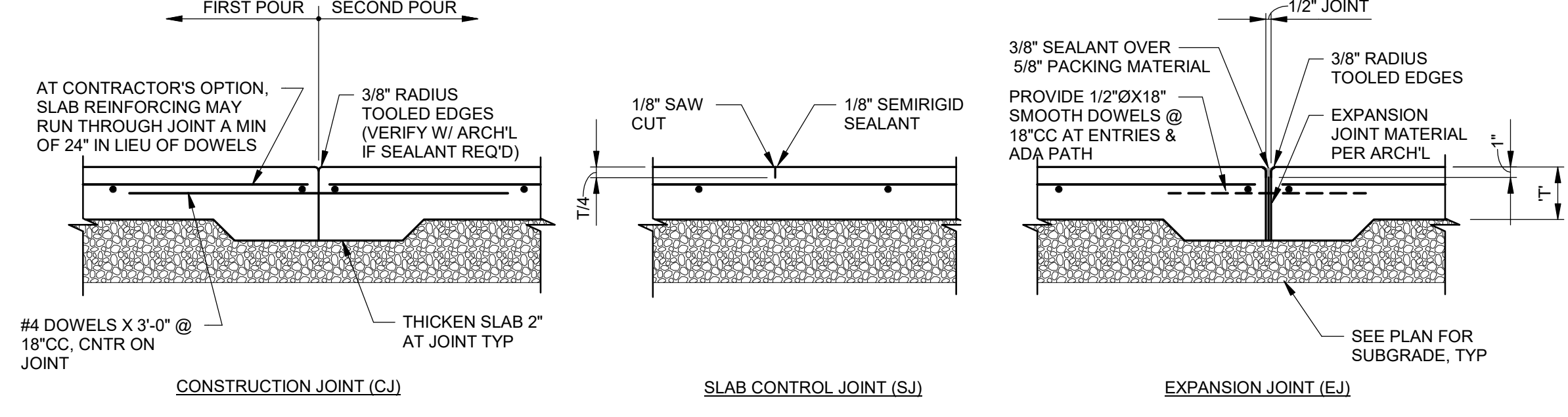






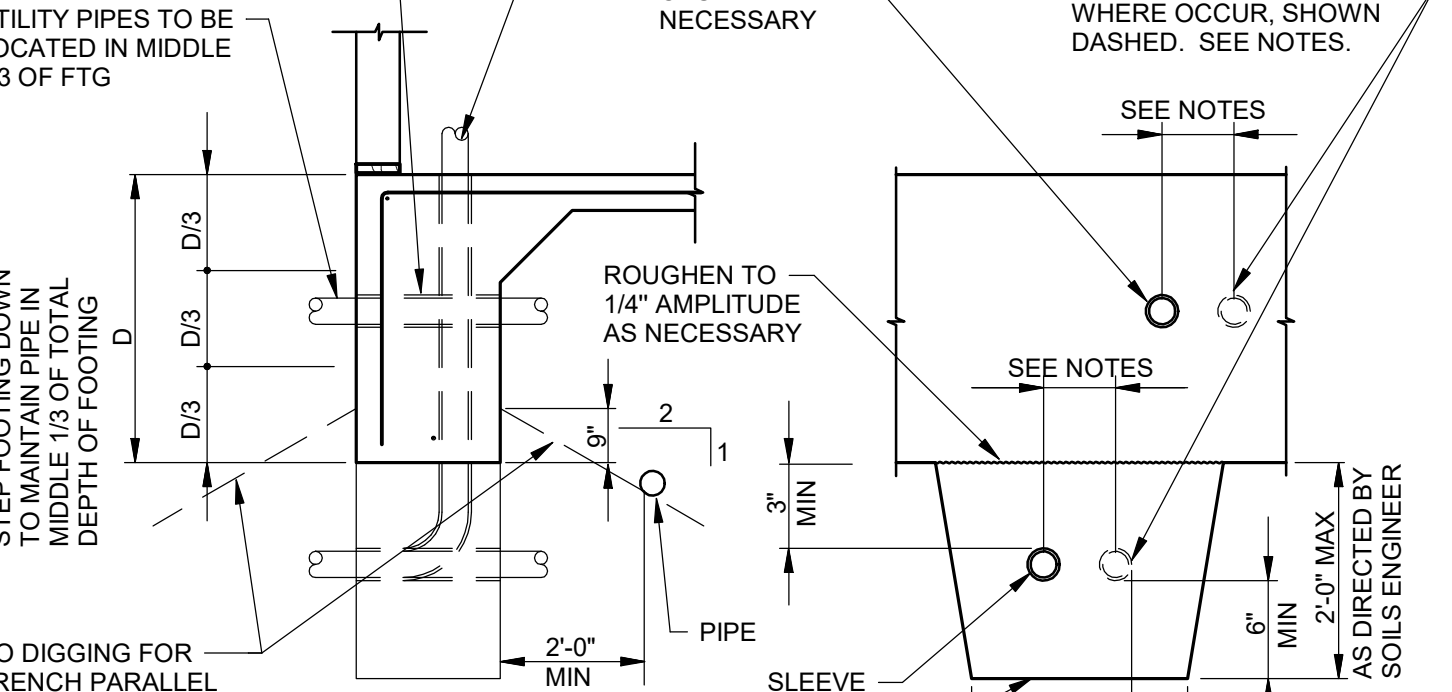
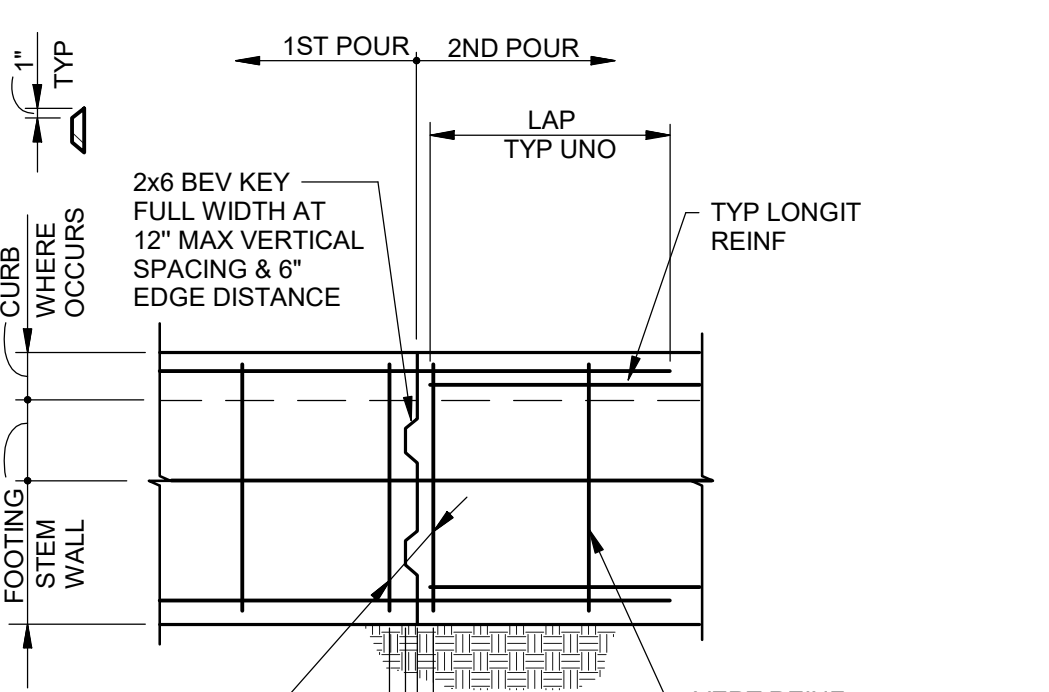
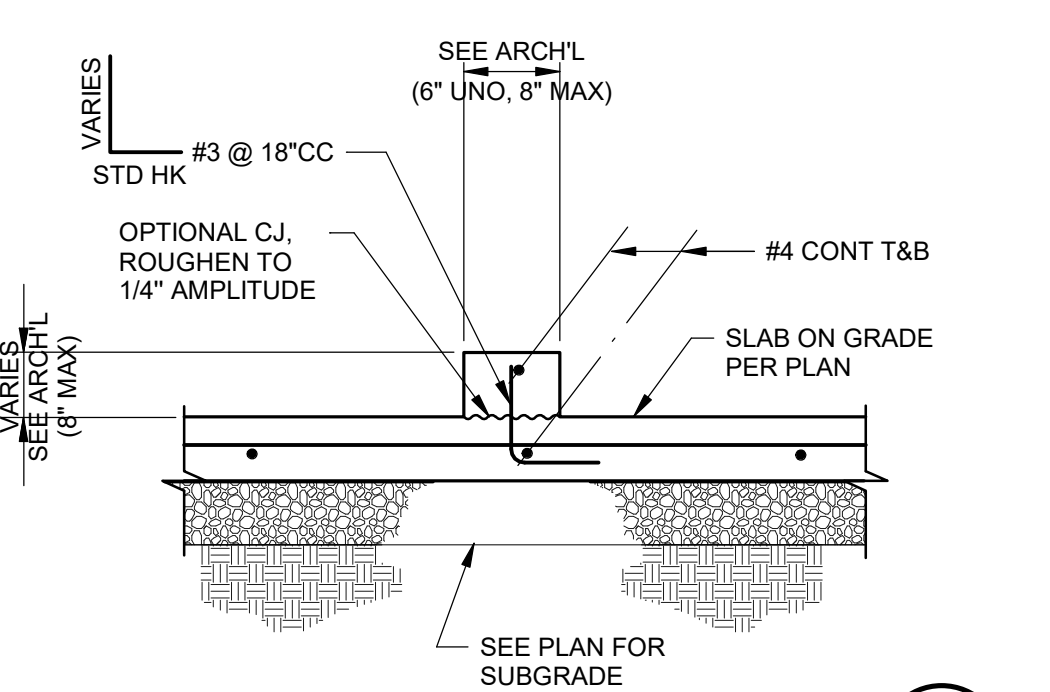
# TYPICAL DETAILS

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

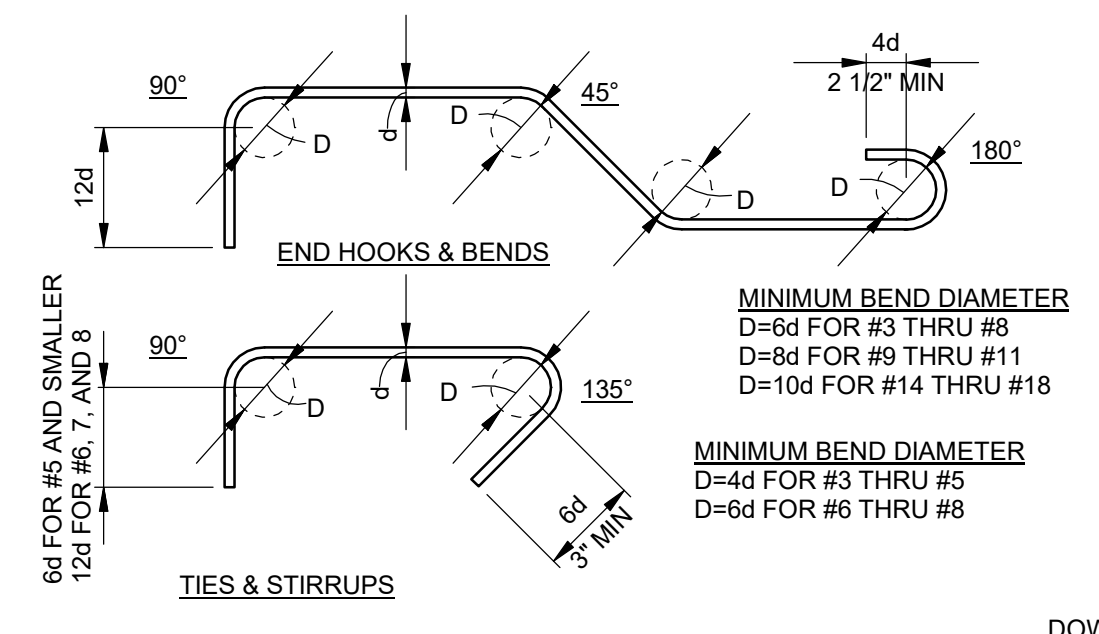


- NOTE:**
- CONSTRUCTION JOINTS AND CONTROL JOINTS SHALL DIVIDE SLAB INTO AREAS NOT EXCEEDING 225 SQ FT WITH REINFRANT CORNERS AND WITH LENGTH TO WIDTH RATIOS NOT EXCEEDING 1 1/2 TO 1. JOINT SPACING SHALL NOT EXCEED 15 FEET IN EITHER DIRECTION.
  - CONTRACTOR SHALL SUBMIT LAYOUT PLAN SHOWING PROPOSED CONTROL AND CONSTRUCTION JOINT LOCATIONS TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW & APPROVAL.
  - SEMIRIGID SEALANT TO BE EUCLID EUCO #700 OR EQUAL.

**SLAB ON GRADE JOINTS** PS-S-0.3

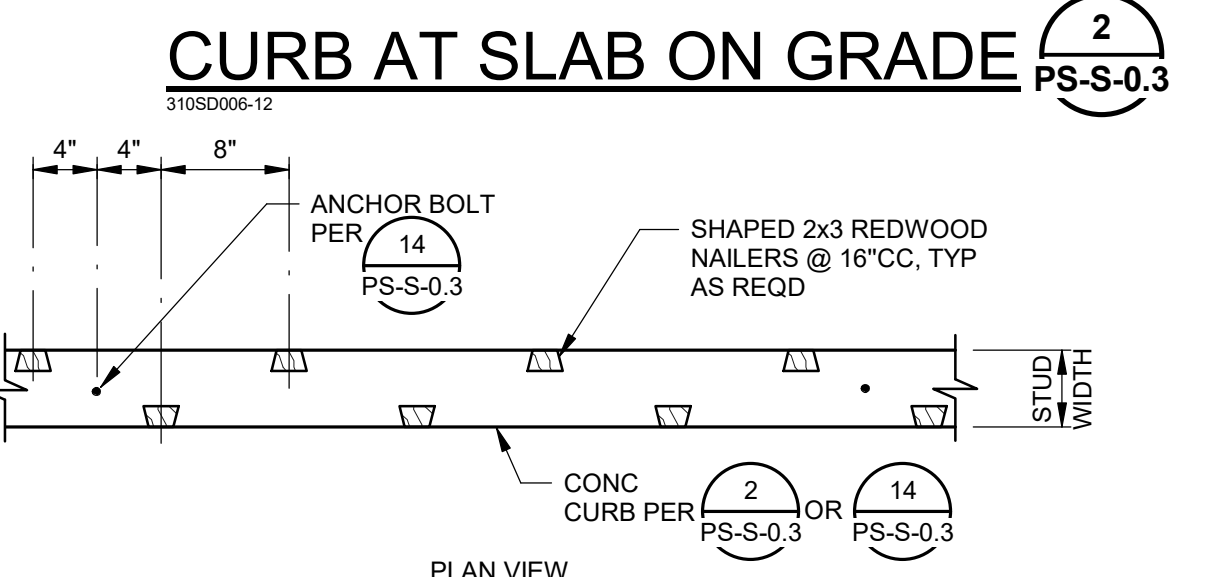


- NOTES:**
- REINFORCING SHALL NOT BE INTERRUPTED, CUT OR DISPLACED BY PLACEMENT OF UTILITY PIPE.
  - LEAN MIX CONCRETE FILL TO BE PLACED BEFORE FTG IS CAST (MONO-POUR FTG CONC OPTIONAL). MAKE SAME WIDTH AS FTG AND FULL WIDTH OF PIPE TRENCH.
  - STEP FTG IF PIPE OCCURS IN LOWER THIRD OF ORIGINAL FOOTING DEPTH.
  - NO PIPES SHALL BE PLACED BELOW SPREAD FTGS OR WITHIN 2' TO 1' BEARING ZONE AROUND SPREAD FOOTING.
  - IF PIPE IS IN PLACE PRIOR TO CASTING CONCRETE, WRAP PIPE W/ 1" STYROFOAM INSULATION IN LIEU OF SLEEVE.
  - UTILITY PIPES ARE NOT ALLOWED PARALLEL IN FOOTING.
  - MULTIPLE UTILITY PIPES (TWO OR MORE) MAY BE INSTALLED AS SHOWN @ LEFT, PROVIDED THEY ARE SPACED A MINIMUM OF 4 PIPE/CONDUIT DIAMETERS ON CENTER WITH A MINIMUM OF 3" OF CONCRETE BETWEEN PIPE DIAMETER INDICATED IS THE ROUGH HOLE SIZE THRU FOOTING.
  - UTILITY PIPES RISERS MAY OCCUR IN CONTINUOUS WALL FOOTINGS PROVIDED THEY ARE NO LARGER THAN (FOOTING WIDTH) AND OCCUR WITHIN THE MIDDLE 1/2 OF THE FOOTING WIDTH. MULTIPLE RISERS MAY OCCUR IF SPACED AS NOTED @ LEFT.
  - UTILITY PIPES PERPENDICULAR TO FOOTINGS AND MORE THAN 2'-0" BELOW BOTTOM OF FOOTINGS DO NOT REQUIRE LEAN-MIX CONCRETE ENCASEMENT SUBJECT TO ACCEPTANCE OF THE SOILS ENGINEER.
  - CONDITIONS NOT CONFORMING TO THE PARAMETERS NOTED ABOVE SHALL BE REVIEWED ON A CASE-BY-CASE BASIS.

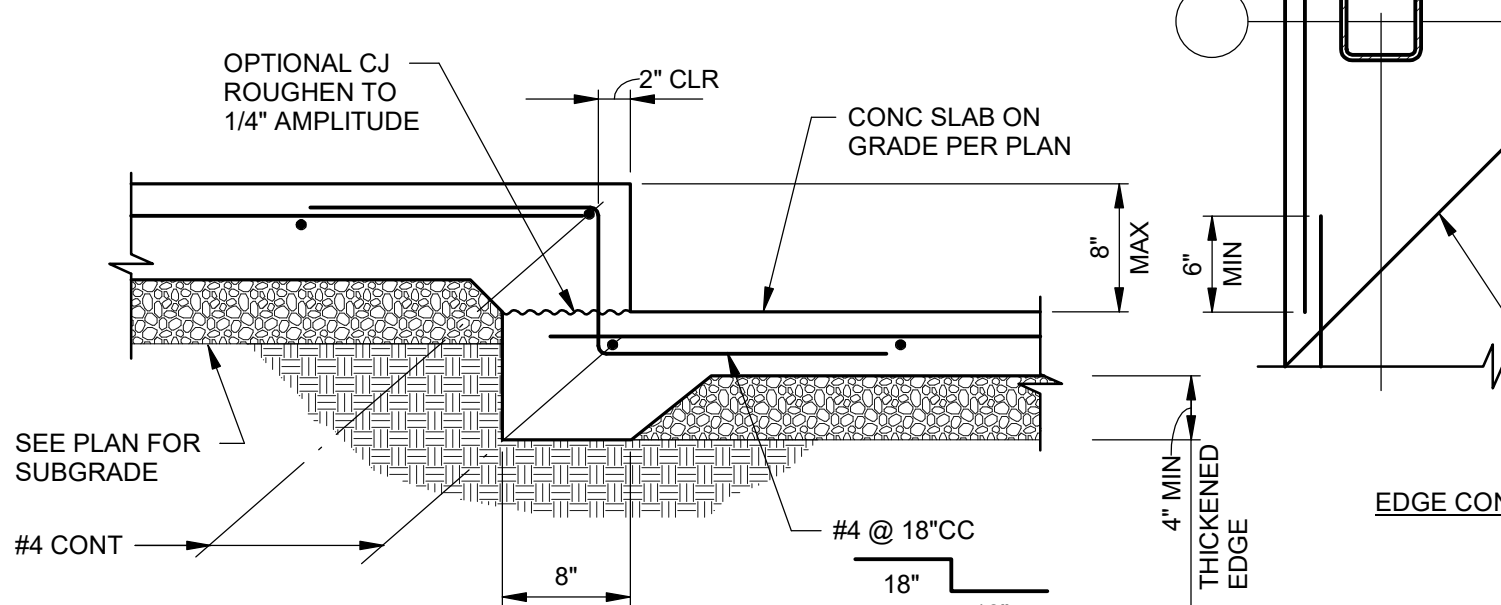


**NOTE:** ALL HOOKS SHALL BE 90° OR 180° STANDARD HOOKS UNLESS OTHERWISE SHOWN OR NOTED.

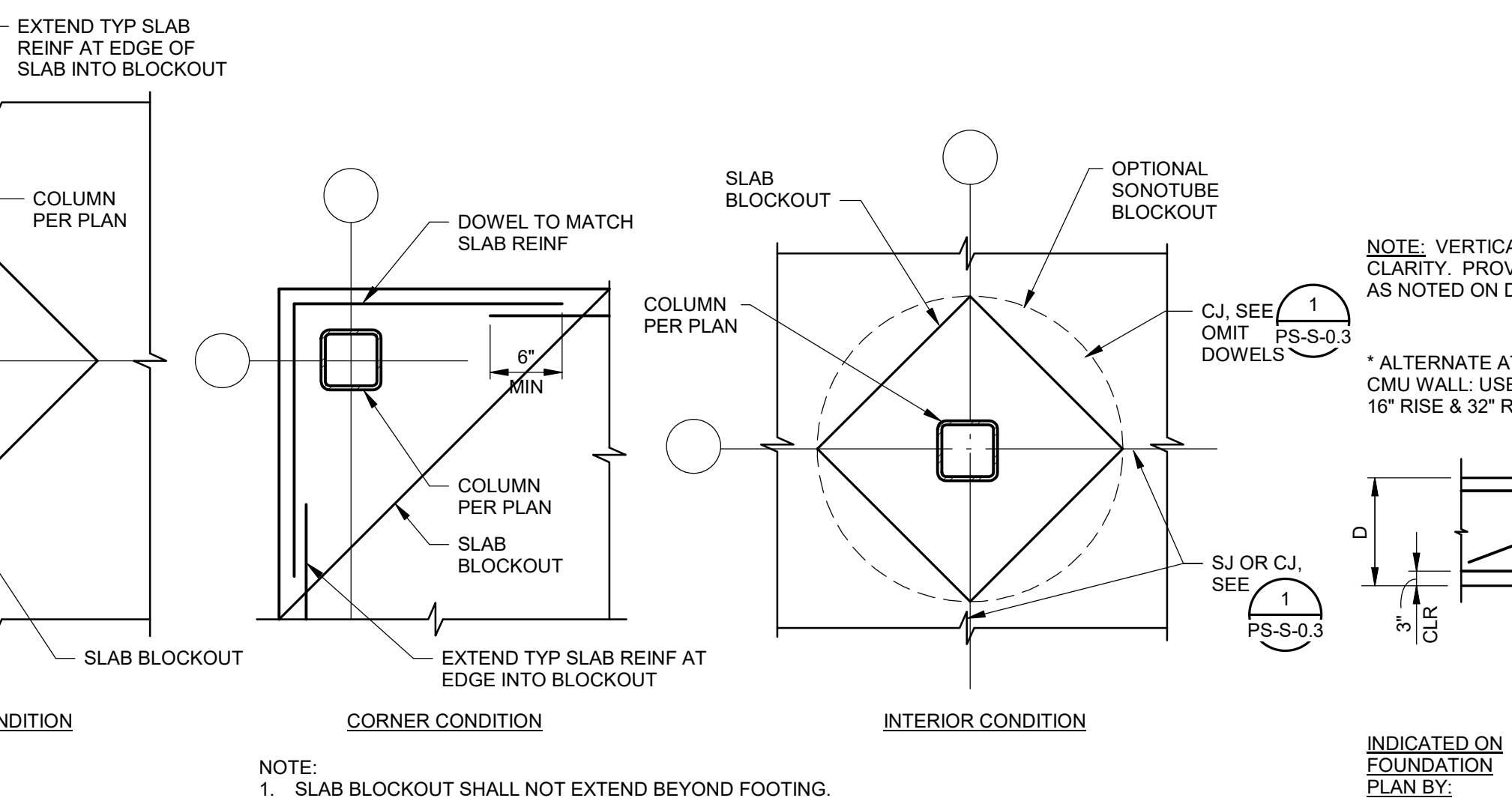
**STANDARD REBAR HOOKS AND BENDS** PS-S-0.3



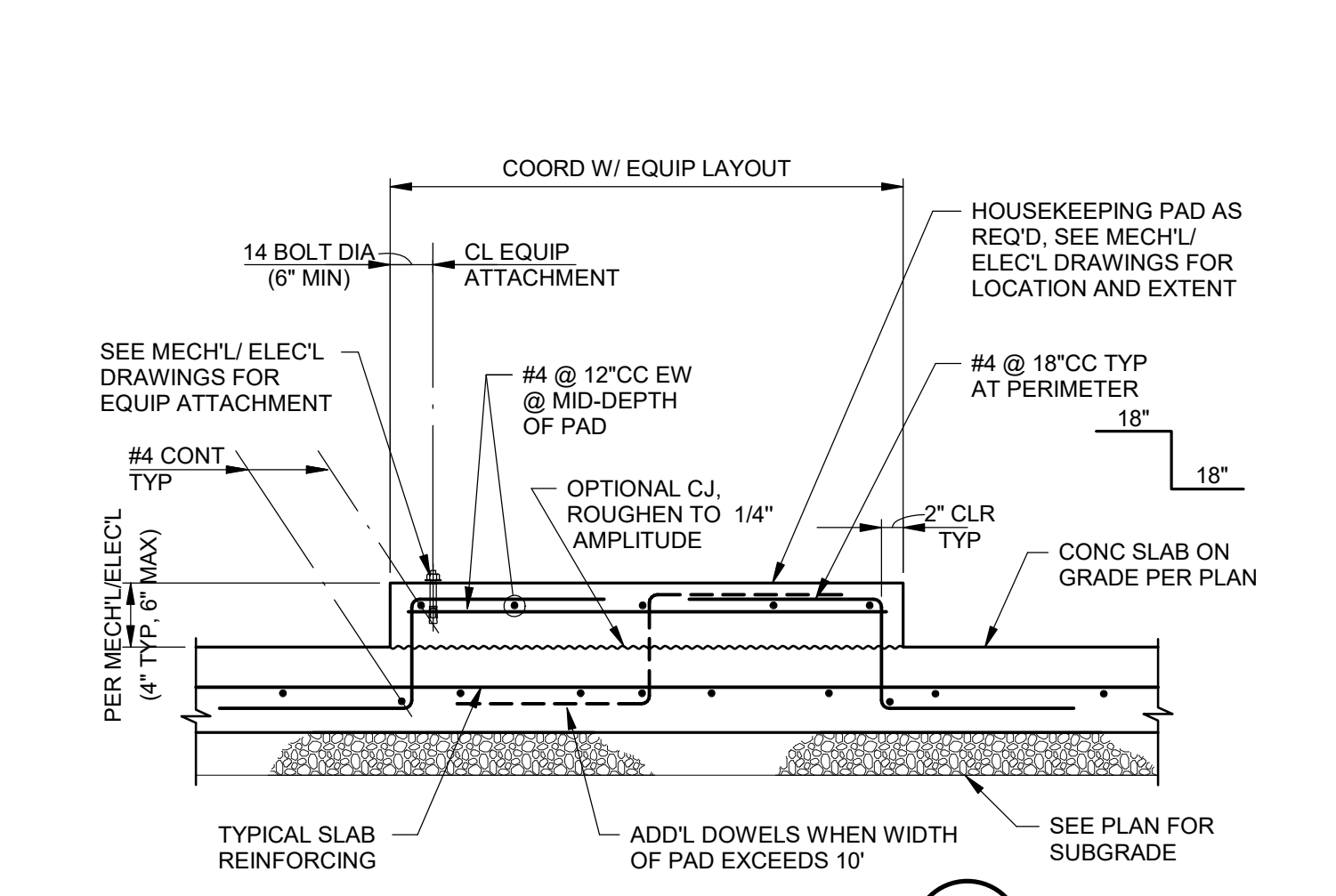
**NAILERS IN CONCRETE CURB** PS-S-0.3



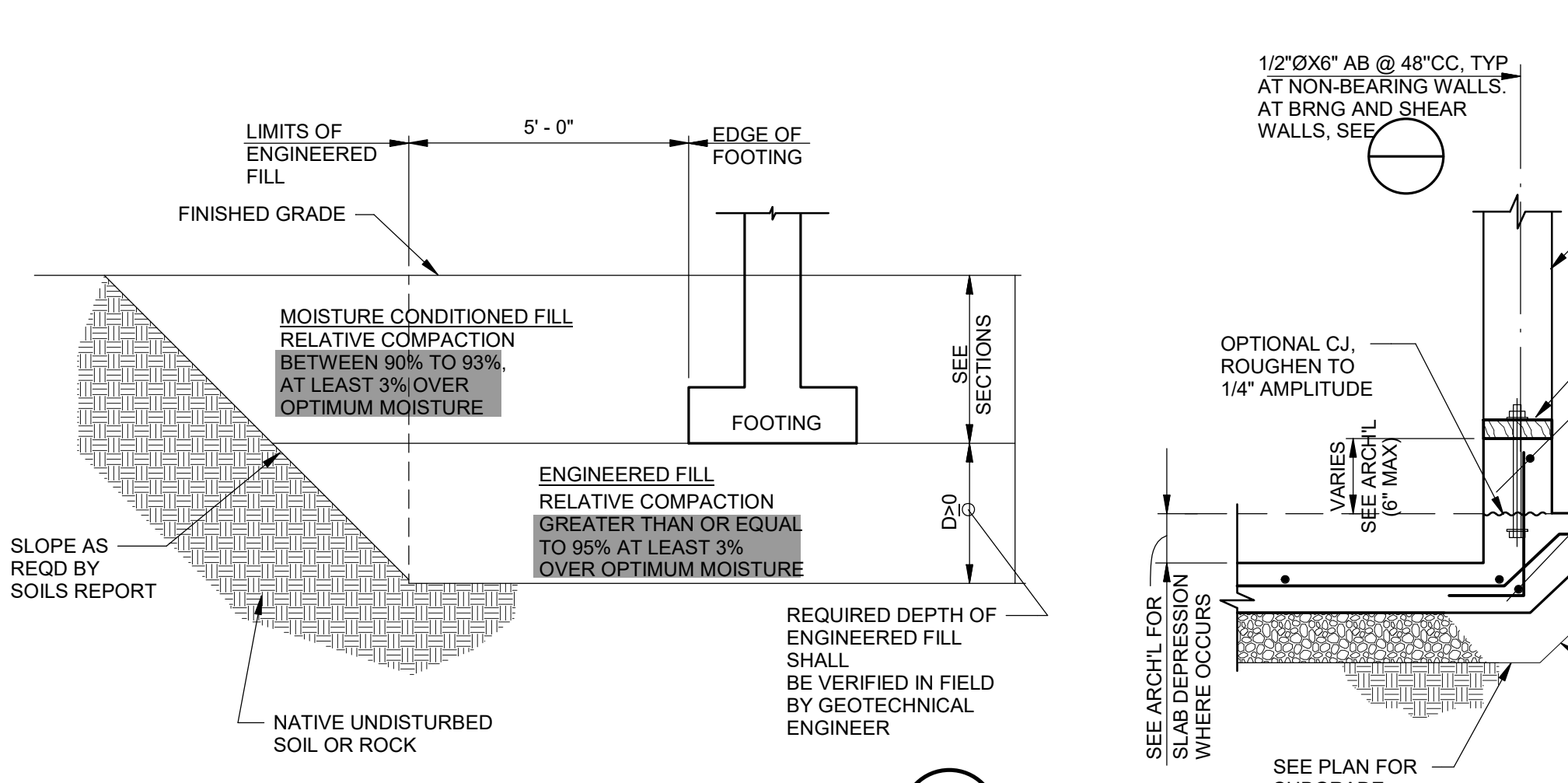
**STEP IN SLAB** PS-S-0.3



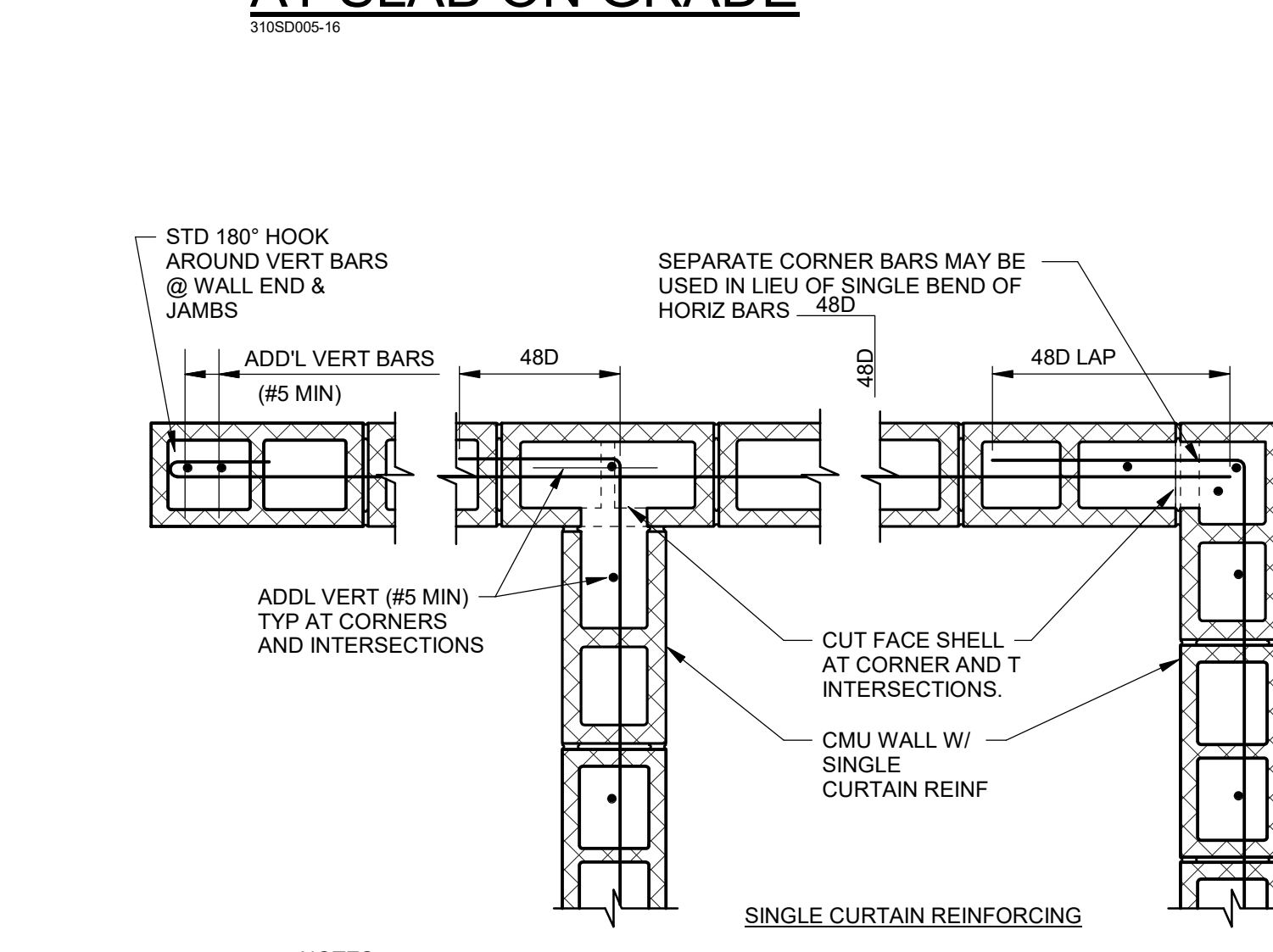
**SLAB BLOCKOUT** PS-S-0.3



**HOUSEKEEPING PAD AT SLAB ON GRADE** PS-S-0.3

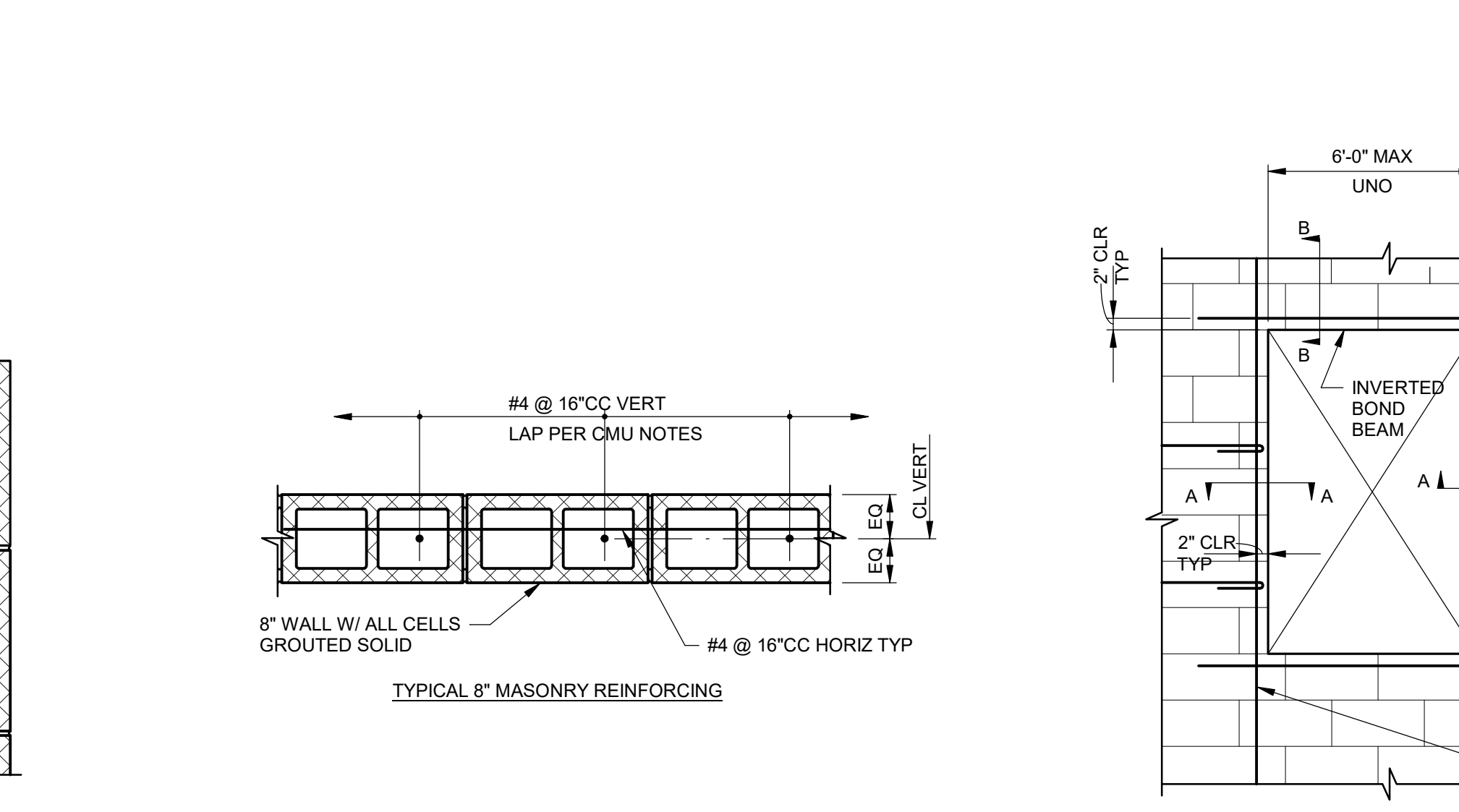


**ENGINEERED FILL SECTION** PS-S-0.3



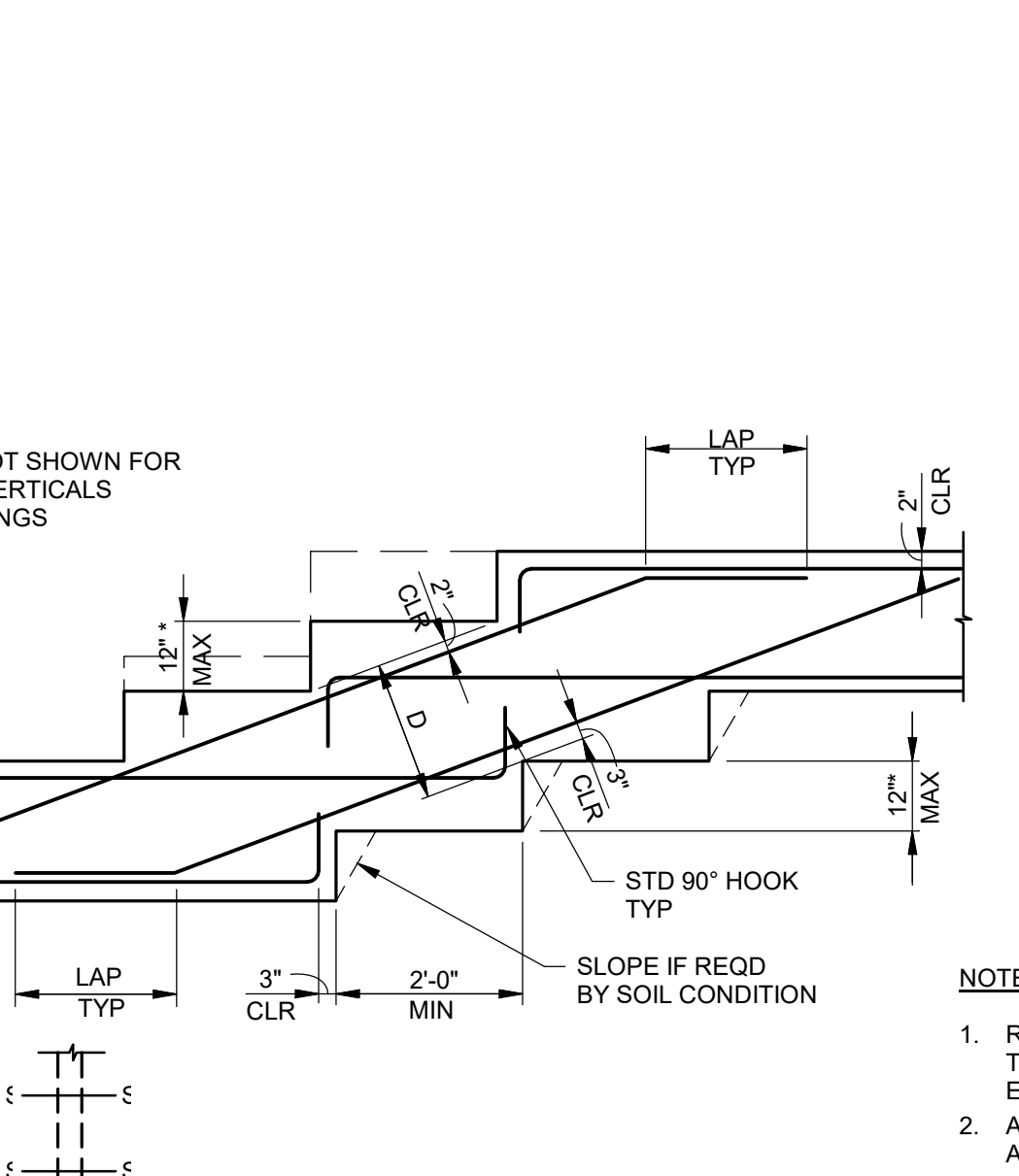
- NOTES:**
- CMU UNITS SHALL BE PLACED IN COMMON BOND U.N.O.
  - LAP ALL VERTICAL BARS WITH MATCHING DOWELS AT FOOTINGS.
  - FOR TYPICAL REINFORCING, SEE 17 PS-S-0.3

**TYPICAL BLOCK WALL REINFORCING AT CORNERS AND INTERSECTIONS** PS-S-0.3

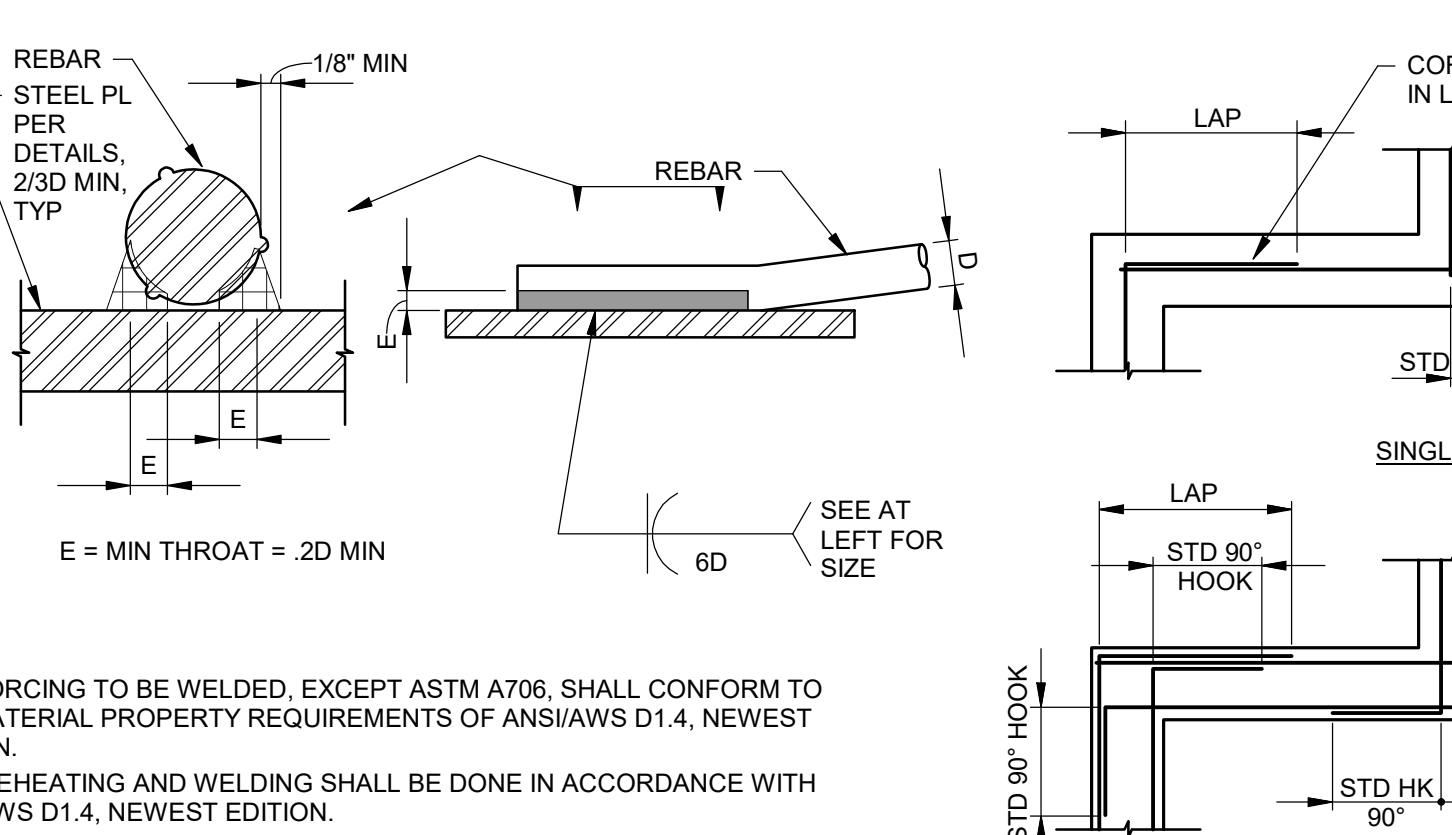


- NOTE:** PROVIDE DOWELS @ FOOTINGS TO MATCH VERTICAL BARS IN SIZE AND LOCATION - LAP SPLICE WITH VERTICAL BARS PER CMU NOTES.

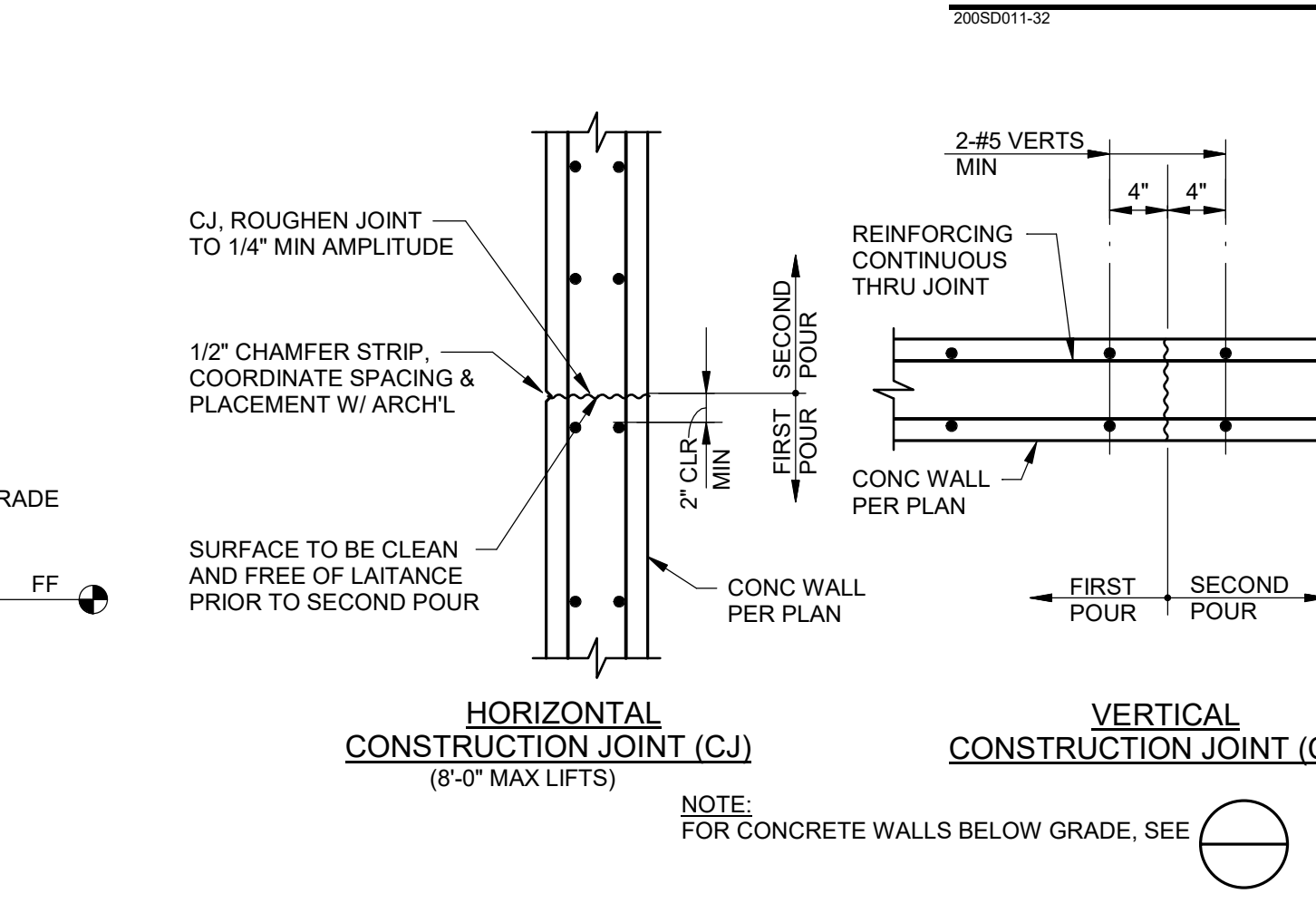
**TYPICAL BLOCK WALL REINFORCING** PS-S-0.3



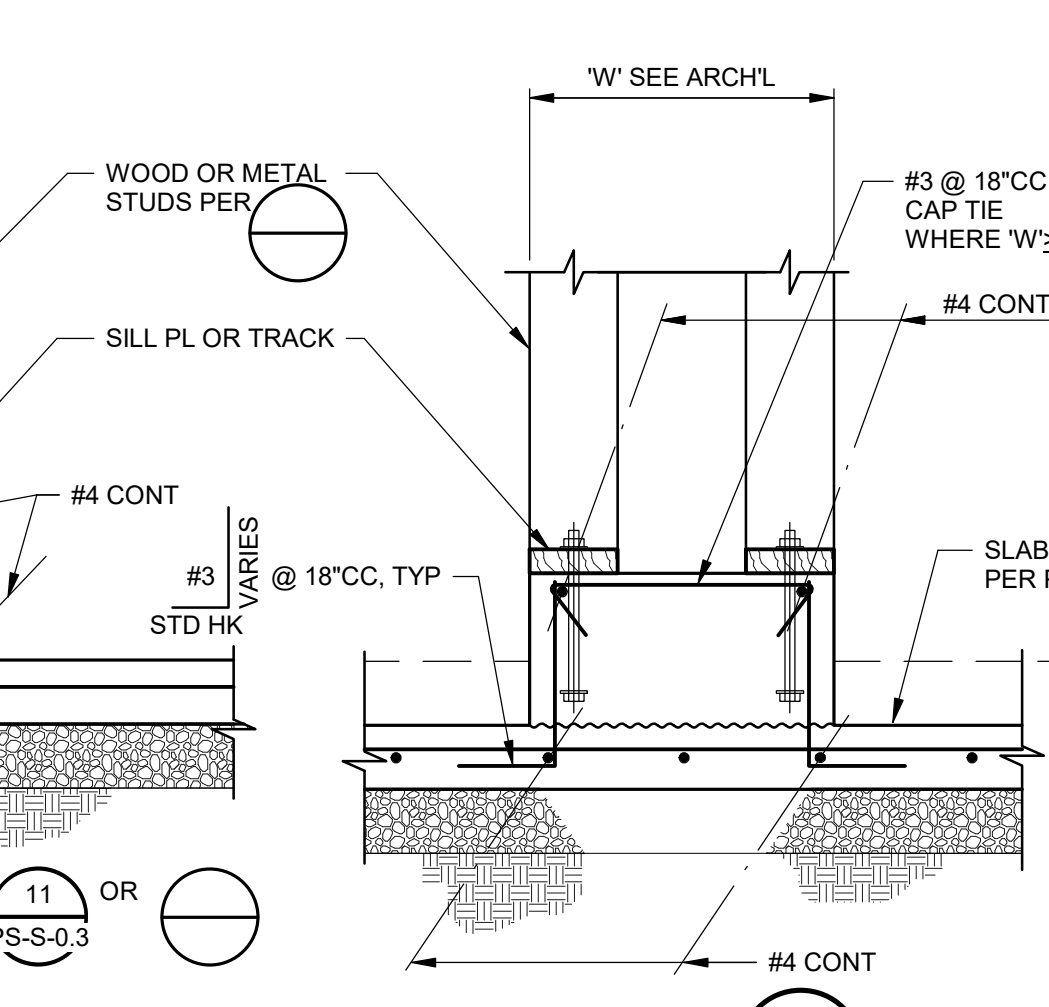
**TYPICAL FOOTING STEP** PS-S-0.3



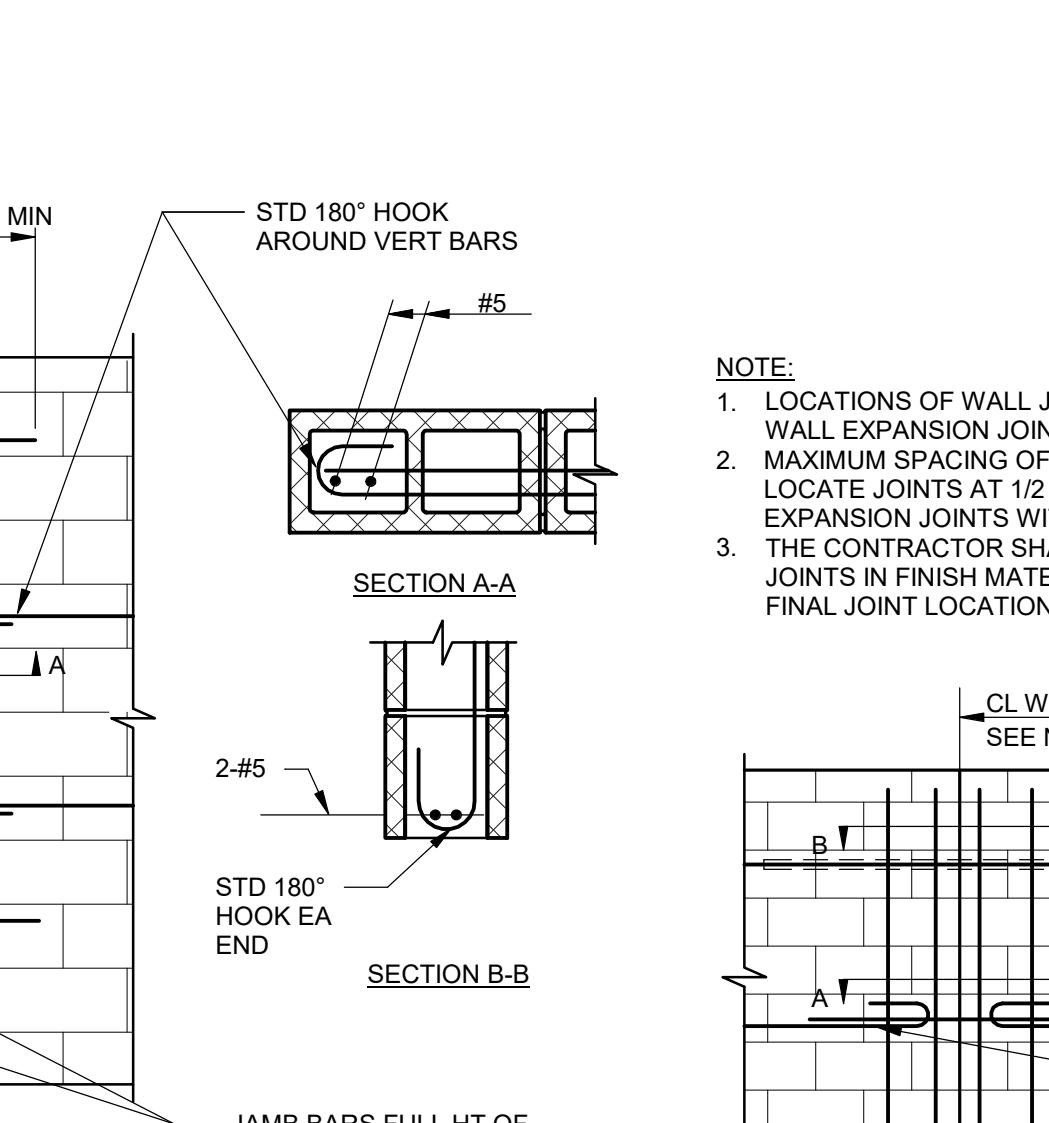
**REBAR WELDING** PS-S-0.3



**CONCRETE WALL JOINTS** PS-S-0.3

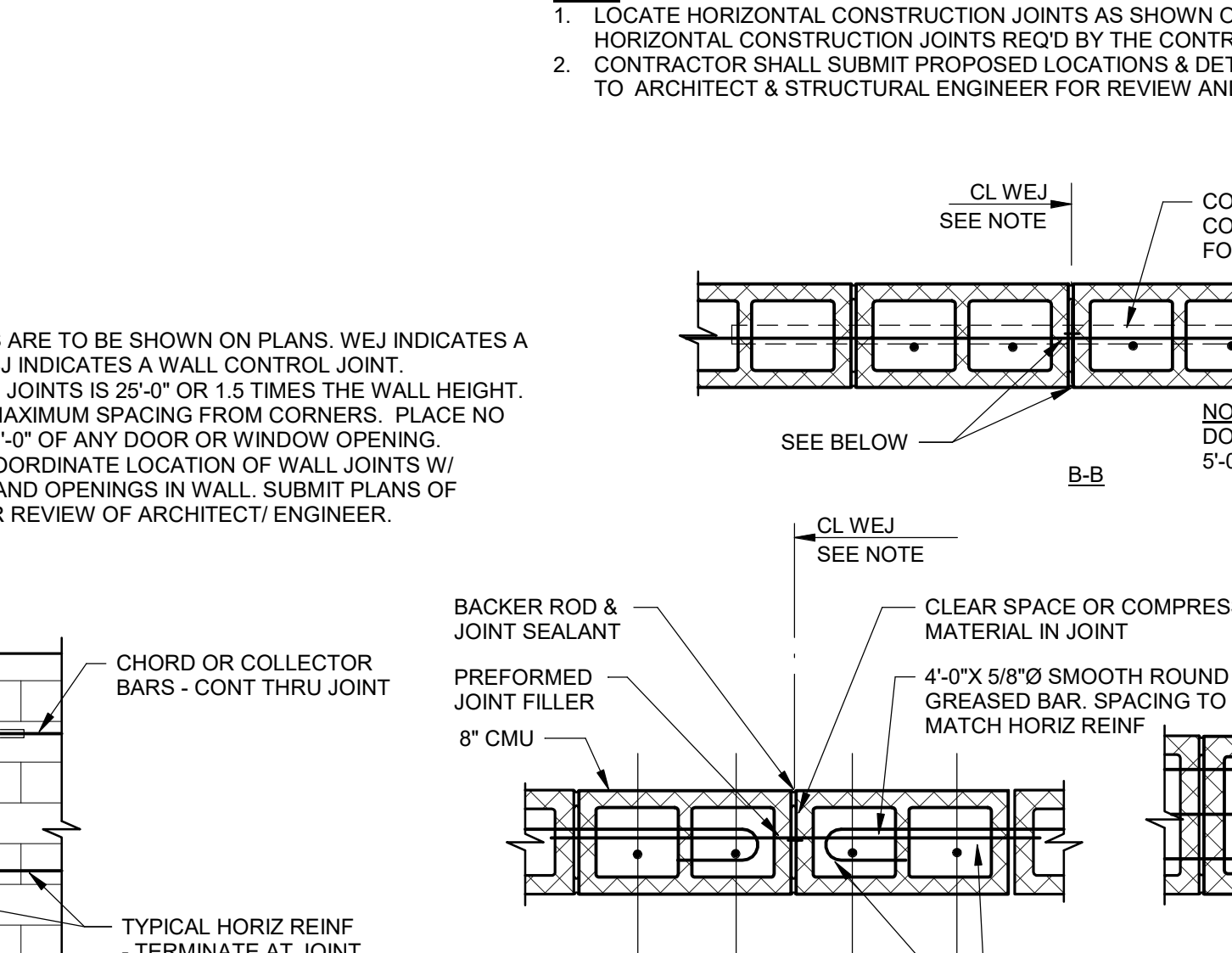


**CURB AT SLAB DEPRESSION** PS-S-0.3

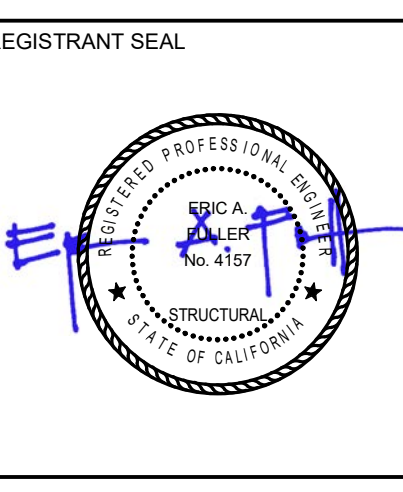


- NOTE:**
- LOCATIONS OF WALL JOINTS ARE TO BE SHOWN ON PLANS. WEJ INDICATES A WALL EXPANSION JOINT W/CL INDICATES A WALL CONTROL JOINT.
  - MAXIMUM SPACING OF WALL JOINTS IS 25'-0" OR 1.5 TIMES THE WALL HEIGHT. LOCATE JOINTS AT 1/2 THE MAXIMUM SPACING FROM CORNERS. PLACE NO EXPANSION JOINTS WITHIN 2'-0" OF ANY DOOR OR WINDOW OPENING.
  - THE CONTRACTOR SHALL COORDINATE LOCATION OF WALL JOINTS W/ JOINTS IN FINISH MATERIAL AND OPENINGS IN WALL. SUBMIT PLANS OF FINAL JOINT LOCATIONS FOR REVIEW OF ARCHITECT'S ENGINEER.

**TYPICAL BLOCK WALL EXPANSION JOINT (WEJ)** PS-S-0.3

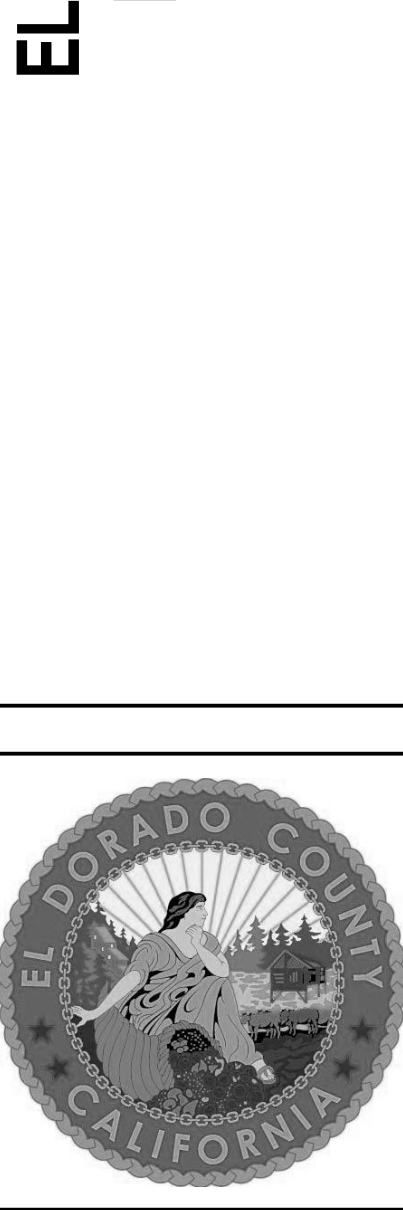


**OPENING REINFORCING AT CMU WALL OPENING** PS-S-0.3



2024 Opportunity Drive, Suite 150  
 Roseville, California 95678  
 Telephone: (916) 538-7707  
 Fax: (888) 510-3055

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**200 INDUSTRIAL DRIVE**  
**DIAMOND SPRINGS, CA 95619**



NO.	REVISION	DATE

PROJECT NO.: 2017.033  
 DATE: 04-16-2018  
 DESIGNED BY: RJM  
 DRAWN BY: PVB  
 APPROVED BY: [Signature]  
 SHEET TITLE: TYPICAL DETAILS

**PS-S-0.3**

SHEET NUMBER: PS-S-0.3  
 18-0565 D 3 of 30

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# TYPICAL DETAILS

APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

C  
PS-S-0.4

## INTERIOR METAL STUD PARTITIONS

54282011-1

MAXIMUM HEIGHT FOR METAL STUDS WITH  
SDS = 0.75, IP = 1.0  
DEFLECTION LIMIT L/120 - NON BEARING WITH CABINET OR EQUIPMENT

DEPTH	GAGE	DESIGNATION <sup>3</sup>	HEIGHT
3 5/8"	20	362S162-33	17'-1"
3 5/8"	18	362S162-43	18'-6"
3 5/8"	16	362S162-54	20'-10"
3 5/8"	14	362S162-68	22'-7"
4"	20	400S162-33	18'-10"
4"	18	400S162-43	20'-11"
4"	16	400S162-54	22'-7"
4"	14	400S162-68	24'-7"
6"	20	600S162-33	25'-7"
6"	18	600S162-43	28'-8"
6"	16	600S162-54	32'-8"
6"	14	600S162-68	35'-10"
8"	20	800S162-33	29'-2"
8"	18	800S162-43	36'-11"
8"	16	800S162-54	42'-1"
8"	14	800S162-68	46'-10"

- STUDS SHALL BE DEPTH AS INDICATED ON ARCHL DRAWINGS AND GAGE AS DETERMINED BY HEIGHT OF WALL AND THE SCHEDULE ABOVE.
- SEE ELEVATIONS A, B, & C FOR TYPICAL WALL FRAMING CONDITIONS.
- DESIGNATION CONFORMS TO STEEL STUD MANUFACTURERS ASSOCIATION STANDARDS.
- FOR WALL SUPPORTING CABINET INSTALLATION SEE 16 PS-S-0.5

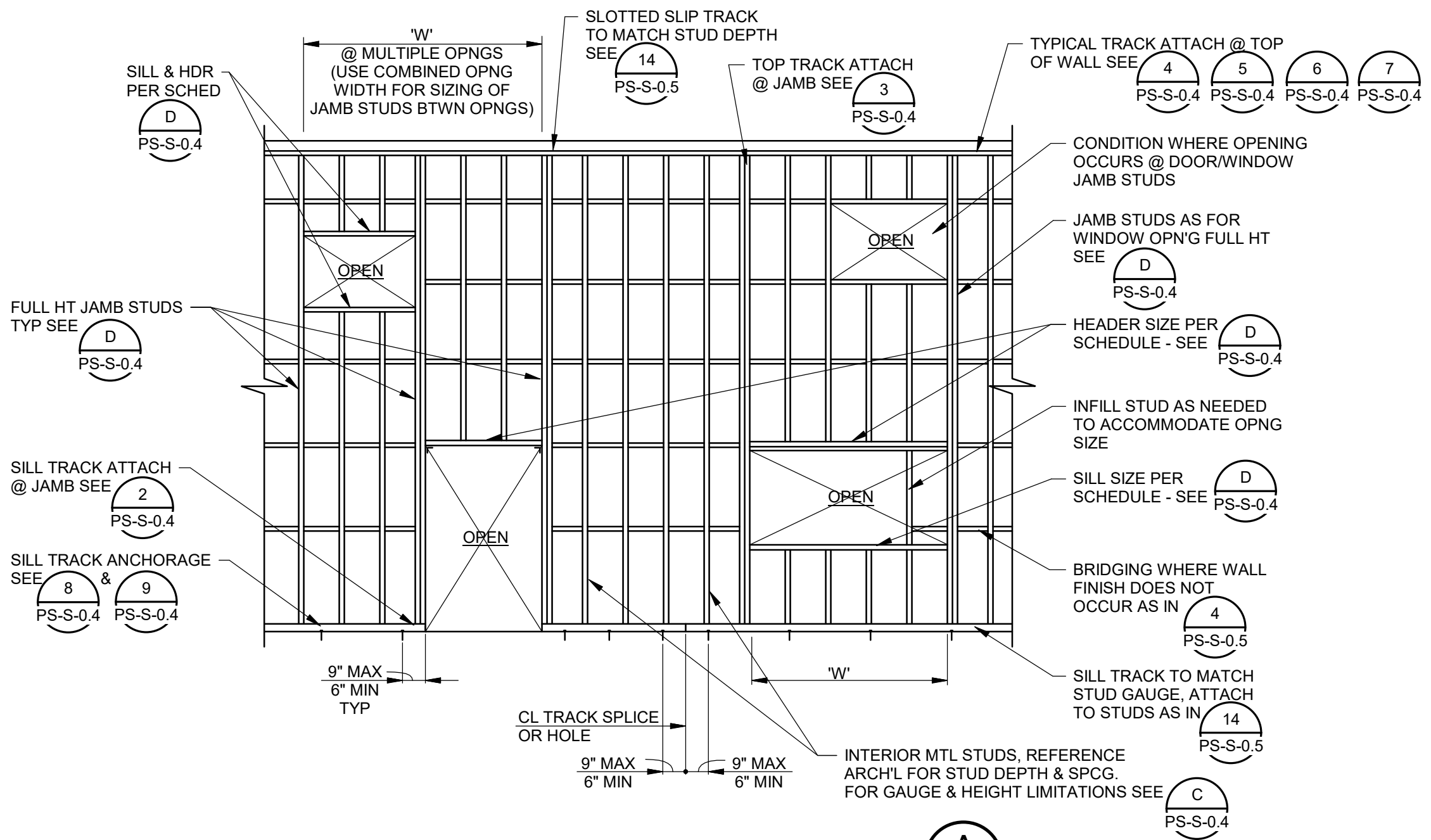
## INTERIOR WALL OPENING FRAMING SCHEDULE

54282011-1

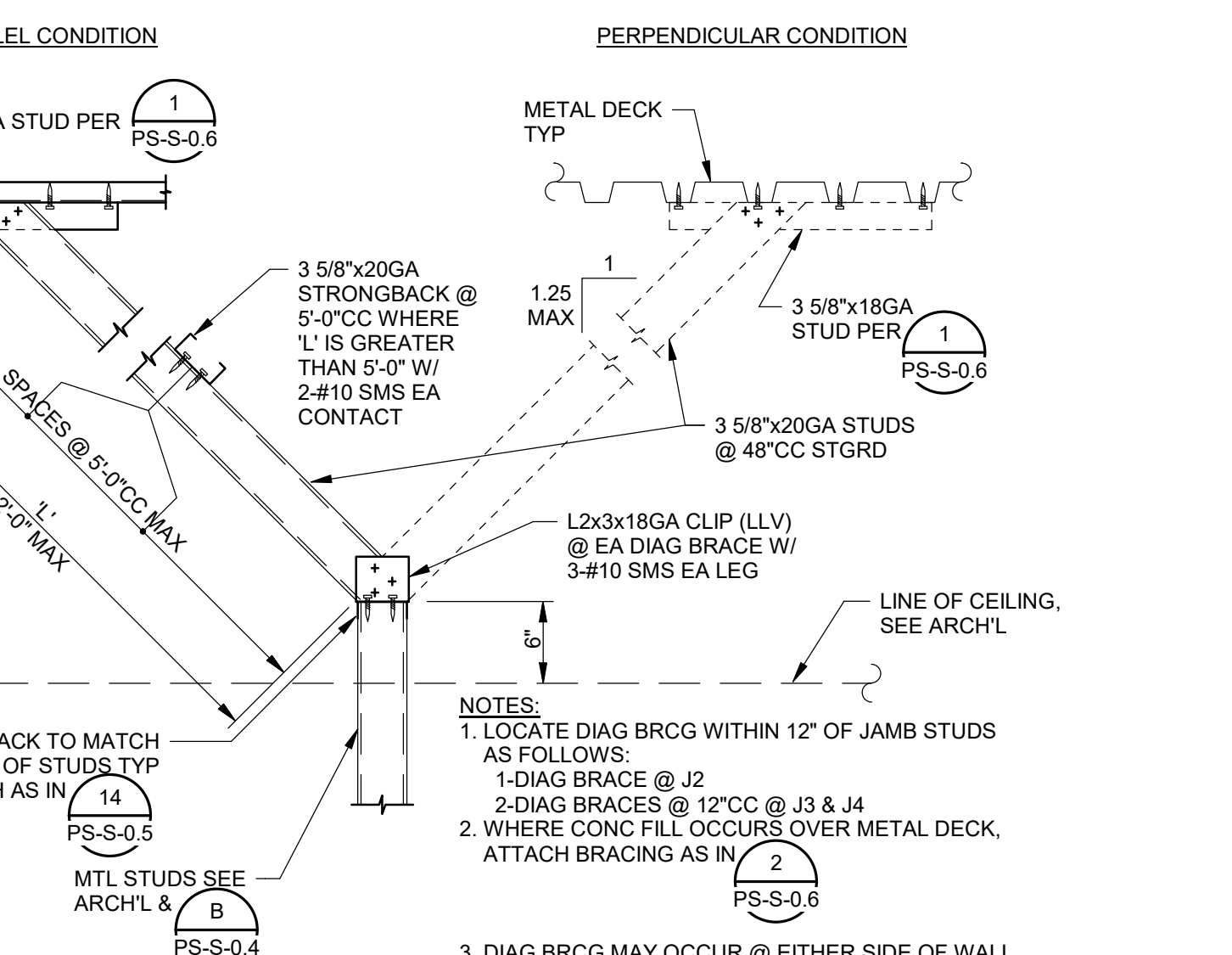
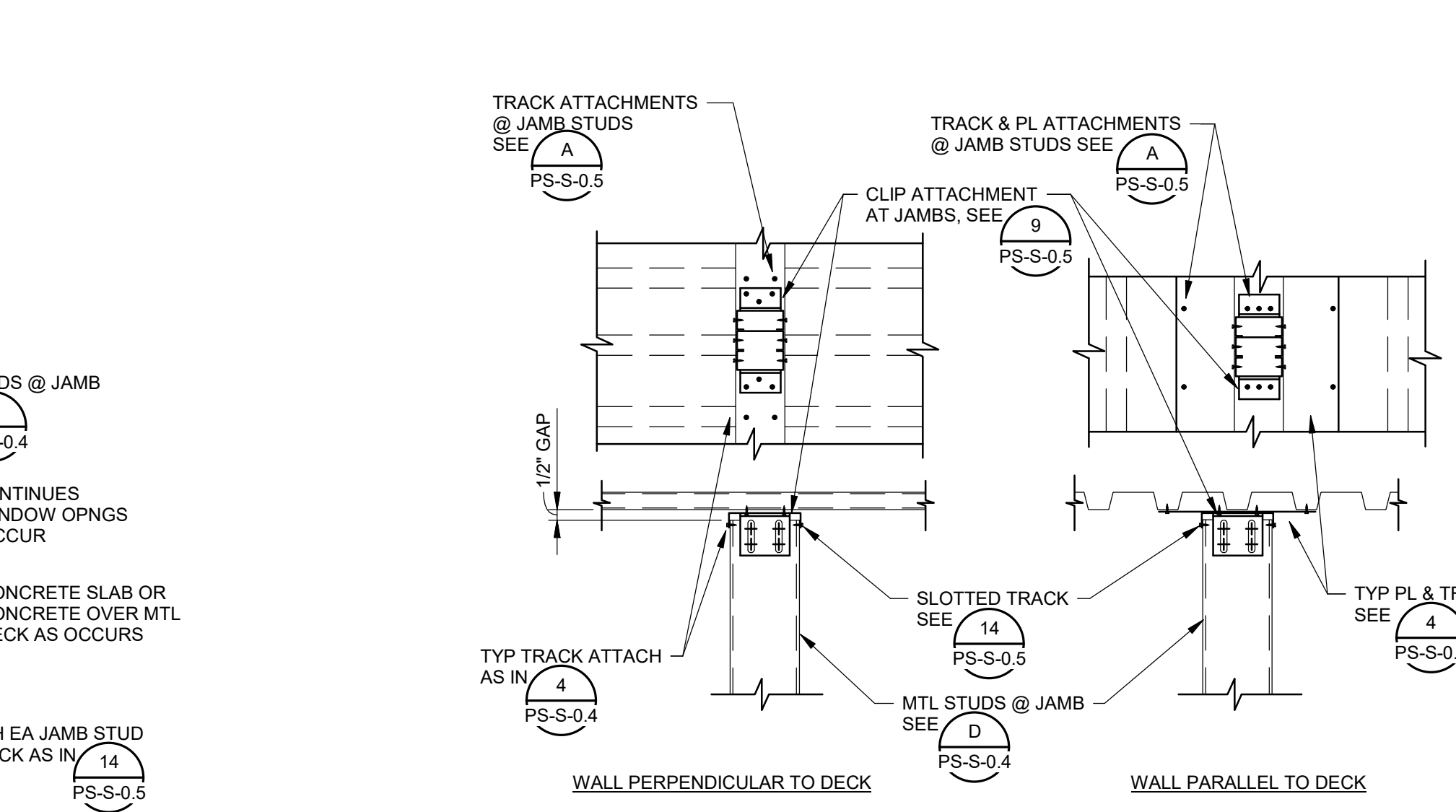
DEFLECTION LIMIT = L/120

W' WIDTH MAX <sup>15</sup>	JAMBS	HEADER	SILL	HC4-8 SCREW SPCG	
				3-5/8" & 4" WALLS	6" & 8" WALLS
4'-0"	J1, 2, 3	H2	S1		
8'-0"	J2	H4	S1 <sup>9</sup>		
12'-0"	J3	HC4-8 <sup>4, 5, 12</sup>	S2	8"CC	4"CC
16'-0"	J4	HC4-8 <sup>6, 7, 8, 12</sup>	S4 <sup>10</sup>	8"CC	4"CC

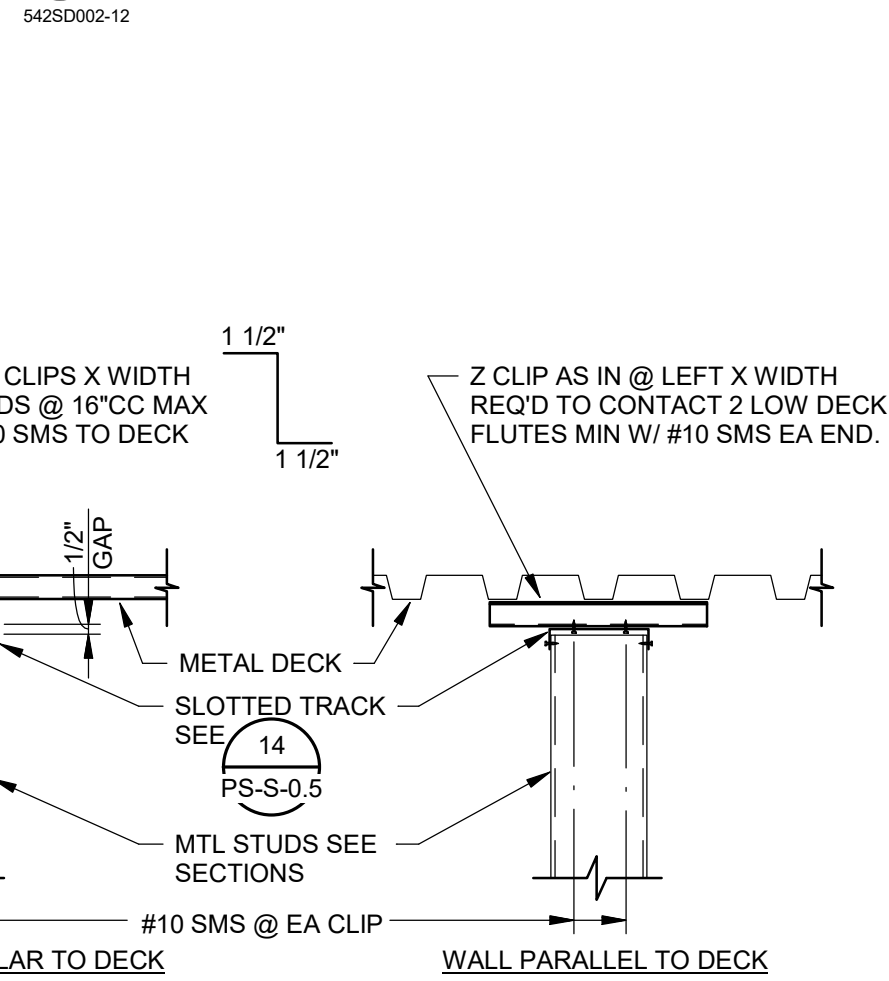
- USE J2 MINIMUM AT DOOR OPENINGS
- USE J2 AT 4'-0" MAX OPNGS IN 20GA WALLS
- USE J2 AT 4'-0" MAX OPNGS IN 8"X18GA WALLS
- HC4-8 MAY BE USED AT 12'-0" MAX OPNGS IN 16GA AND 14GA WALLS W/ THE EXCEPTION OF 8" WALLS
- USE 16GA MIN. HEADERS AT 12'-0" MAX OPNGS IN 8" WALLS
- USE 16GA MIN. HEADERS AT 16'-0" MAX OPNGS IN 3-5/8" & 4" WALLS
- USE 14GA MIN. HEADERS AT 16'-0" MAX OPNGS IN 6" & 8" WALLS UNO
- USE HC4-10 HEADERS AT 16'-0" MAX OPNGS IN 8"X14GA WALLS
- USE S2 SILLS AT 8'-0" MAX OPNGS IN 3-5/8"X20GA, 4"X20GA, AND 6"X20GA WALLS
- S2 MAY BE USED AT 16'-0" MAX OPNGS IN 16GA AND 14GA WALLS W/ THE EXCEPTION OF 3-5/8" WALLS
- SEE SHEET 16 FOR JAMB, HEADER, AND SILL DETAILS
- "H4-8" INDICATES HEADER TYPE AND DEPTH OF VERTICAL STUD ELEMENTS INSIDE HEADER. "HC4-8" INDICATES COMPOSITE HEADER W/ ADDL. SCREW REQUIREMENTS - SEE SCHEDULE & 3 PS-S-0.5
- FOR CONNECTION @ BASE OF WALL AT JAMBS SEE 2 PS-S-0.4
- FOR CONNECTION @ TOP OF WALL AT JAMBS SEE 3 PS-S-0.4
- "W" WIDTH IS THE MAX WIDTH OF A SINGLE OPENING OR THE COMBINED WIDTH OF SIDE BY SIDE OPENINGS THAT SHARE A SINGLE JAMB STUD CONFIGURATION.



