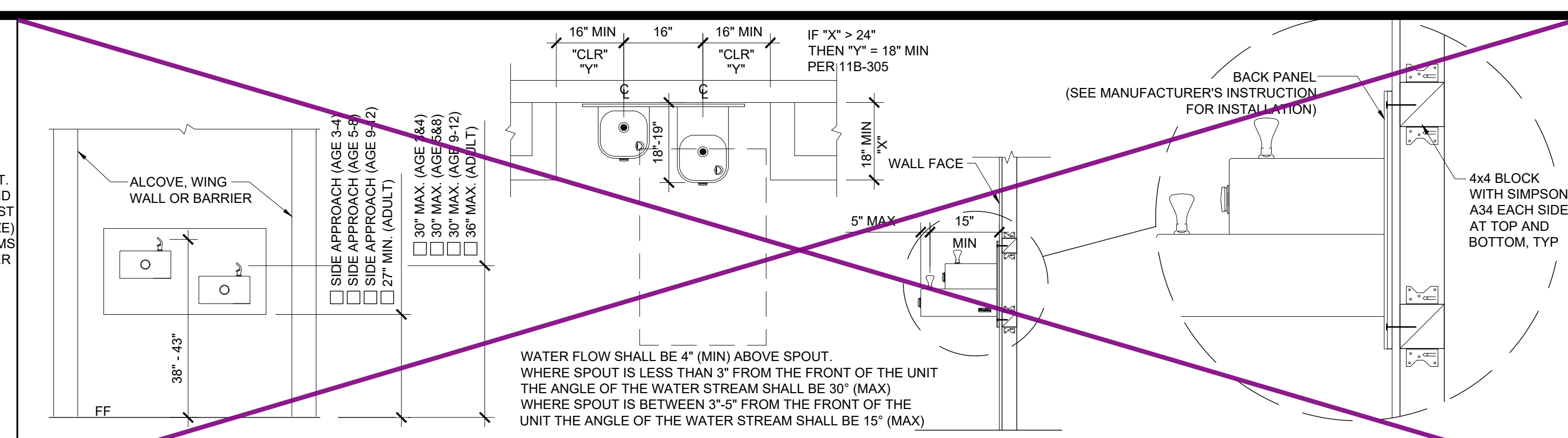
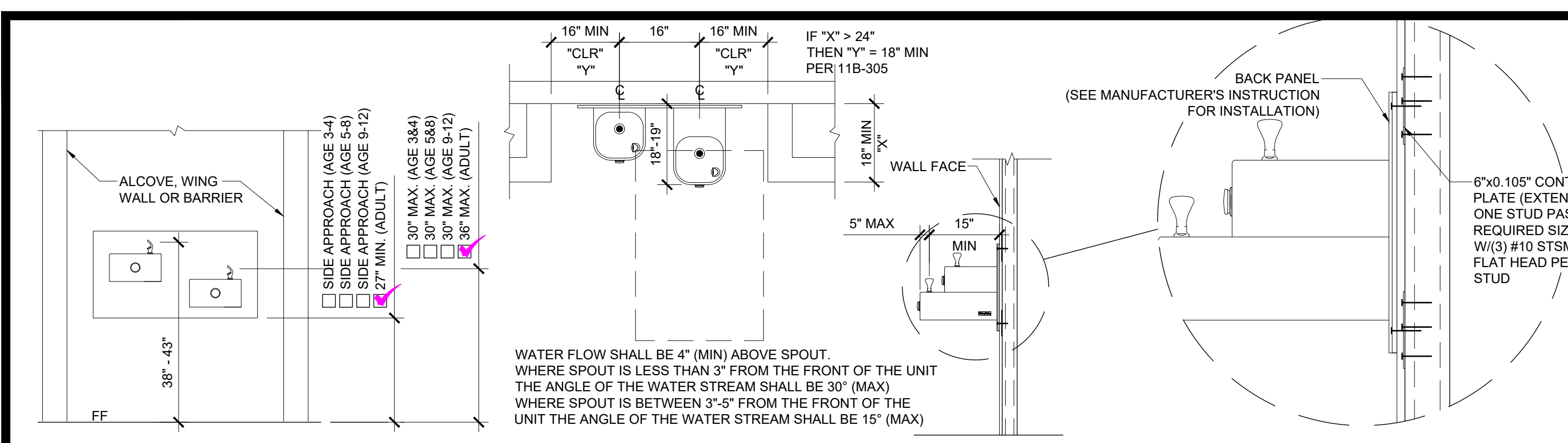
REVISIONS

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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18
P.C. SHEET NUMBER
A-5.80

WALL HUNG ANCHORAGE CABINET SCALE: 1 1/2" = 1'-0" 2



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SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
MISCELLANEOUS/OPTIONS**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/17/2020

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116719 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE: 10/05/2018

REVISIONS

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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18
P.C. SHEET NUMBER

A-5.81

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PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**INTERIOR ELEVATION
36' TO 72' x 60'**



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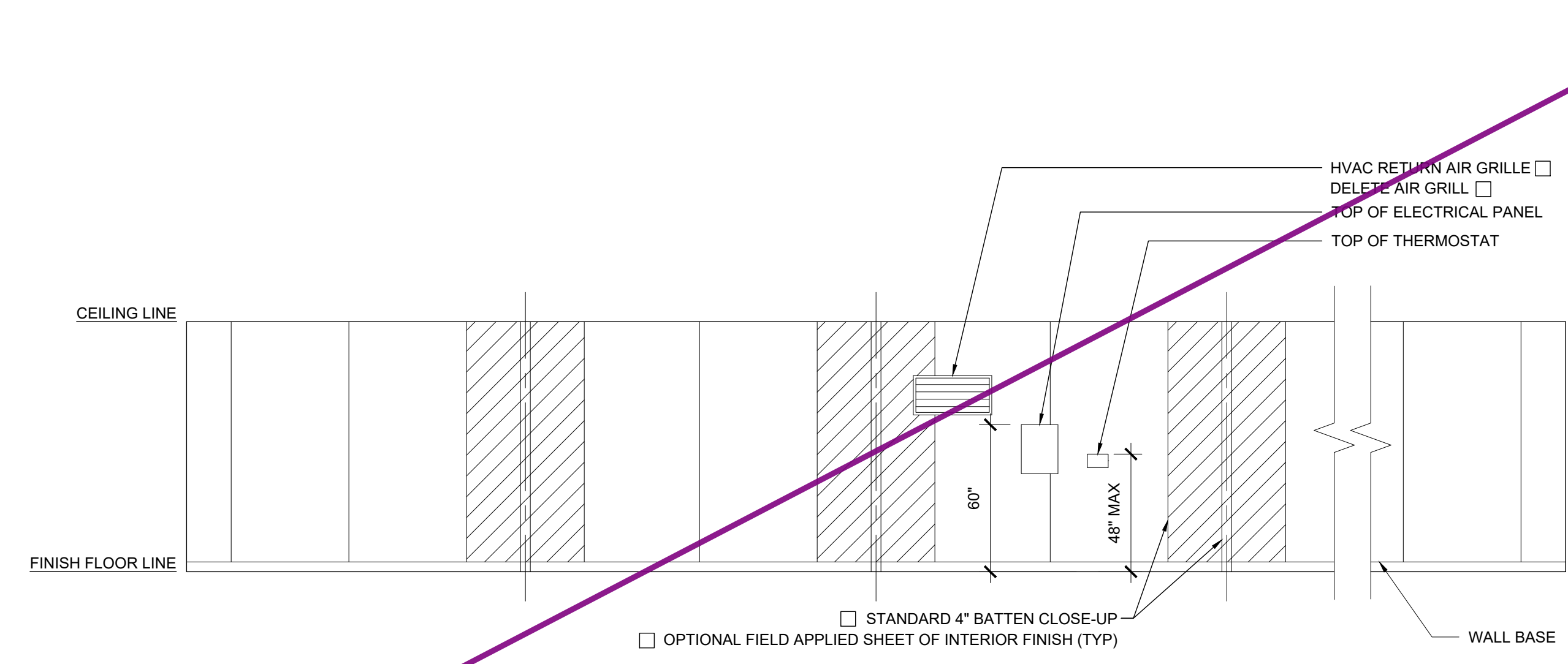
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SILVER CREEK INDUSTRIES
24' x 60' PC

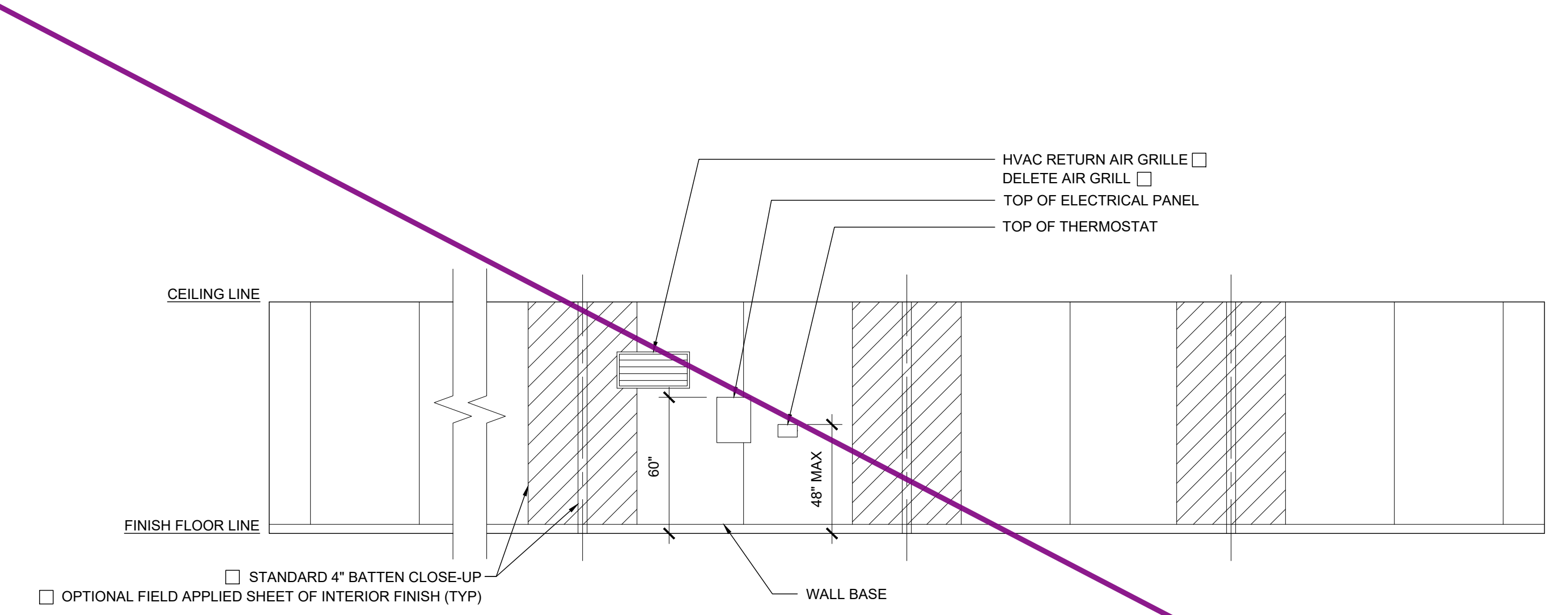
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DRAWN BY:
SCALE: AS NOTED
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P.C. SHEET NUMBER

A-6.04



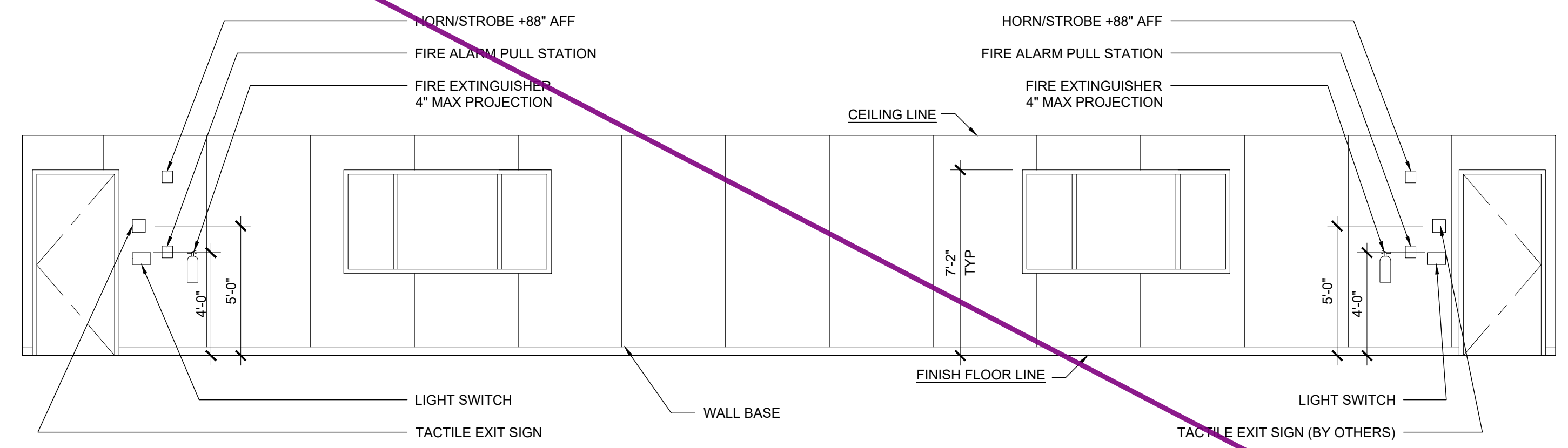
RIGHT ELEVATION

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



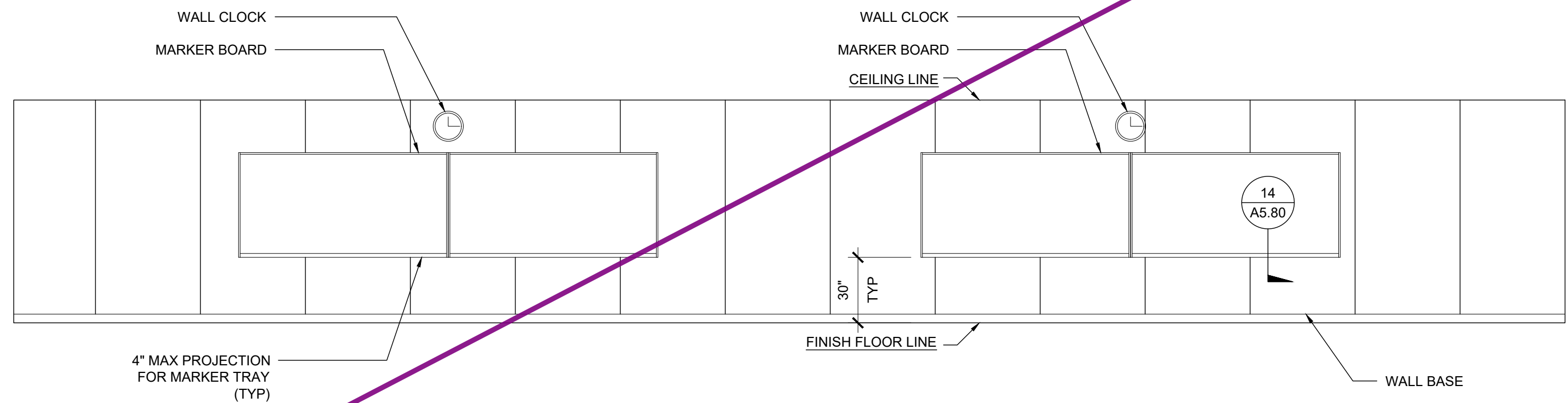
LEFT ELEVATION

SCALE: 1/4" = 1'-0" 3



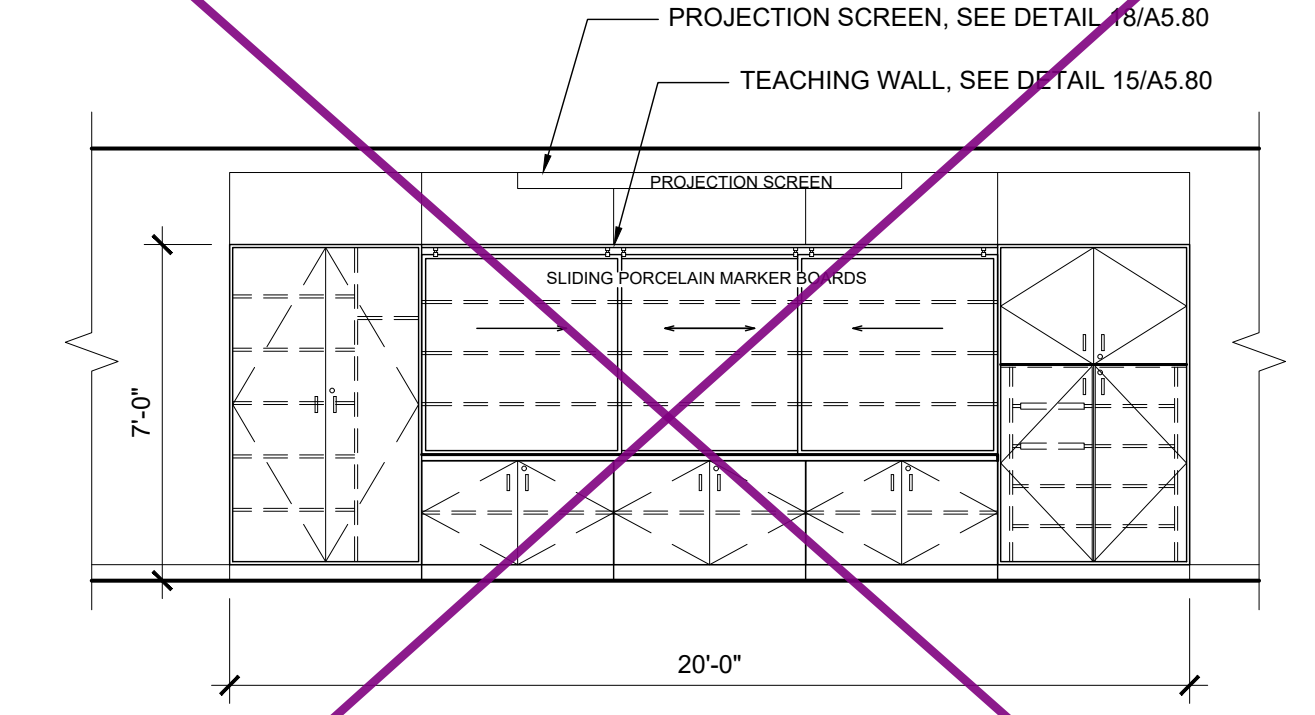
FRONT ELEVATION

SCALE: 1/4" = 1'-0" 2



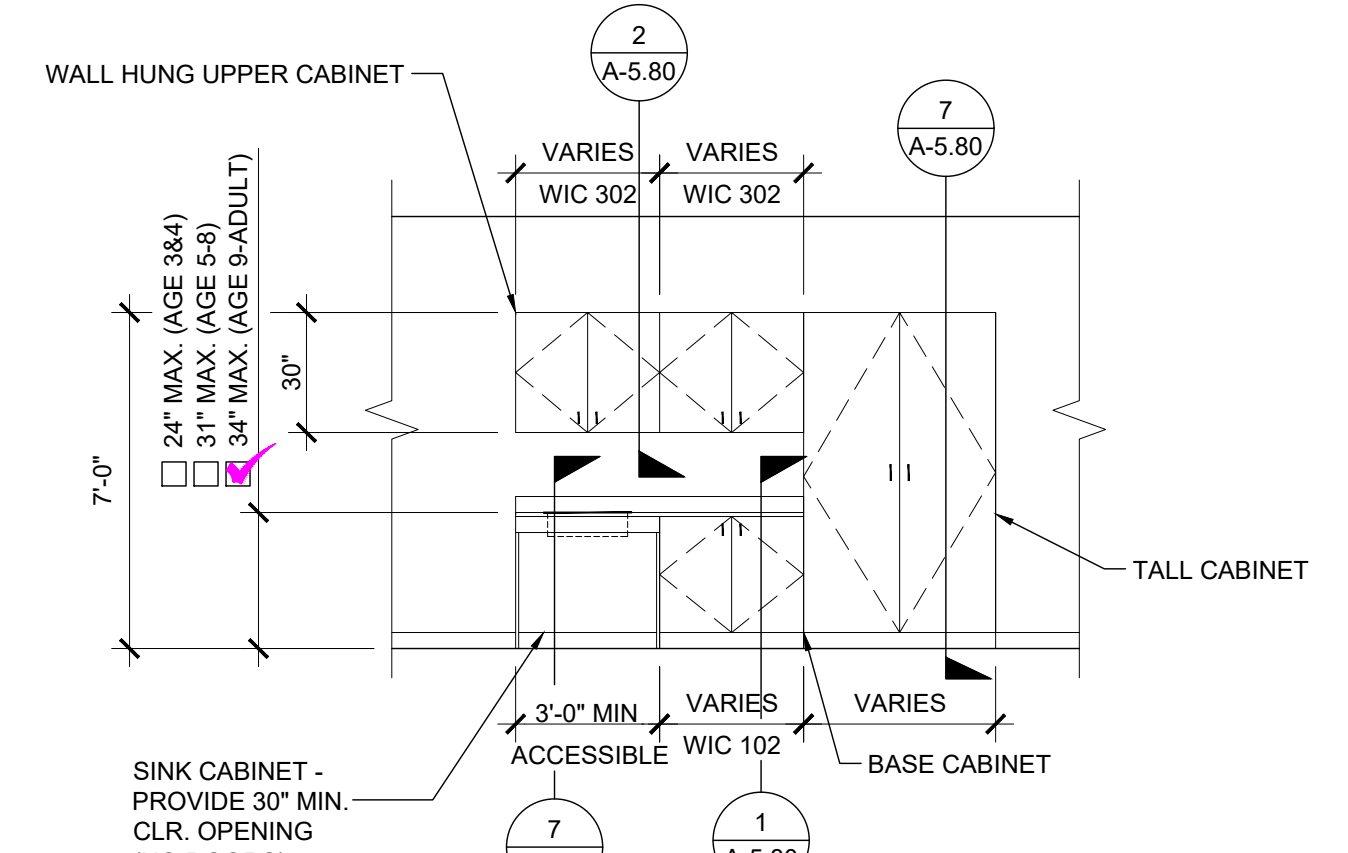
REAR ELEVATION

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



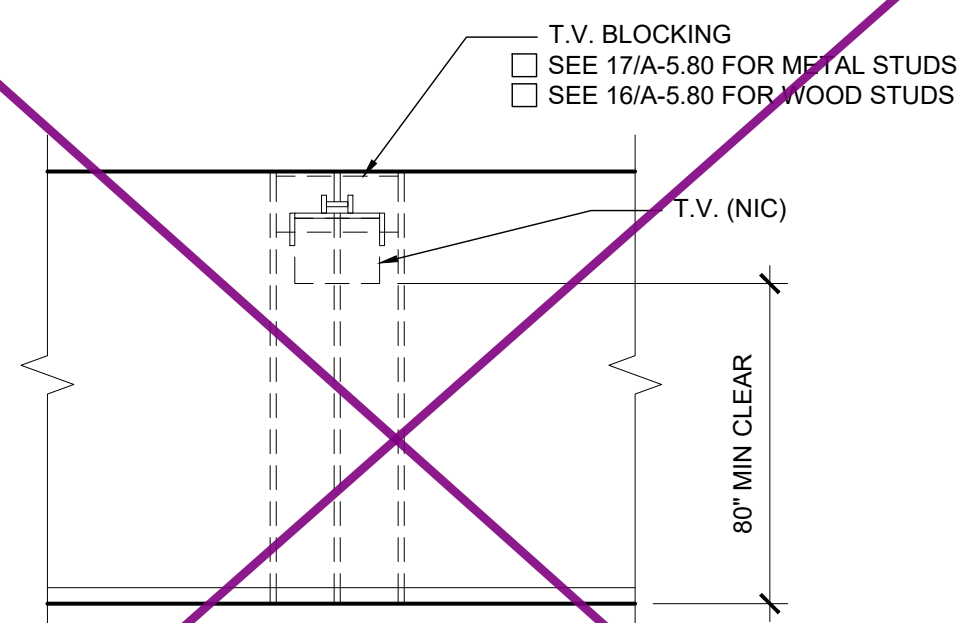
TEACHING WALL OPTION

SCALE: 1/4" = 1'-0" 6



CASEWORK OPTION

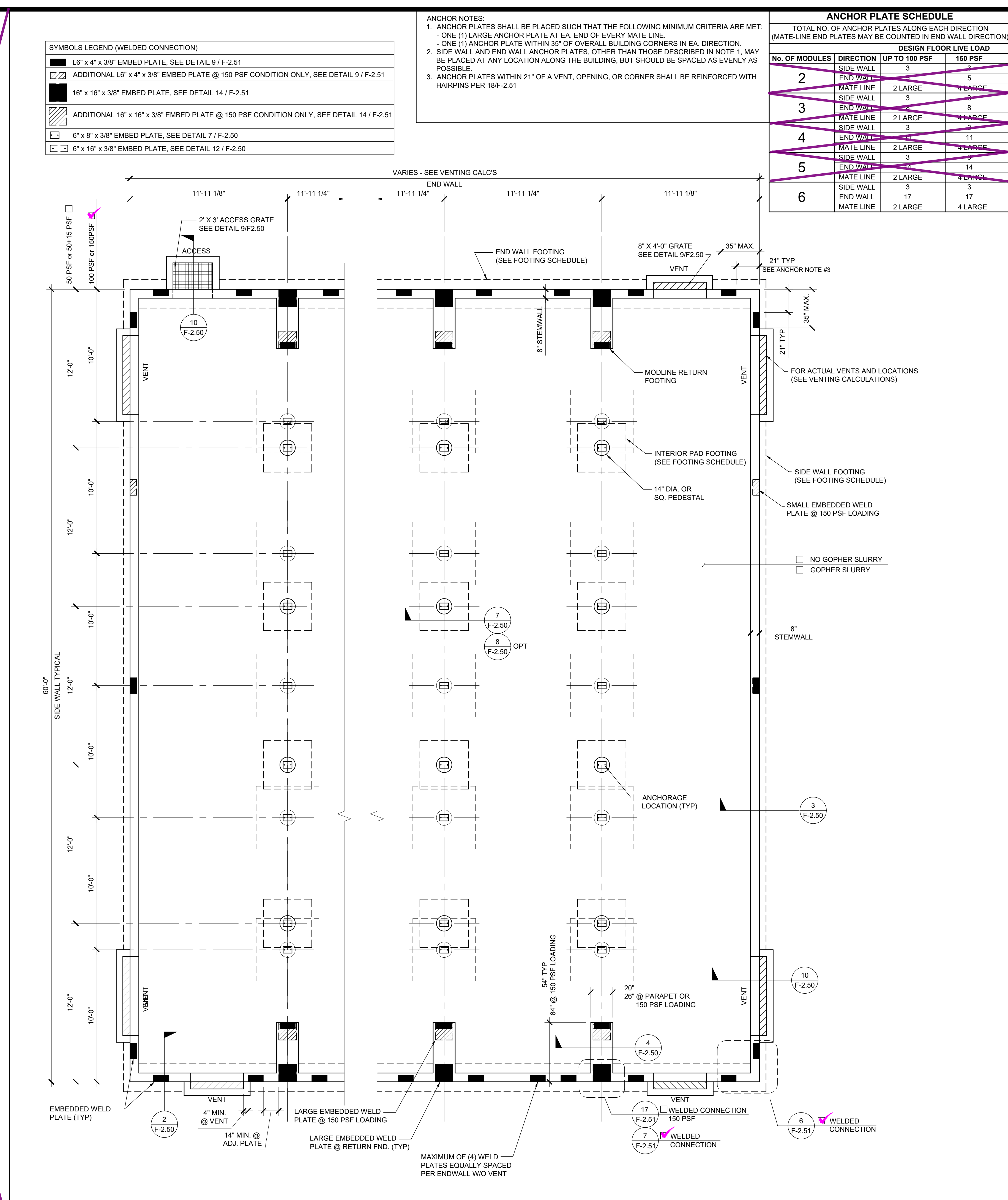
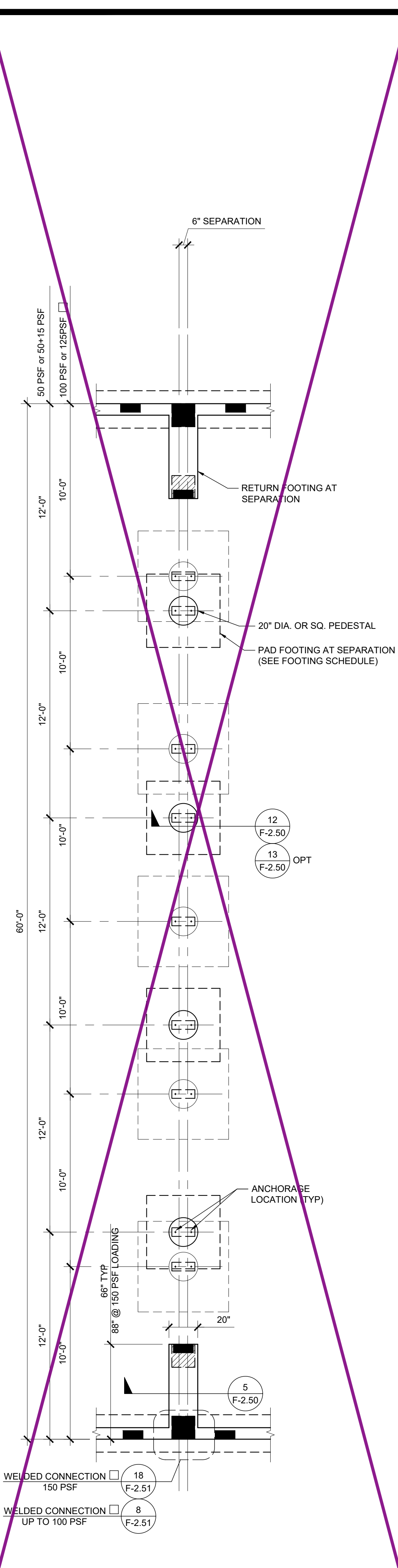
SCALE: 1/4" = 1'-0" A



TELEVISION BLOCKING OPTION

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

REFER TO "N" SHEETS FOR PROJECT SPECIFIC



ANCHOR PLATE SCHEDULE

TOTAL NO. OF ANCHOR PLATES ALONG EACH DIRECTION (MATE-LINE END PLATES MAY BE COUNTED IN END WALL DIRECTION)

No. OF MODULES	DIRECTION	DESIGN FLOOR LIVE LOAD	
		UP TO 100 PSF	150 PSF
2	SIDE WALL	3	3
	END WALL	3	3
3	MATE LINE	2 LARGE	4 LARGE
	SIDE WALL	3	3
4	END WALL	3	3
	MATE LINE	2 LARGE	4 LARGE
5	SIDE WALL	3	3
	END WALL	3	3
6	MATE LINE	2 LARGE	4 LARGE
	SIDE WALL	3	3

VENTING SCHEDULE

VENT "A": (8'-0" x 8" METAL SCREEN COVER)
7'-10" x 5" = 3.26 S.F. VENTILATION

VENT "B": (6'-0" x 8" METAL SCREEN COVER)
5'-10" x 5" = 2.43 S.F. VENTILATION

VENT "C": (4'-0" x 8" METAL SCREEN COVER)
3'-10" x 5" = 1.59 S.F. VENTILATION

ACCESS/VENT "D": (3'-0" x 2'-0" METAL SCREEN COVER)
2'-10" x 18" = 4.25 S.F. VENTILATION

VENTING CALCULATION:

24' x 60' BUILDING: 24' x 60' = 1440 SF / 150 = 9.6 SF VENT. REQ'D

24' x 60' BUILDING: 24' x 60' = 1440 SF / 150 = 9.6 SF VENT. REQ'D

36' x 60' BUILDING: 36' x 60' = 2160 SF / 150 = 14.4 SF VENT. REQ'D

48' x 60' BUILDING: 48' x 60' = 2880 SF / 150 = 19.2 SF VENT. REQ'D

60' x 60' BUILDING: 60' x 60' = 3600 SF / 150 = 24 SF VENT. REQ'D

72' x 60' BUILDING: 72' x 60' = 4320 SF / 150 = 28.8 SF VENT. REQ'D

FOOTING SCHEDULE

DESIGN FLOOR LIVE LOAD	SIDEWALL FOOTING	ENDWALL FOOTING	INTERIOR PAD FOOTING	PAD FOOTING AT SEPARATION
50 PSF	12" WIDE (2) #5 CONT T&B	22" WIDE (4) #5 CONT T&B	3'-3" SQ (3) #5 EW	4'-3" SQ (4) #5 EW
50 + 15 PSF	12" WIDE (2) #5 CONT T&B	22" WIDE (4) #5 CONT T&B	3'-6" SQ (3) #5 EW	4'-6" SQ (4) #5 EW
100 PSF	12" WIDE (2) #5 CONT T&B	24" WIDE (4) #5 CONT T&B	3'-6" SQ (3) #5 EW	4'-6" SQ (4) #5 EW
150 PSF	16" WIDE (2) #5 CONT T&B	24" WIDE (4) #5 CONT T&B	4'-3" SQ (4) #5 EW	5'-0" SQ (5) #5 EW

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SILVER CREEK
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**CONCRETE
FOUNDATION PLAN
BELOW GRADE
CONCRETE FLOOR**

REGISTERED PROFESSIONAL ENGINEER
JOHN W. STARBUCK
STRUCTURAL
STATE OF CALIFORNIA

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
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F-2.11

FOOTING AT SEPARATION SCALE: 1/4" = 1'-0" 2

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

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IMPERIAL VALLEY COLLEGE
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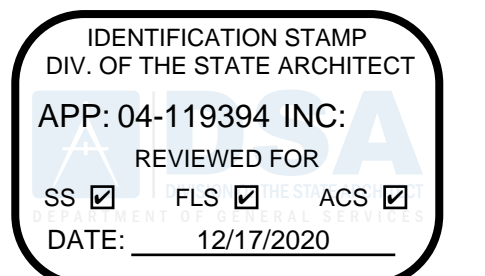
SHEET TITLE:

CONCRETE
FOUNDATION DETAILS
BELOW GRADE

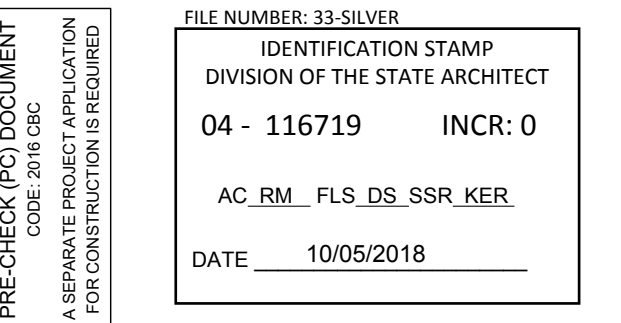


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SILVER CREEK INDUSTRIES
24' x 60' PC

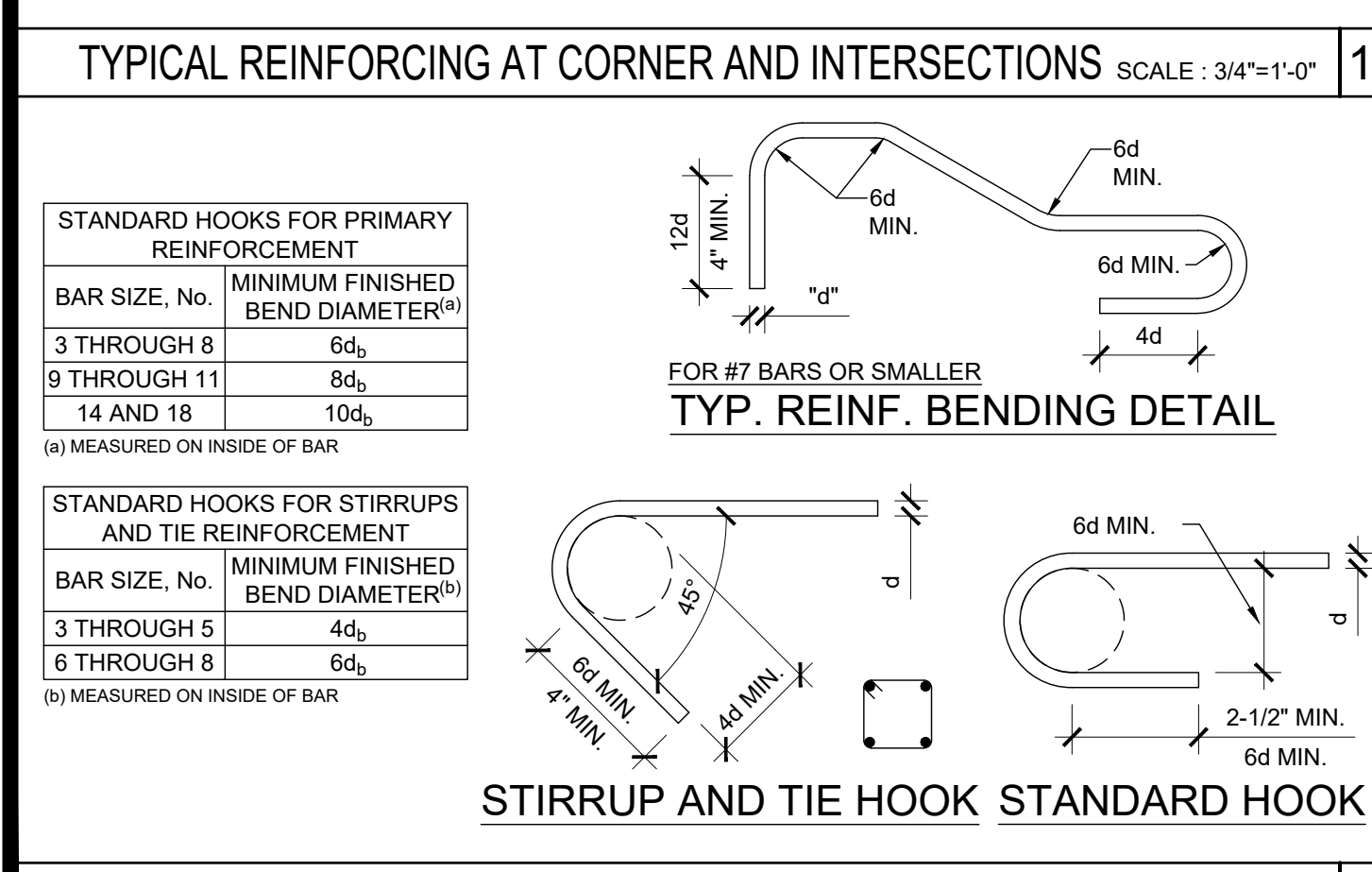
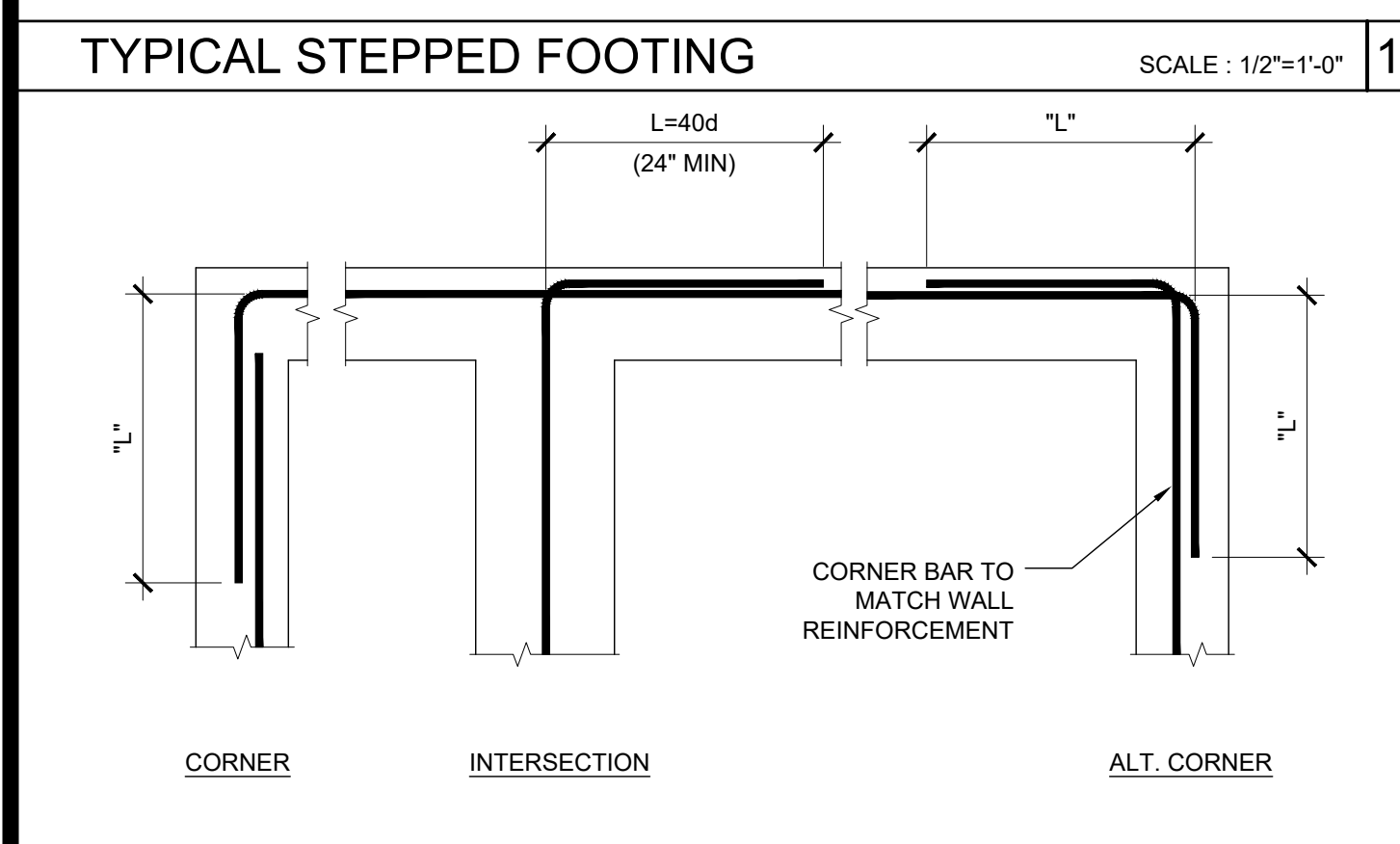
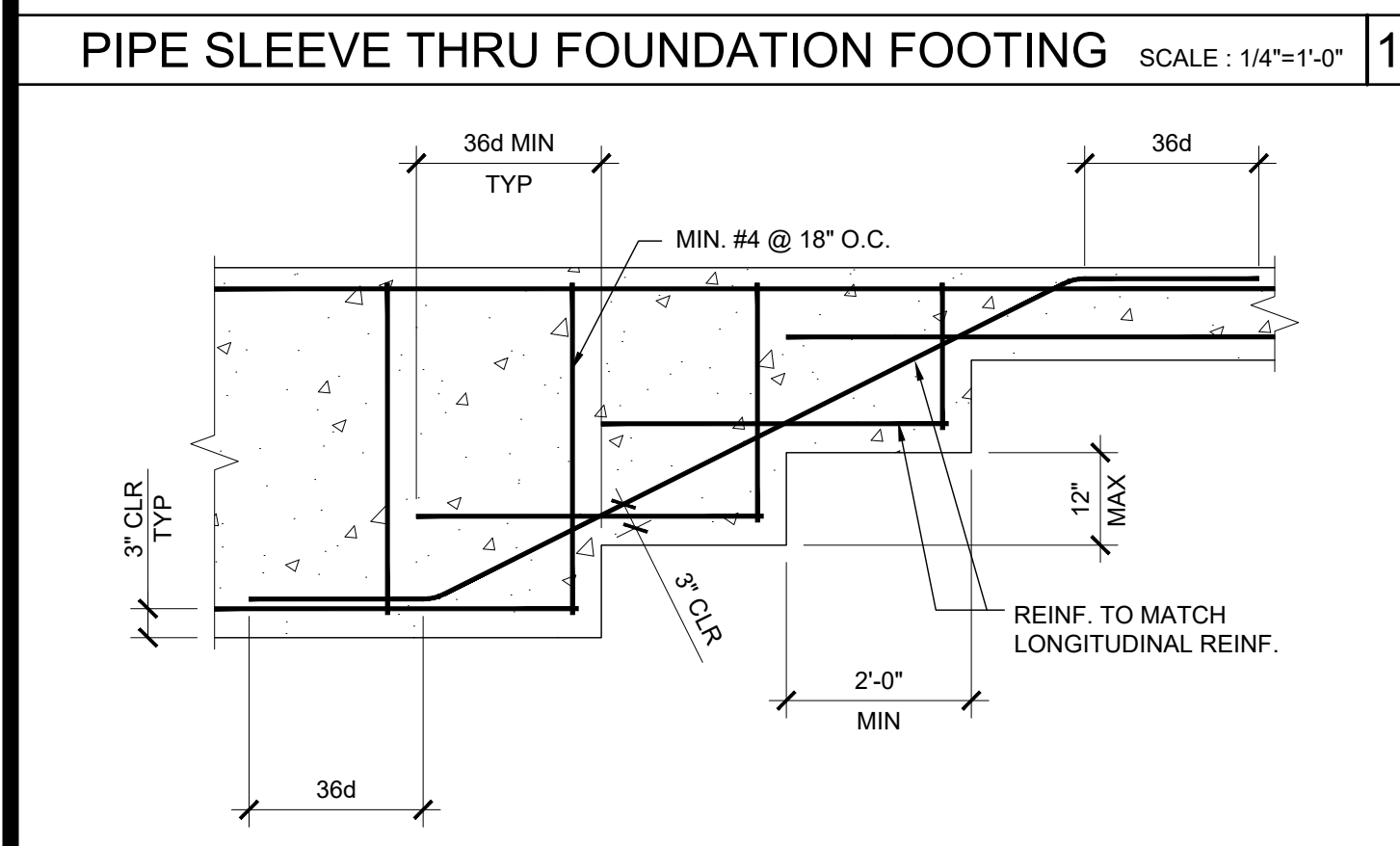
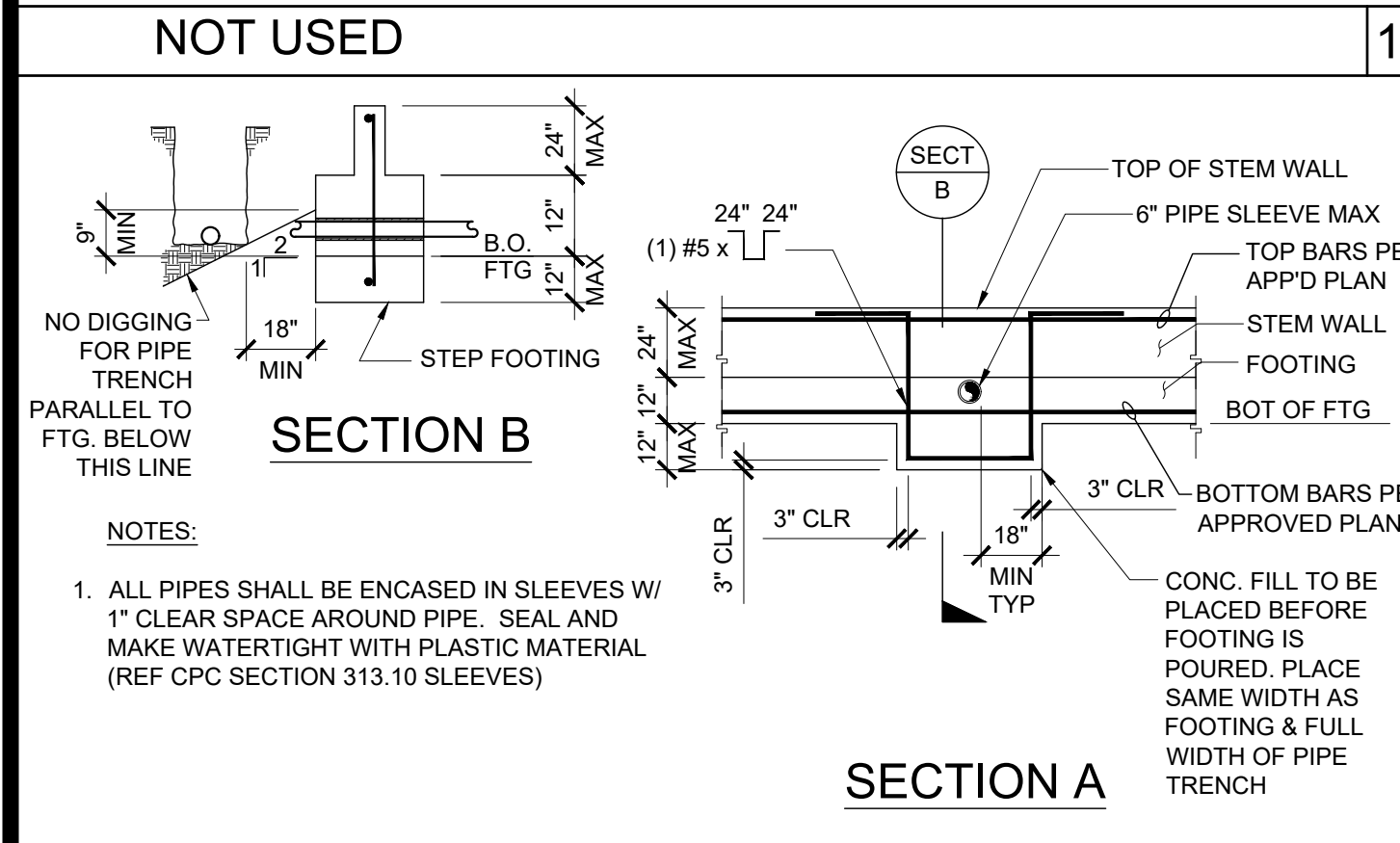
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F-2.50

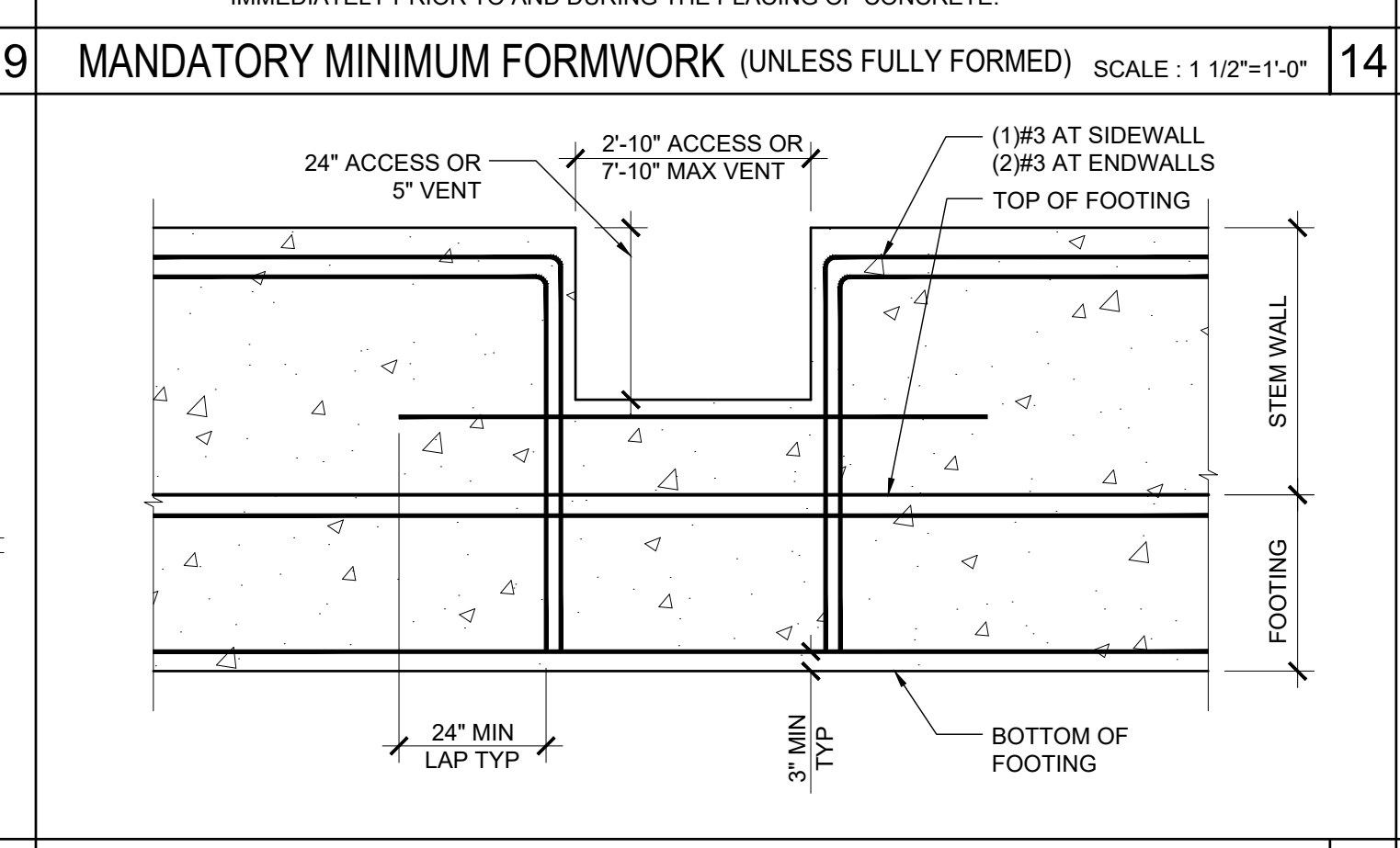
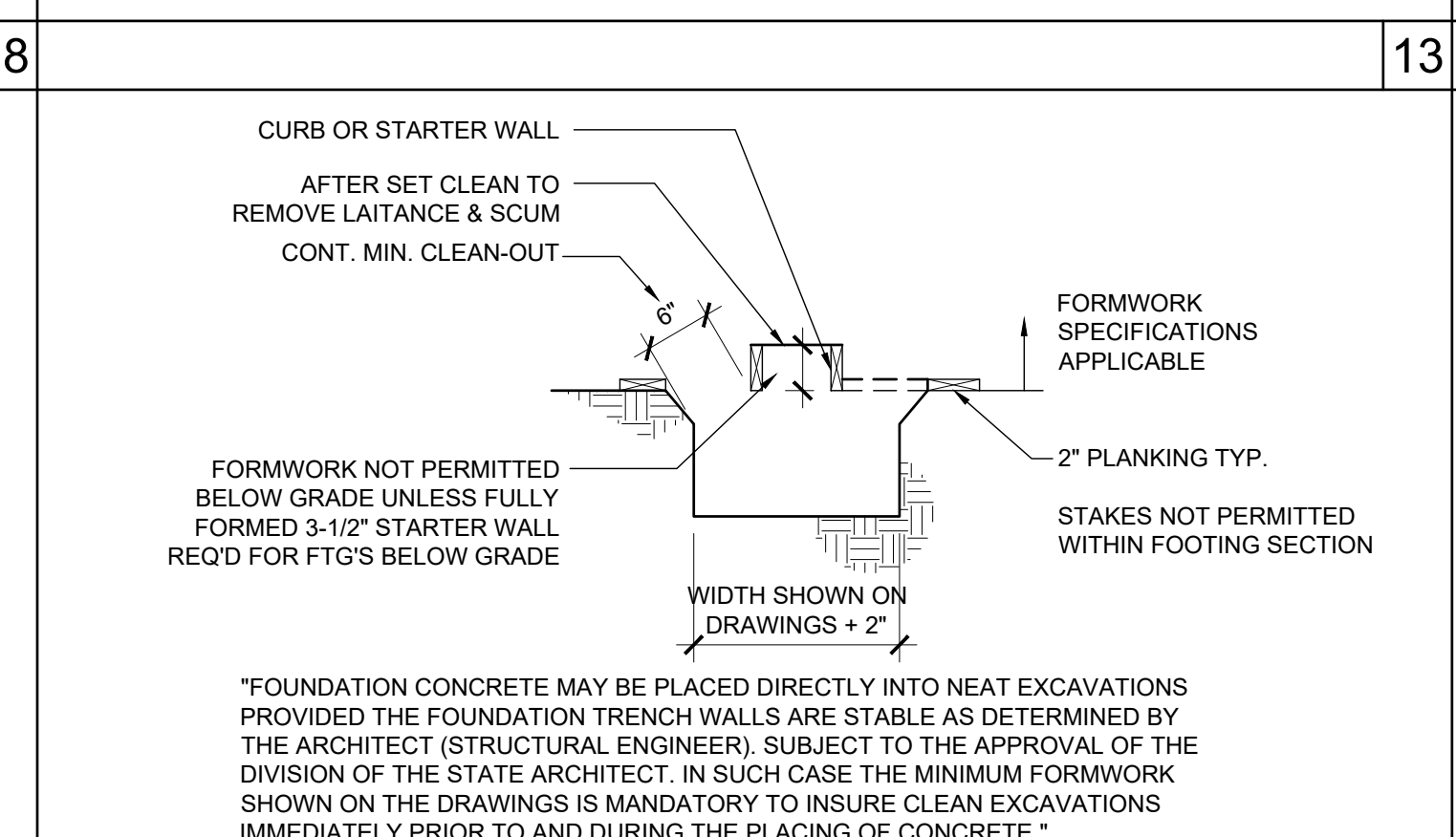
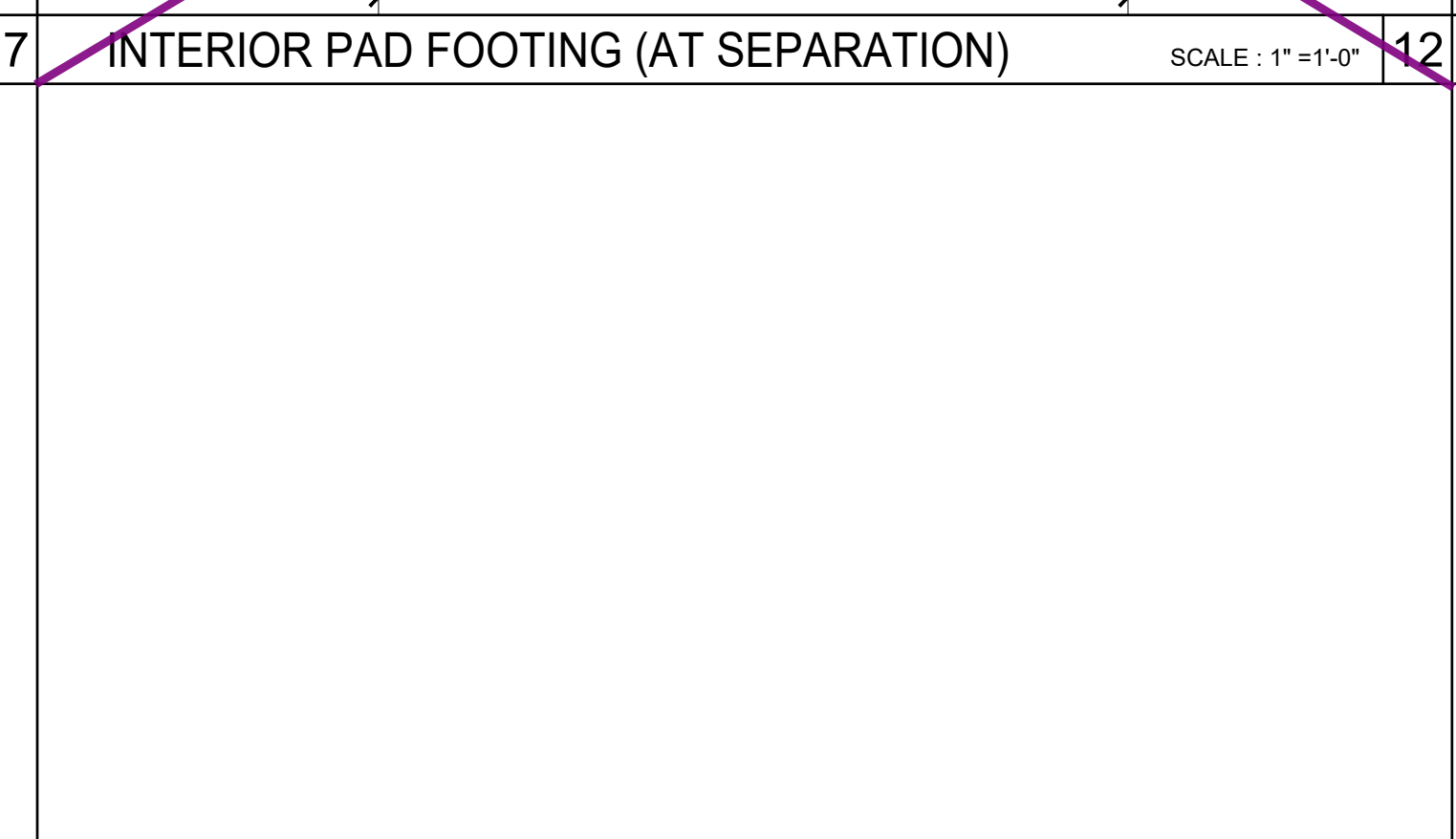
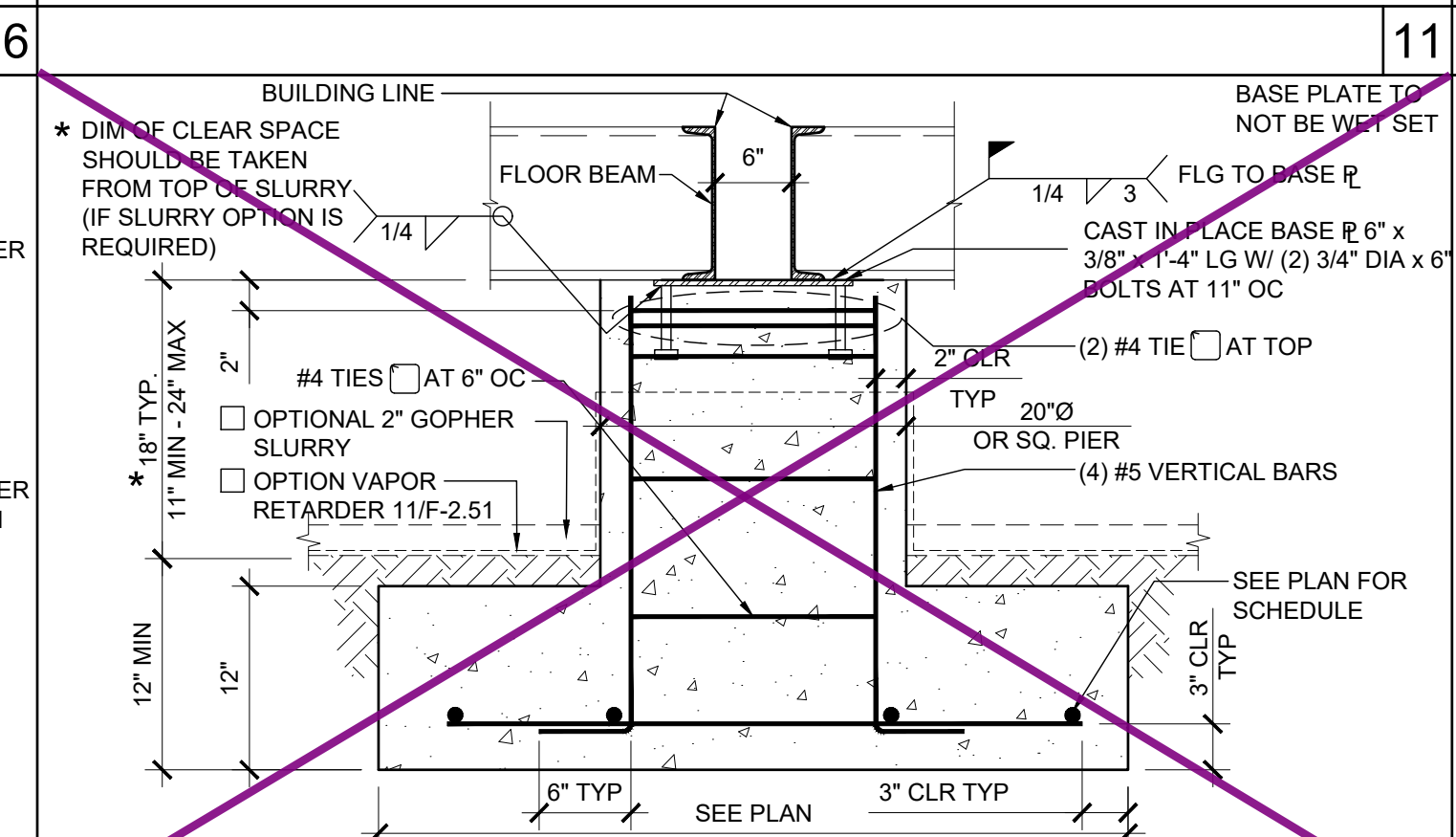
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NOT USED

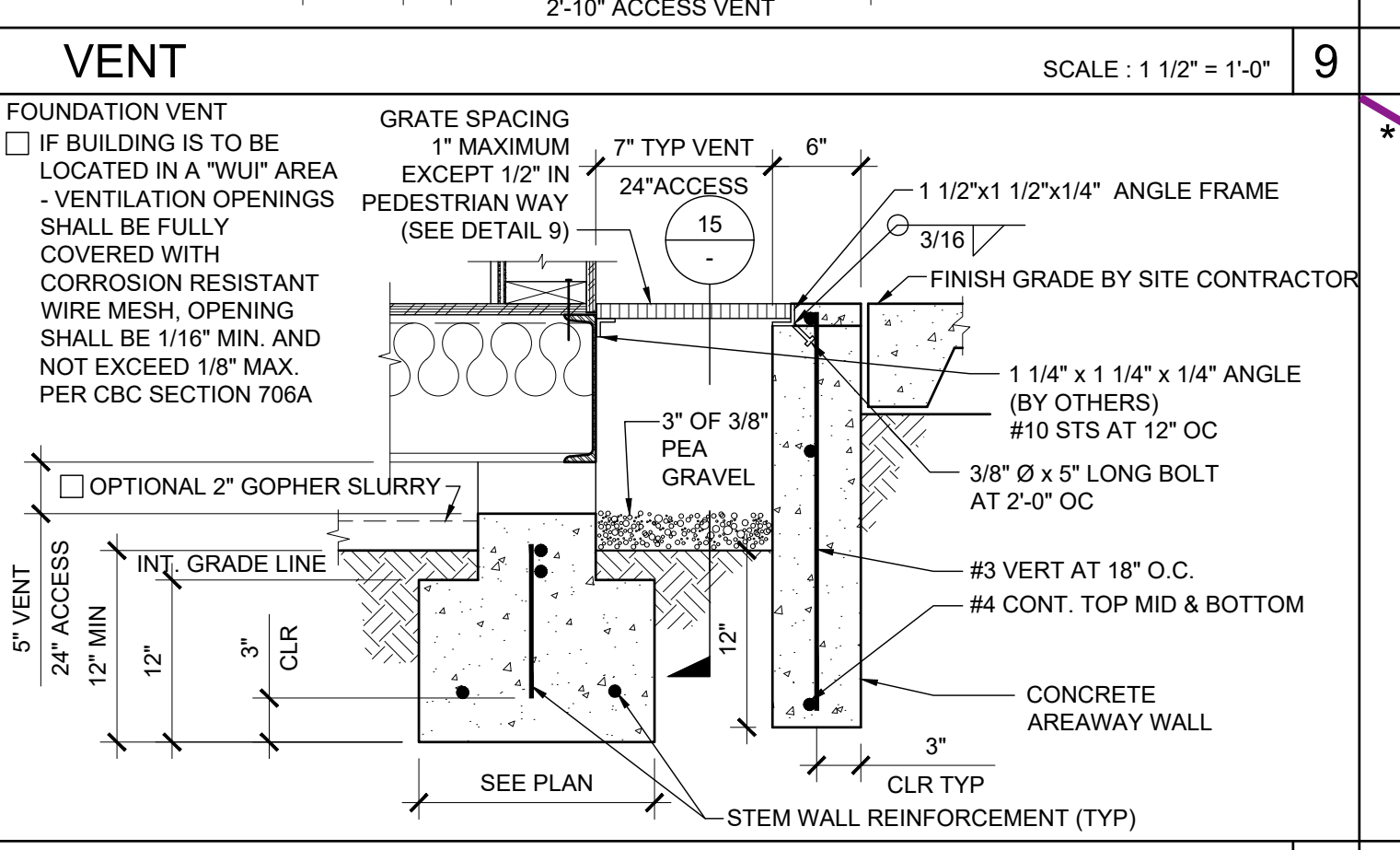
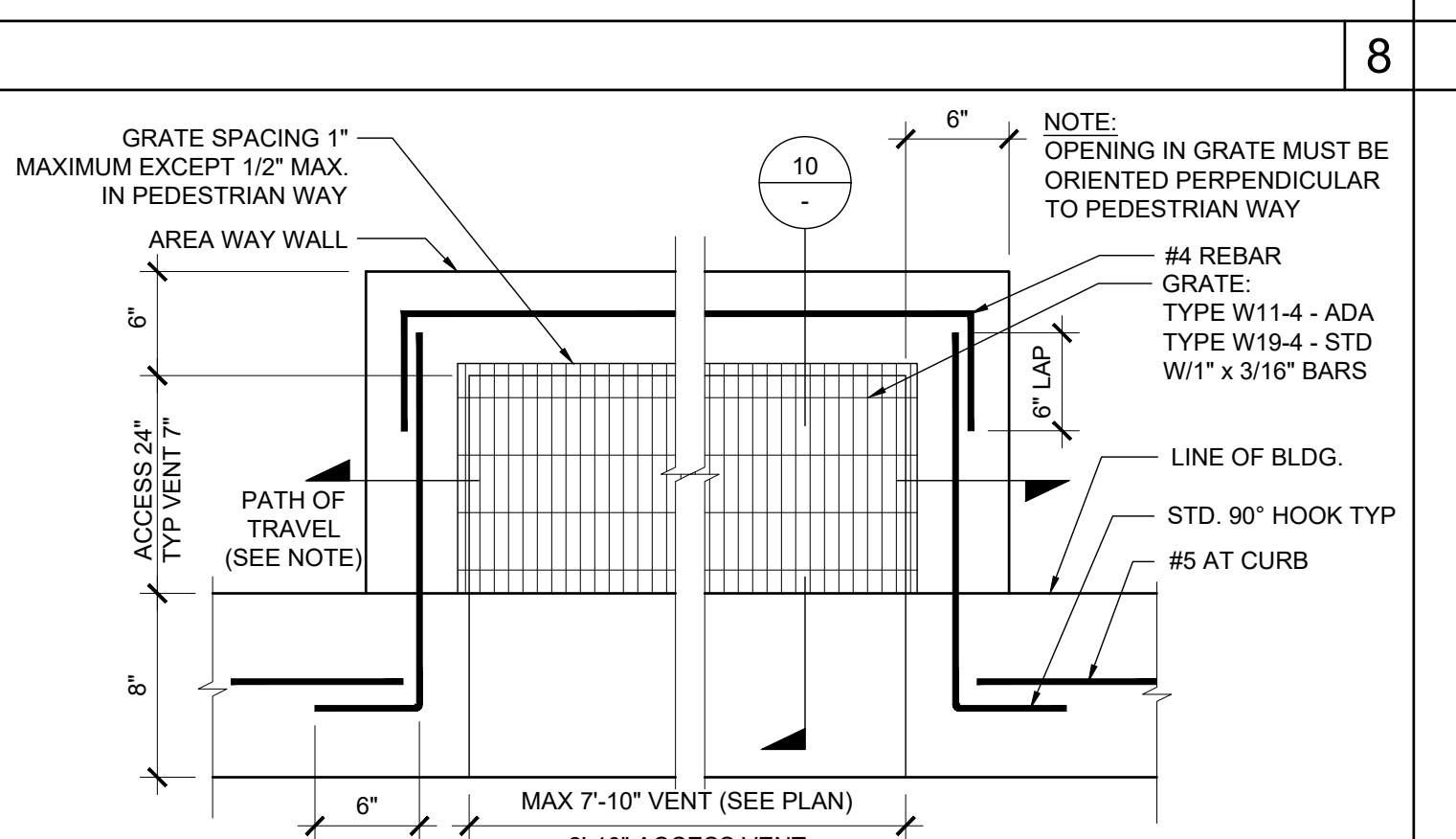
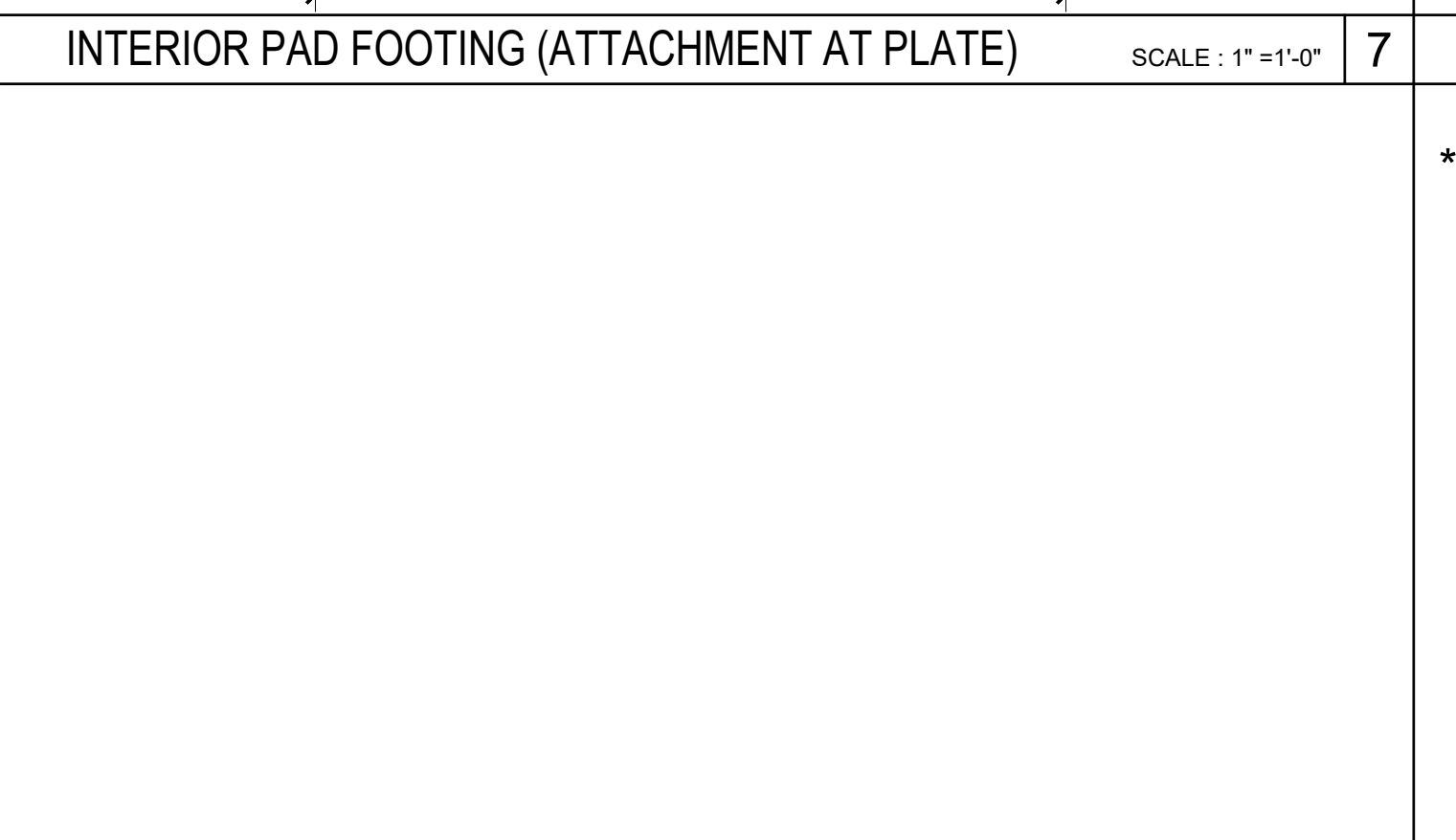
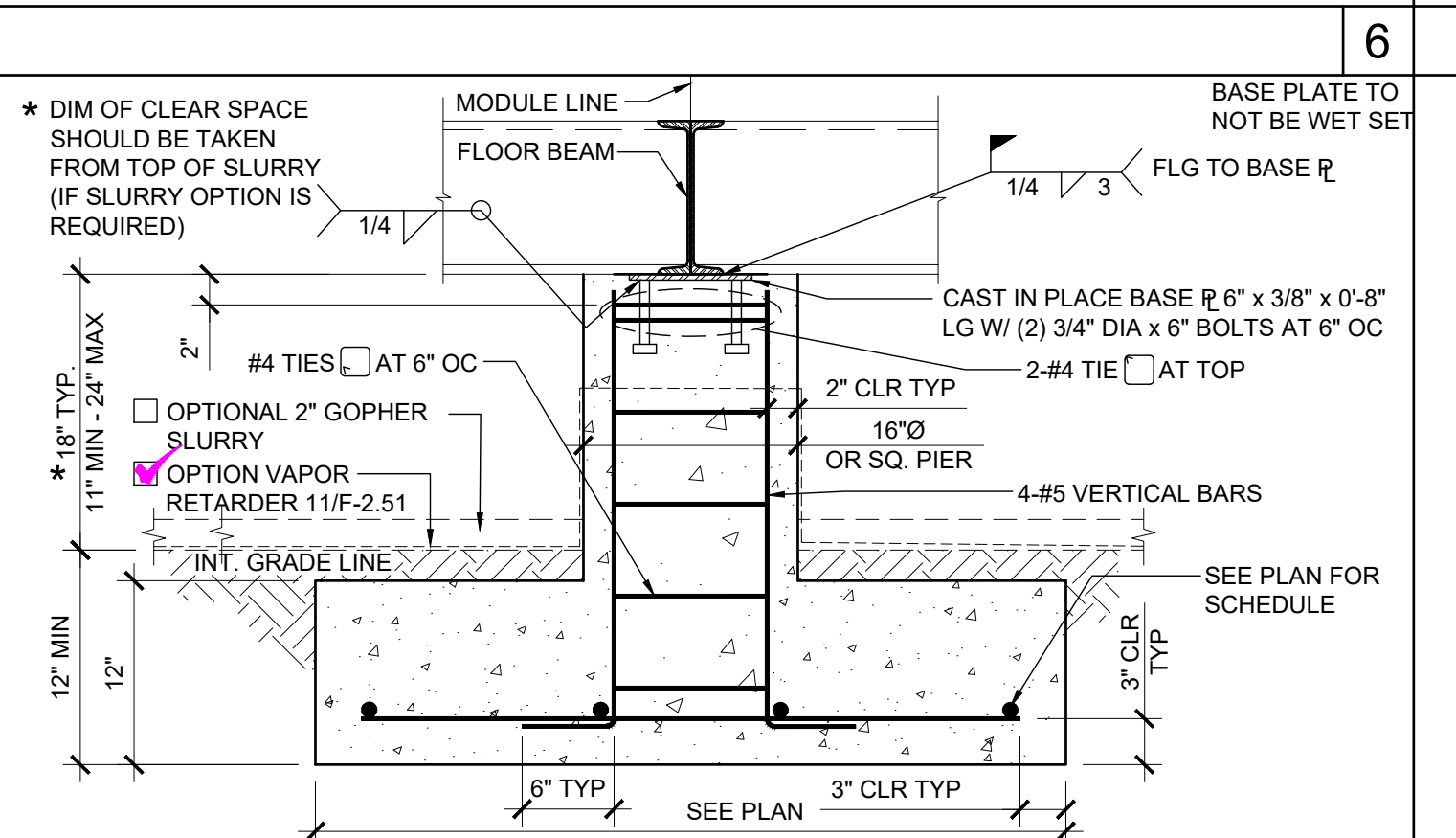


