



## **NOTICE TO BIDDERS**

### **ADDENDUM #5**

#### **Bid 103-22 Athletics Stadiums Re-bid Project**

#### **Palomar Community College District**

The following changes, additions, deletions, clarifications, or corrections shall become part of the Bid & Contract Documents for the above listed project. This Addendum #5 forms a part of the contract document and modifies the original bidding documents. Acknowledge receipt of Addendum #5 in the space provided on the bid form. Failure to do so may subject bidder to disqualification.

#### **ADDITIONAL DOCUMENTS – Separate attachments**

- Bleacher Drawings: Included as part of Addendum #5 is the DSA Submittal set of plans of the football stadium bleacher system as provided by Southern Bleacher Company as part of their Design/Build contract direct with Palomar College. The bleacher scope of work is an Owner Furnished Owner Installed (OFOI) scope of work. The plans are being provided **FOR REFERENCE ONLY** as the General Contractor will need to coordinate with Southern Bleacher Company on schedule, laydown area and the adjacent General Contractor scope of work."

#### **REQUESTS FOR INFORMATION - QUESTIONS AND RESPONSES**

- (1) QUESTION: The Palomar web site has several links to files that look to be duplicates. It would be helpful if the College would remove duplicate files so we don't have to read every file just to figure out they are duplicates or what has changed. As an example; there are 4 links on the College site for project documents. The first is "**Bid 103-22 Athletics Stadiums Re-bid Project**". In it is the "Bid Documents for BID#". Another link "**Documents, Plans, Specs, etc.**" has addendum 1 through 4 and the ReBid document that is also located in the first link. Please clarify which ReBid documents takes precedence. In the same link "**Documents, Plans, Specs, etc.**" are addenda 1 through 4 and in the link "**Addendums**" looks like the same files. Please clarify are these duplicated and which ones take precedence. In the link "**Bid 103-22 OCIP**" is the OCIP document. In the "**Documents, Plans, Specs, etc.**" link there is an OCIP document and in the "**Addendums**" link there are several OCIP documents. Please clarify which OCIP document takes precedence.

*RESPONSE: There are multiple locations where duplicate documents can be found. All documents, exclusive of this Addendum #5, can be found in the link titled "Documents, Plans, Specs, etc."*

- (2) QUESTION: The Information for Bidders document, item #5 "Documents to be included in the bidders Bid" is different than the list of documents on the bid form that must be submitted with the bid, page 66. Please clarify which list is correct.

*RESPONSE: The list of bid documents that is stated on page 66 is a correct listing of the required documents to be submitted with each bid. All the forms listed are*

*included as part of the "103-22-Athletic-Stadiums-ReBid-Documents-1.pdf" file EXCEPT for the "List of Construction of Athletic fields/venues". The List of Construction of Athletic fields/venues can be in a format of the bidders choosing such as Word or a pdf, etc.*

- (3) QUESTION: Per the Demolition plans, we are removing the existing Tennis Courts in their entirety. Are the existing concrete courts "Post Tension" slab system?

*RESPONSE: No, the existing tennis courts are not a "Post Tension" slab system.*

- (4) QUESTION: We have been prequalified We have been prequalified by the district, but I also wanted to ensure there are no other special considerations, qualifying information, or additional items required of and by the GC for this specific project. Can you advise on this matter?

*RESPONSE: To be considered prequalified to bid on this re-bid project, your company must be qualified for projects with an advertised value above \$10M. Any bid submitted by a Bidder who is not prequalified for projects valued at \$21M and over shall be considered a non-responsive bid. If ECG would like to increase the prequal limit, please submit Audited Financials to Allen Young to increase your prequalified limit, the due date is May 16, 2022 by 4:30 pm.*

- (5) QUESTION: Do the subcontractors listed by the Prime Bidder have to be pre-qualified as well?

*RESPONSE: No, only the Prime Bidder*

**END OF ADDENDUM #5**

Date Issued: May 17, 2022

*Richard J Taylor*

Richard J Taylor (May 17, 2022 07:39 PDT)

Richard Taylor, Interim Director Business Services  
Palomar Community College District






# Addendum 5 - Bid 103-22 Athletics Stadium Re-bid

Final Audit Report

2022-05-17

Created:	2022-05-17
By:	Debbi Claypool (dclaypool@palomar.edu)
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## "Addendum 5 - Bid 103-22 Athletics Stadium Re-bid" History

-  Document created by Debbi Claypool (dclaypool@palomar.edu)  
2022-05-17 - 1:50:34 AM GMT- IP address: 205.153.156.222
-  Document emailed to Richard J Taylor (rtaylor1@palomar.edu) for signature  
2022-05-17 - 1:51:07 AM GMT
-  Email viewed by Richard J Taylor (rtaylor1@palomar.edu)  
2022-05-17 - 2:39:16 PM GMT- IP address: 104.47.57.126
-  Document e-signed by Richard J Taylor (rtaylor1@palomar.edu)  
Signature Date: 2022-05-17 - 2:39:46 PM GMT - Time Source: server- IP address: 73.189.143.230
-  Agreement completed.  
2022-05-17 - 2:39:46 PM GMT

# PALOMAR COMMUNITY COLLEGE

## PALOMAR COMMUNITY COLLEGE DISTRICT

### SAN MARCOS, CALIFORNIA

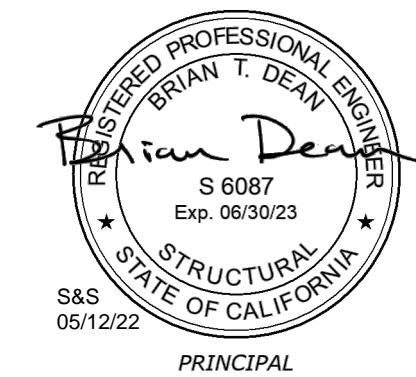
SHEET TITLE	SHEET NUMBER	SHEET TITLE	SHEET NUMBER
COVER PAGE	B1	<b><u>VISITOR</u></b>	
GENERAL NOTES	B2	FOOTING LAYOUT	B23
<b><u>HOME</u></b>		ENLARGED EXIT FOOTING LAYOUTS	B24
FOOTING LAYOUT	B3	PIER DETAILS	B25
ENLARGED EXIT FOOTING LAYOUTS	B4	PIER DETAILS	B26
PIER DETAILS	B5	UNDERSTRUCTURE LAYOUT	B27
PIER DETAILS	B6	ELEVATION VIEWS	B27.1
UNDERSTRUCTURE LAYOUT	B7	ENLARGED EXIT UNDERSTRUCTURE LAYOUTS	B28
ENLARGED EXIT UNDERSTRUCTURE LAYOUTS	B8	SECTION VIEWS	B29
ELEVATION VIEWS	B9	SECTION VIEWS	B30
ELEVATION VIEWS	B9.1	SIGHT LINES	B30.1
ELEVATION VIEWS	B9.2	SEATING LAYOUT	B31
SECTION VIEWS	B10	ENLARGED EXIT LAYOUTS	B32
SECTION VIEWS	B11	LEFT EXIT SECTIONS	B33
SECTION VIEWS	B12	RIGHT EXIT SECTIONS	B34
SECTION VIEWS	B13	SEAT BRACKET LAYOUT	B35
SECTION VIEWS	B13.1	PRESS BOX LAYOUT	B36
SECTION VIEWS	B14	PRESS BOX FRAMING PLAN	B37
SIGHT LINES	B15	PRESS BOX ROOF HATCH DETAILS	B38
SEATING LAYOUT	B16	PRESS BOX DETAILS	B39
ENLARGED EXIT LAYOUTS	B17	PRESS BOX DETAILS	B40
PORTAL RAMP SECTIONS	B18	PRESS BOX CEILING DETAILS	B41
PORTAL RAMP SECTIONS	B19	<b><u>HOME &amp; VISITOR</u></b>	
EXIT STAIR SECTIONS	B20	PLANK DETAILS	B42
EXIT SECTIONS	B21	PLANK DETAILS	B42.1
SEAT BRACKET LAYOUT	B22	EXIT DETAILS	B43
		EXIT DETAILS	B43.1
		EXIT DETAILS	B44
		GRANDSTAND DETAILS	B45
		GRANDSTAND DETAILS	B46
		GRANDSTAND DETAILS	B47

**HOME**

GENERAL INFORMATION	
RISE:	12" & 14"
TREAD:	26"
ROWS:	22
LENGTH:	227'-0"
SEAT COUNT:	2338

**VISITOR**

GENERAL INFORMATION	
RISE:	8" & 12"
TREAD:	26"
ROWS:	11
LENGTH:	210'-0"
SEAT COUNT:	1316



**BLEACHER COMPANY**

GRANDSTANDS ■ BLEACHERS ■ STADIUMS

PO Box One, Graham, Texas 76450  
801 Fifth Street.

Phone: 940/549-0733 Fax: 940/549-1365

Established 1946

DATE: 05/05/22  
JOB #21369  
PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA



GENERAL REQUIREMENTS:

- 1. CONFLICTS: NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER THE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
2. CODES: ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2, 2019 CALIFORNIA BUILDING CODE (CBC).
3. 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.
4. EXCAVATIONS: OWNER TO LOCATE AND PROTECT UNDERGROUND OR CONCEALED CONDUIT, PUMPING OR OTHER UTILITIES WHERE NEW WORK IS BEING PERFORMED.

DESIGN CRITERIA

- 1. DEAD LOADS: BLEACHERS (INCLUDES GIRDERS)..... 10 PSF
2. LIVE LOADS: LIVE LOAD..... 100 PSF (UNREDUCIBLE)
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.

- DEAD LOADS: FLOOR..... 15 PSF, ROOF..... 15 PSF
LIVE LOADS: FLOOR/ROOF..... 100 PSF

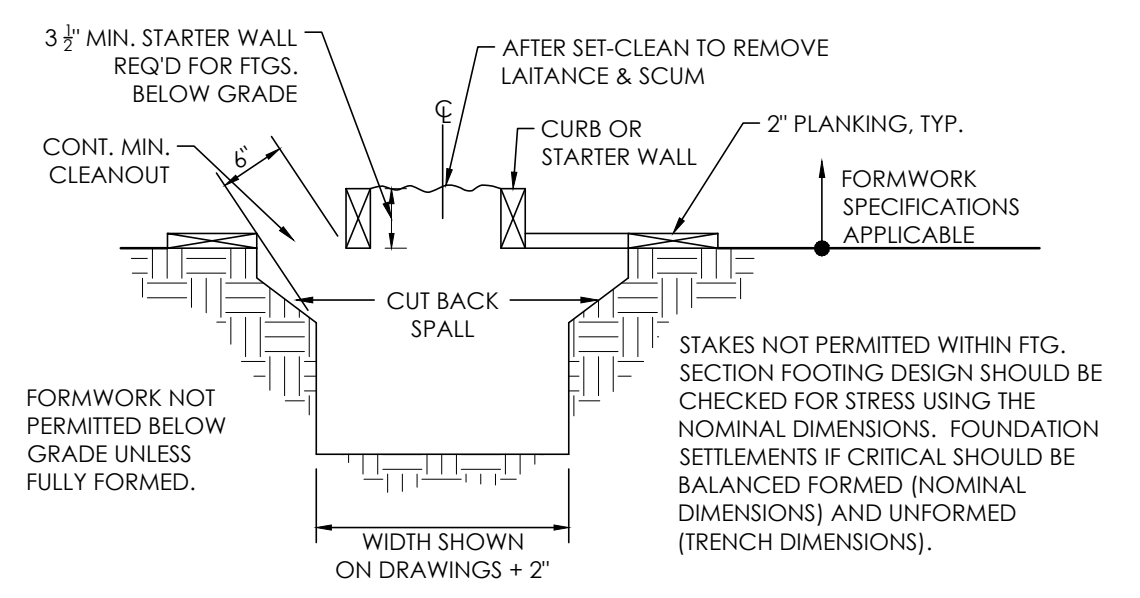
- 3. LATERAL LOADS: A) SEISMIC - SHORT PERIOD Ss = 0.898 g, ONE - SECOND PERIOD S1 = 0.331 g, RISK CATEGORY: III, SEISMIC DESIGN CATEGORY: D

- LATERAL SYSTEMS: BOTH DIRECTIONS: CH. 15 ALL OTHER SELF-SUPPORTING STRUCTURES, R = 1.25, rho = 1, Cs = 0.683, V = pCSW = 0.683W (1.0E strength)

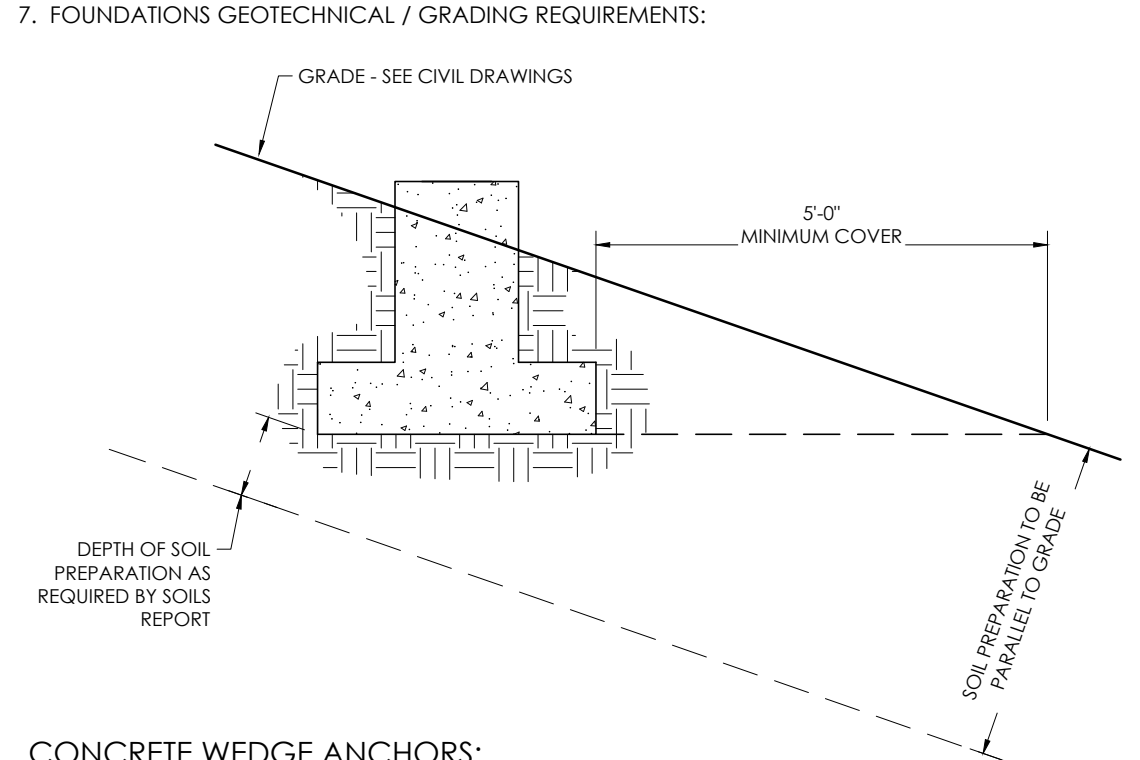
- A) WIND: 1. ULTIMATE DESIGN WIND SPEED, Vref = 103 mph, 2. RISK CATEGORY = III, 3. WIND EXPOSURE = C, 4. APPLICABLE INTERNAL PRESSURE COEFFICIENT (GCp) = 0.55

FOUNDATION:

- 1. GEOTECHNICAL INVESTIGATION: NVS WEST, INC. DATE: 05/05/21, REPORT DATA: PROJECT NO. 613821-0001310.00-917-18049-01
2. SOIL PRESSURES: SOIL BEARING..... 2000 psf, COEFFICIENT OF FRICTION..... 0.35, PASSIVE PRESSURE..... 350 pcf
3. SOIL REMOVAL AND RECOMPACTION: PER GEOTECHNICAL INVESTIGATION AND THE CONTRACT DOCUMENTS, SOILS WORK SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL ENGINEER.
4. GEOTECHNICAL ENGINEER: SHALL OBSERVE FOOTINGS BEFORE PLACEMENT OF REINFORCING OR CONCRETE, FOOTING OBSERVATION AND COMPACTION REPORTS SHALL BE SENT TO THE ARCHITECT AND DSA.
5. SOIL PREPARATION: AS INDICATED IN THE GEOTECHNICAL INVESTIGATION REPORT AND AS SPECIFIED IN THE PROJECT SPECIFICATIONS. COORDINATE WITH GEOTECHNICAL ENGINEERS.
6. MANDATORY MINIMUM FORMWORK (unless fully formed).



- A. STARTER WALL REQUIRED FOR ALL MASONRY OR CONCRETE WALLS.
B. 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.



CONCRETE NOTES:

- 1. MAXIMUM SIZE AGGREGATE SHALL BE AS FOLLOWS: 1 1/2\"/>  
AGGREGATE FOR CONCRETE SHALL CONFORM TO ASTM C33. GRADING OF AGGREGATE SHALL CONFORM TO TITLE 24, PART 2 CHAPTER 19-A. CBC.
2. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE 3,000 PSI. SLUMP = 5\"/>  
W/C RATIO IS 0.50 MAX.
3. ALL REINFORCING SHALL BE ASTM A615 GRADE 40 FOR #3, GRADE 60 FOR #4 AND LARGER. REINF. TO BE WELDED SHALL BE ASTM A706.
4. 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.
5. 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.
6. HORIZONTAL CONSTRUCTION JOINTS SHALL HAVE ENTIRE SURFACE REMOVED TO EXPOSED CLEAN AGGREGATE SOLIDLY EMBEDDED.
7. ALL STEEL COLUMN BASE PLATES AND STEEL BEAMS BEARING ON CONCRETE SHALL BEAR UPON 1\"/>  
DRYPACK AND LEVELING NUTS EXCEPT AS NOTED OTHERWISE.
8. 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.
9. PROVIDE MINIMUM LAP SPLICES FOR CONTINUOUS REINFORCEMENT PER THE SCHEDULE PROVIDED BELOW. PROVIDE MINIMUM DEVELOPMENT FOR HOOKED BARS PER THE SCHEDULE BELOW.

CONCRETE - EPOXY ANCHORED THREADED RODS:

- 1. MATERIALS: [ICC ESR 3187] HILTI HIT-HY200 EPOXY ADHESIVE. Fc = 3,000 PSI STONE AGGREGATE
CONCRETE (MIN)..... ASTM A-153 TYPICAL
THREADED RODS..... ASTM A-563 HEX. GRADE A
2. 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:

Table with columns: ROD DIA. (IN.), BIT DIA. (IN.), MIN. EMBED. (IN.), MIN. EDGE DIST. (IN.), TENSION TEST LOAD (LBS.). Rows for rod sizes 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1-1/8, 1-1/4.

COLD FORMED MEMBERS (PRESS BOX):

Table with columns: TUBE, DIAGONAL ANGLE, BELLY PAN ANGLE, GIBES, FLAT STRAP, ROOF PLATE, 4\"/>

- 1. CODES AND FABRICATION: STEEL STUD MANUFACTURER'S ASSOCIATION ICC ESR 3064P OR APPROVED EQUAL.
2. COLD FORMED SHAPES SHALL BE LIMITED TO A THICKNESS OF 11 GAUGE OR THINNER.

ALUMINUM:

- 1. MATERIALS: ALUMINUM SHAPES.....ALLOY 6061-T6 OR 6005-15 (Fy = 35 KSI)
PLANKING.....ALLOY 6063-T6 (Fy = 25 KSI)
2. DISSIMILAR MATERIALS: WHERE ALUMINUM SURFACES ARE IN CONTACT WITH STEEL, THE STEEL SHALL BE GALVANIZED.
3. MILL FINISHED ALUMINUM WILL BECOME DISCOLORED DUE TO OXIDATION WHICH IS A NATURAL PHENOMENON & SHOULD BE EXPLORED.
4. ANODIZED ALUMINUM HANDRAIL IS 1 1/4\"/>

SPECIAL INSPECTION/INSPECTOR REQUIREMENTS

REQUIREMENTS FOR SPECIAL INSPECTION:

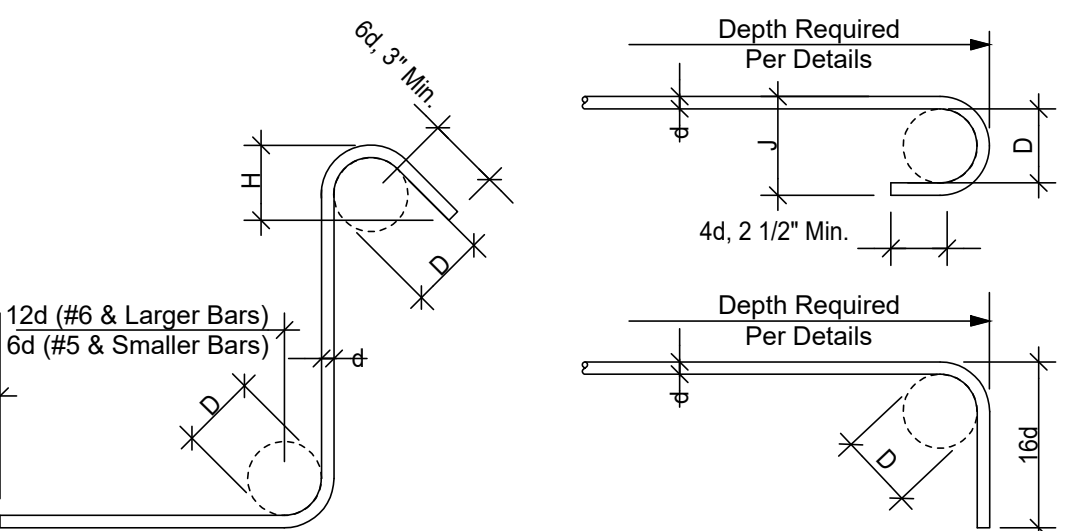
- 1. PROJECT INSPECTOR: IN ACCORDANCE WITH TITLE 24, PART 1, SECTIONS 4-333 AND 4-342.
2. CERTIFIED SPECIAL INSPECTOR: EMPLOYED BY THE DISTRICT AND APPROVED BY THE ARCHITECT, STRUCTURAL ENGINEER AND DSA.
3. REPORTS: PREPARED BY THE SPECIAL INSPECTOR AND SIGNED BY A CIVIL ENGINEER, SUBMITTED TO THE DSA, 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).
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:

- 1. 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.
2. 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, 1705A.2.5 & 1704A.2.5):
1. DURING ALL SHOP AND FIELD WELDING IN ACCORDANCE WITH AWS D1.1 DURING SHOP FABRICATION.
2. WELDING INSPECTORS ARE TO BE AWS QC-1 CERTIFIED.
3. INSPECTION SHALL BE PER AWS D1.1, D1.3 OR D1.4 AND INCLUDE VERIFICATION THAT THE WPS IS BEING FOLLOWED.
4. ALL STEEL AND WELDING MATERIALS SHALL BE IDENTIFIED AS REQUIRED BY THEIR ASTM OR AWS STANDARD.
5. 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.
F) YEARLY INSPECTION: AFTER THE INSTALLATION, THE OWNER SHALL CONDUCT ANNUAL INSPECTIONS AS REQUIRED BY ICC/ANSI 300, SECTION 102.2. THE OWNER WILL ALSO MAINTAIN COPIES OF ALL ANNUAL INSPECTIONS REPORTS AND MAKE THEM AVAILABLE ON SITE FOR DSA REVIEW, UPON REQUEST.

TYPICAL LAP SPLICES AND DEVELOPMENT U.N.O. PER PLAN

Table with columns: Bar Size, Hook Dev. Length (Ldh), Lap Splice. Rows for bar sizes #3 through #7.



STANDARD TIES & STIRRUPS

Table with columns: Bar Size, D, H. Rows for bar sizes #3 through #8.

STANDARD END HOOKS

Table with columns: Bar Size, D, J. Rows for bar sizes #3 through #10.

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

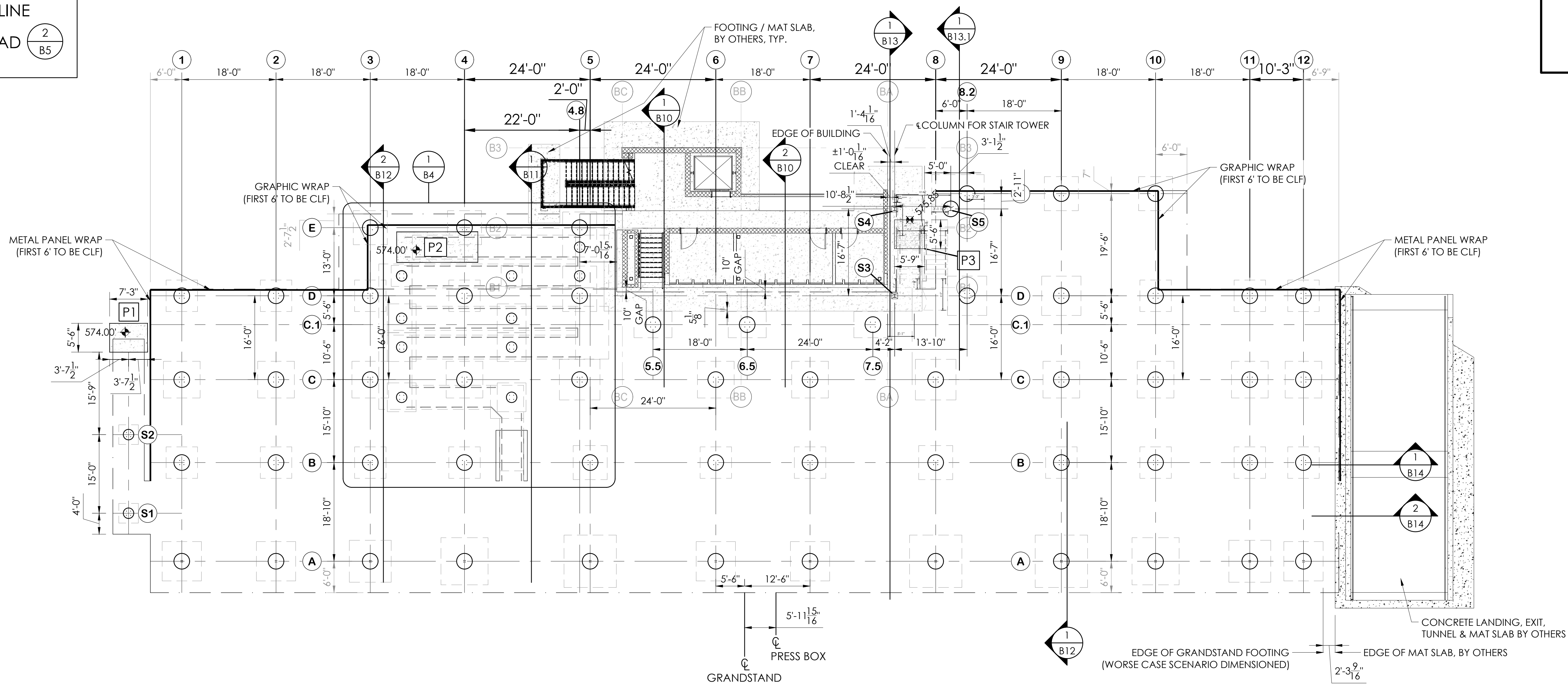
CONCRETE WEDGE ANCHORS:

- 1. ANCHOR DIAMETER REFERS TO THE THREAD SIZE FOR THE WEDGE ANCHOR.
2. APPLY PROOF TEST LOADS TO WEDGE ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT & INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS OF THE ORIGINAL NUT USING A TORQUE WRENCH & APPLY LOAD.
3. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURE(S).
4. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
5. 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.
6. TESTING SHOULD OCCUR 24 HOURS MINIMUM AFTER INSTALLATION OF THE SUBJECT ANCHORS.
7. TESTING VALUES:

Table with columns: ANCHOR DIA. (IN.), MINIMUM EMBEDMENT, TENSION TEST LOAD (LBS.), TORQUE (FT.-LBS.). Rows for anchor diameters 3/8, 1/2, 5/8, 3/4.

Professional seal and company information for Taylor & Ryan Bleacher Company, including address, phone, and project details: PALOMAR COMMUNITY COLLEGE, PALOMAR COMMUNITY COLLEGE DISTRICT, SAN MARCOS, CALIFORNIA. Project number #21369, sheets B2 and B47.

**A** = GRID LETTERS  
**1** = GRID LINE  
**P1** = EXIT PAD  $\frac{2}{B5}$



**1**  
**B3** FOOTING LAYOUT - HOME  
 SCALE: 3/32" = 1'-0"

**FOUNDATION NOTES**

1. GENERAL CONTRACTOR 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  $\pm \frac{5}{8}$ ".
5. ALL ANCHOR BOLTS SHALL HAVE A  $3\frac{1}{2}$ " PROJECTION ( $\pm \frac{5}{8}$ ") 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  $\pm \frac{5}{8}$ ". THE TOP OF CONCRETE ELEVATION MAY BE RAISED TO MATCH THE BOTTOM OF STEEL ELEVATION, AT THE CONCRETE CONTRACTORS 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.

THIS DRAWING AND ALL INFORMATION THEREIN IS THE PROPERTY OF THE SOUTHERN BLEACHER COMPANY, TAYLOR & SYFAN AND IS CONFIDENTIAL AND MUST NOT BE MADE PUBLIC OR COPIED. 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.

STRUCTURAL ENGINEERS  
 TAYLOR & SYFAN  
 GENERAL OFFICE  
 559 S. Oak Knoll Ave., Pasadena, CA 91101  
 Ph: (626) 792-7488  
 Fax: (626) 792-9881  
 http://www.tsy.com

PO Box One, Graham, Texas 76650  
 801 Fifth Street,  
 Phone: 940/549-0733 Fax: 940/549-1365  
 Established 1946

**Taylor & Syfan**  
**Southern**  
 BLEACHER COMPANY  
 GRANDSTANDS • BLEACHERS • STADIUMS

REGISTERED PROFESSIONAL ENGINEER  
 BRIAN T. DEAN  
 Brian Dean  
 S 6087  
 Exp. 06/30/23  
 STRUCTURAL  
 STATE OF CALIFORNIA  
 05/12/22  
 PRINCIPAL

FOOTING LAYOUT - HOME  
 12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

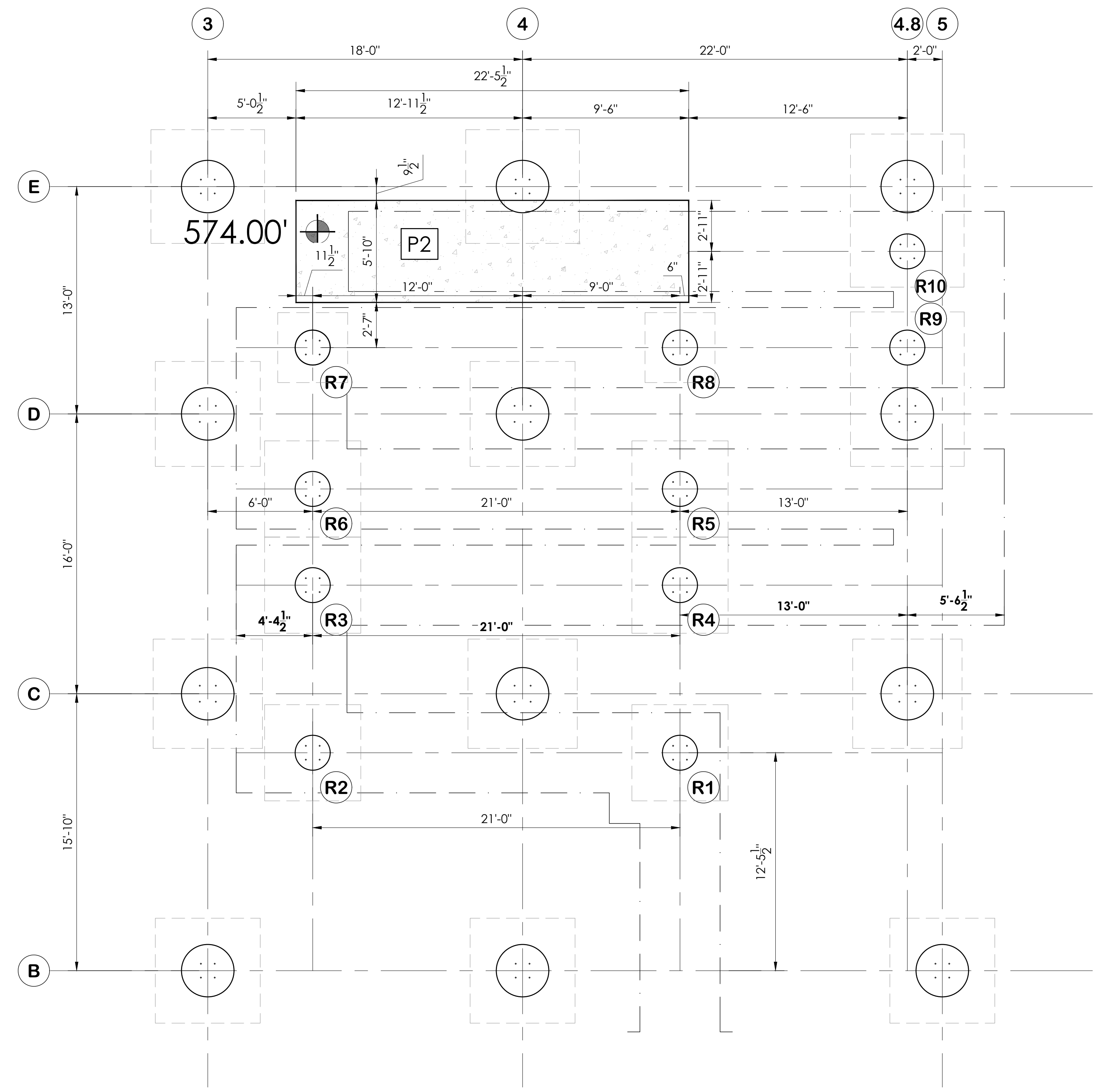
DATE: 05/05/22  
 DRAWN: SMR  
 CHECKED: DMC

JOB NUMBER: **#21369**

SHEET **B3** OF **B47**

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

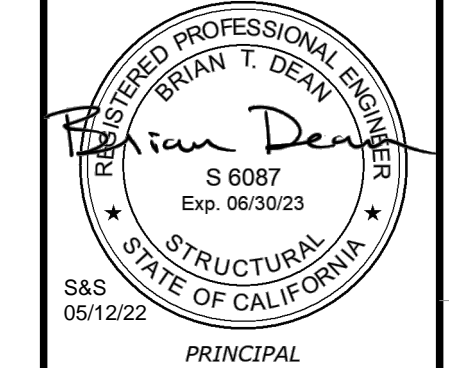
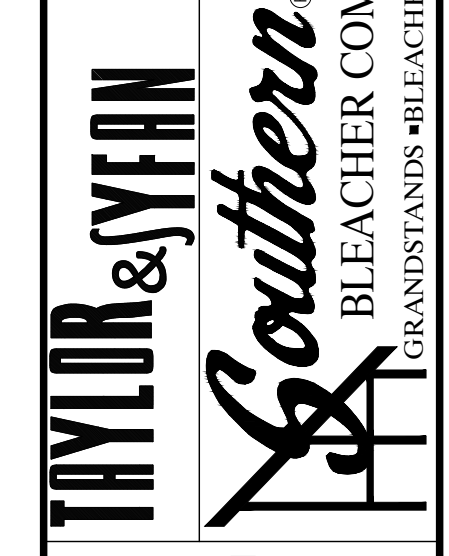
- (A)** = GRID LETTERS (GRANDSTAND)
- (1)** = GRID NUMBERS (GRANDSTAND)
- (R1)** = RAMP EXIT PIER NUMBERS
- (S1)** = STAIR EXIT PIER NUMBERS
- (P1)** = EXIT PAD  $\frac{2}{85}$



**1** ENLARGED PORTAL RAMP LAYOUT  
 B4 SCALE: 1/4"=1'-0"

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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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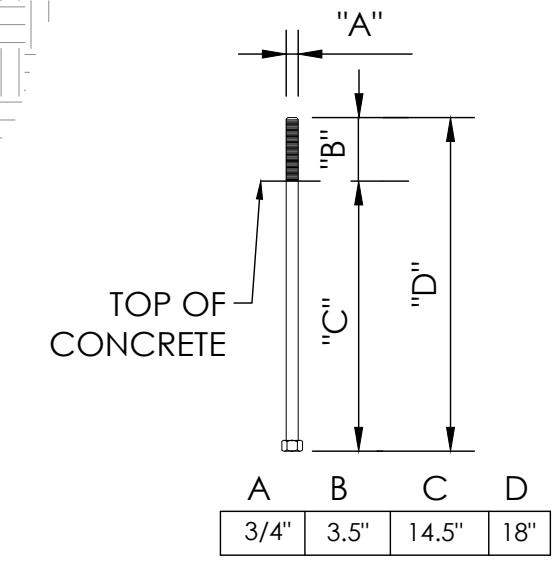
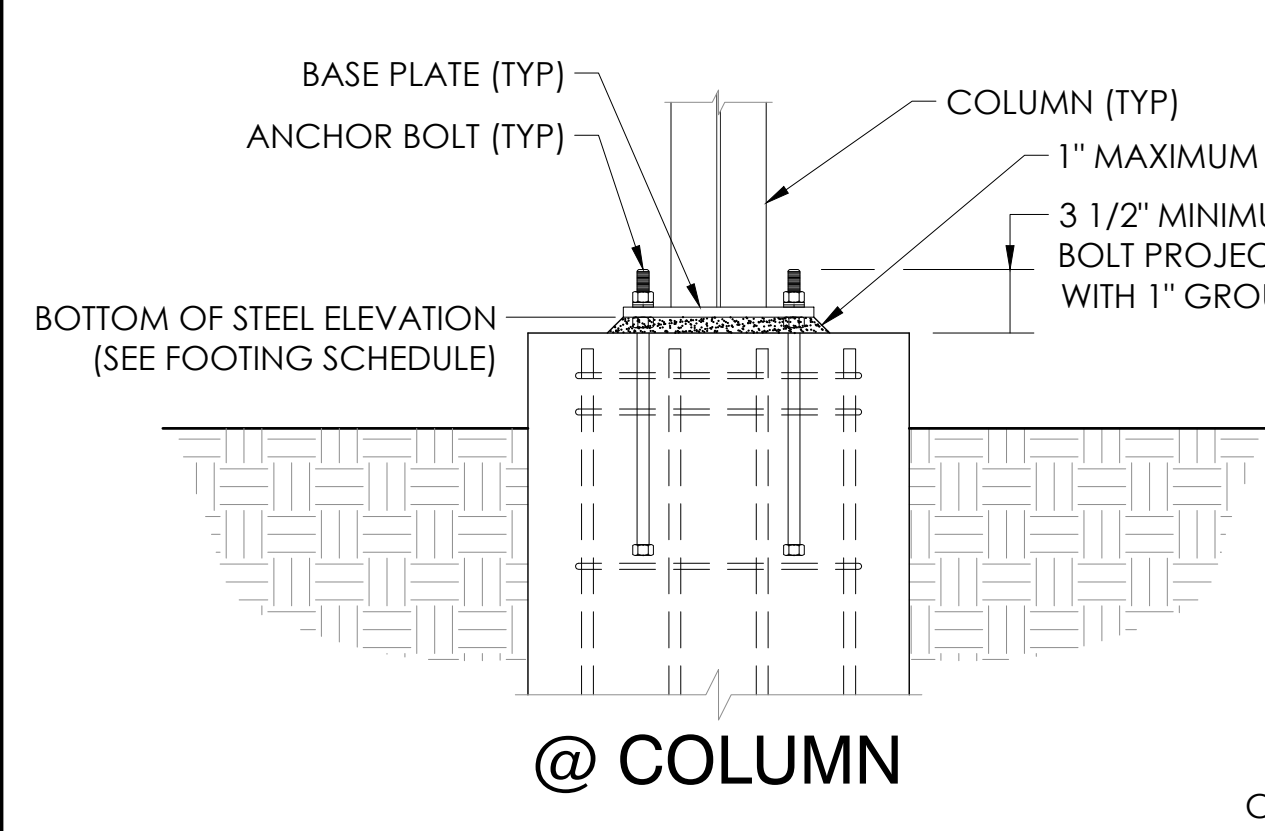


ENLARGED EXIT FOOTING LAYOUTS - HOME  
 12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)  
 PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

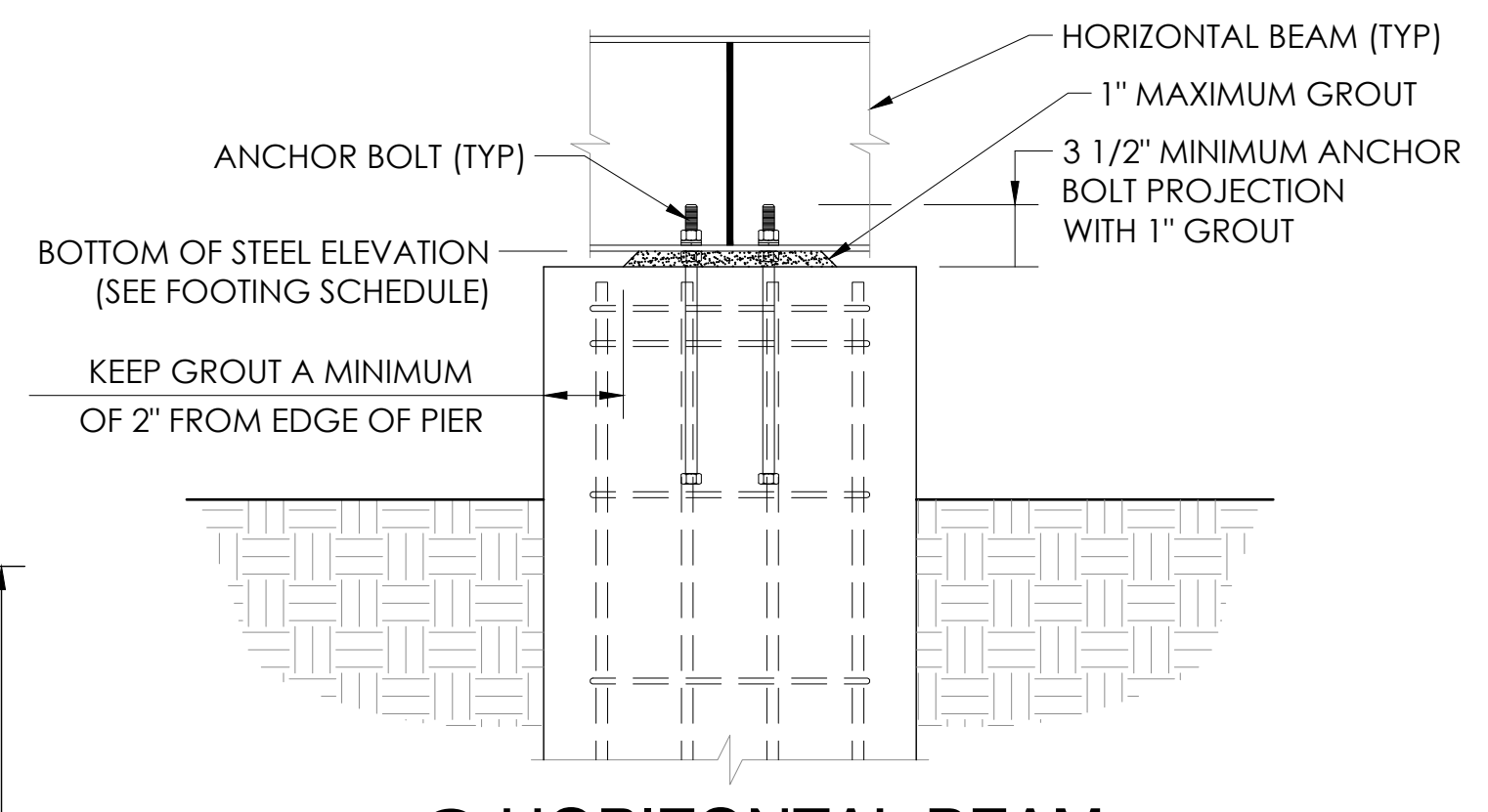
REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
 DRAWN: SMR  
 CHECKED: DMC  
 JOB NUMBER: #21369  
 SHEET: B4 OF B47

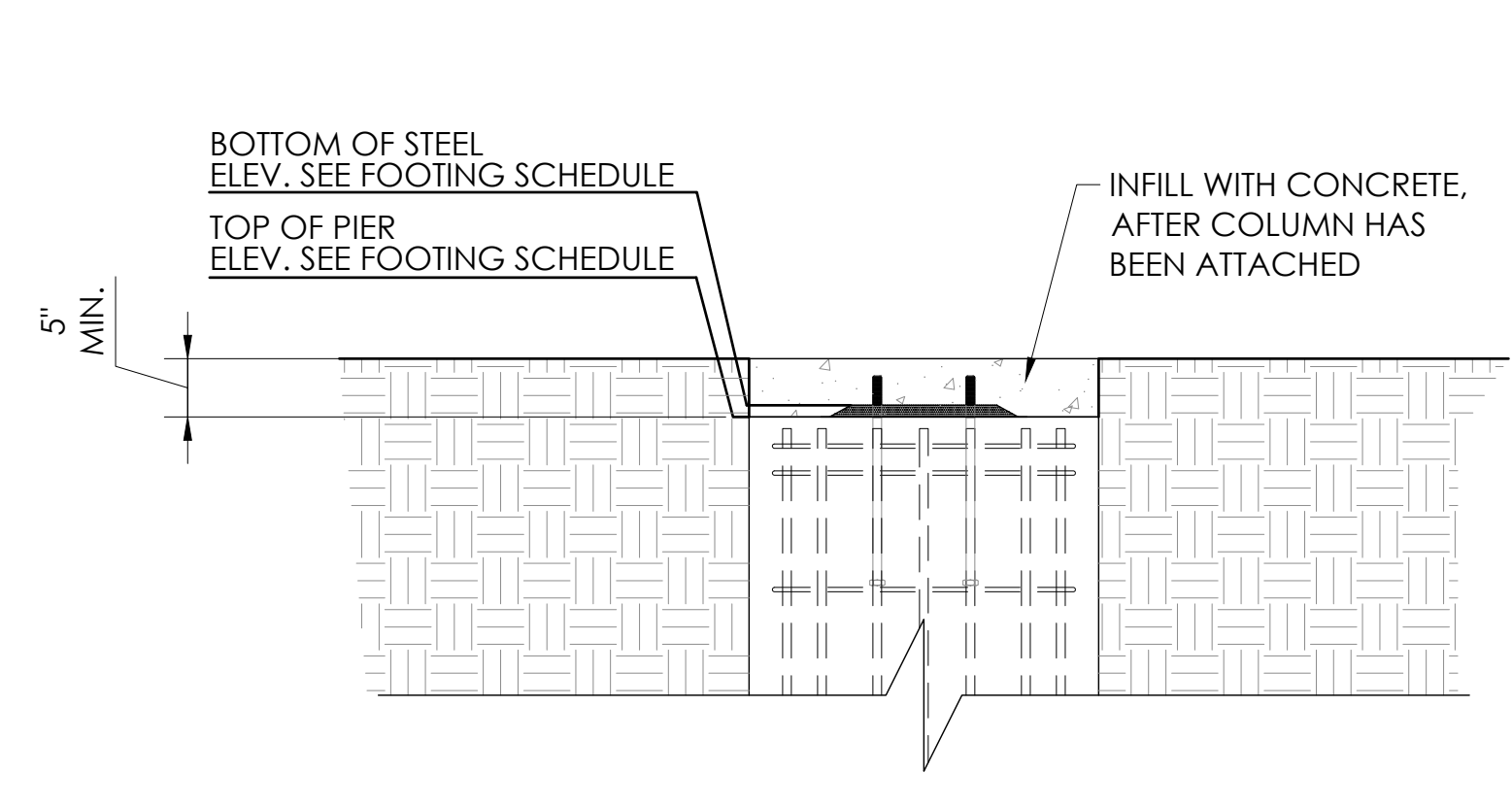
22" X 34" (11 X 17)  
 = 1/2 (indicated scale)



**1 TOP OF PIER DETAIL**  
B5 NOT TO SCALE

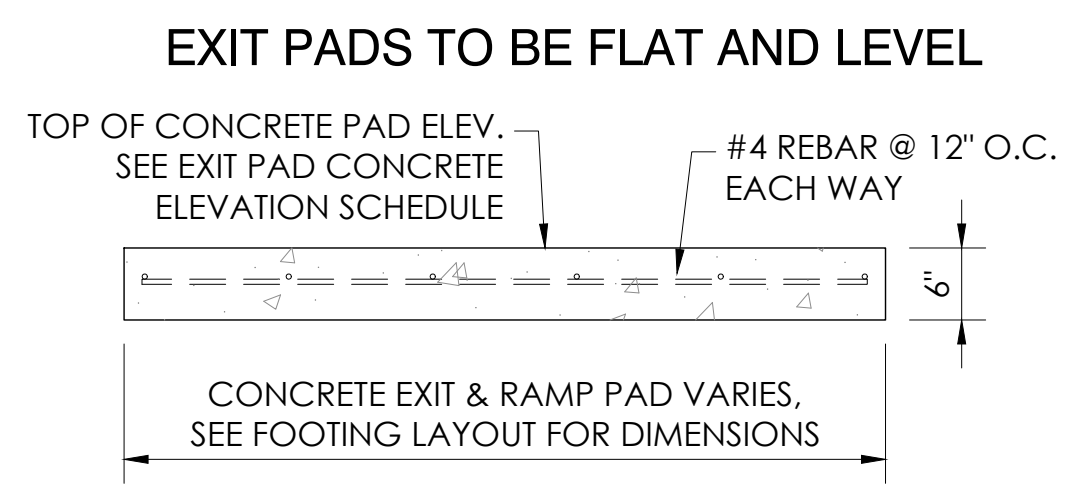


**@ HORIZONTAL BEAM**



**4 INSET PIER**  
B5 NOT TO SCALE

PIERS E3, E4, S3, S4, S5  
REFER TO DETAILS 3/B5 & 3/B6  
FOR NOTES/DETAILS NOT SHOWN



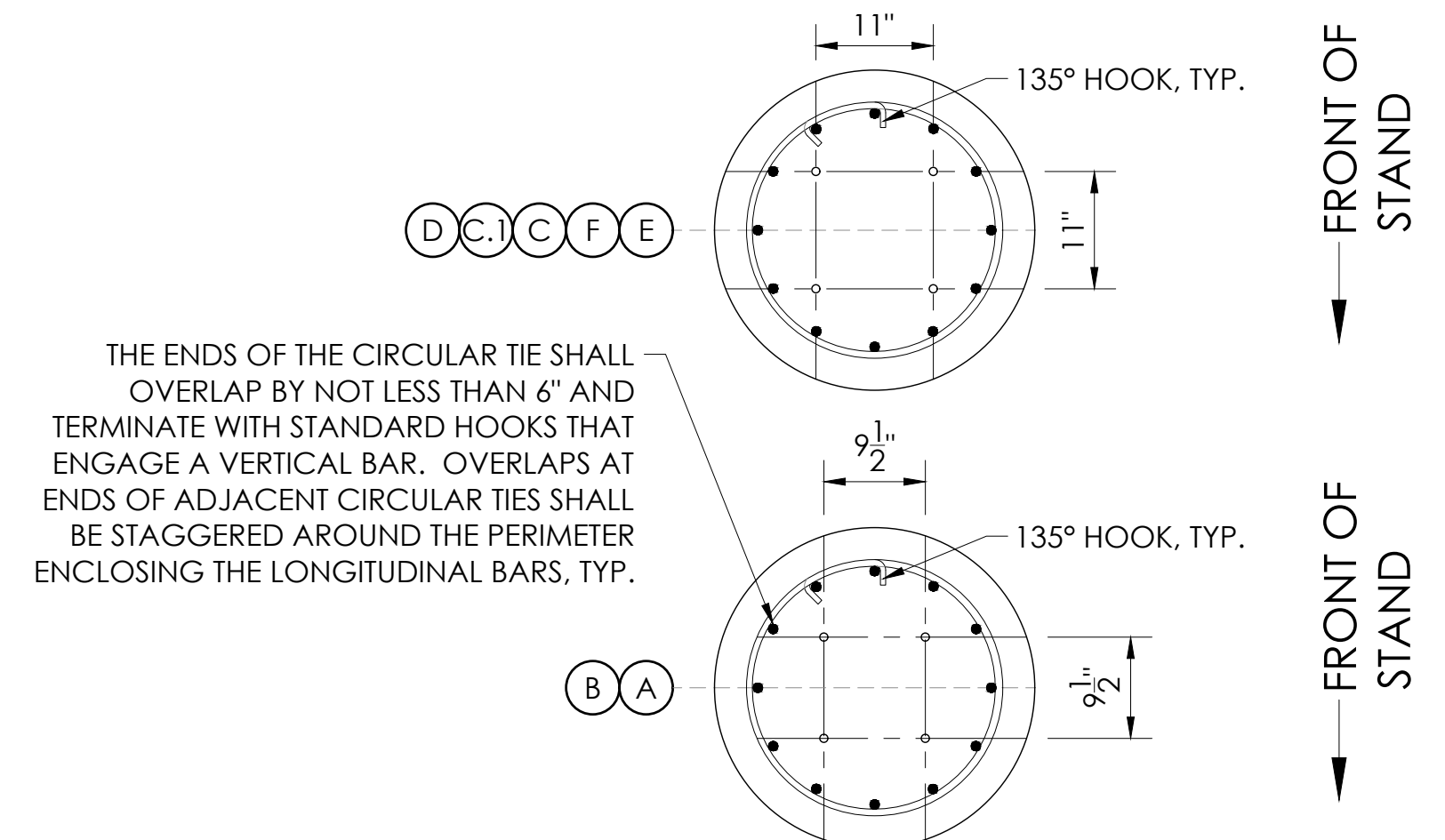
**2 MINIMUM EXIT PAD DETAIL**  
B5 NOT TO SCALE

**EXIT PAD CONCRETE ELEVATION SCHEDULE**

(P = CONCRETE PAD)	TOP OF CONCRETE ELEV.
P1	574.00'
P2	574.00'
P3	575.85'

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

FOOTING # (A/B/C = GRIDLINE (R = RAMP PIER) (S = STAIR PIER)	T.O.P. ELEV.	B.O.S. ELEV.	GROUT	"H"	"D"	"H2"	"W"	FOOTING REINFORCEMENT
A1, 2, 6-7, 12	574.542'	574.542'	1"	14"	19"	27" MAX.	7'-6" X 7'-6"	(7) #6 EACH WAY BOTTOM; (7) #5 EACH WAY TOP
A3, 11	574.542'	574.542'	1"	14"	19"	27" MAX.	8'-0" X 8'-0"	(8) #6 EACH WAY BOTTOM; (8) #5 EACH WAY TOP
A4, 10	574.542'	574.542'	1"	14"	19"	27" MAX.	9'-0" X 9'-0"	(9) #6 EACH WAY BOTTOM; (9) #5 EACH WAY TOP
A5, 8-9	574.542'	574.542'	1"	14"	19"	27" MAX.	10'-0" X 10'-0"	(10) #6 EACH WAY BOTTOM; (10) #5 EACH WAY TOP
B1-4, 6, 7, 9-12	574.542'	574.625'	1"	14"	19"	27" MAX.	6'-0" X 6'-0"	(6) #6 EACH WAY BOTTOM
B5, 8	574.542'	574.625'	1"	14"	19"	27" MAX.	6'-6" X 6'-6"	(7) #6 EACH WAY BOTTOM
C1-4	574.500'	574.584'	1"	14"	19"	27" MAX.	7'-0" X 7'-0"	#6 @ 12" O.C. EACH WAY BOTTOM; #6 @ 12" O.C. EACH WAY TOP
C6, 7, 9-12	575.500'	575.584'	1"	14"	19"	27" MAX.	7'-0" X 7'-0"	#6 @ 12" O.C. EACH WAY BOTTOM; #6 @ 12" O.C. EACH WAY TOP
C4, 8	574.500'	574.584'	1"	14"	19"	27" MAX.	7'-9" X 7'-9"	(8) #6 EACH WAY BOTTOM; (8) #5 EACH WAY TOP
C8	575.500'	575.584'	1"	14"	19"	27" MAX.	7'-9" X 7'-9"	(8) #6 EACH WAY BOTTOM; (8) #5 EACH WAY TOP
C.1 5.5, 6.5, 7.5	575.500'	575.584'	1"	14"	19"	27" MAX.	5'-0" X 7'-3"	#6 @ 12" O.C. EACH WAY BOTTOM; #6 @ 12" O.C. EACH WAY TOP
D1-4	574.500'	574.584'	1"	14"	19"	27" MAX.	6'-0" X 6'-0"	(6) #6 EACH WAY BOTTOM
D10-12	576.000'	576.084'	1"	14"	19"	27" MAX.	6'-0" X 6'-0"	(6) #6 EACH WAY BOTTOM
D4, 8	574.500'	574.584'	1"	14"	19"	27" MAX.	7'-6" X 6'-6"	(7) #6 EACH WAY BOTTOM; (7) #5 EACH WAY TOP
D8, 2, 9	576.000'	576.084'	1"	14"	19"	27" MAX.	7'-6" X 7'-6"	(7) #6 EACH WAY BOTTOM; (7) #5 EACH WAY TOP
D4.8 & R9 (24"Ø PIER)	576.000' → 575.385' →	576.084' → 575.534' →	1"	14"	19"	27" MAX. 38" MAX.	8'-10" X 6'-6"	#6 @ 12" O.C. EACH WAY BOTTOM; #5 @ 12" O.C. EACH WAY TOP
E3, 4	573.583'	574.000'	1"	14"	19"	27" MAX.	6'-6" X 6'-6"	(7) #6 EACH WAY BOTTOM
E4.8 & R10 (24"Ø PIER)	574.500' → 575.622' →	574.584' → 575.705' →	1"	14"	19"	27" MAX. 36" MAX.	8'-9" X 6'-6"	#6 @ 12" O.C. EACH WAY BOTTOM
F9, 10	576.266'	576.350'	1"	14"	19"	27" MAX.	6'-6" X 6'-6"	(7) #6 EACH WAY BOTTOM
F8.2 & S5 (24"Ø PIER)	576.266' → 575.266' →	576.350' → 575.350' →	1"	14"	19"	27" MAX.	6'-6" X 6'-6"	(7) #6 EACH WAY BOTTOM



**3 FOOTING & PIER DETAIL**  
B5 NOT TO SCALE

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STRUCTURAL  
STATE OF CALIFORNIA  
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PIER DETAILS - HOME  
12" X 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	DATE	DESCRIPTION	BY	CHECKED

DATE: 05/05/22  
JOB NUMBER: #21369  
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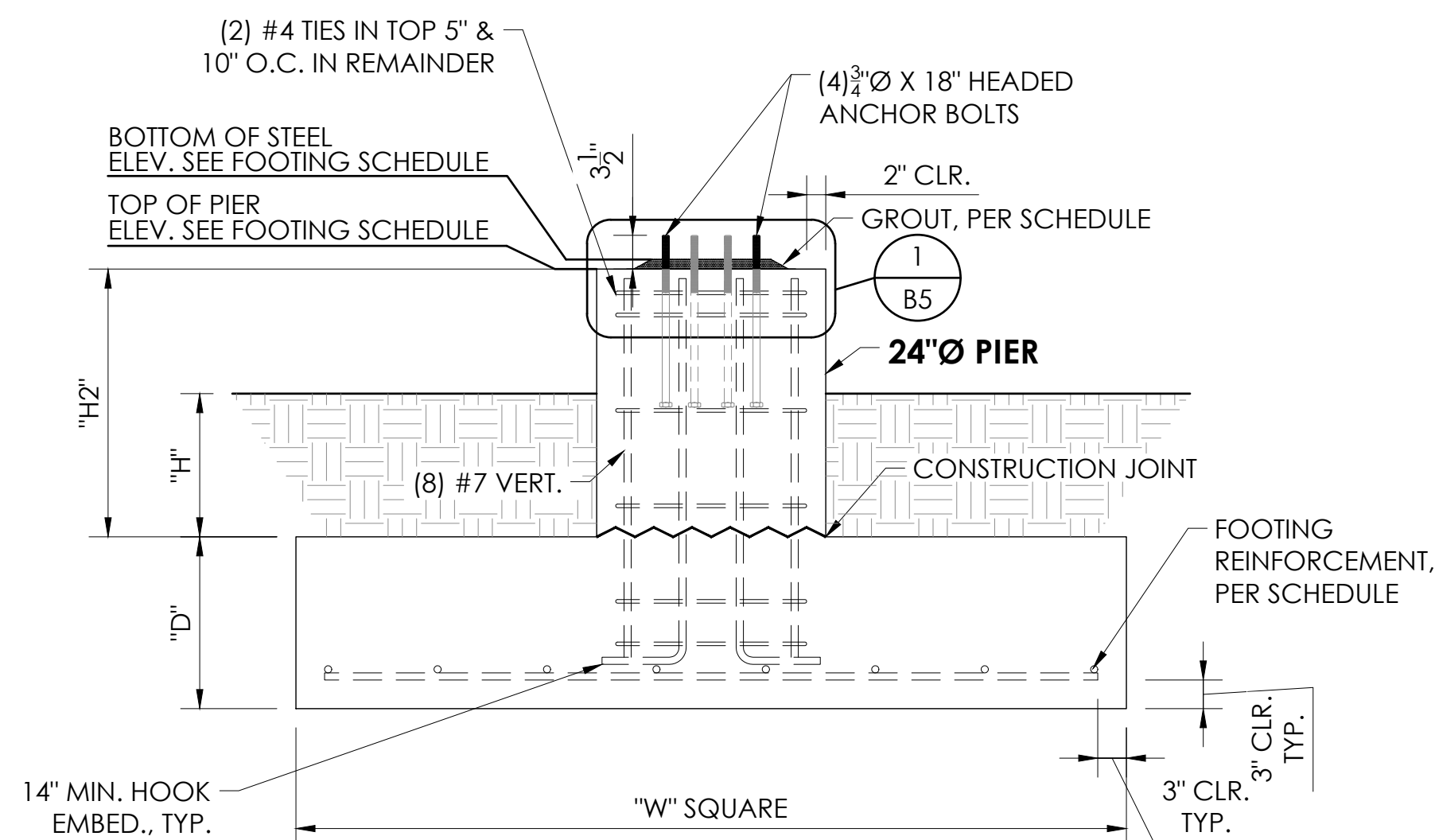
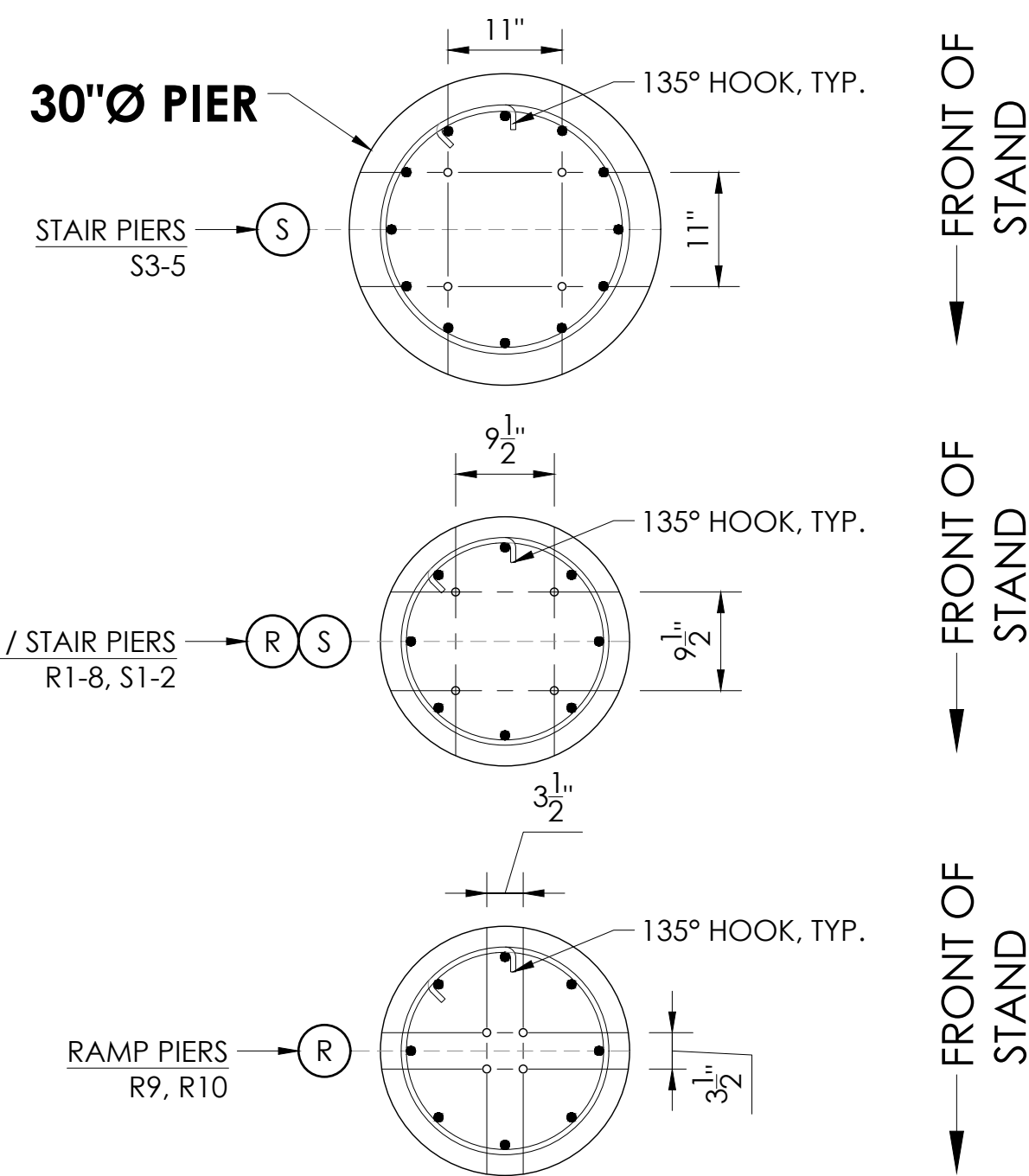
SHEET OF  
**B5 B47**

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

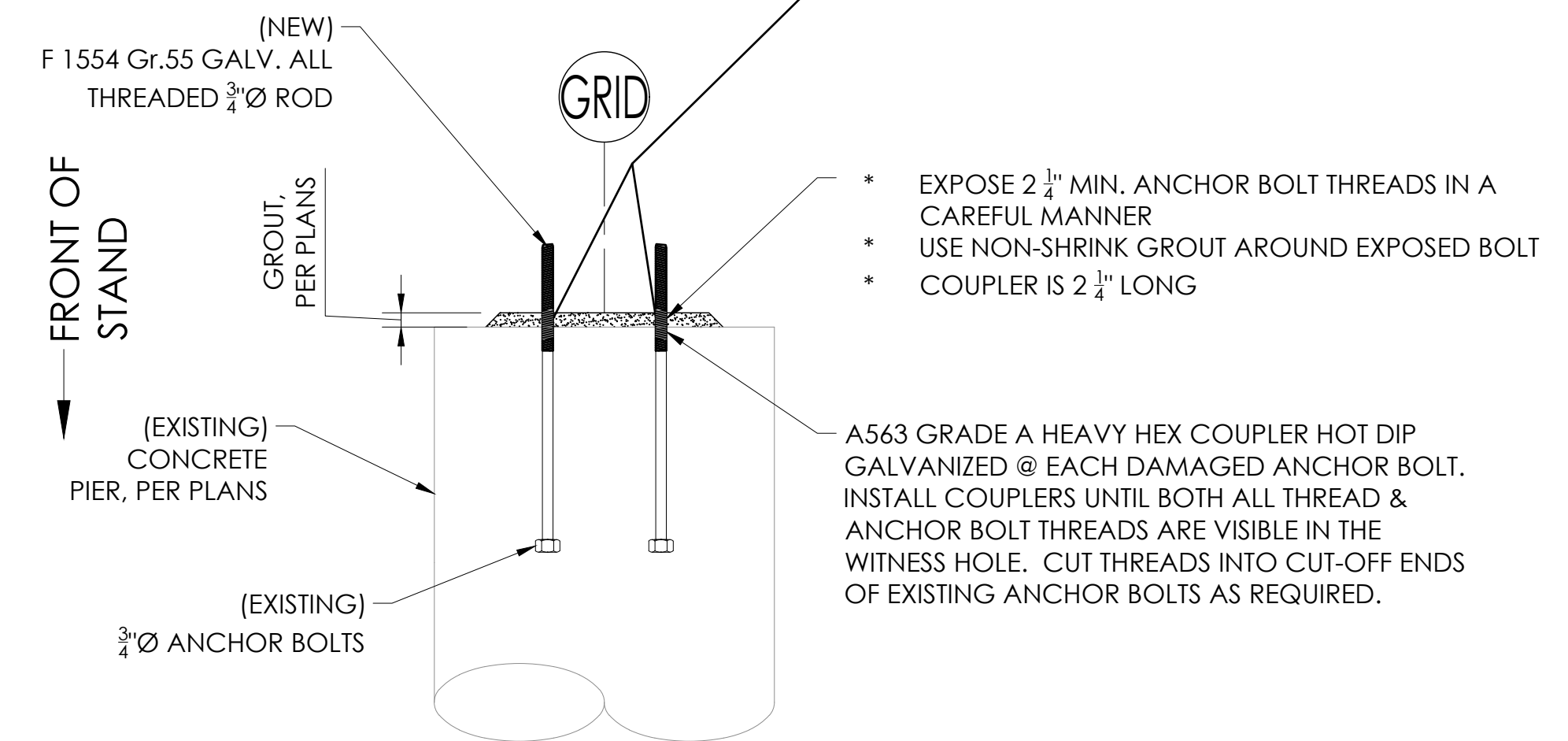
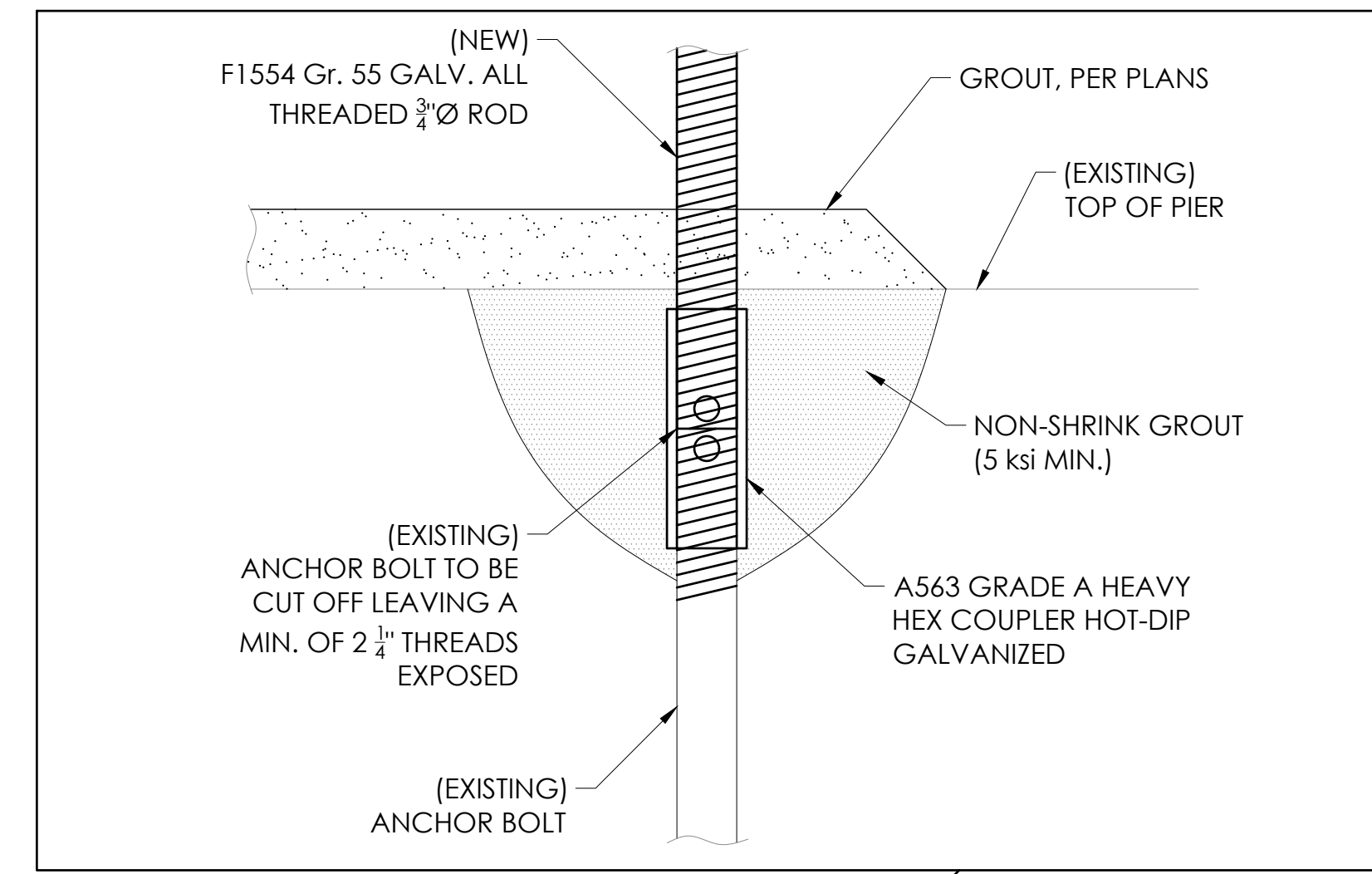


FOOTING SCHEDULE  
T.O.P. = TOP OF PIER  
B.O.S. = BOTTOM OF STEEL

FOOTING # (A/B/C = GRIDLINE (R = RAMP PIER) (S = STAIR PIER)	T.O.P. ELEV.	B.O.S. ELEV.	GROUT	"H"	"D"	"H2"	"W"	FOOTING REINFORCEMENT
R1-5	575.042'	575.125'	1"	15"	19"	27" MAX.	5'-6" X 5'-6"	(6) #6 EACH WAY BOTTOM
R6	574.747'	574.830'	1"	15"	19"	27" MAX.	5'-6" X 5'-6"	(6) #6 EACH WAY BOTTOM
R7-8	574.747'	574.830'	1"	15"	19"	27" MAX.	4'-0" X 4'-0"	(4) #6 EACH WAY BOTTOM
R9 & D4.8	SEE CHART ON SHEET B5							
R10 & F4.8	SEE CHART ON SHEET B5							
S1, S2	574.583'	574.666'	1"	15"	19"	27" MAX.	4'-0" X 4'-0"	(4) #6 EACH WAY BOTTOM
S3, S4	575.266'	575.350'	1"	N/A	N/A	N/A	N/A	FOOTING PER ARCHITECTURAL PLANS
S5 & F8.2	SEE CHART ON SHEET B5							

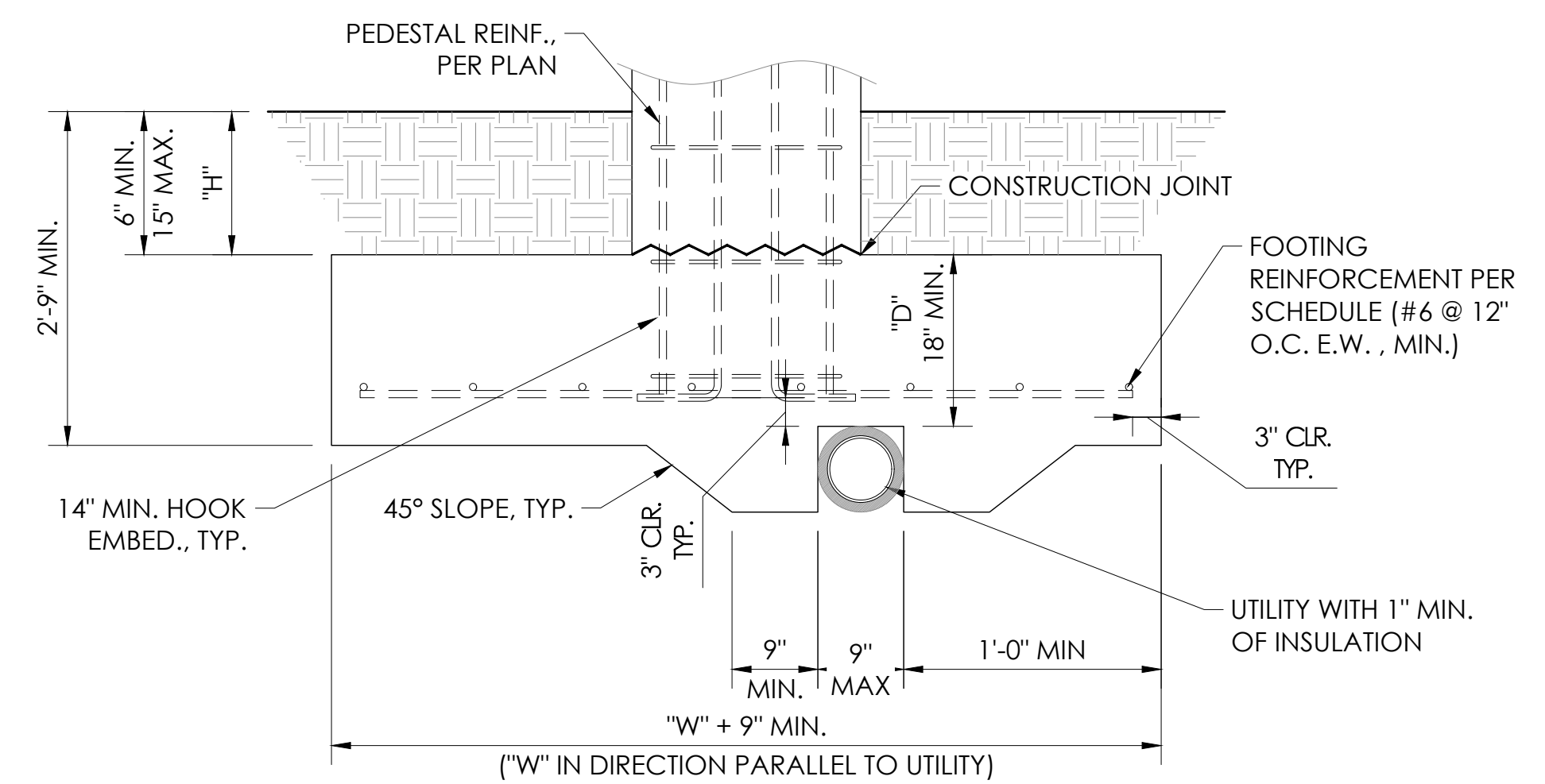


**3 FOOTING & PIER DETAIL**  
B6 NOT TO SCALE



**1 DETAIL @ DAMAGED 3/4"Ø F1554 Gr. 55 BOLTS**  
B6 NOT TO SCALE

DETAIL TO BE USED IF REQUIRED



**2 FOOTING DETAIL @ UTILITY**  
B6 NOT TO SCALE

DETAIL TO BE USED IF REQUIRED

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Brian Dean  
S 6087  
Exp. 06/30/23  
STRUCTURAL  
STATE OF CALIFORNIA  
S&S  
05/12/22  
PRINCIPAL

PIER DETAILS - HOME  
12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

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SHEET OF  
**B6 B47**

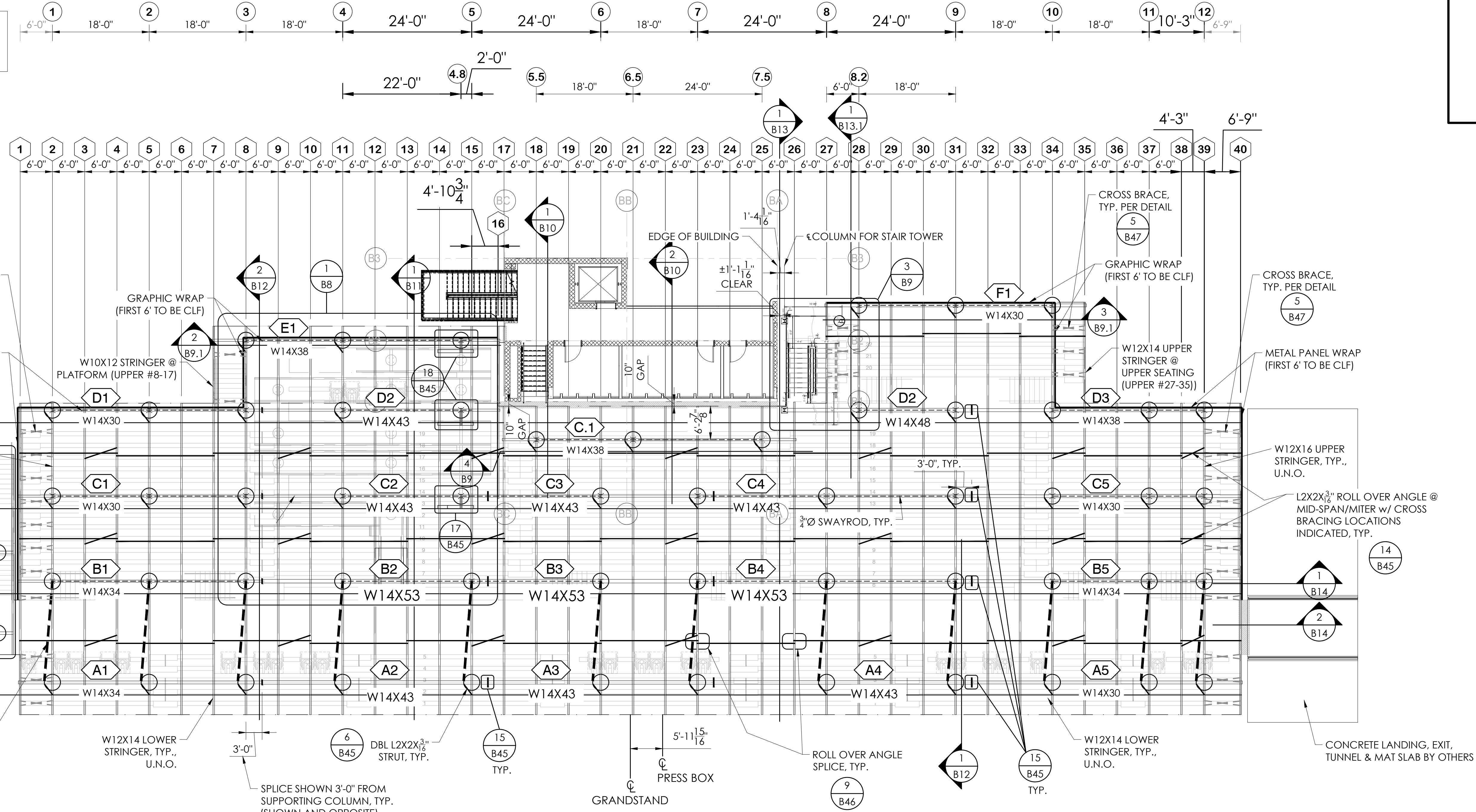
22" X 34" (11 X 17)  
= 1/2 indicated scale