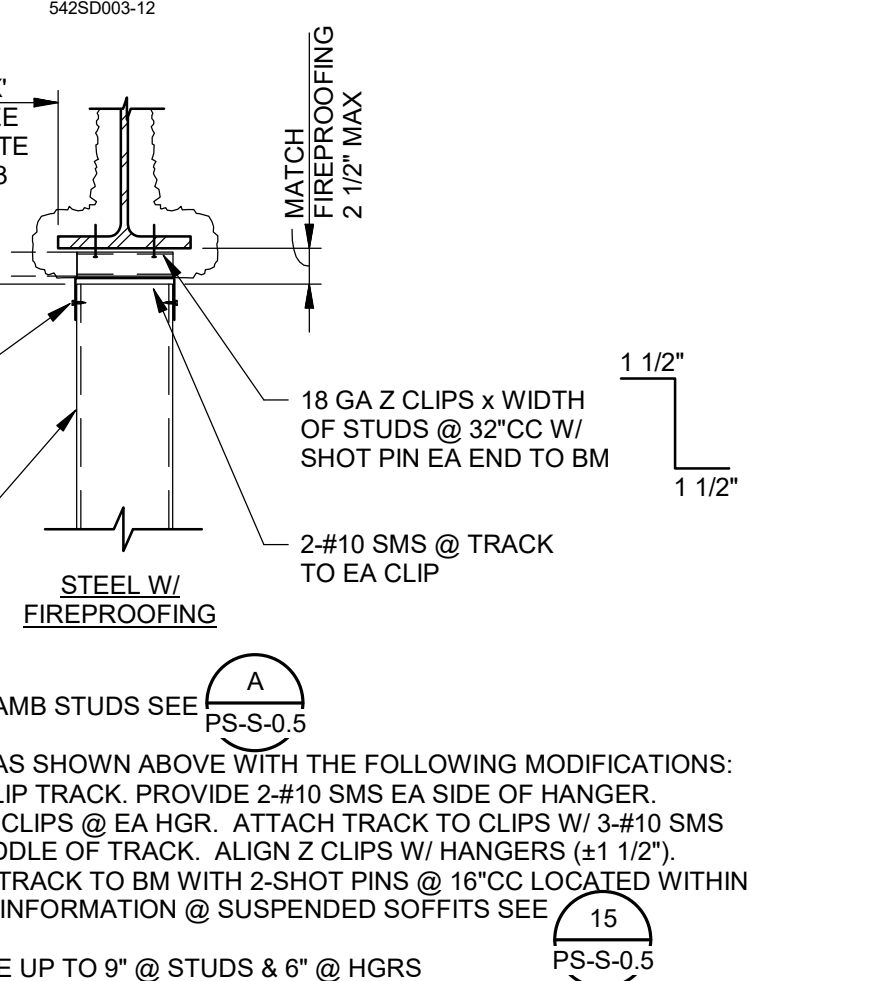
## PARTIAL HEIGHT INTERIOR METAL STUD WALL ELEVATION



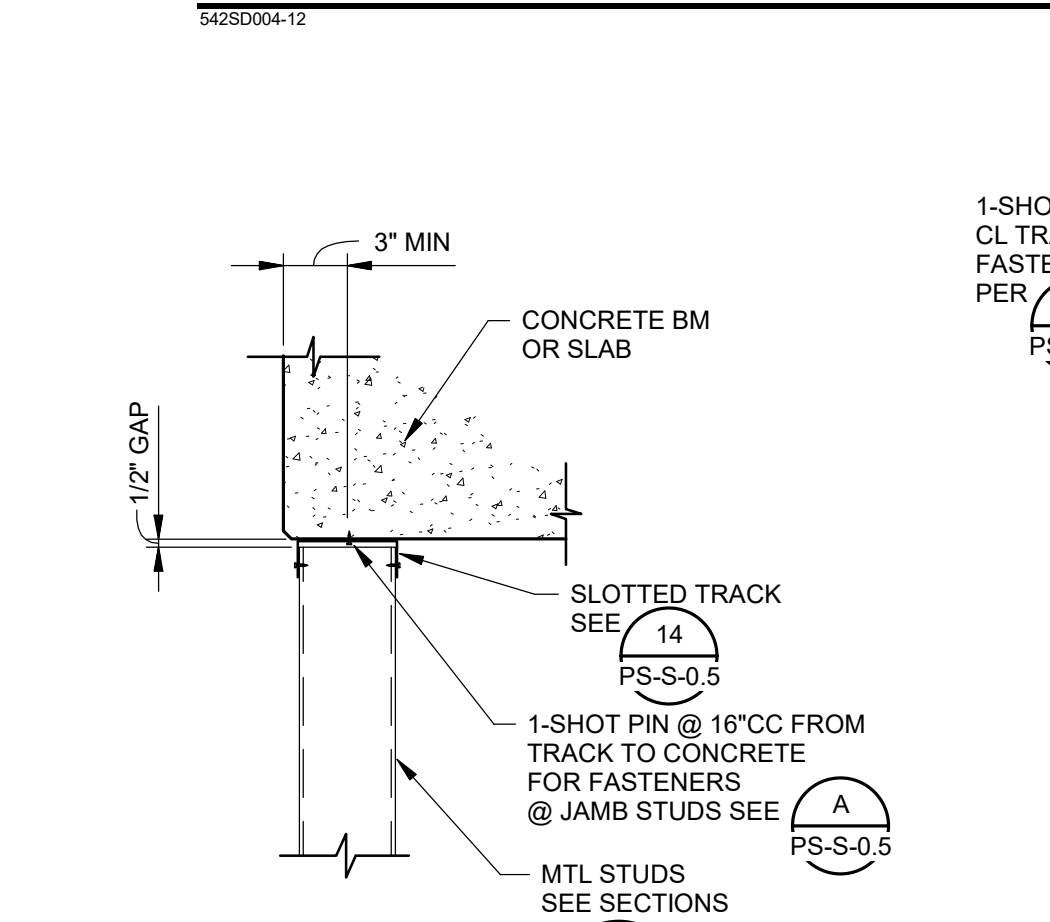
## JAMB STUDS @ SILL TRACK



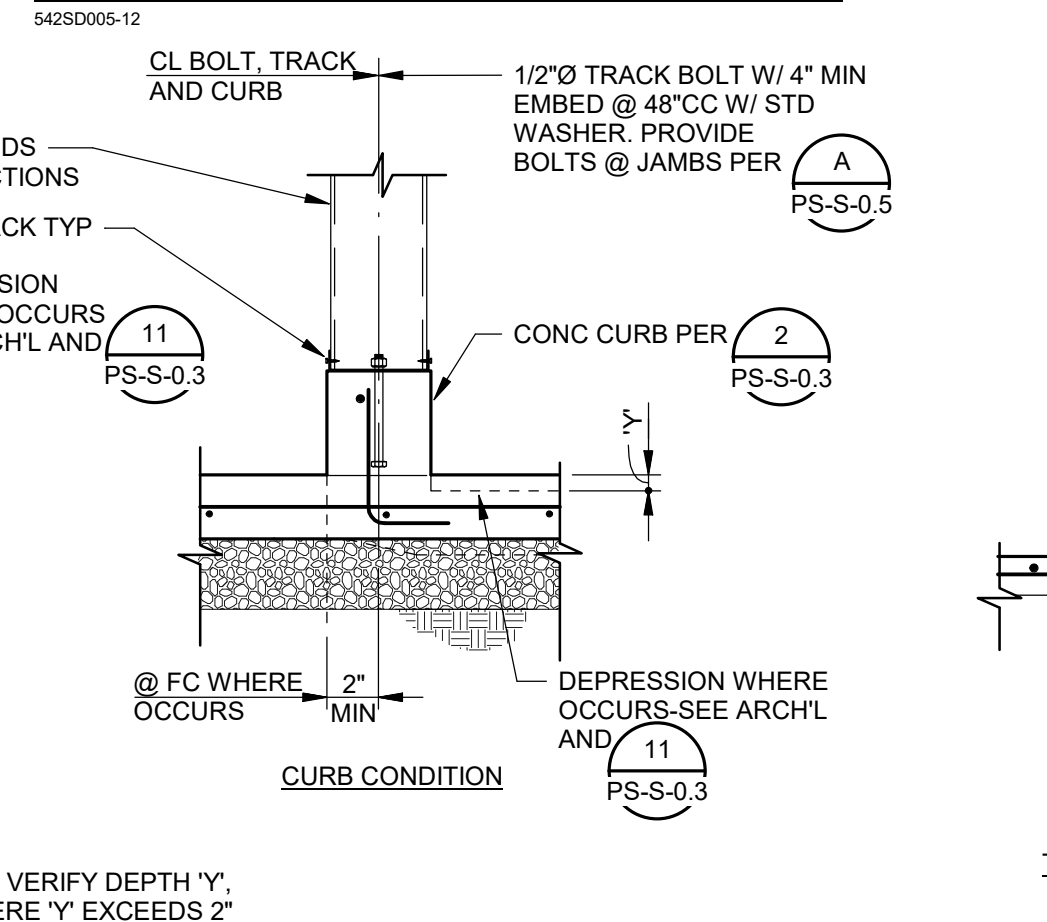
## JAMB STUDS @ TOP TRACK



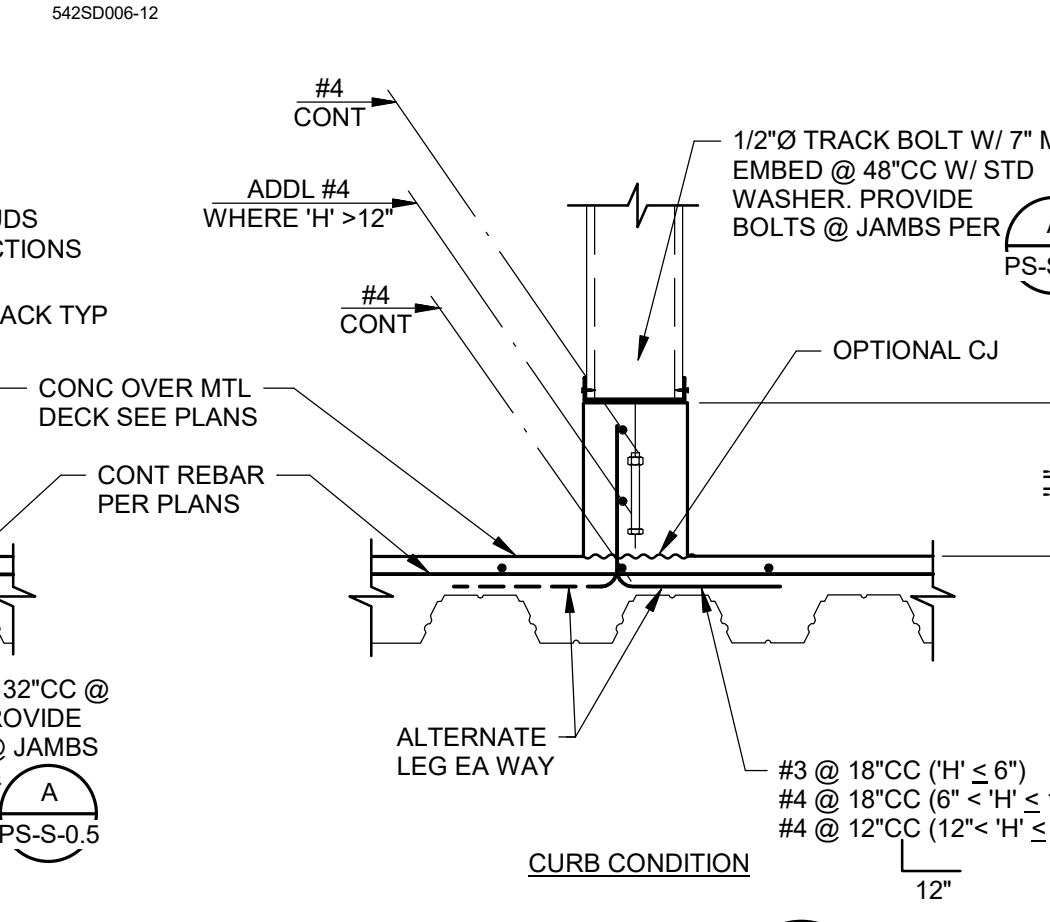
## SLIP TRACK TO METAL DECK W/O FIREPROOFING



## SLIP TRACK TO METAL DECK W/ FIREPROOFING



## SLIP TRACK TO STEEL BEAM



CEILING JOIST SCHEDULE

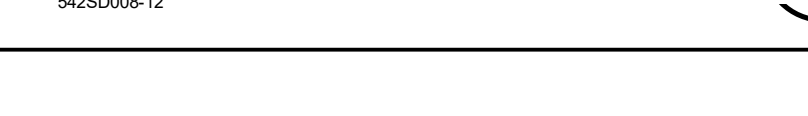
NON-ACCESSIBLE SPAN	ACCESSIBLE SPAN	CEILING JOIST
10'-0" MAX	5'-0" MAX	2 1/2" X 18 GA @ 16"CC
14'-0" MAX	8'-0" MAX	3 5/8" X 18 GA @ 16"CC
19'-0" MAX	10'-0" MAX	6" X 20 GA @ 16"CC
20'-0" MAX	12'-0" MAX	6" X 18 GA @ 16"CC
22'-0" MAX	16'-0" MAX	6" X 16 GA @ 16"CC

- ALL STUDS & JOISTS ARE "S" TYPE.
- WHERE CLG JOISTS ARE SUPPORTED FROM SOFFIT HGRS AS IN 15 & CLG JOISTS OCCUR @ BOTH SIDES OF HGRS, JOIST SPANS SHALL NOT EXCEED 8'-0". PROVIDE ADDL. LINES OF HGRS AS REQD.

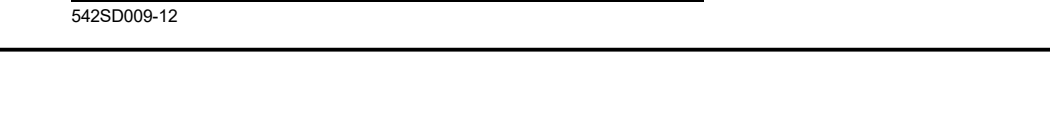
## SLIP TRACK TO CONCRETE



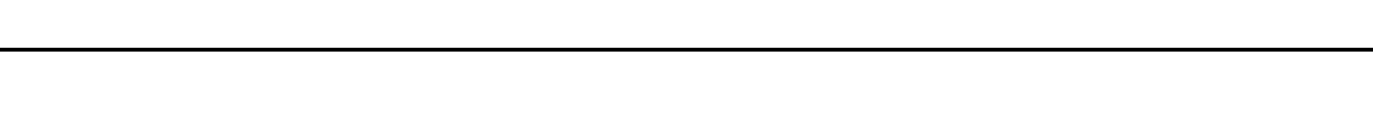
## SILL TRACK TO SLAB



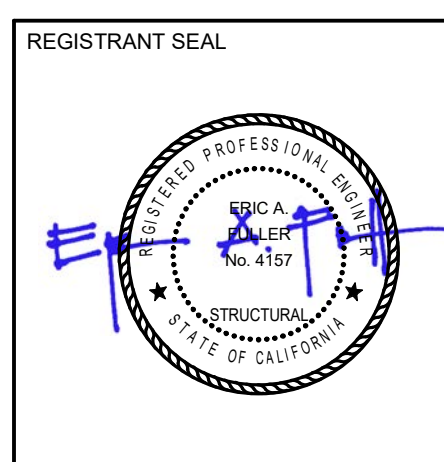
## SILL TRACK TO CONCRETE OVER METAL DECK



## TYPICAL FRAMED CEILING DETAILS



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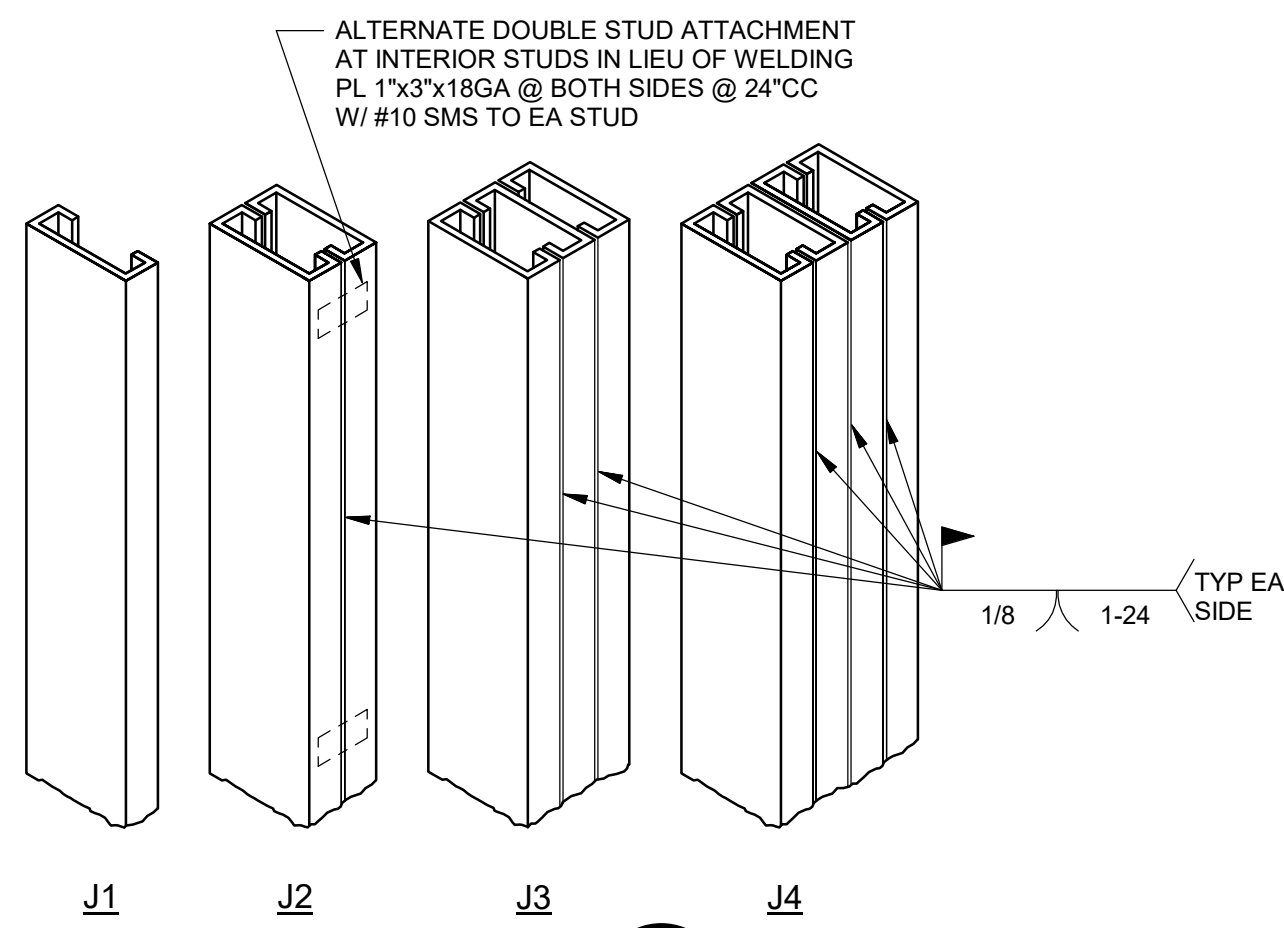
NO.	REVISION	DATE

PROJECT NO.: 2017.033  
DATE: 04-16-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY: PVB  
SHEET TITLE:  
INTERIOR METAL STUD TYPICAL DETAILS

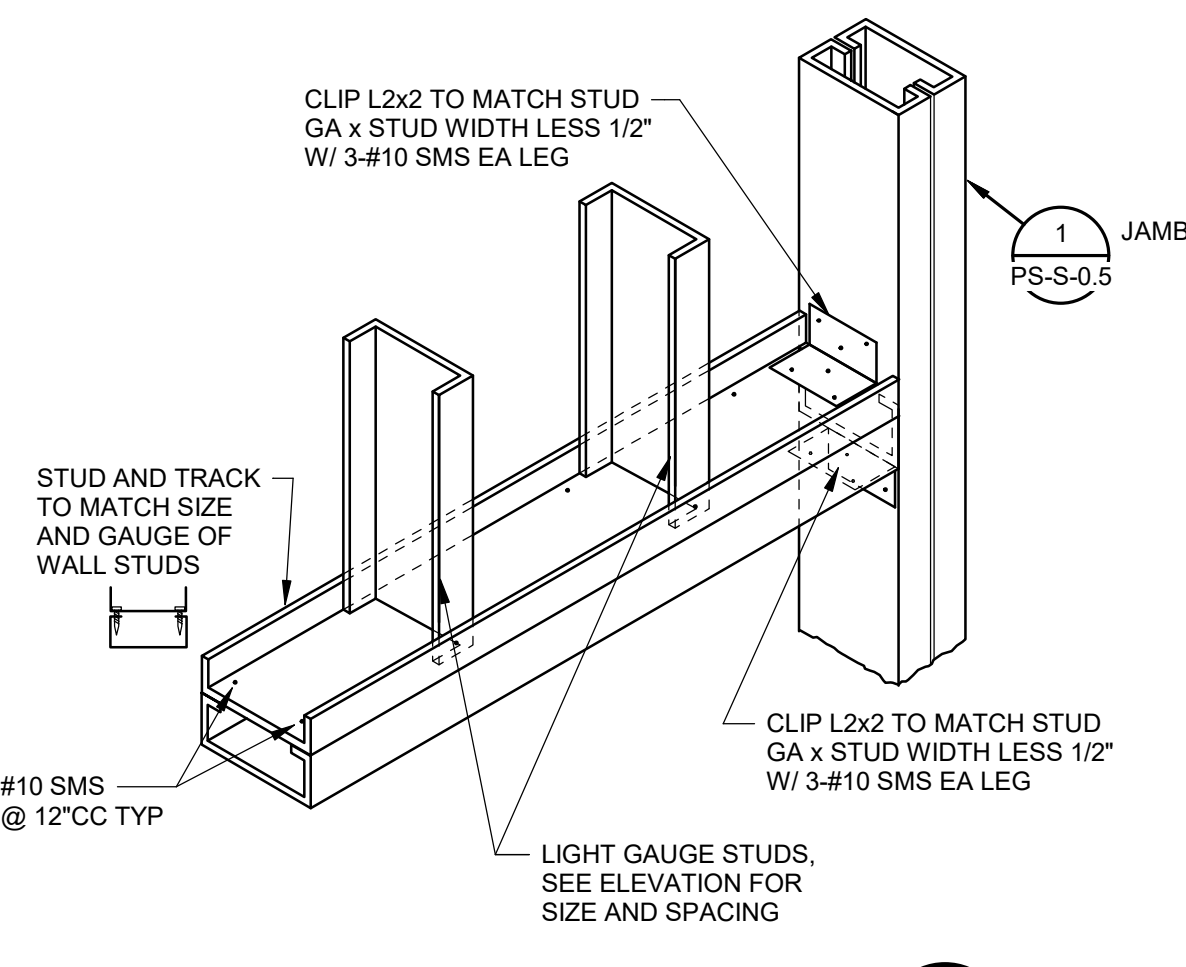
SHEET NUMBER:  
**PS-S-0.4**

# TYPICAL DETAILS

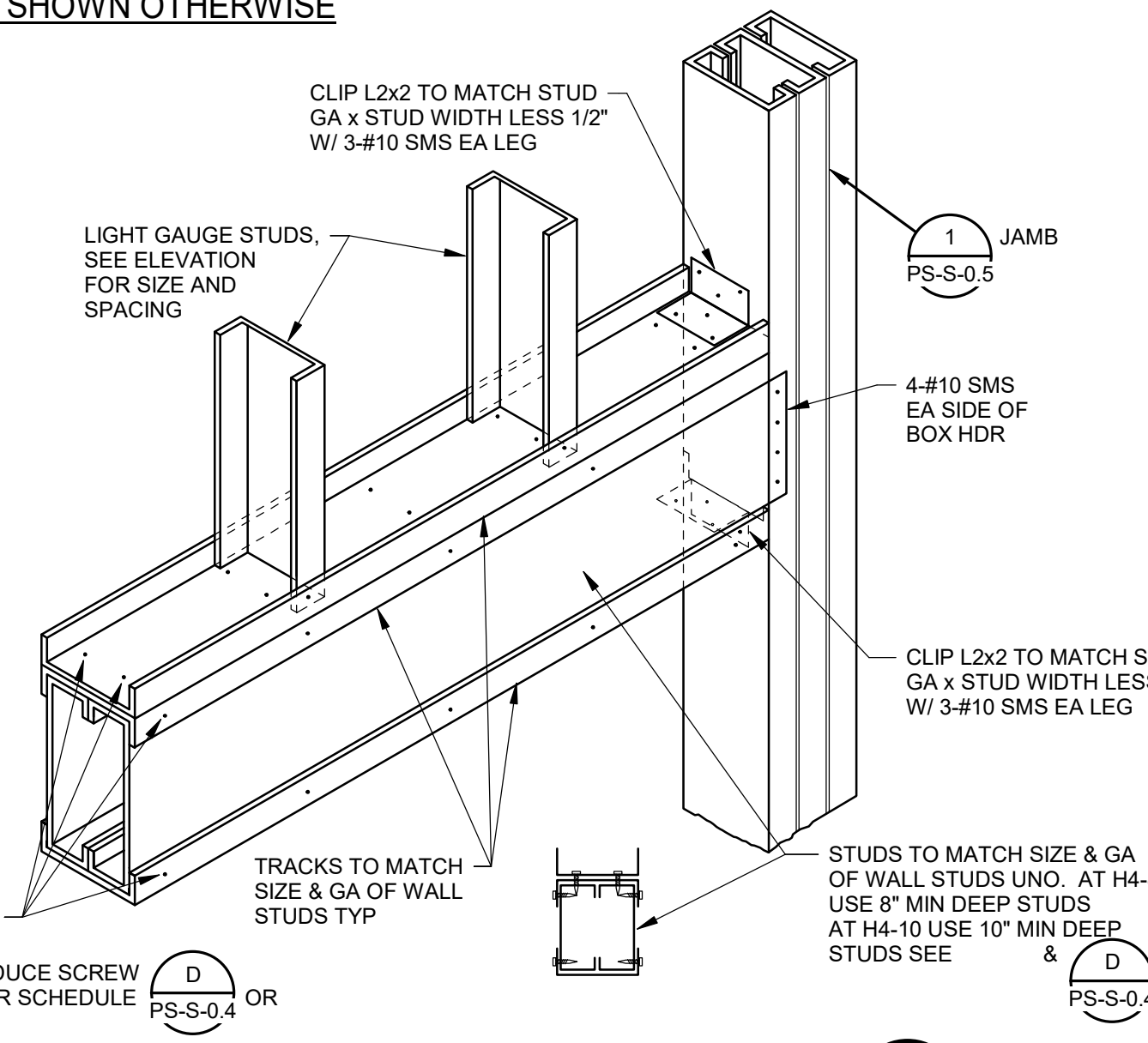
APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE



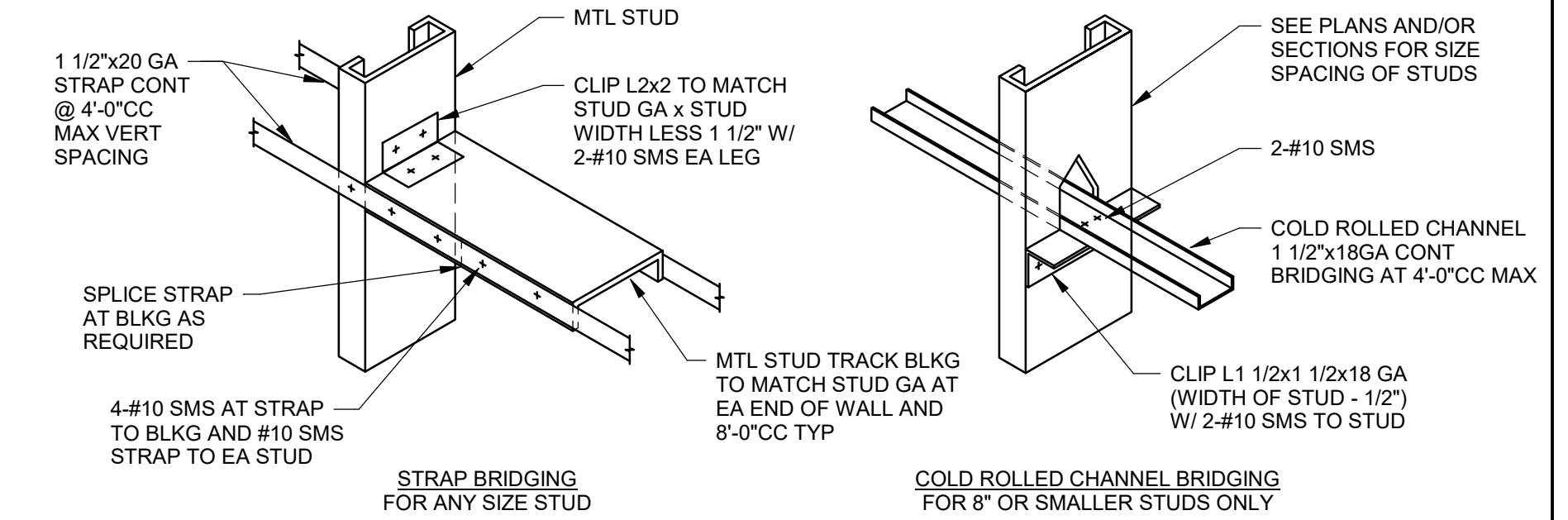
**JAMB DETAIL 1**  
PS-S-0.5



**H2 HEADER DETAIL 2**  
PS-S-0.5

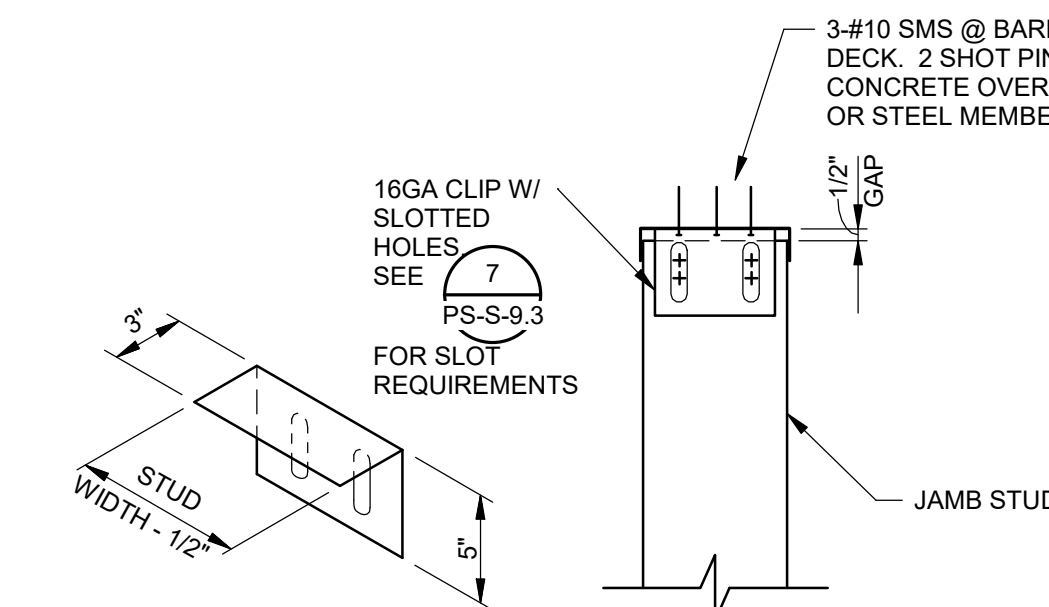


**H4/HC-4 HEADER DETAIL 3**  
PS-S-0.5



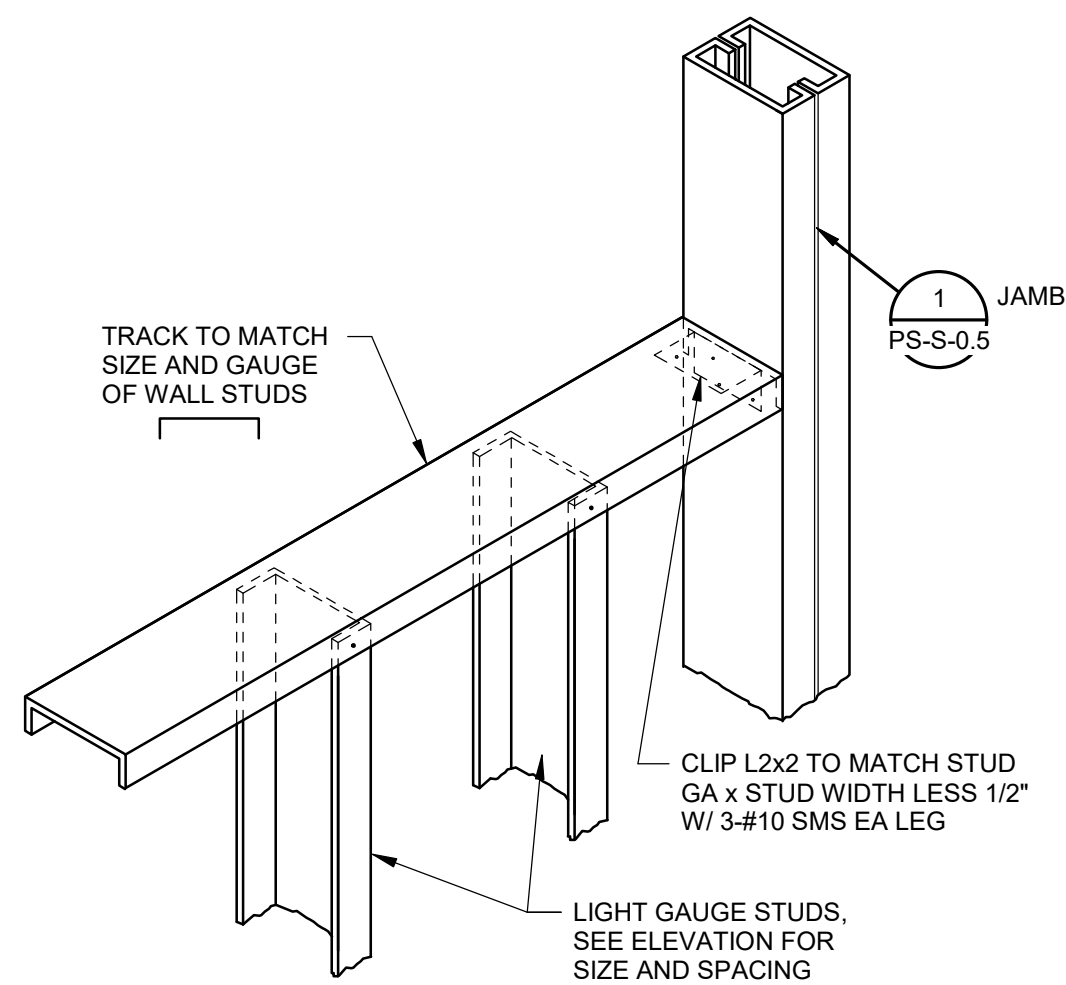
**TYPICAL STUD BRIDGING 4**  
PS-S-0.5

NOTE:  
1. BRIDGING FOR 8" AND SMALLER STUDS MAY BE CONSTRUCTED OF COLD ROLLED CHANNEL OR STRAPS AT CONTRACTOR'S OPTION UNLESS NOTED OTHERWISE.  
2. WHERE FULL HEIGHT SHEATHING OR GYP BOARD OCCURS ON BOTH SIDES OF METAL STUD FRAMING, THE BRIDGING MAY BE OMITTED.  
3. AT COND WHERE STRAP BRIDGING IS USED & WHERE WALL SHEATHING OR GYP BOARD OCCURS ON ONE SIDE OF WALL ONLY, STRAP MAY BE OMITTED ON SIDE OF WALL WHERE SHEATHING OR GYP OCCURS.

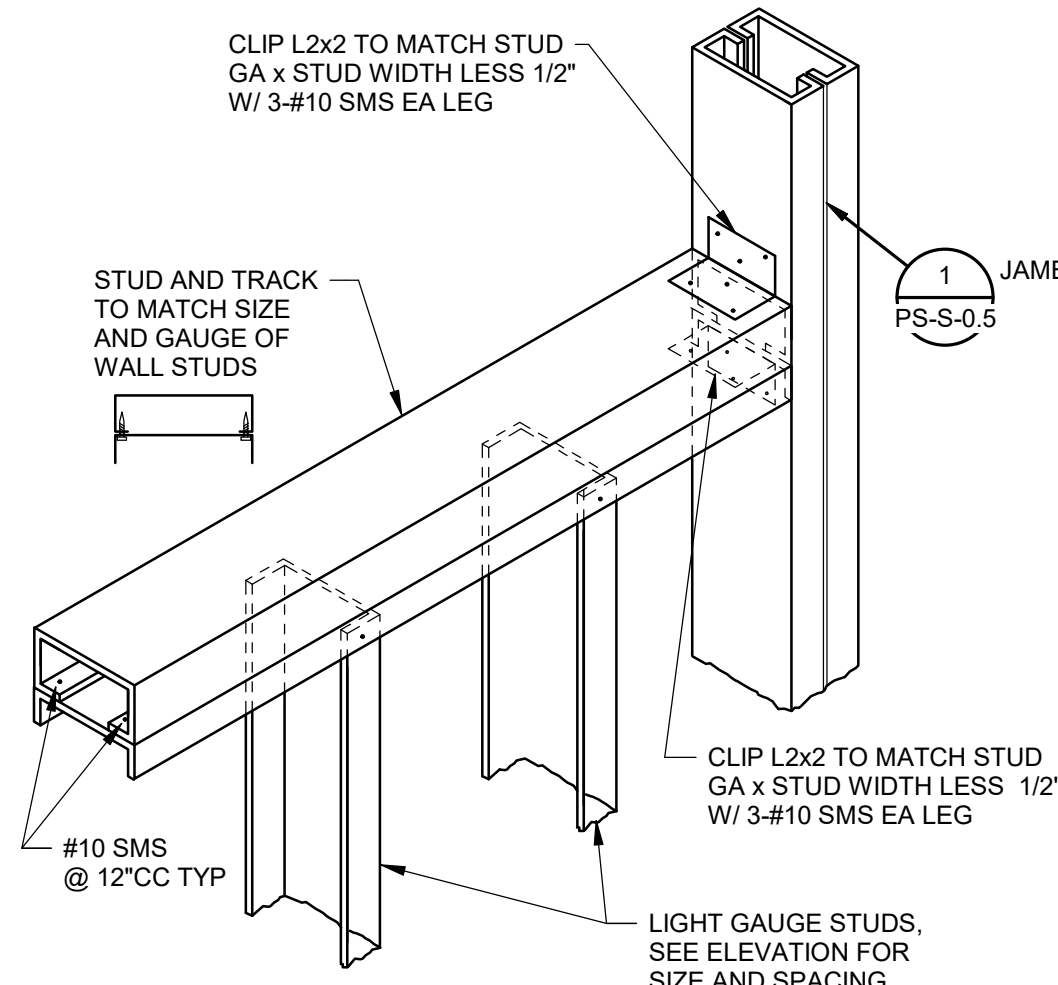


**JAMB STUD CLIP ATTACHMENT 9**  
PS-S-0.5

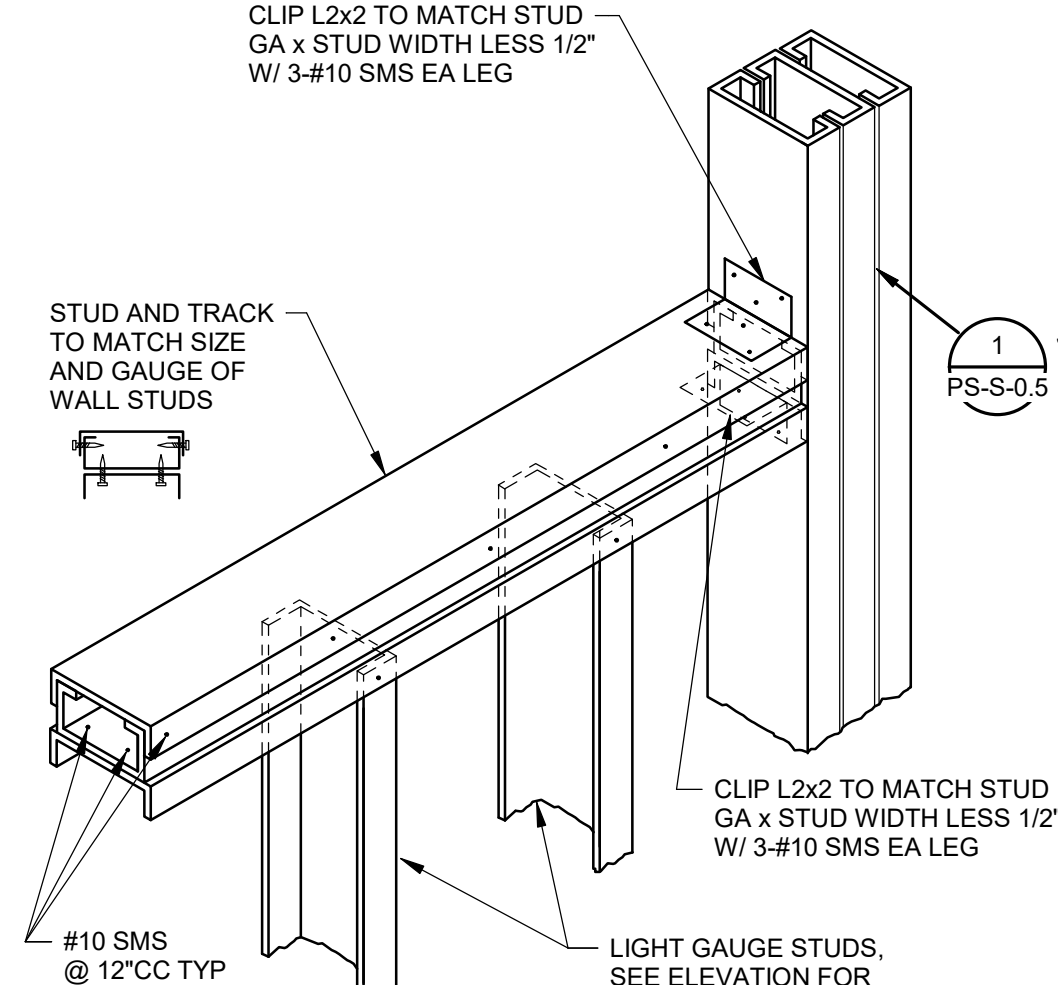
NOTE:  
1. PROVIDE CLIP AT ALL EXTERIOR WALL JAMB STUDS AT SLOTTED TRACKS. PROVIDE CLIP AT ALL INTERIOR WALL DEFLECTION TRACKS WHERE OPENING WIDTH IS GREATER THAN 8'-0" WIDE.  
2. CLIP TO OCCUR ONE SIDE OF J2 JAMBS, BOTH SIDES OF J3 & J4 JAMBS.



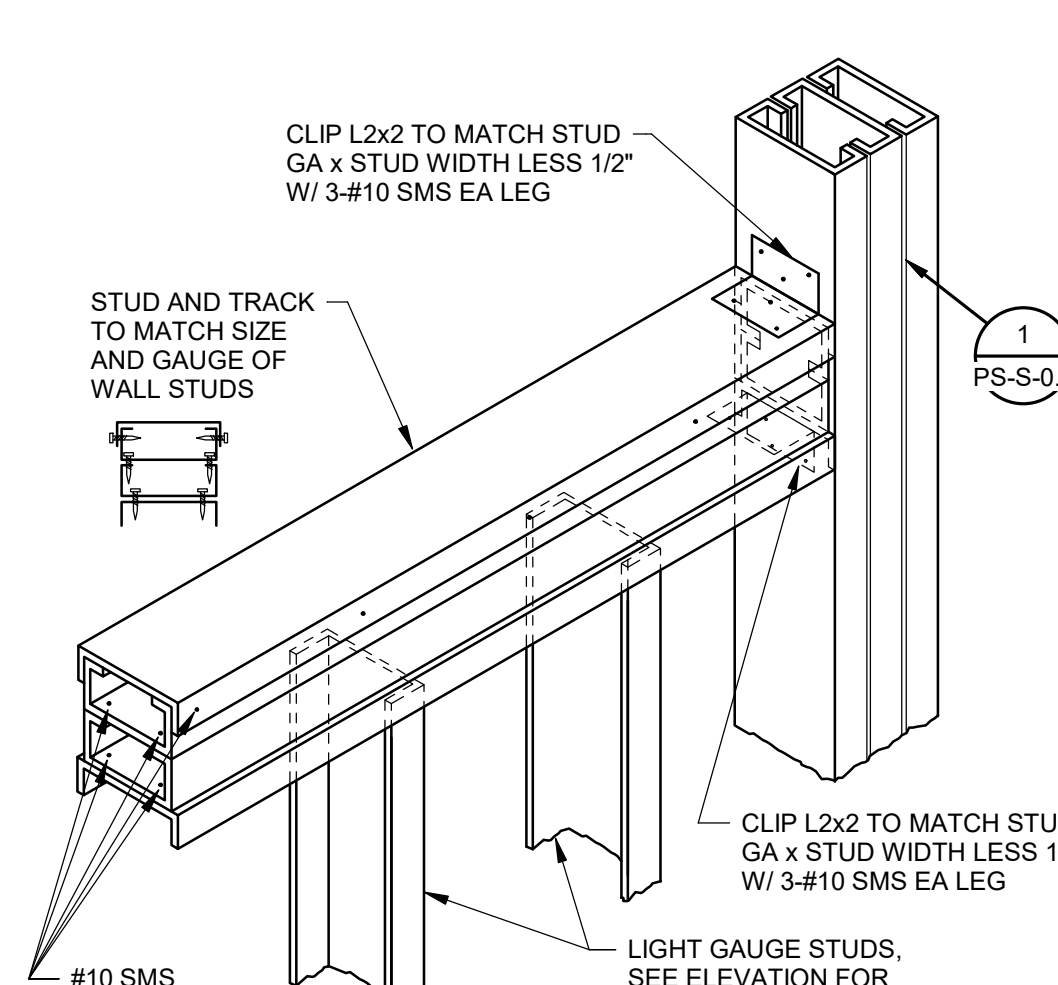
**S1 SILL DETAIL 5**  
PS-S-0.5



**S2 SILL DETAIL 6**  
PS-S-0.5



**S3 SILL DETAIL 7**  
PS-S-0.5

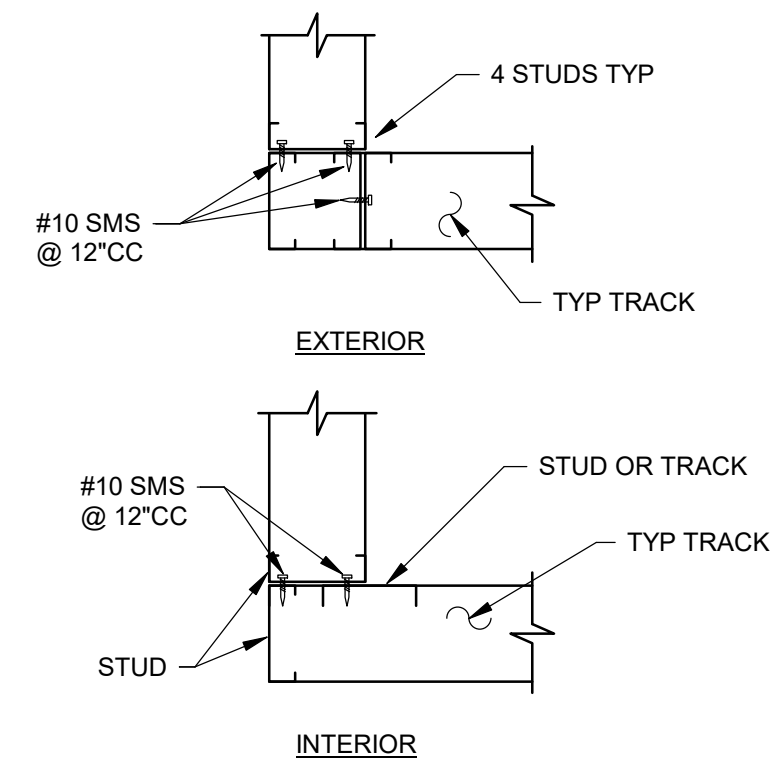


**S4 SILL DETAIL 8**  
PS-S-0.5

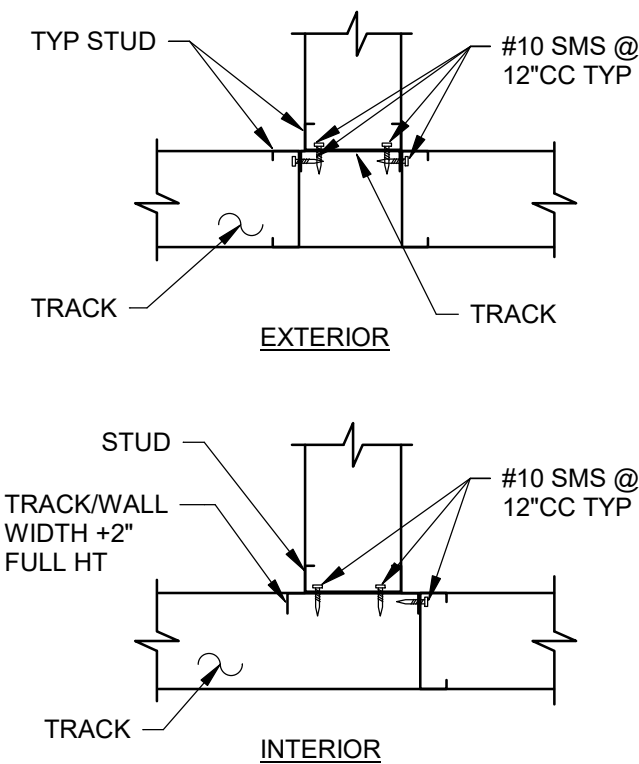
## TRACK ATTACHMENT @ JAMB STUDS

JAMB TYPE	TRACK ATTACHMENT METHOD 1,2		
	SHOT PIN	SMS	1/2" BOLTS
J1	1	1	1
J2	2	2	1
J3	3	3	1
J4	4	4	2

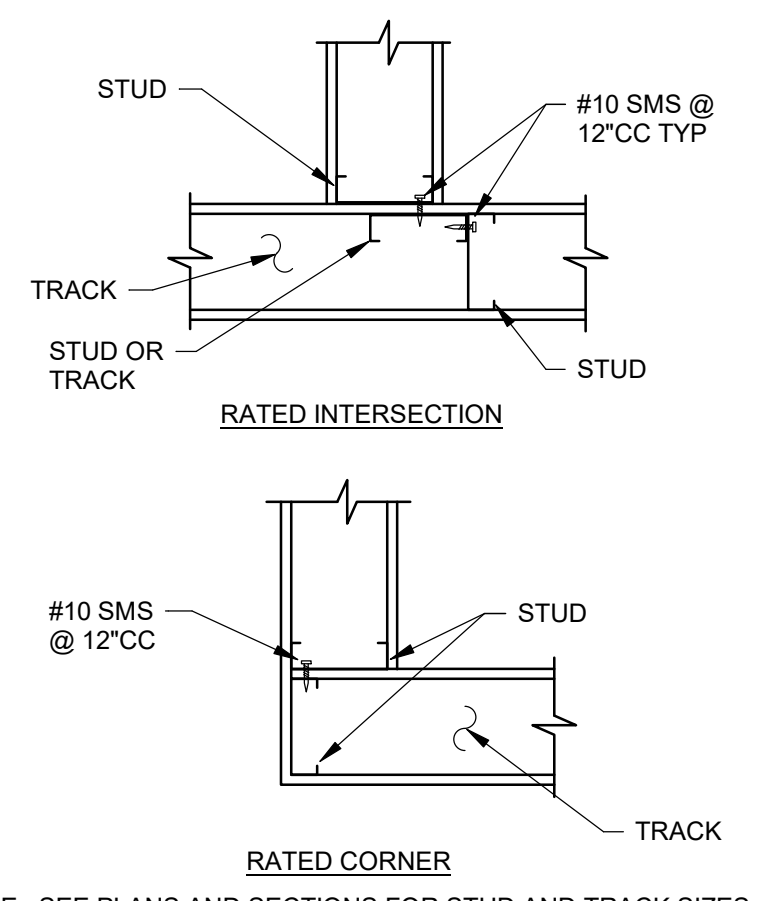
NOTE:  
1. SCHEDULE INDICATES TRACK ATTACHMENTS REQUIRED WHERE JAMB STUDS OCCUR. SEE TYPICAL SILL AND TOP TRACK ATTACHMENT DETAILS FOR BASIC ATTACHMENT METHODS (I.E. SHOT PINS, SMS, BOLTS ETC.) & CONDITIONS BEYOND JAMB STUDS.  
2. LOCATE ALL REQUIRED ATTACHMENTS AS CLOSE TO JAMB STUDS AS POSSIBLE. MAINTAIN ALL FASTENER SPACING AND EDGE DISTANCE REQUIREMENTS. AT SHOT PINS, SEE TYPICAL NOTES. @ SMS MAINTAIN 1" DIAMETER MIN EDGE DISTANCE & SPCG. AT BOLTS SPACE NO CLOSER THAN 12" DIAMETERS AND NO MORE THAN 9" FROM END OF TRACK.



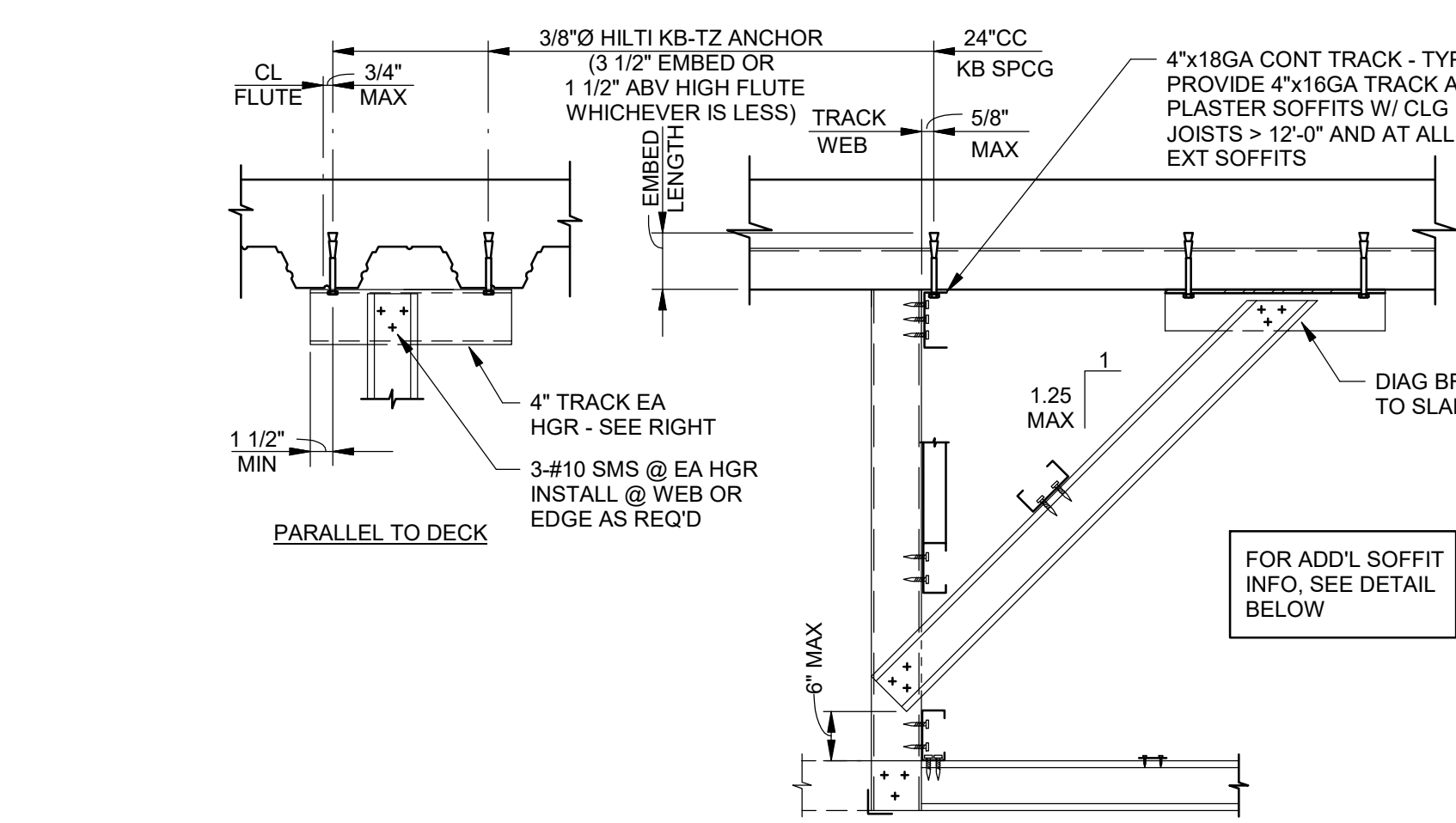
**TYPICAL WALL CORNER 10**  
PS-S-0.5



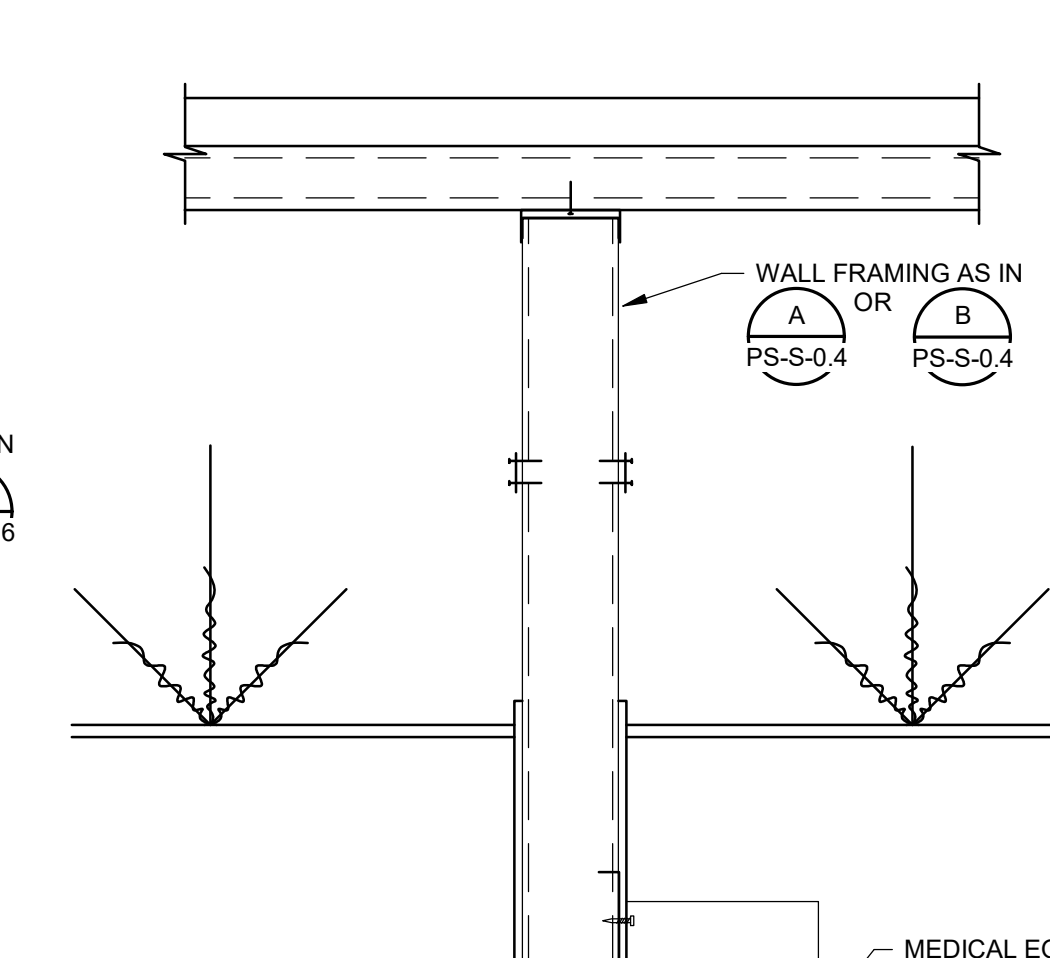
**TYPICAL TEE INTERSECTION 11**  
PS-S-0.5



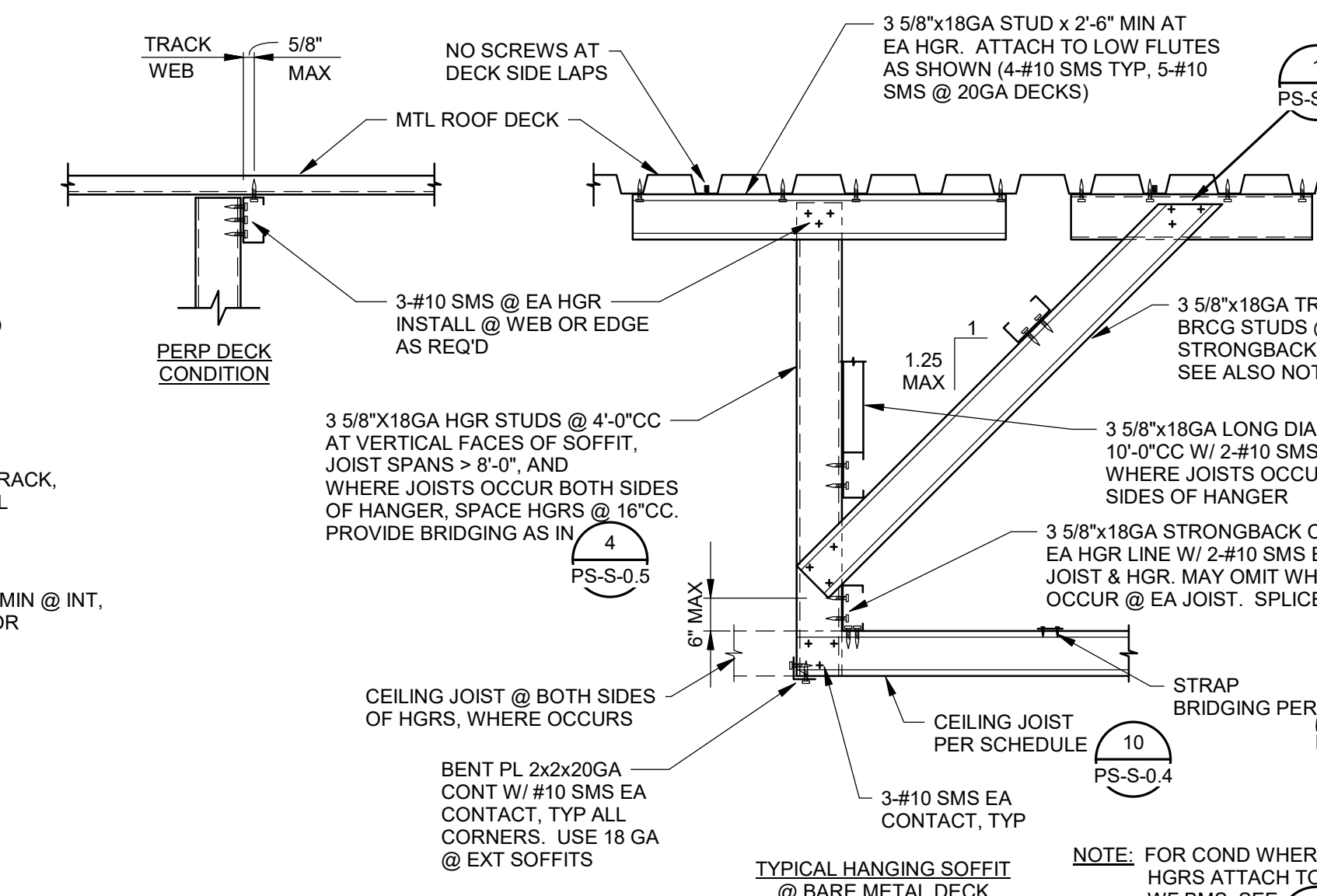
**TYPICAL FIRE-RATED WALL CORNER 12**  
PS-S-0.5



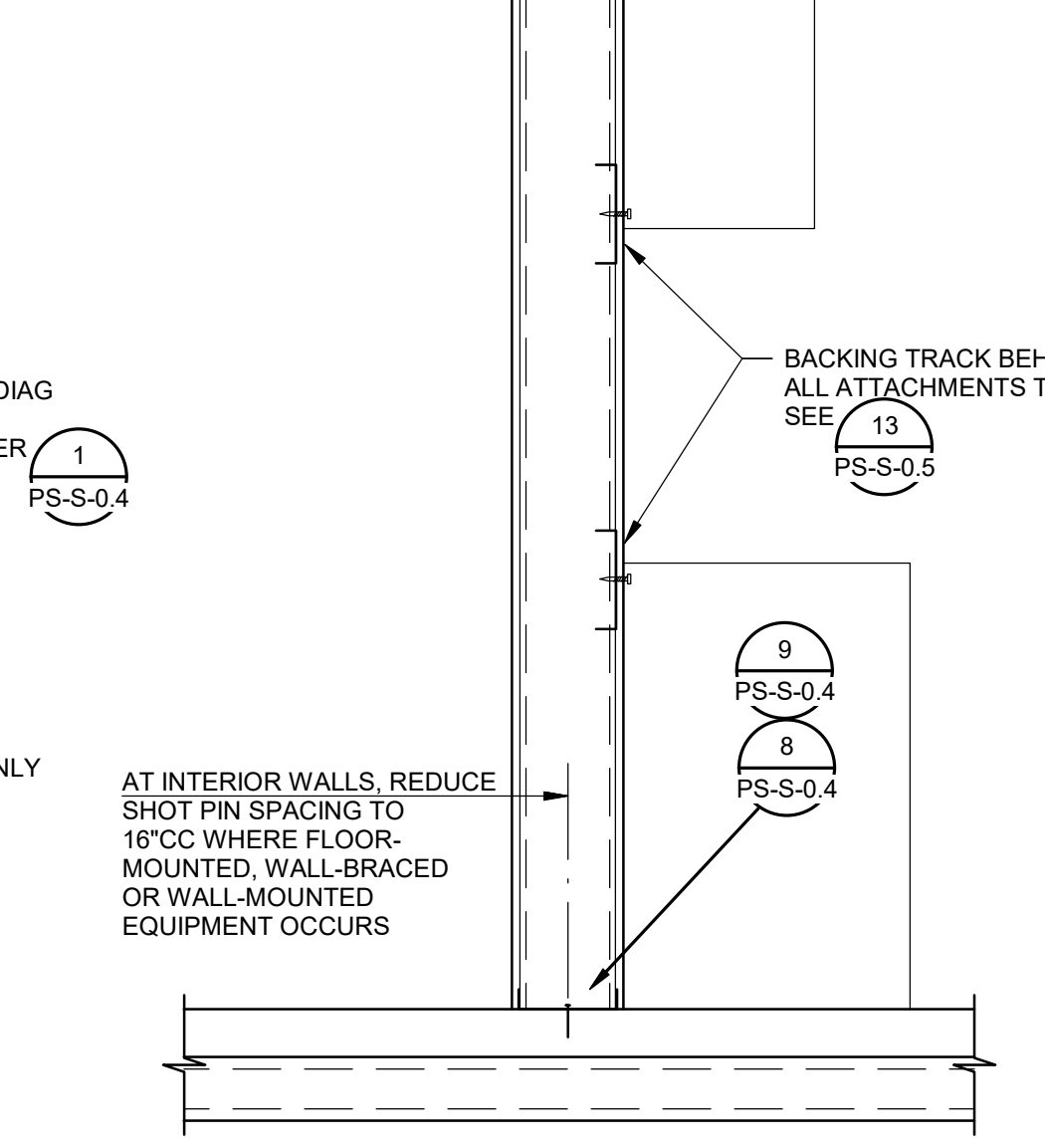
**TYPICAL HANGING SOFFIT 15**  
PS-S-0.5



**TYPICAL BACKING DETAILS 16**  
PS-S-0.5

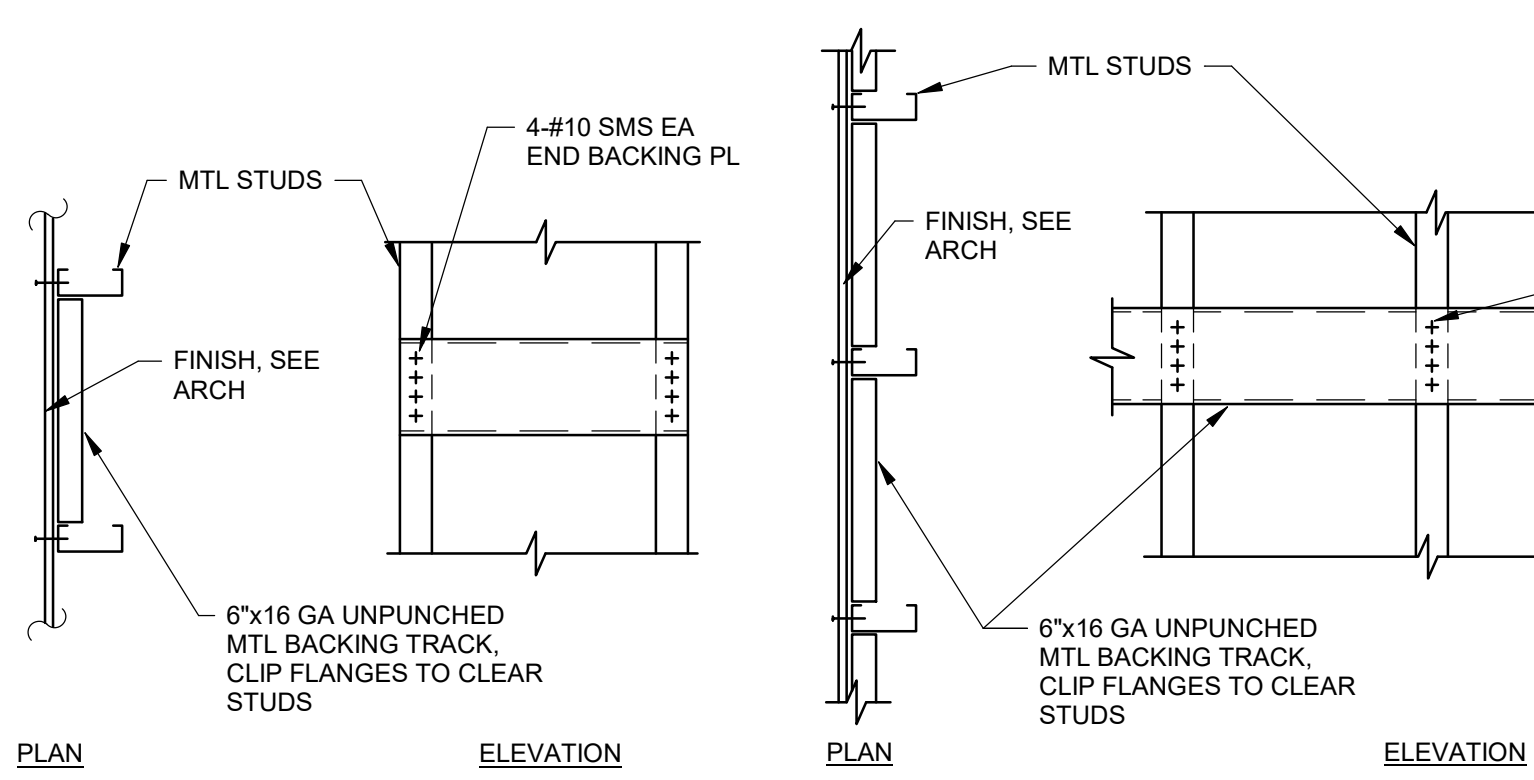


**TYPICAL FRAMED SOFFIT 15**  
PS-S-0.5

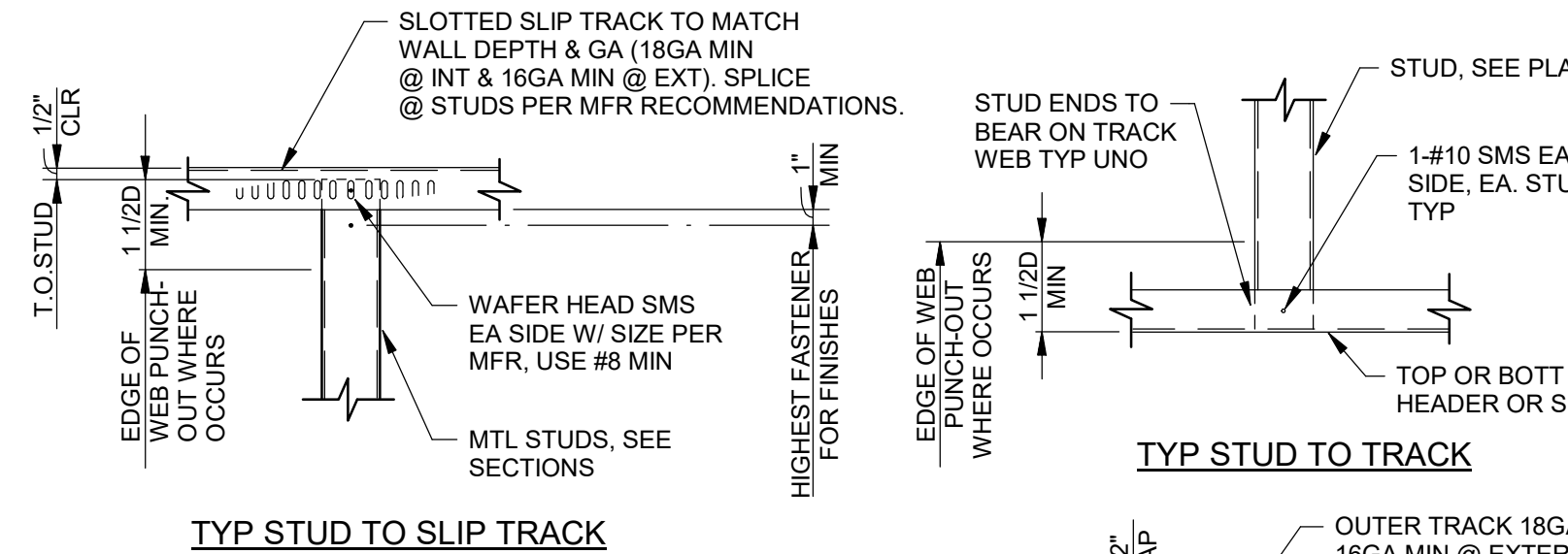


**TYPICAL BACKING DETAILS 16**  
PS-S-0.5

NOTE:  
1. TRANSVERSE DIAGONAL SOFFIT BRACING NEED ONLY BE INSTALLED ON ONE LINE OF HGR STUDS WHERE SOFFITS ARE LESS THAN 10'-0" IN WIDTH.  
2. FRAME OPENINGS IN VERTICAL FACE OF SOFFITS AS IN (B) PS-S-0.4 (D) PS-S-0.4

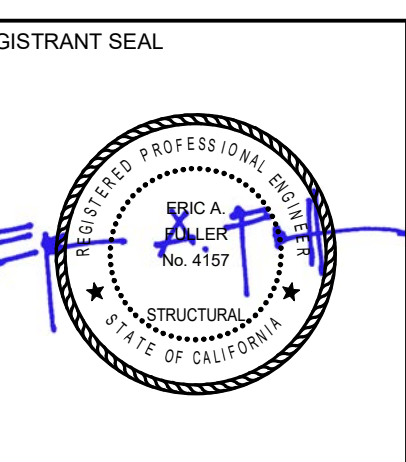


**TYPICAL BACKING DETAIL 13**  
PS-S-0.5



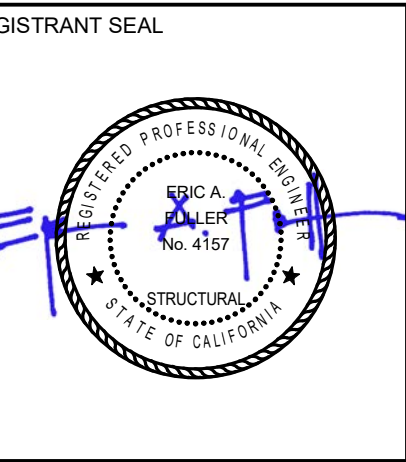
**TYPICAL STUD TO TRACK CONNECTION 14**  
PS-S-0.5

NOTE:  
1. SEE OTHER DETAILS FOR ATTACHMENTS OF T&B TRACK TO STRUCTURE. SCREWS & SHOT PINS @ WEBS OF SLIP TRACKS SHALL BE LOCATED IN SLOTTED HOLES PROVIDED BY MFR.  
2. FOR ADDL INFO @ FIRE RATED WALLS, SEE ARCHL (FOR WALL TYPE, DETAILS ETC..) & MFR UL LISTING.  
3. D = STUD DEPTH  
4. WHERE SLOPE OF SUPPORTING STRUCTURE IS GREATER THAN 1:12, A NESTED TRACK ASSEMBLY SHALL BE USED.



