

LIBERTY HIGH SCHOOL STADIUM IMPROVEMENTS

850 2ND STREET, BRENTWOOD, CA 94513

LIBERTY UNION HIGH SCHOOL DISTRICT



DSA FILE NO: 7-H4

DSA APPLICATION NO: 01-117742

PTN: 61721-0065

BID SET VOLUME 2 OF 2

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BLEACHER

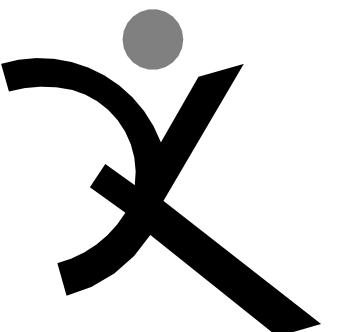
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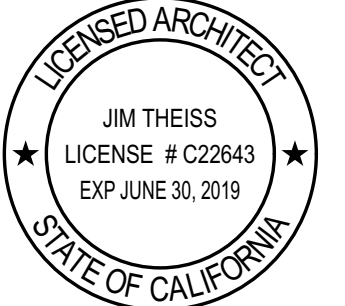
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SIGNED: December 21, 2018

LIBERTY HIGH
SCHOOL

STADIUM
IMPROVEMENTS

850 2nd St
Brentwood, CA 94513

LIBERTY UNION HIGH
SCHOOL DISTRICT

ARCH PROJECT NO: 1722.00
DRAWN BY: AW
DRAWING SCALE: N.T.S.
PTN: 61721-0065

BID SET
December 21, 2018

SHEET TITLE

COVER SHEET
VOLUME 2

SHEET NUMBER

G-0.1.1

SHEET INDEX



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- A-6.01 INTERIOR ELEVATIONS - WALL MOUNTED
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BIM Server: archserver - BIM Server: 21/1722:00 LIBERTY HS - STADIUM IMPROVEMENTS:11/5/2016:12:39

LIBERTY HIGH SCHOOL

STADIUM IMPROVEMENTS

850 2nd St
Brentwood, CA 94513

LIBERTY UNION HIGH SCHOOL DISTRICT

IDENTIFICATION STAMP	
DIVISION OF THE STATE ARCHITECT	
FILE NO:	7-44
APPL. NO.:	01-11742
AC:	FLS: SS:
DATE: _____	

ARCH PROJECT NO: 1722.00

DRAWN BY:
DRAWING SCALE: N.T.S.
PTN: 61721-0065

BID SET

December 21, 2018

SHEET TITLE

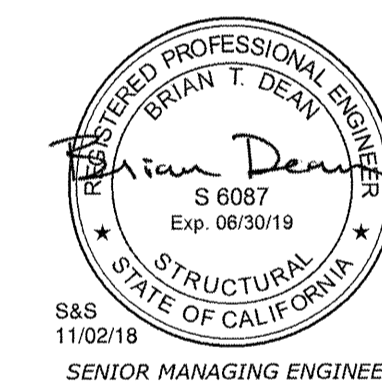
SHEET INDEX

SHEET NUMBER

G-0.2.1

LIBERTY UNION HIGH SCHOOL DISTRICT LIBERTY HIGH SCHOOL BRENTWOOD, CALIFORNIA

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REVISION 11/2/2018

REVISION 10/12/2018

GENERAL INFORMATION	
RISE:	12"/14"
TREAD:	26"
ROWS:	22
LENGTH:	228'-0"
SEAT COUNT:	2216

DATE: 7/11/18
 JOB #18120
 LIBERTY UNION HIGH SCHOOL DISTRICT
 LIBERTY HIGH SCHOOL
 BRENTWOOD, CALIFORNIA



Southern[®]
BLEACHER COMPANY
 GRANDSTANDS • BLEACHERS • STADIUMS

PO Box One, Graham, Texas 76450
 801 Fifth Street.
 Phone: 940/549-0733 Fax: 940/549-1365

Established 1946

#18120 - BRENTWOOD, CALIFORNIA

GENERAL REQUIREMENTS:

- CONFLICTS: NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
- CODES: ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2, 2016 CALIFORNIA BUILDING CODE (CBC).
- SIMILAR WORK: WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS.
- EXCAVATIONS: OWNER TO LOCATE AND PROTECT UNDERGROUND OR CONCEALED CONDUIT, PLUMBING OR OTHER UTILITIES WHERE NEW WORK IS BEING PERFORMED.

DESIGN CRITERIA

- DEAD LOADS: BLEACHERS (INCLUDES GIRDERS)..... 10 PSF
- LIVE LOADS: LIVE LOAD.....100 PSF SEATS.....120 PLF FOOTBOARDS.....100 PSF SWAY (PERPENDICULAR).....10 PLF SWAY (PARALLEL).....24 PLF GUARDRAILS AND HANDRAILS*.....50 PLF * OR A 200 POUND CONCENTRATED LOAD APPLIED TO RAIL AT ANY POINT IN ANY DIRECTION.
- LATERAL LOADS: A) SEISMIC - SHORT PERIOD SPECTRAL RESPONSE..... S_s = 1.493 g ONE - SECOND PERIOD SPECTRAL RESPONSE..... S₁ = 0.507 g SITE CLASSIFICATION..... D SITE COEFFICIENT..... F_a = 1.000 SITE COEFFICIENT..... F_v = 1.500 ADJUSTED SPECTRAL RESPONSE..... S_{ms} = 1.493 g ADJUSTED SPECTRAL RESPONSE..... S_{m1} = 0.761 g DESIGN SPECTRAL RESPONSE..... S_{DS} = 0.995 g (2/3 S_{ms}) DESIGN SPECTRAL RESPONSE..... S_{D1} = 0.507 g (2/3 S_{m1}) RISK CATEGORY: III I = 1.25 SEISMIC DESIGN CATEGORY..... D

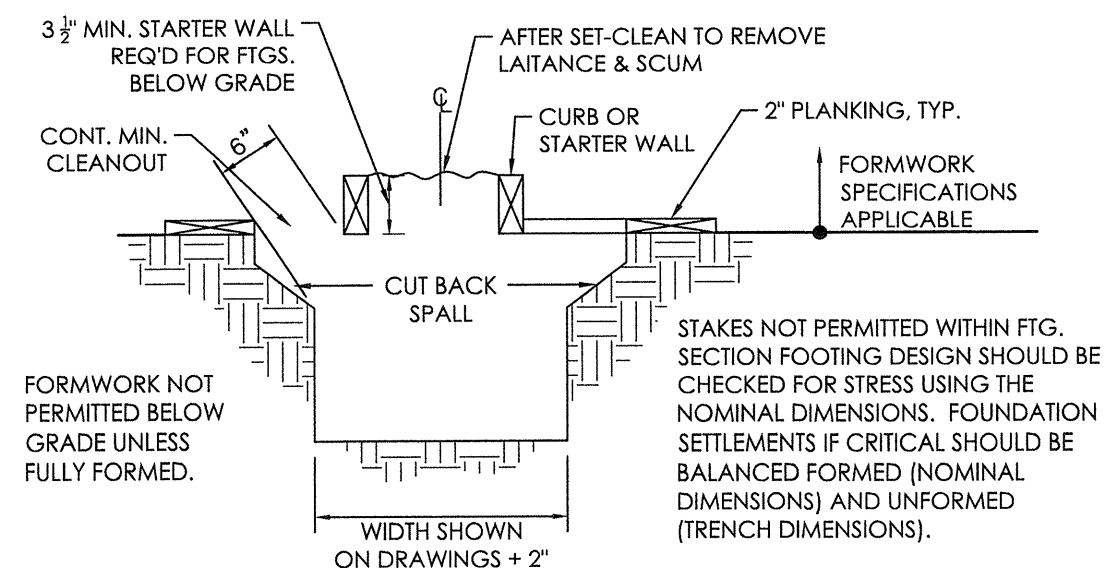
LATERAL SYSTEMS:

- LONGITUDINAL DIRECTION: CH. 15 STEEL OCBF
R = 3.25
Rho = 1.3
C_s = 0.383 *W (1.0E longitudinal)
V = ρC_sW = 0.498W (1.0E)
- TRANSVERSE DIRECTION: CH. 15 ALL OTHER SELF-SUPPORTING STRUCTURES
R = 1.25
Rho = 1.0
C_s = 0.995 *W (1.0E longitudinal)
V = ρC_sW = 0.995 W (1.0E)

- A) WIND:
1. ULTIMATE DESIGN WIND SPEED, V_{ult} = 115mph
2. RISK CATEGORY = III
3. WIND EXPOSURE = C

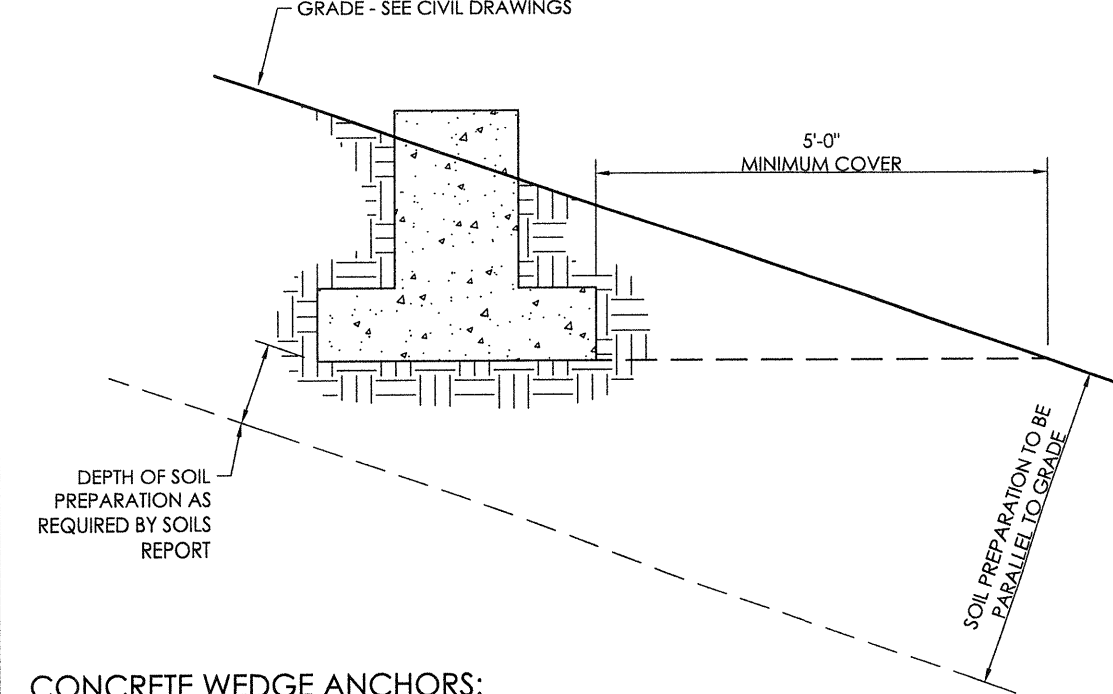
FOUNDATION:

- GEOTECHNICAL INVESTIGATION: BSK ASSOCIATES DATED: 04/11/18 REPORT DATA: PROJECT NO. G17-238-11L
- SOIL PRESSURES: SOIL BEARING..... 2500 PSF COEFFICIENT OF FRICTION..... 0.3 PASSIVE PRESSURE..... 300 PCF
- SOIL REMOVAL AND RECOMPACTION: PER GEOTECHNICAL INVESTIGATION AND THE CONTRACT DOCUMENTS. SOILS WORK SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER.
- GEOTECHNICAL ENGINEER: SHALL OBSERVE FOOTINGS BEFORE PLACEMENT OF REINFORCING OR CONCRETE. FOOTING OBSERVATION AND COMPACTION REPORTS SHALL BE SENT TO THE ARCHITECT AND DSA.
- SOIL PREPARATION: AS INDICATED IN THE GEOTECHNICAL INVESTIGATION REPORT AND AS SPECIFIED IN THE PROJECT SPECIFICATIONS. COORDINATE WITH GEOTECHNICAL ENGINEERS.
- MANDATORY MINIMUM FORMWORK (unless fully formed).



- STARTER WALL REQUIRED FOR ALL MASONRY OR CONCRETE WALLS.
- FOUNDATION CONCRETE MAY BE PLACED DIRECTLY INTO NEAT EXCAVATIONS PROVIDED THE FOUNDATION TRENCH WALLS ARE STABLE AS DETERMINED BY THE ARCHITECT (STRUCTURAL ENGINEER) SUBJECT TO THE APPROVAL OF THE DIVISION OF THE STATE ARCHITECT. IN SUCH CASE THE MINIMUM FORMWORK SHOWN ON THE DRAWINGS IS MANDATORY TO INSURE CLEAN EXCAVATIONS IMMEDIATELY PRIOR TO AND DURING THE PLACING OF CONCRETE.

FOUNDATIONS GEOTECHNICAL / GRADING REQUIREMENTS:



CONCRETE WEDGE ANCHORS:

- ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE ANCHOR.
- APPLY PROOF TEST LOADS TO WEDGE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT & INSTALL A THREE-ENDED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH & APPLY LOAD.
- REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWAL BY THE FIXTURE(S).
- TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
- THE FOLLOWING CRITERIA APPLY FOR THE ACCEPTANCE OF INSTALLED ANCHORS:
HYDRAULIC RAM METHOD: THE ANCHOR SHOULD HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD. FOR WEDGE ANCHORS, A PRACTICAL WAY TO DETERMINE OBSERVABLE MOVEMENT IS THAT THE WASHER UNDER THE NUT BECOMES LOOSE.
TORQUE WRENCH METHOD: WEDGE TYPE: THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN THE FOLLOWING LIMITS:
ONE-HALF (1/2) TURN OF THE NUT;
ONE-QUARTER (1/4) TURN OF THE NUT FOR THE 3/8 IN. SLEEVE ANCHOR ONLY.
- TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.
- TESTING VALUES:

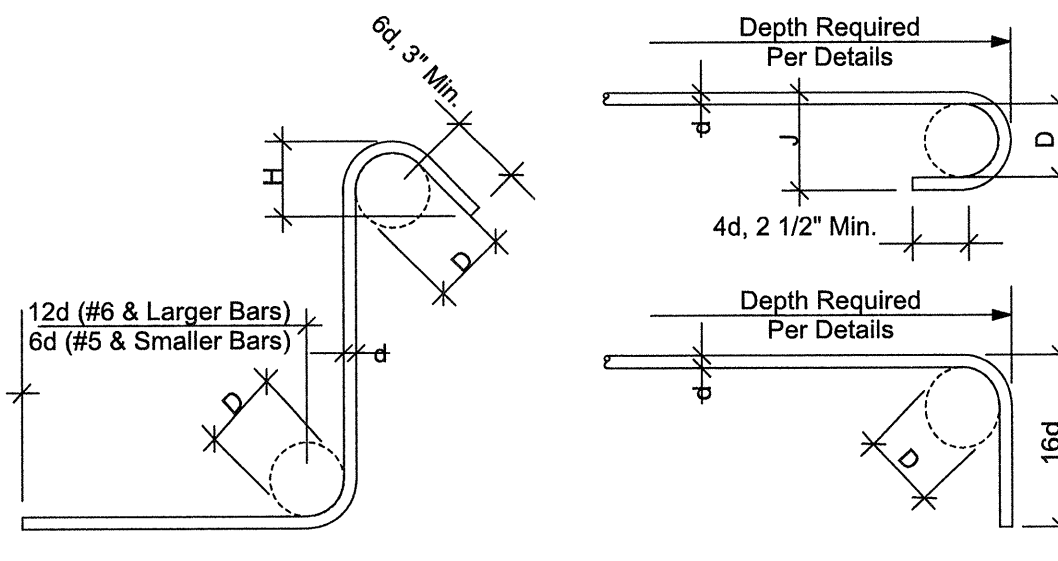
HILTI KB TZ ICC-ESR-1917 HARD ROCK TEST VALUES CONCRETE			
ANCHOR DIA. (IN.)	MINIMUM EMBEDMENT	ALLOWABLE TENSION LOAD (LBS.)	TORQUE (FT.-LBS.)
3/8	2"	2,560	25
1/2	3 1/2"	5,610	40
5/8	4"	9,300	60
3/4	4 1/2"	10,860	110

CONCRETE NOTES:

- MAXIMUM SIZE AGGREGATE SHALL BE AS FOLLOWS:
1 1/2"Ø
AGGREGATE FOR CONCRETE SHALL CONFORM TO ASTM C33. GRADING OF AGGREGATE SHALL CONFORM TO TITLE 24, PART 2 CHAPTER 19-A, CBC.
- MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 3,000 PSI.
- ALL REINFORCING SHALL BE ASTM A615 GRADE 40 FOR #3, GRADE 60 FOR #4 AND LARGER. REINF. TO BE WELDED SHALL BE ASTM A706.
- ALL DIMENSIONS SHOWN FOR LOCATION OF REINFORCING STEEL ARE TO FACE OF BAR AND DENOTE CLEAR COVERAGE. UNLESS SPECIFICALLY NOTED, CONCRETE COVERAGE SHALL BE AS FOLLOWS:
3" FOR CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS)
2" FOR CONCRETE EXPOSED TO GROUND OR WEATHER BUT PLACED IN FORMS. PLACE REINF. AT MID-THICKNESS FOR SLABS ON GROUND.
- CONCRETE SHALL NOT BE DROPPED THROUGH REINF. STEEL (AS IN WALL) SO TO CAUSE SEGREGATION OF AGGREGATES. IN SUCH CASES, HOPPERS AND VERTICAL CHUTES OR TRUNKS SHALL BE USED. CHUTES OR TRUNKS SHALL BE OF VARIABLE LENGTHS SO THAT FREE UNCONFINED FALL OF CONCRETE SHALL NOT EXCEED FIVE (5) FEET AND SUFFICIENT NUMBER SHALL BE USED TO INSURE THE CONCRETE BEING LEVEL AT ALL TIMES.
- HORIZONTAL CONSTRUCTION JOINTS SHALL HAVE ENTIRE SURFACE REMOVED TO EXPOSED CLEAN AGGREGATE SOLIDLY EMBEDDED.
- ALL STEEL COLUMN BASE PLATES AND STEEL BEAMS BEARING ON CONCRETE SHALL BEAR UPON 1" DRYPACK AND LEVELING NUTS EXCEPT AS NOTED OTHERWISE.
- WHERE STEEL MEMBERS BEAR IN CONCRETE, GAPS BETWEEN BASE PLATE AND CONCRETE SHOULD BE DRY-PACKED WITH GROUT AFTER STEEL IS IN PLACE. GROUT SHALL BE PER CONCRETE CONTRACTOR AND SHALL BE 5 KSI MINIMUM.
- PROVIDE MINIMUM LAP SPLICES FOR CONTINUOUS REINFORCEMENT PER THE SCHEDULE PROVIDED BELOW. PROVIDE MINIMUM DEVELOPMENT FOR HOOKED BARS PER THE SCHEDULE BELOW.

**TYPICAL LAP SPLICES AND DEVELOPMENT U.N.O. PER PLAN
3000 psi Conc., 60 ksi Rebar, 2" Clr. Min.**

Bar Size	Hook Dev. Length (L _{dh})	Lap Splice
#3	6"	17"
#4	8"	23"
#5	10"	28"
#6	12"	34"
#7	14"	49"



STANDARD TIES & STIRRUPS

Bar Size	D	H
#3	1 1/2"	2 1/2"
#4	2"	3"
#5	2 1/2"	3 3/4"
#6	4 1/2"	4 1/2"
#7	5 1/4"	5 1/4"
#8	6"	6"

NOTE: All bar bend diameters and end lengths must conform to the CRSI Manual of Standard Practice.

STANDARD END HOOKS

Bar Size	D	J
#3	2 1/4"	3"
#4	3"	4"
#5	3 3/4"	5"
#6	4 1/2"	6"
#7	5 1/4"	7"
#8	6"	8"
#9	9 1/2"	11 3/4"
#10	10 3/4"	13 1/4"

CONCRETE - EPOXY ANCHORED THREADED RODS:

- MATERIALS: (ICC ESR 3187)
HILTI HIT-HY200 EPOXY ADHESIVE
CONCRETE (MIN)..... F_c = 3,000 PSI STONE AGGREGATE
THREADED RODS..... ASTM A-153 TYPICAL
NUTS..... ASTM A-563 HEX, GRADE A
 - INSTALLATION:
A. CARBIDE-TIPPED DRILL BITS ANSI B212.15-1994.
B. HOLES DRILLED WITH HOLLOW BIT, NO CLEANING OR BRUSHING REQUIRED.
C. INSTALLATION AND ALLOWABLE LOADING:
- | HILTI HIT-HY200
HARD ROCK TEST VALUES CONCRETE | | | | | | |
|---|-----------------|-------------------|-----------------------|-------------------|-----------------------|--------------------------|
| ROD DIAM. (IN.) | BIT DIAM. (IN.) | MIN. EMBED. (IN.) | ALLOW. TENSION (LBS.) | LOAD SHEAR (LBS.) | MIN. EDGE DIST. (IN.) | TIGHT. TORQUE (FT. LBS.) |
| 3/8 | 7/16 | 3-3/8 | 1,370 | 1,320 | 5-1/4 | 18 |
| 1/2 | 9/16 | 4-1/2 | 2,400 | 2,375 | 6-3/8 | 30 |
| 5/8 | 3/4 | 5-5/8 | 3,595 | 3,375 | 7-1/2 | 75 |
| 3/4 | 7/8 | 6-3/4 | 5,025 | 4,400 | 10-1/8 | 150 |
| 7/8 | 1 | 7-7/8 | 5,340 | 5,330 | 11-5/8 | 175 |
| 1 | 1-1/8 | 9 | 6,440 | 6,140 | 13-1/2 | 235 |
| 1-1/4 | 1-3/8 | 11-1/4 | 8,645 | 8,875 | 14-1/2 | 400 |
- CAPACITY LOADS ARE STRENGTH DESIGN LOADS.
 - DO NOT INSTALL IN CONCRETE THAT IS LESS THAN 7 DAYS OLD.
 - MINIMUM MEMBER THICKNESS TO RECEIVE ROD SHALL BE NO LESS THAN 1.5 TIMES THE ANCHOR EMBEDMENT DEPTH.
 - ANCHORS SHALL BE INSTALLED IN HAMMER DRILLED HOLES

STRUCTURAL STEEL:

- CODES: AISC SPECIFICATION FOR STRUCTURAL STEEL FOR BUILDINGS: MANUAL OF STEEL CONSTRUCTION (14TH EDITION); STRUCTURAL WELDING CODE AWS D1.1 AND AWS D1.4. PIPES SHALL BE IDENTIFIED WITH MILL IDENTIFICATION IN ACCORDANCE WITH ASTM A-53 AND TUBE SHAPES IN ACCORDANCE WITH ASTM A-500.
- IDENTIFICATION: ROLLED STRUCTURAL STEEL SHAPES SHALL BE IDENTIFIED WITH MILL IDENTIFICATION MARKS IN CONFORMANCE WITH ASTM A6.
- MATERIALS:
STRUCTURAL SHAPES
WIDE FLANGE..... ASTM A992/A572, F_y = 50 ksi (Gr. 50) U.N.O.
CHANNELS AND ANGLES..... ASTM A36/A36M/A529, F_y = 50 ksi (Gr 50)
SWAYRODS..... ASTM A36/A36M/A529, F_y = 50 ksi (Gr 50)
HSS SHAPES (TUBE COLUMNS)..... ASTM A-500 GRADE B - 46 KSI
PLATES..... ASTM A36/A36M/A529/A572, F_y=50 ksi (Gr 50)
BOLTS..... ASTM A-307, TYPICAL U.N.O (HOT DIP GALVANIZED)
NUTS..... HEAVY HEX (HOT DIP GALVANIZED)
NON-SHRINK GROUT..... ASTM C-1107 7,000 PSI (NON-METALLIC)
ANCHOR BOLTS..... ASTM A36 OR ASTM A307 Gr. 2 F_y=36 ksi (HOT DIP GALVANIZED)
- WELDING: ALL WELDING SHALL BE IN CONFORMANCE WITH AWS D1.1. WELDS ARE ALL AROUND WITH TYPE ER70S-6 WIRE MIG U.N.O.
- ALL STEEL SHALL BE HOT DIP GALVANIZED TO CURRENT A.S.T.M. A-123.
- ALL FIELD CONNECTIONS ARE NON-SLIP CRITICAL U.N.O. ALL CONNECTIONS ARE DESIGNED TO UTILIZE A307 BOLTS. IT IS ACCEPTABLE TO USE A325N BOLTS IN LIEU OF THE A307 BOLTS. THE INSTALLATION OF THESE BOLTS ARE TO BE TIGHTENED A SNUG TIGHT CONDITION AS SPECIFIED BY AISC.
- SWAYROD THREADS SHALL BE PINGED WITH A HAMMER TO ELIMINATE REMOVAL OF NUT, AFTER FINAL TIGHTENING.

COLD FORMED MEMBERS (PRESS BOX):

- MATERIALS:
- | STEEL PROPERTIES | | | |
|------------------|-------------------------|---------------------|------------------------------|
| TUBE | 4" SQUARE X 11 GA. TUBE | A500 GRADE B | F _y = 39ksi, MIN. |
| DIAGONAL ANGLE | L2 X 2 X 3/16" | A36 / A572 / A529 | F _y = 50ksi, MIN. |
| BELLY PAN ANGLE | L2 X 2 X 1/8" | A36 / A572 / A529 | F _y = 50ksi, MIN. |
| CEES | 4 X 2 1/2 X 14 GA. | A1011 / A653 | F _y = 33ksi, MIN. |
| FLAT STRAP | 4" X 14 GA. | A1011 / A653 | F _y = 33ksi, MIN. |
| ROOF PLATE | 11GA. OR 1/8" | A1011 / A653 / A786 | F _y = 27ksi, MIN. |
- CODES AND FABRICATION: STEEL STUD MANUFACTURER'S ASSOCIATION ICC ESR 3064P OR APPROVED EQUAL.
 - COLD FORMED SHAPES SHALL BE LIMITED TO A THICKNESS OF 11 GAGE OR THINNER.

ALUMINUM:

- MATERIALS: ALUMINUM SHAPES.....ALLOY 6061-T6 OR 6005-T5 (F_y = 35 KSI) PLANKING.....ALLOY 6063-T6 (F_y = 25 KSI)
 - DISSIMILAR MATERIALS: WHERE ALUMINUM SURFACES ARE IN CONTACT WITH STEEL, THE STEEL SHALL BE GALVANIZED.
 - MILL FINISHED ALUMINUM WILL BECOME DISCOLORED DUE TO OXIDATION WHICH IS A NATURAL PHENOMENON & SHOULD BE EXPECTED.
 - ANODIZED ALUMINUM HANDRAIL IS 1 1/4" PIPE SIZE.
 - ALUMINUM TO CONFORM TO 2015 ALUMINUM DESIGN MANUAL.
- SPECIAL INSPECTION/INSPECTOR REQUIREMENTS**
REQUIREMENTS FOR SPECIAL INSPECTION:
- PROJECT INSPECTOR: IN ACCORDANCE WITH TITLE 24, PART 1, SECTIONS 4-333 AND 4-342.
 - CERTIFIED SPECIAL INSPECTOR: EMPLOYED BY THE DISTRICT AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND DSA.
 - REPORTS: PREPARED BY THE SPECIAL INSPECTOR AND SIGNED BY A CIVIL ENGINEER, SUBMITTED TO THE DSA, THE ARCHITECT, AND ENGINEER. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF NOT CORRECTED, TO THE ARCHITECT, ENGINEER AND THE DSA (CBC 1704A.2.4).
 - THE SPECIAL INSPECTION IS TO BE CONTINUOUS DURING THE PERFORMANCE OF THE WORK UNLESS OTHERWISE SPECIFIED.

SUMMARY OF STRUCTURAL CONTINUOUS AND PERIODIC SPECIAL INSPECTION:

- RESPONSIBILITY: IT IS THE RESPONSIBILITY OF THE PROJECT INSPECTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION.
- SPECIAL INSPECTIONS:
A) CONCRETE (CBC 1705A.3): DURING THE TAKING OF TEST SPECIMENS AND PLACING OF REINFORCED CONCRETE.
B) BOLTS INSTALLED IN CONCRETE (CBC 1705A.3): PRIOR TO AND DURING THE PLACEMENT OF CONCRETE AROUND BOLTS.
C) REINFORCING STEEL (CBC 1705A.3): DURING PLACING OF REINFORCING STEEL FOR ALL CONCRETE SPECIFIED TO HAVE SPECIAL INSPECTION.
D) STRUCTURAL WELDING AND FABRICATION (CBC 1705A.2):
I. DURING ALL SHOP AND FIELD WELDING IN ACCORDANCE WITH AWS D1.1 DURING SHOP FABRICATION.
II. WELDING INSPECTORS ARE TO BE AWS QC-1 CERTIFIED.
IV. INSPECTION SHALL BE PER AWS D1.1, D1.3 OR D1.4 AND INCLUDE VERIFICATION THAT THE WPS IS BEING FOLLOWED.
V. ALL STEEL AND WELDING MATERIALS SHALL BE IDENTIFIED AS REQUIRED BY THEIR ASTM OR AWS STANDARD.
VI. ALL SUBMITTED TO THE OWNER BY THEIR WELDING INSPECTOR, NOT THE BLEACHER FABRICATOR.
E) CONCRETE ANCHORS: FOR ALL THREADED ROD AND REINFORCING STEEL ANCHORED WITH EPOXY ADHESIVE IN CONCRETE; FOR ALL EXPANSION ANCHORS IN CONCRETE. INSPECTION / TESTING SHALL BE IN CONFORMANCE WITH THE ANCHOR MANUFACTURER'S EVALUATION REPORT AND SHALL INCLUDE AS A MINIMUM VERIFICATION OF HOLE DEPTH AND DIAMETER, CLEAN OUT, ALL MATERIALS, INSTALLATION TORQUE AND PROOF LOAD TESTS.

TAYLOR & JYFAN
STRUCTURAL ENGINEERS
GENERAL OFFICE: 6601 79th Ave, San Diego, CA 92121
COUNTY OFFICE: 6601 79th Ave, San Diego, CA 92121
WEBSITE: www.taylorandjyfan.com

Southern BLEACHER COMPANY
PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1345
Established 1946

REGISTERED PROFESSIONAL ENGINEER
BRIAN T. DEAN
S 6087
Exp. 06/30/19
STATE OF CALIFORNIA
S&S 11/02/18
SENIOR MANAGING ENGINEER

LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

GENERAL NOTES

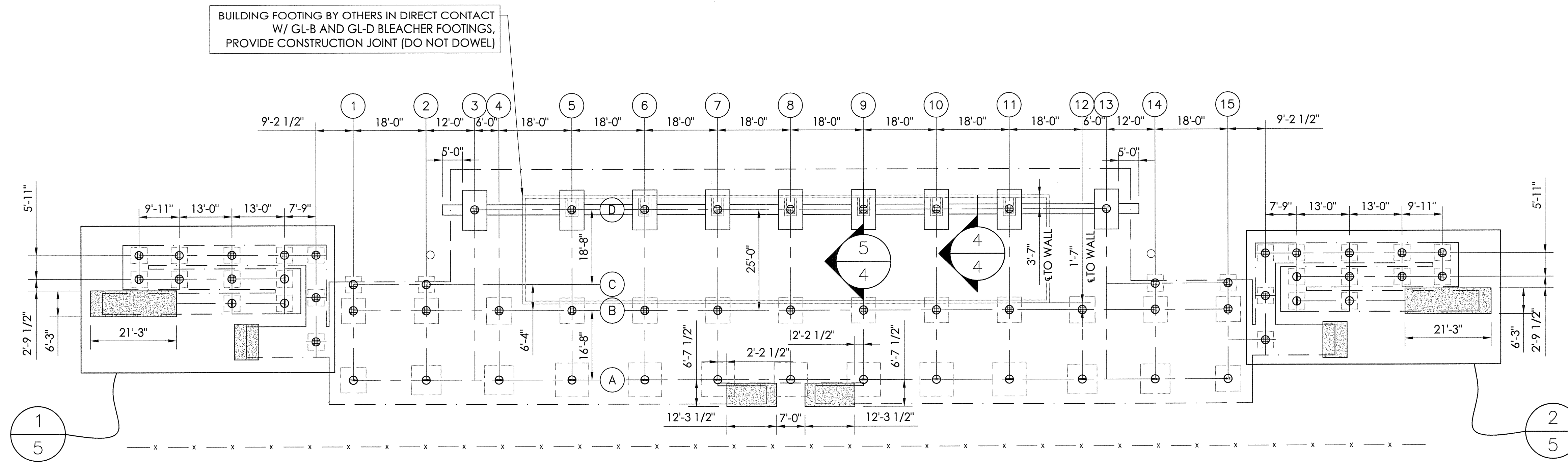
REV	DATE	DESCRIPTION
1	7/11/18	JGS ECM/DME

DATE: 7/11/18
DRAWN: JGS
CHECKED: ECM/DME

NO. CHANGE
NO. CHANGE

JOB NUMBER: 18120
SHEET: 2 OF 29

22" X 34" (11x17 = 1/2 indicated scale)



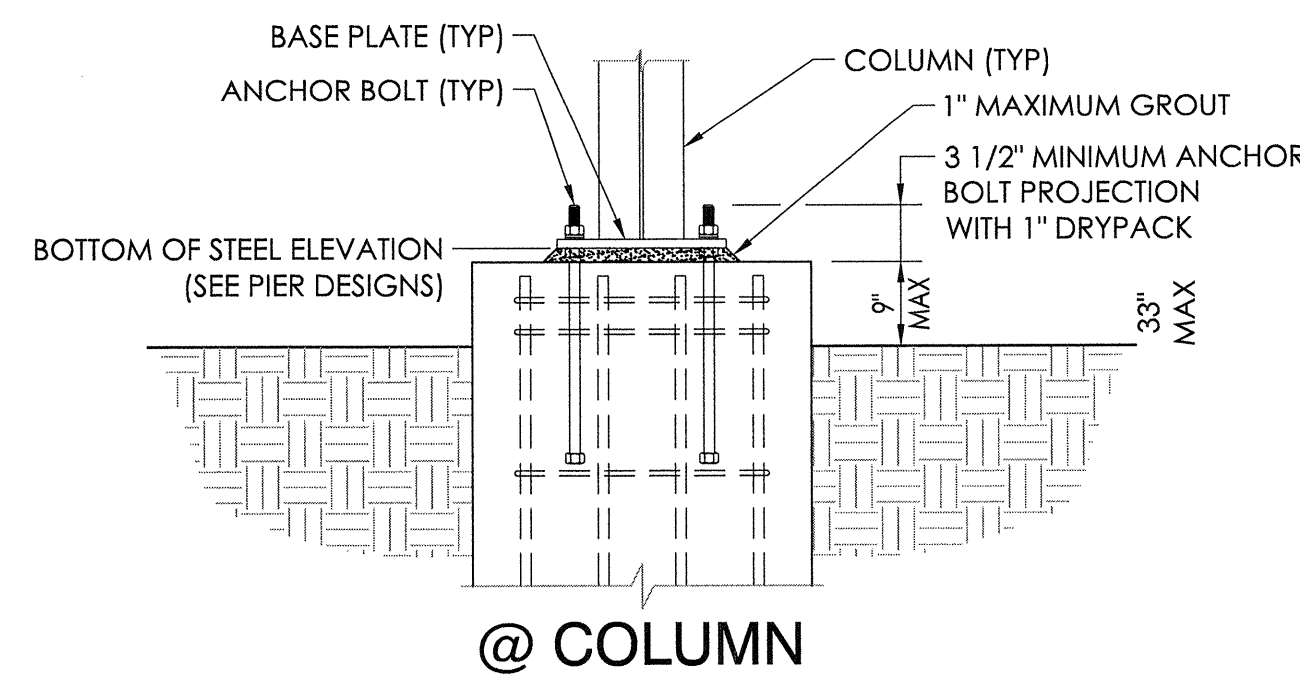
FOUNDATION NOTES

1. OWNER/OWNERS REP SHALL VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION.
2. REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.
3. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
4. MAXIMUM HORIZ. TOLERANCE OF ANCHOR BOLT PLACEMENT SHALL BE $\pm\frac{1}{8}$ ".
5. ALL ANCHOR BOLTS SHALL HAVE A $3\frac{1}{2}$ " PROJECTION ($\pm\frac{1}{8}$ ") ABOVE THE TOP OF PIER ELEVATION, UNLESS SPECIFICALLY NOTED OTHERWISE.
6. THE CONCRETE FOUNDATION CONTRACTOR IS RESPONSIBLE FOR NON SHRINK GROUTING.
7. THE ELEVATION AT THE TOP OF THE CONCRETE PIER IS DESIGNED TO BE 1" BELOW THE BOTTOM OF STEEL ELEVATION. THE TOLERANCE FOR THE BOTTOM OF STEEL ELEVATION IS $\pm\frac{1}{8}$ ". THE TOP OF CONCRETE ELEVATION MAY BE RAISED TO MATCH THE BOTTOM OF STEEL ELEVATION, AT THE CONCRETE CONTRACTOR'S DISCRETION. THE CONTRACTOR OF THE CONCRETE FOUNDATIONS IS RESPONSIBLE FOR ANY ADJUSTMENTS REQUIRED.
8. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND MARKED DURING THE REVIEW PROCESS BY THE OWNERS REPRESENTATIVE PRIOR TO FOUNDATION EXCAVATION.
9. REMOVE/RELOCATE THE UNDERGROUND UTILITIES AS REQUIRED WHERE UNDERGROUND UTILITIES CONFLICT WITH THE NEW FOOTINGS.

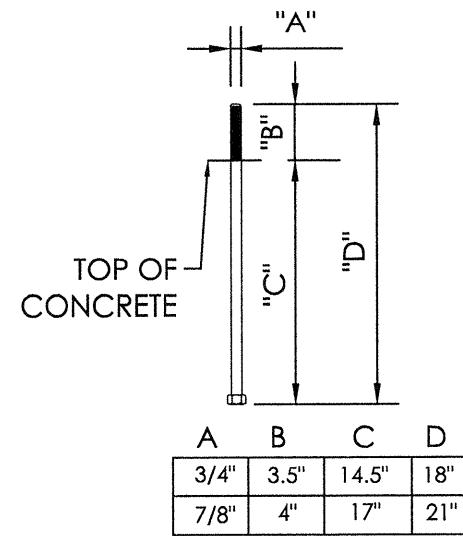
1 3	DETAIL NUMBER SHEET SHOWN ON SHEET CUT FROM	STRUCTURAL ENGINEERS Taylor & Ryan 553 S. Oak Knoll Ave. Pasadena, CA 91101 PO Box One, Graham, Texas 76650 801 Fifth Street Phone: 940/549-0733 Fax: 940/549-1365 ESTABLISHED 1946 Southern BLEACHER COMPANY GRANDSTANDS • BLEACHERS • STADIUMS
1 3	FOOTING LAYOUT SCALE: 1/16" = 1'-0"	
THE FOOTING LAYOUT 26" TRENDS/ 22 ROWS X 264'-0"	THE LIBERTY UNION HIGH SCHOOL DISTRICT LIBERTY HIGH SCHOOL BRENTWOOD, CALIFORNIA	SENIOR MANAGING ENGINEER
DATE 7/11/18	DRAWN JGS	CHECKED ECM/Dmc
JOB NUMBER 18120	SHEET 3	OF 29

22" X 34" (1/16" = 1/2 indicated scale)

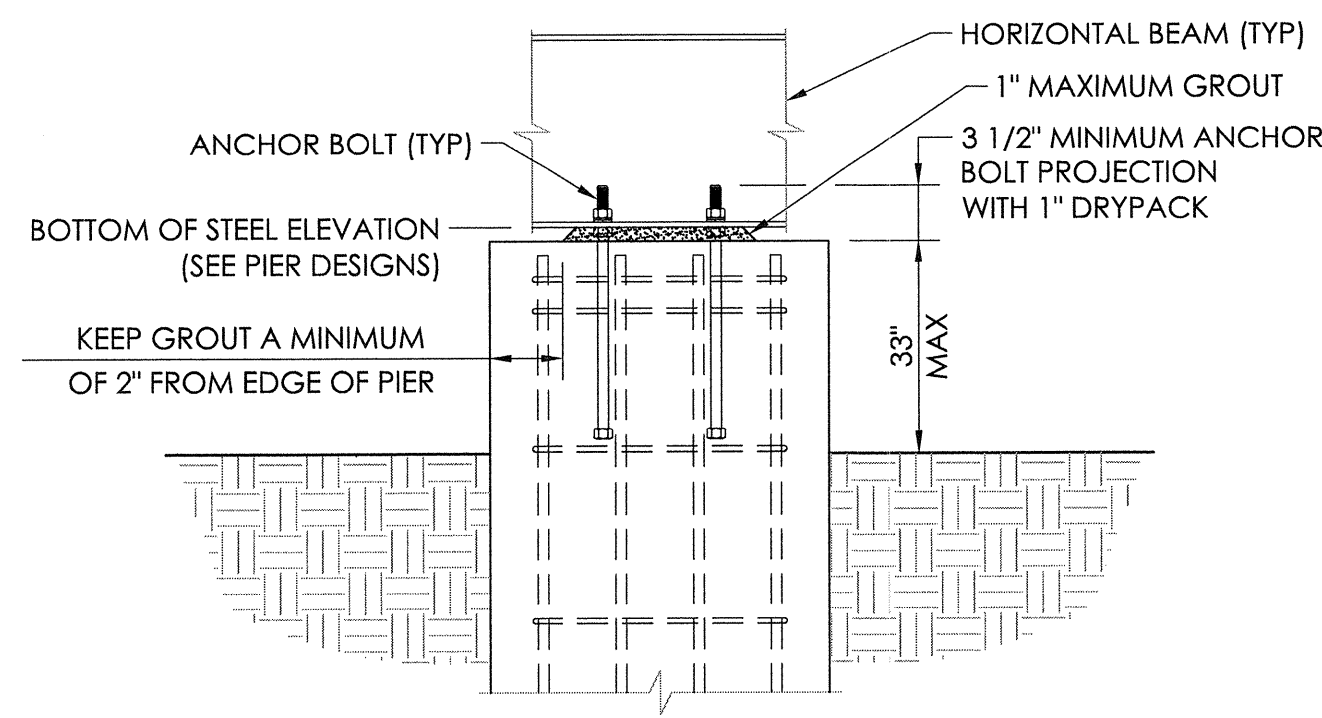




@ COLUMN



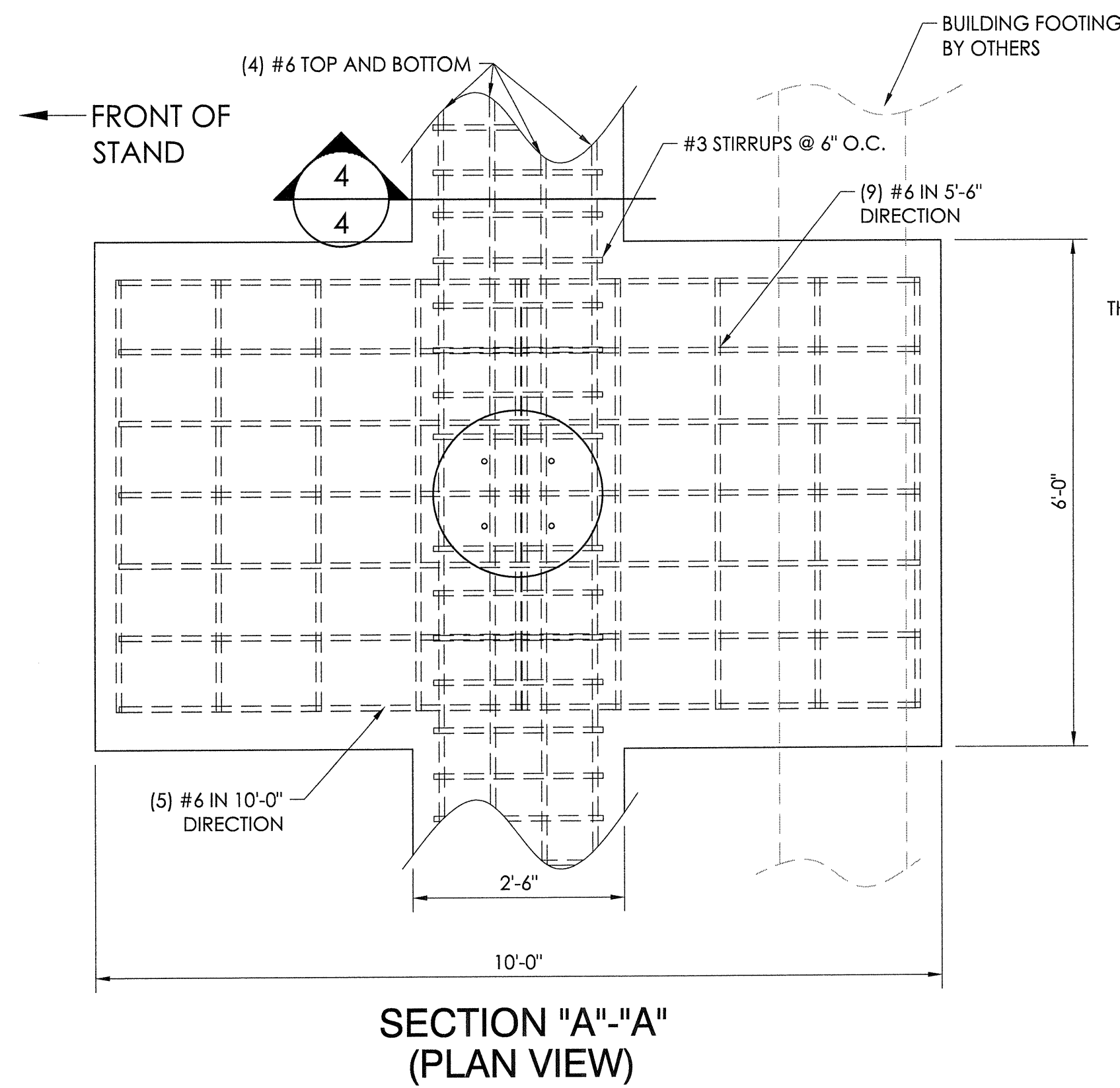
1 TOP OF PIER DETAIL
4 NOT TO SCALE



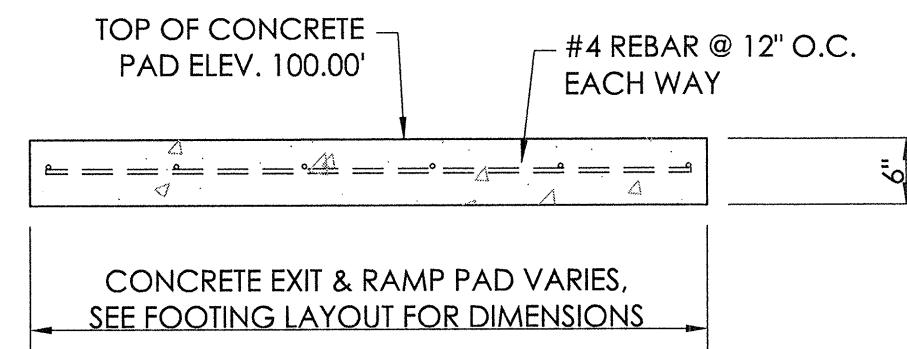
@ HORIZONTAL BEAM

FOOTING SCHEDULE
T.O.P. = TOP OF PIER
B.O.S. = BOTTOM OF STEEL

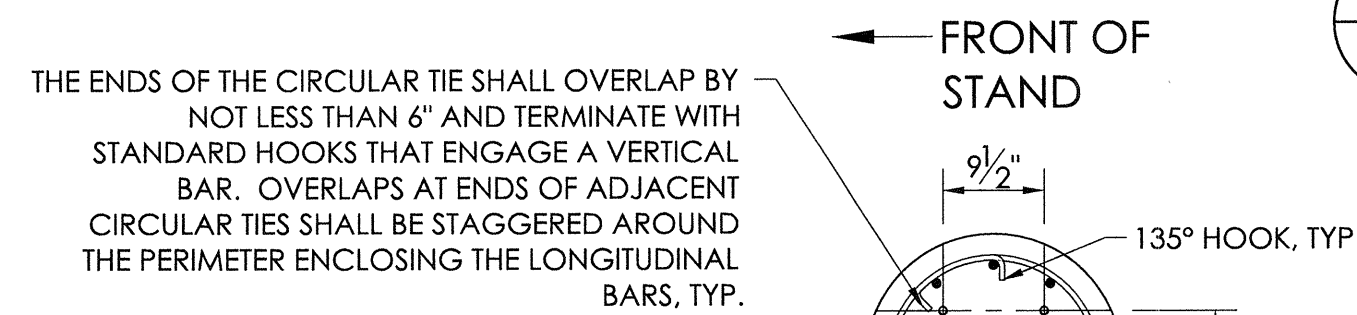
FOOTING # (R = RAMP PIER)	T.O.P. ELEV.	B.O.S. ELEV.	"H"	"D"	"W"	PAD REINFORCEMENT
A1, & A15	102.61'	102.693'	15"	18"	6'-3" X 6'-3"	(6) #6'S EACH WAY
A2, A4, A12, & A14	102.61'	102.693'	15"	18"	7'-3" X 7'-3"	(7) #6'S EACH WAY
A5, A6, A10, & A11	102.61'	102.693'	15"	18"	8'-3" X 8'-3"	(8) #6'S EACH WAY
A7-A9	102.58'	102.66'	15"	18"	8'-3" X 8'-3"	(8) #6'S EACH WAY
B1, B2, B5-B11, B14, & B15	100.42'	100.5'	18"	18"	6'-0" X 6'-0"	(6) #6'S EACH WAY
B4, & B12	100.42'	100.5'	18"	18"	6'-3" X 6'-3"	(6) #6'S EACH WAY
C1, C2, C14, & C15	100.42'	100.5'	15"	18"	4'-0" X 4'-0"	(4) #6'S EACH WAY
R1 & R14	100.42'	100.5'	15"	18"	4'-0" X 4'-0"	(4) #6'S EACH WAY
R2-R10 & R15-R23	100.42'	100.5'	15"	18"	3'-9" X 3'-9"	(4) #6'S EACH WAY
R11, R12, R24, & R25	102.12'	102.203'	15"	18"	3'-9" X 3'-9"	(4) #6'S EACH WAY
R13, & R26	101.27'	101.353'	15"	18"	3'-9" X 3'-9"	(4) #6'S EACH WAY



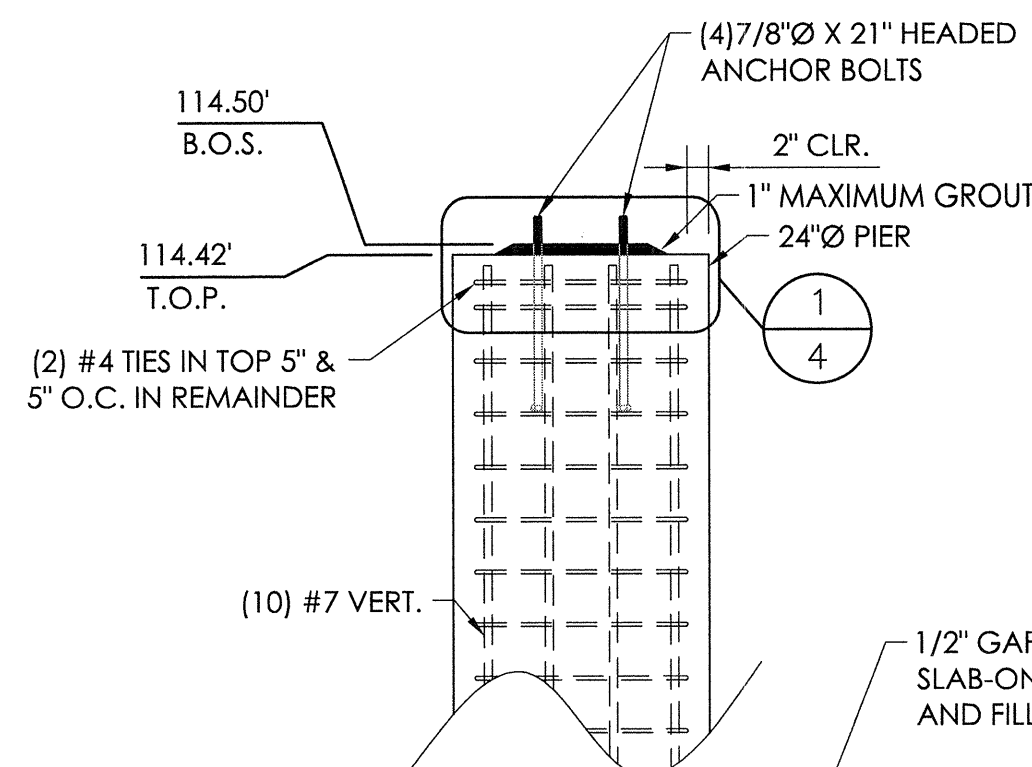
SECTION "A"-A'
(PLAN VIEW)



2 MINIMUM EXIT PAD DETAIL
4 NOT TO SCALE

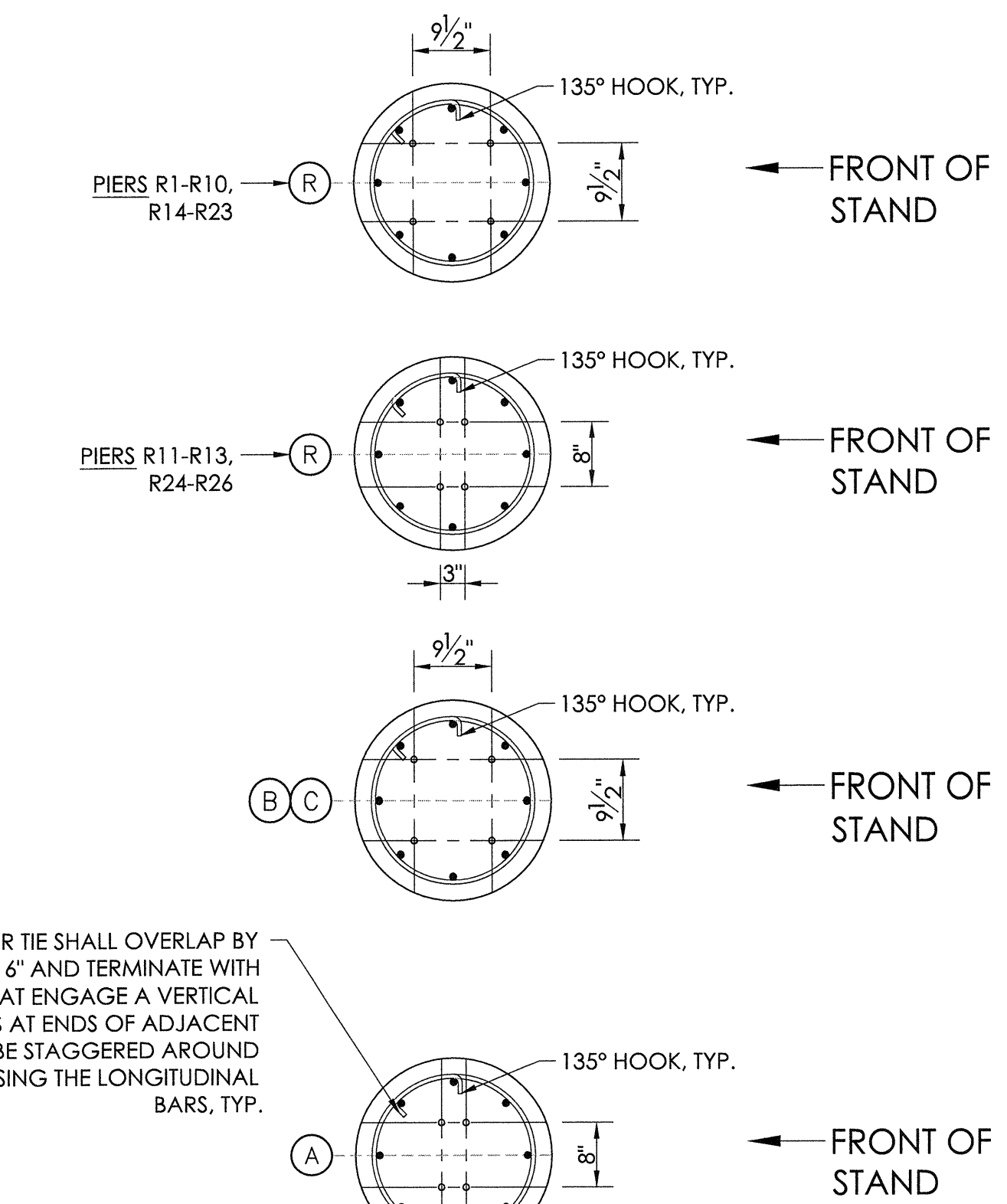


THE ENDS OF THE CIRCULAR TIE SHALL OVERLAP BY NOT LESS THAN 6" AND TERMINATE WITH STANDARD HOOKS THAT ENGAGE A VERTICAL BAR. OVERLAPS AT ENDS OF ADJACENT CIRCULAR TIES SHALL BE STAGGERED AROUND THE PERIMETER ENCLOSING THE LONGITUDINAL BARS, TYP.

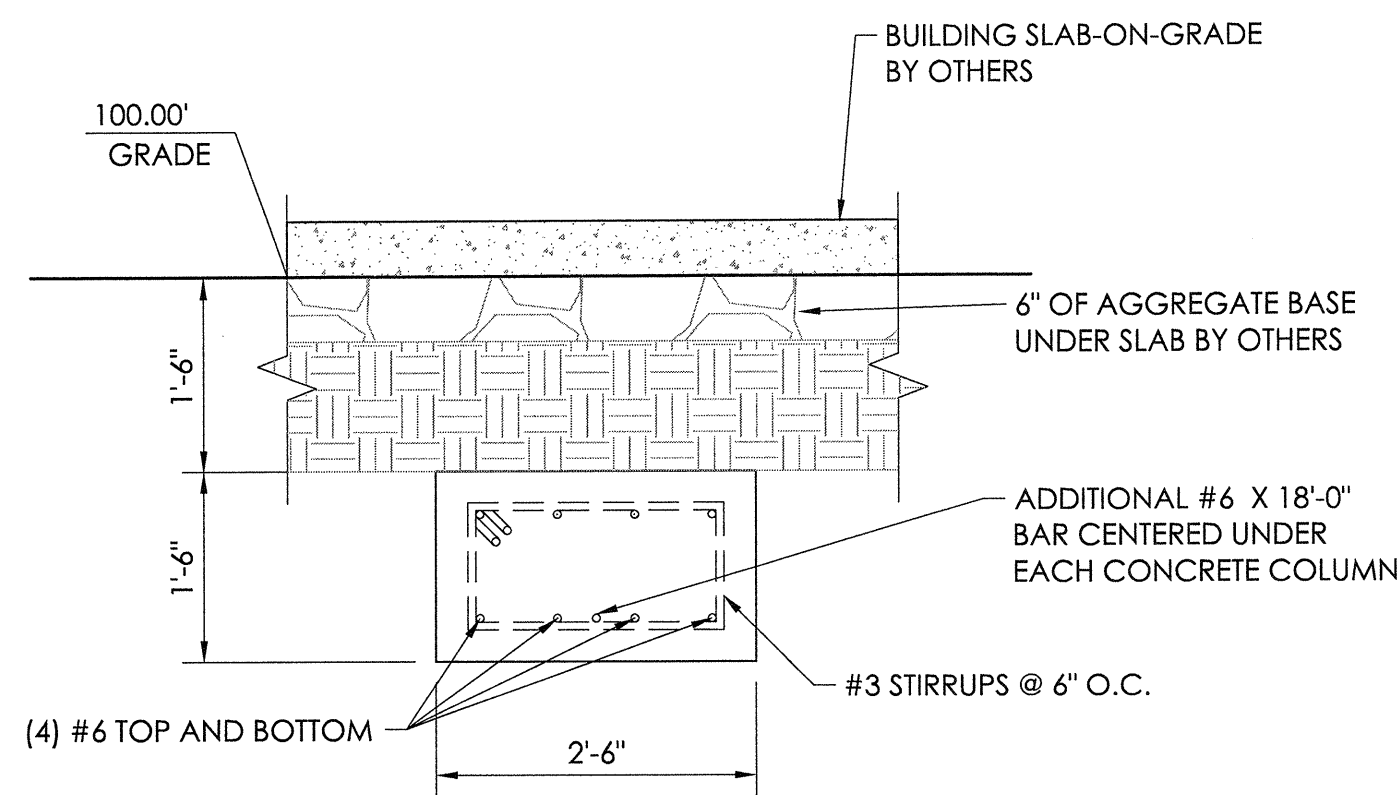


(1) 24" PIER
(2) #4 TIES IN TOP 5" & 5" O.C. IN REMAINDER
(10) #7 VERT.
(4) 7/8" X 21" HEADED ANCHOR BOLTS
1" MAXIMUM GROUT
2" CLR.
114.50' B.O.S.
114.42' T.O.P.

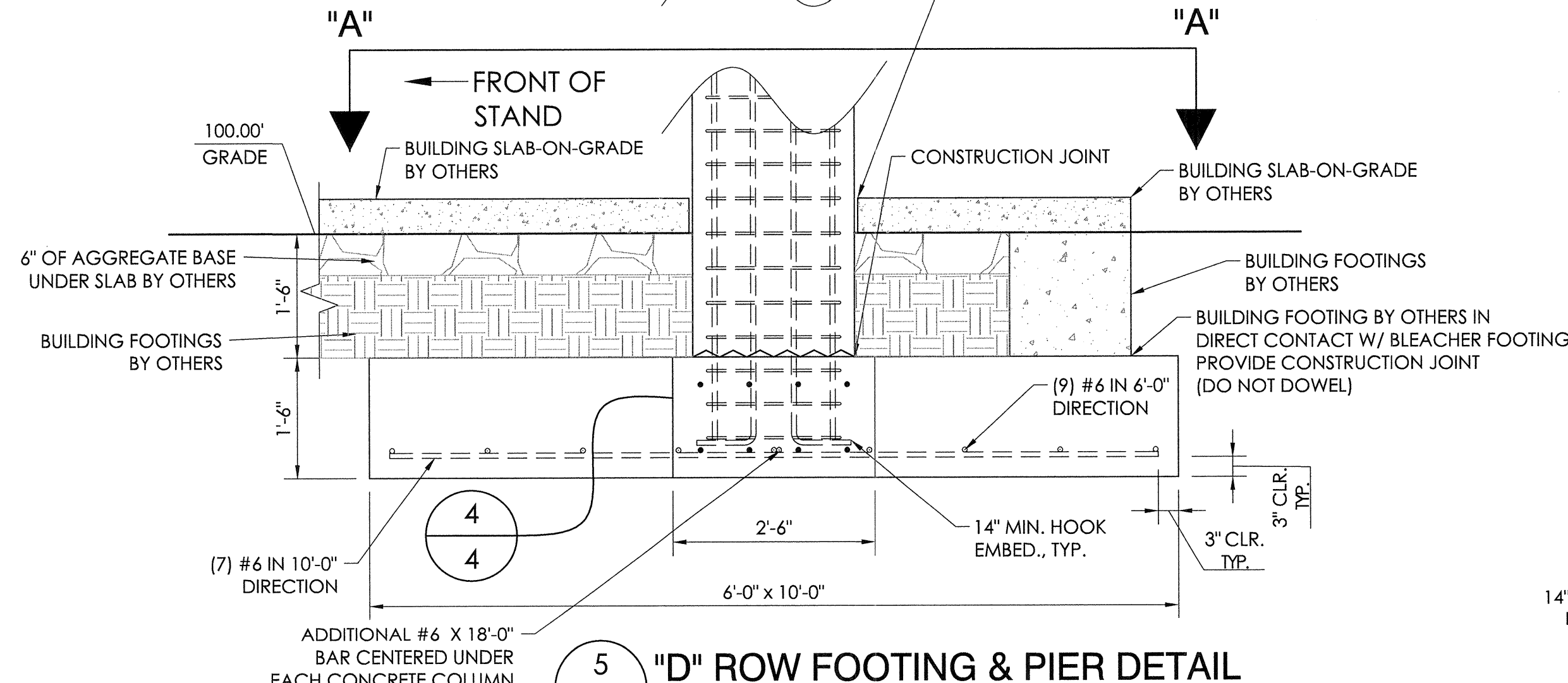
THE ENDS OF THE CIRCULAR TIE SHALL OVERLAP BY NOT LESS THAN 6" AND TERMINATE WITH STANDARD HOOKS THAT ENGAGE A VERTICAL BAR. OVERLAPS AT ENDS OF ADJACENT CIRCULAR TIES SHALL BE STAGGERED AROUND THE PERIMETER ENCLOSING THE LONGITUDINAL BARS, TYP.



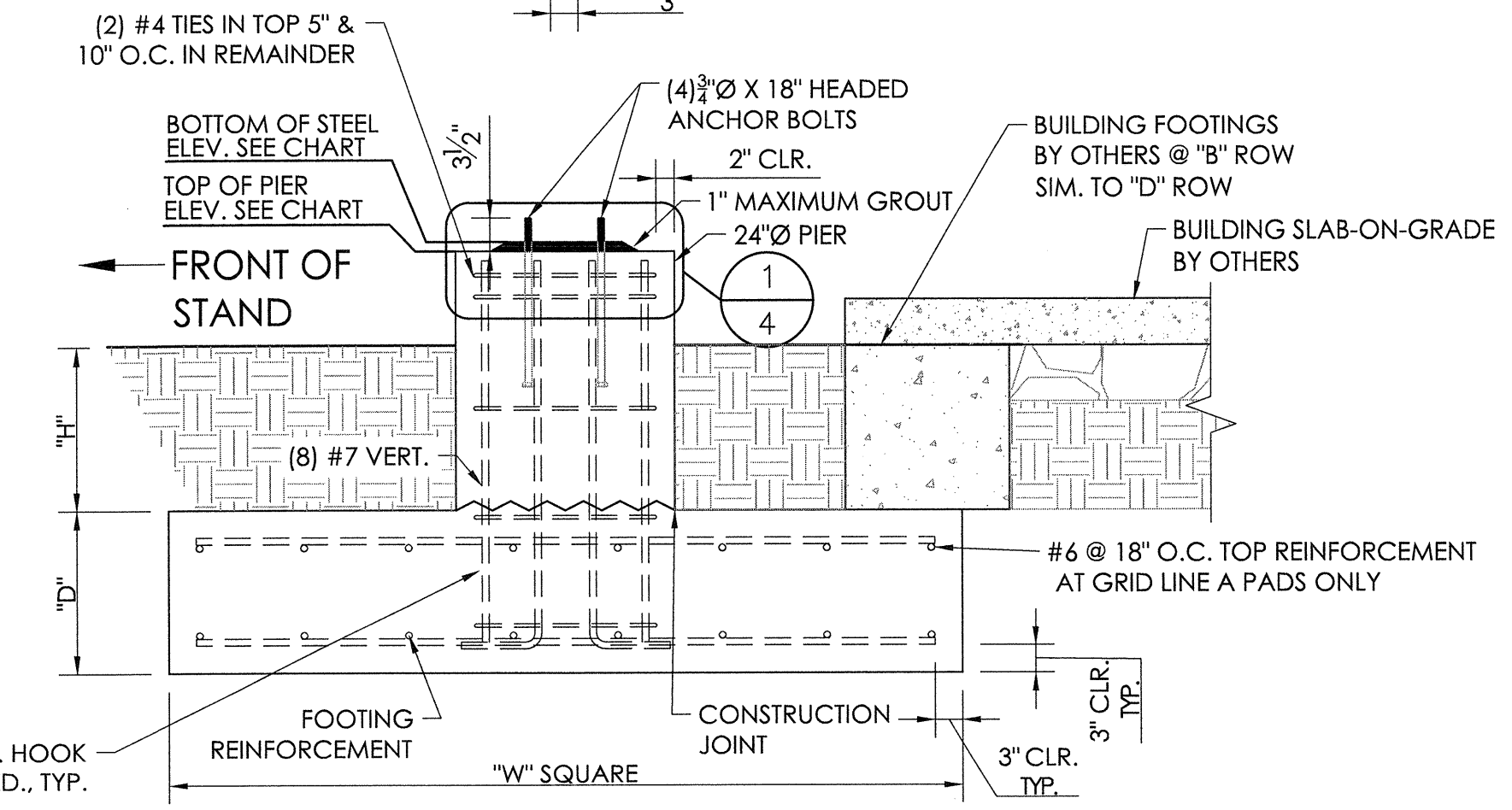
PIERS R1-R10, R14-R23
PIERS R11-R13, R24-R26
PIERS R1-R10, R14-R23
PIERS R11-R13, R24-R26



4 "D" ROW GRADE DETAIL
4 NOT TO SCALE



5 "D" ROW FOOTING & PIER DETAIL
4 NOT TO SCALE



3 FOOTING & PIER DETAIL
4 NOT TO SCALE

DETAIL NUMBER ON SHEET SHOWN ON SHEET CUT FROM

STRUCTURAL ENGINEERS
CENTRAL
5553 S. Oak Knoll Ave. Pasadena, CA 91101
Tel: (626) 795-5249
Fax: (626) 795-5249
http://www.taylorandjfan.com

TAYLOR & JFAN
Southern BLEACHER COMPANY
PO Box One, Graham, Texas 76640
801 Fifth Street
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

REGISTERED PROFESSIONAL ENGINEER
BRIAN T. DEAN
S 6087
Exp. 06/30/19
STRUCTURAL
STATE OF CALIFORNIA
S&S
11/02/18
SENIOR MANAGING ENGINEER

FOOTING DETAILS

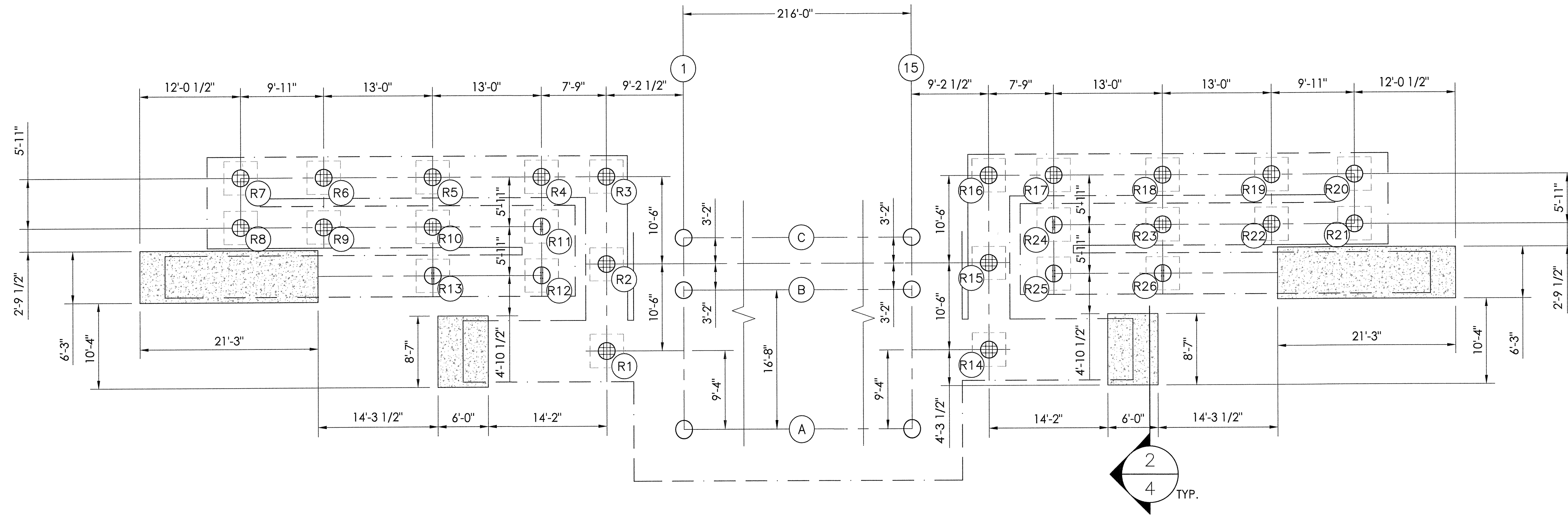
LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV	DATE	DESCRIPTION	BY	CHECKED
1	7/11/18	JGS	JGS	ECM/DME

JOB NUMBER 18120

SHEET 4 OF 29

22" X 34" (11x17 = 1/2 indicated scale)



1 RAMP FOOTING LAYOUT
5 SCALE: 1/16" = 1'-0"

2 RAMP FOOTING LAYOUT
5 SCALE: 1/16" = 1'-0"

1-10-1
DETAIL NUMBER
SHEET SHOWN ON
SHEET CUT FROM

STRUCTURAL ENGINEERS
CENTRAL
TEL: (650) 792-7289
FAX: (650) 792-7289
553 S. Oak Knoll Ave. Pasadena, CA 91101
http://www.taylorandjyfan.com

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S 6087
Exp. 06/30/19
STRUCTURAL
STATE OF CALIFORNIA
S&S
11/02/18
SENIOR MANAGING ENGINEER

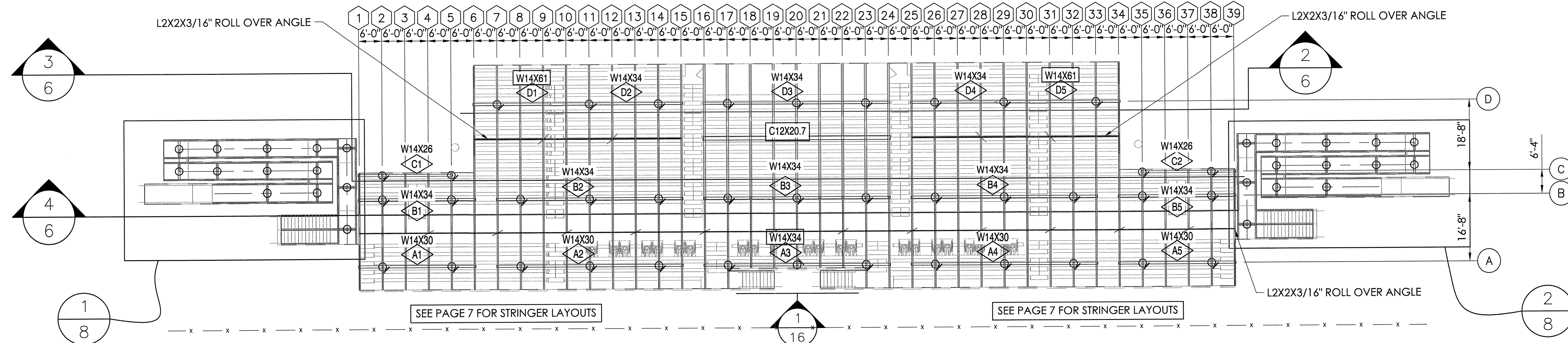
RAMP FOOTING LAYOUT
26" TRENDS / 22 ROWS X 264'-0"
LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV	BY	DATE	DESCRIPTION	NO. CHANGE
1	JGS	7/11/18	DRAMA	NO CHANGE
2	JGS	7/11/18	NO CHANGE	NO CHANGE
3	JGS	7/11/18	NO CHANGE	NO CHANGE
4	JGS	7/11/18	NO CHANGE	NO CHANGE
5	JGS	7/11/18	NO CHANGE	NO CHANGE

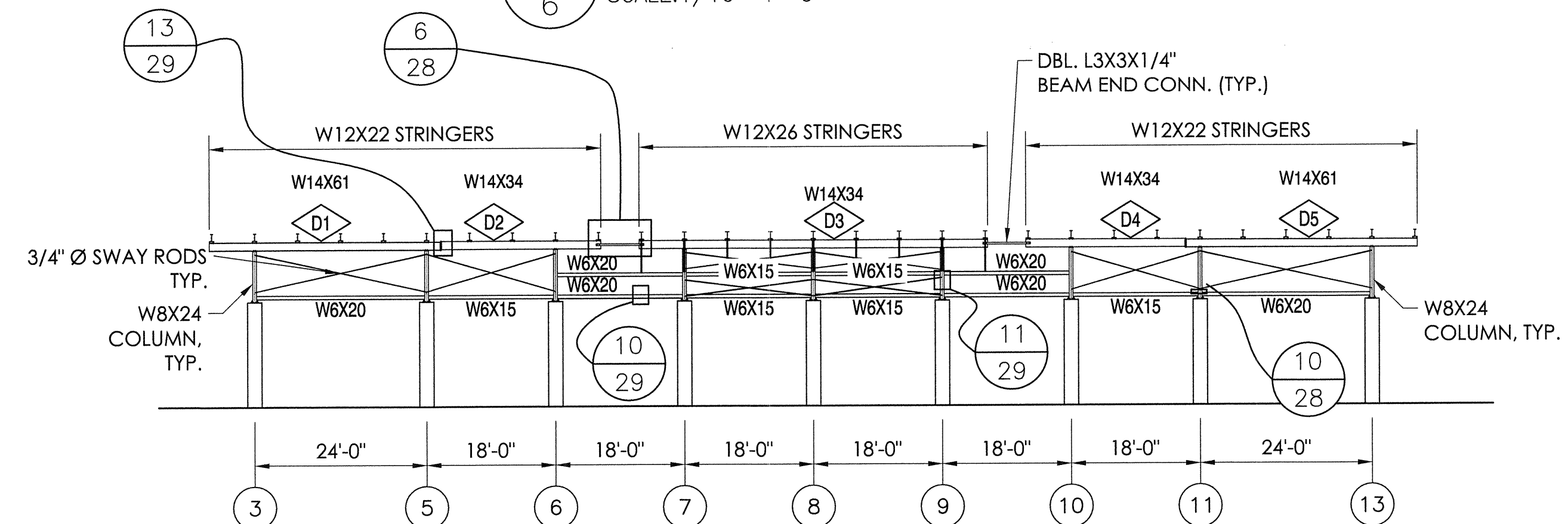
JOB NUMBER: 18120
SHEET 5 OF 29

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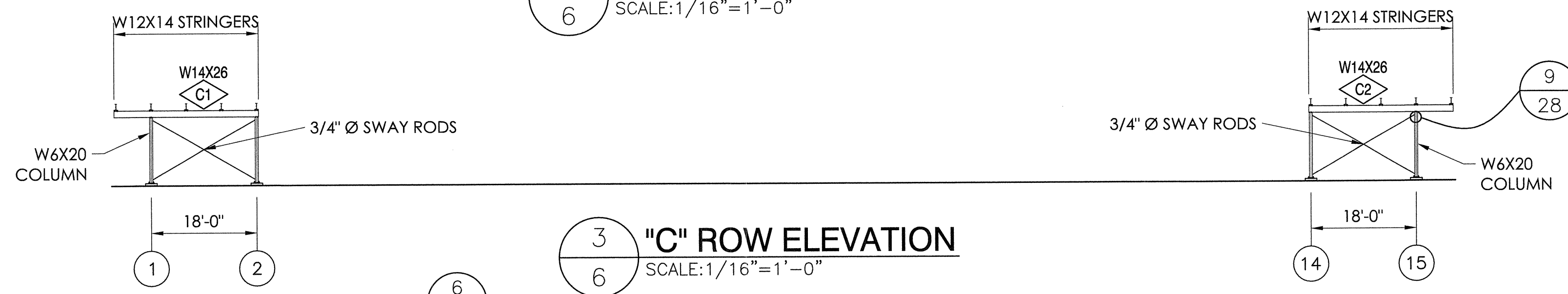
22" X 34" (11x17 = 1/2 indicated scale)



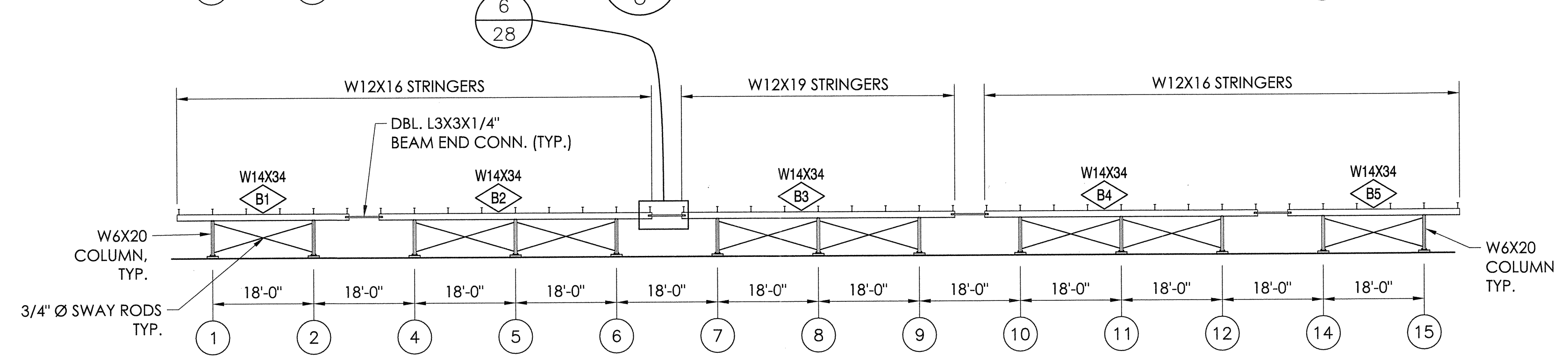
1 UNDERSTRUCTURE LAYOUT
SCALE: 1/16" = 1'-0"



2 "D" ROW ELEVATION
SCALE: 1/16" = 1'-0"



3 "C" ROW ELEVATION
SCALE: 1/16" = 1'-0"



4 "B" ROW ELEVATION
SCALE: 1/16" = 1'-0"

STRUCTURAL ENGINEERS
CENTRAL
1520 793-2486
1520 793-2489
5553 S. Oak Knoll Ave. Pasadena, CA 91101
http://www.taylorandjohan.com

TAYLOR & JOHAN

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801 Fifth Street
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S 6087
Exp. 06/30/19
STRUCTURAL
STATE OF CALIFORNIA
889
11/02/16
SENIOR MANAGING ENGINEER

THE UNDERSTRUCTURE LAYOUT
26" TREADS / 22 ROWS X 264'-0"

THE LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

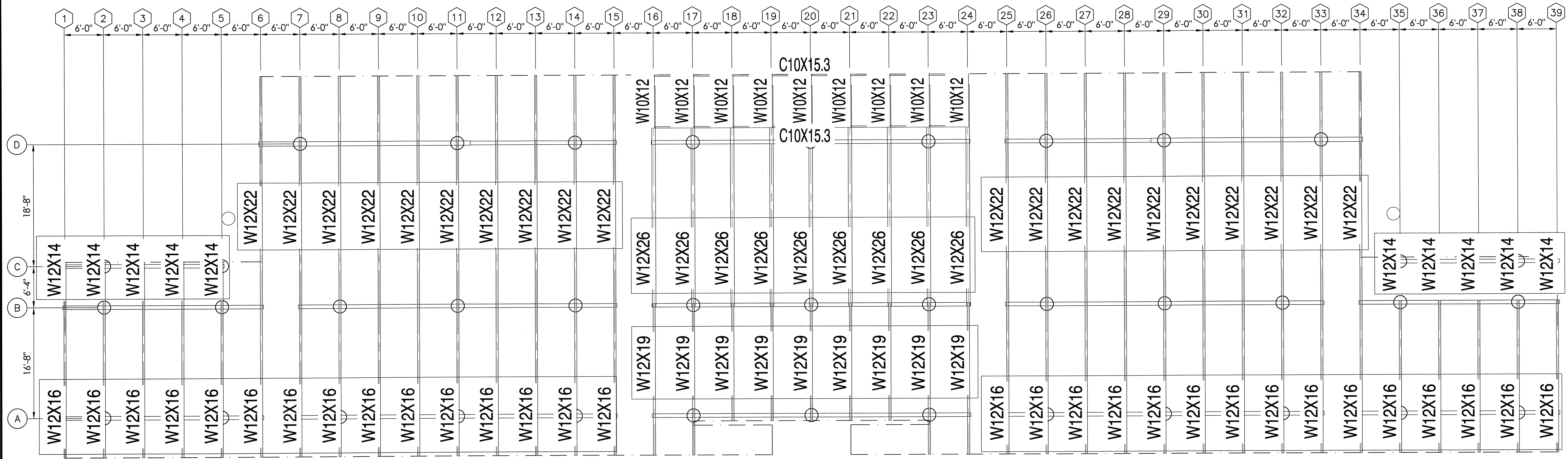
DATE	REVISION	DESCRIPTION
7/11/18	JGS	ISSUE 07/26
	JGS	ISSUE 07/26

JOB NUMBER: **18120**

SHEET **6** OF **29**

22" x 34" (11x17 = 1/2 indicated scale)

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1 UNDERSTRUCTURE STRINGER LAYOUT
 SCALE: 1/16" = 1'-0"

1 - DETAIL NUMBER
 10 - SHEET SHOWN ON
 SHEET CUT FROM

STRUCTURAL ENGINEERS
 GENERAL: Ph: 661.752.288
 FAX: 661.752.289
 COUNTY: 553 S. Oak Knoll Ave. Pasadena, CA 91101
 http://www.taylorjyffan.com

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 BLEACHER COMPANY
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REGISTERED PROFESSIONAL ENGINEER
 BRIAN T. DEAN
 S 6087
 Exp. 06/30/19
 STATE OF CALIFORNIA
 SENIOR MANAGING ENGINEER

UNDERSTRUCTURE STRINGER LAYOUT
 26" TREADS / 22 ROWS X 264'-0"
 LIBERTY UNION HIGH SCHOOL DISTRICT
 LIBERTY HIGH SCHOOL
 BRENTWOOD, CALIFORNIA

REV	BY	DATE	DESCRIPTION
7	JGS	7/11/18	ISSUED
8	ECM	DMc	NO CHANGE
9			NO CHANGE

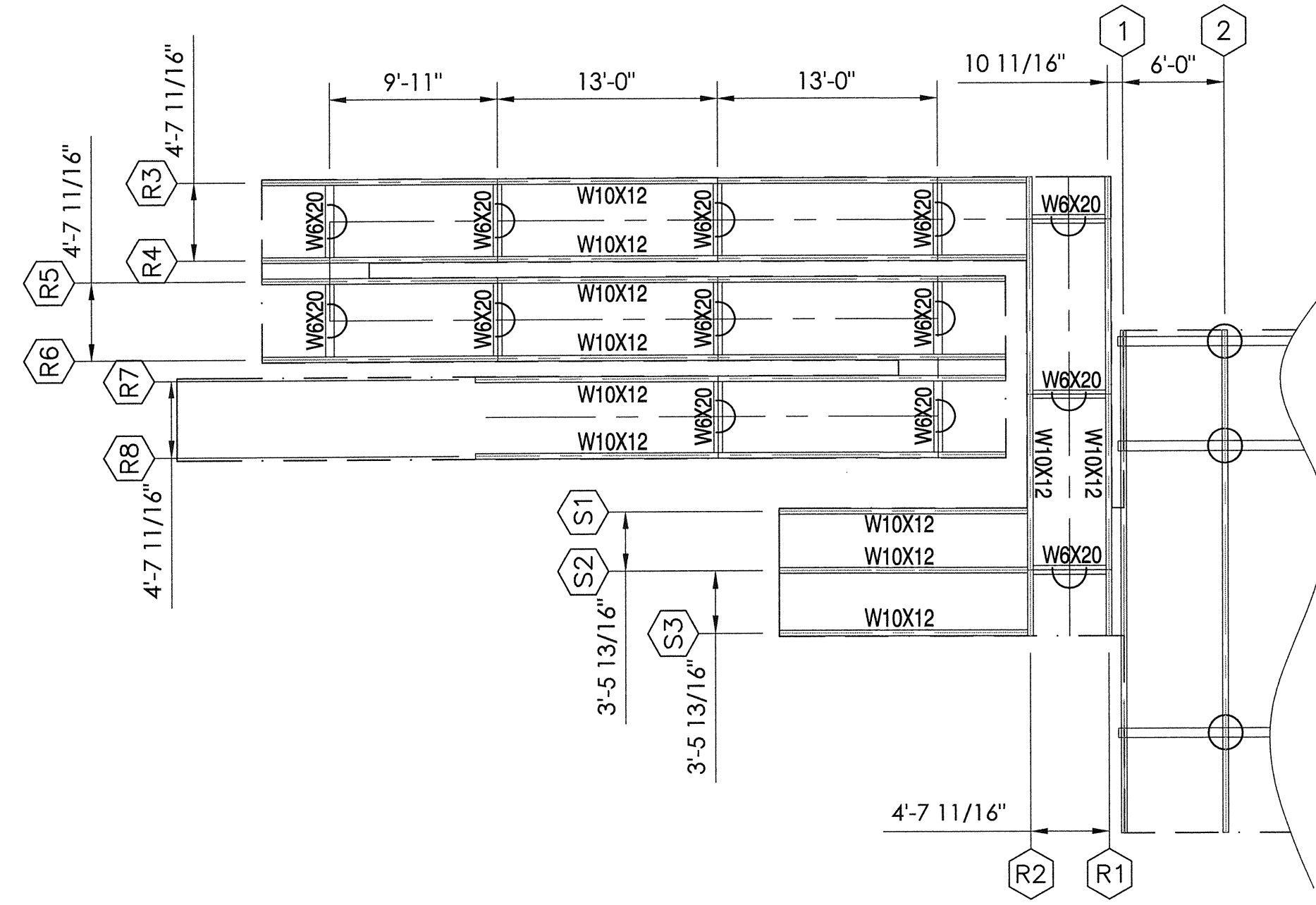
JOB NUMBER: **18120**
 SHEET: **7** OF **29**



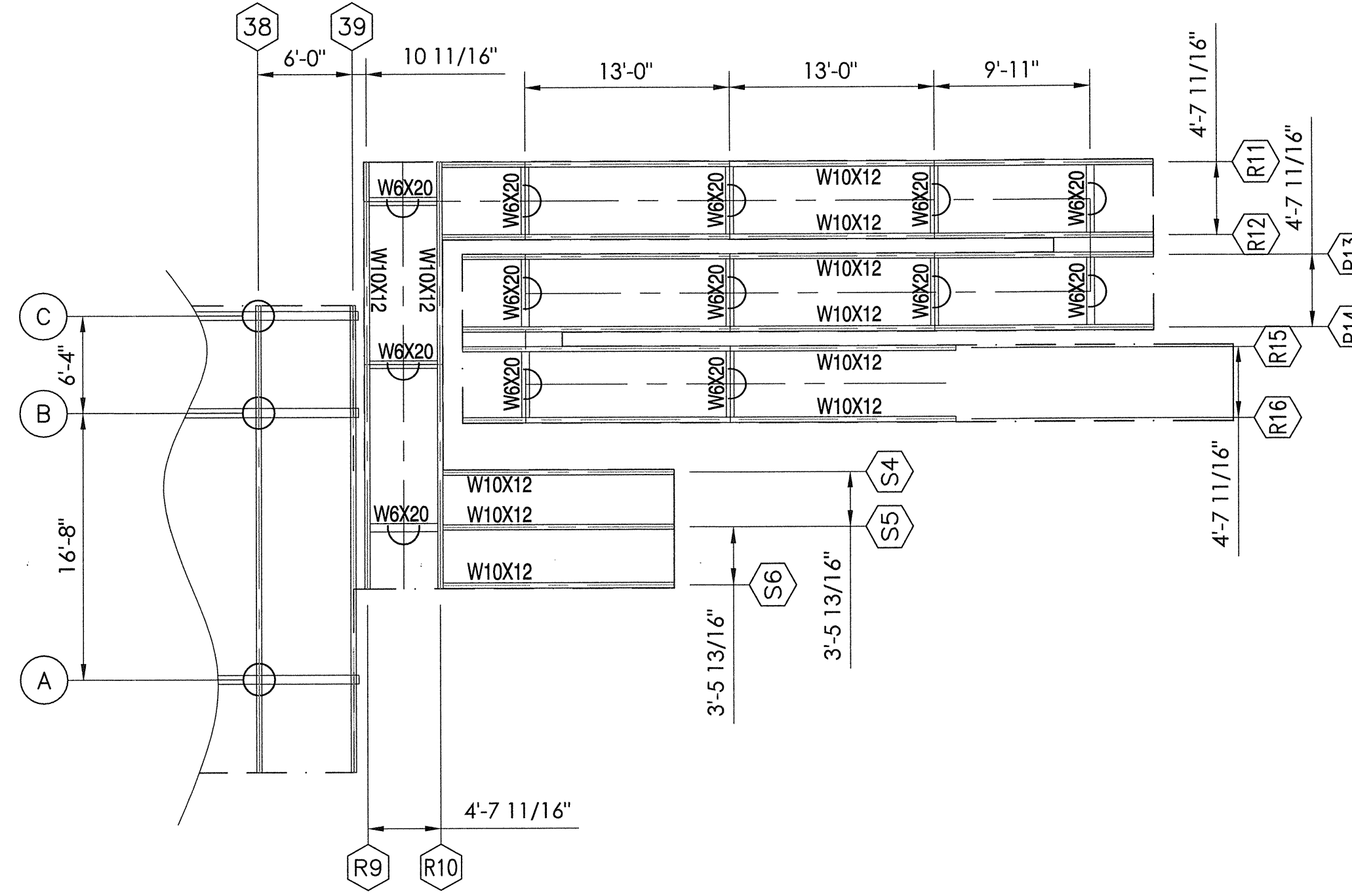
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22" X 34" (11x17 = 1/2 indicated scale)

1
8 RAMP UNDERSTRUCTURE LAYOUT
SCALE: 1/16" = 1'-0"



2
8 RAMP UNDERSTRUCTURE LAYOUT
SCALE: 1/16" = 1'-0"



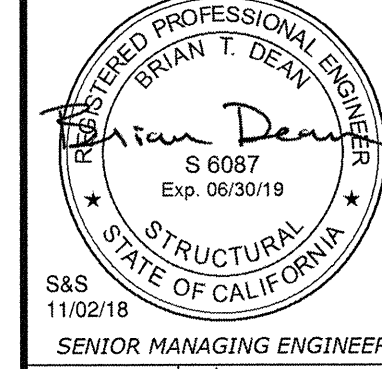
1-10 SHEET NUMBER
3-10 SHEET SHOWN ON
SHEET CUT FROM

STRUCTURAL ENGINEERS
CENTRAL
CALIFORNIA
5533 S. Oak Knoll Ave. Pasadena, CA 91101
Tel: 626 795 2488
Fax: 626 795 2489
http://www.tyfan.com

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PO Box One, Graham, Texas 76450
801 Fifth Street,
Phone: 940/549-0733 Fax: 940/549-1365

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RAMP UNDERSTRUCTURE LAYOUT
26" TREADS / 22 ROWS X 264'-0"
LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV	BY	DATE	DESCRIPTION
1	JGS	7/11/18	ISSUED FOR PERMIT
2	JGS	7/11/18	NO CHANGE
3	JGS	7/11/18	NO CHANGE

JOB NUMBER: 18120
SHEET 8 OF 29

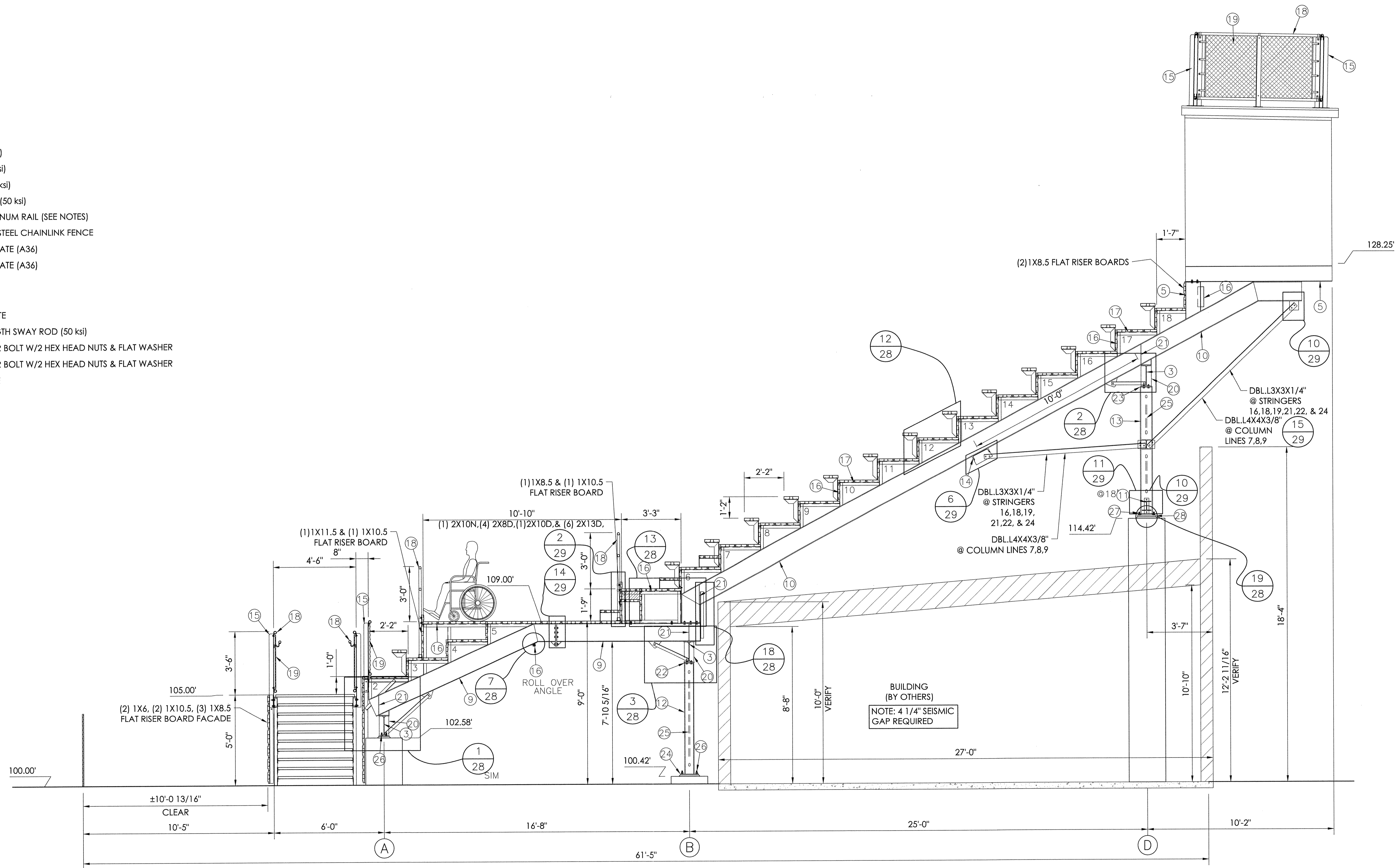


22" X 34" (11x17 = 1/2 indicated scale)

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ITEM DESCRIPTION

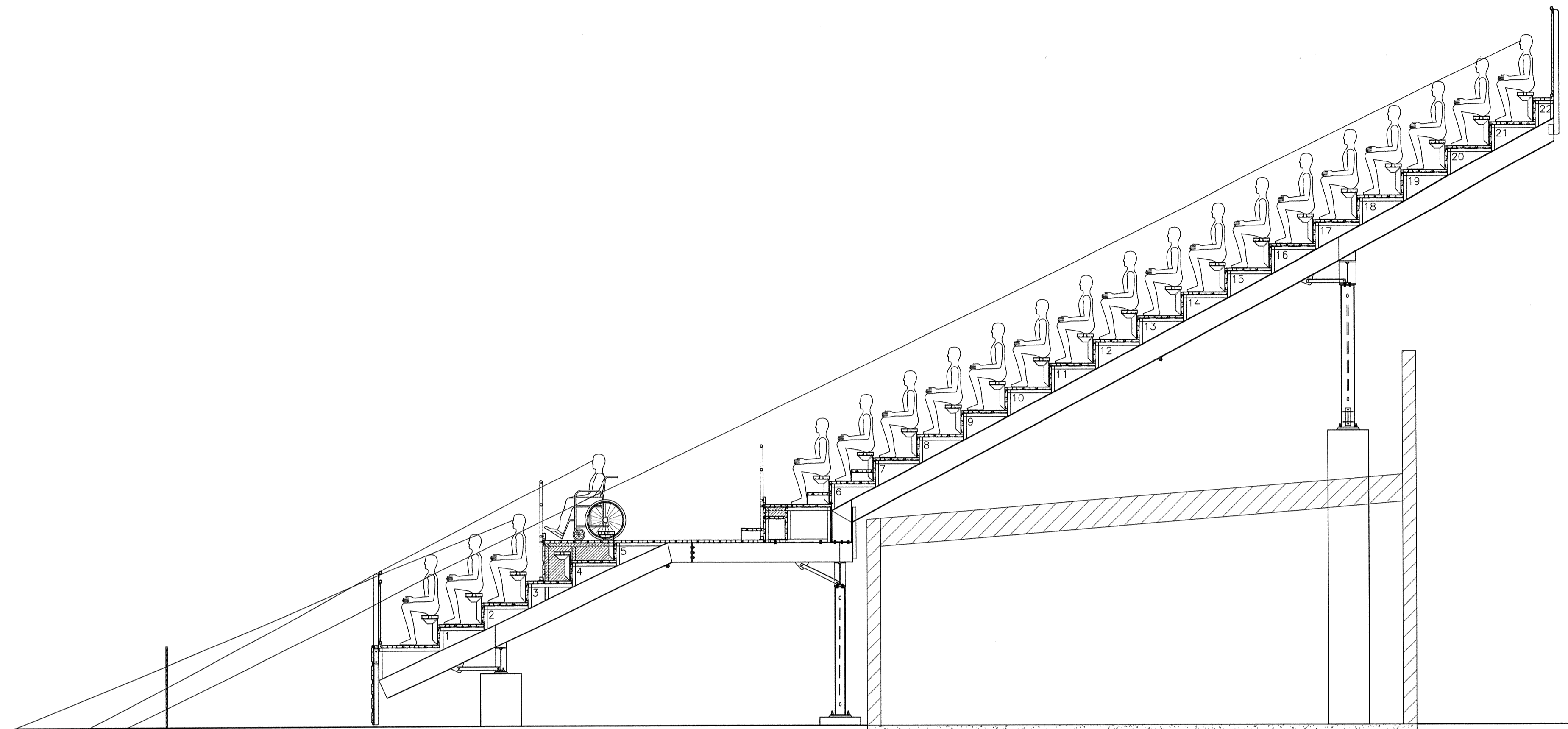
- ① W 14 X 26 (50 ksi)
- ② W 14 X 30 (50 ksi)
- ③ W 14 X 34 (50 ksi)
- ④ W 14 X 61 (50 ksi)
- ⑤ W 10 X 12 (50 ksi)
- ⑥ W 12 X 14 (50 ksi)
- ⑦ W 12 X 16 (50 ksi)
- ⑧ W 12 X 22 (50 ksi)
- ⑨ W 12 X 19 (50 ksi)
- ⑩ W 12 X 26 (50 ksi)
- ⑪ W 6 X 15 (50 ksi)
- ⑫ W 6 X 20 (50 ksi)
- ⑬ W 8 X 24 (50 ksi)
- ⑭ C 12 X 20.7 (50 ksi)
- ⑮ L 3 X 3 X 1/4 (50 ksi)
- ⑯ L 2 X 2 X 3/16 (50 ksi)
- ⑰ L 2 X 1 1/2 X 3/16 (50 ksi)
- ⑱ ANODIZED ALUMINUM RAIL (SEE NOTES)
- ⑲ 9 GAUGE GALV. STEEL CHAINLINK FENCE
- ⑳ 3 X 3/8 GUSSET PLATE (A36)
- ㉑ 2 X 1/4 GUSSET PLATE (A36)
- ㉒ 6 X 8 X 3/8 PLATE
- ㉓ 8 X 8 X 3/8 PLATE
- ㉔ 12 X 12 X 5/8 PLATE
- ㉕ 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
- ㉖ 3/4 X 18 ANCHOR BOLT W/2 HEX HEAD NUTS & FLAT WASHER
- ㉗ 7/8 X 21 ANCHOR BOLT W/2 HEX HEAD NUTS & FLAT WASHER
- ㉘ 12 X 12 X 1" PLATE



1 SECTION VIEW @ PRESS BOX
 11 SCALE: 3/8" = 1'-0"

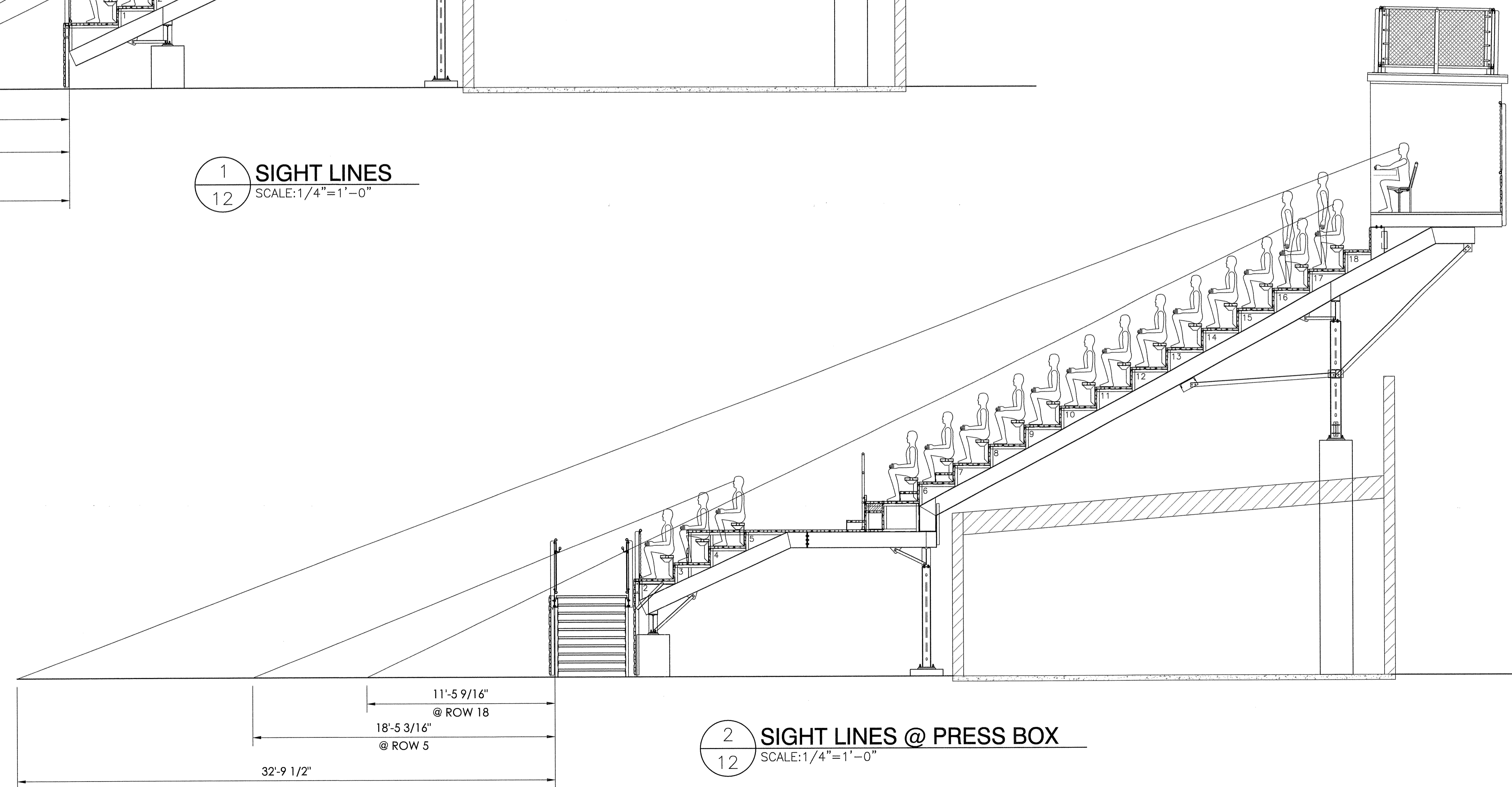
<p>1 DETAIL NUMBER</p> <p>3 110 SHEET SHOWN ON</p> <p>3 SHEET CUT FROM</p>	<p>THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF TAYLOR & JOYFAN. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE, REPRODUCTION, OR COPIING OF THIS DRAWING IS STRICTLY PROHIBITED. ANY VIOLATION WILL BE SUBJECT TO LEGAL ACTION. THIS DRAWING IS LOANED SUBJECT TO RETURN UPON DEMAND AND, IS NOT TO BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO OUR INTERESTS.</p>						
<p>STRUCTURAL ENGINEERS</p> <p>GENERAL OFFICE: 661 793-7288 661 793-7289 661 793-7290 553 S. Oak Knoll Ave. Pasadena, CA 91101 http://www.taylorjoyfan.com</p> <p>PO Box One, Graham, Texas 76450 801 Fifth Street Phone: 940/549-0733 Fax: 940/549-1345 Established 1946</p>	<p>TAYLOR & JOYFAN</p> <p>Southern BLEACHER COMPANY</p> <p>GRANDSTANDS • BLEACHERS • STADIUMS</p>						
	<p>REGISTERED PROFESSIONAL ENGINEER BRIAN T. DEAN S 6087 Exp. 06/30/19 STATE OF CALIFORNIA SENIOR MANAGING ENGINEER</p>						
<p>SECTION VIEW @ PRESS BOX 12" & 14" RTISE X 26" TREADS / 22 ROWS</p>	<p>LIBERTY UNION HIGH SCHOOL DISTRICT LIBERTY HIGH SCHOOL BRENTWOOD, CALIFORNIA</p>						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>7/11/18</td> <td>JGS</td> <td>ECM/DME</td> </tr> </tbody> </table>	DATE	BY	DESCRIPTION	7/11/18	JGS	ECM/DME	<p>10" ROW PIER ELEV. & BRACE NO CHANGE</p>
DATE	BY	DESCRIPTION					
7/11/18	JGS	ECM/DME					
<p>JOB NUMBER 18120</p>	<p>SHEET 11 OF 29</p>						

22" X 34" (11x17 = 1/2 indicated scale)



12'-4 1/2"
@ ROW 22
14'-2 9/16"
@ W/C
17'-10 1/2" @ ROW 3

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



11'-5 9/16"
@ ROW 18
18'-5 3/16"
@ ROW 5
32'-9 1/2"

2 SIGHT LINES @ PRESS BOX
SCALE: 1/4" = 1'-0"

1-10-19
DETAIL NUMBER
SHEET SHOWN ON
SHEET CUT FROM

STRUCTURAL ENGINEERS
GENERAL OFFICE
553 S. Oak Knoll Ave. Pasadena, CA 91101
Ph: 626 793-7288
Fax: 626 793-7489
http://www.taylorandjyfan.com

PO Box One, Graham, Texas 76450
801 Fifth Street,
Phone: 940/549-0733 Fax: 940/549-1365
Established 1946

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REGISTERED PROFESSIONAL ENGINEER
BRIAN T. DEAN
S 6087
Exp. 08/30/19
STRUCTURAL
STATE OF CALIFORNIA
11/02/18
SENIOR MANAGING ENGINEER

SIGHT LINES
12" & 14" RTISE X 26" TREADS / 22 ROWS
LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV	BY	DATE	DESCRIPTION	NO. CHANGE
7	JGS	7/11/18	CHANGED	NO. CHANGE
6	JGS	11/7/18	CHANGED	NO. CHANGE
5	JGS	8/17/18	CHANGED	NO. CHANGE
4	JGS	8/17/18	CHANGED	NO. CHANGE
3	JGS	8/17/18	CHANGED	NO. CHANGE
2	JGS	8/17/18	CHANGED	NO. CHANGE
1	JGS	8/17/18	CHANGED	NO. CHANGE

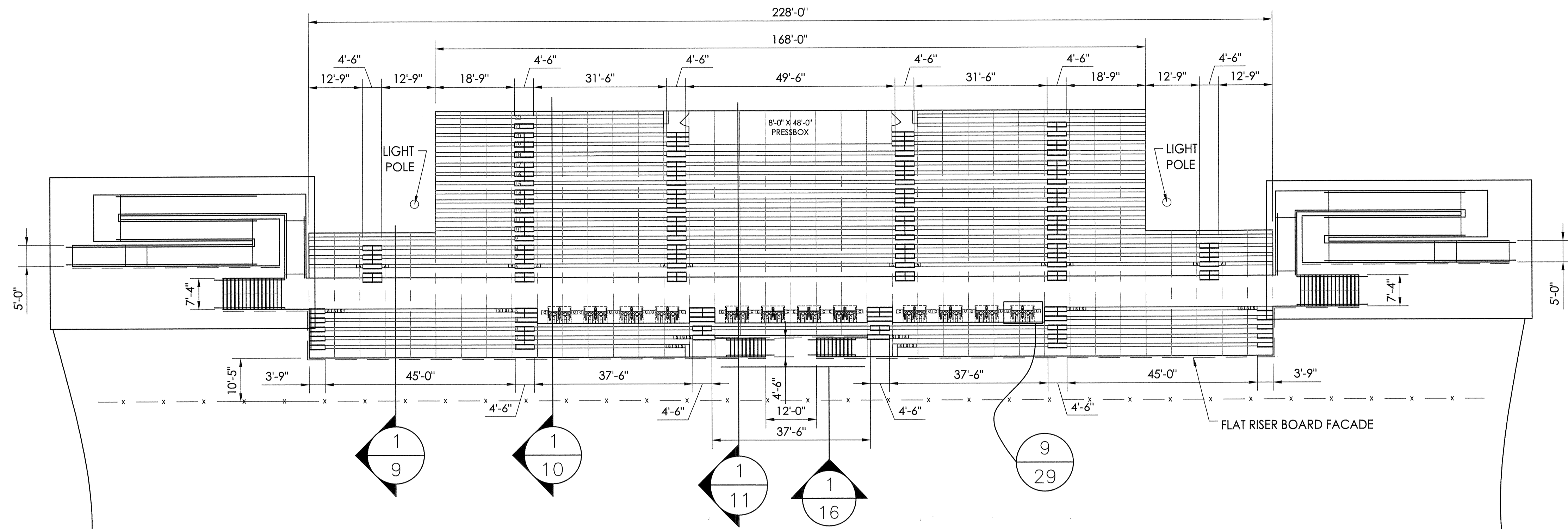
JOB NUMBER
18120

SHEET
12

OF
29

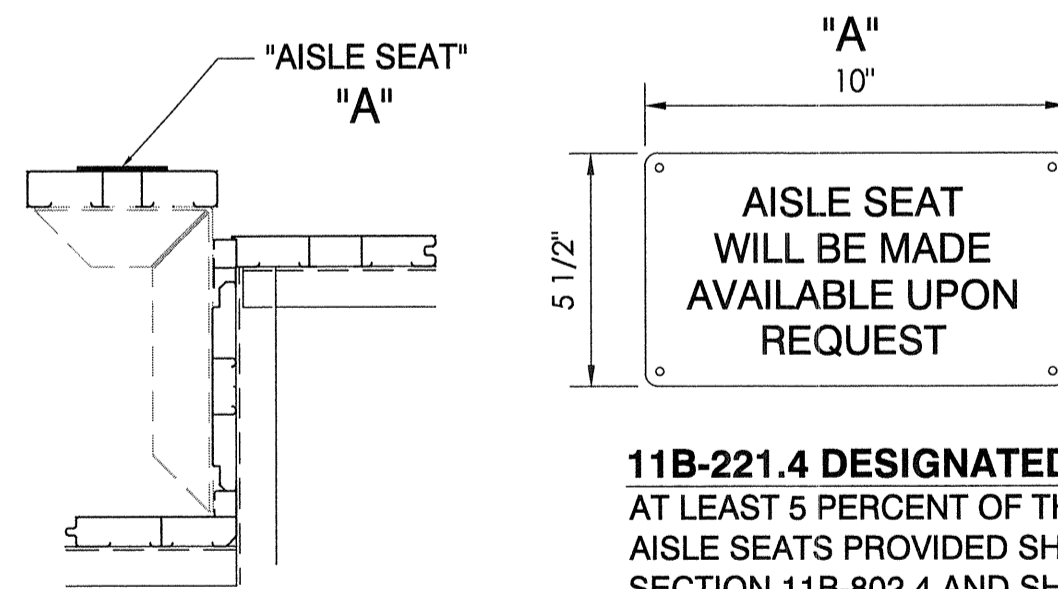
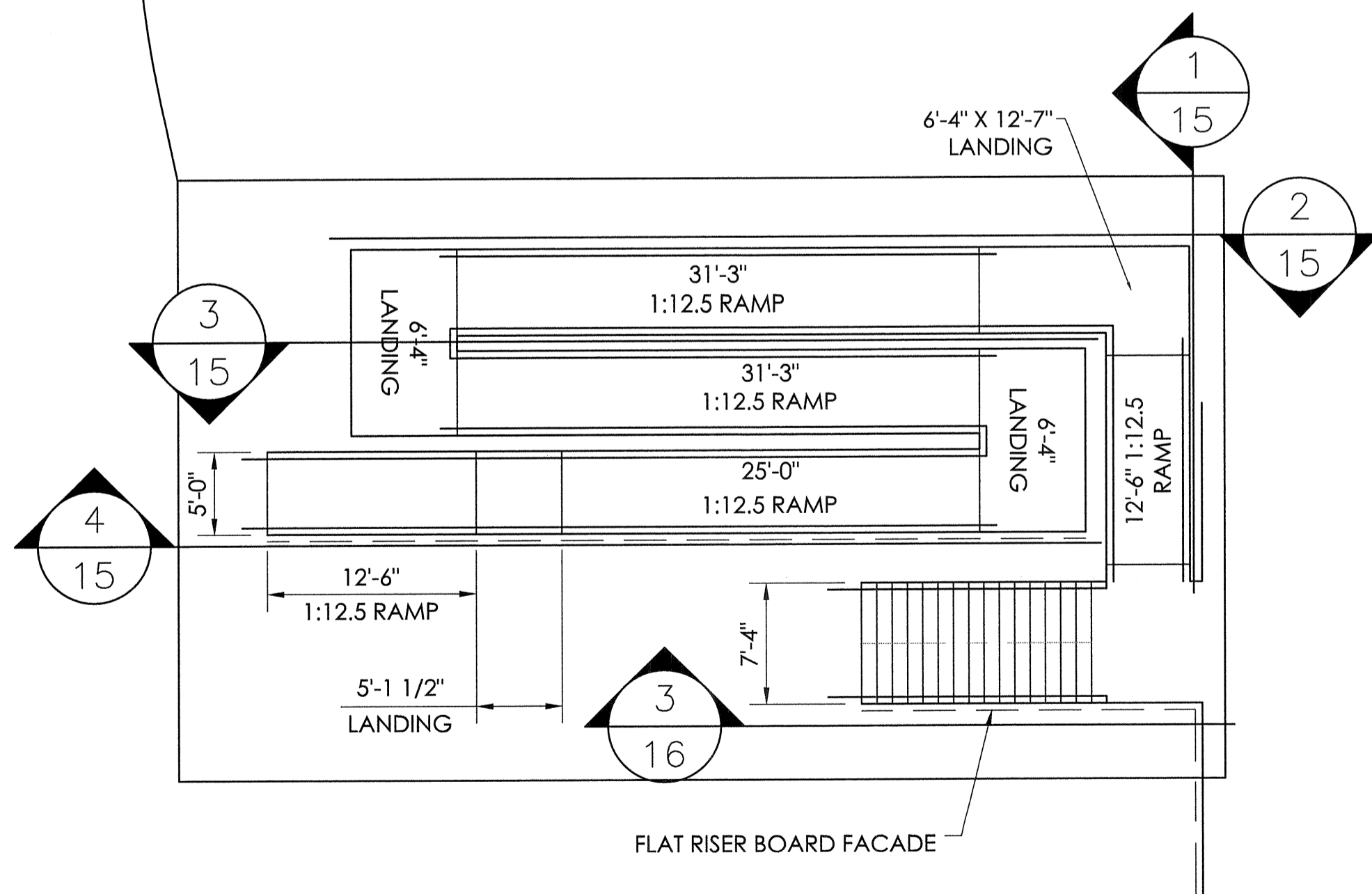
22" X 34" (11x17 = 1/2 indicated scale)





2144 TOTAL NET 18" SEATS
 24 TOTAL NET 33" WHEELCHAIR SPACES
 24 TOTAL NET 18" COMPANION SEATS = [C]
 24 TOTAL NET 18" SEMI-AMBULANT SEATS = [S]
 2216 TOTAL SEATING CAPACITY

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

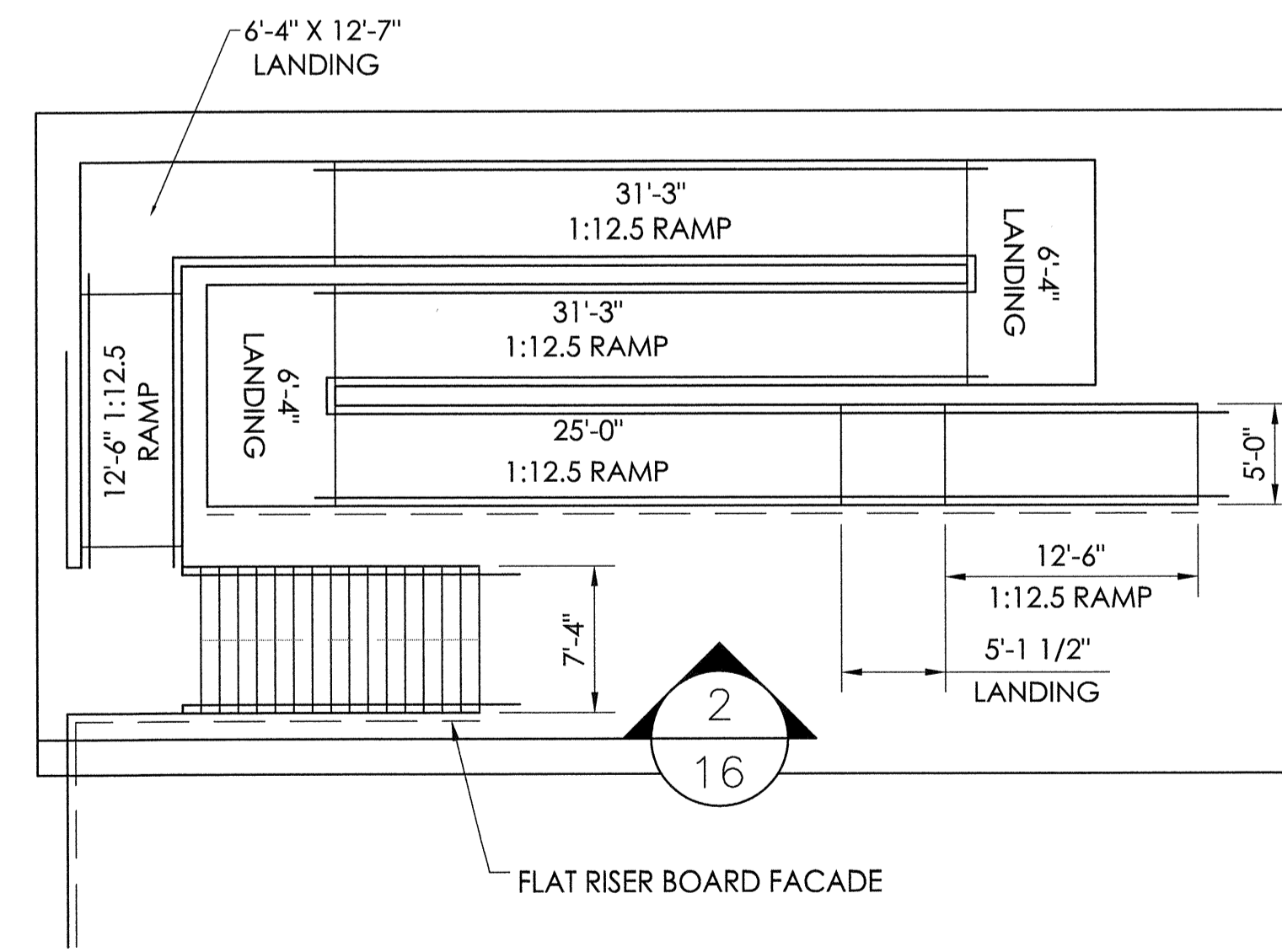


11B-221.4 DESIGNATED AISLE SEATS
 AT LEAST 5 PERCENT OF THE TOTAL NUMBER OF AISLE SEATS PROVIDED SHALL COMPLY WITH SECTION 11B-802.4 AND SHALL BE THE AISLE SEATS CLOSEST TO ACCESSIBLE ROUTES

166 TOTAL SEATS X 5% = 8.5 AISLE SEATS REQUIRED, 10 PROVIDED

[A] = AISLE SEATS

2 DESIGNATED AISLE SEATS
 NOT TO SCALE



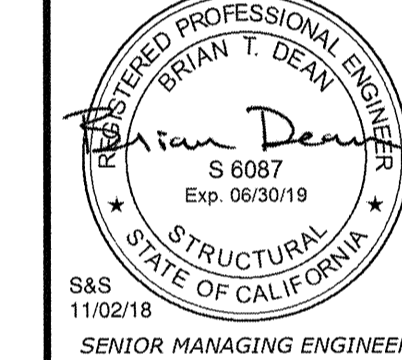
DETAIL NUMBER 1
 SHEET SHOWN ON 3
 SHEET CUT FROM 10

STRUCTURAL ENGINEERS
 GENERAL OFFICE: 626 725-7488
 626 675-5887
 553 S. Oak Knoll Ave. Pasadena, CA 91101
 http://www.taylorandjyffan.com

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SENIOR MANAGING ENGINEER

SEATING LAYOUT
 26" TREADS / 22 ROWS X 264'-0"

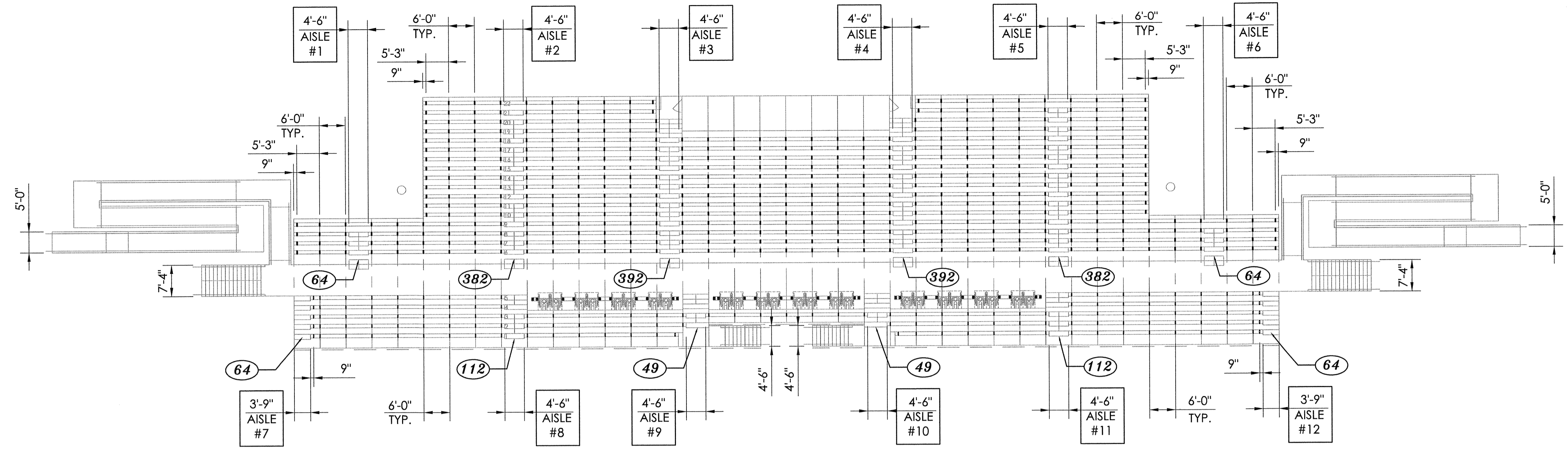
LIBERTY UNION HIGH SCHOOL DISTRICT
 LIBERTY HIGH SCHOOL
 BRENTWOOD, CALIFORNIA

DATE	BY	DATE	DESCRIPTION
7/11/18	JGS	ECM/DMc	CHECKED
			NO CHANGE
			NO CHANGE

JOB NUMBER 18120
 SHEET 13 OF 29

22" X 34" (11x17 = 1/2 indicated scale)





1 SEAT BRACKET LAYOUT
 SCALE: 1/16" = 1'-0"

- ▮ 139 "L" BRACKETS (12 X 26 JIG)
- ▮ 497 "L" BRACKETS (14 X 26 JIG)
- ▮ 30 MAVERICK BENCH LEGS

aisle ACCESSWAY:
 25" TREAD DEPTH
 CLEAR WIDTH = DEPTH (26") LESS SEAT WIDTH (9.5") = 16.5"
 21 SEATS FIRST 12" CLEAR = 21 SEATS
 0.3" EACH ADDITIONAL SEAT: 16.5"-12" / 0.3" = 15 SEATS
 MAXIMUM SEATS BETWEEN AISLES: 36 SEATS
 MAXIMUM WIDTH BETWEEN AISLES: 36 X 1.5' / SEAT = 54'-0"
 MAXIMUM ROW LENGTH = 33'-0" OK

aisle WIDTH CALCULATIONS:
AISLES #1 & #6
 REQUIRED AISLE WIDTH = 64 SEATS X .08" PER SEAT = 5.12"
 <4'-0" CODE MINIMUM <4'-6" PROVIDED - OK

AISLES #2 & #5
 REQUIRED AISLE WIDTH = 382 SEATS X 0.08" PER SEAT = 30.56"
 <4'-0" CODE MINIMUM <4'-6" PROVIDED - OK

AISLES #3 & #4
 REQUIRED AISLE WIDTH = 392 SEATS X 0.08" PER SEAT = 31.36"
 <4'-0" CODE MINIMUM <4'-6" PROVIDED - OK

AISLES #7 & #12
 REQUIRED AISLE WIDTH = 75 SEATS X 0.08" PER SEAT = 6"
 <3'-0" CODE MINIMUM <3'-9" PROVIDED - OK

AISLES #8 & #11
 REQUIRED AISLE WIDTH = 112 SEATS X 0.08" PER SEAT = 8.96"
 <4'-0" CODE MINIMUM <4'-6" PROVIDED - OK

AISLES #9 & #10
 REQUIRED AISLE WIDTH = 49 SEATS X 0.08" PER SEAT = 3.92"
 <4'-0" CODE MINIMUM <4'-6" PROVIDED - OK

EXIT WIDTH CALCULATIONS:
 STAIRS #1 & #2 @ 7'-4" = 14'-8"
 STAIRS #3 & #4 @ 4'-6" = 9'-0"
 23'-8" TOTAL STAIR EXIT WIDTH

RAMP #1 & #2 @ 5'-0" = 10'-0"
 10'-0" TOTAL RAMP EXIT WIDTH

STAIR EXIT CAPACITY = 23'-8" X 150 PEOPLE PER FOOT = 3550 STAIR EXIT CAPACITY FURNISHED
 RAMP EXIT CAPACITY = 10'-0" X 200 PEOPLE PER FOOT = 2000 RAMP EXIT CAPACITY FURNISHED
 5550 TOTAL EXIT CAPACITY (ACTUAL CAPACITY 2216)

1-11-18
 3 1/2
 DETAIL NUMBER
 SHEET SHOWN ON
 SHEET CUT FROM

STRUCTURAL ENGINEERS
 CENTRAL OFFICE
 553 S. Oak Knoll Ave. Pasadena, CA 91101
 PO Box One, Graham, Texas 76450
 801 Fifth Street
 Phone: 940/549-0733 Fax: 940/549-1365
 ESTABLISHED 1946

TAYLOR & YFAN
Southern
 BLEACHER COMPANY
 GRANDSTANDS • BLEACHERS • STADIUMS

REGISTERED PROFESSIONAL ENGINEER
 BRIAN T. DEAN
 S 6087
 Exp. 06/30/19
 STATE OF CALIFORNIA
 11/02/18
 SENIOR MANAGING ENGINEER

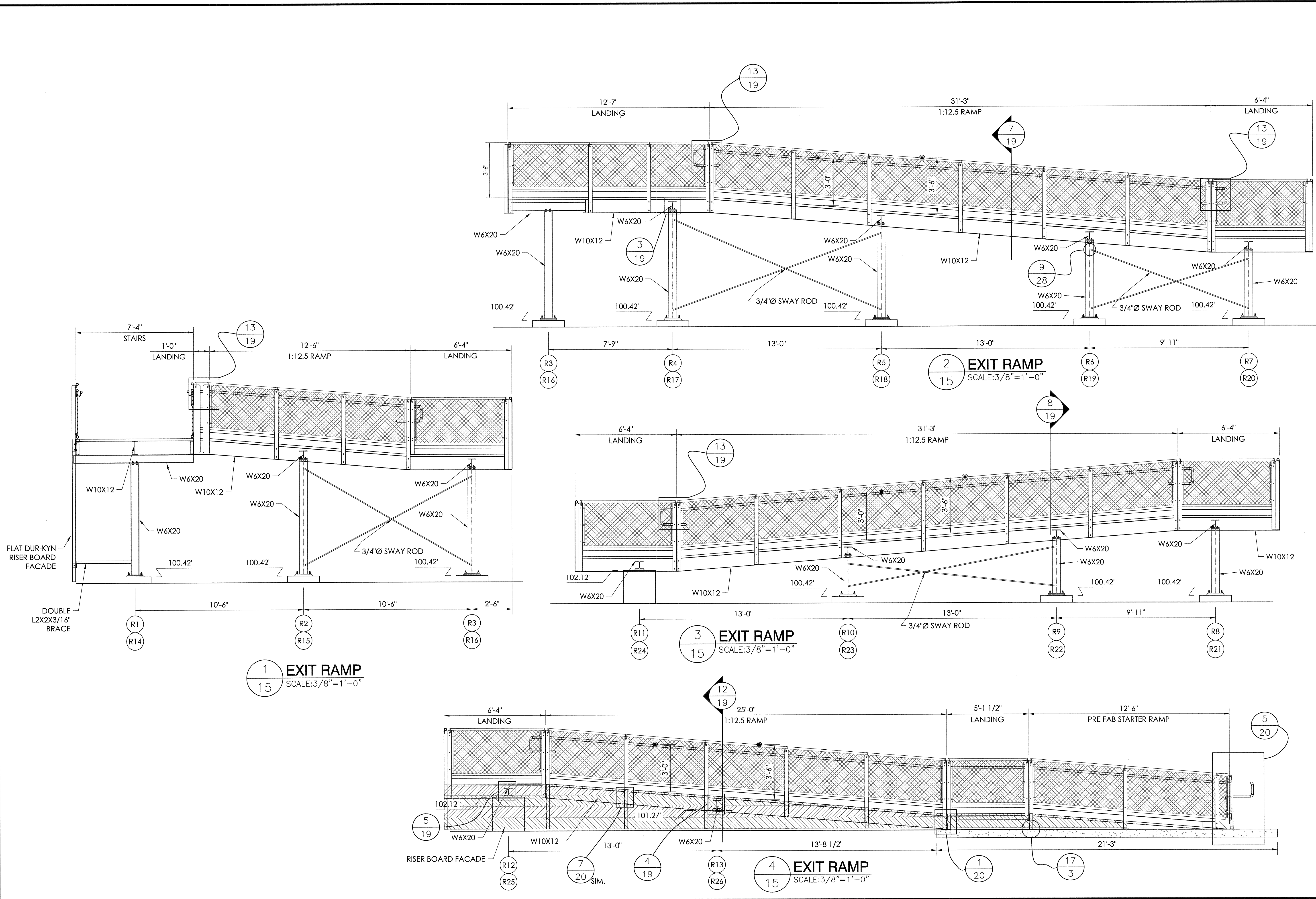
THE SEAT BRACKET LAYOUT
 26" TREADS / 22 ROWS X 264'-0"
 THE LIBERTY UNION HIGH SCHOOL DISTRICT
 LIBERTY HIGH SCHOOL
 BRENTWOOD, CALIFORNIA

DATE	DESCRIPTION	NO. CHANGE
7/11/18	JGS ECM/DM&	NO CHANGE

JOB NUMBER
18120
 SHEET
14 OF
29

22" X 34" (11x17 = 1/2 indicated scale)





TAYLOR & YFAN
 Southern BLEACHER COMPANY
 GRANDSTANDS • BLEACHERS • STADIUMS

STRUCTURAL ENGINEERS
 CENTRAL OFFICE: 621 7th St, CA 91101
 555 S. Oak Knoll Ave, CA 91101
 PO Box One, Graham, Texas 76450
 801 Fifth St, Suite 100, CA 91101
 Phone: 949/549-1365 Fax: 949/549-1365
 Established 1946

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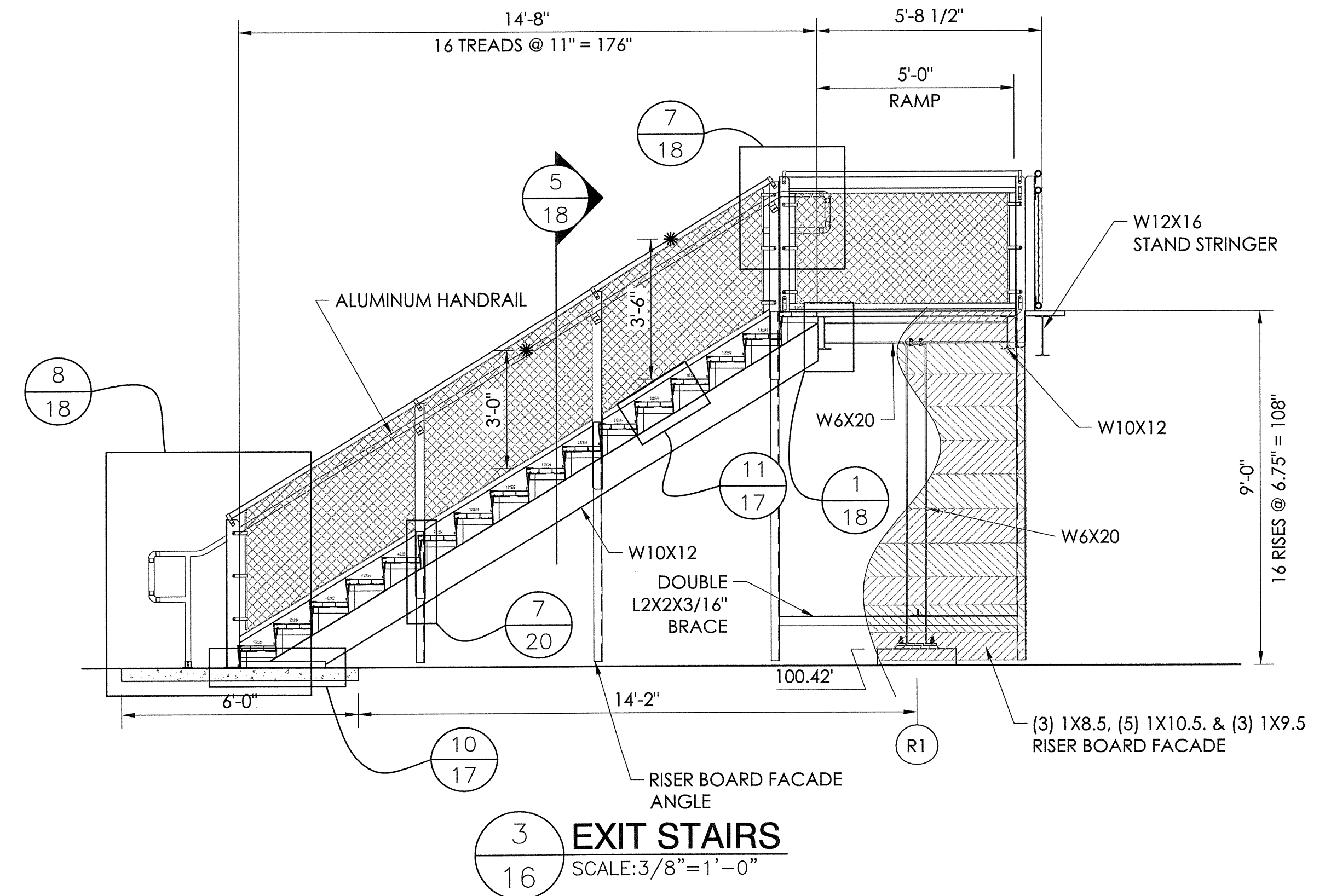
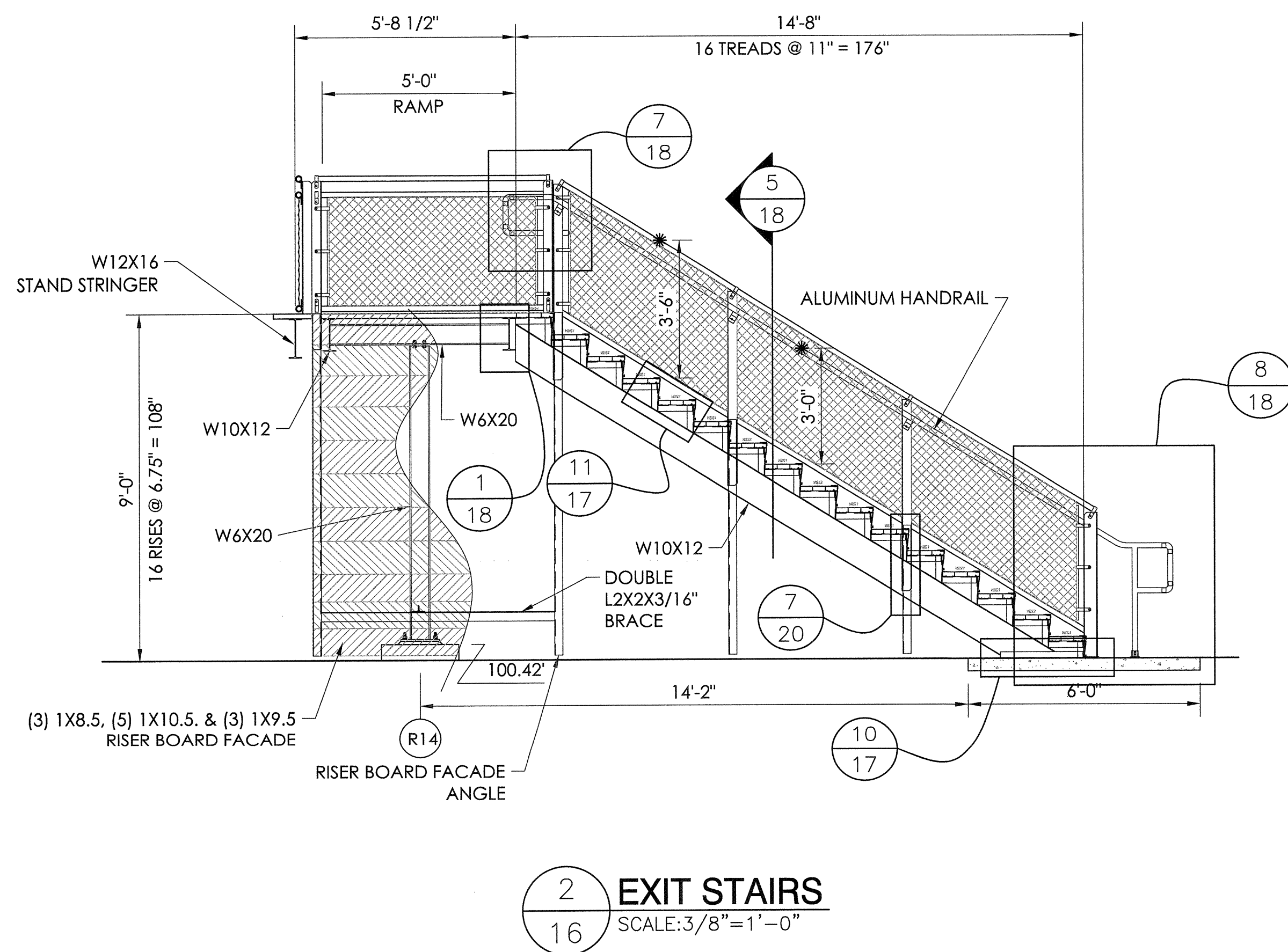
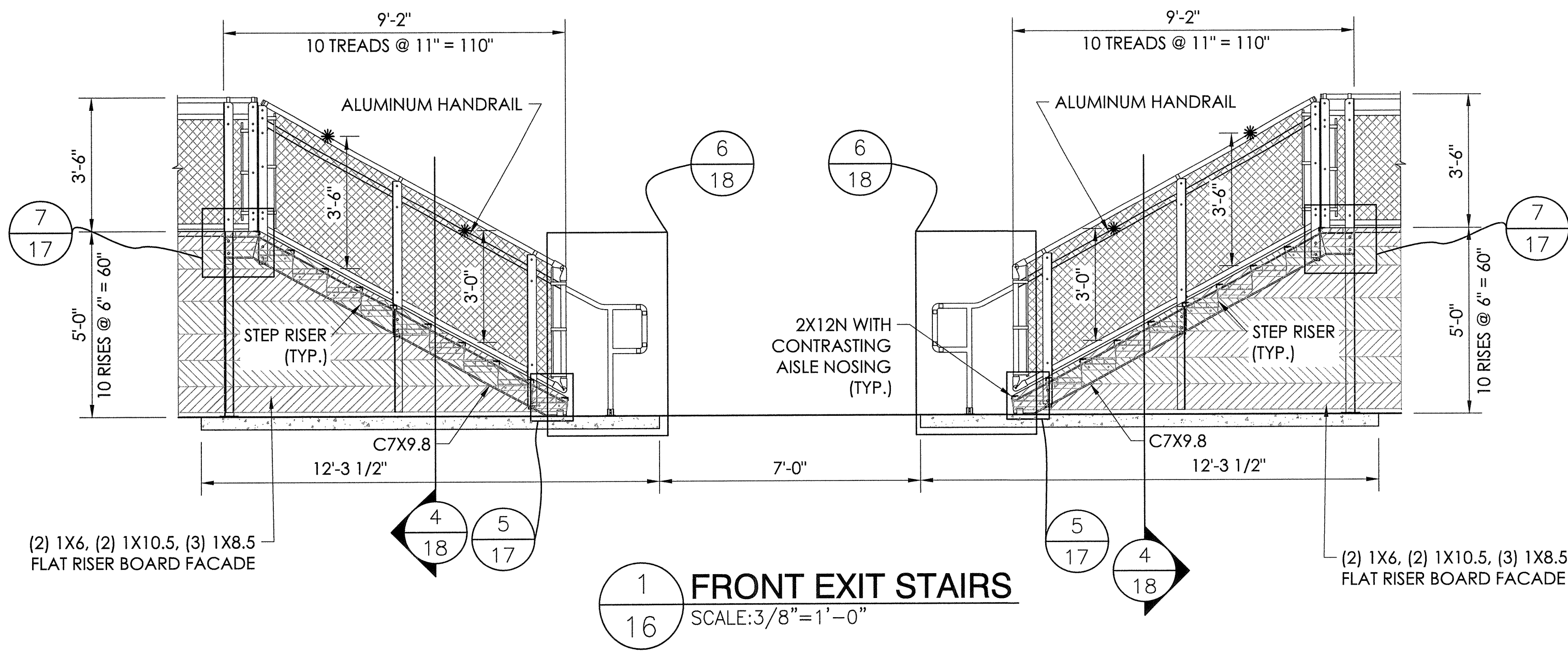
NO.	DATE	DESCRIPTION	BY	CHECKED
1	7/11/18	JGS	ECM	DMc

JOB NUMBER: **18120**
 SHEET: **15** OF **29**

LIBERTY UNION HIGH SCHOOL DISTRICT
 LIBERTY HIGH SCHOOL
 BRENTWOOD, CALIFORNIA

EXIT RAMPS

22" X 34" (11x17 = 1/2 indicated scale)



DETAIL NUMBER	1
SHEET SHOWN ON	3
SHEET CUT FROM	10

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Established 1946

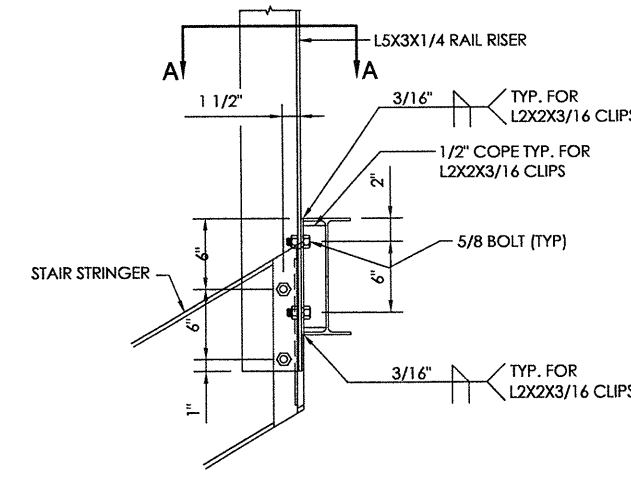
BLEACHER COMPANY
BRANDSTANDS • BLEACHERS • STADIUMS

Brian T. DeWitt
REGISTERED PROFESSIONAL ENGINEER
S 6087
Exp. 06/30/19
STRUCTURAL
STATE OF CALIFORNIA
SAS
11/02/18
SENIOR MANAGING ENGINEER

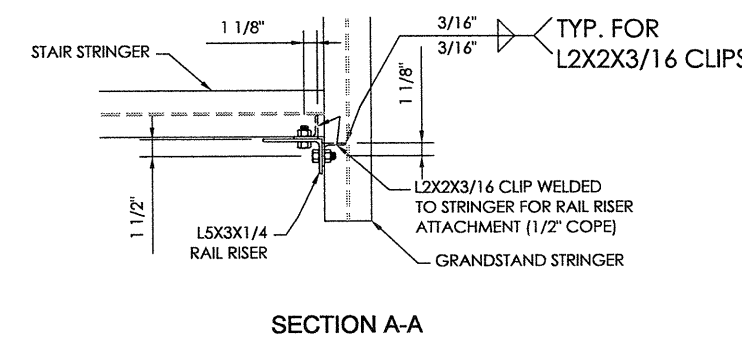
TYPE: EXIT STAIRS
TITLE: LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV	BY	DATE	DESCRIPTION	NO. CHANGE
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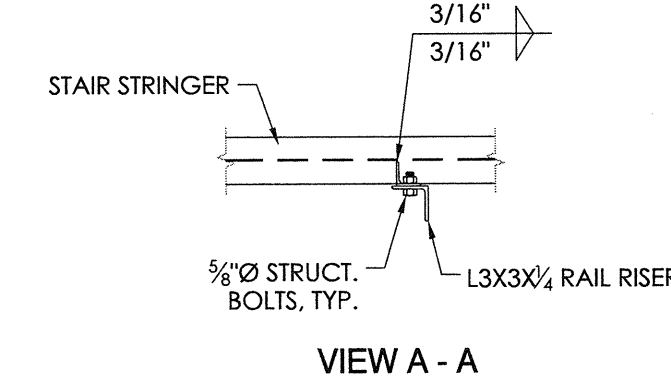
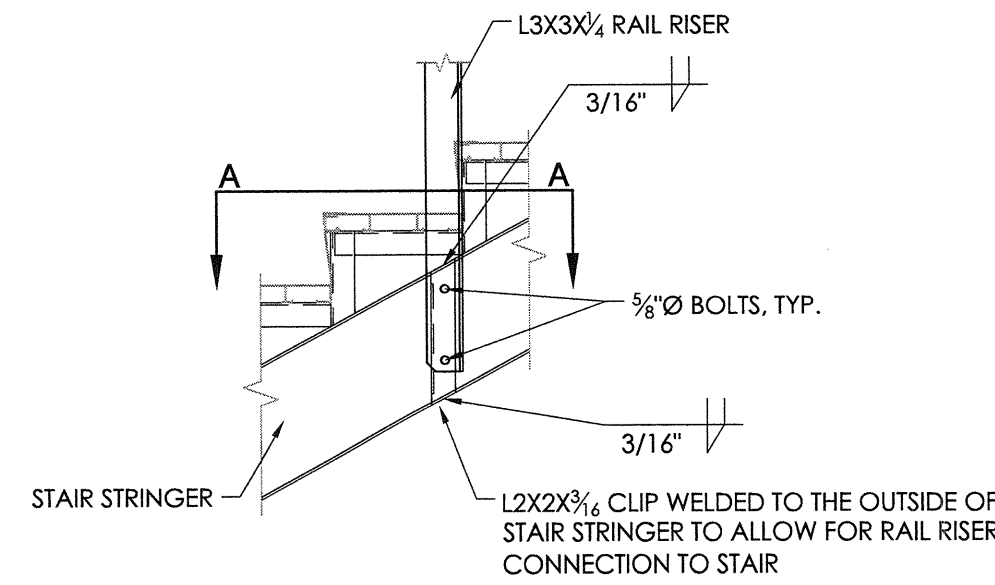
JOB NUMBER: 18120
SHEET 16 OF 29
22" X 34" (11x17 = 1/2 indicated scale)



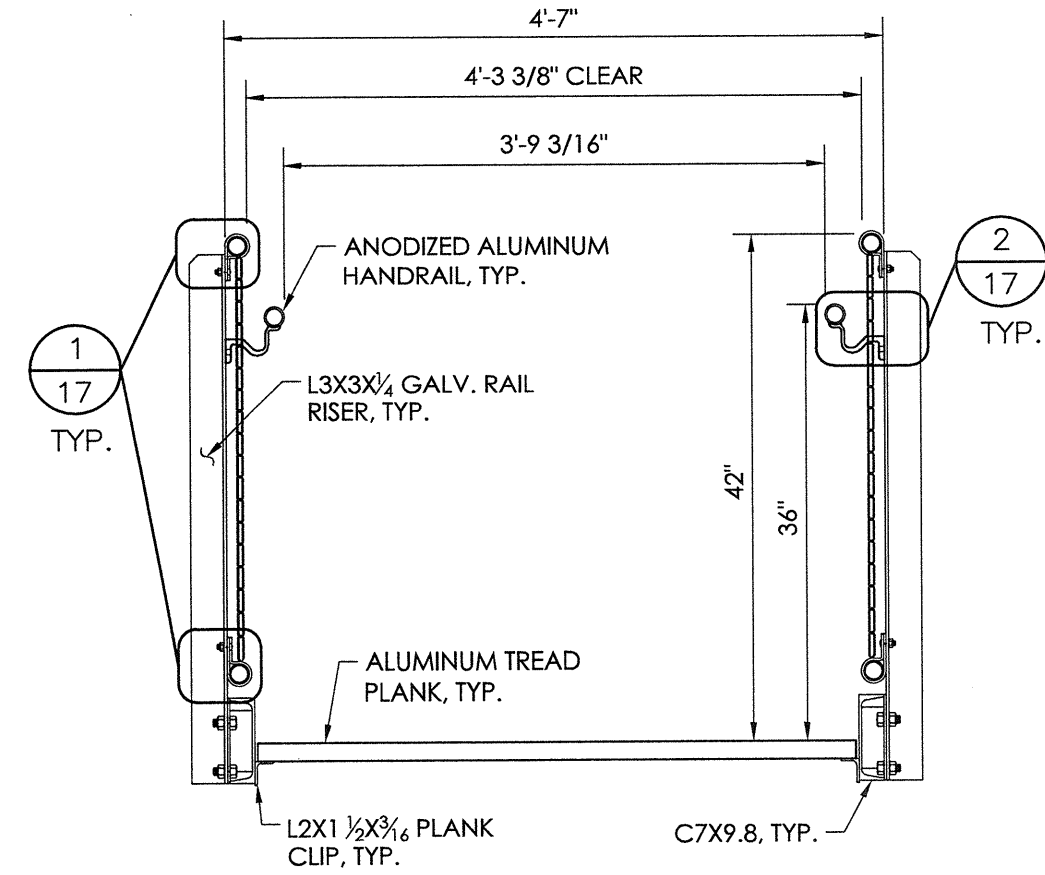
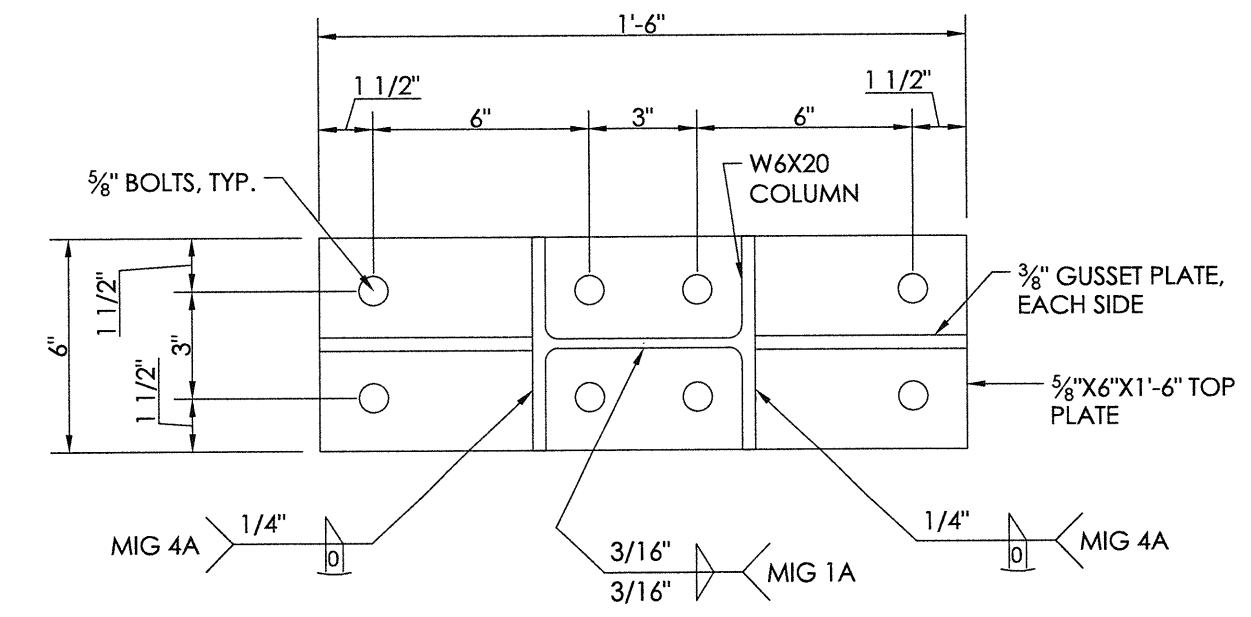
1 STAIR TO GRANDSTAND CONNECTION DETAIL
18 NOT TO SCALE



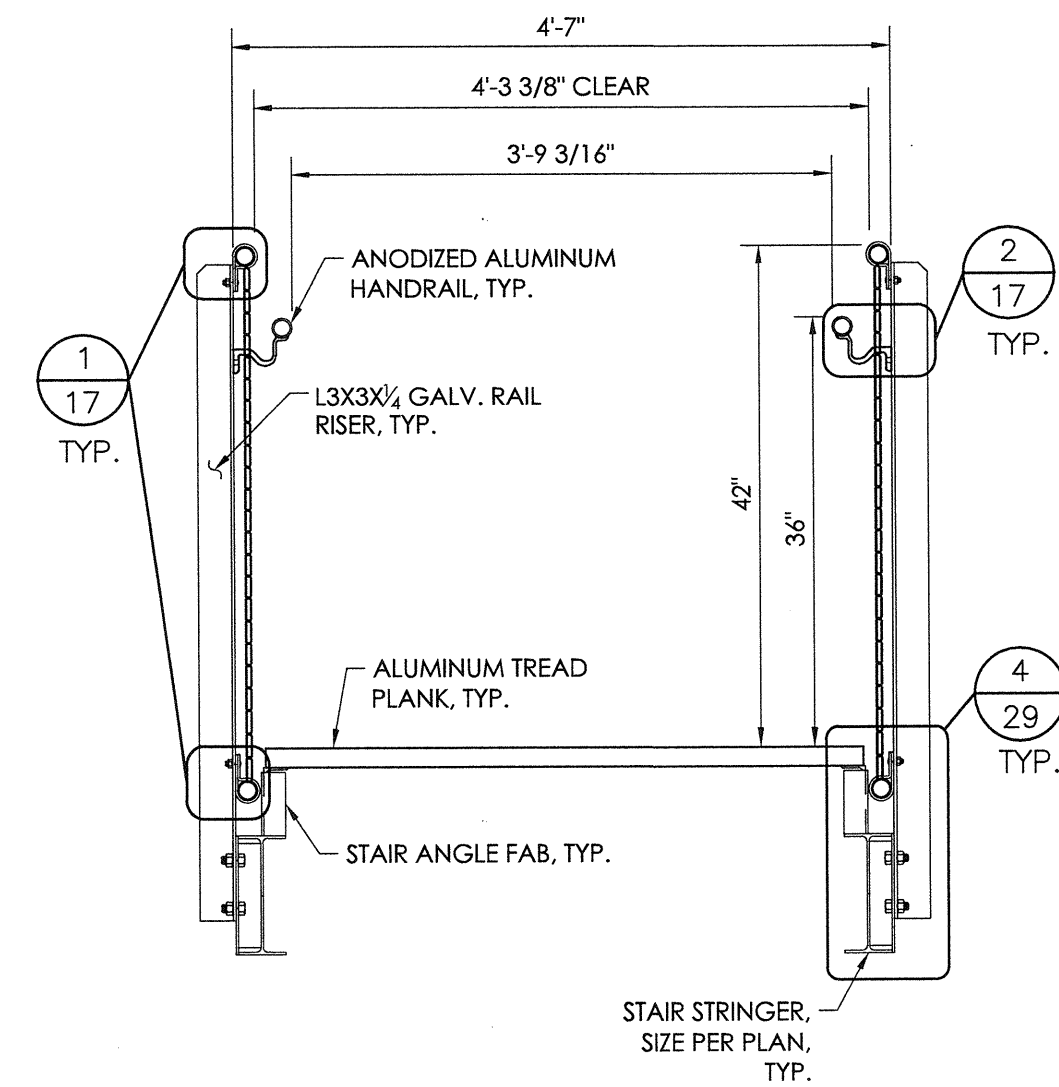
2 RAIL RISER CONNECTION DETAIL
18 NOT TO SCALE



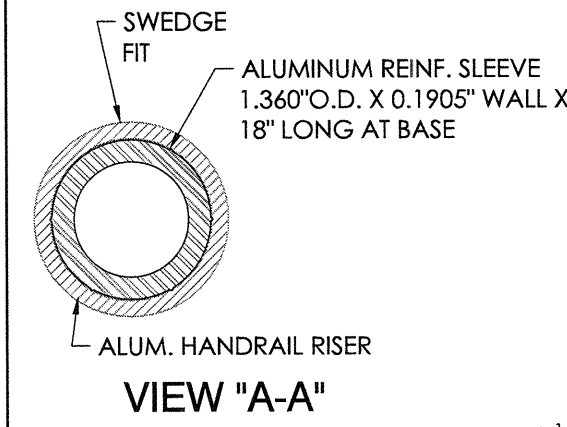
3 STAIR COLUMN CONNECTION DETAIL
18 NOT TO SCALE



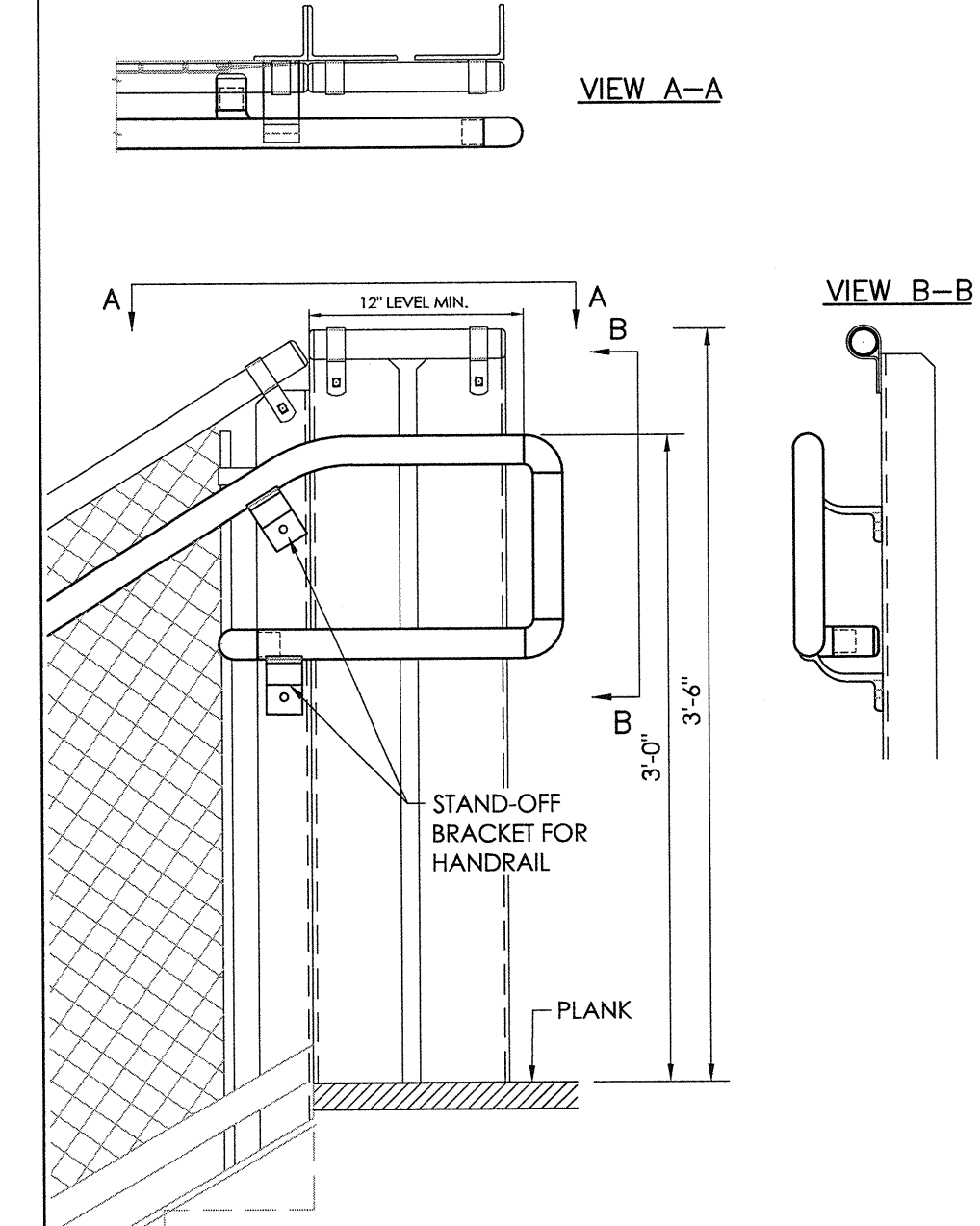
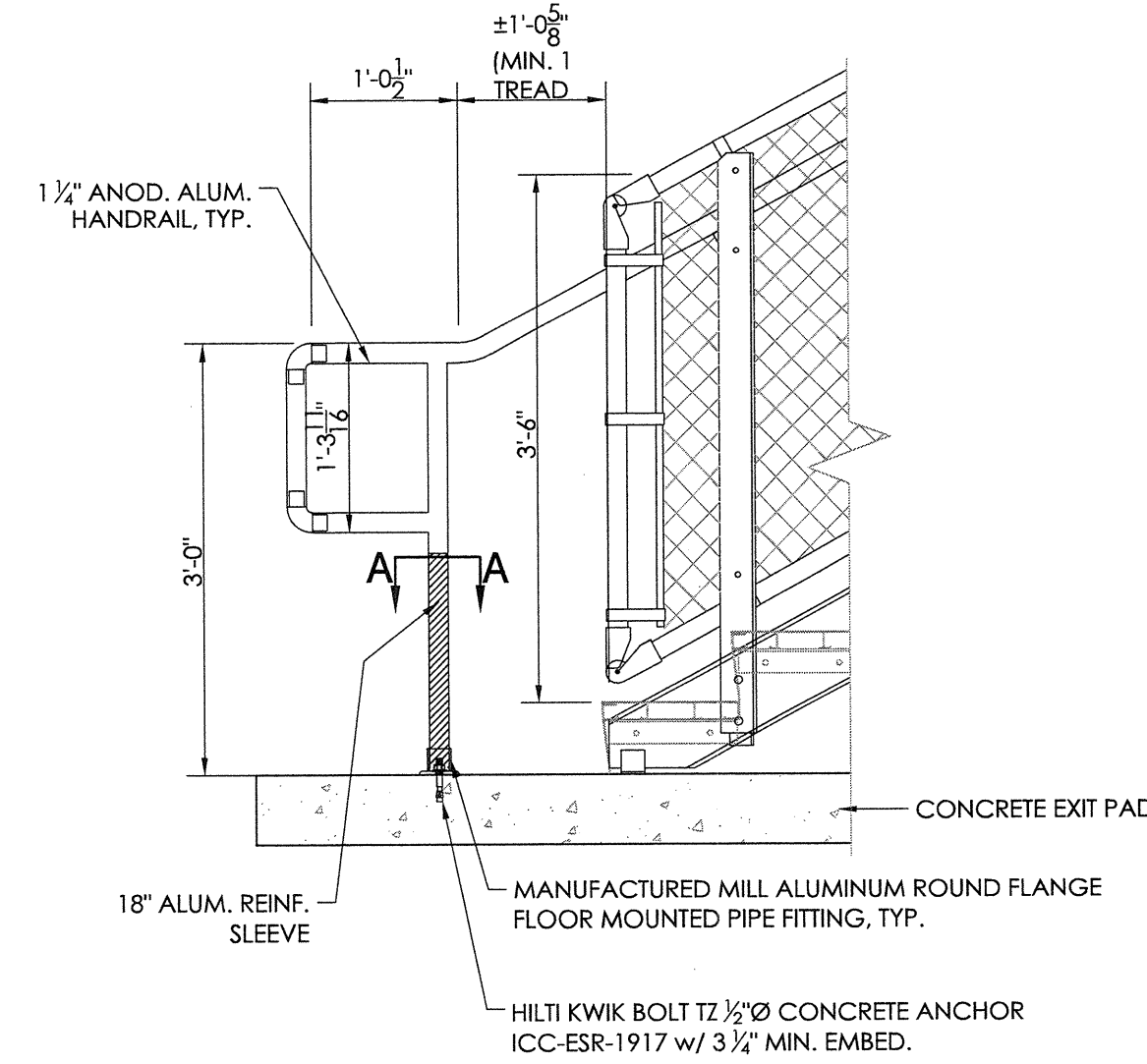
4 EXIT STEP SECTION
18 NOT TO SCALE



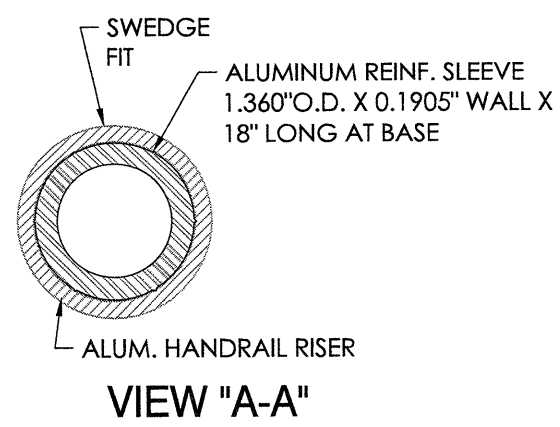
5 EXIT STEP SECTION
18 NOT TO SCALE



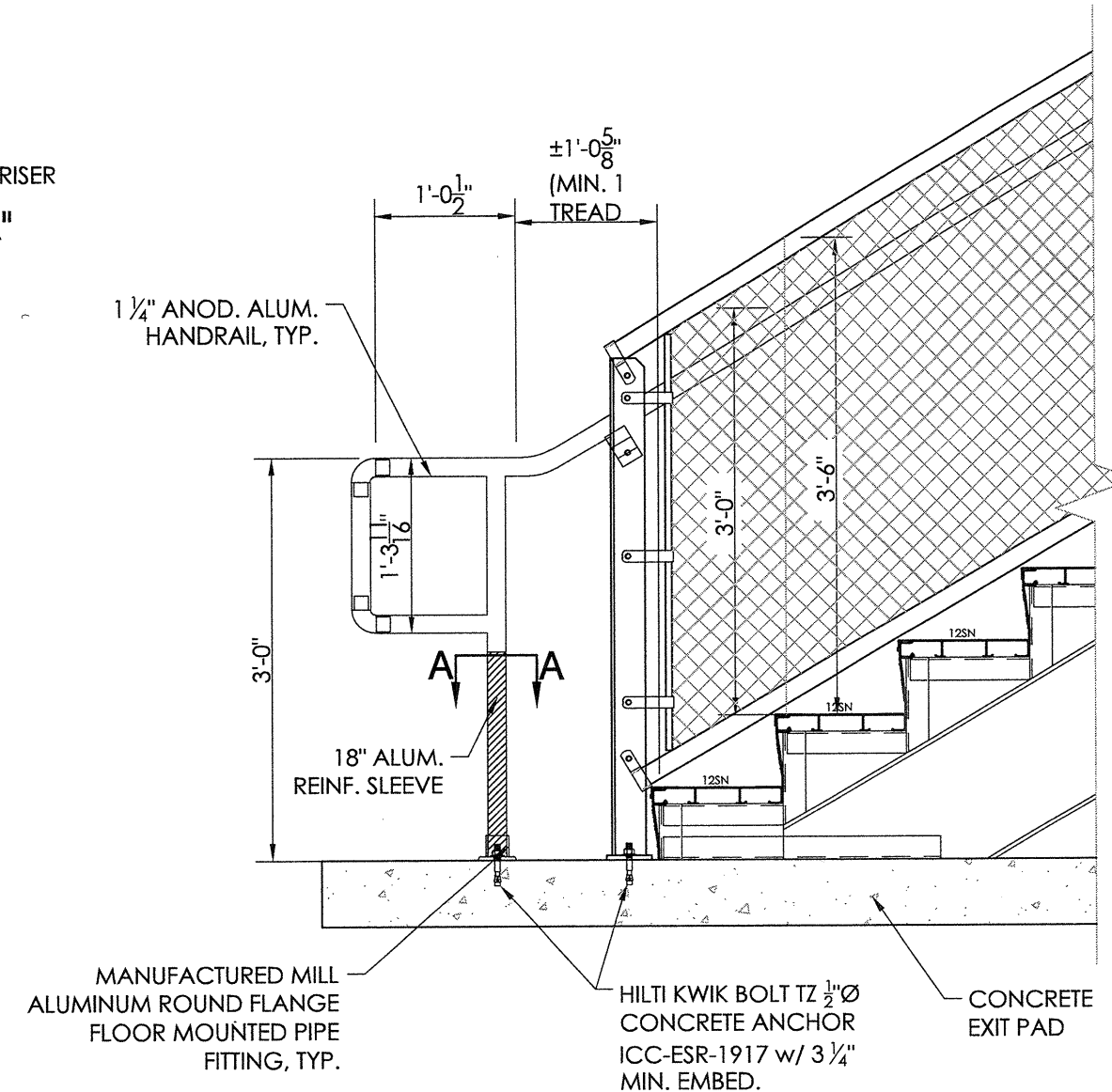
6 HANDRAIL CONNECTION DETAIL @ STAIR
18 NOT TO SCALE



7 STAIR HANDRAIL TERMINATION DETAIL
18 NOT TO SCALE



8 HANDRAIL CONNECTION DETAIL @ STAIR
18 NOT TO SCALE



1-DETAIL NUMBER
2-SHEET SHOWN ON
3-SHEET CUT FROM

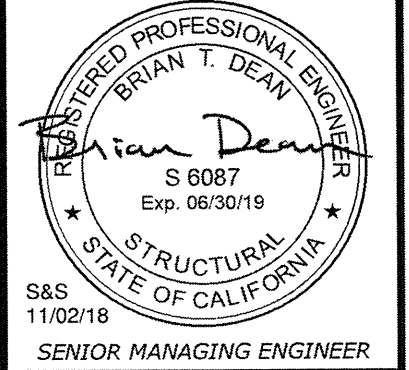
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Southern
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FOR GRANDSTANDS • BLEACHERS • STADIUMS
Established 1946



888 11/02/18
SENIOR MANAGING ENGINEER

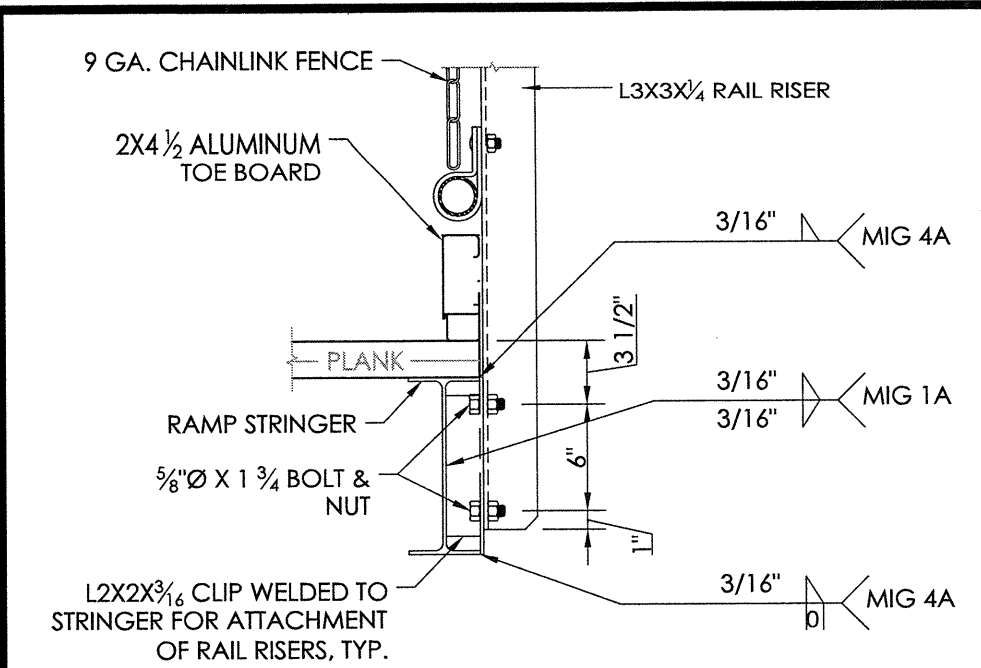
EXIT DETAILS
LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV	BY	DATE	DESCRIPTION
1	JGS	7/11/18	NO CHANGE
2	JGS	11/27/18	NO CHANGE
3	JGS	07/27/18	NO CHANGE

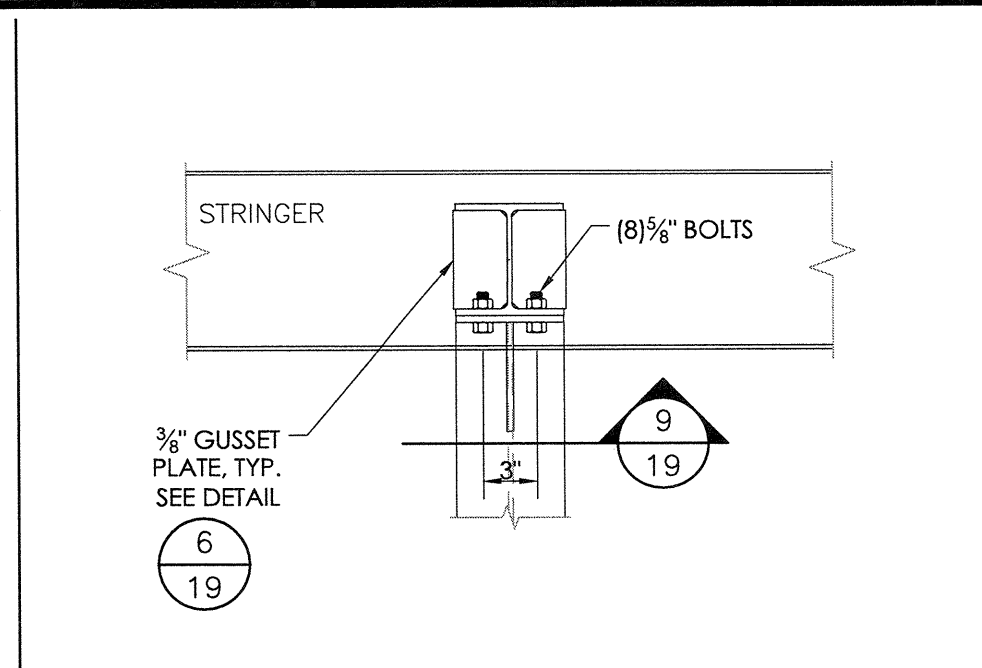
JOB NUMBER
18120
SHEET
18 OF
29

22" X 34" (1/2" indicated scale)

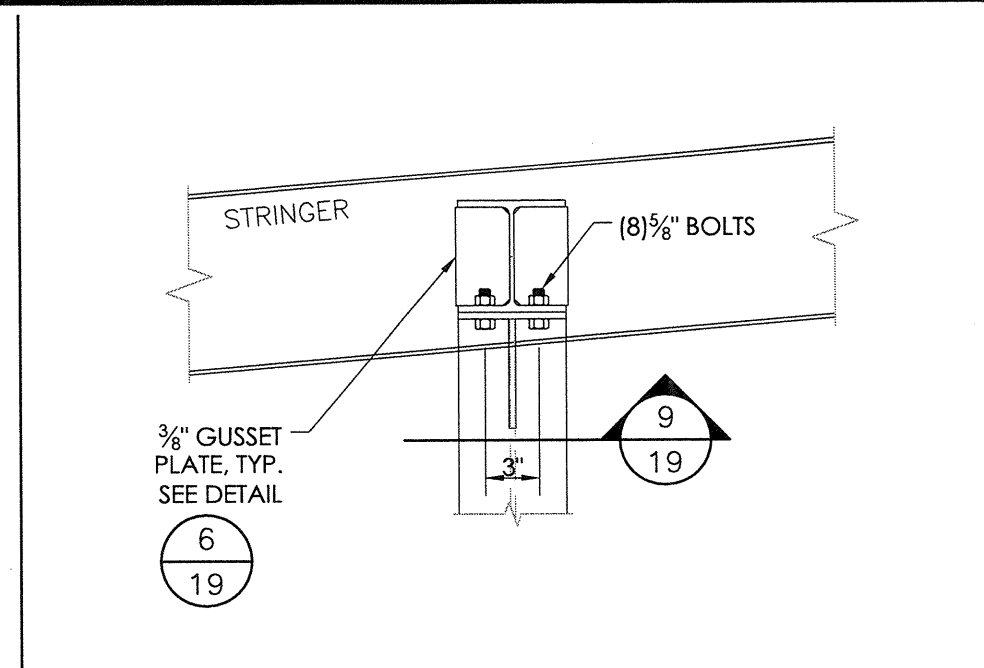




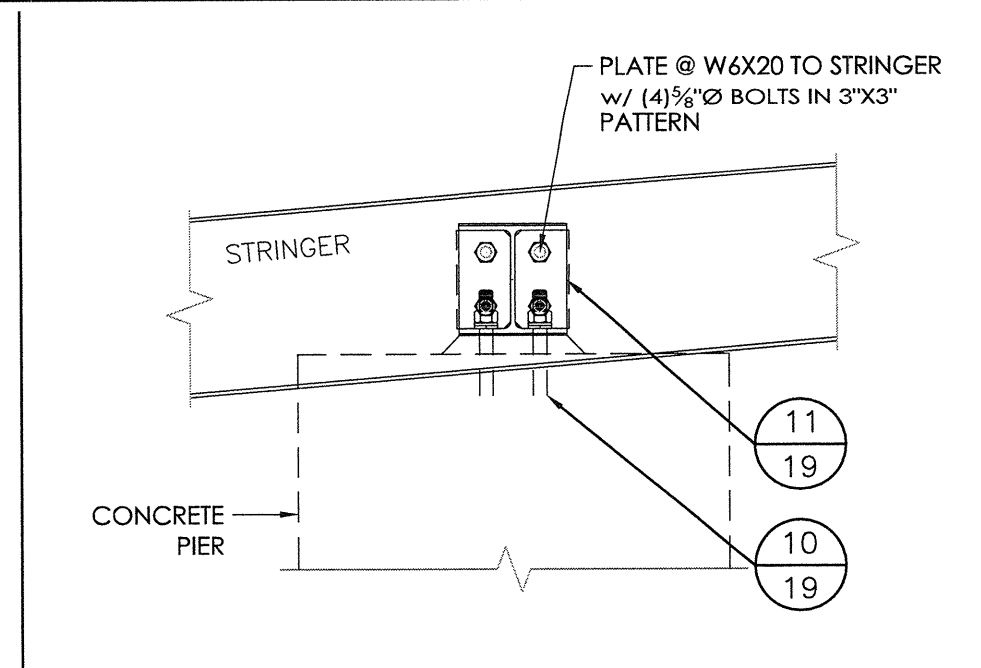
1 RAIL RISER ATTACHMENT DETAIL
NOT TO SCALE



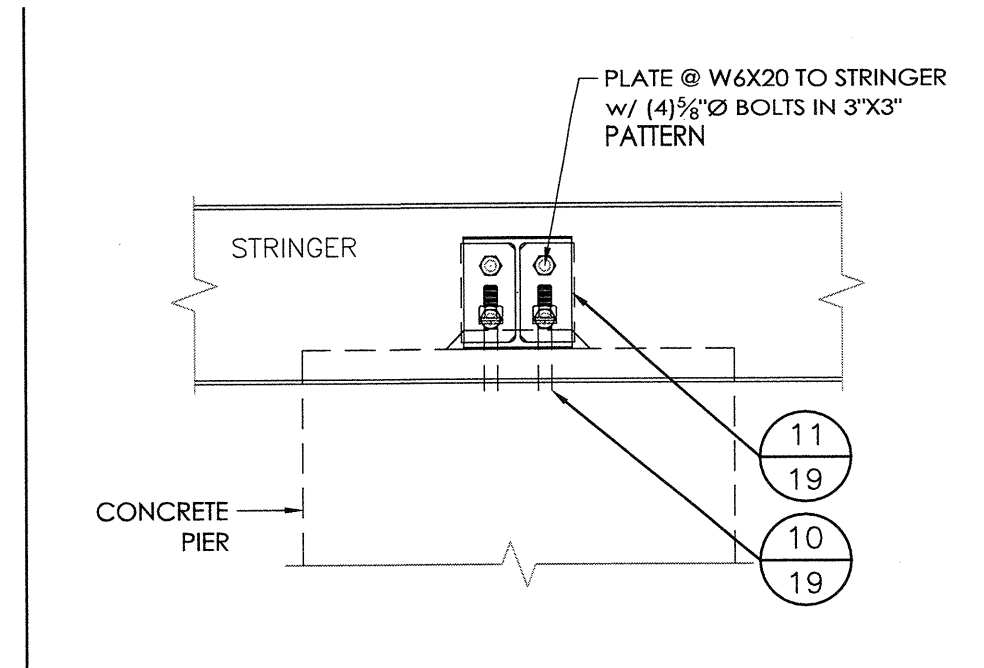
2 COLUMN @ RAMP
NOT TO SCALE



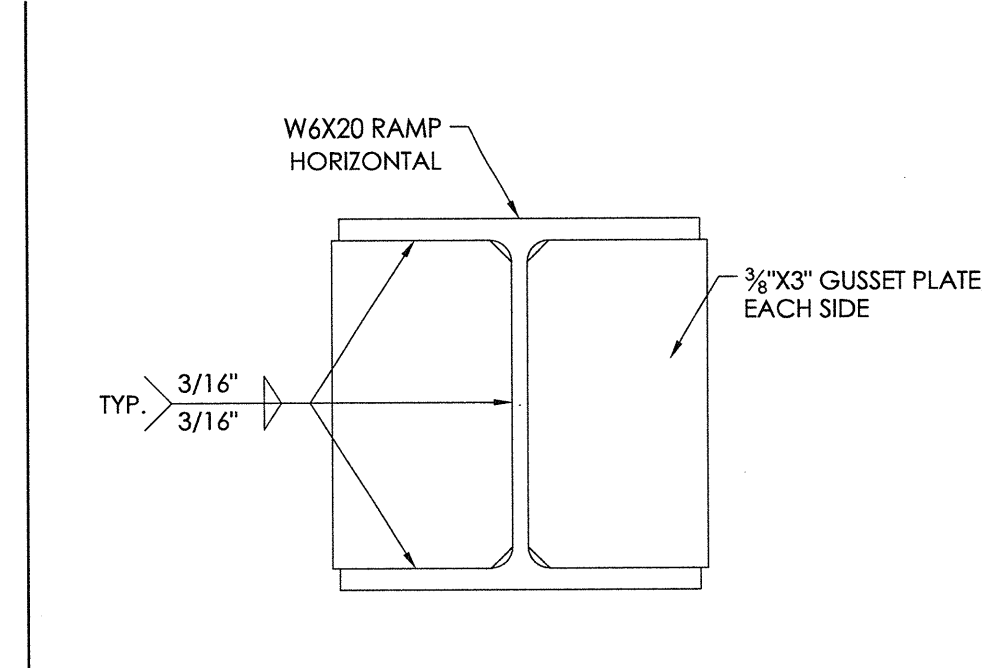
3 COLUMN @ RAMP
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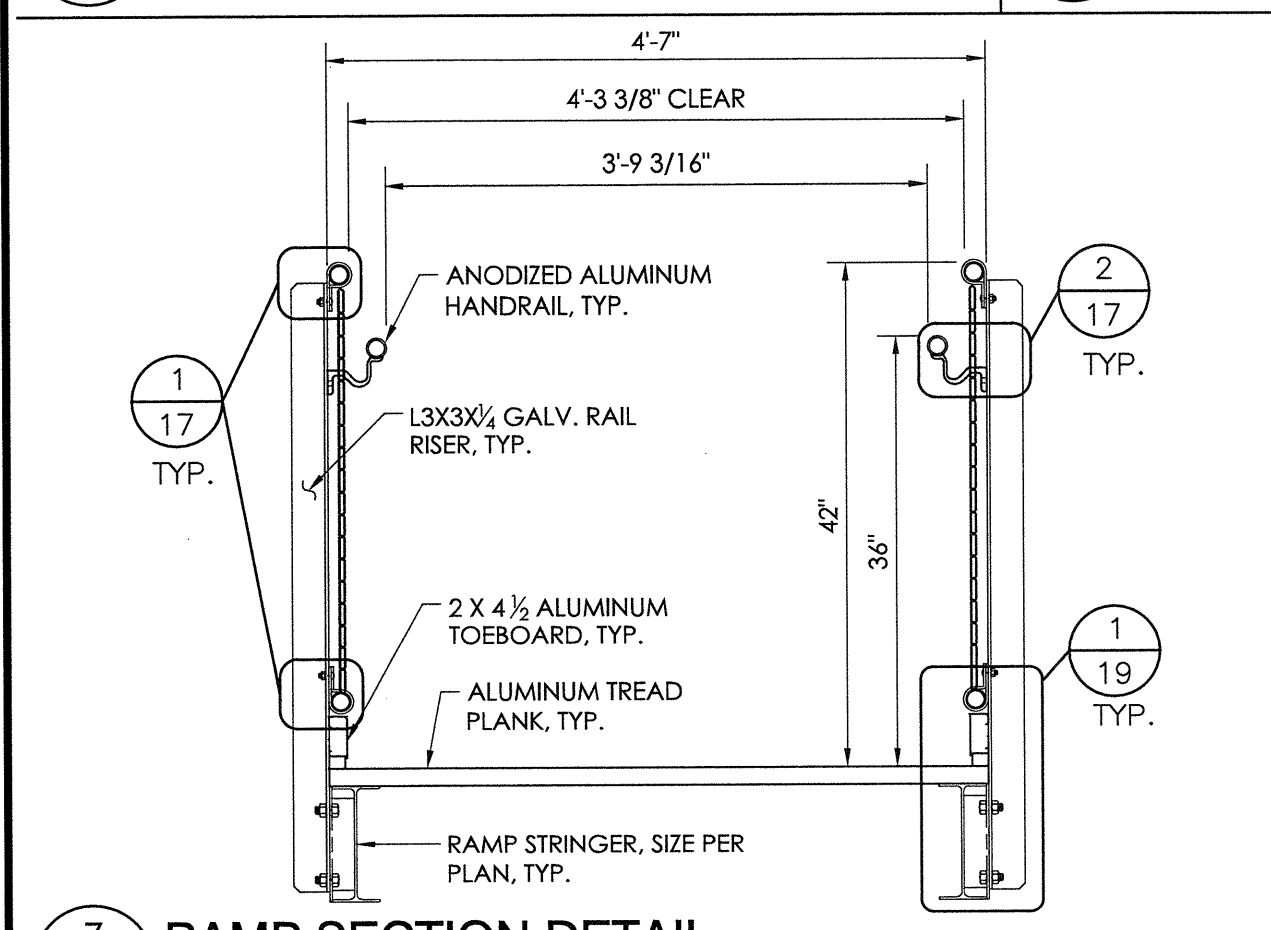
4 RAMP BEAM DETAIL @ STRINGER
NOT TO SCALE



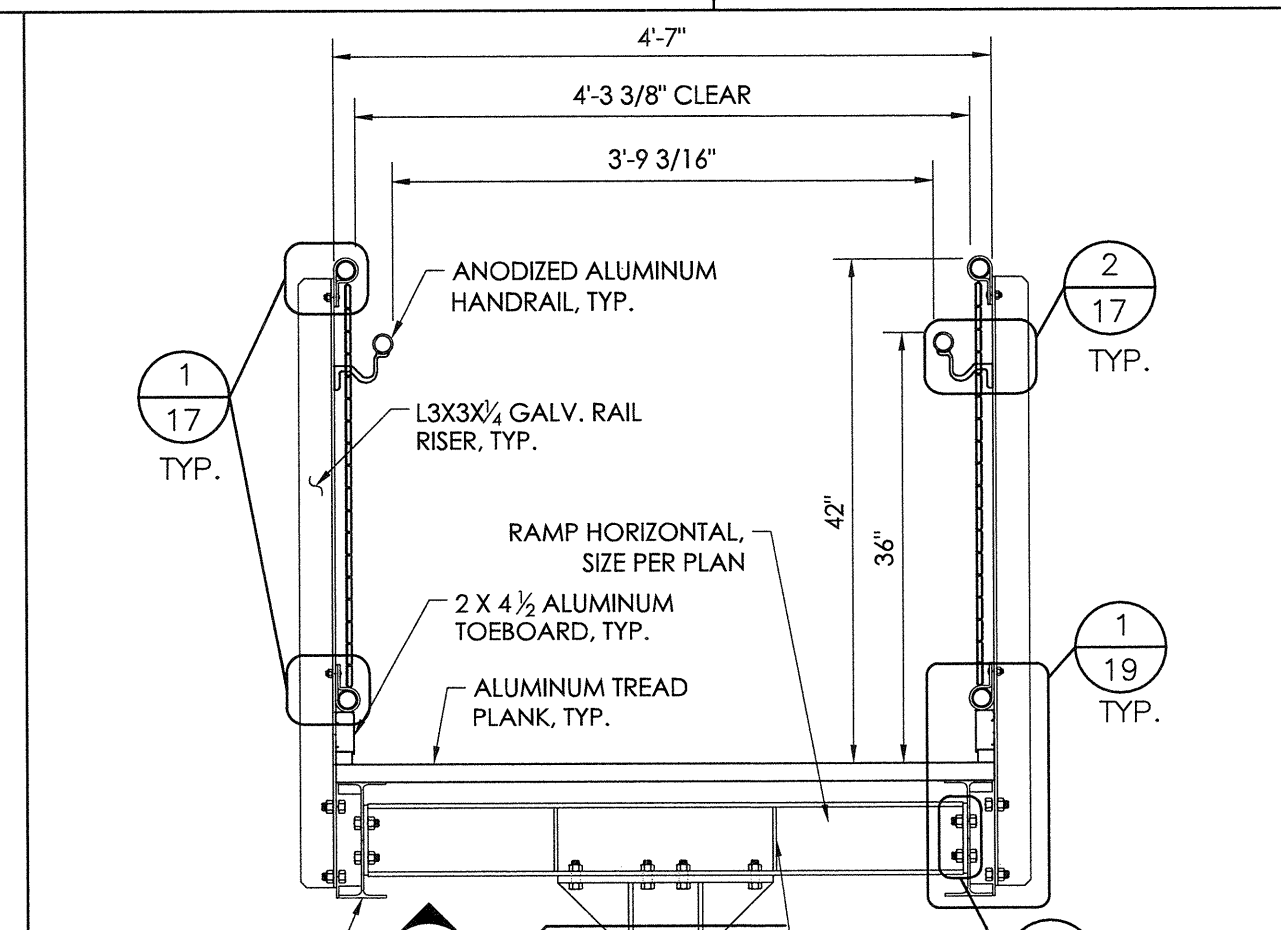
5 RAMP BEAM DETAIL @ STRINGER
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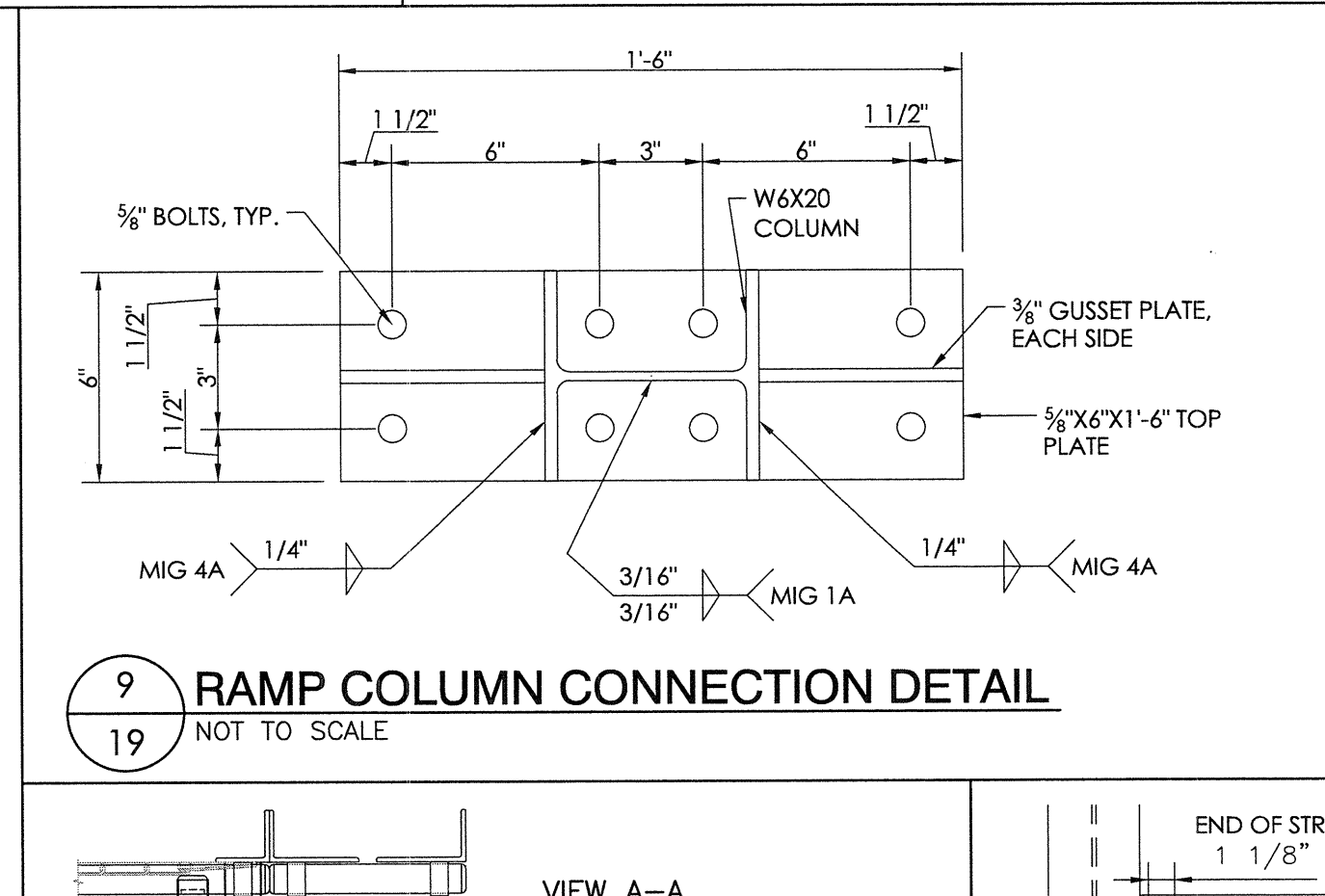
6 GUSSET PLATE DETAIL
NOT TO SCALE



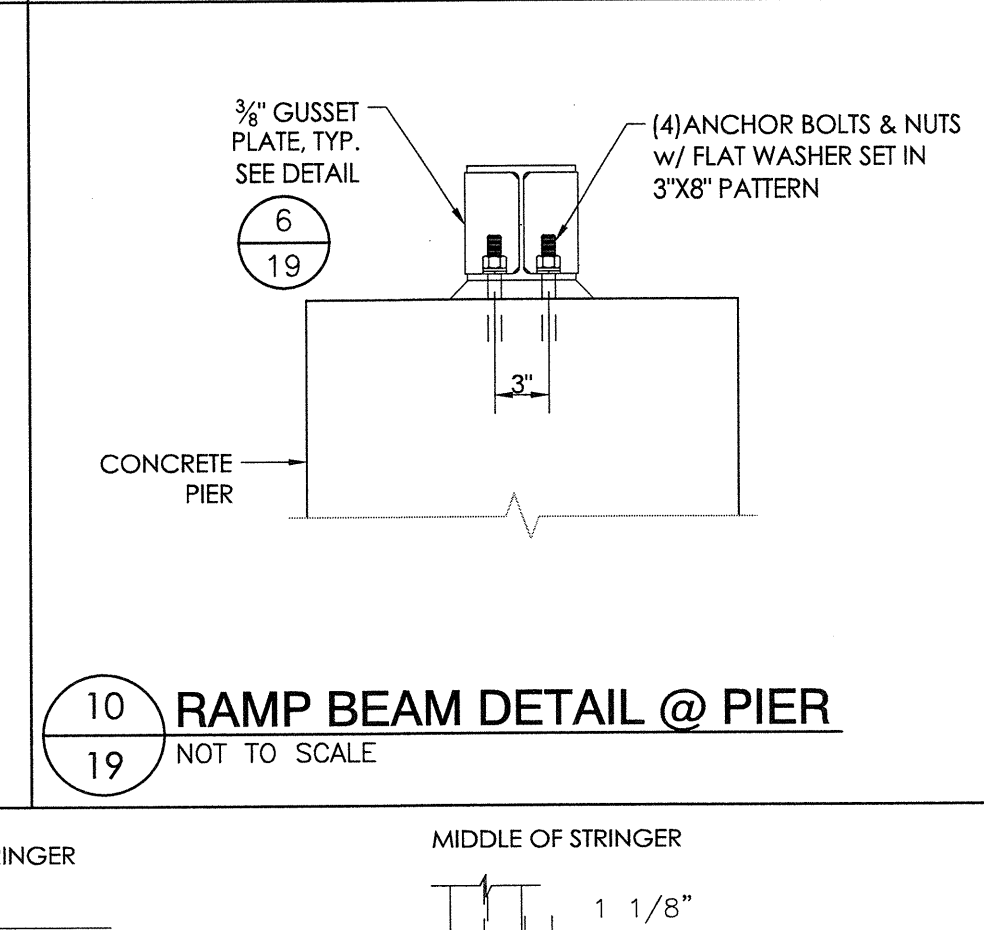
7 RAMP SECTION DETAIL
NOT TO SCALE



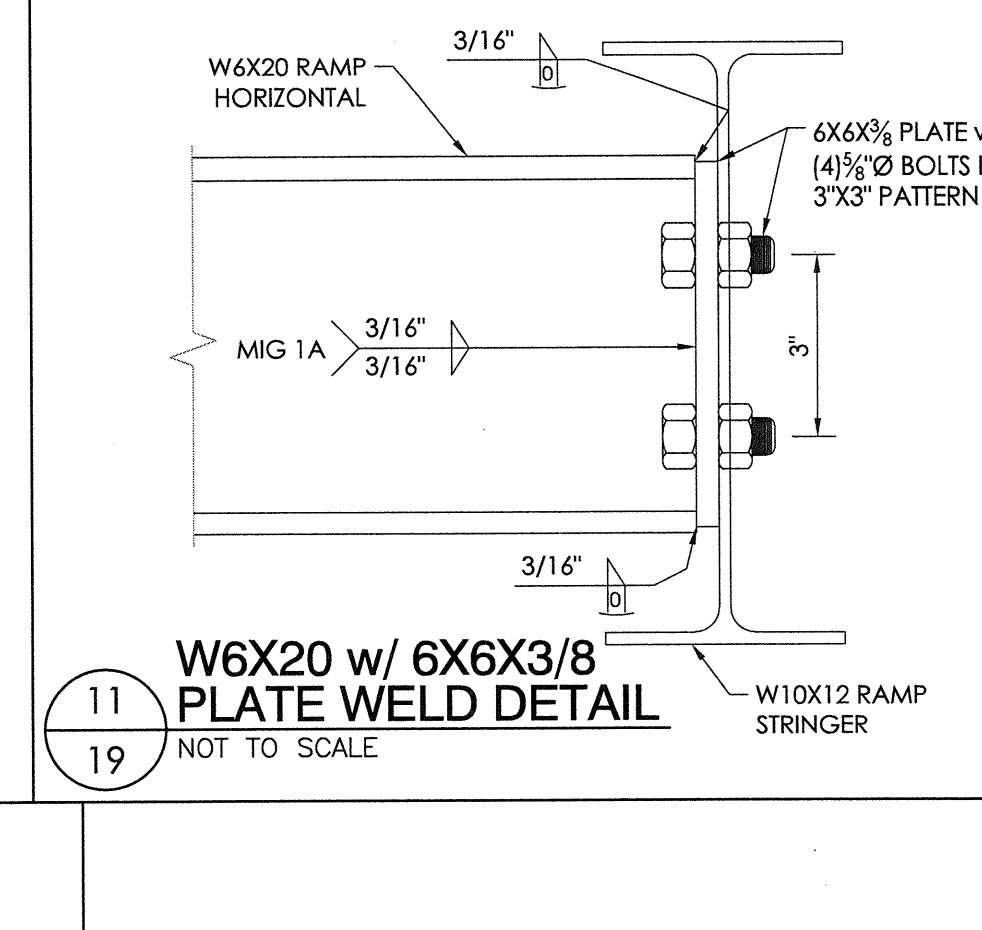
8 RAMP SECTION DETAIL @ RAMP COLUMN
NOT TO SCALE