TYPICAL REINFORCING BENDING DETAILS SCALE: 1 1/2" = 1'-0" 20

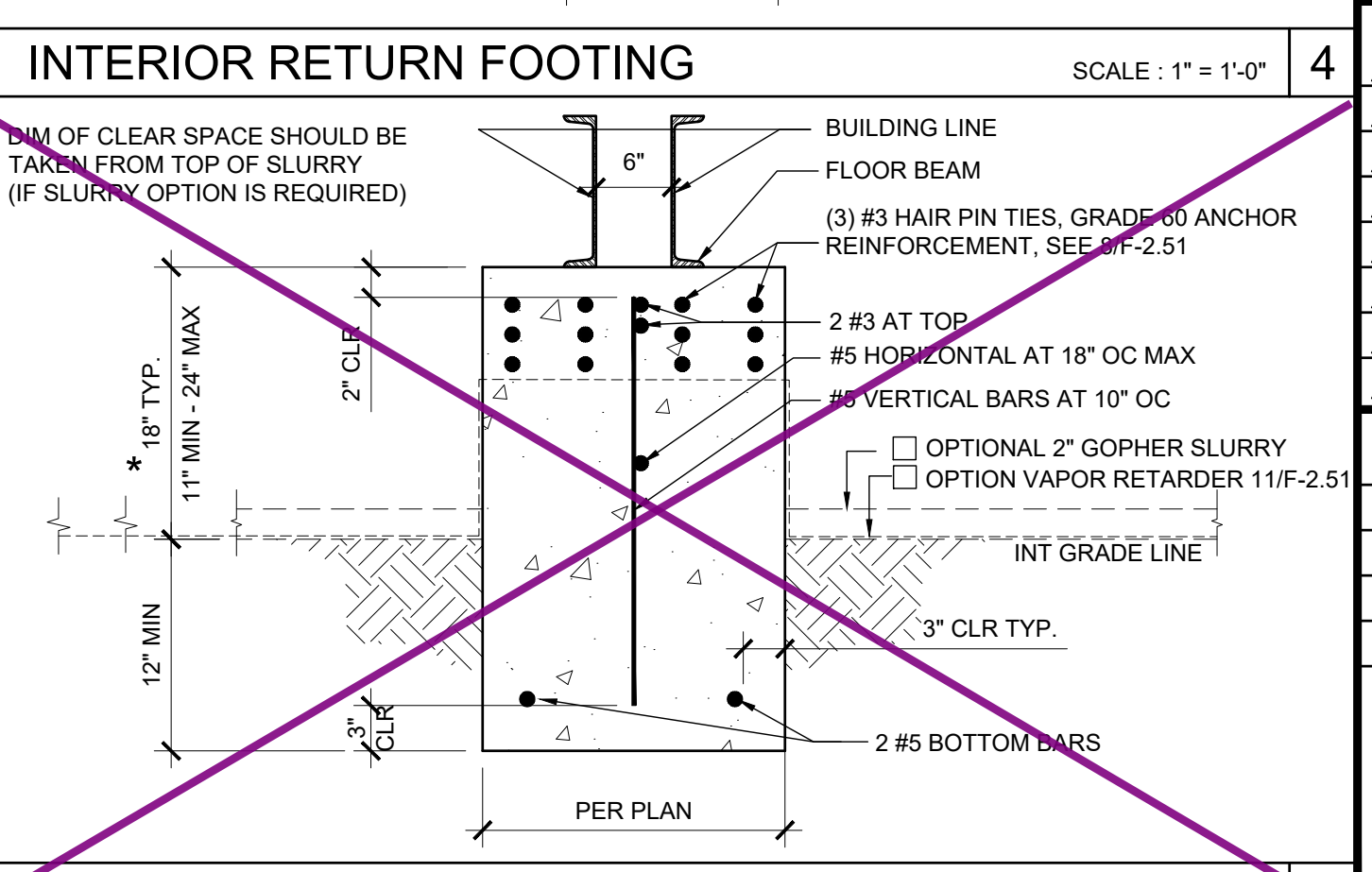
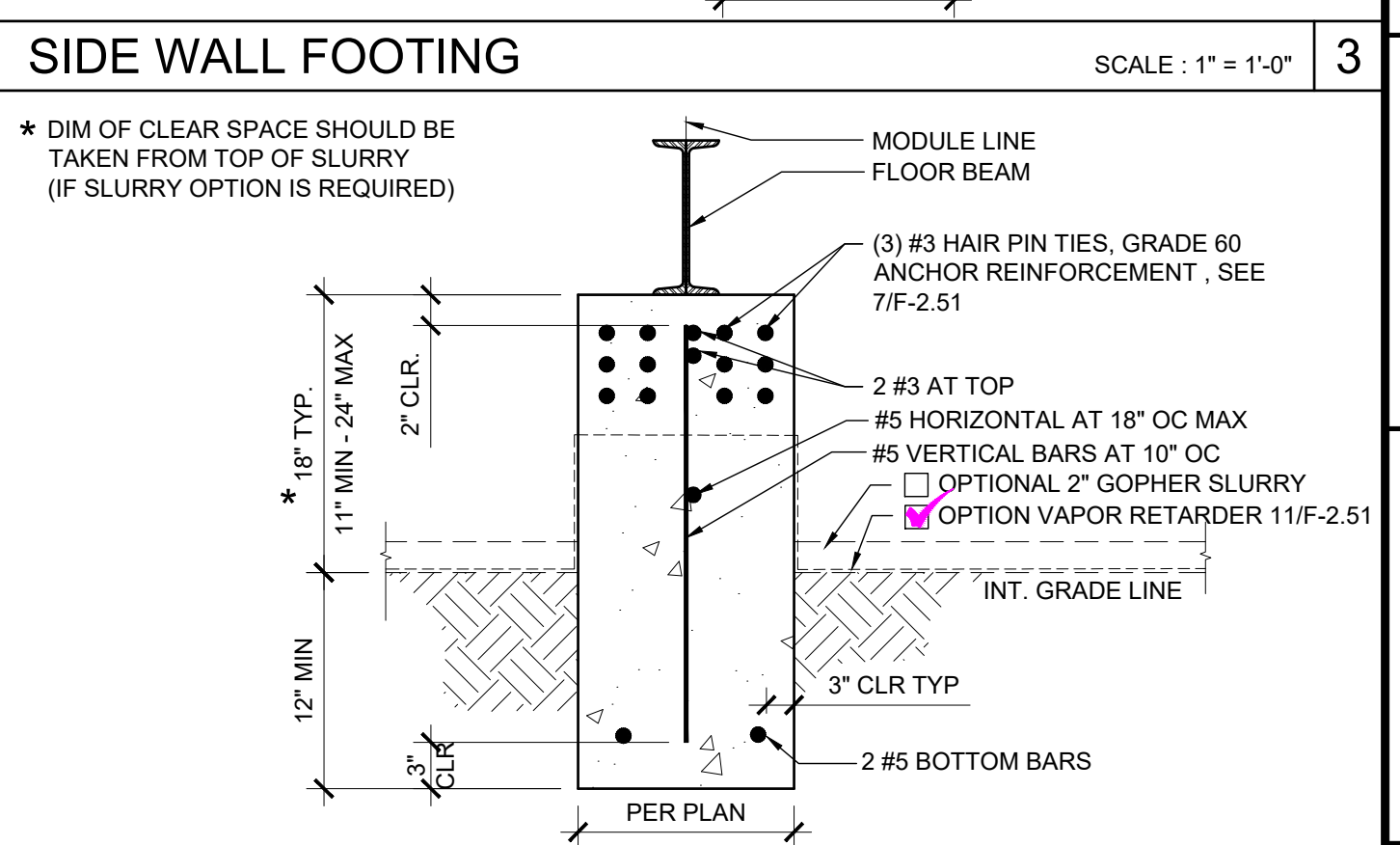
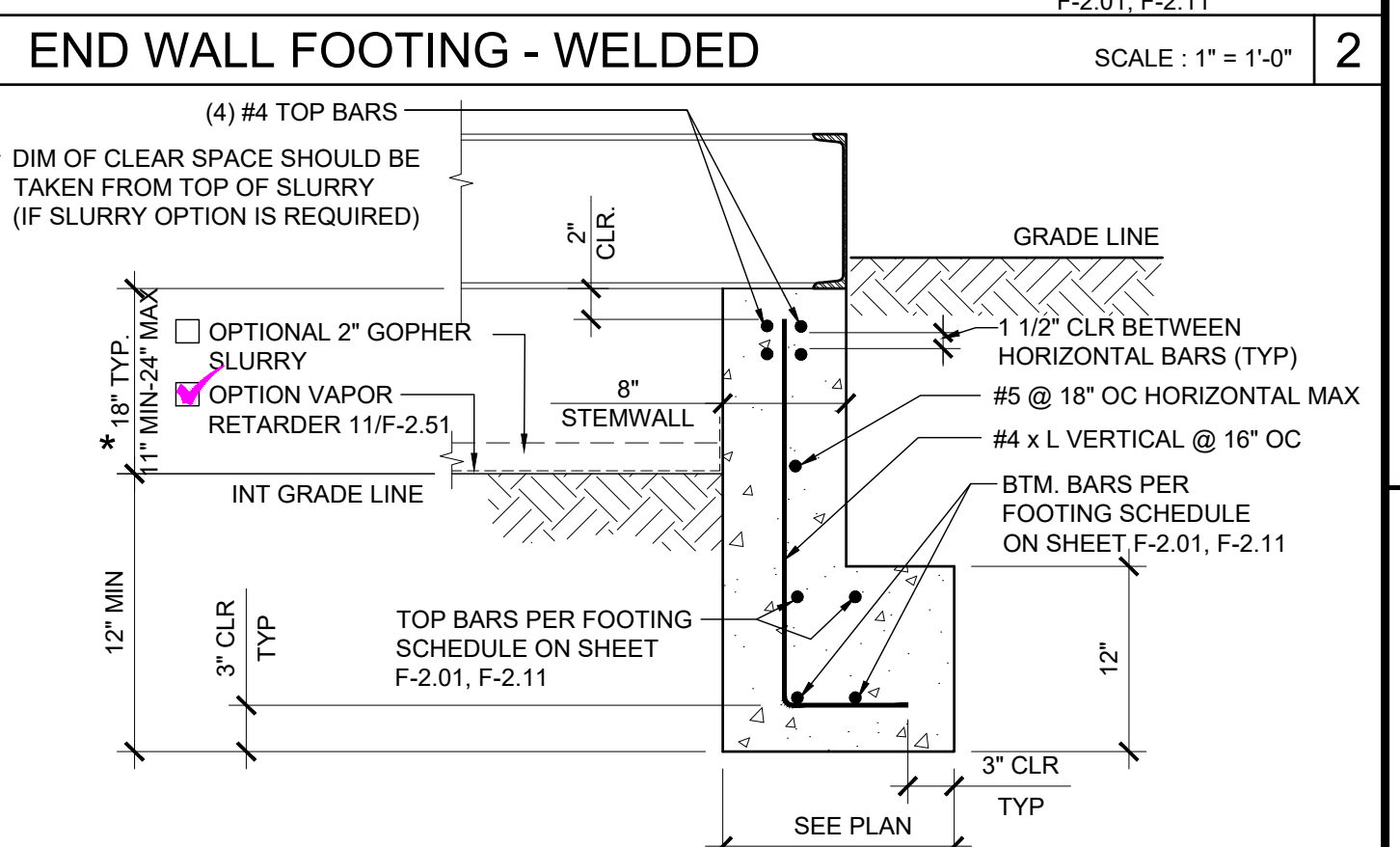
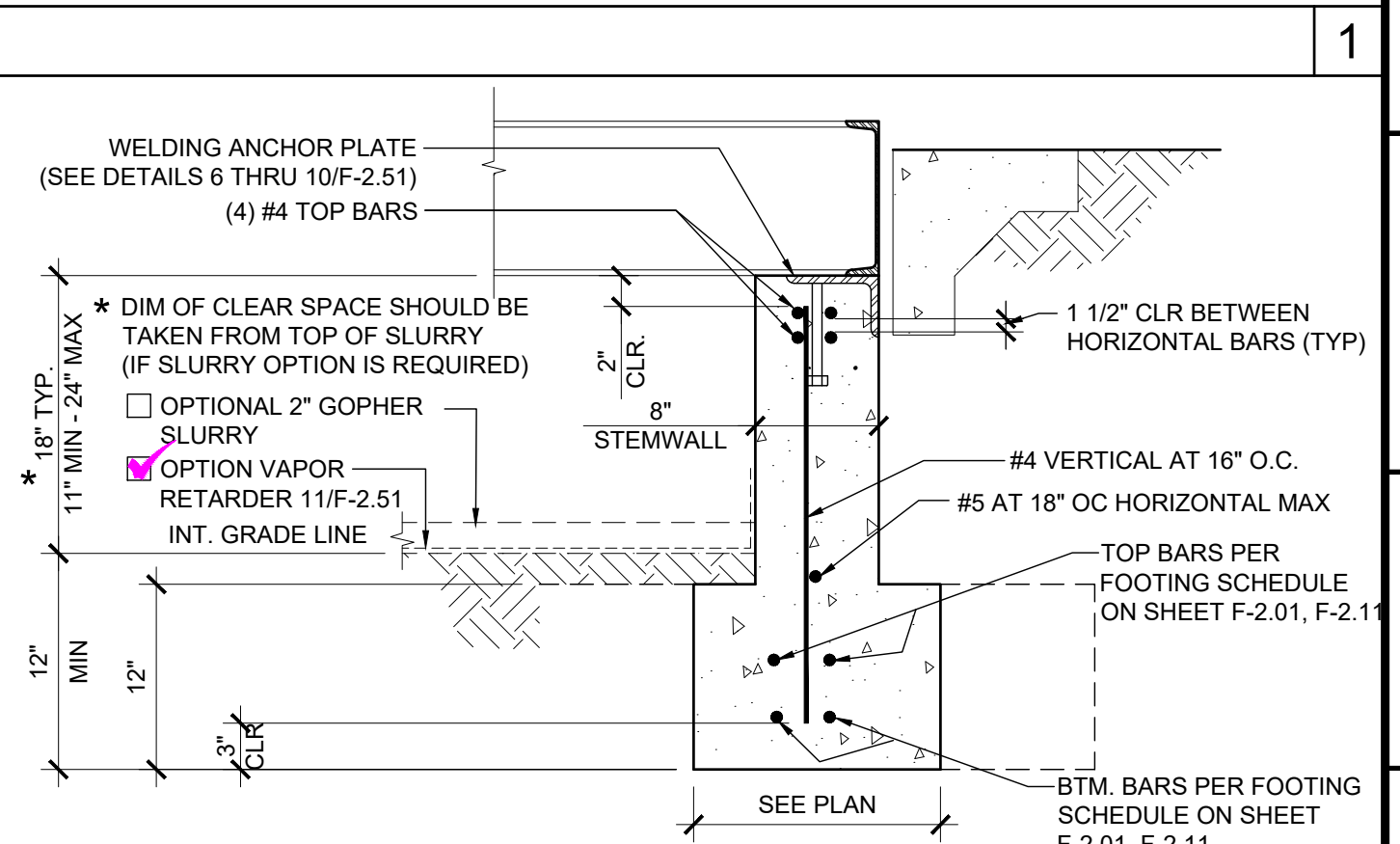
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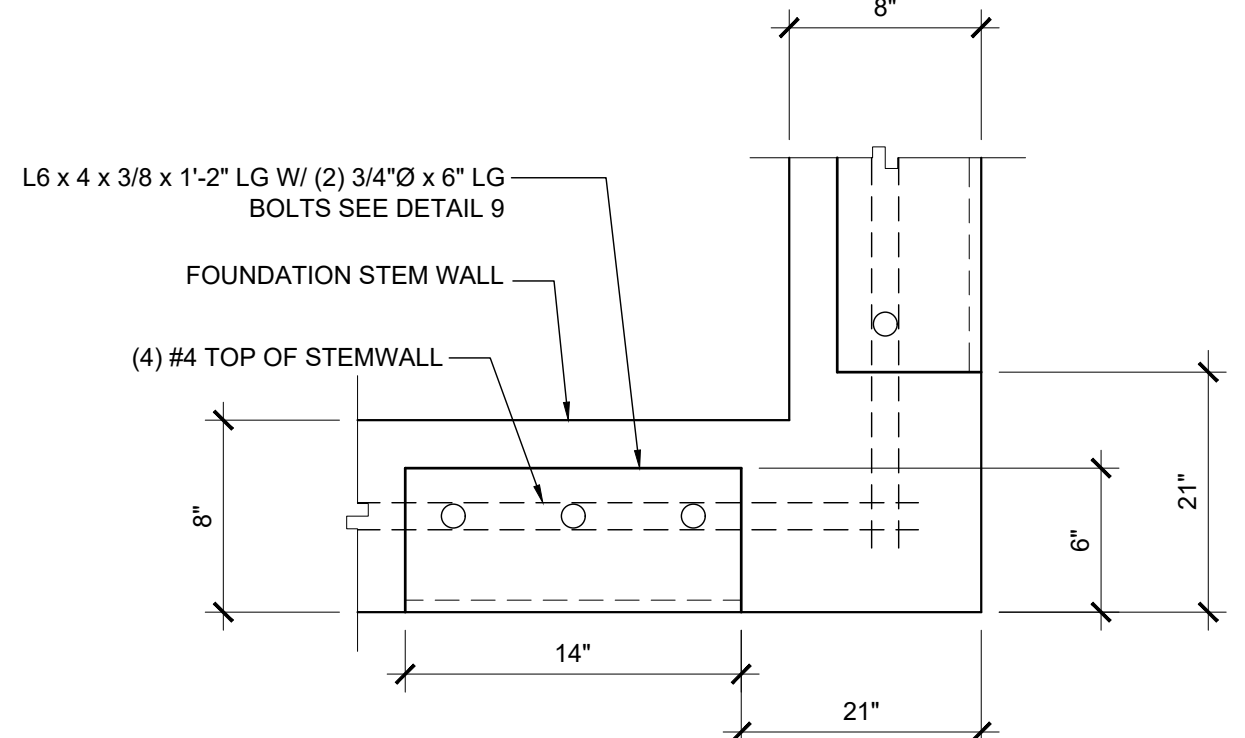
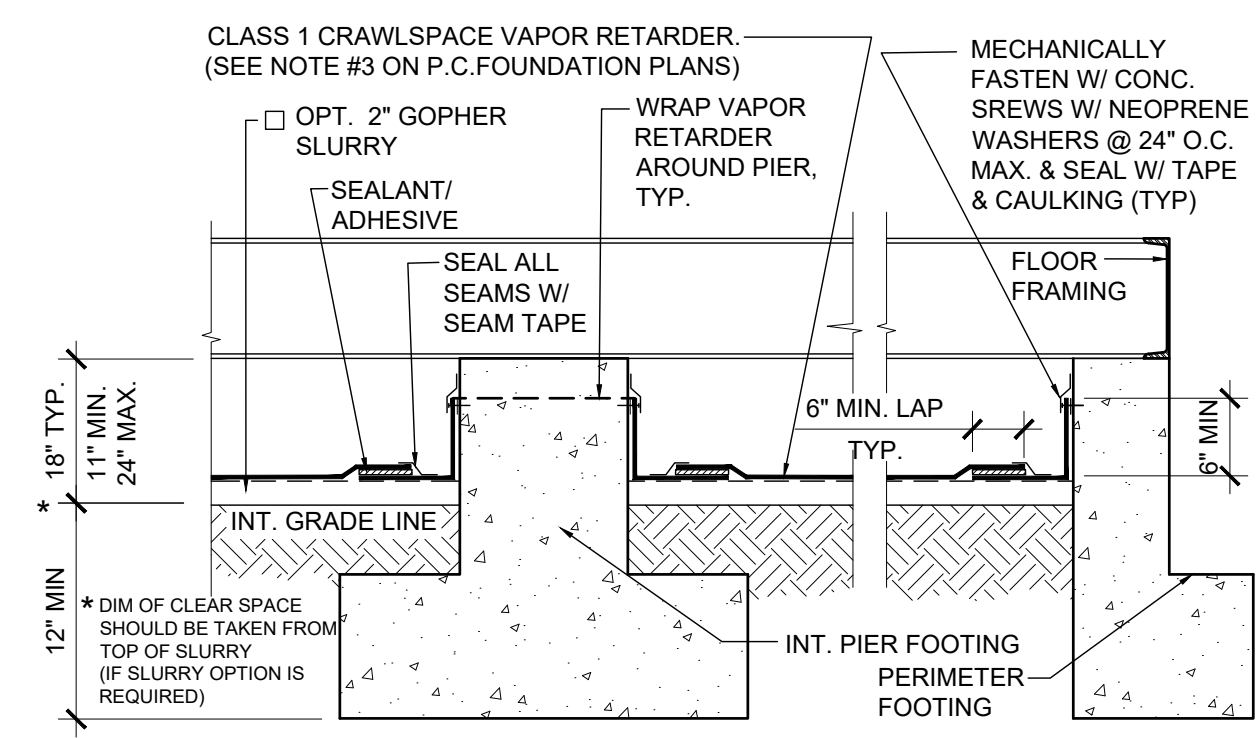
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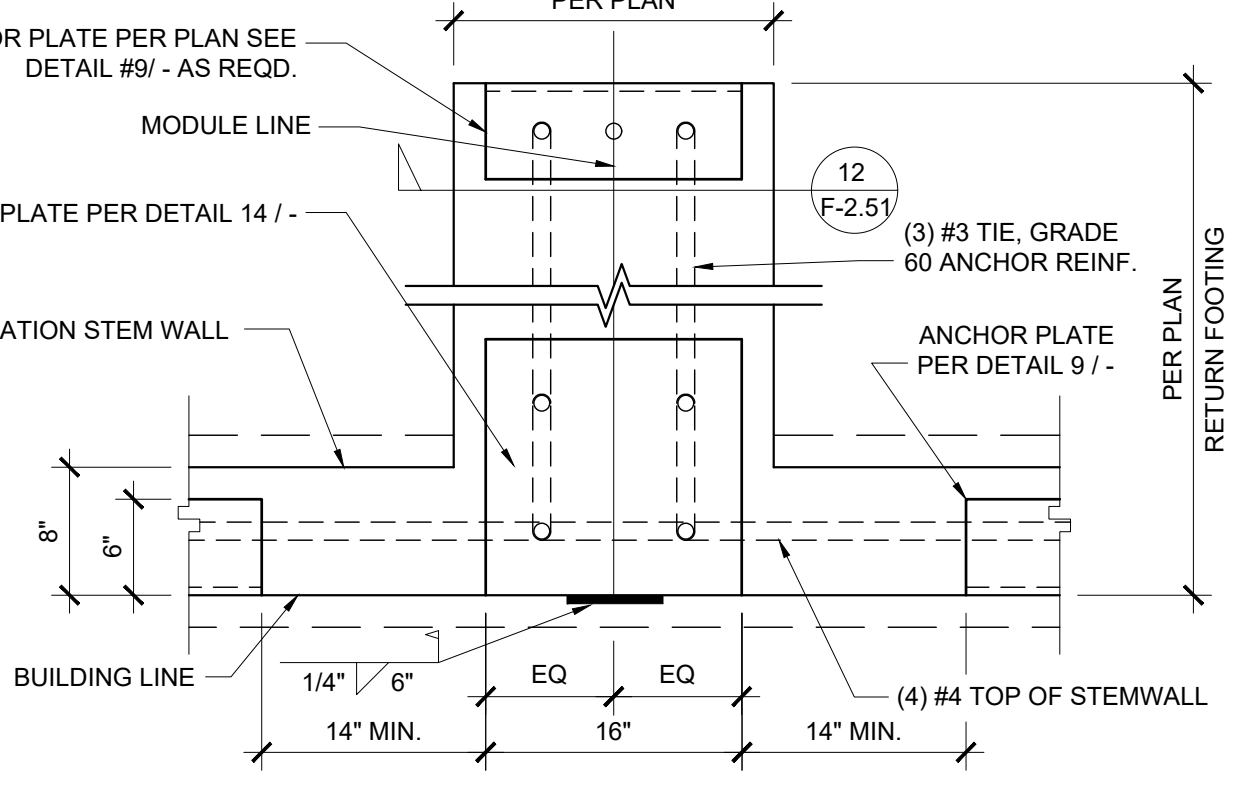
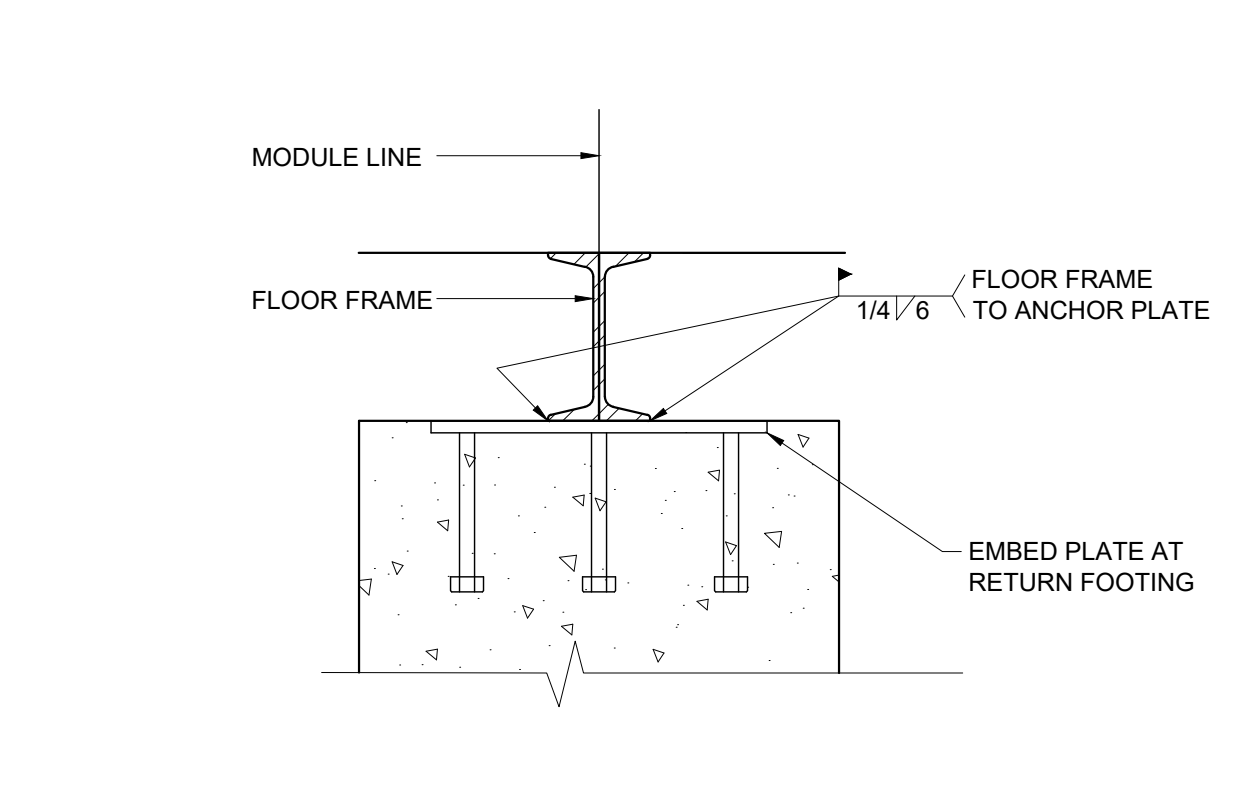


INTERIOR RETURN FOOTING AT SEPARATION SCALE: 1"=1'-0" 5



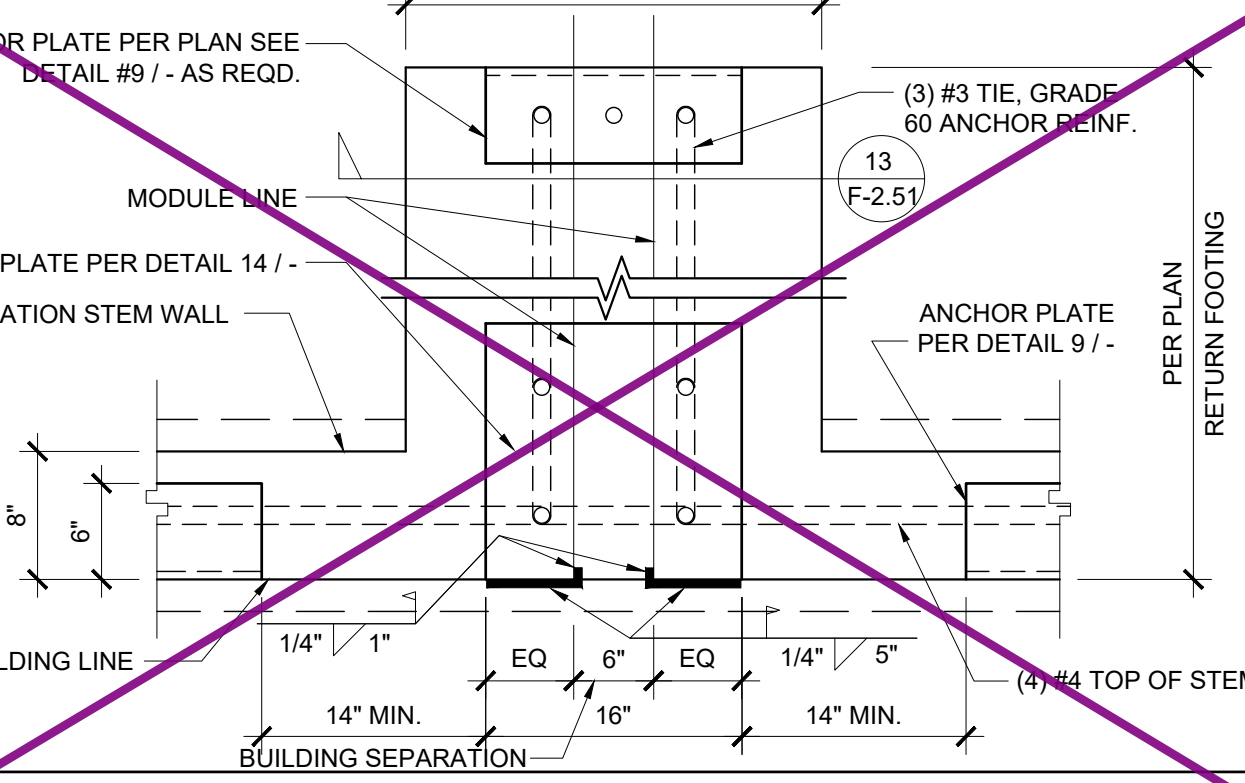
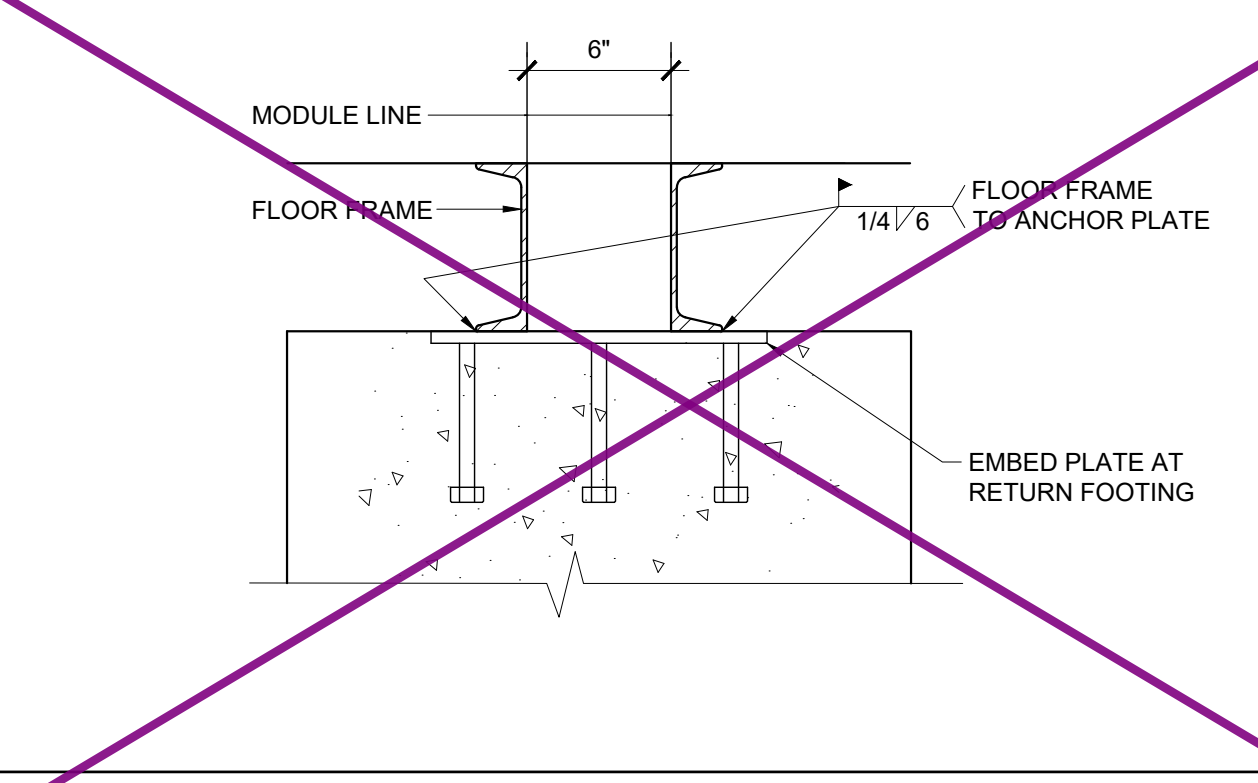
16 CRAWL SPACE VAPOR RETARDER SCALE: 3/4" = 1'-0"

11 ANCHOR PLATE AT CORNER SCALE: 1 1/2" = 1'-0"



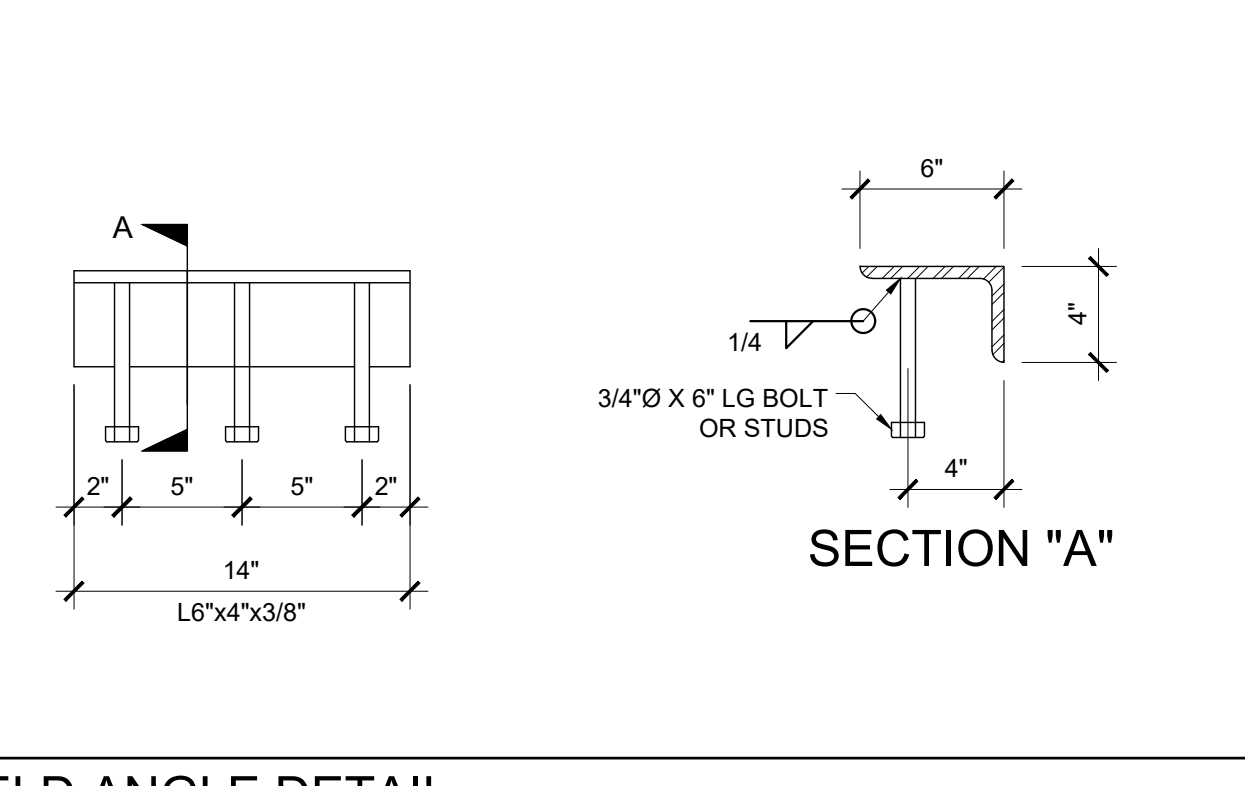
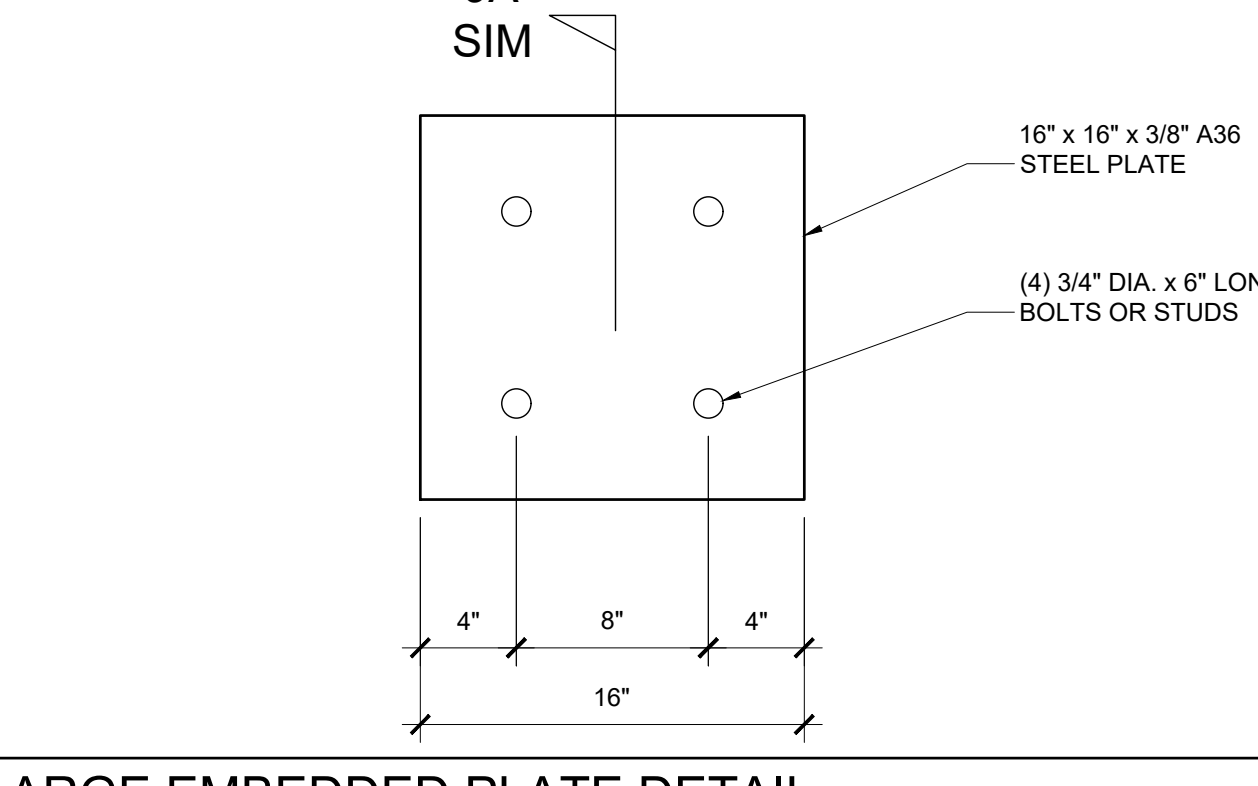
17 ANCHOR PLATE AT MODLINE, 150 PSF SCALE: 1" = 1'-0"

7 ANCHOR PLATE AT MODULE LINE UP TO 100 PSF SCALE: 1" = 1'-0"



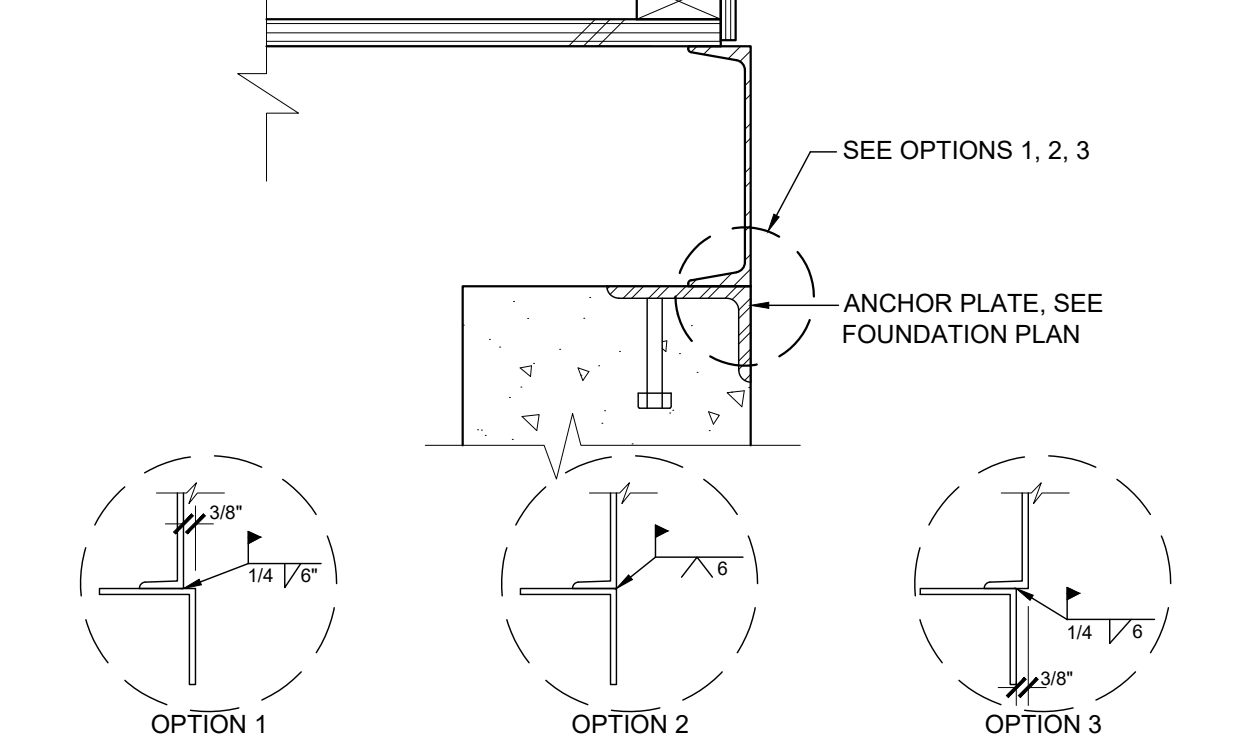
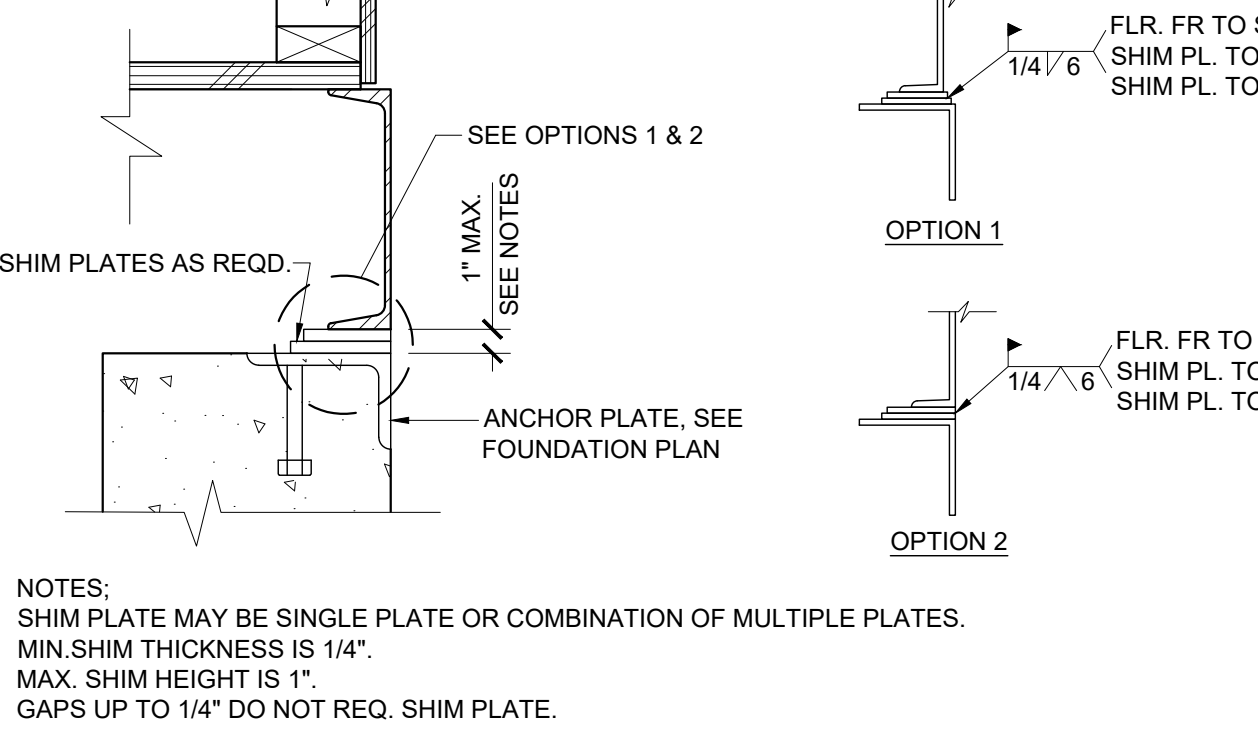
18 ANCHOR PLATE AT SEPERATION, 150 PSF SCALE: 1" = 1'-0"

8 ANCHOR PLATE AT SEPERATION UP TO 100 PSF SCALE: 1" = 1'-0"



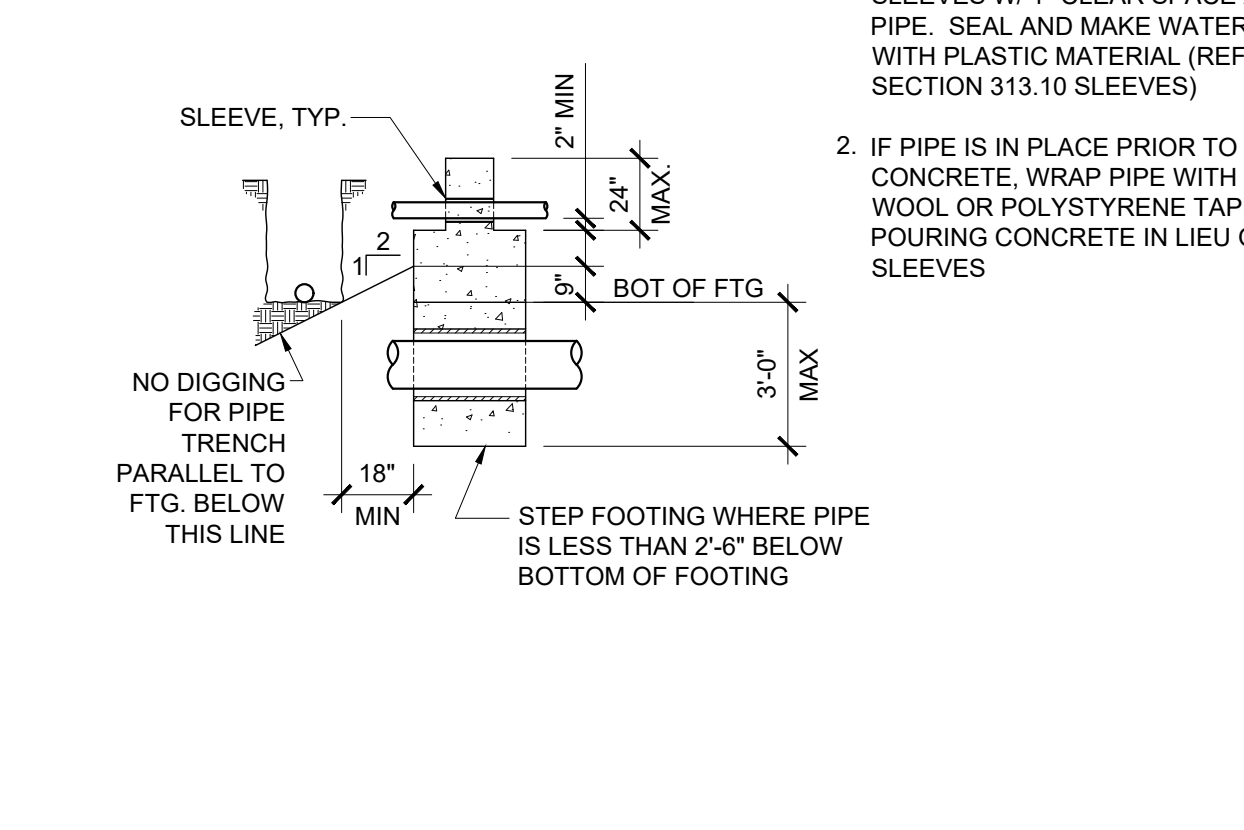
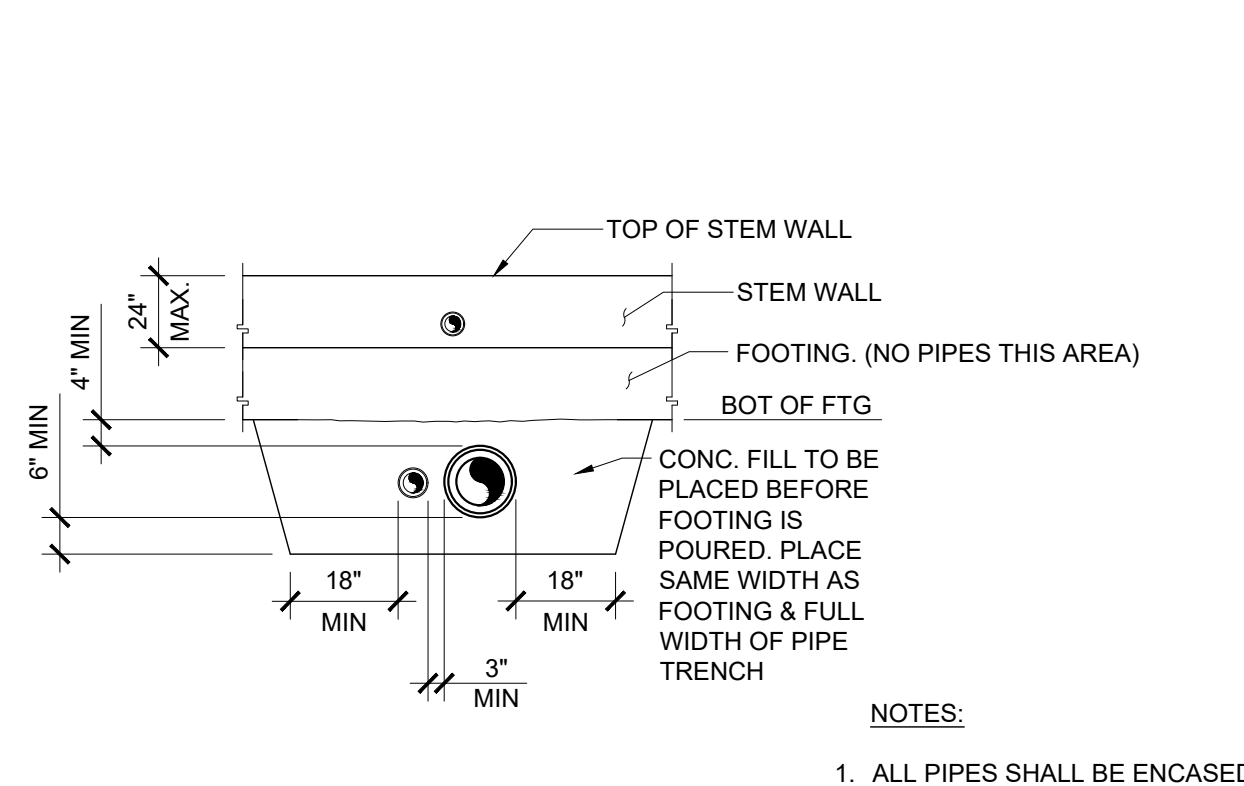
19 ANCHOR PLATE AT SIDEWALL OR ENDWALL @ VENT SCALE: N.T.S.

9 WELD ANGLE DETAIL SCALE: 1 1/2" = 1'-0"



20 FOUNDATION WELDING W/ SHIM PLATES SCALE: N.T.S.

15 FOUNDATION - WELDED SCALE: 1 1/2" = 1'-0"



10 PIPE SLEEVE DETAIL SCALE: 1/4" = 1'-0"

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Building for the Next Generation

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PHONE: 951-943-5393 FAX: 951-943-2211

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IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**FOUNDATION
DETAILS
CONCRETE**



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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18
P.C. SHEET NUMBER
F-2.51

STRUCTURAL SPECIFICATIONS

FOUNDATIONS:
 GEOTECHNICAL INVESTIGATIONS SHALL BE CONDUCTED IN ACCORDANCE WITH SECTIONS 1803A.3 THROUGH 1803A.8. EXCEPTIONS, 1) GEOTECHNICAL REPORTS ARE NOT REQUIRED FOR ONE-STORY, WOOD-FRAME AND LIGHT-STEEL-FRAME BUILDINGS OF TYPE I OR TYPE V CONSTRUCTION AND 4,000 SQUARE FEET OR LESS IN FLOOR AREA, NOT LOCATED WITHIN EARTHQUAKE FAULT ZONES OR SEISMIC HAZARD ZONES AS SHOWN IN THE MOST RECENTLY PUBLISHED MAPS FROM THE CALIFORNIA GEOLOGICAL SURVEY (CGS) OR IN SEISMIC HAZARD ZONES AS DEFINED IN THE SAFETY ELEMENT OF THE LOCAL GENERAL PLAN, 2) A PREVIOUS REPORT FOR A SPECIFIC SITE MAY BE RESUBMITTED, PROVIDED THAT A REEVALUATION IS MADE AND THE REPORT IS FOUND TO BE CURRENTLY APPROPRIATE. ALLOWABLE FOUNDATION AND LATERAL SOIL PRESSURE VALUES MAY BE DETERMINED FROM TABLE 1806A.2 PER CBC SECTION 1803A.2

CONCRETE
 PROVIDE NECESSARY SHIMS ON FOOTINGS NOT LEVEL WITHIN THE 1/2" ALLOWABLE TOLERANCE. THE DISTRICT SHALL PROVIDE CLEAR AND UNOBSTRUCTED ACCESS TO THE SITE. THE DISTRICT IS RESPONSIBLE FOR ALL SURVEYING, STAKING THE BUILDING CORNERS, SETTING THE FINISH FLOOR ELEVATION, RIGGING, CRANING, EXCAVATION, SPOIL REMOVAL, AND BACKFILL.

THE FOUNDATION AND THE METHOD OF FASTENING THE UNITS SHALL BE AS SHOWN ON DRAWINGS WHERE APPLICABLE. HIGH STRENGTH GROUT SHALL BE EMBECO 885 NON-SHRINK, METALLIC AGGREGATE GROUT OR A DSA APPROVED EQUAL.

THE DESIGN OF CONCRETE FOUNDATIONS WILL BE AS FOLLOWS:

- FURNISH AND INSTALL ALL CONCRETE WORK AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
- EXCEPT AS MODIFIED BY THE REQUIREMENTS SPECIFIED HEREIN AND / OR THE DETAILS ON THE DRAWINGS, ALL WORK INCLUDED IN THIS SECTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF CODES AND STANDARDS.
 - ALL WORK AND MATERIALS SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND CHAPTER 19A.
 - AMERICAN CONCRETE INSTITUTE (ACI): BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AC308-11.
 - SOCIETY FOR TESTING AND MATERIALS (ASTM): THE SPECIFICATIONS AND STANDARDS HEREINAFTER REFERENCED TO SHALL BE OF THE LATEST EDITION.

3. CONCRETE FOUNDATION TESTS AND INSPECTIONS SHALL BE THE RESPONSIBILITY OF THE ARCHITECT AND OR INSPECTOR.

4. DESIGN MIXES SHALL BE AS SPECIFIED IN TITLE 24. CONCRETE STRENGTH AT 28 DAYS SHALL BE AS FOLLOWS: (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1).
 CONCRETE COMPRESSIVE STRENGTH (FCM) 3500 PSI
 WATER-CEMENT RATIO SHALL NOT EXCEED 0.60 BY WEIGHT
 PORTLAND CEMENT TYPE I
 NORMAL WEIGHT

5. FORMS SHALL BE SUBSTANTIAL, PLUMB, LEVEL, SQUARE, TRUE TO LINE, WATER TIGHT AND ACCURATE TO THE DIMENSIONS REQUIRED.

6. THE ARCHITECT SHALL APPROVE LOCATION OF:

- OPENINGS FOR MECHANICAL AND ELECTRICAL: PROVIDE FOR OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED AND INSTALL SLEEVES AS MAY BE REQUIRED.
- OPENINGS FOR VENT WELLS FOR UNDER FLOOR VENTILATION: PROVIDE FOR ALL OPENINGS IN THE CONCRETE WITH THE TRADE(S) INVOLVED. INSTALL ALL SLEEVES AS MAY BE REQUIRED.

7. VARIANCE IN CONCRETE SLAB SURFACE SHALL BE NO MORE THAN 1/16" IN 10 FEET

8. ALL CEMENT SHALL BE TYPE 1 OR 11 PER ASTM C-150. (UNLESS REQUIRED OTHERWISE PER CBC 1802A.2.3

9. WATER CONTENT SHALL NOT EXCEED 7 1/4 GALLONS PER SACK OF CEMENT (UNLESS REQUIRED OTHERWISE PER ACI 318-11 TABLE 4.3.1)

10. AGGREGATE SHALL BE 3/4" TO 1 1/2" MAXIMUM SIZE BUT NOT MORE THAN 3/4" OF MINIMUM CLEAR BAR SPACING

11. ANCHOR BOLTS, DOWELS, REINFORCING STEEL, AND EMBEDDED ITEMS ARE TO BE SECURELY TIED IN PLACE BEFORE CONCRETE IS POURED "WET SETTING" IS NOT ALLOWED.

12. REFER TO ARCHITECTURAL, ELECTRICAL, AND MECHANICAL PLANS FOR SLEEVES, INSERTS CURBS, DEPRESSED AREAS, AND ETC.

13. CONCRETE MIX REQUIRED: CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN FOR FOOTINGS TO PROFESSIONAL OF RECORD FOR APPROVAL PRIOR TO POURING CONCRETE.

1705A.3.3. WAIVER OF BATCH PLAN INSPECTION.

A. WHEN BATCH PLANT INSPECTION IS WAIVED, THE FOLLOWING REQUIREMENTS SHALL APPLY:

1. QUALIFIED TECHNICIAN OF THE TESTING LABORATORY SHALL CHECK THE FIRST BATCHING AT THE START OF DAY.

2. LICENSED WEIGHMASTER TO POSITIVELY IDENTIFY MATERIALS AS TO QUANTITY AND CERTIFY TO EACH LOAD BY A TICKET.

3. BATCH TICKETS, INCLUDING ACTUAL MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD AND SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY A TRUCK DRIVER WITH LOAD IDENTIFICATION THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR WILL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK, ITS LOAD, TIME OF RECEIPT AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND WILL TRANSMIT A COPY OF THE DAILY RECORD TO THE ENFORCEMENT AGENCY.

REINFORCING STEEL:

1. MATERIAL: ALL REINFORCING STEEL SHALL BE BILLET STEEL PER ASTM A-615 MIN. GRADE 60. EXCEPT #3 ANCHOR REINFORCEMENT SHALL BE GRADE 40.

2. SPLICES: ALL SPLICES SHALL BE LAPPED A MINIMUM 48" #5 BARS AND 30" #4 BARS UNLESS OTHERWISE DETAILED.

3. REINFORCING FABRICATION AND PLACEMENT: FABRICATION AND PLACING OF REINFORCING SHALL CONFORM TO THE "CODE OF STANDARD PRACTICE AND SPECIFICATIONS FOR PLACING REINFORCEMENT OF THE CONCRETE REINFORCING STEEL INSTITUTE".

4. MINIMUM COVERAGE: ALL REINFORCING SHALL HAVE THE FOLLOWING MINIMUM COVERAGE WITH CONCRETE:

LOCATION	AMOUNT
FORMED EARTH	2"
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
WALL-EXPOSED FACE	
#6 OR SMALLER	2"
#6 OR LARGER	2"
WALL-UNEXPOSED FACE	3/4"

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL OTHER THAN TUBE AND PIPE COLUMNS SHALL CONFORM TO ASTM A-36.

2. TUBE COLUMNS SHALL CONFORM TO ASTM A500 GRADE B. OR A1085

3. PIPE COLUMNS SHALL CONFORM TO ASTM A501 OR ASTM A53, TYPE E OR S, GRADE B. OR A1085

4. TUBE STEEL USED FOR RAMPS & STAIRS SHALL CONFORM TO ASTM A513 GRADE MT1020 OR BETTER

STEEL FRAME BUILDING/STEEL FRAME CONSTRUCTION SHALL MEET THE MINIMUM DESIGN REQUIREMENTS OF STUD SPACING, ETC. PER LATEST EDITION OF 2016 CALIFORNIA BUILDING CODE. ALL WORK AND MATERIALS SHALL CONFORM TO THE "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES," AMERICAN INSTITUTE OF STEEL CONSTRUCTION, TITLE 24, CCR, AND UNIFORM BUILDING CODE. STRUCTURAL STEEL SHALL BE MADE EITHER THE OPEN-HEARTH OR ELECTRIC FURNACE PROCESS ONLY AND SHALL CONFORM TO THE "SPECIFICATION FOR STRUCTURAL STEEL" ASTM DESIGNATION A36, CURRENT EDITION.

ROOF FRAMING, FLOOR FRAMING, AND WALL FRAMING SHALL BE PER MANUFACTURER'S PC PLANS AND PER APPLICABLE CODES.

ALL STRUCTURAL MEMBERS BELOW THE SUB-FLOOR, IE, GIRDERS, JOISTS, HEADERS, BLOCKING, SHALL BE STEEL. MINIMUM JOIST SPACING SHALL BE PER PLAN.

ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE AISC STANDARD SPECIFICATIONS, THE APPLICABLE REGULATORY AGENCY AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OR LIGHT GAUGE STEEL STRUCTURAL MEMBERS. WELDING: SHALL COMPLY WITH THE PERTINENT PROVISIONS OF THE APPLICABLE REGULATORY AGENCY. ALL WELDING SHALL BE DONE BY OPERATORS WHO ARE QUALIFIED AS PRESCRIBED IN THE "QUALIFICATION PROCEDURE" OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPE OF WORK REQUIRED.

STEEL SHALL BE COATED WITH ONE SHOP COAT OF MANUFACTURER'S STANDARD CHASSIS PAINT OR EQUAL.

BOLTS:
 ALL COMMON BOLTS AND ANCHOR BOLTS SHALL CONFORM TO ASTM A-307.
STRUCTURAL WELDING: SPECIAL INSPECTOR REQUIRED
 GENERAL: DURING THE WELDING OF ANY MEMBER OR CONNECTION THAT IS DESIGNED TO RESIST LOADS AND FORCES REQUIRED BY THIS CODE.
 ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH A FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FTLBS AT MINUS 20 DEGREES F AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

ALL STRUCTURAL WELDING SHALL BE BY "ELECTRIC ARC PROCESS" PER AWS STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION. ALL LIGHT GAUGE STEEL (SHEET STEEL) SHALL BE WELDED PER AWS D1.3. ALL REINFORCING STEEL SHALL BE WELDED WITH LOW HYDROGEN RODS PER AWS D1.4, OR REINFORCING STEEL SHALL CONFORM TO ASTM A-706. ALL SHOP WELDED MUST BE PERFORMED BY "APPROVED" WELDERS IN A SHOP OF A LICENSED FABRICATOR. ALL FIELD WELDING SHALL BE PERFORMED BY "APPROVED" WELDERS. ELECTRODES SHALL BE E70XX FOR STRUCTURAL STEEL AND REBAR AND SHALL BE E60XX FOR LIGHT GAUGE STEEL. * (SEE OPTIONAL PROCESS)

THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING WELDING OF THE FOLLOWING ITEMS. PROVIDED THE MATERIALS, WELDING PROCEDURES AND QUALIFICATION OF WELDERS ARE VERIFIED PRIOR TO THE START OF WORK. PERIODIC INSPECTIONS ARE MADE OF WORK IN PROGRESS, AND A VISUAL INSPECTION OF ALL WELDS IS MADE PRIOR TO SHIPMENT OF SHOP WELDING.

- FLOOR AND ROOF DECK WELDING.
- WELDED STUDS WHEN USED FOR STRUCTURAL DIAPHRAGM OR COMPOSITE SYSTEMS.
- WELDED SHEET STEEL FOR COLD-FRAMED STEEL FRAMING MEMBERS SUCH AS STUDS AND JOISTS WHICH ARE NOT PART OF AN ORDINARY MOMENT FRAME.
- SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16".

MATERIAL SHALL BE IDENTIFIED BY MARKING OR STAMPING THE I.D. NUMBER ON STRUCTURAL STEEL COMPONENTS BY LICENSED FABRICATION SHOP.

ALL BUTT, BEVEL, GROOVE, VEE, U AND J WELDS SHALL BE PREQUALIFIED COMPLETE PENETRATION WELDS.
 FILLER MATERIAL FOR WELDING: SHIELDED METAL-ARC: AWS A5.1 OR 15.5 E70XX ELECTRODES.
 HOLES IN STRUCTURAL STEEL SHALL NOT BE PERMITTED UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
 STRUCTURAL STEEL SHALL BE THOROUGHLY CLEANED BY SCRAPPING OR WIRE BRUSHING AND SHOP PRIMED.

ALL STEEL WORK, INCLUDING WELD AND CONNECTIONS EXCEPT WHERE ENTIRELY ENCASED IN CONCRETE SHALL BE GIVEN ONE COAT OF ACCEPTABLE METAL PROTECTION WELD WORKED INTO JOINTS AND OPEN SPACES.
 *OPTIONAL USE OF: FCAW PROCESS: E71T-8 FOR STRUCTURAL/REBAR (MEETS ALL CHARPY REQUIREMENTS) E71T-11 FOR METAL DECKING

COLD-FORMED STEEL FRAMING:
 STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW. SEE PLAN FOR MINIMUM YIELD.
 MATERIAL THICKNESS 11GA OR LESS: ASTM A-1011/A GRADE 33 (UNO)
 MATERIAL THICKNESS 10GA OR GREATER: ASTM A-1011/A GRADE 40

SHEET STEEL DESIGNATION (GAUGE)	MINIMUM DELIVERED THICKNESS (INCHES)
26	0.017
22	0.029
20	0.034
18	0.046
16	0.057
14	0.071
12	0.100
11	0.114
10	0.128

STRUCTURAL LIGHT GAUGE STEEL FRAMING AND ACCESSORIES SHALL BE FABRICATED IN ACCORDANCE WITH ASTM A-1011/A GRADE AS LISTED BELOW. SEE PLAN FOR MINIMUM YIELD.
 MATERIAL THICKNESS 11GA OR LESS: ASTM A-1011/A GRADE 33 (UNO)
 MATERIAL THICKNESS 10GA OR GREATER: ASTM A-1011/A GRADE 40

LIGHT GAUGE STEEL STUDS AND TRACKS SHALL COMPLY WITH ASTM A-1003 STRUCTURAL GRADE 33 TYPE H

ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL". QUALIFICATION OF WELDERS SHALL BE IN ACCORDANCE WITH AWS D1.1, CHAPTER 5, PART C, "WELDER QUALIFICATIONS".

BOLTS, SCREWS, ETC. EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED
 MACHINE BOLTS USED SHALL CONFORM TO SPECIFICATIONS OF ASTM STANDARD A-307.

NOTES:
 (b) CJP GROOVE WELD NDT
 ULTRASONIC TESTING SHALL BE PERFORMED ON 100 PERCENT OF CJP GROOVE WELDS IN MATERIALS 5/16 in. (8mm) THICK OR GREATER. ULTRASONIC TESTING IN MATERIALS LESS THAN 5/16 in. (8 mm) THICK IS NOT REQUIRED. MAGNETIC PARTICLE TESTING SHALL BE PERFORMED ON 25 PERCENT OF ALL BEAM-TO-COLUMN CJP GROOVE WELDS.

WOOD:
FRAMING: ALL FRAMING LUMBER SHALL BE GRADE MARKED BY AN APPROVED GRADING AGENCY AND SHALL BE OF THE FOLLOWING MINIMUM GRADES OR BETTER. PER WCLB RULES #16.
 PLATES AND BLOCKING - STANDARD GRADE OR BETTER
 STUDS AND HEADER = HF #2, OR DF #2, OR BETTER

SHEATHING:
 AMERICAN PLYWOOD ASSOCIATION PS 1-07. EACH SHEET SHALL BE GRADE MARKED BY THE AMERICAN PLYWOOD ASSOCIATION, AND SHALL CONFORM TO THE REQUIREMENTS OF STANDARD GRADE GROUP 1 OR BETTER GRADE STAMPED AND IDENTIFIED UNDER THE PROCEDURES AND QUALIFICATIONS SET FORTH BY PS 1-07.

1. PLYWOOD SUB FLOOR: 1 1/8" T&G UNBLOCKED PLYWOOD. PROVIDE SEAMLESS WOVEN POLYFLEX BOTTOM BOARD FOR MOISTURE PROTECTION

2. OPTIONAL PLYWOOD ROOF DECK: APA RATED 3/4" T&G OSB OR EQUIVALENT RATED SHEATHING WITH APPROVAL FROM DSA

3. EXTERIOR WALL SIDING:
 i. STANDARD: 5/8" DURATEMP OR 5/8" SMART PANEL
 ii. OPTIONAL: 5/8" MDO
 iii. OPTIONAL: 1/2" OSB OR CDX PLYWOOD FOR PLASTER/STUCCO FINISH

4. EXTERIOR WALL SIDING ATTACHMENT:
 FASTENERS USED FOR THE ATTACHMENT OF EXTERIOR WALL COVERINGS SHALL BE HOT-DIPPED GALVANIZED, MECHANICALLY DEPOSITED ZINC-COATED, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC SECTION 2304.10.1.1

TREATED WOOD:
 ALL WOOD INCLUDING WOOD SHEATHING IN CONTACT WITH CONCRETE OR MASONRY AND LOCATED LESS THAN 18" FROM EXPOSED EARTH SHALL BE "PRESERVATIVE TREATED" OR SHALL BE "NATURALLY DURABLE" MATERIAL PER (CBC SECTION 2304.12.2).

- ALL ROUGH LUMBER SHALL BE DF #2 OR BETTER.
- WOOD FASTENERS OTHER THAN SCREWS
 ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, AND RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.
- FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER PER CBC 2304.10.5.1

CONTINUOUS INSPECTION:
 PROJECT INSPECTOR TO PROVIDE CONTINUOUS FIELD INSPECTION.
 IN-PLANT INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION IN-PLANT
METALS, STRUCTURAL, AND MISC. STEEL:
 CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, AND SERVICES REQUIRED FOR STRUCTURES AND MISCELLANEOUS STEEL AS SPECIFIED AND INDICATED IN THE DRAWINGS.

STEEL SHEETS: STEEL SHEETS FOR LIGHT GAUGE STEEL SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-1011/A, GRADE 40 U.O.N. SHEET METAL GRAVEL STOPS AND FLASHINGS SHALL BE MINIMUM 0.030 THICKNESS AND SHALL BE GALVANIZED.

ERECTOR: ALL STRUCTURAL STEEL SHALL BE ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNED LOCATION. TEMPORARY BRACING OR SHORING SHALL BE INSTALLED WHEREVER NECESSARY TO TAKE CARE OF LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING ERECTION EQUIPMENT AND THE OPERATION OF SAME. CONNECTIONS SHALL BE ADEQUATE TO WITHSTAND STRESSES TO WHICH THEY ARE NORMALLY SUBJECTED. CONNECTIONS SHALL BE STEEL, EXCEPT AS OTHERWISE NOTED. FIELD CONNECTIONS SHALL BE BOLTED OR WELDED AS SHOWN ON THE DRAWINGS.

SHOP PAINT:
 * EXPOSED STEEL COATED WITH ONE SHOP COAT OF PRIMER.
 * NON-EXPOSED STEEL COATED WITH ON SHOP COAT OF PRIMER.
 * ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

POWER DRIVEN FASTENERS FOR SILL PLATE, WOOD NAILERS TO STEEL COLUMNS, AND SHEET METAL TO STRUCTURAL STEEL:
 ALL POWER DRIVEN FASTENERS SHALL BE HILTI FASTENERS ICC# ESR-1663, OR RAMSET POWER DRIVEN FASTENERS (ICC# ESR-1799), OR SIMPSON POWER DRIVEN FASTENERS ICC #ESR-2138, OR OTHER EQUIVALENT PRODUCTS WITH ICC REPORTS AND APPROVED BY DSA.

WOOD ROUGH CARPENTRY:
 THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND STEPS NECESSARY TO PROTECT ALL COMPLETED, SEMI-COMPLETED, AND TEMPORARY WORK FROM COMMENCEMENT OF PROJECT TO COMPLETE. SEMI-COMPLETION OF SAME ANY PORTION OF THE WORK DAMAGED OR DISFIGURED SHALL BE SATISFACTORILY REPAIRED OR REPLACED AND THE WORK AS A WHOLE LEFT WITHOUT BLEMISH AT FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ALL NECESSARY MEASUREMENTS AT THE BUILDING, THE ACCURATE FITTING OF ALL WORK AND PROPER ACCOMMODATION OF OTHER TRADES.

DESCRIPTION OF WORK:
 THIS SECTION INCLUDES FURNISHING OF ALL LABOR, MATERIAL, TOOLS, EQUIPMENT, TRANSPORTATION, AND FACILITIES TO COMPLETE ROUGH CARPENTRY AS INDICATED IN THE DRAWINGS AND AS SPECIFIED HEREIN.

WORKMANSHIP:
 ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE, SHALL BE ACCURATE AS TO MEASUREMENT AND SHALL BE CAREFULLY DONE. PLYWOOD SHEATHING SUBFLOOR SHALL PROVIDE A SMOOTH UNIFORM SURFACE CAPABLE PROPERLY ACCEPTING A CARPET FINISH.

ROOF DIAPHRAGM:
 3/4" T&G APA RATED SHEATHING - STRUCTURE 1 EXPOSURE 1
 SPAN RATING 48/24 MIN.
 FASTEN TO SHEET METAL SUPPORTS W #10 x 1 1/4" LG. SELF DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS AT 4" OC AT BOUNDARIES, 6" OC AT EDGES, AND 12" OC FIELD NAILS. MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

FLOOR DIAPHRAGM:
 1 1/8" PLYWOOD - STURD-I-FLOOR
 EXTERIOR - TONGUE AND GROOVE EDGES
 SPAN RATING: 48"
 FASTEN TO SHEET METAL SUPPORTS W #10 - 24 x 1 3/4 LG. SELF-DRILLING, SELF-TAPPING PHILLIPS FLAT-HEAD ZINC COATED TEKS SCREWS MIN. 3/8" EDGE DISTANCE FOR FASTENERS TO PLYWOOD EDGE PER CBC SECTION 2306.2.

CONCRETE FLOOR DATA: LIGHTWEIGHT CONCRETE FLOOR
 STRENGTH: 3500 PSI or 4000 PSI
 TYPE: I OR II
 DENSITY: 110 PCF - MAX

DIMENSION LUMBER ATTACHMENT TO STEEL FRAMING:
 2x STUDS AT CORNER STEEL COLUMNS (NAILING STUD)
 USE: #10 - 24 x 2 1/2" LG. SELF-DRILLING SELF-TAPPING PHILLIPS FLAT-HEAD WITH WASHER ZINC COATED TEK SCREWS AT 24" O.C.

REFERENCE STANDARDS NOTES:
 INTENT OF DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE BUILDING IN ACCORDANCE WITH THE STATE OF CALIFORNIA, CALIFORNIA CODE OF REGULATIONS, PART 1, 2, 3, 4, 5, 6, 9, AND 12, SUB-CHAPTER 1, CALIFORNIA BUILDING CODE, 2016 EDITION, MANUAL OF STEEL CONSTRUCTION, (AISC) 14TH EDITION, AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE, AWS D1.1, AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARD, (AITC) 109 ARCHITECTURAL SHEET METAL MANUAL, AIA FILE NO. 12-L (SMACNA) LATEST ADOPTED EDITION UNLESS OTHERWISE NOTED.

WORKMANSHIP:
 WORKMANSHIP AND MATERIALS SHALL BE SUCH THAT BUILDING WILL BE WEATHERTIGHT AND WATERTIGHT.

INSPECTIONS:
 A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

CHANGES:
 CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.

NAILING NOTES:
 1. ALL NAILS SHALL BE COMMON UNLESS OTHERWISE NOTED
 2. MACHINE APPLIED 16d FASTENERS SHALL HAVE AN EMBEDMENT OF NOT LESS THAN 1 1/2" INTO THE SECOND MEMBER, AND SHALL BE NOT LESS THAN 3" IN OVERALL LENGTH. THE ABOVE NAILS SHALL ALSO BE ACCEPTABLE FOR HAND NAILING, PROVIDED THE REQUIRED EMBEDMENT IS MAINTAINED.

CONNECTION AND FASTENERS:
 ALL CONNECTIONS AND FASTENERS AS STATED ON THESE DRAWINGS CAN BE SUBSTITUTED BY AN EQUIVALENT PRODUCT WITH ICC REPORTS AND APPROVAL BY DSA.
CONNECTION OF LAG SCREWS:
 AS REQUIRED PER ANSI / AIA F&A NDS-2012, LAG SCREWS MUST BE INSTALLED INTO A PRE-DRILLED PILOT HOLE WITH A STANDARD WASHER AND TURNED WITH A WRENCH. DO NOT DRIVE IN WITH A HAMMER. OVER-TORQUING CAN SIGNIFICANTLY REDUCE THE LATERAL RESISTANCE OF THE LAG SCREW AND SHOULD BE AVOIDED.