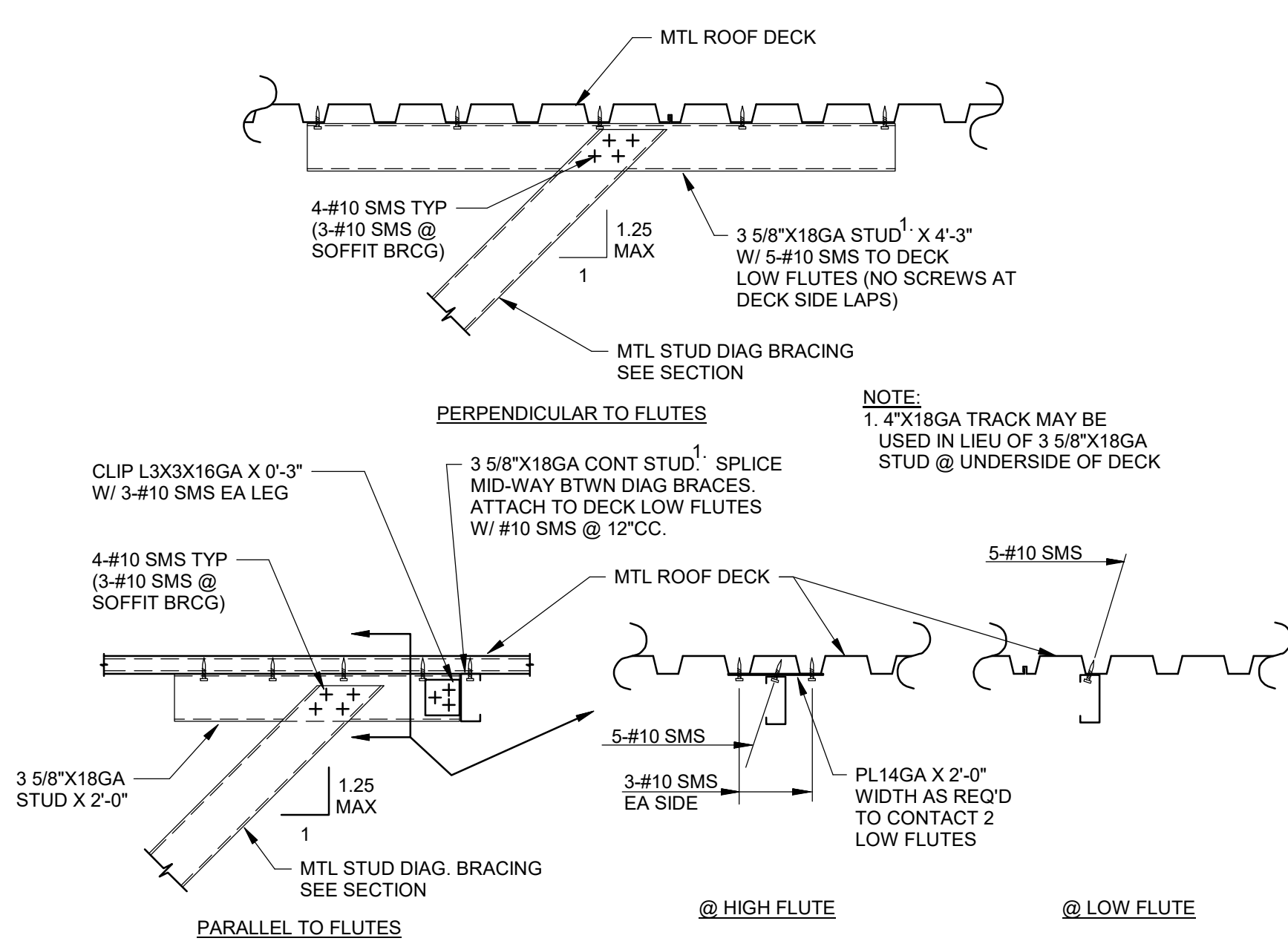
NO.	REVISION	DATE



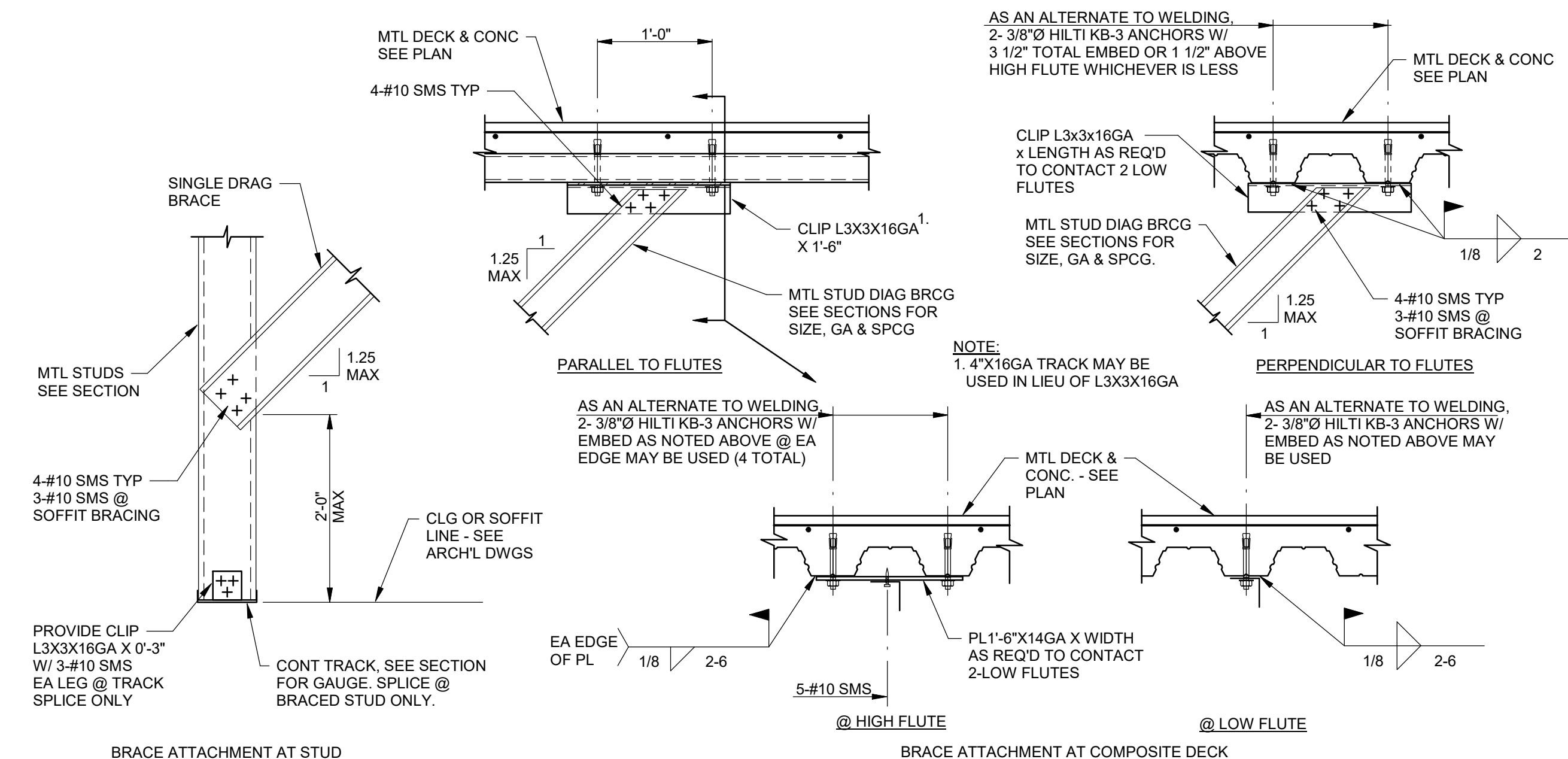


NO.	REVISION	DATE

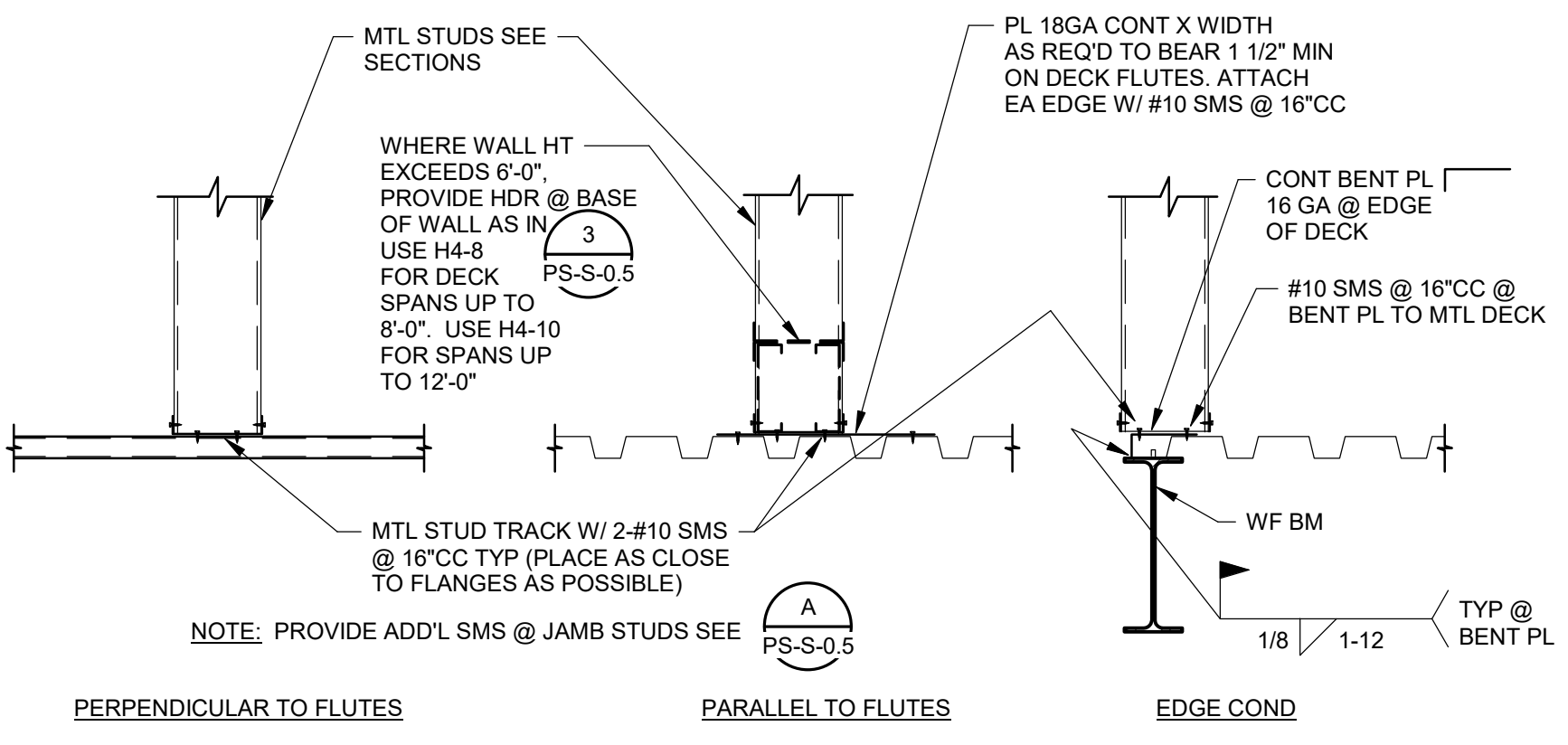
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DATE: 04-16-2018  
DESIGNED BY: Designer  
DRAWN BY: Author  
APPROVED BY: \_\_\_\_\_  
SHEET TITLE: TYPICAL DETAILS  
SHEET NUMBER: **PS-S-0.6**



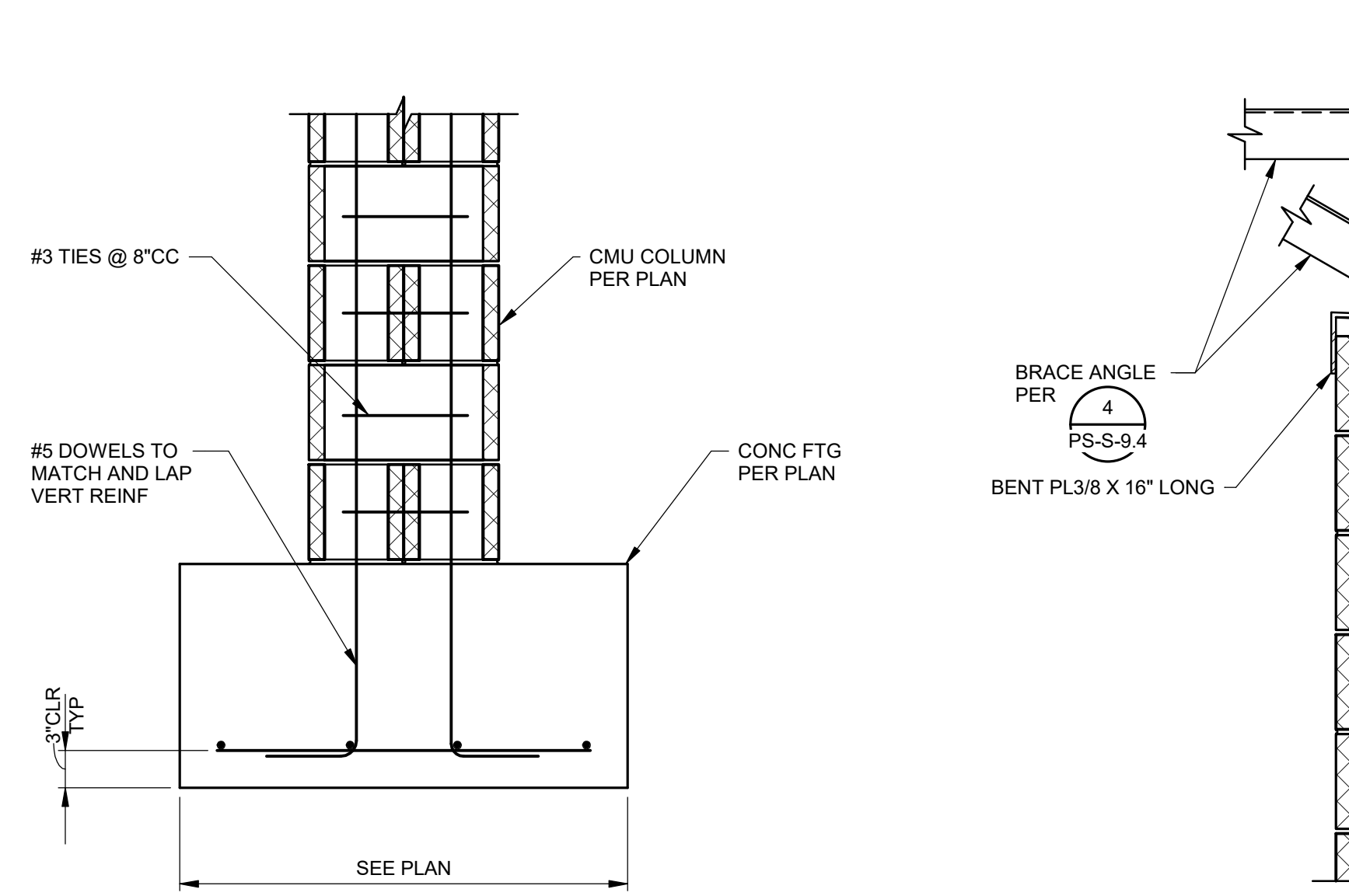
**DETAIL 1**  
PS-S-0.6  
METAL STUD BRACING CONNECTIONS @ BARE METAL ROOF DECK CONDITIONS



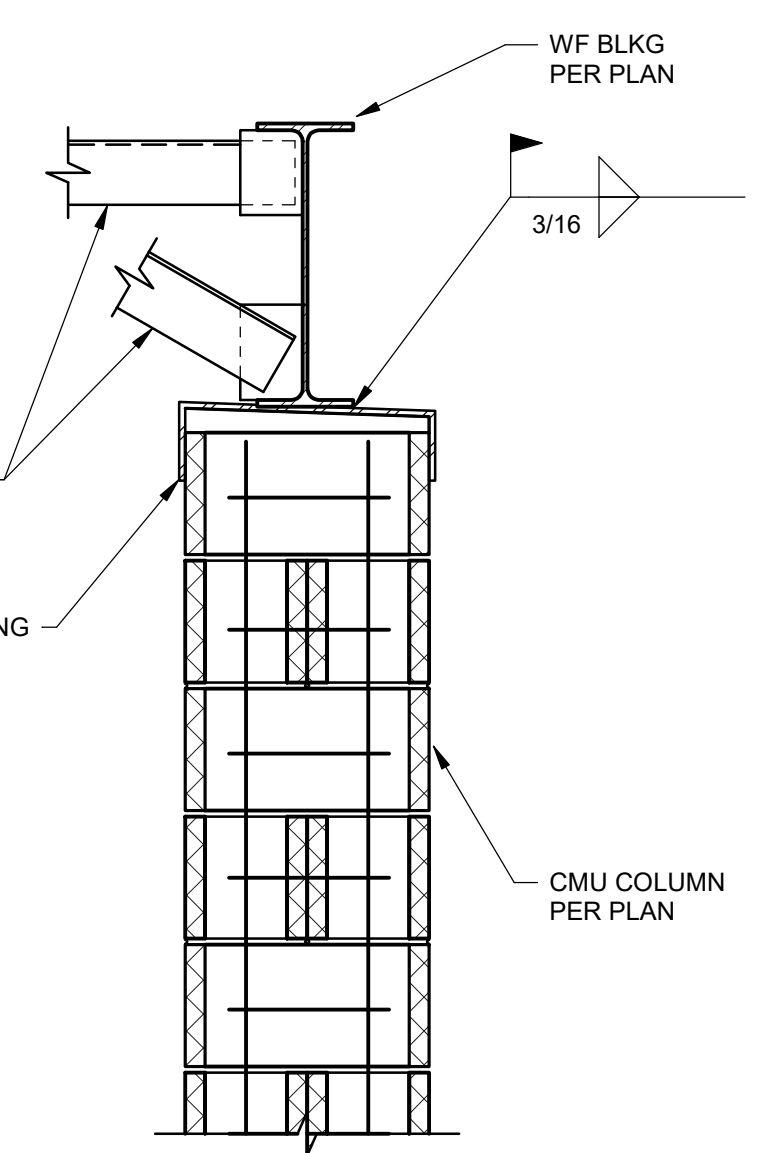
**DETAIL 2**  
PS-S-0.6  
METAL STUD BRACING CONNECTIONS AT CONC OVER MTL DECK



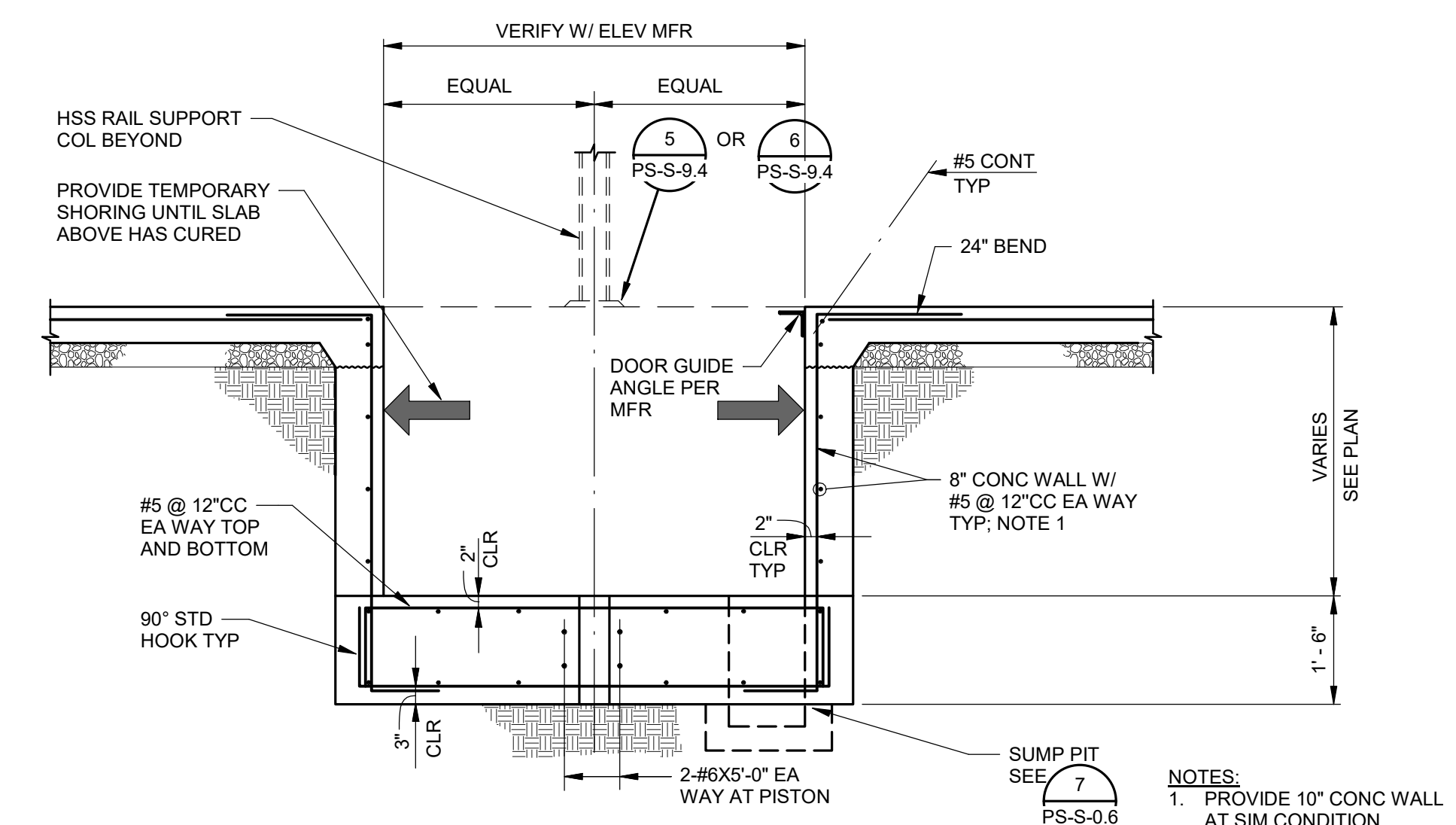
**TYPICAL SILL TRACK TO METAL DECK**  
PS-S-0.6



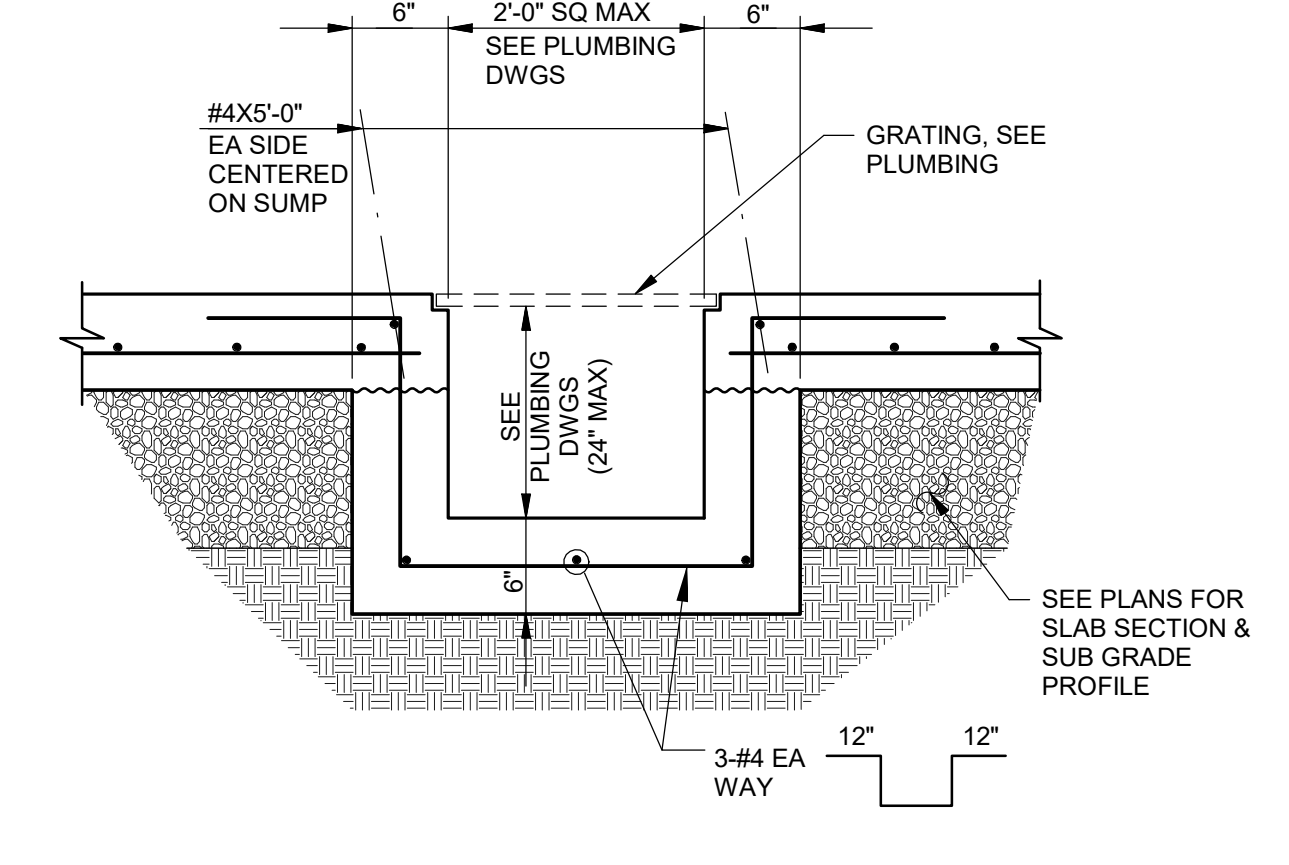
**DETAIL 4**  
PS-S-0.6  
1" = 1'-0"



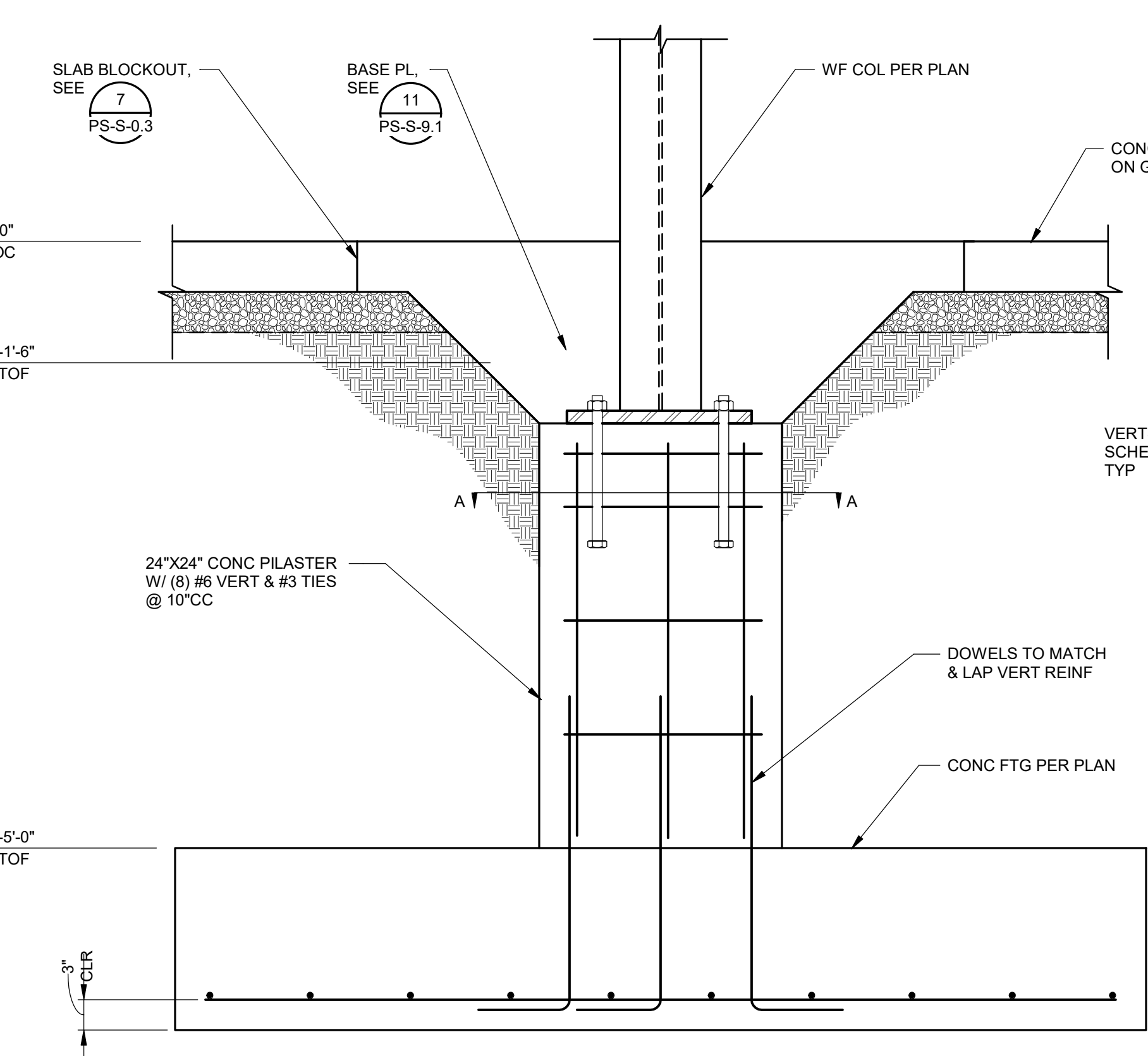
**DETAIL 5**  
PS-S-0.6  
1" = 1'-0"



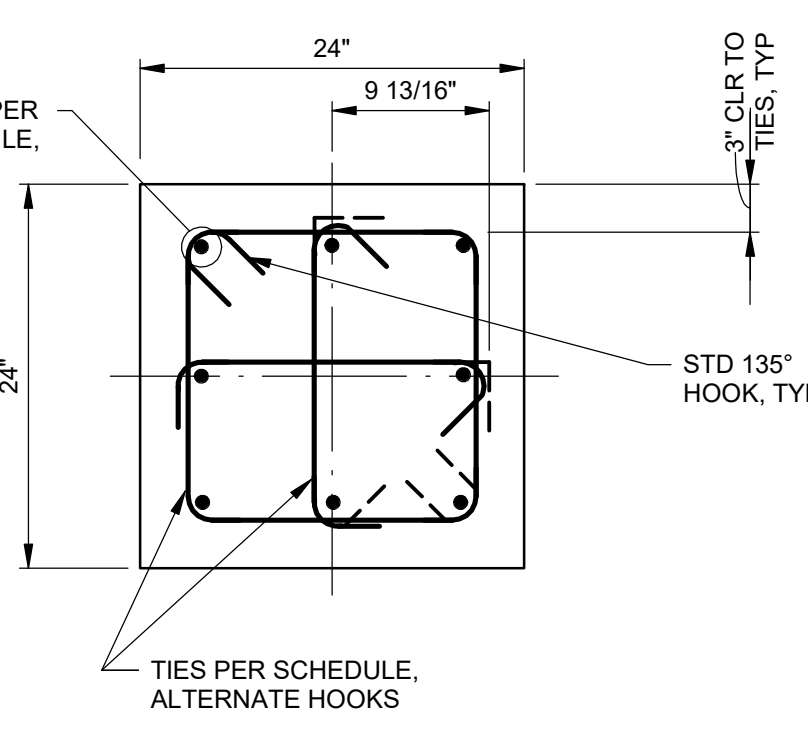
**DETAIL 6**  
PS-S-0.6  
27580001-21



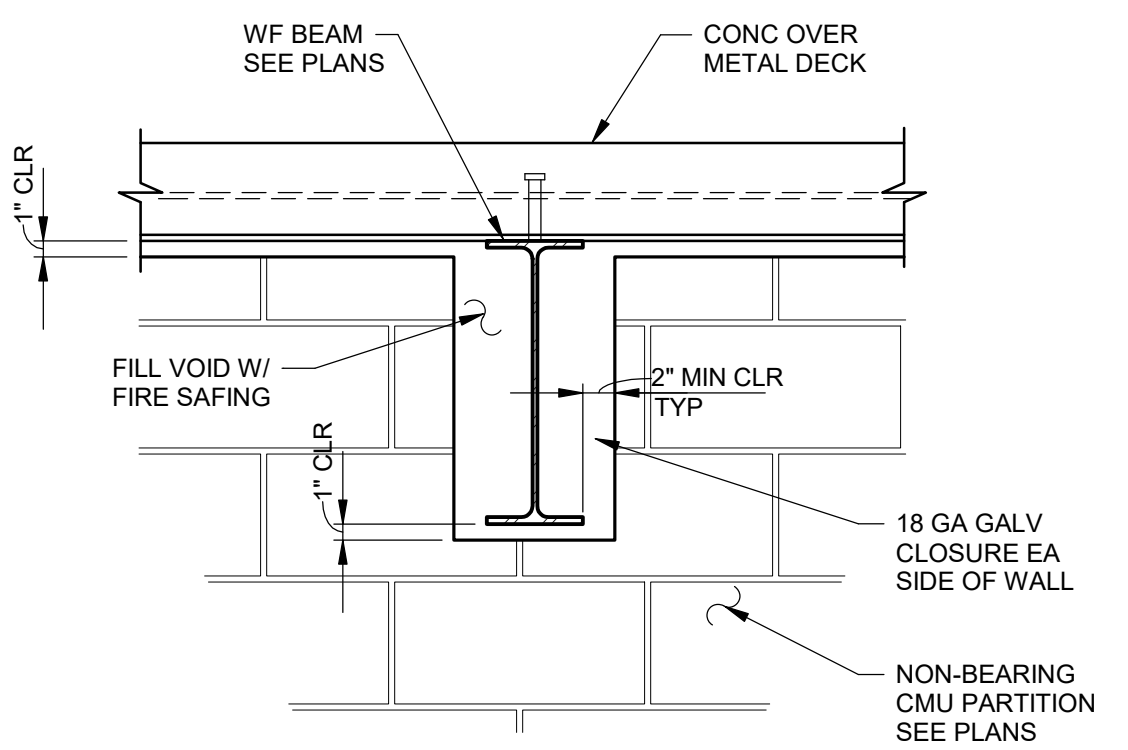
**SUMP BASIN DETAIL 7**  
PS-S-0.6  
27580002-12



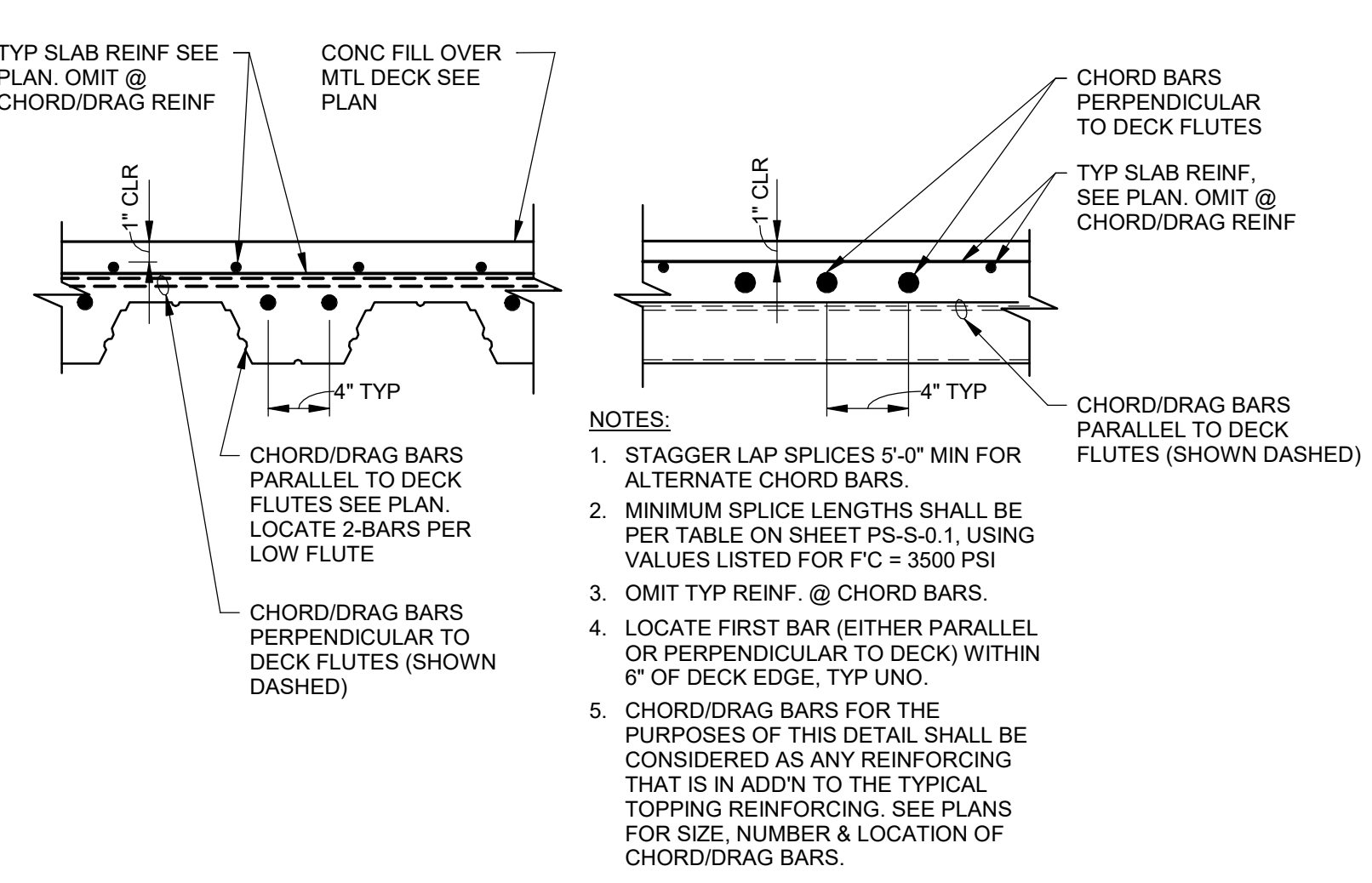
**DETAIL 8**  
PS-S-0.6  
1" = 1'-0"



SECTION A-A



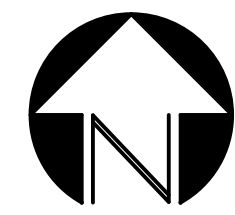
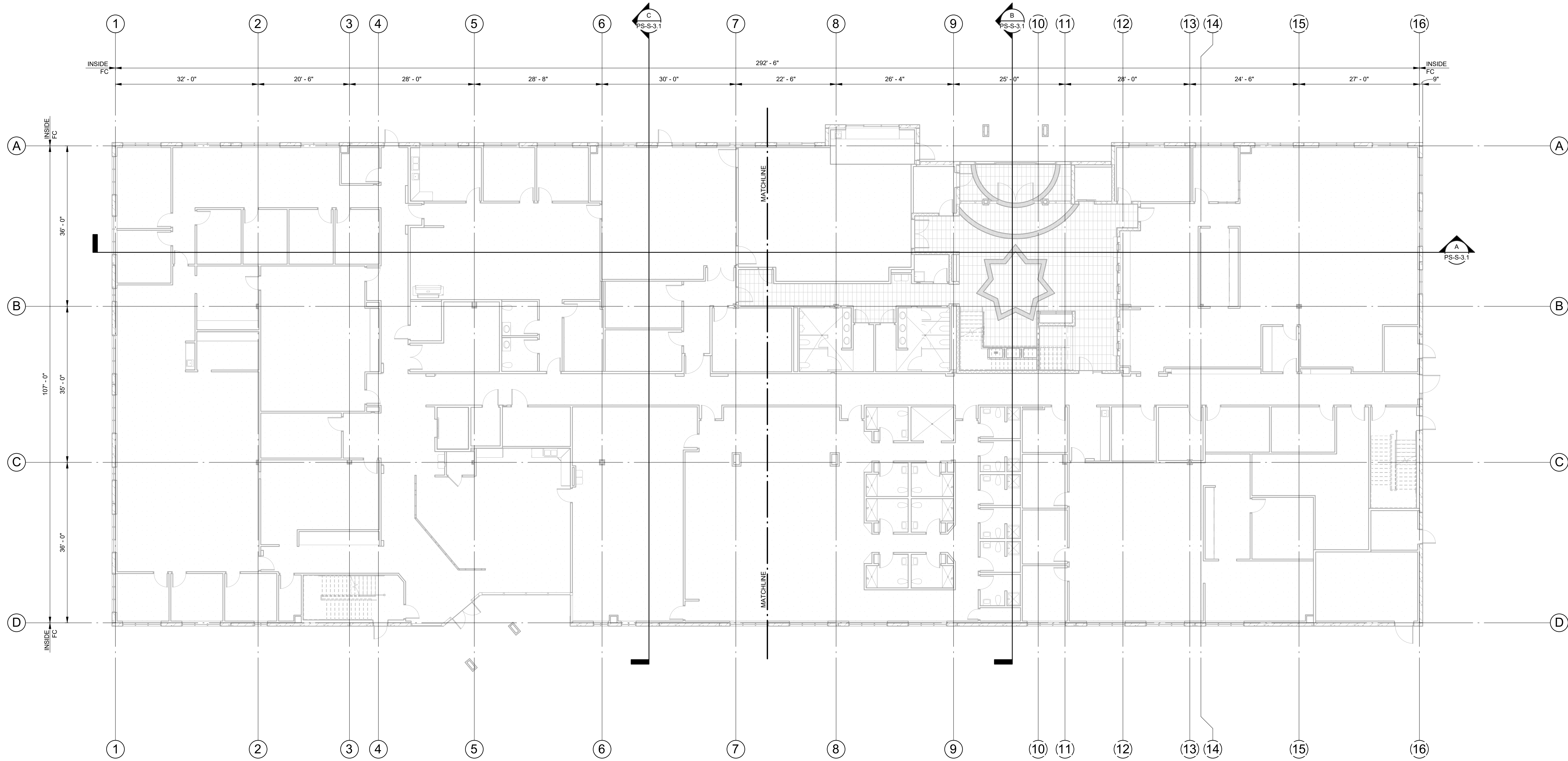
**TYPICAL BEAM PENETRATION AT MASONRY PARTITION WALL**  
PS-S-0.6  
4182005-12



**CHORD/ DRAG BAR PLACEMENT DETAIL**  
PS-S-0.6  
8318000-8  
CHORD/DRAG BARS AT CONCRETE OF METAL DECK



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600 O Street, Suite 200, Sacramento, CA 95811  
916.443.2523 Fax 916.443.2132  
Sacramento, Phoenix, San Francisco  
Los Angeles, Silicon Valley



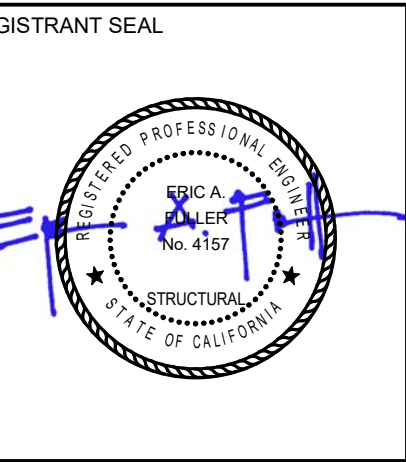
OVERALL DIMENSION PLAN — 3/32" = 1'-0"

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**C/S**  
C/S BROWARD  
**builders**

**A**  
Aarrington Watkins Architects

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**EL DORADO PUBLIC SAFETY FACILITY  
PUBLIC SAFETY BUILDING & SITE  
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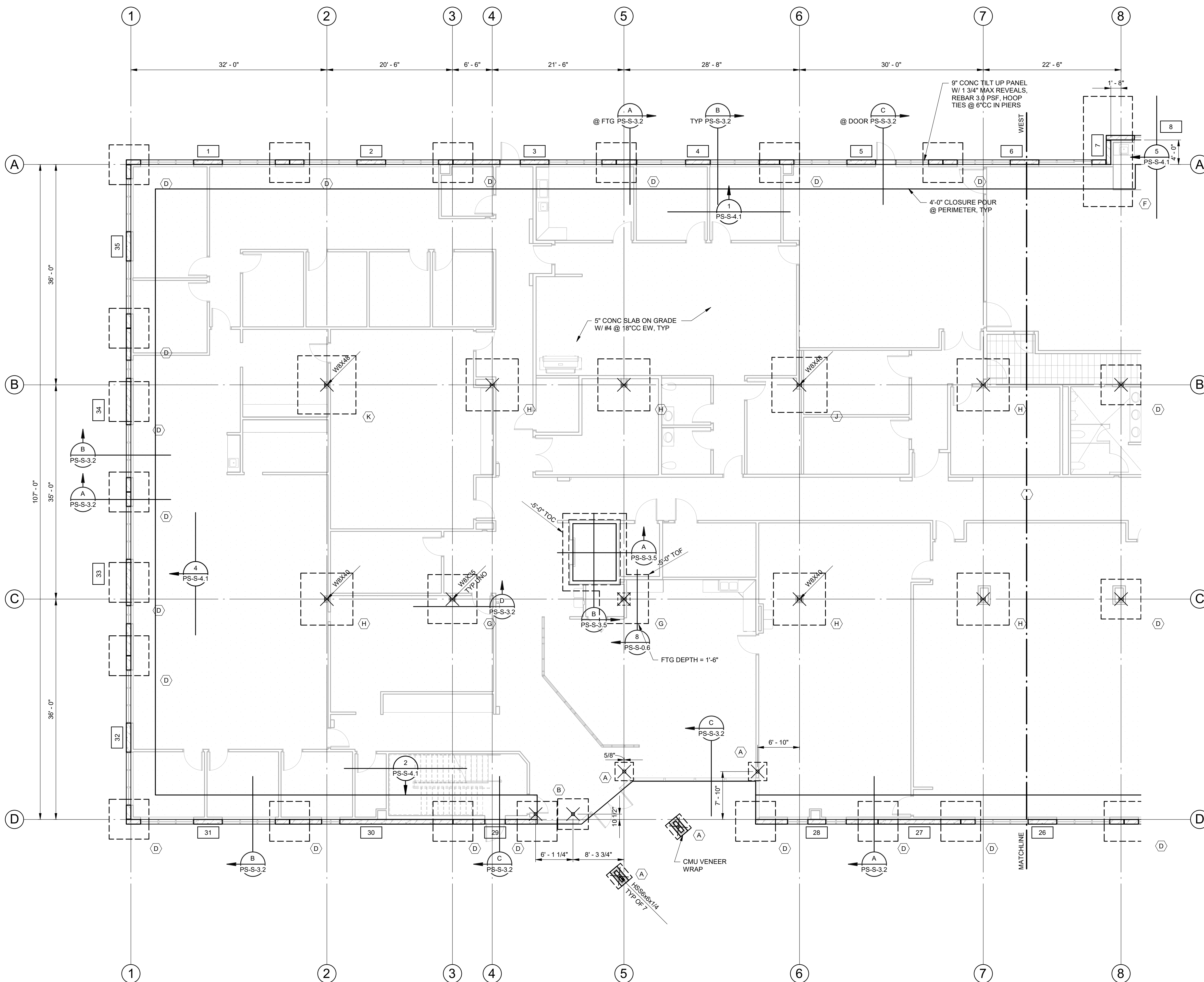
NO.	REVISION	DATE

PROJECT NO.: 2017.033  
DATE: 04-16-2018  
DESIGNED BY: R.J.M.  
DRAWN BY: P.V.B.  
APPROVED BY: \_\_\_\_\_  
SHEET TITLE:  
OVERALL DIMENSION  
PLAN



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Sacramento • Phoenix • San Francisco  
Los Angeles • Silicon Valley

SHEET NUMBER:  
**PS-S-2.0**



**FOUNDATION PLAN WEST — 1/8" = 1'-0"**

**FOUNDATION PLAN NOTES:**

1. SITE PREPARATION AND BUILDING PAD CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH SOILS REPORT # E13310.007 BY YOUNGDAHL CONSULTING GROUP DATED AUGUST 18, 2016. BOTTOM OF FOOTING EXCAVATIONS SHALL BE REVIEWED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL. FOUNDATIONS SHALL BEAR ON NATIVE SOIL, ENGINEERED FILL, OR WEATHERED BEDROCK PER THE REQUIREMENTS OF THE SOILS REPORT.
2. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS W/ ARCH'L DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS W/ DIMENSIONS SHOWN.
3. DIMENSIONS SHOWN ARE TO CL OF COLUMN OR FACE OF CONG WALL UNO.
4. VERIFY ELEVATOR PIT DIMENSIONS W/ ELEVATOR MANUFACTURER PRIOR TO CONSTRUCTION.
5. SLAB ON GRADE SHALL BE 5" THICK CONCRETE W/ #4 @ 18"CC EW AT MID-DEPTH. CONCRETE SHALL BE INSTALLED OVER 4" CLEAN CRUSHED ROCK OVER 15 ML VAPOR RETARDER. TOP OF CONCRETE SLAB IS +0'-0" UNO. DATUM ELEVATION = +100.00'
6. CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
7. PROVIDE 3" MIN. CONCRETE COVER AT STRUCTURAL STEEL AND ANCHOR BOLTS BELOW GRADE TYP.
8. PROVIDE SLAB ON GRADE CONTROL JOINTS (S,J) AS INDICATED PER TYP @ ALL INTERIOR SLABS. CONSTRUCTION JOINTS (C,J) MAY REPLACE PS-S-0.3 CONTROL JOINTS AS REQUIRED.
9. SEE SHEETS PS-S-0.1 THRU PS-S-0.5 FOR GENERAL NOTES & TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
10. GUIDE RAIL SUPPORT COLUMNS UNO SHOWN ON PLAN SHALL CONTINUE FULL HEIGHT TO UNDERSIDE OF ROOF STRUCTURE. COORDINATE LOCATION OF COLUMNS WITH ELEVATOR MFR. FOR TYPICAL CONNECTION OF SUPPORT COLUMN TO ELEV. PIT SEE PS-S-9.4.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE SLAB CONTROL JOINTS WITH ANY ARCHITECTURALLY EXPOSED SLAB AREAS OR THE LOCATION OF TILE CRACK CONTROL JOINTS. VERIFY SPECIAL POSITION HEREIN WITH ARCH'L DRAWINGS.
12. DESIGN, FABRICATION AND INSTALLATION OF MANUFACTURED STAIRS IS BY OTHERS. STAIR DESIGNER TO COORDINATE LOADING OF ADJACENT STRUCTURE W/ SEIOR BEFORE COMMENCING DESIGN WORK.
13. PROVIDE THICKENED SLAB @ BASE OF ALL STAIRS PER PS-S-9.4.
14. CONTRACTOR TO COORDINATE EXACT DIMENSIONS AND LOCATIONS OF THICKENED SLABS, HOUSEKEEPING PADS, ETC. WITH ALL OTHER DISCIPLINES' DWGS AS WELL AS WITH THE EQUIPMENT PROVIDED PRIOR TO COMMENCING WORK.
15. SEE ARCH'L & CIVIL DRAWINGS FOR ALL EXTERIOR CURBS, FLATWORK, PLANTERS, RAMPS, ETC.
16. CONTINUE ALL REINFORCING IN CONTINUOUS FOOTINGS THROUGH SPREAD FOOTINGS, TYP. UNO.
17. MK INDICATES REFERENCE TO FOOTING SCHEDULE. SEE PS-S-2.1.
18. MKB INDICATES THAT ADDITIONAL TOP REINFORCING AS NOTED IN SCHEDULE SHALL BE PLACED @ 2' CLR OF TOP OF FOOTING.
19. INDICATES CONCRETE CURB. FOR CURBS BELOW NON-STRUCTURAL WALLS. SEE PS-S-0.3 & 14. VERIFY EXACT EXTENT W/ ARCH'L DWGS.
20. INDICATES CONCRETE OVERBUILD AREA PER UNO. SEE ARCH'L FOR EXTENT.
21. INDICATES SLOPED AND/OR DEPRESSED SLAB. DEPRESS BUILDING PAD AND PROVIDE FULL SLAB AND BASE THICKNESS. WHERE DEPRESSION IS GREATER THAN 2" AND ADJACENT TO BUILDING FOUNDATION ELEMENT IT MAY BE NECESSARY TO STEP FOOTING IN ORDER TO MAINTAIN MINIMUM FOOTING EMBEDMENT PER SECTIONS. CONTRACTOR TO COORDINATE IN FIELD. SEE ALSO PS-S-0.3.
22. ALL DEPRESSIONS, SLOPES, CURBS, ETC. ARE SHOWN FOR REFERENCE ONLY. FOR EXACT DEPTHS, SLOPES, EXTENTS, ETC. SEE OTHER DISCIPLINES' DRAWINGS.
23. TEMPORARY LOADS APPLIED DURING CONSTRUCTION HAVE NOT BEEN CONSIDERED IN SLAB ON GRADE DESIGN.
24. INDICATES TOP OF FOOTING ELEVATION WITH RESPECT TO REFERENCE TOP OF CONCRETE @ 0'-0" UNO. THE BOTTOM OF ALL FOOTINGS SHALL BE AT LEAST 18" BELOW ADJACENT MINIMUM PREPARED BUILDING PAD ELEVATION (ON ALL SIDES), TYP UNO AND AS SHOWN ON SECTIONS.
25. INDICATES SLAB STEP PER PS-S-0.3.
26. INDICATES FOOTING STEP PER PS-S-0.3. STEP LOCATIONS ARE DIAGRAMMATIC ONLY. CONTRACTOR TO COORDINATE IN FIELD. INTENT IS THAT NO TOP OF FTG IS WITHIN 12" OF EXTERIOR FINISH GRADE.
27. INDICATES TOP OF CONCRETE SLAB ELEVATION RELATIVE TO REFERENCE T.O. CONCRETE @ 0'-0" UNO.
28. INDICATES HSS COLUMN & SIZE. FOR BASE PLATE, SEE PS-S-9.3 TYP UNO.
29. INDICATES WIDE FLANGE COLUMN. SIZE PER PLAN. FOR BASE PLATE, SEE PS-S-9.1 TYP UNO.
30. INDICATES CONCRETE TILT-UP WALL PANEL. TYP UNO. SEE ELEVATIONS FOR ADD'L INFO.
31. INDICATES CONCRETE TILT-UP WALL NUMBER. SEE ELEVATIONS ON SHEETS PS-S-4.1 THRU PS-S-4.3.
32. INDICATES CMU WALL. FOR REINFORCING, SEE PS-S-0.3. CONDUITS IN CMU TO BE PER CMU NOTES.
33. INDICATES WALL CONTROL JOINT PER PS-S-0.3 & 410SD010 & 411SD009.

**FOOTING SCHEDULE**

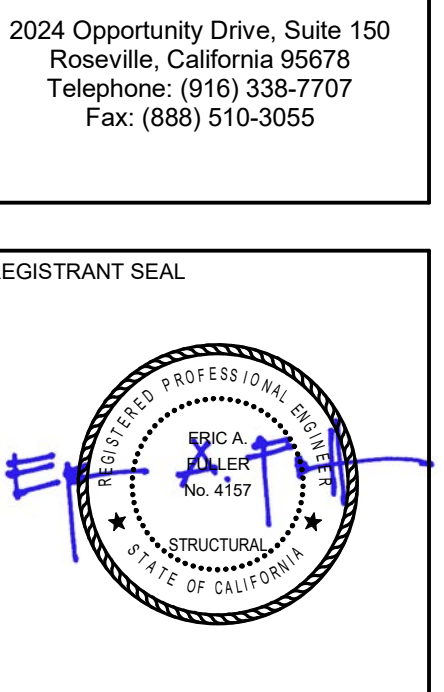
Mk	WIDTH	LENGTH	DEPTH	REINFORCING
A	3'-0"	3'-0"	1'-6"	(4) #6 EW (B)
B	5'-0"	5'-0"	1'-6"	(7) #6 EW (B)
C	6'-0"	6'-0"	2'-0"	(8) #6 EW (B)
D	6'-6"	6'-6"	2'-0"	(8) #6 EW (B)
E	7'-0"	7'-0"	2'-0"	(8) #6 EW (B)
F	8'-0"	18'-0"	2'-0"	(8) #8 LONG, (15) #6 TRANS (B)
G	8'-0"	8'-0"	2'-0"	(10) #6 EW (B)
H	8'-6"	8'-6"	2'-0"	(11) #6 EW (B)
J	9'-0"	9'-0"	2'-0"	(11) #6 EW (B)
K	9'-6"	9'-6"	2'-0"	(12) #6 EW (B)
L	6'-6"	8'-6"	2'-0"	(10) #6 EW (B), (13) #6 TRANS (B)

NOTES:  
 1. INDICATES WALL CONTROL JOINT PER PS-S-0.3 & 410SD010 & 411SD009.

**C/S**  
**C/S BROWARD**  
**builders**

**Arrington Watkins Architects**

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**EL DORADO PUBLIC SAFETY FACILITY**  
**PUBLIC SAFETY BUILDING & SITE**  
**200 INDUSTRIAL DRIVE**  
**DIAMOND SPRINGS, CA 95619**



NO.	REVISION	DATE

PROJECT NO.: 2017.033  
 DATE: 04-16-2018  
 DESIGNED BY: RJM  
 DRAWN BY: PVB  
 APPROVED BY: \_\_\_\_\_

SHEET TITLE:  
 FOUNDATION PLAN - WEST

**B&B**  
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 800 O Street, Suite 200, Sacramento, CA 95811  
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 Sacramento • Phoenix • San Francisco  
 Los Angeles • Silicon Valley

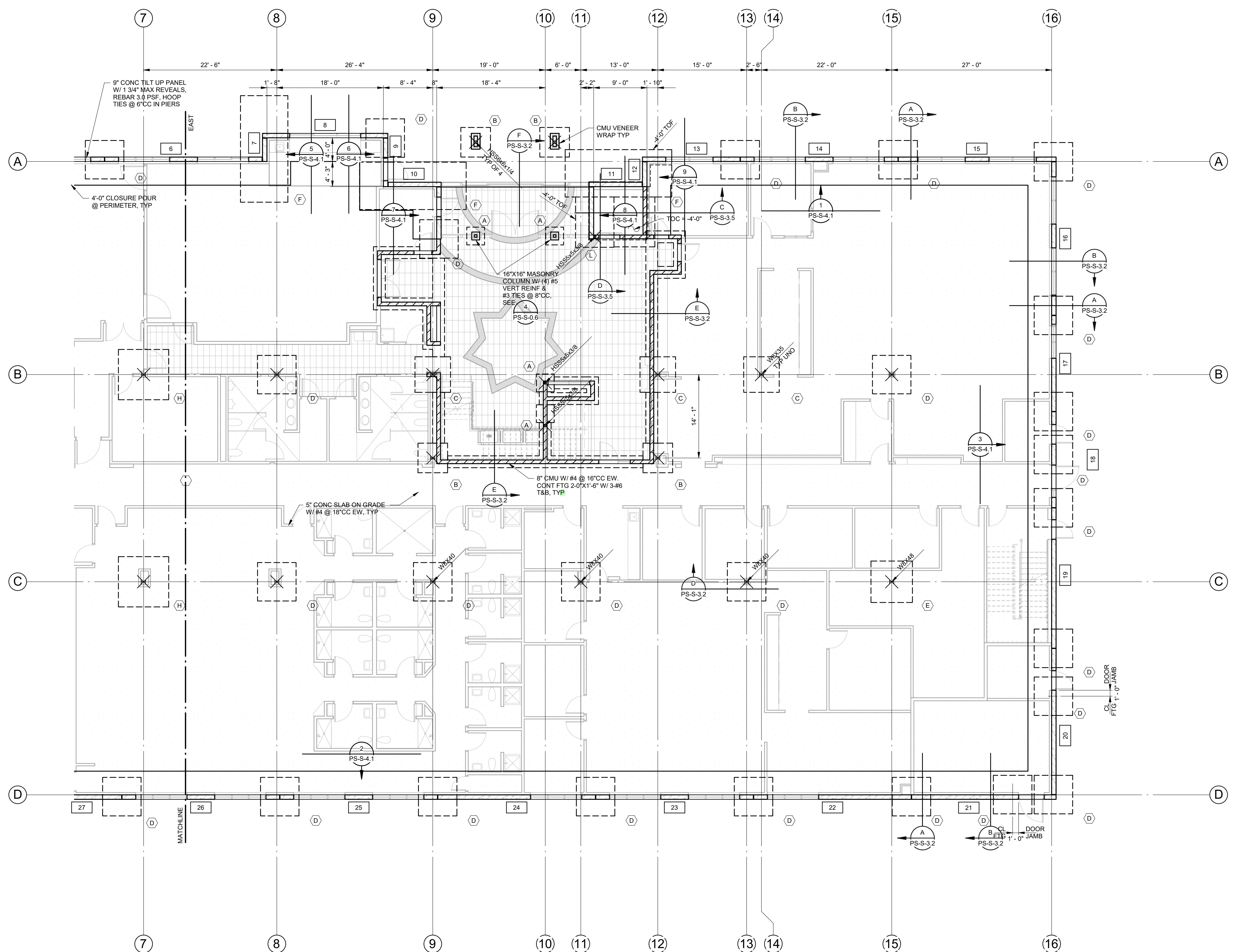
**SHEET NUMBER:**  
**PS-S-2.1**

18-0565 D 8 of 30



**FOUNDATION PLAN NOTES:**

- SITE PREPARATION AND BUILDING PAD CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH SOILS REPORT # E13310.007 BY YOUNGDAHL CONSULTING GROUP DATED AUGUST 18, 2016. BOTTOM OF FOOTING EXCAVATIONS SHALL BE REVIEWED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL. FOUNDATIONS SHALL BEAR ON NATIVE SOIL, ENGINEERED FILL, OR WEATHERED BEDROCK PER THE REQUIREMENTS OF THE SOILS REPORT.
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- DIMENSIONS SHOWN ARE TO CL OF COLUMN OR FACE OF CONG WALL UNO.
- VERIFY ELEVATOR PIT DIMENSIONS W/ ELEVATOR MANUFACTURER PRIOR TO CONSTRUCTION.
- SLAB ON GRADE SHALL BE 5" THICK CONCRETE W/ #4 @ 18" CC EW AT MID-DEPTH. CONCRETE SHALL BE INSTALLED OVER 4" CLEAN CRUSHED ROCK OVER 15 ML VAPOR RETARDER. TOP OF CONCRETE SLAB IS +0'-0" UNO. DATUM ELEVATION = +100.00'
- CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
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- PROVIDE SLAB ON GRADE CONTROL JOINTS (S.J) AS INDICATED PER TYP @ ALL INTERIOR SLABS. CONSTRUCTION JOINTS (C.J) MAY REPLACE PS-S-0.3 CONTROL JOINTS AS REQUIRED.
- SEE SHEETS PS-S-0.1 THRU PS-S-0.5 FOR GENERAL NOTES & TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
- GUIDE RAIL SUPPORT COLUMNS UNO SHOWN ON PLAN SHALL CONTINUE FULL HEIGHT TO UNDERSIDE OF ROOF STRUCTURE. COORDINATE LOCATION OF COLUMNS WITH ELEVATOR MFR. FOR TYPICAL CONNECTION OF SUPPORT COLUMN TO ELEV. PIT SEE PS-S-9.4.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE SLAB CONTROL JOINTS WITH ANY ARCHITECTURALLY EXPOSED SLAB AREAS OR THE LOCATION OF TILE CRACK CONTROL JOINTS. VERIFY SPECIAL JOINT CONTROL WITH ARCHL DRAWINGS.
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- PROVIDE THICKENED SLAB @ BASE OF ALL STAIRS PER PS-S-9.4.
- CONTRACTOR TO COORDINATE EXACT DIMENSIONS AND LOCATIONS OF THICKENED SLABS, HOUSEKEEPING PADS, ETC. WITH ALL OTHER DISCIPLINES' DWGS AS WELL AS WITH THE EQUIPMENT PROVIDED PRIOR TO COMMENCING WORK.
- SEE ARCHL & CIVIL DRAWINGS FOR ALL EXTERIOR CURBS, FLATWORK, PLANTERS, RAMPS, ETC.
- CONTINUE ALL REINFORCING IN CONTINUOUS FOOTINGS THROUGH SPREAD FOOTINGS, TYP. UNO.
- INDICATES REFERENCE TO FOOTING SCHEDULE. SEE PS-S-2.1.
- INDICATES THAT ADDITIONAL TOP REINFORCING AS NOTED IN SCHEDULE SHALL BE PLACED @ 2' CLR OF TOP OF FOOTING.
- INDICATES CONCRETE CURB. FOR CURBS BELOW NON-STRUCTURAL WALLS. SEE PS-S-0.3 & PS-S-0.3. VERIFY EXACT EXTENT W/ ARCHL DWGS.
- INDICATES CONCRETE OVERBUILD AREA PER PS-S-0.3 UNO. SEE ARCHL FOR EXTENT.
- INDICATES SLOPED AND/OR DEPRESSIONED SLAB. DEPRESS BUILDING PAD AND PROVIDE FULL SLAB AND BASE THICKNESS. WHERE DEPRESSION IS GREATER THAN 2" AND ADJACENT TO BUILDING FOUNDATION ELEMENT IT MAY BE NECESSARY TO STEP FOOTING IN ORDER TO MAINTAIN MINIMUM FOOTING EMBEDMENT PER SECTIONS. CONTRACTOR TO COORDINATE IN FIELD. SEE ALSO PS-S-0.3.
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- INDICATES TOP OF FOOTING ELEVATION WITH RESPECT TO REFERENCE TOP OF CONCRETE @ BOTTOM OF ALL FOOTINGS SHALL BE AT LEAST 18" BELOW ADJACENT MINIMUM PREPARED BUILDING PAD ELEVATION (ON ALL SIDES), TYP UNO AND AS SHOWN ON SECTIONS.
- INDICATES SLAB STEP PER PS-S-0.3.
- INDICATES FOOTING STEP PER PS-S-0.3. STEP LOCATIONS ARE DIAGRAMMATIC ONLY. CONTRACTOR TO COORDINATE IN FIELD. INTENT IS THAT NO TOP OF FTG IS WITHIN 12" OF EXTERIOR FINISH GRADE.
- INDICATES TOP OF CONCRETE SLAB ELEVATION RELATIVE TO REFERENCE T.O. CONCRETE @ 0.00'.
- INDICATES HSS COLUMN & SIZE. FOR BASE PLATE, SEE PS-S-9.3 TYP UNO.
- INDICATES WIDE FLANGE COLUMN, SIZE PER PLAN. FOR BASE PLATE, SEE PS-S-9.1 TYP UNO.
- INDICATES CONCRETE TILT-UP WALL PANEL. TYP UNO. SEE ELEVATIONS FOR ADD'L INFO.
- INDICATES CONCRETE TILT-UP WALL NUMBER. SEE ELEVATIONS ON SHEETS PS-S-4.1 THRU PS-S-4.3.
- INDICATES CMU WALL. FOR REINFORCING, SEE PS-S-0.3. CONDUITS IN CMU TO BE PER CMU NOTES.
- INDICATES WALL CONTROL JOINT PER PS-S-0.3 & PS-S-0.3.

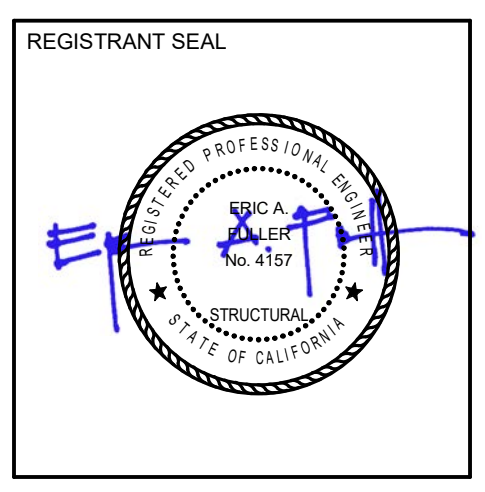


**FOUNDATION PLAN EAST — 1/8" = 1'-0"**

**C/S**  
C/S BROWARD  
builders

**Arrington Watkins Architects**

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**EL DORADO PUBLIC SAFETY FACILITY  
PUBLIC SAFETY BUILDING & SITE  
200 INDUSTRIAL DRIVE  
DIAMOND SPRINGS, CA 95619**



NO.	REVISION	DATE

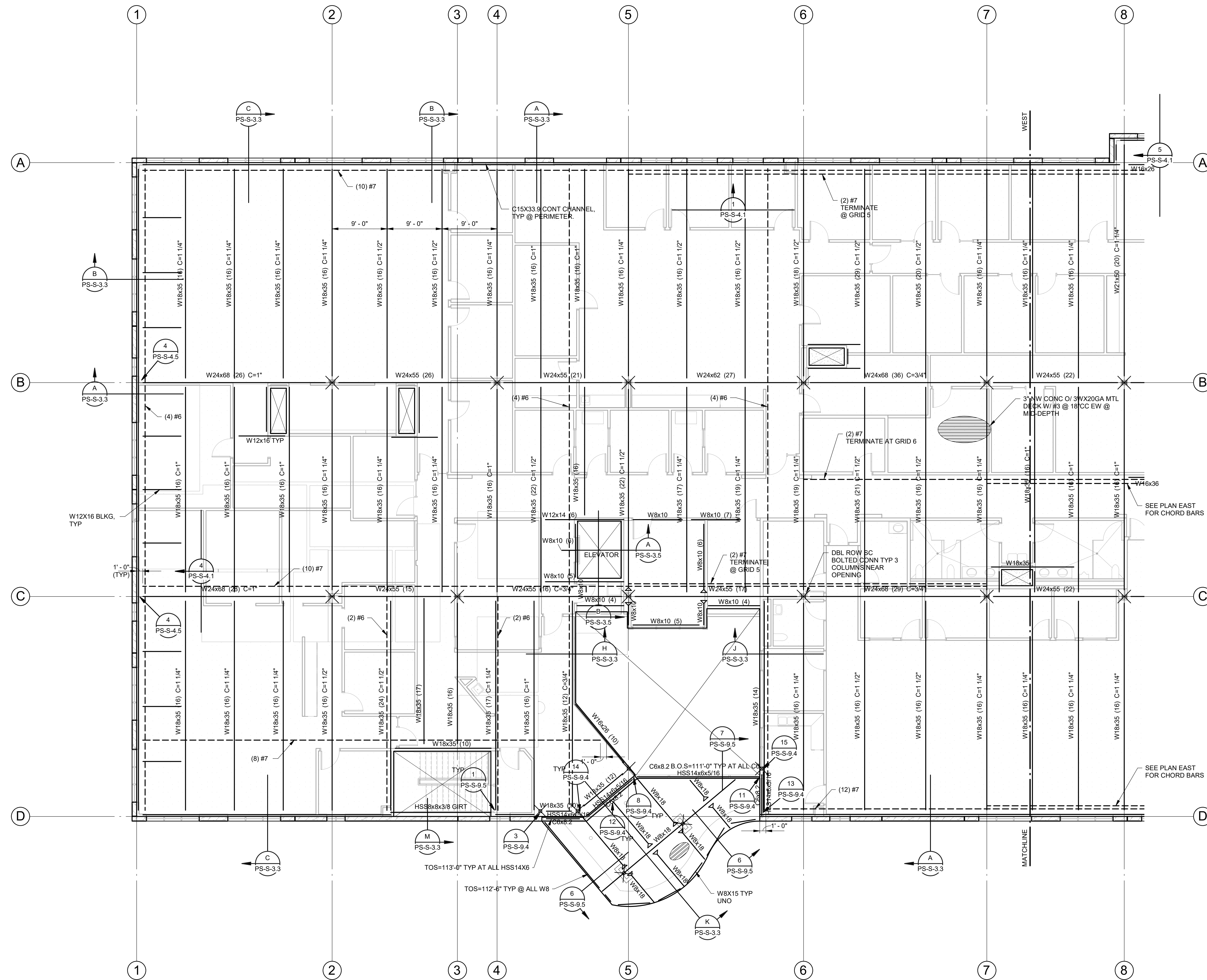
PROJECT NO.: 2017\_033  
DATE: 04-16-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY: \_\_\_\_\_  
SHEET TITLE: FOUNDATION PLAN - EAST

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Los Angeles, Silicon Valley

SHEET NUMBER:  
**PS-S-2.2**  
18-0565 D 9 of 30

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4/16/2018 9:46:04 AM C:\prow\2017\044100\_PS Public Safety\_R17\_Constr\_Mat.p14



2ND FLOOR FRAMING PLAN WEST — 1/8" = 1'-0"

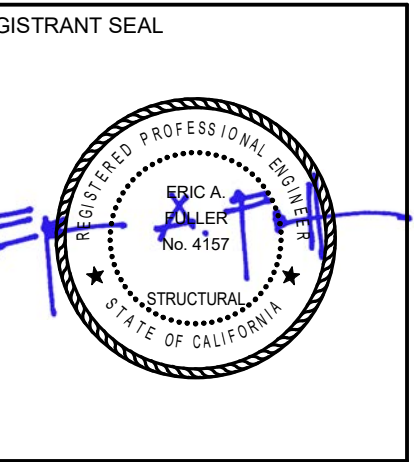
TOC = 115'-0"  
TOS = 114'-6"

FLOOR FRAMING PLAN NOTES:

- 1. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS W/ ARCH'D DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS W/ DIMENSIONS SHOWN.
2. DIMENSIONS SHOWN ARE TO CL OF COLUMN OR FACE OF CONC WALL, UNO.
3. SEE SHEETS PS-S-0.1 THRU PS-S-0.5 FOR GENERAL NOTES & TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
4. (A) OR (B) INDICATES COLUMN IS ABOVE ONLY (A) OR BELOW ONLY (B). NO SYMBOL INDICATES THAT COL IS ABOVE AND BELOW.
5. FOR CONNECTION OF ELEVATOR GUIDE RAIL SUPPORT FRAMING TO STRUCTURE SEE CONTRACTOR TO COORD LOCATION WITH ELEVATOR INSTALLER.
6. DESIGN, FABRICATION AND INSTALLATION OF MANUFACTURED STAIRS IS BY OTHERS. STAIR DESIGNER TO COORDINATE LOADING OF ADJACENT STRUCTURE W/ SEOR BEFORE COMMENCING DESIGN WORK. FOR ADDITIONAL INFORMATION SEE STAIR NOTES AT SHEET PS-S-0.1.
7. FOR GUIDELINES AND LIMITATIONS FOR SUPPORTING FROM STRUCTURE, SEE
8. INDICATES FLOOR OPENING. LOCATE OPENING PER AMEP DRAWINGS. FOR SUPPORT, SEE
9. SEE SHEETS PS-S-0.1 & PS-S-0.3 FOR TYPICAL STEEL DETAILS.
10. SEE SHEET PS-S-0.2 FOR TYPICAL CONCRETE OVER METAL DECK DETAILS.
11. INDICATES ELEVATION OF TOP OF STEEL FRAMING AND BOTTOM OF METAL DECK.
12. INDICATES CONC OVER METAL DECK. ORIENTATION AS SHOWN ON PLAN. PROVIDE DECK WELDING TO ALL BEAMS PER
13. CONCRETE OVER METAL DECK CONSTRUCTION SHALL BE 3"X20GA TYPE 3W STEEL FLOOR DECK (TWO SPAN MINIMUM WITHOUT SHORING) WITH MIN 3 1/2" NW CONCRETE. REINFORCE CONCRETE WITH #3 @ 18"OC EACH WAY.
14. THE MINIMUM THICKNESS OF CONCRETE OVER METAL DECK SHALL BE AS SPECIFIED ON PLAN. NOTE THAT THE CONCRETE DEPTH WILL VARY DUE TO DECK AND BEAM DEFLECTIONS DURING CONCRETE PLACEMENT, AND SHALL BE CONSIDERED IN THE ESTIMATING OF CONCRETE VOLUME, COST AND PLACEMENT STRATEGIES. SEE SPEC SECTION 053000 SUBSECTIONS 4.4.5 AND 2.1.K FOR ADDITIONAL REQUIREMENTS RELATED TO CONCRETE PLACEMENT. FOR ADDITIONAL INFORMATION SEE
15. SEE ARCH'D DWGS FOR LOCATION OF ALL SLAB EDGES AT FLOOR PERIMETER AND AROUND OPENINGS. WHERE NOT SHOWN OR INDICATED OTHERWISE ON STRUCTURAL OR ARCH'D DWGS, BEAMS ADJACENT TO SLAB EDGES SHALL BE 9" FROM CL OF BEAM TO EDGE OF SLAB.
16. NO MECH'L ELEC'L PLUMBING OR OTHER NON-STRUCTURAL ITEMS SHALL BE PLACED IN CONCRETE OVER METAL DECK.
17. CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
18. W18x35 (32) INDICATES BEAM SIZE, NUMBER OF 3/4"X10" HEADED STUDS, AND UPWARD CAMBER (WHERE NO CAMBER IS SPECIFIED FABRICATE WITH NATURAL MILL CAMBER UP). PROVIDE 3/4"X10" STUDS @ 24"OC MIN AT ALL BEAMS THAT RECEIVE MTL DECK AND CONCRETE. TYP. PROVIDE SPACING OF STUDS AT 1"OC AT ALL BEAMS W/ CONNECTIONS INDICATED AS UNLESS MORE STRINGENT REQUIREMENT IS NOTED ON PLANS. MINIMUM STUD LENGTH SHALL BE 5" LONG AFTER WELDING.
19. W10 DENOTES W10x15 TYP. UNO.
W12 DENOTES W12x16 TYP. UNO.
W14 DENOTES W14x22 TYP. UNO.
C12 DENOTES C12x20.7 TYP. UNO.
20. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED COLUMNS, GRIDS, OR BEAMS WHERE OCCURS, TYP UNO.
21. FOR TYPICAL BEAM TO BEAM CONNECTION, SEE
22. FOR TYPICAL BEAM TO COLUMN CONNECTION, SEE
23. INDICATES WF NON-FRAME MOMENT CONNECTION, SEE
24. INDICATES SINGLE ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER
25. INDICATES DOUBLE ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER
26. INDICATES WELDED CONNECTION PER
27. INDICATES WIDE FLANGE COLUMN. SIZE INDICATED @ BASE LEVEL OF COLUMN ONLY.
INDICATES HSS COLUMN. SIZE INDICATED @ BASE LEVEL OF COLUMN ONLY.
28. VERIFY ALL FLOOR OPENINGS, LOCATIONS & DIMENSIONS WITH ARCH'D DWGS PRIOR TO FABRICATION AND DETAILING. ALL FLOOR OPENINGS SHALL BE REINFORCED AS SHOWN ON TYPICAL METAL DECK SHEET PS-S-0.2. ADD'L WF BLKG MAY BE REQ'D @ FLOOR OPNGS AS SHOWN ON PLAN OR WHERE OPNGS EXCEED PROVISIONS OF TYPICAL DETAILS.
29. CONTRACTOR TO COORDINATE EXACT LOCATION OF FRAMING MEMBERS SUPPORTING MECHANICAL UNITS & SIMILAR ITEMS NOT DIMENSIONED ON PLAN.
30. DASHED LINE INDICATES BOTTOM FLANGE BRACE. ARROW INDICATES LOW END, SEE INTENT IS THAT BRACES ARE EQUALLY SPACED BTWN ADJACENT GIRDERS OR BEAMS, UNO ON PLAN.
SOLID LINE INDICATES BOTTOM FLANGE BRACING. SEE
31. INDICATES DEPRESSION IN CONCRETE OVER METAL DECK - SEE PLAN FOR DEPTH OF DEPRESSION. SEE ARCH'D DWGS FOR EXACT LOCATION AND EXTENT. DEPRESS FLOOR SLAB PER
32. INDICATES CONCRETE CURB. SEE
33. ALL VISUALLY EXPOSED STEEL SHALL MEET 'ARCHITECTURALLY EXPOSED STRUCTURAL STEEL' REQUIREMENTS. SEE ARCH'D DWGS AND SPECS.
34. INDICATES SOLID GROUTED CONC MASONRY WALL. SEE FOUNDATION PLAN FOR ADD'L INFO.
35. INDICATES CONCRETE WALL. SEE FOUNDATION PLAN FOR ADD'L INFO.
36. INDICATES SOLID GROUTED CONC MASONRY WALL BELOW.
37. INDICATES CONCRETE WALL BELOW.
38. INDICATES MECHANICAL UNIT. ALL BLOCKING BEAMS SHOULD BE W10X12 UNO AND SHALL BE LOCATED DIRECTLY BELOW UNIT EDGES AND/OR CURB. SEE MECHANICAL UNIT SCHEDULE FOR WEIGHTS AND ATTACHMENT OF UNIT/ CURB TO STRUCTURE.
39. INDICATES CHORD BARS IN CONC OVER MTL DECK. SEE



2024 Opportunity Drive, Suite 150  
Roseville, California 95678  
Telephone: (916) 538-7707  
Fax: (888) 510-3055



EL DORADO PUBLIC SAFETY FACILITY  
PUBLIC SAFETY BUILDING & SITE  
200 INDUSTRIAL DRIVE  
DIAMOND SPRINGS, CA 95619

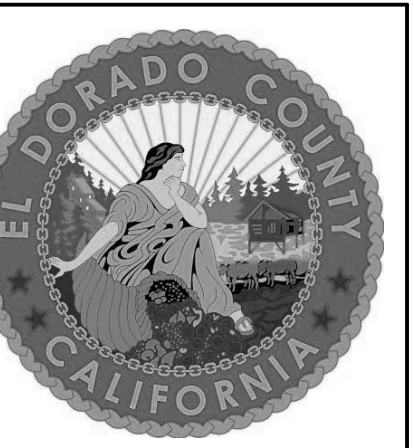


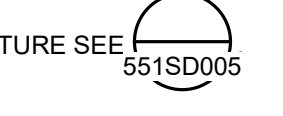

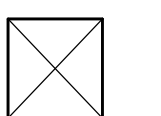

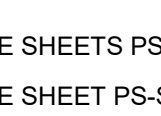

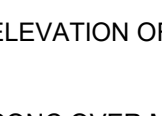
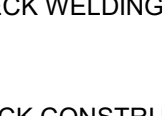
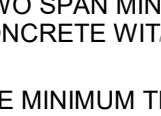
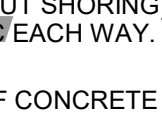
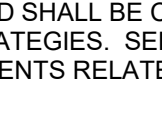
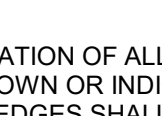
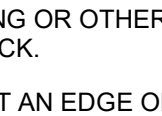
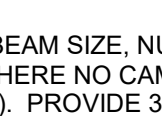