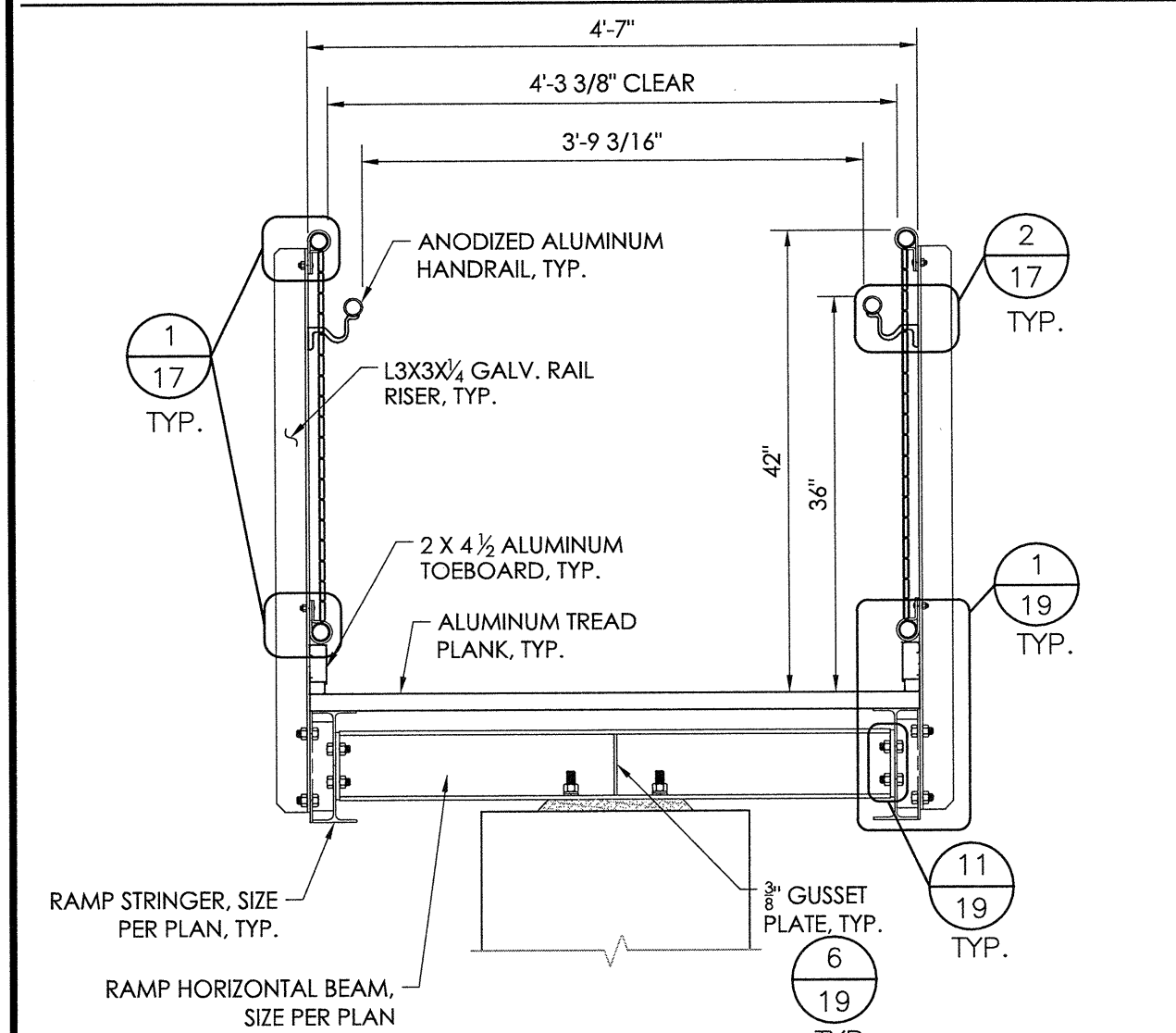
9 RAMP COLUMN CONNECTION DETAIL
NOT TO SCALE



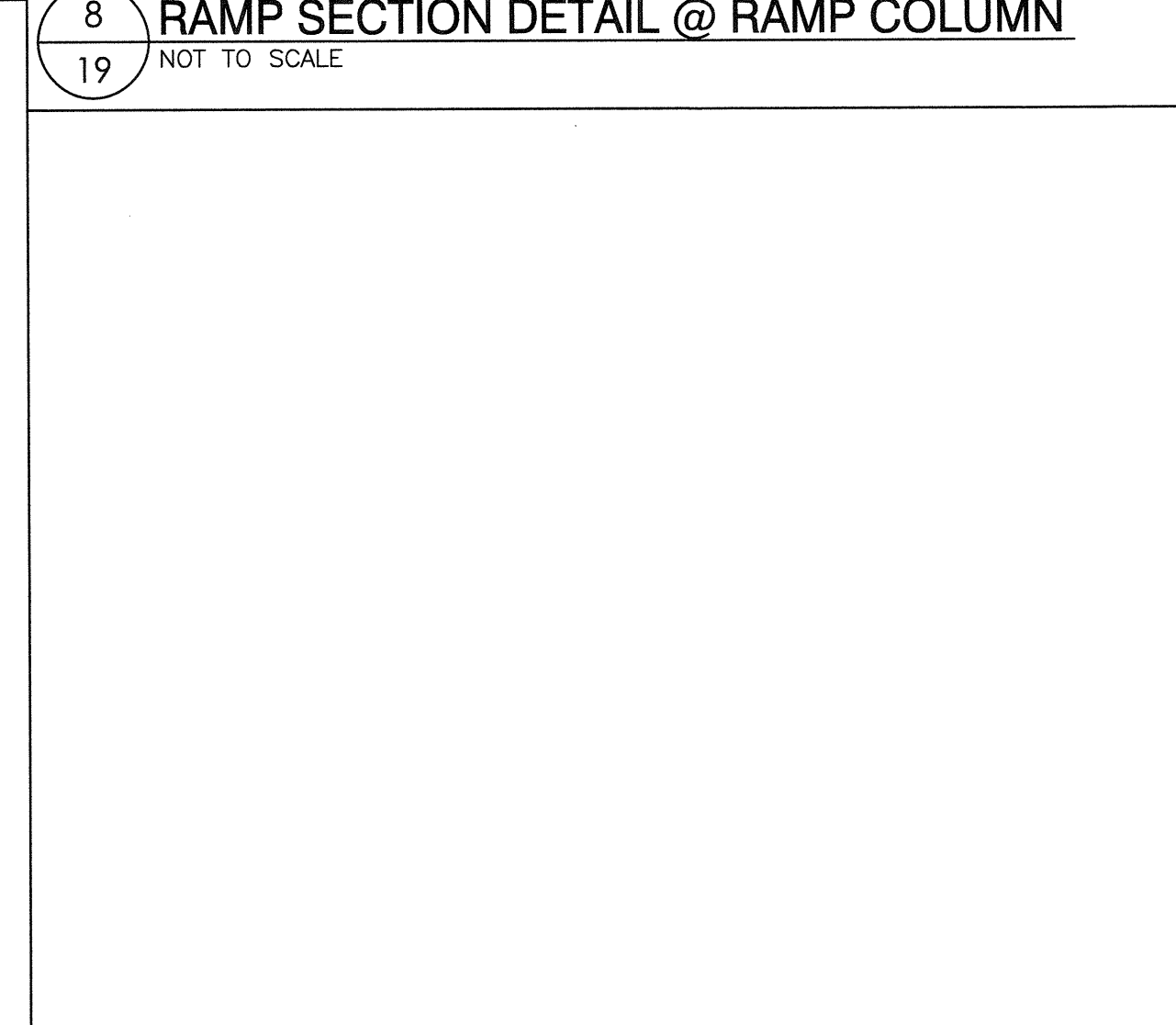
10 RAMP BEAM DETAIL @ PIER
NOT TO SCALE



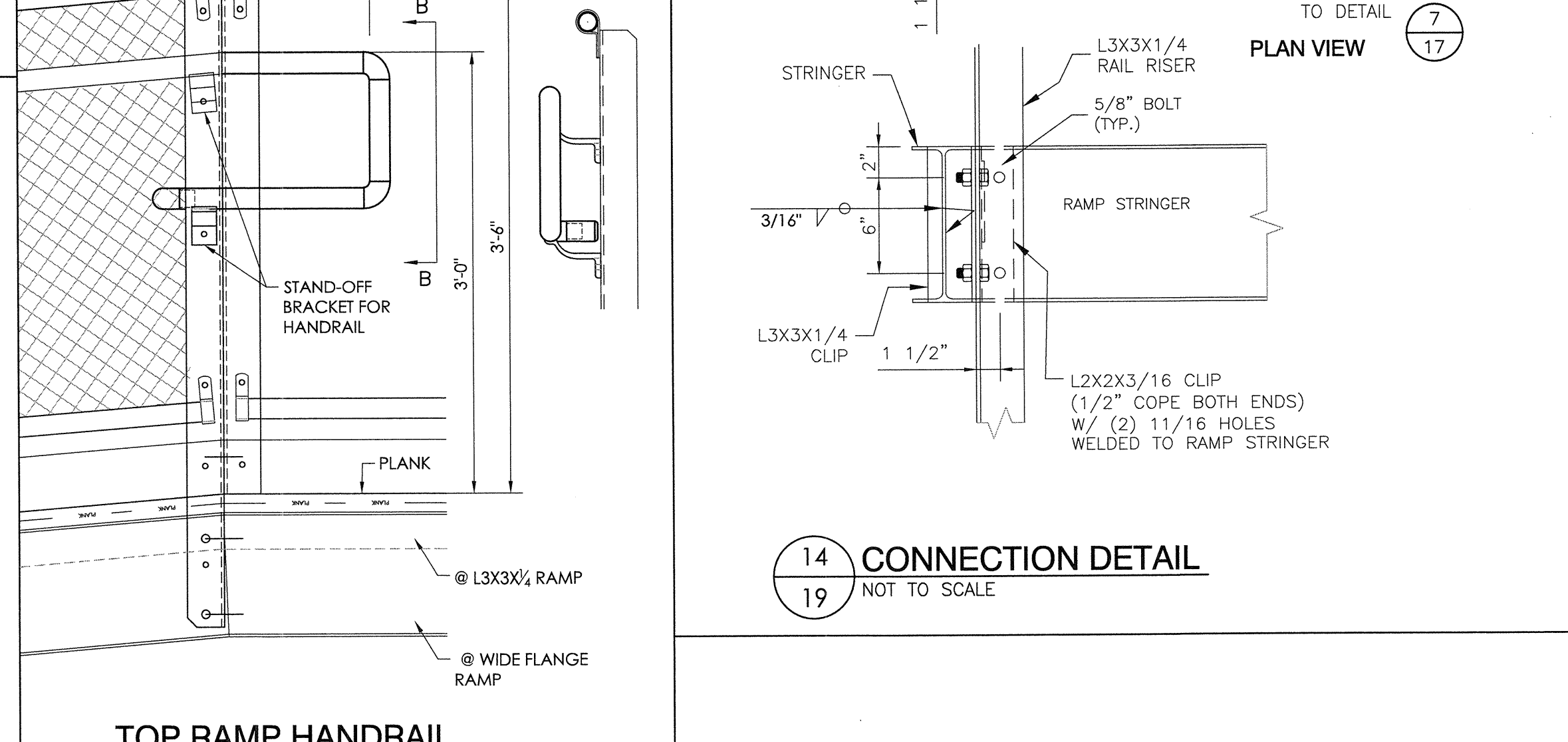
11 W6X20 w/ 6X6X3/8 PLATE WELD DETAIL
NOT TO SCALE



12 RAMP SECTION DETAIL @ RAMP PIER
NOT TO SCALE



13 TOP RAMP HANDRAIL TERMINATION DETAIL
NOT TO SCALE



14 CONNECTION DETAIL
NOT TO SCALE

DETAIL NUMBER
SHEET SHOWN ON
SHEET CUT FROM

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ESTABLISHED 1946
GRANDSTANDS • BLEACHERS • STADIUMS

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PROFESSIONAL ENGINEER
BRIAN T. DEAN
S 6087
Exp. 06/30/19
STRUCTURAL
STATE OF CALIFORNIA
S&S
11/02/18
SENIOR MANAGING ENGINEER

EXIT DETAILS

LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

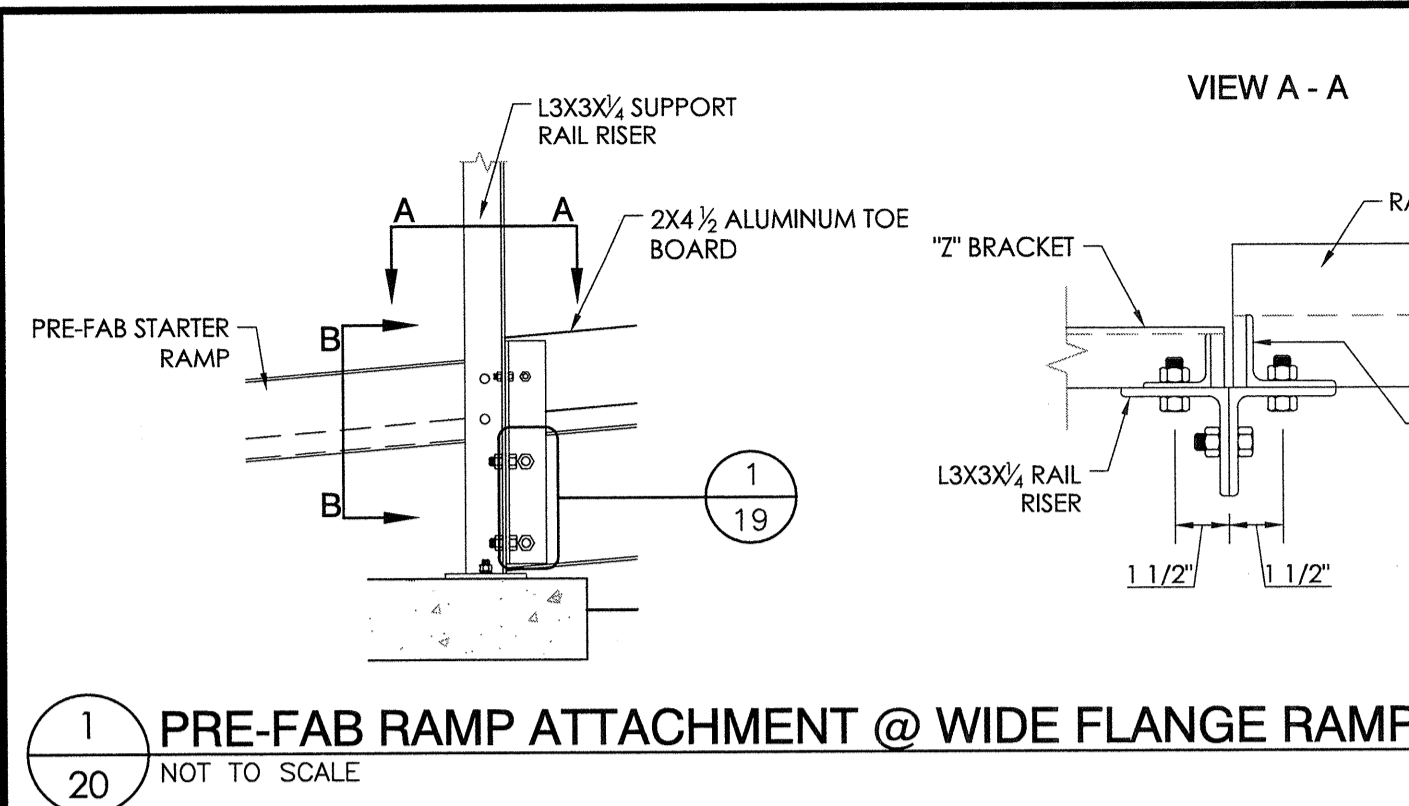
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3	7/11/18	JGS ECM/DMc
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5	7/11/18	JGS ECM/DMc
6	7/11/18	JGS ECM/DMc
7	7/11/18	JGS ECM/DMc
8	7/11/18	JGS ECM/DMc
9	7/11/18	JGS ECM/DMc
10	7/11/18	JGS ECM/DMc
11	7/11/18	JGS ECM/DMc
12	7/11/18	JGS ECM/DMc
13	7/11/18	JGS ECM/DMc
14	7/11/18	JGS ECM/DMc
15	7/11/18	JGS ECM/DMc
16	7/11/18	JGS ECM/DMc
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19	7/11/18	JGS ECM/DMc

JOB NUMBER
18120

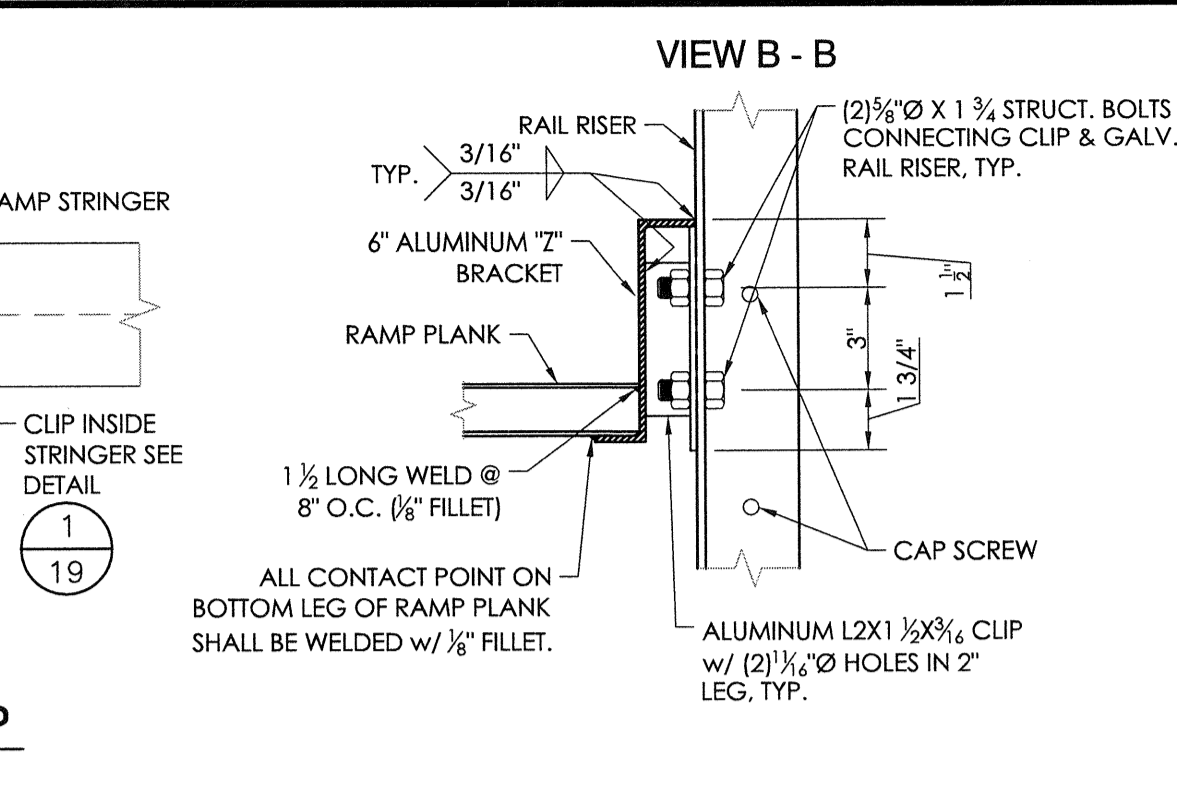
SHEET
19

OF
29

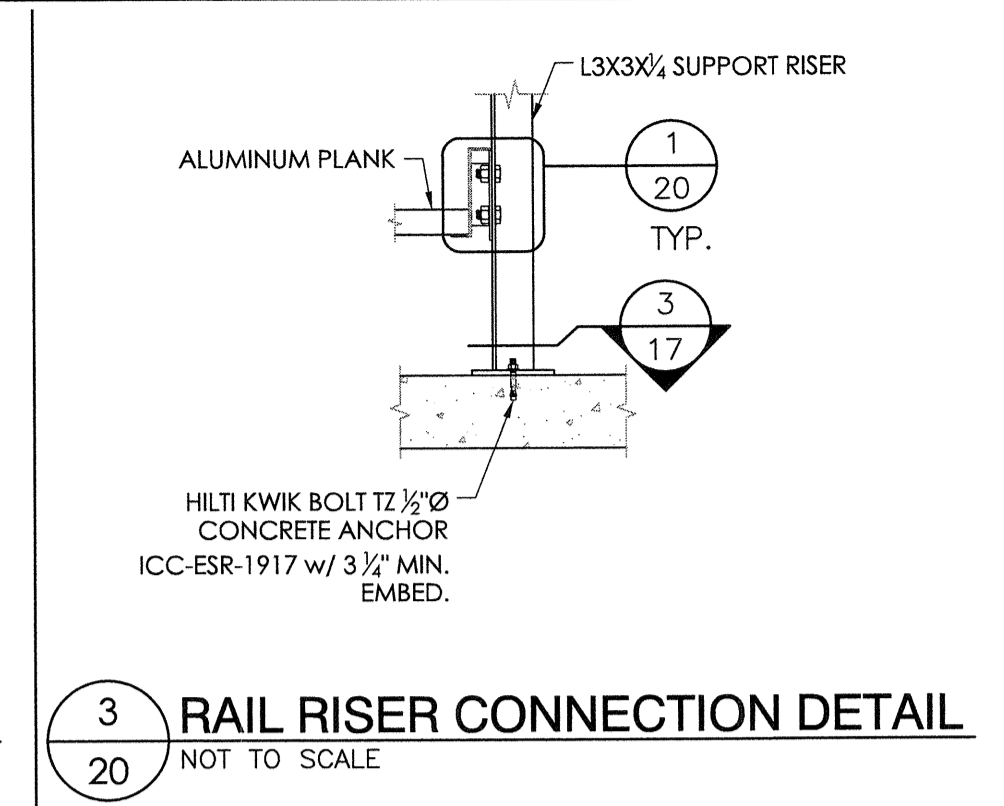
22" X 34" (1/16" = 1/2 indicated scale)



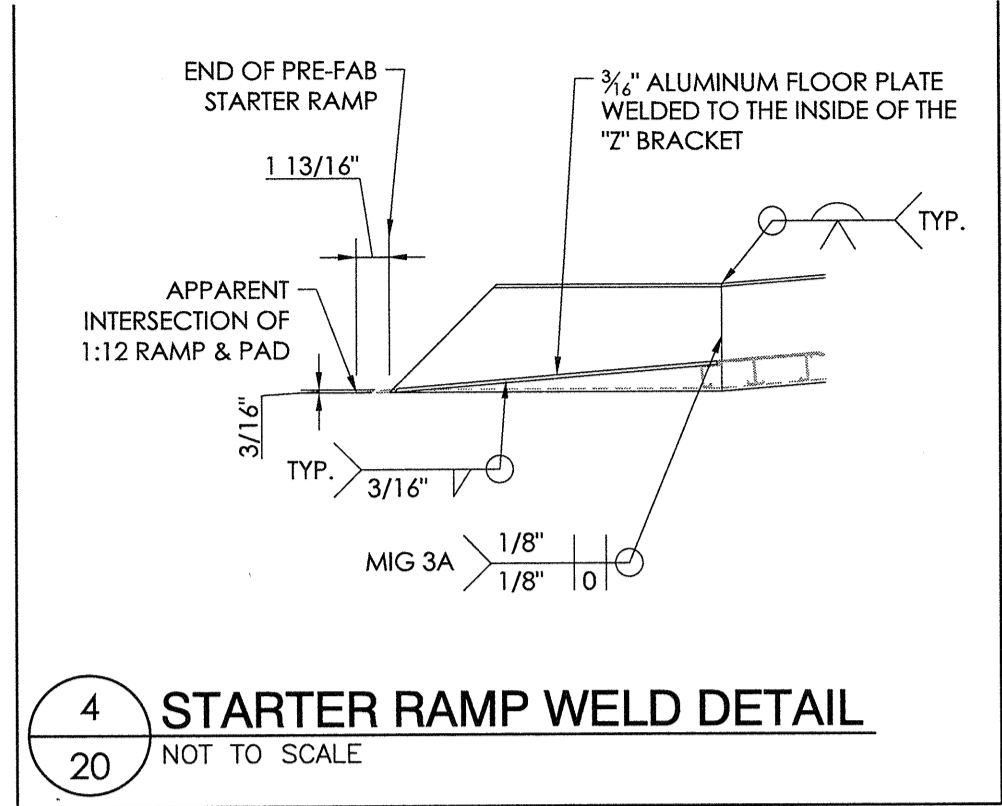
1 PRE-FAB RAMP ATTACHMENT @ WIDE FLANGE RAMP
20 NOT TO SCALE



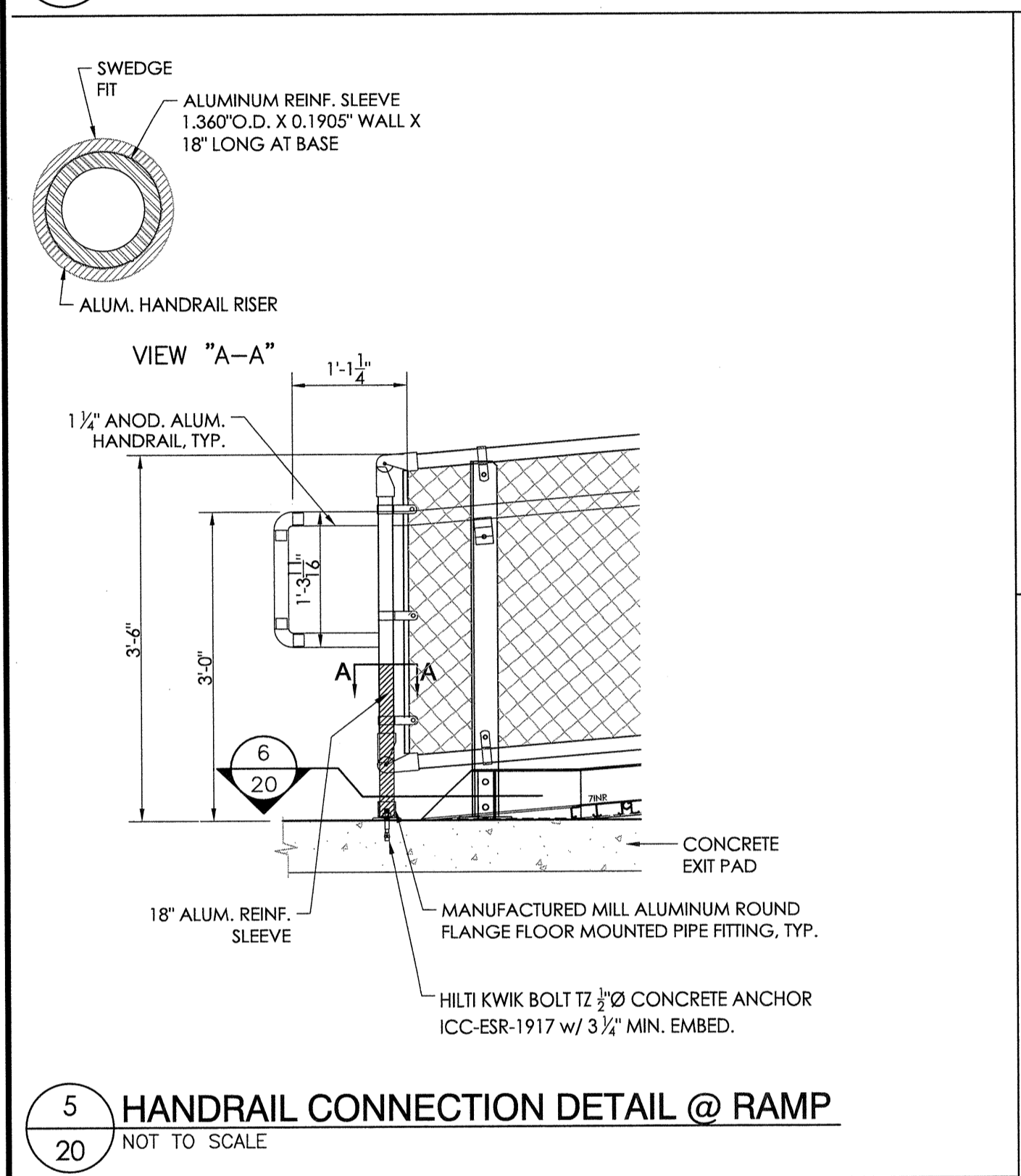
2 TOEBOARD ATTACHMENT DETAIL
20 NOT TO SCALE



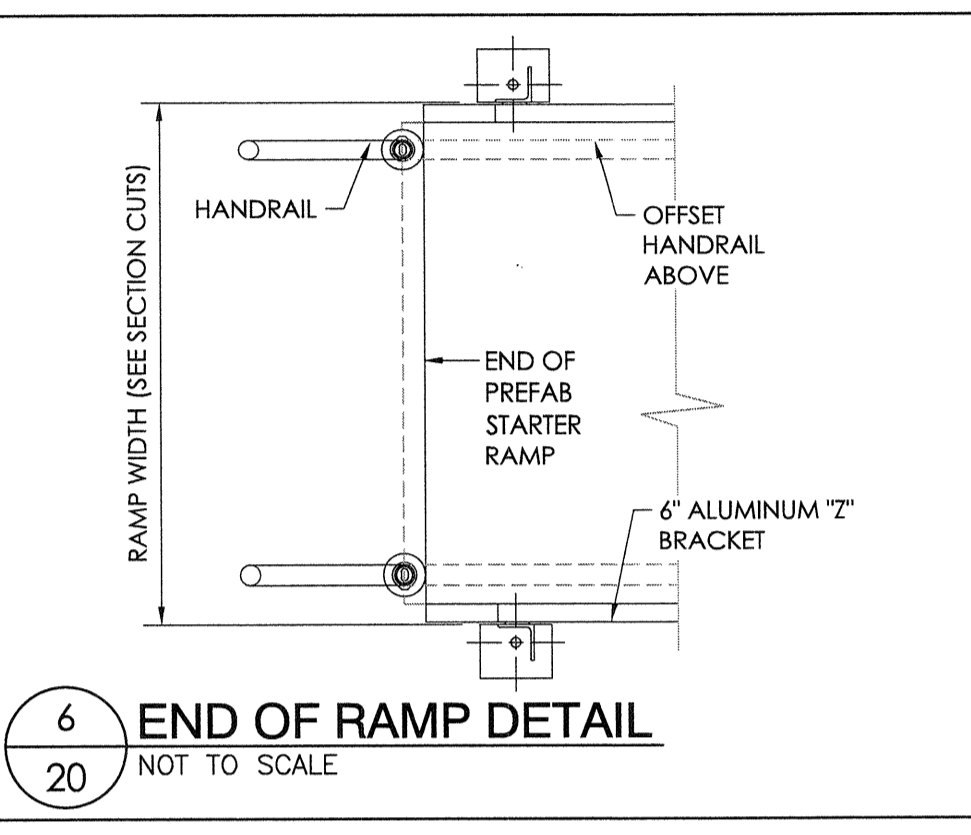
3 RAIL RISER CONNECTION DETAIL
20 NOT TO SCALE



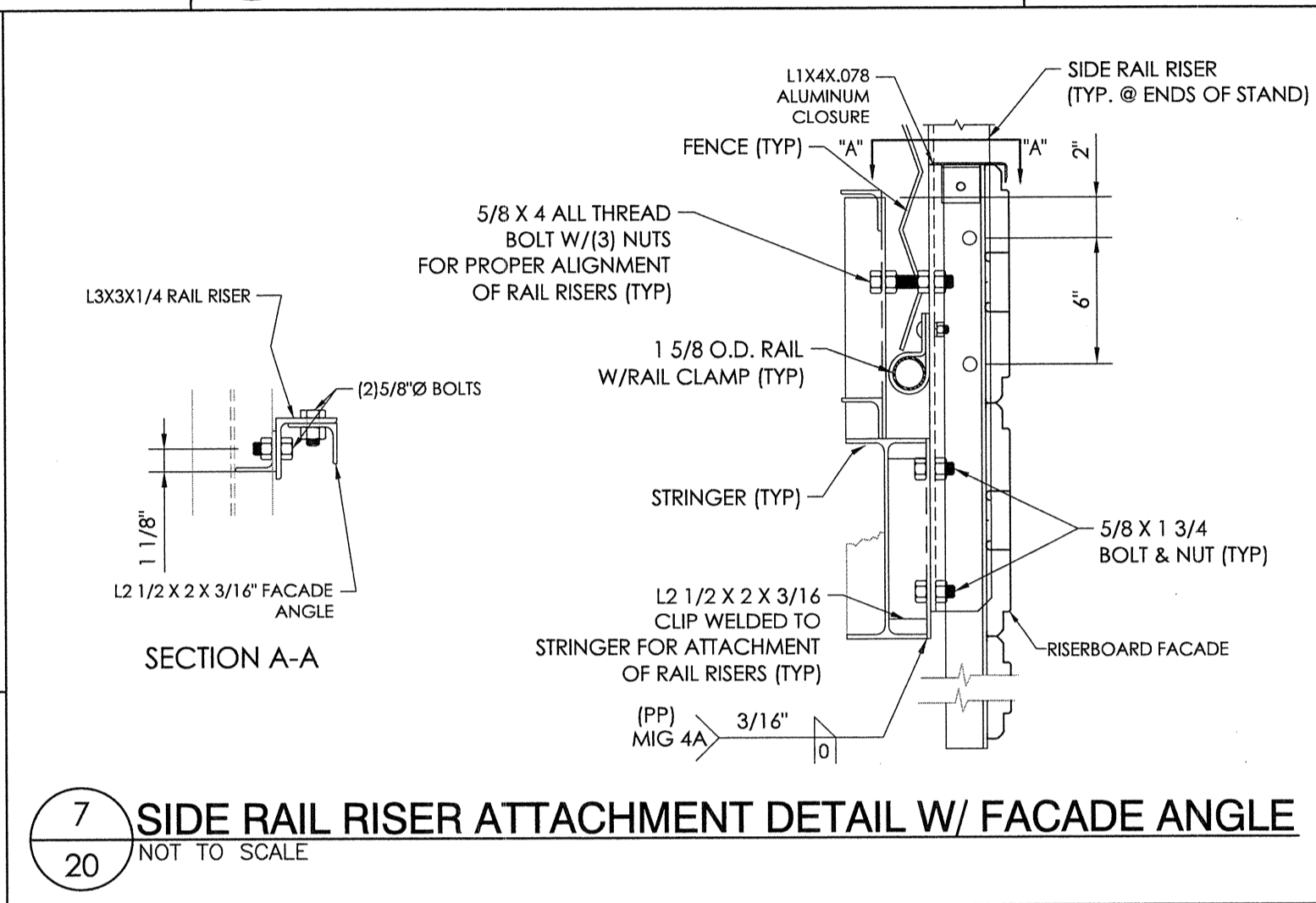
4 STARTER RAMP WELD DETAIL
20 NOT TO SCALE



5 HANDRAIL CONNECTION DETAIL @ RAMP
20 NOT TO SCALE



6 END OF RAMP DETAIL
20 NOT TO SCALE



7 SIDE RAIL RISER ATTACHMENT DETAIL W/ FACADE ANGLE
20 NOT TO SCALE

DETAIL NUMBER: 110 SHEET SHOWN ON SHEET CUT FROM

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CENTRAL OFFICE: 11501 WILSON BLVD, SUITE 100, LOS ANGELES, CA 91101
PHONE: (310) 237-9388 FAX: (310) 237-9388
555 S. ORANGE AVENUE, SUITE 100, BREA, CA 92620
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ESTABLISHED 1946
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EXIT DETAILS

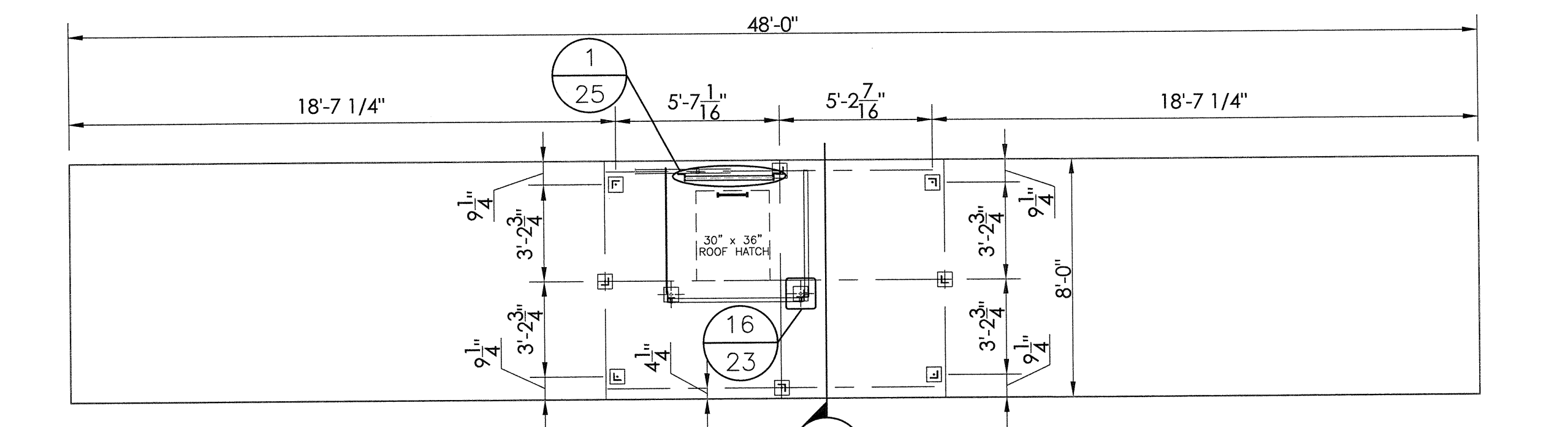
LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV.	DATE	DESCRIPTION
1	7/11/18	JGS
2	11/2/18	JGS
3	11/2/18	JGS
4	11/2/18	JGS
5	11/2/18	JGS
6	11/2/18	JGS
7	11/2/18	JGS
8	11/2/18	JGS
9	11/2/18	JGS
10	11/2/18	JGS
11	11/2/18	JGS
12	11/2/18	JGS
13	11/2/18	JGS
14	11/2/18	JGS
15	11/2/18	JGS
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20	11/2/18	JGS

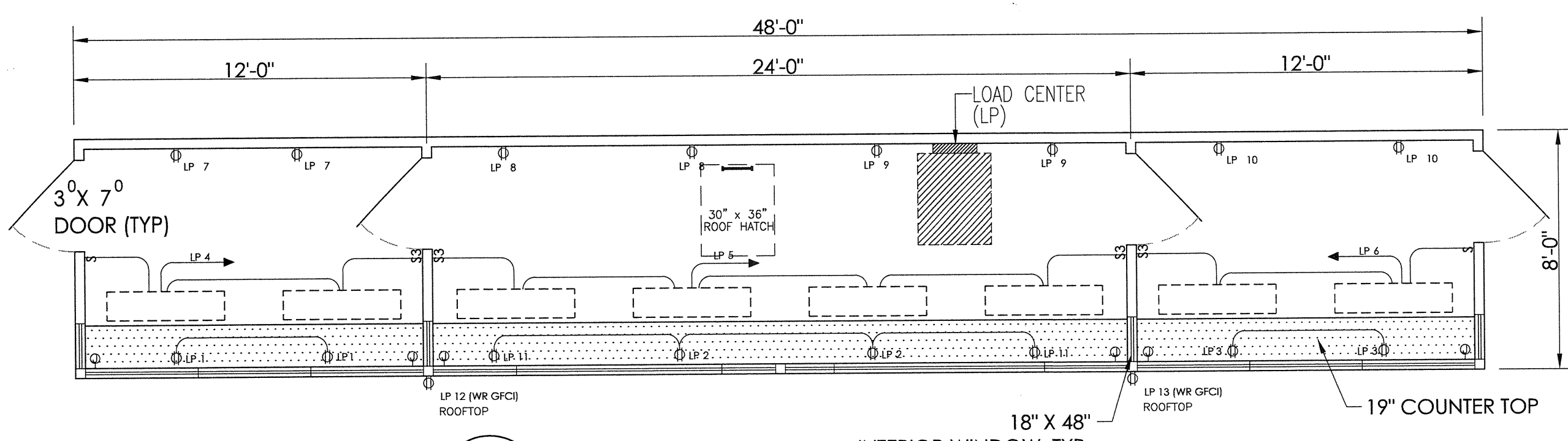
JOB NUMBER: 18120

SHEET 20 OF 29

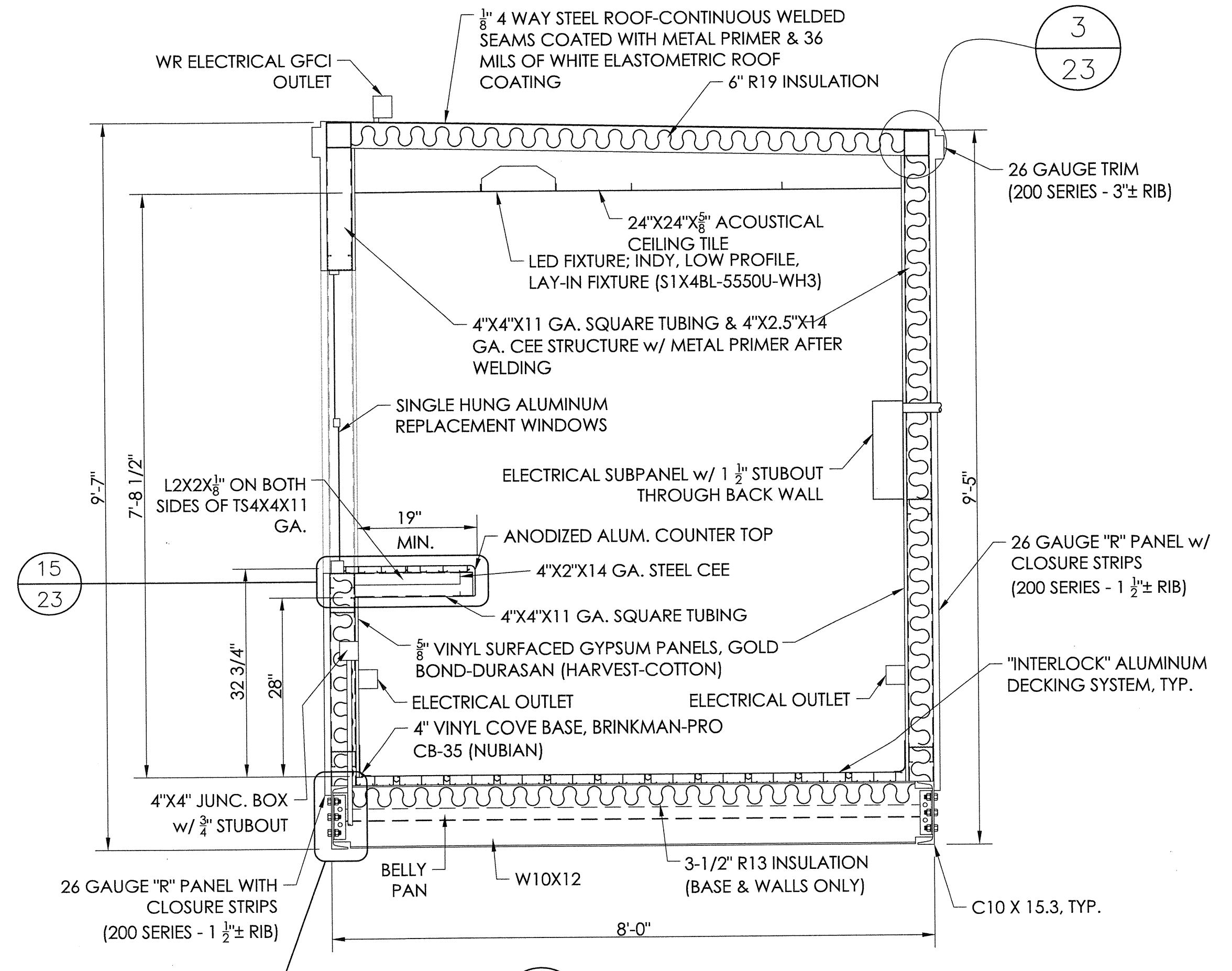
22" X 34" (1/16" = 1/2" indicated scale)



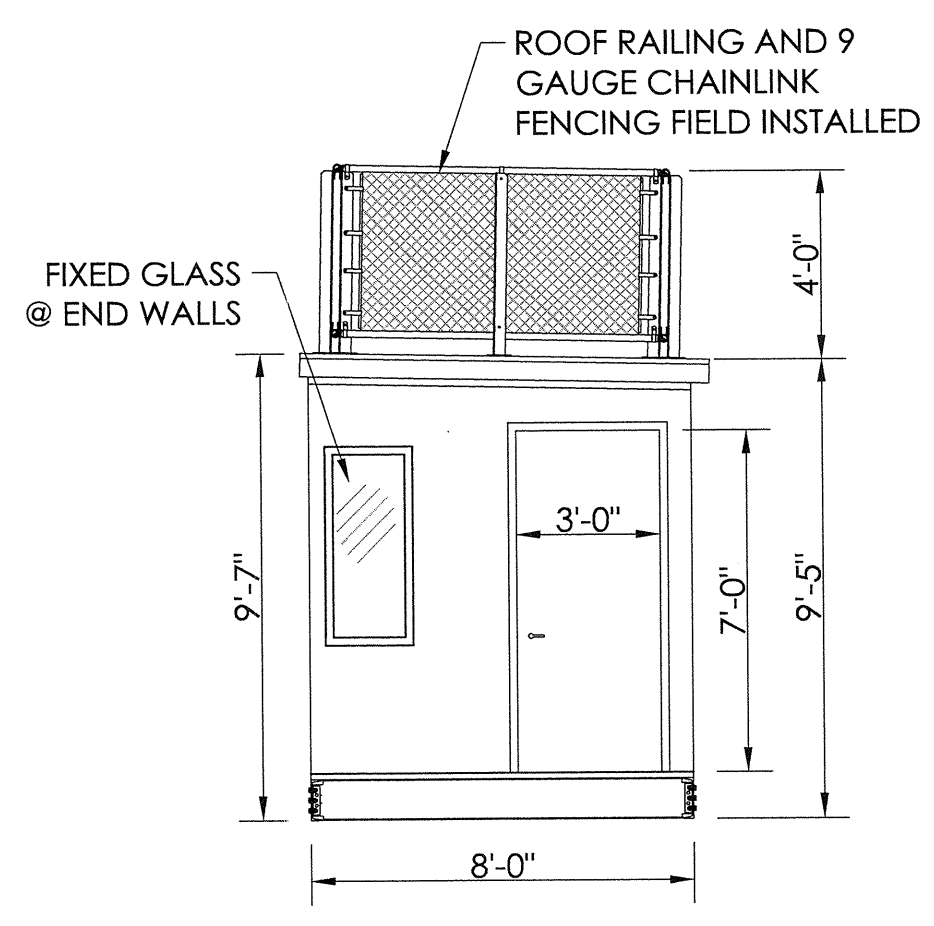
1 ROOF RAIL LAYOUT
SCALE: 1/4"=1'-0"



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



5 SECTION VIEW
SCALE: 3/4"=1'-0"



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

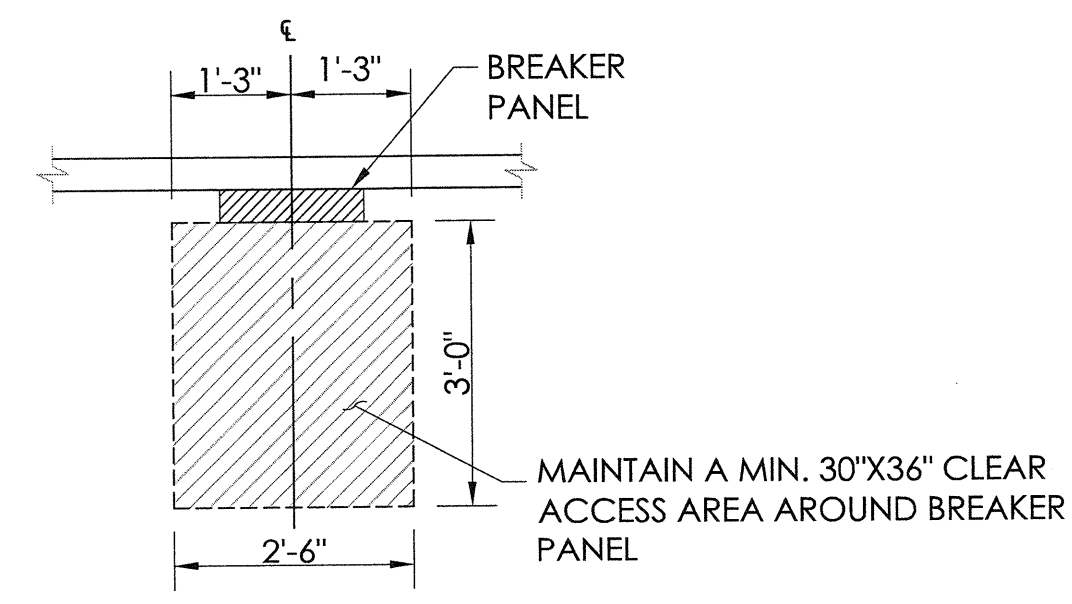
LOAD CENTER SCHEDULE

PANEL LP 100 AMP - 16 CIRCUIT W/ EQUIPMENT GROUND 240/120 VOLTS 1 PH. MOUNTING: FLUSH SURFACE 10,000 SYN. A.I.C. MIN. 100 AMP MAIN BREAKER

BREAKER SIZE POLE #	CIR. #	BUS #	CIR. #	BREAKER SIZE POLE #	RECP. FRONT WALL
20 1 1	1	1	2	20 1	(2) 1'X4' 2 LAMP RECESSED
20 1 3	3	4	20 1	2	(2) 1'X4' 2 LAMP RECESSED
20 1 5	5	6	20 1	2	(2) RECP. BACK WALL
20 1 7	7	8	20 1	2	(2) RECP. BACK WALL
20 1 9	9	10	20 1	2	RECP. ROOFTOP
20 1 11	11	12	20 1	2	SPARE
20 1 13	13	14	20 1	2	SPACE
20 1 15	15	16	20 1	2	SPACE

- 15A. 125V. DUPLEX RECP.
- §3 15A. 125V. SINGLE POLE SWITCH
- § 15A. 125V. SINGLE POLE SWITCH
- ① 4X4X2 1/8" JUNCTION BOX W/ 3/4" C. STUBOUT
- LED FIXTURE: INDY. LOW PROFILE, LAY-IN FIXTURE (S1X4BL-5550U-WH3)
- CONDUIT WILL BE 1/2" EMT, 1/2" STEEL FLEX, OR SURFACE RACEWAY UNLESS OTHERWISE NOTED
- #12 = THWN - THHN
- WIRING ON 20A BREAKERS WILL BE #12 = THWN - THHN
- EQUIPMENT GROUND RUN IN ALL CONDUITS OR NON-METALLIC SURFACE RACEWAYS

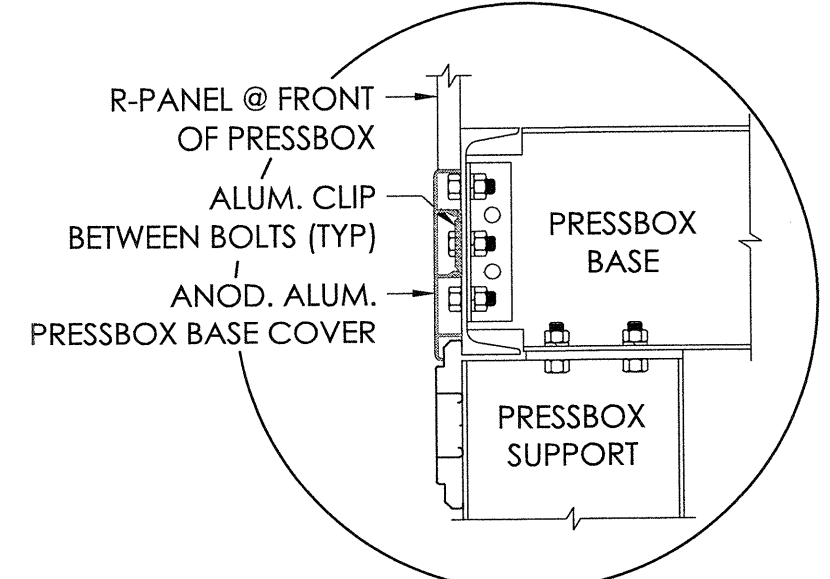
NOTES:
WALL PANELS ARE ATTACHED WITH #12 TEK SCREWS - 6" O.C. AT THE TOP AND BOTTOM OF THE PANELS AND 12" O.C. AT ANY INTERMEDIATE BRACE.
LAP SCREWS ARE PLACED AT EACH END OF THE PANELS, AT THE INTERMEDIATE SUPPORTS AND AT THE MID POINT BETWEEN SUPPORTS (TEK #14)



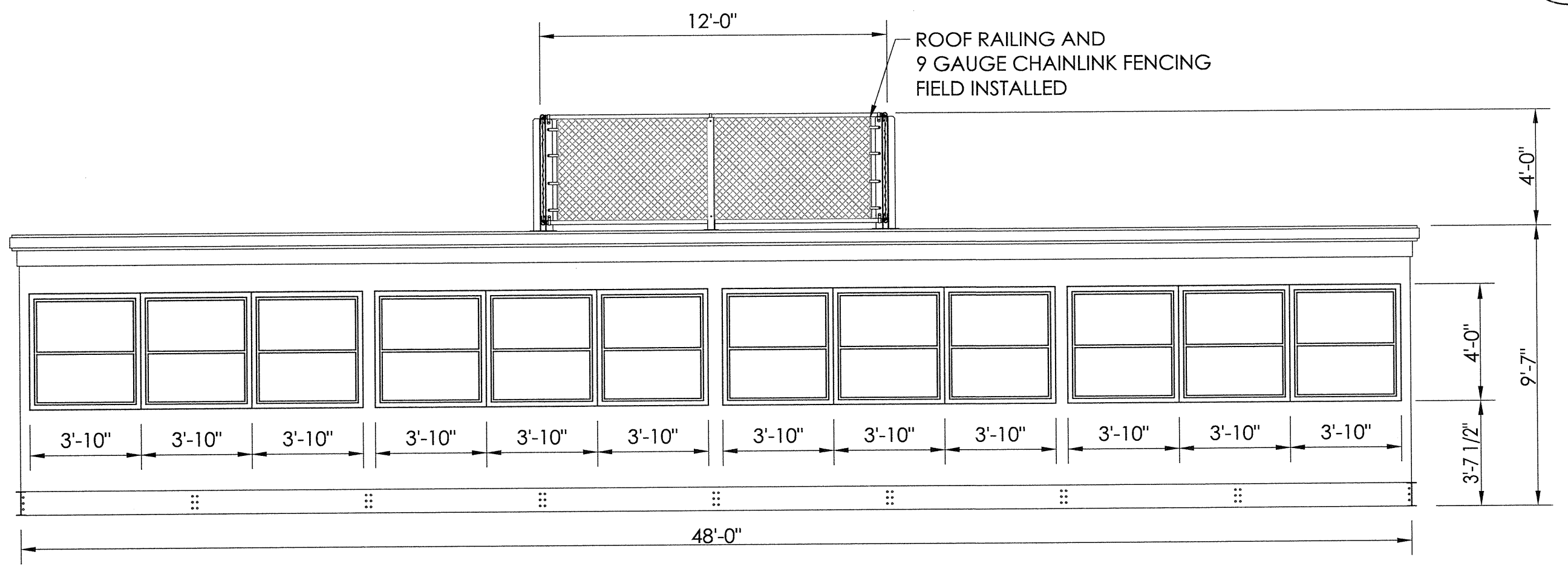
BREAKER PANEL ACCESS
NOT TO SCALE

PRESS BOX COLOR SELECTION SCHEDULE

MATERIALS	EXTERIOR SHEET METAL COMPONENTS		
	EXTERIOR SIDING	ROOF TRIM	WINDOW / DOOR TRIM
MBCI SIGNATURE 200 STANDARD COLORS FOR PRESS BOX COLOR SELECTION. PLEASE MARK COLOR SELECTIONS FOR EACH MATERIAL ON THIS COLOR SCHEDULE.			
HAWAIIAN BLUE			
CRIMSON RED			
FERN GREEN			
BURNISHED SLATE			
POLAR WHITE			
ASH GREY			
SADDLE TAN			
DESERT SAND			
KOKO BROWN			
SOLAR WHITE			
CHARCOAL GREY			
COBALT BLUE			
RUSTIC RED			
LIGHT STONE			
WINDOW FRAMES			
WHITE			
BRONZE			
TAN			
SILVER			



6 PRESS BOX BASE TRIM DETAIL
NOT TO SCALE



3 FRONT ELEVATION VIEW
SCALE: 1/4"=1'-0"

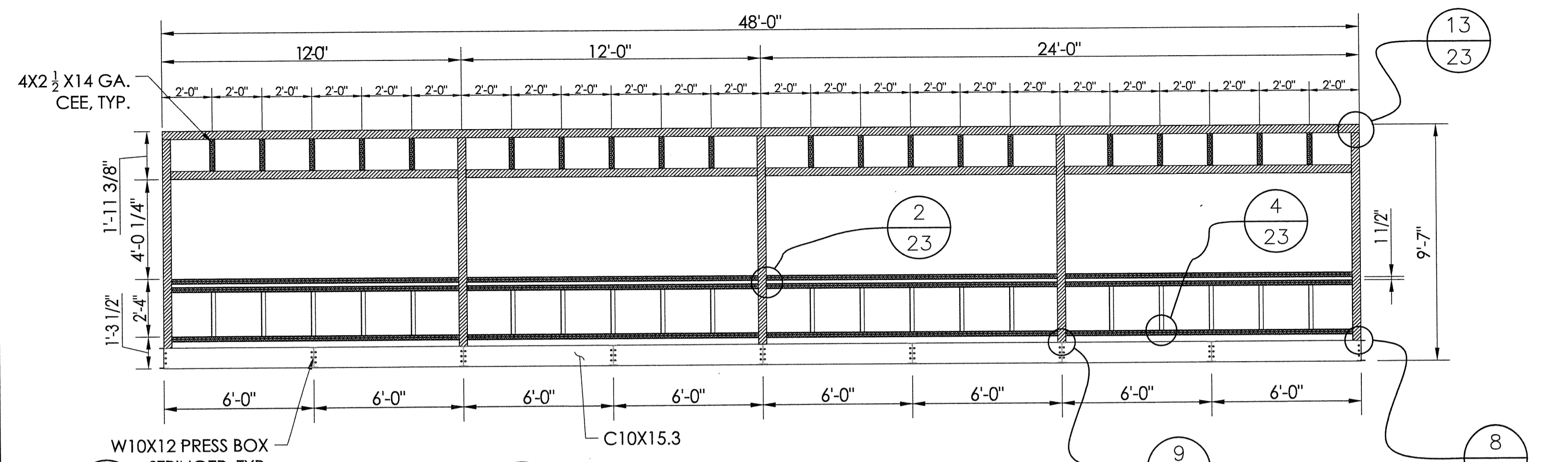
TAYLOR & SYFAN
STRUCTURAL ENGINEERS
SERVICES
OFFICE: 553 S. Orange Ave., CA 91101
Tel: 626 792-4299
Fax: 626 792-4299
Tel: 800 675-3681
Fax: 800 675-3681

Southern BLEACHER COMPANY
PO Box One, Graham, Texas 76450
801 Fifth Street,
Phone: 940/549-0733 Fax: 940/549-1345
Established 1946

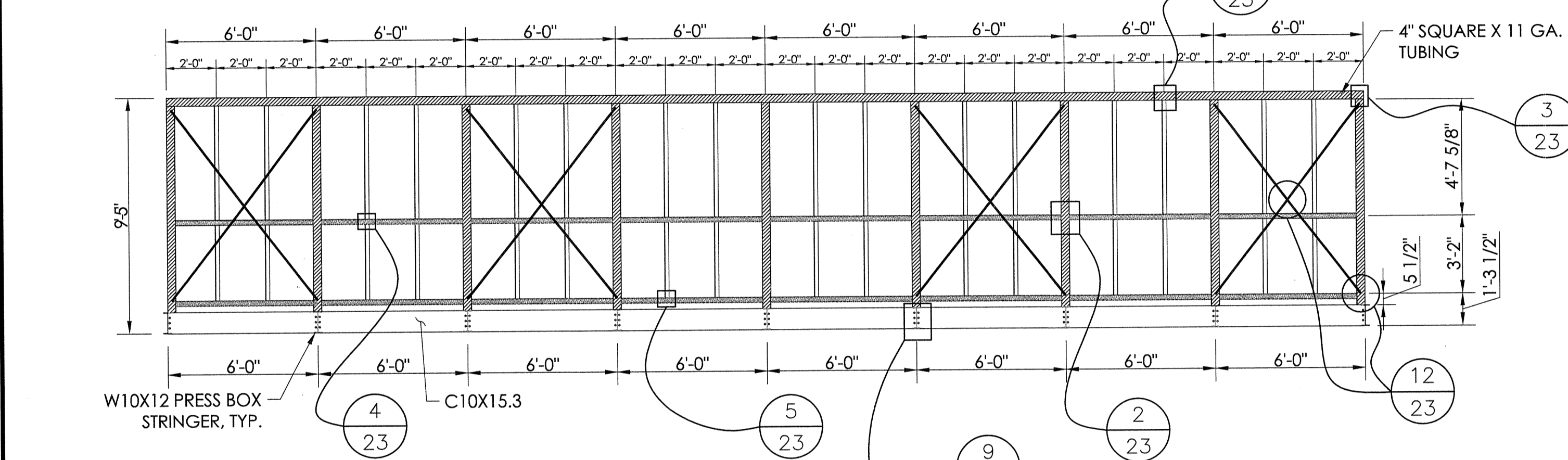
LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

PROJECT: PRESS BOX
DATE: 7/11/18
JOB NUMBER: 18120
SHEET: 21 OF 29

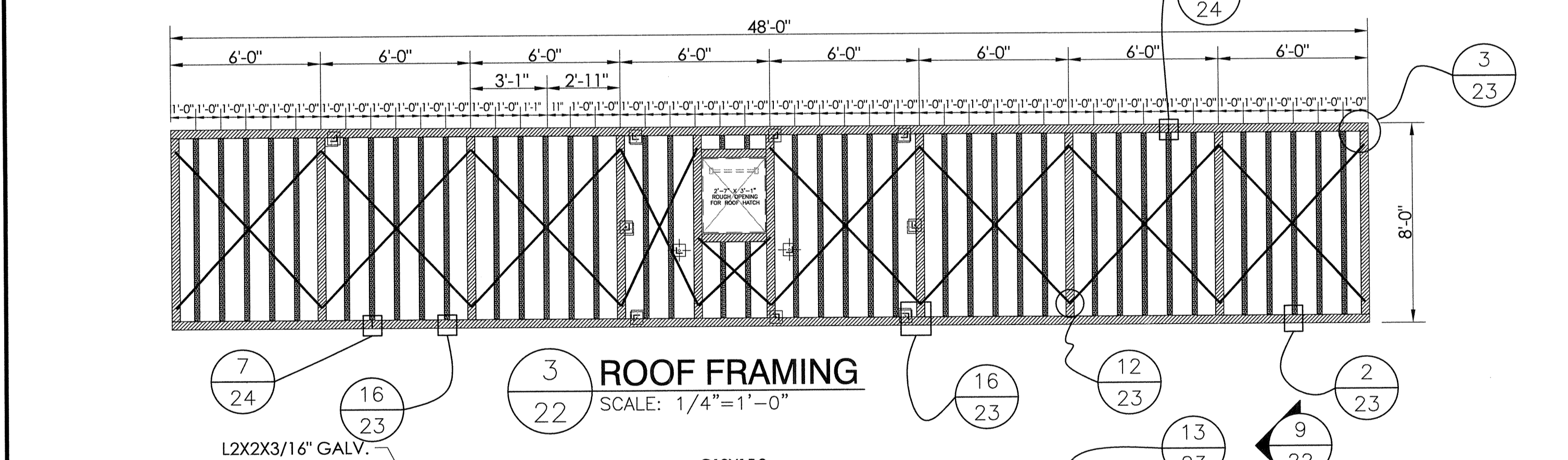
22" X 34" (1/16" = 1/2" indicated scale)



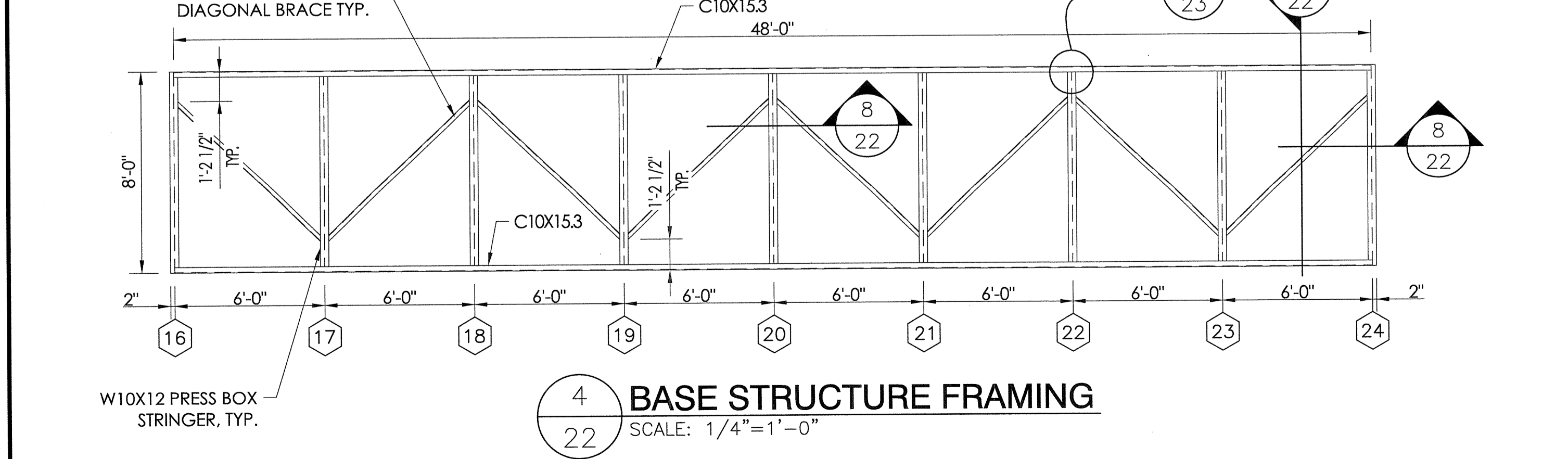
1 FRONT ELEVATION FRAMING
SCALE: 1/4"=1'-0"



2 REAR ELEVATION FRAMING
SCALE: 1/4"=1'-0"



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



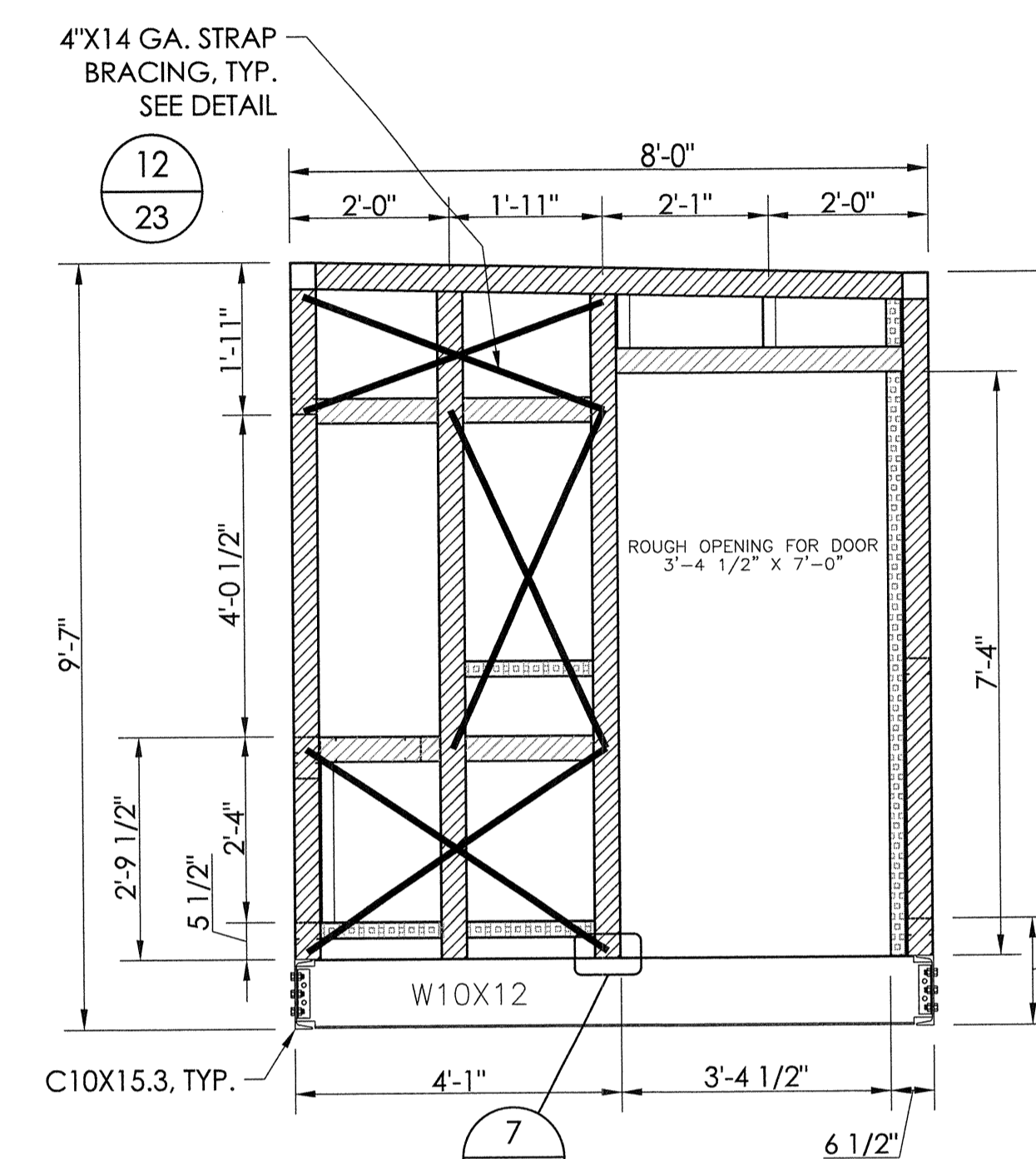
4 BASE STRUCTURE FRAMING
SCALE: 1/4"=1'-0"

STEEL KEY

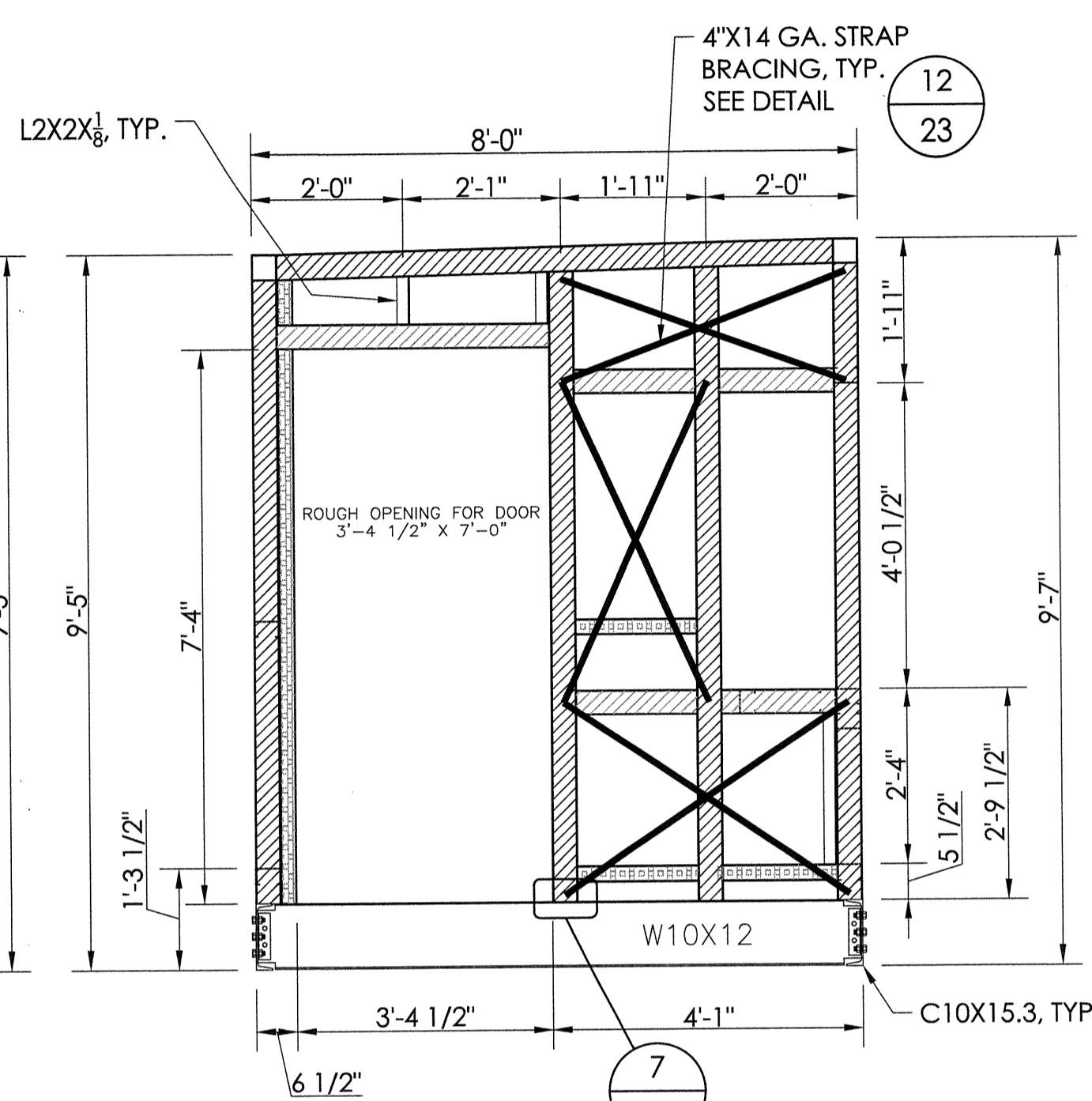
- = 4" SQUARE X 11 GA. TUBING TYP.
- = 4x2 1/2 x 14 GA. CEE
- = 2 X 2 X 1/8" ANGLE
- = 4"x14 GA. STRAP BRACING, TYP. SEE DETAIL

STEEL PROPERTIES

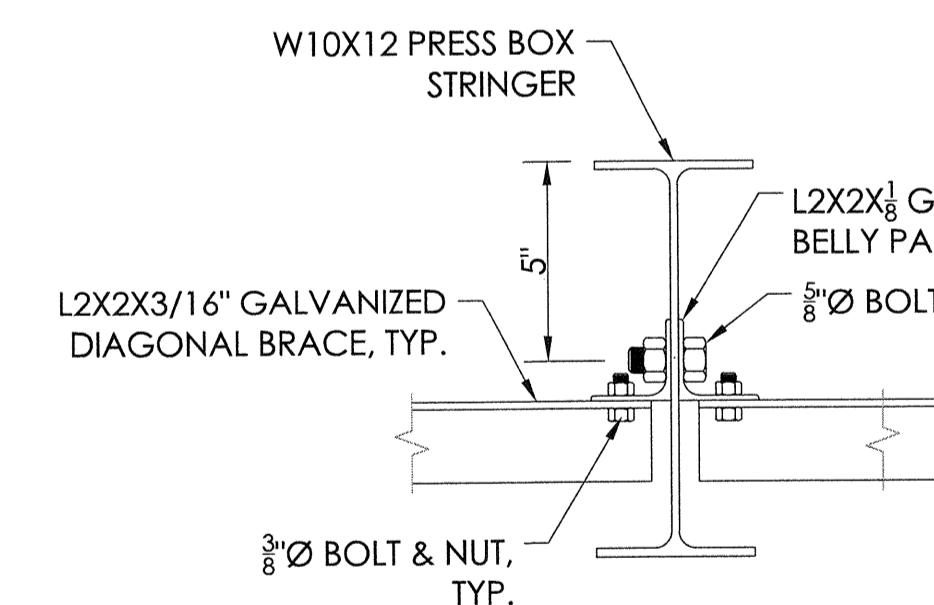
TUBE	4" SQUARE X 11 GA. TUBE	A500 GRADE B	Fy = 39ksi, MIN.
DIAGONAL ANGLE	L2 X 2 X 3/16"	A36 / A572 / A529	Fy = 50ksi, MIN.
BELLY PAN ANGLE	L2 X 2 X 1/8"	A36 / A572 / A529	Fy = 50ksi, MIN.
CEES	4 X 2 1/2 X 14 GA.	A1011 / A653	Fy = 33ksi, MIN.
FLAT STRAP	4" X 14 GA.	A1011 / A653	Fy = 33ksi, MIN.
ROOF PLATE	11GA. OR 1/8"	A1011 / A653 / A786	Fy = 27ksi, MIN.



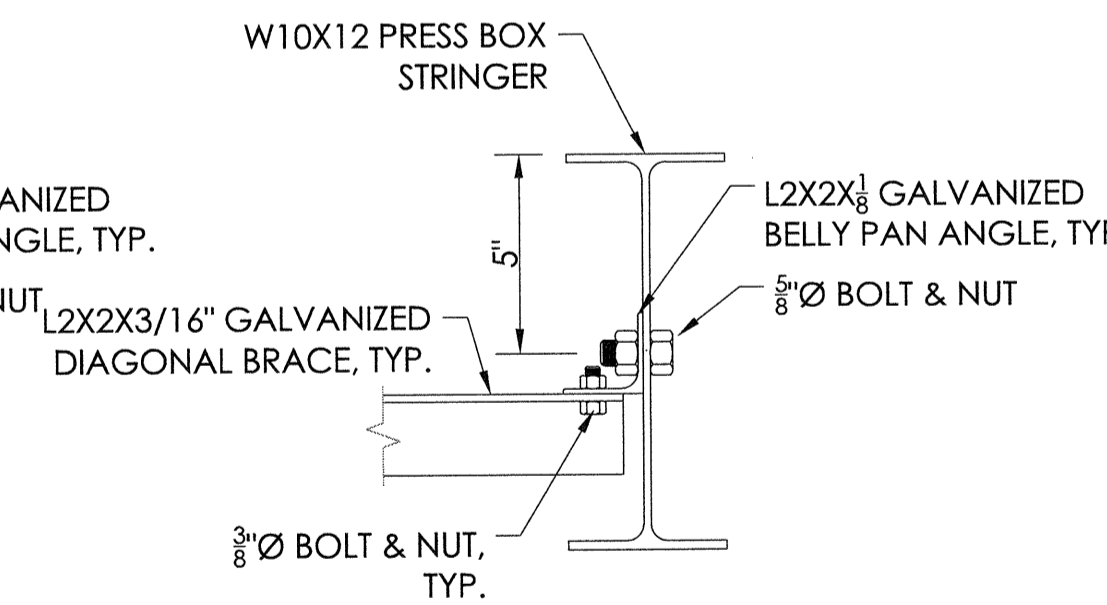
5 SIDE STRUCTURAL LAYOUT (RIGHT END)
SCALE: 1/2"=1'-0"



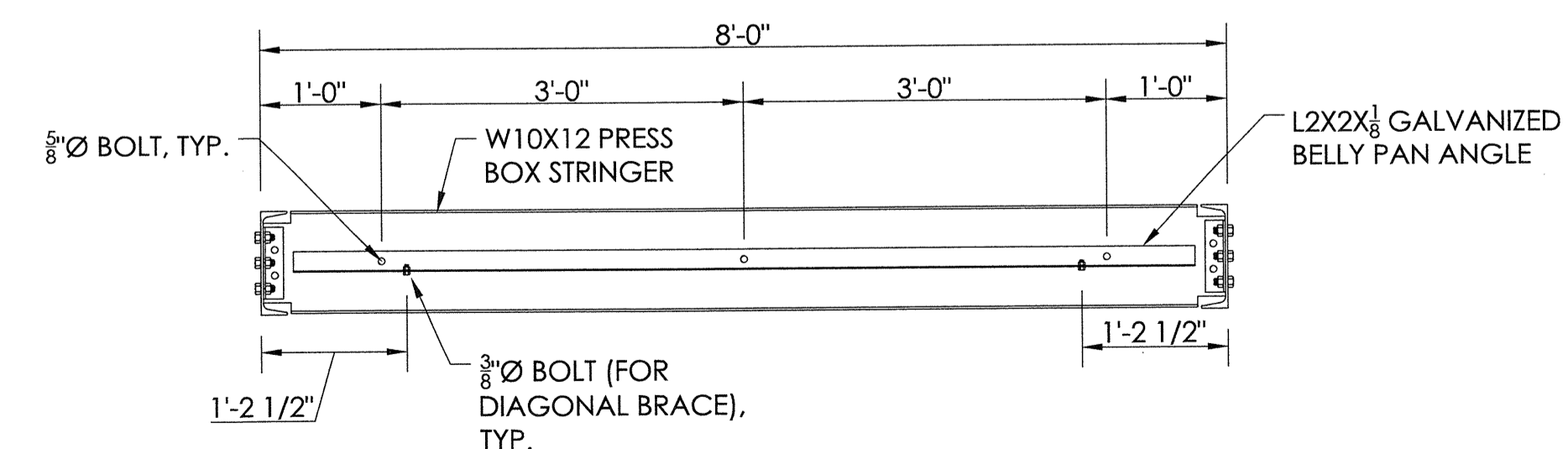
6 SIDE STRUCTURAL LAYOUT (LEFT END)
SCALE: 1/2"=1'-0"



8 BELLY PAN ATTACHMENT (RIGHT)
NOT TO SCALE



8 BELLY PAN ATTACHMENT (LEFT)
NOT TO SCALE



9 BELLY PAN ANGLE ATTACHMENT
NOT TO SCALE

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LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

PRESS BOX
8'-0" X 48'-0"

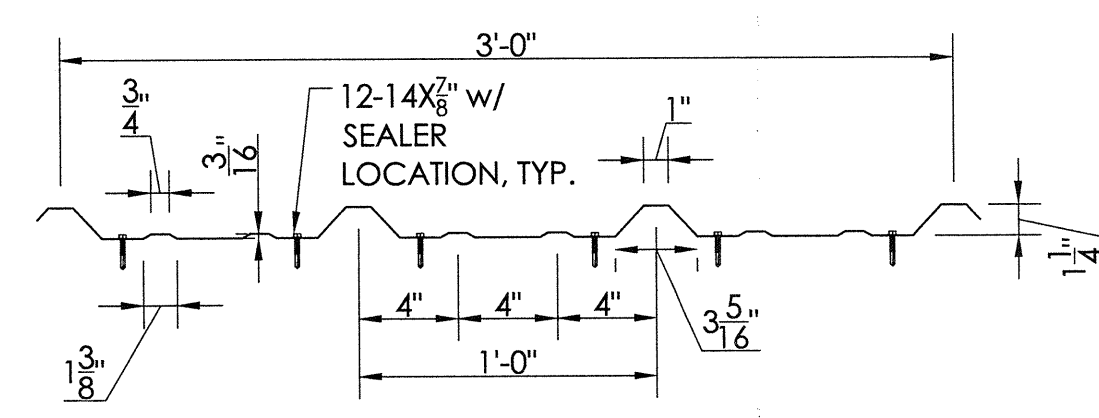
REVISIONS:

NO.	DATE	DESCRIPTION
1	7/11/18	JGS ECM/DMG

JOB NUMBER: **18120**

SHEET **22** OF **29**

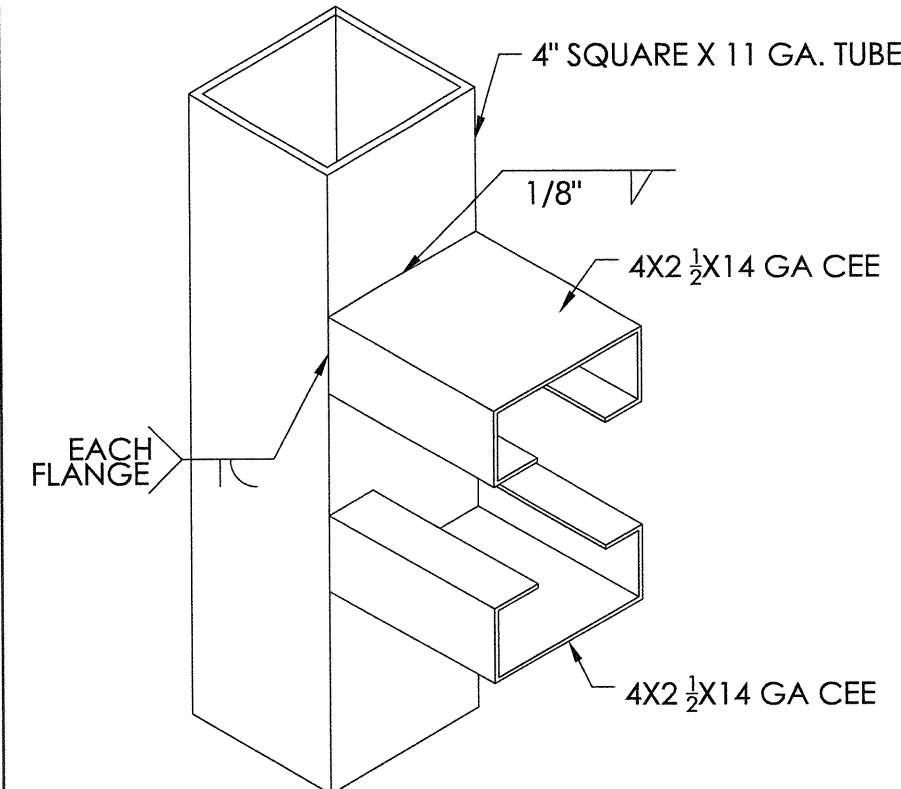
22" X 34" (11x17 = 1/2 indicated scale)



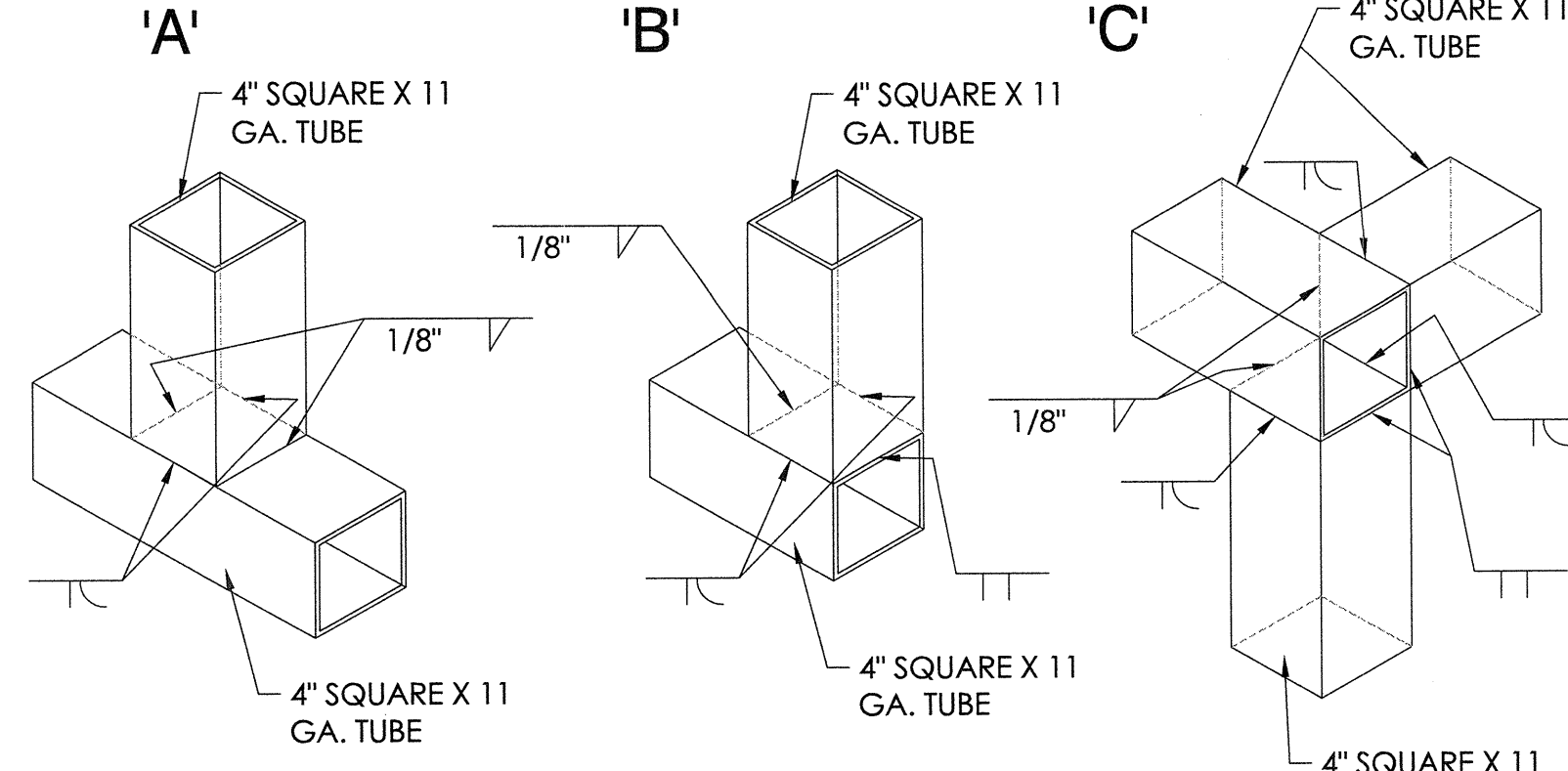
SECTION PROPERTIES								
PANEL	F _y	WEIGHT	NEGATIVE BENDING			POSITIVE BENDING		
			I _{xe}	S _{xe}	Maxo	I _{xe}	S _{xe}	Maxo
Gauge	(KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
26	60*	0.94	0.0309	0.0449	1.8019	0.0382	0.0381	1.6759

*F_y IS 80 ksi REDUCED TO 60 ksi IN ACCORDANCE WITH THE 2012 EDITION OF THE NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS. - A2.3.2

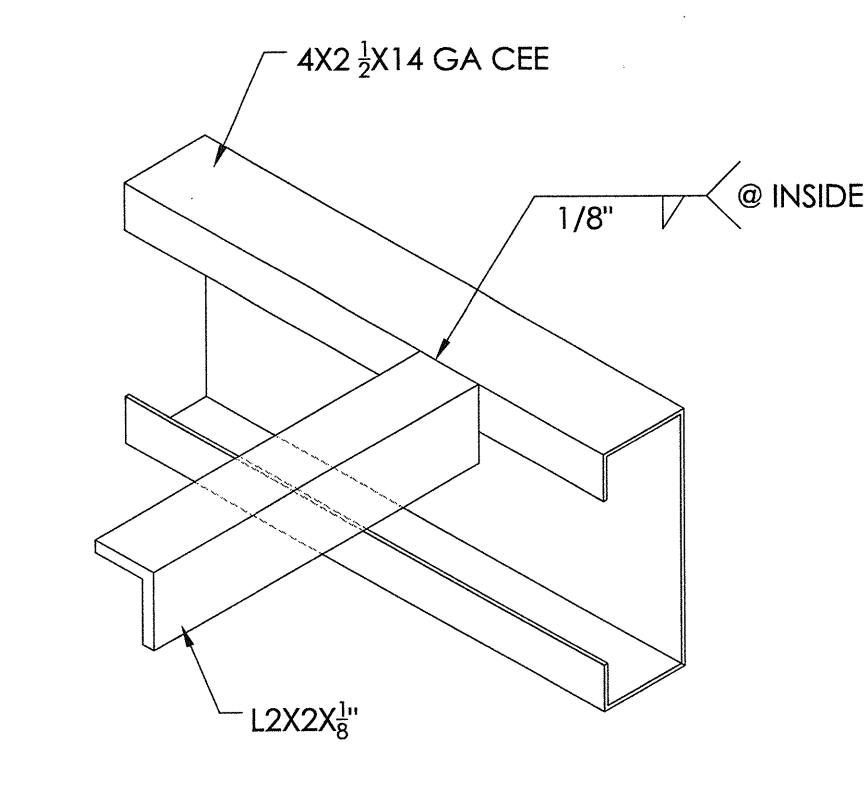
1 "R" PANEL DETAIL
23 NOT TO SCALE



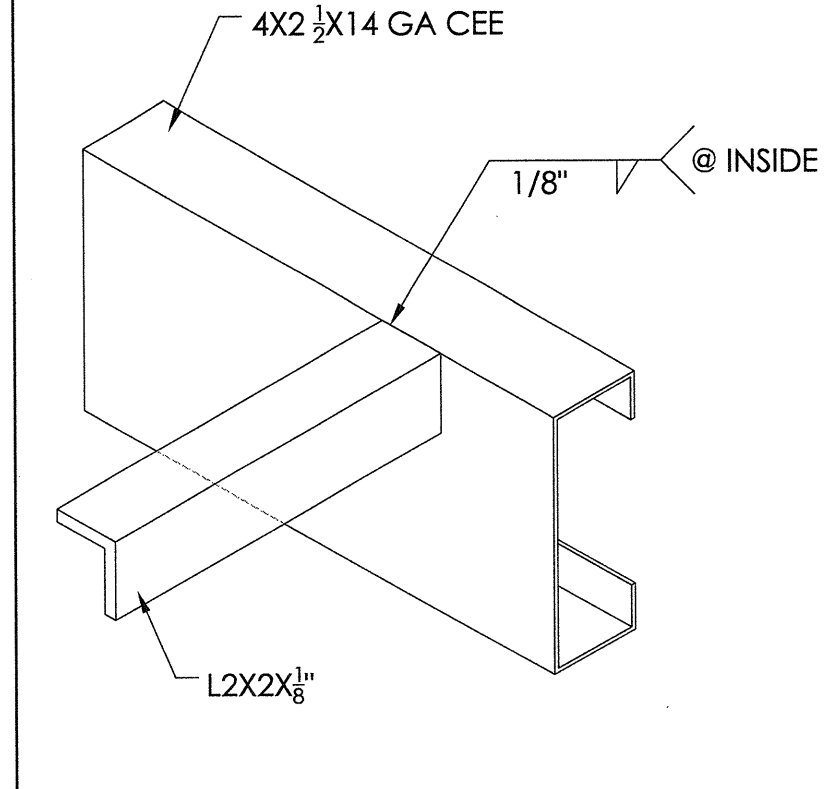
2 WELD DETAIL
23 NOT TO SCALE



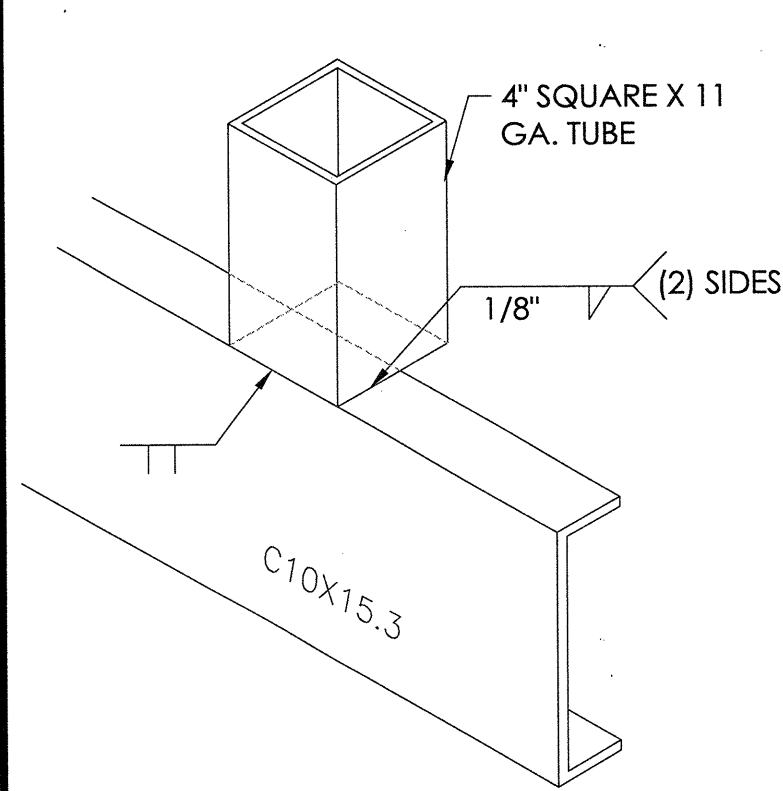
3 WELD DETAIL
23 NOT TO SCALE



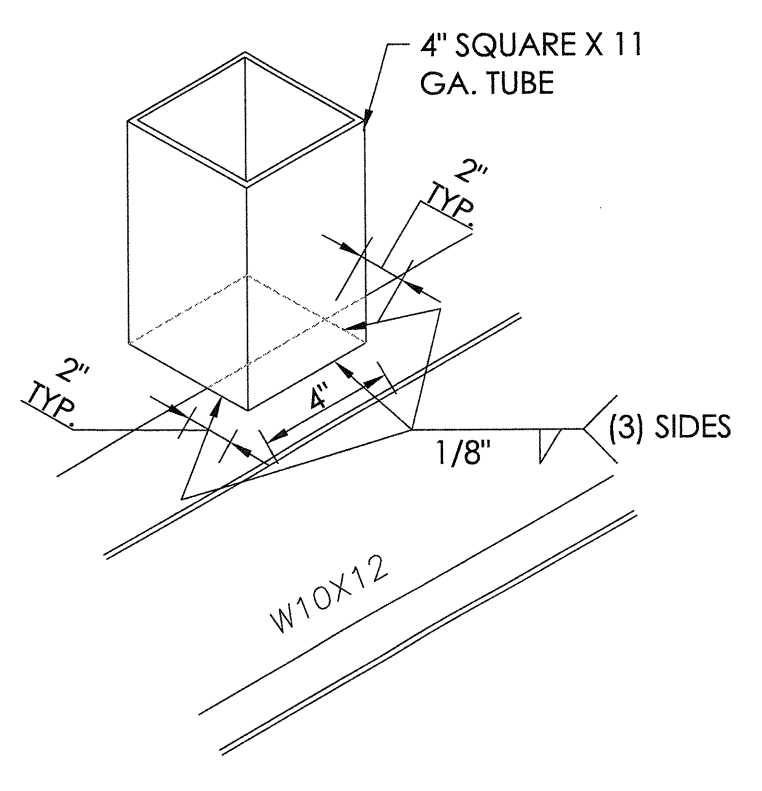
4 WELD DETAIL
23 NOT TO SCALE



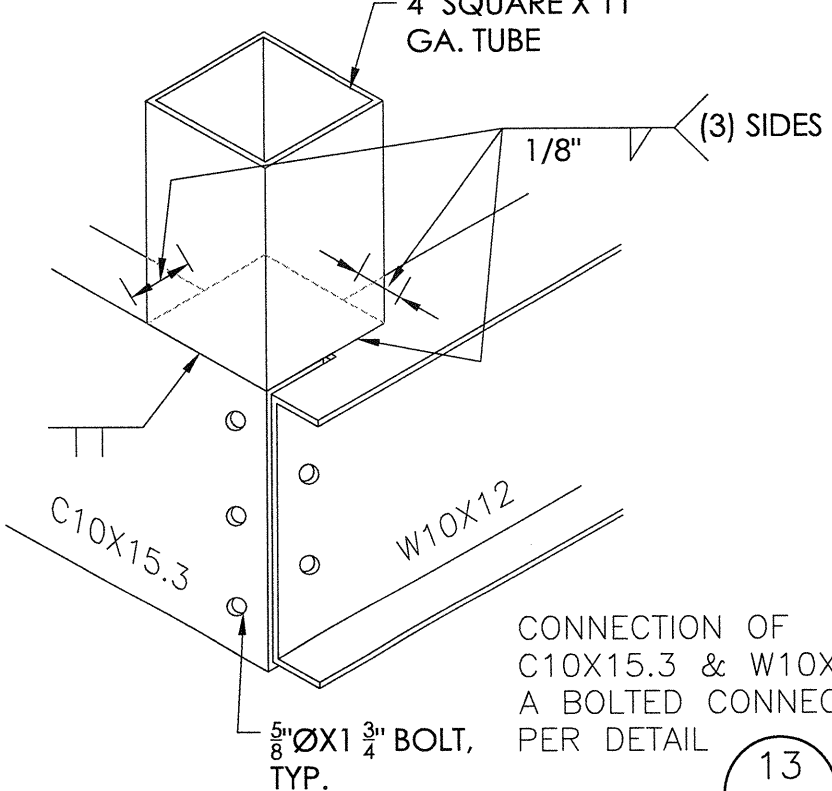
5 WELD DETAIL
23 NOT TO SCALE



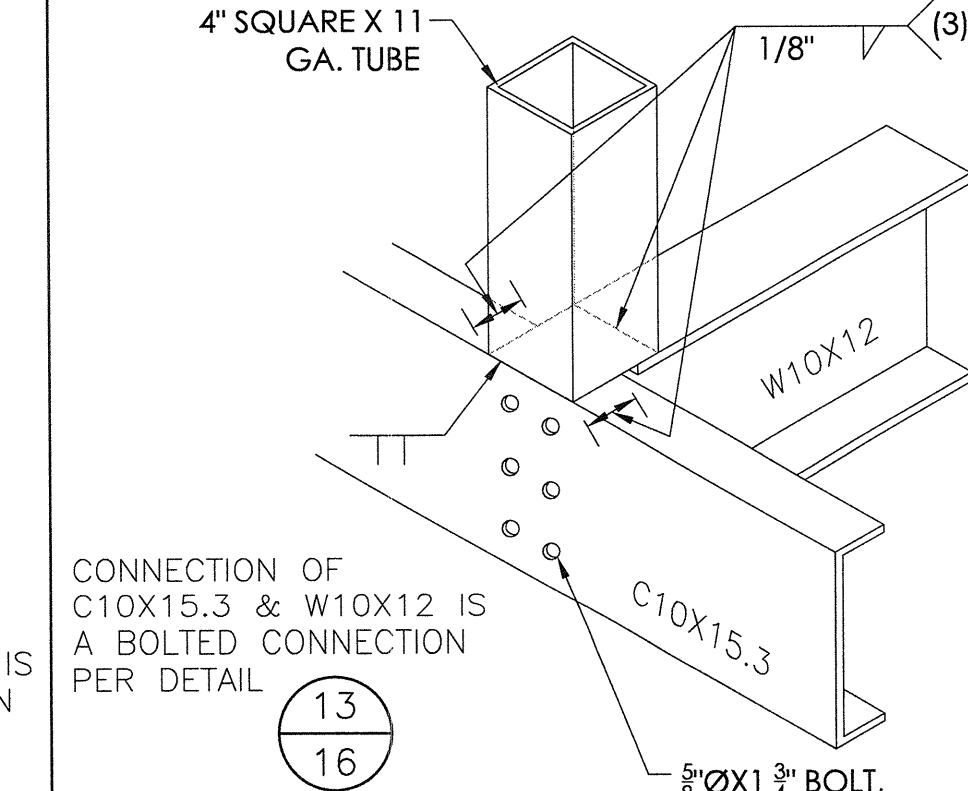
6 WELD DETAIL
23 NOT TO SCALE



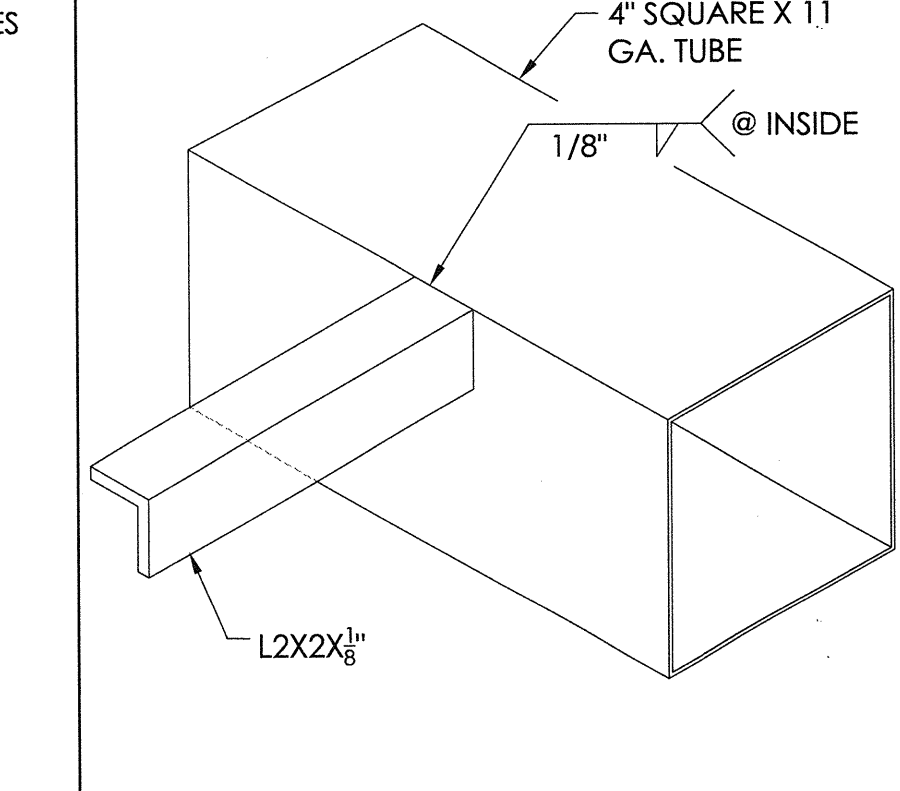
7 WELD DETAIL
23 NOT TO SCALE



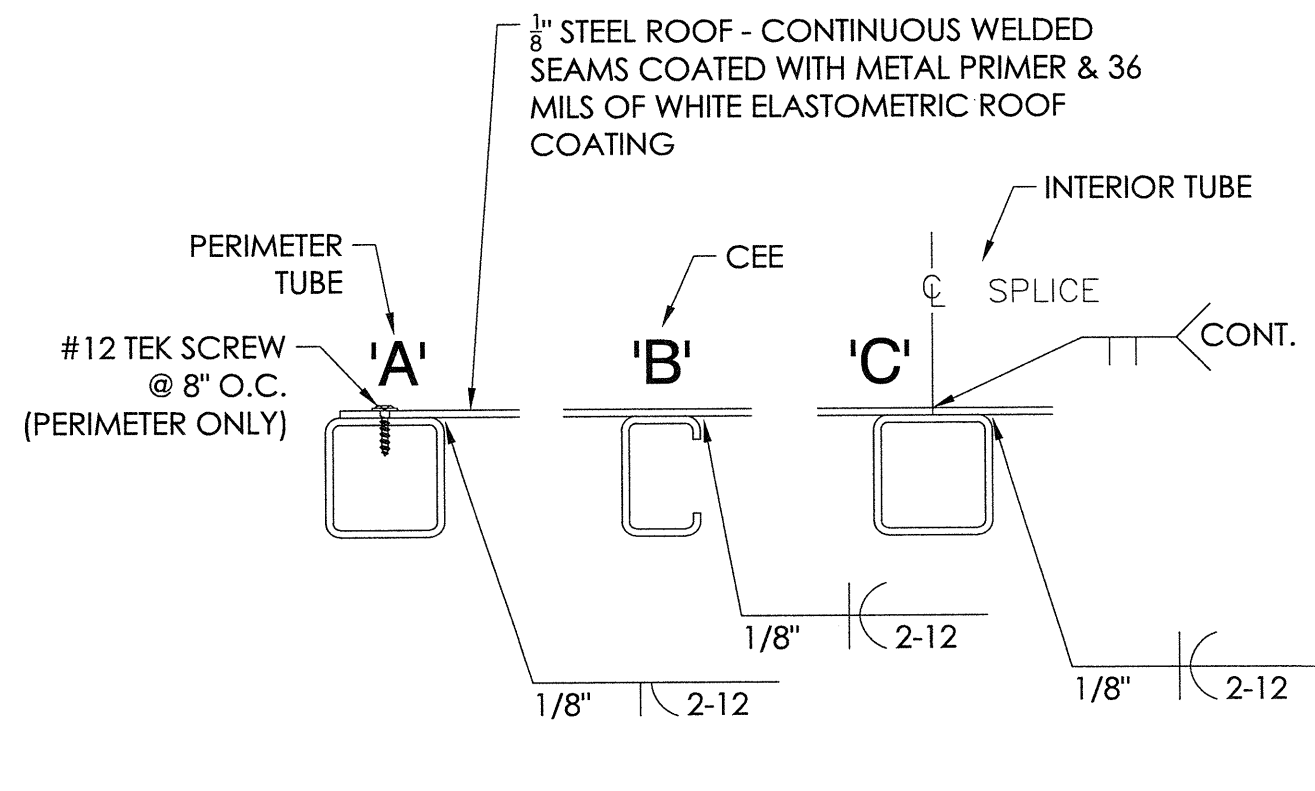
8 WELD DETAIL
23 NOT TO SCALE



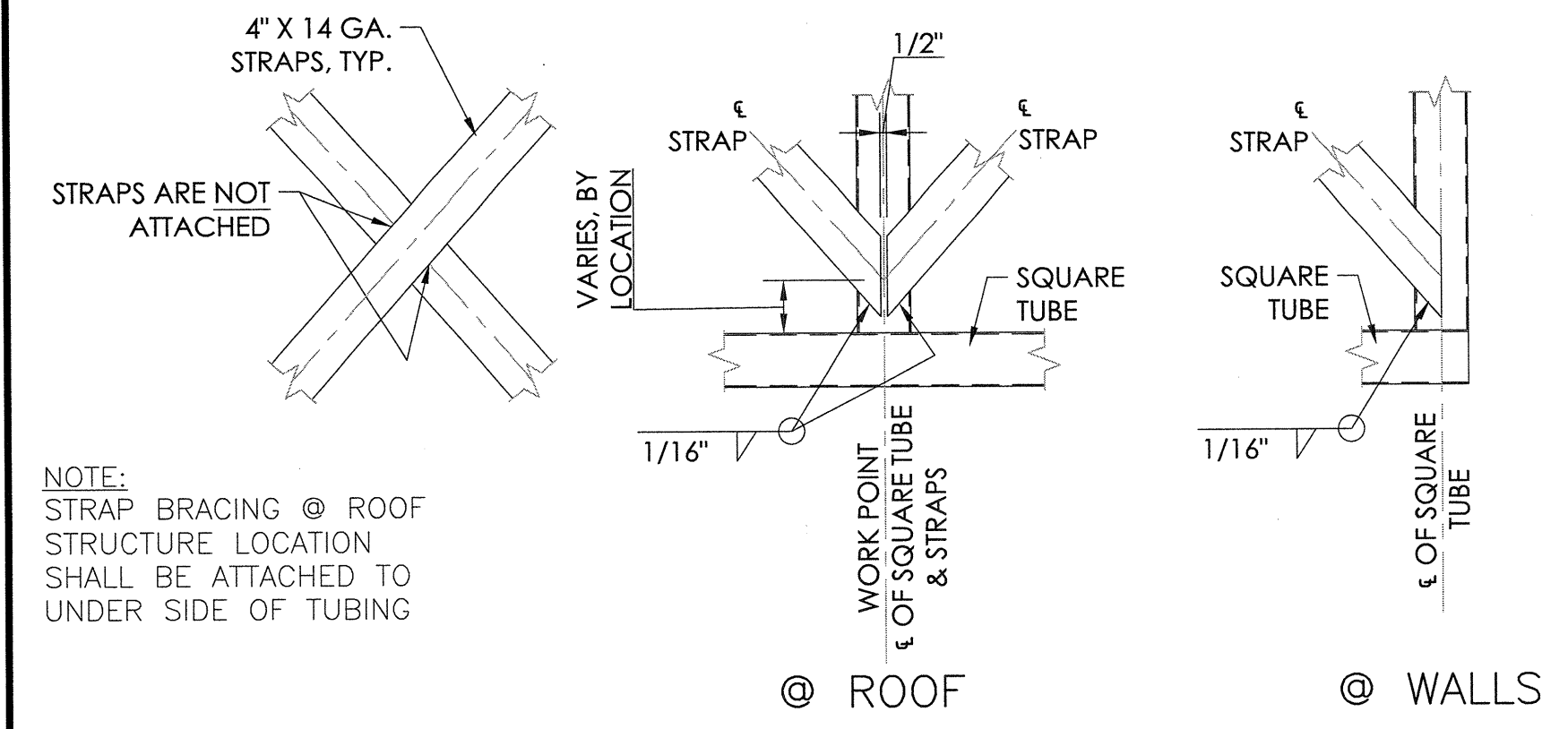
9 WELD DETAIL
23 NOT TO SCALE



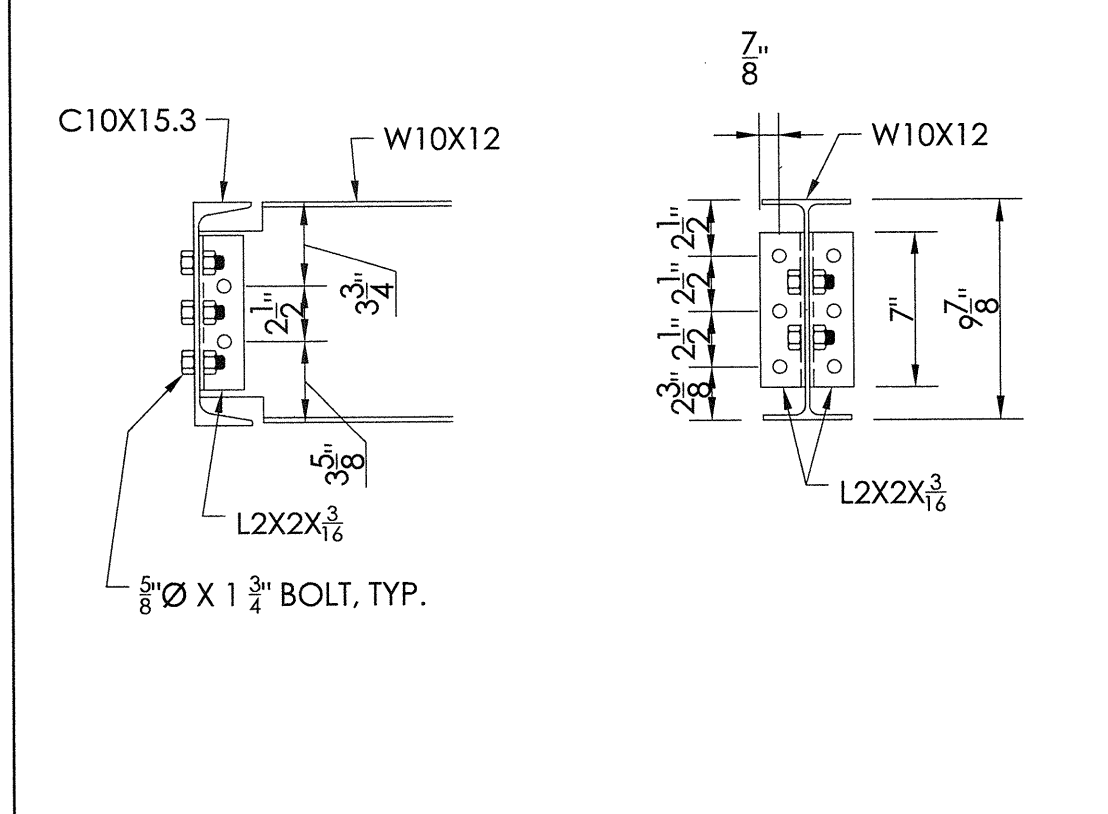
10 WELD DETAIL
23 NOT TO SCALE



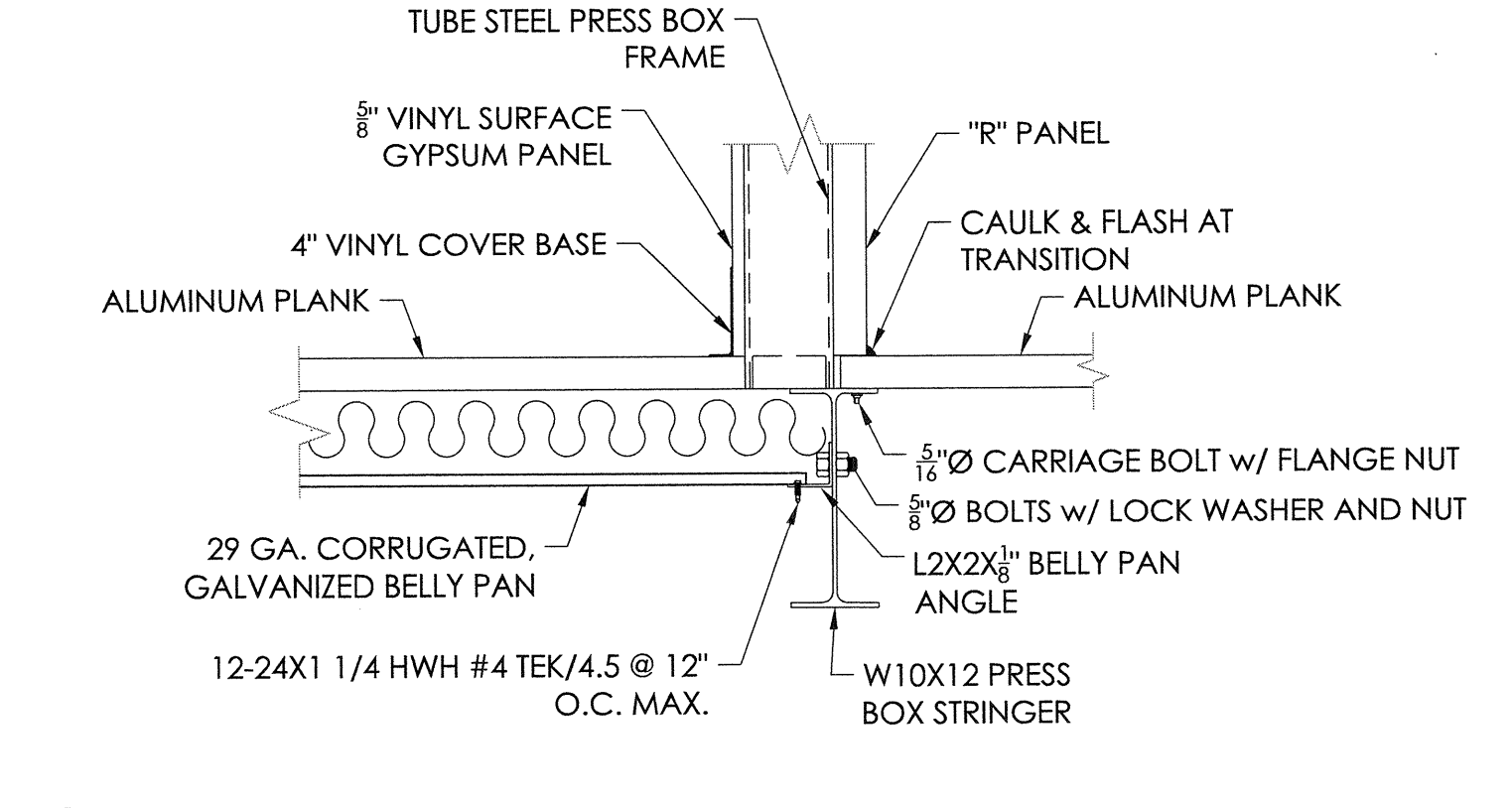
11 STEEL ROOF TO TUBING
23 NOT TO SCALE



12 TYP. STRAP CONN. DETAIL
23 NOT TO SCALE

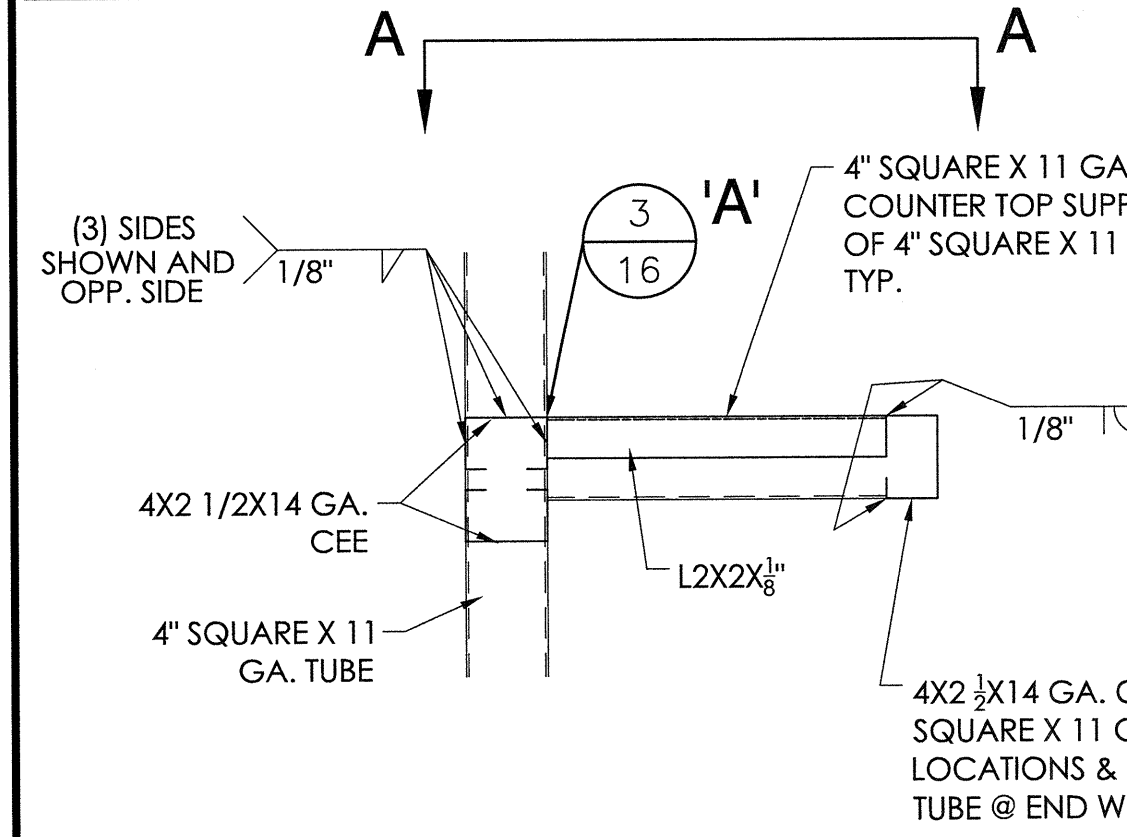


13 CHANNEL CONN. DETAIL
23 NOT TO SCALE

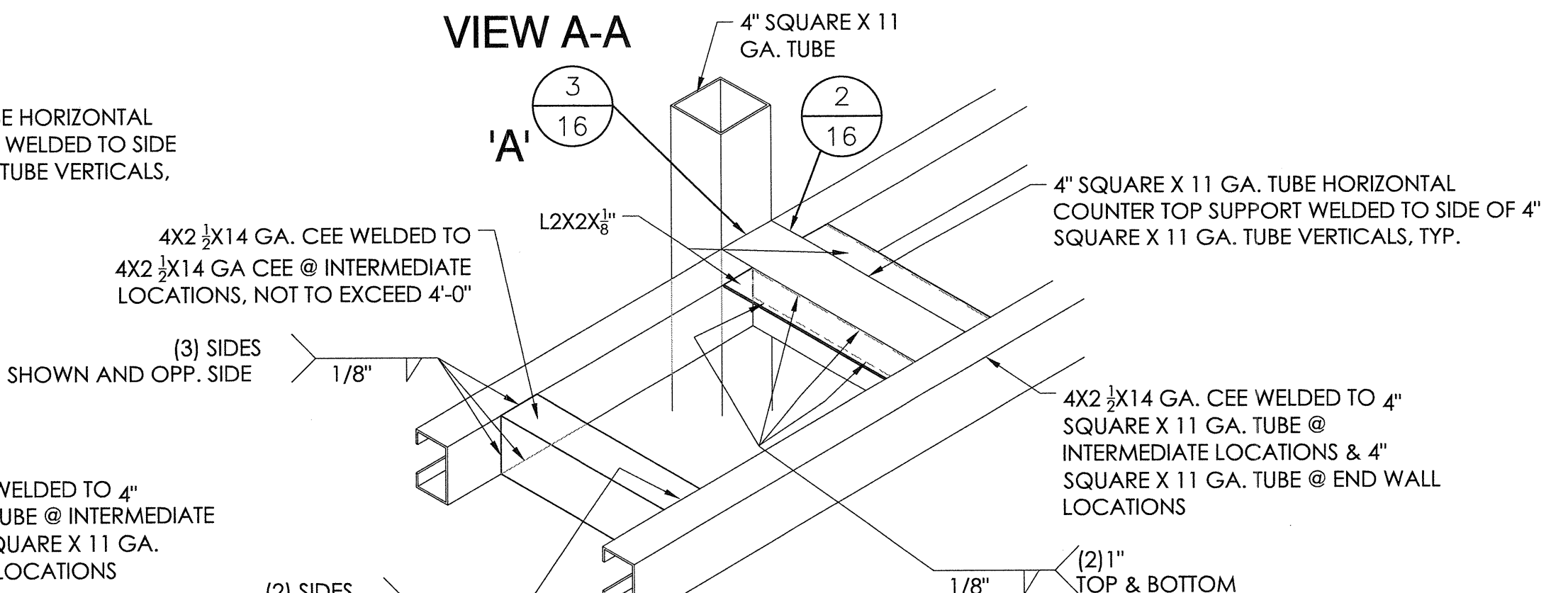


14 LANDING TRANSITION DETAIL
23 NOT TO SCALE

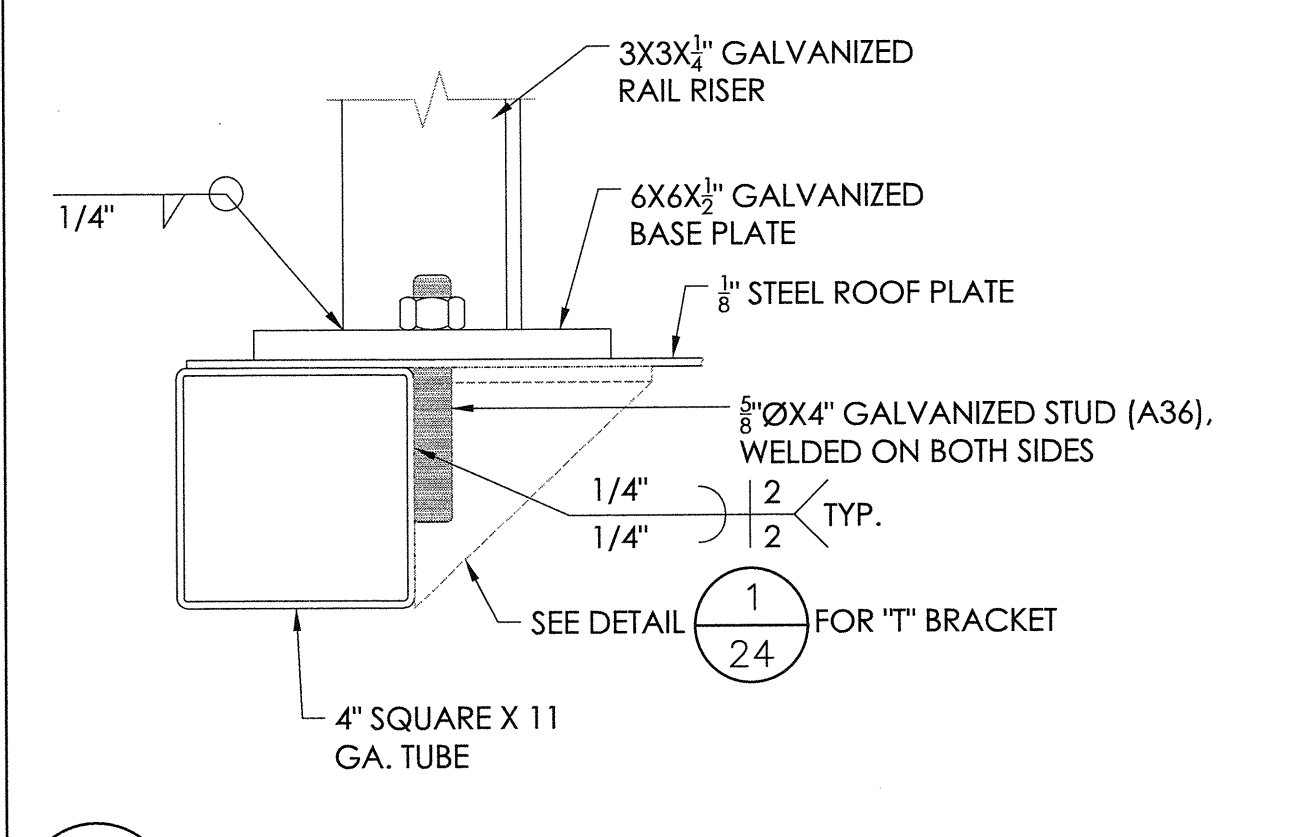
PANEL SELECTION	WIDTH in.	YIELD ksi	WEIGHT psf	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
				I _{xx}	S _{xx}	I _{xx}	S _{xx}
				(IN.4/FT.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)
2.5" CORRUGATED, 29 GA. ASTM A792 GALVALUME	24	60	.62	0.0050	0.0191	0.0050	0.0185



15 COUNTER TOP DETAIL
23 NOT TO SCALE



VIEW A-A
23 NOT TO SCALE



16 ROOF RAIL ATTACHMENT
23 NOT TO SCALE

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S 6087
Exp. 06/30/19
STRUCTURAL
STATE OF CALIFORNIA
11/02/18
SENIOR MANAGING ENGINEER

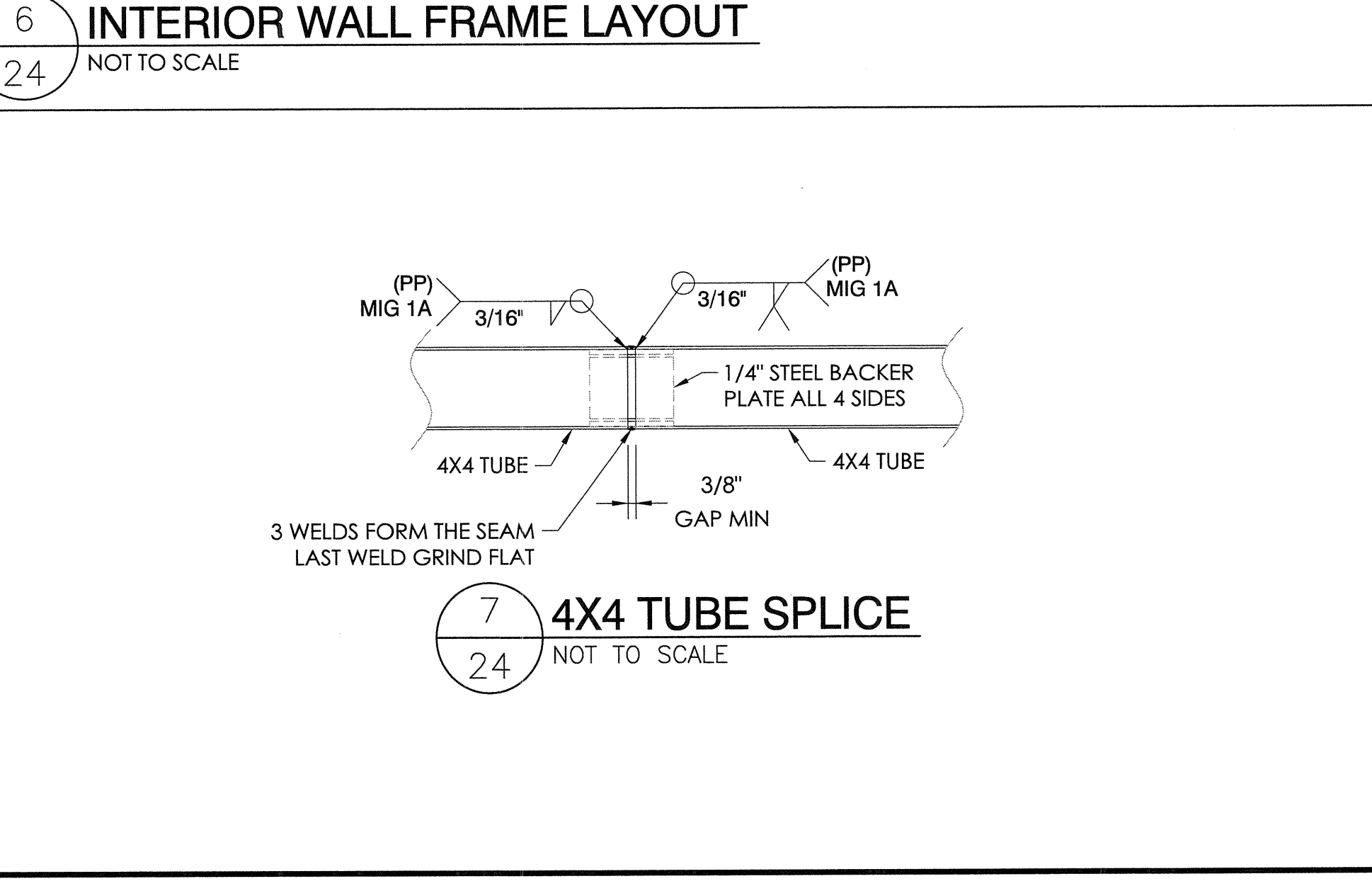
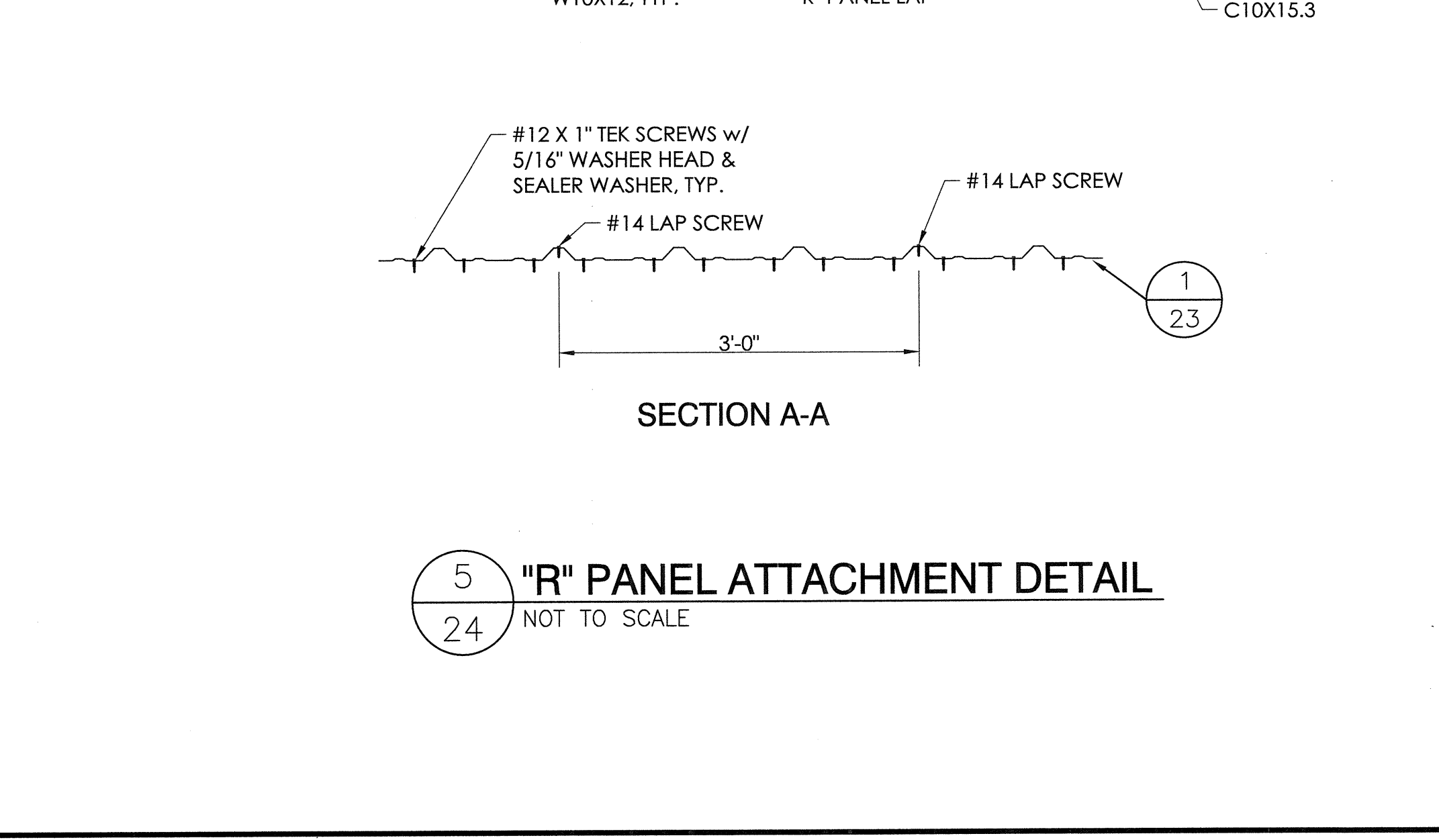
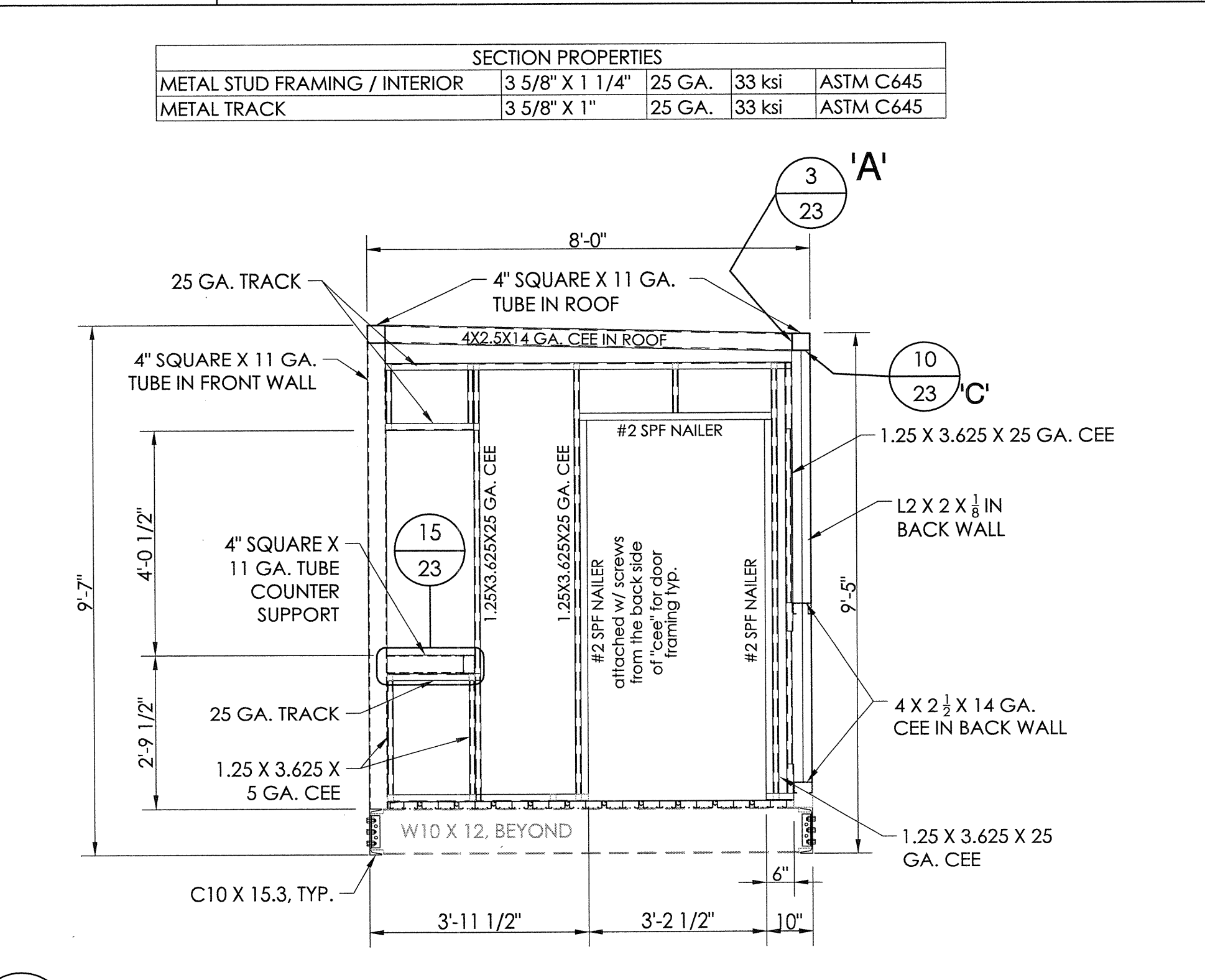
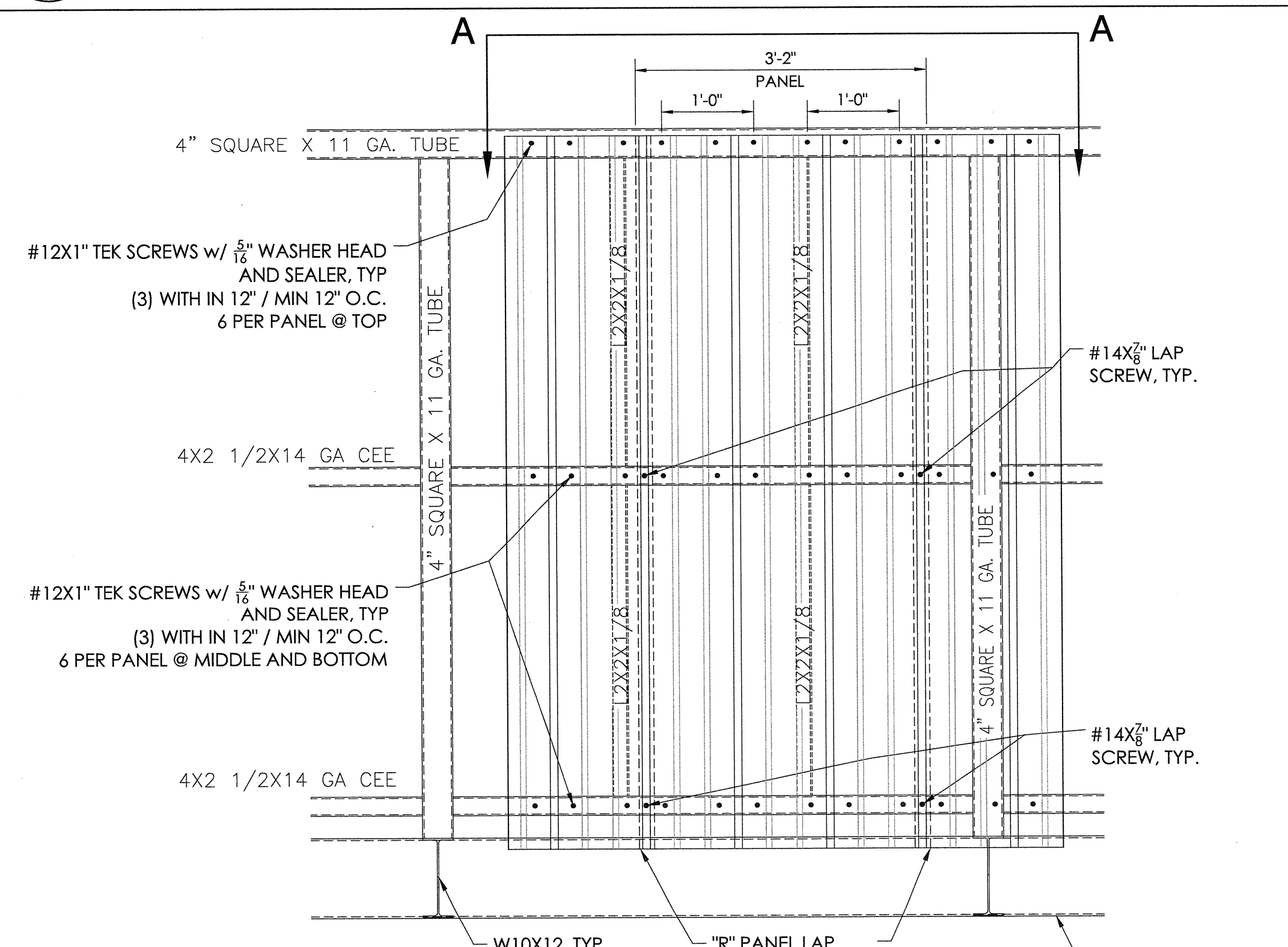
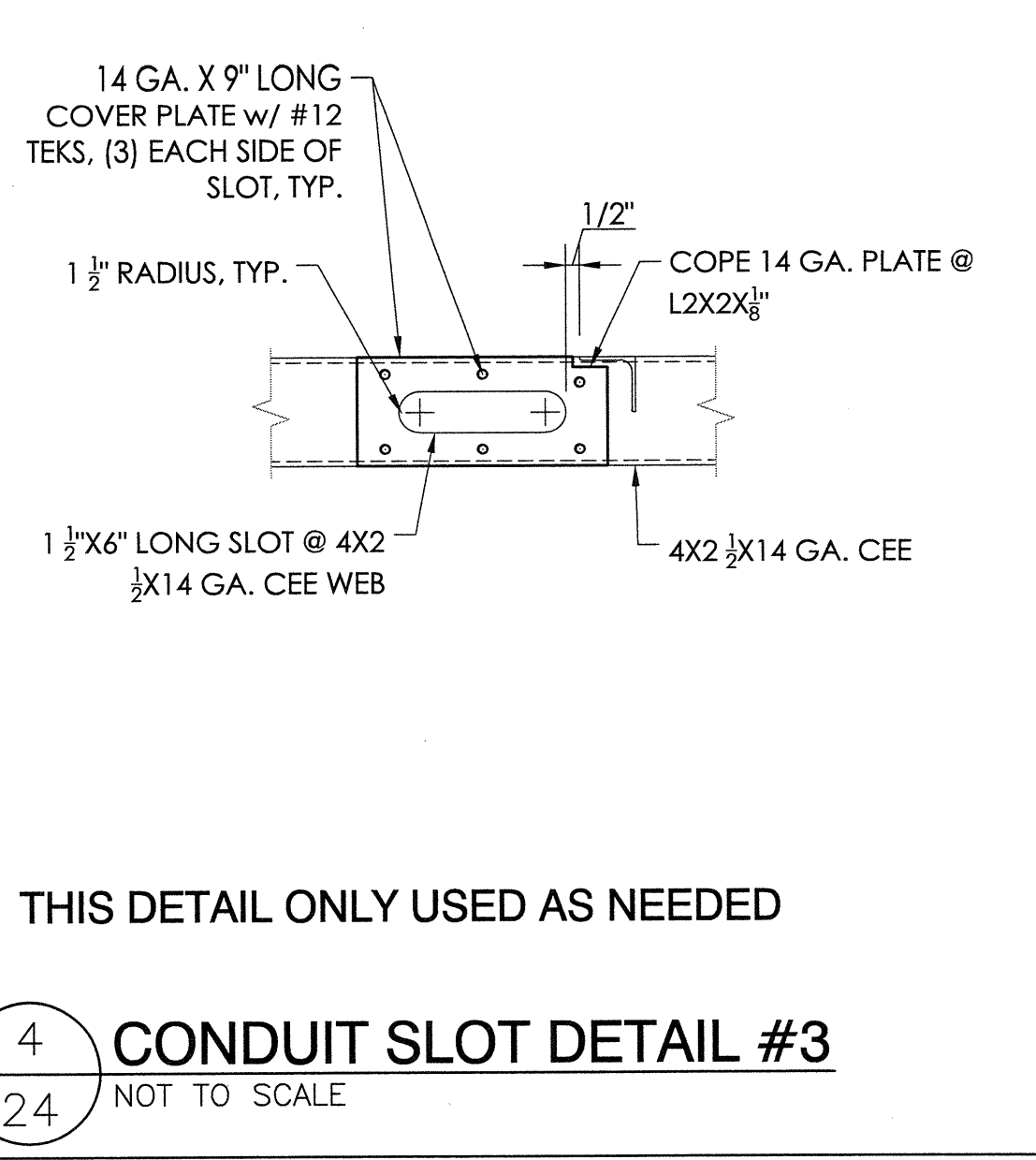
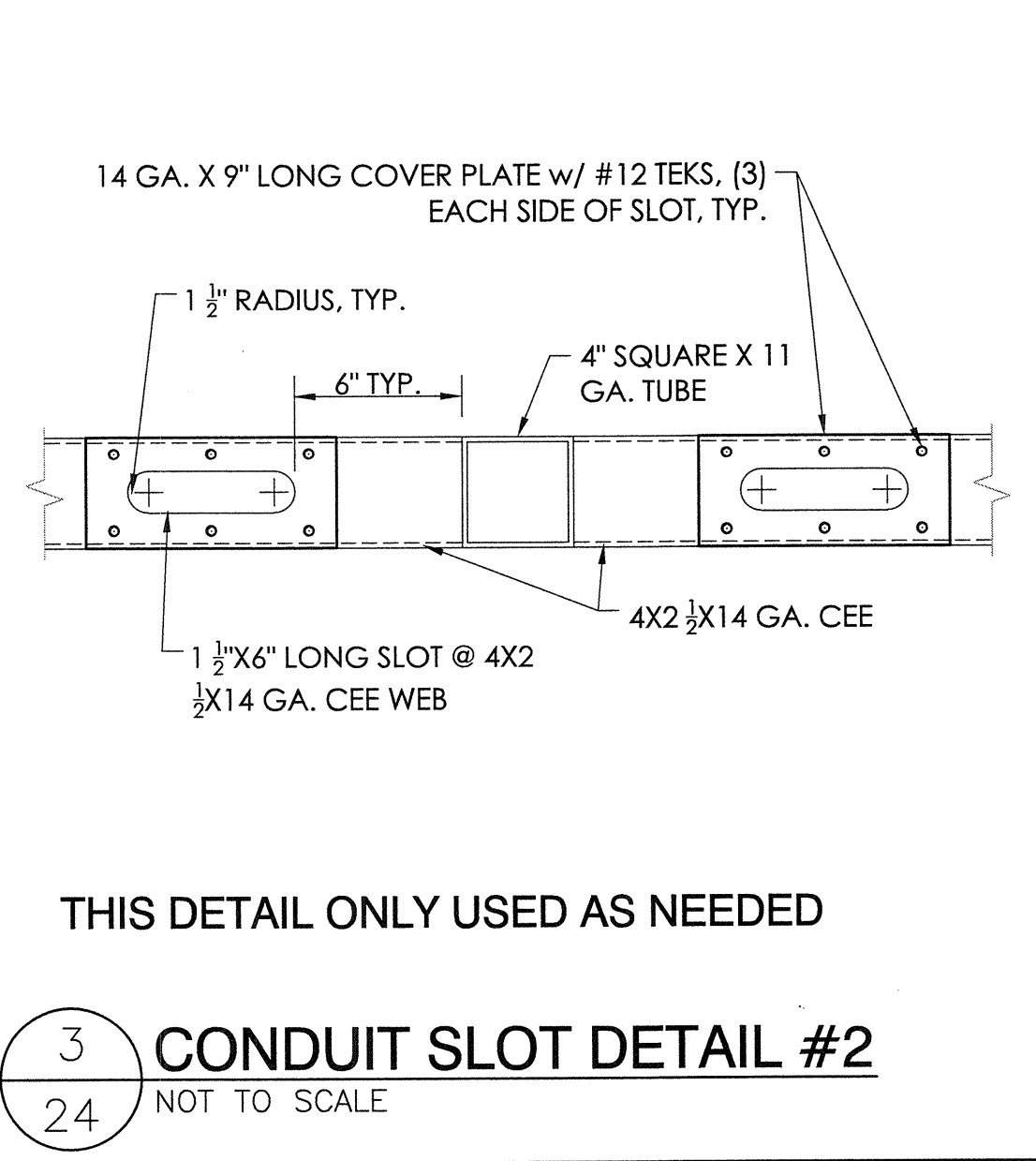
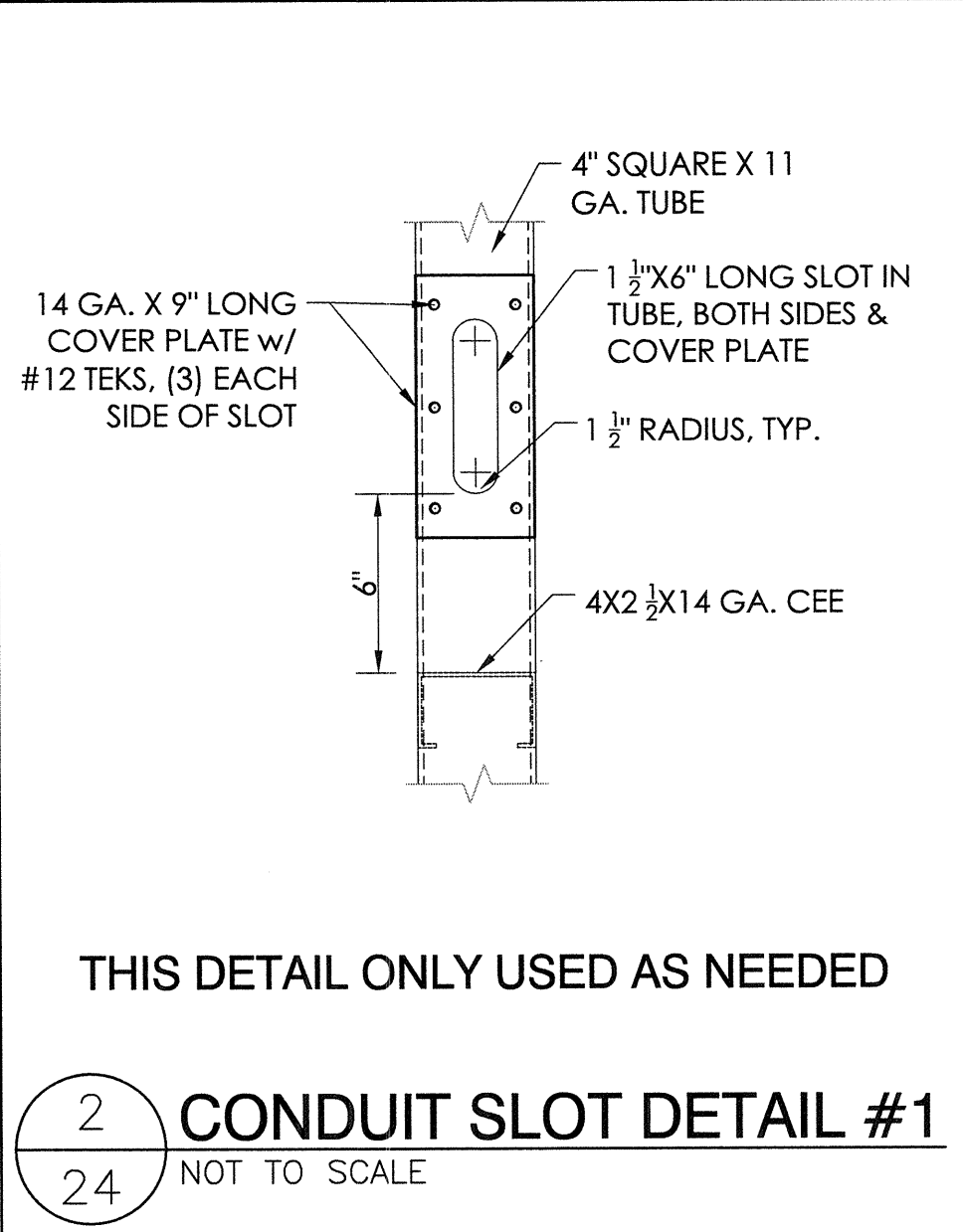
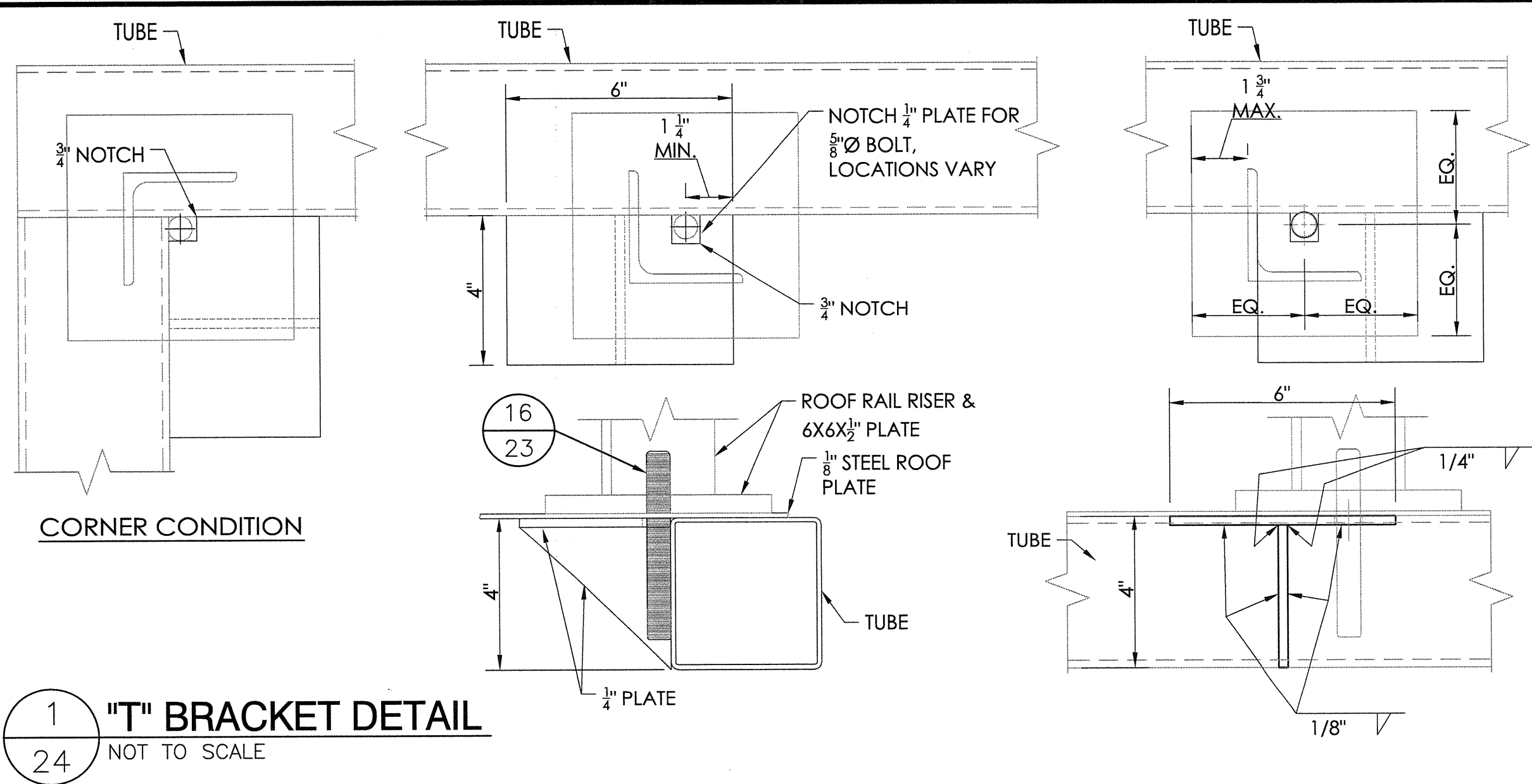
PRESS BOX DETAILS
8'-0" X 48'-0"

LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV	DATE	DESCRIPTION	BY	CHKD
1	7/11/18	JGS	ECM	DMc

JOB NUMBER: 18120
SHEET: 23 OF 29
NO CHANGE
DATE: 11/7/18
SCALE: 1/2 INDICATED

22" X 34" (1/16" = 1/2" indicated scale)



SECTION PROPERTIES					
METAL STUD FRAMING / INTERIOR	3 5/8" X 1 1/4"	25 GA.	33 ksi	ASTM C645	
METAL TRACK	3 5/8" X 1"	25 GA.	33 ksi	ASTM C645	

DETAIL NUMBER 1 SHEET SHOWN ON SHEET CUT FROM

STRUCTURAL ENGINEERS
CENTRAL OFFICE
5535 Oak Knoll Ave. Pasadena, CA 91101
Tel: (626) 792-4288
Fax: (626) 792-8881
http://www.tyfan.com

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ESTABLISHED 1946

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BRIAN T. DEAN
S 6087
Exp. 06/30/19
STRUCTURAL
STATE OF CALIFORNIA
11/02/18
SENIOR MANAGING ENGINEER

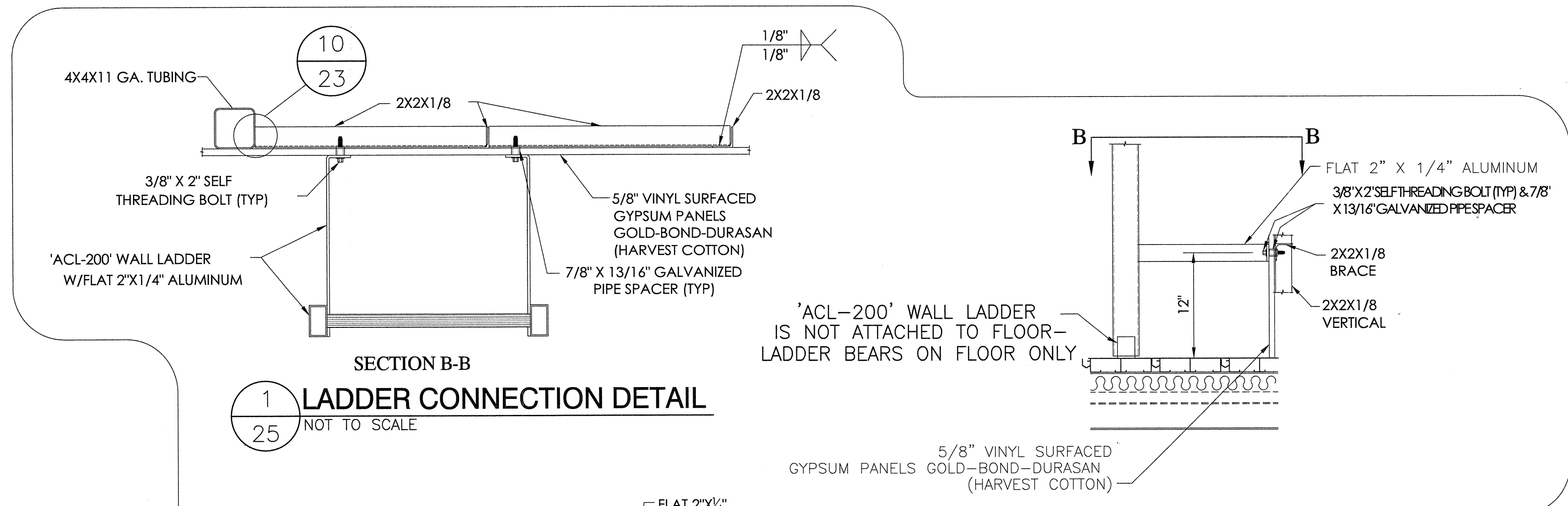
PRESS BOX DETAILS
8'-0" X 48'-0"

LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

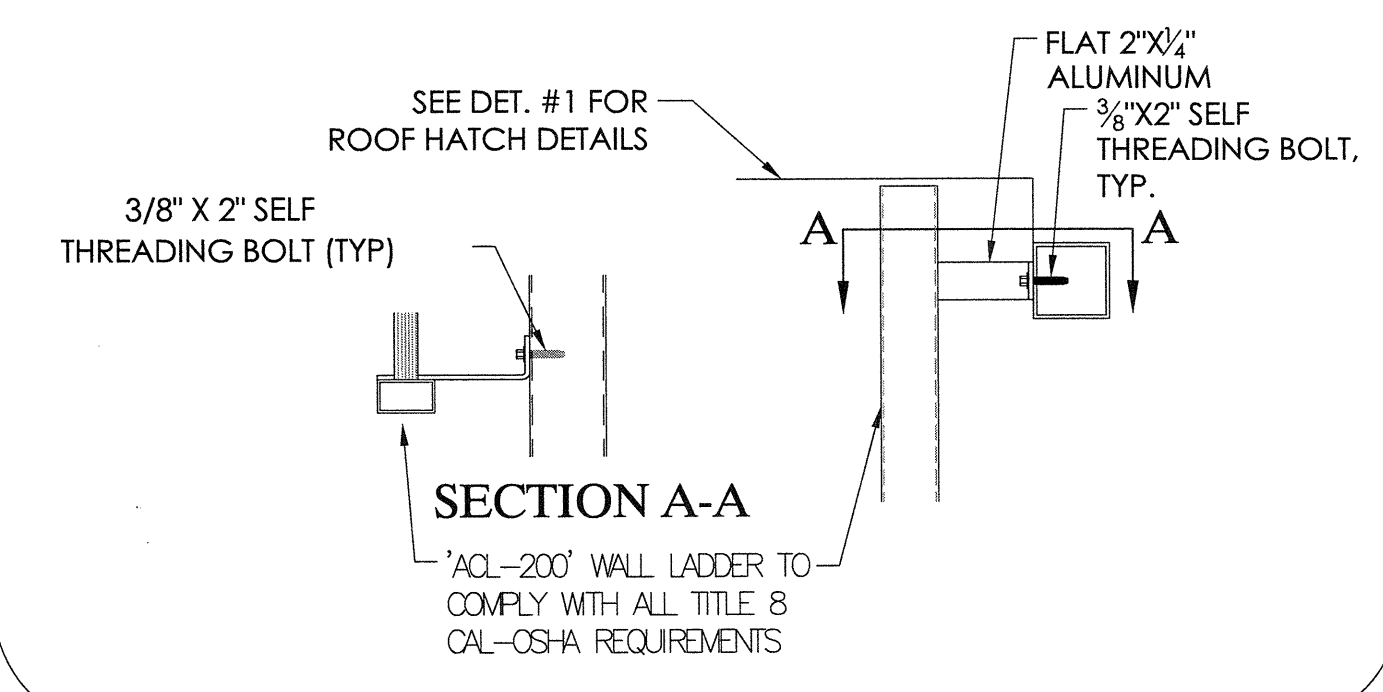
REV	BY	DATE	DESCRIPTION
1	JGS	11/7/18	NO CHANGE
2	JGS	10/2/18	NO CHANGE

DATE: 7/11/18
DRAWN: JGS
CHECKED: ECM/DMC
JOB NUMBER: 18120
SHEET: 24 OF 29

22" X 34" (11x17 = 1/2 indicated scale)

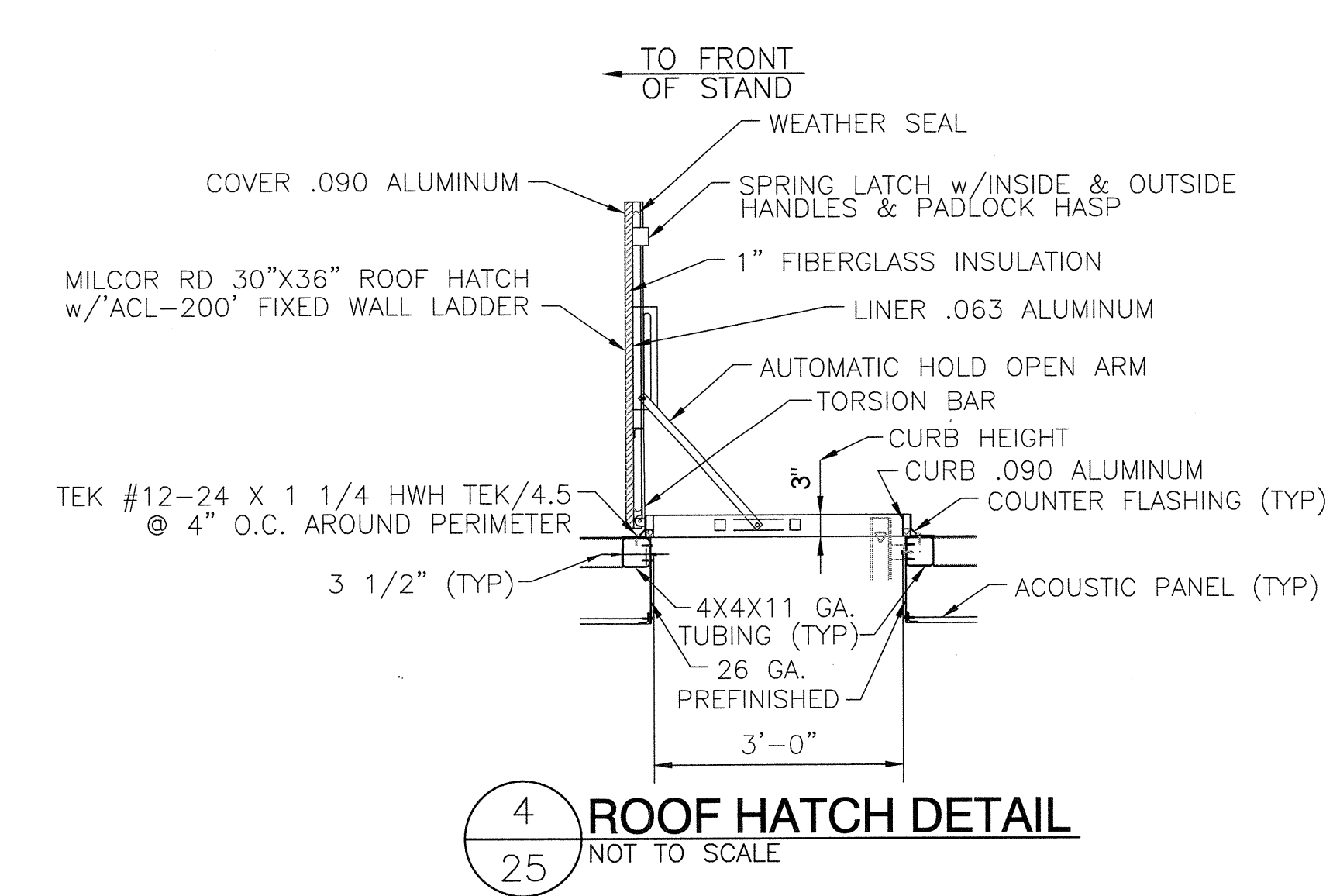


SECTION B-B
1 LADDER CONNECTION DETAIL
 NOT TO SCALE

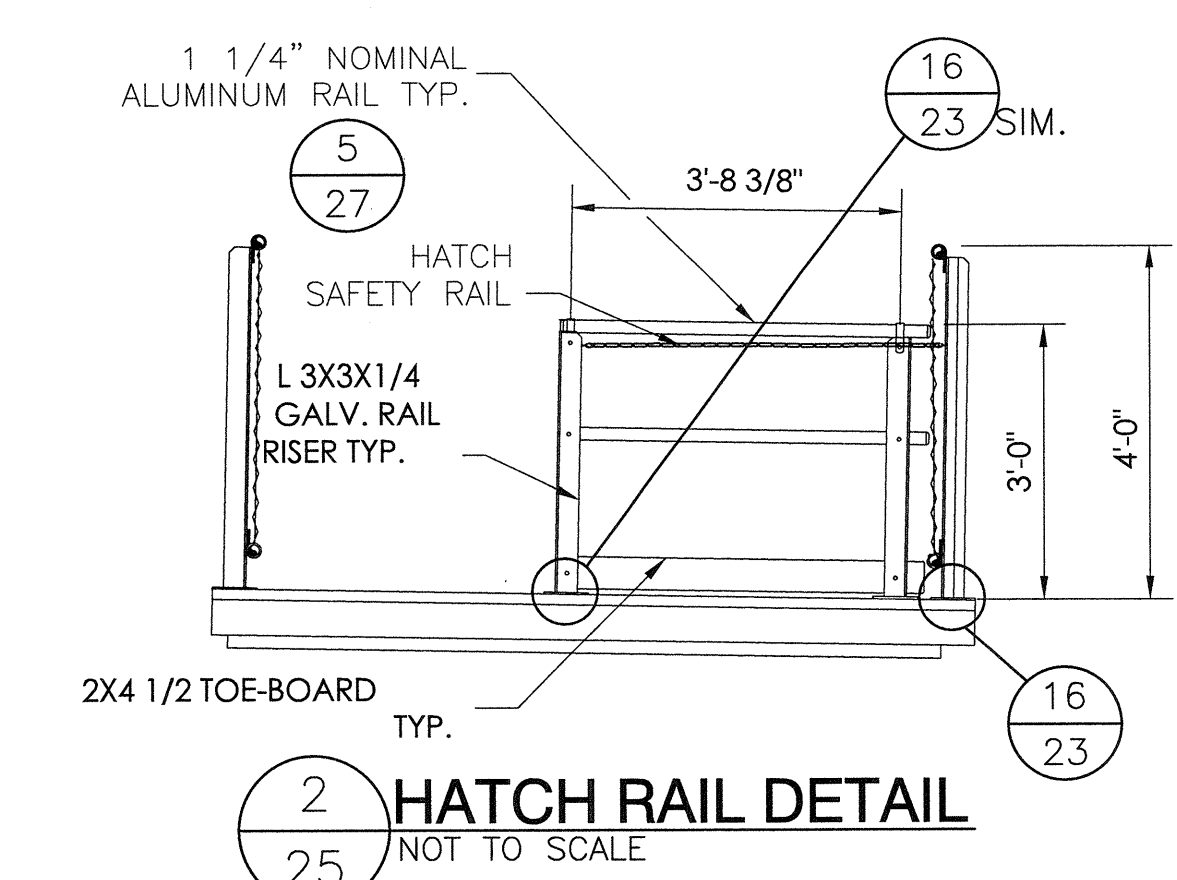


SECTION A-A
 'ACL-200' WALL LADDER TO COMPLY WITH ALL TITLE 8 CAL-OSHA REQUIREMENTS

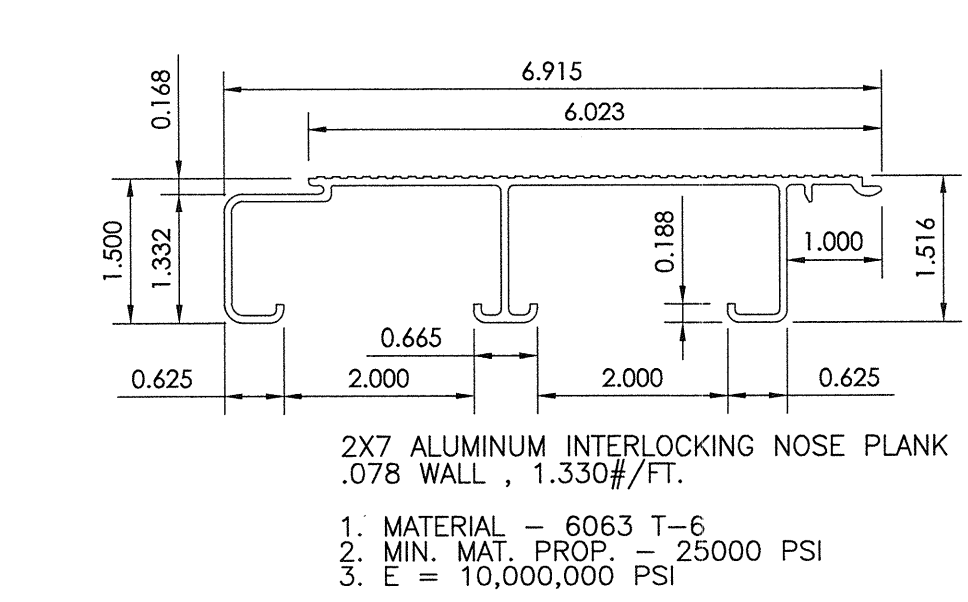
SECTION PROPERTIES				
METAL STUD FRAMING / INTERIOR	3 5/8" X 1 1/4"	25ga.	33ksi	ASTM C645



4 ROOF HATCH DETAIL
 NOT TO SCALE



2 HATCH RAIL DETAIL
 NOT TO SCALE



3 2 X 7 ALUMINUM (NOSE) INTERLOCKING PLANK DETAIL
 NOT TO SCALE

2X7 ALUMINUM INTERLOCKING NOSE PLANK
 .078 WALL, 1.330#/FT.
 1. MATERIAL - 6063 T-6
 2. MIN. MAT. PROP. - 25000 PSI
 3. E = 10,000,000 PSI

DETAIL NUMBER
 SHEET SHOWN ON SHEET CUT FROM

STRUCTURAL ENGINEERS
 CENTRAL OFFICE
 553 S. Oak Knoll Ave., Pasadena, CA 91101
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 Fax: (626) 792-8881
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 Established 1946

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 BRIAN T. DEAN
 S 6087
 Exp. 06/30/19
 STRUCTURAL
 STATE OF CALIFORNIA
 S&S 11/02/18
 SENIOR MANAGING ENGINEER

PRESS BOX DETAILS
 8'-0" X 48'-0"

LIBERTY UNION HIGH SCHOOL DISTRICT
 LIBERTY HIGH SCHOOL
 BRENTWOOD, CALIFORNIA

REV	DATE	DESCRIPTION
1	7/11/18	JGS ECM/DMc

JCS 11/2/18
 JCS 11/2/18

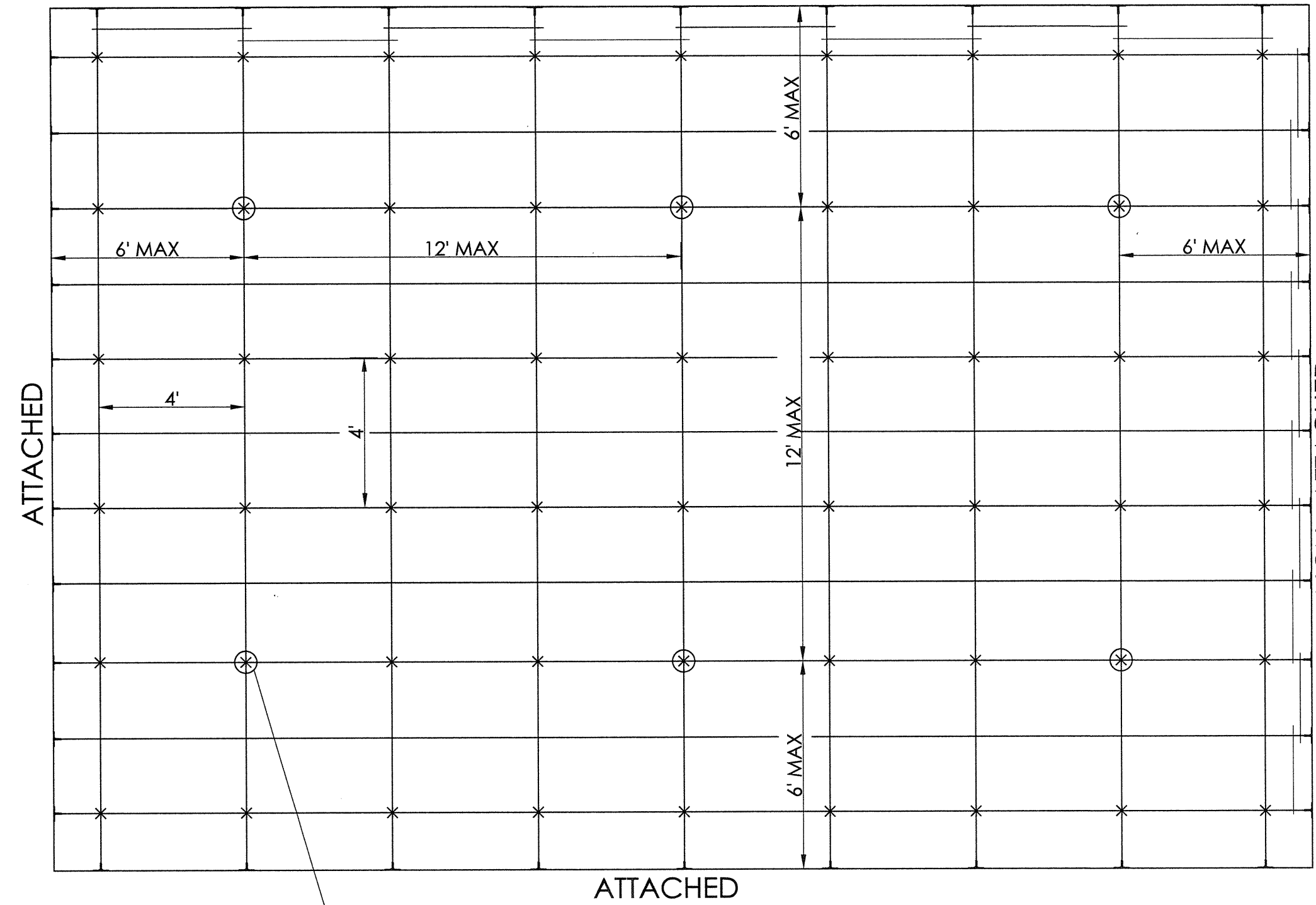
NO CHANGE
 NO CHANGE

JOB NUMBER
18120

SHEET
25 OF
29

22" X 34" (11 X 17 = 1/2 indicated scale)

NON - ATTACHED



X 12 GAUGE HANGER WIRE

⊗ LATERAL BRACING LOCATION
(USE WHEN CEILING EXCEEDS 144 SQ. FT. OR 96 SQ. FT. ON FIRE RATED ASSEMBLIES WHEN WALLS ARE DIRECTLY ATTACHED TO ROOF FRAMING)

NOTES:

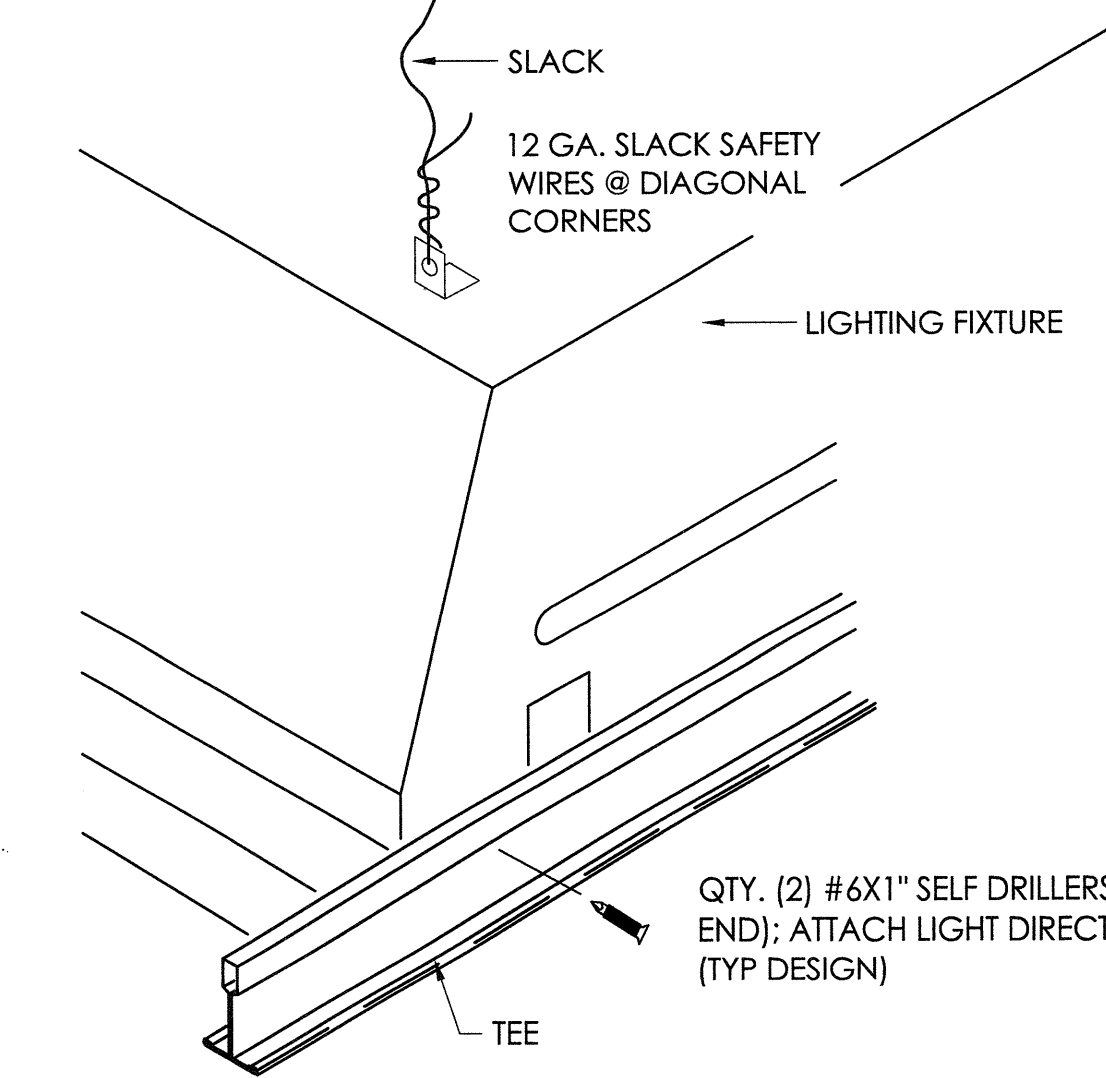
WALLS SHALL BE ATTACHED WITH 1/8" RIVETS OR SEISMIC CLIPS. ADJACENT WALL SHALL REST ON 2" WALL ANGLE.

ADDITIONAL HANGER WIRES ARE REQUIRED AT ALL WALLS. 8" MAX DISTANCE FROM WALL OR 1/4" DISTANCES THE LENGTH OF THE MEMBER, WHICHEVER IS SHORTER. WHEN GRID MEMBERS ARE 8" OR LESS, OMIT HANGER WIRE.

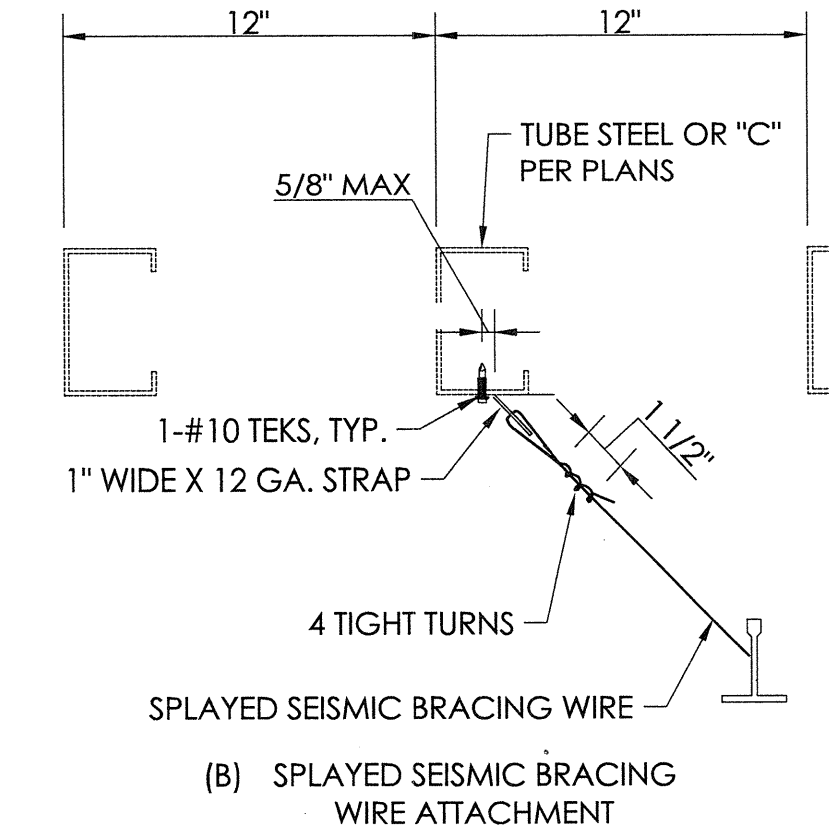
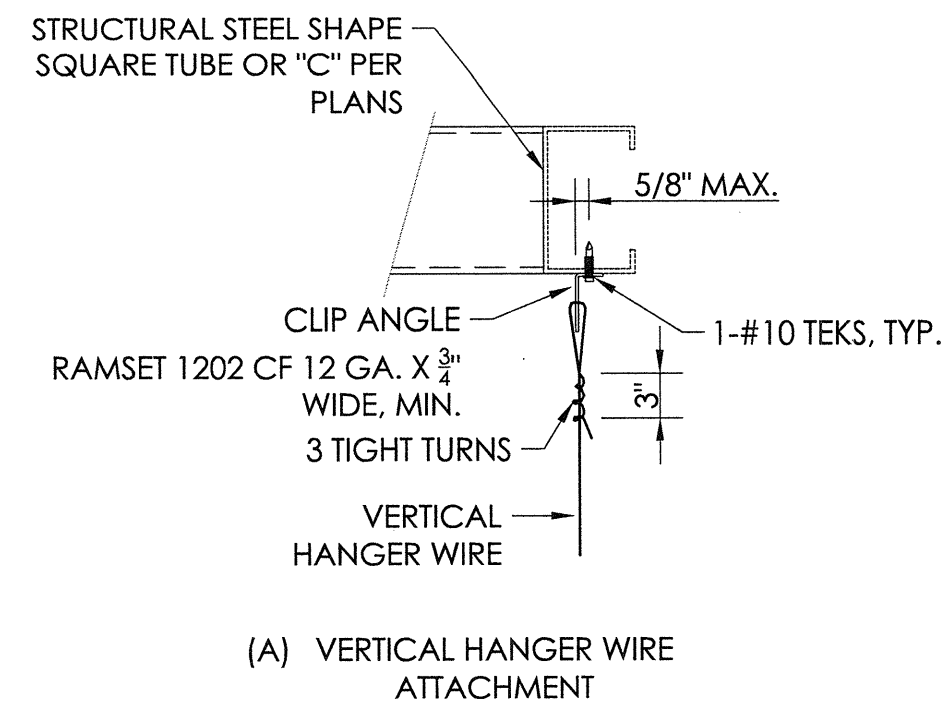
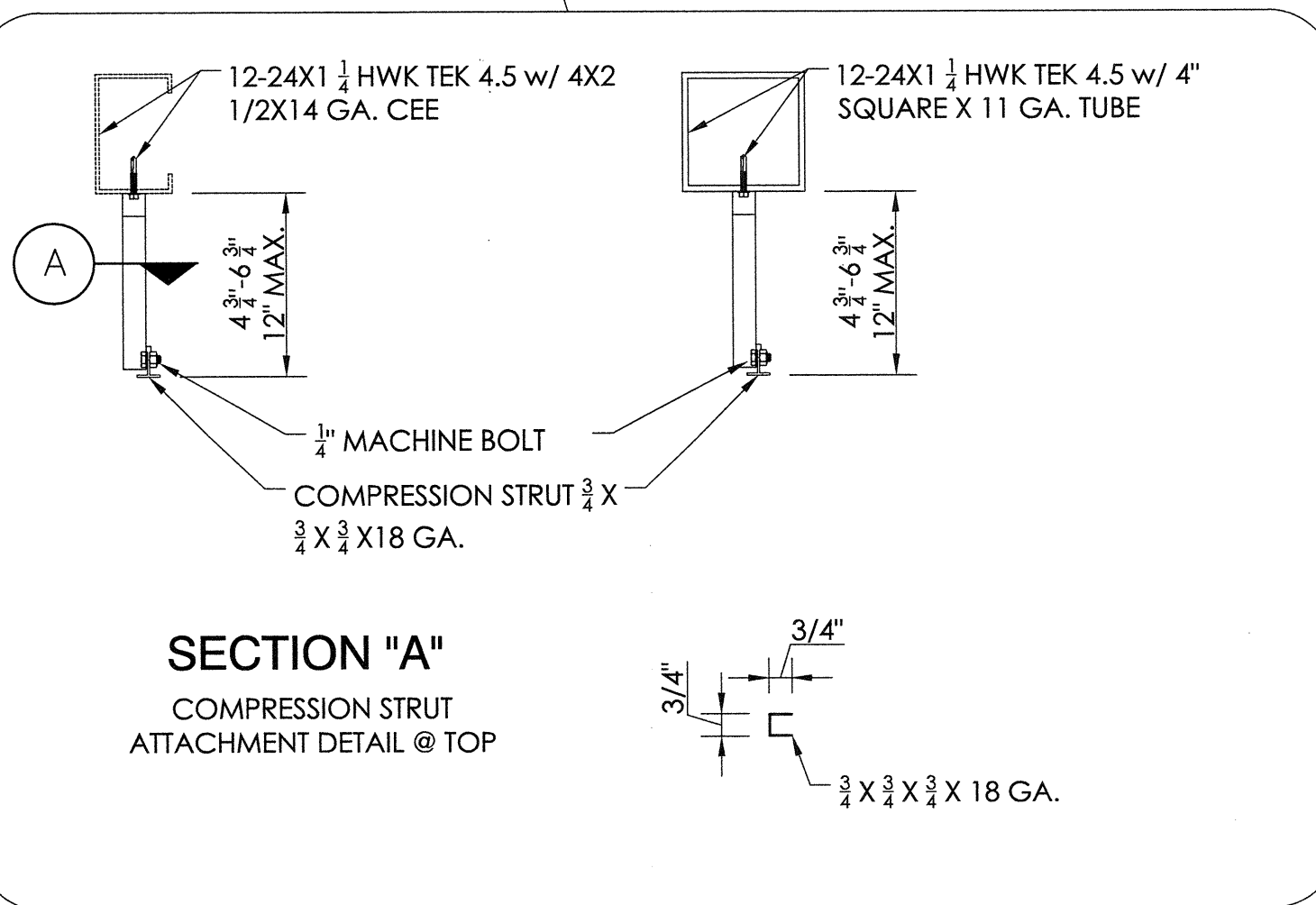
INTERCONNECTION BETWEEN THE RUNNERS AT WALL WHEN RUNNER EXCEEDS 12" @ UNATTACHED WALLS, TYP. DESIGN. SPACERS NOT REQUIRED WITH SEISMIC CLIPS.

1 CEILING DETAIL
26 NOT TO SCALE

QTY (2) PER 1'X4' FIXTURE (OPPOSITE CORNERS) NOT EXCEEDING 56LBS.
QTY (4) PER 2'X4' FIXTURE (EACH CORNER) NOT EXCEEDING 56LBS.



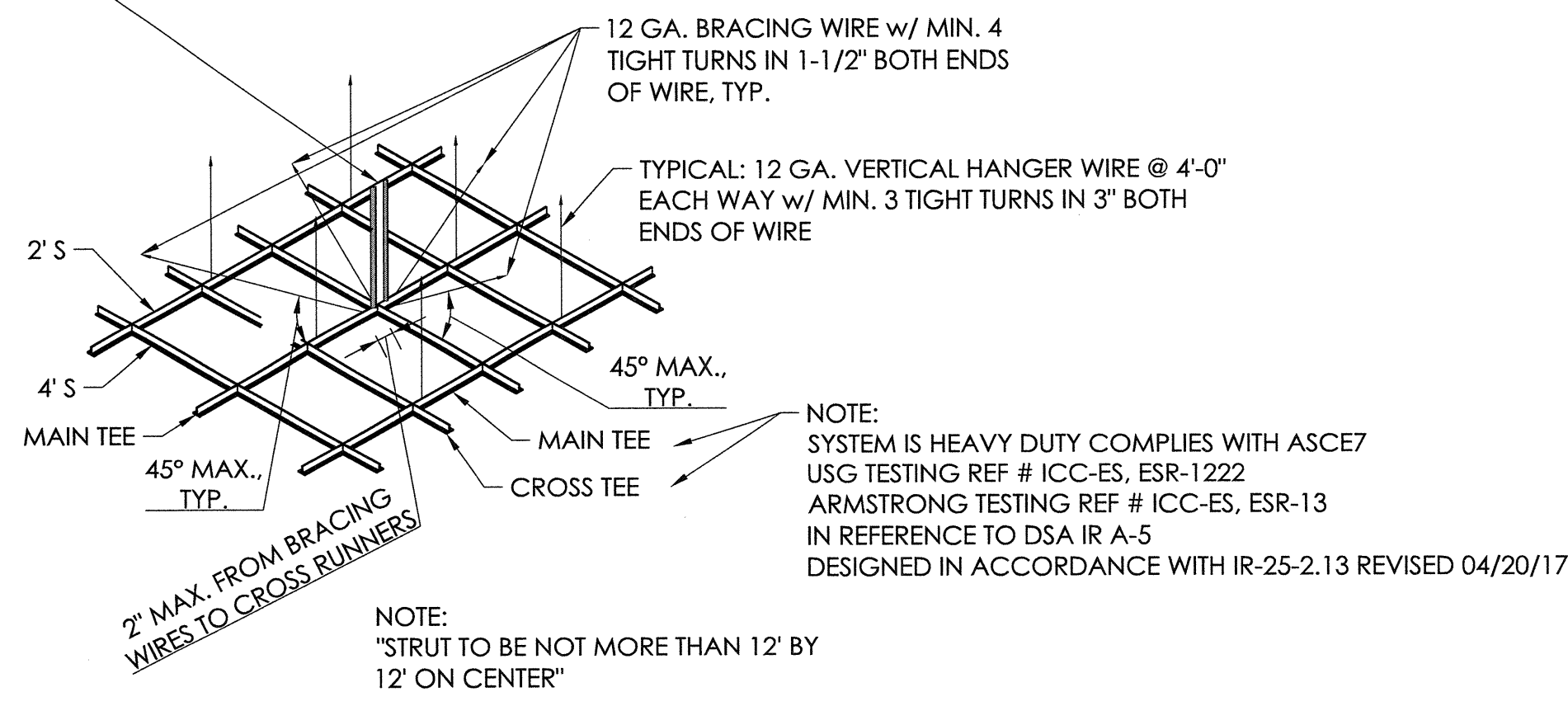
QTY. (2) #6X1" SELF DRILLERS (EACH END); ATTACH LIGHT DIRECT TO GRID. (TYP DESIGN)



ACCEPTABLE DETAILS PER FIG. 5(A)-IR-25-2.13

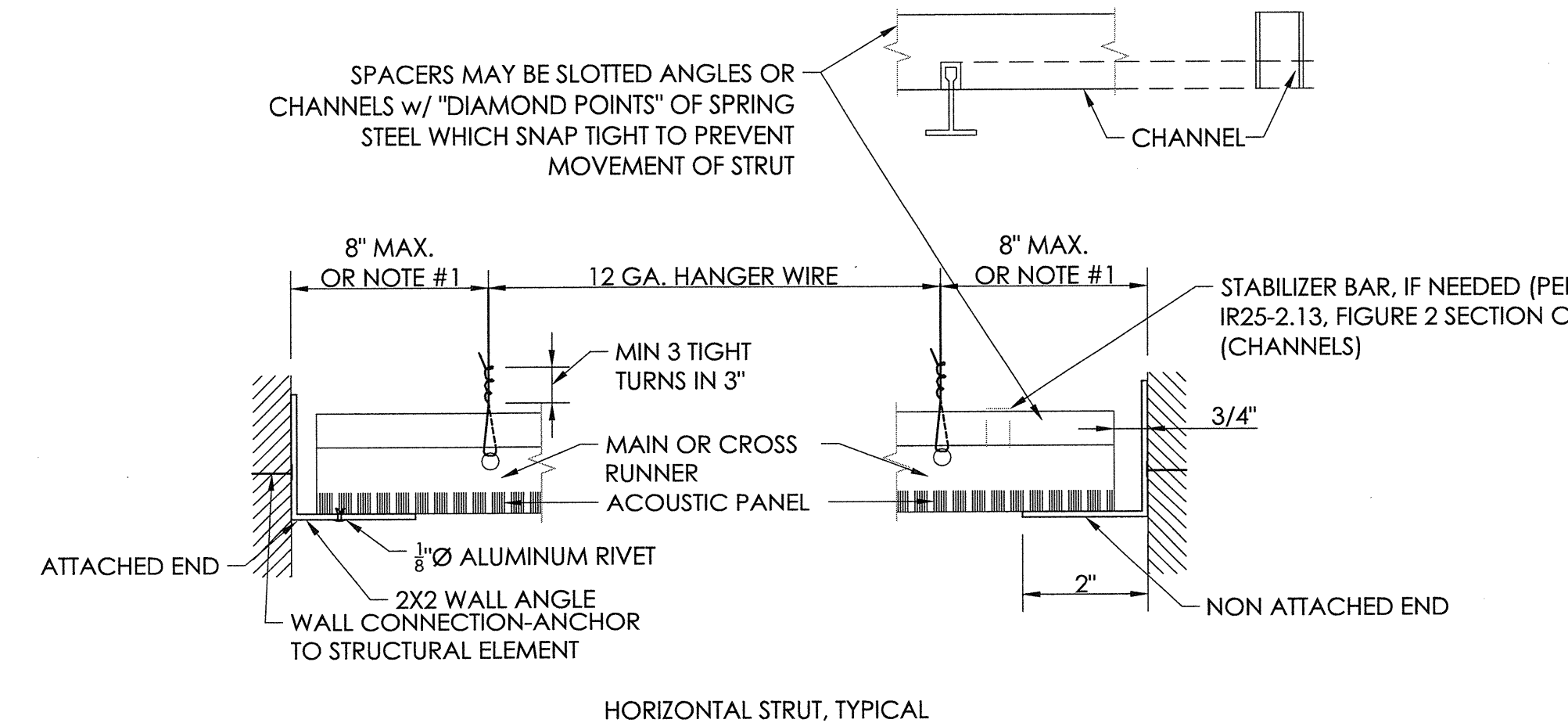
HEAVY DUTY / ASTM CLASS / FIRE RATED		
Donn BRAND:		
Donn 2215	2X2 TILE/PANEL	
Donn DXL 216	2' TEES	
Donn M20SM	WALL ANGLE 2"	
Donn L-15	HOLD DOWN CLIPS	
Donn DXL 424	4' TEES	
Donn DXL 116	1' TEES	
Donn DXL 26	MAIN T's	
ARMSTRONGS BRAND:		
PRELUDE		
8301 HD	12' MAINS	
8341 HD	4' CROSS T's	
8323 HD	2' CROSS T's	
8313 HD	1' CROSS T's	
	2" WALL ANGLE	

COMPRESSION STRUT REQUIRED ON CEILINGS WHEN CEILING EXCEEDS 144 SQ.FT. AND WALL IS ATTACHED DIRECTLY TO ROOF/CEILING FRAMING. USE AS COMPRESSION STRUT TURN VERTICAL WHEN REQUIRED. 3/4 X 3/4 X 18 GA. COMPRESSION STRUTS: STEEL SECTION WITH L/R RATIO OF 200 MAXIMUM. ATTACH TO MAIN RUNNERS w/ 12-24 X 1 1/2 HWK TEK 4.5 TO 4 X 2 1/2 X 14 GA. CEE OR 4" SQUARE X 11 GA. TUBE w/ 12-24 X 1 1/2 HWK TEK 4.5. COMPRESSION STRUT SHALL NOT REPLACE HANGER WIRE.