FASTENING SCHEDULE CBC - TABLE 2304.10.1

CONNECTION	FASTENING ^{a,m}	LOCATION
1. JOIST TO SILL OR GIRDER	3 - 8d COMMON 3 - 3" x 0.131" NAILS	TOENAIL
2. BRIDGING TO JOIST	2 - 8d COMMON (2 1/2" x .131") 2 - 3" x 0.31" NAILS	TOENAIL EACH END
3. 1" x 6" SUBFLOOR OR LESS TO EACH JOIST	2 - 8d COMMON (2 1/2" x .131")	FACE NAIL
4. WIDER THAN 1" x 6" SUBFLOOR TO EACH JOIST	3 - 8d COMMON (2 1/2" x .131")	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	2 - 16d COMMON	BLIND AND FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d(3 1/2" x .135") AT 16" O.C. 3"x0.131" NAILS AT 8" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLKING AT BRACED WALL PANEL	3 - 16d(3 1/2" x .135") AT 16" O.C. 4 - 3"x0.131" NAILS AT 16" O.C.	BRACED WALL PANELS
7. TOP PLATE TO STUD	2 - 16d COMMON (3 1/2" x 0.162") 3 - 3"x0.031" NAILS	END NAIL
8. STUD TO SOLE PLATE	4 - 8d COMMON (2 1/2"x.131") 4 - 3"x0.131" NAILS	TOENAIL
	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	END NAIL
9. DOUBLE STUDS	16d (3 1/2"x0.135") AT 24" O.C. 3"x0.131" NAILS AT 12" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d (3 1/2"x0.135") AT 16" O.C. 3"x0.131" NAILS AT 12" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	8 - 16d COMMON (3 1/2"x0.162") 12 - 3"x0.131" NAILS	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS	TOENAIL
12. RIM JOIST TO TOP PLATE	8d (2 1/2"x0.131") AT 6" O.C. 3"x0.131" NAIL AT 6" O.C.	TOENAIL
13. TOP PLATES, LAPS, AND INTERSECTIONS	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3 1/2"x0.162")	16" OC ALONG EDGE
15. CEILING JOISTS TO PLATE	3 - 8d COMMON (2 1/2"x0.131") 5 - 3"x0.131" NAILS	TOENAIL
16. CONTINUOUS HEADER TO STUD	4 - 8d COMMON (2 1/2"x0.131")	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	3 - 16d COMMON (3 1/2"x0.162") MIN TABLE 2308.10.4.1 4 - 3"x0.131" NAILS	FACE NAIL
19. RAFTER TO PLATE (SEE SECTION 2308.10.1, TABLE 2308.10.1)	3 - 8d COMMON (2 1/2"x0.131") 3 - 3"x0.131" NAILS	FACE NAIL
20. 1" DIAGONAL BRACE TO EACH STUD AND PLATE	2 - 8d COMMON (2 1/2"x0.131") 2 - 3"x0.131" NAILS	FACE NAIL
21. 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2"x0.131")	FACE NAIL
22. WIDER THAN 1" x 8" SHEATHING TO EACH BEARING	3 - 8d COMMON (2 1/2"x0.131")	FACE NAIL
23. BUILT-UP CORNER STUDS	16d COMMON (3 1/2"x0.162") 3"x0.131" NAILS	24" O.C. 16" O.C.
24. BUILT-UP GIRDER AND BEAMS	20d COMMON (4"x0.192") ^{32"} O.C. 3"x0.131" NAIL AT 24" O.C.	FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	2 - 20d COMMON (4" x0.192") 3 - 3"x0.131" NAILS	FACE NAIL AT ENDS AND AT EACH SPLICE
25. 2" PLANKS	16d COMMON (3 1/2"x0.162")	AT EACH BEARING
26. COLLAR TIE TO RAFTER	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	FACE NAIL
27. JACK RAFTER TO HIP	3 - 10d COMMON (3"x0.148") 4 - 3"x0.131" NAILS	TOE NAIL
	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
28. ROOF RAFTERS TO 2-BY RIDGE BEAM	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	TOE NAIL
	2 - 16d COMMON (3 1/2"x0.162") 3 - 3"x0.131" NAILS	FACE NAIL
29. JOIST TO BAND JOIST	3 - 16d COMMON (3 1/2"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL
30. LEDGER STRIP	3 - 16d COMMON (3 1/2"x0.162") 4 - 3"x0.131" NAILS	FACE NAIL AT EACH JOIST
31. WOOD STRUCTURAL PANELS AND PARTICLEBOARD ^d SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING)	1/2" AND LESS 6d ^{e,l}	

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SILVER CREEK INDUSTRIES, INC.



Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**FLOOR FRAMING
DETAIL
CONCRETE FLOOR**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/17/2020

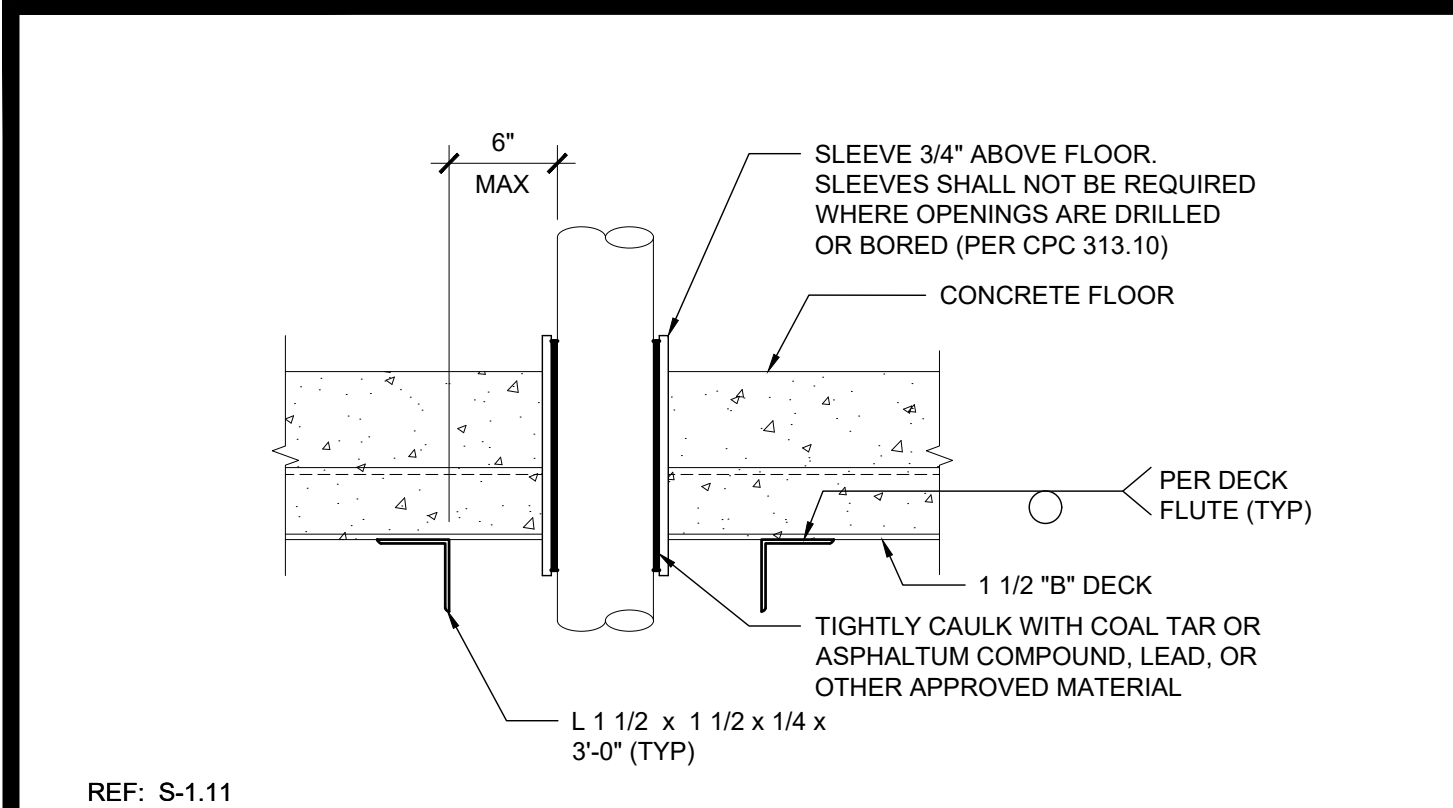
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FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116719 INCR: 0
AC_RM_FLS_DS_SSR KER
DATE: 10/05/2018

REVISIONS

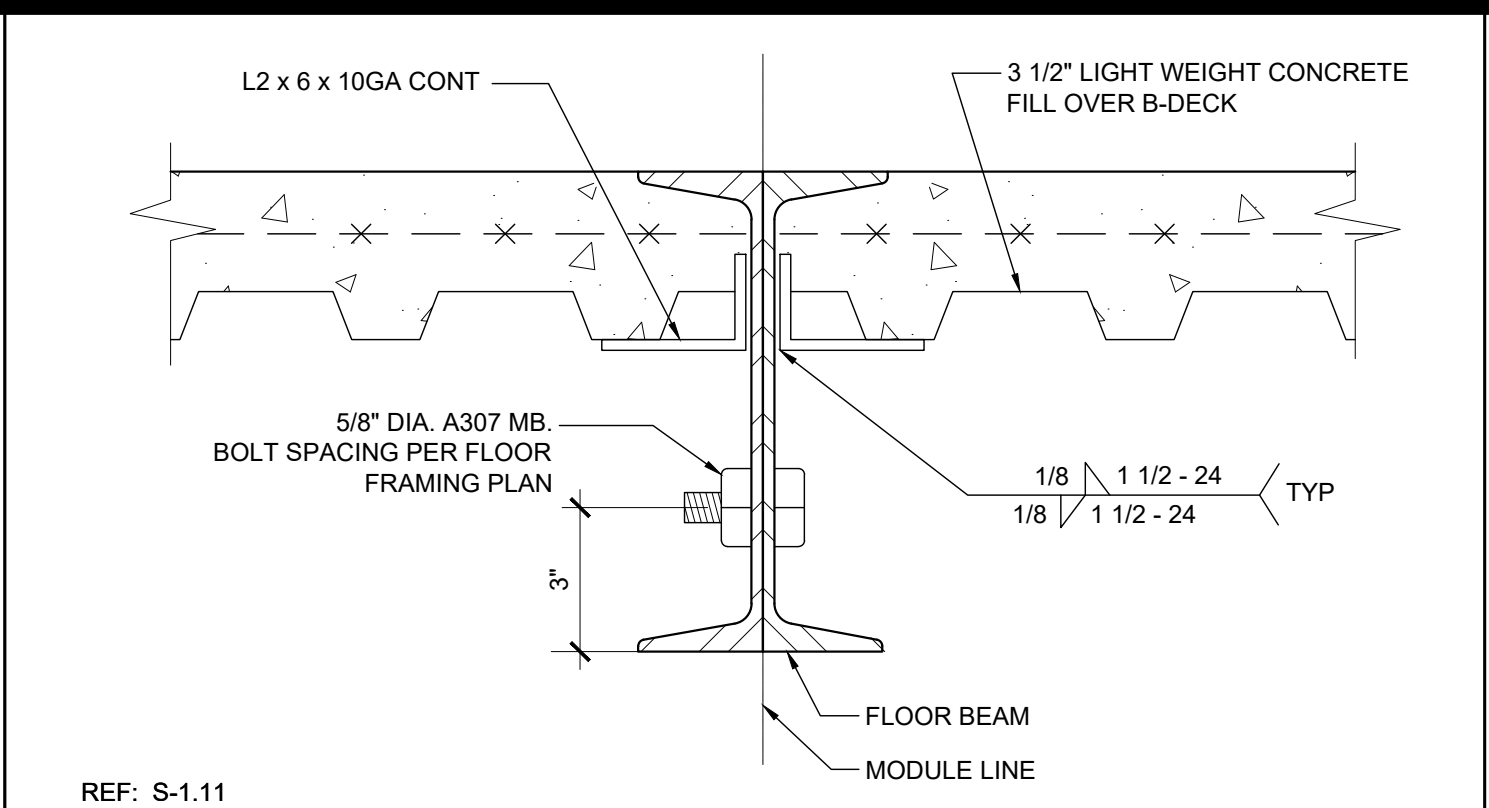
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SILVER CREEK INDUSTRIES
24' x 60' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18
P.C. SHEET NUMBER

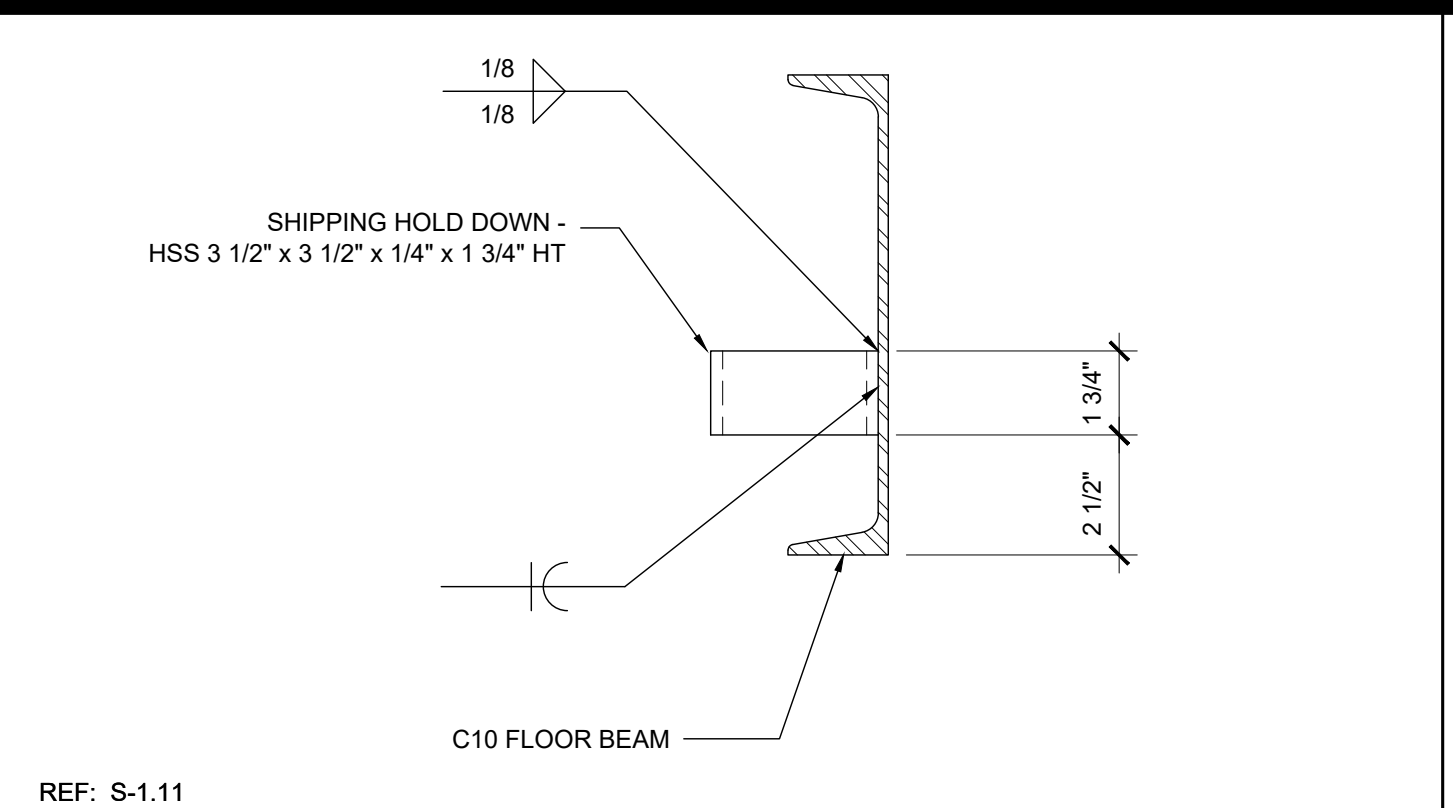
S-1.60



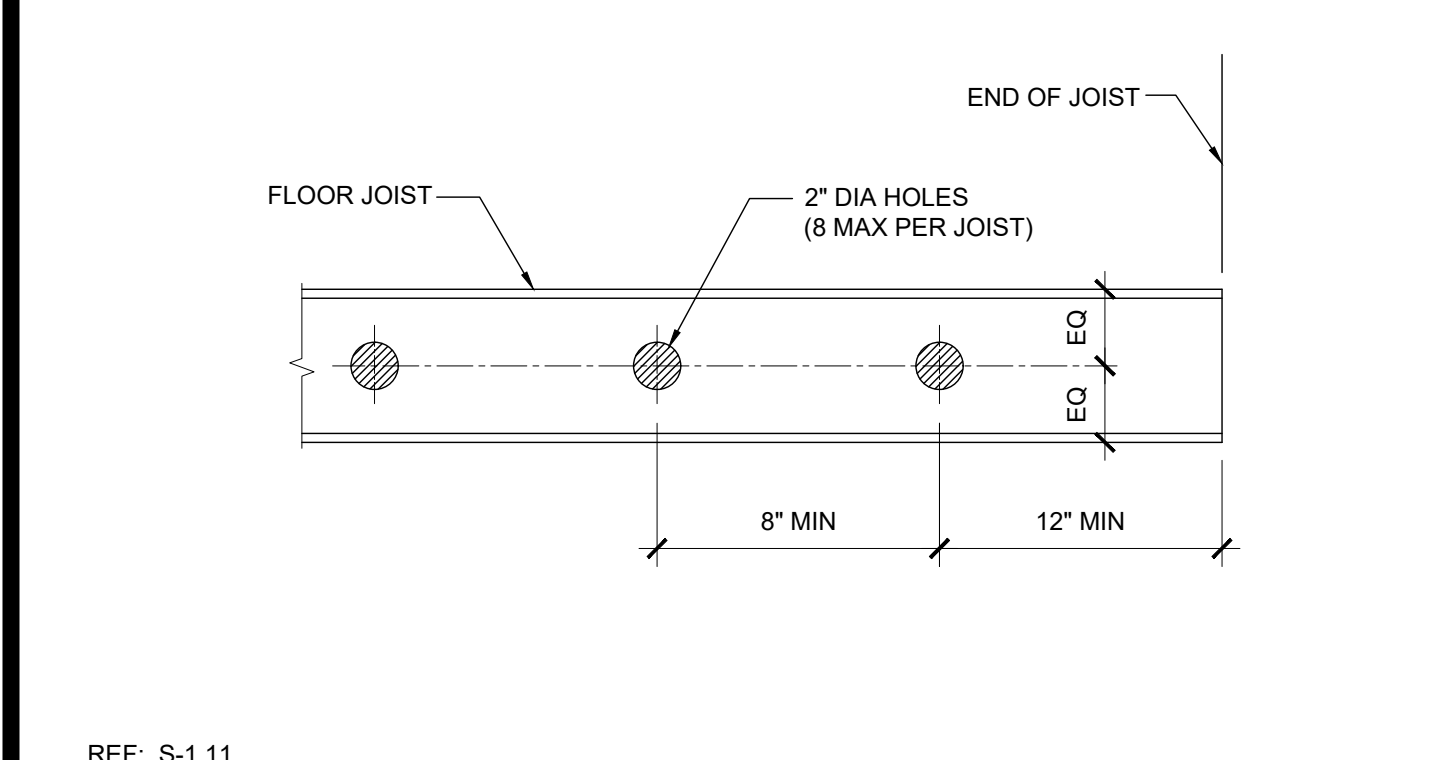
FLOOR PENETRATION SCALE: 3" = 1'-0" 16



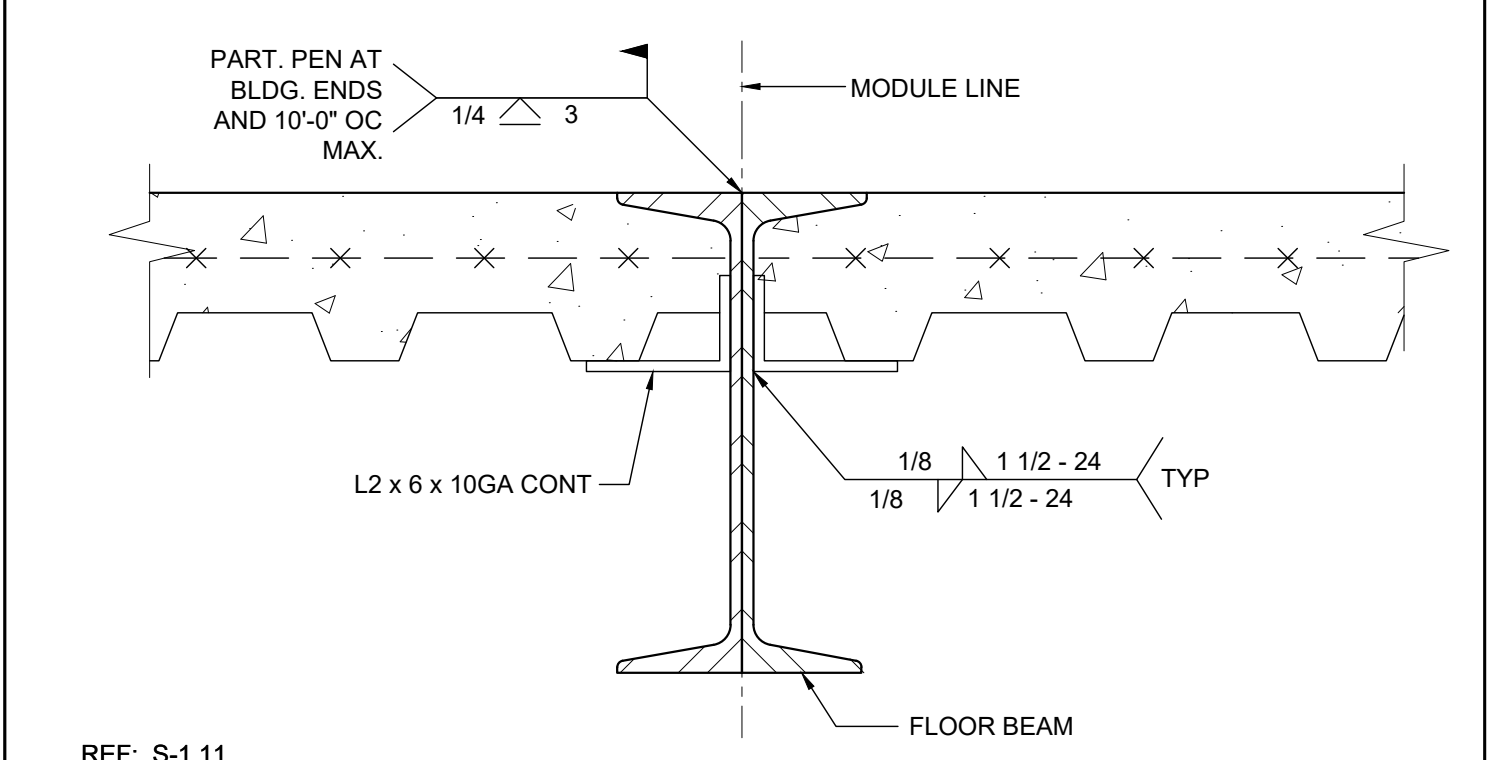
MODULE LINE - BOLTED CONNECTION SCALE: 3" = 1'-0" 11



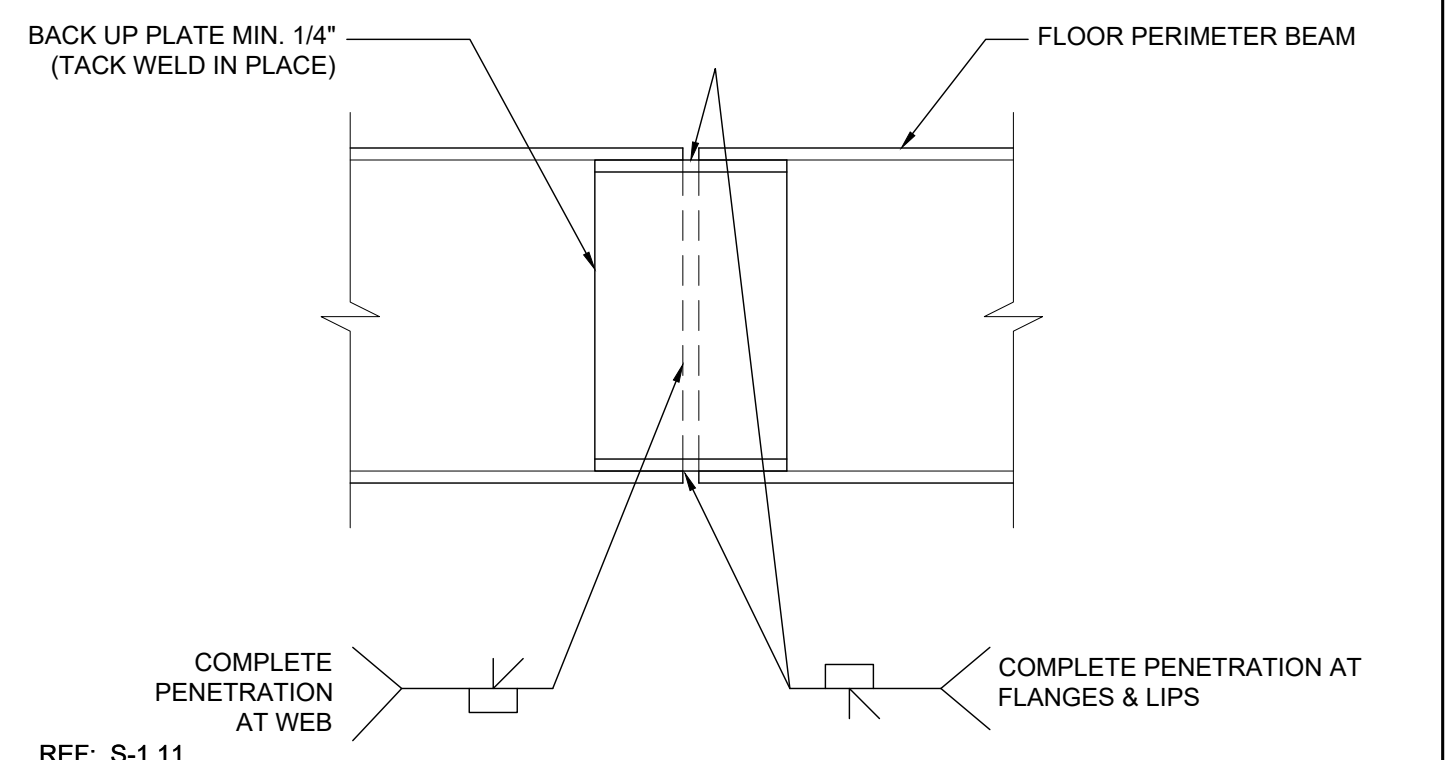
SHIPPING HOLD DOWN DETAIL SCALE: 3" = 1'-0" 6



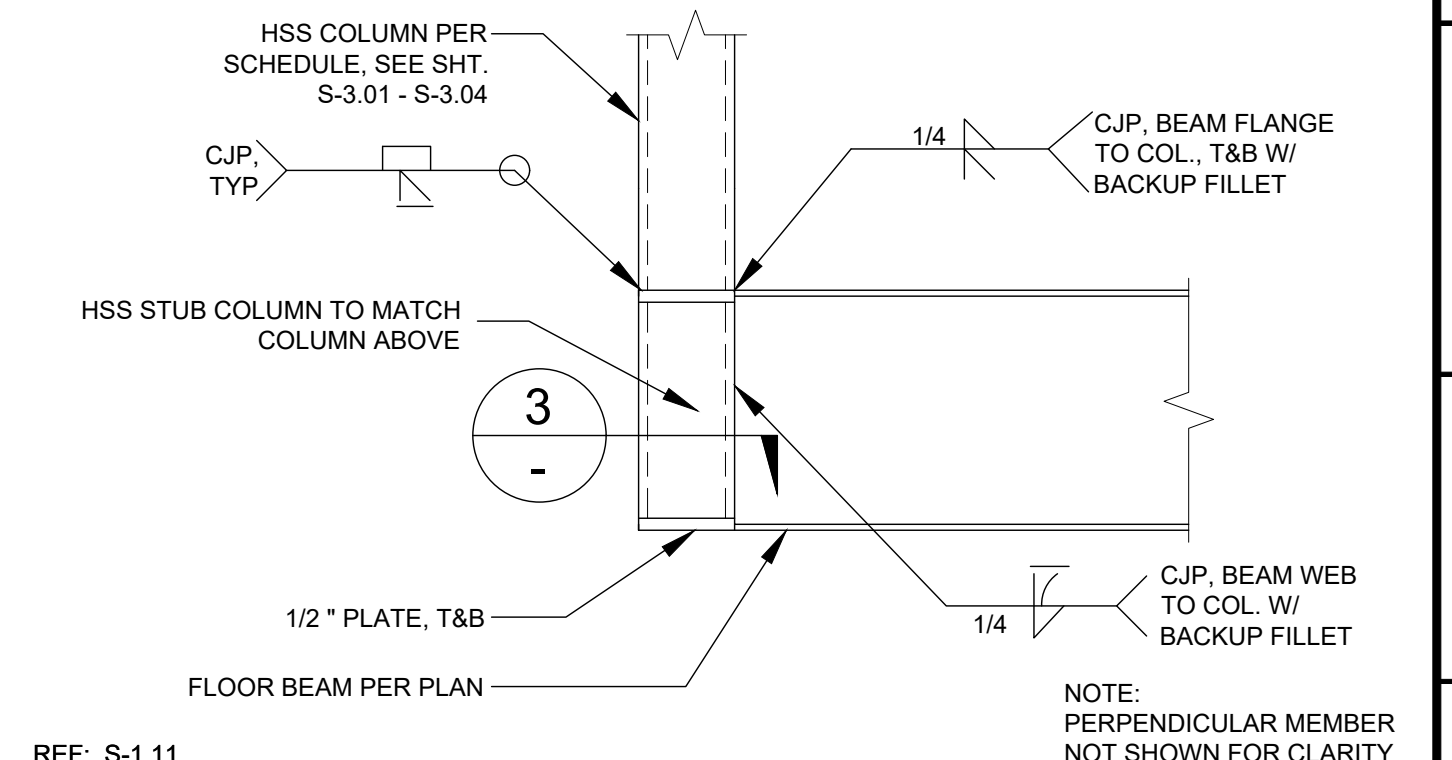
FLOOR JOIST HOLES (OPTIONAL) SCALE: 1/8" = 1'-0" 17



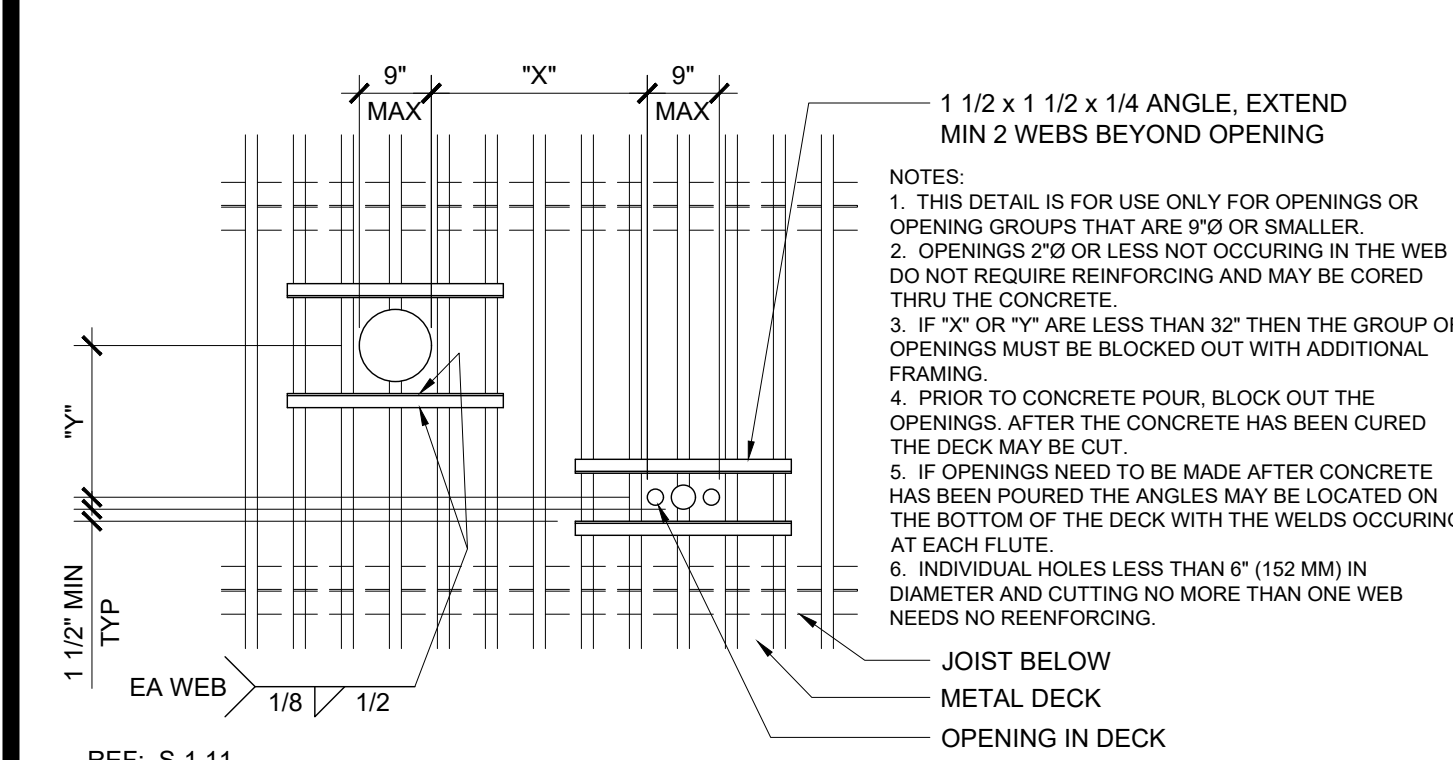
MODULE LINE CONNECTION (OPTION 1) SCALE: 3" = 1'-0" 12



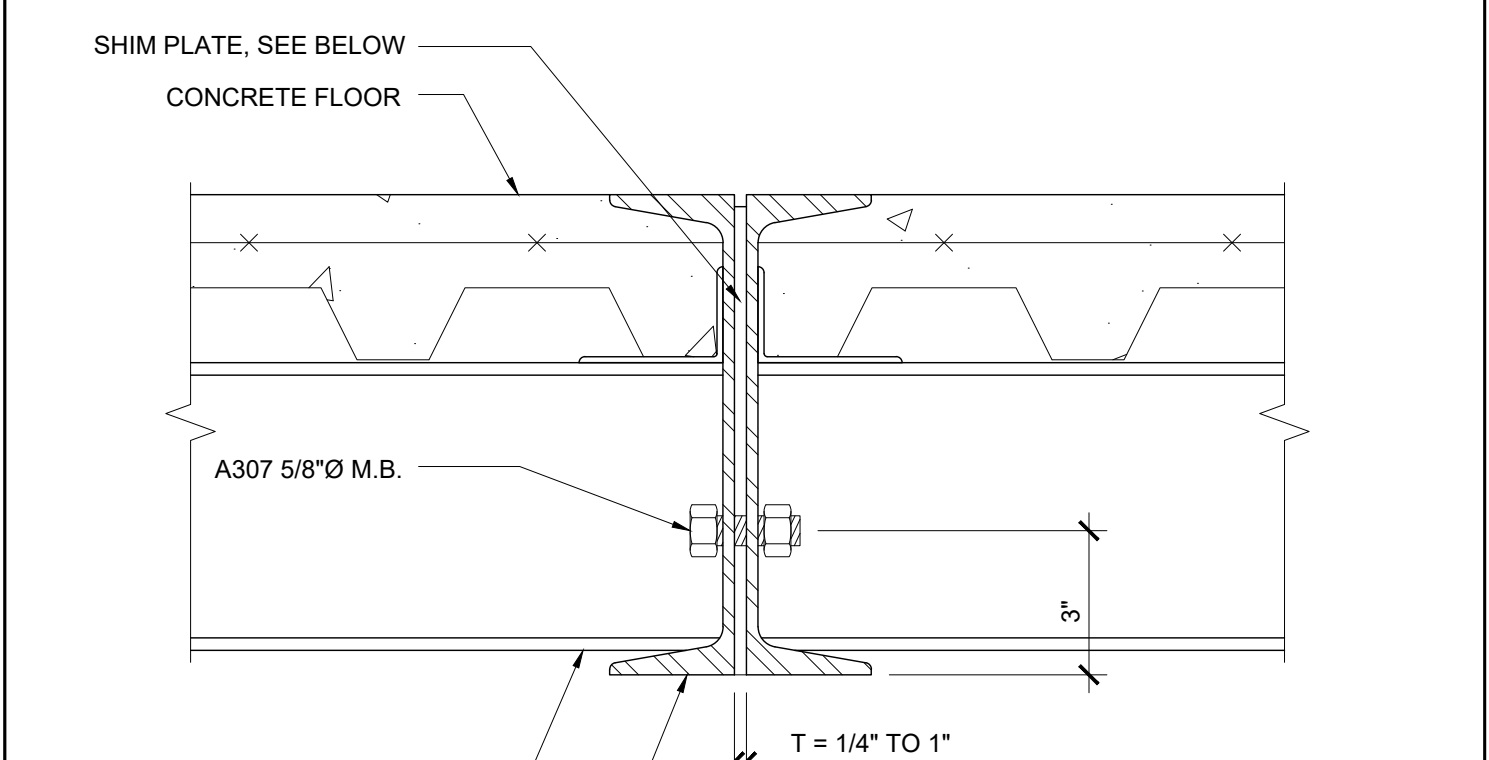
FLOOR BEAM SPLICE SCALE: 3" = 1'-0" 7



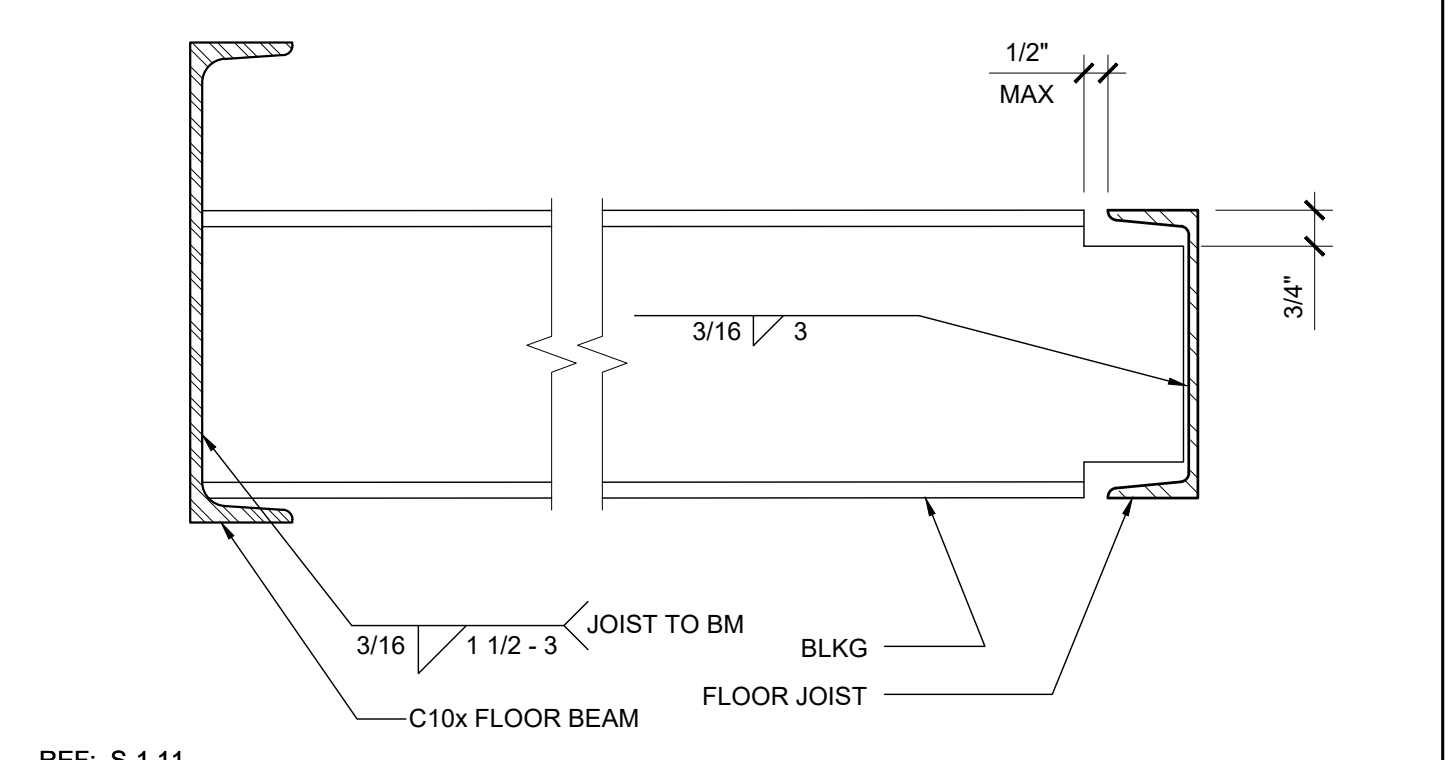
FLOOR BEAM TO COLUMN CONNECTION SCALE: 1 1/2" = 1'-0" 2



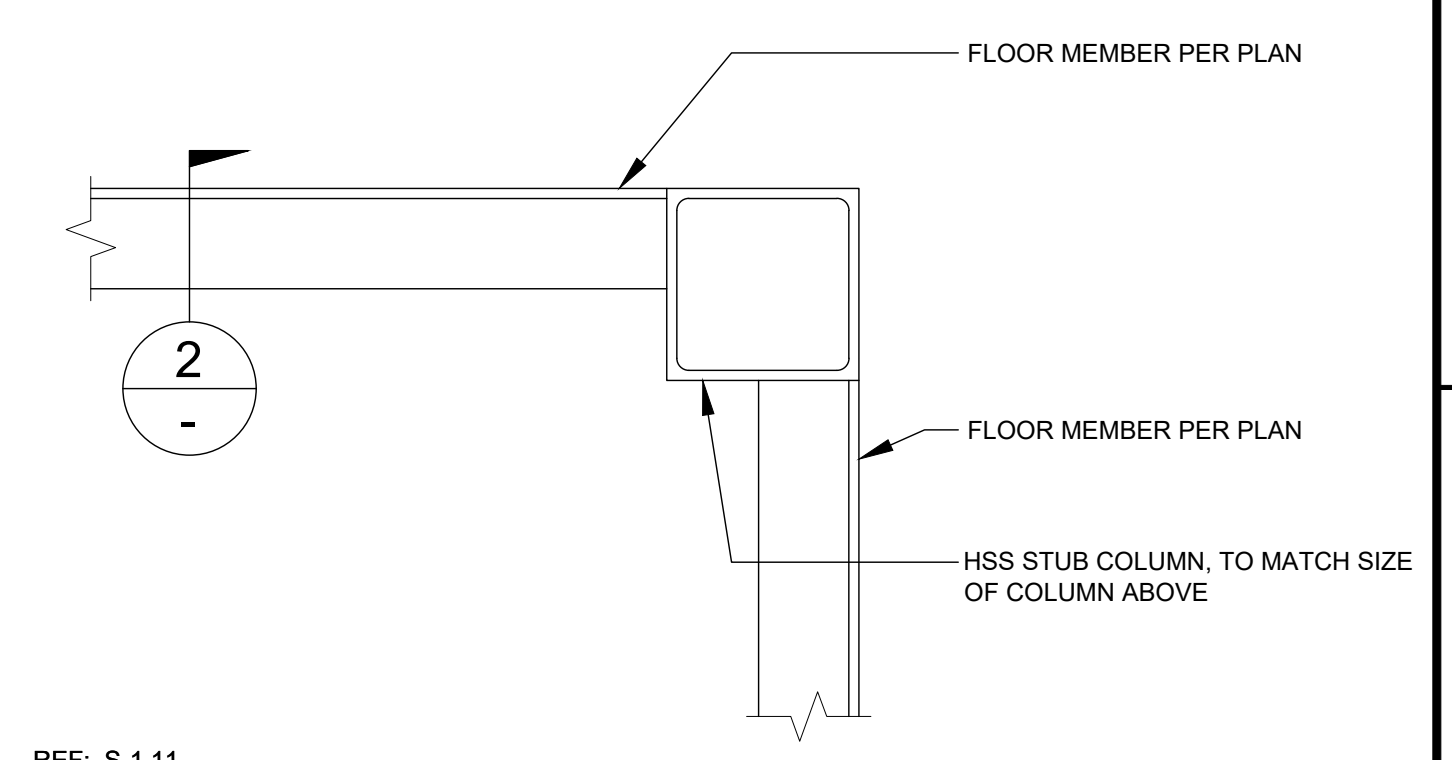
PENETRATIONS IN DECK (OPTION) SCALE: 1/2" = 1'-0" 18



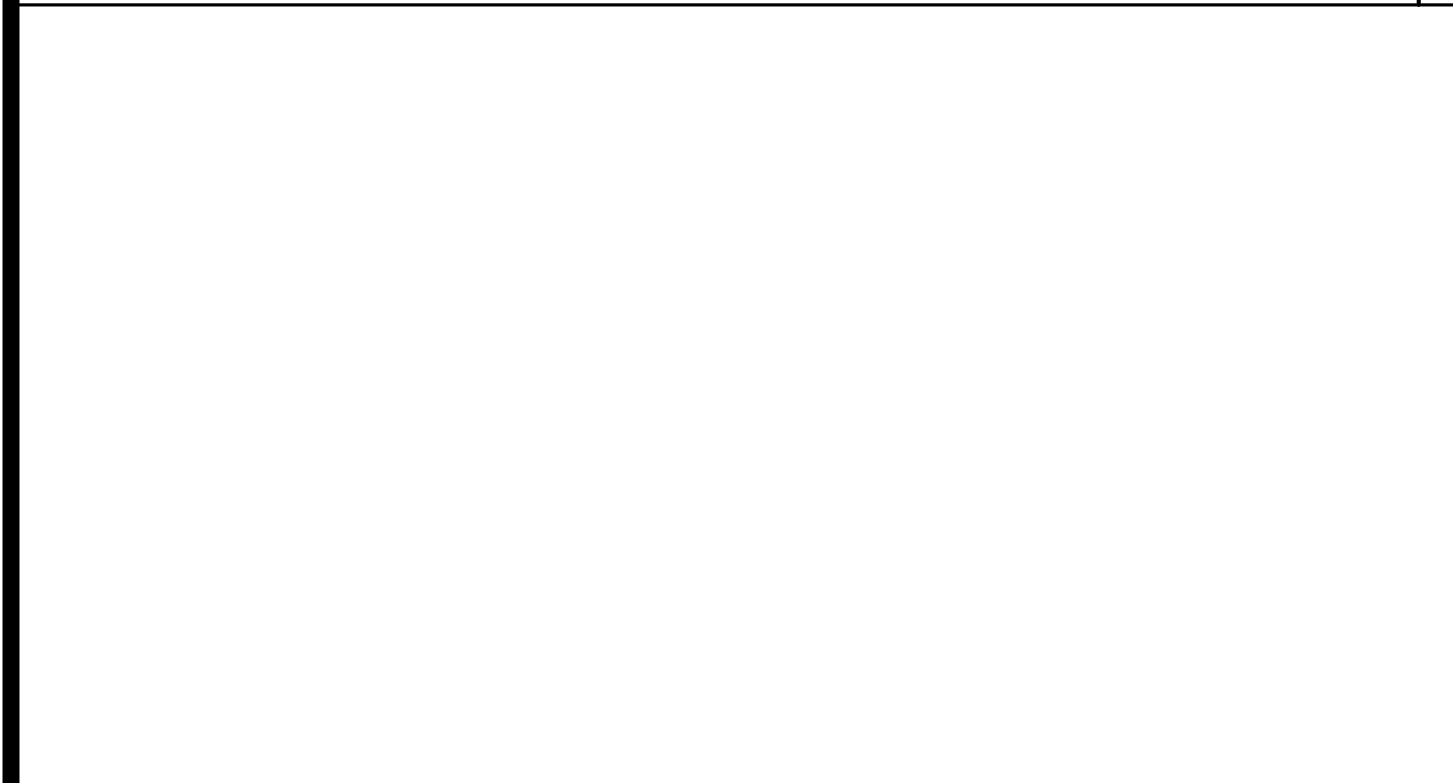
BLOCKING TO JOIST SCALE: 3" = 1'-0" 8



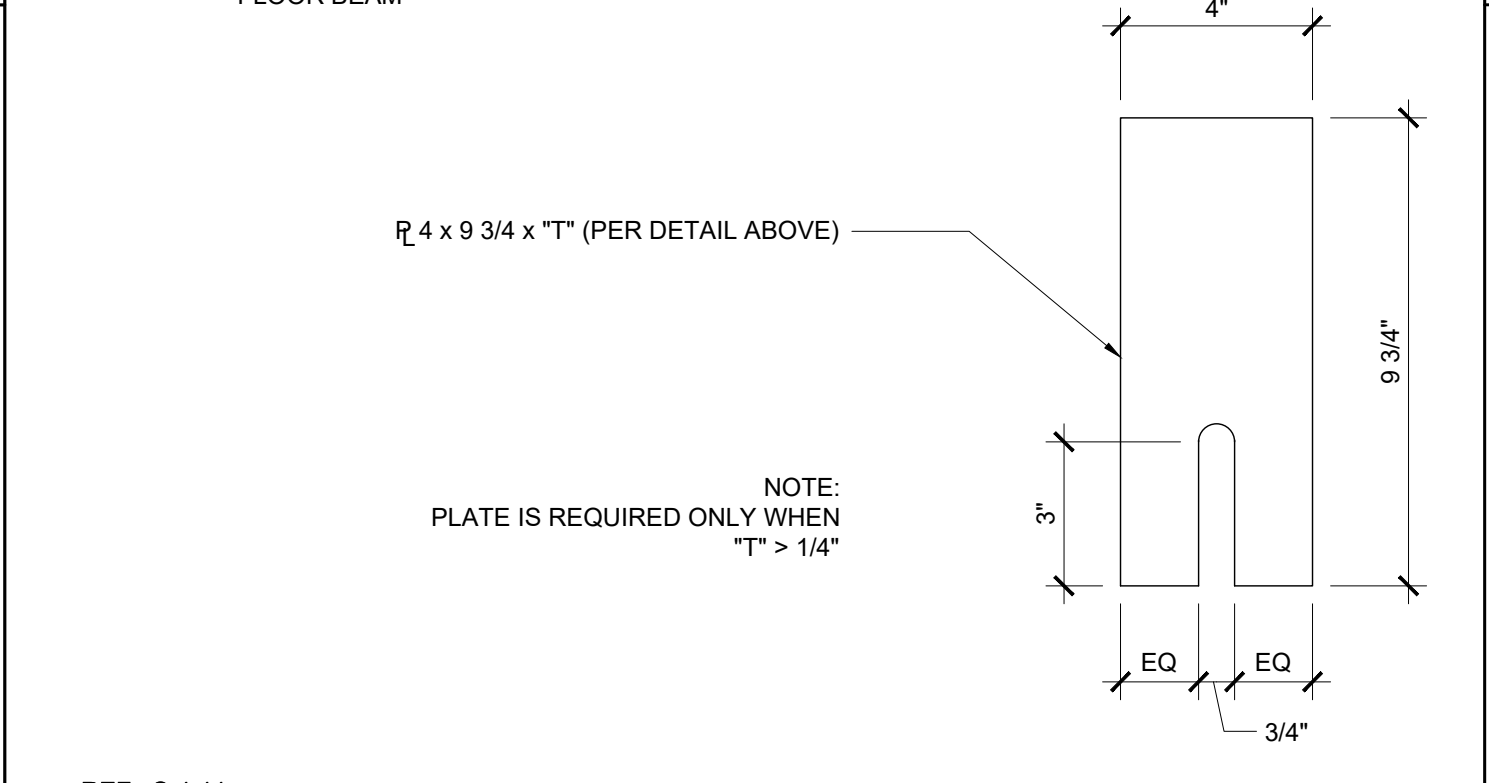
CORNER CONNECTION SCALE: 3" = 1'-0" 3



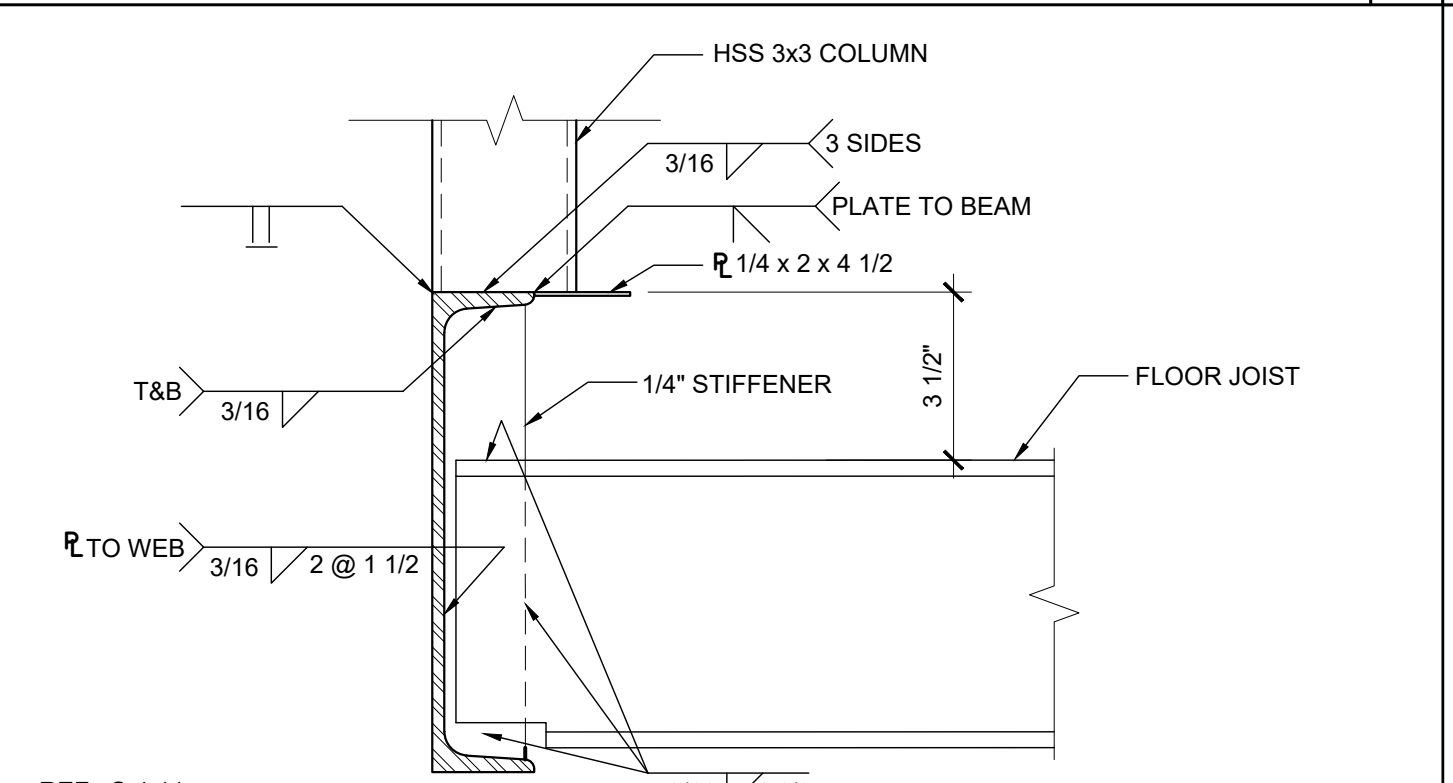
MID COLUMN CONNECTION SCALE: 3" = 1'-0" 9



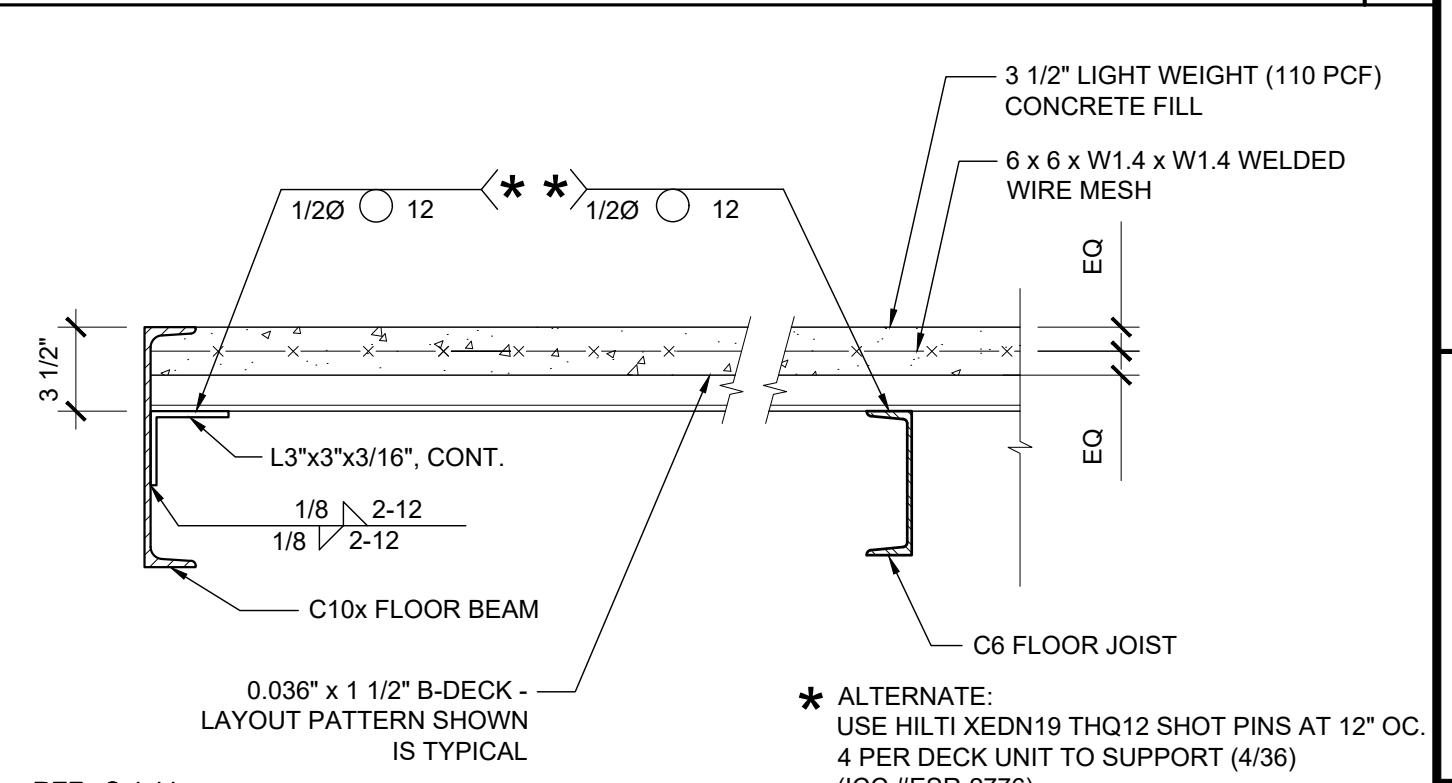
MODULE LINE CONNECTION (OPTION 2) SCALE: 3" = 1'-0" 14



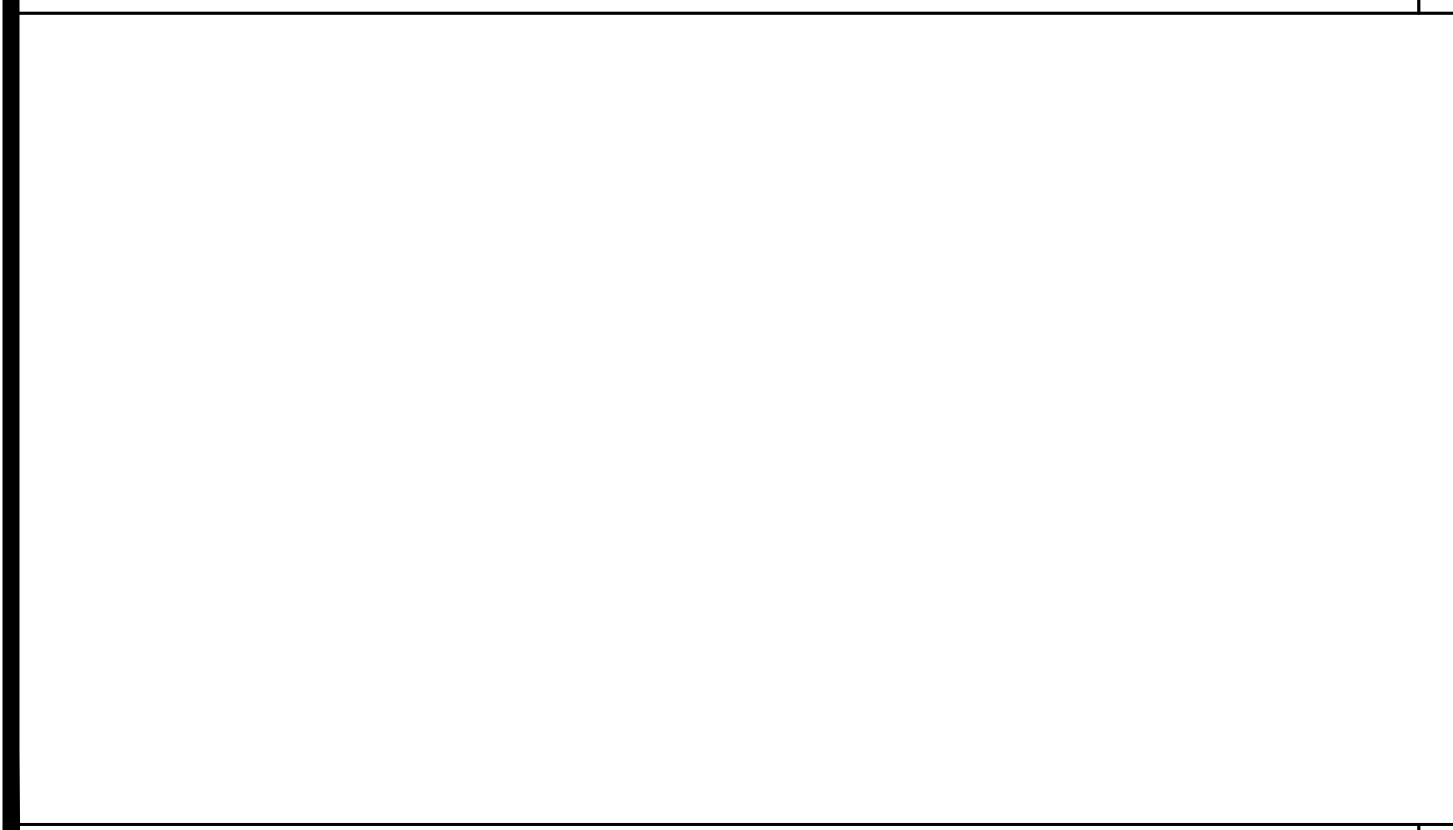
DECK AT END BEAM SCALE: 1 1/2" = 1'-0" 4



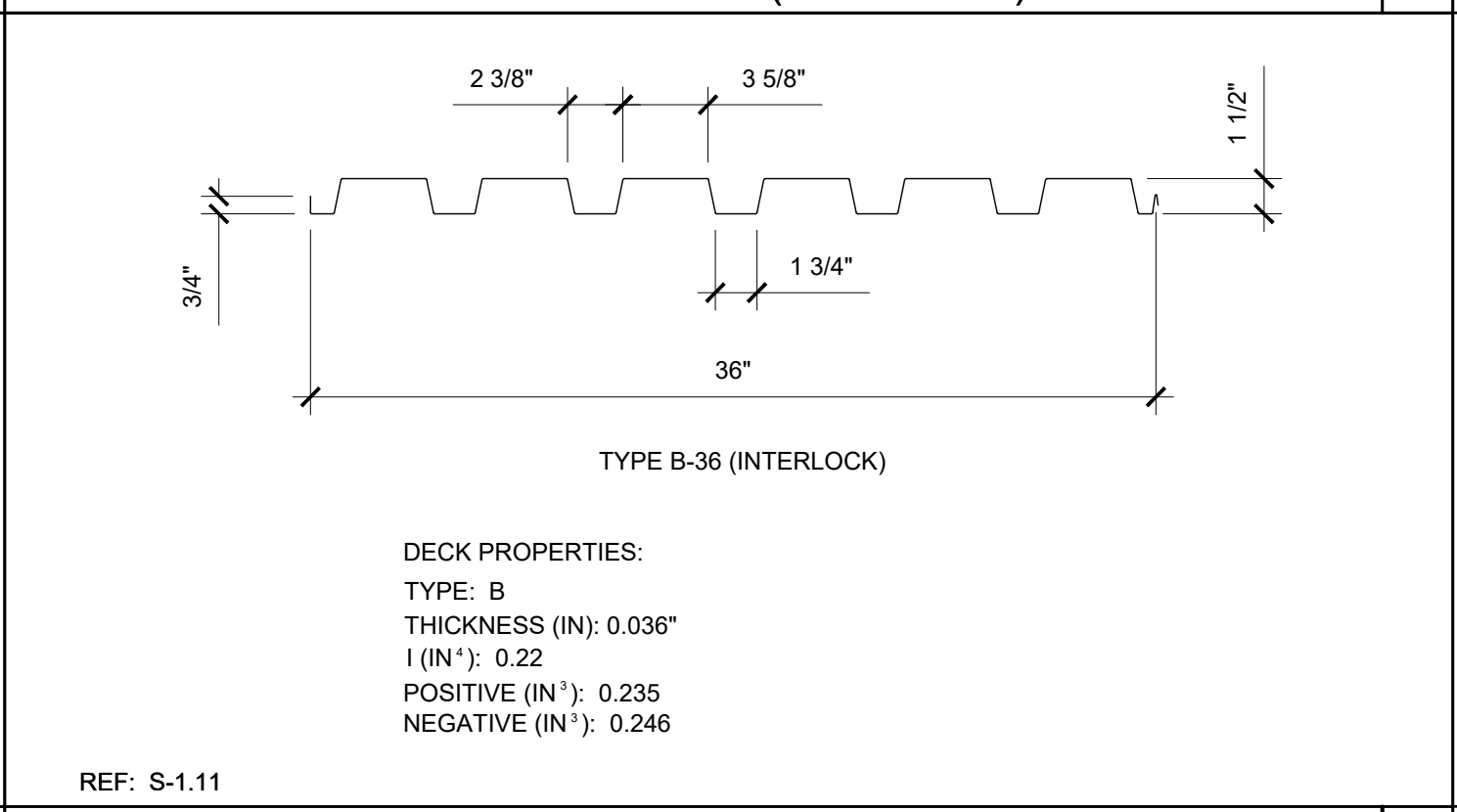
JOIST TO SIDE BEAM SCALE: 1 1/2" = 1'-0" 5



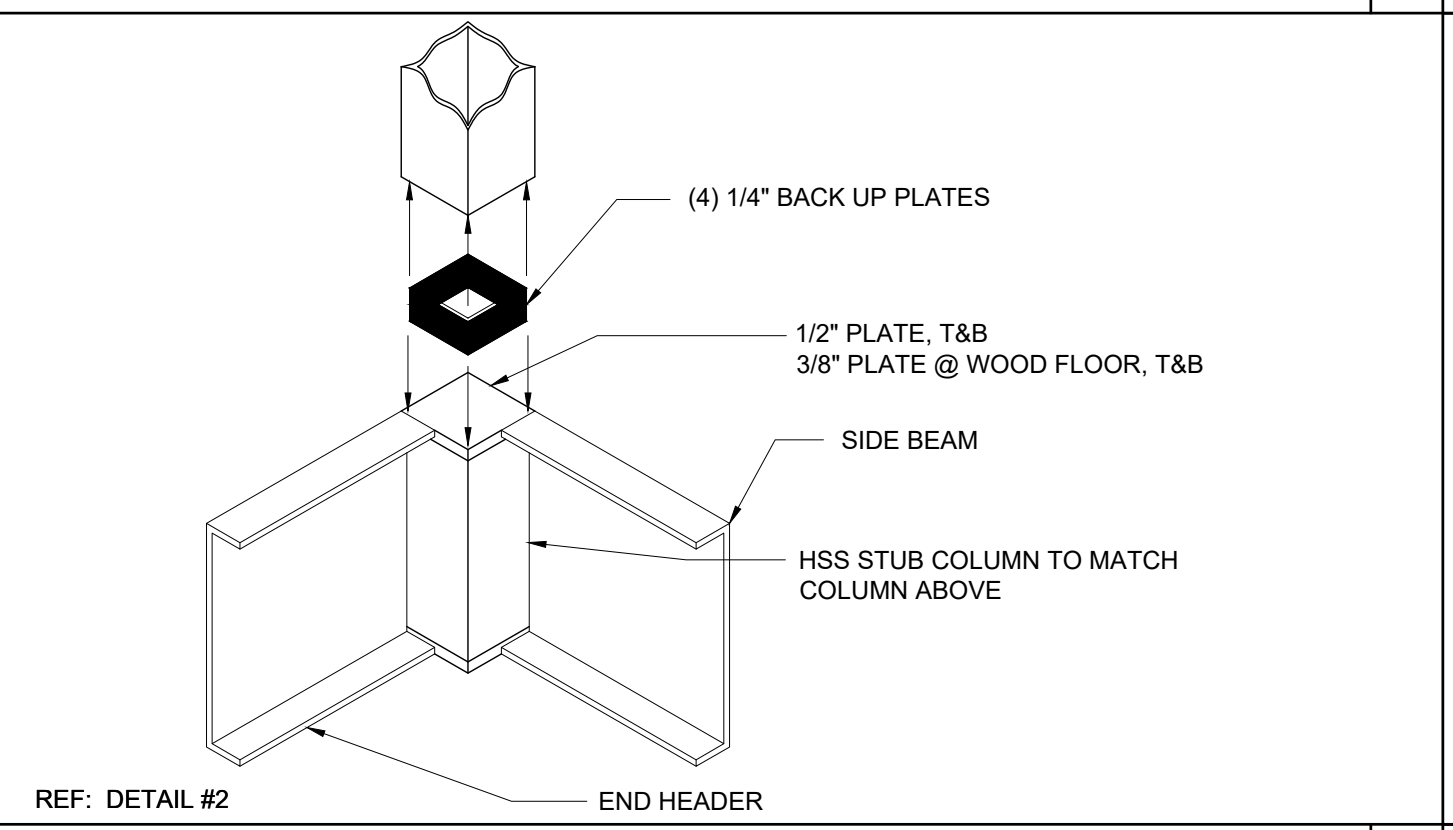
FLOOR DECK PROPERTY SCALE: 1 1/2" = 1'-0" 15



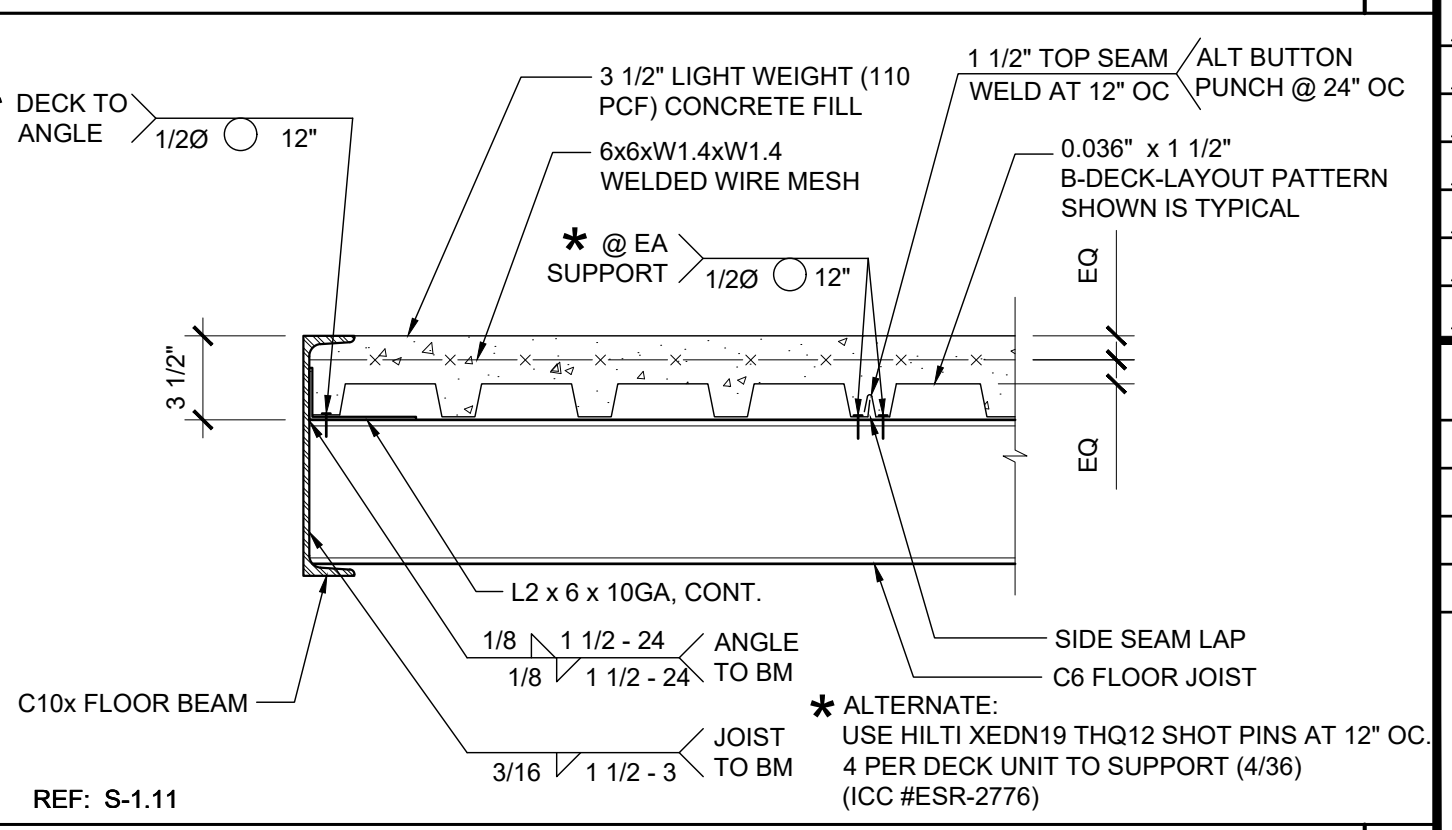
COLUMN CONNECTION AT FLOOR SCALE: NTS 10



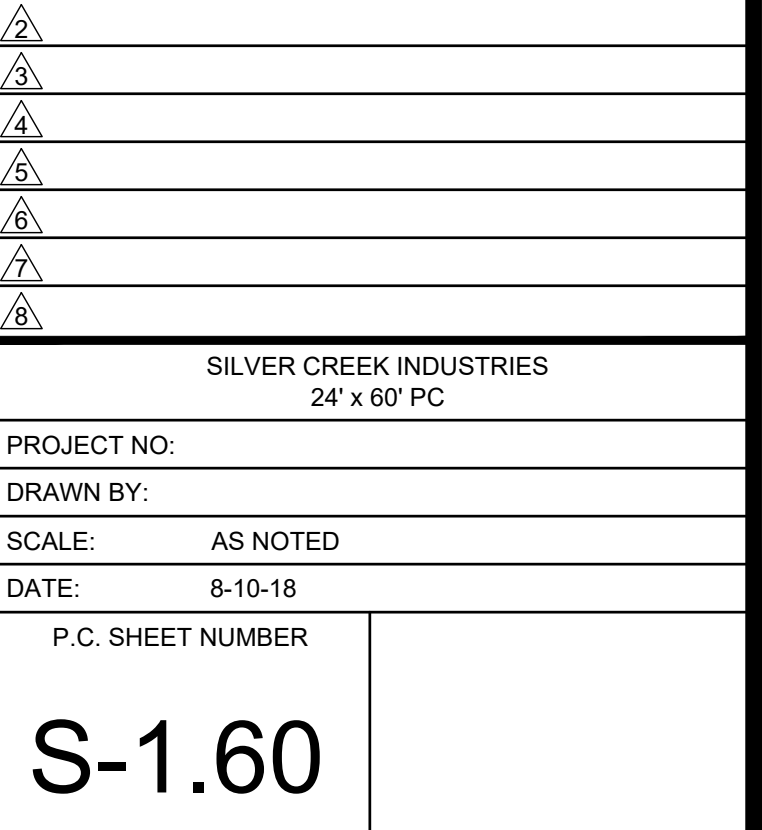
JOIST TO SIDE BEAM SCALE: 1 1/2" = 1'-0" 5



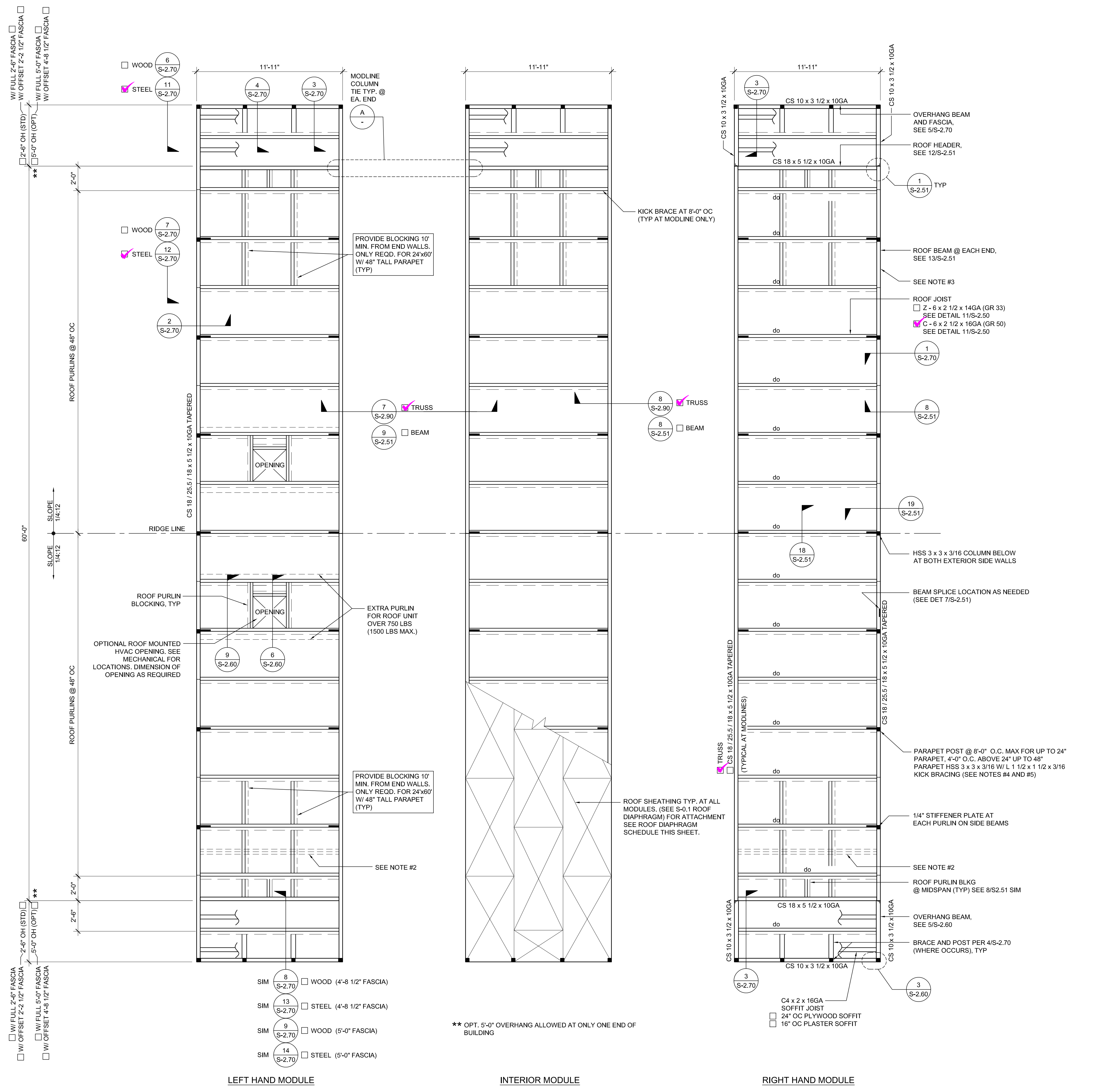
FLOOR DECK PROPERTY SCALE: 1 1/2" = 1'-0" 15



COLUMN CONNECTION AT FLOOR SCALE: NTS 10



JOIST TO SIDE BEAM SCALE: 1 1/2" = 1'-0" 5



- NOTES**
- FOR WALL MOUNTED HVAC UNIT, PROVIDE OPENING THROUGH REAR ROOF HEADER WHERE IT OCCURS. SEE FLOOR PLAN FOR HVAC LOCATION. SEE 5, 15 / S-2.50 OR 5, 15/S-2.51 FOR DETAILS
 - OPTIONAL PURLIN FOR FIRE SPRINKLER LINE AS NEEDED. LOCATION OF FIRE SPRINKLER PURLIN TO BE DETERMINED BY SITE STIFFENER PLATE OR ANGLE BRACE REQUIRED AT THIS LOCATION. FOR FIRE SPRINKLER LINE SIDE BEAM PENETRATION, SEE 14 / S-2.50 OR 14 / S-2.51 DETAILS.
 - FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS
 - PARAPET HSS POST AND KICK BRACING REQUIRED WHERE PARAPET HEIGHT IS OVER 9'
 - PARAPET HEIGHT TO BE DETERMINED BY ARCHITECT BEFORE FABRICATION. (4" MIN. TO 4'-0" MAX.) (SEE ARCHITECTURAL ELEVATION)

SILVER CREEK INDUSTRIES, INC.

Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**ROOF FRAMING PLAN
PARAPET**

ROOF DIAPHRAGM SCHEDULE

	FASTENER REQUIREMENTS
10' BLOCKED DIAPHRAGM 48" MAX. PARAPET HEIGHT (NOTE: OMIT BLOCKING @ BUILDINGS LARGER THAN 24'x60')	TEK SCREWS @ 4" OC B.N., 6" OC E.N., 6" OC F.N. @ BLOCKED DIAPHRAGM & 6" OC E.N., 6" OC F.N. @ NON-BLOCKED ROOF AREA

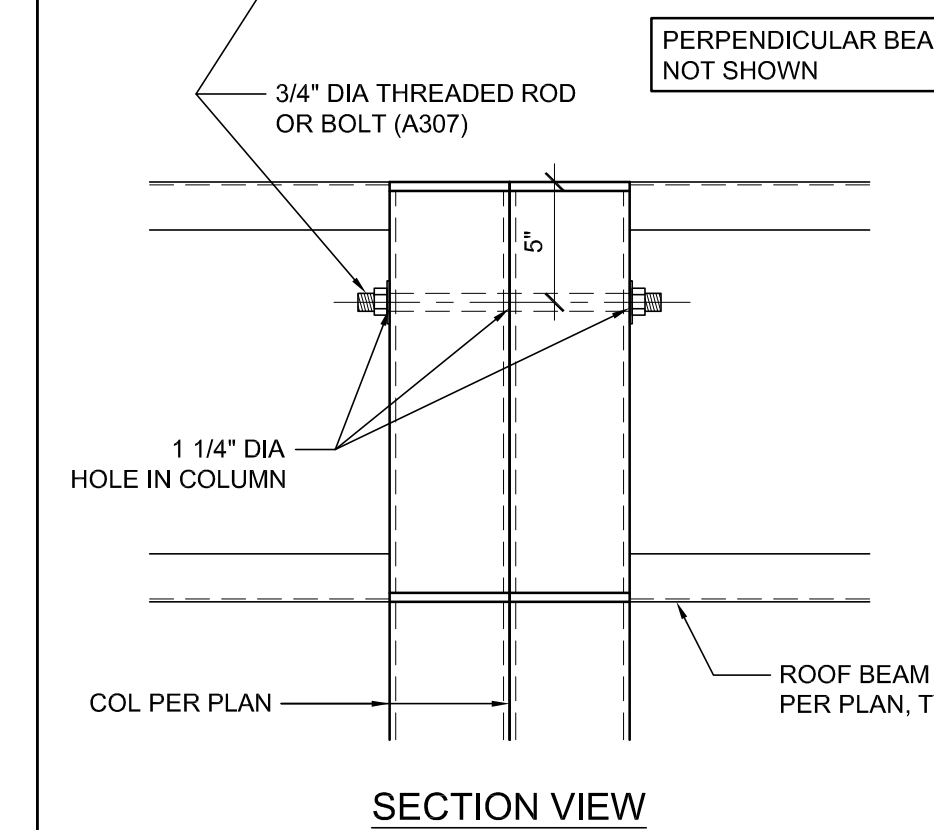
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SS FLS ACS
DATE: 12/17/2020

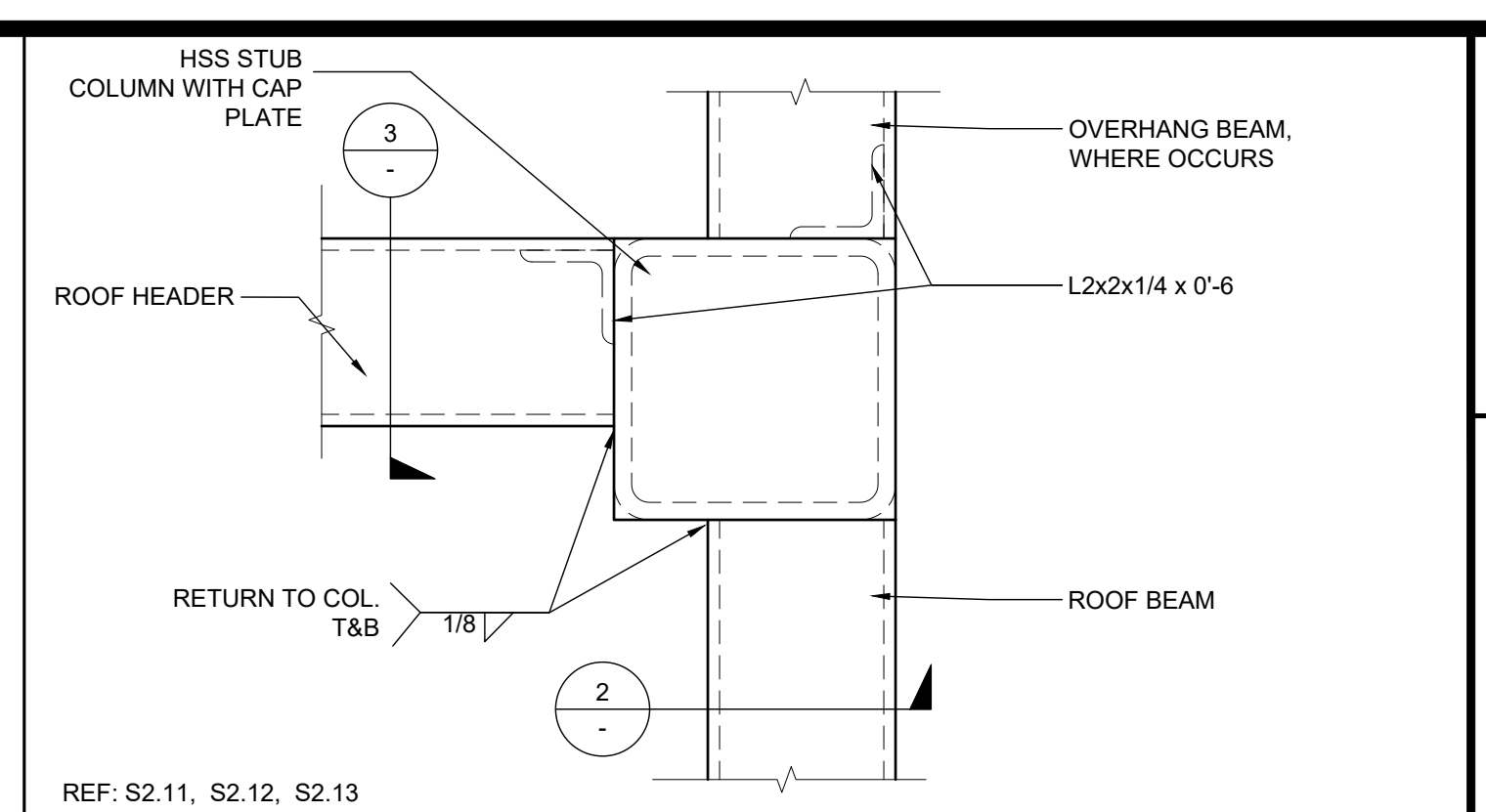
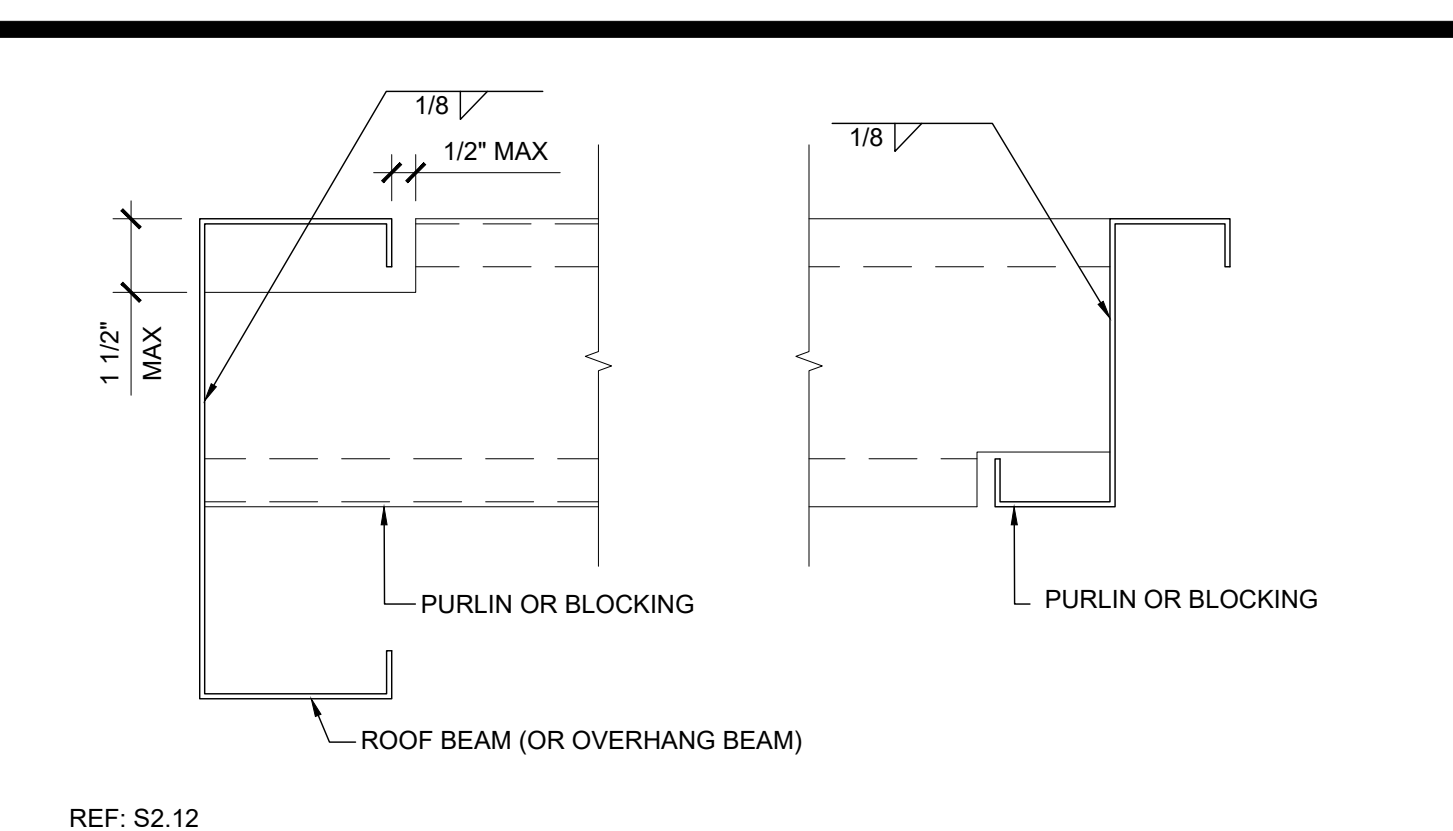
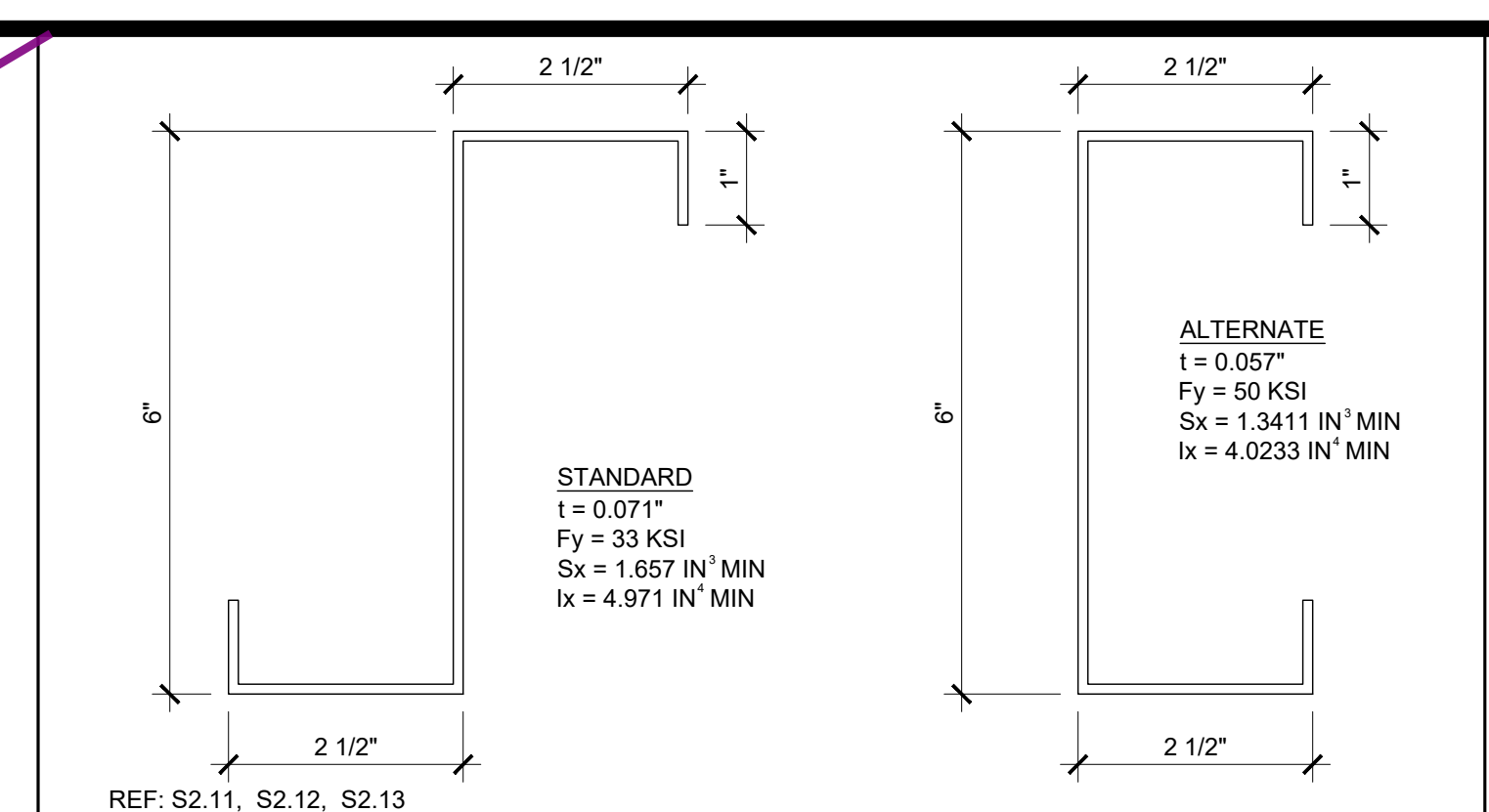
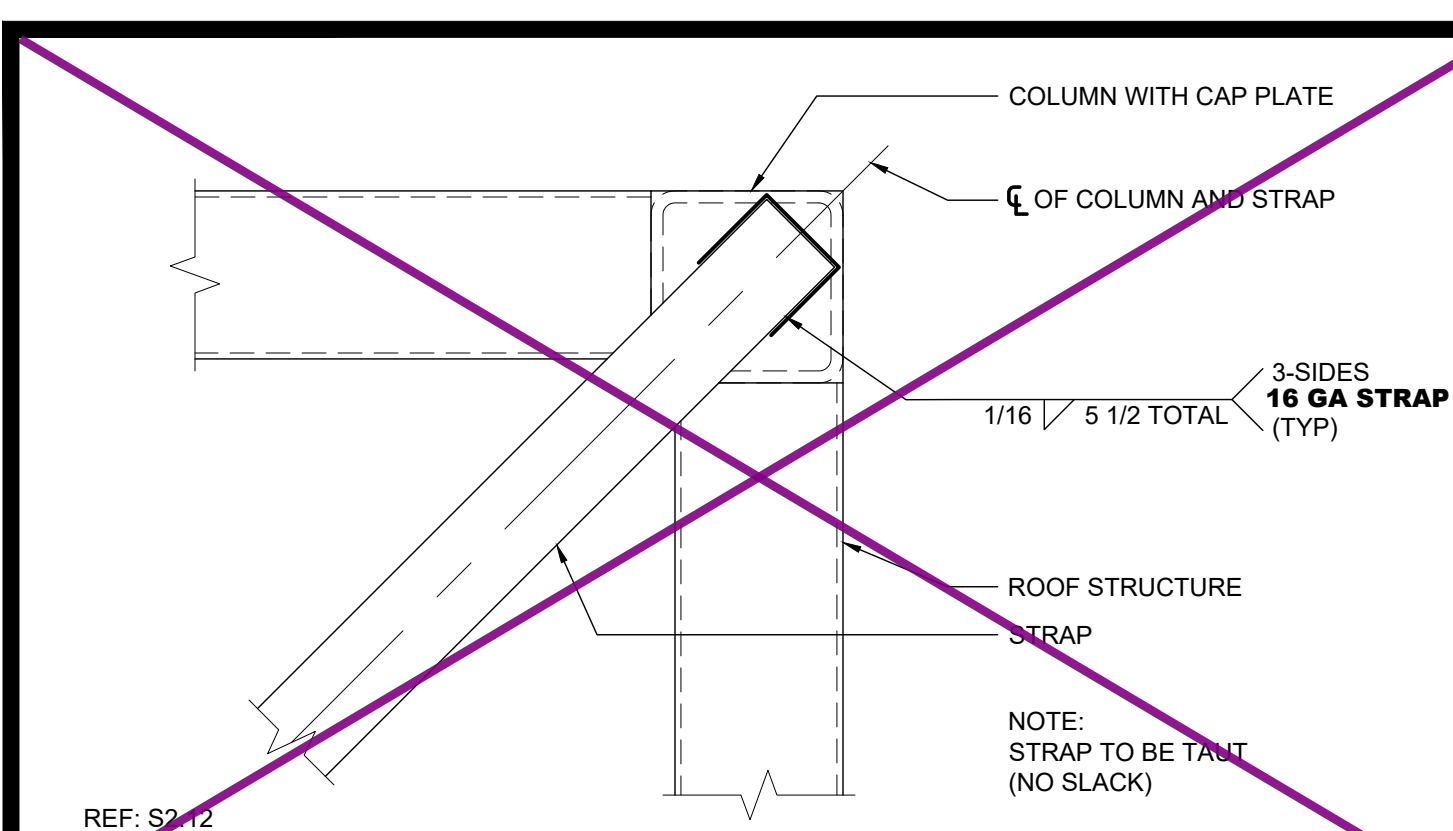
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DIVISION OF THE STATE ARCHITECT
04 - 116719 INCR: 0
AC_RM_FLS_DS_SSR KER
DATE: 10/05/2018



SCALE: 1/4" = 1'-0" **1** MODLINE TIE SCALE: 1 1/2" = 1'-0" **A**

S-2.13



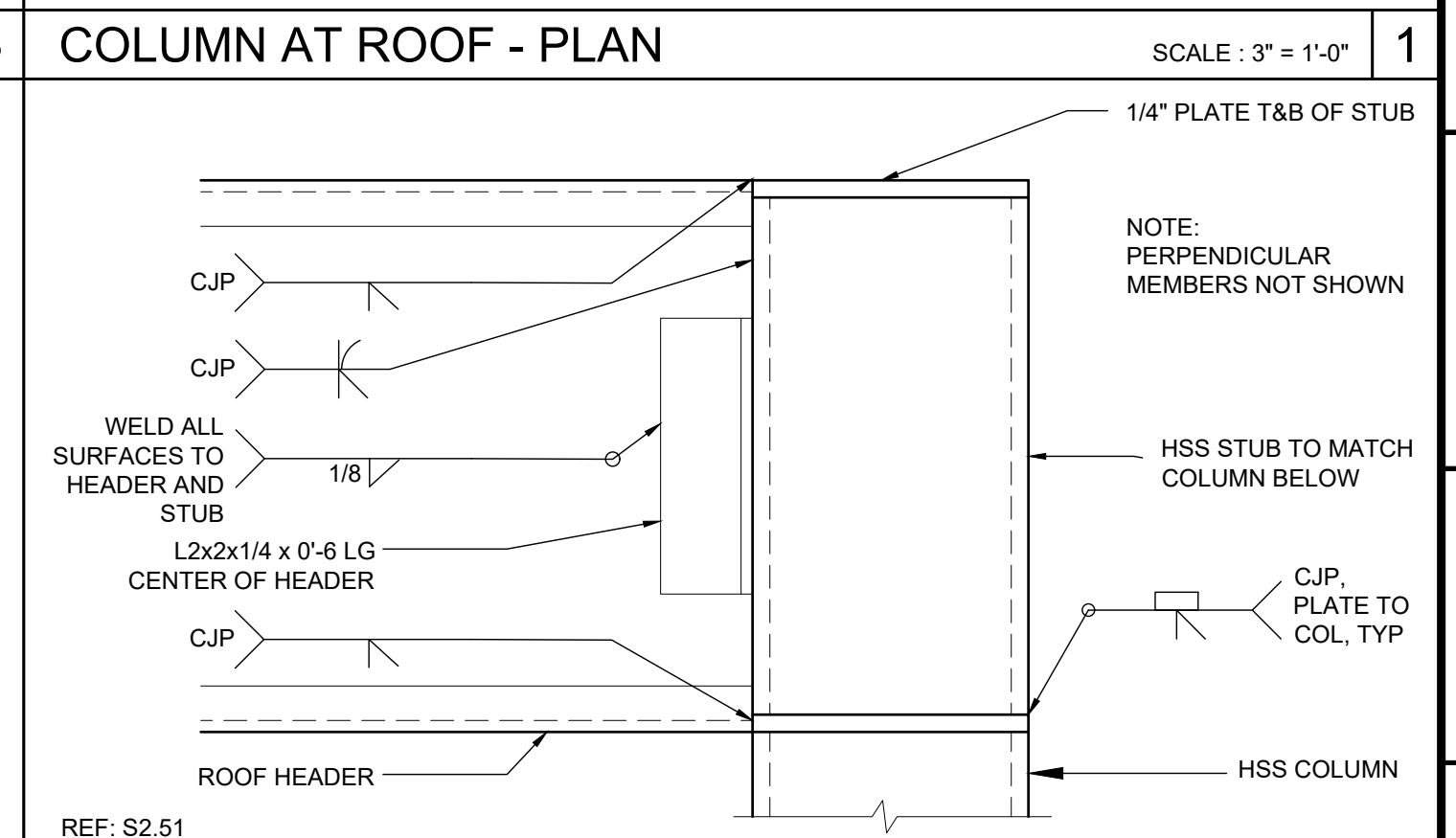
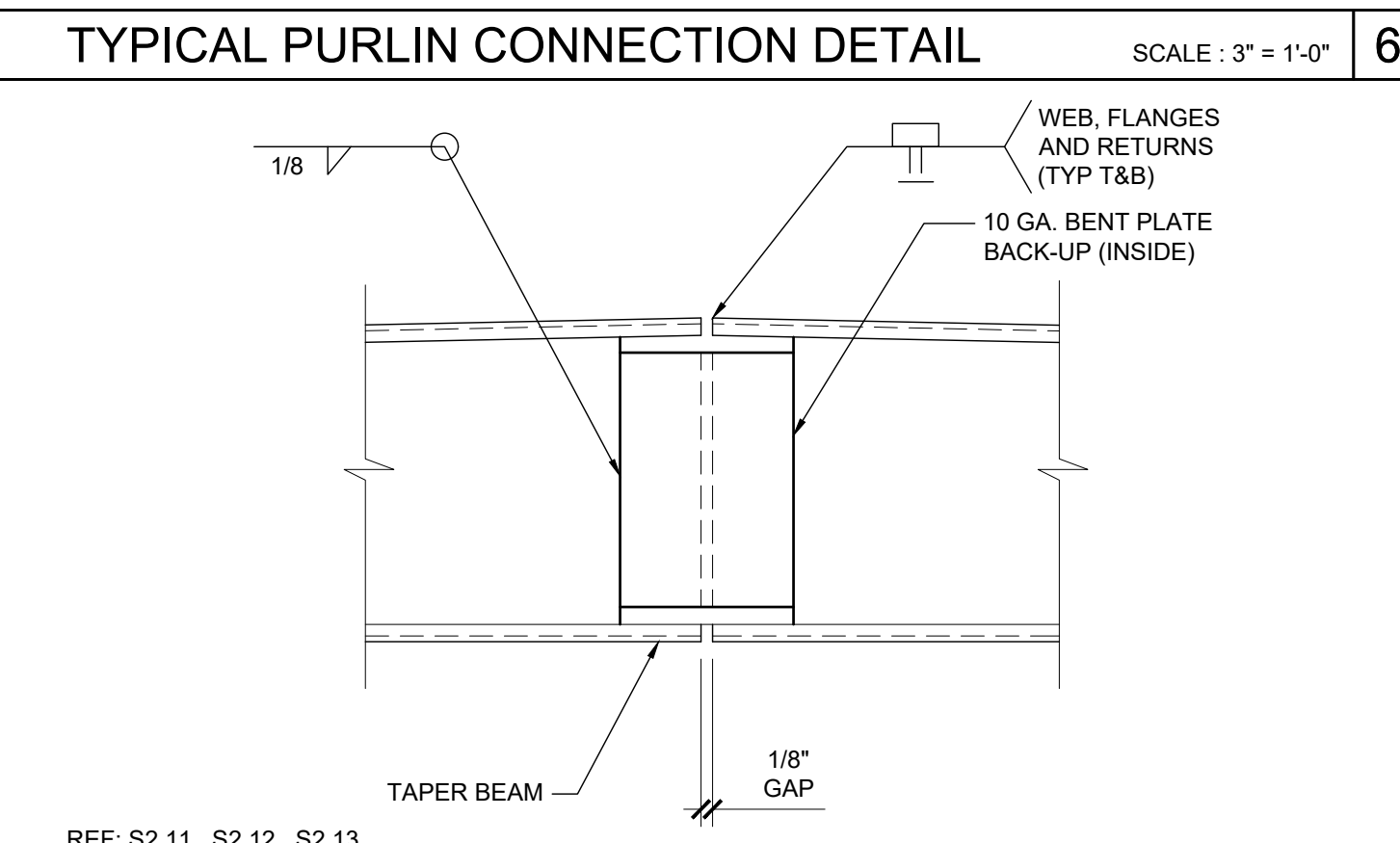
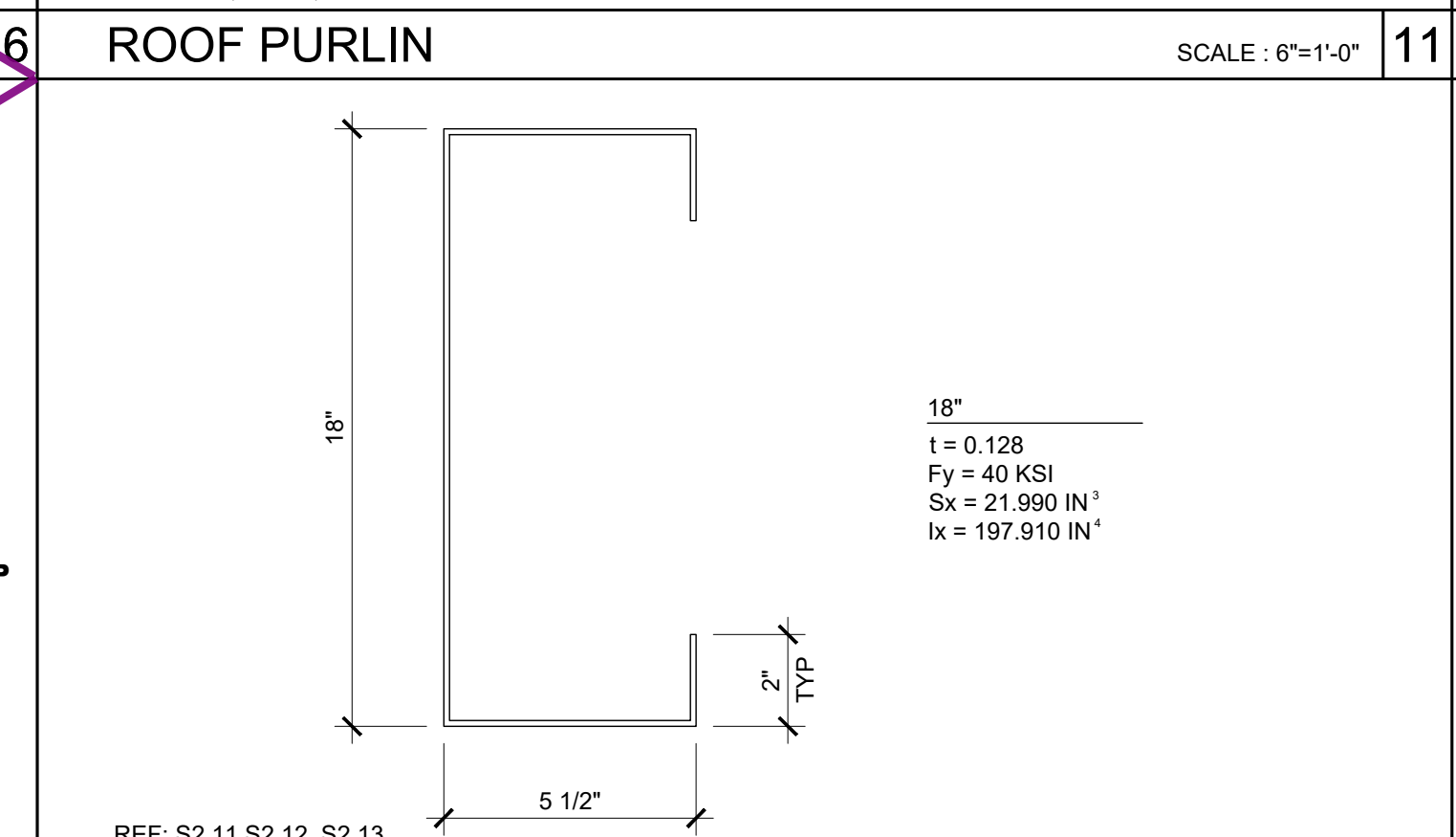
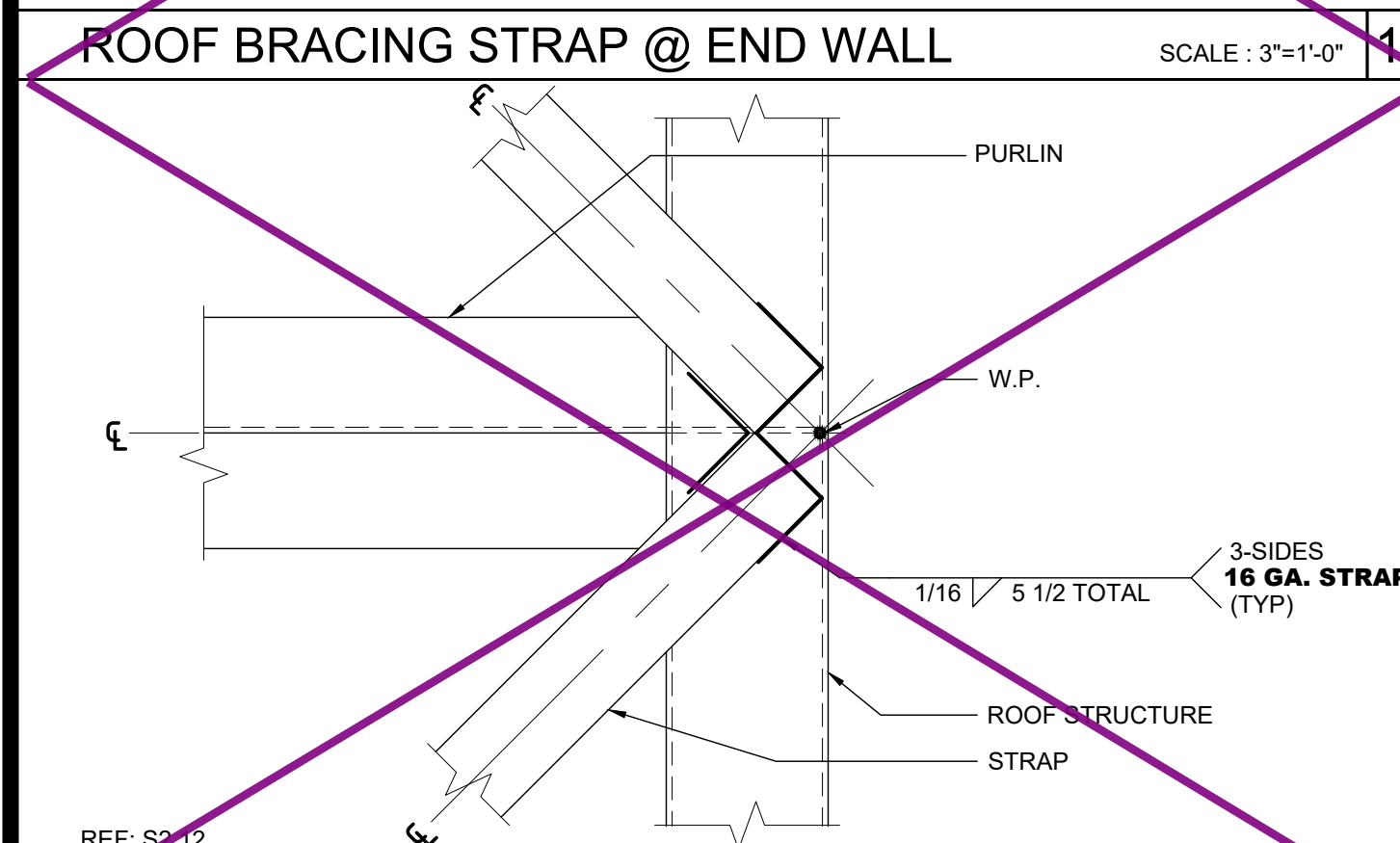
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SILVER CREEK

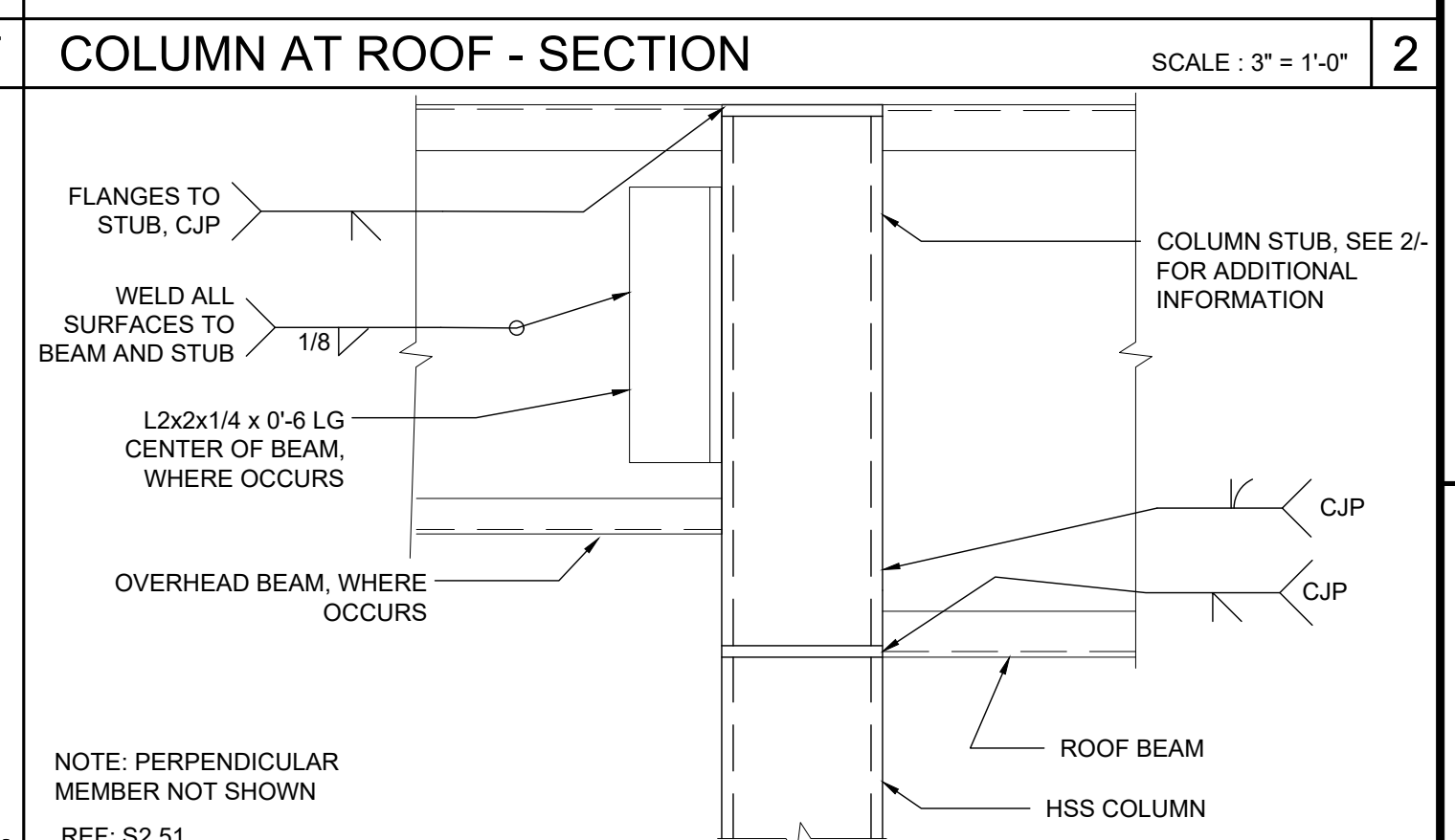
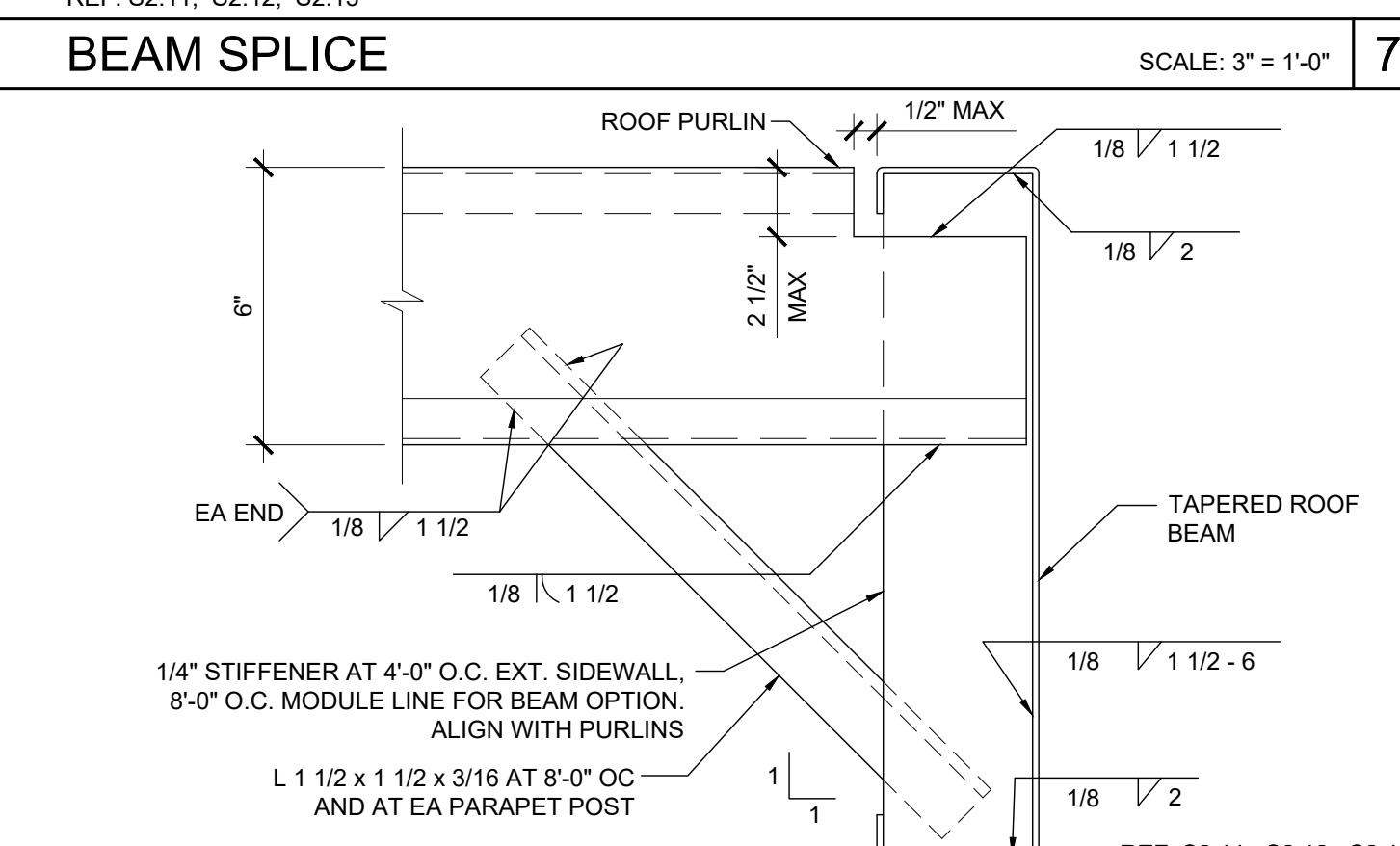
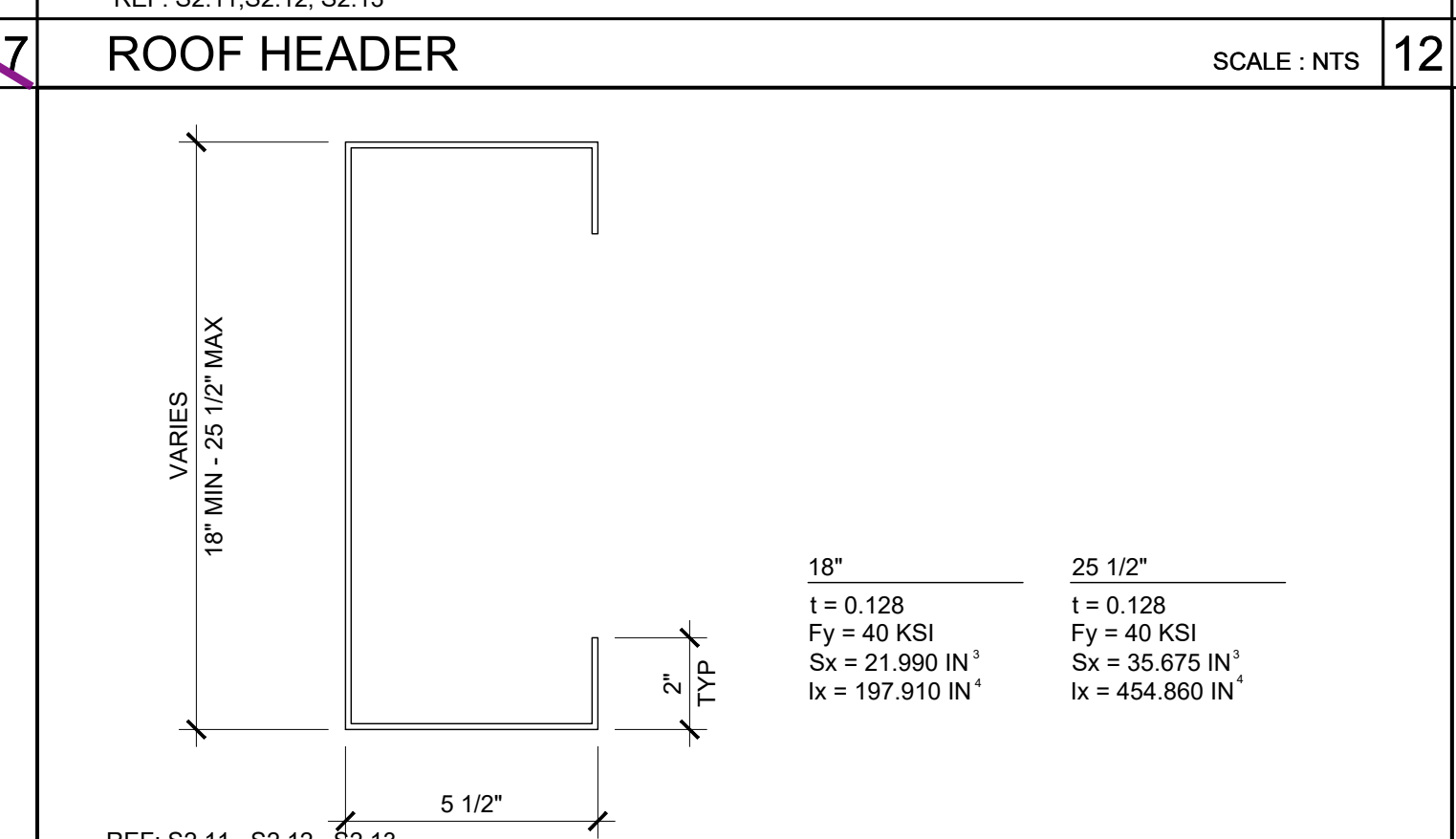
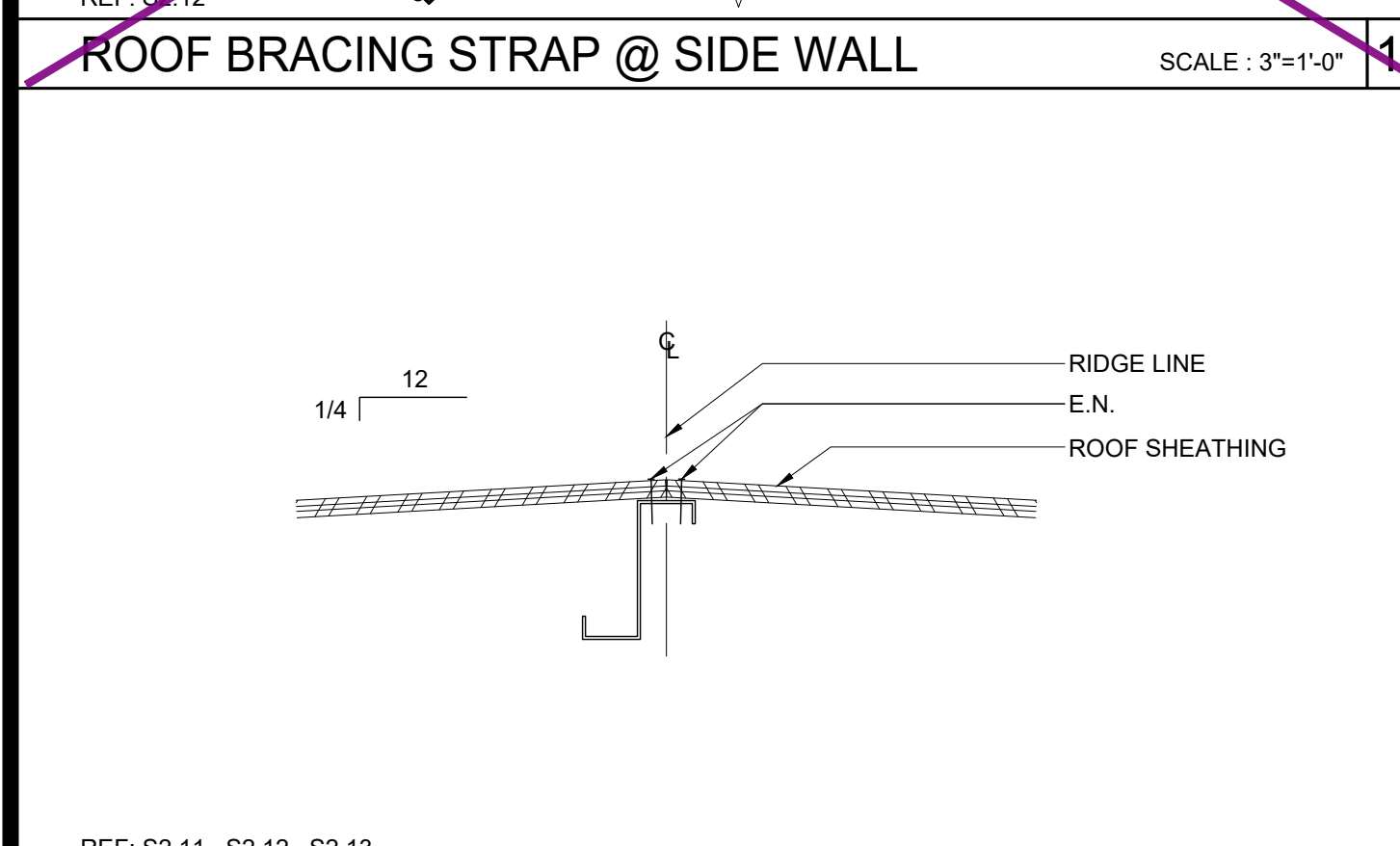
Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

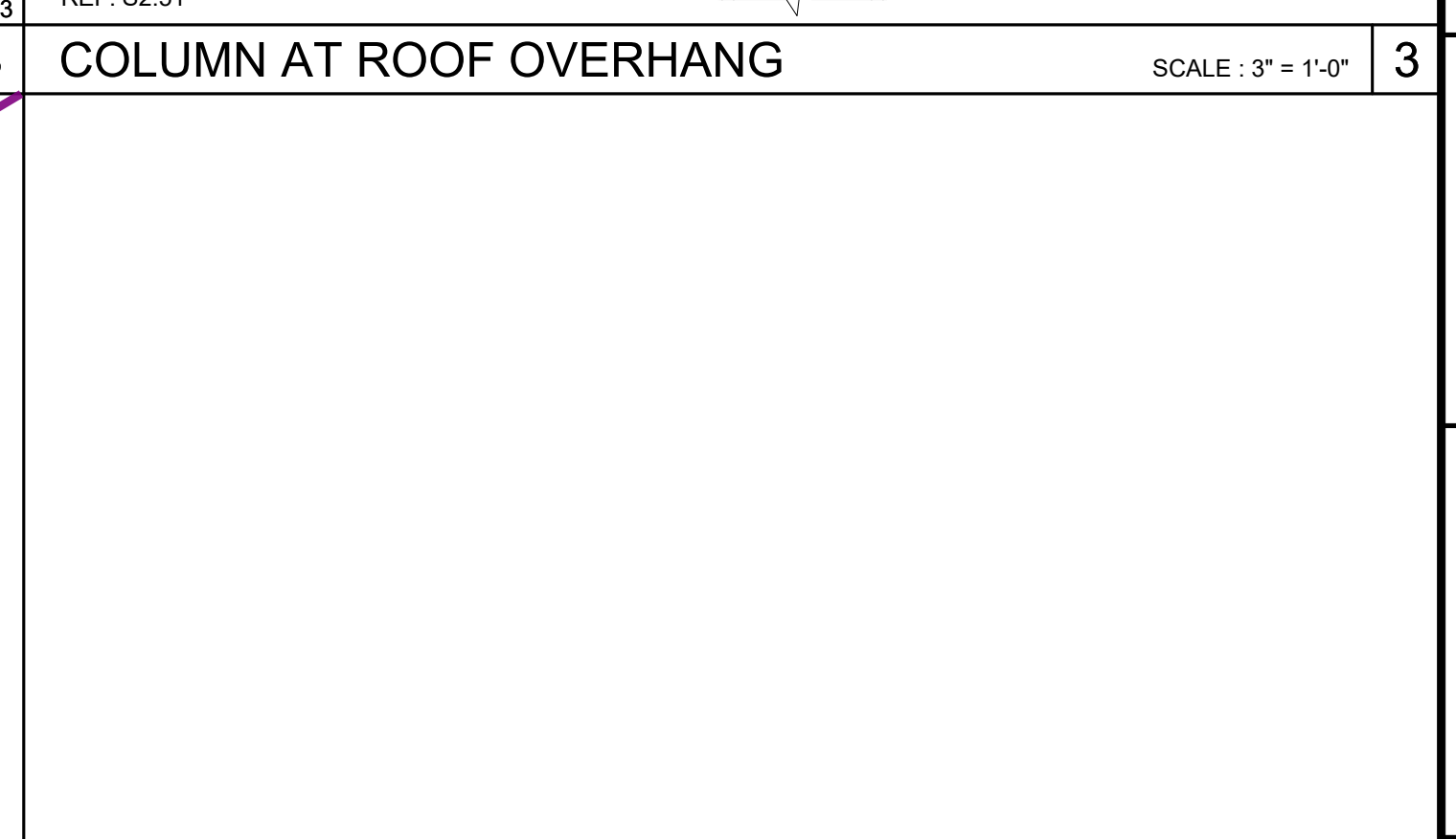
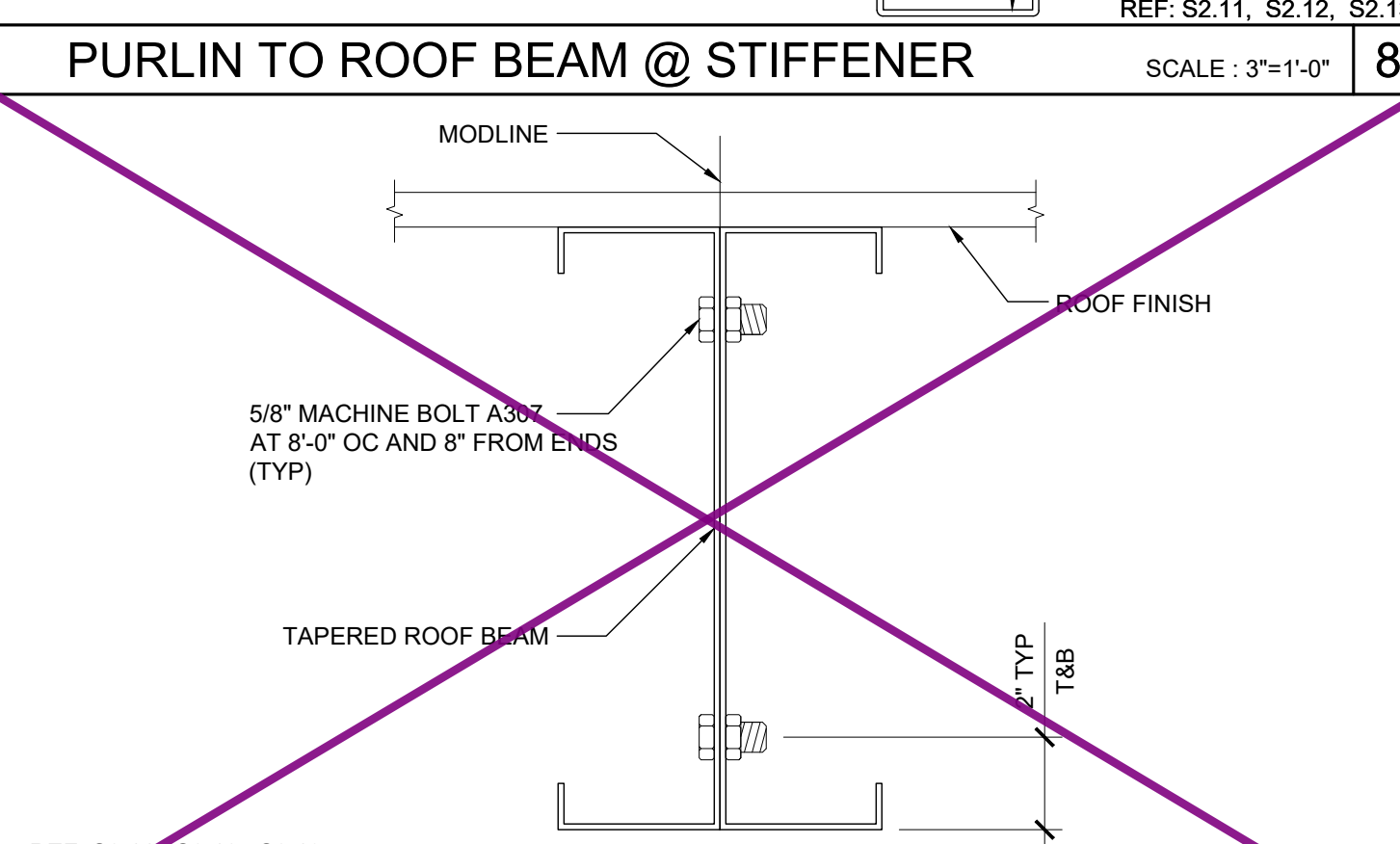
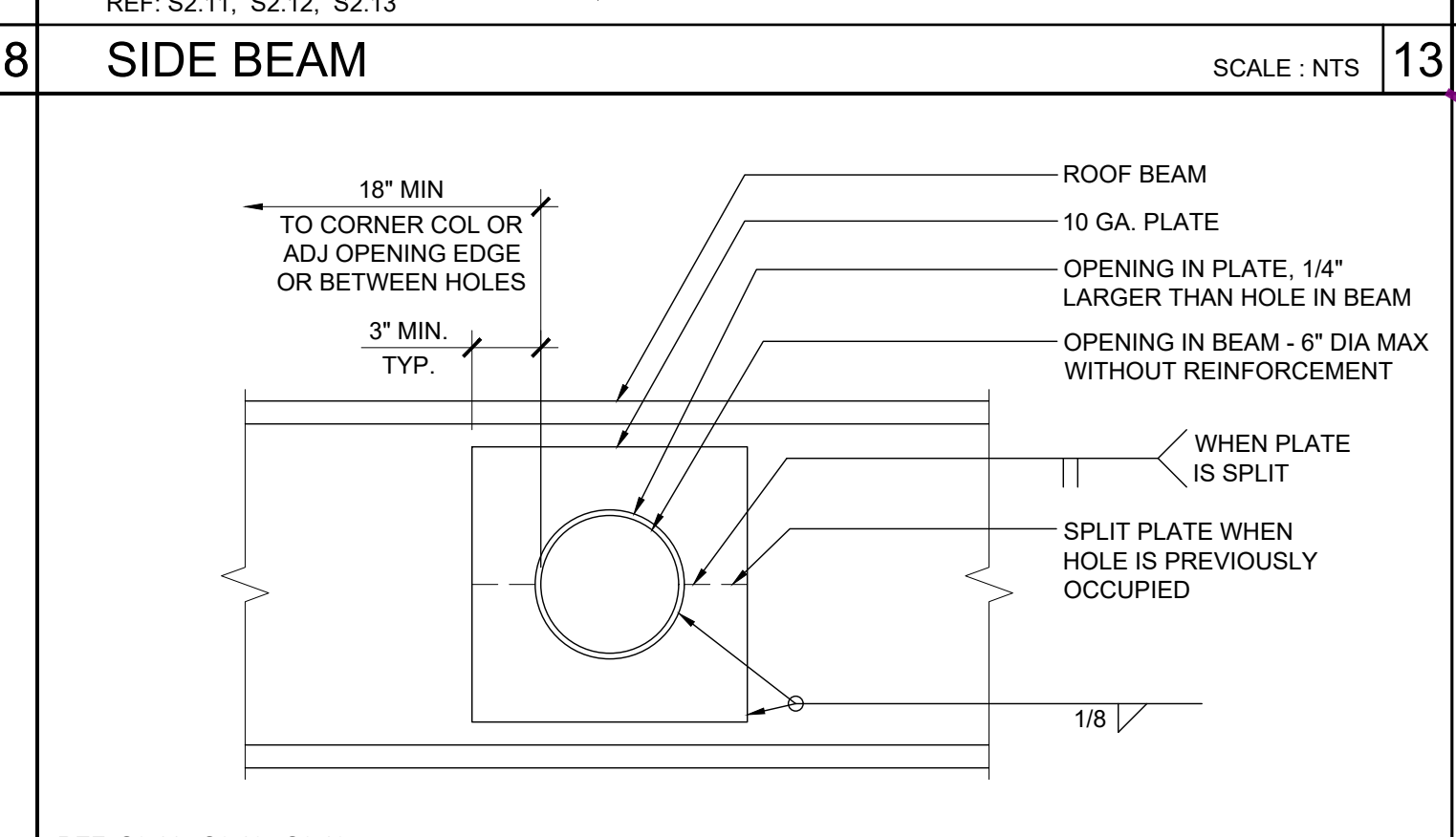
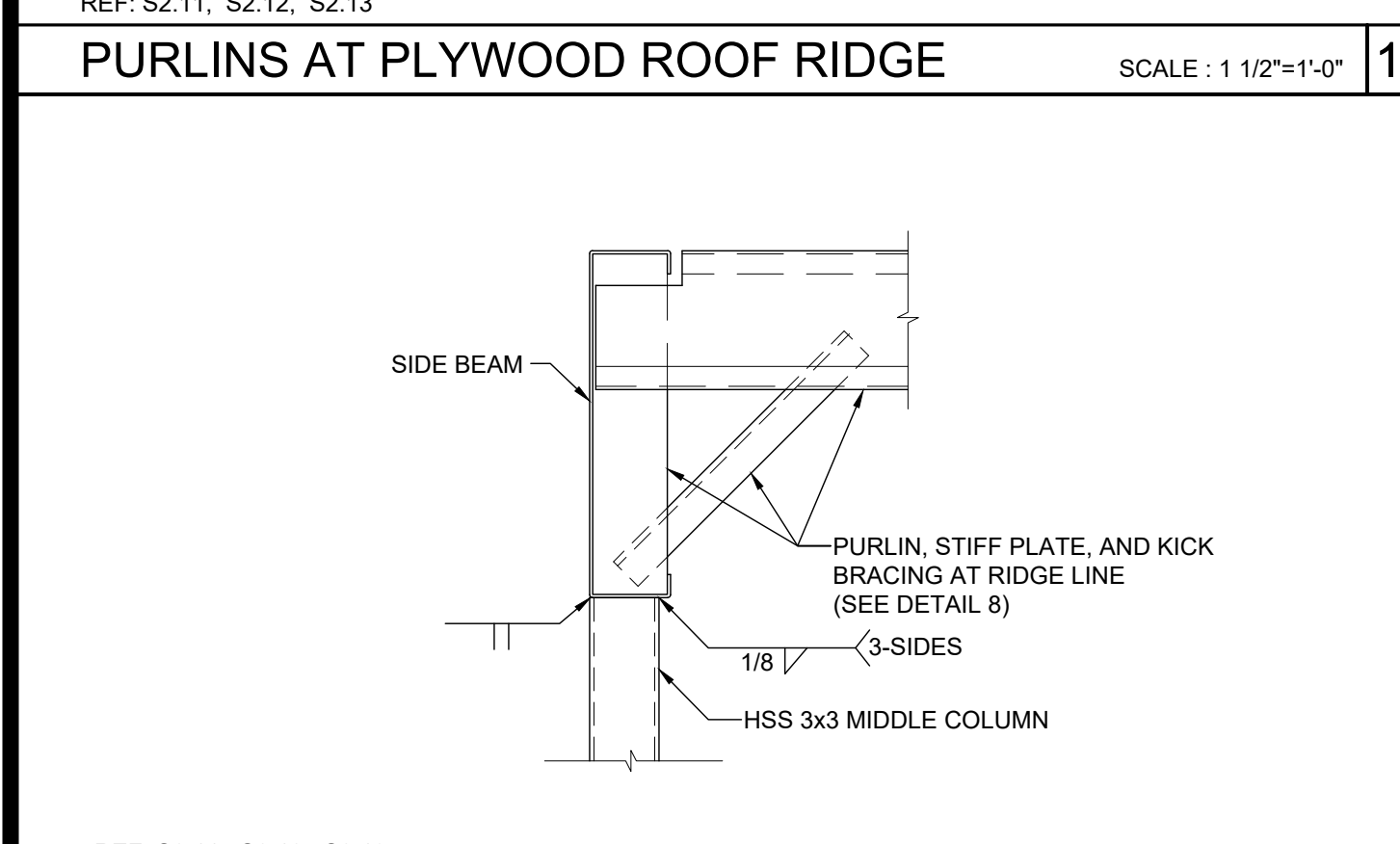


PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE**
 (1) 72'x60' TESTING & OFFICE BLDG

SHEET TITLE:
**ROOF FRAMING
 DETAILS
 DUAL SLOPE**



ARCHITECT OF RECORD
 SUBMISSION DATE

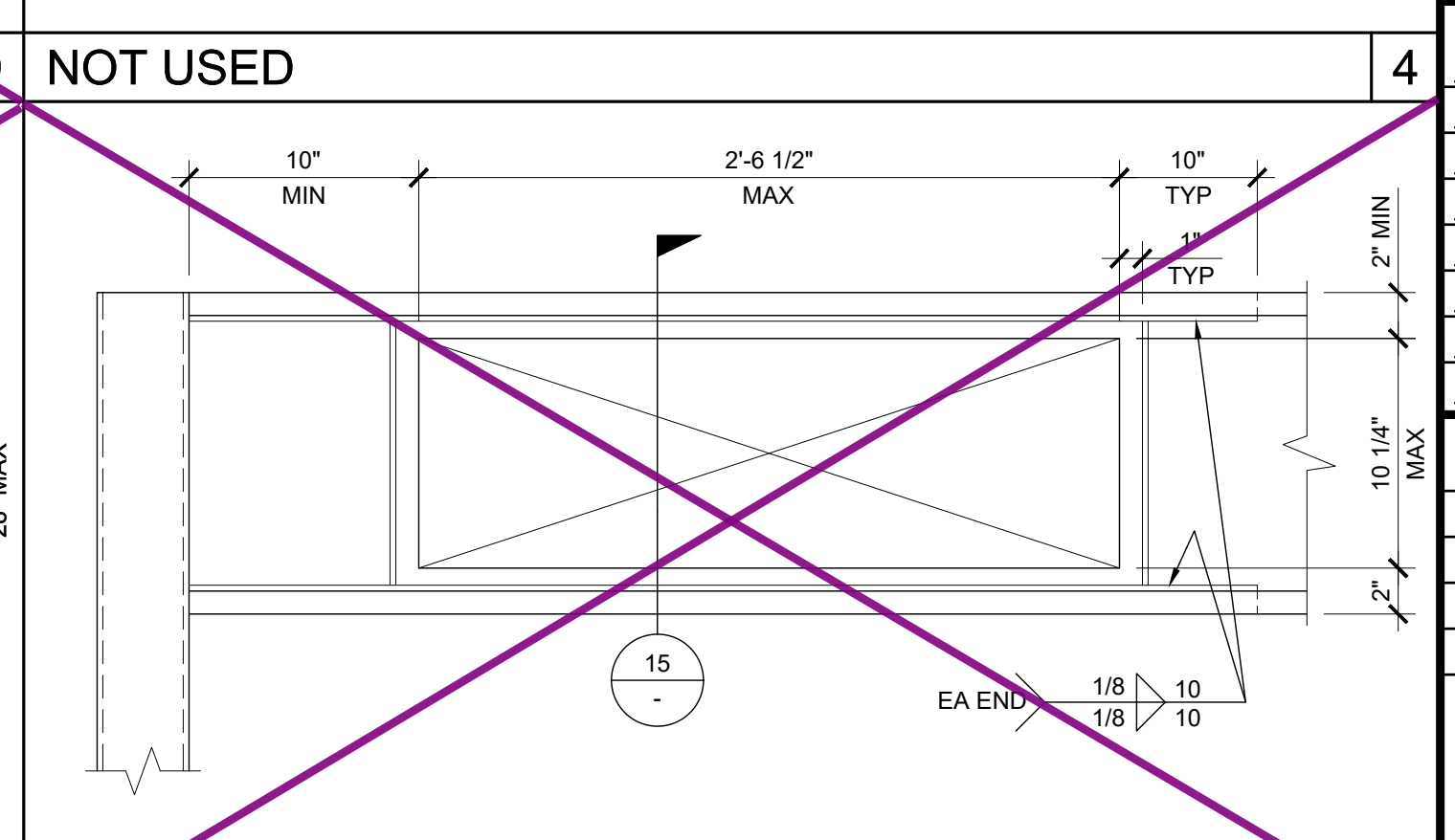
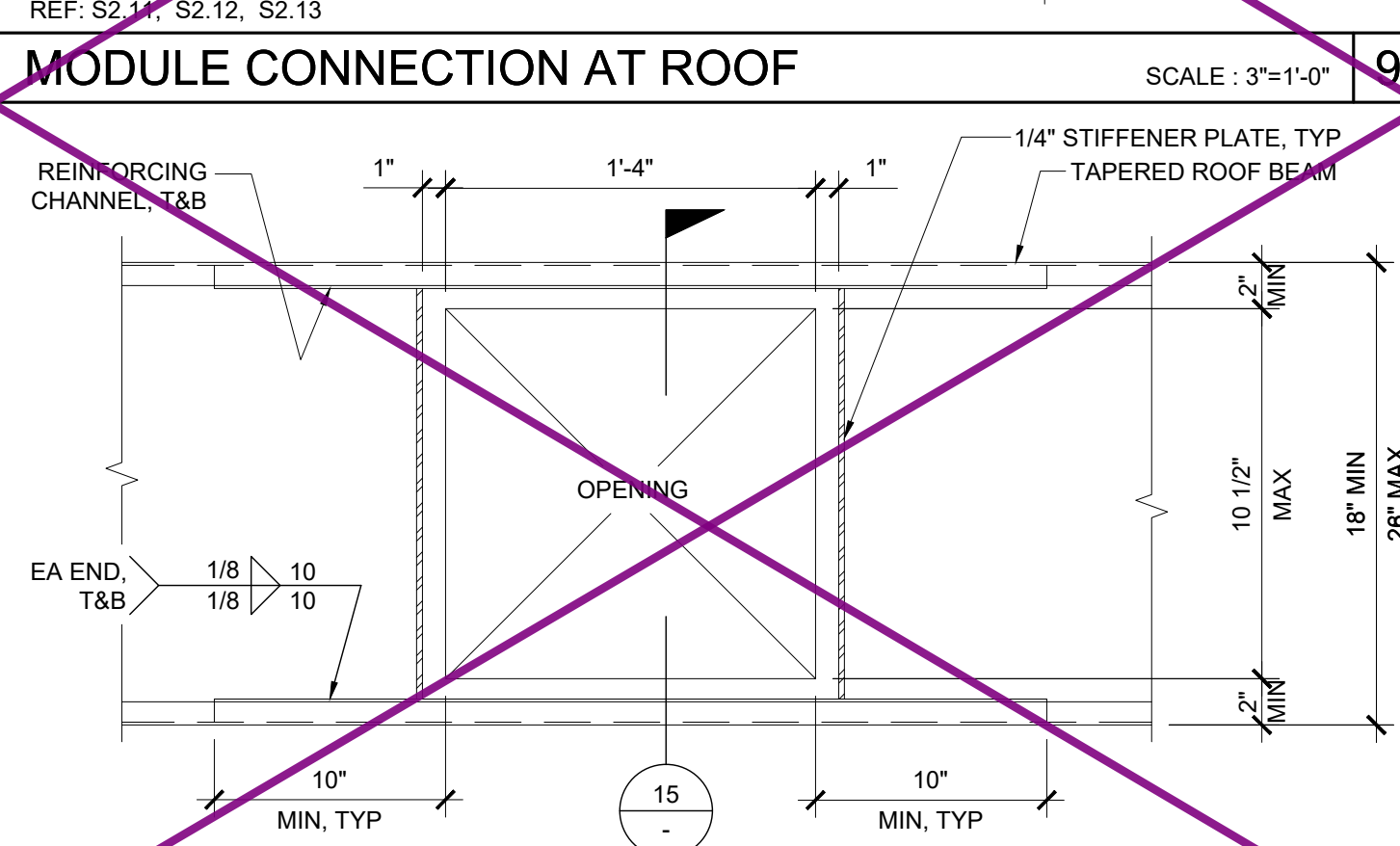
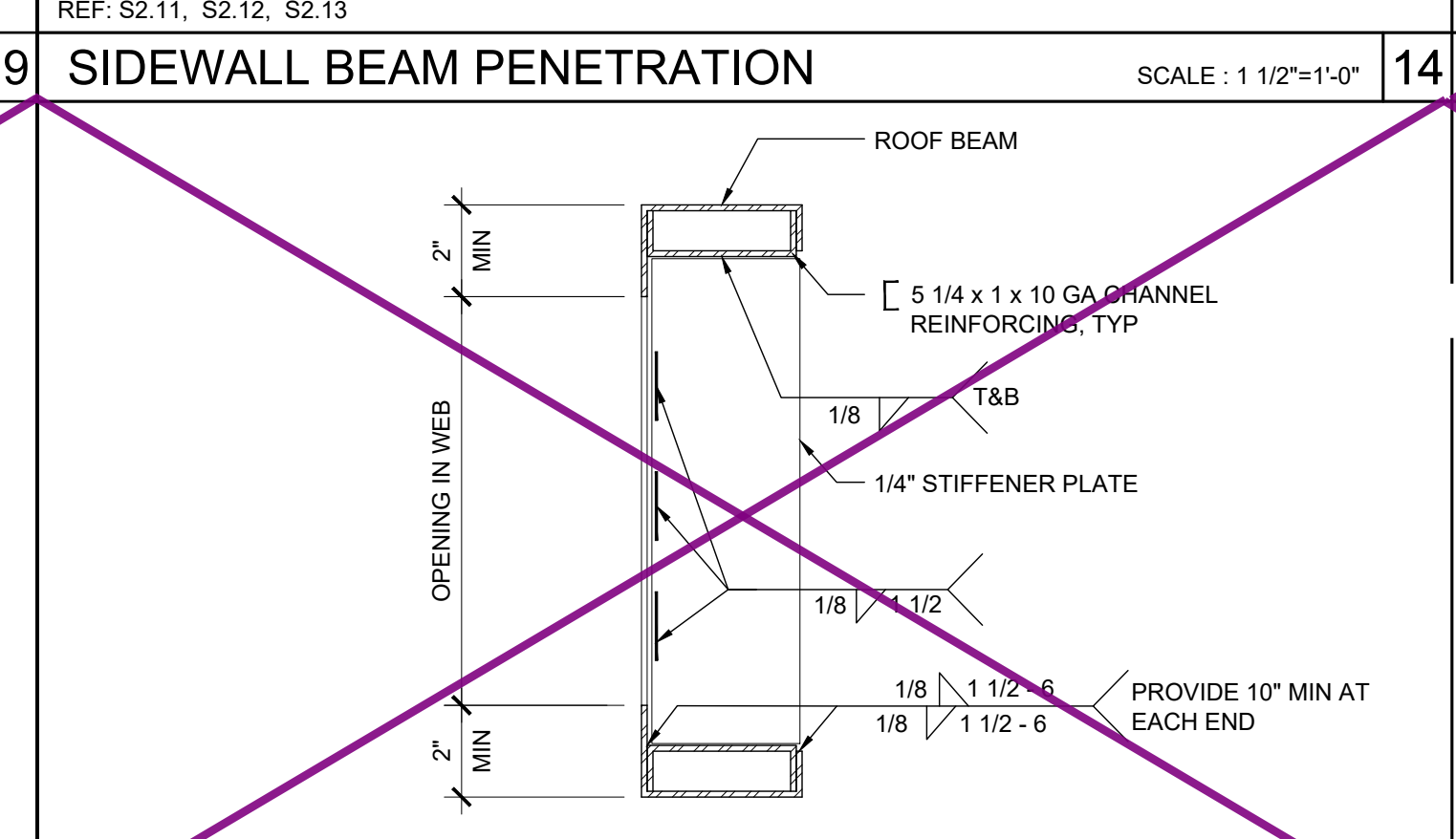
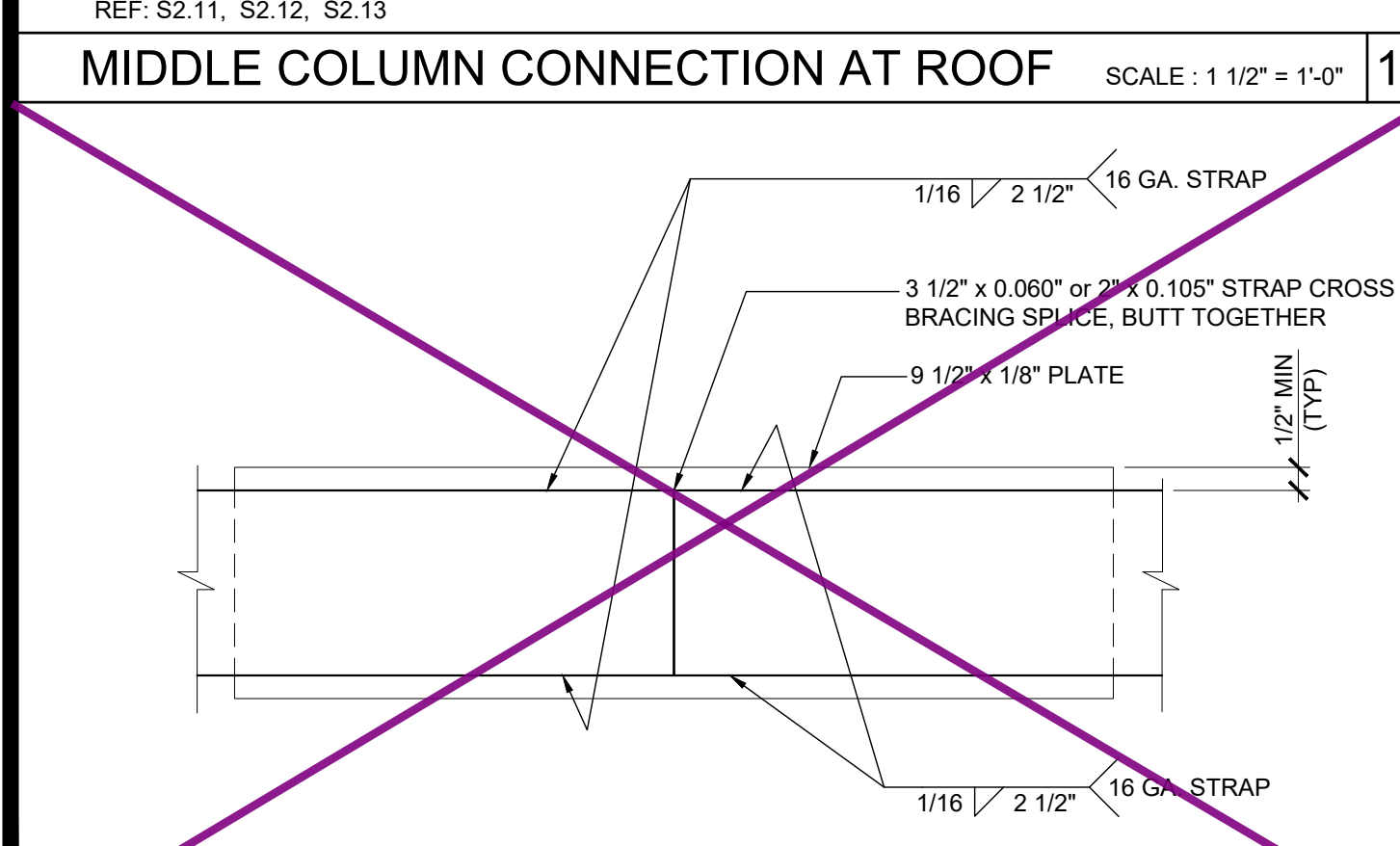