NOTE: SEATING LAYOUT SHOWN FOR REFERENCE ONLY, SEE SHEET B16 FOR SEATING LAYOUT

1 = GRID LINE  
 1 = STRINGER NUMBERS  
 B1 = BEAM NUMBERS

F 19'-6"  
 E 13'-0"  
 D 5'-6"  
 C.1 16'-0"  
 C 10'-6"  
 B 15'-10"  
 A 18'-10"  
 6'-0"



1 UNDERSTRUCTURE LAYOUT - HOME  
 SCALE: 3/32" = 1'-0"

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 S 6087  
 Exp. 06/30/23  
 STRUCTURAL ENGINEER  
 STATE OF CALIFORNIA  
 05/12/22  
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UNDERSTRUCTURE LAYOUT - HOME  
 12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

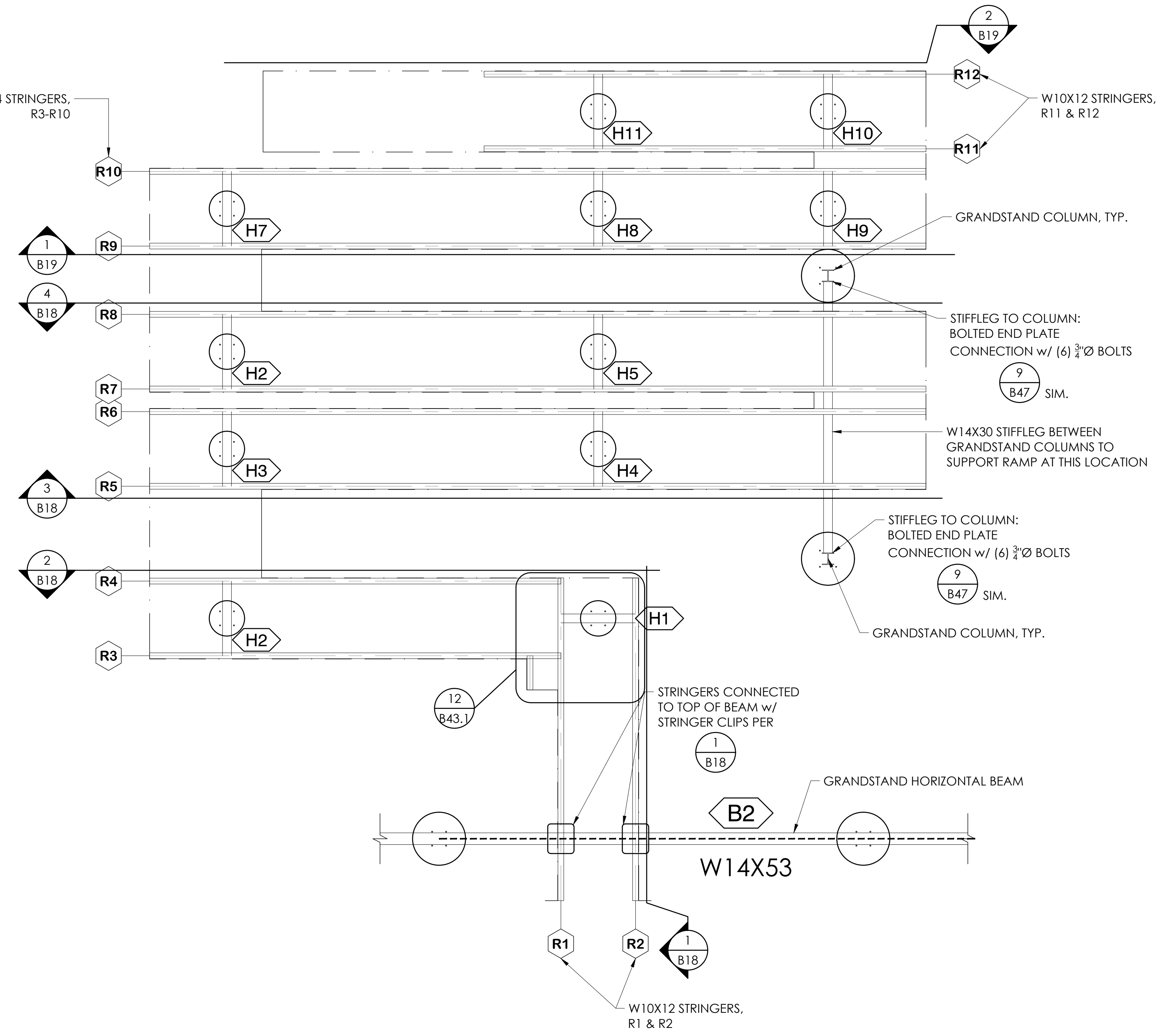
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 JOB NUMBER: #21369  
 SHEET: B7 OF B47

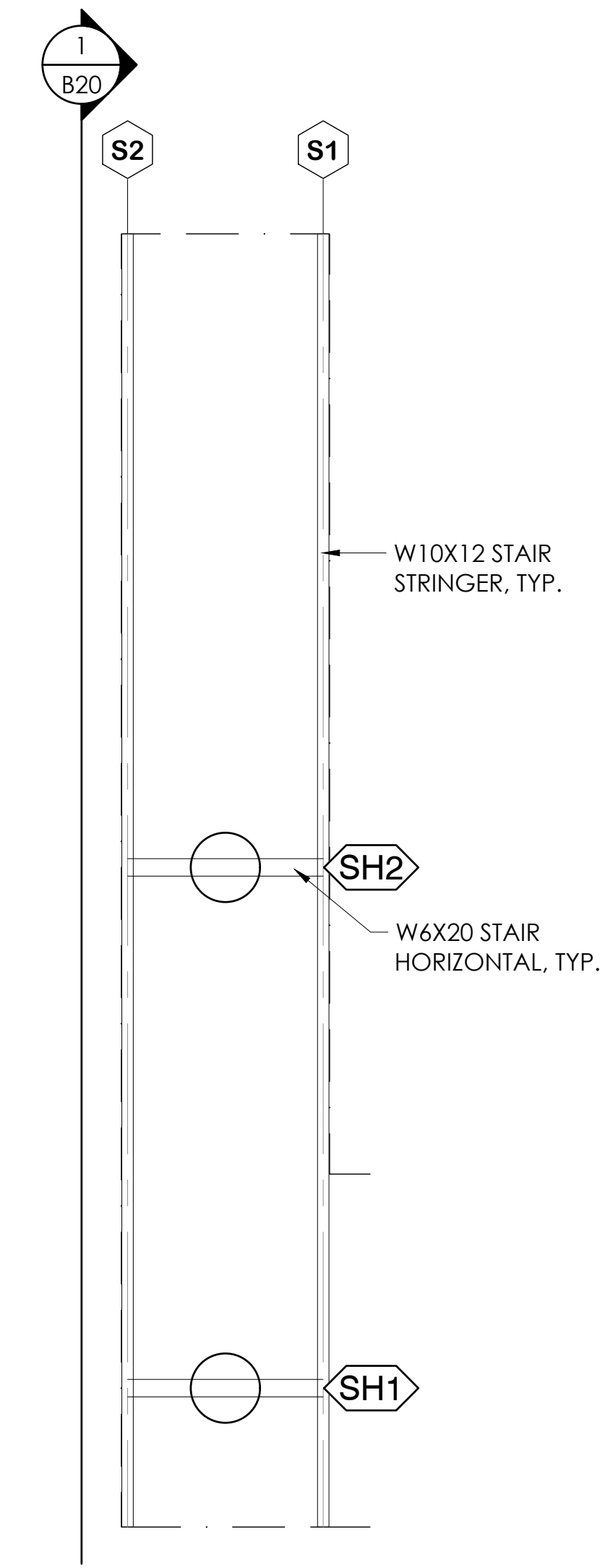
22" X 34" (11 X 17)  
 = 1/2" indicated scale

- R1** = RAMP STRINGER NUMBERS
- H1** = RAMP BEAM NUMBERS
- S1** = STAIR STRINGER NUMBERS
- SH1** = STAIR BEAM NUMBERS

W12X14 STRINGERS, R3-R10



**1**  
**B8** ENLARGED PORTAL RAMP UNDERSTRUCTURE LAYOUT  
SCALE: 1/4"=1'-0"



**2**  
**B8** ENLARGED LEFT EXIT STAIR UNDERSTRUCTURE LAYOUT  
SCALE: 1/4"=1'-0"

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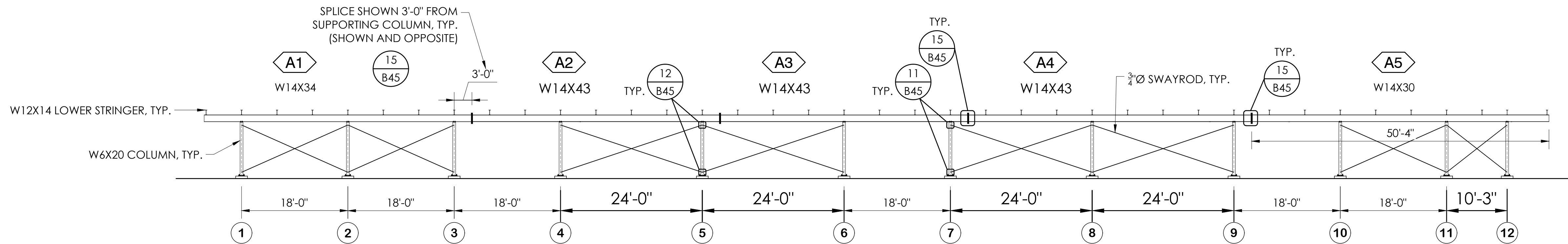
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ENLARGED EXIT UNDERSTRUCTURE LAYOUTS - HOME  
12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

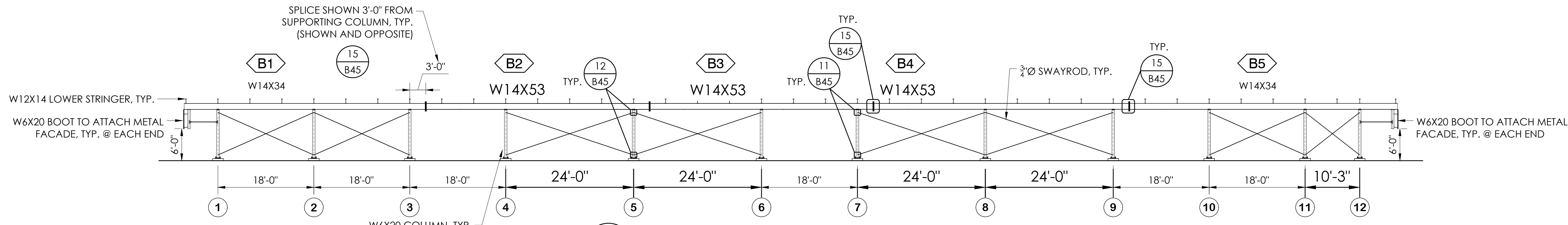
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PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

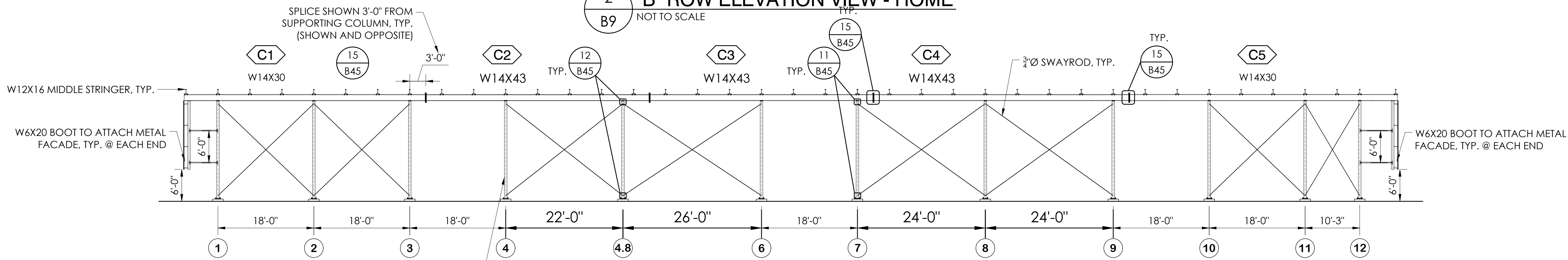
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SHEET B8 OF B47  
DATE 05/05/22  
DRAWN SMR  
CHECKED DMC



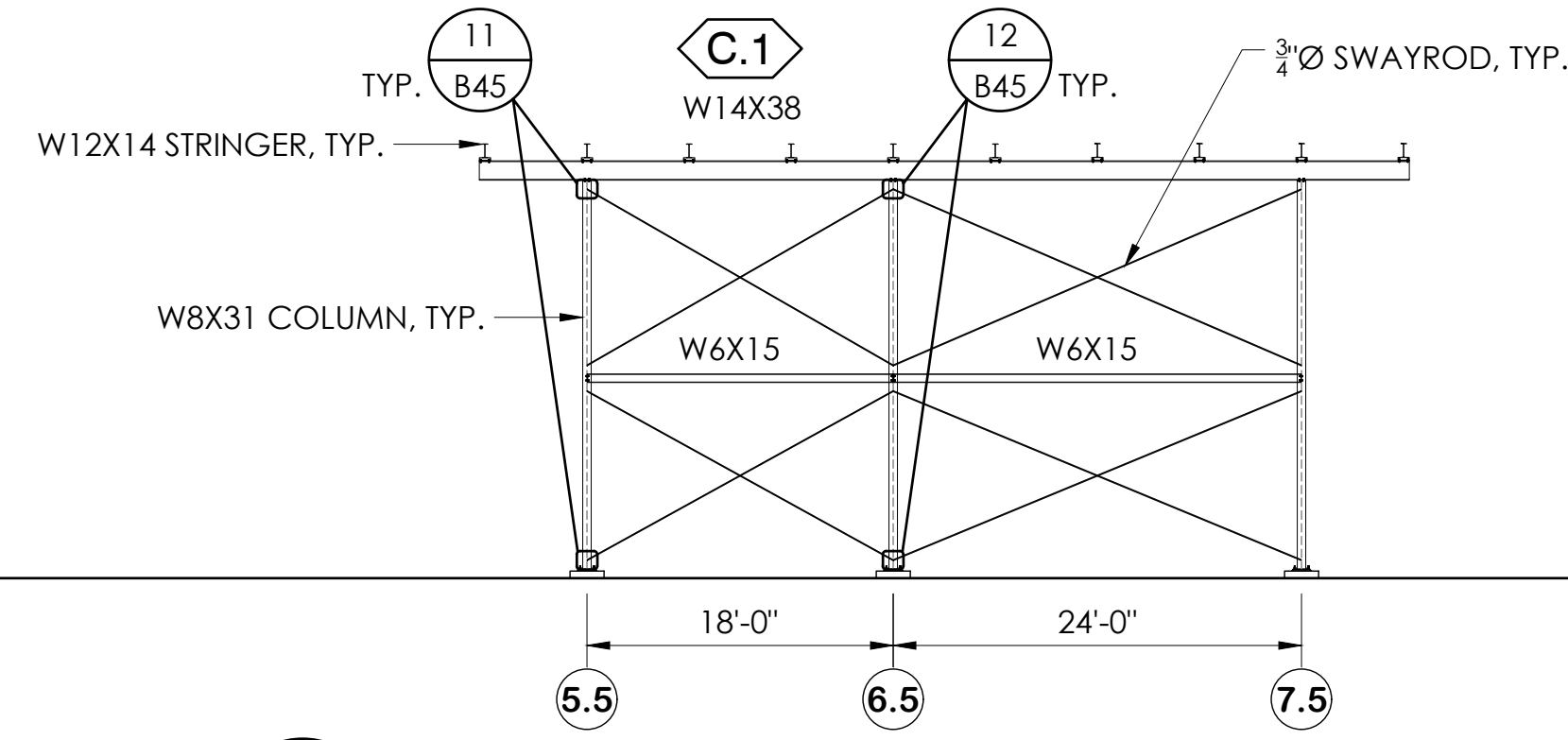
1 "A" ROW ELEVATION VIEW - HOME  
NOT TO SCALE



2 "B" ROW ELEVATION VIEW - HOME  
NOT TO SCALE



3 "C" ROW ELEVATION VIEW - HOME  
NOT TO SCALE



4 "C.1" ROW ELEVATION VIEW - HOME  
NOT TO SCALE

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ELEVATION VIEWS - HOME  
12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

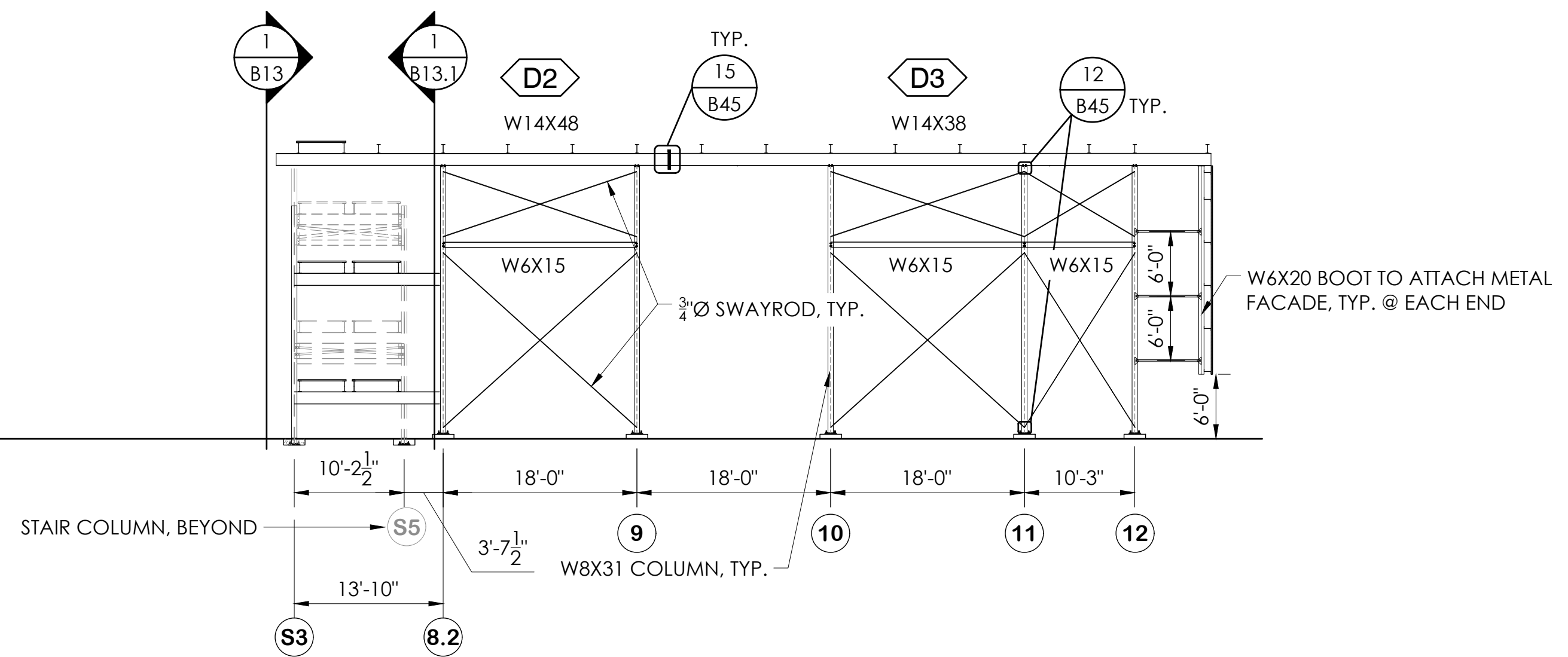
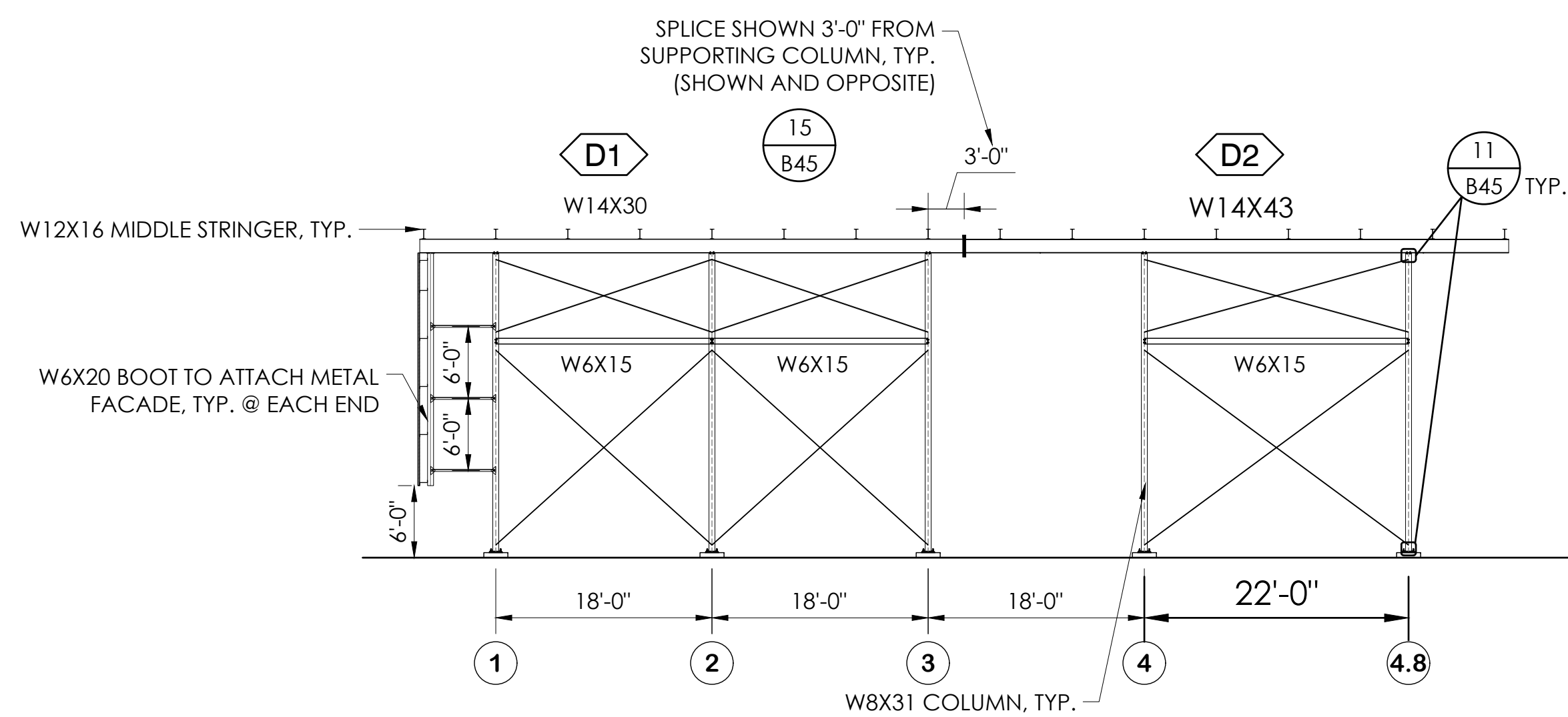
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	05/05/22		SMR	DMC

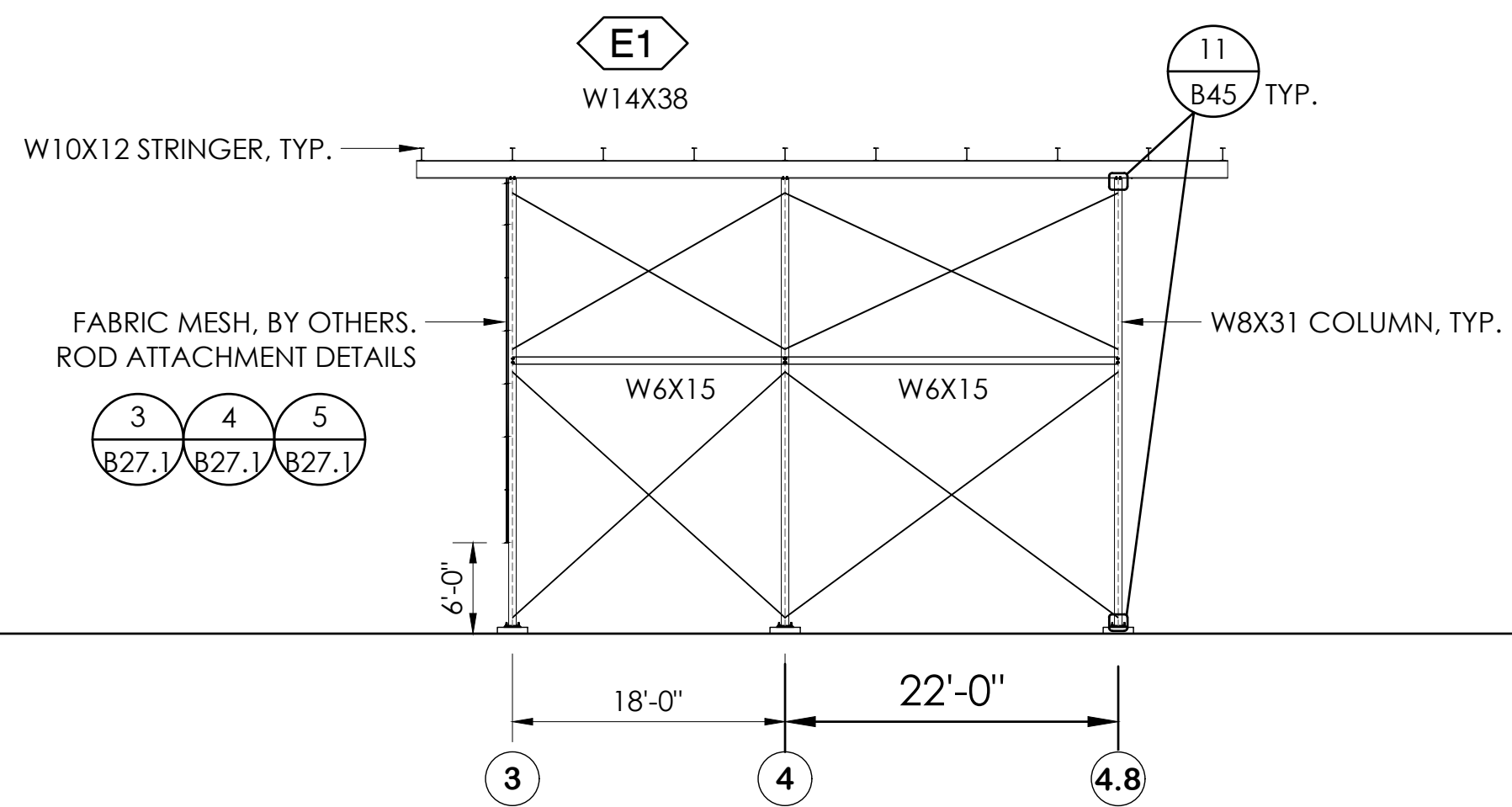
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SHEET B9 OF B47

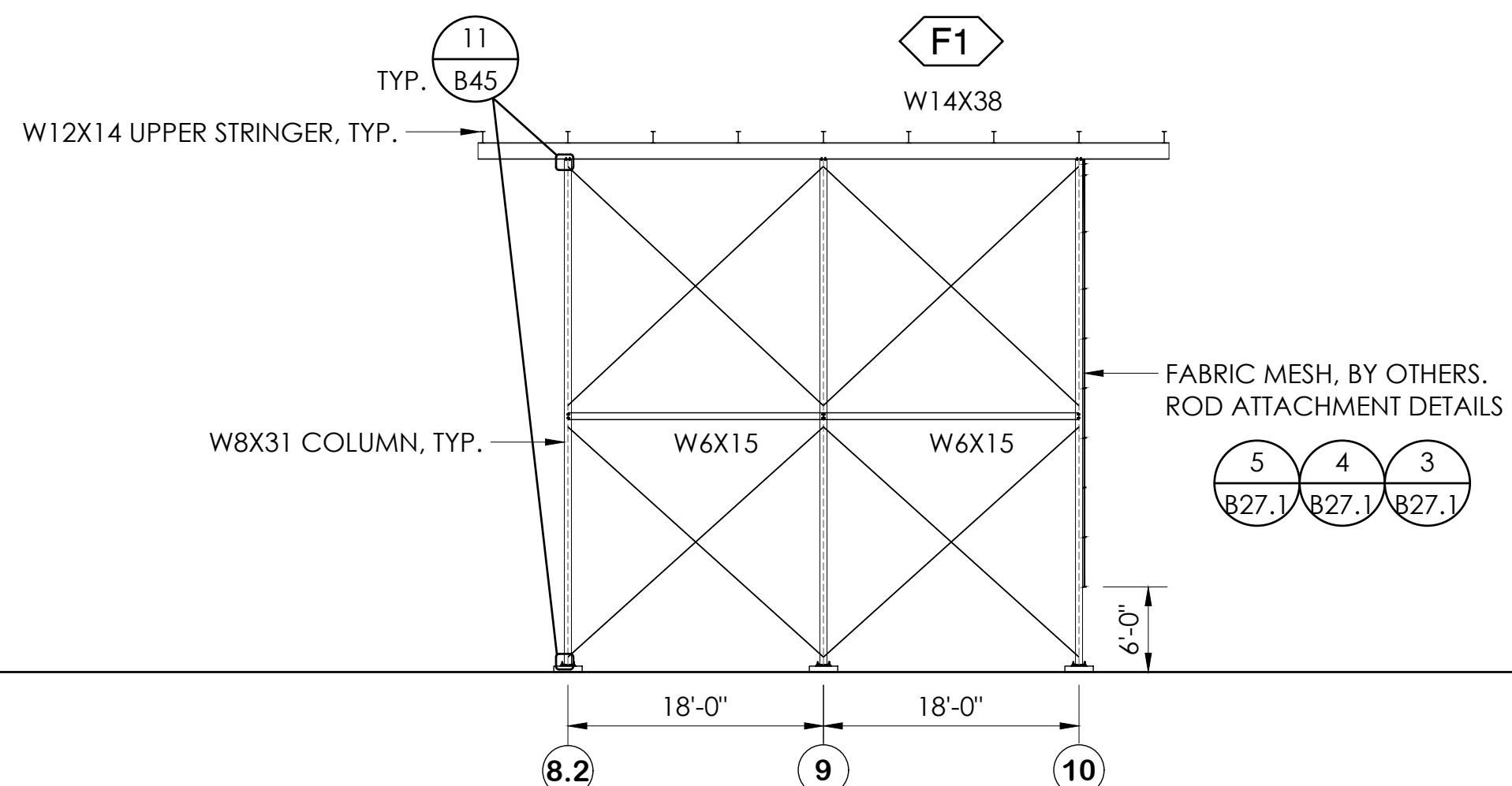
22" X 34" (11 X 17)  
= 1/2" indicated scale



1 "D" ROW ELEVATION VIEW - HOME  
B9.1 NOT TO SCALE



2 "E" ROW ELEVATION VIEW - HOME  
B9.1 NOT TO SCALE



3 "F" ROW ELEVATION VIEW - HOME  
B9.1 NOT TO SCALE

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STRUCTURAL ENGINEER  
STATE OF CALIFORNIA  
S&S 05/12/22  
PRINCIPAL

ELEVATION VIEWS - HOME  
12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

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PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	DATE	DESCRIPTION

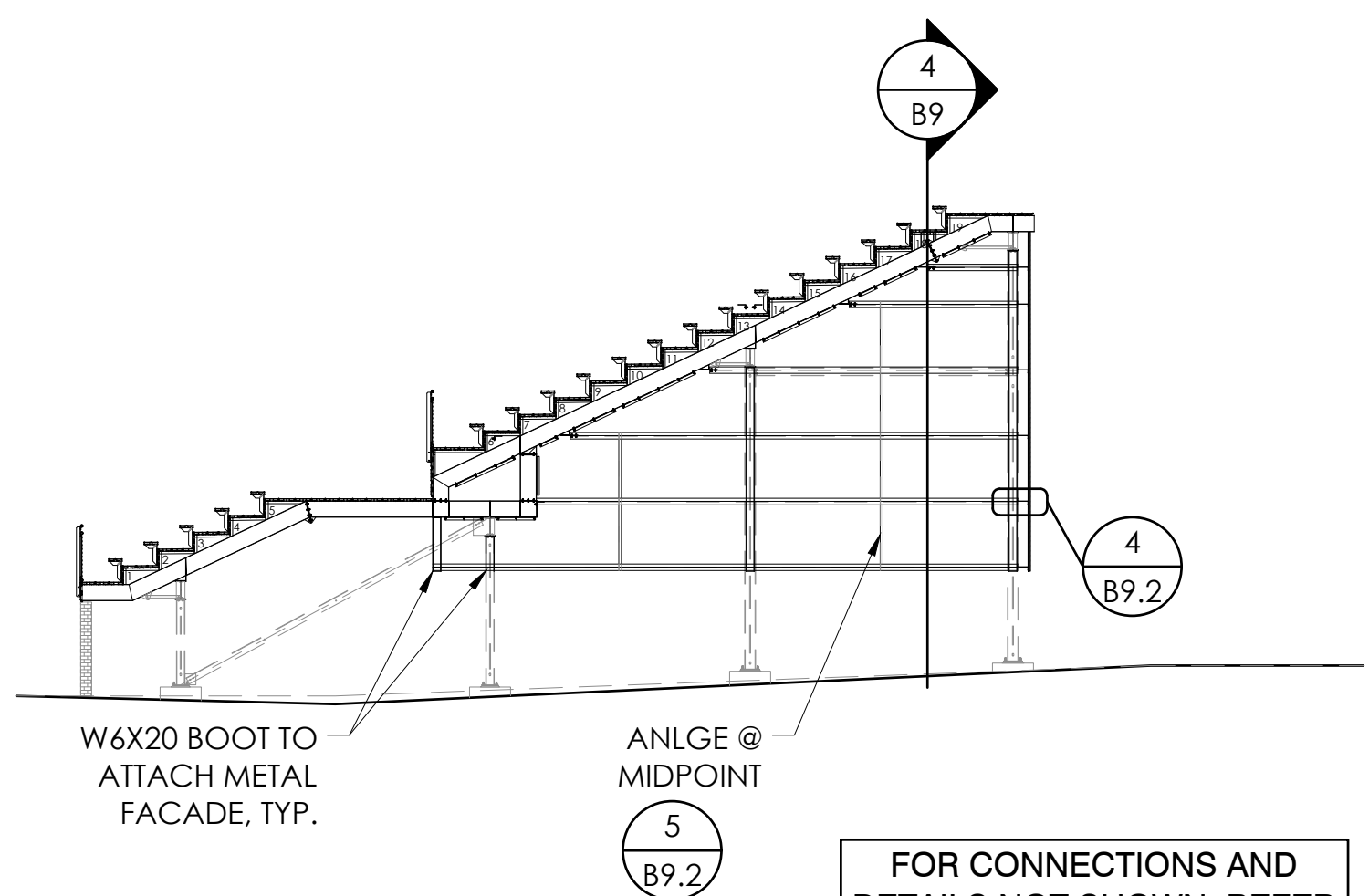
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SHEET  
**B9.1**

OR  
**B47**

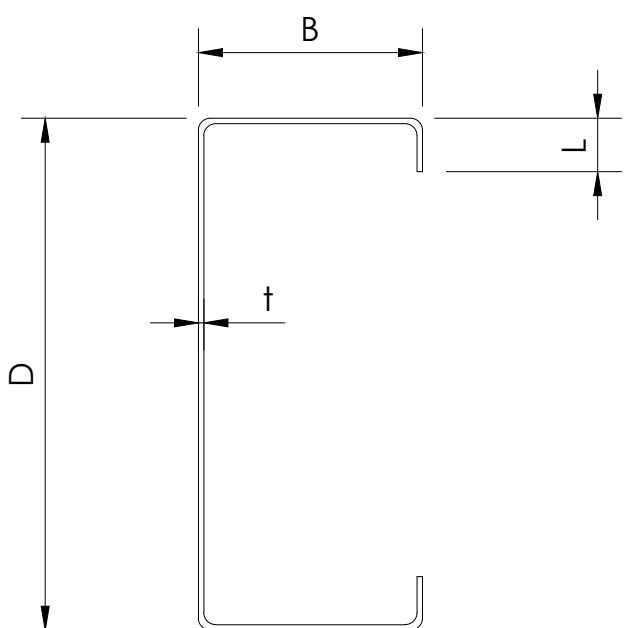
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22" X 34" (11 X 17)  
= 1/2" indicated scale



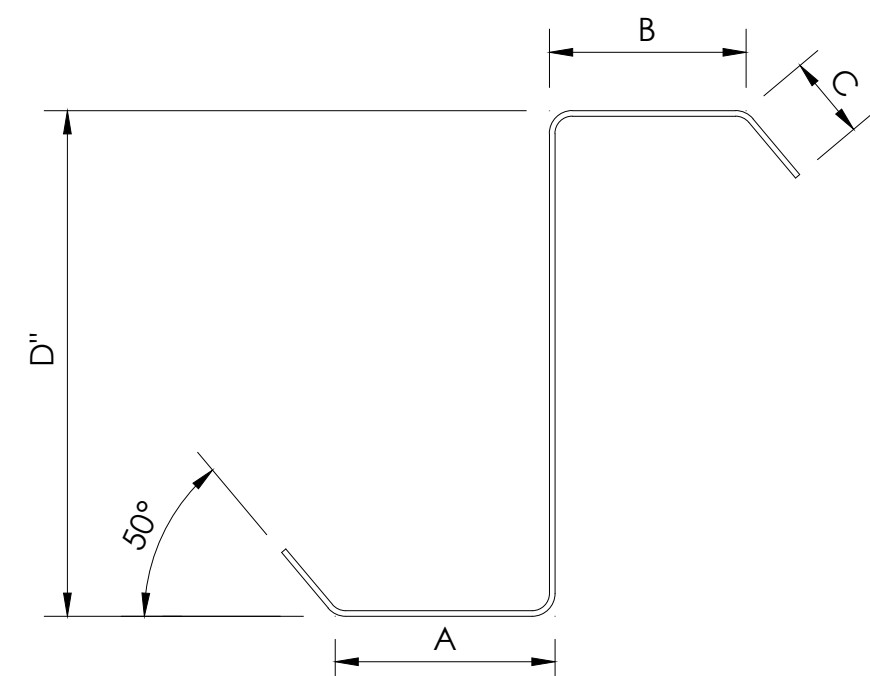
**1 SIDE ELEVATION (SHOWN AND OPPOSITE)**  
NOT TO SCALE

FOR CONNECTIONS AND DETAILS NOT SHOWN, REFER TO SHEET B12



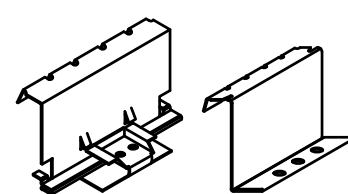
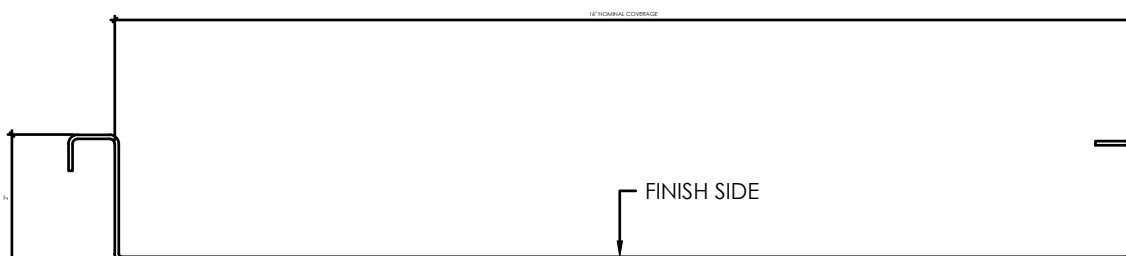
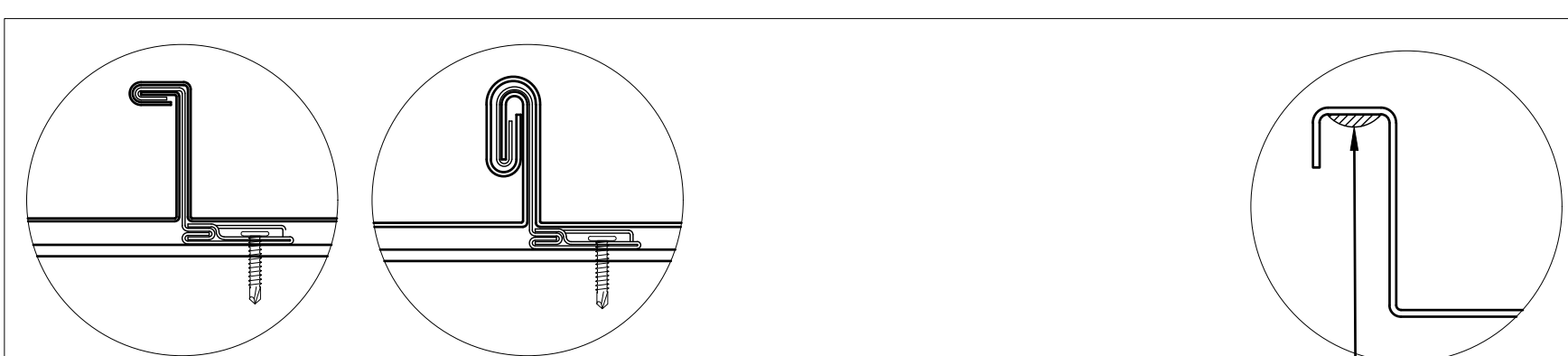
D	B	L	t	W	I <sub>x</sub>	S <sub>xe</sub>	R <sub>x</sub>
8 CS 3.5 X 0.85	8.00 in	3.5 in	0.836 in	0.085 in	4.606 PLF	13.79 in	2.864 in

**2 CEE PURLIN PROPERTIES**  
NOT TO SCALE (70mils) GRADE 55



A	B	C	D	I <sub>x</sub>	S <sub>x</sub>	R <sub>x</sub>
8.0 X 3.0 Z14	2.875 in	2.625 in	0.930 in	8.00 in	10.277 in	2.527 in

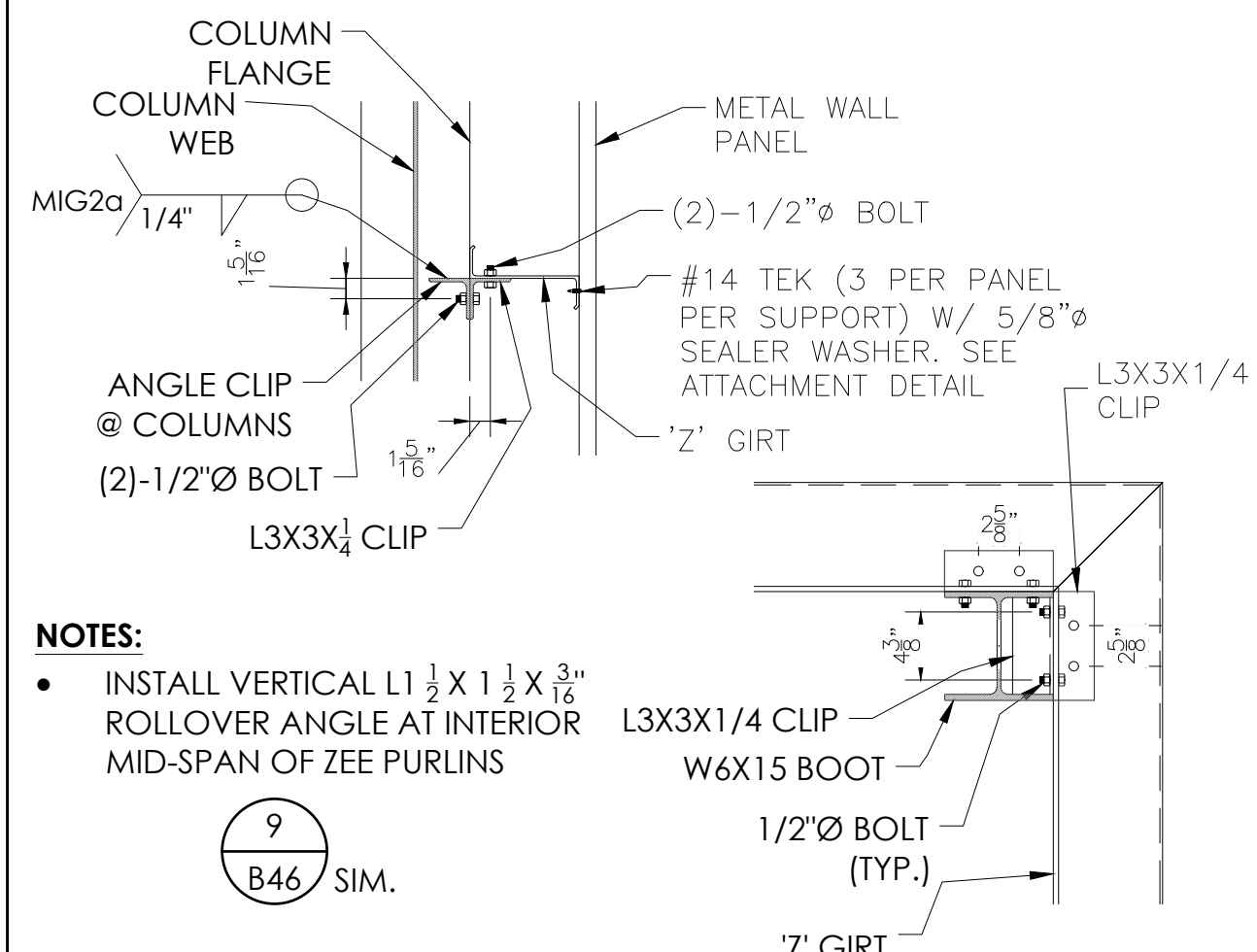
**3 ZEE PURLIN PROPERTIES**  
NOT TO SCALE GRADE 55



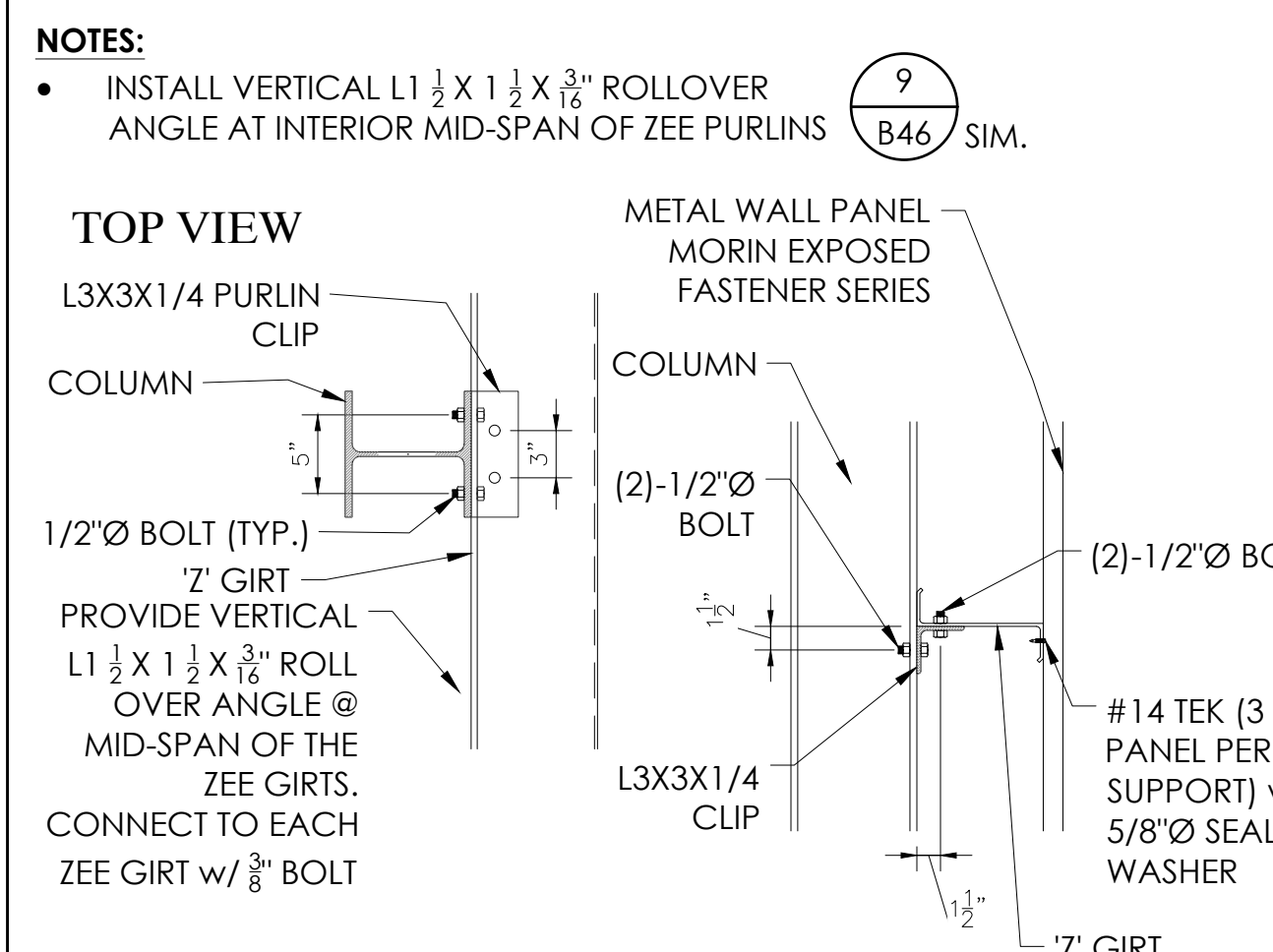
NOTES:  
1. ALL DIMENSIONS ARE NOMINAL. PANEL PROFILES MAY NOT BE TO SCALE.  
2. DIMENSIONS AND ANGLES MAY VARY SLIGHTLY BETWEEN GAUGES.  
3. THE CUSTOMER IS RESPONSIBLE FOR ALL INFORMATION ON THIS DOCUMENT.

APPROVED BY:	DATE:	JOB NO.:	SLR-16-0
CUSTOMER:		JOB NAME:	P.N: R110
COLOR:	GAUGE:	SMOOTH <input type="checkbox"/> EMBOSSED <input type="checkbox"/>	REV: 1/2018
BACKSIDE EXPOSED: YES <input type="checkbox"/> NO <input type="checkbox"/>	INSTALLATION: SLOPE: 12		
BACKSIDE COLOR:	FACTORY SEALANT REQUIRED		

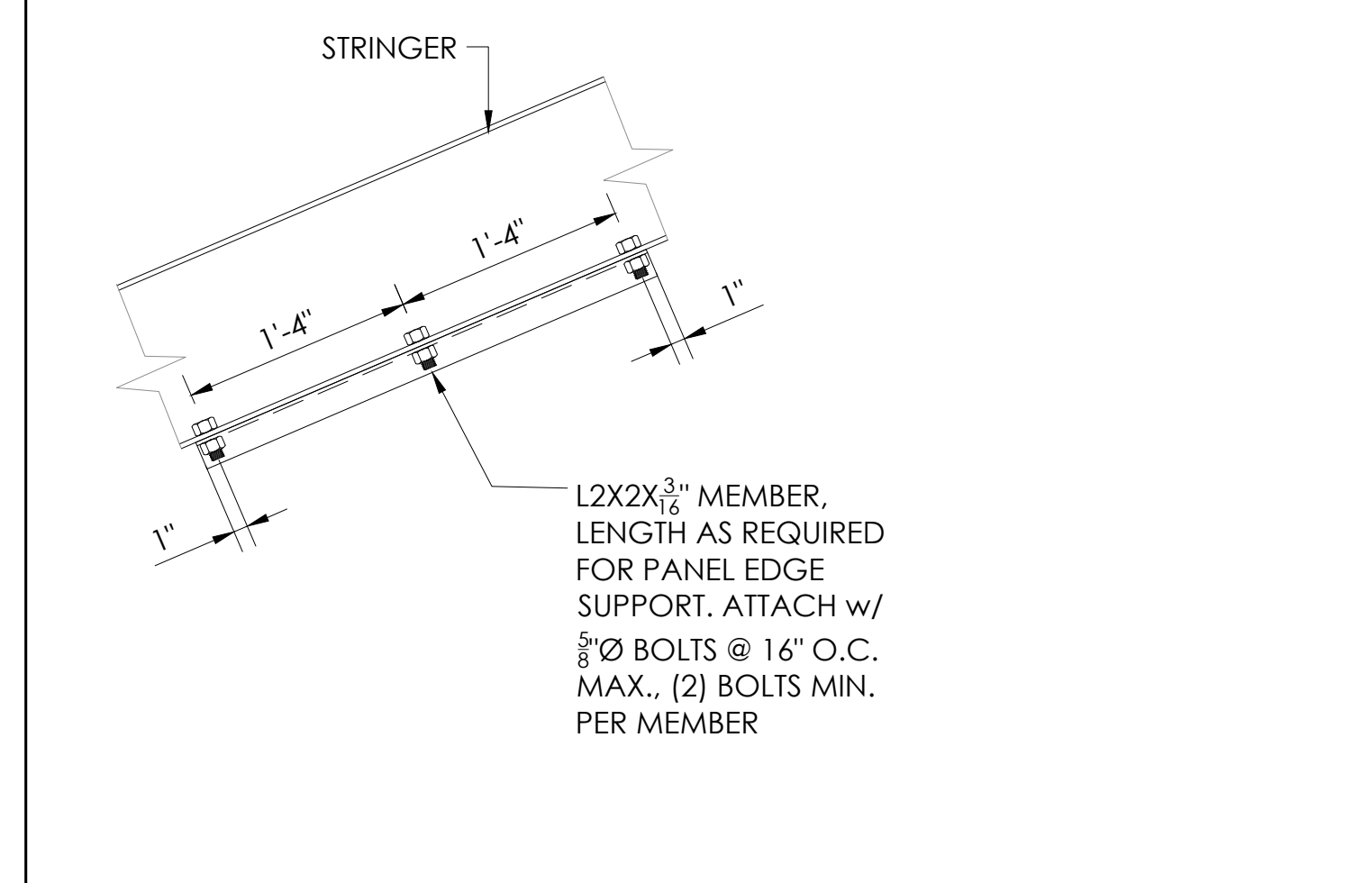
**6 METAL PANEL**  
NOT TO SCALE



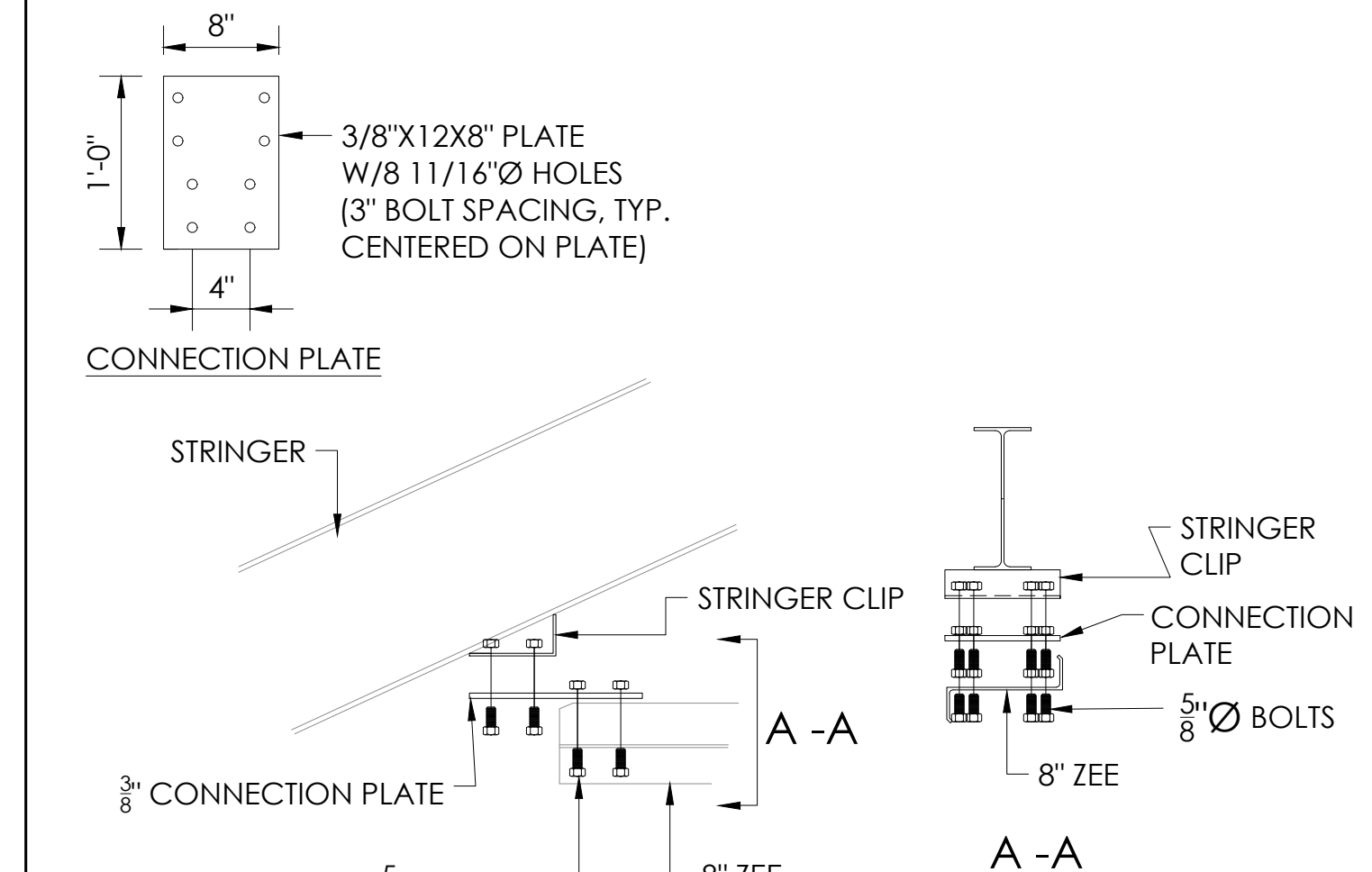
**4 CORNER ATTACHMENT DETAIL**  
NOT TO SCALE



**5 ZEE TO STRINGER CONNECTION**  
NOT TO SCALE



**6 CONNECTION DETAIL**  
NOT TO SCALE



**7 ZEE TO STRINGER CONNECTION**  
NOT TO SCALE

- METAL PANEL FACADE:**
- MANUFACTURER: MORIN
  - STYLE: SLR WALL SERIES 16" W
  - COLOR: MEDIUM GRAY (METALLIC)

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SOUTHERN BLEACHER COMPANY  
PO Box One, Graham, Texas 76650  
801 Fifth Street.  
Phone: 940/549-0733 Fax: 940/549-1365  
Established 1946

BRIAN T. DEAN  
Professional Engineer  
S 6087  
Exp. 06/30/23  
SAS 05/12/22  
PRINCIPAL  
STRUCTURAL STATE OF CALIFORNIA

ELEVATION VIEWS - HOME  
12" & 1/4" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV. BY	DATE	DESCRIPTION

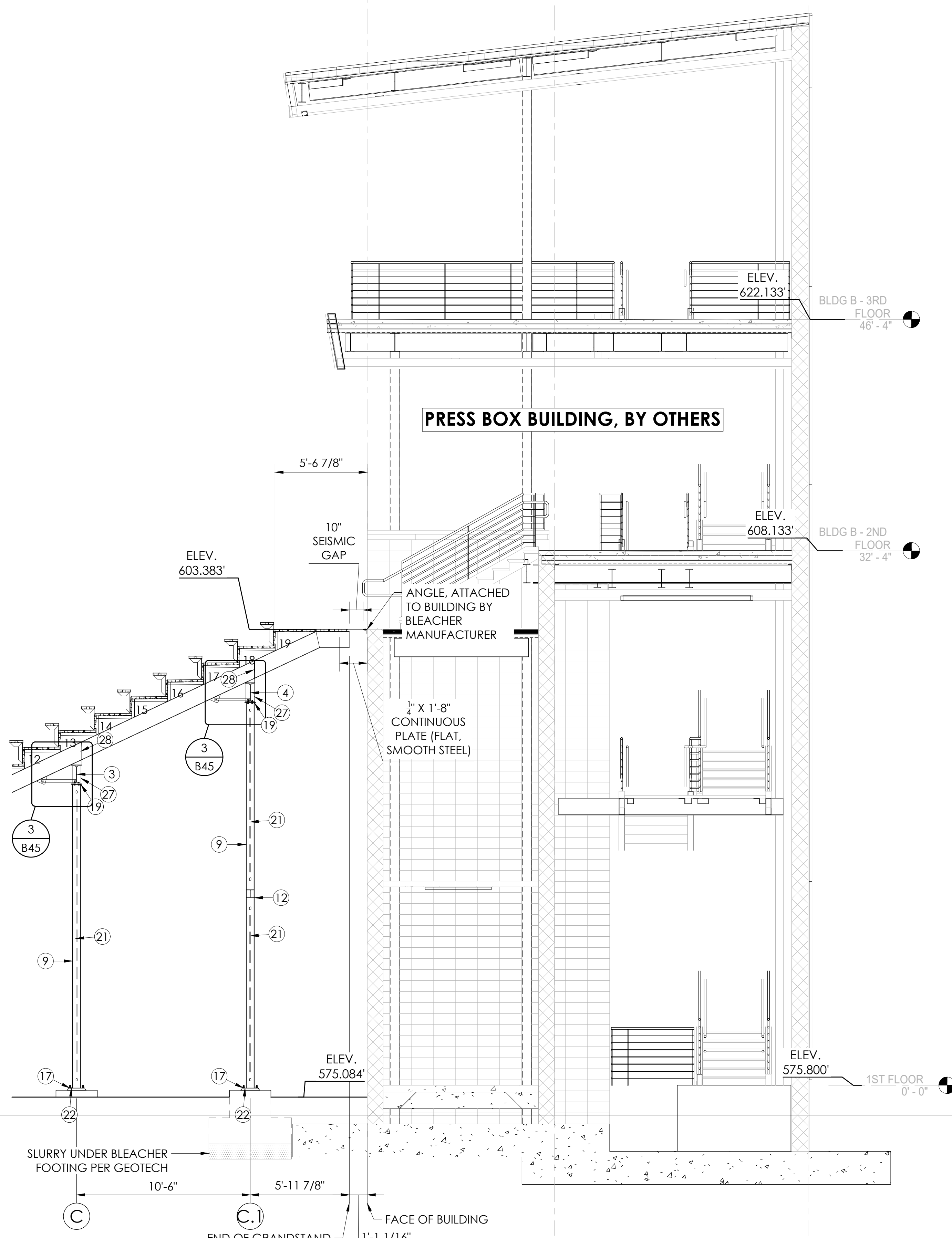
DATE: 05/05/22 DRAWN: SMR CHECKED: DMC  
JOB NUMBER: #21369  
SHEET 6 OF 6  
B9.2 B47

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

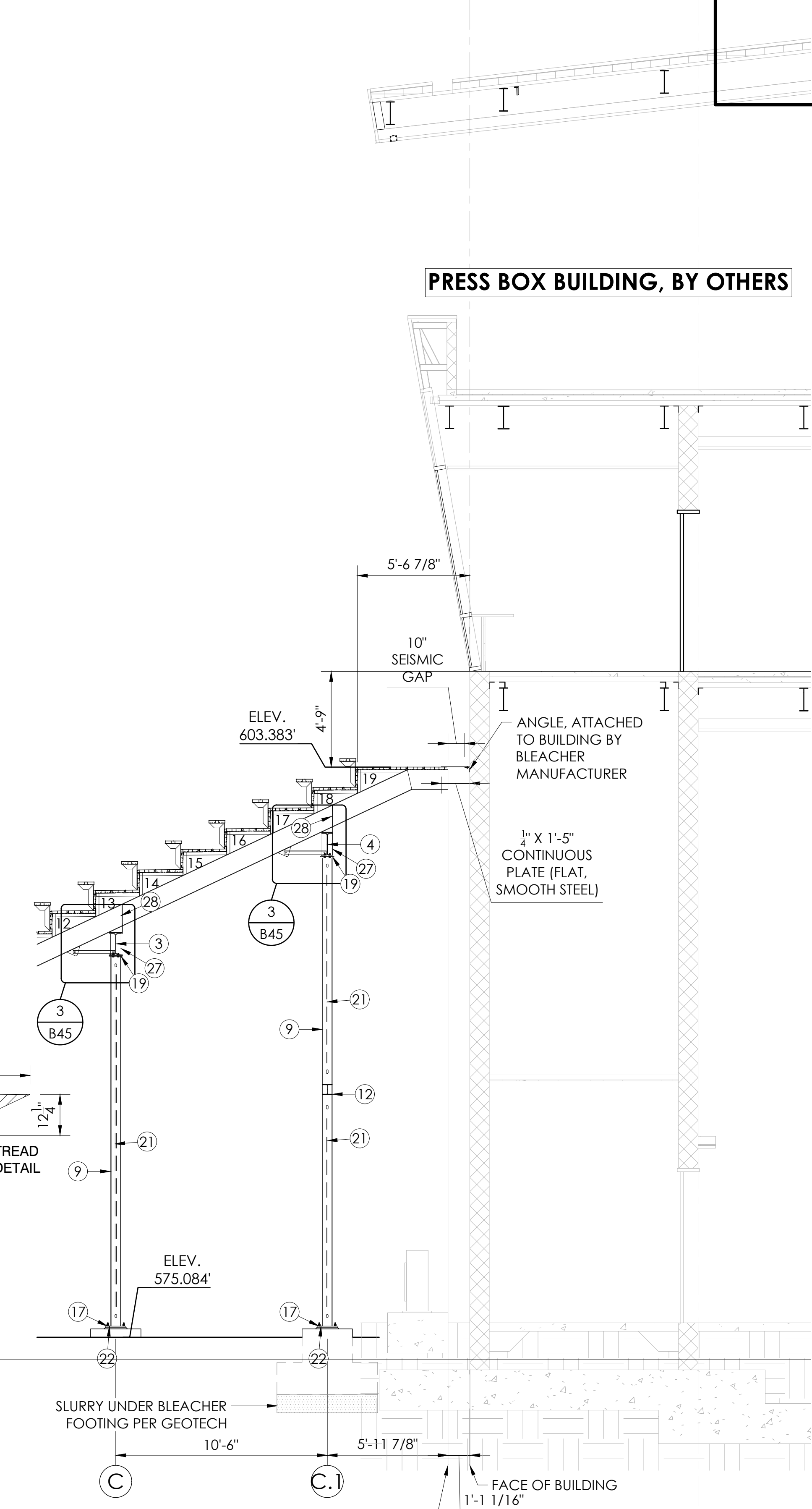


ITEM DESCRIPTION

- ① W 14 X 53 (50 ksi)  
B2, B3 HORIZONTAL BEAMS
- ② W 14 X 48 (50 ksi)  
D2 HORIZONTAL BEAM
- ③ W 14 X 43 (50 ksi)  
A2, A3, C2, C3, D2  
HORIZONTAL BEAMS
- ④ W 14 X 38 (50 ksi)  
C.1, D3, E1 HORIZONTAL BEAMS
- ⑤ W 14 X 34 (50 ksi)  
A1, B1, B4 HORIZONTAL BEAMS
- ⑥ W 14 X 30 (50 ksi)  
A4, C1, C4, F1 HORIZONTAL BEAMS
- ⑦ W 12 X 14 (50 ksi)  
UPPER & LOWER STRINGERS, U.N.O.
- ⑧ W 10 X 12 (50 ksi)  
PLATFORM STRINGERS
- ⑨ W 8 X 31 (50 ksi)  
C, C.1, D, E, F ROW COLUMNS
- ⑩ W 8 X 28 (50 ksi)  
F ROW COLUMNS
- ⑪ W 6 X 20 (50 ksi)  
A, B ROW COLUMNS
- ⑫ W 6 X 15 (50 ksi)  
STIFF LEGS
- ⑬ L 5 X 5 X 5/16 (50 ksi)
- ⑭ L 3 X 3 X 1/4 (50 ksi)
- ⑮ L 2 X 2 X 3/16 (50 ksi)
- ⑯ L 2 X 1 1/2 X 3/16 (50 ksi)
- ⑰ 14 X 14 X 5/8 PLATE
- ⑱ 12 X 12 X 5/8 PLATE
- ⑲ 8 X 8 X 3/8 PLATE
- ⑳ 6 X 8 X 3/8 PLATE
- ㉑ 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
- ㉒ 3/4 X 18 ANCHOR BOLT w /  
2 HEX HEAD NUTS & FLAT WASHER
- ㉓ 9 GAUGE GALV. STEEL CHAINLINK FENCE
- ㉔ ANODIZED ALUMINUM RAIL
- ㉕ 7 1/2 X 3/8 GUSSET PLATE (A36)
- ㉖ 5 X 3/8 GUSSET PLATE (A36)
- ㉗ 3 X 3/8 GUSSET PLATE (A36) EACH SIDE
- ㉘ 2 X 1/4 GUSSET PLATE (A36) EACH SIDE
- ㉙ W 12 X 16 (50 ksi)  
MIDDLE & STAIR TOWER STRINGERS, U.N.O.
- ㉚ W 12 X 30 (50 ksi)



**1 SECTION VIEW**  
B10 SCALE: 1/4"=1'-0"



**2 SECTION VIEW**  
B10 SCALE: 1/4"=1'-0"

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ESTABLISHED 1946

PO Box One, Graham, Texas 76450  
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**Taylor & Syfan**  
BLEACHER COMPANY

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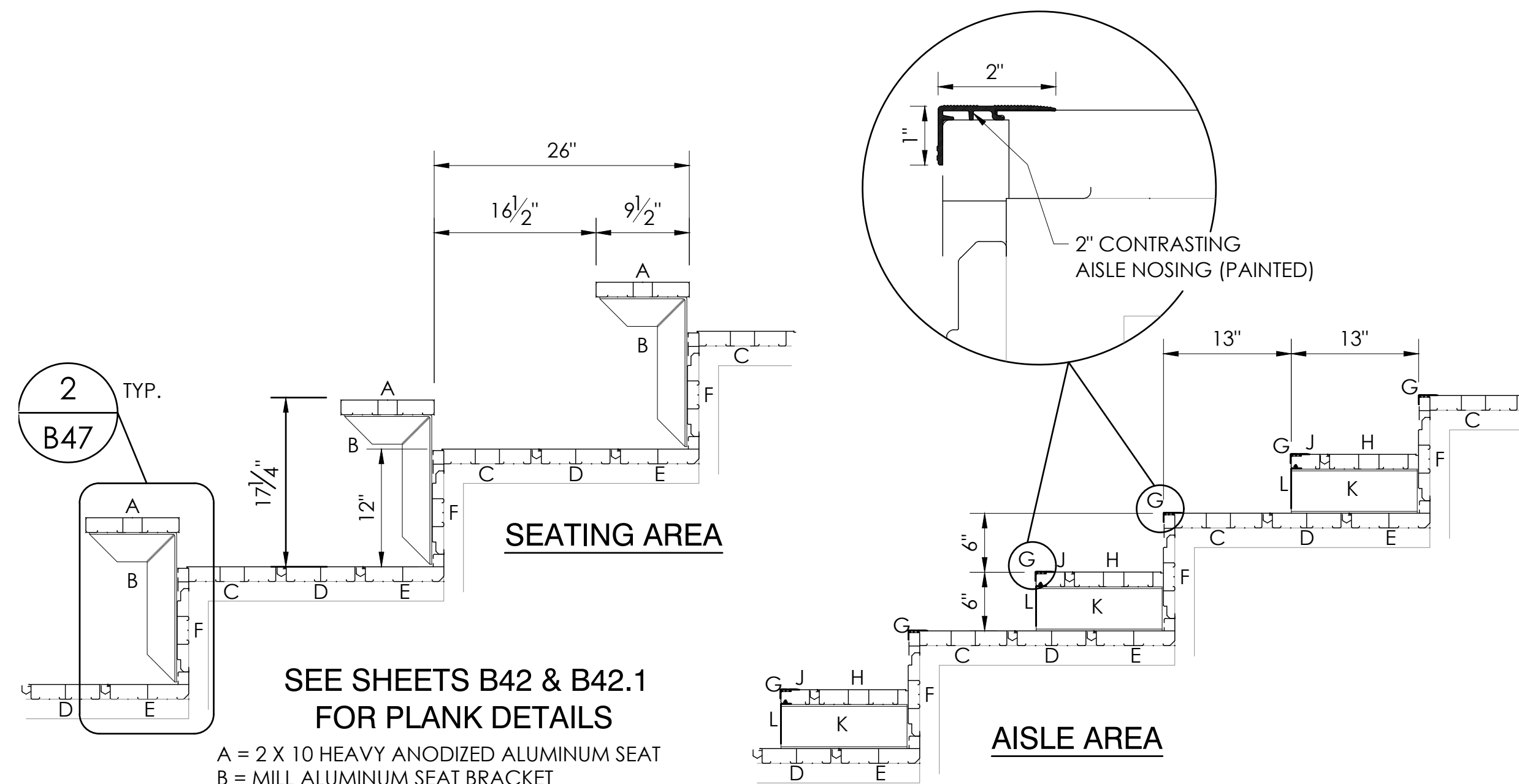
STRUCTURAL ENGINEERS  
CENTRAL OFFICE  
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Fax: (626) 793-9881  
559 S. Oak Knoll Ave., Pasadena, CA 91101  
http://www.taylorsyfan.com

**Brian T. Dean**  
REGISTERED PROFESSIONAL ENGINEER  
S 6087  
Exp. 06/30/23  
STRUCTURAL  
STATE OF CALIFORNIA  
05/12/22  
PRINCIPAL

SECTION VIEWS - HOME	12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)
PROJECT	PALOMAR COMMUNITY COLLEGE PALOMAR COMMUNITY COLLEGE DISTRICT SAN MARCOS, CALIFORNIA
DATE	05/05/22
DRAWN	SMR
CHECKED	DMC
JOB NUMBER	#21369
SHEET	B10
OF	B47

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

- ITEM DESCRIPTION
- ① W 14 X 53 (50 ksi)  
B2, B3 HORIZONTAL BEAMS
  - ② W 14 X 48 (50 ksi)  
D2 HORIZONTAL BEAM
  - ③ W 14 X 43 (50 ksi)  
A2, A3, C2, C3, D2 HORIZONTAL BEAMS
  - ④ W 14 X 38 (50 ksi)  
C.1, D3, E1 HORIZONTAL BEAMS
  - ⑤ W 14 X 34 (50 ksi)  
A1, B1, B4 HORIZONTAL BEAMS
  - ⑥ W 14 X 30 (50 ksi)  
A4, C1, C4, F1 HORIZONTAL BEAMS
  - ⑦ W 12 X 14 (50 ksi)  
UPPER & LOWER STRINGERS, U.N.O.
  - ⑧ W 10 X 12 (50 ksi)  
PLATFORM STRINGERS
  - ⑨ W 8 X 31 (50 ksi)  
C, C.1, D, E, F ROW COLUMNS
  - ⑩ W 8 X 28 (50 ksi)  
F ROW COLUMNS
  - ⑪ W 6 X 20 (50 ksi)  
A, B ROW COLUMNS
  - ⑫ W 6 X 15 (50 ksi)  
STIFF LEGS
  - ⑬ L 5 X 5 X 5/16 (50 ksi)
  - ⑭ L 3 X 3 X 1/4 (50 ksi)
  - ⑮ L 2 X 2 X 3/16 (50 ksi)
  - ⑯ L 2 X 1 1/2 X 3/16 (50 ksi)
  - ⑰ 14 X 14 X 5/8 PLATE
  - ⑱ 8 X 8 X 3/8 PLATE
  - ⑲ 8 X 8 X 3/8 PLATE
  - ⑳ 6 X 8 X 3/8 PLATE
  - ㉑ 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
  - ㉒ 3/4 X 18 ANCHOR BOLT w /  
2 HEX HEAD NUTS & FLAT WASHER
  - ㉓ 9 GAUGE GALV. STEEL CHAINLINK FENCE
  - ㉔ ANODIZED ALUMINUM RAIL
  - ㉕ 7 1/2 X 3/8 GUSSET PLATE (A36)
  - ㉖ 5 X 3/8 GUSSET PLATE (A36)
  - ㉗ 3 X 3/8 GUSSET PLATE (A36) EACH SIDE
  - ㉘ 2 X 1/4 GUSSET PLATE (A36) EACH SIDE
  - ㉙ W 12 X 16 (50 ksi)  
MIDDLE & STAIR TOWER STRINGERS, U.N.O.
  - ㉚ W 12 X 30 (50 ksi)