REFERENCE DSA IR 25-2.13 DATED APRIL 20, 2017

TYPICAL DESIGN WHEN USING 2" ANGLE



NOTES:
1. 8" FROM WALL OR 1/4 OF THE LENGTH OF THE END RUNNER WHICHEVER IS LESS, WHEN RUNNER EXCEEDS 8"

DETAIL NUMBER 1 SHEET SHOWN ON 3 SHEET CUT FROM

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CENTRAL OFFICE
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Established 1946

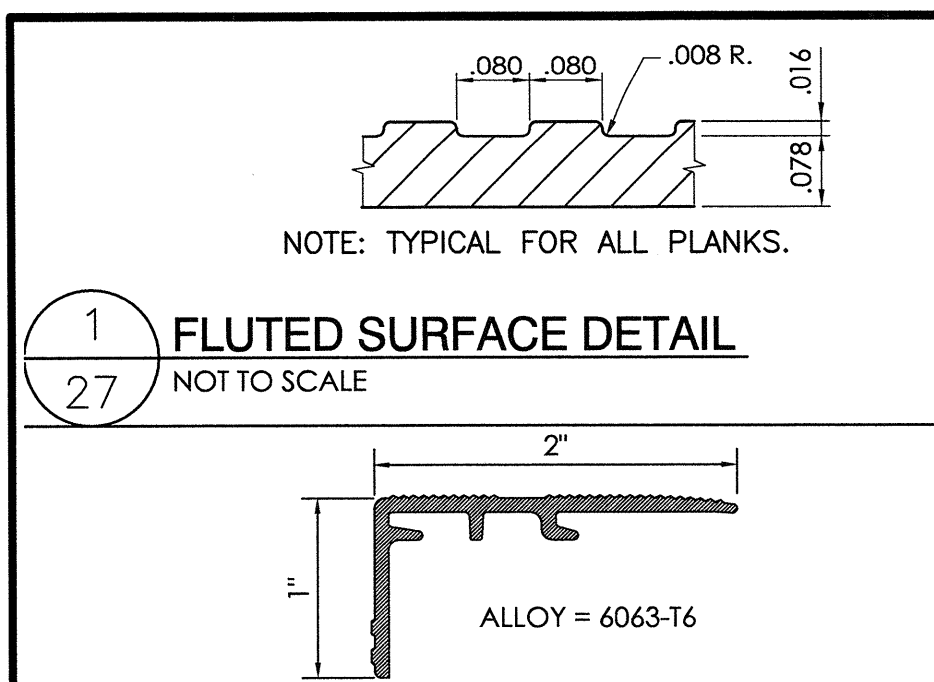
REGISTERED PROFESSIONAL ENGINEER
BRIAN T. DEAN
S 6087
Exp. 06/30/19
STRUCTURAL
STATE OF CALIFORNIA
565
11/02/18
SENIOR MANAGING ENGINEER

CEILING DETAIL
8'-0" X 48'-0"

LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV	DATE	DESCRIPTION	BY	CHECKED
1	7/11/18	JGS	ECM	DMc

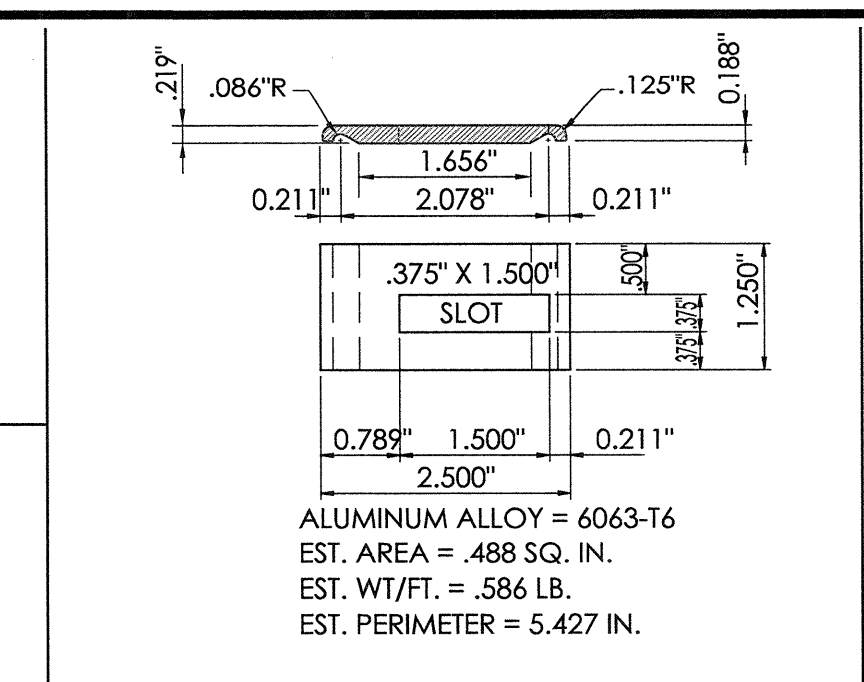
JOB NUMBER 18120
SHEET 26 OF 29
22' X 34' (1:17 = 1/2 indicated scale)



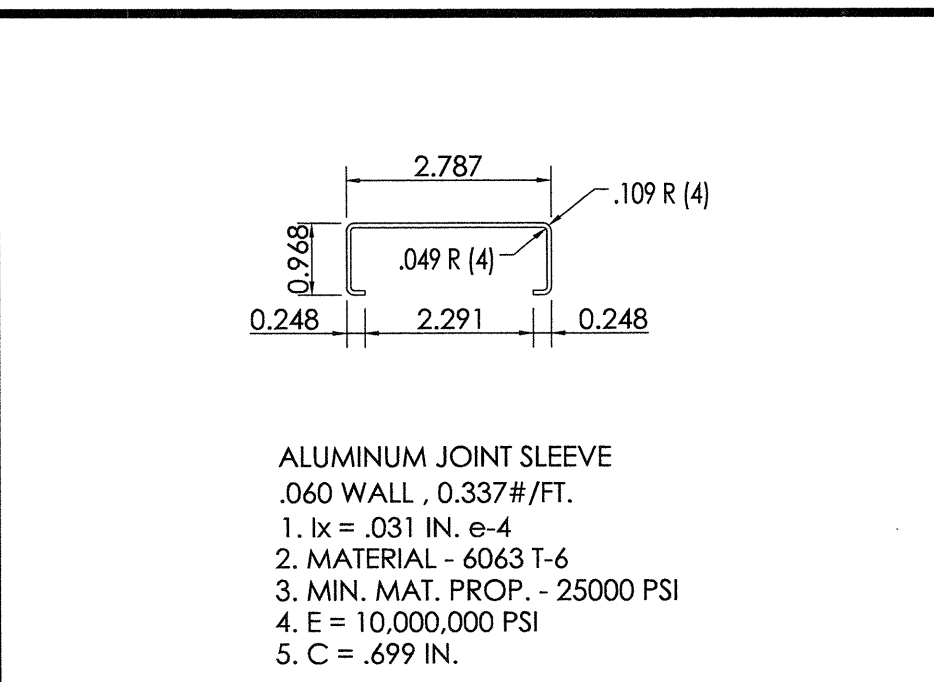
1 FLUTED SURFACE DETAIL
NOT TO SCALE



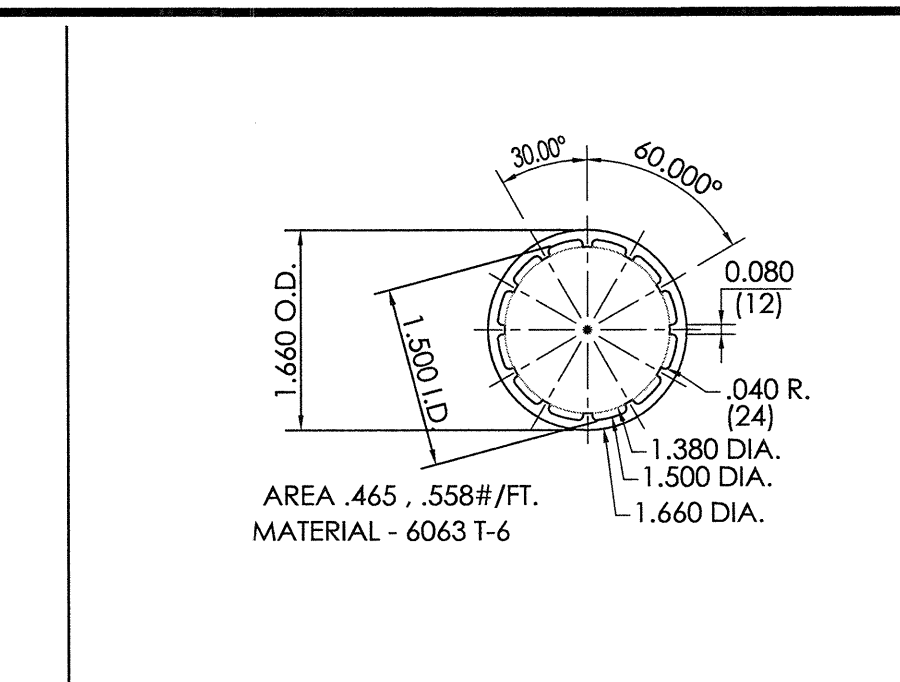
2 ALUMINUM AISLE NOSING
NOT TO SCALE



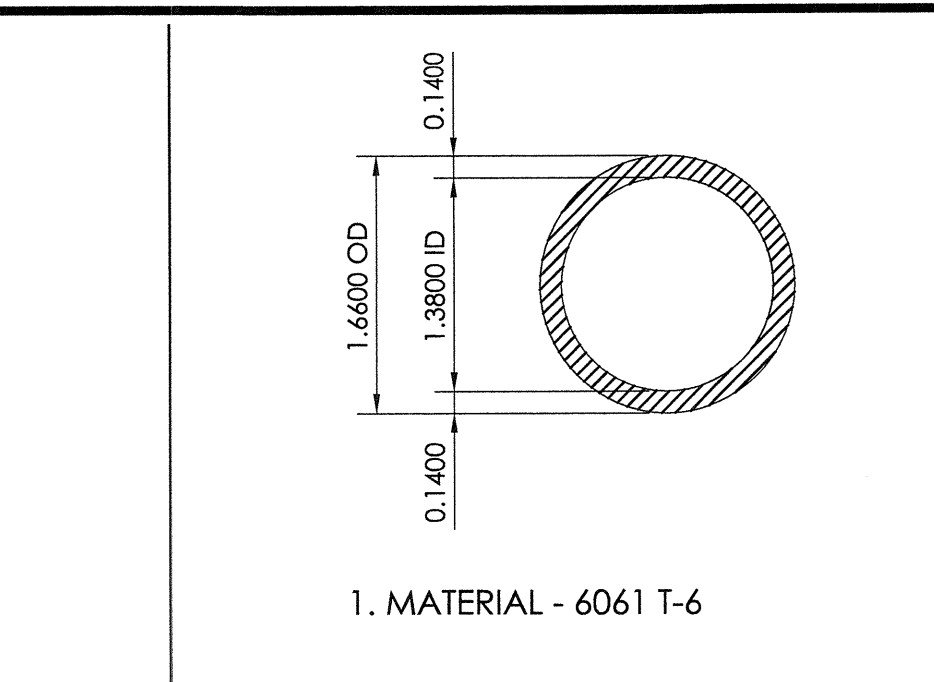
3 HOLD DOWN CLIP DETAIL
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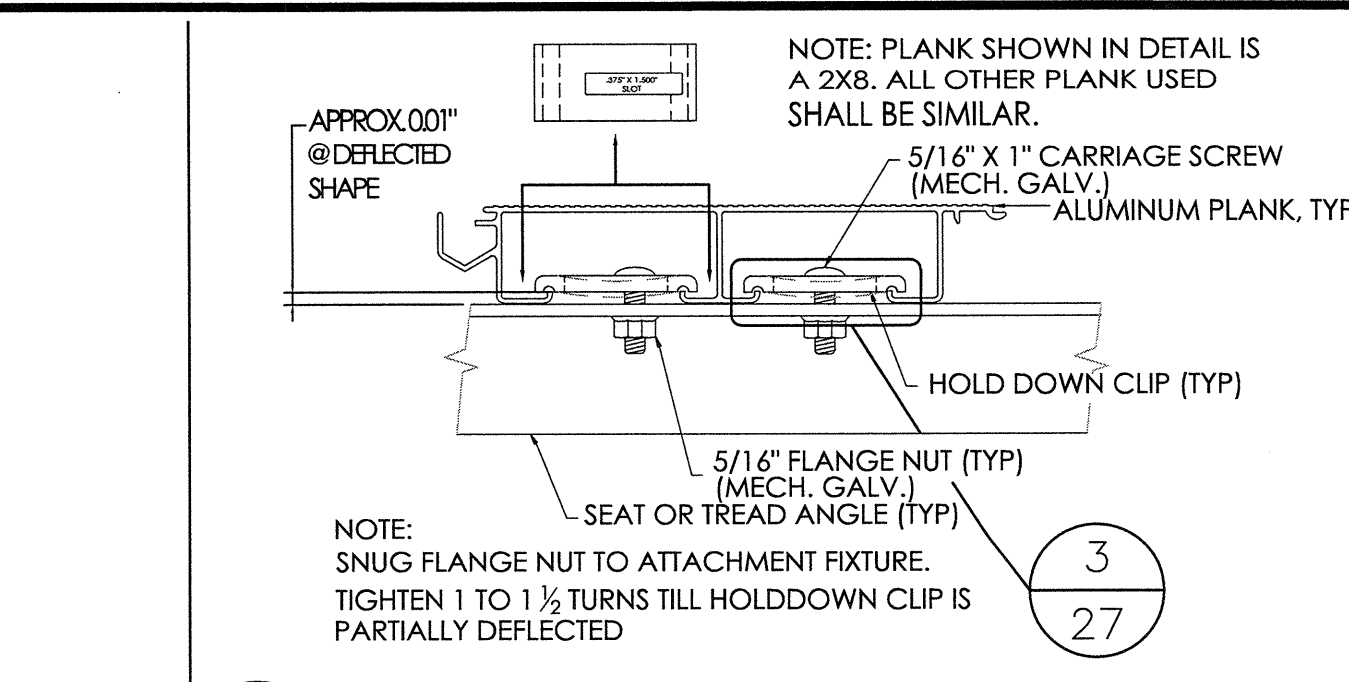
4 ALUMINUM JOINT SLEEVE DETAIL
NOT TO SCALE



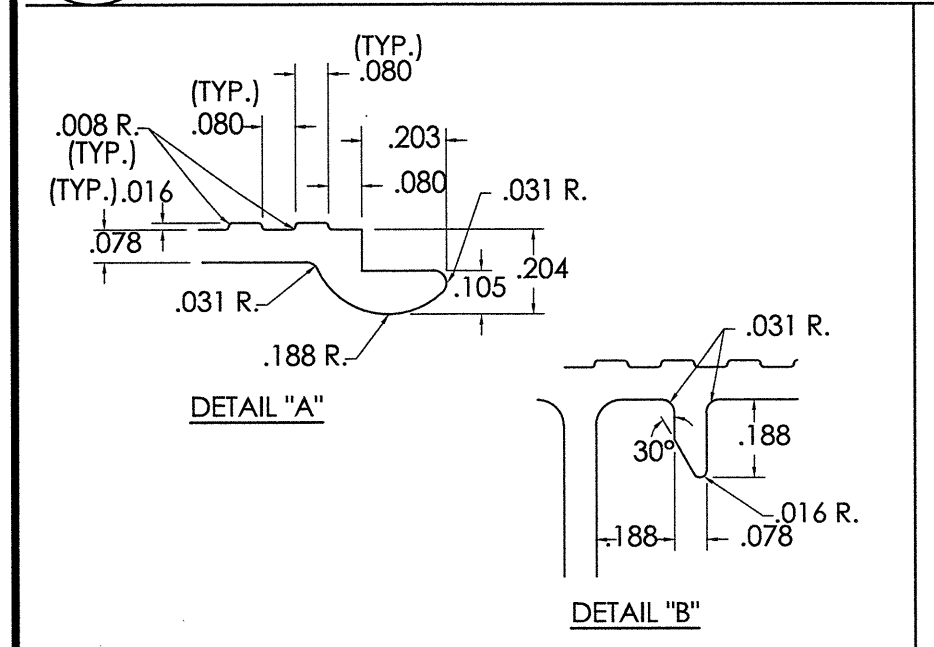
5 1 5/8" O.D. ALUMINUM RAIL DETAIL
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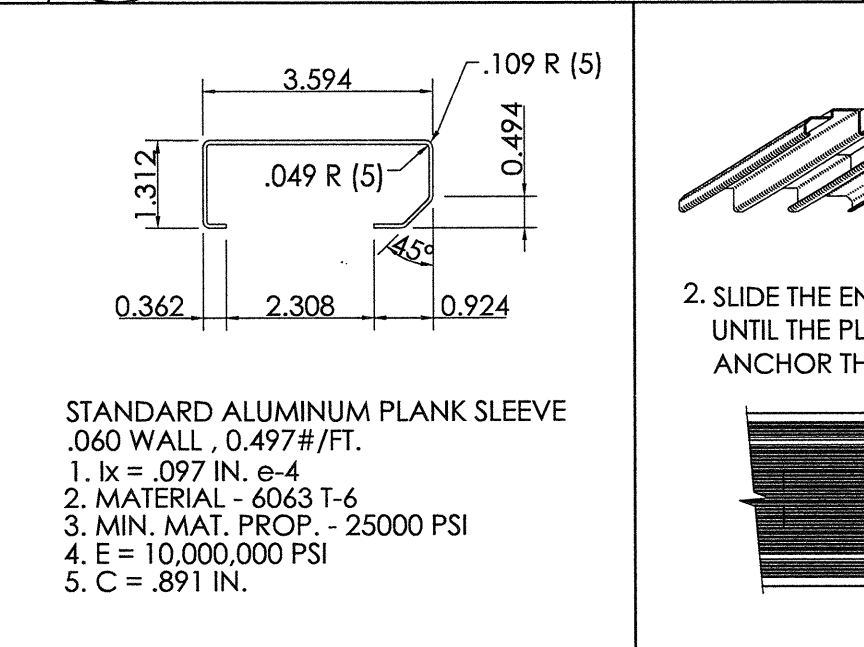
6 SCHED. 40 ALUMINUM PIPE DETAIL
NOT TO SCALE



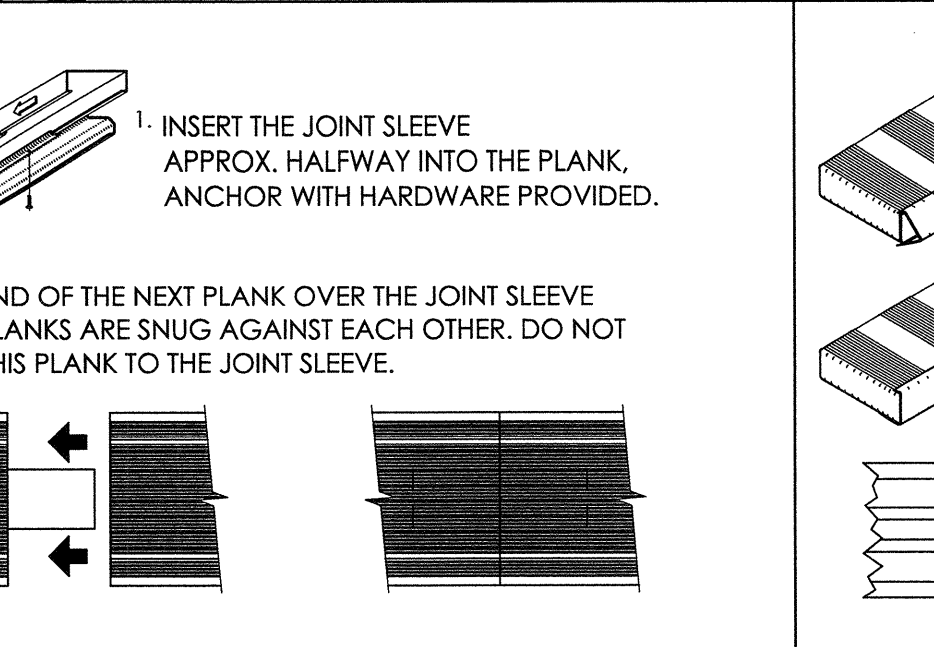
7 PLANK INSTALLATION DETAIL
NOT TO SCALE



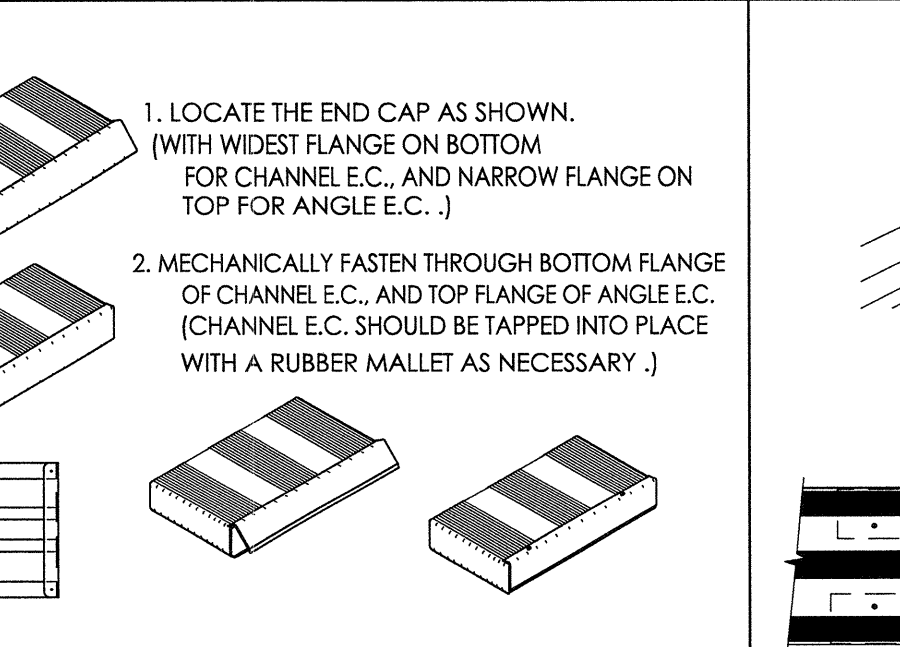
8 INTERLOCK PLANK DETAIL
NOT TO SCALE



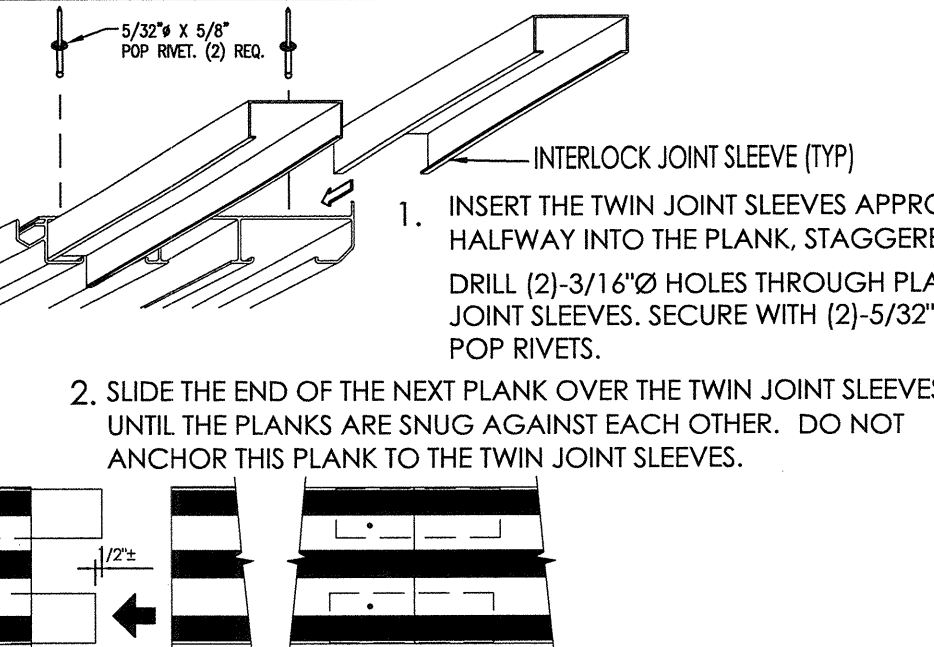
9 STANDARD ALUMINUM PLANK SLEEVE
NOT TO SCALE



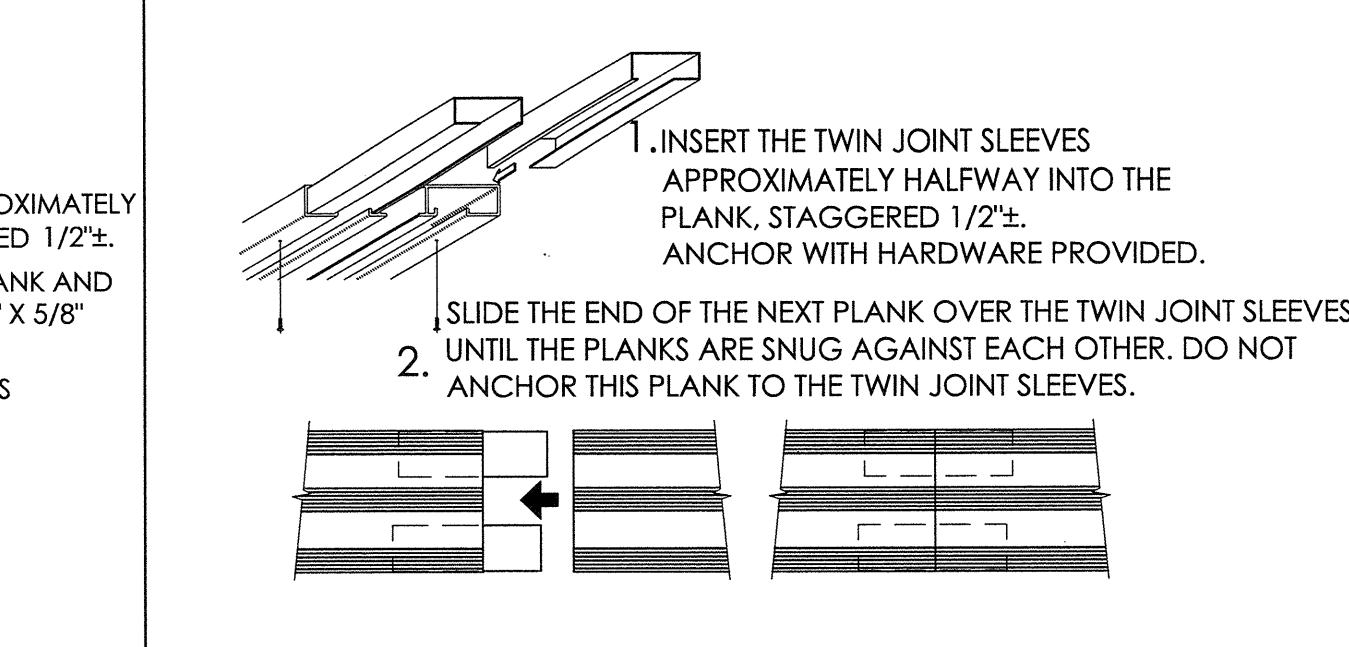
10 RISER JOINT SLEEVE INSTALLATION DETAIL
NOT TO SCALE



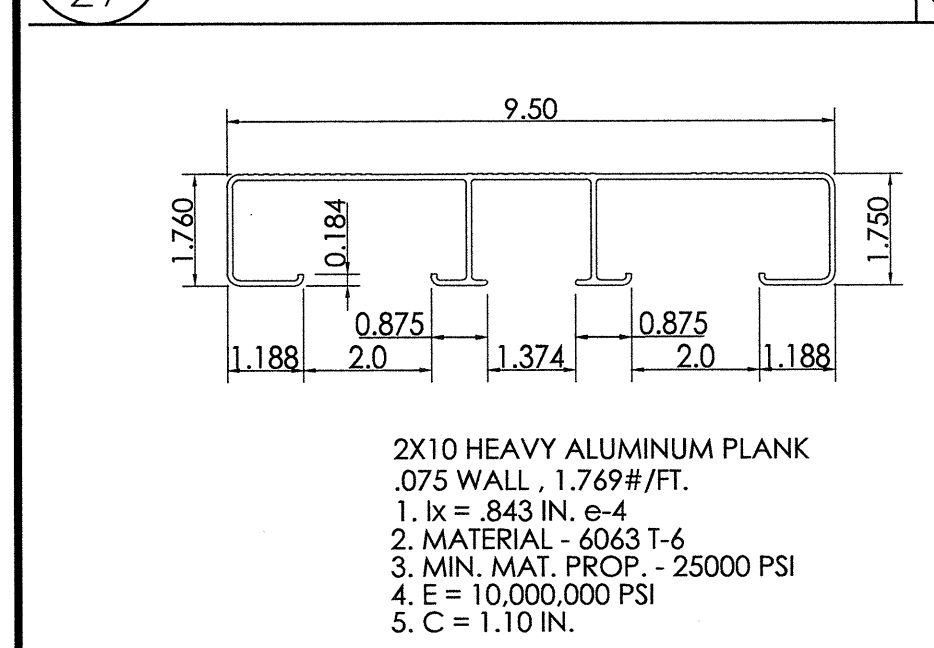
11 ENDCAP INSTALLATION DETAIL
NOT TO SCALE



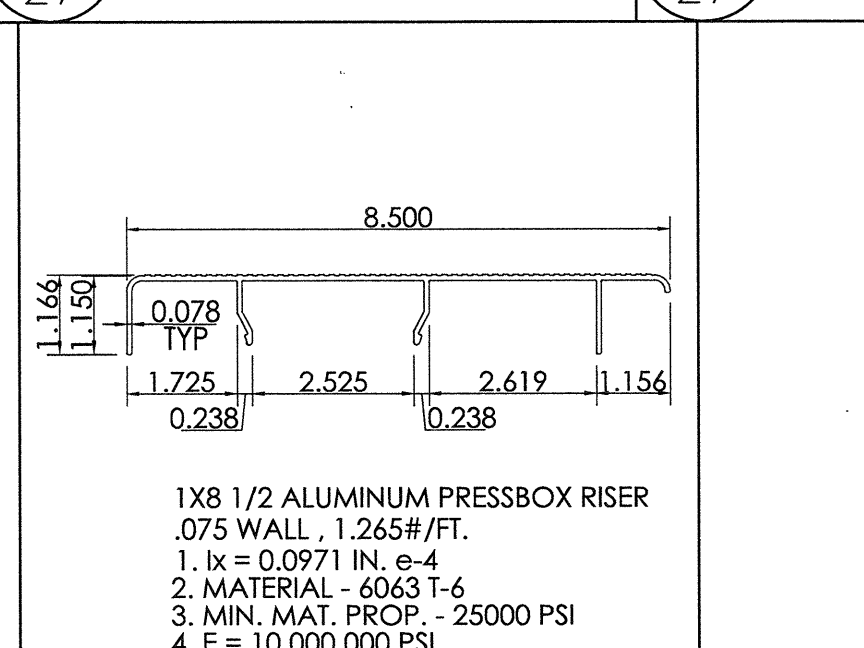
12 INTERLOCK JOINT SLEEVE INSTALLATION
NOT TO SCALE



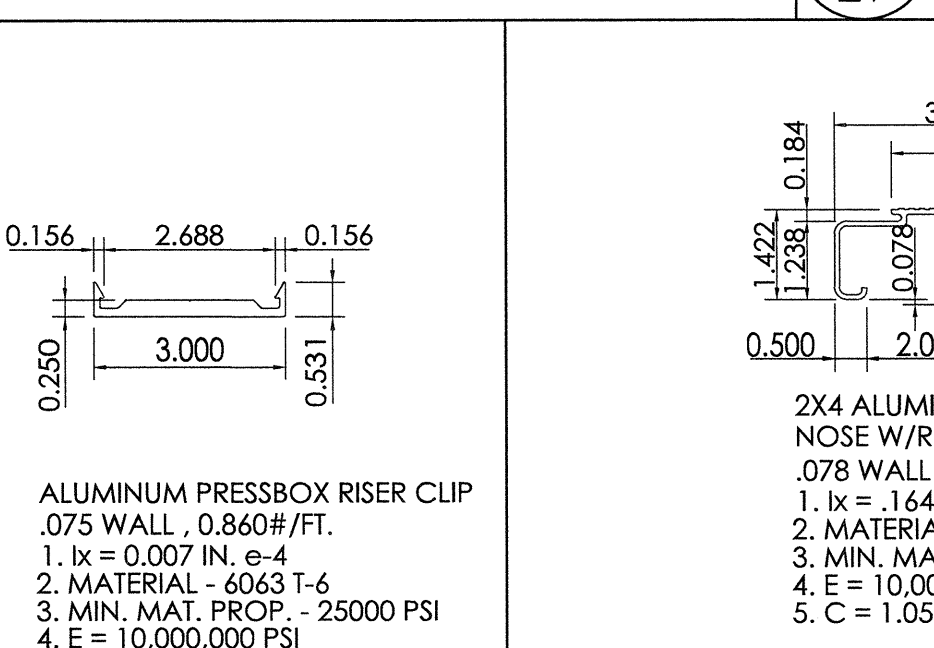
13 JOINT SLEEVE INSTALLATION DETAIL
NOT TO SCALE



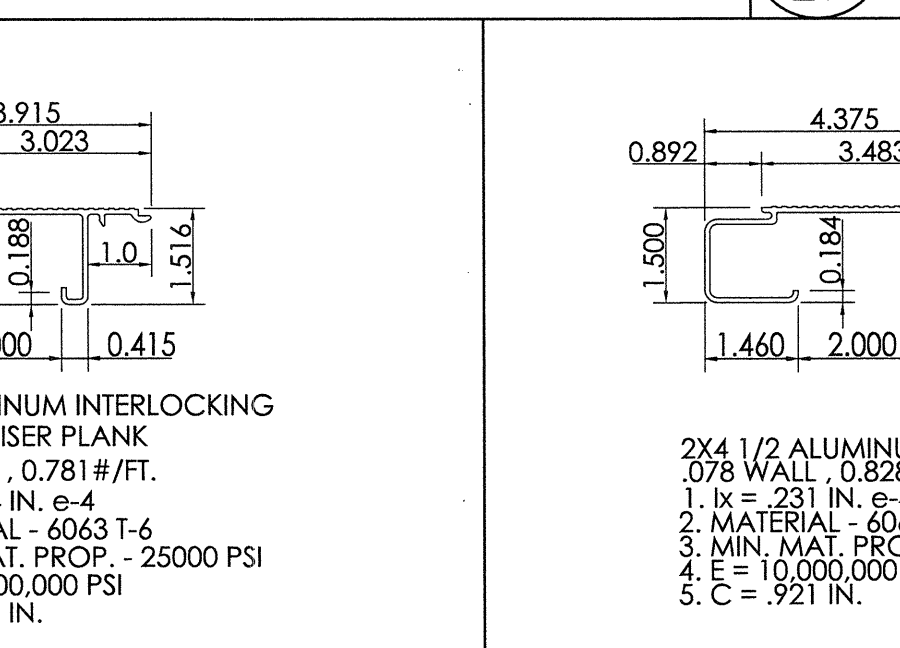
14 2 X 10 HEAVY ALUMINUM PLANK DETAIL
NOT TO SCALE



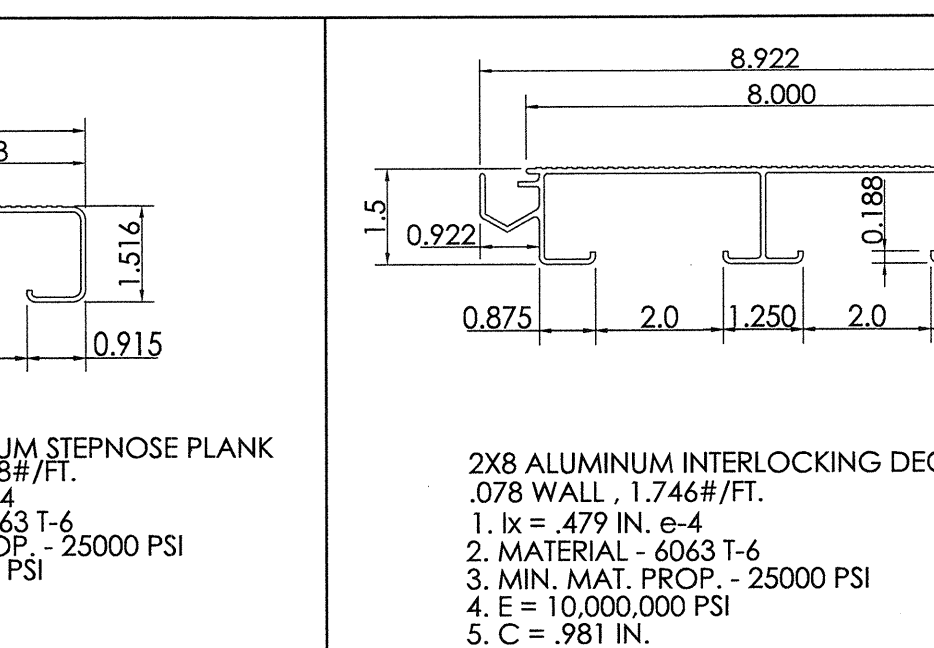
15 PRESSBOX RISER
NOT TO SCALE



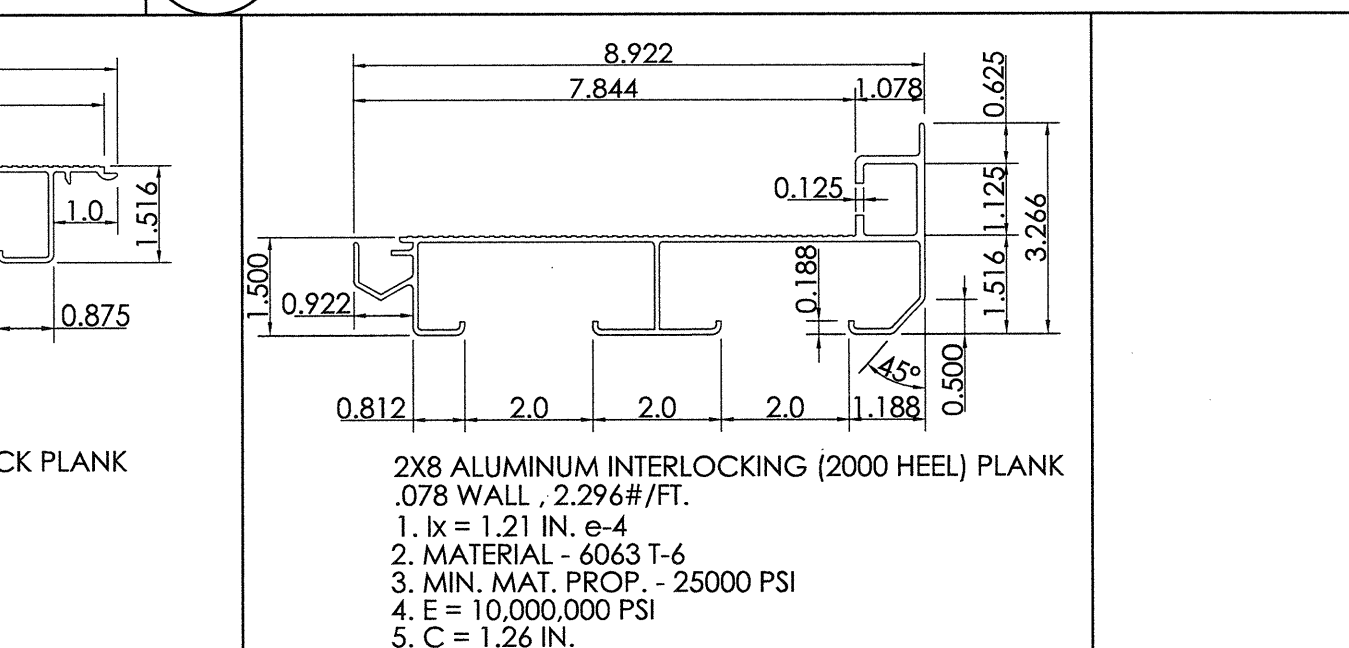
16 PRESSBOX RISER CLIP
NOT TO SCALE



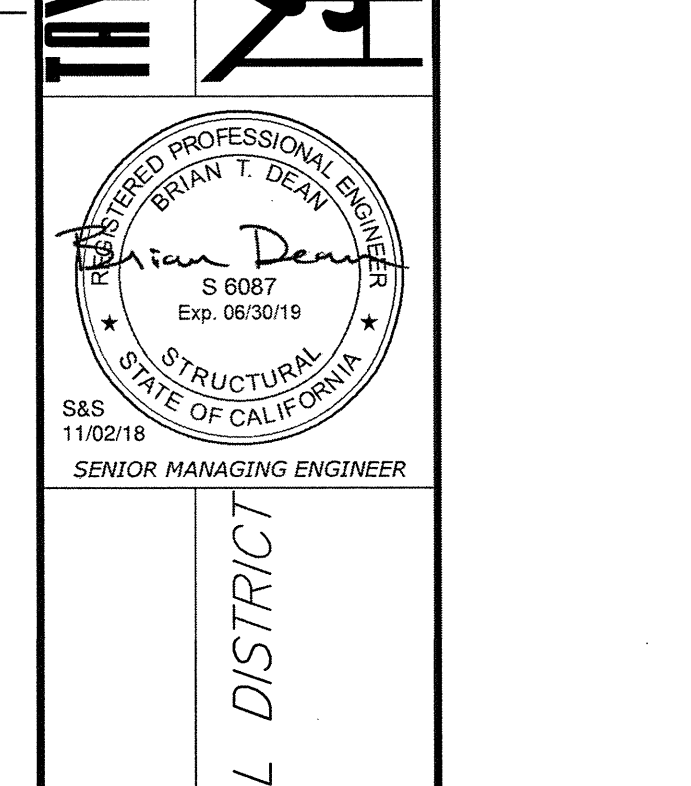
17 2 X 4 ALUMINUM (NOSE W/RISER) INTERLOCKING PLANK DETAIL
NOT TO SCALE



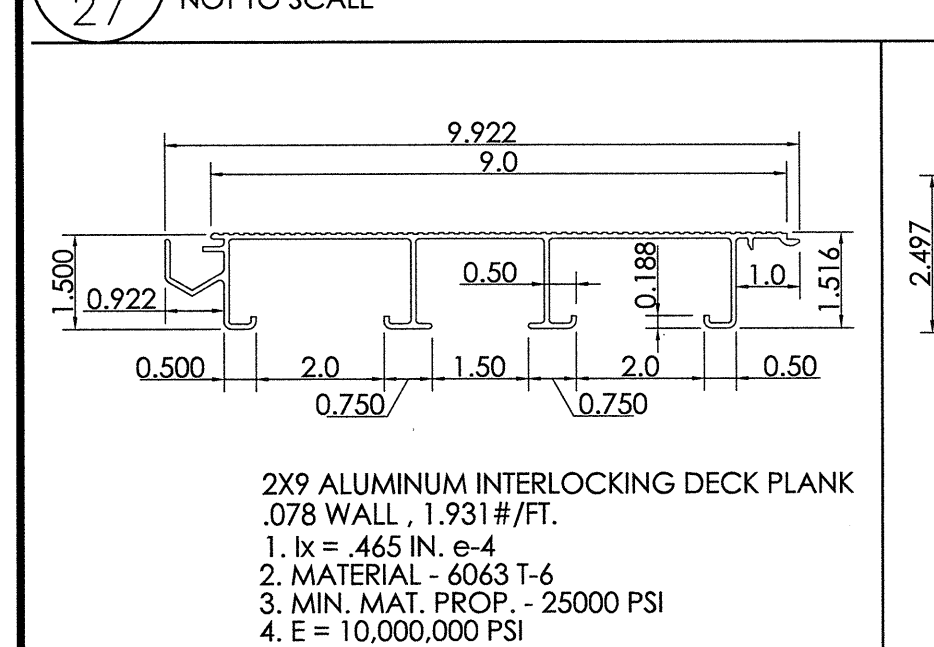
18 2 X 4 1/2 ALUMINUM STEPNOSE PLANK DETAIL
NOT TO SCALE



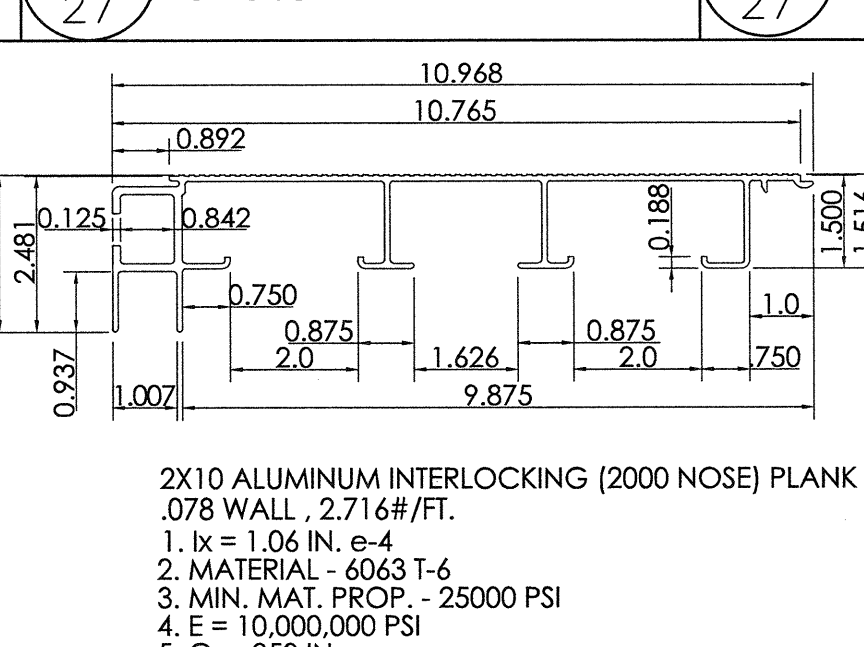
19 2 X 8 ALUMINUM (DECK) INTERLOCKING PLANK DETAIL
NOT TO SCALE



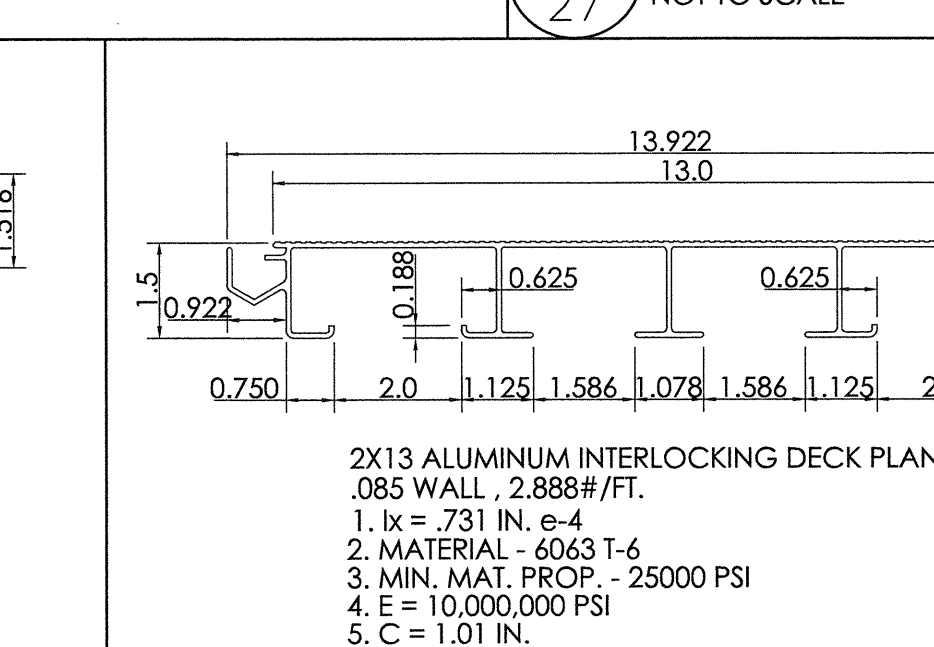
20 2 X 8 ALUMINUM (2000 HEEL) INTERLOCKING PLANK DETAIL
NOT TO SCALE



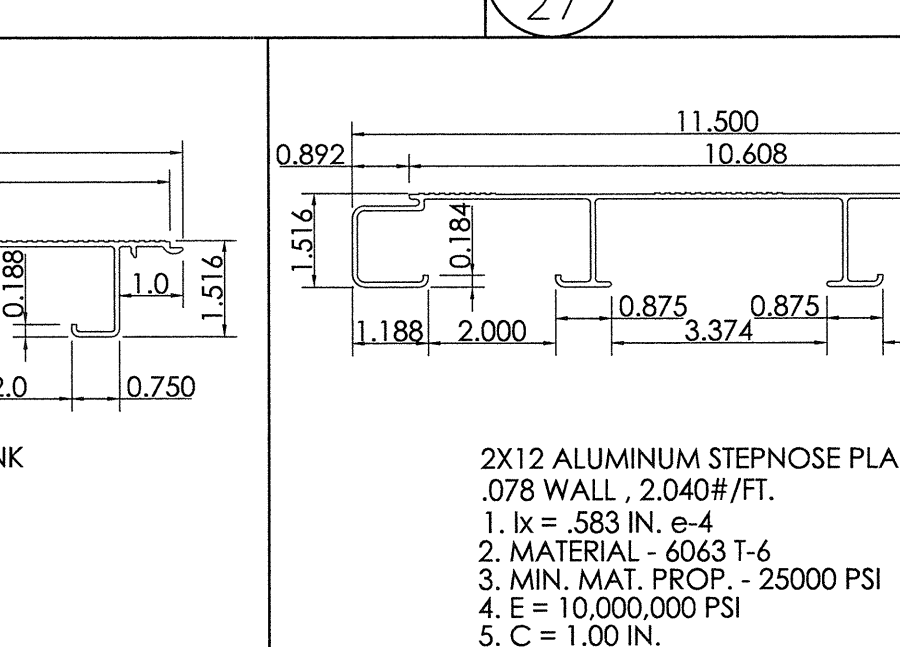
21 2 X 9 ALUMINUM (DECK) INTERLOCKING PLANK DETAIL
NOT TO SCALE



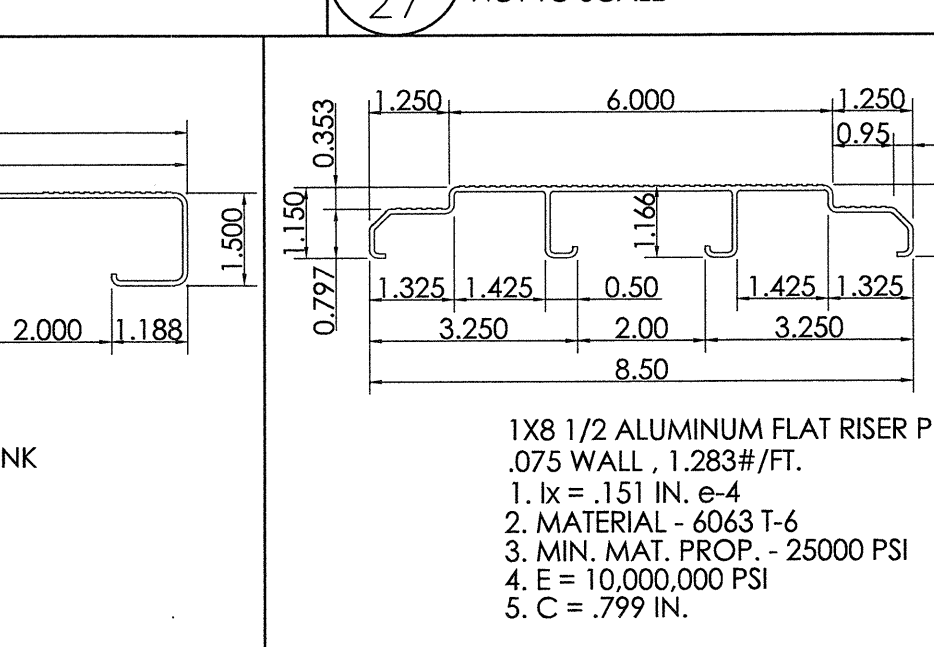
22 2 X 10 ALUMINUM (2000 NOSE) INTERLOCKING PLANK DETAIL
NOT TO SCALE



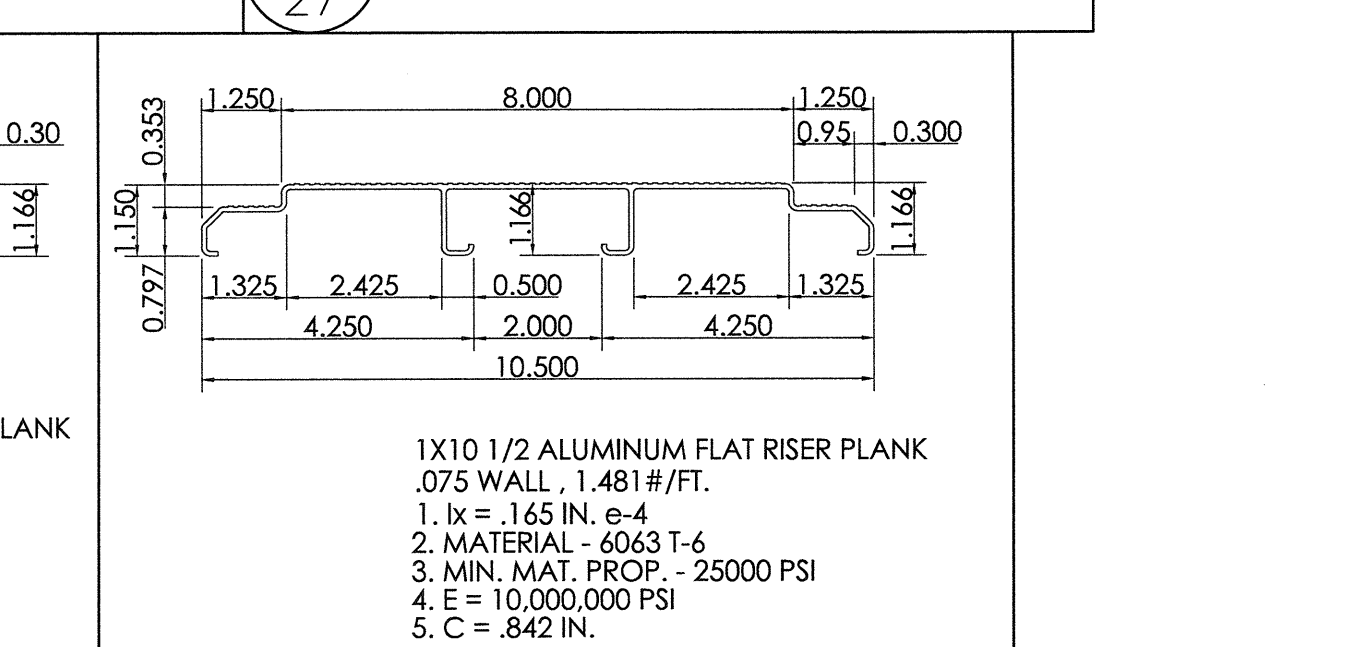
23 2 X 13 ALUMINUM (DECK) INTERLOCKING PLANK DETAIL
NOT TO SCALE



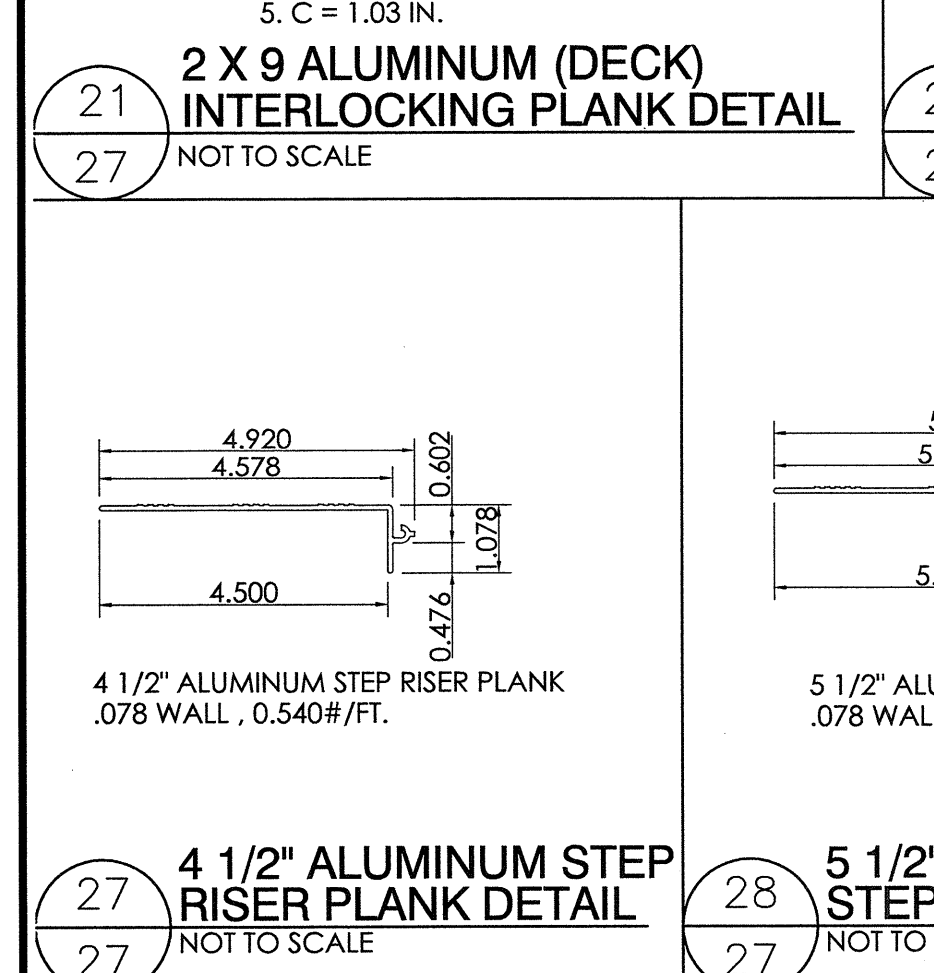
24 2 X 12 ALUMINUM STEPNOSE PLANK DETAIL
NOT TO SCALE



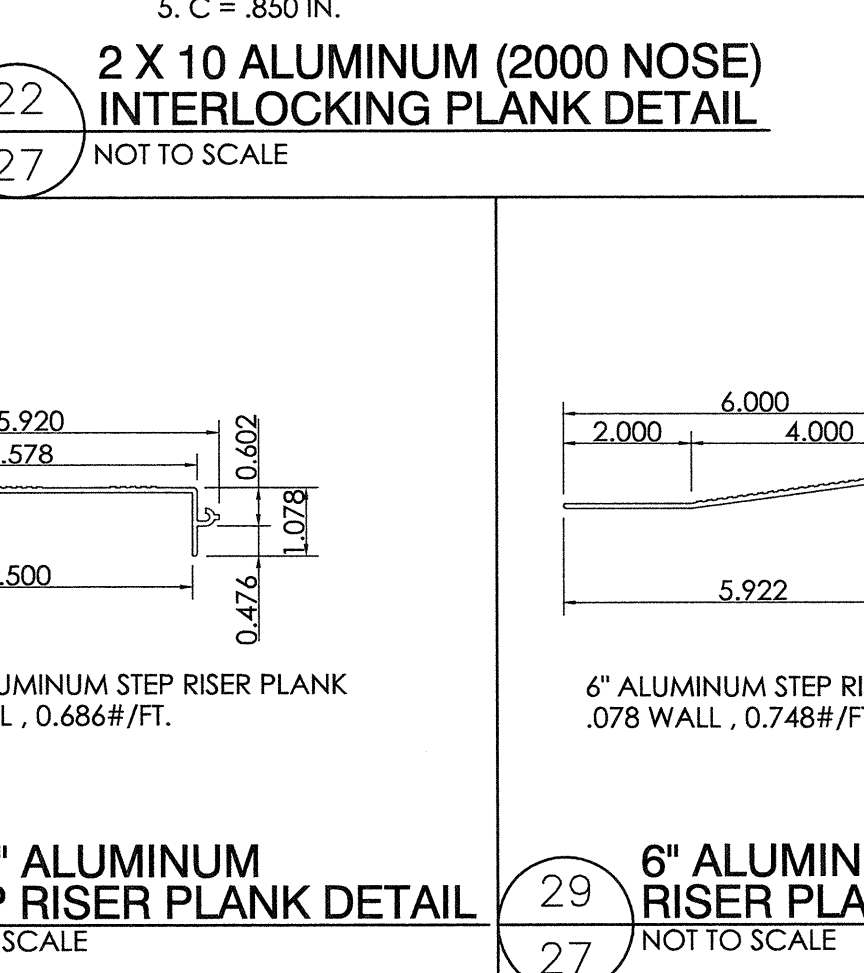
25 1 X 8 1/2 ALUMINUM FLAT RISER PLANK DETAIL
NOT TO SCALE



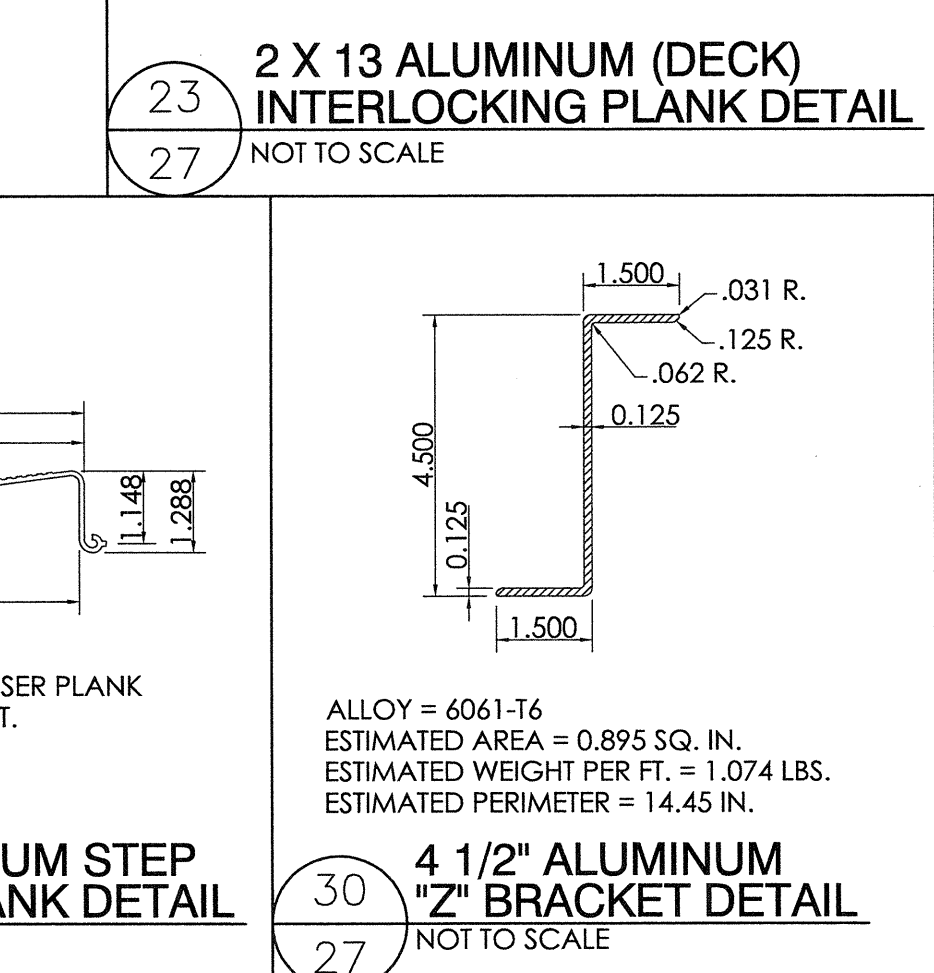
26 1 X 10 1/2 ALUMINUM FLAT RISER PLANK DETAIL
NOT TO SCALE



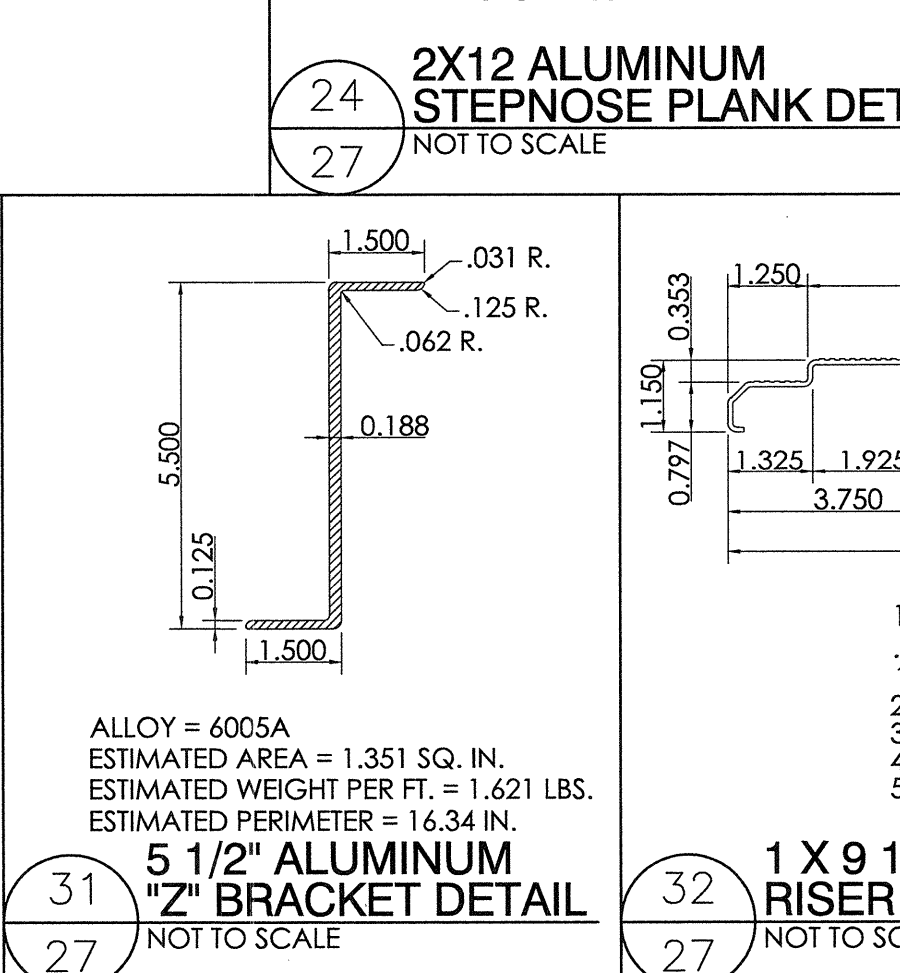
27 4 1/2" ALUMINUM STEP RISER PLANK DETAIL
NOT TO SCALE



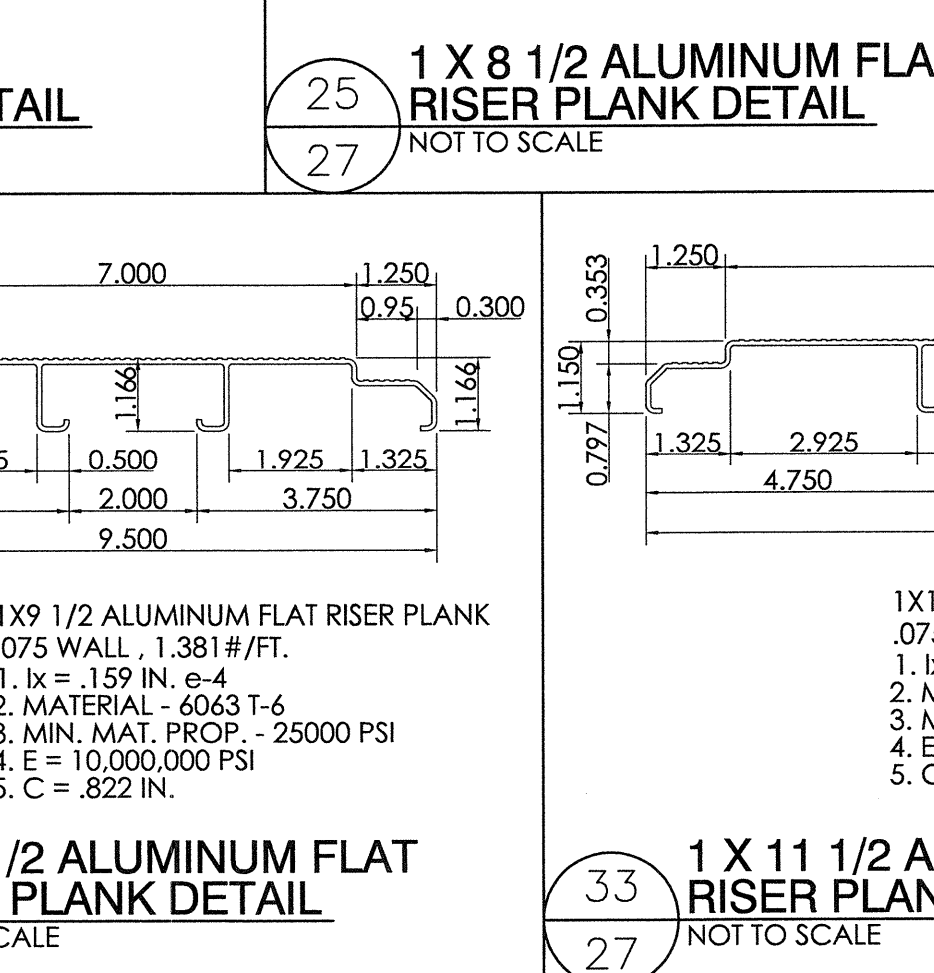
28 5 1/2" ALUMINUM STEP RISER PLANK DETAIL
NOT TO SCALE



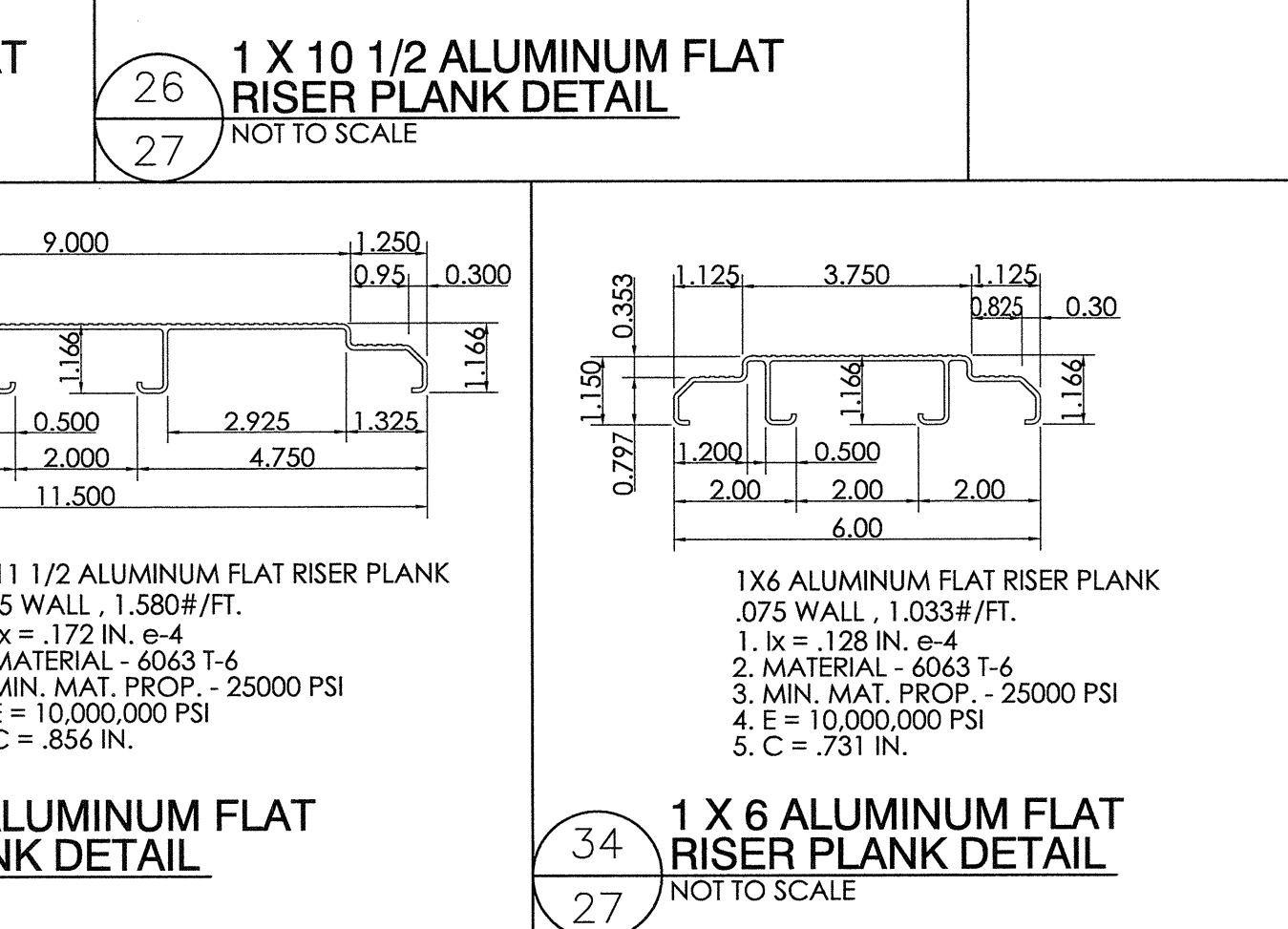
29 6" ALUMINUM STEP RISER PLANK DETAIL
NOT TO SCALE



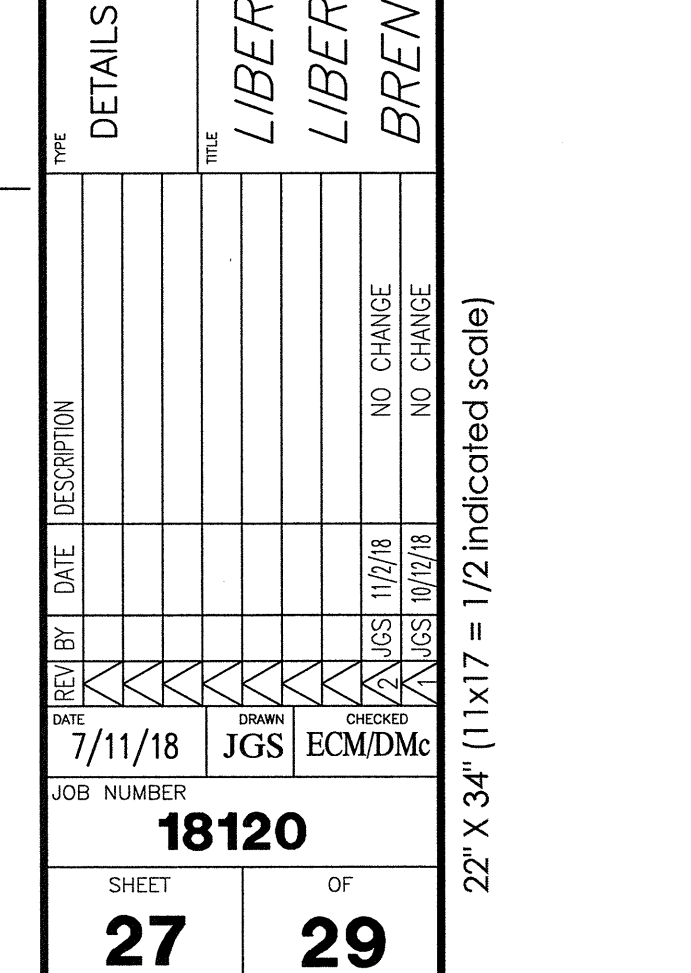
30 4 1/2" ALUMINUM "Z" BRACKET DETAIL
NOT TO SCALE



31 1 X 9 1/2 ALUMINUM FLAT RISER PLANK DETAIL
NOT TO SCALE



32 1 X 11 1/2 ALUMINUM FLAT RISER PLANK DETAIL
NOT TO SCALE



33 1 X 6 ALUMINUM FLAT RISER PLANK DETAIL
NOT TO SCALE

DETAIL NUMBER: 11
SHEET SHOWN ON: 27
SHEET CUT FROM: 29

STRUCTURAL ENGINEERS
TAYLOR & YFAN
553 S. Oak Knoll Ave., Pasadena, CA 91101
Tel: (818) 793-2458
Fax: (818) 793-2481
http://www.taylorandym.com

REGISTERED PROFESSIONAL ENGINEER
BRIAN T. DEAN
No. 56087
Exp. 06/30/19
STRUCTURAL
STATE OF CALIFORNIA
S&S
11/02/18
SENIOR MANAGING ENGINEER

PO Box One, Graham, Texas 76450
801 Fifth Street
Phone: 940/549-1365
Fax: 940/549-0733

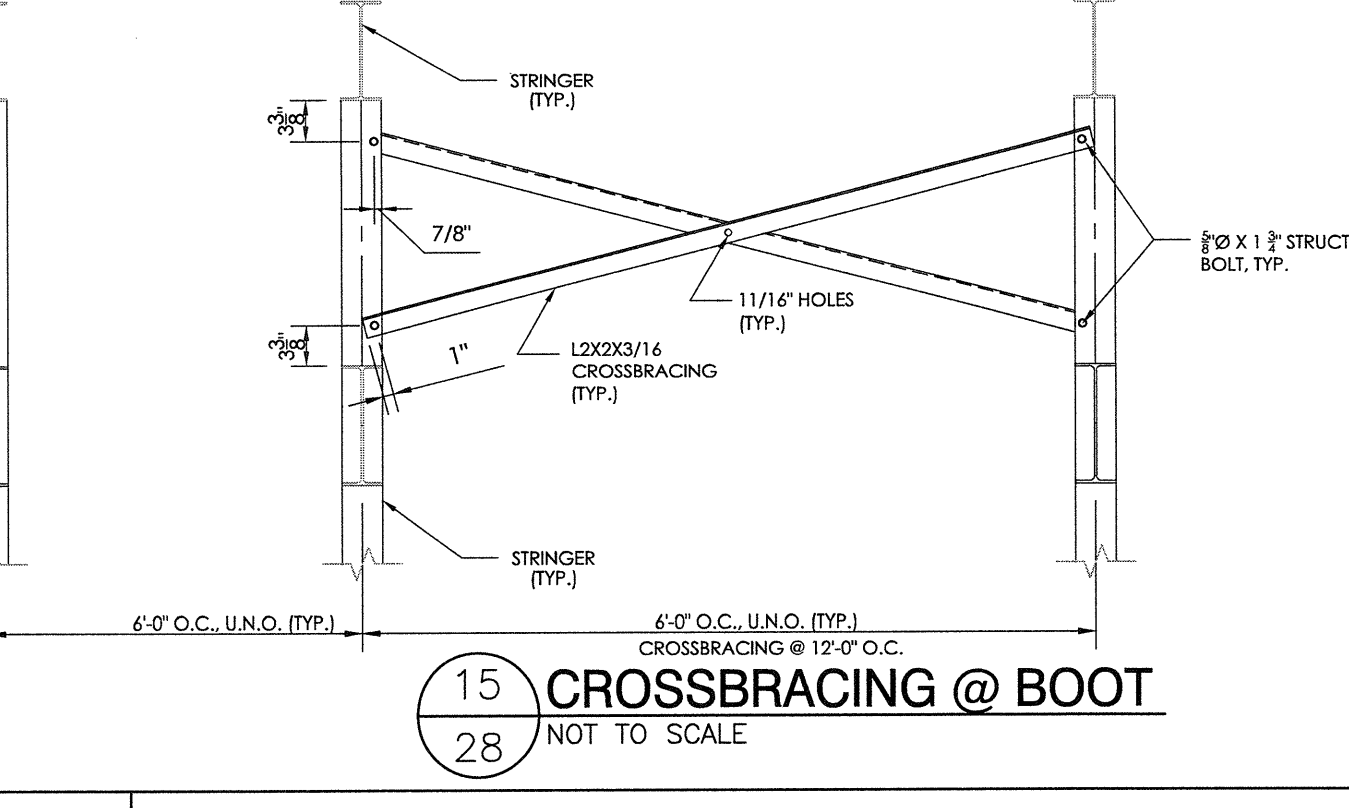
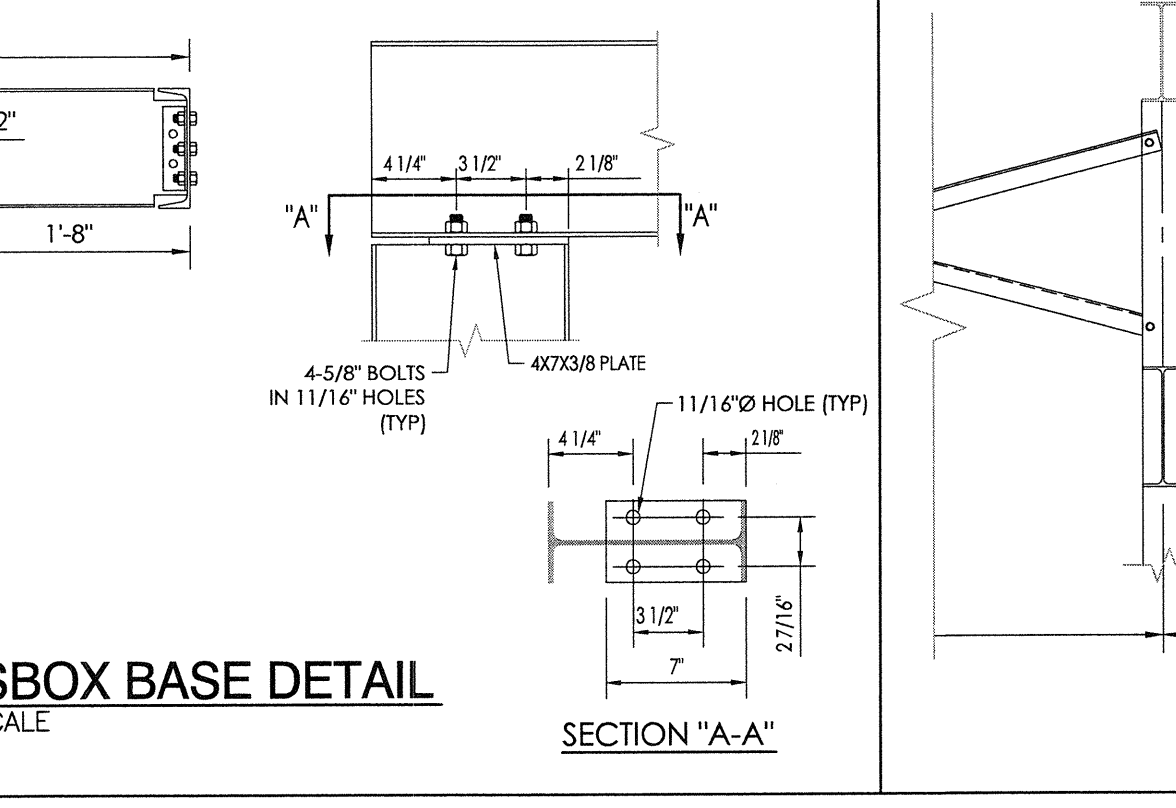
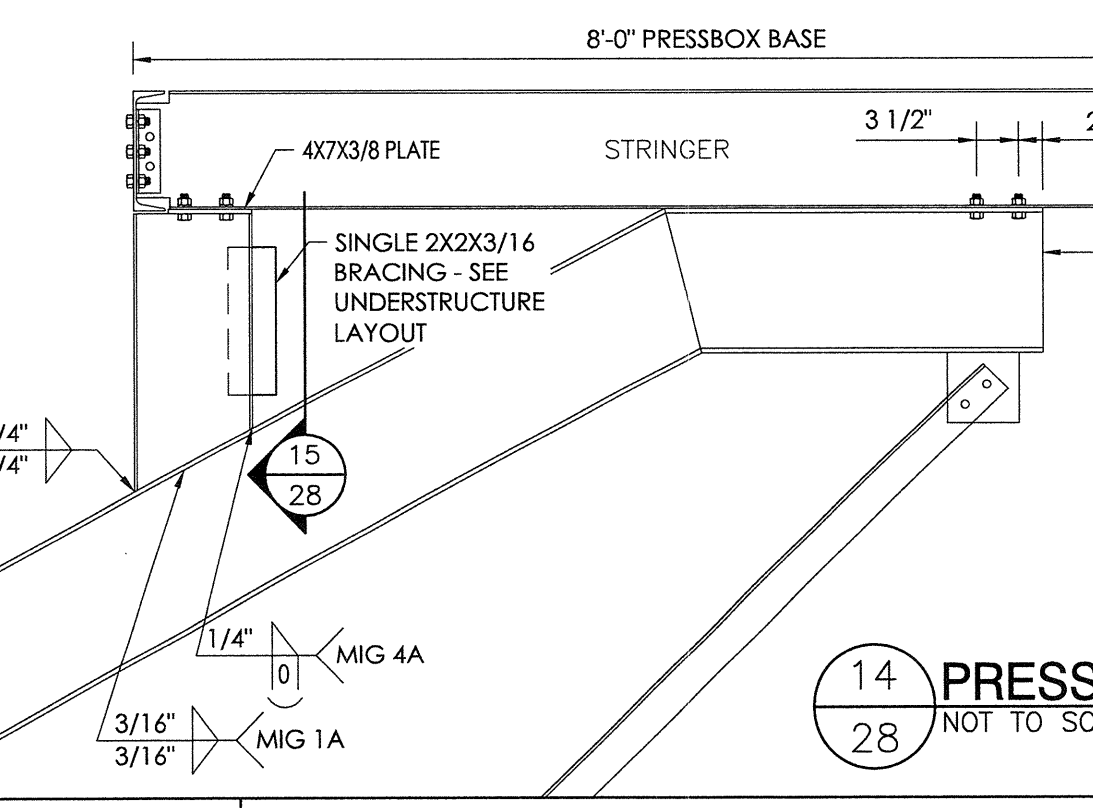
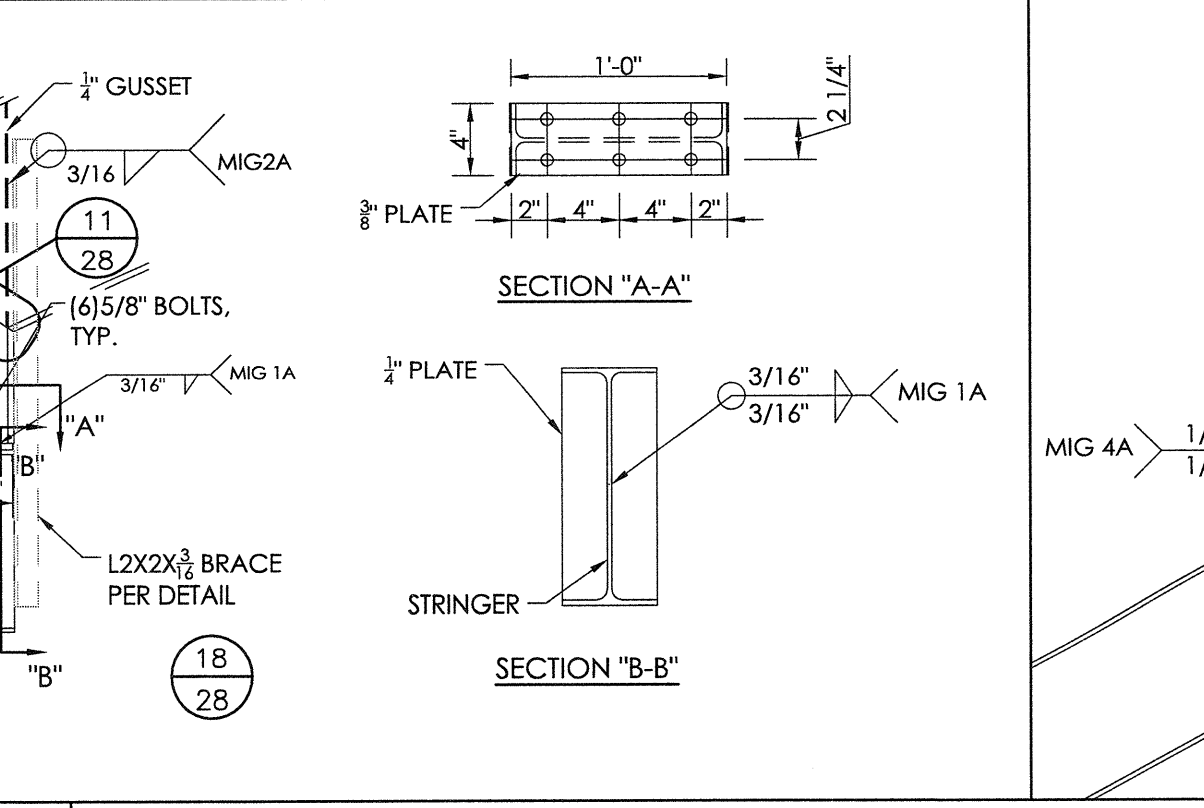
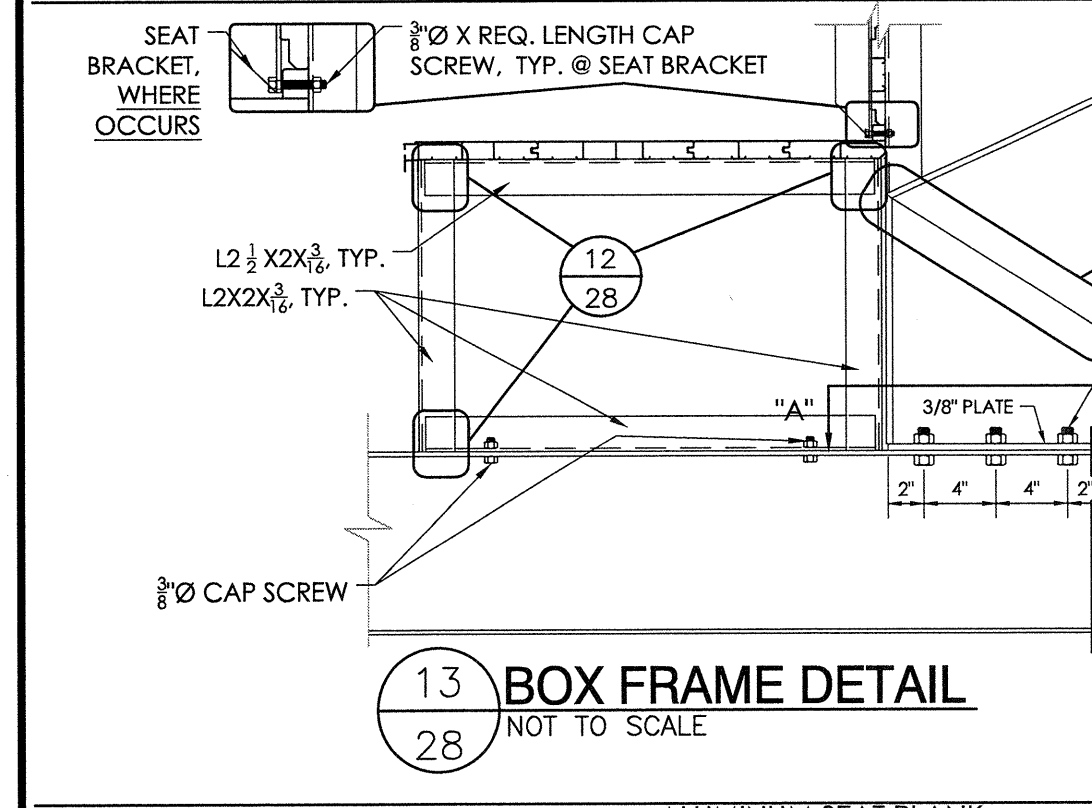
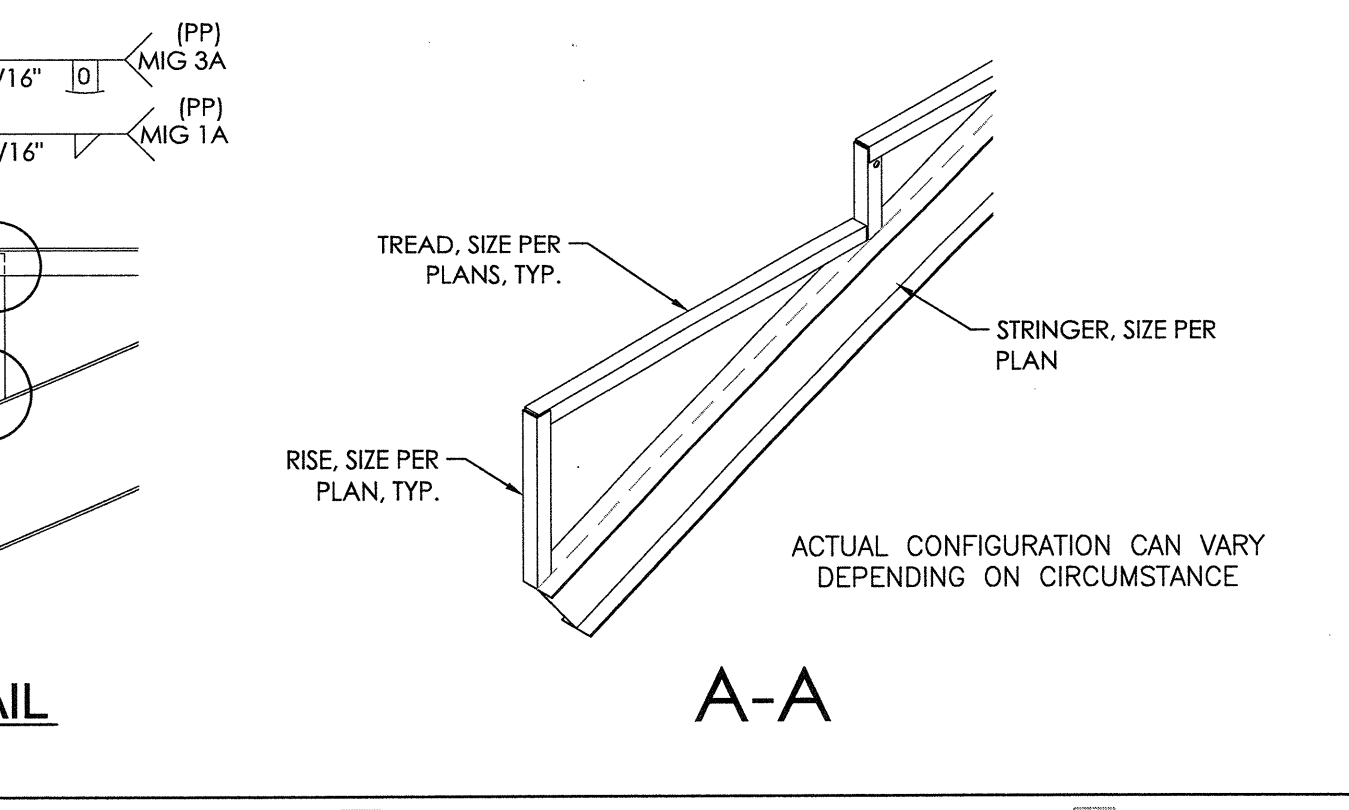
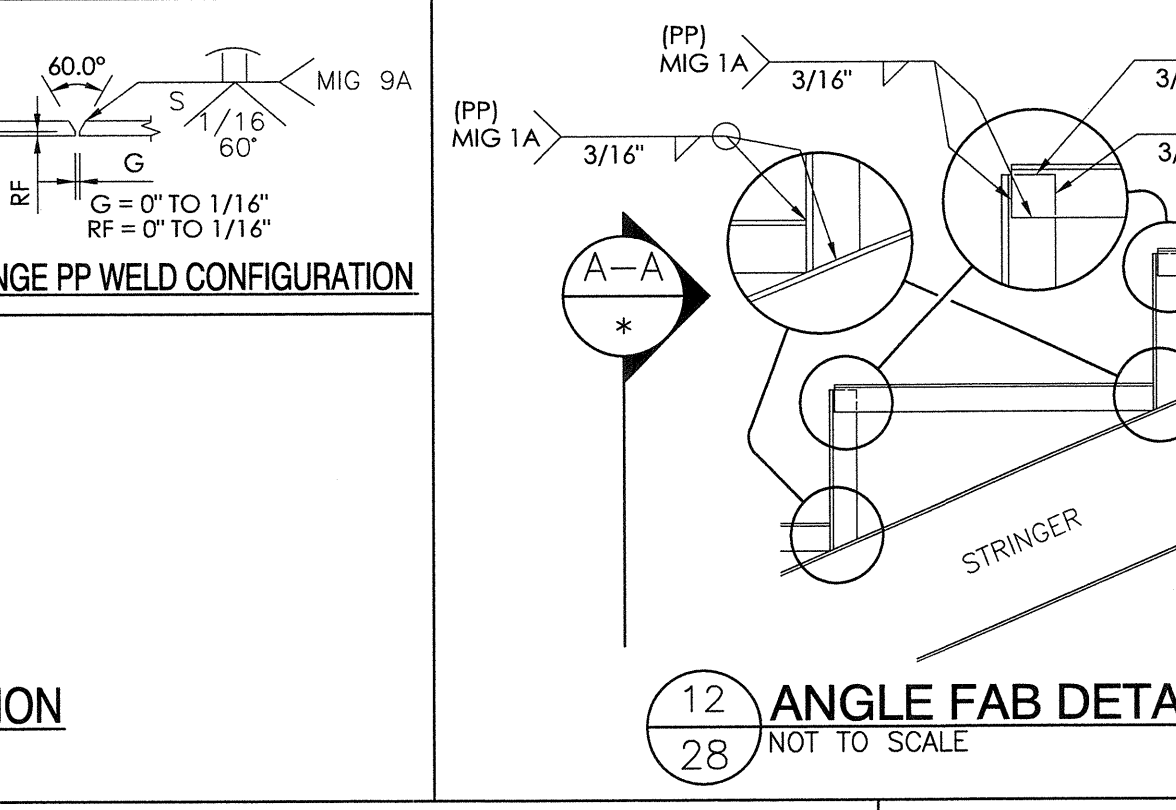
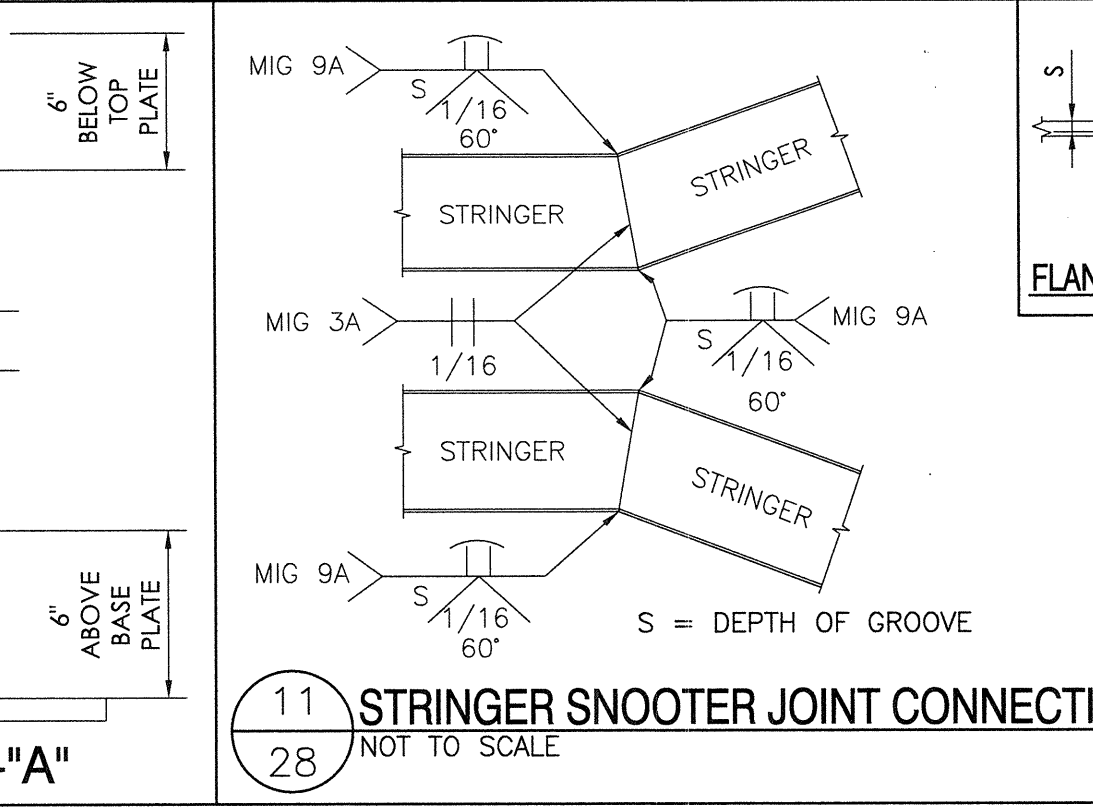
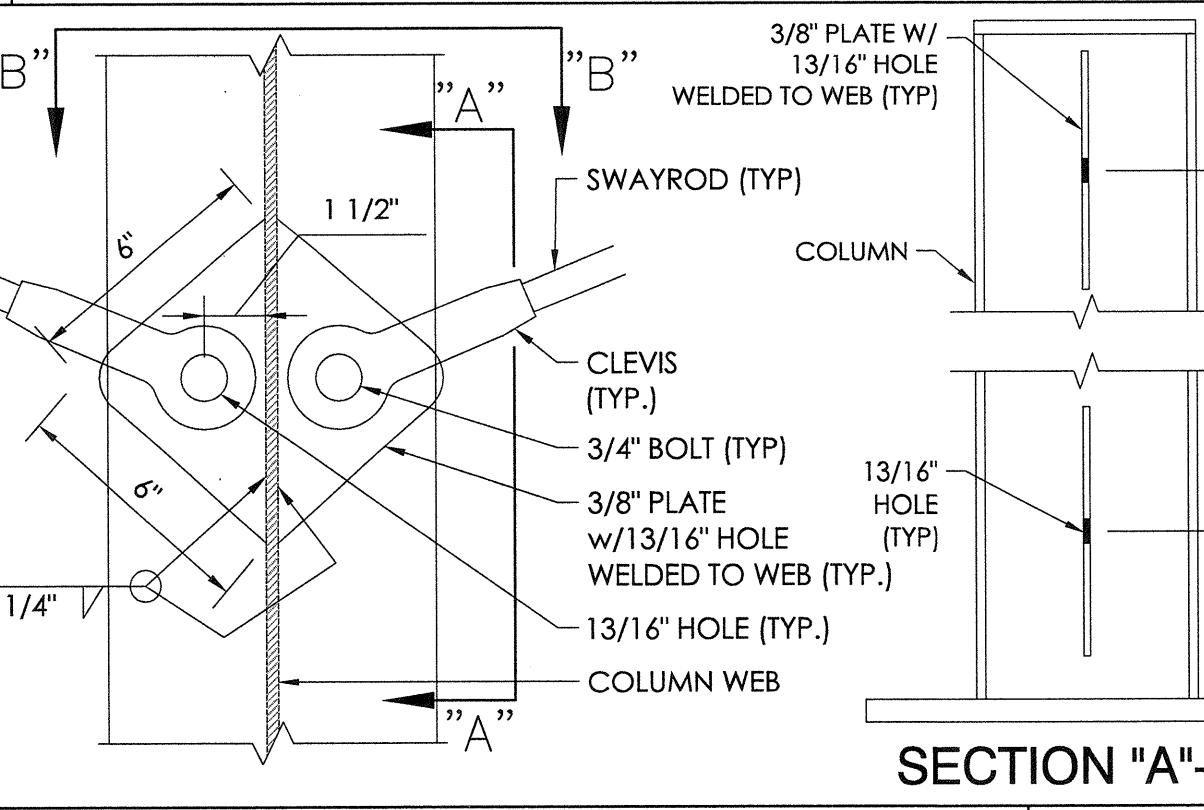
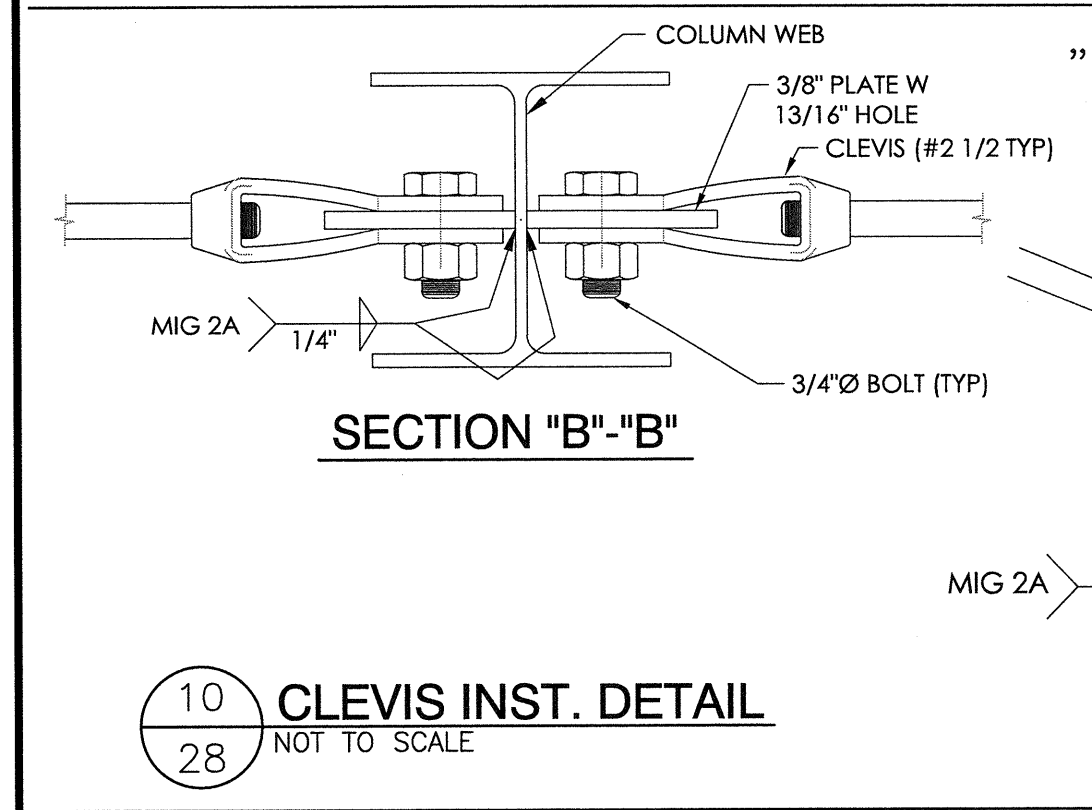
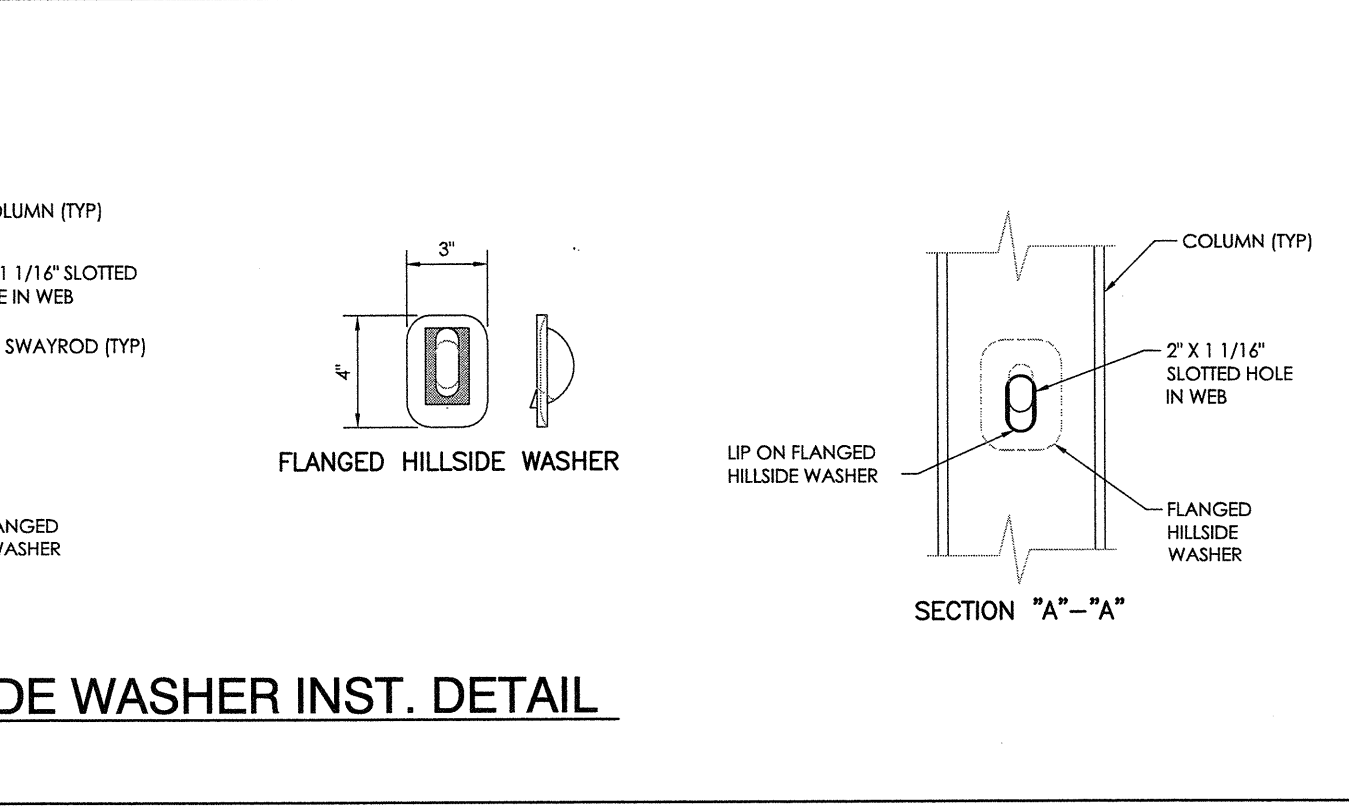
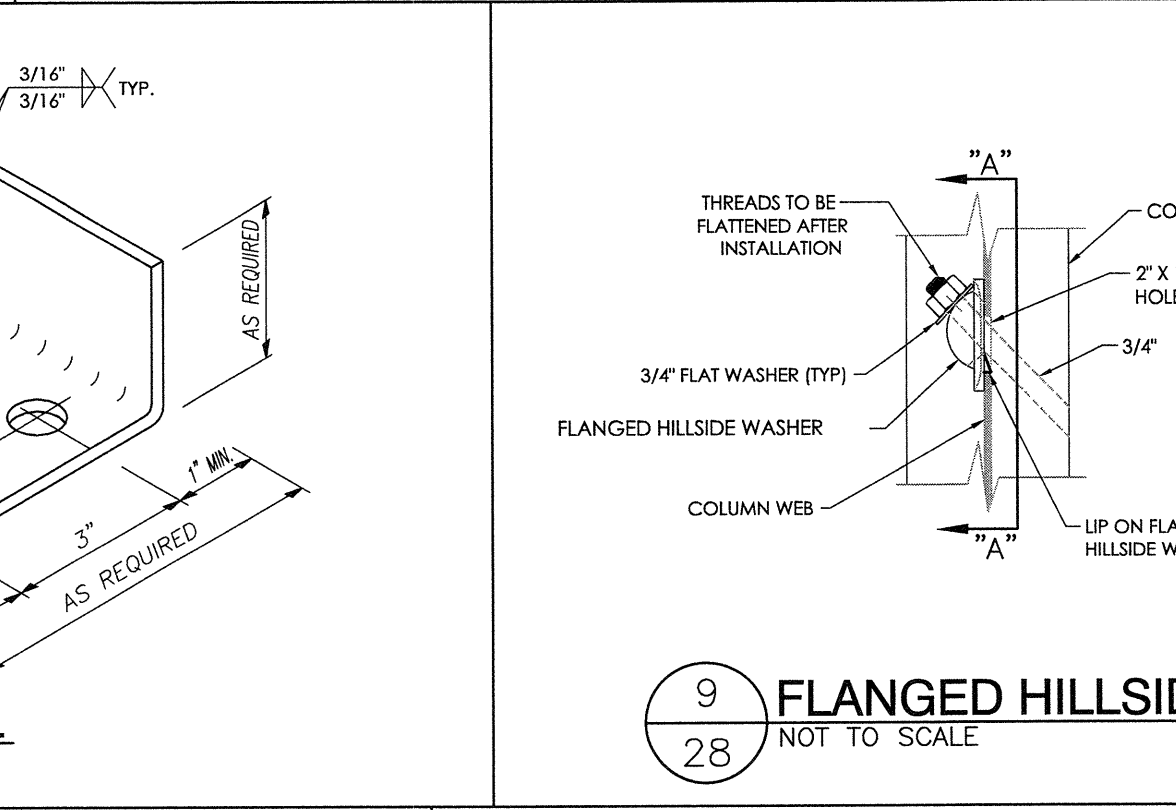
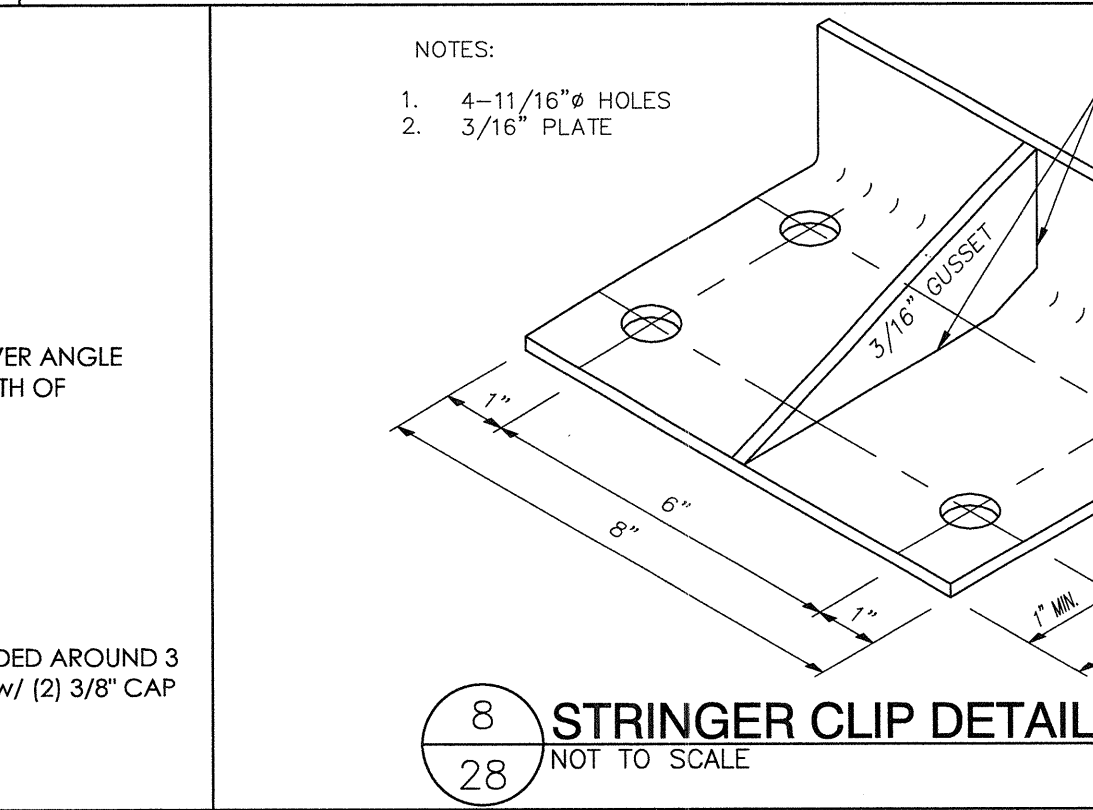
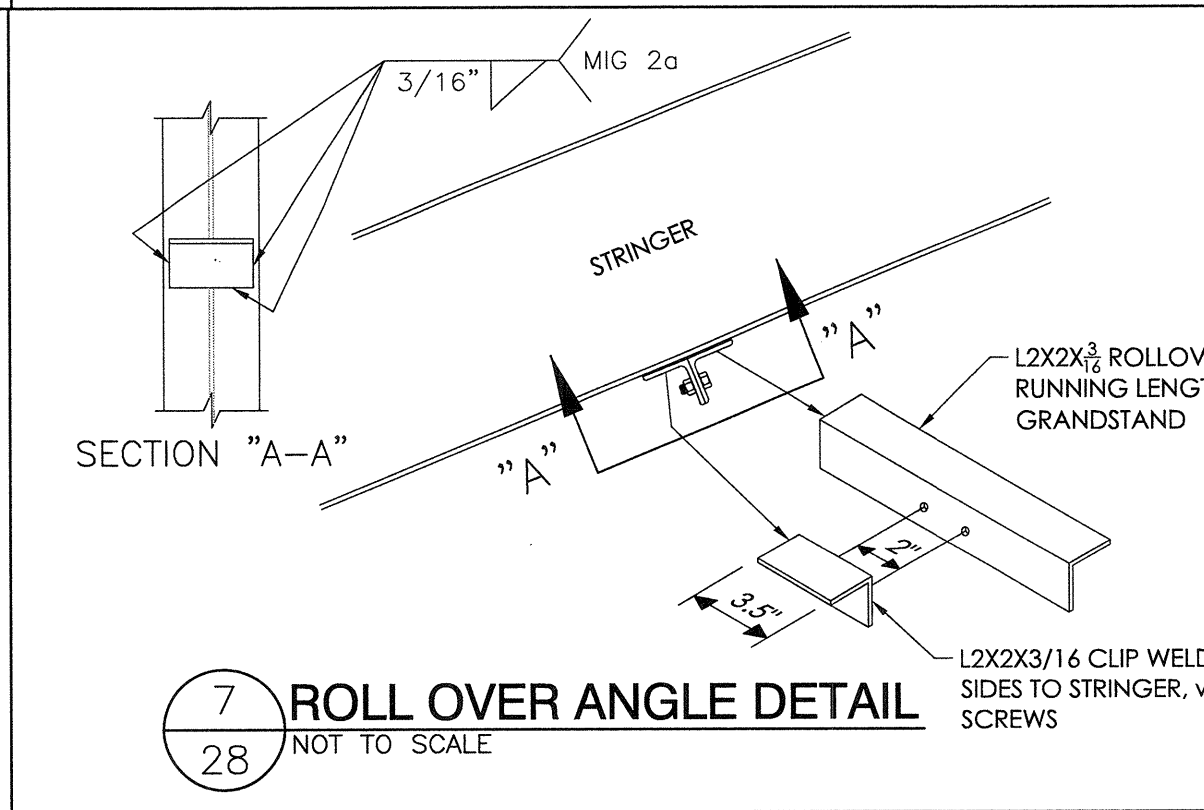
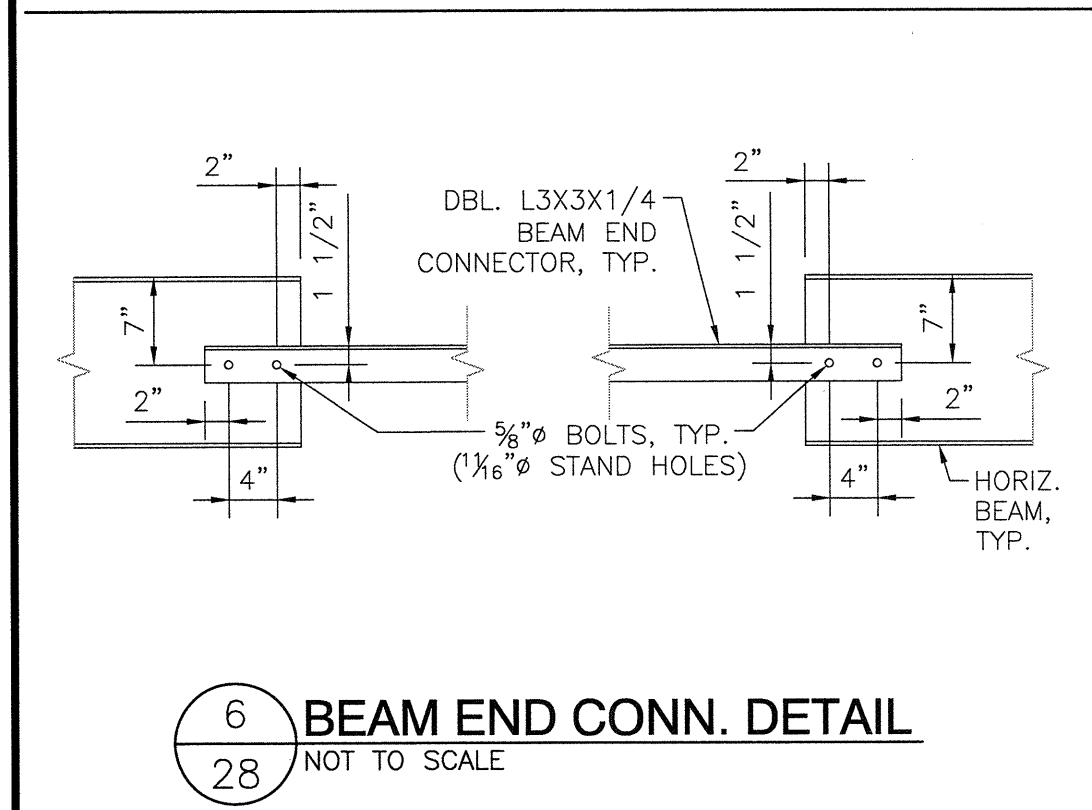
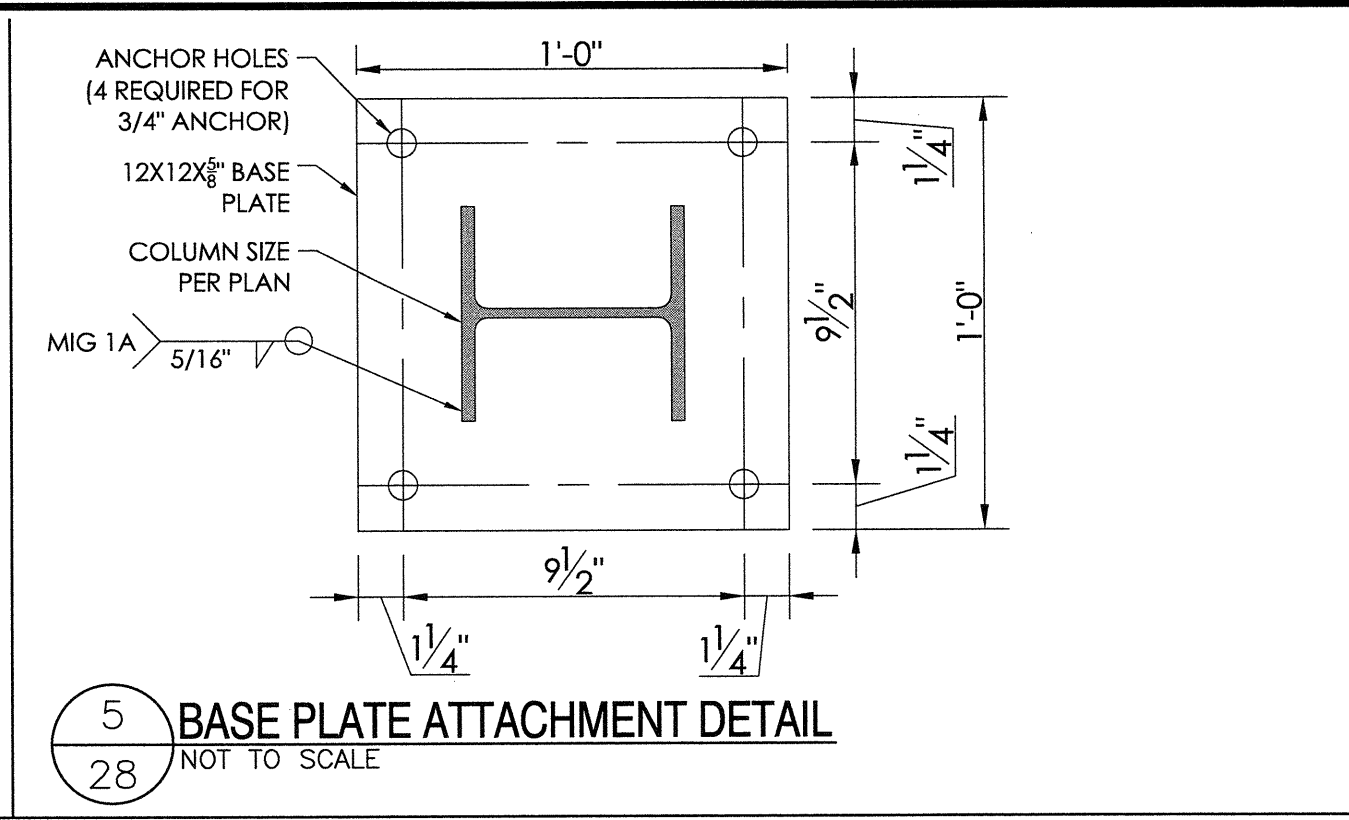
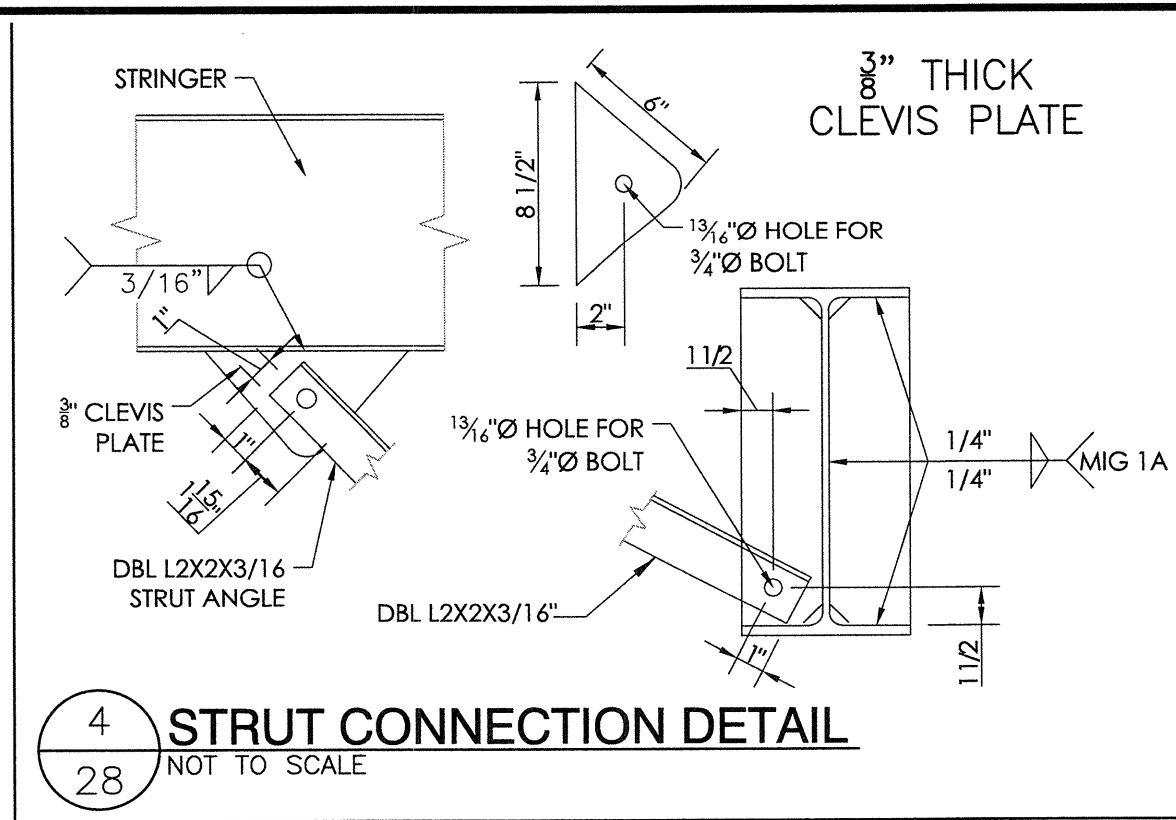
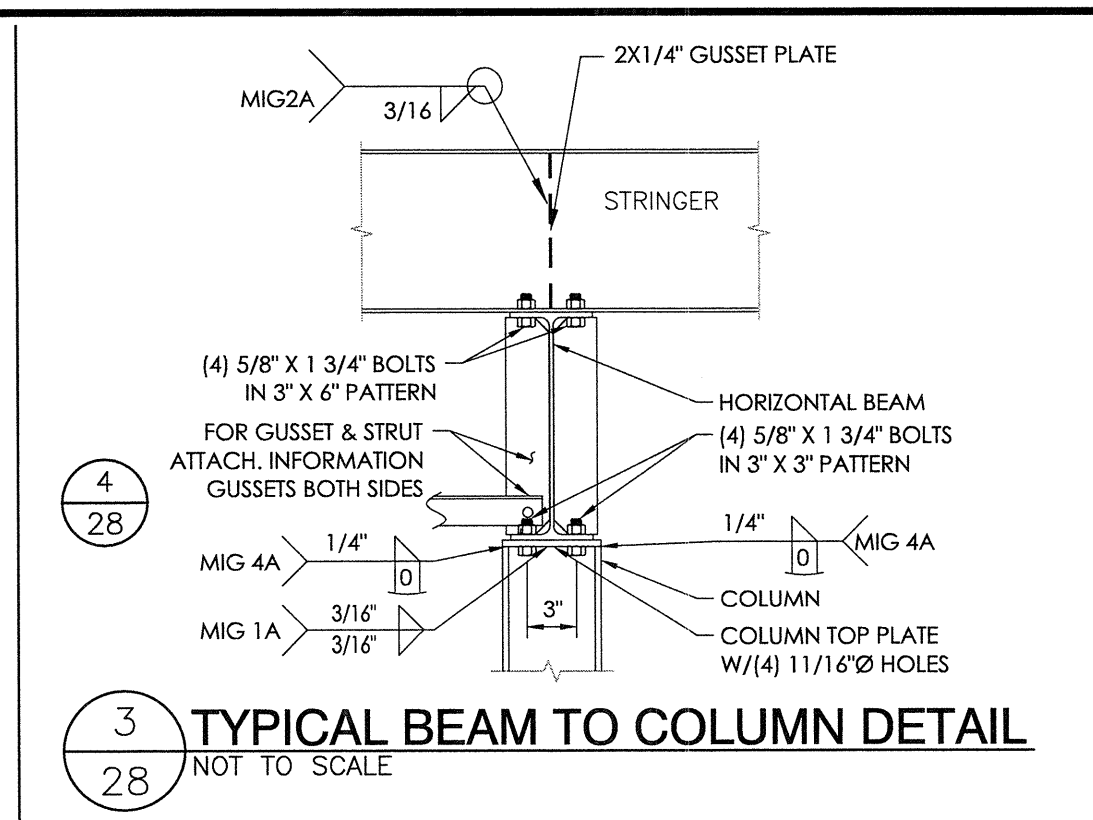
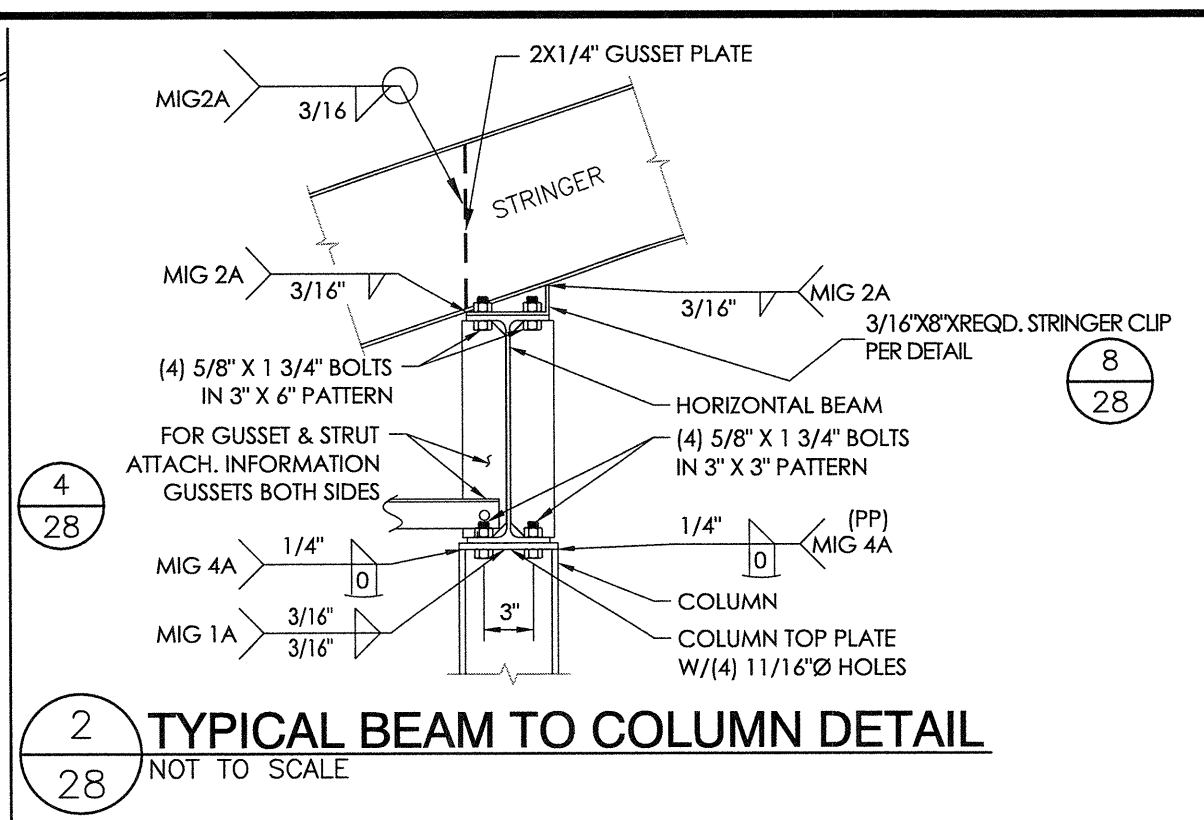
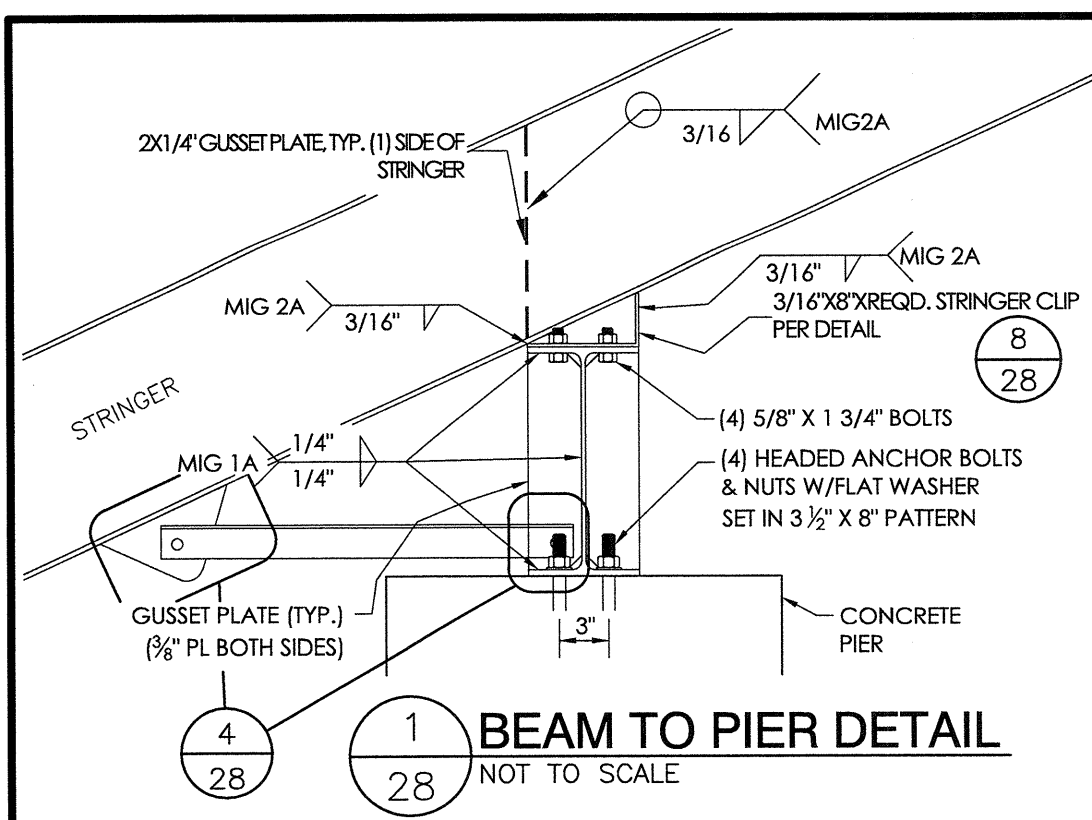
ESTABLISHED 1946
GRANDSTANDS • BLEACHERS STADIUMS
Southern BLEACHER COMPANY

LIBERTY UNION HIGH SCHOOL DISTRICT
LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

DATE: 7/11/18
JOB NUMBER: 18120
SHEET: 27 OF 29

NO CHANGE
NO CHANGE

22" X 34" (11x17 = 1/2 indicated scale)



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PO Box One, Graham, Texas 76450
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 Phone: 940/549-0733 Fax: 940/549-1365

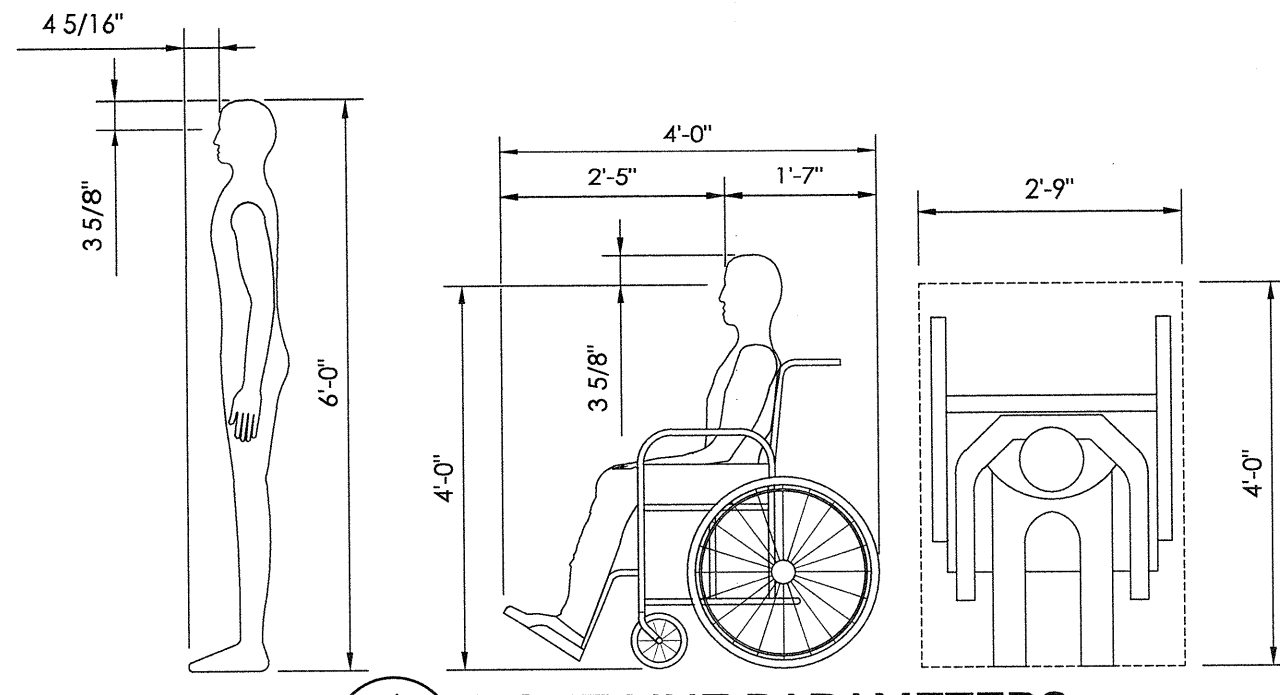
REGISTERED PROFESSIONAL ENGINEER
 BRIAN T. DEAN
 S 6087
 Exp. 06/30/19
 STATE OF CALIFORNIA
 SENIOR MANAGING ENGINEER

LIBERTY UNION HIGH SCHOOL DISTRICT
 LIBERTY HIGH SCHOOL
 BRENTWOOD, CALIFORNIA

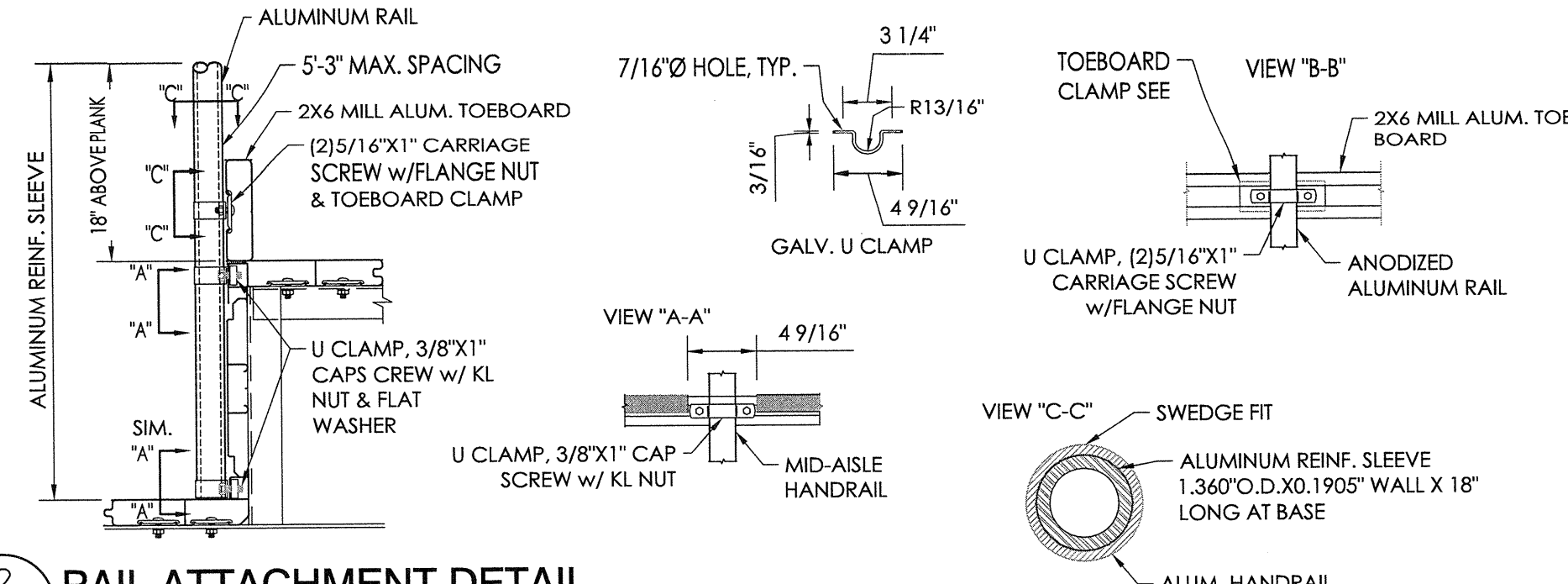
REV	BY	DATE	DESCRIPTION
1	JGS	7/11/18	ISSUED FOR PERMIT
2	JGS	11/2/18	NO CHANGE
3	ECM	10/2/18	NO CHANGE
4	ECM	10/2/18	NO CHANGE

JOB NUMBER: **18120**
 SHEET: **28** OF **29**

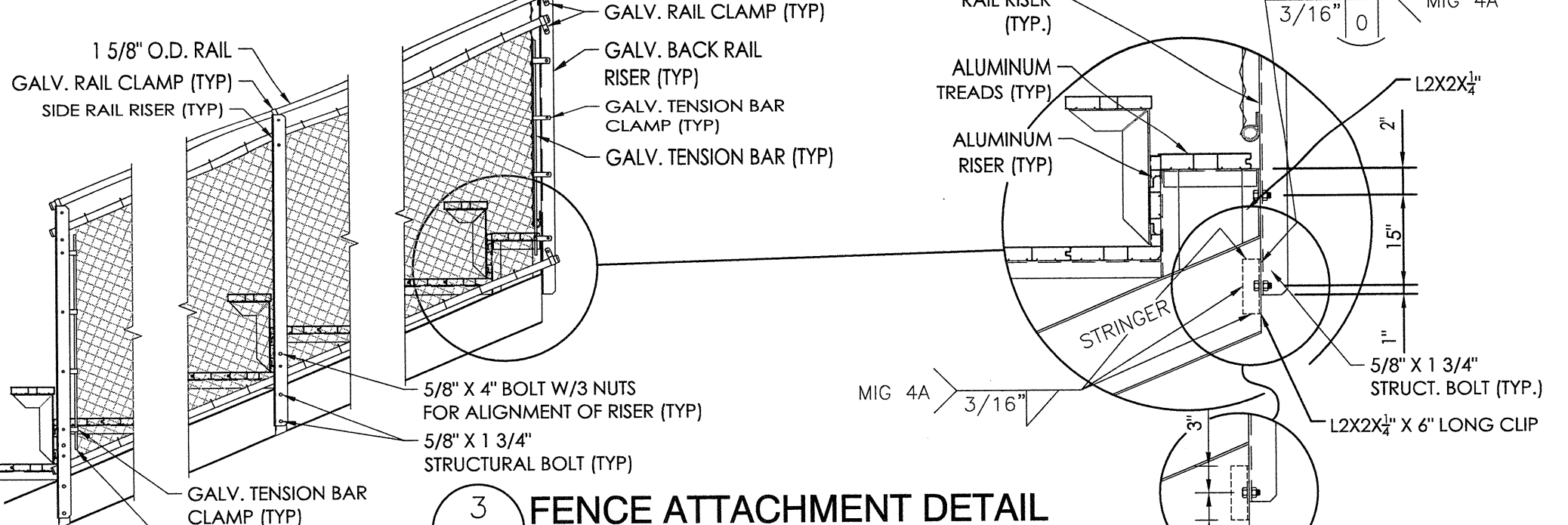
22" X 34" (1/16" = 1/2 indicated scale)



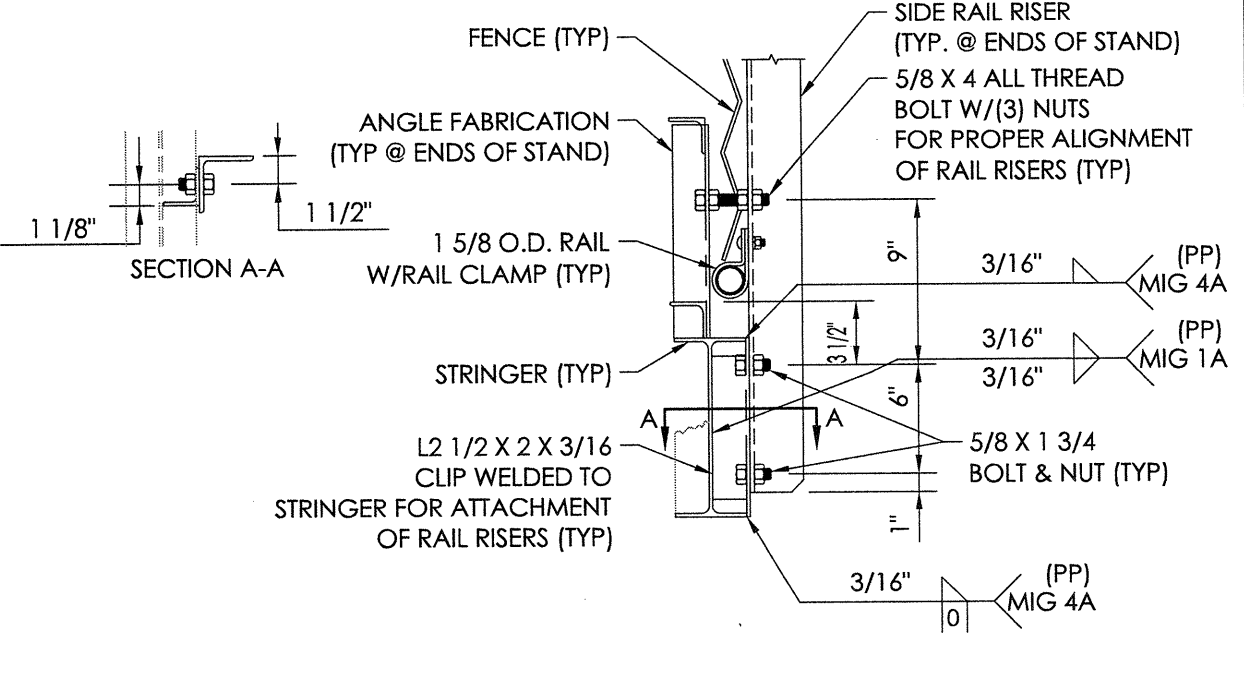
1 SIGHT LINE PARAMETERS
29 NOT TO SCALE



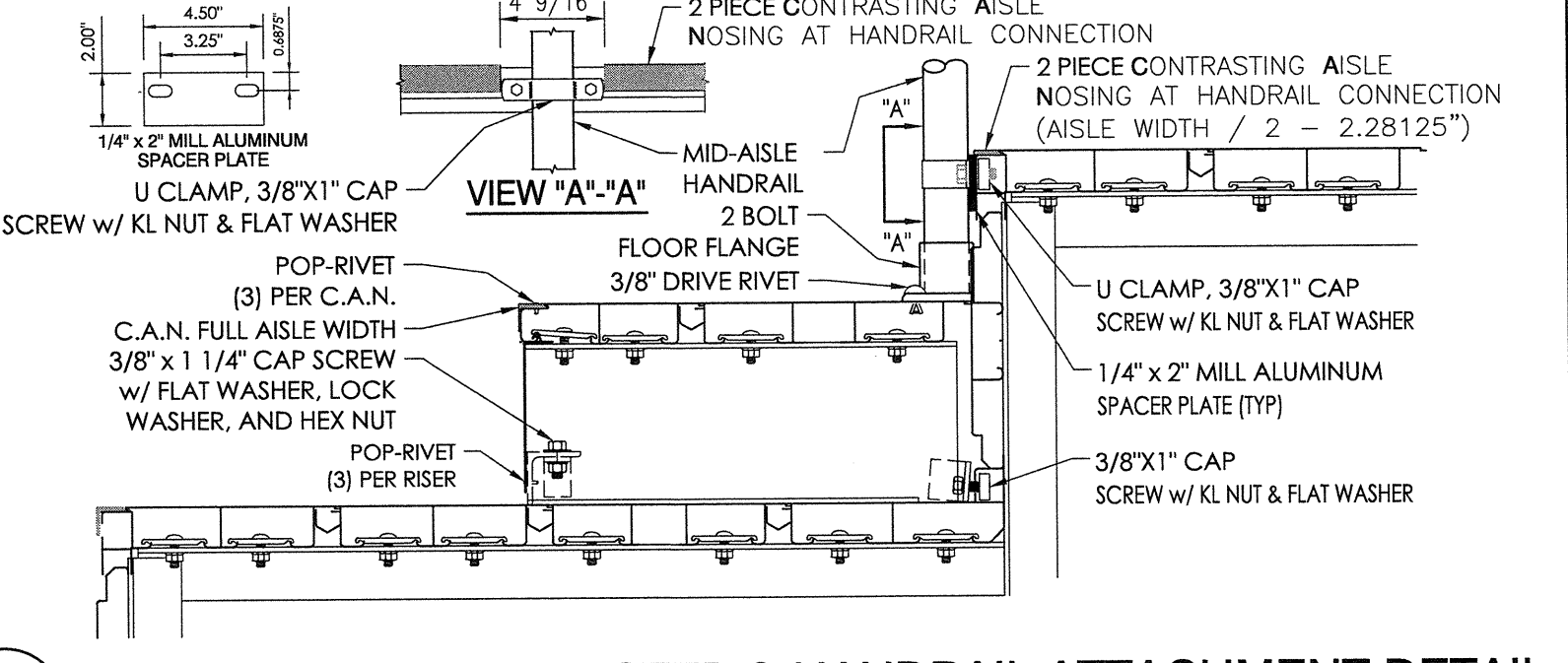
2 RAIL ATTACHMENT DETAIL
29 NOT TO SCALE



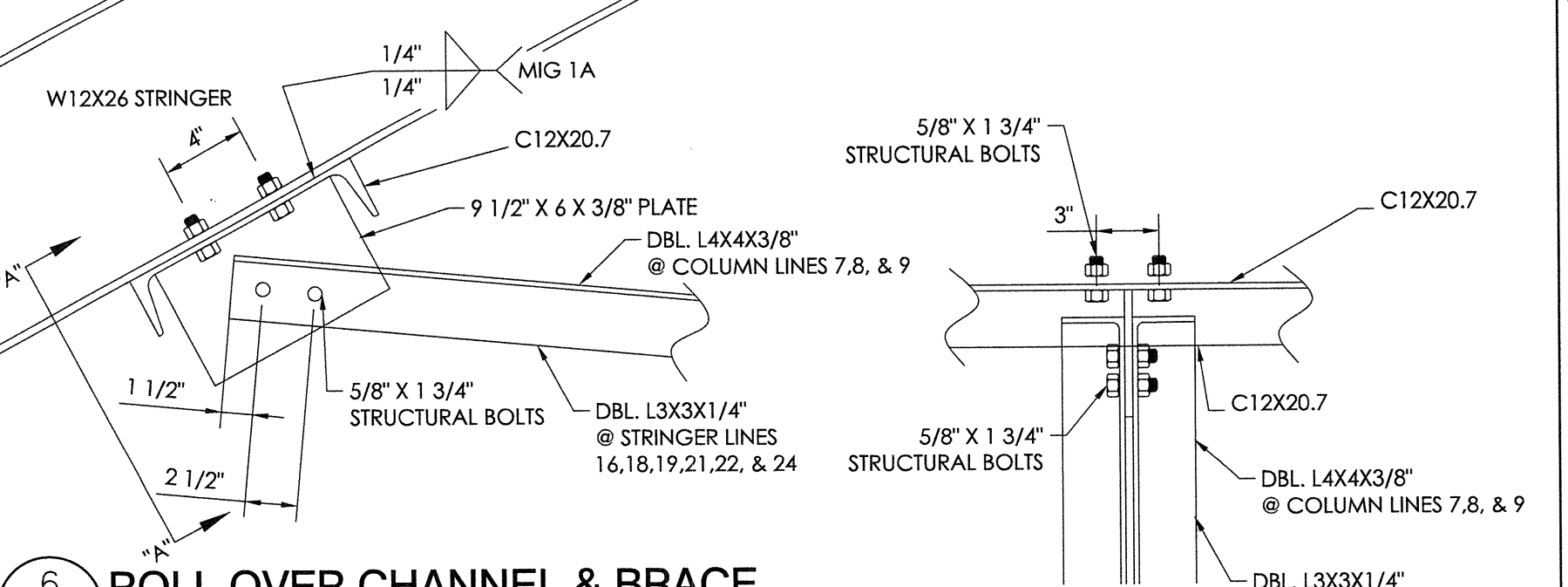
3 FENCE ATTACHMENT DETAIL
29 NOT TO SCALE



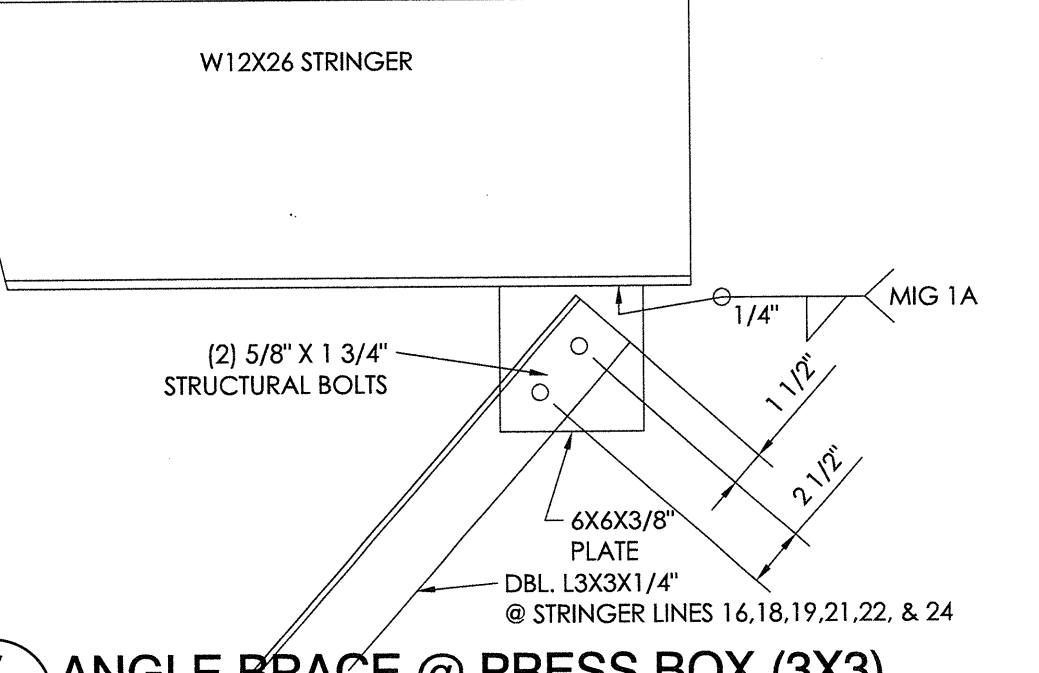
4 SIDE RAIL RISER ATTACHMENT DETAIL
29 NOT TO SCALE



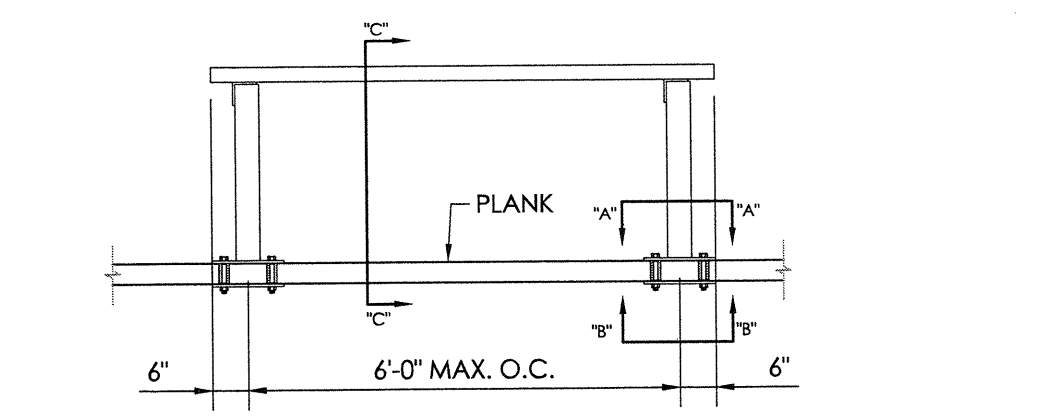
5 INTERLOCK 2000 HALF STEP & HANDRAIL ATTACHMENT DETAIL
29 NOT TO SCALE



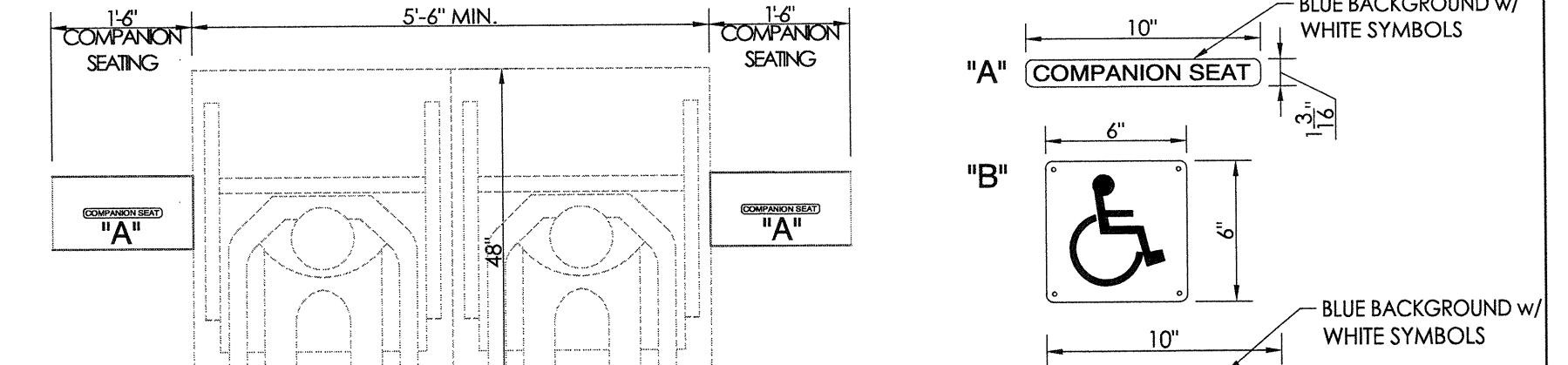
6 ROLL OVER CHANNEL & BRACE
29 NOT TO SCALE



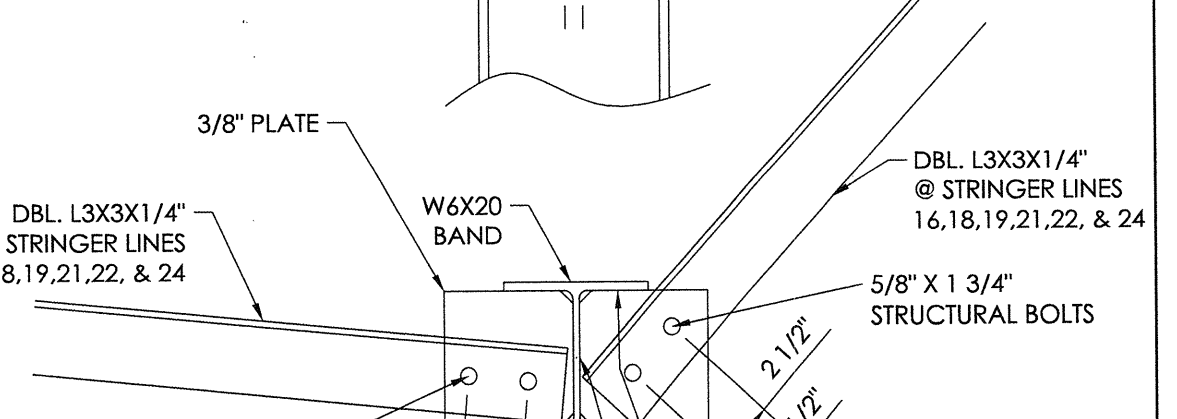
7 ANGLE BRACE @ PRESS BOX (3X3)
29 NOT TO SCALE



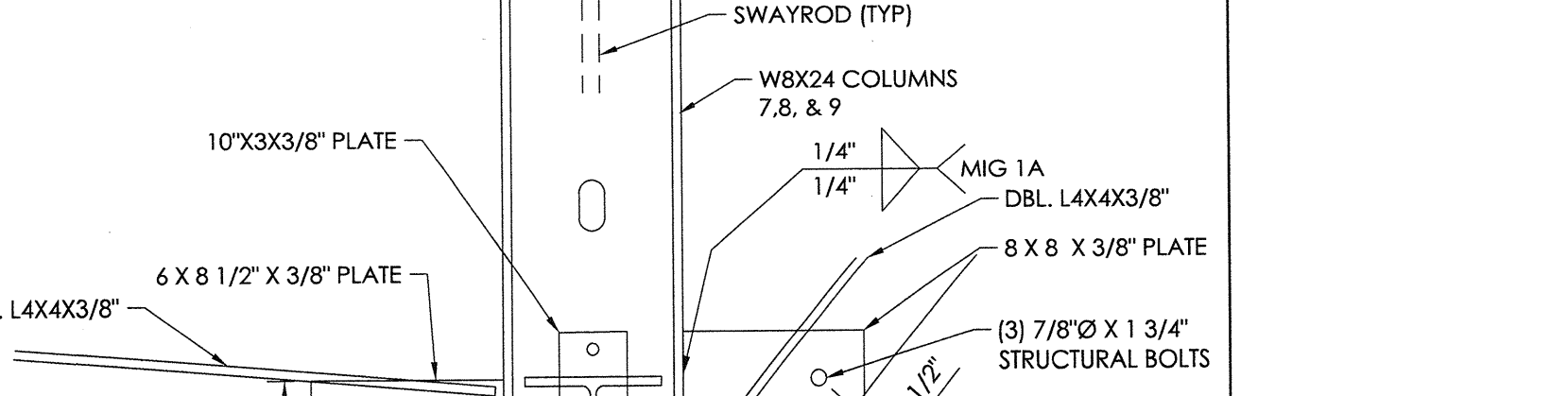
8 MAVERICK BENCH DETAIL
29 NOT TO SCALE



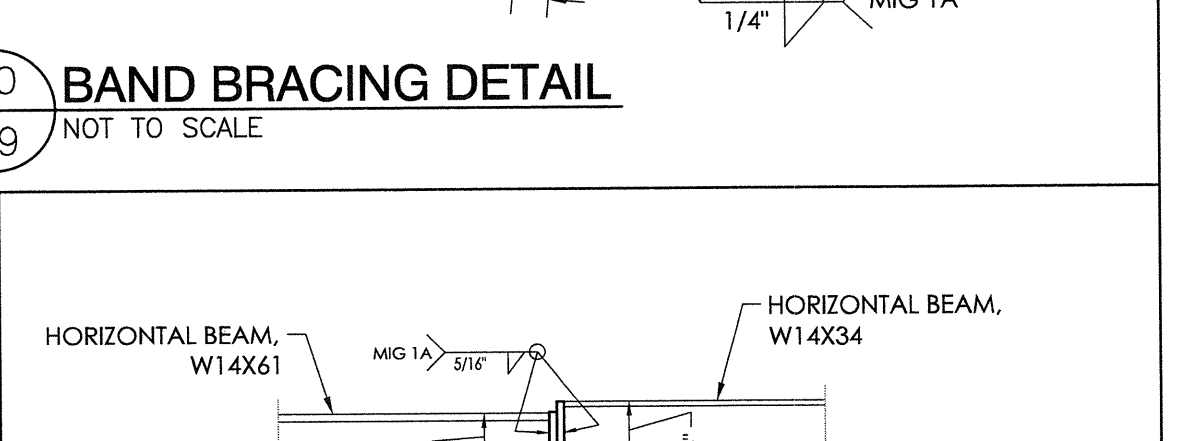
9 SIGNAGE DETAIL
29 NOT TO SCALE



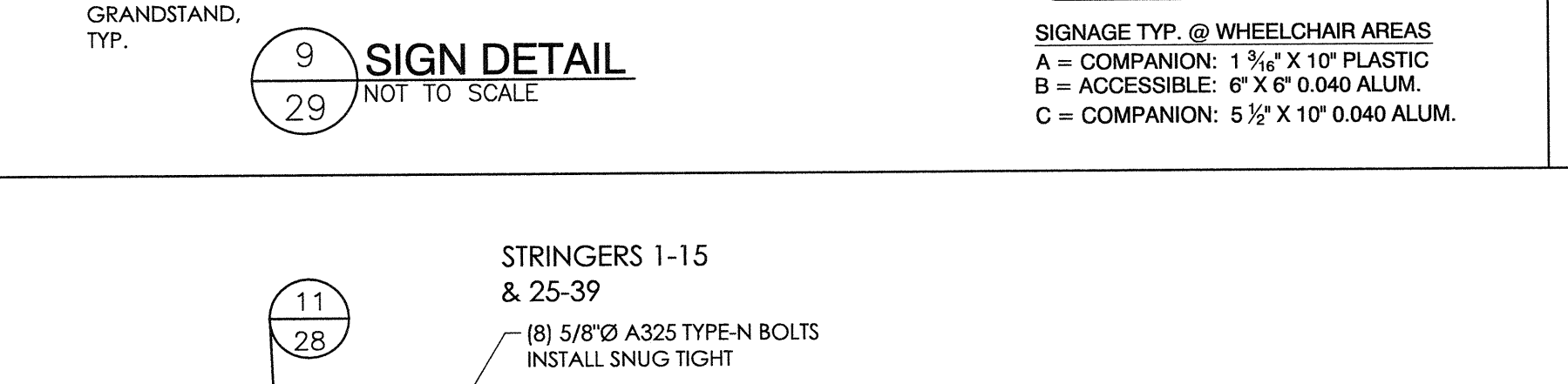
10 BAND BRACING DETAIL
29 NOT TO SCALE



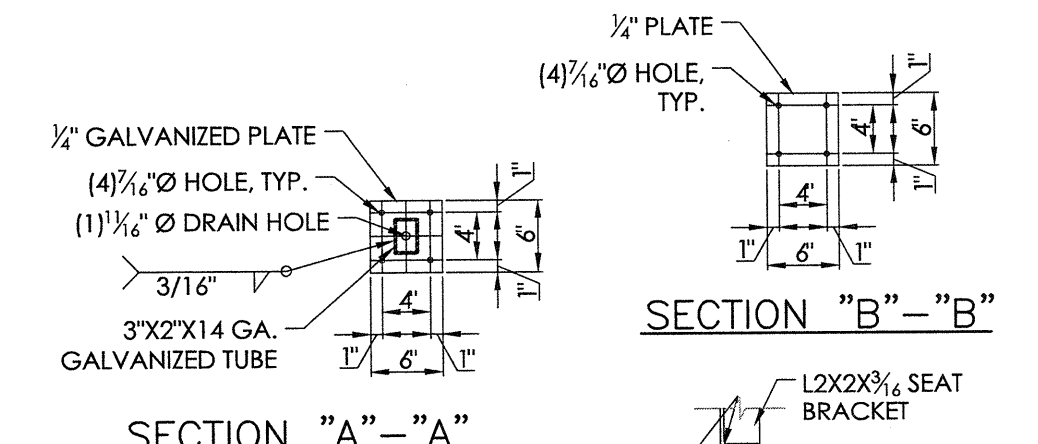
11 BAND BRACING @ COLUMN DETAIL
29 NOT TO SCALE



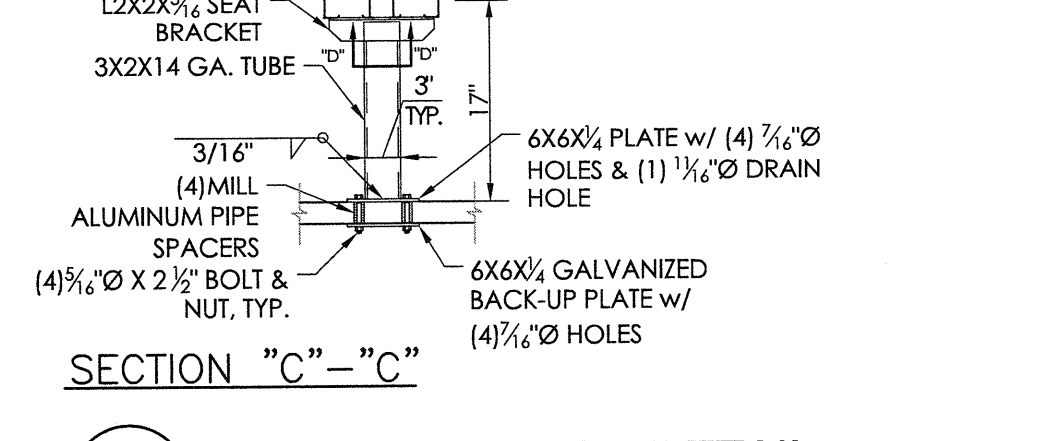
13 BEAM SPLICE DETAIL
29 NOT TO SCALE



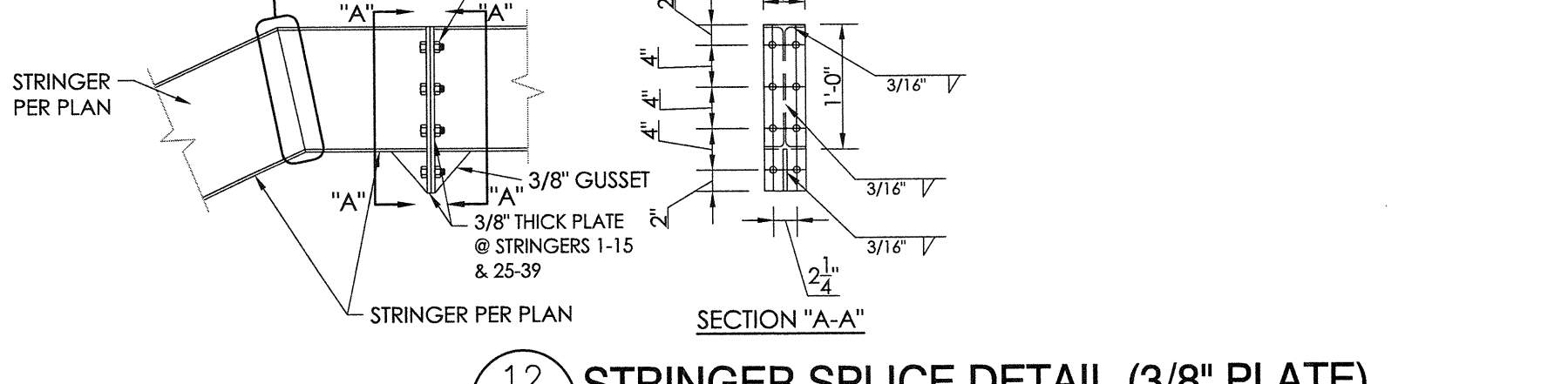
12 STRINGER SPLICE DETAIL (3/8" PLATE)
29 NOT TO SCALE



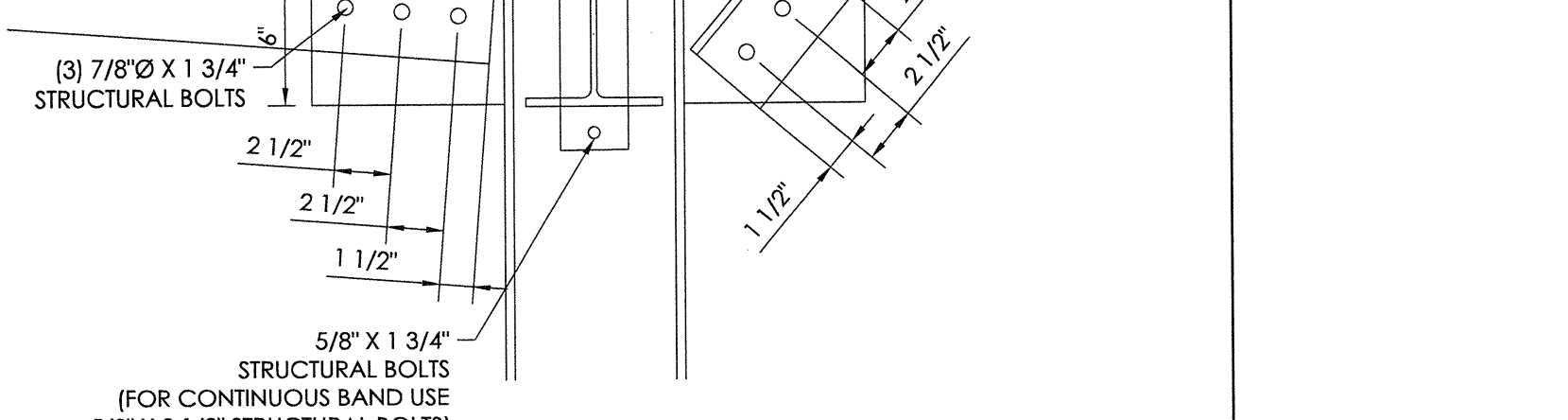
SECTION "A"- "A"
SECTION "D"- "D"



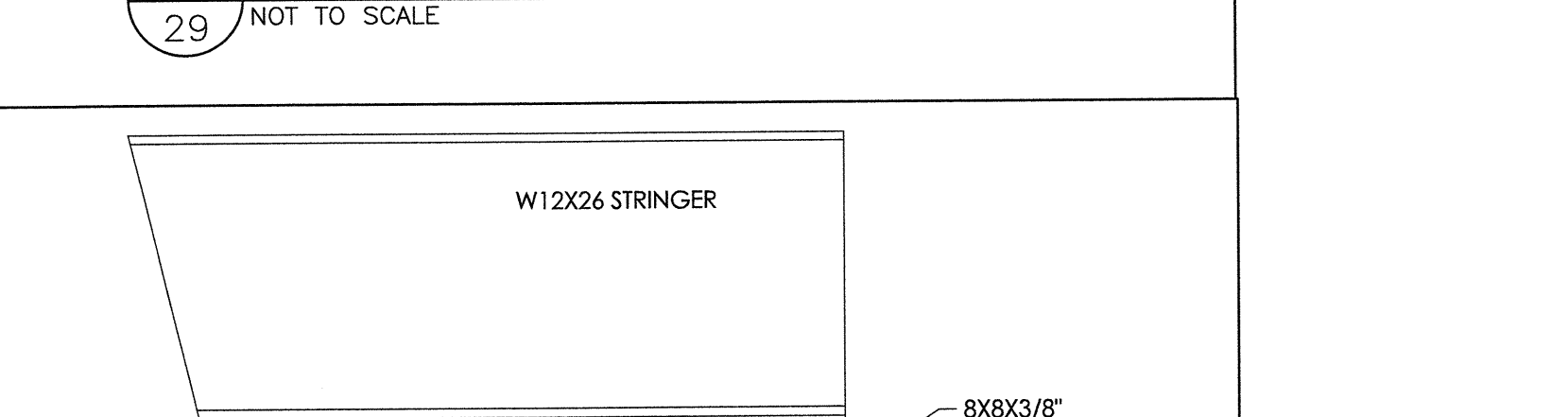
SECTION "C"- "C"



14 STRINGER SPLICE DETAIL (1/2" PLATE)
29 NOT TO SCALE



11 BAND BRACING @ COLUMN DETAIL
29 NOT TO SCALE



15 ANGLE BRACE @ PRESS BOX (4X4)
29 NOT TO SCALE

Taylor & Ryan
STRUCTURAL ENGINEERS
559 S. Orange Ave., Suite 9101
Orange, CA 92668
Tel: (714) 940-9101
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www.taylorandryan.com

PO Box One, Graham, Texas 76450
801 Fifth Street
Graham, Texas 76450
Phone: 940/549-0733 Fax: 940/549-1345
Established 1946

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LIBERTY HIGH SCHOOL
BRENTWOOD, CALIFORNIA

REV	DATE	DESCRIPTION
1	7/11/18	JGS ECM/DMc

JOB NUMBER: **18120**
SHEET: **29** OF **29**

DATE: 7/11/18
DRAWN: JGS
CHECKED: ECM/DMc
DATE: 10/2/18
UP DATED: 10.11.18
DATE: 10/2/18
JGS
NO CHANGE

22" X 34" (11x17 = 1/2 indicated scale)

BUILDING OPTIONS SCHEDULE

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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:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**BUILDING OPTIONS
SCHEDULE**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECKED DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
	04 - 116720 INCR: 0
	AC_RM_FLS_DS_SSR KER DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC
PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

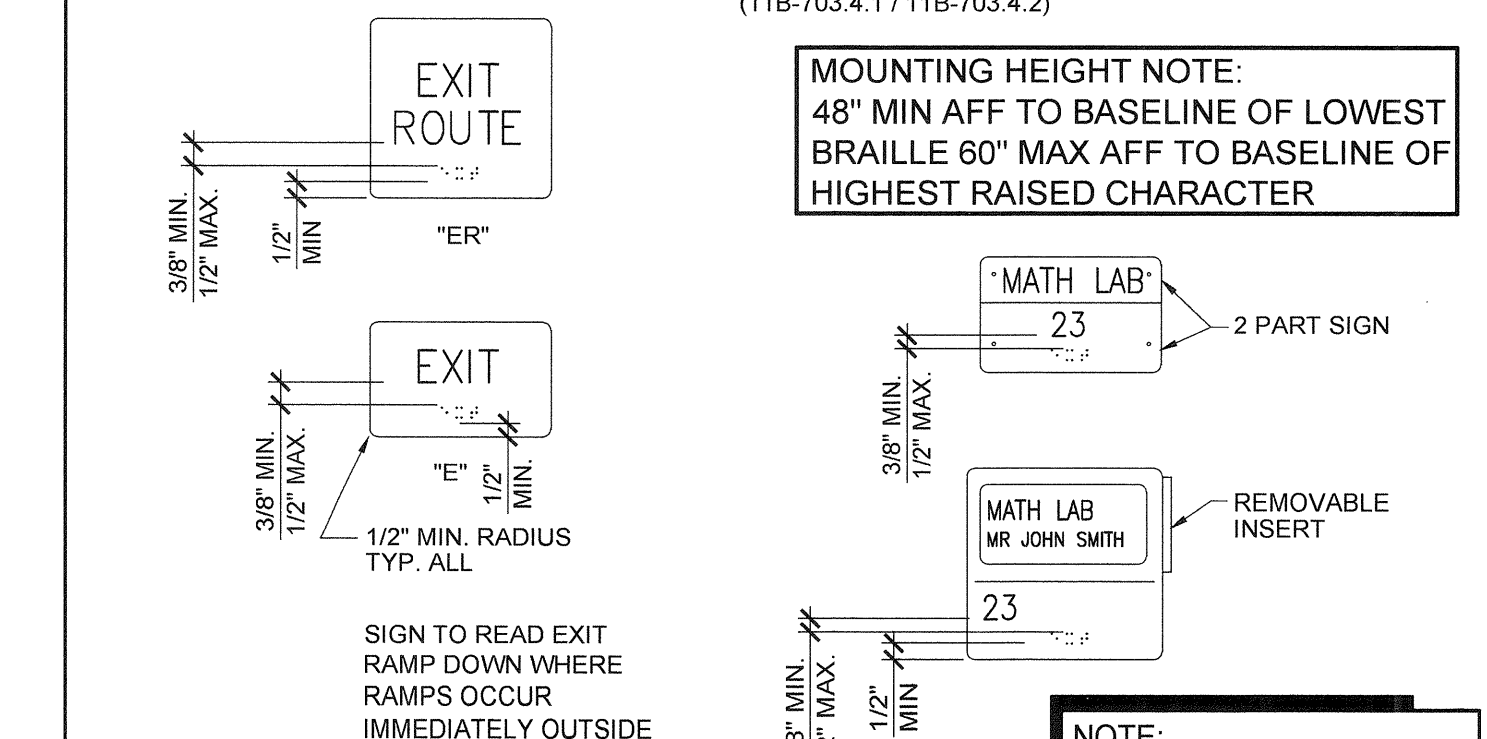
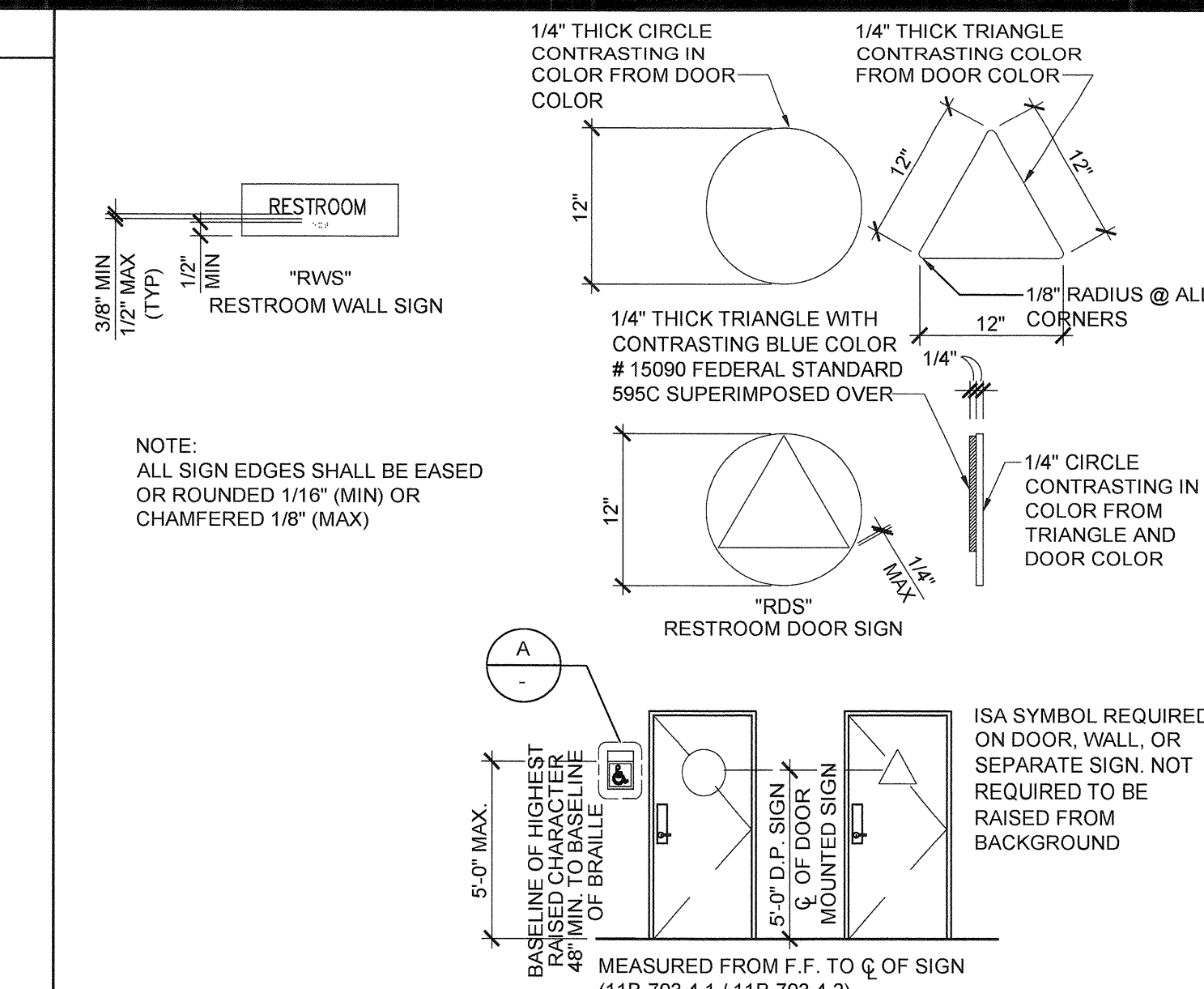
P.C. SHEET NUMBER

A-0.0

PLUMBING	SHEET NUMBER	ARCHITECTURAL DETAILS	SHEET NUMBER	GENERAL ARCHITECTURAL SHEETS	SHEET NUMBER
PLUMBING PLAN AND ISOMETRICS <input type="checkbox"/> MODEL A-1 <input type="checkbox"/> ADULT <input type="checkbox"/> ELEMENTARY <input type="checkbox"/> MODEL A-2 <input type="checkbox"/> ADULT <input type="checkbox"/> ELEMENTARY <input type="checkbox"/> MODEL B-1 <input type="checkbox"/> ADULT <input type="checkbox"/> ELEMENTARY <input checked="" type="checkbox"/> MODEL B-2 <input checked="" type="checkbox"/> ADULT <input type="checkbox"/> ELEMENTARY <input type="checkbox"/> MODEL C-1 <input type="checkbox"/> ADULT <input type="checkbox"/> ELEMENTARY <input type="checkbox"/> MODEL C-2 <input type="checkbox"/> ADULT <input type="checkbox"/> ELEMENTARY <input type="checkbox"/> MODEL D-1 <input type="checkbox"/> ADULT <input type="checkbox"/> ELEMENTARY <input checked="" type="checkbox"/> PLUMBING DETAILS AND SCHEDULES	P-1.01 A/E P-1.01 A/E P-1.02 A/E P-1.02 A/E P-1.03 A/E P-1.03 A/E P-1.04 A/E P-2.01	WALL DETAILS: <input checked="" type="checkbox"/> WOOD STUDS <input checked="" type="checkbox"/> EXTERIOR WOOD SIDING <input type="checkbox"/> EXTERIOR PLASTER FINISH <input type="checkbox"/> EXTERIOR WOOD SIDING - 1 HOUR RATED <input type="checkbox"/> EXTERIOR PLASTER FINISH - 1 HOUR RATED <input type="checkbox"/> EXTERIOR WOOD SIDING <input type="checkbox"/> EXTERIOR PLASTER FINISH <input type="checkbox"/> EXTERIOR WOOD SIDING - 1 HOUR RATED <input type="checkbox"/> EXTERIOR PLASTER FINISH - 1 HOUR RATED <input type="checkbox"/> STEEL STUDS <input type="checkbox"/> EXTERIOR WOOD SIDING <input type="checkbox"/> EXTERIOR PLASTER FINISH <input type="checkbox"/> EXTERIOR WOOD SIDING - 1 HOUR RATED <input type="checkbox"/> EXTERIOR PLASTER FINISH - 1 HOUR RATED <input type="checkbox"/> 1-HOUR RATED OPTIONS FLOOR DETAILS: <input type="checkbox"/> 1-HOUR RATED OPTIONS	A-5.50 A-5.51 A-5.52 A-5.53 A-5.60 A-5.61 A-5.62 A-5.63 A-5.64 A-5.70	COVER SHEET: T & I FORMS: BUILDING OPTIONS SCHEDULE SHEET: SYMBOLS, LEGEND, ABBREVIATION, ADA SIGNAGE SHEET: SCHEDULE SHEET: ENERGY COMPLIANCE FORMS ENERGY COMPLIANCE FORMS ENERGY COMPLIANCE FORMS DESIGN ENERGY VALUES & CAL GREEN SPECIFICATIONS	A-0 A-0A A-0.0 A-0.1 A-0.2 A-0.5 (A-D) A-0.6A A-0.6B A-0.7
MECHANICAL (MODEL E ONLY)	SHEET NUMBER	MISCELLANEOUS DETAILS	SHEET NUMBER	FLOOR PLANS	SHEET NUMBER
<input checked="" type="checkbox"/> MECHANICAL NOTES, SCHEDULES, AND DETAILS: <input type="checkbox"/> WALL MOUNT <input type="checkbox"/> ROOF MOUNT	M-0.1 M-1.01 M-2.01	MISCELLANEOUS: <input type="checkbox"/> CASEWORK, TV, AND PROJECTION SCREEN DETAILS <input checked="" type="checkbox"/> WATER HEATER, DRINKING FOUNTAIN, AND FOLDING WALL DETAILS	A-5.80 A-5.81	FLOOR PLANS: <input type="checkbox"/> FLOOR PLAN - (MODEL A-1) <input type="checkbox"/> FLOOR PLAN - (MODEL A-2) <input type="checkbox"/> FLOOR PLAN - (MODEL B-1) <input checked="" type="checkbox"/> FLOOR PLAN - (MODEL B-2) <input type="checkbox"/> FLOOR PLAN - (MODEL C-1) <input type="checkbox"/> FLOOR PLAN - (MODEL C-2) <input type="checkbox"/> FLOOR PLAN - (MODEL D-1) <input type="checkbox"/> FLOOR PLAN - (MODEL E)	A-1.01 A-1.01 A-1.02 A-1.02 A-1.03 A-1.03 A-1.04 A-1.04
ELECTRICAL	SHEET NUMBER	INTERIOR ELEVATIONS	SHEET NUMBER	CEILING	SHEET NUMBER
ELECTRICAL PLAN: <input type="checkbox"/> MODEL A-1 <input type="checkbox"/> MODEL A-2 <input type="checkbox"/> MODEL B-1 <input checked="" type="checkbox"/> MODEL B-2 <input type="checkbox"/> MODEL C-1 <input type="checkbox"/> MODEL C-2 <input type="checkbox"/> MODEL D-1 <input type="checkbox"/> MODEL E	E-1.01 E-1.01 E-1.02 E-1.02 E-1.03 E-1.03 E-1.04 E-1.04	INTERIOR ELEVATIONS <input checked="" type="checkbox"/> INTERIOR ELEVATIONS - WALL MOUNTED <input type="checkbox"/> INTERIOR ELEVATIONS - FLOOR MOUNTED	A-6.01 A-6.02	REFLECTED CEILING PLANS: <input type="checkbox"/> REFLECTED CEILING PLAN - (MODEL A-1) <input type="checkbox"/> REFLECTED CEILING PLAN - (MODEL A-2) <input type="checkbox"/> REFLECTED CEILING PLAN - (MODEL B-1) <input checked="" type="checkbox"/> REFLECTED CEILING PLAN - (MODEL B-2) <input type="checkbox"/> REFLECTED CEILING PLAN - (MODEL C-1) <input type="checkbox"/> REFLECTED CEILING PLAN - (MODEL C-2) <input type="checkbox"/> REFLECTED CEILING PLAN - (MODEL D-1) <input type="checkbox"/> REFLECTED CEILING PLAN - (MODEL E) CEILING DETAILS: <input type="checkbox"/> T-GRID <input type="checkbox"/> HARD LID	A-2.01 A-2.01 A-2.02 A-2.02 A-2.03 A-2.03 A-2.04 A-2.04 A-2.20 A-2.21
RAMP	SHEET NUMBER	FOUNDATIONS	SHEET NUMBER	ROOF PLAN	SHEET NUMBER
RAMP PLANS: <input checked="" type="checkbox"/> STANDARD RAMP PLAN <input checked="" type="checkbox"/> OFFSET RAMP PLAN <input checked="" type="checkbox"/> RAMP LANDING <input type="checkbox"/> STANDARD LANDING WITH STEPS <input type="checkbox"/> SWITCHBACK RAMP PLAN <input checked="" type="checkbox"/> RAMP DETAILS <input type="checkbox"/> CONCRETE RAMP	R-1.01 R-1.02 R-1.03 R-1.04 R-1.05 R-2.01 R-3.01	<input checked="" type="checkbox"/> WOOD FOUNDATION PLAN <input type="checkbox"/> 12' x 40' (50 PSF) <input checked="" type="checkbox"/> 12' x 40' (50+15 PSF) <input type="checkbox"/> 12' x 40' (100 PSF) <input type="checkbox"/> 12' x 40' (150 PSF) <input checked="" type="checkbox"/> WOOD FOUNDATION DETAILS: <input type="checkbox"/> CONCRETE FOUNDATION PLAN - ABOVE GRADE <input type="checkbox"/> WOOD FLOOR - (50, 50+15, 100, OR 150PSF) <input type="checkbox"/> CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF) <input type="checkbox"/> CONCRETE FOUNDATION DETAILS - ABOVE GRADE: <input type="checkbox"/> CONCRETE FOUNDATION PLAN - BELOW GRADE <input type="checkbox"/> WOOD FLOOR - (50, 50+15, 100, OR 150PSF) <input type="checkbox"/> CONCRETE FLOOR - (50, 50+15, 100, OR 150PSF)	F-0.01 F-0.02 F-0.03 F-0.04 F-0.50 F-1.01 F-1.11 F-2.01 F-2.11 F-2.50 F-2.51	ROOF PLANS: <input checked="" type="checkbox"/> 0.018" ROOF - METAL DECK - DUAL SLOPE <input type="checkbox"/> 0.030" ROOF - METAL DECK - DUAL / MONO SLOPE <input type="checkbox"/> ROOF PLAN - DUAL / MONO SLOPE - PARAPET <input type="checkbox"/> ROOF PLAN - TPO - DUAL / MONO SLOPE ROOF DETAILS: <input checked="" type="checkbox"/> 0.018" ROOF - METAL DECK <input type="checkbox"/> 0.030" ROOF - METAL DECK <input type="checkbox"/> 0.030" ROOF - METAL DECK <input type="checkbox"/> ROOF DETAILS - PARAPET <input type="checkbox"/> ROOFING DETAILS - TPO	A-3.01 A-3.11 A-3.31 A-3.41 A-3.50 A-3.60 A-3.61 A-3.80 A-3.90
BUILDING RELOCATABLE DETAILS	SHEET NUMBER	GENERAL STRUCTURAL SHEETS	SHEET NUMBER	EXTERIOR ELEVATION	SHEET NUMBER
<input type="checkbox"/> BUILDING RELOCATION DETAILS	REL-101	STRUCTURAL SPECS: FLOOR FRAMING PLANS FLOOR FRAMING: <input checked="" type="checkbox"/> WOOD FLOOR <input type="checkbox"/> CONCRETE FLOOR FLOOR FRAMING DETAILS: <input checked="" type="checkbox"/> WOOD FLOOR <input type="checkbox"/> CONCRETE FLOOR ROOF FRAMING PLANS ROOF FRAMING: <input type="checkbox"/> 0.018" - BUILT UP, OR TPO - MONO SLOPE <input type="checkbox"/> 0.030" - MONO SLOPE <input checked="" type="checkbox"/> 0.018" - BUILT UP, TPO - DUAL SLOPE <input type="checkbox"/> 0.030" - DUAL SLOPE <input type="checkbox"/> TPO - DUAL / MONO SLOPE - PARAPET ROOF FRAMING DETAILS: <input type="checkbox"/> MONO SLOPE <input checked="" type="checkbox"/> DUAL SLOPE ROOF MISC. DETAILS: <input type="checkbox"/> MONO SLOPE ROOF <input checked="" type="checkbox"/> DUAL SLOPE ROOF <input type="checkbox"/> 0.030" MONO SLOPE ROOF <input type="checkbox"/> 0.030" DUAL SLOPE ROOF BUILDING SECTION BUILDING SECTION: <input type="checkbox"/> MONO SLOPE ROOF <input checked="" type="checkbox"/> DUAL SLOPE ROOF <input type="checkbox"/> 0.030" MONO SLOPE ROOF <input type="checkbox"/> 0.030" DUAL SLOPE ROOF WALL FRAMING FRAMING ELEVATIONS: <input checked="" type="checkbox"/> WOOD STUDS <input type="checkbox"/> STEEL STUDS FRAMING DETAILS: <input checked="" type="checkbox"/> WOOD STUDS <input checked="" type="checkbox"/> WOOD STUDS <input type="checkbox"/> STEEL STUDS <input type="checkbox"/> STEEL STUDS	S-0.1 S-1.01 S-1.11 S-1.50 S-1.60 S-2.01 S-2.02 S-2.11 S-2.12 S-2.21 S-2.50 S-2.51 S-2.60 S-3.01 S-3.02 S-3.03 S-3.04 S-5.00 S-5.20 S-5.10 S-5.11 S-5.30 S-5.31	EXTERIOR ELEVATIONS: <input type="checkbox"/> MODEL A-1 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE <input type="checkbox"/> MODEL A-2 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE - PARAPET <input type="checkbox"/> MODEL B-1 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE <input type="checkbox"/> MODEL B-1 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE - PARAPET <input checked="" type="checkbox"/> MODEL B-2 <input checked="" type="checkbox"/> MONO SLOPE / DUAL SLOPE <input type="checkbox"/> MODEL B-2 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE - PARAPET <input type="checkbox"/> MODEL C-1 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE <input type="checkbox"/> MODEL C-1 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE - PARAPET <input type="checkbox"/> MODEL C-2 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE <input type="checkbox"/> MODEL C-2 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE - PARAPET <input type="checkbox"/> MODEL D-1 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE <input type="checkbox"/> MODEL D-1 <input type="checkbox"/> MONO SLOPE / DUAL SLOPE - PARAPET <input type="checkbox"/> MODEL E <input type="checkbox"/> MONO SLOPE / DUAL SLOPE <input type="checkbox"/> MODEL E <input type="checkbox"/> MONO SLOPE / DUAL SLOPE - PARAPET	A-4.01 A-4.11 A-4.02 A-4.12 A-4.03 A-4.13 A-4.04 A-4.14 A-4.05 A-4.15 A-4.06 A-4.16 A-4.07 A-4.17 A-4.08 A-4.18
CROSS SECTIONS	SHEET NUMBER	CROSS SECTIONS	SHEET NUMBER		
		<input type="checkbox"/> MONO SLOPE <input checked="" type="checkbox"/> DUAL SLOPE <input type="checkbox"/> MONO SLOPE - .030" ROOF DECK <input type="checkbox"/> DUAL SLOPE - .030" ROOF DECK	A-5.01 A-5.02 A-5.03 A-5.04 A-5.05		

REFLECTED CEILING NOTES

- 1. CEILING SYSTEM GENERAL NOTES:
1.01 Ceiling system components shall comply with ASTM C635-07 and Section 5.1 of ASTM E580-10a.
1.02 The ceiling grid system must be rated heavy duty as defined by ASTM C635-08.
1.03 Ceiling systems. The following ceiling system(s) is/are part of the scope of this project:
Manufacturer's Name ARMSTRONG
Product Evaluation Report Type and Number ICC ESR-1308
Manufacturer's Model Number - main runner 7301
Manufacturer's catalog number - cross runner XL3328
1.04 Seismic Wall Clip:
Manufacturer's Model BERC-2
1.05 Ceiling panels shall not support any light fixtures, air terminals or devices.
1.06 For ceiling installations utilizing acoustical tile panels of mineral or glass fiber, it is not mandatory to provide 3/4" clearance between the acoustical tile panels and the wall on the sides of the ceiling which are free to slip.
2. MATERIALS:
2.01 Ceiling wire shall be Class 1 zinc coated (galvanized) carbon steel conforming to ASTM A641-09a.
2.02 Galvanized sheet steel (including that used for metal stud and track compression struts/posts) shall conform to ASTM A653-11, or other equivalent steel listed in Section A2.1 of the North American Specification for the Design of Cold-Formed Steel Structural Members 2007, including supplement 2 dated 2010 (AISI S100-07/S2-10).
2.03 Electrical metallic tube (EMT) shall be ANSI C80-3/JUL 797 carbon steel with G90 galvanizing.
3. ATTACHMENT OF HANGER AND BRACING WIRES:
3.01 Separate all ceiling hanger and bracing wires at least six (6) inches from all unbraced ducts, pipes, conduits, etc.
3.02 Hanger and bracing wires shall not attach to or bend around obstructions including but not limited to: piping, ductwork, conduit and equipment.
3.03 Hanger wires that are more than one (horizontal) or six (vertical) out of plumb shall have counter-sloping wires.
3.04 Slack safety wires shall be considered hanger wires for installation and testing requirements.
3.05 Hanger and bracing wire anchorage to the structure shall be installed in such a manner that the direction of the anchorage aligns closely with the direction of the wire.
4. FASTENERS AND WELDING:
4.01 Sheet metal screws shall comply with ASTM C1513-10, ASME B18.6.4-99 (R2005).
4.02 Expansion anchors shall be: NOT APPLICABLE
4.03 Power-Actuated Fasteners shall be: NOT APPLICABLE
4.04 If not otherwise specified in the evaluation report, power-actuated fasteners installed in steel shall be installed so the entire pointed end of the fastener is driven through the steel member.
4.05 Power-actuated fasteners in concrete are not permitted for bracing wires.
4.06 Concrete reinforcement and prestressing tendons shall be located by non-destructive means prior to installing post - installed anchor.
4.07 Welding shall be in accordance with AWS D1.3 using E60XX series electrodes.
5. TESTING:
5.01 Post-installed anchors in concrete used to support hanger wires shall be tested at a frequency of 10 percent.
5.02 Post-installed anchors in concrete used to attach bracing wires shall be tested at a frequency of 50 percent in accordance with CBC Section 1913A.7.
6. LIGHT FIXTURES:
6.01 All light fixtures shall be positively attached to the ceiling suspension systems by mechanical means to resist a horizontal force equal to the weight of the fixture.
6.02 Surface-mounted light fixtures shall be attached to the main runner with at least two positive clamping devices.
6.03 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
6.04 Light fixtures weighing less than or equal to 10 lb. shall have a minimum of one (1) #12 gage slack safety wire connected from the fixture housing to the structure above.
6.05 Light fixtures weighing greater than 10 lb. but less than or equal to 56 lbs. may be supported directly on the ceiling runners, but they shall have a minimum of two (2) #12 gage slack safety wires connected from the fixture housing at diagonal corners to the structure above.
6.06 All light fixtures weighing greater than 56 lb. shall be independently supported by not less than four (4) #12 gage hanger wires (one at each corner) attached from the fixture housing to the structure above or other approved hangers.
7. SERVICES WITHIN THE CEILING:
7.01 All flexible sprinkler hose fitting mounting brackets, ceiling-mounted air terminals or other services shall be positively attached to the ceiling suspension systems by mechanical means.
7.02 Ceiling-mounted air terminals or other services weighing less than or equal to 20 lb. shall have one (1) #12 gage slack safety wire attached from the terminal or service to the structure above.
7.03 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 20 lb. but less than or equal to 56 lb. shall have two (2) #12 gage slack safety wires (at diagonal corners) connected from the terminal or service to the structure above.
7.04 Flexible sprinkler hose fittings, ceiling-mounted air terminals or other services weighing more than 56 lb. shall be supported directly from the structure above by not less than four (4) #12 gage hanger wires attached from the terminal or service to the structure above or other approved hangers.
8. OTHER DEVICES WITHIN THE CEILING:
8.01 All lightweight miscellaneous devices, such as strobe lights, occupancy sensors, speakers, exit signs, etc., shall be attached to the ceiling grid. In addition, devices weighing more than 10 lbs. shall have a #12 gage slack safety wire anchored to the structure above. Devices weighing more than 20 lb. shall be supported independently from the structure above.