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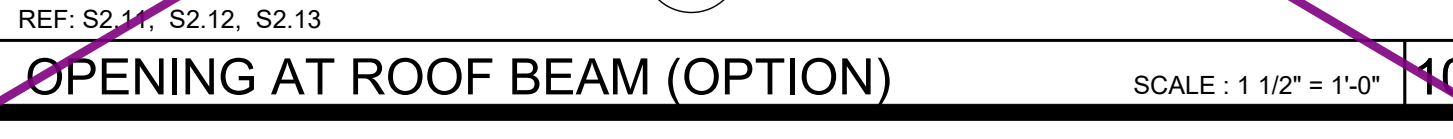
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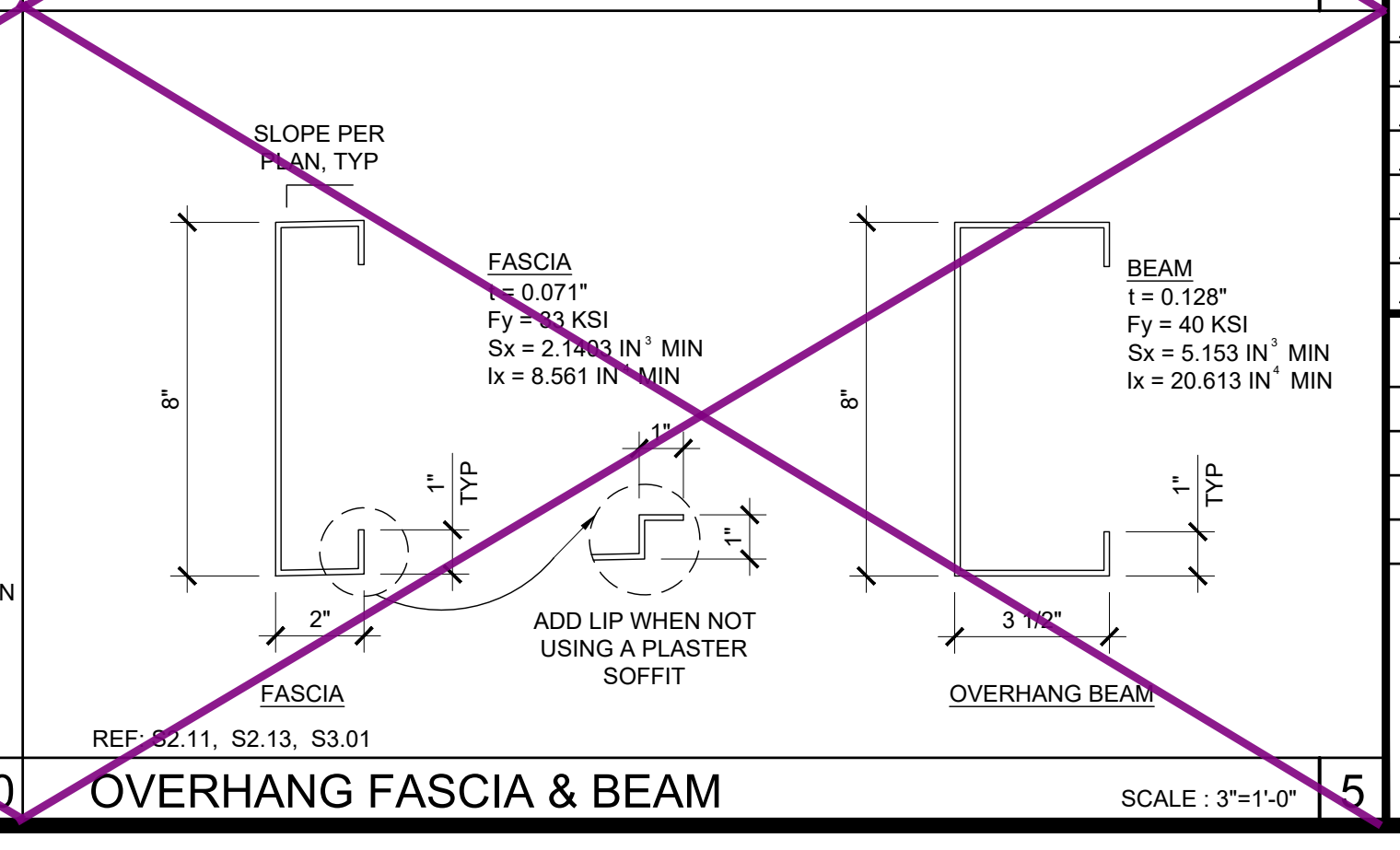
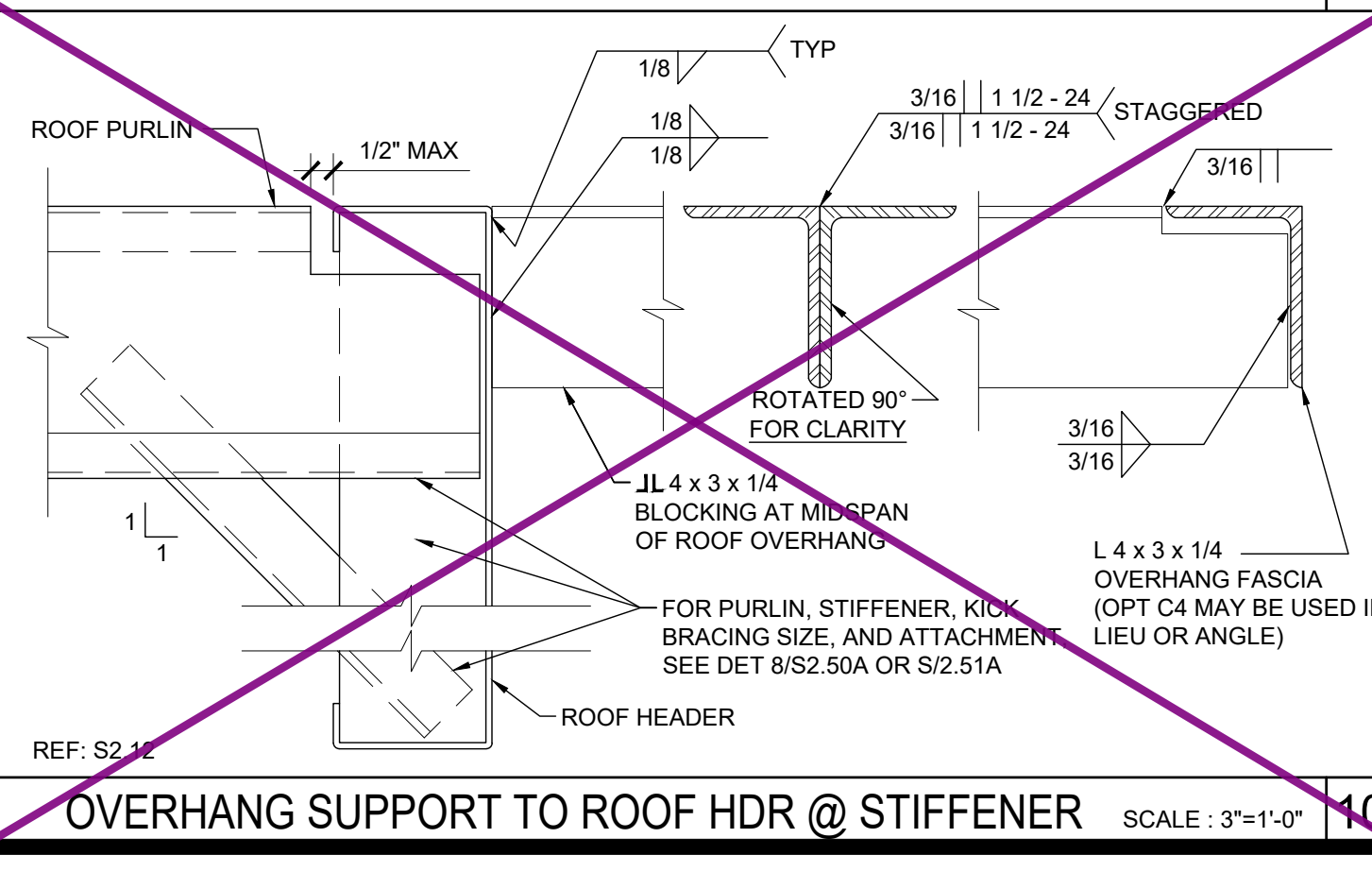
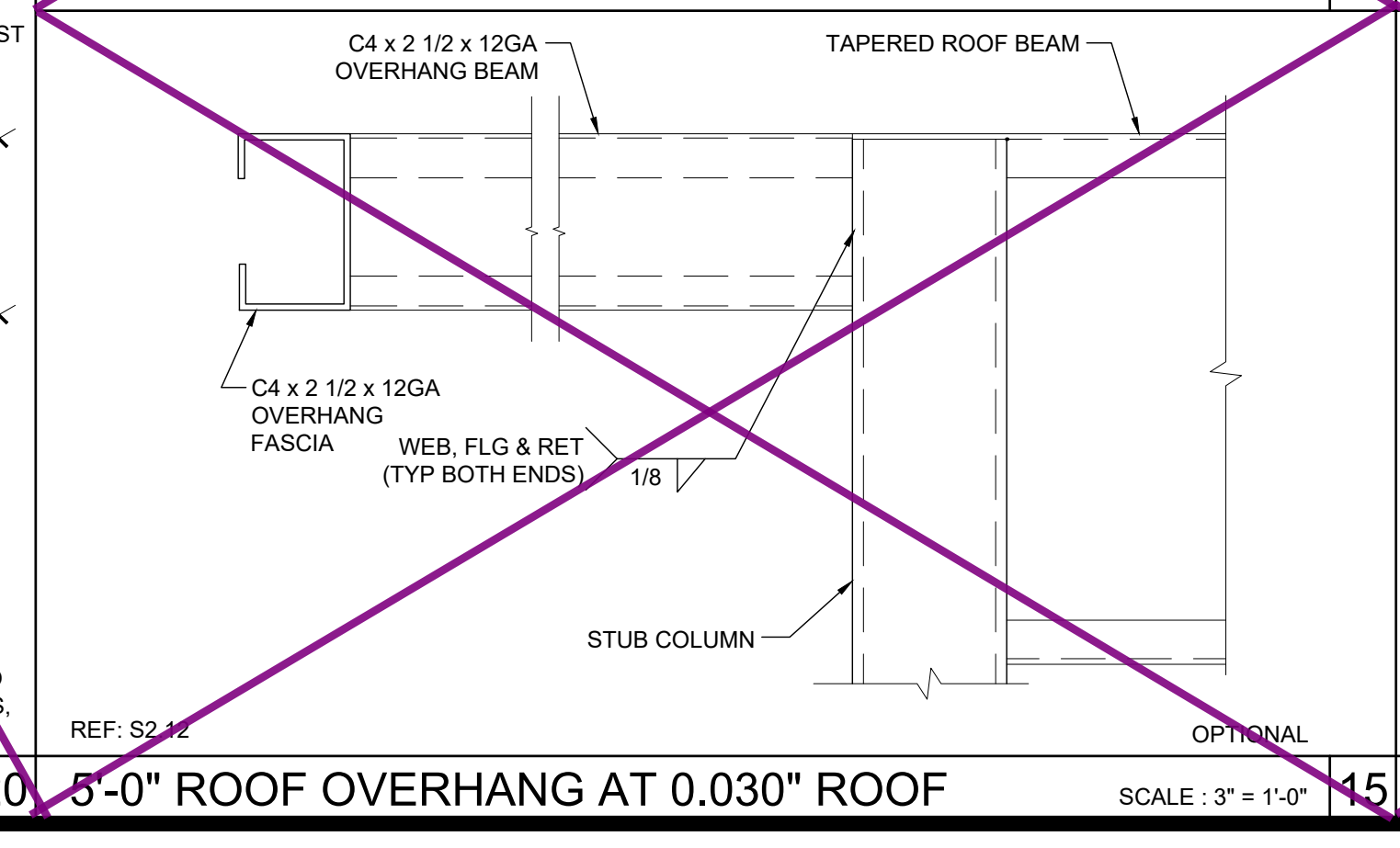
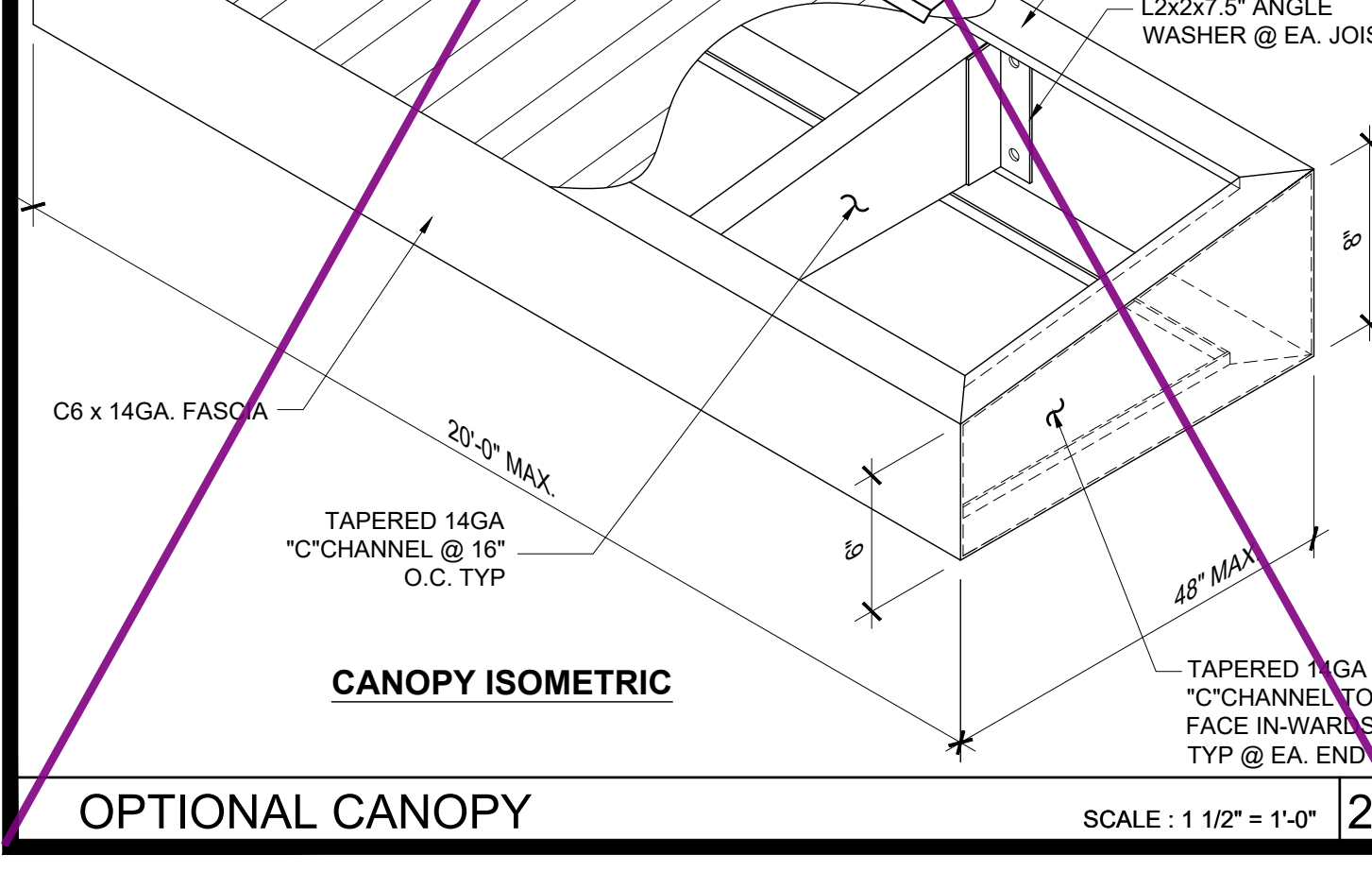
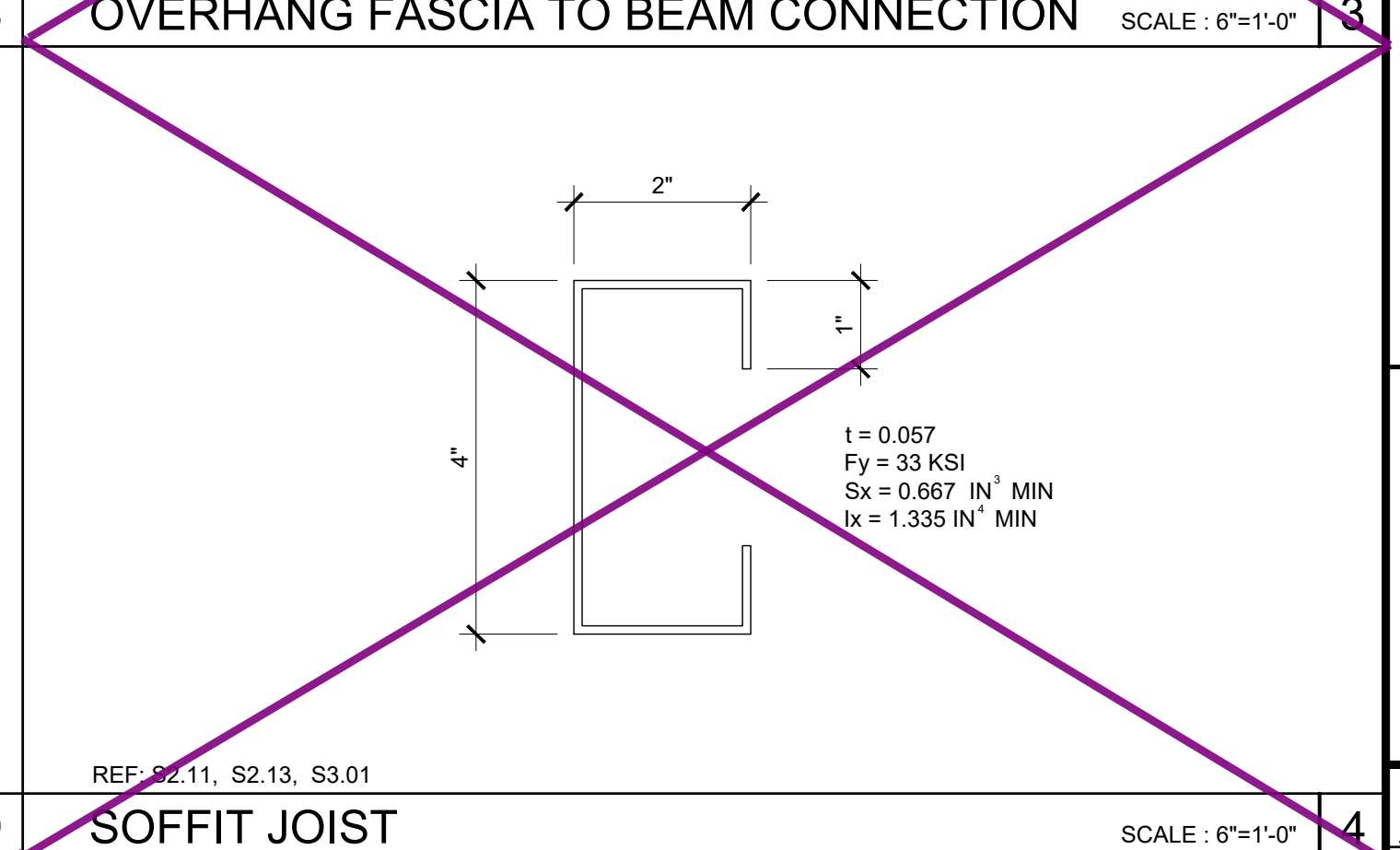
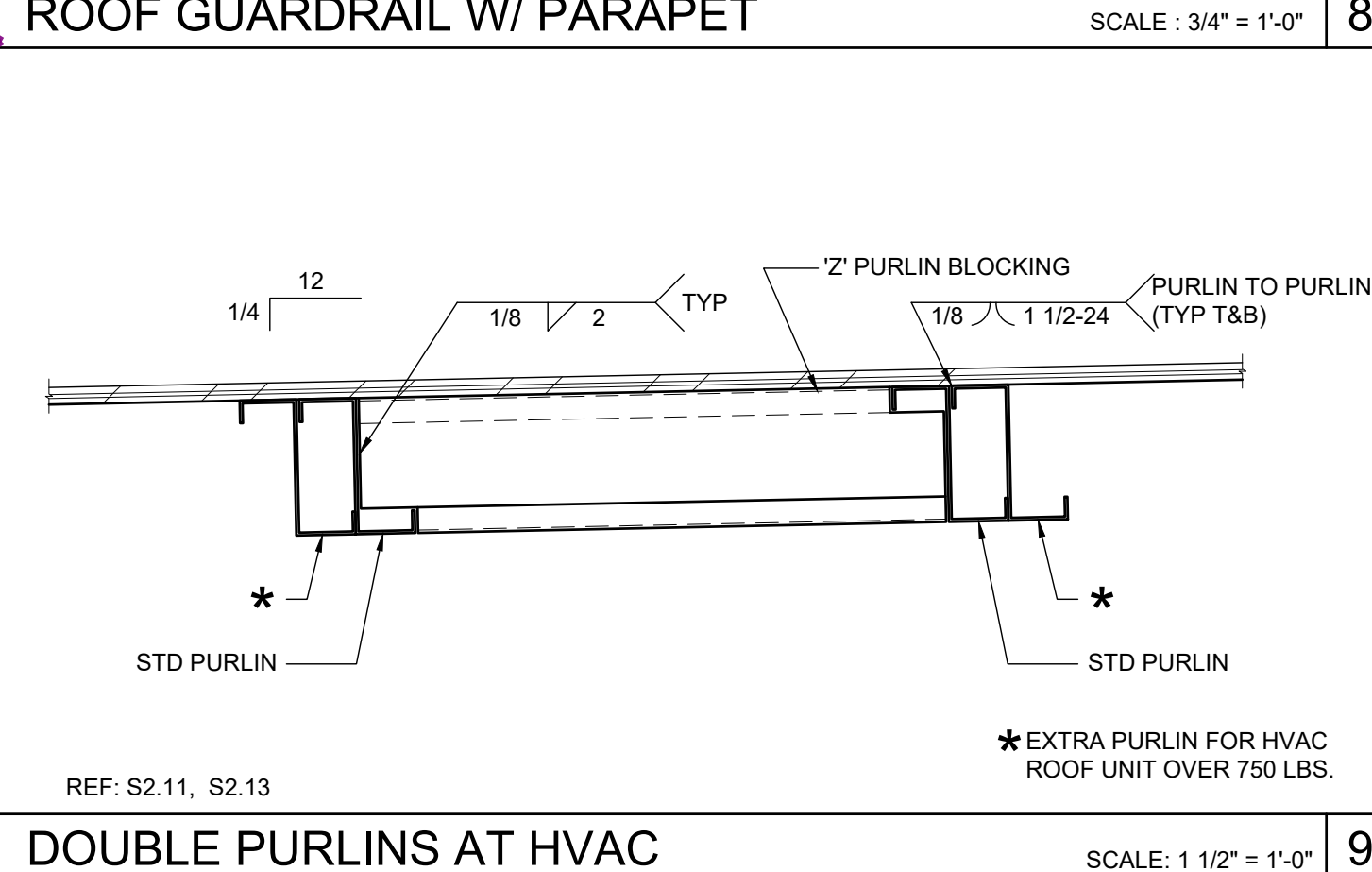
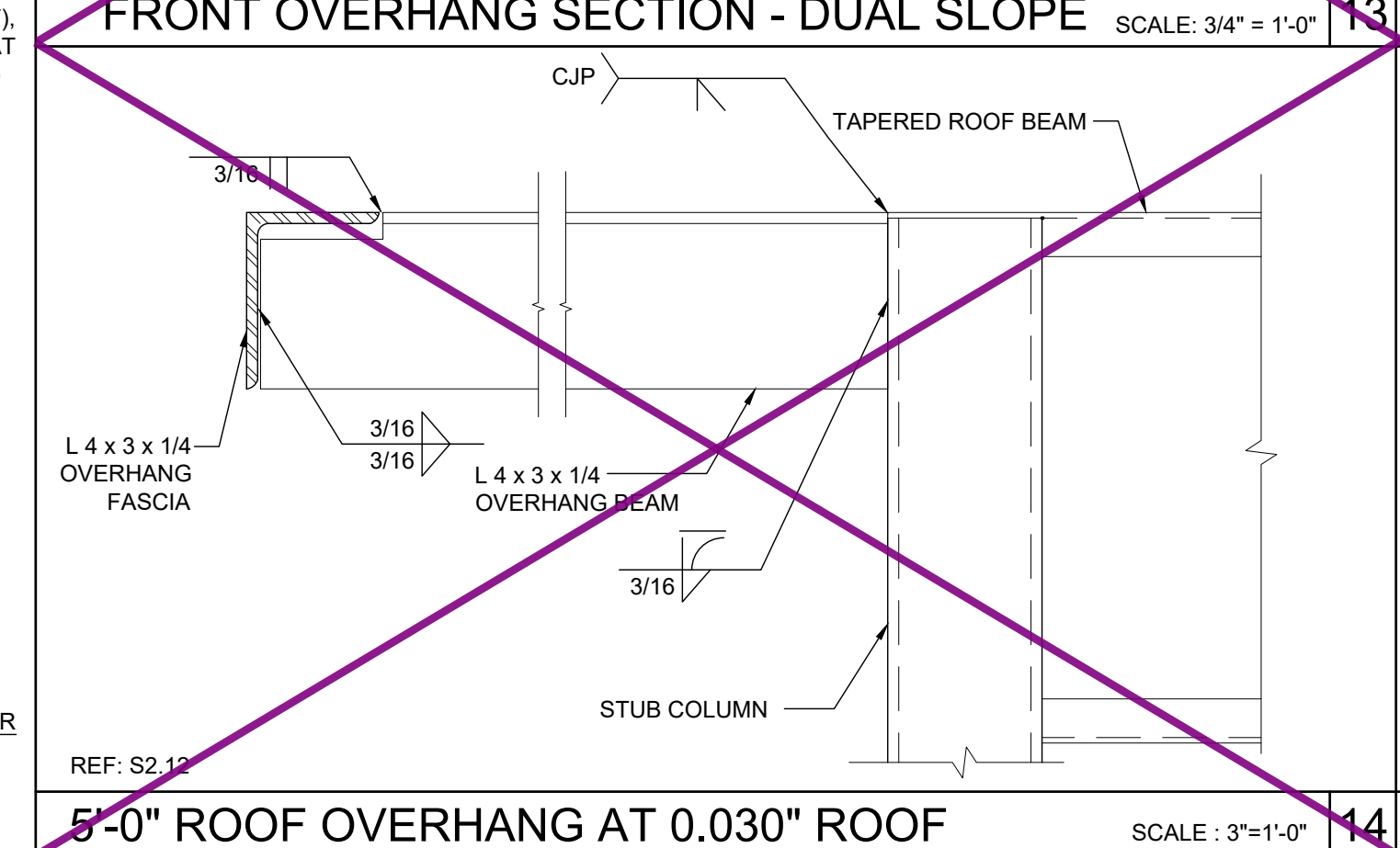
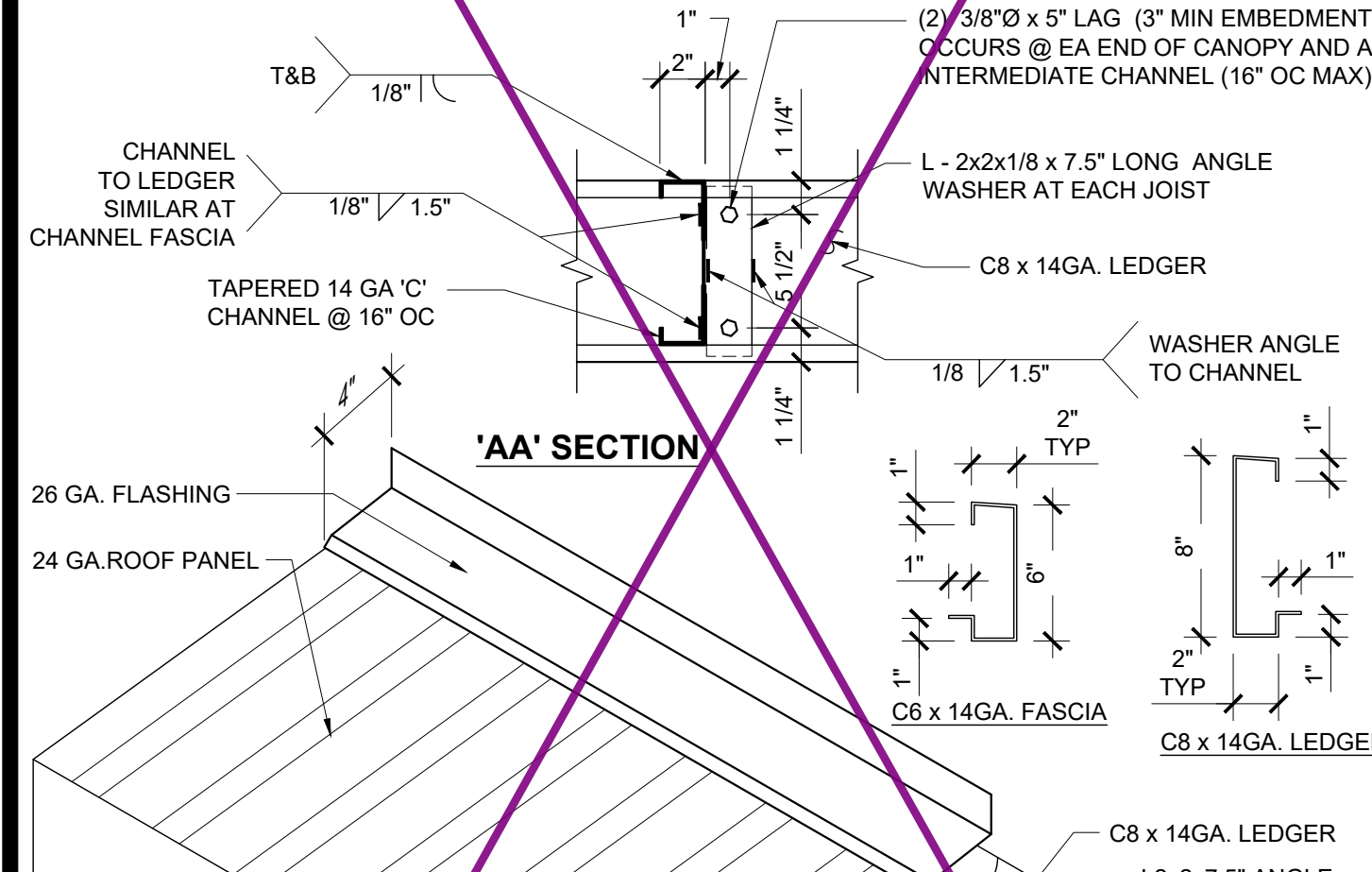
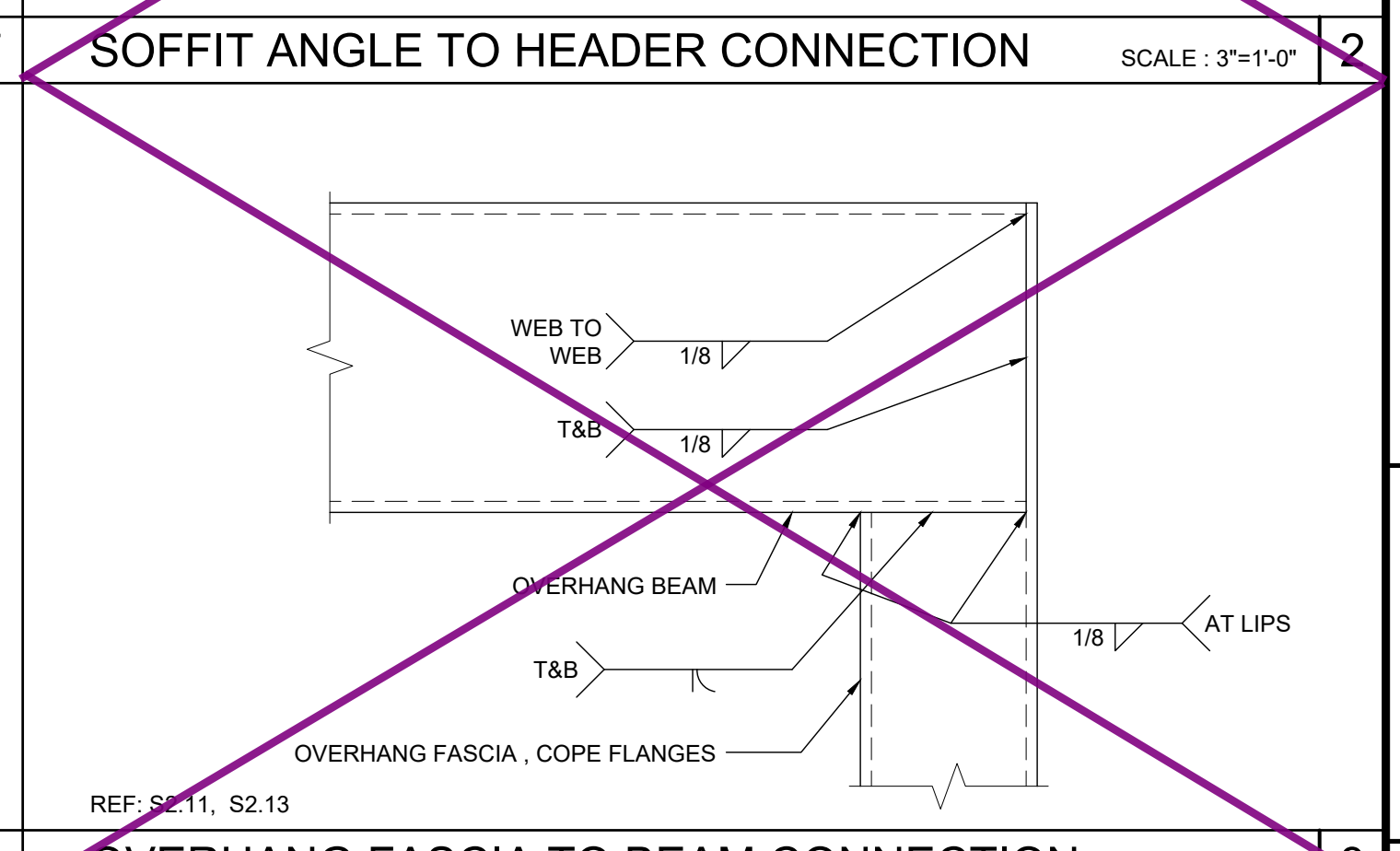
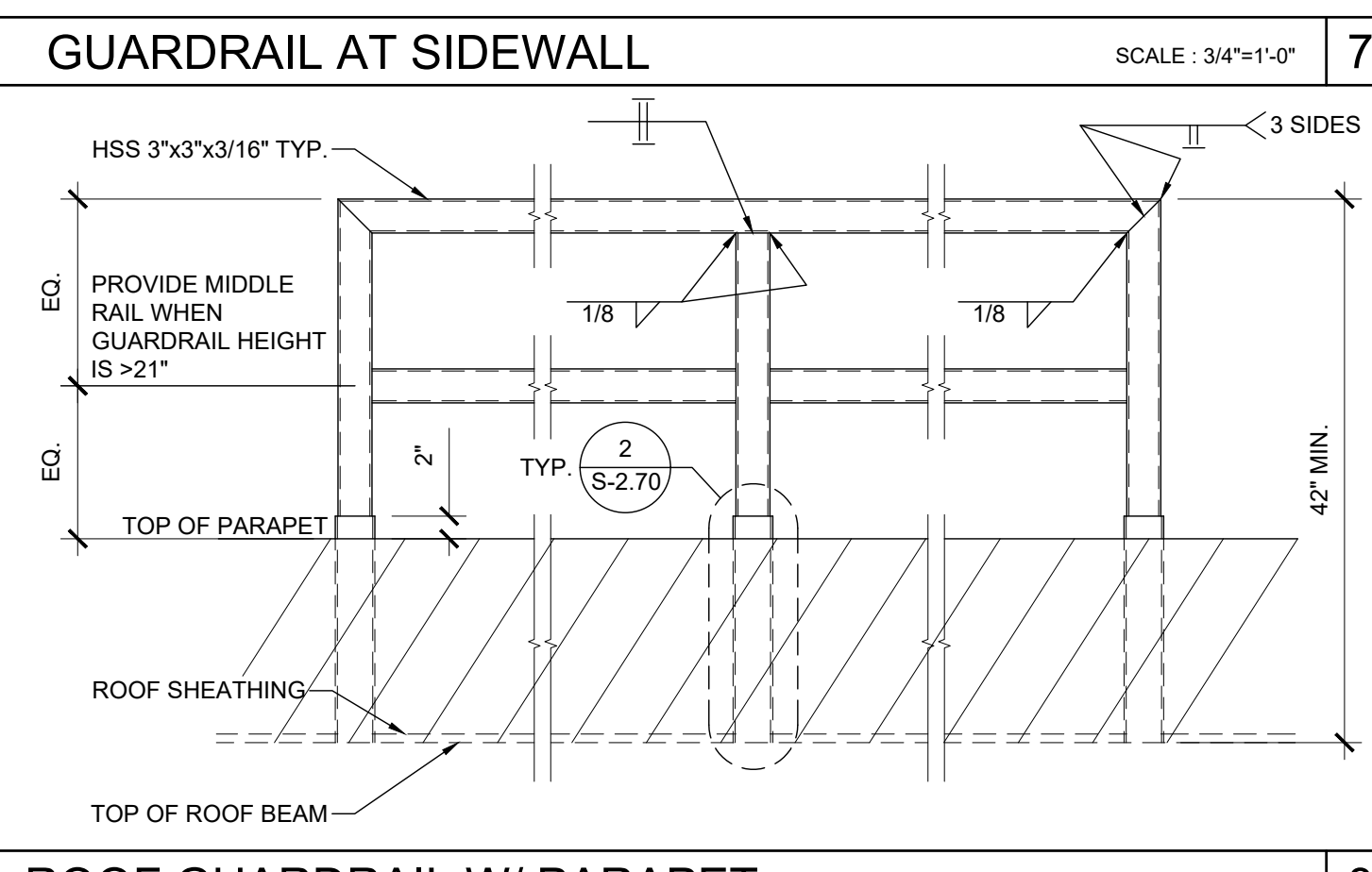
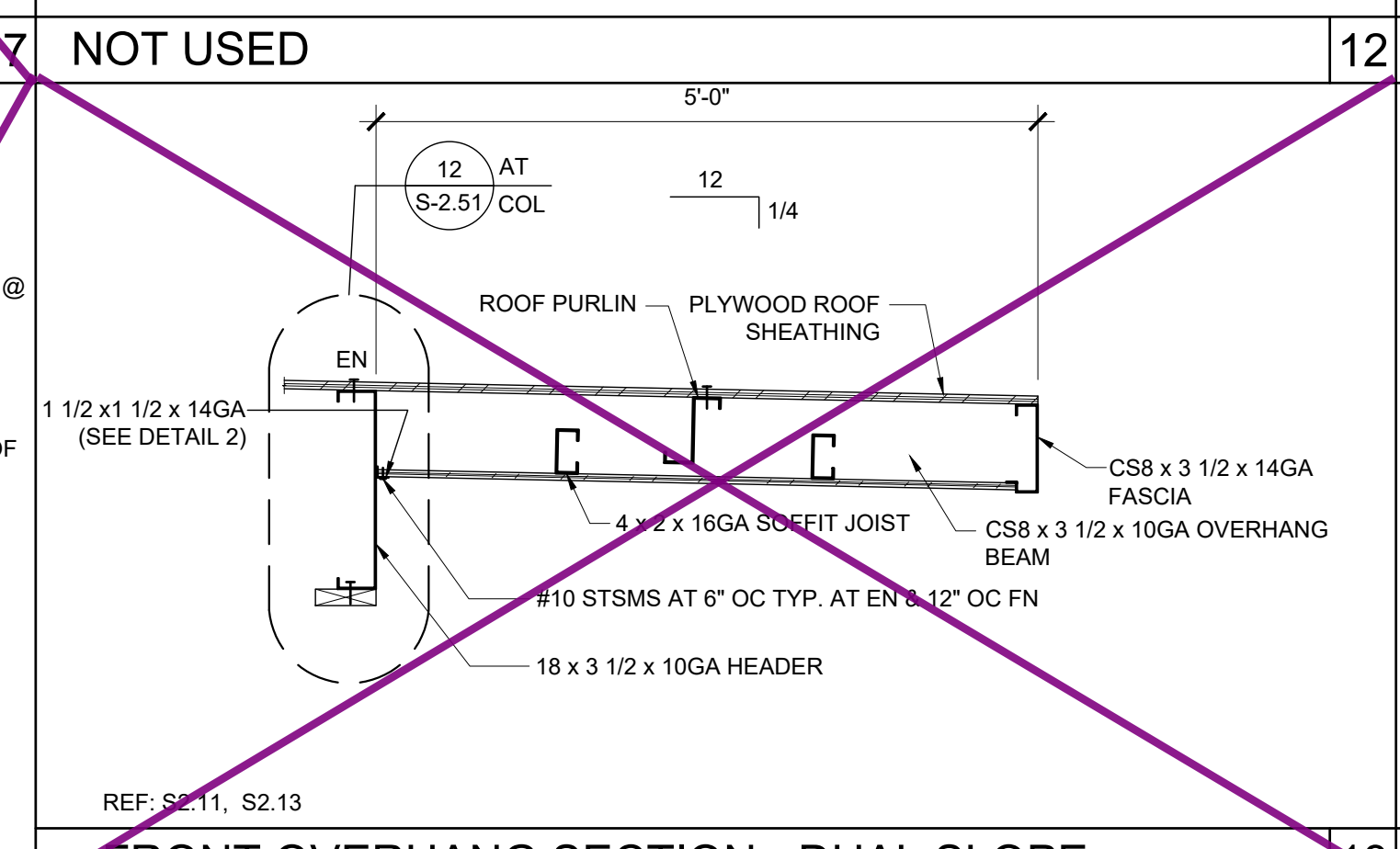
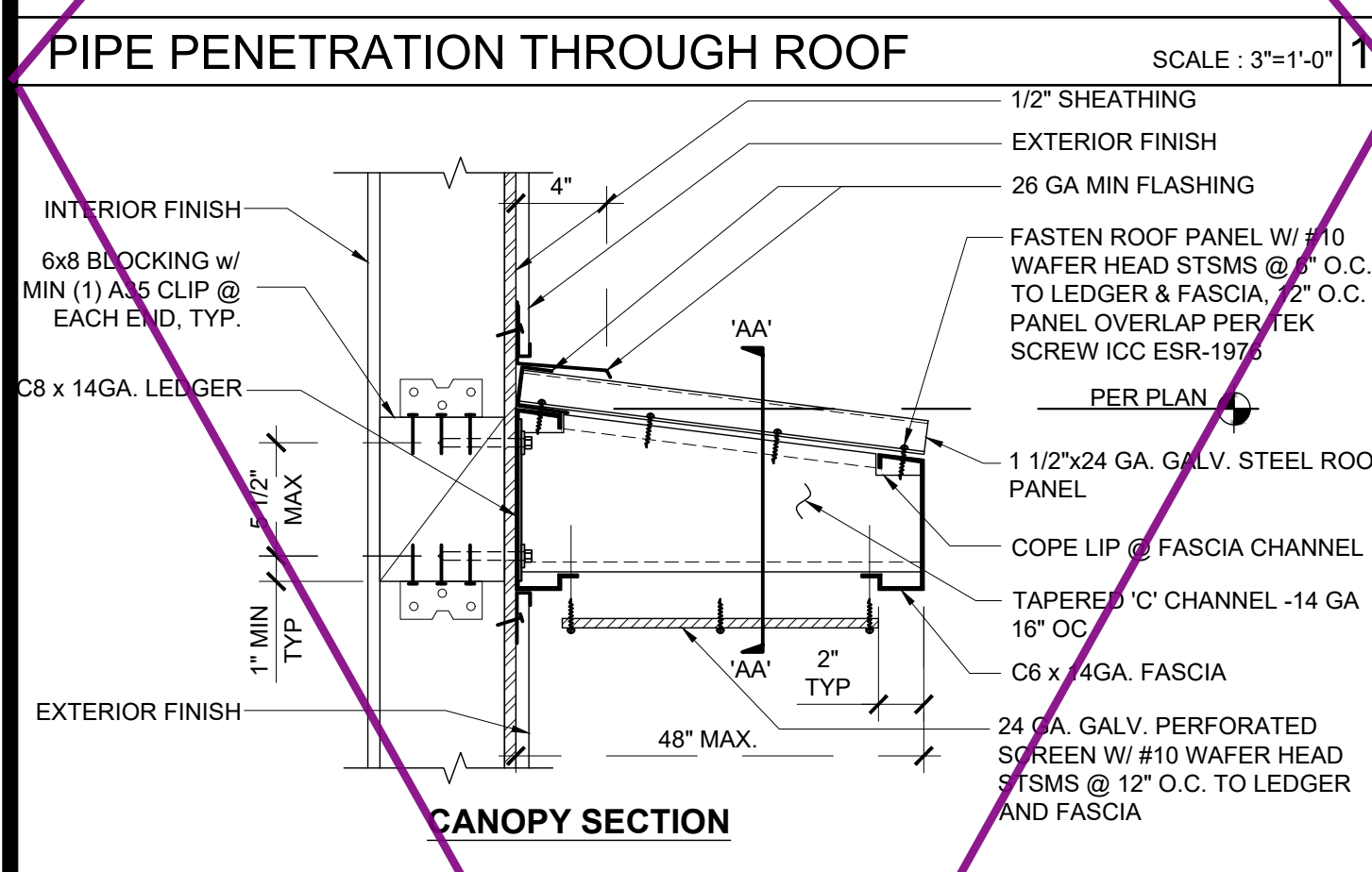
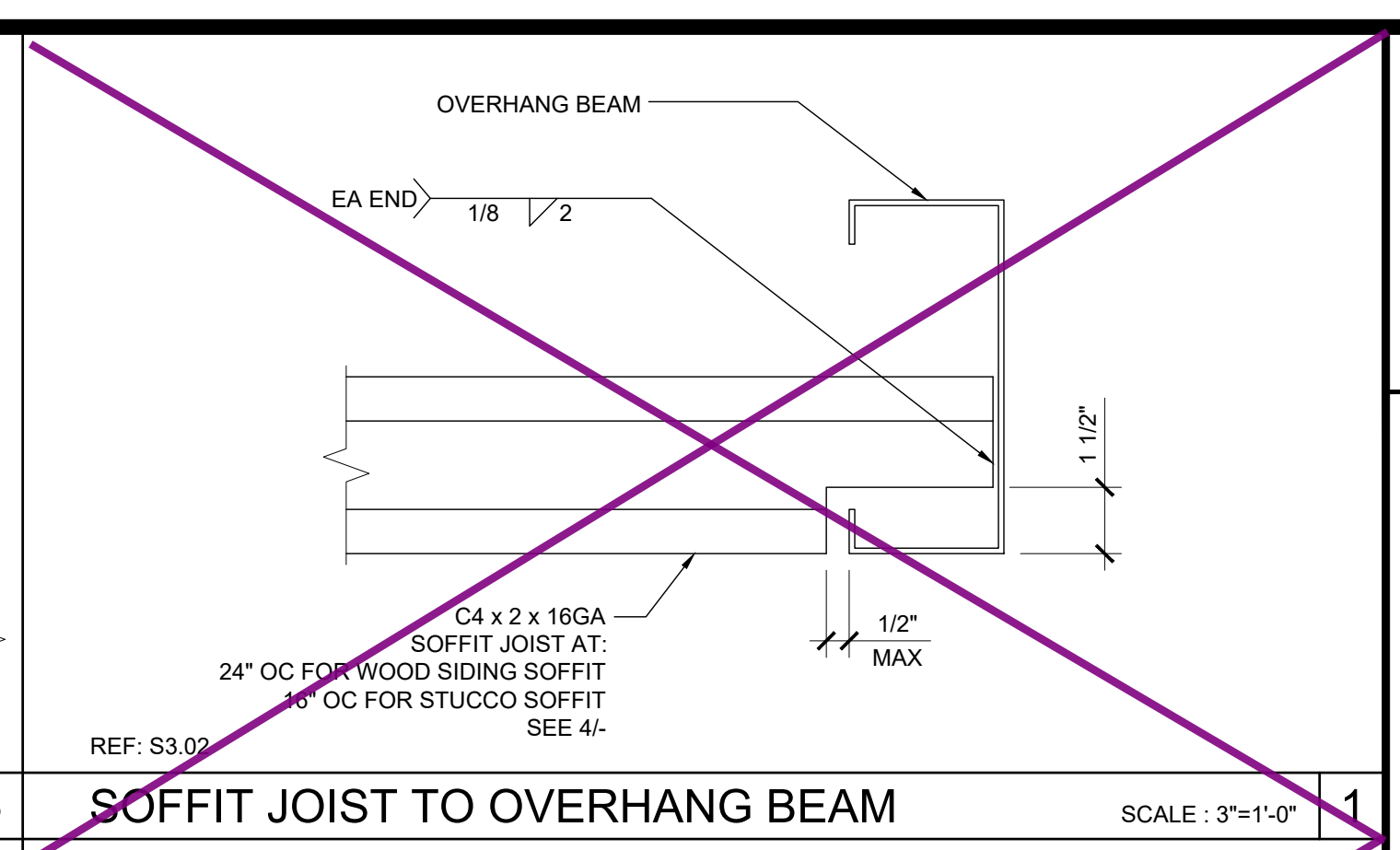
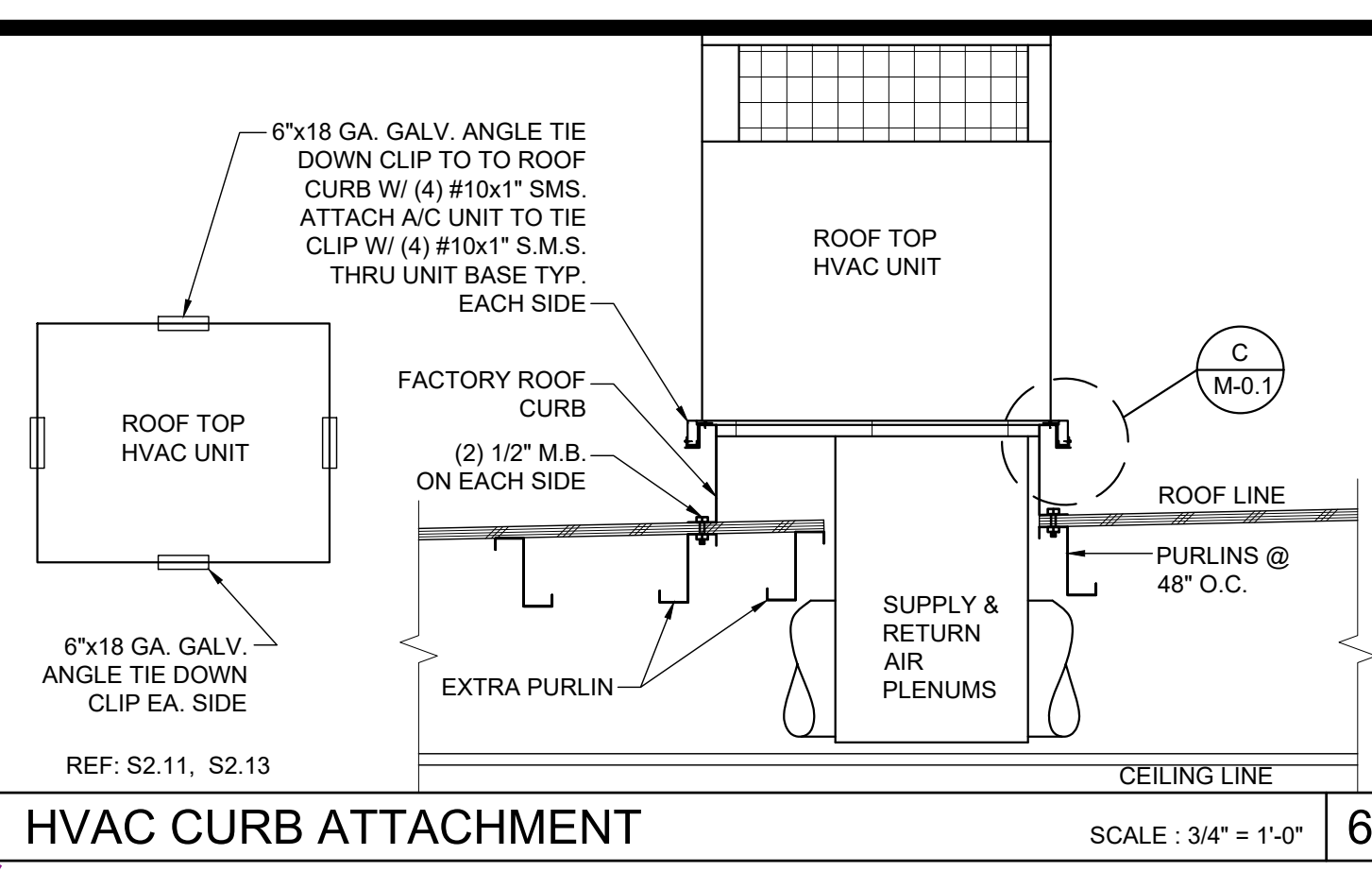
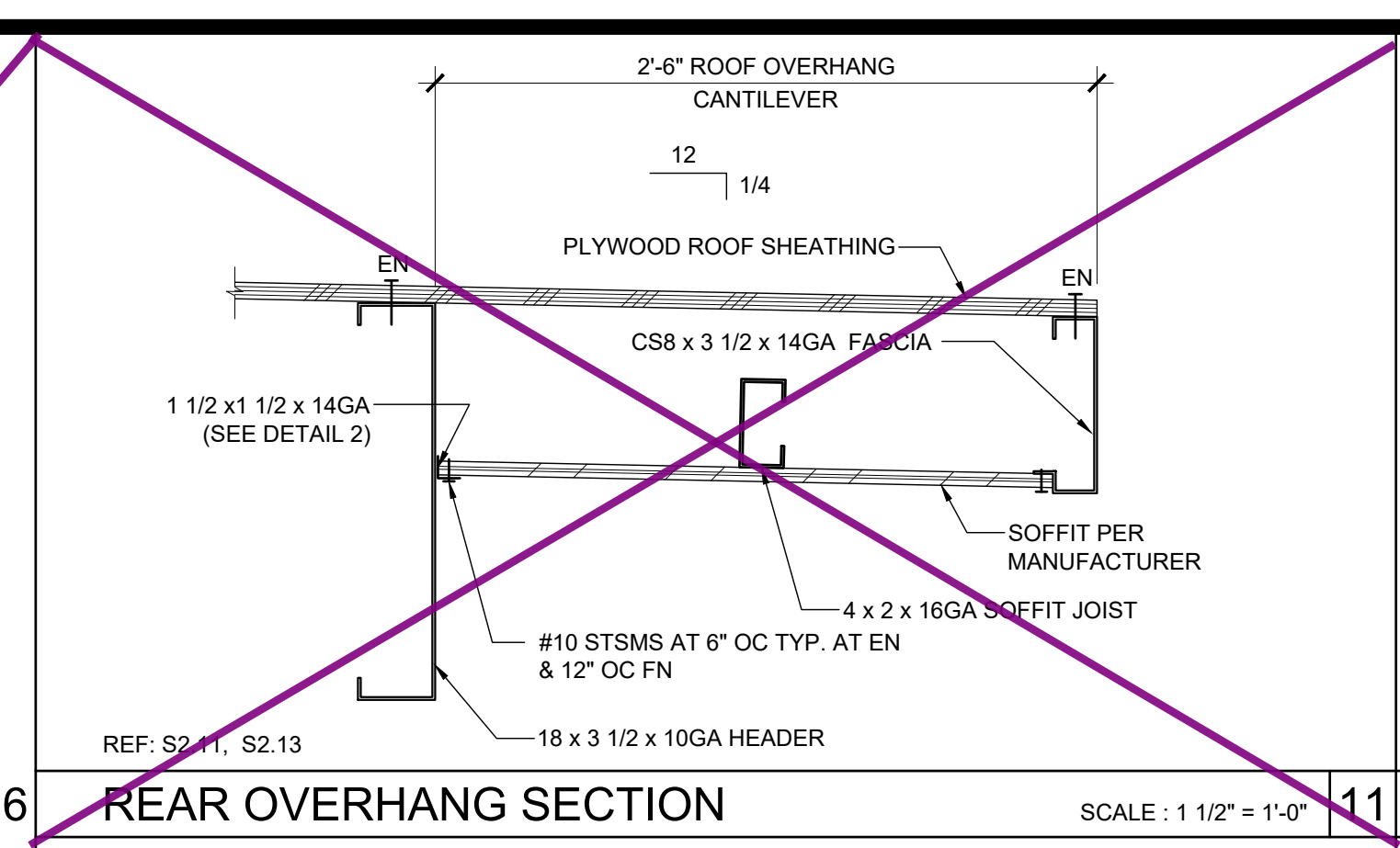
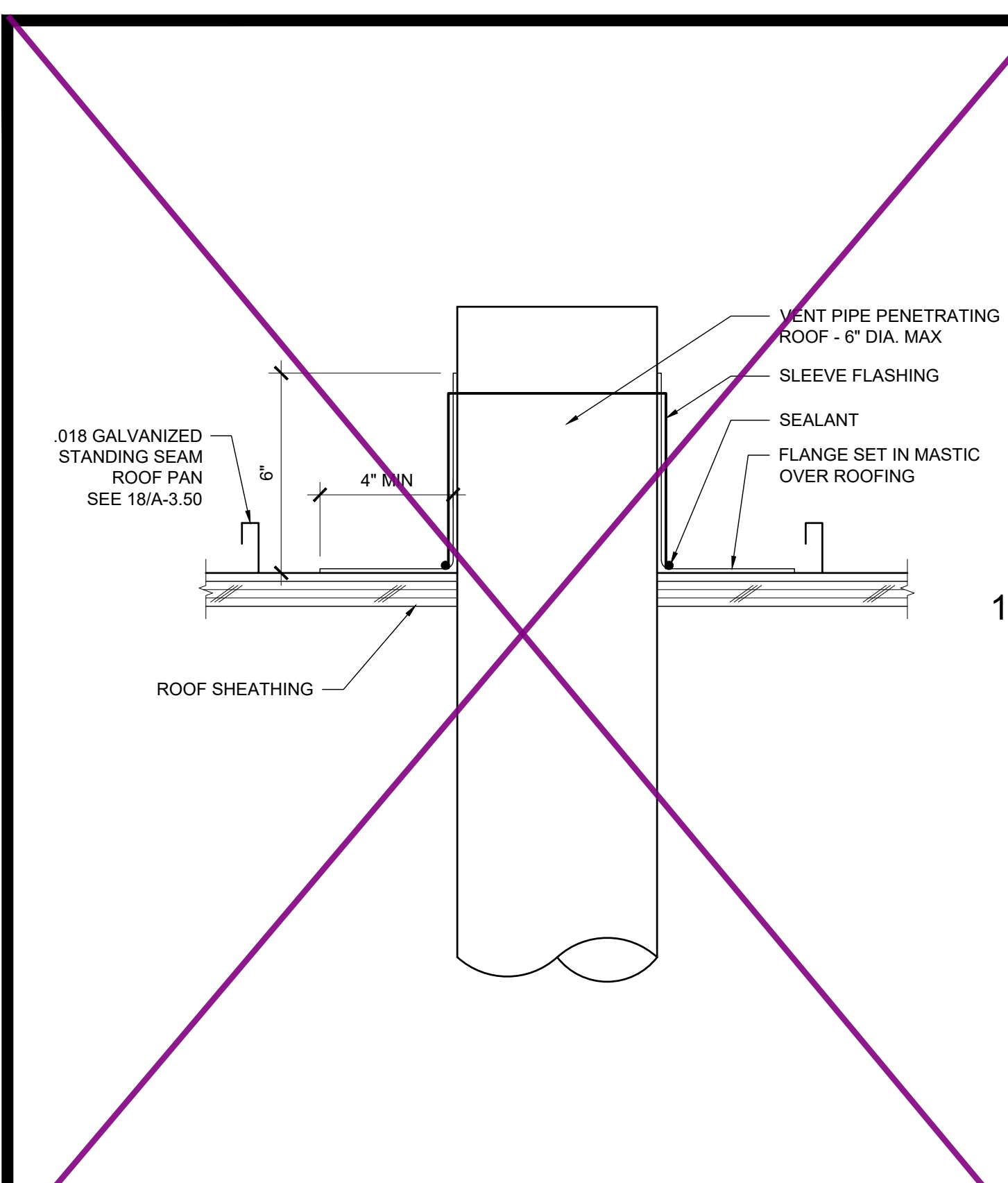
SILVER CREEK INDUSTRIES
 24' x 60' PC

PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 8-10-18

P.C. SHEET NUMBER
S-2.51



P.C. SHEET NUMBER
S-2.51



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SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**ROOF FRAMING
DETAILS**

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SILVER CREEK INDUSTRIES
24' x 60' PC

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PARAPET**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/17/2020

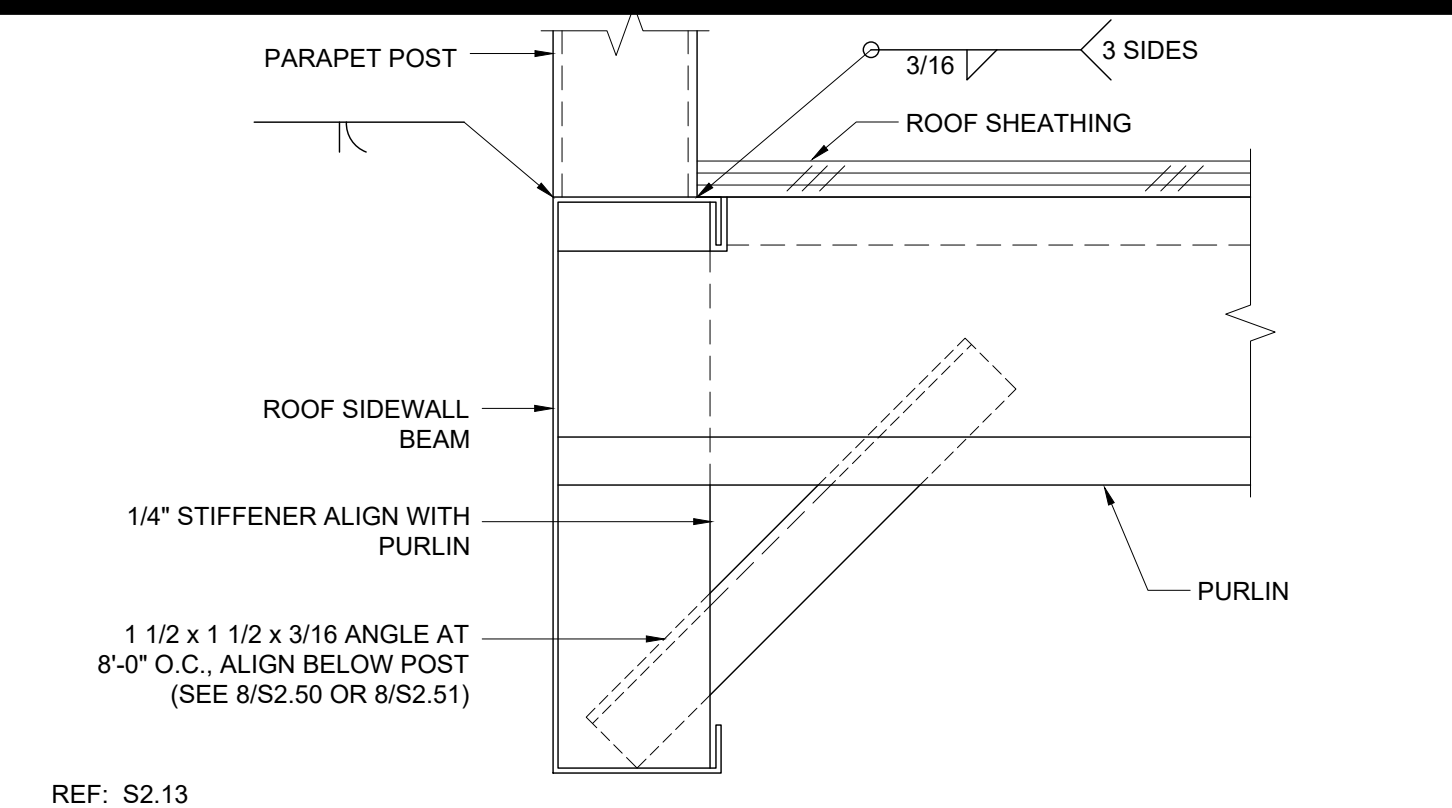
ORIGINAL PC STATE AGENCY APPROVAL
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116719 INCR: 0
AC_RM_FLS_DS_SSR KER
DATE: 10/05/2018

REVISIONS

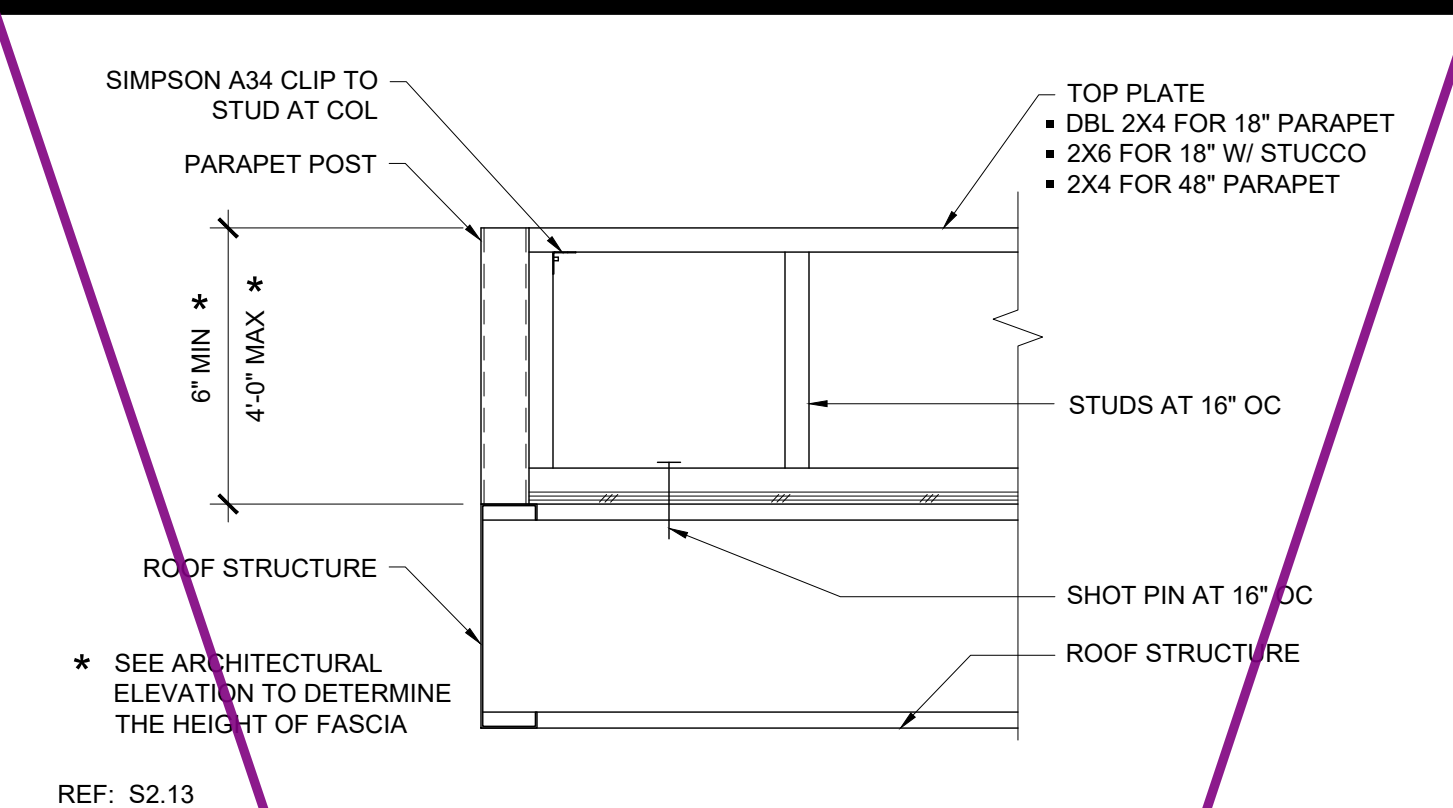
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SILVER CREEK INDUSTRIES
24' x 60' PC
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18
P.C. SHEET NUMBER

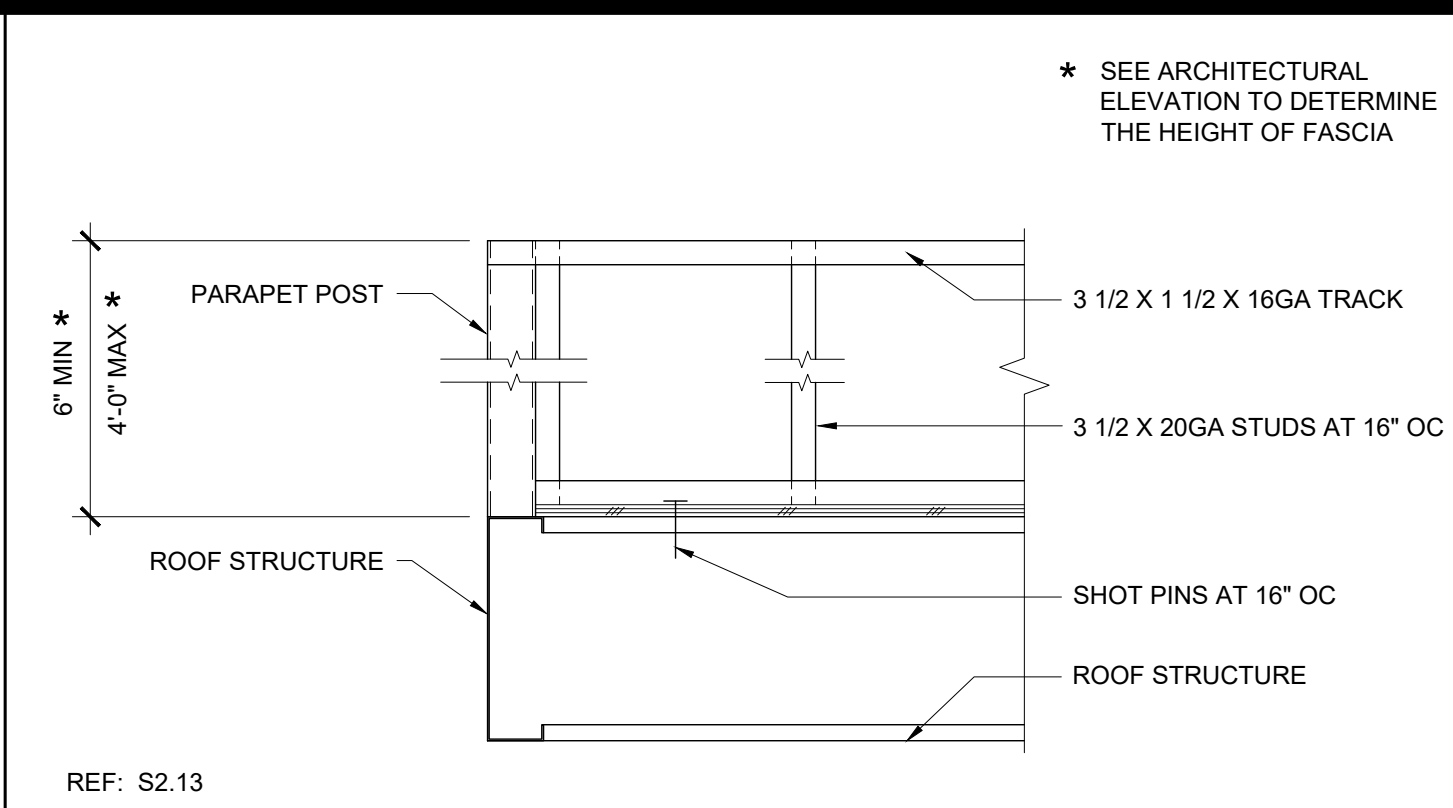
S-2.70



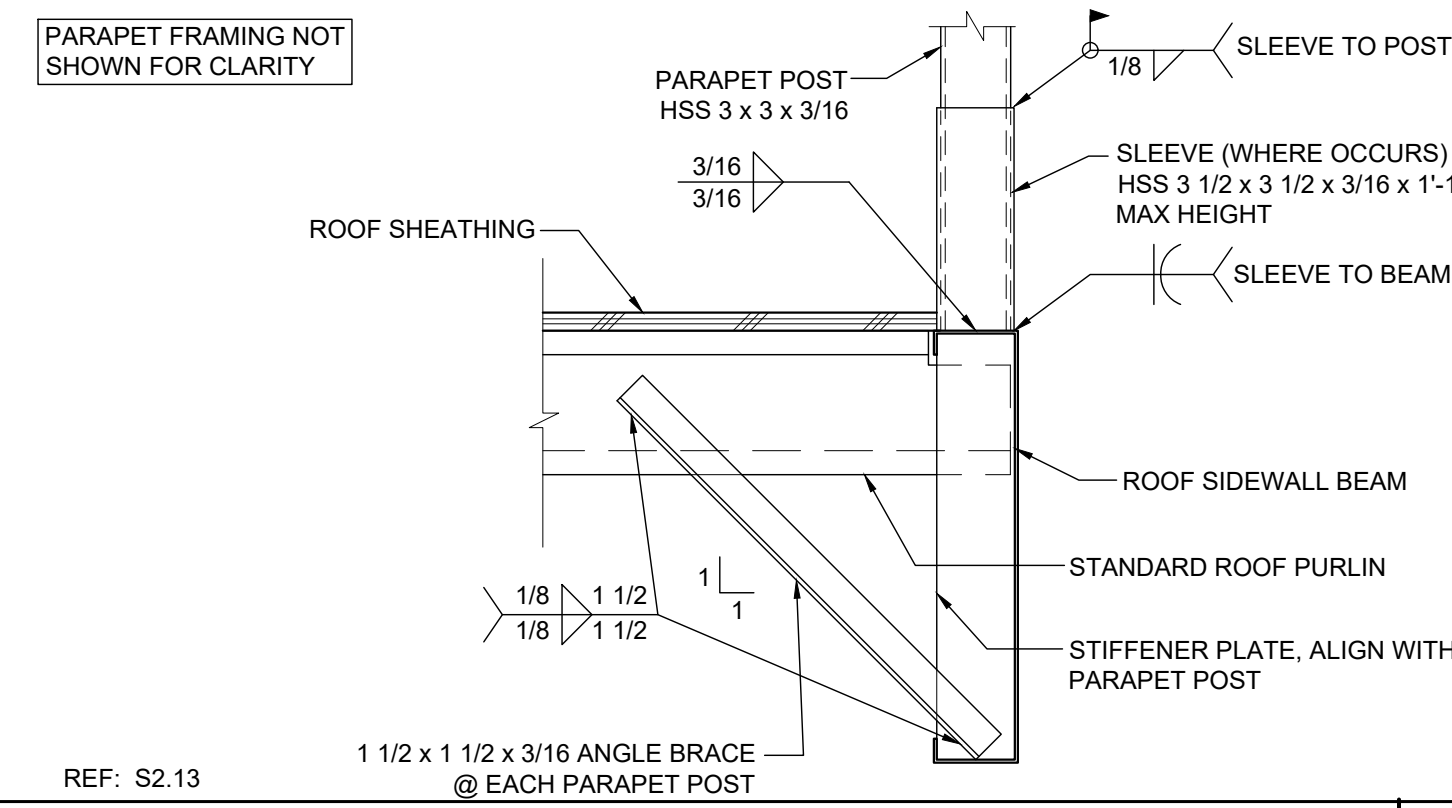
16 TUBE STEEL TO BEAM AT SIDEWALL SCALE: 3"=1'-0" 1



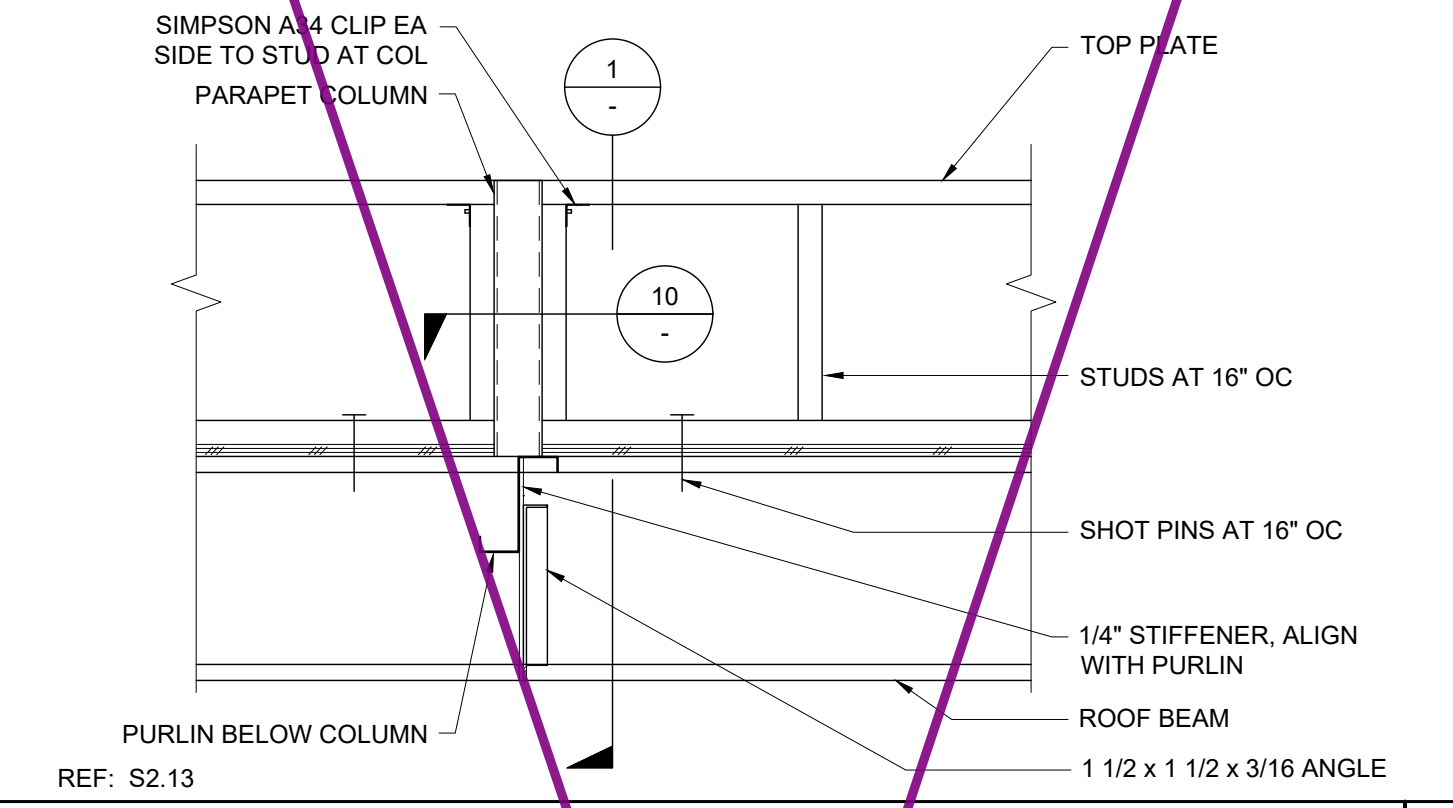
11 PARAPET WOOD FRAMING AT CORNER SCALE: 1"=1'-0" 6