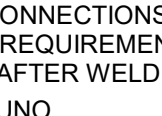
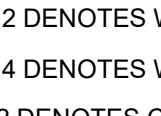
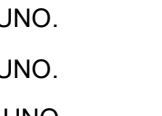
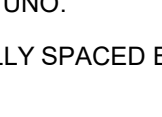
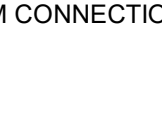
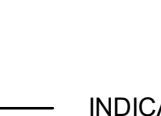

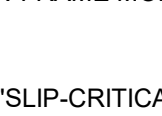




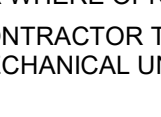
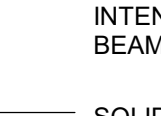
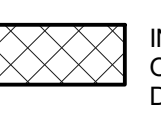
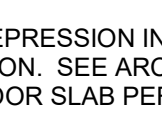
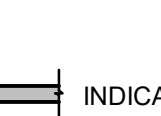
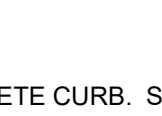
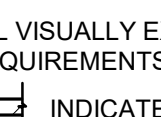
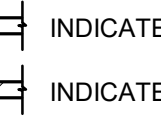

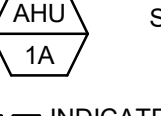


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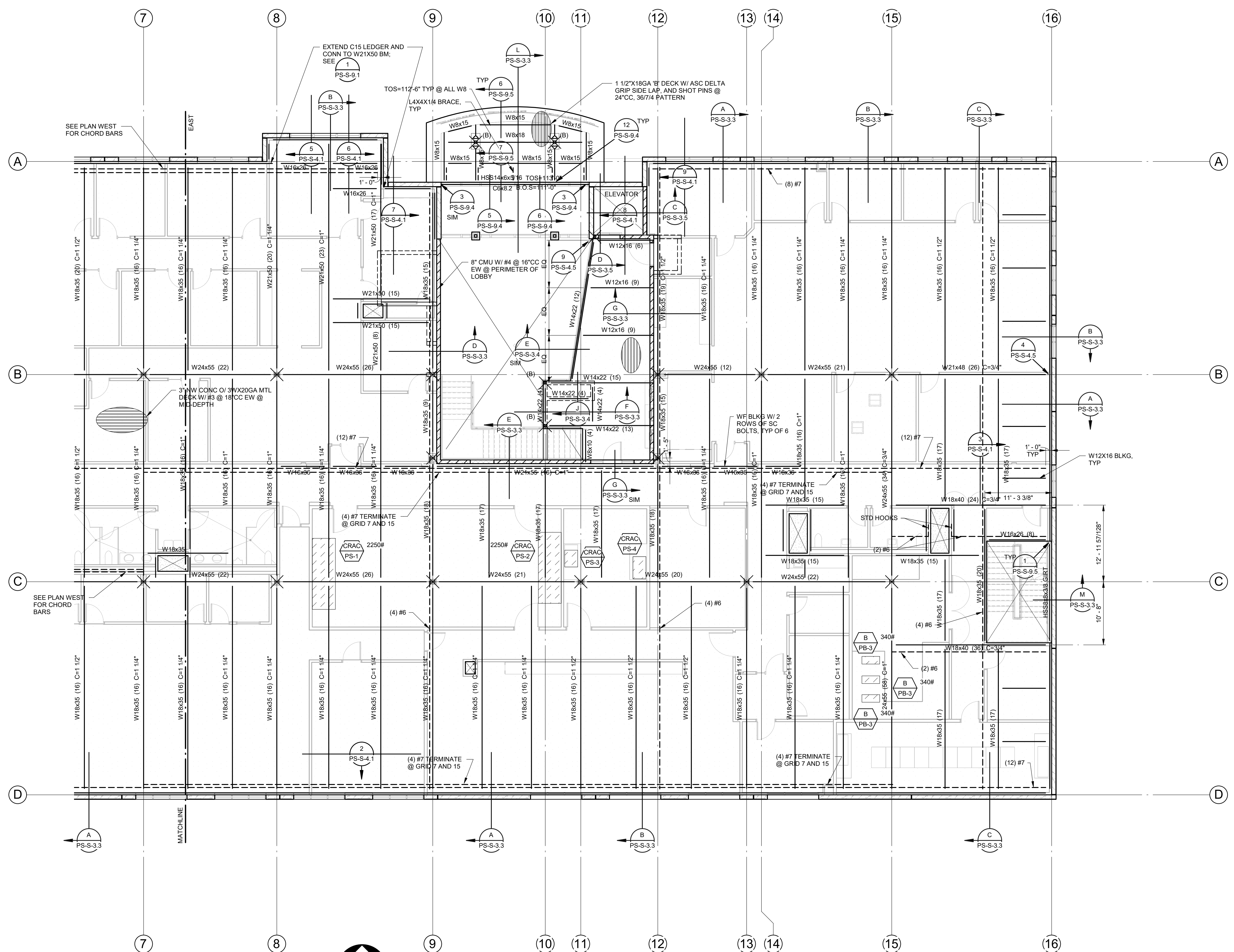
PROJECT NO.: 2017.033  
DATE: 04-16-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY:  
SHEET TITLE:  
SECOND FLOOR  
FRAMING PLAN - WEST



SHEET NUMBER:  
PS-S-2.3  
18-0565 D 10 of 30

FLOOR FRAMING PLAN NOTES:

- VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS W/ ARCH'L DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS W/ DIMENSIONS SHOWN.
- DIMENSIONS SHOWN ARE TO CL OF COLUMN OR FACE OF CONC WALL, UNO.
- SEE SHEETS PS-S-0.1 THRU PS-S-0.5 FOR GENERAL NOTES & TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
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- DESIGN, FABRICATION AND INSTALLATION OF MANUFACTURED STAIRS IS BY OTHERS. STAIR DESIGNER TO COORDINATE LOADING OF ADJACENT STRUCTURE W/ SEOR BEFORE COMMENCING DESIGN WORK. FOR ADDITIONAL INFORMATION SEE STAIR NOTES AT SHEET PS-S-0.1.
- FOR GUIDELINES AND LIMITATIONS FOR SUPPORTING FROM STRUCTURE, SEE  PS-S-0.2
-  INDICATES FLOOR OPENING. LOCATE OPENING PER AMEP DRAWINGS. FOR SUPPORT, SEE  9 PS-S-0.2
- SEE SHEETS PS-S-0.1 & PS-S-0.3 FOR TYPICAL STEEL DETAILS.
- SEE SHEET PS-S-0.2 FOR TYPICAL CONCRETE OVER METAL DECK DETAILS.
-  INDICATES ELEVATION OF TOP OF STEEL FRAMING AND BOTTOM OF METAL DECK.
-  INDICATES CONC OVER METAL DECK. ORIENTATION AS SHOWN ON PLAN. PROVIDE DECK WELDING TO ALL BEAMS PER  PS-S-0.2
- CONCRETE OVER METAL DECK CONSTRUCTION SHALL BE 3"X20GA TYPE 3W STEEL FLOOR DECK (TWO SPAN MINIMUM WITHOUT SHORING) WITH MIN 3 1/2" NW CONCRETE. REINFORCE CONCRETE WITH #3 @ 18"OC EACH WAY.
- THE MINIMUM THICKNESS OF CONCRETE OVER METAL DECK SHALL BE AS SPECIFIED ON PLAN. NOTE THAT THE CONCRETE DEPTH WILL VARY DUE TO DECK AND BEAM DEFLECTIONS DURING CONCRETE PLACEMENT. AND SHALL BE CONSIDERED IN THE ESTIMATING OF CONCRETE VOLUME. COST AND PLACEMENT STRATEGIES. SEE SPEC SECTION 05300 SUBSECTIONS 4.4.5 AND 2.1.K FOR ADDITIONAL REQUIREMENTS RELATED TO CONCRETE PLACEMENT. FOR ADDITIONAL INFORMATION SEE  11 PS-S-0.2
- SEE ARCH'L DWGS FOR LOCATION OF ALL SLAB EDGES AT FLOOR PERIMETER AND AROUND OPENINGS. WHERE NOT SHOWN OR INDICATED OTHERWISE ON STRUCTURAL OR ARCH'L DWGS, BEAMS ADJACENT TO SLAB EDGES SHALL BE 9" FROM CL OF BEAM TO EDGE OF SLAB.
- NO MECH'L, ELEC'L, PLUMBING OR OTHER NON-STRUCTURAL ITEMS SHALL BE PLACED IN CONCRETE OVER METAL DECK.
- CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
-  INDICATES BEAM SIZE, NUMBER OF 3/4"X4" WELDED HEADED STUDS, AND UPWARD CAMBER (WHERE NO CAMBER IS SPECIFIED FABRICATE WITH NATURAL MILL CAMBER UP). PROVIDE 3/4"X4" STUDS @ 24"OC MIN AT ALL BEAMS THAT RECEIVE MTL DECK AND CONCRETE. TYP. PROVIDE SPACING OF STUDS AT 1"OC AT ALL BEAMS W/ CONNECTIONS INDICATED AS  UNLESS MORE STRINGENT REQUIREMENT IS NOTED ON PLANS. MINIMUM STUD LENGTH SHALL BE 5" LONG AFTER WELDING.
- W10 DENOTES W10x15 TYP. UNO.  
W12 DENOTES W12x16 TYP. UNO.  
W14 DENOTES W14x22 TYP. UNO.  
C12 DENOTES C12x20.7 TYP. UNO.
- ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED COLUMNS, GRIDS, OR BEAMS WHERE OCCURS, TYP UNO.
- FOR TYPICAL BEAM TO BEAM CONNECTION, SEE  1 OR  2 UNO.
- FOR TYPICAL BEAM TO COLUMN CONNECTION, SEE  5 OR  7 UNO.
-  INDICATES WF NON-FRAME MOMENT CONNECTION, SEE  3 PS-S-0.1
-  INDICATES SINGLE ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER  3 OR  8 OR  9 PS-S-0.1
-  INDICATES DOUBLE ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER  3 OR  8 OR  9 PS-S-0.1
-  INDICATES WELDED CONNECTION PER 512SD027 513SD014 512SD028 512SD029
-  INDICATES WIDE FLANGE COLUMN. SIZE INDICATED @ BASE LEVEL OF COLUMN ONLY.
-  INDICATES HSS COLUMN. SIZE INDICATED @ BASE LEVEL OF COLUMN ONLY.
- VERIFY ALL FLOOR OPENINGS, LOCATIONS & DIMENSIONS WITH ARCH'L DWGS PRIOR TO FABRICATION AND DETAILING. ALL FLOOR OPENINGS SHALL BE REINFORCED AS SHOWN ON TYPICAL METAL DECK SHEET PS-S-0.2. ADD'L WF BLKG MAY BE REQ'D @ FLOOR OPNGS AS SHOWN ON PLAN OR WHERE OPNGS EXCEED PROVISIONS OF TYPICAL DETAILS.
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-  DASHED LINE INDICATES BOTTOM FLANGE BRACE. ARROW INDICATES LOW END, SEE INTENT IS THAT BRACES ARE EQUALLY SPACED BTWN ADJACENT GIRDERS OR BEAMS, UNO ON PLAN.
-  SOLID LINE INDICATES BOTTOM FLANGE BRACING. SEE 513SD010
-  INDICATES DEPRESSION IN CONCRETE OVER METAL DECK - SEE PLAN FOR DEPTH OF DEPRESSION. SEE ARCH'L DWGS FOR EXACT LOCATION AND EXTENT. DEPRESS FLOOR SLAB PER  6 PS-S-0.2
-  INDICATES CONCRETE CURB. SEE  6 PS-S-0.2
- ALL VISUALLY EXPOSED STEEL SHALL MEET 'ARCHITECTURALLY EXPOSED STRUCTURAL STEEL' REQUIREMENTS. SEE ARCH'L DWGS AND SPECS.
-  INDICATES SOLID GROUTED CONC MASONRY WALL. SEE FOUNDATION PLAN FOR ADD'L INFO.
-  INDICATES SOLID GROUTED CONC MASONRY WALL BELOW.
-  INDICATES CONCRETE WALL BELOW.
-  INDICATES MECHANICAL UNIT. ALL BLOCKING BEAMS SHOULD BE W10X12 UNO AND SHALL BE LOCATED DIRECTLY BELOW UNIT EDGES AND/OR CURB. SEE MECHANICAL UNIT SCHEDULE FOR WEIGHTS AND ATTACHMENT OF UNIT/ CURB TO STRUCTURE.
-  INDICATES CHORD BARS IN CONC OVER MTL DECK. SEE  10 PS-S-0.6

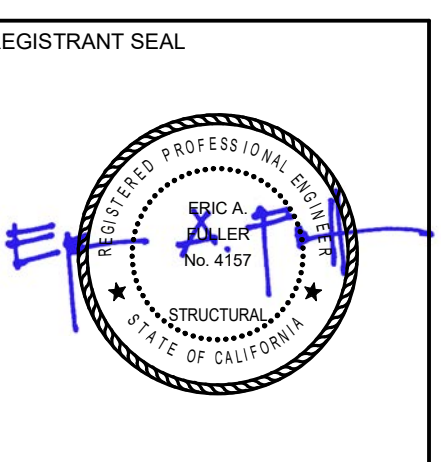


**2ND FLOOR FRAMING PLAN EAST** — 1/8" = 1'-0"  
 TOC = 115'-0"  
 TOS = 114'-6"

**C/S**  
**BROWARD**  
**builders**

**Arrington Watkins Architects**

2024 Opportunity Drive, Suite 150  
 Roseville, California 95678  
 Telephone: (916) 338-7707  
 Fax: (888) 510-3055



**EL DORADO PUBLIC SAFETY FACILITY**  
**PUBLIC SAFETY BUILDING & SITE**  
**200 INDUSTRIAL DRIVE**  
**DIAMOND SPRINGS, CA 95619**



NO.	REVISION	DATE

PROJECT NO.: 2017.033  
 DATE: 04-16-2018  
 DESIGNED BY: RJM  
 DRAWN BY: PVB  
 APPROVED BY:   
 SHEET TITLE:  
 SECOND FLOOR FRAMING PLAN - EAST

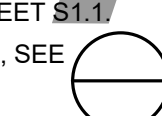
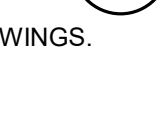

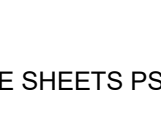
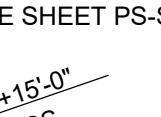
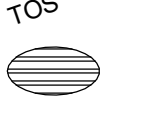

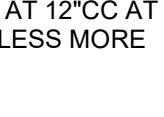


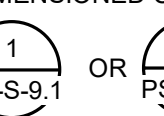
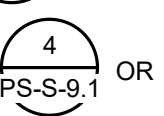
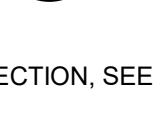
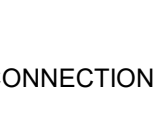
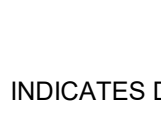



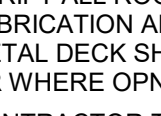
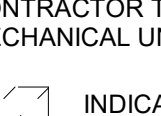
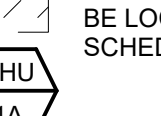
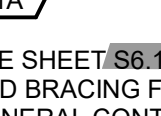
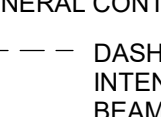
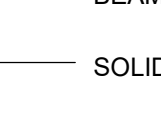
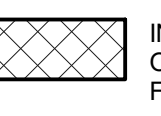
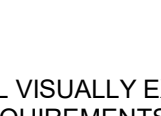
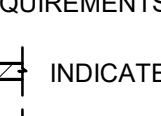
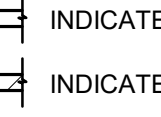
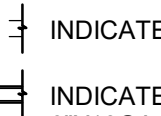
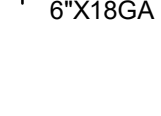









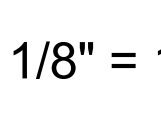

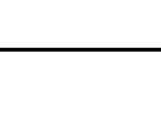
**B&B**  
 Buchler & Buchler  
 Structural Engineers, Inc.  
 8021 Venice Blvd., Suite 200, Sacramento, CA 95811  
 916.443.3252 Fax: 916.443.2132  
 Sacramento, Phoenix, San Francisco  
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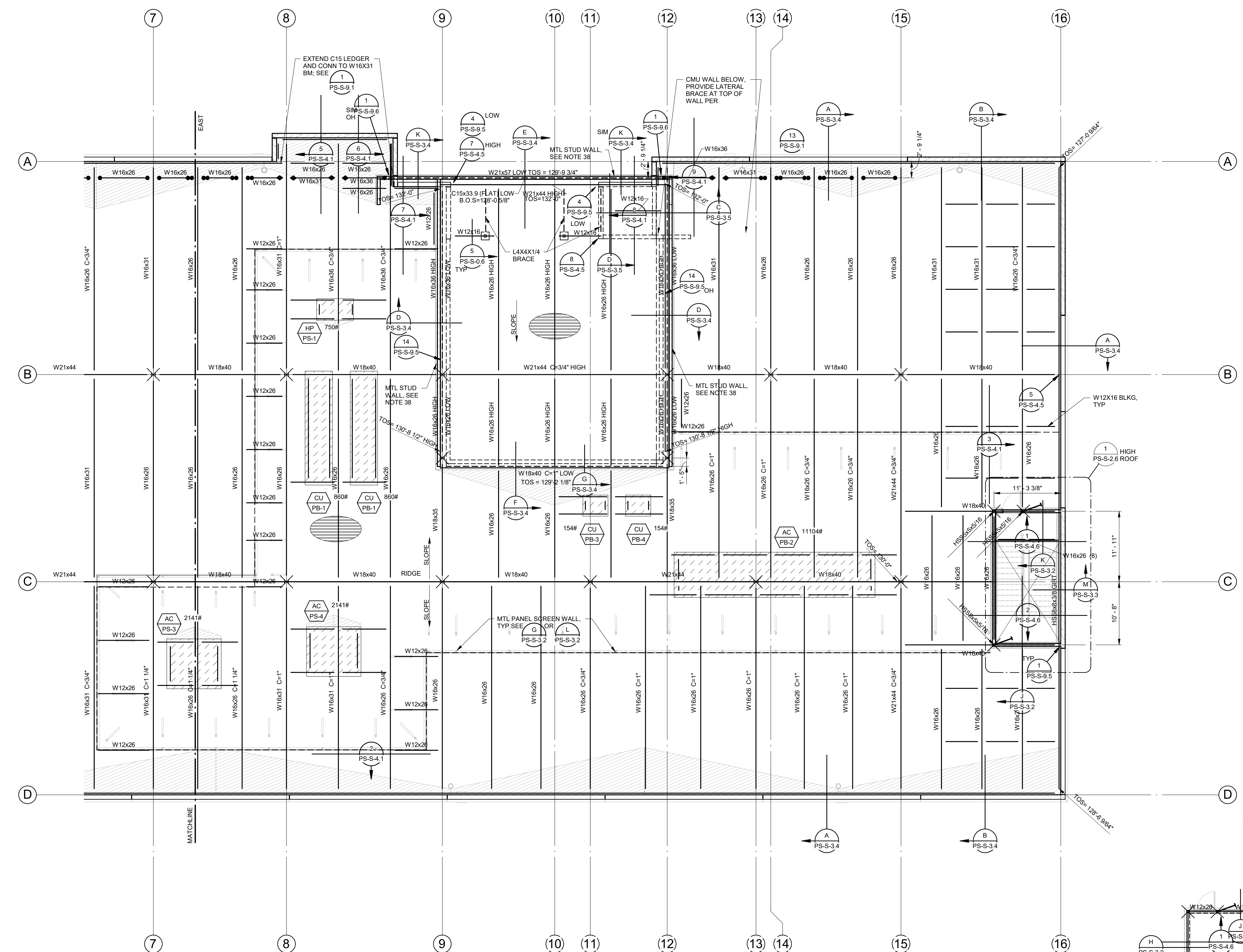
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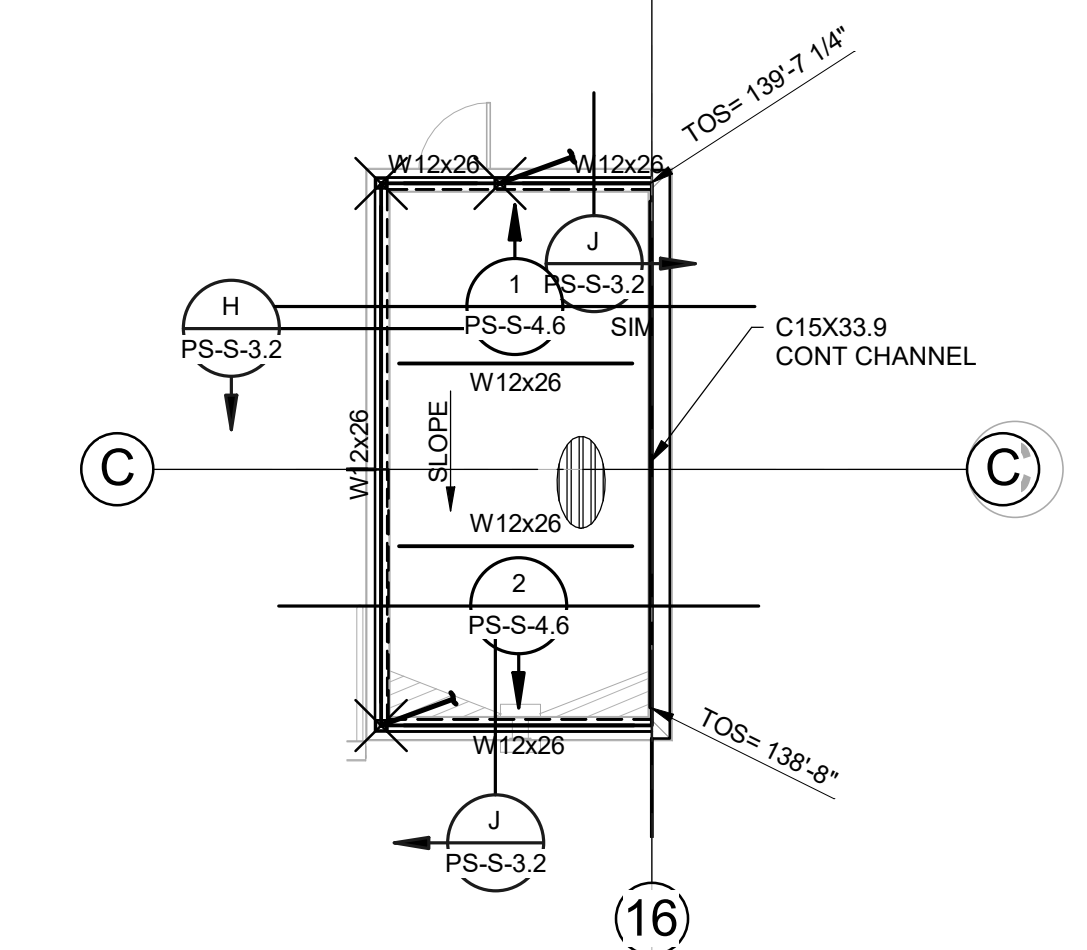


**ROOF FRAMING PLAN NOTES:**

1. VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS W/ ARCHL DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS W/ DIMENSIONS SHOWN.
2. DIMENSIONS SHOWN ARE TO CL OF COLUMN OR FACE OF CONC WALL, UNO.
3. SEE SHEETS PS-S-0.1 THRU PS-S-0.5 FOR GENERAL NOTES & TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
4. (A) OR (B) INDICATES COLUMN IS ABOVE ONLY (A) OR BELOW ONLY (B). NO SYMBOL INDICATES THAT COL IS ABOVE AND BELOW.
5. FOR CONNECTION OF ELEVATOR GUIDE RAIL SUPPORT FRAMING TO STRUCTURE SEE CONTRACTOR TO COORD LOCATION WITH ELEVATOR INSTALLER.
6. DESIGN, FABRICATION AND INSTALLATION OF MANUFACTURED STAIRS IS BY OTHERS. STAIR DESIGNER TO COORDINATE LOADING OF ADJACENT STRUCTURE W/ SEOR BEFORE COMMENCING DESIGN WORK. FOR ADDITIONAL INFORMATION SEE STAIR NOTES AT SHEET .
7. FOR GUIDELINES AND LIMITATIONS FOR SUPPORTING FROM STRUCTURE, SEE .
8.  INDICATES ROOF OPENING. LOCATE OPENING PER AMEP DRAWINGS. FOR SUPPORT, SEE .
9. SEE SHEETS PS-S-9.1 & sp-9-9.3 FOR TYPICAL STEEL DETAILS.
10. SEE SHEET PS-S-9.2 FOR TYPICAL METAL DECK DETAILS.
11.  INDICATES ELEVATION OF TOP OF STEEL FRAMING AND BOTTOM OF METAL DECK.
12.  INDICATES BARE METAL DECK. ORIENTATION AS SHOWN ON PLAN. PROVIDE DECK WELDING TO ALL BEAMS PER .
13. METAL DECK SHALL BE 1/2"x18GA 'B' METAL DECK.
14. SEE ARCHL DWGS FOR LOCATION OF ALL SLAB EDGES AT ROOF PERIMETER AND AROUND OPENINGS. WHERE NOT SHOWN OR INDICATED OTHERWISE ON STRUCTURAL OR ARCHL DWGS, BEAMS ADJACENT TO SLAB EDGES SHALL BE 8" FROM CL OF BEAM TO EDGE OF SLAB.
15. NO MECH, ELEC, PLUMBING OR OTHER NON-STRUCTURAL ITEMS SHALL BE PLACED IN CONCRETE OVER METAL DECK.
16. CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
17. W18x35 (32) C-11 INDICATES BEAM SIZE, NUMBER OF 3/4" WELDED HEADED STUDS, AND UPWARD CAMBER (WHERE NO CAMBER IS SPECIFIED FABRICATE WITH NATURAL MILL CAMBER UP). PROVIDE 3/4"x0" STUDS @ 24"CC MIN AT ALL BEAMS THAT RECEIVE MTL DECK AND CONCRETE. TYP. PROVIDE SPACING OF STUDS AT 1"CC AT ALL BEAMS W/ CONNECTIONS INDICATED AS  UNLESS MORE STRINGENT REQUIREMENT IS NOTED ON PLANS.
18. W10 DENOTES W10x15 TYP, UNO.  
W12 DENOTES W12x16 TYP, UNO.  
W14 DENOTES W14x22 TYP, UNO.  
C12 DENOTES C12x20.7 TYP, UNO.  
L4 DENOTES L4x4x1/4 TYP, UNO.
19. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED COLUMNS, GRIDS, OR BEAMS WHERE OCCURS, TYP UNO.
20. FOR TYPICAL BEAM TO BEAM CONNECTION, SEE  OR  OR .
21. FOR TYPICAL BEAM TO COLUMN CONNECTION, SEE  OR  OR .
22.  INDICATES WF NON-FRAME MOMENT CONNECTION, SEE .
23.  INDICATES SINGLE ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER  OR  OR .
24.  INDICATES DOUBLE ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER  OR  OR .
25.  INDICATES WELDED CONNECTION PER    .
26.  INDICATES WIDE FLANGE COLUMN. SIZE INDICATED @ BASE LEVEL OF COLUMN ONLY.  
 INDICATES HSS COLUMN. SIZE INDICATED @ BASE LEVEL OF COLUMN ONLY.
27. VERIFY ALL ROOF OPENINGS, LOCATIONS & DIMENSIONS WITH ARCHL DWGS PRIOR TO FABRICATION AND DETAILING. ALL ROOF OPENINGS SHALL BE REINFORCED AS SHOWN ON TYPICAL METAL DECK SHEET PS-S-9.2. ADD'L WF BLKG MAY BE REQ'D @ ROOF OPNGS AS SHOWN ON PLAN OR WHERE OPNGS EXCEED PROVISIONS OF TYPICAL DETAILS.
28. CONTRACTOR TO COORDINATE EXACT LOCATION OF FRAMING MEMBERS SUPPORTING MECHANICAL UNITS & SIMILAR ITEMS NOT DIMENSIONED ON PLAN.
29.  INDICATES MECHANICAL UNIT. ALL BLOCKING BEAMS SHALL BE  UNO AND SHALL BE LOCATED DIRECTLY BELOW UNIT EDGES AND/OR CURBS. SEE MECHANICAL UNIT SCHEDULE FOR WEIGHTS AND ATTACHMENT OF UNIT/CURBS TO STRUCTURE.
30. SEE SHEET  FOR PRECAST FASCIA PANEL NOTES AND DETAILS. ADDITIONAL STEEL SUPPORTS AND BRACING FOR PANELS TO BE DESIGNED, PROVIDED AND INSTALLED BY PRECAST SUPPLIER. GENERAL CONTRACTOR TO COORDINATE SLAB BLOCKOUTS AS REQ'D.
31.  DASHED LINE INDICATES BOTTOM FLANGE BRACE. ARROW INDICATES LOW END, SEE INTENT IS THAT BRACES ARE EQUALLY SPACED BTWN ADJACENT GIRDERS OR BEAMS, UNO ON PLAN.
32.  INDICATES DEPRESSION IN CONCRETE OVER METAL DECK - SEE PLAN FOR DEPTH OF DEPRESSION. SEE ARCHL DWGS FOR EXACT LOCATION AND EXTENT. DEPRESS FLOOR SLAB PER .
33. ALL VISUALLY EXPOSED STEEL SHALL MEET 'ARCHITECTURALLY EXPOSED STRUCTURAL STEEL' REQUIREMENTS. SEE ARCHL DWGS AND SPECS.
34.  INDICATES SOLID GROUTED CONC MASONRY WALL. SEE FOUNDATION PLAN FOR ADD'L INFO.
35.  INDICATES CONCRETE WALL. SEE FOUNDATION PLAN FOR ADD'L INFO.
36.  INDICATES SOLID GROUTED CONC MASONRY WALL BELOW.
37.  INDICATES CONCRETE WALL BELOW.
38.  INDICATES METAL STUD WALL. ALL EXTERIOR METAL STUD WALLS SHALL BE 6"x18GA @ 18"CC, UNO.



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



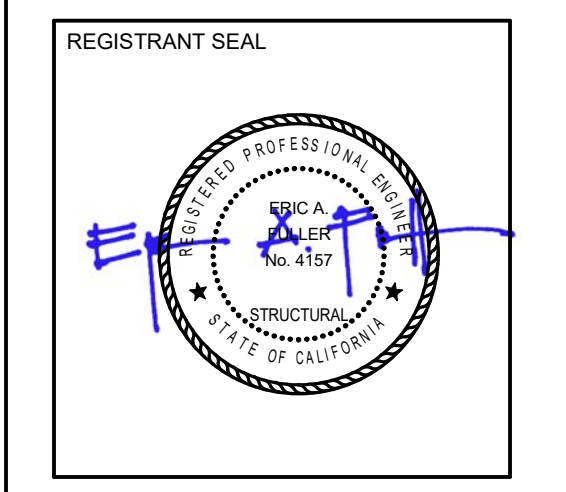
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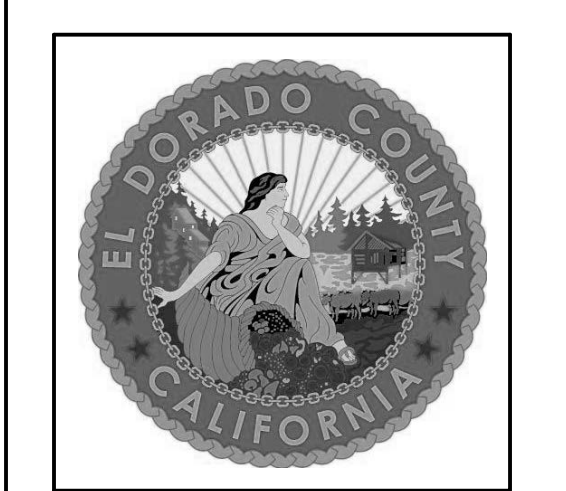
**C/S**  
C/S BROWARD  
builders

**Arrington Watkins Architects**

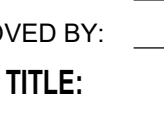
2024 Opportunity Drive, Suite 150  
Roseville, California 95678  
Telephone: (916) 538-7707  
Fax: (888) 510-3055



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PUBLIC SAFETY BUILDING & SITE  
200 INDUSTRIAL DRIVE  
DIAMOND SPRINGS, CA 95619**



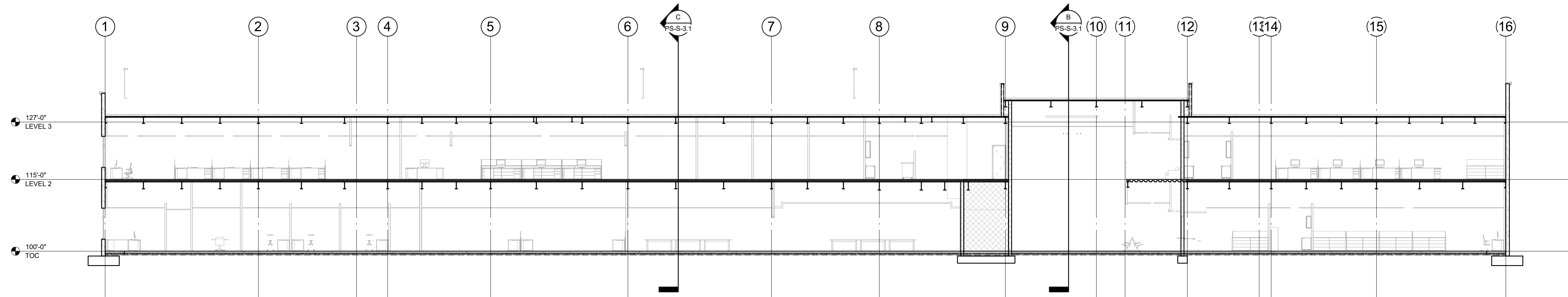
NO.	REVISION	DATE

PROJECT NO.: 2017.033  
DATE: 04-16-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY:   
SHEET TITLE: ROOF FRAMING PLAN - EAST

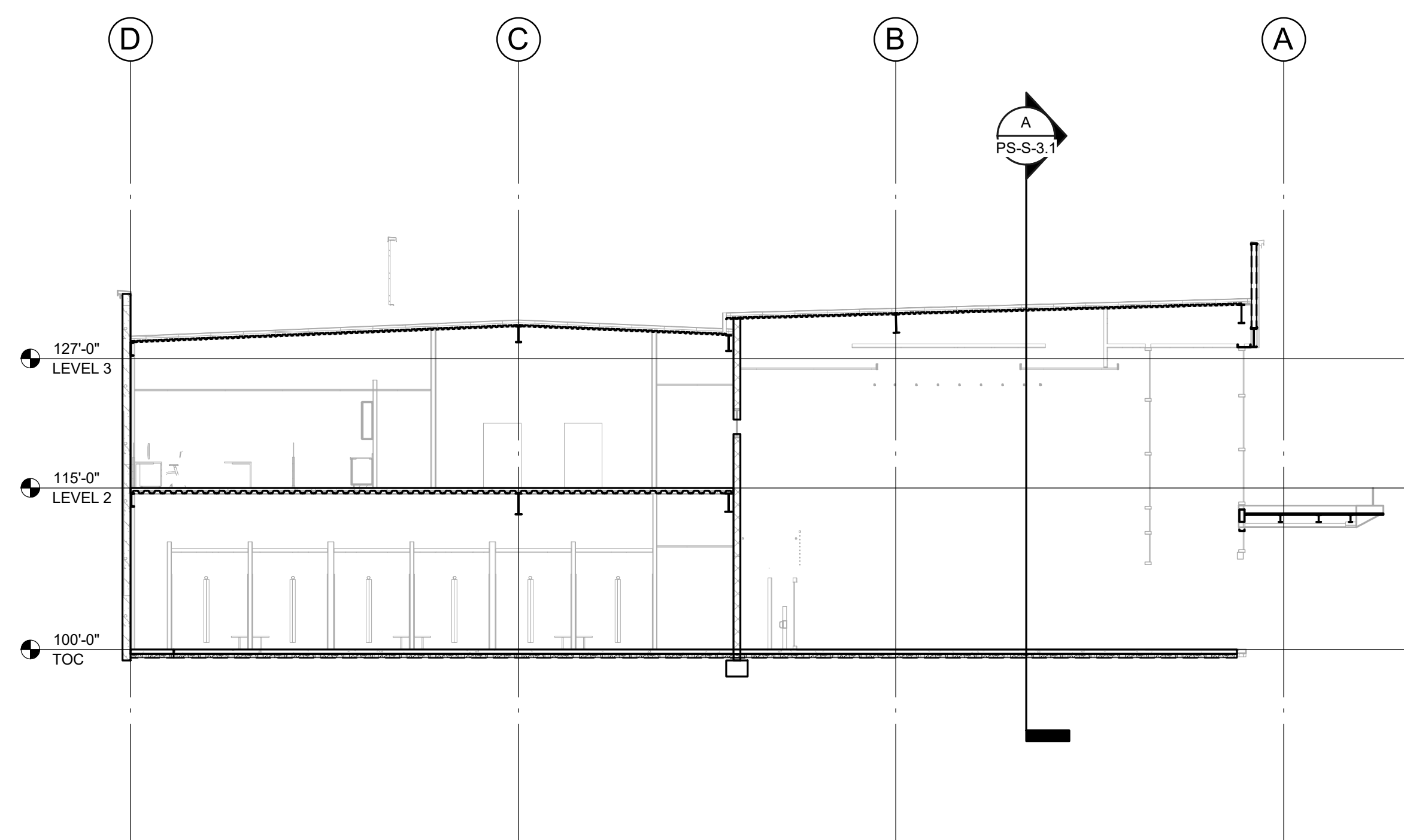
**B&B**  
Buchler & Buchler  
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600 O Street, Suite 200, Sacramento, CA 95811  
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Los Angeles, Silicon Valley

**PS-S-2.6**

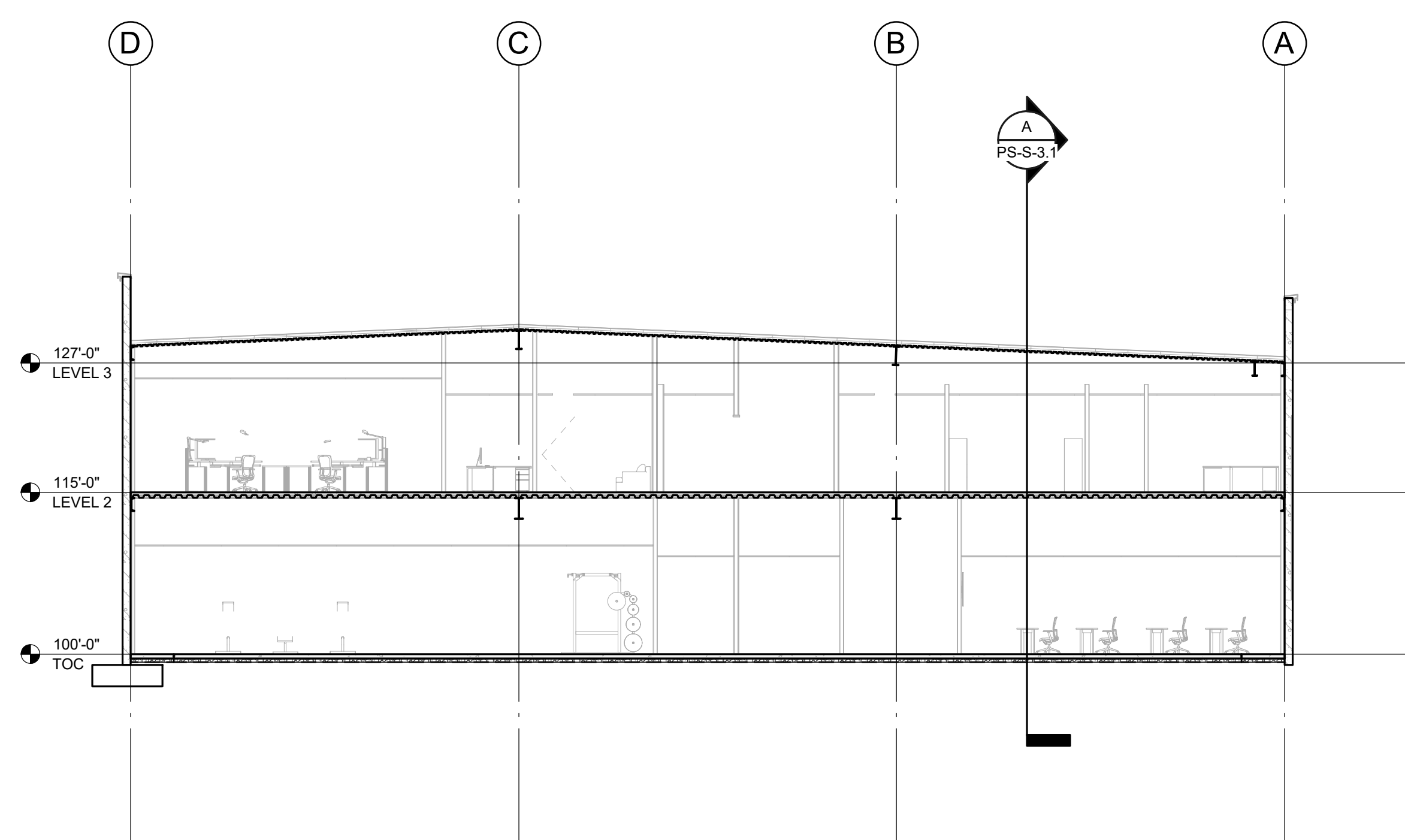
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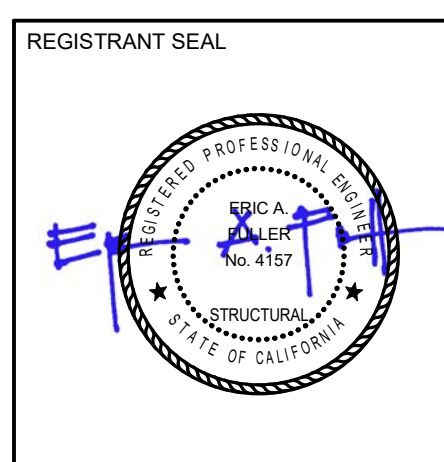
SECTION **A** PS-S-3.1 — 3/32" = 1'-0"



SECTION **B** PS-S-3.1 — 3/32" = 1'-0"



SECTION **C** PS-S-3.1 — 3/32" = 1'-0"



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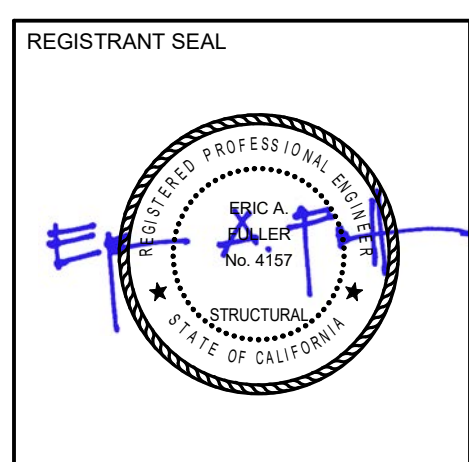
NO.	REVISION	DATE

PROJECT NO.: 2017.033  
 DATE: 04-16-2018  
 DESIGNED BY: RJM  
 DRAWN BY: PVB  
 APPROVED BY: \_\_\_\_\_  
 SHEET TITLE:  
 BUILDING SECTIONS



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**PS-S-3.1**



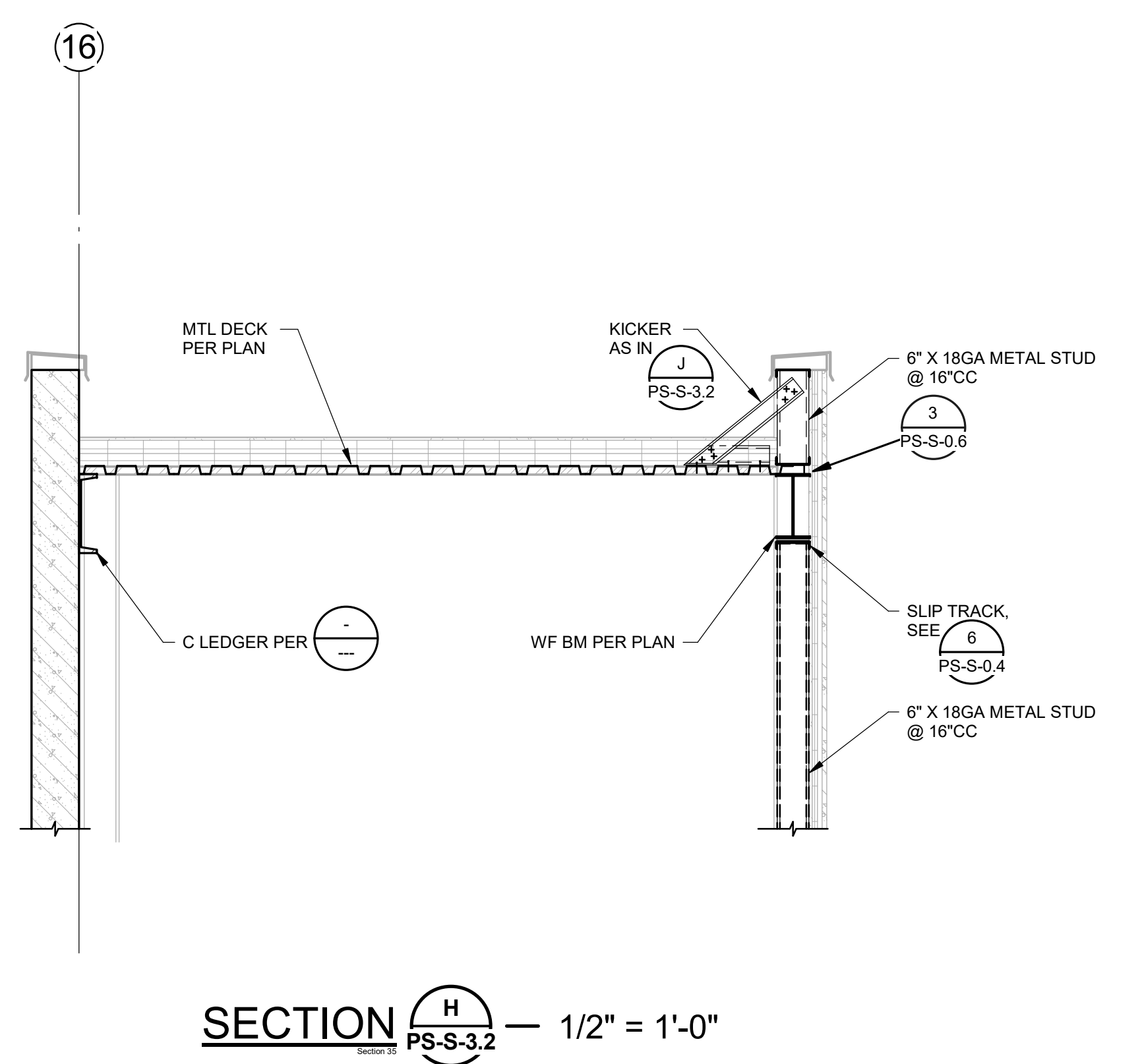
**EL DORADO PUBLIC SAFETY FACILITY  
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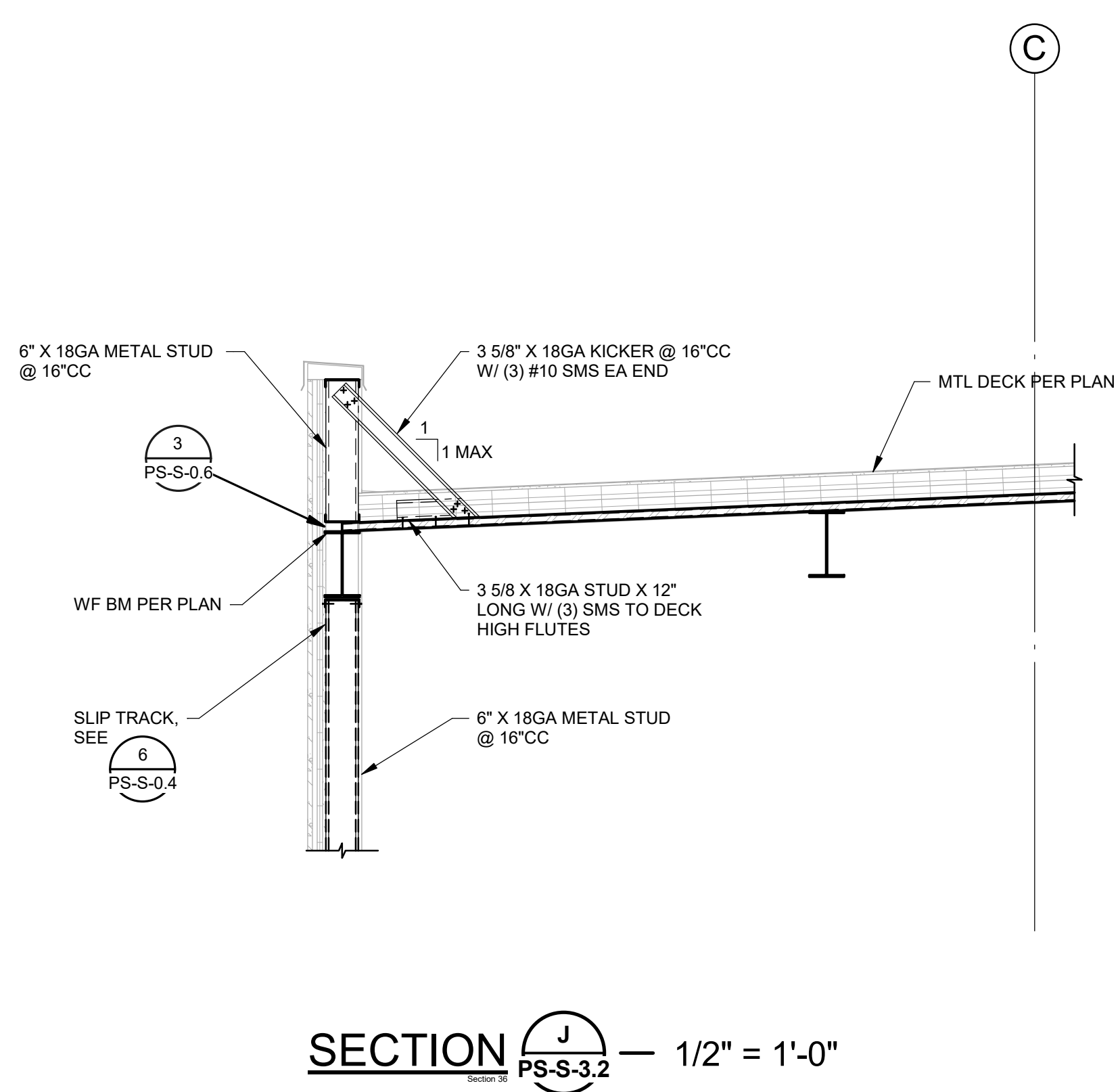
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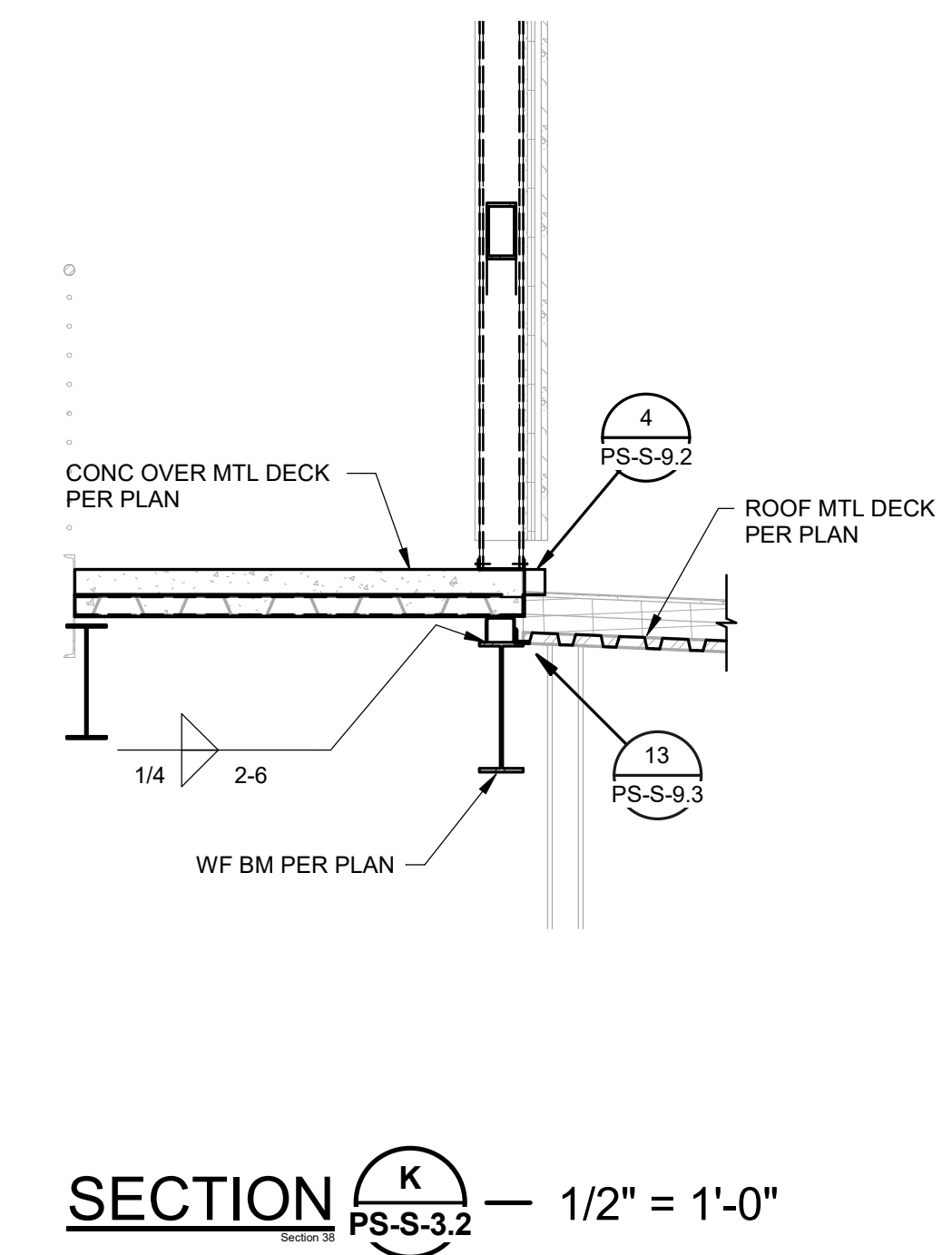
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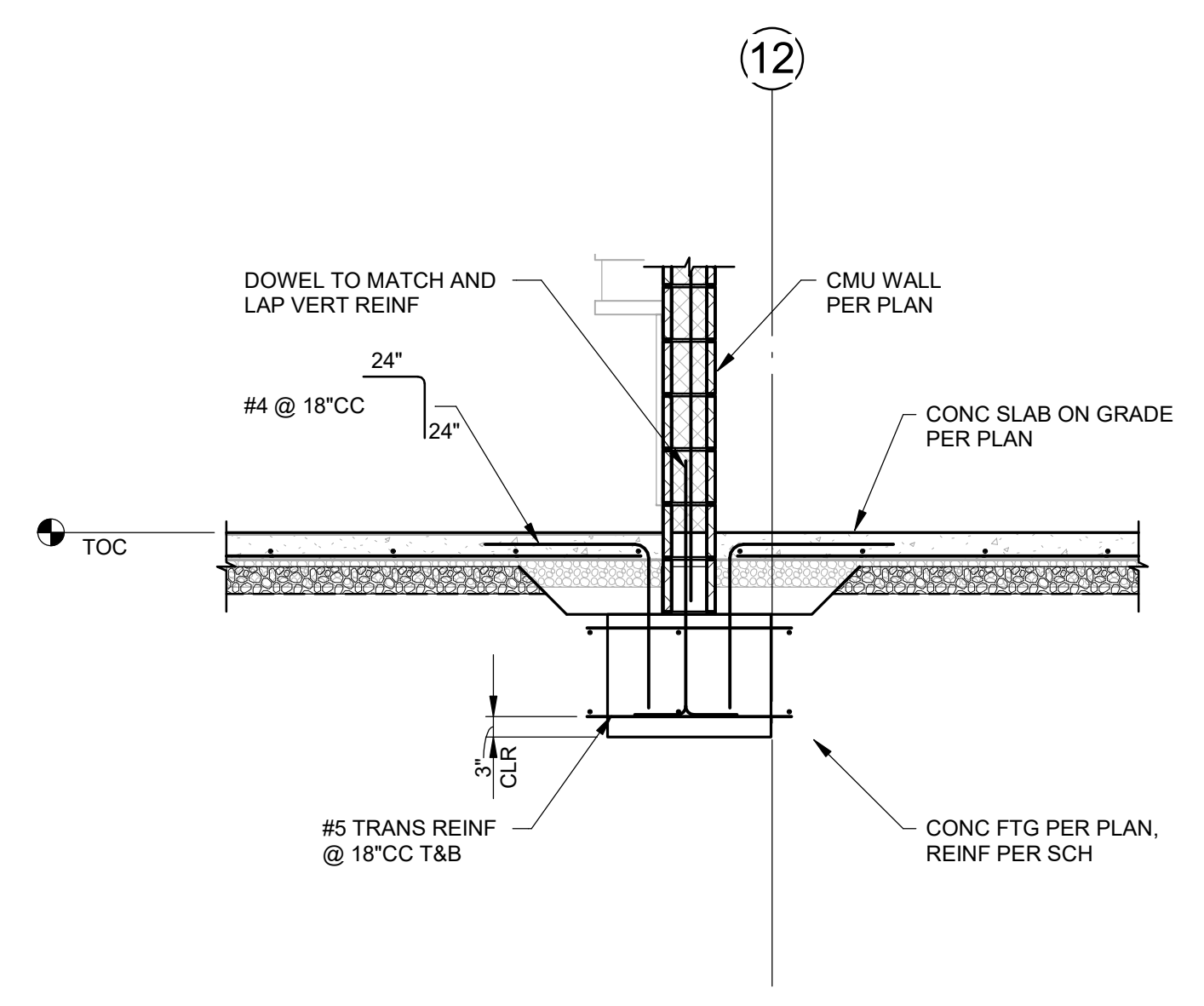
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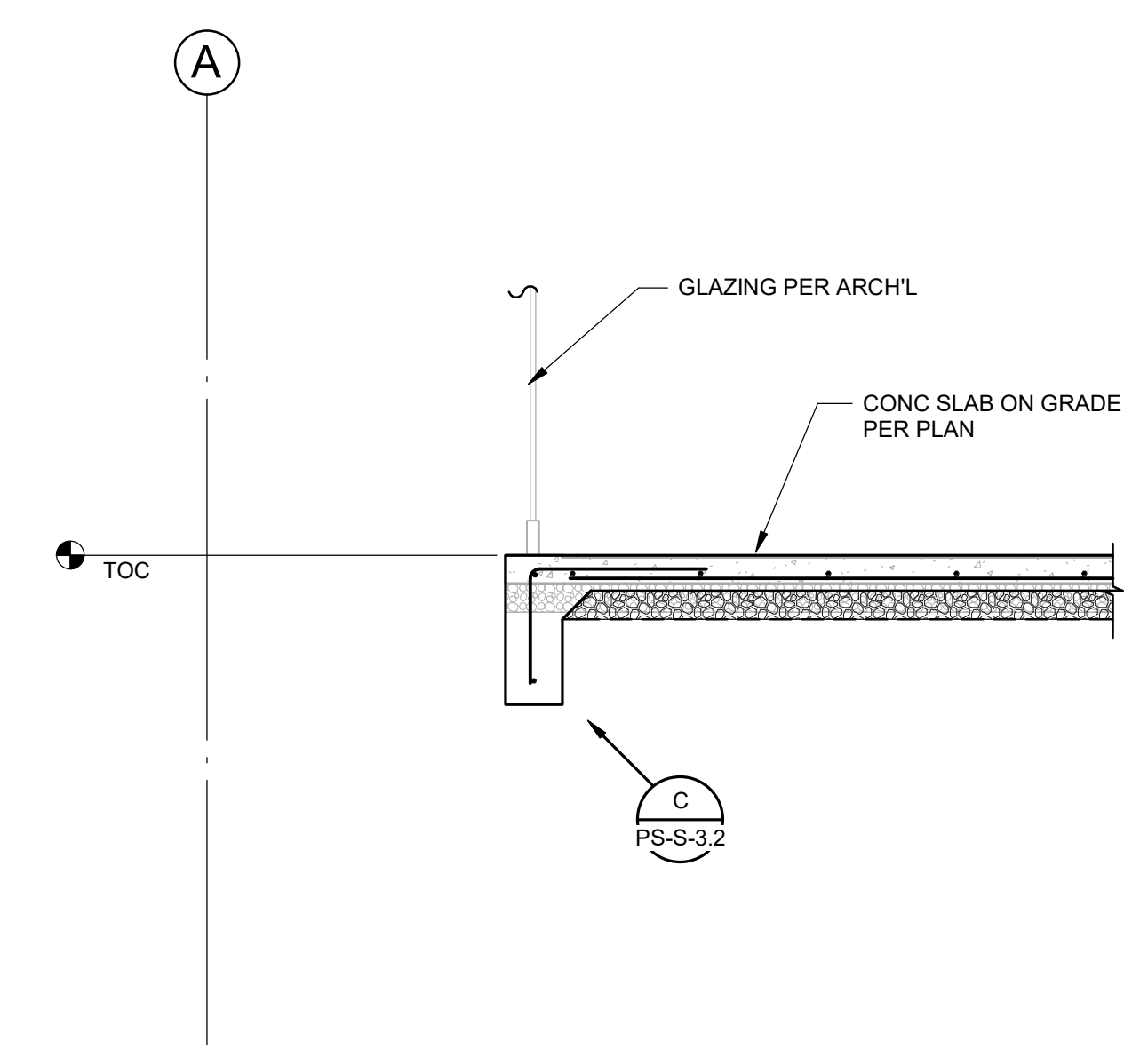
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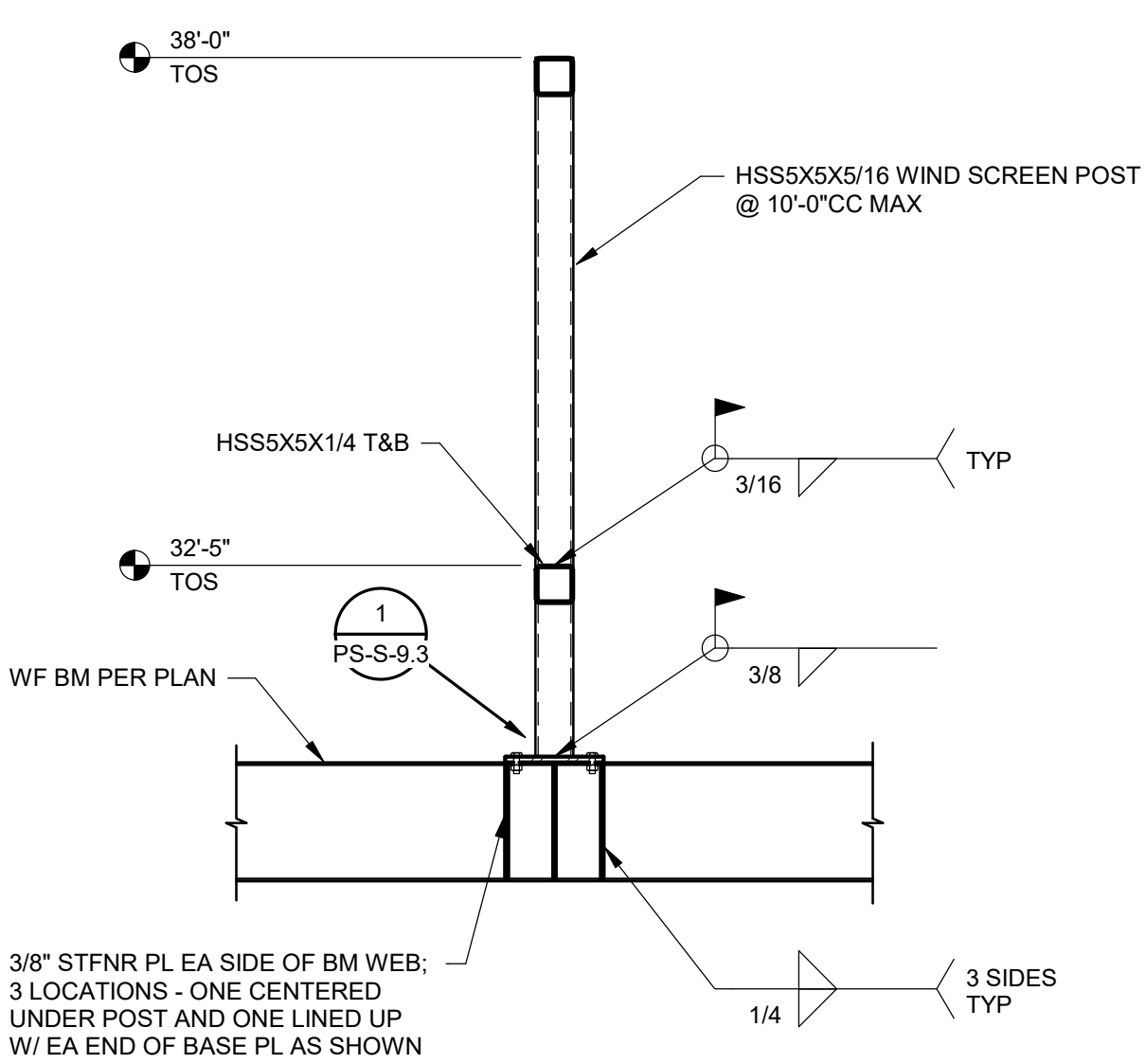
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 PS-S-3.2 — 1/2" = 1'-0"



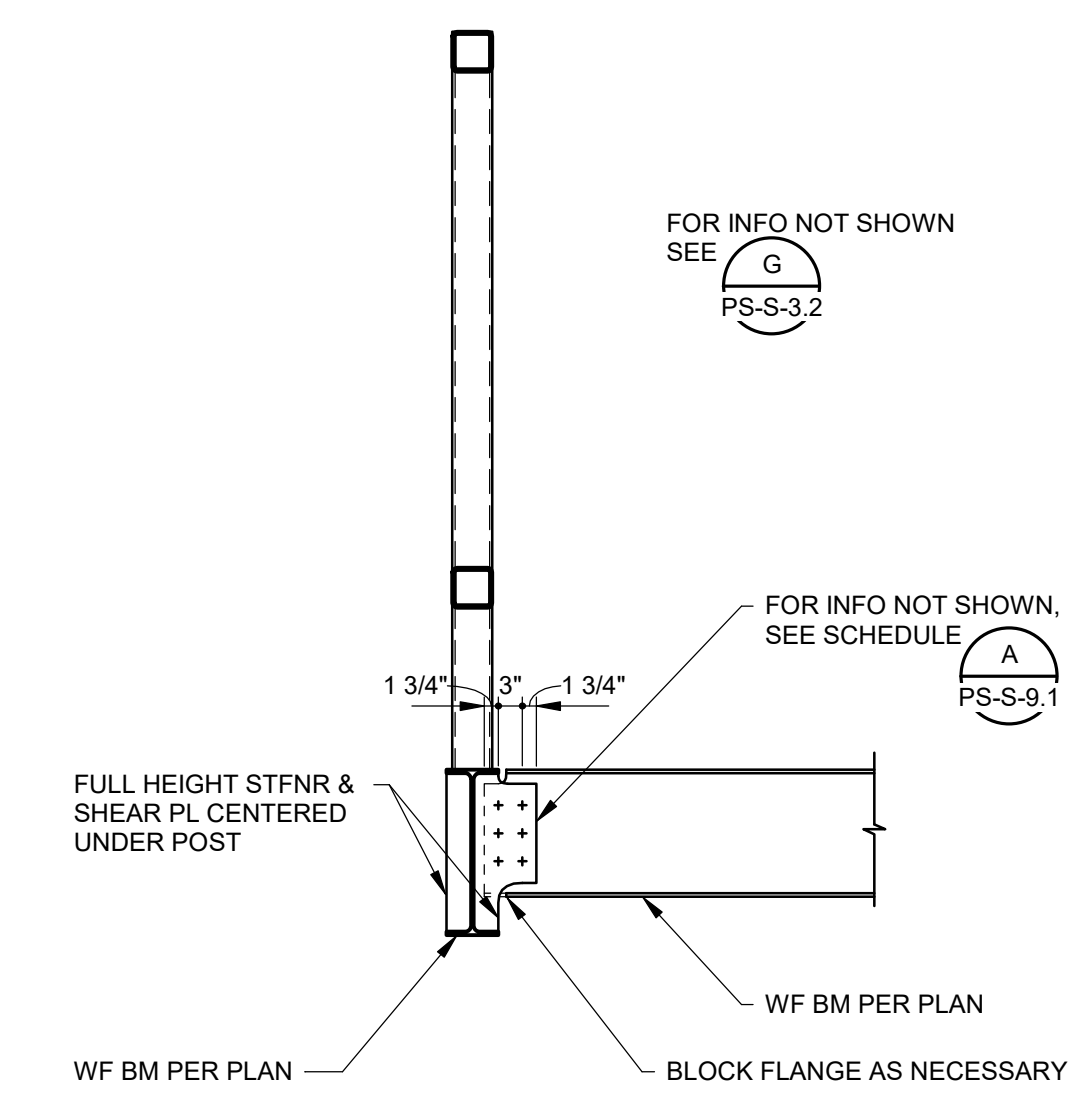
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 PS-S-3.2 — 1/2" = 1'-0"



**SECTION F**  
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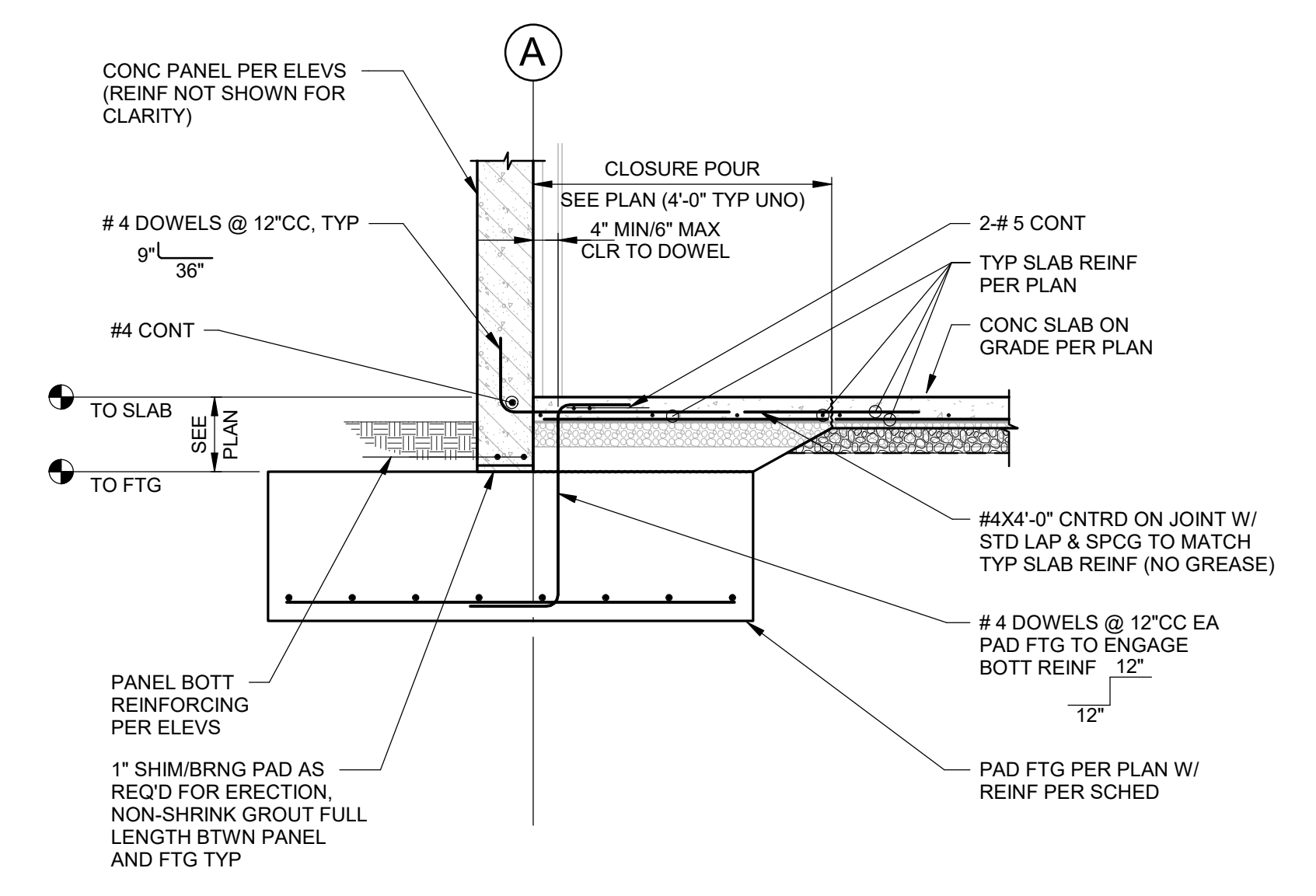


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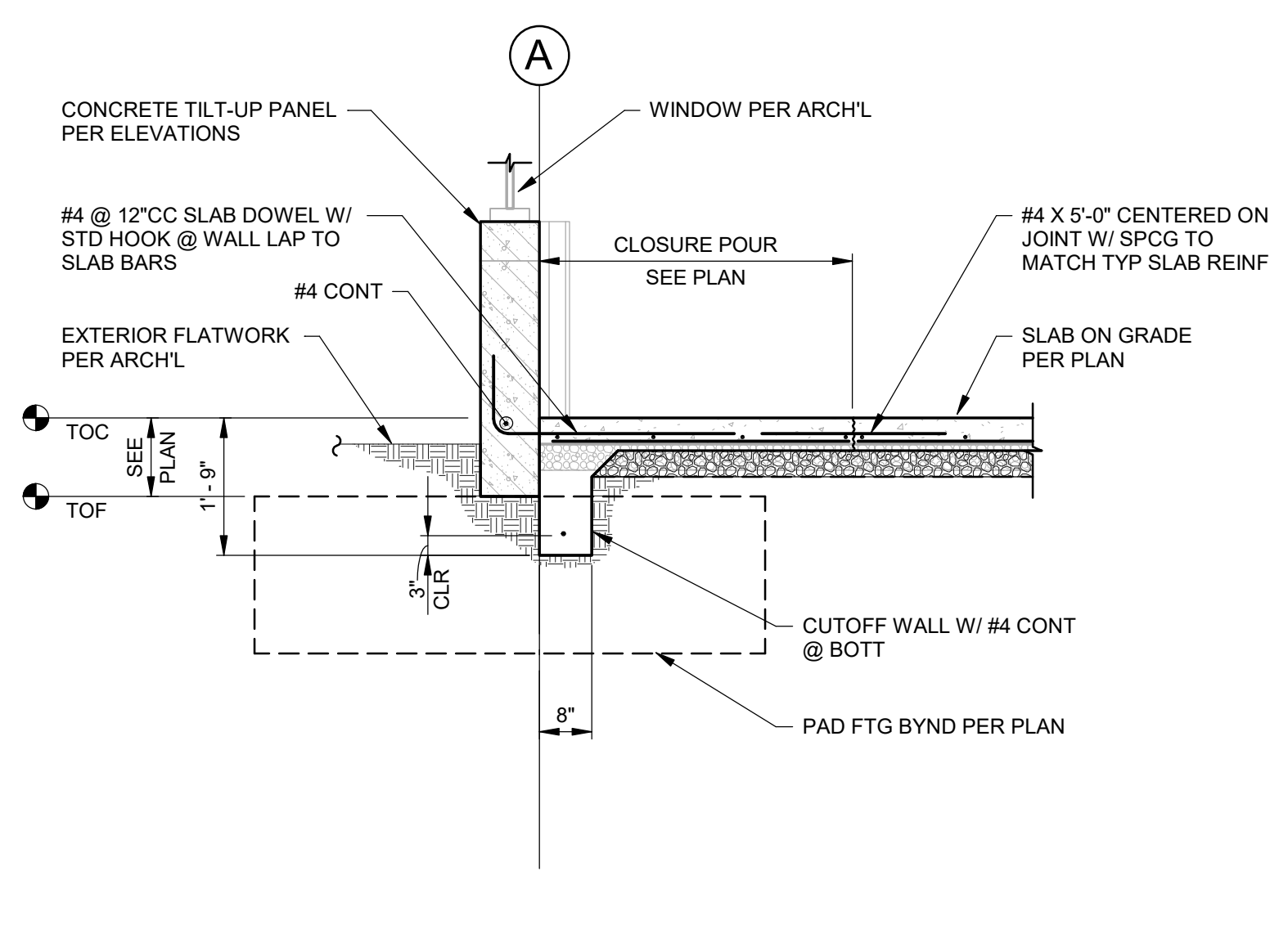


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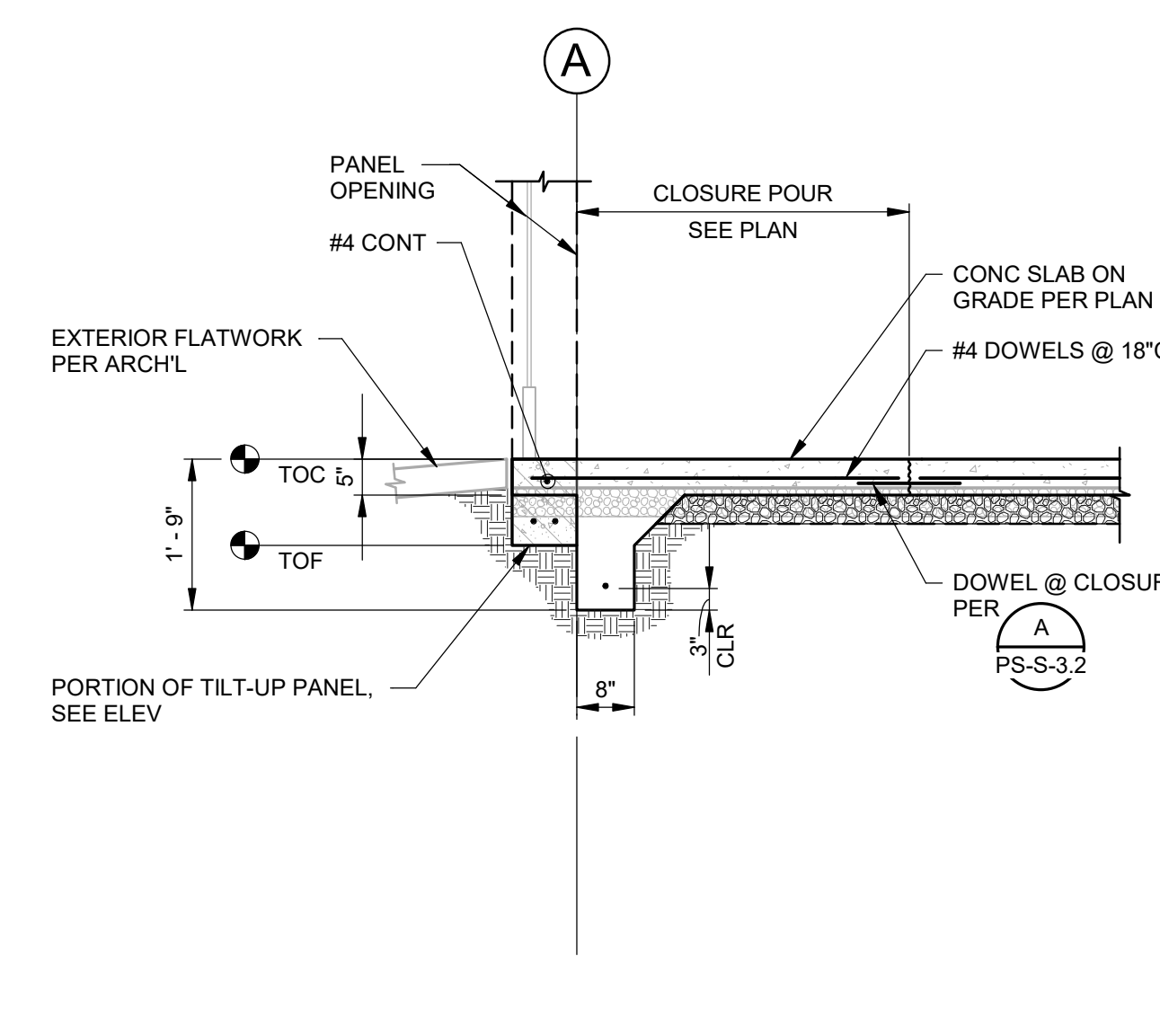
NOTES:  
 1. METAL DECK NOT SHOWN FOR CLARITY.