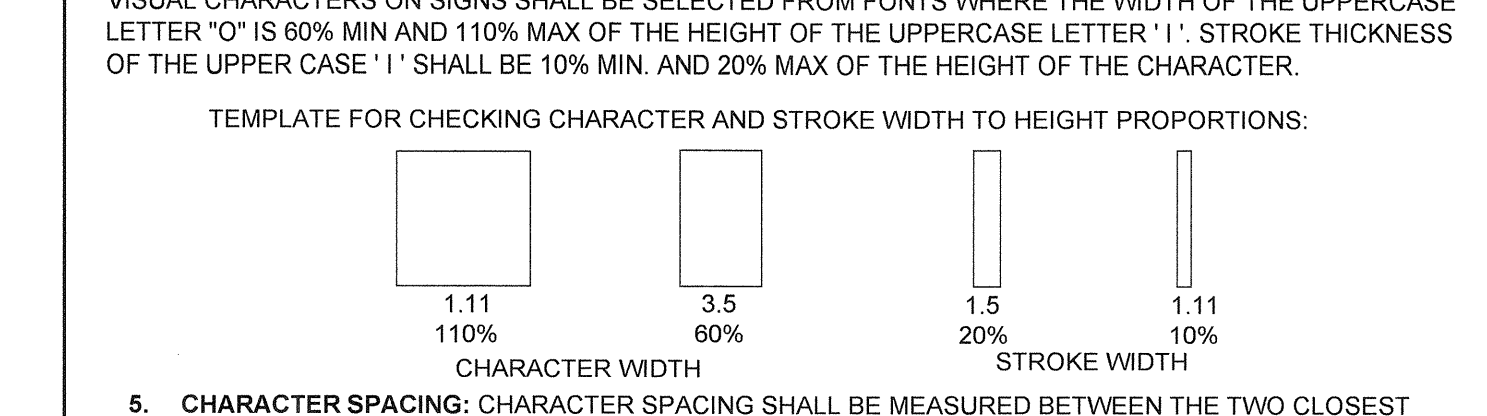


MOUNTING HEIGHT NOTE: 48" MIN AFF TO BASELINE OF LOWEST BRAILLE 60" MAX AFF TO BASELINE OF HIGHEST RAISED CHARACTER

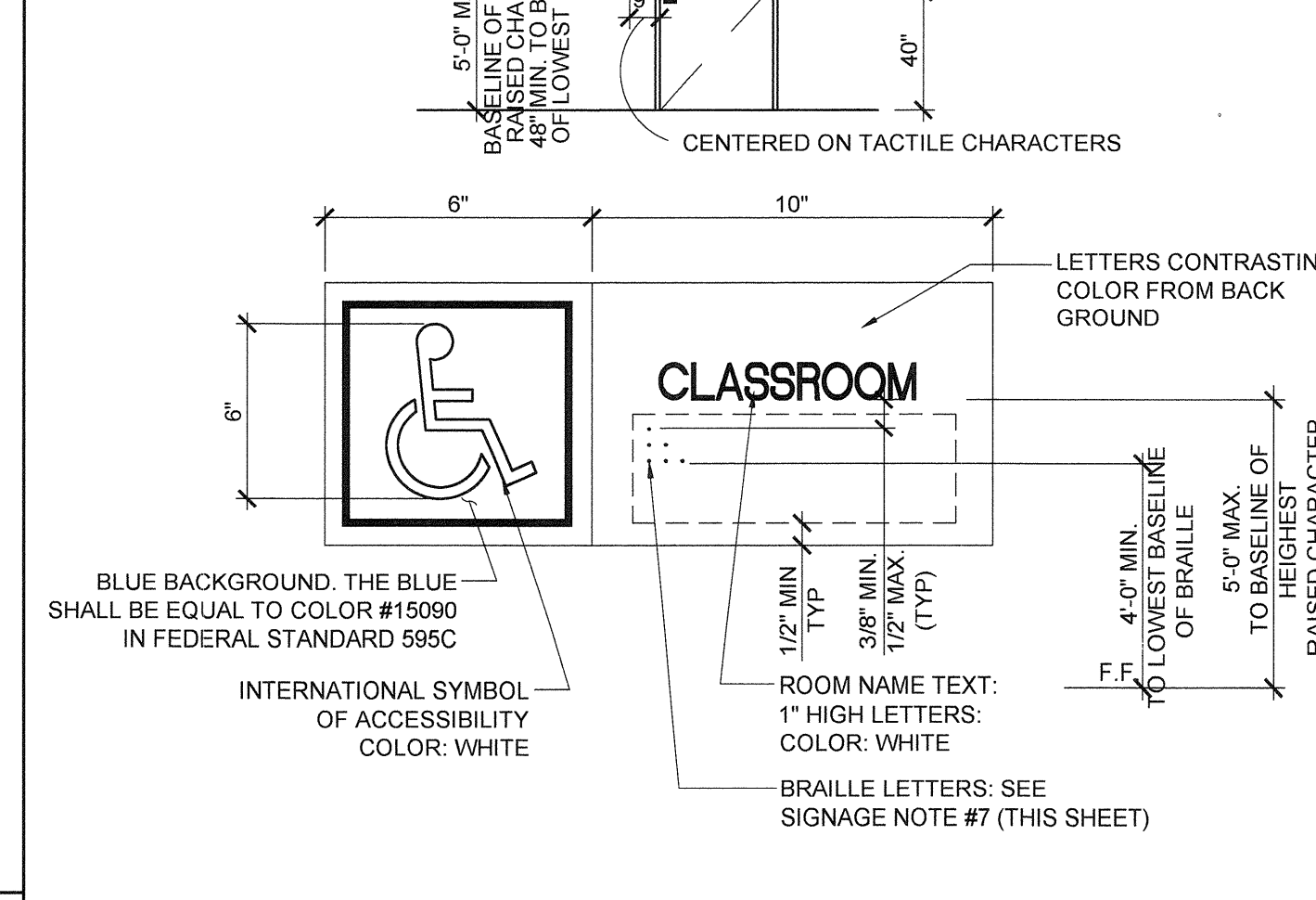
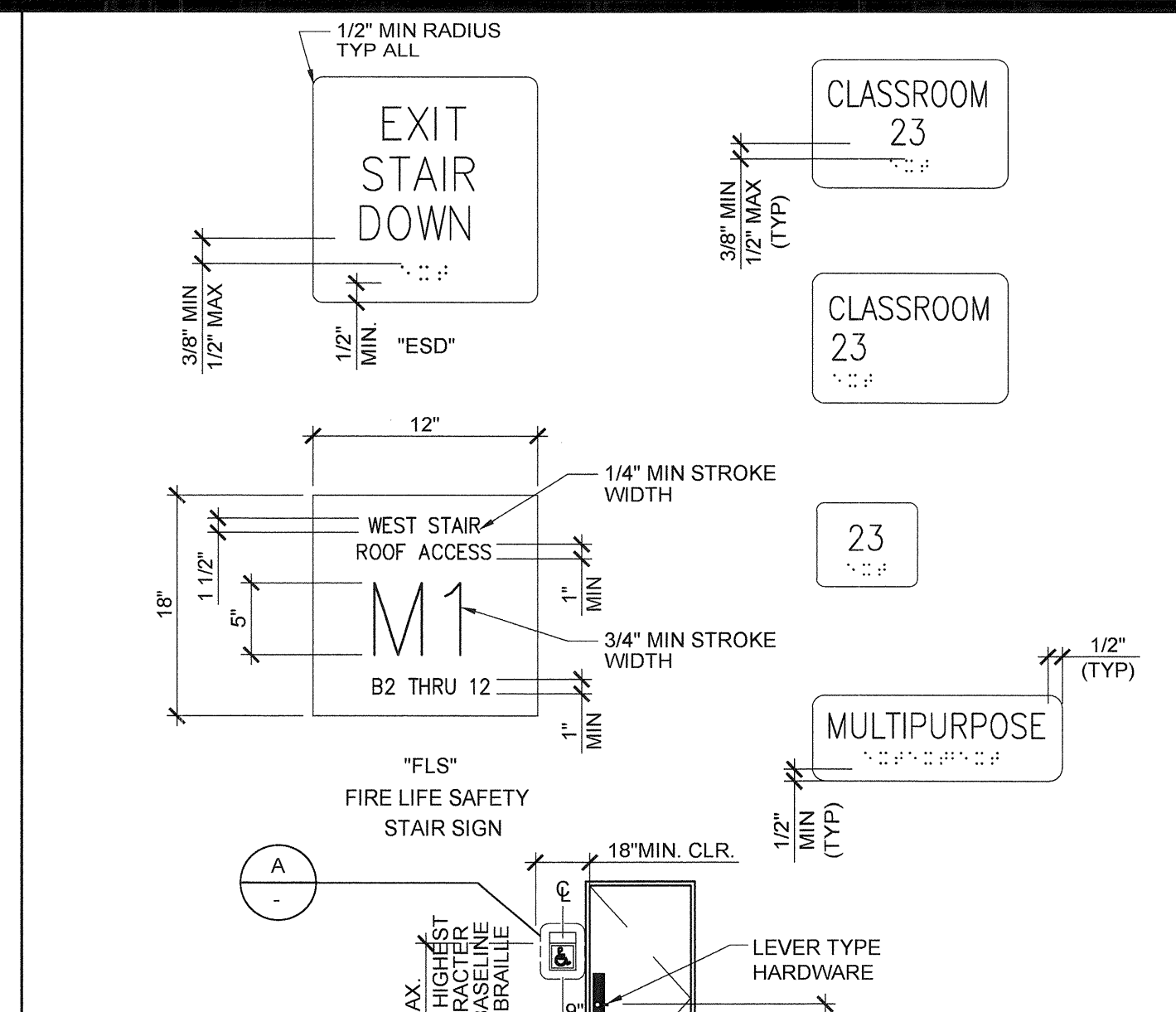
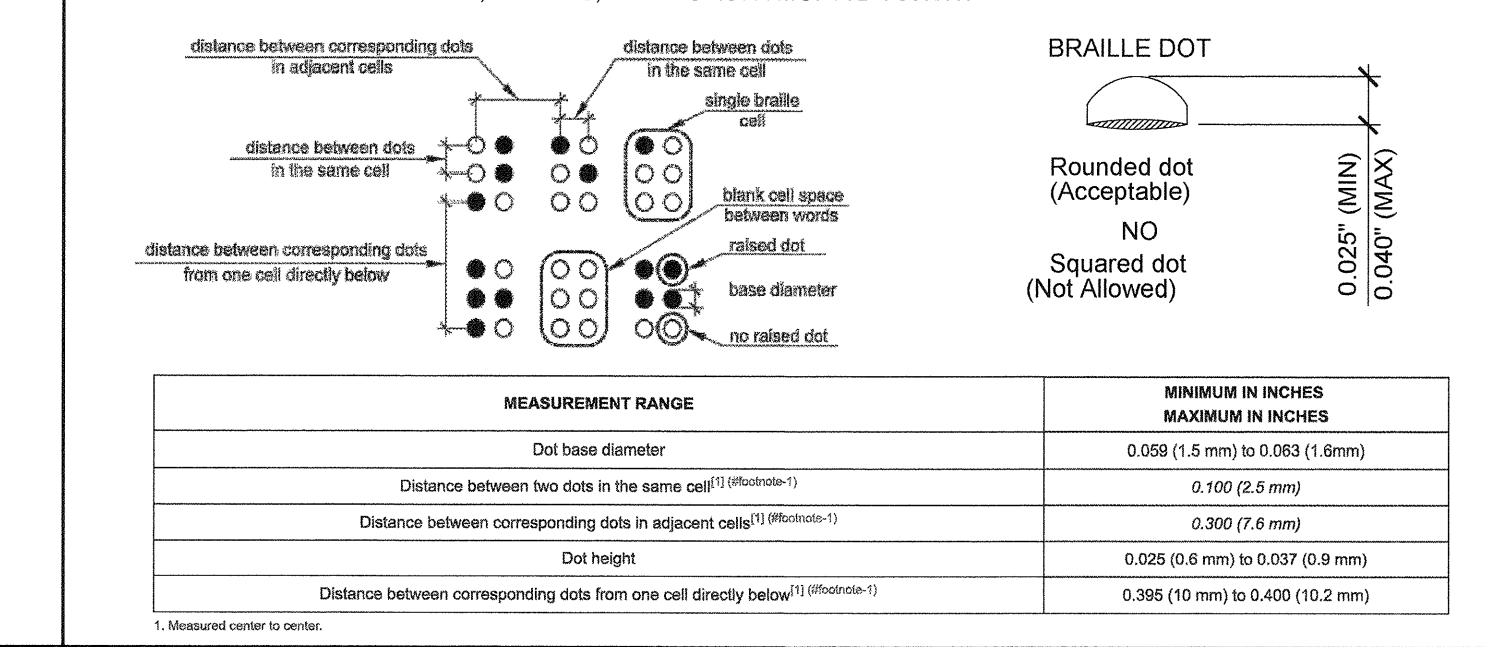
SIGNAGE TEMPLATES

SIGNAGE NOTES: 1. CHARACTER TYPE: CHARACTERS ON SIGNA SHALL BE RAISED 1/32" (0.794 mm) MINIMUM ABOVE THEIR BACKGROUND AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.

- 2. CHARACTER HEIGHT: CHARACTER HEIGHT MEASURED VERTICALLY FROM THE BASELINE OF THE UPPERCASE LETTER 'O'.
3. FINISH AND CONTRAST: SYMBOLS OF ACCESSIBILITY AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH.
4. PROPORTIONS: VISUAL CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER 'O' IS 80% MIN AND 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER 'I'.



- 5. CHARACTER SPACING: CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE.
6. LINE SPACING: SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE SHALL BE 135% (MIN) AND 170% (MAX) OF THE RAISED CHARACTER HEIGHT.
7. BRAILLE: BRAILLE SHALL BE CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 AND 11B-703.4.

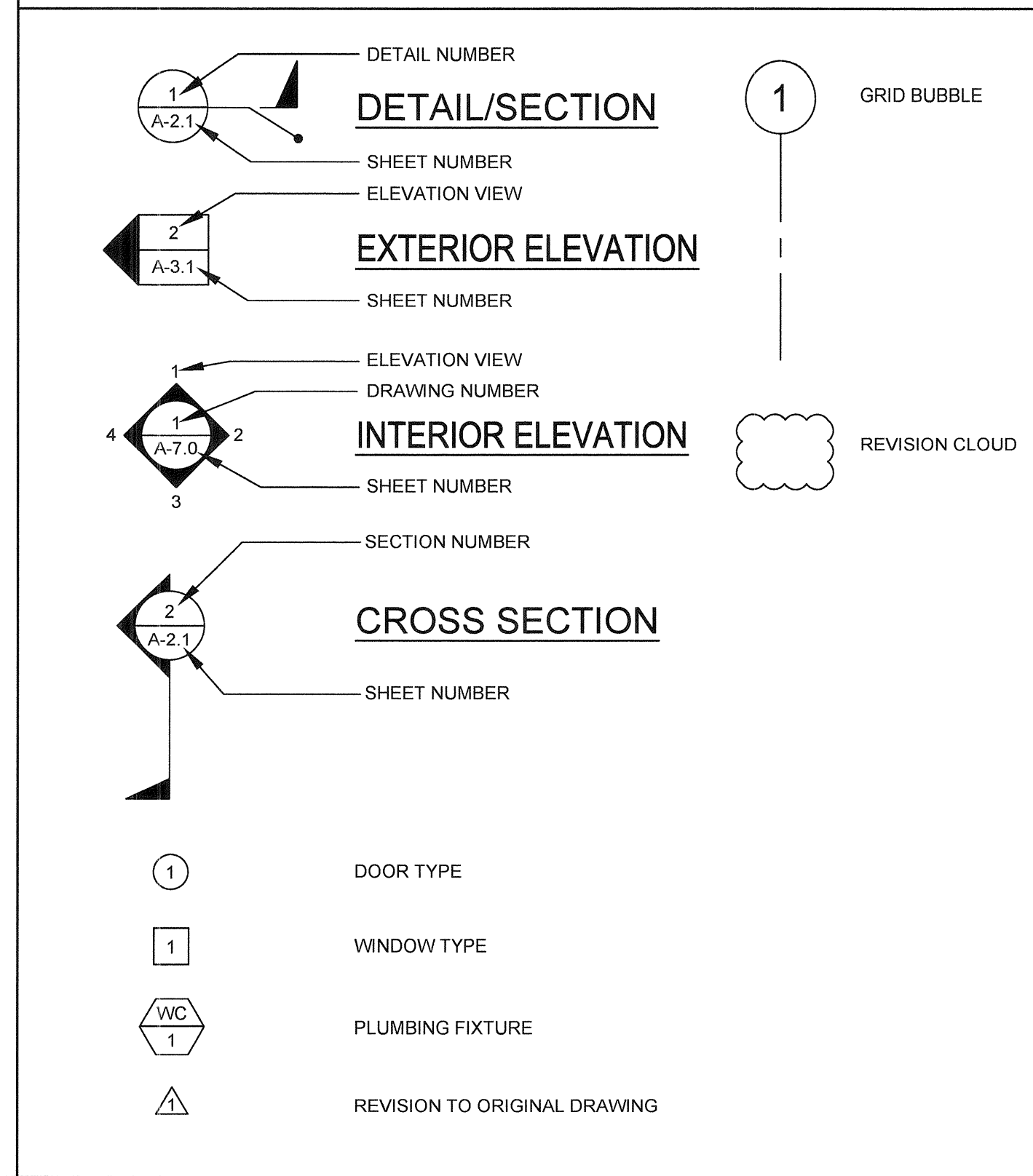


NOTE: SIGN MATERIAL TO BE 1/8" THK. E. S. PLASTIC W/1/32" RAISED GRAPHICS AND LETTERS. PROVIDE MECHANICAL MOUNTING W/ VANDAL RESISTANT FASTENERS.

ROOM IDENTIFICATION ROOM SIGNAGE (BY DISTRICT)

FOR SITE SPECIFIC LOCATIONS ARCHITECT TO PROVIDE BUILDING / ROOM IDENTIFICATION SIGNS. DETAILS AND LOCATIONS OF SIGNAGE TO BE INDICATED.

SYMBOLS LEGEND



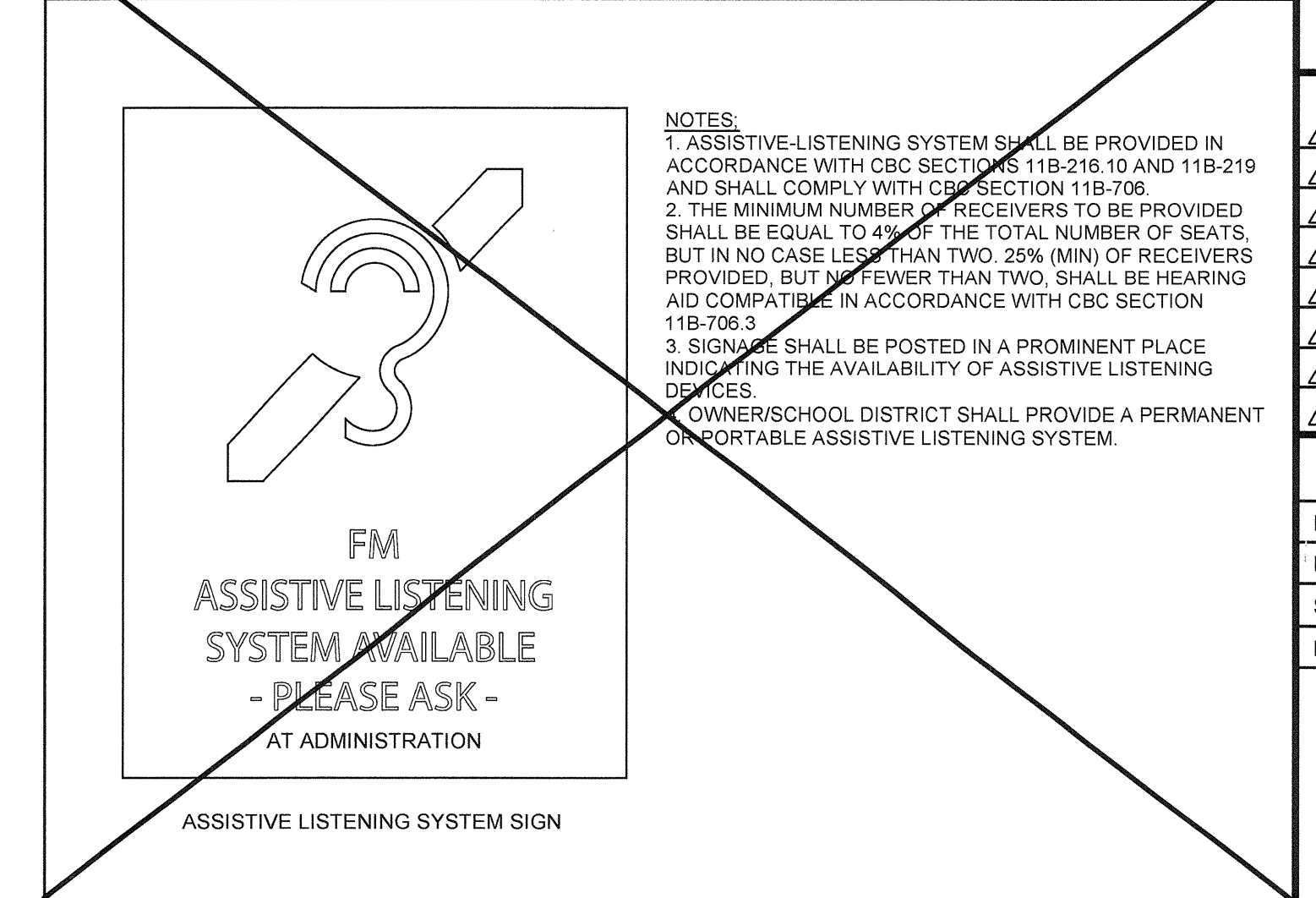
ABBREVIATIONS

Table of abbreviations for materials and construction elements, such as ABS (Anchor Bolt), FIN (Finish), PL (Plate), and others.

SPECIFICATIONS

- DIVISION 5 - METALS: ALL WELDED JOINTS AND SURFACES SHALL BE GROUNDED SMOOTH, NO SHARP OR ABRASIVE CORNERS.
DIVISION 6 - WOOD AND PLASTICS: ALL CABINET AND DRAWERS WILL HAVE U-SHAPED WIRE PULLS.
DIVISION 9 - FINISHES: CEILING INSTALLATION SHALL BE PER THE NOTES PROVIDED ON THIS SHEET.
DIVISION 10 - SPECIALTIES: ALL TOILET ACCESSORIES SHALL BE INSTALLED AT THE HEIGHT AND CLEARANCES SHOWN ON SHEET P-1.01.
DIVISION 22 - PLUMBING: FAUCETS SHALL BE LEVER OPERATED (4" MIN BLADE) OR SHALL BE PUSH TYPE OR AUTOMATIC ELECTRONICALLY CONTROLLED.

ASSISTIVE LISTENING SYSTEM



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LIBERTY UHSD LIBERTY HIGH SCHOOL (1) 12' x 40' TOILET BLDG

SYMBOLS LEGEND, ABBREVIATIONS & ADA SIGNAGE



ARCHITECT OF RECORD SUBMISSION DATE
PROJECT SPECIFIC STATE AGENCY APPROVAL

Table for identification stamp with fields for file number, division, and date.

Table for revisions and sheet information, including project name, scale, date, and sheet number A-0.1.

WINDOW SCHEDULE

WINDOW NO.	QTY	TYPE	WIDTH	HEIGHT	FUNCTION	FRAME MATERIAL	GLASS MATERIAL	WALL THICKNESS	NOTES
A	1	8'-0"	4'-0"	XOX	ANOD	BP			
B	2	8'-0"	4'-0"	FIXED	FRW	FRG		46 MINUTE ASSEMBLY	

WINDOW FINISH

ANOD: CLEAR ANODIZED ALUMINUM FRAME DP: 3/16" MINIMUM DUAL PANE TEMPERED GLASS OF SOLAR GRAY - 3/16" ENERGY FILLED, ALL OPERABLE SASH SHALL HAVE SIGHT GLASS (U-FACTOR = .510 MAX, VT = 0.500 MIN., W-FACTOR = .350 MAX, STC = 36 MIN.)

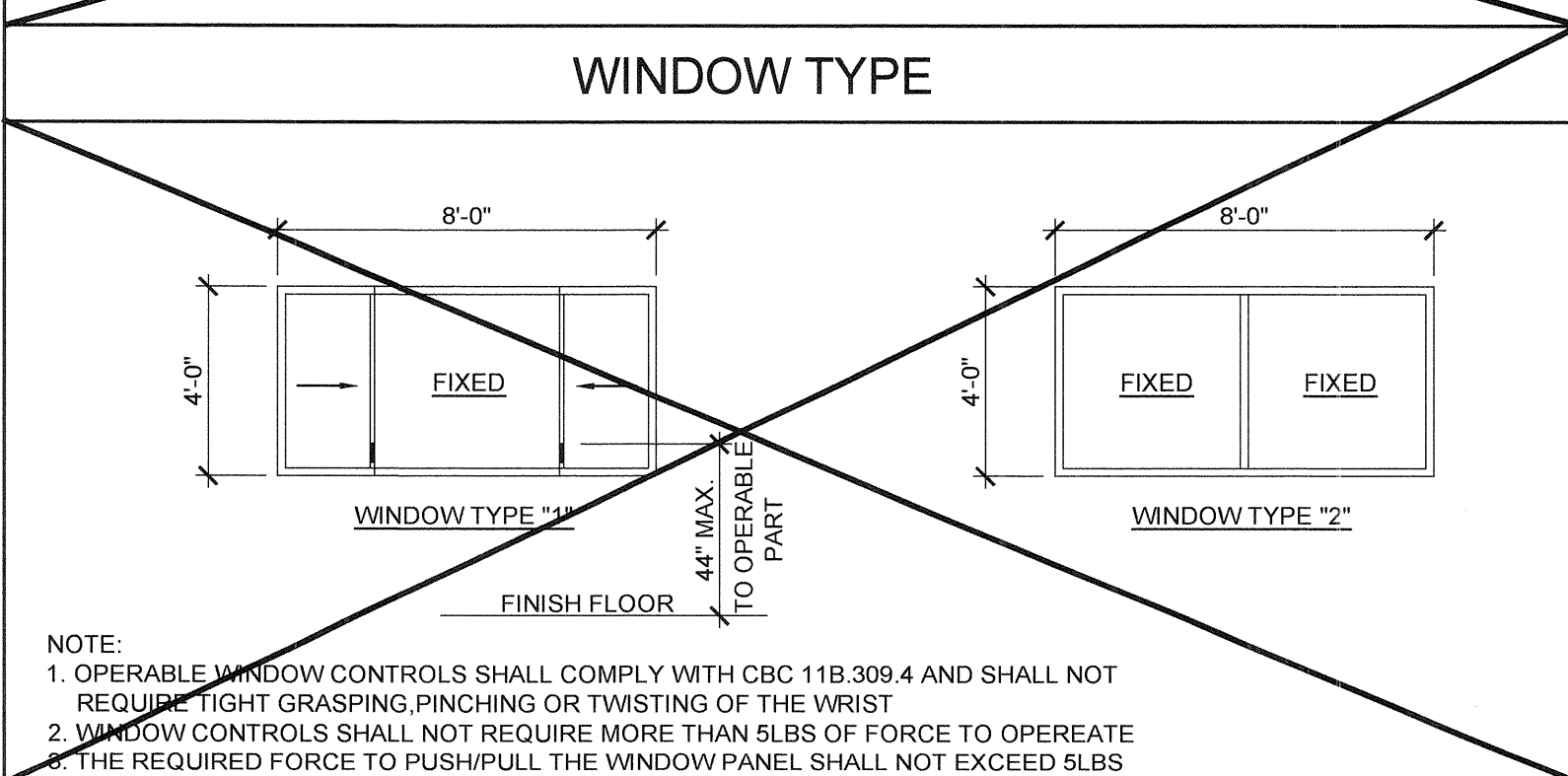
BRONZ: BRONZE ANODIZED ALUMINUM FRAME

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



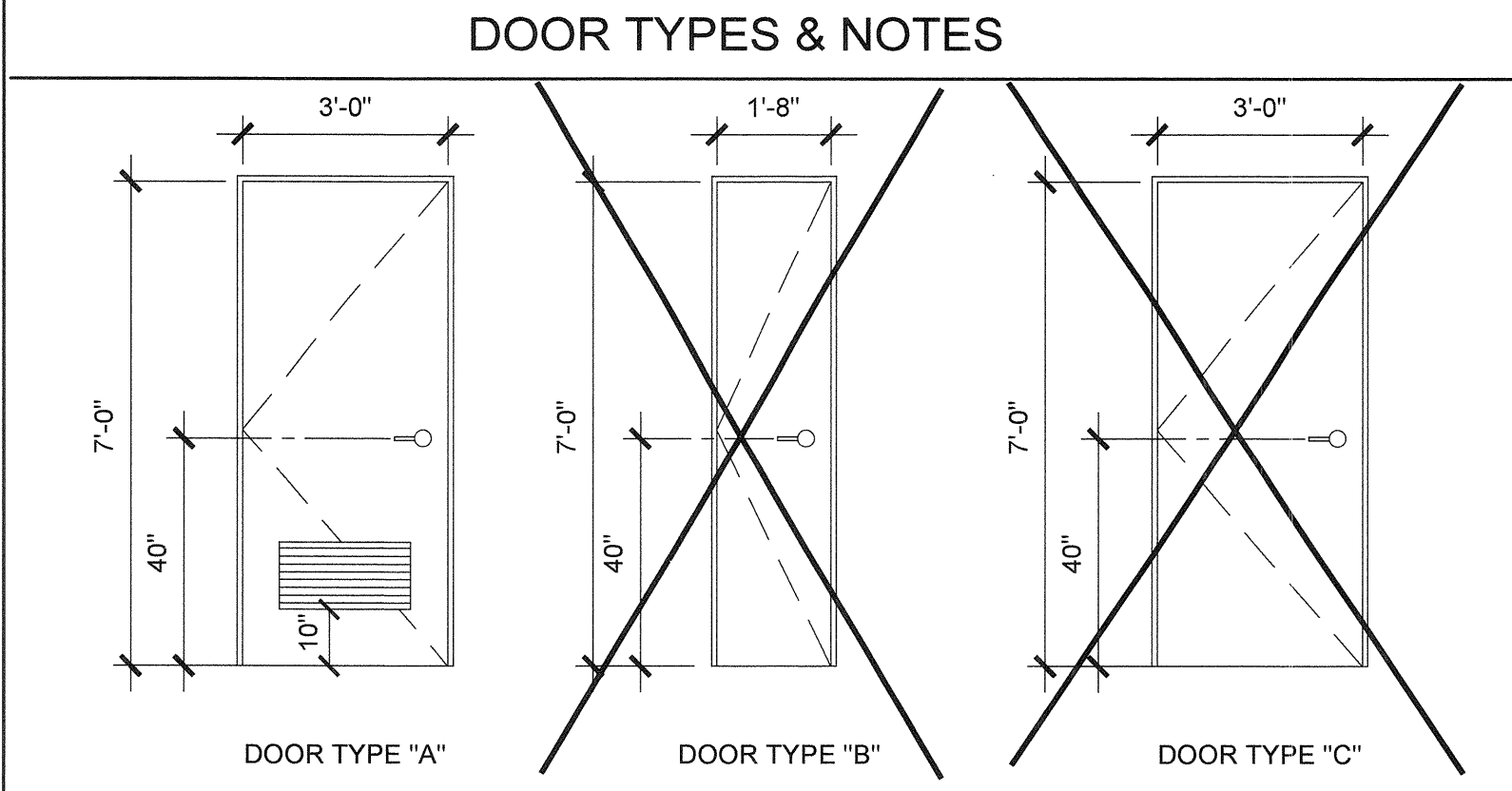
DOOR SCHEDULE

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	4 7/8"	
2	3'-0"	7'-0"	A		HM	KD	HW-2	4 7/8"	NO CLOSER
3	1'-8"	7'-0"	B		HM	KD	HW-3	4 1/8"	
4	3'-0"	7'-0"	C		HM	KD	HW-4	5 1/4"	

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	
GIRLS 101	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	ARMSTRONG #2910
BOYS 102	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	ARMSTRONG #2910
STAFF 103	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	ARMSTRONG #2910
STAFF 104	SV	SC	FRP	FRP	FRP	FRP	CP	8'-0"	
WORKROOM 105	CARP	4" TS	TACK	TACK	TACK	TACK	CP	8'-6"	
PLUMBING CHASE	---	---	---	---	---	---	---	---	

FLOOR, WALL, CEILING MATERIALS

FLOORING
 CARP: CARPET PER STATE OF CALIFORNIA SPECIFICATIONS COMPLYING WITH GROUP 1; TYPE "A" OR TYPE "B"; CLASS 2; DENSITY 4800; 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
 CP: ACOUSTICAL LAY IN GRID CEILING PANELS (SEE SPECIFICATION NOTES ON REFLECTED CEILING PLAN)
 HC: 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 / UNCURT PILE TEXTURE AND MAXIMUM PILE HEIGHT OF 1/2" PER THE 2016 CBC. CARPET EDGED SHALL COMPLY WITH THE 2016 CBC

DOOR HARDWARE

BOYS & GIRLS RESTROOM -		EXTERIOR DOOR HW-1	
LOCKSET	SCHLAGE ND70PDRH0626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
CLOSER	NORTON 8501 BFDA (OPTIONAL)	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
LOUVER	ANEMO 24 x 12	Finish Bronze	or equal

STAFF RESTROOM -		EXTERIOR DOOR HW-2	
LOCKSET	SCHLAGE ND85PDRH0626 (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

CHASE EXTERIOR DOOR -		EXTERIOR DOOR HW-3	
LOCKSET	SCHLAGE ND70PDRH0626 (cylindrical)	Finish 26D	or equal
BUTTS	HAGER BB1191 4 1/2" x 4 1/2" NRP	Finish 26D	or equal
THRESHOLD	HAGER 413SA 36	Finish Alum	or equal
DOOR BOTTOM	HAGER 783SAV 35N	Finish Alum	or equal

WORKROOM -		EXTERIOR DOOR HW-4	
LOCKSET	SCHLAGE ND75PDRH0626 (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

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, CERTAINITIES, 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

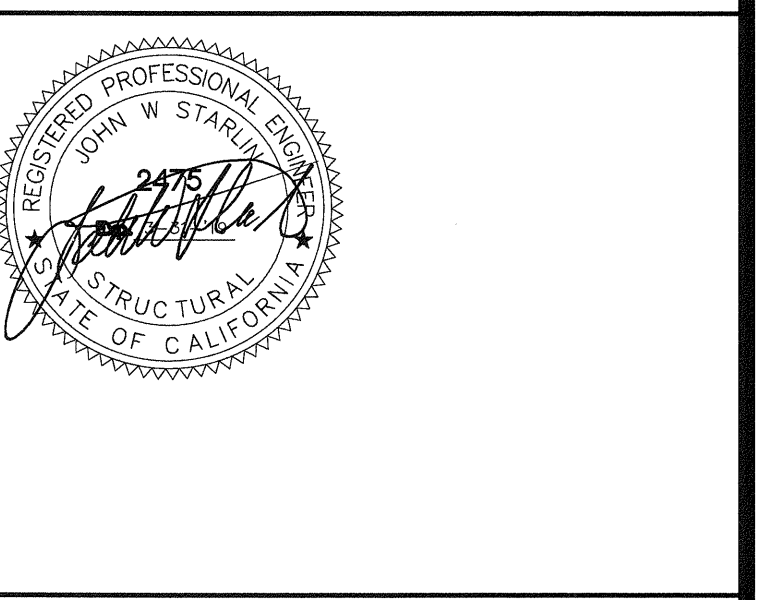
STEEL STUD EXTERIOR WALL
 R-13 (2X4) W/ R-4 CONT. RIGID INSULATION

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

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

PROJECT NAME:
**LIBERTY UHSD
 LIBERTY HIGH SCHOOL
 (1) 12' x 40' TOILET BLDG**

SHEET TITLE:
SCHEDULES



ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	FILE NUMBER: 33 SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
	04 - 116720 INCR: 0
	AC_RM_FLS_DS_SSR_KER DATE: 08/22/2018

REVISIONS

NO.	DATE	DESCRIPTION

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO: 11183
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 10-12-2017

P.C. SHEET NUMBER
A-0.2

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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:

ENERGY CALC'S PRF FORMS ZONE 14 WORST CASE



ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FS_DS_SSR KER
DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017
P.C. SHEET NUMBER

A-0.5B

Project Name: 04-116720-1240-WD-FR-WALL-INVC-C2-14
Project Address: WORT CASE - C2-14
Calculation Date/Time: 15:36, Mon, Jul 23, 2018
Input File Name: 1240-WD-FR-WALL-INVC.cdb16

A. SOLAR HOT WATER HEATING SUMMARY (Adapted from NRC-11-01)

Test Description	Pass	Fail
1. Equipment Selection	<input type="checkbox"/>	<input type="checkbox"/>
2. Collector Area	<input type="checkbox"/>	<input type="checkbox"/>
3. Storage Tank	<input type="checkbox"/>	<input type="checkbox"/>
4. Heat Exchanger	<input type="checkbox"/>	<input type="checkbox"/>
5. Controls	<input type="checkbox"/>	<input type="checkbox"/>
6. Installation	<input type="checkbox"/>	<input type="checkbox"/>
7. Maintenance	<input type="checkbox"/>	<input type="checkbox"/>
8. System Performance	<input type="checkbox"/>	<input type="checkbox"/>
9. Safety	<input type="checkbox"/>	<input type="checkbox"/>
10. Other	<input type="checkbox"/>	<input type="checkbox"/>

A. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRC-11-01-02)

Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

B. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRC-11-01-03)

Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRC-11-01-04 & NRC-11-01-05)

Test Description	Pass	Fail
1. Equipment Selection	<input type="checkbox"/>	<input type="checkbox"/>
2. Collector Area	<input type="checkbox"/>	<input type="checkbox"/>
3. Storage Tank	<input type="checkbox"/>	<input type="checkbox"/>
4. Heat Exchanger	<input type="checkbox"/>	<input type="checkbox"/>
5. Controls	<input type="checkbox"/>	<input type="checkbox"/>
6. Installation	<input type="checkbox"/>	<input type="checkbox"/>
7. Maintenance	<input type="checkbox"/>	<input type="checkbox"/>
8. System Performance	<input type="checkbox"/>	<input type="checkbox"/>
9. Safety	<input type="checkbox"/>	<input type="checkbox"/>
10. Other	<input type="checkbox"/>	<input type="checkbox"/>

H. INDOOR & OUTDOOR LIGHTING ACCEPTANCE TESTS & FORMS (Adapted from NRC-11-01-04 & NRC-11-01-05)

Test Description	Pass	Fail
1. Equipment Selection	<input type="checkbox"/>	<input type="checkbox"/>
2. Collector Area	<input type="checkbox"/>	<input type="checkbox"/>
3. Storage Tank	<input type="checkbox"/>	<input type="checkbox"/>
4. Heat Exchanger	<input type="checkbox"/>	<input type="checkbox"/>
5. Controls	<input type="checkbox"/>	<input type="checkbox"/>
6. Installation	<input type="checkbox"/>	<input type="checkbox"/>
7. Maintenance	<input type="checkbox"/>	<input type="checkbox"/>
8. System Performance	<input type="checkbox"/>	<input type="checkbox"/>
9. Safety	<input type="checkbox"/>	<input type="checkbox"/>
10. Other	<input type="checkbox"/>	<input type="checkbox"/>

I. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRC-11-01-02)

Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

I. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRC-11-01-02)

Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

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Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

I. INDOOR CONDITIONED LIGHTING CONTROL CREDITS (Adapted from NRC-11-01-02)

Location in Building	Occupancy Type	Control Type	Control Description	Control Category	Control Credits	Control Credits Available	Control Credits Used	Control Credits Remaining	Pass	Fail
Space 1	Classrooms, Lectern, Training, Visual/Audio Area	None specified			0.00	0	0	0	<input type="checkbox"/>	<input type="checkbox"/>

Table with 9 columns: Luminaire Schedule, Installed Watts, Location, Cutoff, Field Inspector. Includes a table for 'I. Outdoor Lighting Schedule and Field Inspection Energy Checklist' with rows for LED Wallpack and Entry Door.

Documentation Author's Declaration Statement, Responsible Person's Declaration Statement, and Designer Information for Ryan E McIntosh and John W Starlin.

General Information, Lighting Compliance Documents, Summary of Allowed Outdoor Lighting Power, Declaration of Required Installation Certificates, Declaration of Required Certificates of Acceptance, and Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements.

Schedule of Luminaires Exempt from the Cutoff Requirements in §130.2(b) and Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c).

Voltage Drop, Circuit Controls for 120-Volt Receptacles and Controlled Receptacles, and Declaration of Required Installation Certificates.

Documentation Author's Declaration Statement, Responsible Person's Declaration Statement, and Designer Information for Ryan E McIntosh and John W Starlin.

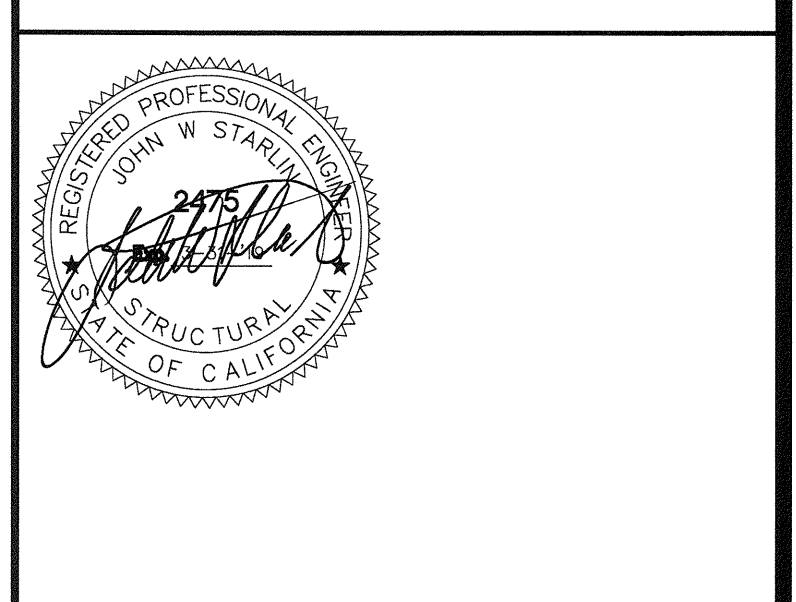
General Information, Service Electrical Metering, and Electrical Service Schedule table.

B. Separation of Electrical Circuits for Electrical Energy Monitoring and Electrical Power Distribution System Information table.

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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

LIBERTY UHSD LIBERTY HIGH SCHOOL (1) 12' x 40' TOILET BLDG CERTIFICATE OF COMPLIANCE FORMS



ARCHITECT OF RECORD SUBMISSION DATE

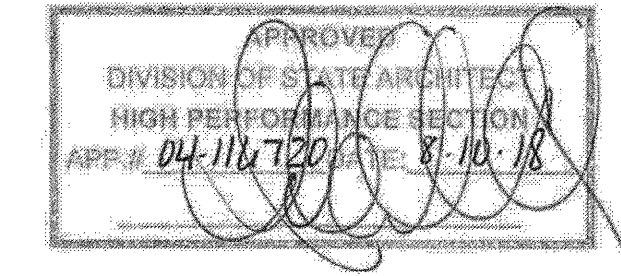
PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL stamp with identification stamp and date 08/22/2018.

REVISIONS table with columns for revision number and description.

PROJECT NO: 11183 DRAWN BY: SCALE: AS NOTED DATE: 10-12-2017 P.C. SHEET NUMBER

A-0.6A



STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
 CEENRCC-LTO-02-E (Revised 09/16) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTO-02-E
 Outdoor Lighting Controls
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM Date Prepared: 9.30.17 (Page 1 of 3)

A. Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:

- Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.6(f).
- Part-Night Outdoor Lighting Controls, as defined in Section 130.1(b), shall meet the requirements in Section 110.9(b)(5).
- All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and Glare requirements in accordance with Section 130.2(b).
- All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control, or other control capable of automatically switching OFF in accordance with Section 130.2(c)(1).
- All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)(2).
- All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)(3).
- For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.2(c)(4).
- For Building Facade, Ornamental Hardscapes and Outdoor Dining Lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c)(5).
- Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls, shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4 (a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
 CEENRCC-LTO-02-E (Revised 09/16) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTO-02-E
 Outdoor Lighting Controls
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM Date Prepared: 9.30.17 (Page 2 of 3)

B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist

Outdoor Lighting Control Schedule	Standards Complying With (✓ all that apply, or leave empty if Exempted)										Field Inspector Test Required	Field Inspector Pass	Field Inspector Fail				
	01	02	03	04	05	06	07	08	09	10				11			
Location and Application of Luminaires Being Controlled	Type/Description of Lighting Control (i.e. outdoor motion sensor, outdoor photocontrol, outdoor astronomical time-switch control, automatic scheduling control, part-night outdoor lighting control)	# of Units	02/03/05	03/02/01	03/02/02	03/02/03	03/02/04	03/02/05	03/02/06	03/02/07	03/02/08	03/02/09	03/02/10	03/02/11			
Entry Door	Wall Pack	1															

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2016

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
 CEENRCC-LTO-02-E (Revised 09/16) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-LTO-02-E
 Outdoor Lighting Controls
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM Date Prepared: 9.30.17 (Page 3 of 3)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh Documentation Author Signature: Ryan E McIntosh
 Company: Silver Creek Signature Date: 9.30.17
 Address: CEA Certification Identification (if applicable):
 City/State/Zip: Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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).
- 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.
- 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.
- 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 Starlin Responsible Designer Signature: John W Starlin
 Company: Silver Creek Date Signed: 6.25.18
 Address: License: 2475
 City/State/Zip: Phone:

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2016

CERTIFICATE OF COMPLIANCE, OUTDOOR LIGHTING CONTROLS

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
 CEENRCC-PLB-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-PLB-01-E
 Water Heating System General Information
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM Date Prepared: 9.30.17 (Page 1 of 2)

A. GENERAL INFORMATION/SYSTEM INFORMATION

01 Water Heater System Name:	WH-1
02 Water Heater System Configuration:	
03 Water Heater System Type:	Domestic Hot Water
04 Building Type:	Nonresidential
05 Total Number of Water Heaters in Systems:	1
06 Central DHW Distribution Type:	
07 Dwelling Unit DHW Distribution Type:	

B. WATER HEATER INFORMATION

Each water heater type requires a separate compliance document.

01 Water Heater Type:	Instantaneous Small - Electric
02 Fuel Type:	Electricity
03 Manufacture Name:	ESMAX
04 Model Number:	SP 3032
05 Number of Identical Water Heaters:	1
06 Installed Water Heater System Efficiency:	.93
07 Required Minimum Efficiency:	.93
08 Standby Loss Percent or Standby Loss Total:	
09 Rated Input:	3 KW
10 Pilot Energy:	
11 Water Heater Tank Storage Volume:	
12 Exterior Insulation on Water Heater:	
13 Volume of Supplemental Storage:	
14 Internal Insulation on Supplemental Storage:	
15 Exterior Insulation on Supplemental Storage:	

C. PLUMBING COMPLIANCE FORMS & WORKSHEETS

Check box if worksheet is included.

For detailed instructions on the use of this and all Energy Standards compliance documents, refer to the 2016 Nonresidential Manual Note: The Enforcement Agency may require all compliance documents to be incorporated onto the building plans.

YES	NO	Doc/Worksheet #	Title
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-PLB-01-E	Certificate of Compliance, Declaration. Required on plans for all submittals.
<input type="checkbox"/>	<input type="checkbox"/>	NRCI-PLB-01-E	Certificate of Installation. Required on plans for all submittals.
<input type="checkbox"/>	<input type="checkbox"/>	NRCI-PLB-02-E	Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input type="checkbox"/>	NRCI-PLB-03-E	Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input type="checkbox"/>	NRCI-PLB-21-H	Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input type="checkbox"/>	NRCI-PLB-22-H	Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input type="checkbox"/>	NRCI-STH-01-E	Certificate of Installation, required on any solar water heating.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
 CEENRCC-PLB-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE NRCC-PLB-01-E
 Water Heating System General Information
 Project Name: SILVER CREEK PC - TYPICAL CLASSROOM Date Prepared: 9.30.17 (Page 2 of 2)

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan McIntosh Documentation Author Signature: Ryan E McIntosh
 Company: Silver Creek Signature Date: 9.30.17
 Address: CEA/HERS Certification Identification (if applicable):
 City/State/Zip: Phone:

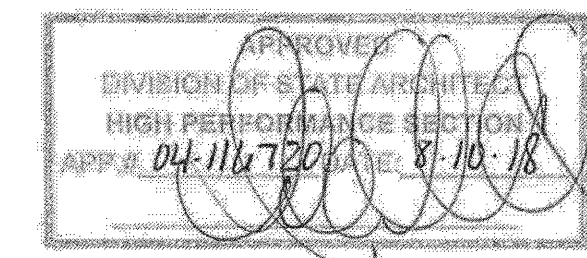
RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 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).
- 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.
- 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.
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Responsible Designer Name: John Starlin Responsible Designer Signature: John W Starlin
 Company: Silver Creek Date Signed: 6.25.18
 Address: License: 2475
 City/State/Zip: Phone:

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016



CERTIFICATE OF COMPLIANCE, WATER HEATER SYSTEM

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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.



Building for the Next Generation

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

PROJECT NAME:

LIBERTY UHSD
 LIBERTY HIGH SCHOOL
 (1) 12' x 40' TOILET BLDG

SHEET TITLE:

CERTIFICATE OF COMPLIANCE FORMS



ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 13-SILVER
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116720 INCR: 0
 AC_RM_FLS_DS_SSR_KER
 DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO: 11183

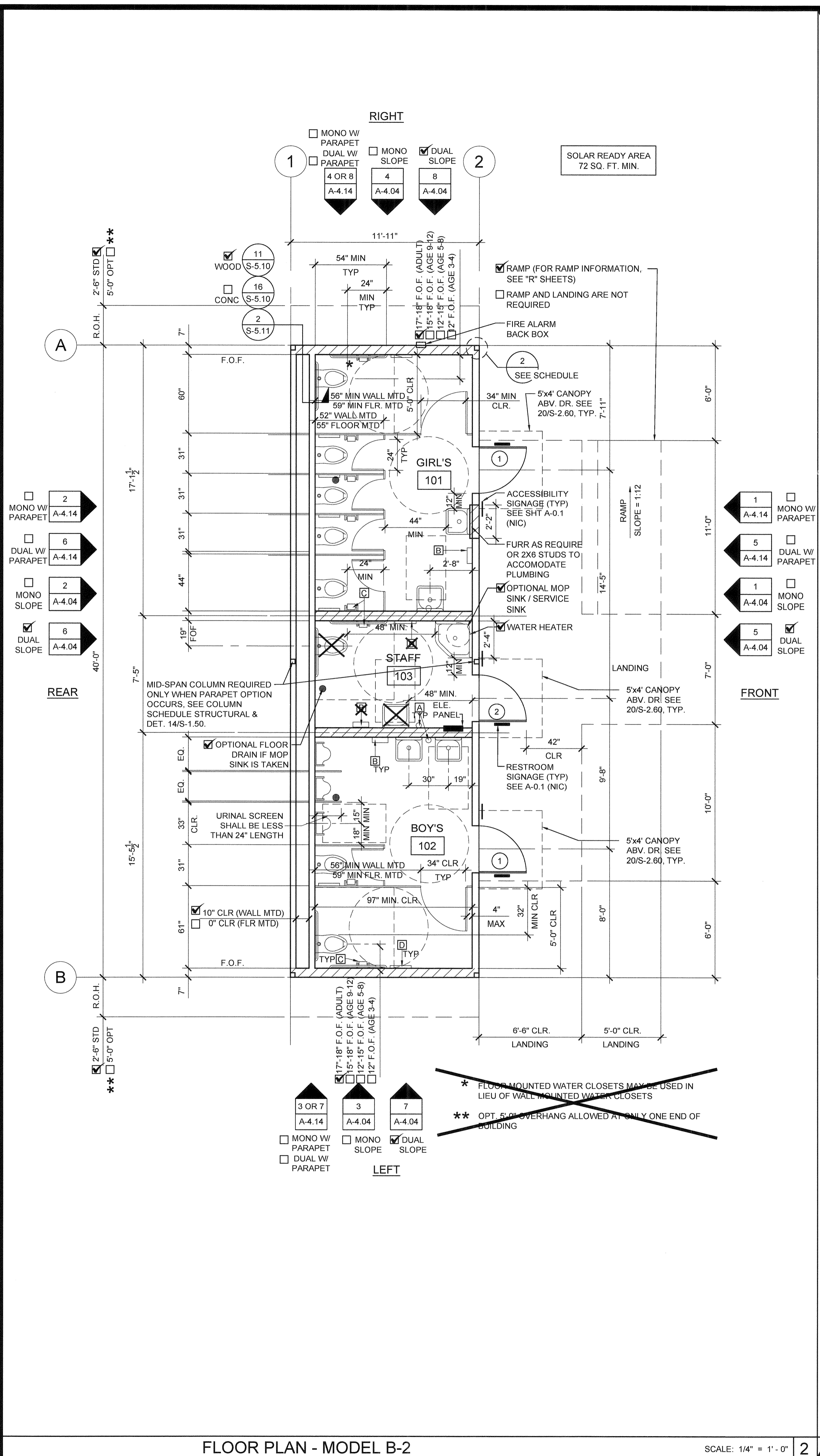
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SCALE: AS NOTED

DATE: 10-12-2017

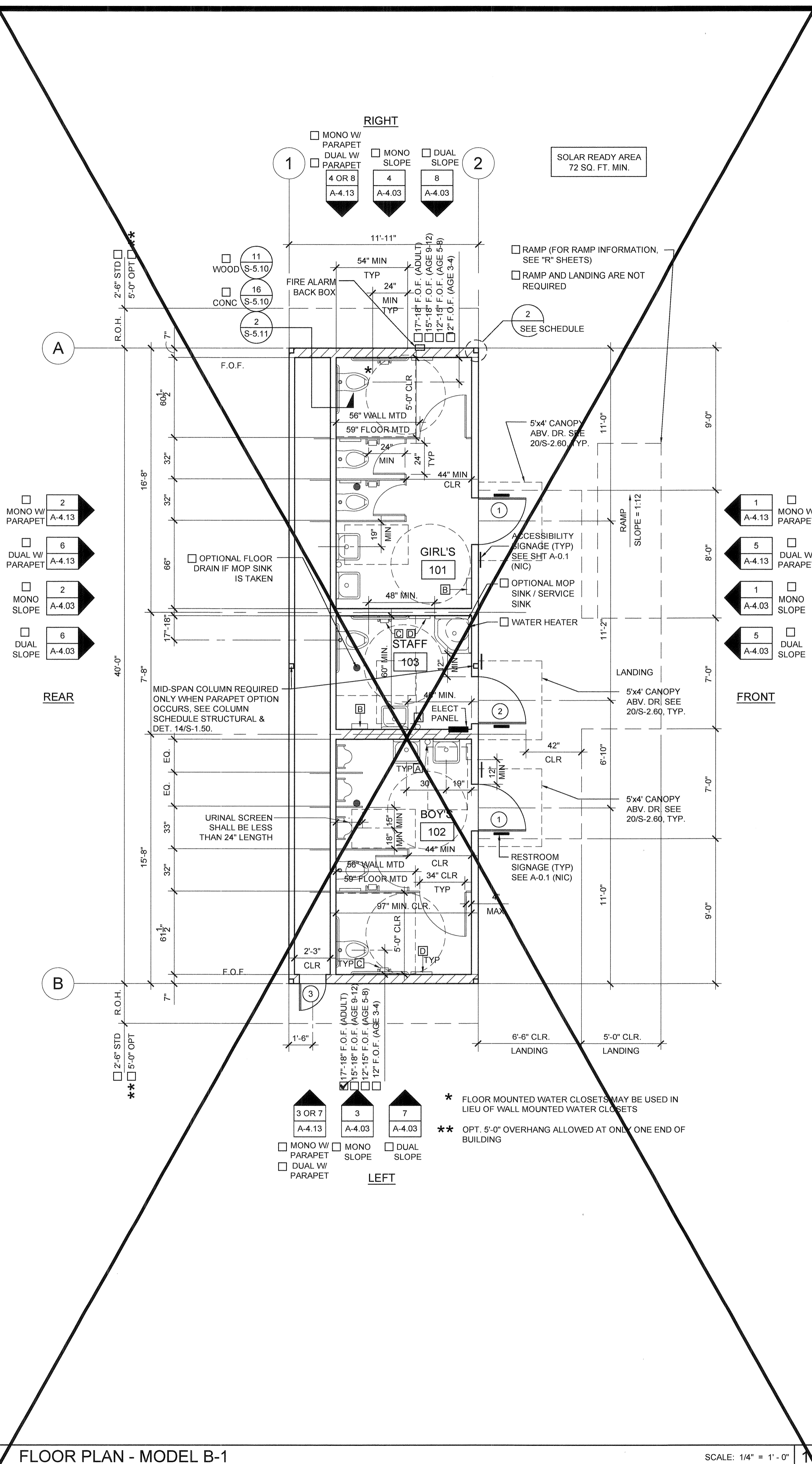
P.C. SHEET NUMBER

A-0.6B



FLOOR PLAN - MODEL B-2

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



FLOOR PLAN - MODEL B-1

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

NOTES

- PLACE (2) PERMANENT METAL IDENTIFICATION LABELS ON EACH MODULE. PER IR 16-1.13 (2.1) (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 (MODEL 'E' ONLY)
- (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 checked="" 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 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
- NOMINAL 6" WALL STUD
- NOMINAL 8" WALL STUD

- A** 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

TOILET ACCESSORIES

- A** SOAP DISPENSER: LIQUID SOAP DISPENSER 4" MAX PROJECTION
 - B** PAPER TOWEL DISPENSER/TRASH BIN COMBO: SURFACE MOUNTED SHALL BE MOUNTED SUCH THAT THE BOTTOM OF THE ACCESSORY IS NOT MORE THAN 27" AFF. 5" MAX. PROJECTION-CANNOT ENROACH INTO 30"x48" CLEAR SPACE OF FIXTURE
 - C** TOILET PAPER HOLDER: SINGLE ROLL SEMI-RECESSED OR 3" MAX PROJECTION
 - D** TOILET SEAT DISPENSER: SURFACE MOUNTED
- ACCESSORY NOTE:
TOILET ACCESSORIES (NIC) SEE SHEET P-2.01 FOR ACCESSIBLE ELEVATION & DIMENSIONS.

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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.



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

PROJECT NAME:

LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG

SHEET TITLE:

FLOOR PLAN
12'x40' - MODEL B-1
12'x40' - MODEL B-2



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT FOR CONSTRUCTION IS REQUIRED	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116720 INCR: 0
	AC_RM_FLS_DS_SSR_KER
	DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO:	11183
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017

P.C. SHEET NUMBER

A-1.02

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SILVER CREEK INDUSTRIES, INC.



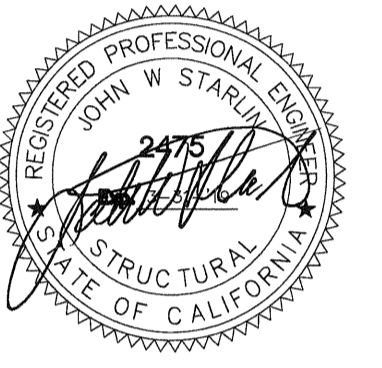
Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG

SHEET TITLE:

REFLECTED CEILING PLAN
12'x40' MODEL B-1 OR B-2



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (NO DOCUMENT RECORD FOR CONSTRUCTION IS REQUIRED)	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116720 INCR: 0
	AC_RM_FLN_DS_SSR_KER
	DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183

DRAWN BY:

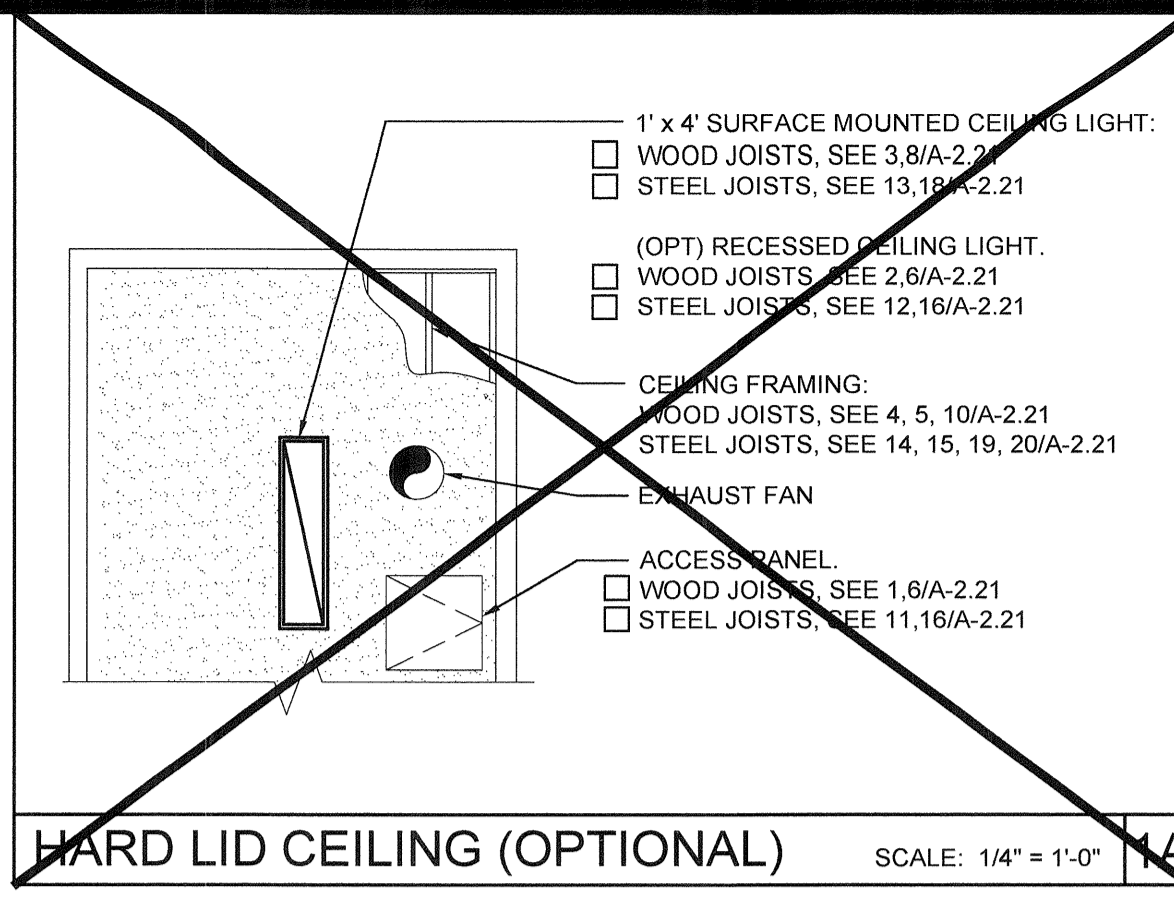
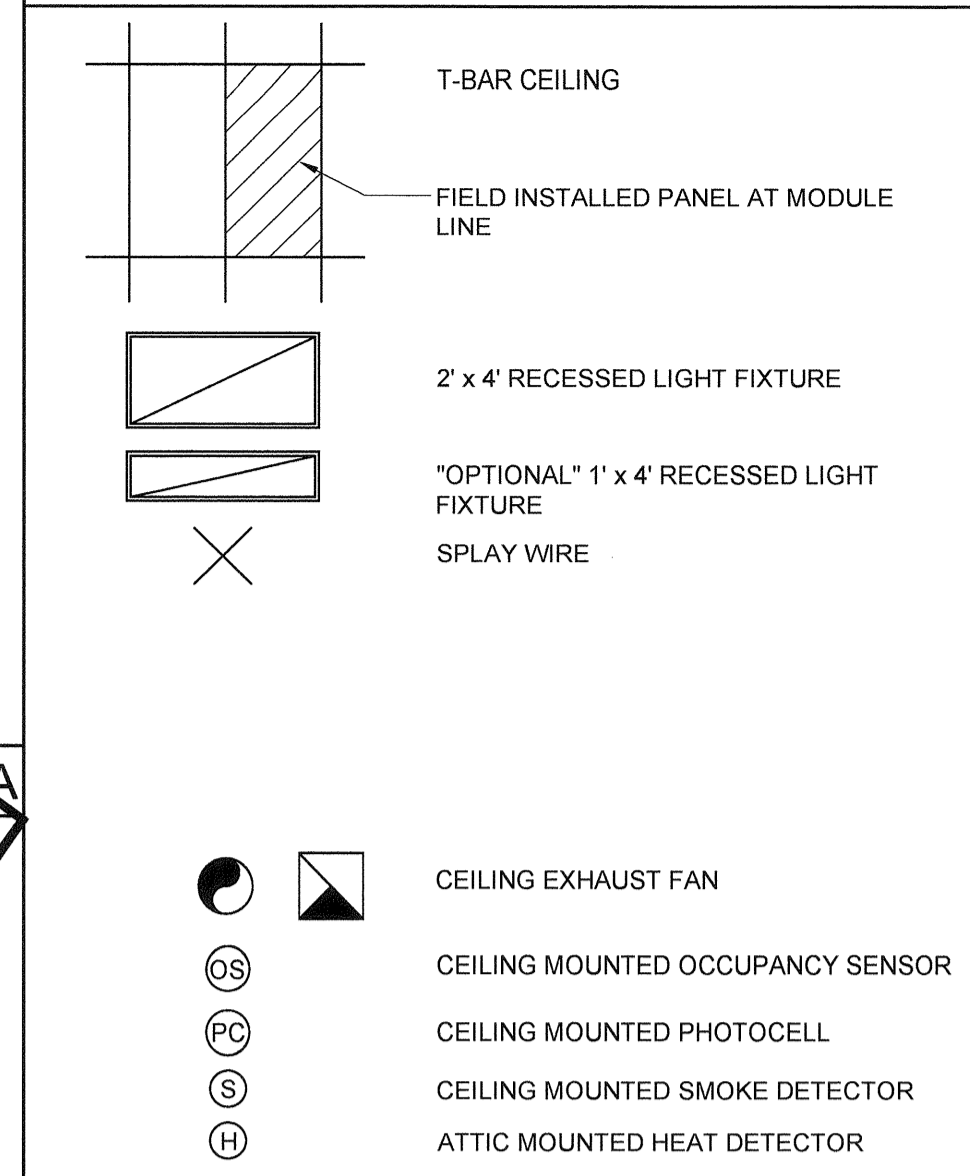
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DATE: 10-12-2017

P.C. SHEET NUMBER

A-2.02

LEGEND

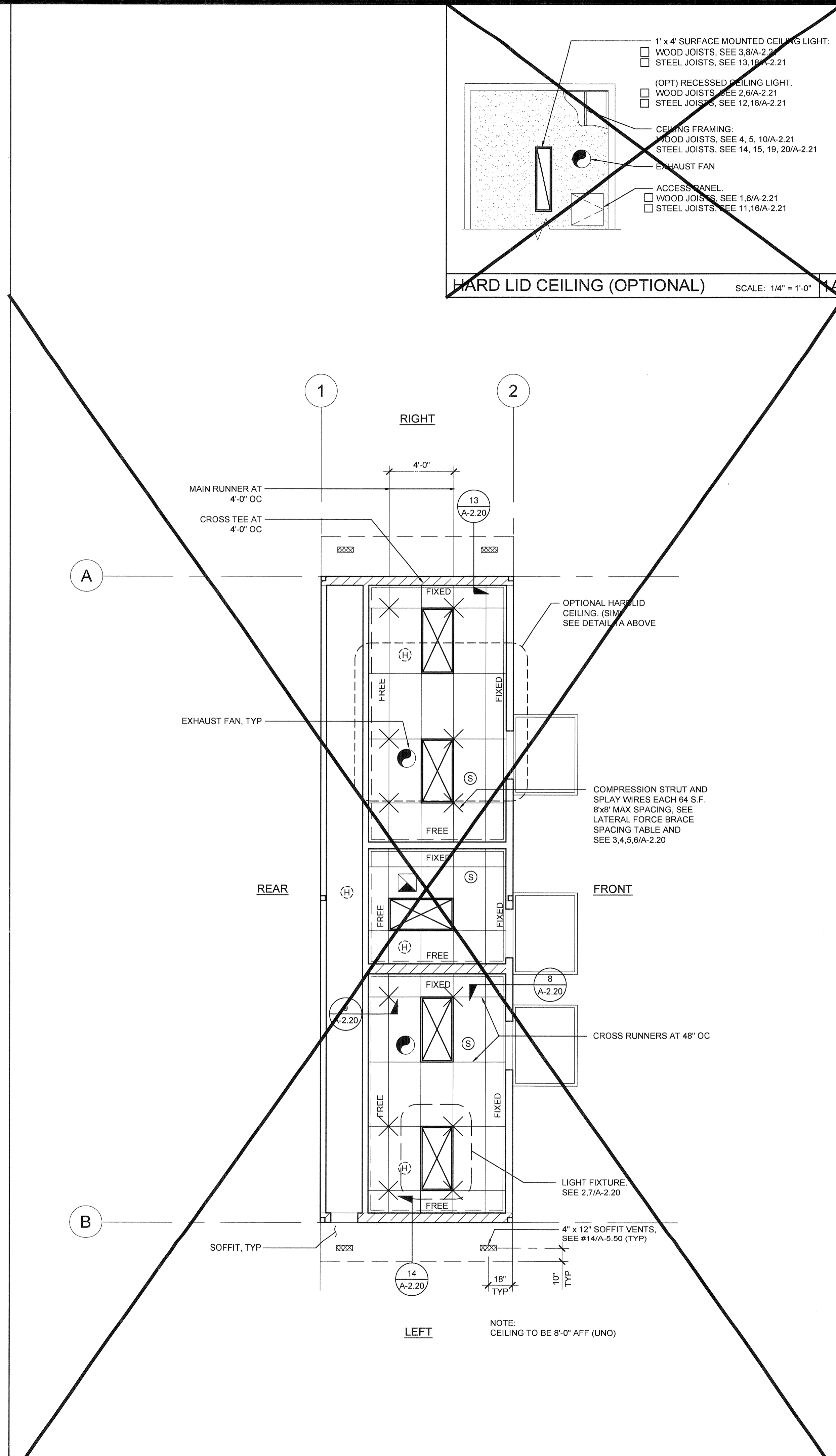


NOTE:
FOR ALL REFLECTED CEILING NOTES
SEE SHEET A-0.1

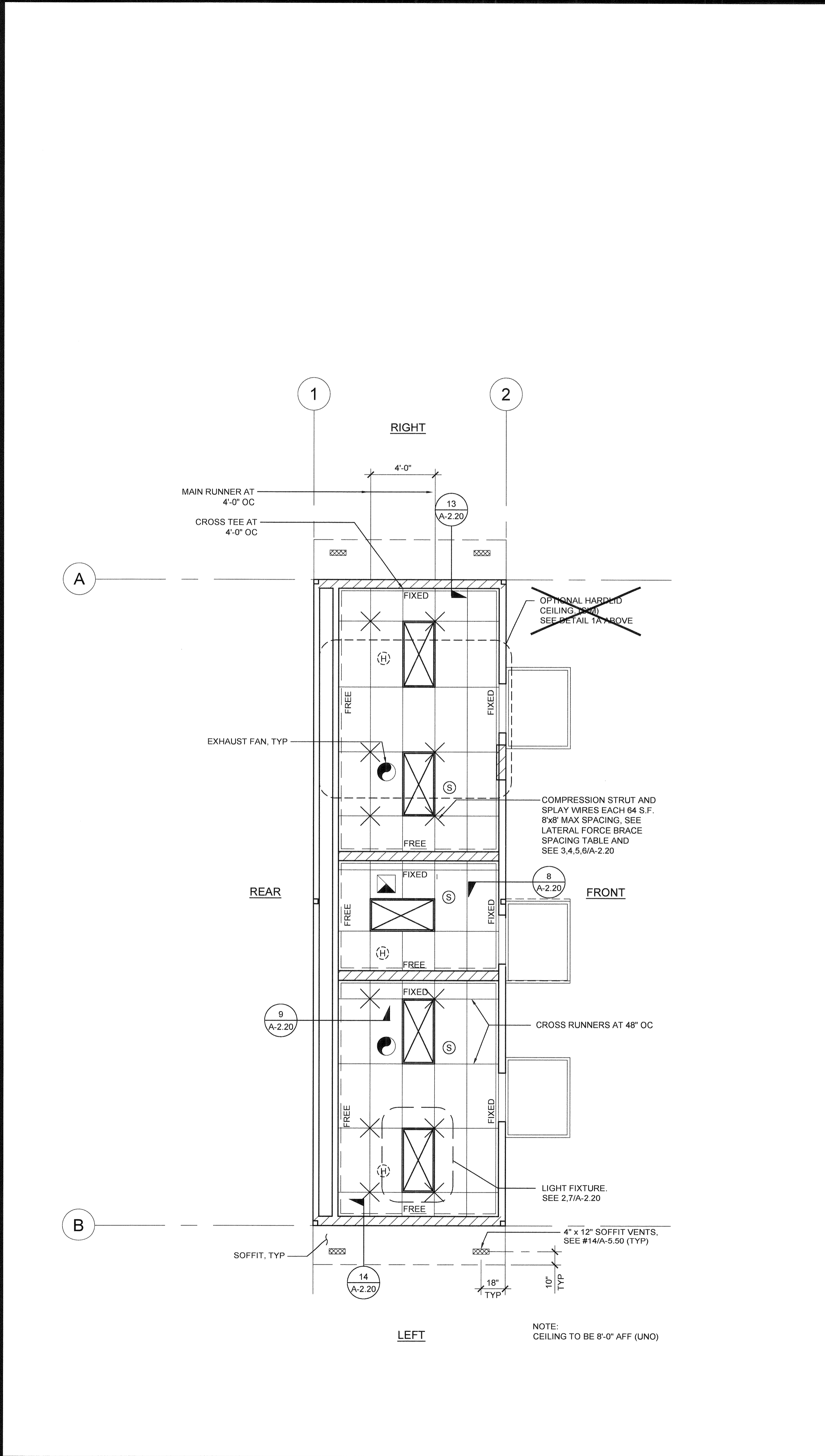
T-BAR SCHEDULE

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)



REFLECTED CEILING PLAN - MODEL B-1 SCALE: 1/4" = 1'-0"



REFLECTED CEILING PLAN - MODEL B-2 SCALE: 1/4" = 1'-0"

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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:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

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



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

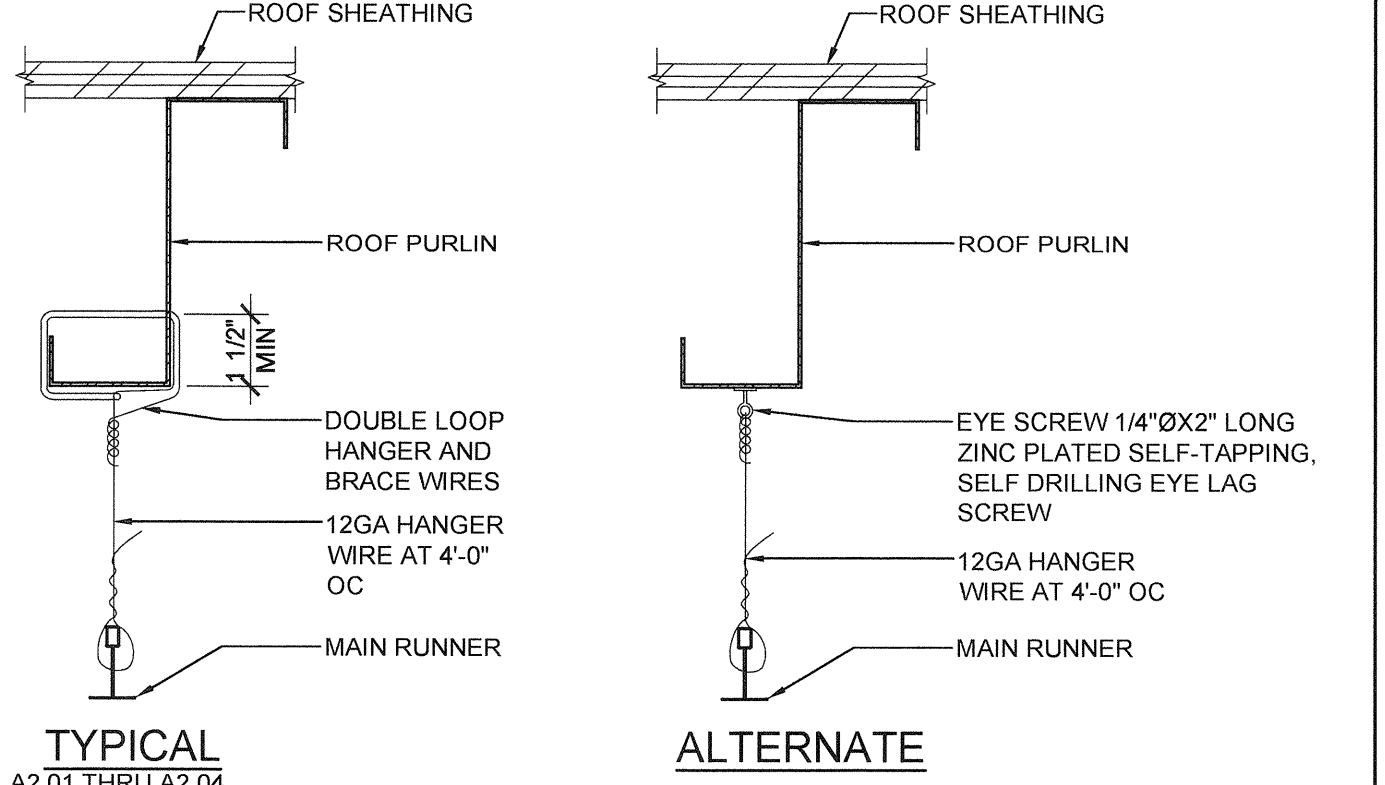
PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116720 INCR: 0
	AC_RM_FLS_DS_SSR_KER
	DATE: 08/22/2018

REVISIONS

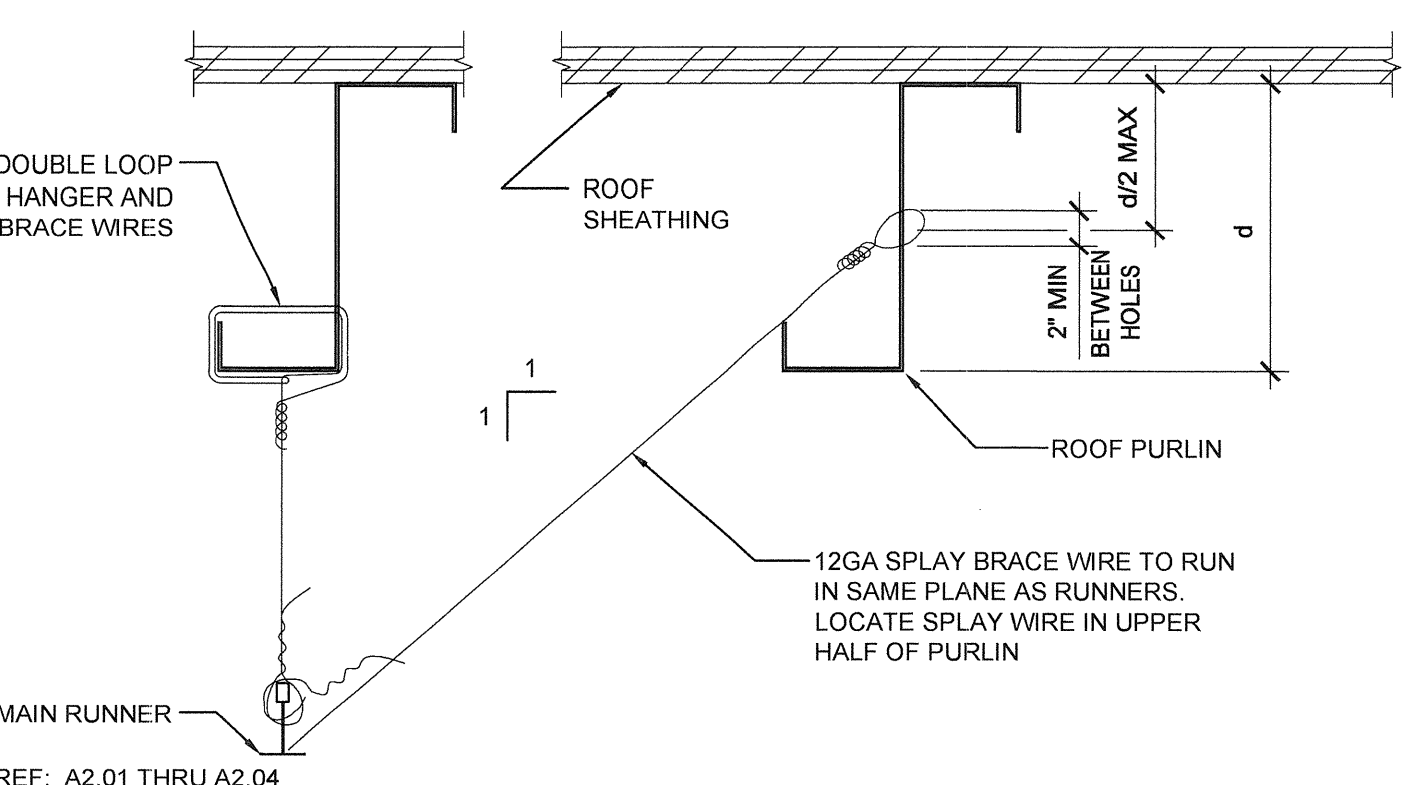
SILVER CREEK INDUSTRIES
12' x 40' PC
PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

P.C. SHEET NUMBER

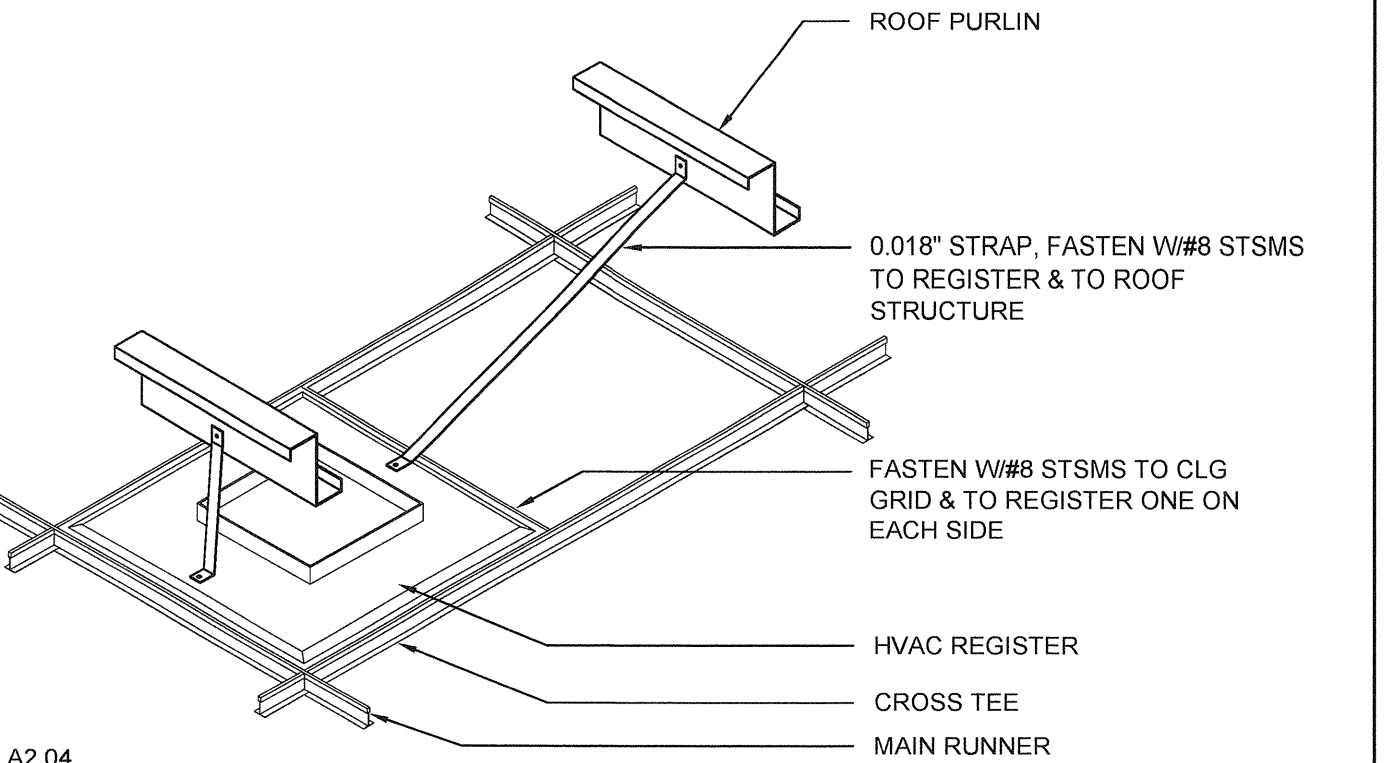
A-2.20



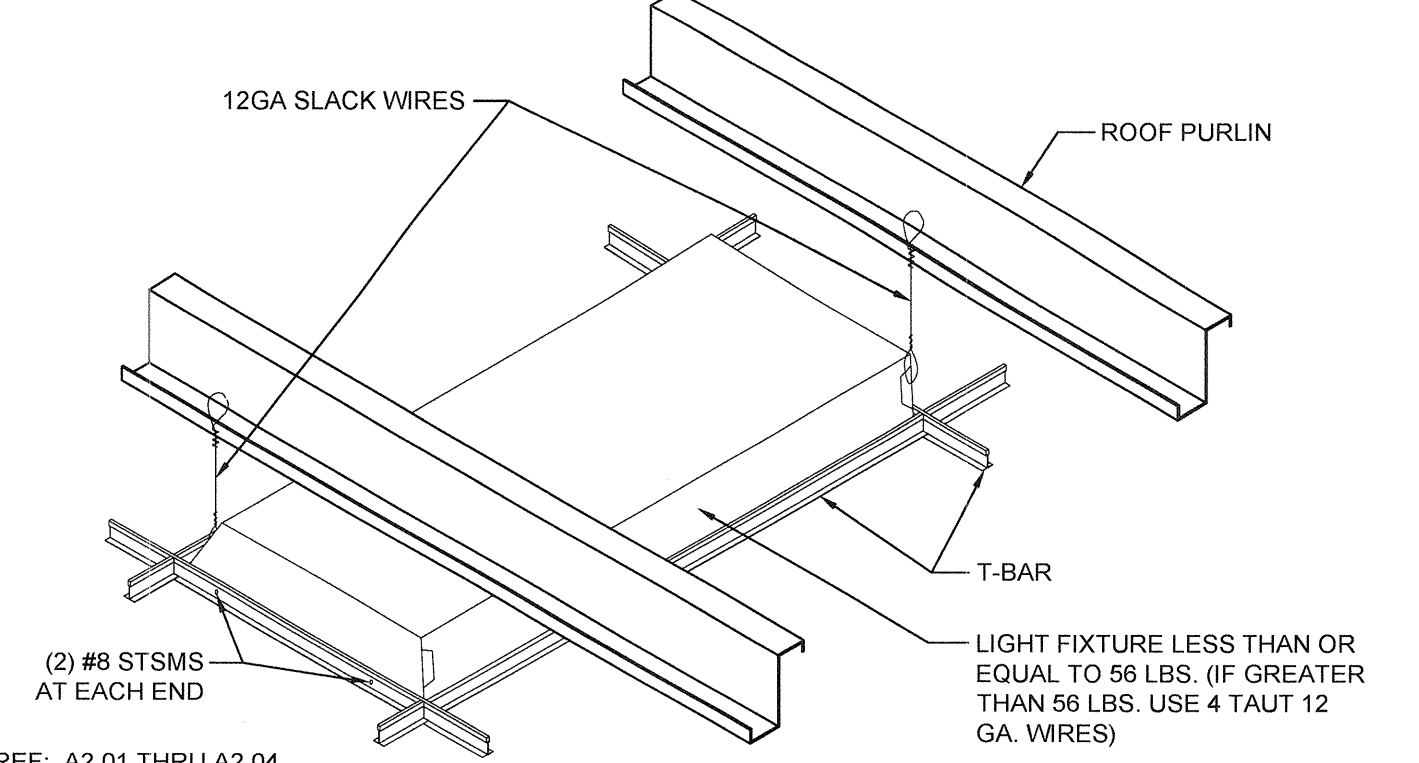
HANGER WIRE DETAIL SCALE: 3"=1'-0" 11



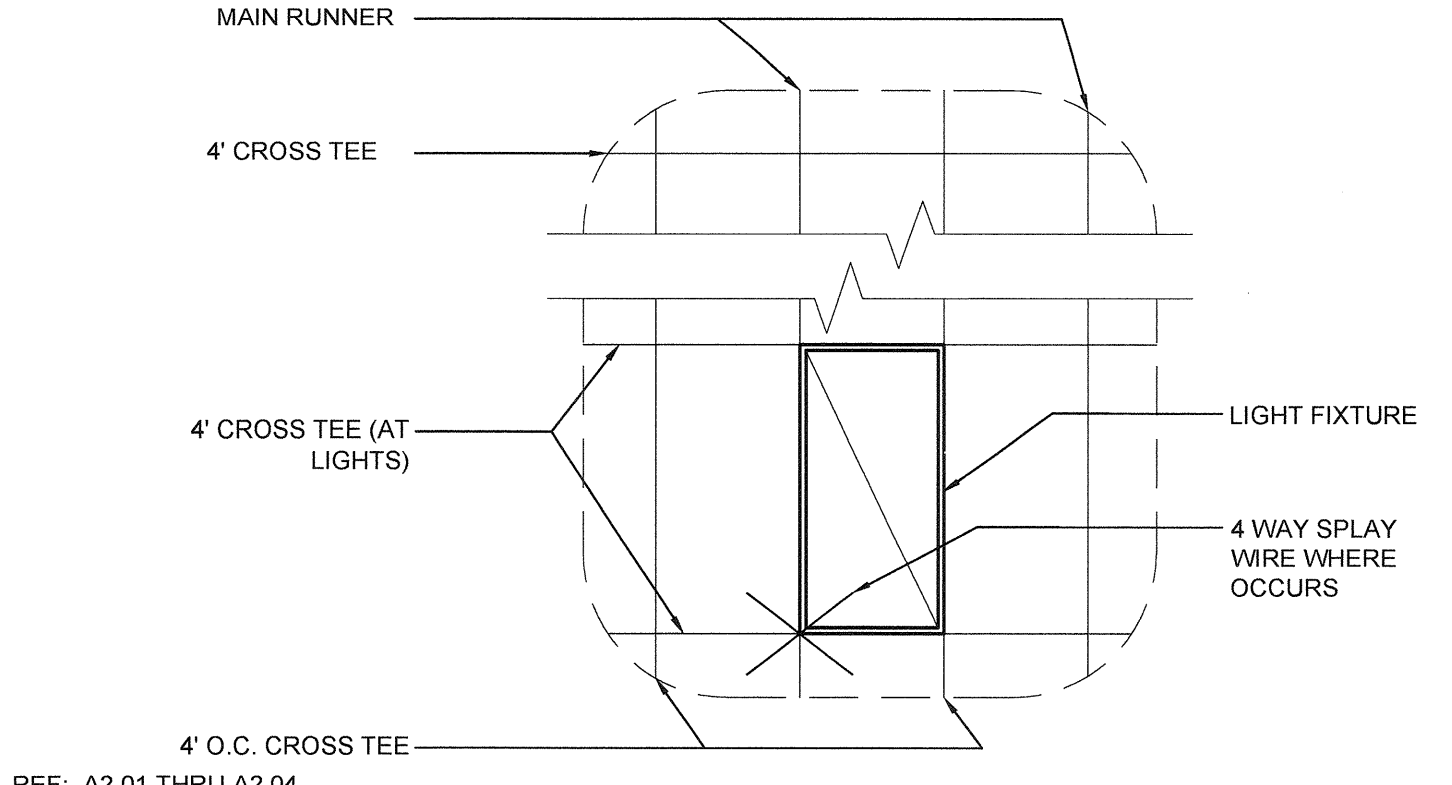
SPLAY BRACING WIRE SCALE: 3"=1'-0" 6



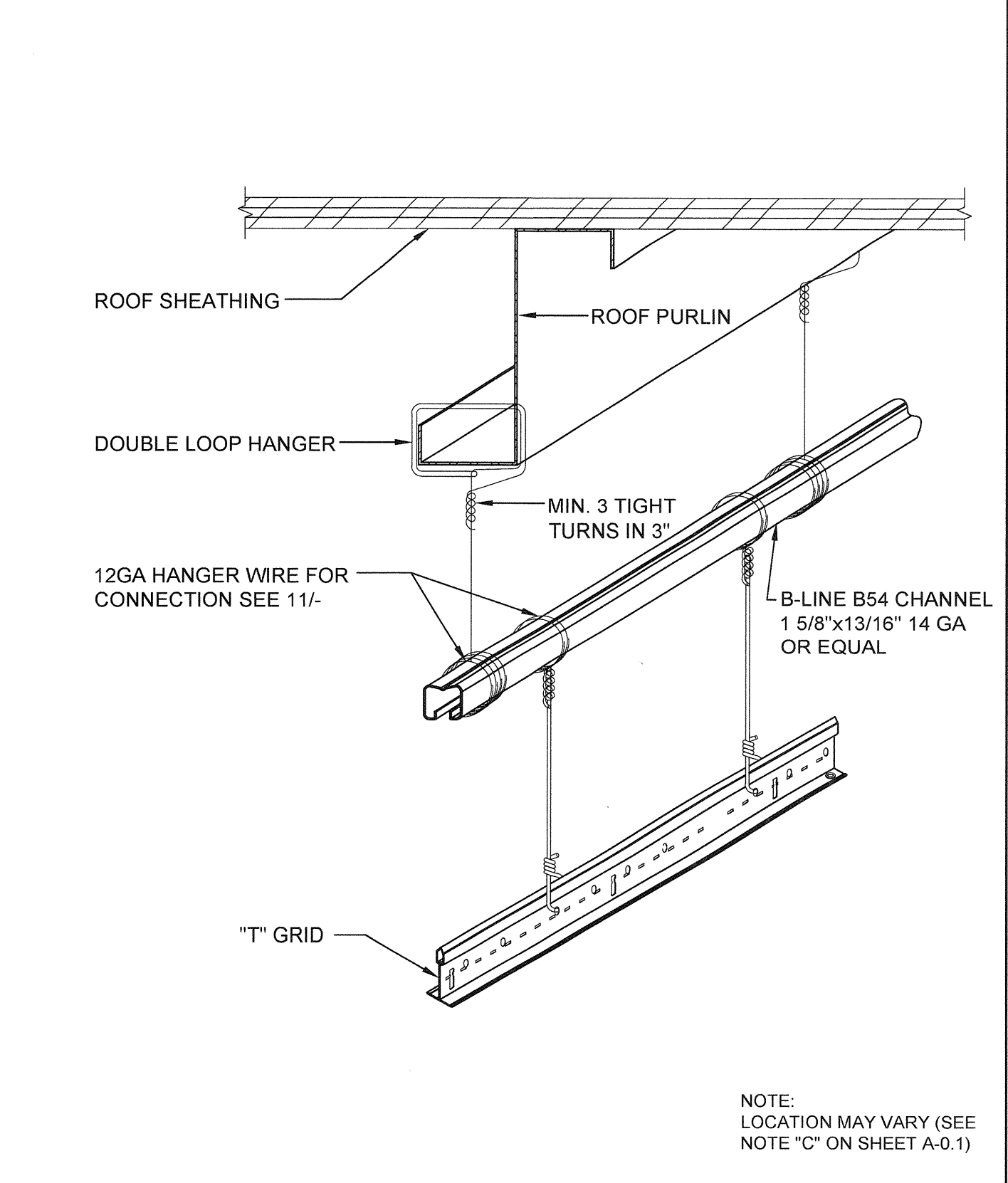
HVAC REGISTER MOUNTING SCALE: NTS 12



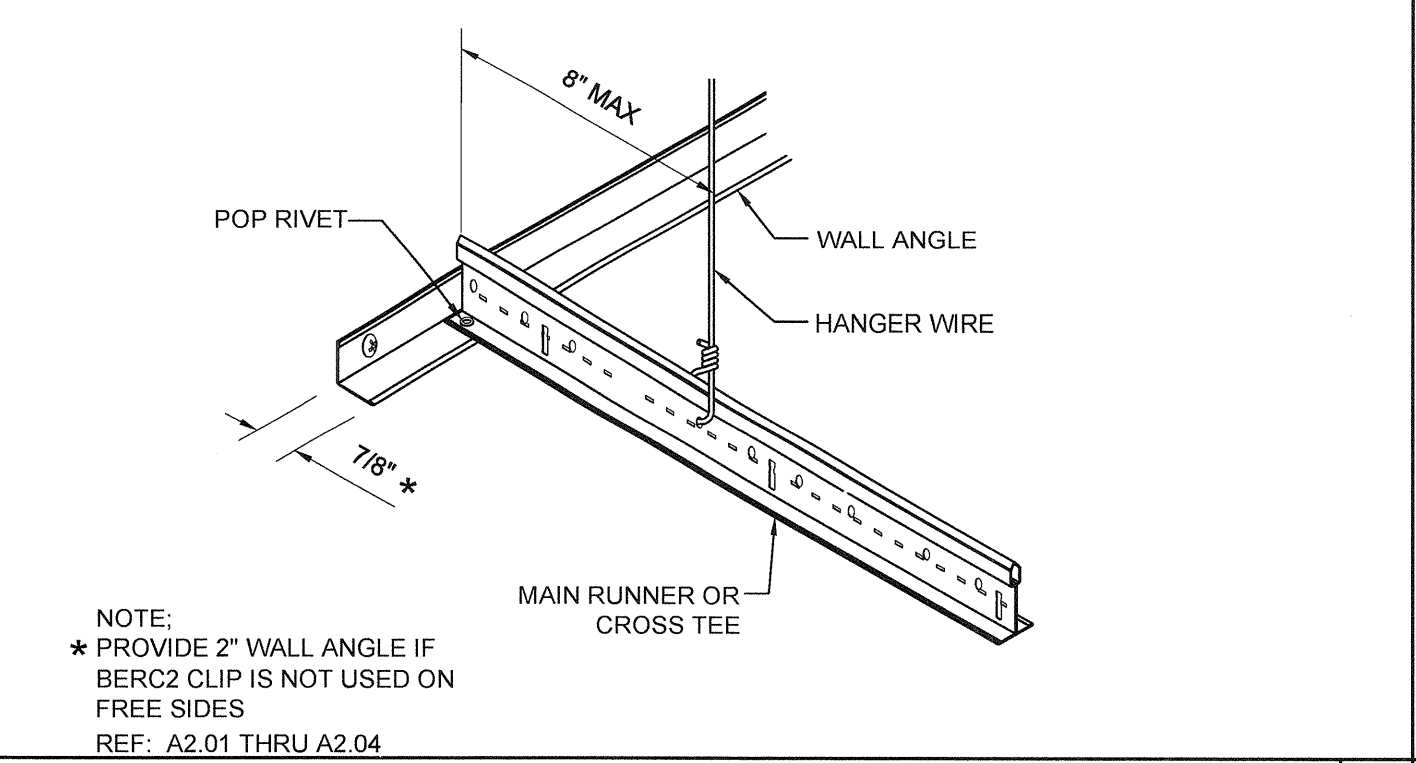
LIGHT FIXTURE MOUNTING SCALE: NTS 7



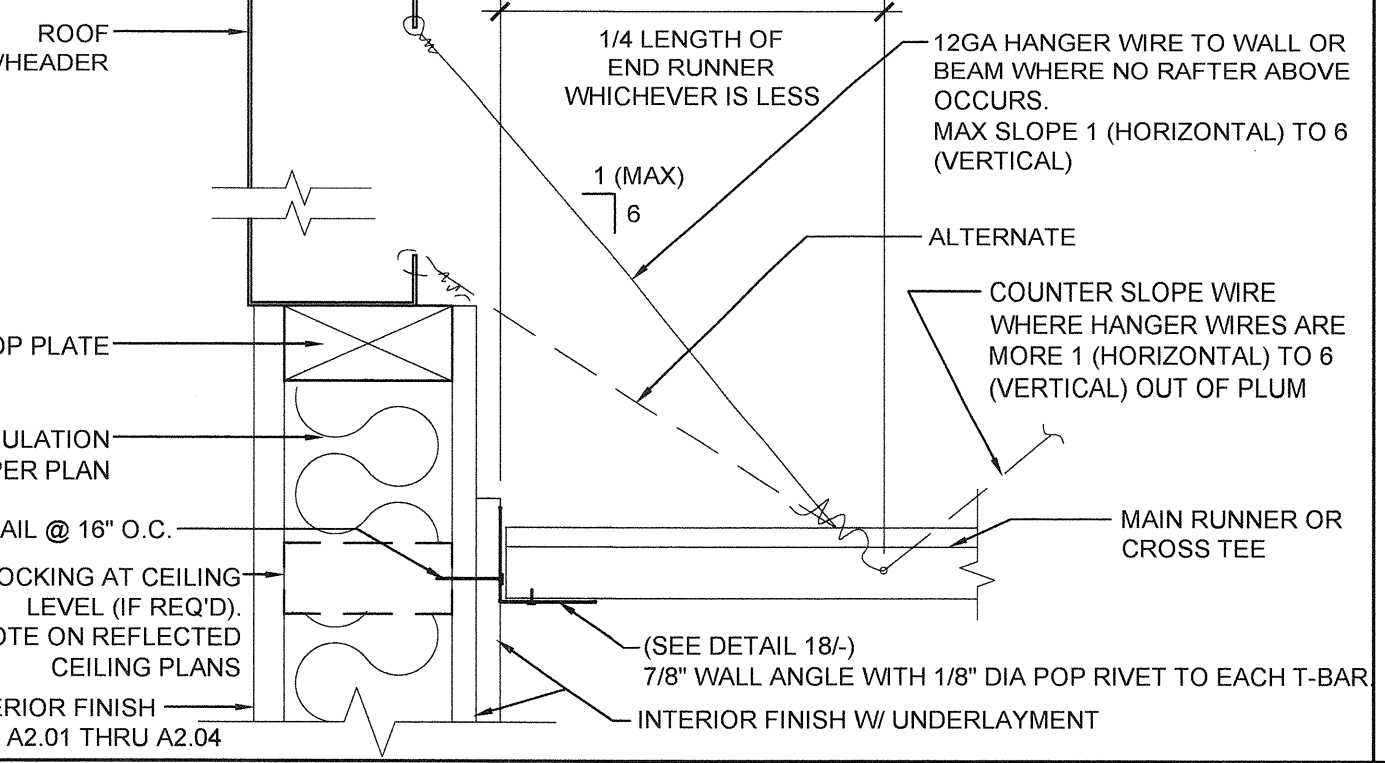
4' CROSS TEE AT LIGHTS SCALE: 3/8"=1'-0" 2



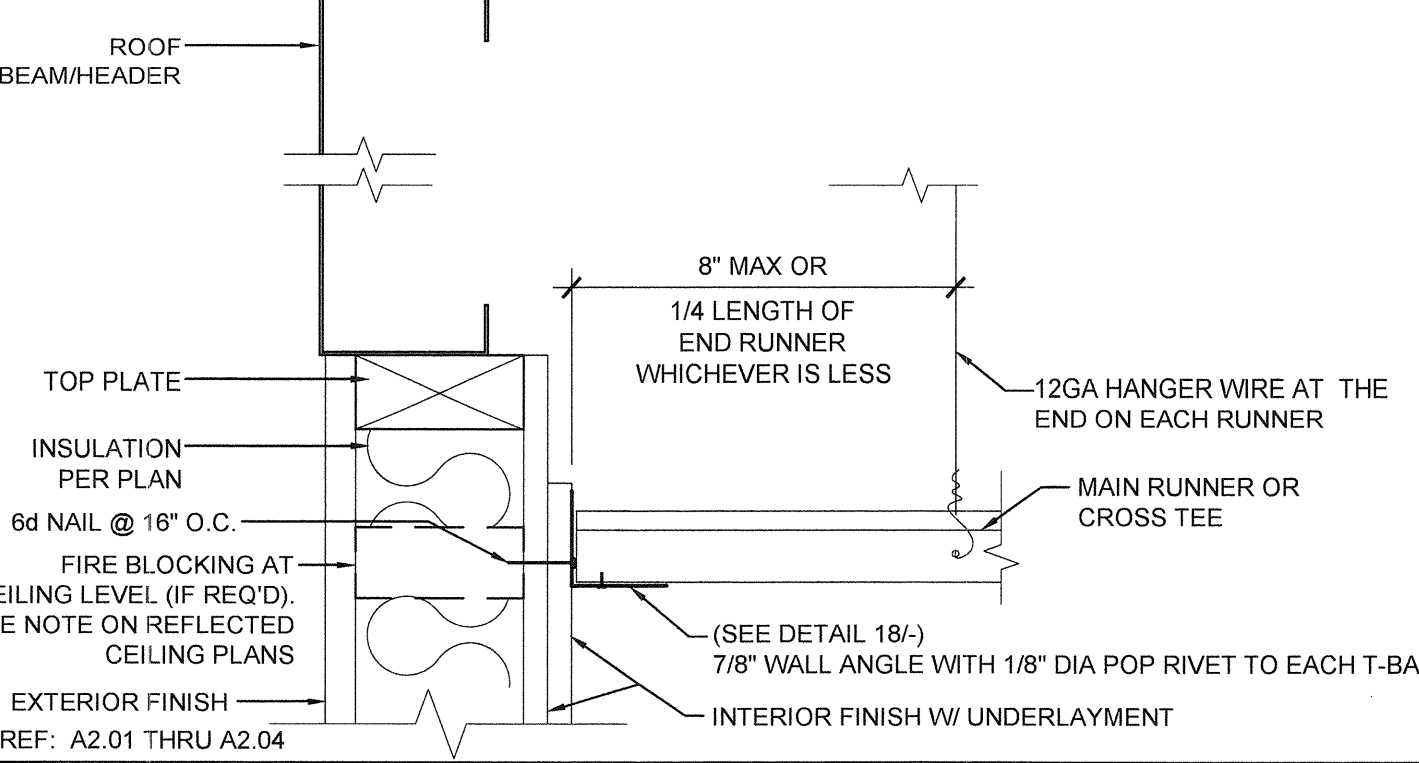
TRAPEZE DETAIL SCALE: 3"=1'-0" 17



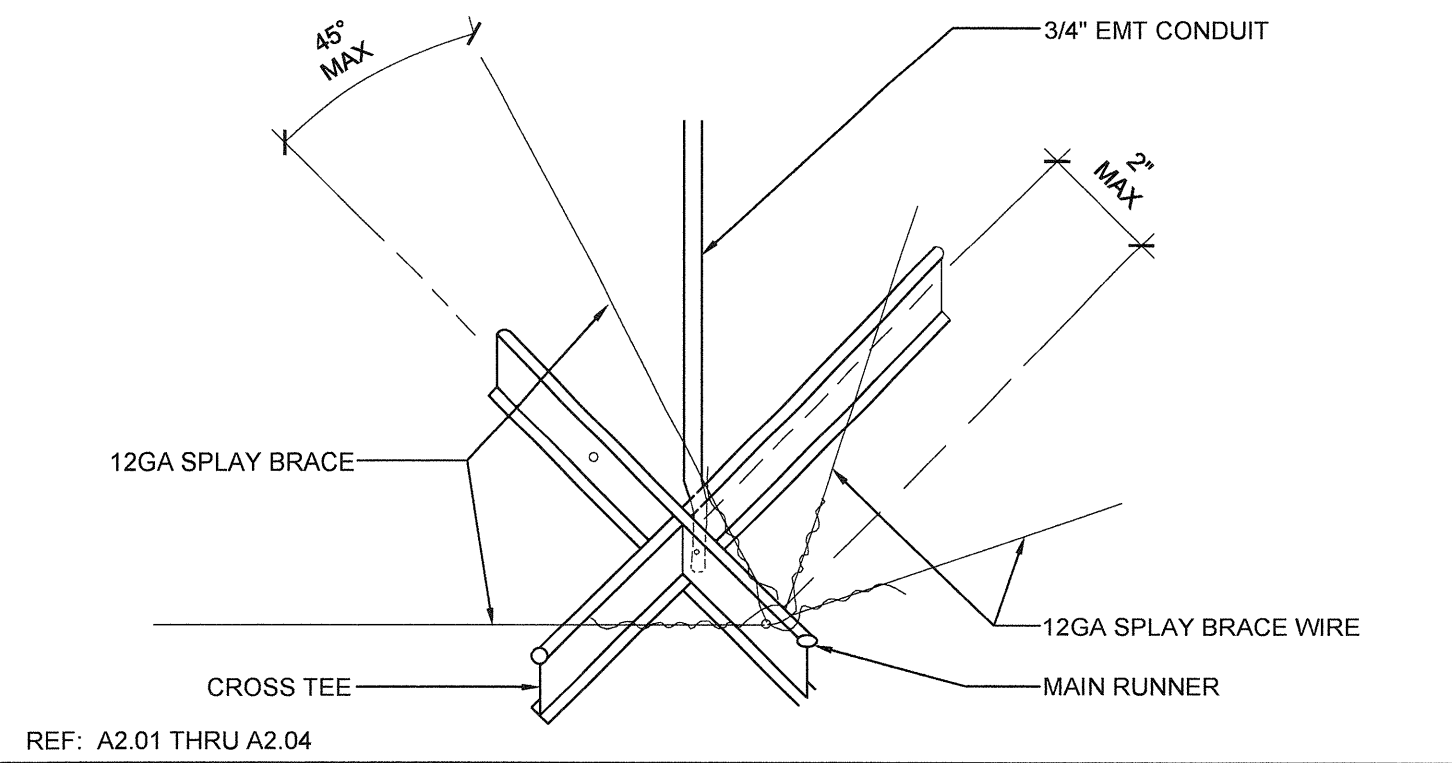
FIXED SIDE SCALE: NTS 18



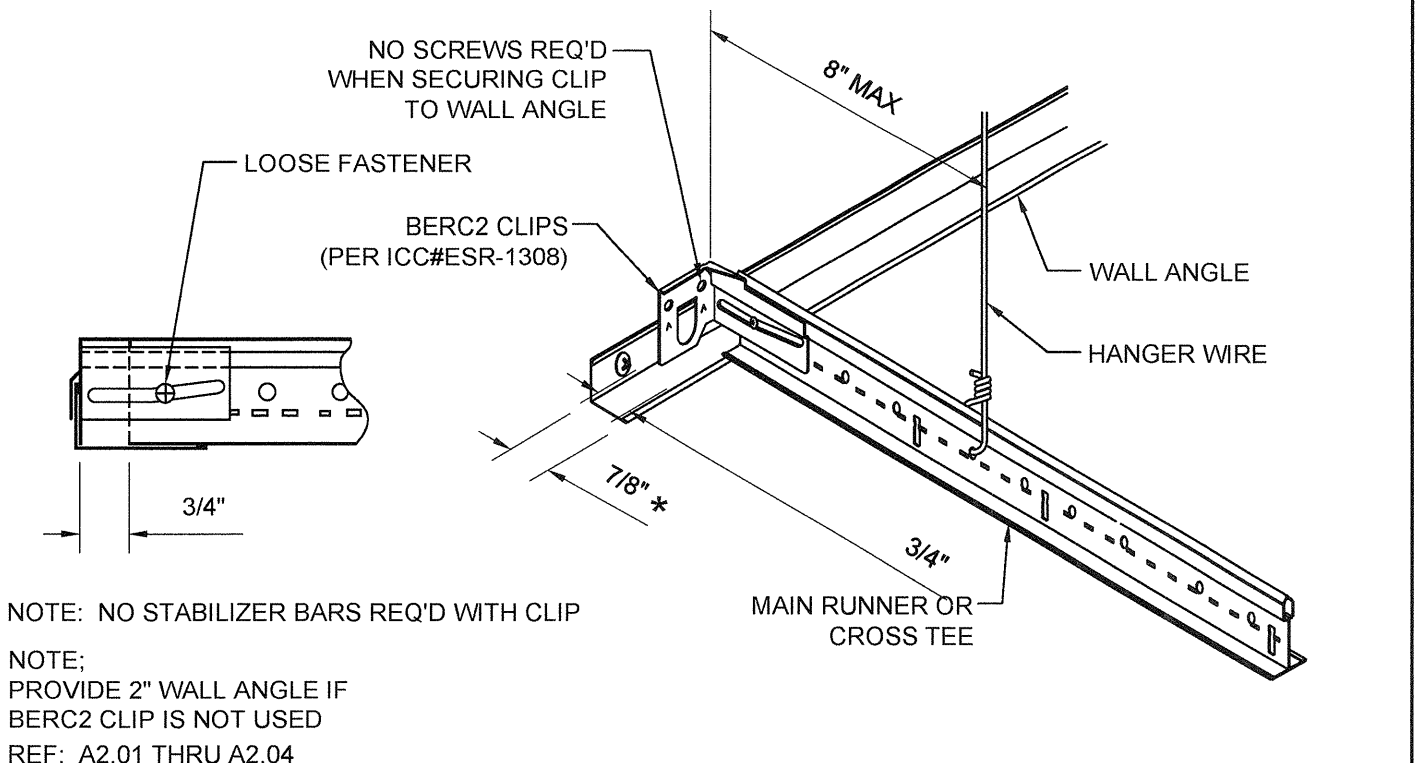
HANGER WIRE - FIXED SIDE (ENDWALL) SCALE: 3"=1'-0" 13



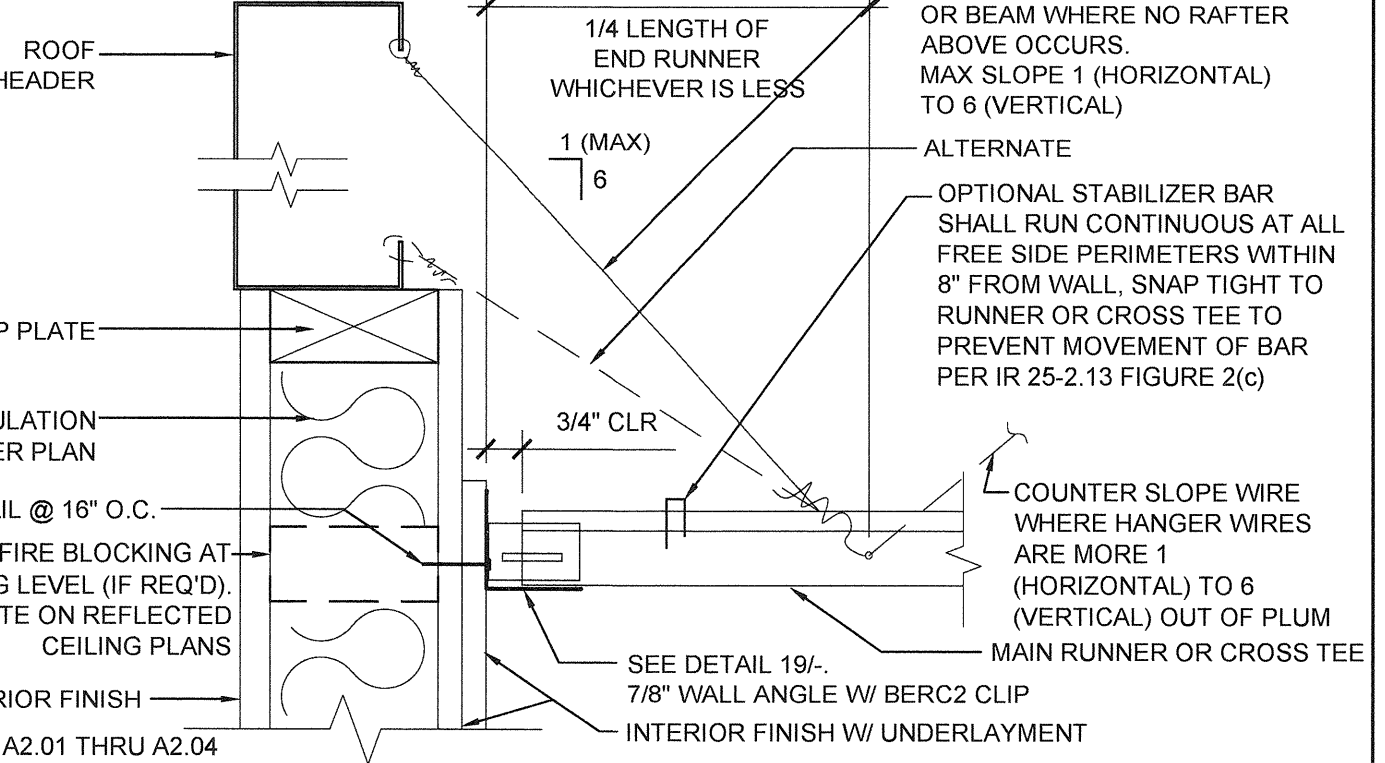
HANGER WIRE - FIXED SIDE (SIDEWALL) SCALE: 3"=1'-0" 8



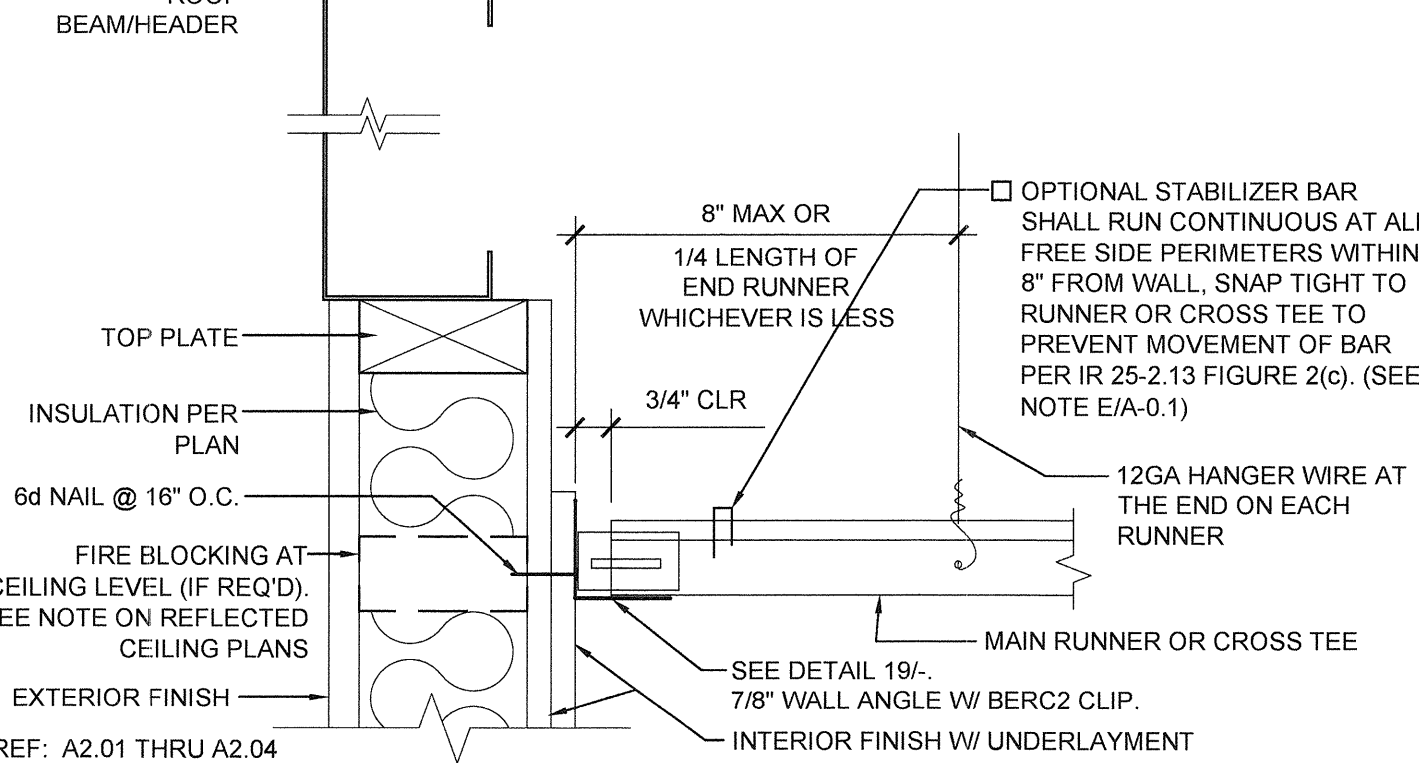
SEISMIC SPLAY - 4 WAY SCALE: NTS 3



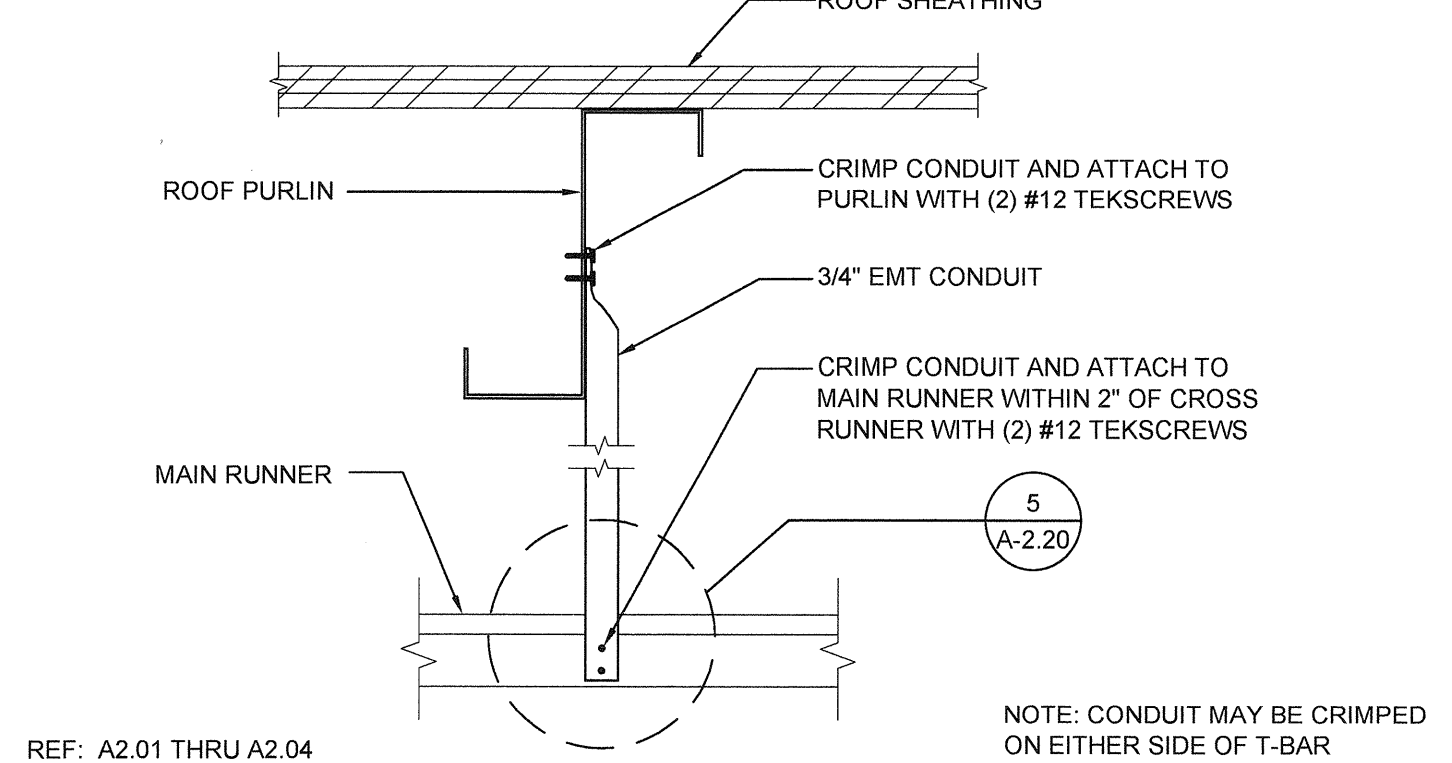
FREE SIDE SCALE: NTS 19



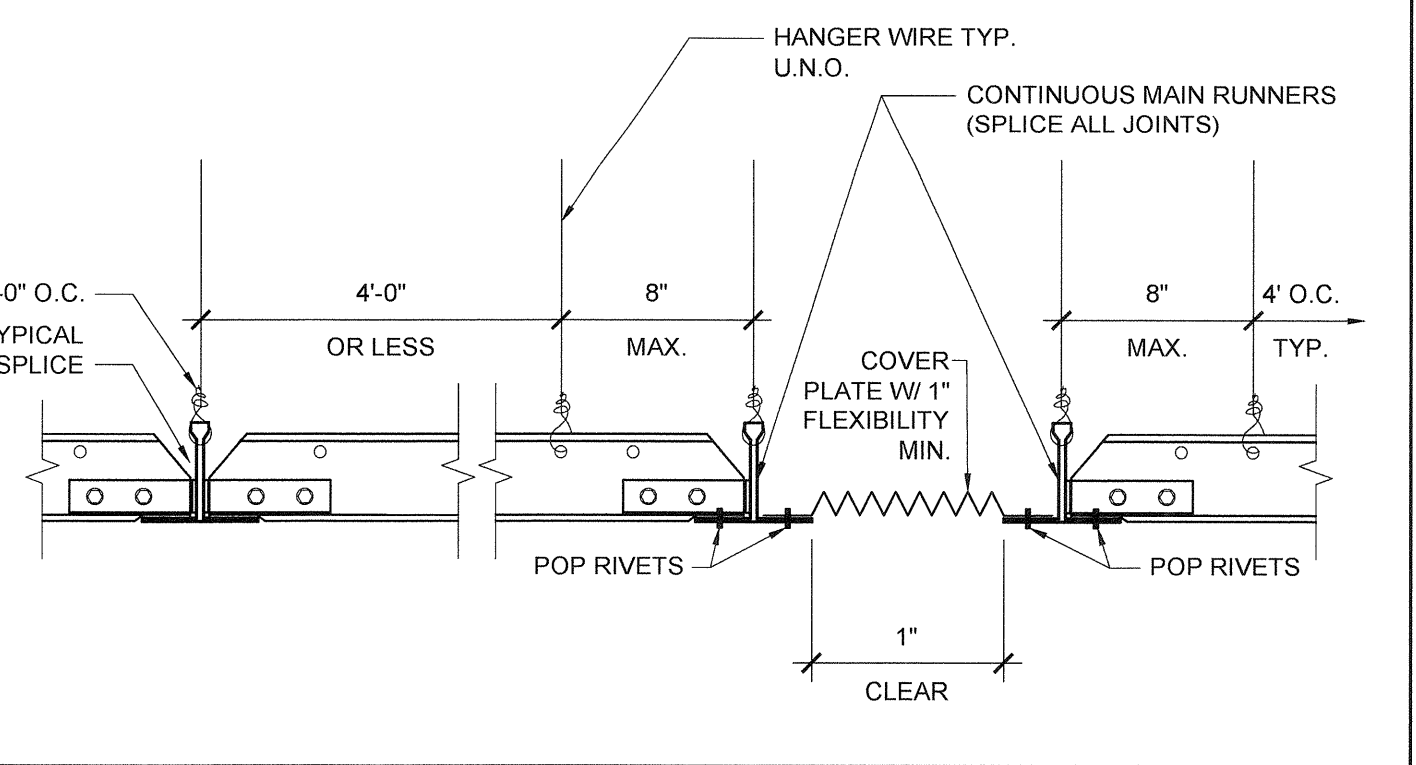
HANGER WIRE - FREE SIDE (ENDWALL) SCALE: 3"=1'-0" 14



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



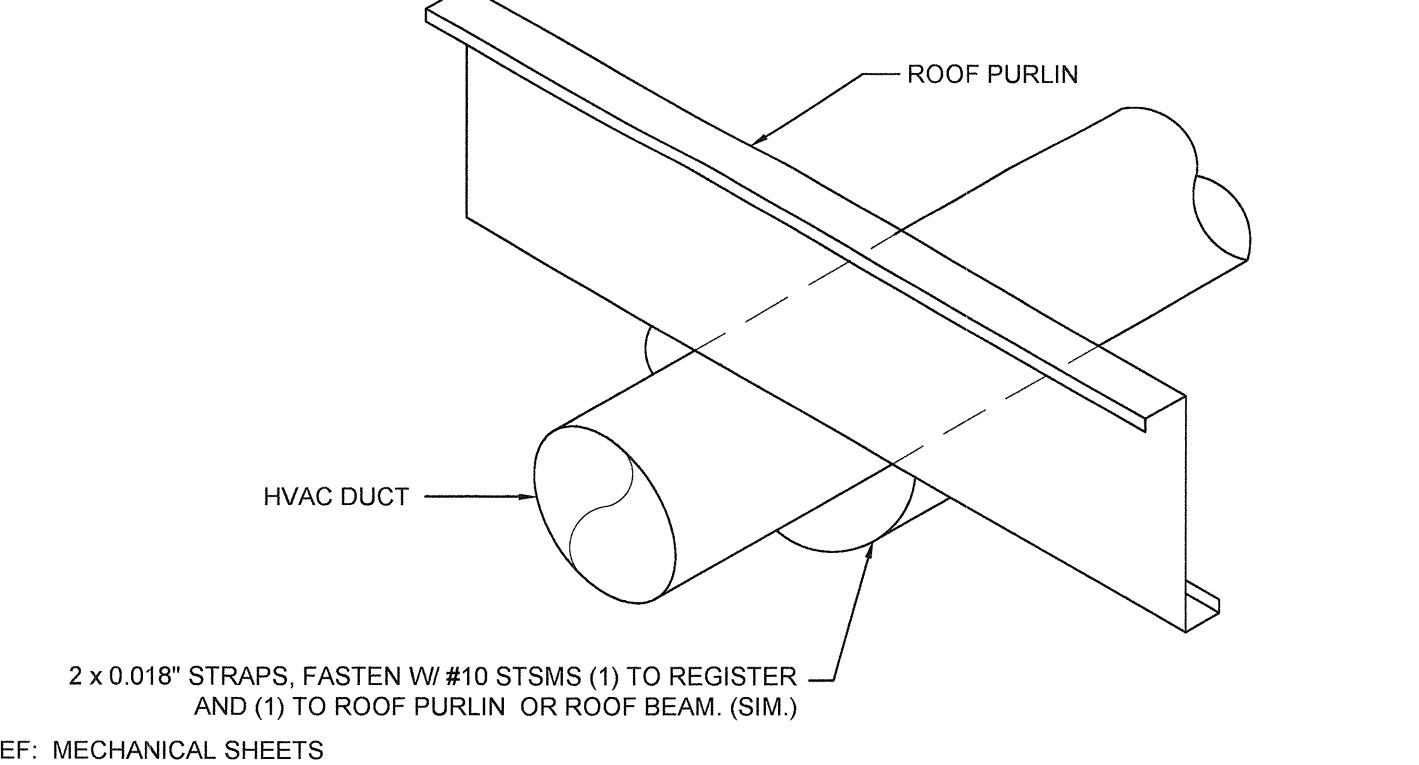
COMPRESSION STRUT SCALE: 3"=1'-0" 4



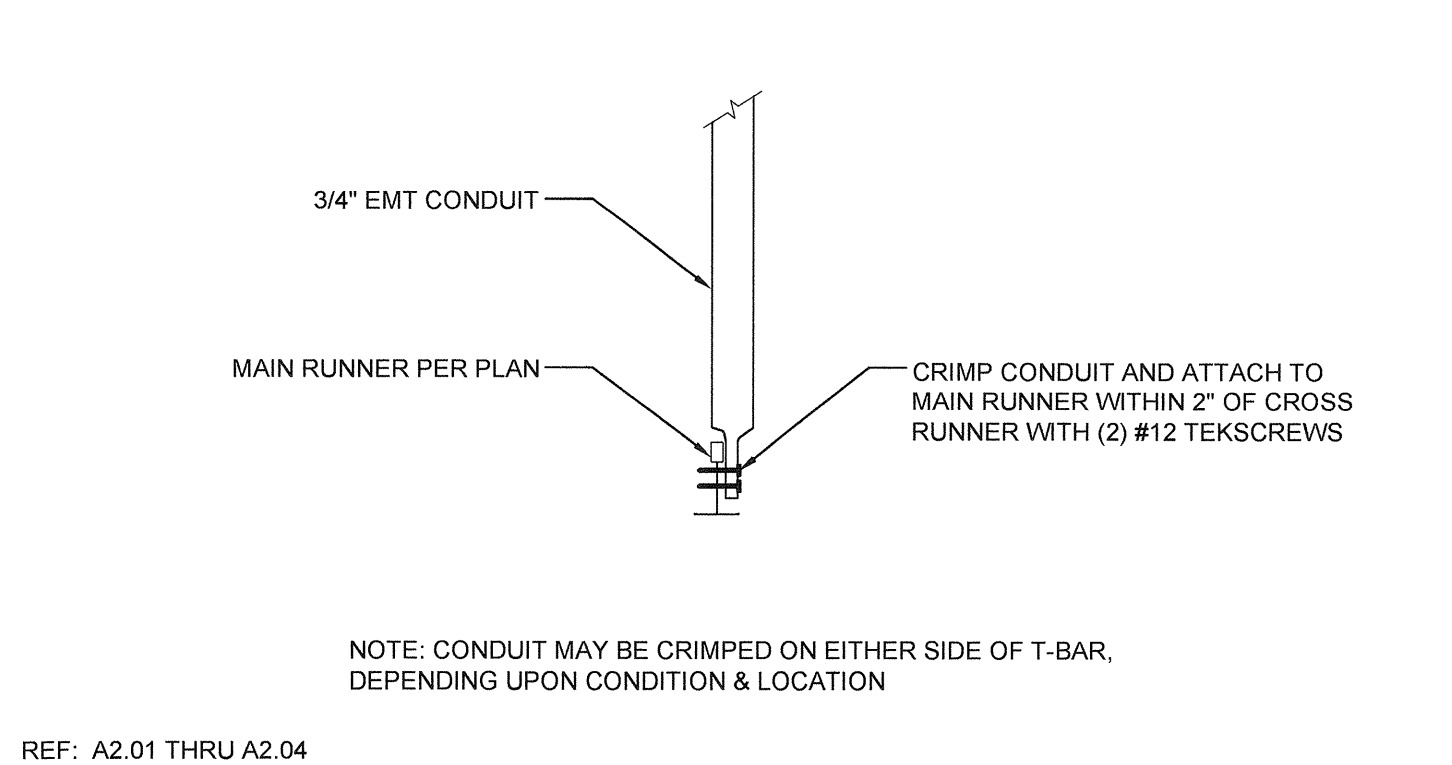
GRID SEISMIC SEPARATION JOINT SCALE: 3"=1'-0" 20



HVAC DUCTWORK MOUNTING SCALE: NTS 15



COMPRESSION STRUT SCALE: 3"=1'-0" 10

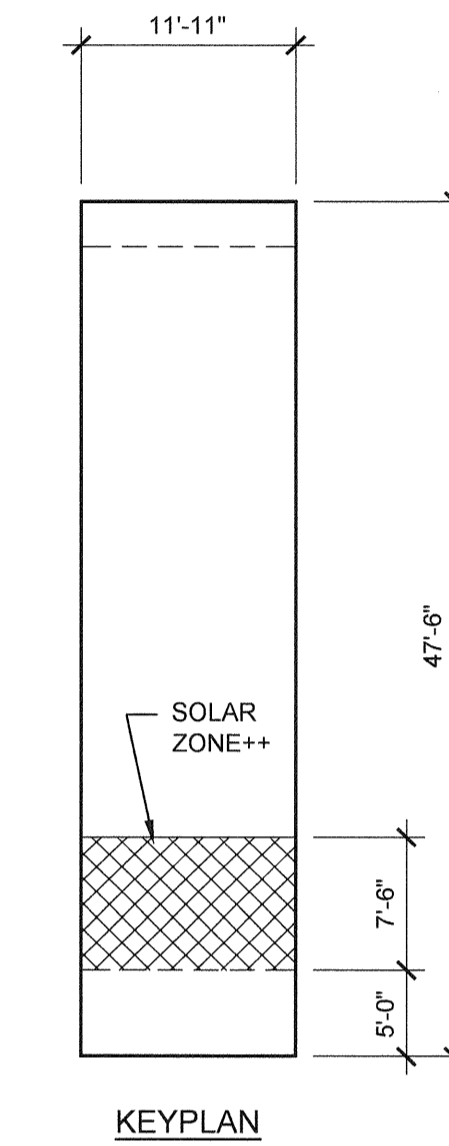


COMPRESSION STRUT SCALE: 3"=1'-0" 5

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 2016 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
12'-0" x 40'-0"	86 SF	89 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:

**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:

**ROOF PLAN
12'x40' - 0.018" METAL DECK
MONO OR DUAL SLOPE**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

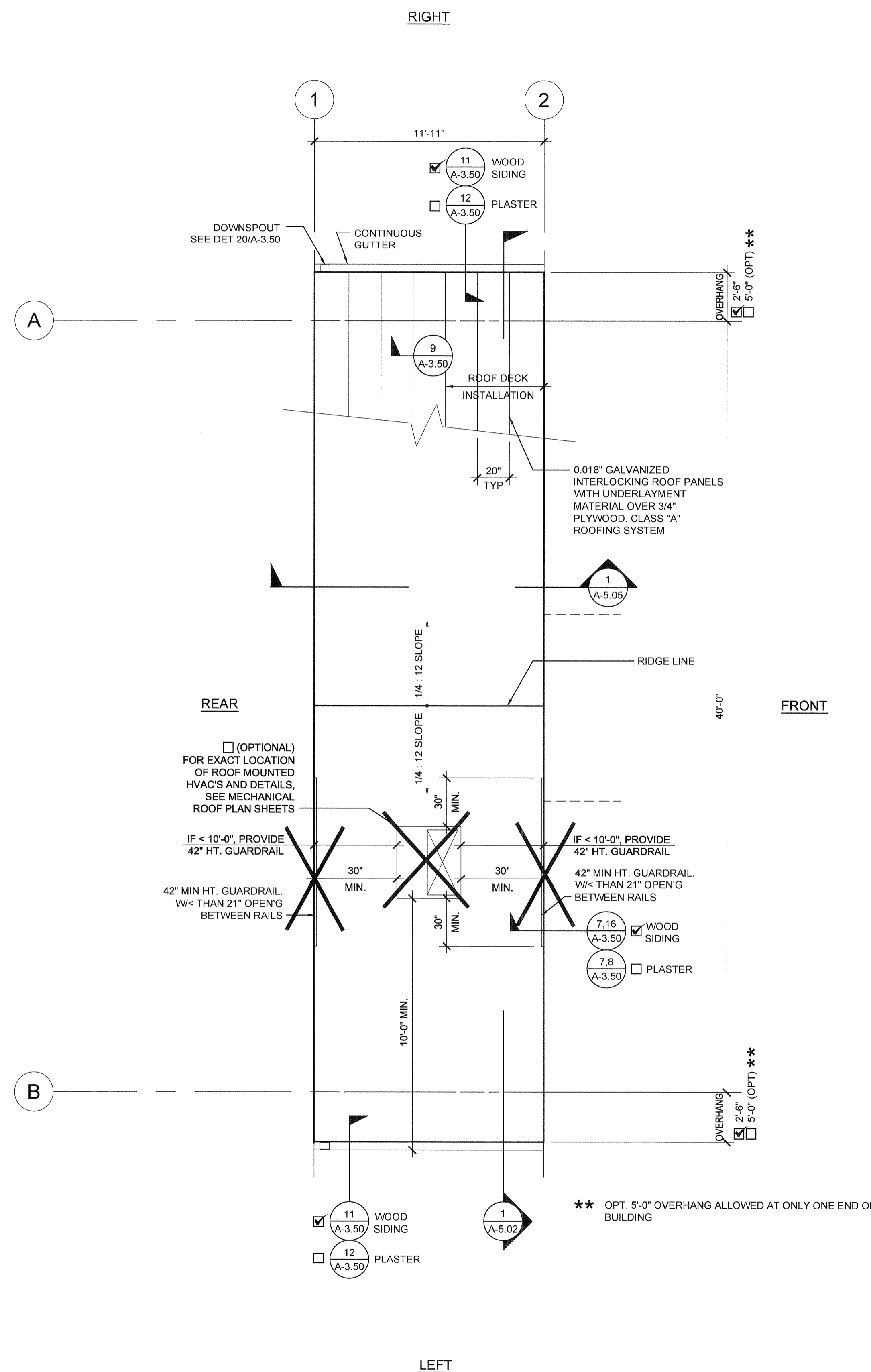
PRE-CHECK DOCUMENT CHECK FOR: PROJECT DATA A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116720 INCR: 0
	AC_RM_FLS_DS_SSR_KER
	DATE 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

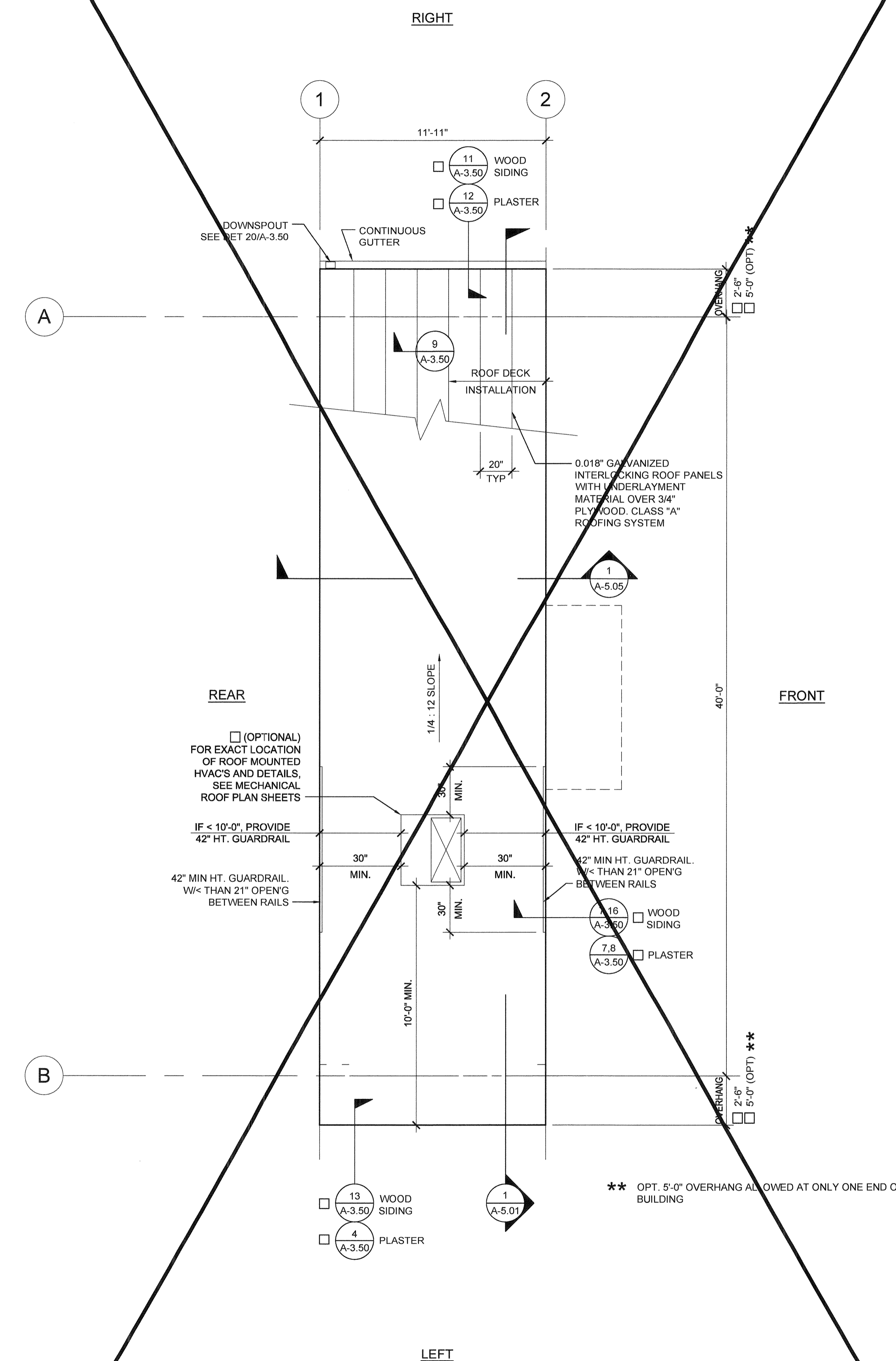
PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017
P.C. SHEET NUMBER

A-3.01



ROOF PLAN - 0.018" METAL DECK - DUAL SLOPE

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



ROOF PLAN - 0.018" METAL DECK - MONO SLOPE

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

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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:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**ROOF DETAILS
0.018" STANDING SEAM
ROOF DECK**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

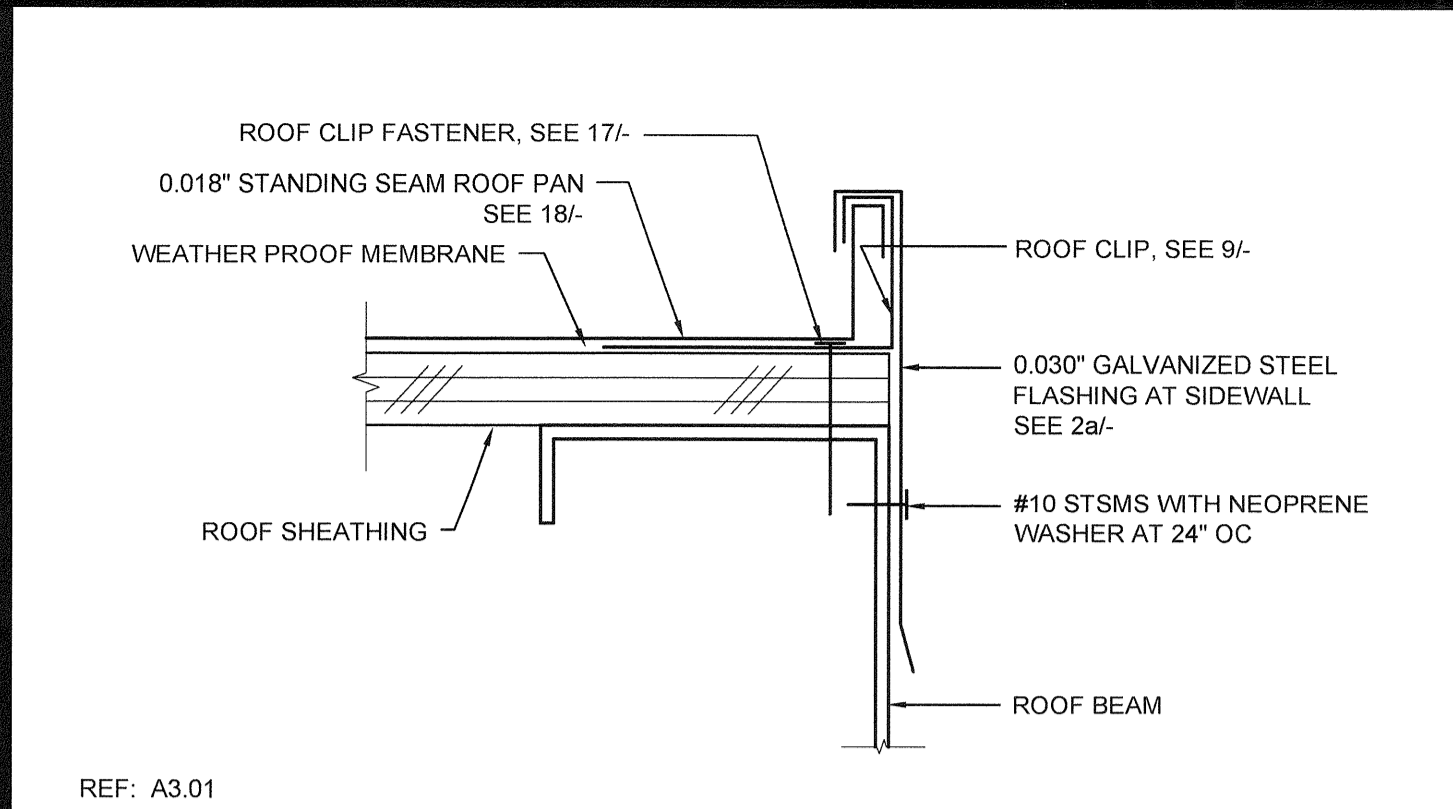
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DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE 08/22/2018

REVISIONS

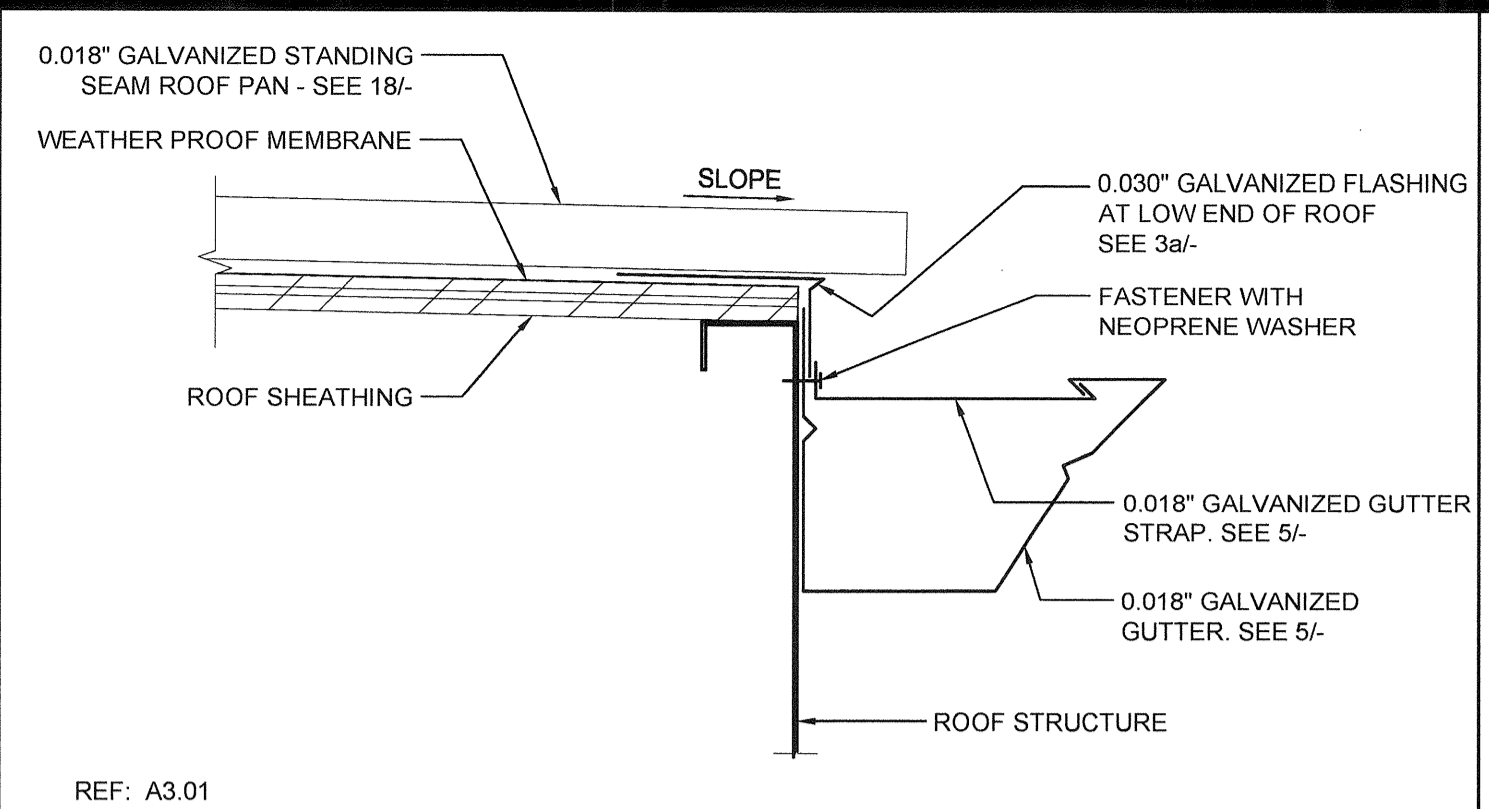
SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

P.C. SHEET NUMBER
A-3.50



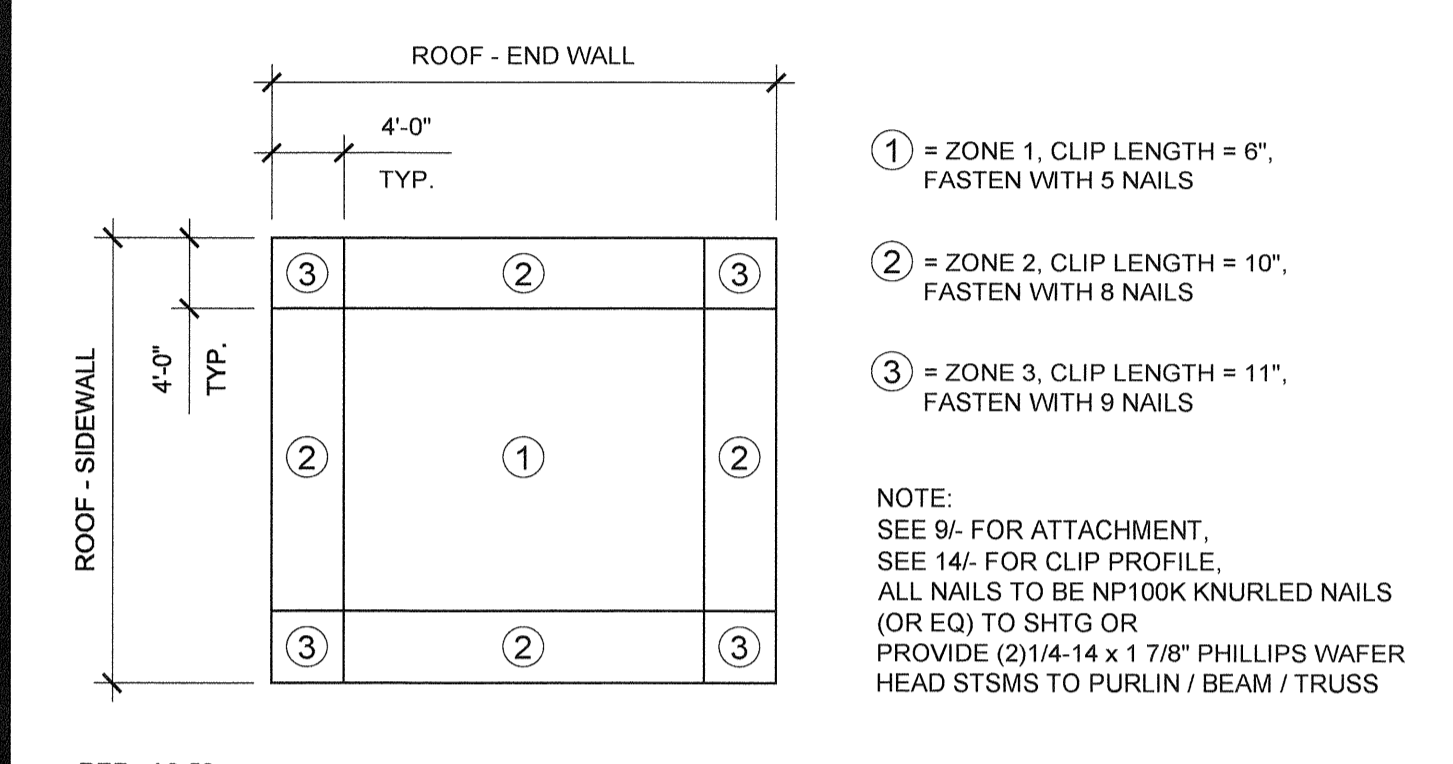
ROOF FLASHING AT SIDEWALL SCALE: 6"=1'-0" 16



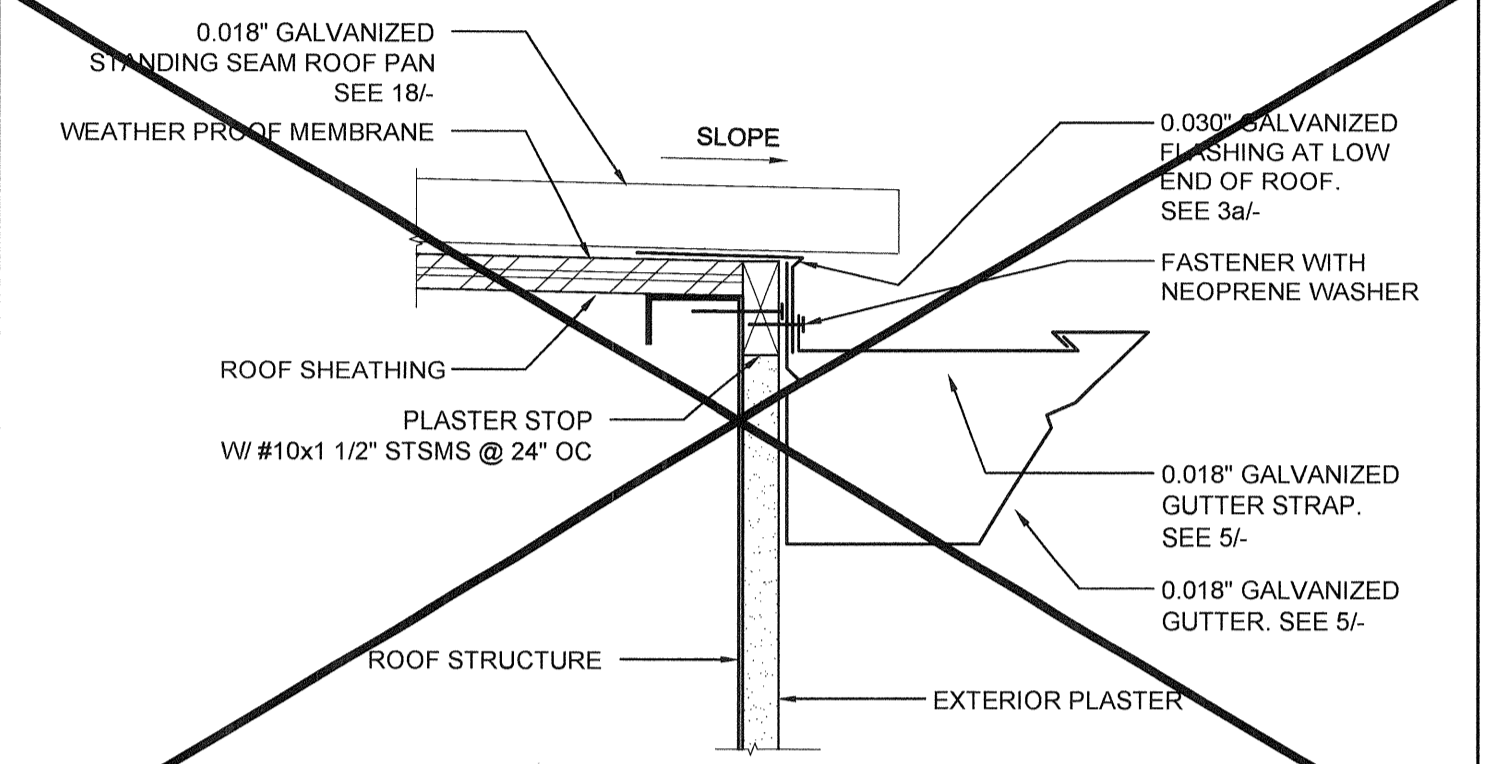
GUTTER AT ROOF FASCIA BEAM SCALE: 3"=1'-0" 11

NOT USED 6

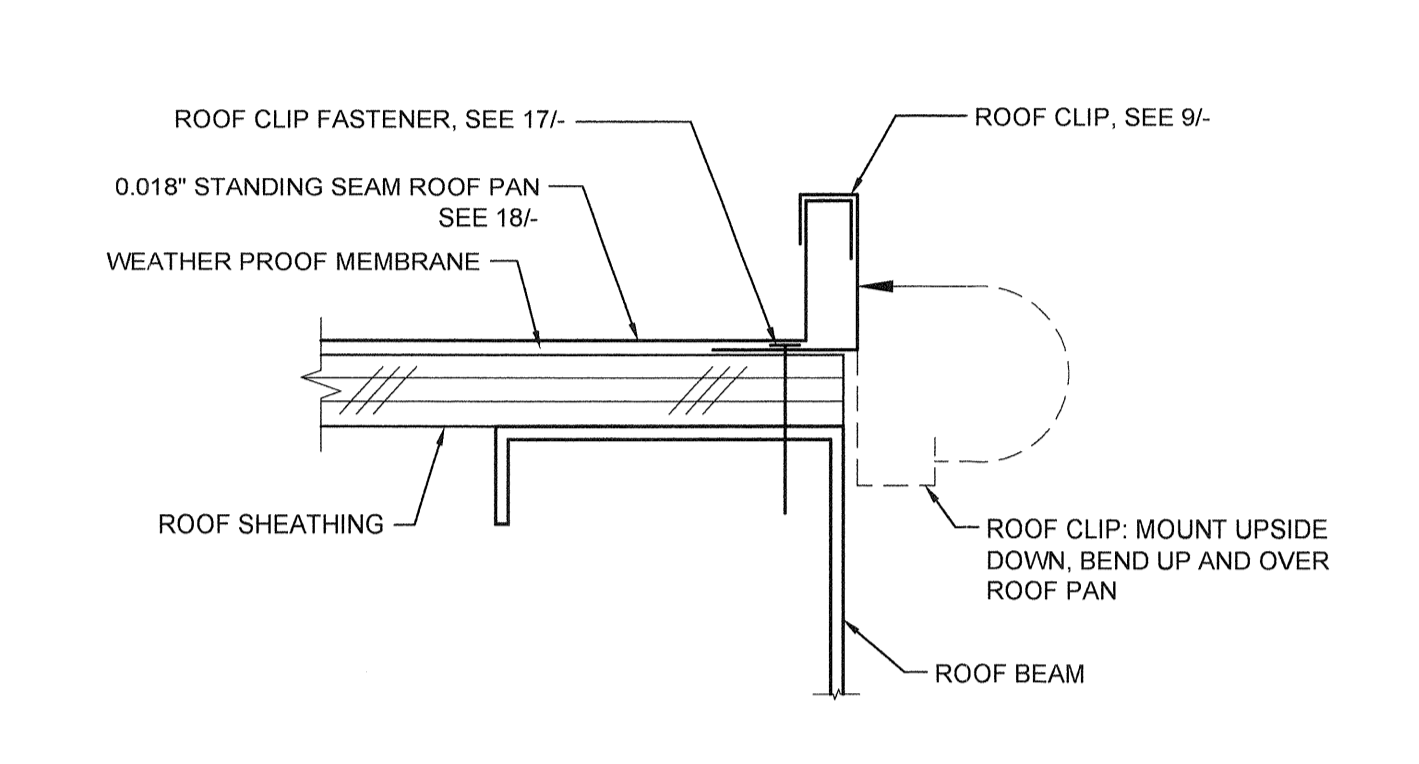
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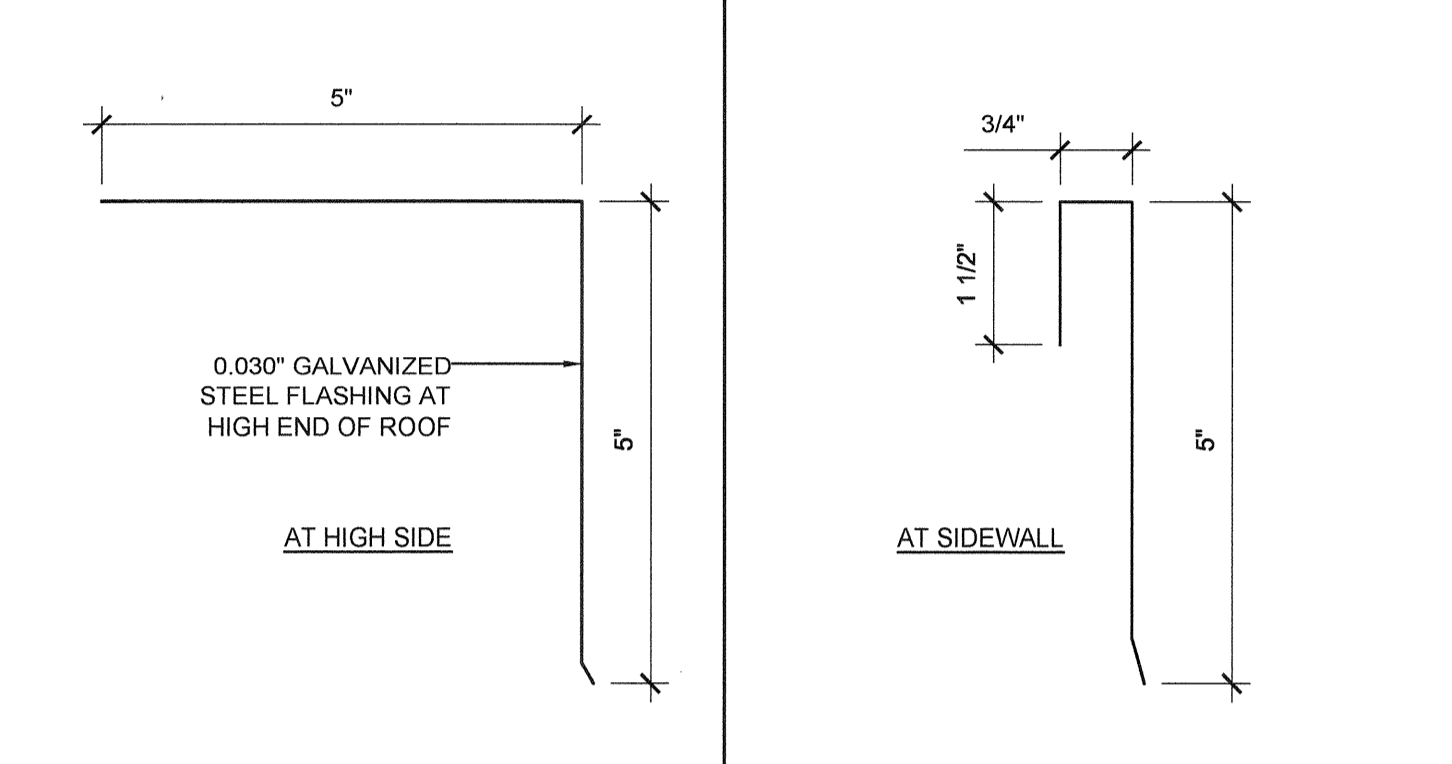
ROOF CLIP ZONES NTS 17



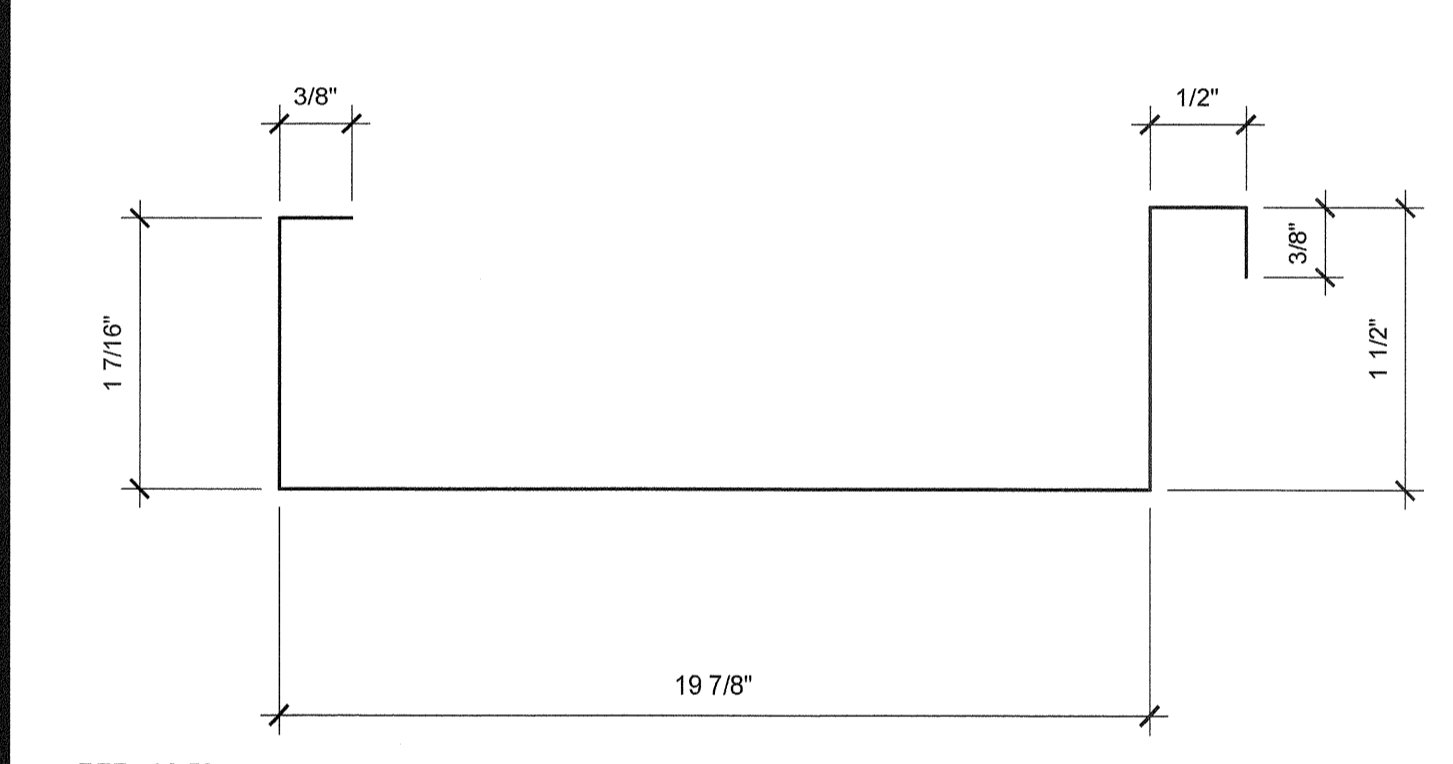
GUTTER AT ROOF FASCIA BEAM SCALE: 3"=1'-0" 12



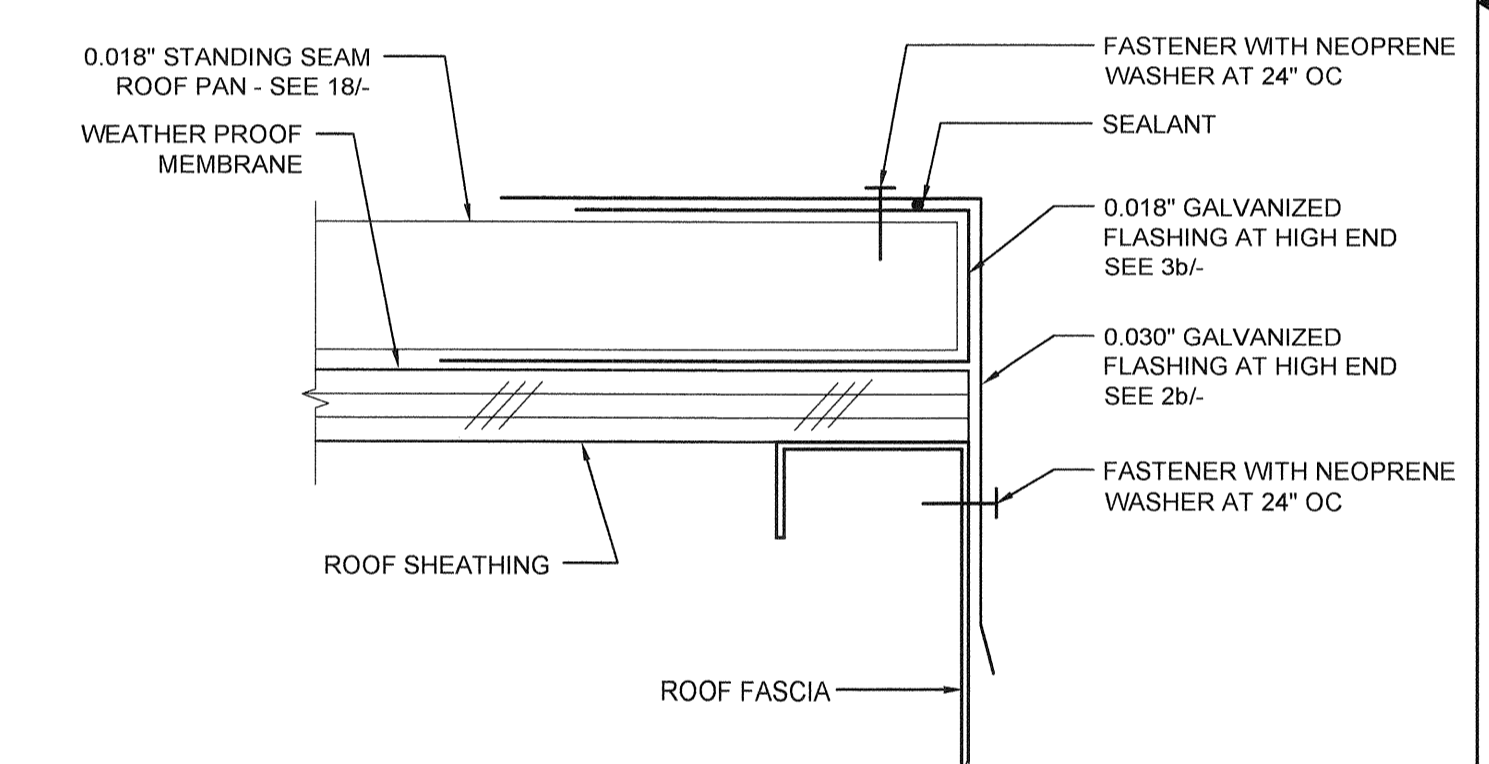
STARTER ROOF PAN CONNECTION SCALE: 6"=1'-0" 7



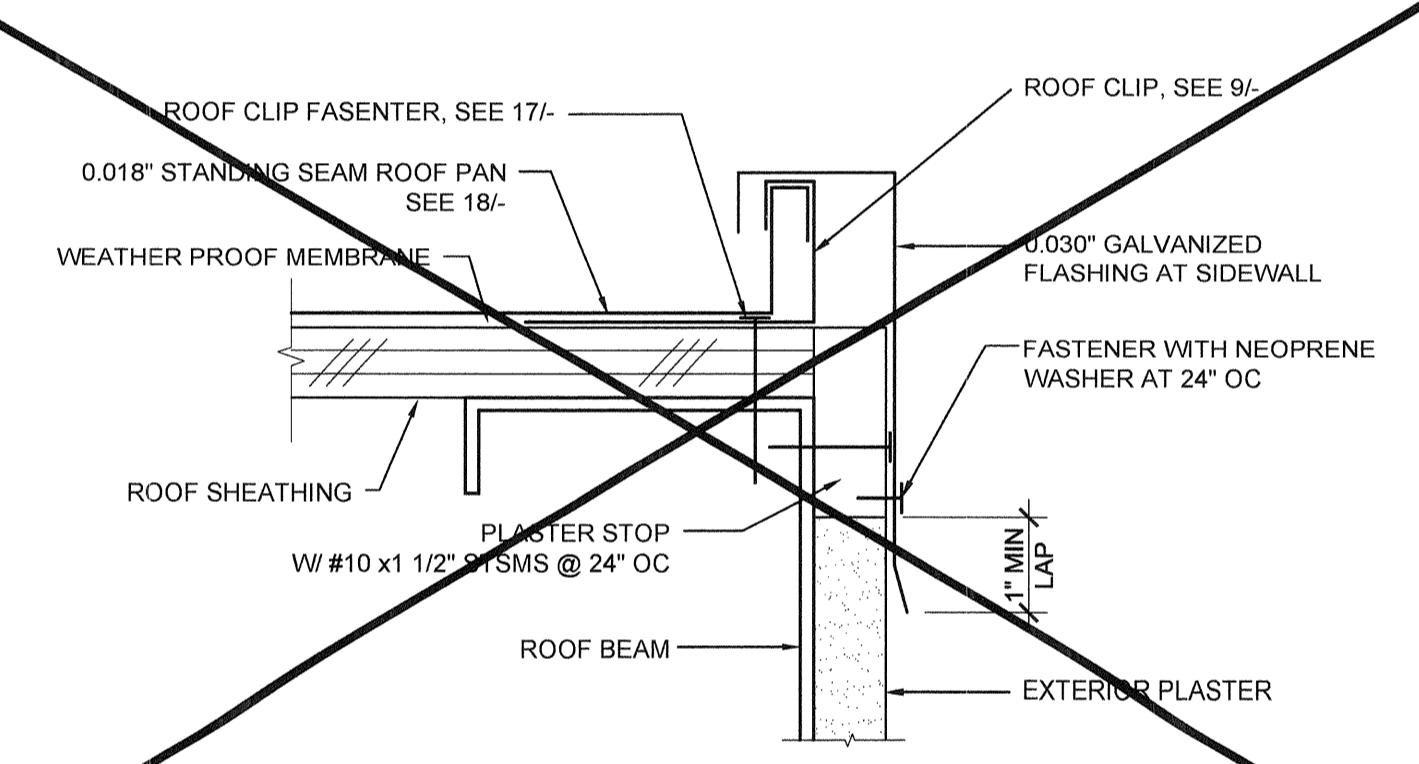
ROOF FLASHING SCALE: 6"=1'-0" 2b



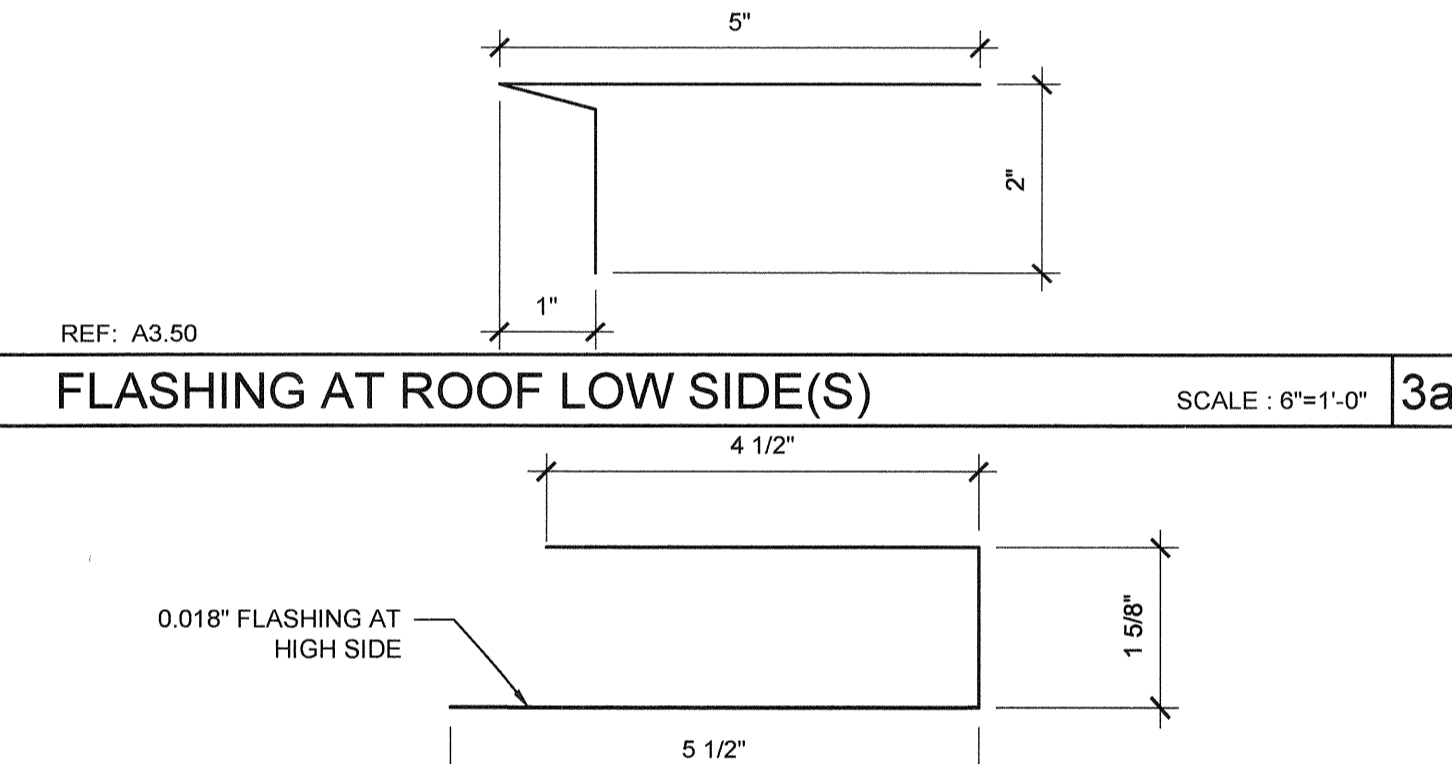
ROOF DECK PROFILE SCALE: 6"=1'-0" 18



ROOF FLASHING AT HIGH SIDE SCALE: 6"=1'-0" 13

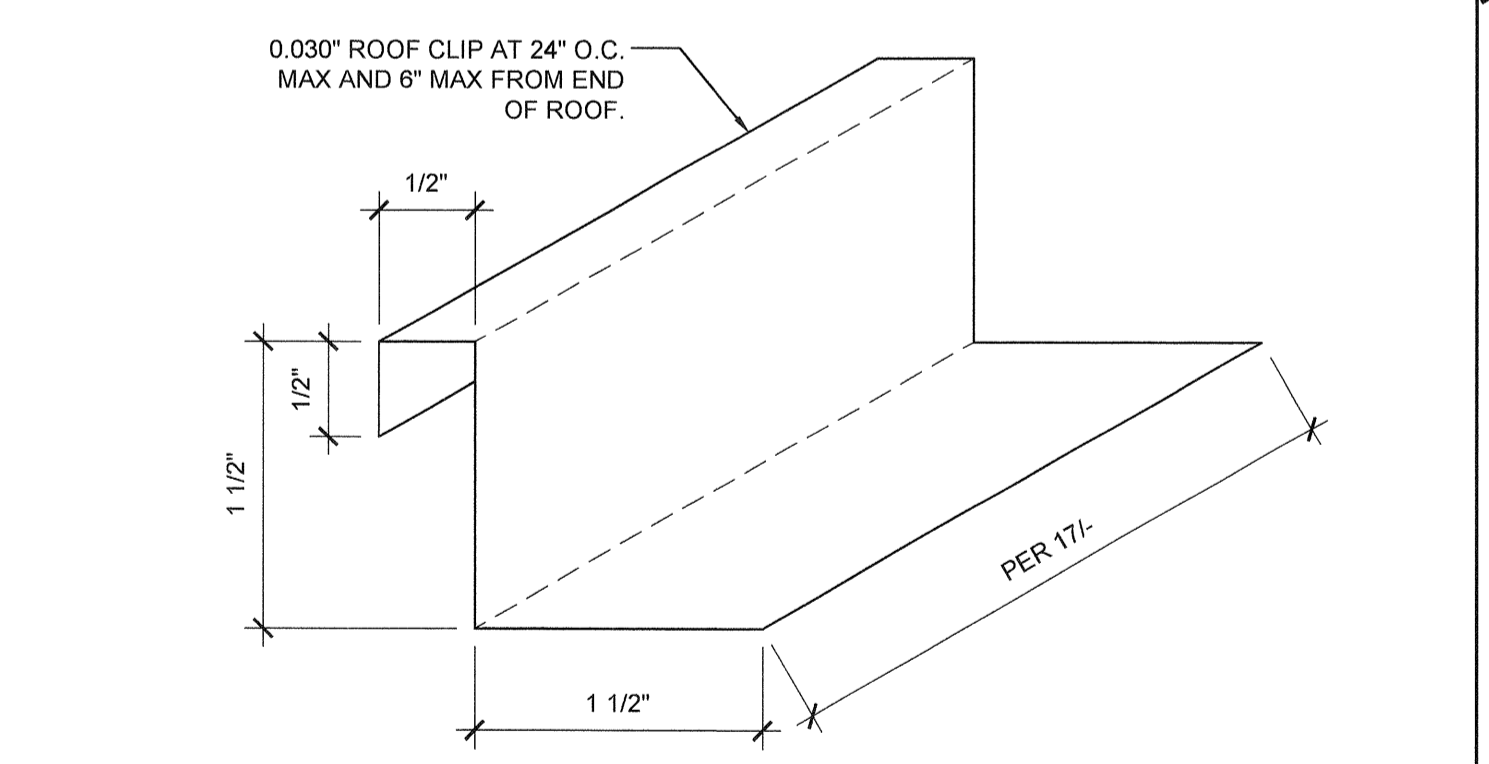


ROOF FLASHING AT SIDEWALL SCALE: 6"=1'-0" 8

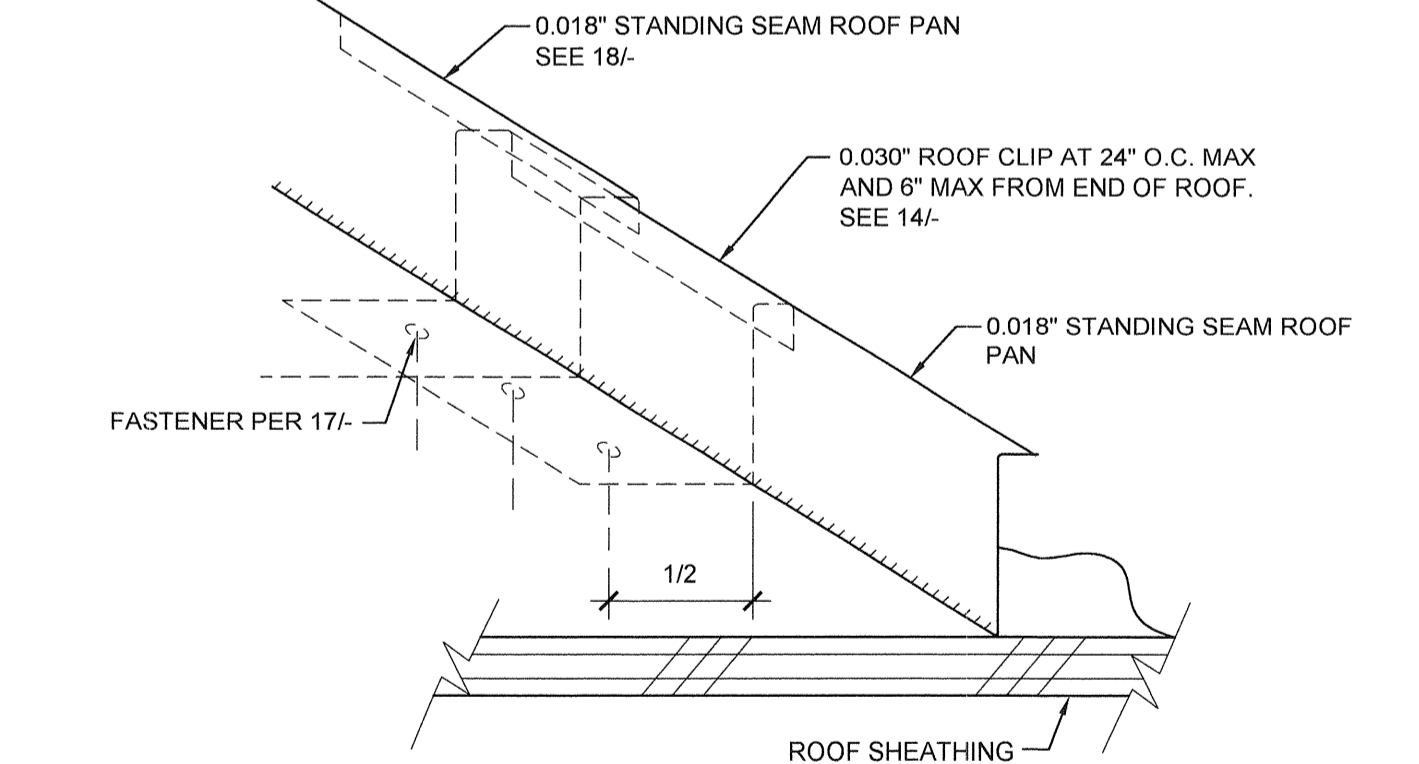


FLASHING AT ROOF LOW SIDE(S) SCALE: 6"=1'-0" 3a

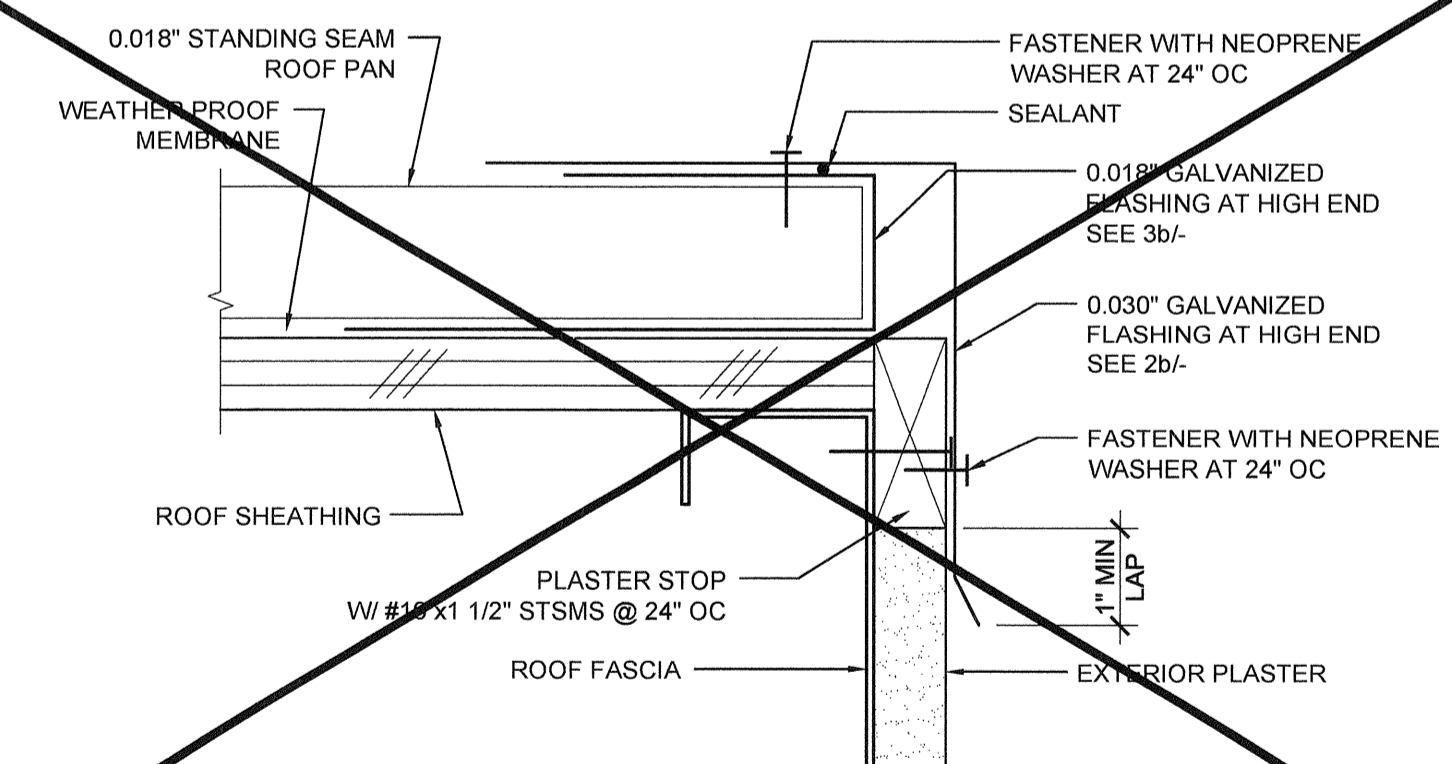
NOT USED 19



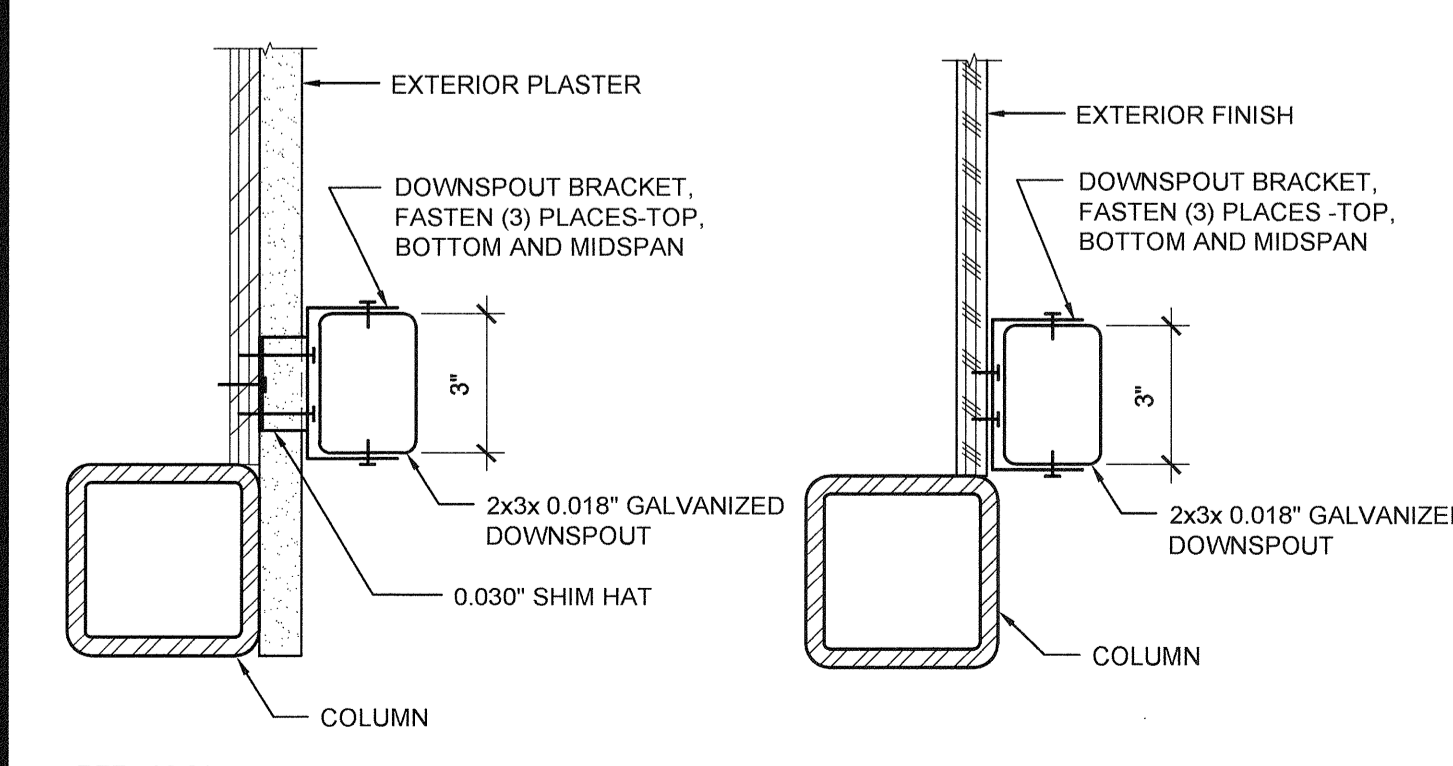
ROOF CLIP SCALE: 1'-0"=1'-0" 14



ROOF STANDING SEAM SCALE: NTS 9



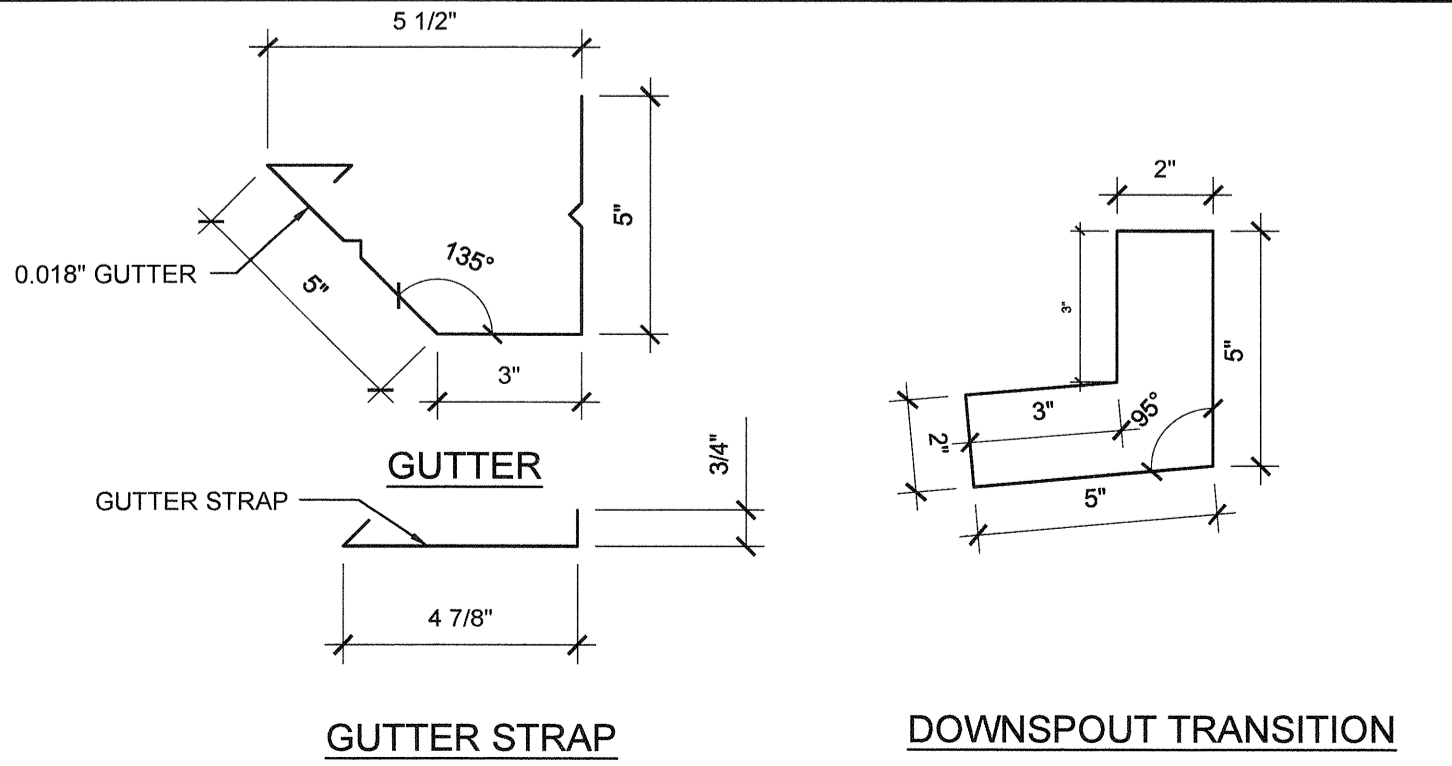
ROOF FLASHING AT HIGH SIDE SCALE: 6"=1'-0" 4