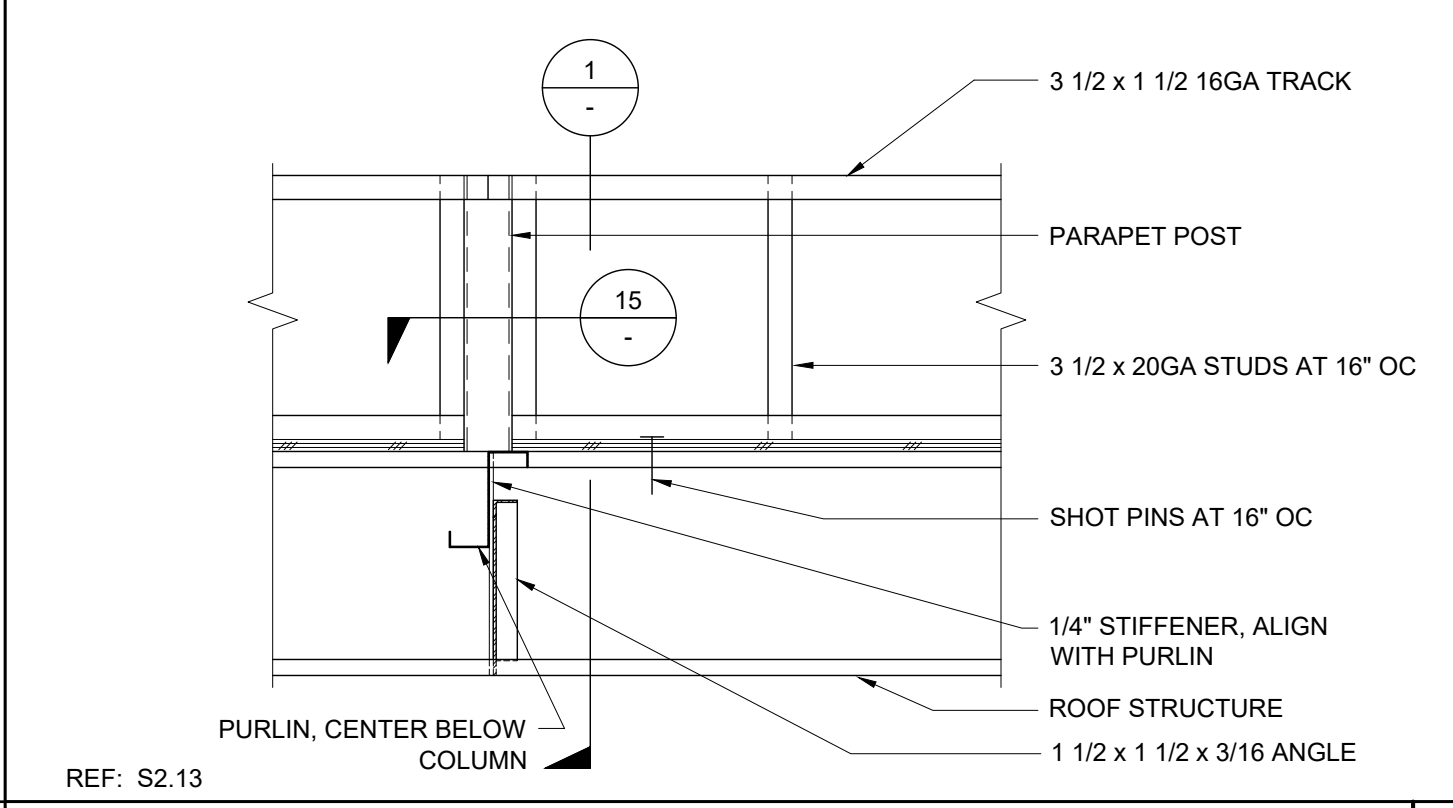
15 PARAPET STEEL METAL FRAMING AT CORNER SCALE: 1"=1'-0" 11



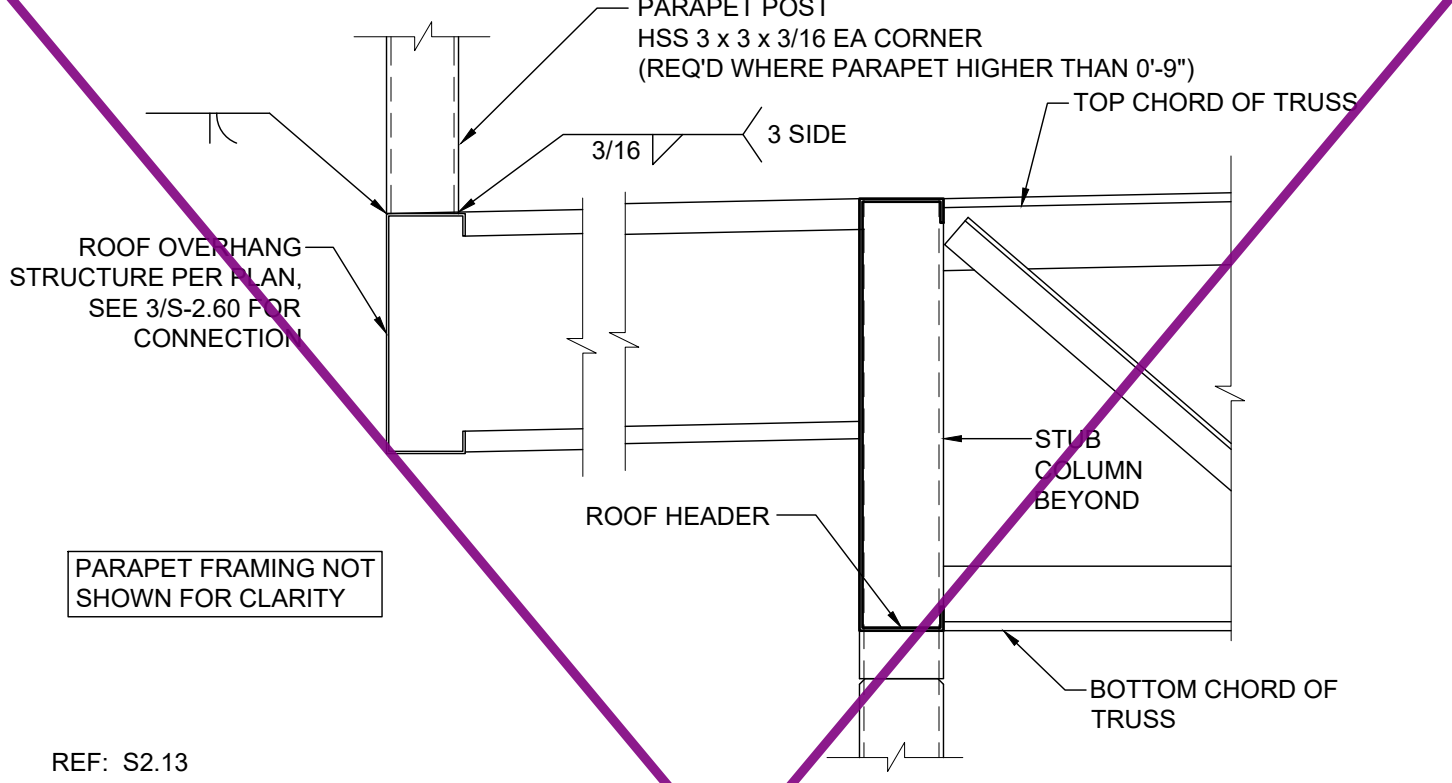
17 PARAPET POST WITH SLEEVE OPTION SCALE: 1 1/2"=1'-0" 2



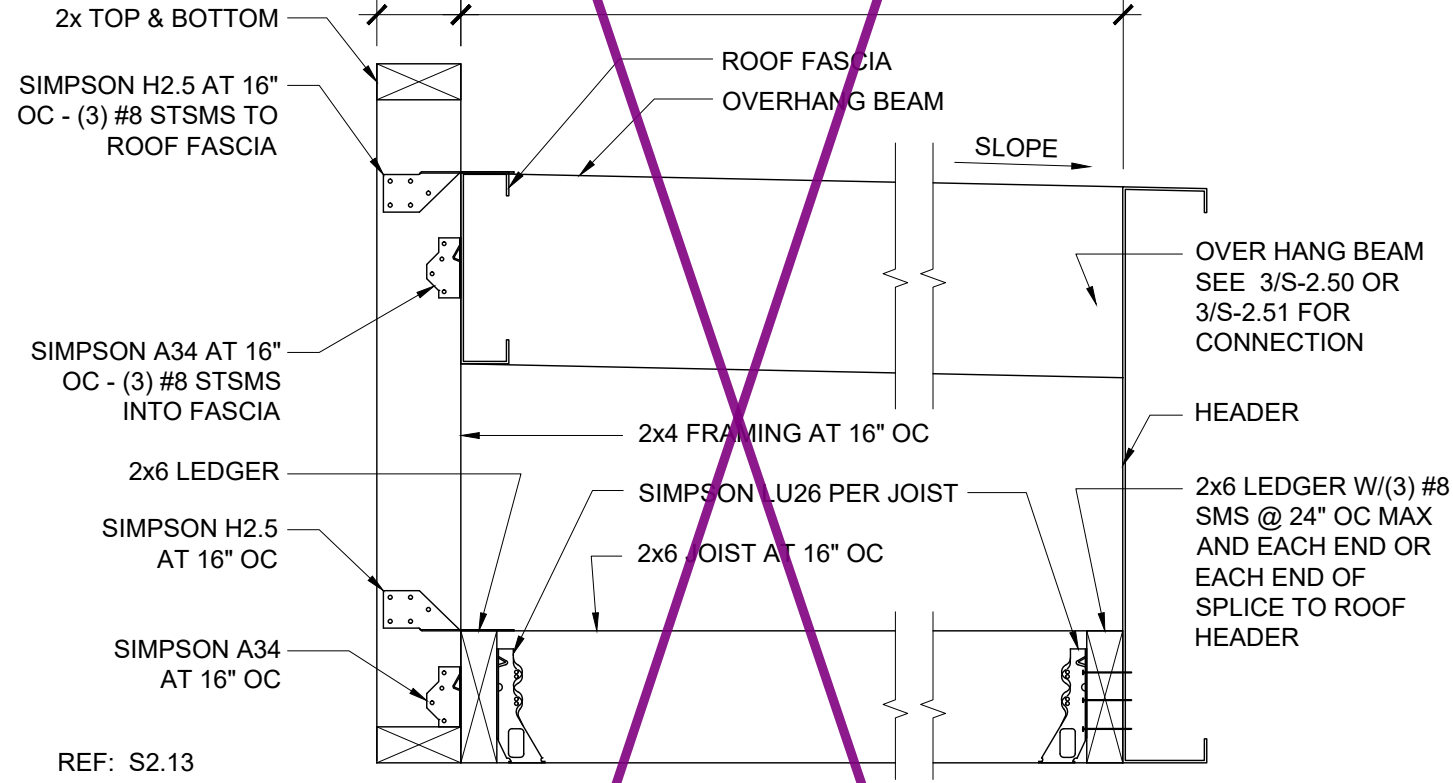
14 PARAPET WOOD FRAMING AT SIDEWALL SCALE: 1"=1'-0" 7



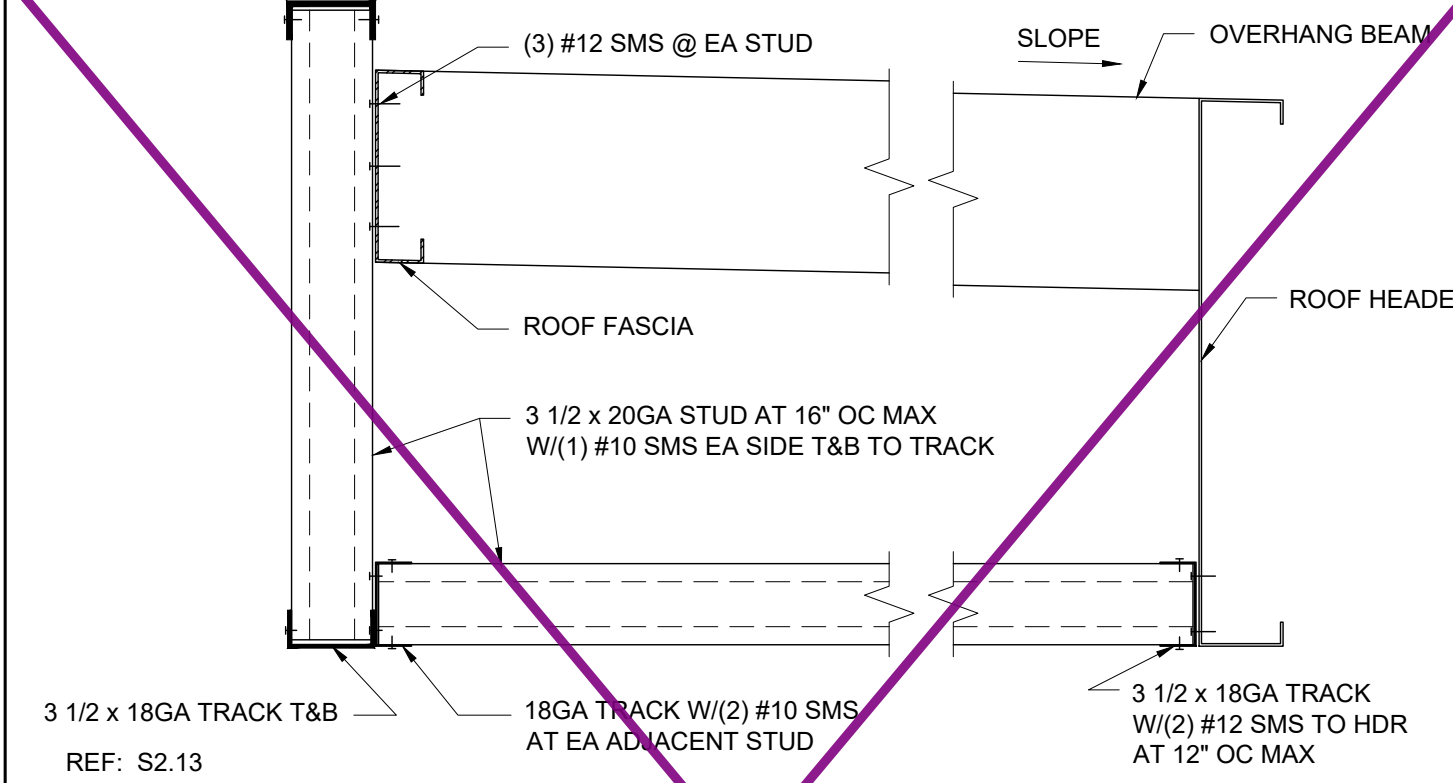
12 PARAPET STEEL METAL FRAMING AT SIDEWALL SCALE: 1"=1'-0" 12



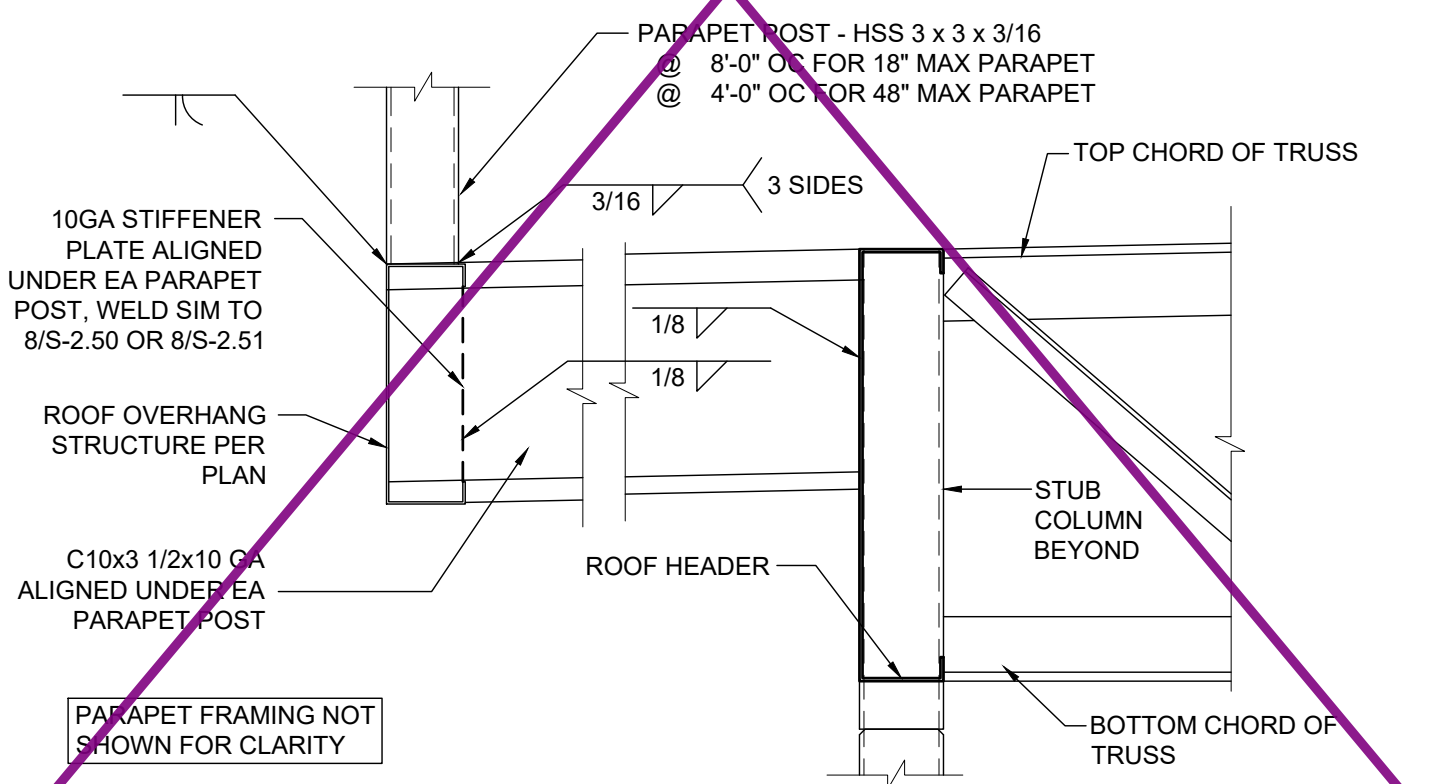
18 FRONT PARAPET POST CONNECTION AT MODLINE SCALE: 1 1/2"=1'-0" 3



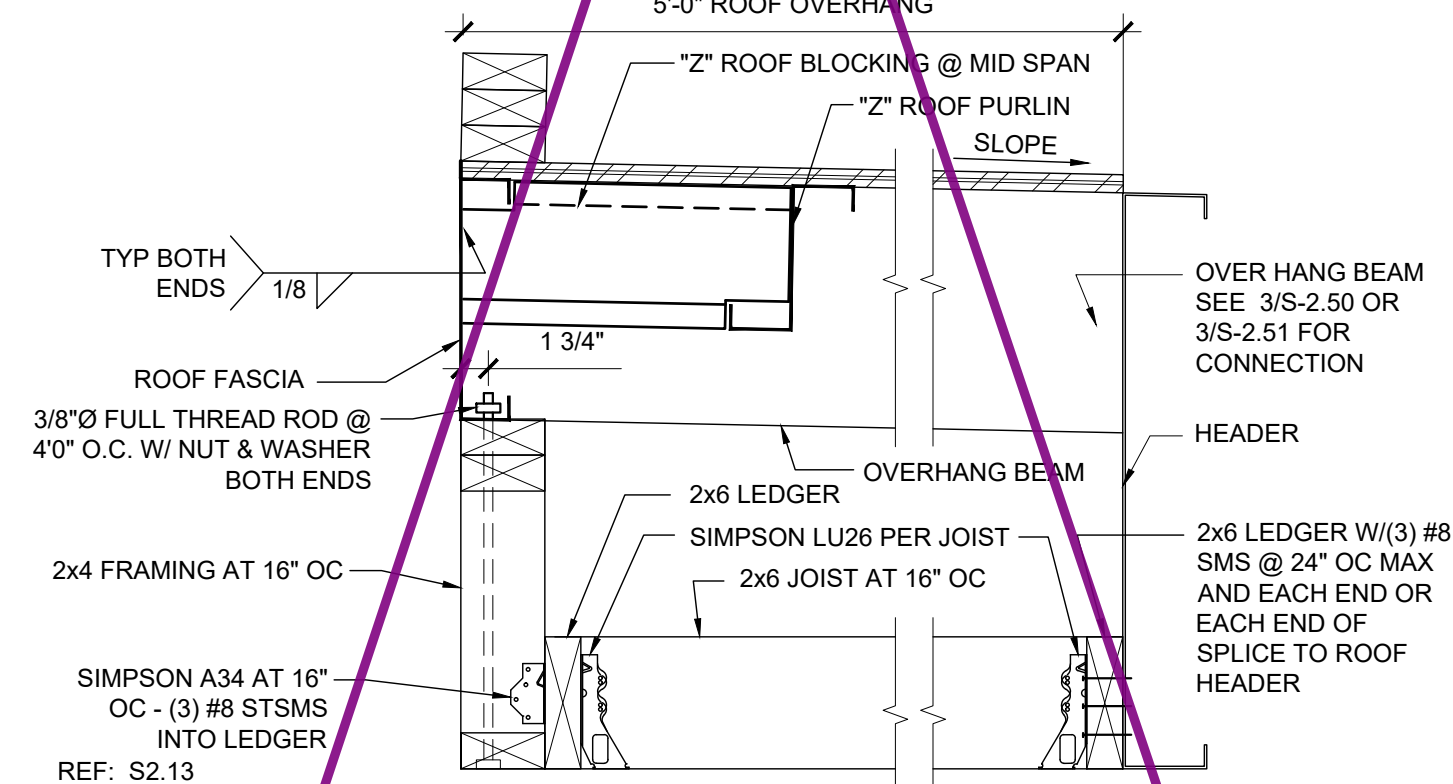
13 FRONT PARAPET WOOD CONN. (OFFSET FASCIA) SCALE: 1 1/2"=1'-0" 8



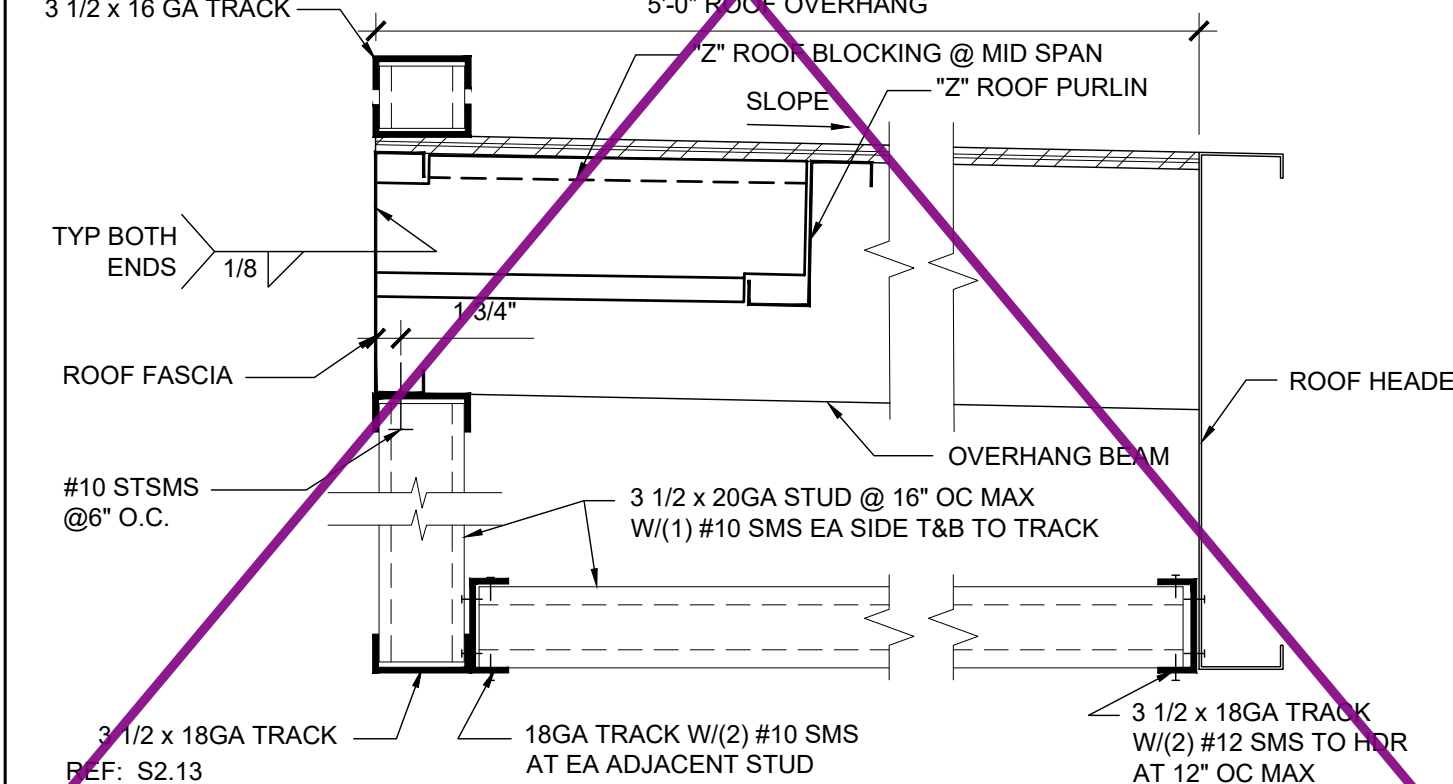
14 FRONT PARAPET STEEL METAL CONNECTION (OFFSET FASCIA) SCALE: 1 1/2"=1'-0" 13



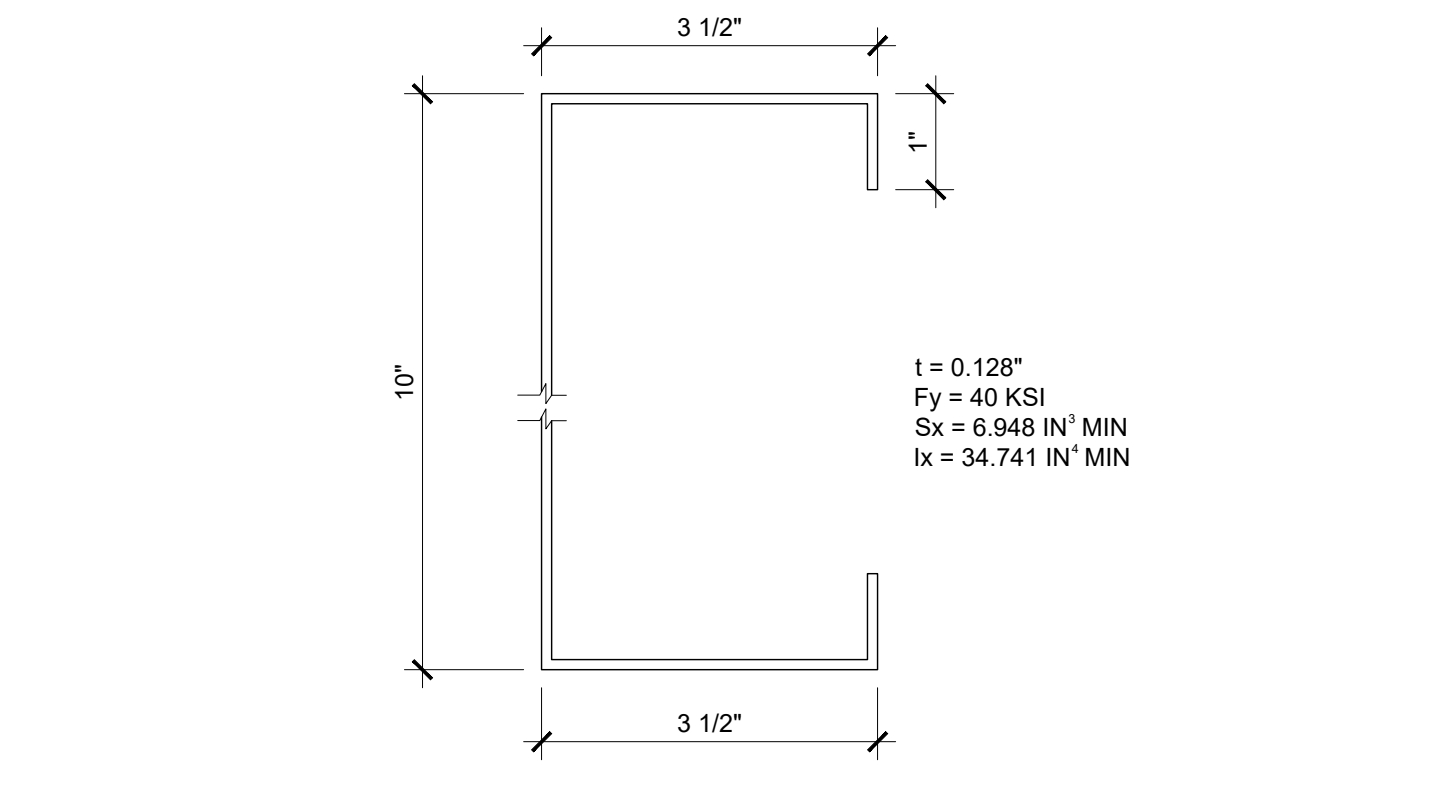
19 FRONT PARAPET POST CONNECTION AT INTERIOR SCALE: 1 1/2"=1'-0" 4



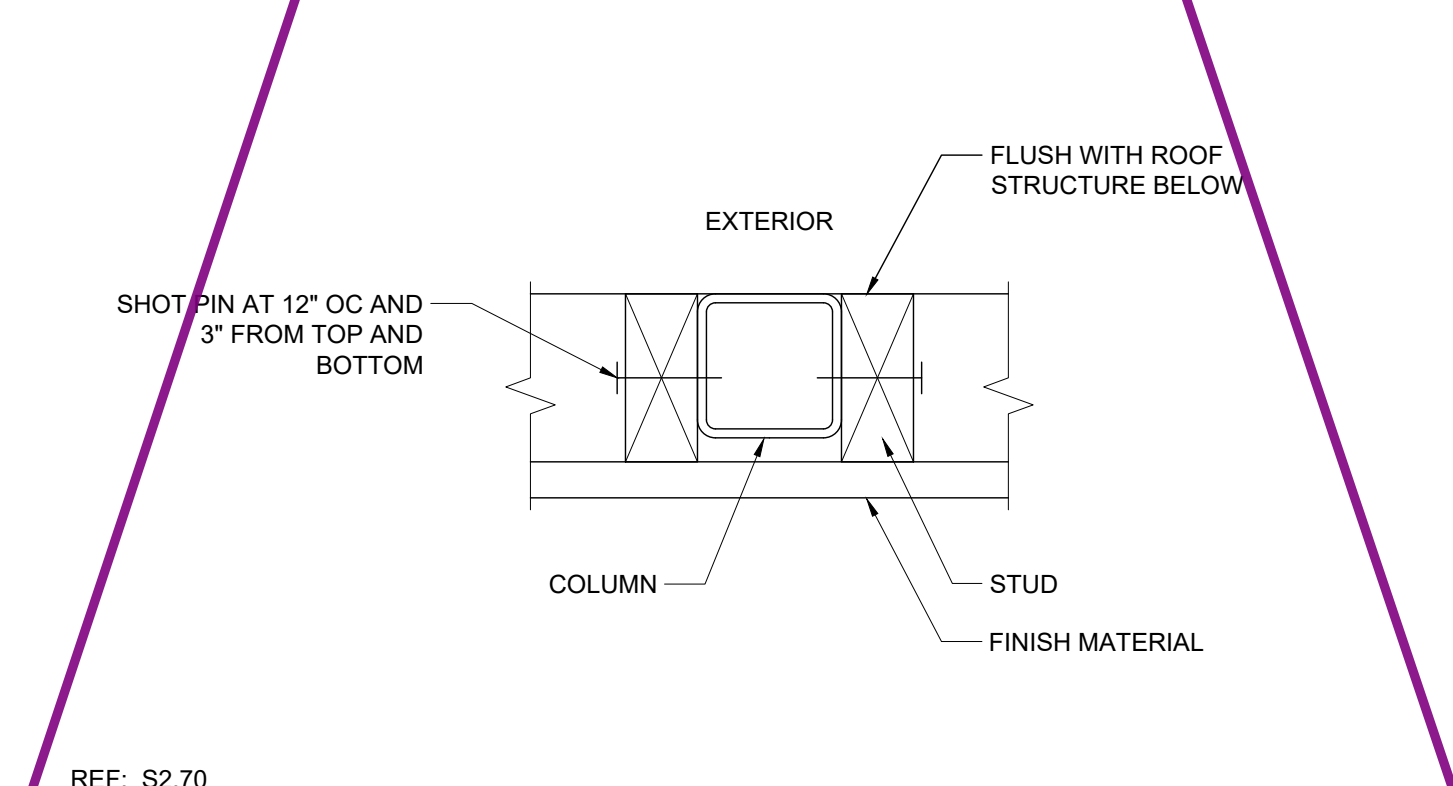
15 FRONT PARAPET WOOD CONNECTION SCALE: 1 1/2"=1'-0" 9



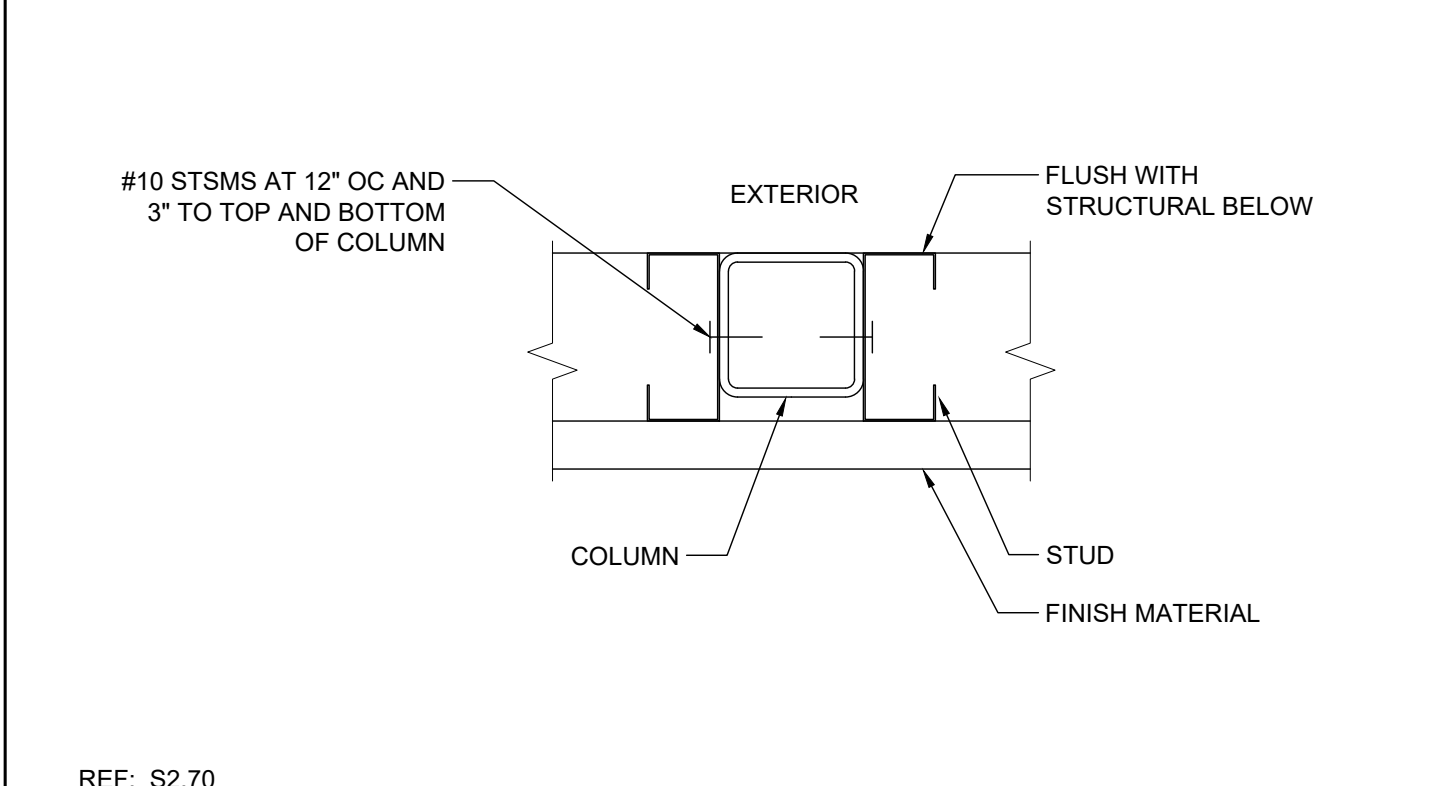
16 FRONT PARAPET SHEET METAL CONNECTION SCALE: 1 1/2"=1'-0" 14



20 OVERHANG FASCIA/BEAM @ PARAPET SCALE: 6"=1'-0" 5



15 PARAPET WOOD FRAMING TO TUBE STEEL SCALE: 3"=1'-0" 10



15 PARAPET SHEET METAL FRAMING TO TUBE STEEL SCALE: 3"=1'-0" 15

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ALL PATENTABLE MATERIAL CONTAINED HEREIN AND ORIGINATING WITH SCI Inc SHALL BE THE PROPERTY OF SCI Inc

SILVER CREEK INDUSTRIES, INC.



SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

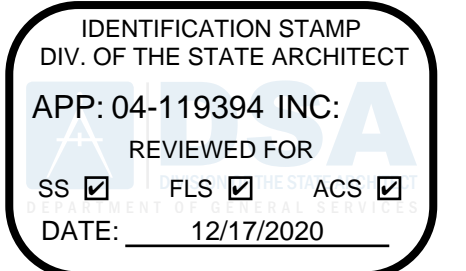
SHEET TITLE:

**ROOF FRAMING
DETAILS
TRUSS**

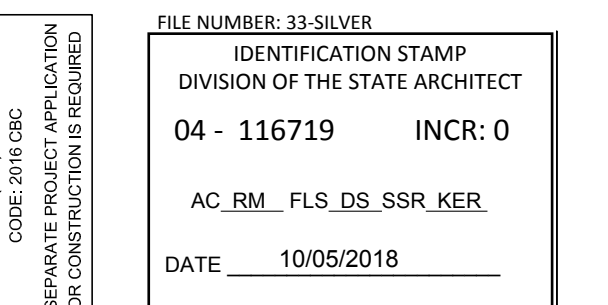


ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL



ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:

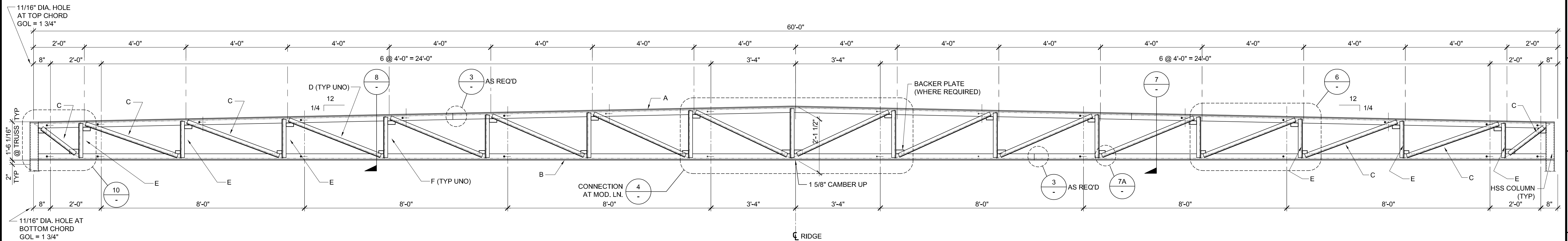
DRAWN BY:

SCALE: AS NOTED

DATE: 8-10-18

P.C. SHEET NUMBER

S-2.90



NOTES:

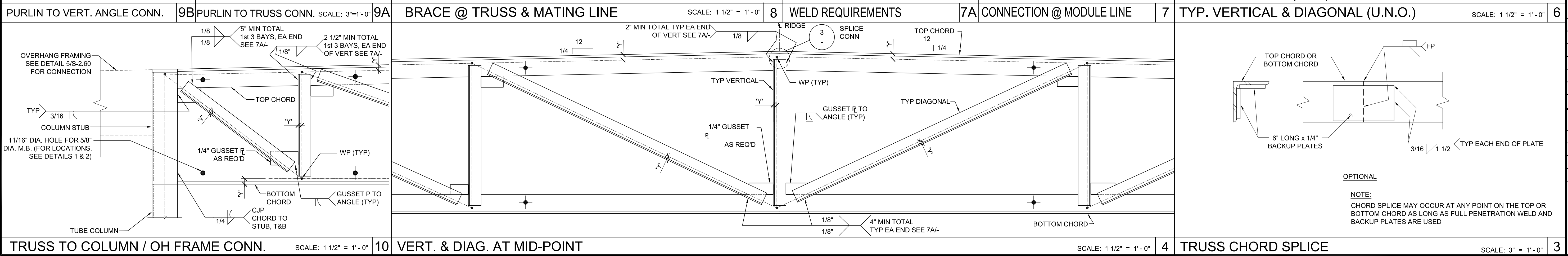
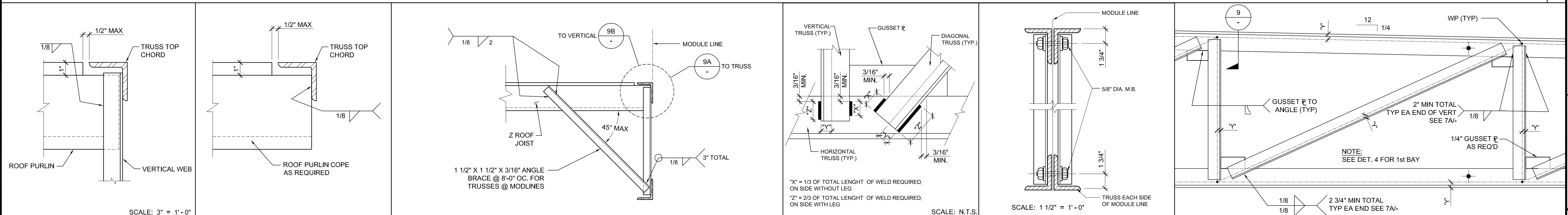
- ALL STEEL GRADES TO BE A-36 WITH 36 K.S.I. MIN. YIELD, EXCEPT GAUGE MATERIAL SHALL BE A-1011/GRADE 40
- REQUIRED ELECTRODES FOR ALL WELDS TO BE E-70
- VOLTAGE & AMPERAGE SHALL BE PER ELECTRODE MANUFACTURERS SPECIFICATIONS
- BOLTS AND NUTS GRADES TO BE A307

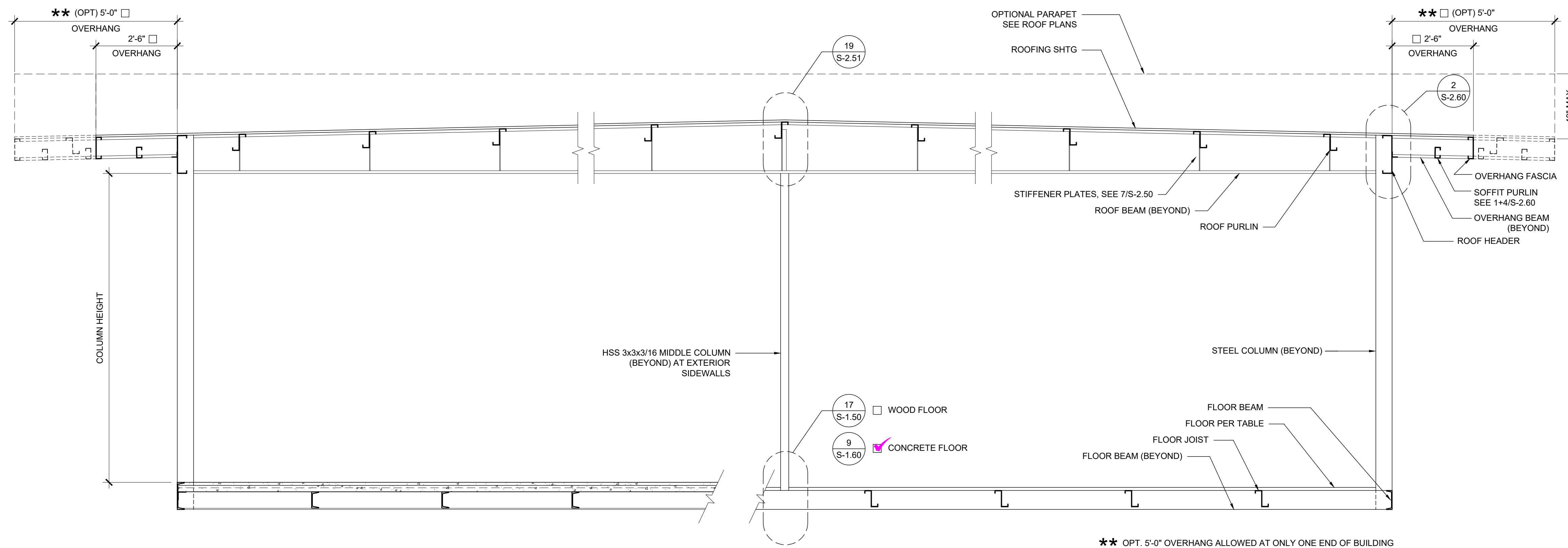
REF: ROOF FRAMING PLAN

TRUSS MARK:		Y=
A	TOP CHORD	5" x 3" x 3/8" (LLV) 1 1/4
B	BOTTOM CHORD	5" x 3" x 5/16" (LLV) 1 1/4
C	END DIAGONALS (3 EACH END)	2 1/2" x 2 1/2" x 10 GA. 5/8
D	TYPICAL DIAGONALS	2" x 2" x 10 GA. 7/16
E	END DIAGONAL (3 EACH END)	1 1/2" x 1 1/2" x 10 GA. 7/16
F	TYPICAL VERTICALS	1 1/2" x 1 1/2" x 10 GA. 7/16

NOTE: "Y" MAY BE 1/4" MAX. OUT OF ALIGNMENT

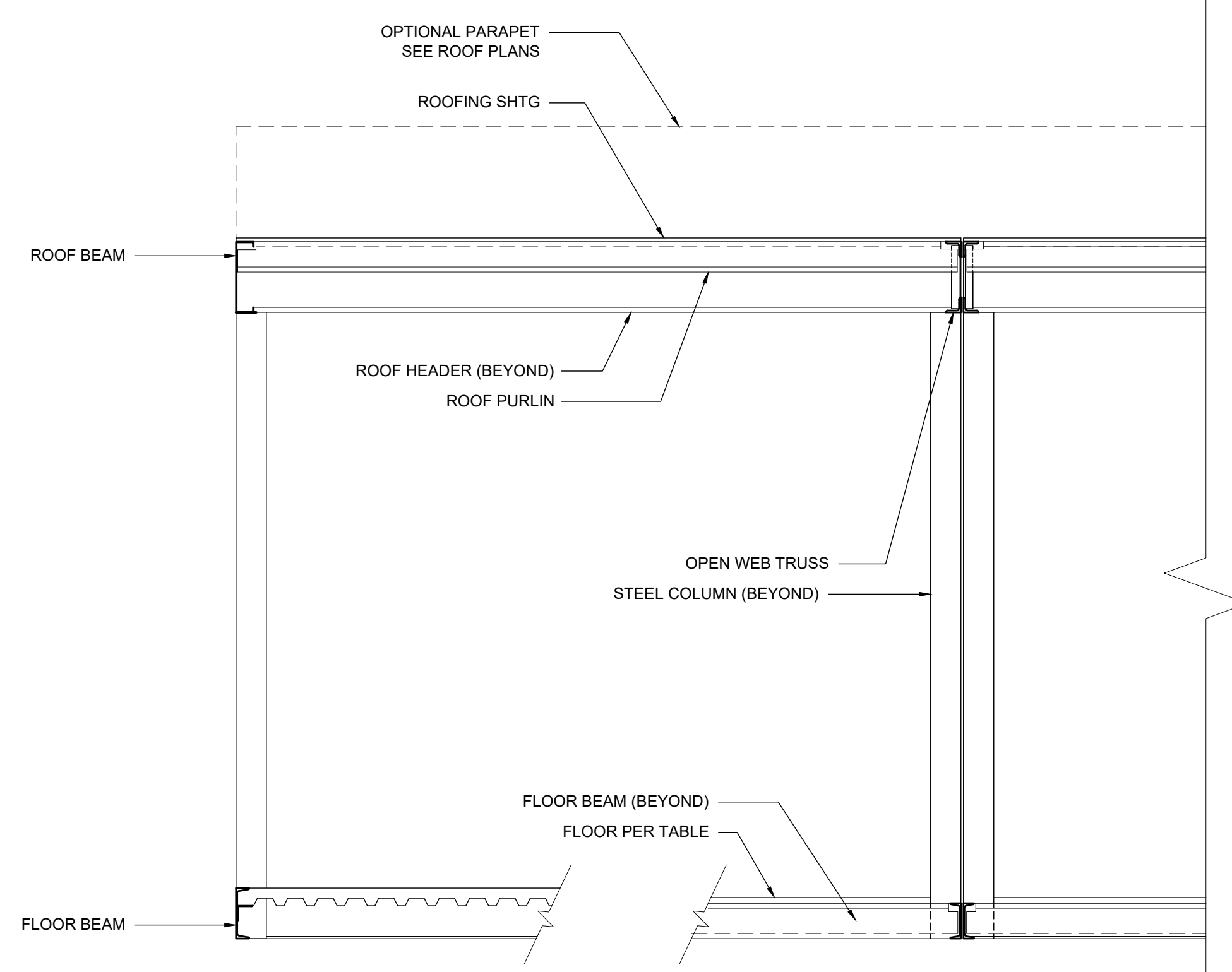
DUAL SLOPE TRUSS





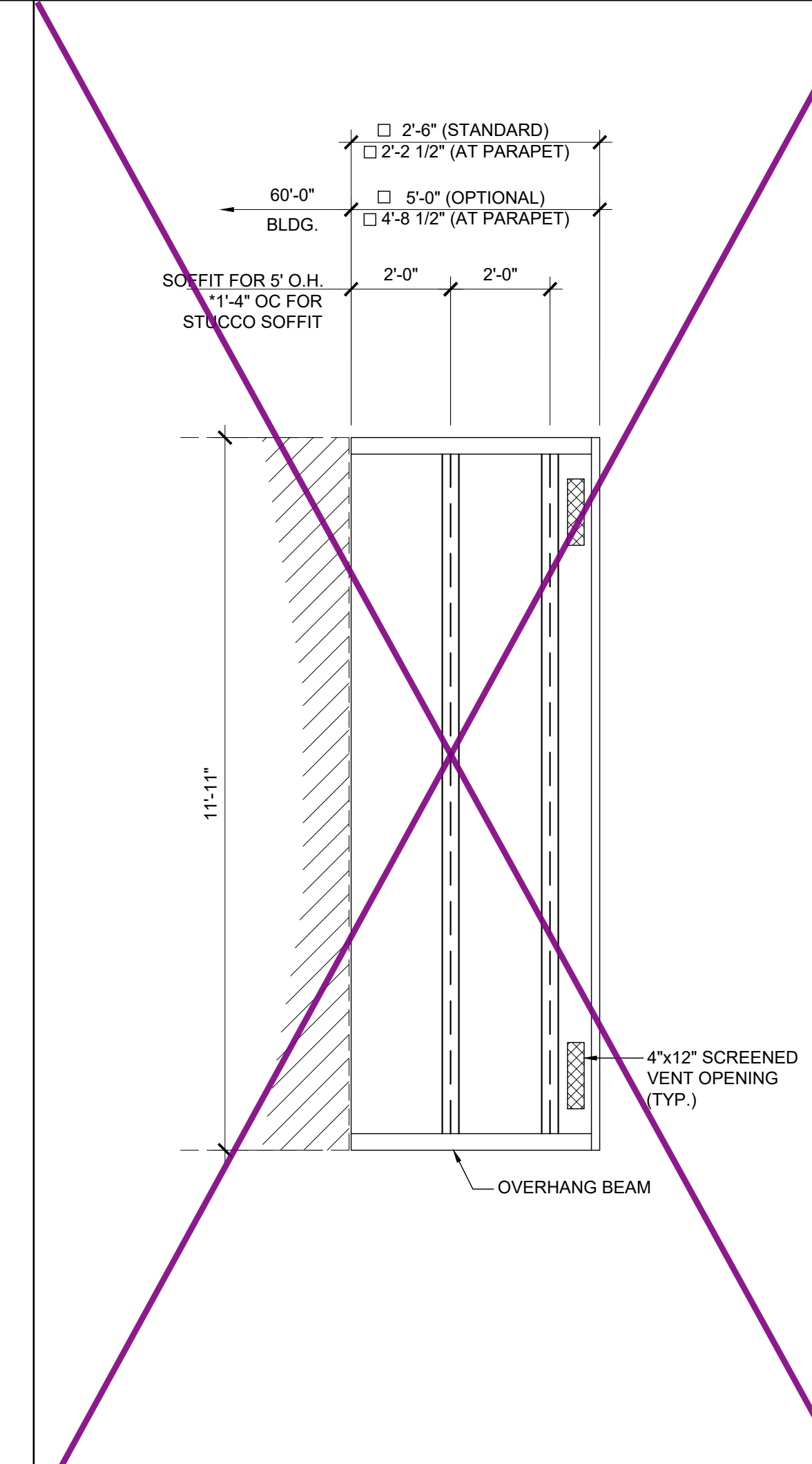
BUILDING SECTION

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



BUILDING SECTION

SCALE: 1/2" = 1'-0" 3



ENCL. SOFFIT PLAN-OPT.

SCALE: 3/8" = 1'-0" 2

NOTES

1. ALL INFORMATION SUCH AS DETAILS, SECTIONS, CONNECTIONS, AND MATERIAL ATTACHMENT SHALL BE REFERENCED FROM OTHER SHEETS WITHIN THIS SET WHERE IT APPLIES.

FLOOR CONSTRUCTION

- WOOD FLOOR
- CONCRETE FLOOR

FLOOR BEAM SCHEDULE

COL HT	NO PARAPET	18" MAX. PARAPET	48" MAX. PARAPET
□ 9'-0"	C8 x 11.5	C8 x 11.5	C10 x 15.3
■ 9'-6"	C8 x 11.5	C10 x 15.3	C10 x 15.3
□ 10'-0"	C8 x 11.5	C10 x 15.3	C10 x 15.3
□ 10'-6"	C8 x 11.5	C10 x 15.3	C10 x 15.3

NOTE: CONCRETE FLOOR REQUIRES C10x15.3 FLOOR BEAMS ALL SCENARIOS

COLUMN SCHEDULE

COL HT	NO PARAPET	18" MAX. PARAPET	48" MAX. PARAPET
□ 9'-0"	6x6x1/4	6x6x1/4	6x6x3/8
■ 9'-6"	6x6x1/4	6x6x1/4	6x6x1/2
□ 10'-0"	6x6x1/4	6x6x1/4	6x6x1/2
□ 10'-6"	6x6x1/4	6x6x1/4	6x6x1/2

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SILVER CREEK INDUSTRIES, INC.



SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG

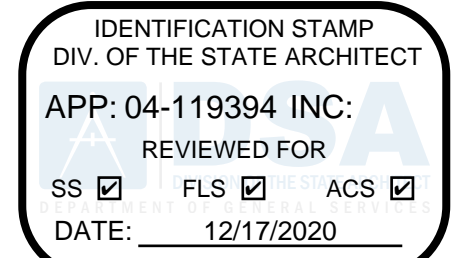
SHEET TITLE:

BUILDING SECTIONS
DUAL SLOPE

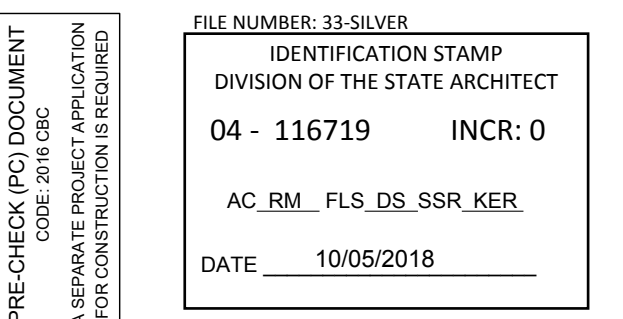


ARCHITECT OF RECORD
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ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

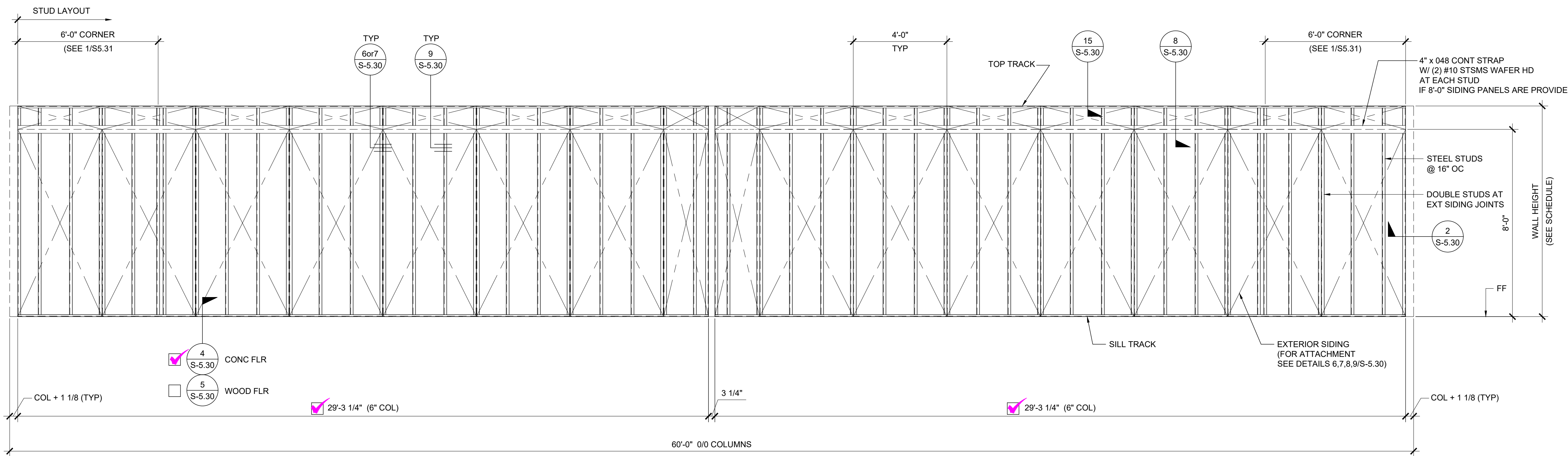
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SILVER CREEK INDUSTRIES
24' x 60' PC

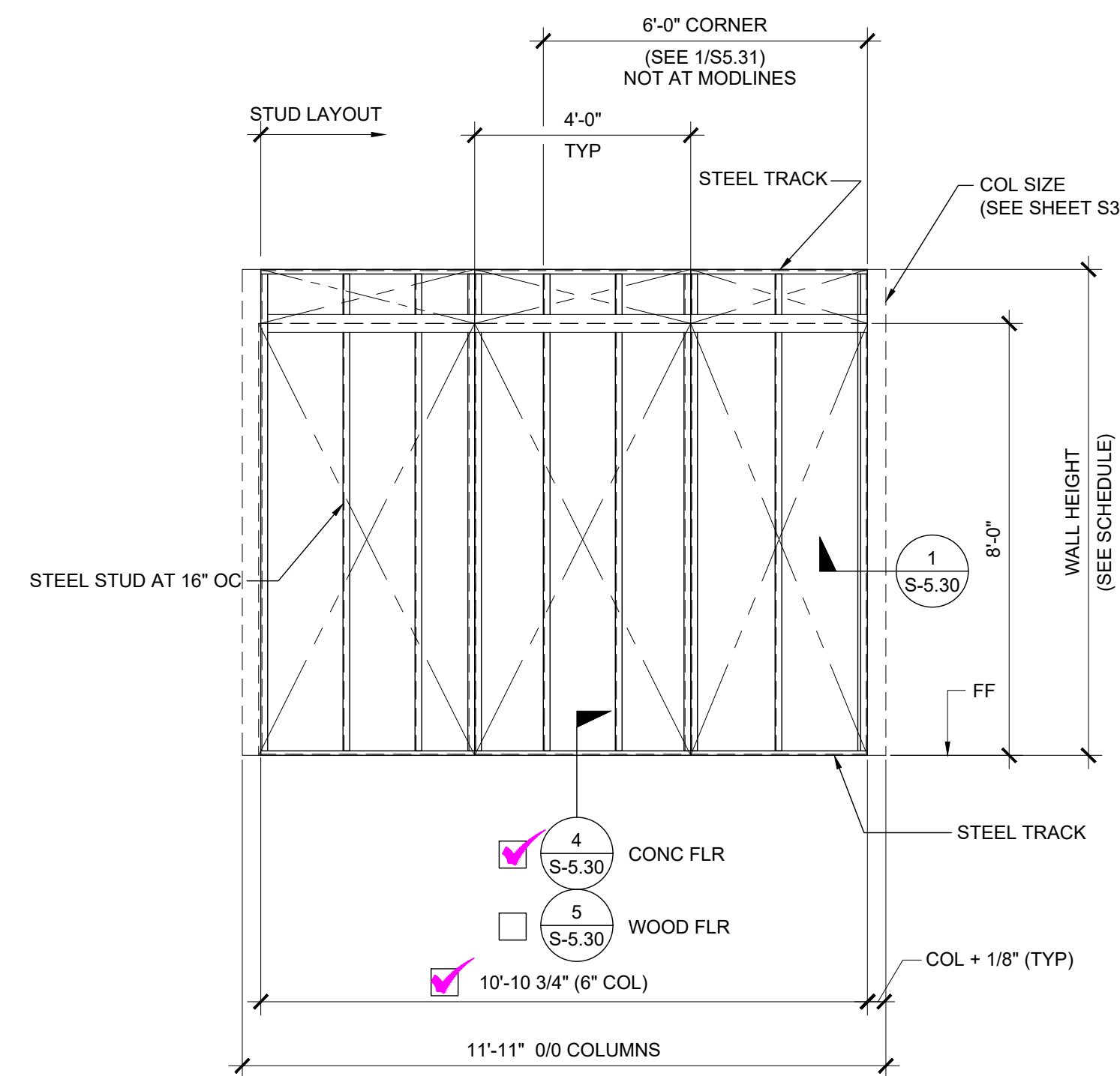
PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18

P.C. SHEET NUMBER

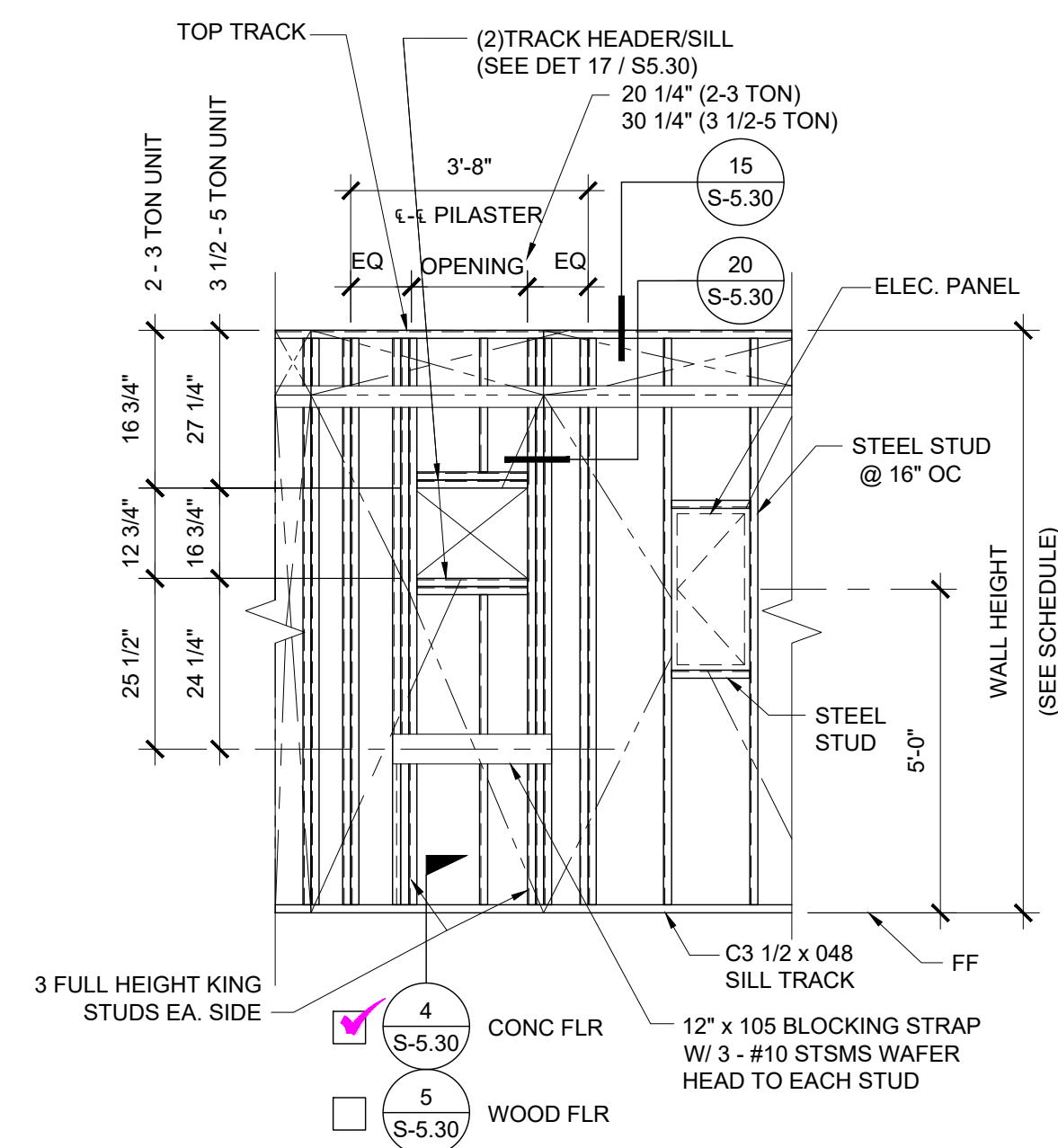
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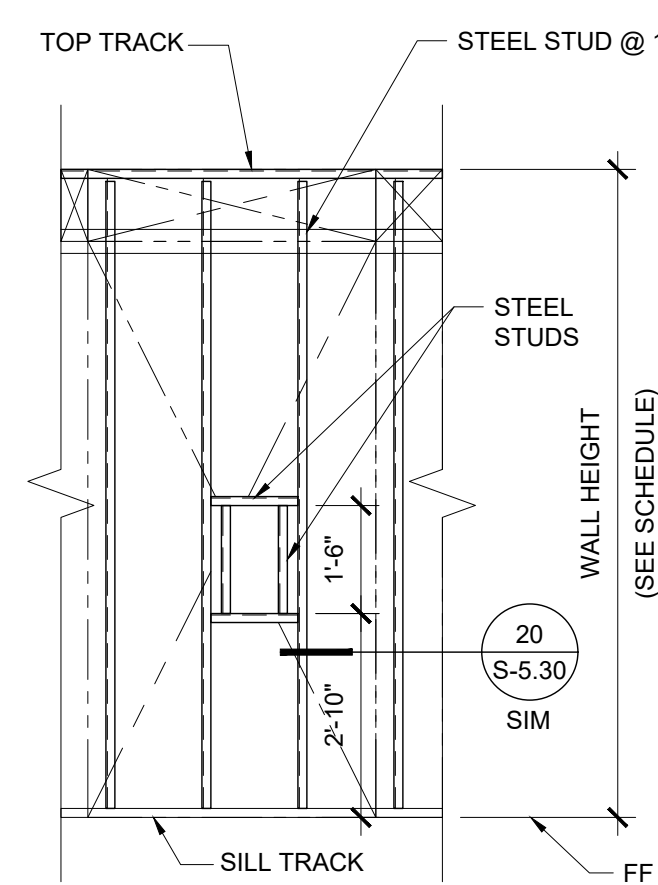
TYPICAL SIDE WALL



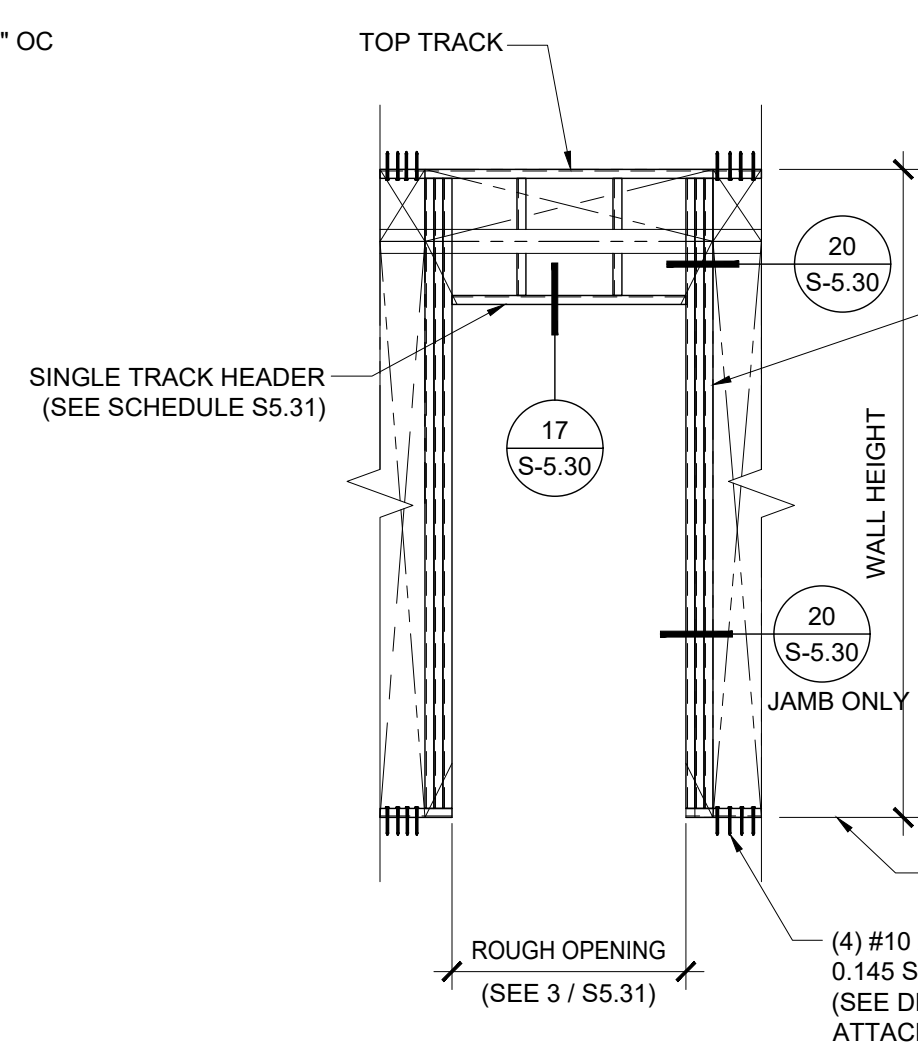
TYPICAL END WALL



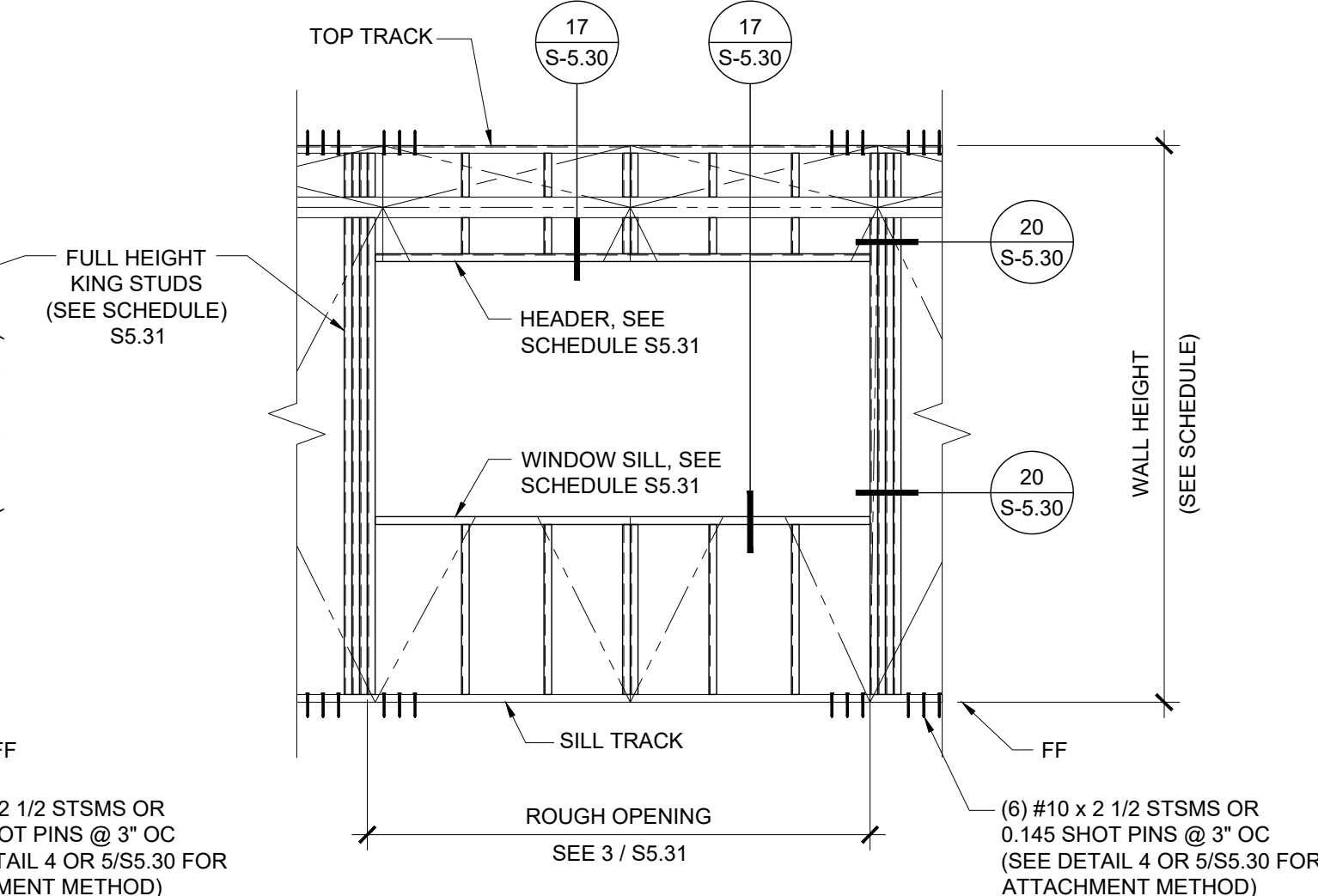
TYPICAL HVAC



FIRE EXTINGUISHER CABINET BLOCKOUT



TYPICAL DOOR



TYPICAL WINDOW

NOTES

- ALL STEEL SECTION STUDS CONFORM TO ASTM A446 GALVANIZED SHEETS HAVE BASE METAL THICKNESS AS INDICATED WITH COATING PER ASTM A525. (REFER TO DETAIL 18/S-5.30 FOR PROPERTIES)
- FOR TRACK SPLICE DETAIL, SEE 19/S5.30

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	9'-0"	9'-6"	10'-0"	10'-6"
CONCRETE FLOOR	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WOOD FLOOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE:
IF PARAPET IS USED & HIGHER THAN 18",
END WALLS MUST BE 2x6 @ 24" O.C.