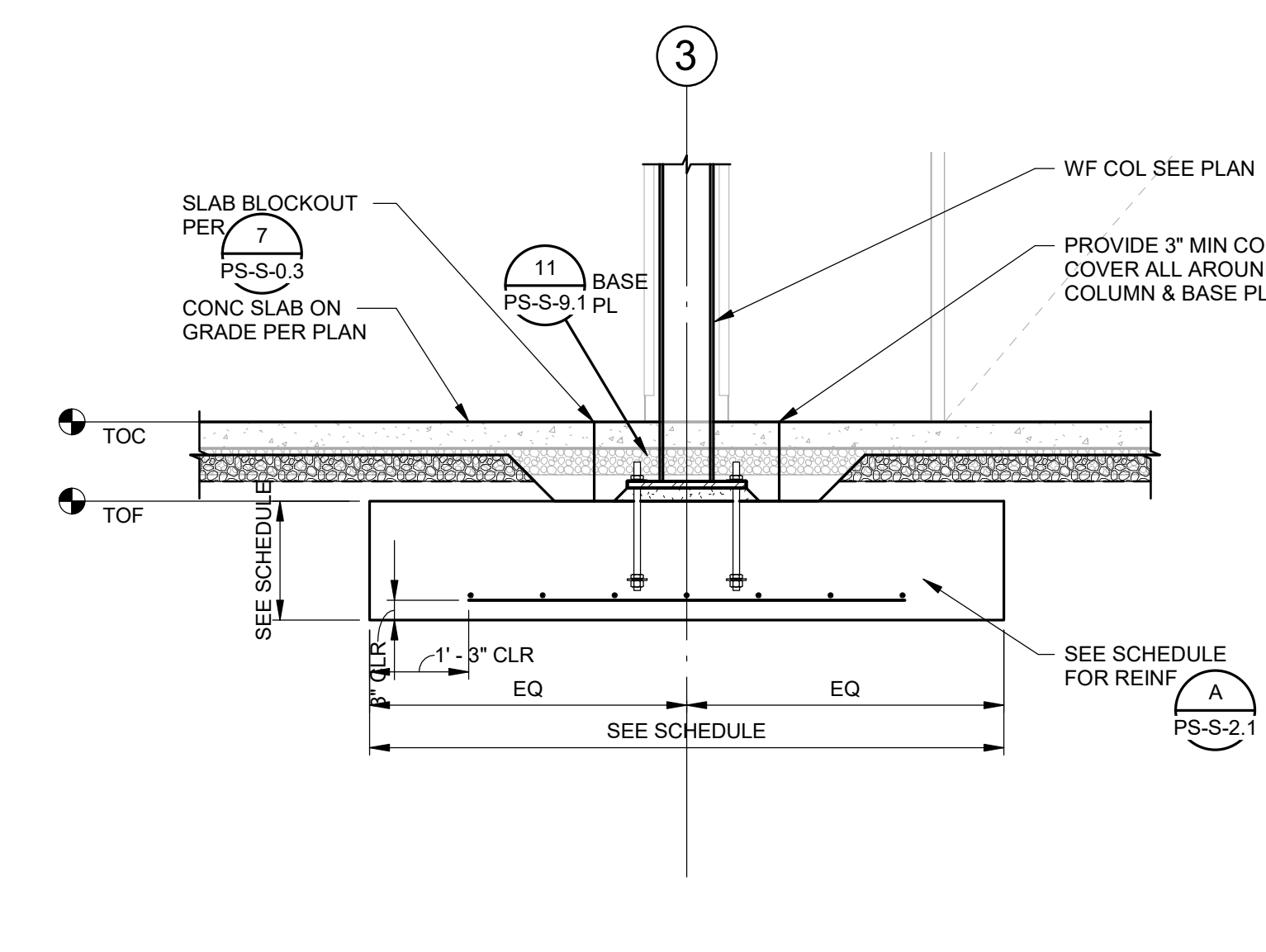
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**SECTION B**  
 PS-S-3.2 — 1/2" = 1'-0"



**SECTION C**  
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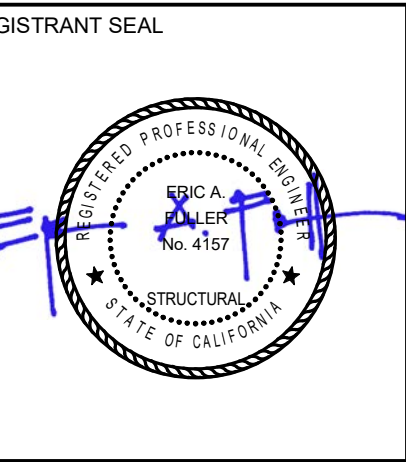


**SECTION D**  
 PS-S-3.2 — 1/2" = 1'-0"

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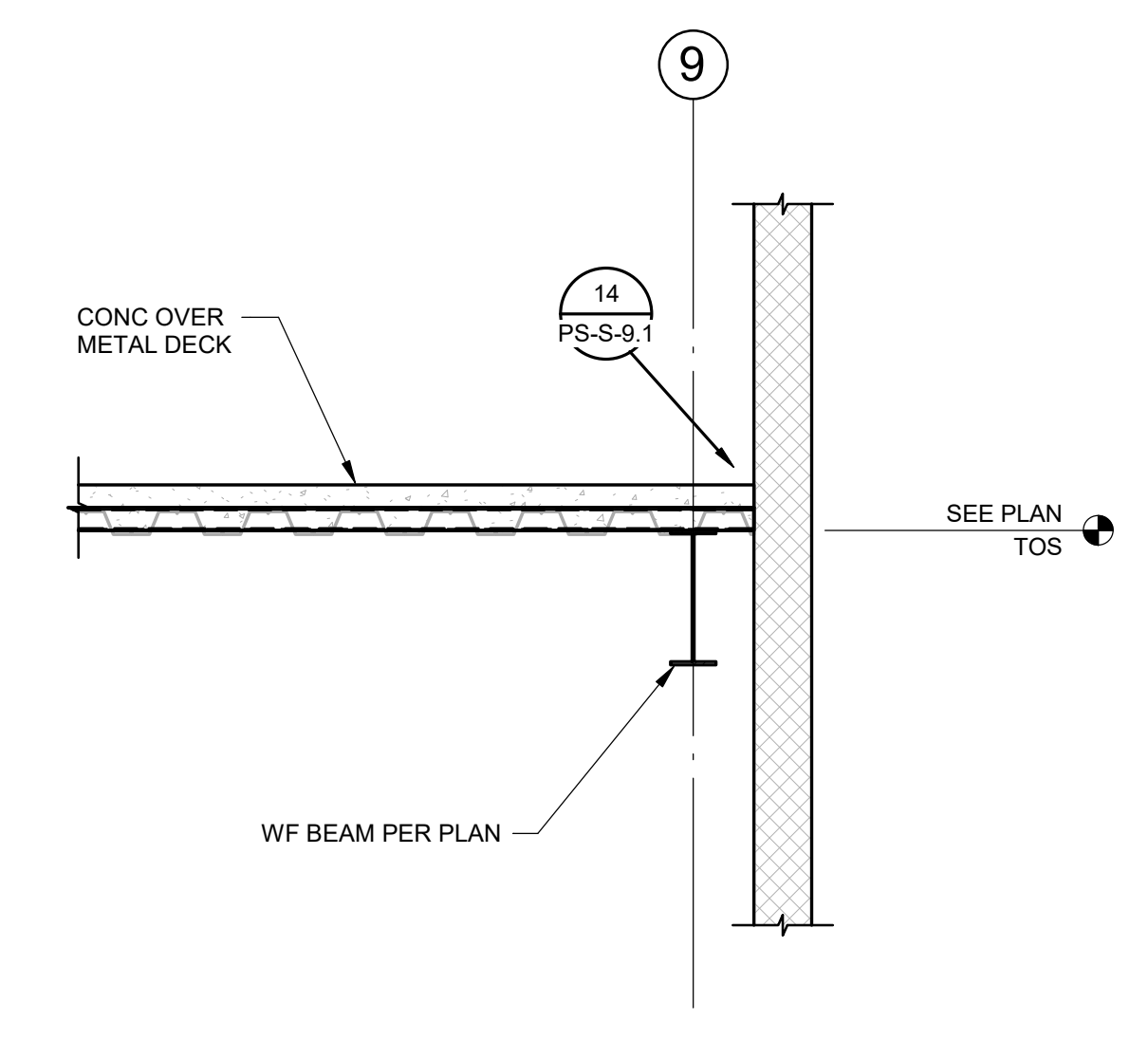
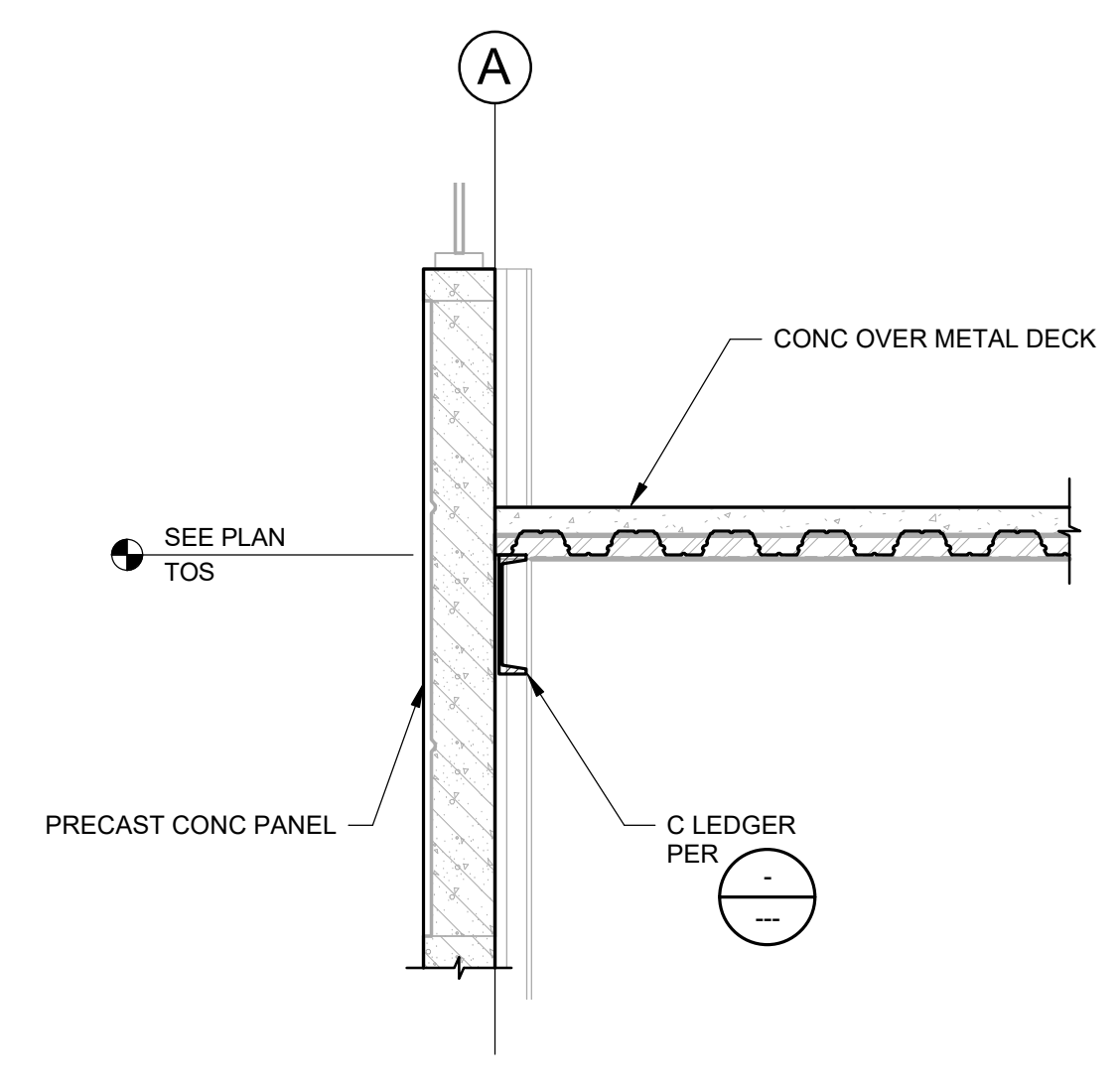
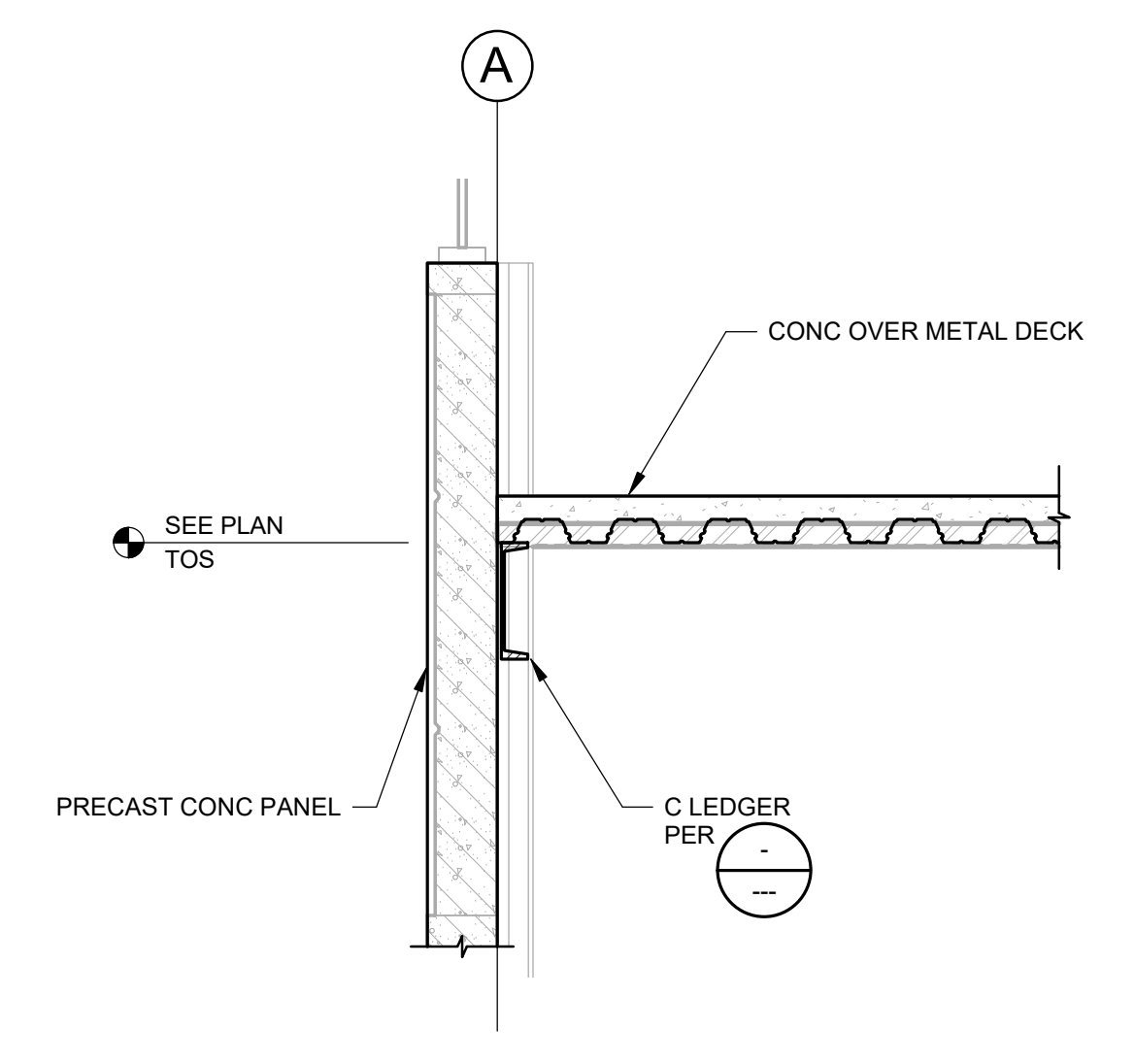
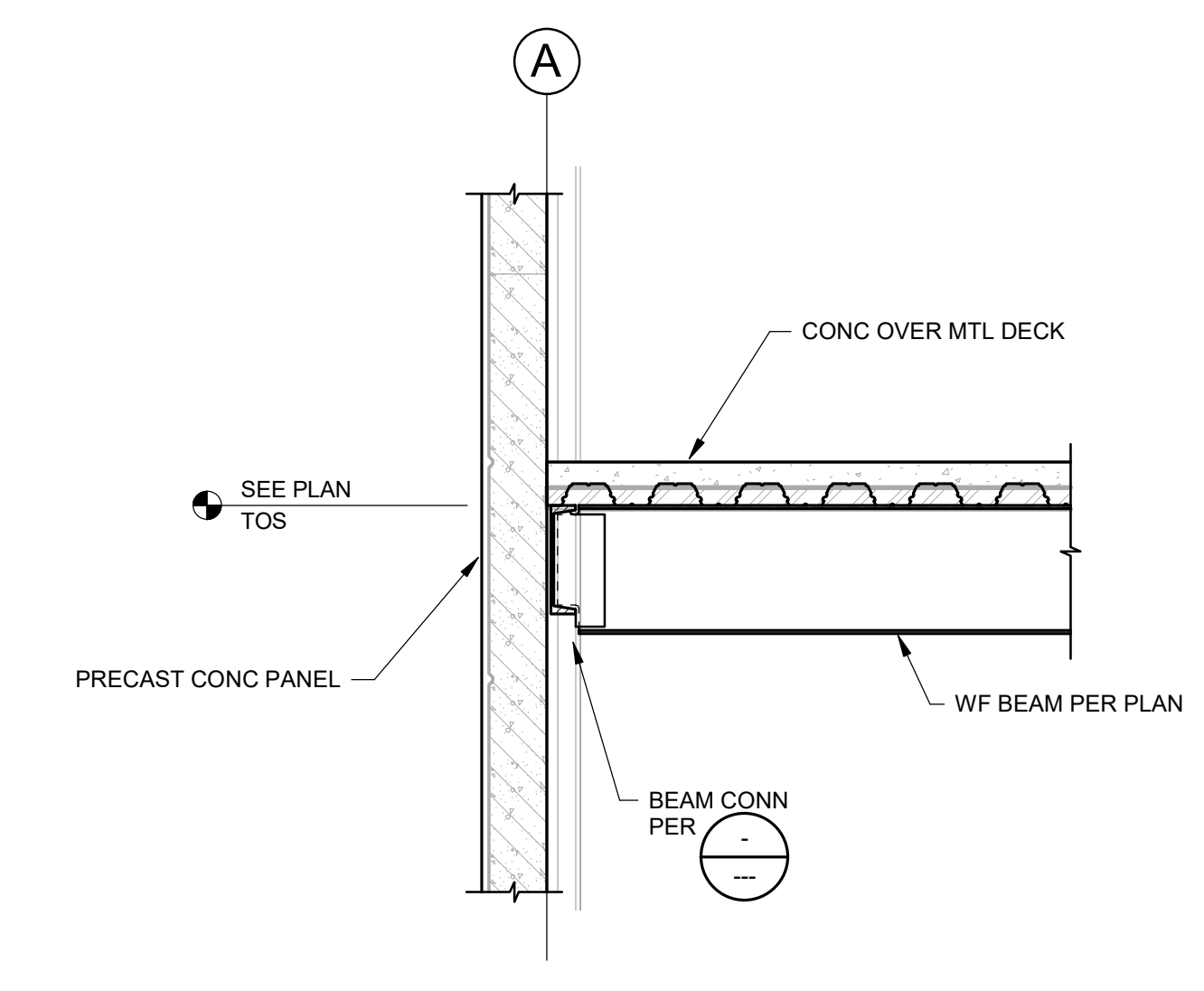
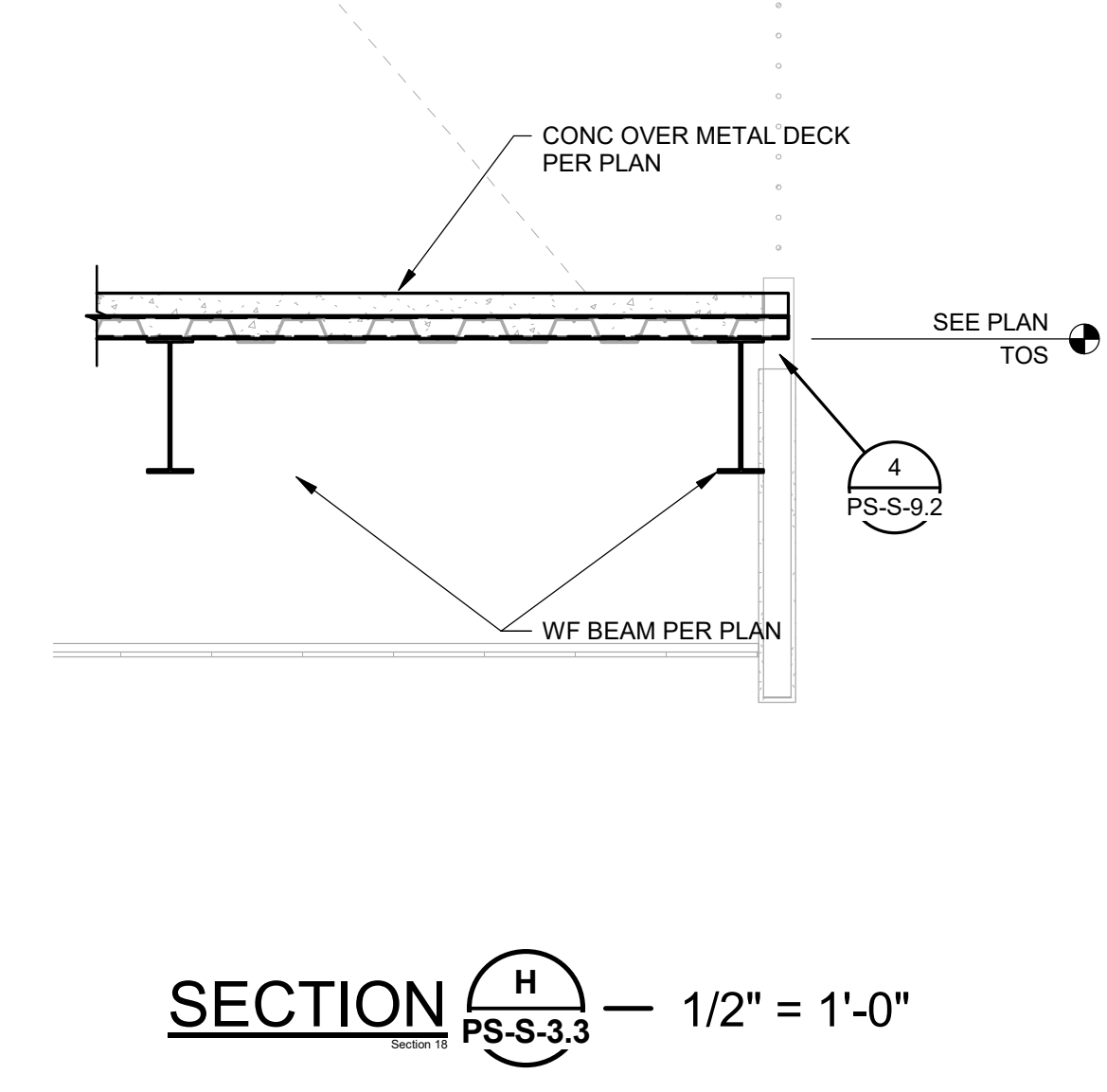
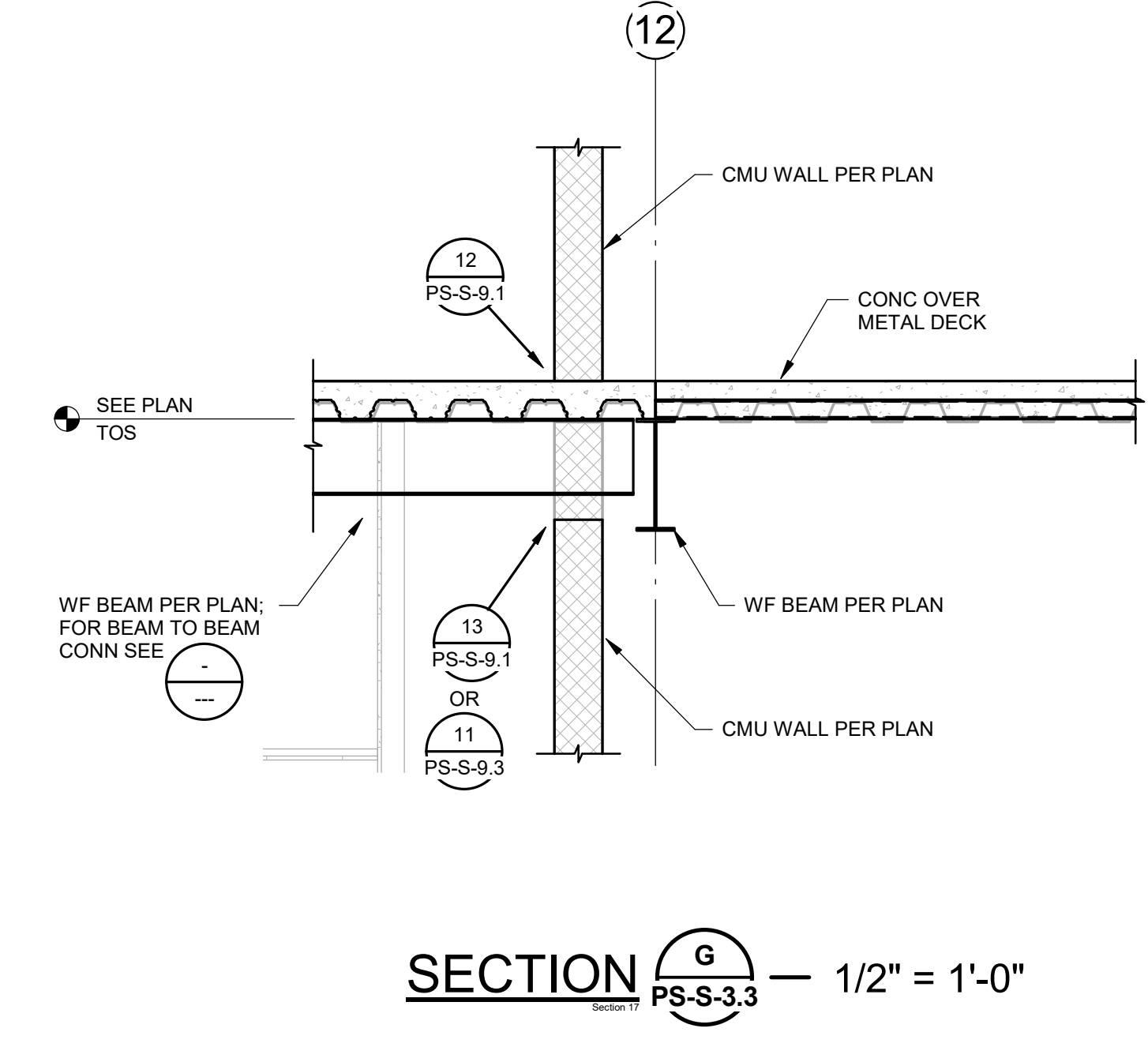
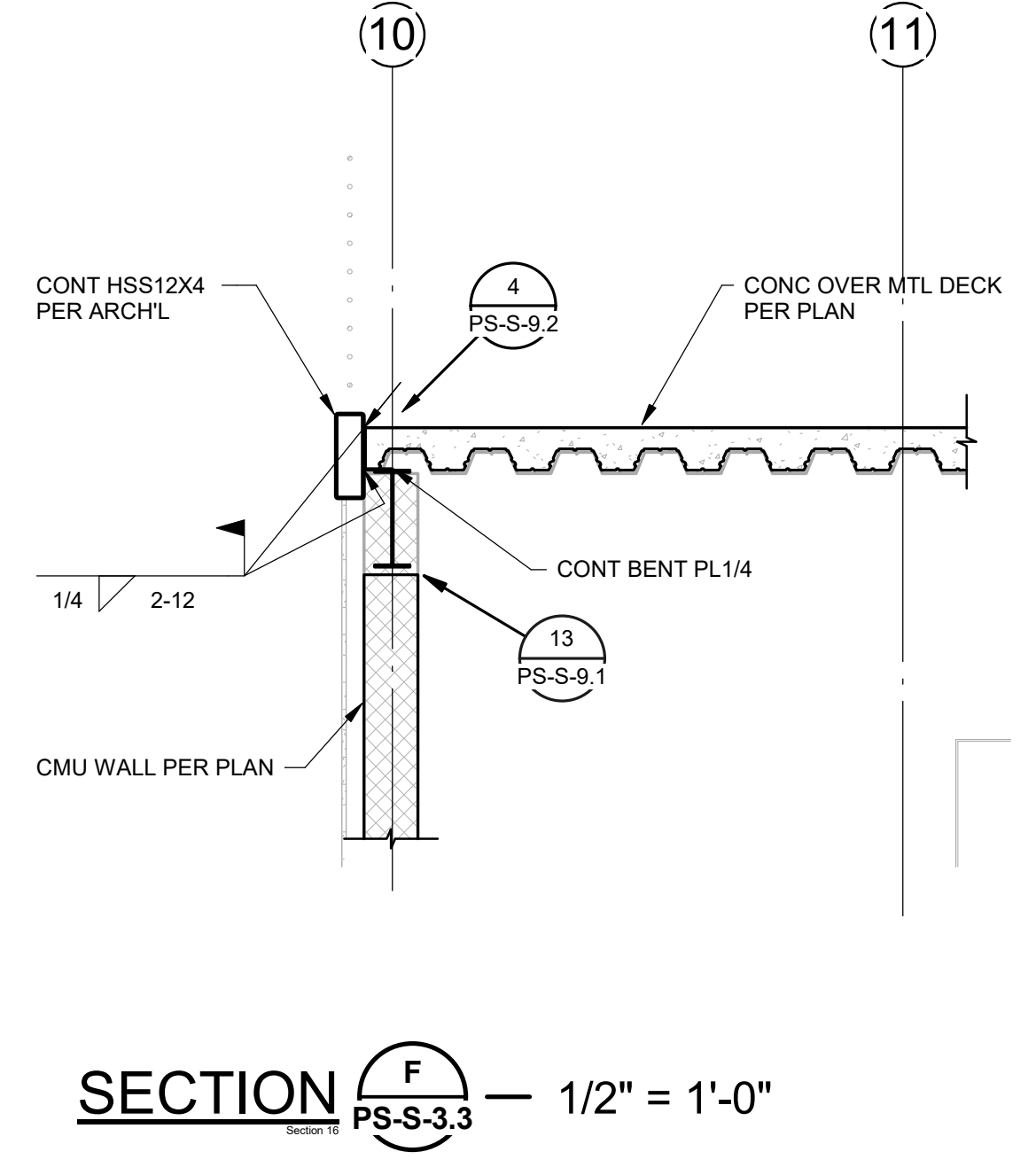
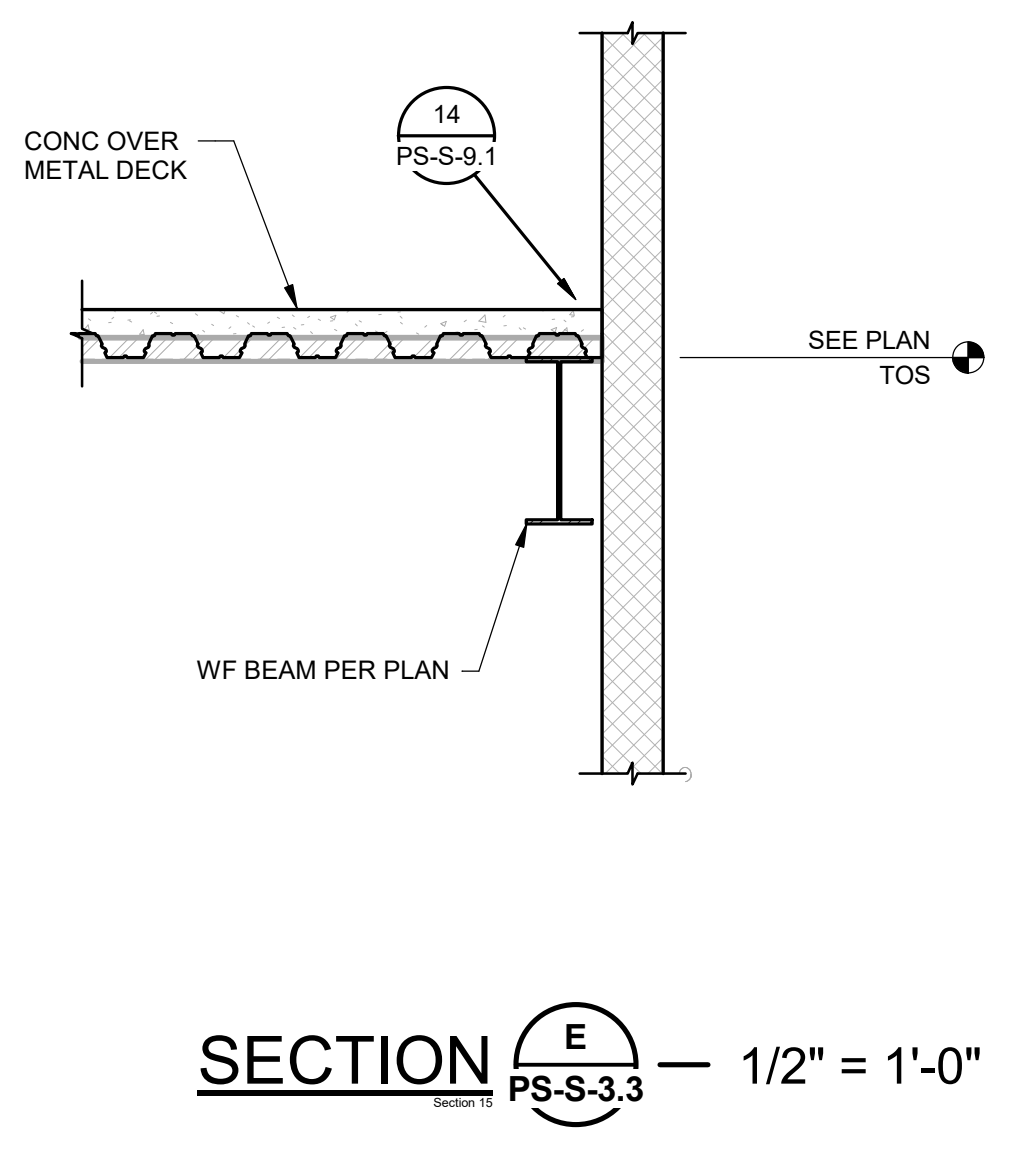
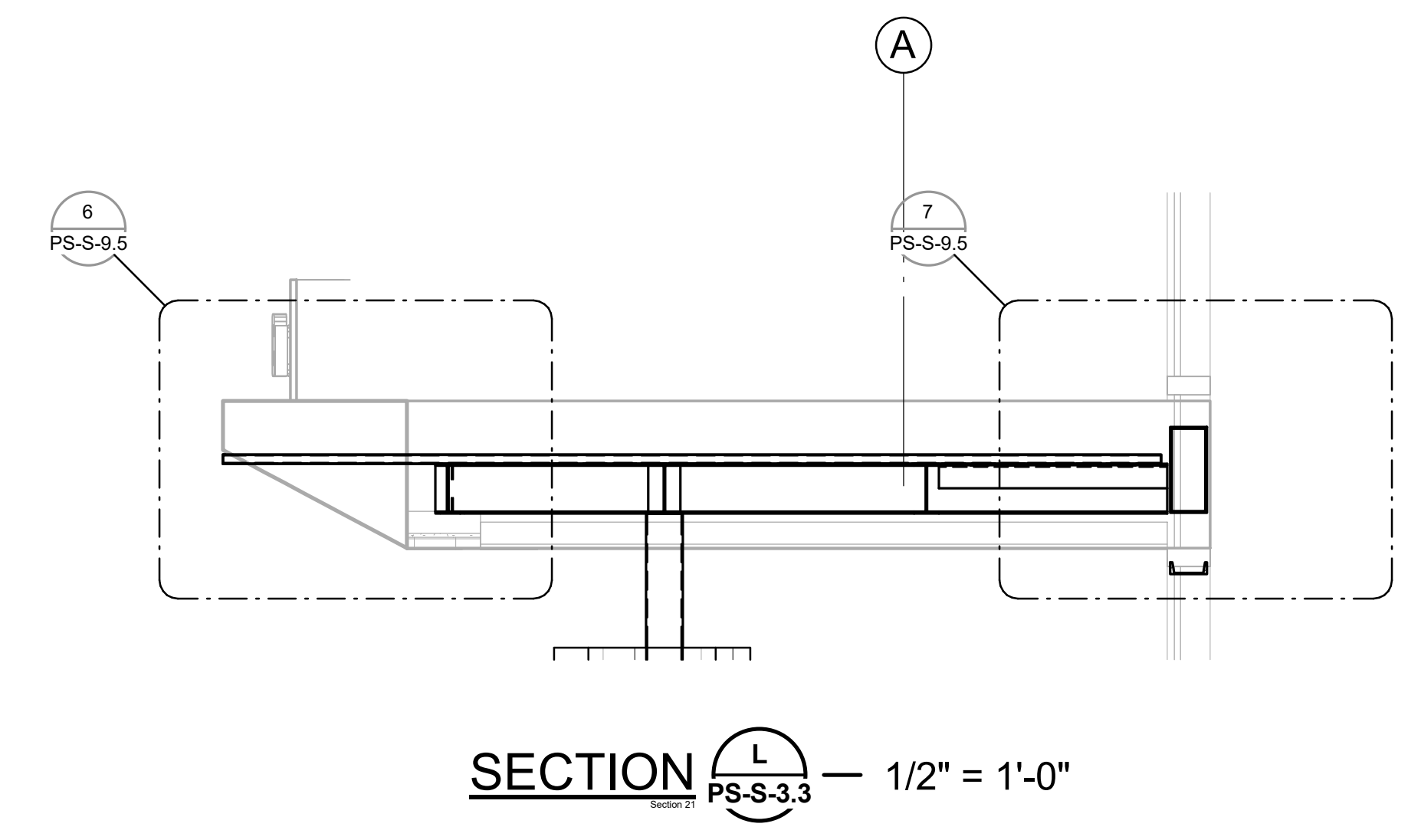
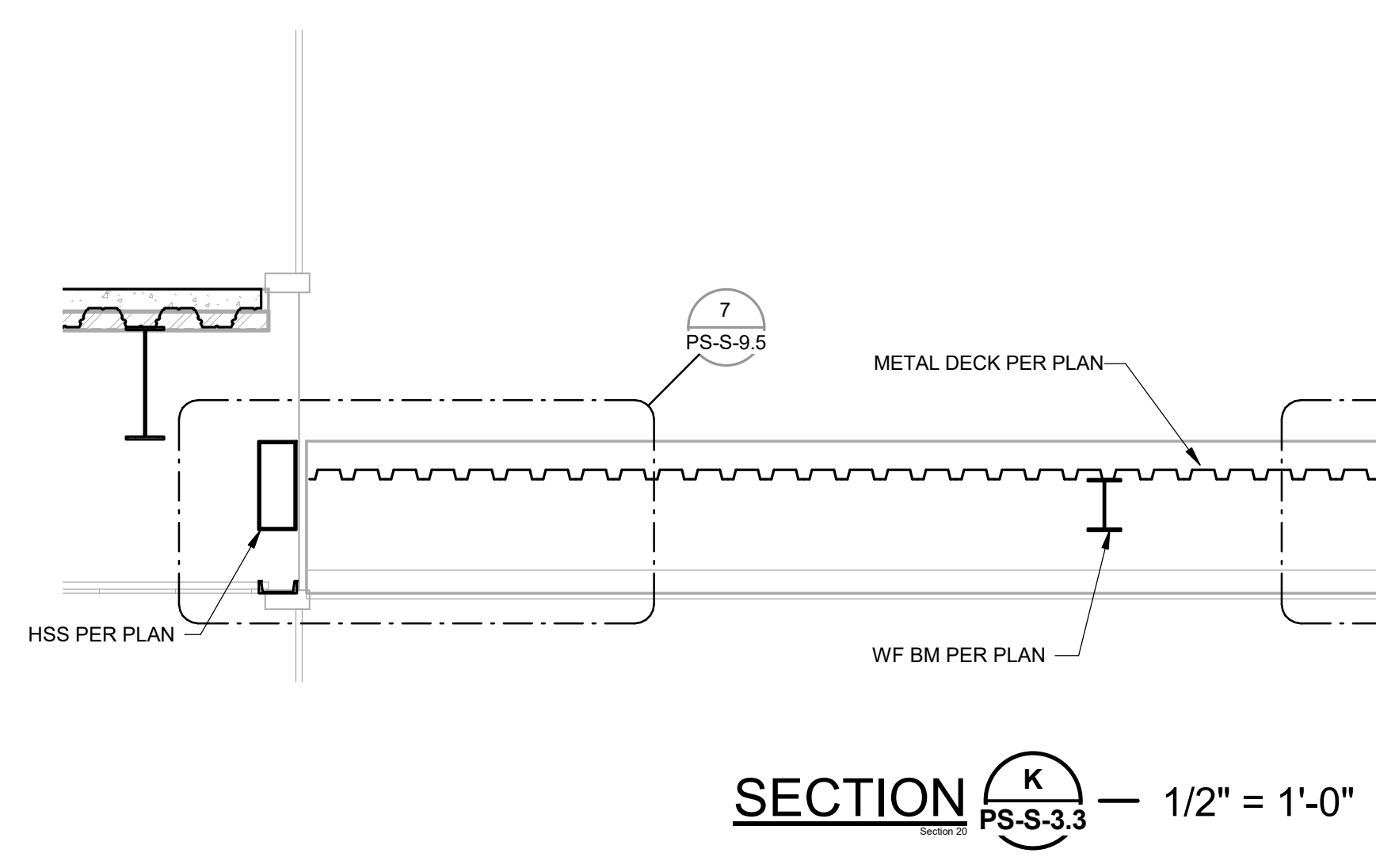
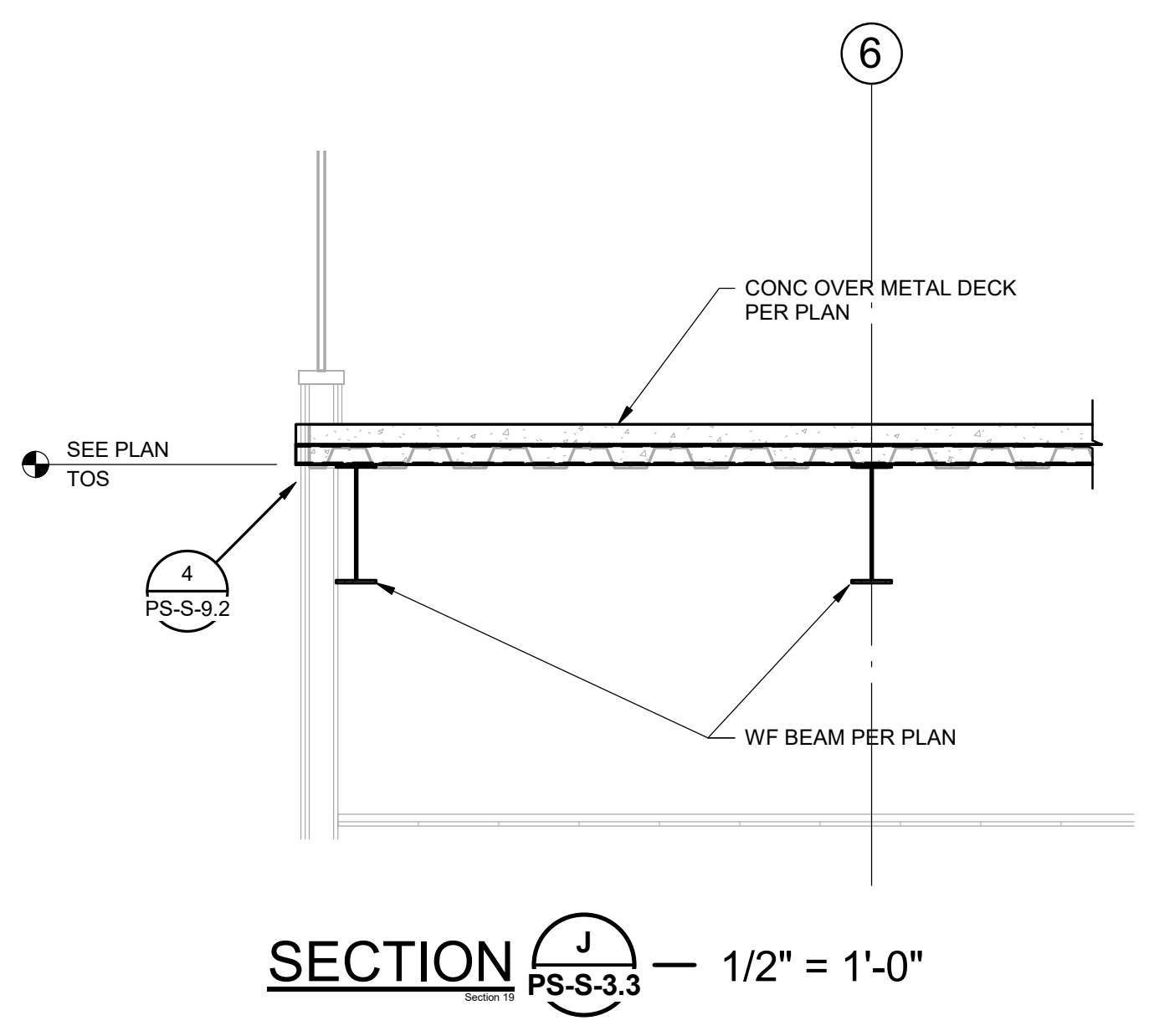
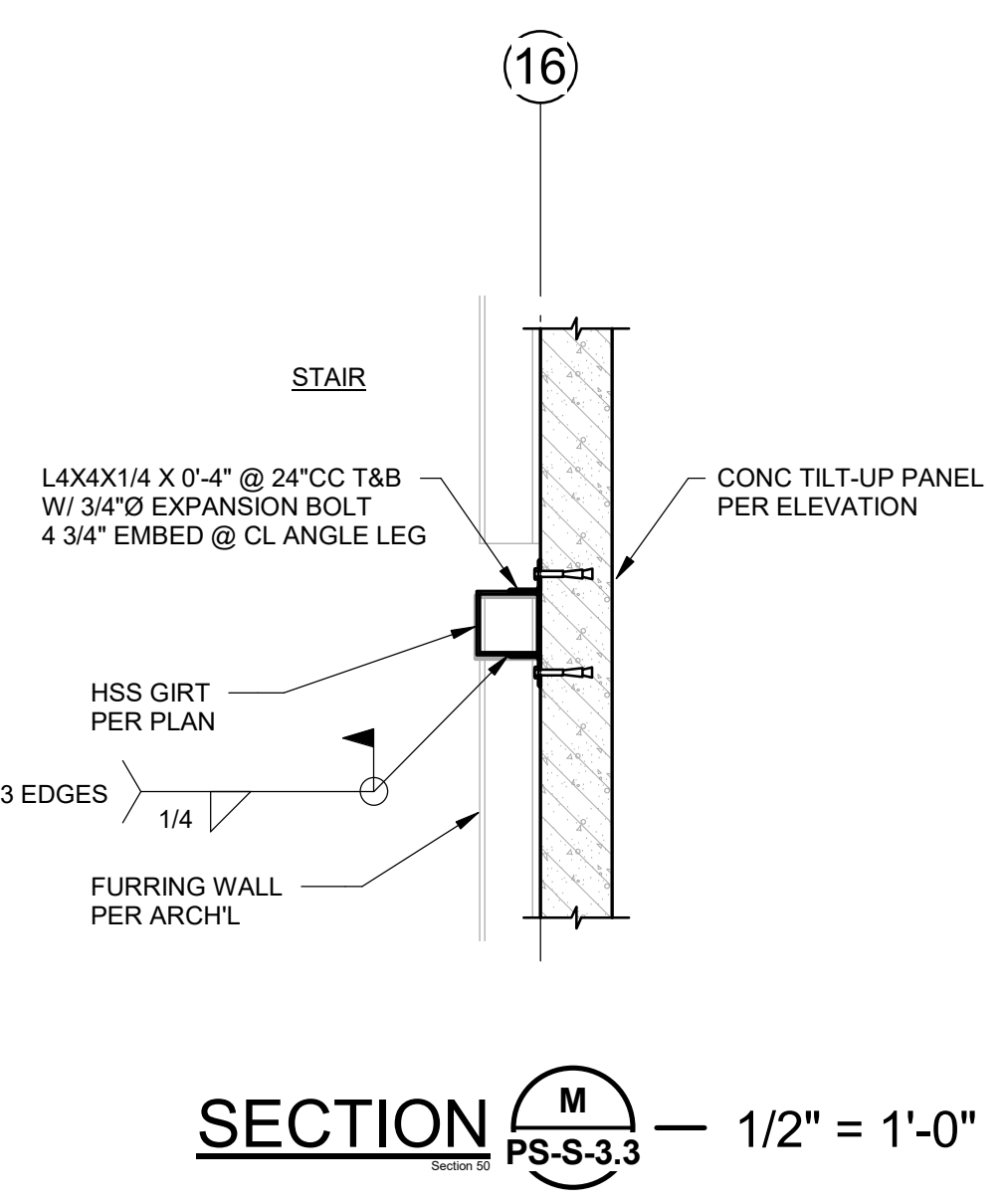
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**200 INDUSTRIAL DRIVE**  
**DIAMOND SPRINGS, CA 95619**



NO.	REVISION	DATE

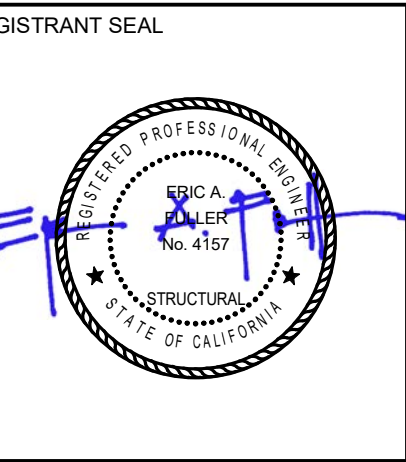
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**PS-S-3.3**  
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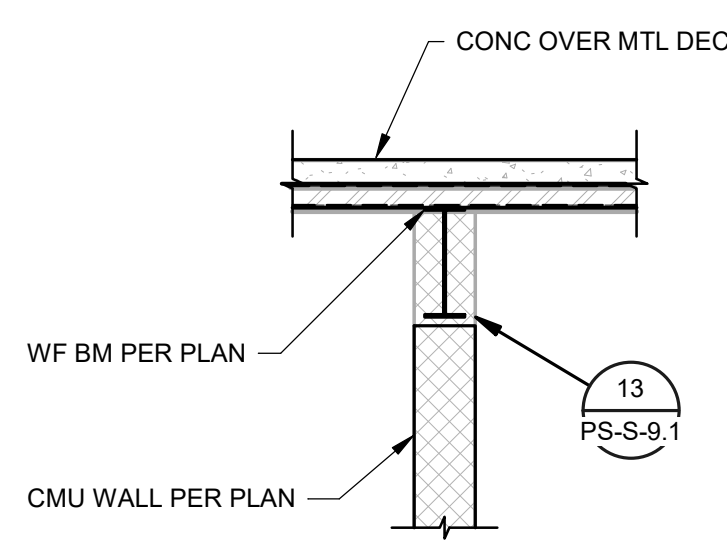


**EL DORADO PUBLIC SAFETY FACILITY**  
**PUBLIC SAFETY BUILDING & SITE**  
**200 INDUSTRIAL DRIVE**  
**DIAMOND SPRINGS, CA 95619**

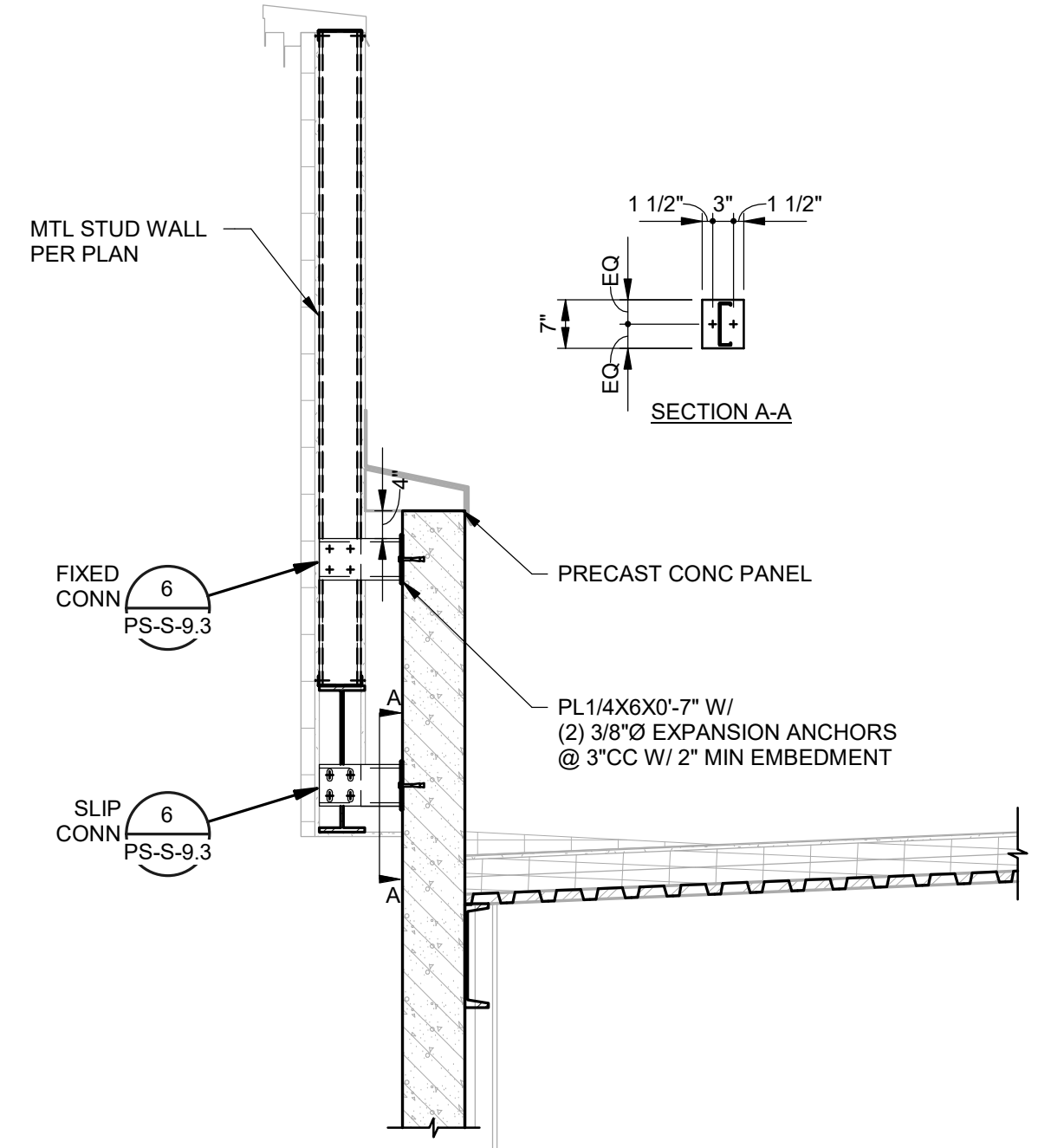


NO.	REVISION	DATE

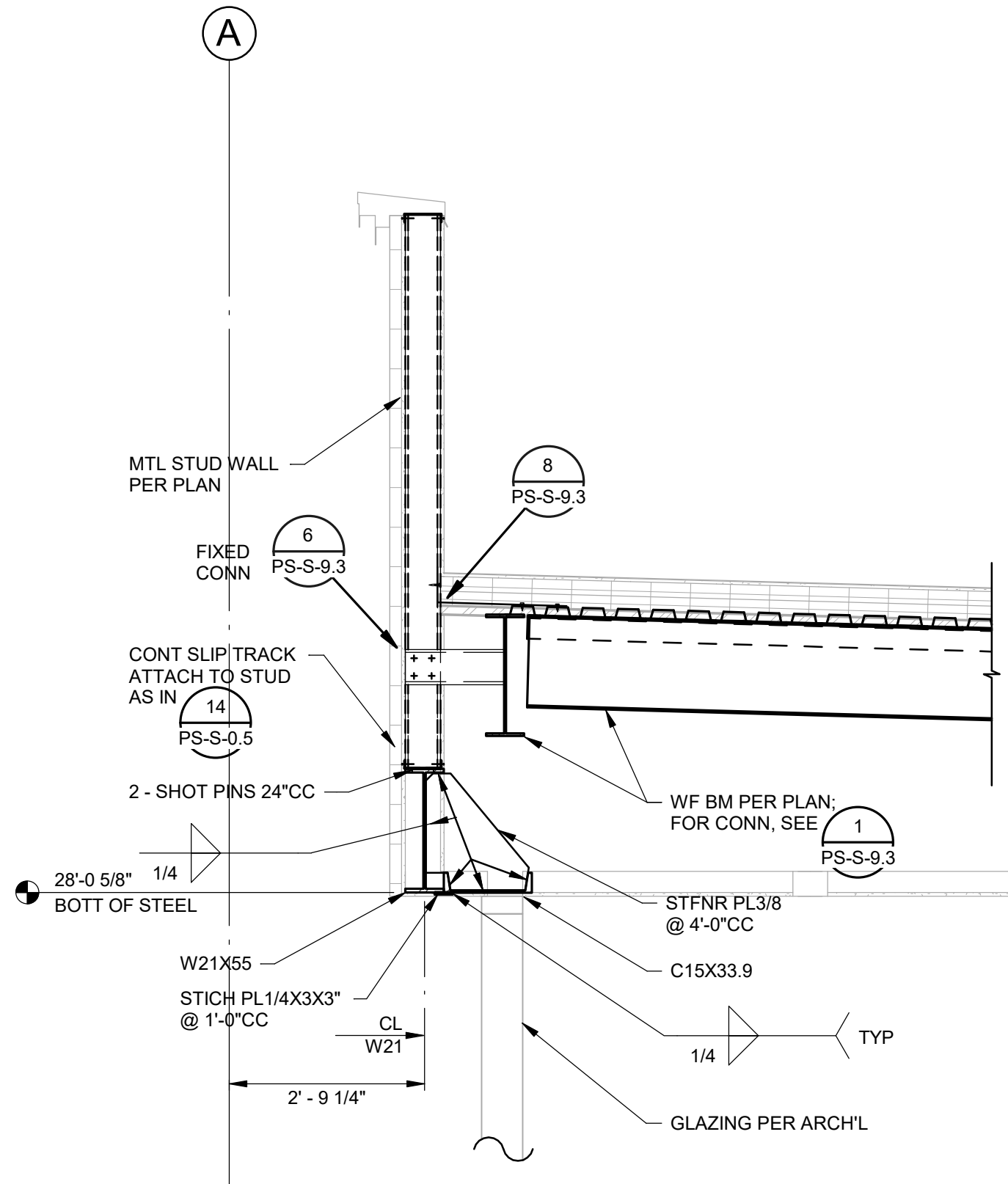
PROJECT NO.: 2017.033  
 DATE: 04-16-2018  
 DESIGNED BY: RJM  
 DRAWN BY: PVB  
 APPROVED BY: \_\_\_\_\_  
 SHEET TITLE: SECTIONS  
 SHEET NUMBER: **PS-S-3.4**  
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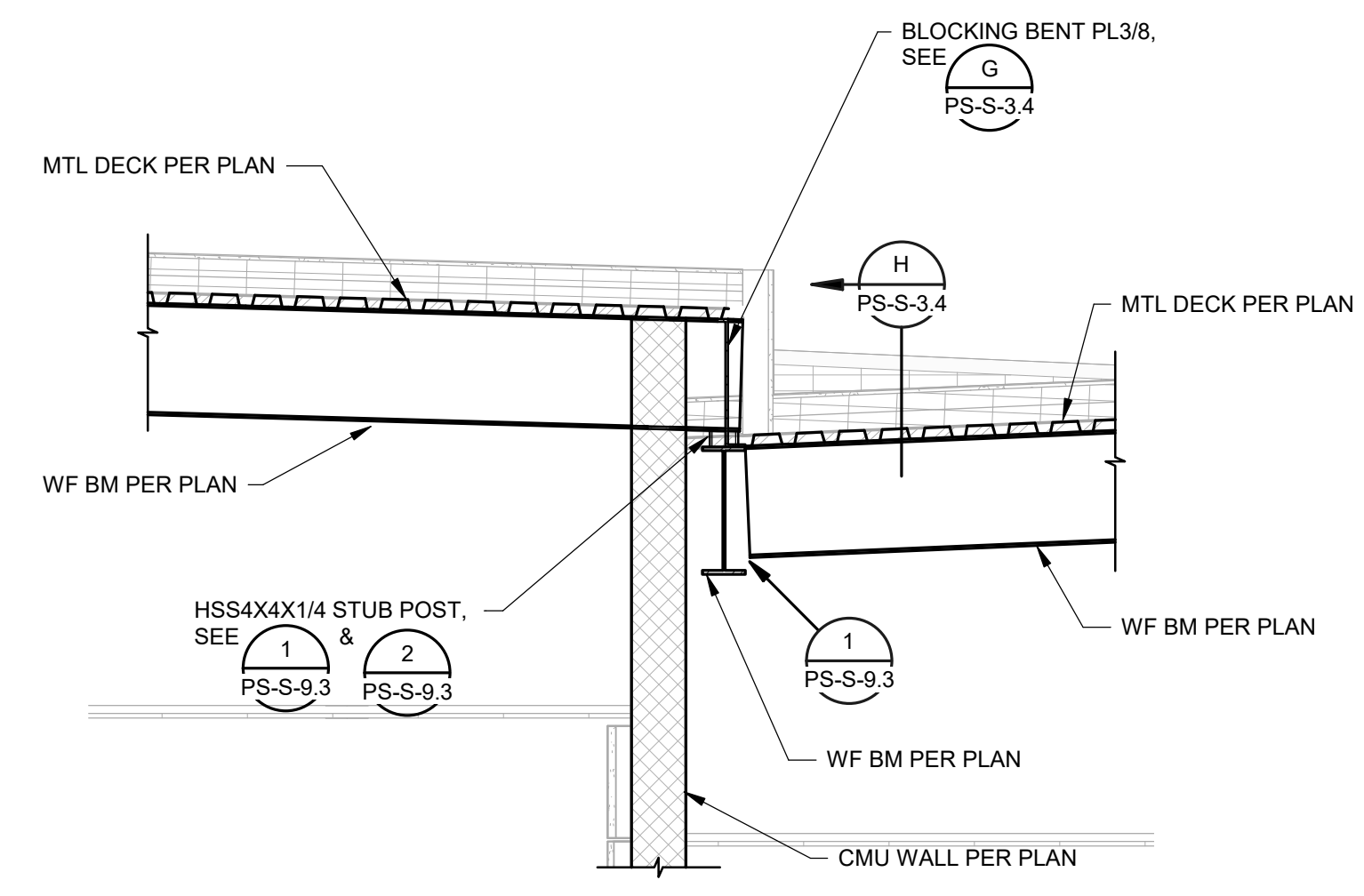
**SECTION J PS-S-3.4** — 1/2" = 1'-0"



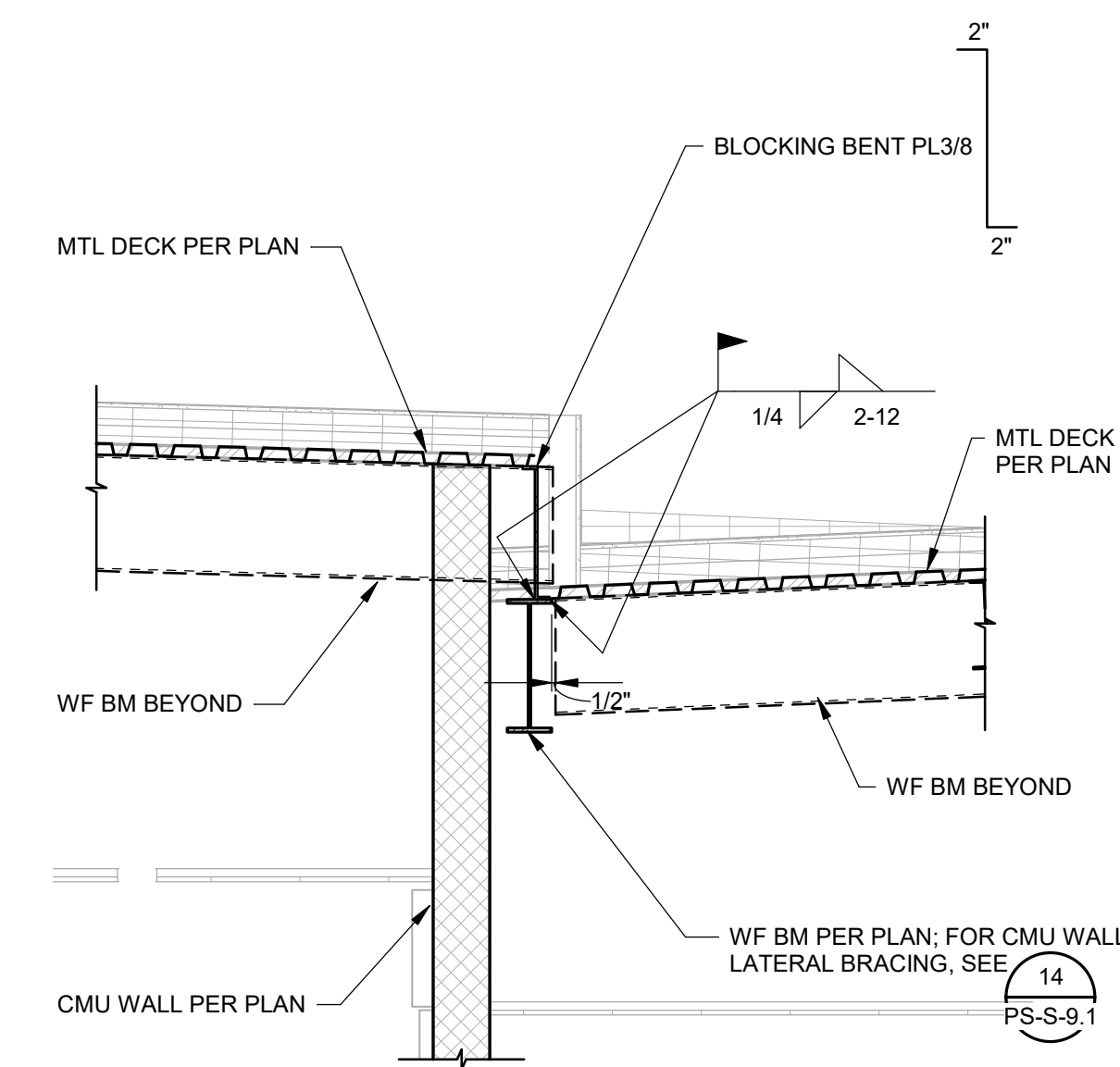
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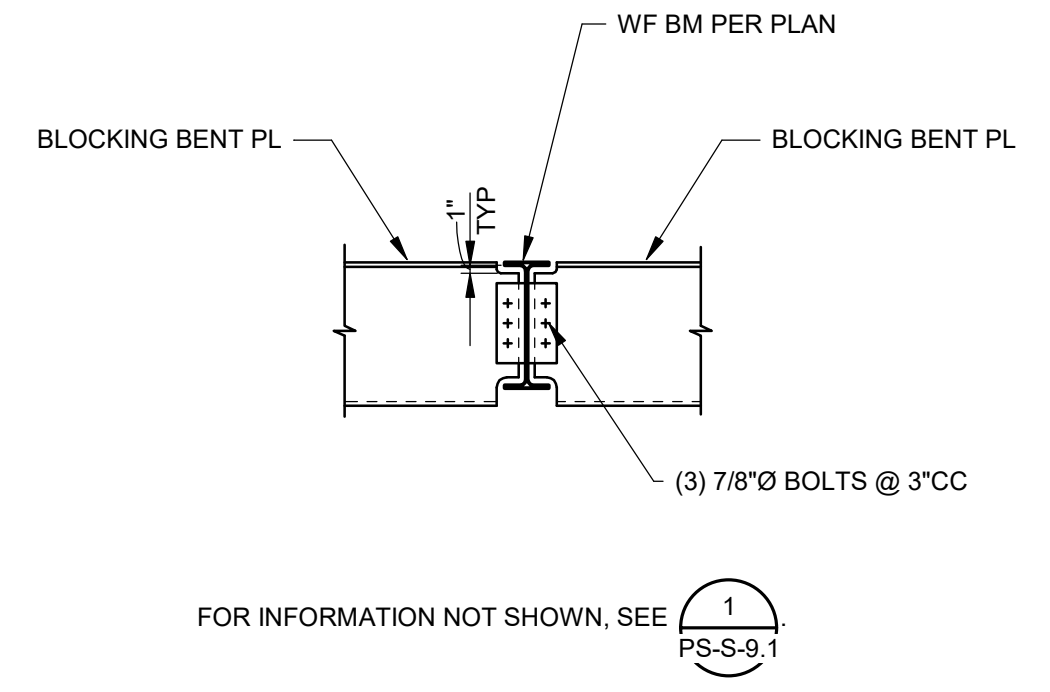
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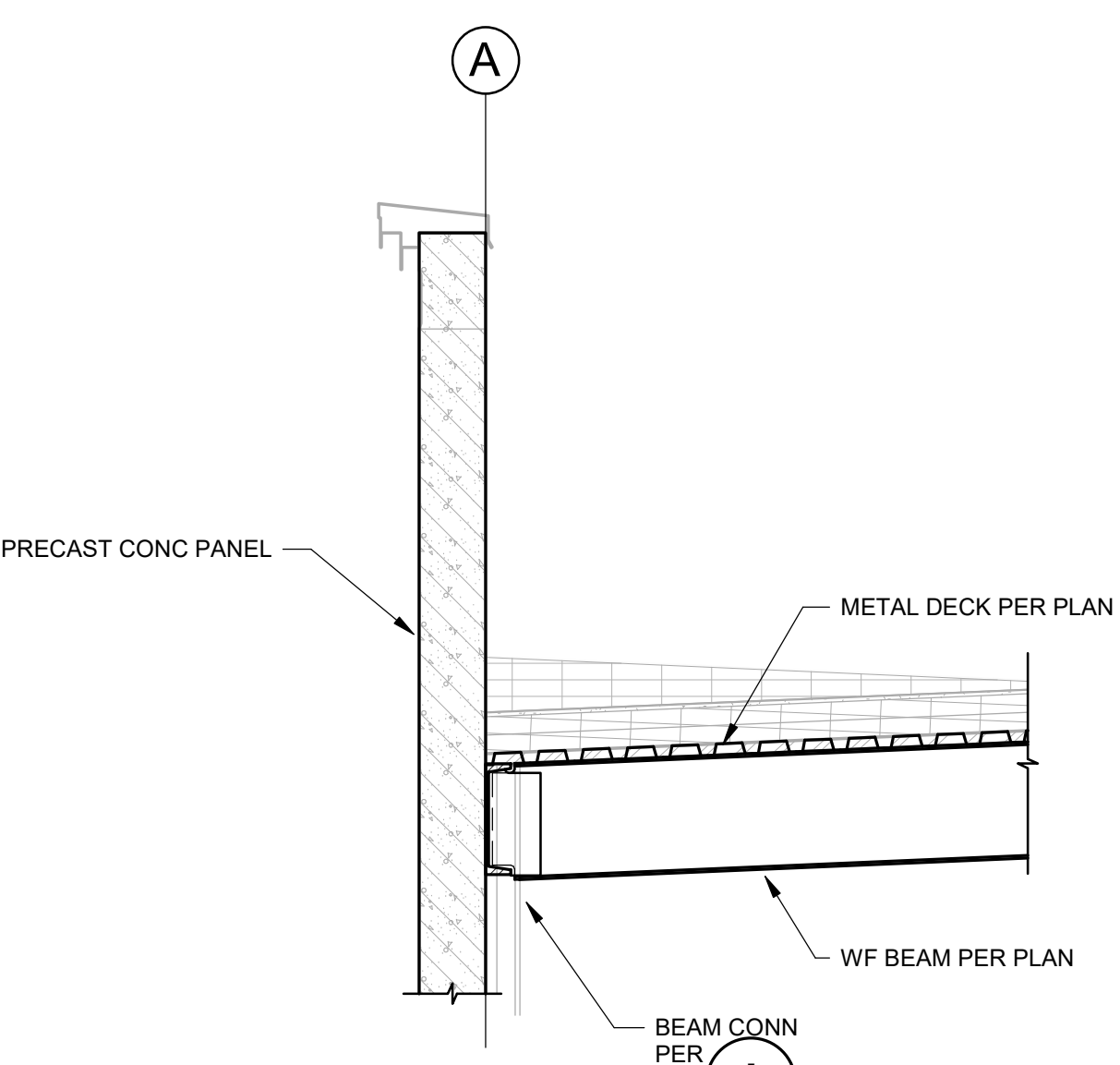
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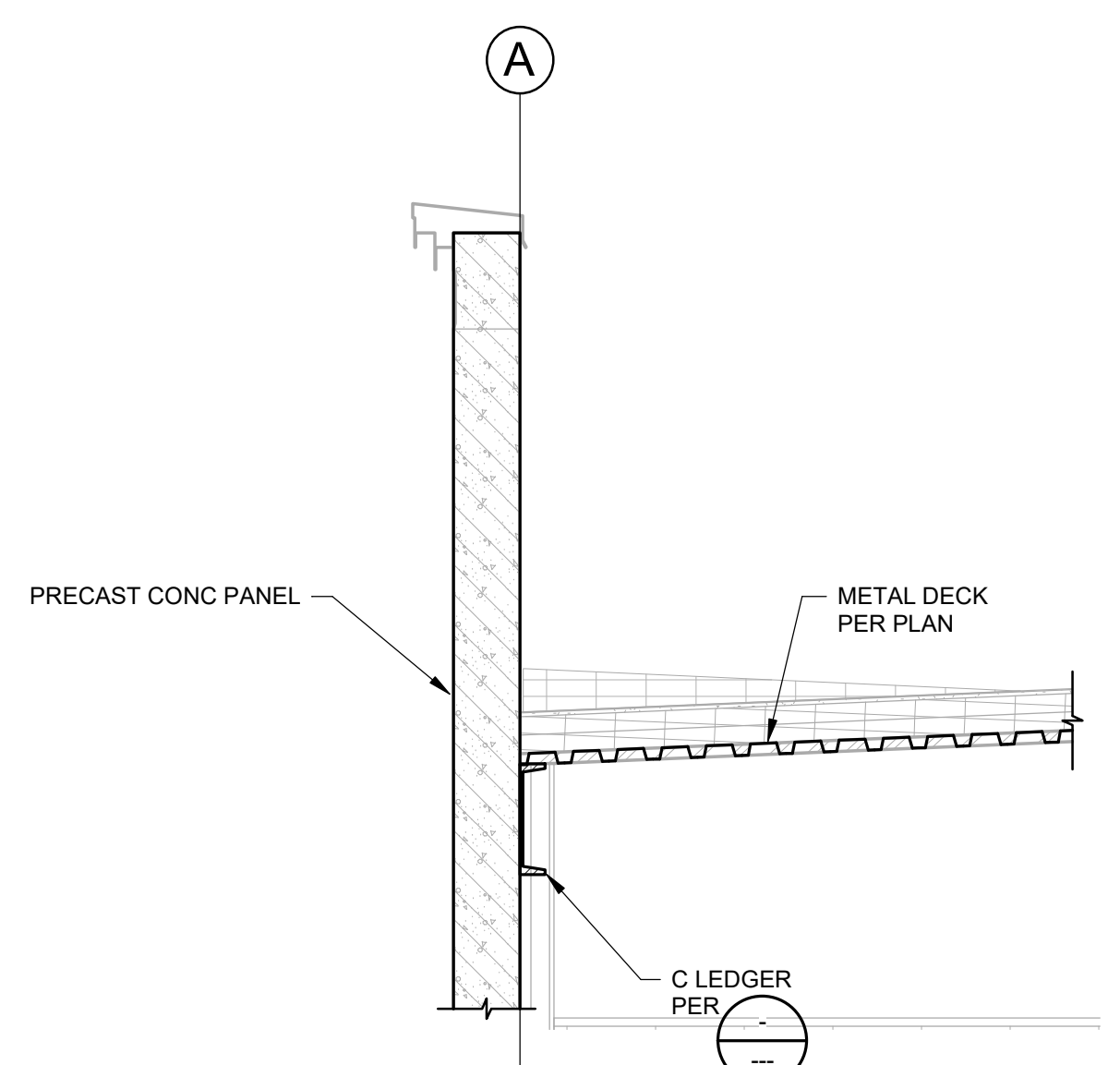
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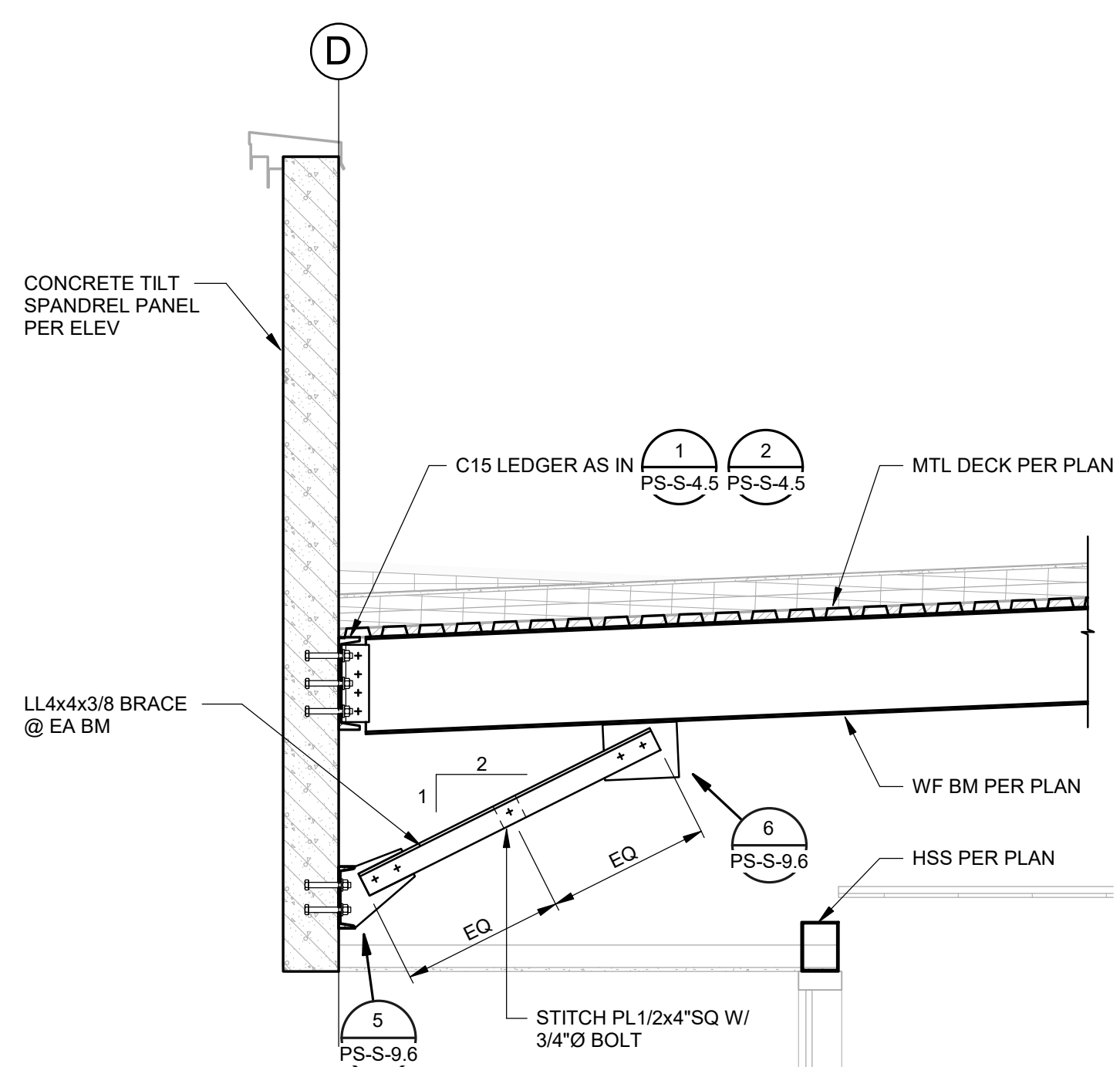
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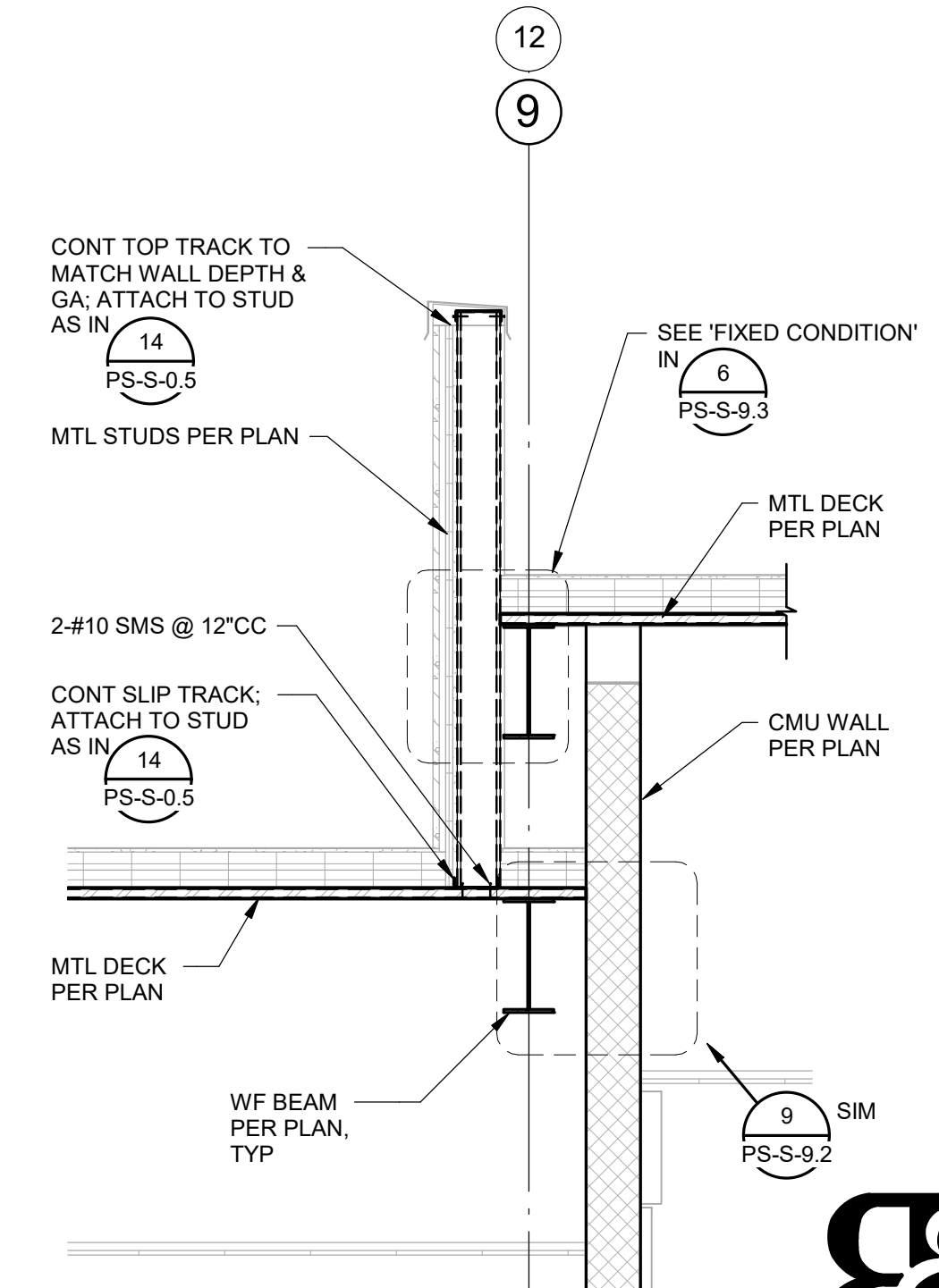
**SECTION A PS-S-3.4** — 1/2" = 1'-0"