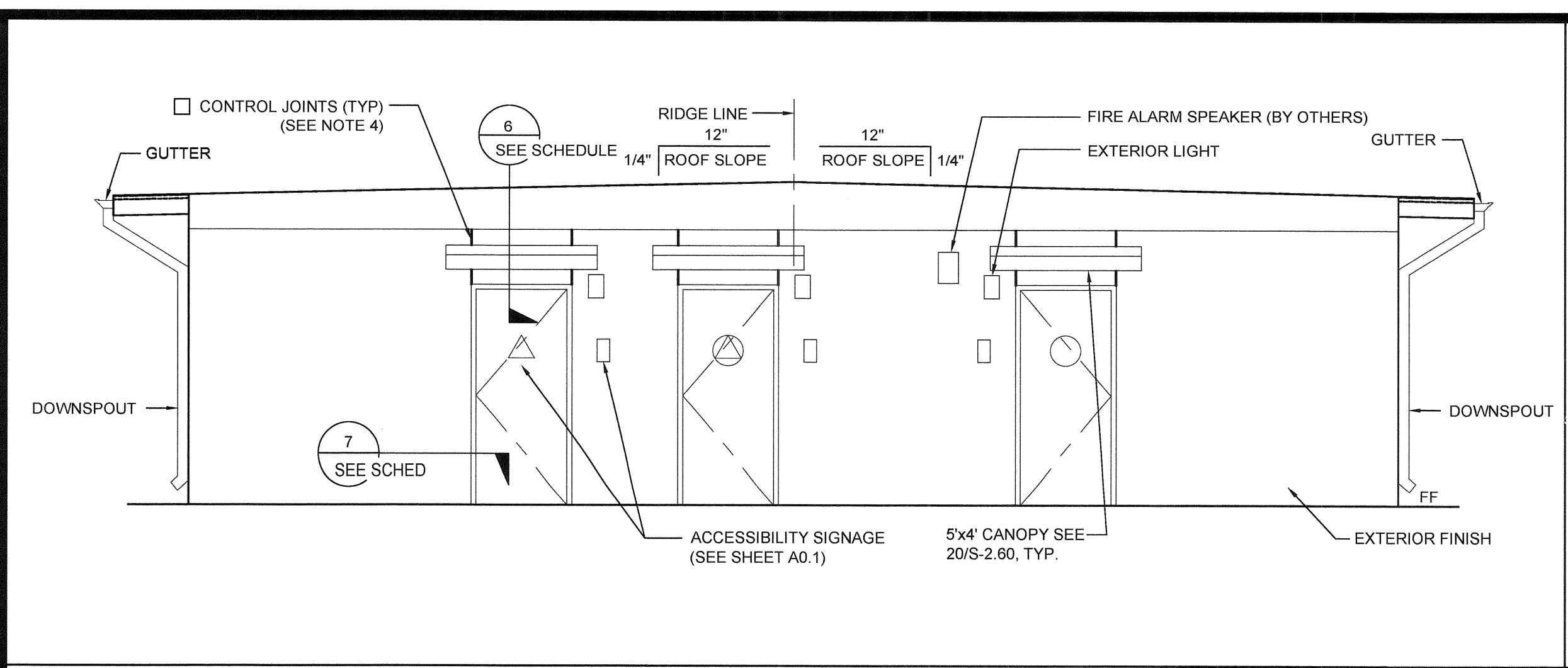
DOWNSPOUT ATTACHMENT SCALE: 3"=1'-0" 20

NOT USED 15

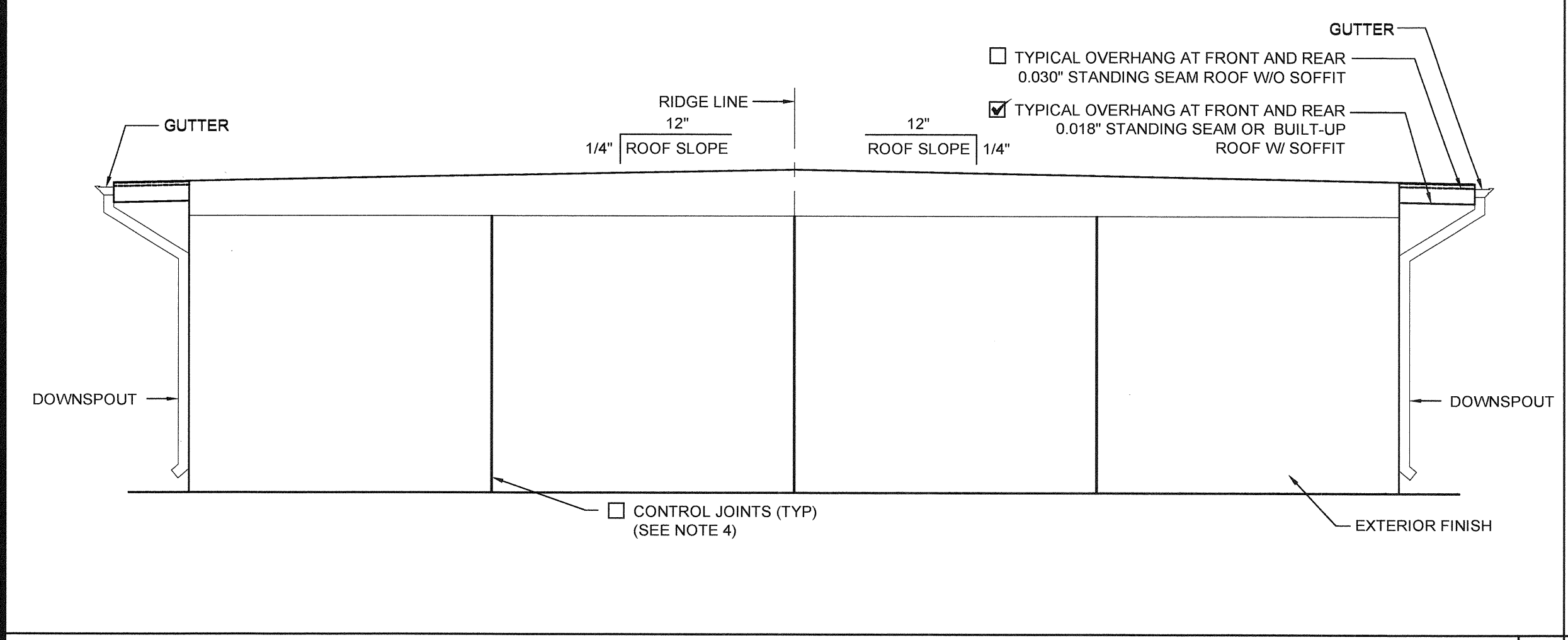
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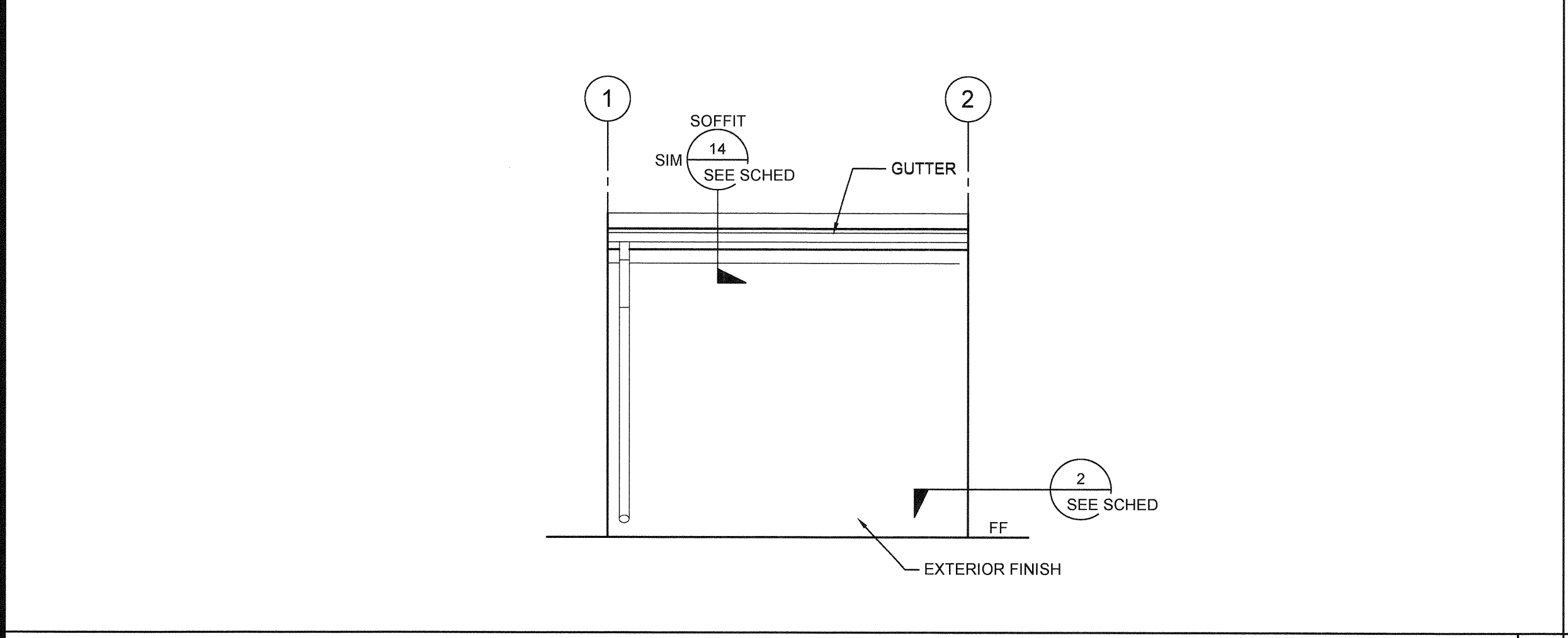
0.018" GUTTER AND STRAP & DOWNSPOUT SCALE: 3"=1'-0" 5



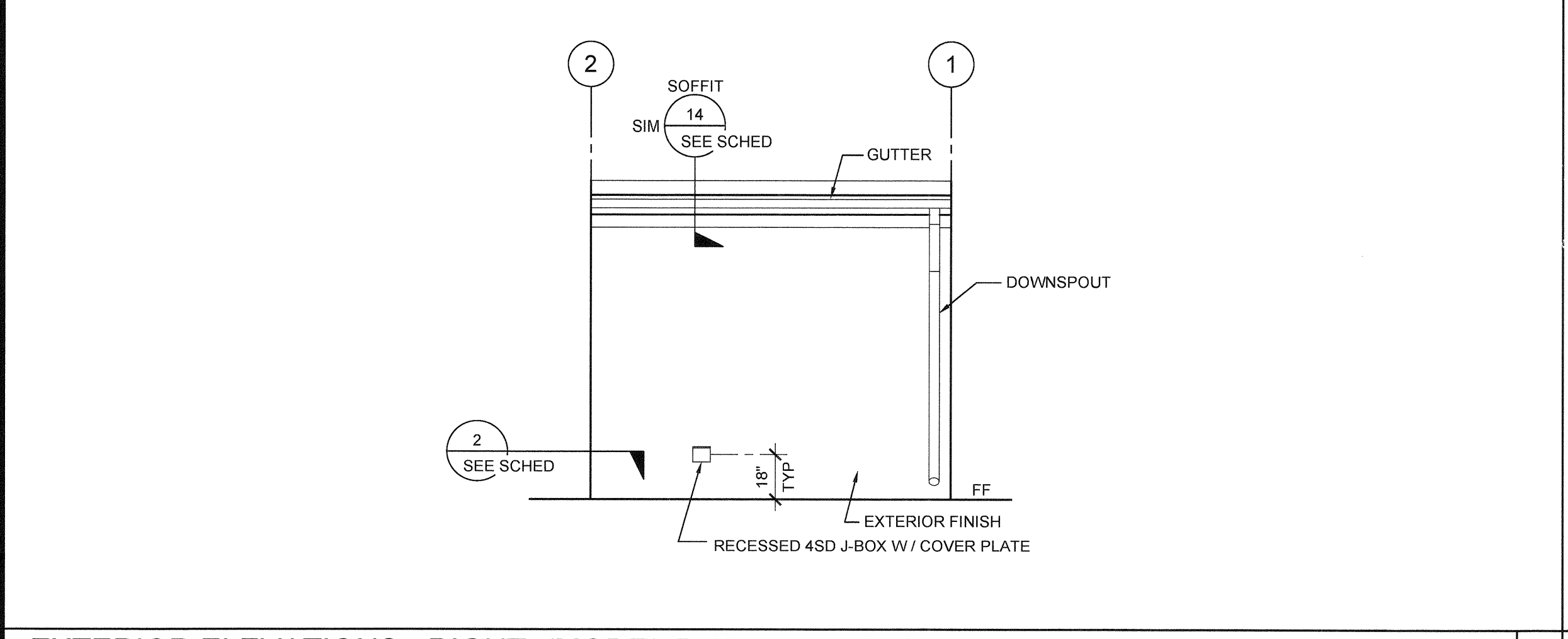
EXTERIOR ELEVATIONS - FRONT (MODEL B-2) - DUAL SLOPE SCALE: 1/4" = 1'-0" 5



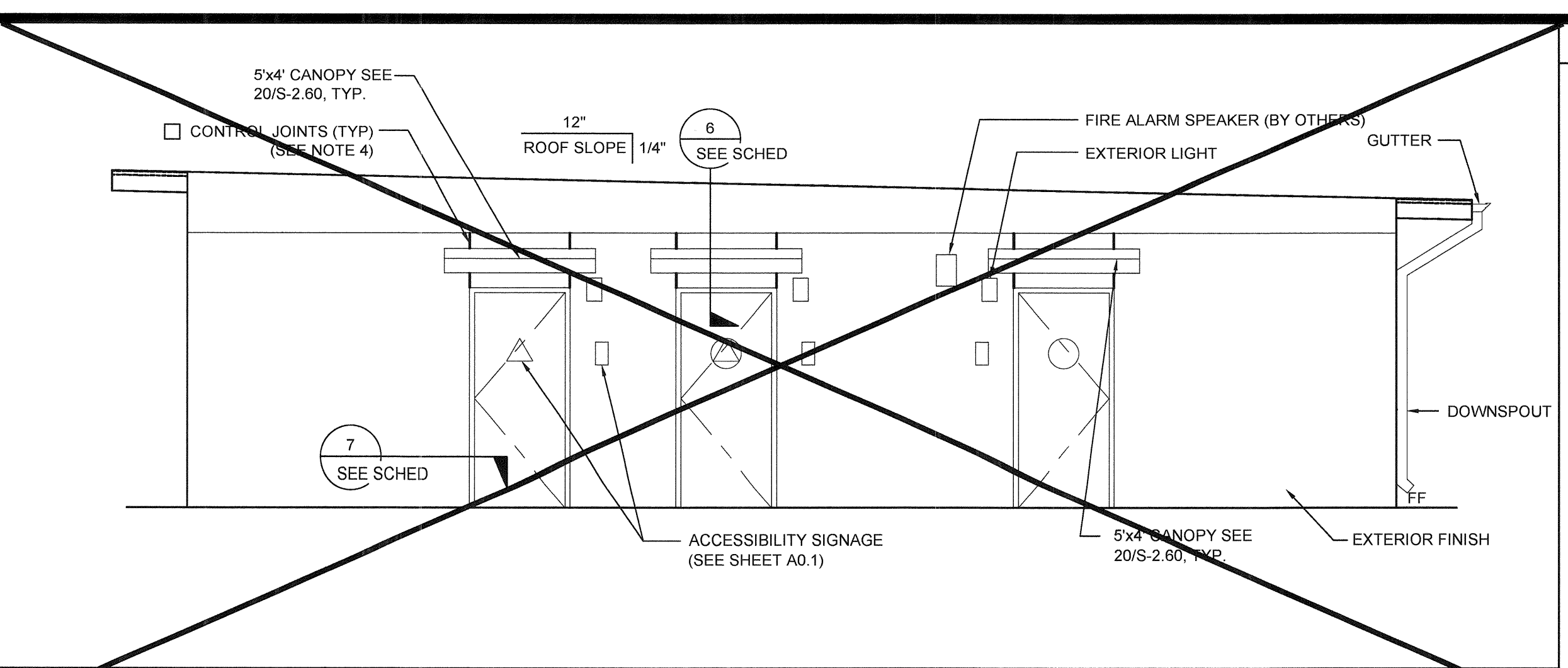
EXTERIOR ELEVATIONS - REAR (MODEL B-2) - DUAL SLOPE SCALE: 1/4" = 1'-0" 6



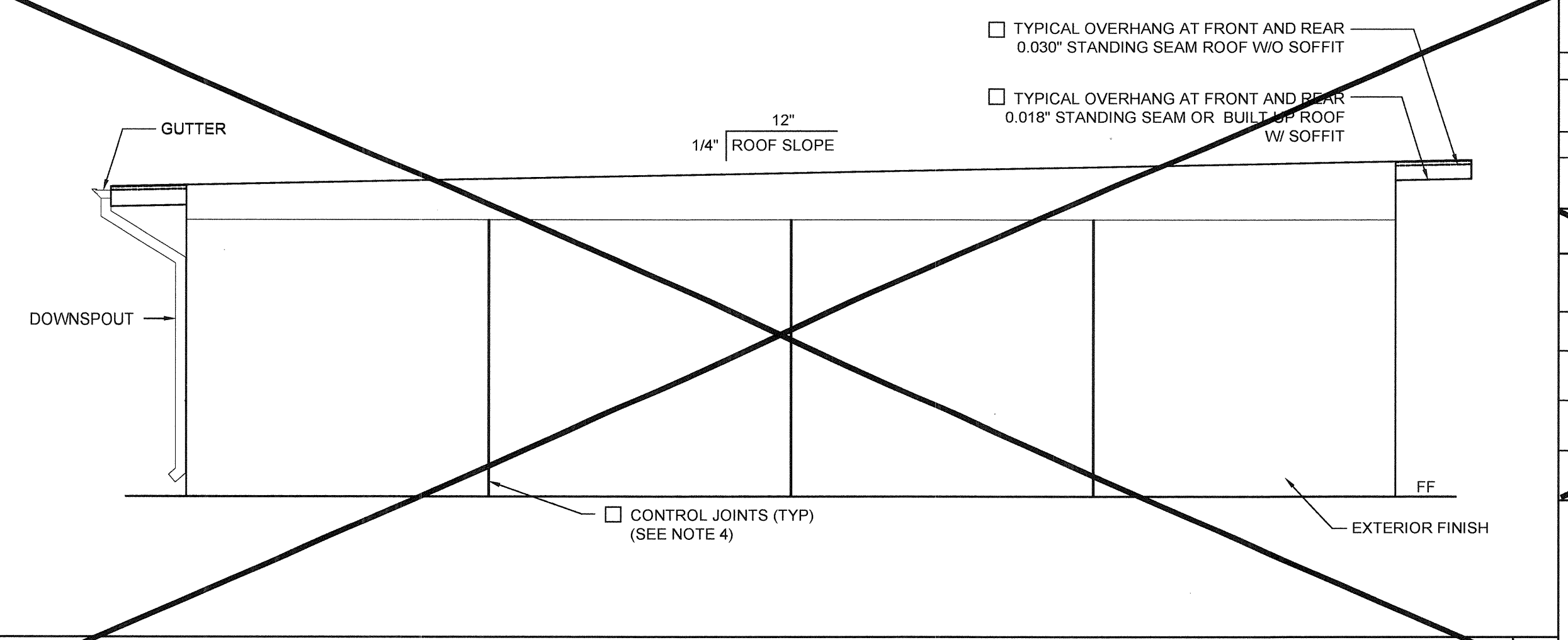
EXTERIOR ELEVATIONS - LEFT (MODEL B-2) - DUAL SLOPE SCALE: 1/4" = 1'-0" 7



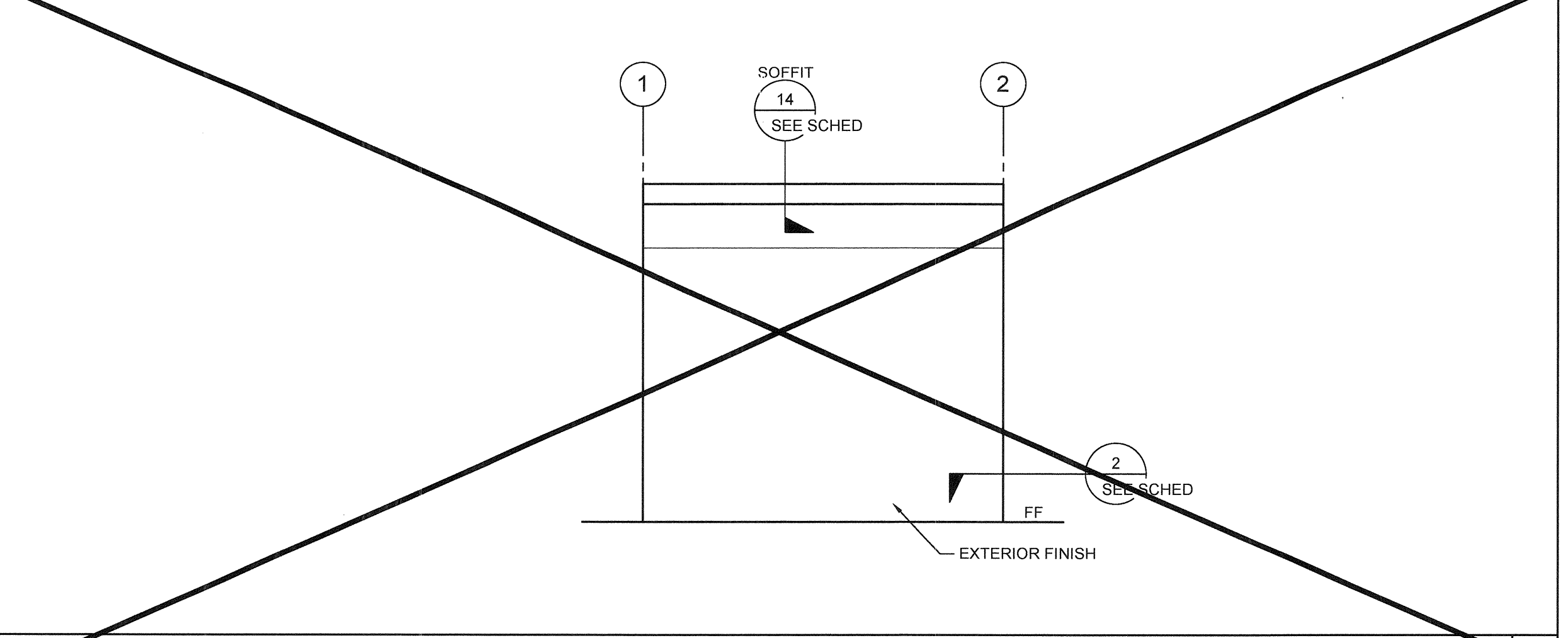
EXTERIOR ELEVATIONS - RIGHT (MODEL B-2) - DUAL SLOPE SCALE: 1/4" = 1'-0" 8



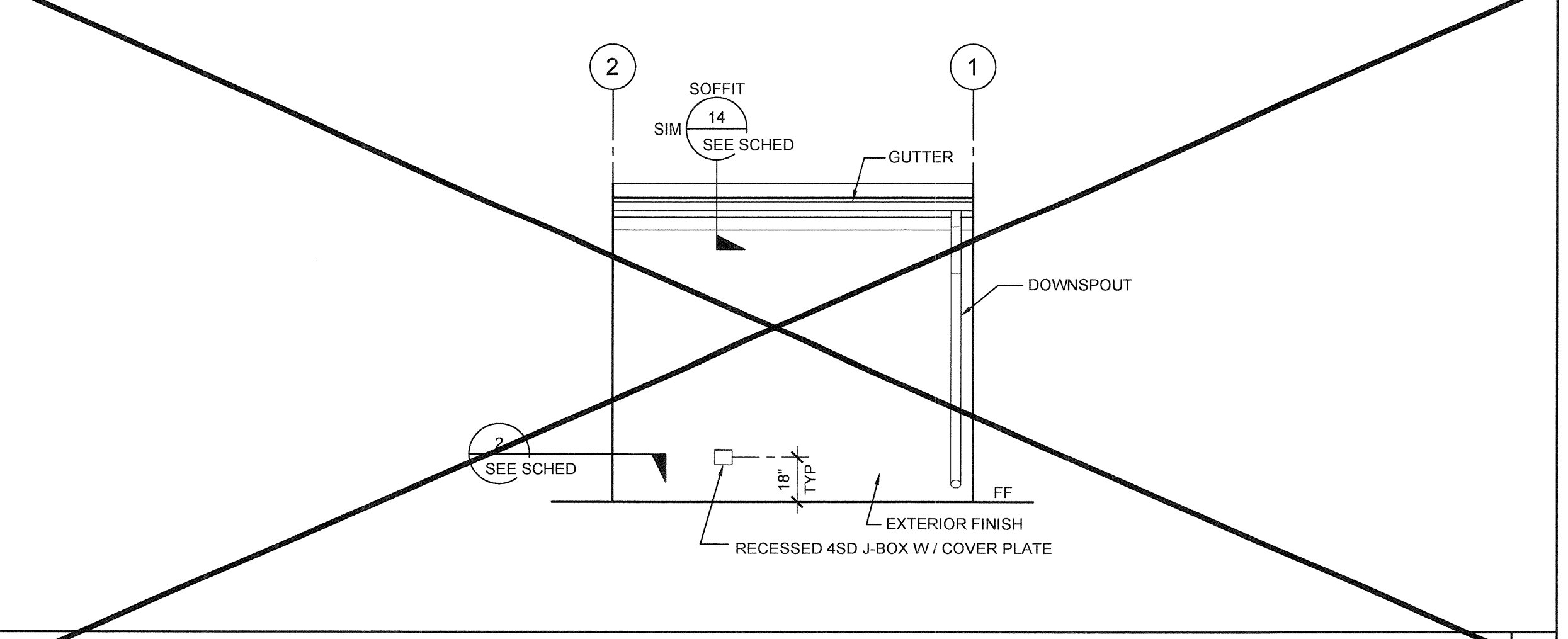
EXTERIOR ELEVATIONS - FRONT (MODEL B-2) - MONO SLOPE SCALE: 1/4" = 1'-0" 1



EXTERIOR ELEVATIONS - REAR (MODEL B-2) - MONO SLOPE SCALE: 1/4" = 1'-0" 2



EXTERIOR ELEVATIONS - LEFT (MODEL B-2) - MONO SLOPE SCALE: 1/4" = 1'-0" 3



EXTERIOR ELEVATIONS - RIGHT (MODEL B-2) - MONO SLOPE SCALE: 1/4" = 1'-0" 4

NOTES (EXTERIOR ELEVATION)

1. 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
2. RAMP (WHERE OCCURS), NOT SHOWN FOR CLARITY.
3. 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)
4. FOR PLASTER ONLY, PROVIDE CONTROL JOINT AT EACH MODULINE, 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.
5. EXTERIOR PROJECTIONS SHALL COMPLY W/ SECTION 705 AND 1406, 2016 CBC
6. PROVIDE AN OFFSET RAMP (PER SHEET R-1.02) WHEN A RAMP IS REQUIRED ADJACENT TO A STUCCO WALL

DETAIL SCHEDULE

FINISH:	SHEET #:
<input checked="" 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 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

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

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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:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**EXTERIOR ELEVATION
12' X 40' - MODEL B-2
MONO / DUAL SLOPE**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE: 09/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

P.C. SHEET NUMBER
A-4.04

DETAIL SCHEDULE

FINISH:	SHEET #:
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<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 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 checked="" type="checkbox"/> WOOD FLOOR
<input 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

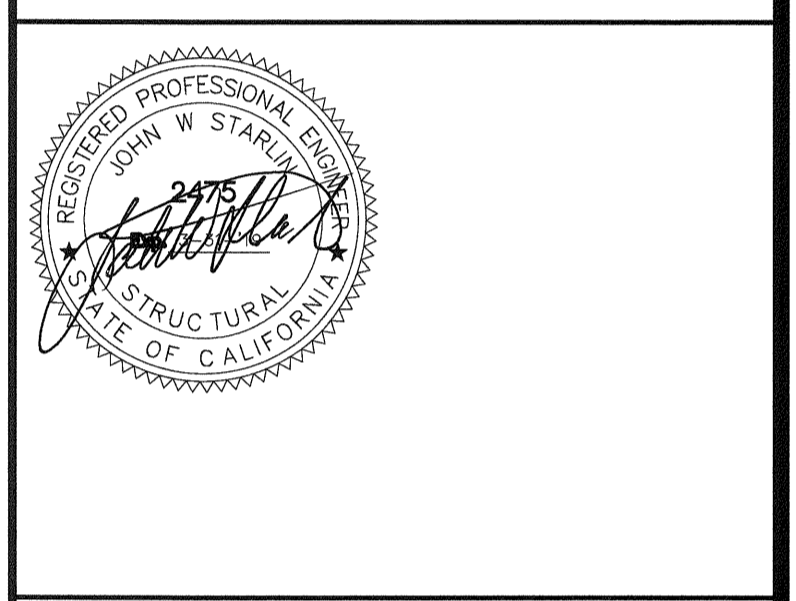
Building for the Next Generation
 2830 BARRETT AVE PERRIS, CALIFORNIA 92571
 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**LIBERTY UHSD
 LIBERTY HIGH SCHOOL
 (1) 12' x 40' TOILET BLDG**

SHEET TITLE:

**CROSS SECTION
 DUAL SLOPE
 .018 OR TPO ROOF**



ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	FILE NUMBER: 33-SILVER
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	AC_RM_FLS_DS_SSR_KER
	DATE: 09/22/2018

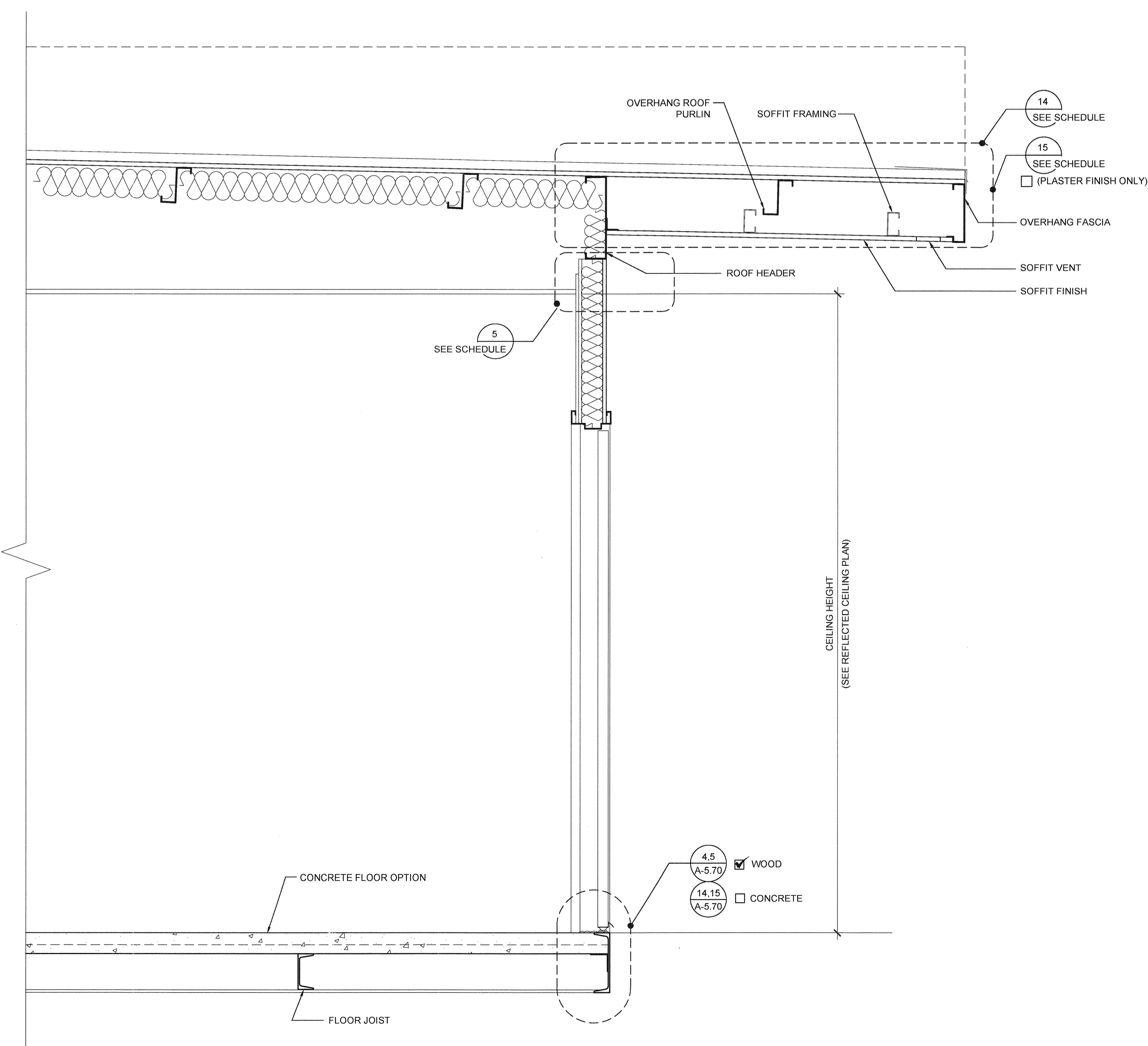
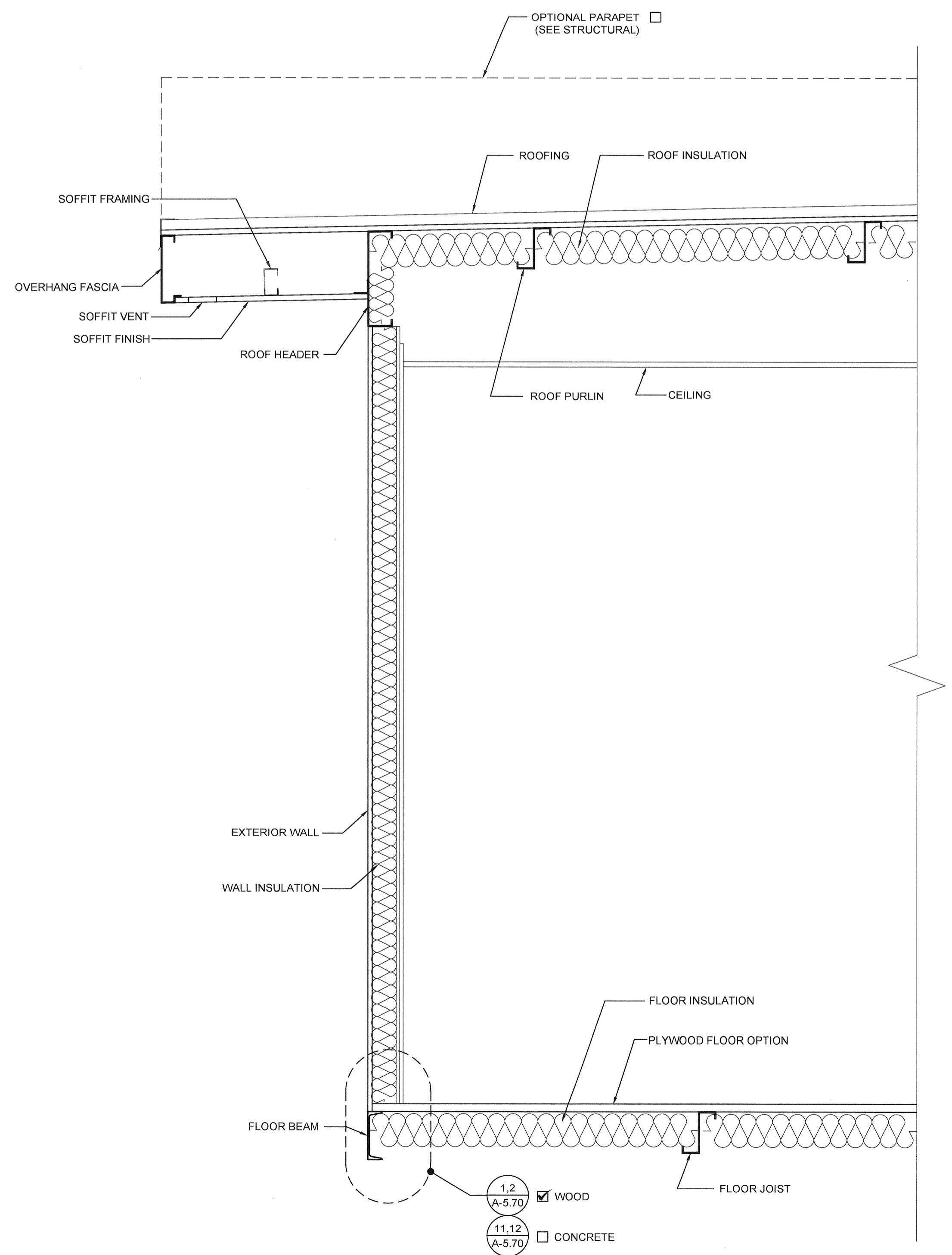
REVISIONS

NO.	DESCRIPTION

SILVER CREEK INDUSTRIES
 12' x 40' PC
 PROJECT NO: 11183
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 10-12-2017

P.C. SHEET NUMBER

A-5.02



BUILDING SECTION

SCALE: 1" = 1'-0" 1

DETAIL SCHEDULE

FINISH:	SHEET #:
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<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-5.80
<input type="checkbox"/> PLASTER OVER 1/2" OSB OR 1/2" CDX PLY WITH STEEL STUDS	A-5.81

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 checked="" type="checkbox"/> WOOD FLOOR
<input 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.
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 PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**LIBERTY UHSD
 LIBERTY HIGH SCHOOL
 (1) 12' x 40' TOILET BLDG**

SHEET TITLE:

CROSS SECTION



ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

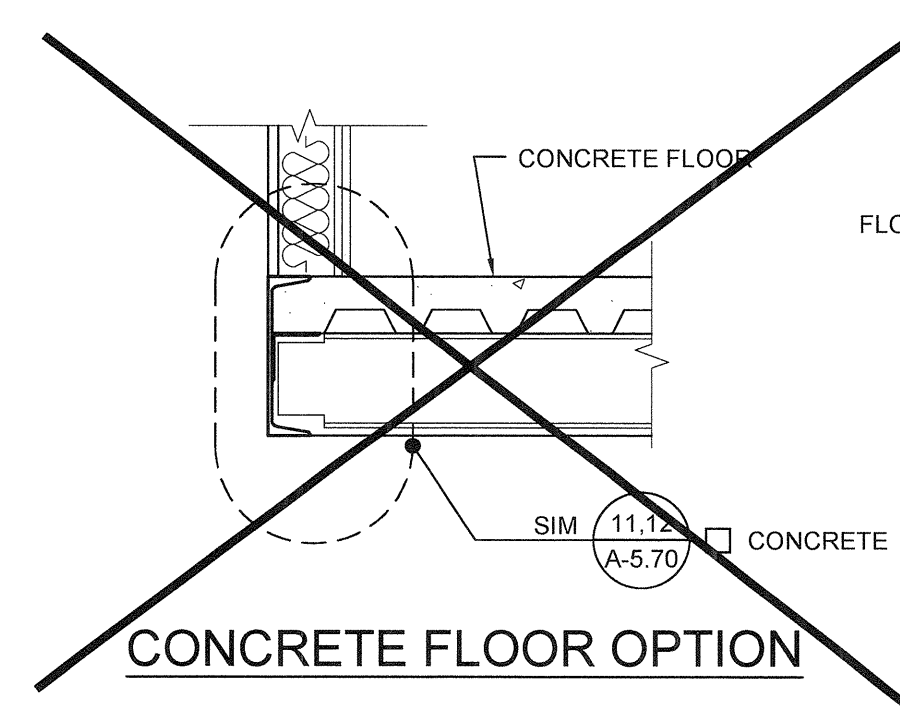
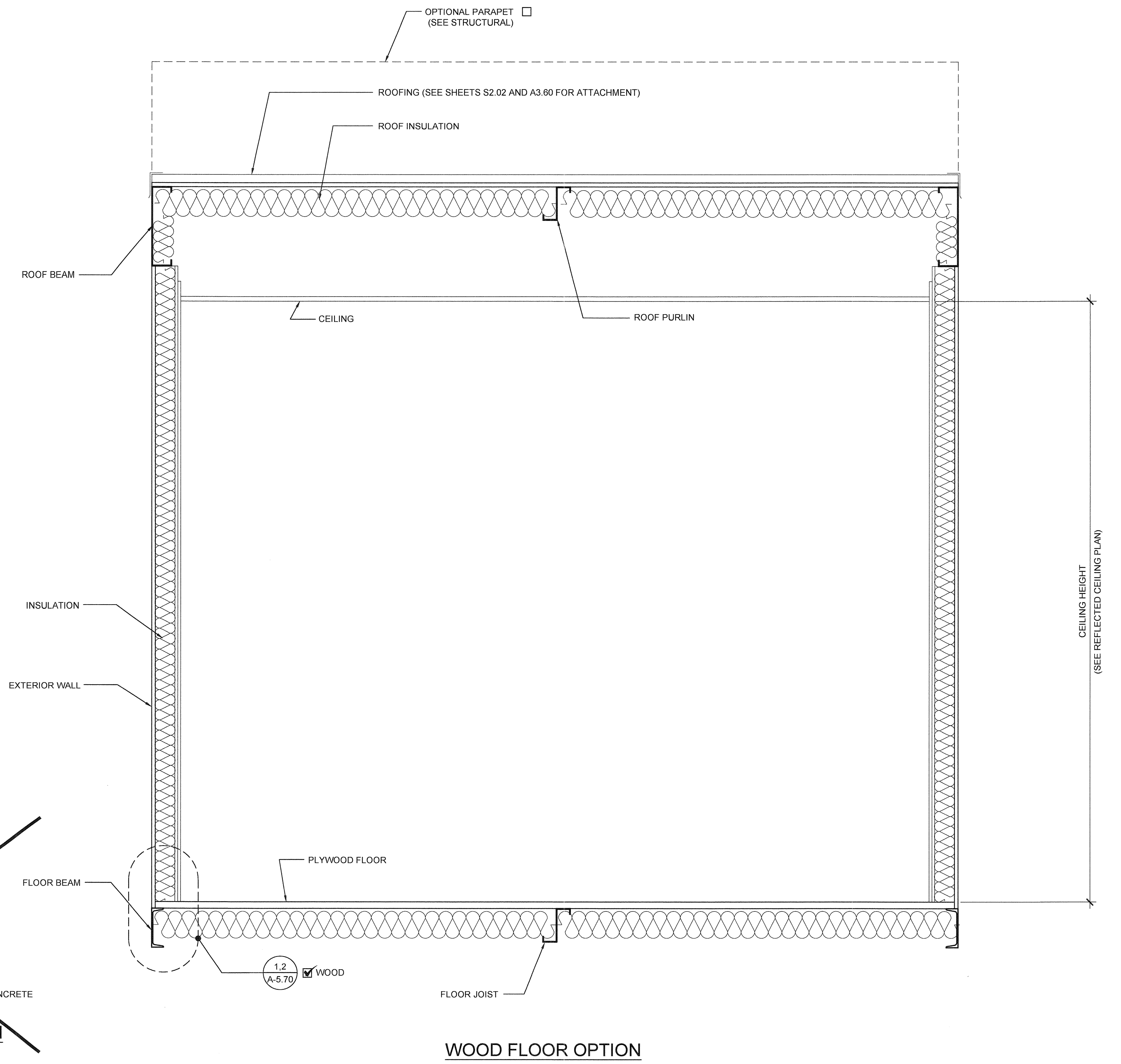
PRE-CHECK (PC) DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.	FILE NUMBER: 33-SILVER
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	AC_RM_FLS_DS_SSR KER
	DATE 08/22/2018

REVISIONS

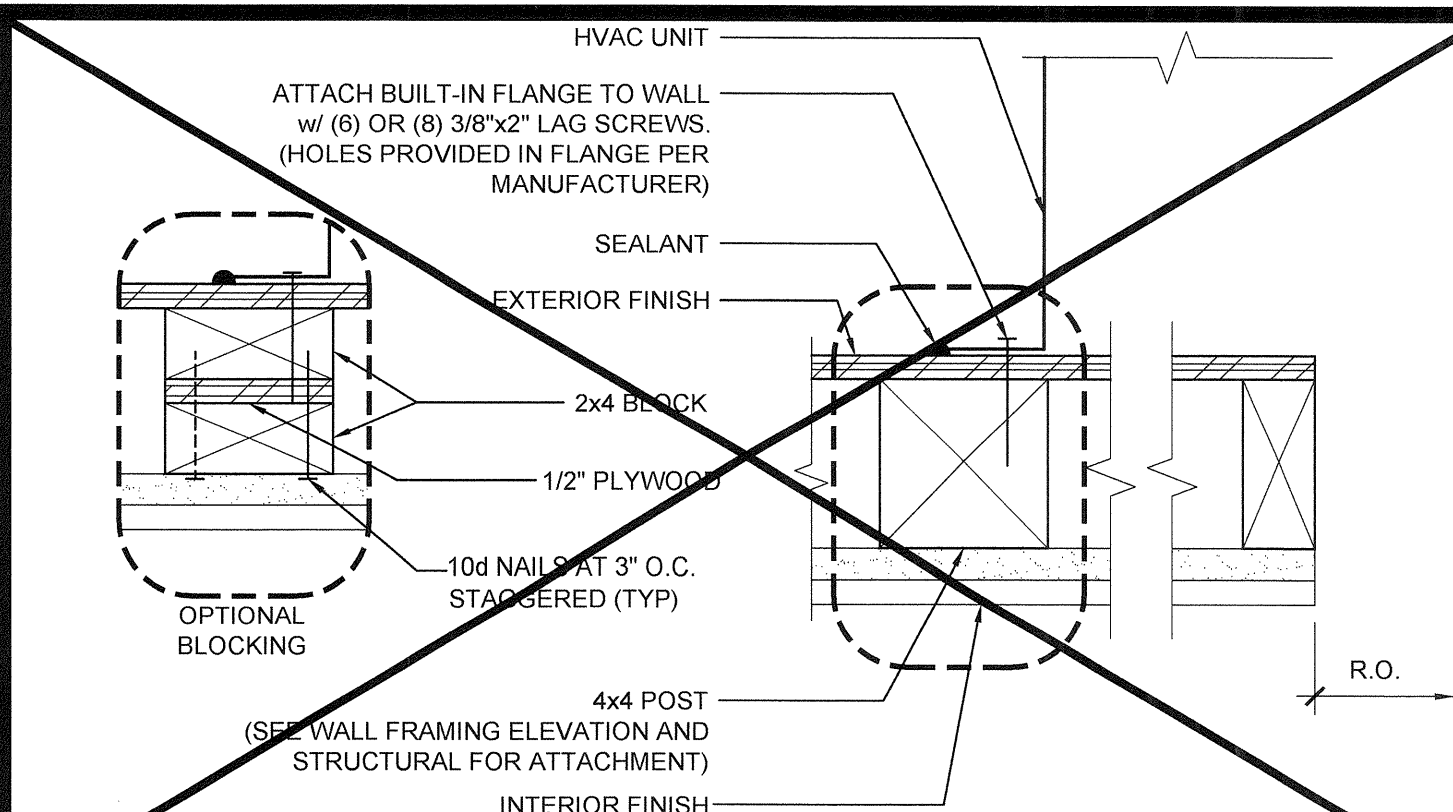
SILVER CREEK INDUSTRIES
 12' x 40' PC
 PROJECT NO: 11183
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 10-12-2017

P.C. SHEET NUMBER

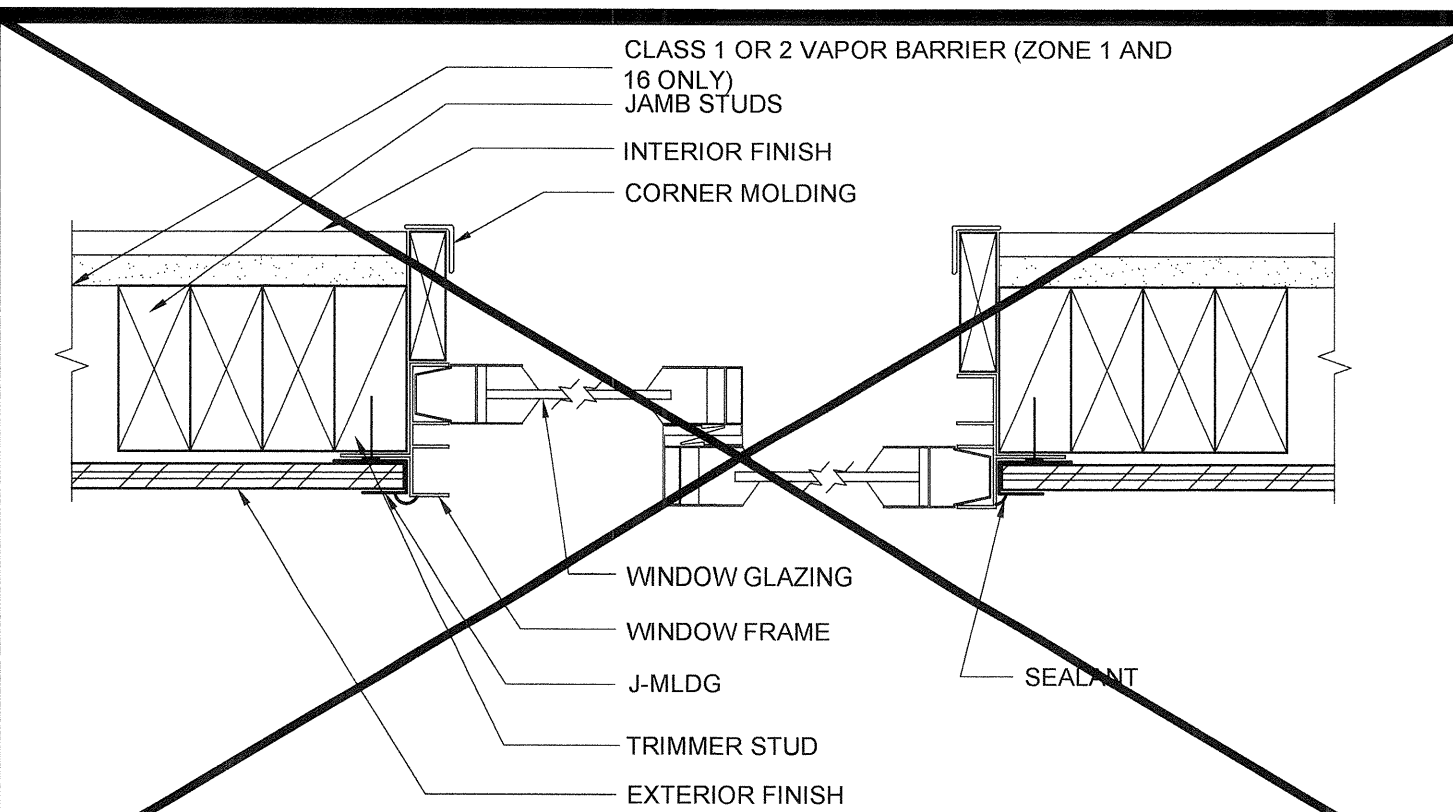
A-5.05



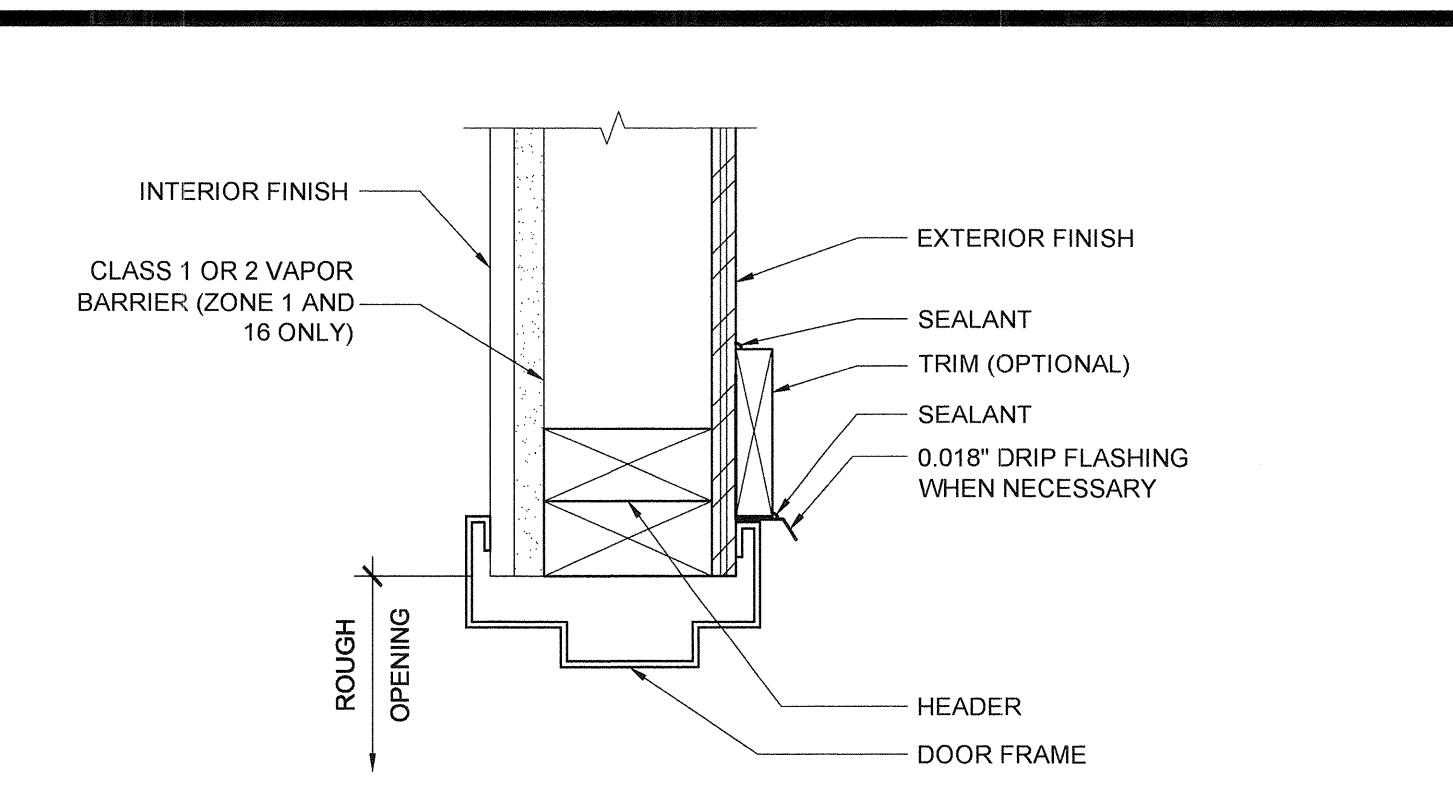
BUILDING SECTION



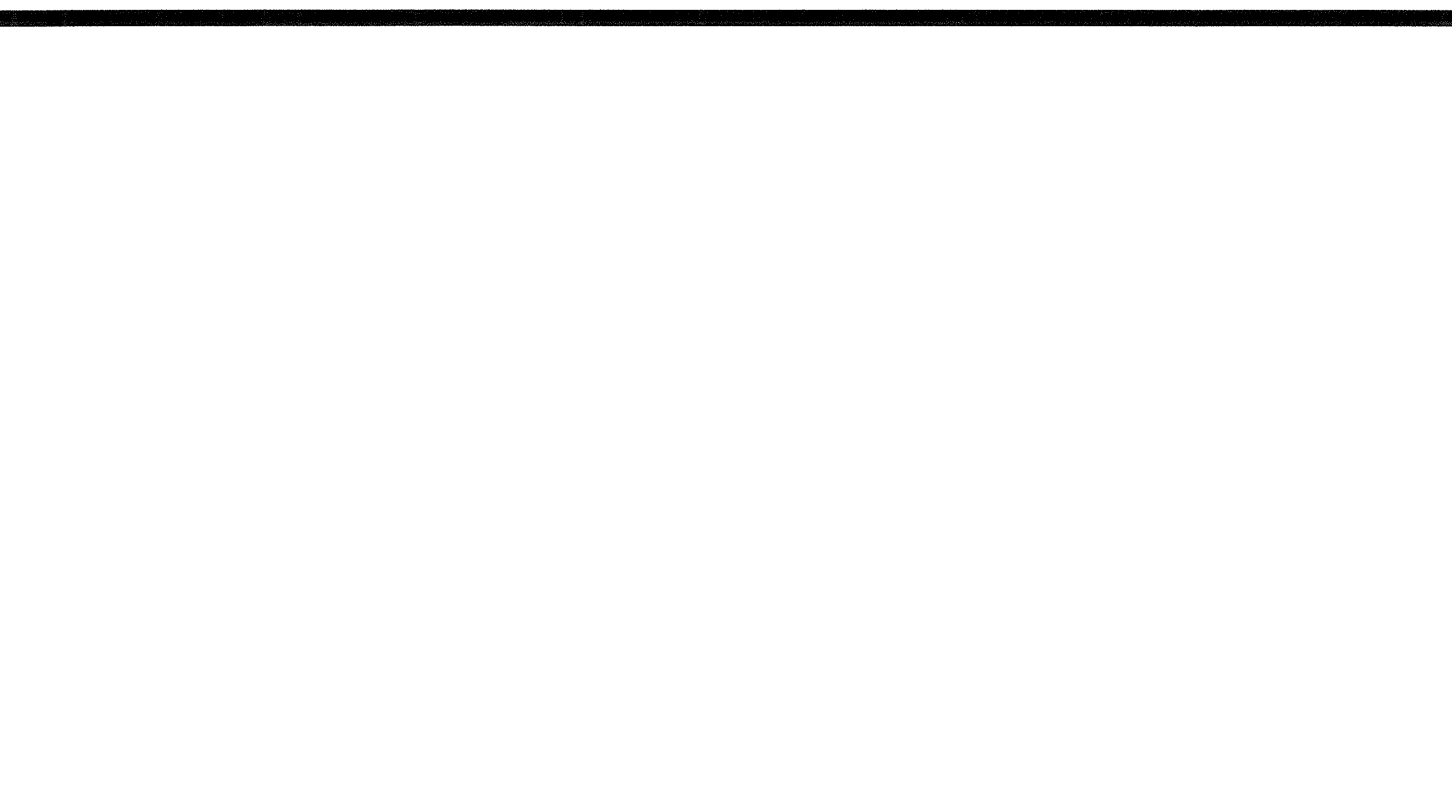
HVAC MOUNT AT JAMBS SCALE: 3"=1'-0" 16



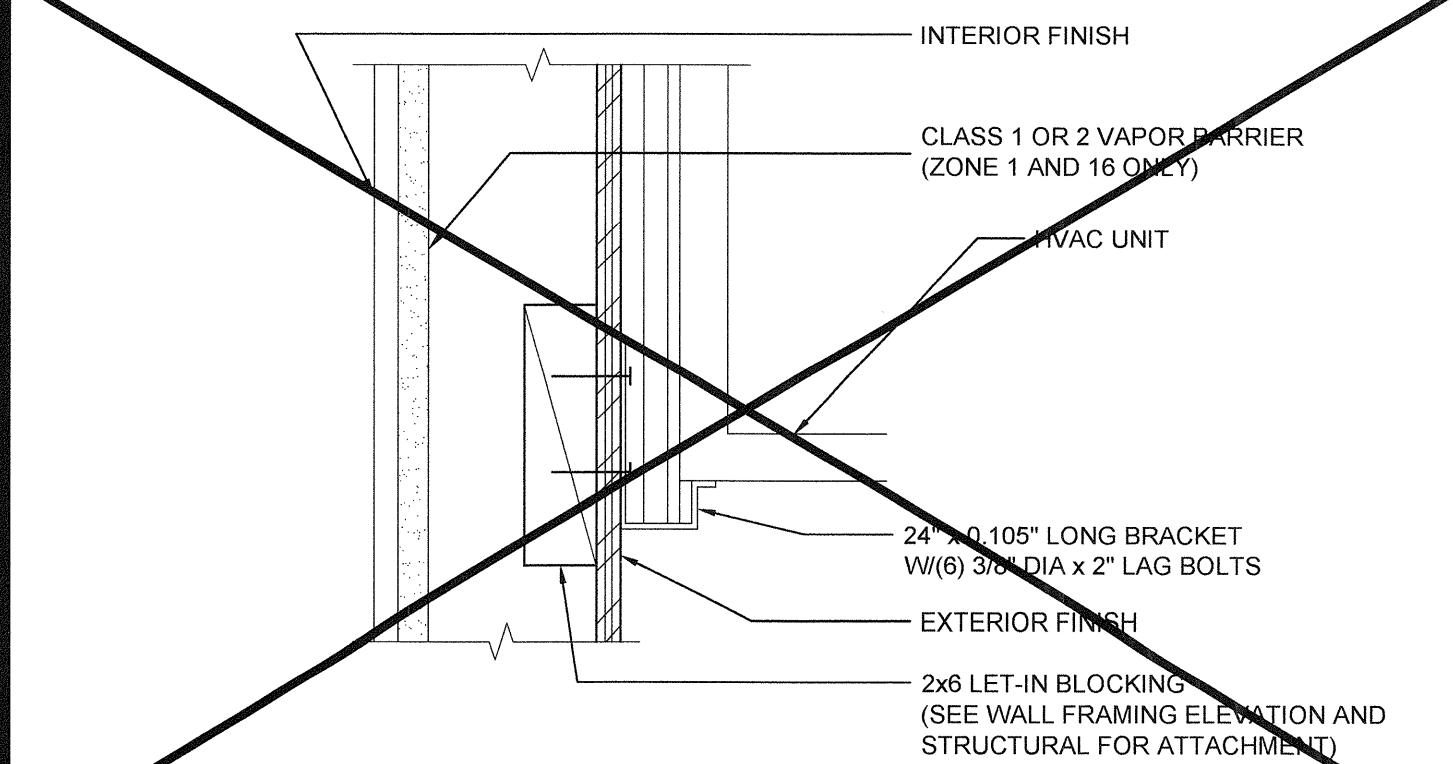
WINDOW SECTION AT JAMBS SCALE: 3"=1'-0" 11



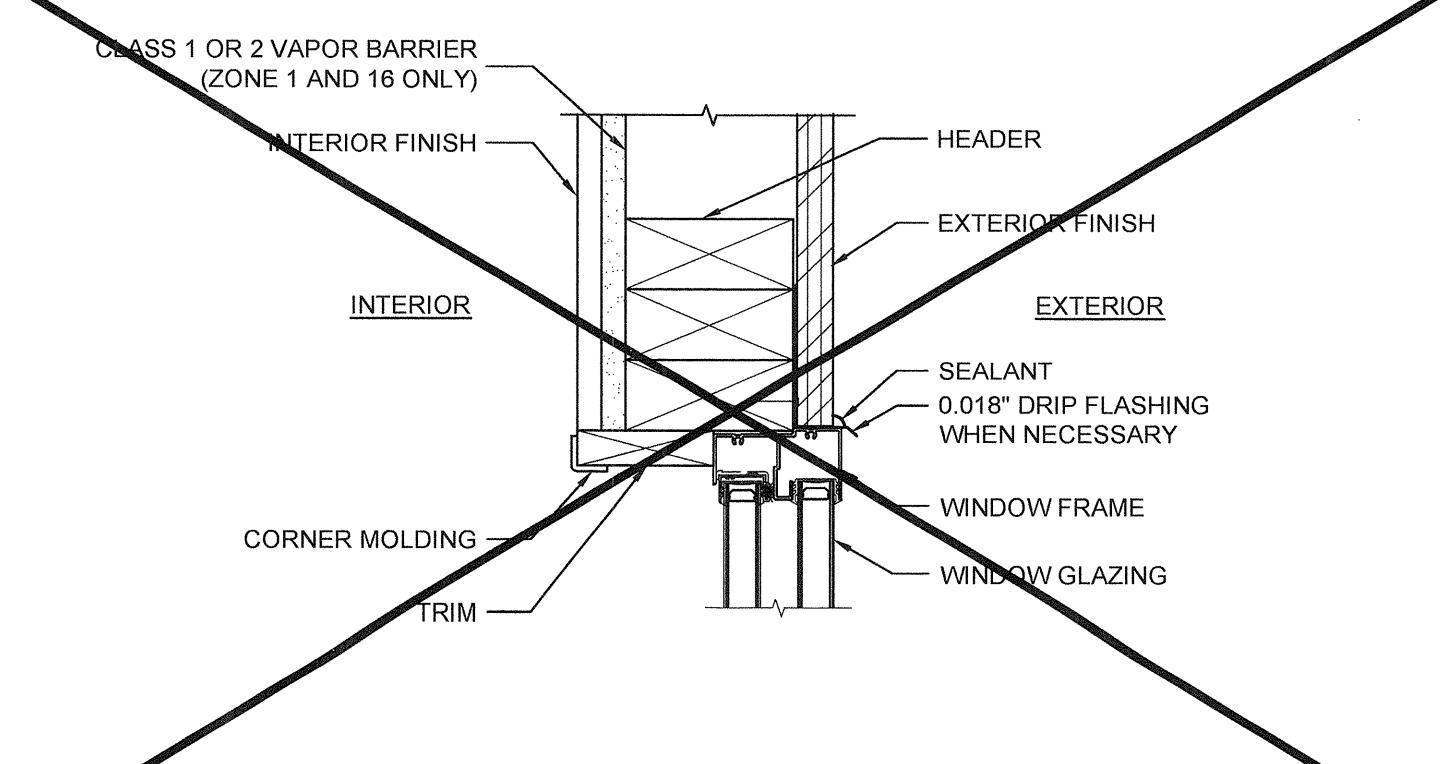
EXTERIOR DOOR HEADER SCALE: 3"=1'-0" 6



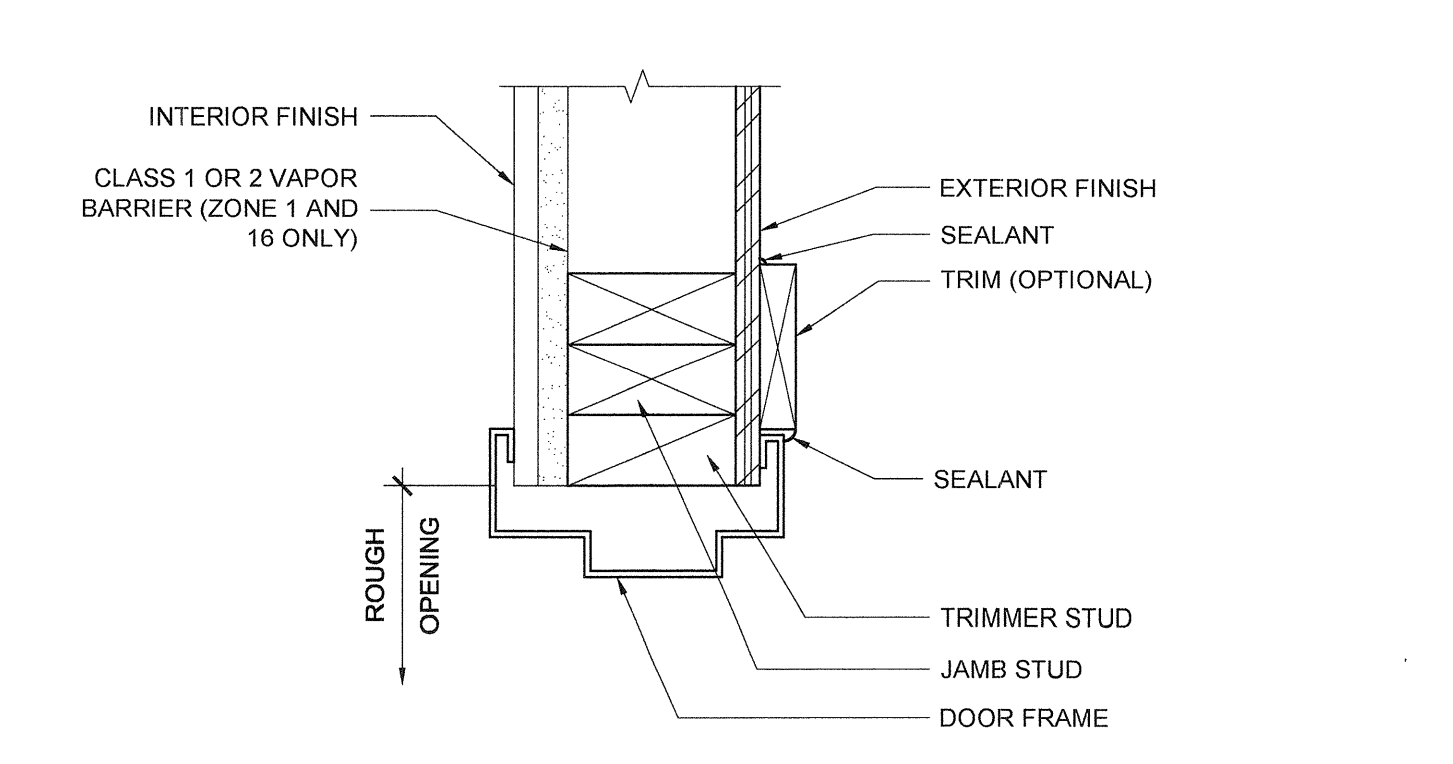
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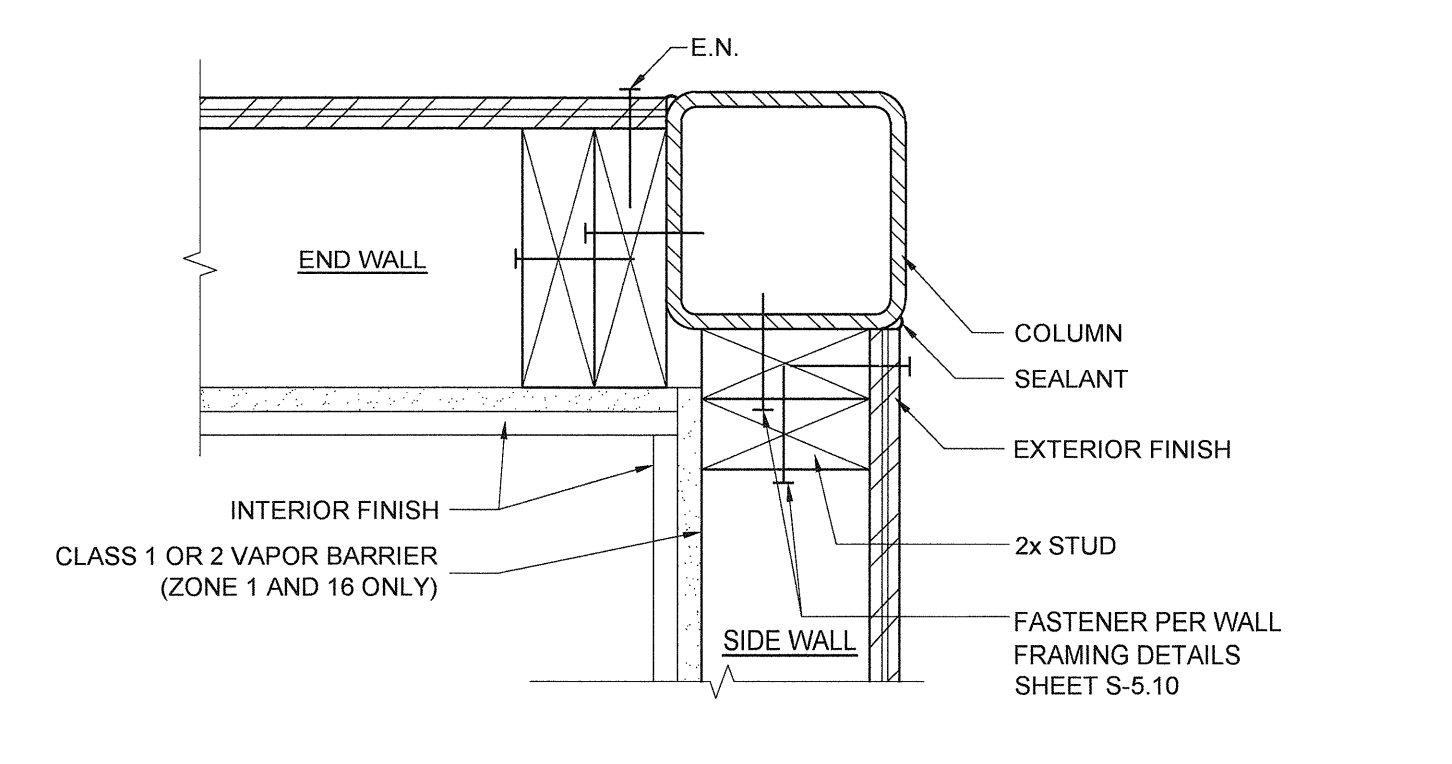
HVAC UNIT AT BOTTOM SCALE: 3"=1'-0" 17



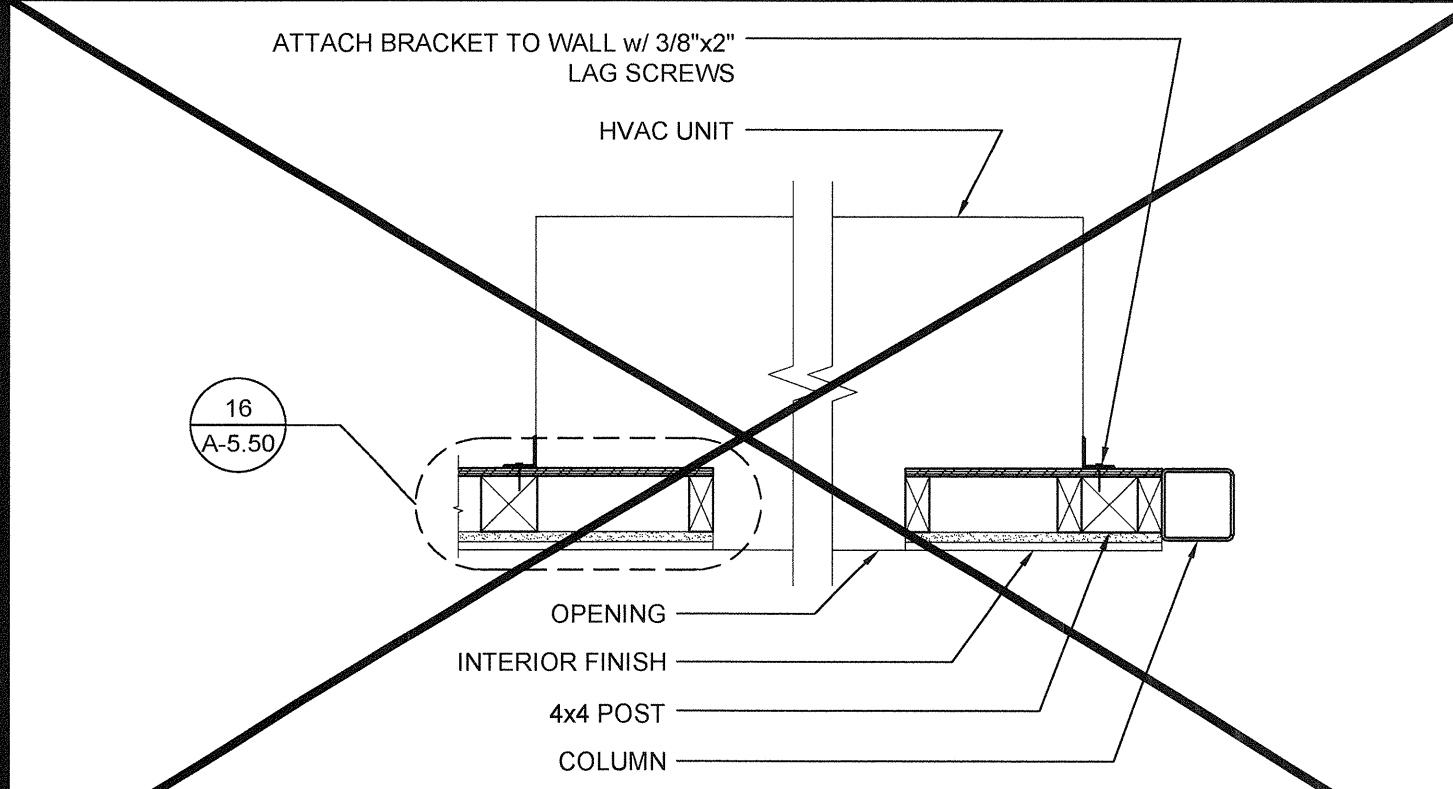
WINDOW HEADER SCALE: 3"=1'-0" 12



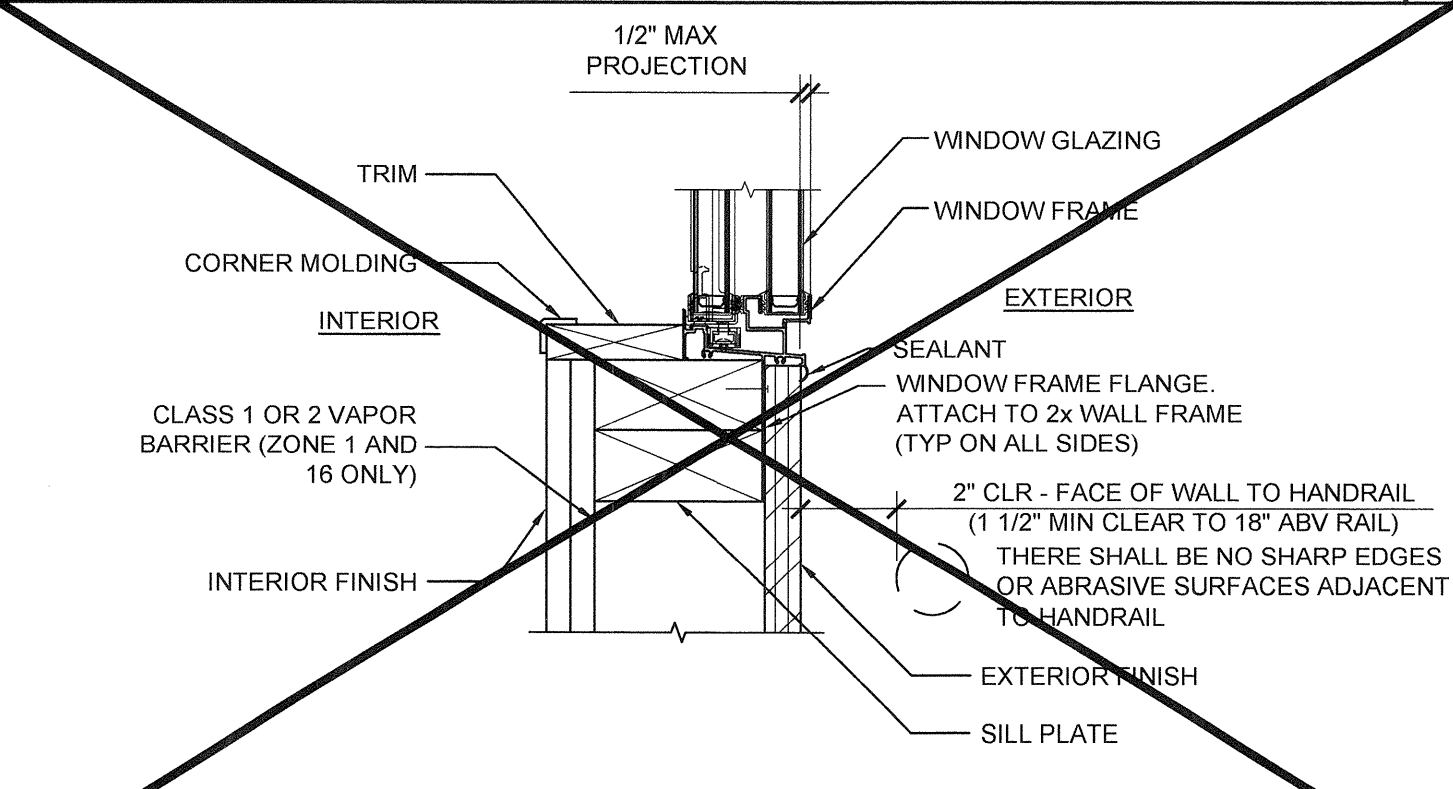
EXTERIOR DOOR JAMB SCALE: 3"=1'-0" 7



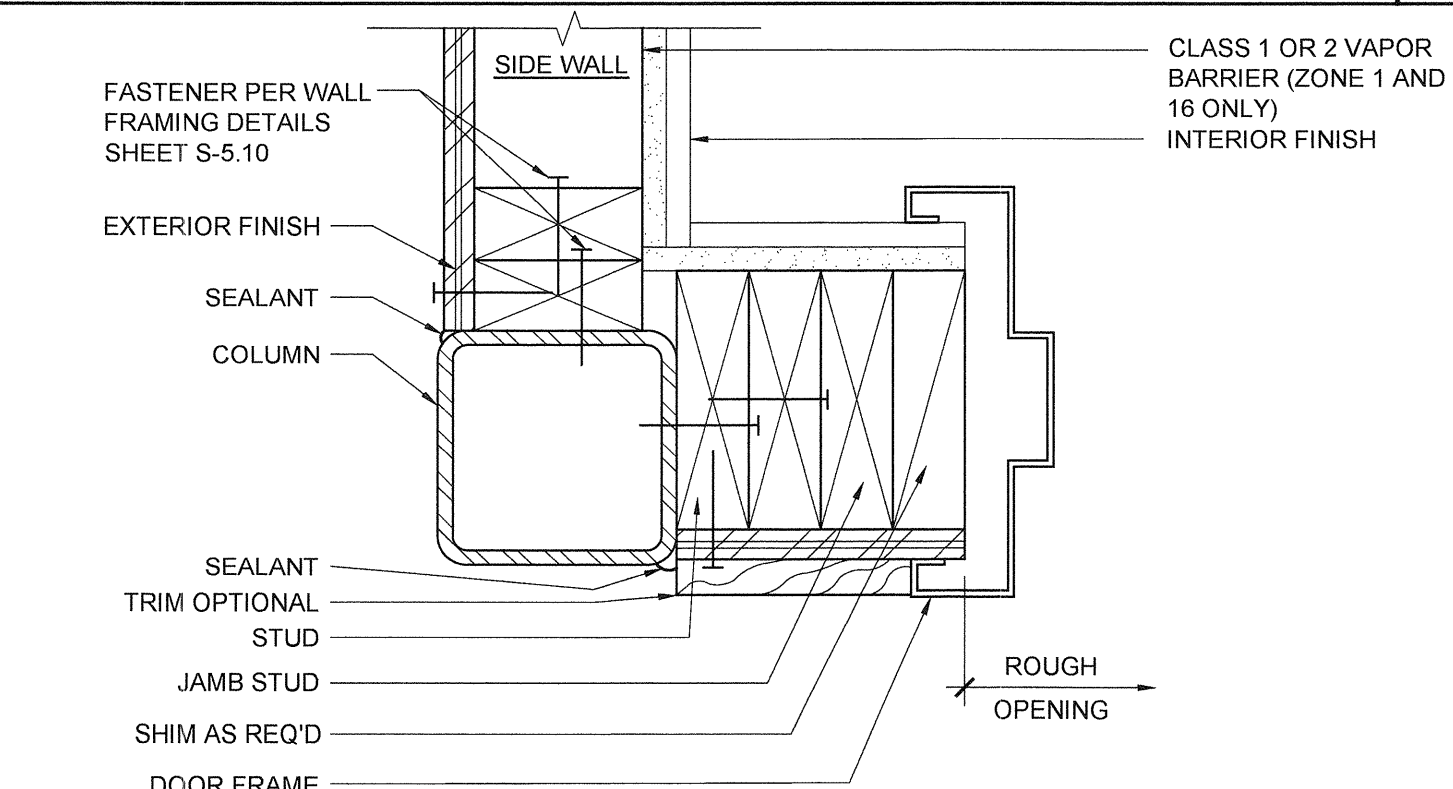
COLUMN AT CORNER SCALE: 3"=1'-0" 2



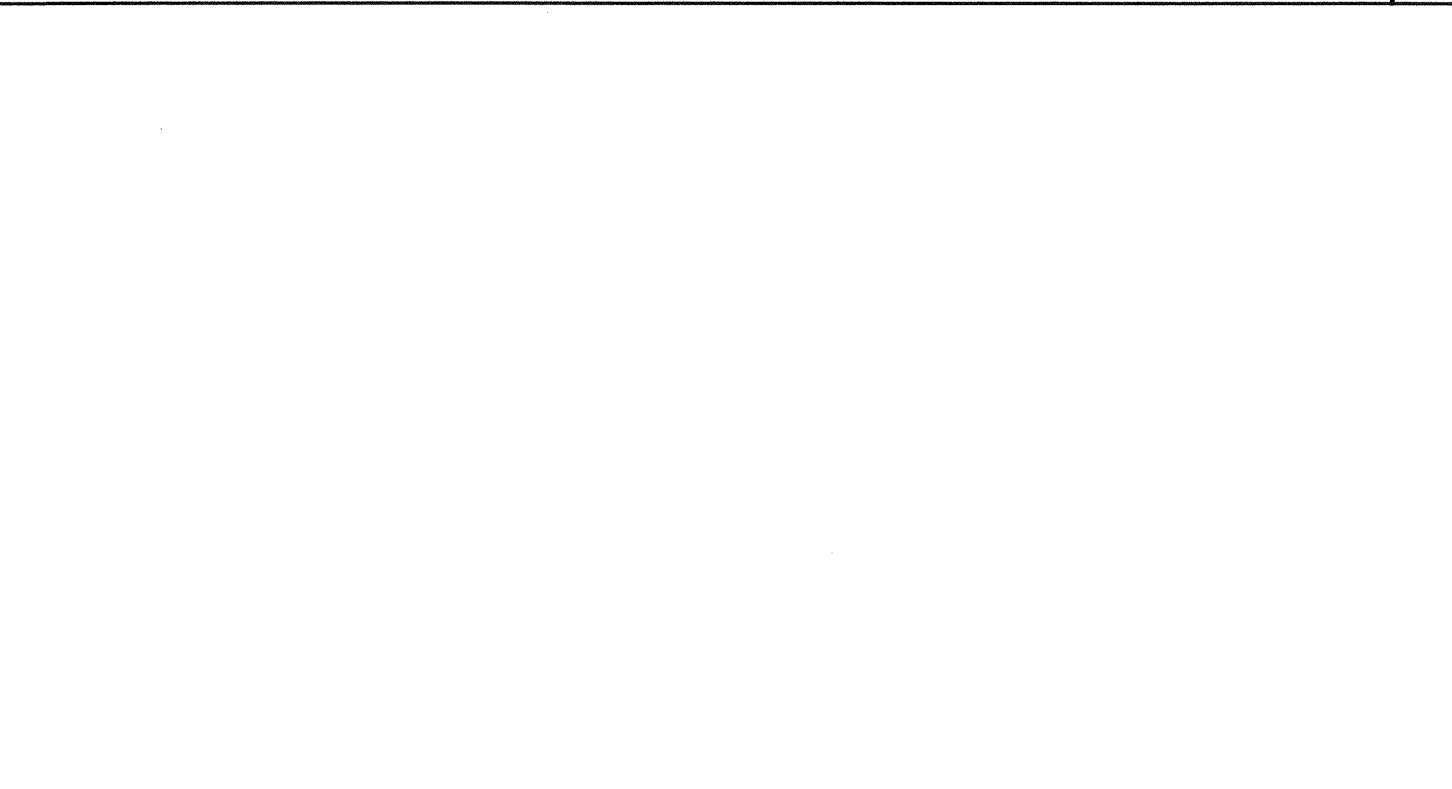
HVAC UNIT (PLAN) SCALE: 1"=1'-0" 18



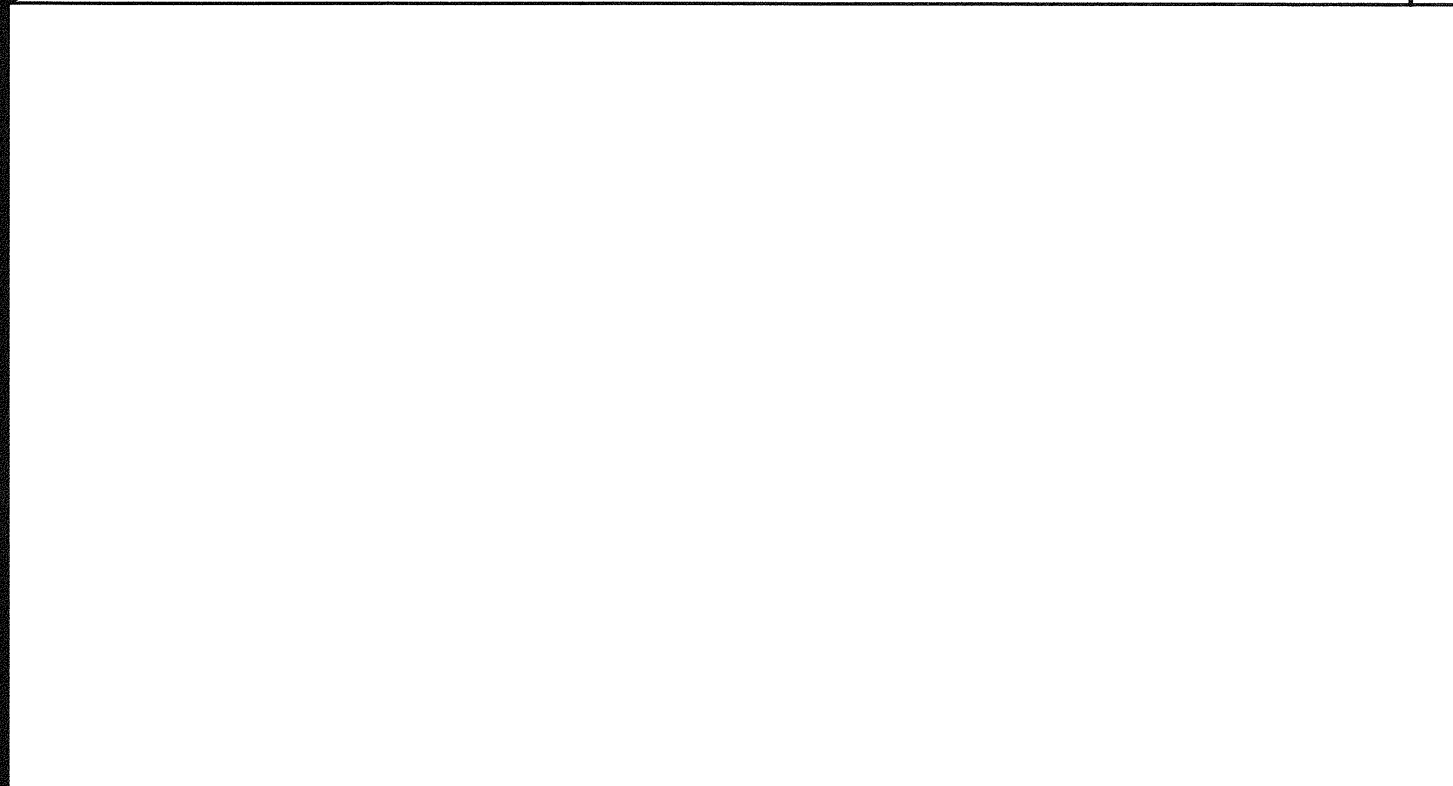
WINDOW SILL SCALE: 3"=1'-0" 13



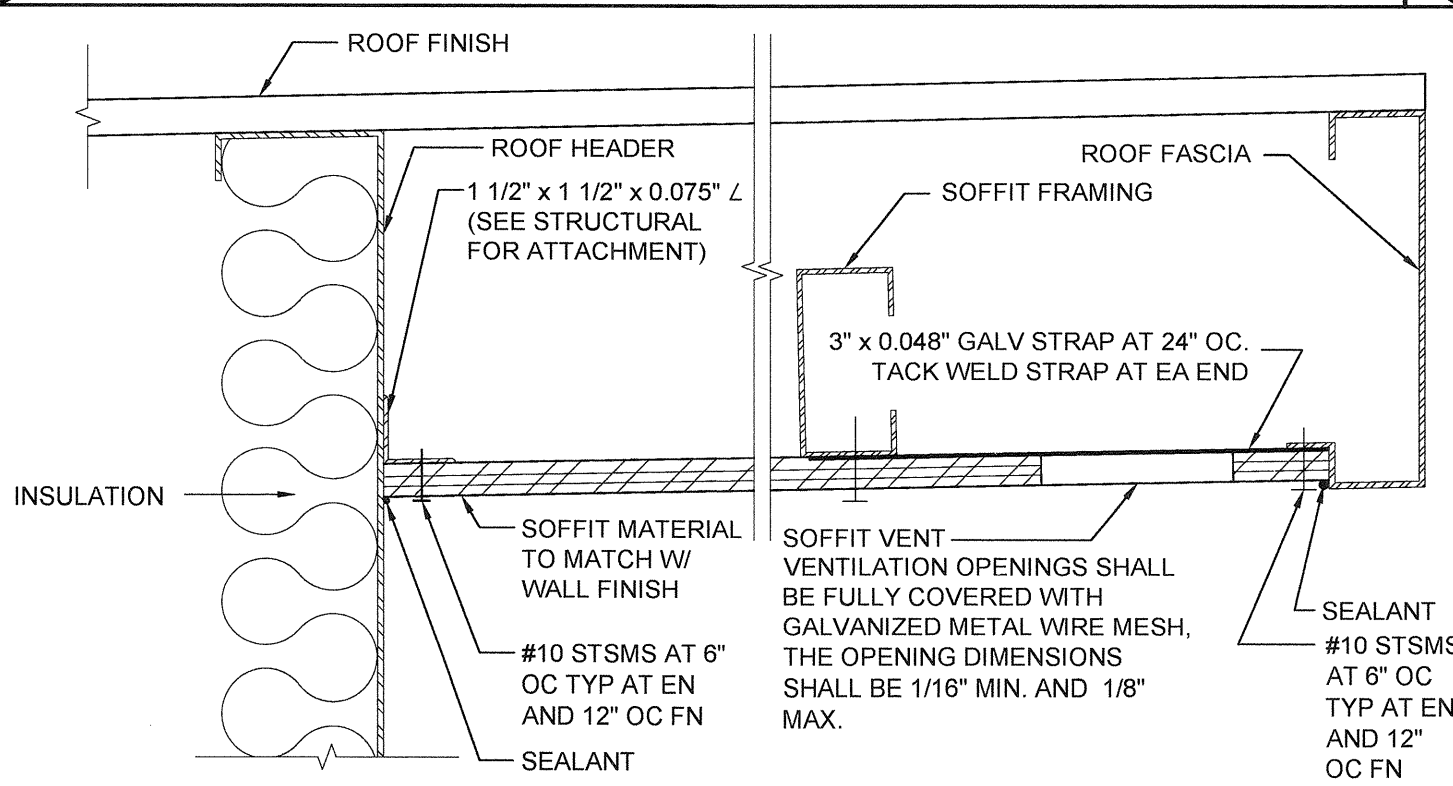
COLUMN AT CORNER SCALE: 3"=1'-0" 8



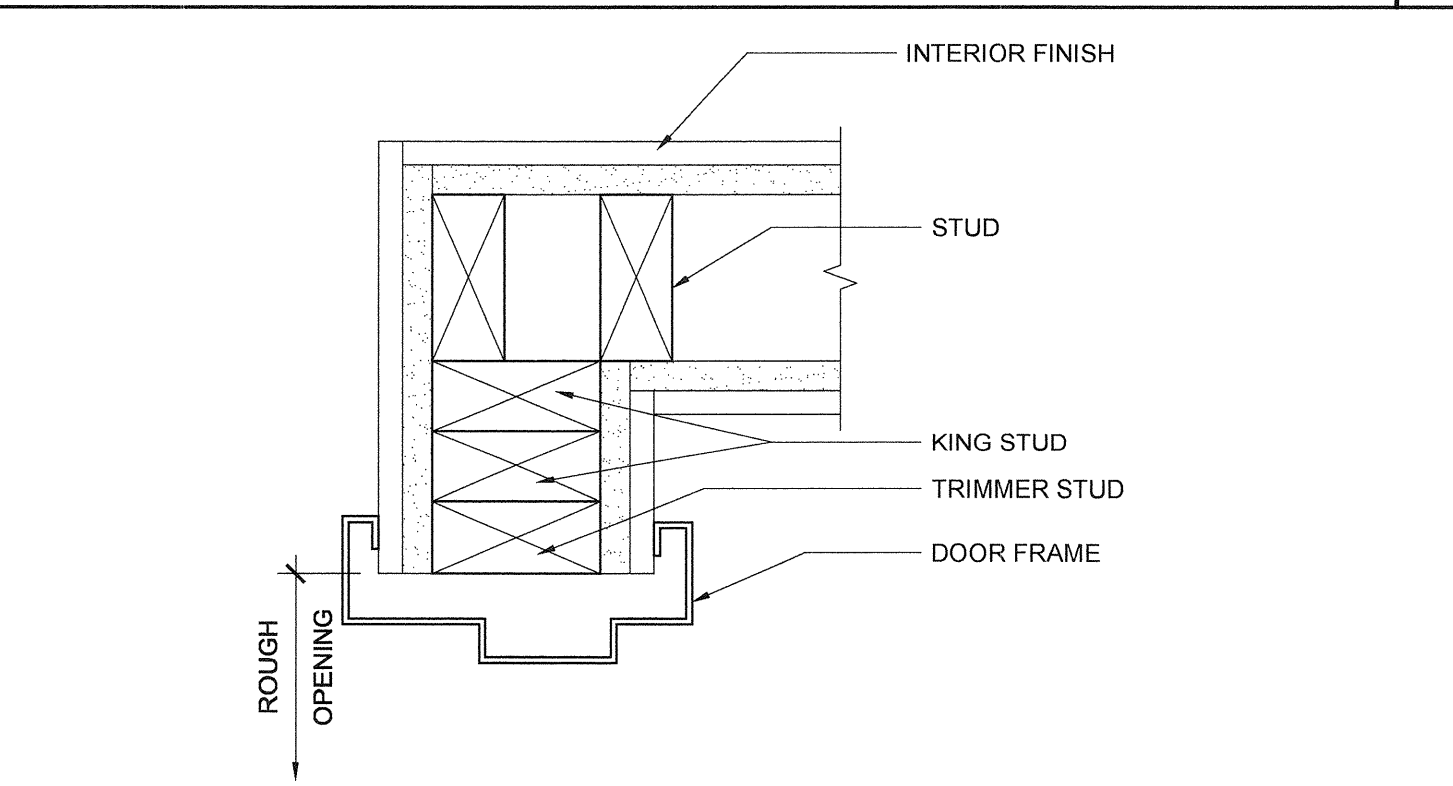
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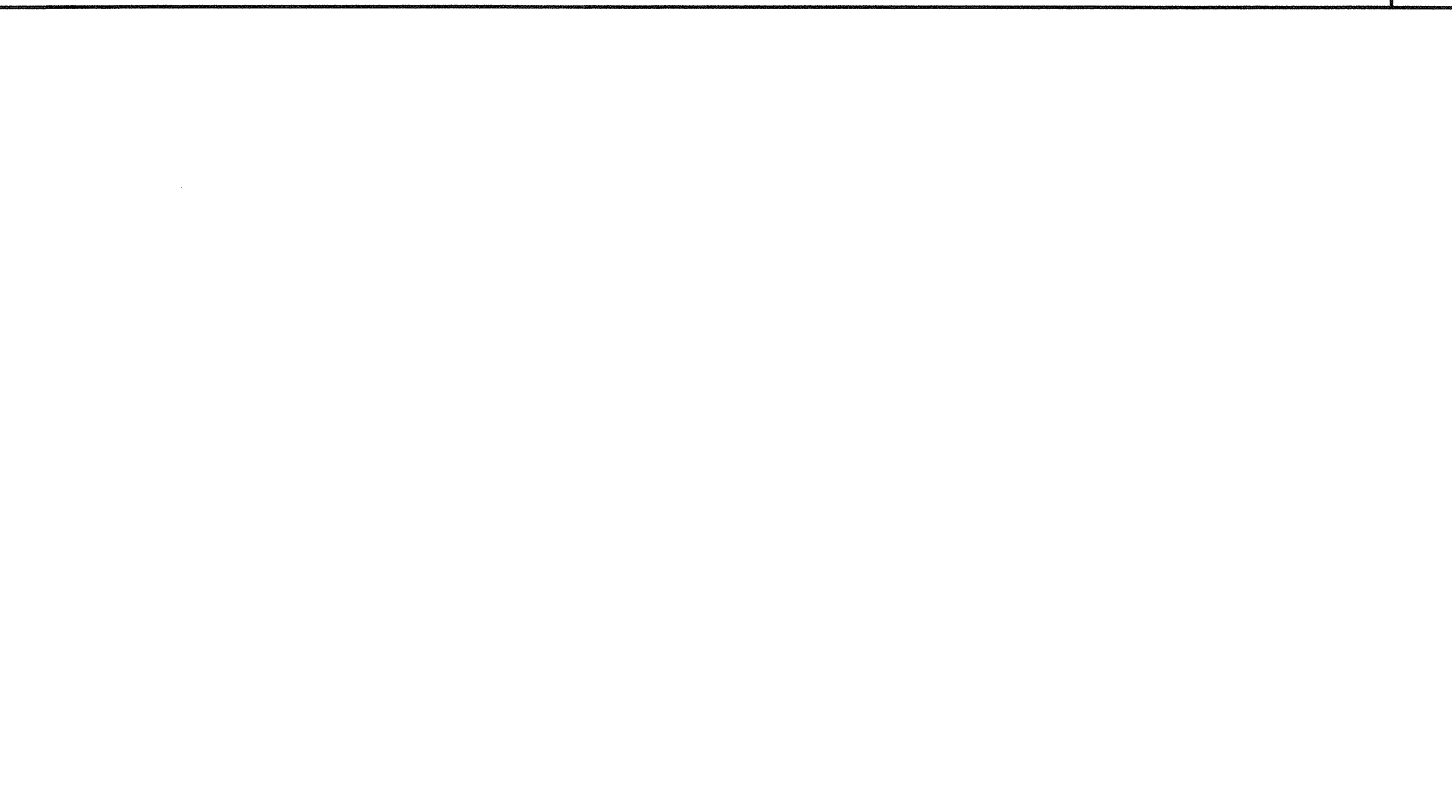
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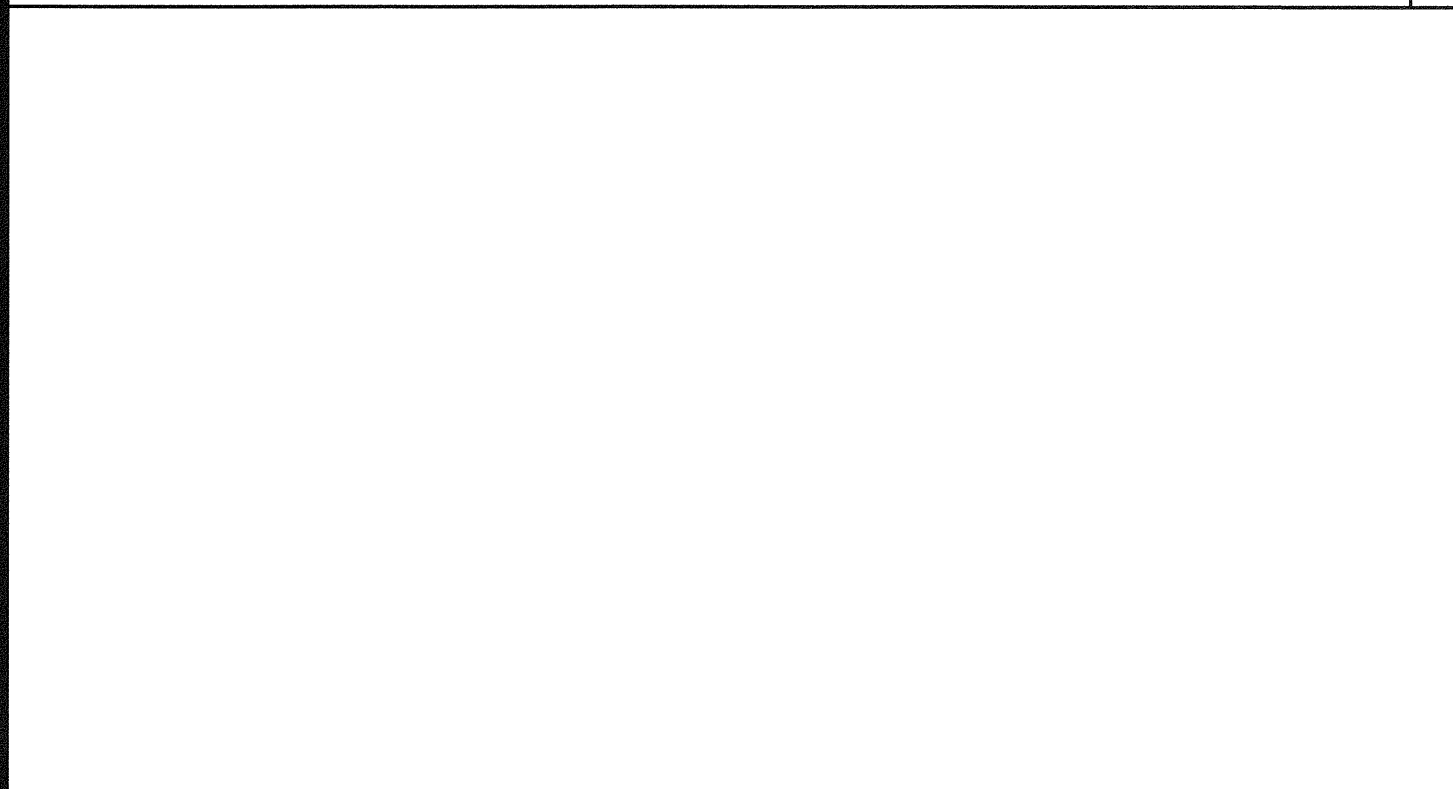
SOFFIT AT ROOF HEADER WITH VENT SCALE: 3"=1'-0" 14



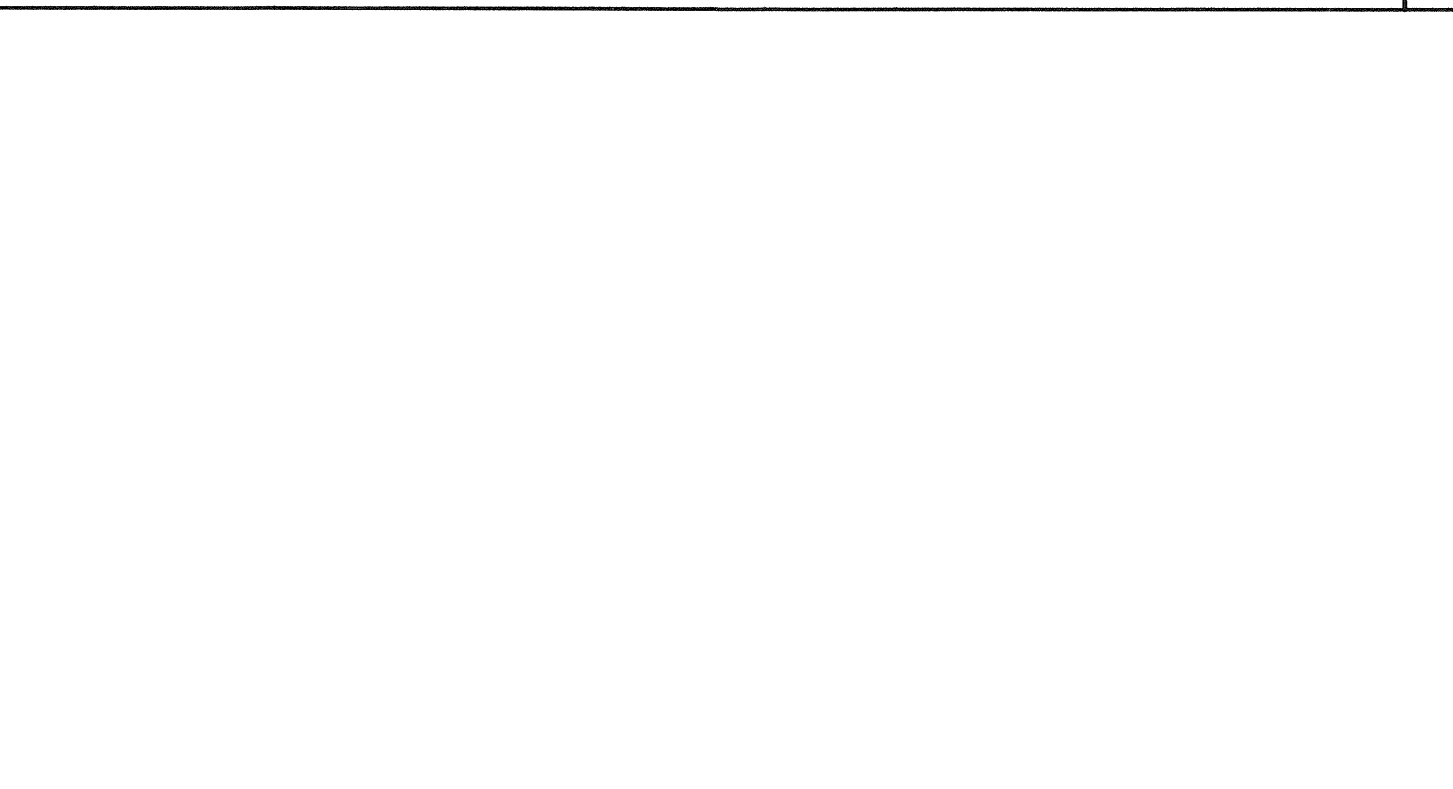
INTERIOR DOOR JAMB SCALE: 3"=1'-0" 9



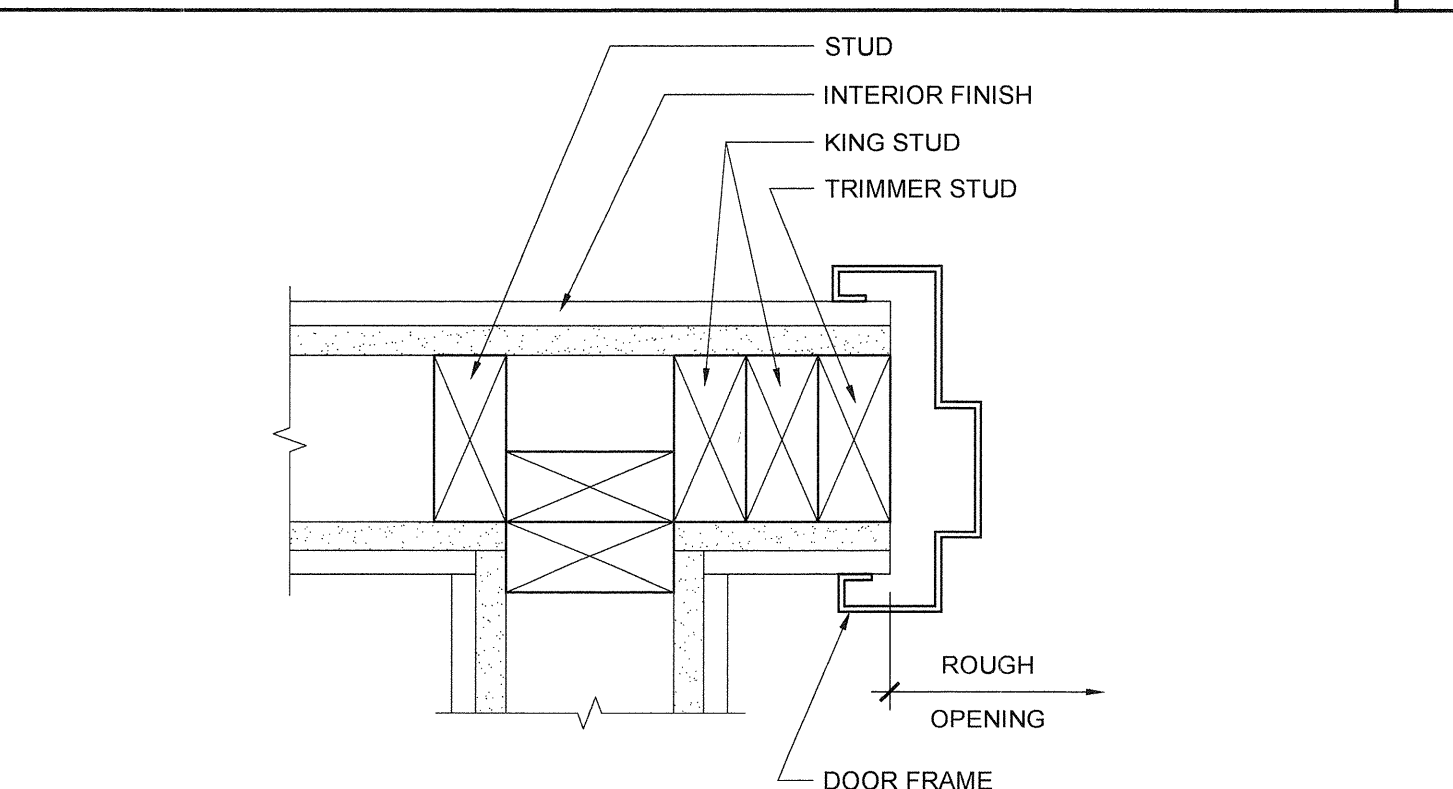
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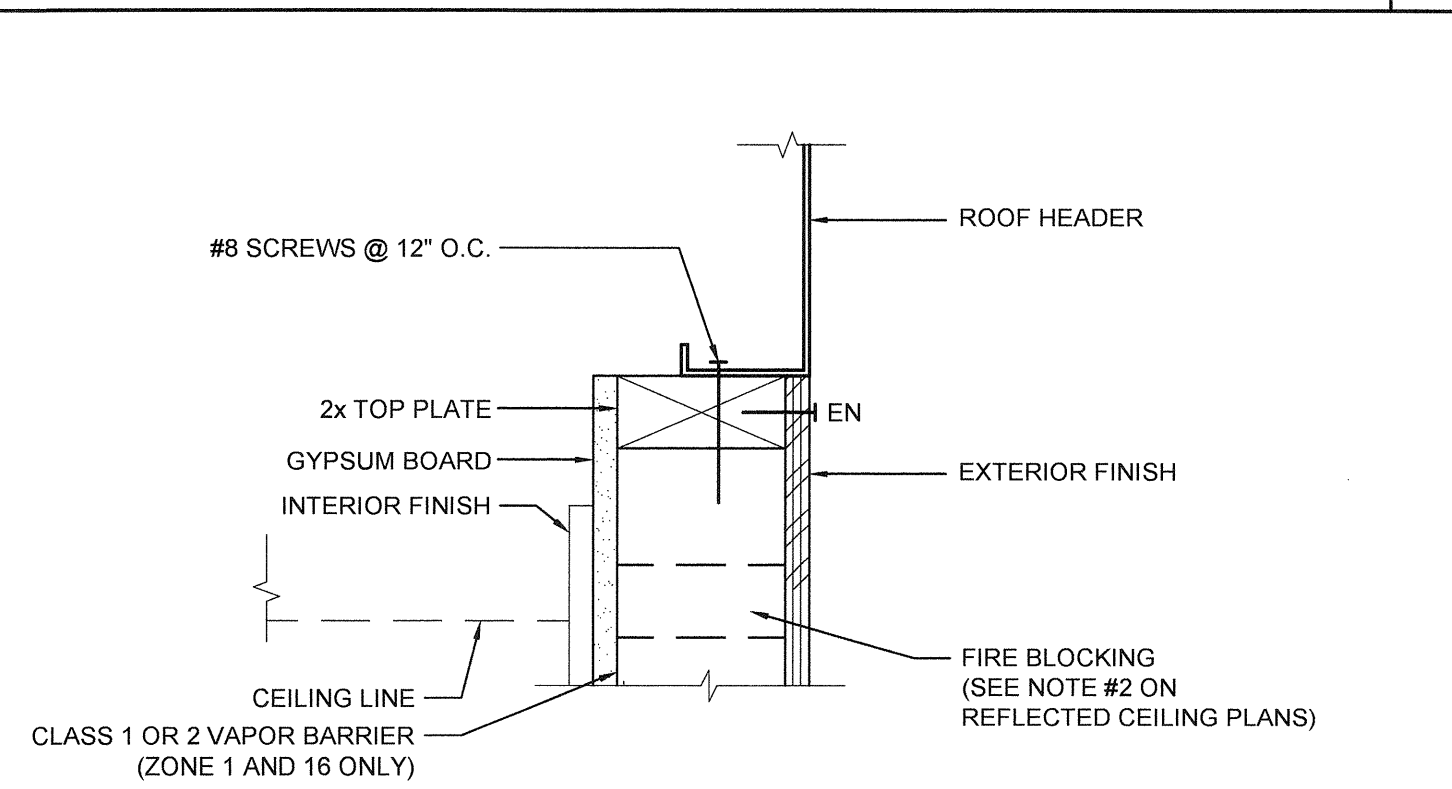
NOT USED 20



NOT USED 15



INTERIOR DOOR JAMBS SCALE: 3"=1'-0" 10



TOP PLATE AT ROOF HEADER SCALE: 3"=1'-0" 5

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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:

**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:

**ARCHITECTURAL
DETAILS
WOOD STUD - SHTG**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (NO DOCUMENT) A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
	04 - 116720 INCR: 0
	AC_RM_FL_DS_SSR_KER DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183

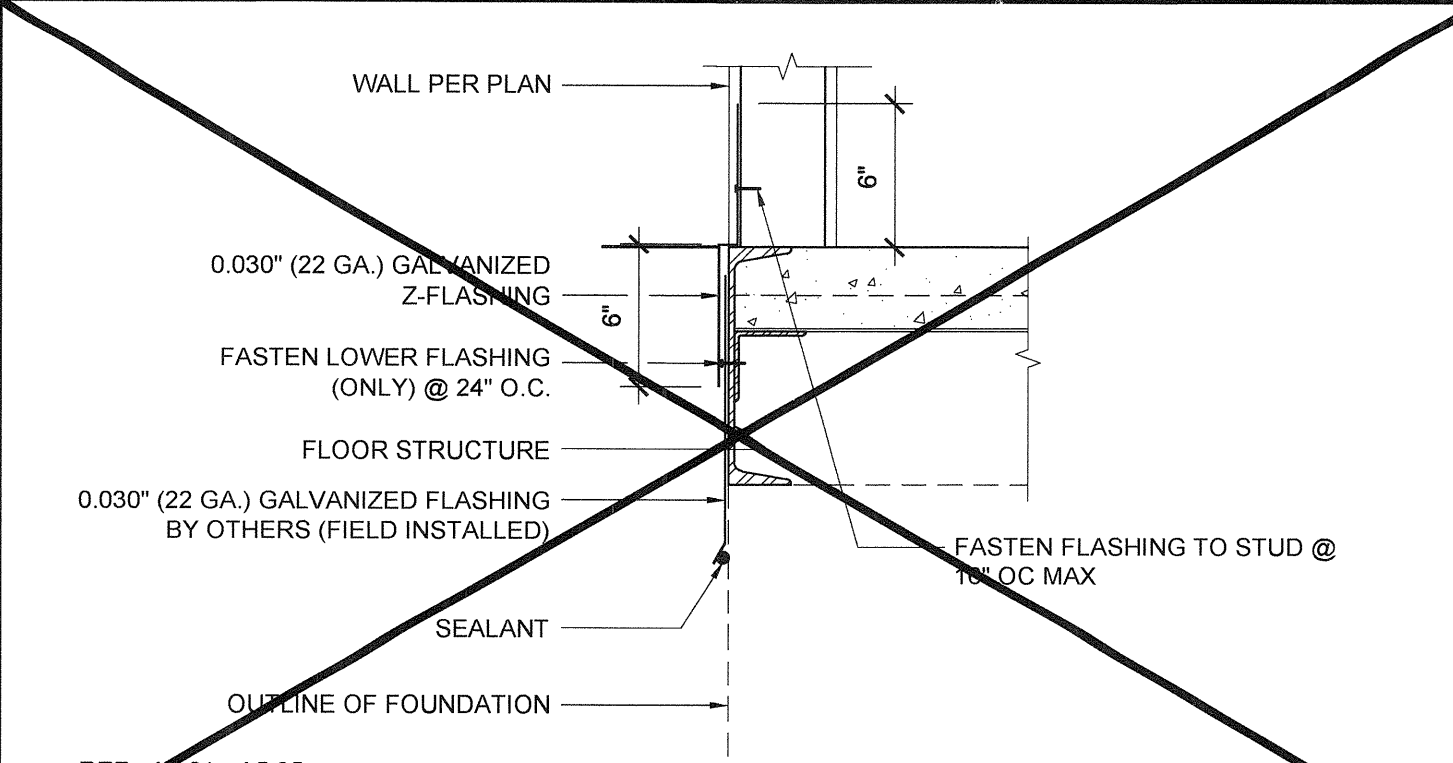
DRAWN BY:

SCALE: AS NOTED

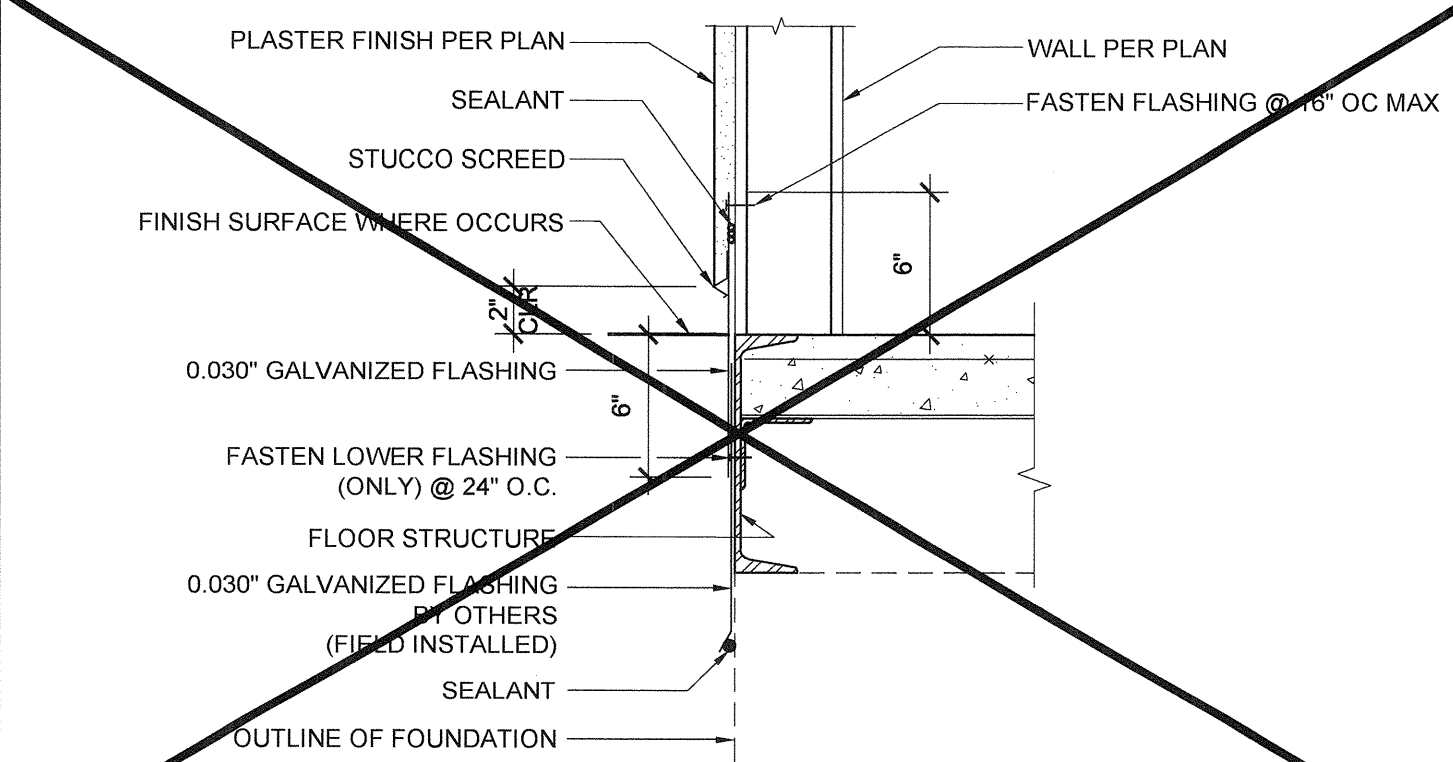
DATE: 10-12-2017

P.C. SHEET NUMBER

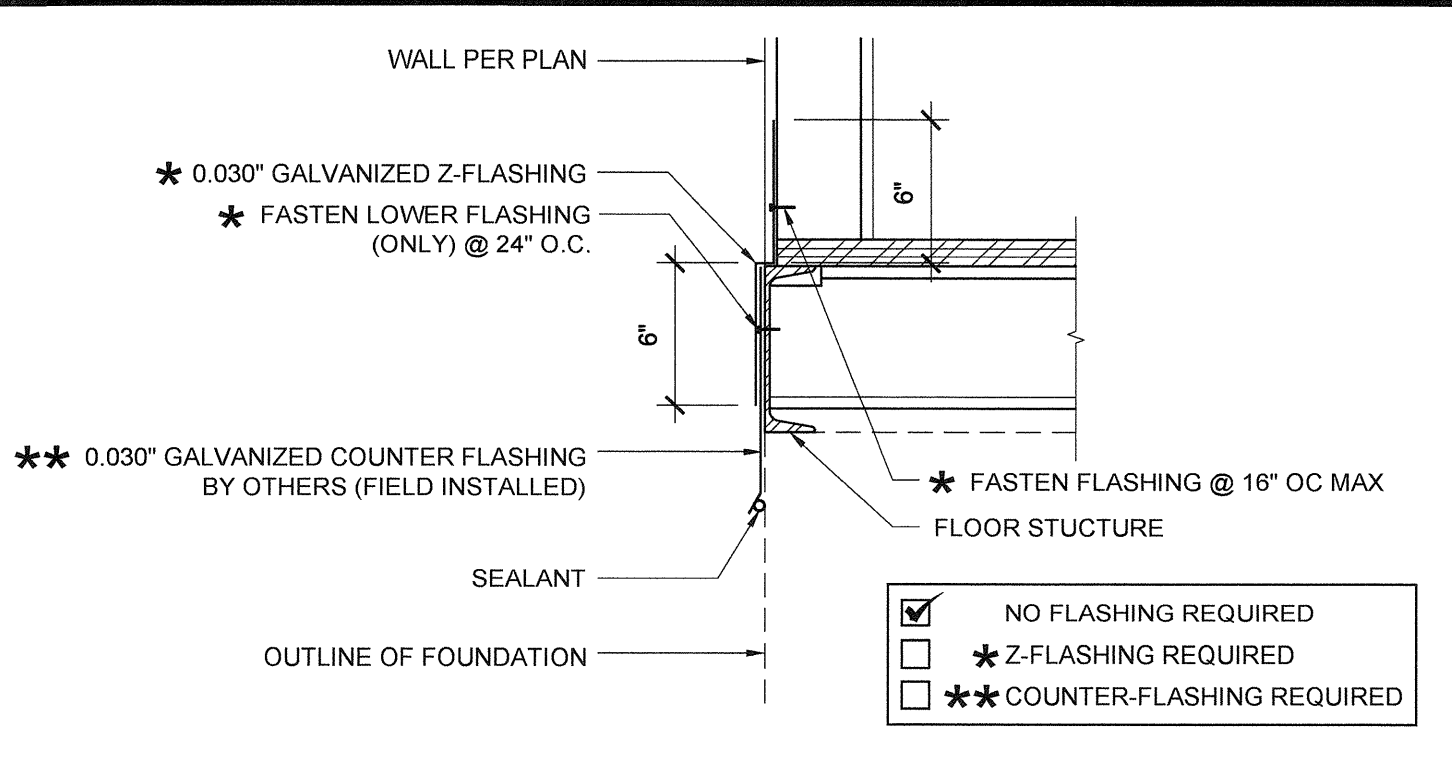
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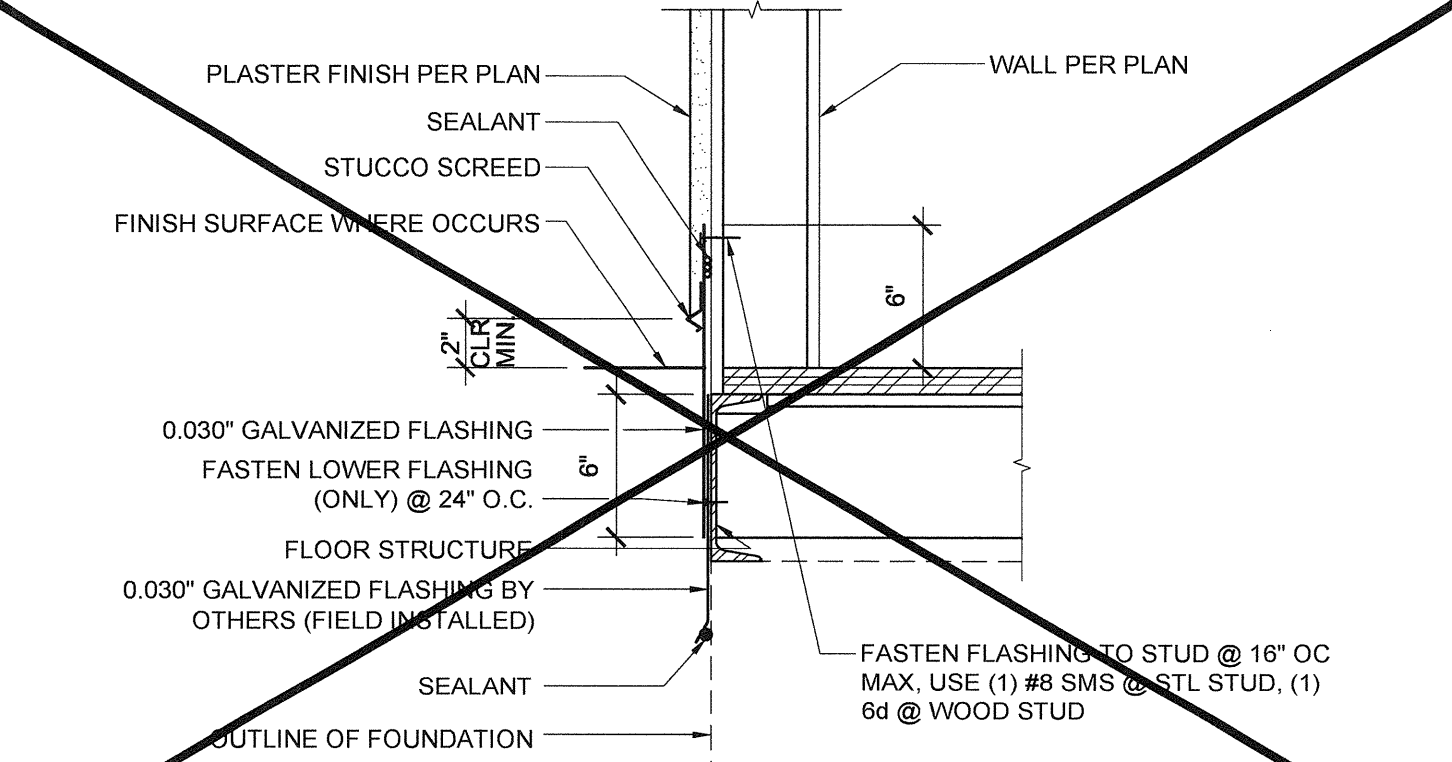
16 SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 11



17 SKIRT FLASHING (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 12



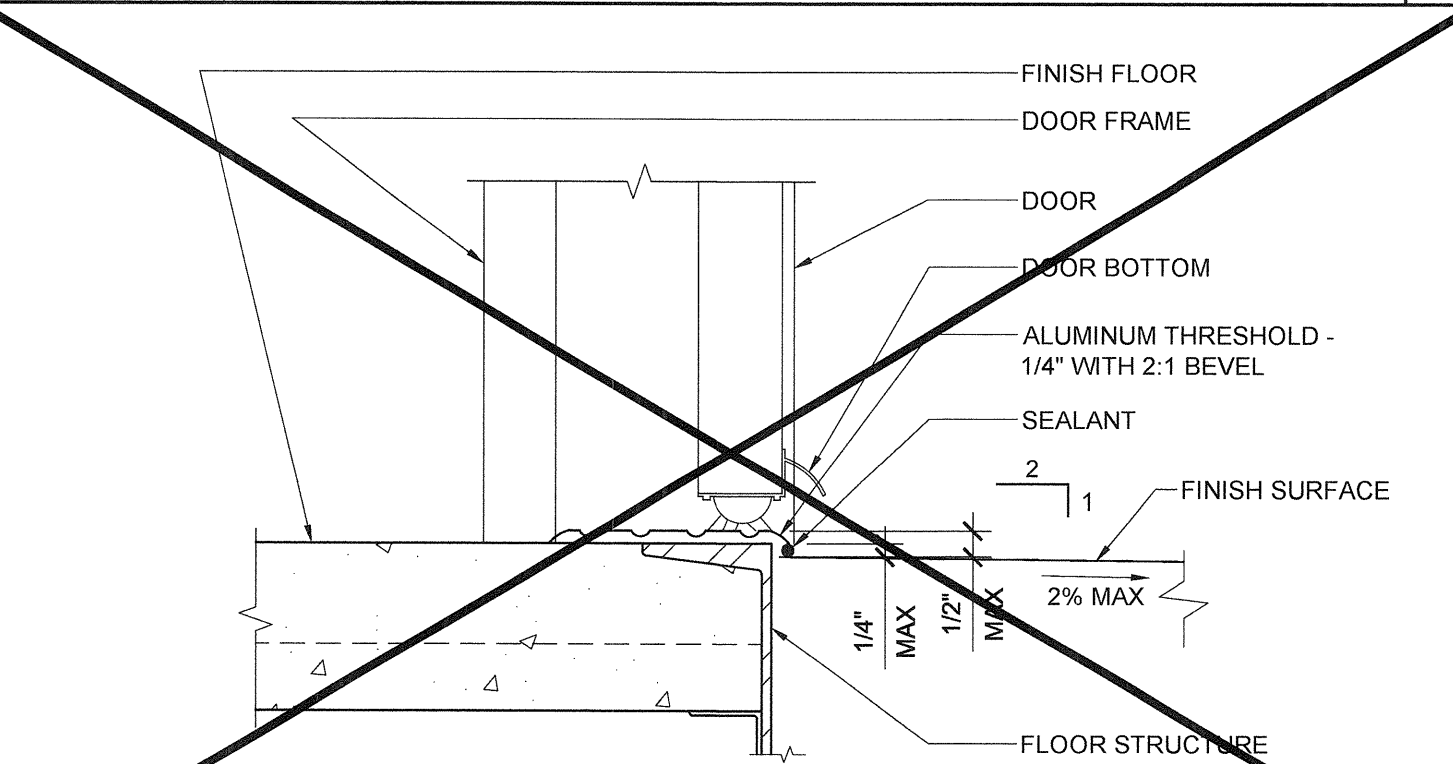
6 SKIRT FLASHING (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 1



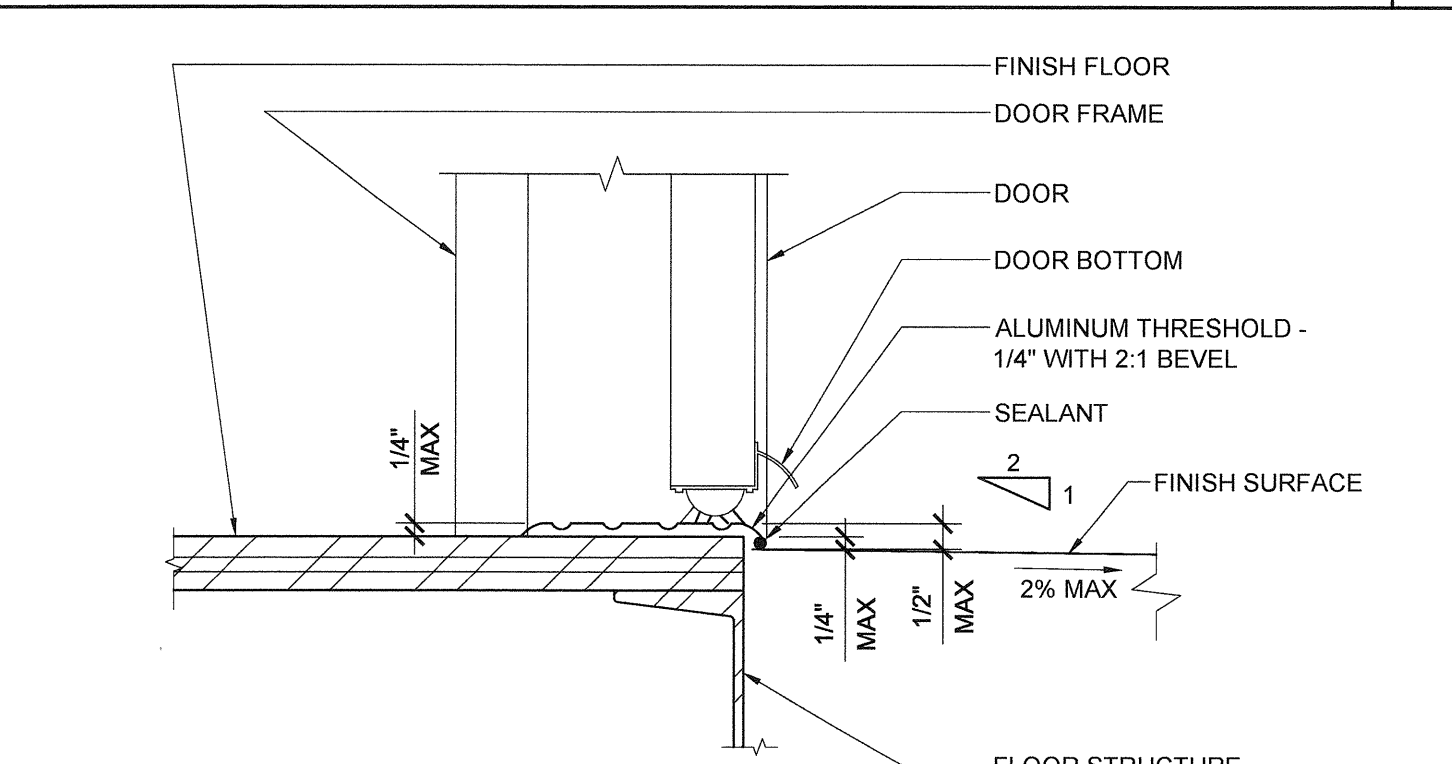
7 SKIRT FLASHING (WOOD FLOOR) SCALE: 1 1/2"=1'-0" 2

18 NOT USED 13 NOT USED

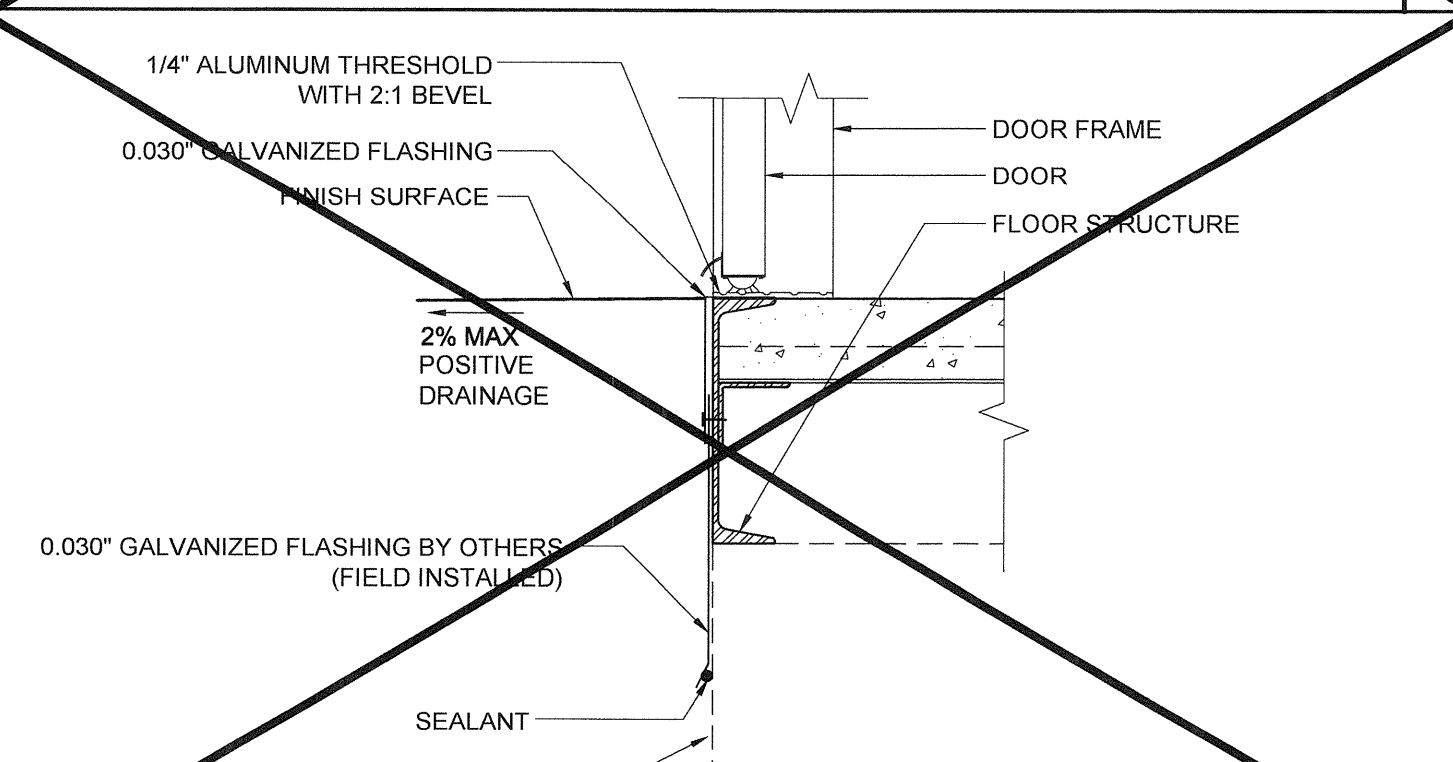
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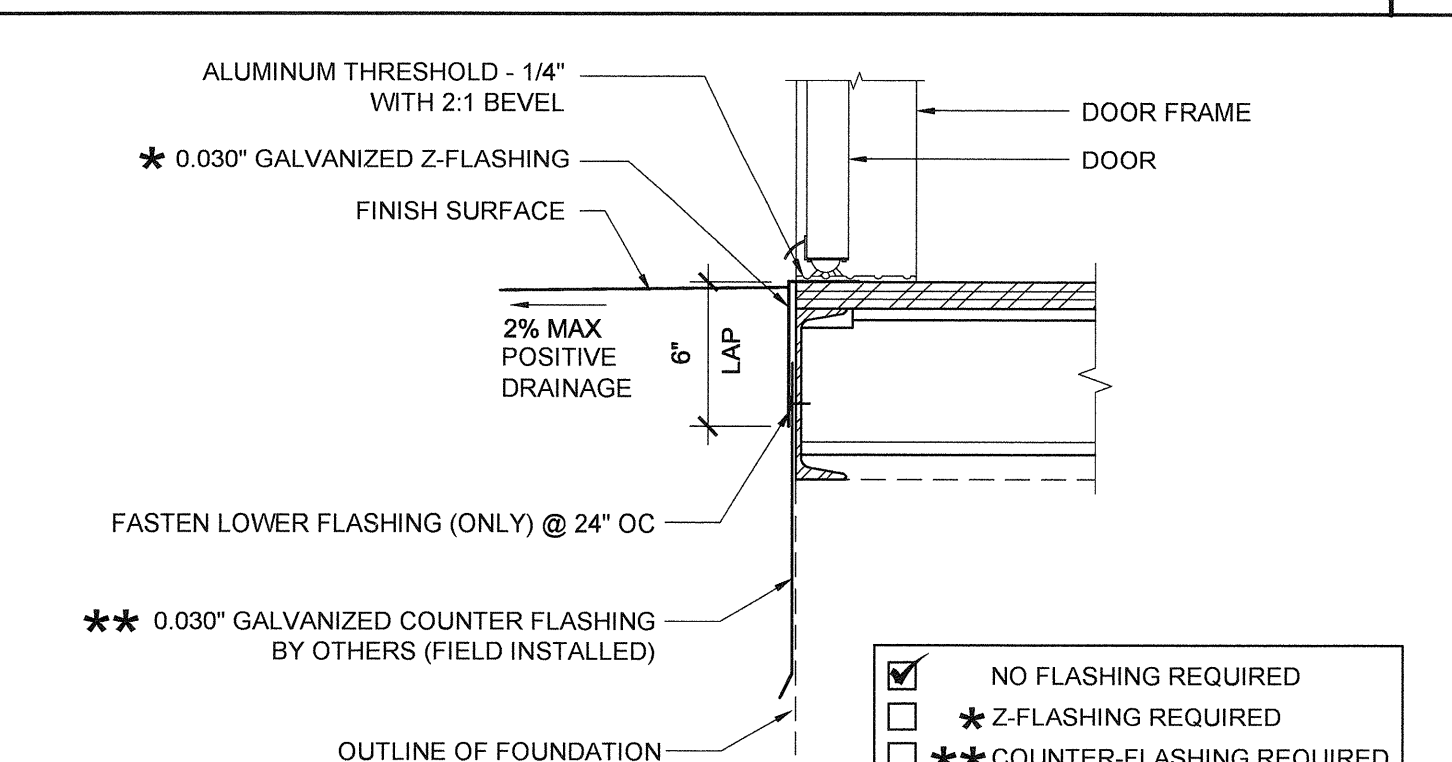
19 THRESHOLD SCALE: 3"=1'-0" 14



9 THRESHOLD SCALE: 3"=1'-0" 4



20 TYPICAL SILL AT FLOOR (CONCRETE FLOOR) SCALE: 1 1/2"=1'-0" 15



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

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Building for the Next Generation
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5383 FAX: 951-943-2211

PROJECT NAME:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
FLOOR**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

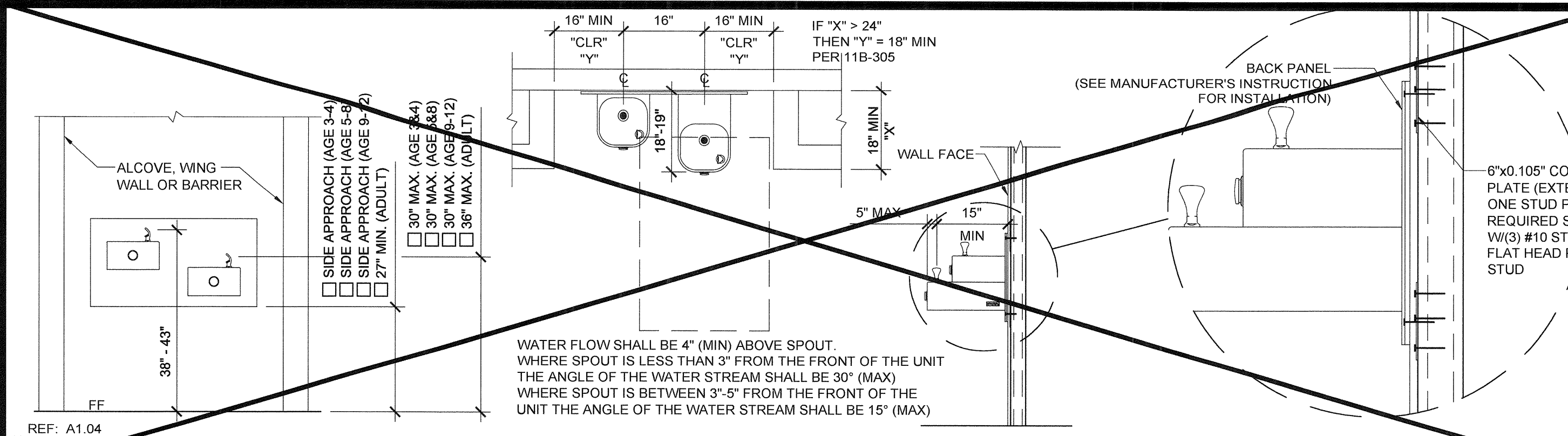
ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_DS_KER
DATE: 08/22/2018

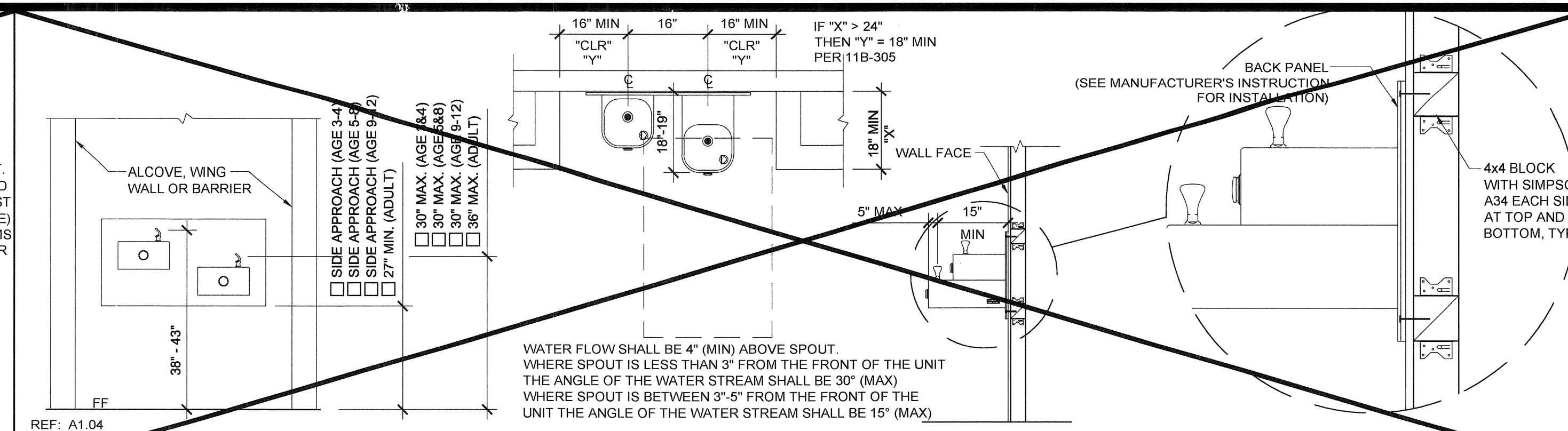
REVISIONS

SILVER CREEK INDUSTRIES
12 x 40' PC
PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

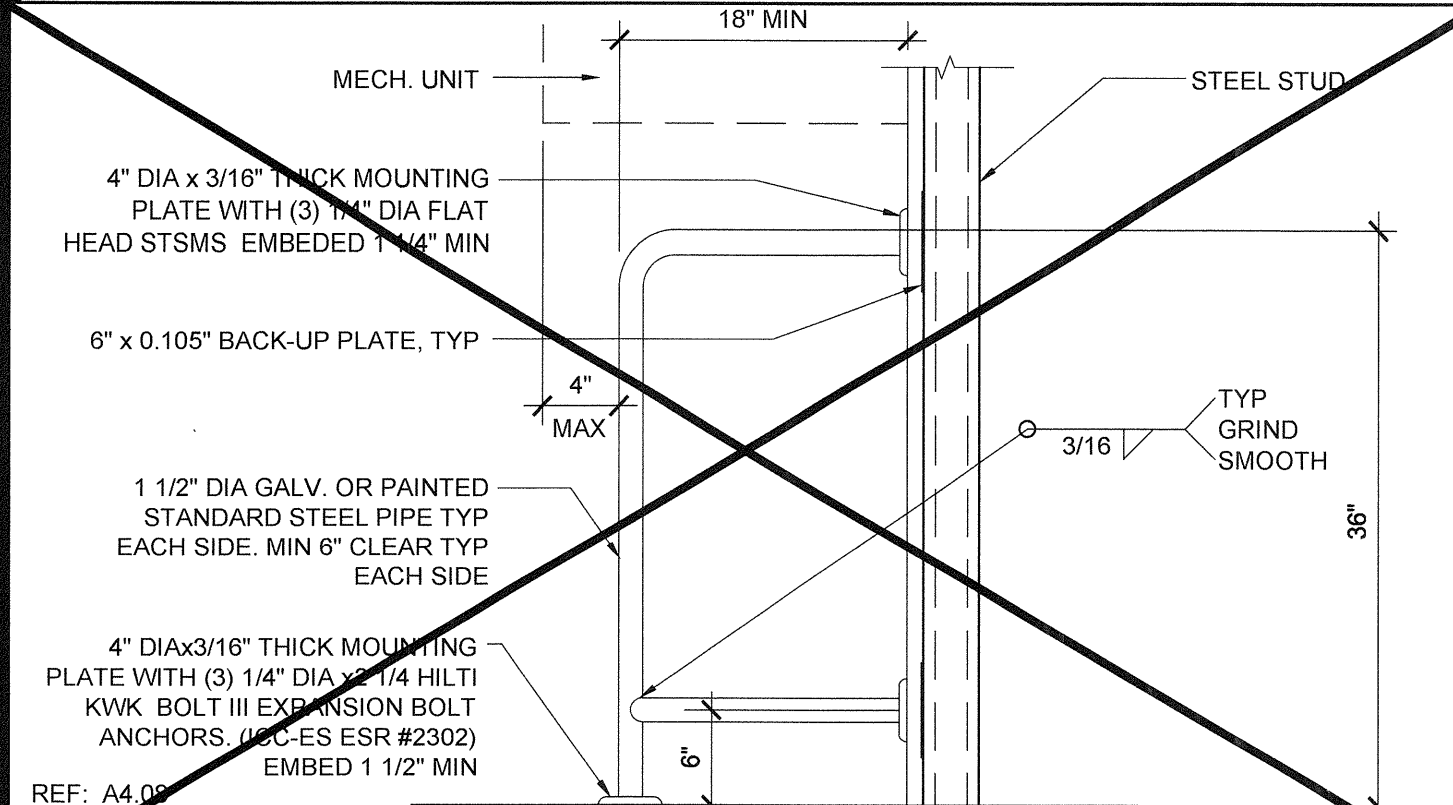
P.C. SHEET NUMBER
A-5.70



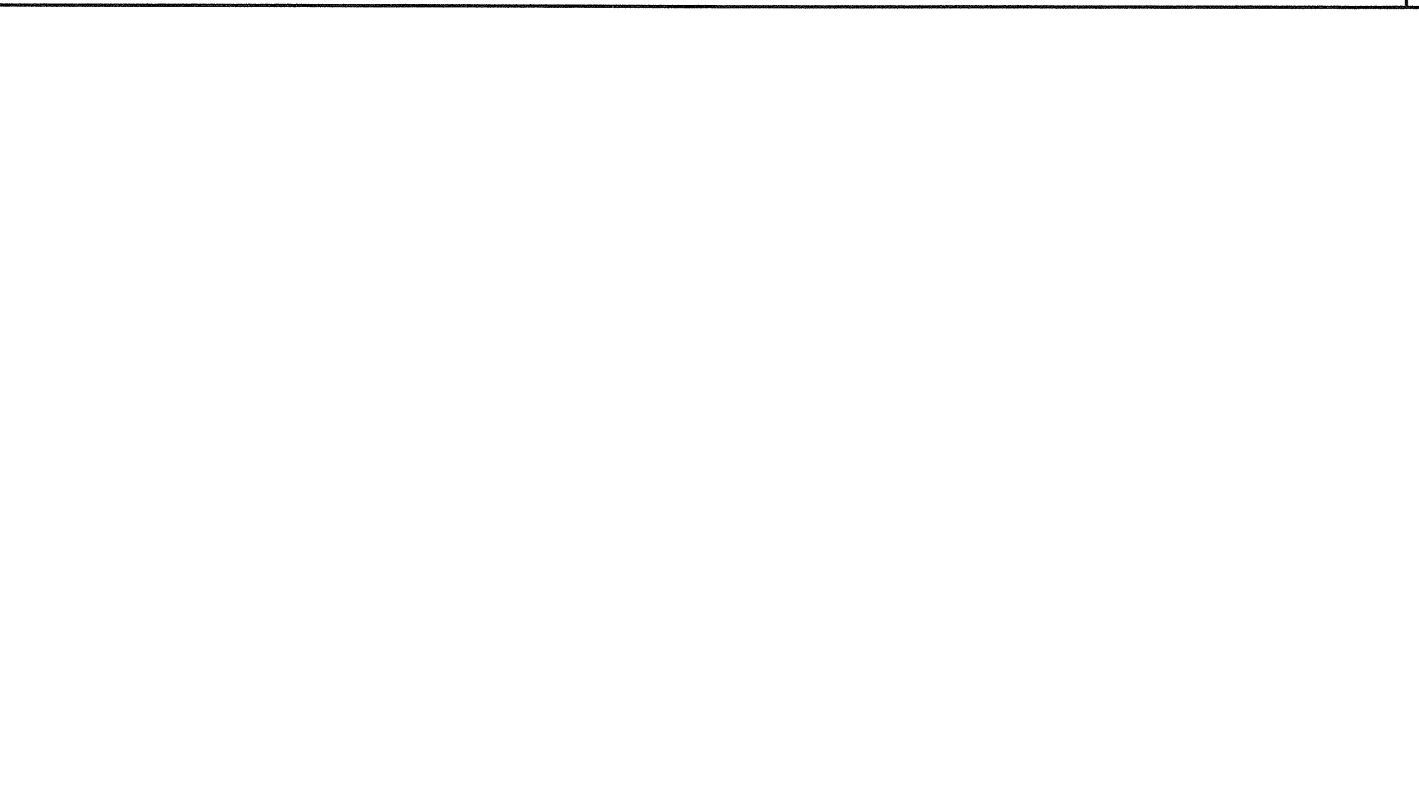
REF: A1.04 DRINKING FOUNTAIN BLOCKING DETAIL AT STEEL STUD SCALE: 1/2" = 1'-0" 11



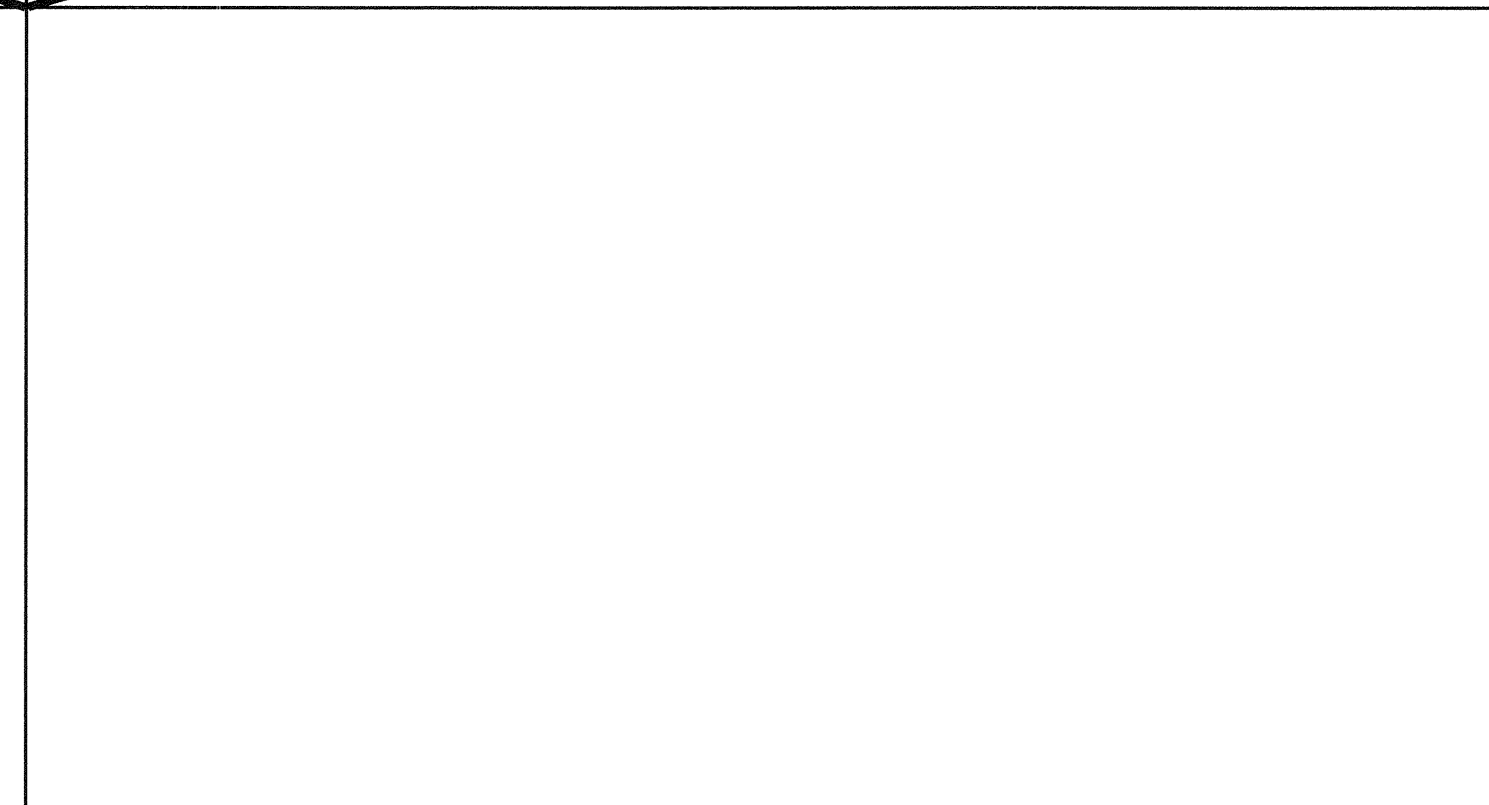
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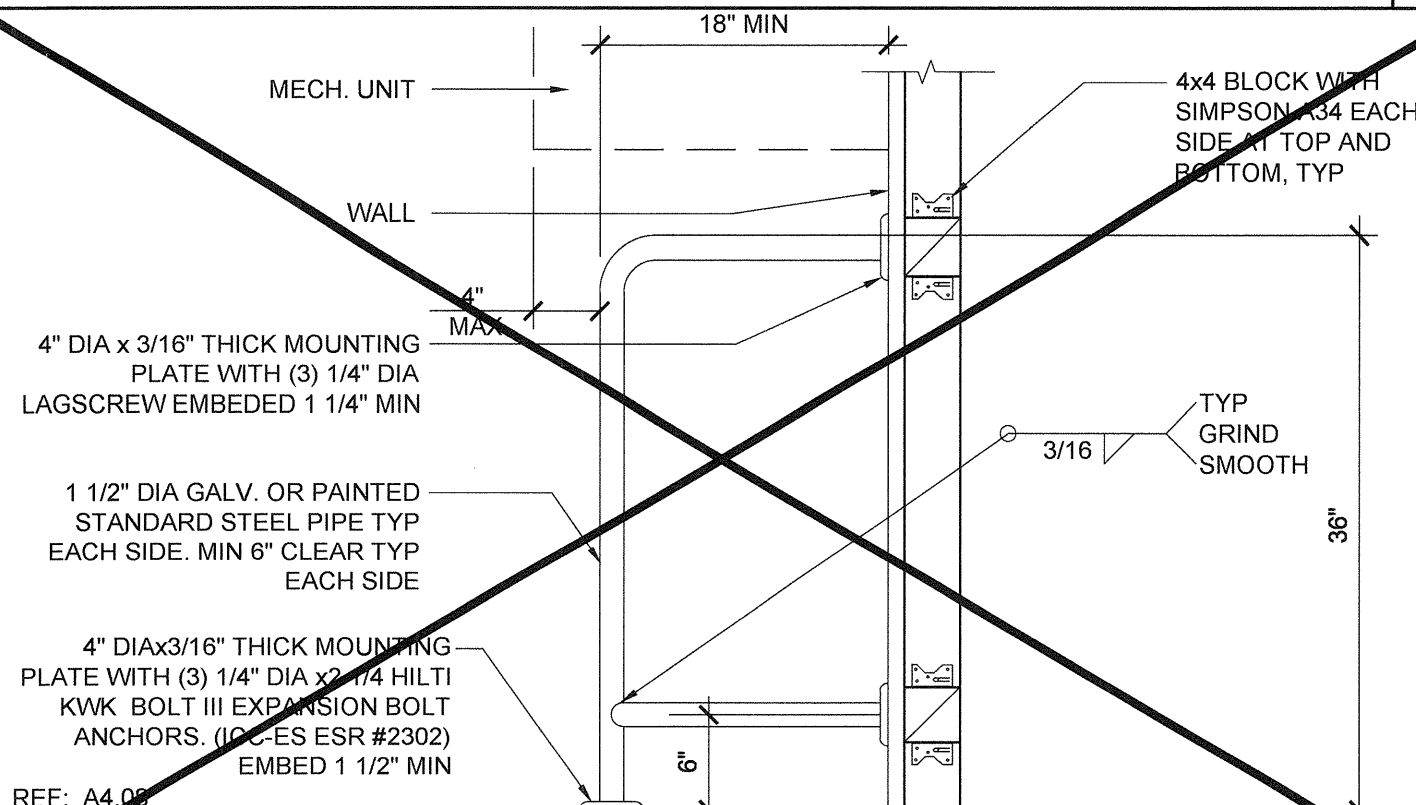
REF: A4.06 HVAC BARRIER - OPT. D.F. BARRIER AT STEEL STUD SCALE: 1" = 1'-0" 17



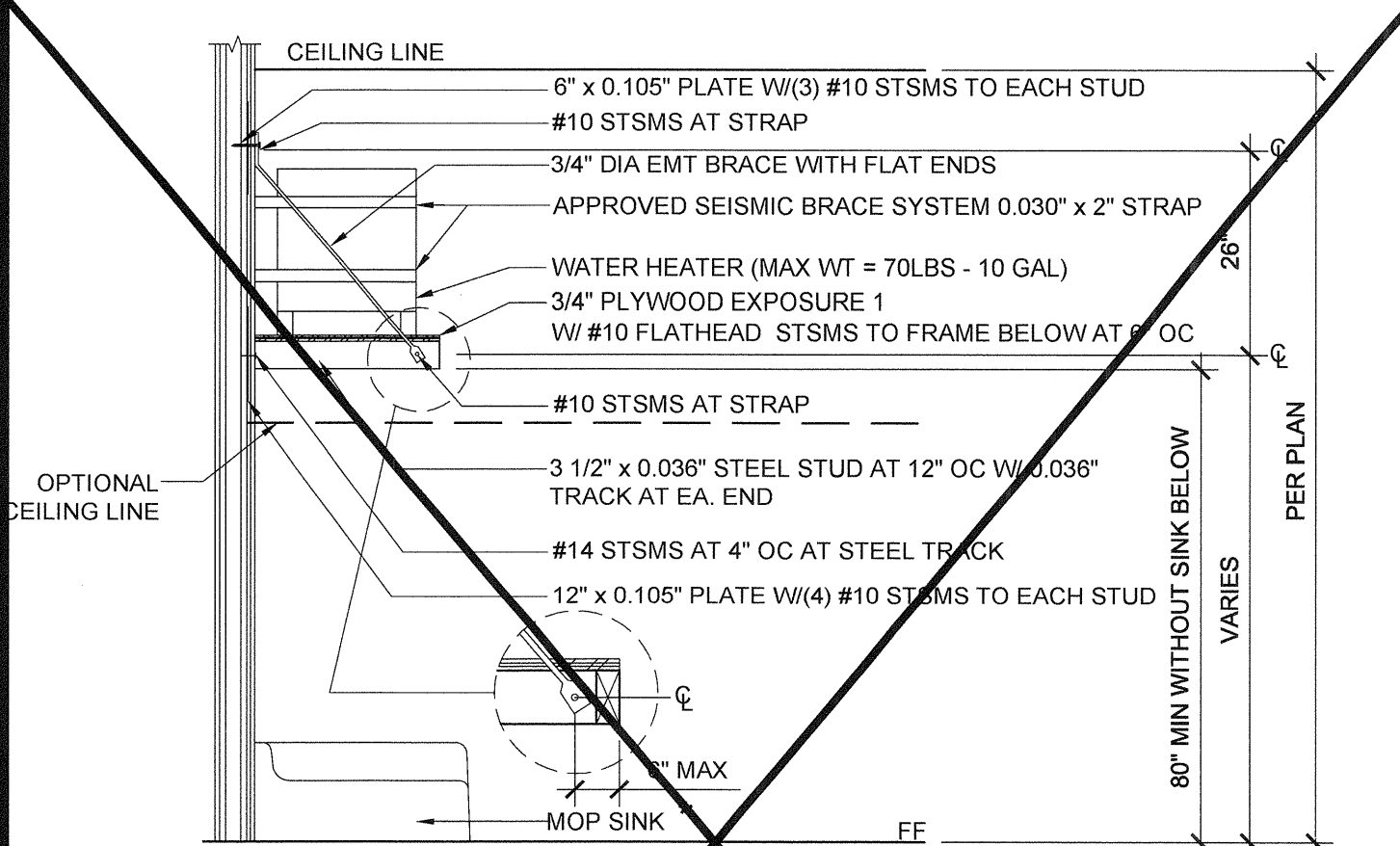
13 NOT USED



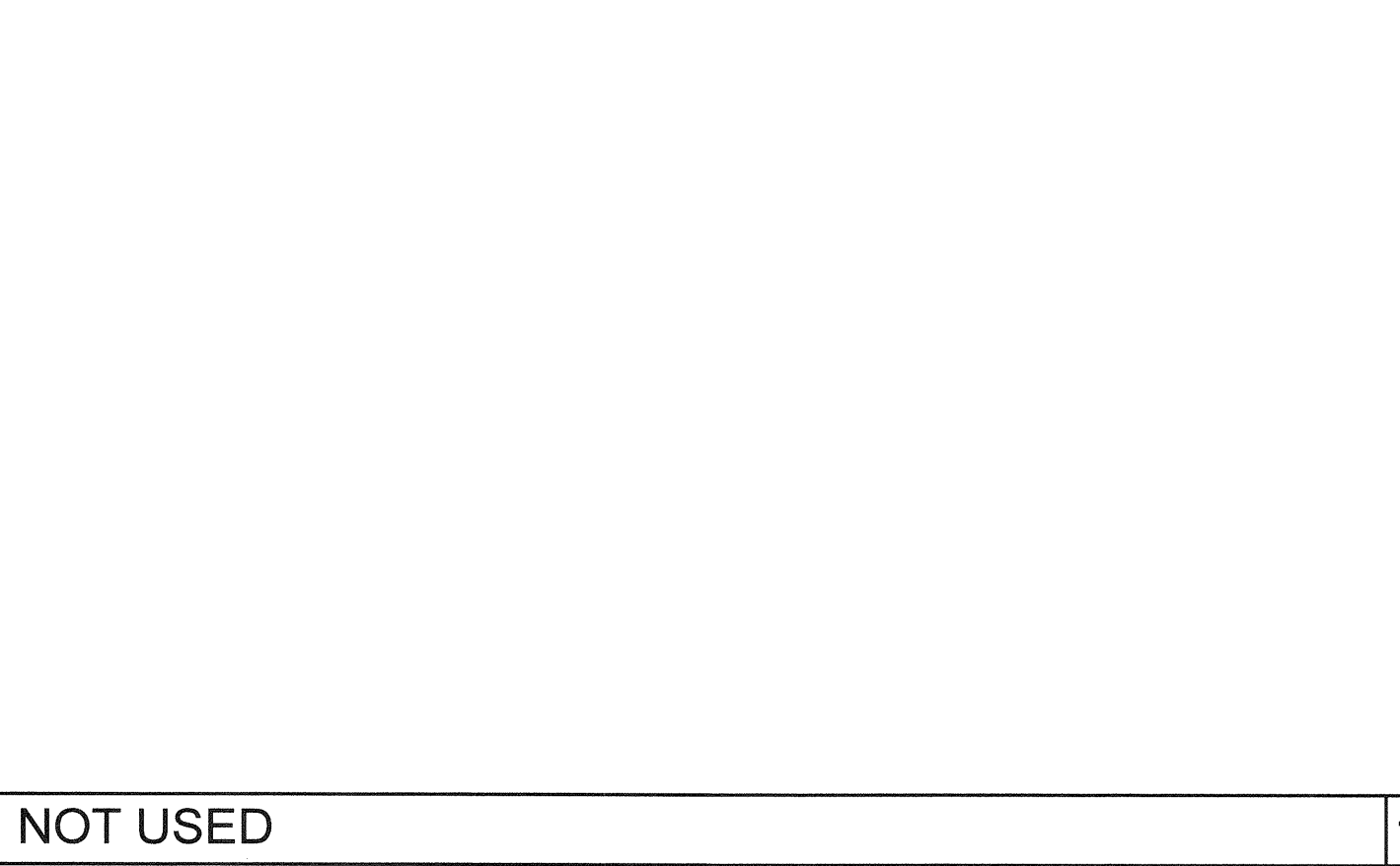
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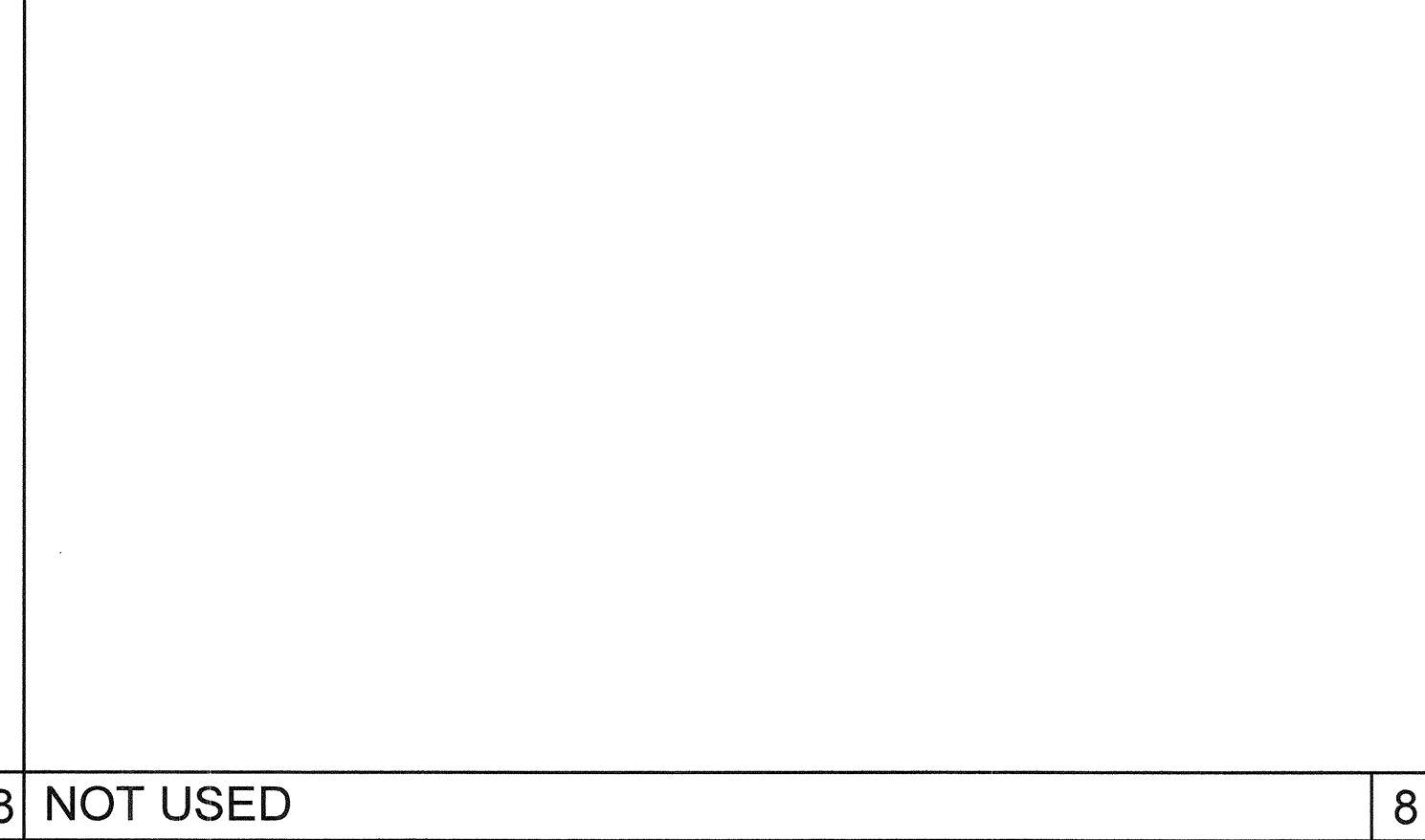
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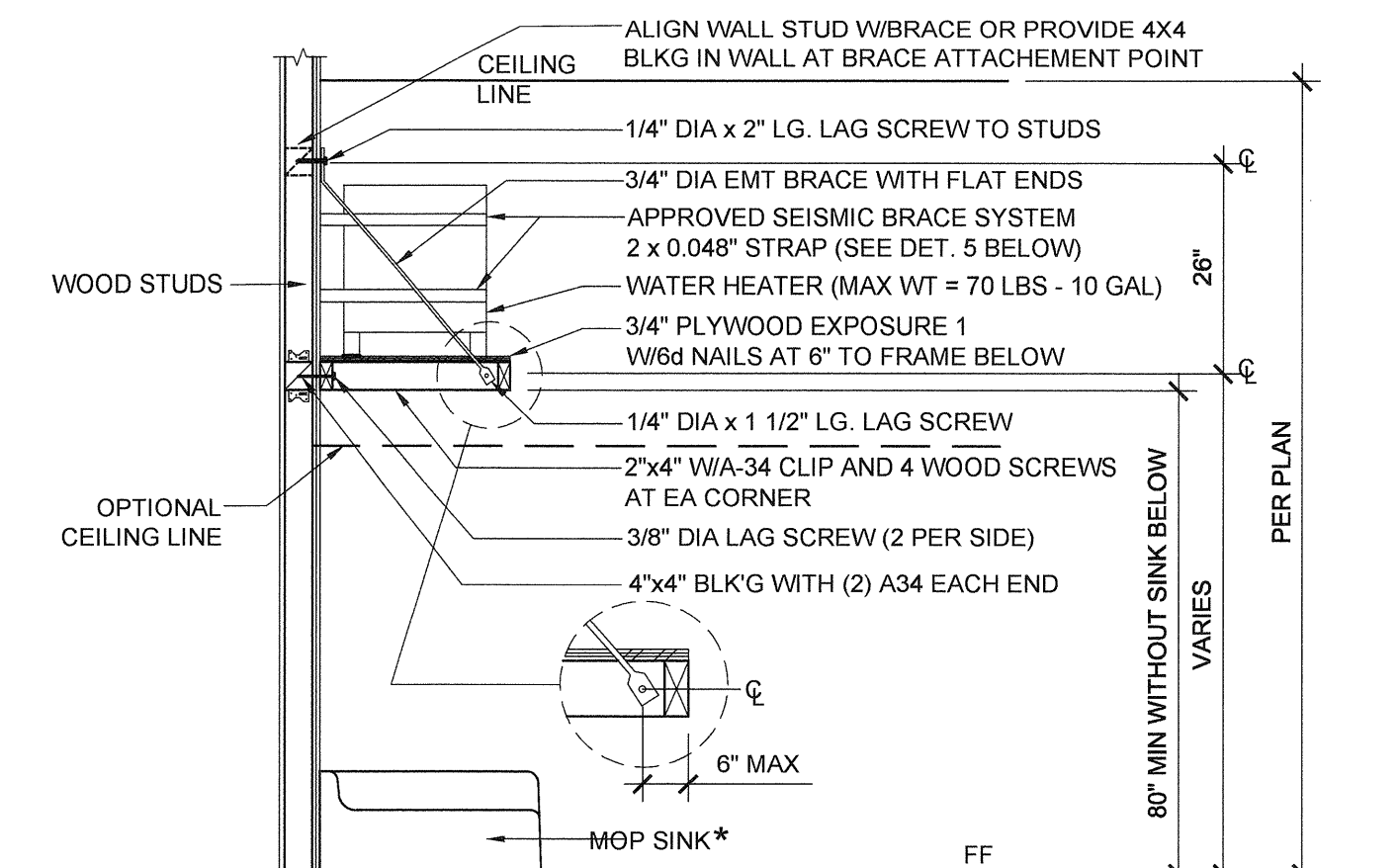
REF: A1.02 WATER HEATER SHELF AT STEEL STUD SCALE: 1/2" = 1'-0" 18



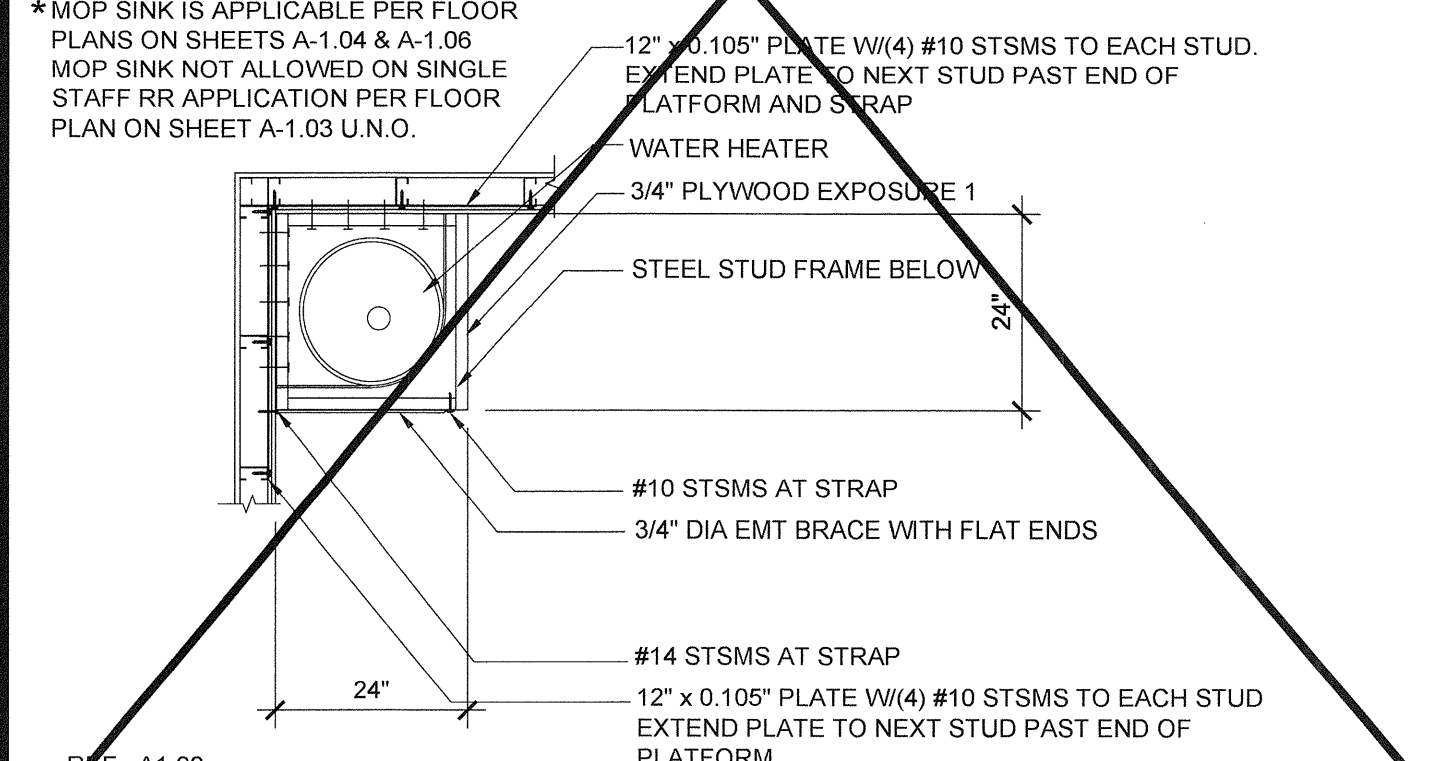
14 NOT USED



8 NOT USED



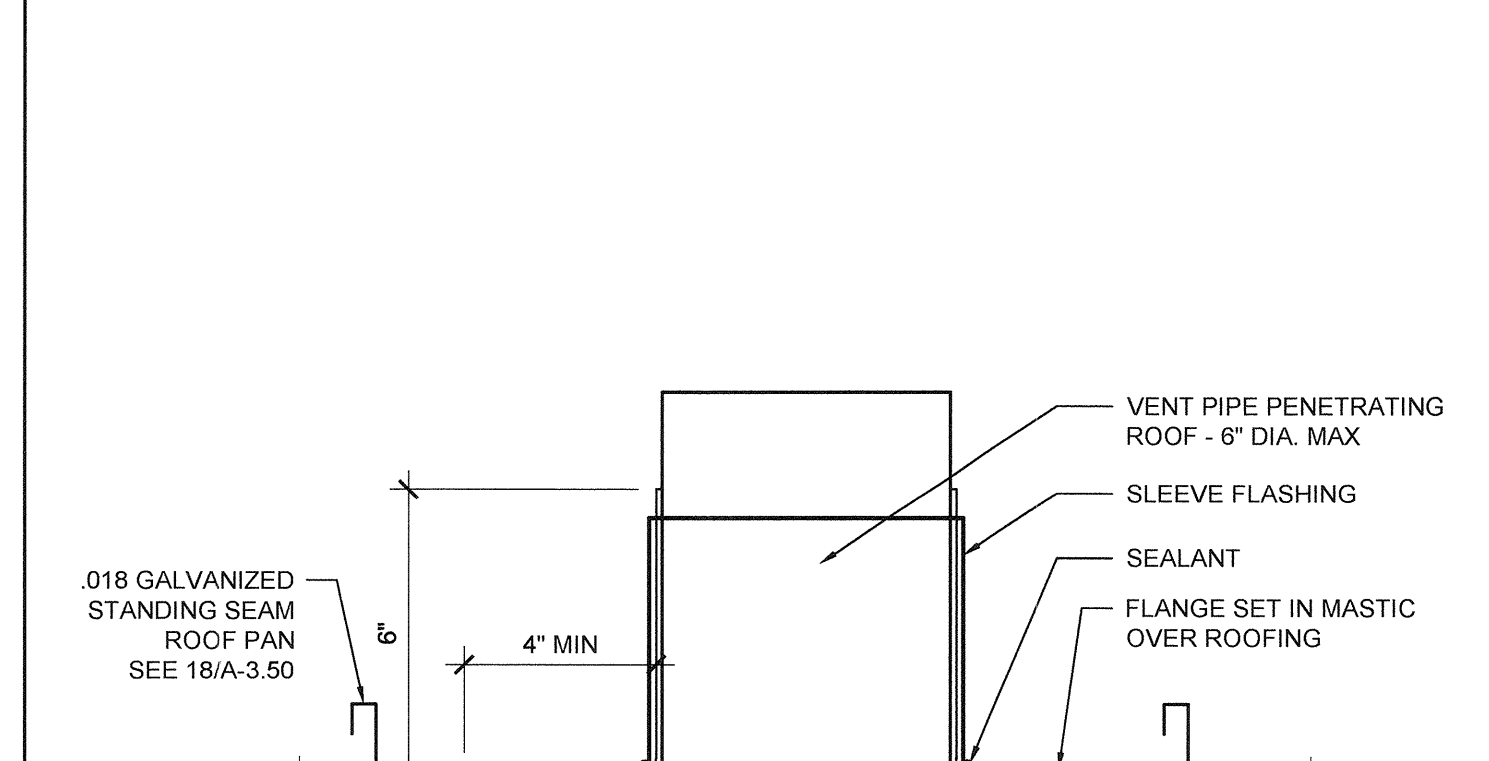
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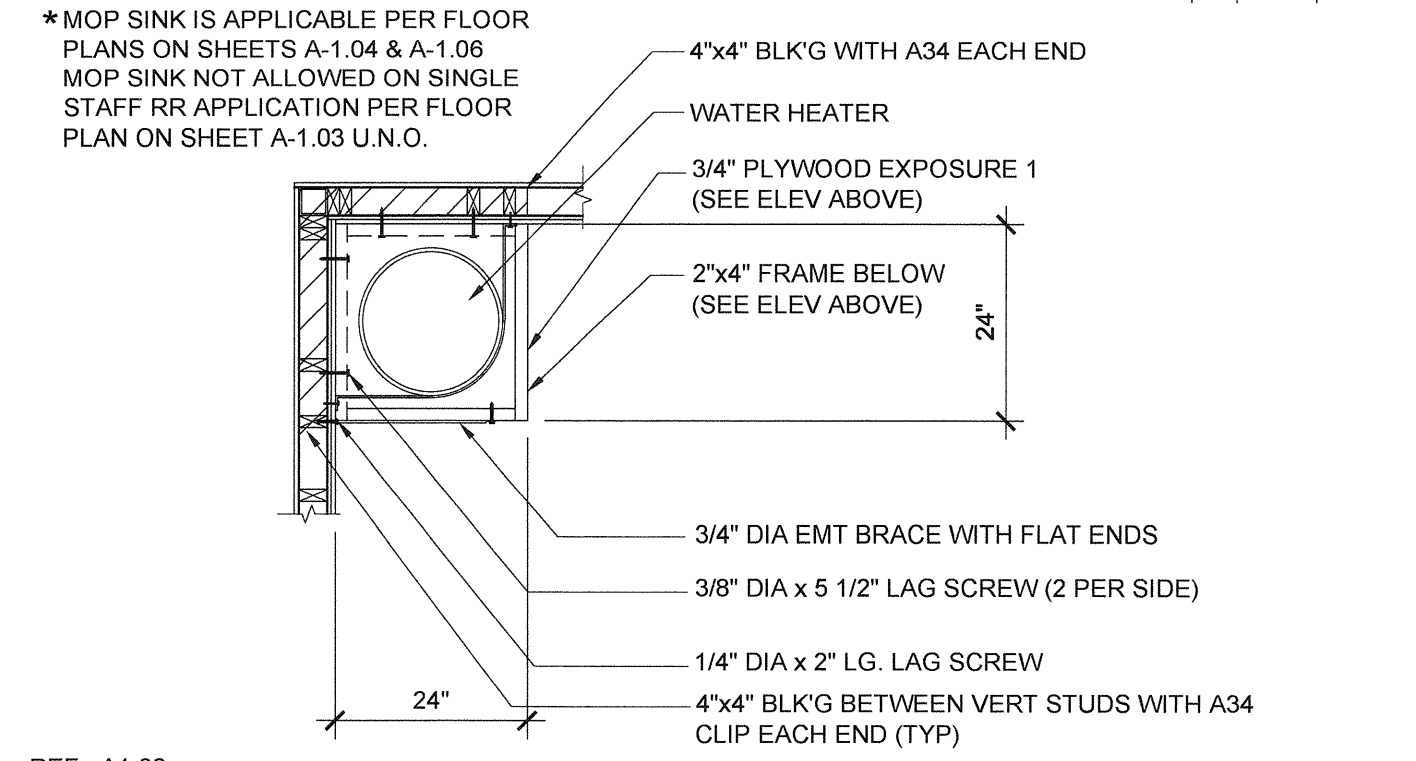
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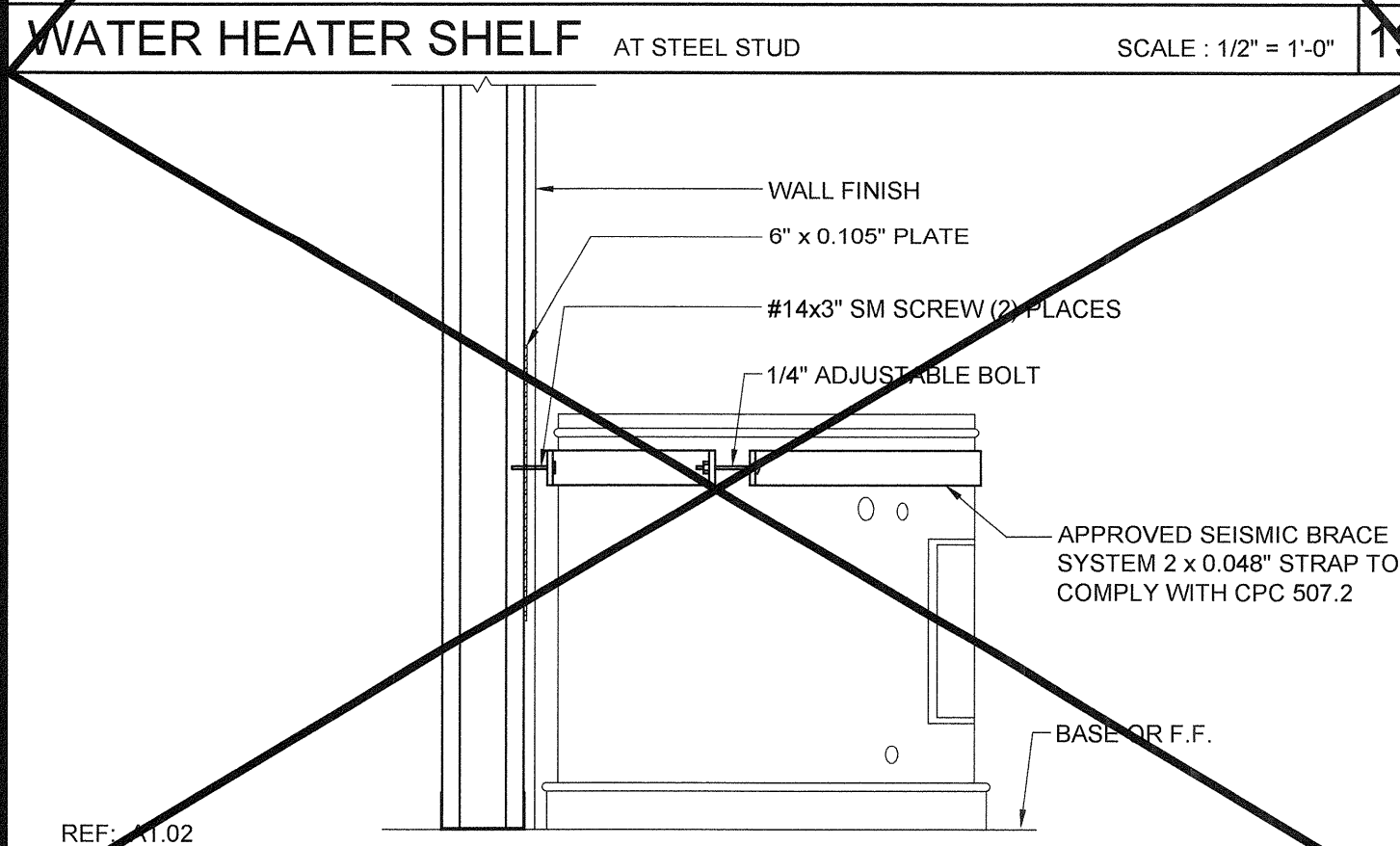
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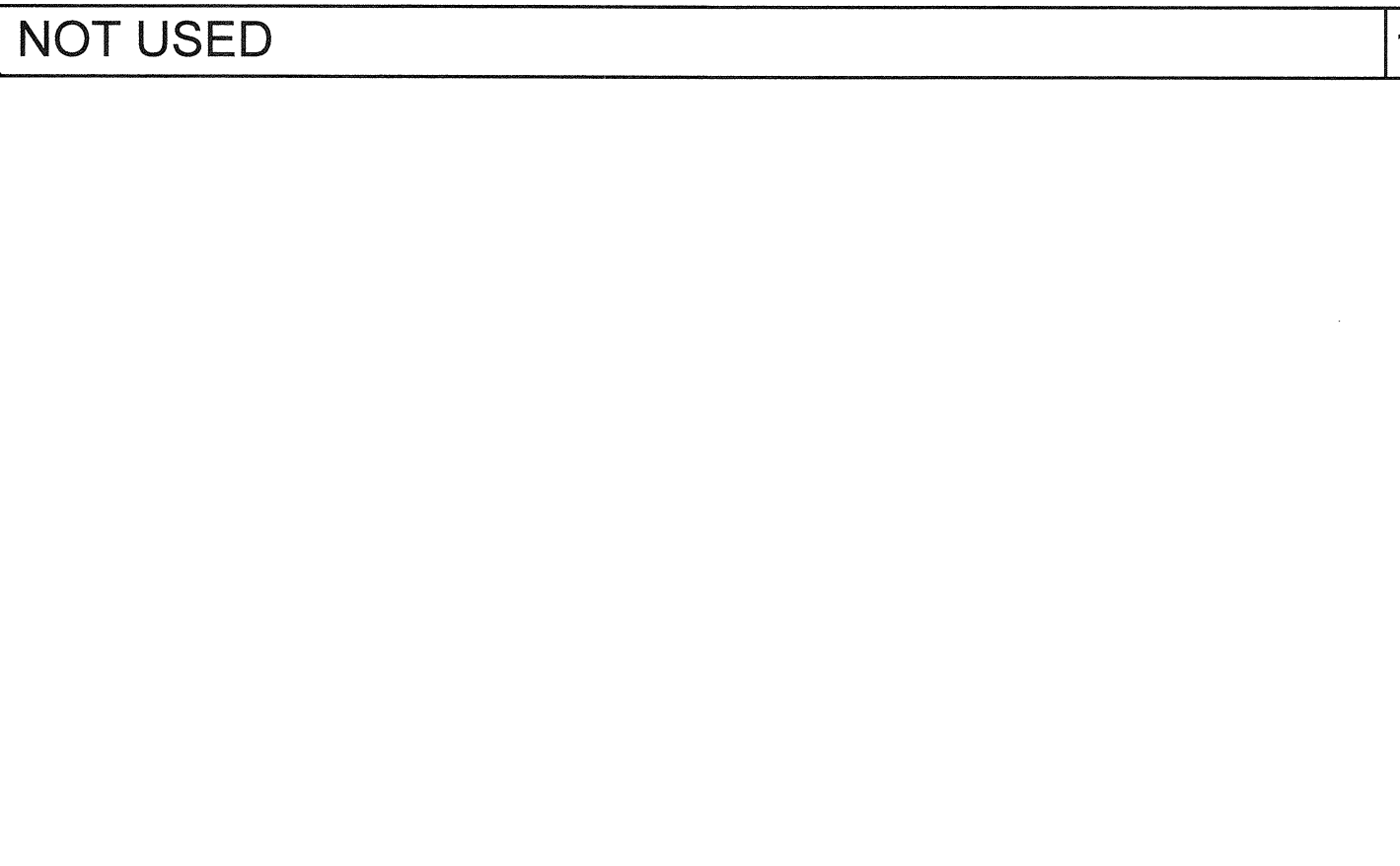
SCALE: 3" = 1'-0" 10



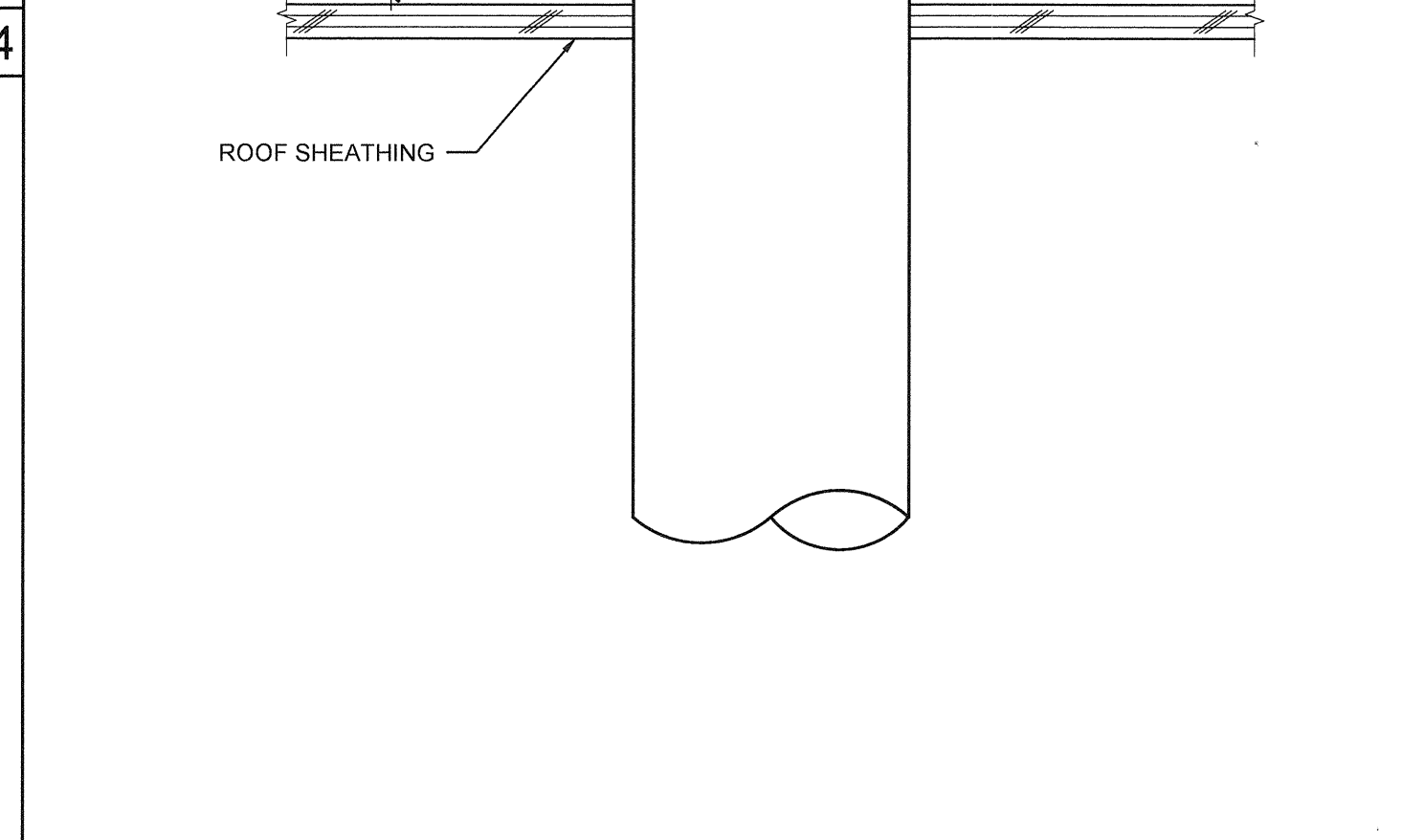
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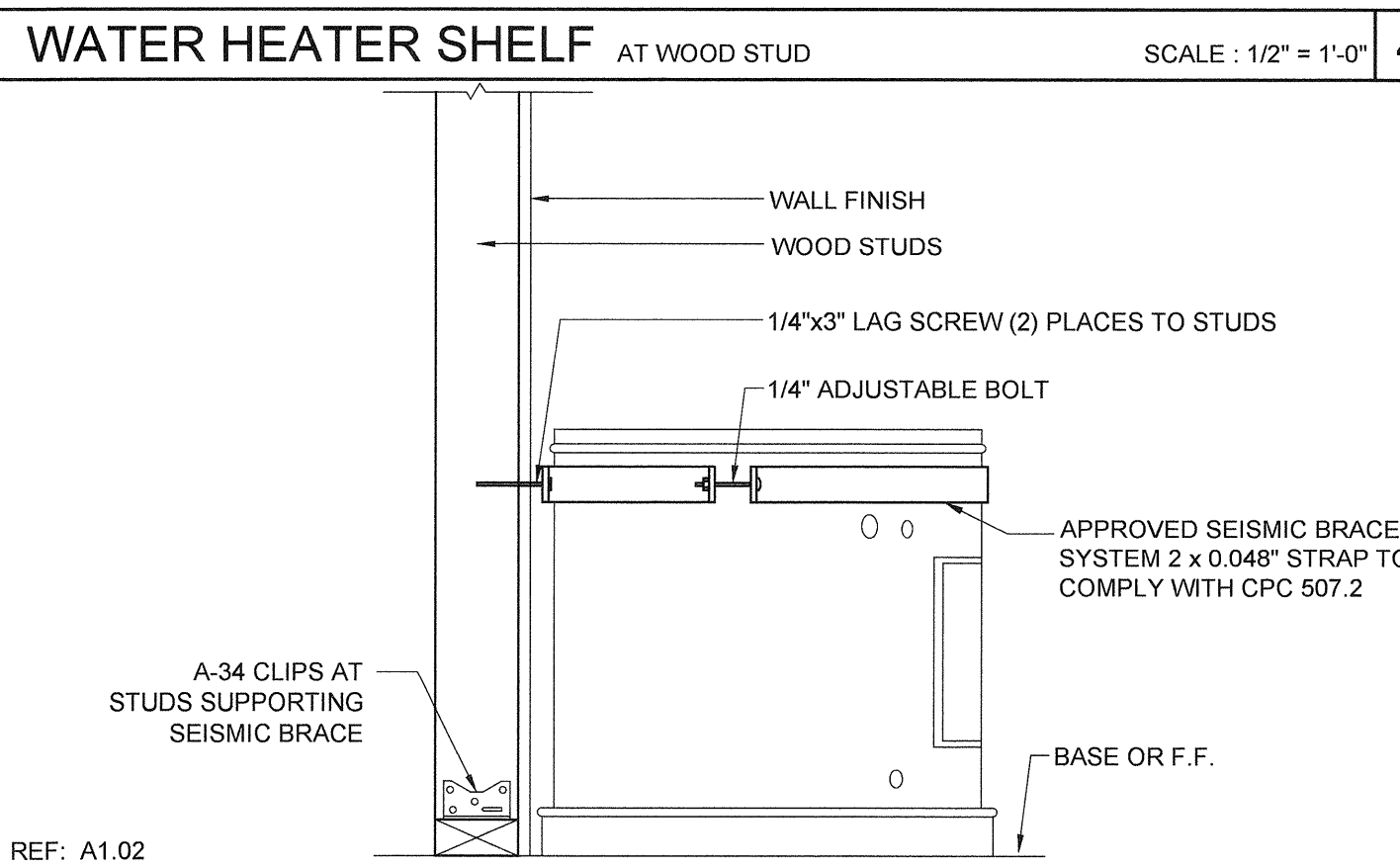
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15 NOT USED



REF: A1.02 WATER HEATER BRACING AT WOOD STUD SCALE: 1 1/2" = 1'-0" 5



REF: A1.02 WATER HEATER BRACING AT WOOD STUD SCALE: 1 1/2" = 1'-0" 5

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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:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**ARCHITECTURAL
DETAILS
MISCELLANEOUS**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183
DRAWN BY: AS NOTED
SCALE: AS NOTED
DATE: 10-12-2017

P.C. SHEET NUMBER
A-5.81

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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:

**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**INTERIOR ELEVATIONS
WALL MOUNTED**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-QUALIFY THIS DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116720 INCR: 0
	AC_RM_FLS_DS_SSR_KER
	DATE 08/22/2018

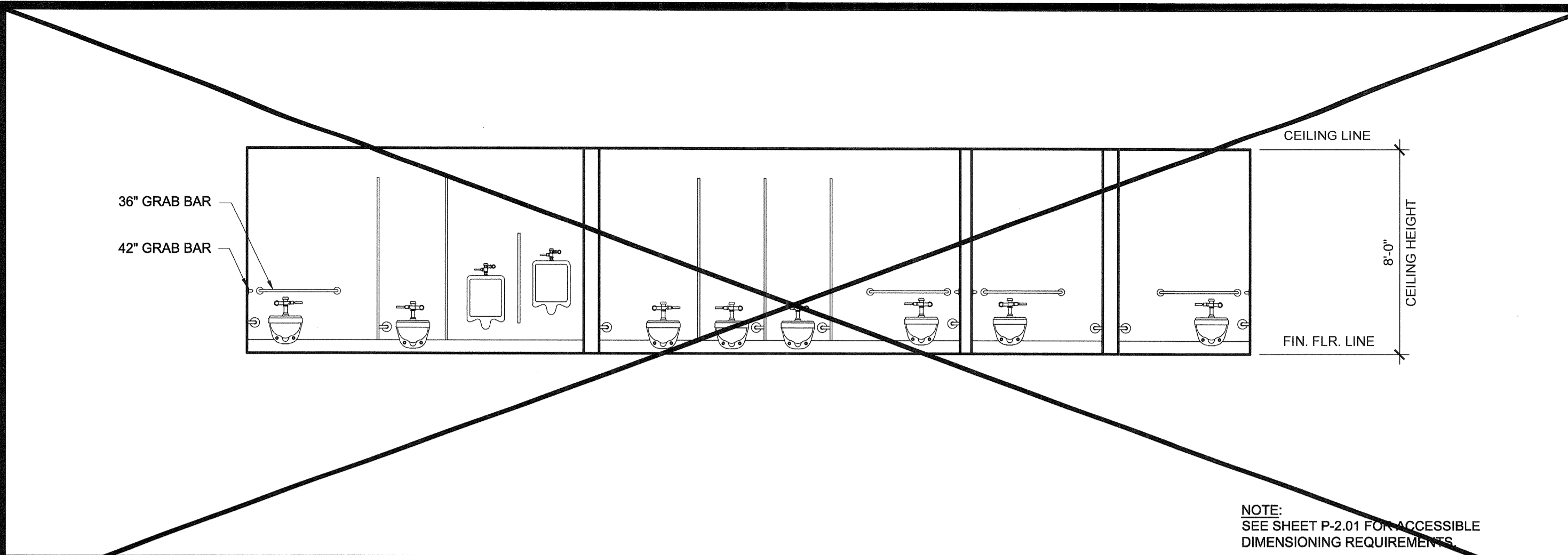
REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