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IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG

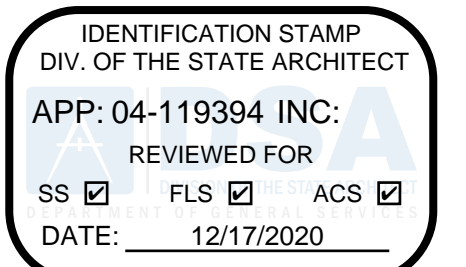
SHEET TITLE:

FRAMING ELEVATIONS
STEEL STUDS

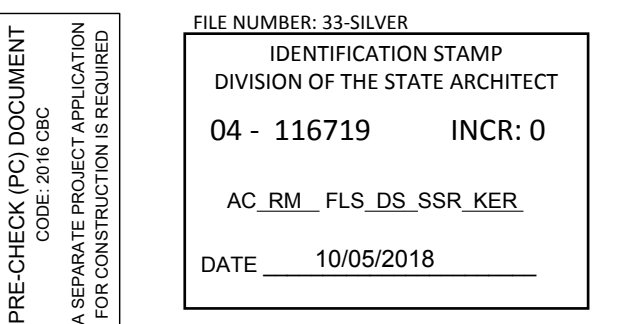


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ORIGINAL PC STATE AGENCY APPROVAL



REVISIONS

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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:

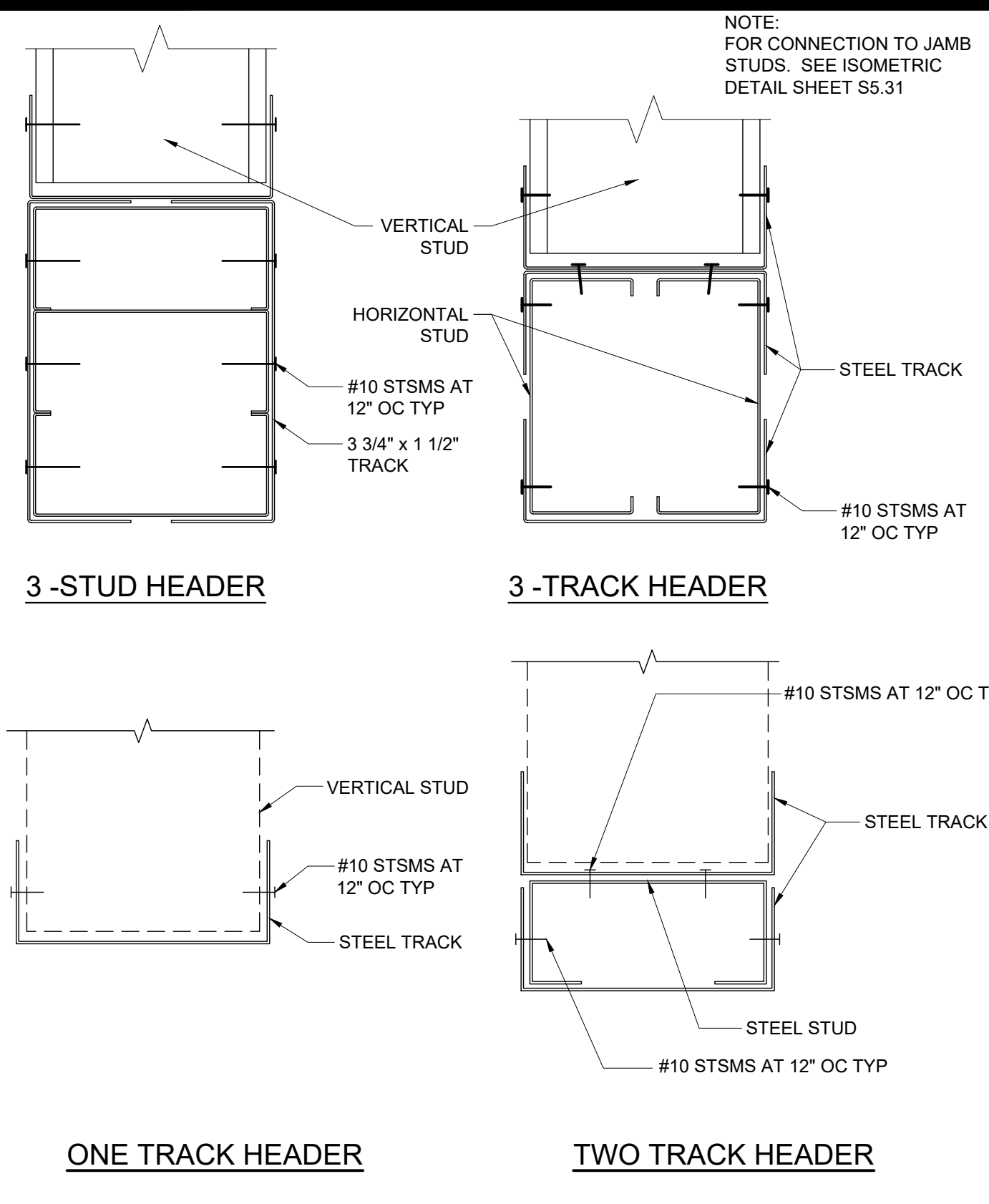
DRAWN BY:

SCALE: AS NOTED

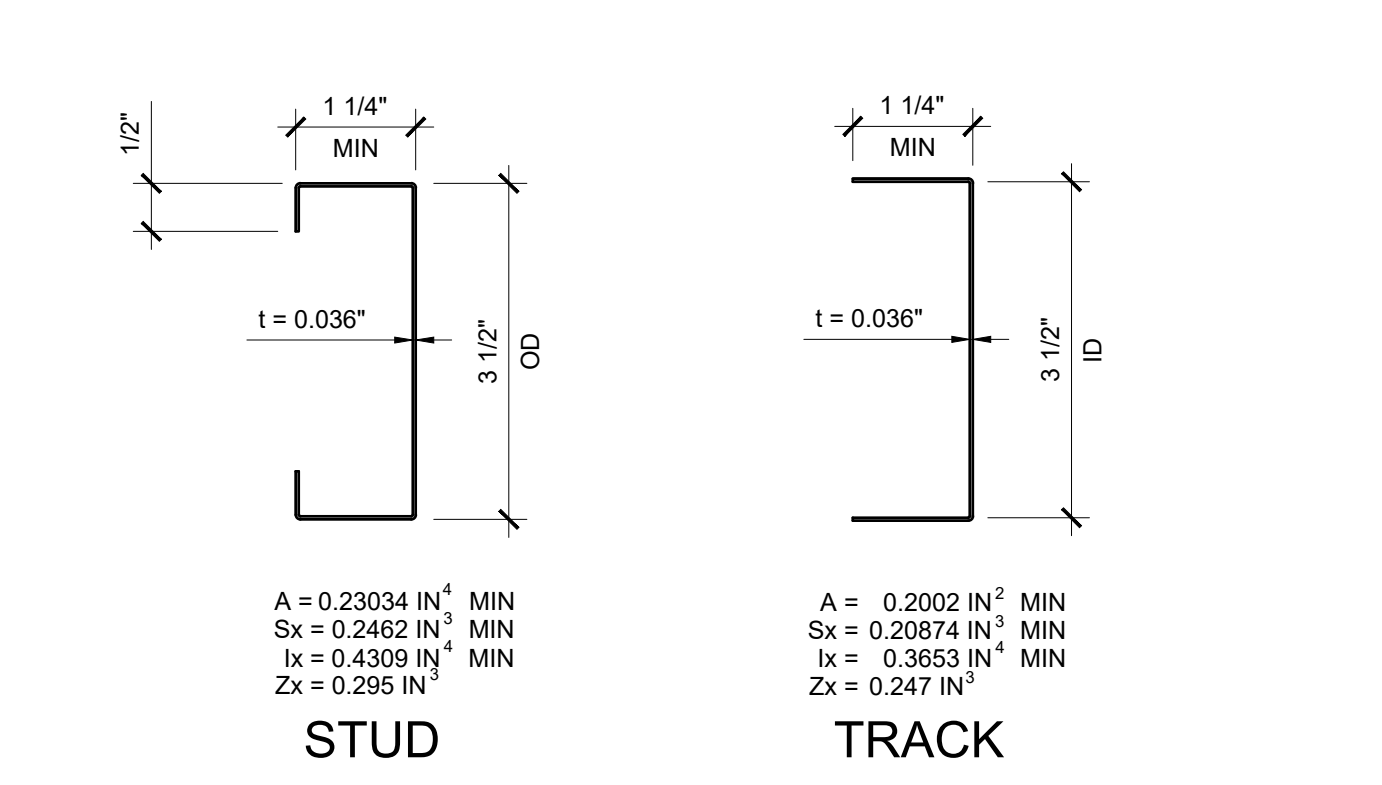
DATE: 8-10-18

P.C. SHEET NUMBER

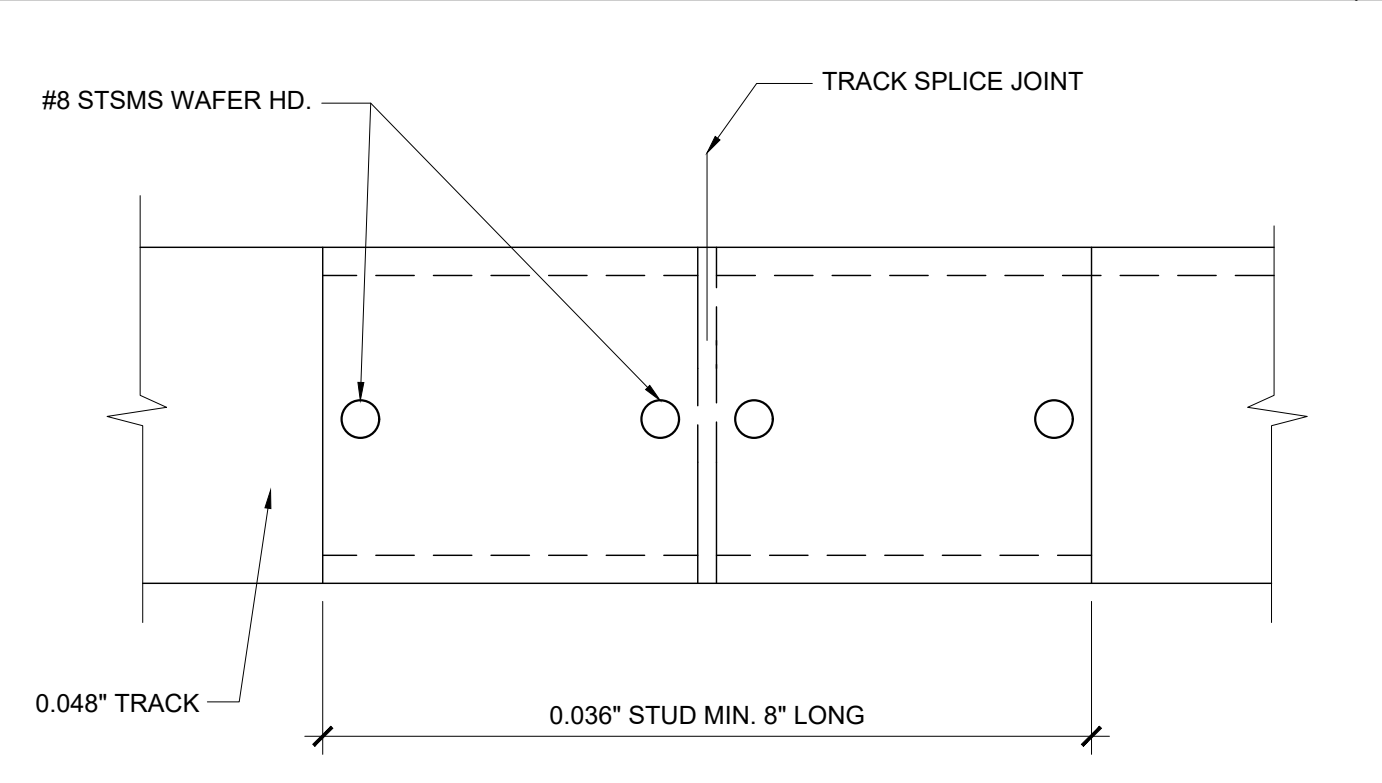
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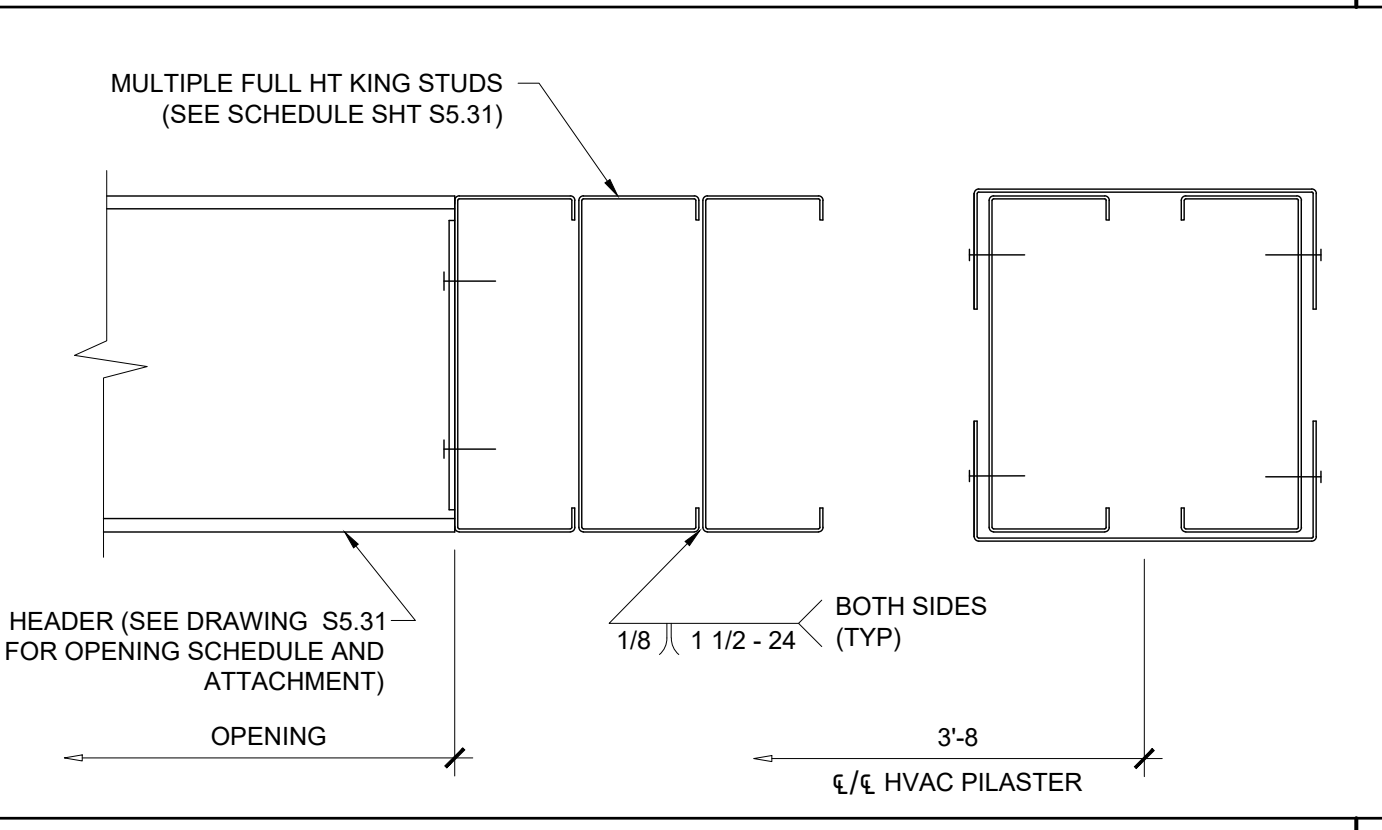
TYPICAL OPENING SILL AND HEADER SECTION SCALE: 6"=1'-0" 17



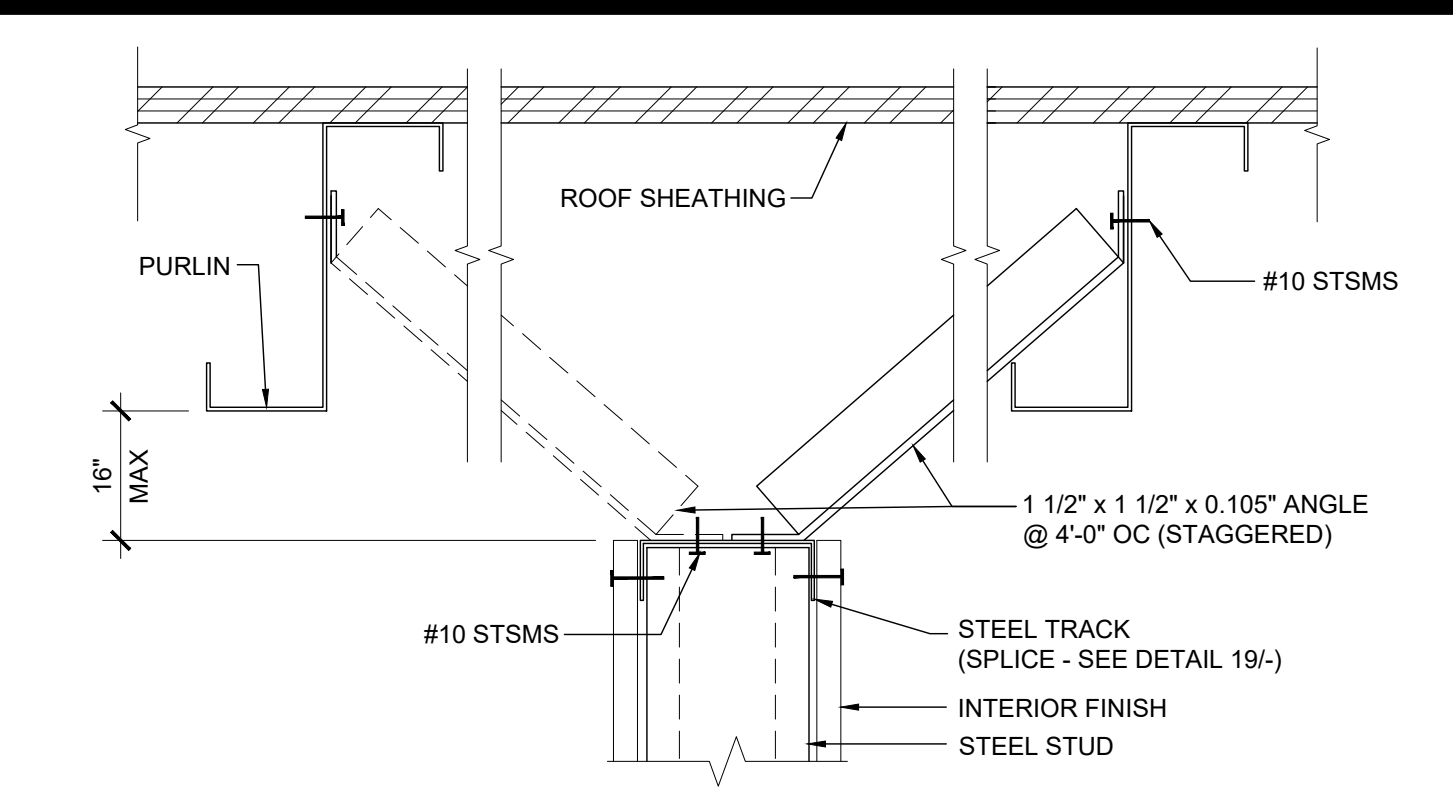
STUD AND TRACK SCALE: 6"=1'-0" 18



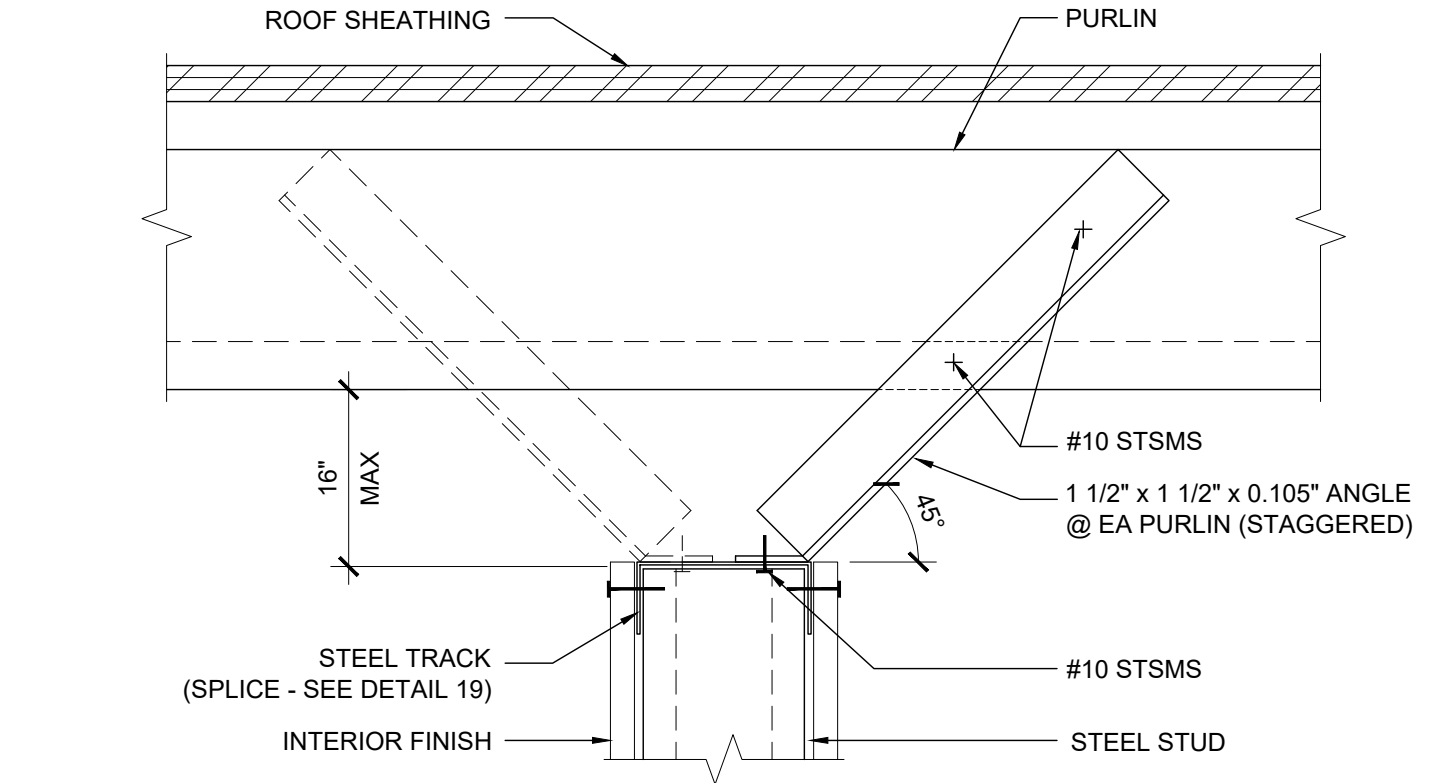
TOP TRACK SPLICE DETAIL SCALE: 6"=1'-0" 19



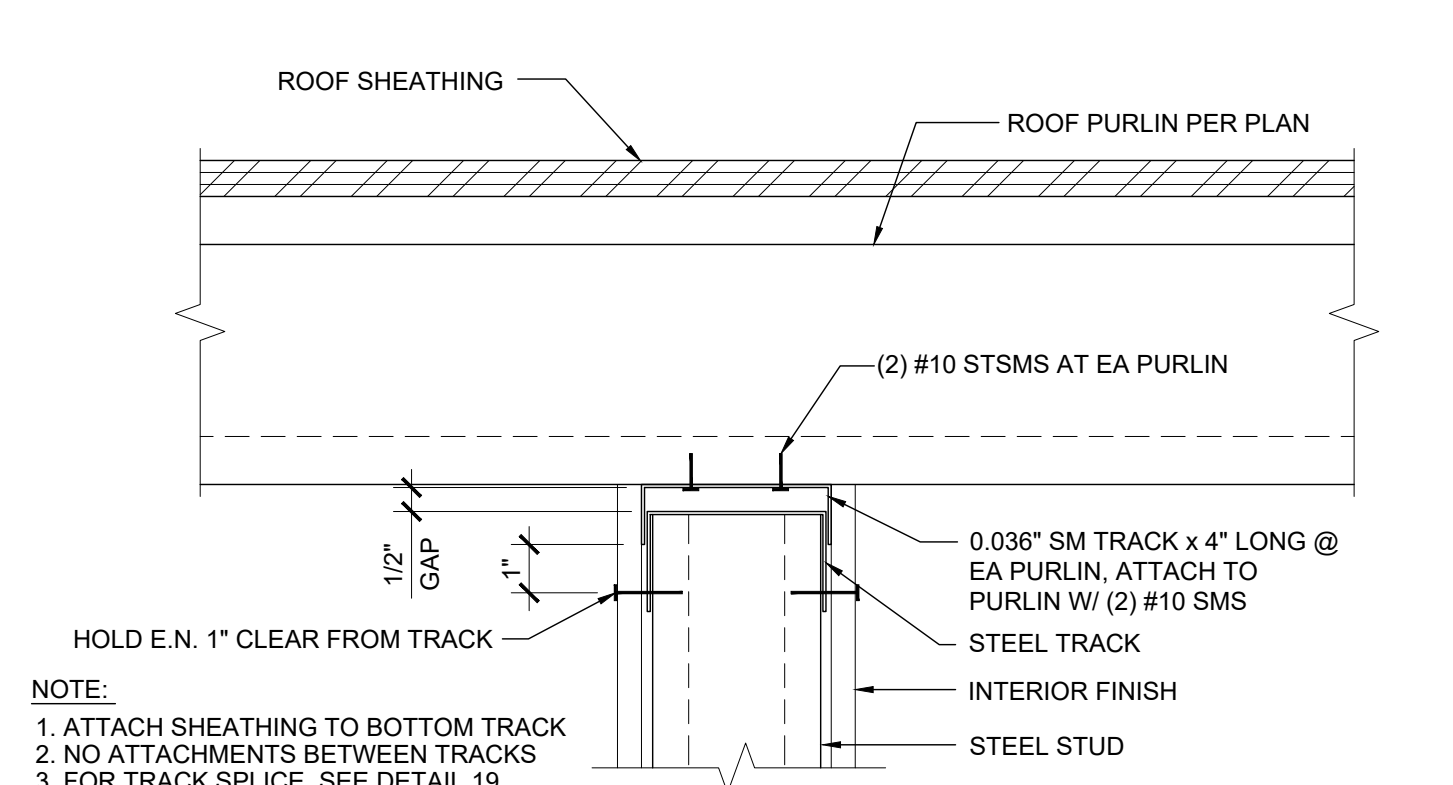
JAMB, SILL OR HEADER CONNECTIONS SCALE: 6"=1'-0" 20



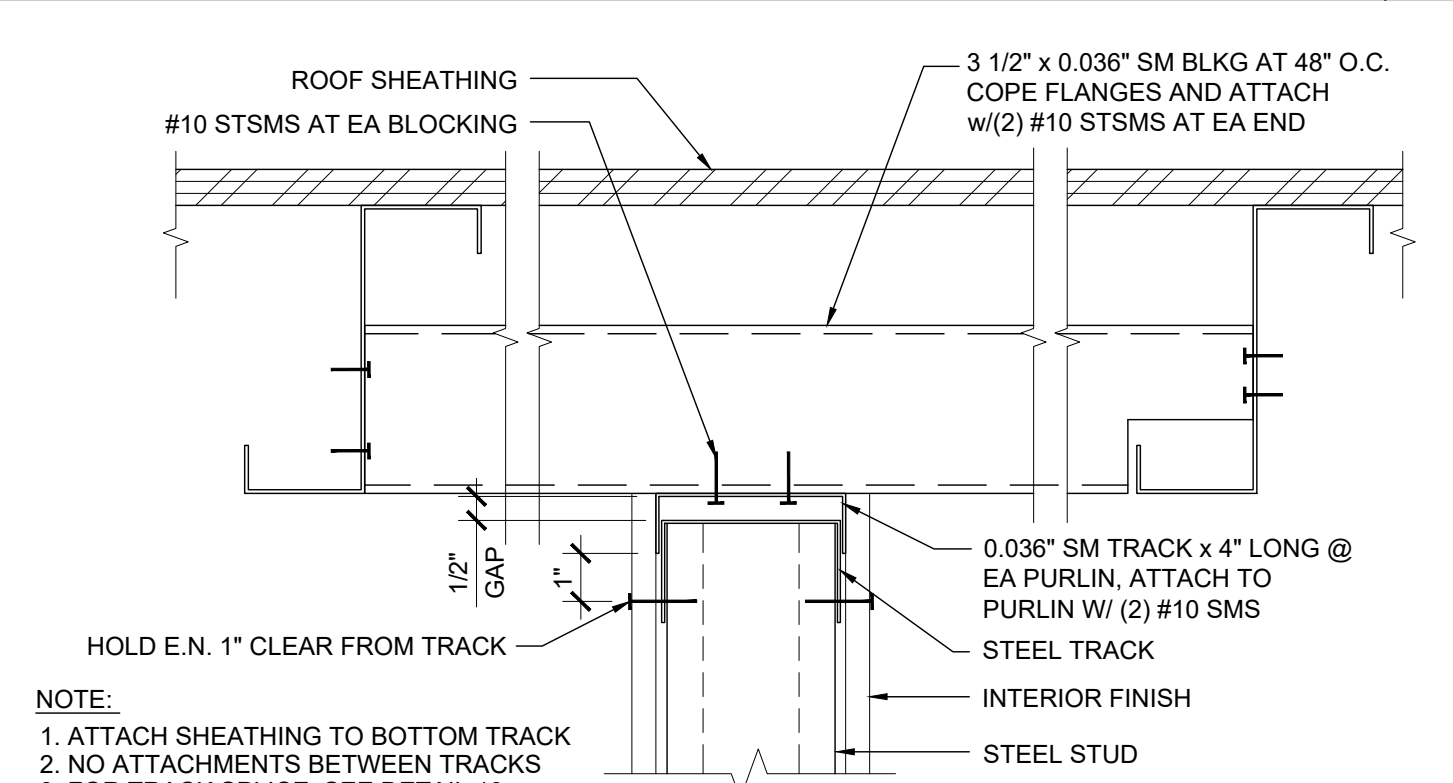
INTERIOR PARTITION - BETW. PURLINS SCALE: 3"=1'-0" 11



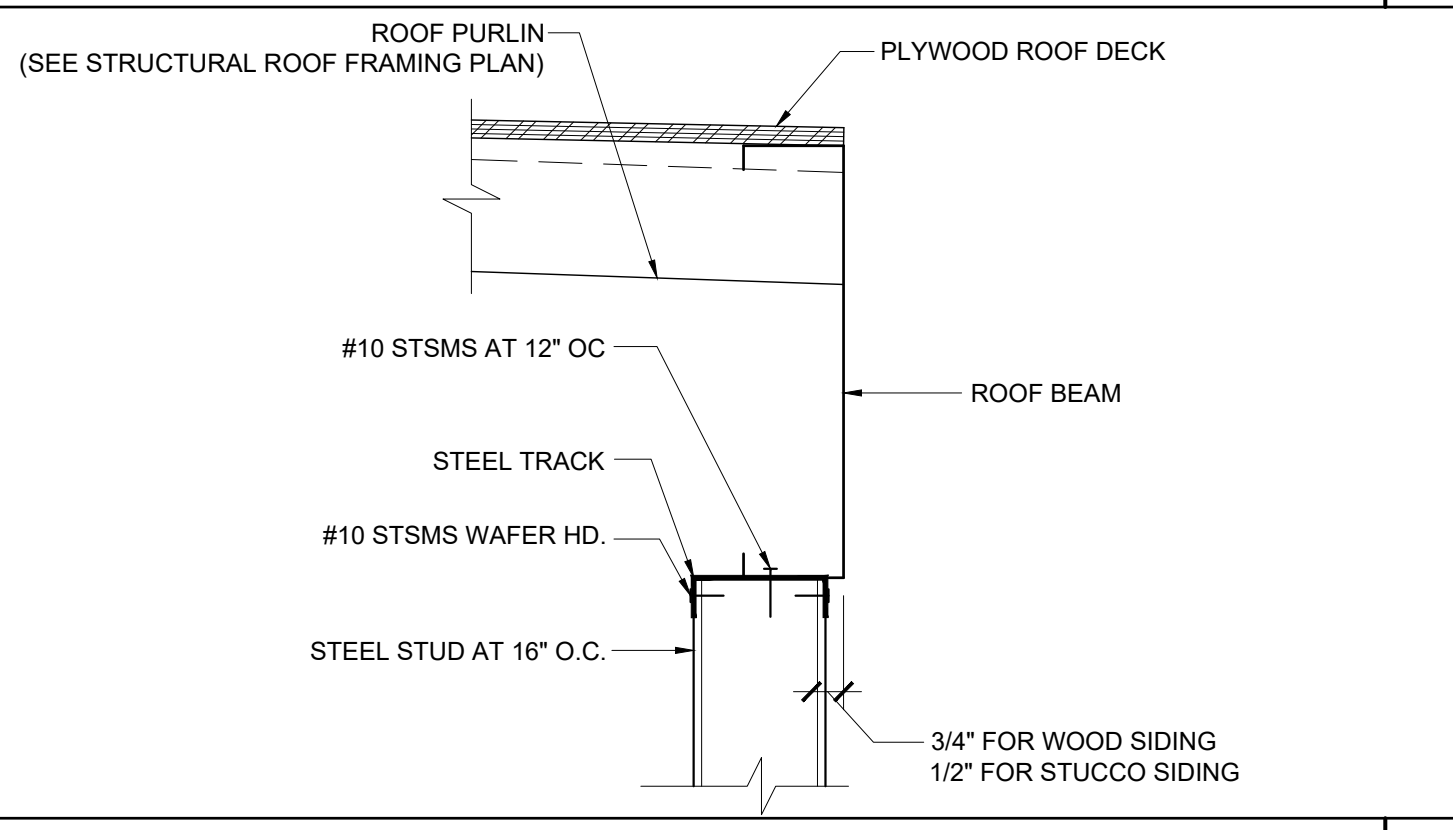
INTERIOR PARTITION SCALE: 3"=1'-0" 12



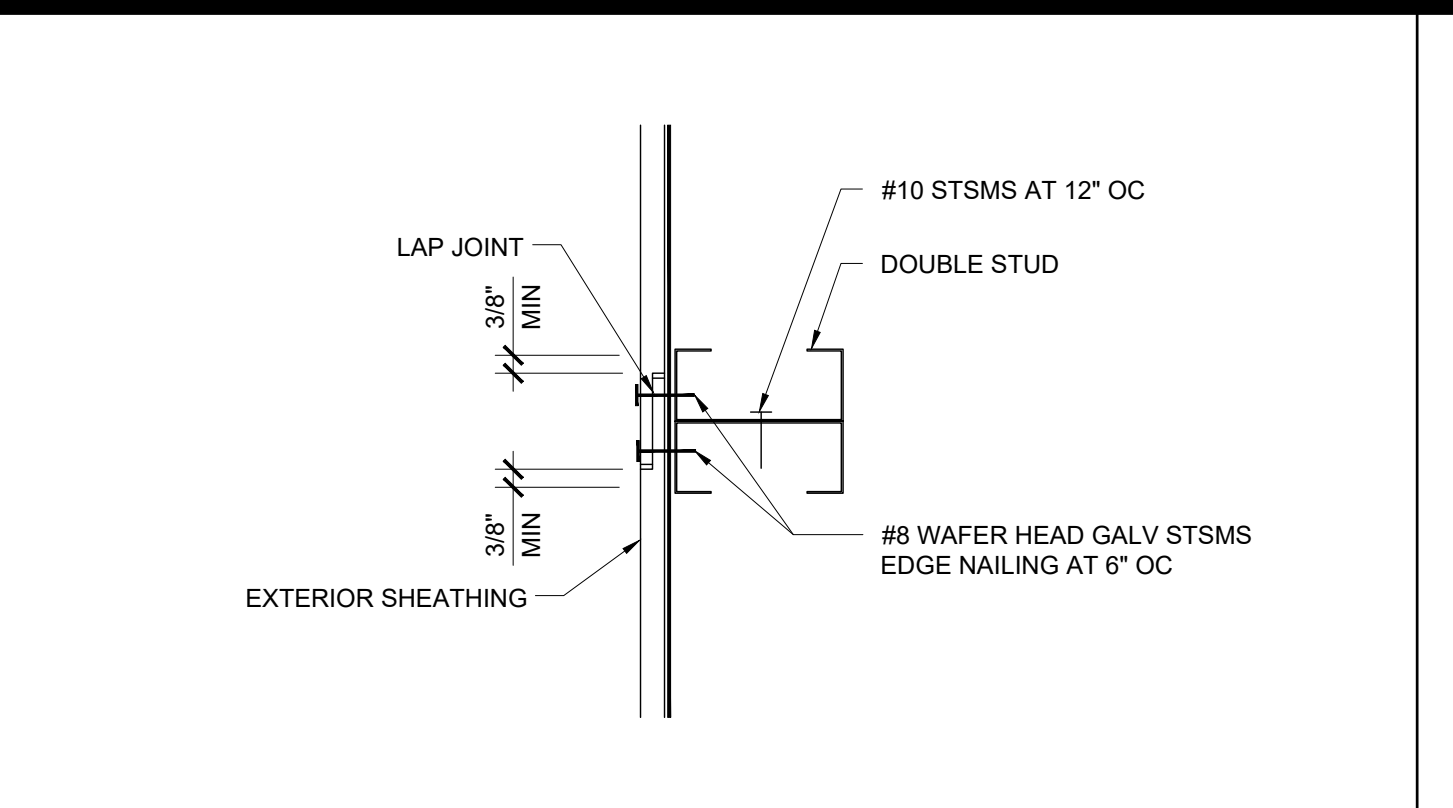
FULL INTERIOR PARTITION - UNDER PURLINS SCALE: 3"=1'-0" 13



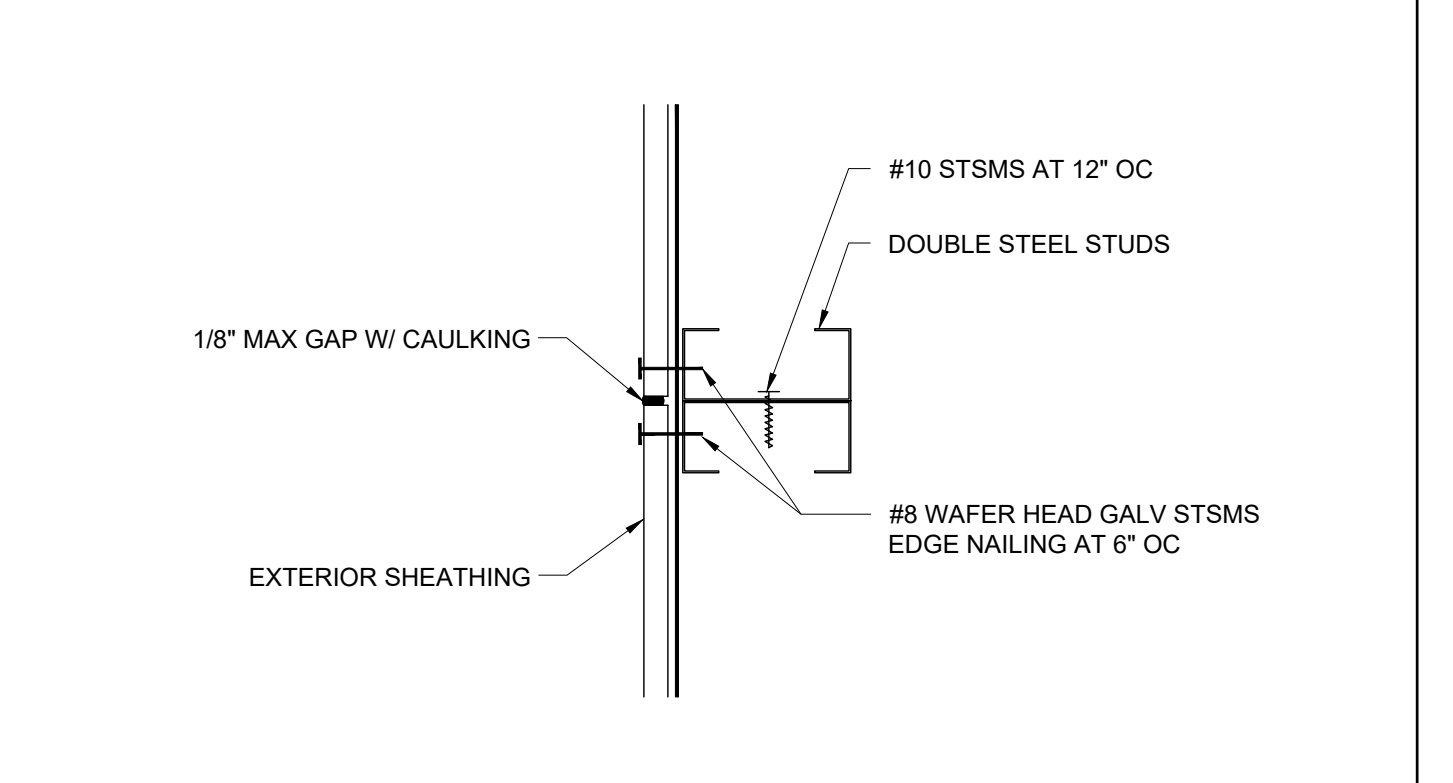
FULL INTERIOR PARTITION - BETW. PURLINS SCALE: 3"=1'-0" 14



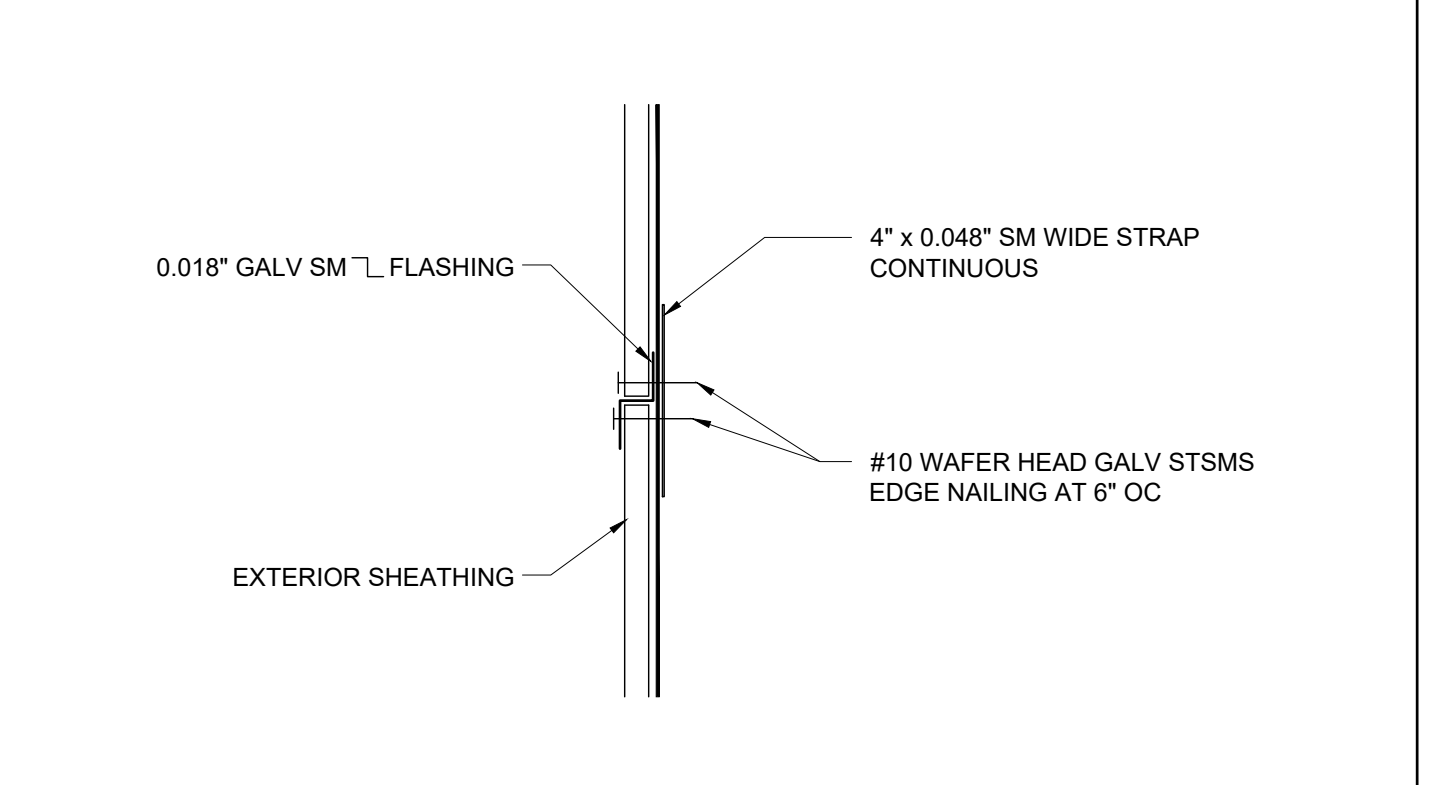
EXTERIOR WALL TO ROOF BEAM SCALE: 1 1/2"=1'-0" 15



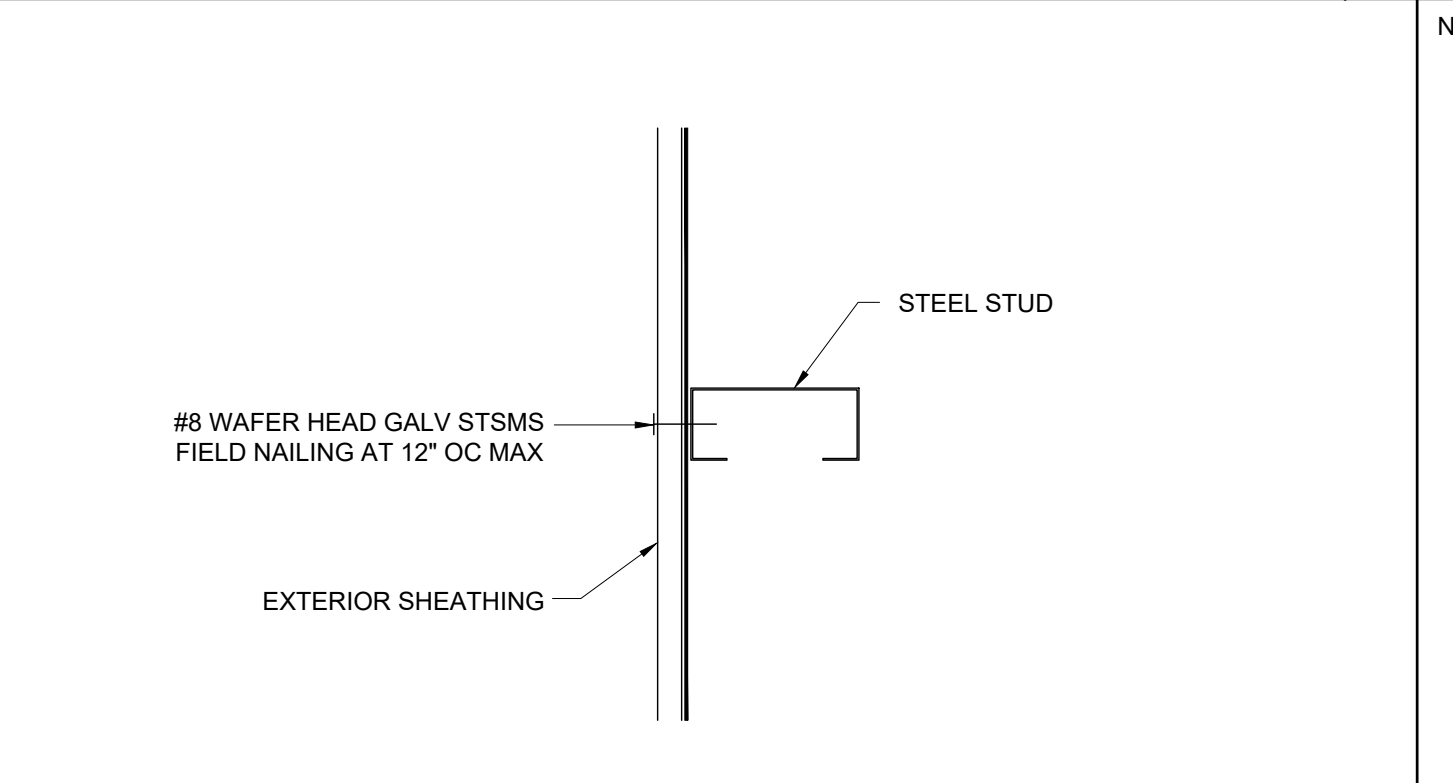
VERTICAL SHEATHING LAP JOINT SCALE: 3"=1'-0" 6



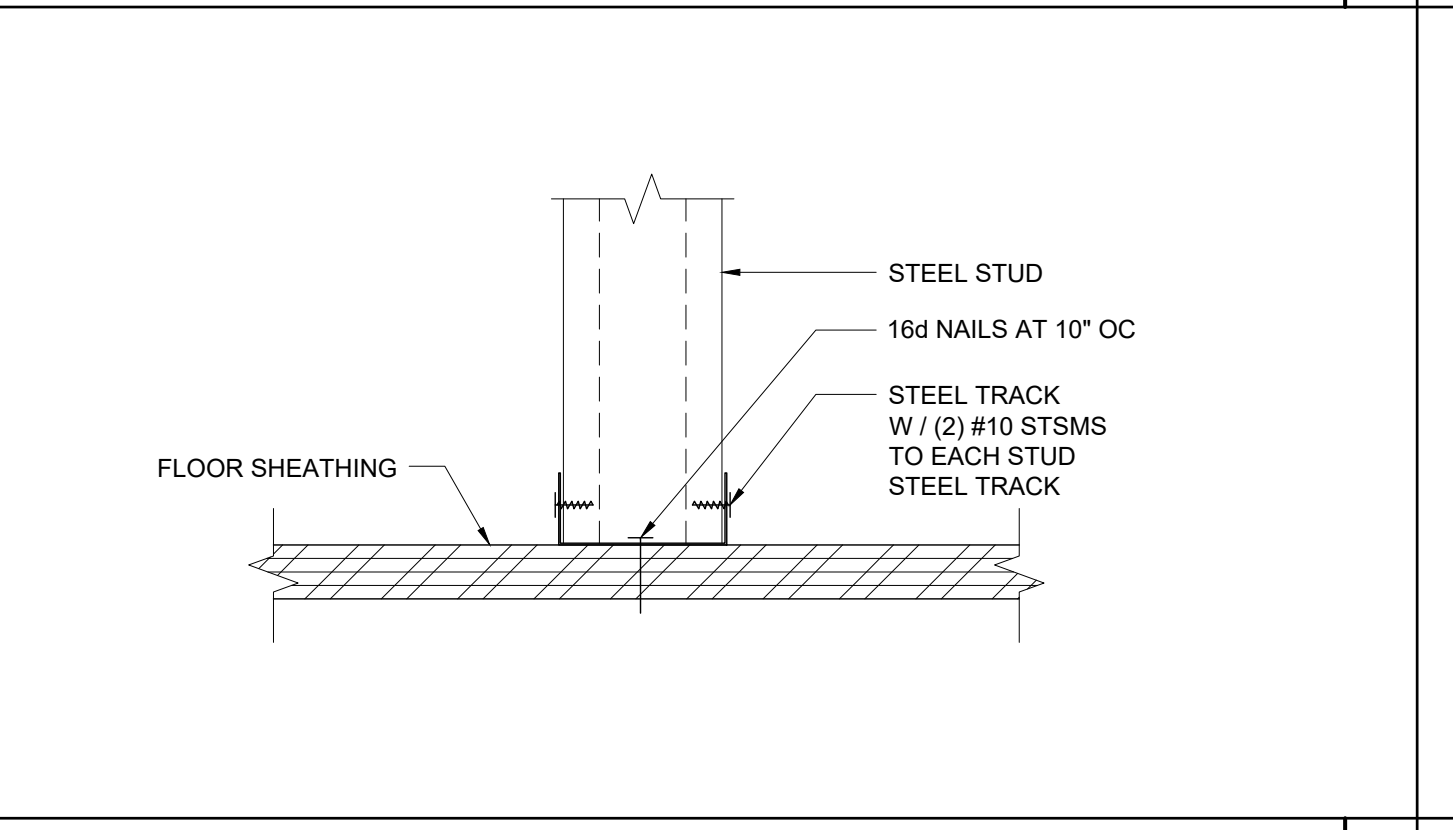
VERTICAL SHEATHING BUTT JOINT SCALE: 3"=1'-0" 7



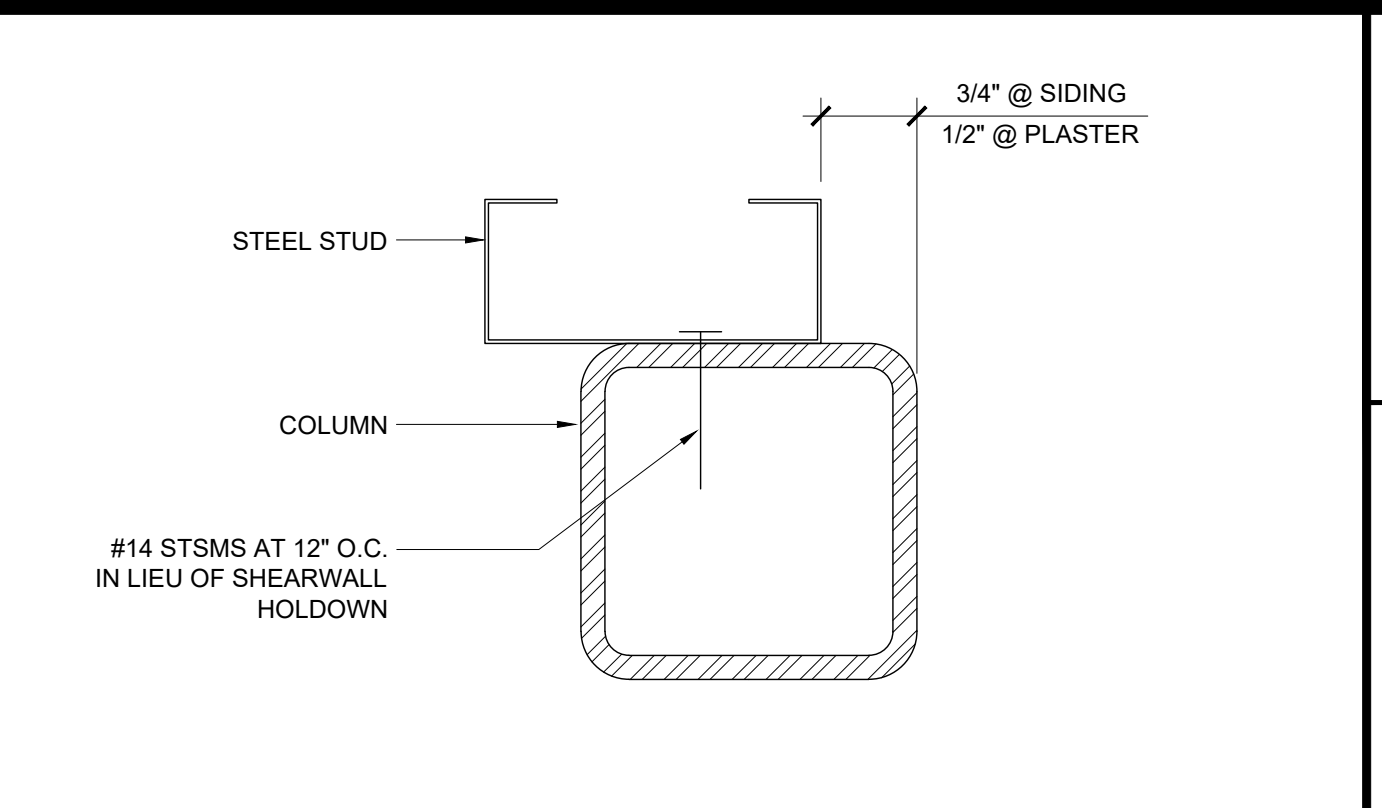
HORIZONTAL SHEATHING JOINT SCALE: 3"=1'-0" 8



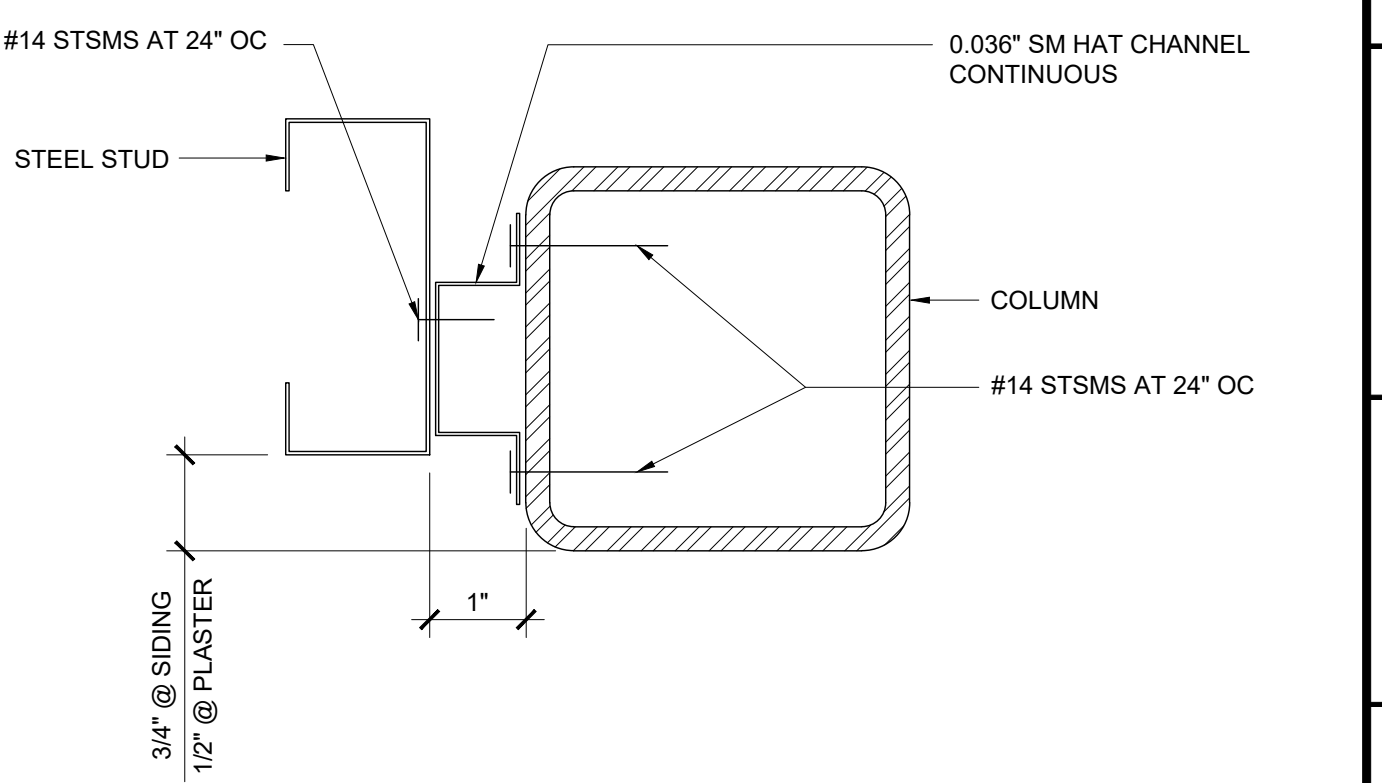
SECTION AT STUD SCALE: 3"=1'-0" 9



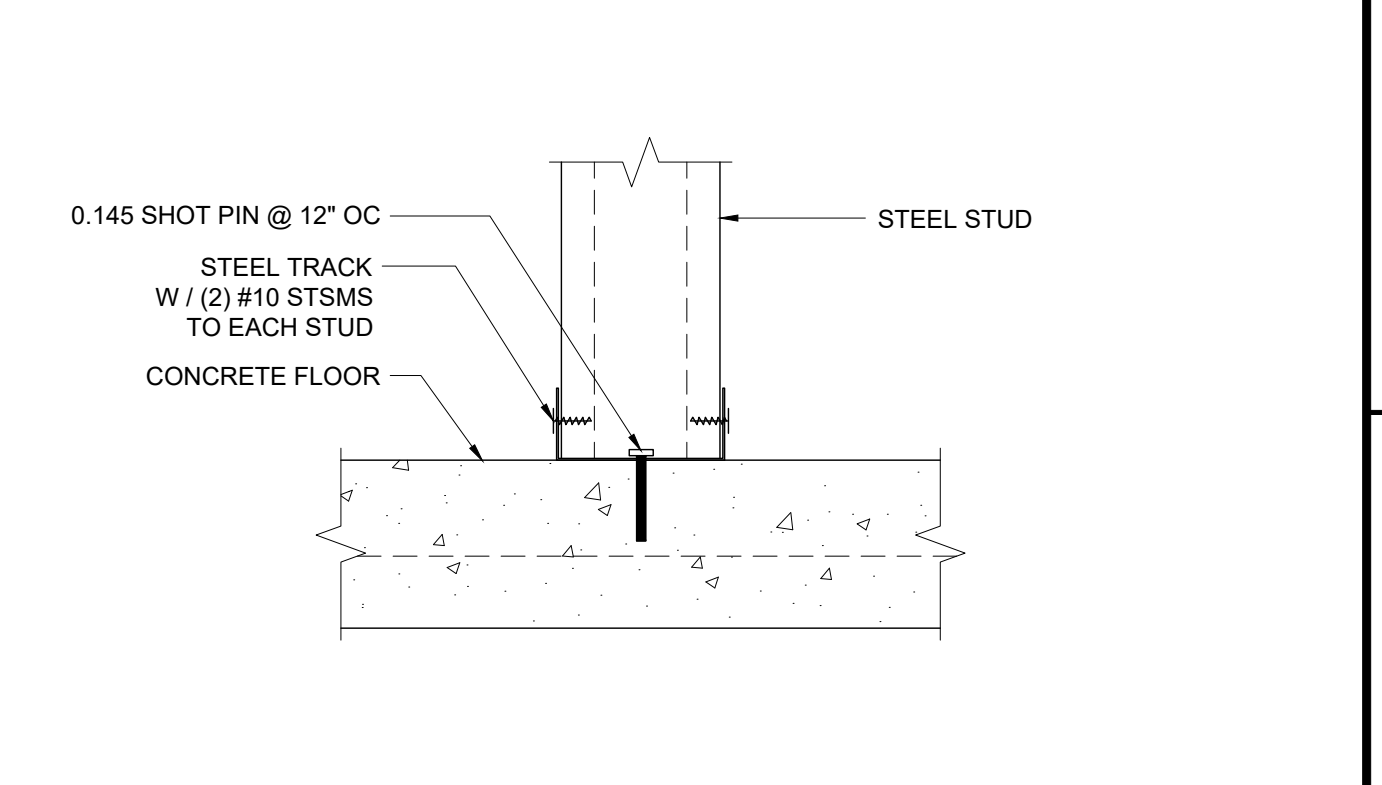
PARTITION CONNECTION AT WOOD FLOOR SCALE: 3"=1'-0" 10



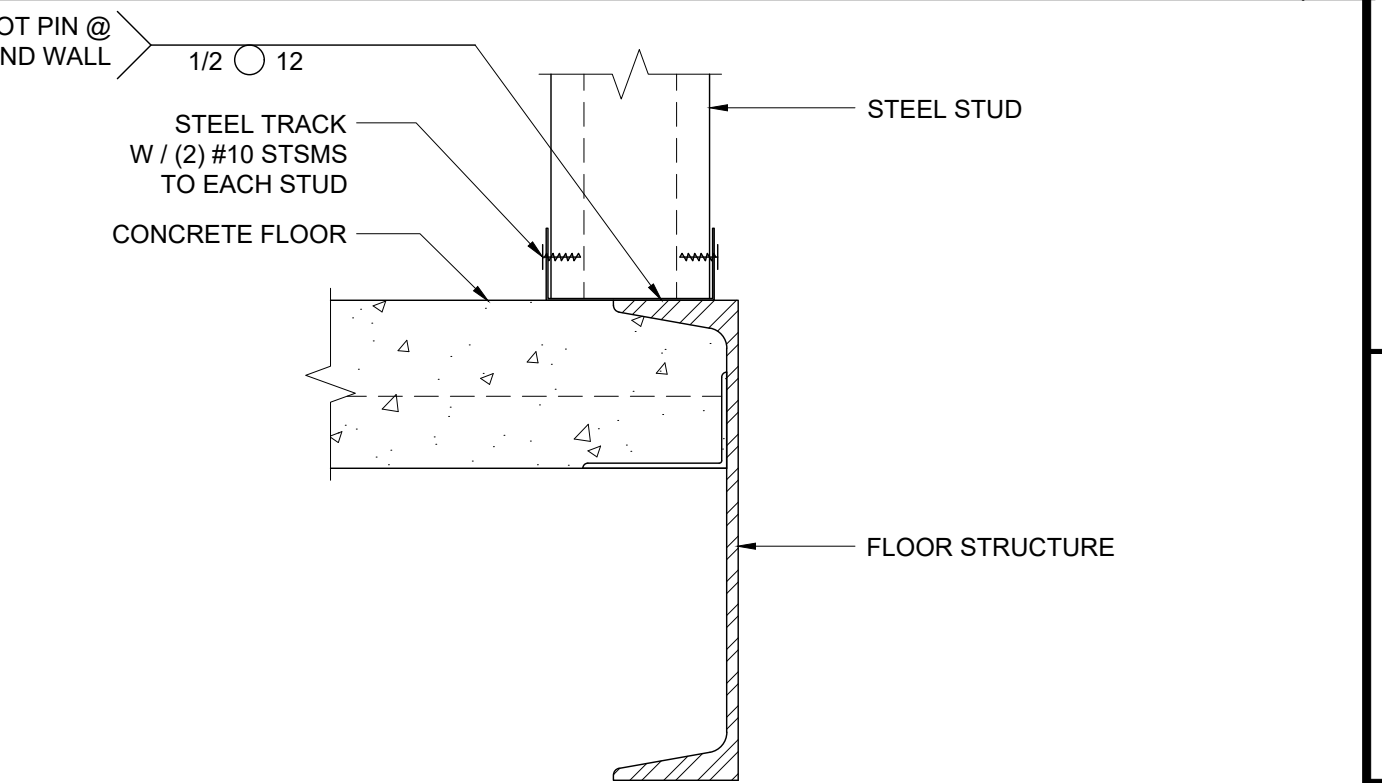
COLUMN AT ENDWALL SCALE: 6"=1'-0" 1



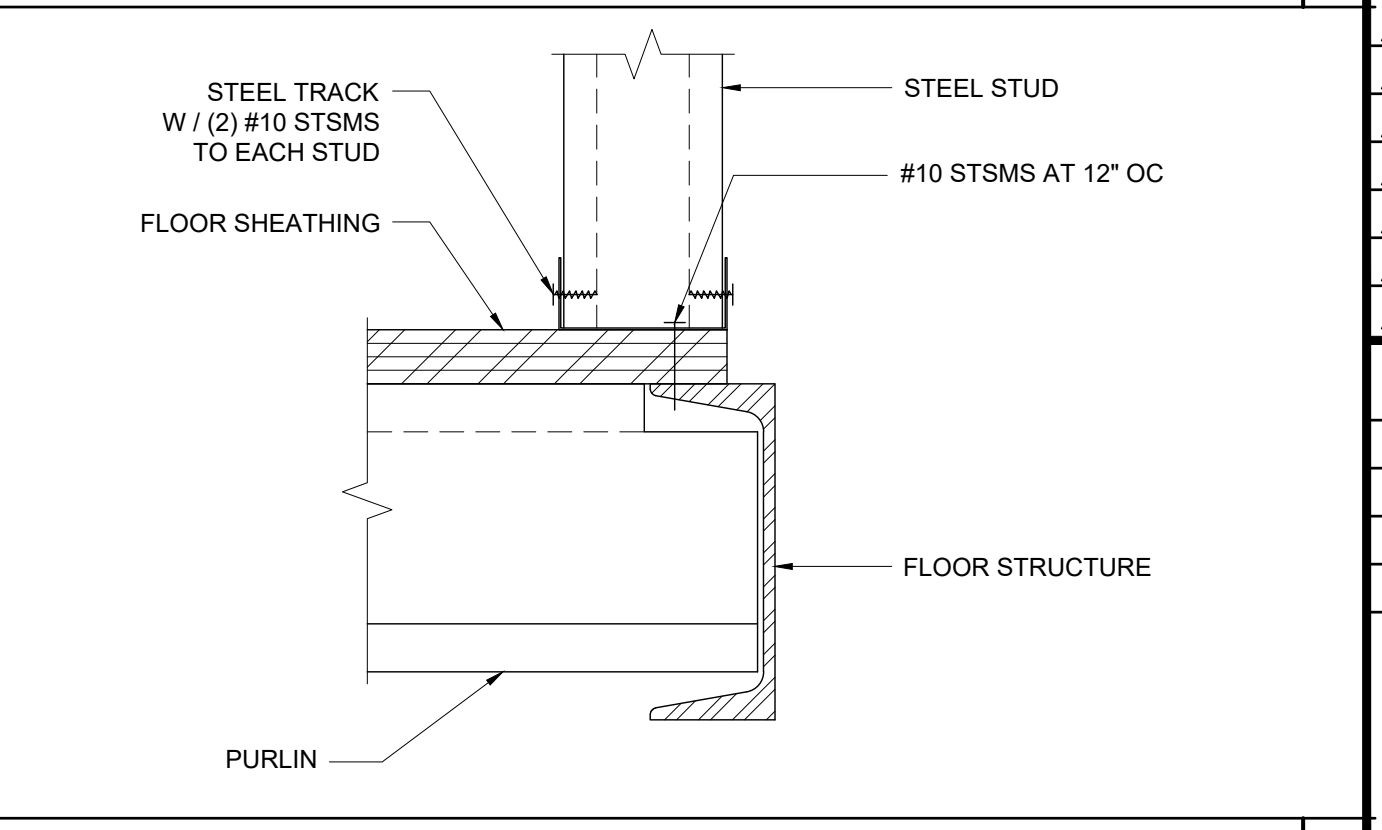
COLUMN AT SIDEWALL SCALE: 6"=1'-0" 2



PARTITION CONNECTION AT CONC FLOOR SCALE: 3"=1'-0" 3



WALL SILL AT CONCRETE FLOOR SCALE: 3"=1'-0" 4



WALL SILL AT WOOD FLOOR SCALE: 3"=1'-0" 5

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IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**WALL FRAMING
DETAILS
STEEL STUDS**

REGISTERED PROFESSIONAL ENGINEER
JOHN W. STARBUCK
STATE OF CALIFORNIA
STRUCTURAL

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

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DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/17/2020

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116719 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE: 10/05/2018

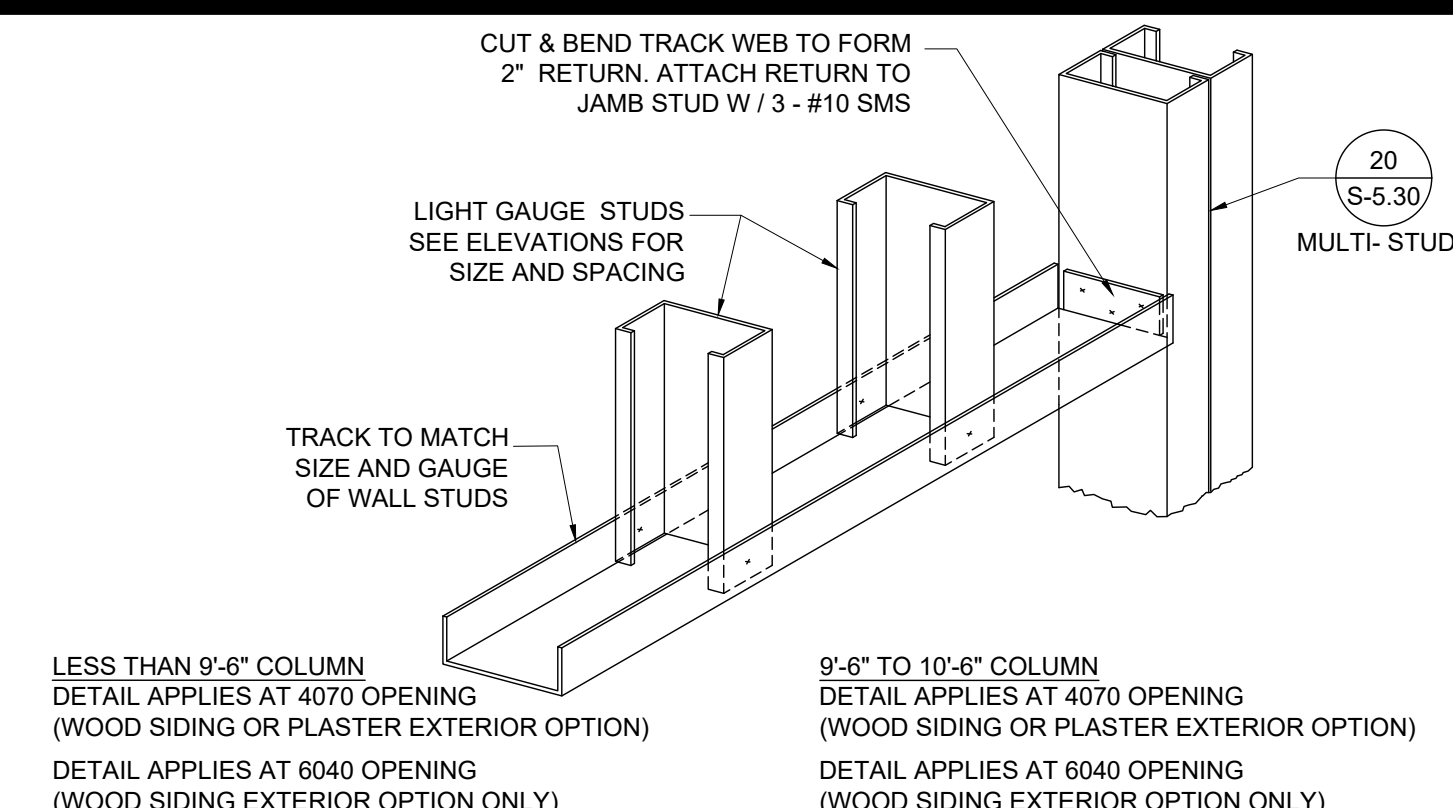
REVISIONS

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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18
P.C. SHEET NUMBER

S-5.30



WALL HEIGHT	EXT FINISH	STEEL WALL FRAMING				4' CORNER OF STEEL WALL FRAMING (ZONE 5)			
		NO. **	SIZE **	TYPE	OC	NO. **	SIZE **	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	3.5 x 1.25 x 0.5 x 0.36	STUD	16" OC	(1)	3.5 x 1.25 x 0.5 x 0.36	STUD	16" OC
	W/ PLASTER	(1)	3.5 x 1.25 x 0.5 x 0.36	STUD	16" OC	(1)	3.5 x 1.25 x 0.5 x 0.36	STUD	12" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	3.5 x 1.25 x 0.5 x 0.36	STUD	16" OC	(1)	3.5 x 1.25 x 0.5 x 0.36	STUD	16" OC
	W/ PLASTER	(1)	3.5 x 1.25 x 0.5 x 0.36	STUD	12" OC	(2)	3.5 x 1.25 x 0.5 x 0.36	STUD	12" OC

** 5 1/2" AND 7 1/2" STEEL STUD OPTIONS MAY BE SUBSTITUTED IN LIEU OF 3 1/2" STEEL STUDS. NUMBER OF STUDS DO NOT CHANGE AND SHALL REMAIN THE SAME AS SHOWN ON SCHEDULE. SEE DETAIL 9 OR 10.

NOTE:
1. ALL STUDS TO BE .036 THICKNESS UNO, ALL TRACKS TO BE .036 MIN.