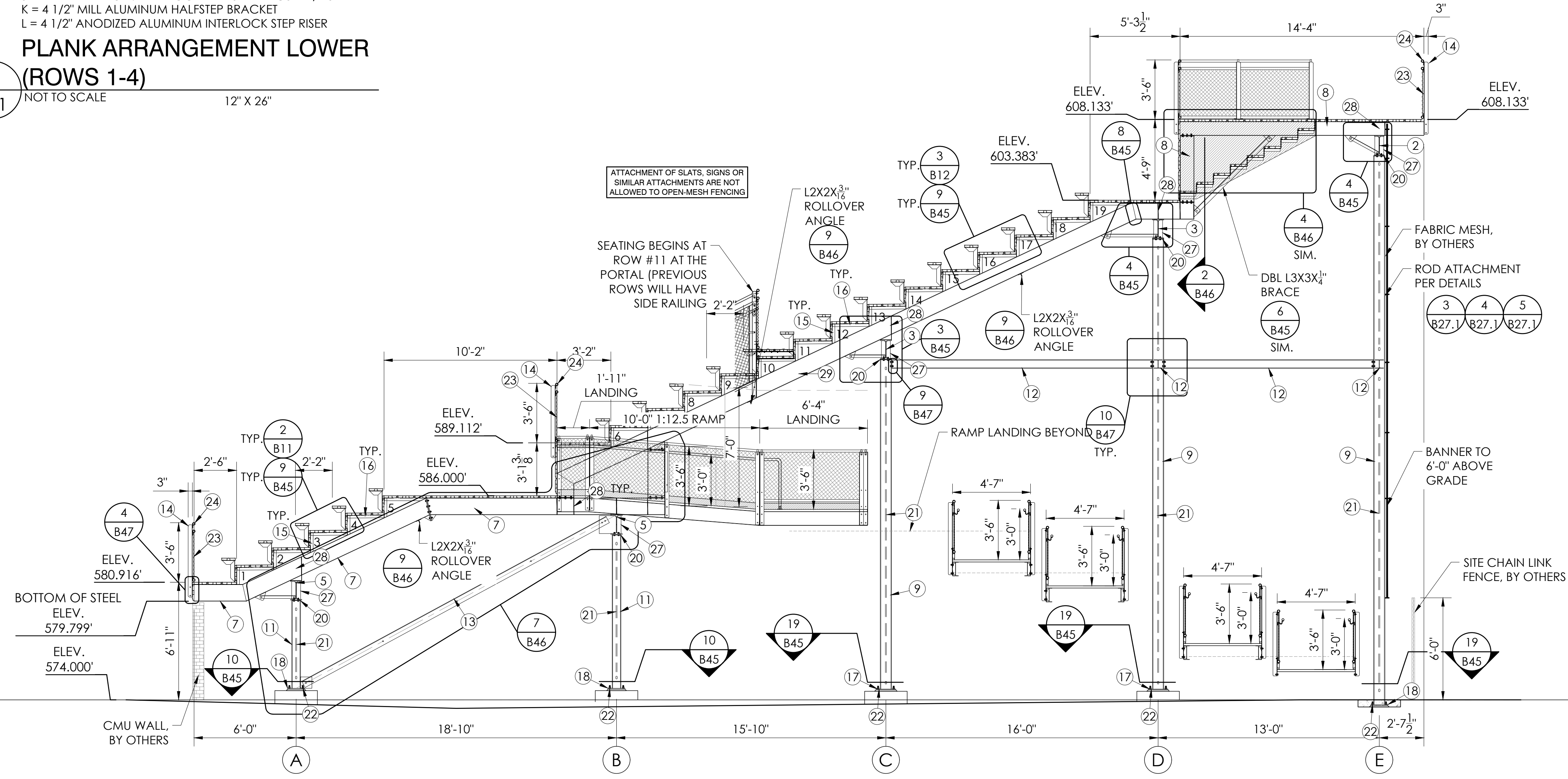
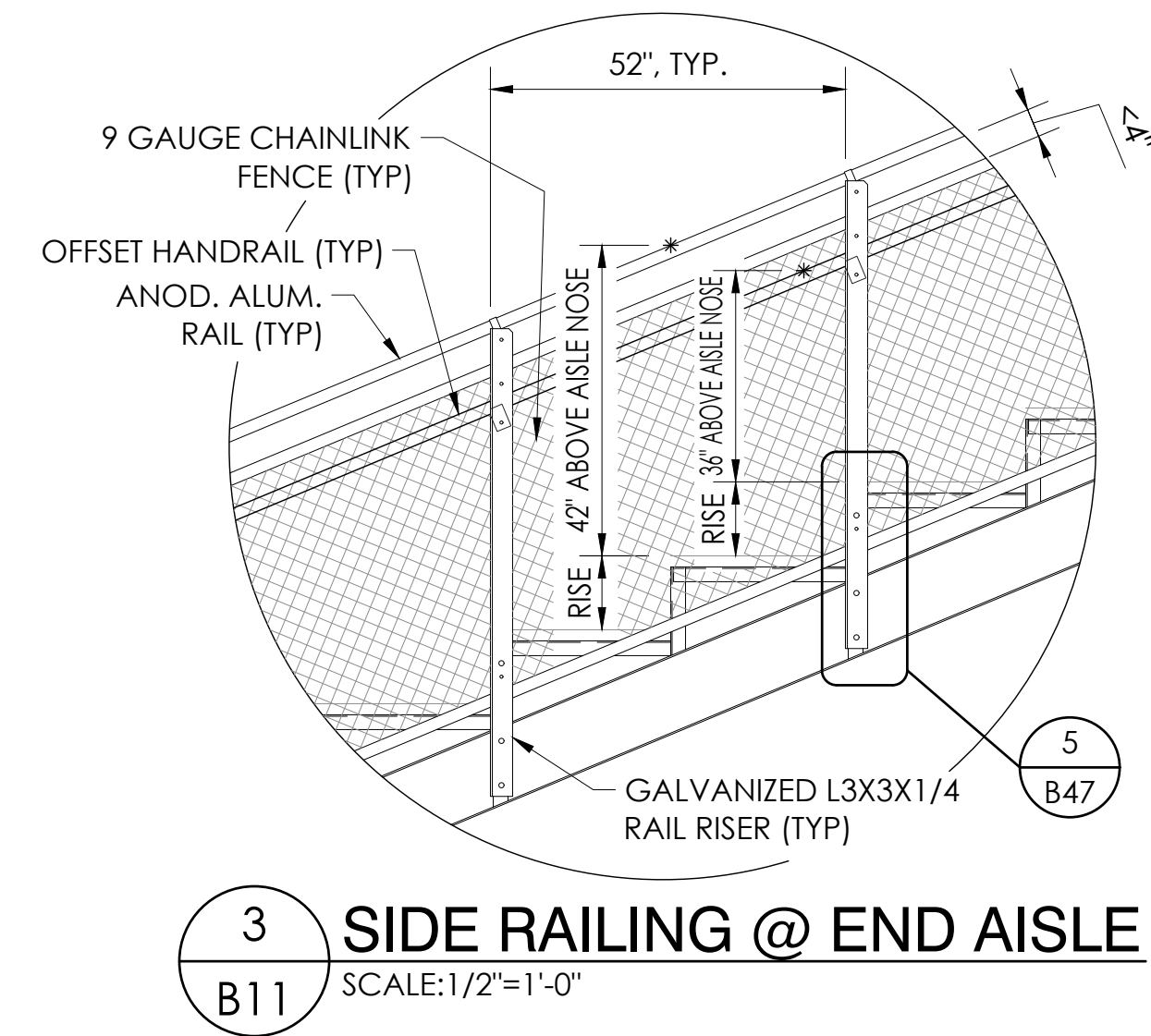


A = 2 X 10 HEAVY ANODIZED ALUMINUM SEAT  
 B = MILL ALUMINUM SEAT BRACKET  
 C = 2 X 10 MILL ALUMINUM INTERLOCK 2000 TREAD - NOSE  
 D = 2 X 8 MILL ALUMINUM INTERLOCK TREAD - DECK  
 E = 2 X 8 MILL ALUMINUM INTERLOCK 2000 TREAD - HEEL  
 F = 1 X 8 1/2 FLAT DUR-KYN & ANODIZED ALUMINUM RISER  
 REFER TO SHEET A1.53 OF ARCHITECT PLANS

G = 1 X 2 PAINTED ALUMINUM CONTRASTING NOSING (BLACK)  
 H = 2 X 9 MILL ALUM. INTERLOCK HALFSTEP - DECK  
 J = 2 X 4 MILL ALUM. INTERLOCK HALFSTEP - NOSE W/RISER  
 K = 4 1/2" MILL ALUMINUM HALFSTEP BRACKET  
 L = 4 1/2" ANODIZED ALUMINUM INTERLOCK STEP RISER

PLANK ARRANGEMENT LOWER (ROWS 1-4)

② B11 NOT TO SCALE 12" X 26"



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BRIAN T. DEAN  
 S 6087  
 Exp. 06/30/23  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF CALIFORNIA  
 05/12/22  
 PRINCIPAL

SECTION VIEWS - HOME  
 12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

REV	DATE	DESCRIPTION

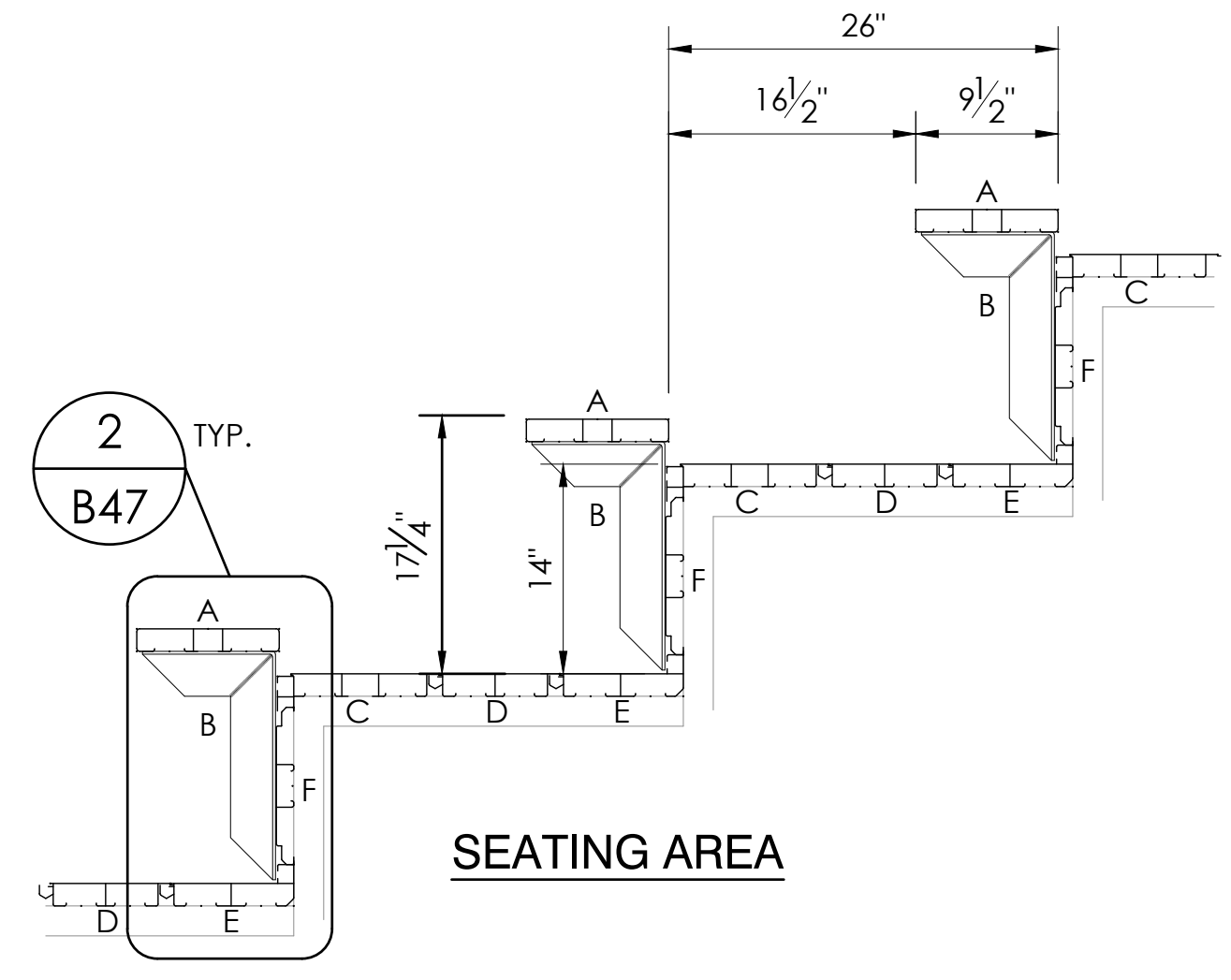
DATE: 05/05/22  
 DRAWN: SMR  
 CHECKED: DMC

JOB NUMBER: #21369

SHEET: B11 OF B47

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

- ITEM DESCRIPTION**
- ① W 14 X 53 (50 ksi)  
B2, B3 HORIZONTAL BEAMS
  - ② W 14 X 48 (50 ksi)  
D2 HORIZONTAL BEAM
  - ③ W 14 X 43 (50 ksi)  
A2, A3, C2, C3, D2  
HORIZONTAL BEAMS
  - ④ W 14 X 38 (50 ksi)  
C.1, D3, E1 HORIZONTAL BEAMS
  - ⑤ W 14 X 34 (50 ksi)  
A1, B1, B4 HORIZONTAL BEAMS
  - ⑥ W 14 X 30 (50 ksi)  
A4, C1, C4, F1 HORIZONTAL BEAMS
  - ⑦ W 12 X 14 (50 ksi)  
UPPER & LOWER STRINGERS, U.N.O.
  - ⑧ W 10 X 12 (50 ksi)  
PLATFORM STRINGERS
  - ⑨ W 8 X 31 (50 ksi)  
C, C.1, D, E, F ROW COLUMNS
  - ⑩ W 8 X 28 (50 ksi)  
F ROW COLUMNS
  - ⑪ W 6 X 20 (50 ksi)  
A, B ROW COLUMNS
  - ⑫ W 6 X 15 (50 ksi)  
STIFF LEGS
  - ⑬ L 5 X 5 X 5/16 (50 ksi)
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  - ⑮ L 2 X 2 X 3/16 (50 ksi)
  - ⑯ L 2 X 1 1/2 X 3/16 (50 ksi)
  - ⑰ 14 X 14 X 5/8 PLATE
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  - ⑲ 8 X 8 X 3/8 PLATE
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  - ㉑ 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
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  - ㉓ 9 GAUGE GALV. STEEL CHAINLINK FENCE
  - ㉔ ANODIZED ALUMINUM RAIL
  - ㉕ 7 1/2 X 3/8 GUSSET PLATE (A36)
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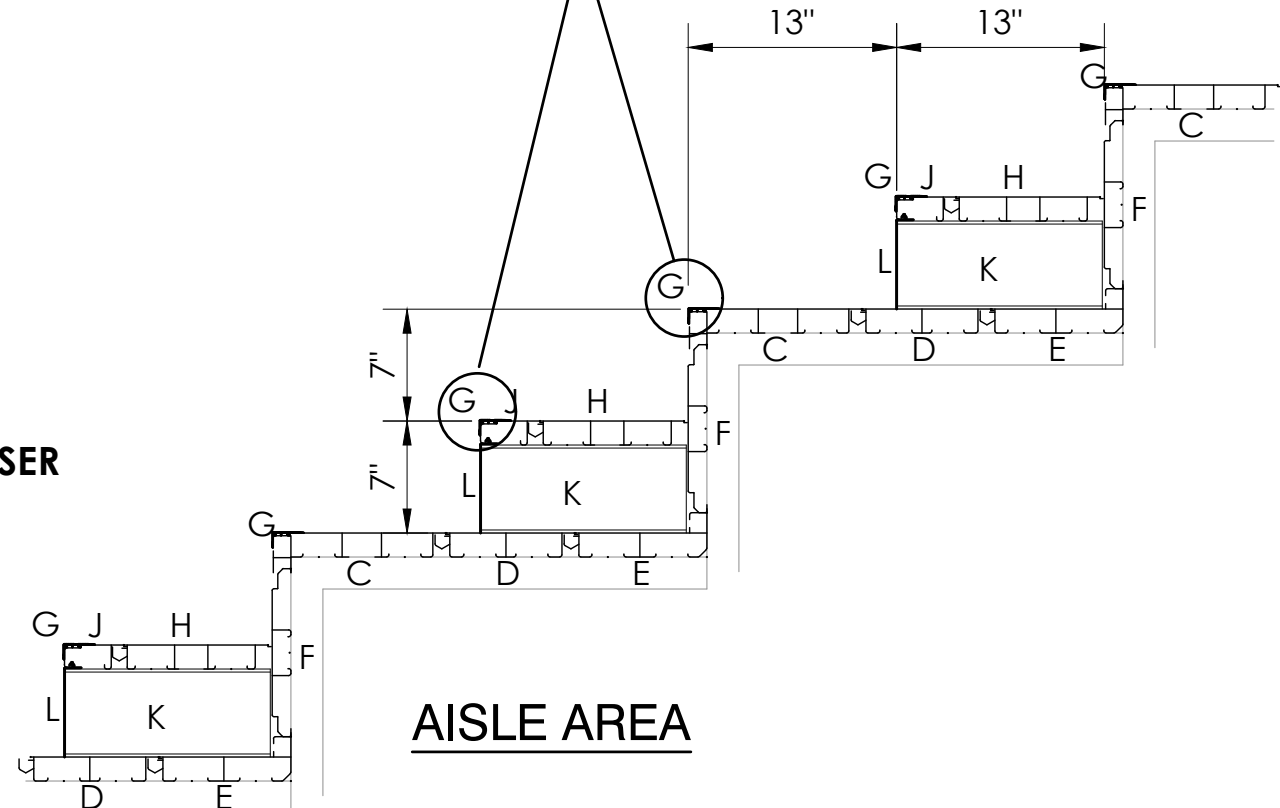


**SEE SHEETS B42 & B42.1 FOR PLANK DETAILS**

A = 2 X 10 HEAVY ANODIZED ALUMINUM SEAT  
 B = MILL ALUMINUM SEAT BRACKET  
 C = 2 X 10 MILL ALUMINUM INTERLOCK 2000 TREAD - NOSE  
 D = 2 X 8 MILL ALUMINUM INTERLOCK 2000 TREAD - DECK  
 E = 2 X 8 MILL ALUMINUM INTERLOCK 2000 TREAD - HEEL  
 F = 1 X 10 1/2 FLAT DUR-KYN & ANODIZED ALUMINUM RISER

**REFER TO SHEET A1.53 OF ARCHITECT PLANS**

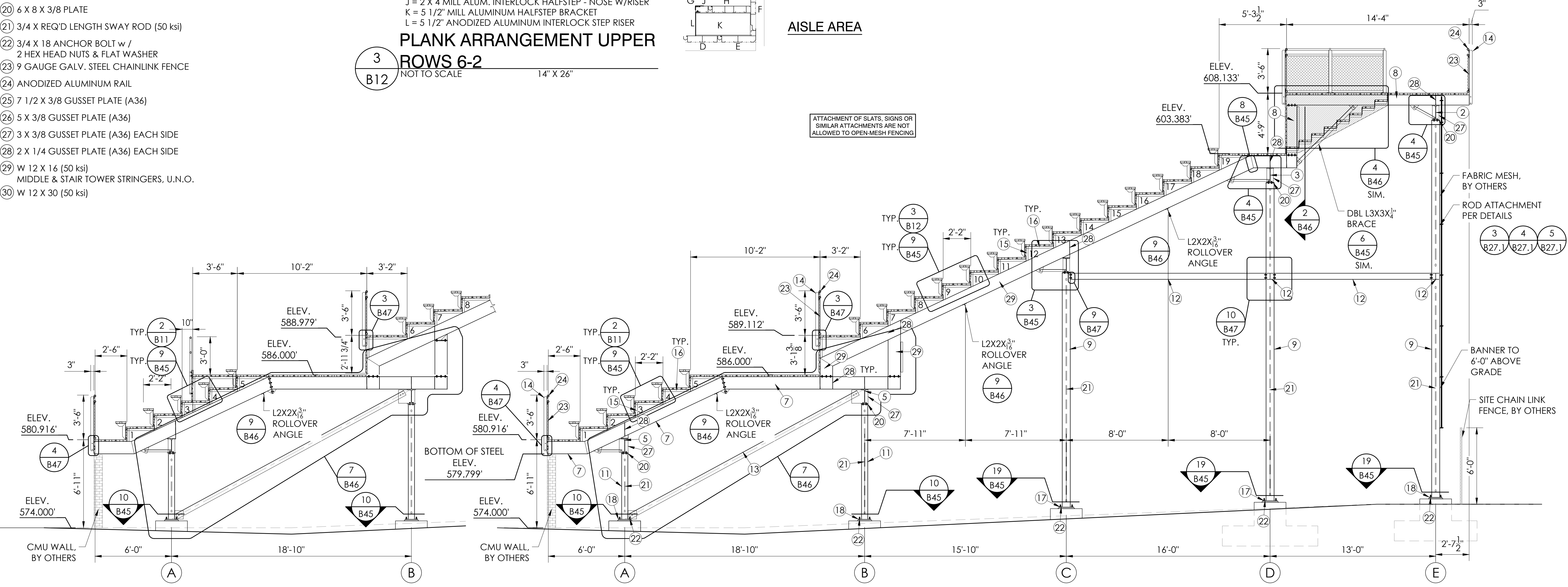
G = 1 X 2 PAINTED ALUMINUM CONTRASTING NOSING (BLACK)  
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 K = 5 1/2" MILL ALUMINUM HALFSTEP BRACKET  
 L = 5 1/2" ANODIZED ALUMINUM INTERLOCK STEP RISER



**PLANK ARRANGEMENT UPPER ROWS 6-2**

NOT TO SCALE 14" X 26"

ATTACHMENT OF SLATS, SIGNS OR SIMILAR ATTACHMENTS ARE NOT ALLOWED TO OPEN-MESH FENCING



**1 SECTION VIEW @ W/C AREA**  
SCALE: 1/4"=1'-0"

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

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SECTION VIEWS - HOME  
 12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

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 PALOMAR COMMUNITY COLLEGE DISTRICT  
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REV	DATE	DESCRIPTION

DATE: 05/05/22  
 DRAWN: SMR  
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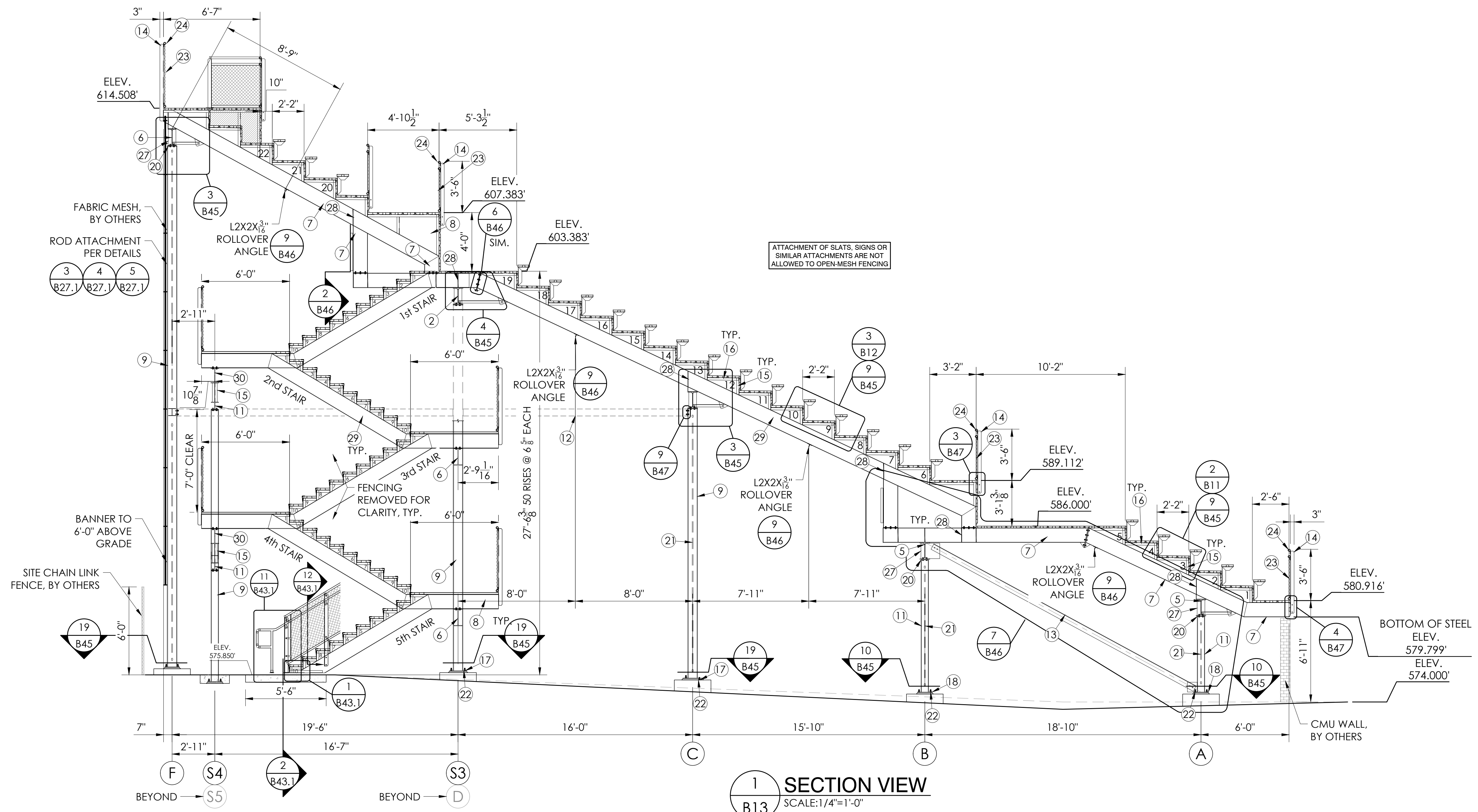
JOB NUMBER: #21369

SHEET: B12 OF B47

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



- ITEM DESCRIPTION
- ① W 14 X 53 (50 ksi)  
B2, B3 HORIZONTAL BEAMS
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D2 HORIZONTAL BEAM
  - ③ W 14 X 43 (50 ksi)  
A2, A3, C2, C3, D2  
HORIZONTAL BEAMS
  - ④ W 14 X 38 (50 ksi)  
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  - ⑤ W 14 X 34 (50 ksi)  
A1, B1, B4 HORIZONTAL BEAMS
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  - ⑧ W 10 X 12 (50 ksi)  
PLATFORM STRINGERS
  - ⑨ W 8 X 31 (50 ksi)  
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  - ⑩ W 8 X 28 (50 ksi)  
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  - ⑪ W 6 X 20 (50 ksi)  
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  - ㉚ W 12 X 30 (50 ksi)



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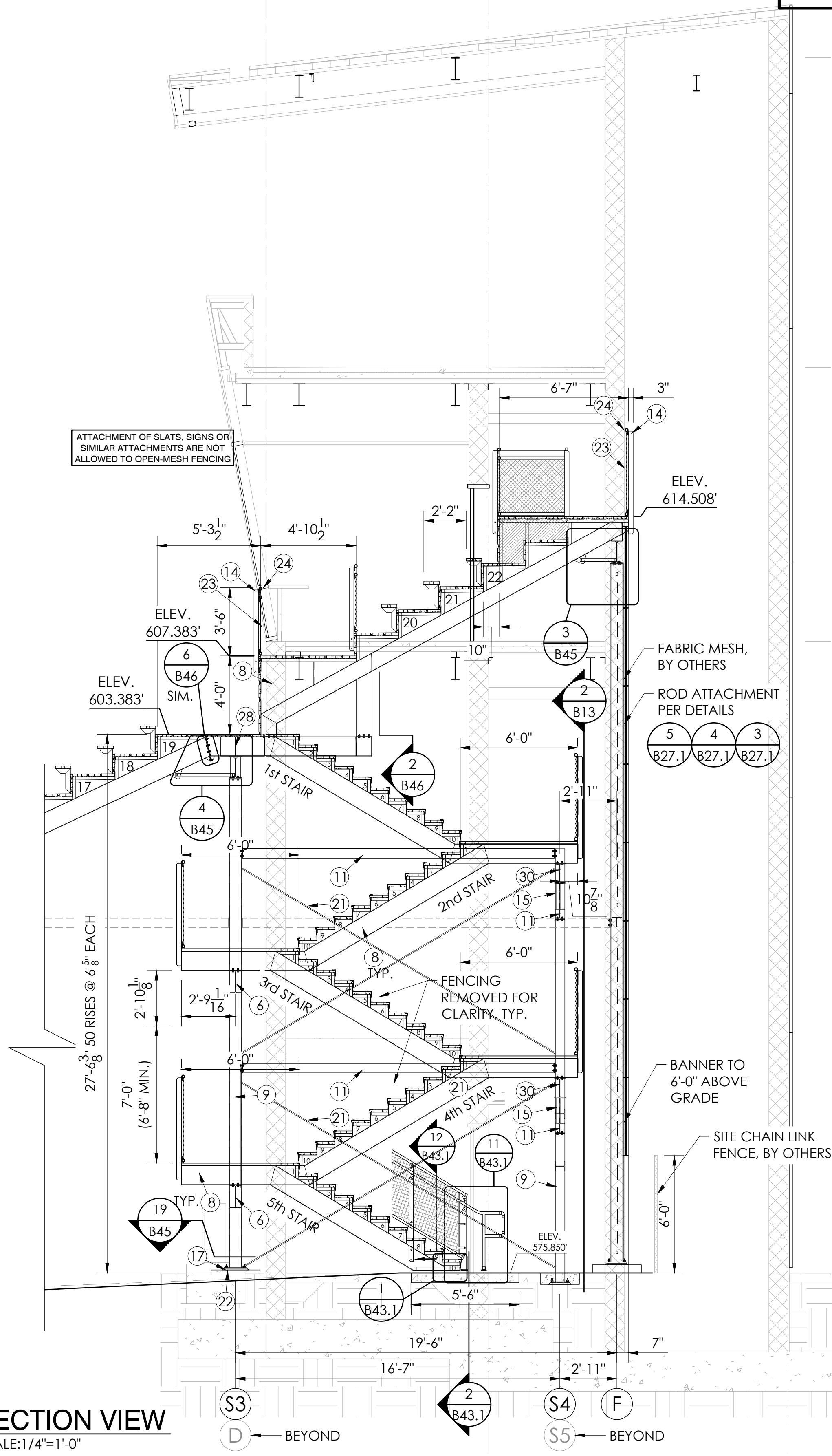
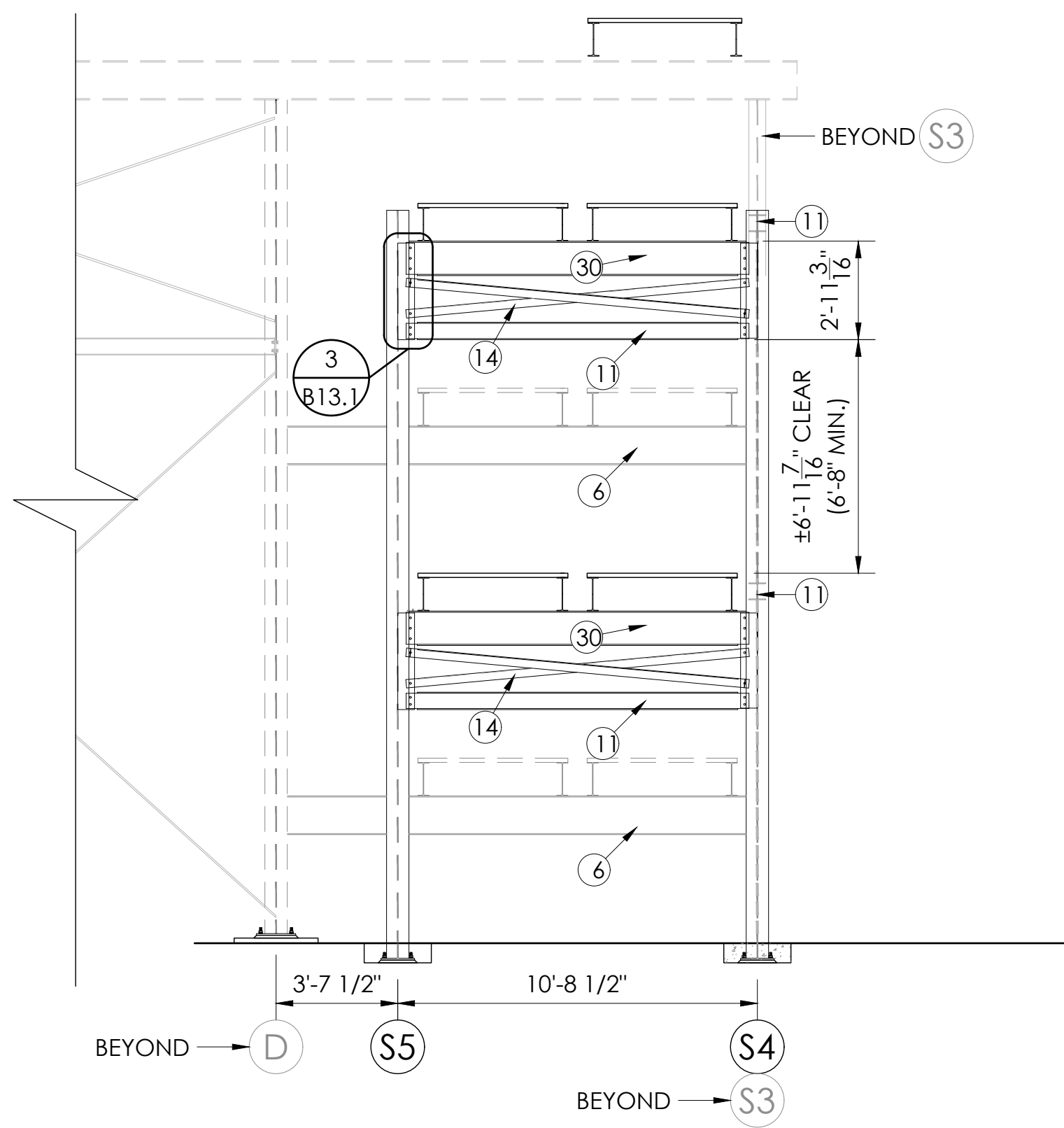
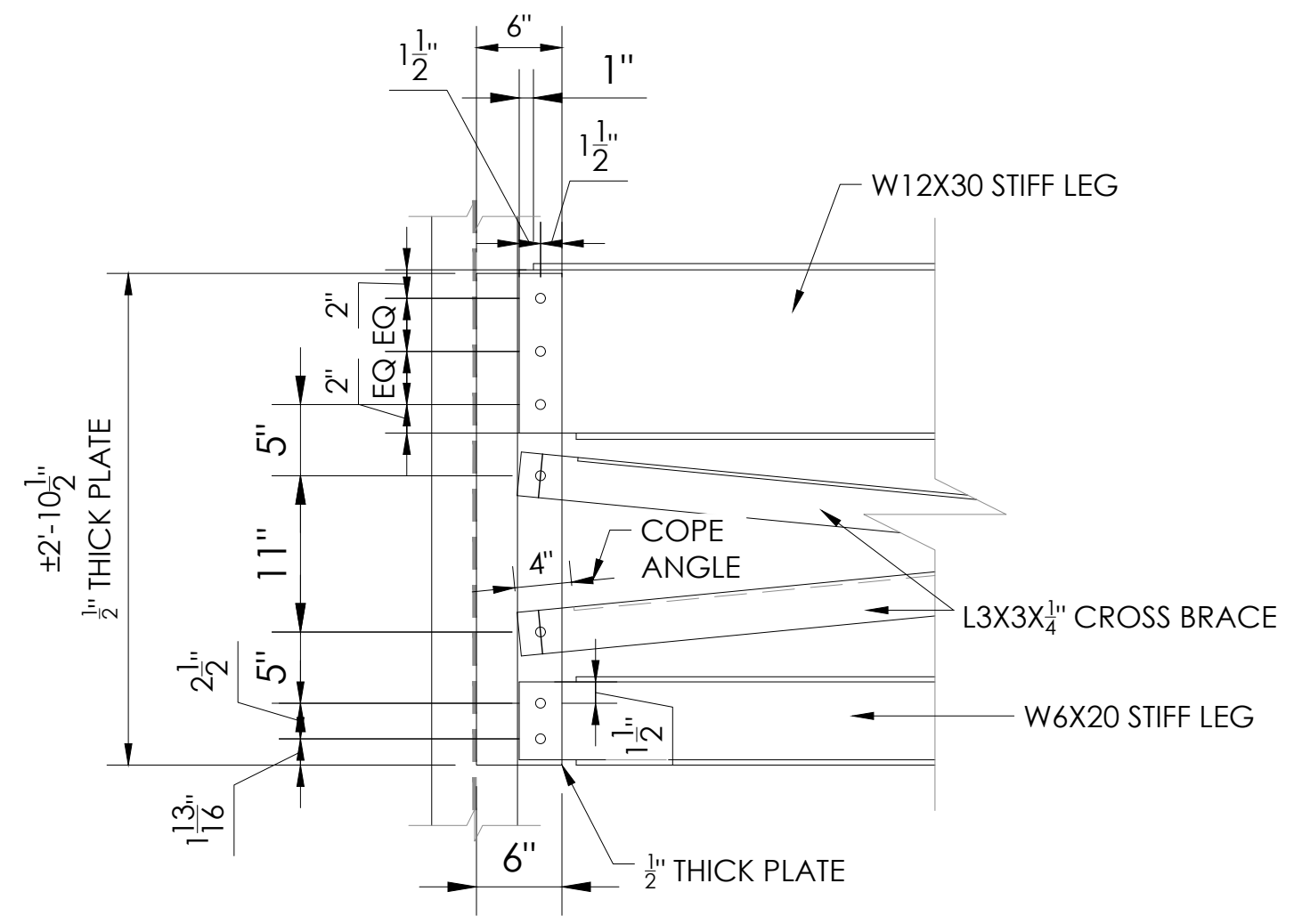
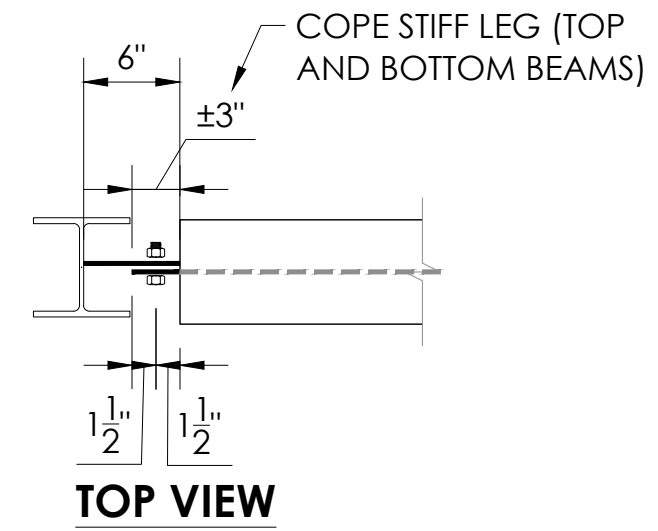
SECTION VIEWS - HOME  
 12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

REV	DATE	DESCRIPTION

DATE: 05/05/22    DRAWN: SMR    CHECKED: DMC  
 JOB NUMBER: #21369  
 SHEET: B13    OF: B47

- ITEM DESCRIPTION
- ① W 14 X 53 (50 ksi)  
B2, B3 HORIZONTAL BEAMS
  - ② W 14 X 48 (50 ksi)  
D2 HORIZONTAL BEAM
  - ③ W 14 X 43 (50 ksi)  
A2, A3, C2, C3, D2  
HORIZONTAL BEAMS
  - ④ W 14 X 38 (50 ksi)  
C.1, D3, E1 HORIZONTAL BEAMS
  - ⑤ W 14 X 34 (50 ksi)  
A1, B1, B4 HORIZONTAL BEAMS
  - ⑥ W 14 X 30 (50 ksi)  
A4, C1, C4, F1 HORIZONTAL BEAMS
  - ⑦ W 12 X 14 (50 ksi)  
UPPER & LOWER STRINGERS, U.N.O.
  - ⑧ W 10 X 12 (50 ksi)  
PLATFORM STRINGERS
  - ⑨ W 8 X 31 (50 ksi)  
C, C.1, D, E, F ROW COLUMNS
  - ⑩ W 8 X 28 (50 ksi)  
F ROW COLUMNS
  - ⑪ W 6 X 20 (50 ksi)  
A, B ROW COLUMNS
  - ⑫ W 6 X 15 (50 ksi)  
STIFF LEGS
  - ⑬ L 5 X 5 X 5/16 (50 ksi)
  - ⑭ L 3 X 3 X 1/4 (50 ksi)
  - ⑮ L 2 X 2 X 3/16 (50 ksi)
  - ⑯ L 2 X 1 1/2 X 3/16 (50 ksi)
  - ⑰ 14 X 14 X 5/8 PLATE
  - ⑱ 8 X 8 X 3/8 PLATE
  - ⑲ 8 X 8 X 3/8 PLATE
  - ⑳ 6 X 8 X 3/8 PLATE
  - ㉑ 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
  - ㉒ 3/4 X 18 ANCHOR BOLT w /  
2 HEX HEAD NUTS & FLAT WASHER
  - ㉓ 9 GAUGE GALV. STEEL CHAINLINK FENCE
  - ㉔ ANODIZED ALUMINUM RAIL
  - ㉕ 7 1/2 X 3/8 GUSSET PLATE (A36)
  - ㉖ 5 X 3/8 GUSSET PLATE (A36)
  - ㉗ 3 X 3/8 GUSSET PLATE (A36) EACH SIDE
  - ㉘ 2 X 1/4 GUSSET PLATE (A36) EACH SIDE
  - ㉙ W 12 X 16 (50 ksi)  
MIDDLE & STAIR TOWER STRINGERS, U.N.O.
  - ㉚ W 12 X 30 (50 ksi)



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Established 1946

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Brian Dean  
S 6087  
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05/12/22  
PRINCIPAL

SECTION VIEWS - HOME  
12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	DATE	DESCRIPTION	DRAWN	CHECKED
	05/05/22		SMR	DMC

JOB NUMBER #21369

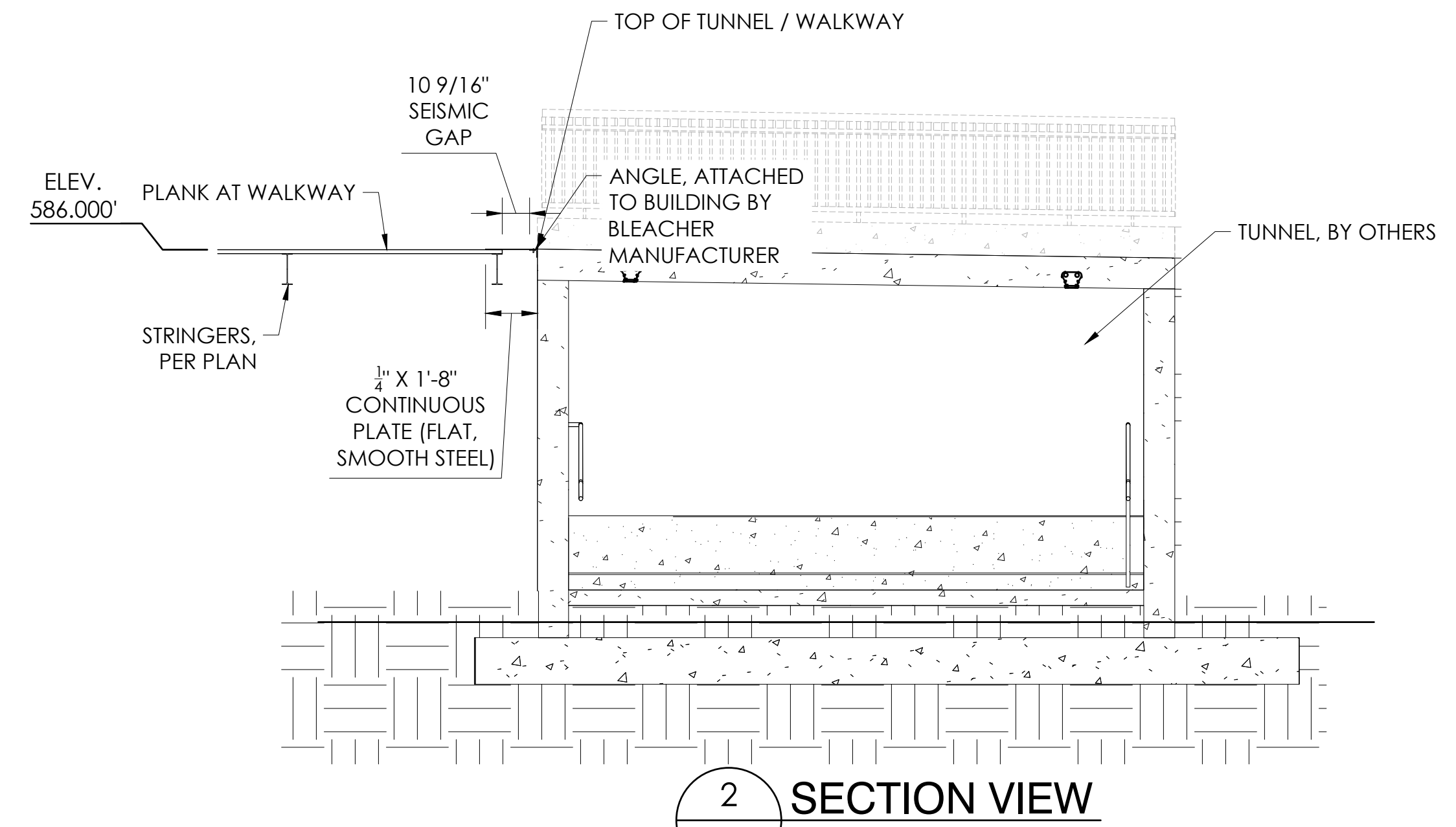
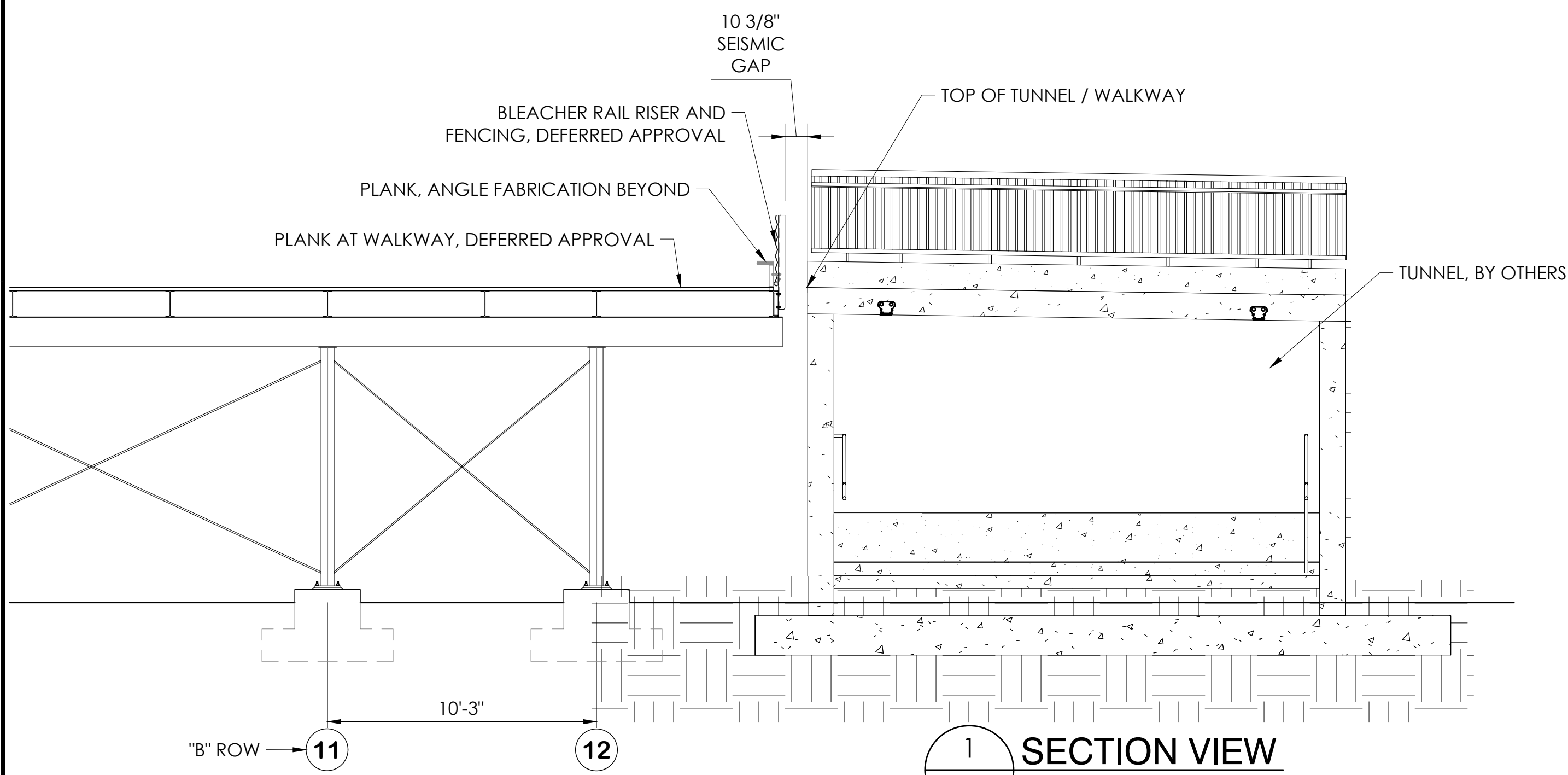
SHEET OF B13.1 B47

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



ITEM DESCRIPTION

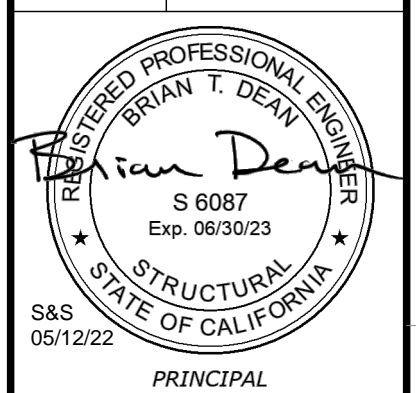
- ① W 14 X 53 (50 ksi)  
B2, B3 HORIZONTAL BEAMS
- ② W 14 X 48 (50 ksi)  
D2 HORIZONTAL BEAM
- ③ W 14 X 43 (50 ksi)  
A2, A3, C2, C3, D2  
HORIZONTAL BEAMS
- ④ W 14 X 38 (50 ksi)  
C.1, D3, E1 HORIZONTAL BEAMS
- ⑤ W 14 X 34 (50 ksi)  
A1, B1, B4 HORIZONTAL BEAMS
- ⑥ W 14 X 30 (50 ksi)  
A4, C1, C4, F1 HORIZONTAL BEAMS
- ⑦ W 12 X 14 (50 ksi)  
UPPER & LOWER STRINGERS, U.N.O.
- ⑧ W 10 X 12 (50 ksi)  
PLATFORM STRINGERS
- ⑨ W 8 X 31 (50 ksi)  
C, C.1, D, E, F ROW COLUMNS
- ⑩ W 8 X 28 (50 ksi)  
F ROW COLUMNS
- ⑪ W 6 X 20 (50 ksi)  
A, B ROW COLUMNS
- ⑫ W 6 X 15 (50 ksi)  
STIFF LEGS
- ⑬ L 5 X 5 X 5/16 (50 ksi)
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- ⑯ L 2 X 1 1/2 X 3/16 (50 ksi)
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- ⑱ 12 X 12 X 5/8 PLATE
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- ⑳ 6 X 8 X 3/8 PLATE
- ㉑ 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
- ㉒ 3/4 X 18 ANCHOR BOLT w /  
2 HEX HEAD NUTS & FLAT WASHER
- ㉓ 9 GAUGE GALV. STEEL CHAINLINK FENCE
- ㉔ ANODIZED ALUMINUM RAIL
- ㉕ 7 1/2 X 3/8 GUSSET PLATE (A36)
- ㉖ 5 X 3/8 GUSSET PLATE (A36)
- ㉗ 3 X 3/8 GUSSET PLATE (A36) EACH SIDE
- ㉘ 2 X 1/4 GUSSET PLATE (A36) EACH SIDE
- ㉙ W 12 X 16 (50 ksi)  
MIDDLE & STAIR TOWER STRINGERS, U.N.O.
- ㉚ W 12 X 30 (50 ksi)



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Established 1946



PRINCIPAL

SECTION VIEWS - HOME  
12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

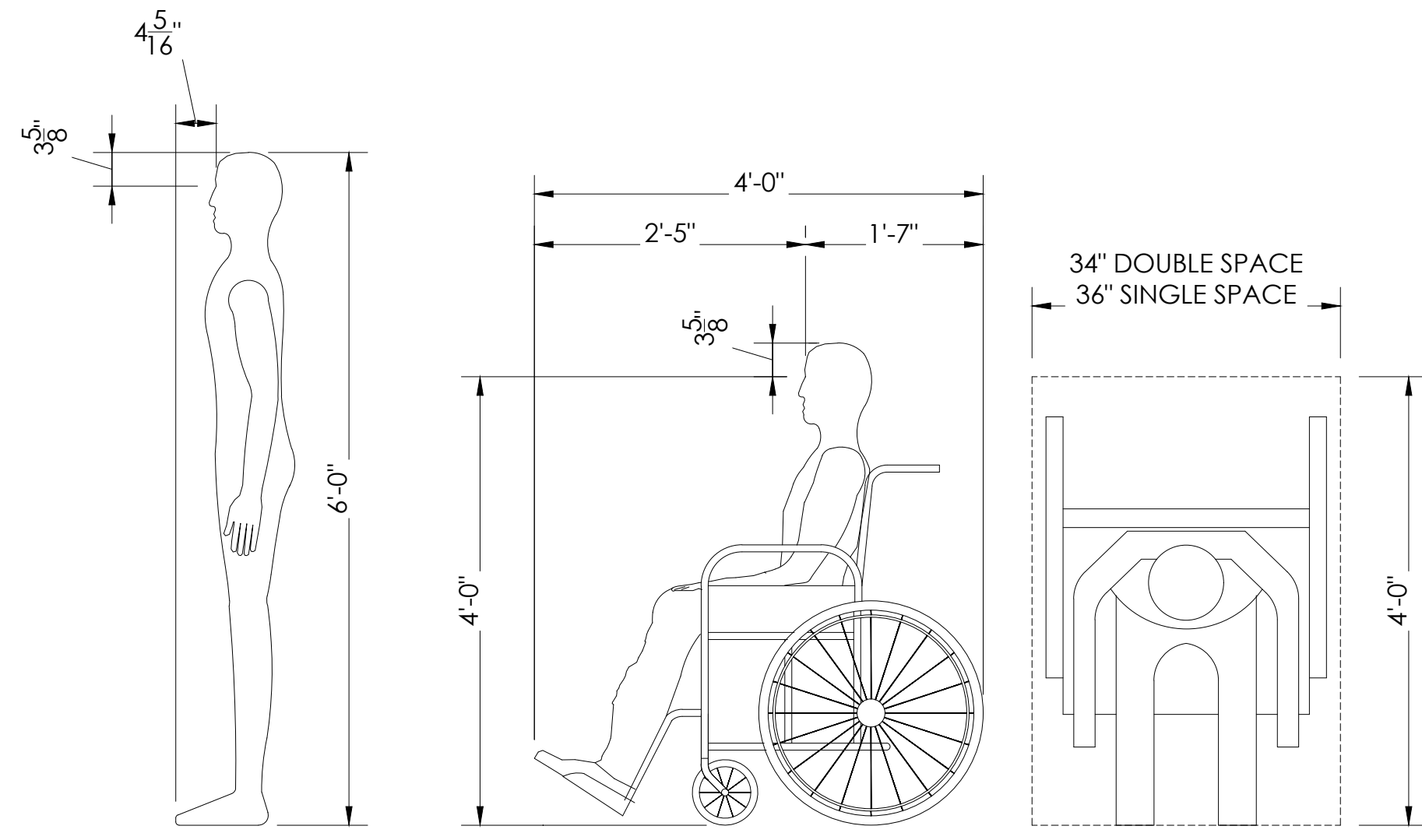
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DRAWN: SMR  
CHECKED: DMC

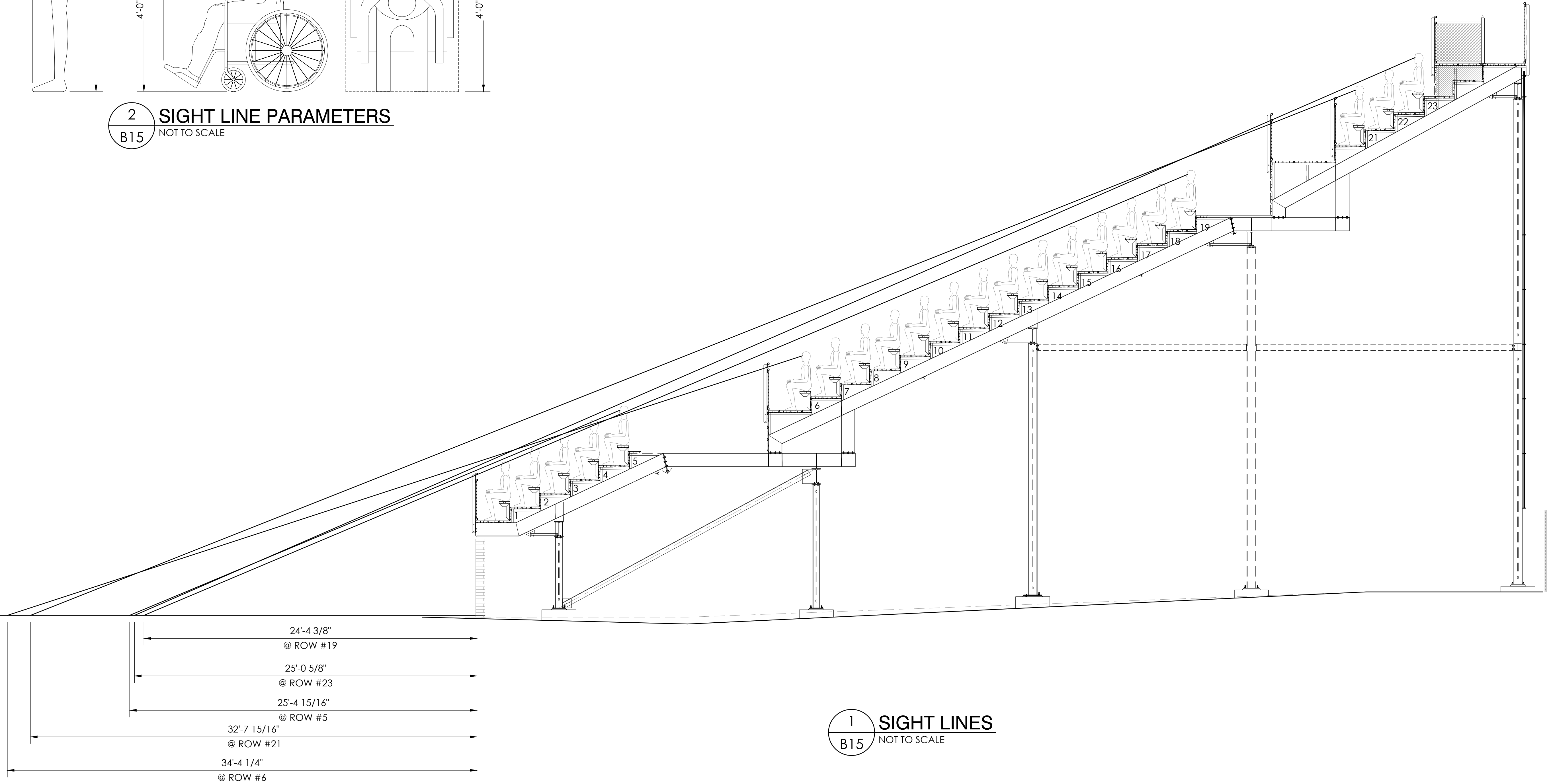
JOB NUMBER #21369

SHEET OF  
B14 B47

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



**2 SIGHT LINE PARAMETERS**  
 B15 NOT TO SCALE



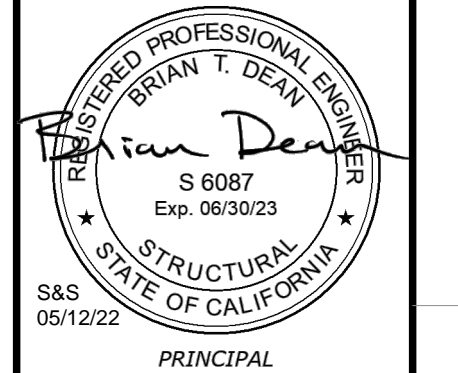
**1 SIGHT LINES**  
 B15 NOT TO SCALE

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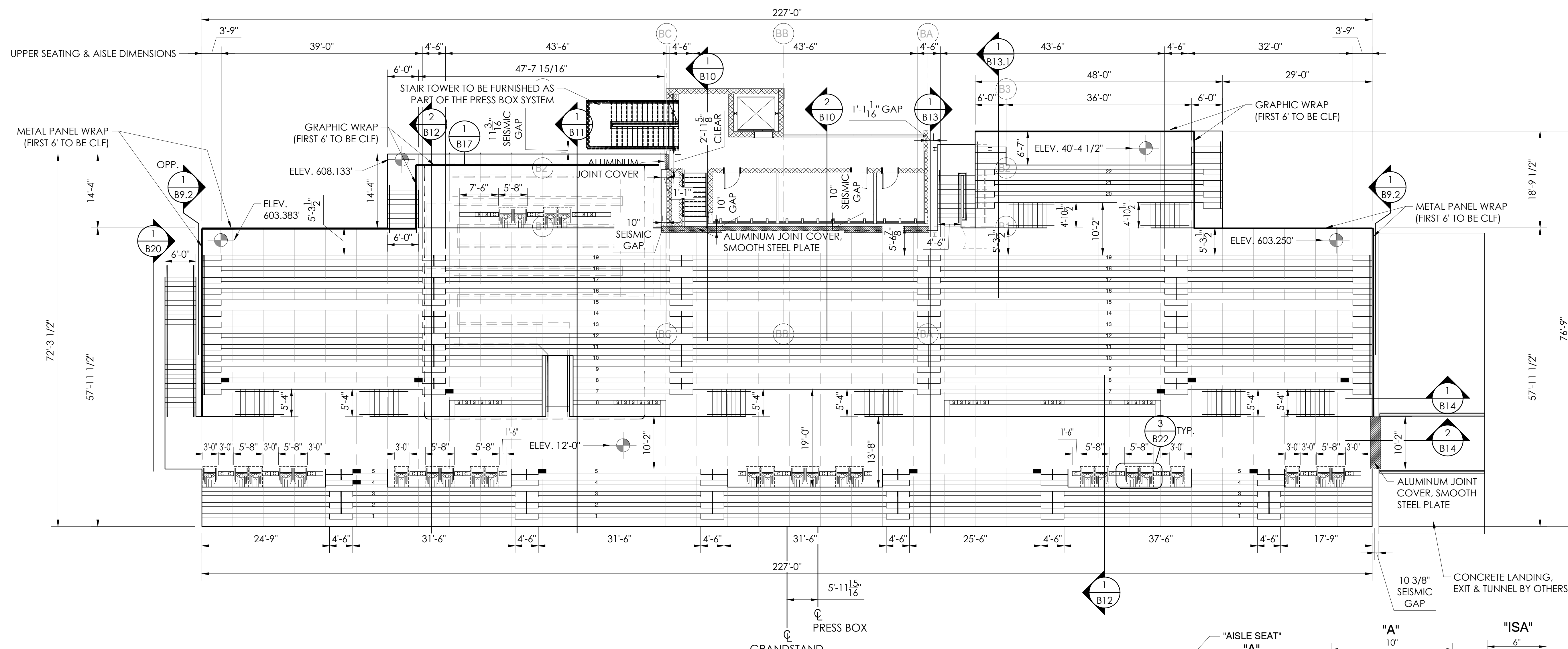


SIGHT LINES - HOME  
 12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

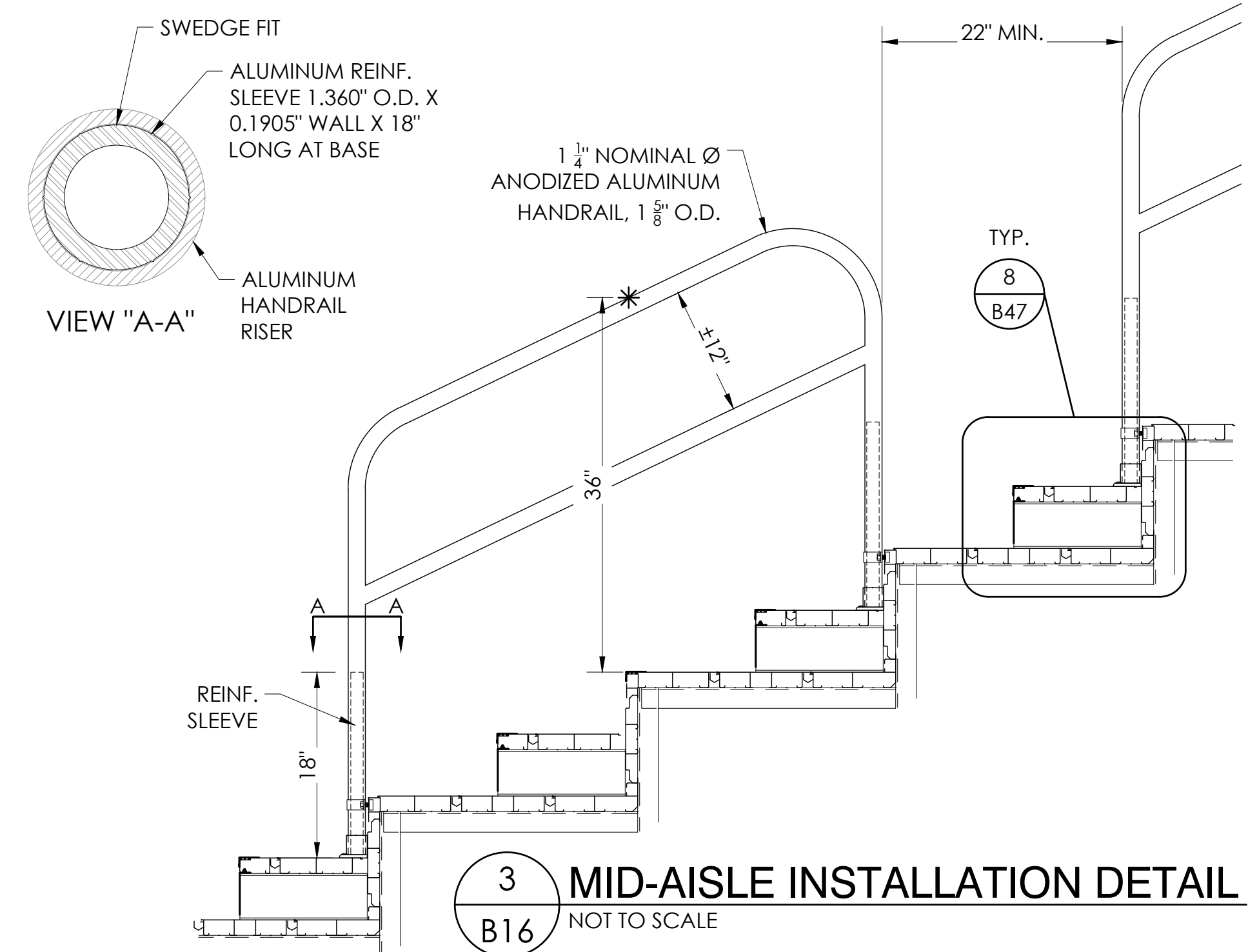
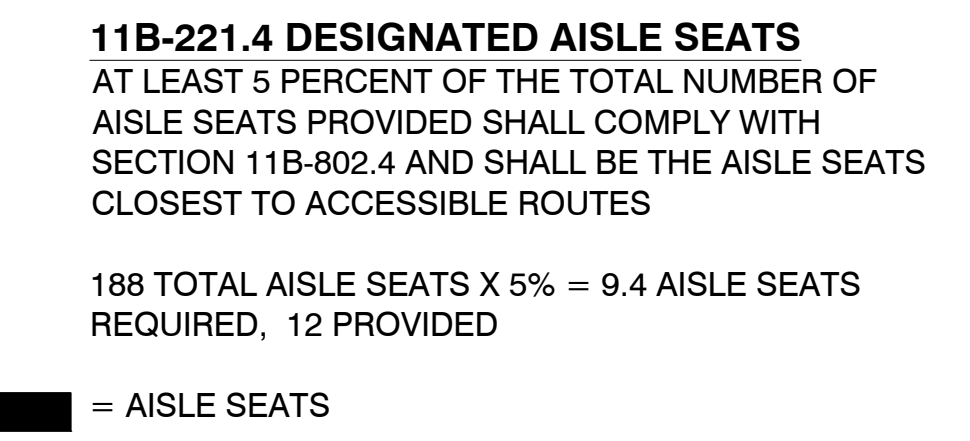
DATE: 05/05/22 DRAWN: SMR CHECKED: DMC  
 JOB NUMBER: #21369  
 SHEET: B15 OF B47



**1 SEATING LAYOUT - HOME**  
SCALE: 3/32" = 1'-0"

SEAT COUNT - HOME	
18" BENCH SEATS	2242
34" WHEELCHAIR SPACES	24
36" WHEELCHAIR SPACES	4
18" COMPANION SEATS [C]	28
18" SEMI-AMBULANT SEATS [S]	28
18" AISLE SEATS	12
<b>TOTAL SEAT COUNT</b>	<b>2338</b>

**2 DESIGNATED AISLE SEATS**  
NOT TO SCALE



**3 MID-AISLE INSTALLATION DETAIL**  
NOT TO SCALE

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**Brian T. Dean**  
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STRUCTURAL  
STATE OF CALIFORNIA  
S&S 05/12/22  
PRINCIPAL

SEATING LAYOUT - HOME  
12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

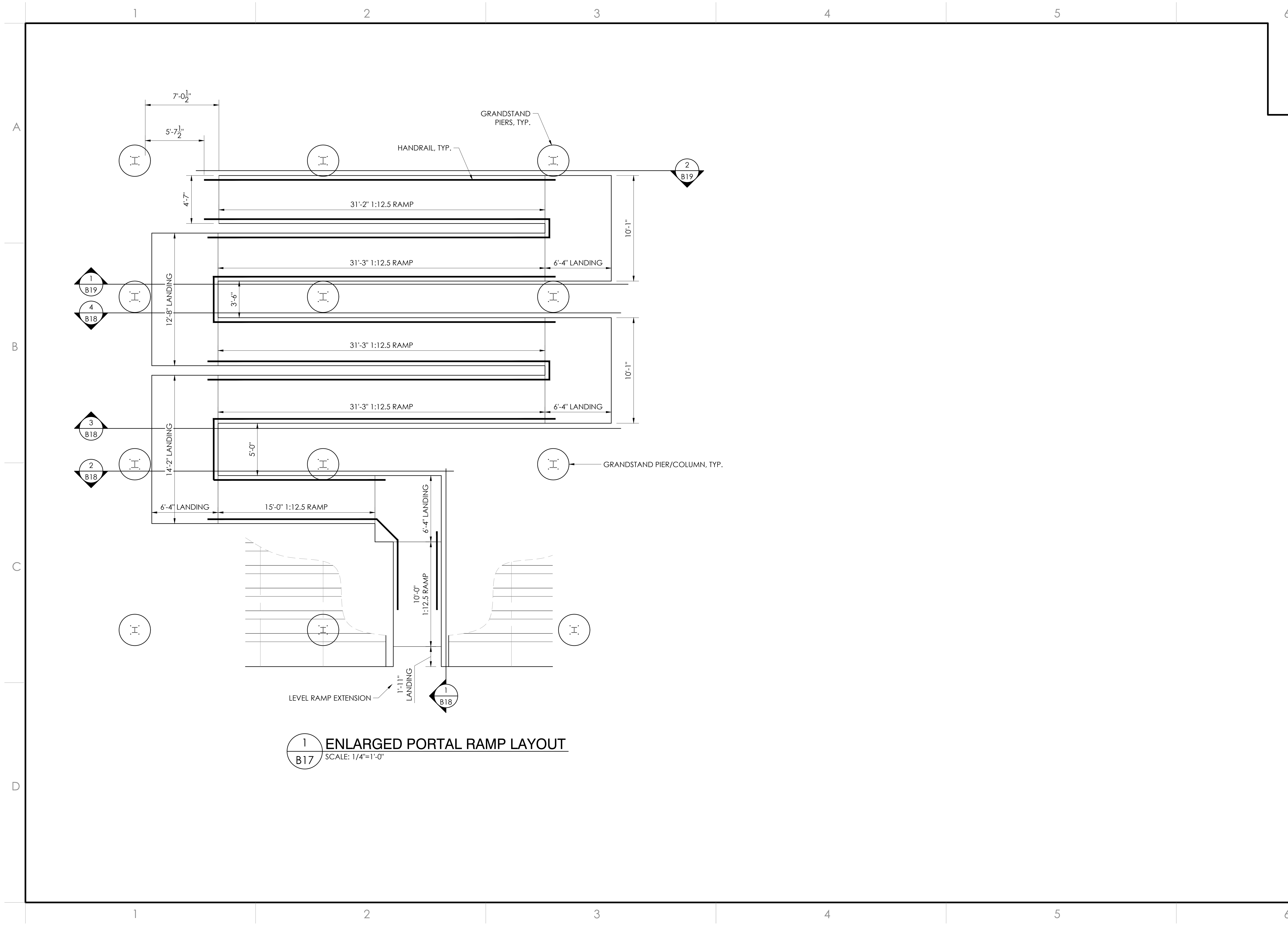
REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
DRAWN: SMR  
CHECKED: DMC

JOB NUMBER: #21369

SHEET OF: B16 B47

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



**1 ENLARGED PORTAL RAMP LAYOUT**  
SCALE: 1/4"=1'-0"

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Established 1946

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*Southern*  
BLEACHER COMPANY  
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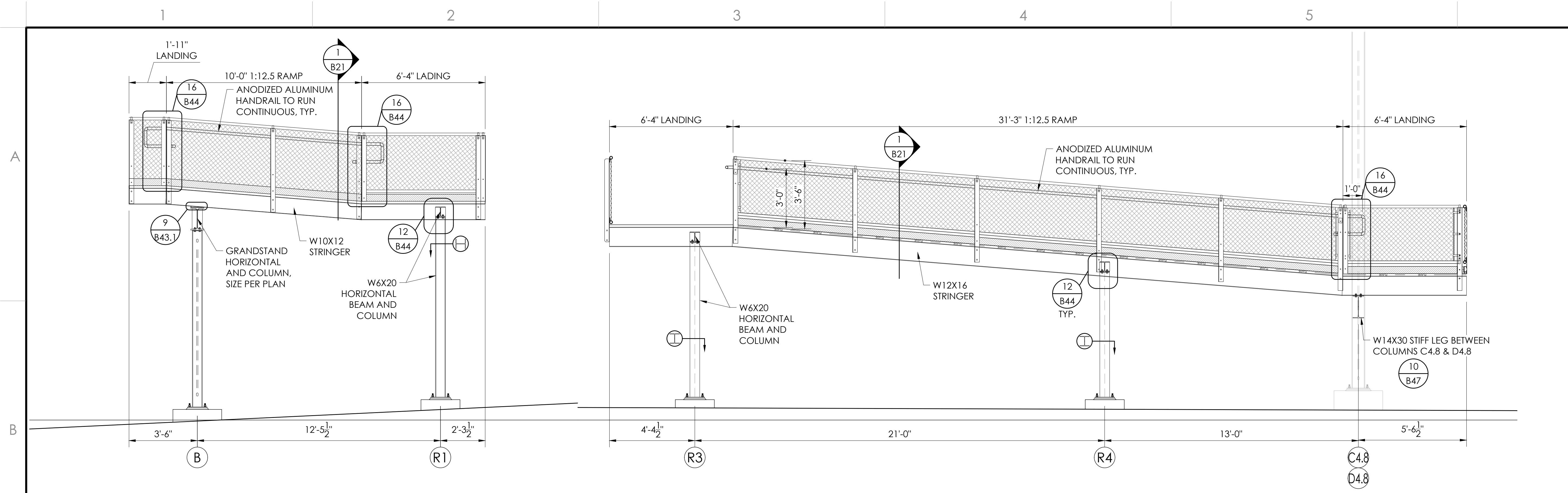
REGISTERED PROFESSIONAL ENGINEER  
BRIAN T. DEAN  
*Brian Dean*  
S 6087  
Exp. 06/30/23  
STRUCTURAL ENGINEER  
STATE OF CALIFORNIA  
S&S 05/12/22  
PRINCIPAL

ENLARGED EXIT LAYOUT - HOME  
12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)  
PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

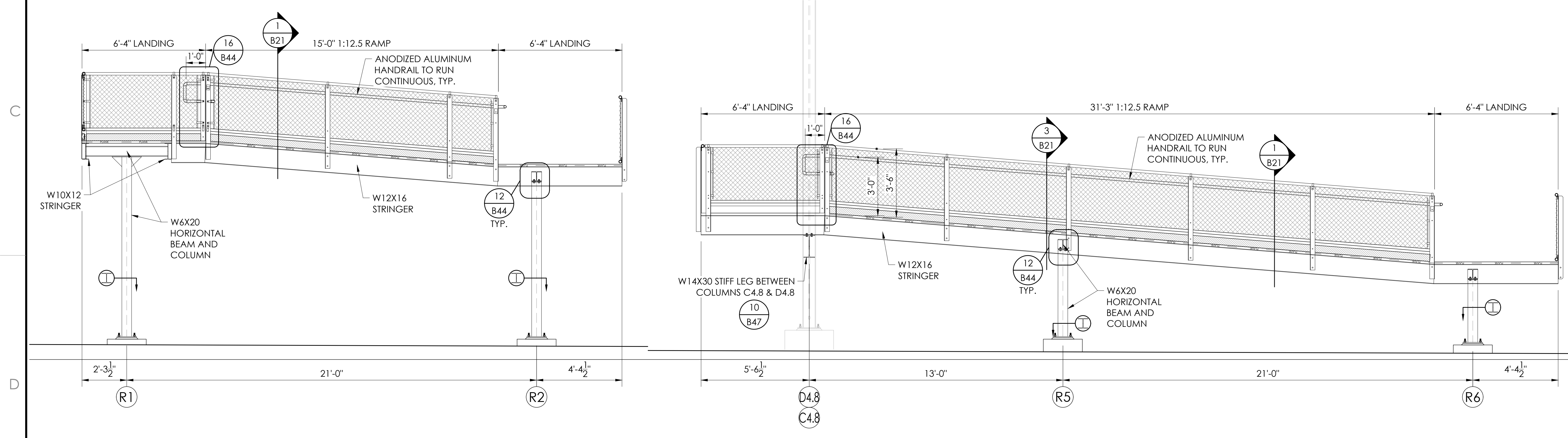
DATE: 05/05/22 DRAWN: SMR CHECKED: DMC  
JOB NUMBER: #21369  
SHEET: **B17** OF: **B47**





1 PORTAL EXIT RAMP DETAIL  
SCALE: 3/8"=1'-0"

3 PORTAL EXIT RAMP DETAIL  
SCALE: 3/8"=1'-0"



2 PORTAL EXIT RAMP DETAIL  
SCALE: 3/8"=1'-0"

4 PORTAL EXIT RAMP DETAIL  
SCALE: 3/8"=1'-0"

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BRIAN T. DEAN  
Professional Engineer  
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STATE OF CALIFORNIA  
05/12/22  
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PORTAL RAMP SECTIONS - HOME  
12" & 14" RISE X 26" TREAD / 227'-0" (22 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
JOB NUMBER: #21369  
SHEET: B18 OF B47  
DRAWN: SMR  
CHECKED: DMC





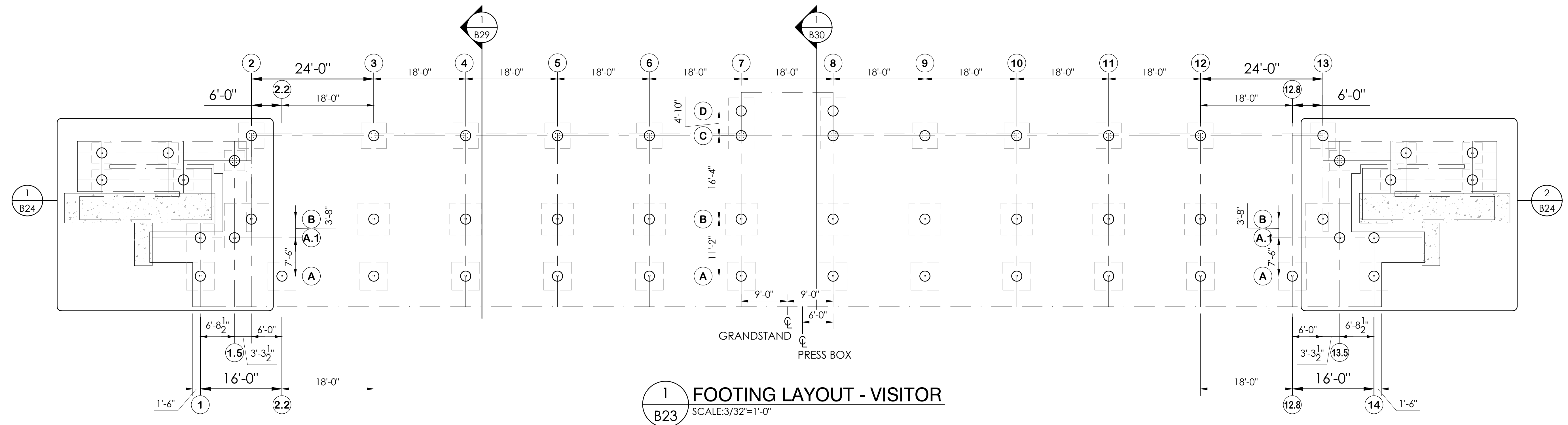








**(A)** = GRID LETTERS  
**(1)** = GRID LINE  
**(P1)** = EXIT PAD  $\frac{2}{B25}$



**1** FOOTING LAYOUT - VISITOR  
 SCALE: 3/32" = 1'-0"  
 B23

**FOUNDATION NOTES**

1. GENERAL CONTRACTOR 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 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 CONTRACTORS 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.