**SECTION B PS-S-3.4** — 1/2" = 1'-0"

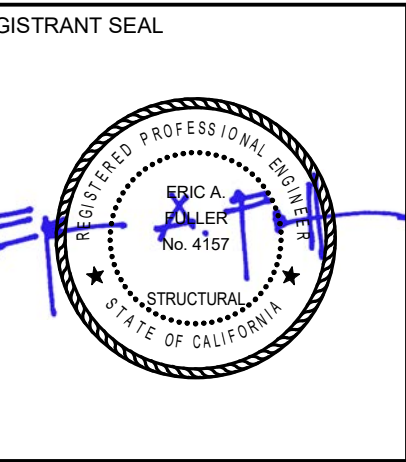


**SECTION C PS-S-3.4** — 1/2" = 1'-0"



**SECTION D PS-S-3.4** — 1/2" = 1'-0"

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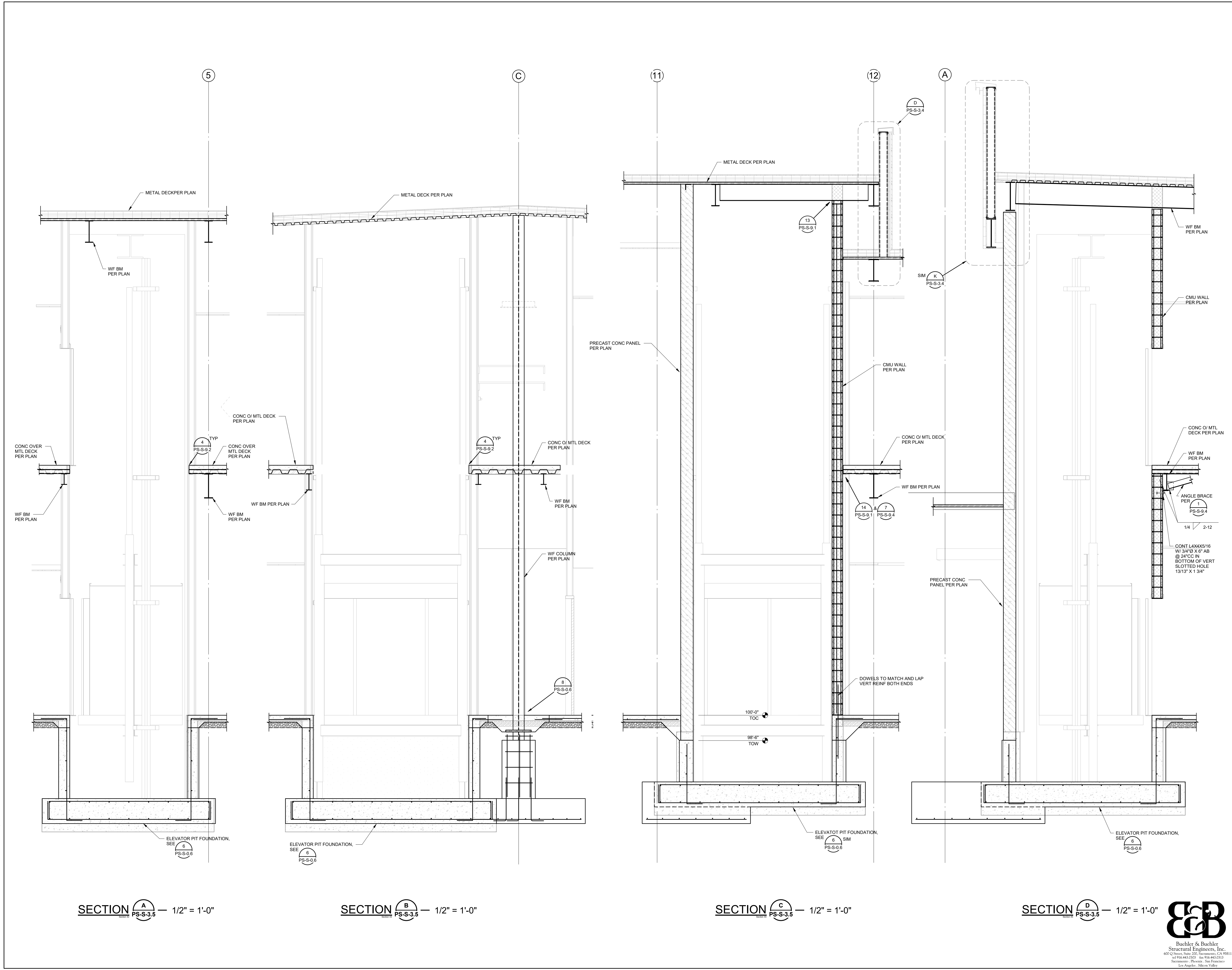
**EL DORADO PUBLIC SAFETY FACILITY**  
**PUBLIC SAFETY BUILDING & SITE**  
**200 INDUSTRIAL DRIVE**  
**DIAMOND SPRINGS, CA 95619**



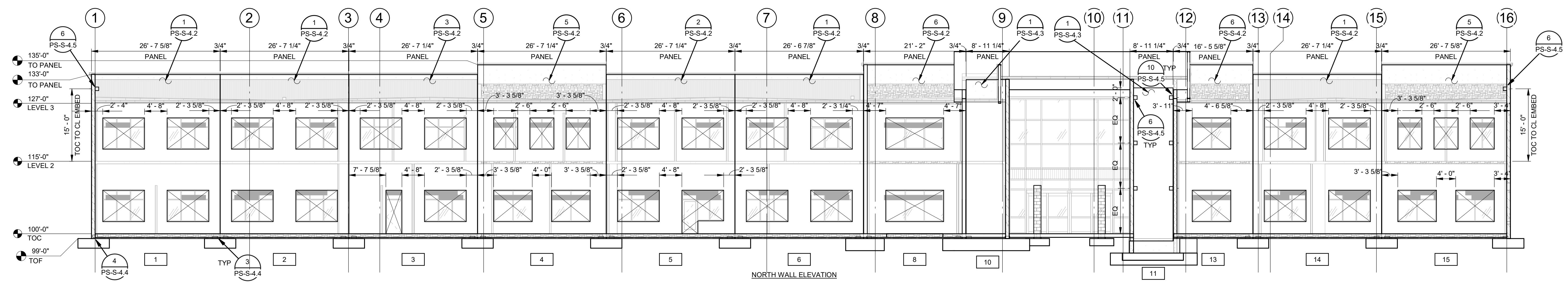
NO.	REVISION	DATE

PROJECT NO.: 2017.033  
 DATE: 04-16-2018  
 DESIGNED BY: Designer  
 DRAWN BY: Author  
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 SHEET TITLE: SECTIONS

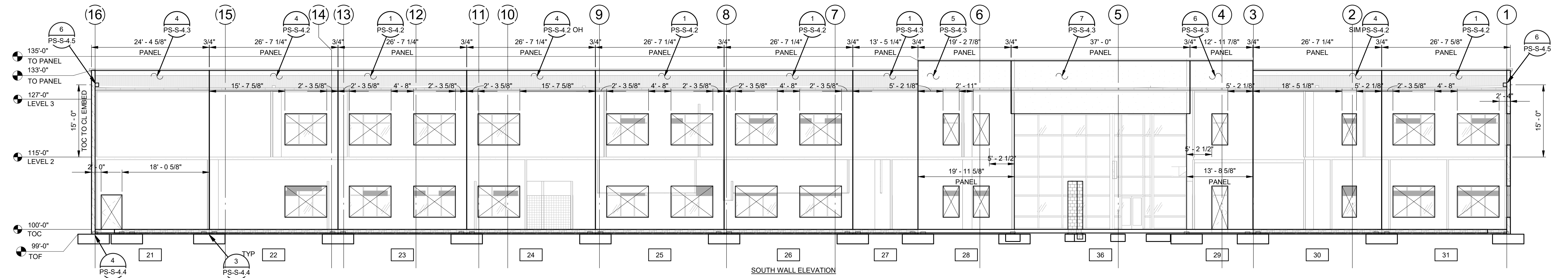
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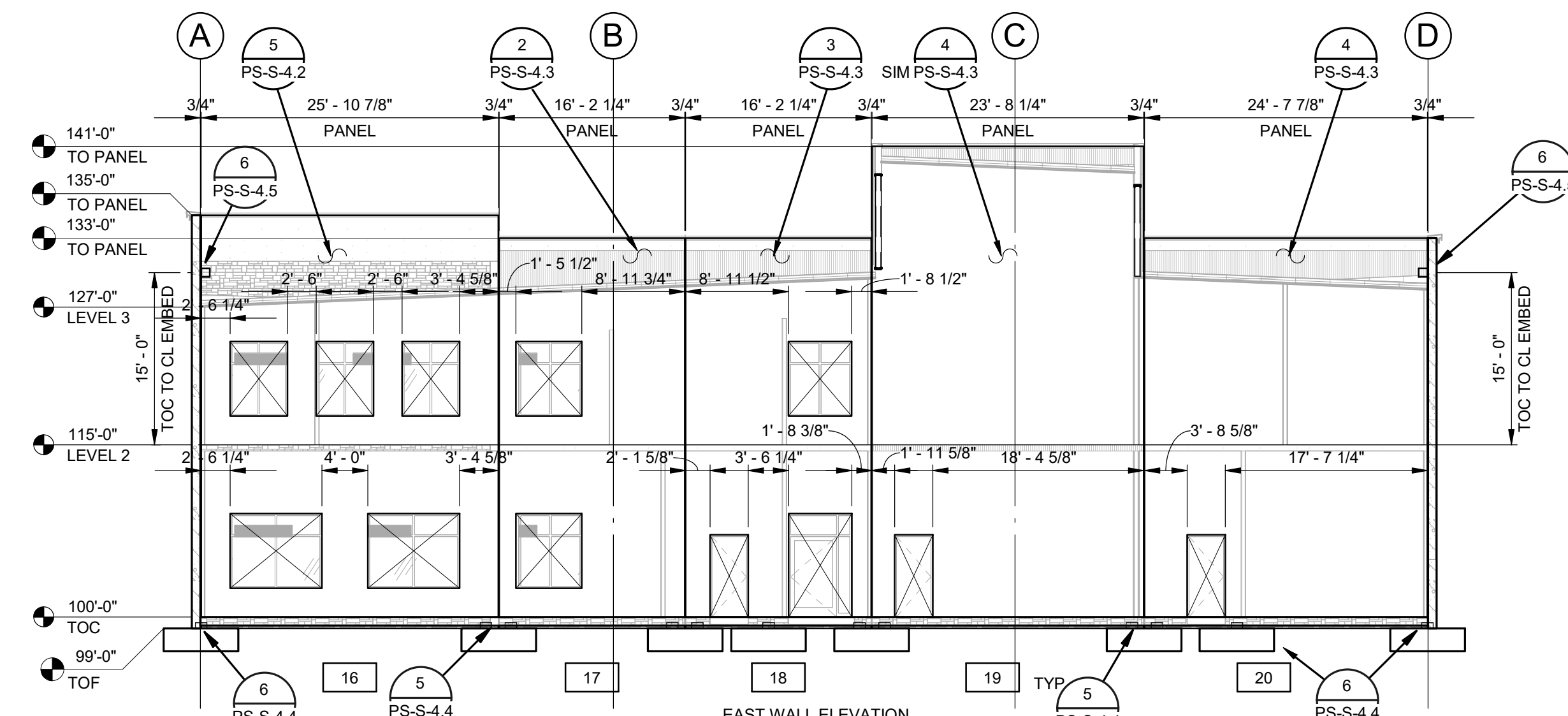
Buchler & Buehler  
 Structural Engineers, Inc.  
 600 O Street, Suite 200, Sacramento, CA 95811  
 916.443.3253 Fax 916.443.2313  
 Sacramento - Phoenix - San Francisco  
 Los Angeles - Silicon Valley



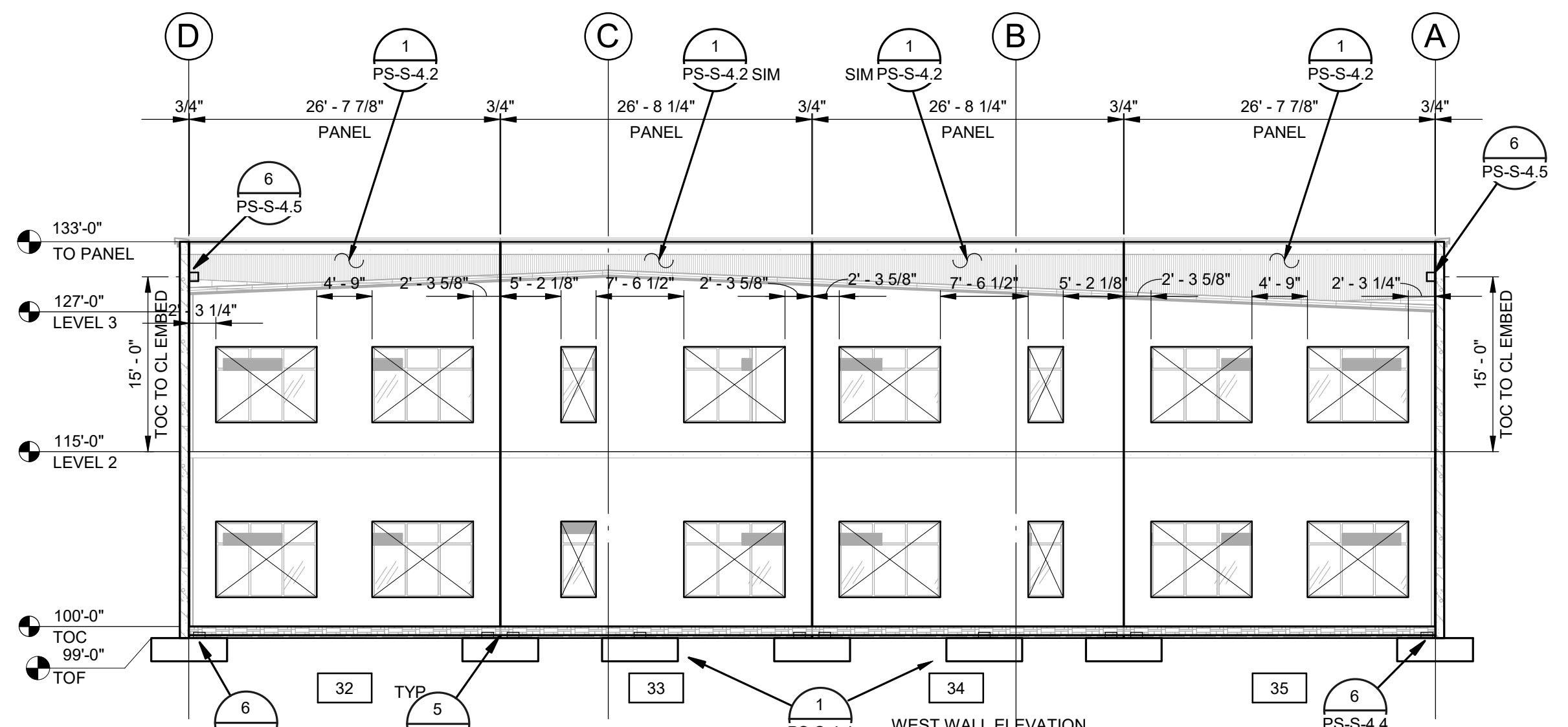
**ELEVATION 1** — 3/32" = 1'-0"  
GRID A



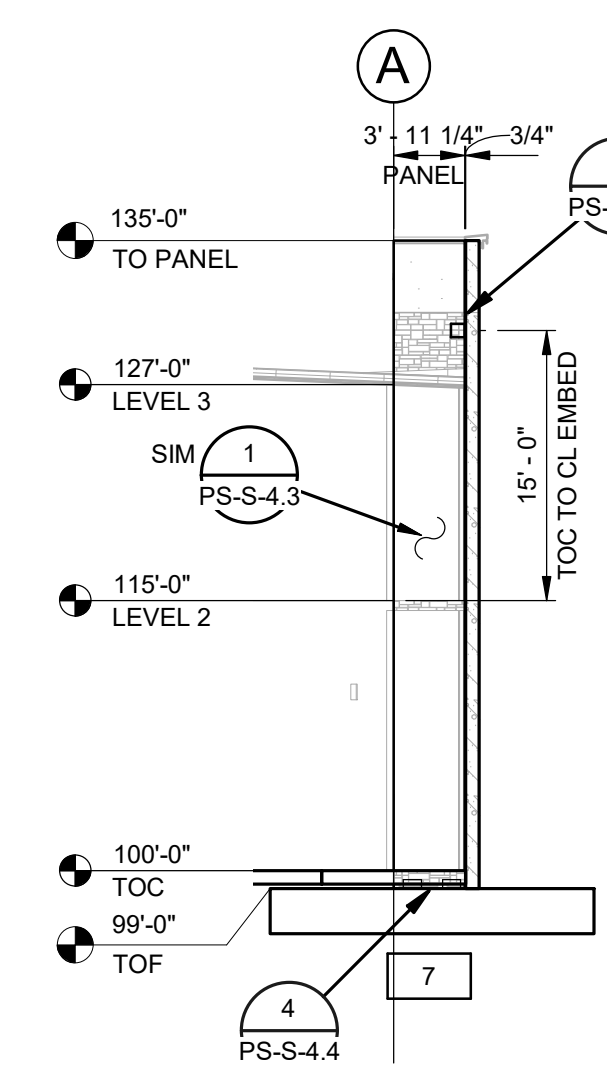
**ELEVATION 2** — 3/32" = 1'-0"  
GRID D



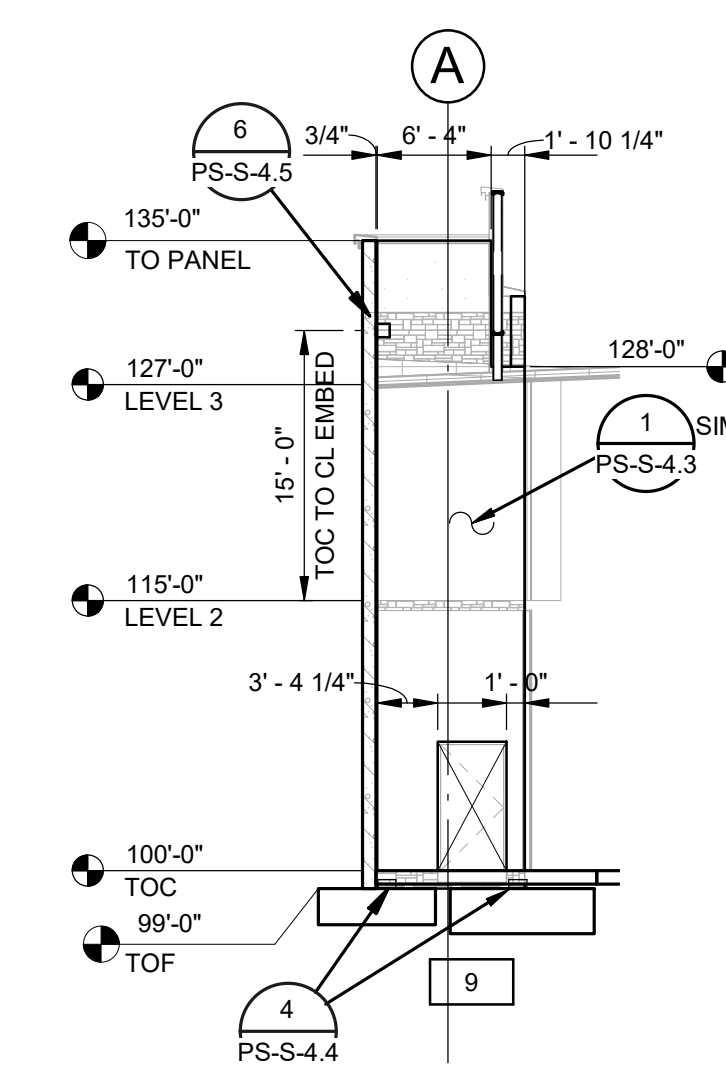
**ELEVATION 3** — 3/32" = 1'-0"  
GRID I2



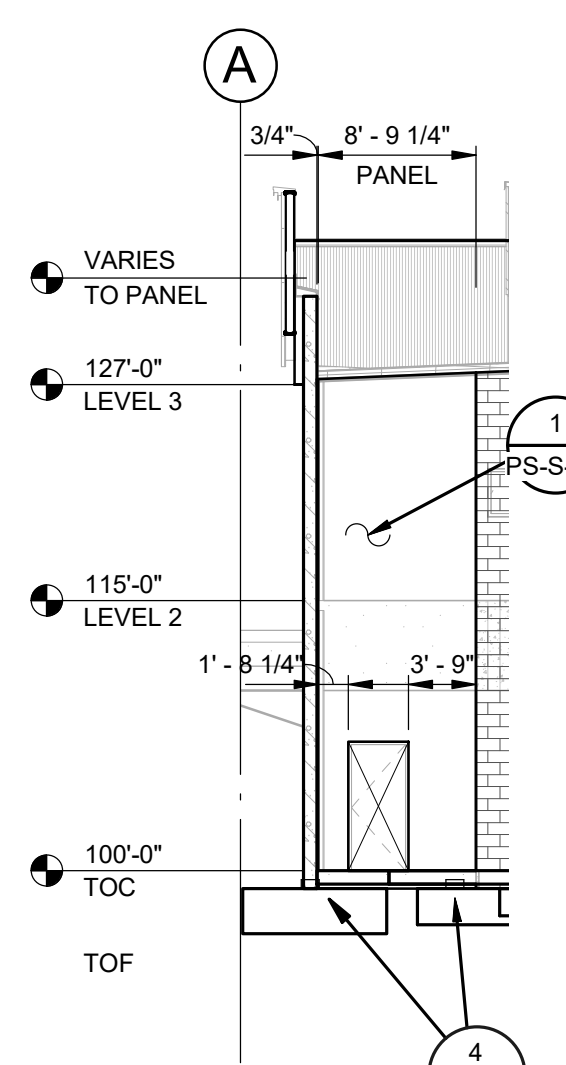
**ELEVATION 4** — 3/32" = 1'-0"  
GRID I1



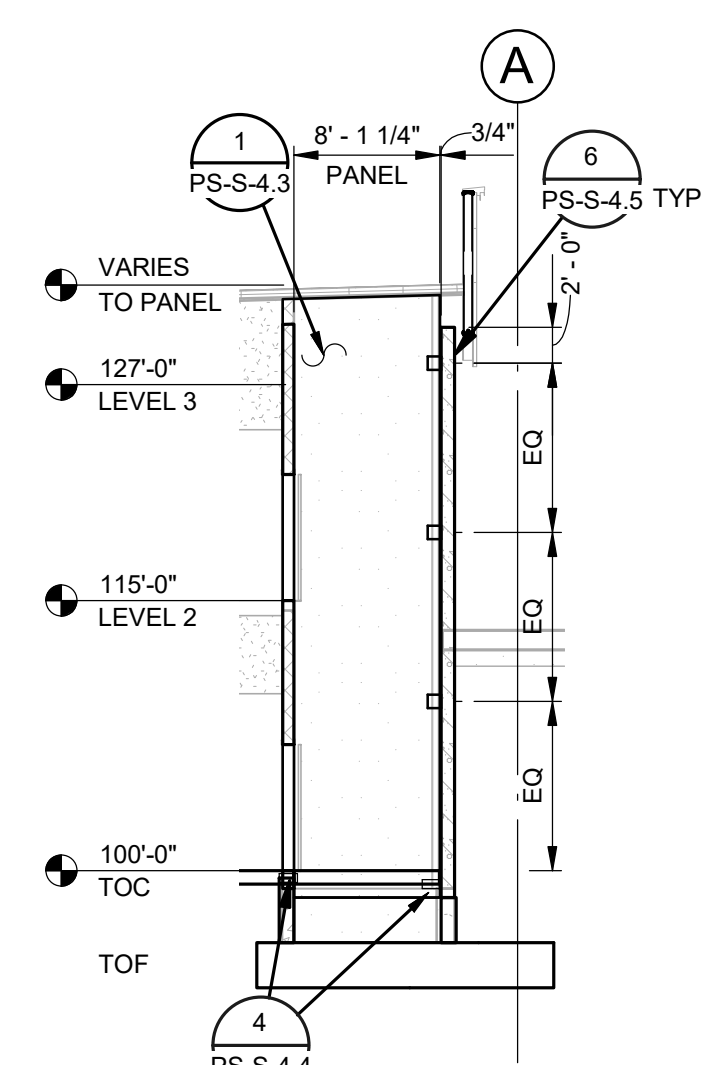
**ELEVATION 5** — 3/32" = 1'-0"



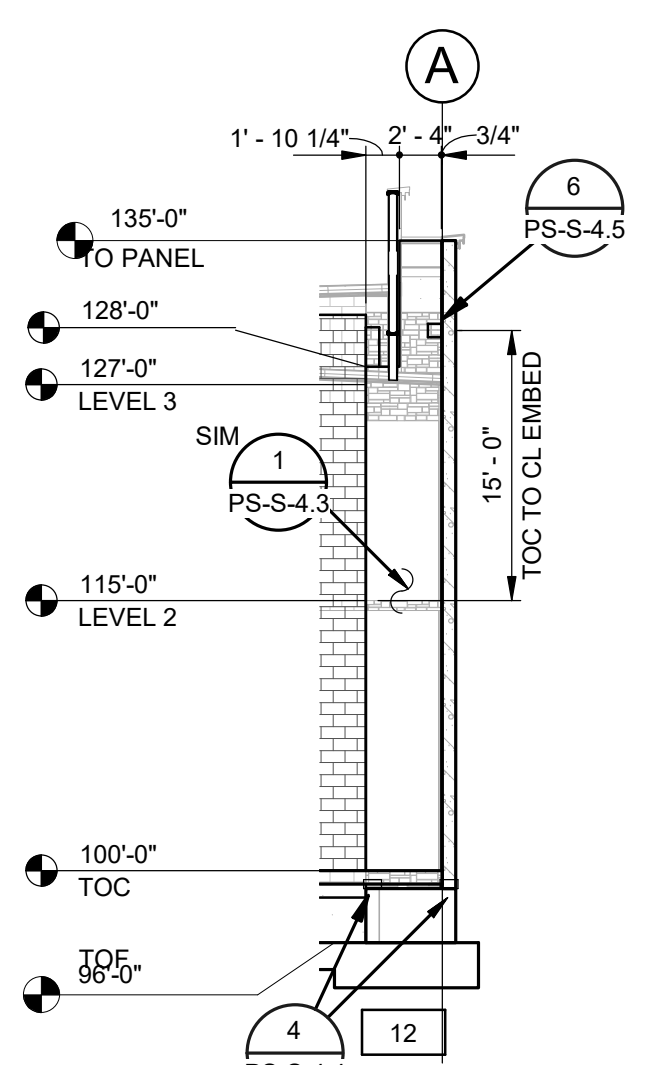
**ELEVATION 6** — 3/32" = 1'-0"



**ELEVATION 7** — 3/32" = 1'-0"



**ELEVATION 8** — 3/32" = 1'-0"

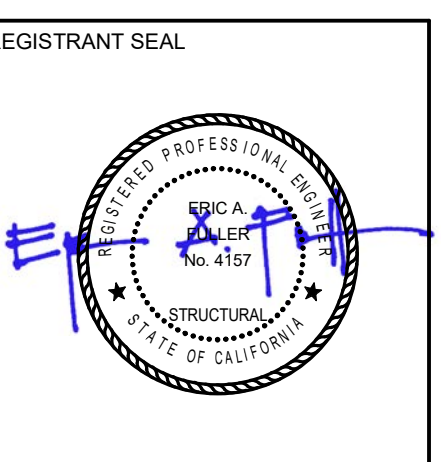


**ELEVATION 9** — 3/32" = 1'-0"

**C/S**  
C/S BROWARD  
builders

**Arrington Watkins Architects**

2024 Opportunity Drive, Suite 150  
Roseville, California 95678  
Telephone: (916) 538-7707  
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**EL DORADO PUBLIC SAFETY FACILITY  
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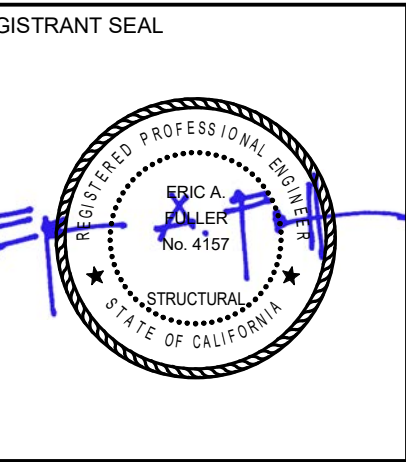
PROJECT NO.: 2017.033  
DATE: 04-16-2018  
DESIGNED BY: R.J.M.  
DRAWN BY: P.V.B.  
APPROVED BY: [Signature]  
SHEET TITLE: WALL ELEVATIONS

**B&B**  
Buchler & Buehler  
Structural Engineers, Inc.  
600 O Street, Suite 200, Sacramento, CA 95811  
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**PS-S-4.1**

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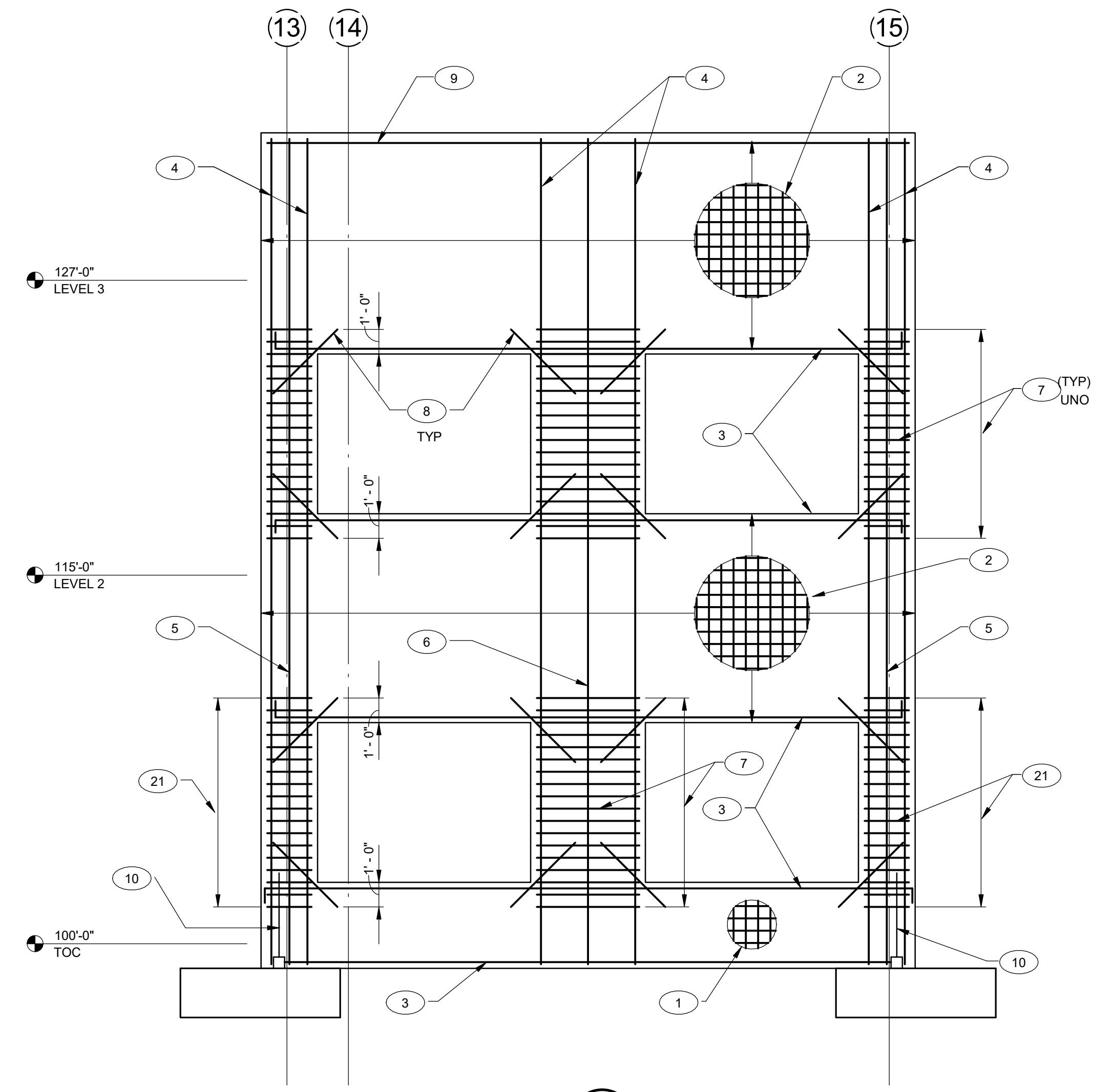


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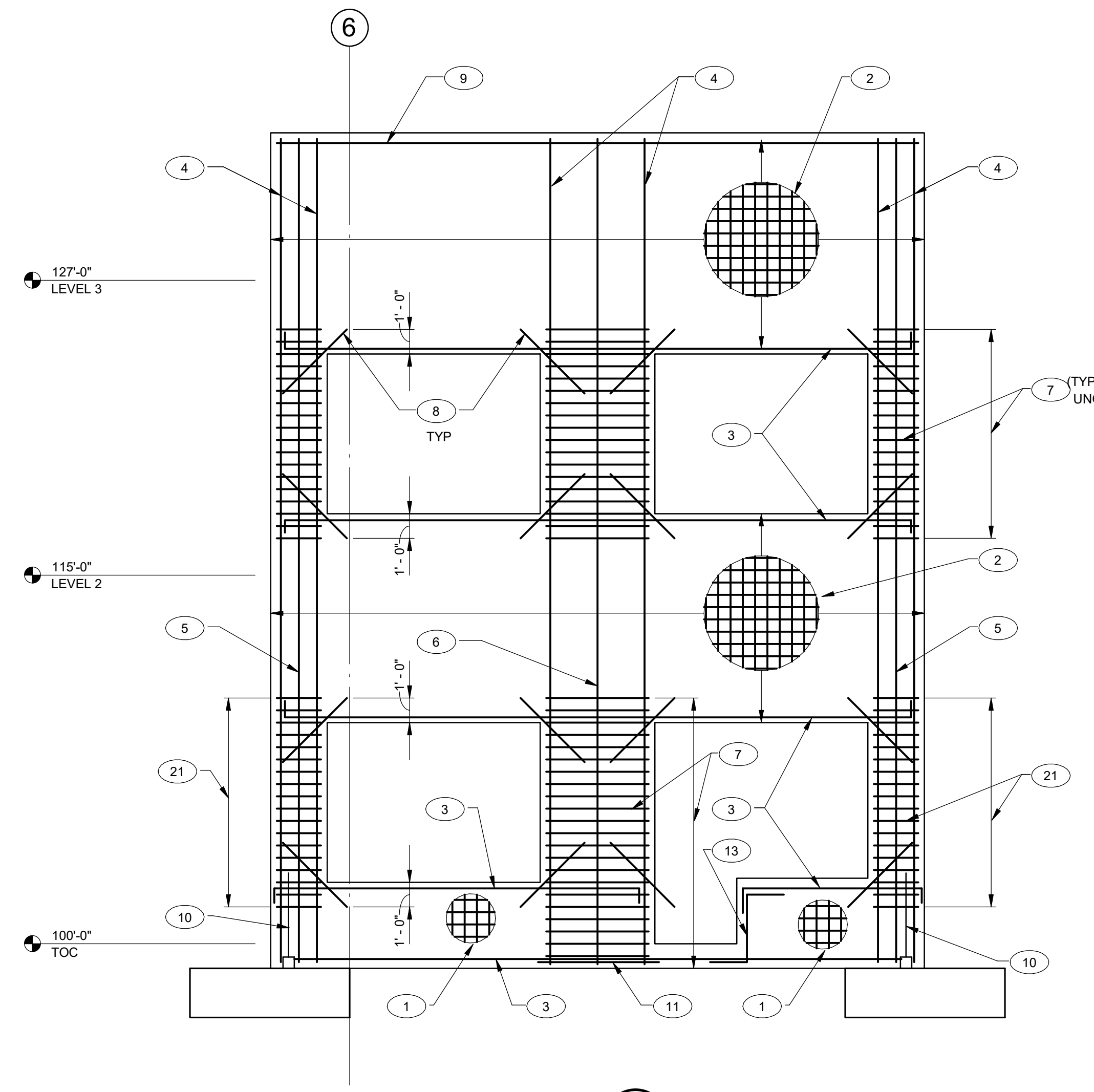
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DATE: 04-16-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
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SHEET TITLE:  
PANEL ELEVATIONS

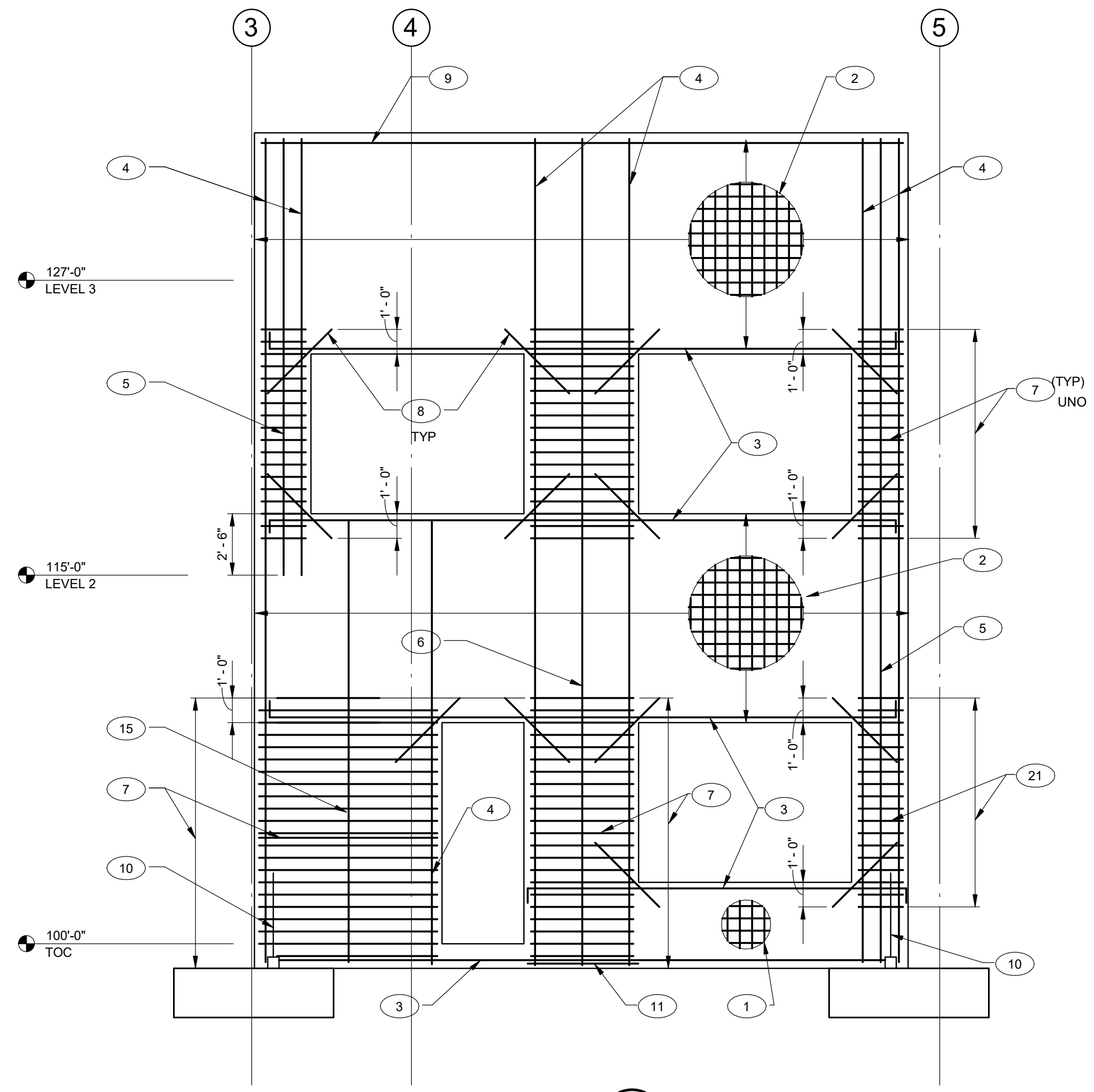
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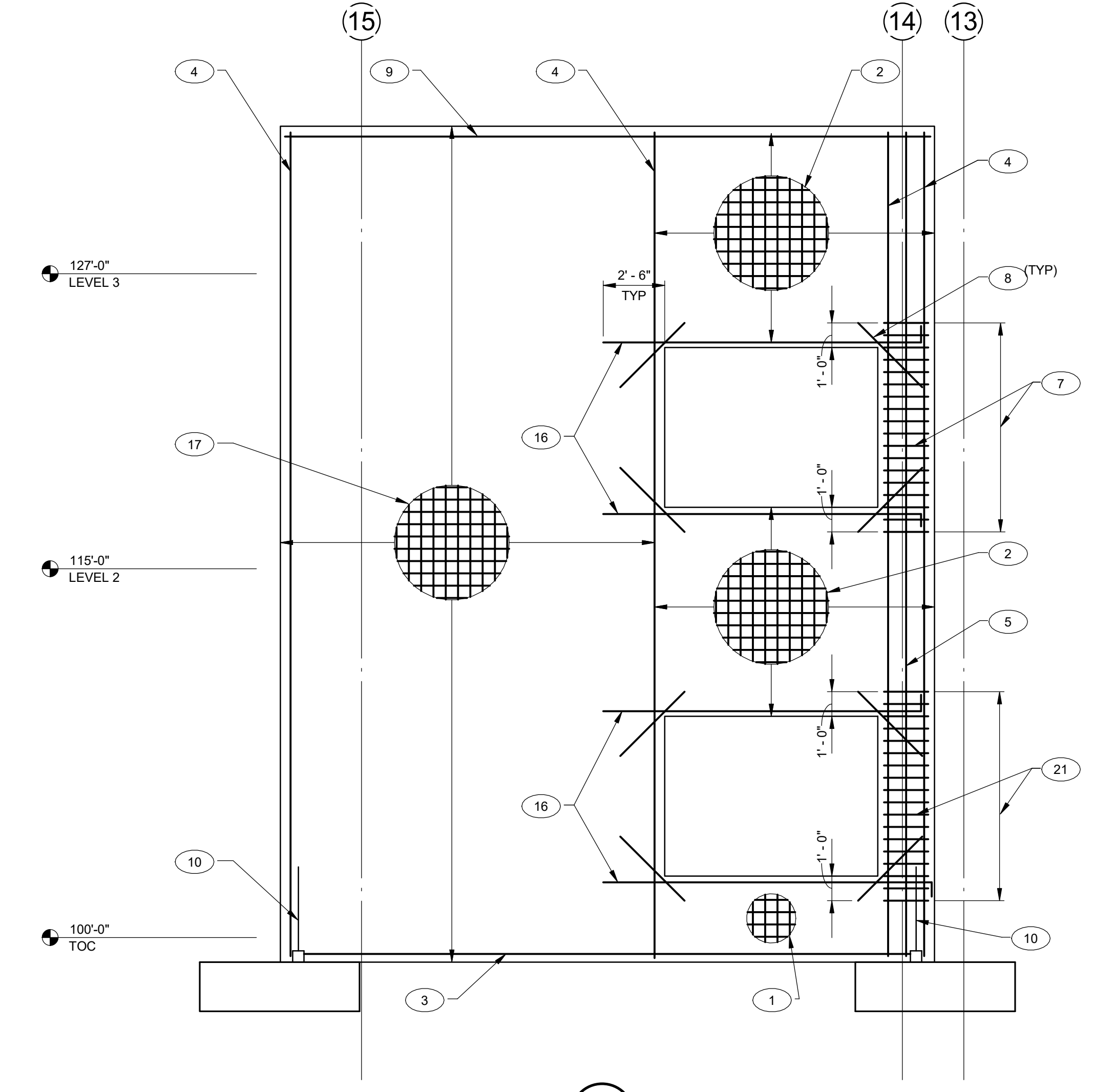
**ELEVATION 1** — 1/4" = 1'-0"  
PS-S-4.2



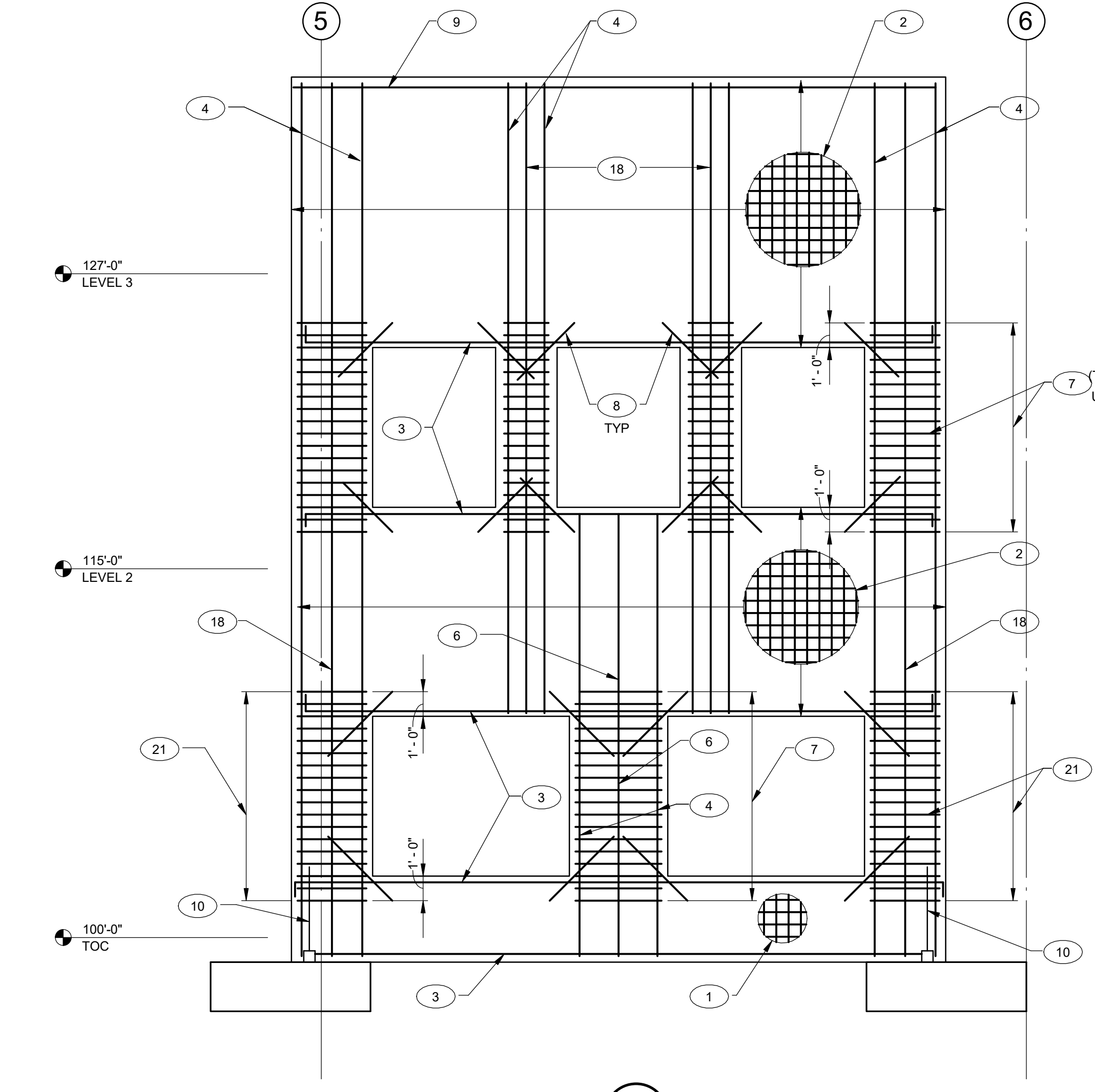
**ELEVATION 2** — 1/4" = 1'-0"  
PS-S-4.2



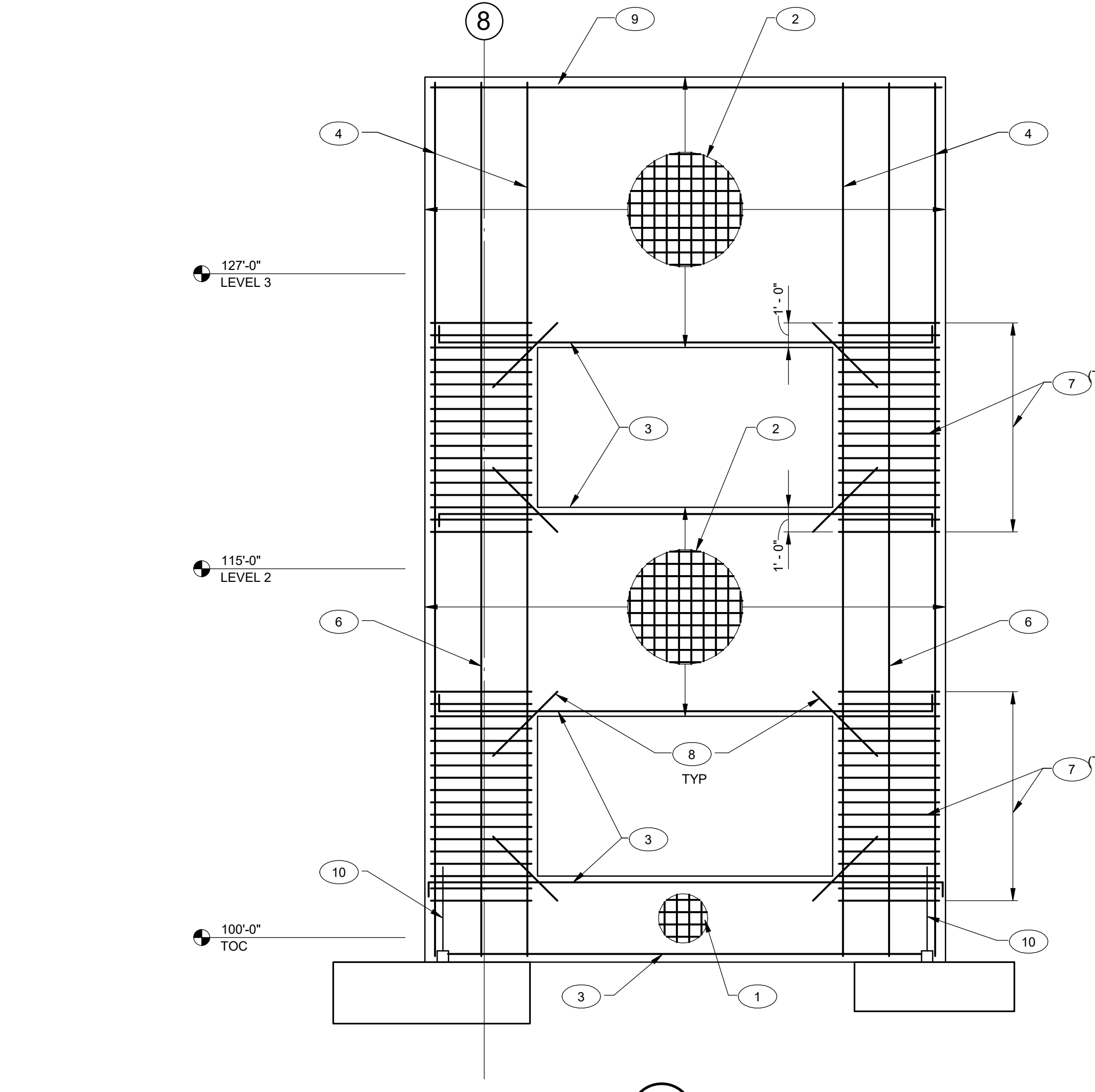
**ELEVATION 3** — 1/4" = 1'-0"  
PS-S-4.2



**ELEVATION 4** — 1/4" = 1'-0"  
PS-S-4.2



**ELEVATION 5** — 1/4" = 1'-0"  
PS-S-4.2



**ELEVATION 6** — 1/4" = 1'-0"  
PS-S-4.2

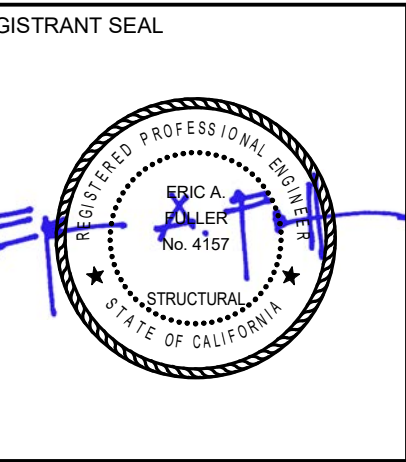
- WALL ELEVATION KEY NOTES:**
- 1 GRID A&D: #5 @ 8"CC VERT @ CL OF WALL & #5 @ 12"CC HORIZ @ CL OF WALL
  - 2 #5 @ 12"CC EW TYP @ CL OF WALL
  - 3 2-#5 HORIZ CONT W/ STD 90° HOOKS EACH END
  - 4 2-#5 JAMB BARS @ ENDS OF WALL (AND) ADJACENT TO OPENINGS
  - 5 2-#5 VERTS EF IN LIEU OF TYP VERTS. (AT 'SIM' CONDITION PROVIDE 4-#5 VERTS EF). 18"CC NET MAX
  - 6 3-#5 VERTS EF IN LIEU OF TYP VERTS. (AT 'SIM' CONDITION PROVIDE 5-#5 VERTS EF). 18"CC NET MAX
  - 7 #4 CLOSED HOOP TIES @ 6"CC PER
  - 8 #4 X 4'-0" LONG DIAGONALS EF, TYP @ OPENINGS
  - 9 2-#5 HORIZ CONT
  - 10 HOLD DOWN EMBED AND REIN PER WALL ELEVATION
  - 11 EXTEND #4 CLOSED HOOPS DOWN TO BOTTOM OF PANEL (AS SHOWN).
  - 12 (NOT USED)
  - 13 2-#5 VERTS W/ 90° HOOKS (TOP & BOTTOM)
  - 14 #5 @ 9"CC VERT @ CL OF WALL
  - 15 #5 VERTS, EF @ 12"CC IN LIEU OF TYP VERTS
  - 16 2-#5 CONT W/ STD 90° HOOKS (ONE) END
  - 17 #5 @ 9"CC VERT @ CL OF WALL & #5 @ 12"CC HORIZ @ CL OF WALL
  - 18 3-#5 VERTS EF, 18"CC NET MAX
  - 19 4-#5 HORIZ CONT W/ #4 TIES @ 6"CC PER
  - 20 5-#5 VERTS EF. (AT 'SIM' CONDITION PROVIDE 2-#5 VERTS EF). 18"CC NET MAX
  - 21 #3 CLOSED HOOP TIES & CROSSIES @ 2 3/8"CC PER

- TILT-UP CONCRETE PANELS**
- SEE ARCHITECTURAL DRAWINGS FOR ALL PANEL FINISHES, REVEALS, CHAMFERS, JOINT SEALANTS AND SURFACE TREATMENTS. REVEALS TO BE 1 3/4" DEEP MAXIMUM.
  - SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF ALL OPENINGS.
  - GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING OF TILT-UP CONCRETE WALL PANELS UNTIL ALL DIAPHRAGMS (ROOFS & FLOORS) ARE PERMANENTLY CONNECTED.
  - CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO SHOW PANEL SIZE, OPENINGS AND REVEALS. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUACY OF PANEL FOR LIFTING STRESSES. ADDITIONAL REINFORCING OR STRONG BACKS SHALL BE DESIGNED AND PROVIDED BY CONTRACTOR.

- ALL PANEL ELEVATIONS ARE VIEWED FROM THE INSIDE OF THE BUILDING TYPICAL UNO.
- STRUCTURAL CONCRETE FOR ALL TILT-UP PANELS SHALL TEST 5000 PSI MINIMUM AT 28 DAYS.
- PANELS SHALL BE 2" THICK TOTAL WITH A MINIMUM 7 1/2" NET STRUCTURAL THICKNESS.
- 1 INDICATES PANEL IDENTIFICATION MARK. SEE PLAN AND OVERALL ELEVATION.
- SEE C FOR SLAB CONDITION AT OPENINGS.



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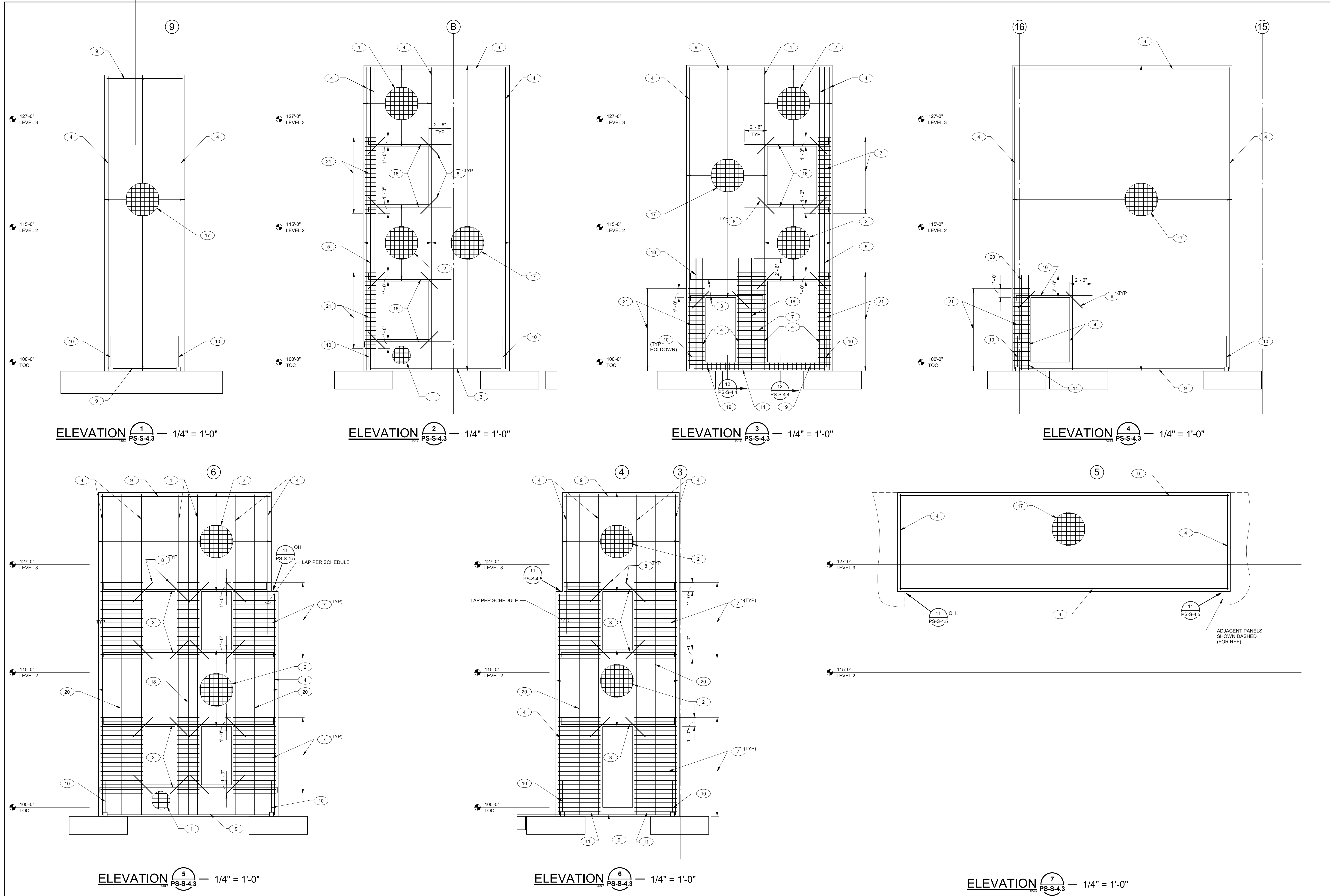


NO.	REVISION	DATE

PROJECT NO.: 2017.033  
DATE: 04-16-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY: \_\_\_\_\_

SHEET TITLE:  
PANEL ELEVATIONS

SHEET NUMBER:  
**PS-S-4.3**



**WALL ELEVATION KEY NOTES:**

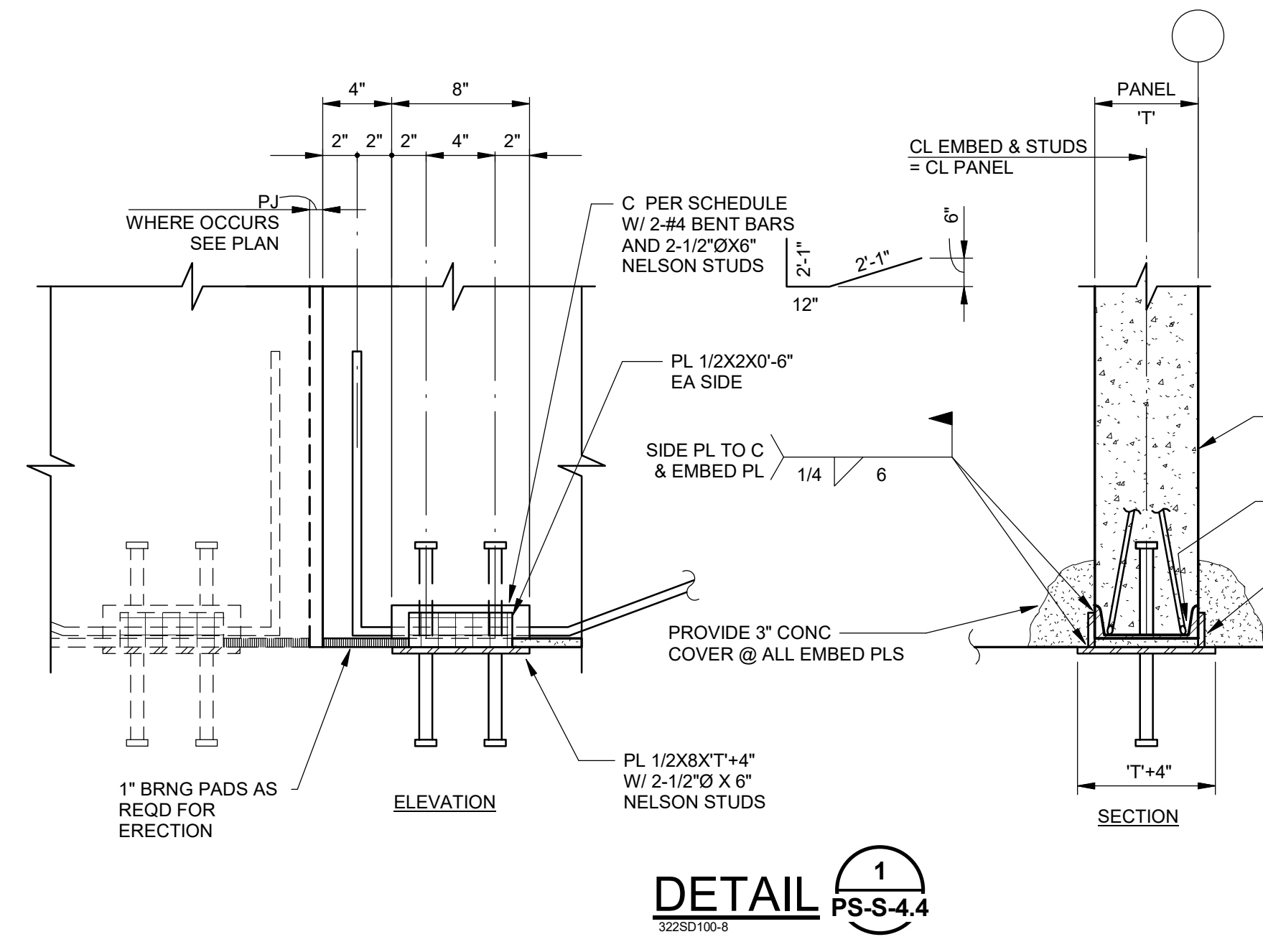
- |  |   |  |   |
|--|---|--|---|
| 1 GRID A&D: #5 @ 8"CC VERT @ CL OF WALL & #5 @ 12"CC HORIZ @ CL OF WALL<br>GRID 1&16: #5 @ 8"CC VERT @ CL OF WALL & #6 @ 8"CC HORIZ @ CL OF WALL | 6 3-#5 VERTS EF IN LIEU OF TYP VERTS. (AT 'SIM' CONDITION PROVIDE 5-#5 VERTS EF). 18"CC NET MAX | 12 (NOT USED)  | 18 3-#5 VERTS EF. 18"CC NET MAX   |
| 2 #5 @ 12"CC EW TYP @ CL OF WALL   | 7 #4 CLOSED HOOP TIES @ 8"CC PER PS-S-4.4   | 13 2-#5 VERTS W/ 90° HOOKS (TOP & BOTTOM)                      | 19 4-#5 HORIZ CONT W/ #4 TIES @ 8"CC PER PS-S-4.4                           |
| 3 2-#5 HORIZ CONT W/ STD 90° HOOKS EACH END  | 8 #4 X 4'-0" LONG DIAGONALS EF, TYP @ OPENINGS  | 14 #5 @ 9"CC VERT @ CL OF WALL                                 | 20 5-#5 VERTS EF. (AT 'SIM' CONDITION PROVIDE 2-#5 VERTS EF). 18"CC NET MAX |
| 4 2-#5 JAMB BARS @ ENDS OF WALL (AND) ADJACENT TO OPENINGS   | 9 2-#5 HORIZ CONT   | 15 #5 VERTS EF @ 12"CC IN LIEU OF TYP VERTS                    | 21 #3 CLOSED HOOP TIES & CROSSTIES @ 2.38"CC PER PS-S-4.4                   |
| 5 2-#5 VERTS EF IN LIEU OF TYP VERTS. (AT 'SIM' CONDITION PROVIDE 4-#5 VERTS EF). 18"CC NET MAX  | 10 HOLDOWN EMBED AND REINF PER WALL ELEVATION   | 16 2-#5 CONT W/ STD 90° HOOKS (ONE) END                        |   |
|  | 11 EXTEND #4 CLOSED HOOPS DOWN TO BOTTOM OF PANEL (AS SHOWN)                                    | 17 #5 @ 9"CC VERT @ CL OF WALL & #5 @ 12"CC HORIZ @ CL OF WALL |   |

**TILT-UP CONCRETE PANELS**

- SEE ARCHITECTURAL DRAWINGS FOR ALL PANEL FINISHES, REVEALS, CHAMFERS, JOINT SEALANTS AND SURFACE TREATMENTS. REVEALS TO BE 1.34" DEEP MAXIMUM.
- SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF ALL OPENINGS.
- GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SHORING AND BRACING OF TILT-UP CONCRETE WALL PANELS UNTIL ALL DIAPHRAGMS (ROOFS & FLOORS) ARE PERMANENTLY CONNECTED.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO SHOW PANEL SIZE, OPENINGS AND REVEALS. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUACY OF PANEL FOR LIFTING STRESSES. ADDITIONAL REINFORCING OR STRONG BACKS SHALL BE DESIGNED AND PROVIDED BY CONTRACTOR.
- ALL PANEL ELEVATIONS ARE VIEWED FROM THE INSIDE OF THE BUILDING TYPICAL, UNO.
- STRUCTURAL CONCRETE FOR ALL TILT-UP PANELS SHALL TEST 5000 PSI MINIMUM AT 28 DAYS.
- PANELS SHALL BE 2" THICK TOTAL WITH A MINIMUM 7.14" NET STRUCTURAL THICKNESS.
- 1 INDICATES PANEL IDENTIFICATION MARK. SEE PLAN AND OVERALL ELEVATION.
- SEE C FOR SLAB CONDITION AT OPENINGS.