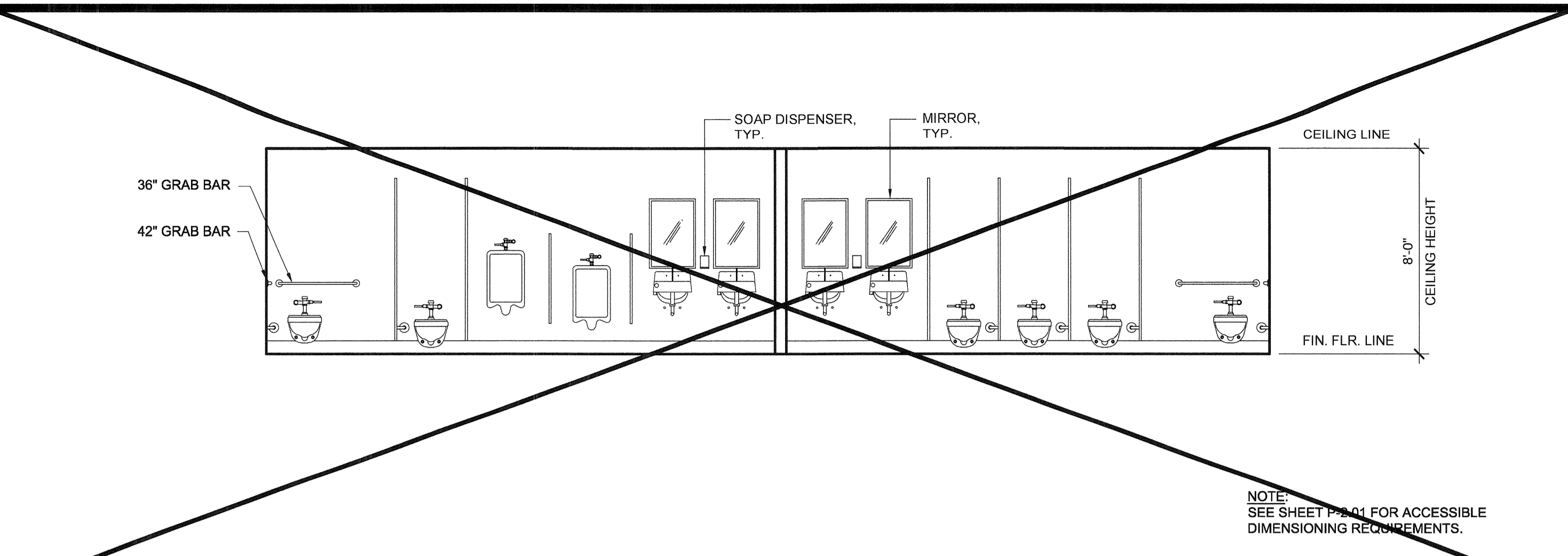
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DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

P.C. SHEET NUMBER

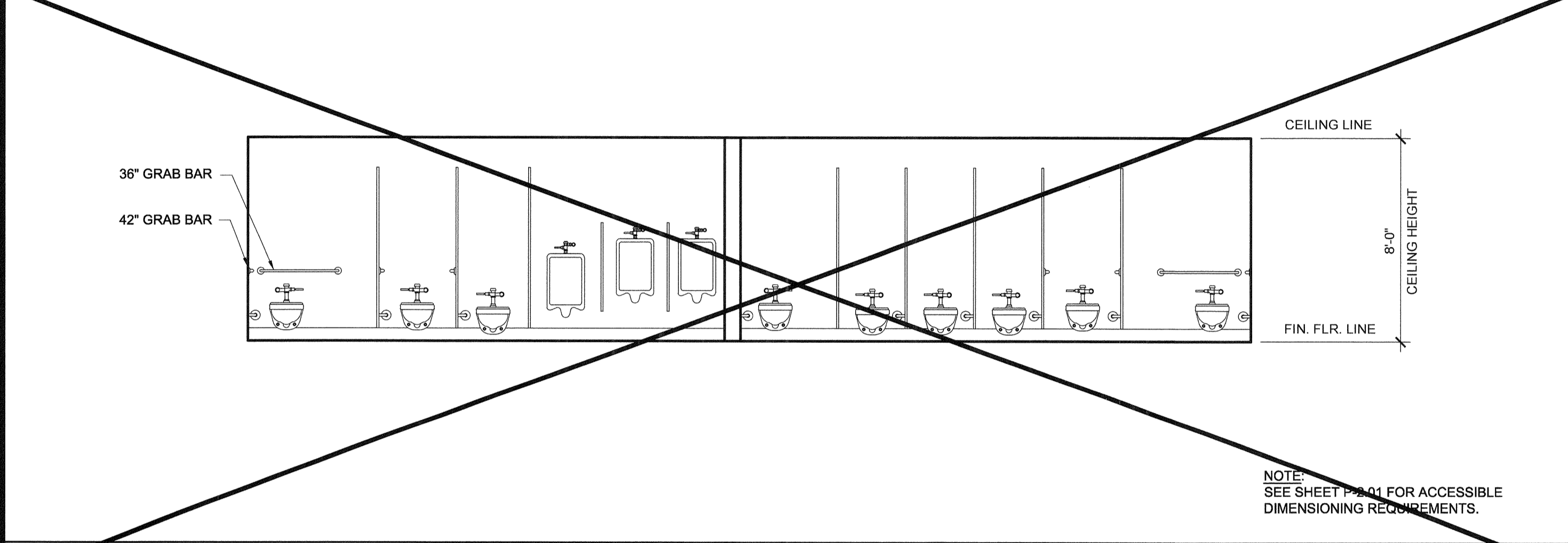
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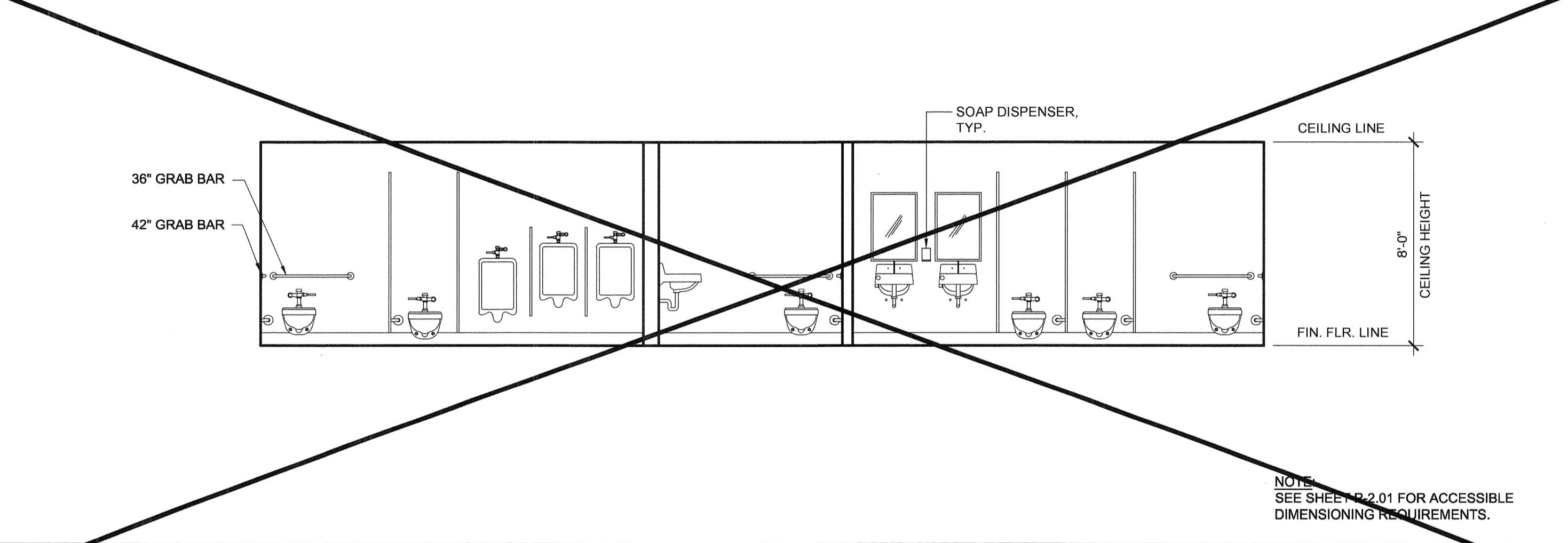
PLUMBING FIXTURE ELEVATION - OPTION C-2 SCALE: 1/4" = 1'-0" 5



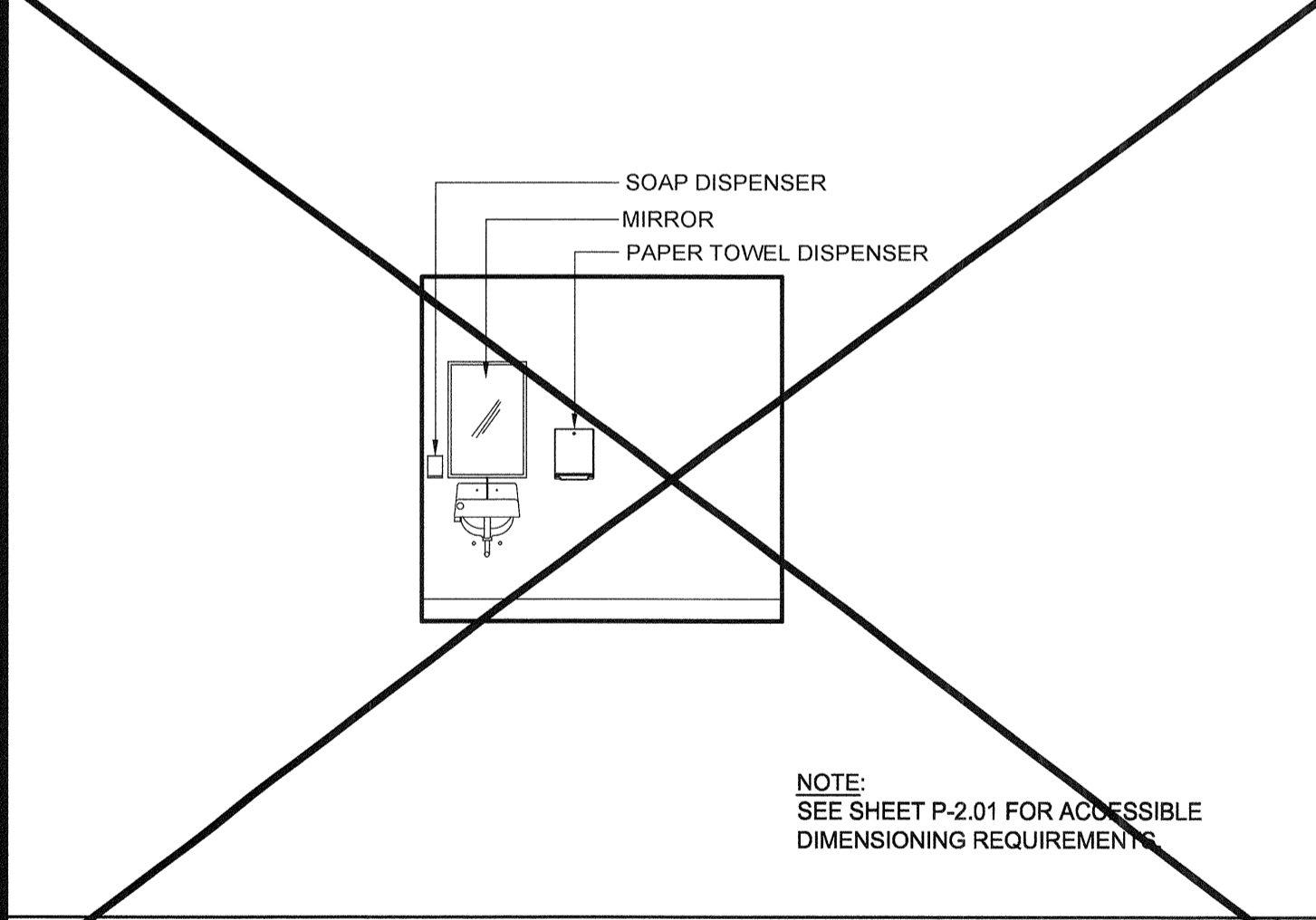
PLUMBING FIXTURE ELEVATION - OPTION A-1 AND A-2 SCALE: 1/4" = 1'-0" 1



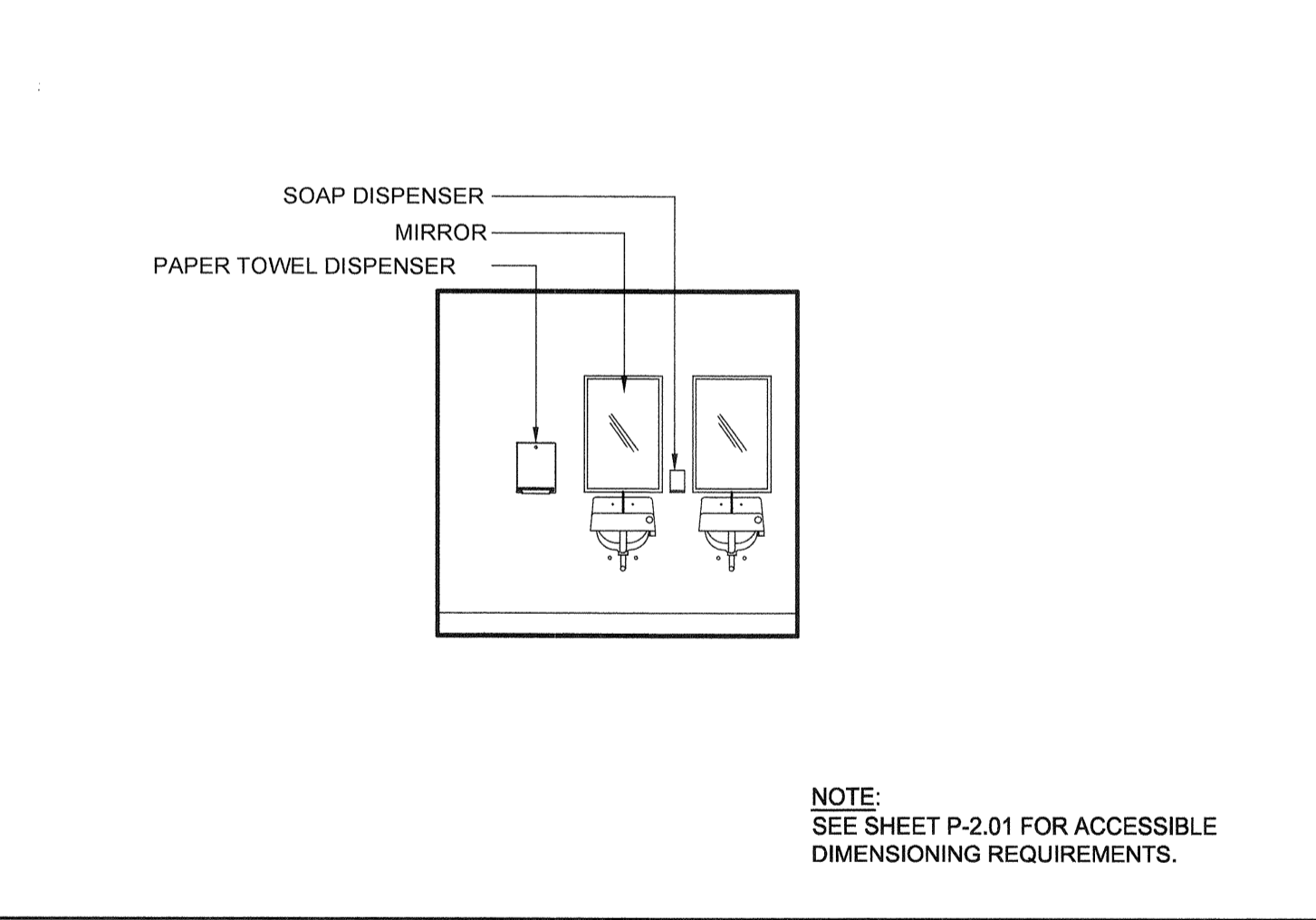
PLUMBING FIXTURE ELEVATION - OPTION D-1 SCALE: 1/4" = 1'-0" 6



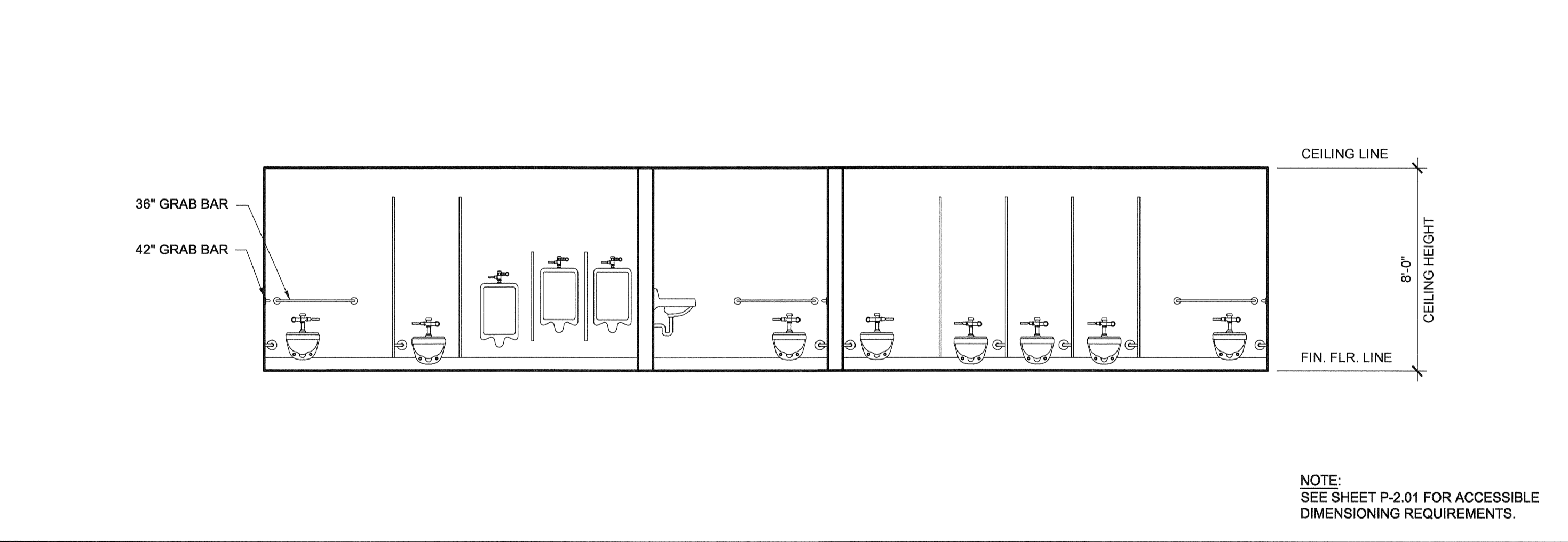
PLUMBING FIXTURE ELEVATION - OPTION B-1 SCALE: 1/4" = 1'-0" 2



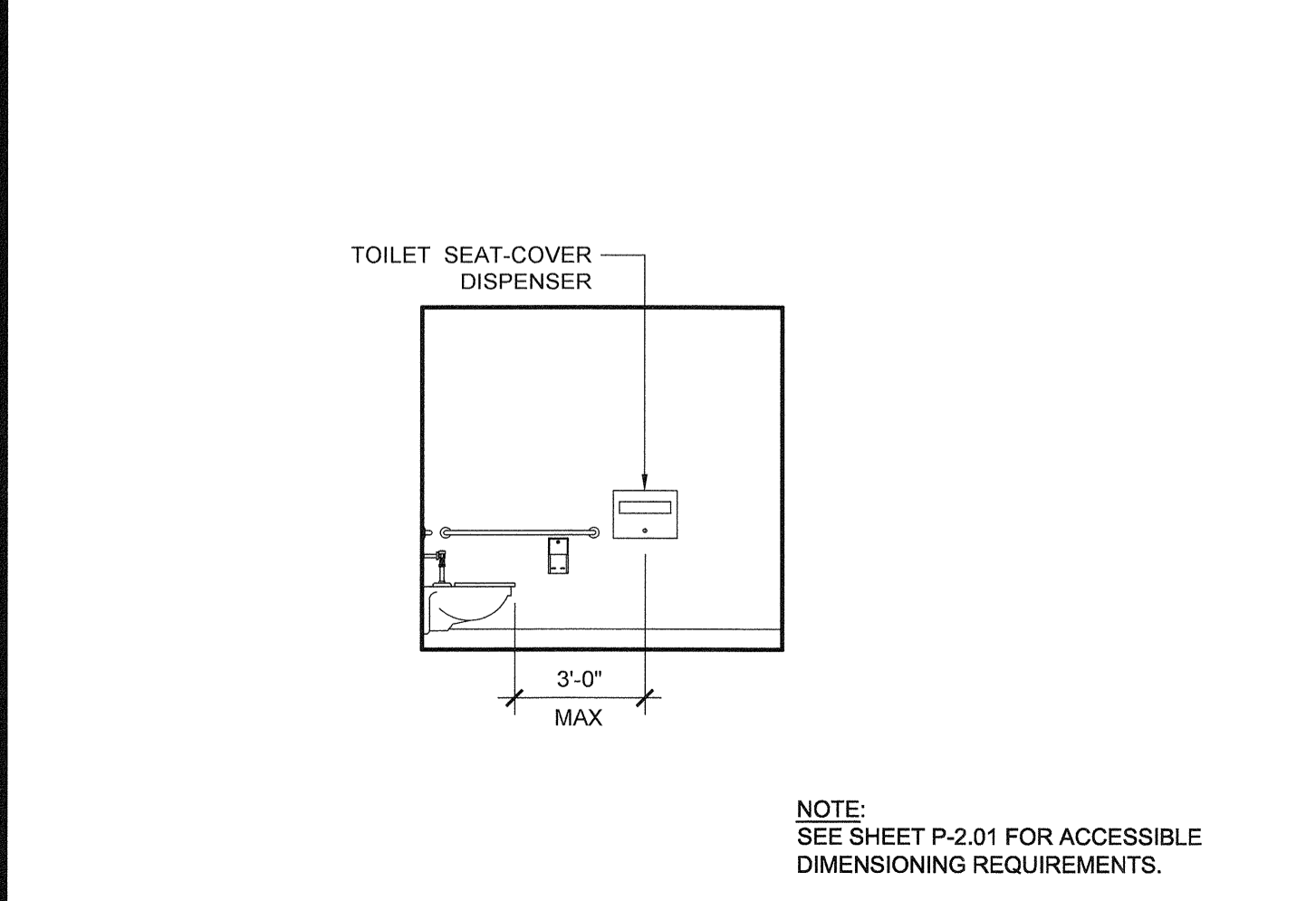
FIXTURE ELEVATION (TYP) - OPTION C-1 & C-2 SCALE: 1/4" = 1'-0" 9



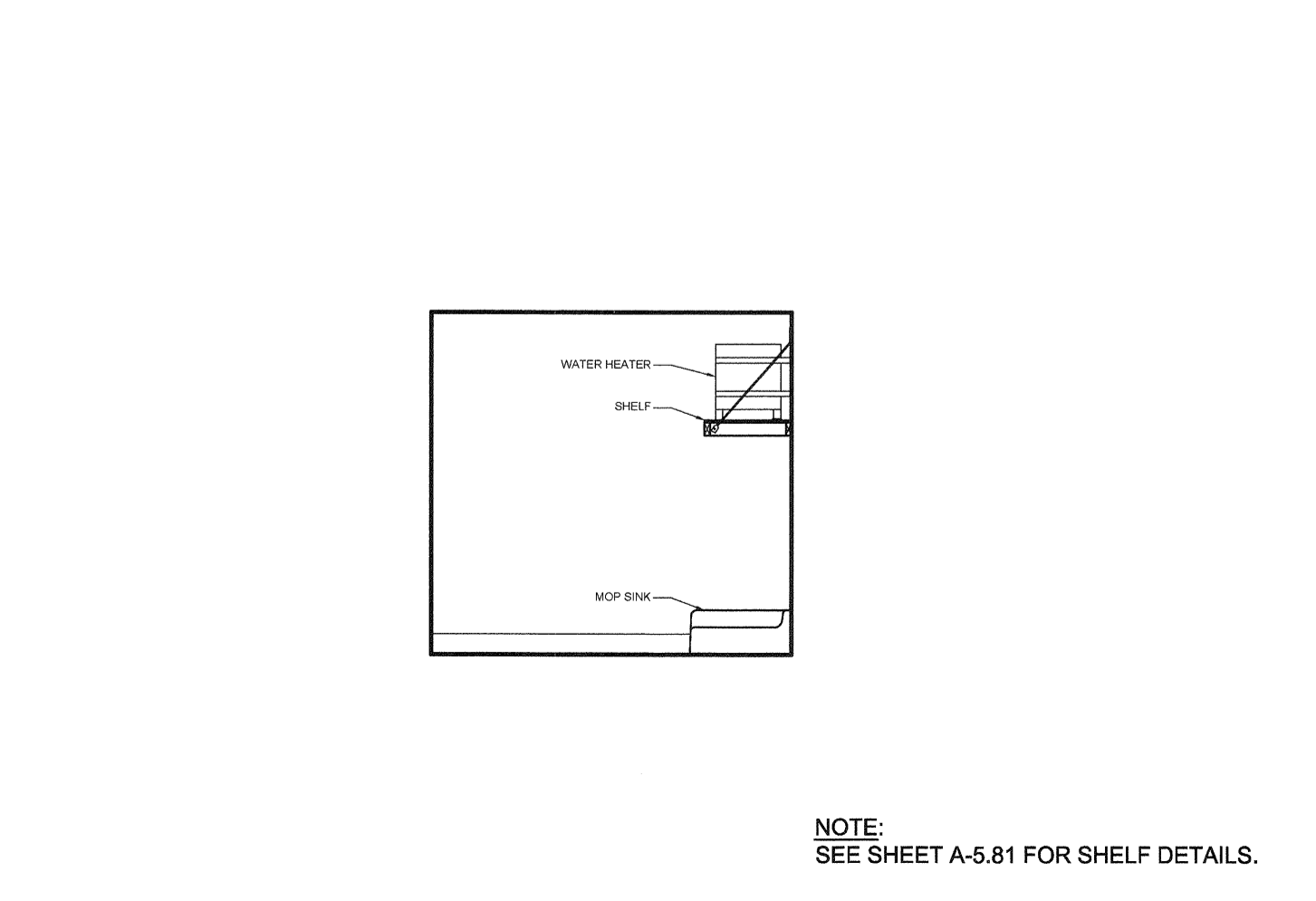
FIXTURE ELEVATION (TYP) - OPTION B-1, B-2, C-2 & D-1 SCALE: 1/4" = 1'-0" 7



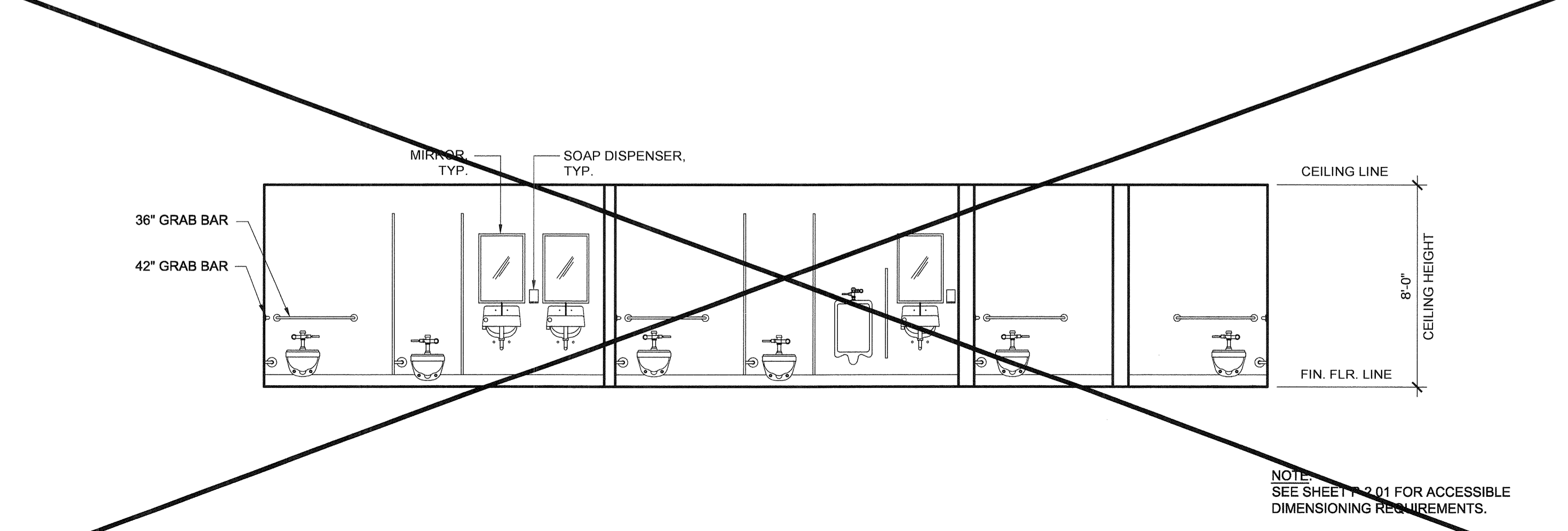
PLUMBING FIXTURE ELEVATION - OPTION B-2 SCALE: 1/4" = 1'-0" 3



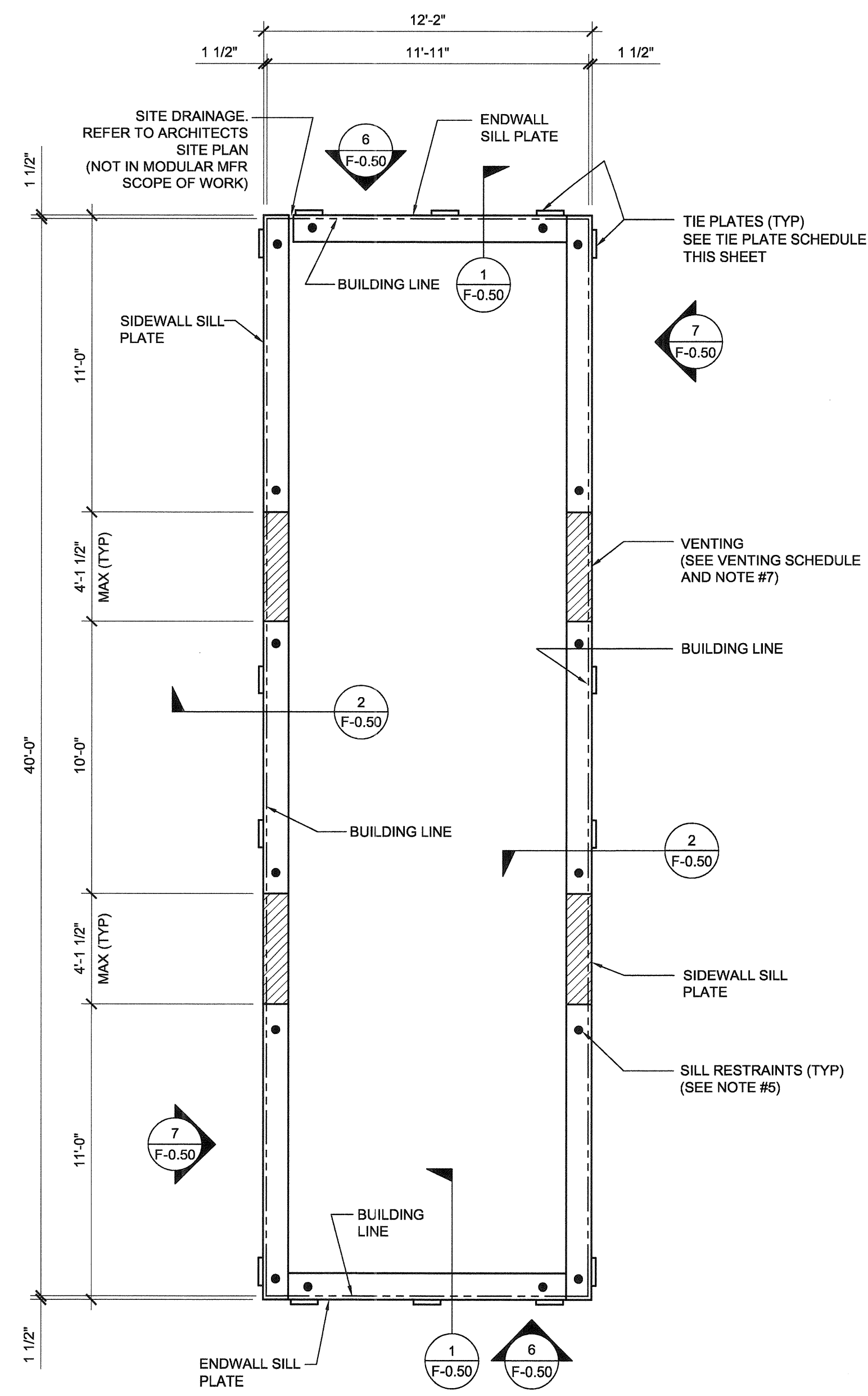
TOILET SEAT COVER DISPENSER ELEVATION SCALE: 1/4" = 1'-0" 10



MOP SINK AND W/H ELEVATION - OPTION B-1 & B-2 SCALE: 1/4" = 1'-0" 8



PLUMBING FIXTURE ELEVATION - OPTION C-1 SCALE: 1/4" = 1'-0" 4



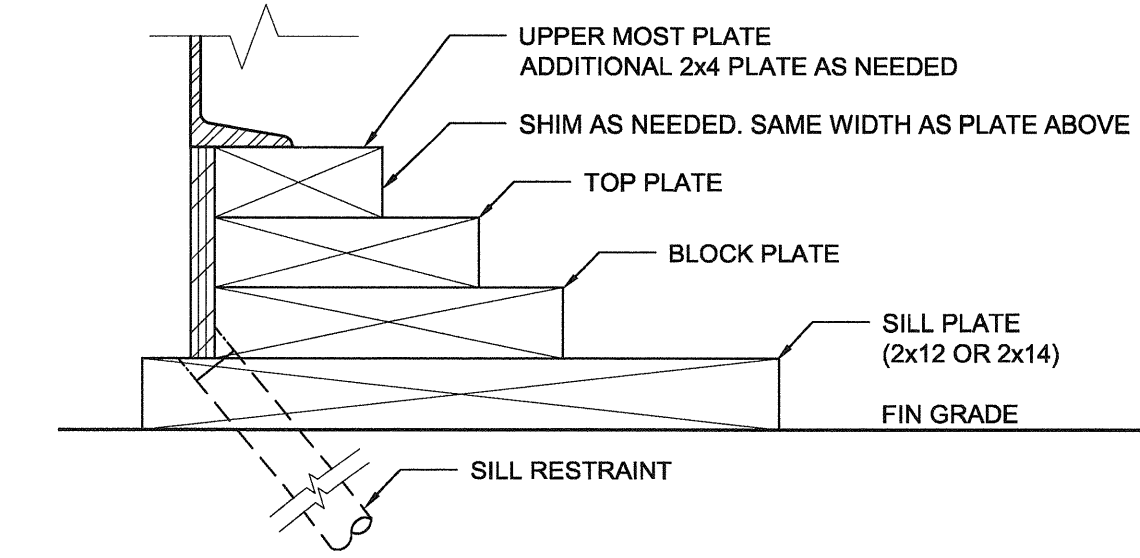
NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

WOOD FOUNDATION PLATE SCHEDULE

50 + 15 PSF

PLATES	END WALL	SIDE WALL
ADDITIONAL (AS NEEDED)	2x4	2x4
TOP	2x6	2x6
BLOCK	2x8 SEE NOTE #10	2x8
SILL	2x12 SEE NOTE #10	2x12

FOUNDATION PLATE DESCRIPTION



NOTES

- BUILDINGS OVER 2160 SF, MUST BE INSTALLED ON A PERMANENT CONCRETE FOUNDATION PER IR 16-1 ITEM 1.4.
- FOUNDATION PLAN HAS A 1/4" ADDED AT EACH MODULE LINE AND DOES NOT MATCH THE FLOOR PLAN. ADDITIONAL LENGTH ADDED FOR GROWTH THAT IS EXPERIENCED WHEN SETTING MULTIPLE MODULAR FLOORS.
- FOUNDATION VENTS THAT OCCUR UNDER RAMP LANDINGS, PROVIDE AN EQUAL AREA OF SCREENED VENT IN LANDING SKIRT.
- WOOD SILL (FOOTING) PLATES SHALL BE PRESSURE TREATED HEM-FIR AND MAY BEAR DIRECTLY ON SOIL OR PAVED SURFACE. GRASS OR TURF SHALL BE CLEARED TO BARE SOIL UNDER THE ENTIRE AREA OF THE BUILDING BY OTHERS. THE WOOD SILL FOOTING PLATE MAY SUPPORT CONTINUOUS BLOCKING AND SHEATHING SKIRT WHICH NEED NOT BE TREATED.
- SILL RESTRAINT:
THE FOUNDATION SHALL BE DESIGNED TO PREVENT SLIDING ON THE SUPPORTING SURFACE BY ATTACHING THE WOOD FOUNDATION PLATES FOR THE BUILDING, RAMPS AND STAIRS TO THE GROUND WITH RESTRAINING DEVICES. AN ACCEPTABLE DESIGN WOULD INCORPORATE ONE-INCH DIAMETER STANDARD WEIGHT (1.315" ACTUAL O.D.) HOT DIPPED GALVANIZED PIPES OR ONE-INCH DIAMETER SOLID STEEL RODS SPACED AT NOT MORE THAN 10'-0" O.C. ONE PIPE / ROD SHALL BE LOCATED A MAXIMUM OF TWO FEET FROM EACH CORNER IN BOTH DIRECTIONS AND A MINIMUM OF TWO PIPES / RODS PER DISCONTINUOUS FOUNDATIONS STRIP. PIPES SHOULD PENETRATE INTO SOIL, CONCRETE, AND/OR PAVING A MINIMUM OF 12" MEASURED VERTICALLY. ALTERNATE OR EQUIVALENT DESIGNS, WHEN PROVIDED WITH STRUCTURAL CALCULATIONS AND DETAILS, WILL BE SUBMITTED TO DSA FOR REVIEW AND APPROVAL.
- STACKED WOOD MEMBERS FOR FOUNDATIONS AND PRESSURE TREATED LUMBER SHALL BE NAILED WITH HOT DIPPED GALVANIZED PER ASTM A-153.
- VENTILATION OPENINGS SHALL BE COVERED FOR EITHER HEIGHT AND WIDTH WITH CORROSION - RESISTANT WIRE MESH, WITH A CLEAR "THROUGH" DIMENSION NOT EXCEEDING 1/8" ACTING AS A VERMIN BARRIER.
- VENTING CALCULATION REQUIREMENTS FOR MULTIPLE BUILDING SETS MUST BE CALCULATED WITH OVERALL SQUARE FOOTAGE INCLUDING SEPARATION.
- FOR FOUNDATION ANCHORAGE ON CONCRETE PAD, SEE DETAIL 15/F0.50.
- IF OPTIONAL ENDWALL VENTS ARE APPLIED, SILL PLATE AND BLOCK PLATE MUST BE CONTINUOUS. VENT OPENINGS SHALL BE BROKEN ABOVE THE BLOCK PLATE.
- FOR FOUNDATION SPLICE - SEE 5/F-0.50.
- CRAWLSPACE VAPOR RETARDERS (OPTIONAL):
THE OPTIONAL TOTAL AREA OF VENTILATION OPENINGS IS PERMITTED TO BE REDUCED TO 1/1500 FACTOR WITH AN APPROVED VAPOR RETARDER MATERIAL PER CBC SECTION 1203.4.2 (2).
MATERIALS:
GROUND SURFACE COVERED WITH AN APPROVED VAPOR RETARDER MATERIAL; MUST HAVE A PERM RATING OF ONE OR LESS; SHOULD BE CONTINUOUS; POLYETHYLENE FILM (≥ 6 MIL); POOL LINER (PUNCTURE RESISTANT); AND POLYETHYLENE FILM WITH RAT SLAB INSTALLATION RECOMMENDATIONS:
OVERLAP JOINTS BY 6 INCHES; TAPE OR SEAL ALL JOINTS; ATTACH VAPOR RETARDER OVER SILL PLATE PER 10/F0.50; SEAL TO ALL PIERS AND OTHER PENETRATIONS.
- ENDWALL VENTS (IF REQ'D) SHALL BE LOCATED A MIN OF 24" FROM BUILDING CORNERS. MAXIMUM ONE ENDWALL VENT PER 12'-0" MODULE.
- CONCRETE FLOOR LOAD IS INCLUDED IN THE CONCRETE FOUNDATION OPTION FOR FOUNDATION & ANCHORAGE DESIGN, I.E. THERE IS NO CONCRETE FLOOR FOR WOOD FOUNDATION OPTION. THERE IS CONCRETE FLOOR FOR CONCRETE FOUNDATION OPTION.
- IF PARAPET IS HIGHER THAN 18". COMBINATION REQUIRES A 2 X 14" OR 2 X 16" SILL PLATE @ EXTERIOR OF BUILDING.
- 150 PSF FLOOR LIVE LOAD OPTION CANNOT BE USED WITH THE STUCCO WALL OR PARAPET OPTION.
- VENTS AT MODLINE FOUNDATIONS. THE MINIMUM CRITERIA REQUIREMENT AS FOLLOWS:
A. VENTS HAVE A MINIMUM OF 2 SILL /BLOCKING PLATES BENEATH.
B. VENTS ARE A MAXIMUM OF 6" LONG x 3" MIN. HIGH.
C. VENTS ARE SPACED A MINIMUM OF 8" APART (EDGE TO EDGE) AND 24" MIN. FROM CORNERS.
- WHERE THE BUILDING OCCURS ON OR ADJACENT TO A SLOPE (GREATER THAN 33%) THE SETBACK SHALL COMPLY WITH CBC SECTION 1808A.7. THE MINIMUM SETBACK AT THE TOP OF THE SLOPE SHALL BE NOT LESS THAN SMALLER OF 40'-0" OR 1/3 THE HEIGHT OF THE SLOPE. THE MINIMUM SETBACK AT THE BOTTOM OF THE SLOPE SHALL BE NOT LESS THAN THE SMALLER OF 15'-0" OR 1/2 THE HEIGHT OF THE SLOPE. THE SETBACK DISTANCES INDICATED HERE MAY BE REDUCED WHEN A SITE SPECIFIC GEOTECHNICAL REPORT IS PROVIDED.

NAILING SCHEDULE

BUILDING SIZE	(2) 16d BOX NAILS PLATE TO PLATE ATTACHMENT BELOW UPPER MOST PLATE
12' x 40'	8" OC AT ENDWALL - 1 / F-0.50 12" OC AT SIDEWALL - 2 / F-0.50

VENTING SCHEDULE

BUILDING SIZE	BUILDING AREA	REQUIRED VENTING	SIDE VENTING	TOTAL VENTING SUPPLIED
12' x 40'	480 SF	3.2 SF (1/150)	4.125' x 3" = (4) 1.03 SF/EA	4.12 SF SEE NOTE #8

TIE PLATE SCHEDULE (14 / F-0.50)

BUILDING SIZE	SIDE WALL TIE PLATES	END WALL TIE PLATES	TOTAL NUMBER OF TIE PLATES
12' x 40'	4	3	14

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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:

**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**WOOD
FOUNDATION PLAN
12x40
(50 + 15 PSF)**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
DATE: 08/22/2018

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183

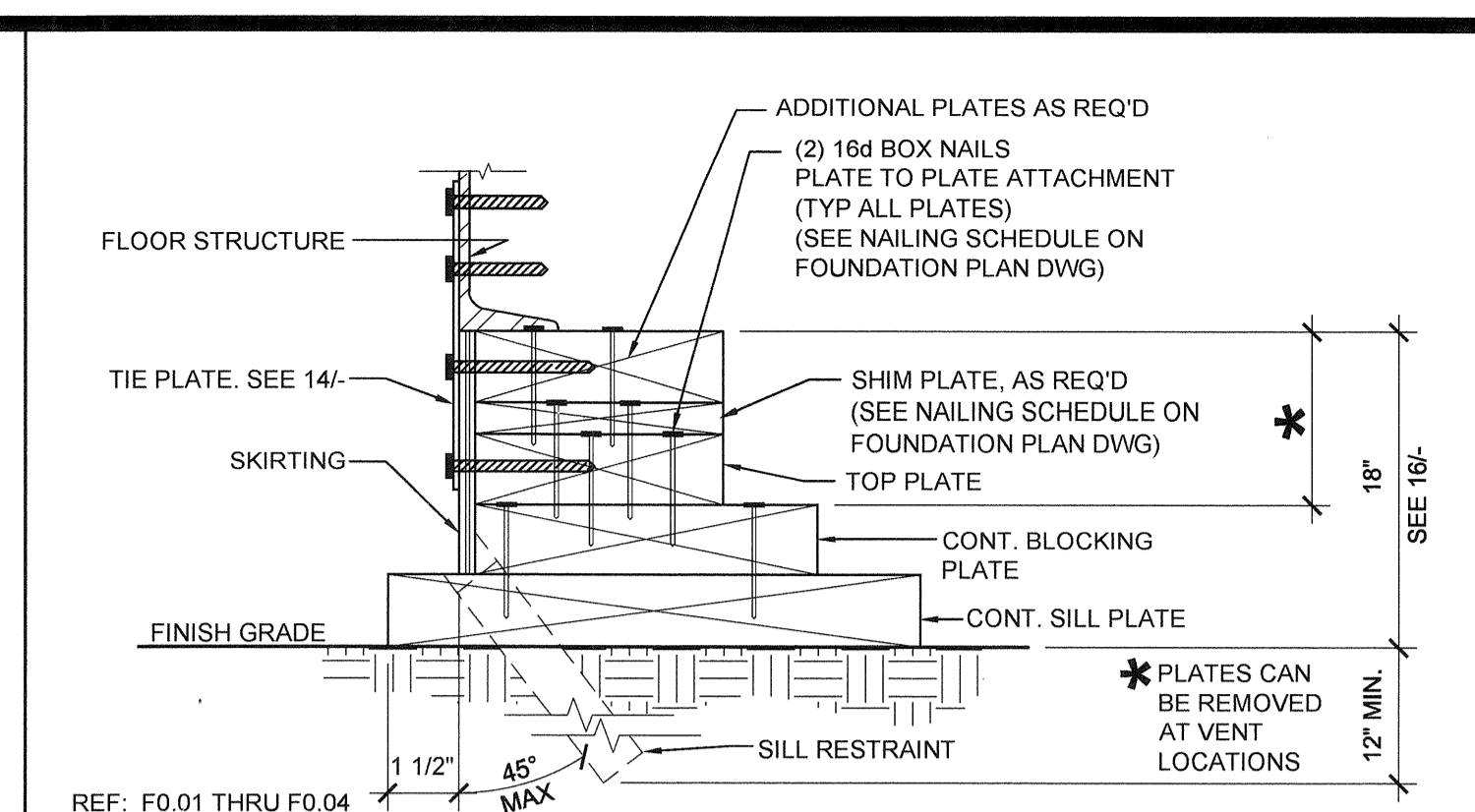
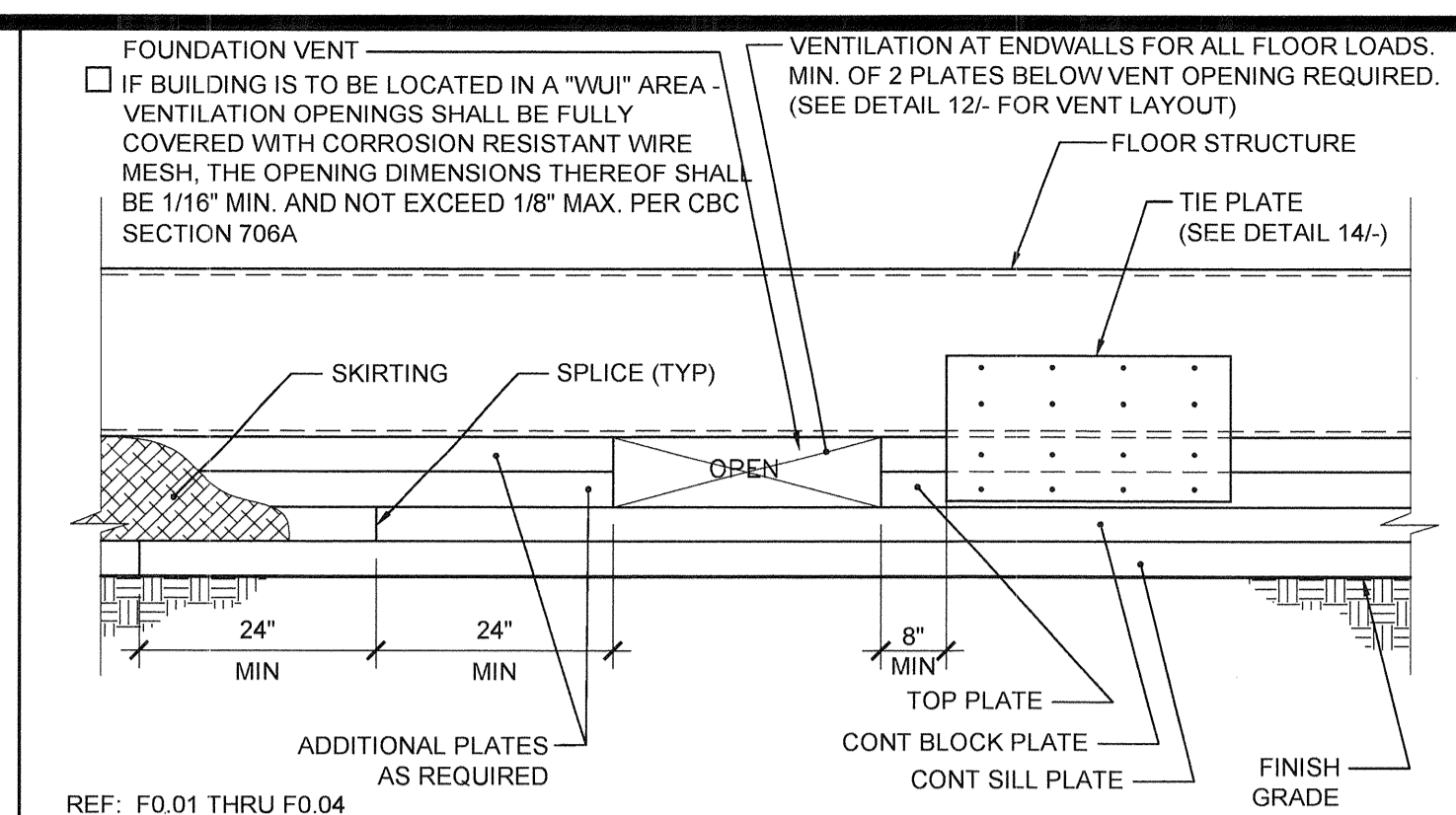
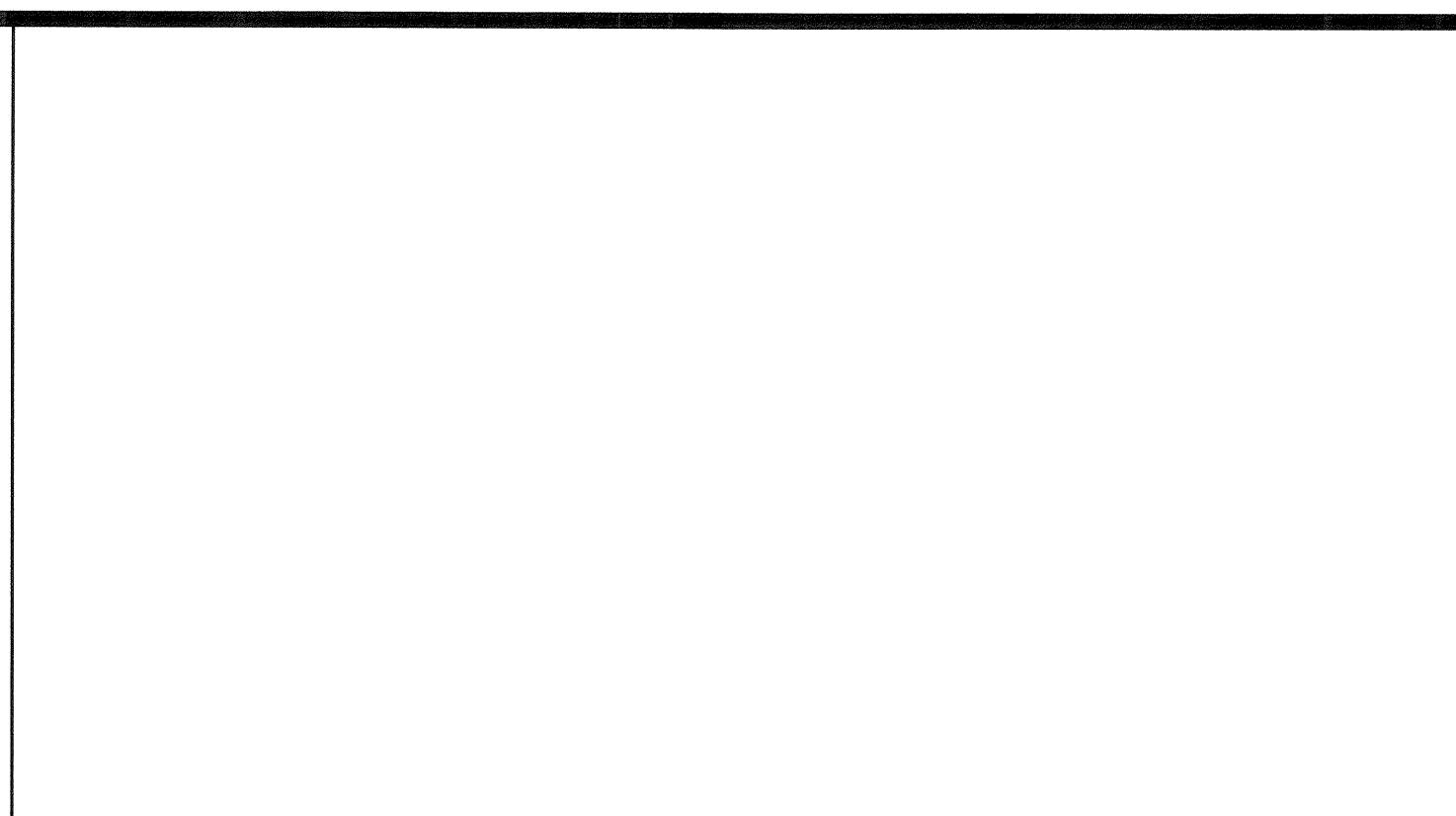
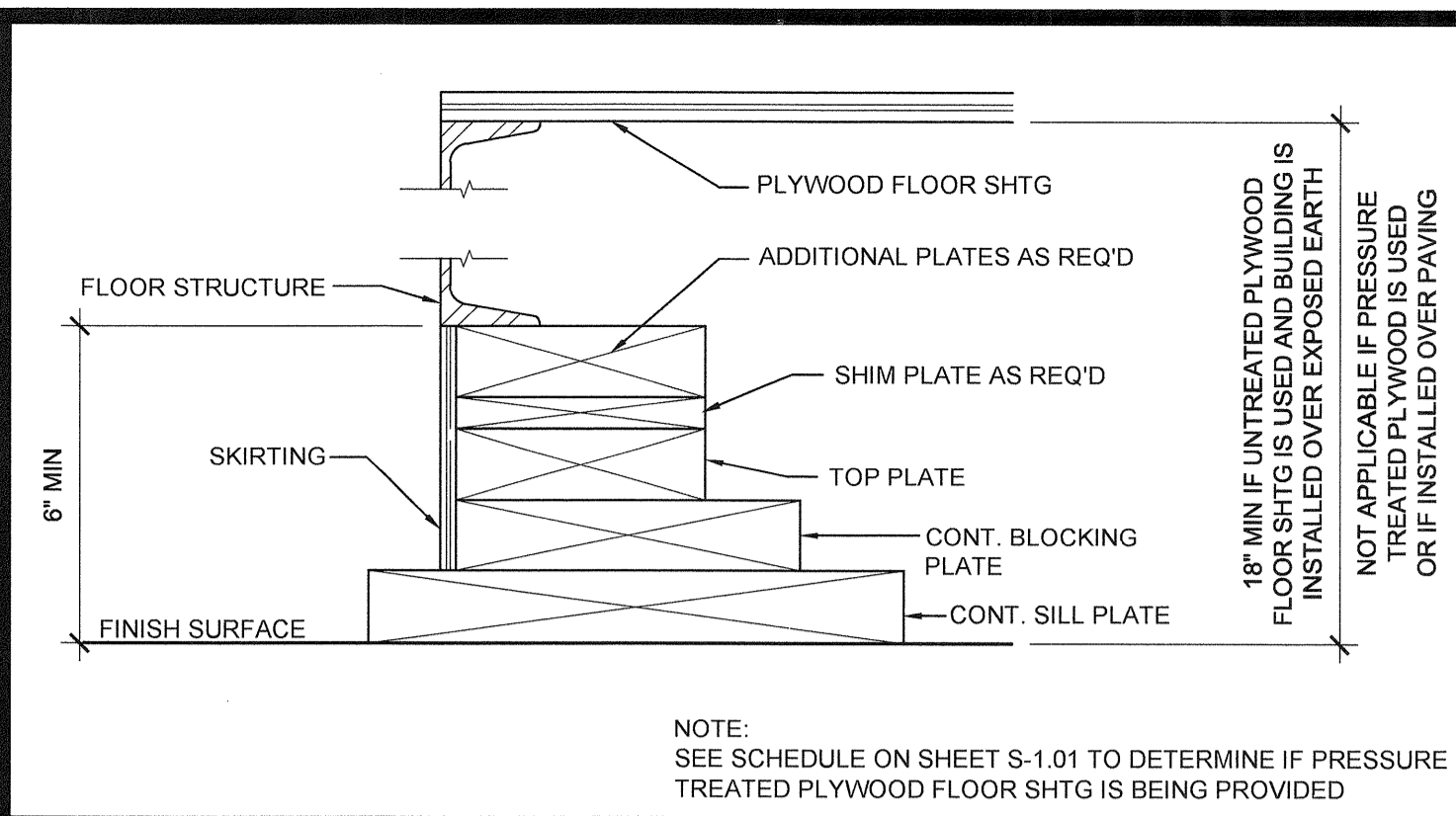
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F-0.02



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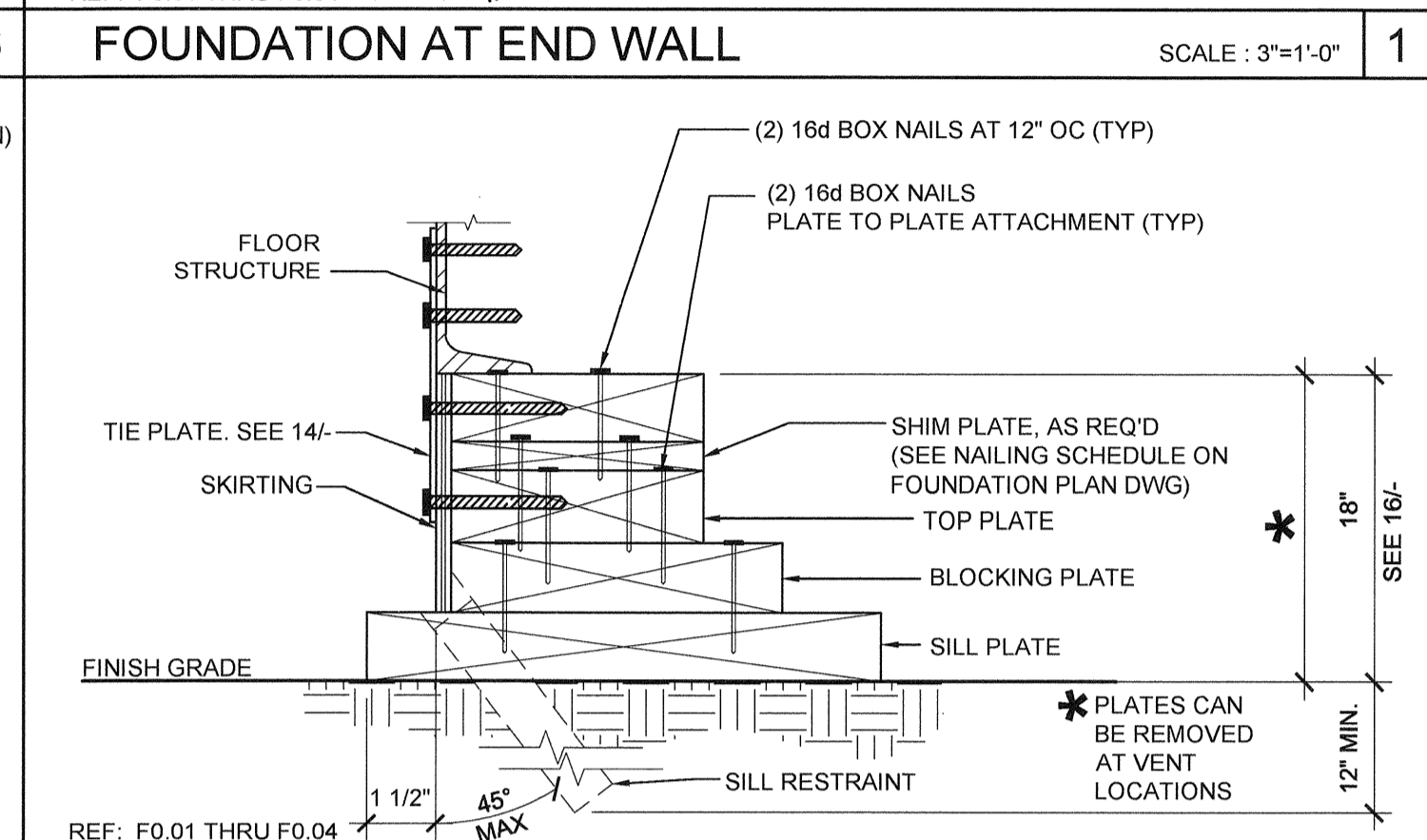
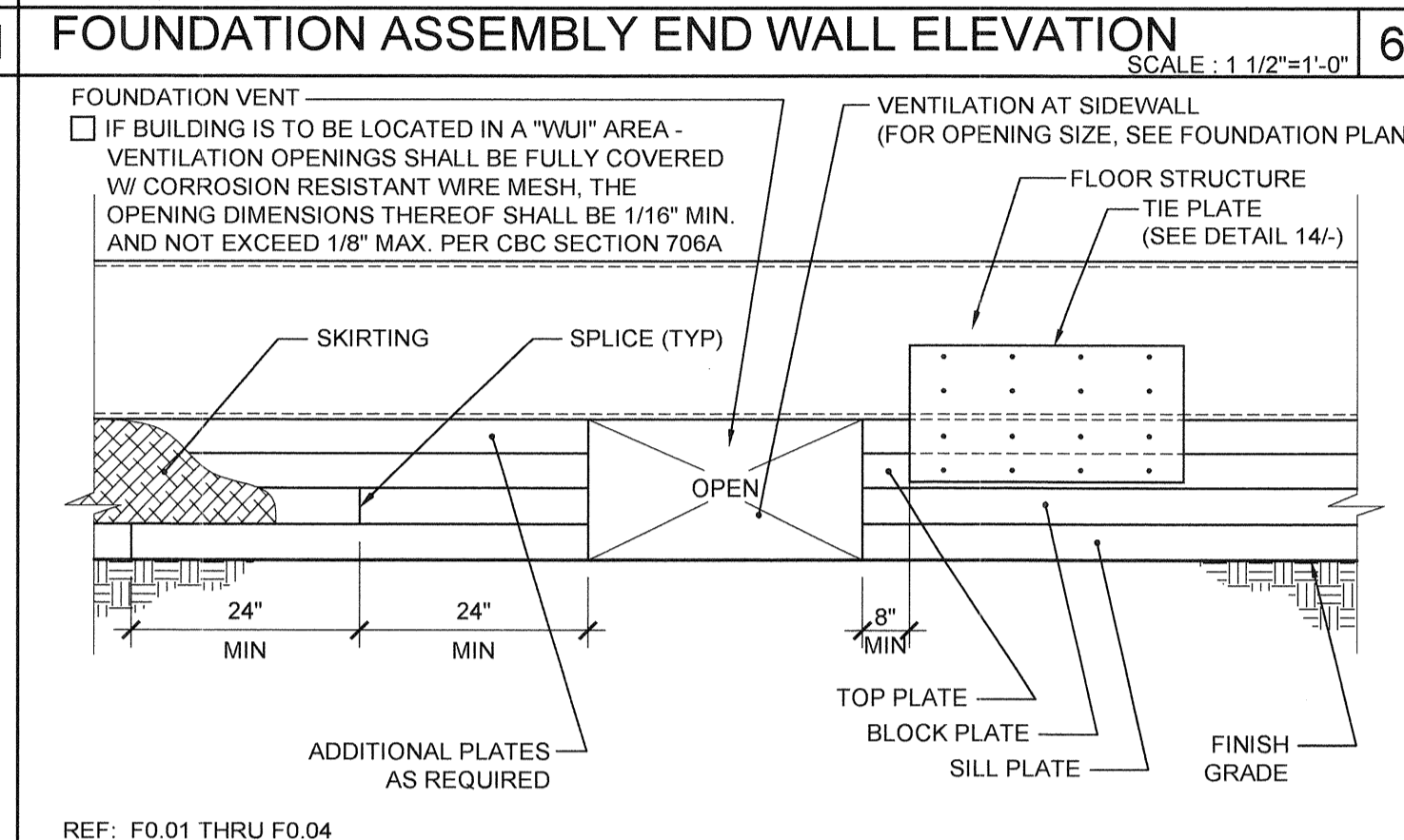
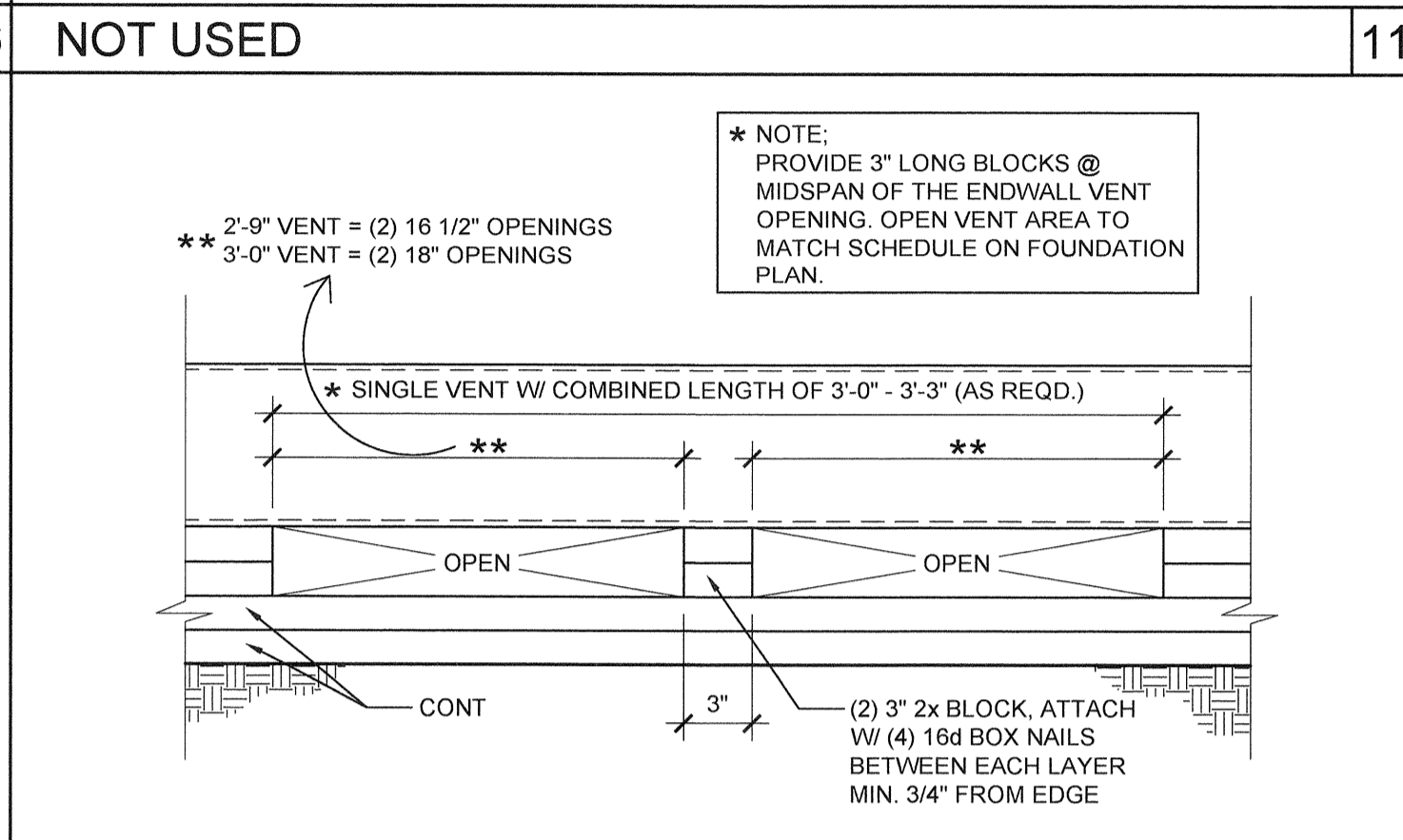
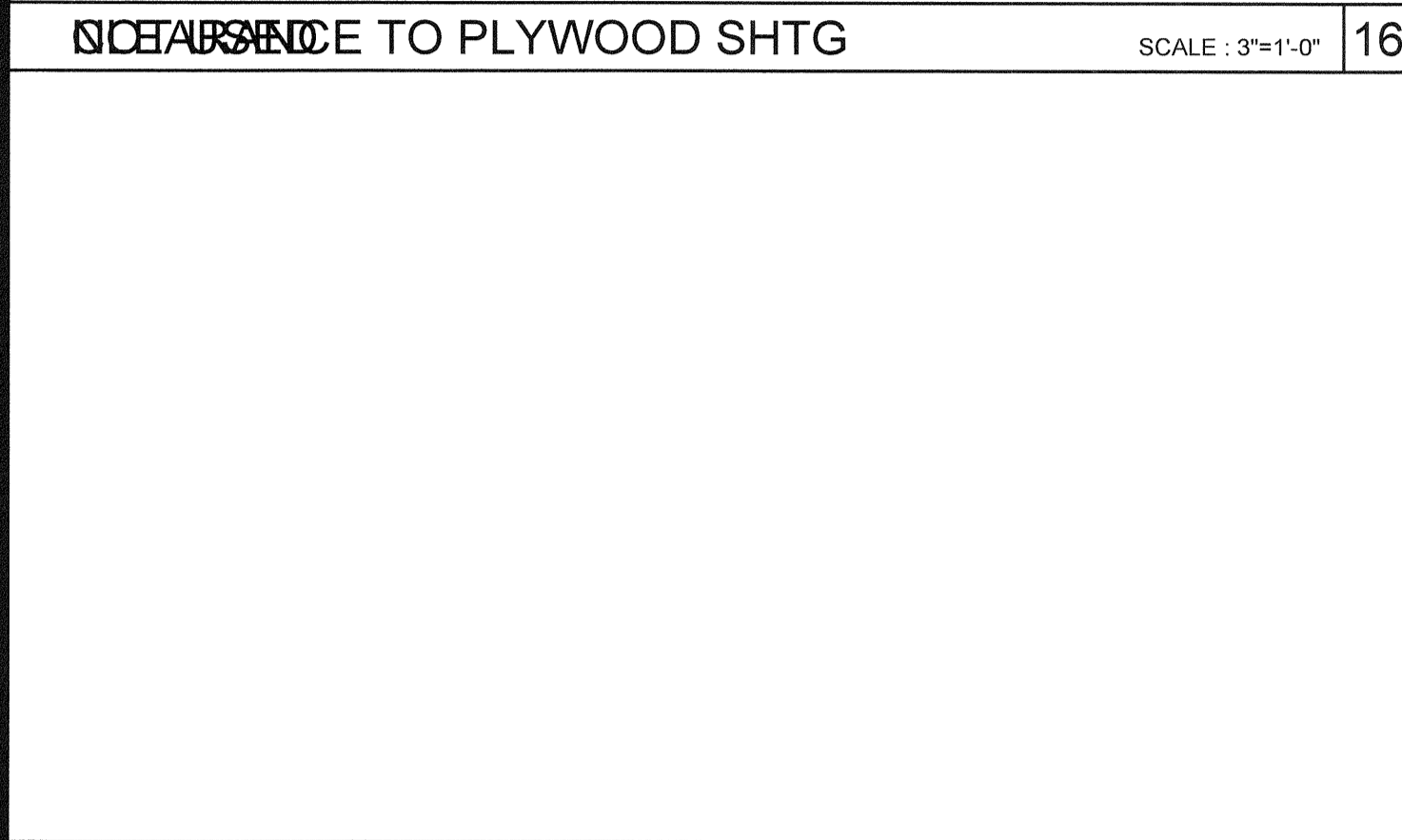
SILVER CREEK INDUSTRIES, INC.

SILVER CREEK

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

PROJECT NAME:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**FOUNDATION DETAILS
WOOD**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECKED DOCUMENT FOR CONSTRUCTION
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

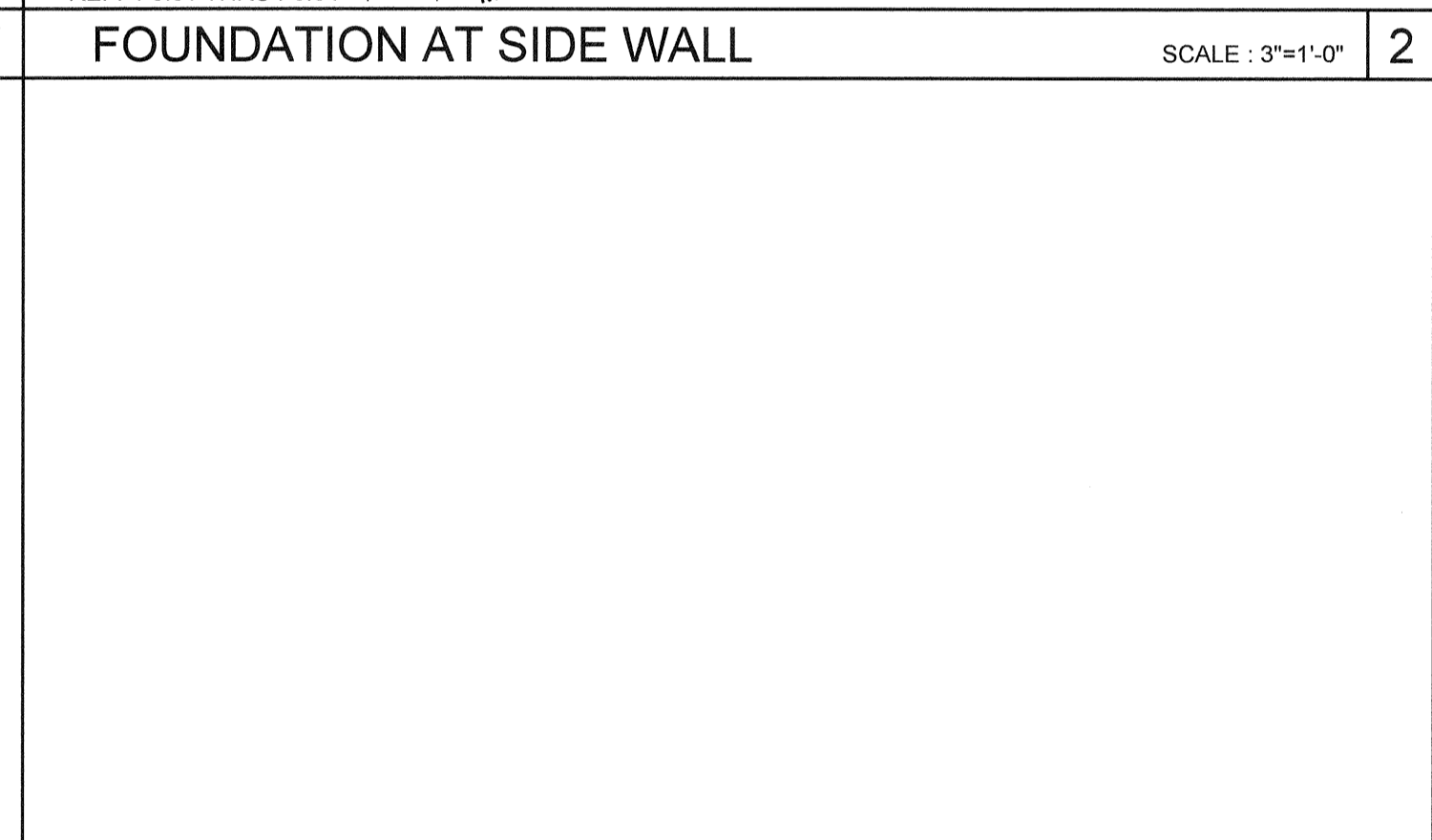
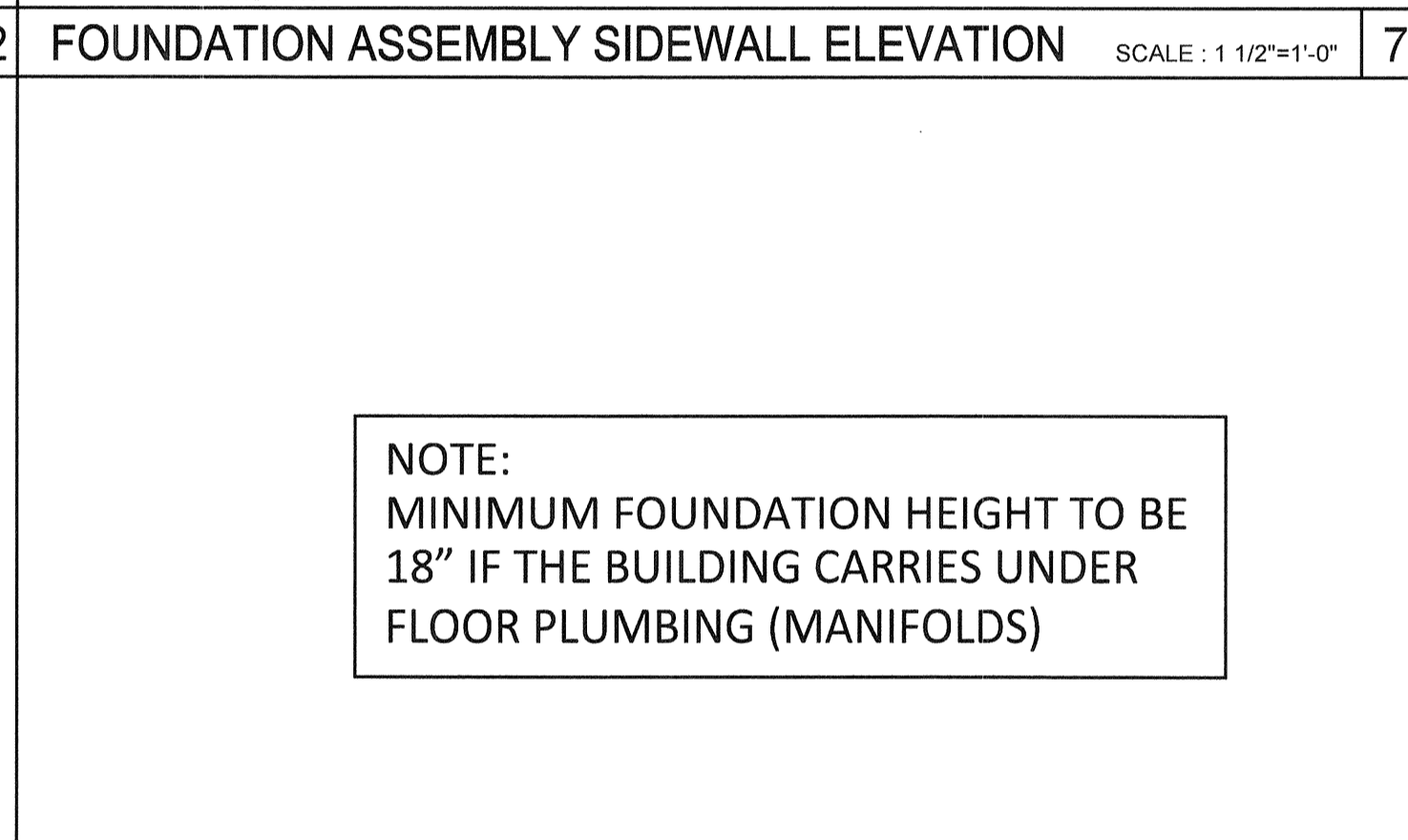
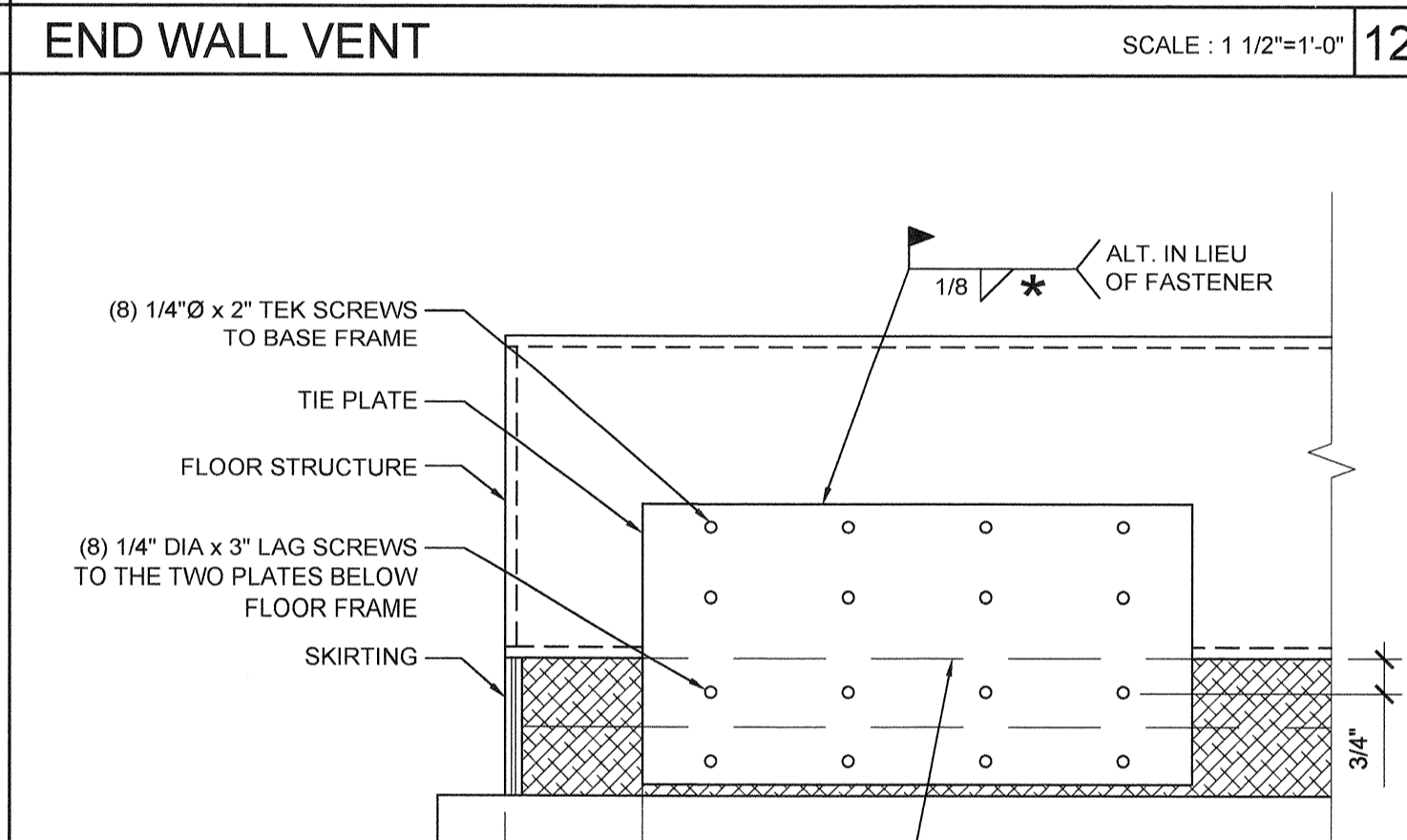
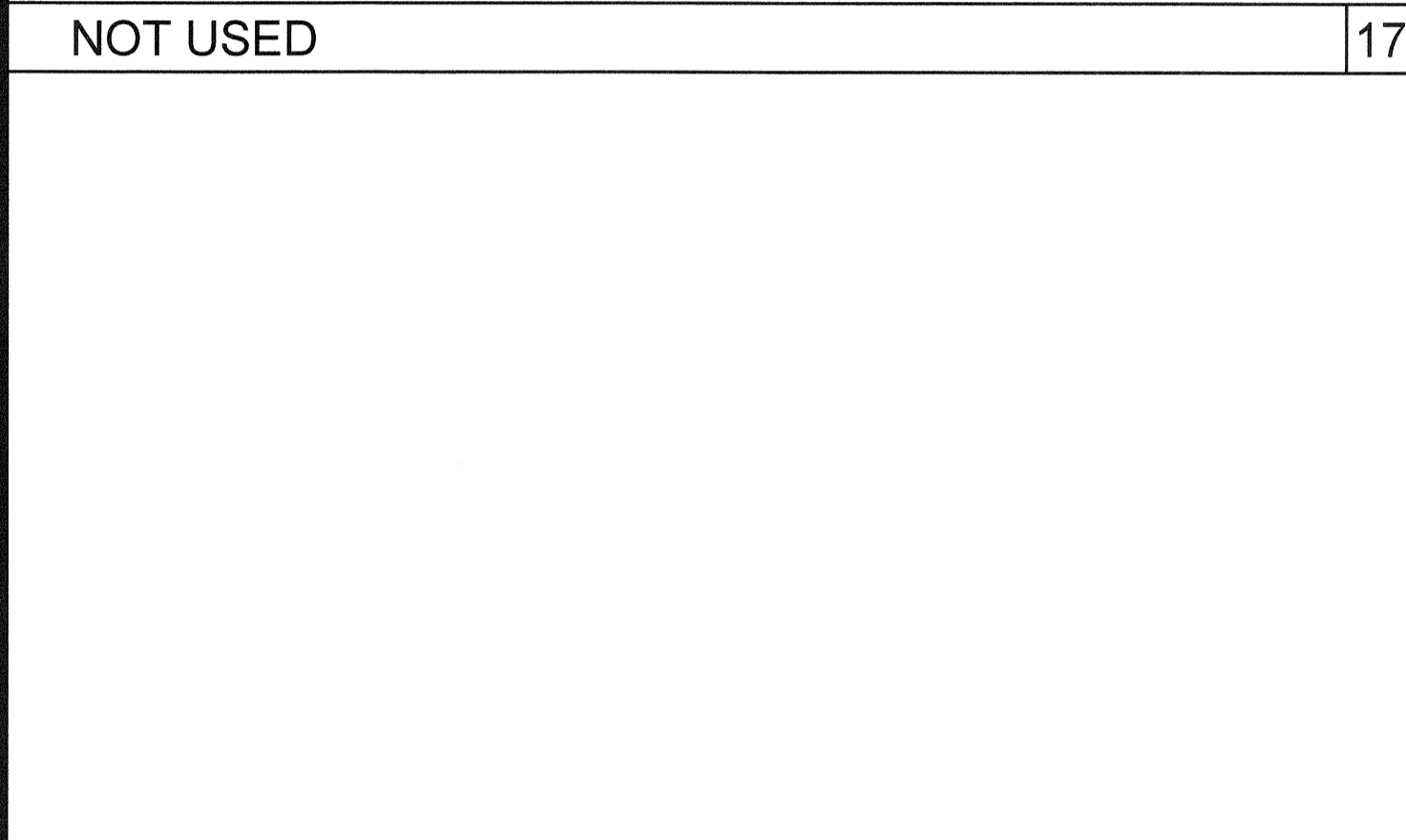
FILE NUMBER: 33-SILVER
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04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12 x 40' PC

PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

P.C. SHEET NUMBER
F-0.50



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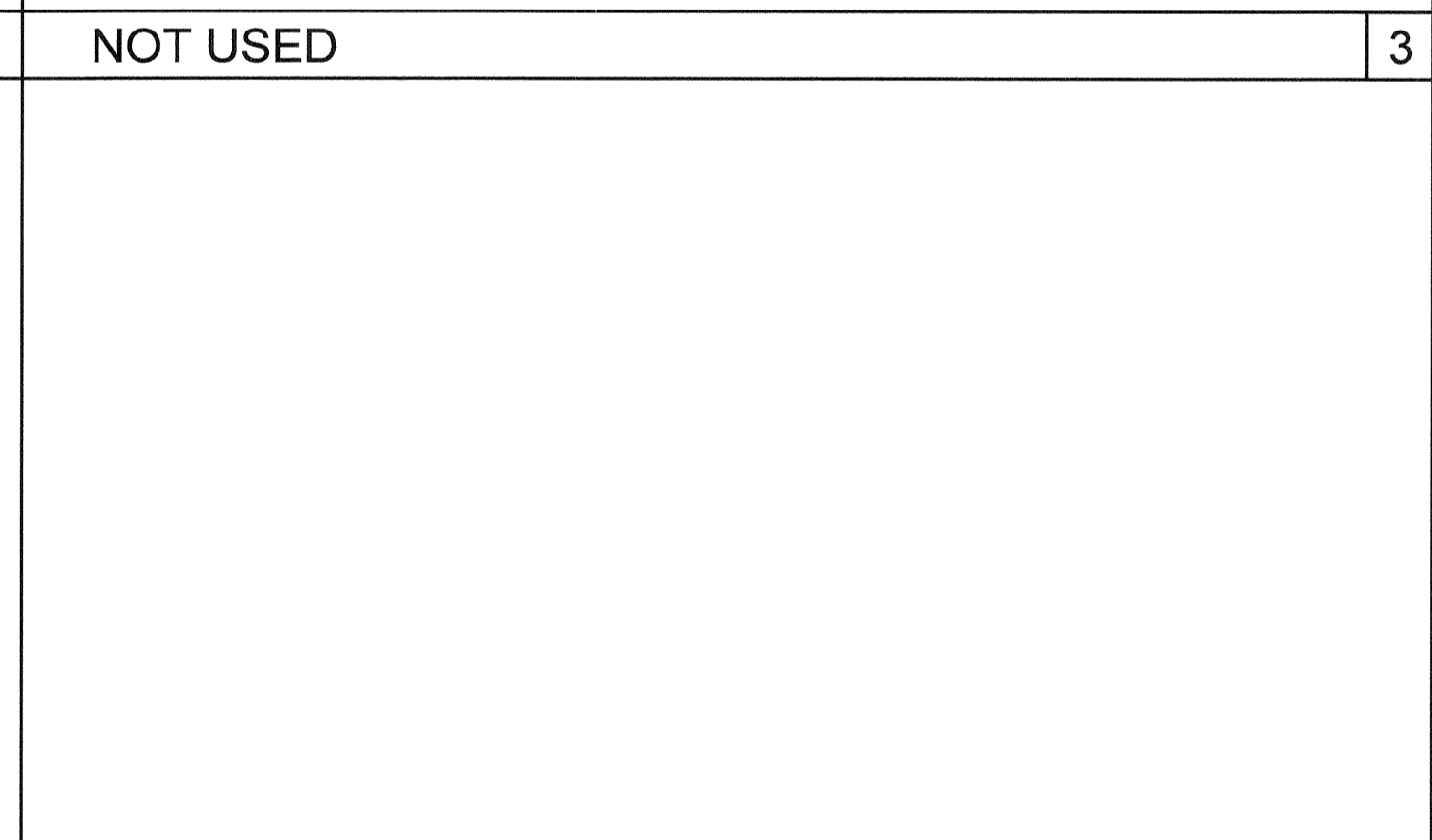
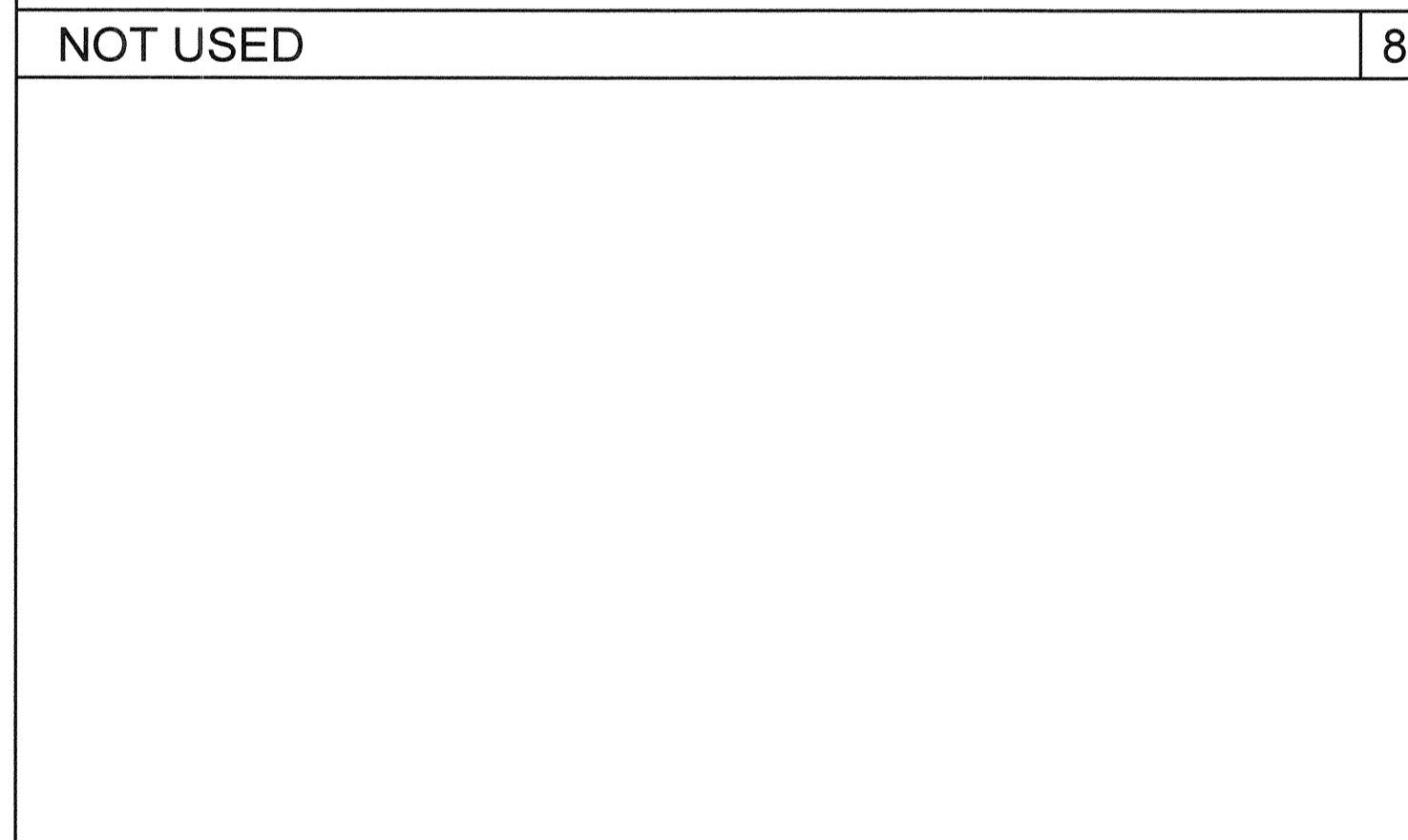
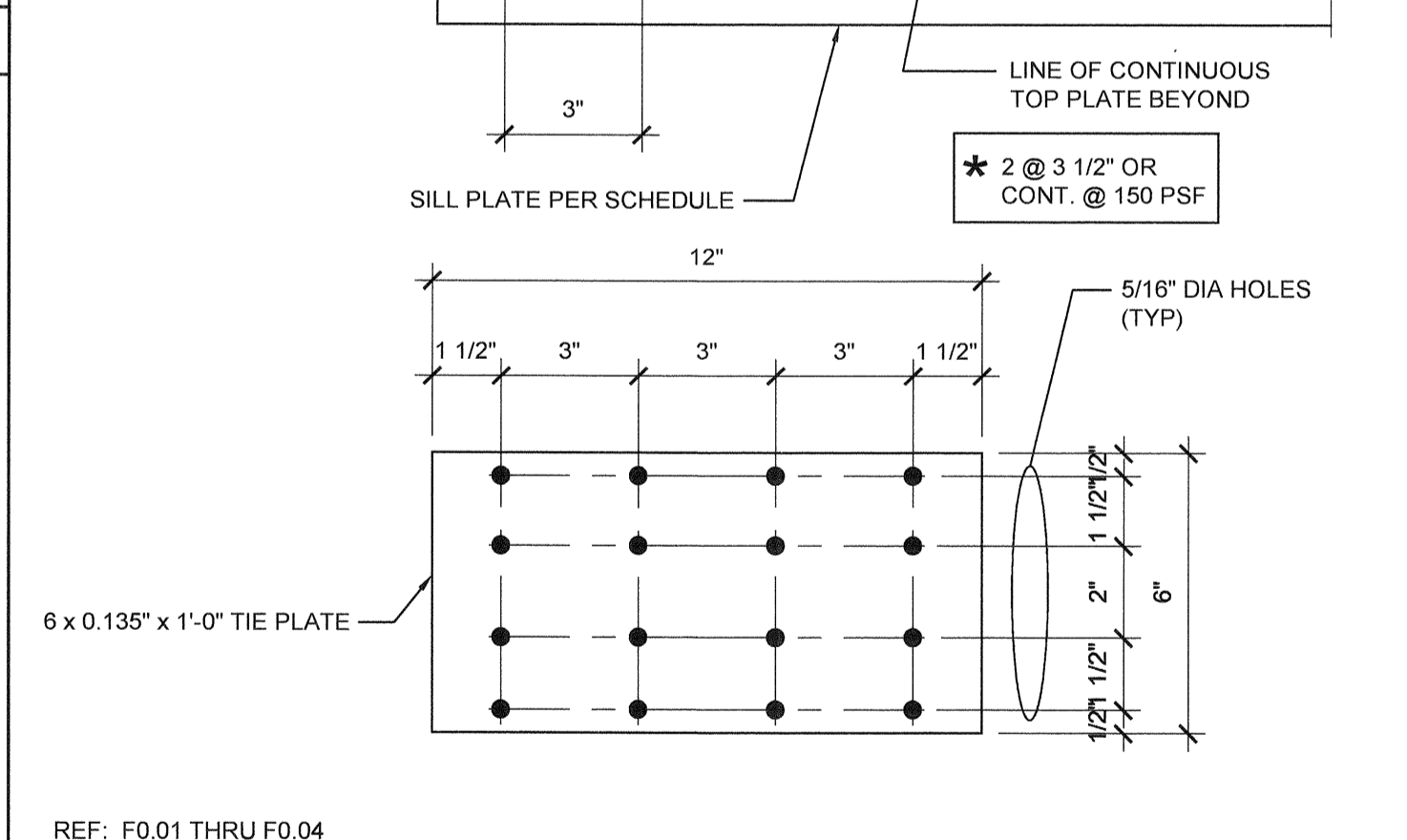
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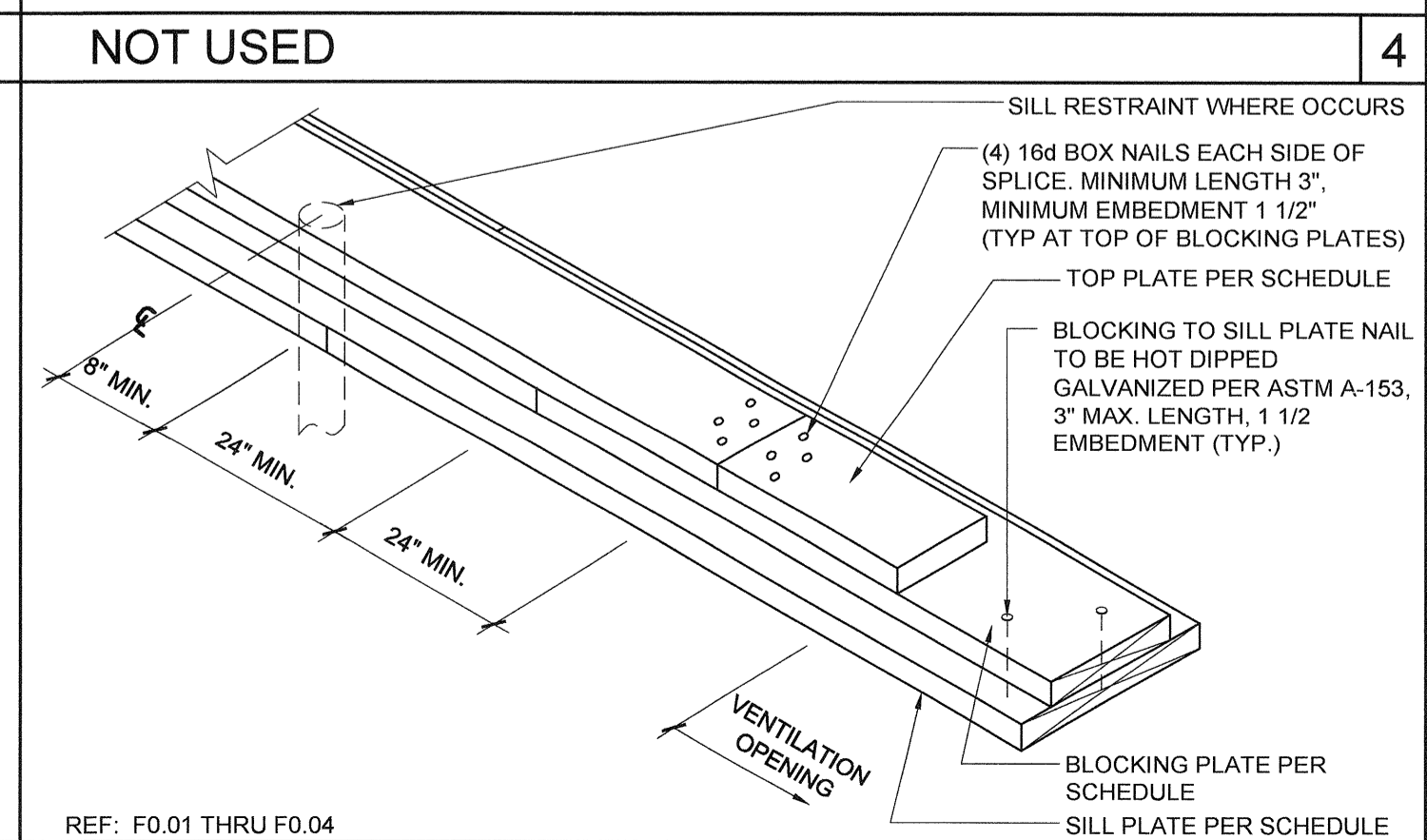
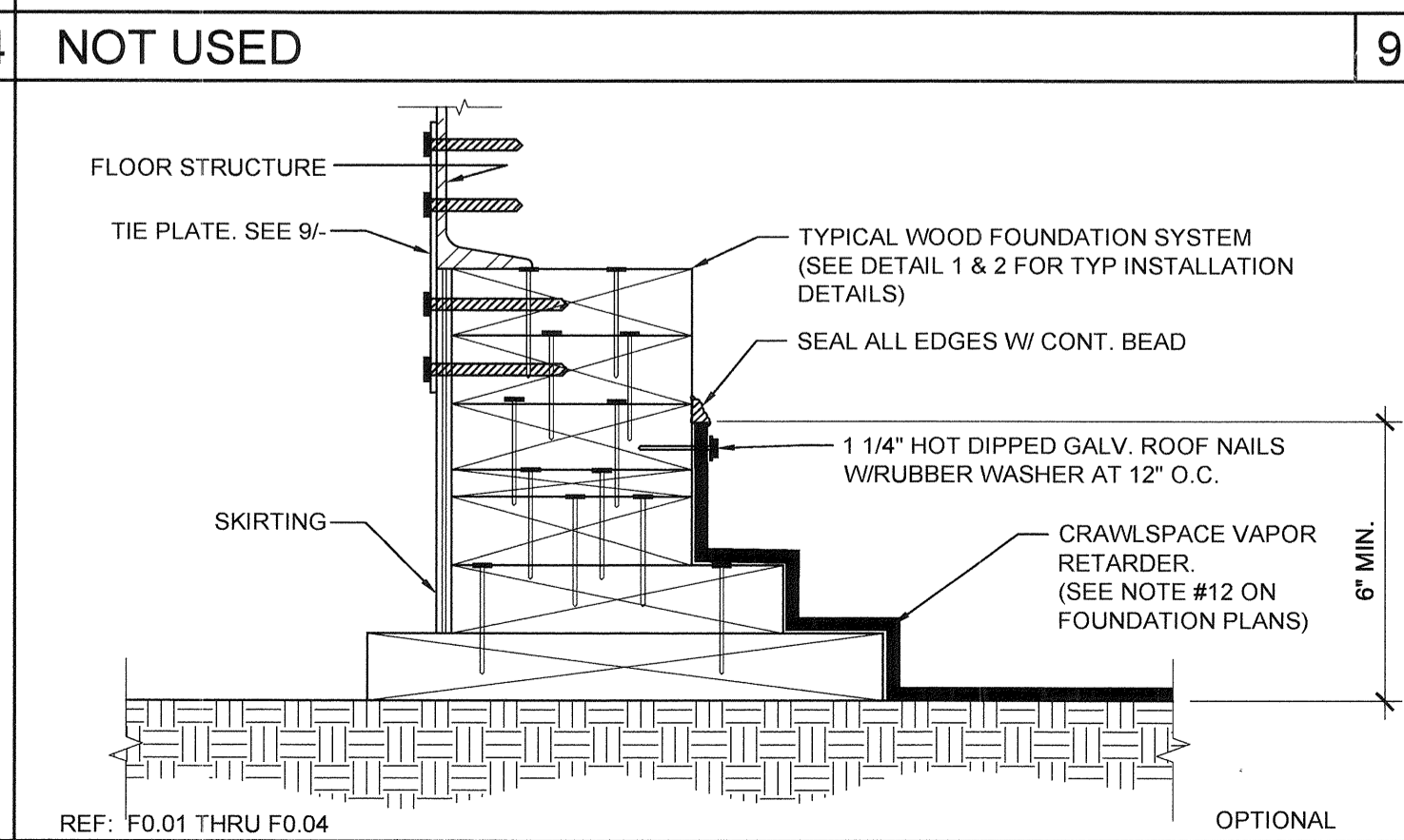
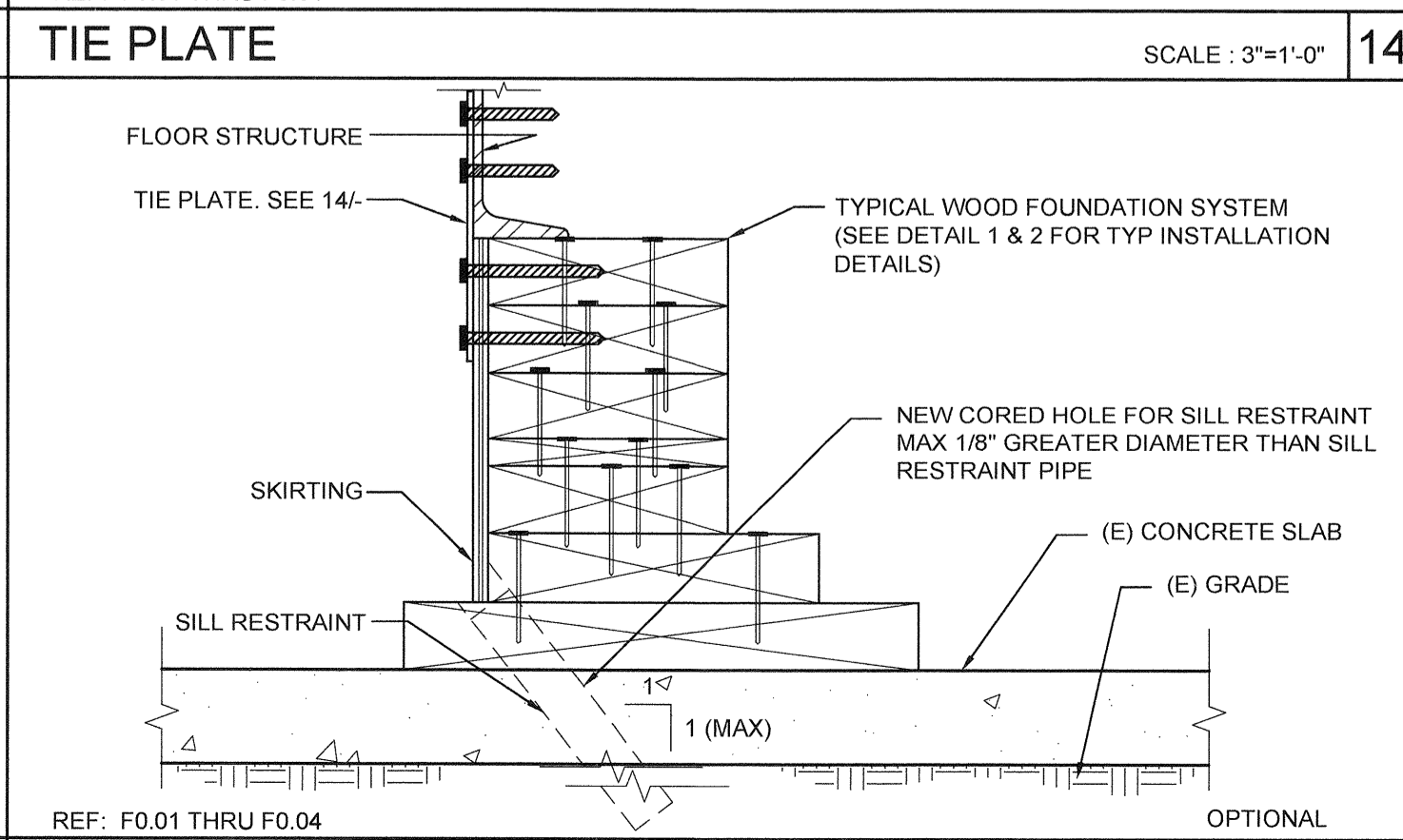
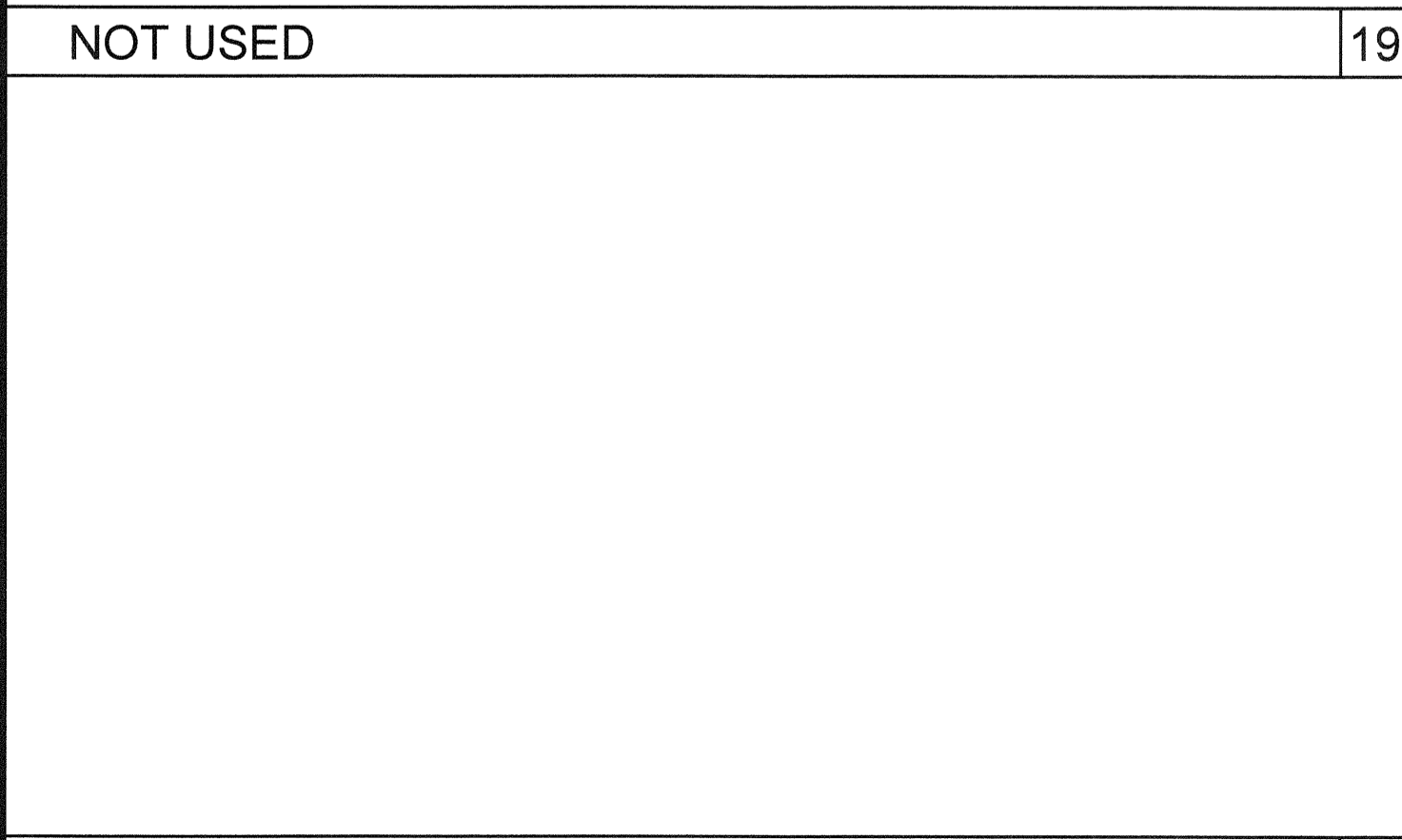
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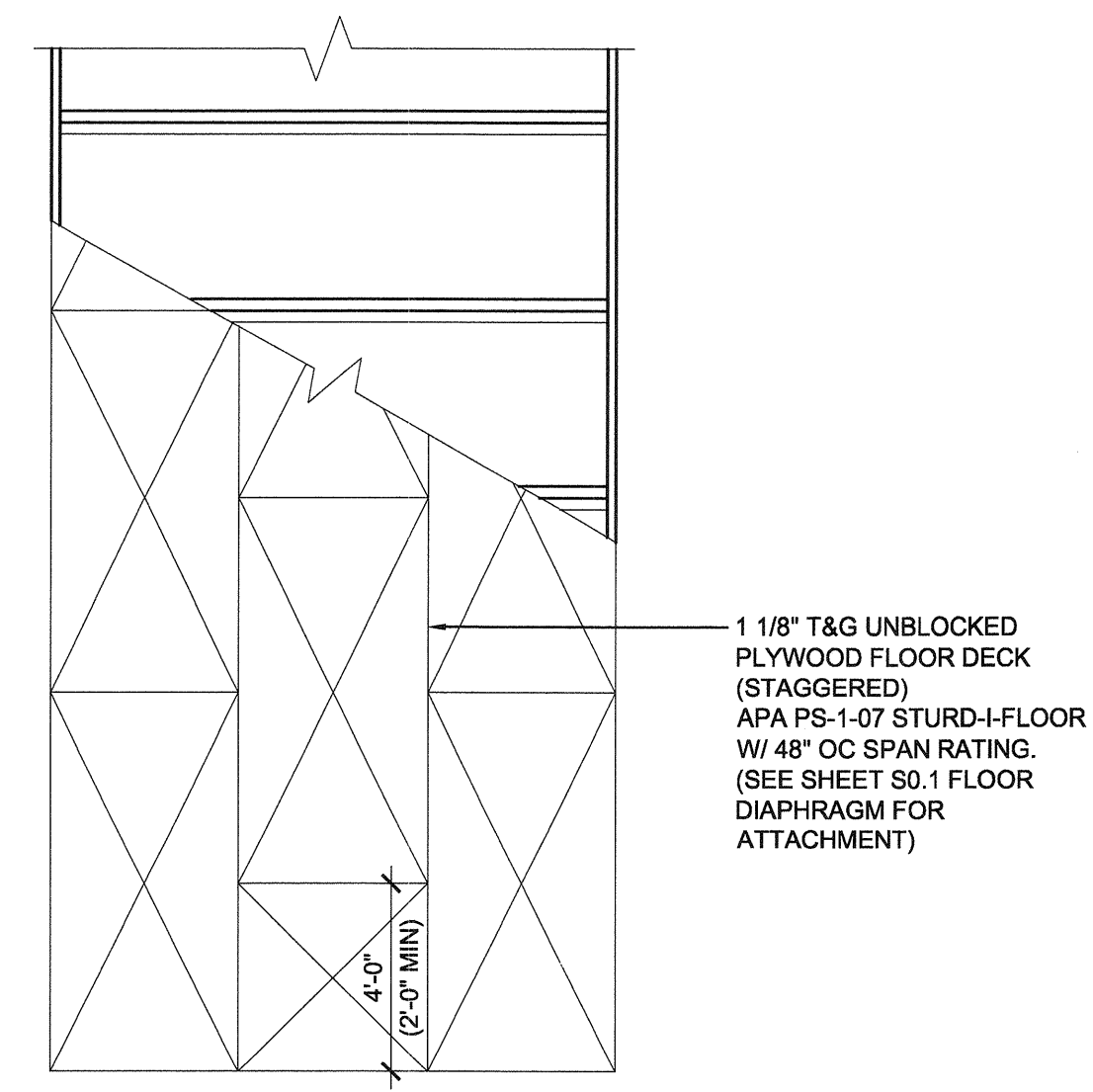
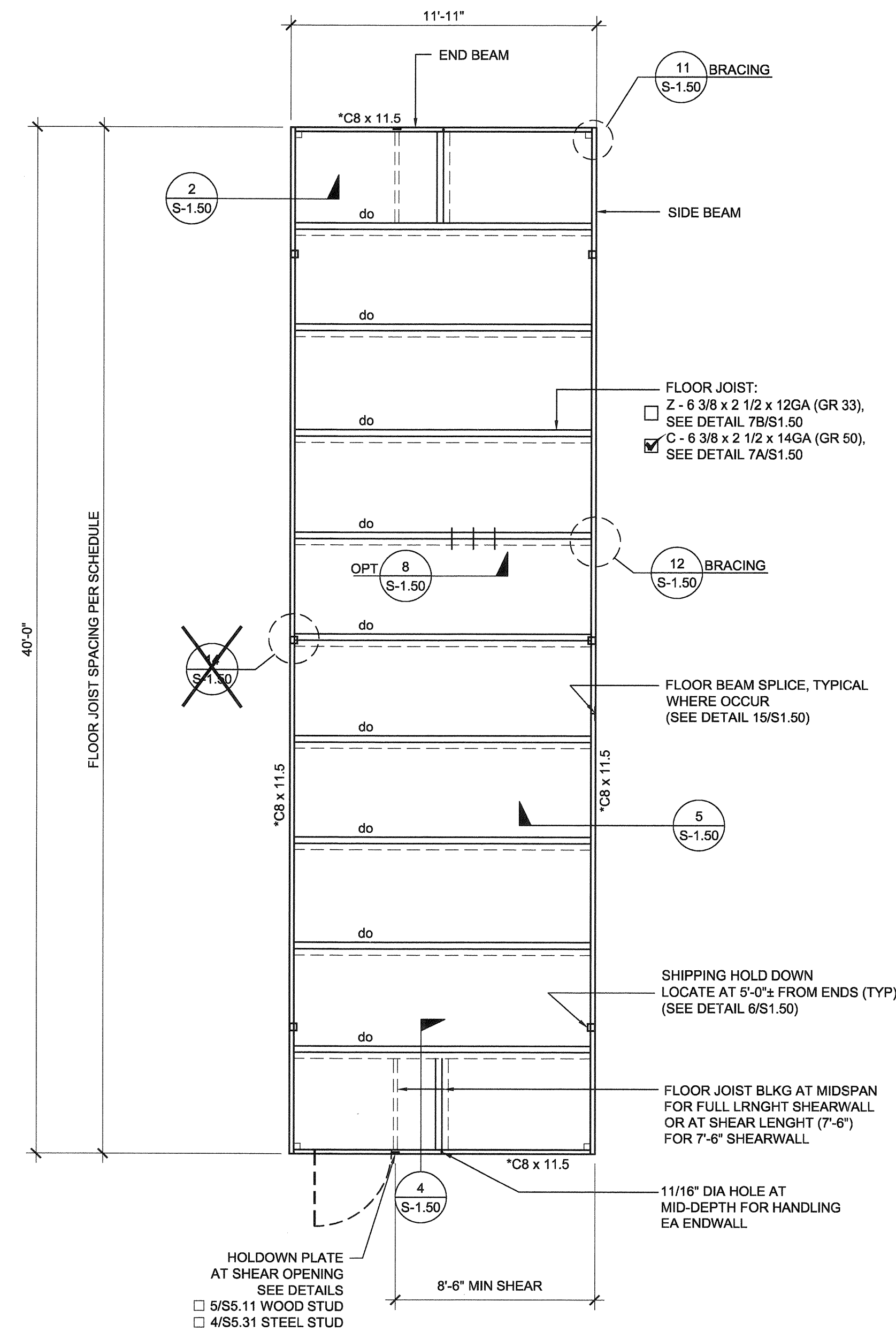
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SILVER CREEK INDUSTRIES
12 x 40' PC

PROJECT NO: 11183
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P.C. SHEET NUMBER
F-0.50



NOTES:

- FOR FLOOR BLOCKING SEE DETAILS 4.7B / S-1.50 (STD), 4.7A / S-1.50 (ALT)
- FOR BUILDINGS ON WOOD FOUNDATION SYSTEMS, PROVIDE 1 1/8" DIA. HOLE AT BOTTOM FLANGE OF FLOOR BEAM FOR LAG SCREW ATTACHMENT TO FOUNDATION PLATES BELOW. FOR EXACT HOLE LOCATIONS, SEE FOUNDATION PLAN.
- FLOOR SHEATHING SHALL BE PRESSURE TREATED WOOD OR NATURALLY DURABLE IF BOTTOM OF WOOD IS LESS THAN 18" CLEAR FROM EXPOSED EARTH.
- HSS COLUMN SCHEDULES ON SHEETS S-3.01 THRU S-3.04

FLOOR JOIST TABLE

	LIVE LOAD PSF	JOIST SPACING
<input type="checkbox"/>	50	48"
<input type="checkbox"/>	50	32"
<input type="checkbox"/>	50	24"
<input type="checkbox"/>	50	16"
<input checked="" type="checkbox"/>	50 + 15	32"
<input type="checkbox"/>	50 + 15	24"
<input type="checkbox"/>	50 + 15	16"
<input type="checkbox"/>	100	24"
<input type="checkbox"/>	100	16"
<input type="checkbox"/>	150	16"

FLOOR SHEATHING

- PRESSURE TREATED
 NON-PRESSURE TREATED

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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:

**LIBERTY UHSD
 LIBERTY HIGH SCHOOL
 (1) 12' x 40' TOILET BLDG**

SHEET TITLE:

**FLOOR FRAMING PLAN
 WOOD FLOOR**



ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2016/03 A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116720 INCR: 0
	AC_RM_FLN_DS_SSR_KER
	DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO: 11183
 DRAWN BY:
 SCALE: AS NOTED
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P.C. SHEET NUMBER

S-1.01

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Building for the Next Generation

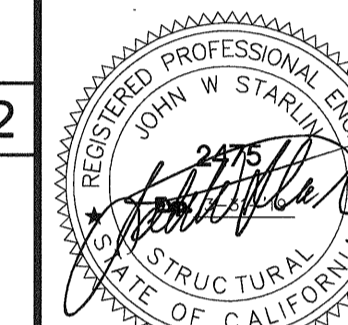
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

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DETAILS
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SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183

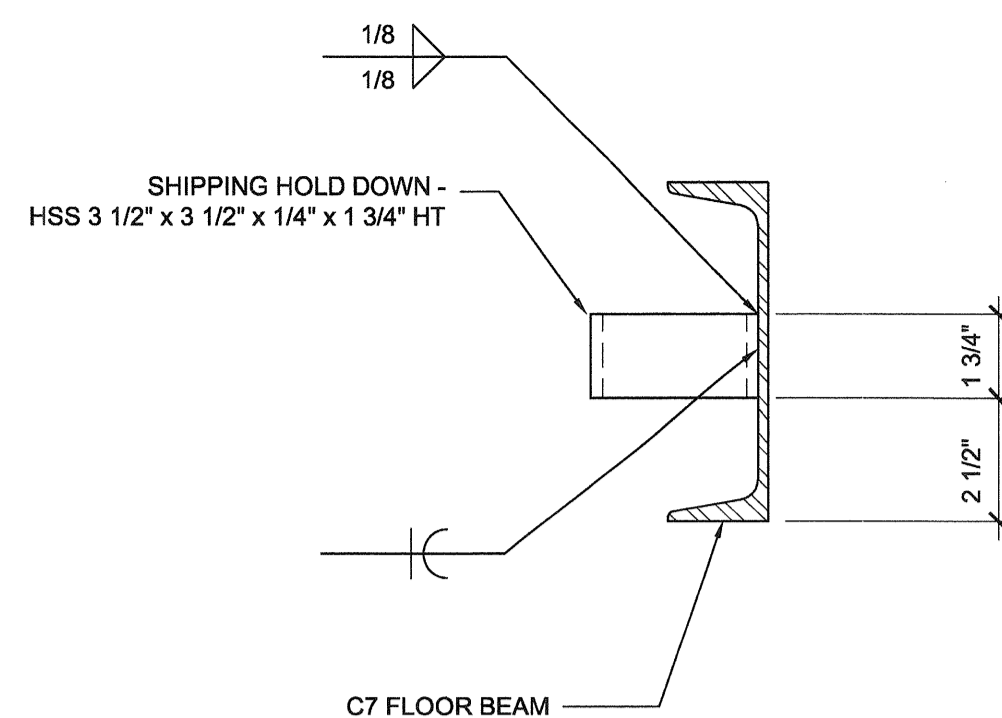
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SCALE: AS NOTED

DATE: 10-12-2017

P.C. SHEET NUMBER

S-1.50

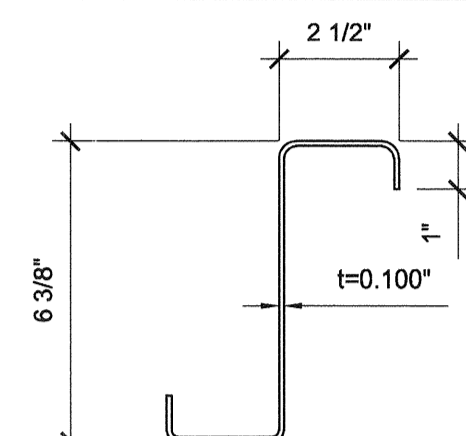


REF: S-1.01

11 SHIPPING HOLD DOWN DETAIL

SCALE: 3"=1'-0"

6

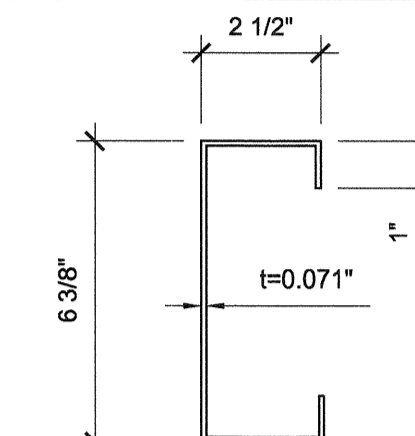


STANDARD JOIST

t=0.100"
Sx: 2.4465 IN³ MIN
Ix: 7.798 IN⁴
Fy: 33 KSI

ASTM A-1011, GRADE 33

REF: S-1.01



ALTERNATE JOIST

t=0.071"
Sx: 1.8022 IN³ MIN
Ix: 5.745 IN⁴ MIN
Fy: 50 KSI

ASTM A-1011, GRADE 50

REF: S-1.01

12 FLOOR JOIST

SCALE: 3"=1'-0"

7B

12 FLOOR JOIST

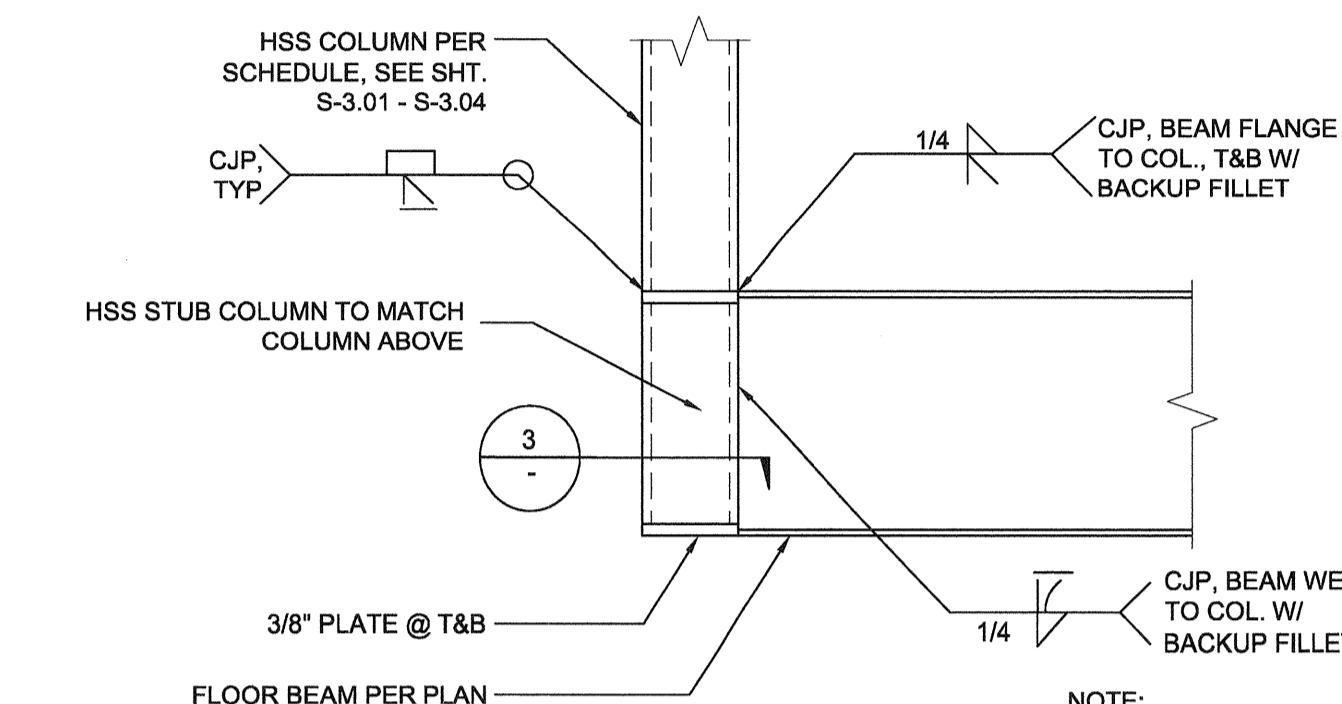
SCALE: 3"=1'-0"

7A

6 FLOOR BEAM TO COLUMN CONNECTION

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

2



REF: S-1.01

NOTE: PERPENDICULAR MEMBER NOT SHOWN FOR CLARITY

16 NOT USED

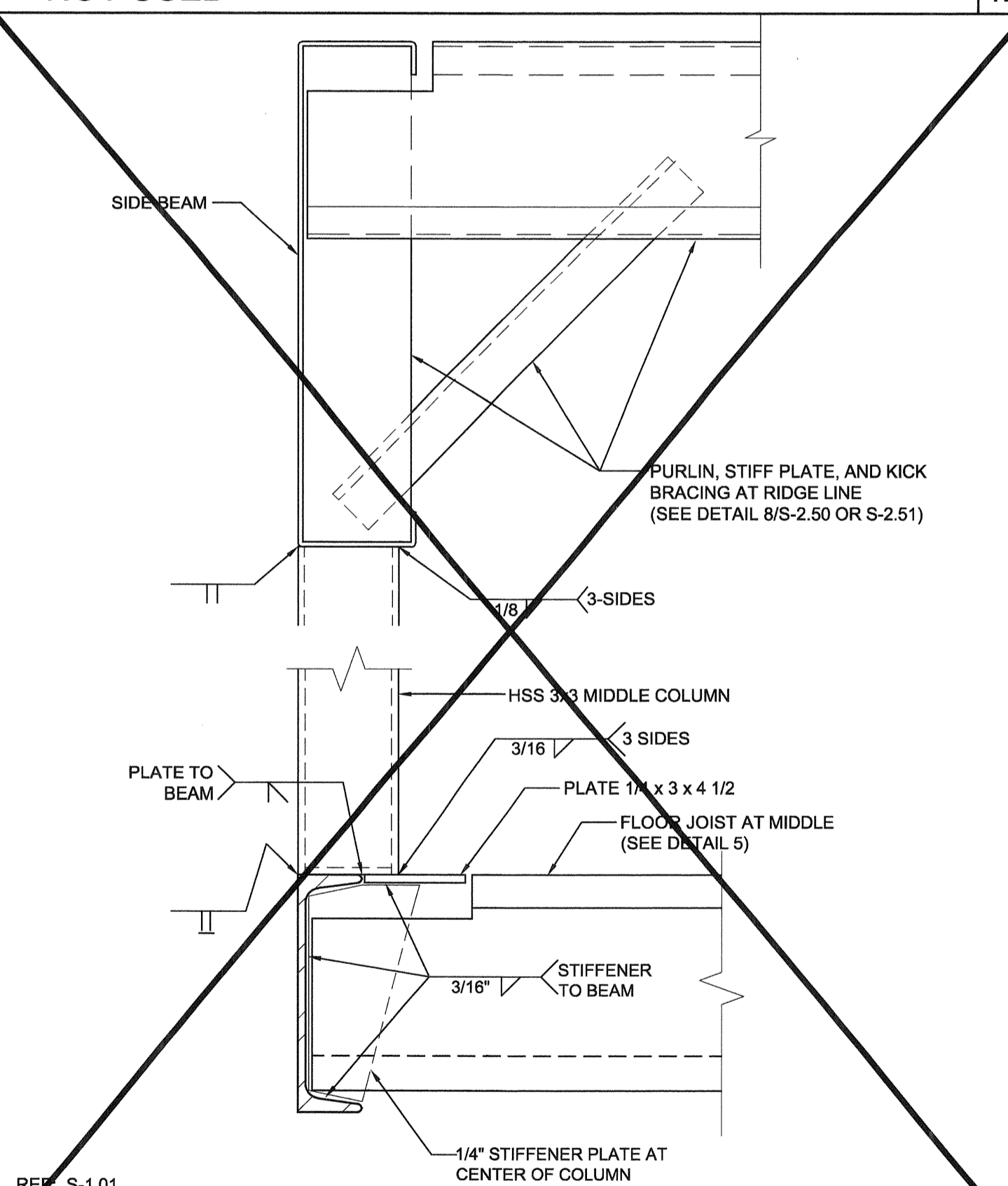
17 NOT USED

18

19 INTERIOR COLUMN AT FLOOR BEAM

SCALE: 3"=1'-0"

14

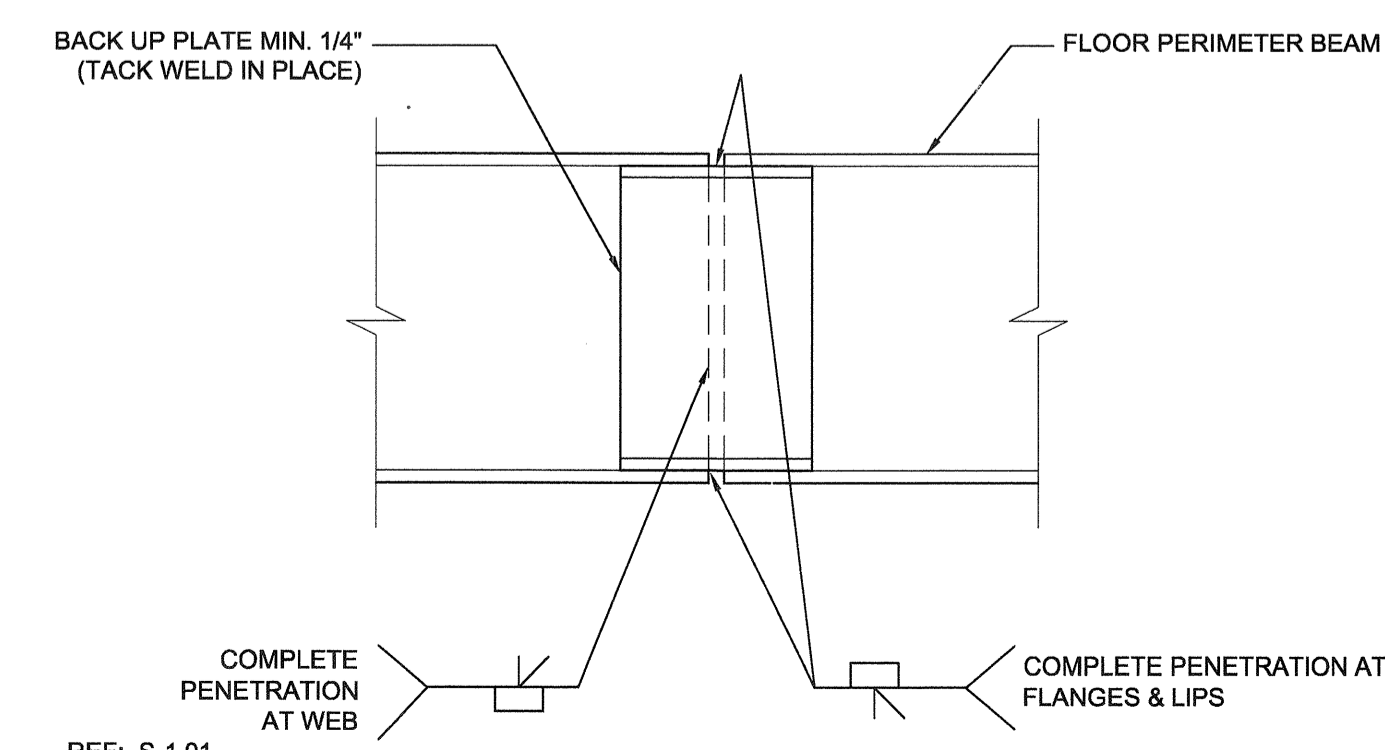


REF: S-1.01

20 FLOOR BEAM SPLICE

SCALE: 3"=1'-0"

15 NOT USED

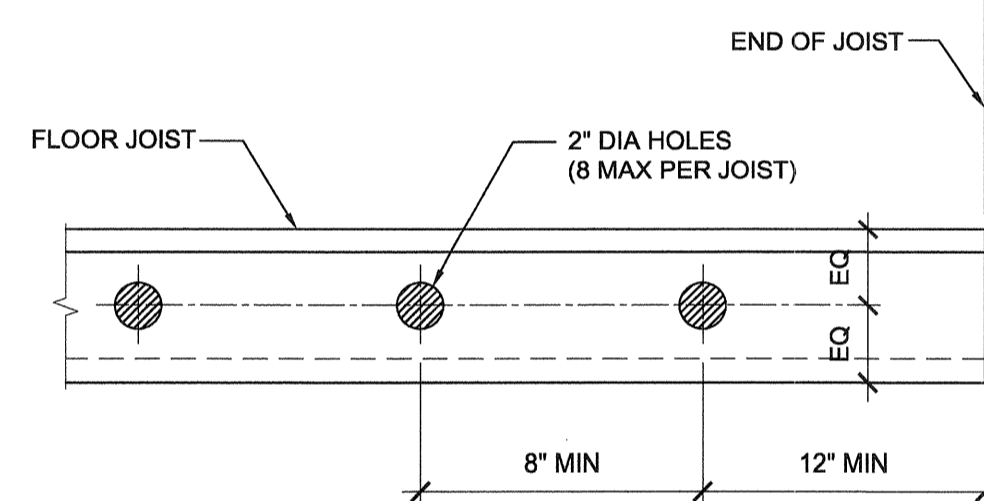


REF: S-1.01

8 FLOOR JOIST HOLES (OPTIONAL)

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

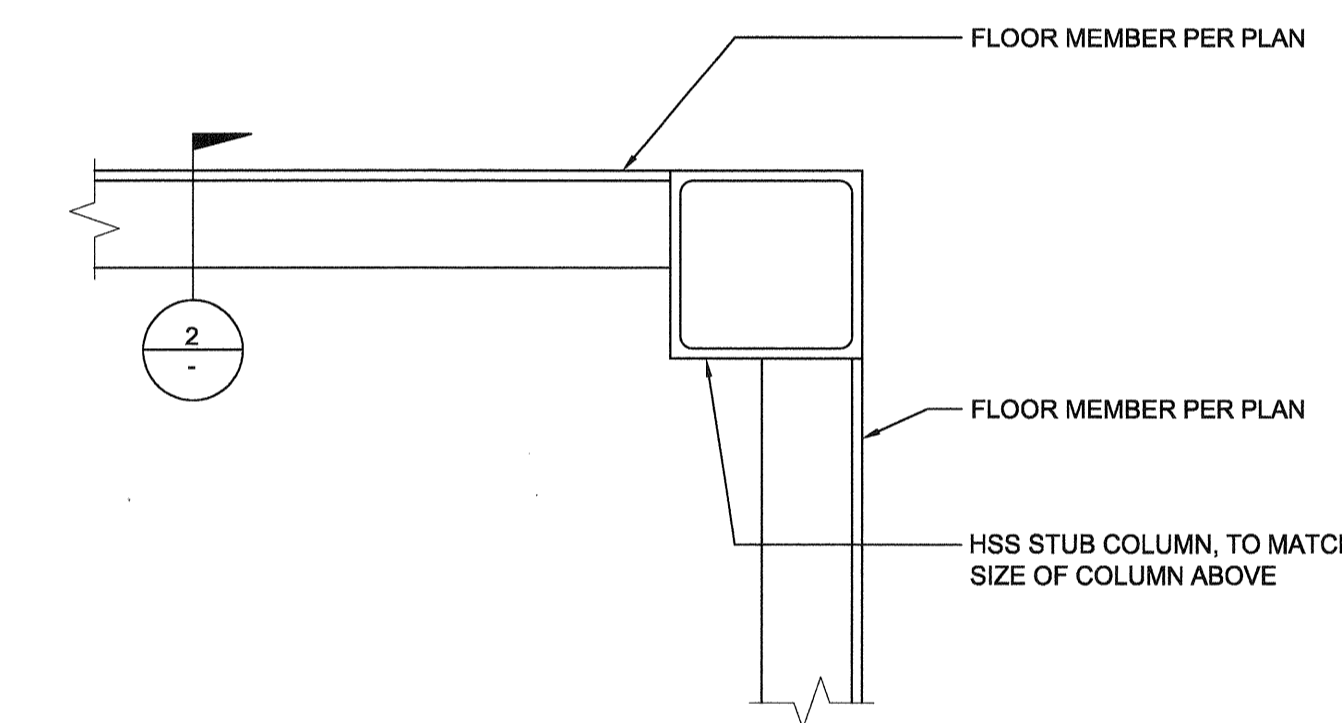
8



3 CORNER CONNECTION

SCALE: 3"=1'-0"

3

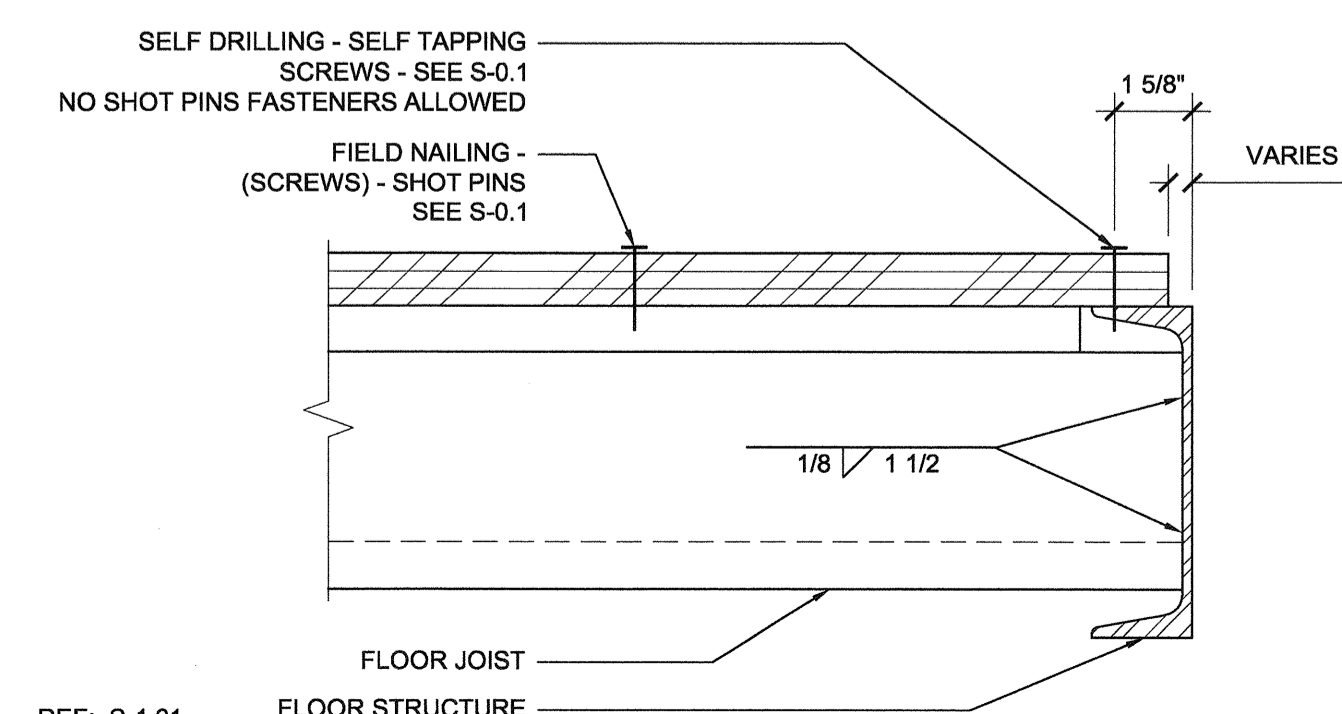


REF: S-1.01

4 BLOCKING TO END BEAM

SCALE: 3"=1'-0"

4

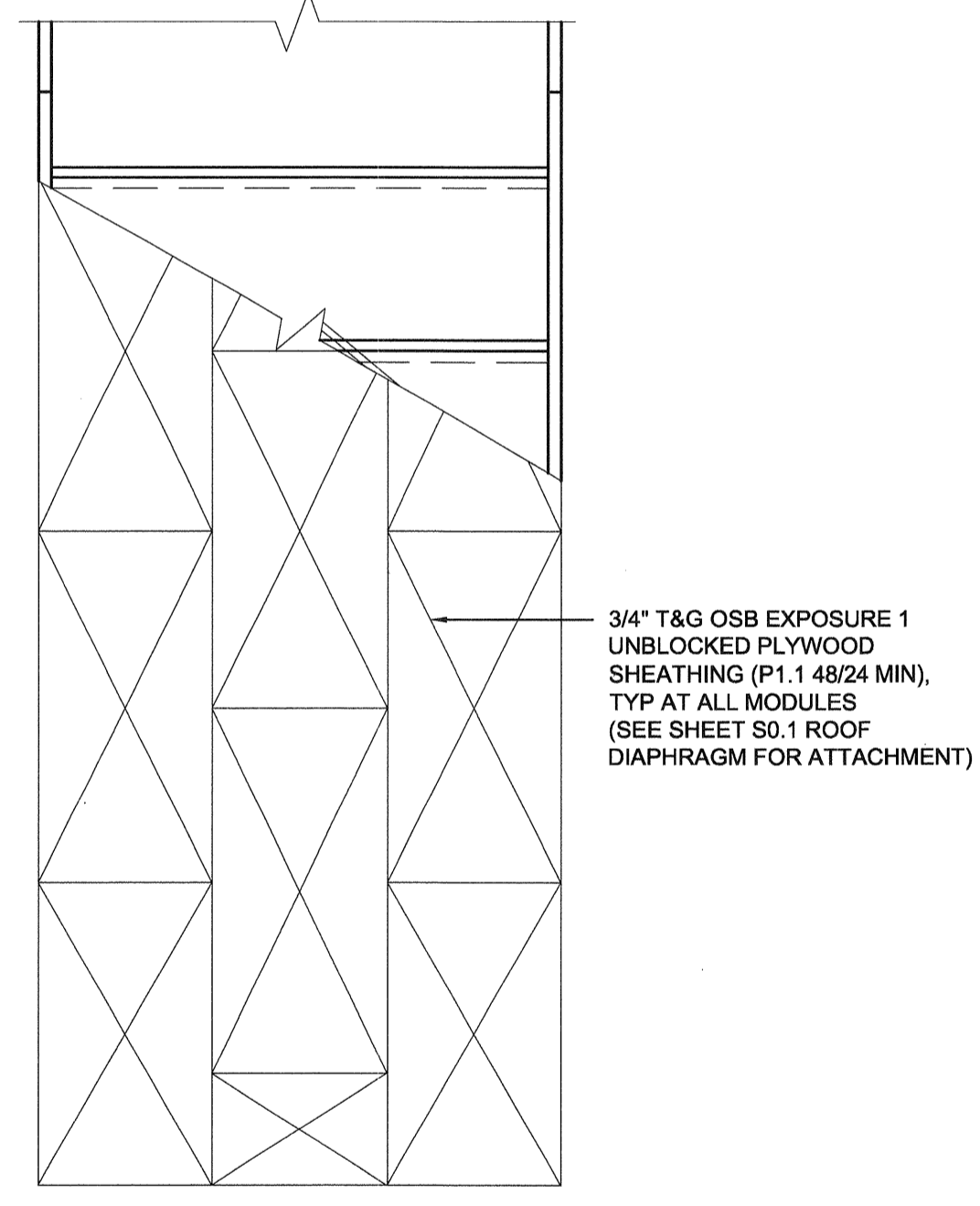
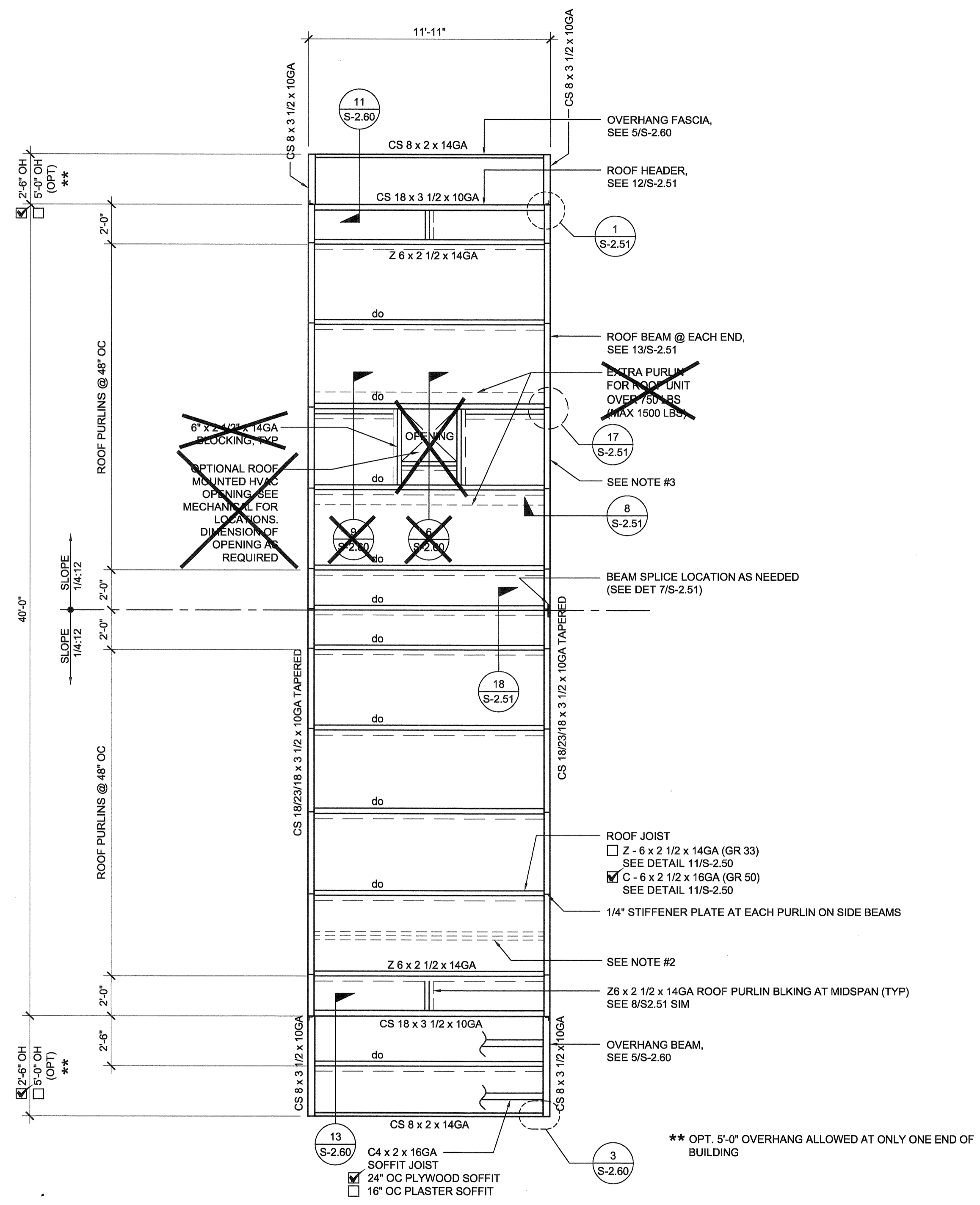


REF: S-1.01

5 JOIST TO SIDE BEAM

SCALE: 3"=1'-0"

5



ROOF FRAMING PLAN

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

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 / S2.50 OR 14 / S2.51 DETAILS
- FOR OPTIONAL SIDE BEAM OPENING SEE 10, 15/S-2.50 OR 10, 15/S-2.51 FOR DETAILS.

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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:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**ROOF FRAMING PLAN
0.018", OR TPO ROOF
DUAL SLOPE**

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

<p>PRE-CHECK (PC) DOCUMENT CODE: 2018-03C A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</p>	<p>FILE NUMBER: 33-SILVER</p>
	<p>IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116720 INCR: 0</p>
	<p>AC_RM_FLS_DS_SSR_KER</p>
	<p>DATE: 08/22/2018</p>

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183

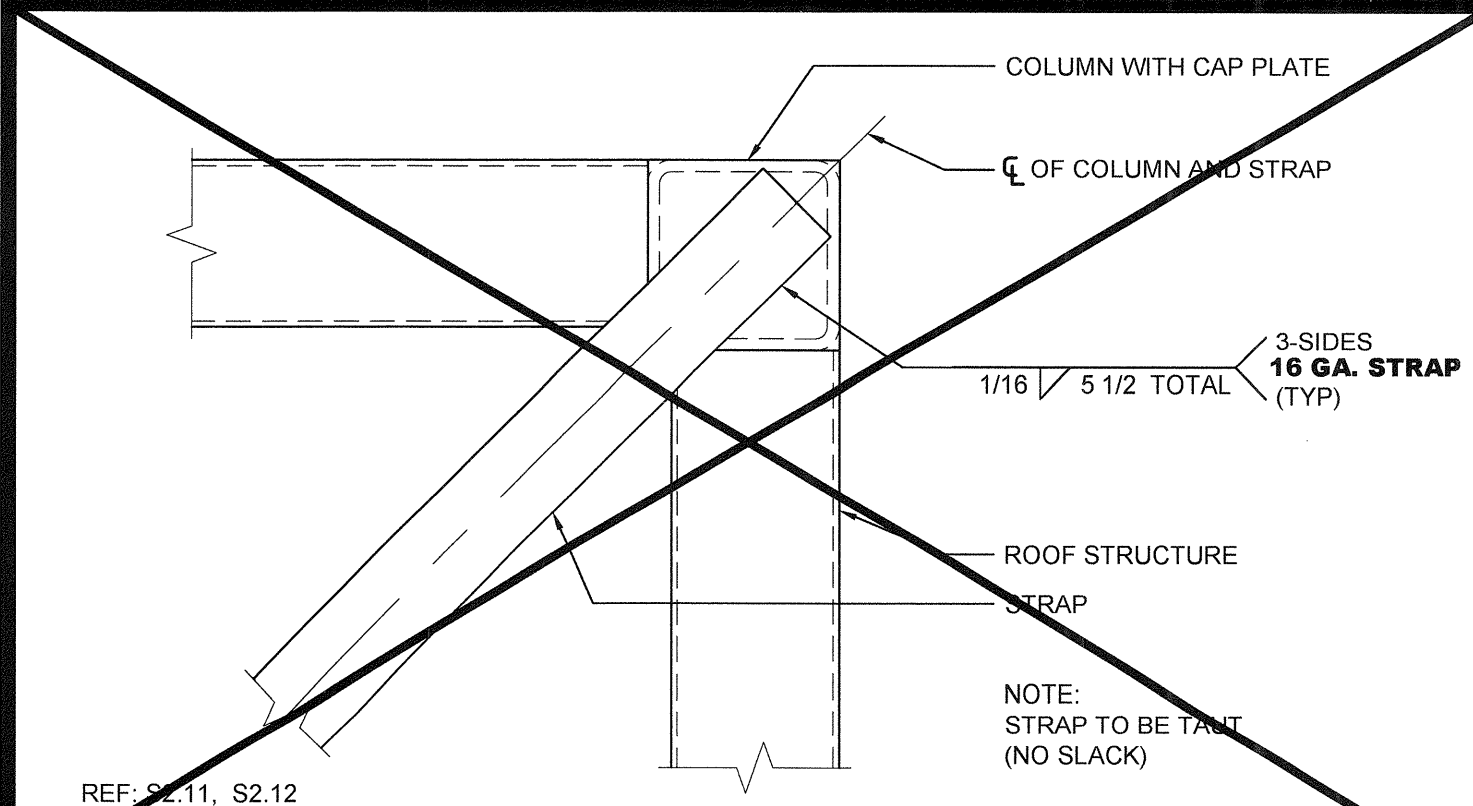
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SCALE: AS NOTED

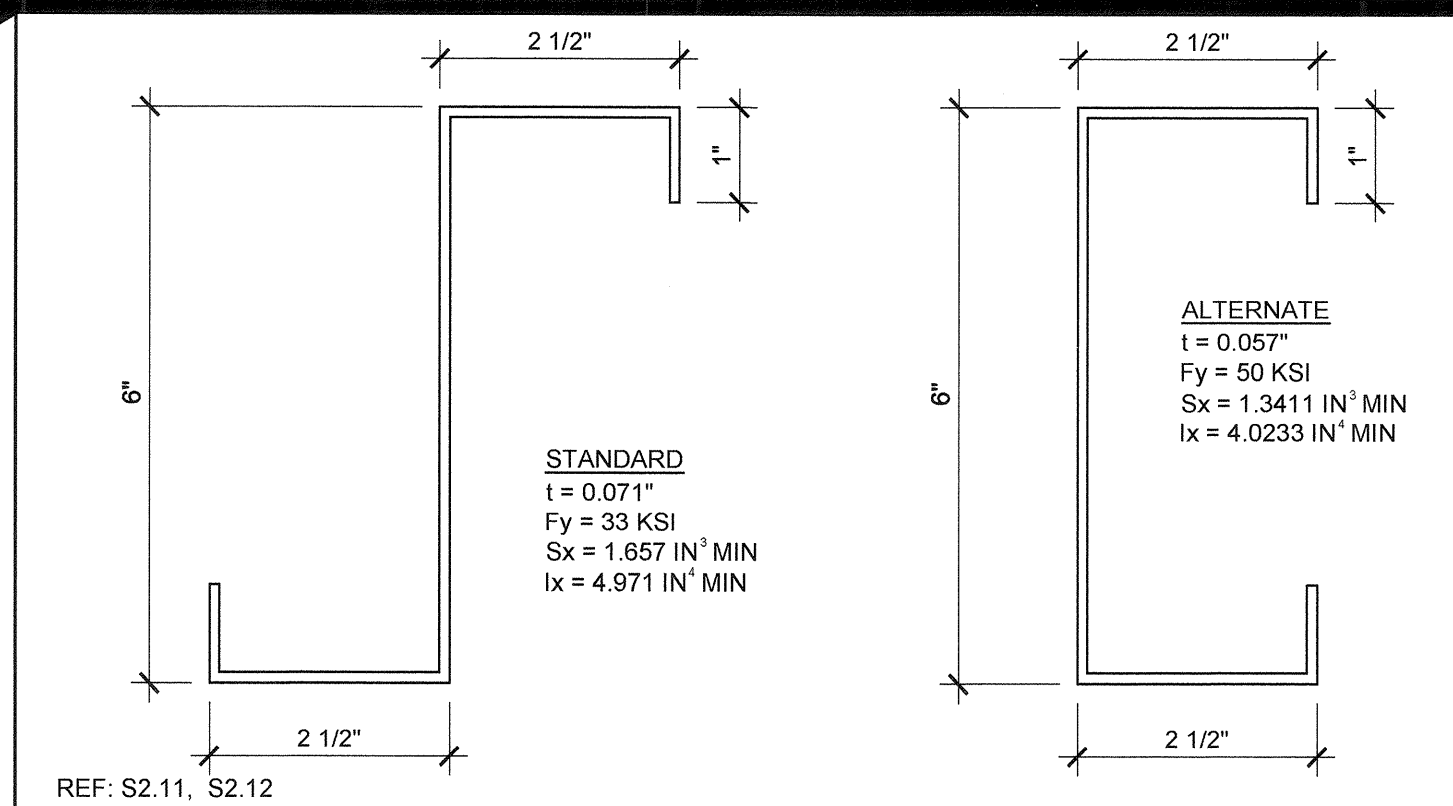
DATE: 10-12-2017

P.C. SHEET NUMBER

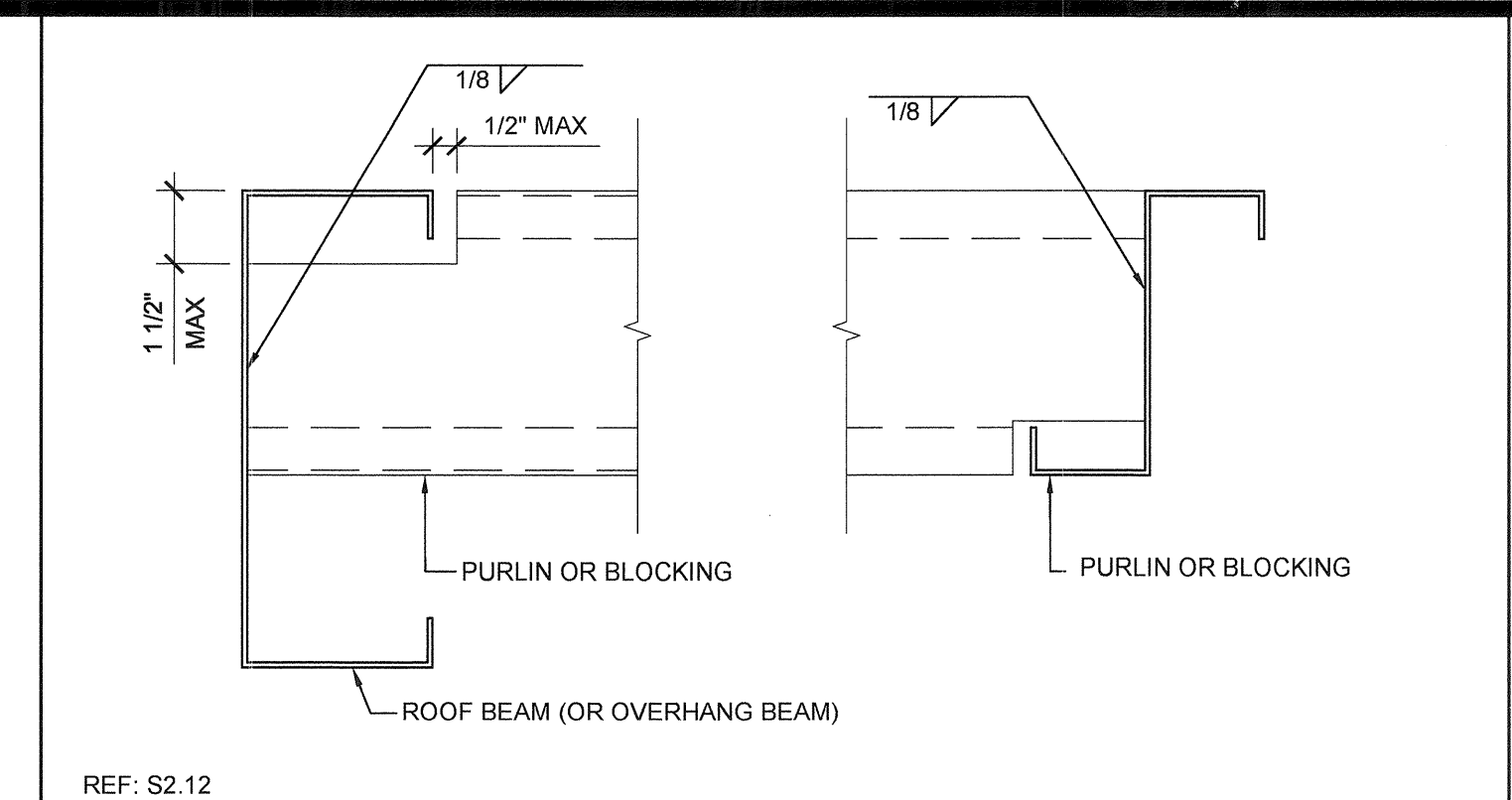
S-2.11



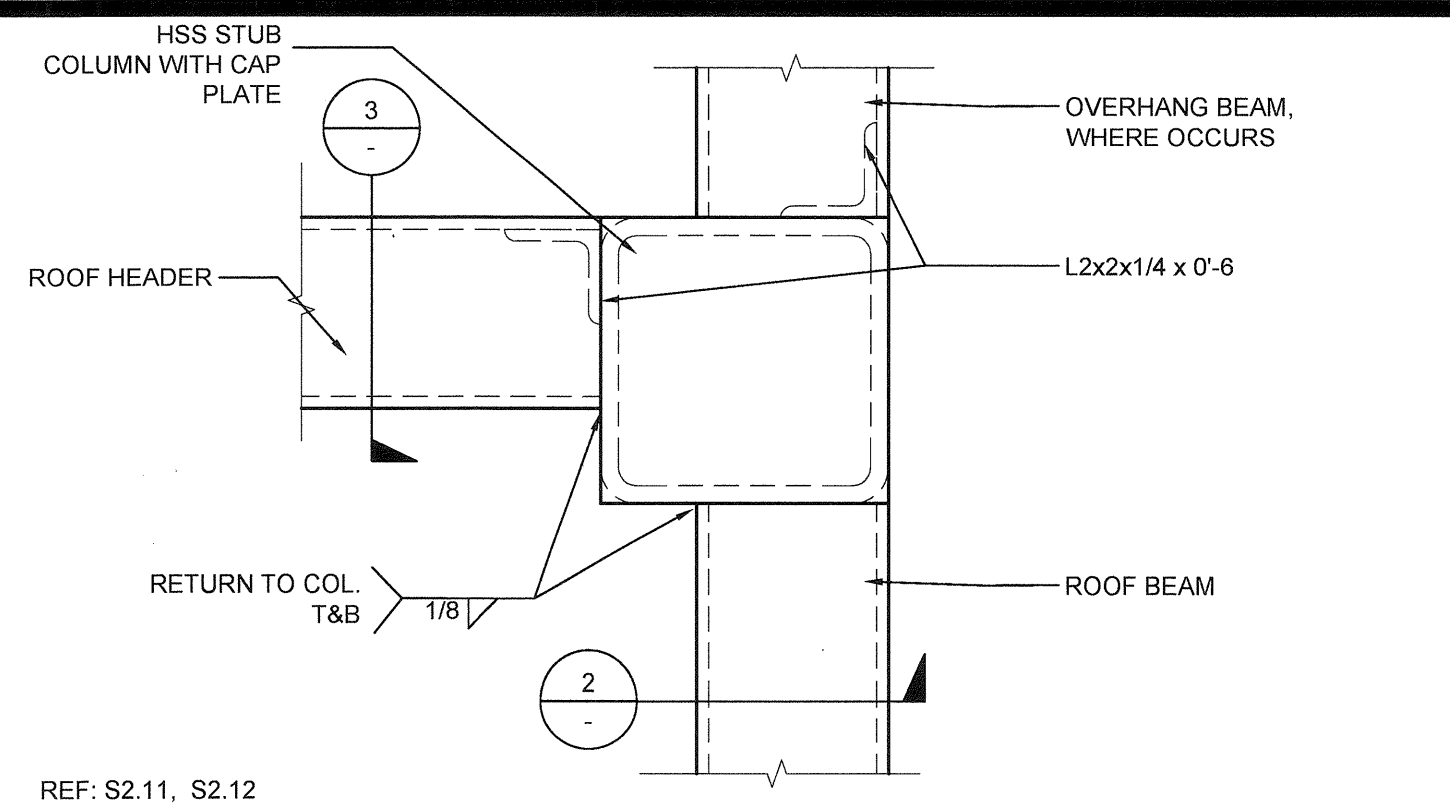
ROOF BRACING STRAP @ END WALL SCALE: 3"=1'-0" 16



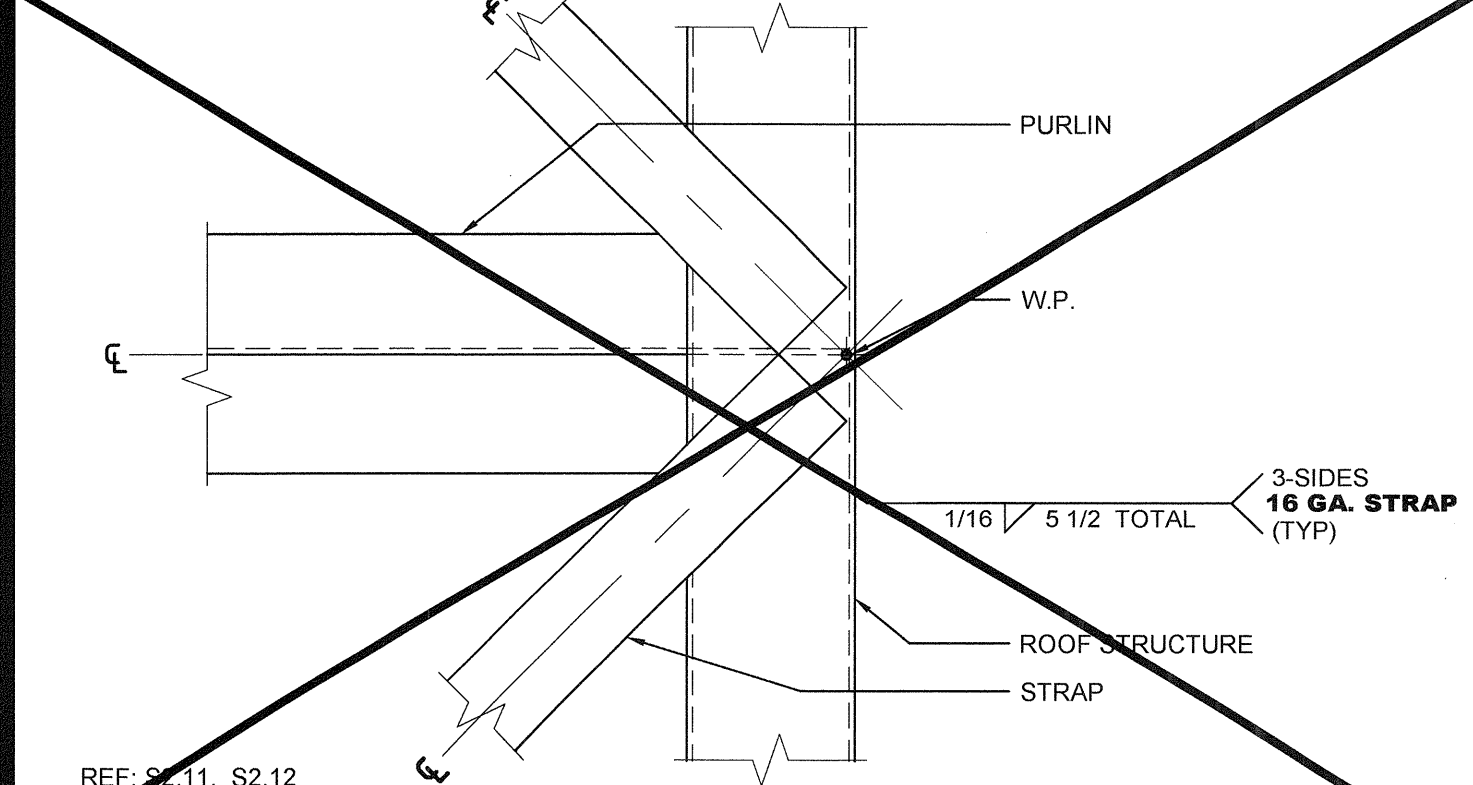
ROOF PURLIN SCALE: 6"=1'-0" 11



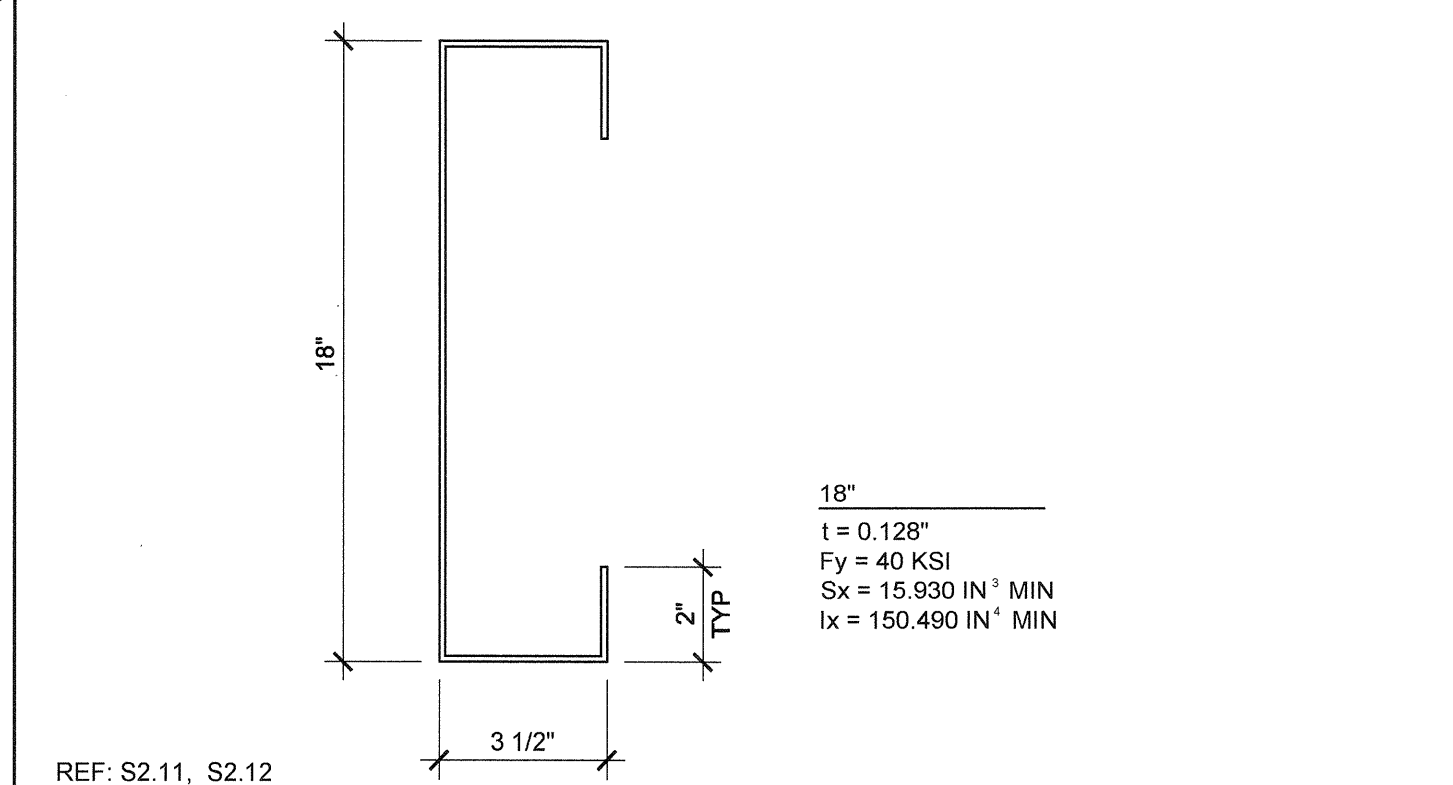
TYPICAL PURLIN CONNECTION DETAIL SCALE: 3"=1'-0" 6



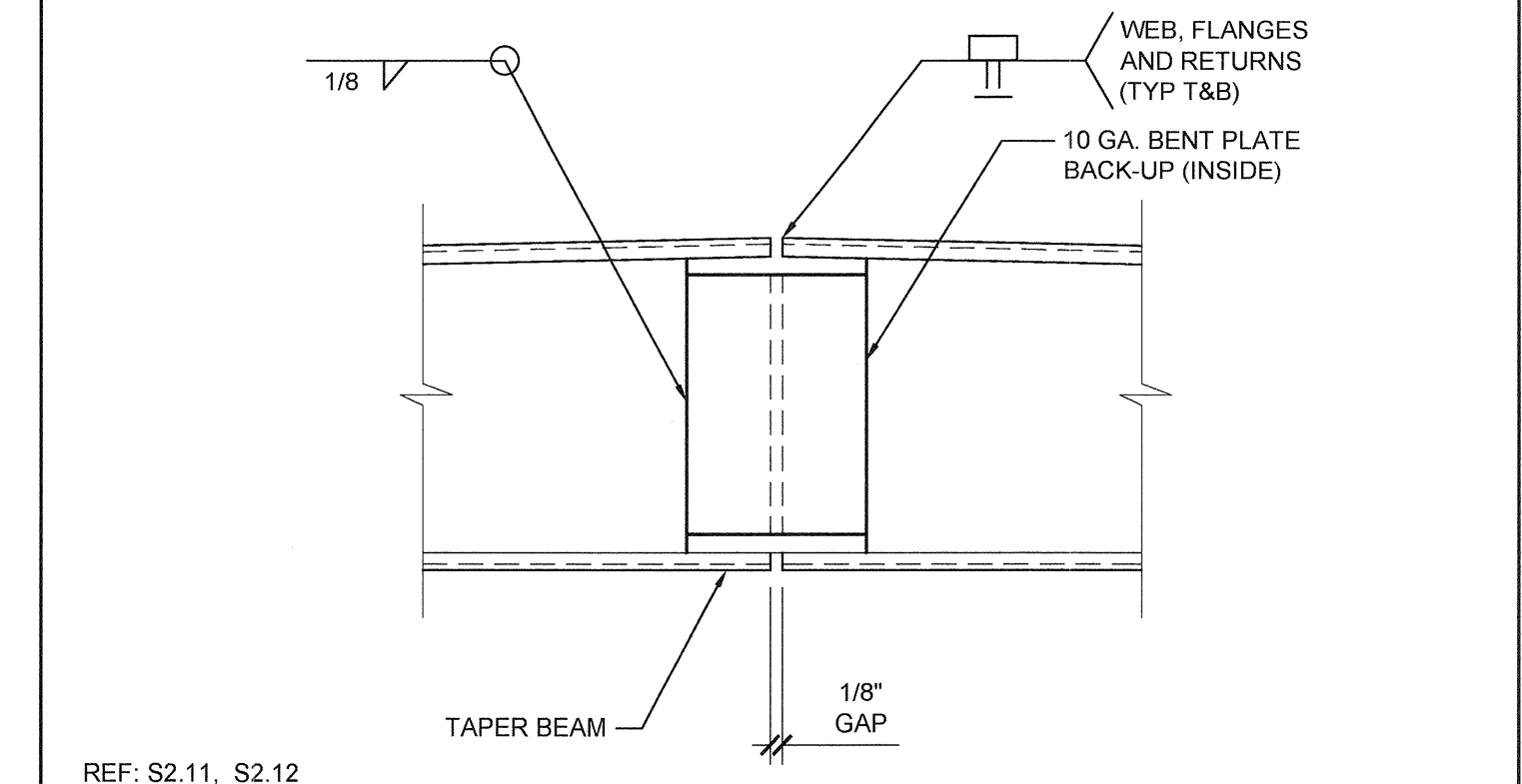
COLUMN AT ROOF - PLAN SCALE: 3"=1'-0" 1



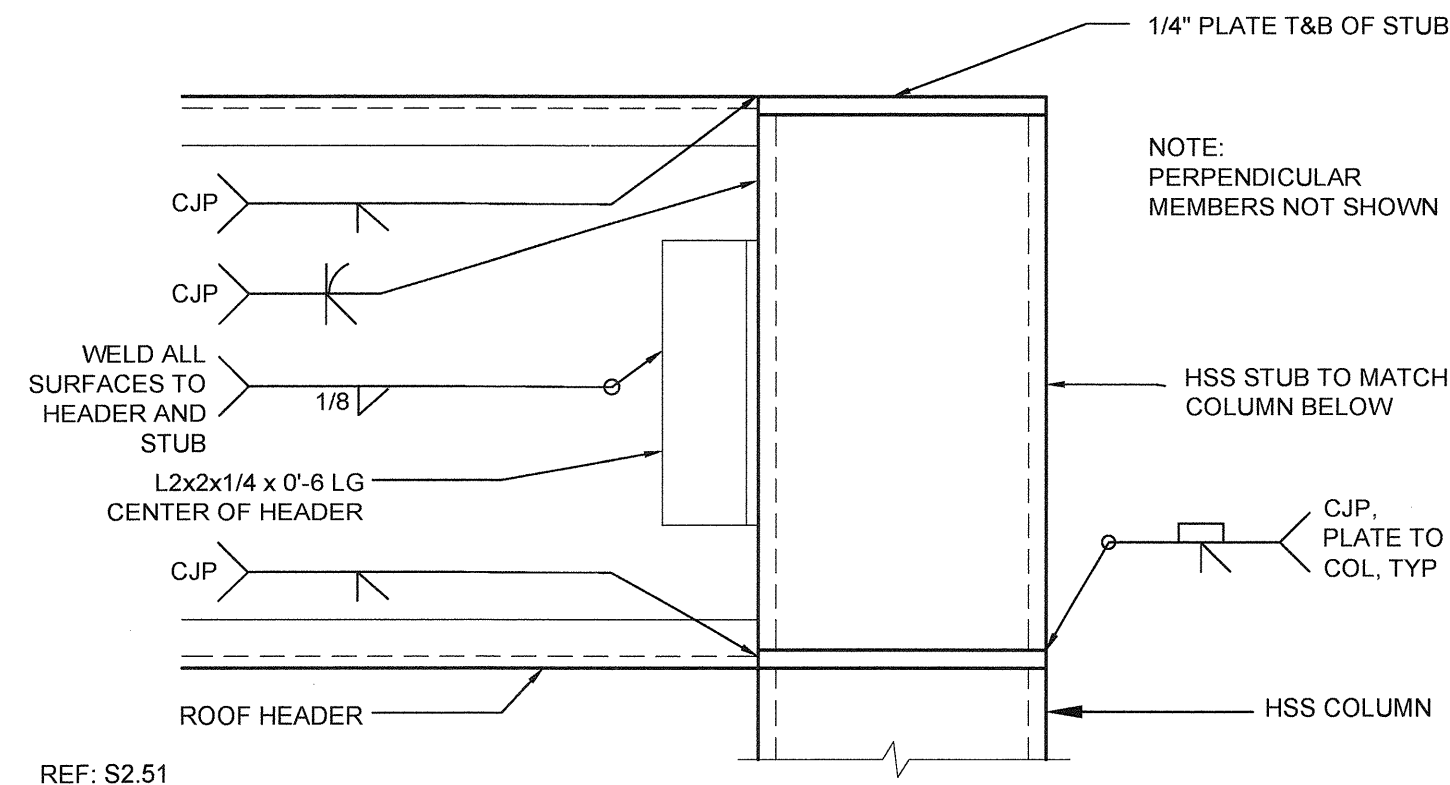
ROOF BRACING STRAP @ SIDE WALL SCALE: 3"=1'-0" 17



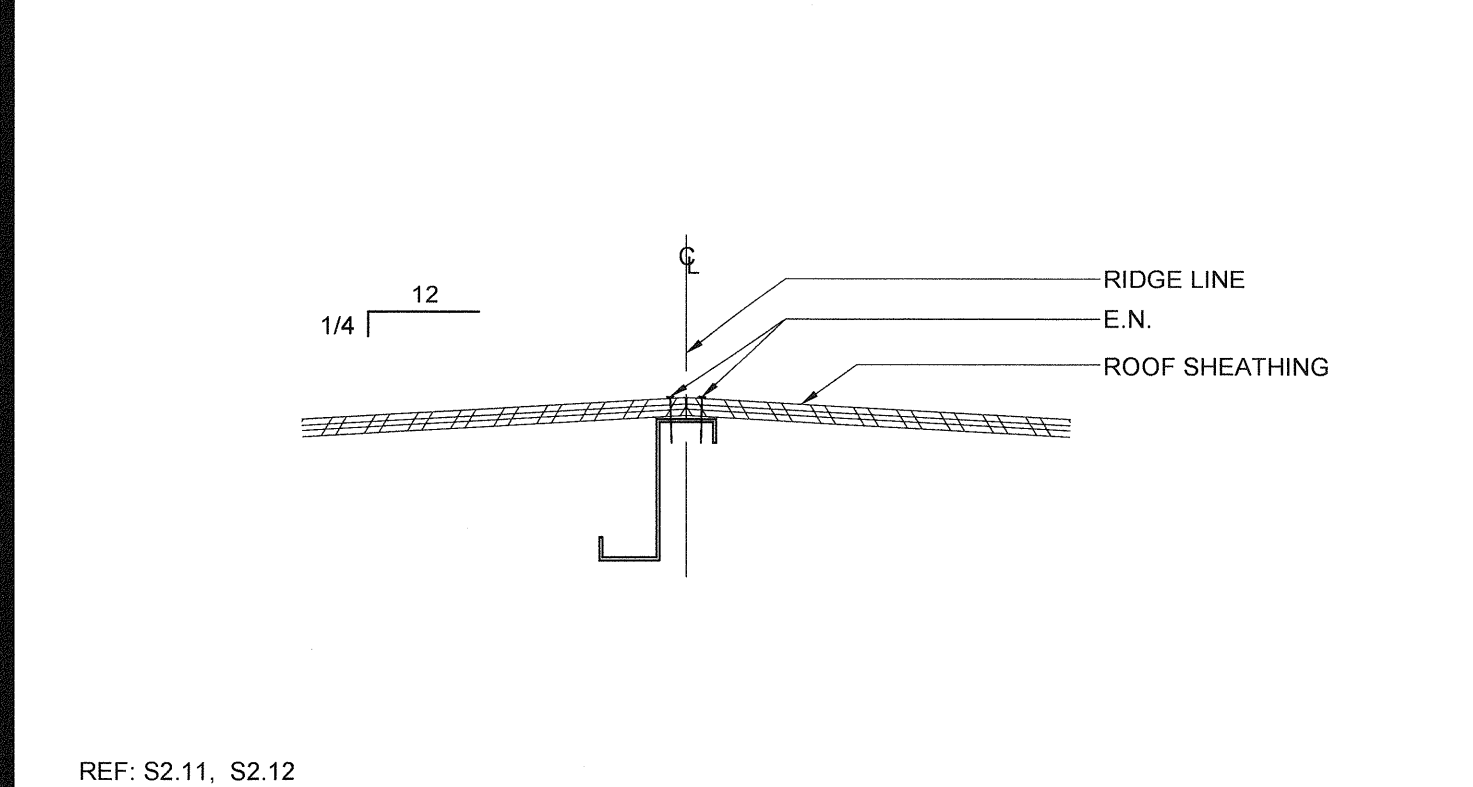
ROOF HEADER SCALE: NTS 12



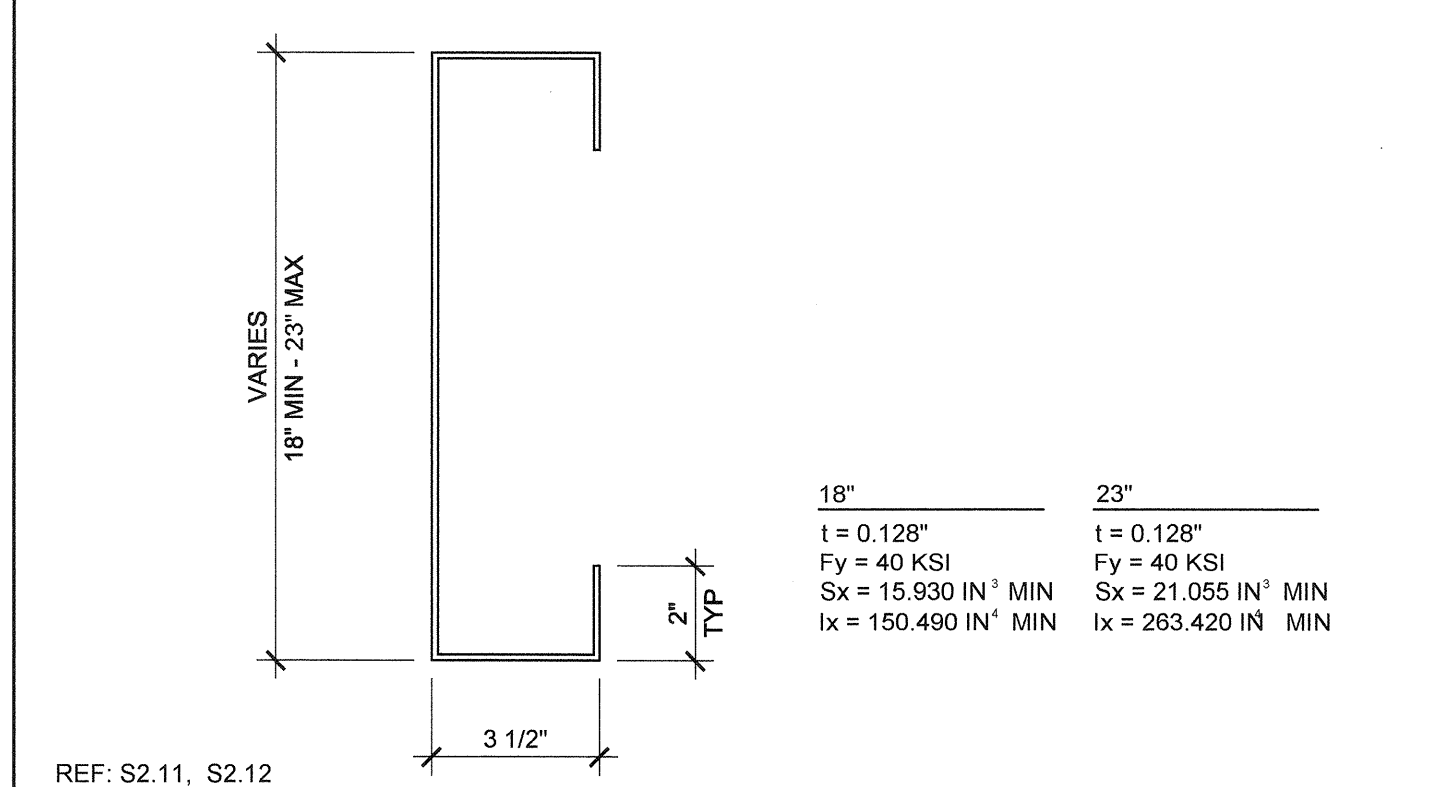
BEAM SPLICE SCALE: 3"=1'-0" 7



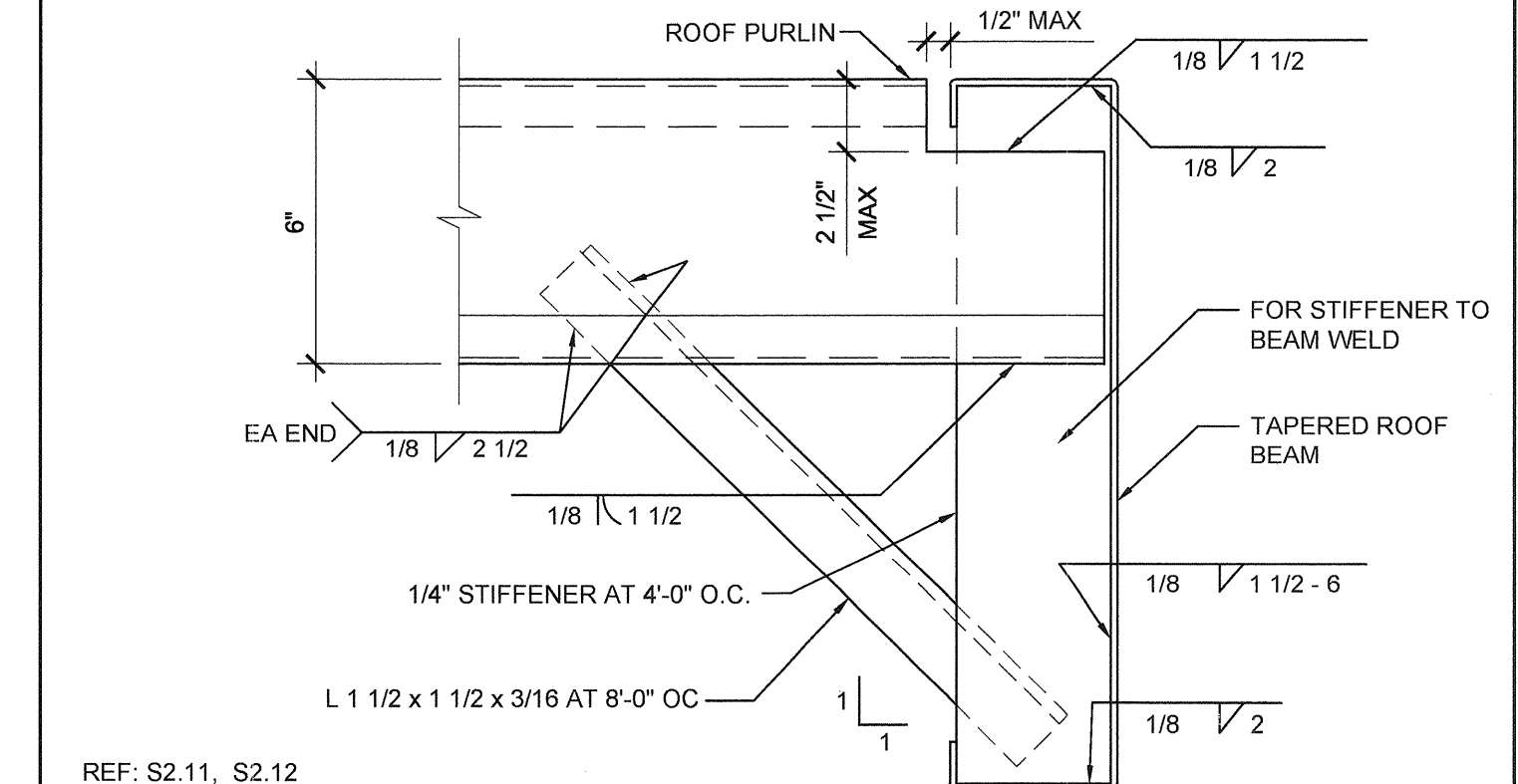
COLUMN AT ROOF - SECTION SCALE: 3"=1'-0" 2



PURLINS AT PLYWOOD ROOF RIDGE SCALE: 1 1/2"=1'-0" 18



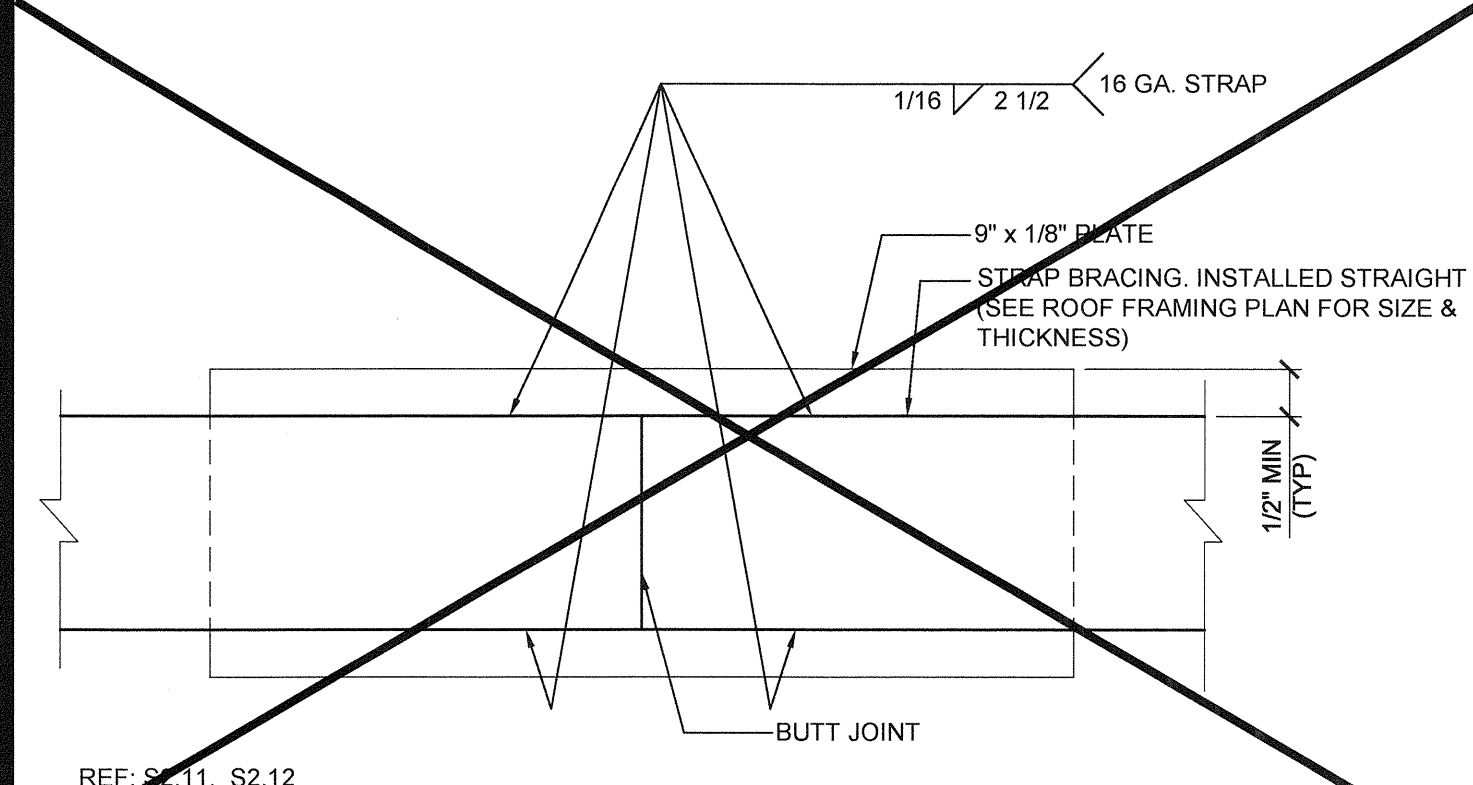
SIDE BEAM SCALE: NTS 13



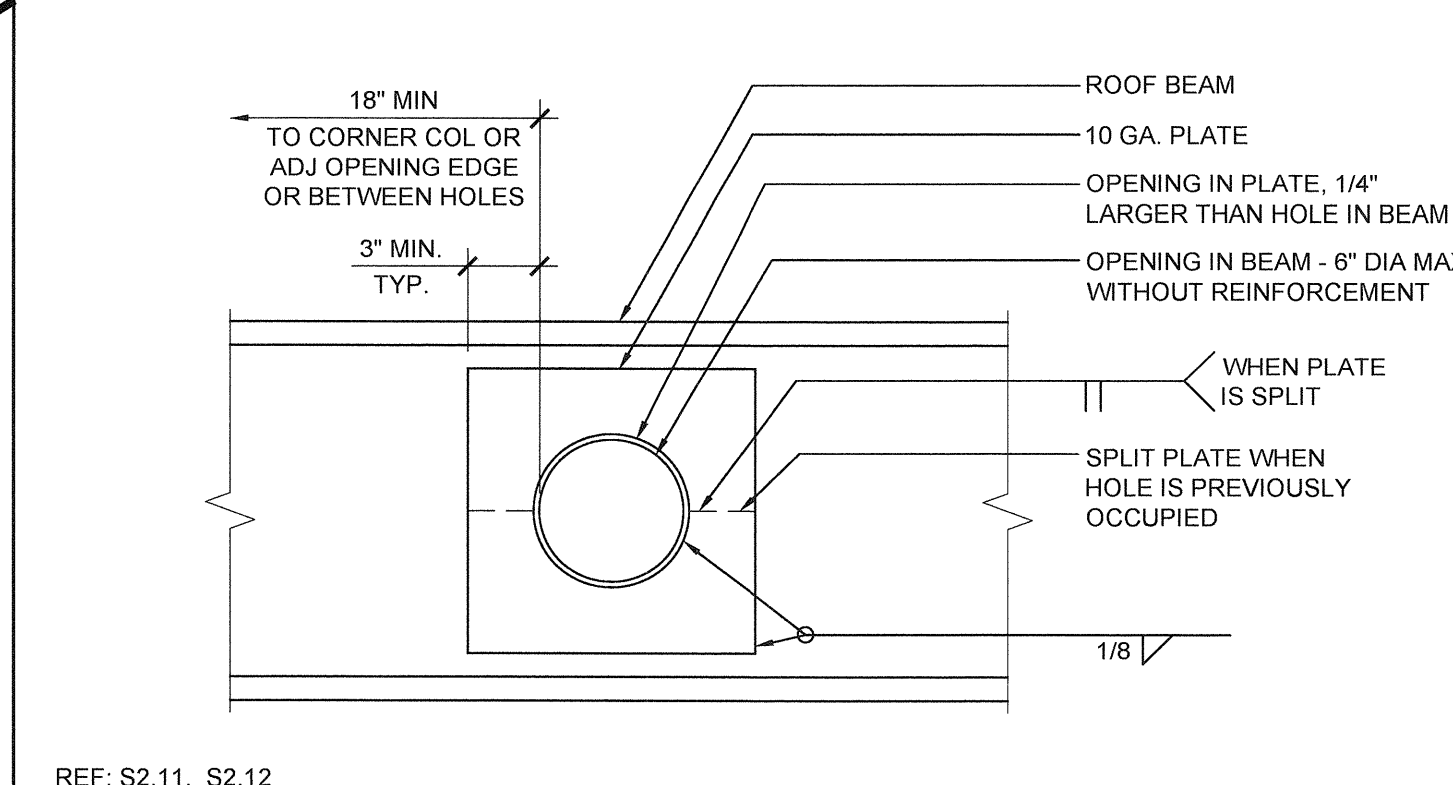
PURLIN TO ROOF BEAM @ STIFFENER SCALE: 3"=1'-0" 8



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



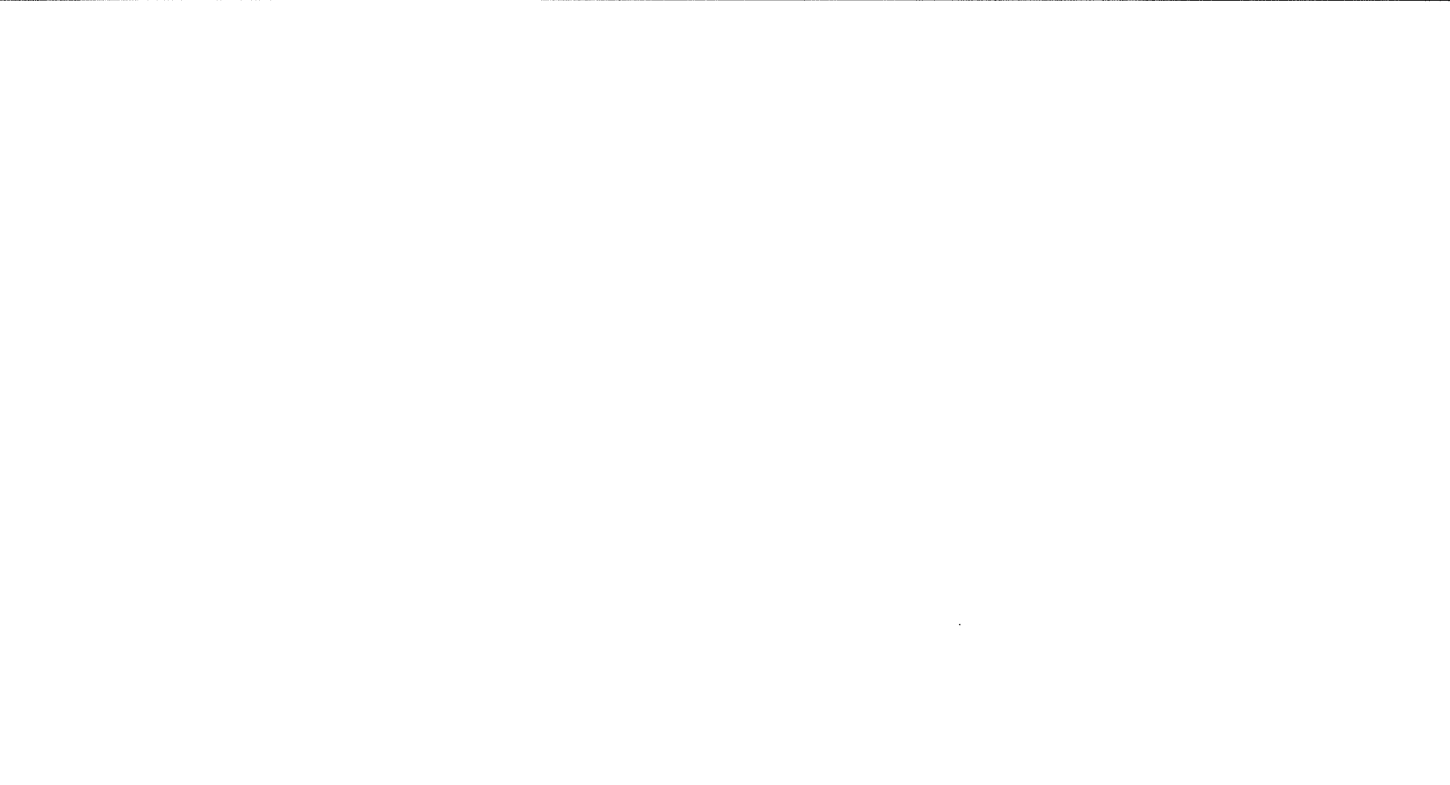
SIDE WALL BEAM PENETRATION SCALE: 1 1/2"=1'-0" 14



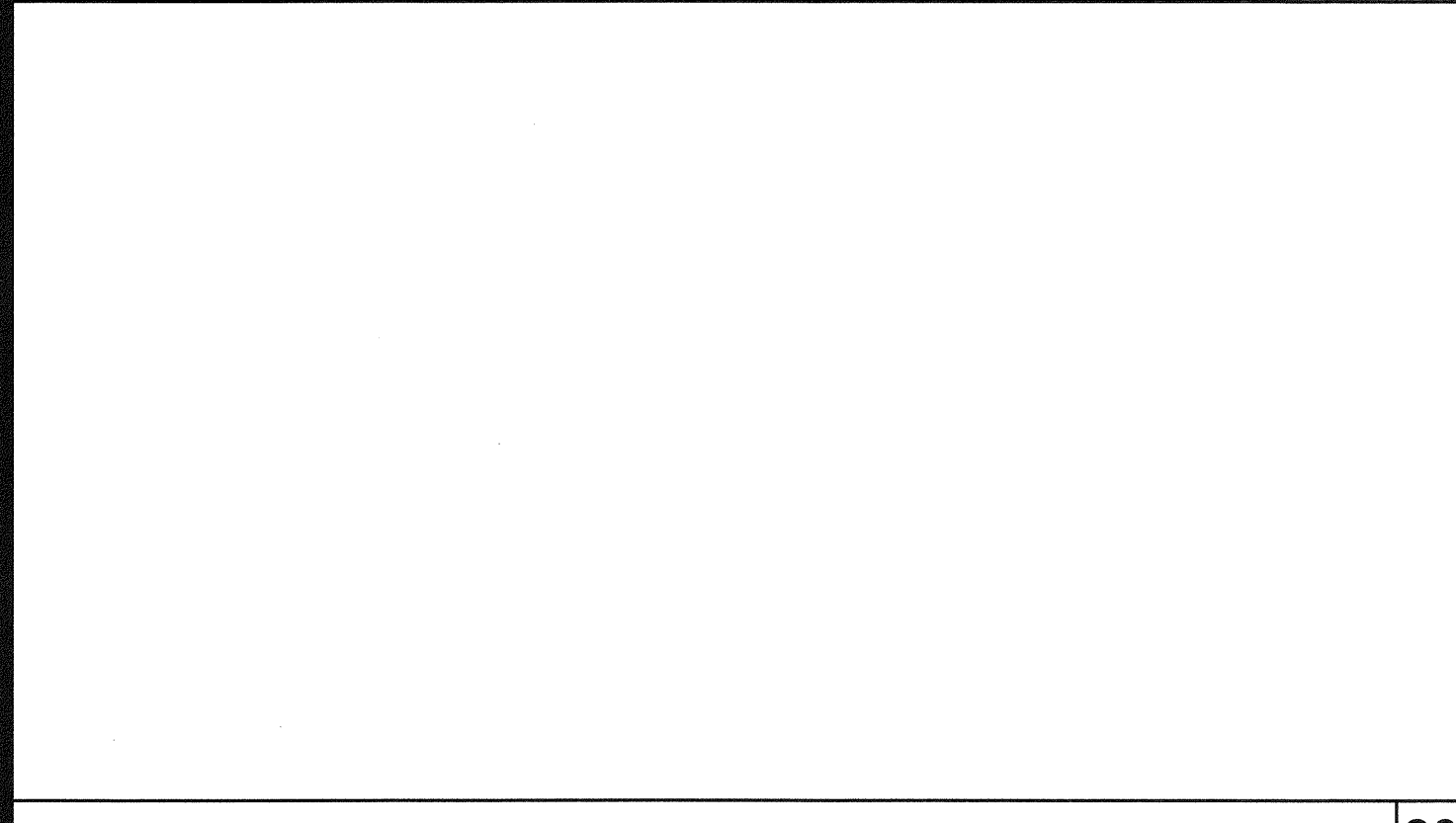
NOT USED SCALE: 1 1/2"=1'-0" 9



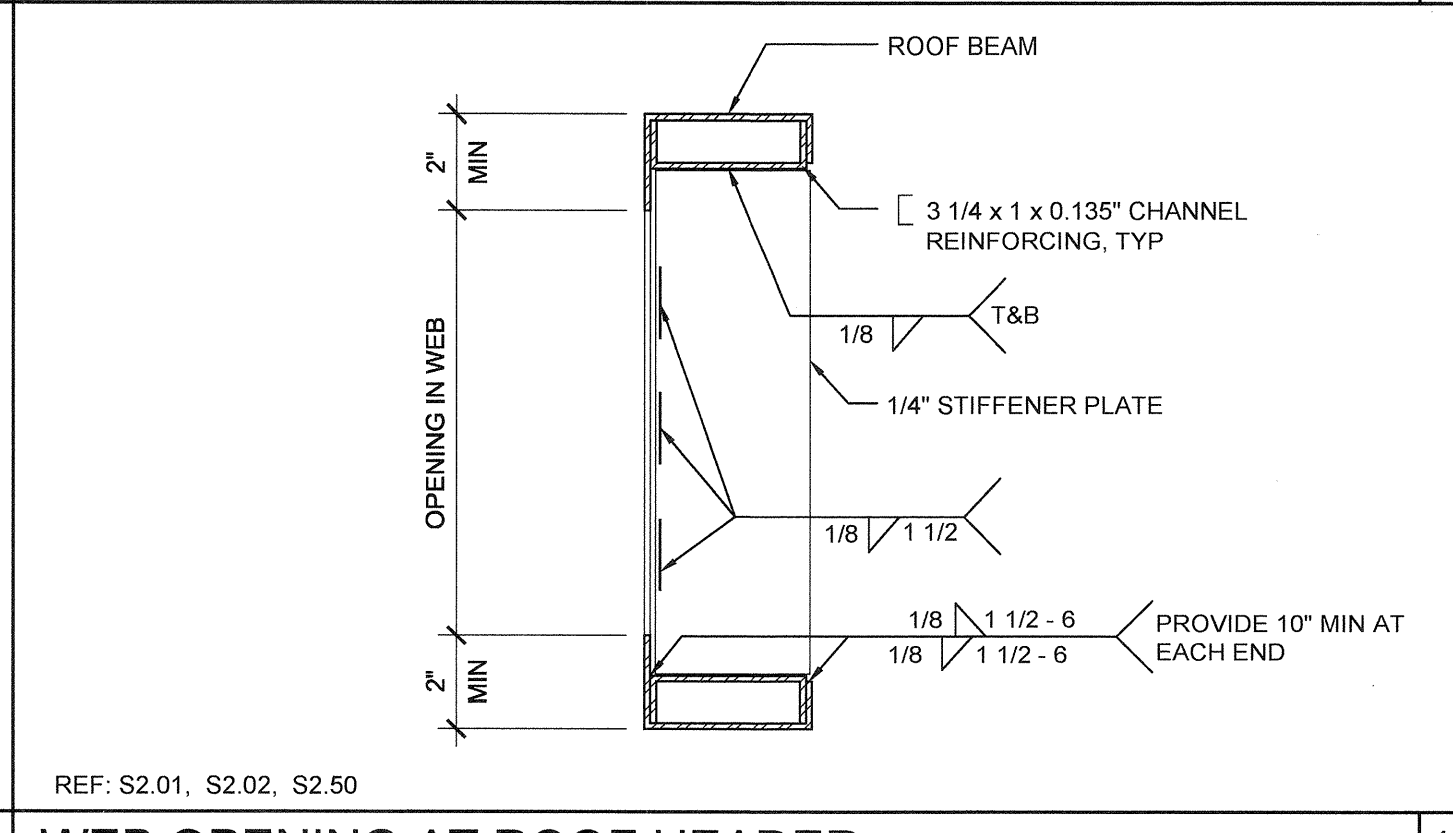
NOT USED SCALE: 1 1/2"=1'-0" 4



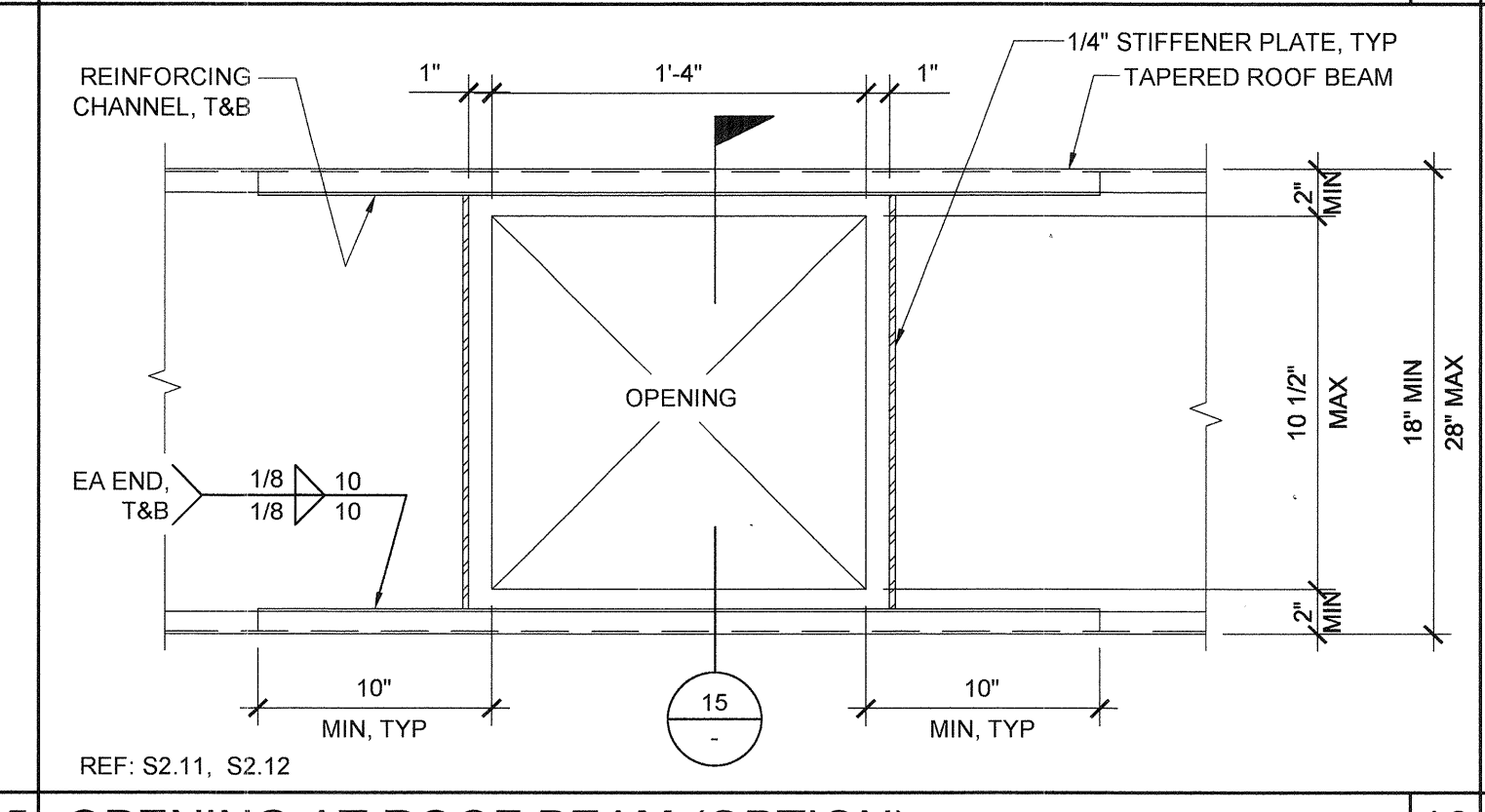
OPENING AT ROOF BEAM (OPTION) SCALE: 1 1/2"=1'-0" 10



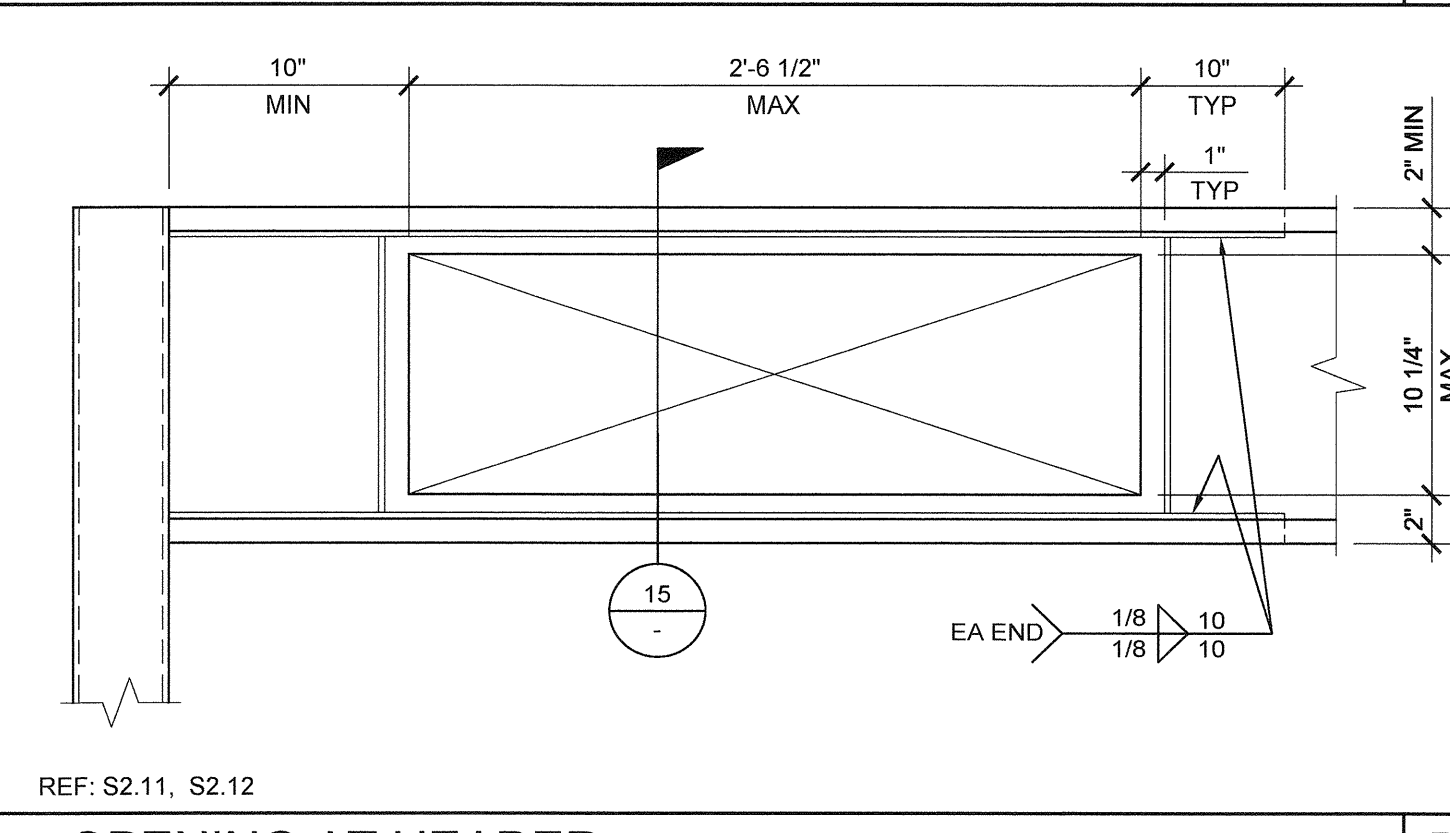
OPENING AT HEADER SCALE: 1 1/2"=1'-0" 5



WEB OPENING AT ROOF HEADER SCALE: 3"=1'-0" 15



OPENING AT ROOF BEAM (OPTION) SCALE: 1 1/2"=1'-0" 10



OPENING AT HEADER SCALE: 1 1/2"=1'-0" 5

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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: LIBERTY UHSD LIBERTY HIGH SCHOOL (1) 12' x 40' TOILET BLDG

SHEET TITLE: ROOF FRAMING DETAILS DUAL SLOPE



ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL FILE NUMBER: 33-SILVER IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT 04 - 116720 INCR: 0 AC_RM_FLS_DS_SSR_KER DATE: 08/22/2018

Table with columns for REVISIONS and drawing information including SILVER CREEK INDUSTRIES 12' x 40' PC, PROJECT NO: 11183, DRAWN BY: AS NOTED, DATE: 10-12-2017, P.C. SHEET NUMBER S-2.51.