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 BRIAN T. DEAN  
 S 6087  
 Exp. 06/30/23  
 STRUCTURAL STATE OF CALIFORNIA  
 05/12/22  
 PRINCIPAL

FOOTING LAYOUT - VISITOR  
 8' & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

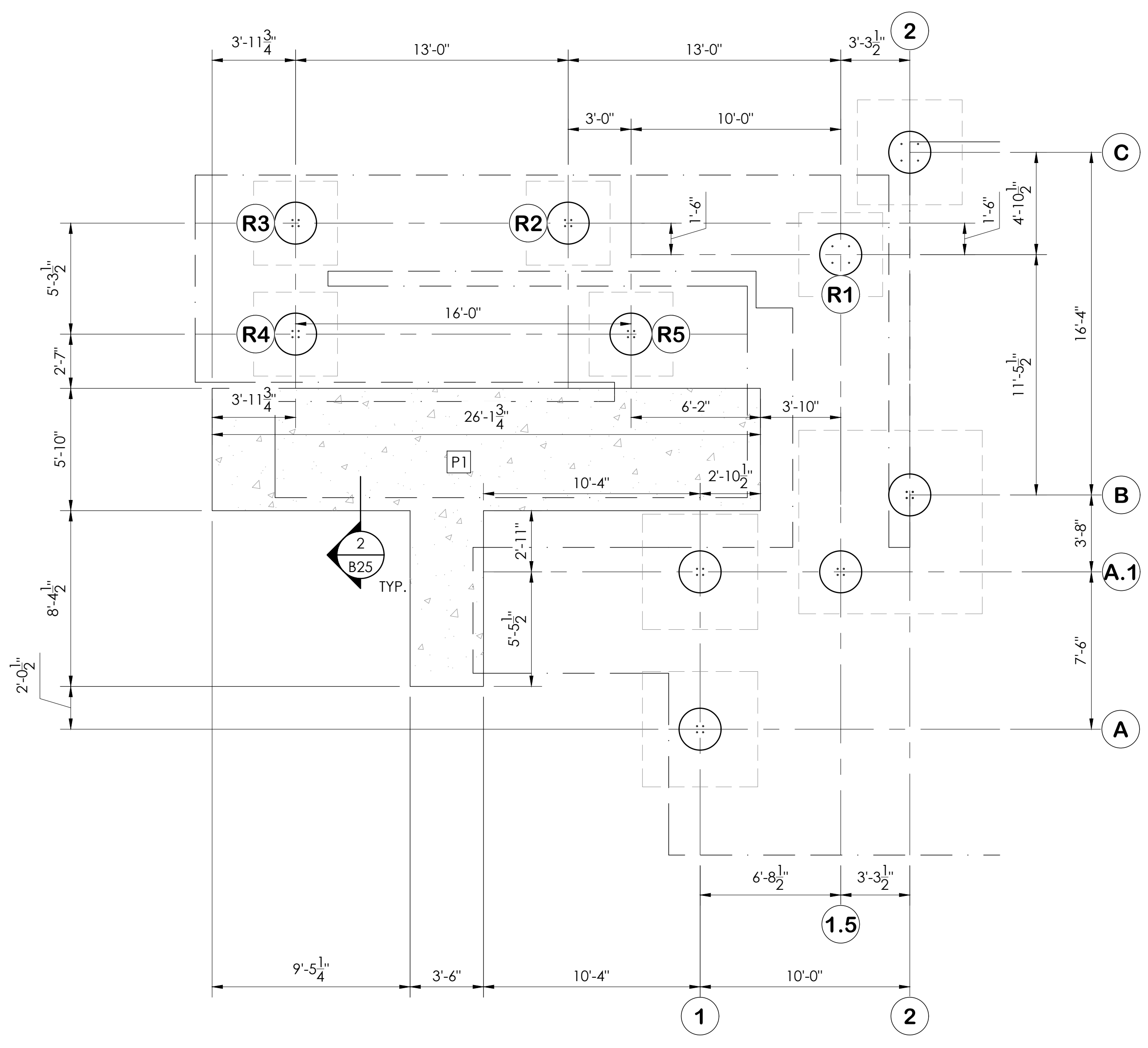
PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

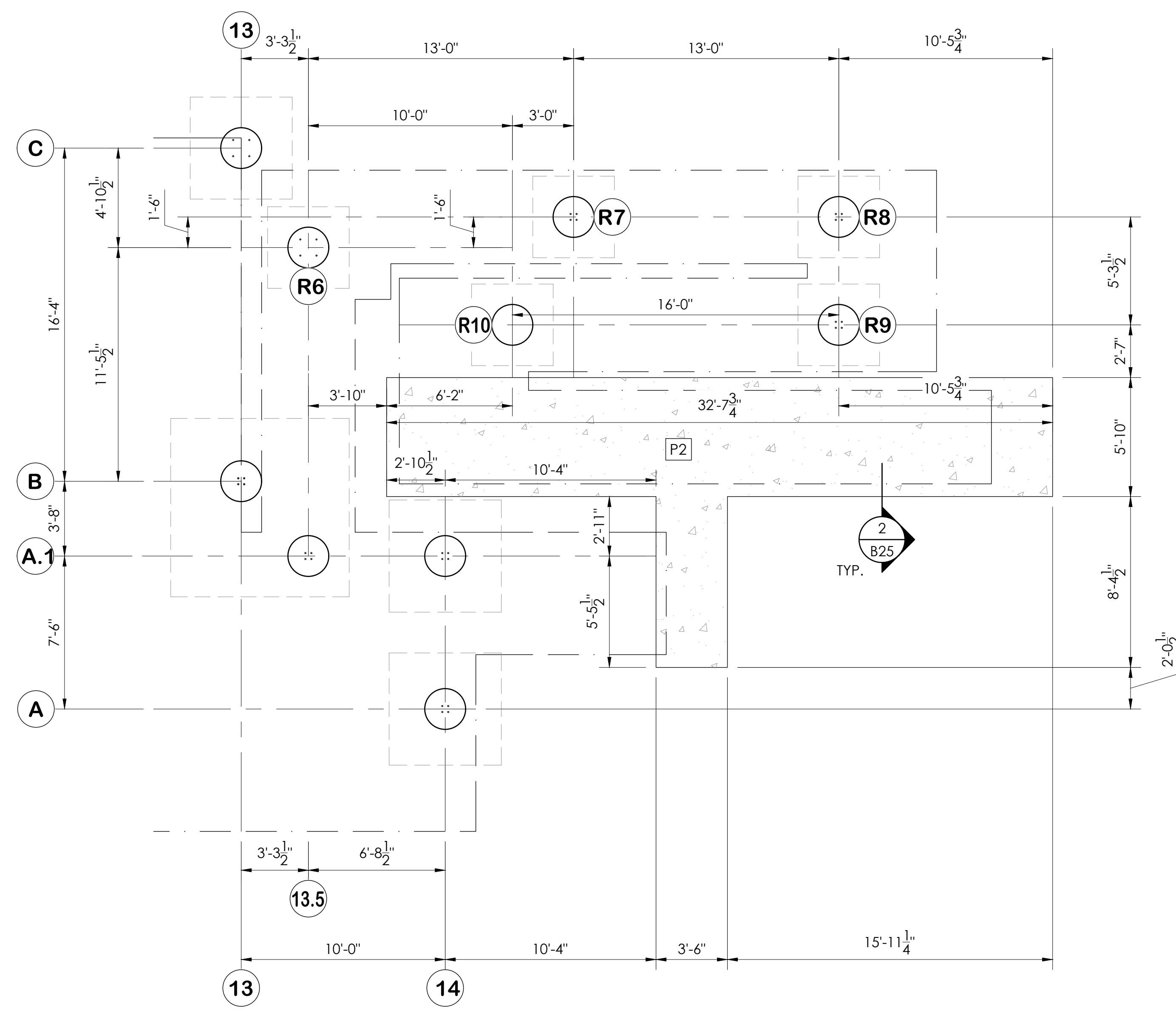
DATE: 05/05/22 DRAWN: SMR CHECKED: DMC  
 JOB NUMBER: #21369  
 SHEET: B23 OF B47

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

- A** = GRID LETTERS (GRANDSTAND)
- 1** = GRID NUMBERS (GRANDSTAND)
- R1** = EXIT PIER NUMBERS
- P1** = EXIT PAD 2  
B25



**1**  
B24 ENLARGED EXIT FOOTING LAYOUT  
SCALE: 1/4"=1'-0"



**2**  
B24 ENLARGED EXIT FOOTING LAYOUT  
SCALE: 1/4"=1'-0"

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REGISTERED PROFESSIONAL ENGINEER  
BRIAN T. DEAN  
S 6087  
Exp. 06/30/23  
STRUCTURAL  
STATE OF CALIFORNIA  
05/12/22  
PRINCIPAL

ENLARGED EXIT FOOTING LAYOUTS - VISITOR  
8" & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

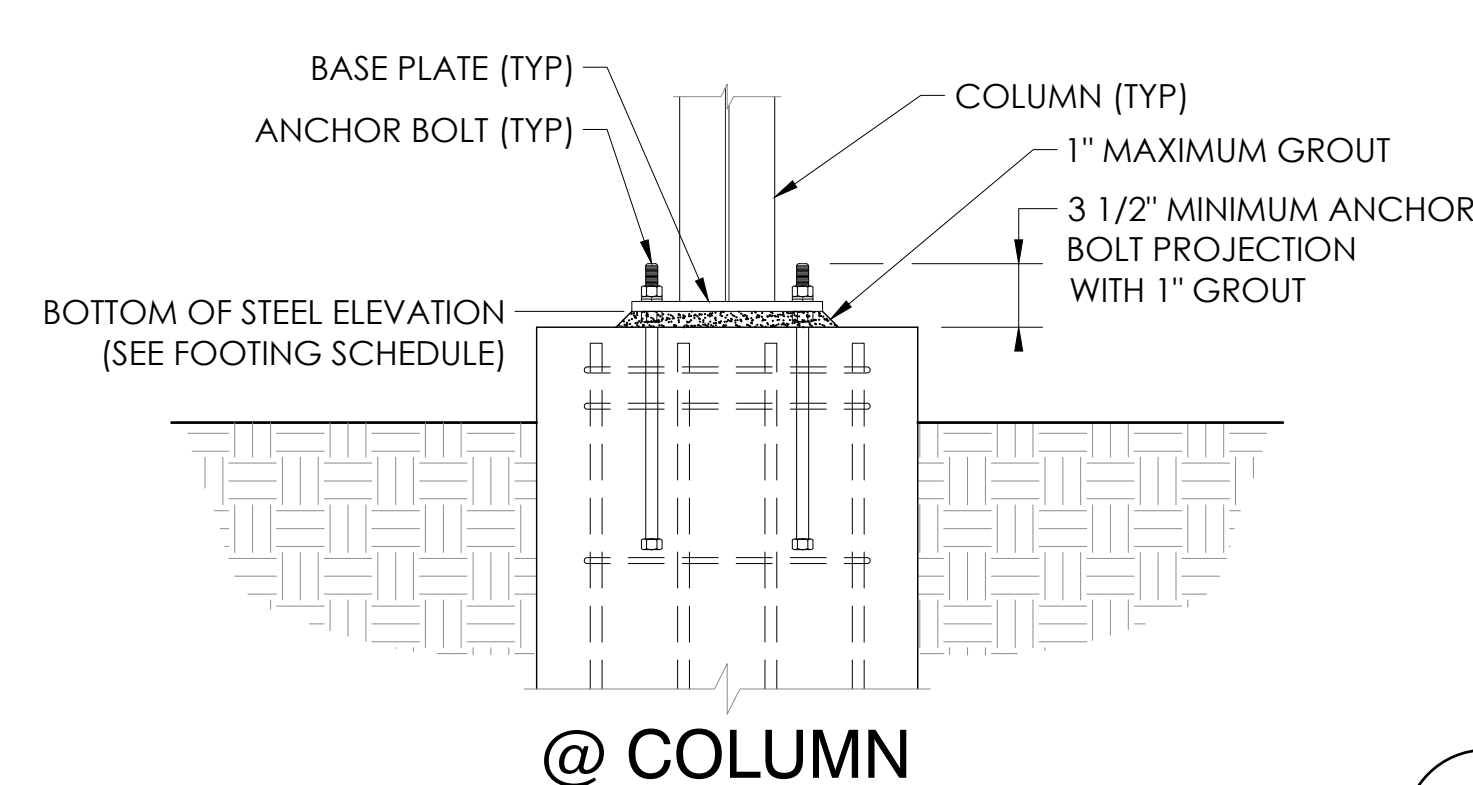
PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

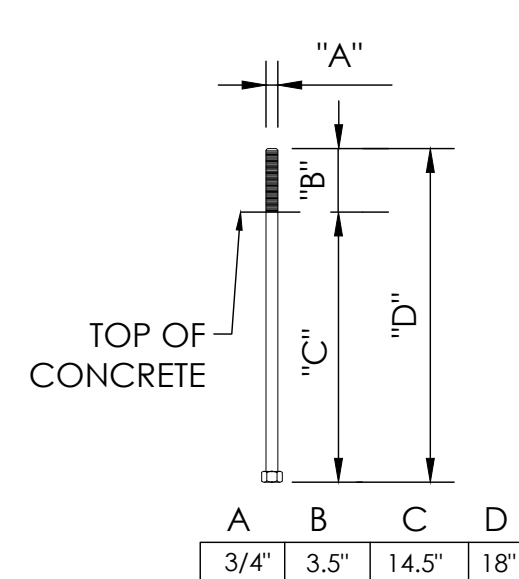
JOB NUMBER  
**#21369**

SHEET  
**B24** OF  
**B47**

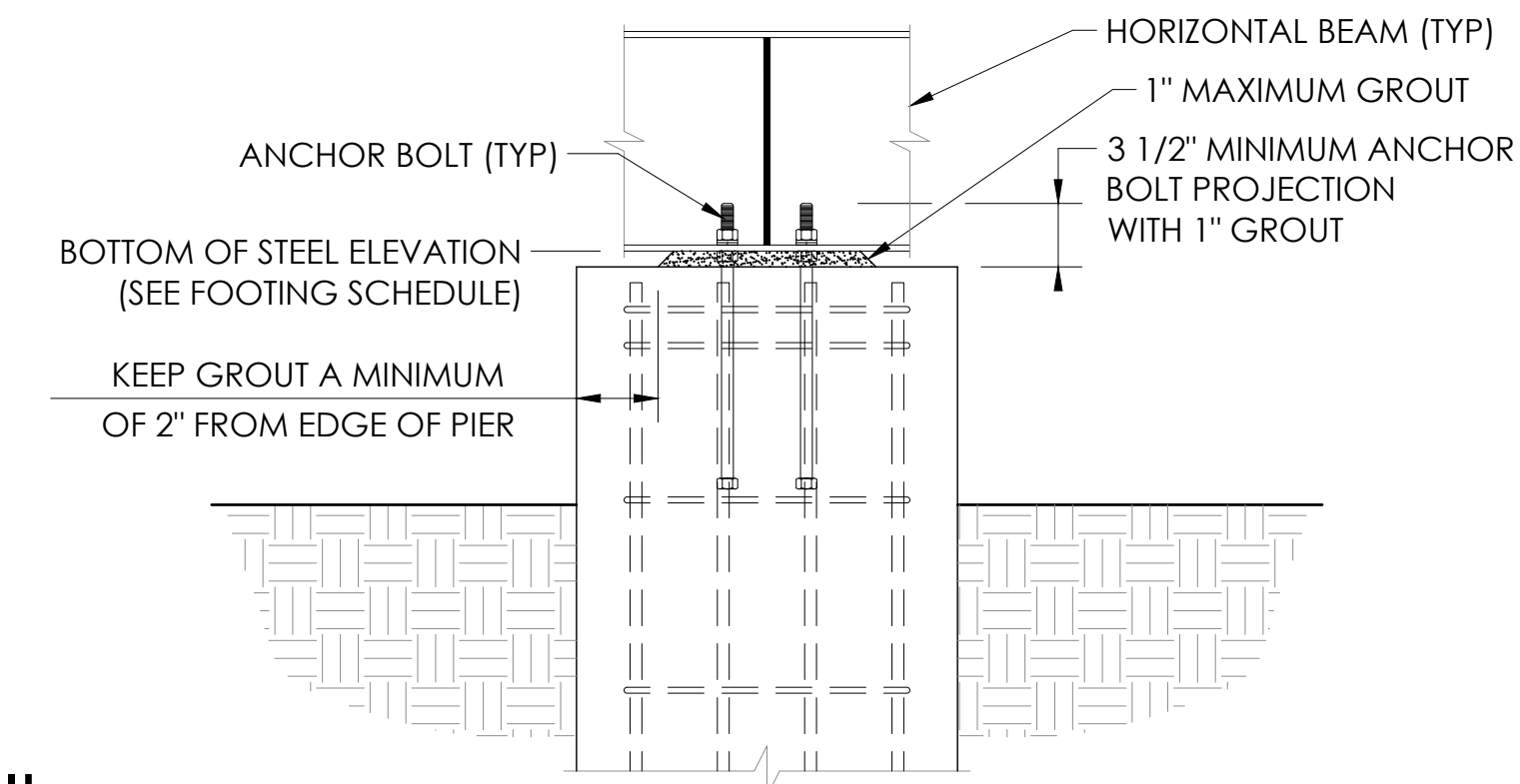
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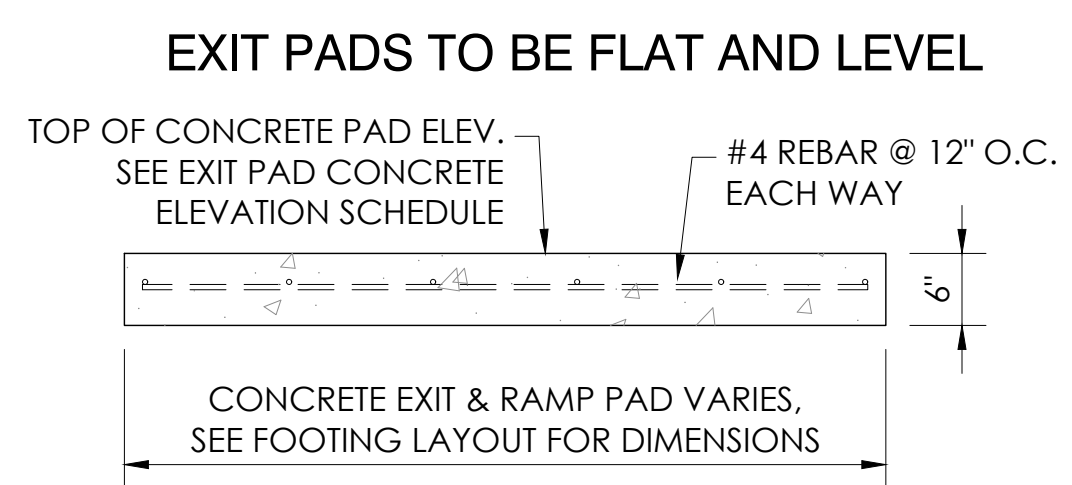
@ COLUMN



1 TOP OF PIER DETAIL  
B25 NOT TO SCALE



@ HORIZONTAL BEAM



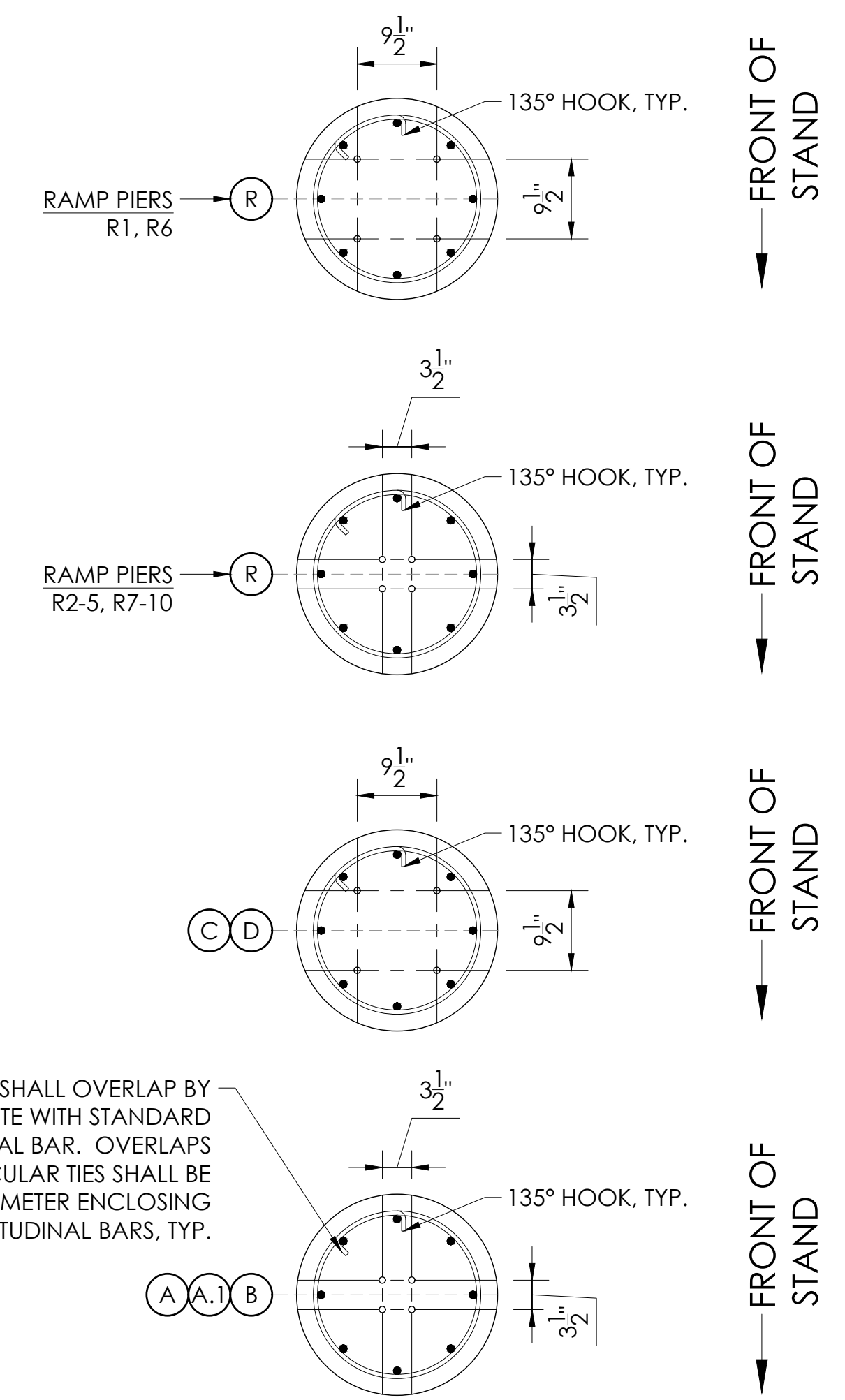
EXIT PAD CONCRETE ELEVATION SCHEDULE

(P = CONCRETE PAD)	TOP OF CONCRETE ELEV.
P1	574.25'
P2	573.73'

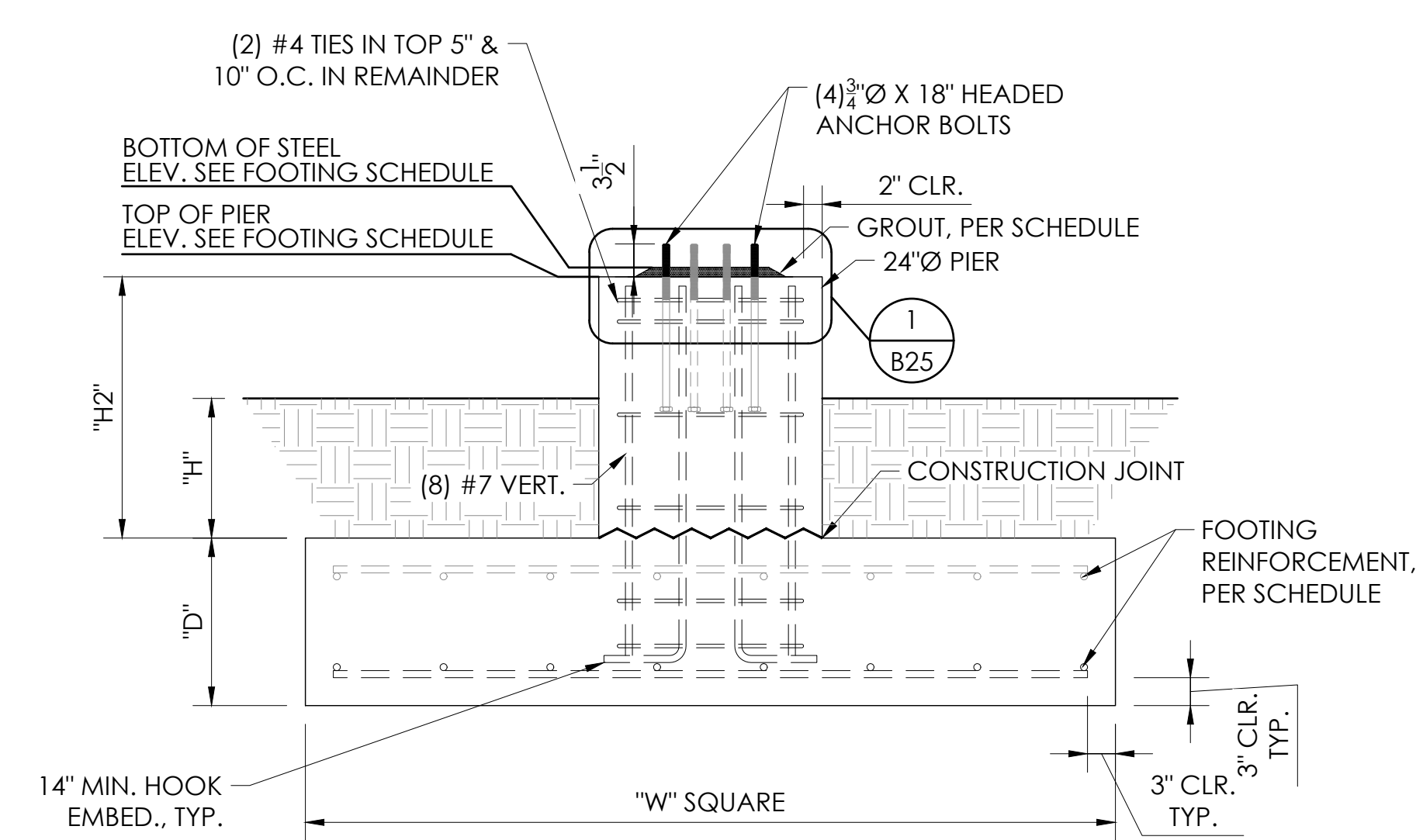
2 MINIMUM EXIT PAD DETAIL  
B25 NOT TO SCALE

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

FOOTING # (R = RAMP PIER) (A/B/C = GRIDLINE)	T.O.P. ELEV.	B.O.S. ELEV.	GROUT	"H"	"D"	"H2"	"W"	FOOTING REINFORCEMENT
A	575.678'	575.761'	1"	15"	19"	39" MAX.	5'-6" X 5'-6"	(6) #6 EACH WAY BOTTOM
A.1-1, A.1-14	576.921'	577.004'	1"	15"	19"	55" MAX.	5'-6" X 5'-6"	(6) #6 EACH WAY BOTTOM
A.1-1.5 & B2	576.921' 577.656'	577.004' 577.740'	1"	15"	19"	55" MAX. 65" MAX.	8'-9" X 8'-9" MONOLITHIC	#6 @ 12" O.C. EACH WAY TOP & BOTTOM
A.1-13.5 & B13	576.921' 577.656'	577.004' 577.749'	1"	15"	19"	55" MAX. 65" MAX.	8'-9" X 8'-9" MONOLITHIC	#6 @ 12" O.C. EACH WAY TOP & BOTTOM
B3-4, 11-12	577.656'	577.740'	1"	15"	19"	65" MAX.	6'-3" X 6'-3"	(6) #6 EACH WAY BOTTOM
B5-10	577.656'	577.749'	1 1/8"	15"	19"	65" MAX.	6'-3" X 6'-3"	(6) #6 EACH WAY BOTTOM
C2-6 & C9-13	573.792'	573.876'	1"	15"	19"	31" MAX.	5'-0" X 5'-0"	(5) #6 EACH WAY BOTTOM
C7	573.792'	573.876'	1"	15"	19"	31" MAX.	5'-0" X 10'-0"	#6 @ 12" O.C. EACH WAY TOP & BOTTOM
D7	573.792'	573.876'	1"	15"	19"	31" MAX.	5'-0" X 10'-0"	MONOLITHIC
C8	573.792'	573.876'	1"	15"	19"	31" MAX.	5'-0" X 10'-0"	#6 @ 12" O.C. EACH WAY TOP & BOTTOM
D8	573.792'	573.876'	1"	15"	19"	31" MAX.	5'-0" X 10'-0"	MONOLITHIC
R1, R6	574.167'	574.250'	1"	15"	19"	31" MAX.	4'-6" X 4'-6"	(5) #6 EACH WAY BOTTOM
R2, R7	576.676'	576.759'	1"	15"	19"	45" MAX.	4'-6" X 4'-6"	(5) #6 EACH WAY BOTTOM
R3, R4, R8, R9	575.844'	575.760'	1"	15"	19"	34" MAX.	4'-6" X 4'-6"	(5) #6 EACH WAY BOTTOM
R5, R10	574.750'	574.667'	1"	15"	19"	20" MAX.	4'-6" X 4'-6"	(5) #6 EACH WAY BOTTOM



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.



3 FOOTING & PIER DETAIL  
B25 NOT TO SCALE

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**Southern**  
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BRIAN T. DEAN  
S 6087  
Exp. 06/30/23  
STRUCTURAL ENGINEER  
STATE OF CALIFORNIA  
05/12/22  
PRINCIPAL

PIER DETAILS - VISITOR  
8" & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
DRAWN: SMR  
CHECKED: DMC

JOB NUMBER: #21369

SHEET: B25 OF B47

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

1 2 3 4 5 6

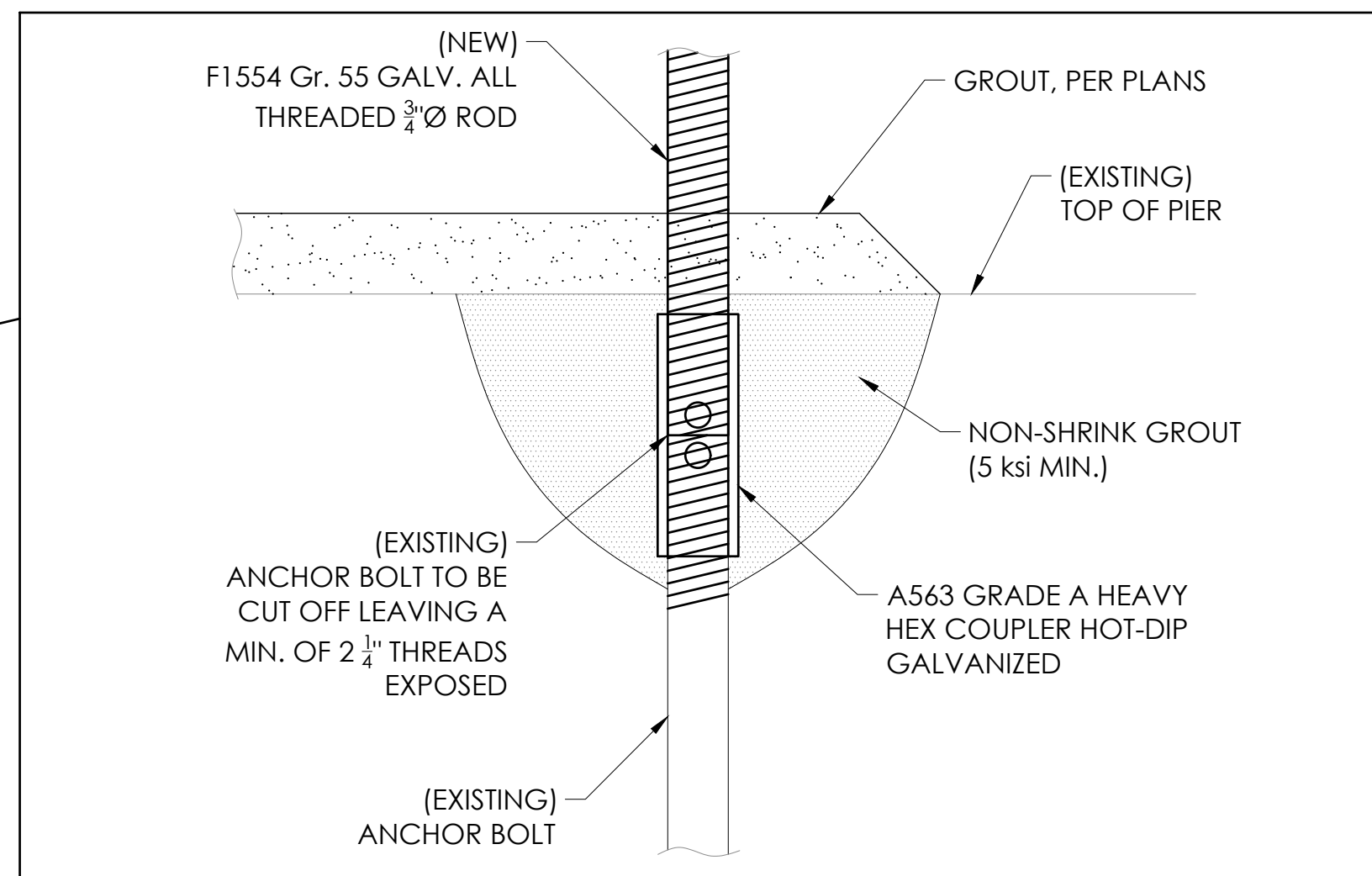
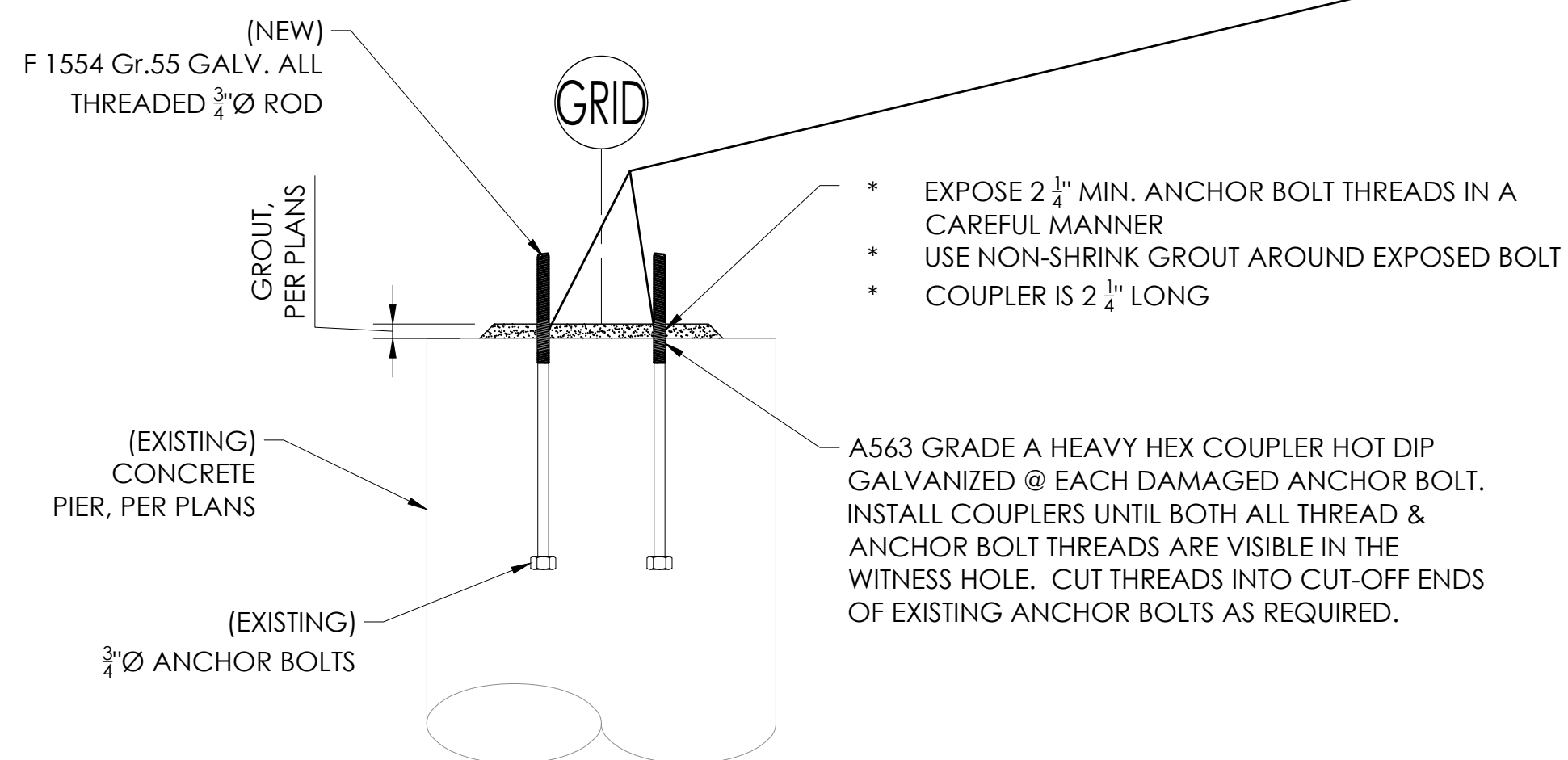
A

B

C

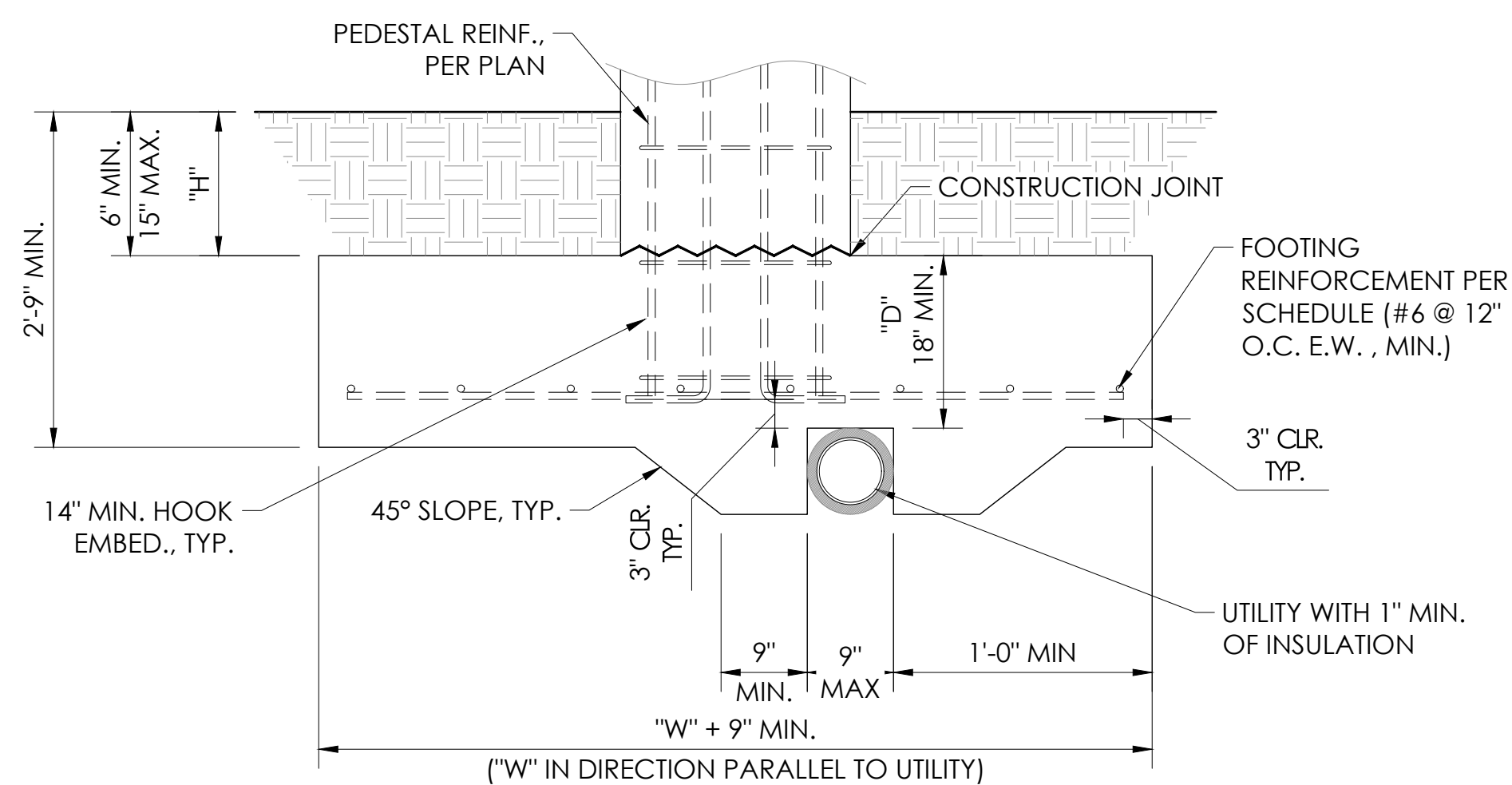
D

FRONT OF STAND  
↓



**1** **DETAIL @ DAMAGED  $\frac{3}{4}$ "  $\varnothing$  F1554 Gr. 55 BOLTS**  
B26 NOT TO SCALE

DETAIL TO BE USED IF REQUIRED



**2** **FOOTING DETAIL @ UTILITY**  
B26 NOT TO SCALE

DETAIL TO BE USED IF REQUIRED

1 2 3 4 5 6

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Brian Dean  
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Exp. 06/30/23  
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STATE OF CALIFORNIA  
05/12/22  
PRINCIPAL

PIER DETAILS - VISITOR  
8" & 12" RISE X 26" TREAD / 2'10"-0" (11 ROWS)

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PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

DATE: 05/05/22 DRAWN: SMR CHECKED: DMC  
JOB NUMBER: #21369

SHEET **B26** OF **B47**

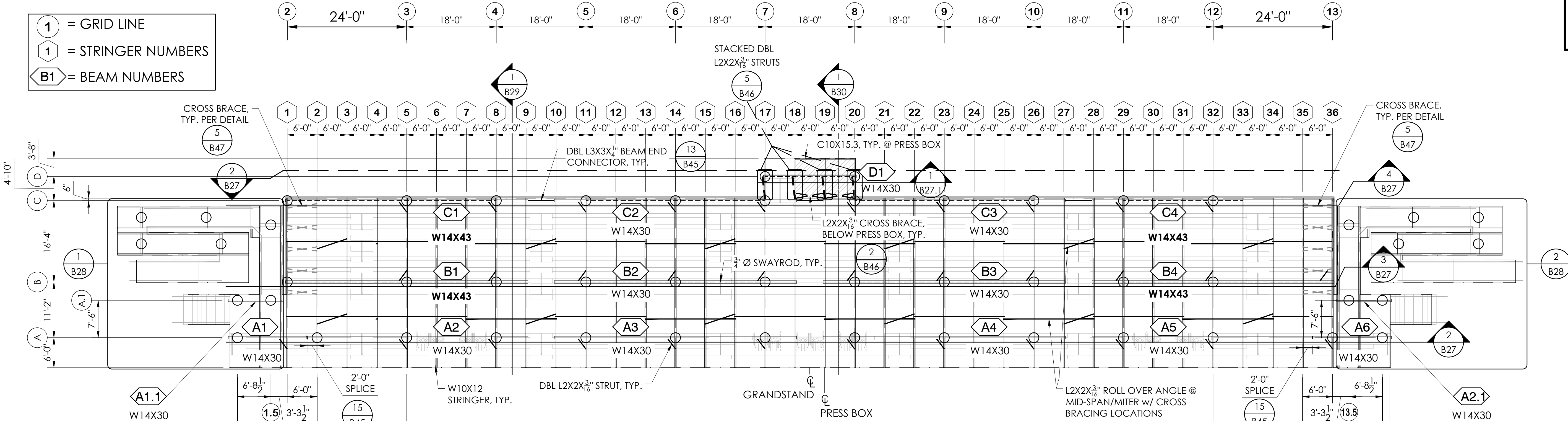
21369

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

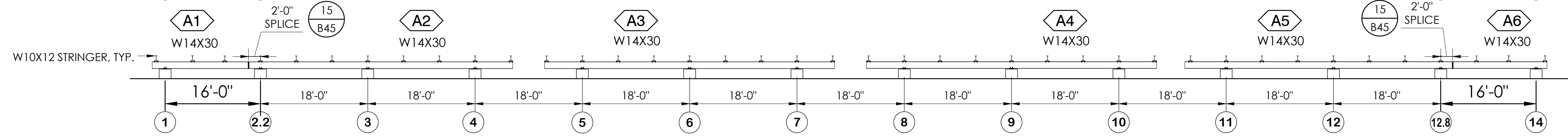


NOTE: SEATING LAYOUT SHOWN FOR REFERENCE ONLY, SEE SHEET B31 FOR SEATING LAYOUT

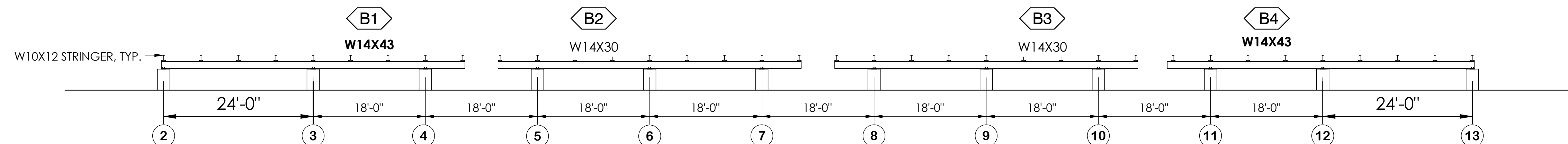
- ① = GRID LINE
- ① = STRINGER NUMBERS
- ⬡B1 = BEAM NUMBERS



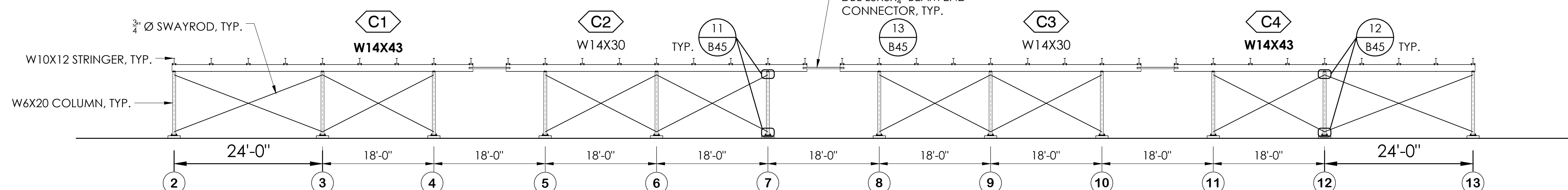
1 UNDERSTRUCTURE LAYOUT - VISITOR  
SCALE: 3/32" = 1'-0"



2 "A" ROW ELEVATION VIEW - VISITOR  
NOT TO SCALE



3 "B" ROW ELEVATION VIEW - VISITOR  
NOT TO SCALE



4 "C" ROW ELEVATION VIEW - VISITOR  
NOT TO SCALE

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S 6087  
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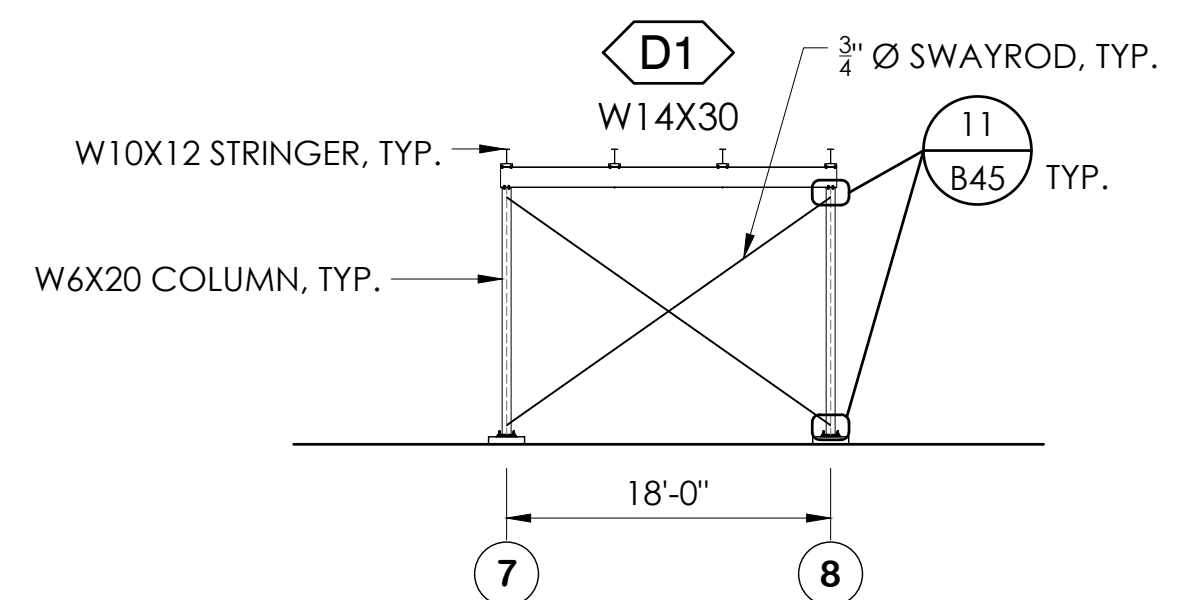
UNDERSTRUCTURE LAYOUT - VISITOR  
8' & 12' RISE X 26" TREAD / 210'-0" (11 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

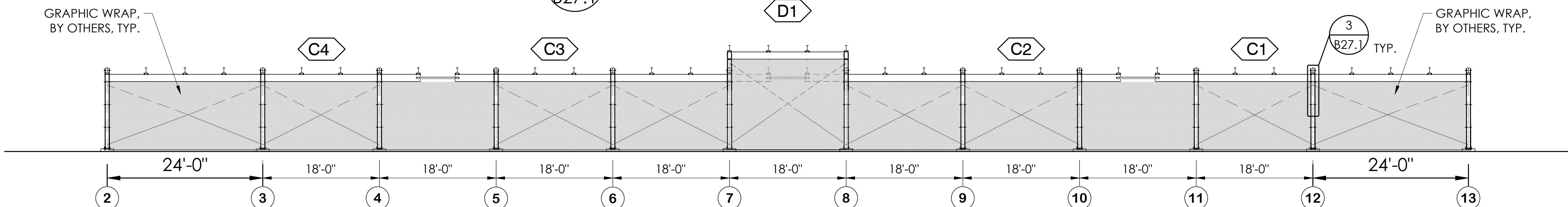
REV.	BY	DATE	DESCRIPTION

DATE: 05/05/22    DRAWN: SMR    CHECKED: DMC  
JOB NUMBER: **#21369**  
SHEET: **B27** OF **B47**

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

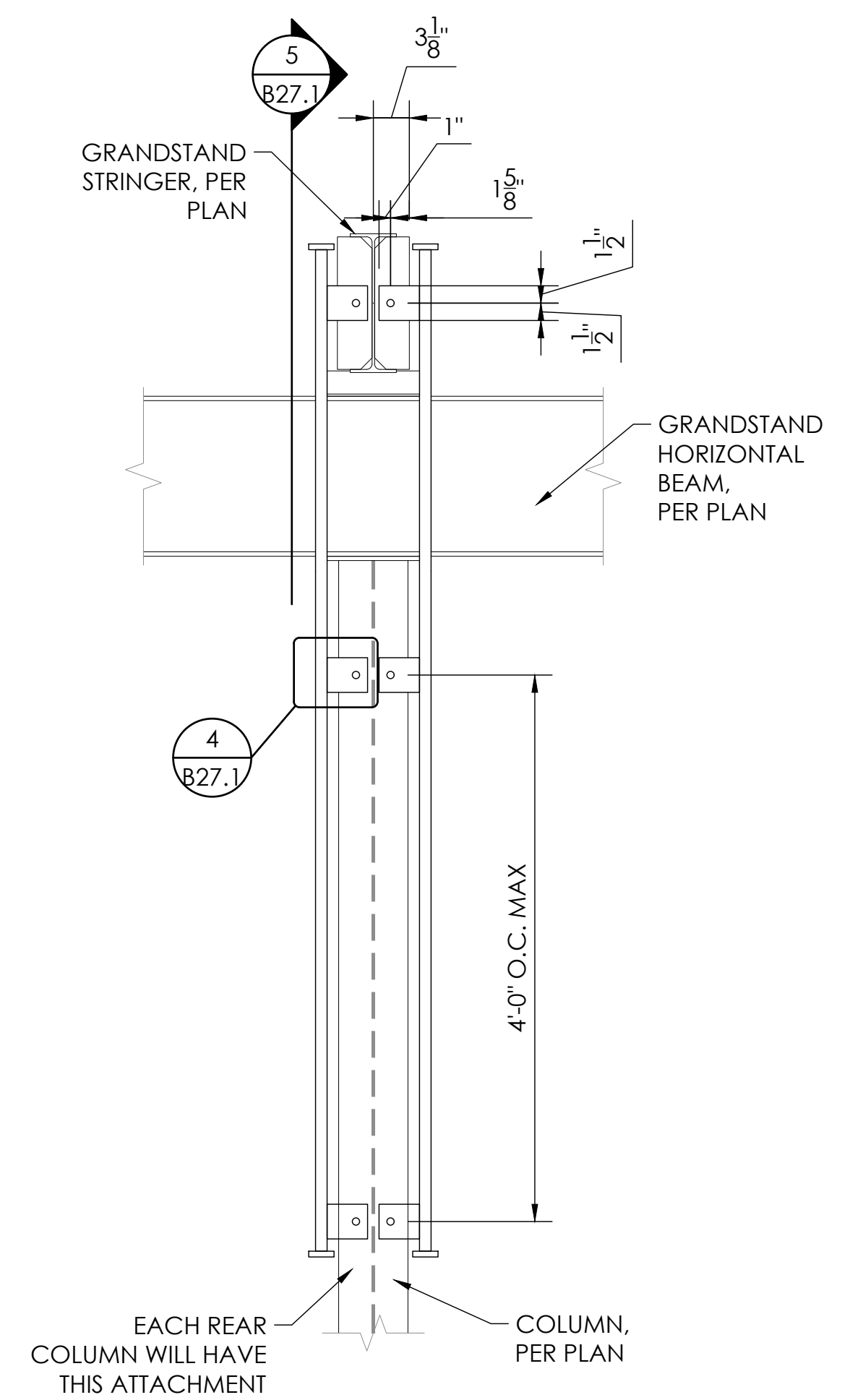


1 "D" ROW ELEVATION VIEW - VISITOR  
B27.1 NOT TO SCALE

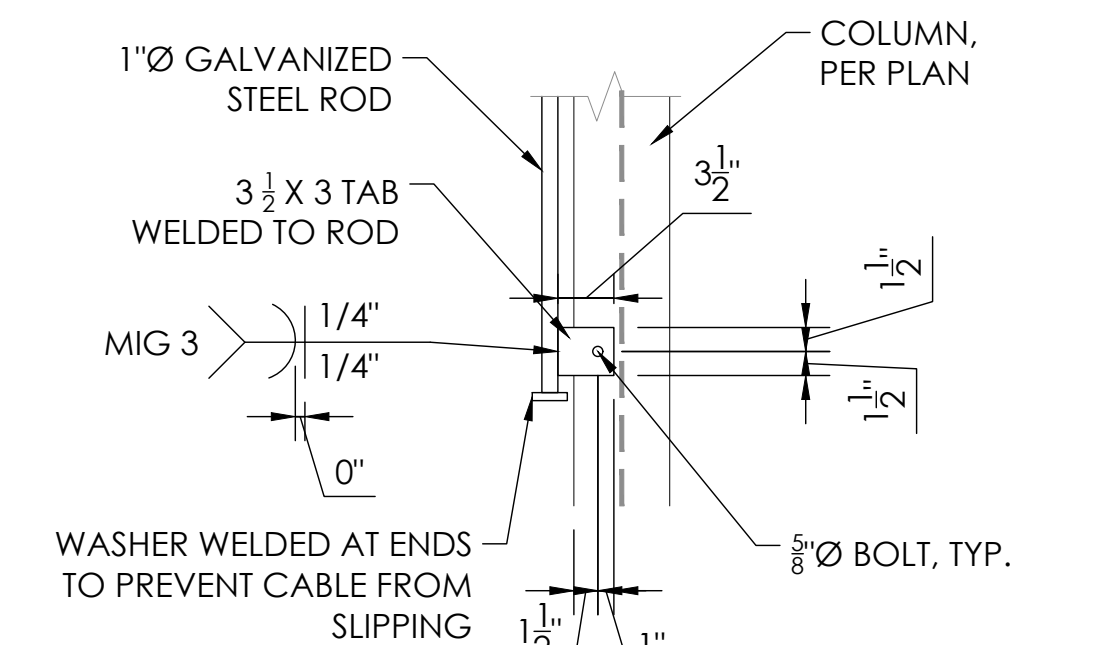


2 "C" ROW REAR ELEVATION VIEW - VISITOR  
B27.1 NOT TO SCALE

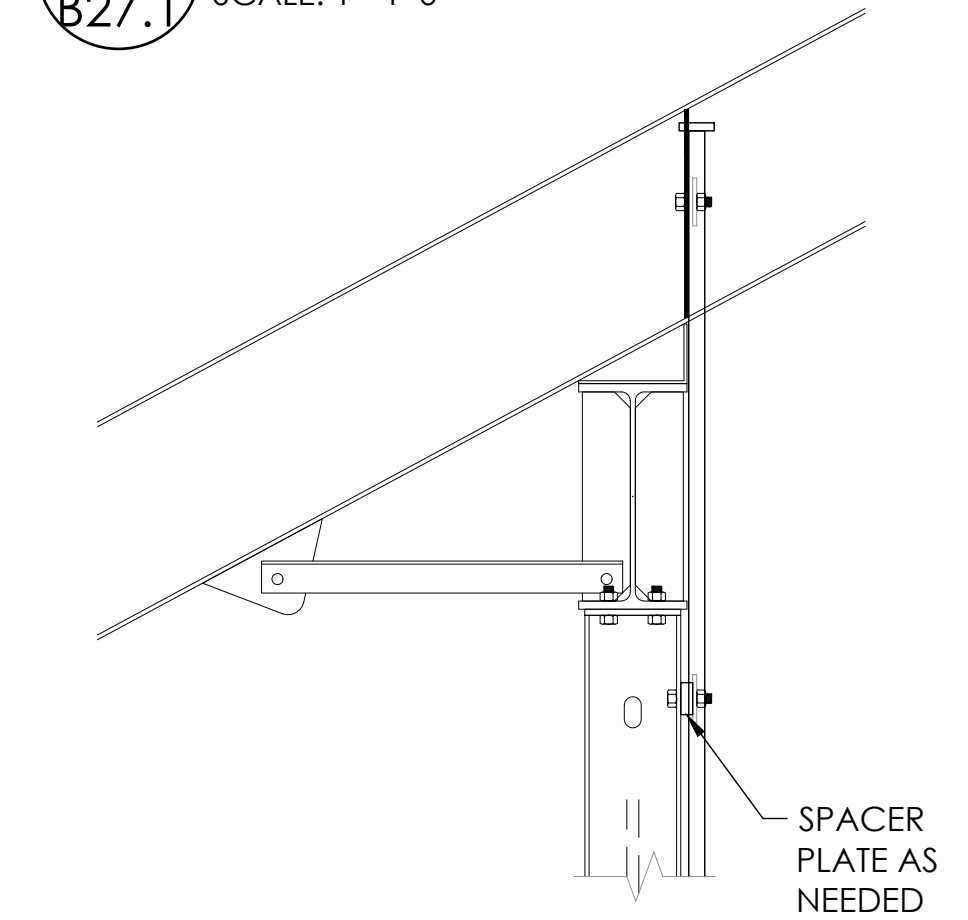
FOR ITEMS NOT SHOWN REFER TO 4 B27



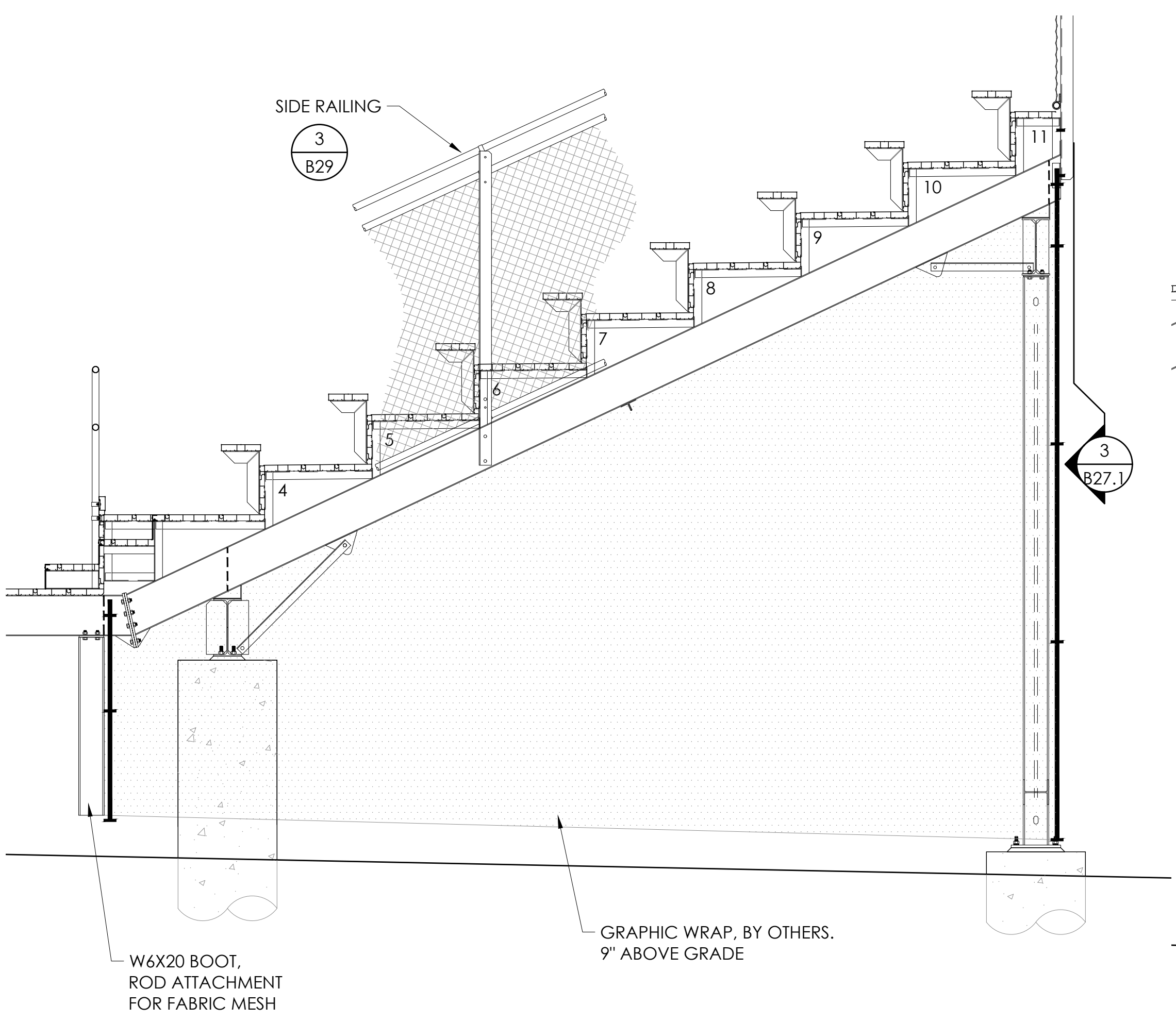
3 ROD TO COLUMN DETAIL  
B27.1 SCALE: 1"=1'-0"



4 ROD ATTACHMENT DETAIL  
B27.1 SCALE: 1"=1'-0"

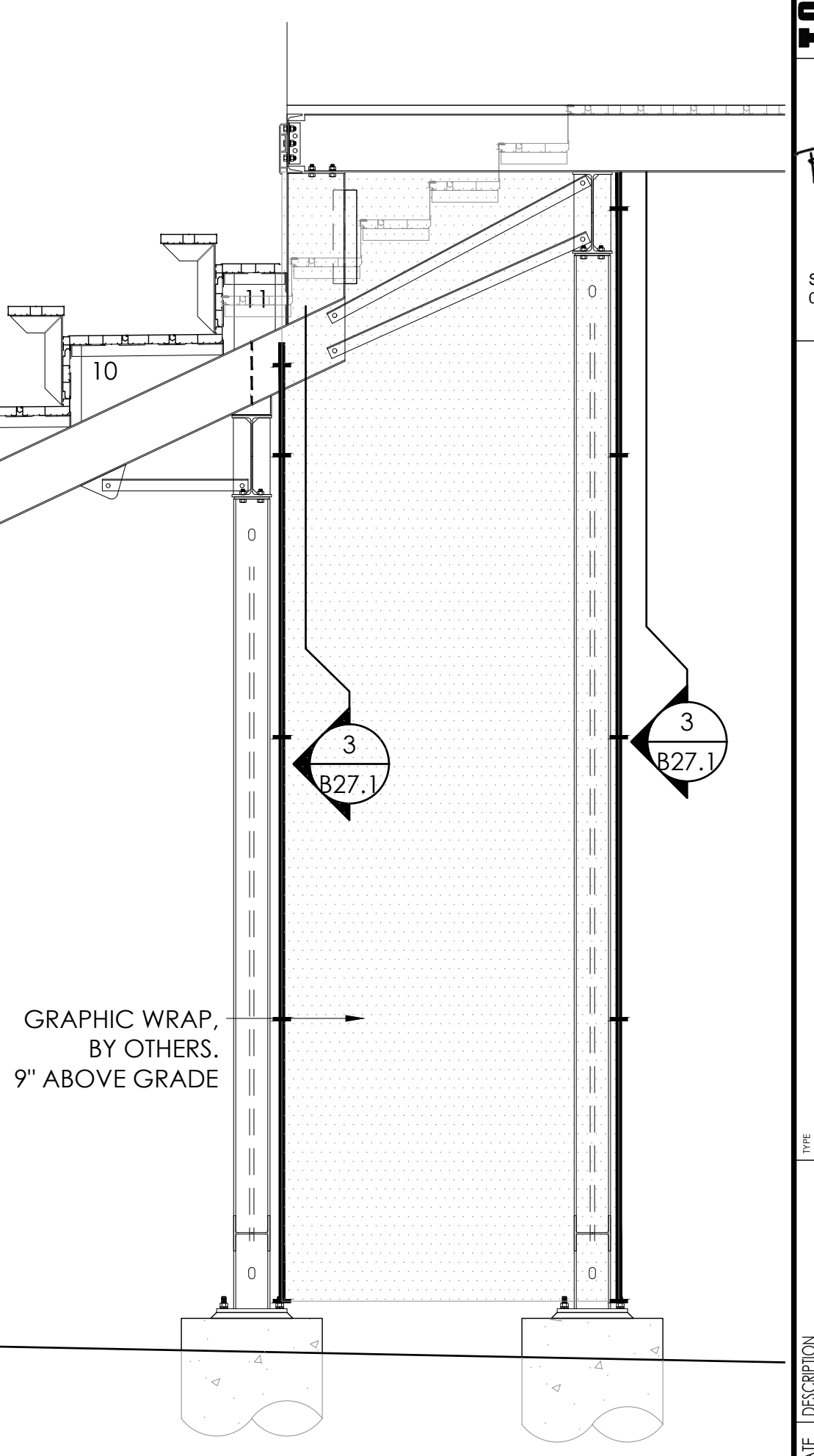


5 ROD ATTACHMENT DETAIL  
B27.1 SCALE: 1"=1'-0"



6 SIDE VIEW - VISITOR  
B27.1 SCALE: 1/2"=1'-0"

FOR INFORMATION NOT SHOWN REFER TO DETAIL 1 B29



7 SECTION VIEW - VISITOR  
B27.1 SCALE: 1/2"=1'-0"

FOR INFORMATION NOT SHOWN REFER TO DETAIL 1 B30

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ESTABLISHED 1946

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STATE OF CALIFORNIA  
05/12/22  
PRINCIPAL

UNDERSTRUCTURE LAYOUT - VISITOR  
8" & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

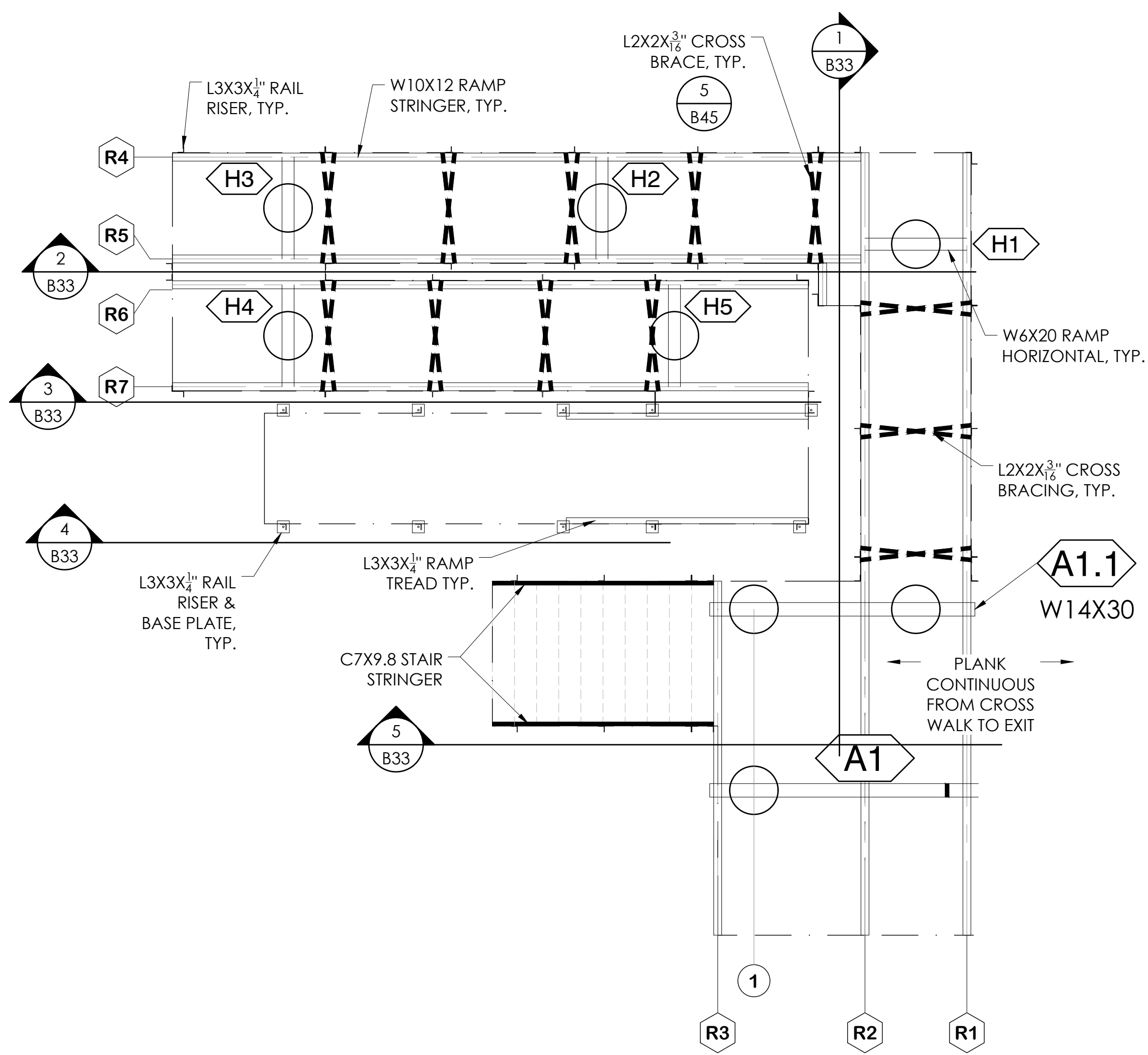
PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	DATE	DESCRIPTION	DRAWN	CHECKED

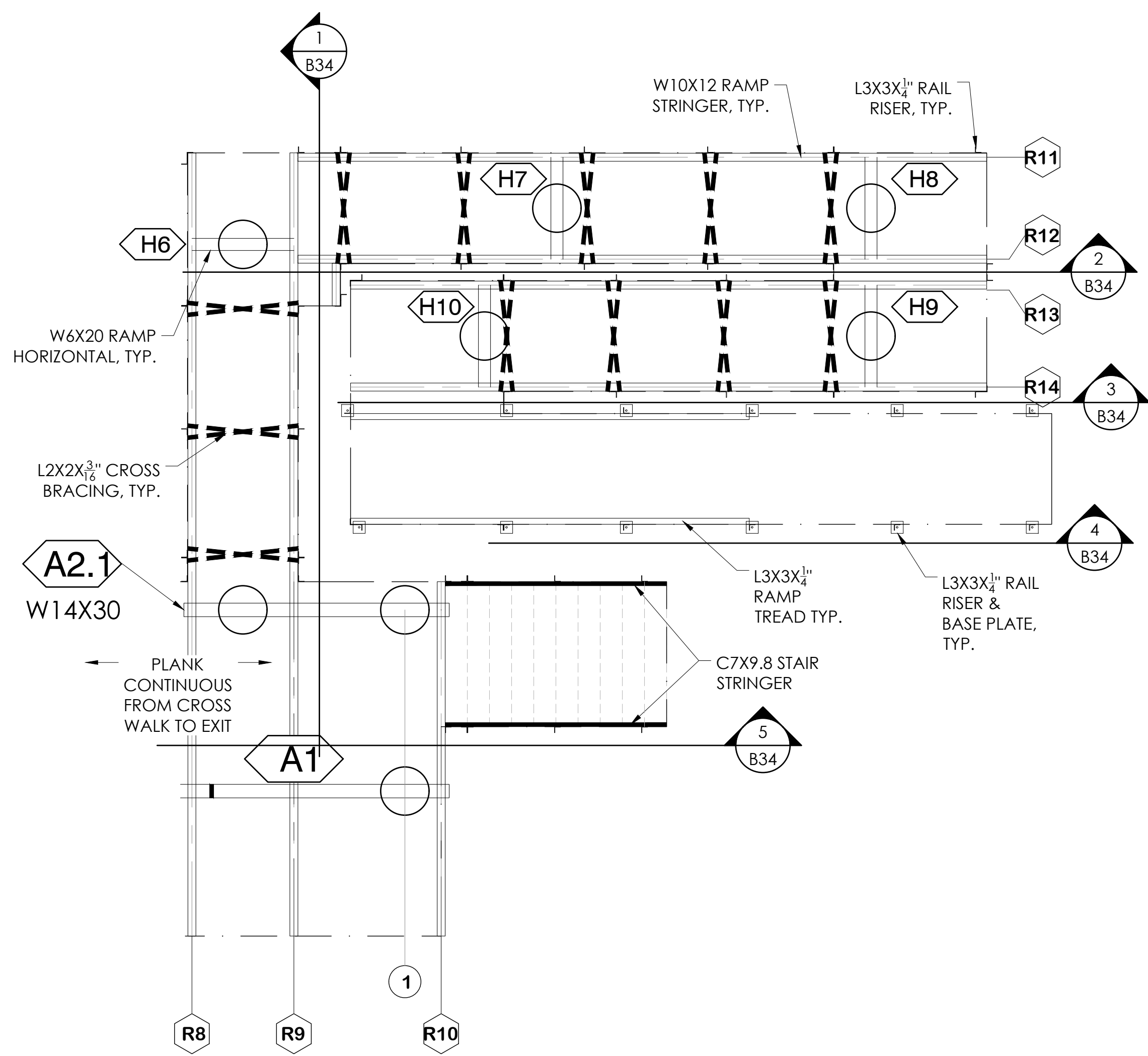
DATE: 05/05/22  
JOB NUMBER: #21369  
SHEET: B27.1 OF B47

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

① = GRID LINE (GRANDSTAND)  
 R1 = RAMP STRINGER NUMBERS  
 H1 = RAMP BEAM NUMBERS



1 ENLARGED EXIT UNDERSTRUCTURE LAYOUT  
 B28 SCALE: 1/4"=1'-0"



2 ENLARGED EXIT UNDERSTRUCTURE LAYOUT  
 B28 SCALE: 1/4"=1'-0"

REFER TO SECTION CUTS FOR DETAIL CALL OUTS

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**Professional Engineer**  
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 STATE OF CALIFORNIA  
 05/12/22  
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ENLARGED EXIT UNDERSTRUCTURE LAYOUTS - VISITOR  
 8" & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

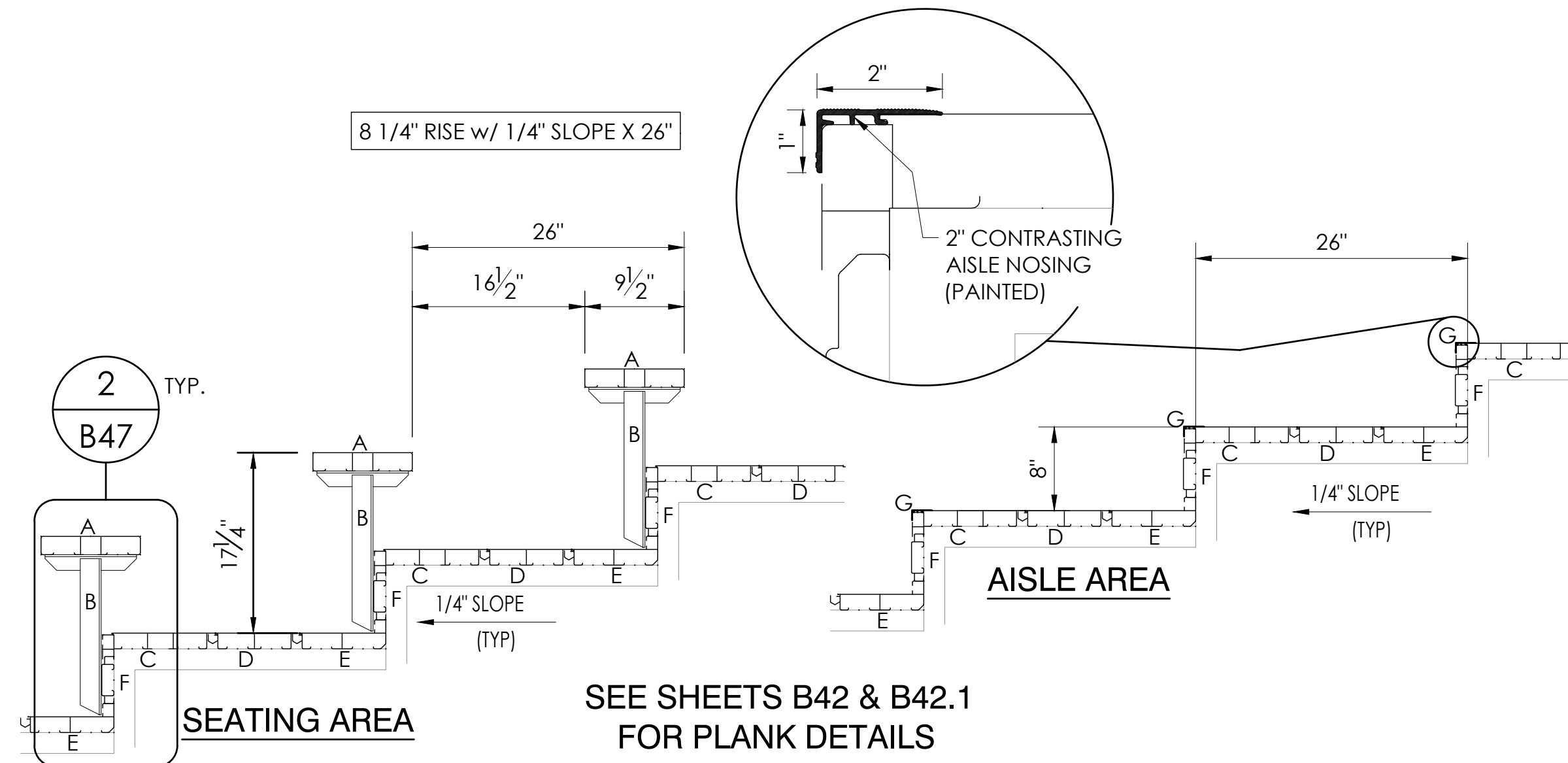
REV	DATE	DESCRIPTION

DATE: 05/05/22 DRAWN: SMR CHECKED: DMC  
 JOB NUMBER: #21369  
 SHEET: B28 OF B47

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

ITEM DESCRIPTION

- ① W 14 X 30 (50 ksi)  
HORIZONTAL BEAMS, EXCEPT B1 & B4
- ② W 10 X 12 (50 ksi)  
STRINGERS
- ③ W 6 X 15 (50 ksi)  
B ROW COLUMNS
- ④ L 3 X 3 X 1/4 (50 ksi)
- ⑤ L 2 X 2 X 3/16 (50 ksi)
- ⑥ L 2 X 1 1/2 X 3/16 (50 ksi)
- ⑦ 12 X 12 X 5/8 PLATE
- ⑧ 6 X 8 X 3/8 PLATE
- ⑨ 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
- ⑩ 3/4 X 18 ANCHOR BOLT w/  
2 HEX HEAD NUTS & FLAT WASHER
- ⑪ 9 GAUGE GALV. STEEL CHAINLINK FENCE
- ⑫ ANODIZED ALUMINUM RAIL
- ⑬ 5 X 3/8 GUSSET PLATE (A36)
- ⑭ 3 X 3/8 GUSSET PLATE (A36)
- ⑮ 2 X 1/4 GUSSET PLATE (A36)
- ⑯ W 14 X 43 (50 ksi)  
B1 & B4 HORIZONTAL BEAMS



SEE SHEETS B42 & B42.1  
FOR PLANK DETAILS

- A = 2 X 10 HEAVY ANODIZED ALUMINUM SEAT
- B = 1 1/2 X 1 1/2 GALVANIZED SEAT T-BRACKET
- C = 2 X 10 MILL ALUMINUM INTERLOCK 2000 TREAD - NOSE
- D = 2 X 8 MILL ALUMINUM INTERLOCK TREAD - DECK
- E = 2 X 8 MILL ALUMINUM INTERLOCK 2000 TREAD - HEEL
- F = 1 X 4 1/2 FLAT DUR-KYN & ANODIZED ALUMINUM RISER
- G = 1 X 2 PAINTED ALUMINUM CONTRASTING NOSING (BLACK)