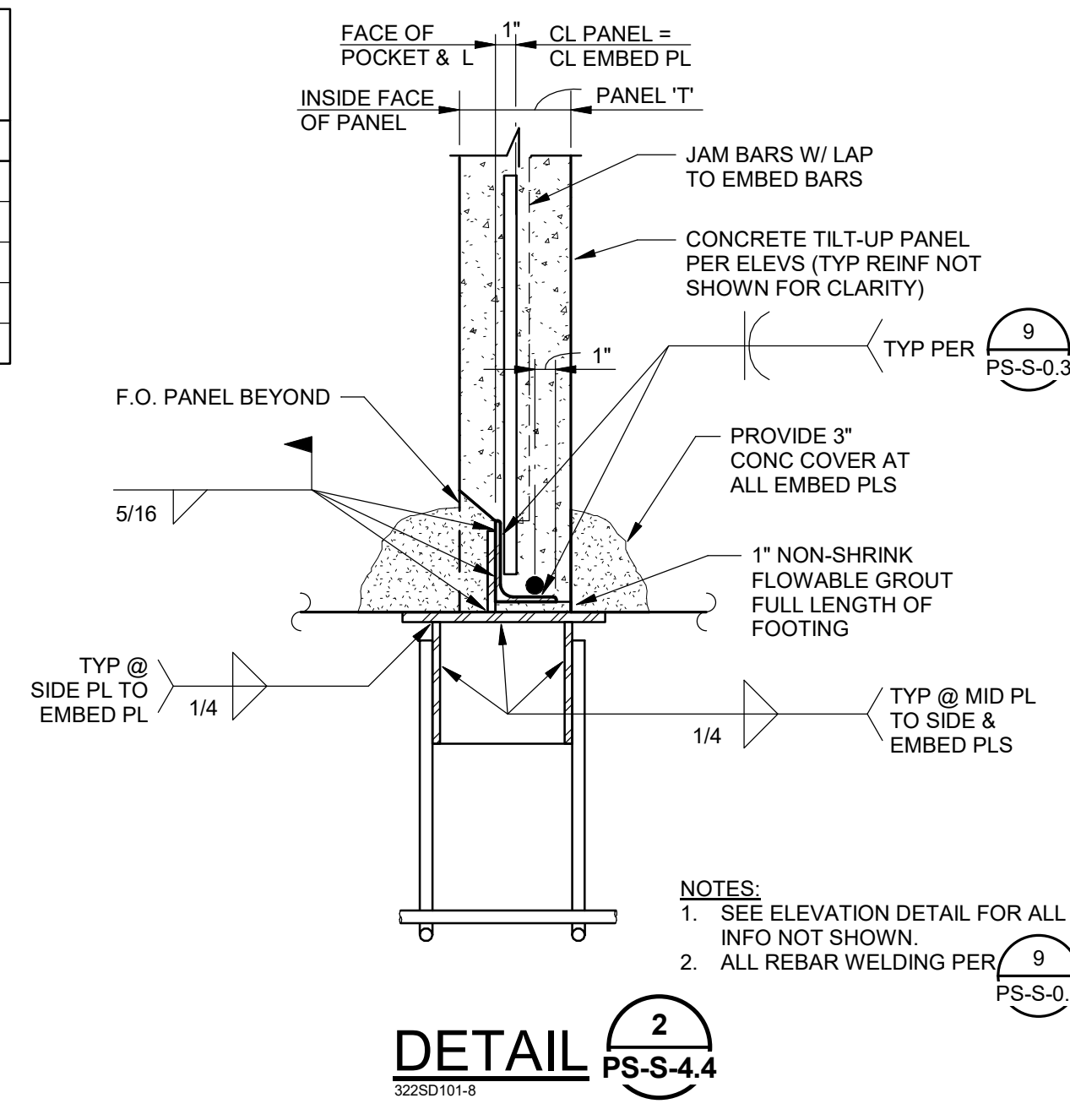


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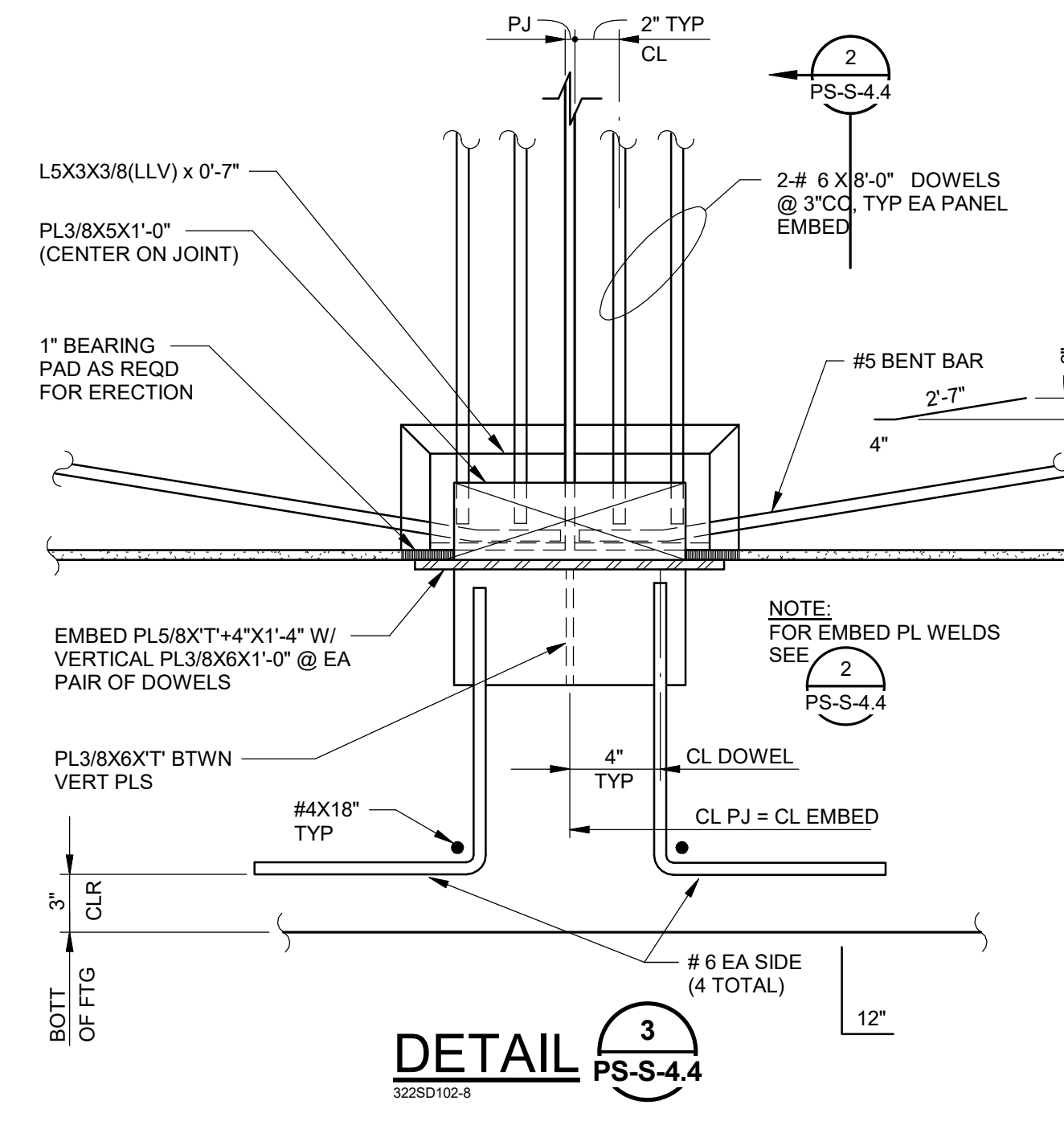


PANEL T'	CHANNEL EMBED
5' ≤ T < 6'	C 5x6.7
6' ≤ T < 8'	C 6x8.2
8' ≤ T < 10'	C 8x11.5
10' ≤ T < 12'	C 10x15.3
T ≥ 12'	C 12x20.7

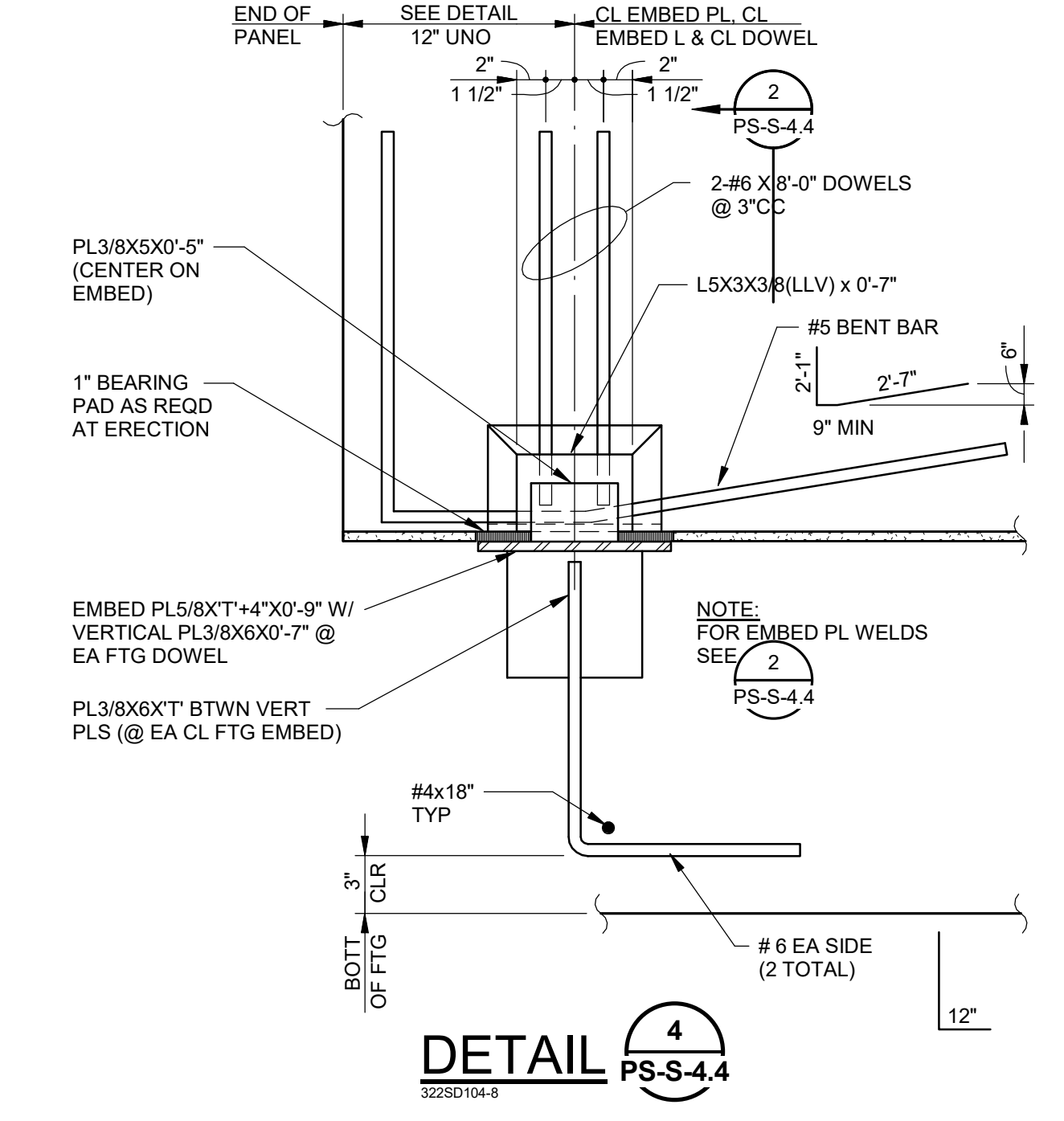
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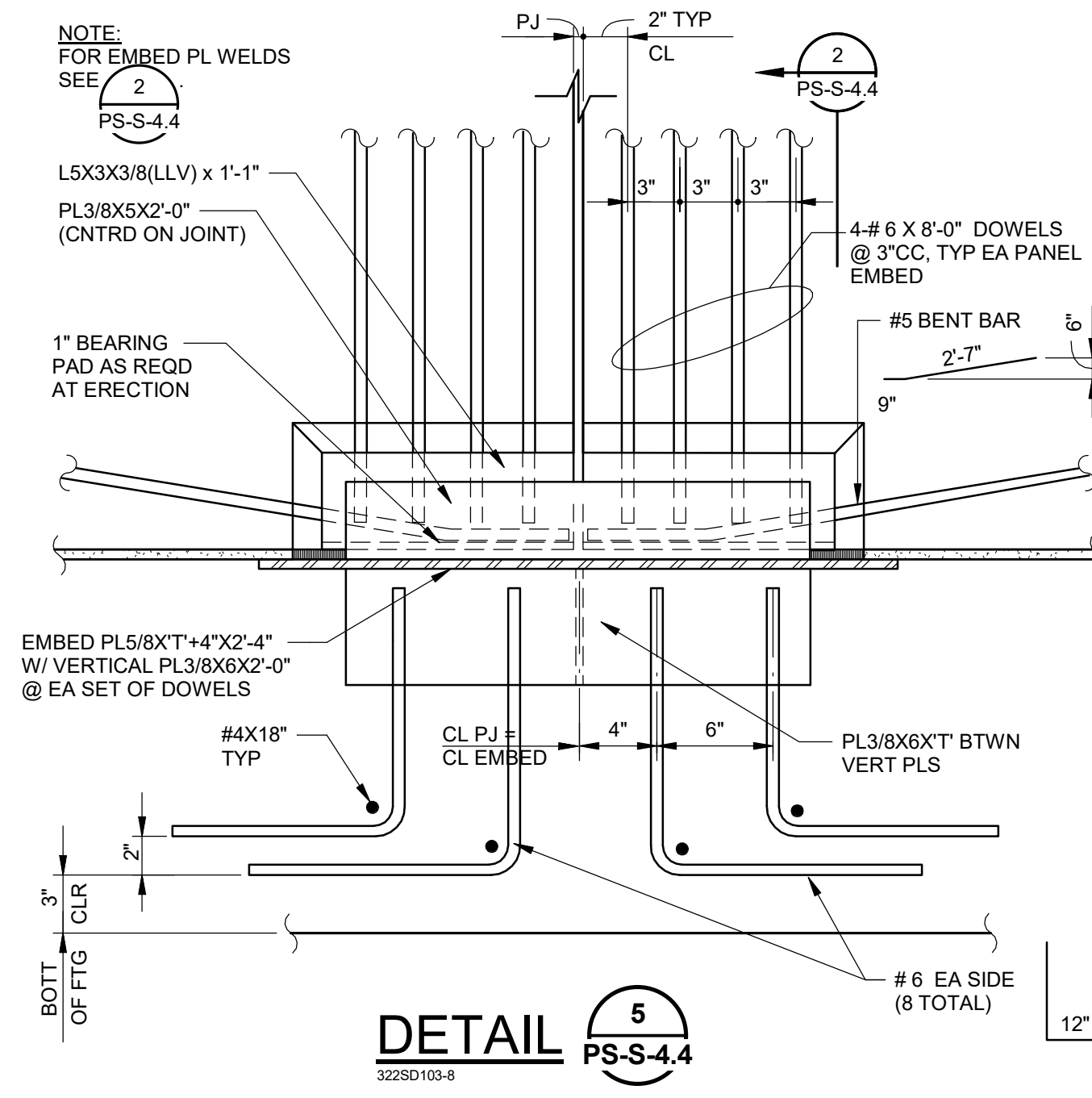
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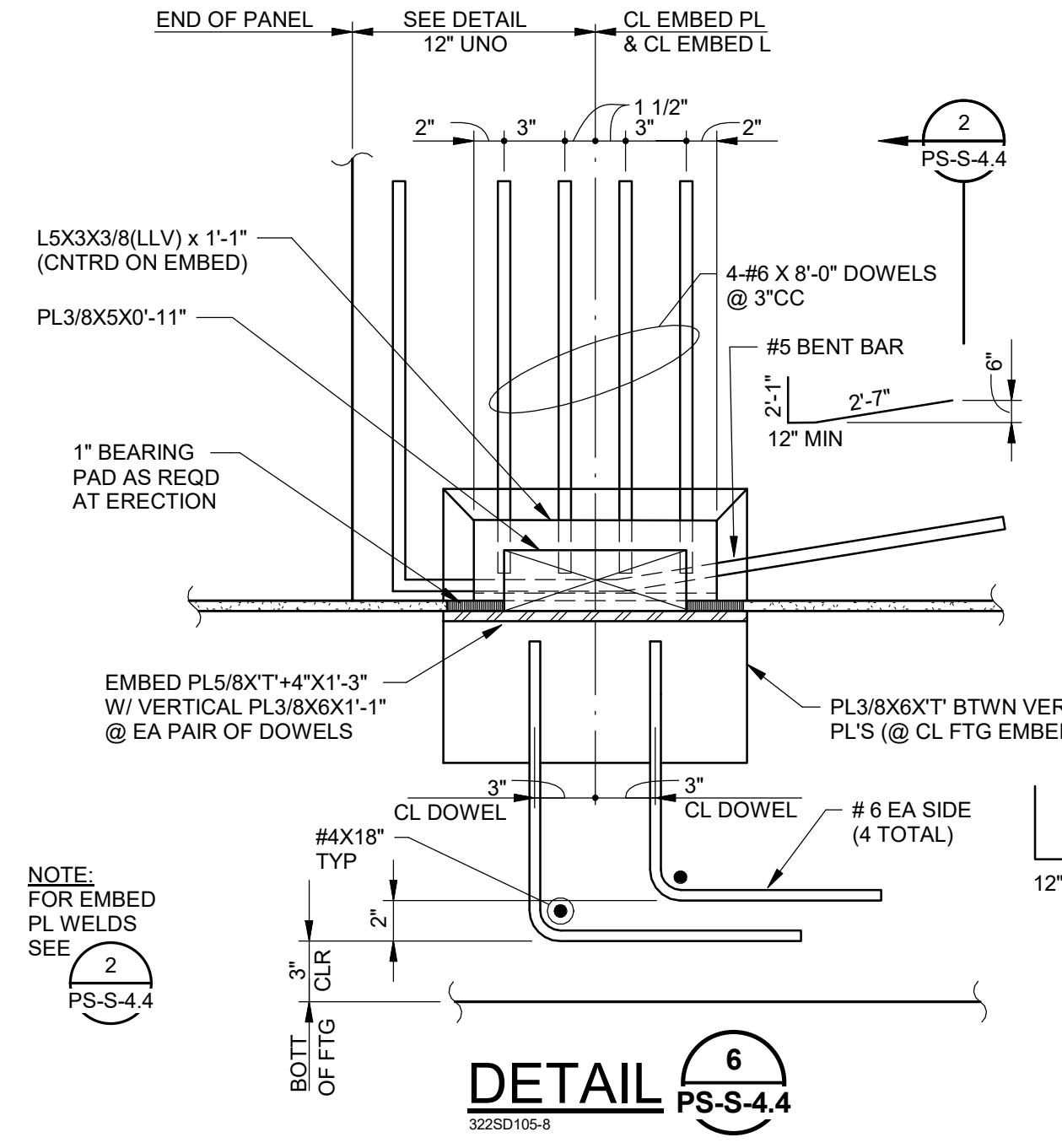
DETAIL 3 PS-S-4.4



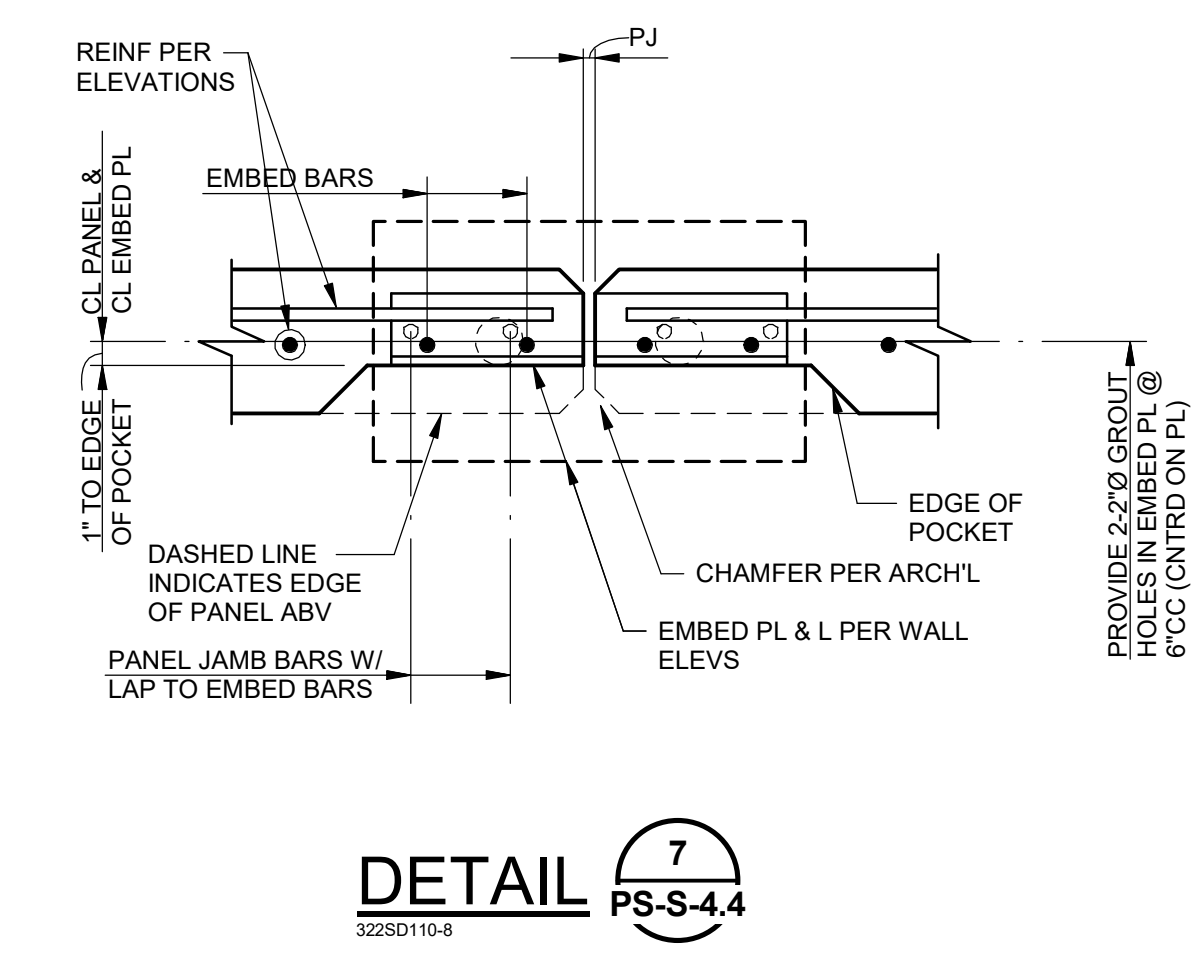
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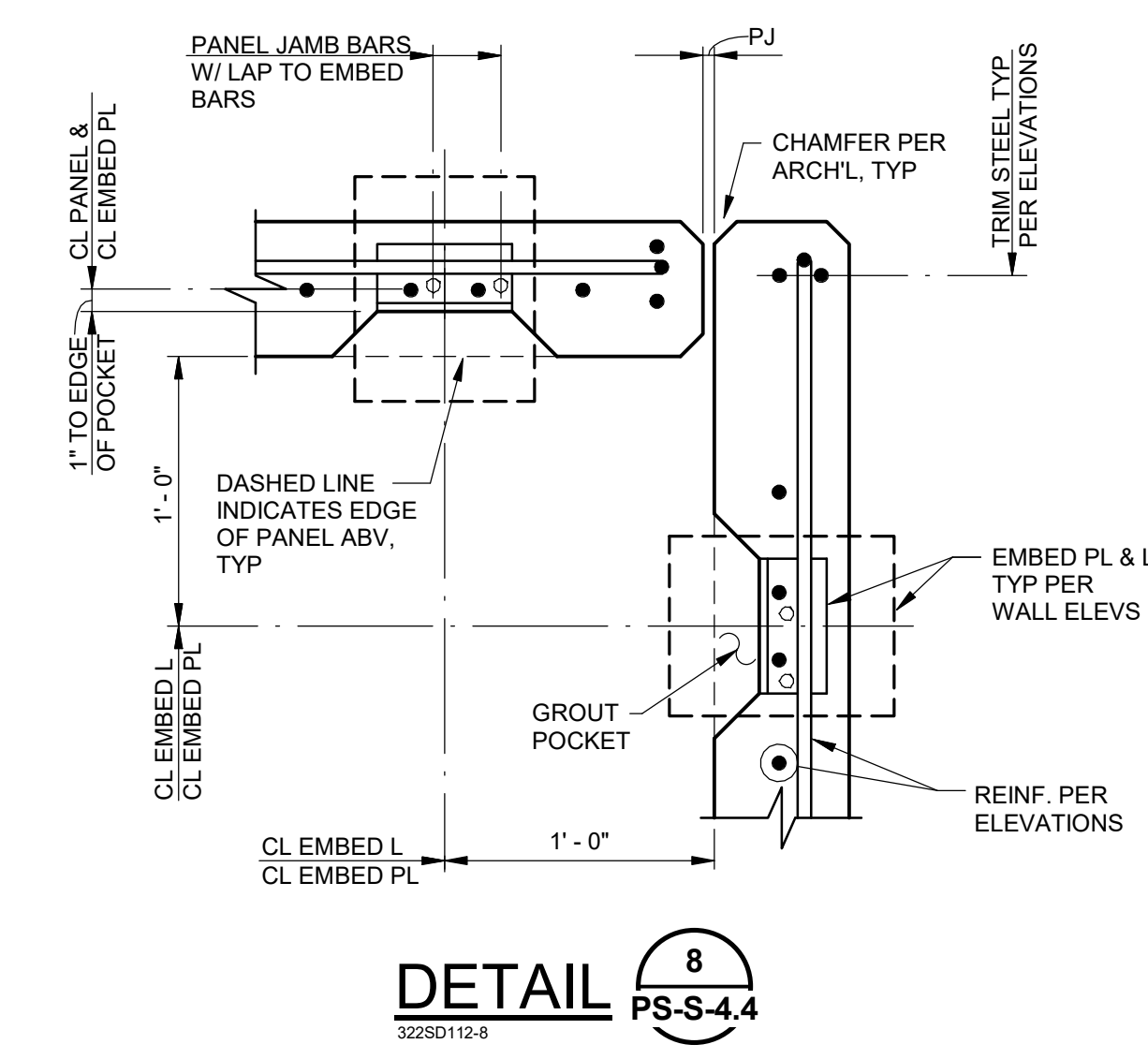
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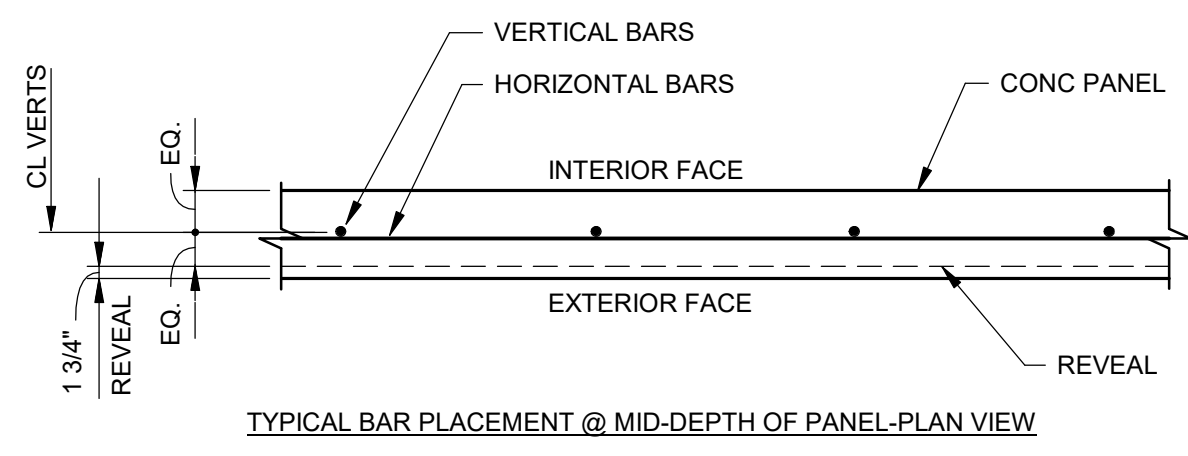
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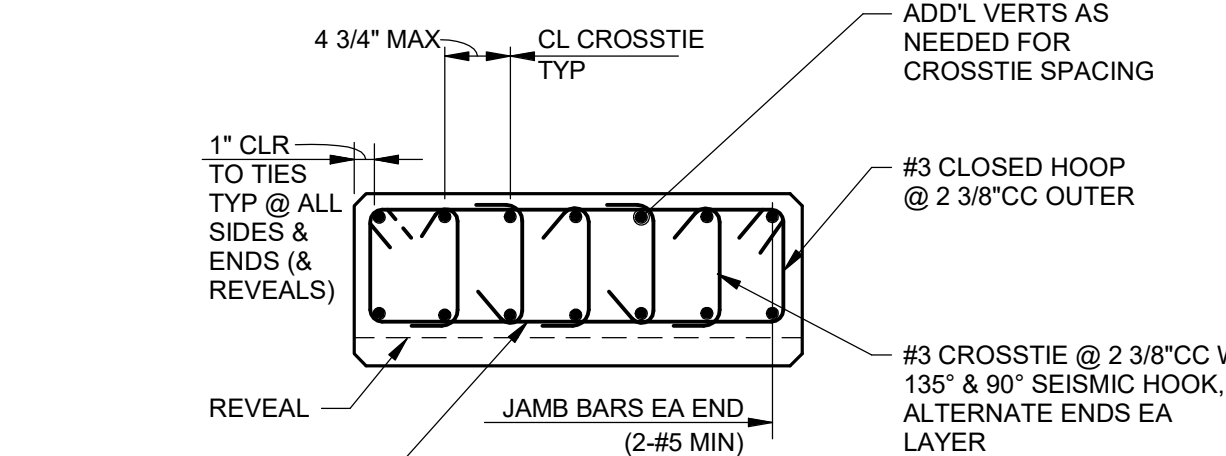
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DETAIL 8 PS-S-4.4

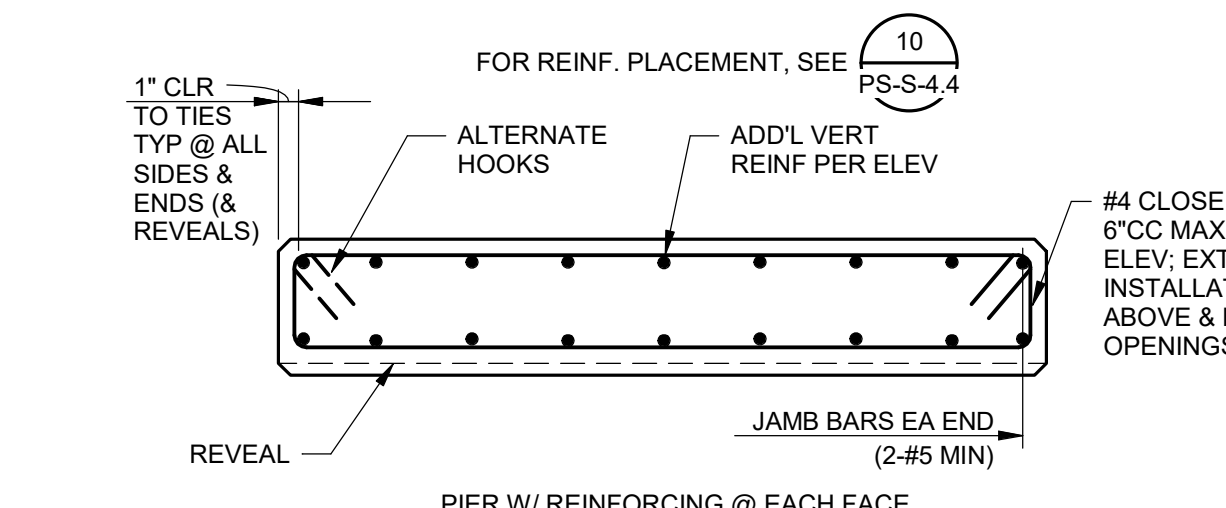


DETAIL 9 PS-S-4.4

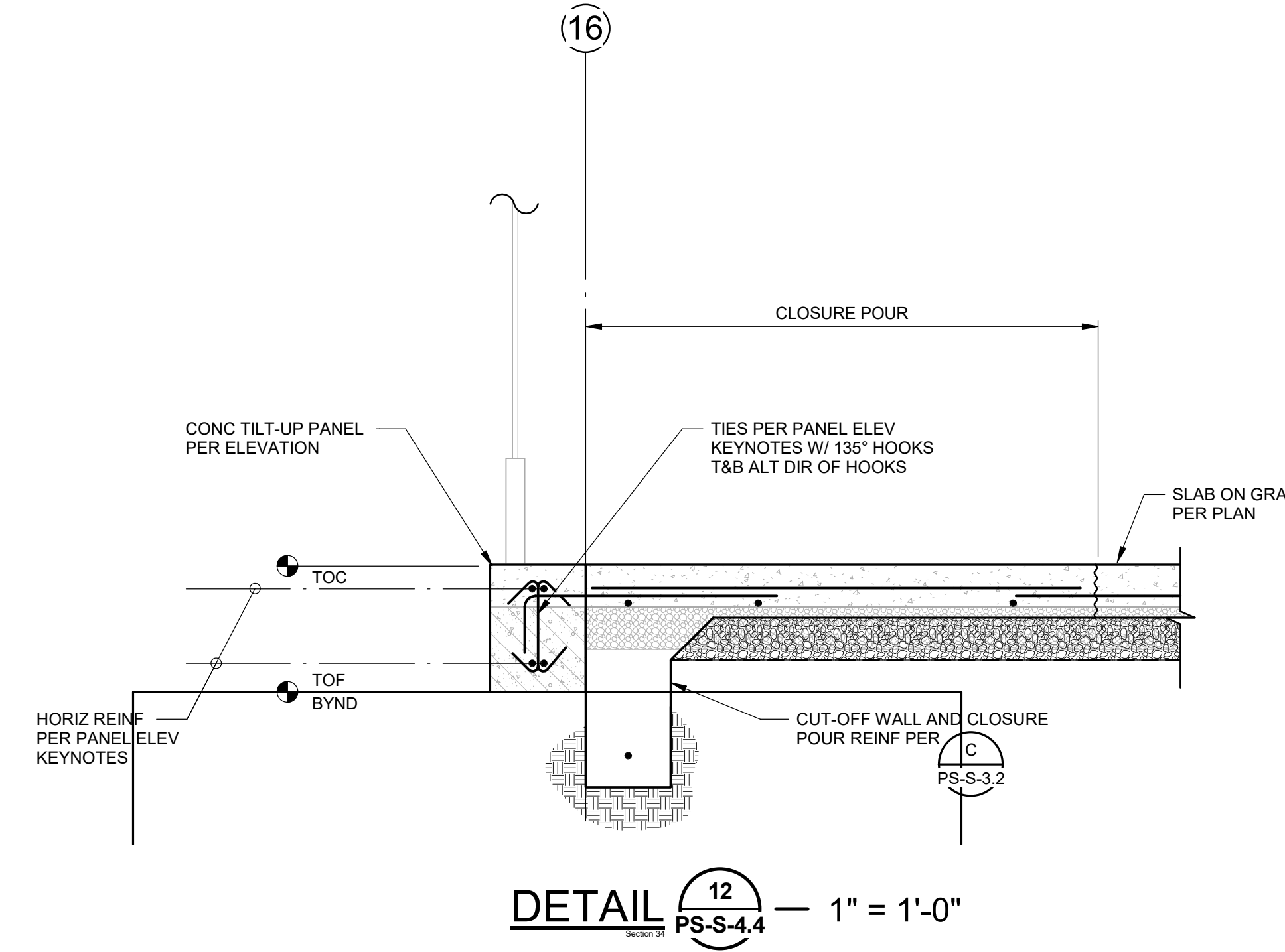


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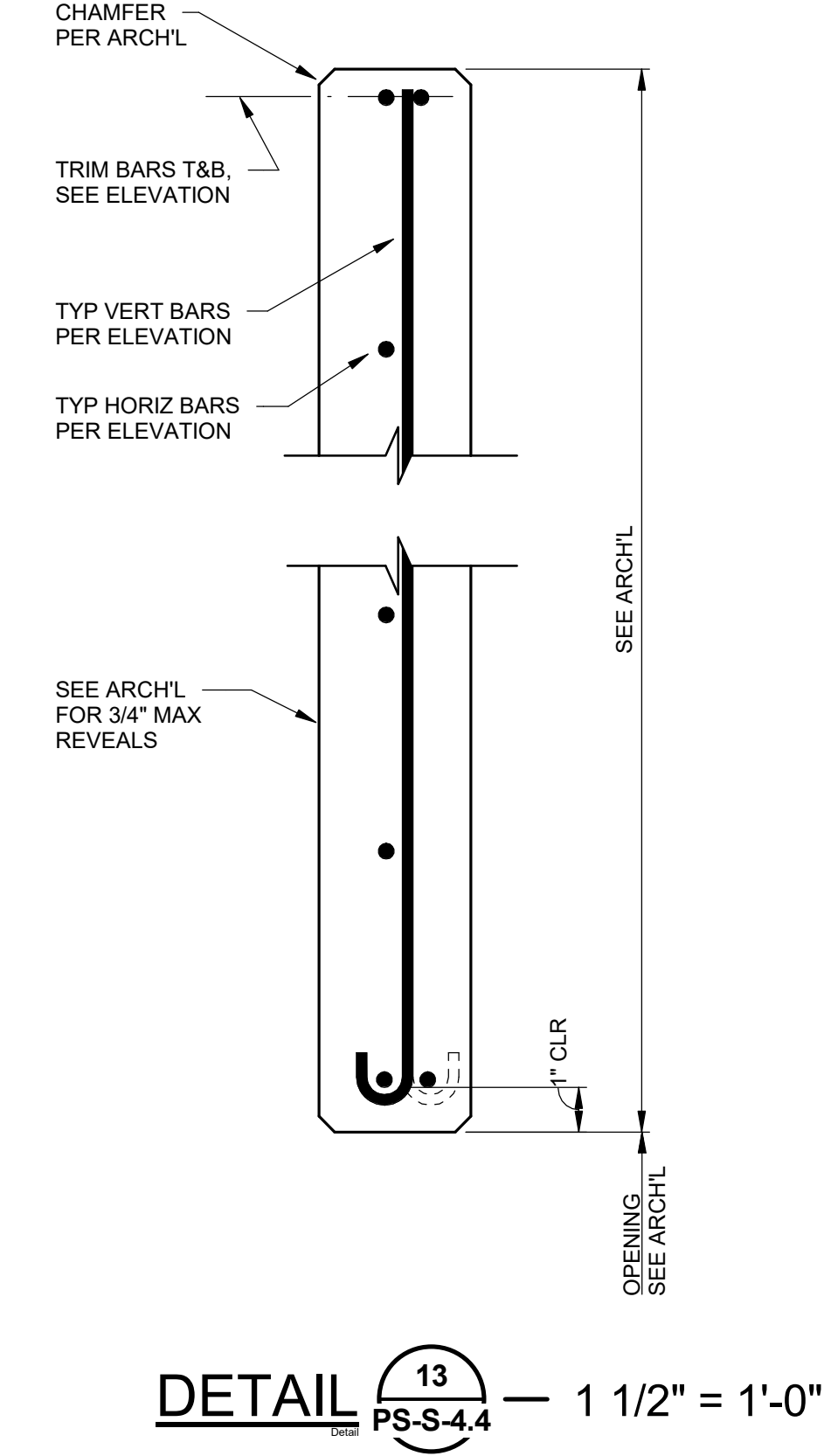
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DETAIL 11 PS-S-4.4



DETAIL 12 PS-S-4.4

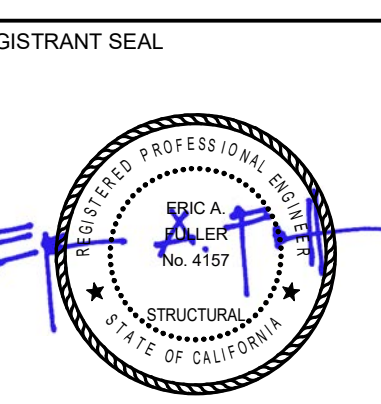


DETAIL 13 PS-S-4.4



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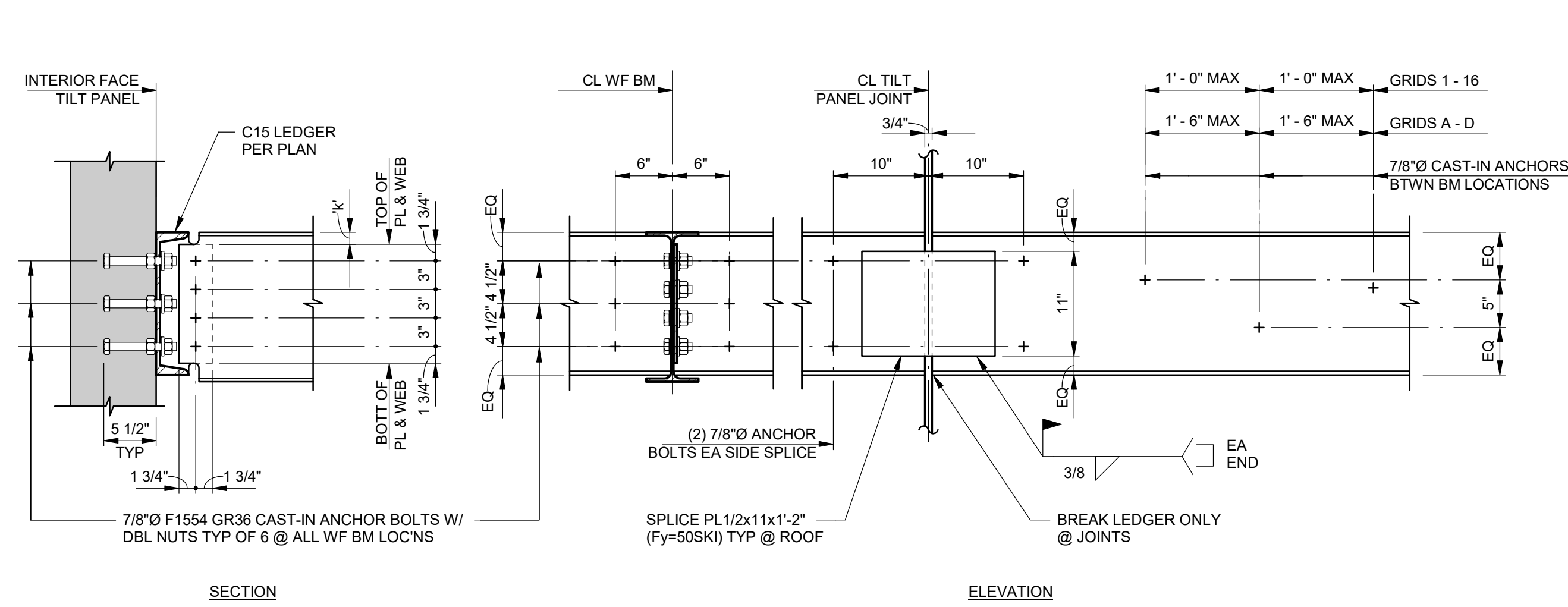


NO.	REVISION	DATE

PROJECT NO.: 2017-033  
DATE: 04-16-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY:  
SHEET TITLE:  
PANEL DETAILS

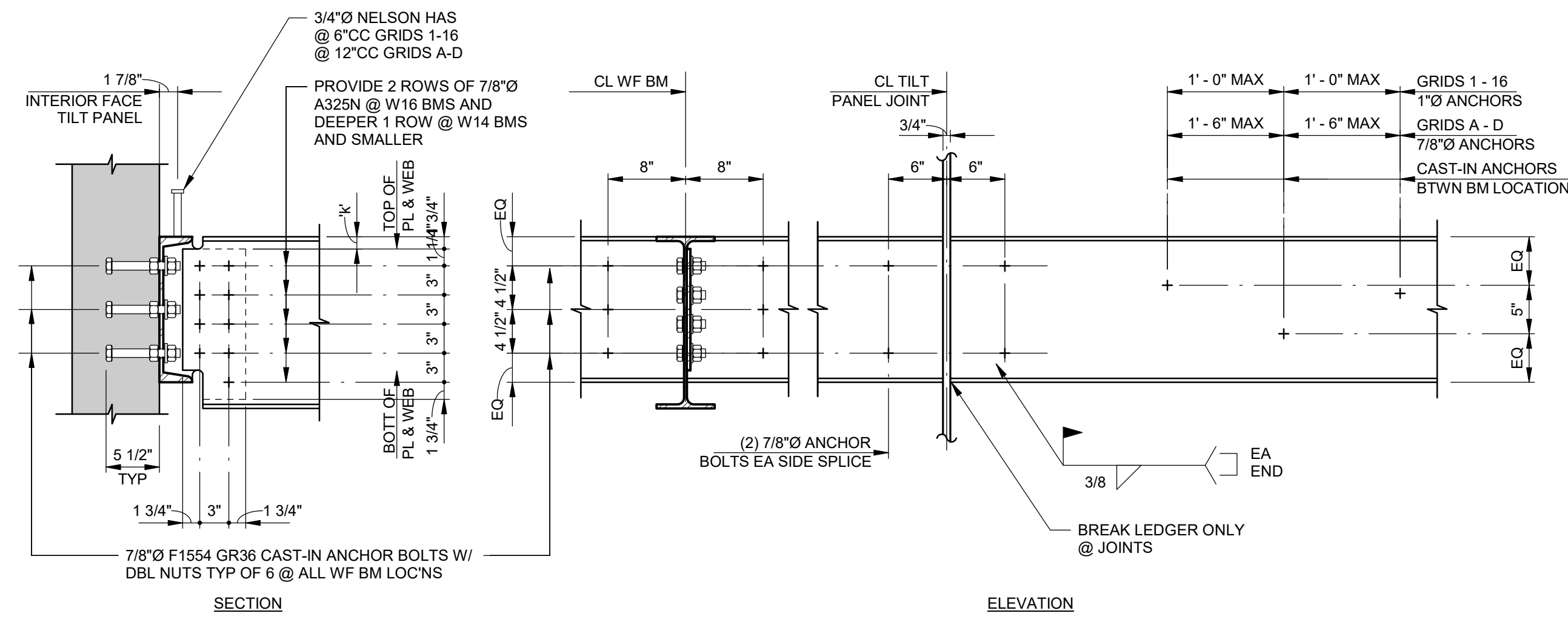


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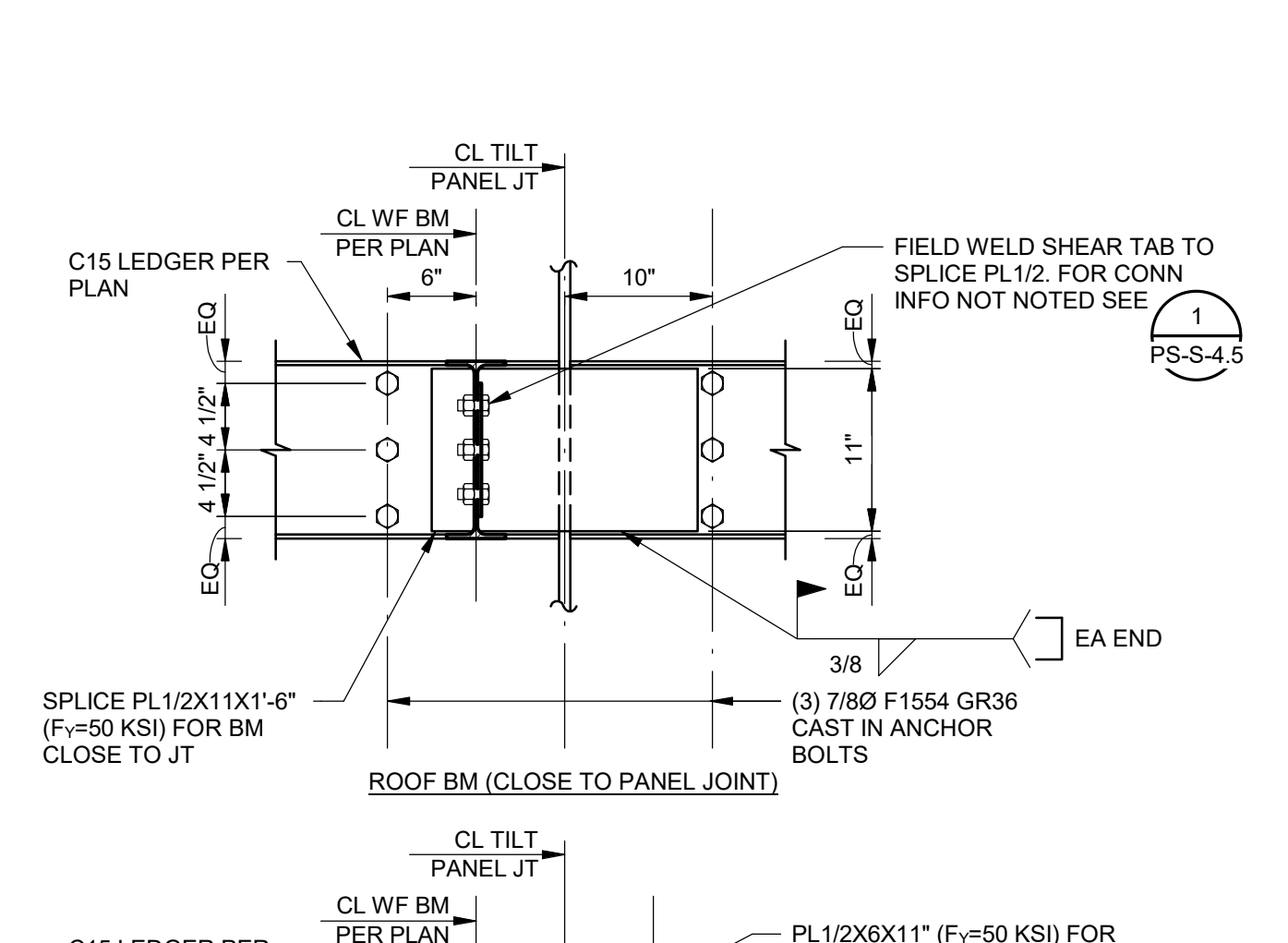
- NOTES:  
 1. LEDGERS SHALL BE CONTINUOUS BETWEEN PANEL JOINTS.  
 2. USE LEDGERS AS TEMPLATES TO SET ANCHOR BOLTS IN TILT PANELS.  
 3. FOR CONNECTION INFORMATION NOT NOTED, SEE (A) PS-S-9.1

LEDGER @ ROOF  $\frac{1}{PS-S-4.5}$  - 1" = 1'-0"



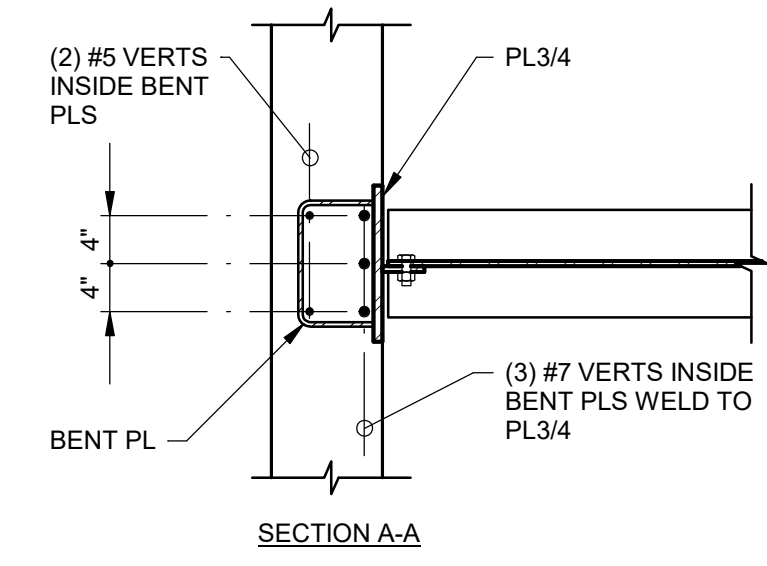
- NOTES:  
 1. LEDGERS SHALL BE CONTINUOUS BETWEEN PANEL JOINTS.  
 2. SPLICE PLS NOT REQUIRED @ FLOOR CONDITION.  
 3. USE LEDGERS AS TEMPLATES TO SET ANCHOR BOLTS IN TILT PANELS.  
 4. FOR CONNECTION INFORMATION NOT NOTED, SEE (A) PS-S-9.1

LEDGER @ FLOOR  $\frac{2}{PS-S-4.5}$  - 1" = 1'-0"

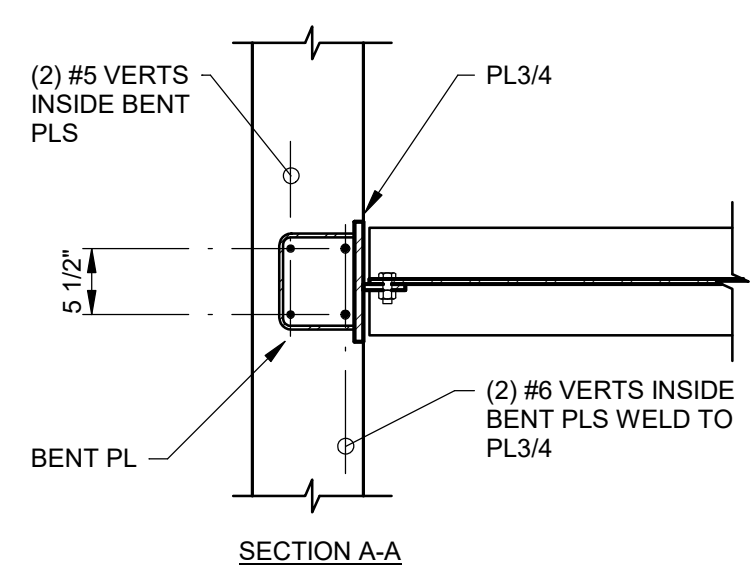


- NOTES:  
 1. FIELD WELD SHEAR TAB TO SPLICE PL 1/2 FOR CONN INFO NOT NOTED SEE (A) PS-S-4.5

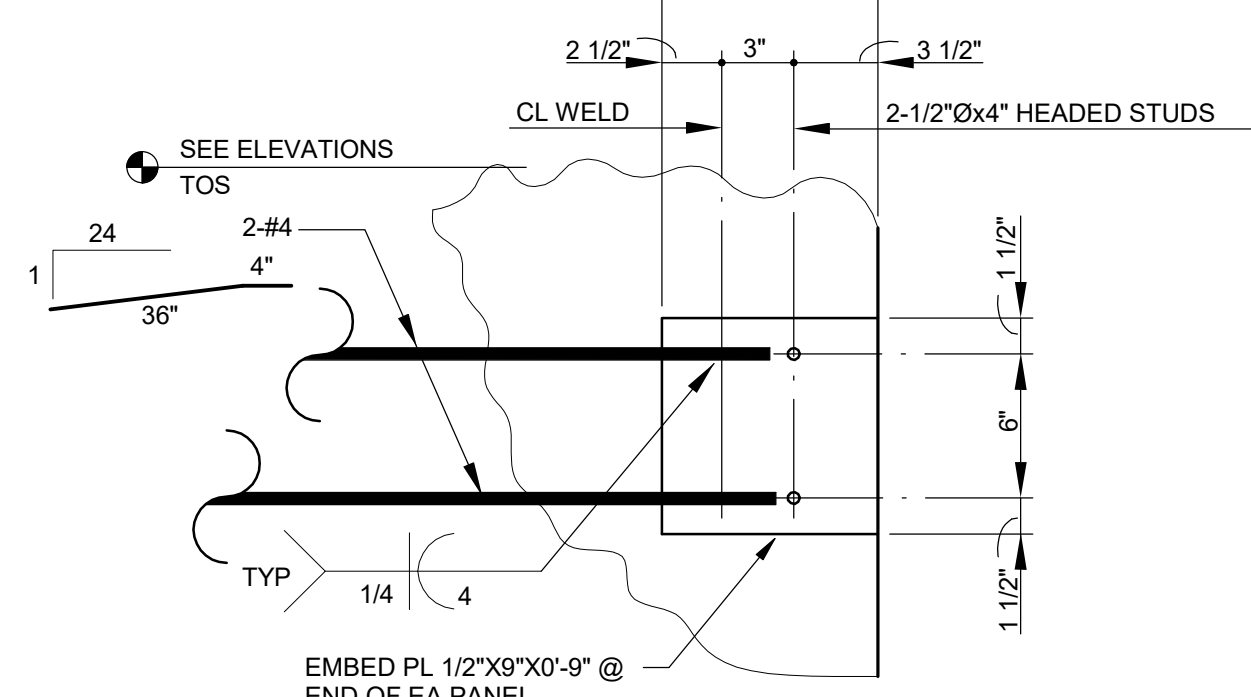
DETAIL  $\frac{3}{PS-S-4.5}$  - 1" = 1'-0"



SECTION A-A

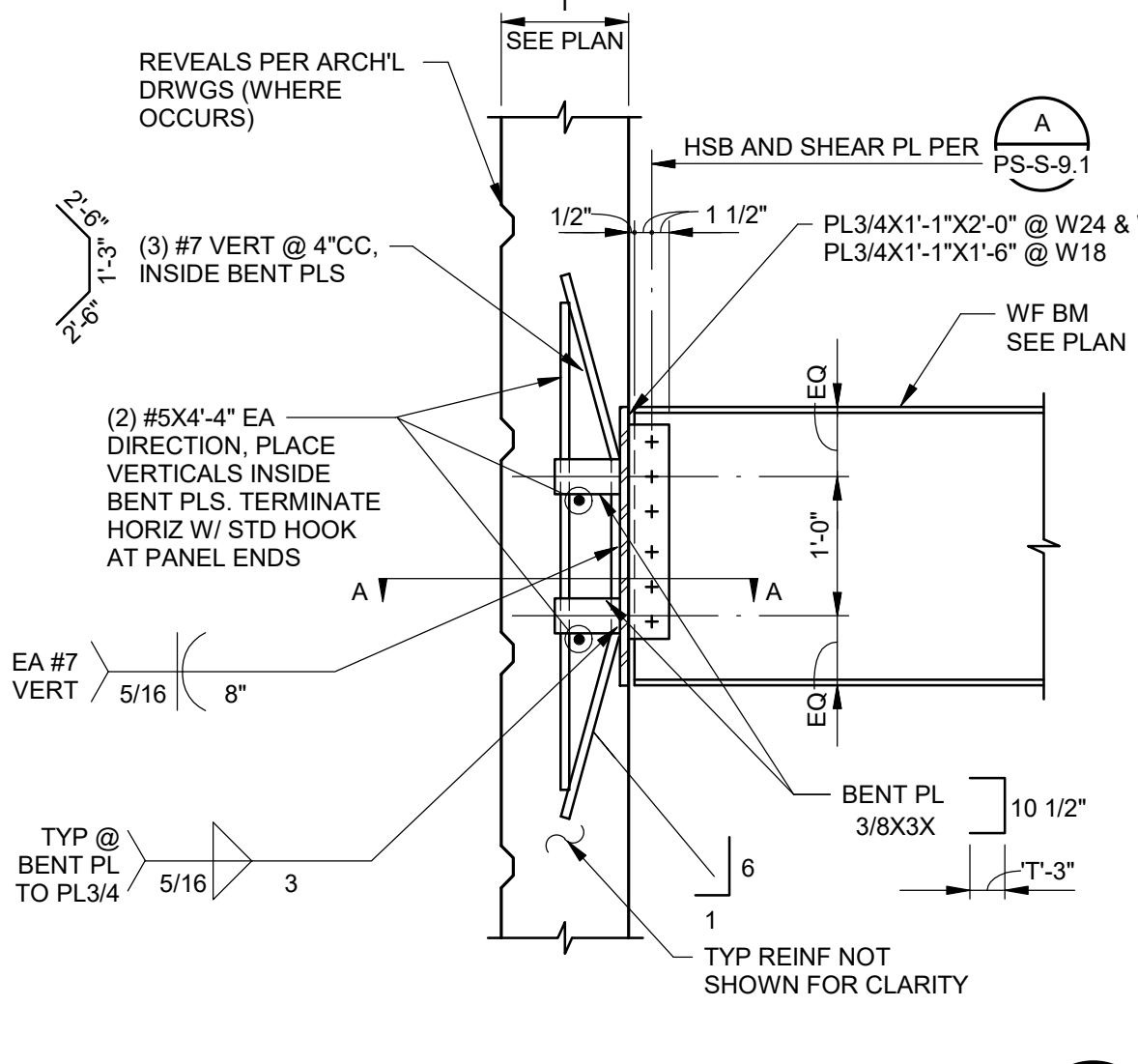


SECTION A-A

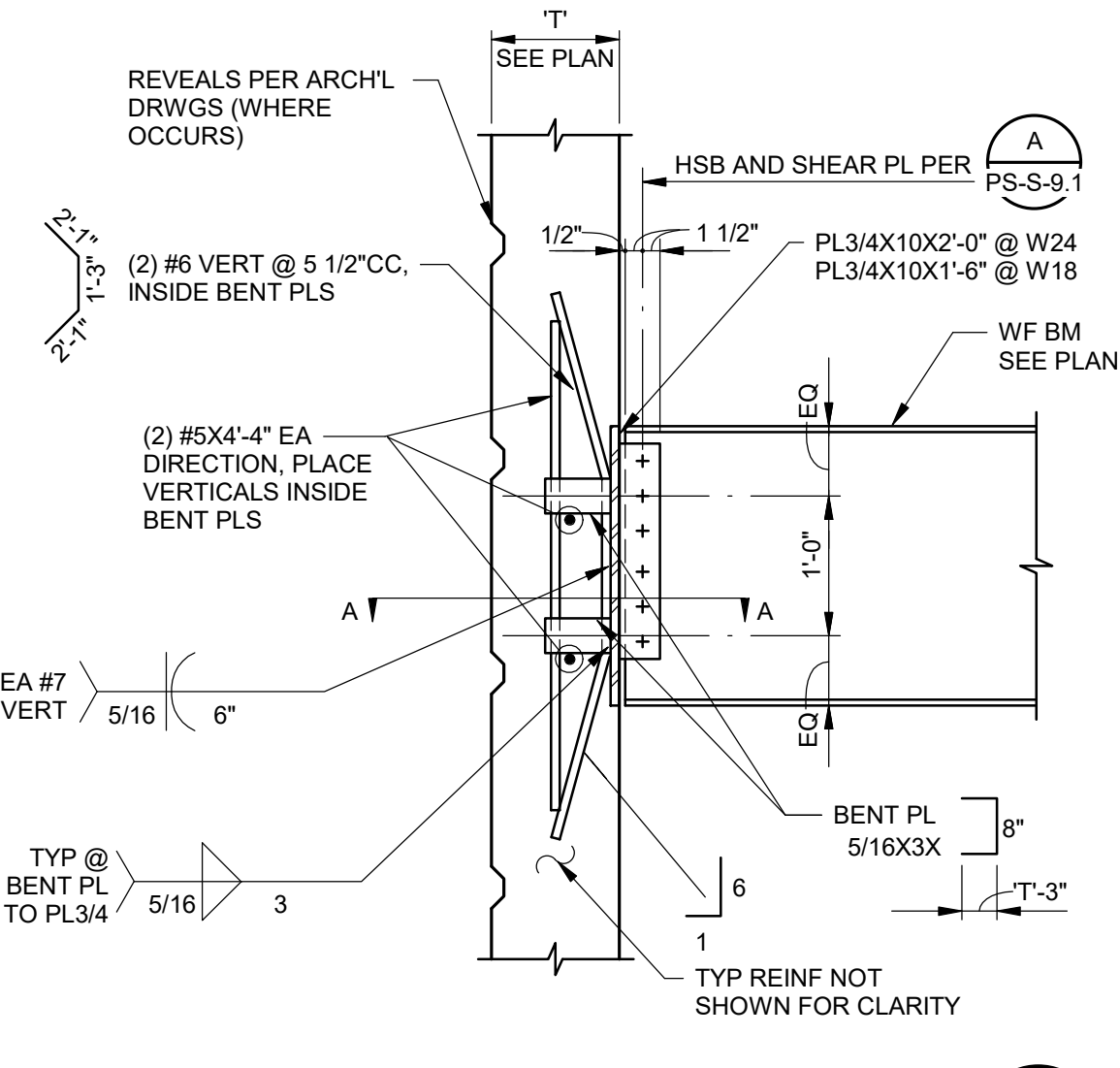


DETAIL

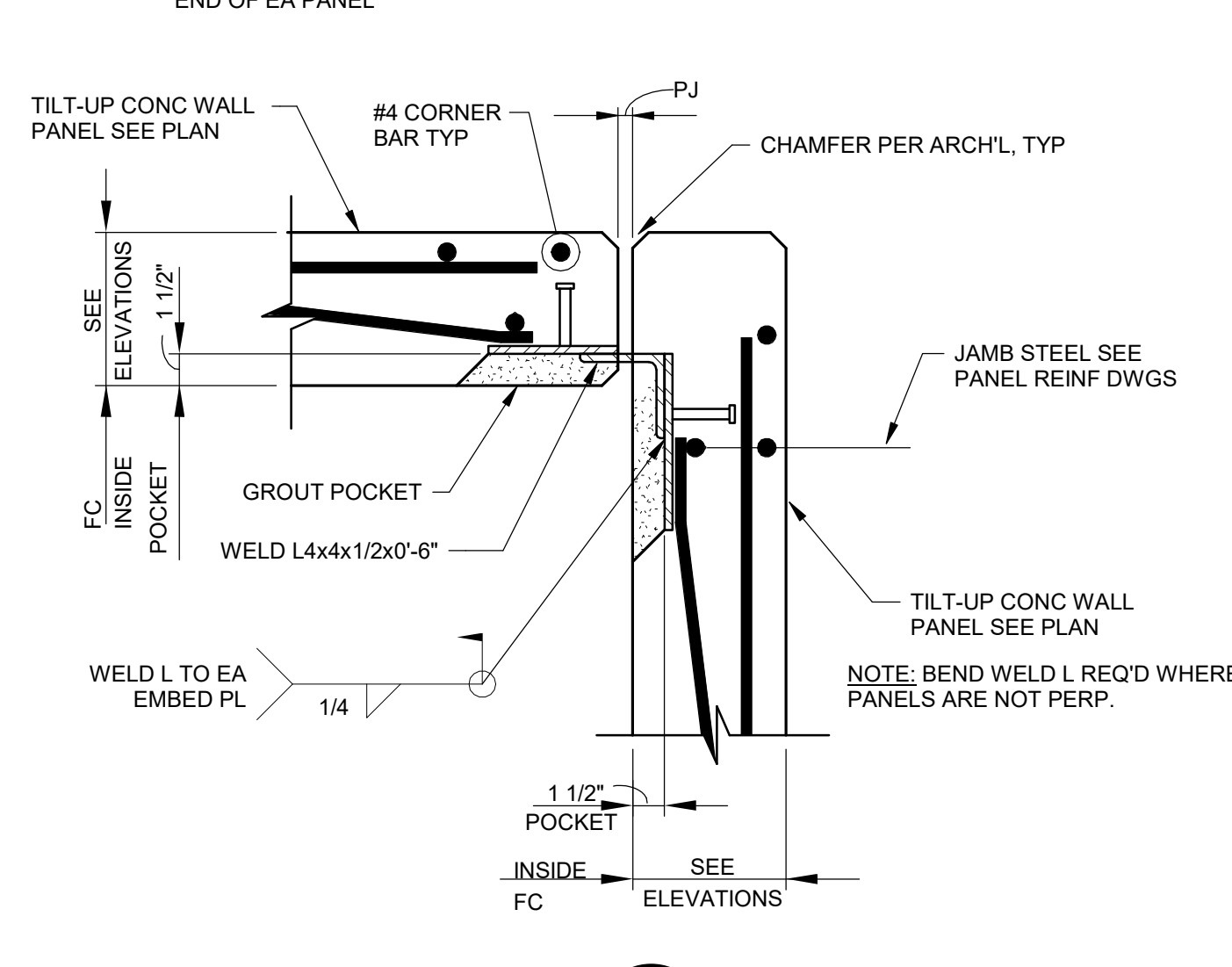
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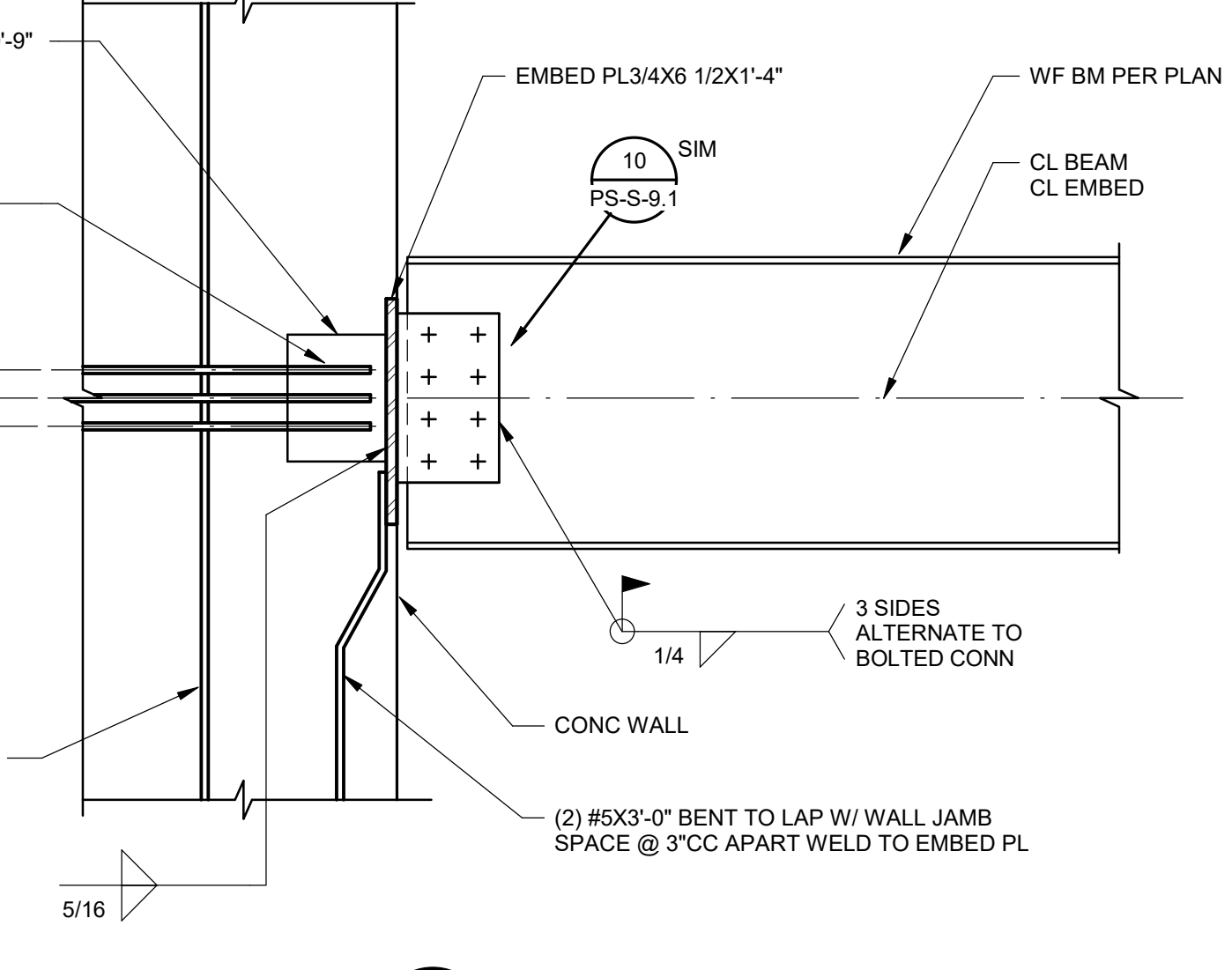
DETAIL @ FLOOR GIRDERS  $\frac{4}{PS-S-4.5}$



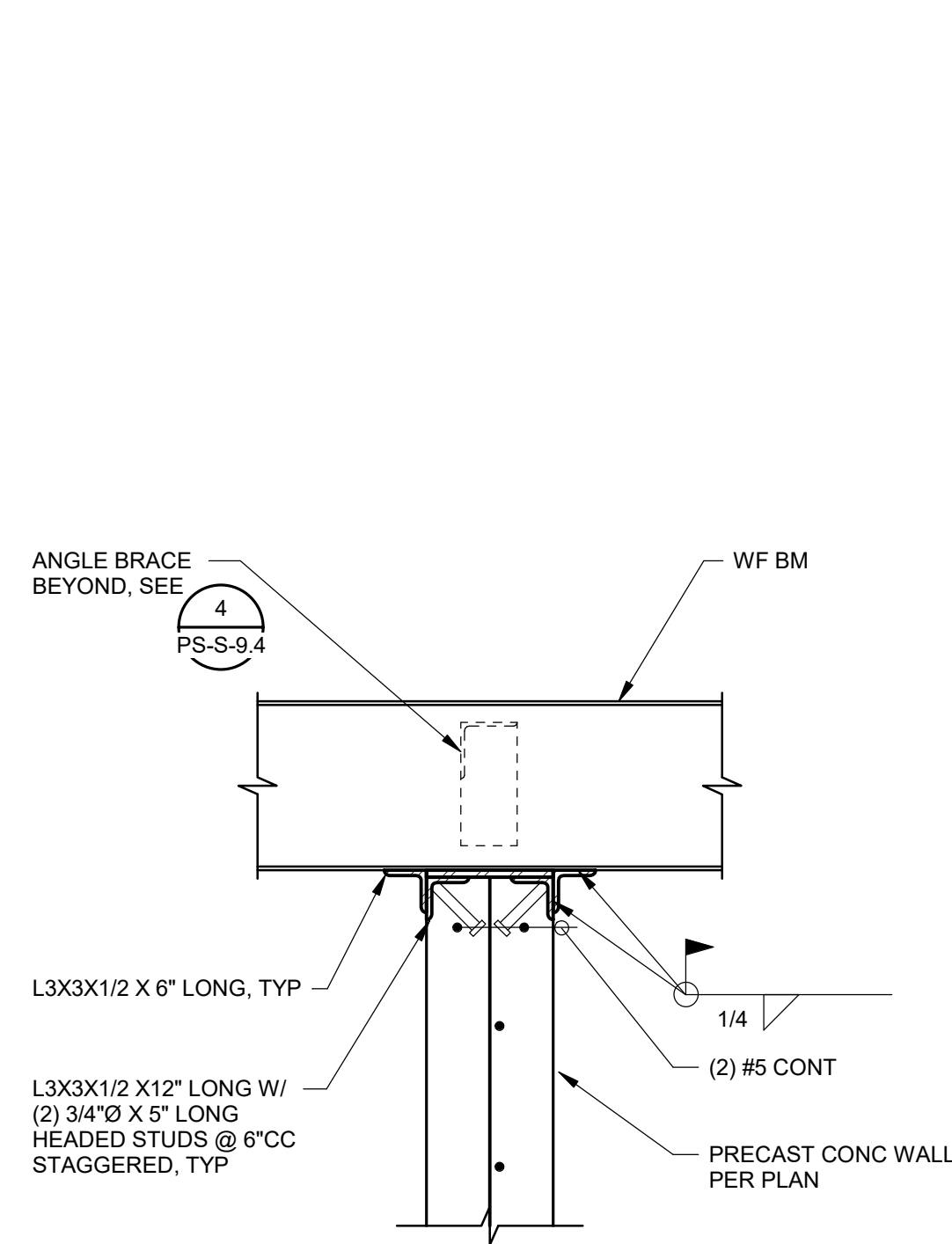
DETAIL @ ROOF GIRDERS  $\frac{5}{PS-S-4.5}$



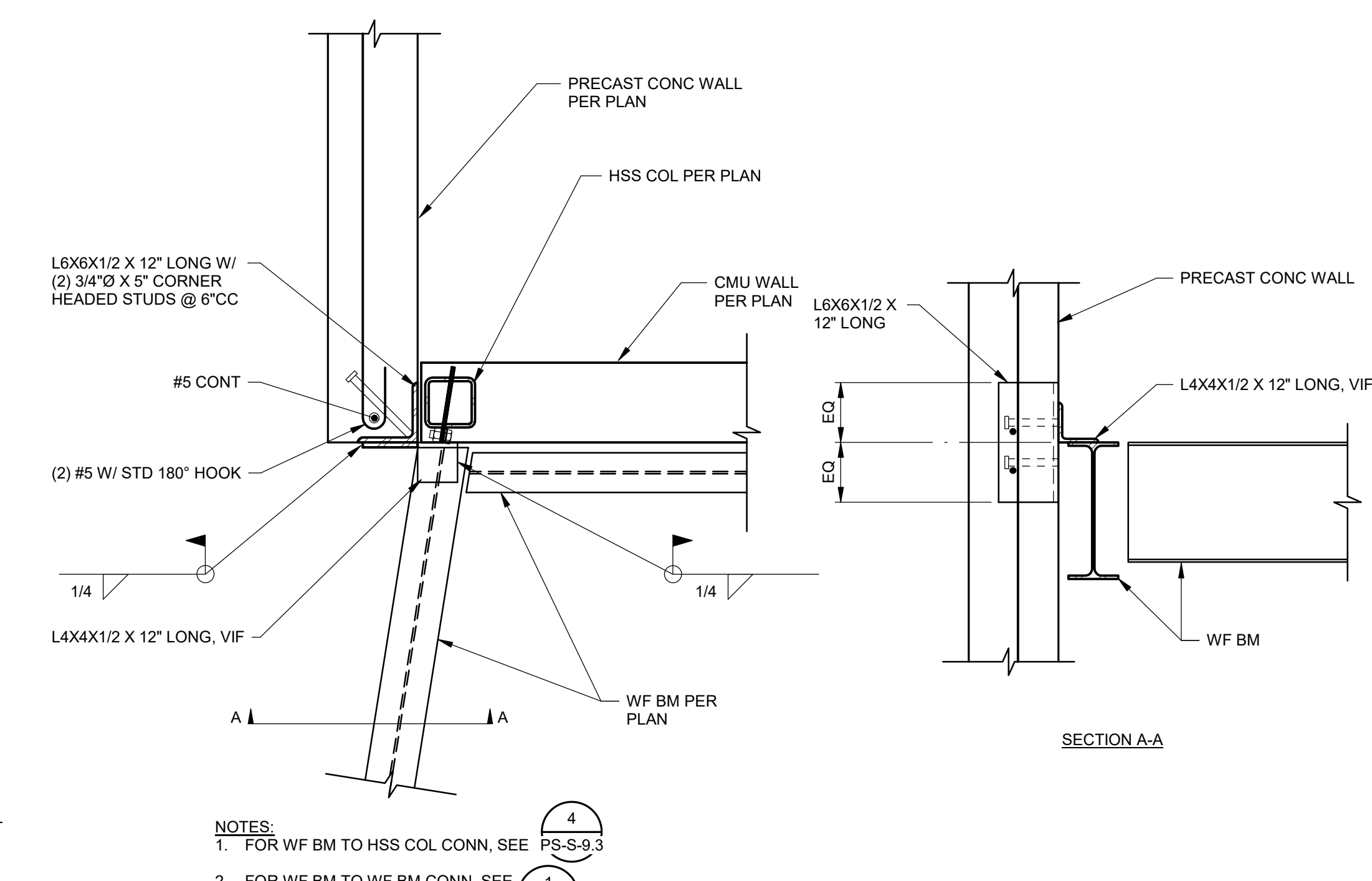
DETAIL



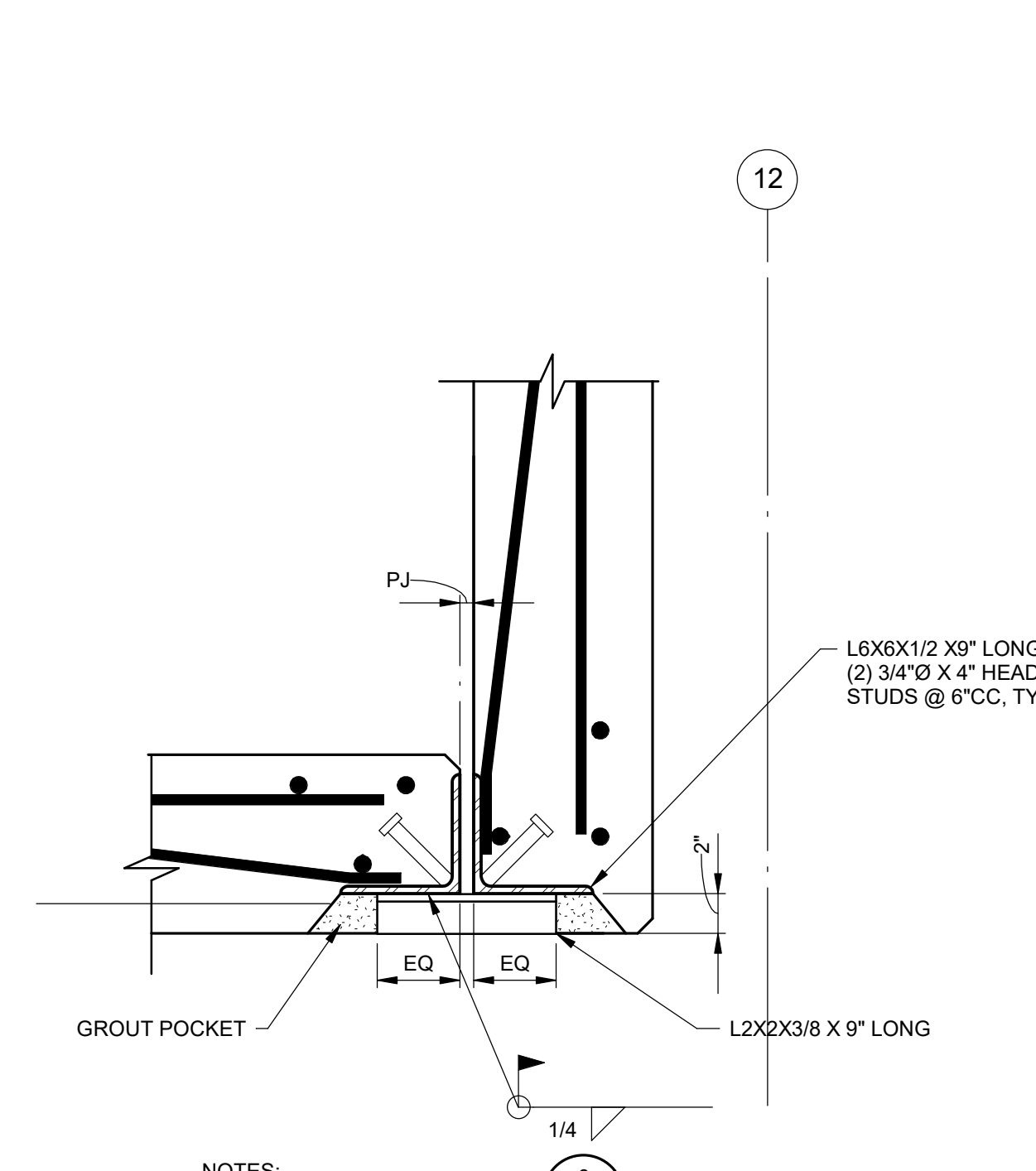
DETAIL  $\frac{7}{PS-S-4.5}$  - 1" = 1'-0"



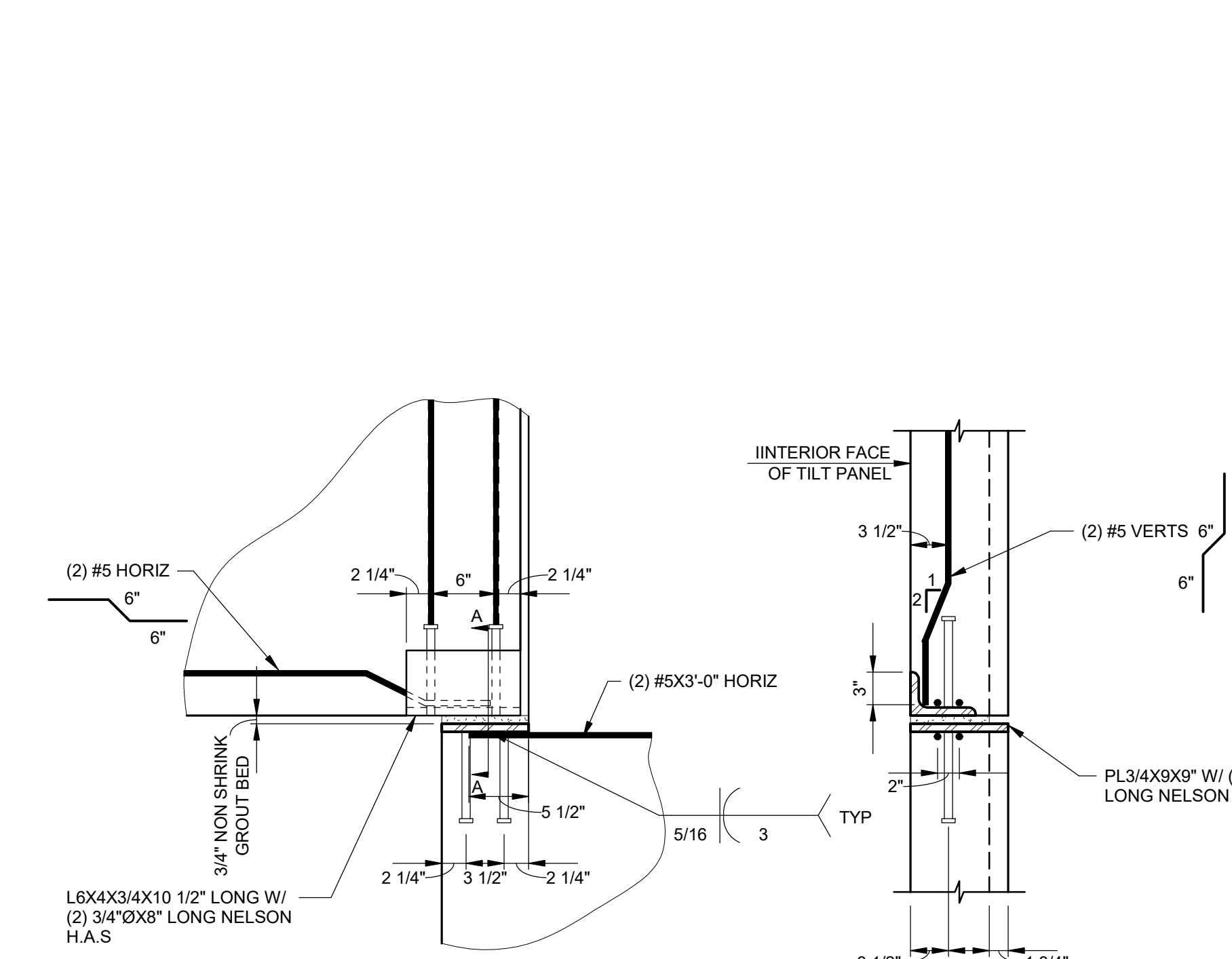
DETAIL  $\frac{8}{PS-S-4.5}$  - 1" = 1'-0"



DETAIL  $\frac{9}{PS-S-4.5}$  - 1" = 1'-0"



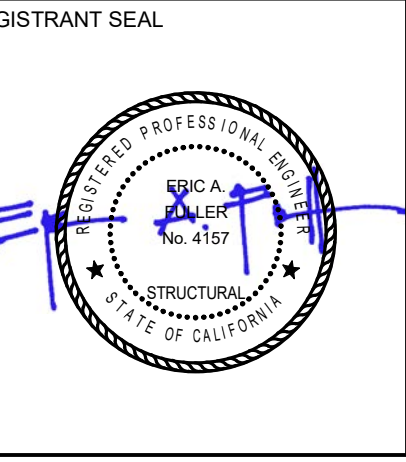
DETAIL  $\frac{10}{PS-S-4.5}$  - 1 1/2" = 1'-0"



DETAIL  $\frac{11}{PS-S-4.5}$  - 1" = 1'-0"



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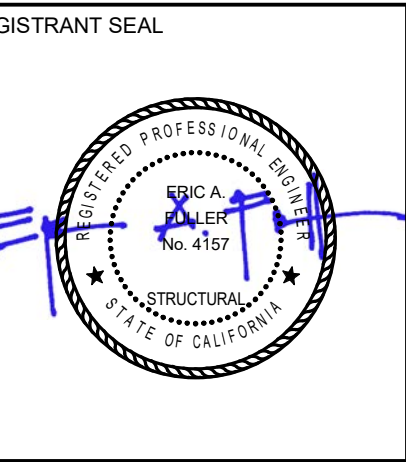
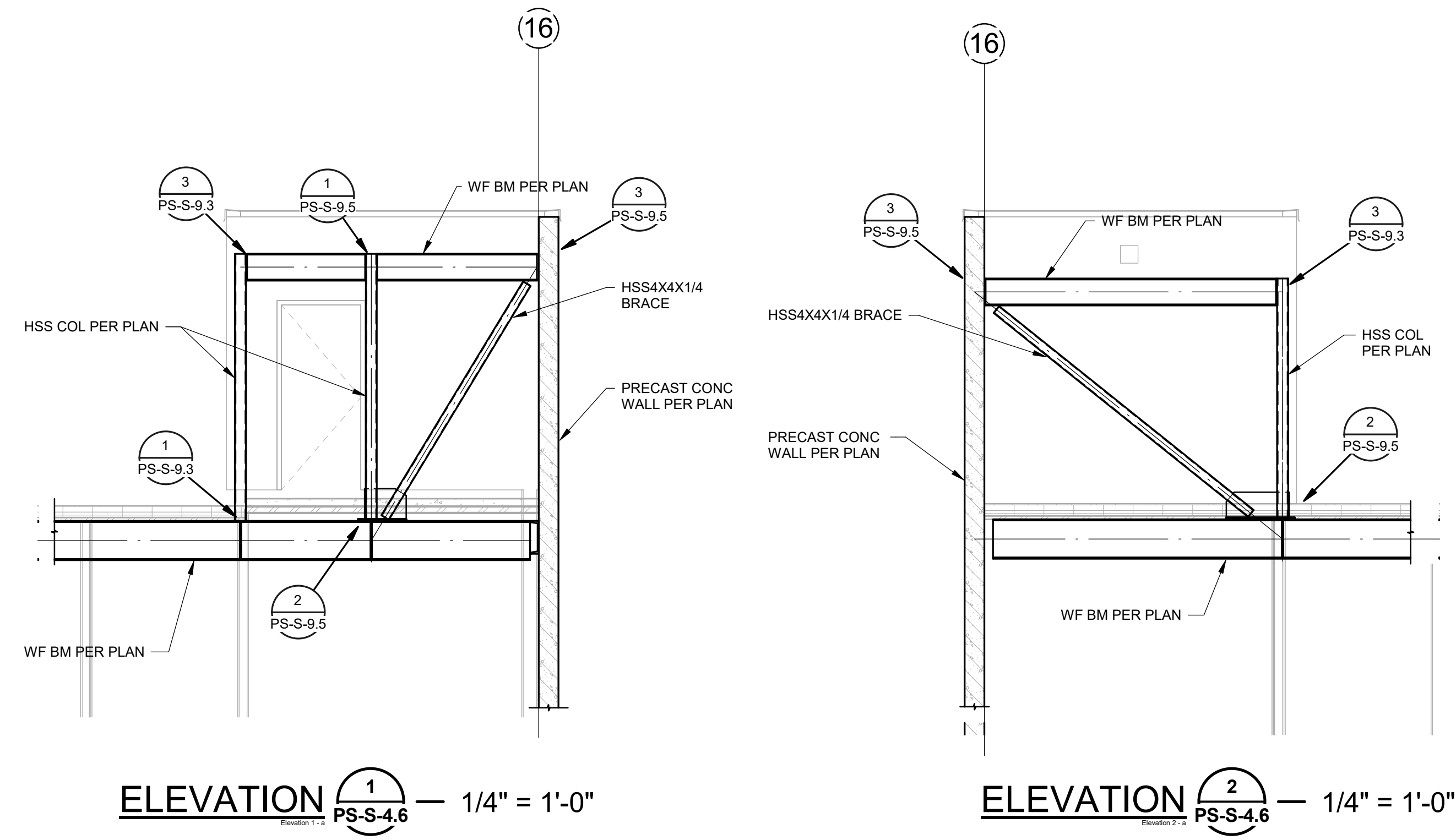


NO.	REVISION	DATE

PROJECT NO.: 2017.033  
 DATE: 04-16-2018  
 DESIGNED BY: RJM  
 DRAWN BY: PVB  
 APPROVED BY: [Signature]  
 SHEET TITLE: DETAILS  
 SHEET NUMBER: PS-S-4.5



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**DIAMOND SPRINGS, CA 95619**



NO.	REVISION	DATE

PROJECT NO.: 2017.033  
 DATE: 04-16-2018  
 DESIGNED BY: Designer  
 DRAWN BY: Author  
 APPROVED BY: \_\_\_\_\_  
 SHEET TITLE:  
**FRAMING ELEVATIONS**



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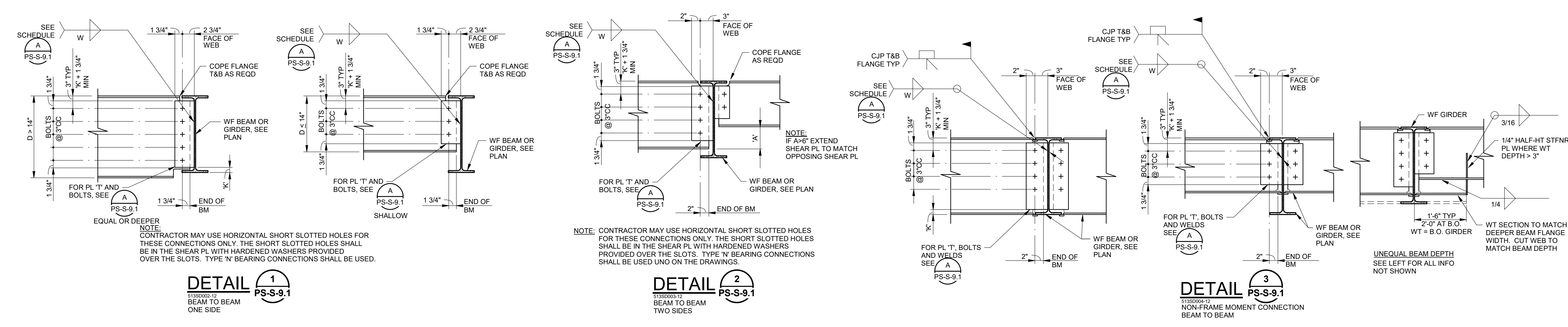
SHEET NUMBER:  
**PS-S-4.6**



## PS-S-9.1 CONNECTION SCHEDULE

BEAM SIZE	NO. & DIA. A325-N BOLTS	SHR PL T	W
C8 & C10	2 - 7/8"Ø	1/4"	3/16
W8 & W10	2 - 7/8"Ø	1/4"	3/16
W12, W14, I12	3 - 7/8"Ø	1/4"	3/16
W16	4 - 7/8"Ø	3/8"	5/16
W18	5 - 7/8"Ø	3/8"	5/16
W21	5 - 1"Ø	1/2"	3/8
W24	6 - 1"Ø	1/2"	3/8
W27	7 - 1"Ø	1/2"	3/8
W30	8 - 1"Ø	1/2"	3/8
W33	9 - 1"Ø	1/2"	3/8
W36	10 - 1"Ø	1/2"	3/8
W40	11 - 1"Ø	1/2"	7/16

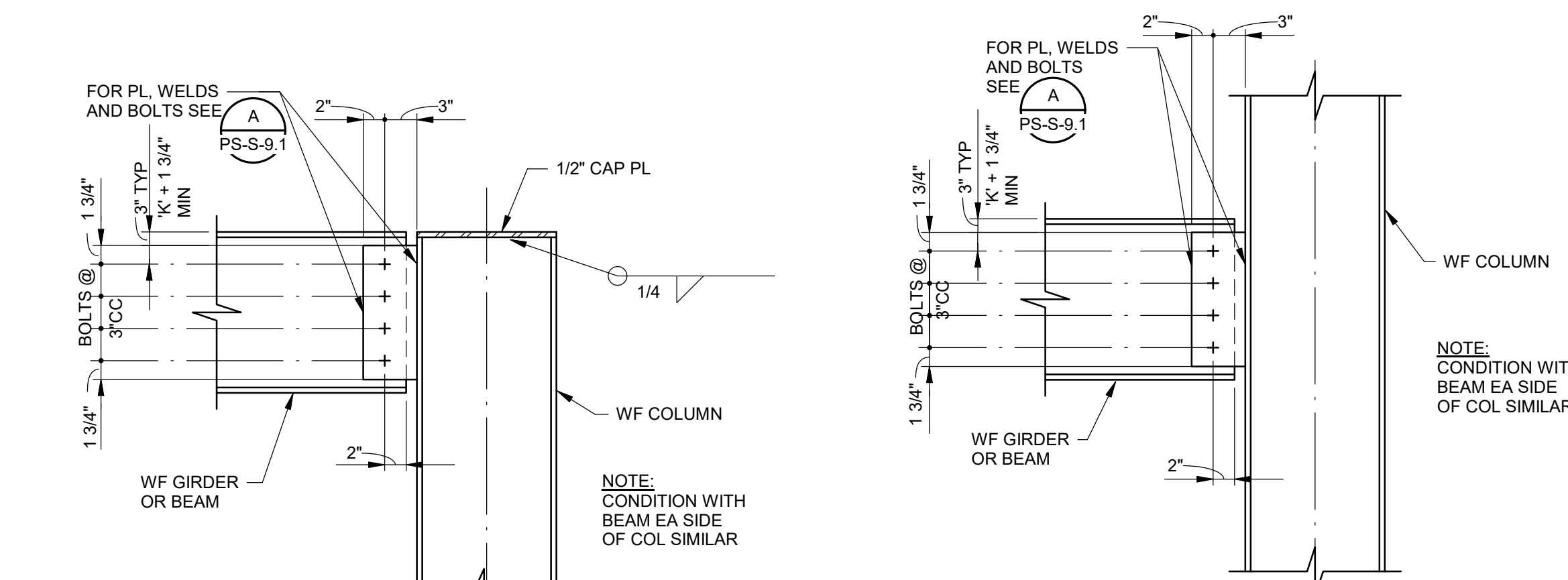
1. THIS SCHEDULE APPLIES TO NON-FRAME CONNECTIONS, TYPICAL.  
2. SHEAR E WITH HORIZONTAL SHORT-SLOTTED HOLES.