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SILVER CREEK INDUSTRIES, INC.



Building for the Next Generation

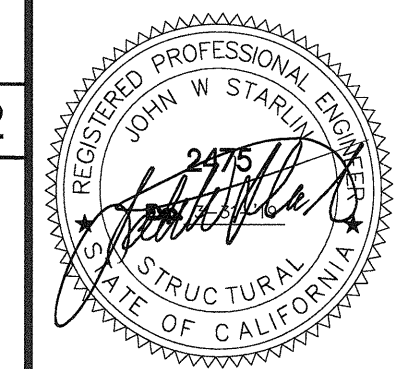
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG

SHEET TITLE:

ROOF FRAMING
DETAILS



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE 2016 CEC
FOR CONSTRUCTION (REQUIRED)

FILE NUMBER: 33-SILVER

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183

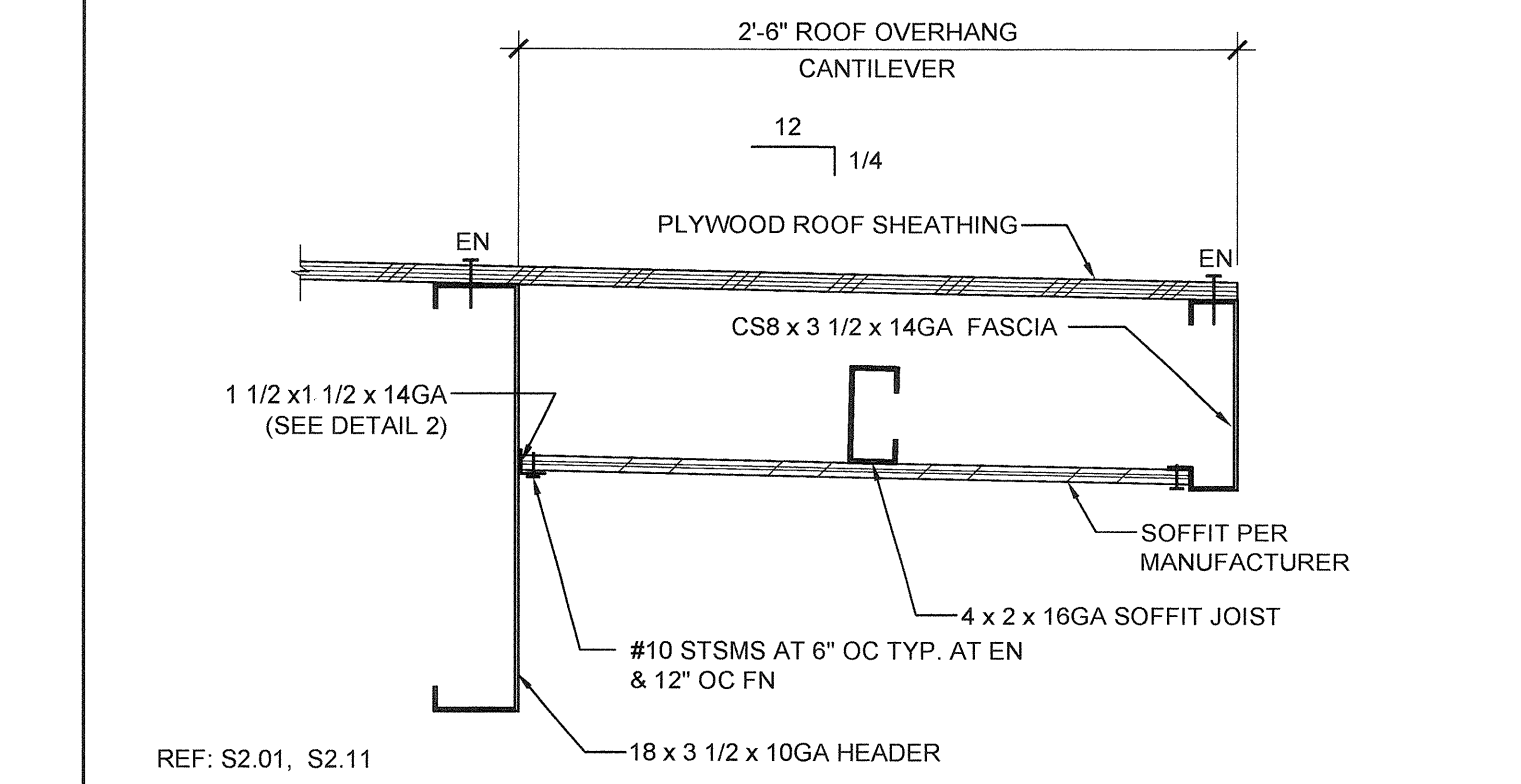
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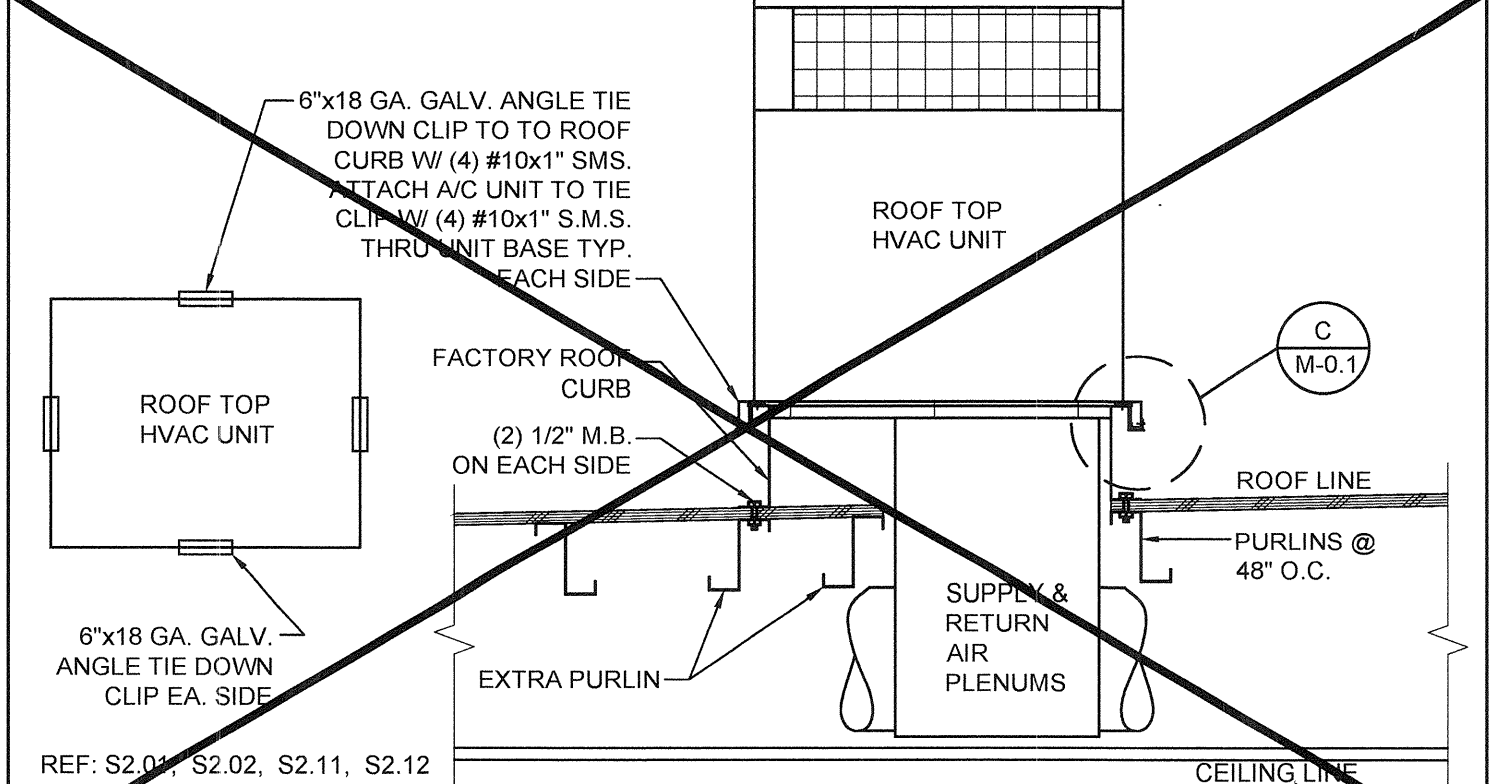
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P.C. SHEET NUMBER

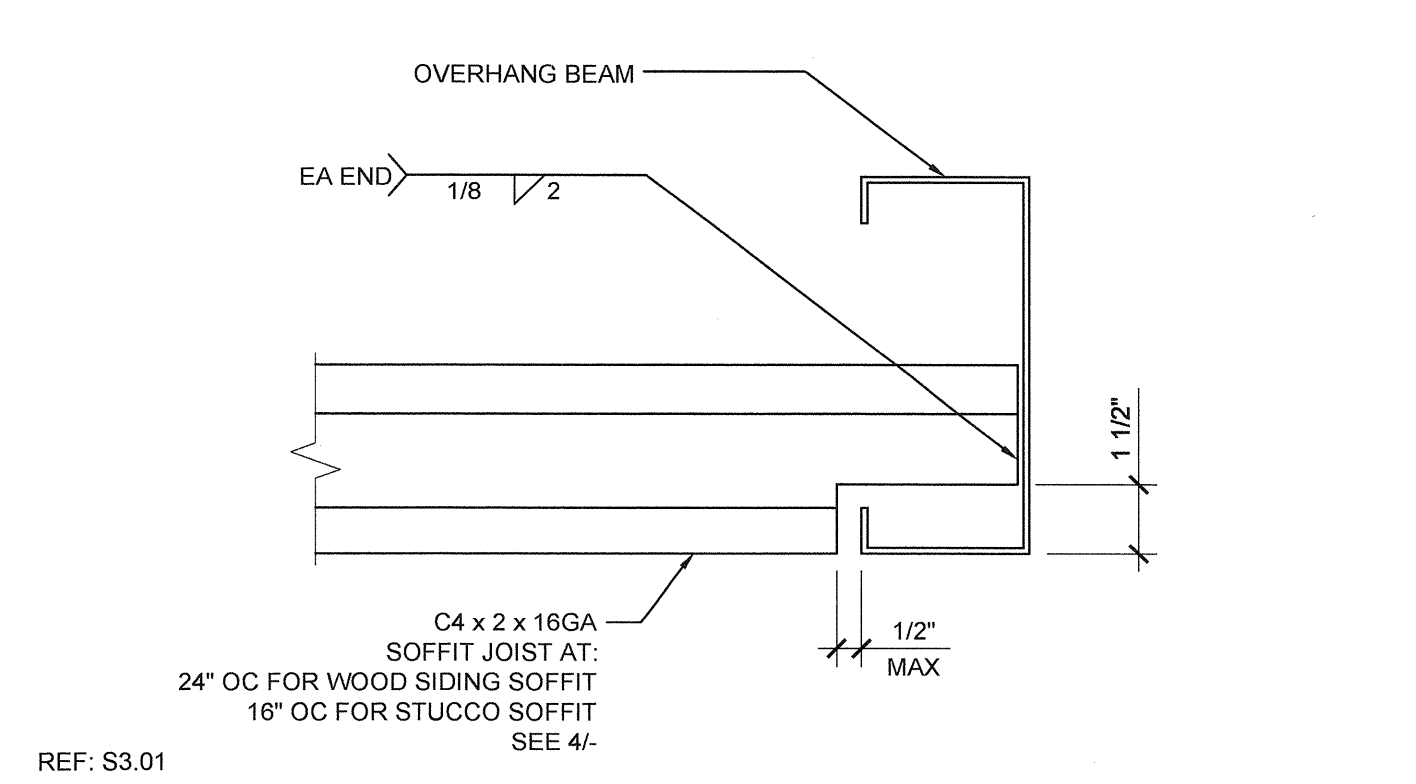
S-2.60



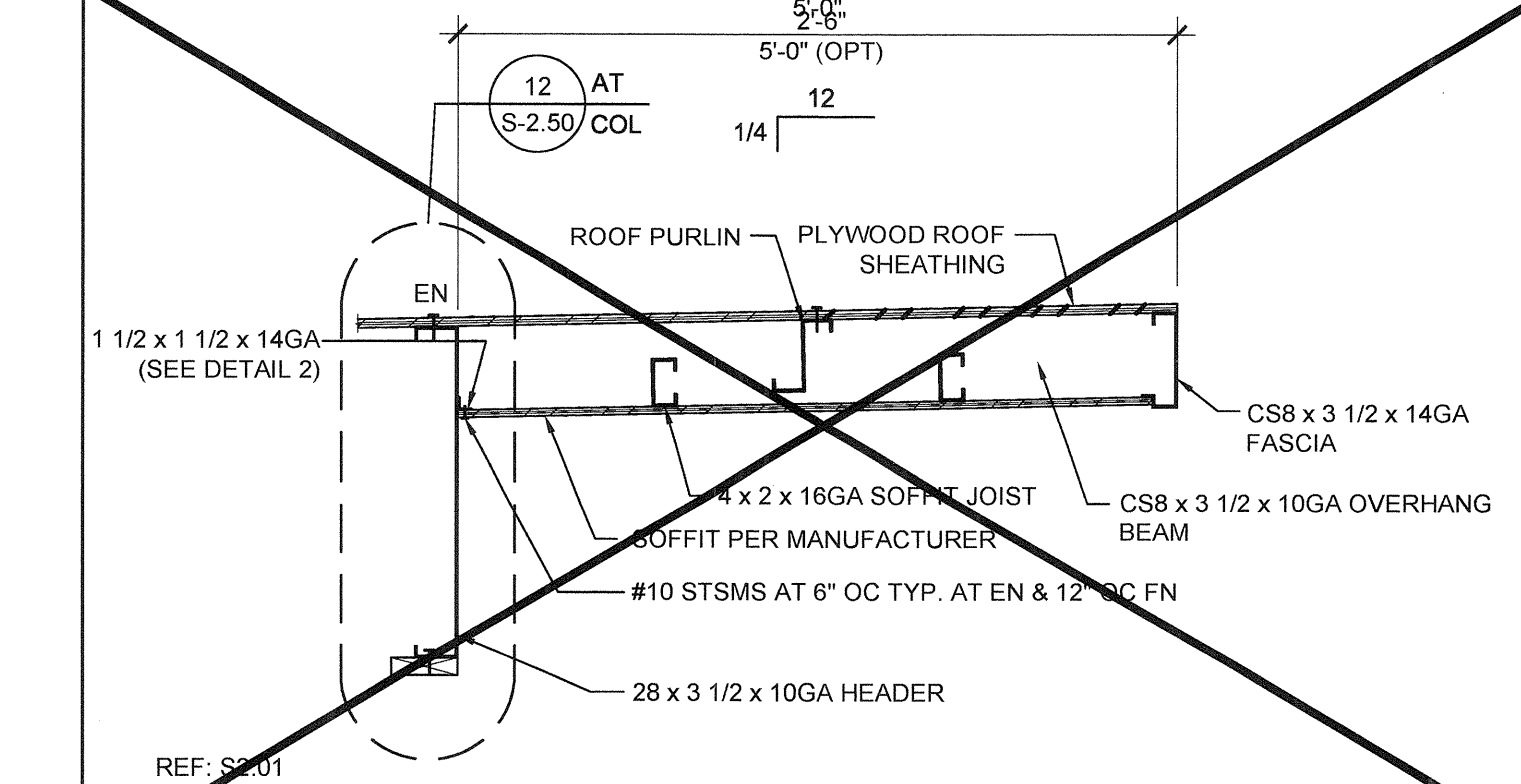
16 REAR OVERHANG SECTION SCALE: 1 1/2" = 1'-0"



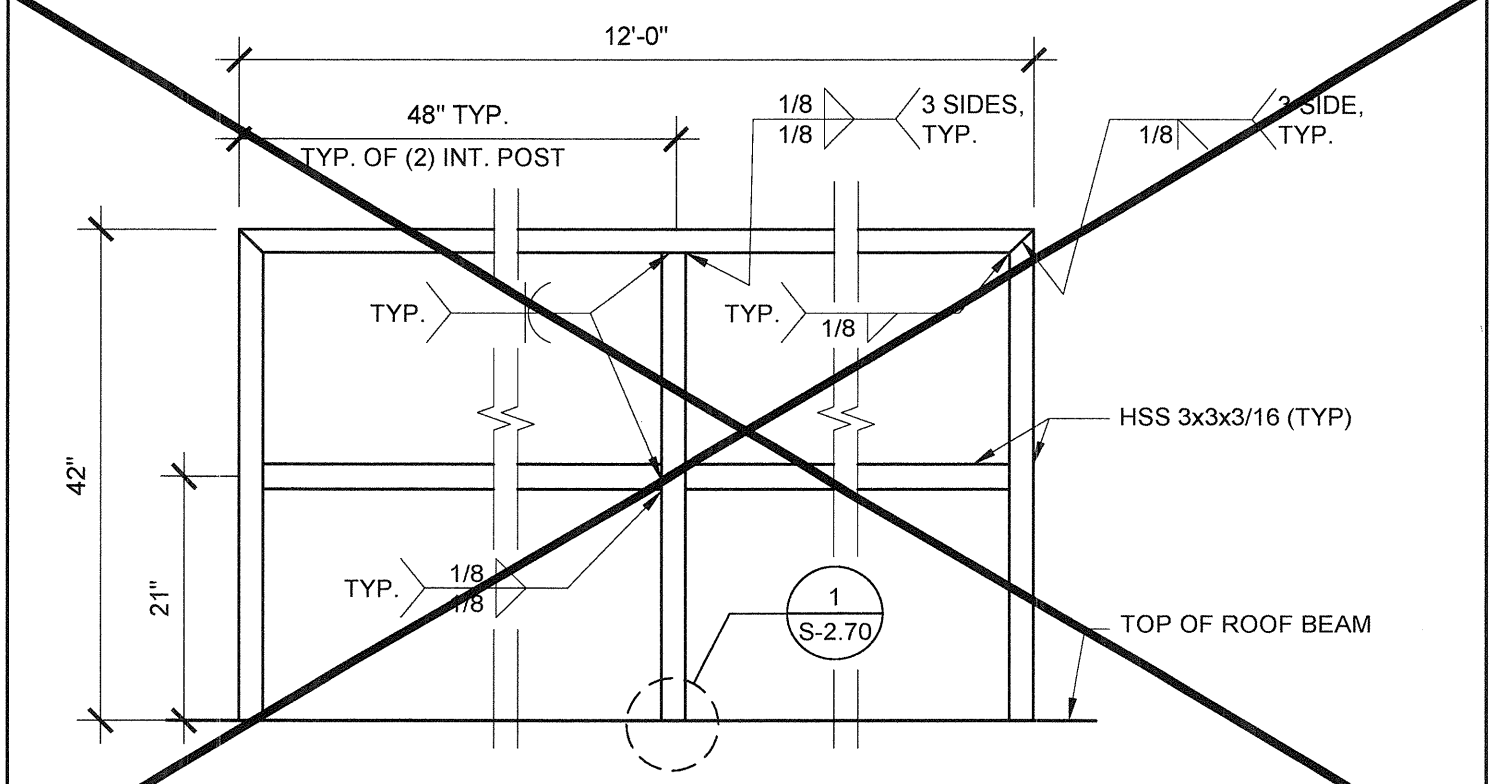
11 HVAC CURB ATTACHMENT SCALE: 3/4" = 1'-0"



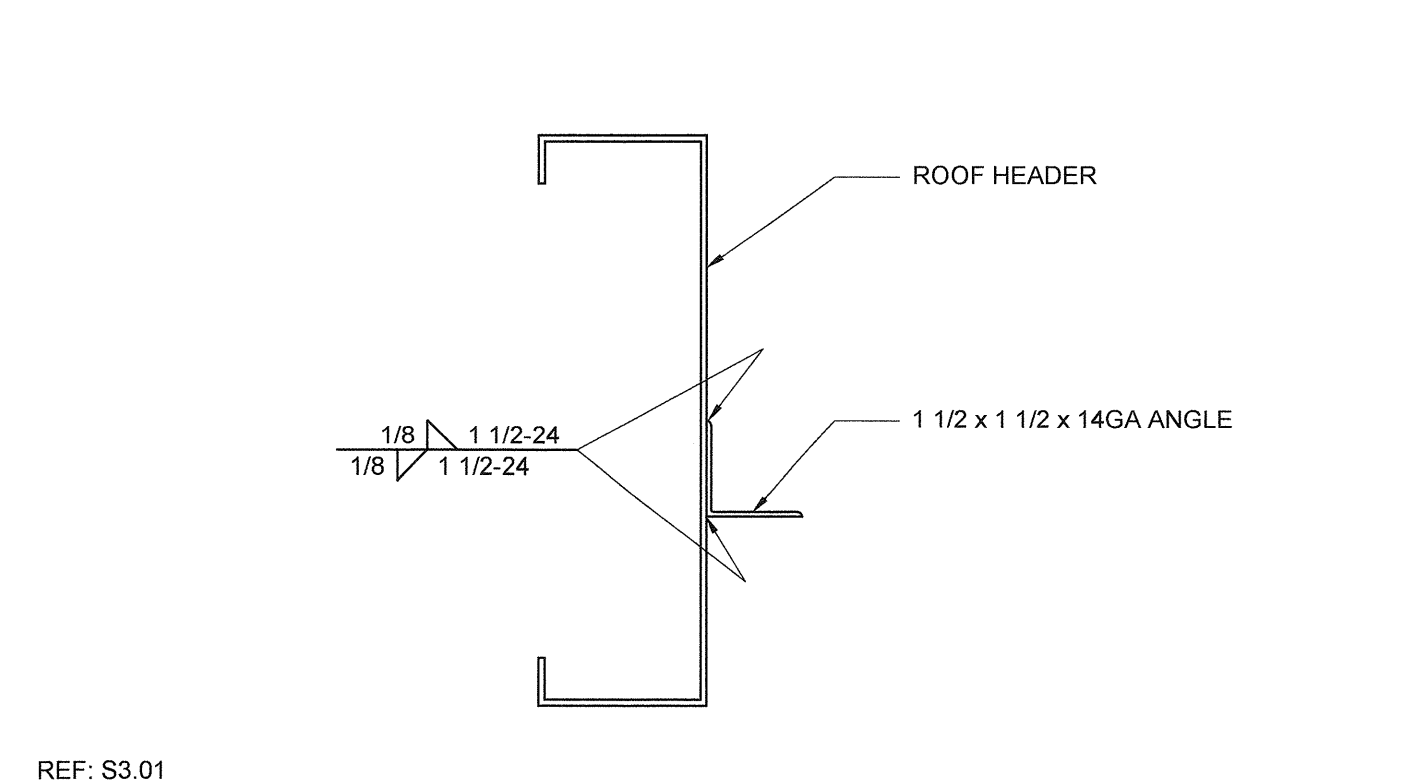
6 SOFFIT JOIST TO OVERHANG BEAM SCALE: 3" = 1'-0"



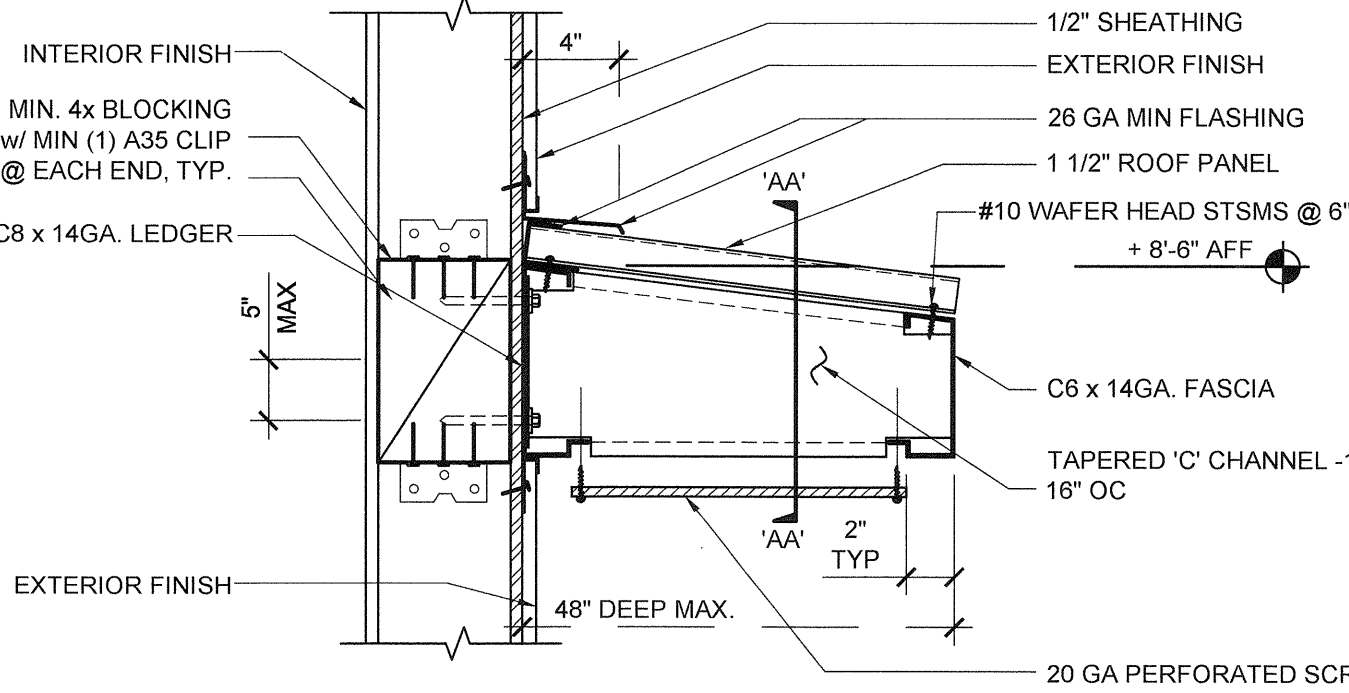
17 FRONT OVERHANG SECTION - MONO SLOPE SCALE: 3/4" = 1'-0"



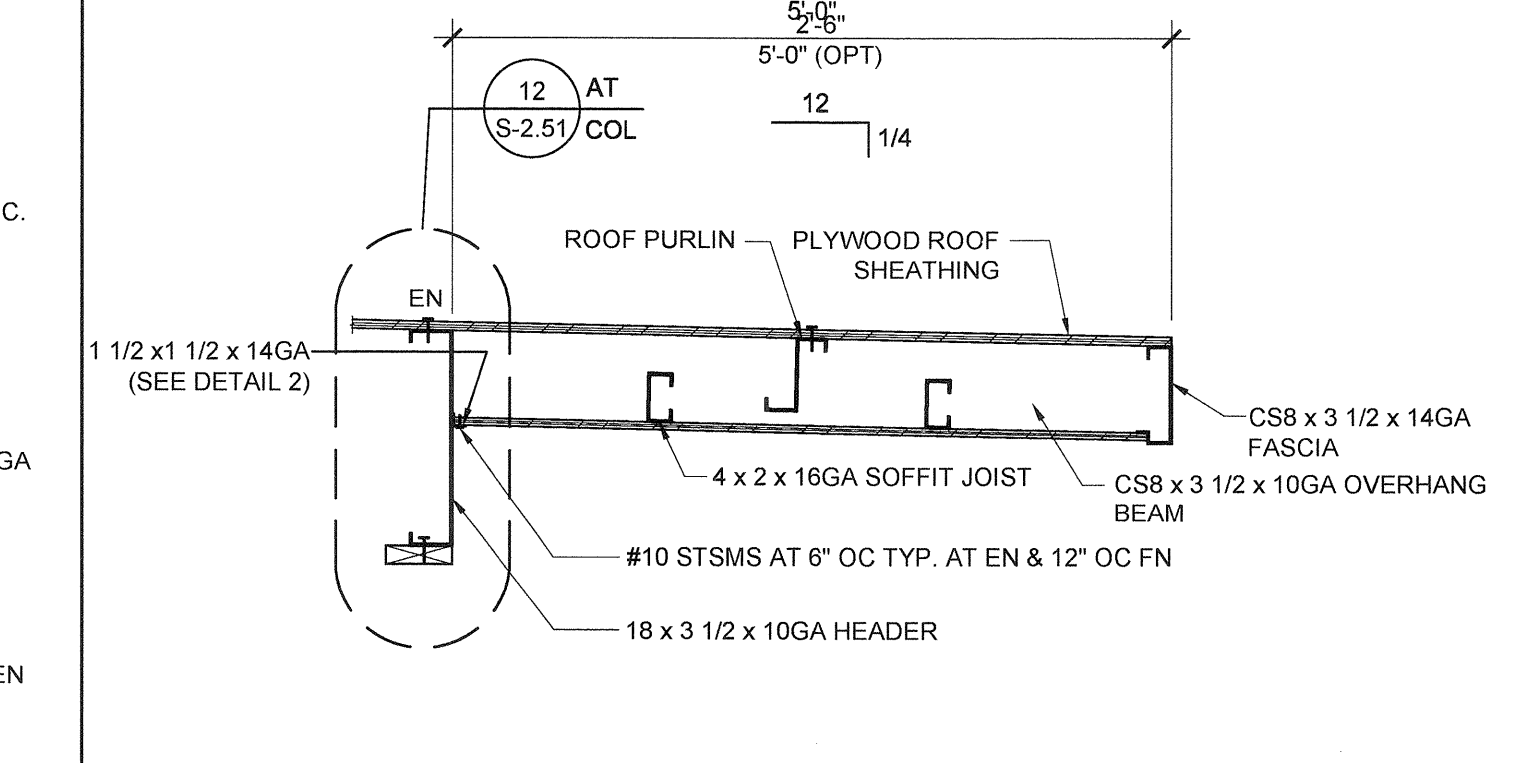
12 GUARDRAIL AT SIDEWALL SCALE: 3/4" = 1'-0"



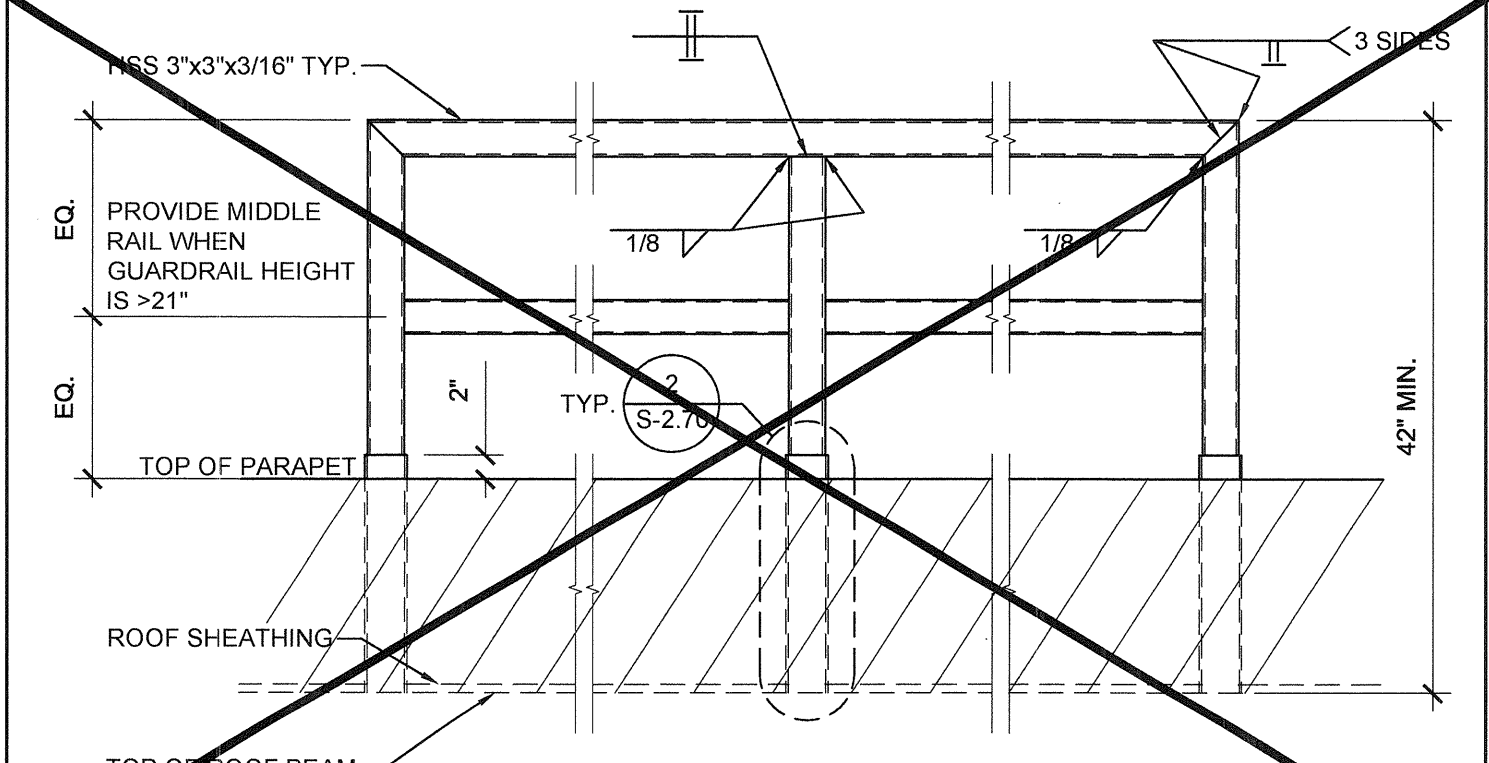
7 SOFFIT ANGLE TO HEADER CONNECTION SCALE: 3" = 1'-0"



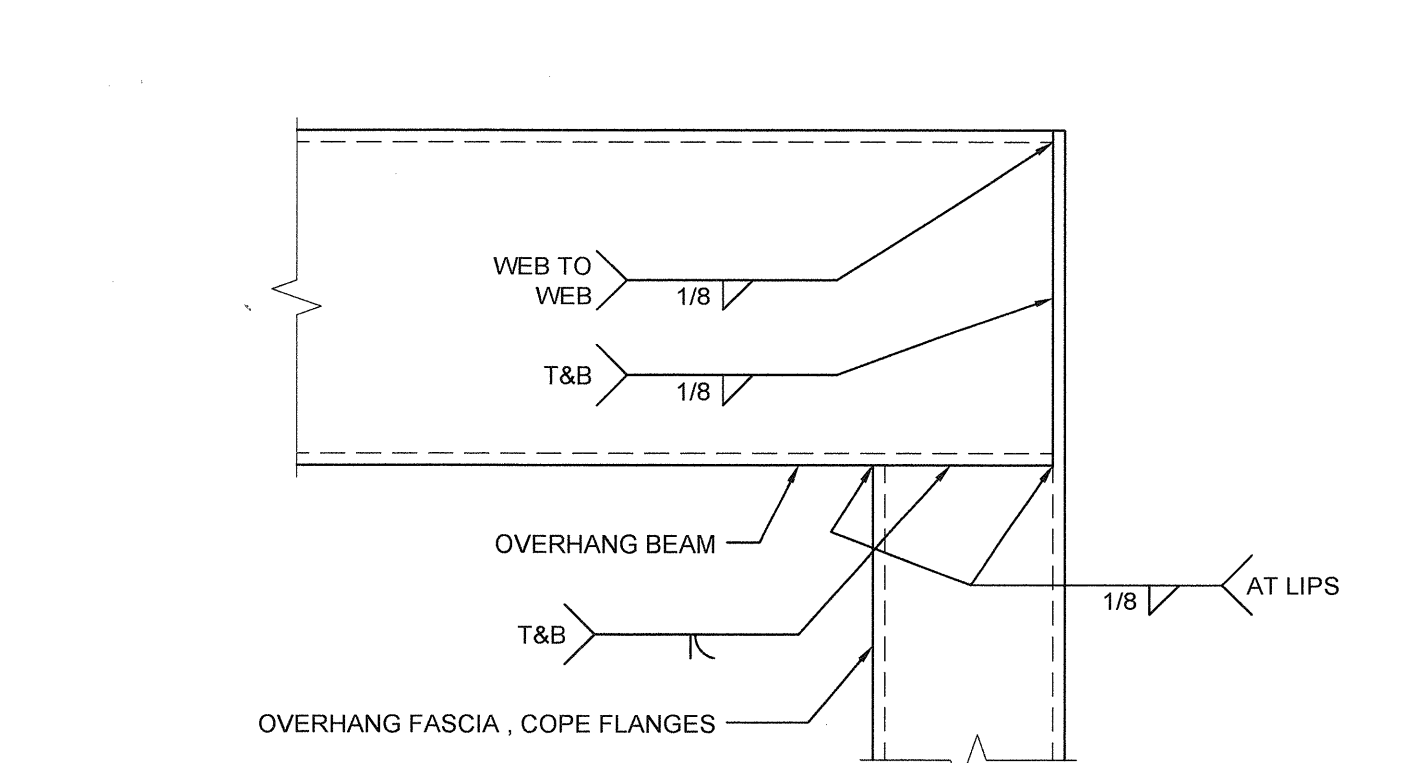
CANOPY SECTION



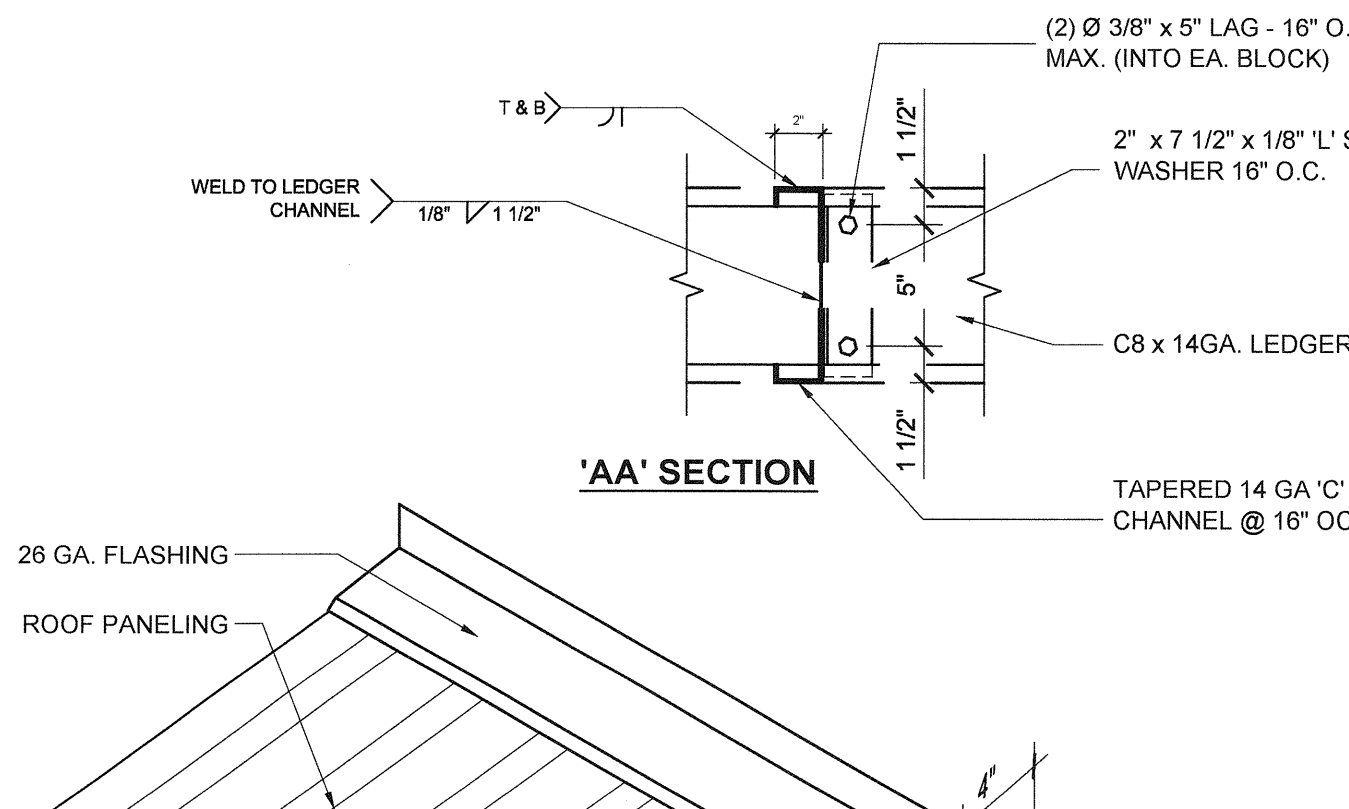
17 FRONT OVERHANG SECTION - DUAL SLOPE SCALE: 3/4" = 1'-0"



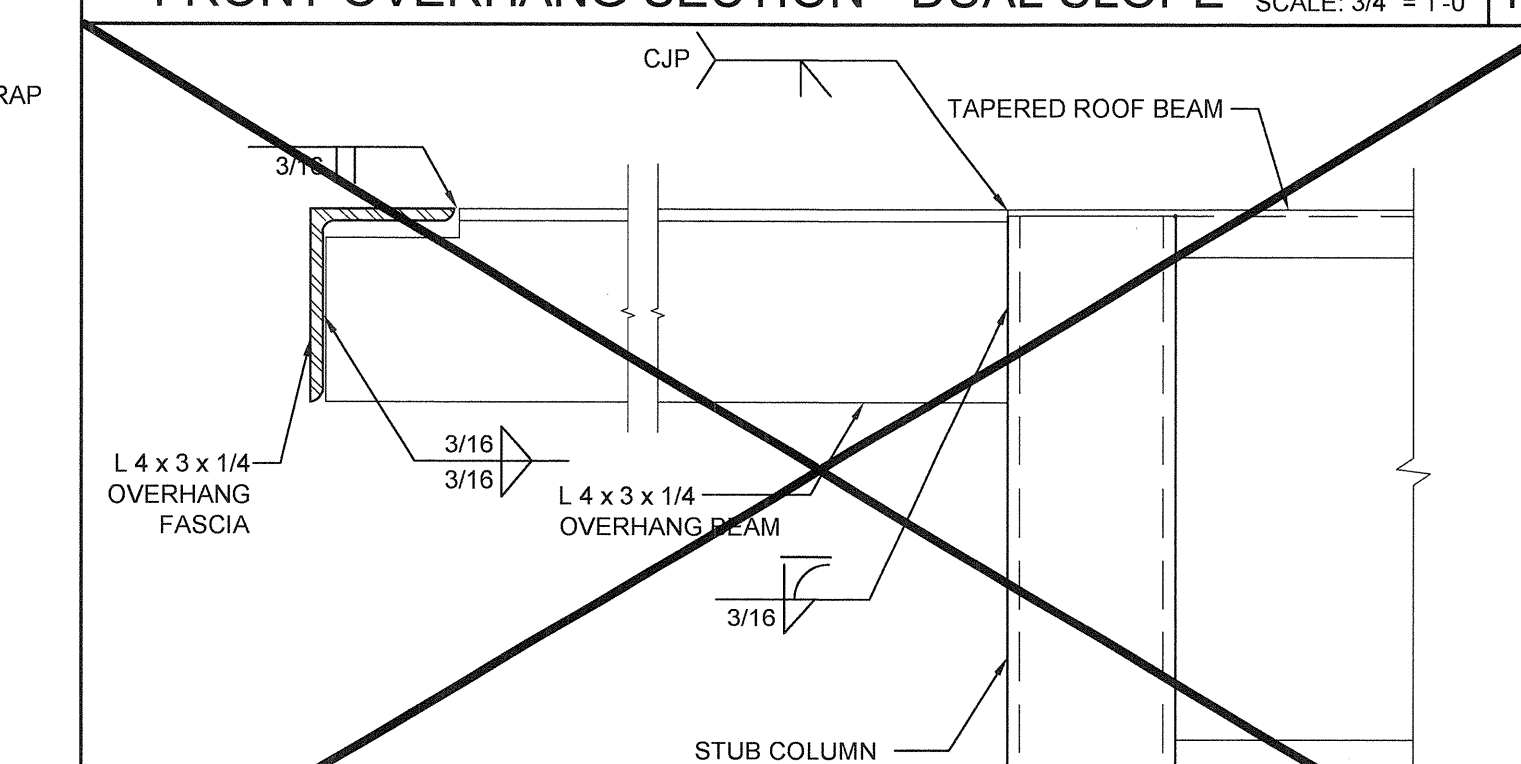
13 ROOF GUARDRAIL W/ PARAPET SCALE: 3/4" = 1'-0"



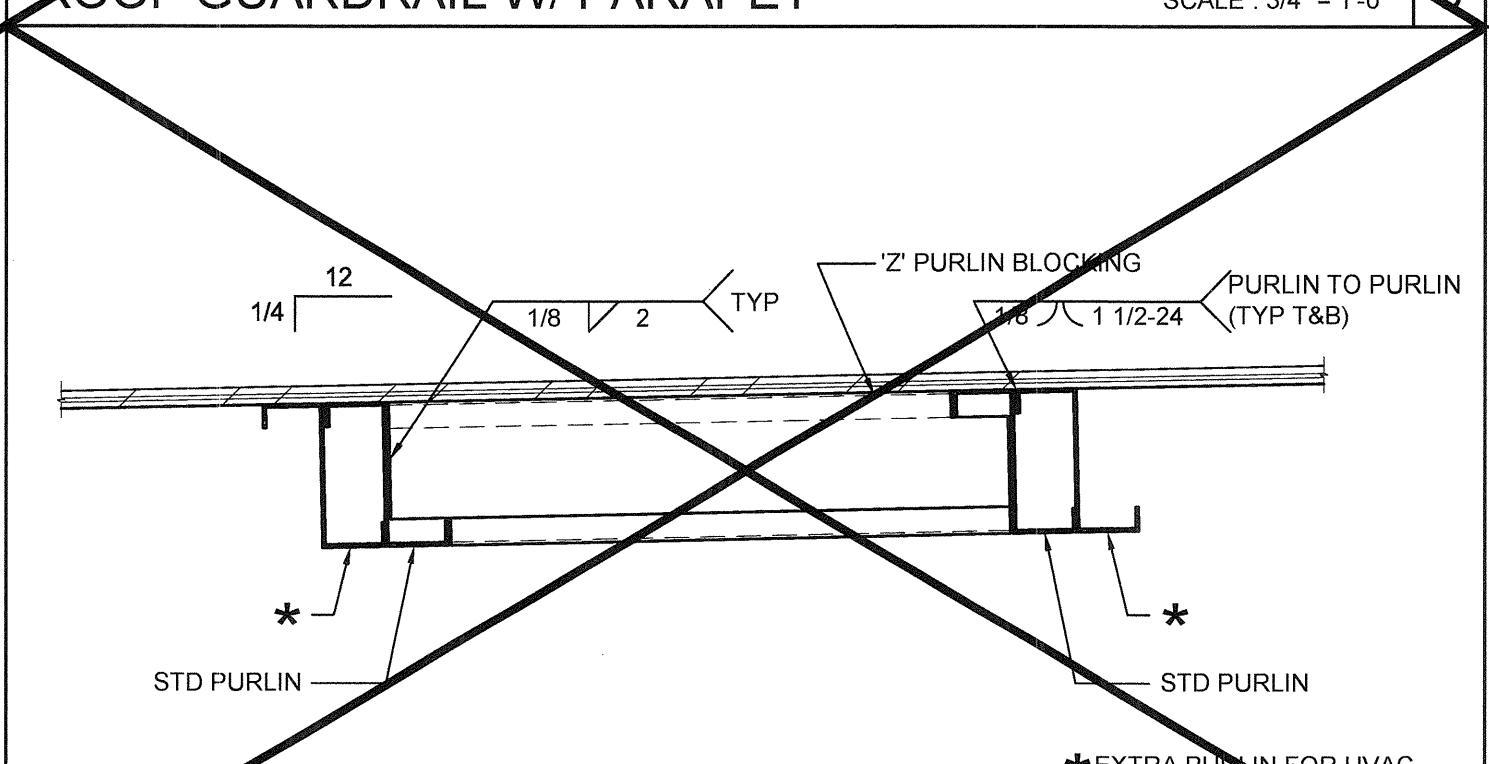
3 OVERHANG FASCIA TO BEAM CONNECTION SCALE: 6" = 1'-0"



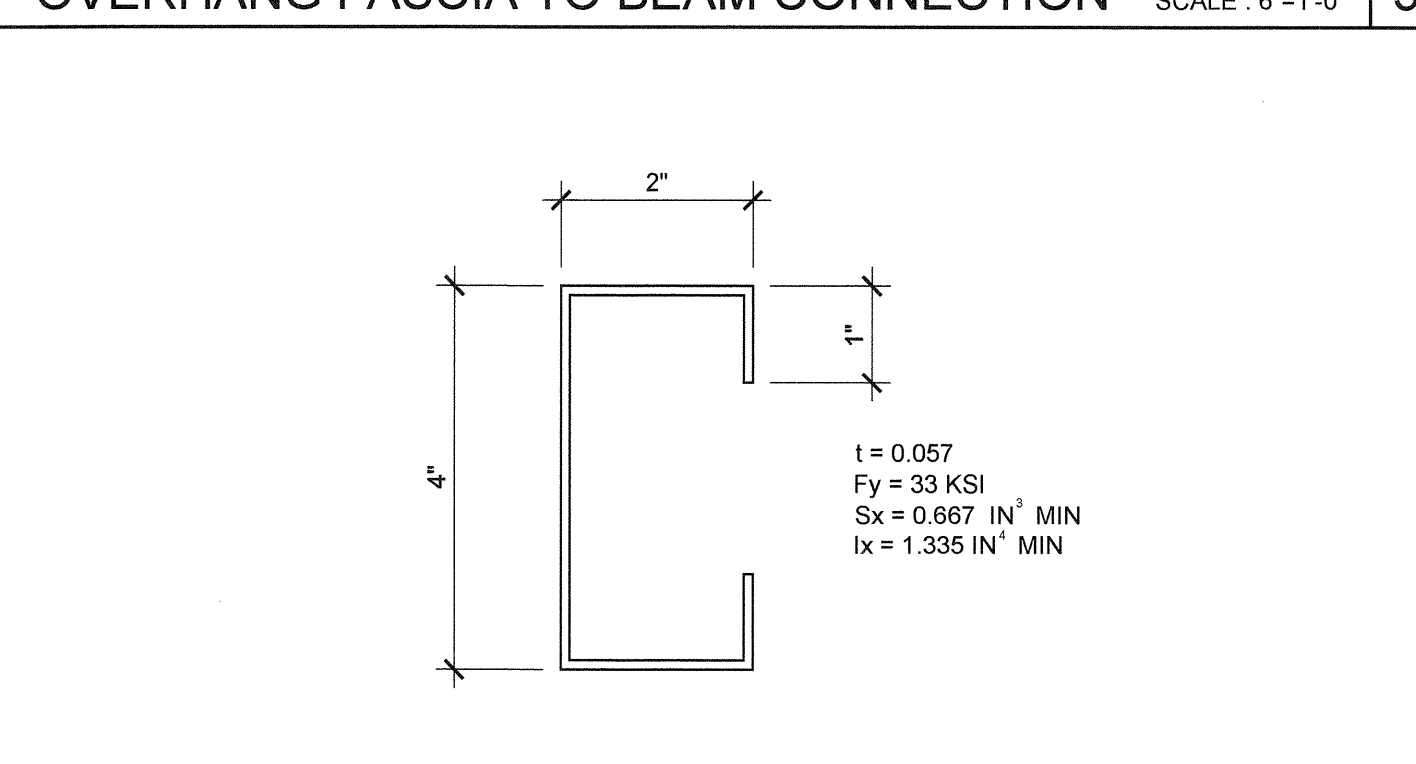
'AA' SECTION



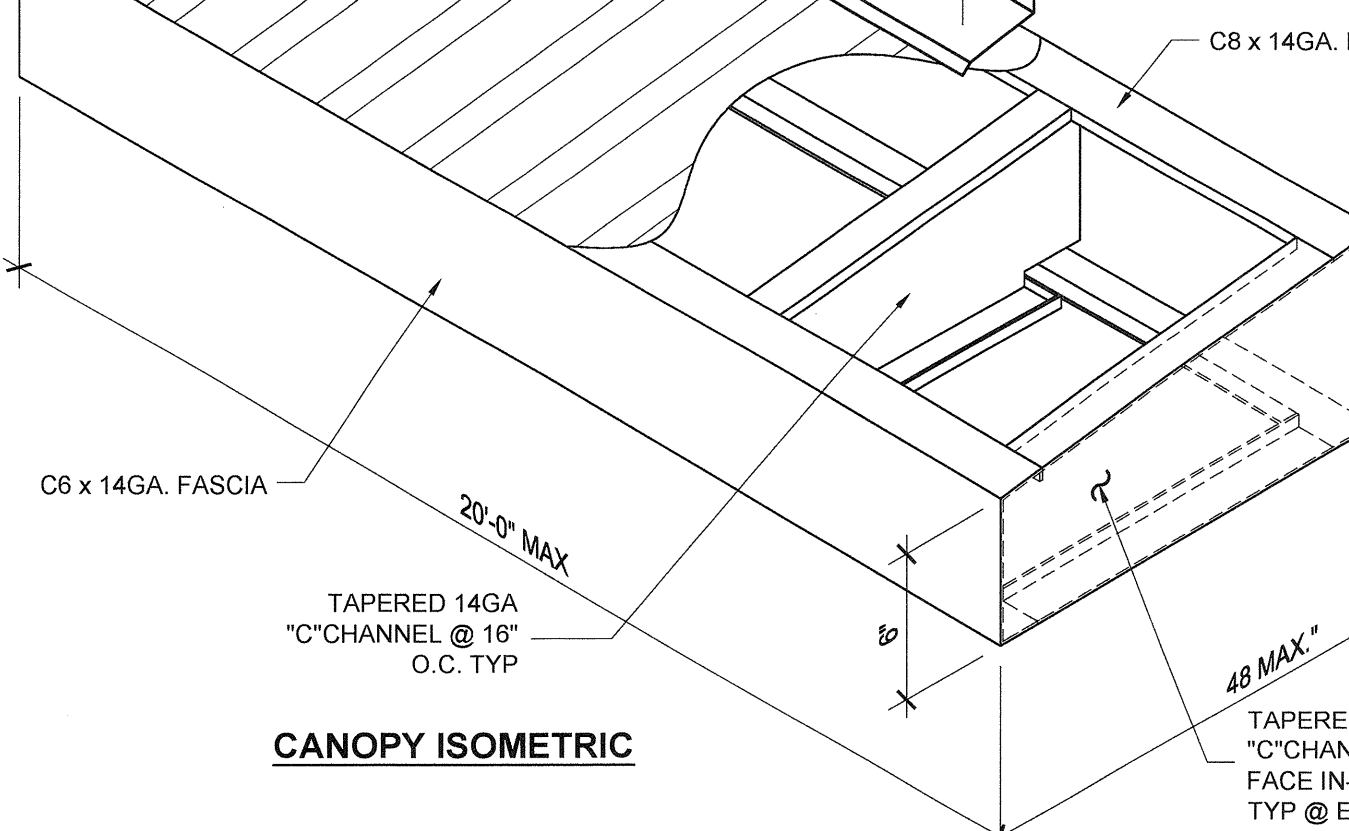
14 5'-0" ROOF OVERHANG AT 0.030" ROOF SCALE: 3" = 1'-0"



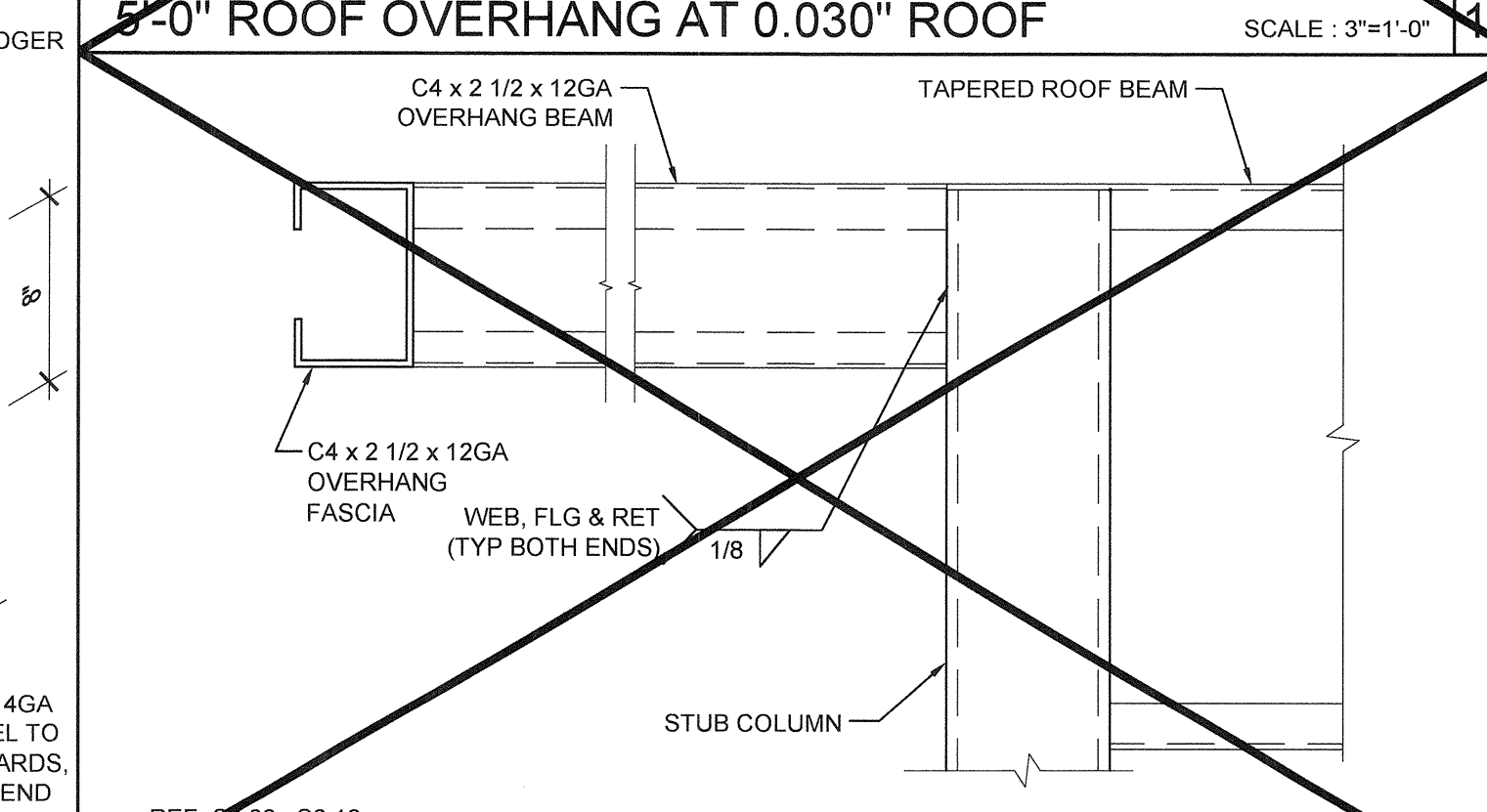
13 DOUBLE PURLINS AT HVAC SCALE: 1 1/2" = 1'-0"



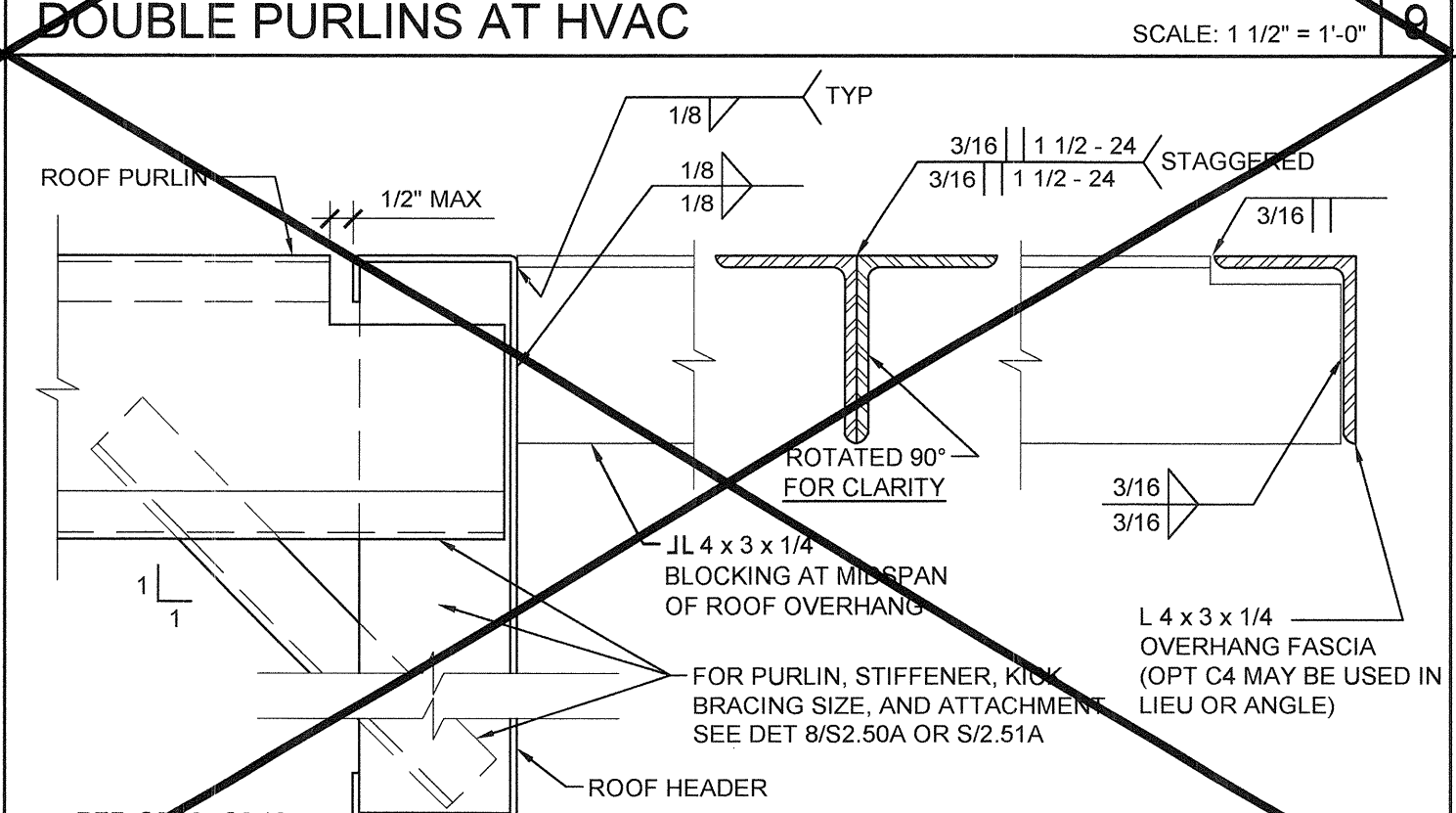
6 SOFFIT JOIST SCALE: 6" = 1'-0"



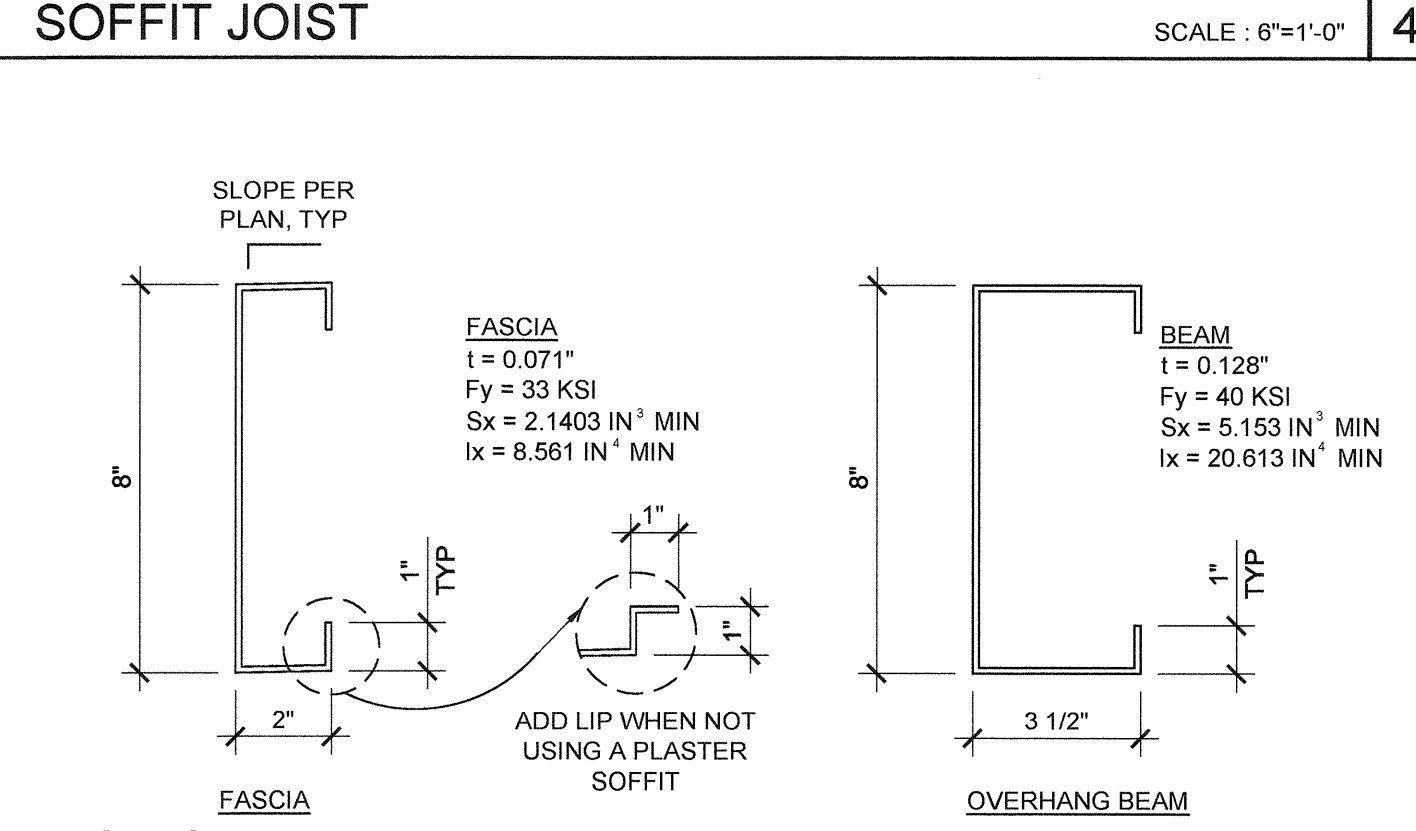
OPTIONAL CANOPY SCALE: 1 1/2" = 1'-0"



14 5'-0" ROOF OVERHANG AT 0.030" ROOF SCALE: 3" = 1'-0"



15 OVERHANG SUPPORT TO ROOF HDR @ STIFFENER SCALE: 3" = 1'-0"

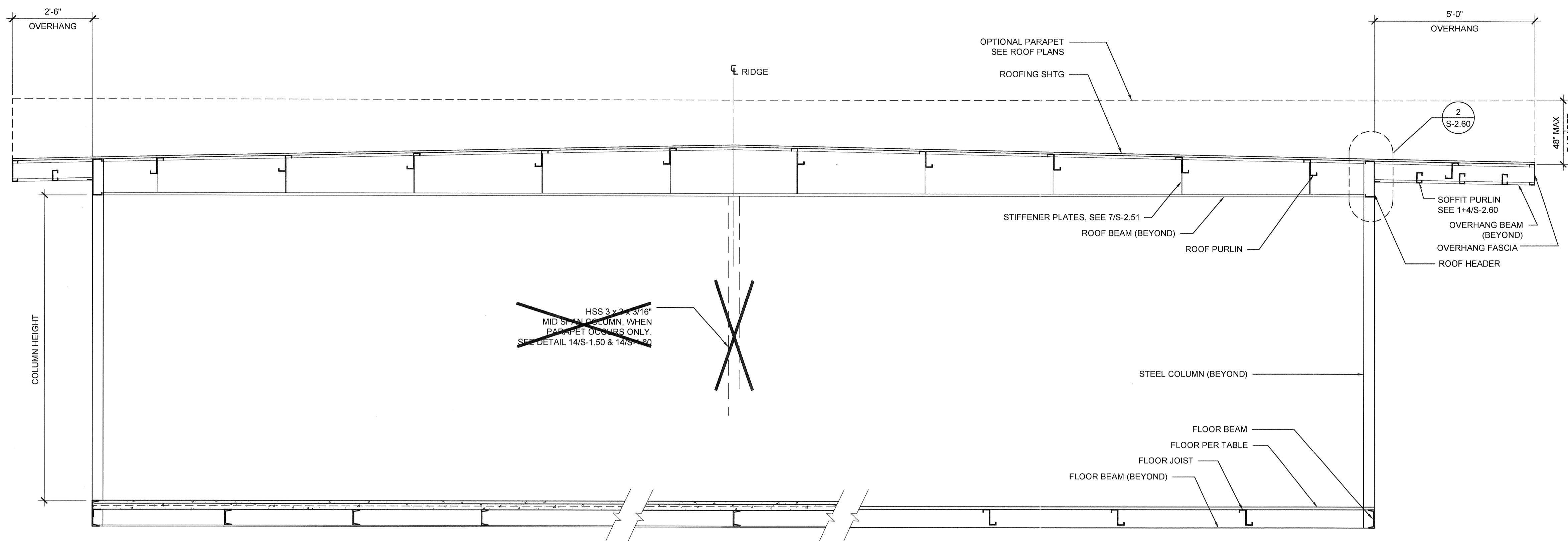


4 OVERHANG FASCIA & BEAM SCALE: 3" = 1'-0"

15 5'-0" ROOF OVERHANG AT 0.030" ROOF SCALE: 3" = 1'-0"

15 OVERHANG SUPPORT TO ROOF HDR @ STIFFENER SCALE: 3" = 1'-0"

4 OVERHANG FASCIA & BEAM SCALE: 3" = 1'-0"



NOTES

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

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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:

**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:

**BUILDING SECTIONS
DUAL SLOPE**



FLOOR CONSTRUCTION

- WOOD FLOOR
- CONCRETE FLOOR

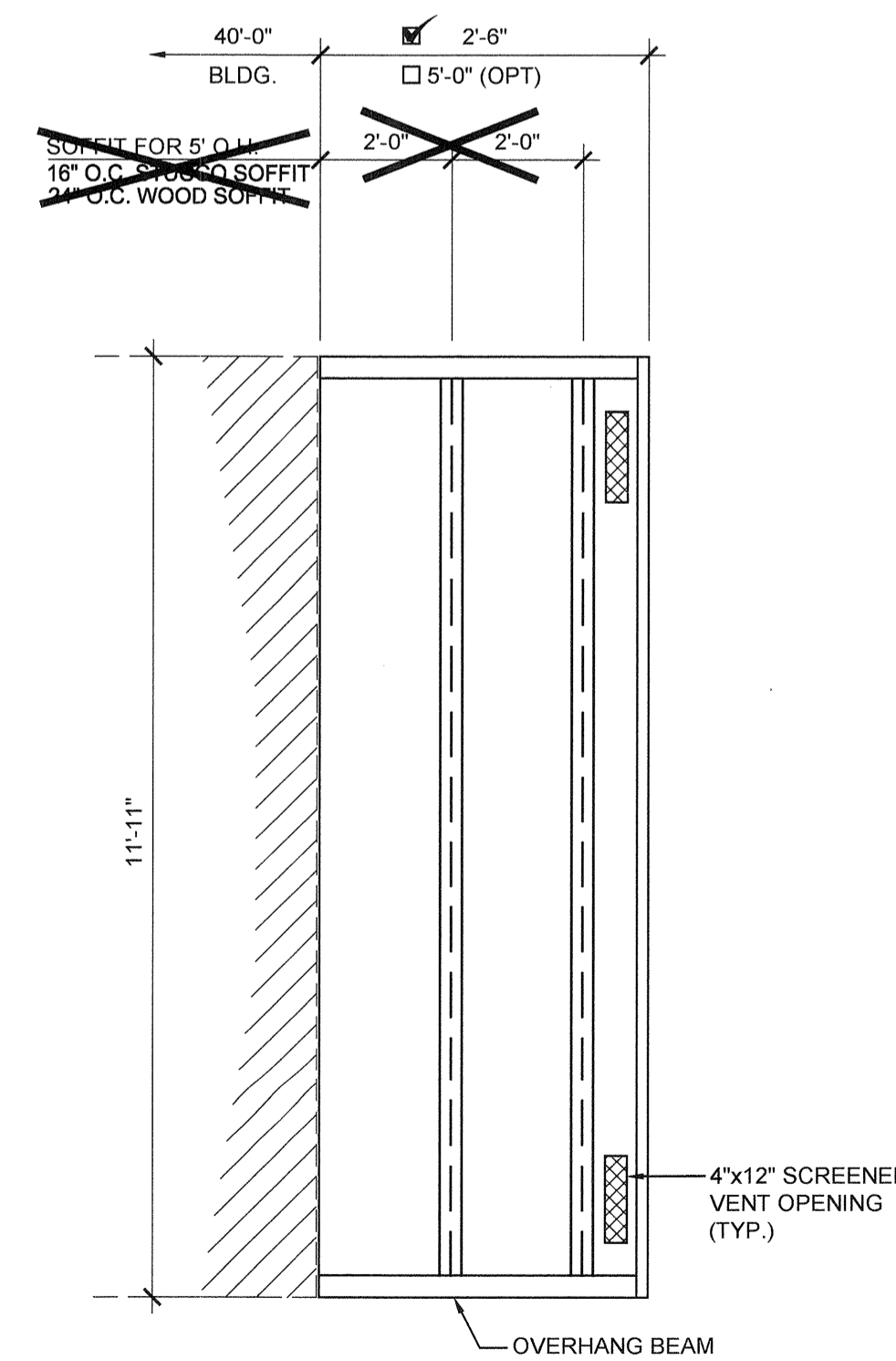
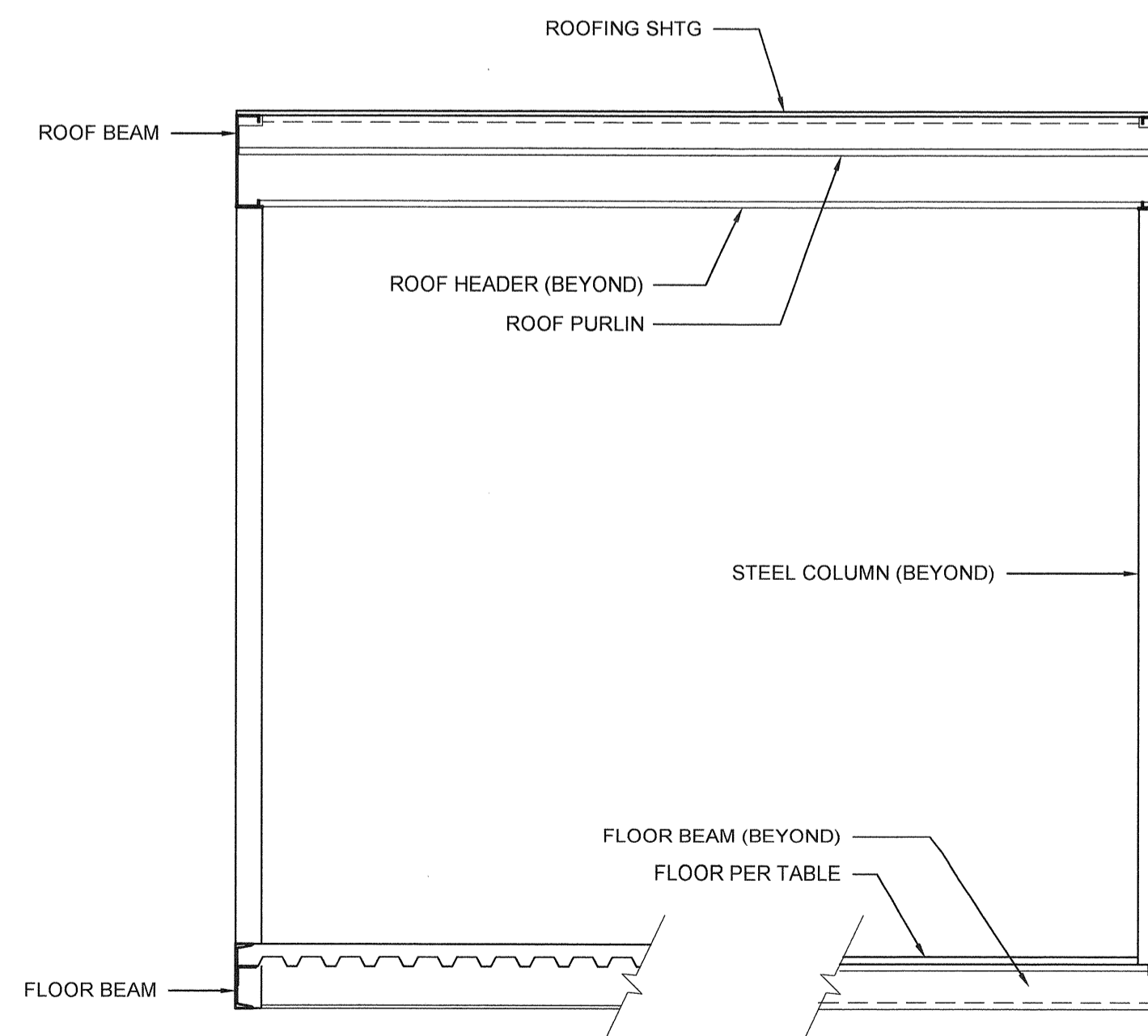
HSS COLUMN SCHEDULE

COL HT	NO PLASTER, NO PARAPET	PLASTER, NO PARAPET	ANY WALL WITH PARAPET
<input checked="" type="checkbox"/> 9'-0"	<input checked="" type="checkbox"/> 5 x 5 x 1/4	<input type="checkbox"/> 6 x 4 x 1/4	<input type="checkbox"/> 6 x 6 x 1/4 *
<input type="checkbox"/> 9'-6"	<input type="checkbox"/> 6 x 4 x 1/4	<input type="checkbox"/> 6 x 4 x 1/4	<input type="checkbox"/> 6 x 6 x 1/4 *
<input type="checkbox"/> 10'-0"	<input type="checkbox"/> 6 x 4 x 1/4	<input type="checkbox"/> 6 x 6 x 1/4	<input type="checkbox"/> 6 x 6 x 1/4 *
<input type="checkbox"/> 10'-6"	<input type="checkbox"/> 6 x 6 x 1/4	<input type="checkbox"/> 6 x 6 x 1/4 *	<input type="checkbox"/> 6 x 6 x 1/4 *

*REQUIRES MINIMUM C8x13.7 FLOOR BEAM @ WOOD FLOOR

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

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
AS PER STATE PROJECT REGULATION
CODE 0916 CIRC
1. THE SUBMITTALS MUST BE REVIEWED

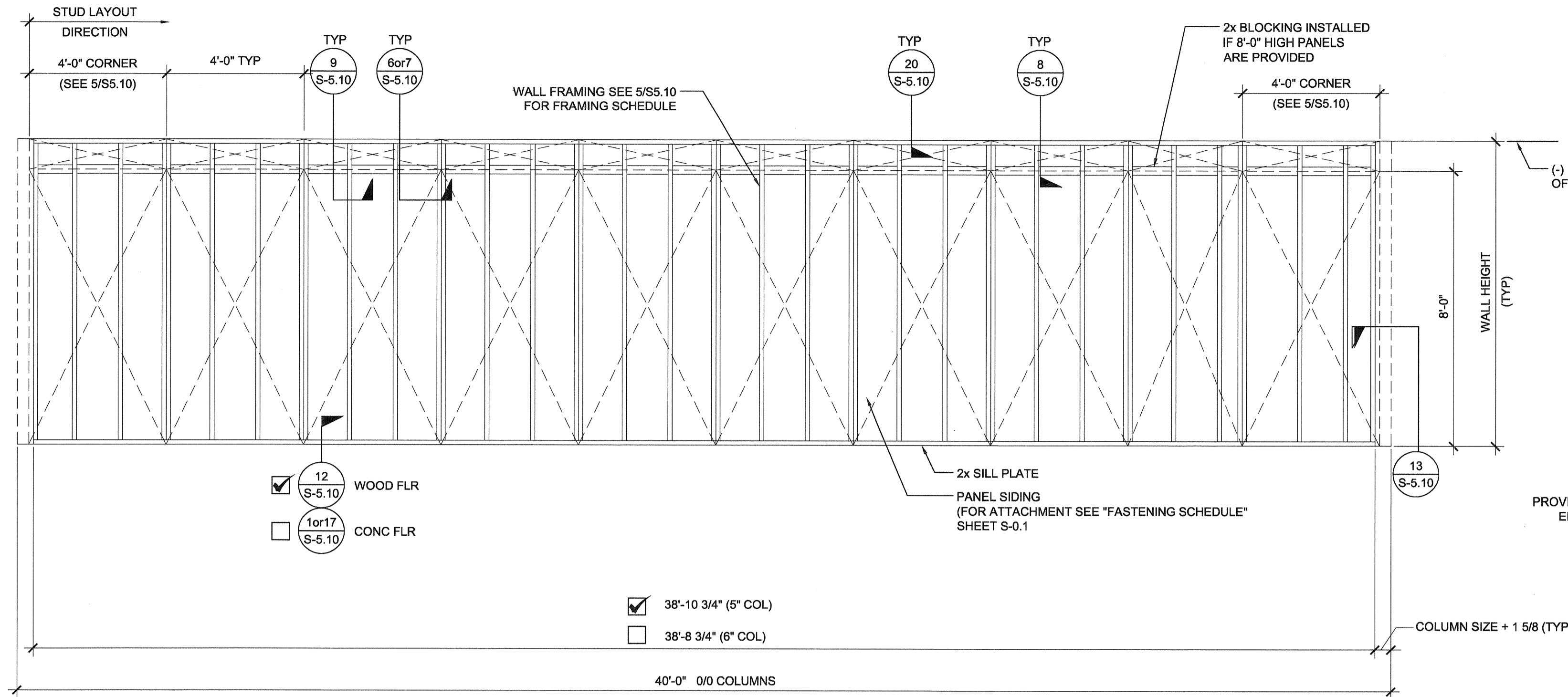
FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE 08/22/2018

REVISIONS

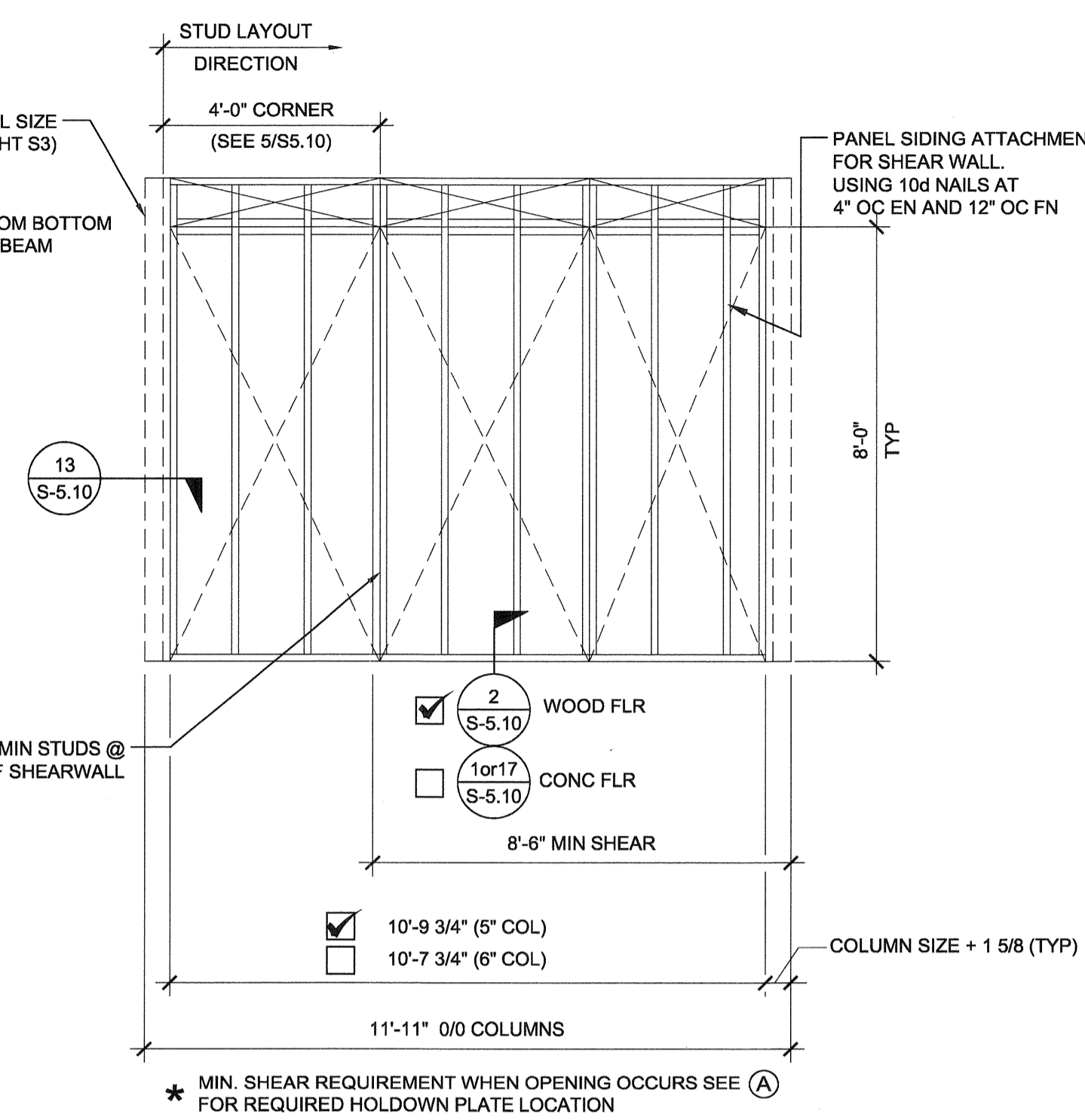
SILVER CREEK INDUSTRIES
12' x 40' PC
PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

P.C. SHEET NUMBER

S-3.02



TYPICAL SIDE WALL



TYPICAL END WALL

WALL HEIGHT SCHEDULE

COLUMN HEIGHT	<input checked="" type="checkbox"/> 9'-0"	<input type="checkbox"/> 9'-6"	<input type="checkbox"/> 10'-0"	<input type="checkbox"/> 10'-6"
<input type="checkbox"/> CONCRETE FLOOR	8'-11 7/8"	9'-5 7/8"	9'-11 7/8"	10'-5 7/8"
<input checked="" type="checkbox"/> WOOD FLOOR	8'-10 3/4"	9'-4 3/4"	9'-10 3/4"	10'-4 3/4"

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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:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**FRAMING ELEVATIONS
WOOD STUDS**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183

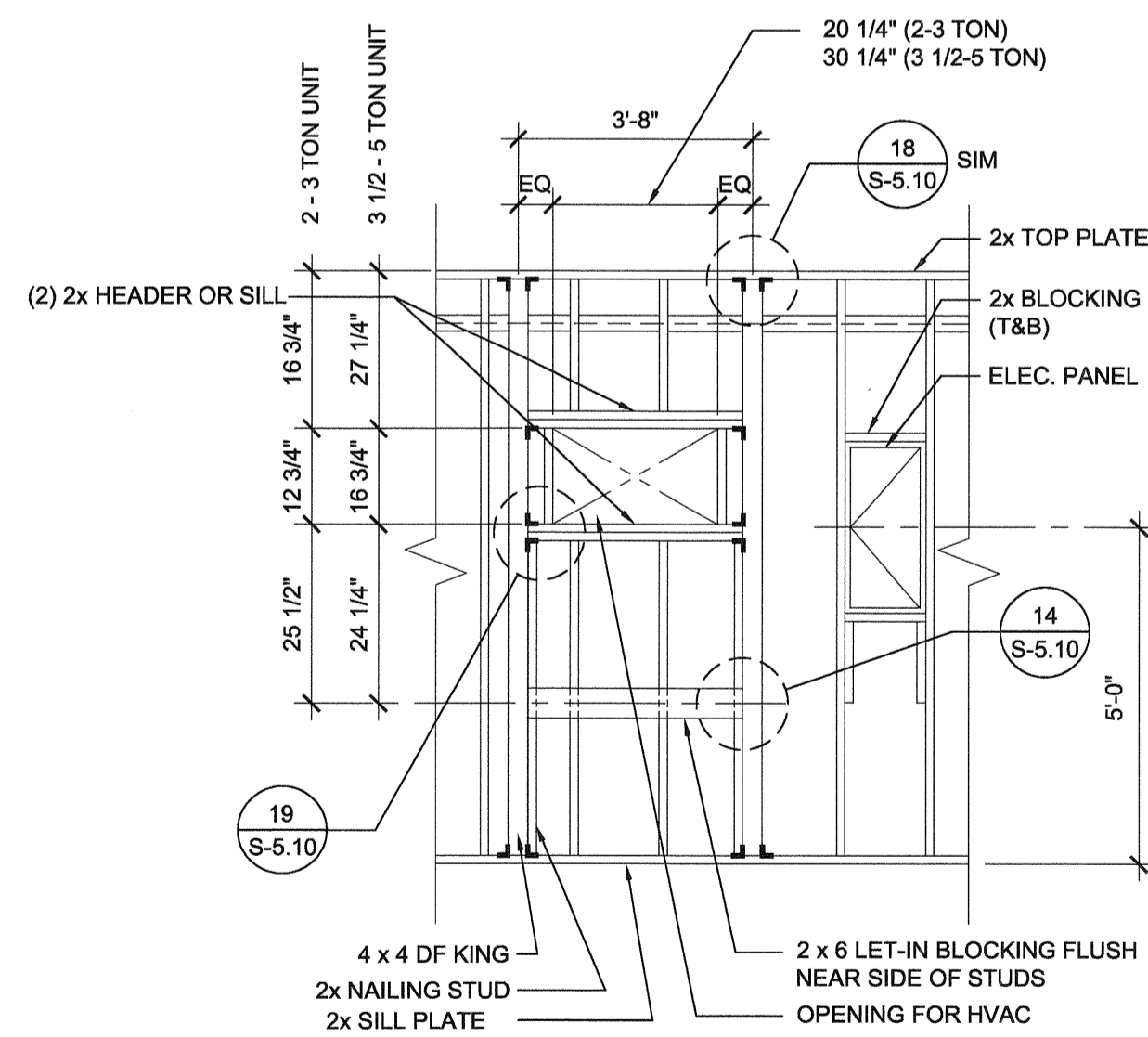
DRAWN BY:

SCALE: AS NOTED

DATE: 10-12-2017

P.C. SHEET NUMBER

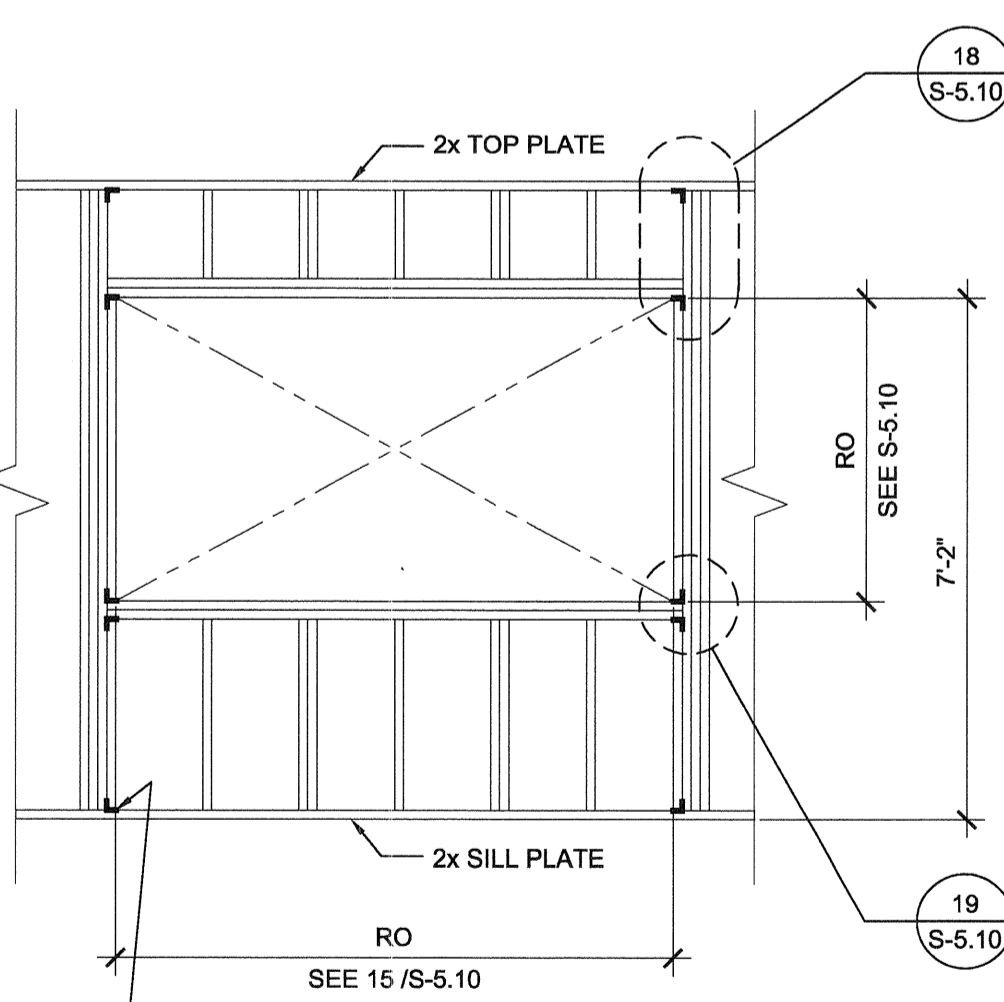
S-5.00



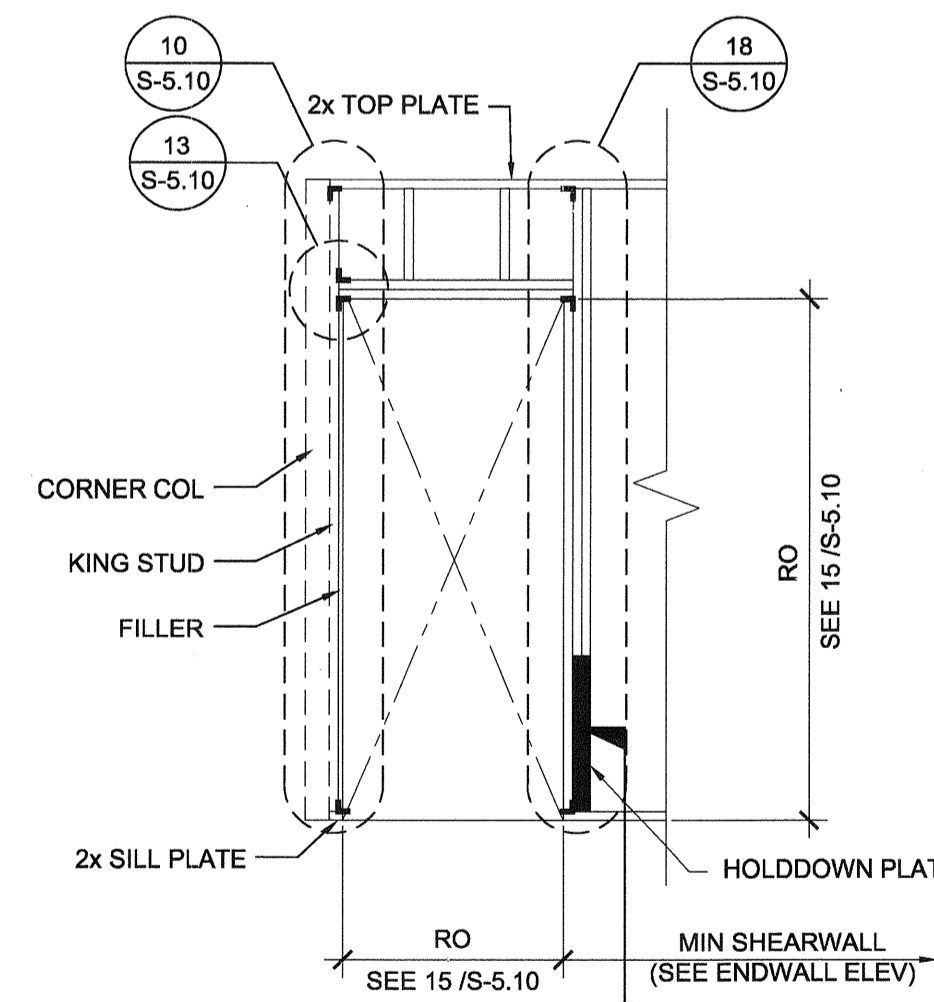
TYPICAL HVAC

FIRE EXTINGUISHER
CABINET BLOCKOUT

TYPICAL DOOR
AT SIDEWALL



TYPICAL WINDOW



(A) TYPICAL DOOR
OPENING AT END SHEARWALL

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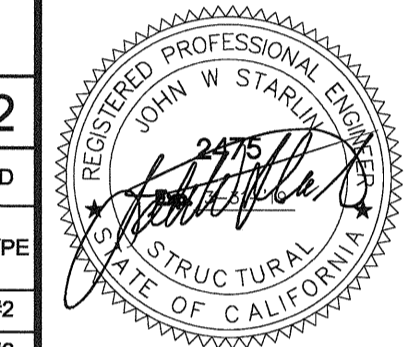


Building for the Next Generation

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

PROJECT NAME:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**WALL FRAMING
DETAILS
WOOD STUDS**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2016 CSC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE: 08/22/2018

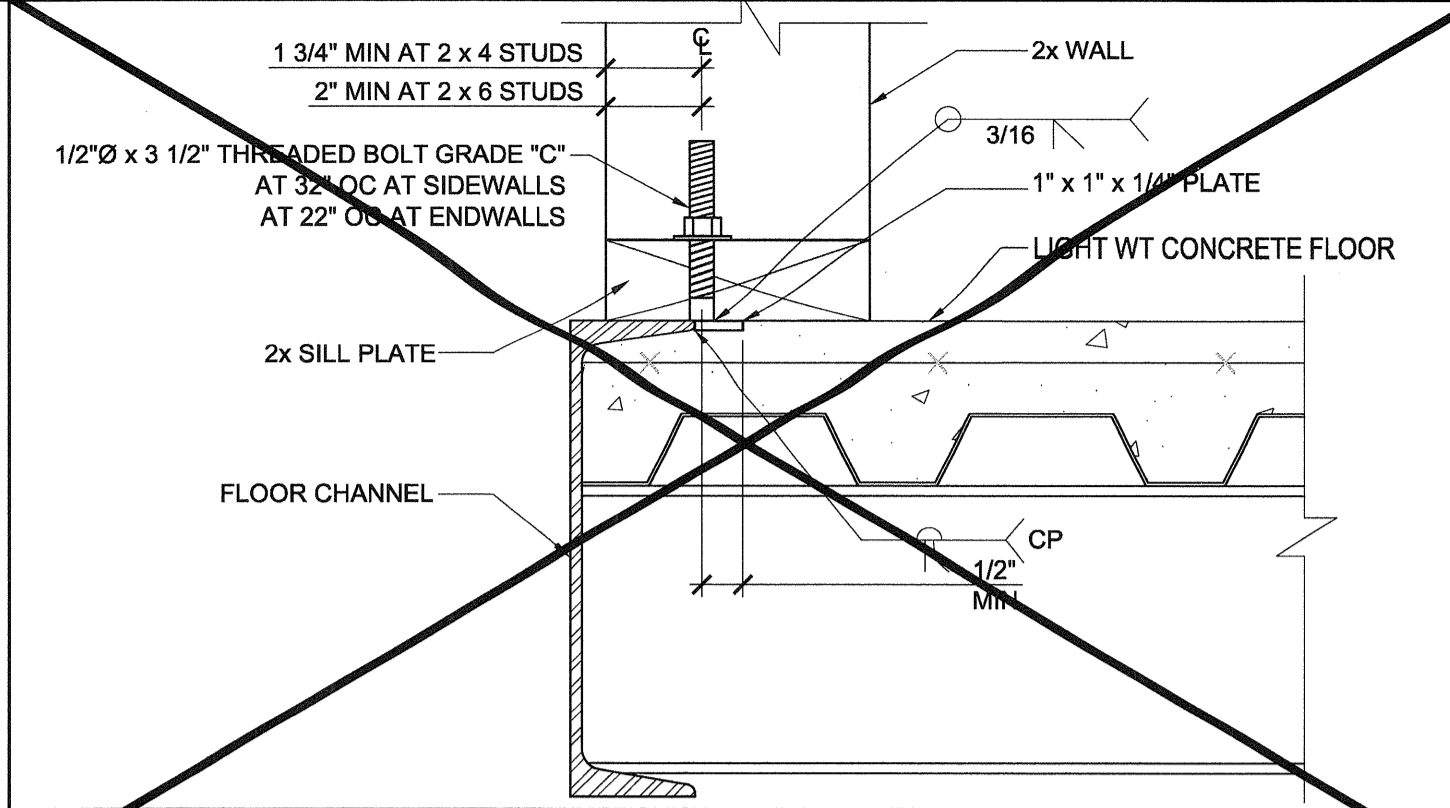
REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

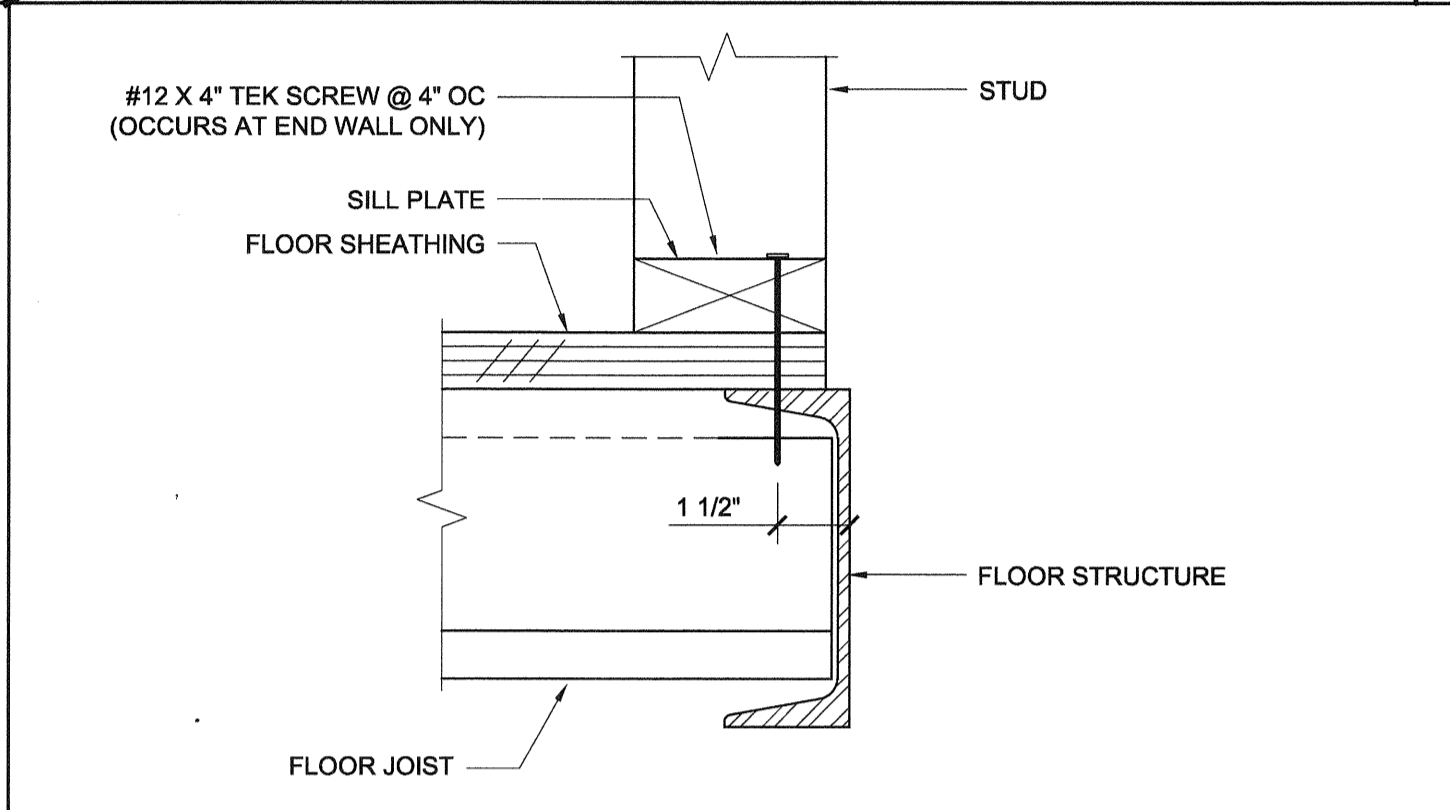
PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017

P.C. SHEET NUMBER

S-5.10



OPTIONAL BOLTED WALL TO FLOOR SCALE: NTS 1



WALL SILL AT WOOD FLOOR (END WALLS) SCALE: 3"=1'-0" 2

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X4	HF	#2	N/A			(2)	2X4	HF	#2	
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A			(2)	2X4	DF	#2	
	PLASTER	(2)	2X4	DF	#2	N/A			(3)	2X4	DF	#2		
	NO PLASTER	(1)	2X4	HF	#2	N/A			(2)	2X4	HF	#2		
	NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A			(2)	2X4	DF	#2		
	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(2)	2X4	HF	#2	
	NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(2)	2X4	DF	#2	
	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2	
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X4	HF	#2	N/A			(2)	2X4	HF	#2	
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A			(2)	2X4	DF	#2	
	NO PLASTER	(1)	2X4	DF	#2	N/A			(2)	2X4	DF	#2		
	NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A			(2)	2X4	DF	#2		
4070	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2	
	NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2	
6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2	
	NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2	
8040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2	
	NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2	

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
9'-6" TO 10'-6"	3070	NO PLASTER	(1)	2X4	HF	#2	N/A			(2)	2X4	HF	#2	
		NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A			(2)	2X4	DF	#2	
	NO PLASTER	(1)	2X4	DF	#2	N/A			(2)	2X4	DF	#2		
	NO PLASTER (OPT)	(1)	2X4	DF	#2	N/A			(2)	2X4	DF	#2		
4070	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2	
	NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2	
6040	NO PLASTER	(2)	2X4	HF	#2	(2)	2X4	HF	#2	(3)	2X4	HF	#2	
	NO PLASTER (OPT)	(2)	2X4	DF	#2	(2)	2X4	DF	#2	(3)	2X4	DF	#2	
8040	NO PLASTER	(3)	2X4	HF	#2	(3)	2X4	HF	#2	(4)	2X4	HF	#2	
	NO PLASTER (OPT)	(3)	2X4	DF	#2	(3)	2X4	DF	#2	(3)	2X4	DF	#2	

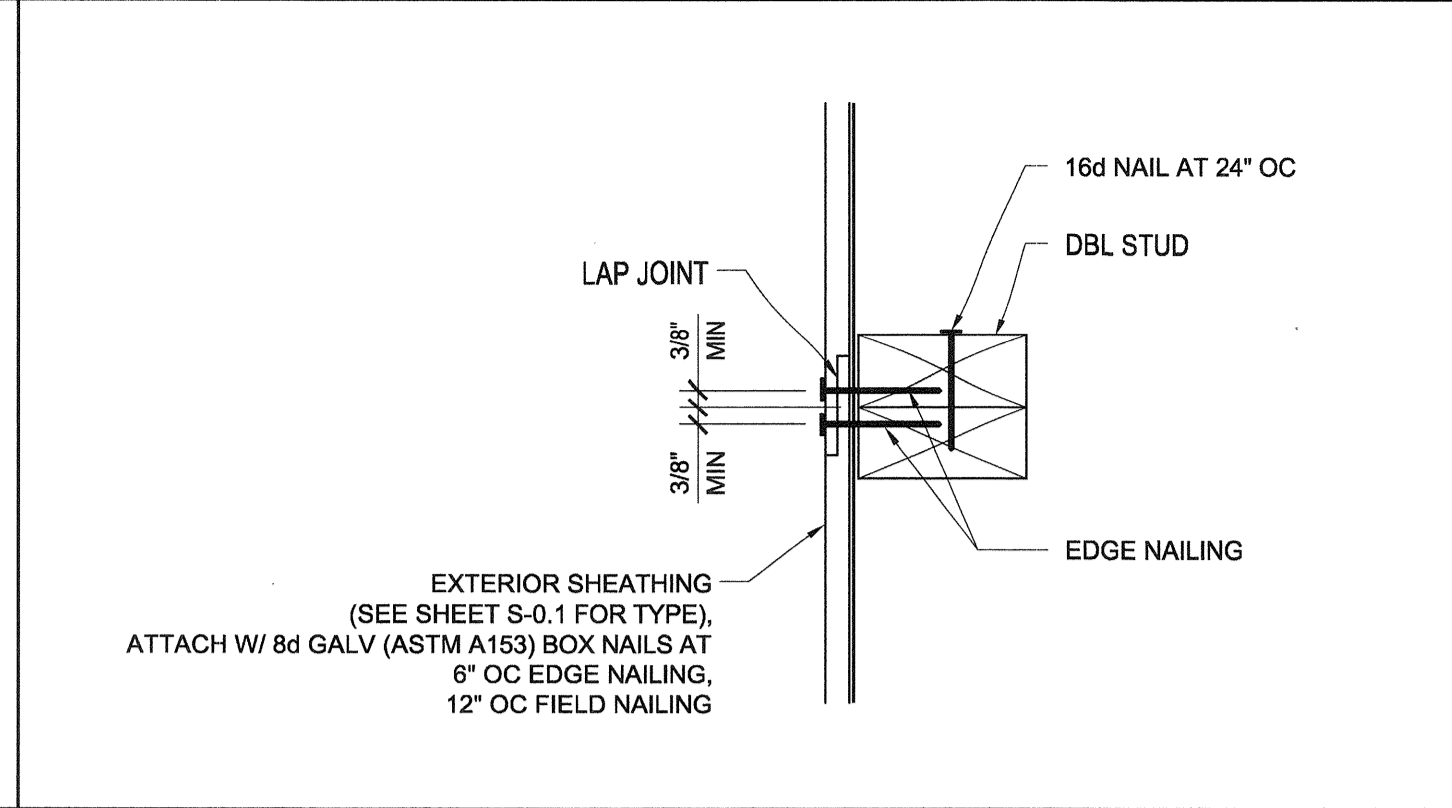
NOTE:
OPENINGS LARGER THAN 3'x7' ARE NOT PERMITTED IN 2x4 WALLS WITH PLASTER FINISH.

2x4 OPENING STUDS SCHEDULE 4

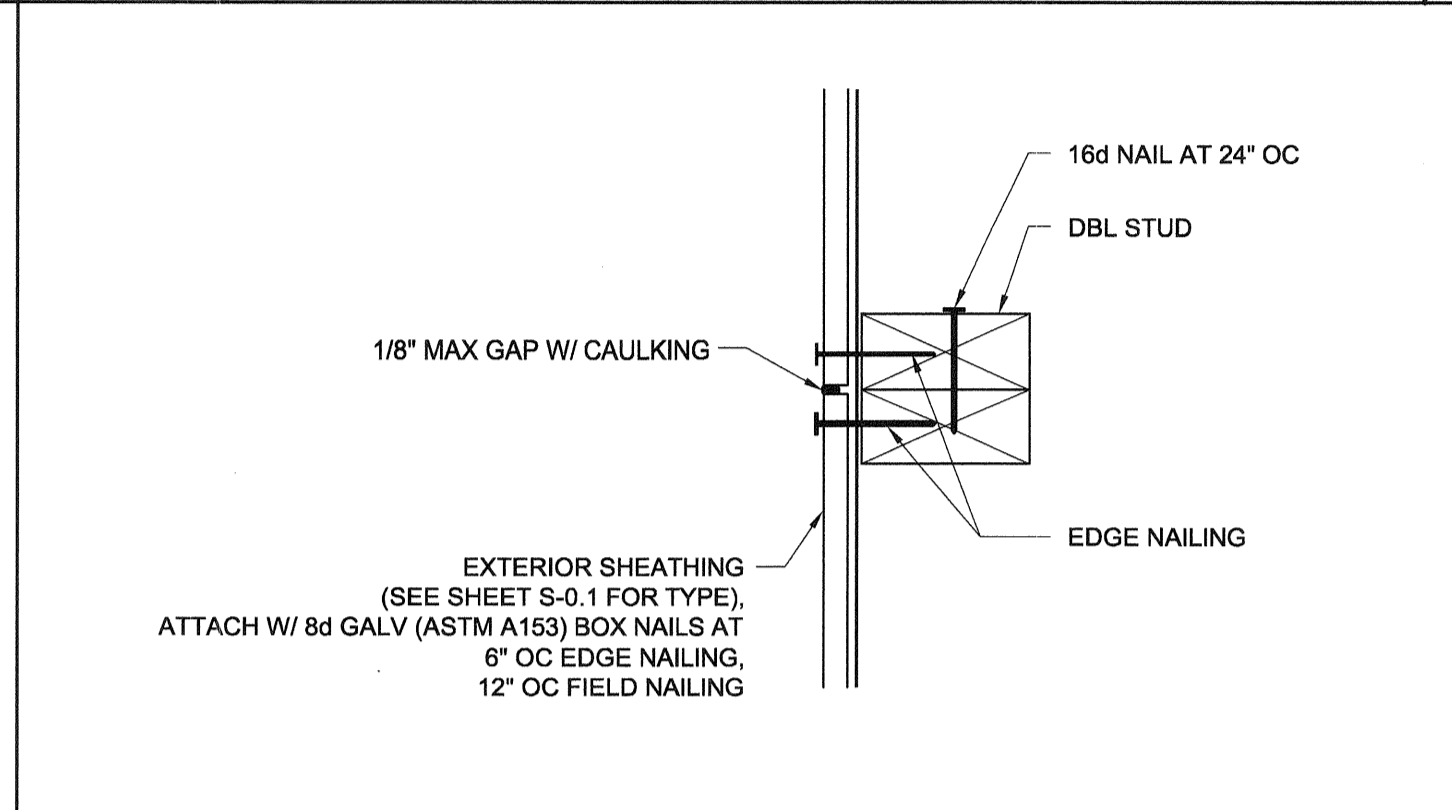
COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	OC	NUMBER	SIZE	LUMBER	TYPE	OC
LESS THAN 9'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC
	PLASTER	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	10" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X4	HF	#2	16" OC	(1)	2X4	HF	#2	12" OC
	NO PLASTER (OPT)	(1)	2X4	DF	#2	16" OC	(1)	2X4	DF	#2	16" OC

NOTE:
2X4 WALL FRAMING NOT PERMITTED FOR PLASTER WALLS OVER 9'-6" TALL

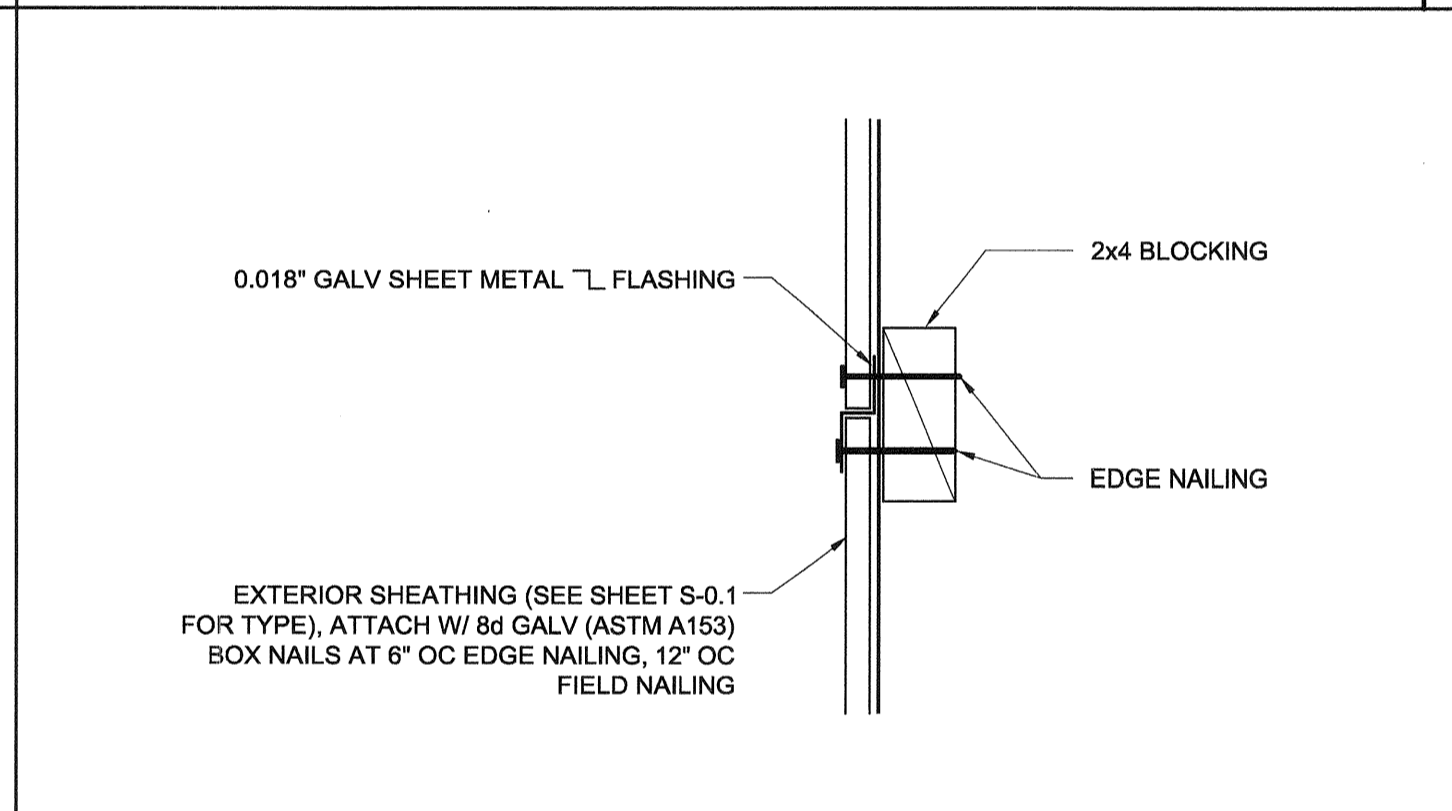
2x4 WALL FRAMING SCHEDULE 5



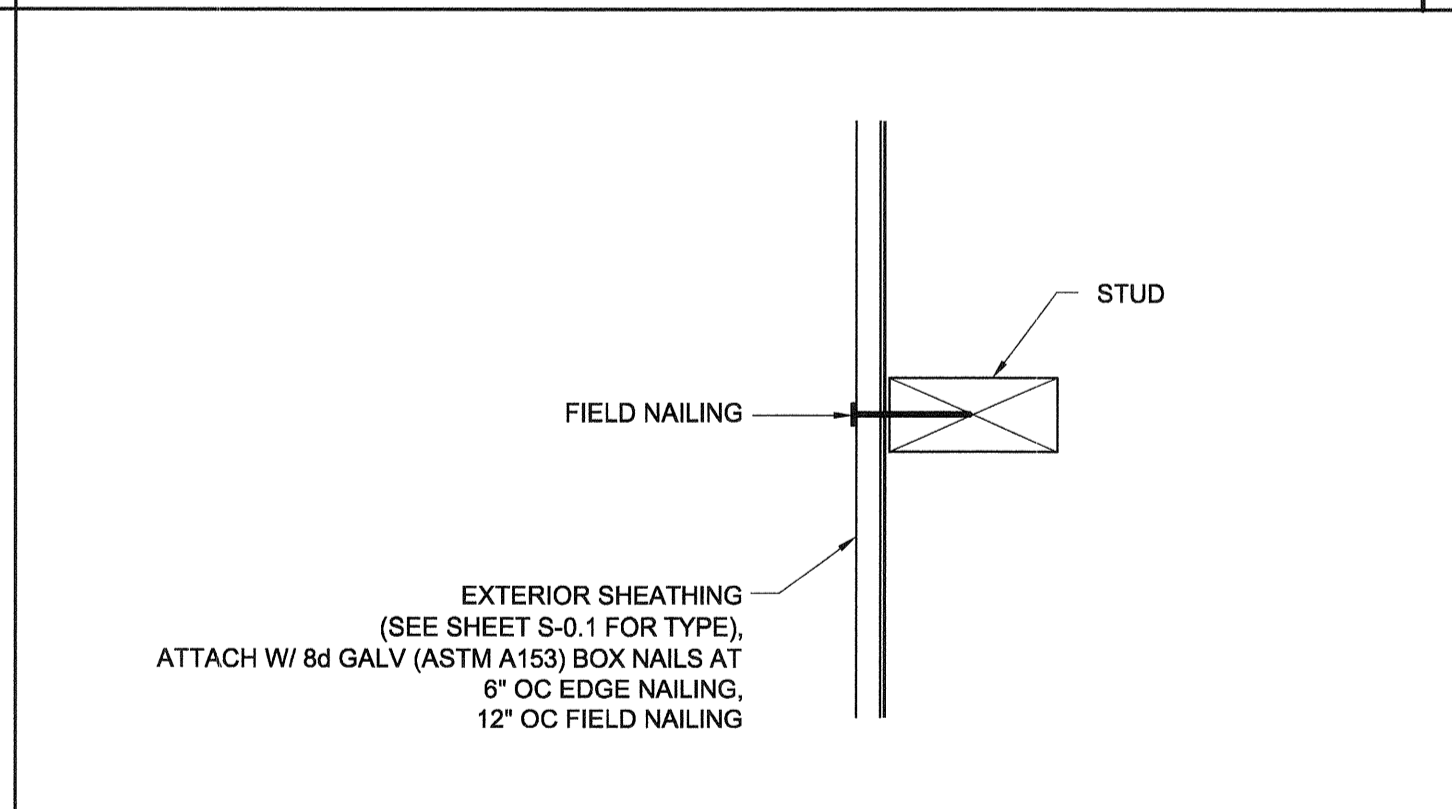
VERTICAL SHEATHING LAP JOINT SCALE: 3"=1'-0" 6



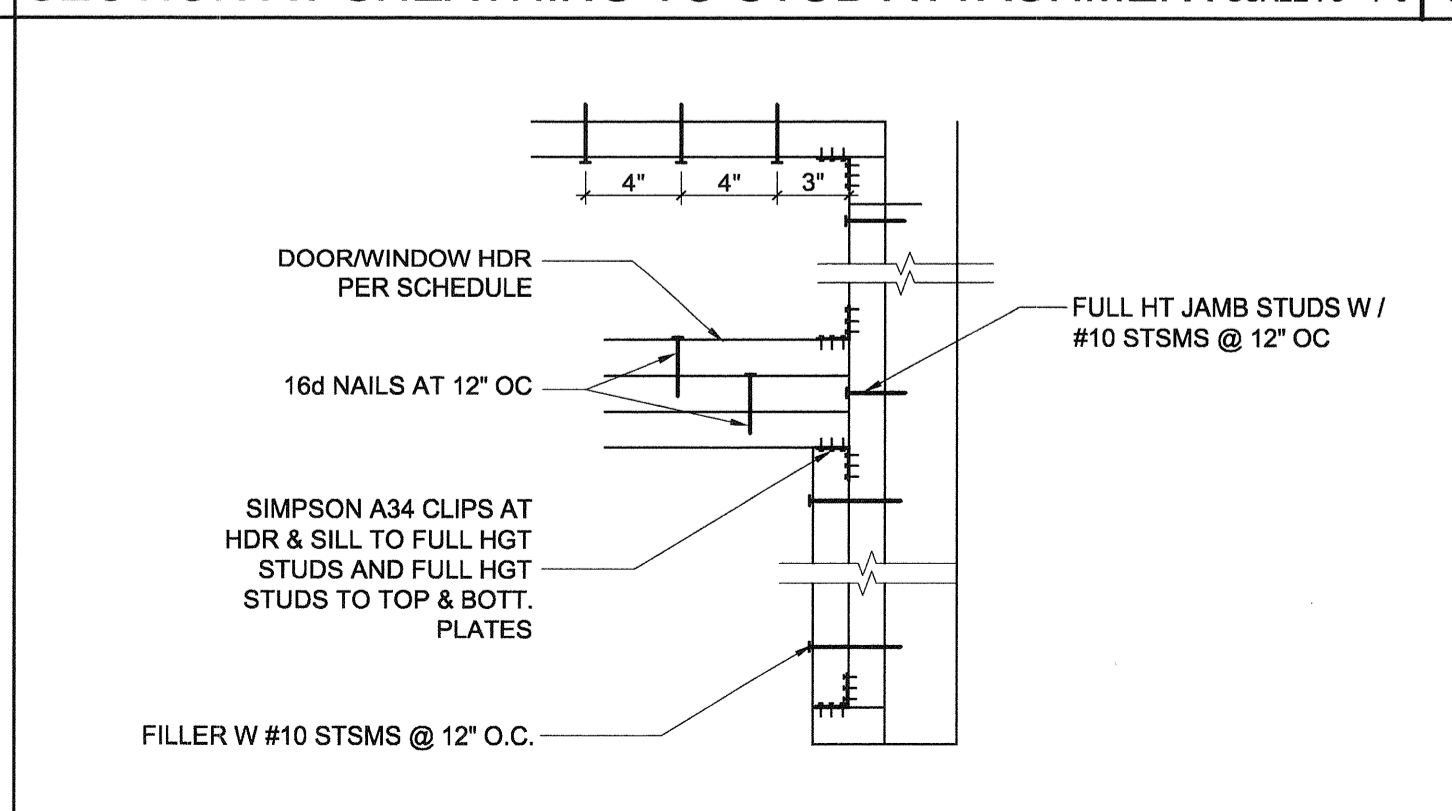
VERTICAL SHEATHING BUTT JOINT SCALE: 3"=1'-0" 7



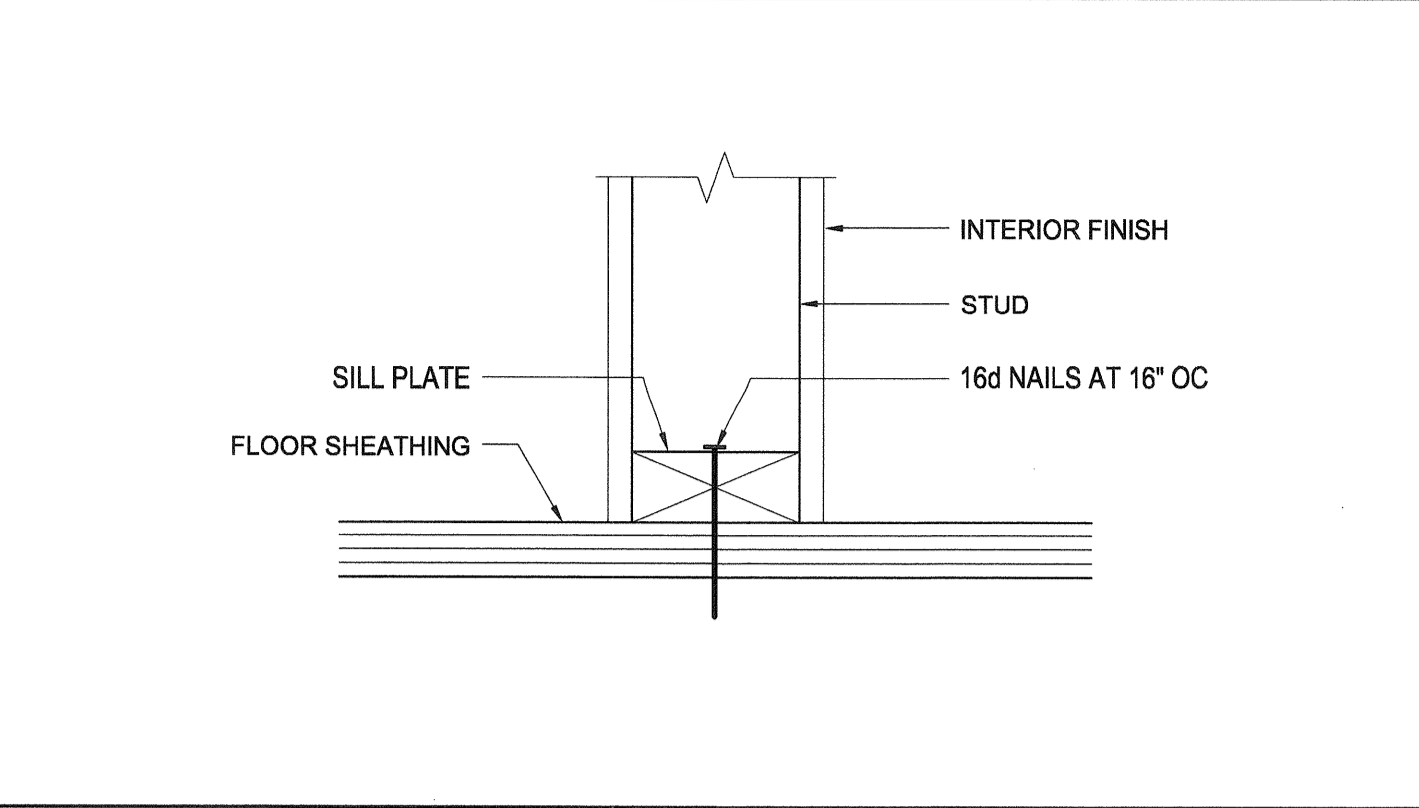
HORIZONTAL SHEATHING JOINT SCALE: 3"=1'-0" 8



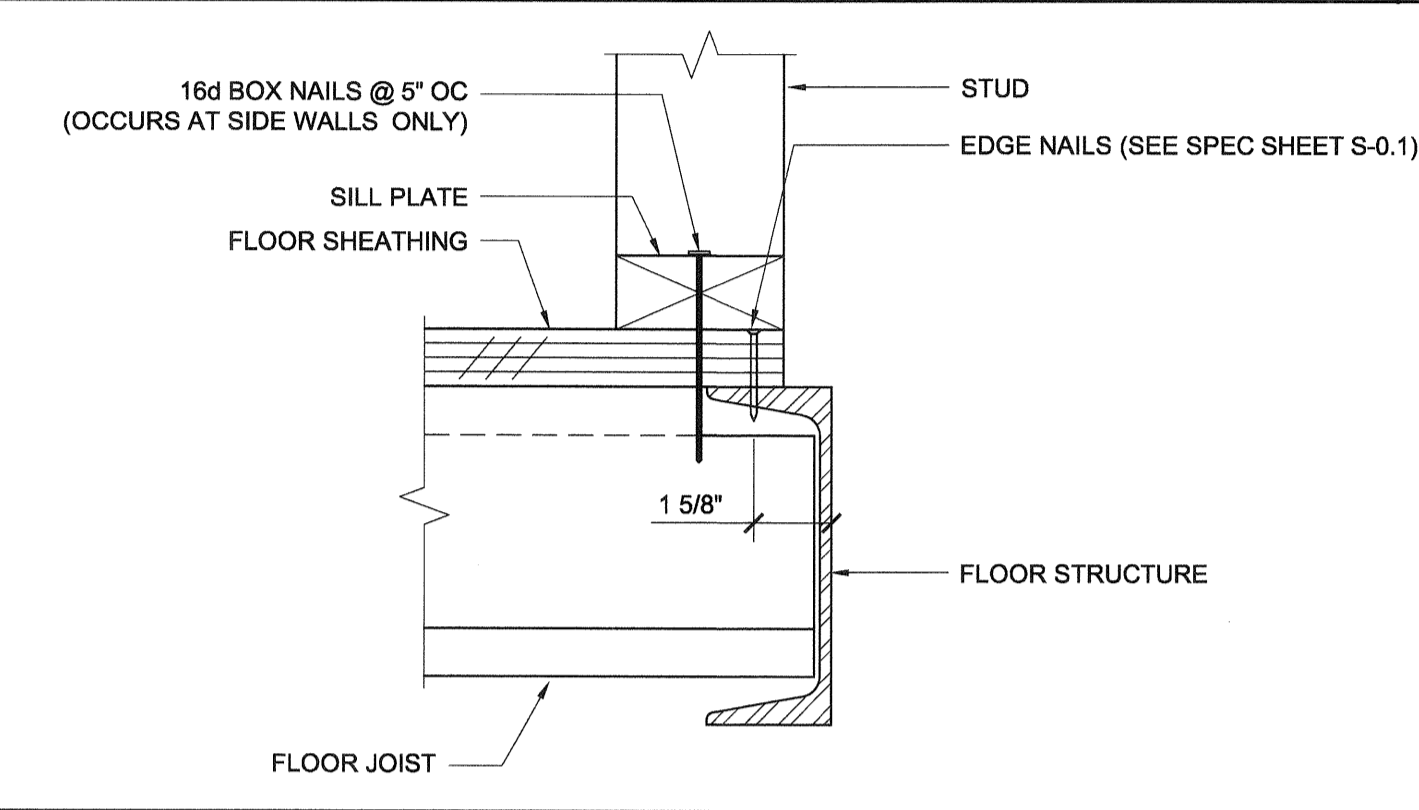
SECTION AT SHEATHING TO STUD ATTACHMENT SCALE: 3"=1'-0" 9



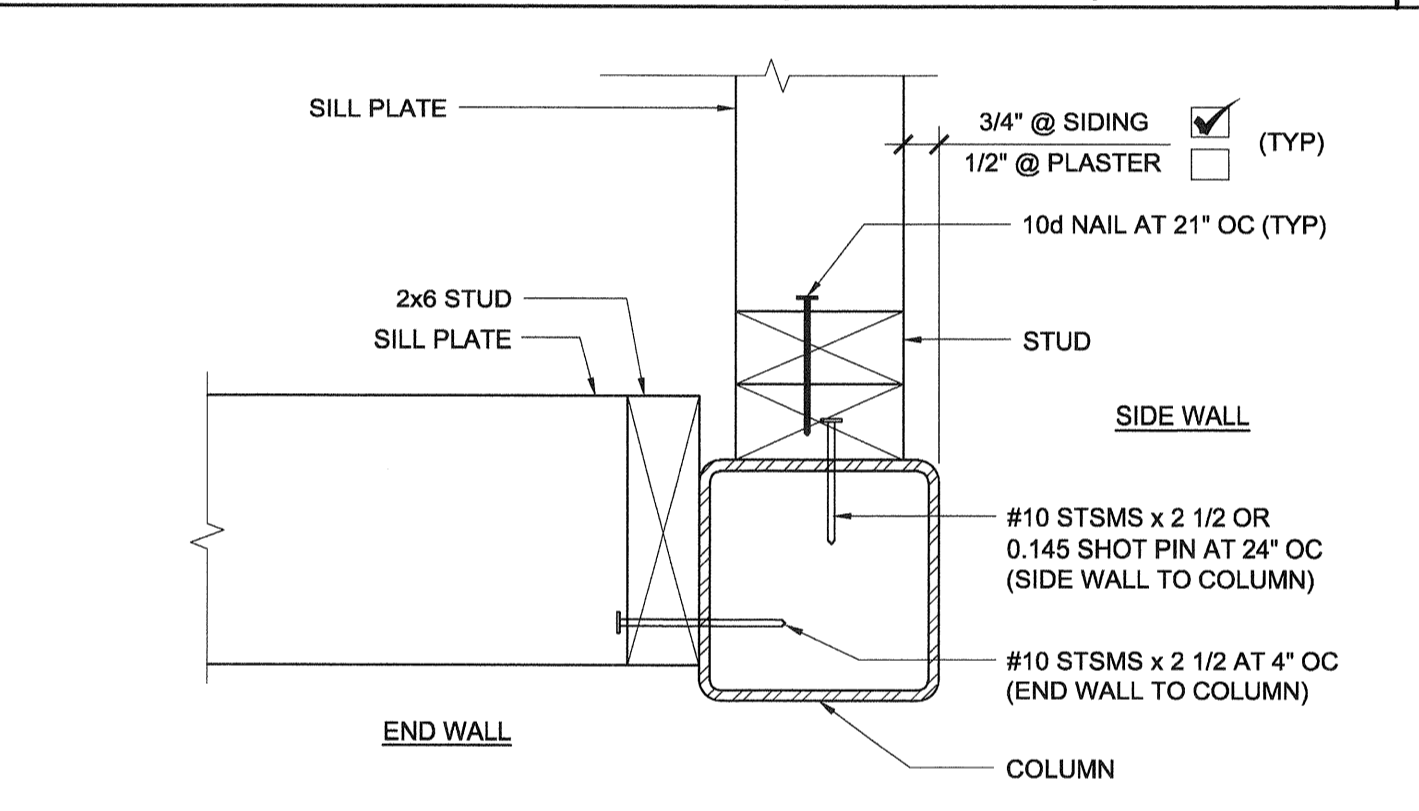
DOOR/WINDOW HEADER @ COLUMN SCALE: 1 1/2"=1'-0" 10



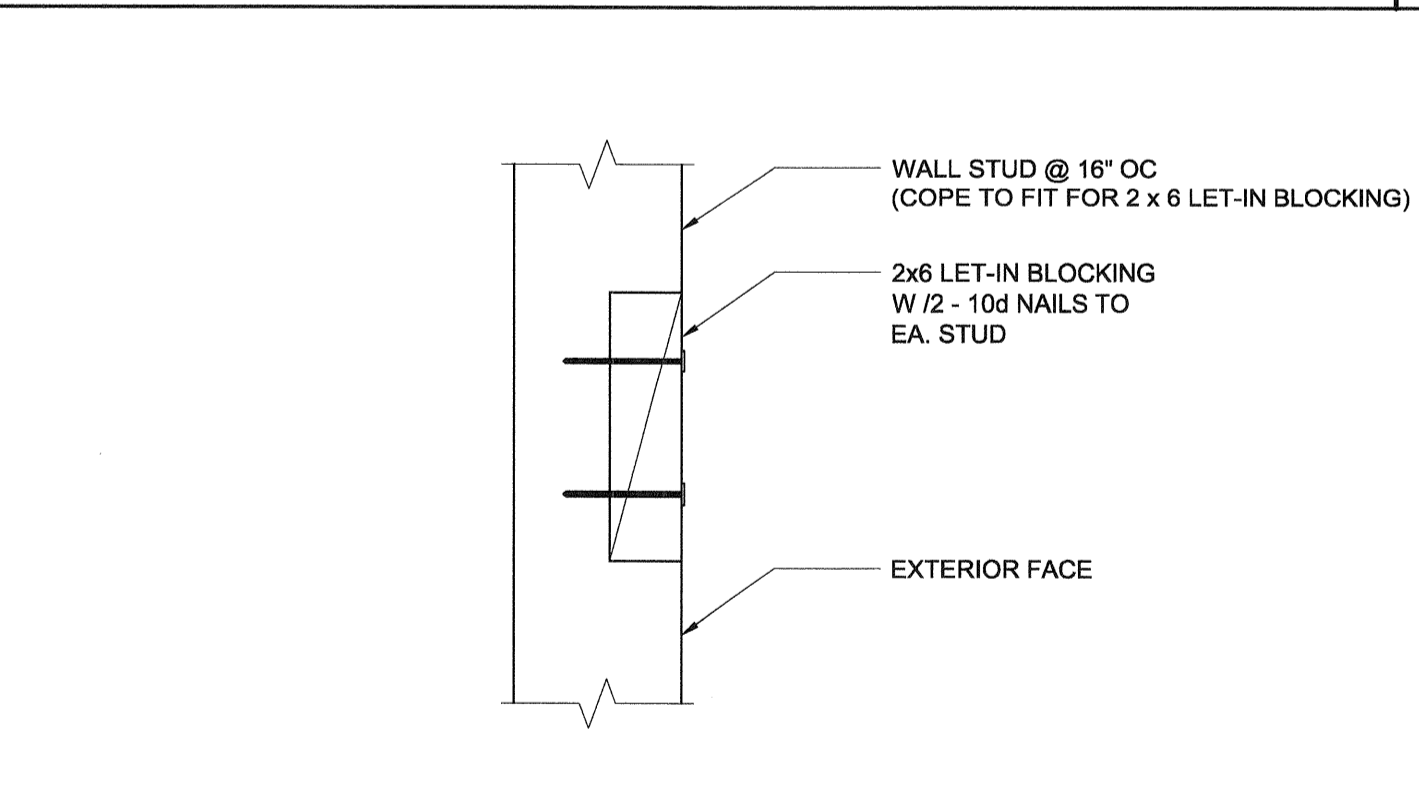
PARTITION CONNECTION AT WOOD FLOOR SCALE: 3"=1'-0" 11



WALL SILL AT WOOD FLOOR (SIDE WALLS) SCALE: 3"=1'-0" 12



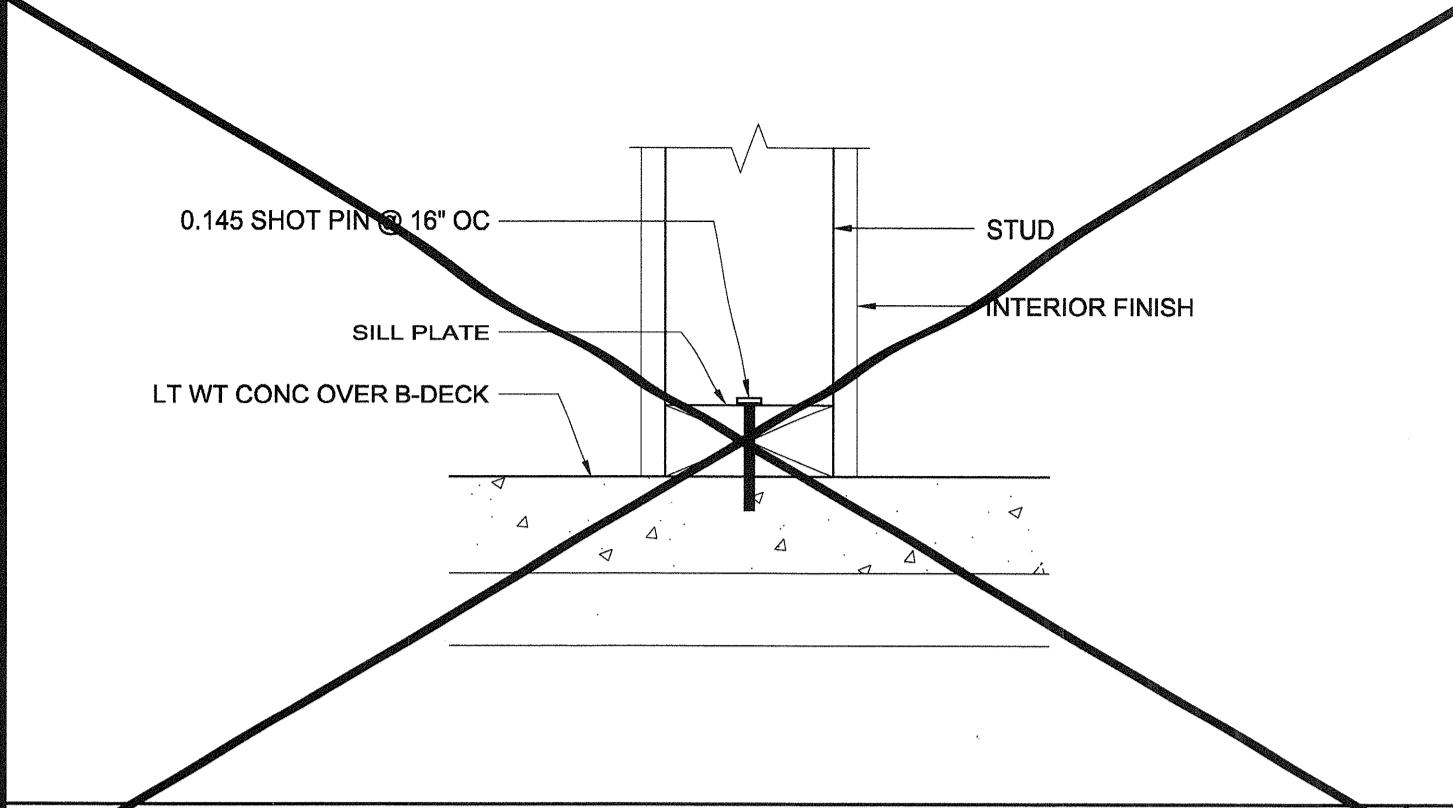
WALL AT COLUMN SCALE: 3"=1'-0" 13



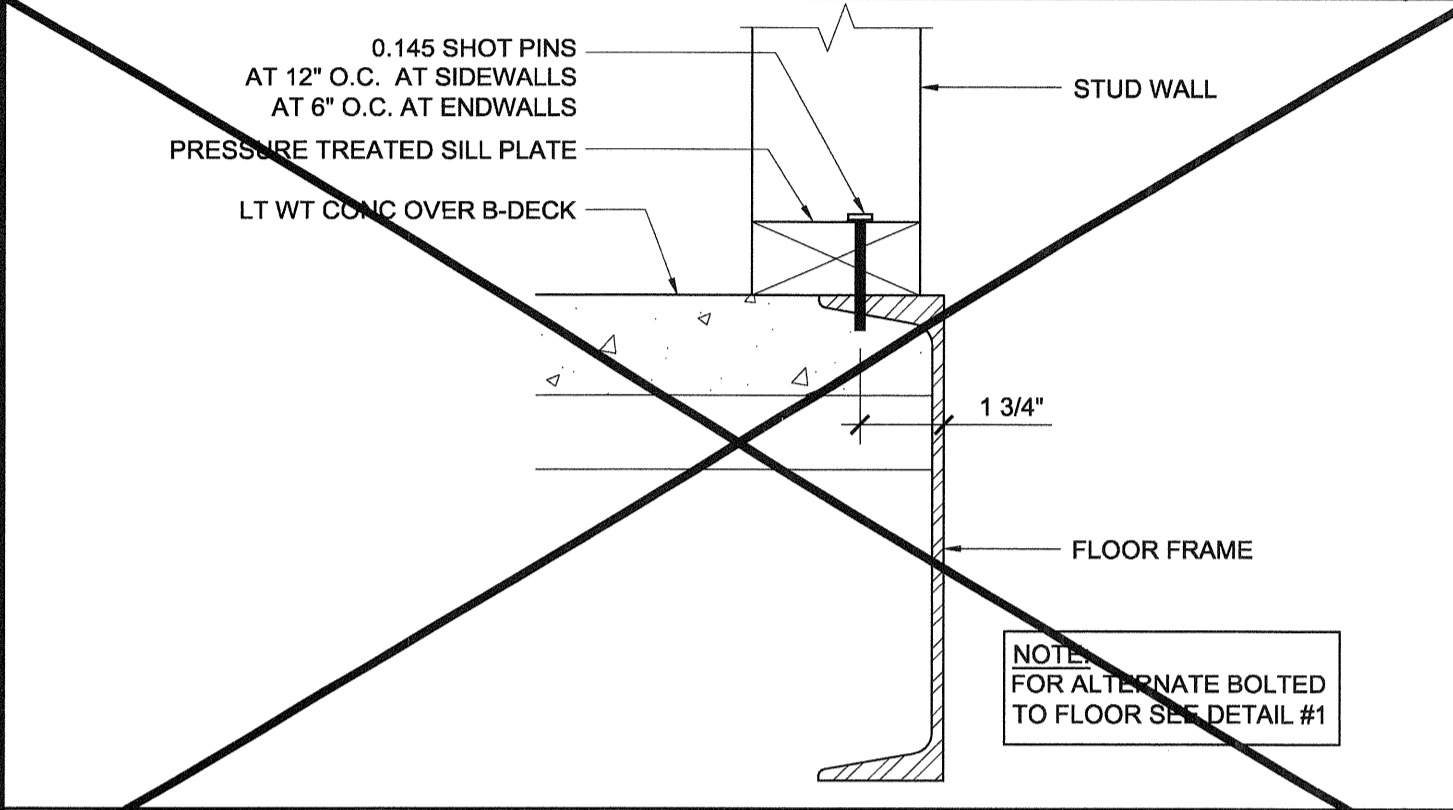
LET-IN BLOCK ATTACHMENT SCALE: 3"=1'-0" 14

DOOR	WINDOW	STANDARD	WELDED FRAME
2070		26" 85"	28 1/4" 86 1/4"
3070		38" 85"	40 1/4" 86 1/4"
4070		50" 85"	52 1/4" 86 1/4"
6070		74" 85"	76 1/4" 86 1/4"
	4040	47 3/4" 47 5/8"	52 1/4" 52 1/4"
	6040	71 3/4" 47 5/8"	76 1/4" 52 1/4"
	8040	95 3/4" 47 5/8"	100 1/4" 52 1/4"
	6020	71 3/4" 23 5/8"	76 1/4" 28 1/4"
	8020	95 3/4" 23 5/8"	100 1/4" 28 1/4"

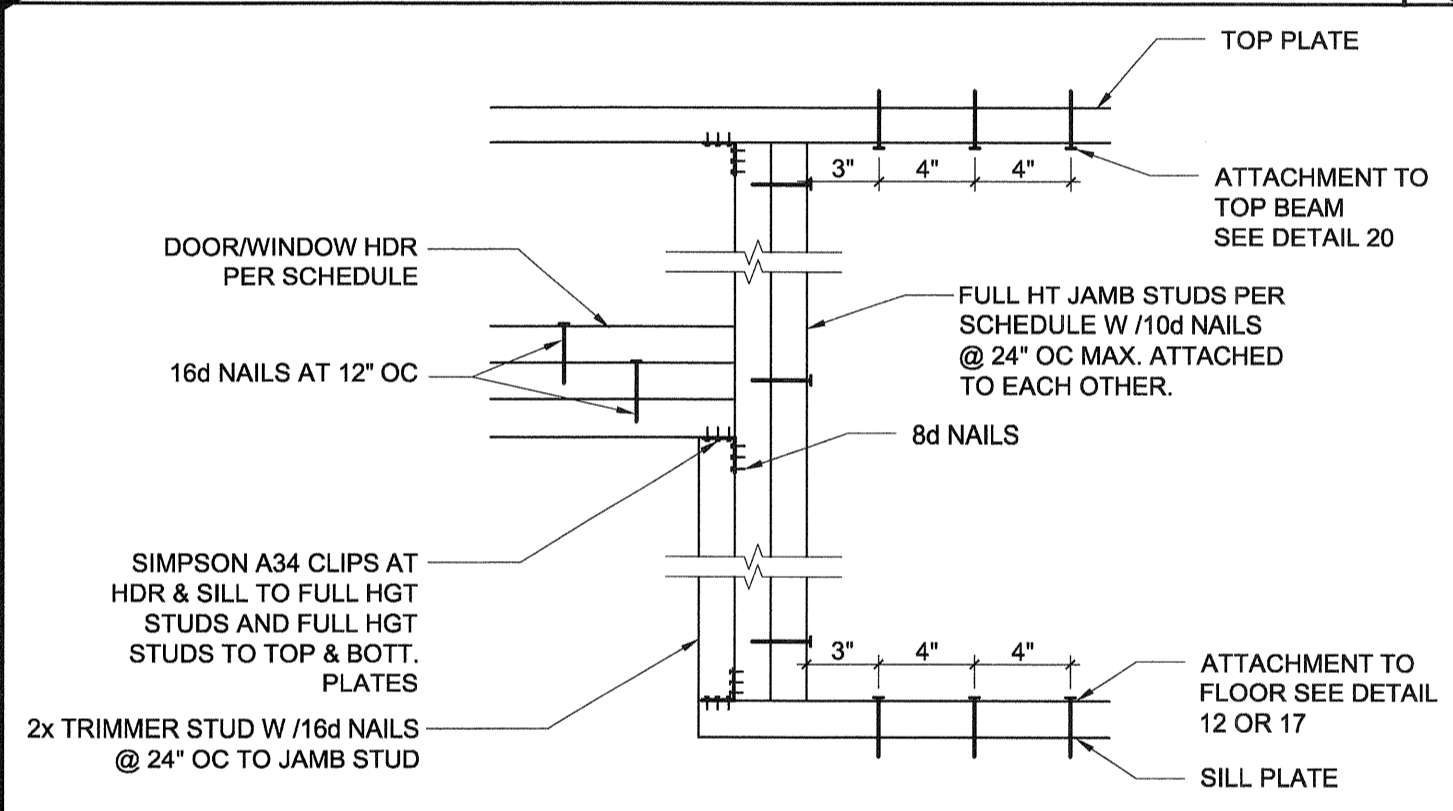
ROUGH OPENING SCHEDULE 15



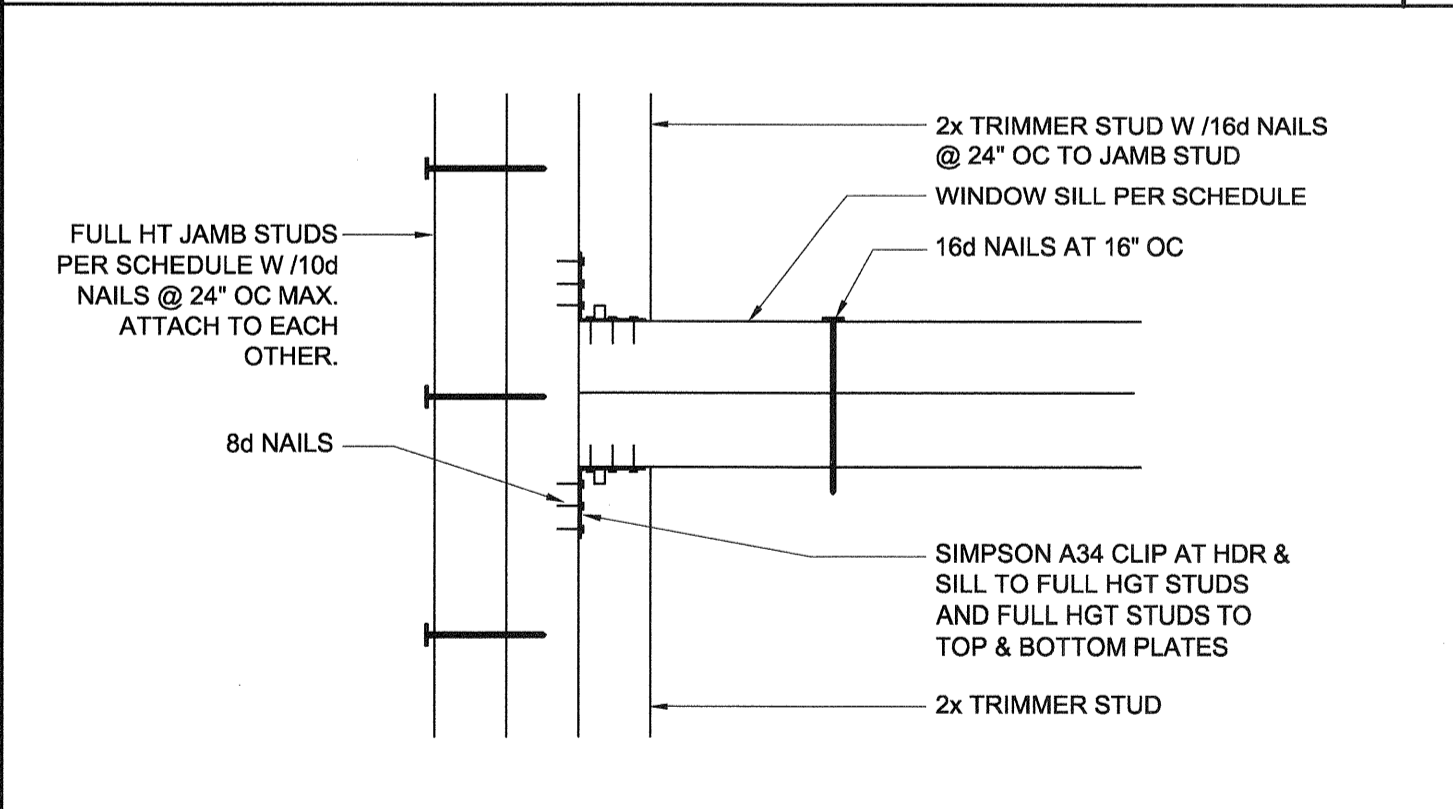
PARTITION CONNECTION AT CONC FLOOR SCALE: 3"=1'-0" 16



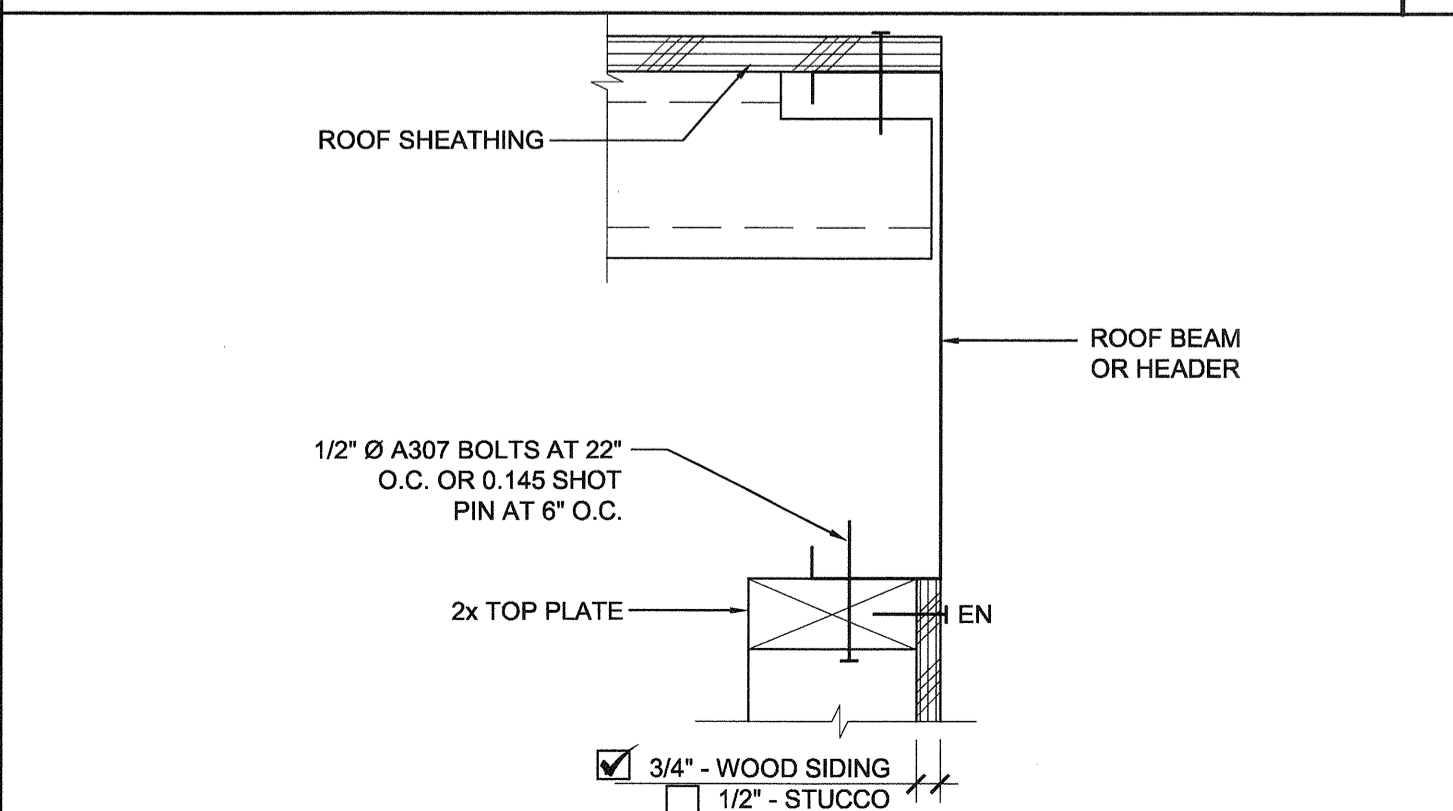
WALL SILL AT CONCRETE FLOOR SCALE: 3"=1'-0" 17



DOOR/WINDOW HEADER AND JAMB SCALE: 1 1/2"=1'-0" 18



WINDOW SILL AND JAMB SCALE: 3"=1'-0" 19



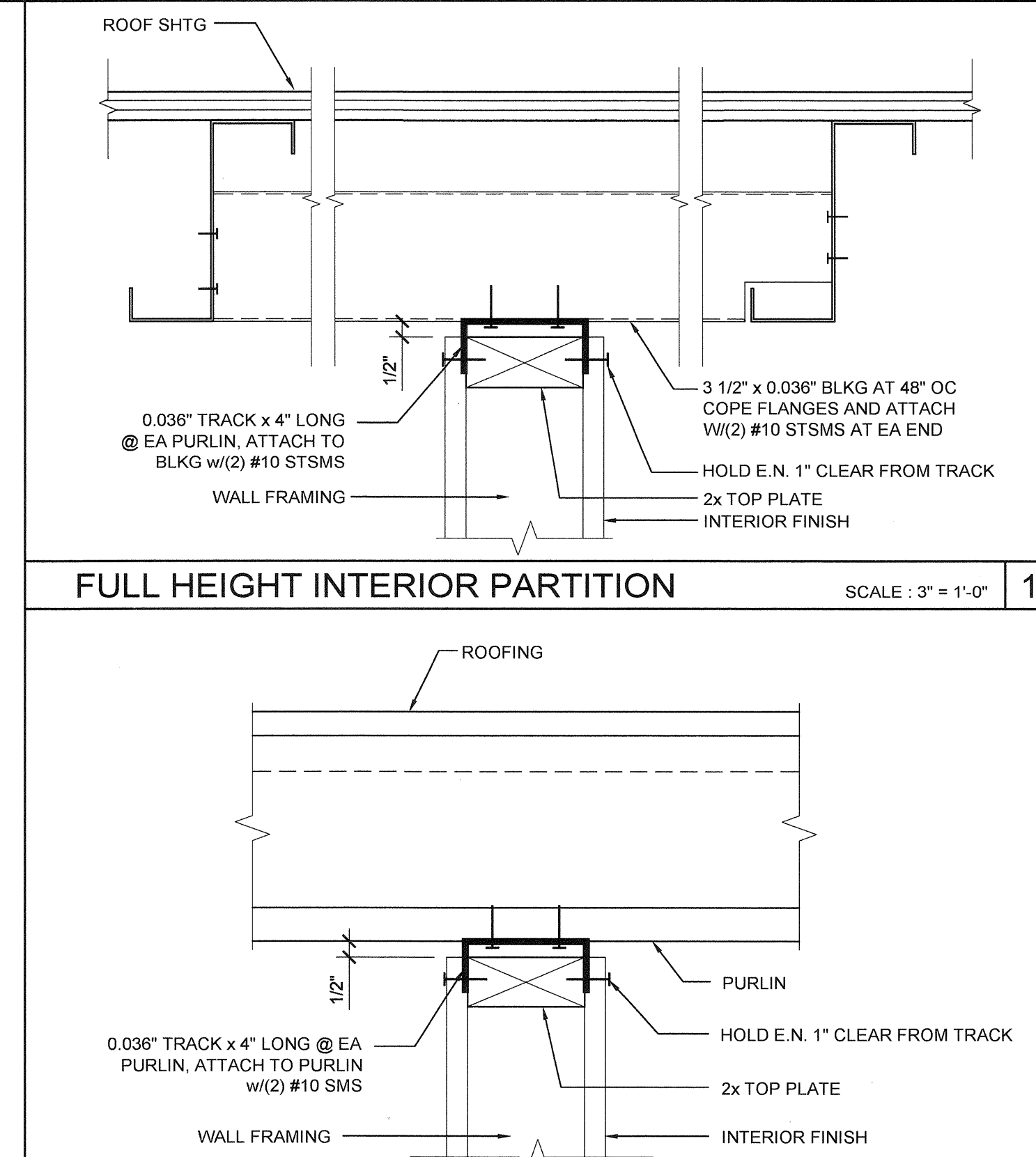
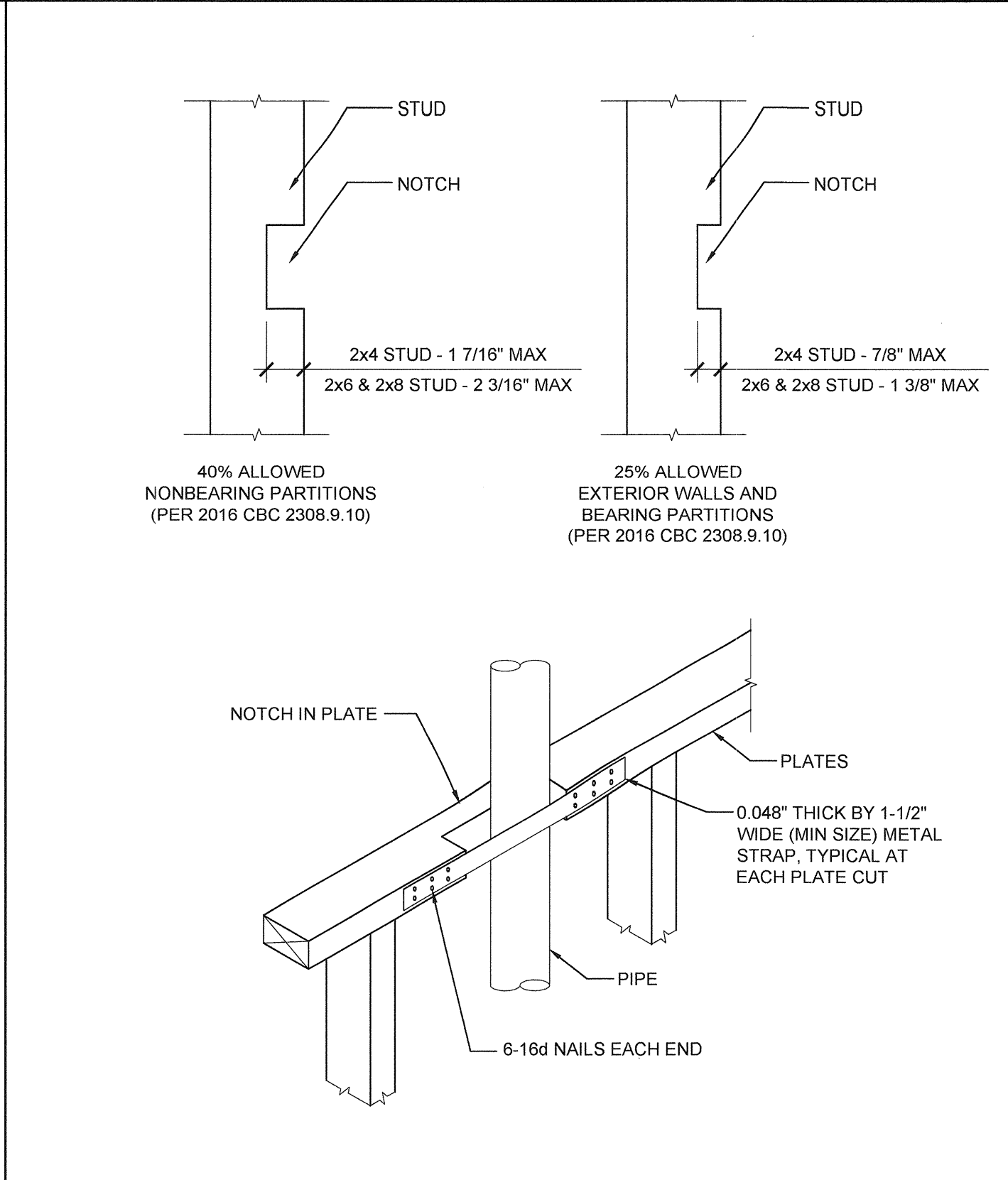
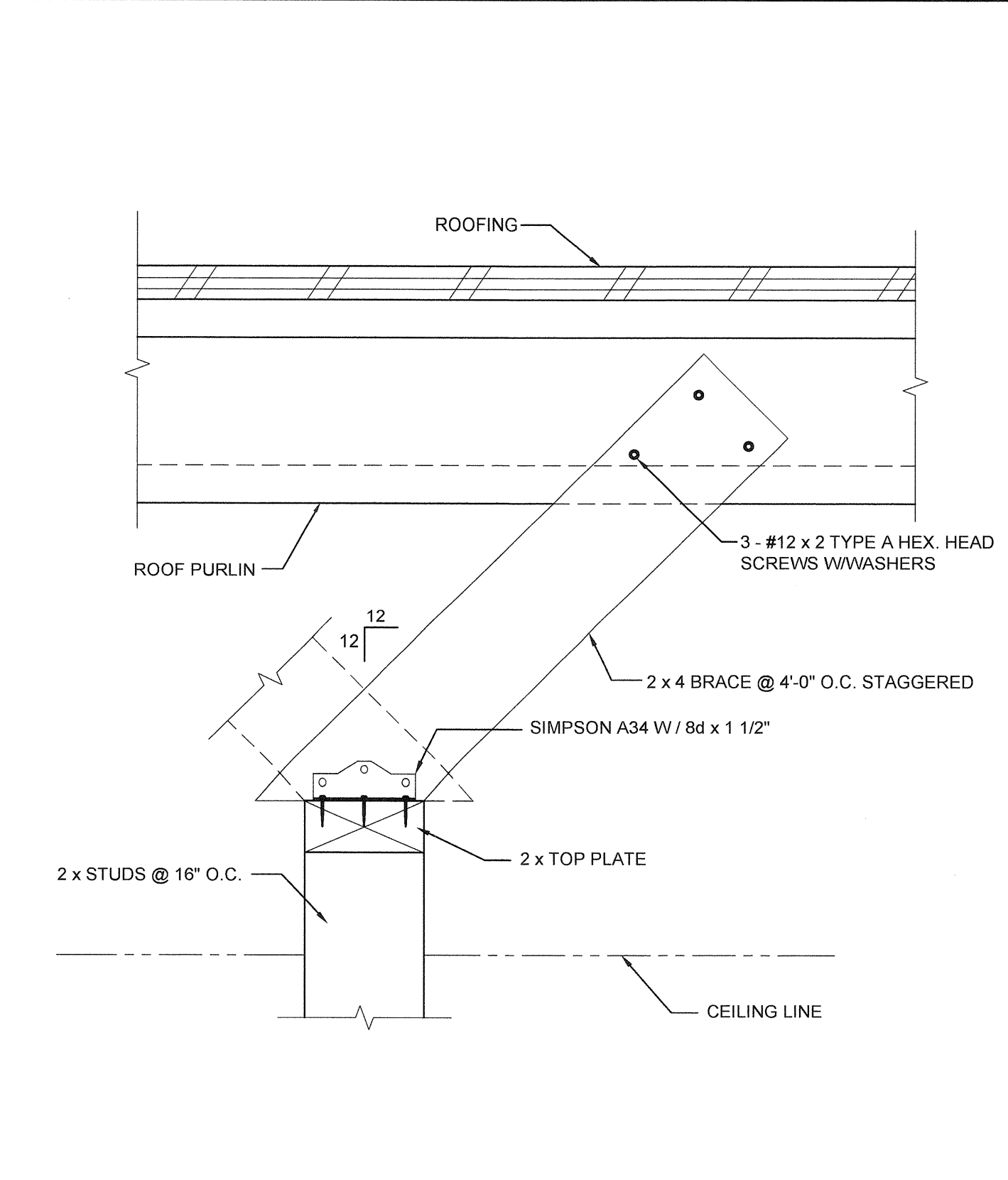
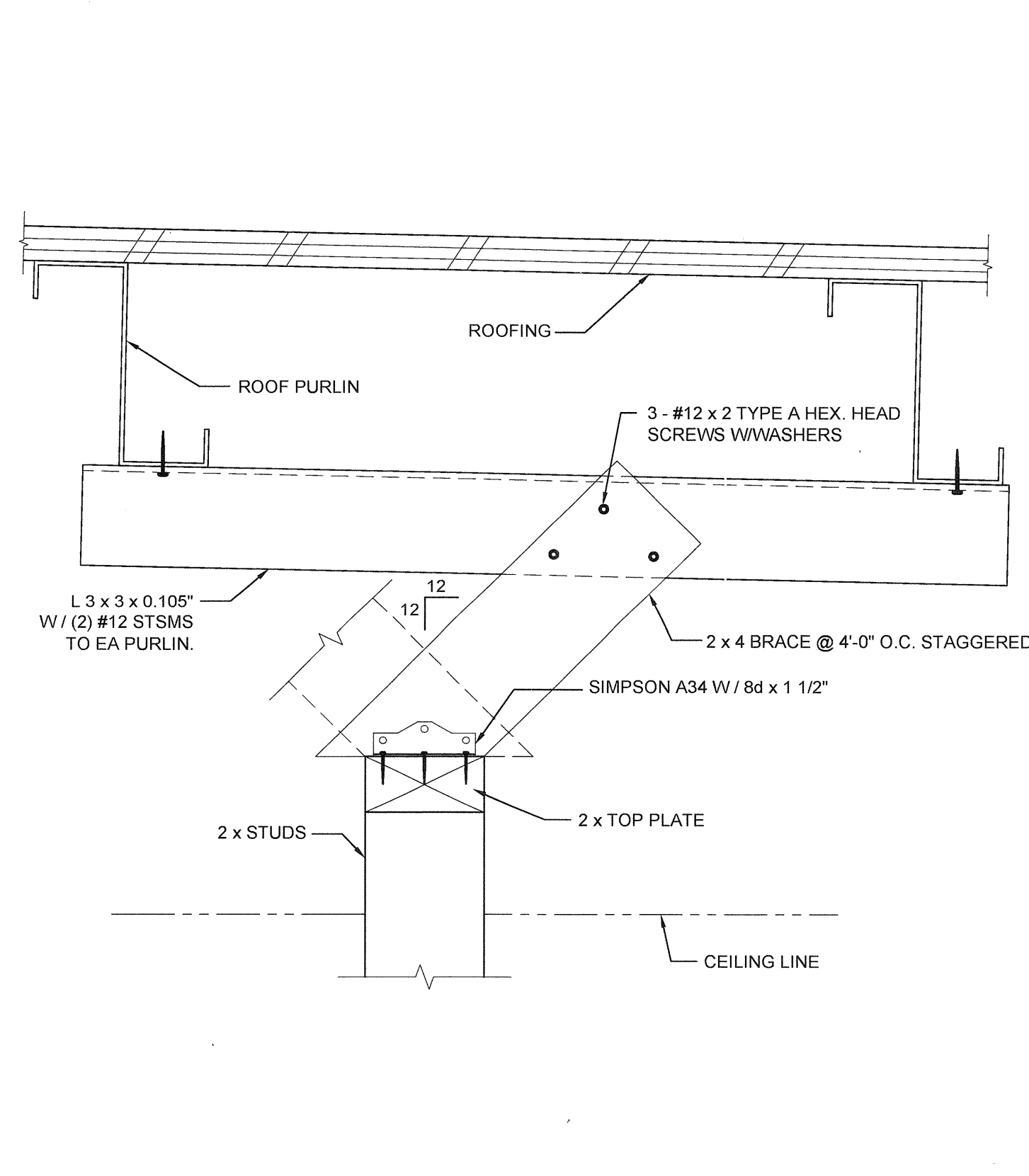
TOP PLATE AT ROOF BEAM SCALE: 3"=1'-0" 20

ROUGH OPENING SCHEDULE 15

DOOR/WINDOW HEADER @ COLUMN SCALE: 1 1/2"=1'-0" 10

2x4 WALL FRAMING SCHEDULE 5

2x4 WALL FRAMING SCHEDULE 5

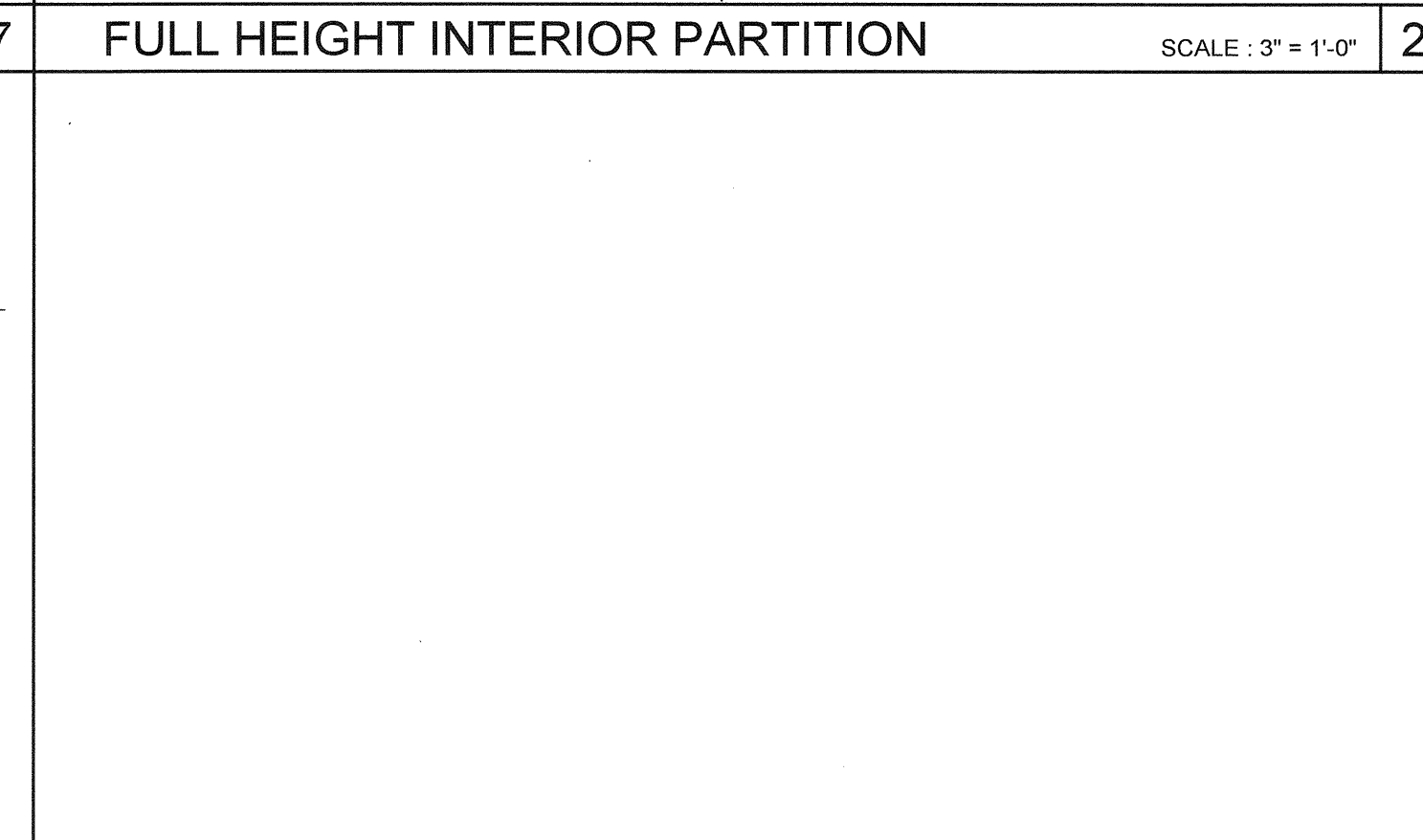
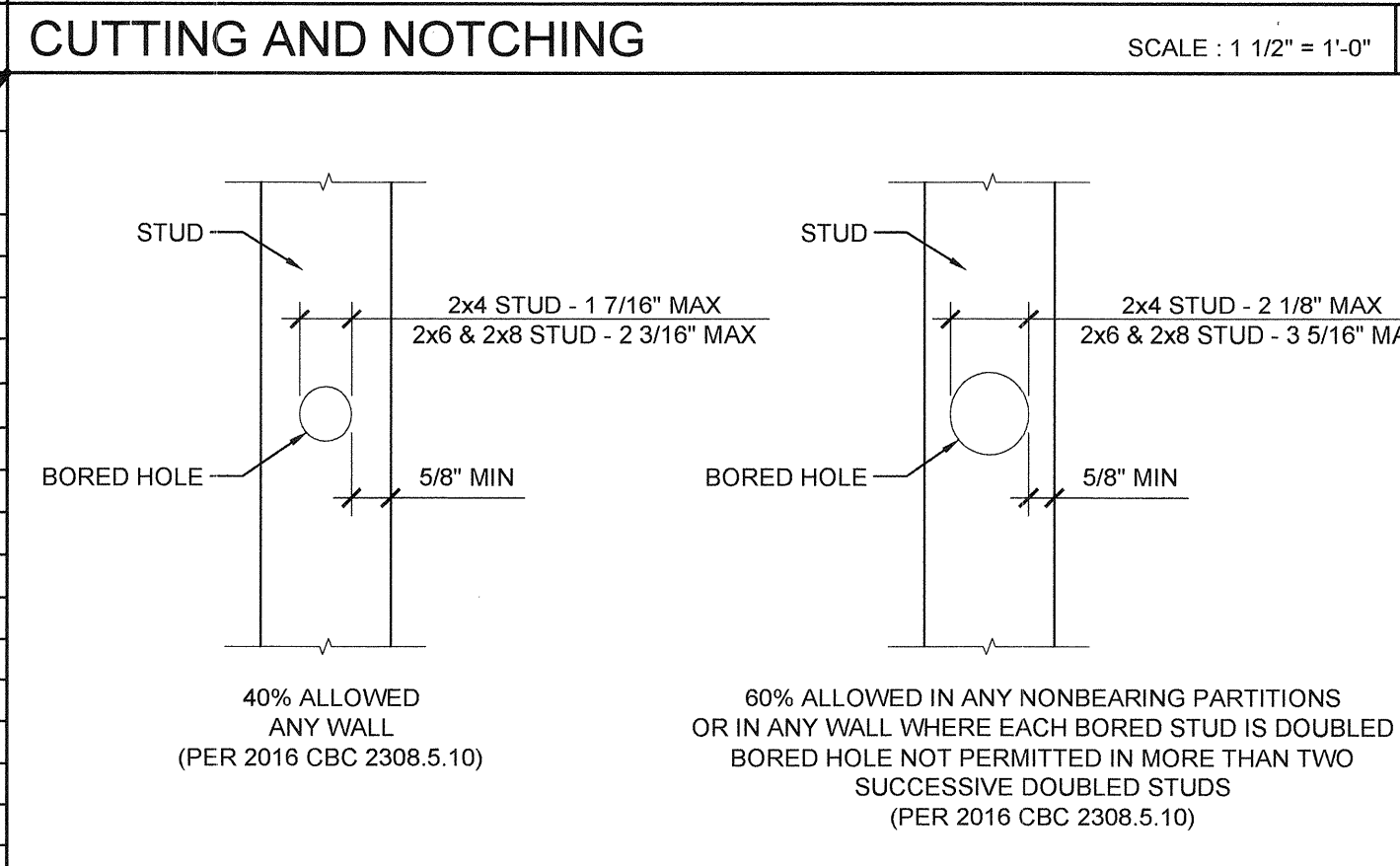


INTERIOR PARTITION SCALE: 3" = 1'-0" 14

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X6	HF	#2	N/A				(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	N/A				(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	N/A				(2)	2X6	HF	#2
	4070	NO PLASTER	(1)	2X6	HF	#2	N/A				(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	N/A				(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	N/A				(2)	2X6	HF	#2
	6040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(1)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(1)	2X6	DF	#2
		W/ PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
	8040	NO PLASTER	(1)	2X6	HF	#2	(1)	2X6	HF	#2	(2)	2X6	HF	#2
		NO PLASTER (OPT)	(1)	2X6	DF	#2	(1)	2X6	DF	#2	(2)	2X6	DF	#2
		W/ PLASTER	(2)	2X6	HF	#2	(2)	2X6	HF	#2	(2)	2X6	HF	#2

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

COLUMN HEIGHT	OPENING SIZE	EXT FINISH	HEADER				SILL				FULL HEIGHT KING STUD			
			NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE
LESS THAN 9'-6"	3070	NO PLASTER	(1)	2X8	HF	#2	N/A				(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	N/A				(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	N/A				(1)	2X8	HF	#2
	4070	NO PLASTER	(1)	2X8	HF	#2	N/A				(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	N/A				(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	N/A				(1)	2X8	HF	#2
	6040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(1)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(1)	2X8	DF	#2
		W/ PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(2)	2X8	HF	#2
	8040	NO PLASTER	(1)	2X8	HF	#2	(1)	2X8	HF	#2	(2)	2X8	HF	#2
		NO PLASTER (OPT)	(1)	2X8	DF	#2	(1)	2X8	DF	#2	(2)	2X8	DF	#2
		W/ PLASTER	(2)	2X8	HF	#2	(2)	2X8	HF	#2	(2)	2X8	HF	#2