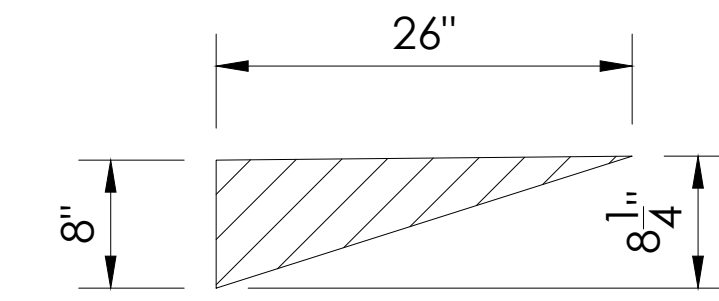
REFER TO SHEET A1.53 OF ARCHITECT PLANS

② **PLANK ARRANGEMENT - ROWS 1-3**

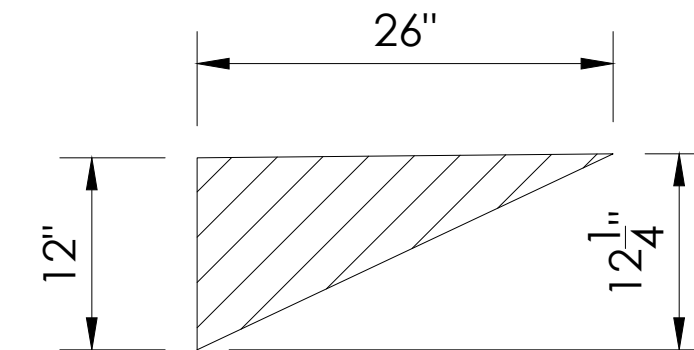
NOT TO SCALE

ATTACHMENT OF SLATS, SIGNS OR  
SIMILAR ATTACHMENTS ARE NOT  
ALLOWED TO OPEN-MESH FENCING

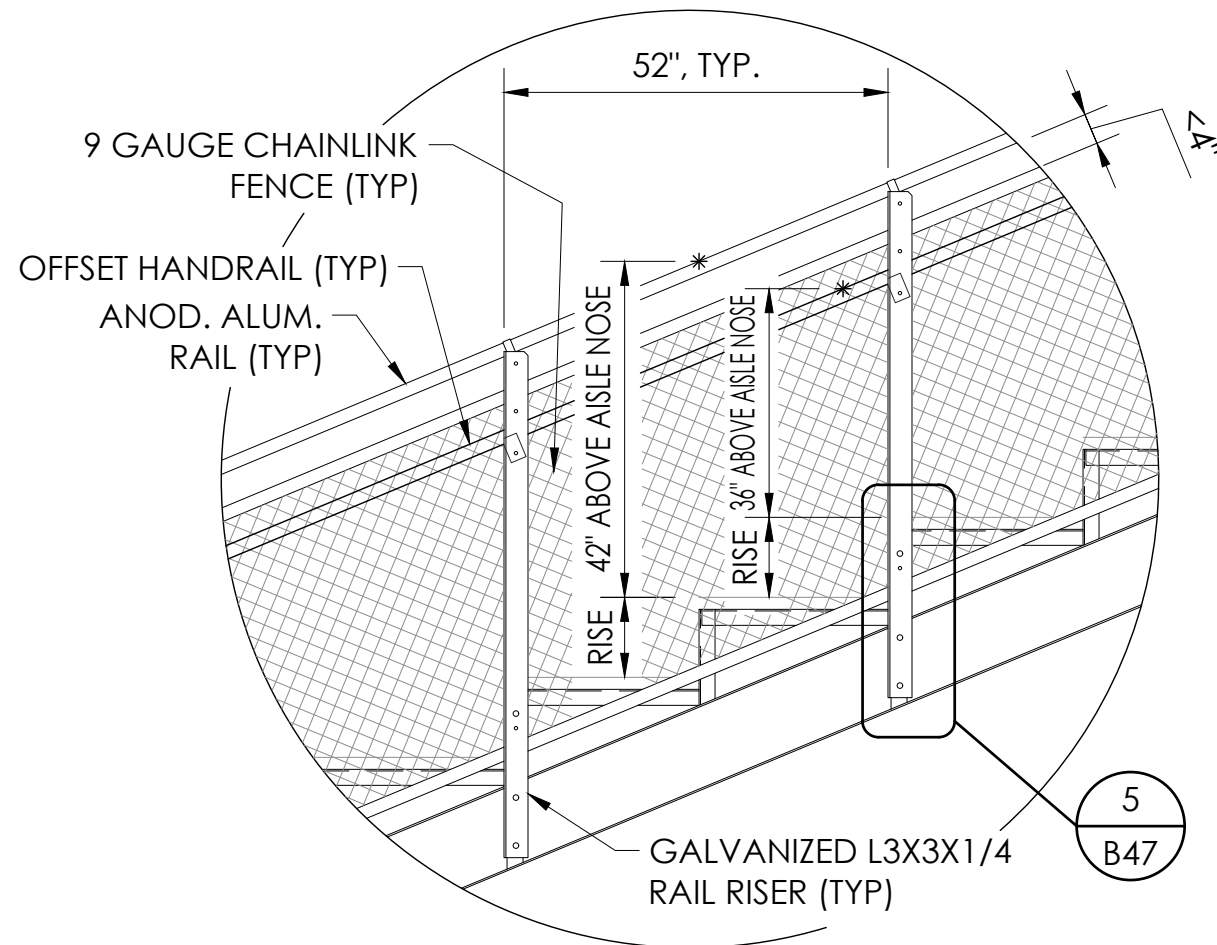
8 1/4" X 26"



③ **LOWER TREAD SLOPE DETAIL**

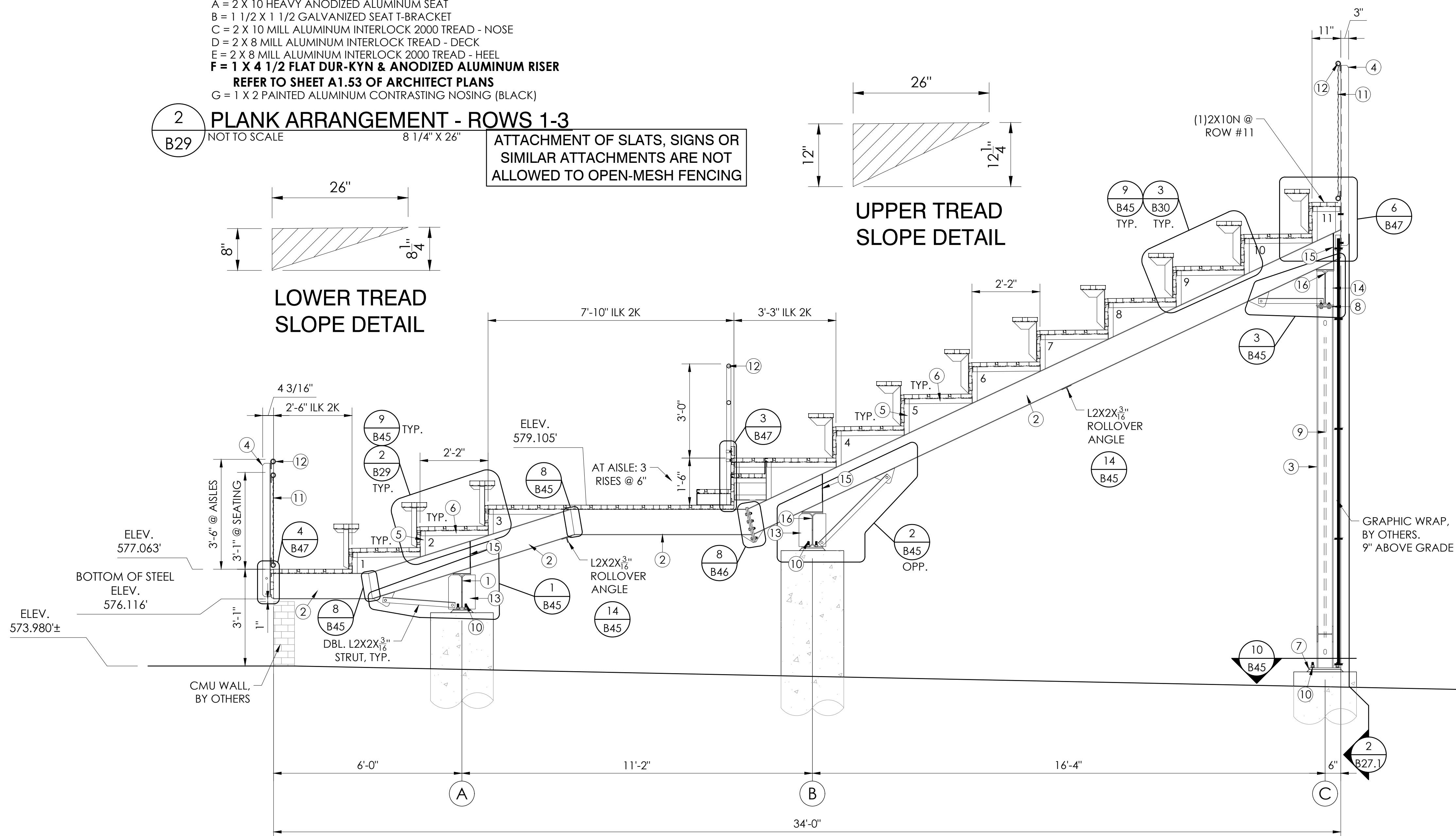


④ **UPPER TREAD SLOPE DETAIL**



③ **SIDE RAILING @ END AISLE**

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



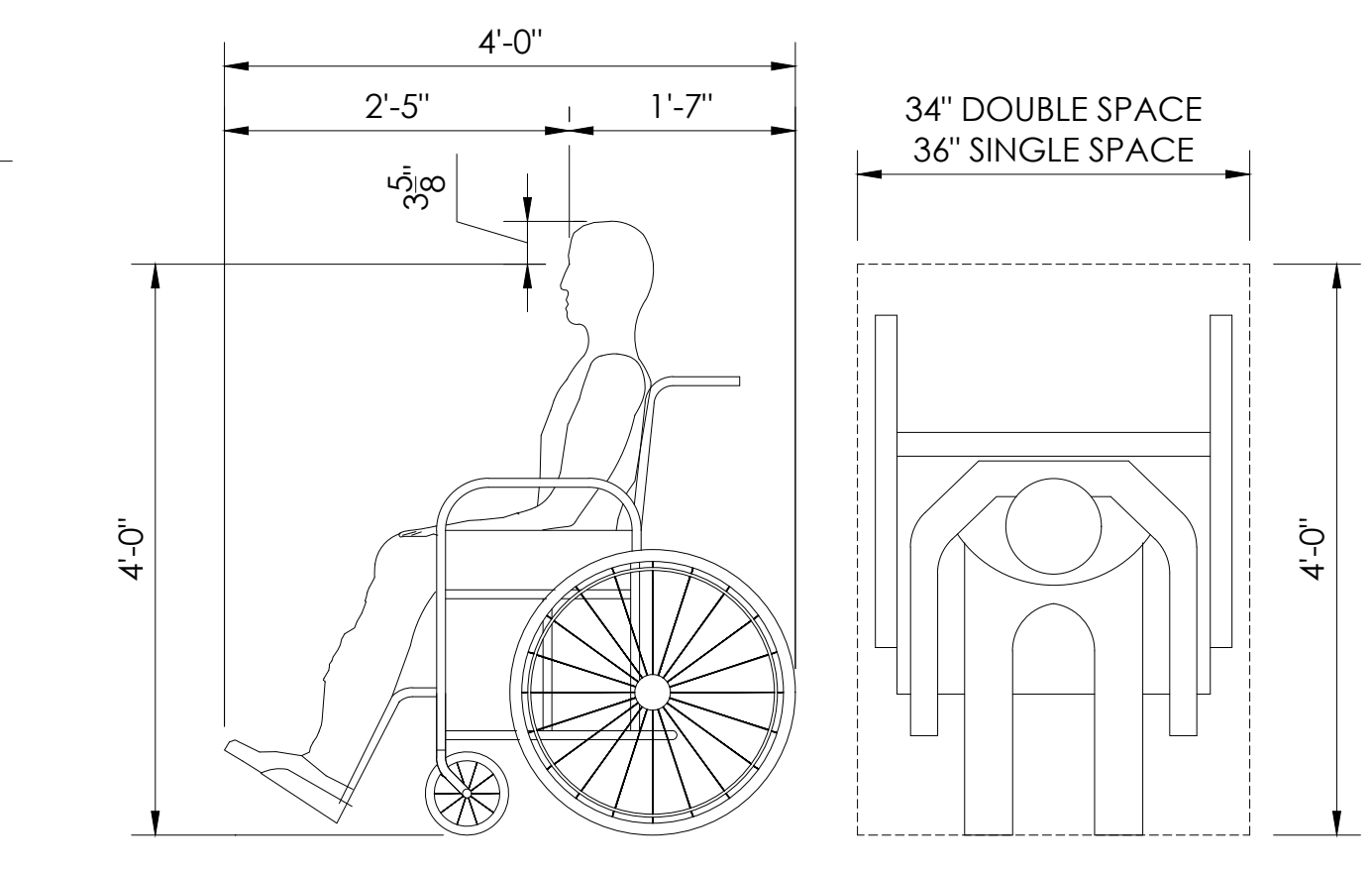
① **SECTION VIEW - VISITOR**

NOT TO SCALE

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

22' X 34' (11 X 17)

= 1/2 indicated scale



④ **SIGHT LINE PARAMETERS**

NOT TO SCALE

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05/12/22  
PRINCIPAL

SECTION VIEWS - VISITOR  
8" & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
DRAWN: SMR  
CHECKED: DMC  
JOB NUMBER: #21369

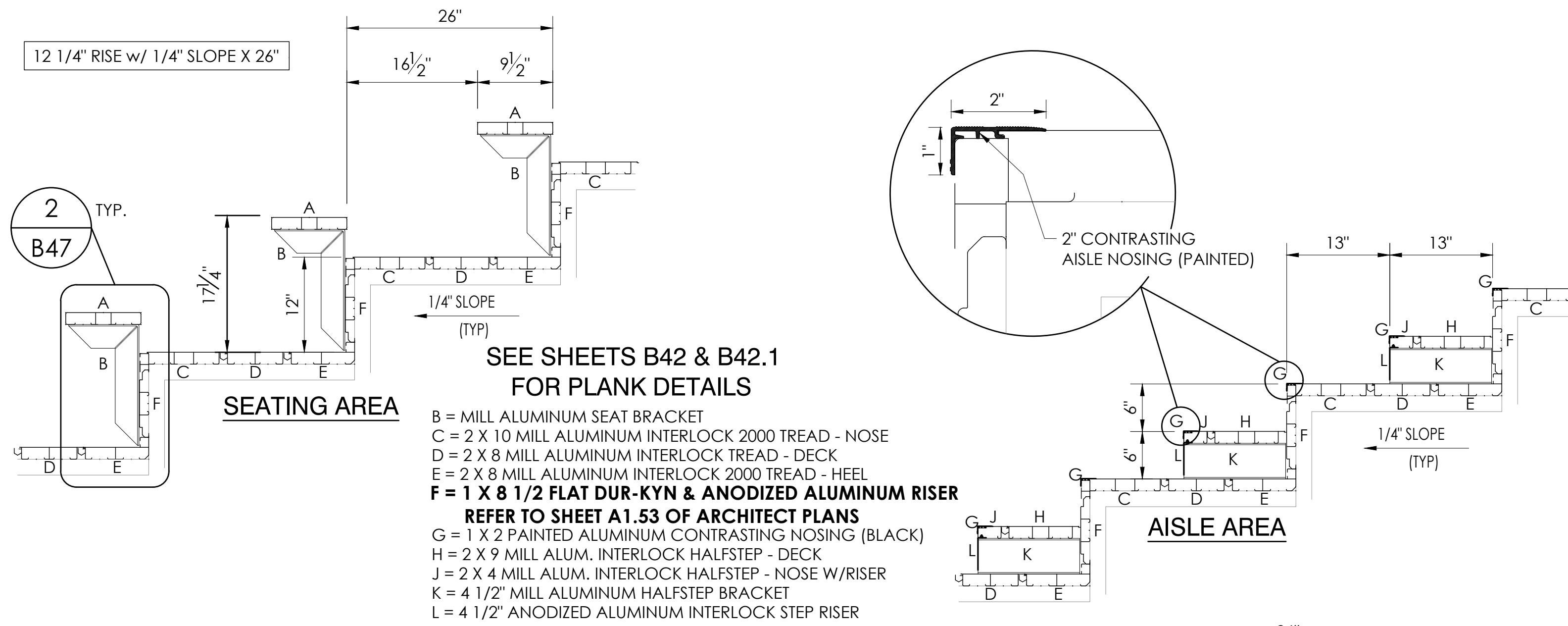
SHEET OF  
**B29** **B47**

21369



ITEM DESCRIPTION

- ① W 14 X 30 (50 ksi) HORIZONTAL BEAMS, EXCEPT B1 & B4
- ② W 10 X 12 (50 ksi) STRINGERS
- ③ W 6 X 15 (50 ksi) B ROW COLUMNS
- ④ L 3 X 3 X 1/4 (50 ksi)
- ⑤ L 2 X 2 X 3/16 (50 ksi)
- ⑥ L 2 X 1 1/2 X 3/16 (50 ksi)
- ⑦ 12 X 12 X 5/8 PLATE
- ⑧ 6 X 8 X 3/8 PLATE
- ⑨ 3/4 X REQ'D LENGTH SWAY ROD (50 ksi)
- ⑩ 3/4 X 18 ANCHOR BOLT w/ 2 HEX HEAD NUTS & FLAT WASHER
- ⑪ 9 GAUGE GALV. STEEL CHAINLINK FENCE
- ⑫ ANODIZED ALUMINUM RAIL
- ⑬ 5 X 3/8 GUSSET PLATE (A36)
- ⑭ 3 X 3/8 GUSSET PLATE (A36)
- ⑮ 2 X 1/4 GUSSET PLATE (A36)
- ⑯ W 14 X 43 (50 ksi) B1 & B4 HORIZONTAL BEAMS

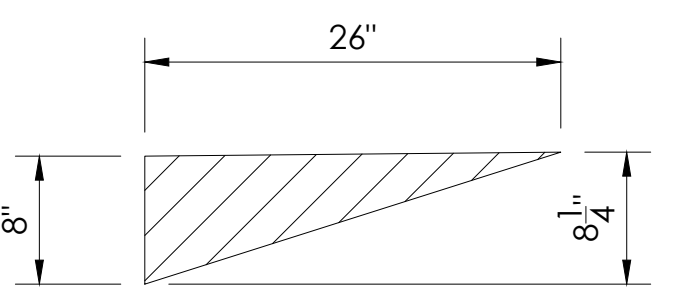


SEE SHEETS B42 & B42.1 FOR PLANK DETAILS

- B = MILL ALUMINUM SEAT BRACKET
- C = 2 X 10 MILL ALUMINUM INTERLOCK 2000 TREAD - NOSE
- D = 2 X 8 MILL ALUMINUM INTERLOCK 2000 TREAD - DECK
- E = 2 X 8 MILL ALUMINUM INTERLOCK 2000 TREAD - HEEL
- F = 1 X 8 1/2 FLAT DUR-KYN & ANODIZED ALUMINUM RISER REFER TO SHEET A1.53 OF ARCHITECT PLANS
- G = 1 X 2 PAINTED ALUMINUM CONTRASTING NOSING (BLACK)
- H = 2 X 9 MILL ALUM. INTERLOCK HALFSTEP - DECK
- J = 2 X 4 MILL ALUM. INTERLOCK HALFSTEP - NOSE W/RISER
- K = 4 1/2" MILL ALUMINUM HALFSTEP BRACKET
- L = 4 1/2" ANODIZED ALUMINUM INTERLOCK STEP RISER

2 PLANK ARRANGEMENT - ROWS 4-11  
NOT TO SCALE 12 1/4" X 26"

ATTACHMENT OF SLATS, SIGNS OR SIMILAR ATTACHMENTS ARE NOT ALLOWED TO OPEN-MESH FENCING



LOWER TREAD SLOPE DETAIL

UPPER TREAD SLOPE DETAIL

1 SECTION VIEW - VISITOR  
B30 SCALE: 1/2" = 1'-0"

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PO Box One, Graham, Texas 76650  
801 Fifth Street.  
Phone: (940) 549-0733 Fax: (940) 549-1365  
Established 1946

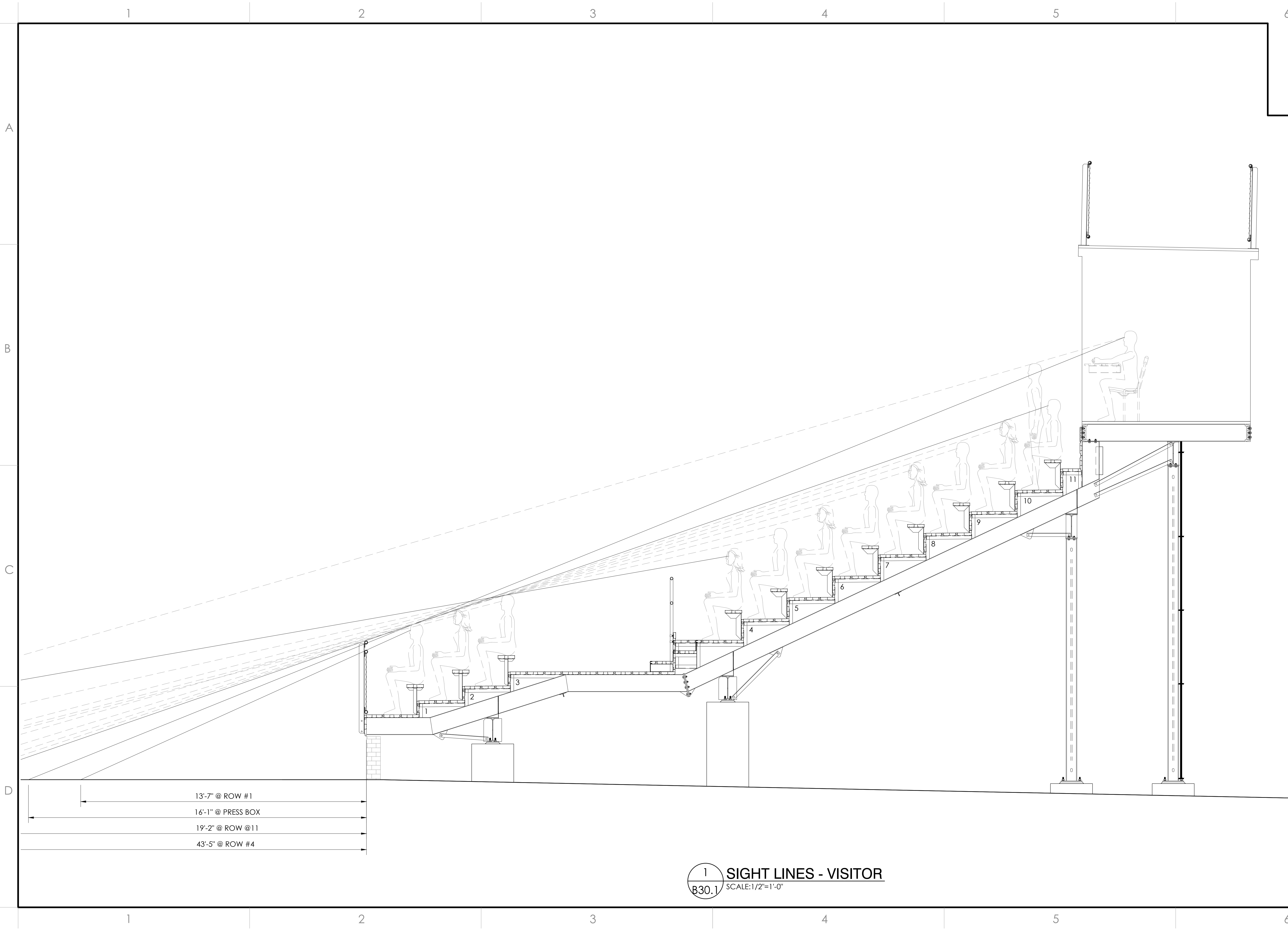
**Taylor & Syfan**  
**Southern**  
BLEACHER COMPANY

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**Professional Engineer**  
BRIAN T. DEAN  
S 6087  
Exp. 06/30/23  
STRUCTURAL  
STATE OF CALIFORNIA  
05/12/22  
PRINCIPAL

SECTION VIEWS - VISITOR	8" & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)	
PALOMAR COMMUNITY COLLEGE		
PALOMAR COMMUNITY COLLEGE DISTRICT		
SAN MARCOS, CALIFORNIA		
REV. BY	DATE	DESCRIPTION
DATE	5/05/22	
DRAWN	SMR	DMC
CHECKED		
JOB NUMBER	#21369	
SHEET	OF	
<b>B30</b>		<b>B47</b>

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



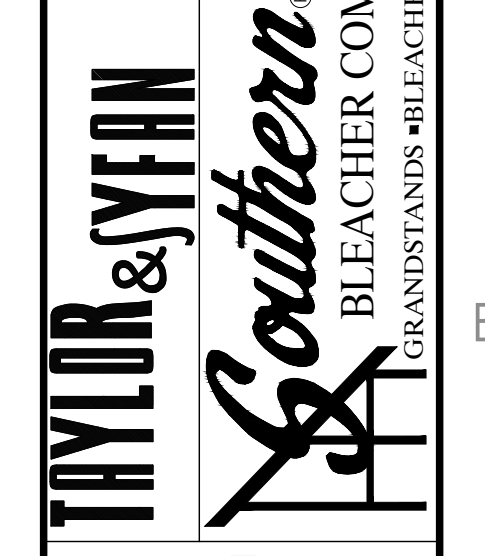
13'-7" @ ROW #1  
 16'-1" @ PRESS BOX  
 19'-2" @ ROW @11  
 43'-5" @ ROW #4

**1**  
**SIGHT LINES - VISITOR**  
 SCALE: 1/2" = 1'-0"

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 Established 1946



SIGHT LINES - VISITOR  
 8' & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

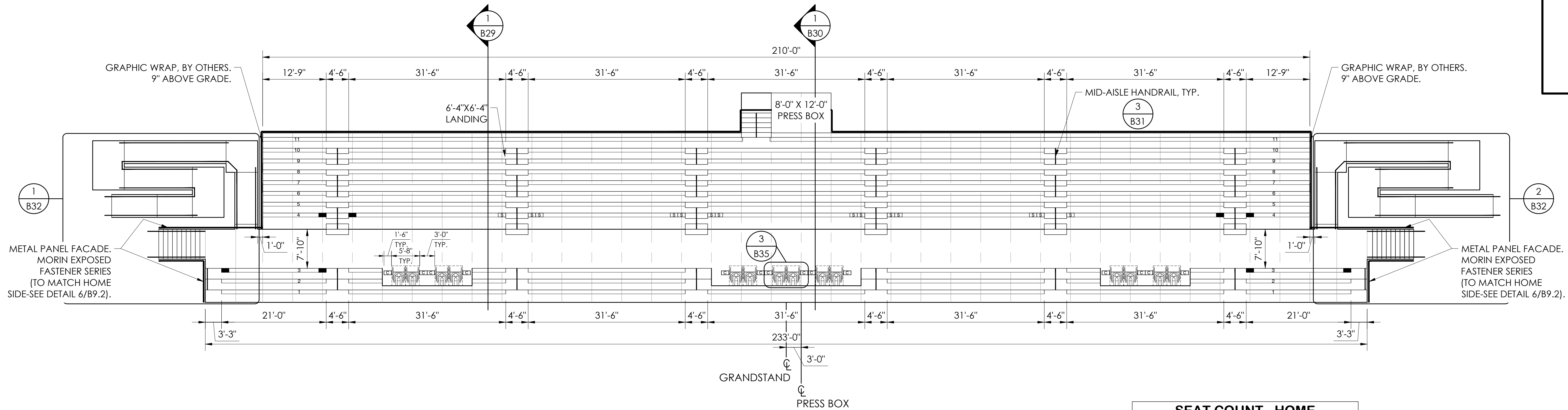
REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
 DRAWN: SMR  
 CHECKED: DMC  
 JOB NUMBER: #21369

SHEET: B30.1 OF: B47

21369

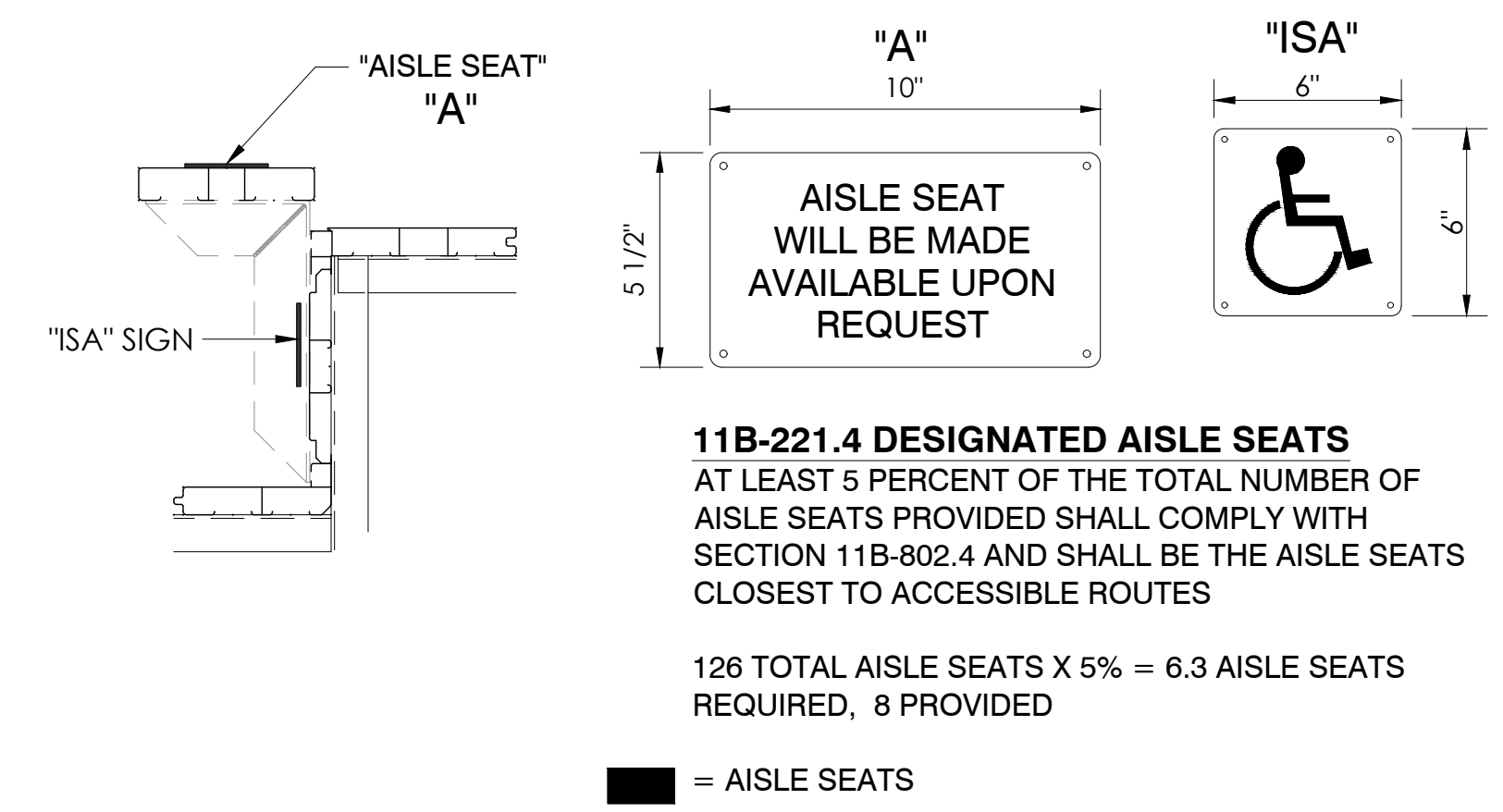
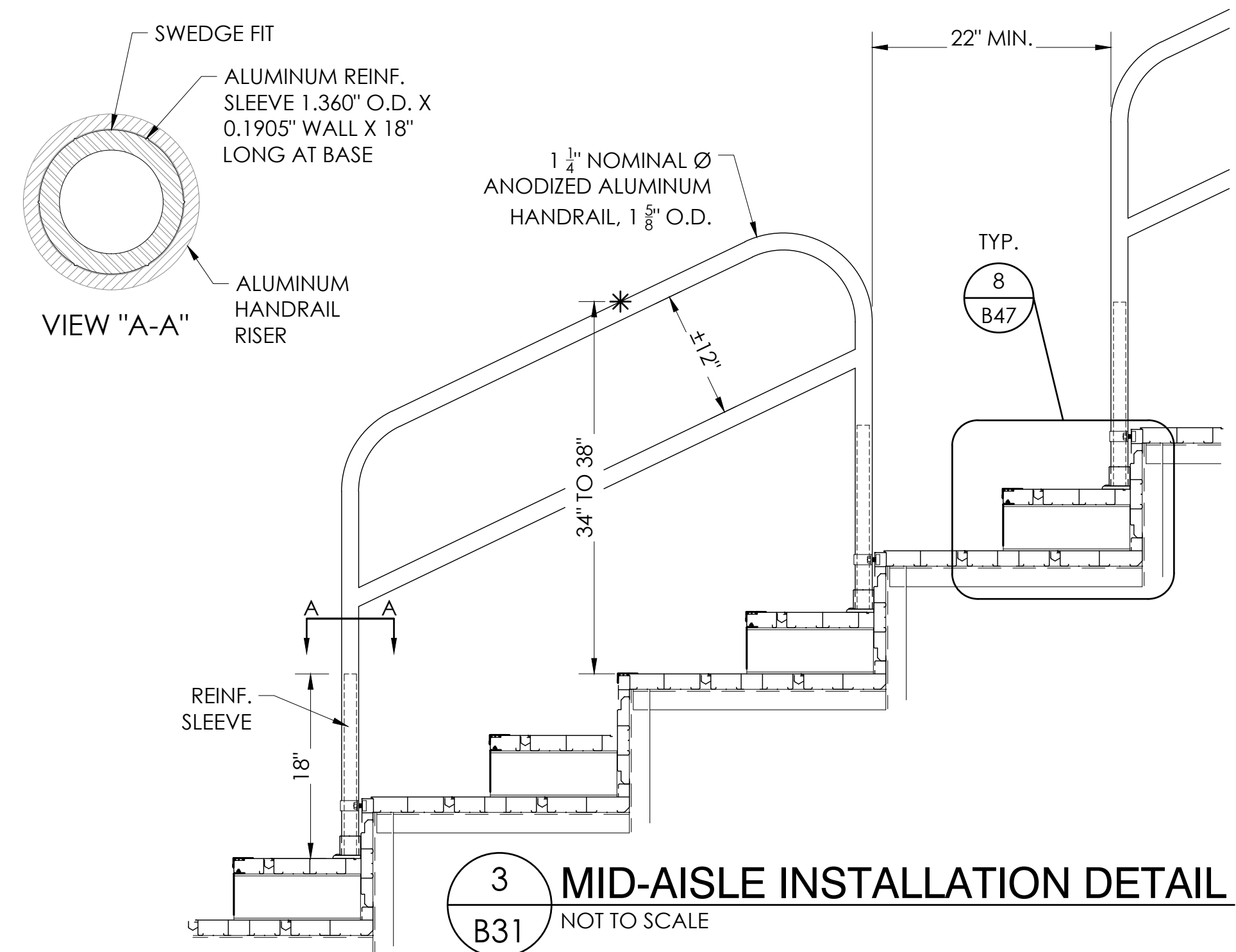
22" X 34" (11 X 17)  
 = 1/2" indicated scale



1 SEATING LAYOUT - VISITOR  
SCALE: 3/32" = 1'-0"

**SEAT COUNT - HOME**

18" BENCH SEATS	1266
34" WHEELCHAIR SPACES	14
18" COMPANION SEATS [C]	14
18" SEMI-AMBULANT SEATS [S]	14
18" AISLE SEATS	8
<b>TOTAL SEAT COUNT</b>	<b>1316</b>



2 DESIGNATED AISLE SEATS  
NOT TO SCALE

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ESTABLISHED 1946

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Professional Engineer  
S 6087  
Exp. 06/30/23  
STRUCTURAL  
STATE OF CALIFORNIA  
S&S 05/12/22  
PRINCIPAL

SEATING LAYOUT - VISITOR  
8' & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV. BY DATE DESCRIPTION

DATE 05/05/22 DRAWN SMR CHECKED DMC

JOB NUMBER #21369

SHEET 31 OF 37

B31 B47

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

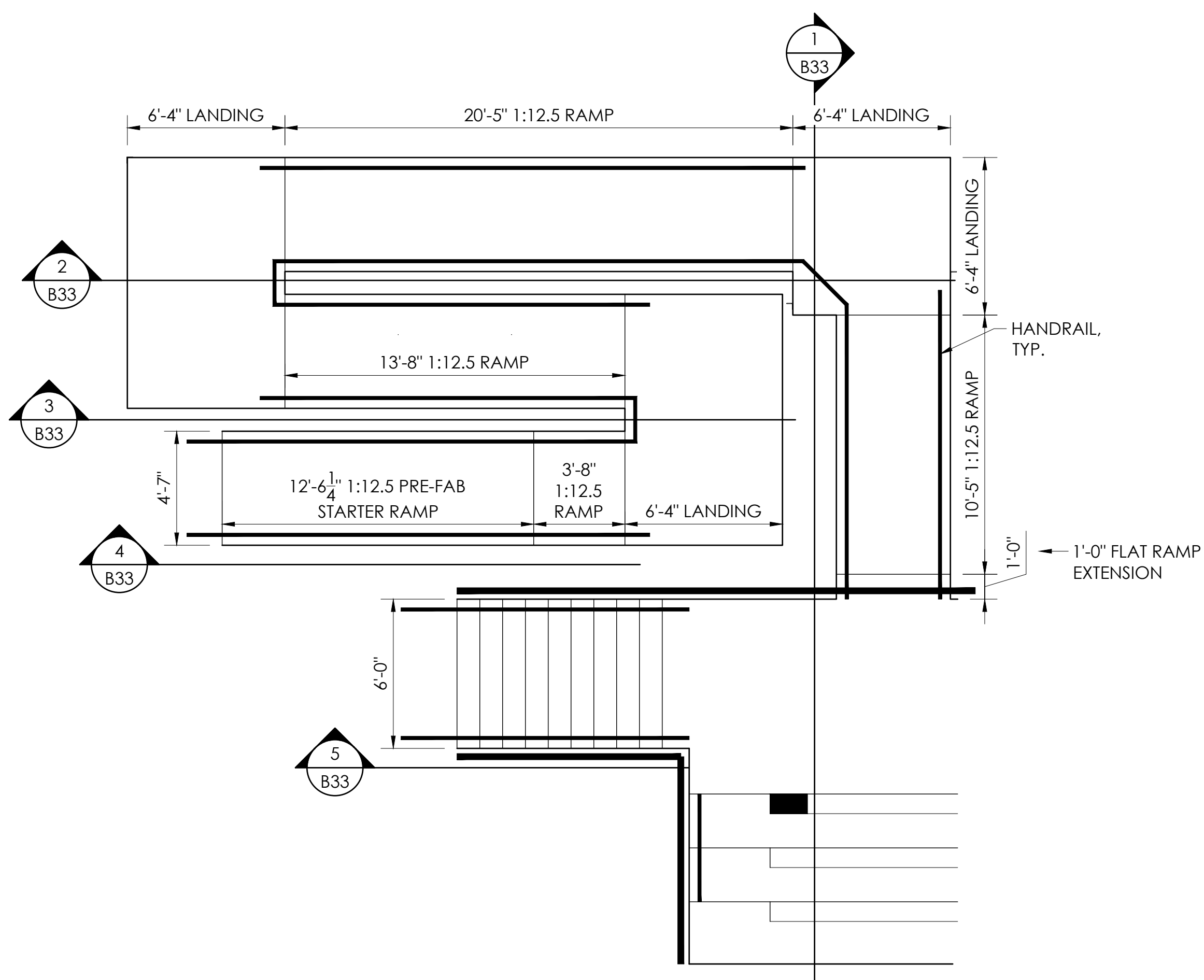
1 2 3 4 5 6

A

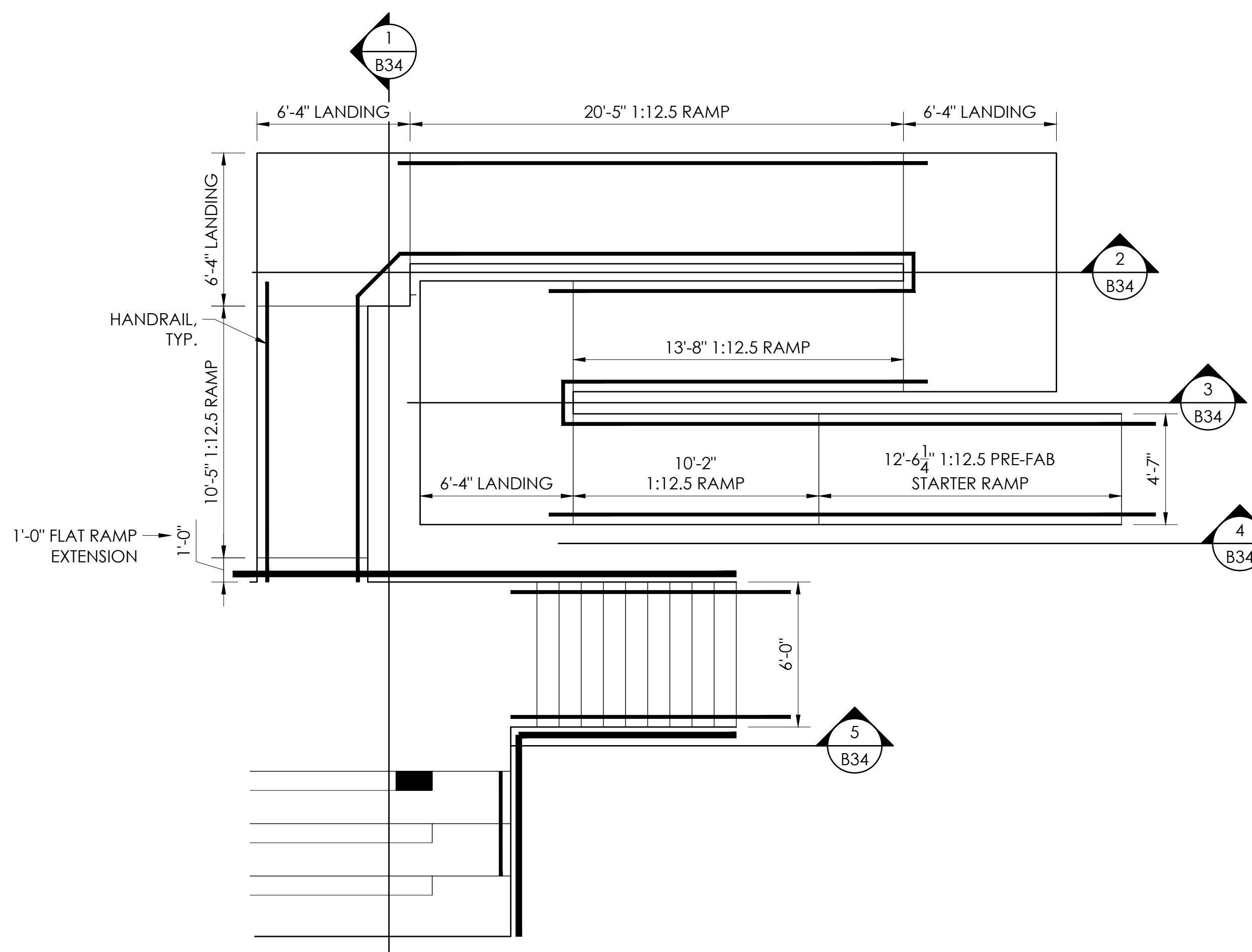
B

C

D



1 LEFT ENLARGED EXIT LAYOUT SCALE: 1/4"=1'-0"



2 RIGHT ENLARGED EXIT LAYOUT SCALE: 1/4"=1'-0"

1 2 3 4 5 6

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*Brian Dean*  
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STATE OF CALIFORNIA  
S&S 06/12/22  
PRINCIPAL

ENLARGED EXIT LAYOUTS - VISITOR  
8" & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
DRAWN: SMR  
CHECKED: DMC

JOB NUMBER: #21369

SHEET: B32 OR B47

21369

A

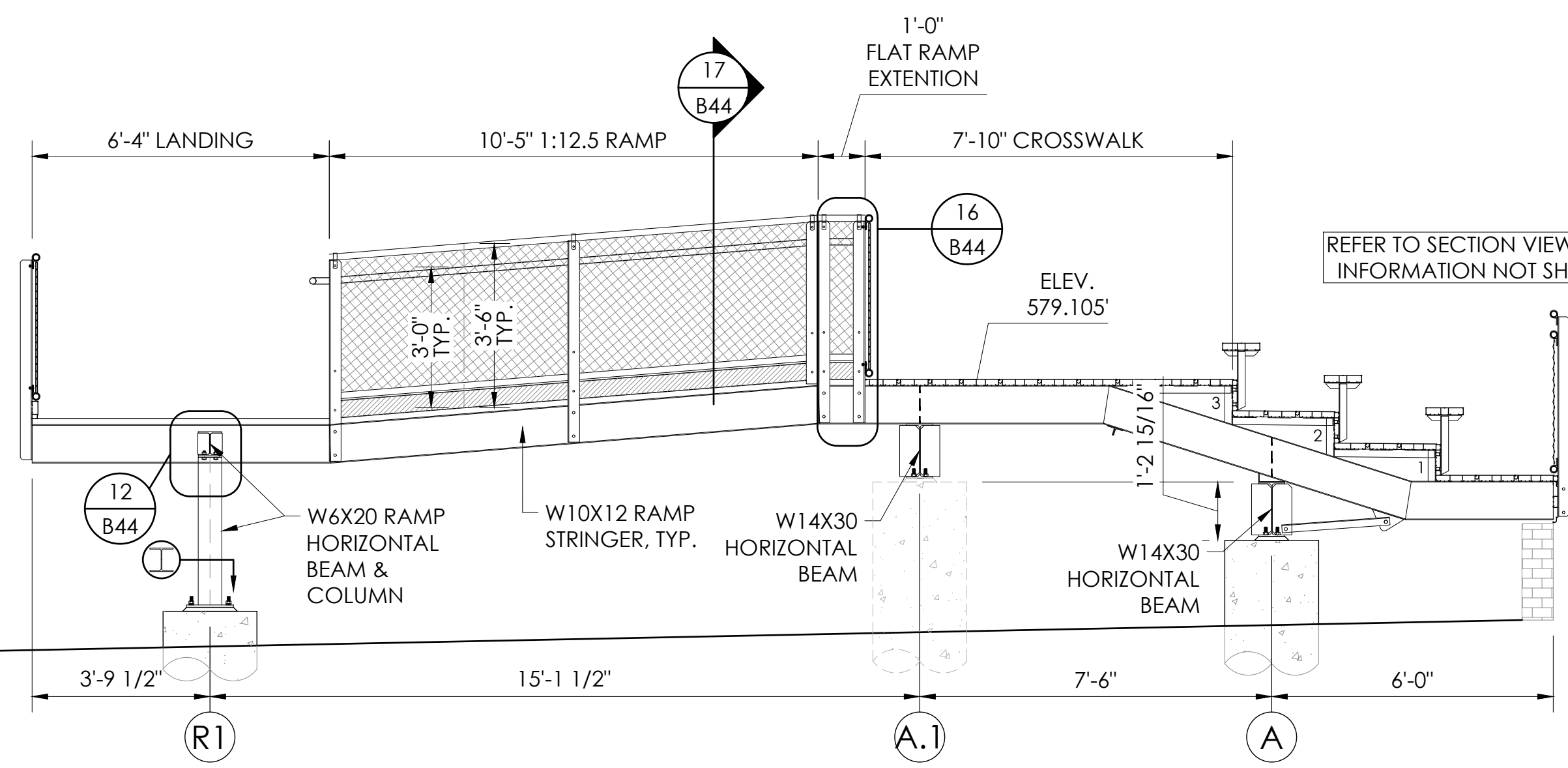
B

C

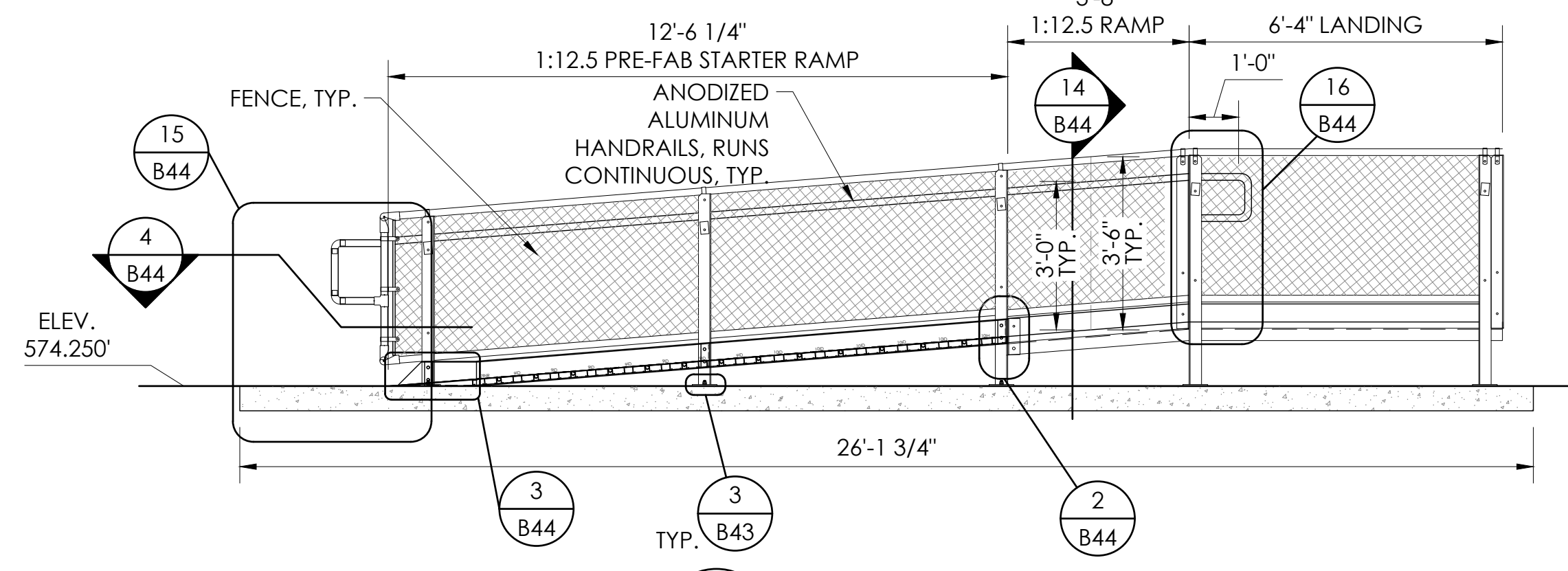
D

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

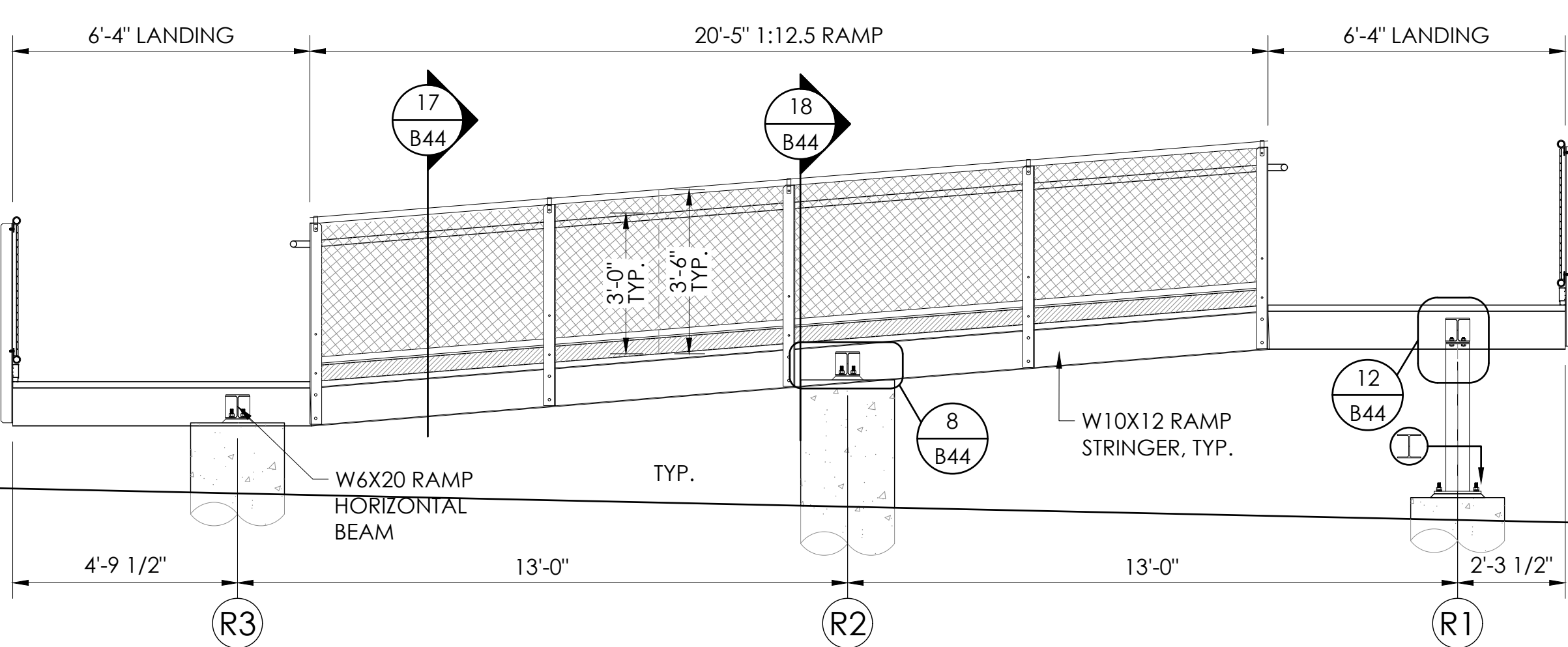




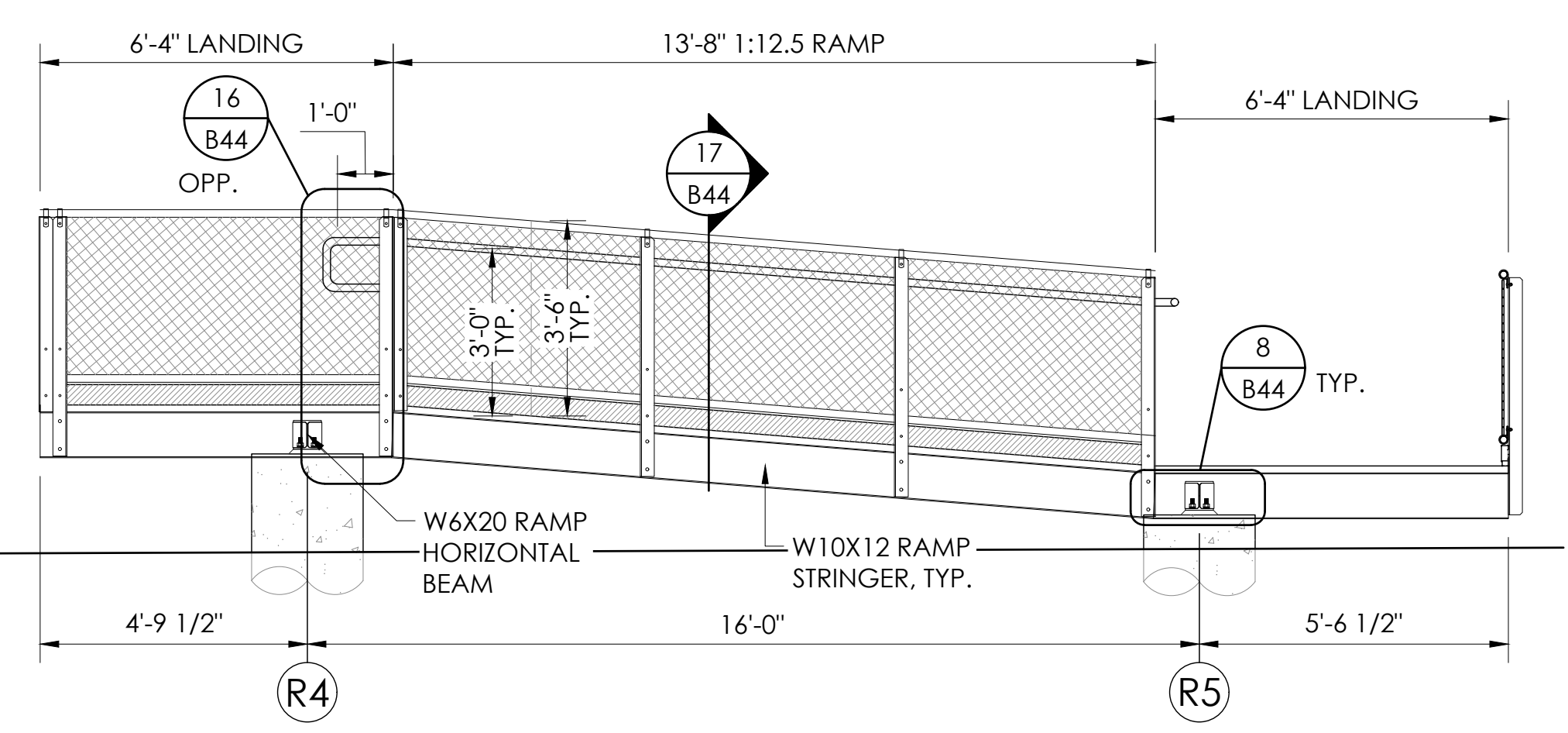
**1 LEFT EXIT RAMP DETAIL**  
B33 SCALE: 3/8"=1'-0"



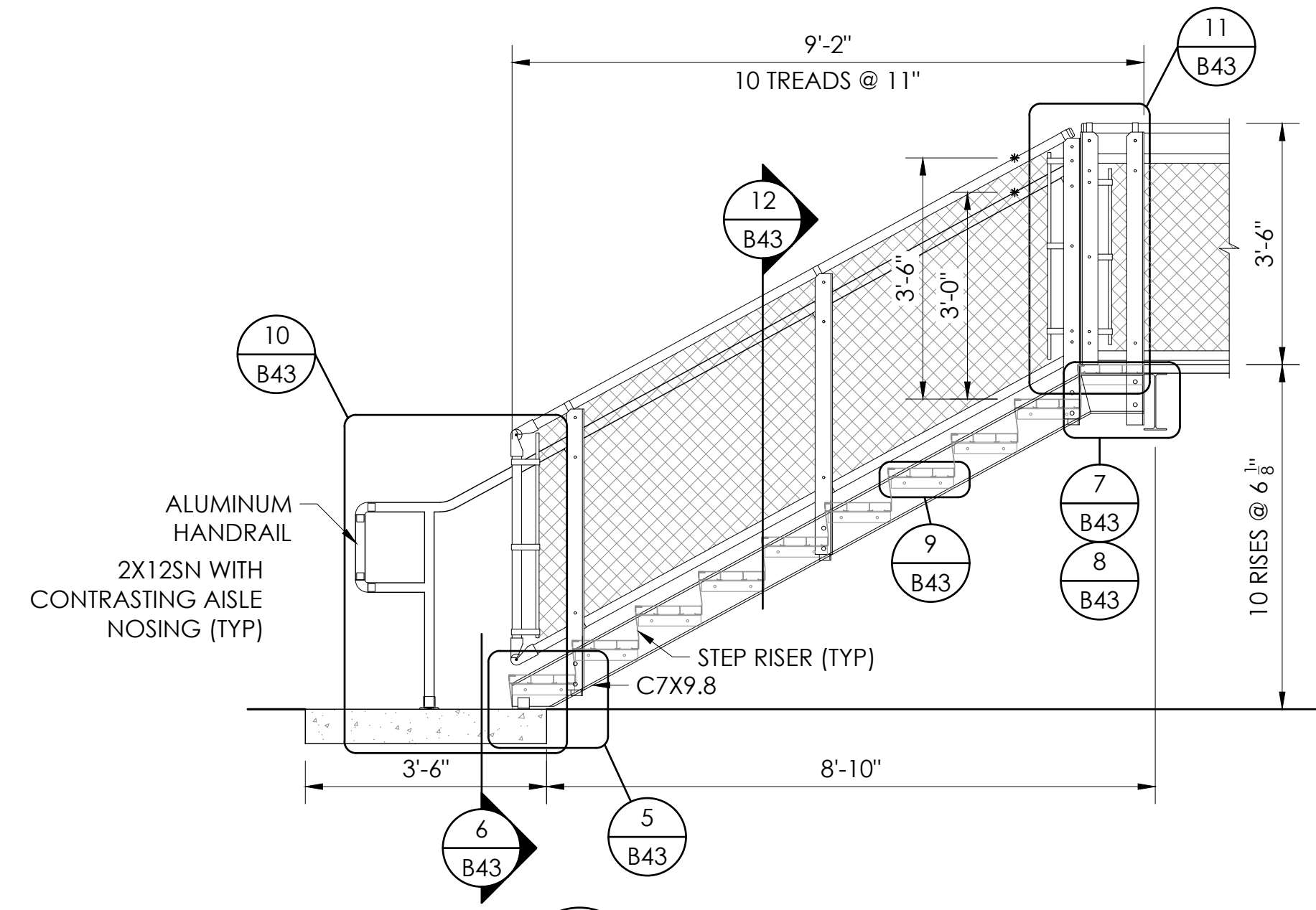
**4 LEFT EXIT RAMP DETAIL**  
B33 SCALE: 3/8"=1'-0"



**2 LEFT EXIT RAMP DETAIL**  
B33 SCALE: 3/8"=1'-0"



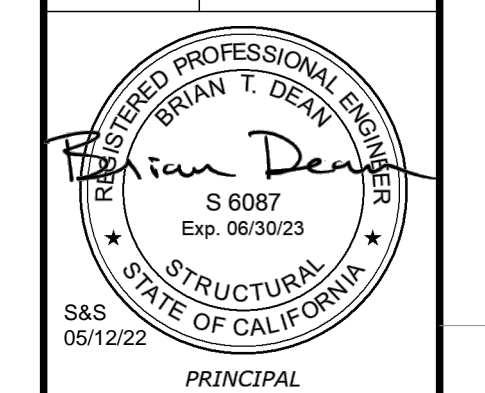
**3 LEFT EXIT RAMP DETAIL**  
B33 SCALE: 3/8"=1'-0"



**5 LEFT END EXIT DETAIL**  
B33 SCALE: 1/2"=1'-0"

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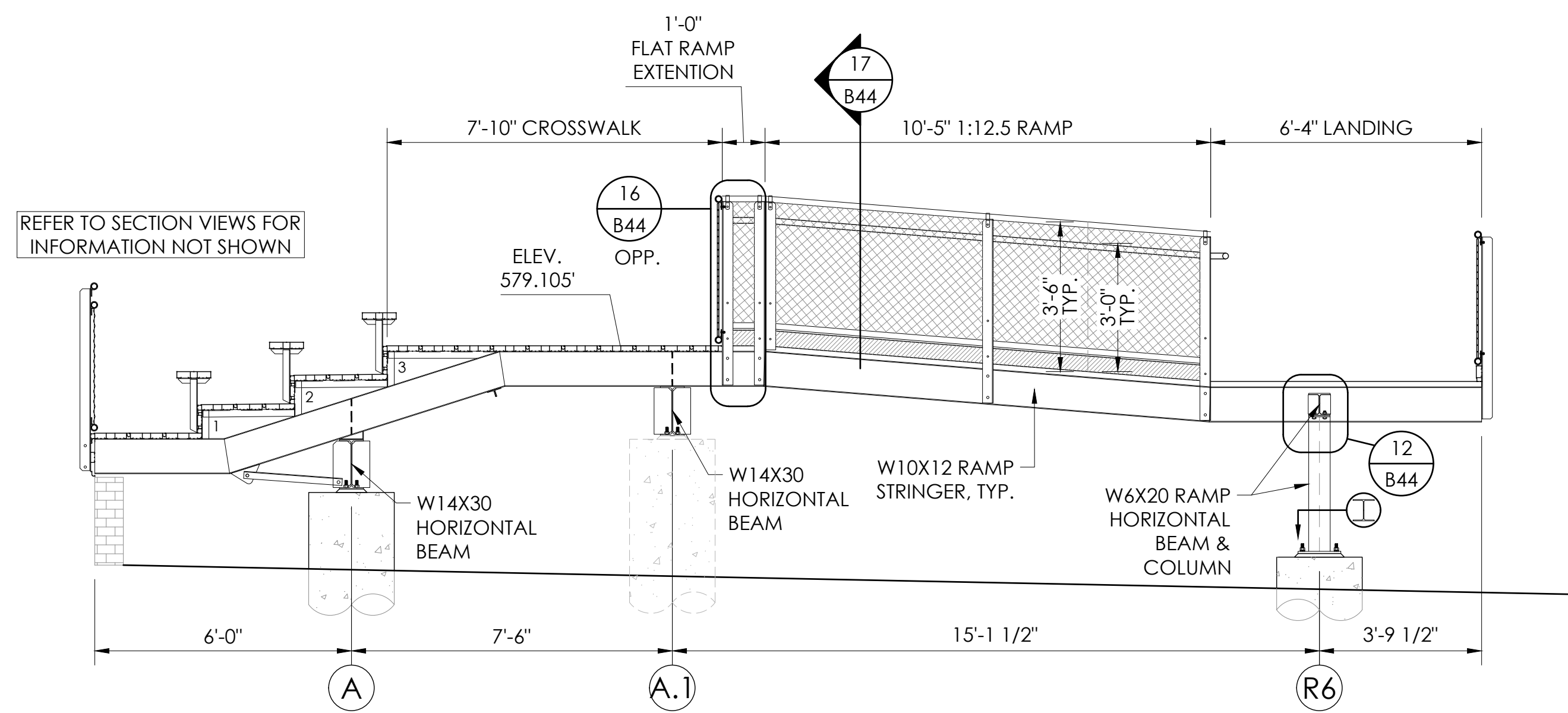
LEFT EXIT SECTIONS - VISITOR  
8' & 12' RISE X 26" TREAD / 210'-0" (11 ROWS)  
PALOMAR COMMUNITY COLLEGE  
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SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION

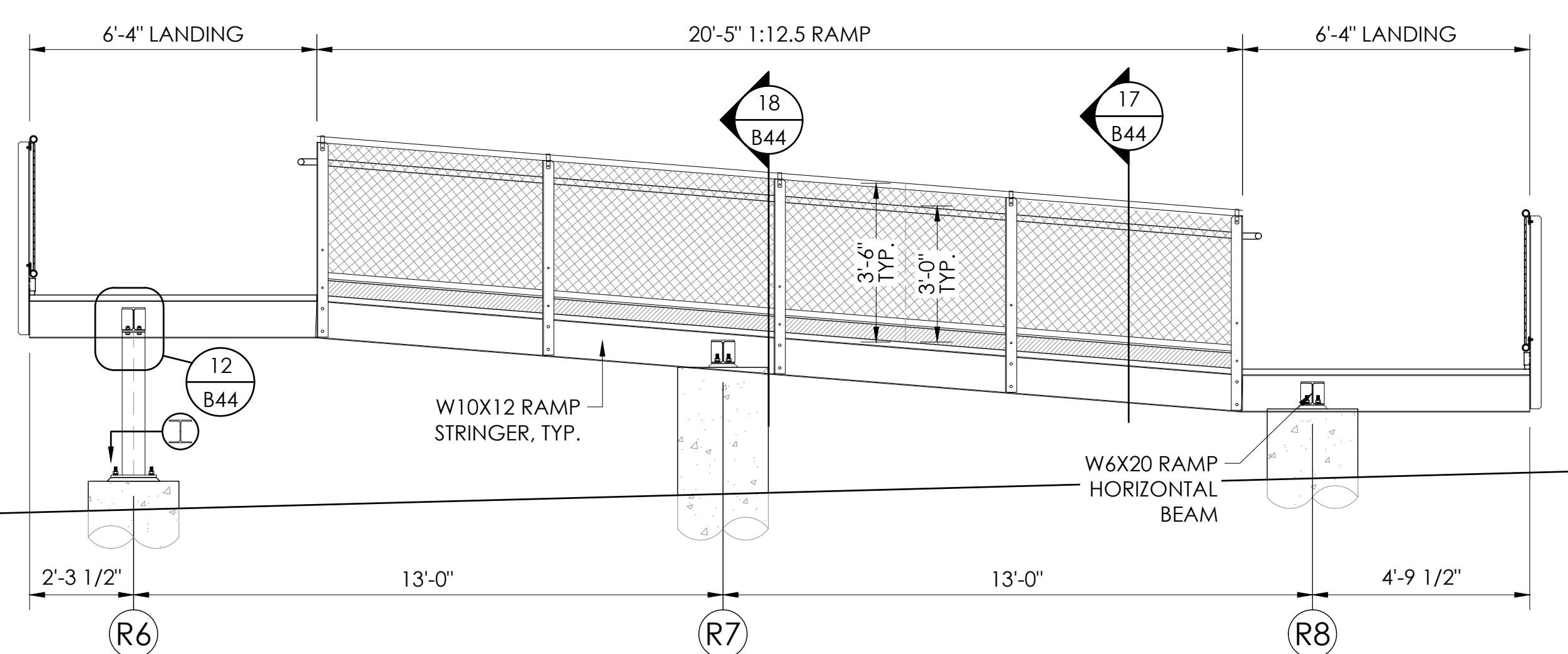
DATE: 05/05/22    DRAWN: SMR    CHECKED: DMC  
JOB NUMBER: #21369

SHEET **B33** OF **B47**

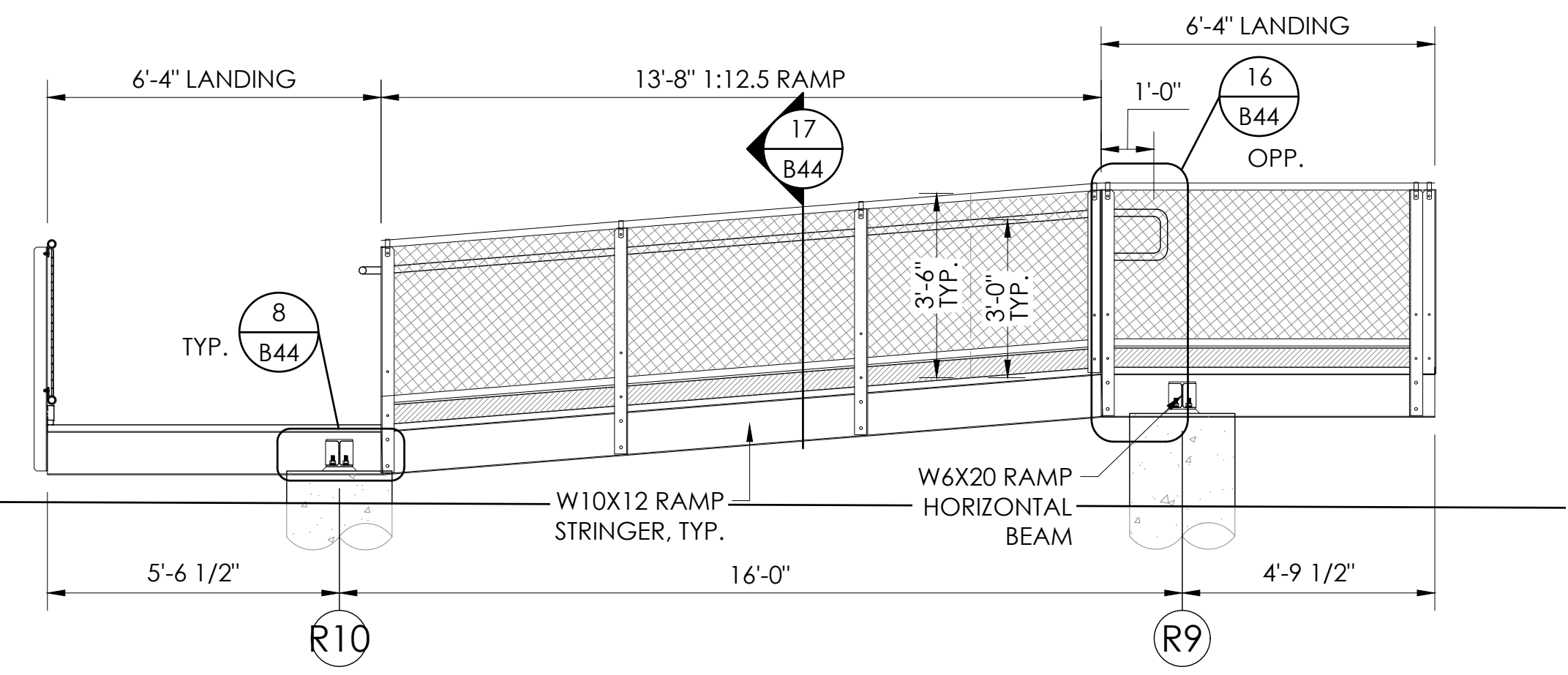
22" X 34" (11 X 17)  
= 1/2 indicated scale



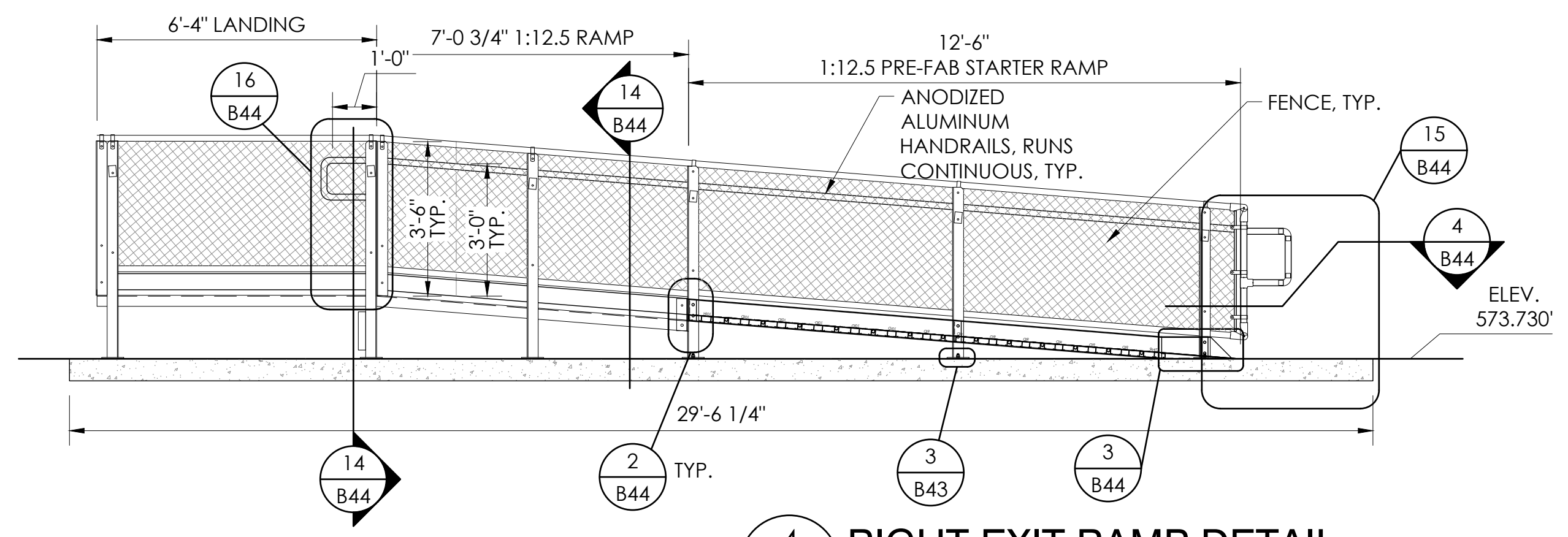
**1 RIGHT EXIT RAMP DETAIL**  
SCALE: 3/8"=1'-0"



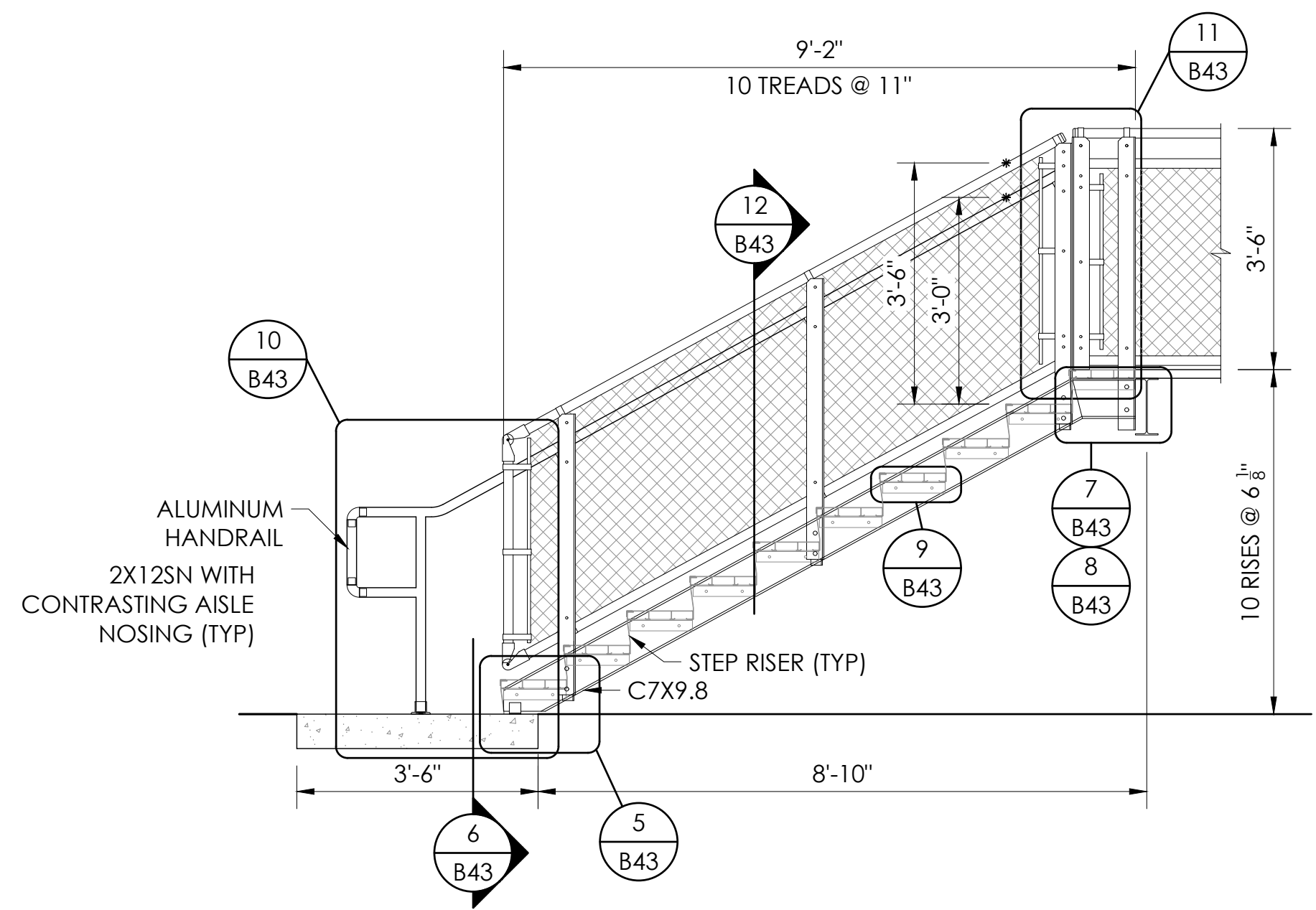
**2 RIGHT EXIT RAMP DETAIL**  
SCALE: 3/8"=1'-0"



**3 RIGHT EXIT RAMP DETAIL**  
SCALE: 3/8"=1'-0"



**4 RIGHT EXIT RAMP DETAIL**  
SCALE: 3/8"=1'-0"



**5 RIGHT END EXIT DETAIL**  
SCALE: 1/2"=1'-0"

REFER TO SECTION VIEWS FOR INFORMATION NOT SHOWN

ELEV. 579.105'

ELEV. 573.730'

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Brian Dean  
S 6087  
Exp. 06/30/23  
STRUCTURAL  
STATE OF CALIFORNIA  
S&S  
05/12/22  
PRINCIPAL

RIGHT EXIT SECTIONS - VISITOR  
8' & 12' RISE X 26" TREAD / 210'-0" (11 ROWS)

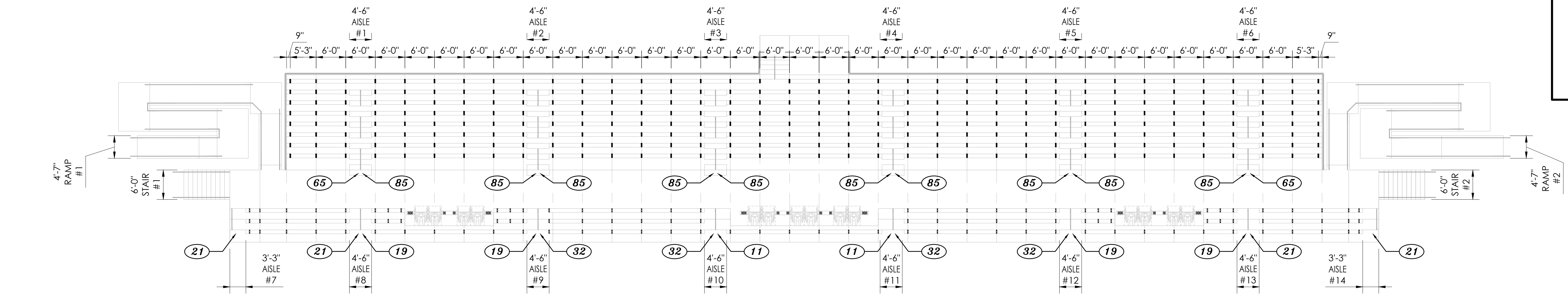
PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION	CHECKED

DATE: 05/05/22  
DRAWN: SMR  
CHECKED: DMC  
JOB NUMBER: #21369

SHEET OF  
**B34 B47**

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



CBC 2019:  
 PROVIDE 0.08" WIDTH PER SEAT FOR AISLES & STAIRS:  
 EQUIVALENT TO 150 PEOPLE PER FOOT.  
 PROVIDE 0.06" WIDTH PER SEAT FOR RAMPS:  
 EQUIVALENT TO 200 PEOPLE PER FOOT.