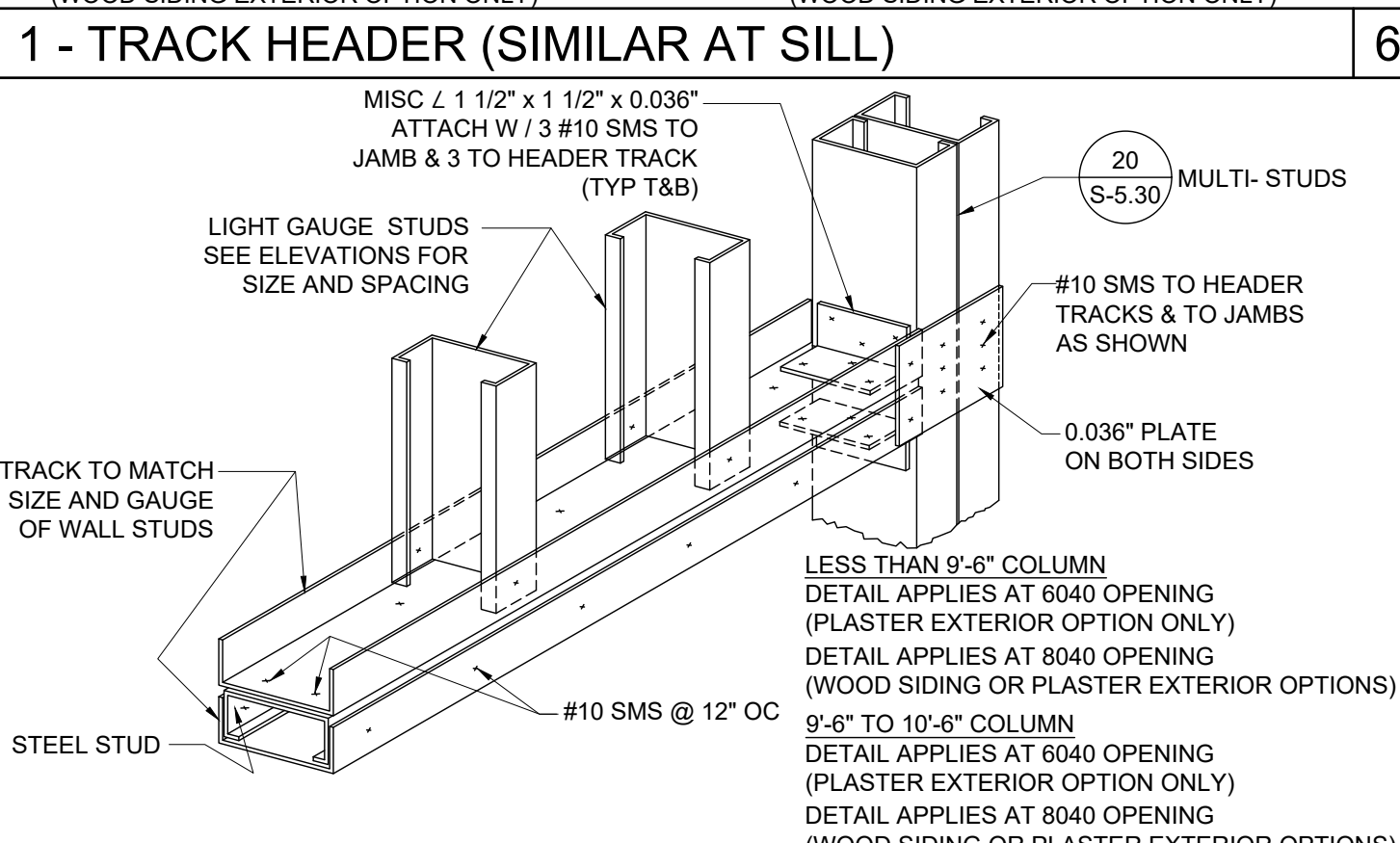
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SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211



COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER			SILL			FULL HEIGHT KING STUD		
			NO. **	SIZE **	TYPE	NO. **	SIZE **	TYPE	NO. **	SIZE **	TYPE
9'-6" OR LESS	4070	NO PLASTER	(1)	3.5 x 1.25 x 0.36	TRACK	(2)	N/A		(2)	3.5 x 1.25 x 0.5 x 0.36	STUDS
		W/ PLASTER	(1)	3.5 x 1.25 x 0.36	TRACK	(2)	N/A		(2)	3.5 x 1.25 x 0.5 x 0.36	STUDS
	6040	NO PLASTER	(2)	3.5 x 1.25 x 0.36	TRACK	(2)	3.5 x 1.25 x 0.36	TRACK	(3)	3.5 x 1.25 x 0.5 x 0.36	STUDS
10'-6" OR LESS	6040	NO PLASTER	(3)	3.5 x 1.25 x 0.36	STUD	(3)	3.5 x 1.25 x 0.36	STUD	(4)	3.5 x 1.25 x 0.5 x 0.36	STUDS
		W/ PLASTER	(3)	3.5 x 1.25 x 0.36	STUD	(3)	3.5 x 1.25 x 0.36	STUD	(4)	3.5 x 1.25 x 0.5 x 0.36	STUDS
	8040	NO PLASTER	(1)	3.5 x 1.25 x 0.36	TRACK	(2)	N/A		(3)	3.5 x 1.25 x 0.5 x 0.36	STUDS
	W/ PLASTER	(2)	3.5 x 1.25 x 0.36	TRACK	(2)	3.5 x 1.25 x 0.36	TRACK	(4)	3.5 x 1.25 x 0.5 x 0.36	STUDS	
	NO PLASTER	(3)	3.5 x 1.25 x 0.36	STUD	(3)	3.5 x 1.25 x 0.36	STUD	(4)	3.5 x 1.25 x 0.5 x 0.36	STUDS	
	W/ PLASTER	(3)	3.5 x 1.25 x 0.36	STUD	(3)	3.5 x 1.25 x 0.36	STUD	(5)	3.5 x 1.25 x 0.5 x 0.36	STUDS	

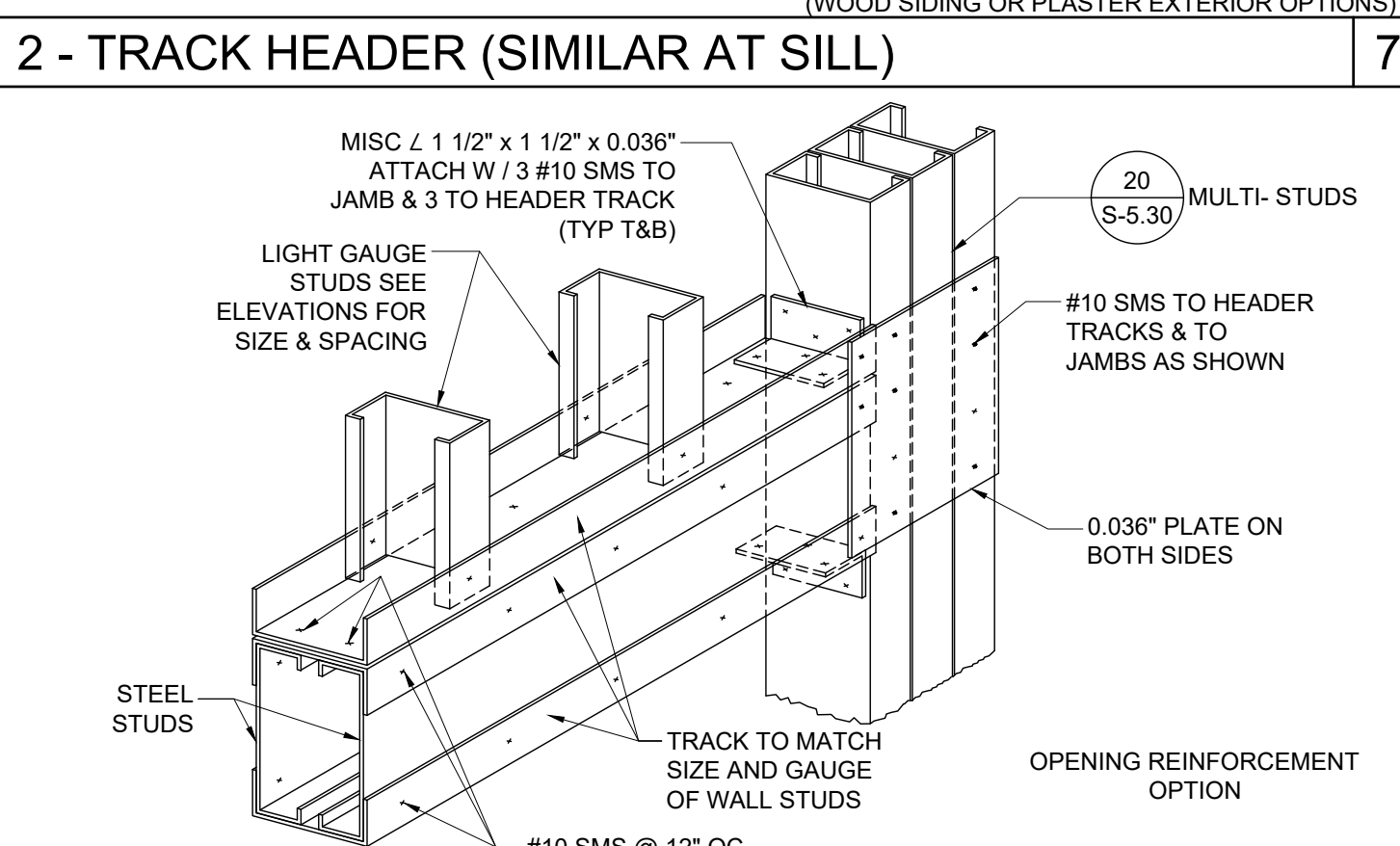
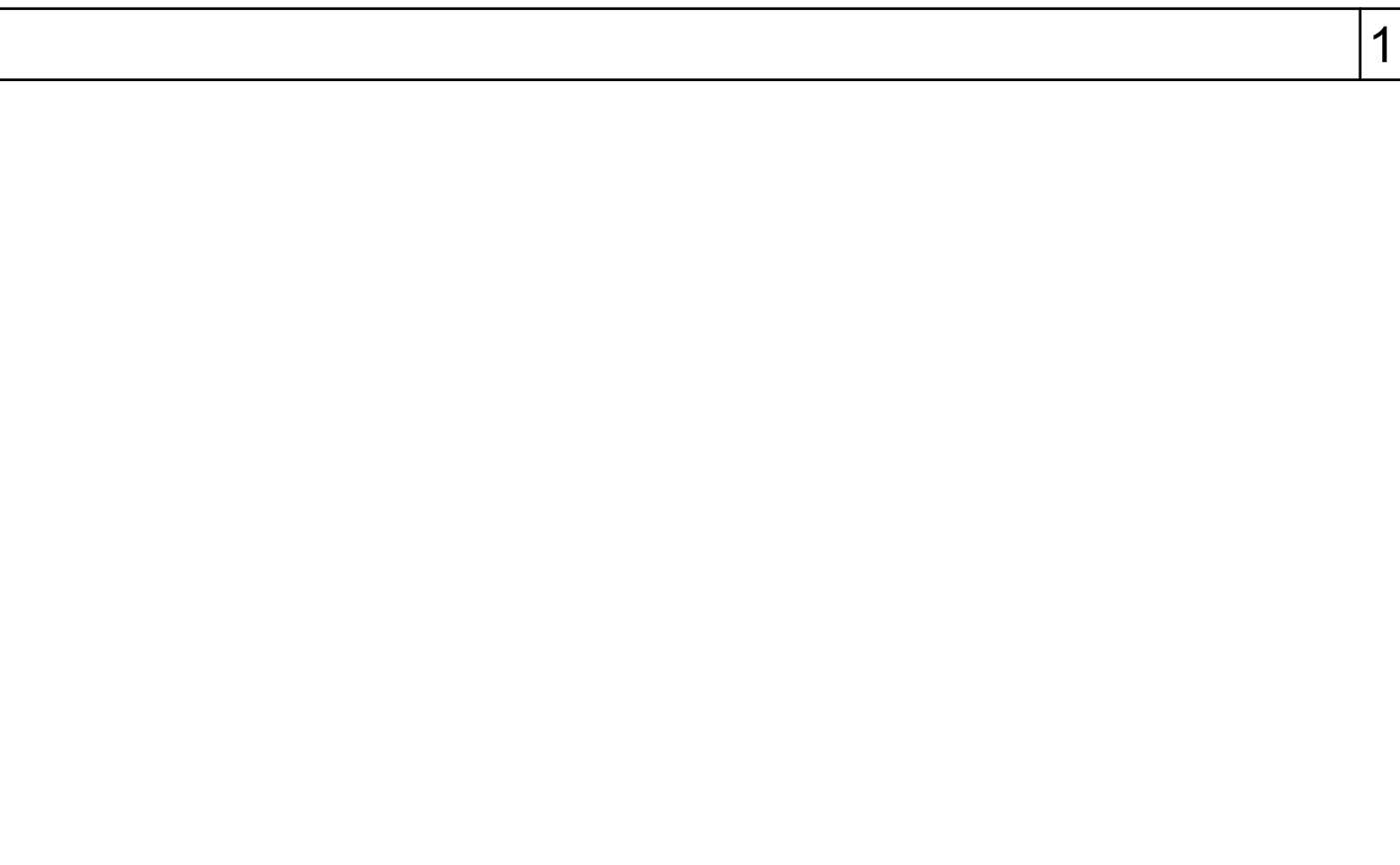
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NOTE:
1. ALL STUDS TO BE .036 THICKNESS UNO, ALL TRACKS TO BE .036 MIN.

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE**
(1) 72'x60' TESTING & OFFICE BLDG

SHEET TITLE:
**WALL FRAMING
DETAILS
STEEL STUDS**

ARCHITECT OF RECORD
SUBMISSION DATE



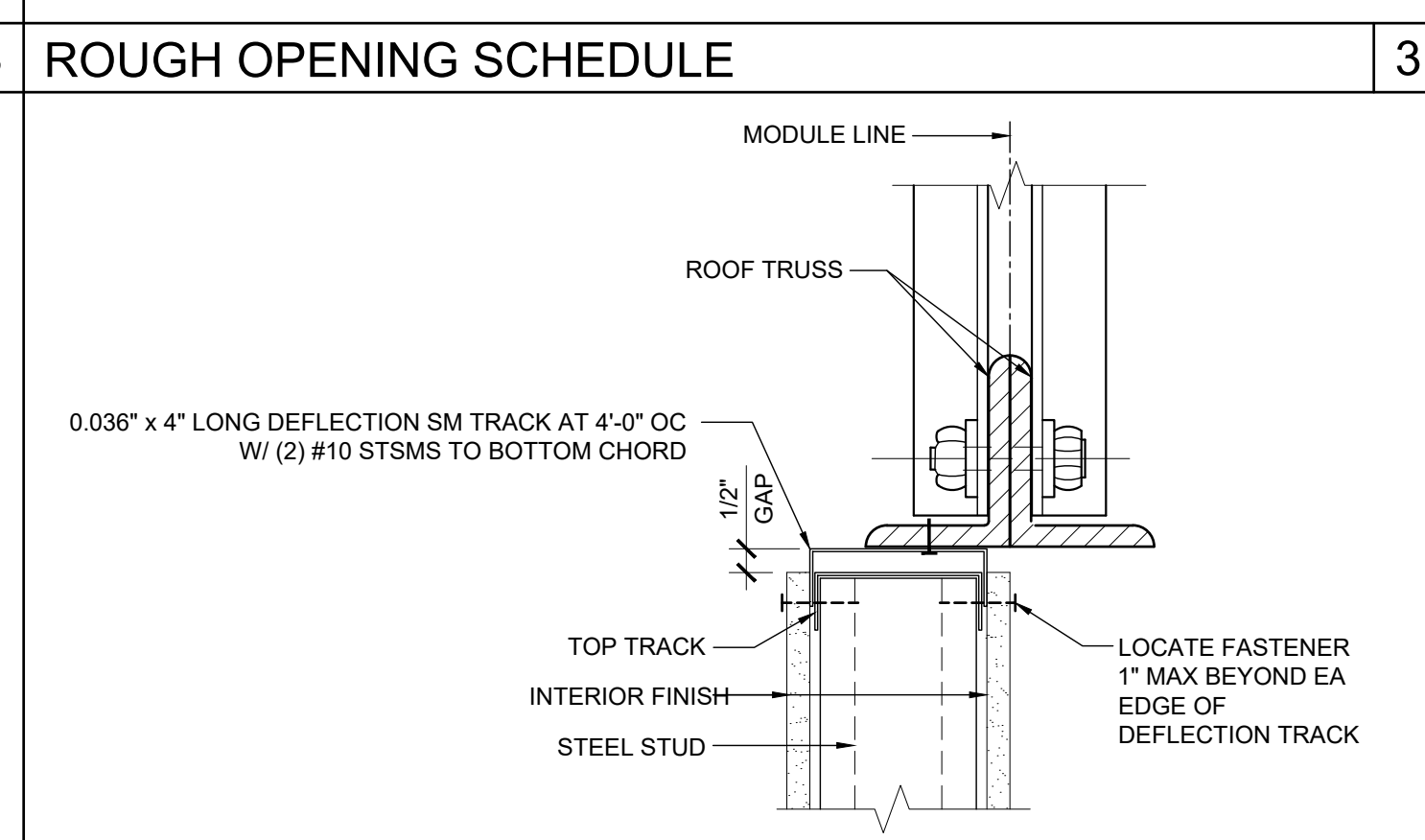
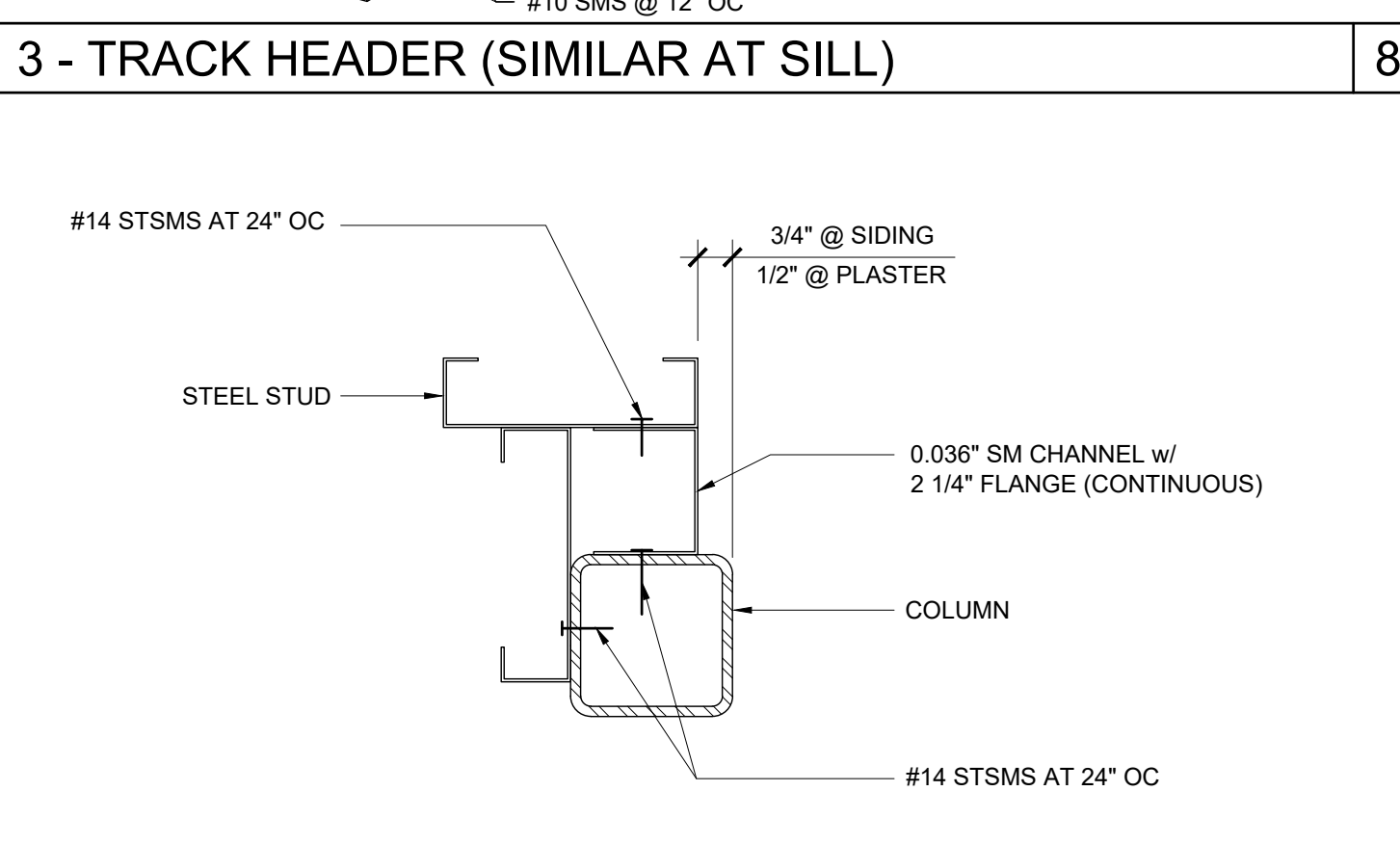
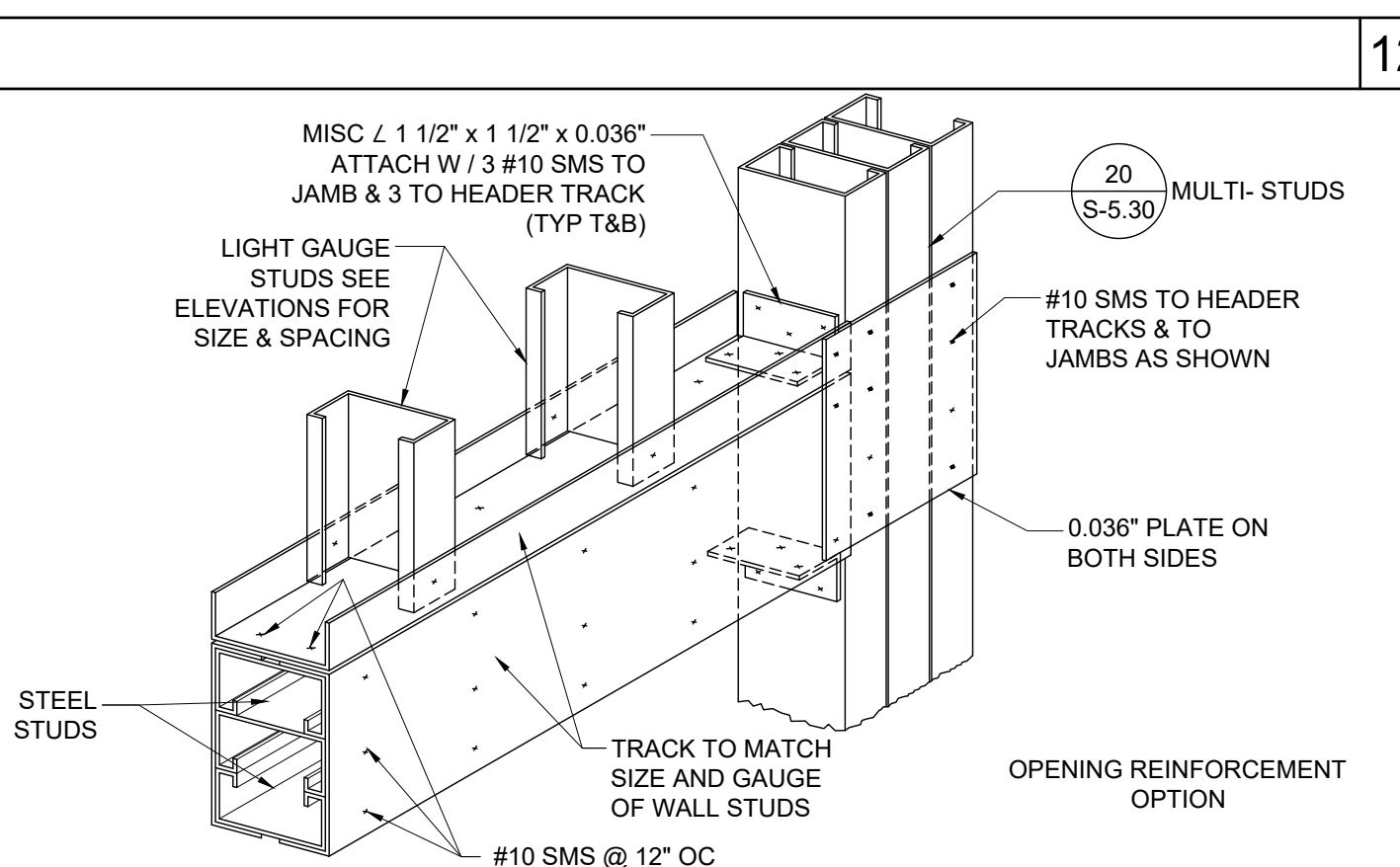
DOOR	WINDOW	STANDARD	WELDED FRAME
2070		26"	85"
3070		38"	85"
4070		50"	85"
6070		74"	85"
	4040	47 3/4"	47 5/8"
	6040	71 3/4"	47 5/8"
	8040	95 3/4"	47 5/8"
	6020	71 3/4"	23 5/8"
	8020	95 3/4"	23 5/8"

PROJECT SPECIFIC STATE AGENCY APPROVAL

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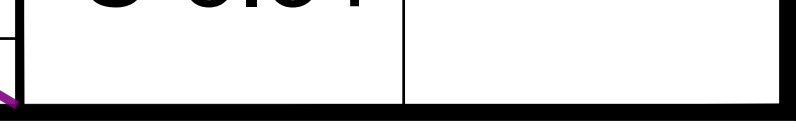
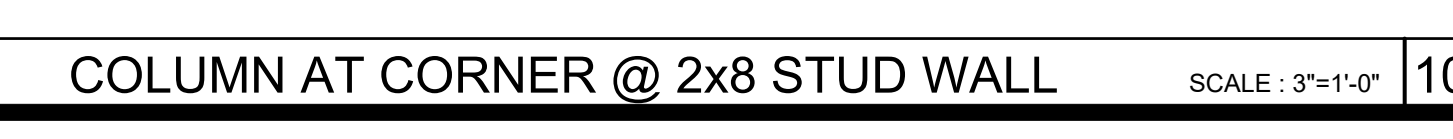
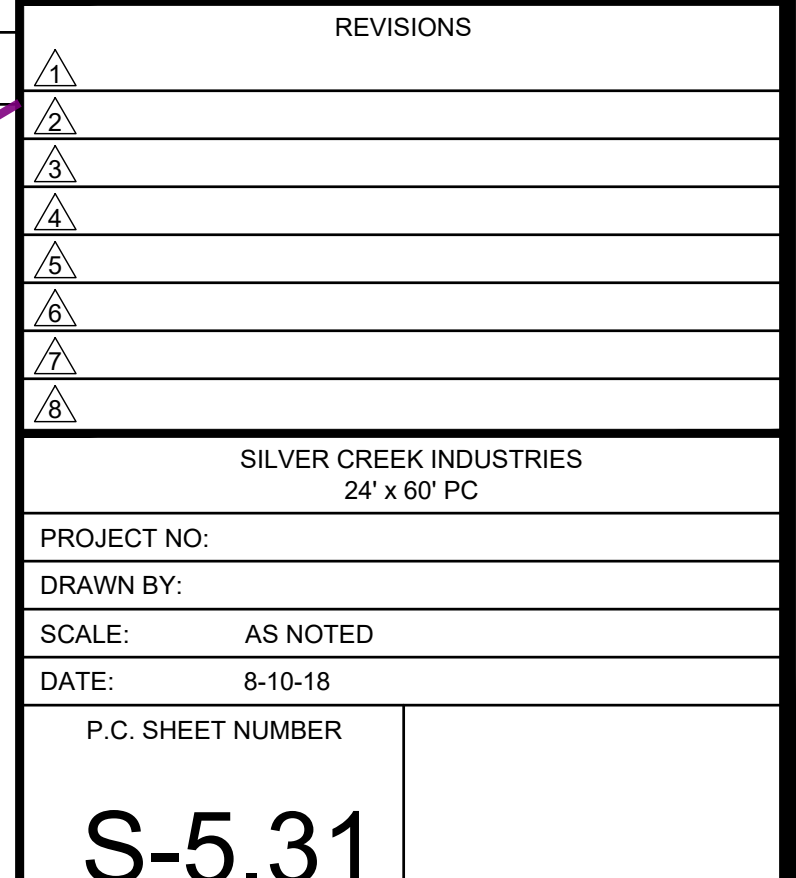
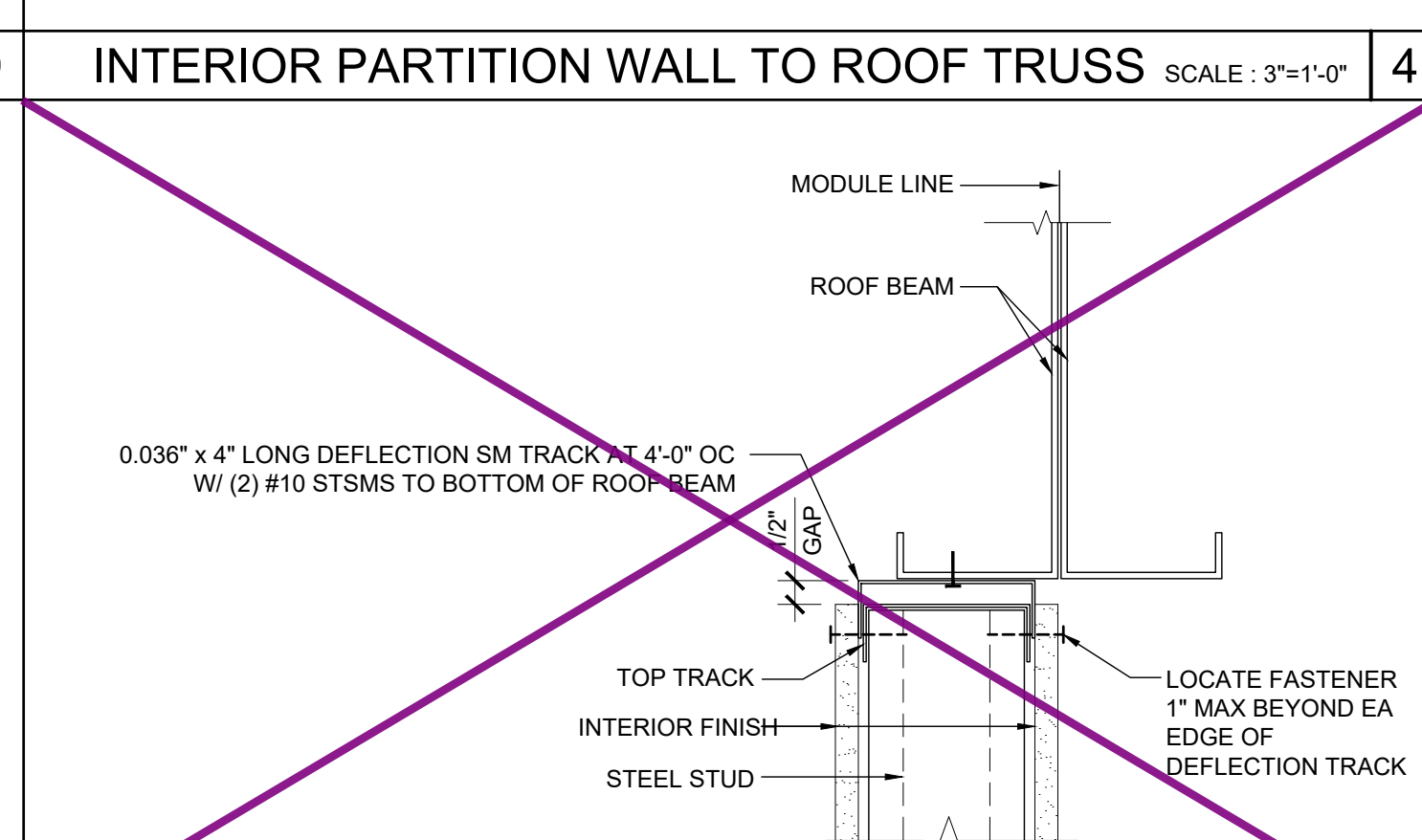
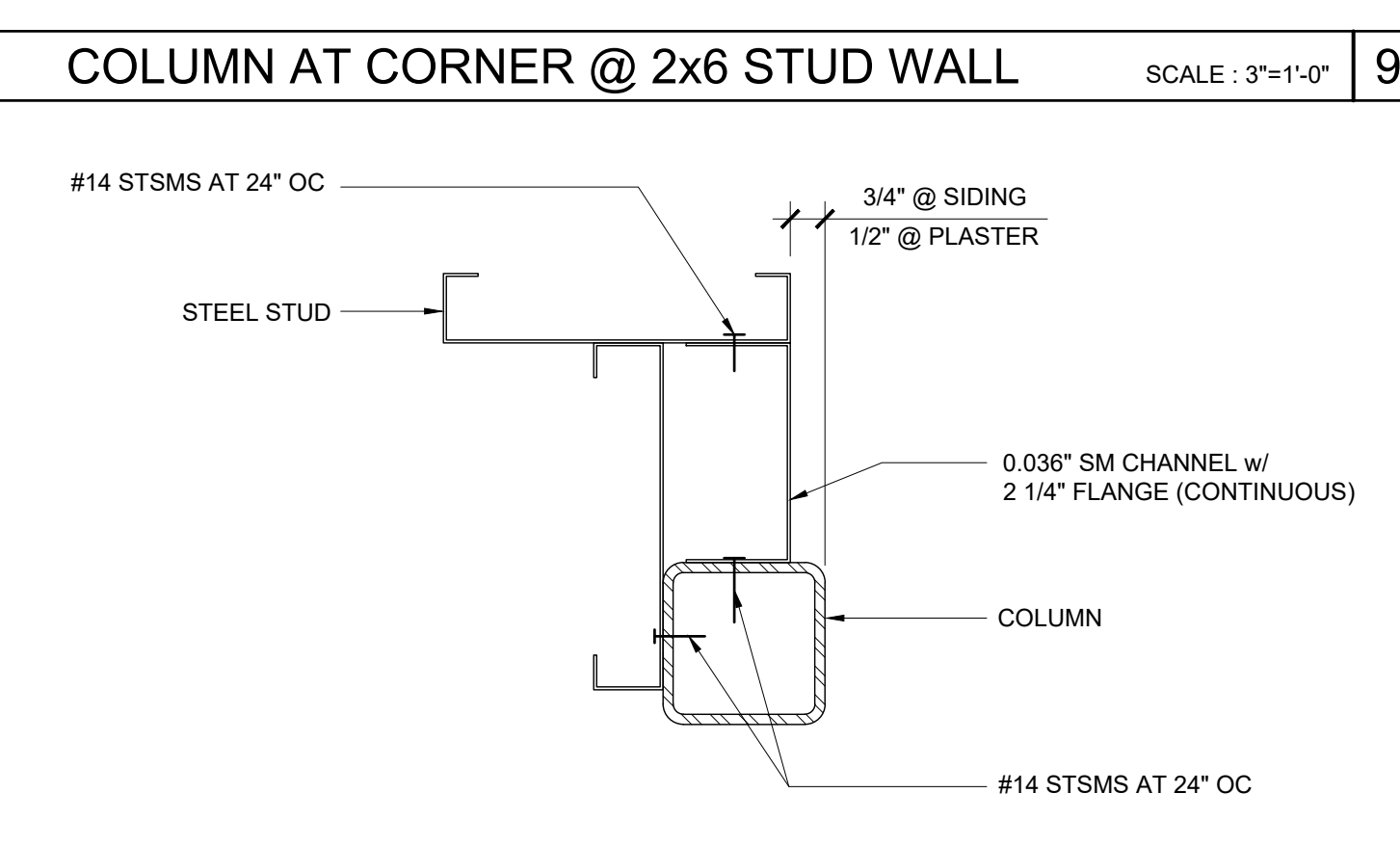
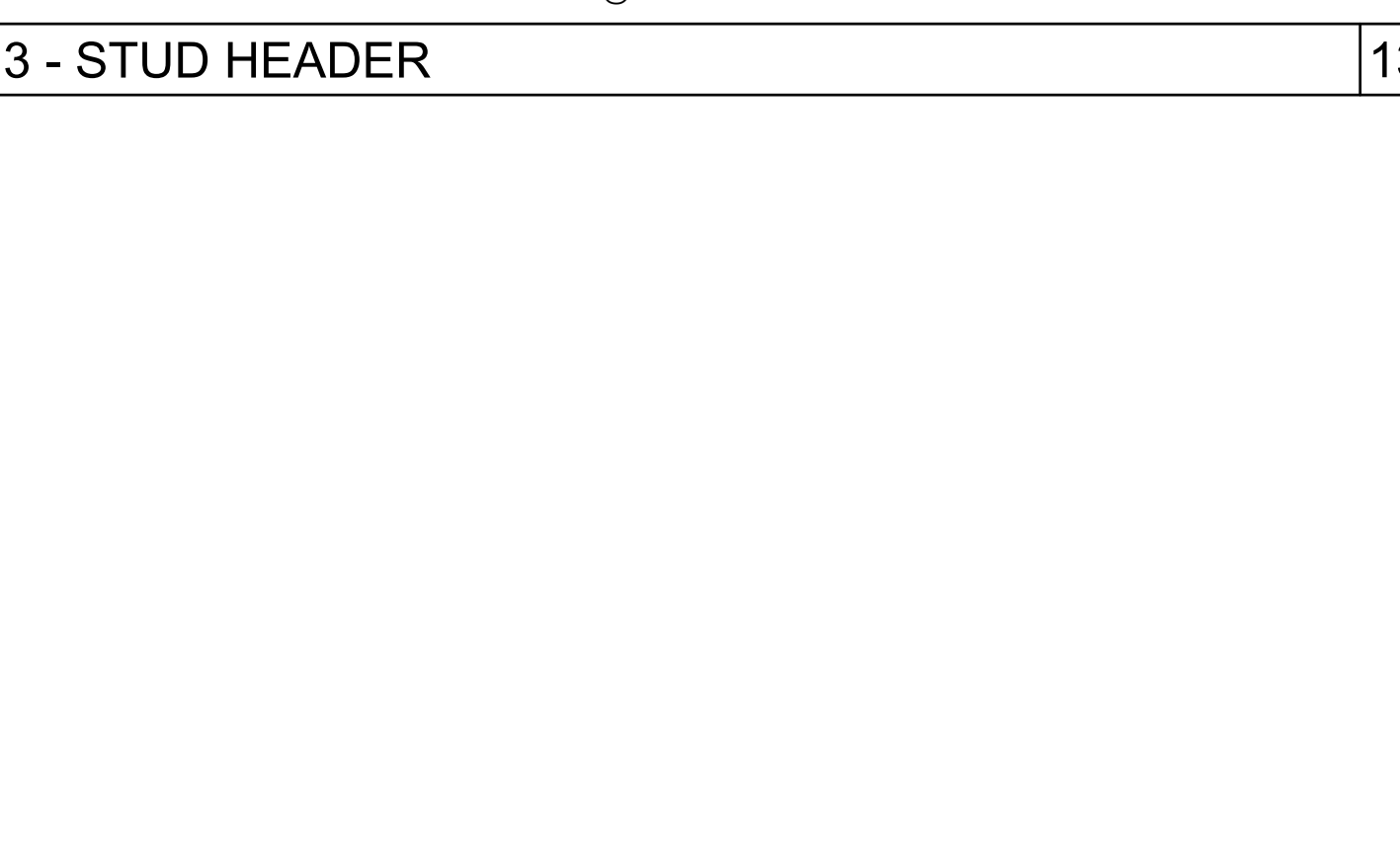


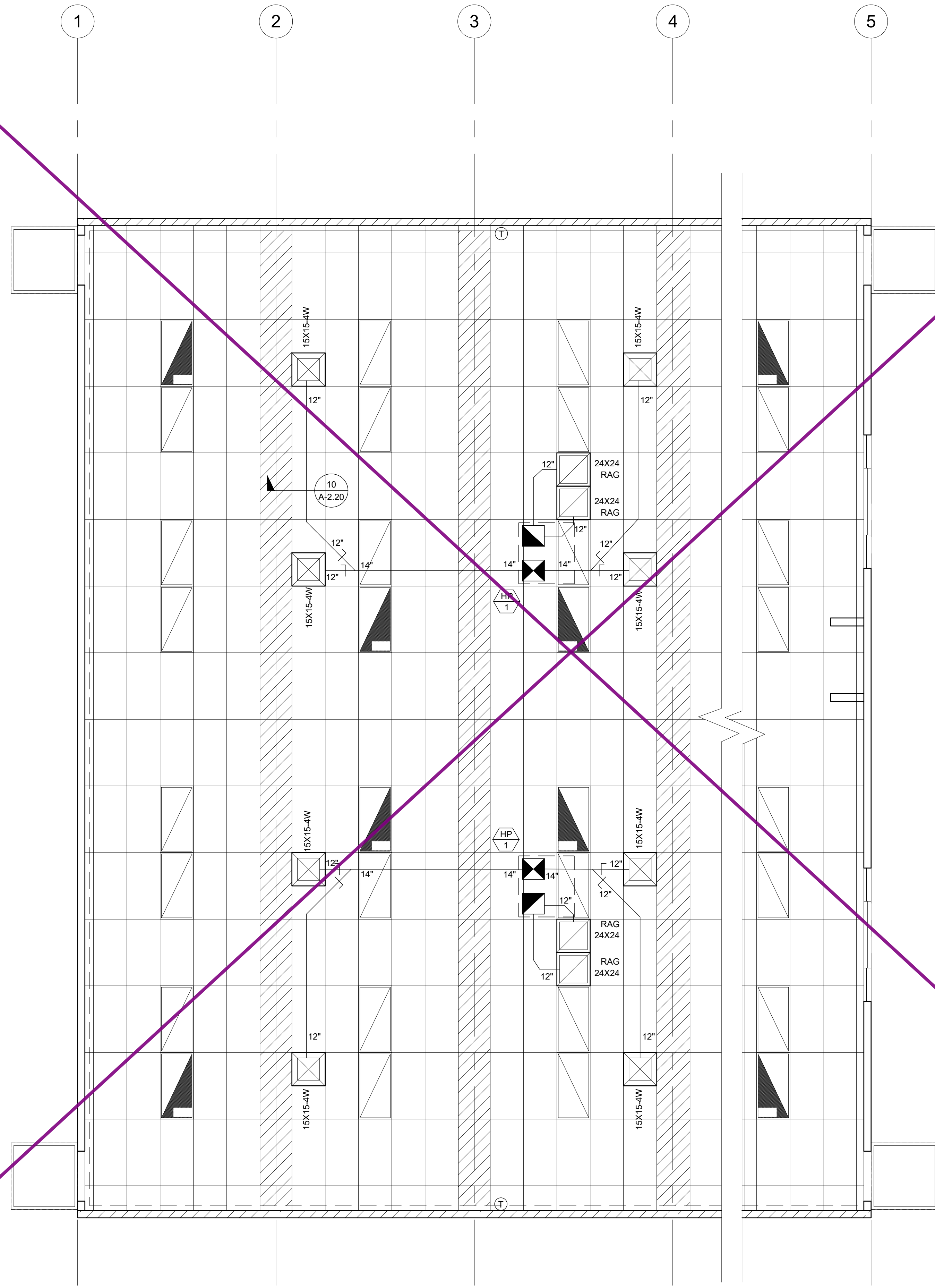
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SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
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P.C. SHEET NUMBER
S-5.31





14 SEER SINGLE PACKAGE ROOF TOP HEAT PUMP			
TAG	STANDARD	OPTION 1	OPTION 2
NOMINAL TONNAGE	4	5	3.5
MANUFACTURER	DAY & NIGHT	DAY & NIGHT	DAY & NIGHT
MODEL #	PHD48005K	PHD48005K	PHD42005K
COIL	1600	1750	1600
STATIC PRESSURE	0.2	0.2	0.15
DRIE	DIRECT	DIRECT	DIRECT
MCA	59	66	55
MCO	60	70	60
VOLTAGE	230/208-1	230/208-1	230/208-1
WIRE SIZE (PHW/GRND)	4 / 8	4 / 8	6 / 10
DESIGN RETURN AIR (DB/WB)	80 / 67	80 / 67	80 / 67
SENSIBLE COOLING @ 95° F	33,500	39,800	28,500
TOTAL COOLING @ 95° F	48,000	57,500	41,000
HEATING CAPACITY @ 47° F	46,000	57,500	40,000
HEATING CAPACITY @ 17° F	25,800	33,000	22,000
OPERATING WEIGHT	560 lb	590 lb	520 lb
SEER / EER	14.0 / 12.0	14.0 / 11.5	14.0 / 11.5
HSPF	8.0	8.0	8.0
COP @ 47° F	3.60	3.70	3.60
COP @ 17° F	2.40	2.45	2.40

NOTES:
 PROVIDE SET-BACK THERMOSTAT.
 MODEL IS SHOWN FOR UNIT WITH OPTIONAL 5.0 KW AUXILIARY HEAT STRIP. IF HEAT STRIP IS NOT USED THE MCA AND MCO MUST BE REVISED. HEAT STRIPS LARGER THAN THE SIZE SHOWN MAY NOT BE USED.
 MINIMUM OUTSIDE AIR SHALL BE NO LESS THAN 15 CFM PER EXPECTED OCCUPANT.
 THE UNIT SHALL UTILIZE DEMAND CONTROL VENTILATION. THE CO2 SENSOR SHALL BE LOCATED SO THAT IT IS NOT EXPECTED TO BE OBSTRUCTED BY FURNITURE OR EQUIPMENT AND SHALL BE INSTALLED NO LESS THAN 36" AFF AND NO MORE THAN 12" AFF.
 AIR HANDLERS WITH OTHER VOLTAGES SHALL BE ACCEPTABLE.
 AIR HANDLERS OTHER THAN THE MAKE AND MODEL LISTED ABOVE SHALL BE ACCEPTABLE WHEN THE NOMINAL TONNAGE DOES NOT EXCEED 5 TONS AND THE EER AND COP VALUES ARE NO LESS THAN THOSE SHOWN ABOVE.

NOTE:
 THIS MECHANICAL SHALL PROVIDE A MINIMUM OUTSIDE AIR RATE OF 0.38 CFM / SF OR 15 CFM PER OCCUPANT, WHICHEVER IS GREATER. THE DESIGN INCLUDED WITHIN THIS PC ASSUMES AN OCCUPANT LOAD OF 130 PEOPLE FOR THE LARGEST BUILDING SIZE. THE BUILDING MANUFACTURER SHALL VERIFY THE EXPECTED OCCUPANT LOAD WITH THE SCHOOL DISTRICT PRIOR TO SELECTION OF THE MECHANICAL EQUIPMENT FROM THE OPTIONS INCLUDED IN THE. THE SELECTED EQUIPMENT SHALL BE ADDITIONAL OUTSIDE AIR REQUIREMENTS (IF APPLICABLE) UNDER PEAK DESIGN CONDITIONS FOR THE CLIMATE ZONE IN WHICH THE BUILDING WILL BE LOCATED. AT THE TIME OF OCCUPANCY, THE BUILDING MANUFACTURER SHALL PROVIDE TO THE BUILDING OWNER A CALCULATION INDICATING THE VOLUMES OF OUTSIDE AIR AND OF RECIRCULATED AIR THAT THE VENTILATION SYSTEM HAS BEEN DESIGNED TO PROVIDE.

VENTILATION CALCULATIONS:
 MINIMUM REQUIRED VENTILATION (LARGEST BUILDING SIZE)
 BUILDING AREA = 4320 SF
 REQUIRED VENTILATION RATE = 0.38 CFM / SF
 REQUIRED OUTSIDE AIR VOLUME = 4320 x 0.38 = 1642 CFM
 NUMBER OF HVAC UNITS = 5
 REQUIRED OUTSIDE AIR VOLUME PER HVAC UNIT = 1642 / 5 = 328.3 CFM
 VENTILATION AS DESIGNED (LARGEST BUILDING SIZE)
 BUILDING AREA = 4320 SF
 OCCUPANCY FOR EGRESS PURPOSES = 420 / 20 = 216 OCCUPANTS
 ASSUMED # OF OCCUPANTS = 216 OCCUPANTS x 0.6 = 130
 REQUIRED VENTILATION RATE = 15 CFM / OCCUPANT
 REQUIRED OUTSIDE AIR VOLUME = 130 x 15 = 1950 CFM
 NUMBER OF HVAC UNITS = 5
 REQUIRED OUTSIDE AIR VOLUME PER HVAC UNIT = 1950 / 5 = 390 CFM

NOTE:
 BUILDING MANUFACTURER SHALL LEAVE FOR THE BUILDING OWNER, AT OCCUPANCY, OPERATING INFORMATION FOR ALL APPLICABLE MECHANICAL AND ELECTRICAL FEATURES, MATERIALS, COMPONENTS, AND DEVICES INSTALLED IN THE BUILDING RELATED TO EFFICIENT ENERGY USE. IN ADDITION, THE BUILDING MANUFACTURER SHALL LEAVE MAINTENANCE INFORMATION FOR ALL FEATURES, MATERIALS, COMPONENTS, AND MANUFACTURED DEVICES THAT REQUIRE ROUTINE MAINTENANCE FOR EFFICIENT OPERATION OF THE MECHANICAL AND LIGHTING SYSTEMS.

NOTE:
 THE OCCUPANCY SENSOR USED TO CONTROL THE HVAC EQUIPMENT SHALL BE SEPARATE FROM THE OCCUPANCY SENSOR USED TO CONTROL THE LIGHTING SYSTEM. THIS SENSOR MAY BE INTEGRATED INTO THE THERMOSTAT OR MAY BE A SEPARATE DEVICE.

NOTE:
 BUILDINGS LOCATED IN CLIMATE ZONE 16 SHALL UTILIZE A 5 KW ELECTRIC RESISTANCE HEATING STRIP FOR SUPPLEMENTAL HEATING

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SILVER CREEK

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE**
 (1) 72'x60' TESTING & OFFICE BLDG

SHEET TITLE:
**MECHANICAL PLAN
 ROOF MOUNT**
 36' TO 72' x 60'
 24' x 60'



ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

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 DIV. OF THE STATE ARCHITECT
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 24' x 60' PC

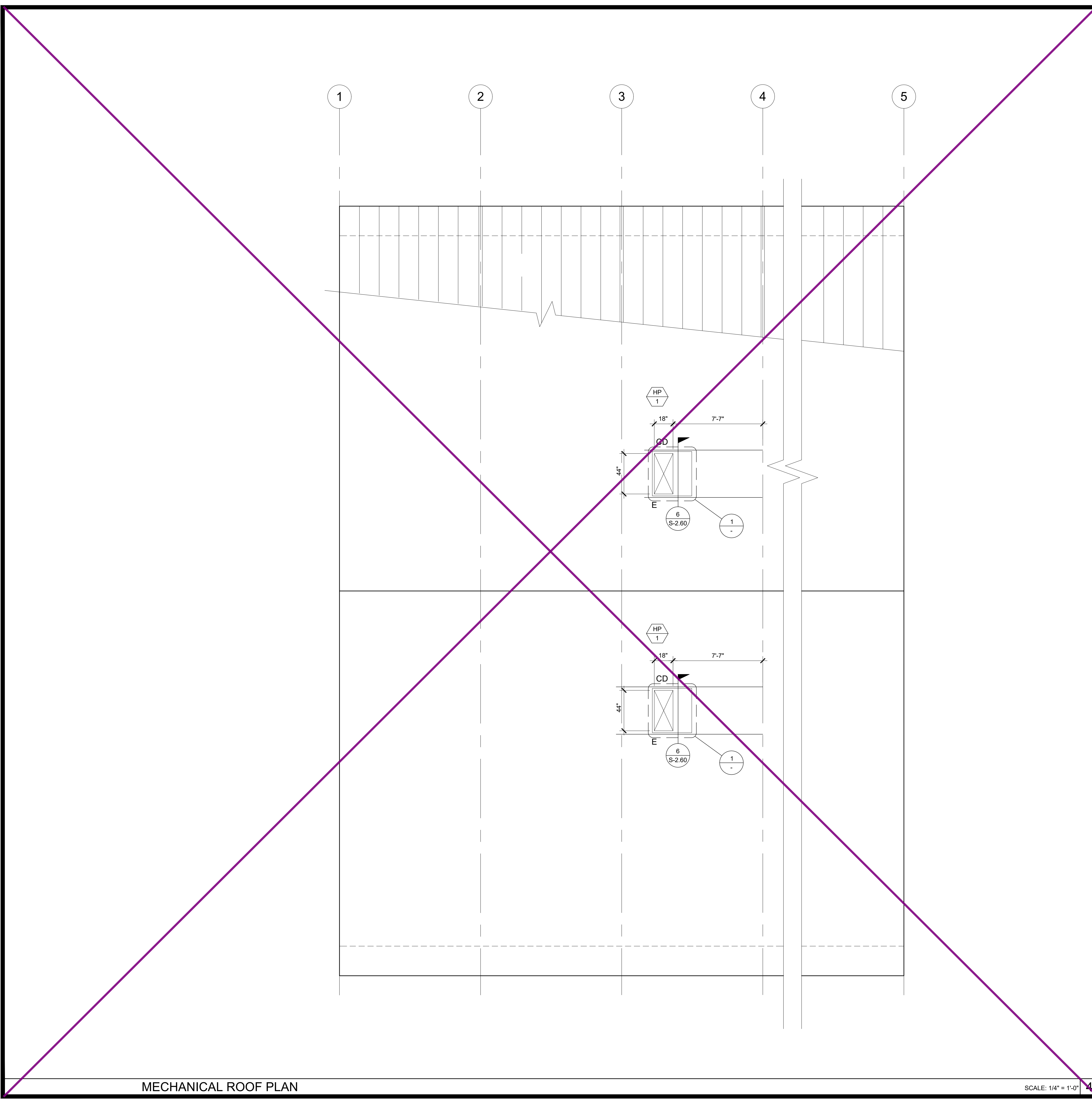
PROJECT NO:
 DRAWN BY:
 SCALE: AS NOTED
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P.C. SHEET NUMBER
M-4.01

MECHANICAL PLAN - ROOF MOUNT - OPTION A-3

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

REFER TO "N" SHEETS FOR PROJECT SPECIFIC



MECHANICAL ROOF PLAN

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

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PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
 IMPERIAL VALLEY COLLEGE
 (1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**MECHANICAL ROOF PLAN
 ROOF MOUNT
 36' TO 72' x 60'**



ARCHITECT OF RECORD
 SUBMISSION DATE

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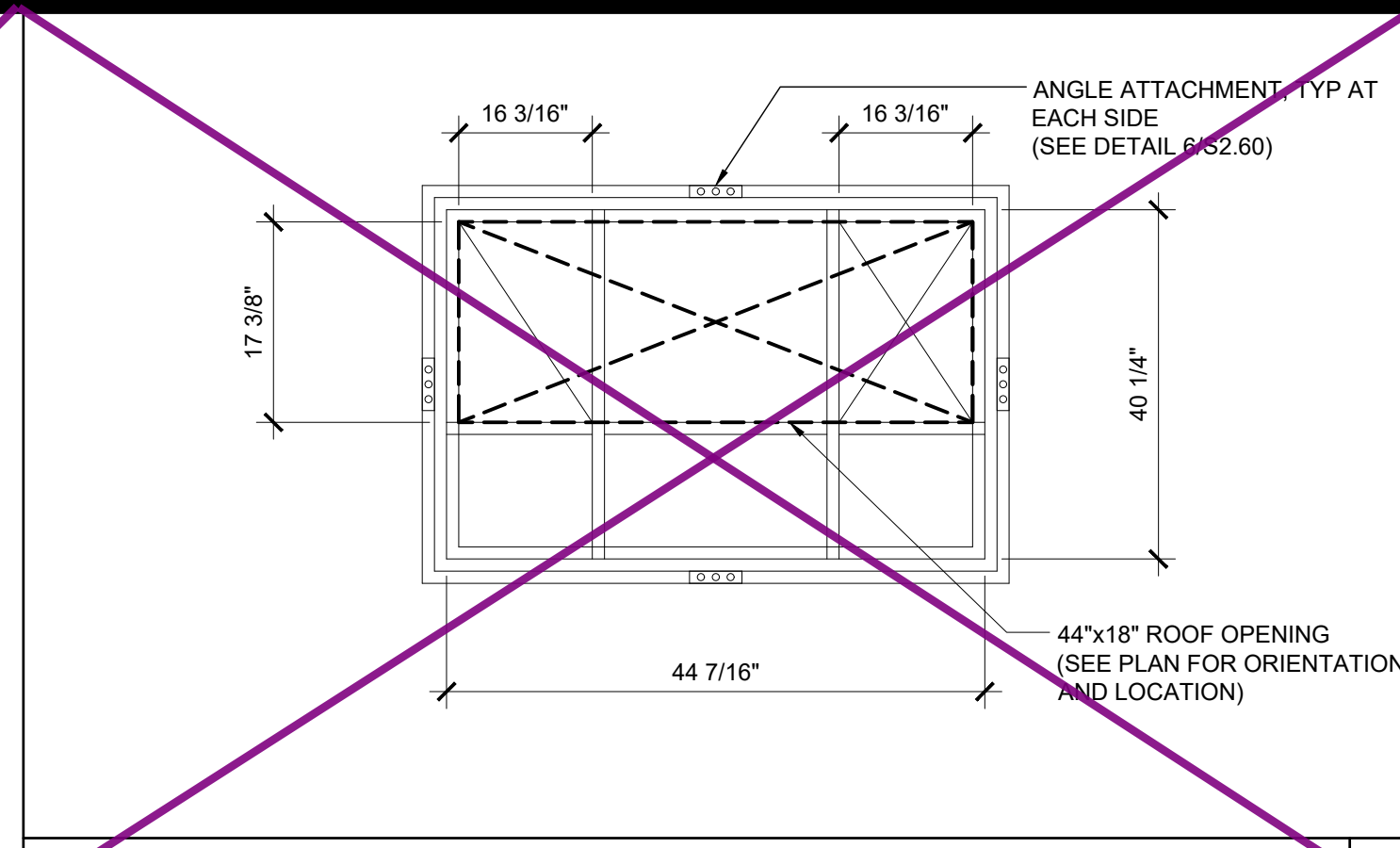
ORIGINAL PC STATE AGENCY APPROVAL
 PRE-CHECK (PC) DOCUMENT
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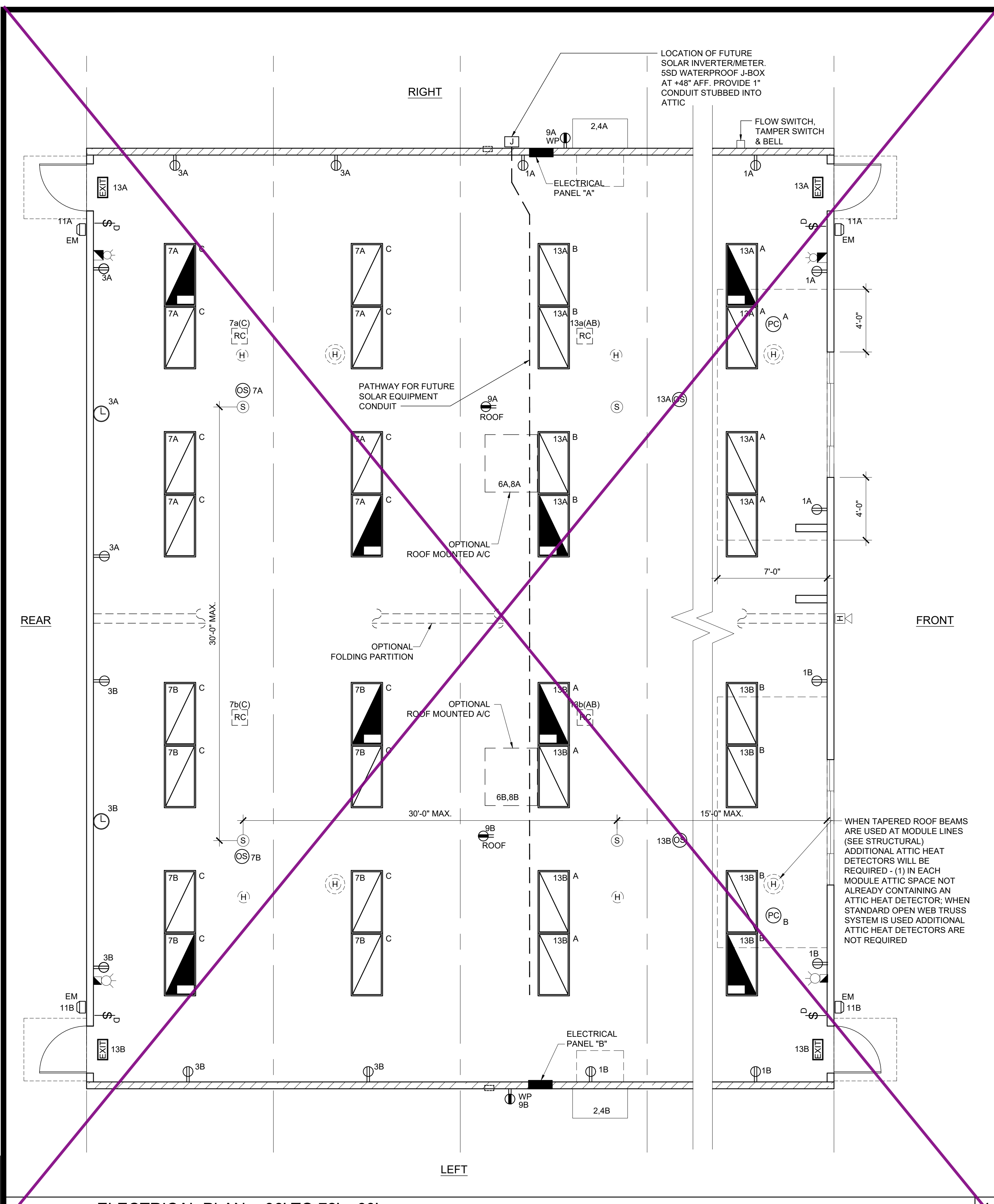
P.C. SHEET NUMBER
M-4.02



HEAT PUMP CURB PLAN VIEW

SCALE: NTS 1

REFER TO "N" SHEETS FOR PROJECT SPECIFIC

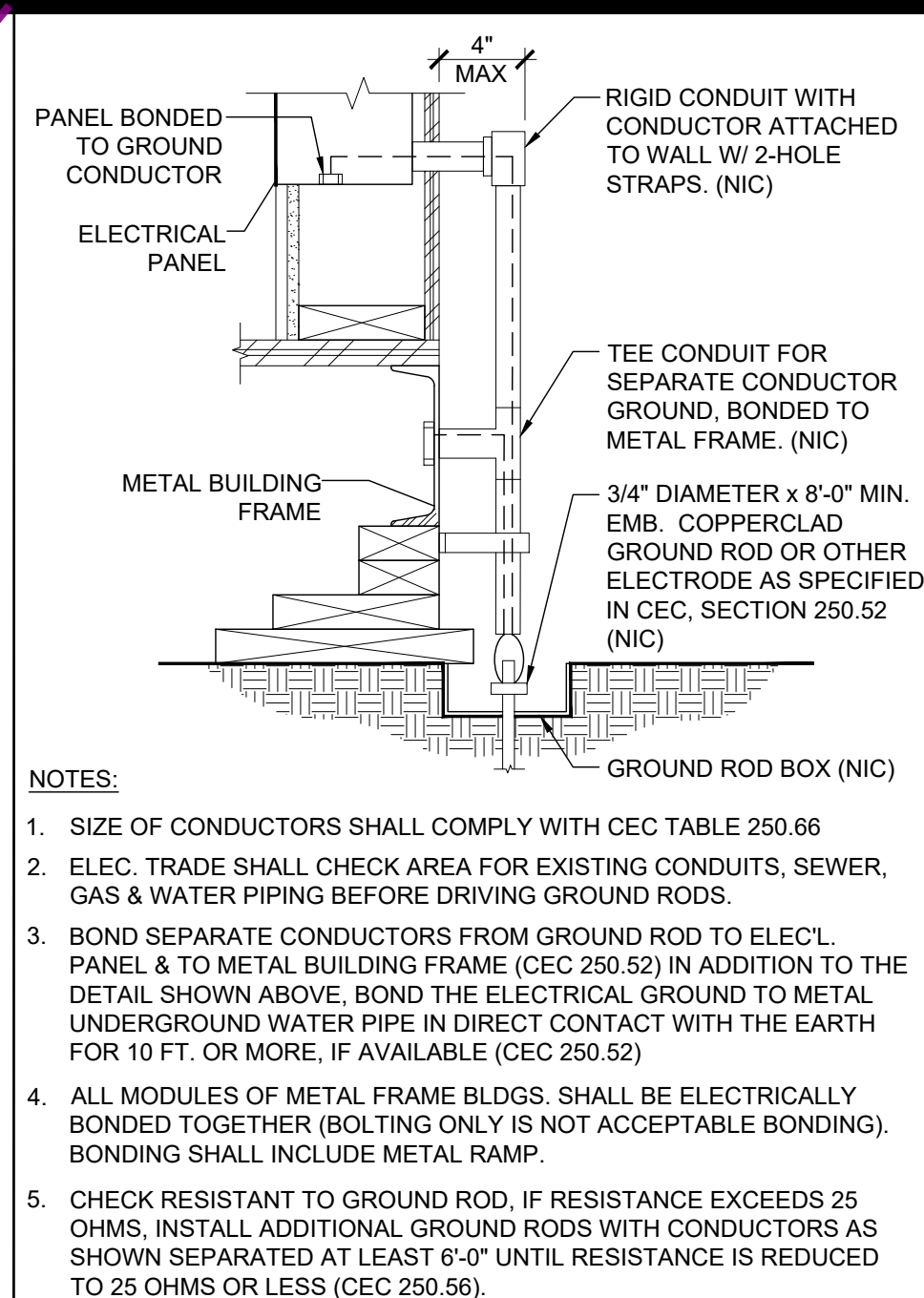


ELECTRICAL PLAN - 36' TO 72' x 60'

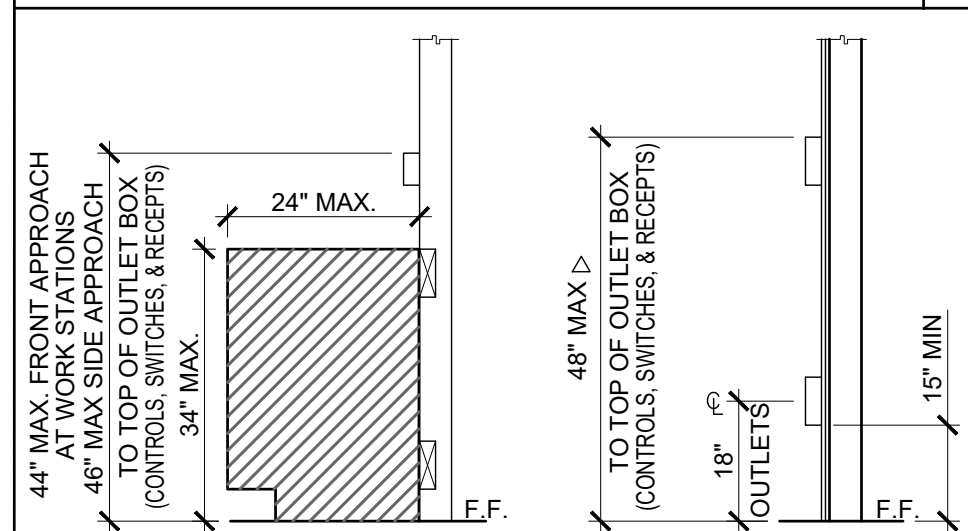
SCALE: 1/4" = 1'-0"

ELECTRICAL PANEL WALL MOUNTED HVAC											
PANEL: "A" AND "B"				FEED: REAR				FEED: REAR			
LOCATION: INTERIOR ACCESS				LOCATION: INTERIOR ACCESS				LOCATION: INTERIOR ACCESS			
LOAD	QTY	WATTS	BREAKER	LOAD	QTY	WATTS	BREAKER	LOAD	QTY	WATTS	BREAKER
RECEPTACLES/CLOCK	5	900	20 1 1	RECEPTACLES/CLOCK	5	900	20 1 1	RECEPTACLES/CLOCK	5	900	20 1 1
SPACE	5	60	2 4025	SPACE	5	60	2 4025	SPACE	5	60	2 4025
INTERIOR LIGHTS	8	960	20 1 7	INTERIOR LIGHTS	8	960	20 1 7	INTERIOR LIGHTS	8	960	20 1 7
EXTERIOR RECEPTACLE	1	180	20 9	EXTERIOR RECEPTACLE	1	180	20 9	EXTERIOR RECEPTACLE	1	180	20 9
EXTERIOR LIGHTS	2	360	20 1 11	EXTERIOR LIGHTS	2	360	20 1 11	EXTERIOR LIGHTS	2	360	20 1 11
INTERIOR LIGHTS	8	960	20 1 13	INTERIOR LIGHTS	8	960	20 1 13	INTERIOR LIGHTS	8	960	20 1 13
DED - SOLAR READY				DED - SOLAR READY				DED - SOLAR READY			
DED - SOLAR READY				DED - SOLAR READY				DED - SOLAR READY			
A = 5895		1860	1940	A = 5895		1860	1940	A = 5895		1860	1940
TOTAL = 11890		150	AMPS	TOTAL = 11890		150	AMPS	TOTAL = 11890		150	AMPS

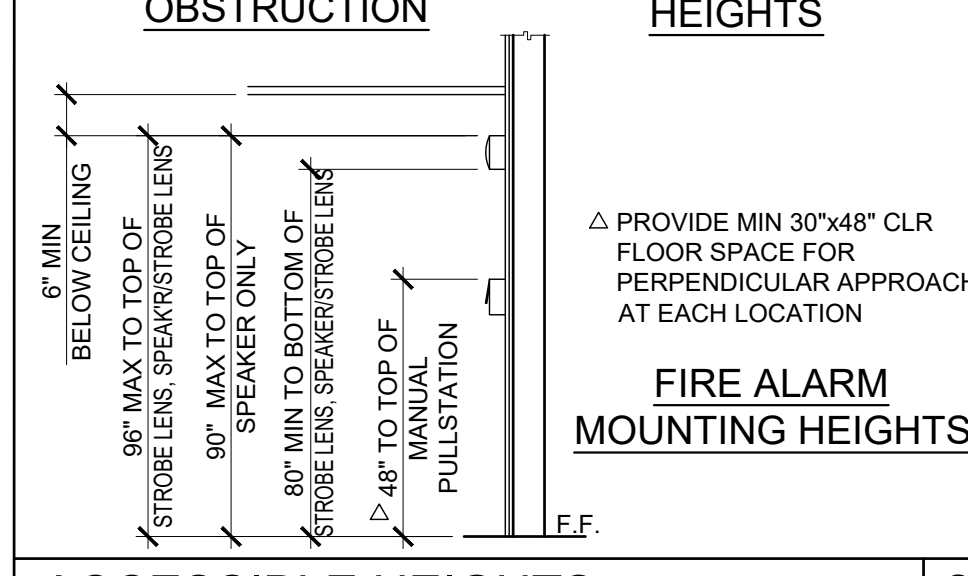
ELECTRICAL PANEL ROOF MOUNTED HVAC											
PANEL: "A" AND "B"				FEED: REAR				FEED: REAR			
LOCATION: INTERIOR ACCESS				LOCATION: INTERIOR ACCESS				LOCATION: INTERIOR ACCESS			
LOAD	QTY	WATTS	BREAKER	LOAD	QTY	WATTS	BREAKER	LOAD	QTY	WATTS	BREAKER
RECEPTACLES/CLOCK	5	900	20 1 1	RECEPTACLES/CLOCK	5	900	20 1 1	RECEPTACLES/CLOCK	5	900	20 1 1
SPACE	5	60	2 4025	SPACE	5	60	2 4025	SPACE	5	60	2 4025
INTERIOR LIGHTS	8	960	20 1 7	INTERIOR LIGHTS	8	960	20 1 7	INTERIOR LIGHTS	8	960	20 1 7
EXTERIOR RECEPTACLE	1	180	20 9	EXTERIOR RECEPTACLE	1	180	20 9	EXTERIOR RECEPTACLE	1	180	20 9
EXTERIOR LIGHTS	2	360	20 1 11	EXTERIOR LIGHTS	2	360	20 1 11	EXTERIOR LIGHTS	2	360	20 1 11
INTERIOR LIGHTS	8	960	20 1 13	INTERIOR LIGHTS	8	960	20 1 13	INTERIOR LIGHTS	8	960	20 1 13
DED - SOLAR READY				DED - SOLAR READY				DED - SOLAR READY			
DED - SOLAR READY				DED - SOLAR READY				DED - SOLAR READY			
A = 5895		1860	1940	A = 5895		1860	1940	A = 5895		1860	1940
TOTAL = 11890		149	AMPS	TOTAL = 11890		149	AMPS	TOTAL = 11890		149	AMPS



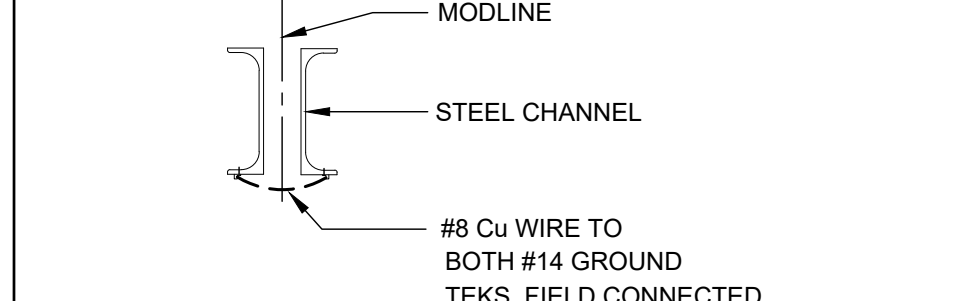
TYPICAL GROUNDING DETAIL 1



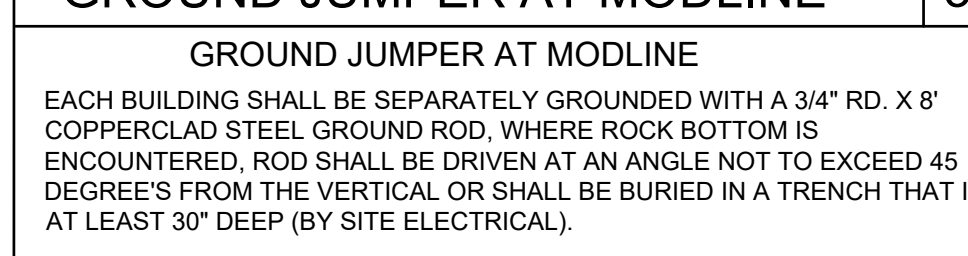
ELECTRICAL MOUNTING HEIGHTS



FIRE ALARM MOUNTING HEIGHTS



ACCESSIBLE HEIGHTS 2



GROUND JUMPER AT MODLINE 3

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS. INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL).

APPROVAL OF THIS PLAN DOES NOT CONSTITUTE APPROVAL OF THIS FIRE ALARM FOR ALL SITES. THE FIRE ALARM SYSTEM AND/OR COMPONENTS MAY BE REQUIRED TO BE CHANGED DUE TO SITE LOCATION EXISTING CONDITIONS OR INCOMPATIBLE COMPONENTS.

GROUND MG TEST SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR. ALL GROUNDING SHALL BE IN ACCORDANCE WITH CEC ARTICLE 250.

SCHOOL EQUIPMENT ANCHORAGE

- ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2016 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10 CHAPTER 13, 26 AND 30.
- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
- MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT.

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5.6 AND 2016 CBC SECTIONS 1616A.1.24, 1616A.1.25 & 1616A.1.26.

THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF HANGING AN BRACING OF THE PIPE, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS.

THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

FIRE ALARM NOTES

- SMOKE AND HEAT DETECTOR CONDUIT AND DEVICES PROVIDED AND INTERCONNECTED BY OTHERS TO FIRE ALARM SYSTEM
- PROVIDE DEDICATED FIRE ALARM 120 VOLT CIRCUIT CONNECTED TO LOCKED-ON BREAKER. THE CIRCUIT BREAKER SHALL BE LOCKED-ON WITH APPROVED LOCKING DEVICE, MARKED RED AND IDENTIFIED AS "FIRE ALARM CONTROL CIRCUIT". NFPA 72 4.4.1.4.2.2

CONDUIT FILL AND CONDUCTOR CAPACITY TABLE

(ALL CONDUCTORS SHALL BE TYPE THHN/THWN 90°C, COPPER)

WIRE SIZE	CAPACITY	WIRE TYPE	NO. OF CONDUCTOR PERMITTED			
		1/2" C	3/4" C	1" C	1 1/4" C	
#12	20A	THHN	9	16	25	45
#10	30A	THHN	5	10	16	28
#8	45A	THHN	2	5	8	14
#6	65A	THHN	1	3	5	10
#4	85A	THHN	1	2	4	7

JUNCTION BOX SIZE TABLE

BOX SIZE	CU. IN.	MAX NO. OF CONDUCTORS			
		#12	#10	#8	#6
4SS 1 1/4" x 4" SQ	18.0	8	7	6	0
4S 1 1/2" x 4" SQ	21.0	9	8	7	0
4SD 2 1/8" x 4" SQ	30.3	13	12	10	6
4SX 2 7/8" x 4" SQ	43.5	23	21	17	10
5SD 2 1/8" x 4-11/16" SQ	42.0	18	16	14	6
5SX 3 7/8" x 4-11/16" SQ	86.0	38	34	28	17
664 4" x 6" SQ	144.0	64	57	48	28

* DEDUCT ONE CONDUCTOR FOR (1) OR MORE GROUNDING CONDUCTORS ENTERING THE BOX

LEGEND

- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 60 WATTS MAX.
- WALL MOUNTED HVAC UNIT. SEE MECHANICAL DWGS
- ROOF MOUNTED HVAC UNIT-SEE MECHANICAL DWGS
- ELECTRICAL PANEL AT +60" AFF TO TOP OF ELECTRICAL PANEL WITH 1 1/2" DIA POWER STUB OUT (U.O.)
- CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER #LMPC-100 OR EQUAL.
- CEILING MOUNTED PHOTOCELL. WATTSTOPPER #MLMS-500
- ULTRASONIC CEILING OCCUPANCY SENSOR. WATTSTOPPER W-500A OR EQUAL. SENSOR TO BE CONNECTED TO KEYPAD LIGHT SWITCHES FOR MANUAL OVERRIDE AND USE FOR RESTROOM W/PARTITIONS.
- SINGLE SWITCH WALL OCCUPANCY SENSOR. WATTSTOPPER PW-100 OR EQUAL. SENSOR TO BE MOUNTED AT +44" AFF. AND USE FOR OPEN ROOM (OR RESTROOM) LESS THAN 100 SQ FT W/ (1) CIRCUIT.
- LIGHTING MANAGEMENT SYSTEM ROOM CONTROLLER. INSTALLED ABOVE CEILING. LOCATION AND # OF LOADS/ZONES TO BE VERIFIED. WATTSTOPPER #LMRC-2XX
- SINGLE BUTTON DIMMER SWITCH. AT +48" AFF. TO TOP OF OUTLET BOX. WATTSTOPPER #LMDM-101
- LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- 3-WAY LIGHT SWITCH. MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- KEYED SWITCH MOUNT AT +48" AFF TO TOP OF OUTLET BOX
- DUPLEX (WALL MOUNTED) RECEPTACLE 15A - 125V - 3 WIRE. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF DEVICE
- EXTERIOR WEATHER PROOF GFI RECEPTACLE AT +24" AFF FOR A/C SERVICES (MAX 25'-0" FROM UNITS)
- GROUND FAULT CIRCUIT INTERRUPT RECEPTACLE WITHIN 6'-0" OF ALL SINKS
- ROOF MOUNTED WEATHER PROOF GFI RECEPTACLE
- EXTERIOR LED LIGHT FIXTURE W/ 90 MIN. EMERGENCY BATTERY BACKUP WHEN 'EM' IS DESIGNATED NEXT TO FIXTURE W/ PHOTOCELL W/ 30w MAX. MOUNT AT +93" AFF
- CLOCK OUTLET AT +90" AFF TO CENTERLINE OF DEVICE
- EXIT SIGN WITH 90 MIN. BATTERY BACK UP. EXIT SIGN REQUIRED FOR CLASSROOMS WITH TWO OR MORE EXTERIOR DOORS. CLASSROOMS WITH ONE EXTERIOR DOOR - OPTIONAL
- 4SD J-BOX FOR FIRE ALARM PULL STATION (DEVICE BY OTHERS). MOUNT AT +48" AFF TO TOP OF OUTLET BOX WITH 3/4" CONDUIT TO FIRE ALARM STROBE WITH PULL STRING
- 4SD J-BOX FOR FIRE ALARM STROBE OR VOICE EVAC SPEAKER (DEVICE BY OTHERS). BOTTOM OF LENS SHALL BE BETWEEN 80" AND 96" AFF AND WITH 3/4" CONDUIT TO EXTERIOR FIRE ALARM HORN WITH PULL STRING
- 4SD J-BOX FOR EXTERIOR FIRE ALARM SPEAKER (DEVICE BY OTHERS). MOUNT AT +90" AFF TO TOP OF DEVICE WITH 3/4" CONDUIT STUBBED TO ATTIC WITH PULL STRING
- RECESSED 4SD J-BOX W/ COVER PLATE FOR FUTURE FIRE ALARM SYSTEM BY OTHERS. MOUNT AT +18" AFF U.O.N. TO CENTERLINE OF BOX AND PROVIDE 1" CO STUB TO ATTIC SPACE WITH PULL STRING
- 4SD J-BOX IN ATTIC FOR CEILING MOUNTED SMOKE DETECTOR (DEVICE BY OTHERS). MAXIMUM 21'-0" FROM ANY POINT IN ROOM AND 30'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO SMOKE DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 4SD J-BOX IN ATTIC FOR ATTIC MOUNTED HEAT DETECTOR (DEVICE BY OTHERS). MAXIMUM 35'-0" FROM ANY POINT IN ATTIC AND 50'-0" BETWEEN THEM. PROVIDE A 6'-0" CONDUIT FROM EACH J-BOX TO HEAT DETECTOR LOCATION. CONDUIT & CONNECTION TO CEILING DEVICE & DEVICE BY OTHERS (ALARM NOTE #1)
- 4SD J-BOX FOR WATER HEATER LOCATE ABOVE CEILING W/ COVER PLATE. HARD WIRE TO UNIT
- 100 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 300 CFM CEILING MOUNTED EXHAUST FAN. INTERLOCKED WITH LIGHT SWITCH
- 2x4 CEILING RECESSED LIGHT, LED LIGHT FIXTURE WITH DIMMING WATTAGE: 60 WATTS MAX. EACH LIGHT FIXTURE WHICH IS INDICATED AS BEING AN EMERGENCY LIGHT SHALL HAVE A BALLAST BATTERY PACK INSTALLED ON THE FIXTURE. THE BATTERY PACK SHALL PROVIDE POWER TO A SINGLE LAMP WITHIN THE FIXTURE FOR NO LESS THAN 90 MINUTES. ANY LIGHT FIXTURE EQUIPPED WITH A BATTERY PACK SHALL BE WIRED IN SUCH A MANNER THAT THE BATTERY WILL BE ACTIVATED IMMEDIATELY UPON LOSS OF POWER TO THE FIXTURE. ADDITIONALLY THE BATTERY PACK SHALL BE OPERATED USING BATTERY POWER LIGHTING CONTROL SWITCHES AND SENSORS SHALL NOT BE ABLE TO SHUT THE FIXTURE OFF.
- WALL MOUNTED LIGHT FIXTURE, 30 WATTS
- 4SD J-BOX FOR FUTURE DATA W/ SINGLE GANG RING W/ 1" CO STUB INTO ATTIC AND PULL STRING
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER FLOW SWITCH.
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER TAMPER SWITCH.
- DEDICATED CIRCUIT w/ LOCK ON DEVICE FOR FIRE SPRINKLER BELL.

NOTE: PROVIDE A MINIMUM OF 72 SF SOLAR READY AREA PER MODULE. AREA TO BE A MINIMUM OF 5' IN ANY DIRECTION WITH A MINIMUM SPACE OF 80 SF PER BUILDING.

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SILVER CREEK INDUSTRIES, INC.

Building for the Next Generation

2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:
**IMPERIAL VALLEY DISTRICT
IMPERIAL VALLEY COLLEGE
(1) 72'x60' TESTING & OFFICE BLDG**

SHEET TITLE:
**ELECTRICAL PLAN
AND SCHEDULE
36' TO 72' x 60'**

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-119394 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/17/2020

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116719 INCR: 0
AC_RM_FLS_DS_SSR KER
DATE: 10/05/2018

REVISIONS

NO.	DESCRIPTION
1	
2	
3	
4	
5	
6	
7	
8	

SILVER CREEK INDUSTRIES
24' x 60' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 8-10-18

P.C. SHEET NUMBER
E-1.04

REFER TO "N" SHEETS FOR PROJECT SPECIFIC