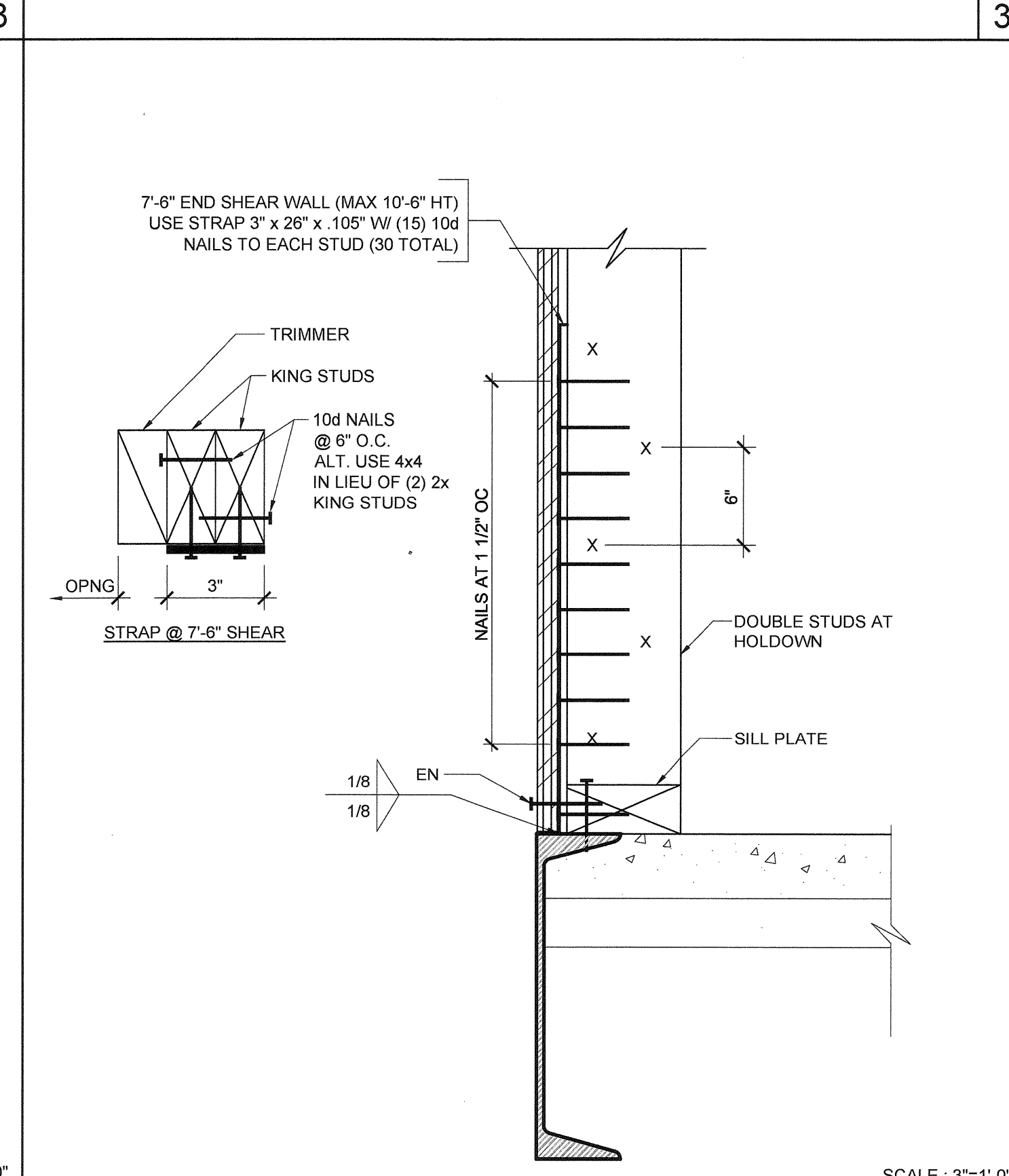
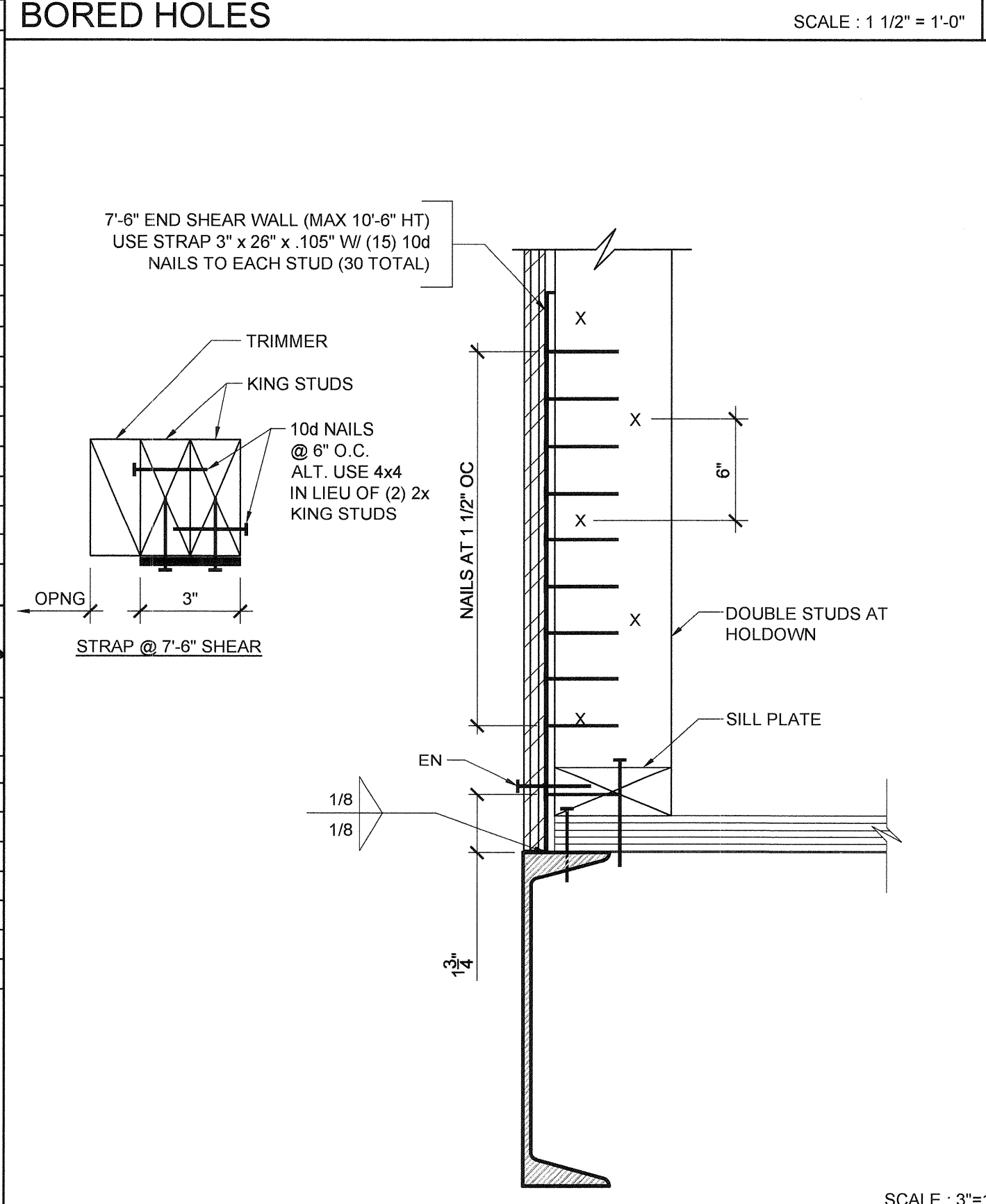


2x6 OPENING STUDS SCHEDULE 19

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE		
LESS THAN 9'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

2x8 OPENING STUDS SCHEDULE 14

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE		
LESS THAN 9'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC



2x6 WALL FRAMING SCHEDULE 20

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE		
LESS THAN 9'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC
	W/ PLASTER	(1)	2X6	HF	#2	16" OC	(1)	2X6	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X6	DF	#2	16" OC	(1)	2X6	DF	#2	16" OC

2x8 WALL FRAMING SCHEDULE 15

COLUMN HEIGHT	EXT FINISH	WOOD WALL FRAMING				4' CORNER OF WOOD WALL FRAMING (ZONE 5)					
		NUMBER	SIZE	LUMBER	TYPE	NUMBER	SIZE	LUMBER	TYPE		
LESS THAN 9'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
9'-6" TO 10'-6"	NO PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	NO PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC
	W/ PLASTER	(1)	2X8	HF	#2	16" OC	(1)	2X8	HF	#2	16" OC
	W/ PLASTER (OPT)	(1)	2X8	DF	#2	16" OC	(1)	2X8	DF	#2	16" OC



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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:

**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:

**WALL FRAMING
DETAILS
WOOD STUDS**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0

AC_RM_FLS_DS_DBR_KER

DATE: 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183

DRAWN BY:

SCALE: AS NOTED

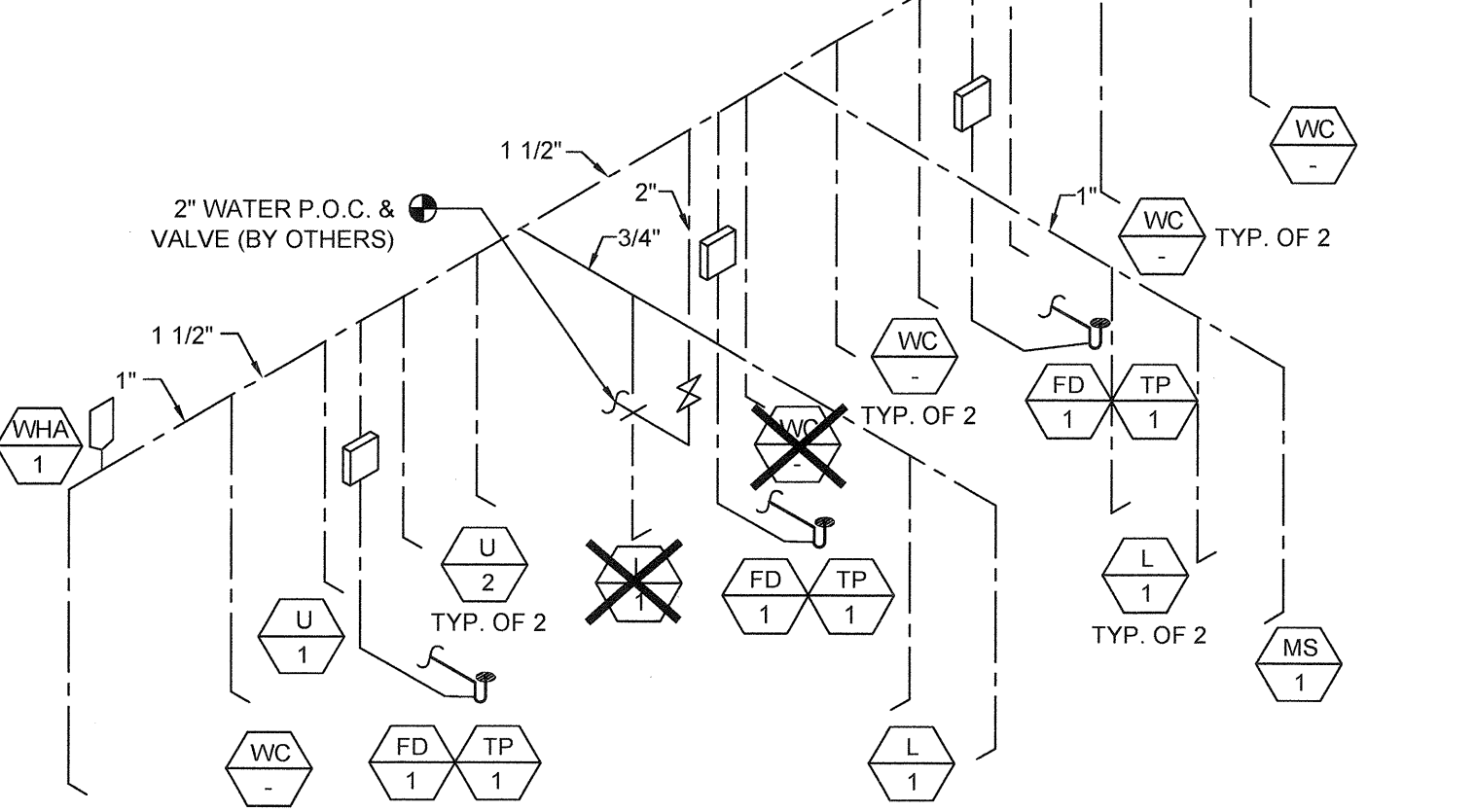
DATE: 10-12-2017

P.C. SHEET NUMBER

S-5.11

NOTE: ALL FIXTURES SHALL HAVE SHUT-OFF VALVES

TYPE "L" COPPER
MAX. DEV. LENGTH = 40 FT.
PRESSURE RANGE = 40 TO 60 PSI

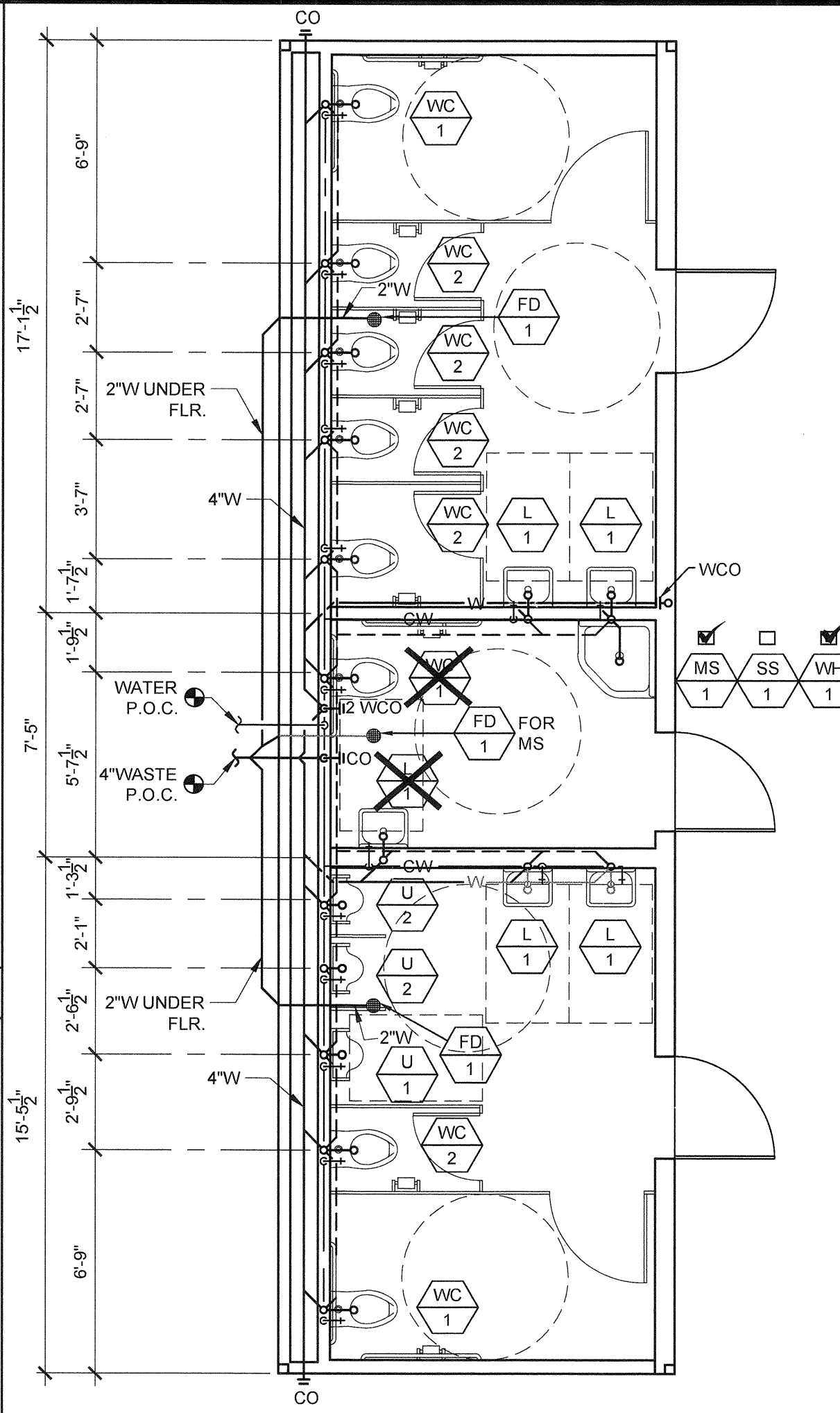


NOTE: HOT WATER LINE INSULATION TO BE INSTALLED AT FIRST 6' FROM THE WATER HEATER ON NON-RECIRCULATING SYSTEMS
ALL HOT WATER LINES TO BE INSULATED WHEN RECIRCULATING SYSTEMS ARE USED. INSULATION FLAME SPREAD INDEX 0.25 & SMOKE DEVELOPMENT 0.450

MODEL B-2

SUPPLY ISOMETRIC - FLOOR AND WALL MOUNT

SCALE: N.T.S. 8



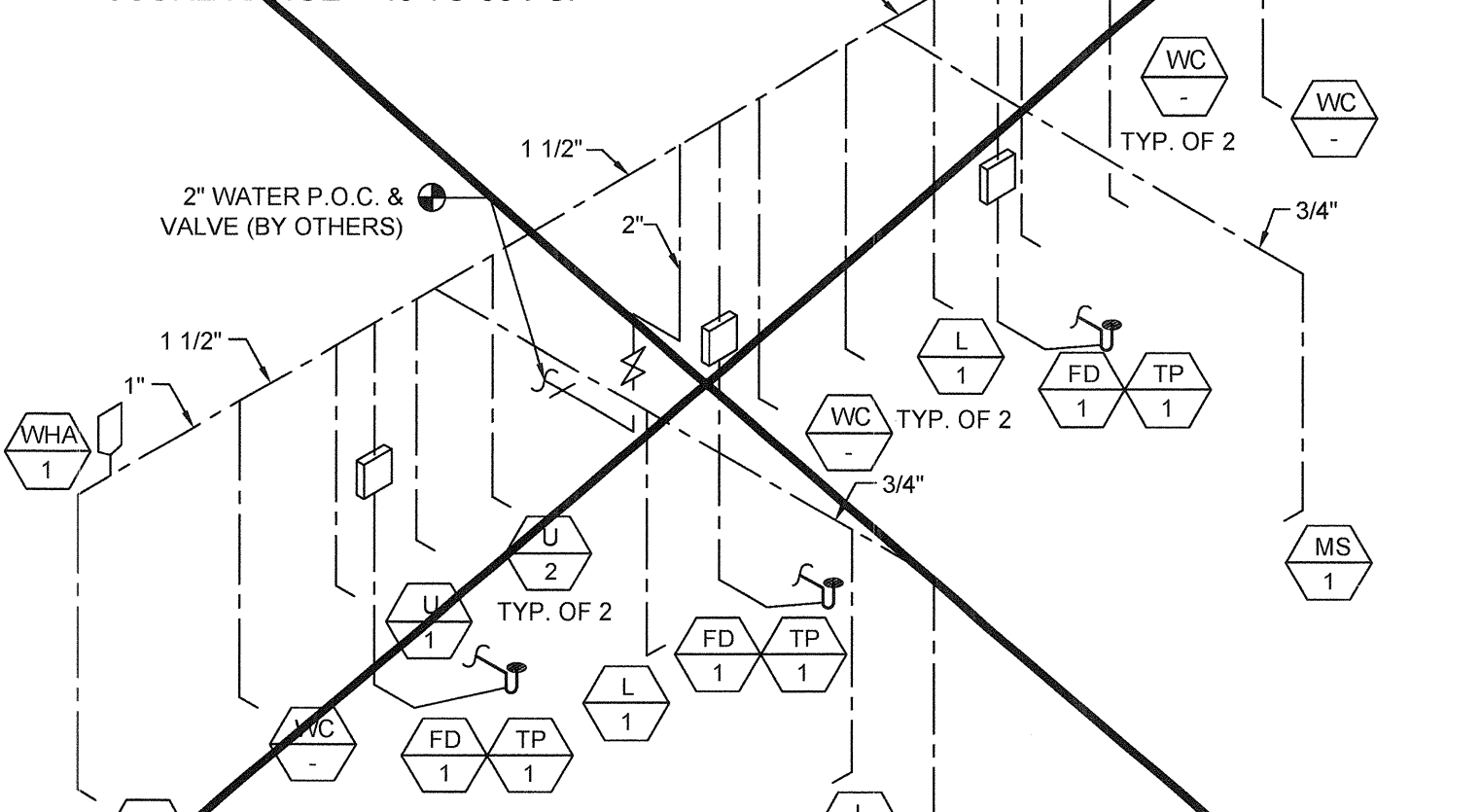
WALL MOUNT - MODEL B-2

PLUMBING PLAN

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

NOTE: ALL FIXTURES SHALL HAVE SHUT-OFF VALVES

TYPE "L" COPPER
MAX. DEV. LENGTH = 40 FT.
PRESSURE RANGE = 40 TO 60 PSI



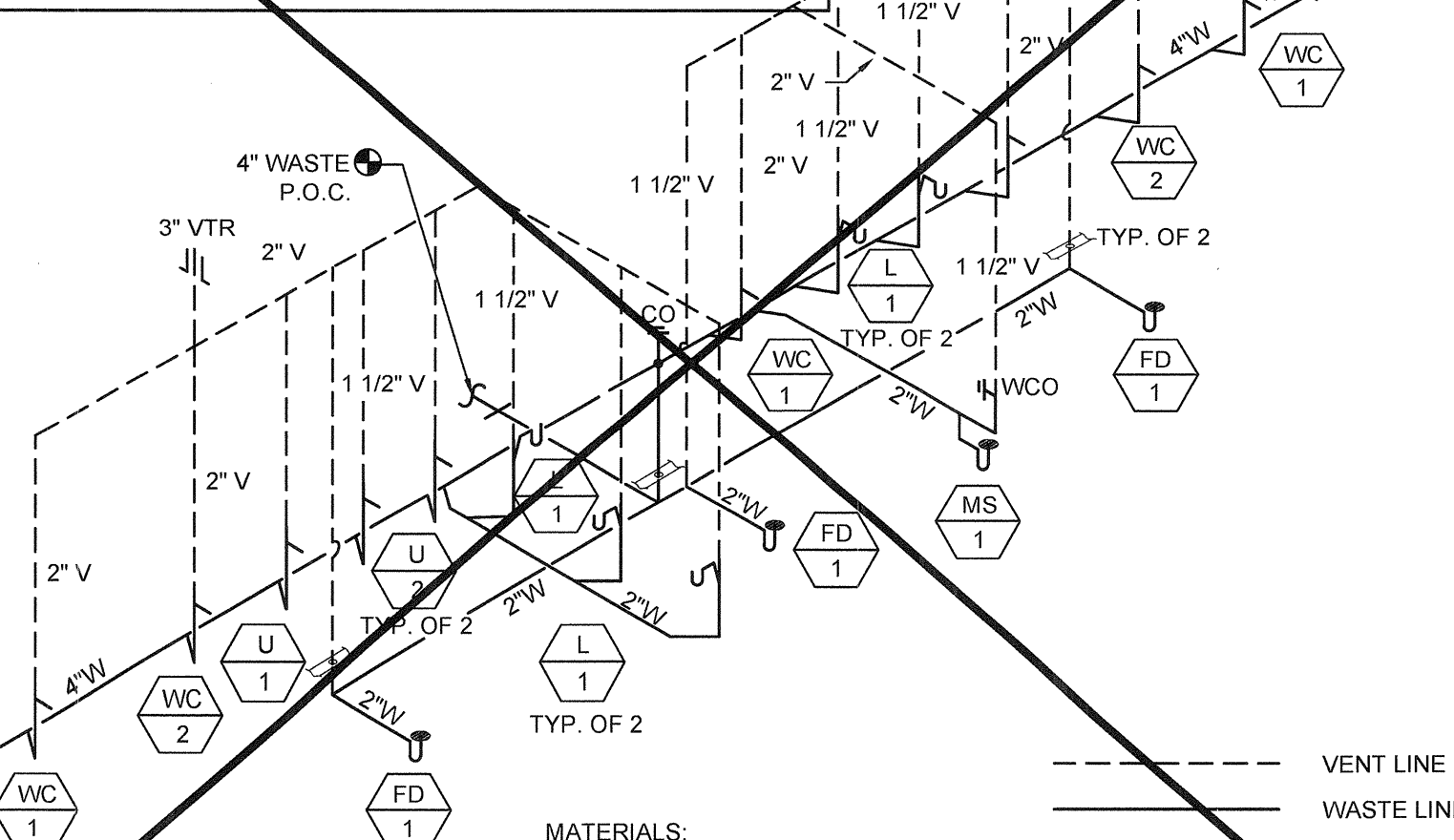
NOTE: HOT WATER LINE INSULATION TO BE INSTALLED AT FIRST 6' FROM THE WATER HEATER ON NON-RECIRCULATING SYSTEMS
ALL HOT WATER LINES TO BE INSULATED WHEN RECIRCULATING SYSTEMS ARE USED. INSULATION FLAME SPREAD INDEX 0.25 & SMOKE DEVELOPMENT 0.450

MODEL B-1

SUPPLY ISOMETRIC - FLOOR AND WALL MOUNT

SCALE: N.T.S. 3

NOTE:
MINIMUM FOUNDATION HEIGHT TO BE 18" IF THE BUILDING CARRIES UNDER FLOOR PLUMBING (MANIFOLDS)

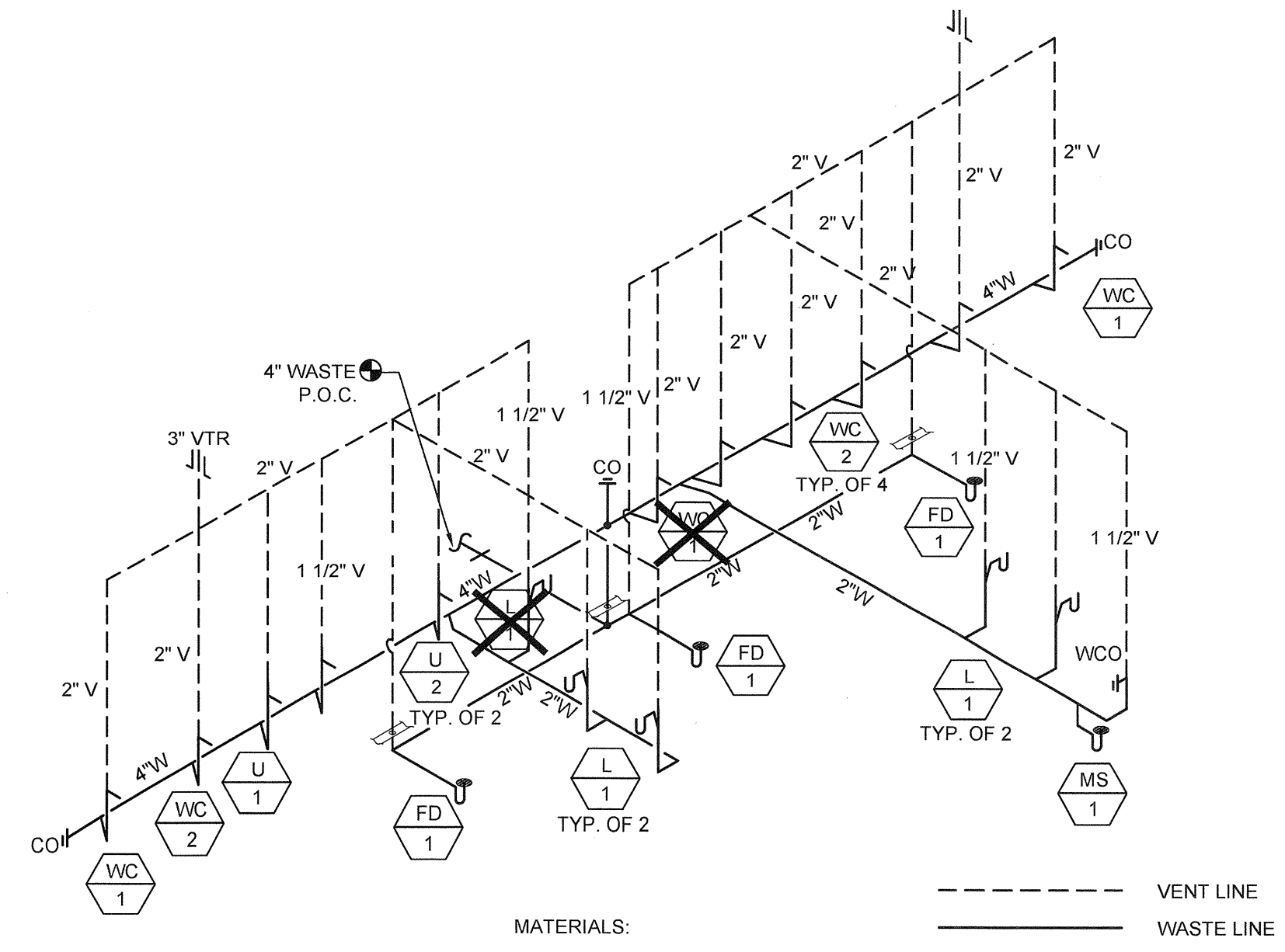


MODEL B-1

WASTE AND VENTING ISOMETRIC - WALL MOUNT

SCALE: N.T.S. 4

MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

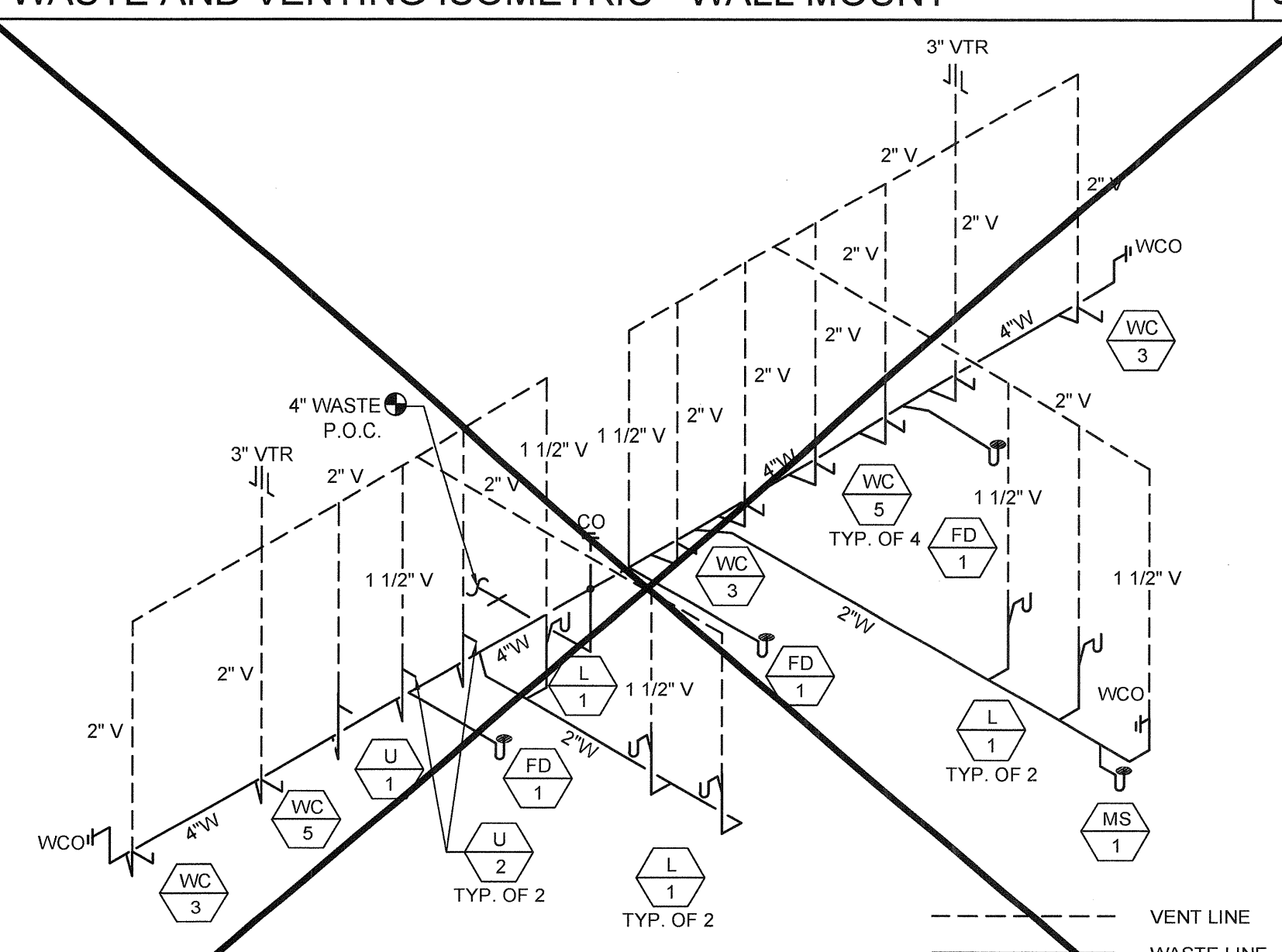


MODEL B-2

WASTE AND VENTING ISOMETRIC - WALL MOUNT

SCALE: N.T.S. 9

MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE

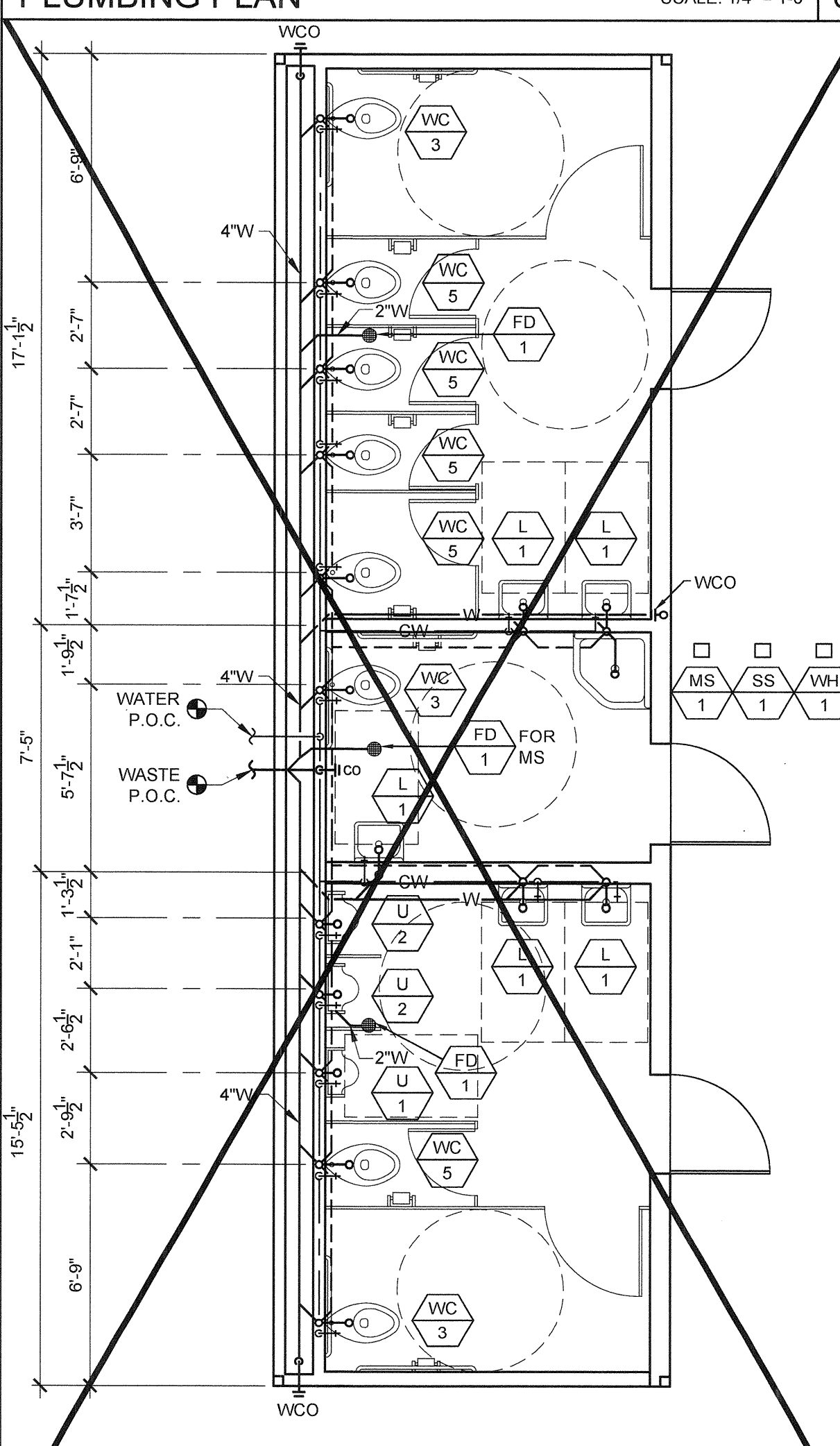


MODEL B-2

WASTE AND VENTING ISOMETRIC - FLOOR MOUNT

SCALE: N.T.S. 10

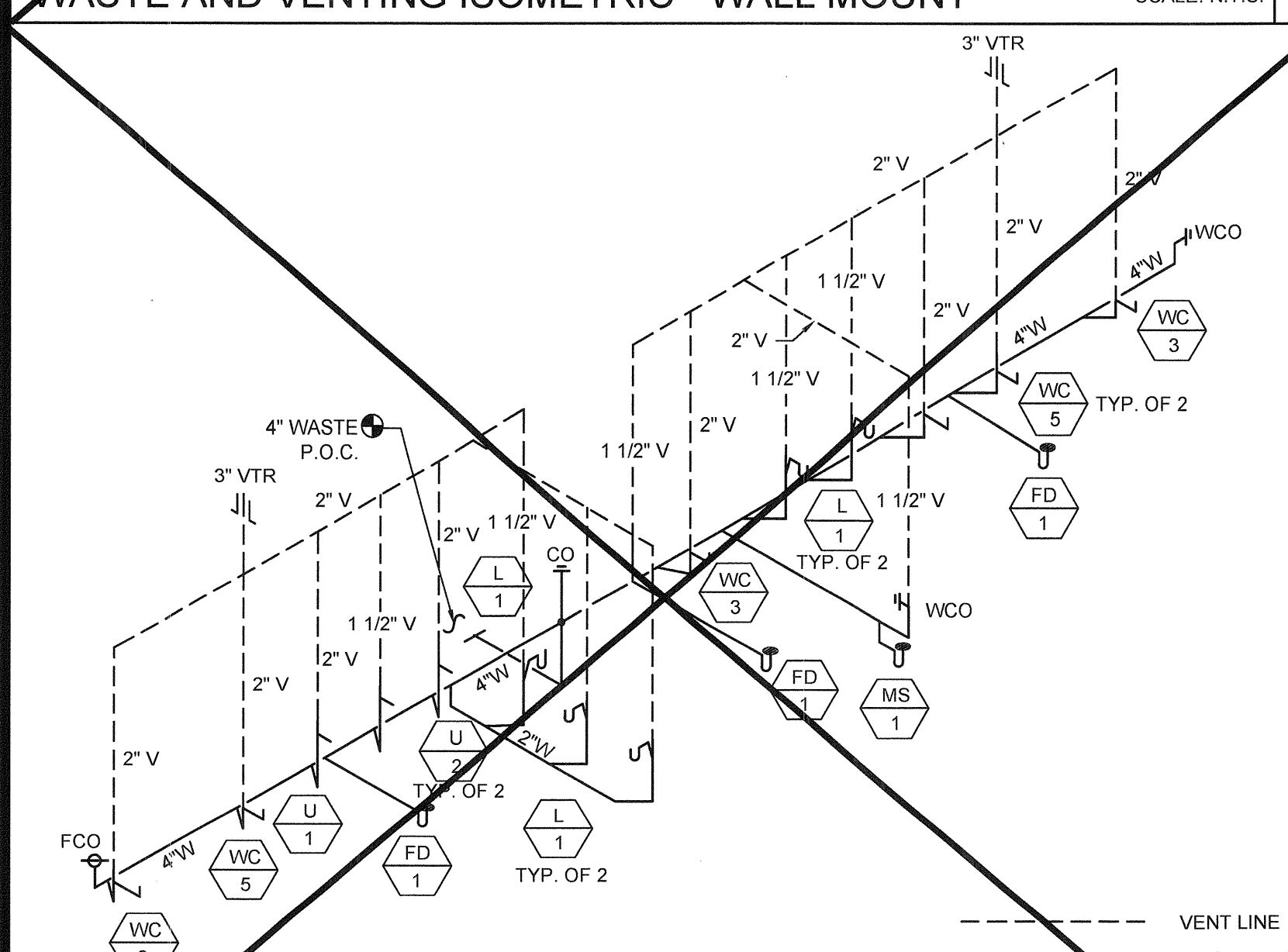
MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE



FLOOR MOUNT - MODEL B-2

PLUMBING PLAN

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

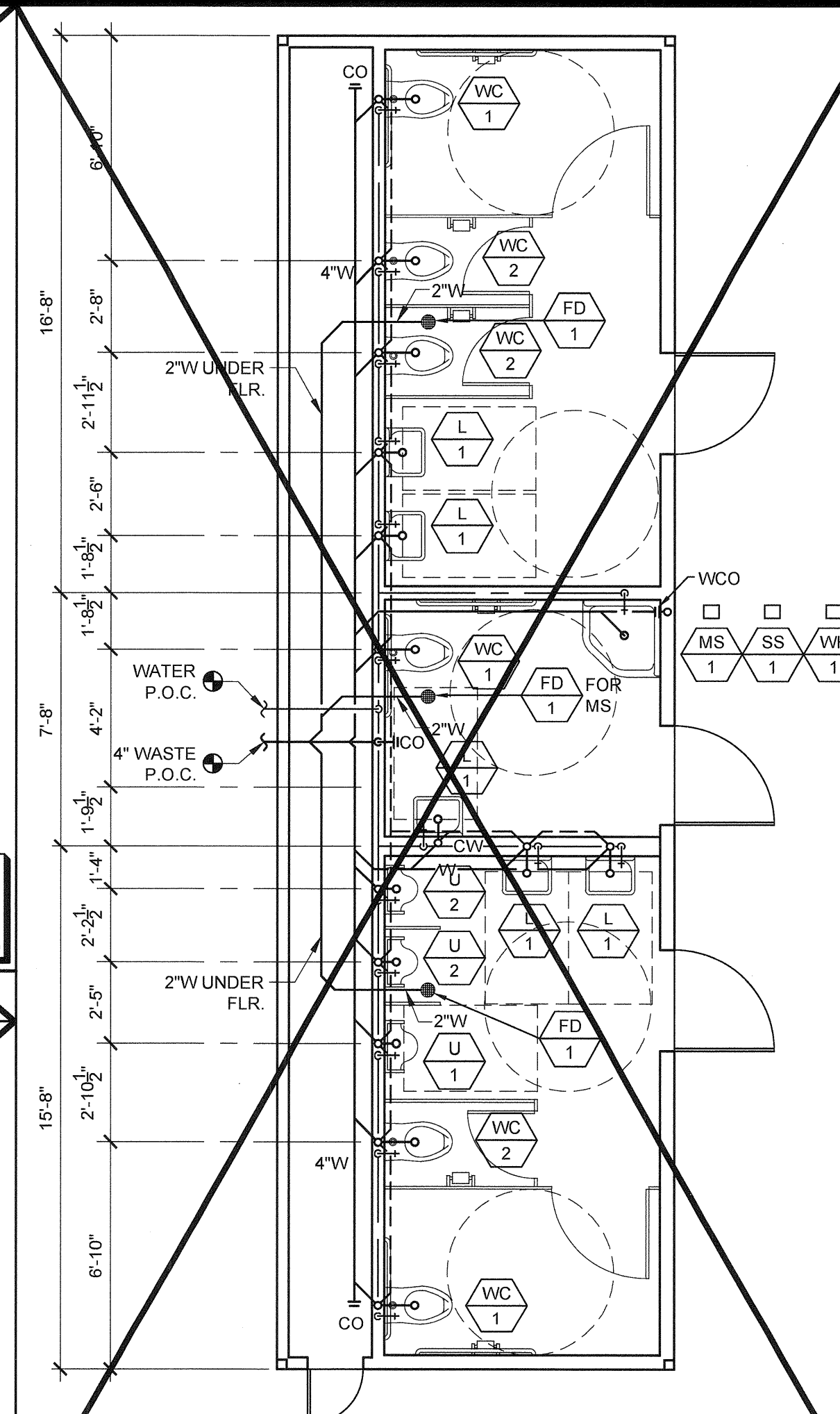


MODEL B-1

WASTE AND VENTING ISOMETRIC - FLOOR MOUNT

SCALE: N.T.S. 5

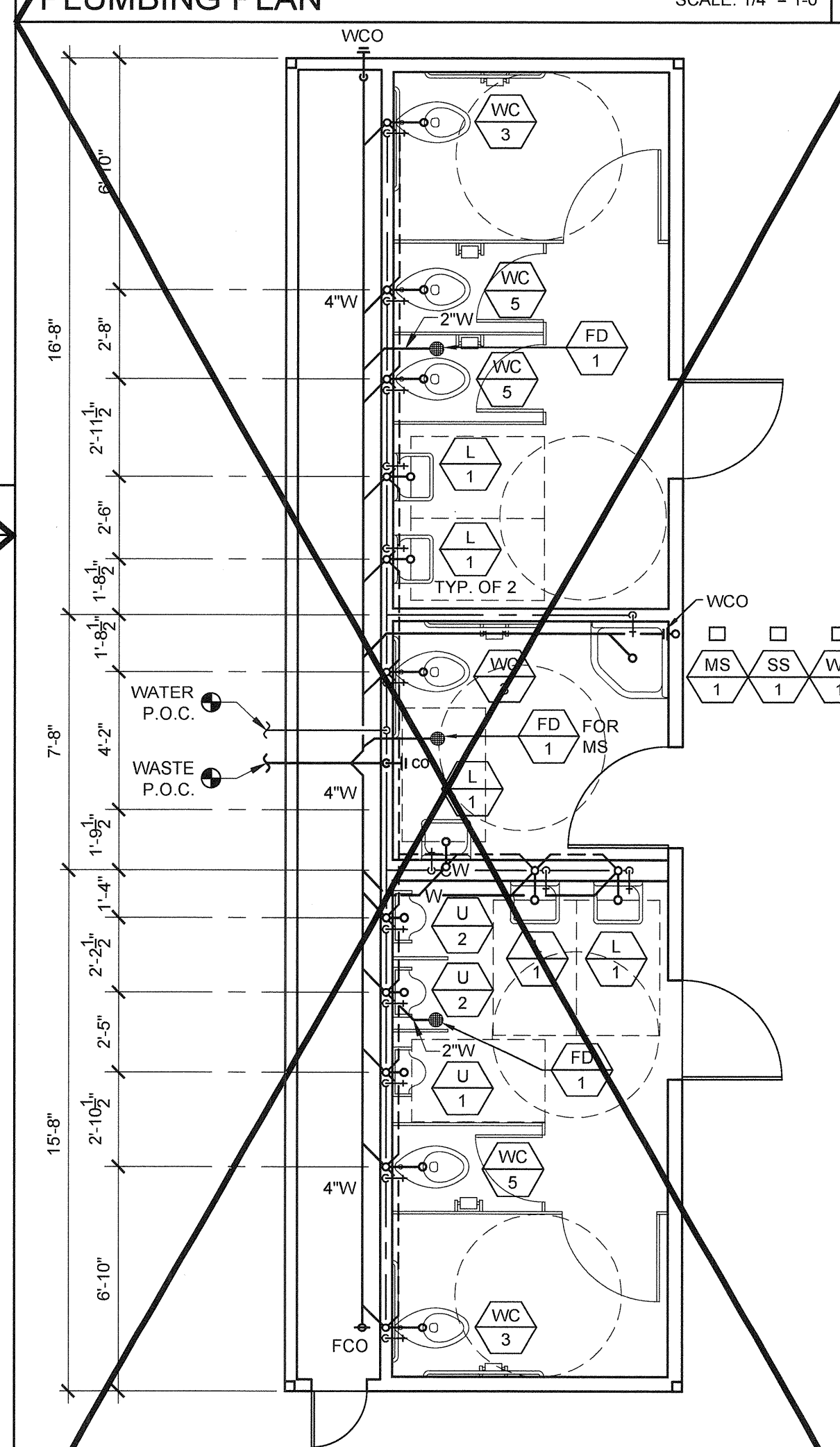
MATERIALS:
- ABS SCHEDULE 40 IS STANDARD
- CAST IRON W/ NO HUB CONNECTOR IS OPTION FOR BLDG. OVER 2160 SF.
- BASED ON 1/4" PER FOOT SLOPE



WALL MOUNT - MODEL B-1

PLUMBING PLAN

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



FLOOR MOUNT - MODEL B-1

PLUMBING PLAN

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

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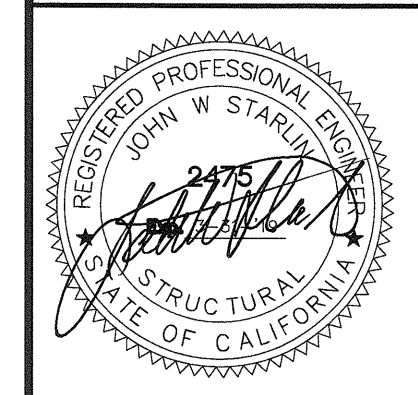
2830 BARRETT AVE PERRIS, CALIFORNIA 92571
PHONE: 951-943-5393 FAX: 951-943-2211

PROJECT NAME:

**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:

**PLUMBING PLAN
AND ISOMETRICS
MODEL B-1 OR B-2
"ADULT"**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

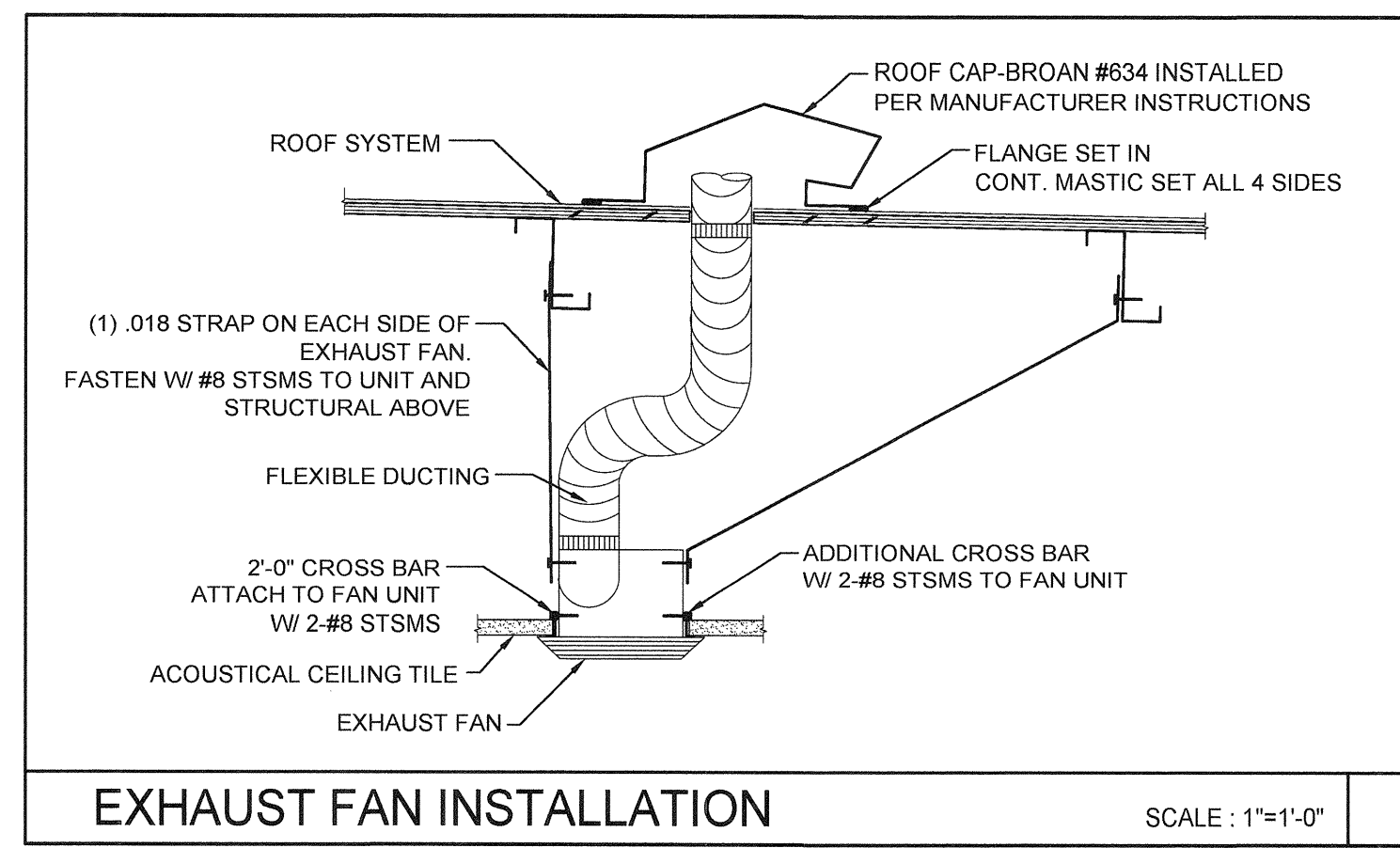
PRE-CHECK (PC) DOCUMENT CODE 2016 DEC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION REQUIREMENTS	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT
	04 - 116720 INCR: 0
	AC_RM_FLS_DS_SSR_KER
DATE: 08/22/2018	

REVISIONS	

SILVER CREEK INDUSTRIES 12' x 40' PC	
PROJECT NO:	11183
DRAWN BY:	
SCALE:	AS NOTED
DATE:	10-12-2017
P.C. SHEET NUMBER	

P-1.02A

LEGEND		
SYMBOL	ABB.	DESCRIPTION
	SAD	SUPPLY AIR DUCT
	RAD	RETURN AIR DUCT
	EAD	EXHAUST AIR DUCT
	(L)	LINED DUCTWORK
	CD	SUPPLY CEILING DIFFUSER
	CR	RETURN CEILING REGISTER
	ER	EXHAUST CEILING REGISTER
	VTR	VENT THRU ROOF
	FD	FIRE DAMPER
	MVD	MANUAL VOLUME DAMPER
	UC	UNDERCUT DOOR
	STAT	THERMOSTAT
	BT	BYPASS TIMER
	P.O.C	POINT OF CONNECTION



EXHAUST FAN INSTALLATION SCALE: 1"=1'-0"

GENERAL NOTES

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, 28 AND 30.

- 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.

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.

- 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.
- 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.

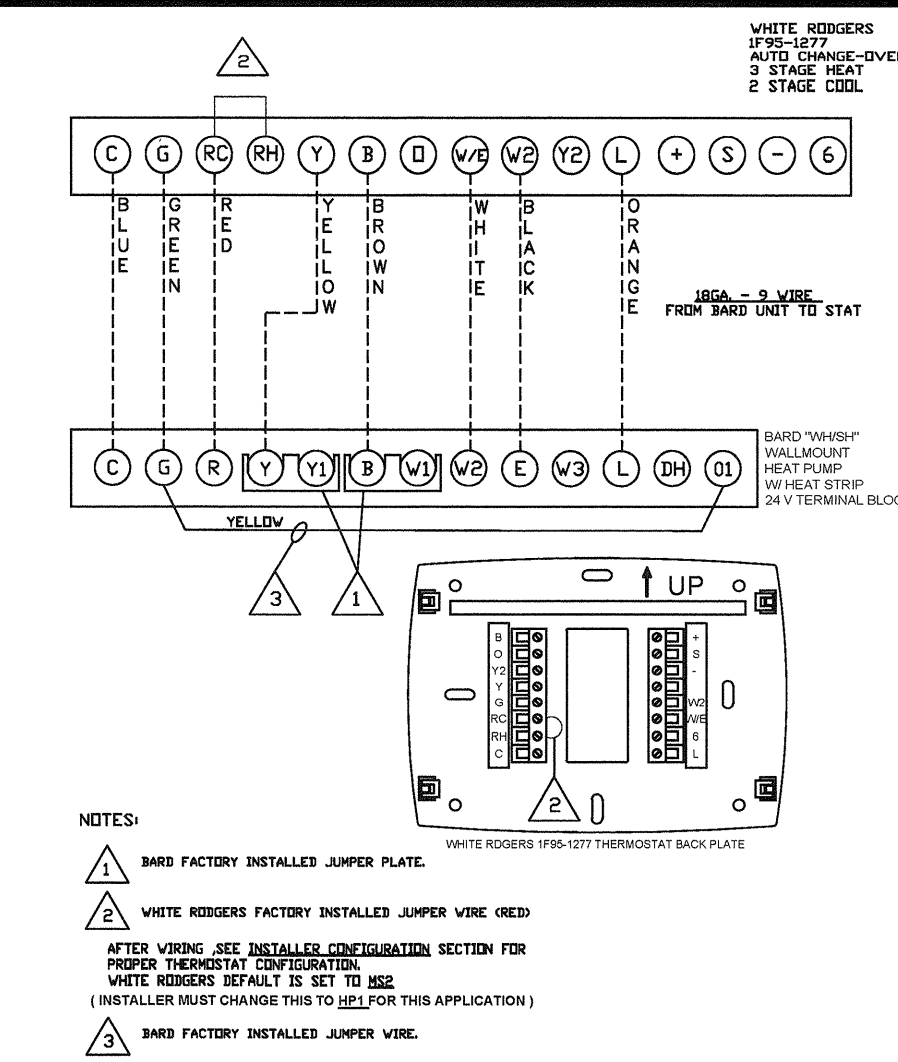
PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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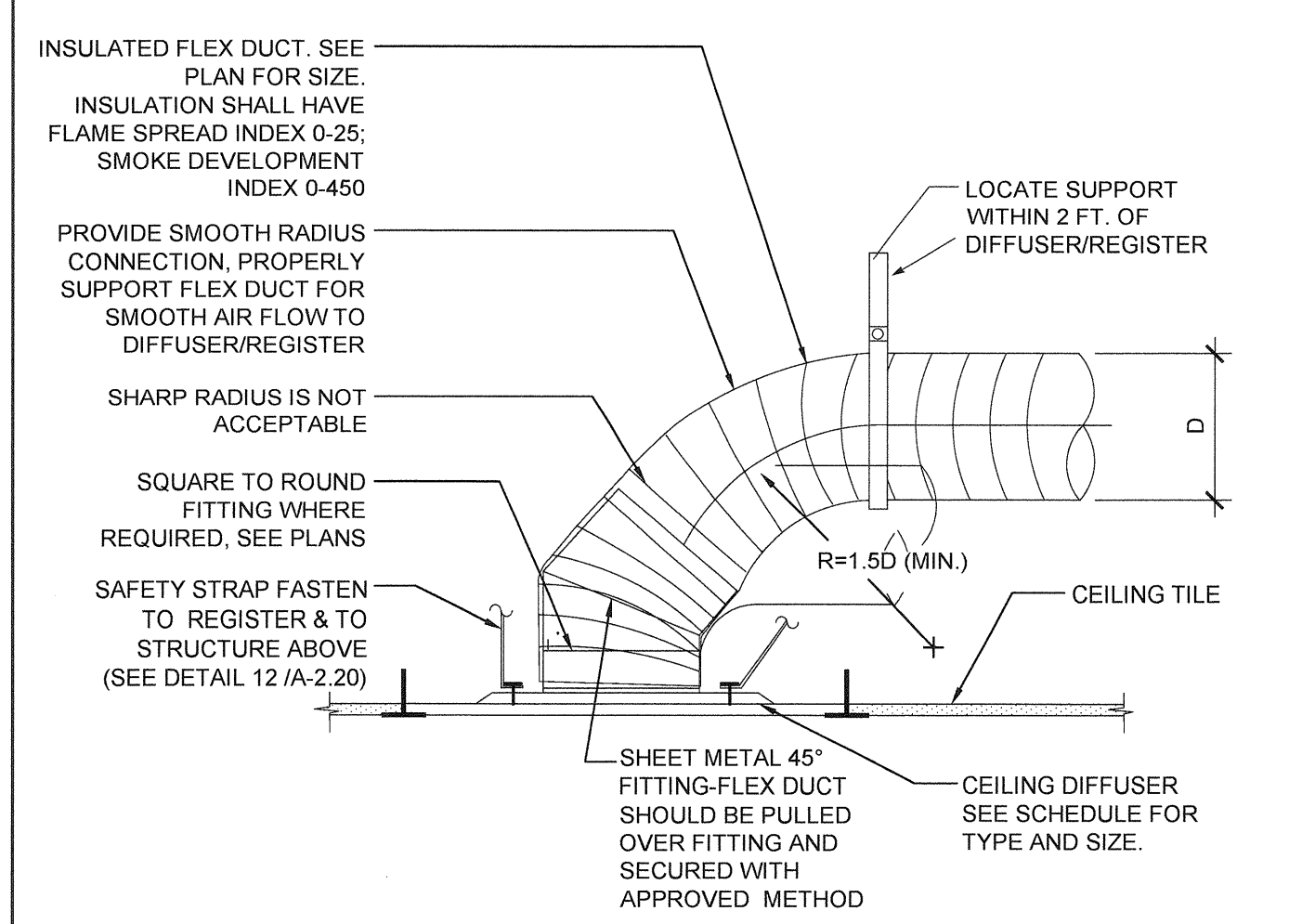
THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS OR THEY SHALL COMPLY WITH ONE OF THE OSHPD PRE-APPROVALS (OPA #).

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.

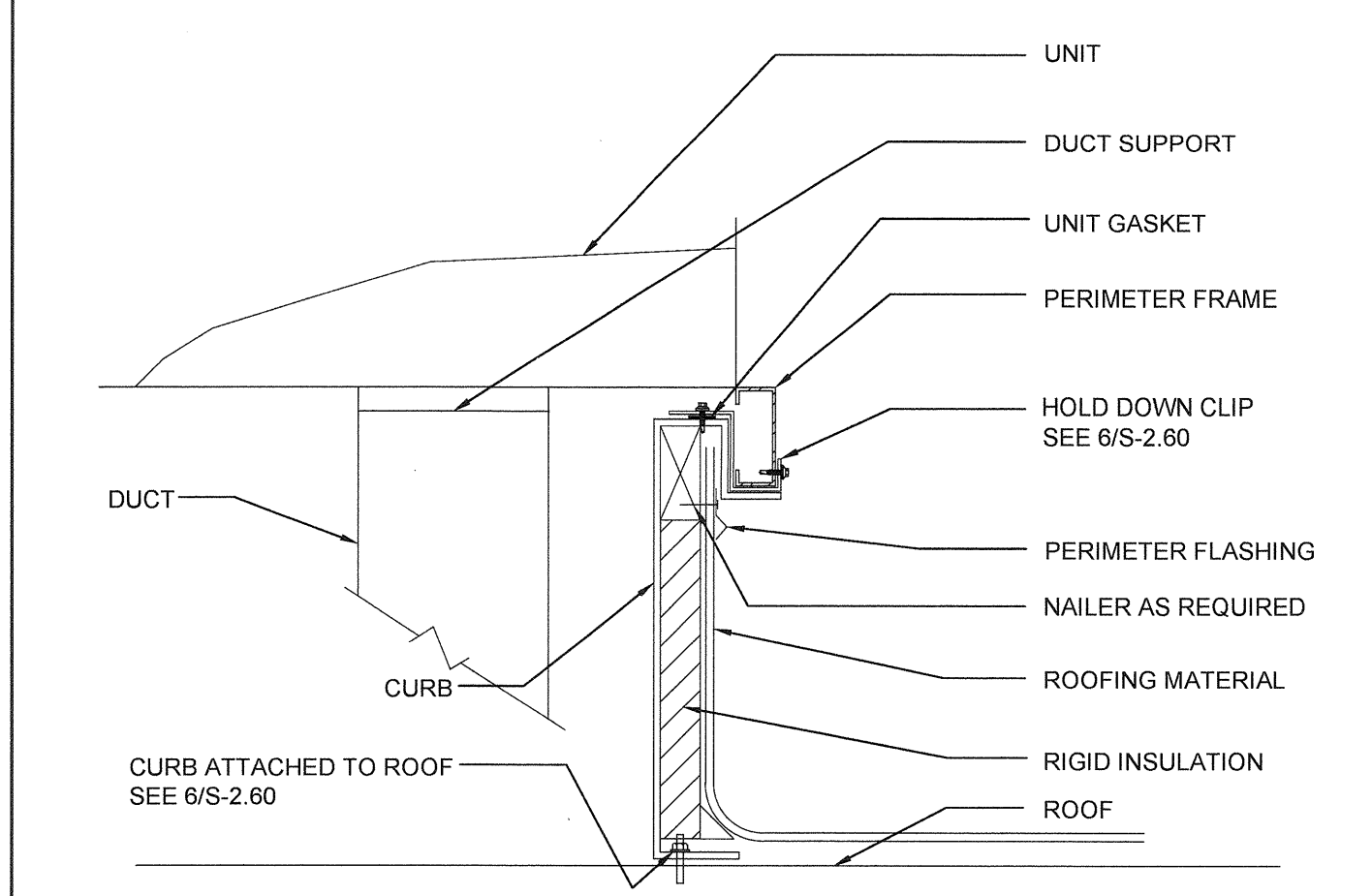
THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.



UNIT TO THERMOSTAT WIRING SCALE: NONE



RETURN CEILING DIFFUSER MOUNTING SCALE: NONE



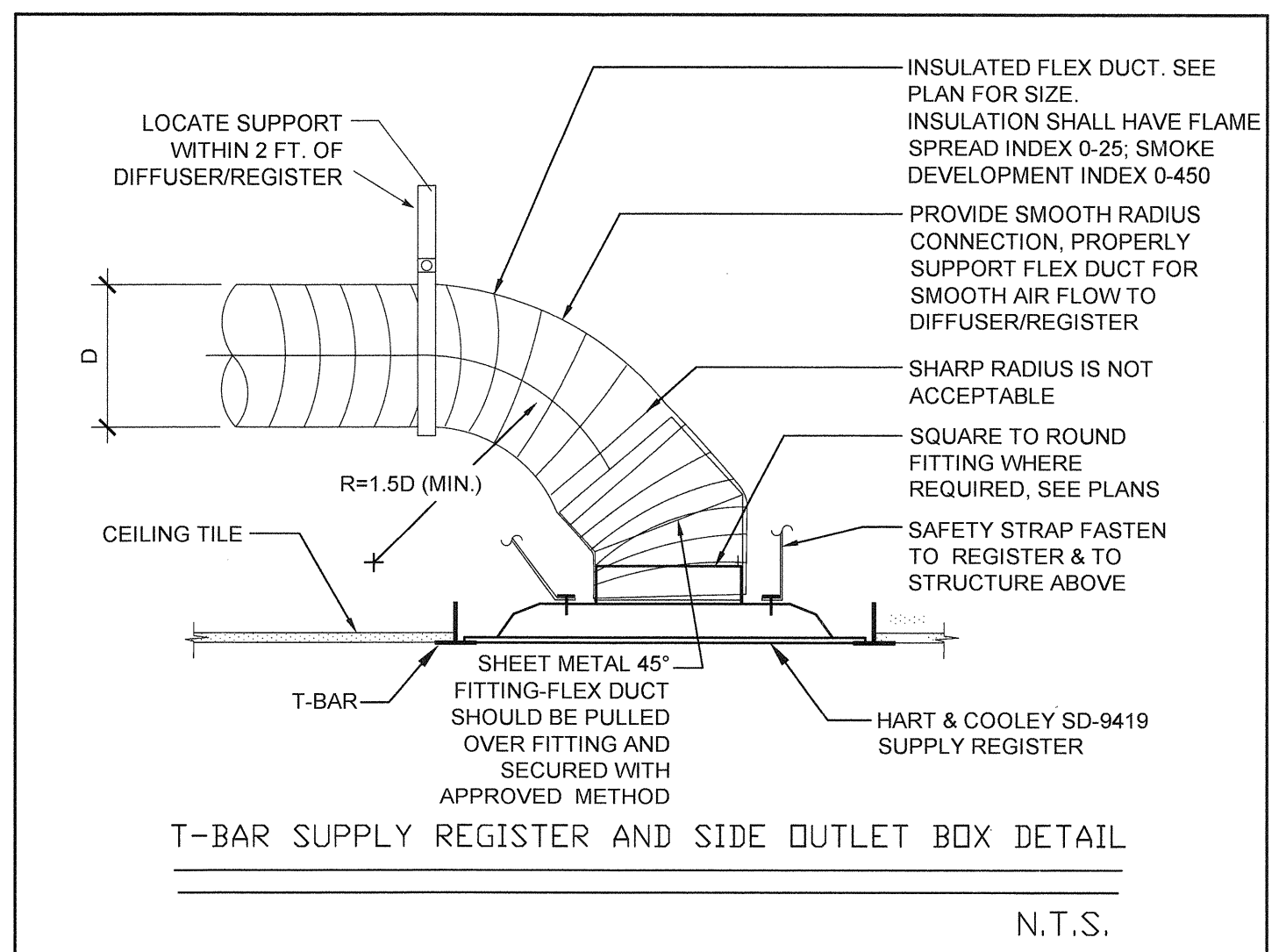
A/C UNIT MOUNTING SCALE: NONE

CEILING MOUNTED EXHAUST FAN SCHEDULE												
SYM.	LOCATION	SERVICE	MANUF.	MODEL	CFM	SONES	SP	ELECTRICAL			REMARKS	
								VOLTS	Ø	POWER		
EF 1	CEILING	TOILET EXHAUST	BROAN	676	100	4.0	0.25	120	1	156 WATTS	7 LBS.	WITH BROAN ROOF CAP #636. PROVIDE 4" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 2	CEILING	TOILET EXHAUST	BROAN	L100	109	1.0	0.25	120	1	87 WATTS	22.80 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 6" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 3	CEILING	TOILET EXHAUST	BROAN	L200	210	2.0	0.25	120	1	127 WATTS	23.0 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.
EF 4	CEILING	TOILET EXHAUST	BROAN	L300	308	2.8	0.25	120	1	212 WATTS	23.10 LBS.	WITH BROAN ROOF CAP #634. PROVIDE 8" DIA. EXHAUST DUCT UP TO ROOF. INTERLOCK WITH LIGHT SWITCH.

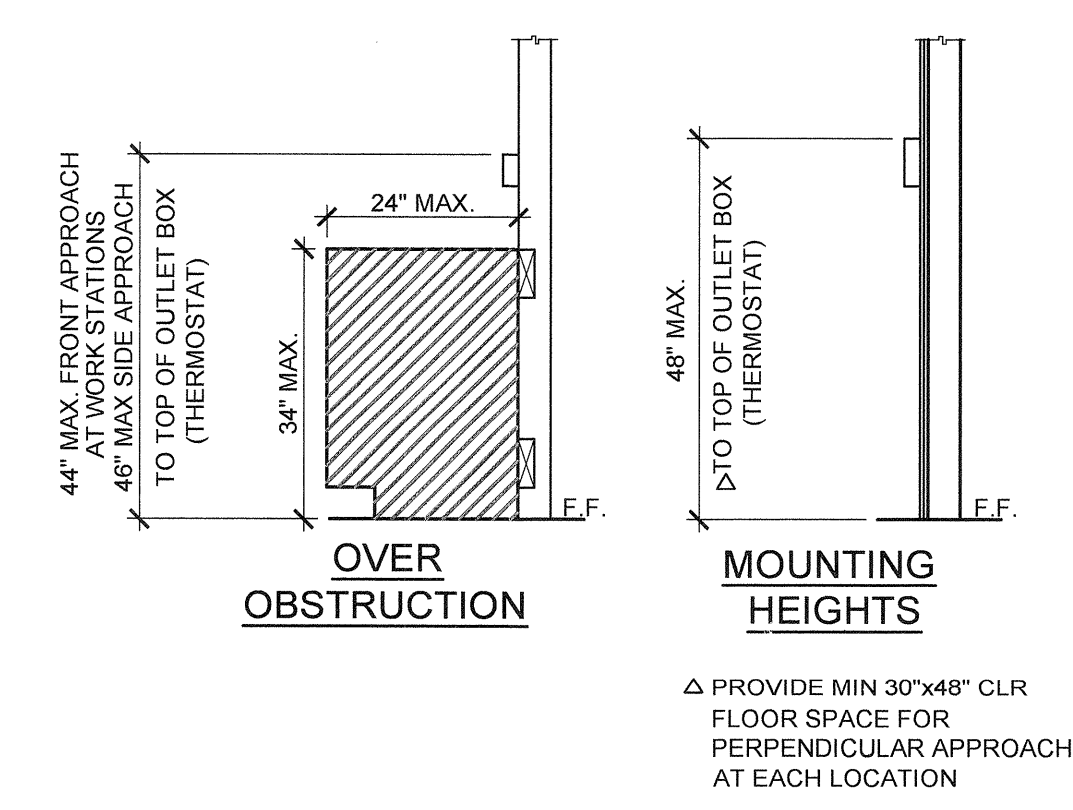
OR APPROVED EQUAL.

PERFORATED FACE GRILLE SCHEDULE (SUPPLY)			
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR SUPPLY	6"Ø	0 - 150	Fixed Curve Blade, 4-way throw For lay-in T-bar ceilings use Harth & Cooley SD-9419. (Sizes as shown on Mech Plan)
	8"Ø	150 - 230	
	10"Ø	230 - 350	
	12"Ø	350 - 460	
	14"Ø	460 - 640	

PERFORATED FACE GRILLE SCHEDULE (RETURN)			
ITEM	NECK SIZE	RANGE CFM	MFG & MODEL #
T-BAR RETURN	6"Ø	0 - 230	Perforated face For lay-in T-bar ceilings use Shoemaker 105P with 24 ga. 45 deg. angle. (Sizes as shown on Mech Plan.)
	10"Ø	230 - 460	
	14"Ø	460 - 710	



SUPPLY CEILING DIFFUSER MOUNTING SCALE: NONE



△ PROVIDE MIN 30"x48" CLR FLOOR SPACE FOR PERPENDICULAR APPROACH AT EACH LOCATION

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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: **LIBERTY UHSD LIBERTY HIGH SCHOOL (1) 12' x 40' TOILET BLDG**

SHEET TITLE: **MECHANICAL NOTES, SCHEDULES, & DETAILS**

ARCHITECT OF RECORD SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR_KER
DATE 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES 12' x 40' PC

PROJECT NO: 11183

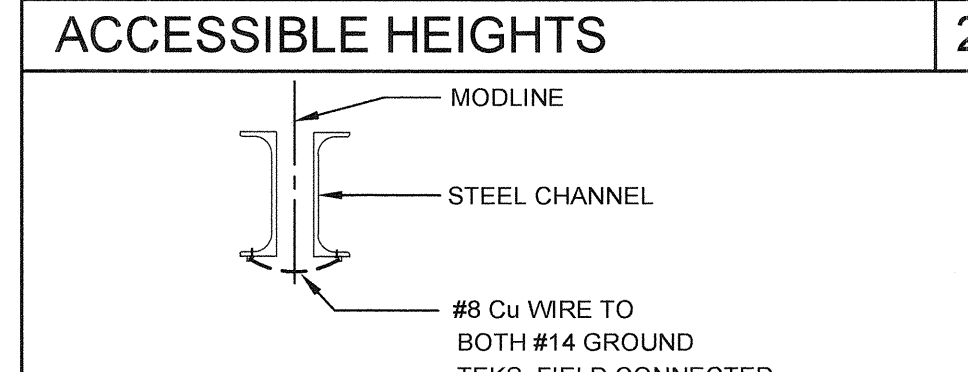
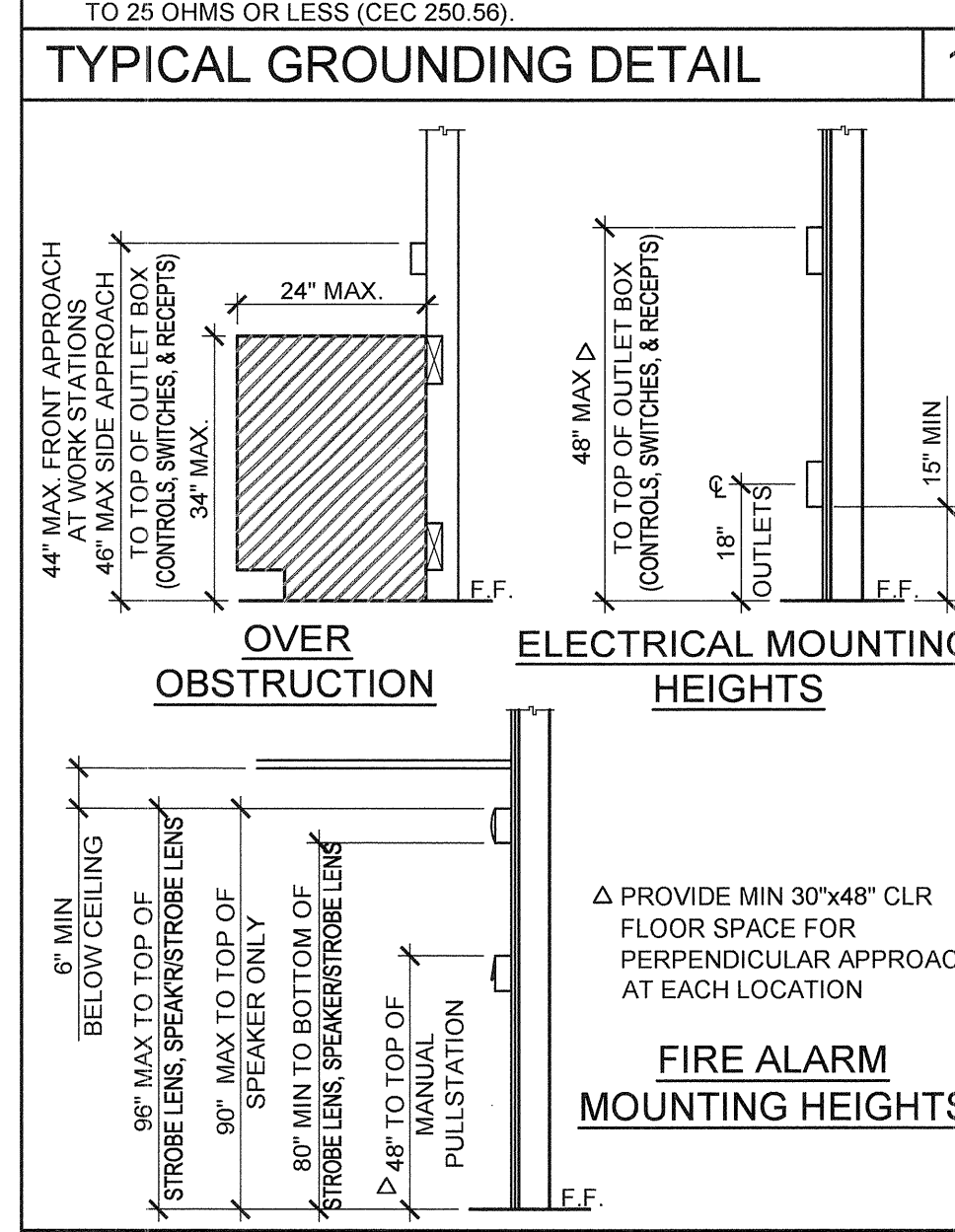
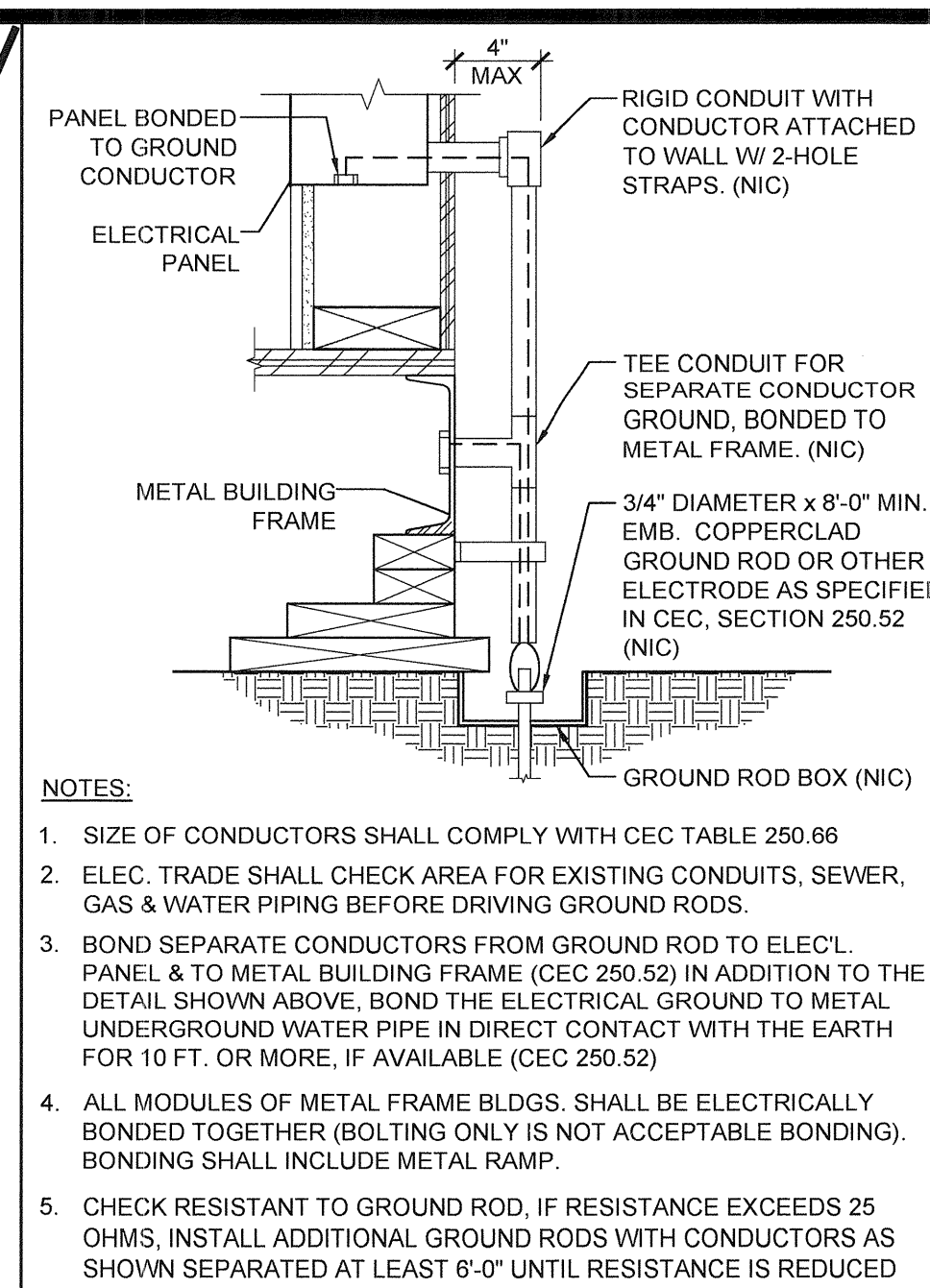
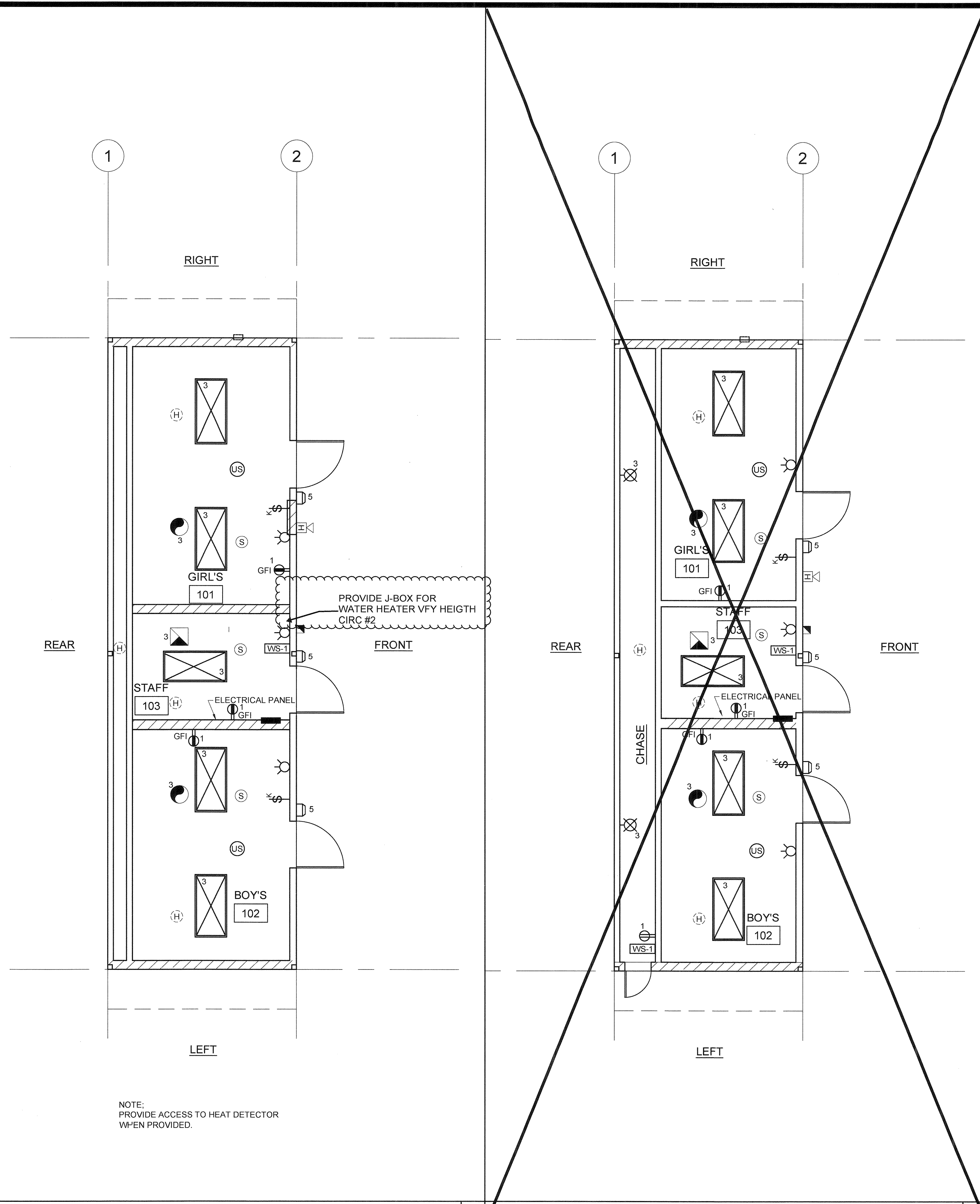
DRAWN BY:

SCALE: AS NOTED

DATE: 10-12-2017

P.C. SHEET NUMBER

M-0.1



GROUND JUMPER AT MODLINE

EACH BUILDING SHALL BE SEPARATELY GROUNDED WITH A 3/4" RD. X 8' COPPERCLAD STEEL GROUND ROD, WHERE ROCK BOTTOM IS ENCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREES FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP (BY SITE ELECTRICAL).

TESTING: TEST FOR RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPARATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCES 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 MAYBE 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.

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- TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.
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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.

- 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.
- 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.

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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.N.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 #MDM-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 60" AND 90" 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.
 - 2x4 SURFACE MOUNTED OR RECESSED LED LIGHT FIXTURE, DIMMABLE, 40 WATTS MAX.
 - LED WALL PACK LIGHT FIXTURE, 15 WATTS

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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:

**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:

**ELECTRICAL PLAN
AND SCHEDULE
MODEL B-1 OR B-2**

ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

FILE NUMBER: 33-SILVER
IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
04 - 116720 INCR: 0
AC_RM_FLS_DS_SSR KER
DATE 08/22/2018

REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC

PROJECT NO: 11183

DRAWN BY:

SCALE: AS NOTED

DATE: 10-12-2017

P.C. SHEET NUMBER

E-1.02

ELECTRICAL PLAN - MODEL B-2 SCALE: 1/4" = 1'-0"

ELECTRICAL PLAN - MODEL B-1

NOTE: PROVIDE ACCESS TO HEAT DETECTOR WHEN PROVIDED.

ELECTRICAL PANEL

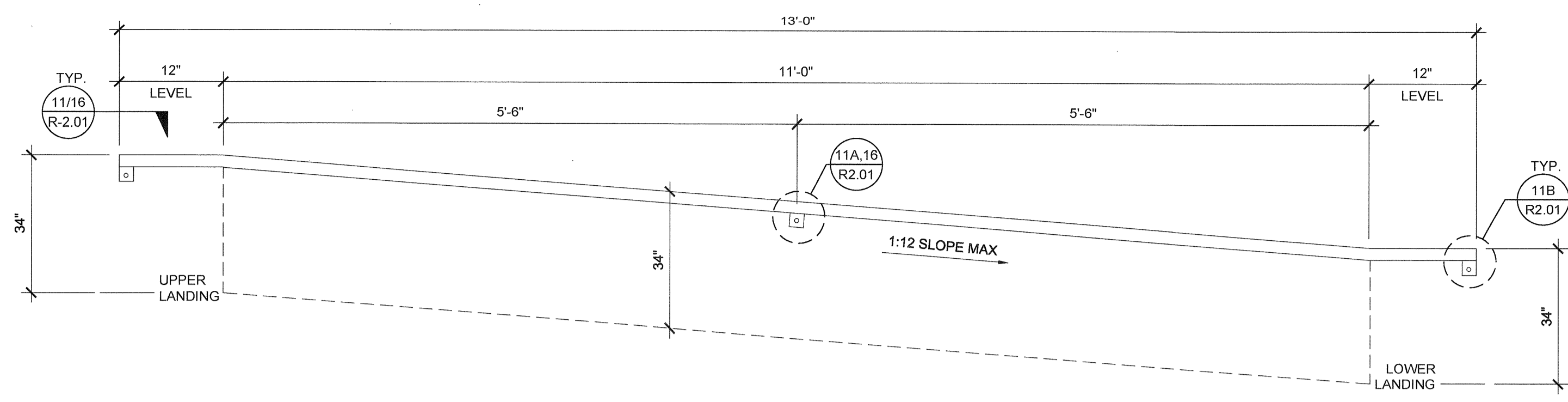
PANEL: "A" (B-1 & B-2)

FEED: REAR

LOCATION: INTERIOR ACCESS

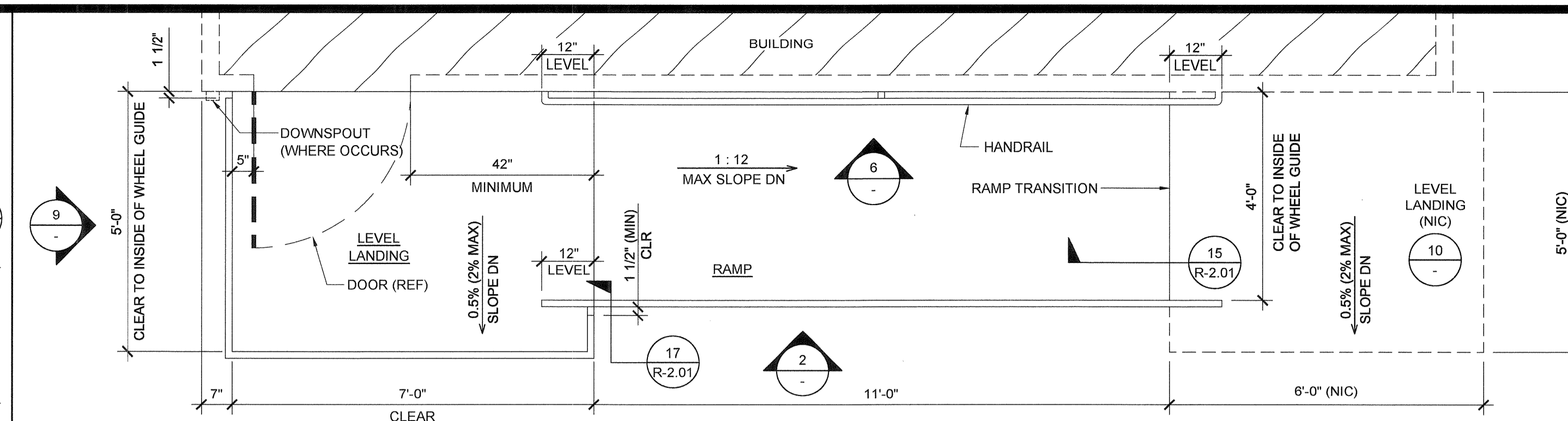
LOAD	QTY	WATTS	BREAKER	Circuit	Amps		WATTS	QTY	LOAD
					A	B			
RECEPTACLES / GFI	4	720	20	1	1	1	1500	1	WATER HEATER
INTERIOR LIGHTING/EXHAUST FAN	9	585	20	1	3	3			
EXTERIOR LIGHTING	2	84	20	1	5	5			
EMPTY					7	7			
DED - SOLAR READY					9	10			
DED - SOLAR READY					11	12			
					13	14	20	1	40
									40
									FIRE ALARM (LOCK-ON)
A = 804		WATTS / PHASE	804	585					B = 625
TOTAL = 1429		WATTS	6.87	AMPS	120/208	VOLTS	1 Ø	3	WIRE

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 60 SF PER BUILDING.



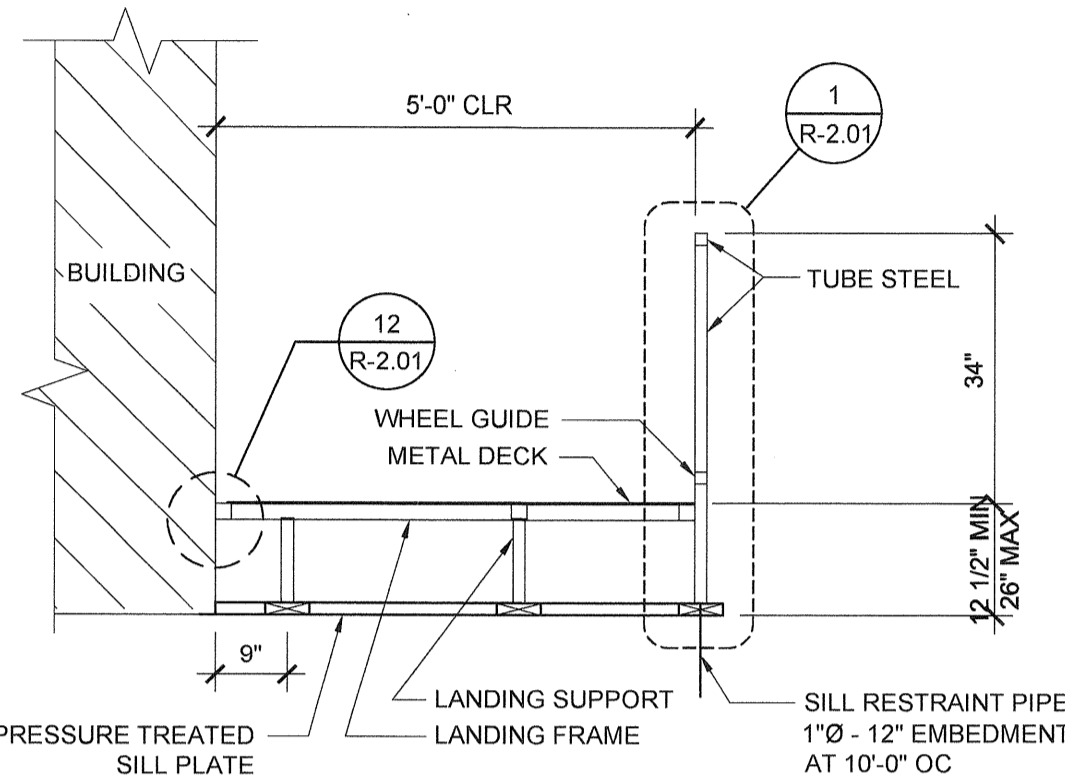
HANDRAIL ATTACHMENT TO BUILDING

SCALE: 1" = 1'-0"



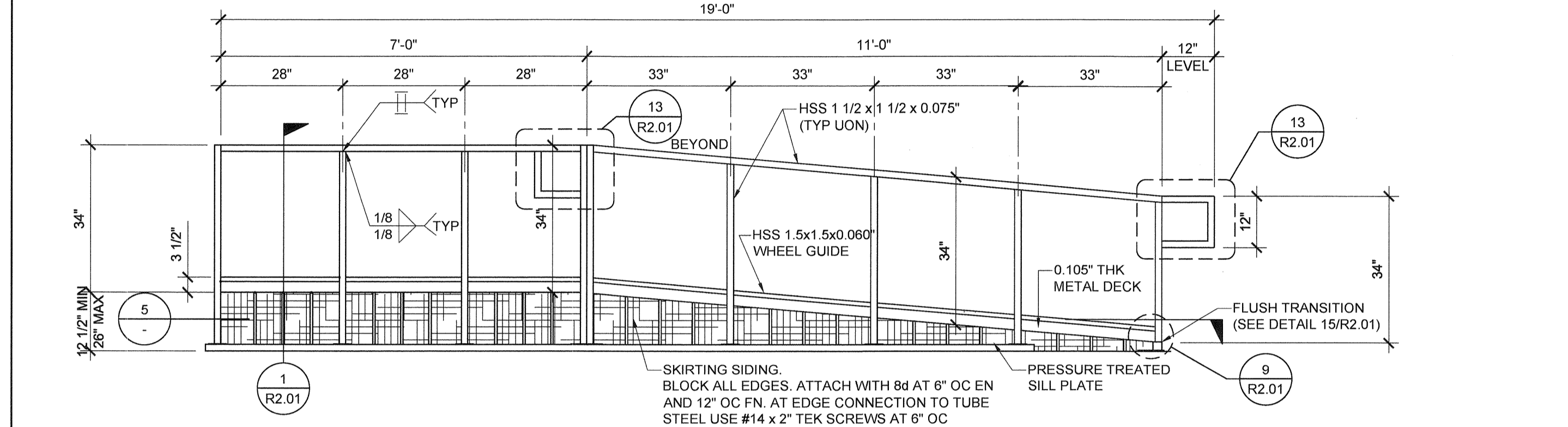
RAMP AND LANDING AT BUILDING

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



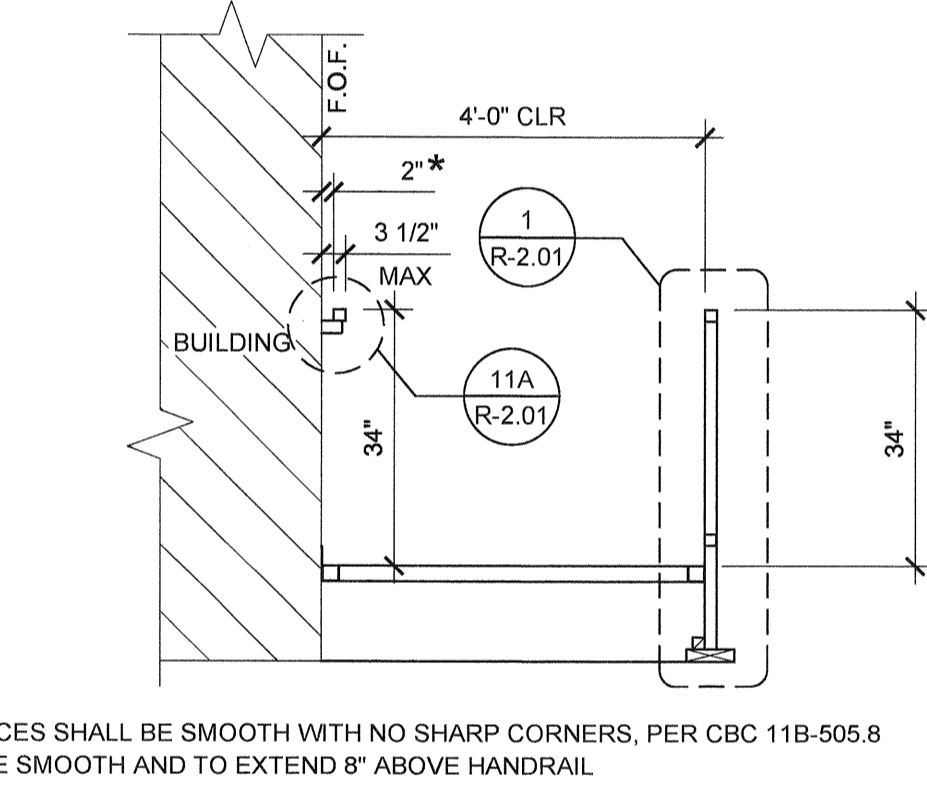
SECTION AT LANDING

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



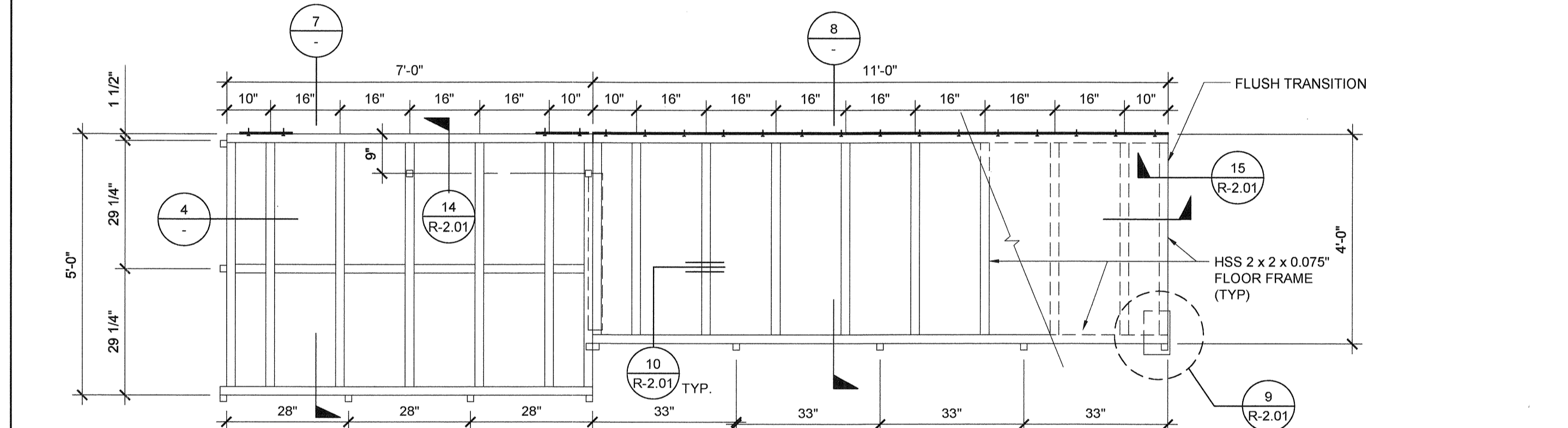
RAMP AND LANDING ELEVATION

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



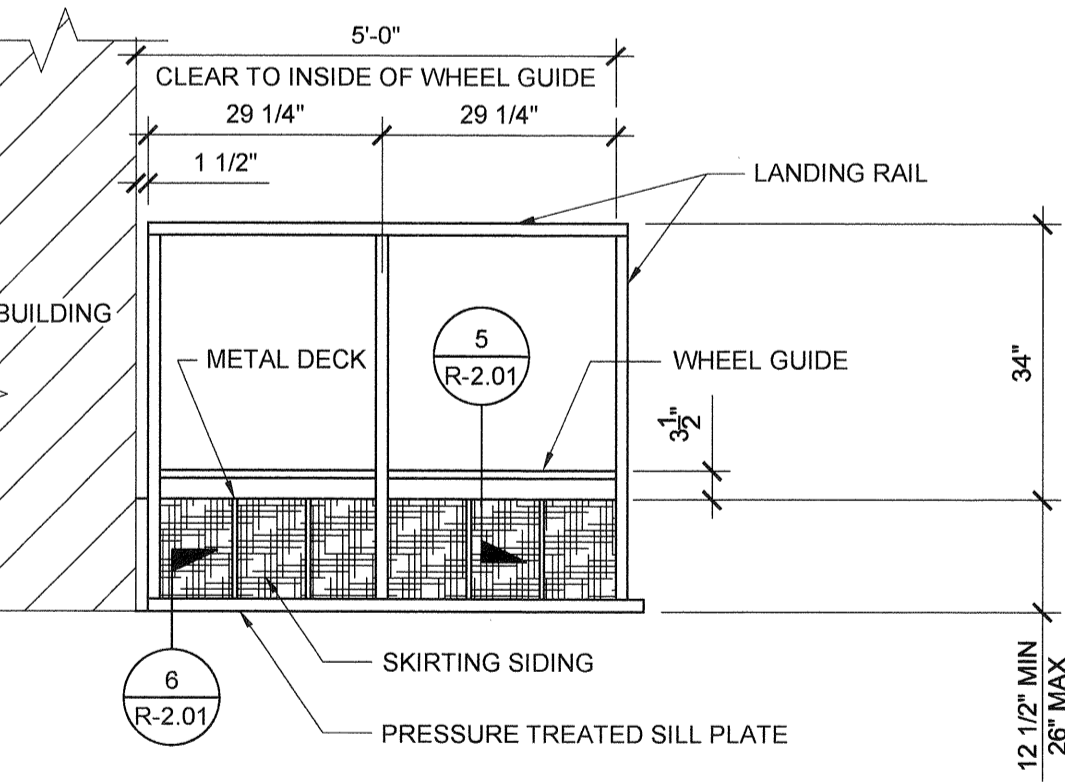
SECTION AT RAMP

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



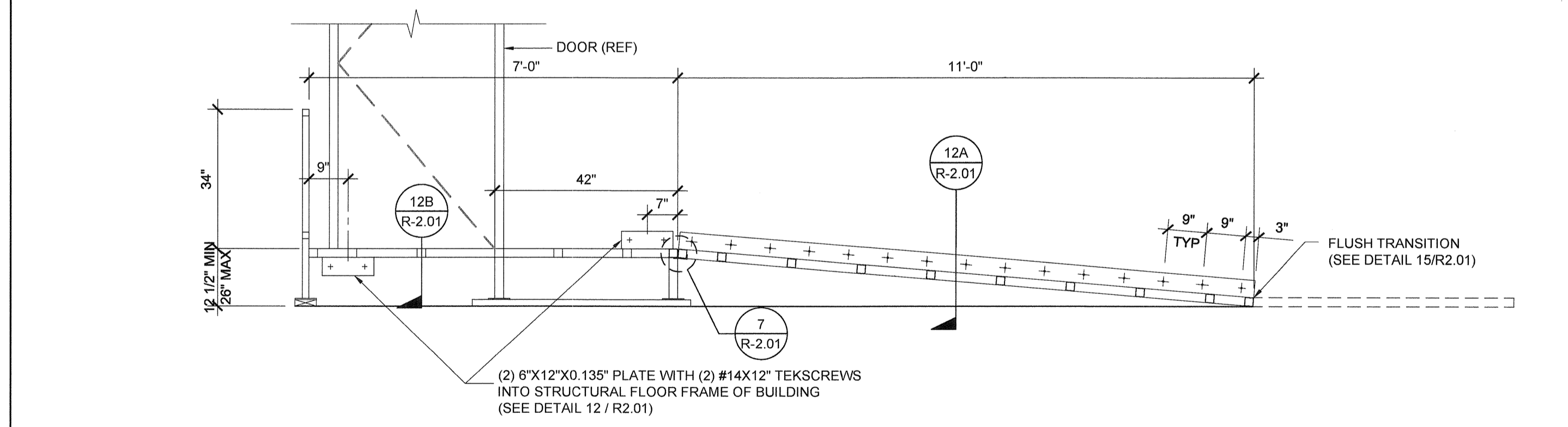
RAMP FRAMING PLAN

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



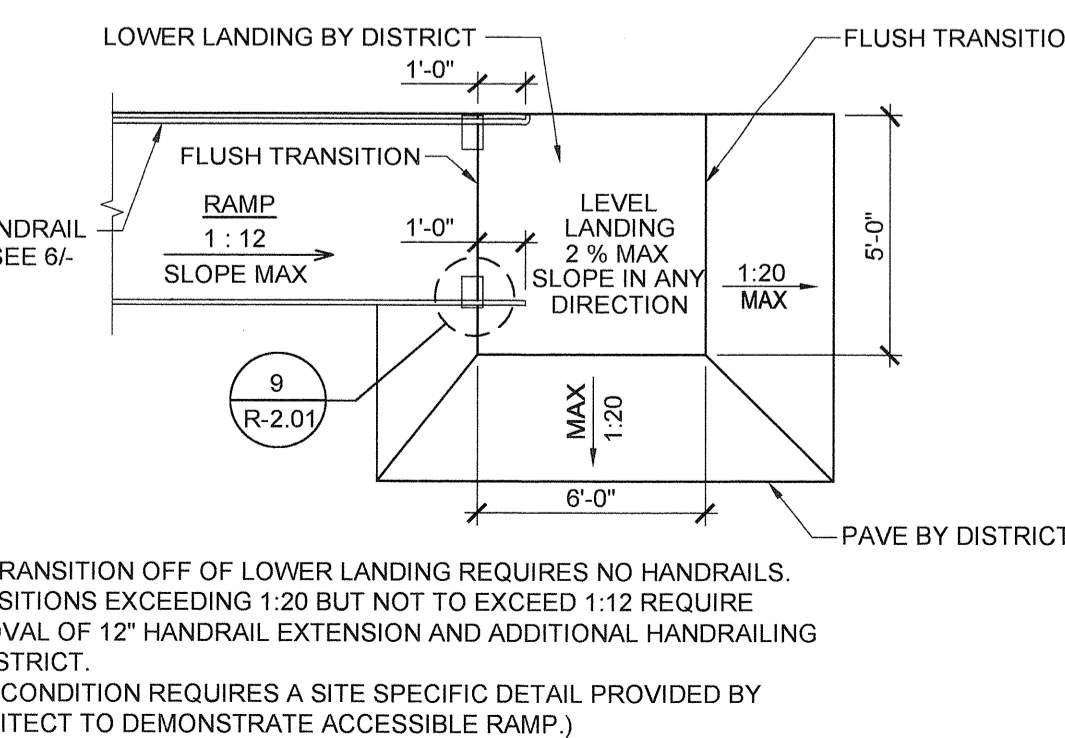
LANDING ELEVATION

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



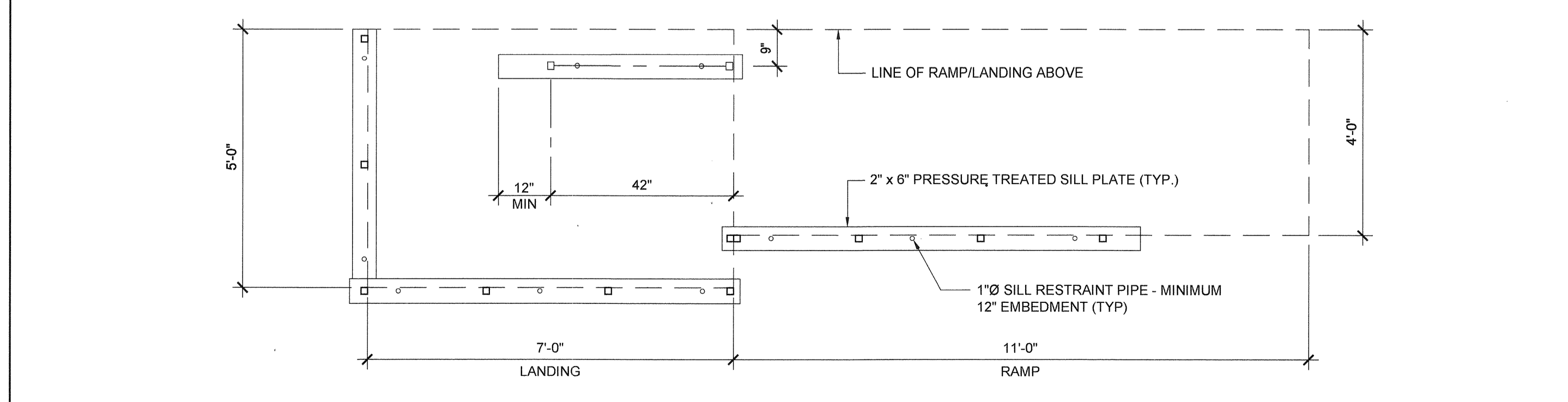
SECTION AT RAMP AND LANDING

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



RAMP TRANSITION

SCALE: NTS



SILL PLAN FOR RAMP AND LANDING

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

NOTE:
 1. 1:20 TRANSITION OFF OF LOWER LANDING REQUIRES NO HANDRAILS.
 2. TRANSITIONS EXCEEDING 1:20 BUT NOT TO EXCEED 1:12 REQUIRE REMOVAL OF 12" HANDRAIL EXTENSION AND ADDITIONAL HANDRAILING BY DISTRICT.
 (THIS CONDITION REQUIRES A SITE SPECIFIC DETAIL PROVIDED BY ARCHITECT TO DEMONSTRATE ACCESSIBLE RAMP.)

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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:
**LIBERTY UHSD
 LIBERTY HIGH SCHOOL
 (1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**STANDARD RAMP
 PLAN**



ARCHITECT OF RECORD
 SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT
 1.60 WATER PROOFING APPLICATION
 1.60 WATER PROOFING APPLICATION
 1.60 WATER PROOFING APPLICATION

FILE NUMBER: 33-SILVER
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 04 - 116720 INCR: 0
 AC_RM_FLN_DS_SSR KER
 DATE: 08/22/2018

REVISIONS

NO.	DATE	DESCRIPTION

SILVER CREEK INDUSTRIES
 12' x 40' PC

PROJECT NO: 11183
 DRAWN BY:
 SCALE: AS NOTED
 DATE: 10-12-2017

P.C. SHEET NUMBER
R-1.01

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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:
**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:
**OFFSET RAMP
PLAN**



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

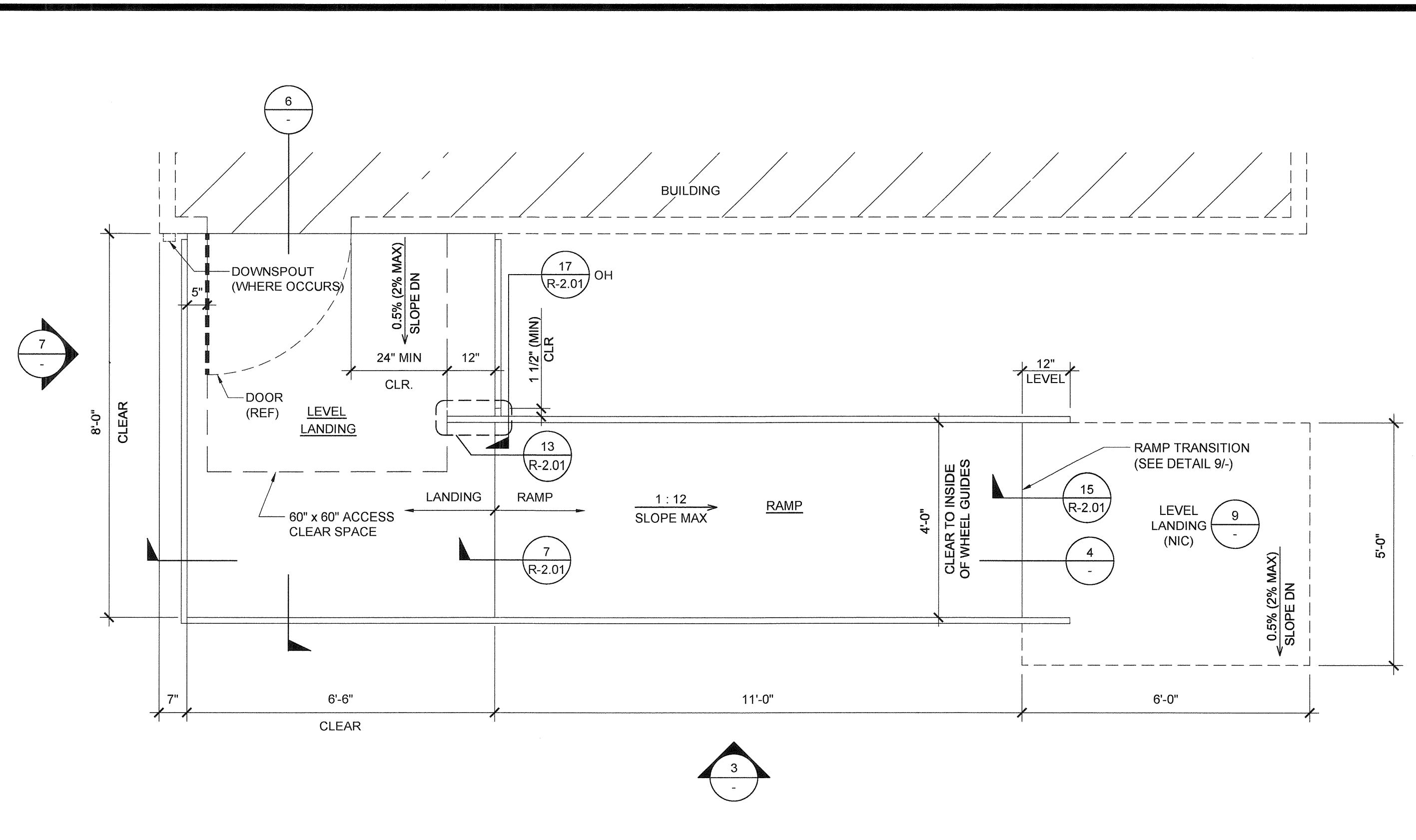
ORIGINAL PC STATE AGENCY APPROVAL

PRE-CHECK (PC) DOCUMENT CODE: 2018-CR-1 PERMITTED BY ARCHITECT & ENGINEER FOR CONSTRUCTION OF THIS PROJECT	FILE NUMBER: 33-SILVER
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	04 - 116720 INCR: 0
	AC_RM_FLS_DS_SSR_KER DATE: 08/22/2018

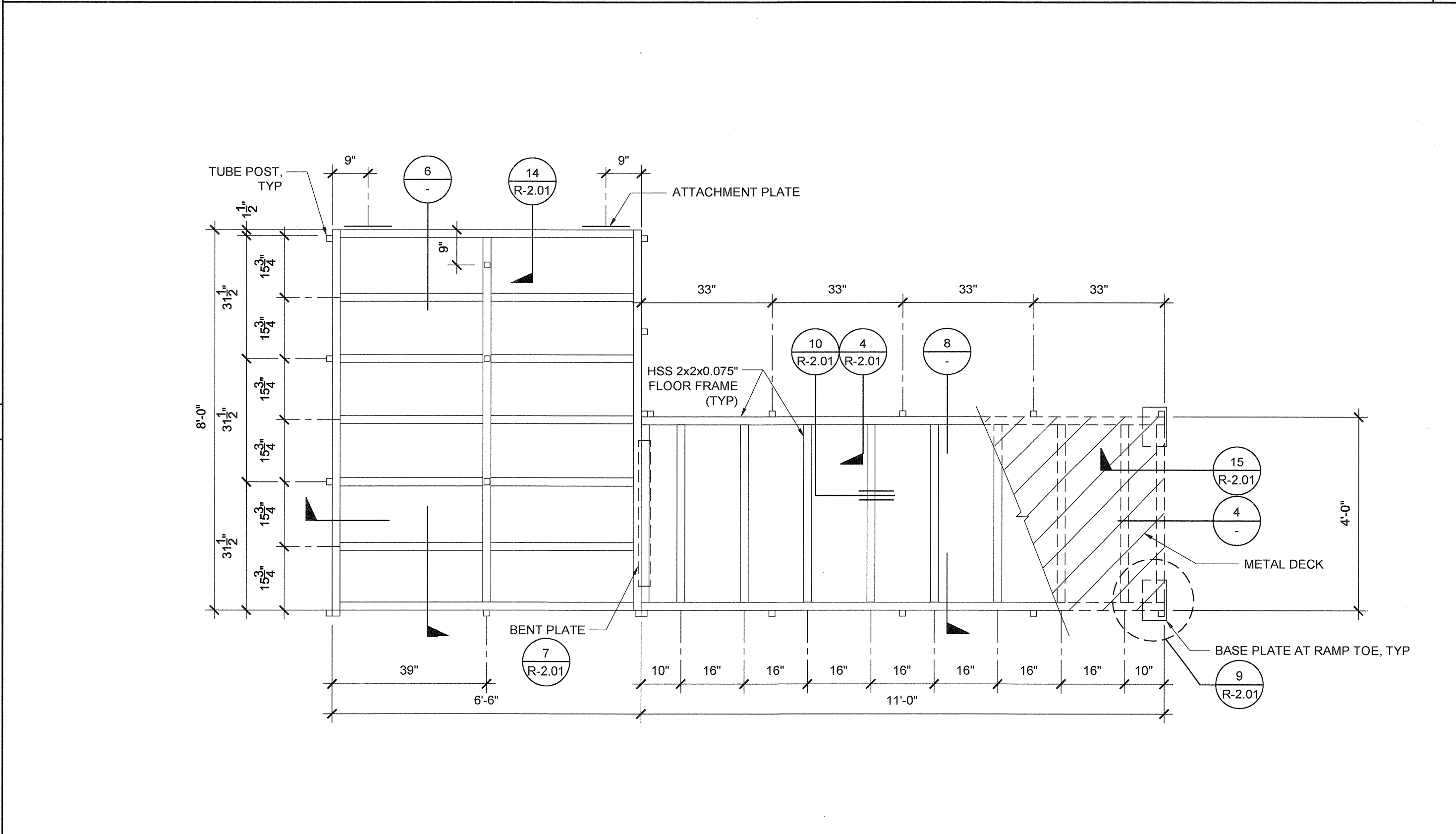
REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC
PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017
P.C. SHEET NUMBER

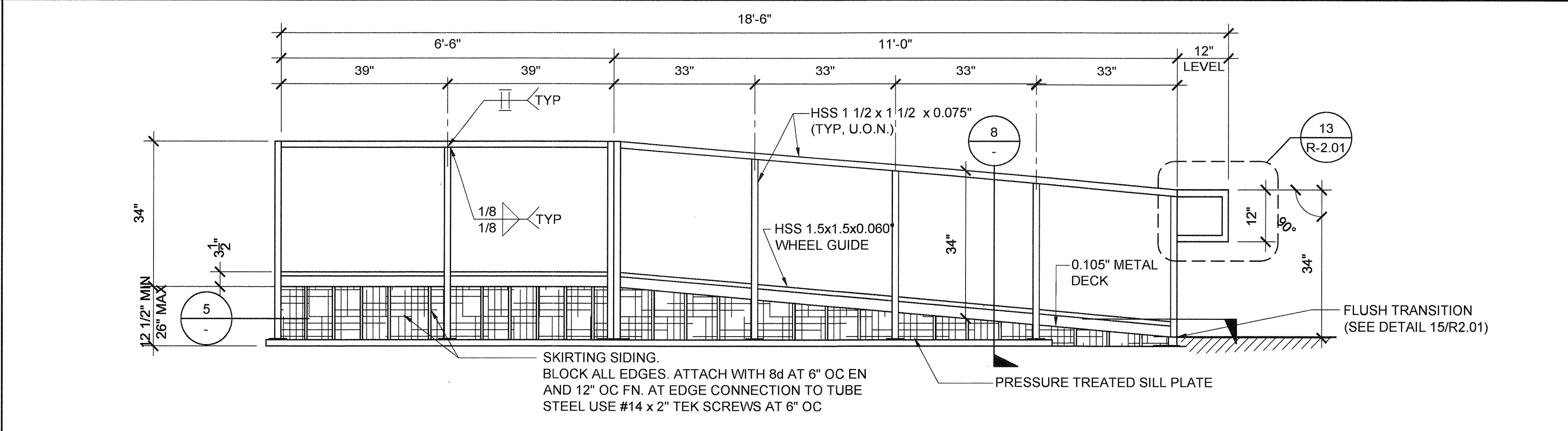
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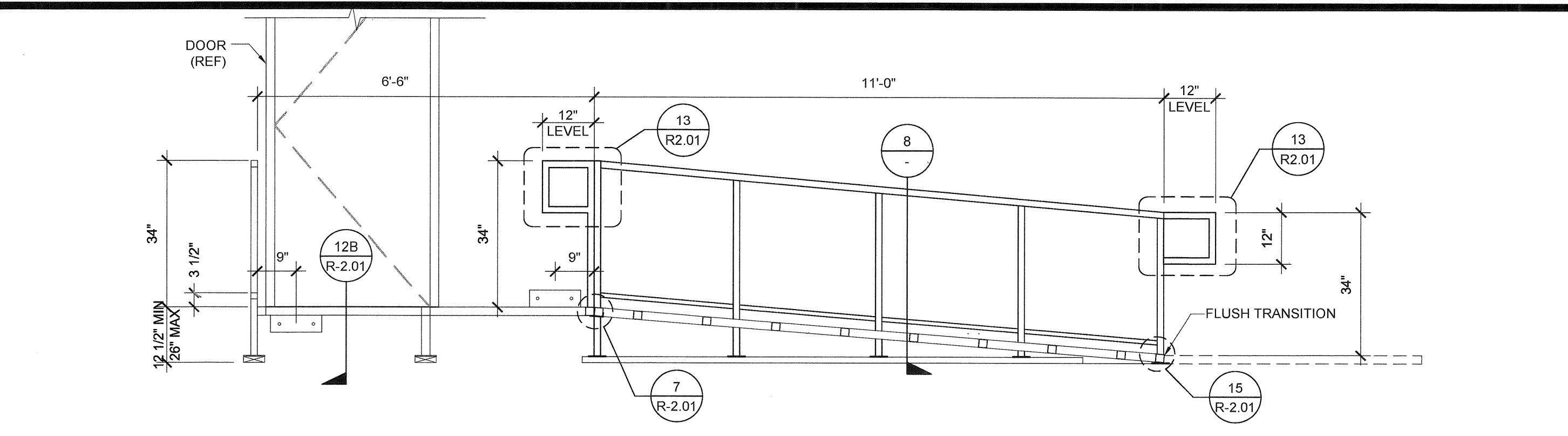
RAMP AND LANDING AT BUILDING SCALE: 1/2" = 1'-0" 1



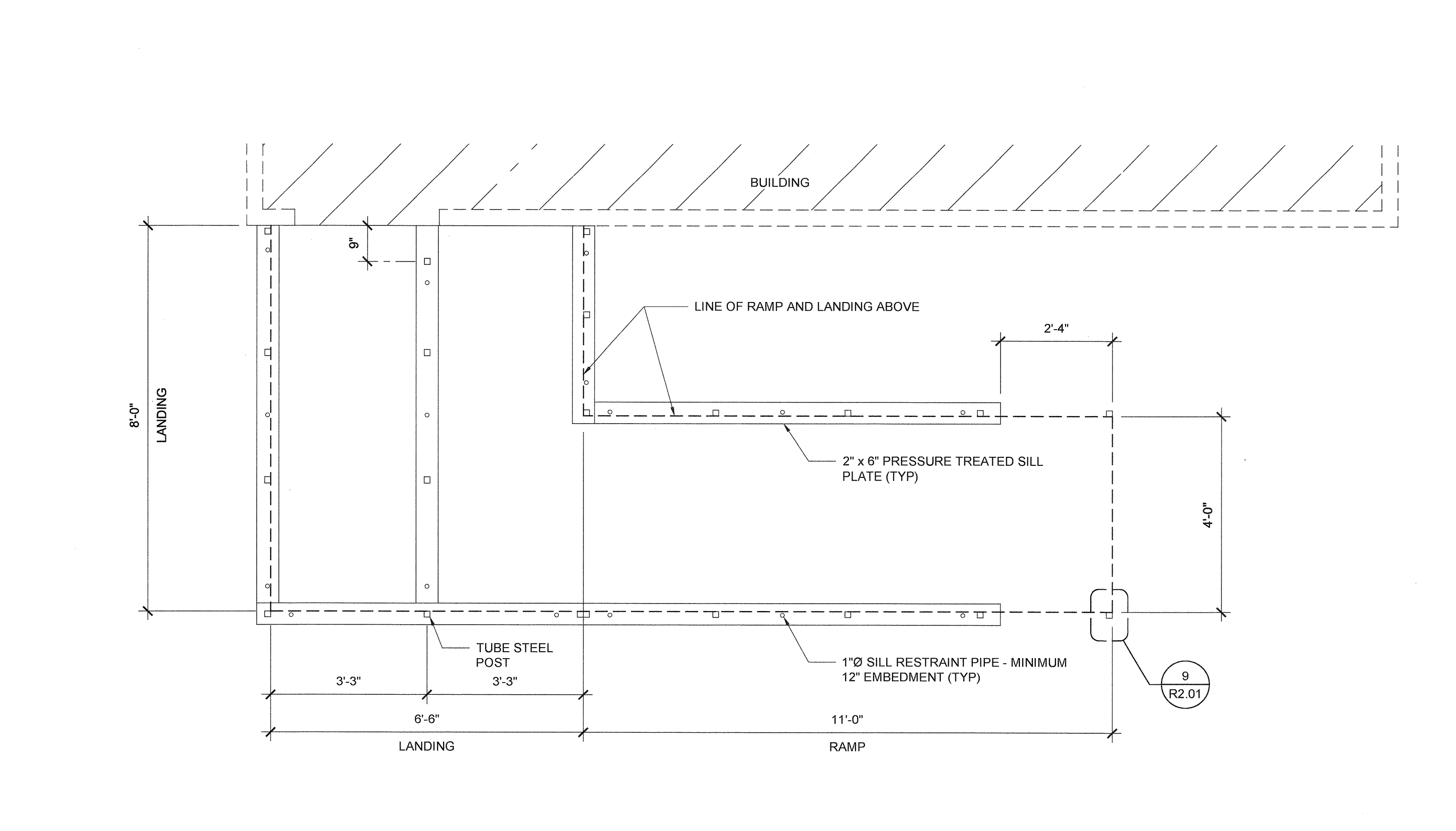
RAMP FRAMING PLAN SCALE: 1/2" = 1'-0" 2



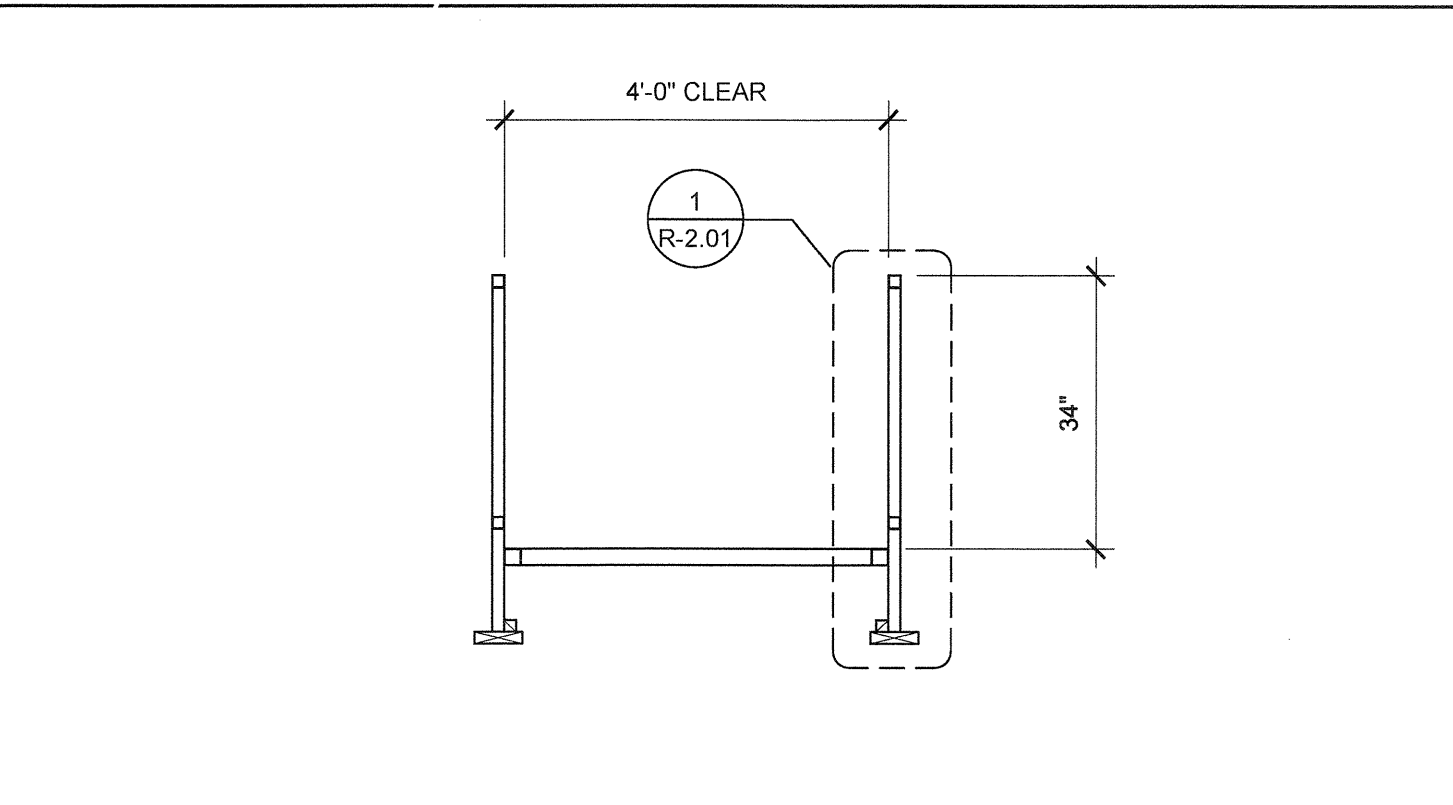
RAMP AND LANDING ELEVATION SCALE: 1/2" = 1'-0" 3



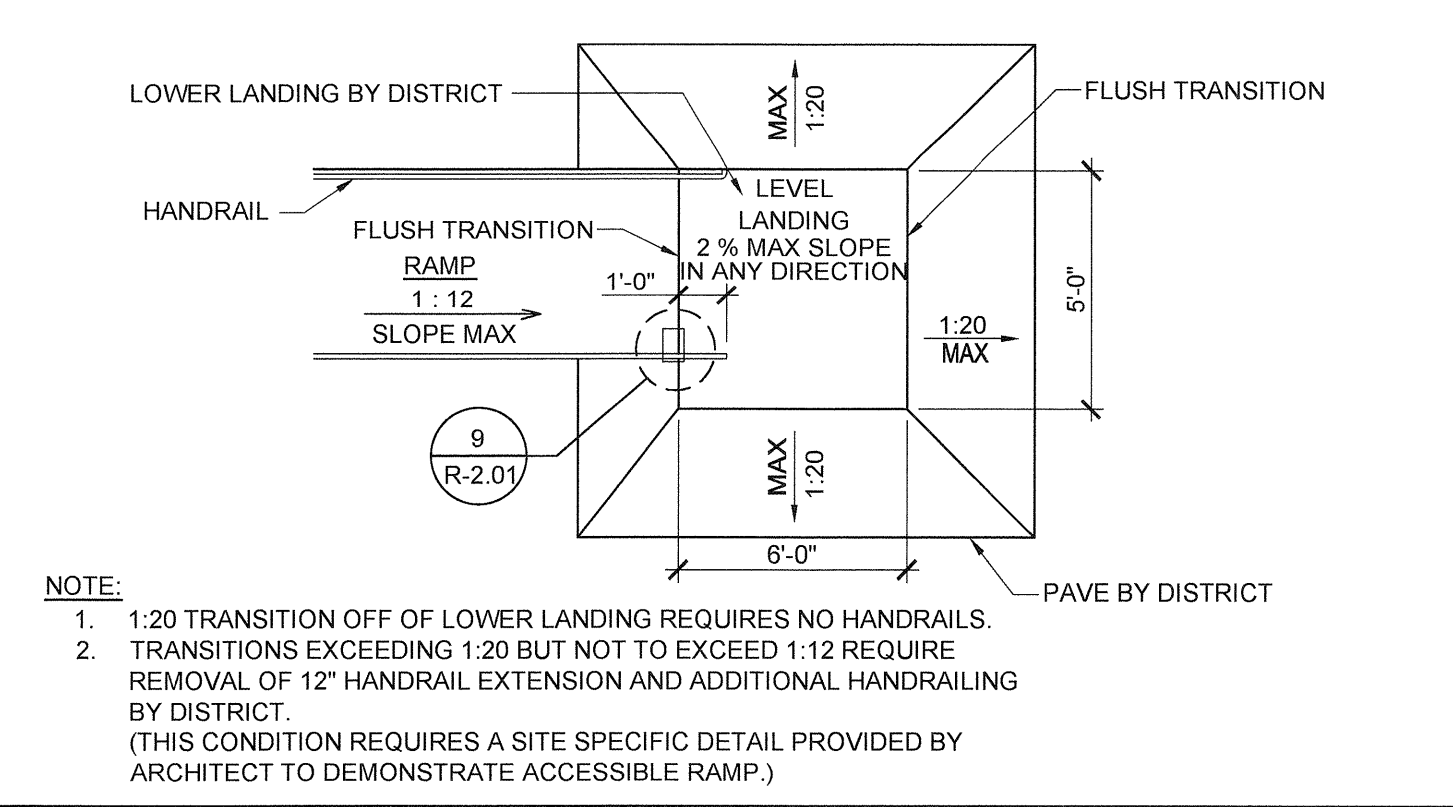
SECTION AT RAMP AND LANDING SCALE: 1/2" = 1'-0" 4



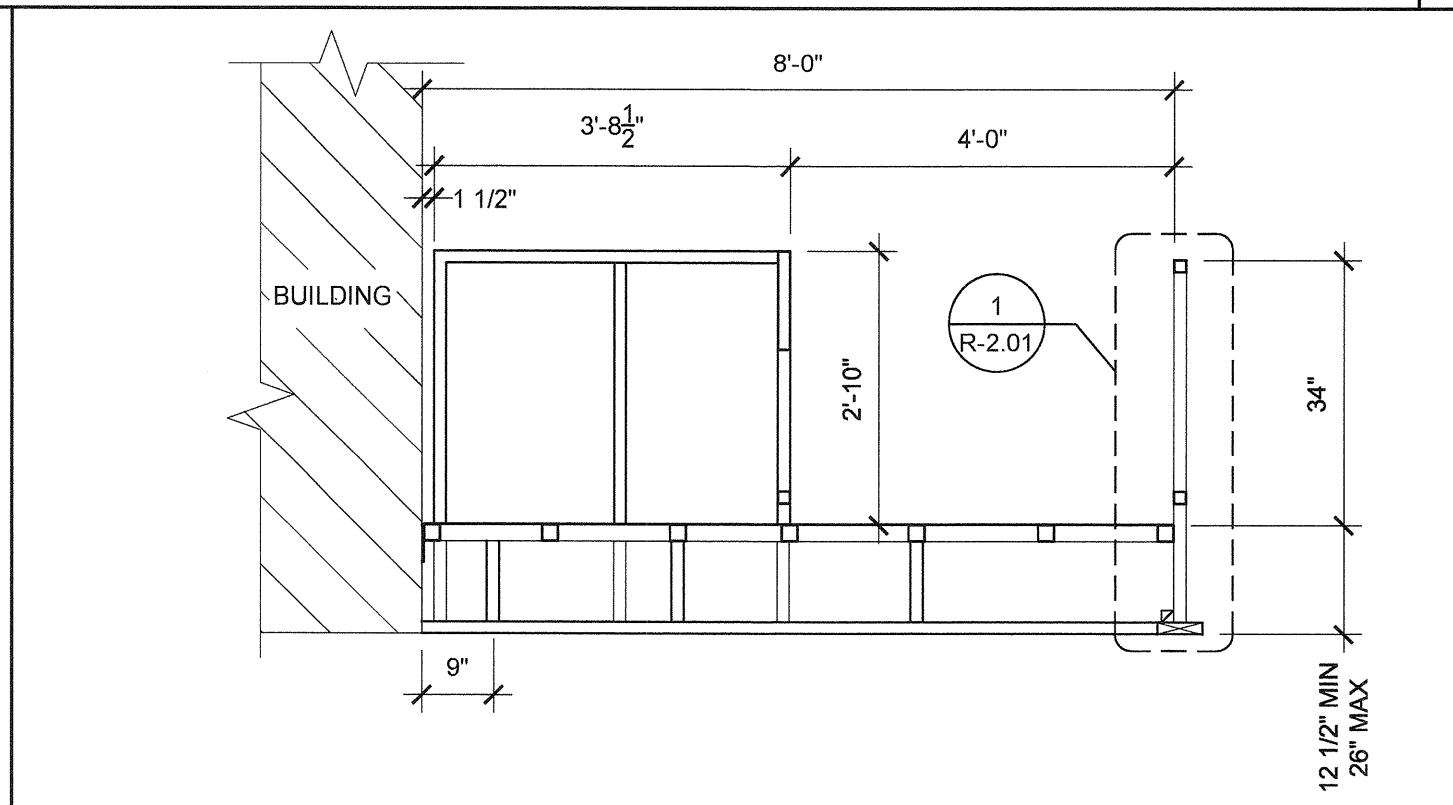
SILL PLAN FOR RAMP AND LANDING SCALE: 1/2" = 1'-0" 5



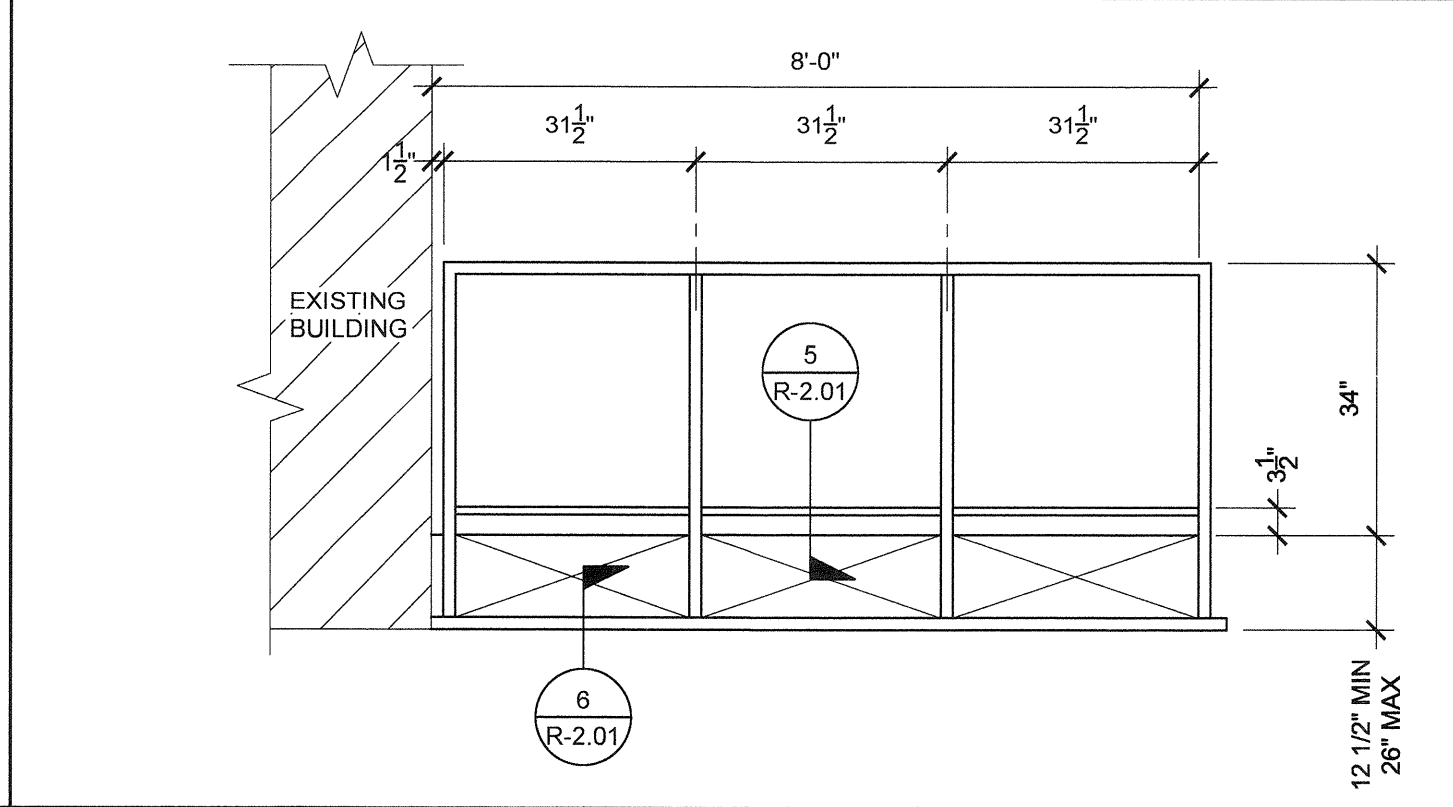
SECTION AT RAMP SCALE: 1/2" = 1'-0" 8



RAMP TRANSITION SCALE: NTS 9



SECTION AT LANDING SCALE: 1/2" = 1'-0" 6



LANDING ELEVATION SCALE: 1/2" = 1'-0" 7

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SILVER CREEK

Building for the Next Generation

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

PROJECT NAME:

**LIBERTY UHSD
LIBERTY HIGH SCHOOL
(1) 12' x 40' TOILET BLDG**

SHEET TITLE:

RAMP DETAILS



ARCHITECT OF RECORD
SUBMISSION DATE

PROJECT SPECIFIC STATE AGENCY APPROVAL

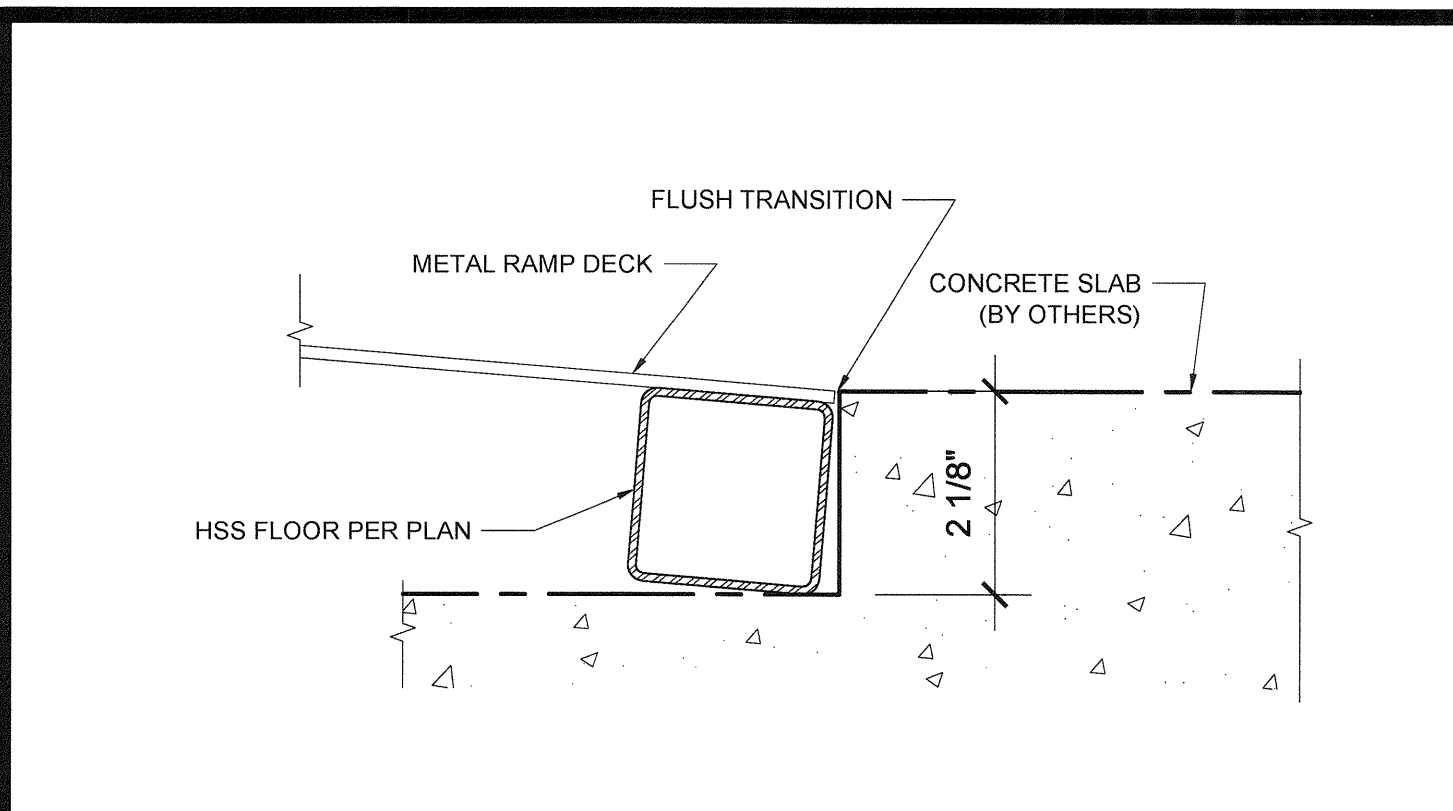
ORIGINAL PC STATE AGENCY APPROVAL

<p>PRE-CHECK DOCUMENT A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED</p>	FILE NUMBER: 33-SILVER
	IDENTIFICATION STAMP
	DIVISION OF THE STATE ARCHITECT 04 - 116720 INCR: 0
	AC_RM_FLS_DS_SSR_KER DATE: 08/22/2018

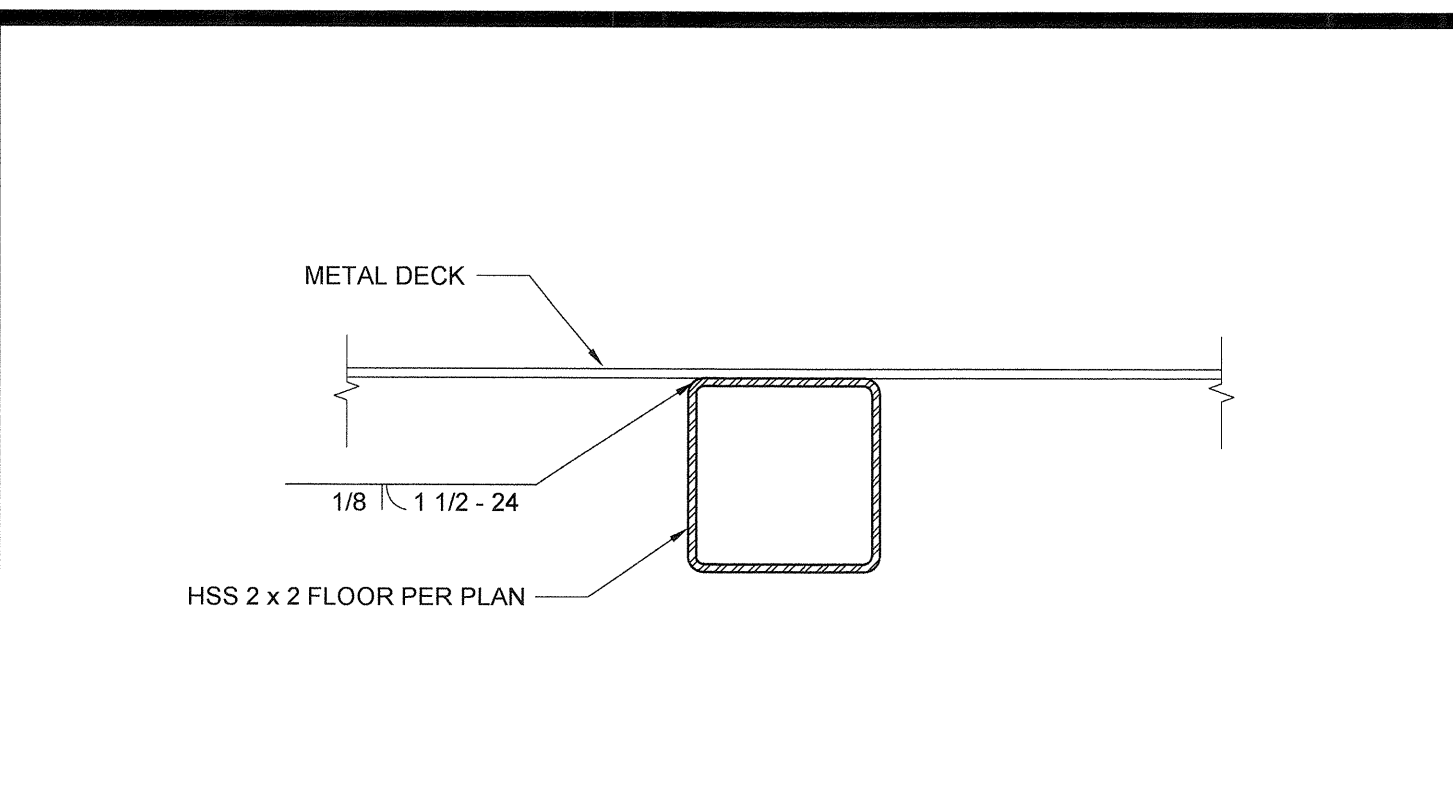
REVISIONS

SILVER CREEK INDUSTRIES
12' x 40' PC
PROJECT NO: 11183
DRAWN BY:
SCALE: AS NOTED
DATE: 10-12-2017
P.C. SHEET NUMBER

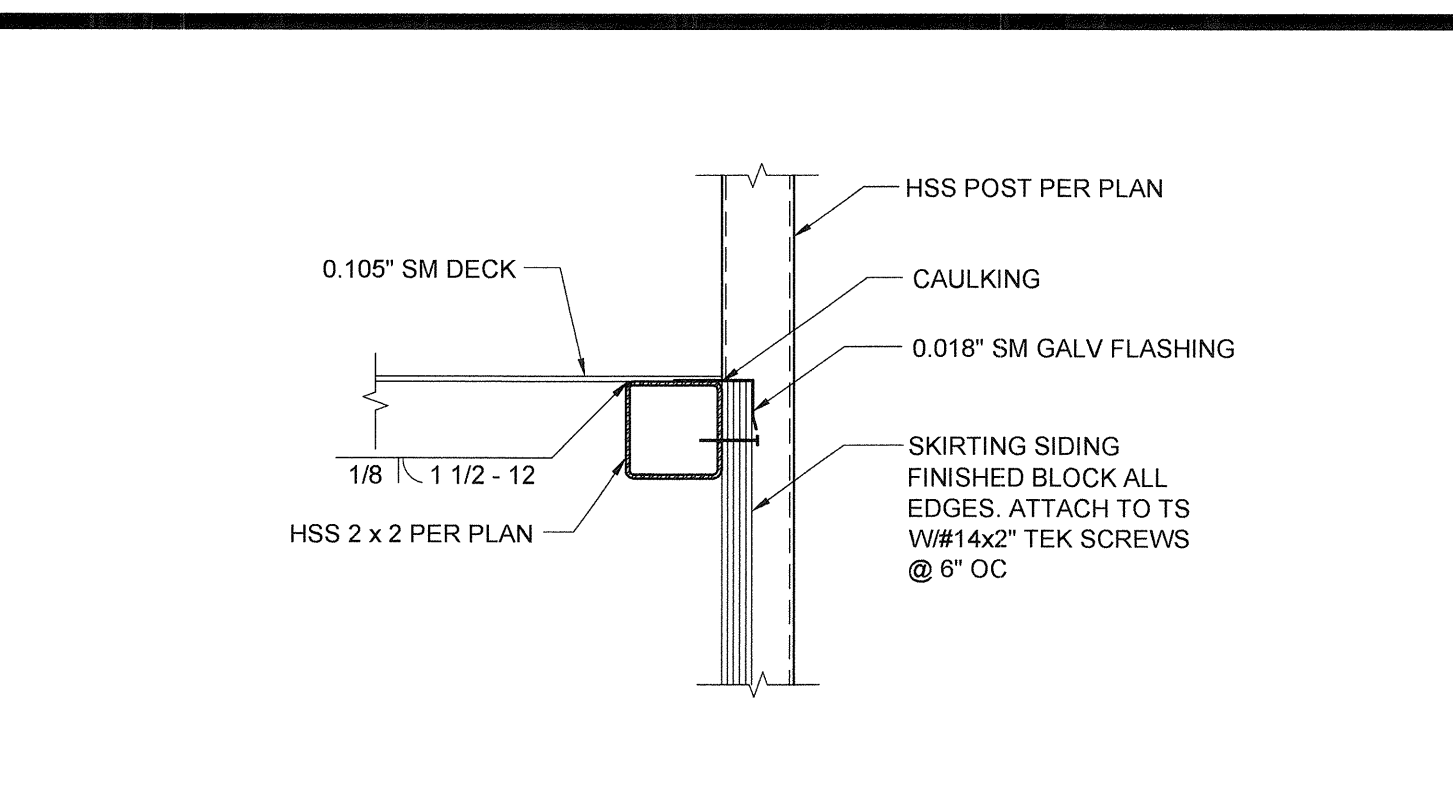
R-2.01



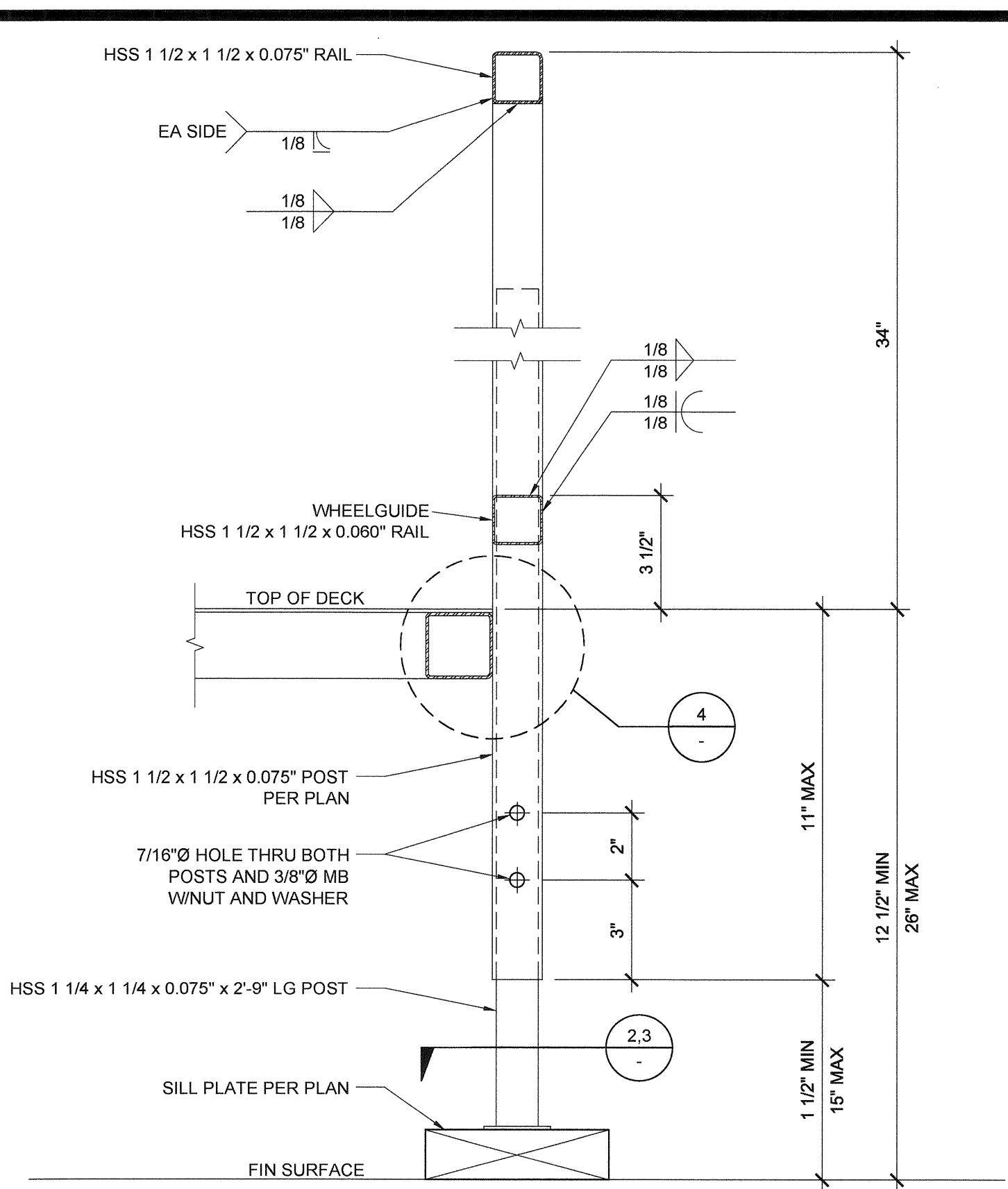
FLUSH TRANSITION AT BOTTOM OF RAMP SCALE: 6" = 1'-0" 15



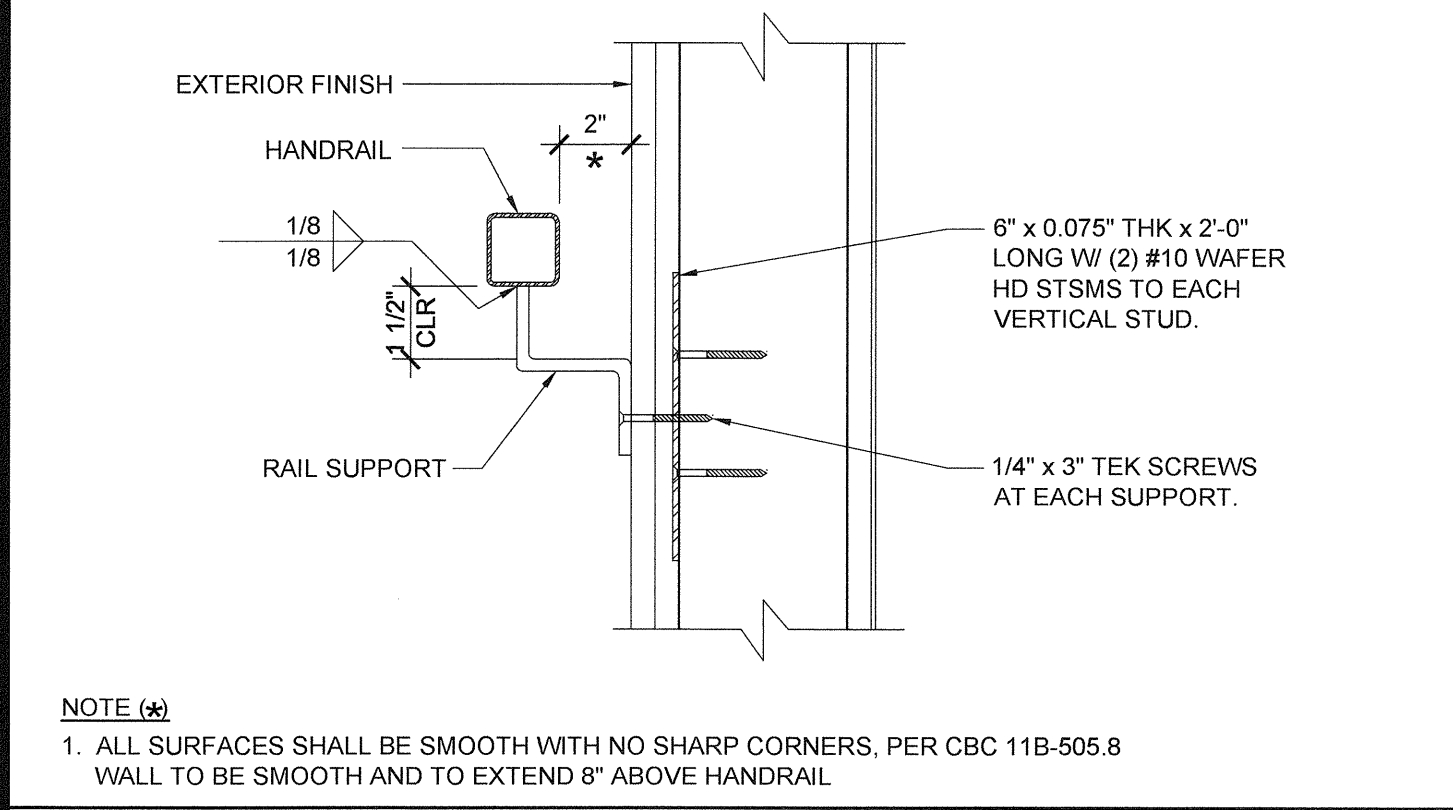
DECK TO FRAME SCALE: 6" = 1'-0" 10



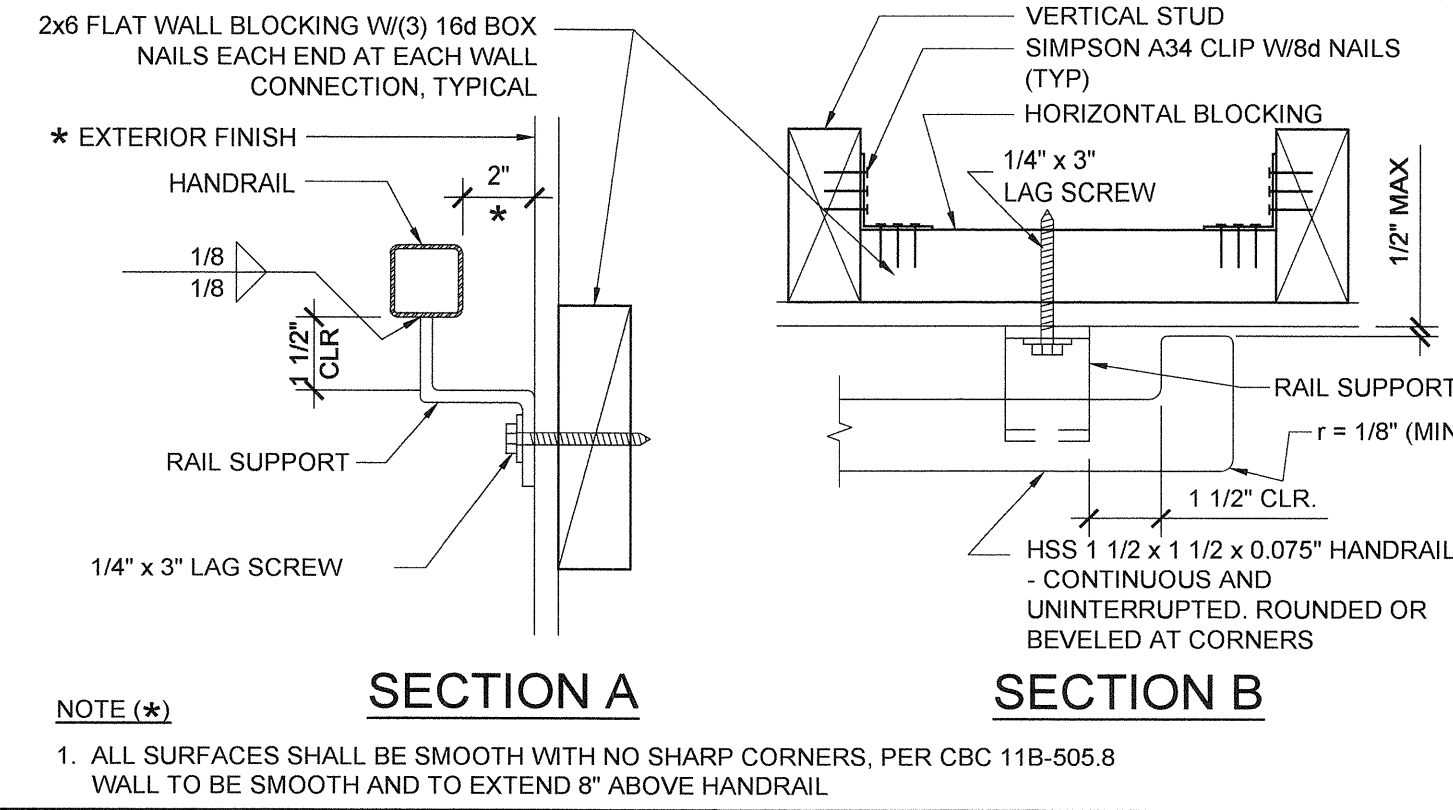
SKIRT FLASHING SCALE: 3" = 1'-0" 5



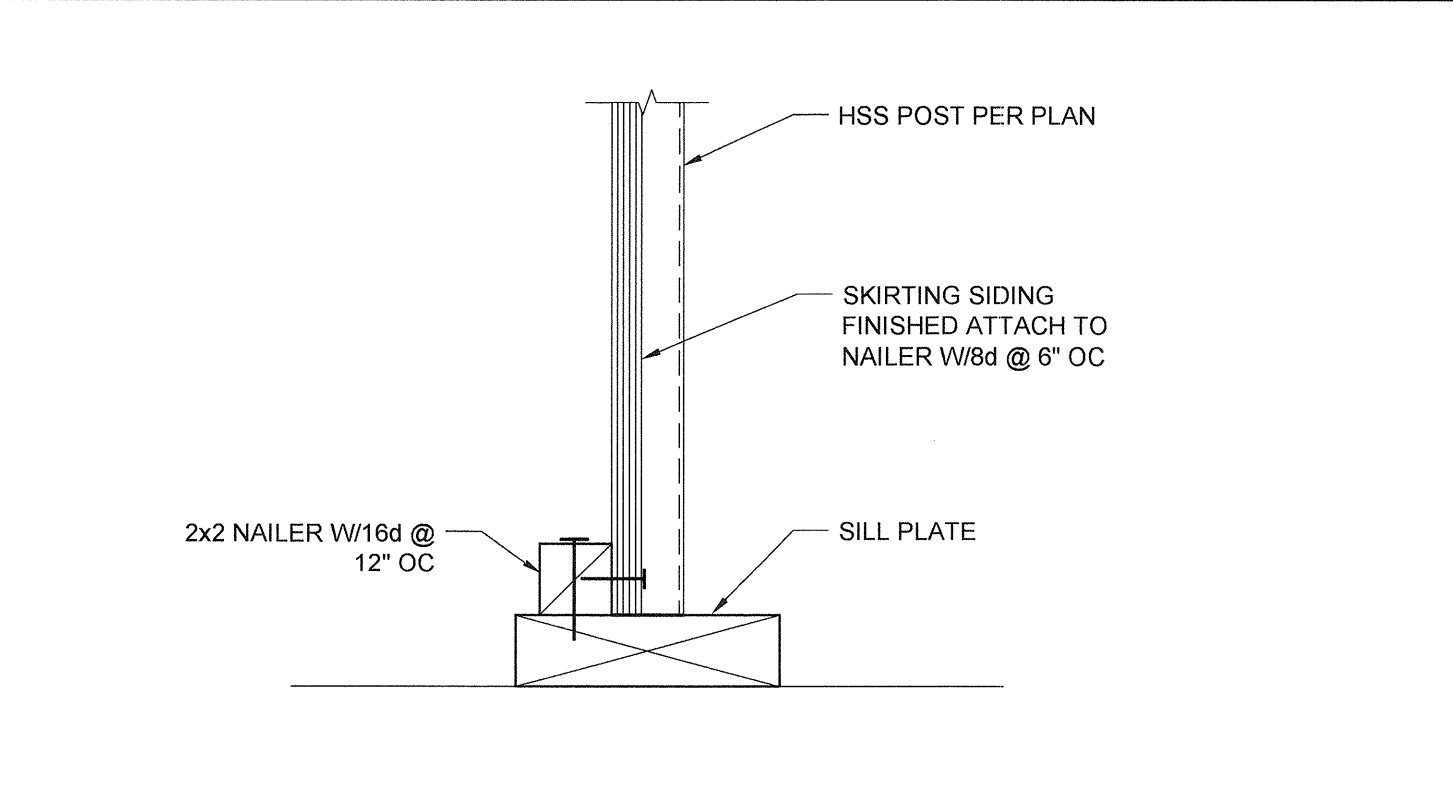
ADJUSTABLE LEG SCALE: 3" = 1'-0" 1



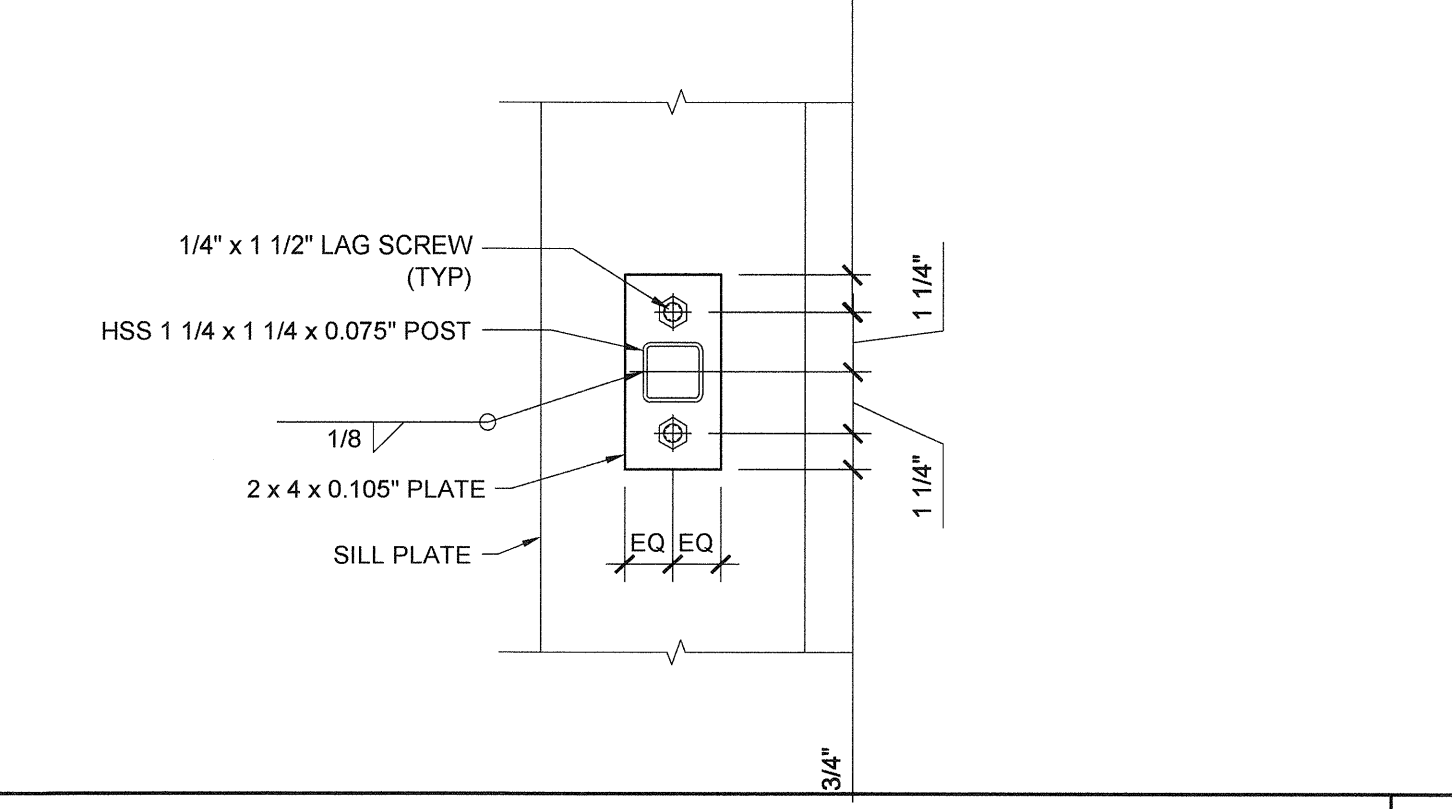
HANDRAIL CONNECTION AT SHEETMETAL BLKG SCALE: 3" = 1'-0" 16



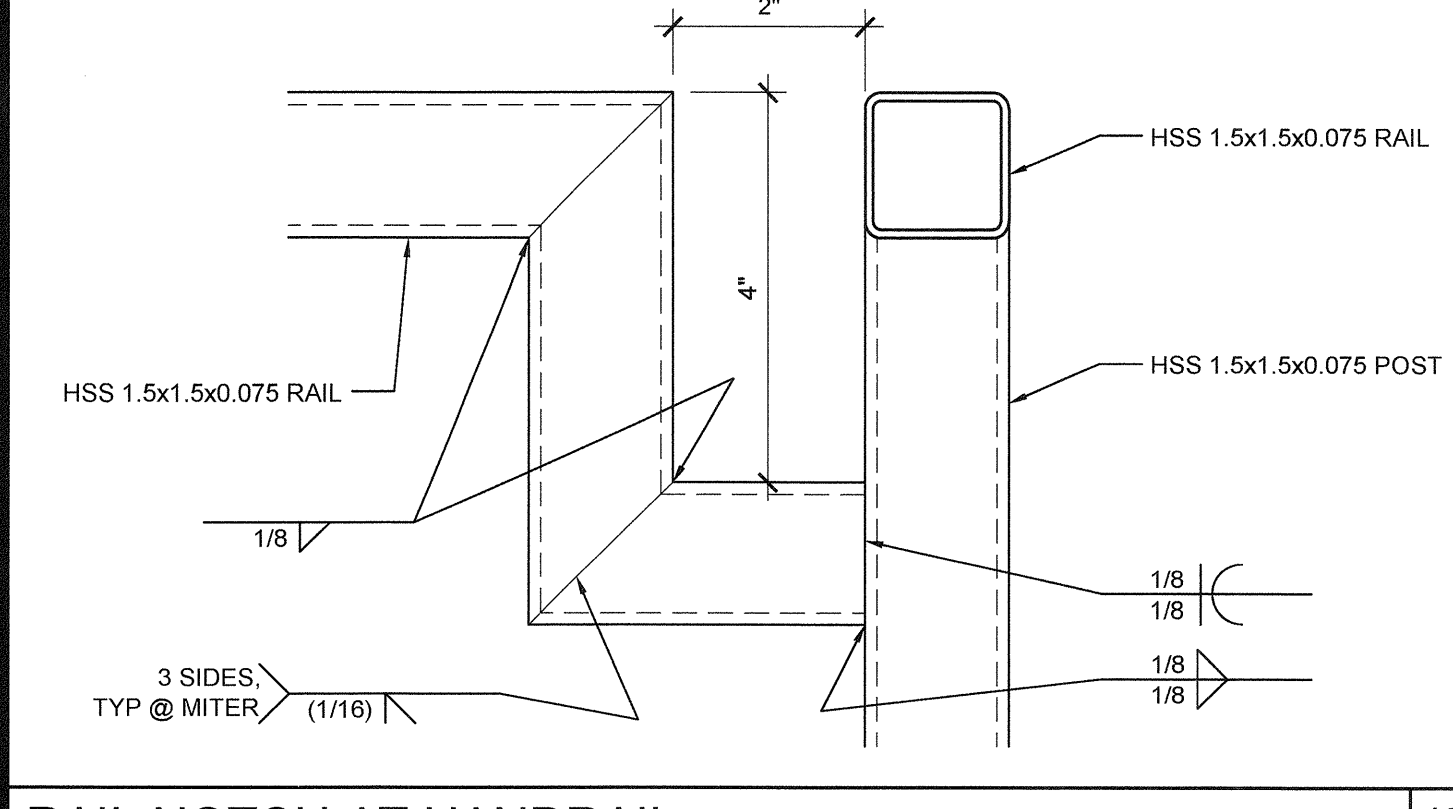
HANDRAIL CONNECTION AT WOOD BLOCKING SCALE: 3" = 1'-0" 11



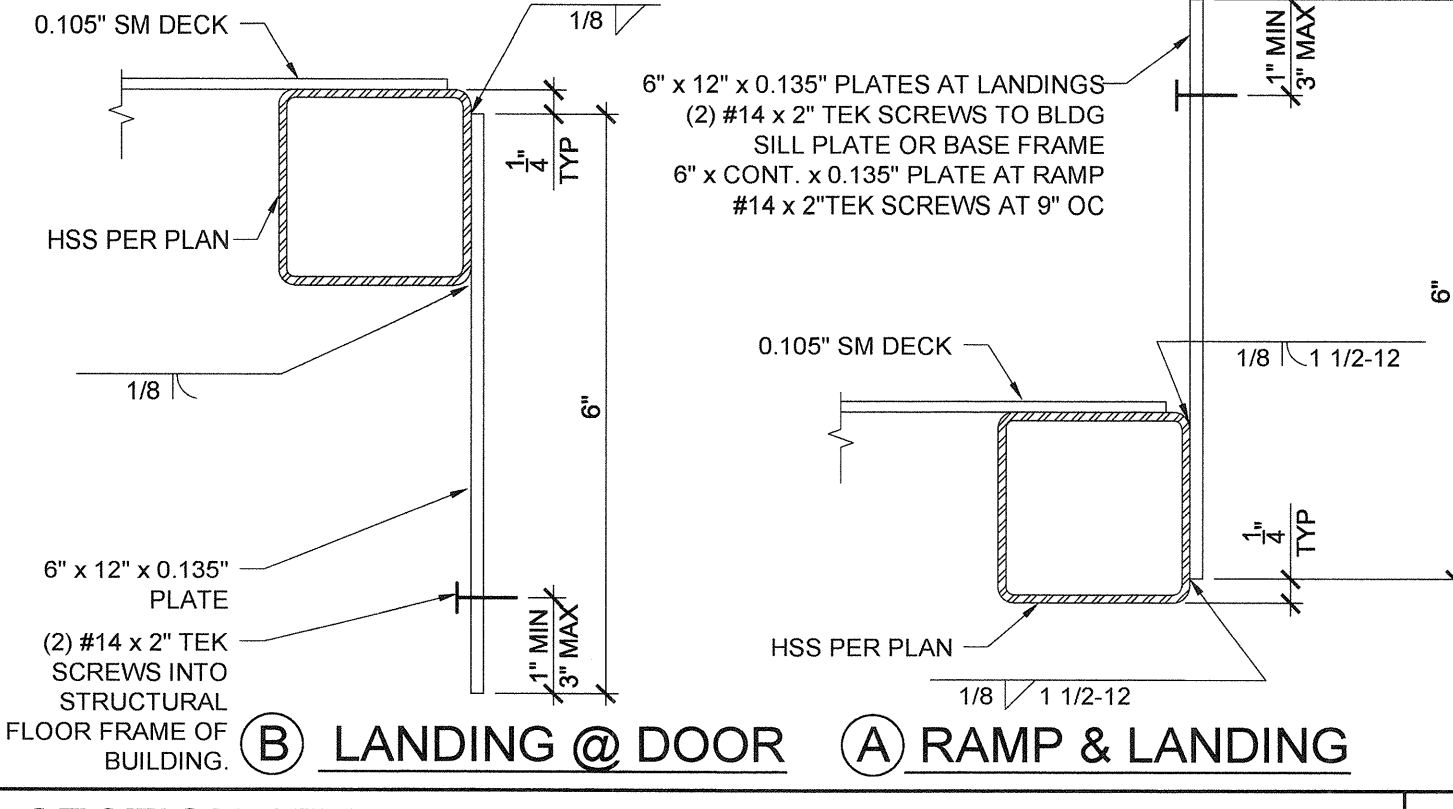
SKIRT FLASHING AT SILL PLATE SCALE: 3" = 1'-0" 6



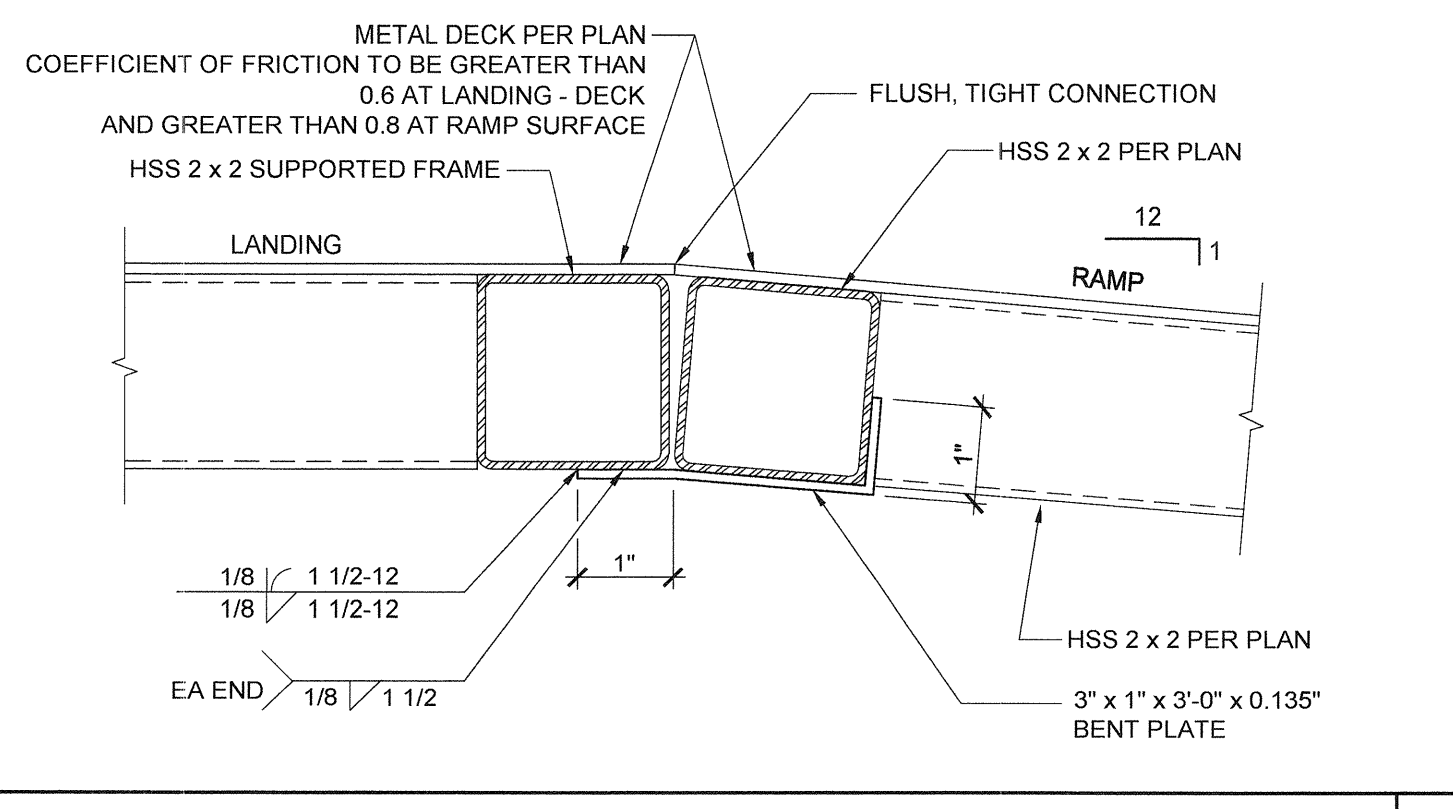
ADJUSTABLE LEG BASE PLATE SCALE: 3" = 1'-0" 2



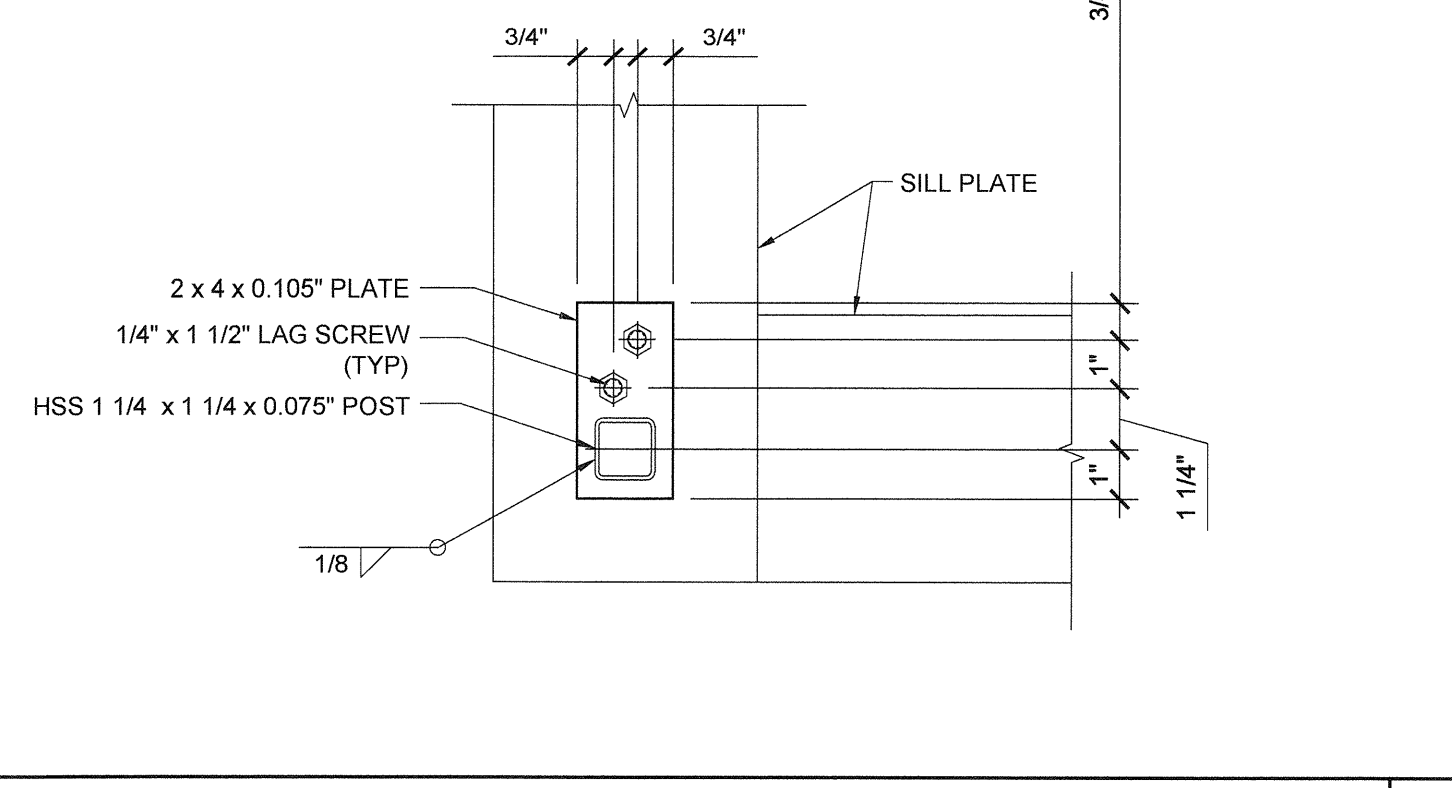
RAIL NOTCH AT HANDRAIL SCALE: 6" = 1'-0" 17



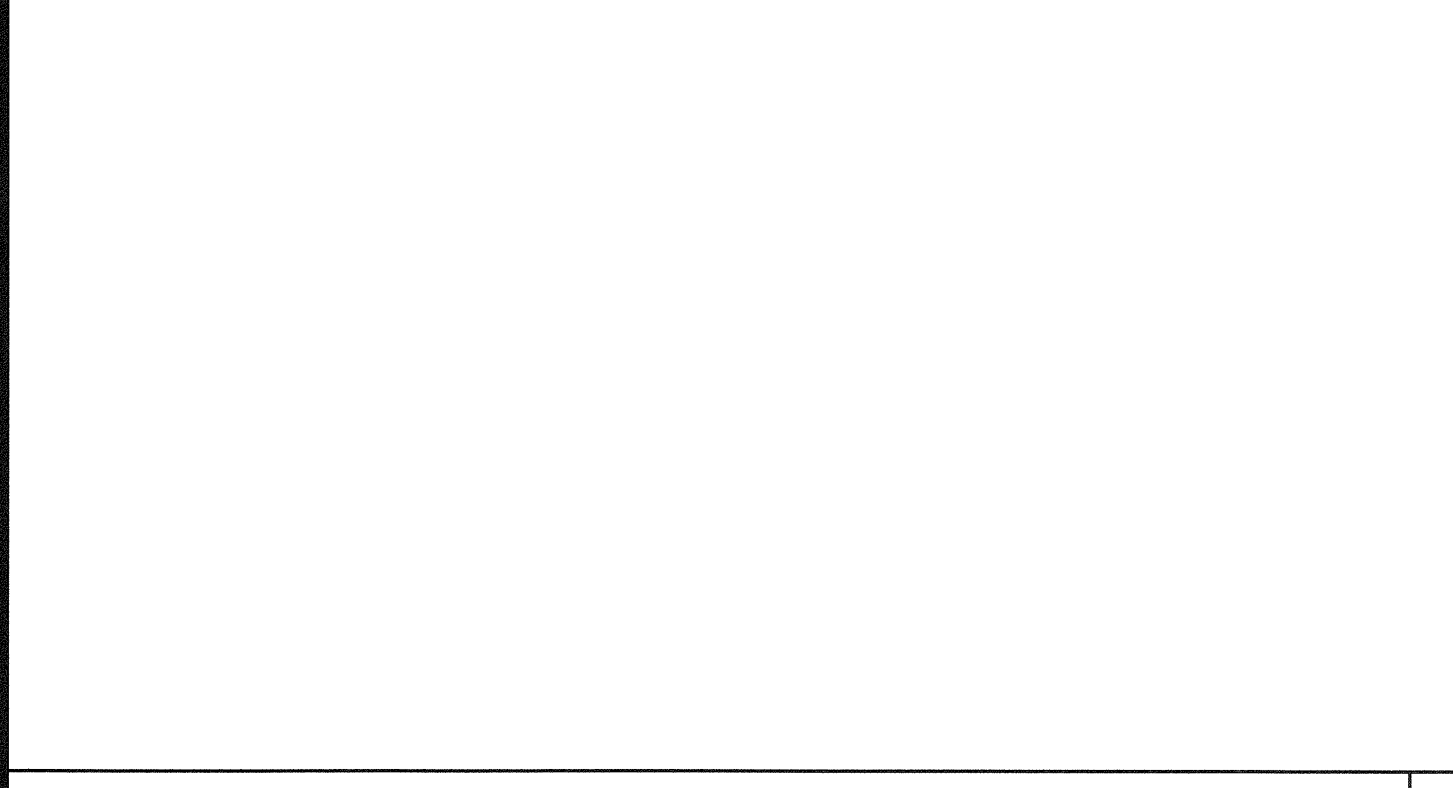
SECTION AT PLATE SCALE: 6" = 1'-0" 12



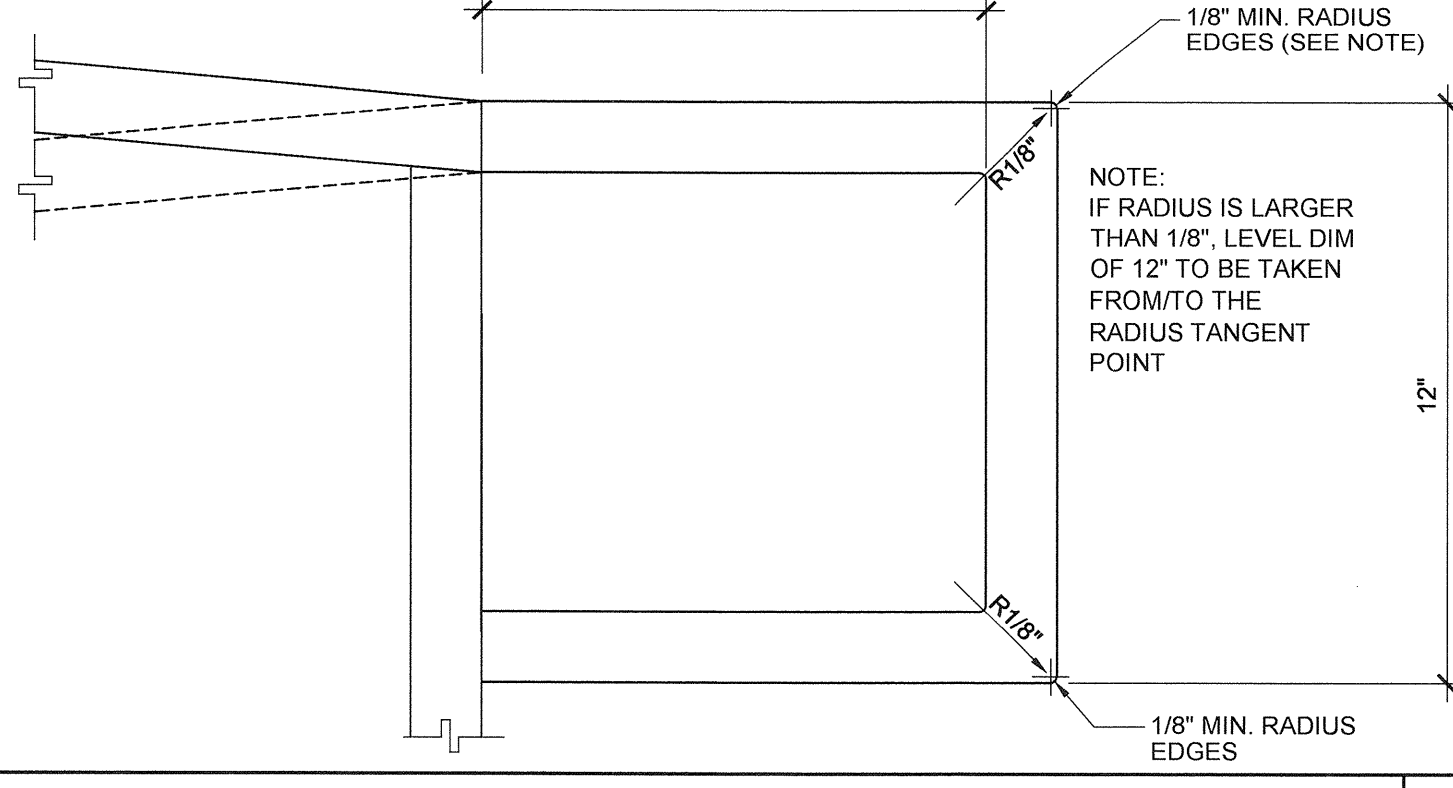
RAMP AT LANDING SCALE: 6" = 1'-0" 7



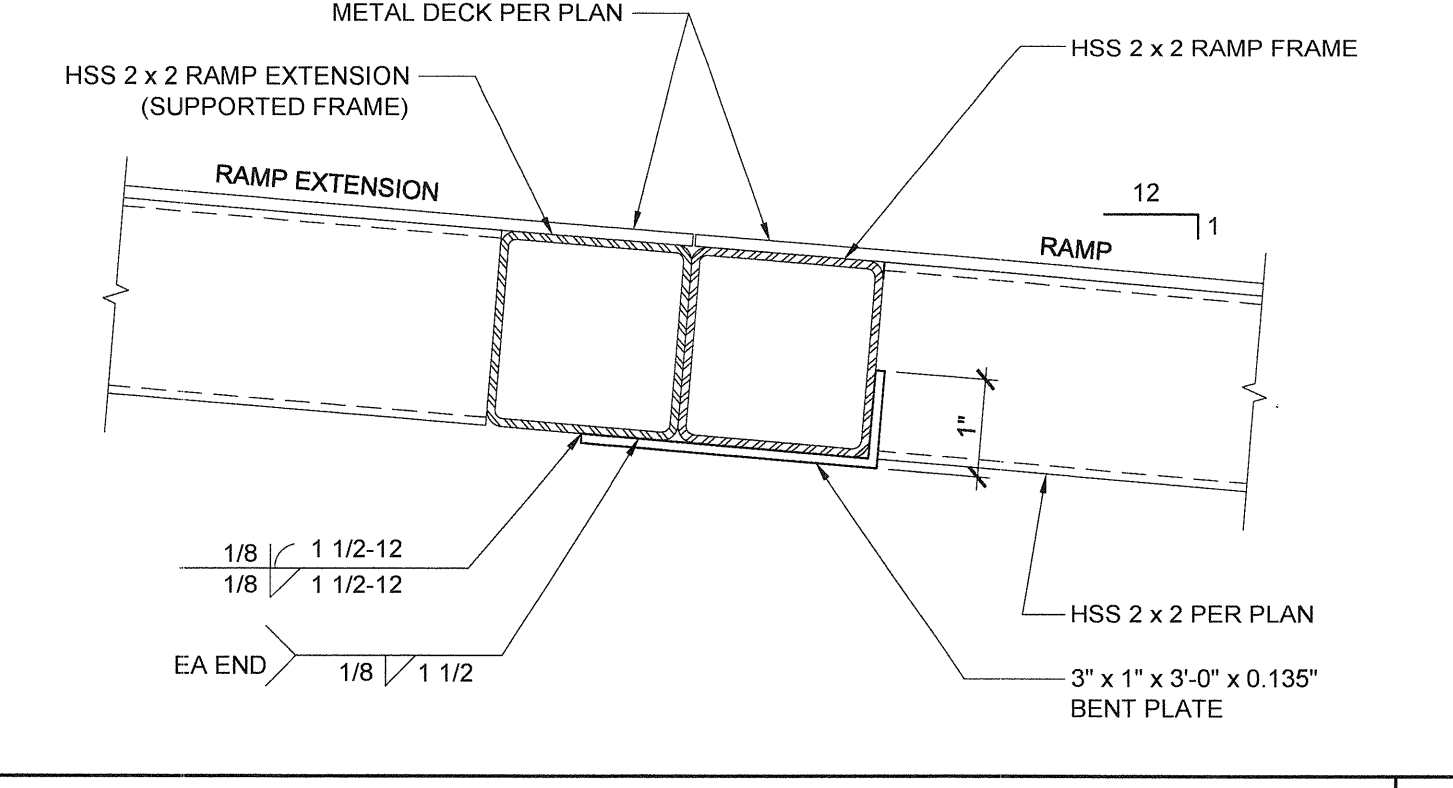
ADJUSTABLE LEG BASE PLATE SCALE: 3" = 1'-0" 3



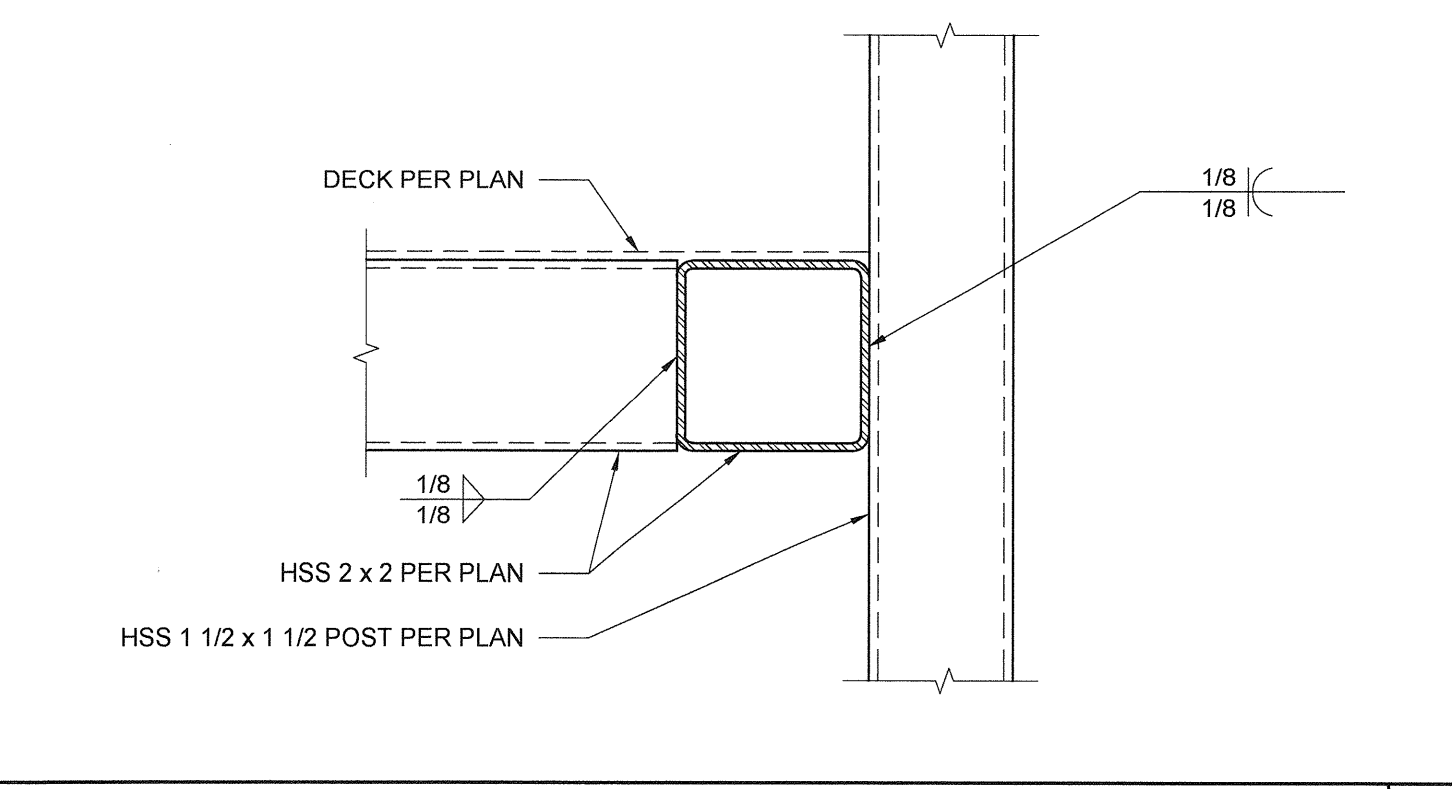
EXTEND HANDRAIL @ TOP OR BOTT. ENDS SCALE: 3" = 1'-0" 13



RAMP EXTENSION SCALE: 6" = 1'-0" 8



BASE PLATE AT RAMP TOE SCALE: 3" = 1'-0" 9



GUARDRAIL POST ATTACHMENT SCALE: 6" = 1'-0" 4



INTERIOR LANDING LEG SECTION SCALE: 3" = 1'-0" 14