**AISLE WIDTH CALCULATIONS:**  
 END AISLES  
 REQUIRED AISLE WIDTH =  $<25 \text{ SEATS} \times 0.08" \text{ PER SEAT} = <2'-2"$   
 3'-0" CODE MINIMUM; 3'-9" PROVIDED - OK

MIDDLE AISLES  
 REQUIRED AISLE WIDTH =  $<175 \text{ SEATS} \times 0.08" \text{ PER SEAT} = <1'-2"$   
 4'-0" CODE MINIMUM; 4'-6" PROVIDED - OK

**AISLE ACCESSWAY (SEATING EACH SIDE):**  
 26" 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:  $16.5" - 12" / 0.3" = 15 \text{ SEATS}$   
 MAXIMUM SEATS BETWEEN AISLES: 36 SEATS  
 MAXIMUM WIDTH BETWEEN AISLES:  $36 \times 1.5' / \text{SEAT} = 54'-0"$   
 MAXIMUM ROW LENGTH SHOWN = 33'-0" OK

**AISLE ACCESSWAY (DEAD END AISLE):**  
 26" TREAD DEPTH  
 CLEAR WIDTH = DEPTH (26") LESS SEAT WIDTH (9.5") = 16.5"  
 12 SEATS FIRST 12" CLEAR = 12 SEATS  
 0.3" EACH ADDITIONAL SEAT:  $16.5" - 12" / 0.6" = 7 \text{ SEATS}$   
 MAXIMUM SEATS BETWEEN AISLES: 19 SEATS  
 MAXIMUM WIDTH BETWEEN AISLES:  $19 \times 1.5' / \text{SEAT} = 28'-5"$   
 MAXIMUM ROW LENGTH SHOWN = 12'-9" OK

**SEATING PER SECTION**

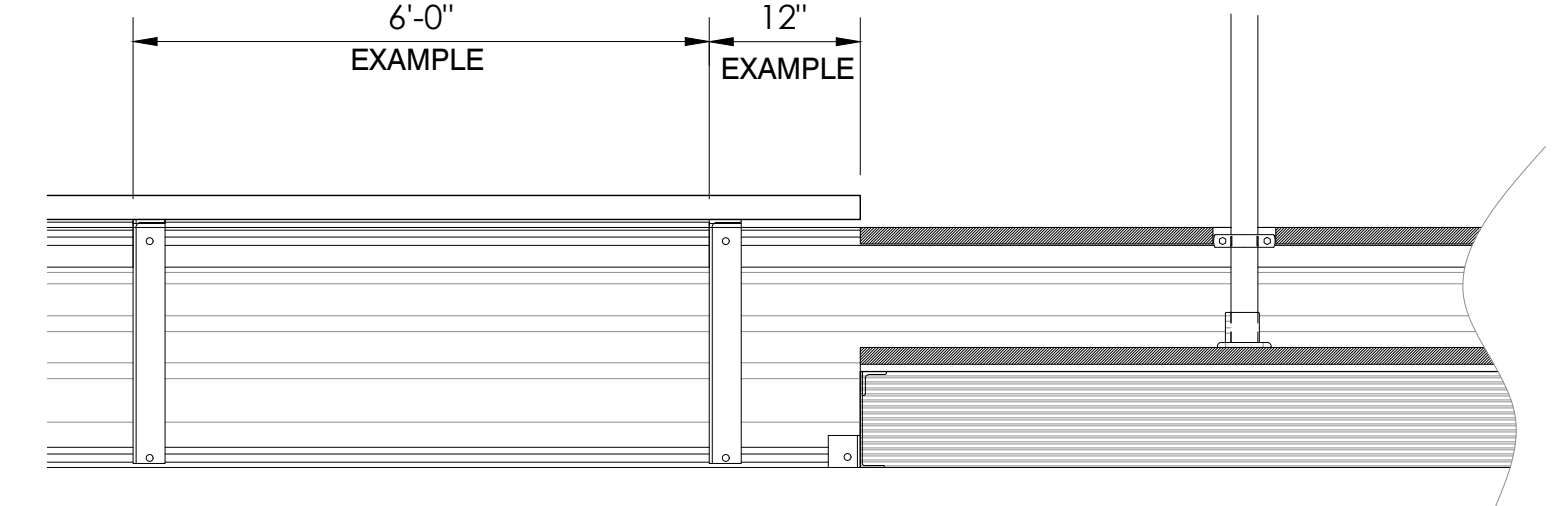
$\square = 109 \text{ "L" BRACKETS (8" X 26" / SLOPED JIG)}$

$\square = 288 \text{ "L" BRACKETS (12" X 12" / SLOPED JIG)}$

$\square = 20 \text{ MAVERICK BENCH LEGS}$

**1 SEAT BRACKET LAYOUT**  
 B35 SCALE: 1/8" = 1'-0"

NOTE:  
 ALL DIMENSIONS SHOWN ON SEAT BRACKET LAYOUT  
 ARE TO/FROM THE WELDED EDGE OF THE BRACKET

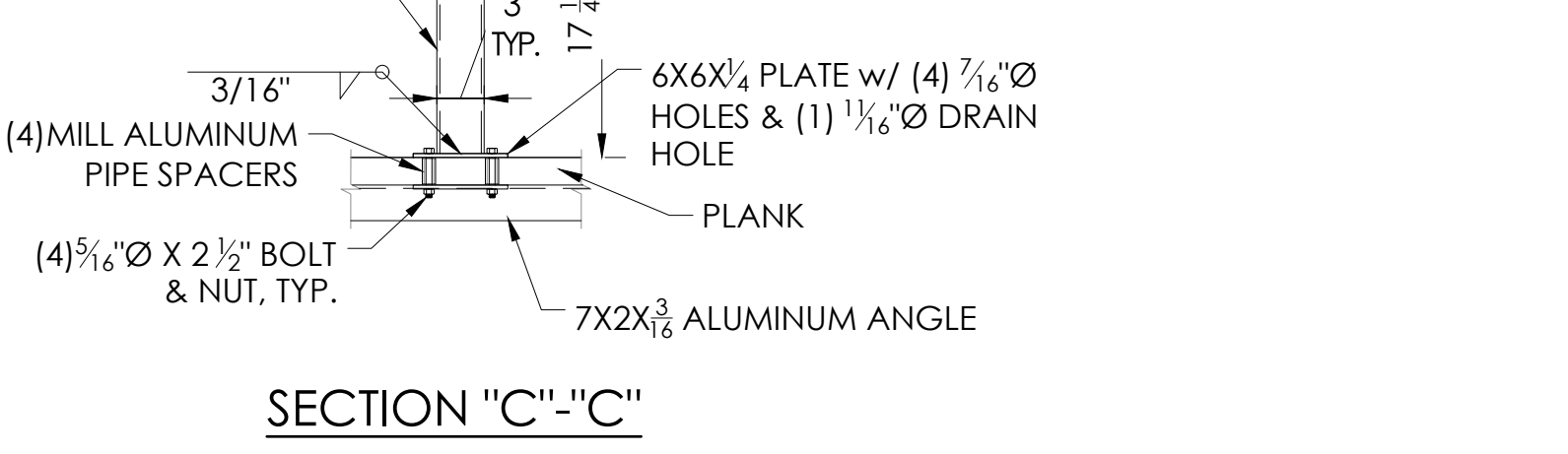
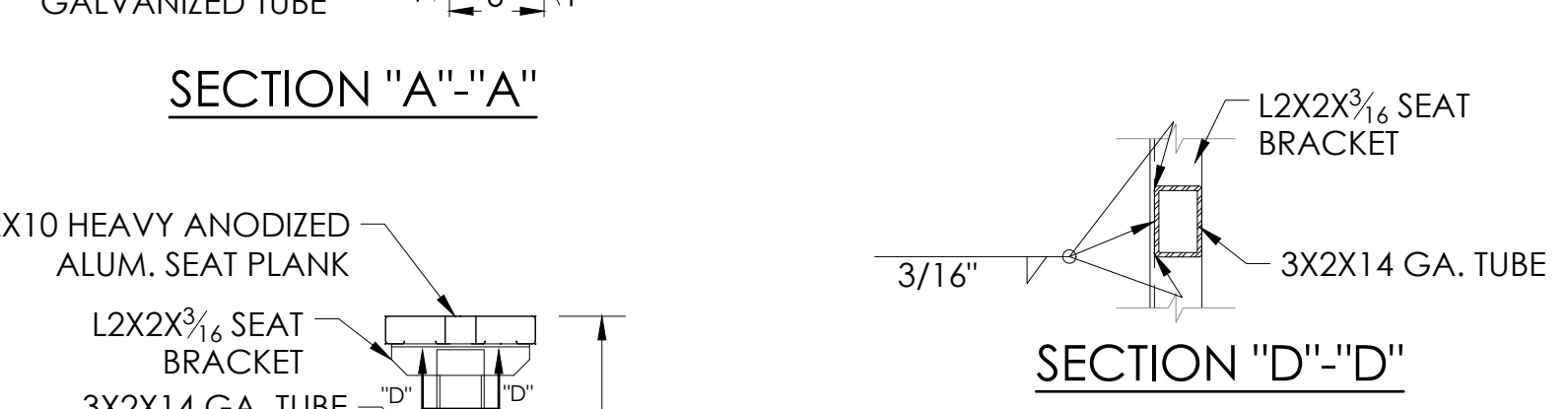
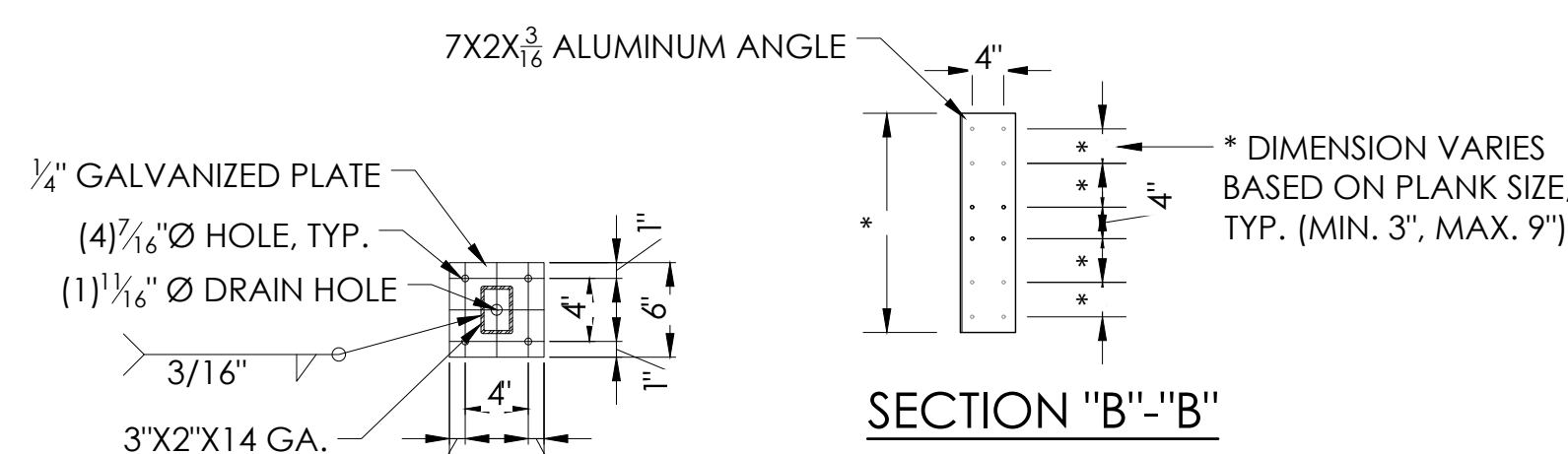
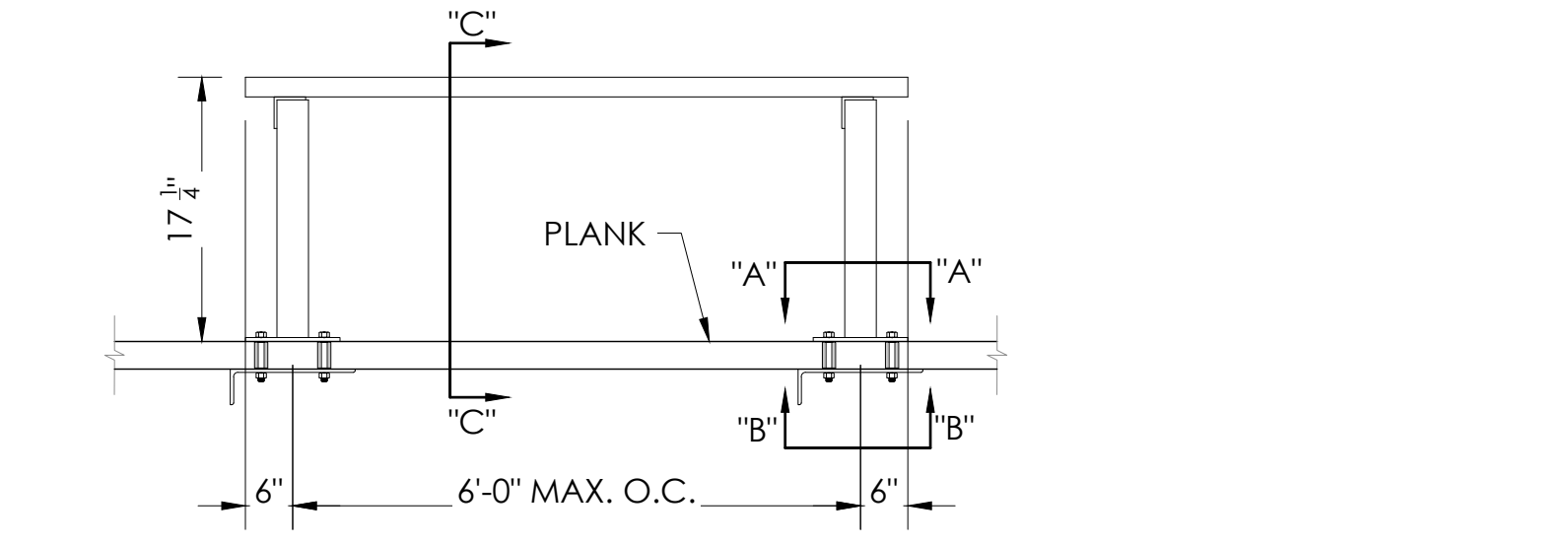


**2 BRACKET SPACE**  
 B35 NOT TO SCALE

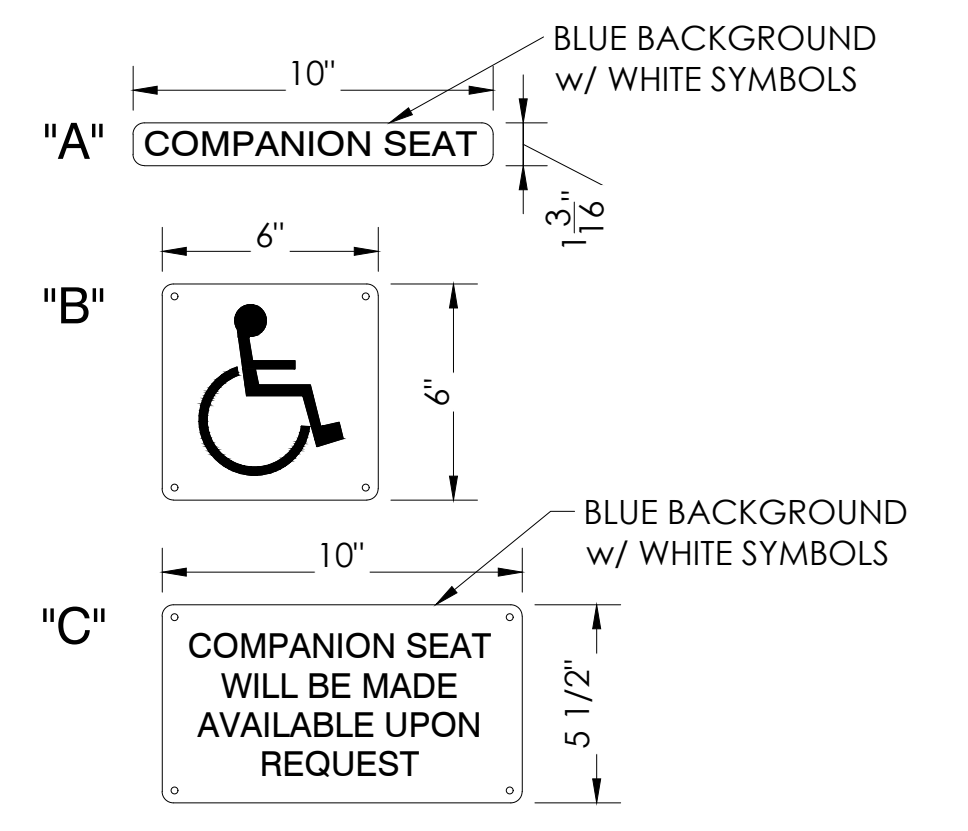
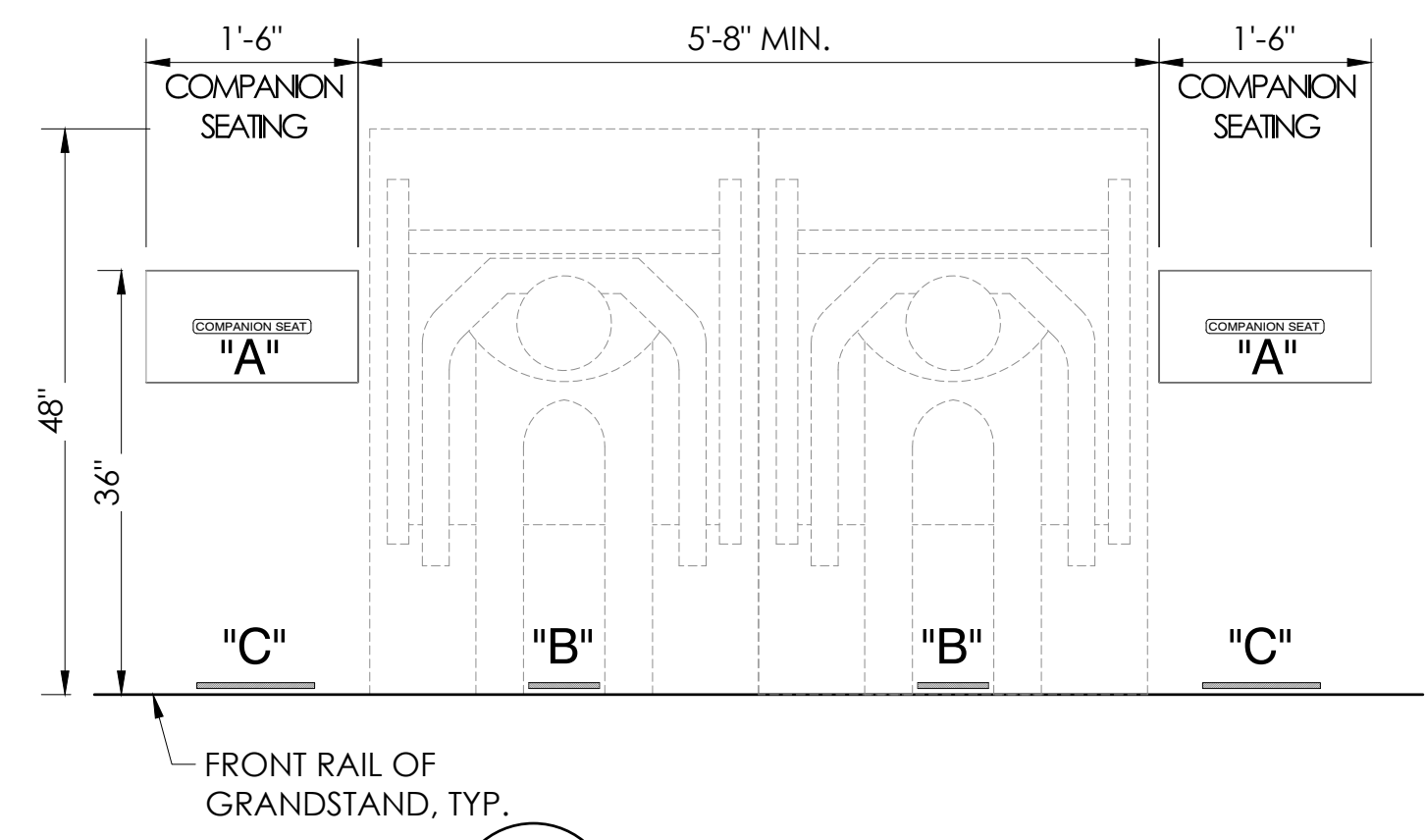
**EXIT WIDTH CALCULATIONS:**  
 STAIRS #1 & #2 @ 6'-0" =  $\frac{12'-0"}{12'-0" \text{ TOTAL STAIR EXIT WIDTH}}$

RAMPS #1 & #2 @ 4'-7" =  $\frac{9'-2"}{9'-2" \text{ TOTAL RAMP EXIT WIDTH}}$

STAIR EXIT CAPACITY  
 12'-0" X 150 PEOPLE PER FOOT = 1800 STAIR EXIT CAPACITY FURNISHED  
 RAMP EXIT CAPACITY  
 9'-2" X 200 PEOPLE PER FOOT = 1833 RAMP EXIT CAPACITY FURNISHED  
 3633 TOTAL EXIT CAPACITY (ACTUAL CAPACITY 1316)



**4 MAVERICK BENCH DETAIL**  
 B35 NOT TO SCALE



SIGNAGE TYP. @ WHEELCHAIR AREAS

A = COMPANION: 1 3/16" X 10" PLASTIC

B = ACCESSIBLE: 6" X 6" 0.040 ALUM.

C = COMPANION: 5 1/2" X 10" 0.040 ALUM.

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 BRYAN T. DEAN  
 S 6087  
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 STATE OF CALIFORNIA  
 S&S  
 05/12/22  
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SEATING BRACKET LAYOUT - VISITOR  
 8' & 12" RISE X 26" TREAD / 210'-0" (11 ROWS)

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

REV	DATE	DESCRIPTION

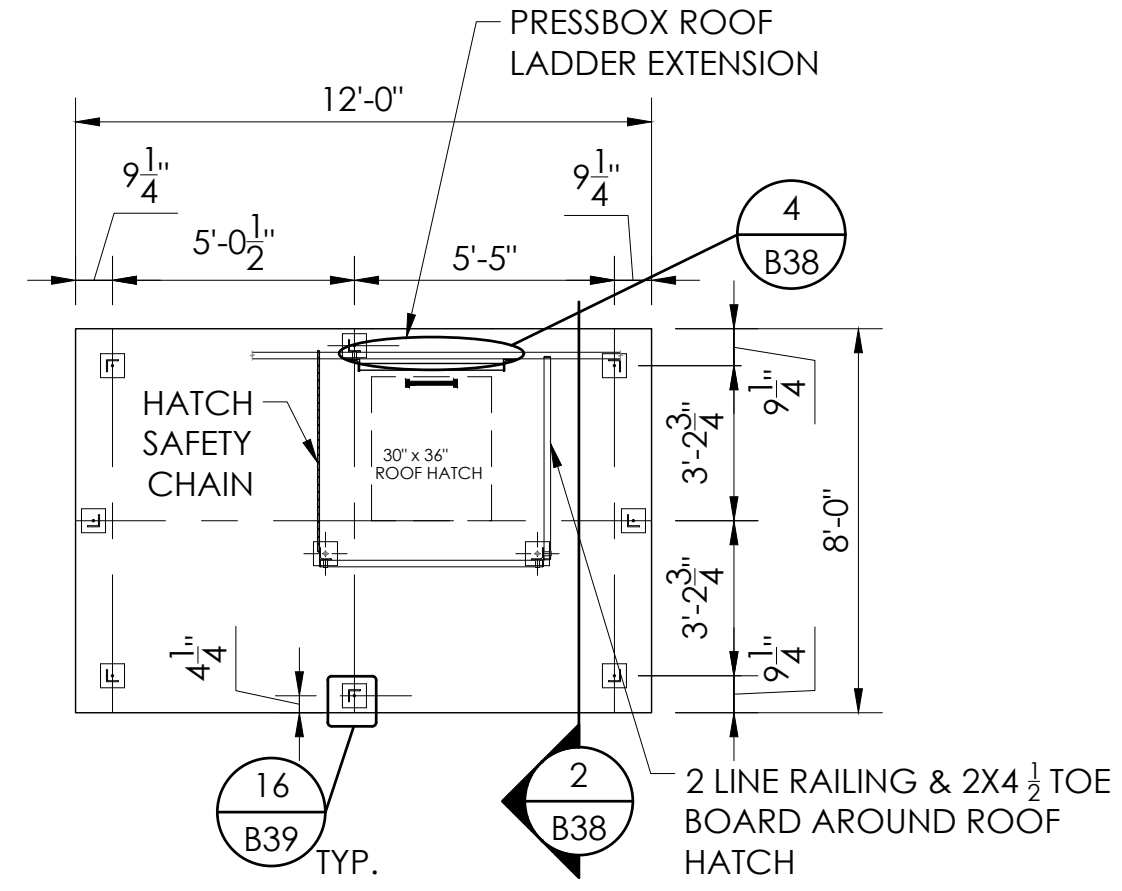
DATE: 05/05/22  
 DRAWN: SMR  
 CHECKED: DMC

JOB NUMBER: **#21369**

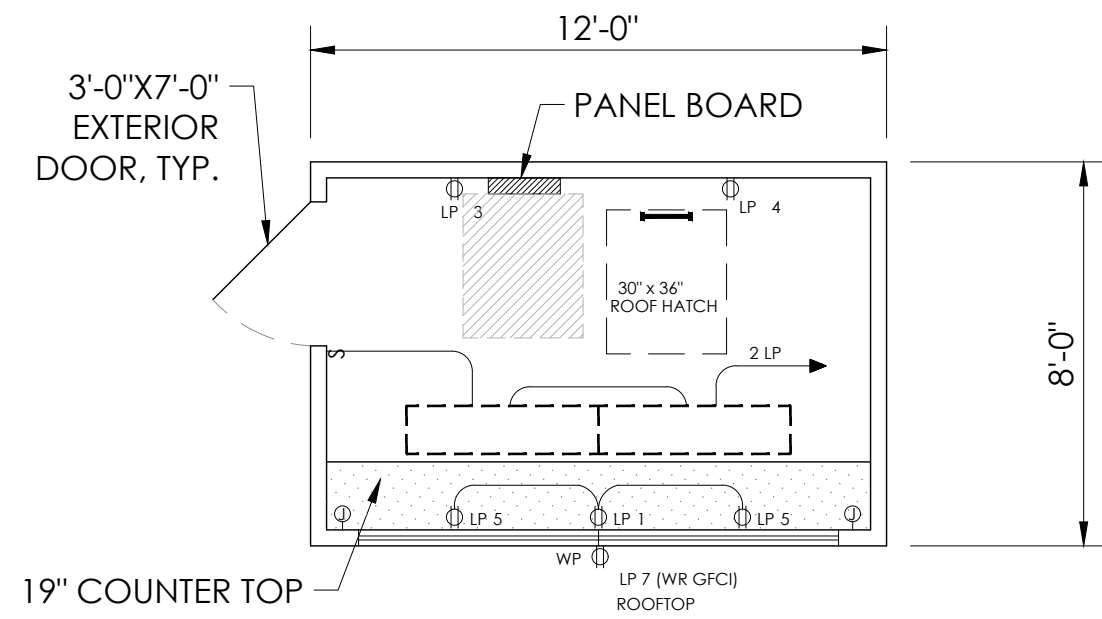
SHEET OF  
**B35** **B47**

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





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



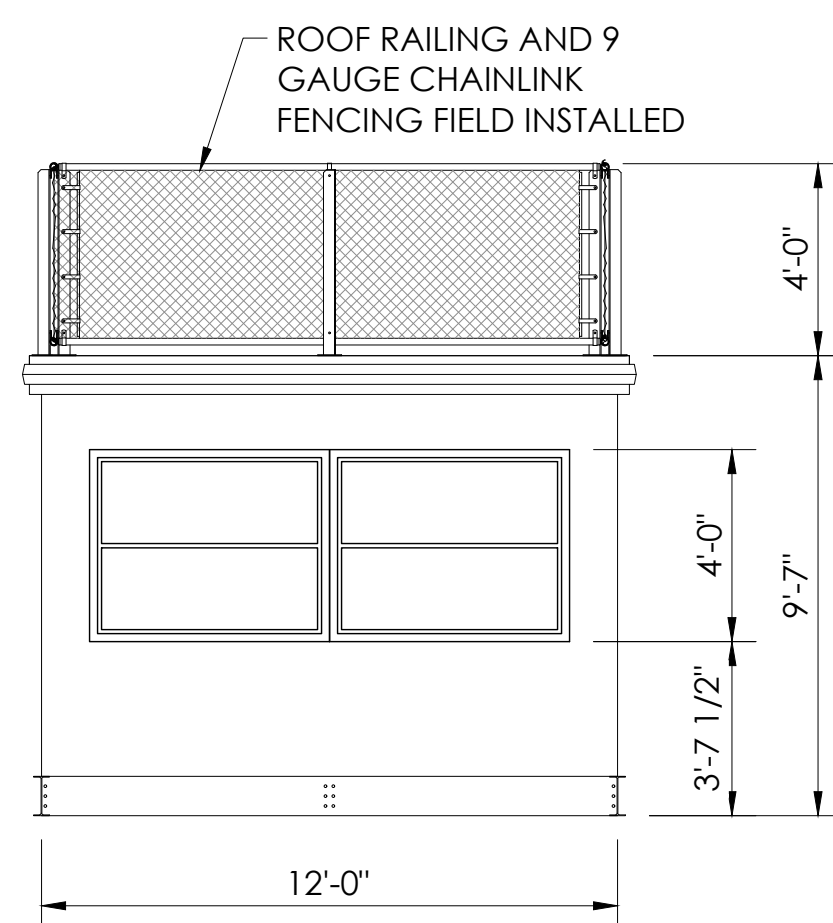
**2 PLAN VIEW**  
 SCALE: 1/4"=1'-0"

PANEL BOARD SCHEDULE

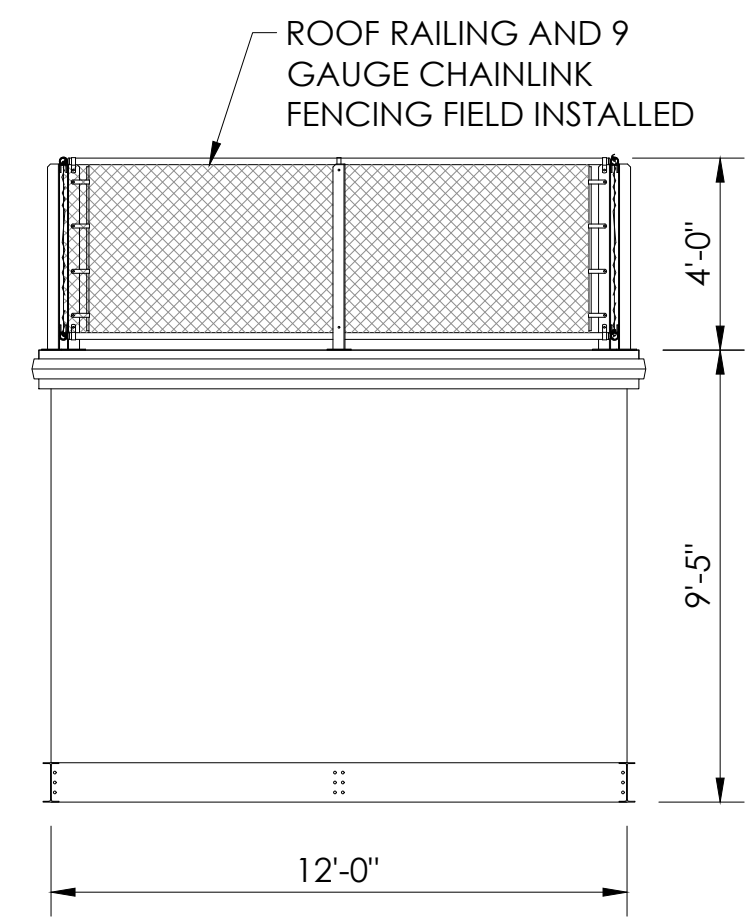
PANEL LP 100 AMP - 16 CIRCUIT W/ EQUIPMENT GROUND 240/120 VOLTS 1 PH.  
 MOUNTING:  FLUSH  SURFACE 10,000 SYN. A.I.C. MIN. 100 AMP MAIN BREAKER

RECP.T.	CIR. #	BUS		CIR. #	BREAKER SIZE	POLE	DESCRIPTION
		A	B				
RECP.T. FRONT WALL	20	1	1	2	20	1	(2) LED FIXTURES
RECP.T. BACK WALL	20	1	3	4	20	1	RECP.T. BACK WALL
(2) RECP.T. FRONT WALL	20	1	5	6	20	1	RECP.T. ROOFTOP
RECP.T. ROOFTOP	20	1	7	8	20	1	SPACE
SPACE			9	10			SPACE
SPACE			11	12			SPACE
SPACE			13	14			SPACE
SPACE			15	16			SPACE

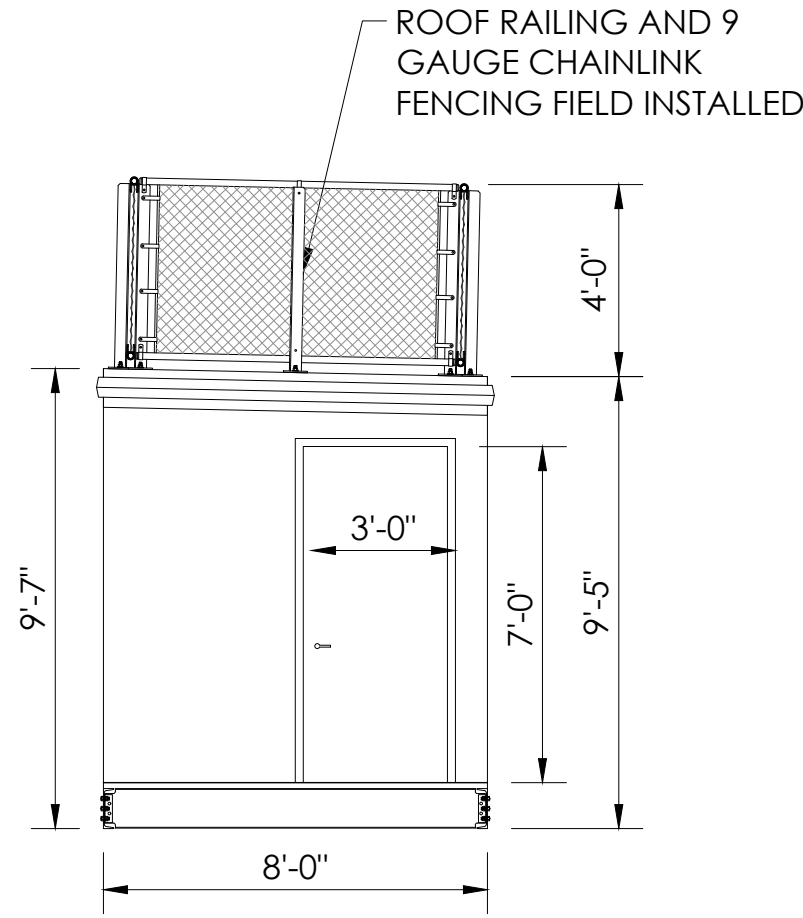
- Ⓜ 15A 125V. DUPLEX RECP.T.
  - Ⓢ 3 15A 125V. SINGLE POLE SWITCH
  - Ⓢ 15A 125V. SINGLE POLE SWITCH
  - Ⓝ 4X4X2 1/8" JUNCTION BOX W/ 3/4" STUBOUT
  - LED FIXTURE: INDY. LOW PROFILE, LAY-IN FIXTURE (S1X4BL-5550U-WH3)
- CONDUIT WILL BE 1/2" EMT, 1/2" STEELFLEX, OR SURFACE RACEWAY UNLESS OTHERWISE NOTED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



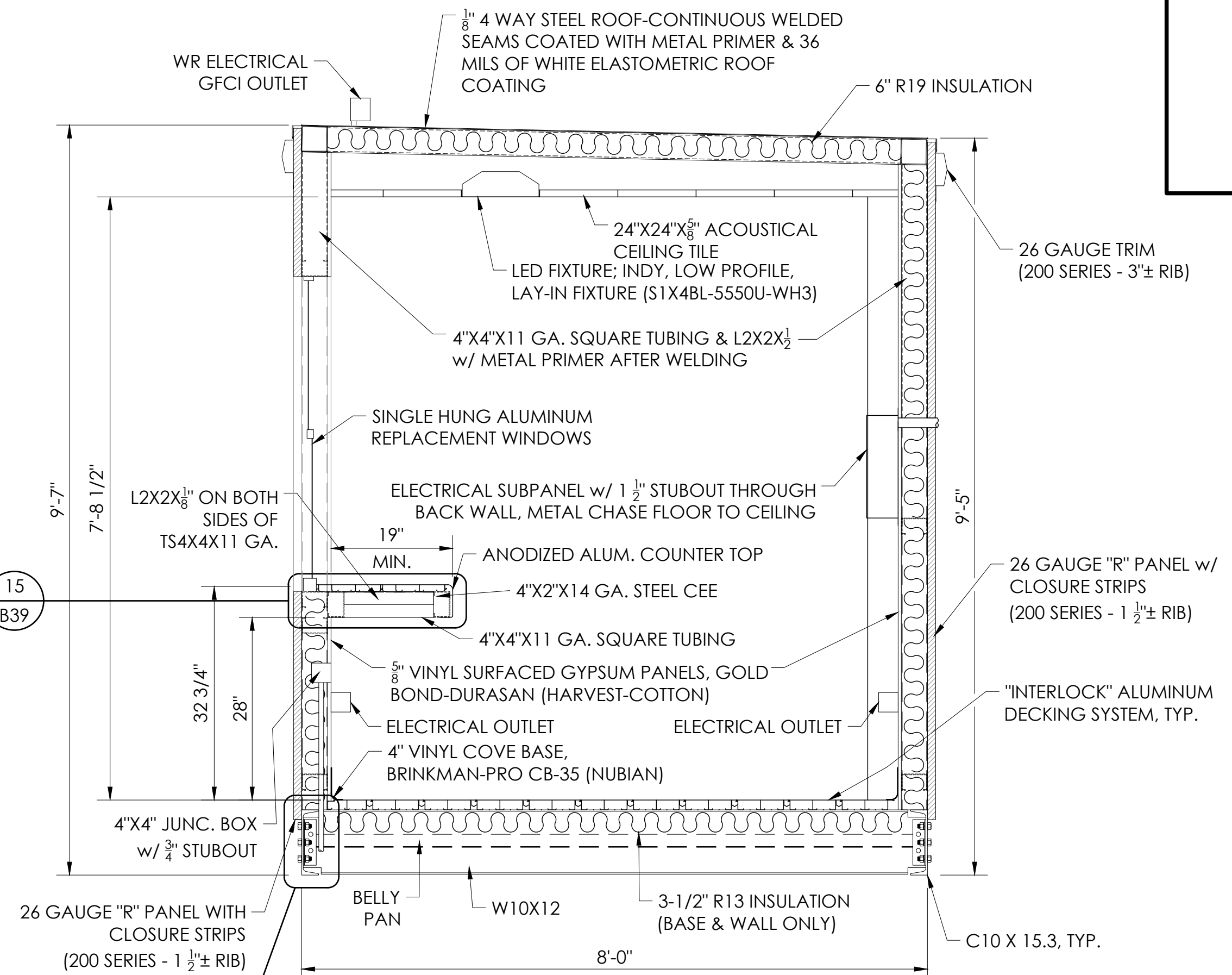
**3 FRONT ELEVATION VIEW**  
 SCALE: 1/4"=1'-0"



**4 REAR ELEVATION VIEW**  
 SCALE: 1/4"=1'-0"

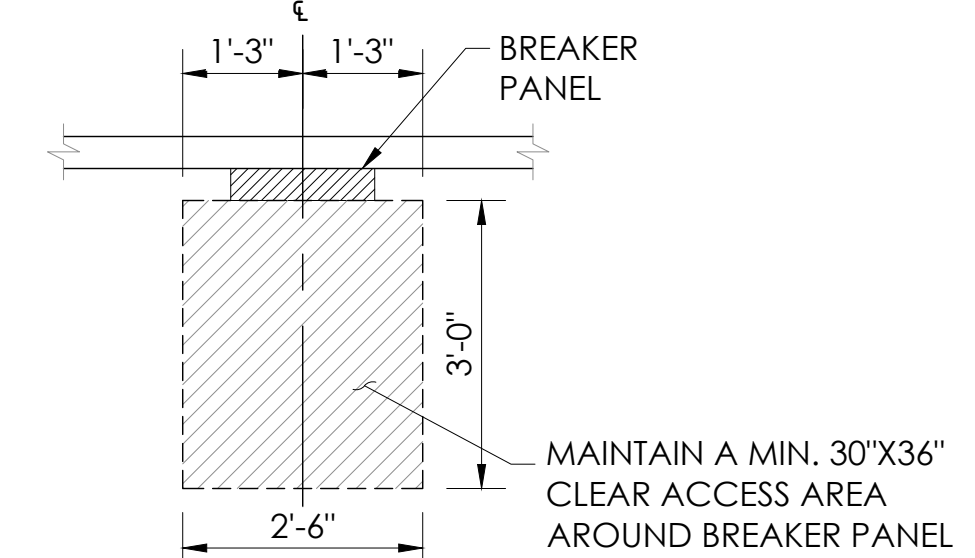


**5 SIDE VIEW**  
 SCALE: 1/4"=1'-0"

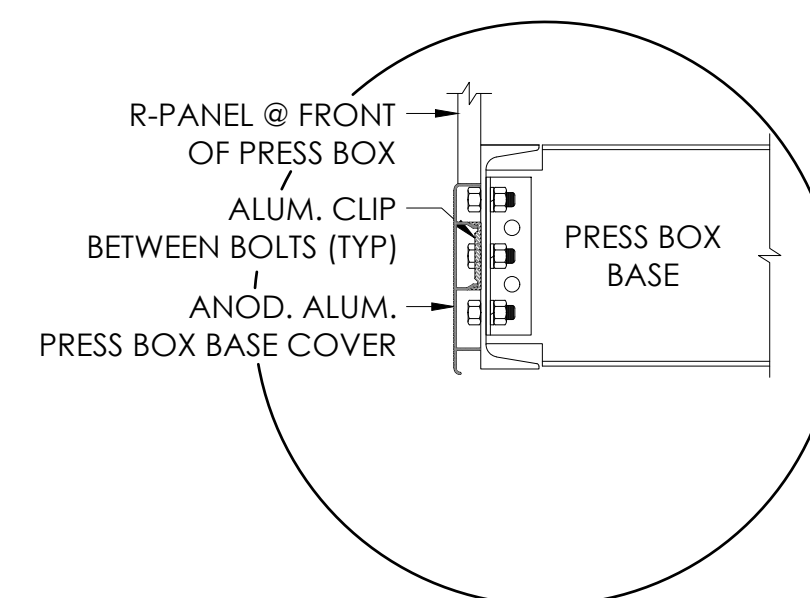


**6 SECTION VIEW**  
 SCALE: 3/4"=1'-0"

- NOTES:**  
 WALL PANELS ARE ATTACHED: #12 TEK SCREWS, 5/8" WASHER HEAD AND SEALER. SCREWS EACH SIDE OF HIGH RIB: 6 TOP, 6 INTERMEDIATE & 6 BOTTOM.  
 LAP SCREWS ARE PLACED AT EACH END OF THE PANELS, AT THE INTERMEDIATE SUPPORT AND AT THE MID POINT BETWEEN SUPPORTS (TEK #14)



**8 BREAKER PANEL ACCESS**  
 NOT TO SCALE



**7 PRESS BOX BASE TRIM DETAIL**  
 NOT TO SCALE

PRESS BOX COLOR SELECTION SCHEDULE

EXTERIOR SHEET METAL COMPONENTS

SIGNATURE 200 STANDARD COLORS FOR PRESS BOX COLOR SELECTION. PLEASE MARK COLOR SELECTIONS FOR EACH MATERIAL ON THIS COLOR SCHEDULE.	MATERIALS			
	EXTERIOR SIDING	ROOF TRIM	WINDOW / DOOR TRIM	EXTERIOR DOORS
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	

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PRESS BOX LAYOUT - VISITOR  
 8'-0" X 12'-0"

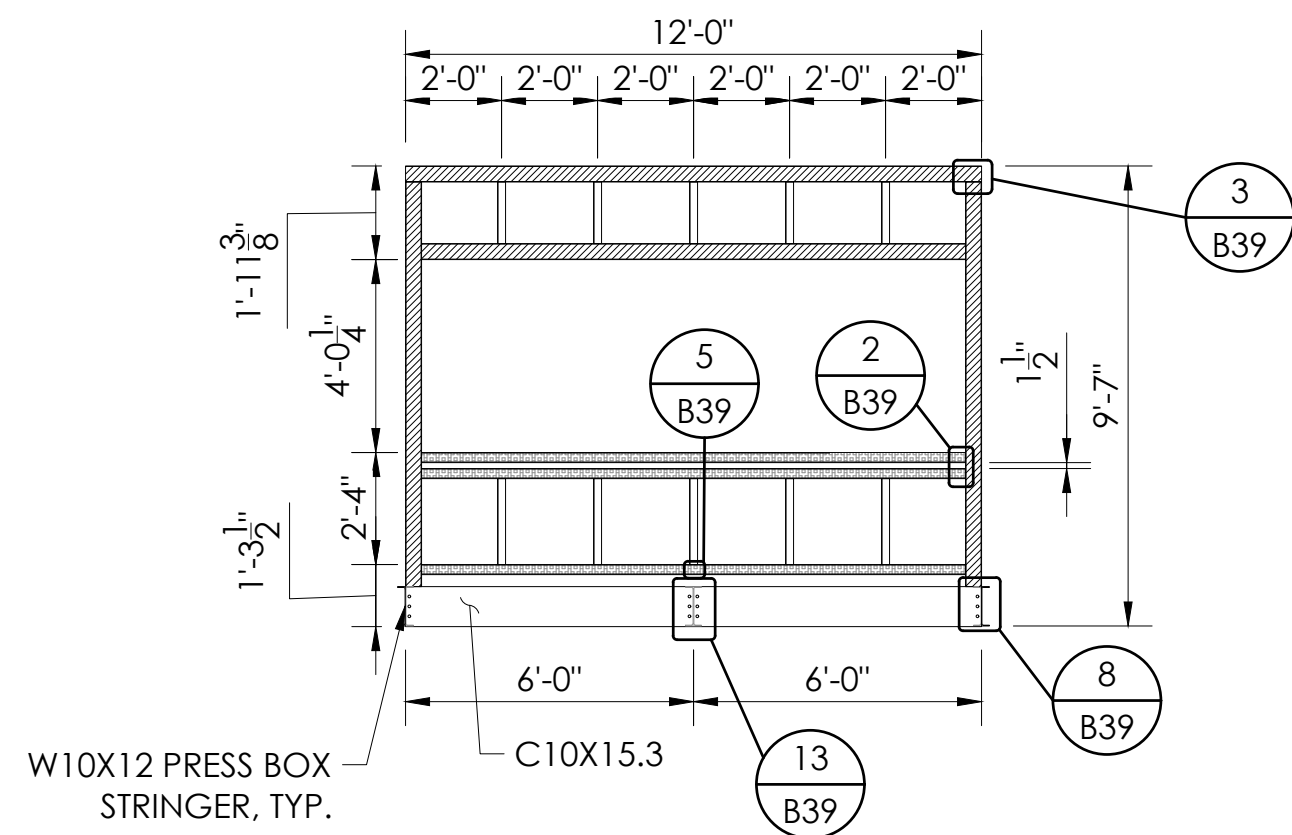
PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

REV.	BY	DATE	DESCRIPTION	DRWN.	CHECKED

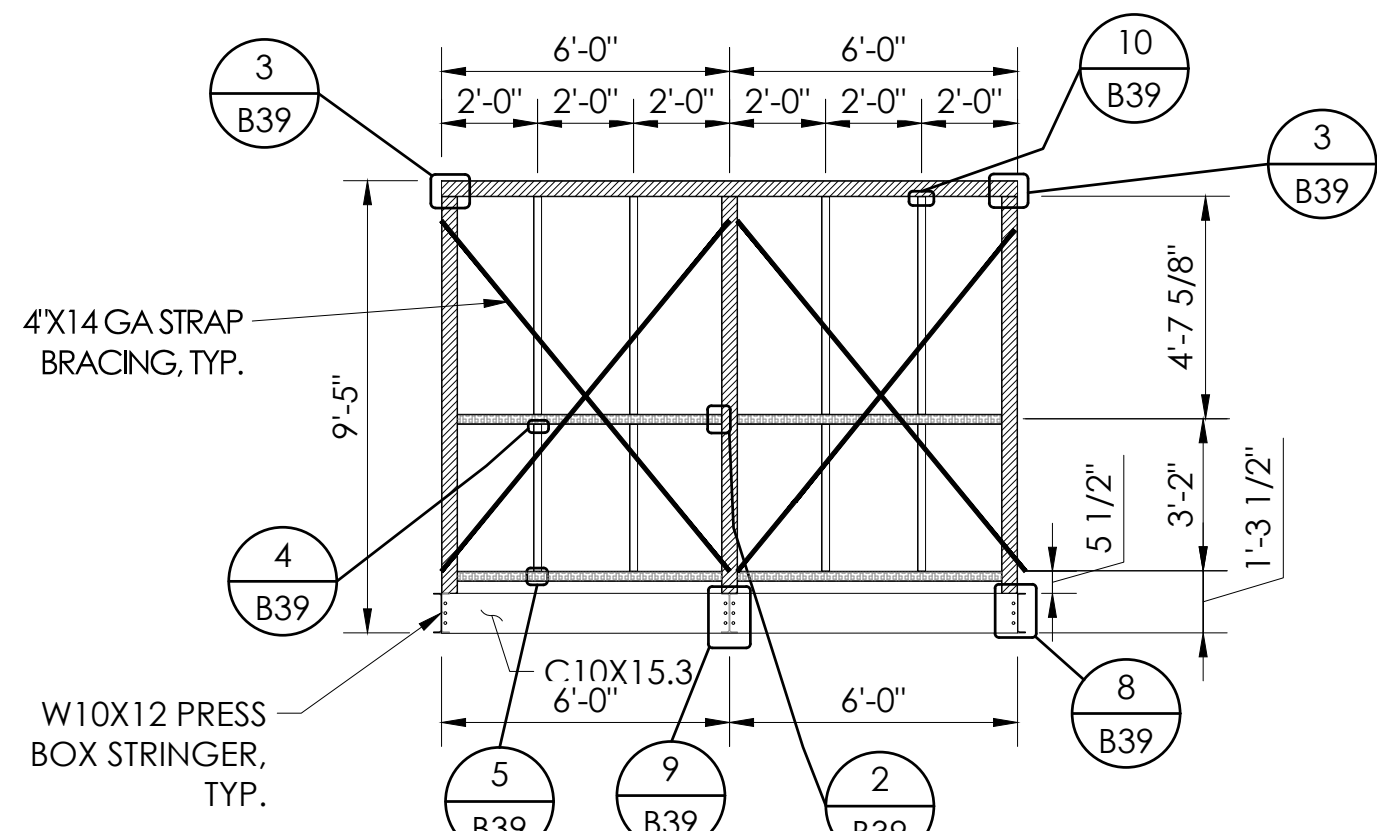
DATE: 05/05/22  
 DRAWN: SMR  
 CHECKED: DMC  
 JOB NUMBER: #21369  
 SHEET: B36 OF B47

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

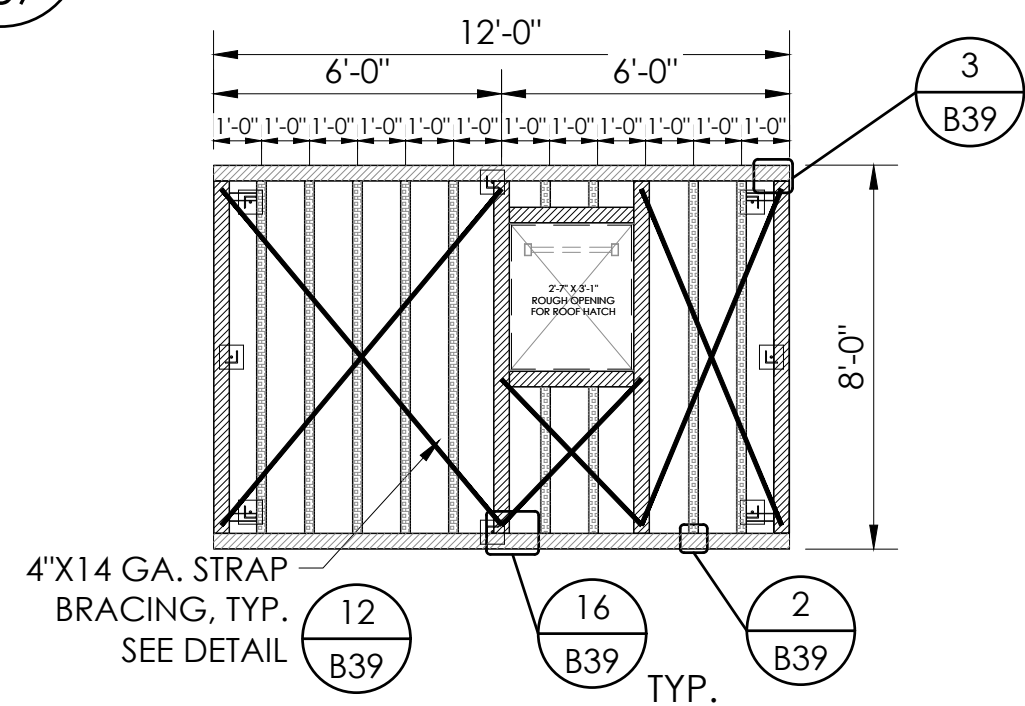




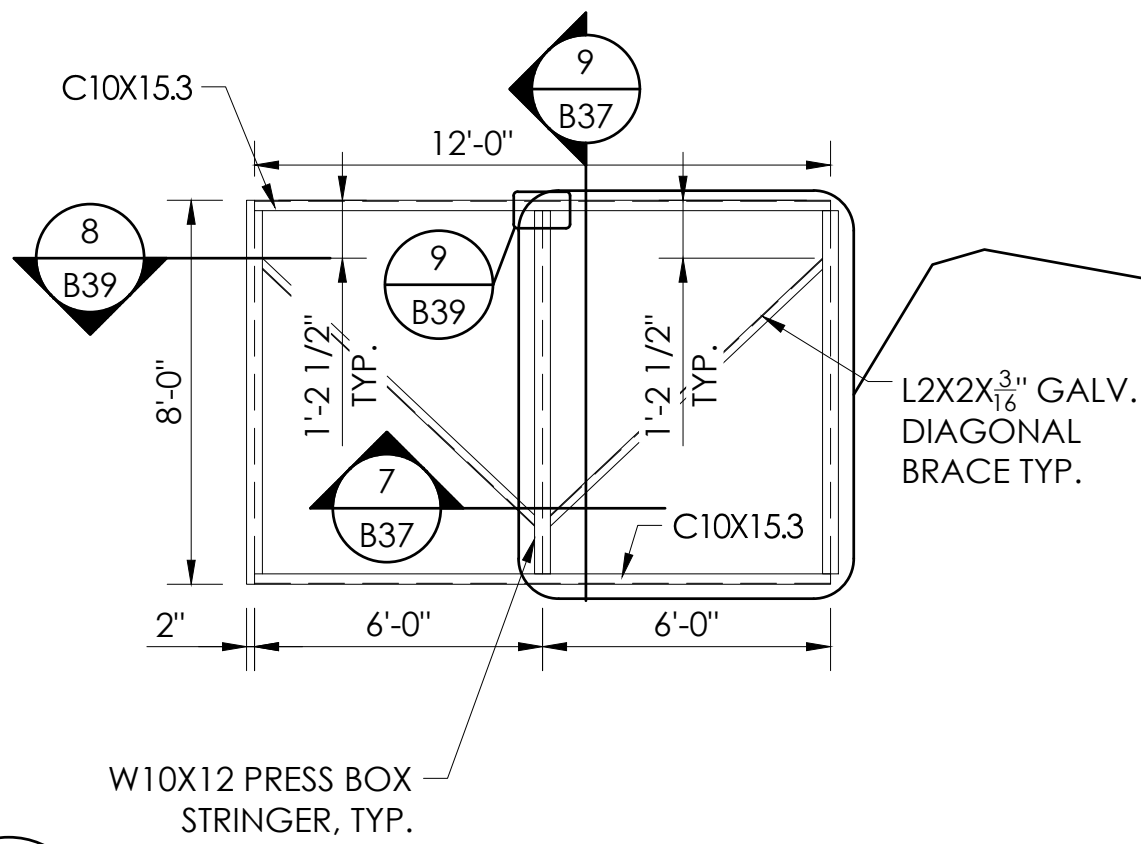
**1 FRONT ELEVATION FRAMING**  
SCALE: 1/4"=1'-0"



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



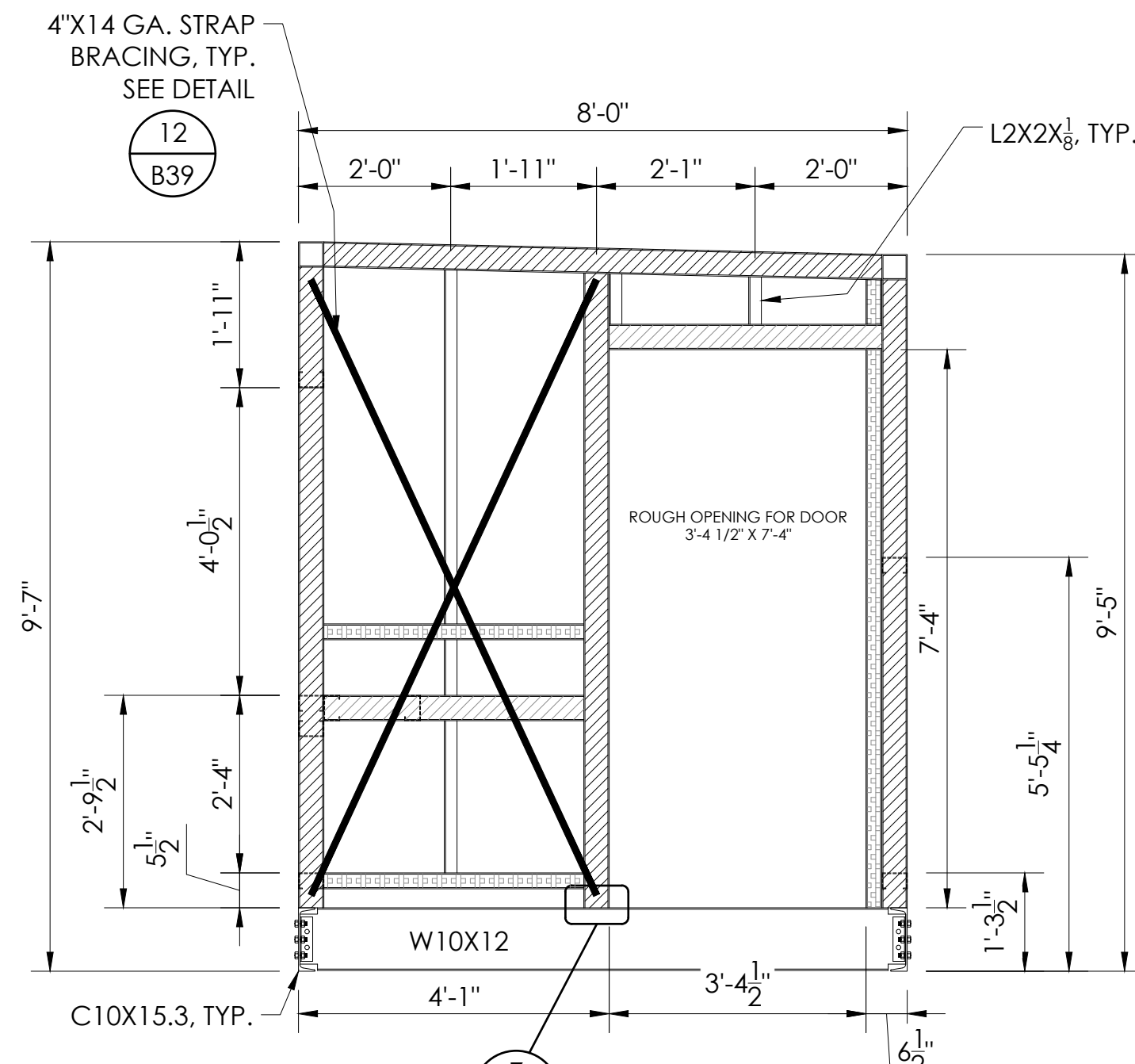
**3 ROOF FRAMING**  
SCALE: 1/4"=1'-0"



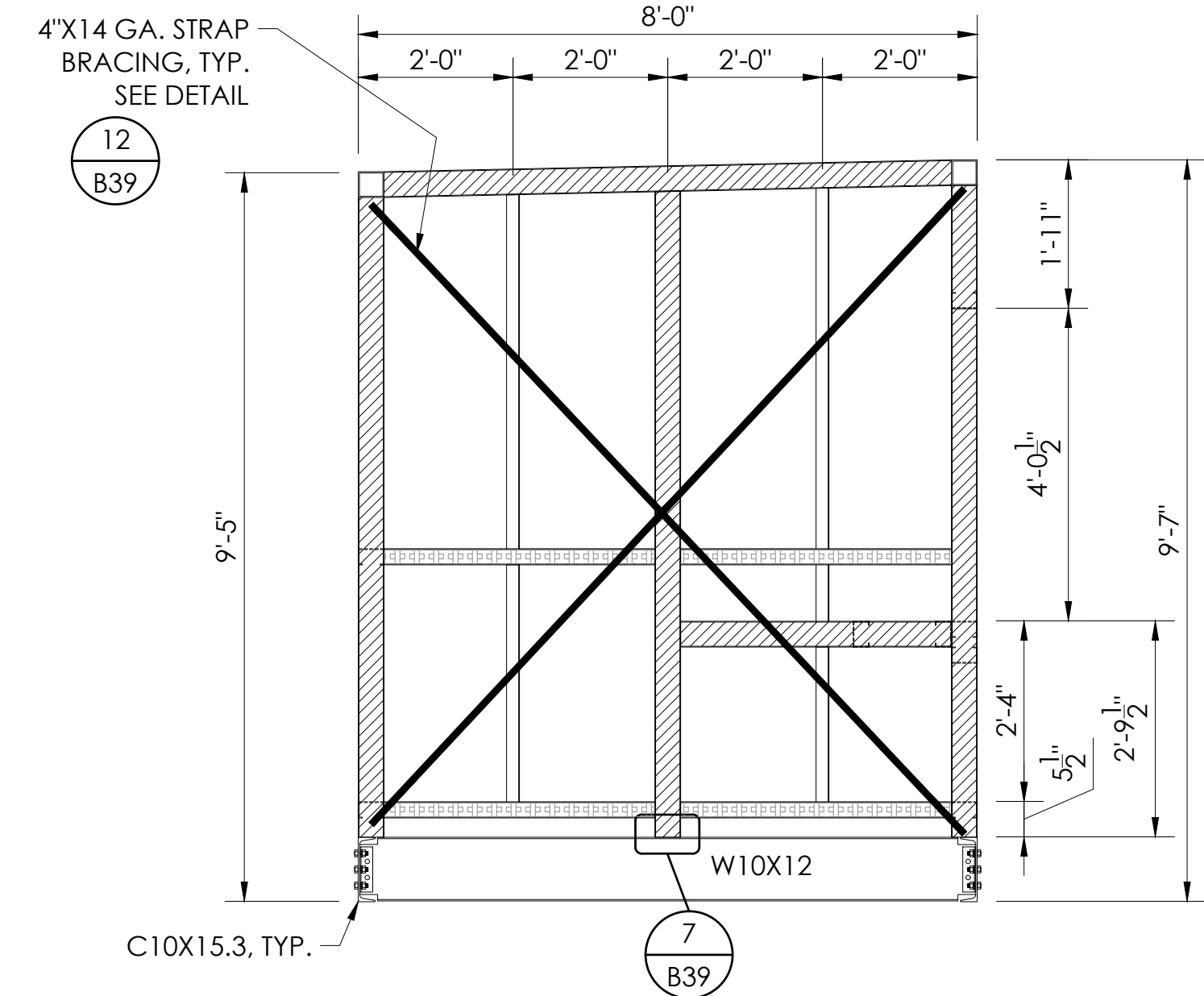
**4 BASE STRUCTURE FRAMING**  
SCALE: 1/4"=1'-0"

STEEL KEY	
	= 4" SQUARE X 11 GA. TUBING TYP.
	= 4X2 1/2X14 GA. CEE
	= 2 X 2 X 1/8" ANGLE
	= 4"X14 GA. STRAP BRACING, TYP. SEE DETAIL

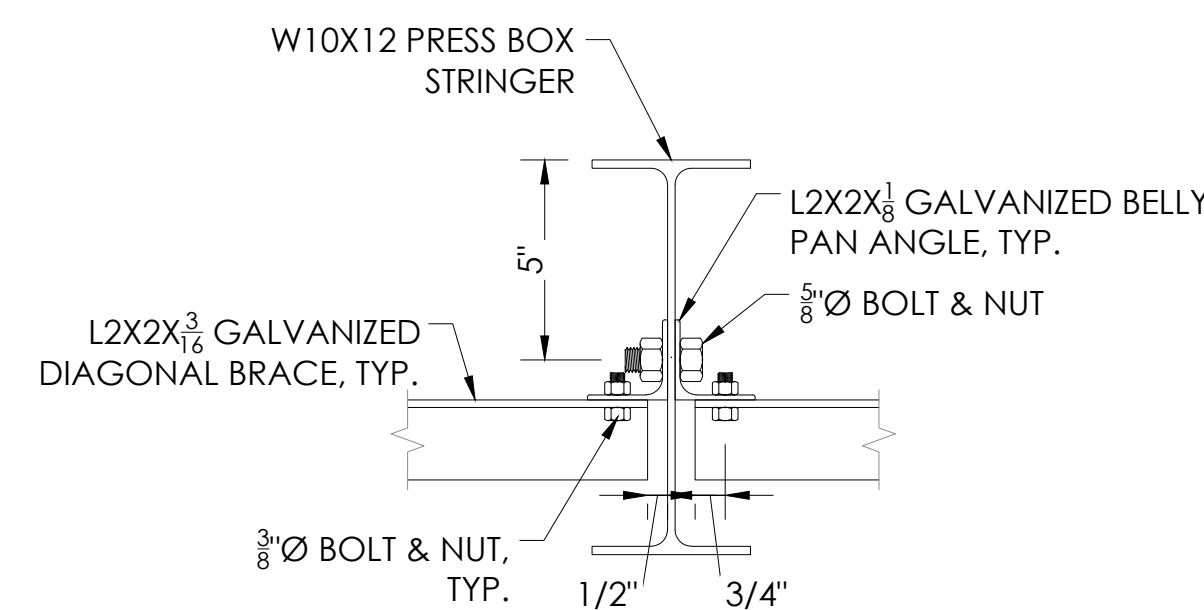
STEEL PROPERTIES			
TUBE	4" SQUARE X 11 GA. TUBE	A500 GRADE A/B	Fy = 39ksi, MIN.
DIAGONAL ANGLE	L2 X 2 X 3/16"	A36 / A572 / A529	Fy = 50ksi, MIN.
BELLY PAN ANGLE	L2 X 2 X 1/8"	A36 / A572 / A529	Fy = 50ksi, MIN.
CEES	4 X 2 1/2 X 14 GA.	A1011 / A653	Fy = 33ksi, MIN.
FLAT STRAP	4" X 14 GA.	A1011 / A653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



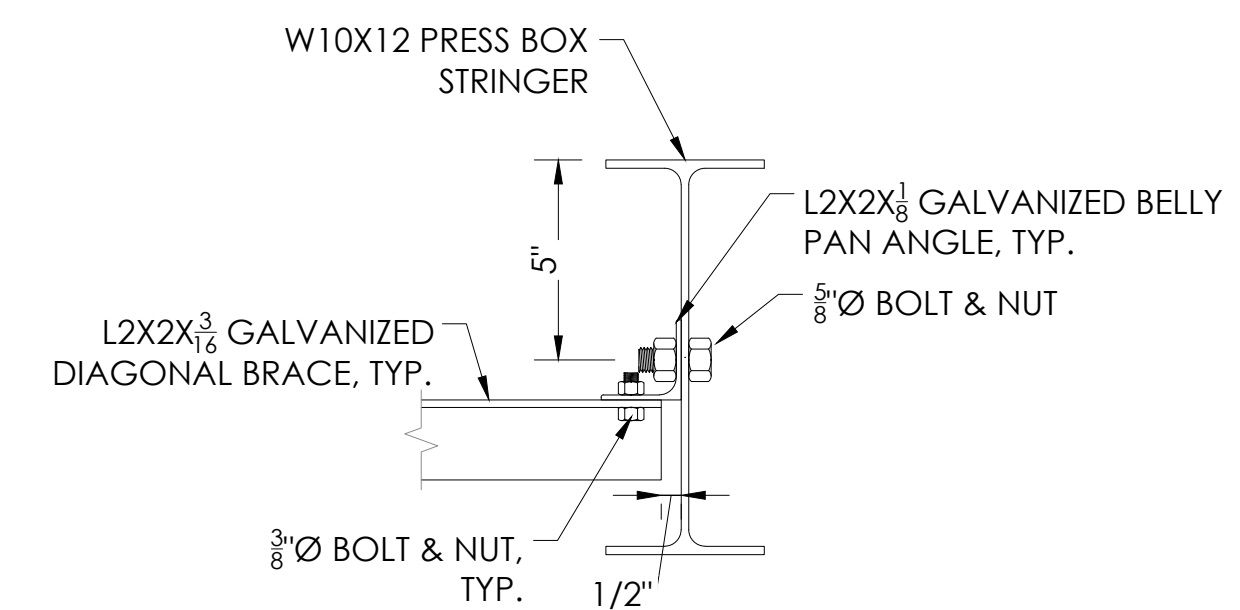
**5 RIGHT SIDE STRUCTURAL LAYOUT**  
SCALE: 1/2"=1'-0"



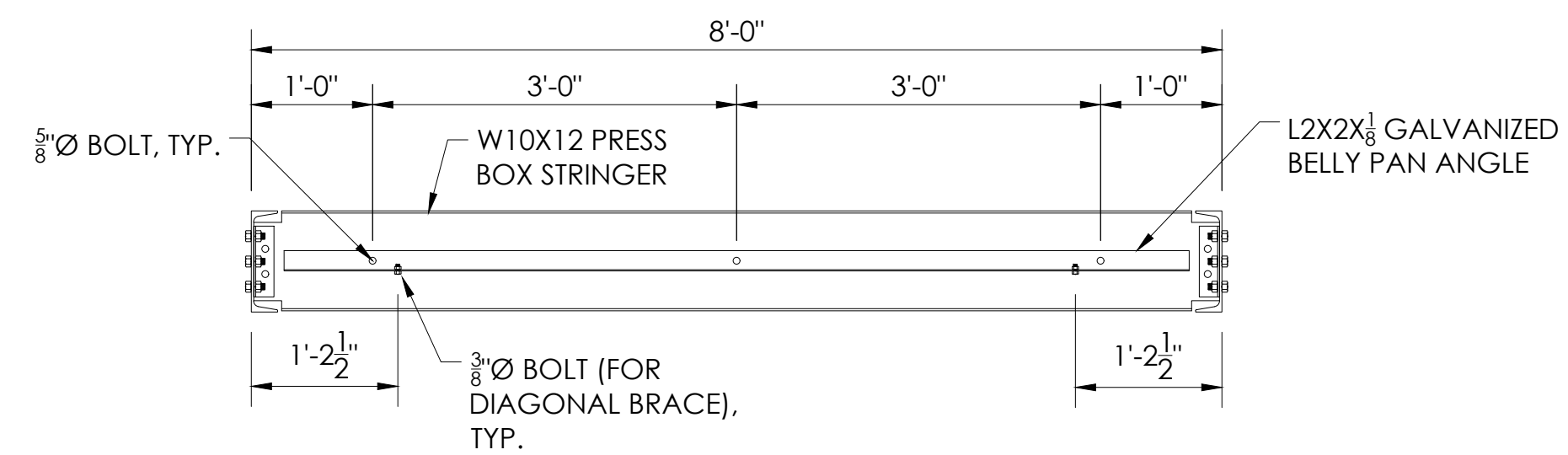
**6 LEFT SIDE STRUCTURAL LAYOUT**  
SCALE: 1/2"=1'-0"



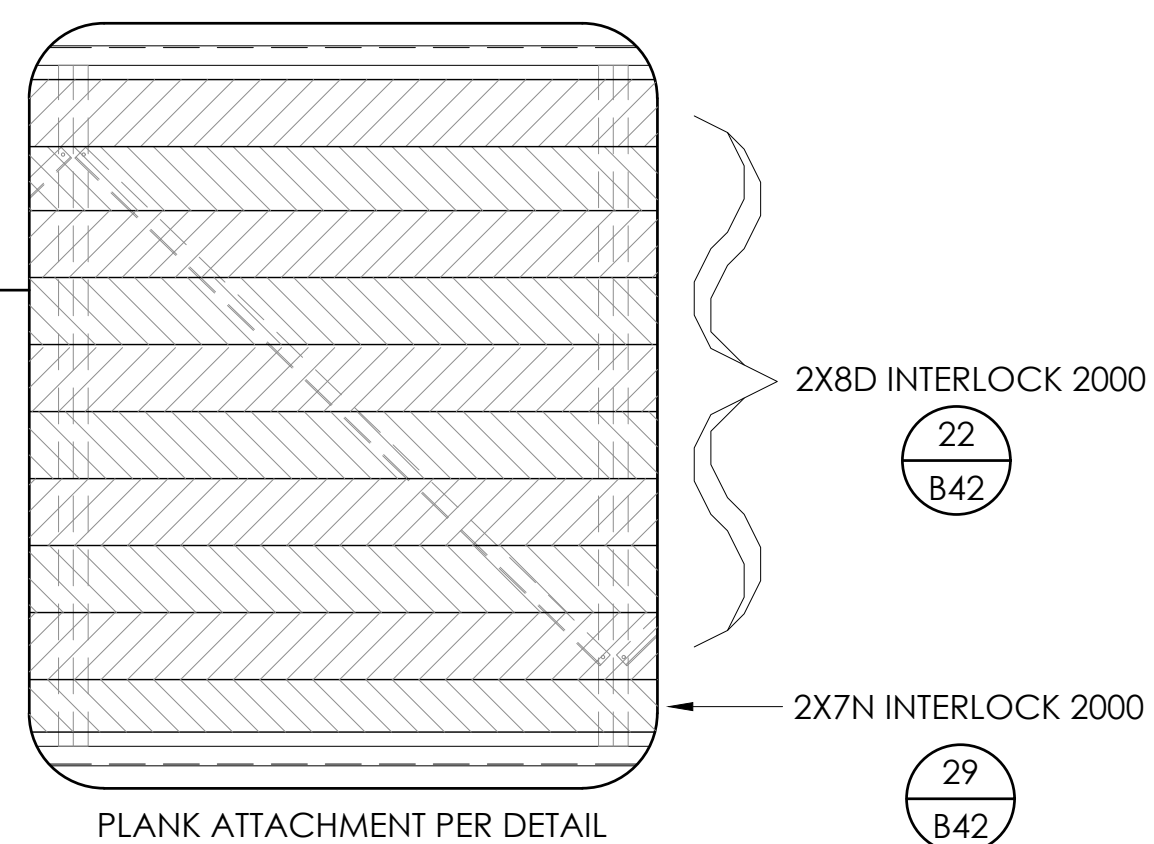
**7 BELLY PAN ATTACHMENT**  
NOT TO SCALE



**8 BELLY PAN ATTACHMENT**  
NOT TO SCALE



**9 BELLY PAN ANGLE ATTACHMENT**  
NOT TO SCALE



PLANK ATTACHMENT PER DETAIL  
NO PLANK SPLICES REQUIRED

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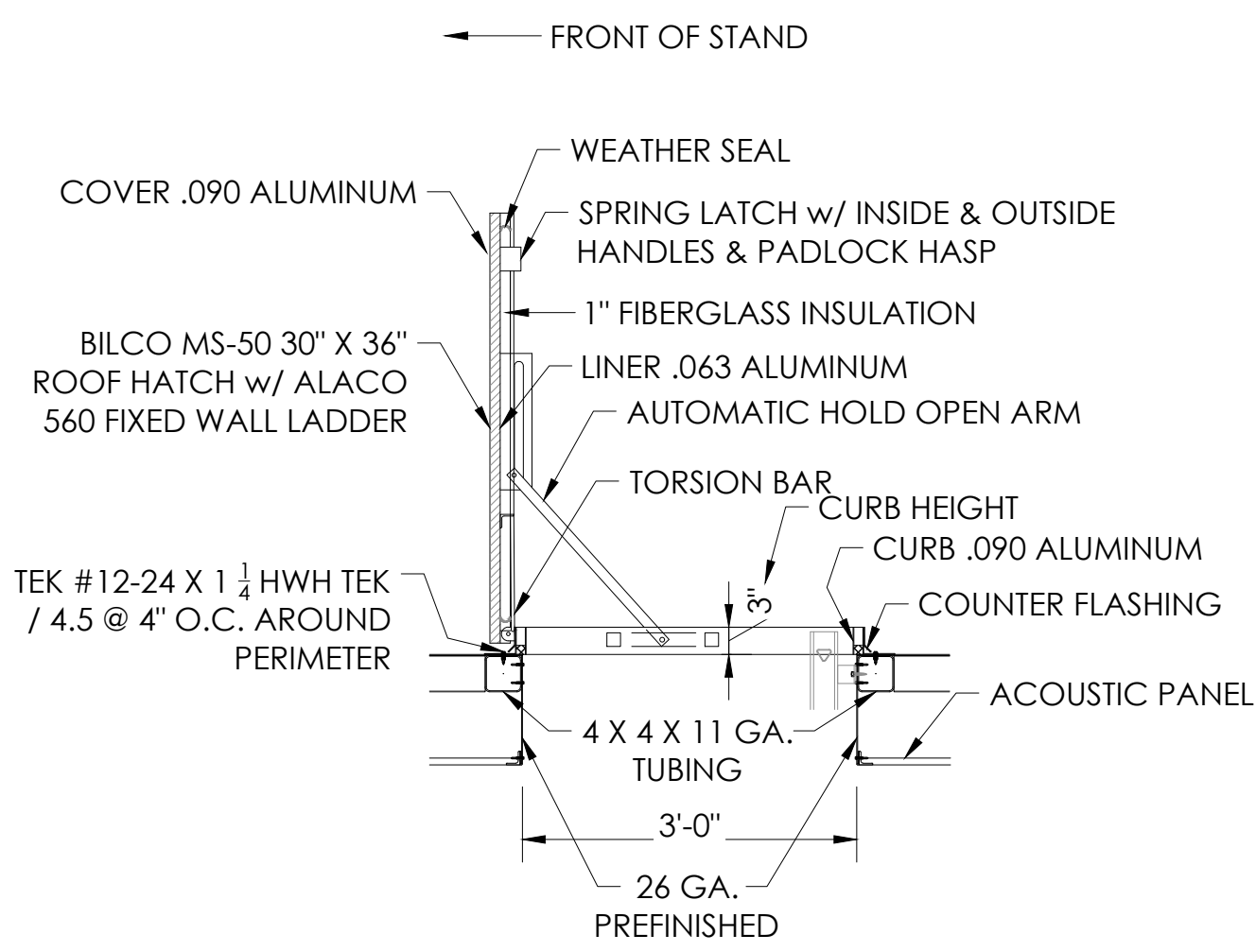
PRESS BOX FRAMING PLAN - VISITOR  
8'-0" X 12'-0"

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

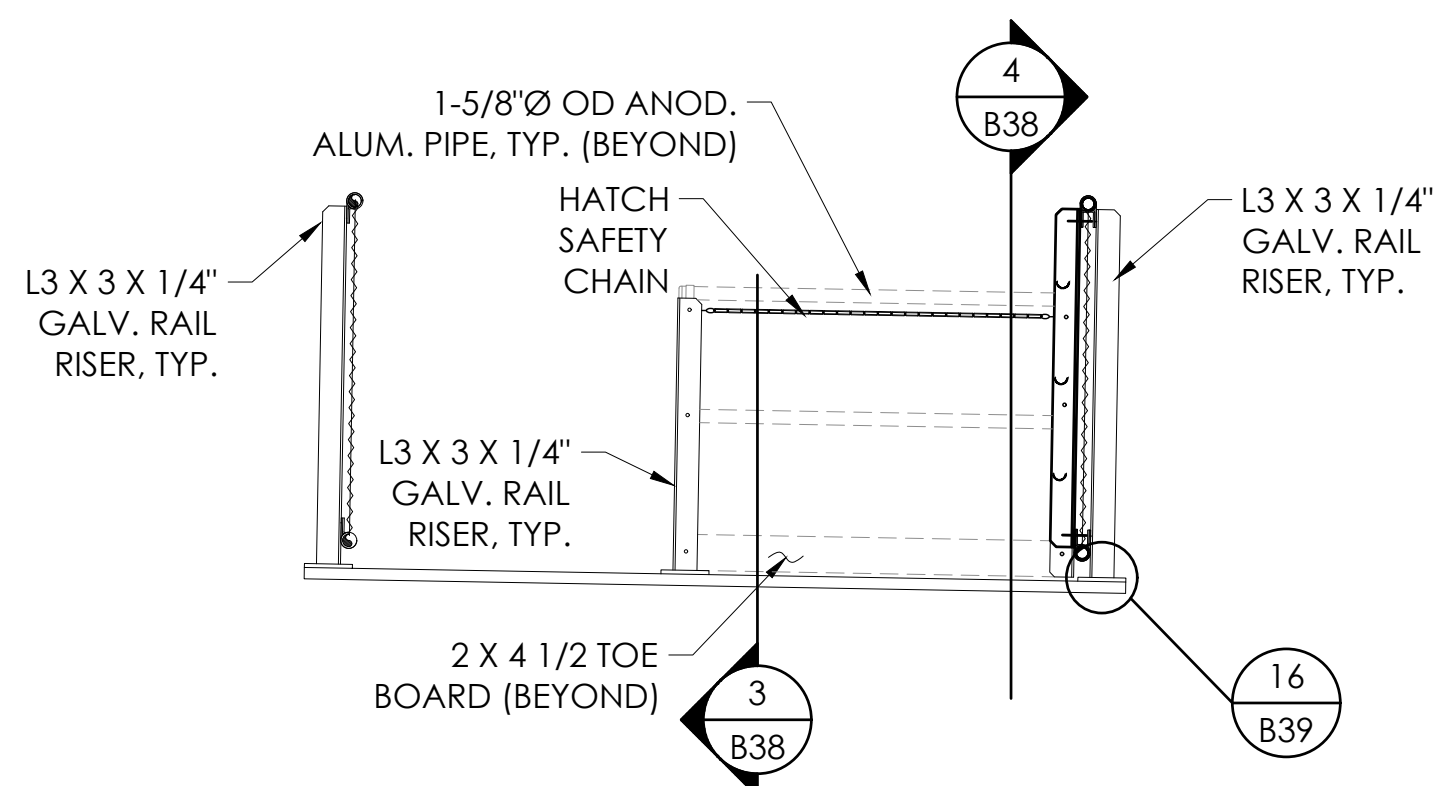
REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
DRAWN: SMR  
CHECKED: DMC  
JOB NUMBER: #21369  
SHEET: B37 OF B47

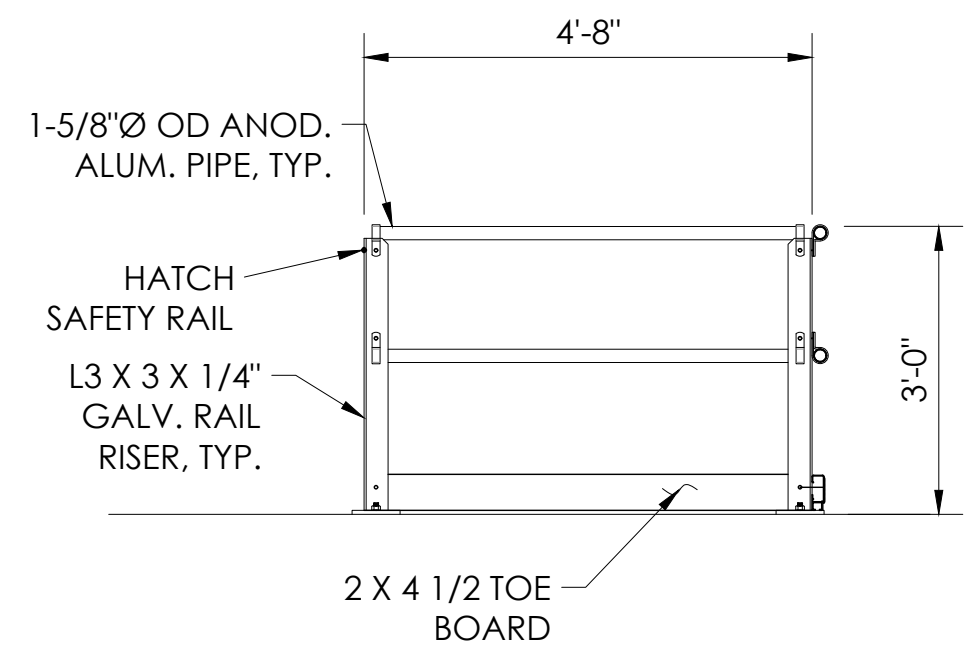
22" X 34" (11 X 17)  
= 1/2" indicated scale



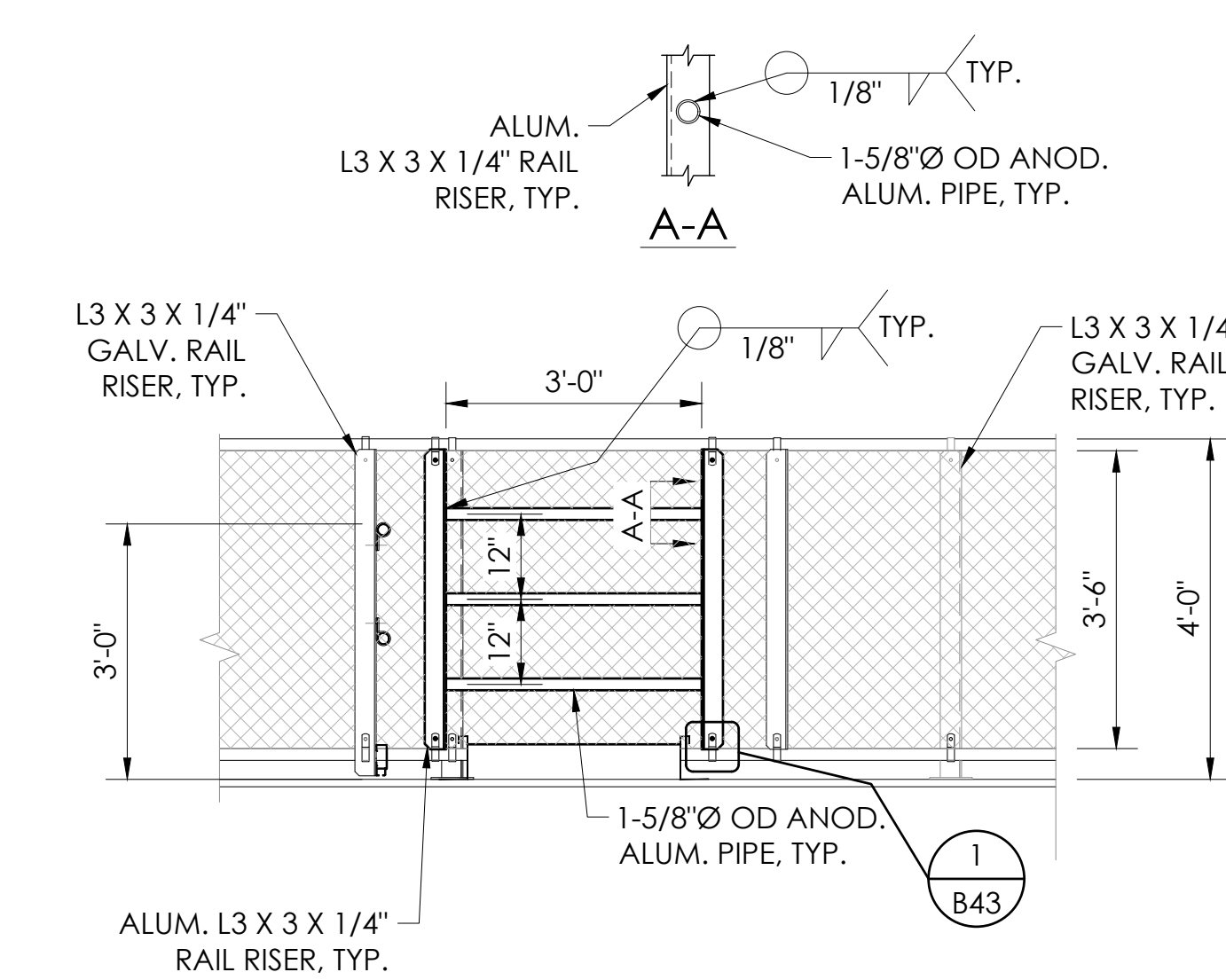
1 ROOF HATCH DETAIL  
B38 NOT TO SCALE



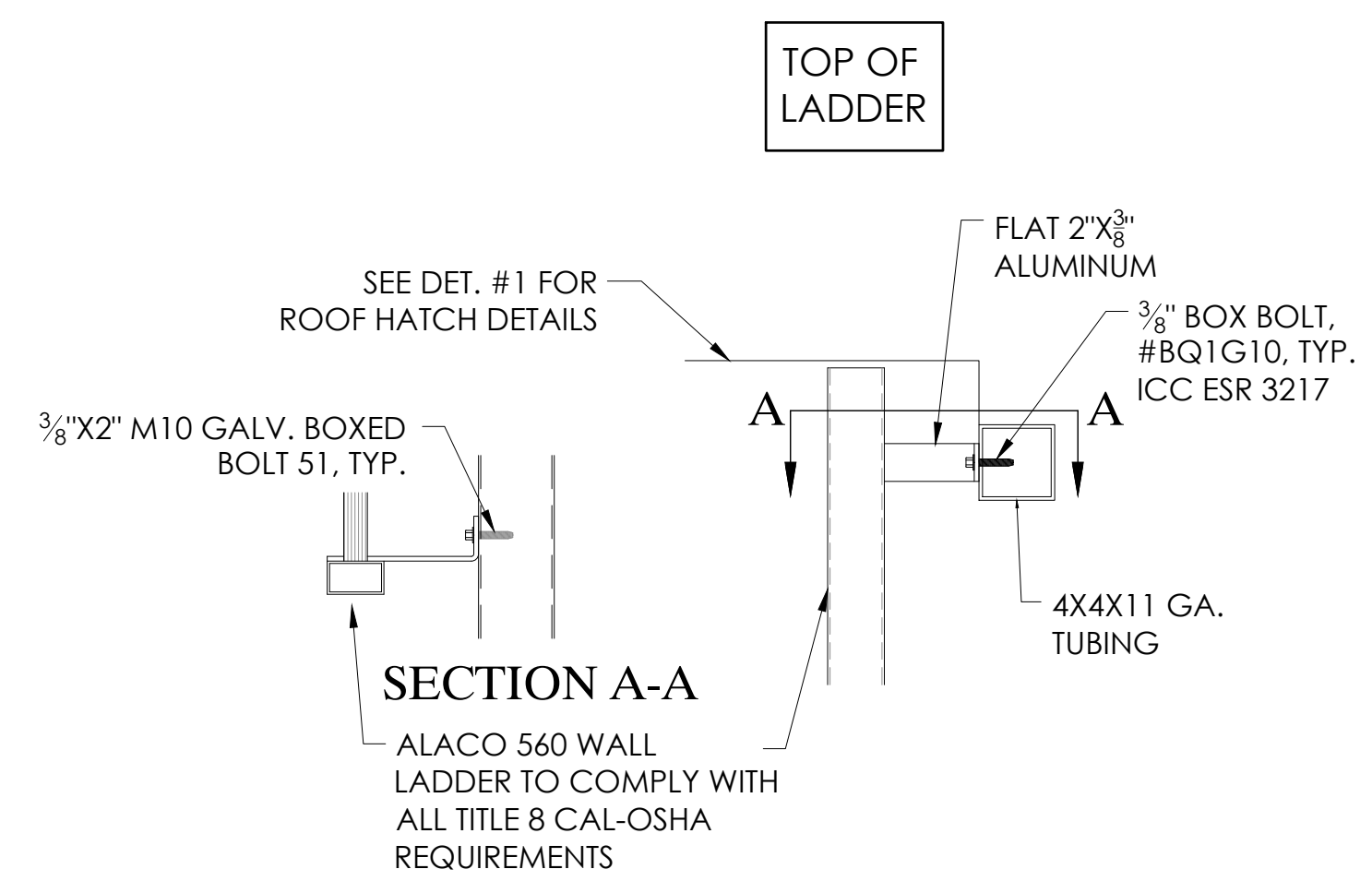
2 HATCH SAFETY CHAIN & RAIL DETAIL  
B38 NOT TO SCALE



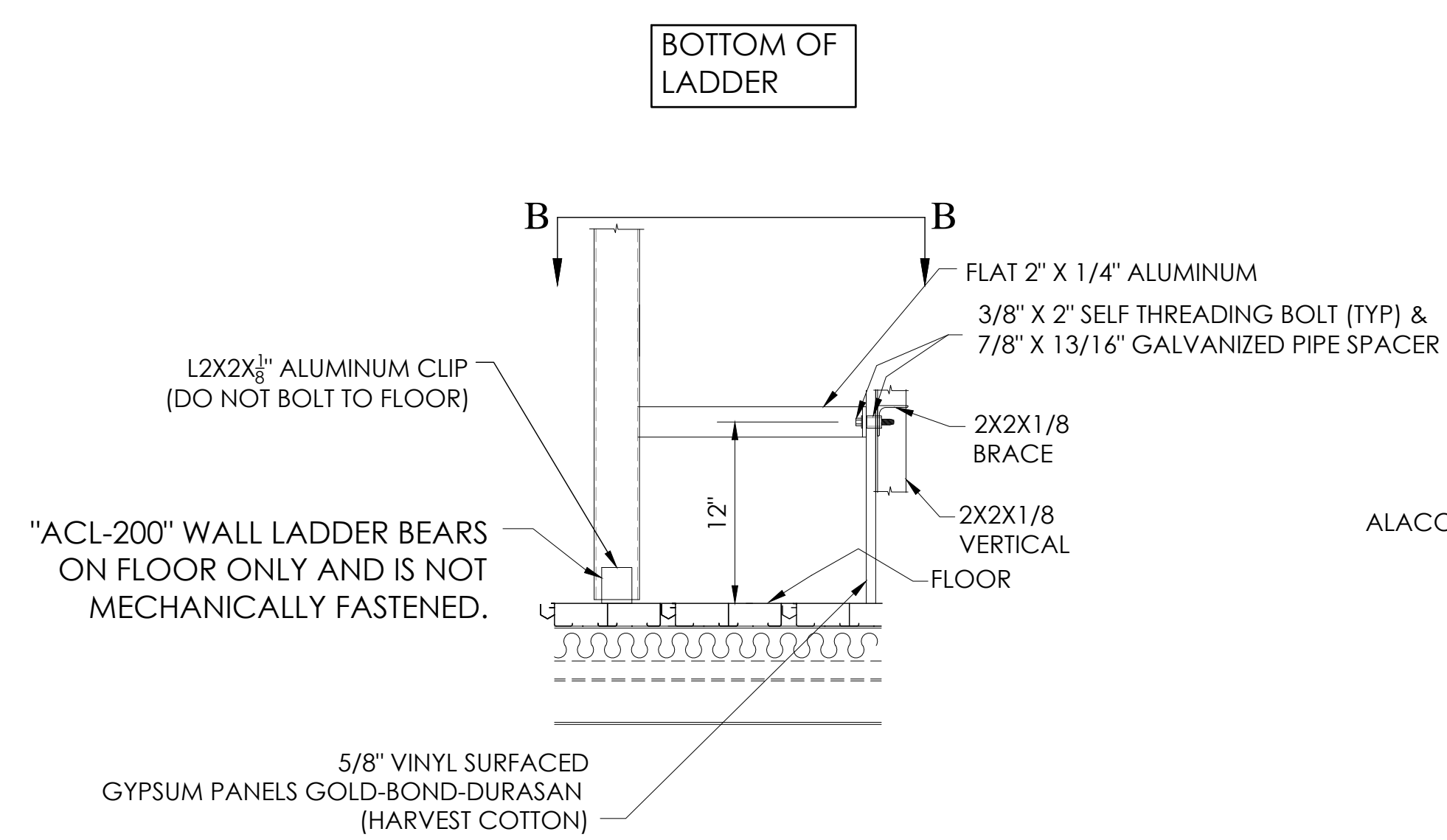
3 SAFETY RAIL DETAIL  
B38 NOT TO SCALE



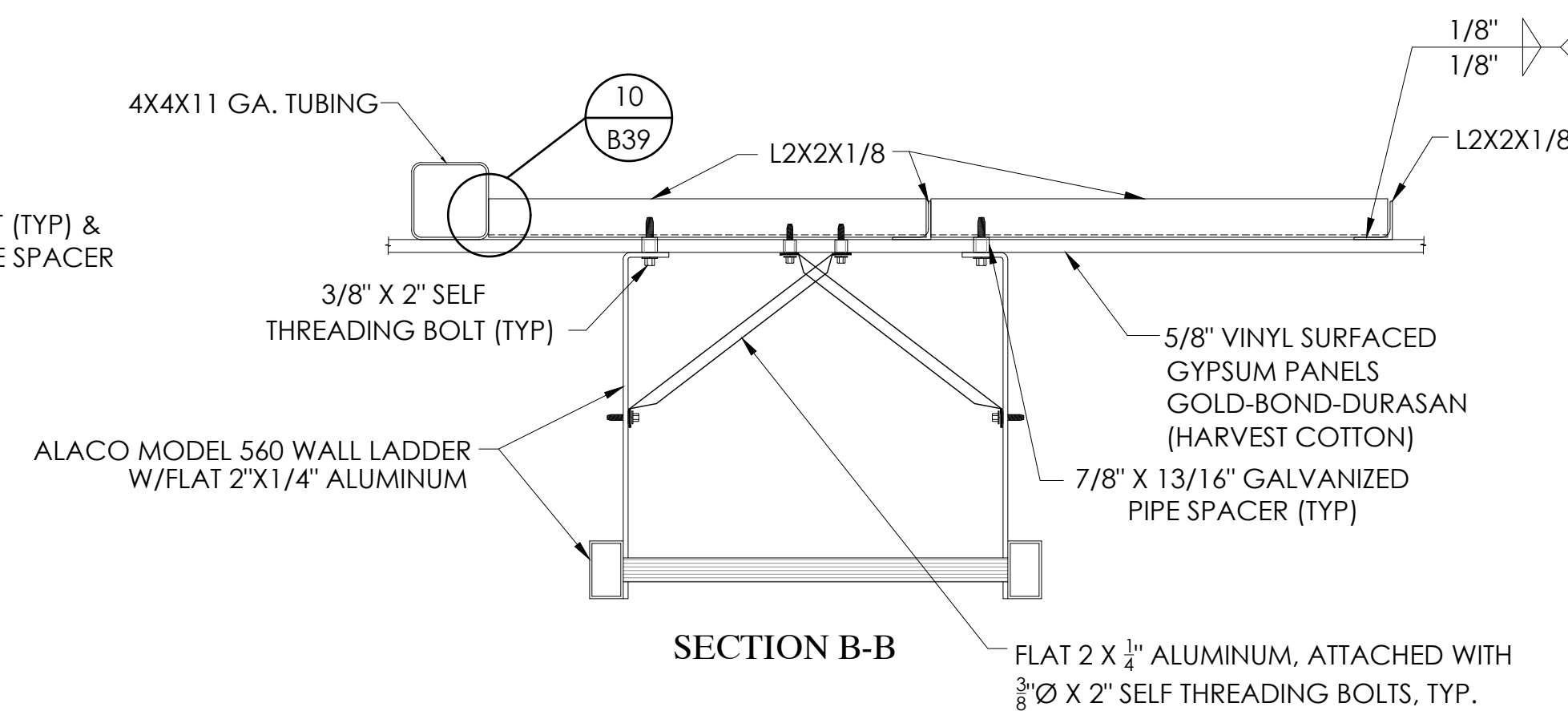
4 FALL RESTRAINT / ROOF HATCH ASSIST  
B38 NOT TO SCALE



ENLARGED SIDE VIEW (AT TOP)



SIDE VIEW (AT BOTTOM)



TOP VIEW (AT BOTTOM)

5 LADDER CONNECTION DETAIL  
B38 NOT TO SCALE

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VISITOR PRESS BOX ROOF HATCH DETAILS - VISITOR  
8'-0" X 12'-0"

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PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

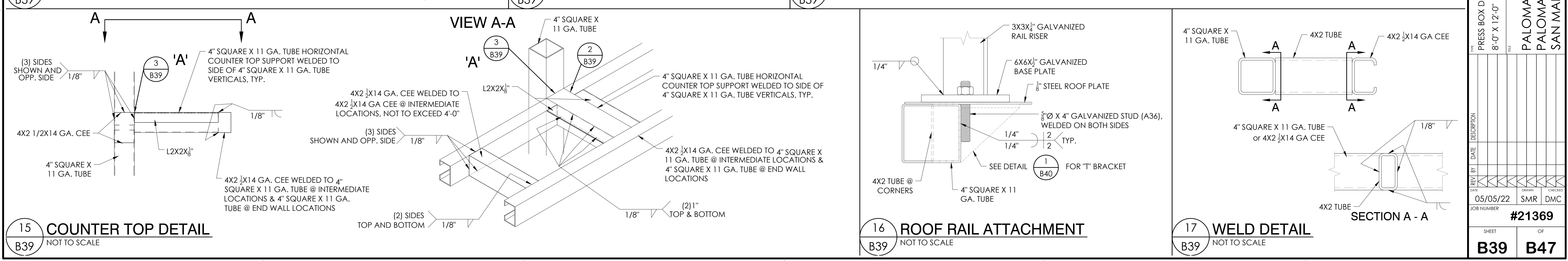
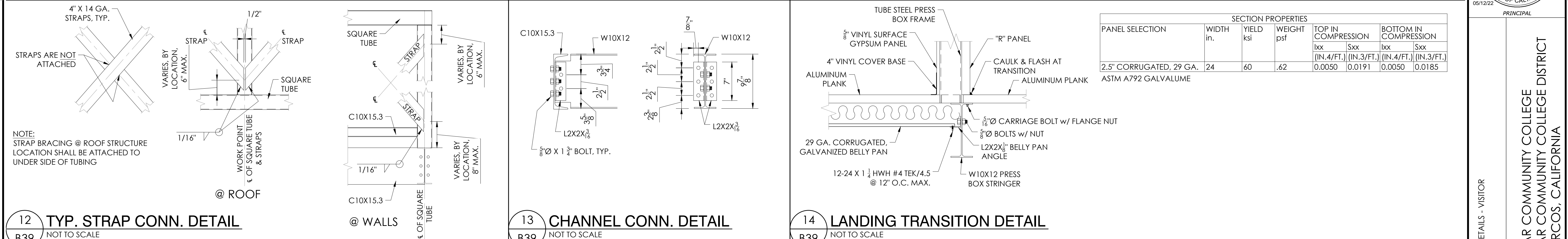
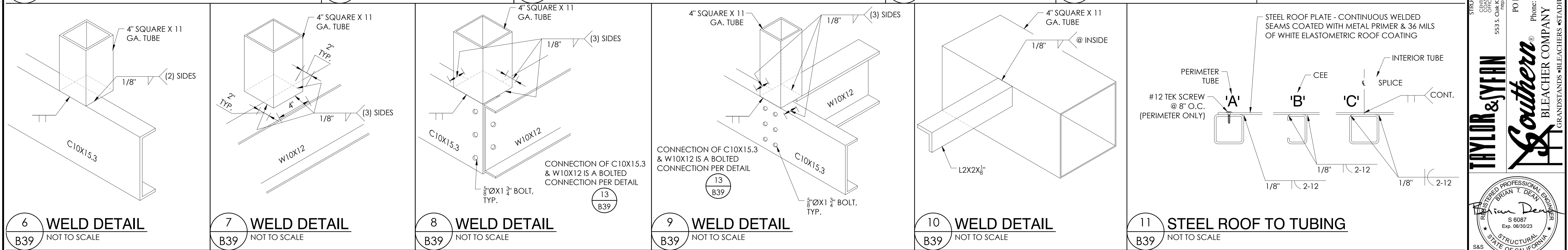
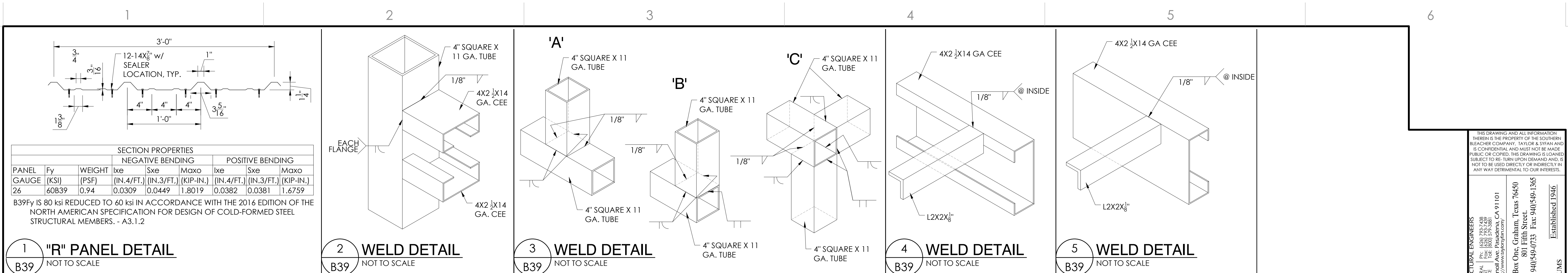
REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
DRAWN: SMR  
CHECKED: DMC

JOB NUMBER: #21369

SHEET: B38 OF: B47

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



**SECTION PROPERTIES**

PANEL	Fy	WEIGHT	NEGATIVE BENDING			POSITIVE BENDING		
			Ixe	Sxe	Maxo	Ixe	Sxe	Maxo
GAUGE (KSI)	(PSF)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	(IN.4/FT.)	(IN.3/FT.)	(KIP-IN.)	
26	60B39	0.94	0.0309	0.0449	1.8019	0.0382	0.0381	1.6759

B39Fy IS 80 ksi REDUCED TO 60 ksi IN ACCORDANCE WITH THE 2016 EDITION OF THE NORTH AMERICAN SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS. - A3.1.2

**SECTION PROPERTIES**

PANEL SELECTION	WIDTH in.	YIELD ksi	WEIGHT psf	TOP IN COMPRESSION		BOTTOM IN COMPRESSION	
				lxx	Sxx	lxx	Sxx
2.5" CORRUGATED, 29 GA.	24	60	.62	(IN.4/FT.)	(IN.3/FT.)	(IN.4/FT.)	(IN.3/FT.)
ASTM A792 GALVALUME				0.0050	0.0191	0.0050	0.0185

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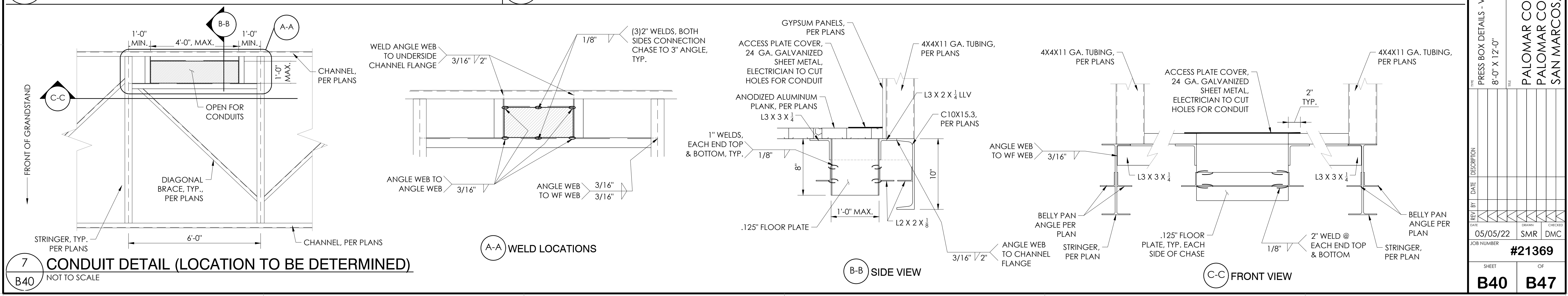
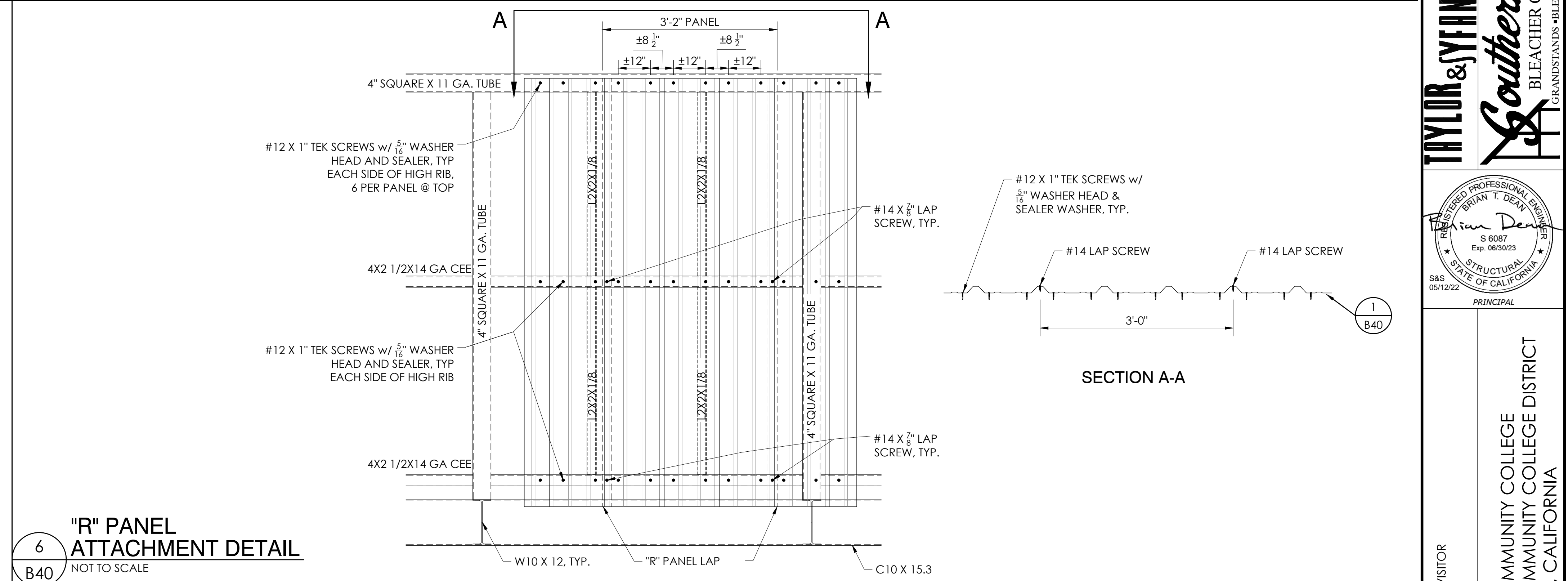
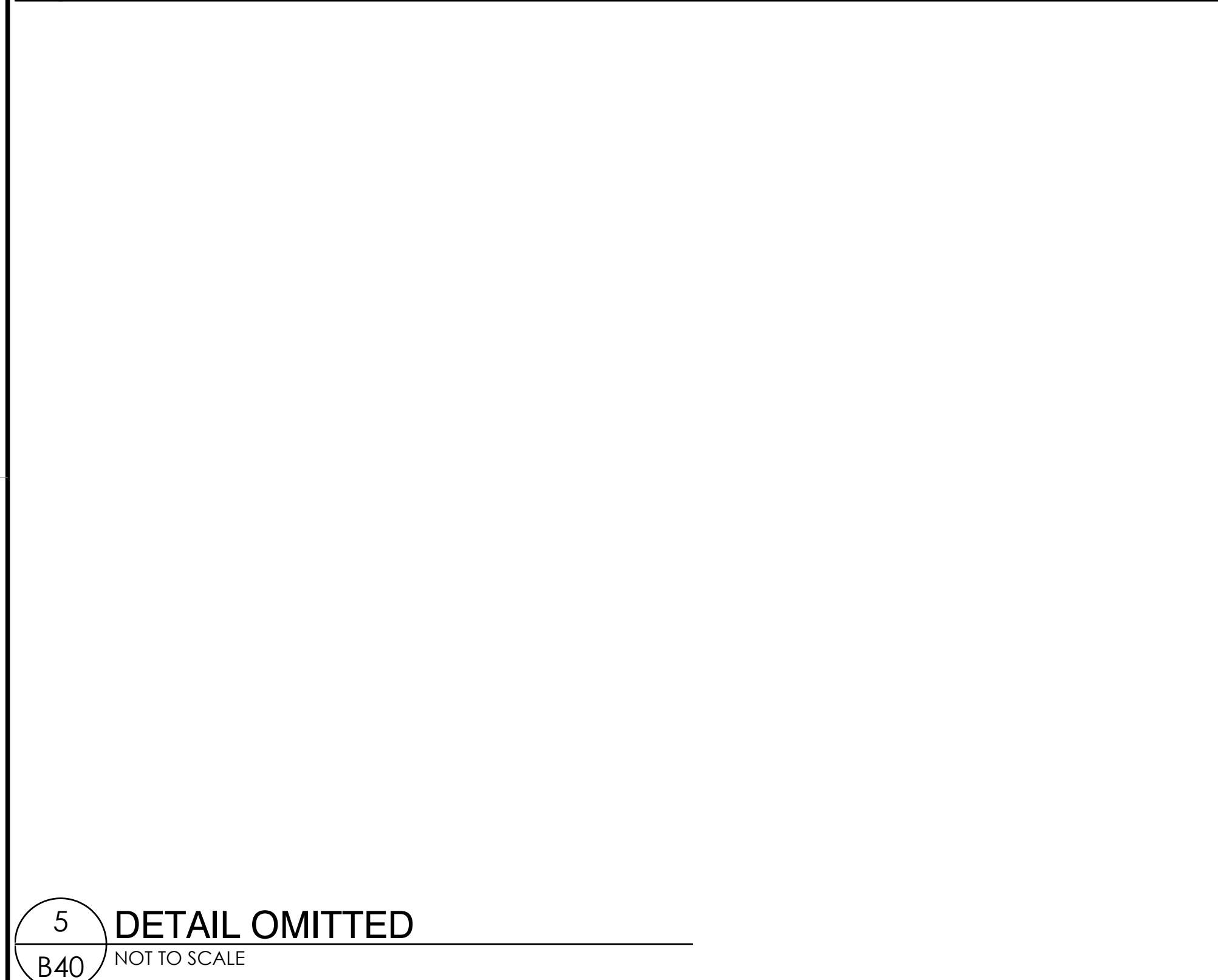
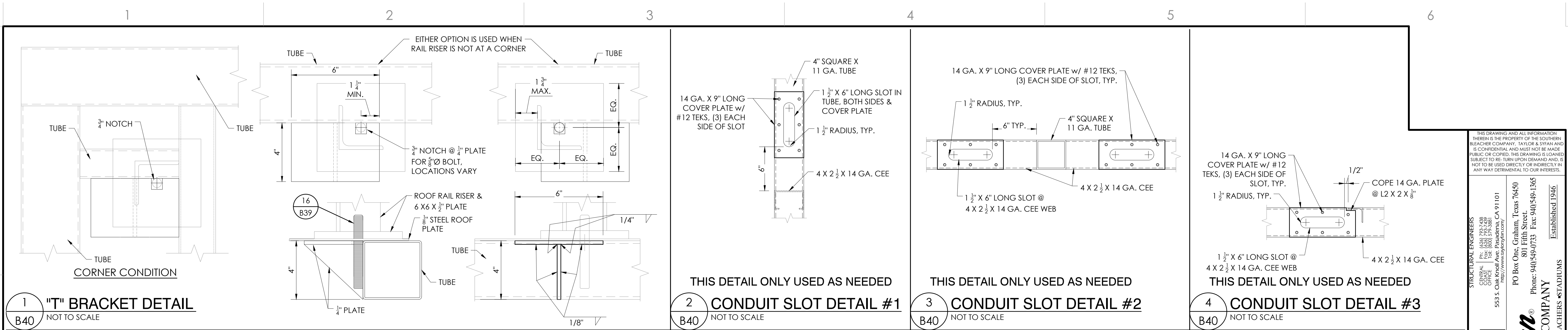
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 PALOMAR COMMUNITY COLLEGE DISTRICT  
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REVISIONS  
 NO. DATE DESCRIPTION  
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 SHEET OF B39 B47

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PRESS BOX DETAILS - VISITOR  
 8'-0" X 12'-0"

PALOMAR COMMUNITY COLLEGE  
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 SAN MARCOS, CALIFORNIA

REV	DATE	DESCRIPTION	DRAWN	CHECKED
1	05/05/22		SMR	DMC

JOB NUMBER: #21369

SHEET: B40 OF B47

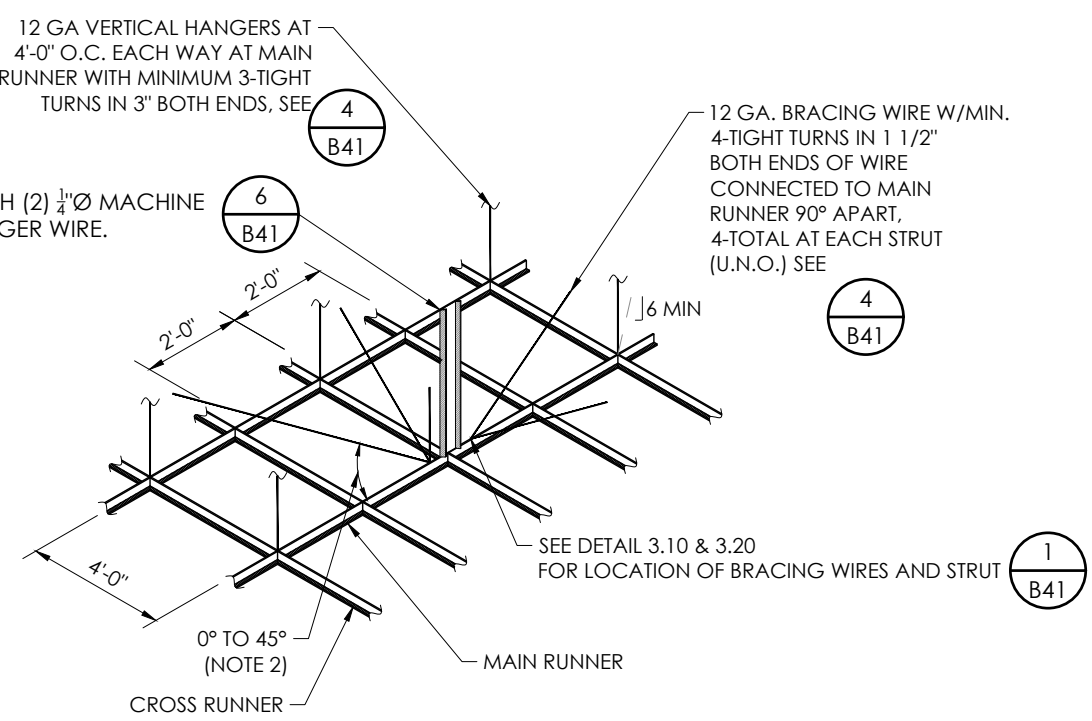
22" X 34" (11 X 17)  
 = 1/2" indicated scale



**NOTE #2: 7.3 SERVICES WITHIN THE CEILING:**  
 7.3.1 ALL FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE COMPONENT, SCREWS OR APPROXIMATE FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.  
 7.3.2 FLEXIBLE SPRINKLER HOSE FITTINGS, 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 TO THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.  
 7.3.3 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 ATTACHED TO THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.  
 7.3.4 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) TAUT #12 GAGE WIRES ATTACHED TO THE TERMINAL OR SERVICE AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GAGE WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.

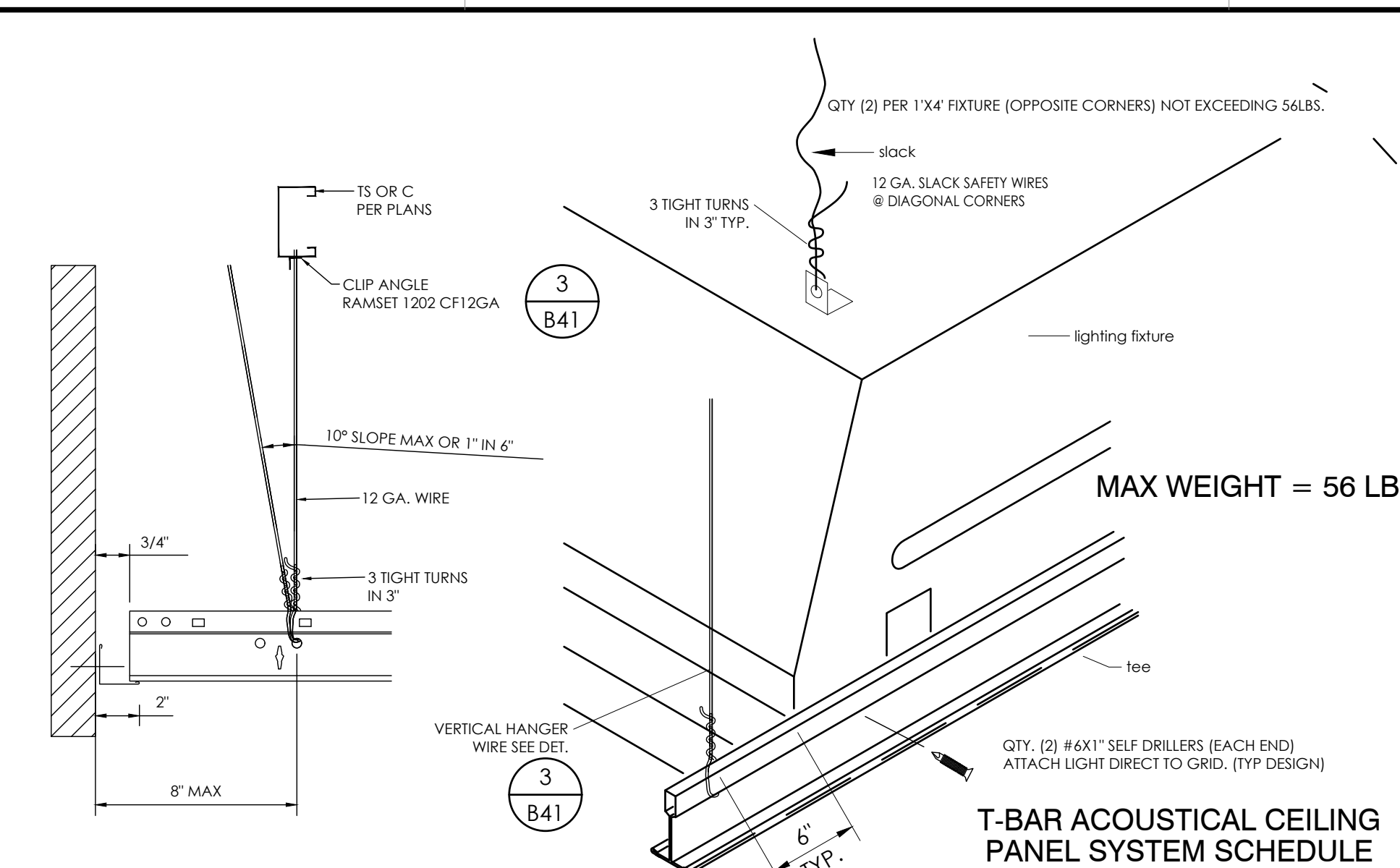
**NOTE #3: 7.4 OTHER DEVICES WITHIN THE CEILING**  
 7.4.1 ALL LIGHT WEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID PER DETAILS #3 & #5. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LB. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE PER DETAILS #3 & #5. DEVICES WEIGHING MORE THAN 20 LB. SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE PER DETAILS #3 & #5.

COMPRESSION STRUT, ATTACHED TO MAIN RUNNER WITH (2) 1/2" MACHINE BOLTS. COMPRESSION STRUT SHALL NOT REPLACE HANGER WIRE. 3/4x3/4x3/4x18 GA.



- NOTES:**
1. STRUTS SHALL NOT REPLACE HANGER WIRES.
  2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC. AND REMAIN STRAIGHT AND UNOBSTRUCTED.

**2 SUSPENDED CEILING BRACING ASSEMBLY**  
 NOT TO SCALE



**5 ISOMETRIC VIEW OF LIGHT FIXTURE @ RUNNER**  
 NOT TO SCALE

**T-BAR ACOUSTICAL CEILING PANEL SYSTEM SCHEDULE**

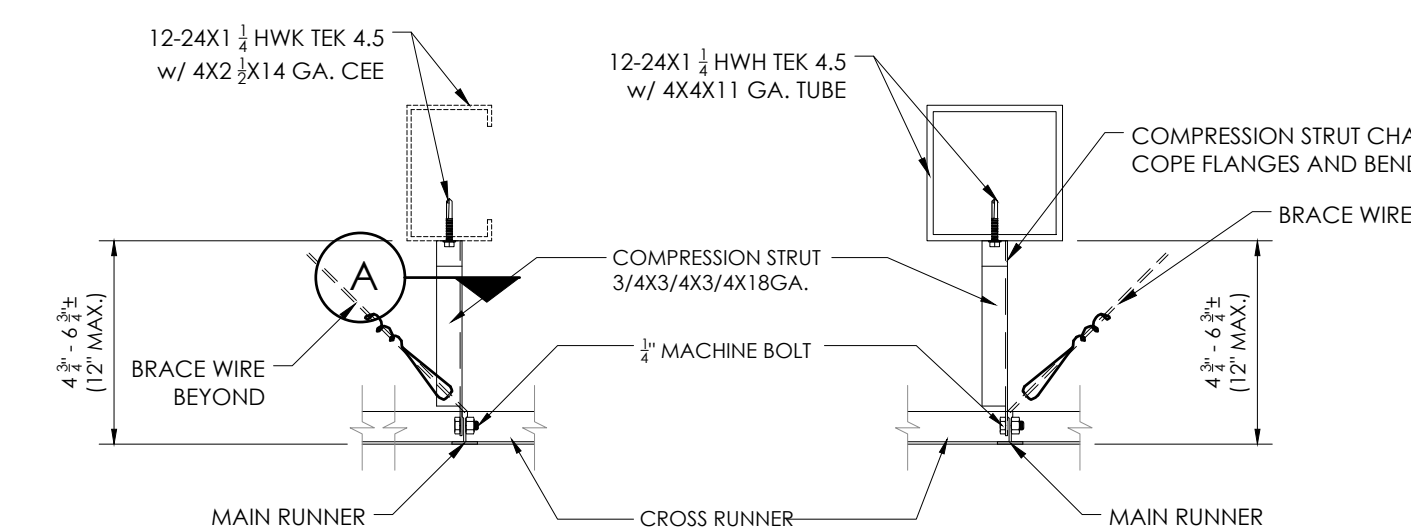
HEAVY DUTY // ASTM CLASS // FIRE RATED  
 USG BRANDS, ICC-ES ESR-1222

USG - DXL24FRHD12 MAINS  
 USG - DXL424FRHD4 CROSS T's  
 USG - DXL216FRHD2 CROSS T's  
 M7HD 12 ANGLE 7/8 (ALTERNATE)  
 DXL - 116FRHD 11 CROSS T's  
 2" WALL ANGLE

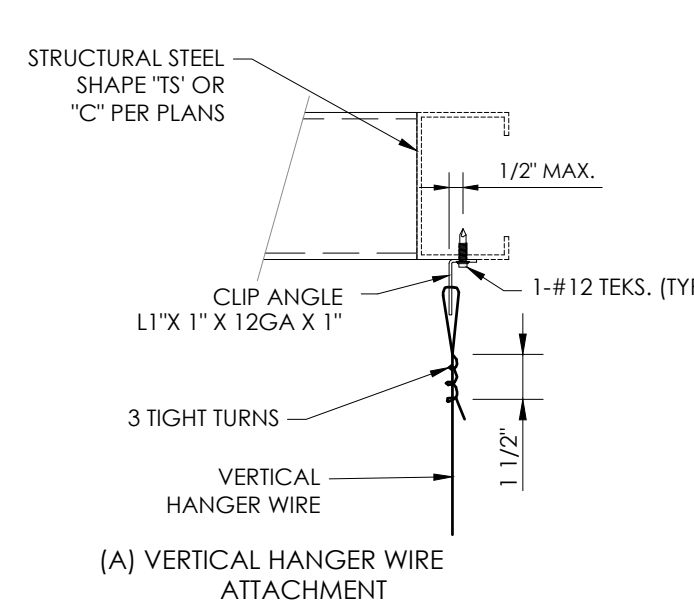
ARMSTRONGS BRAND, ICC-ES ESR-1308

PRELUDE FIRE GUARD  
 8301 HD 12" MAINS  
 8341 HD 4" CROSS T's  
 8323 HD 2" CROSS T's  
 8313 HD 1" CROSS T's  
 (7301 HD) 7/8" ANGLE HD (ALTERNATE)  
 BREC 2 CLIP SEISMIC CLIP (ALTERNATE)  
 BREC CLIP SEISMIC CLIP (ALTERNATE)  
 2" WALL ANGLE

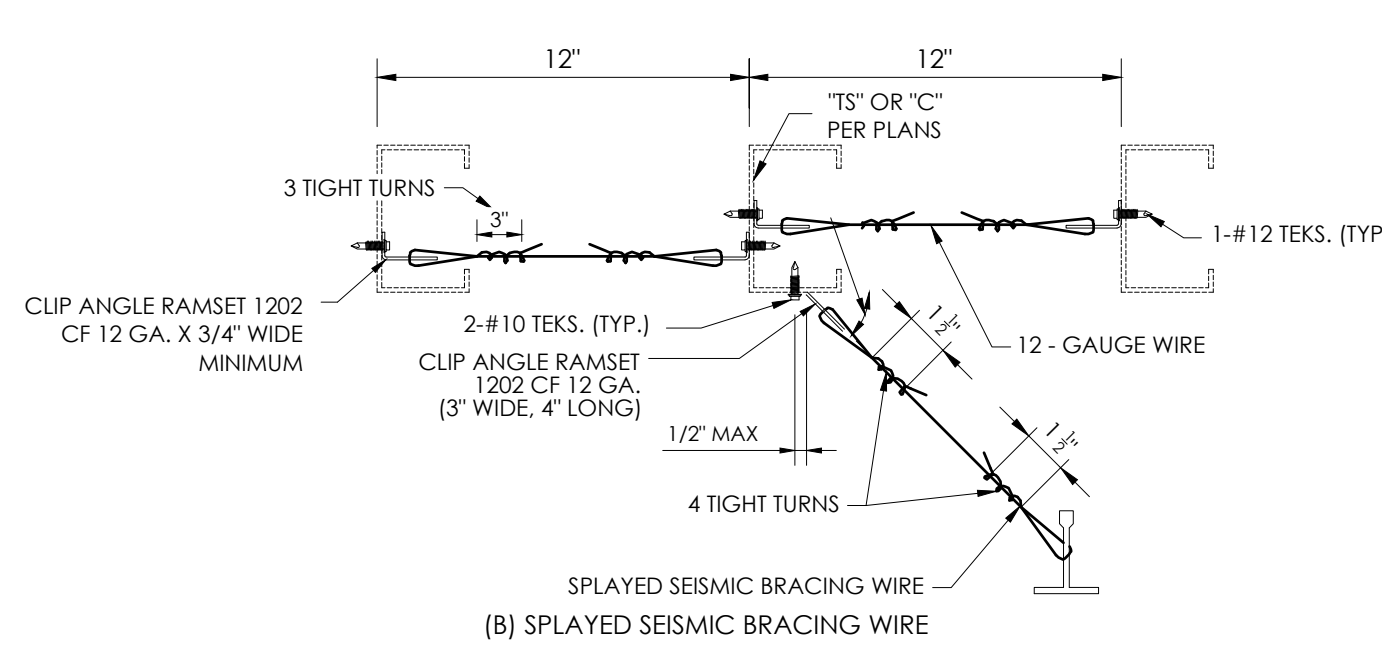
NOTE: RUNNER MUST HAVE AN INTEGRAL SPURCE JOINT WHEN JOINED WITH ADJACENT RUNNERS.



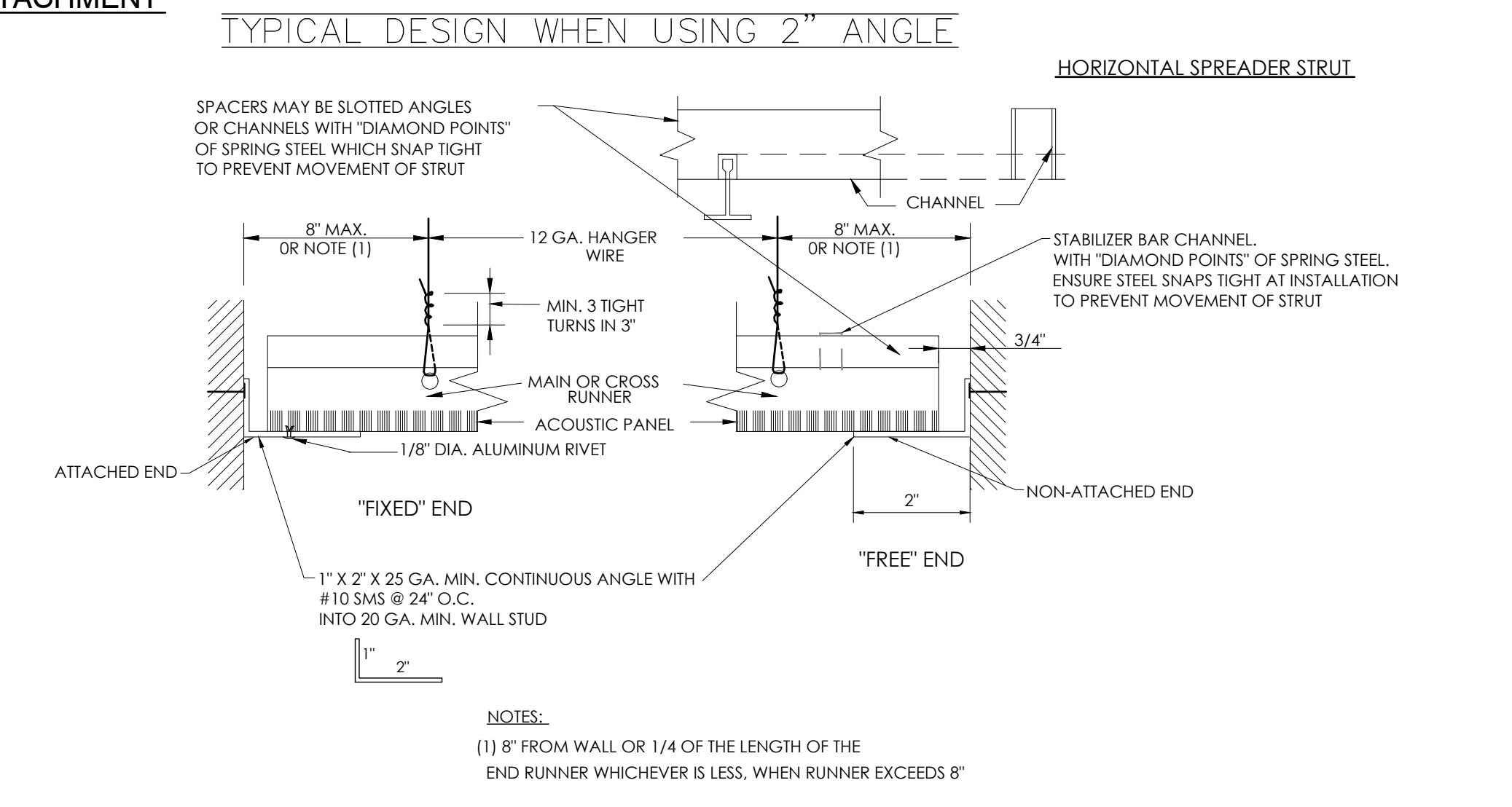
**6 COMPRESSION STRUT DETAIL**  
 NOT TO SCALE



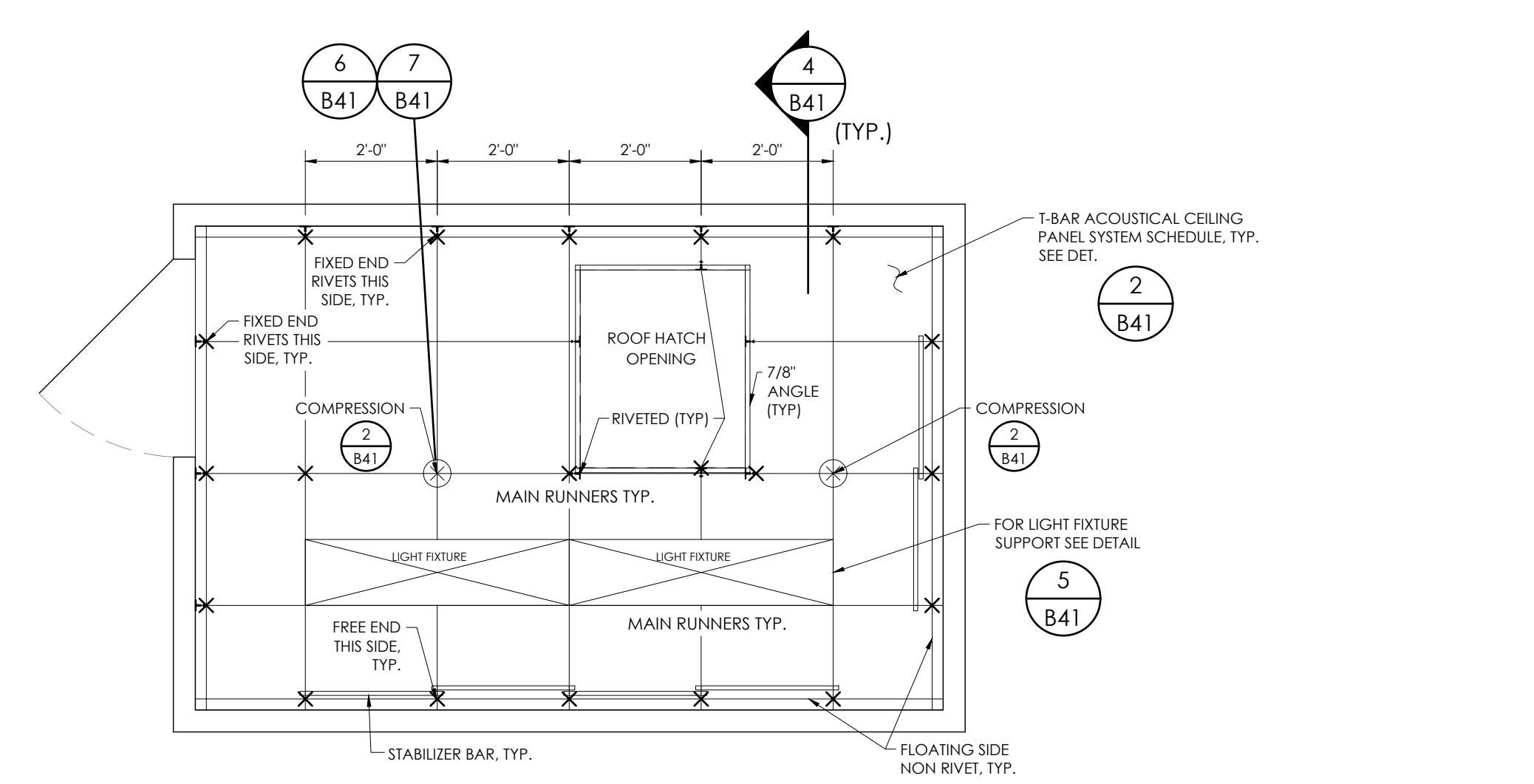
**3 VERTICAL HANGER WIRE ATTACHMENT**  
 NOT TO SCALE



**7 SPLOYED SEISMIC BRACING WIRE ATTACHMENT**  
 NOT TO SCALE



**4 MAIN OR CROSS RUNNER DETAIL**  
 NOT TO SCALE



**1 REFLECTED CEILING PLAN**  
 NOT TO SCALE

- LEGEND**
- X 12-GAUGE HANGER WIRE (SEE DET. 2) REF. NOTE #2
  - ⊗ LATERAL BRACING LOCATION
  - FIXED END ⊥ SEISMIC CLIP OR RIVETED
- NOTES:**
- (1) WALLS SHALL BE ATTACHED WITH 1/8\"/>

NOTE: ALL SUSPENSION SYSTEM WORK TO COMPLY WITH ASTM C636 AND SECTION 5.2 OF ASTM E580.

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 http://www.tandp.com

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 801 Fifth Street,  
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 COMPANY ESTABLISHED 1946

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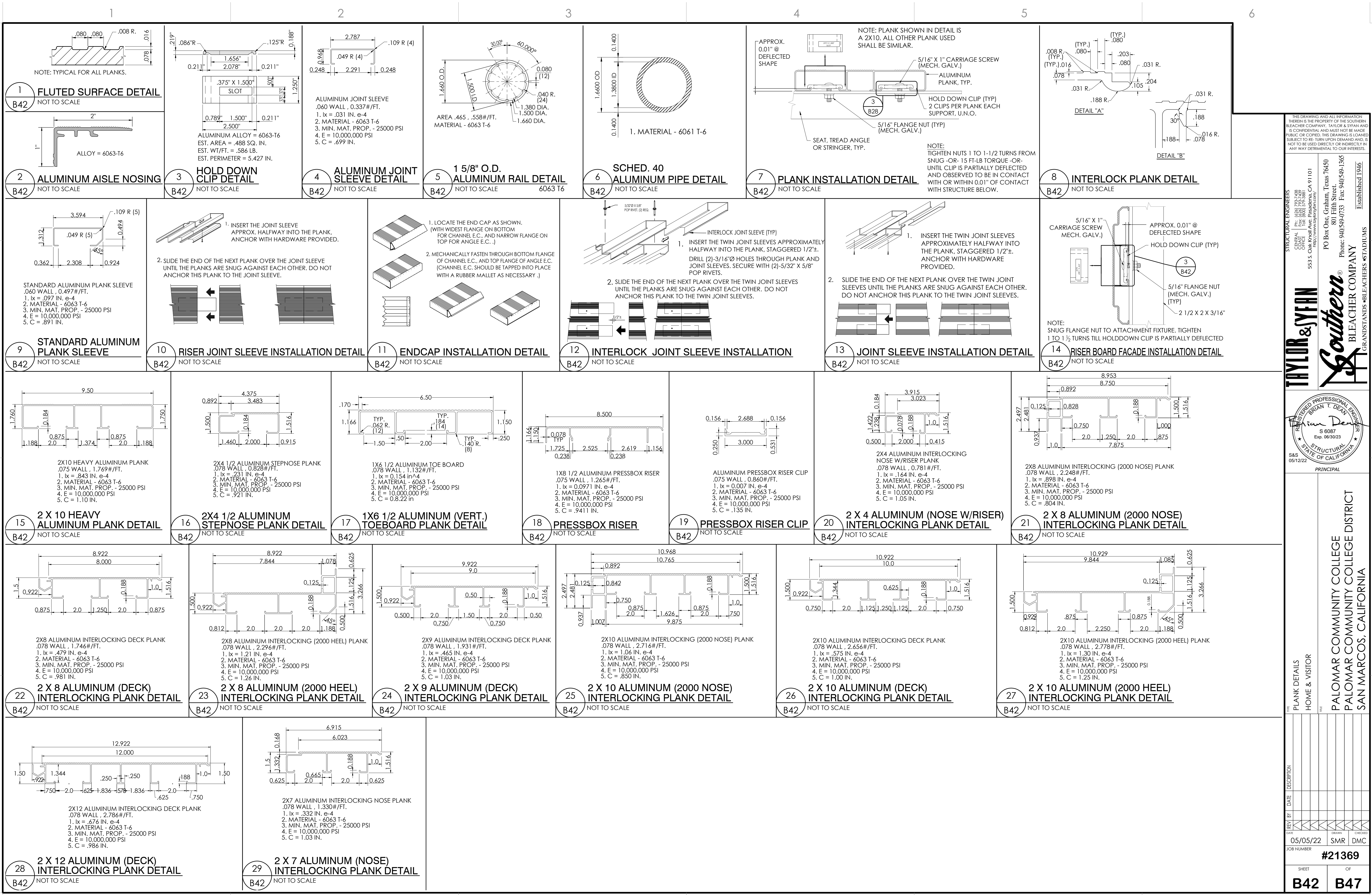
BRIAN T. DEAN  
 S 6087  
 Exp. 06/30/23  
 STRUCTURAL ENGINEER  
 STATE OF CALIFORNIA  
 05/12/22  
 PRINCIPAL

PRESS BOX CEILING DETAILS - VISITOR  
 8'-0\"/>

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION	DRAWN	CHECKED
		05/05/22		SMR	DMC
JOB NUMBER				#21369	
SHEET				B41	OF B47

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



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 REGISTERED PROFESSIONAL ENGINEER  
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 PRINCIPAL

PLANK DETAILS  
 HOME & VISITOR

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

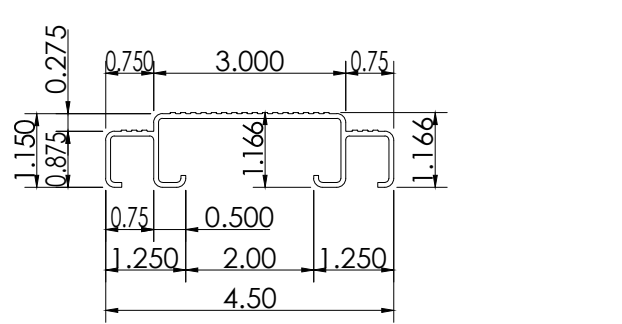
REV	DATE	DESCRIPTION

DATE: 05/05/22  
 DRAWN: SMR  
 CHECKED: DMC

JOB NUMBER: #21369

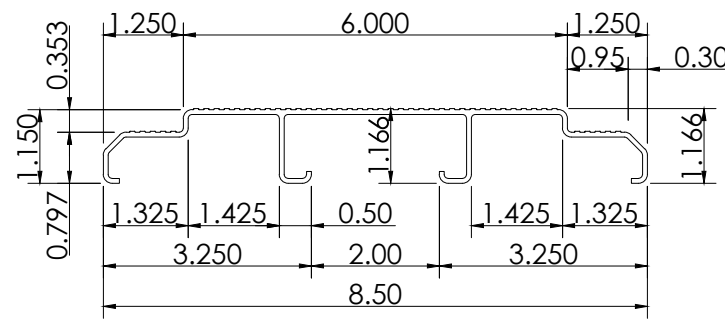
SHEET: B42 OF B47

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



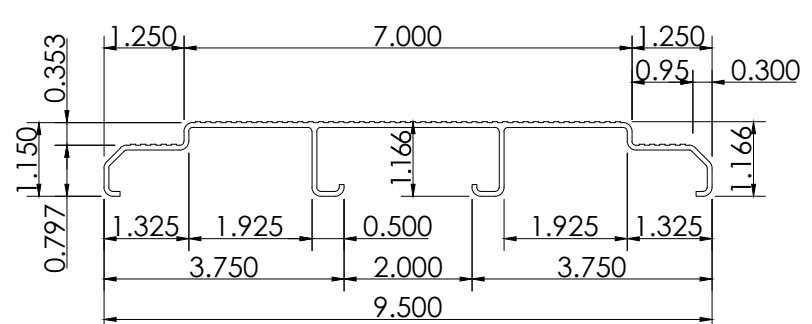
**1X 4 1/2 ALUMINUM FLAT RISER PLANK**  
 .075 WALL, 0.865#/FT.  
 1. Ix = .116 IN. e-4  
 2. MATERIAL - 6063 T-6  
 3. MIN. MAT. PROP. - 25000 PSI  
 4. E = 10,000,000 PSI  
 5. C = .697 IN.

**1**  
**1 X 4 1/2 ALUMINUM FLAT RISER PLANK DETAIL**  
 B42.1 NOT TO SCALE



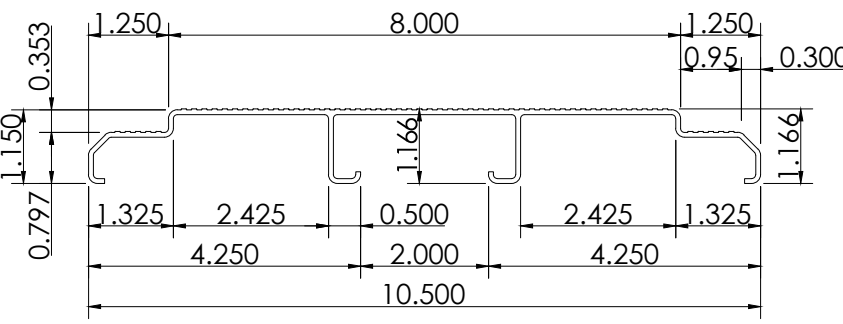
**1X 8 1/2 ALUMINUM FLAT RISER PLANK**  
 .075 WALL, 1.283#/FT.  
 1. Ix = .151 IN. e-4  
 2. MATERIAL - 6063 T-6  
 3. MIN. MAT. PROP. - 25000 PSI  
 4. E = 10,000,000 PSI  
 5. C = .799 IN.

**2**  
**1 X 8 1/2 ALUMINUM FLAT RISER PLANK DETAIL**  
 B42.1 NOT TO SCALE



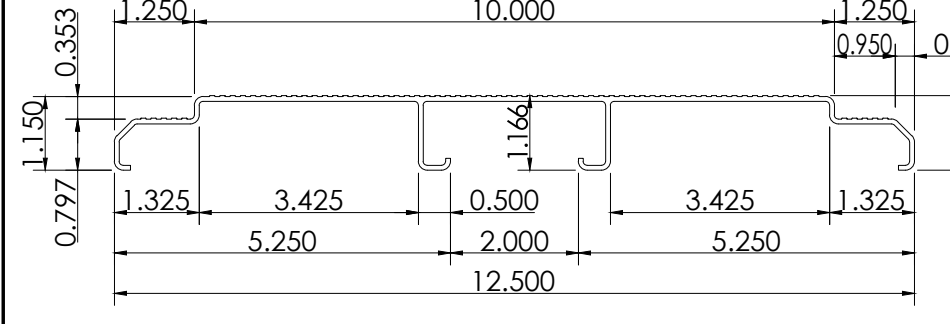
**1X 9 1/2 ALUMINUM FLAT RISER PLANK**  
 .075 WALL, 1.381#/FT.  
 1. Ix = .159 IN. e-4  
 2. MATERIAL - 6063 T-6  
 3. MIN. MAT. PROP. - 25000 PSI  
 4. E = 10,000,000 PSI  
 5. C = .822 IN.

**3**  
**1 X 9 1/2 ALUMINUM FLAT RISER PLANK DETAIL**  
 B42.1 NOT TO SCALE



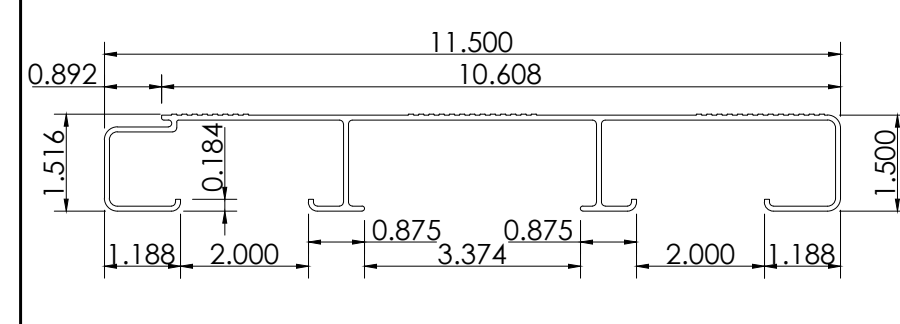
**1X 10 1/2 ALUMINUM FLAT RISER PLANK**  
 .075 WALL, 1.481#/FT.  
 1. Ix = .165 IN. e-4  
 2. MATERIAL - 6063 T-6  
 3. MIN. MAT. PROP. - 25000 PSI  
 4. E = 10,000,000 PSI  
 5. C = .842 IN.

**4**  
**1 X 10 1/2 ALUMINUM FLAT RISER PLANK DETAIL**  
 B42.1 NOT TO SCALE



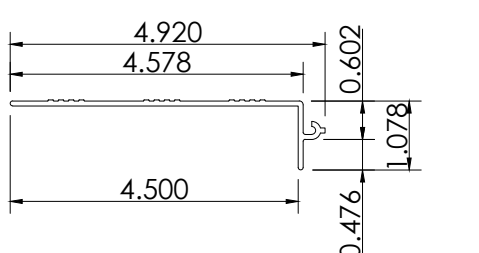
**1X 12 1/2 ALUMINUM FLAT RISER PLANK**  
 .075 WALL, 1.680#/FT.  
 1. Ix = .177 IN. e-4  
 2. MATERIAL - 6063 T-6  
 3. MIN. MAT. PROP. - 25000 PSI  
 4. E = 10,000,000 PSI  
 5. C = .874 IN.

**5**  
**1 X 12 1/2 ALUMINUM FLAT RISER PLANK DETAIL**  
 B42.1 NOT TO SCALE



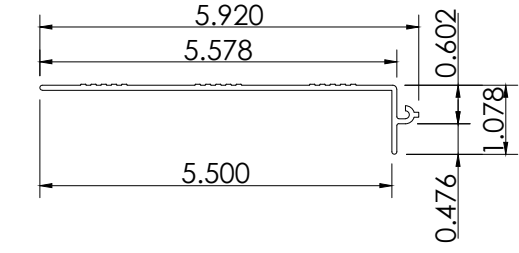
**2X12 ALUMINUM STEPNOSE PLANK**  
 .078 WALL, 2.040#/FT.  
 1. Ix = .583 IN. e-4  
 2. MATERIAL - 6063 T-6  
 3. MIN. MAT. PROP. - 25000 PSI  
 4. E = 10,000,000 PSI  
 5. C = 1.00 IN.

**6**  
**2X12 ALUMINUM STEPNOSE PLANK DETAIL**  
 B42.1 NOT TO SCALE



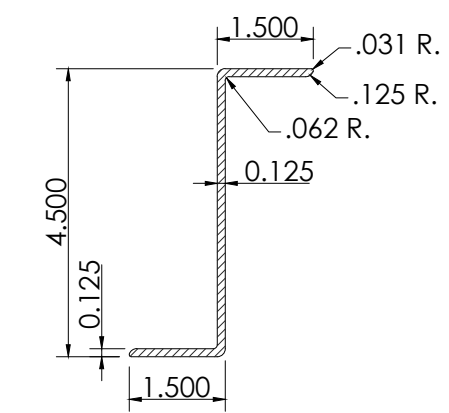
**4 1/2" ALUMINUM STEP RISER PLANK**  
 .078 WALL, 0.540#/FT.

**7**  
**4 1/2" ALUMINUM STEP RISER PLANK DETAIL**  
 B42.1 NOT TO SCALE



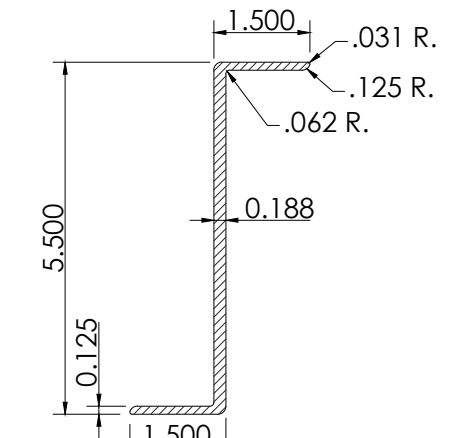
**5 1/2" ALUMINUM STEP RISER PLANK**  
 .078 WALL, 0.686#/FT.

**8**  
**5 1/2" ALUMINUM STEP RISER PLANK DETAIL**  
 B42.1 NOT TO SCALE



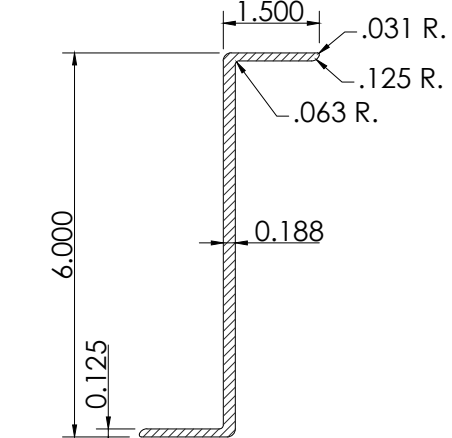
ALLOY = 6061-T6  
 ESTIMATED AREA = 0.895 SQ. IN.  
 ESTIMATED WEIGHT PER FT. = 1.074 LBS.  
 ESTIMATED PERIMETER = 14.45 IN.

**9**  
**4 1/2" ALUMINUM "Z" BRACKET DETAIL**  
 B42.1 NOT TO SCALE



ALLOY = 6005A  
 ESTIMATED AREA = 1.351 SQ. IN.  
 ESTIMATED WEIGHT PER FT. = 1.621 LBS.  
 ESTIMATED PERIMETER = 16.34 IN.

**10**  
**5 1/2" ALUMINUM "Z" BRACKET DETAIL**  
 B42.1 NOT TO SCALE



ALLOY = 6061-T6  
 ESTIMATED AREA = 1.445 SQ. IN.  
 ESTIMATED WEIGHT PER FT. = 1.734 LBS.  
 ESTIMATED PERIMETER = 17.34 IN.

**11**  
**6" ALUMINUM "Z" BRACKET DETAIL**  
 B42.1 NOT TO SCALE

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 Brian Dean  
 S 6087  
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 S&S 05/12/22  
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PLANK DETAILS  
 HOME & VISITOR

PALOMAR COMMUNITY COLLEGE  
 PALOMAR COMMUNITY COLLEGE DISTRICT  
 SAN MARCOS, CALIFORNIA

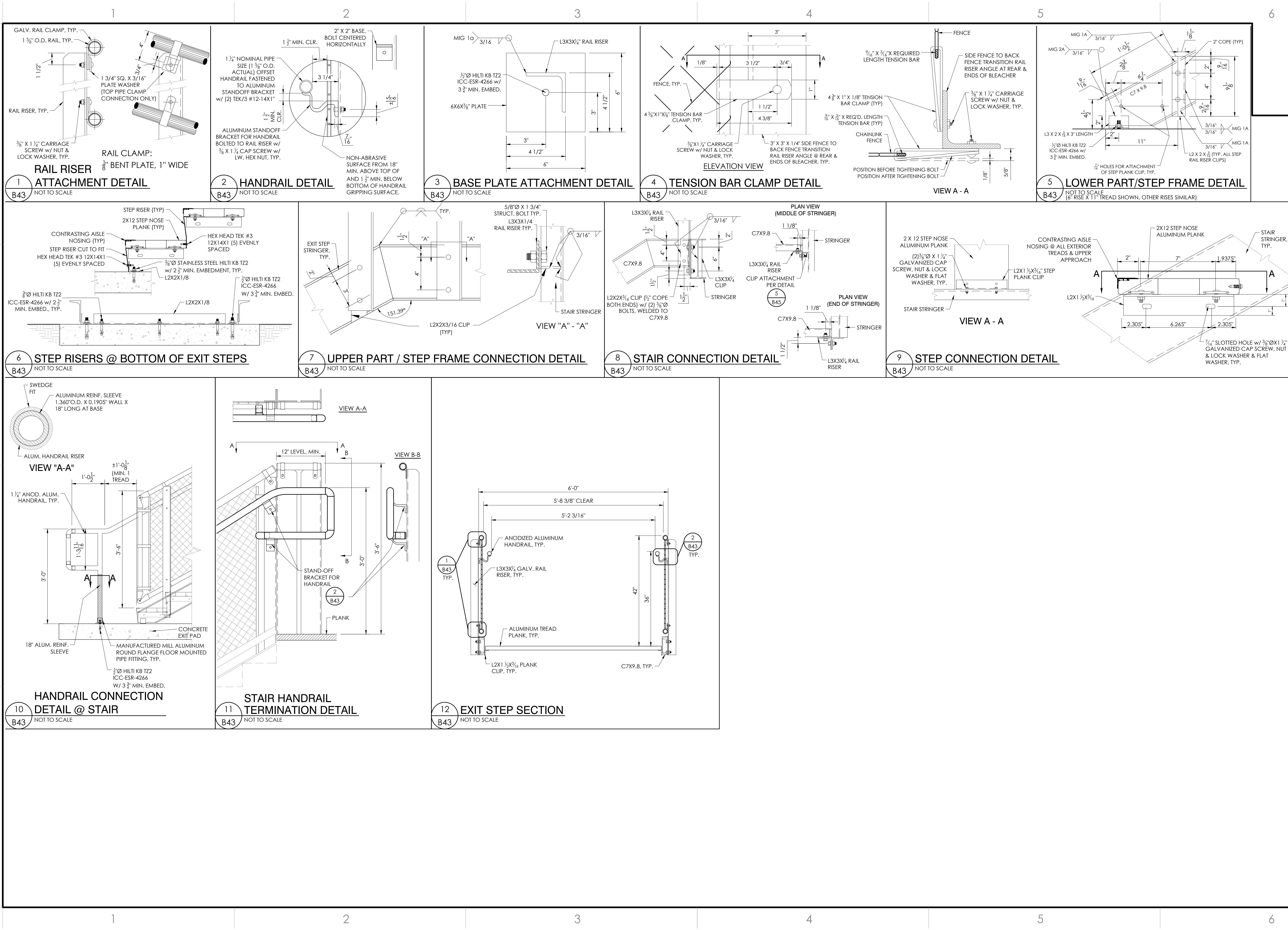
REV	BY	DATE	DESCRIPTION

DATE: 05/05/22  
 JOB NUMBER: SMR  
 SHEET: #21369  
 OF: DMC

B42.1 B47

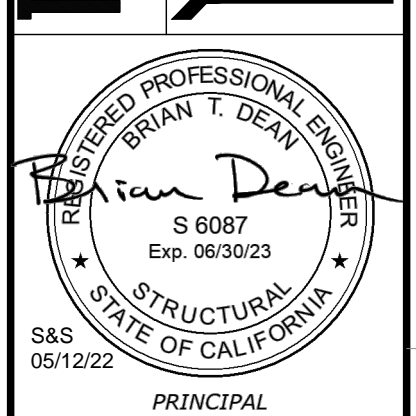
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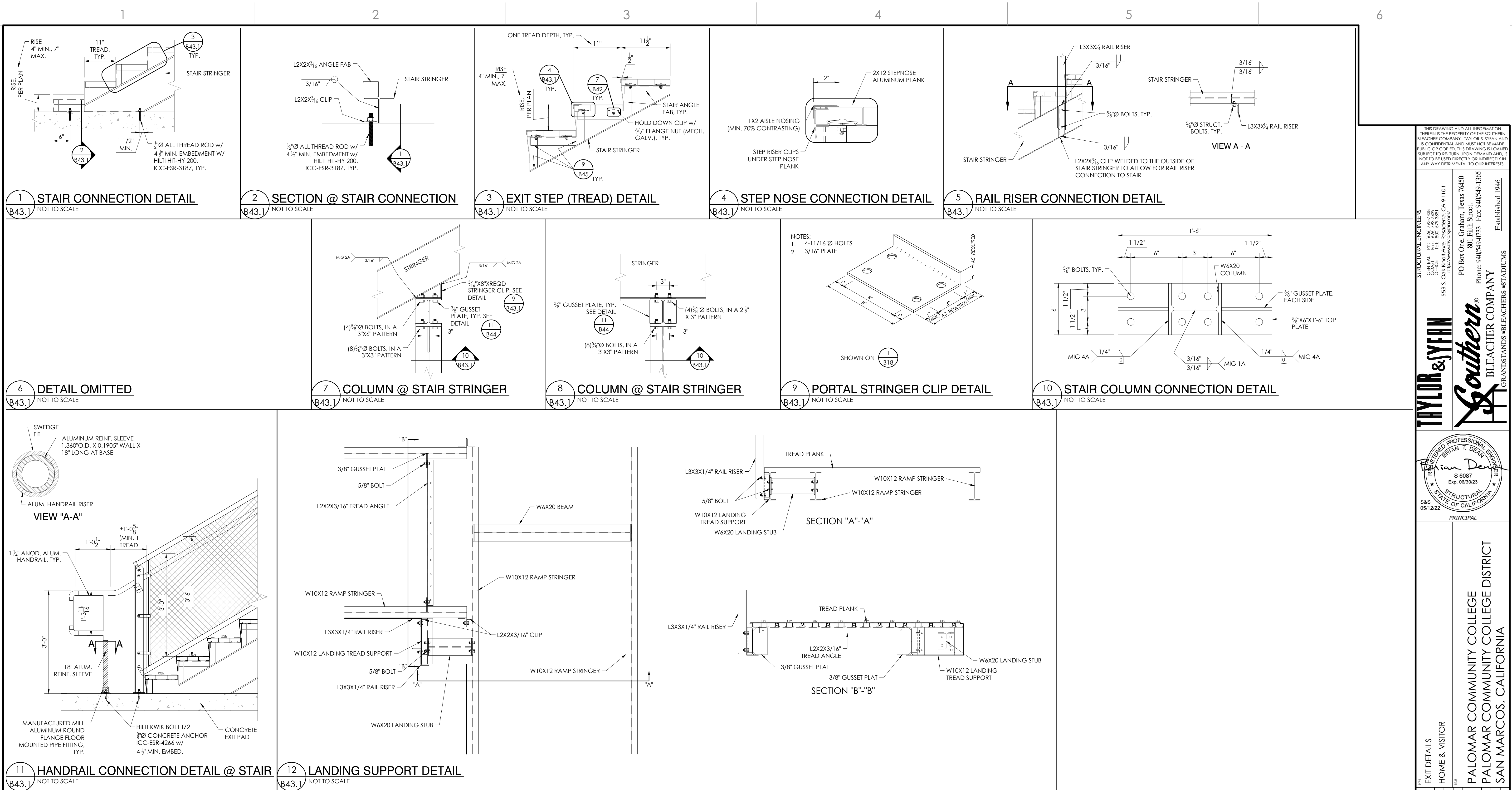
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 http://www.taysy.com  
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 Established 1946



REV	BY	DATE	DESCRIPTION
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PALOMAR COMMUNITY COLLEGE PALOMAR COMMUNITY COLLEGE DISTRICT SAN MARCOS, CALIFORNIA			
JOB NUMBER			#21369
SHEET		OF	
<b>B43</b>			<b>B47</b>

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





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 ESTABLISHED 1946

**Brian T. Dean**  
 REGISTERED PROFESSIONAL ENGINEER  
 S 6087  
 Exp. 06/30/23  
 STRUCTURAL  
 STATE OF CALIFORNIA  
 05/12/22  
 PRINCIPAL

EXIT DETAILS  
 HOME & VISITOR

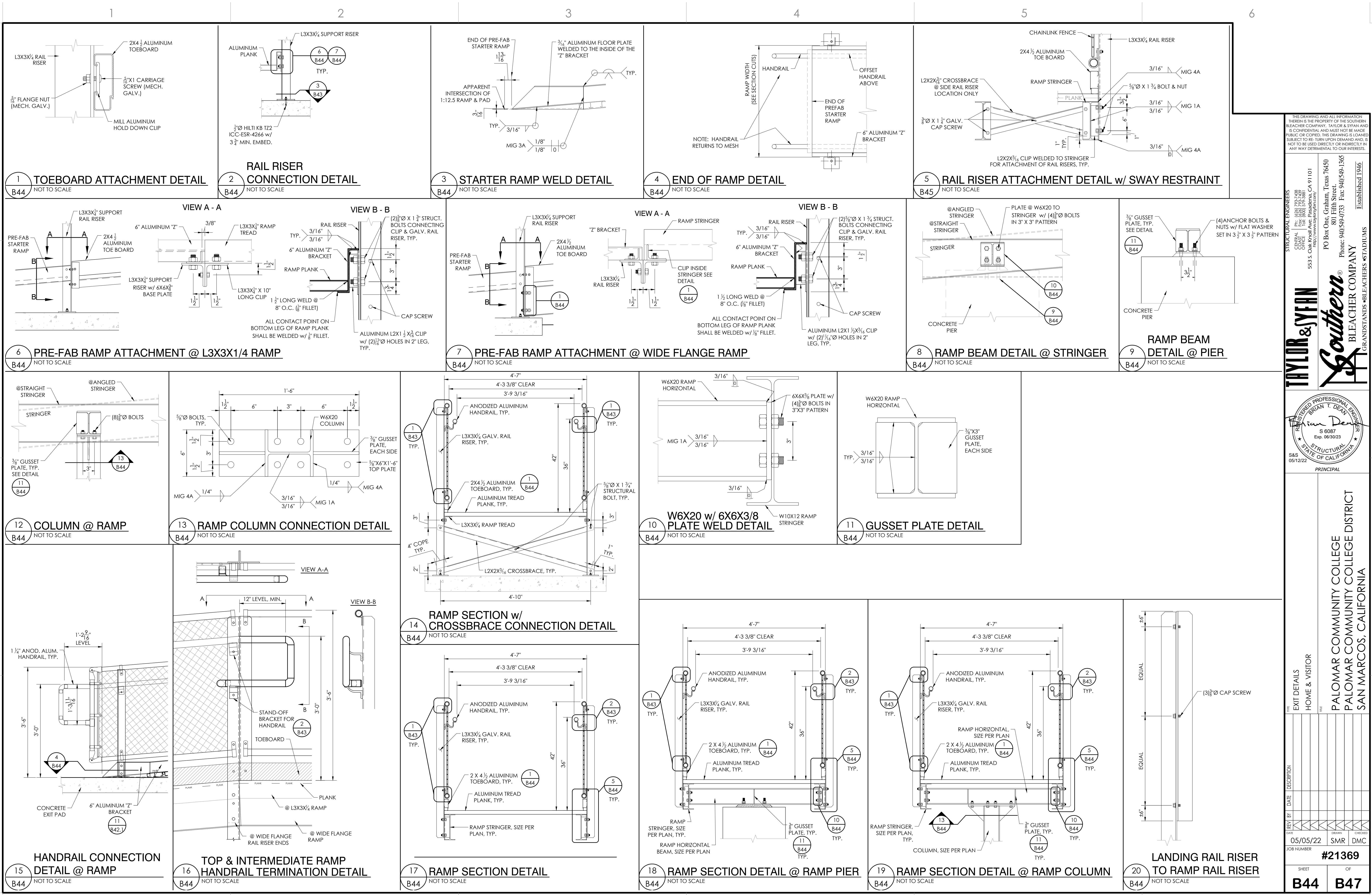
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**PALOMAR COMMUNITY COLLEGE DISTRICT**  
**SAN MARCOS, CALIFORNIA**

REV. BY DATE DESCRIPTION  
 DATE DRAWN CHECKED  
 05/05/22 SMR DMC

JOB NUMBER  
**#21369**

SHEET OF  
**B43.1 B47**

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



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EXIT DETAILS  
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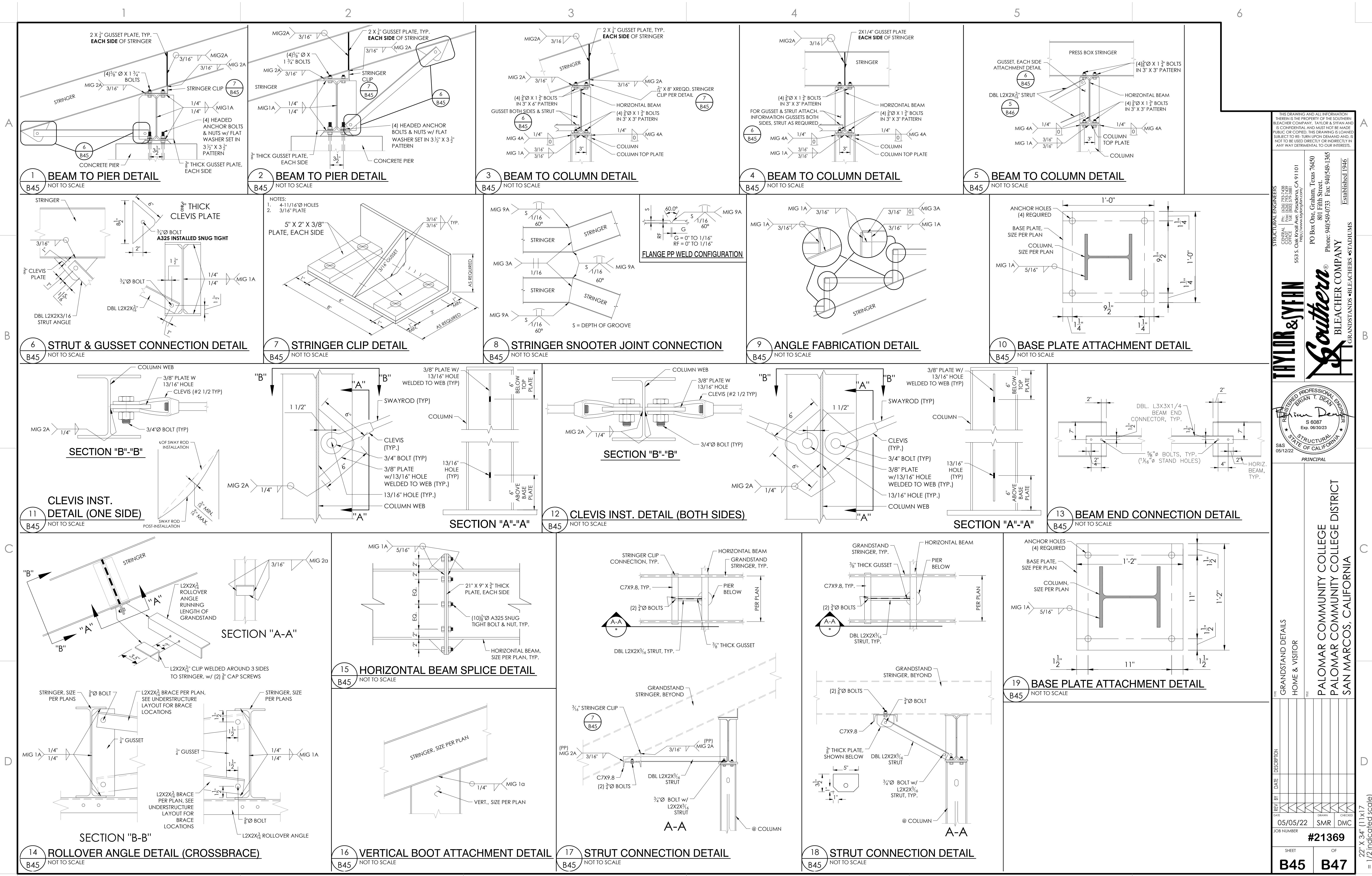
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 SAN MARCOS, CALIFORNIA

REV	BY	DATE	DESCRIPTION	DRAWN	CHECKED
1		05/05/22		SMR	DMC

JOB NUMBER **#21369**

SHEET **B44** OF **B47**

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Established 1946

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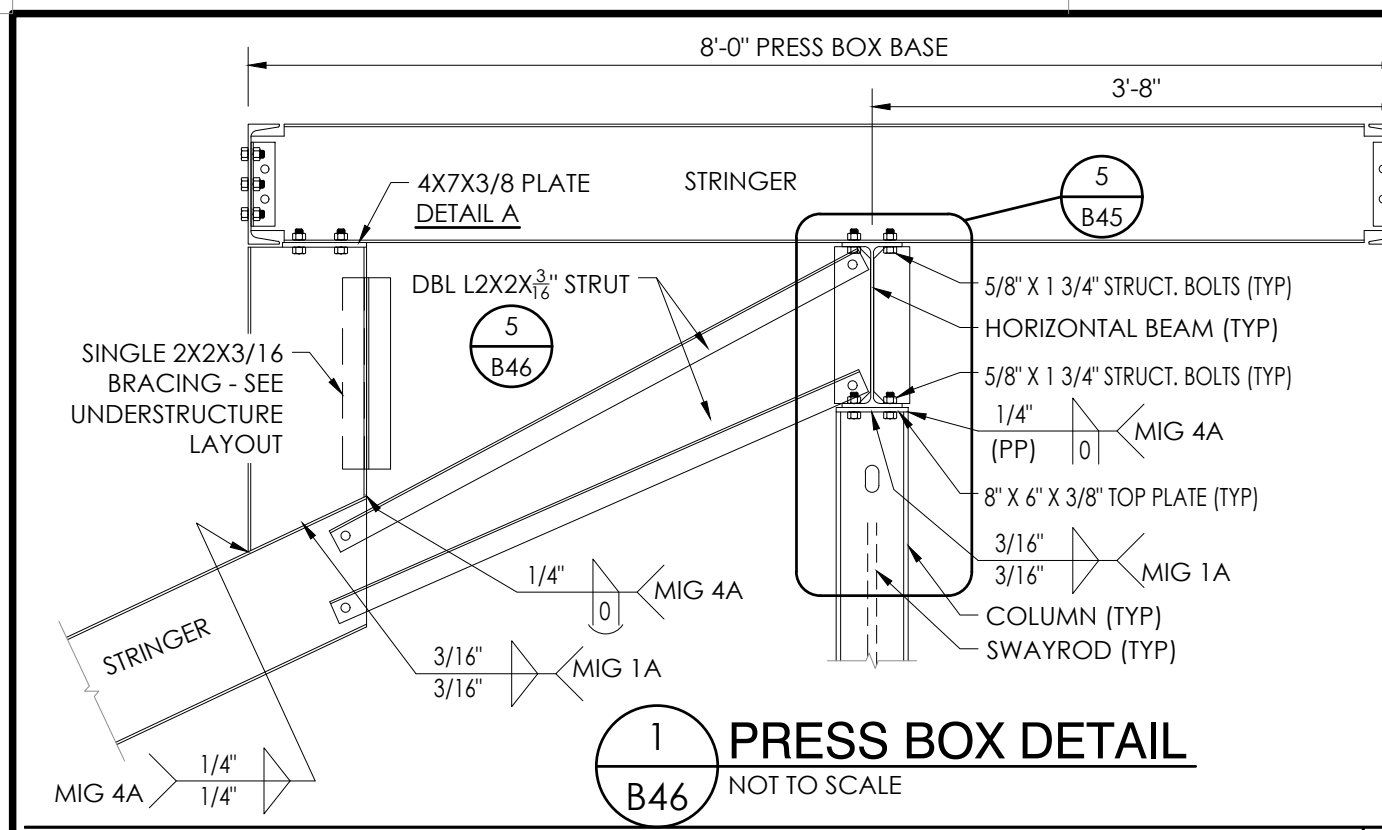
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Brian Dean  
S 6087  
Exp. 06/30/23  
STATE OF CALIFORNIA  
S&S 06/12/22  
PRINCIPAL

GRANDSTAND DETAILS  
HOME & VISITOR  
PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

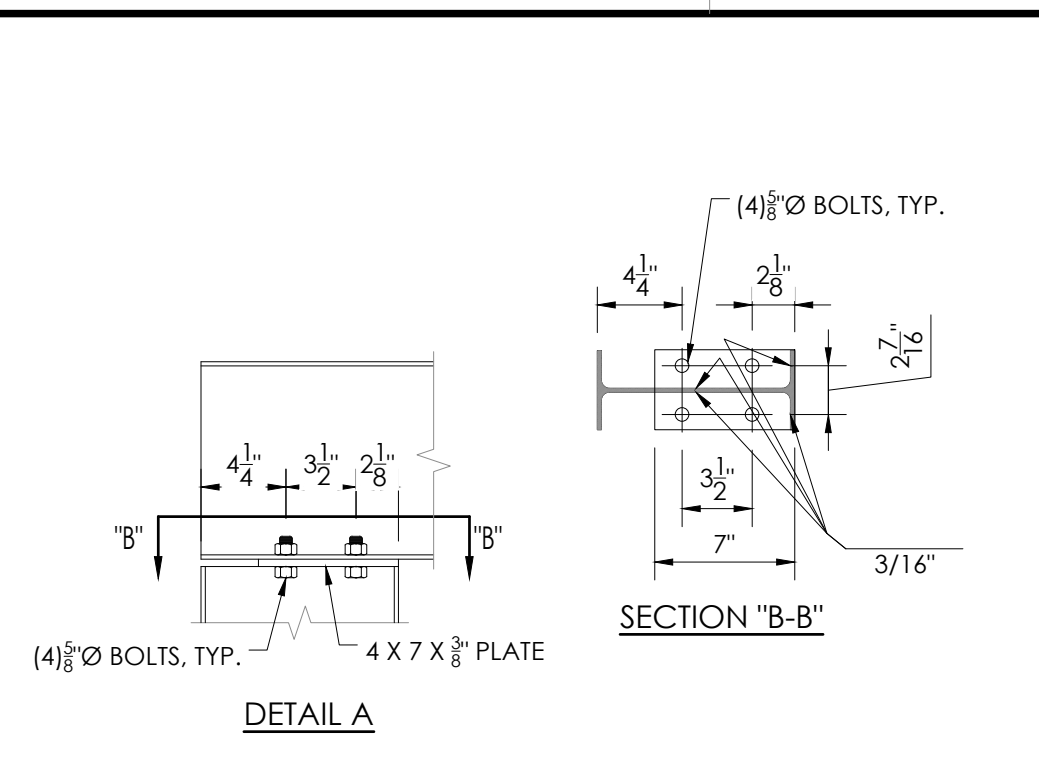
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	05/05/22		SMR	DMC
JOB NUMBER #21369				
SHEET B45 OF B47				

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



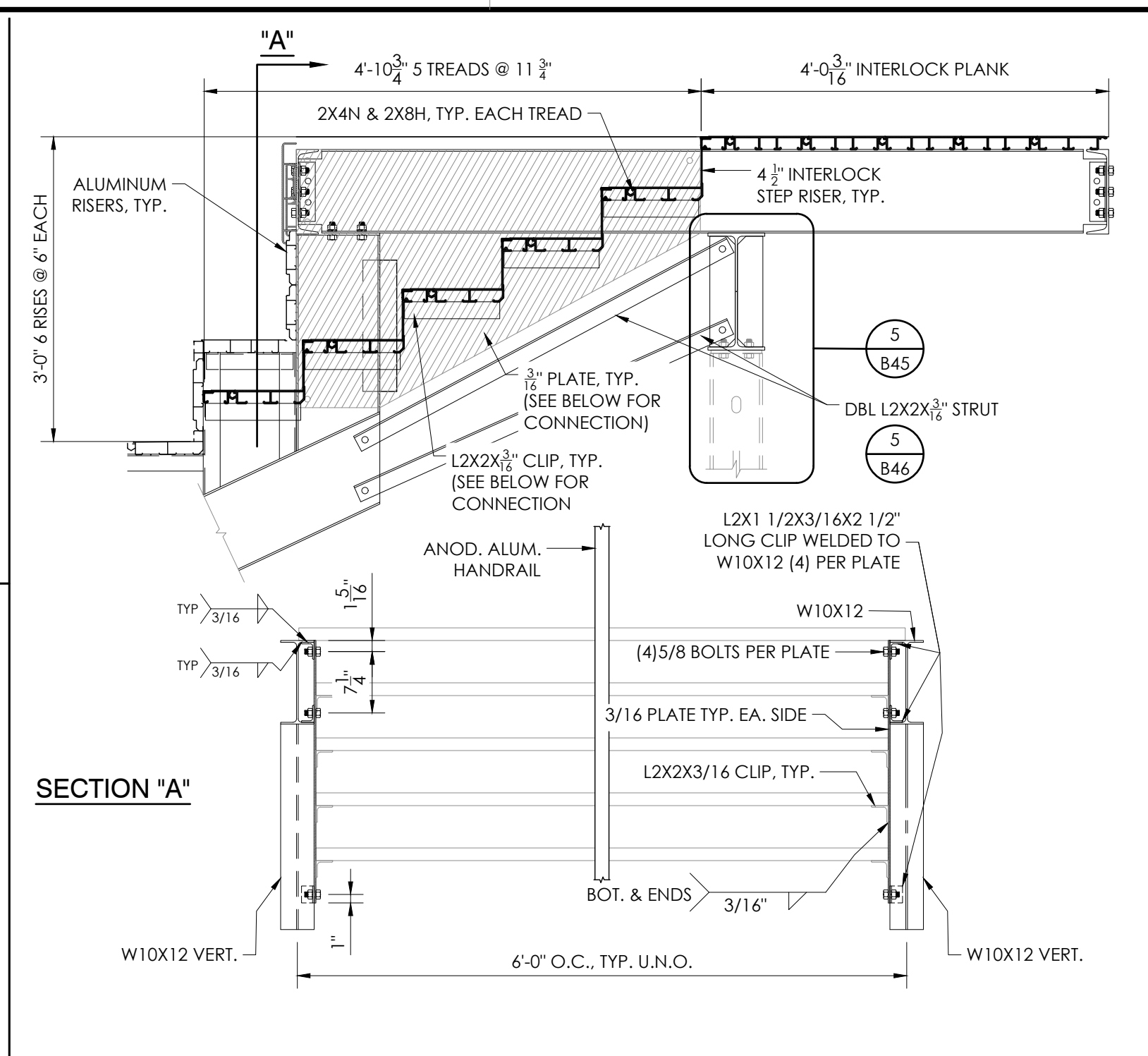


**1 PRESS BOX DETAIL**  
NOT TO SCALE



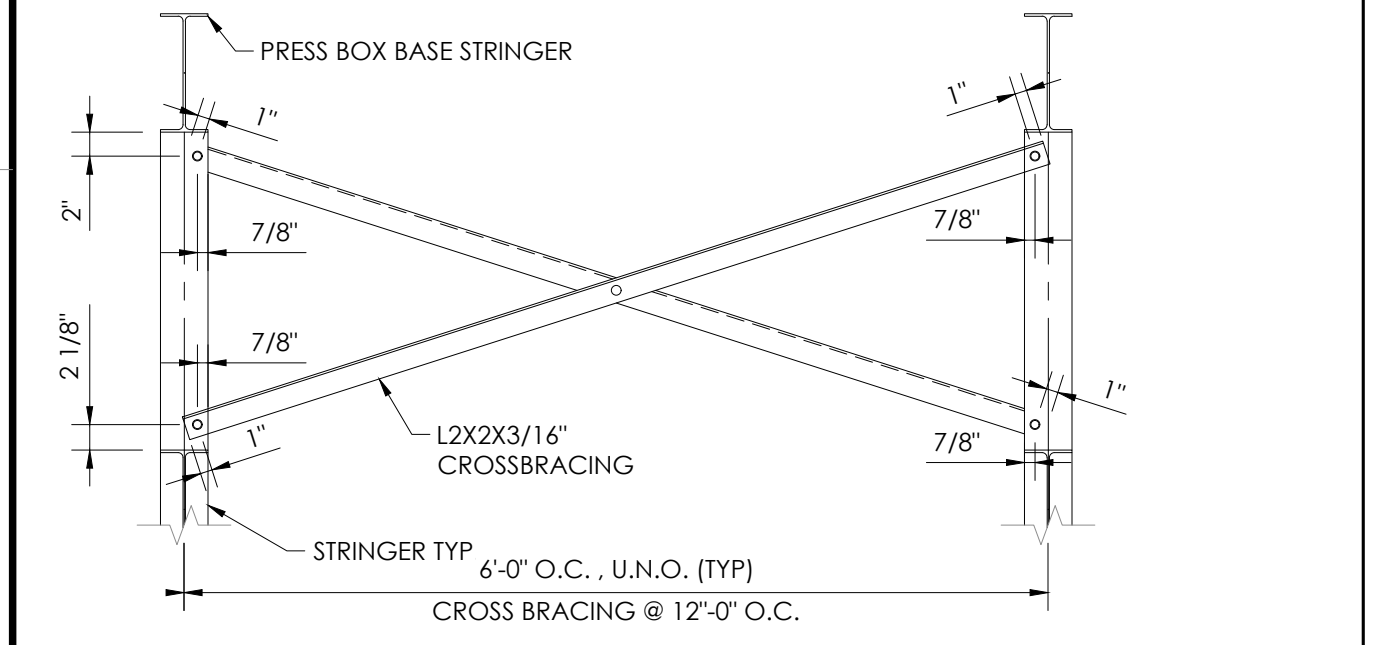
**DETAIL A**

**SECTION "B-B"**

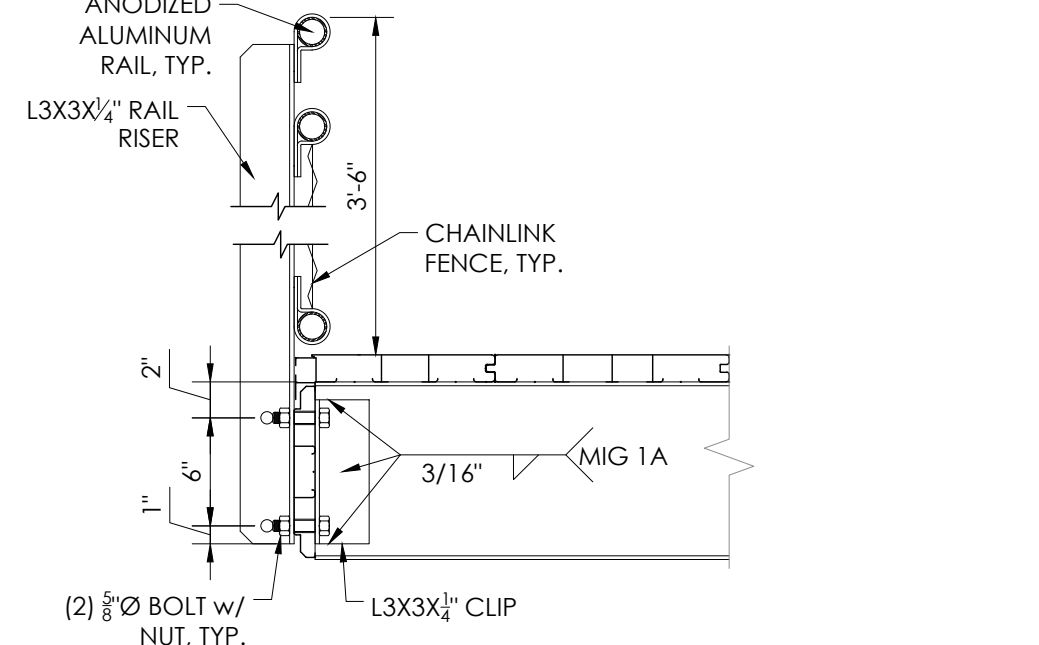


**4 PRESS BOX STEP DETAIL**  
NOT TO SCALE

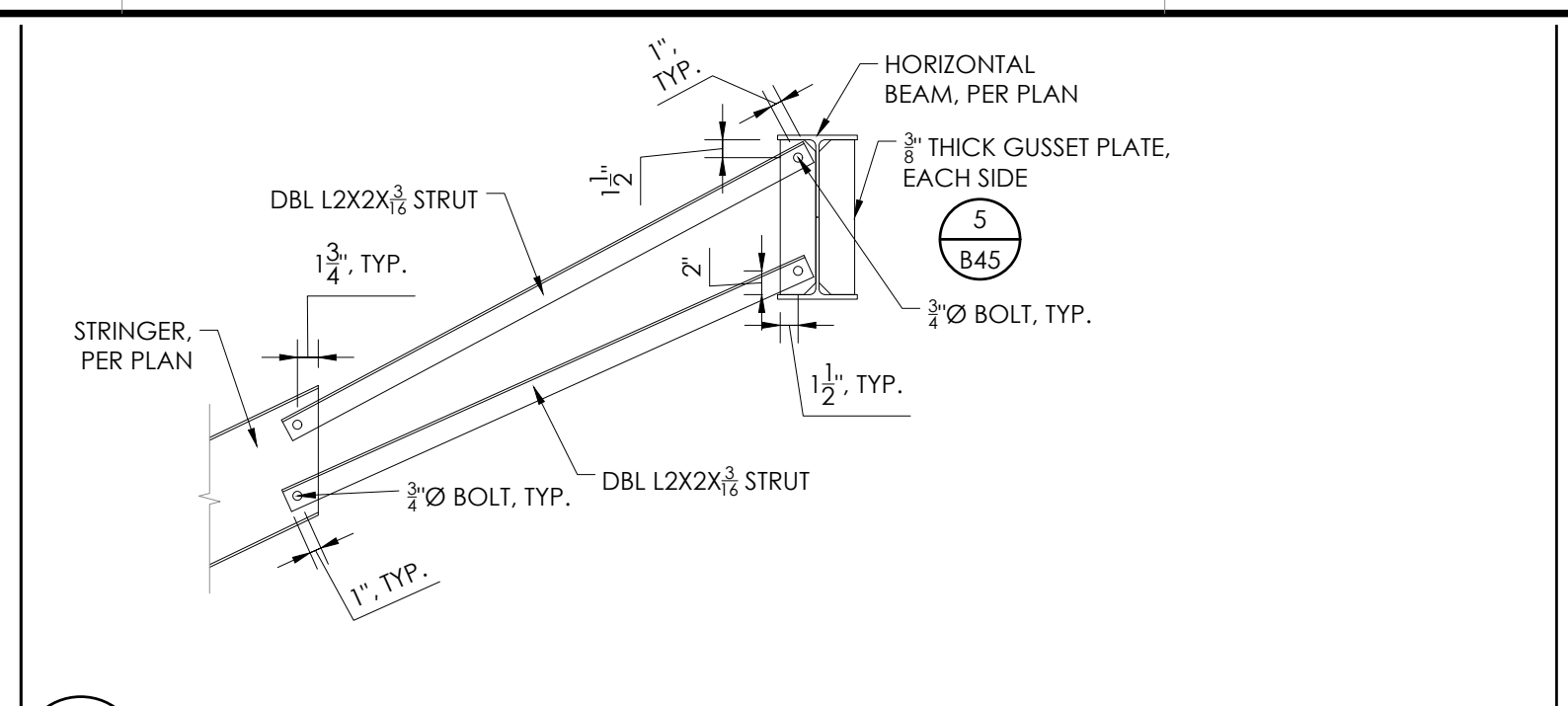
**SECTION "A"**



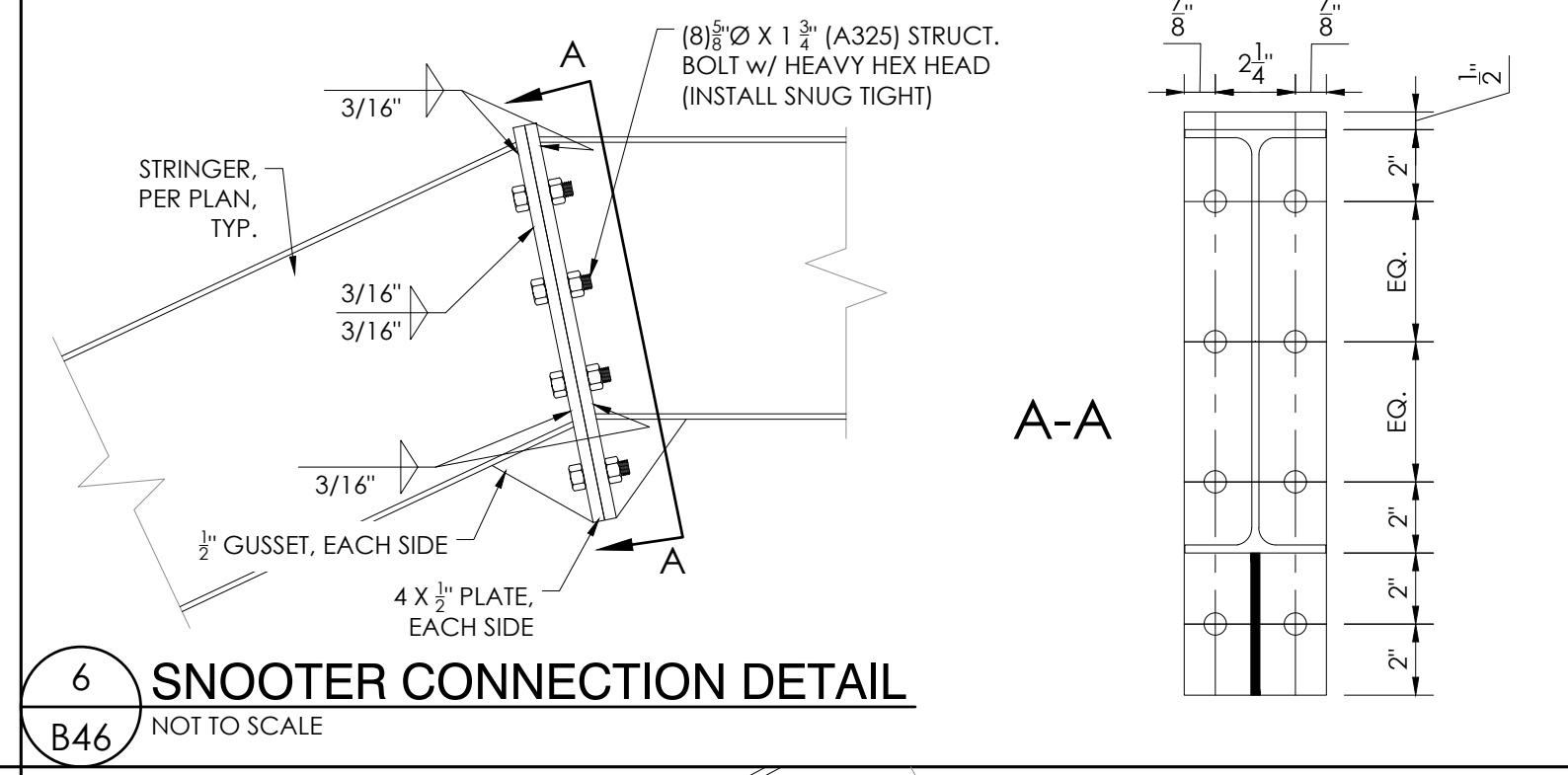
**2 CROSSBRACING @ BOOT**  
NOT TO SCALE



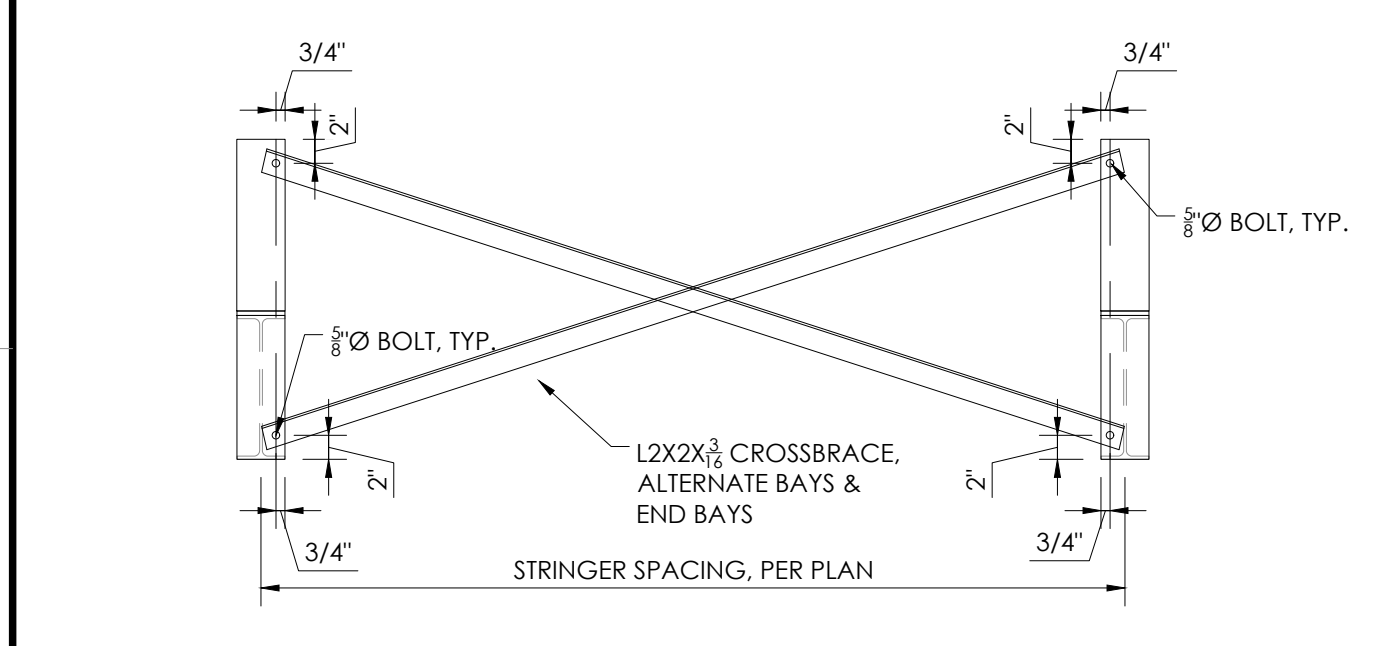
**3 RAIL ATTACHMENT DETAIL**  
NOT TO SCALE



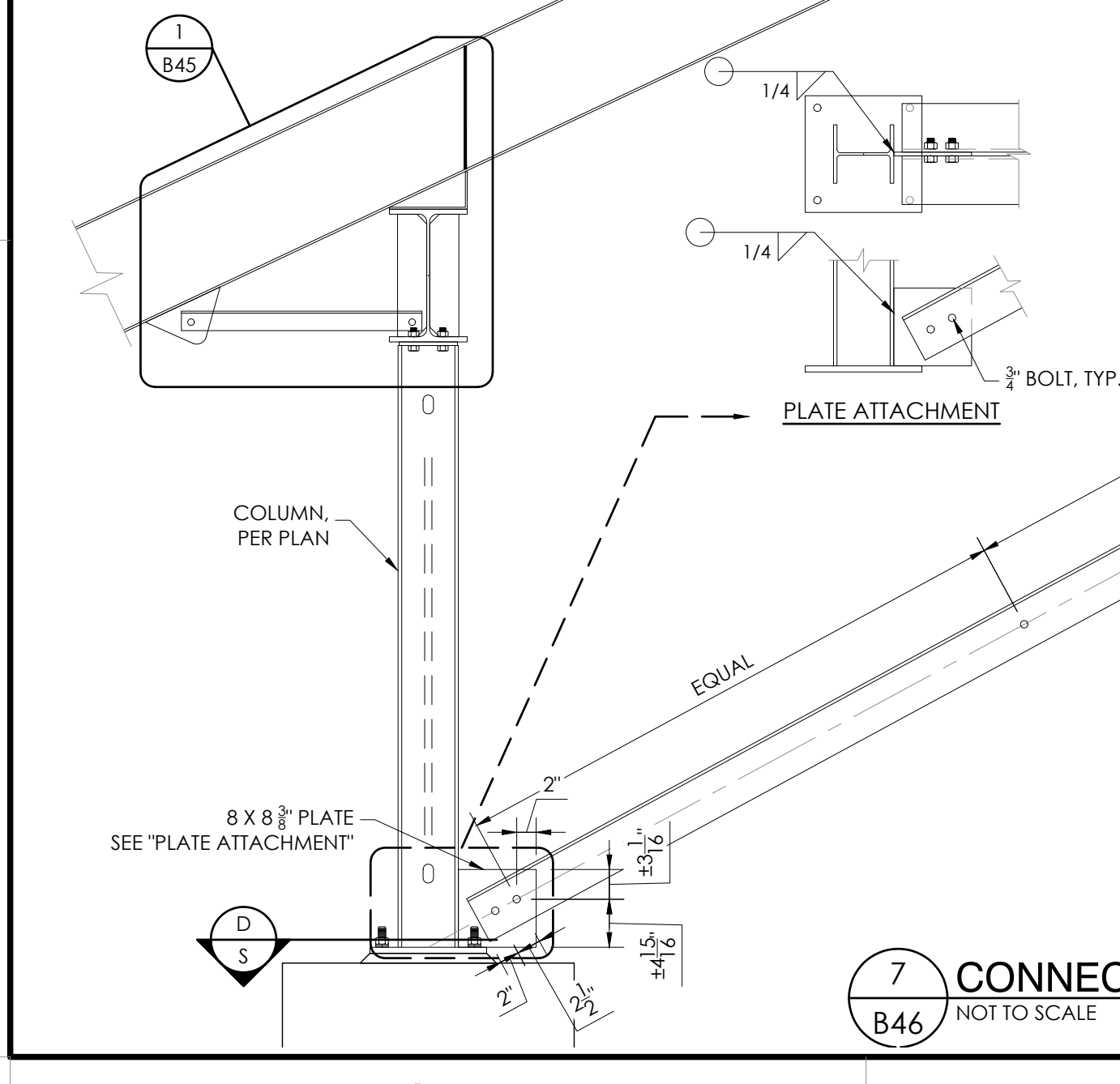
**5 PRESS BOX STRUT DETAIL**  
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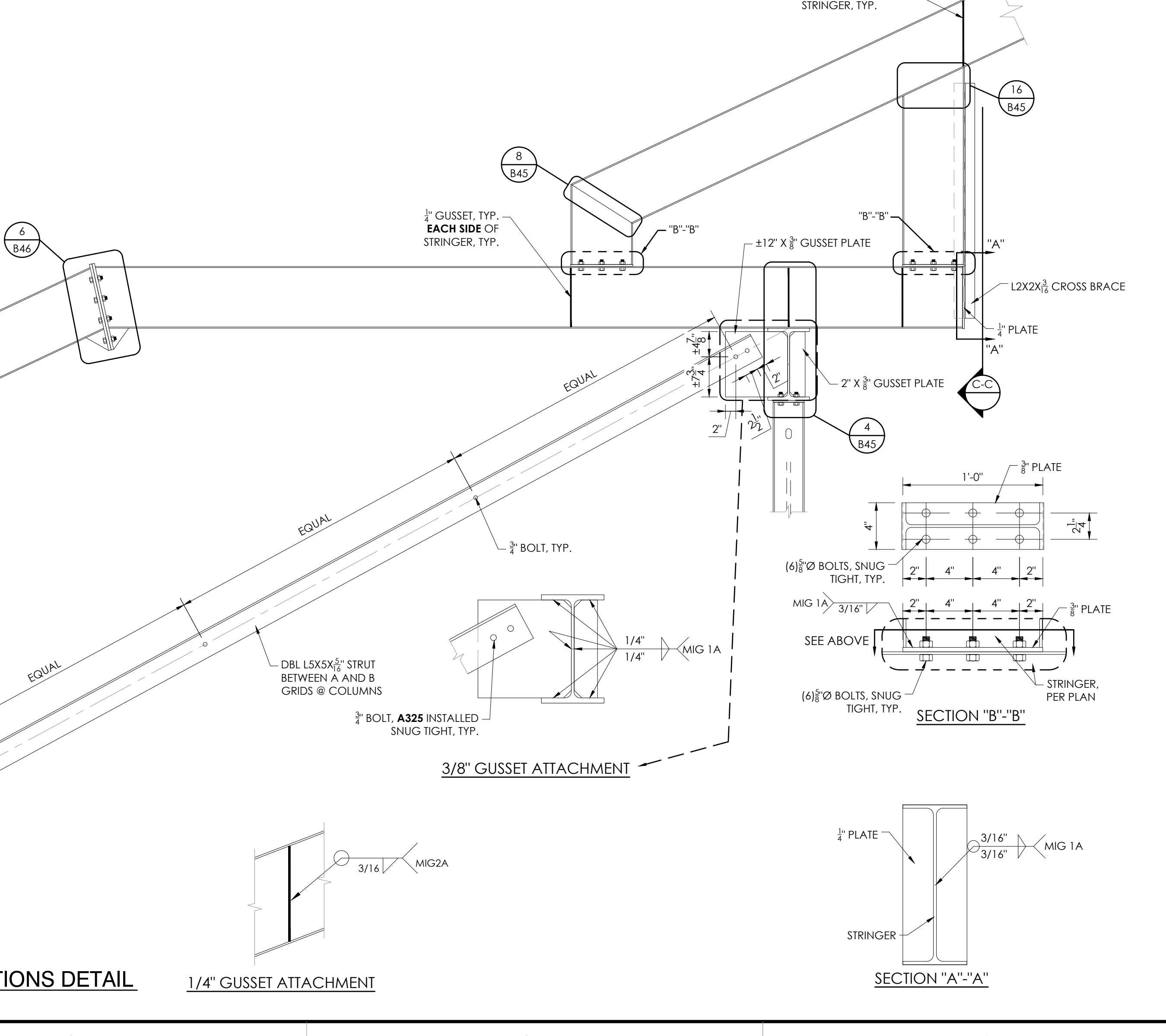
**6 SNOOTER CONNECTION DETAIL**  
NOT TO SCALE



**SECTION C-C**



**7 CONNECTIONS DETAIL**  
NOT TO SCALE



**8 SNOOTER CONNECTION DETAIL**  
NOT TO SCALE

**SECTION "B"-B"**

**SECTION "A"-A"**

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ESTABLISHED 1946

**Brian T. Dean**  
REGISTERED PROFESSIONAL ENGINEER  
S 6087  
Exp. 06/30/23  
STRUCTURAL  
STATE OF CALIFORNIA  
05/12/22  
PRINCIPAL

GRANDSTAND DETAILS  
HOME & VISITOR

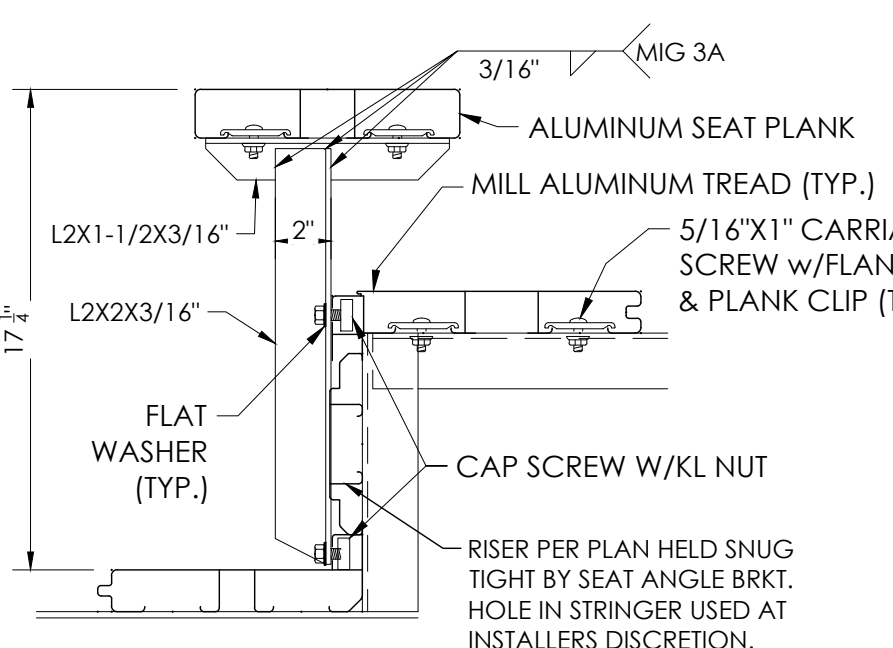
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**PALOMAR COMMUNITY COLLEGE DISTRICT**  
**SAN MARCOS, CALIFORNIA**

REV	DATE	DESCRIPTION	DRAWN	CHECKED

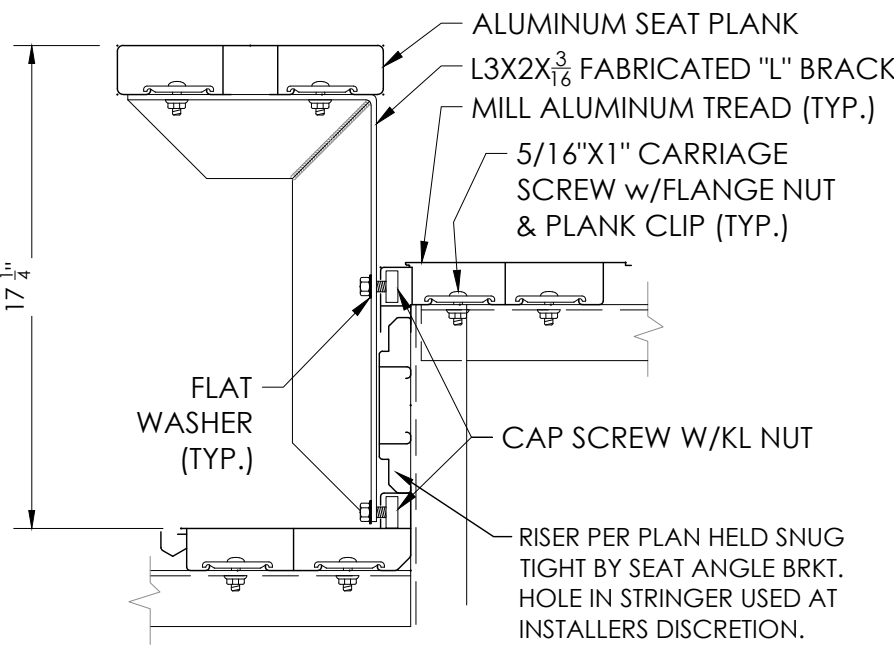
DATE: 05/05/22  
JOB NUMBER: #21369  
SHEET: B46 OF B47

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

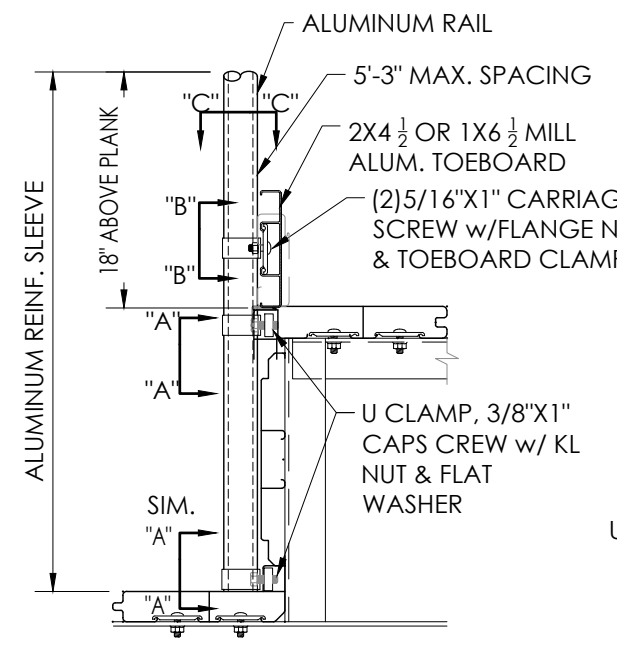




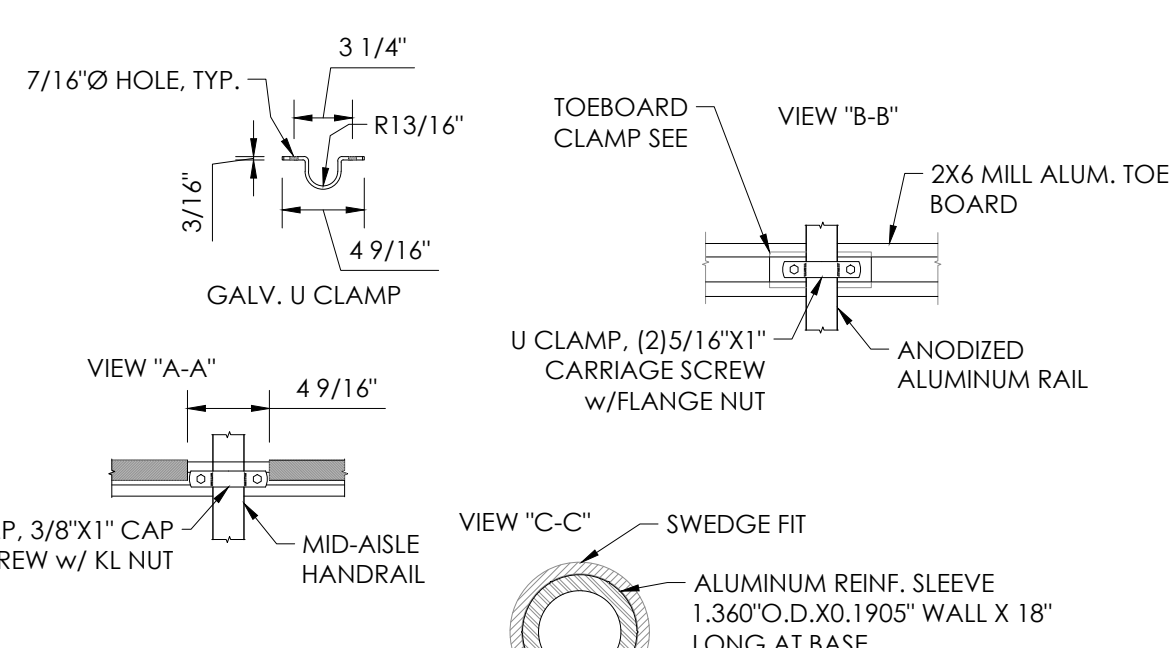
1 "T" BRACKET DETAIL  
B47 NOT TO SCALE



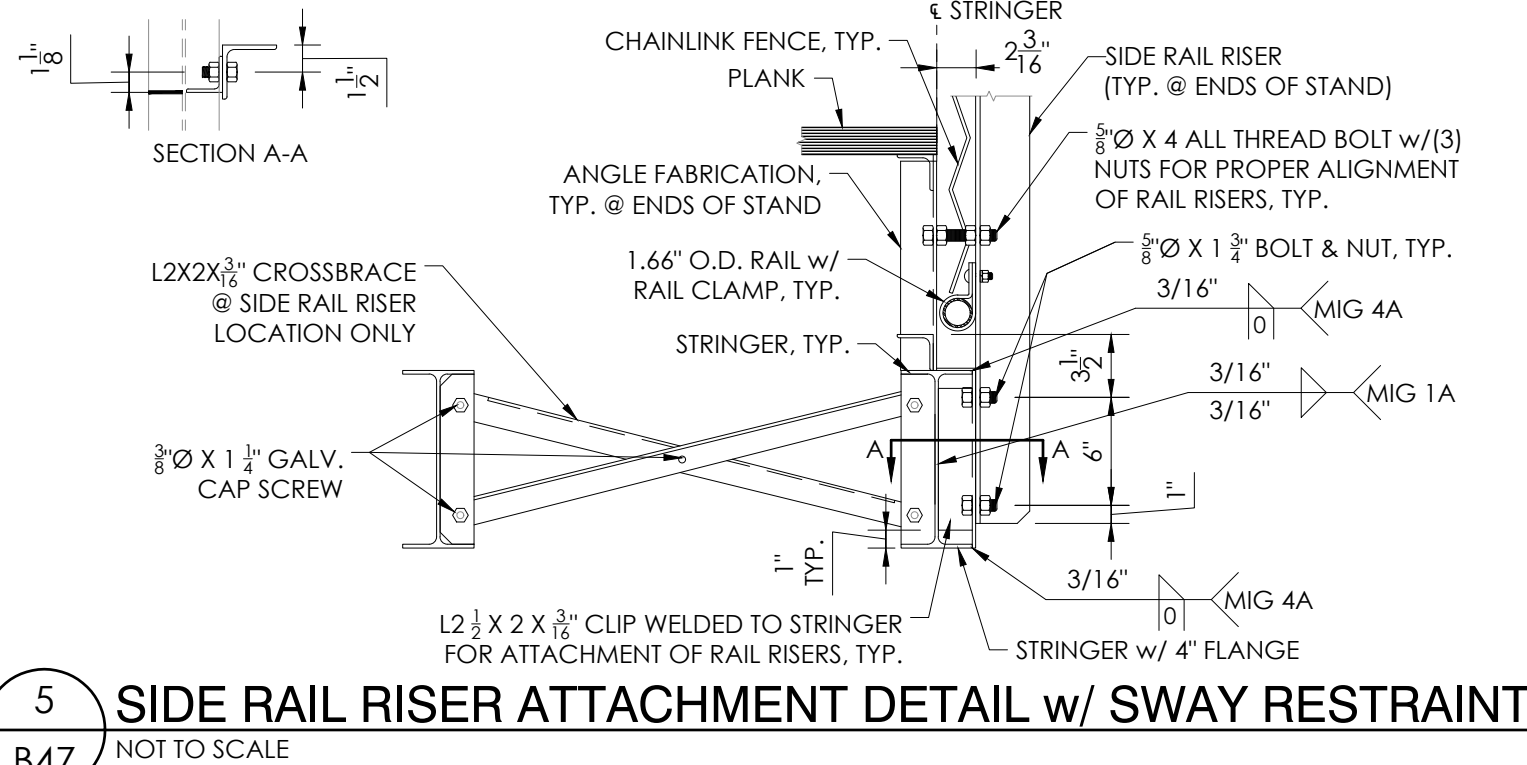
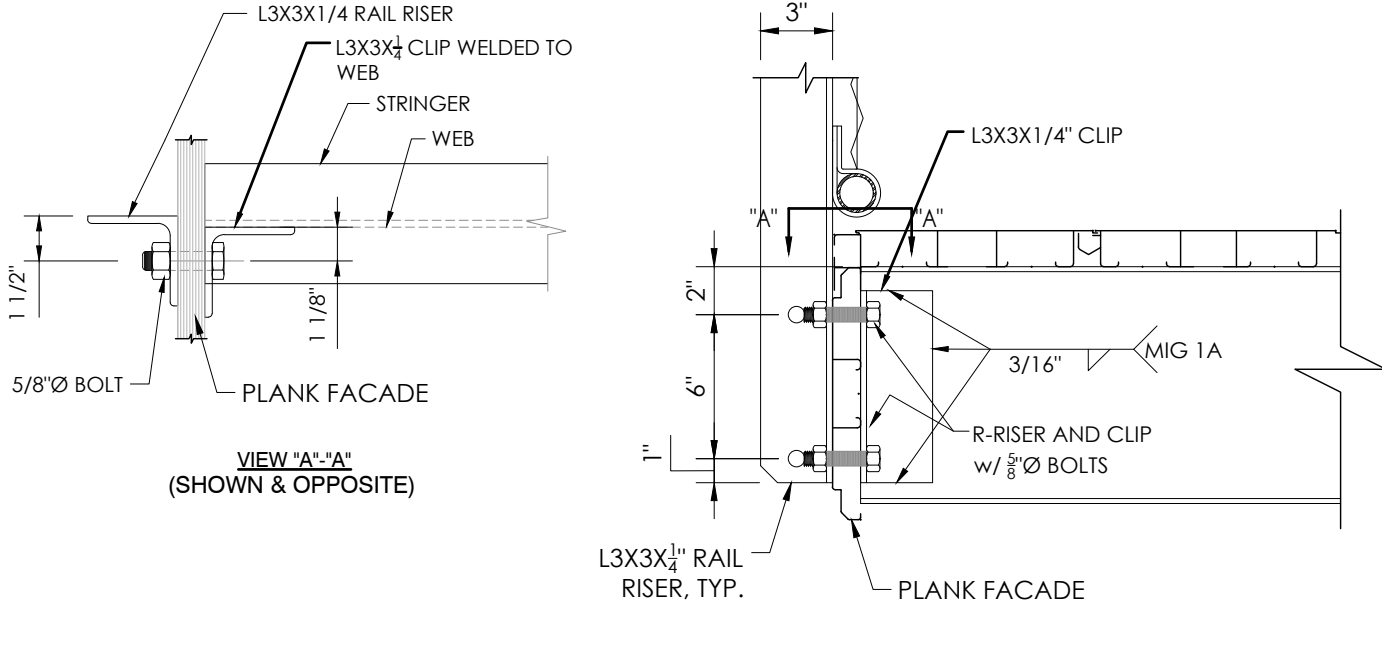
2 "L" BRACKET DETAIL  
B47 NOT TO SCALE



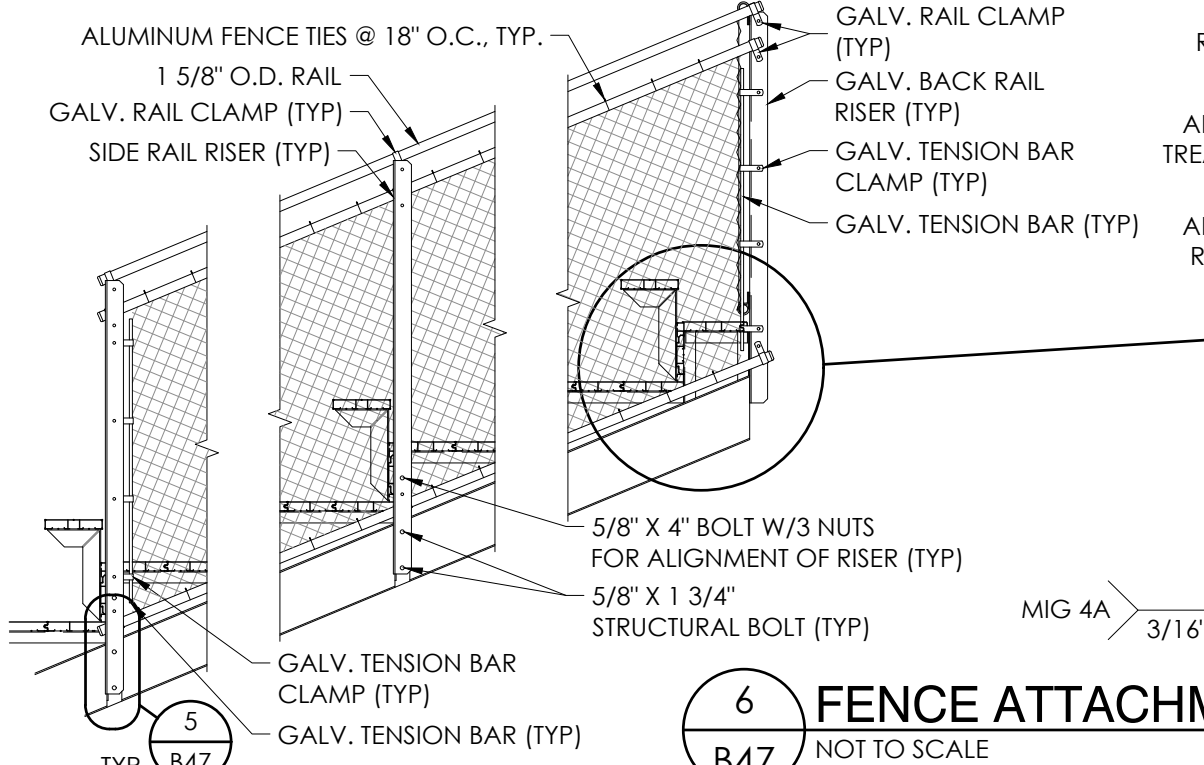
3 RAIL ATTACHMENT DETAIL  
B47 NOT TO SCALE



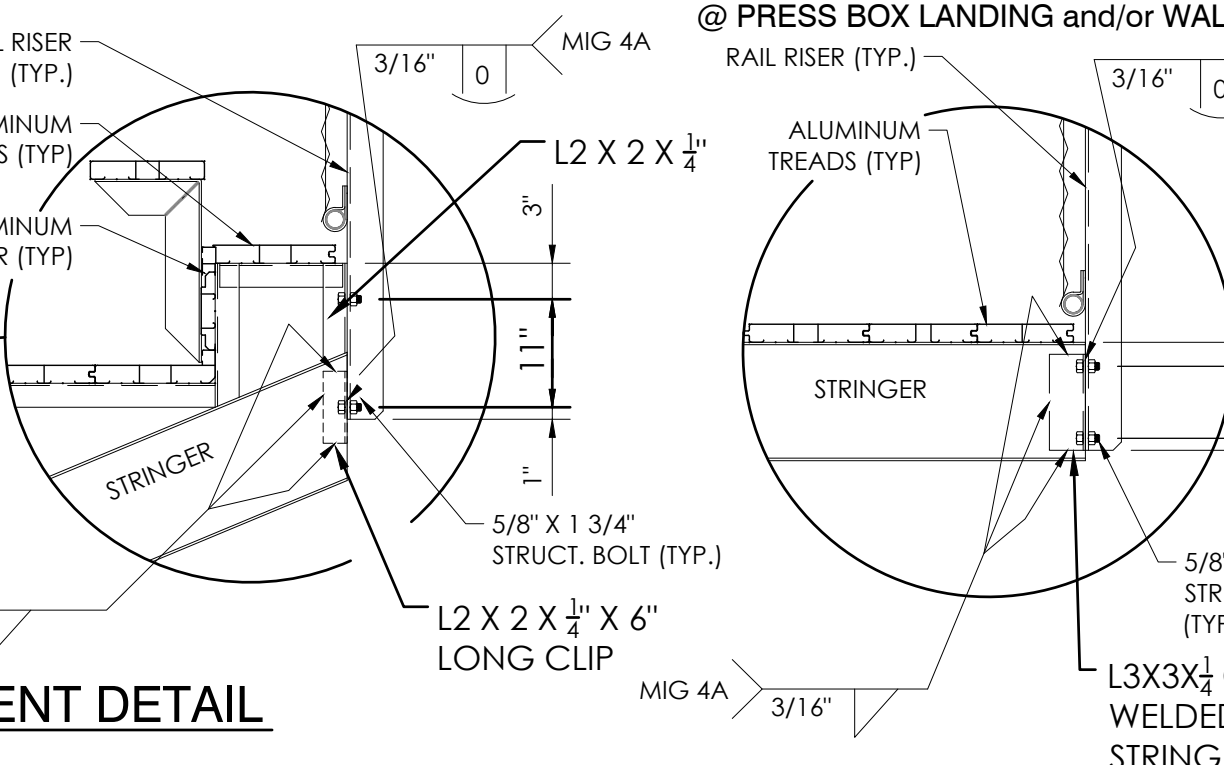
4 FRONT RISER ATTACHMENT DETAIL  
B47 NOT TO SCALE



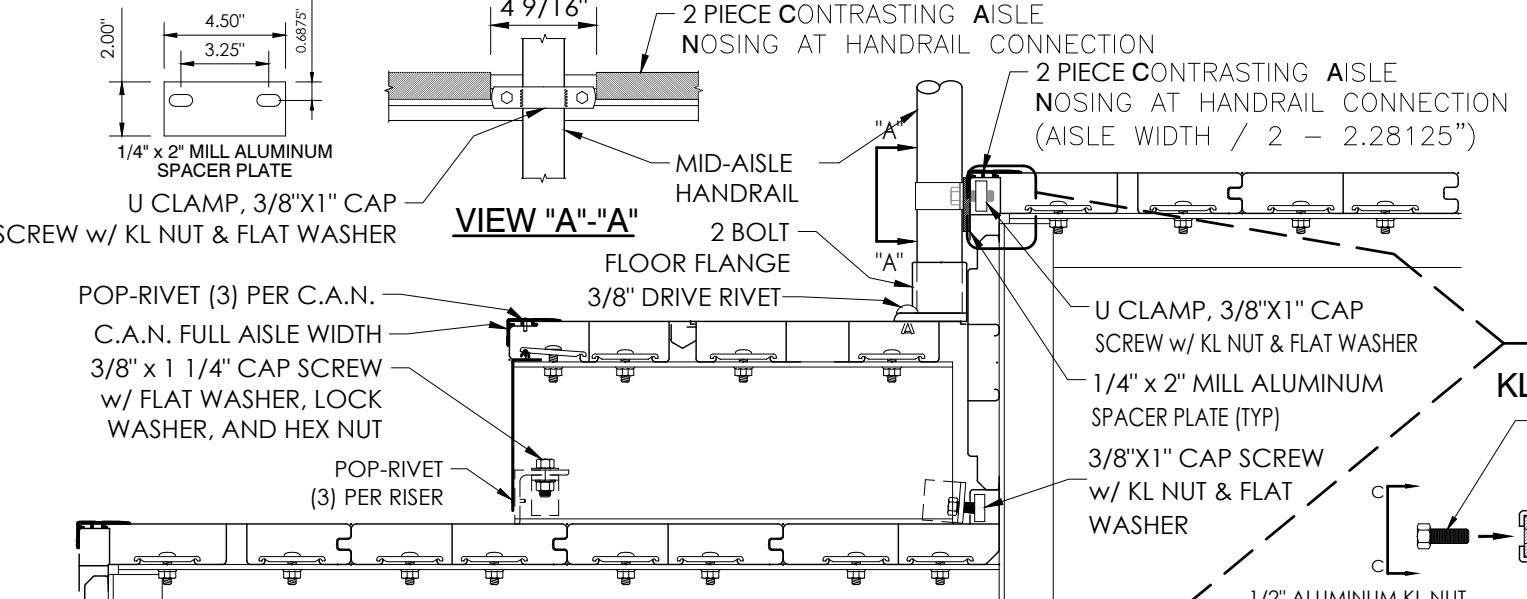
5 SIDE RAIL RISER ATTACHMENT DETAIL w/ SWAY RESTRAINT  
B47 NOT TO SCALE



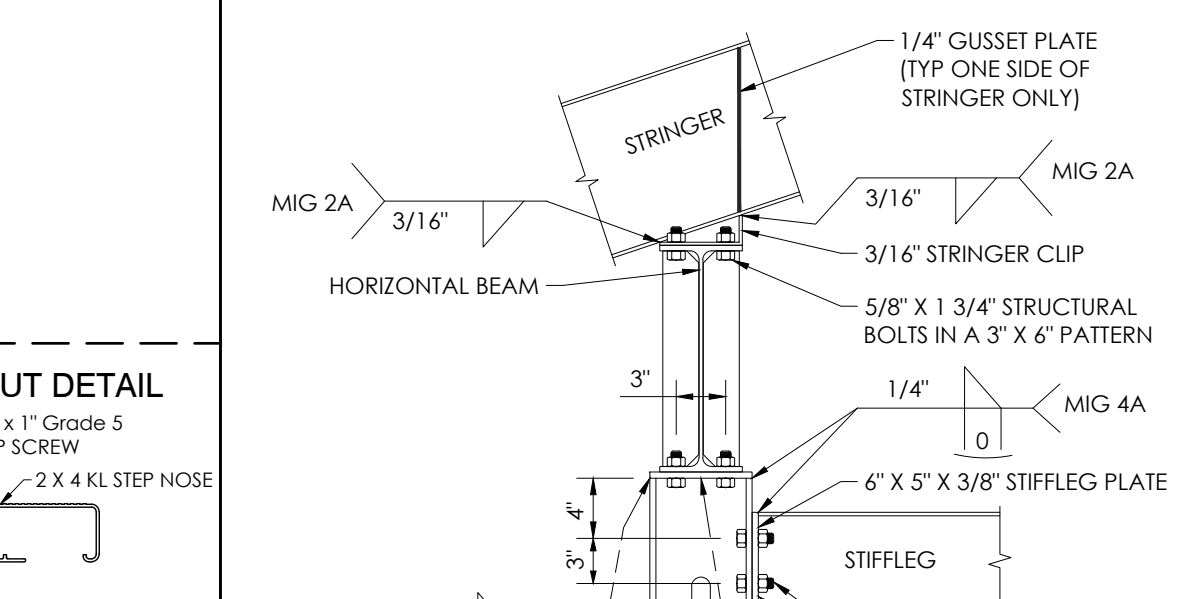
6 FENCE ATTACHMENT DETAIL  
B47 NOT TO SCALE



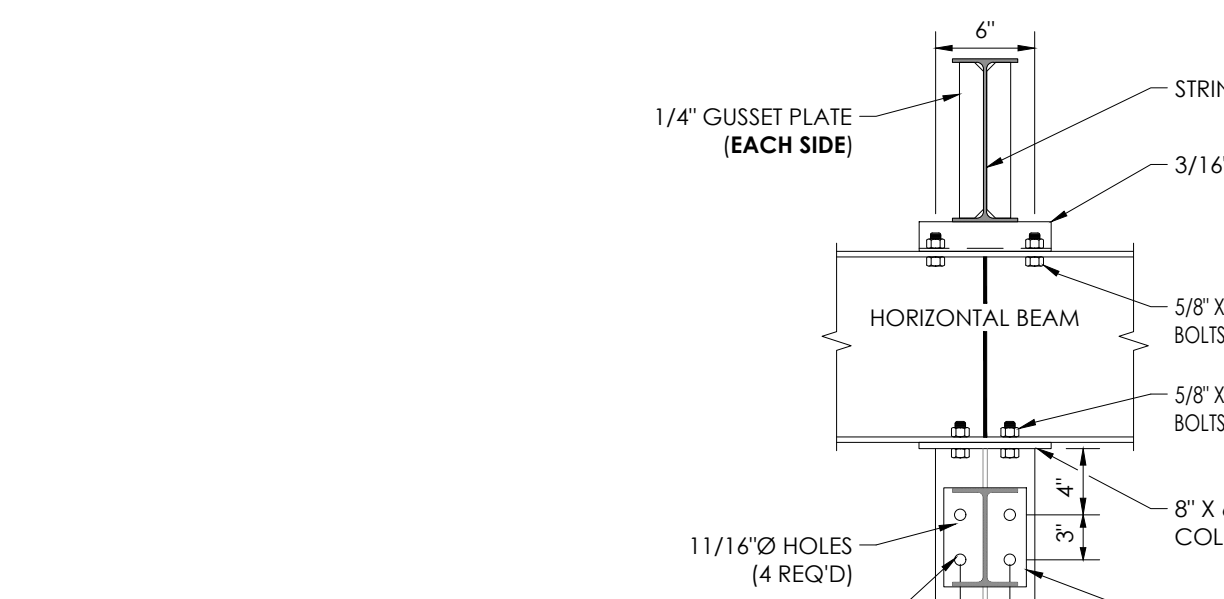
7 END EXIT MID-SPAN SUPPORT  
B47 NOT TO SCALE



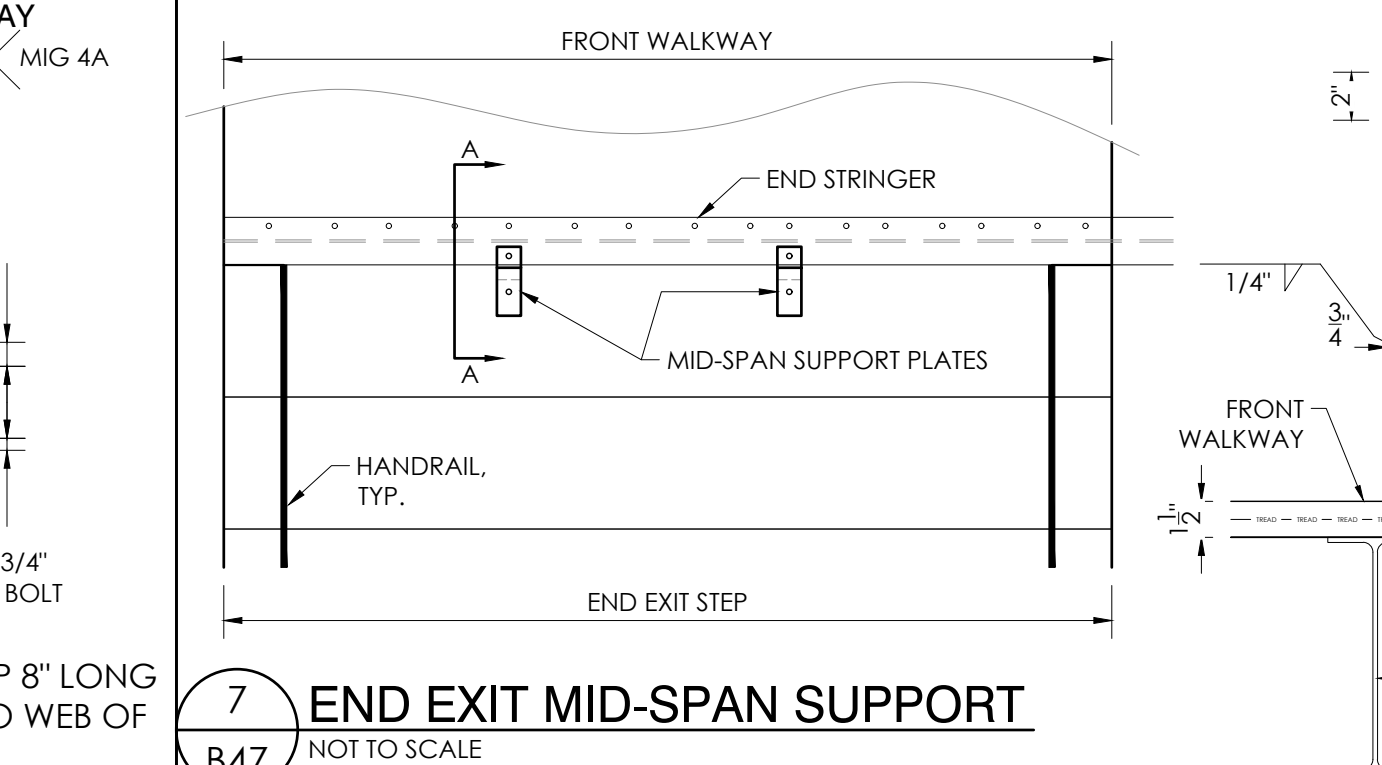
8 TONGUE & GROOVE 2001 HALF STEP & HANDRAIL ATTACHMENT DETAIL  
B47 NOT TO SCALE



9 STIFFLEG ATTACHMENT DETAIL  
B47 NOT TO SCALE



10 STIFFLEG ATTACHMENT DETAIL  
B47 NOT TO SCALE



10 STIFFLEG ATTACHMENT DETAIL  
B47 NOT TO SCALE

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Exp. 06/30/23  
STATE OF CALIFORNIA  
06/12/22  
PRINCIPAL

GRANDSTAND DETAILS  
HOME & VISITOR

PALOMAR COMMUNITY COLLEGE  
PALOMAR COMMUNITY COLLEGE DISTRICT  
SAN MARCOS, CALIFORNIA

REVISIONS  
REV. NO. DATE DESCRIPTION

DATE: 05/05/22  
DRAWN: SMR  
CHECKED: DMC

JOB NUMBER: #21369

SHEET: B47 OF B47

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