DETAIL 1  
PS-S-9.1  
BEAM TO BEAM ONE SIDE

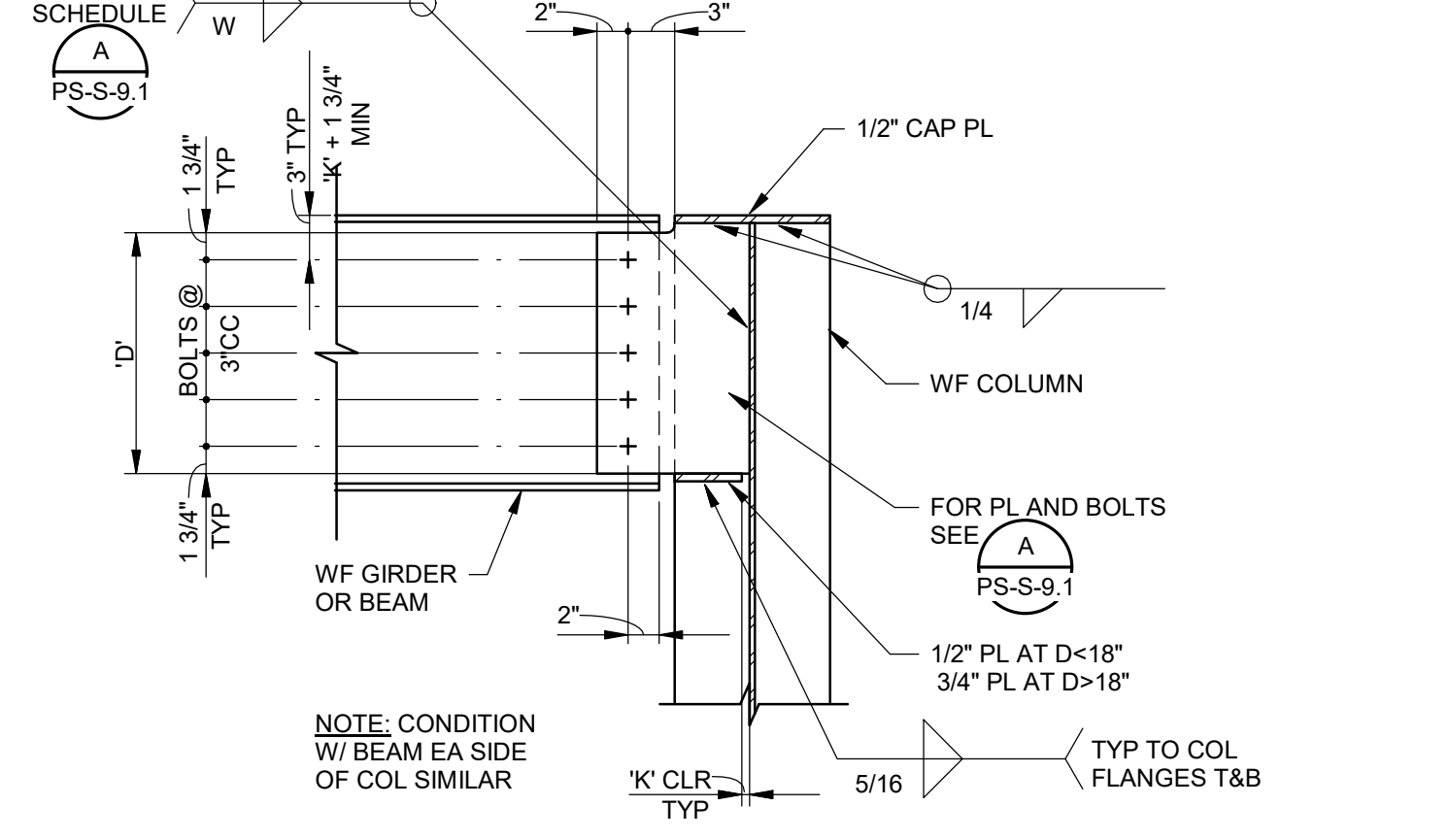
DETAIL 2  
PS-S-9.1  
BEAM TO BEAM TWO SIDES

DETAIL 3  
PS-S-9.1  
NON-FRAME MOMENT CONNECTION BEAM TO BEAM

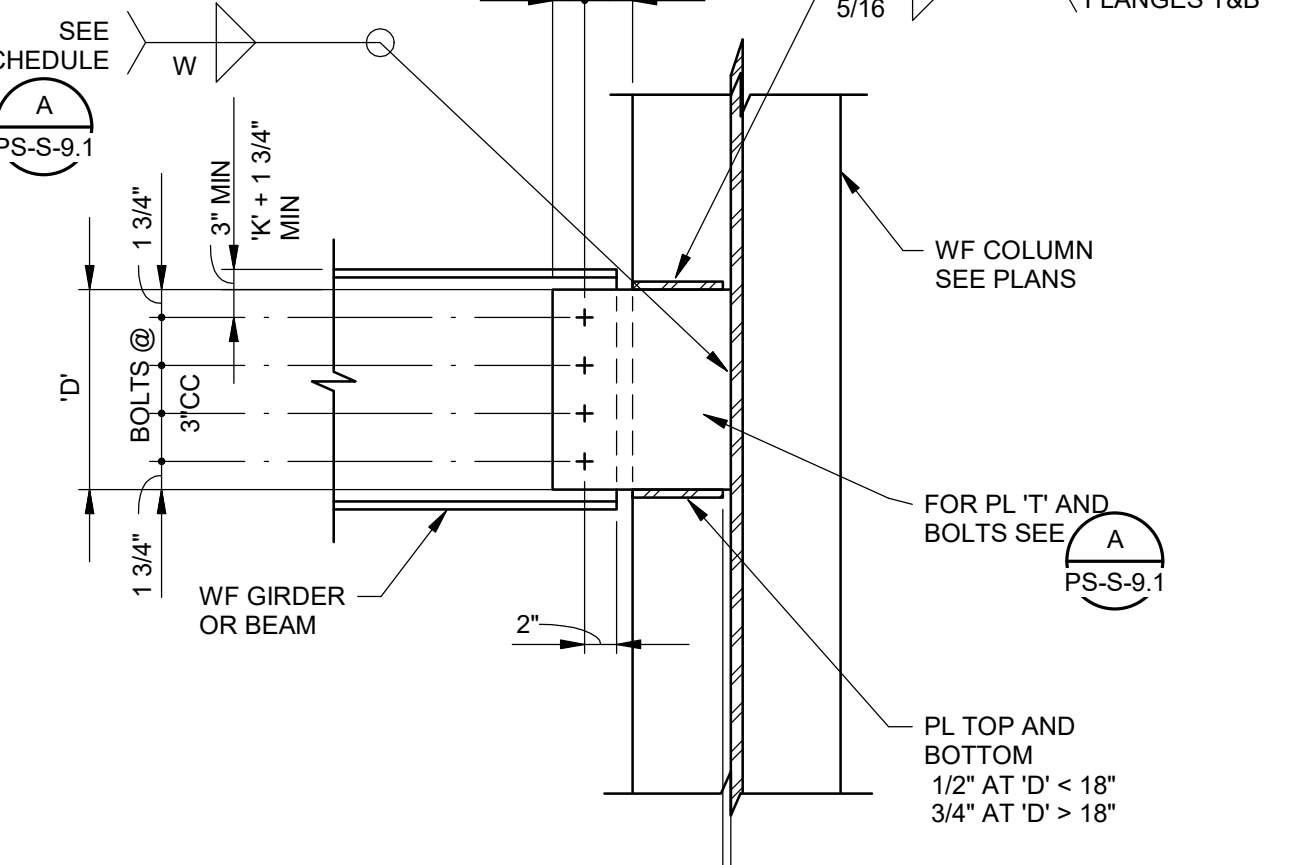


DETAIL 4  
PS-S-9.1  
BEAM TO COLUMN FLANGE - ROOF

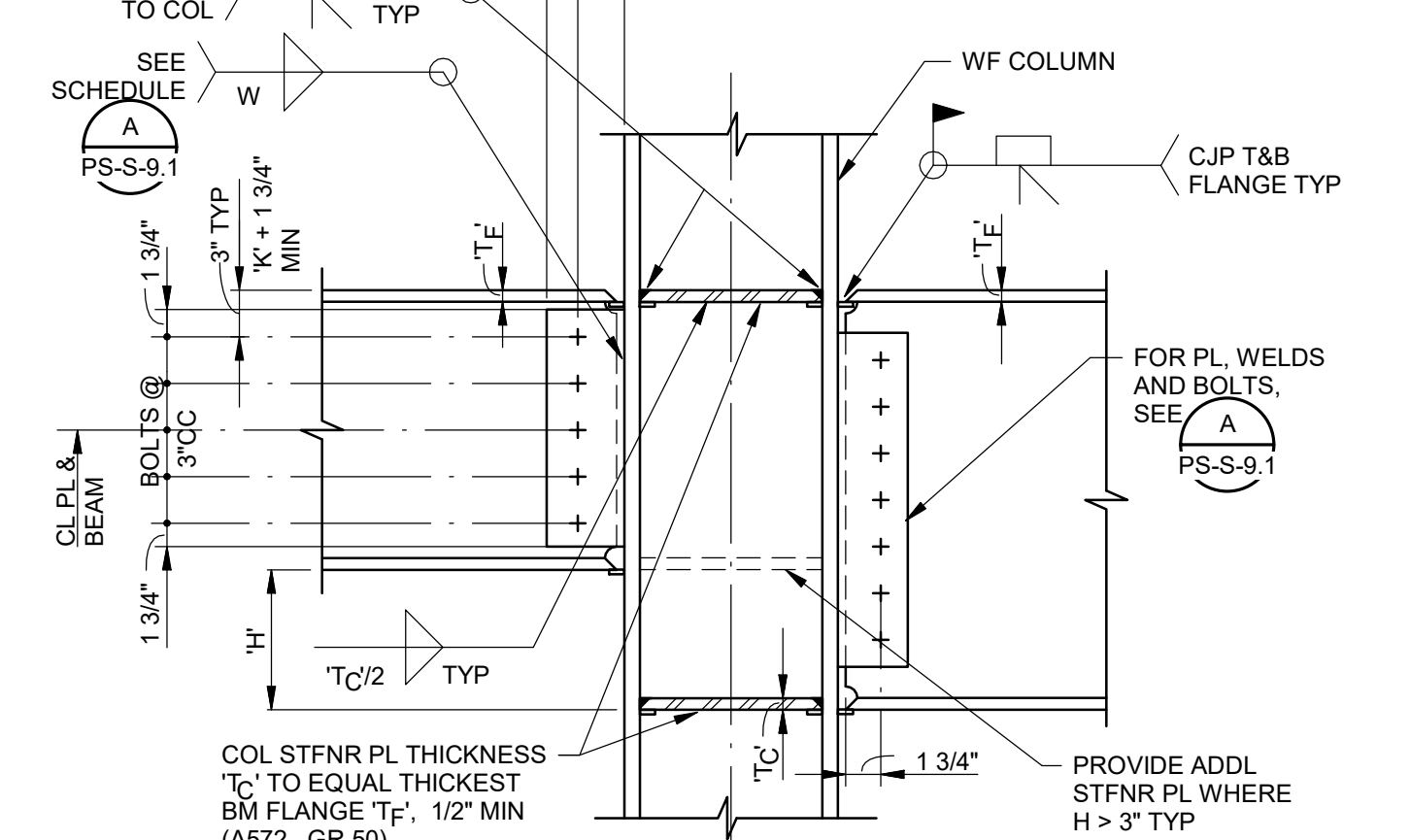
DETAIL 5  
PS-S-9.1  
BEAM TO COLUMN FLANGE - FLOOR



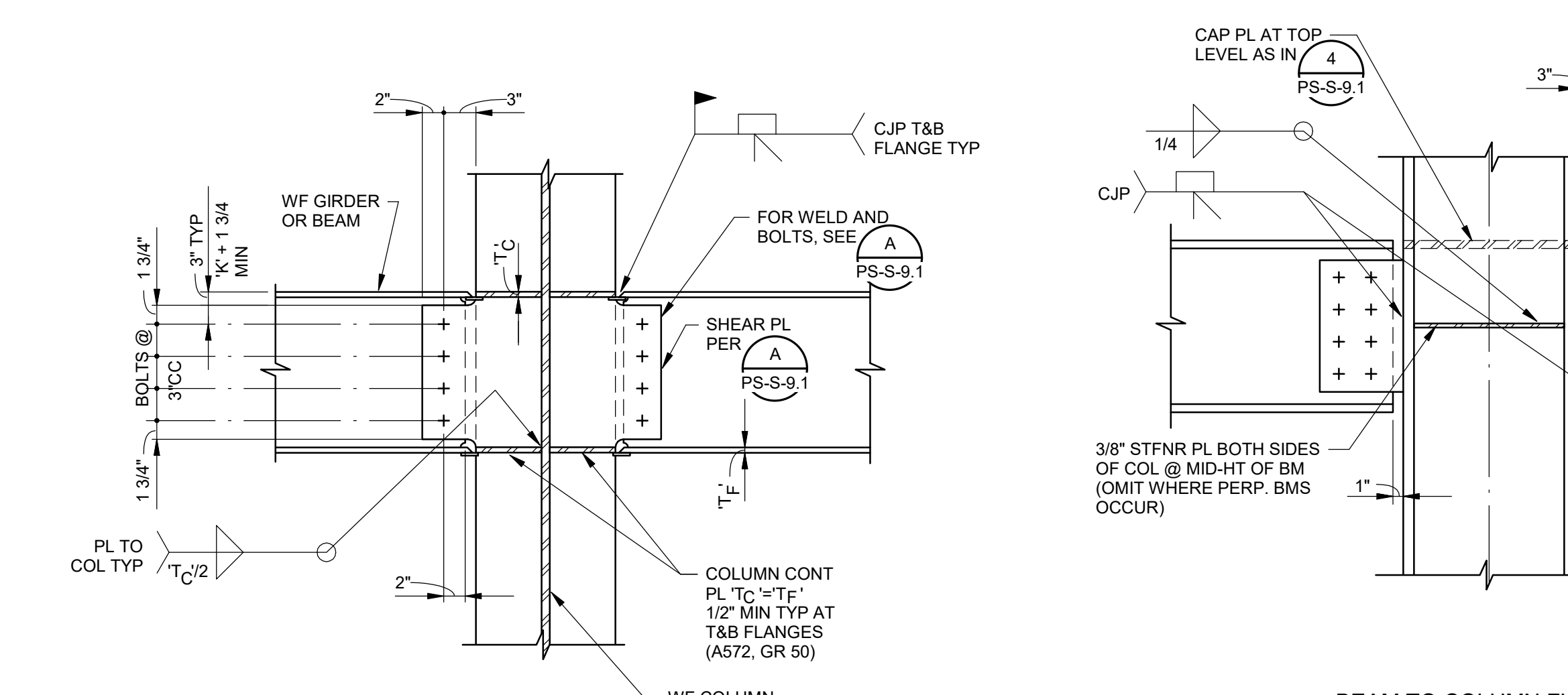
DETAIL 6  
PS-S-9.1  
BEAM TO COLUMN WEB - FLOOR



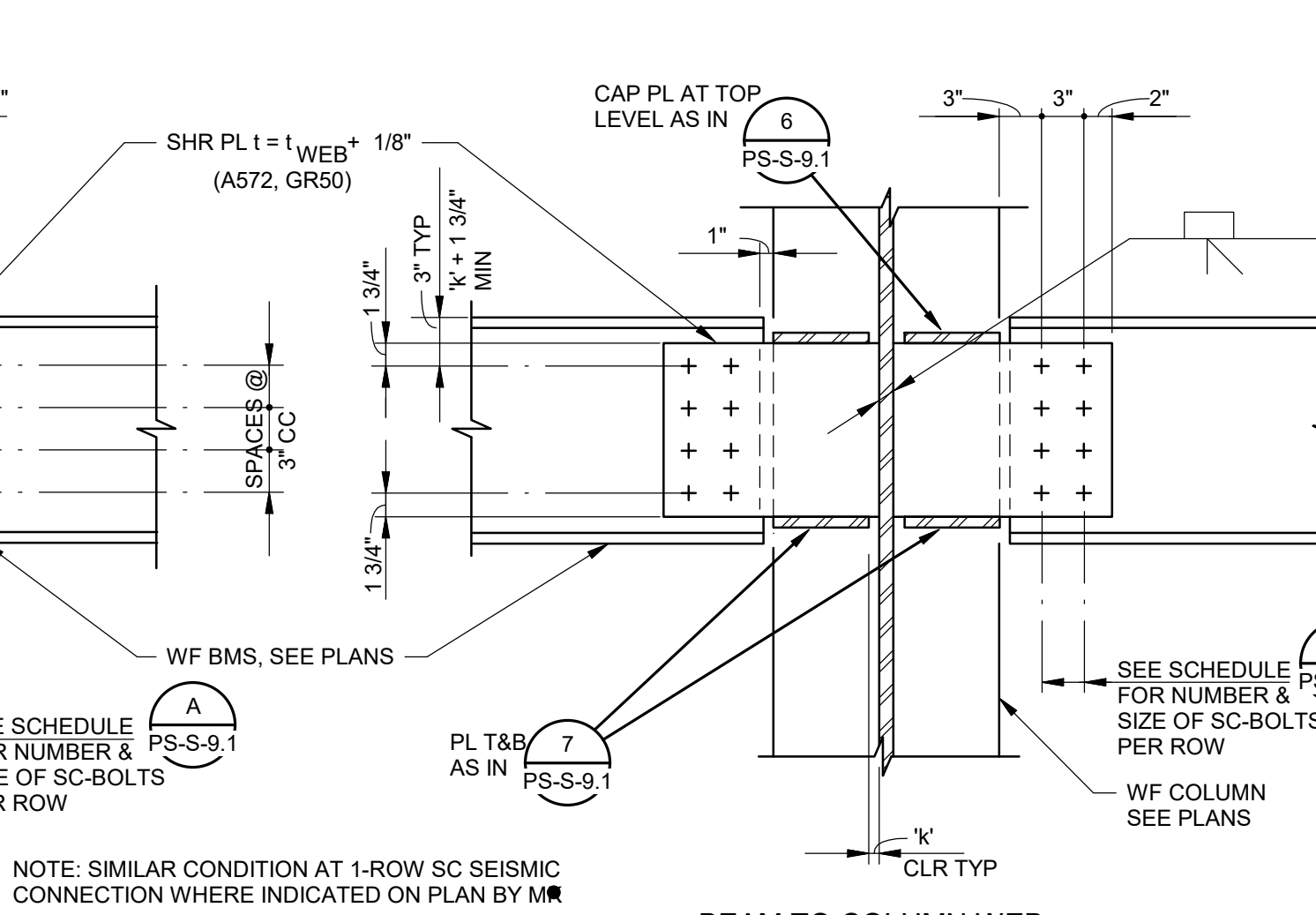
DETAIL 7  
PS-S-9.1  
BEAM TO COLUMN WEB - FLOOR



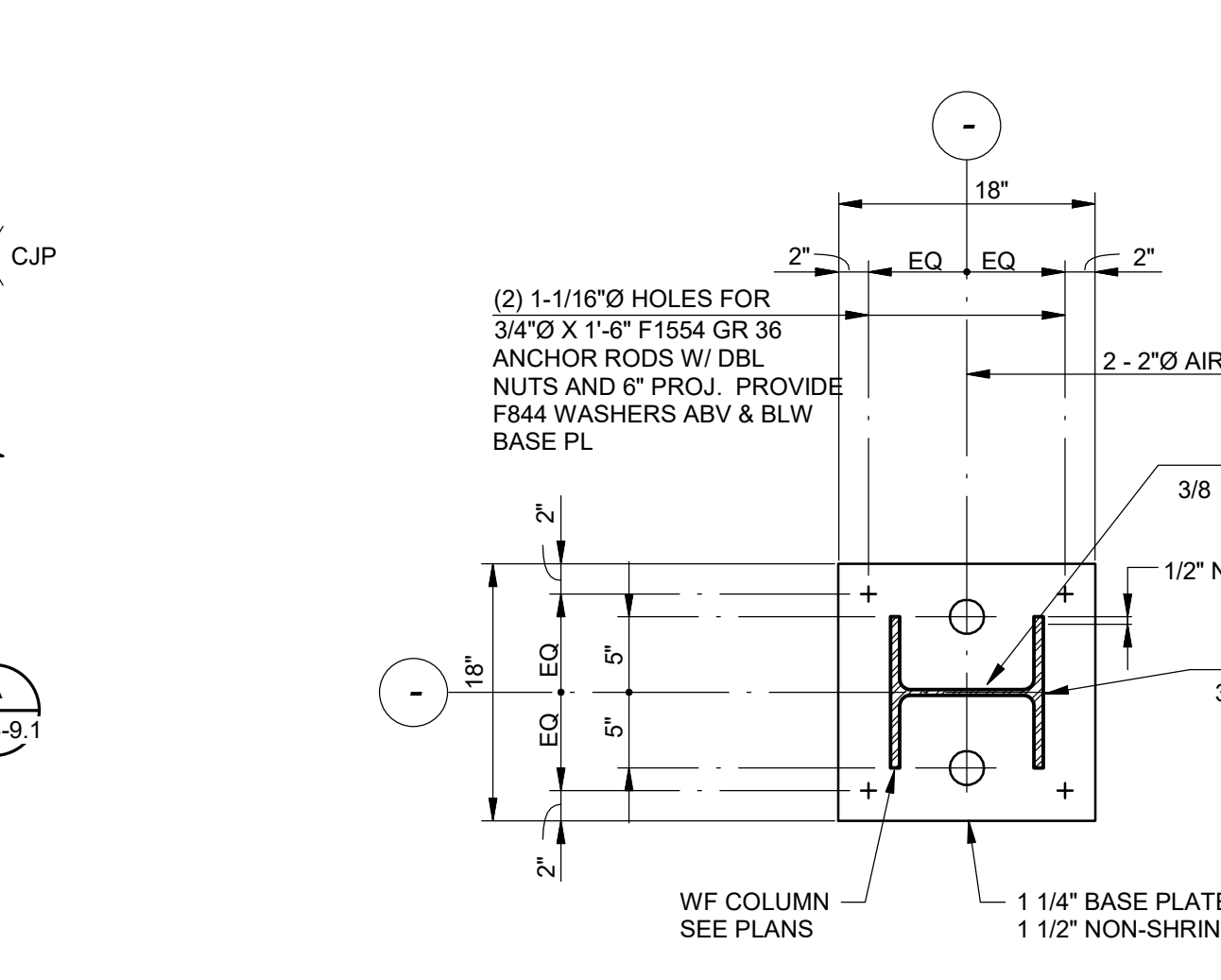
DETAIL 8  
PS-S-9.1  
NON-FRAME MOMENT CONNECTION BEAM TO COLUMN FLANGE



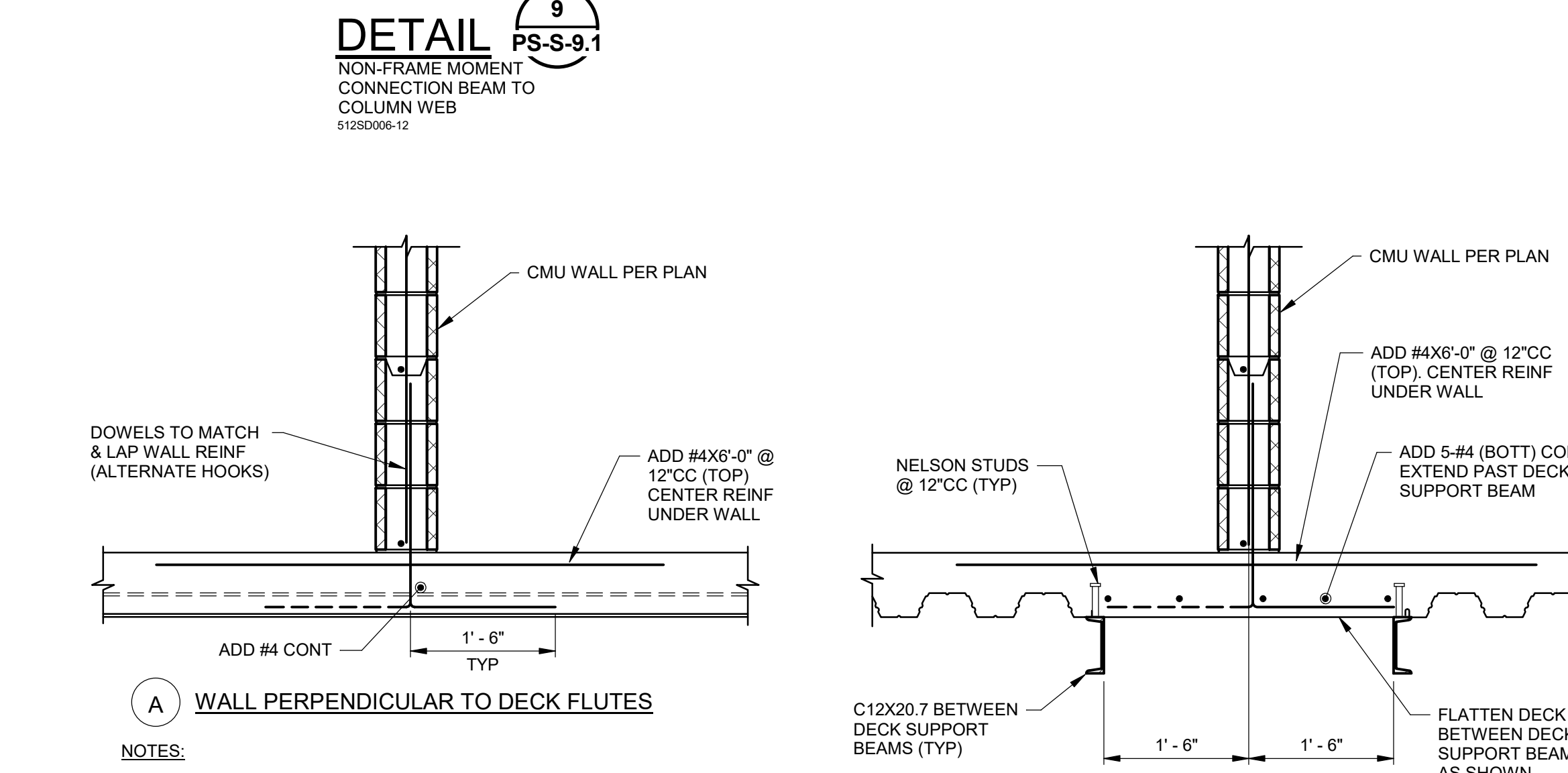
DETAIL 9  
PS-S-9.1  
NON-FRAME MOMENT CONNECTION BEAM TO COLUMN WEB



DETAIL 10  
PS-S-9.1  
SEISMIC TIE WF BEAM TO WF COLUMN

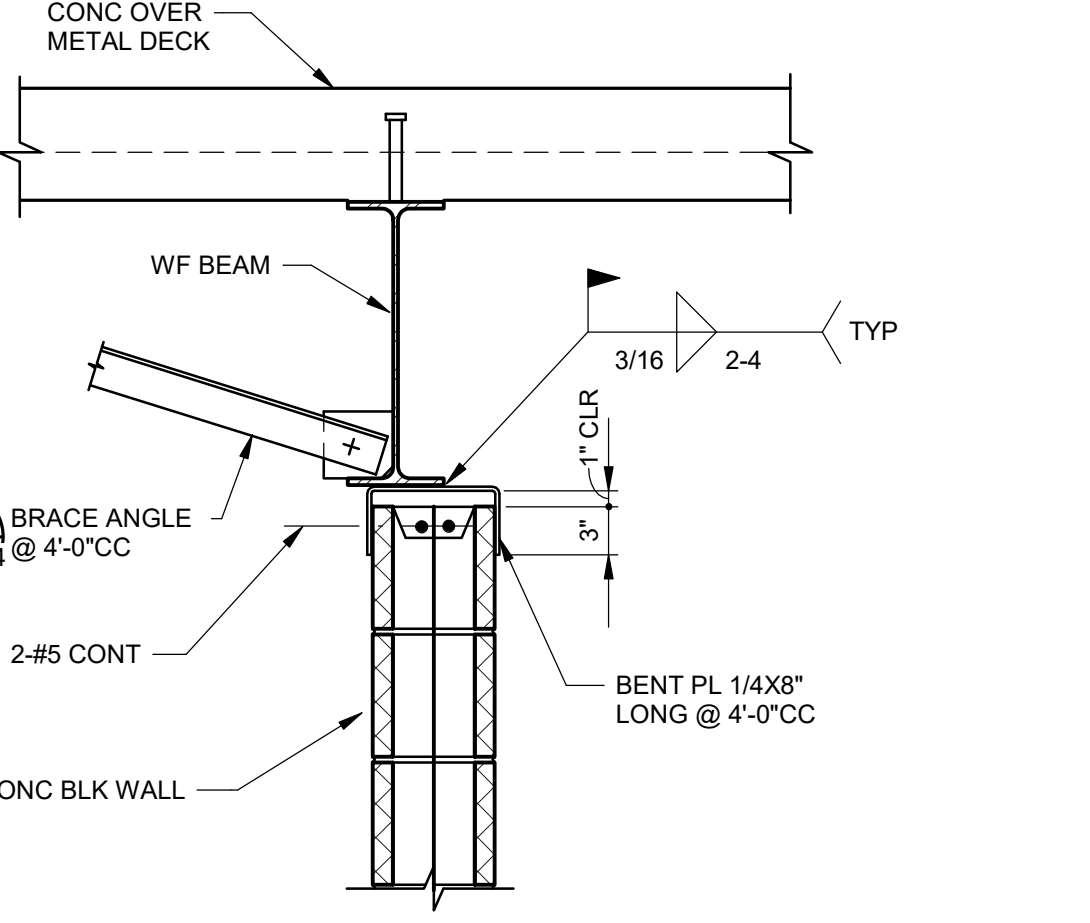


DETAIL 11  
PS-S-9.1  
TYP WF BASE PL

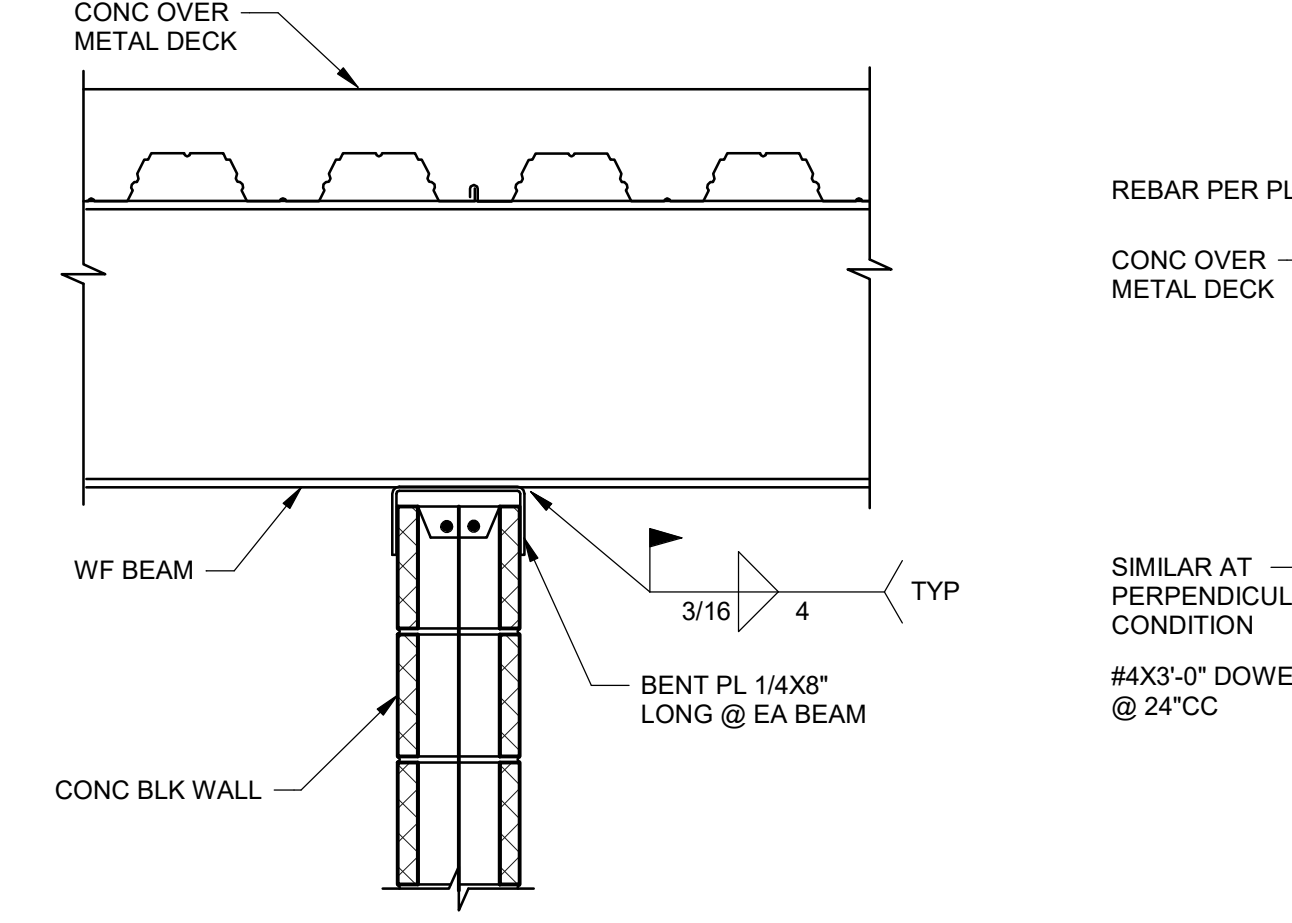


DETAIL 12A  
PS-S-9.1  
WALL PERPENDICULAR TO DECK FLUTES

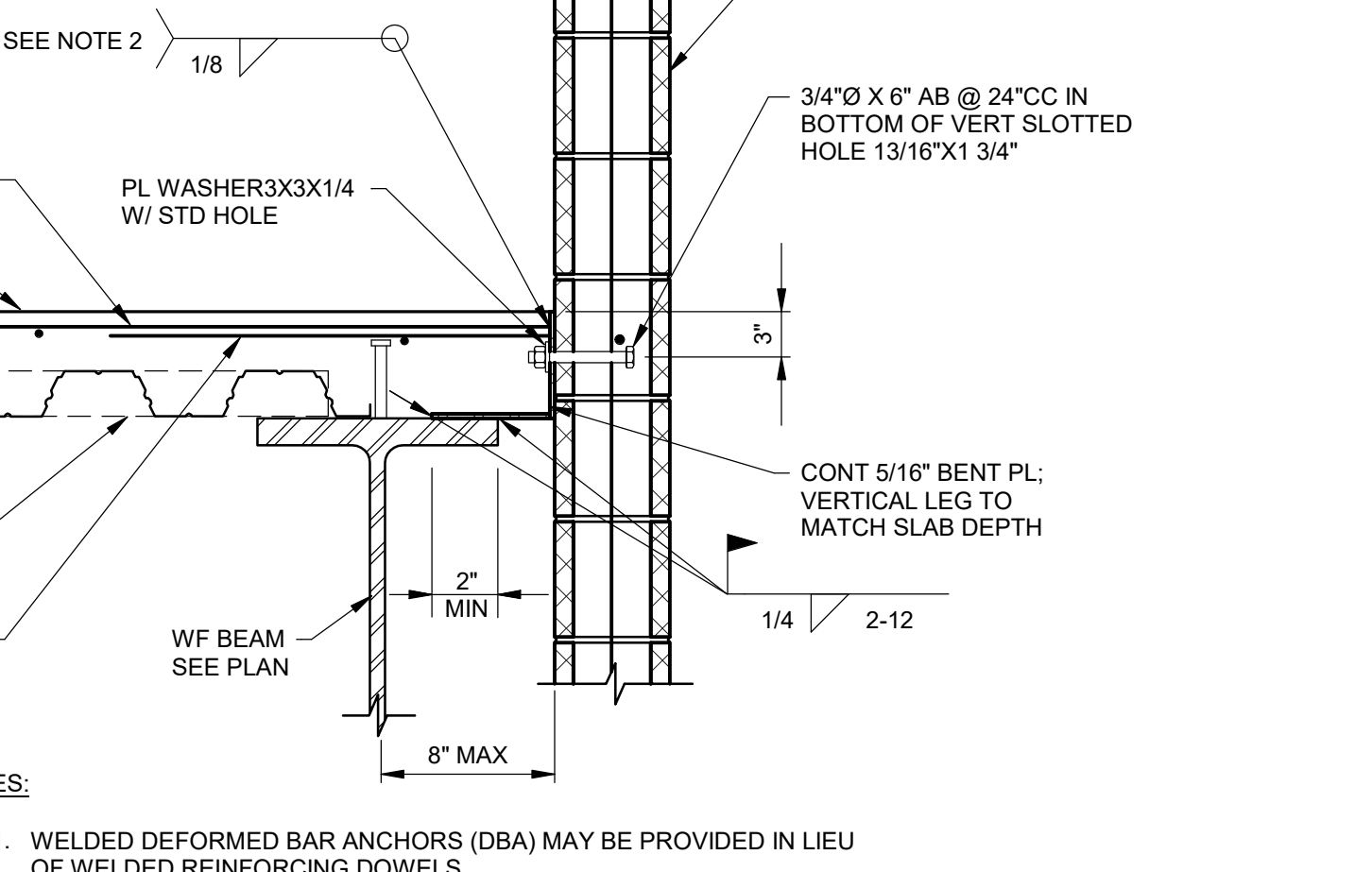
DETAIL 12B  
PS-S-9.1  
WALL PARALLEL TO DECK FLUTES



DETAIL 13  
PS-S-9.1  
BEAM PARALLEL TO WALL



DETAIL 13  
PS-S-9.1  
BEAM PERPENDICULAR TO WALL



DETAIL 14  
PS-S-9.1  
DECK AT CANTILEVERED SLAB EDGE

## CMU PARTITION WALL OVER METAL DECK FLOOR

PS-S-9.1

C/S BROWARD BUILDERS

ARRINGTON WATKINS ARCHITECTS

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NO. REVISION DATE


PROJECT NO.: 2017.033  
DATE: 04-16-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY:  
SHEET TITLE: STEEL DETAILS

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SHEET NUMBER:  
**PS-S-9.1**

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**A**  
**PS-S-9.2**

### DECK FASTENING SCHEDULE

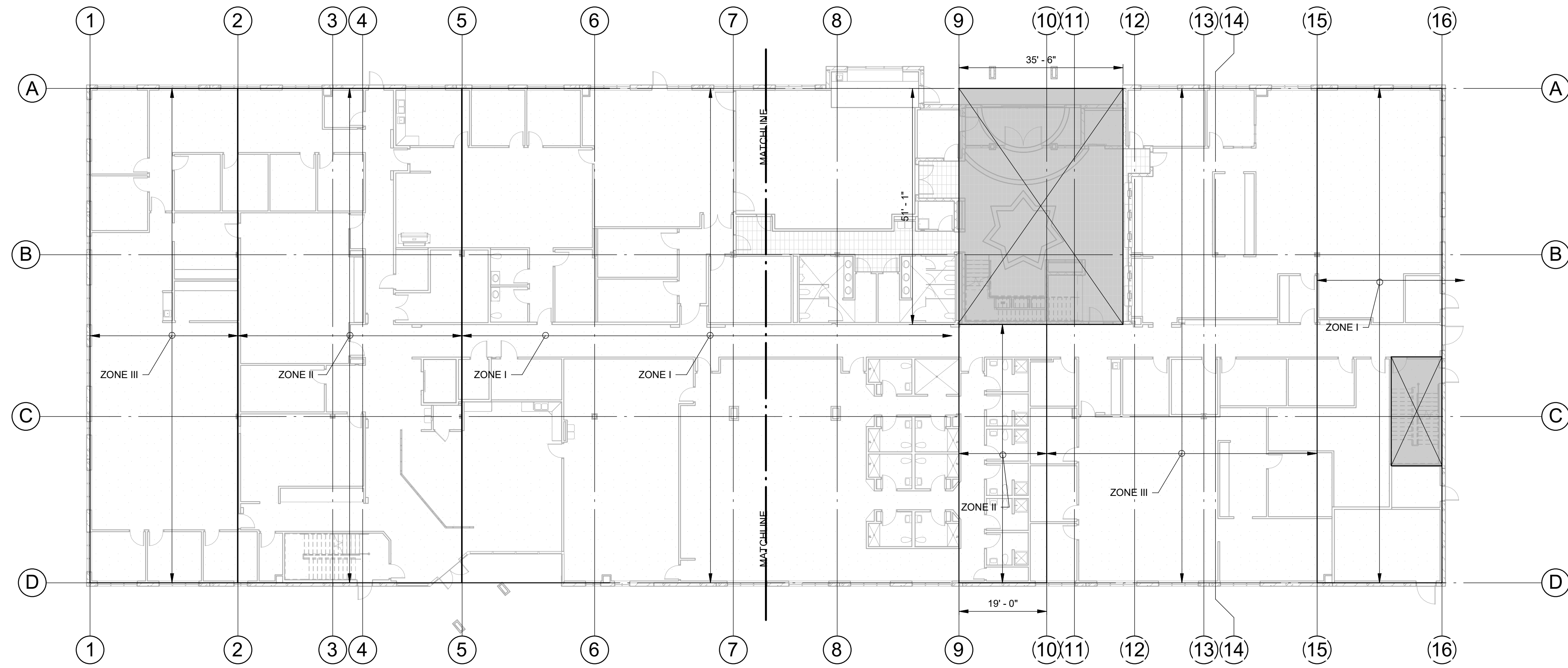
ZONE	DECK TYPE	DEPTH & GAUGE	PERPENDICULAR SUPPORTS	PARALLEL SUPPORTS	SIDE LAPS	DIAPHRAGM SHEAR CAPACITY
N/A	3W X H-36 FLOOR DECK	3"X 20GA	4 PW PER SHEET	PW @ 12"CC	BP @ 36" CC	6.49 KLF (ULT.)
I	DGB-36 ROOF DECK	1 1/2"X 18GA	4 SP PER SHEET (INTERIOR SUPPORTS) 7 SP PER SHEET (END PANEL SUPPORTS)	SP @ 12"CC	DG @ 18" CC	1.25 KLF (ASD) (10'-0" MAX SPAN)
II	DGB-36 ROOF DECK	1 1/2"X 18GA	4 SP PER SHEET (INTERIOR SUPPORTS) 7 SP PER SHEET (END PANEL SUPPORTS)	SP @ 12"CC	DG @ 8" CC	1.84 KLF (ASD) (9'-0" MAX SPAN)
III	DGB-36 ROOF DECK	1 1/2"X 18GA	4 SP PER SHEET (INTERIOR SUPPORTS) 7 SP PER SHEET (END PANEL SUPPORTS)	SP @ 6"CC	DG @ 4" CC	2.18 KLF (ASD) (9'-0" MAX SPAN)
IV	DGB-36 ROOF DECK	1 1/2"X 18GA	9 SP PER SHEET (TYP ALL SUPPORTS)	SP @ 6"CC	DG @ 4" CC	2.70 KLF (ASD) (7'-0" MAX SPAN)

- PW = 15/16" VISIBLE DIAMETER (1/2" EFFECTIVE DIAMETER) PUDDLE WELD; DG = DELTA GRIP SIDE SEAM ATTACHMENT; BP = BUTTON PUNCH; SP = SHOT PINS (HILTI X-ENP-19)
- METAL DECK SHALL BE ASC OR APPROVED EQUAL, OF TYPE AND GAUGE SHOWN ON PLANS AND FASTENED AS SHOWN ABOVE.
- AT COMPOSITE FLOOR DECKS, 3/4"Ø SHEAR STUDS MAY SUBSTITUTE FOR 3/4"Ø PUDDLE WELDS.
- SEE PS-S-9.2 FOR TYPICAL FASTENER PATTERNS.
- SEE & FOR METAL DECK FASTENING AT STRUCT STEEL SUPPORTS.
- ALL METAL DECK SHALL HAVE TWO SPANS MINIMUM.
- PROVIDE SHORING AS REQUIRED AT ALL DECKS PER MFR RECOMMENDATIONS.
- FOR PLAN EXTEND OF ZONES REFER TO ROOF DIAPHRAGM KEY PLAN DETAIL .

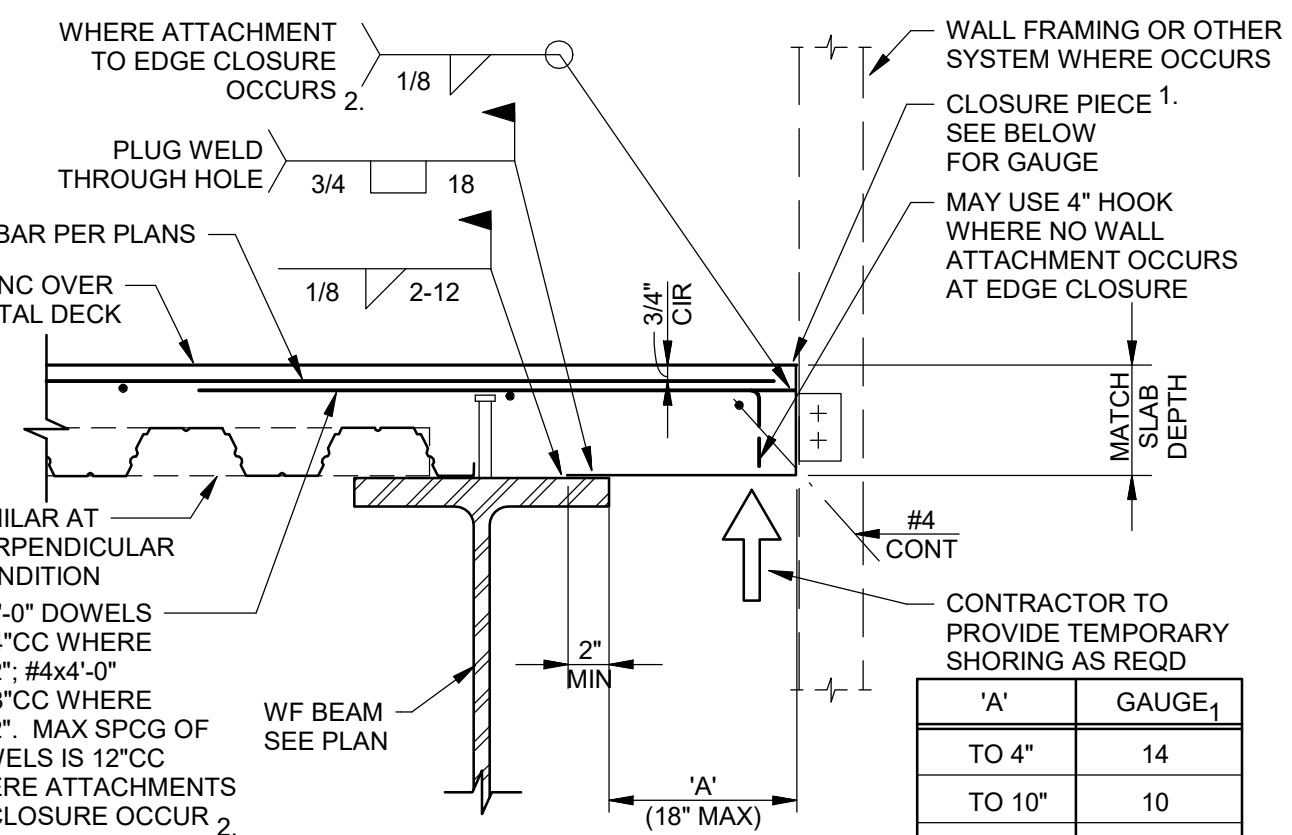
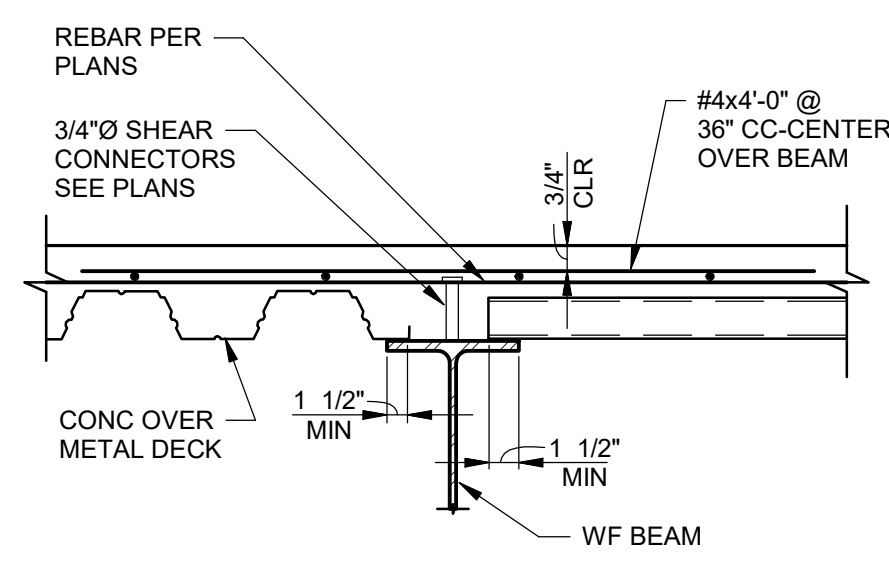
**B**  
**PS-S-9.2**

### METAL DECK FASTENER PATTERNS

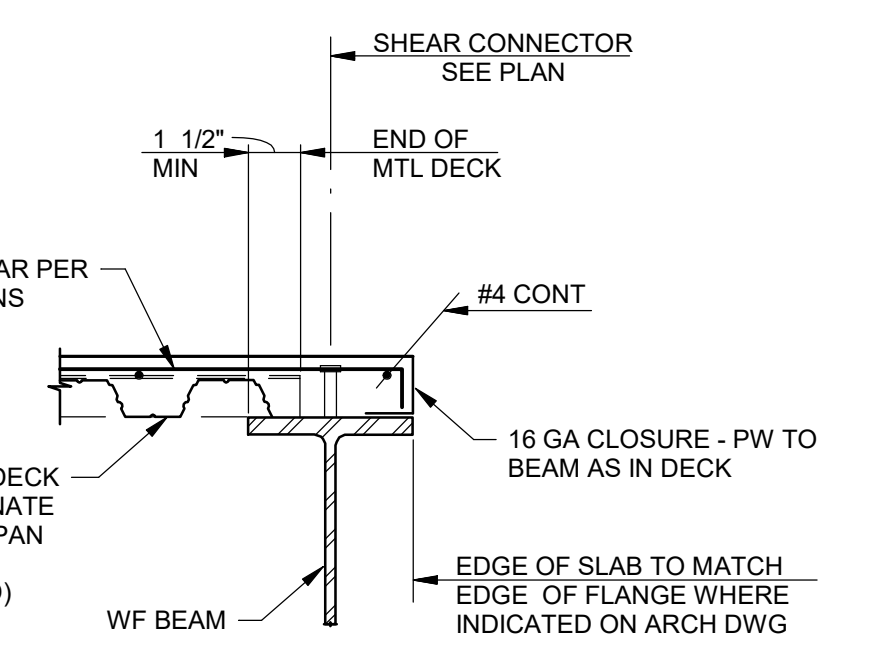
DECK TYPE	PROFILE	NO. FASTENERS PER SHEET
TYPE 3W X H-36		4 PW
TYPE DGB-36		7 SP
TYPE DGB-36		9 SP



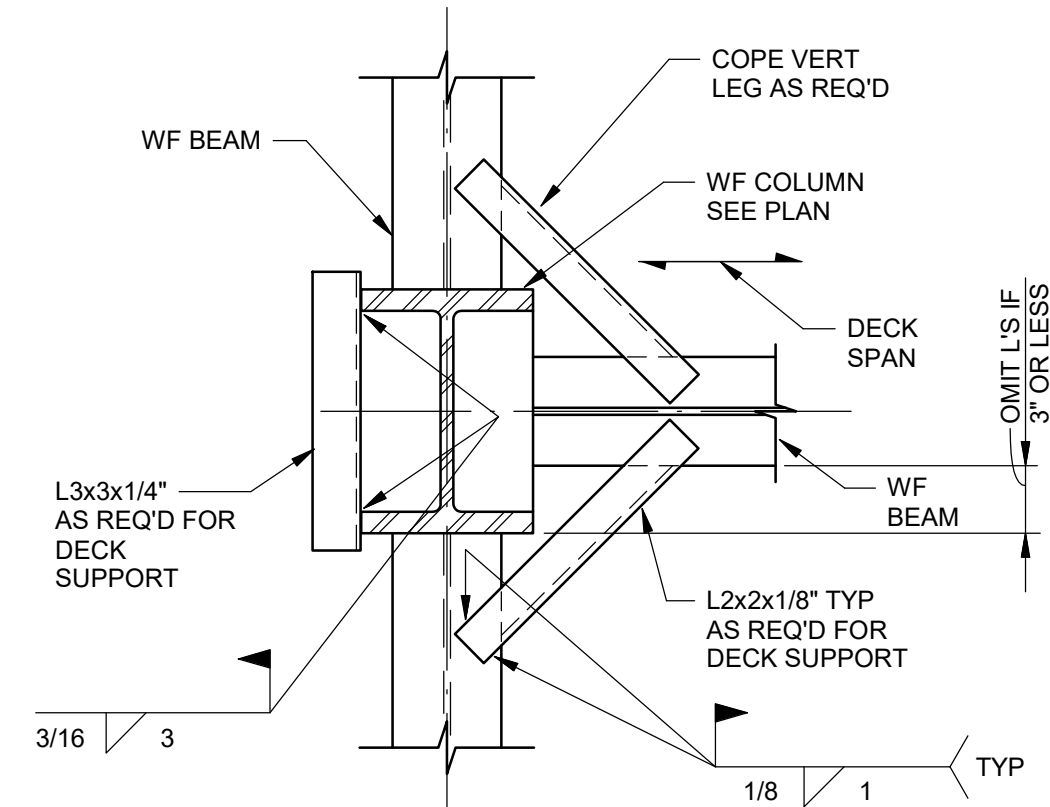
DETAIL — 1/16" = 1'-0"



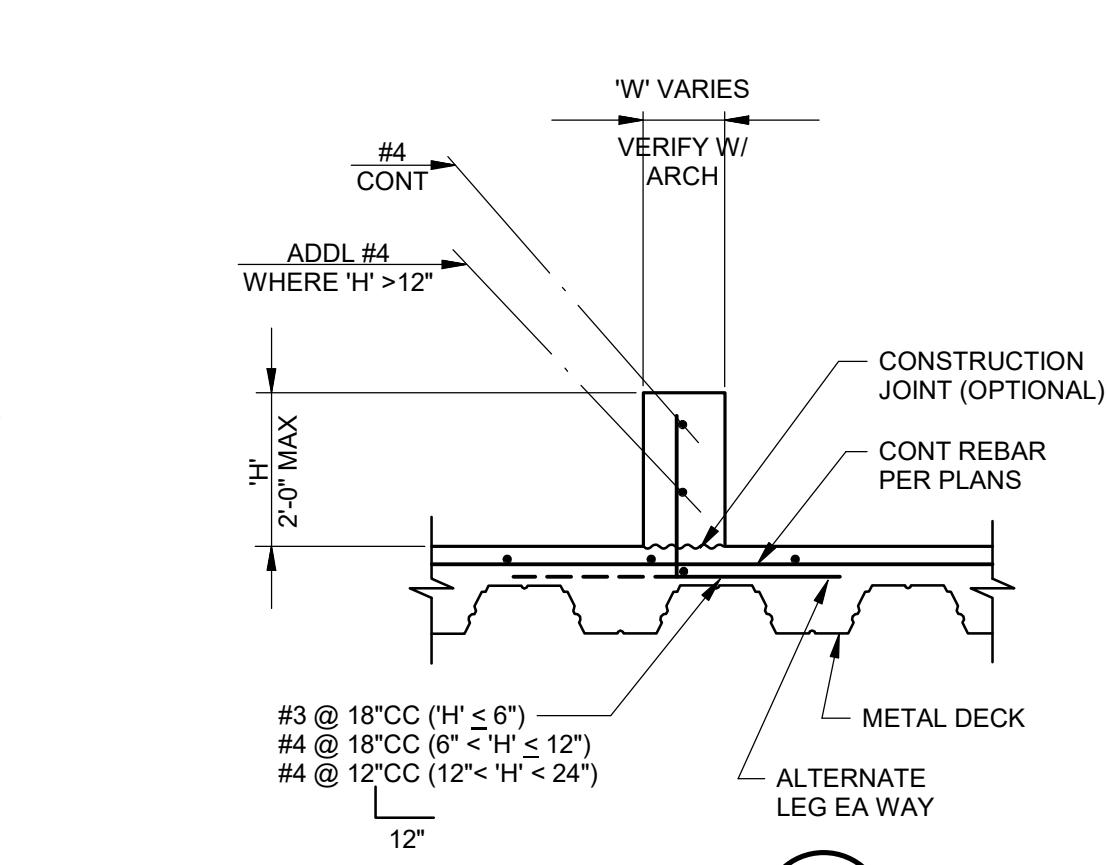
DETAIL 2  
PS-S-9.2



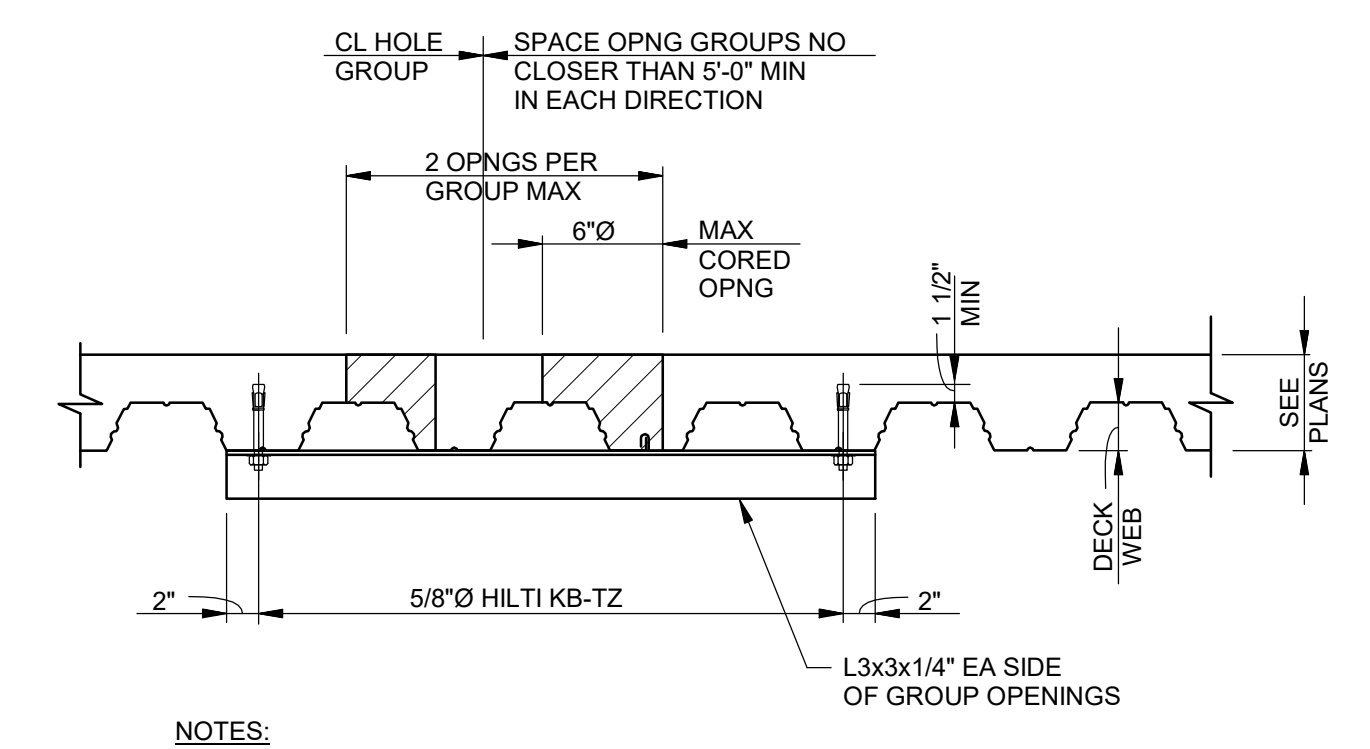
DETAIL 4  
PS-S-9.2



DETAIL 5  
PS-S-9.2



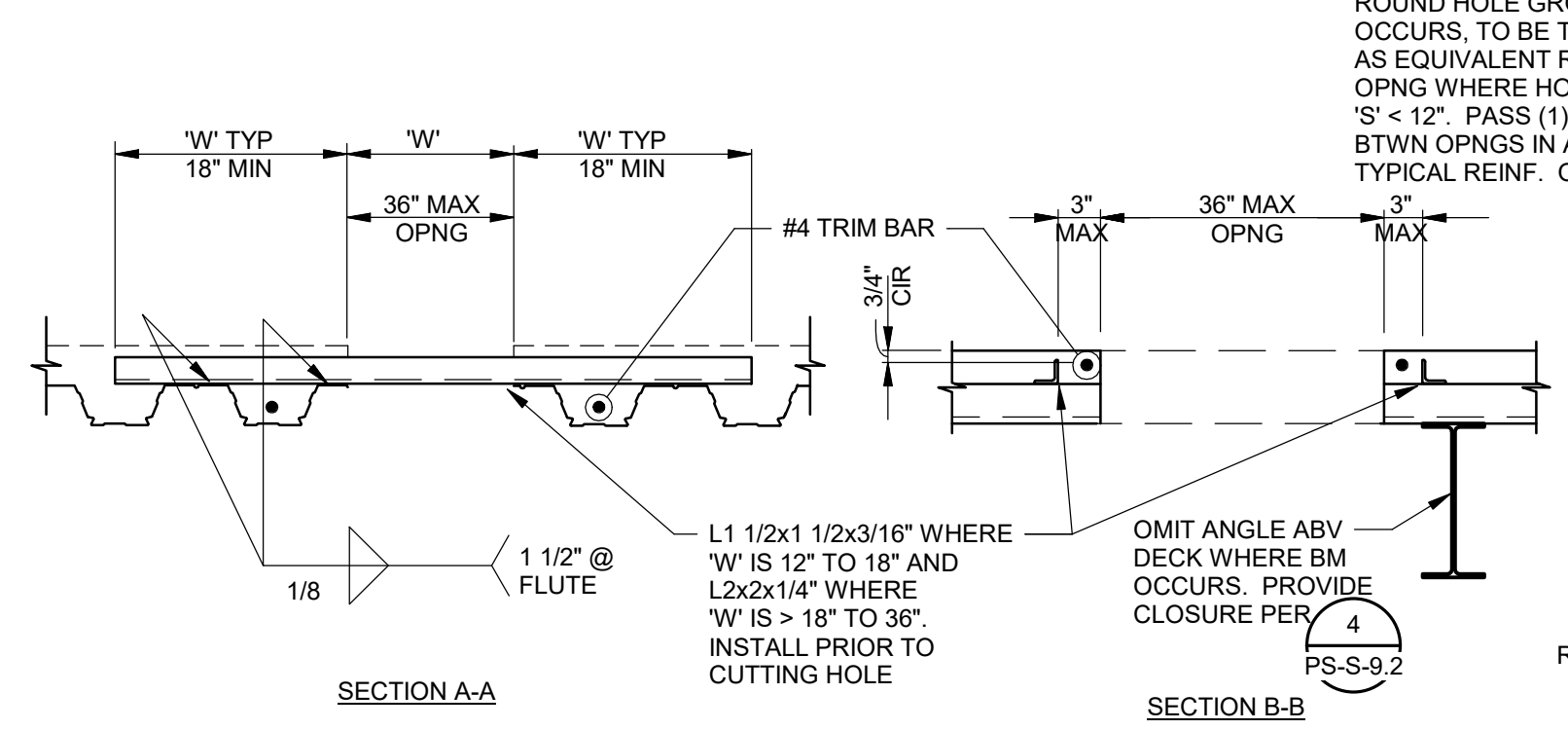
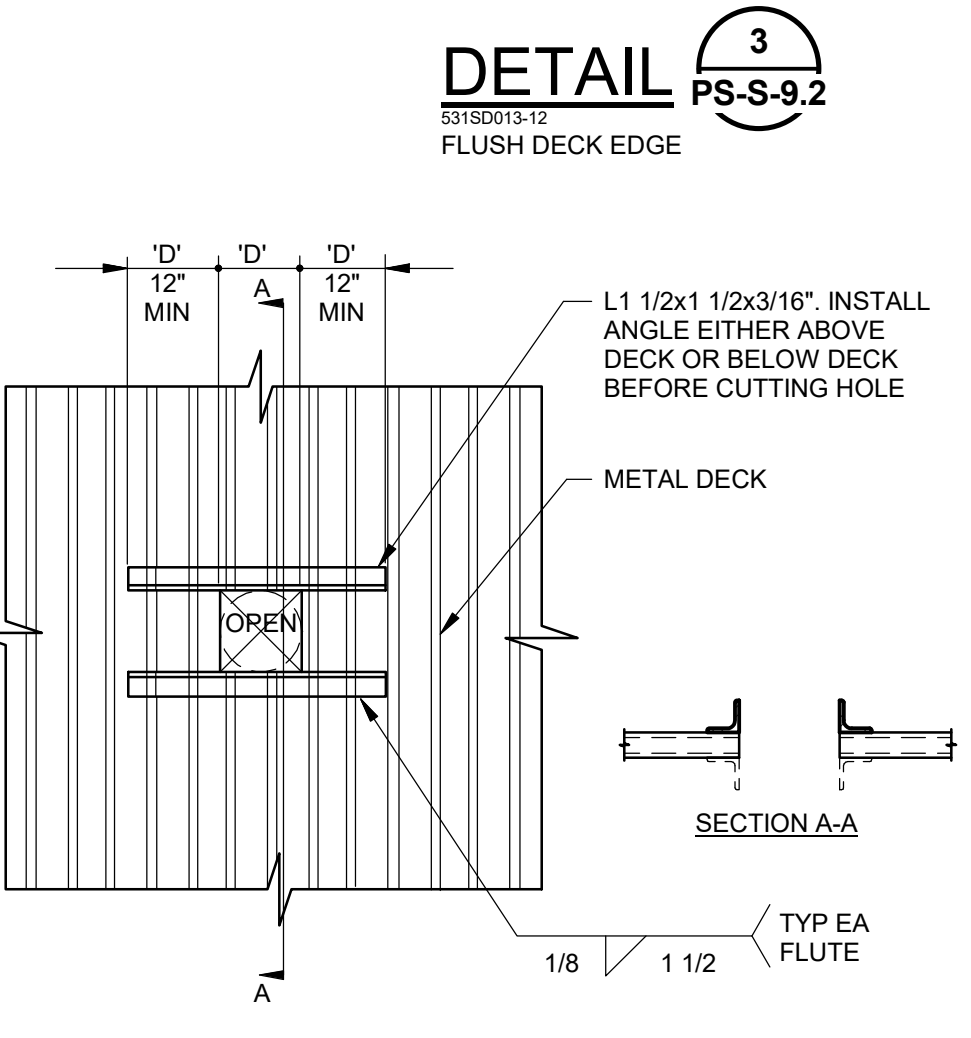
DETAIL 6  
PS-S-9.2



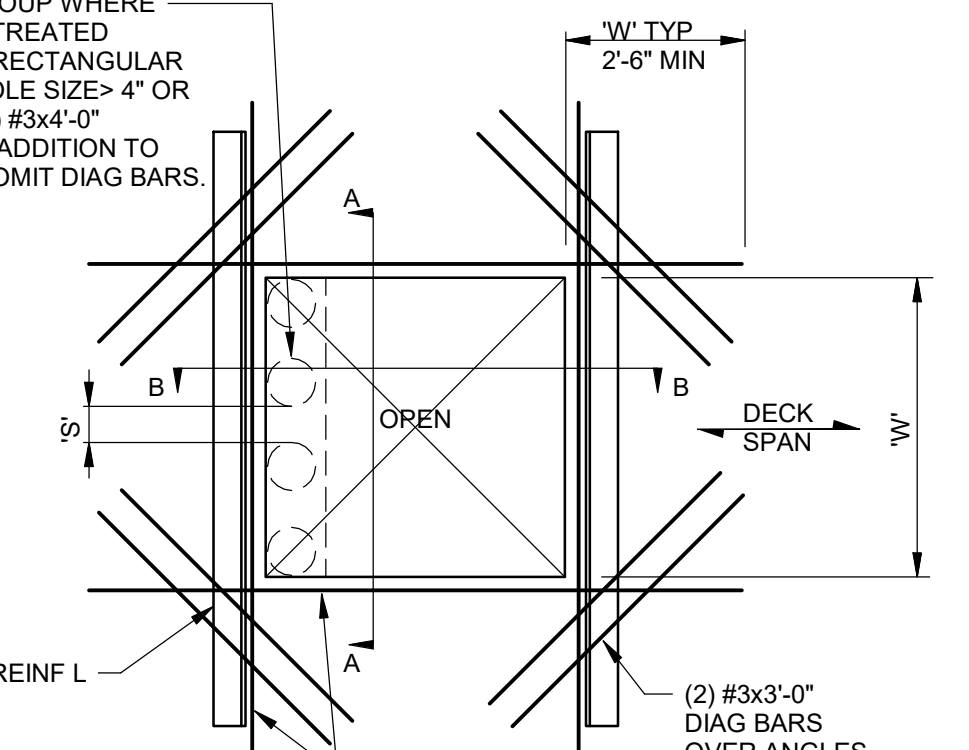
DETAIL 7  
PS-S-9.2

**COMPOSITE FLOOR DECK REINFORCING AT CORED OPENINGS**

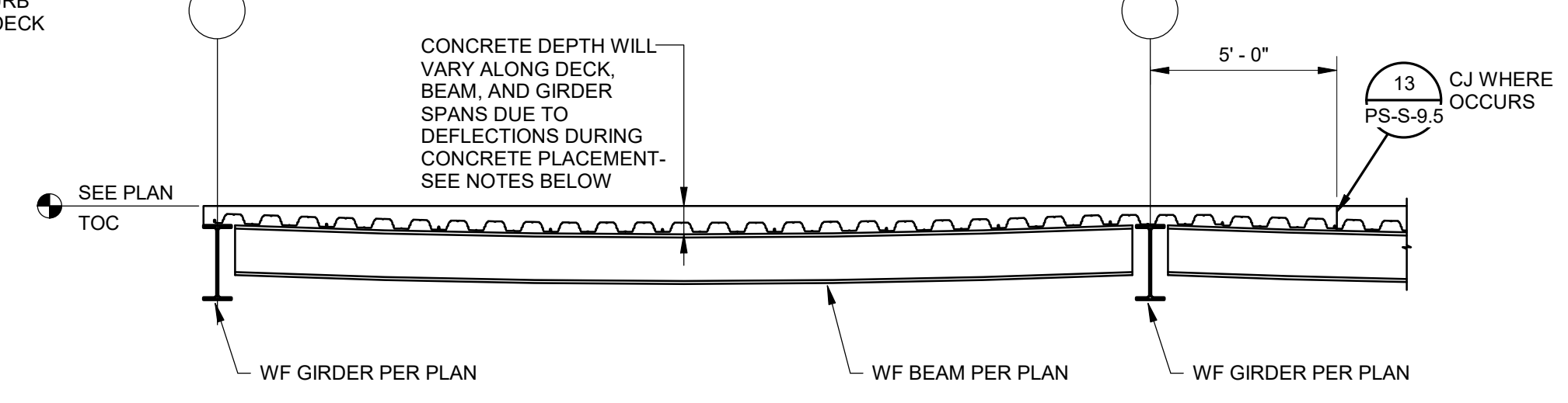
- HOLES LESS THAN 6"Ø AND CUTTING NO MORE THAN ONE DECK WEB REQUIRE NO REINFORCING.
- IF MORE THAN TWO DECK WEBS ARE CUT IN ADJACENT OPENINGS, SUPPLEMENTAL STEEL FRAMING WILL BE REQUIRED - NOTIFY STRUCTURAL ENGINEER.



DETAIL 9  
PS-S-9.2



DETAIL 10  
PS-S-9.2

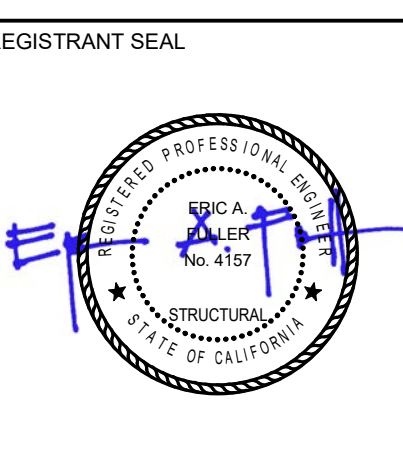


DETAIL 11  
PS-S-9.2

- PROVIDE A WORK PLAN DETAILING THE MEANS AND METHODS TO BE USED FOR PLACEMENT OF CONCRETE, INCLUDING SCREEDING PROCEDURES AND LOCATIONS OF ANY CONSTRUCTION JOINTS, WHICH WILL ACHIEVE THE PERFORMANCE CRITERIA NOTED BELOW. A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED BY THE GENERAL CONTRACTOR TO INCLUDE THE CONCRETE SUB-CONTRACTOR, ARCHITECT, STRUCTURAL ENGINEER, AND OWNER'S REPRESENTATIVE TO DISCUSS THE WORK PLAN AND PERFORMANCE OBJECTIVES.
  - THE FINAL TOP OF CONCRETE ELEVATION SHALL NOT DEVIATE BY MORE THAN 3/8" ABOVE OR BELOW THE TOP OF CONCRETE ELEVATION NOTED ON PLAN.
  - FLOOR FLATNESS FOR CONCRETE OVER METAL DECK SHALL CONFORM TO ACH 17, UNLESS STRICTER REQUIREMENTS ARE SPECIFIED BY THE ARCHITECT. FLOOR FLATNESS FOR THE COMPLETE OVERALL FLOOR AREA SHALL MEET THE FOLLOWING MINIMUM VALUES:  
SPECIFIED OVERALL VALUE FOR FLATNESS (SOFF): 25  
MINIMUM LOCAL VALUE FOR FLATNESS (MLFF): 17
  - AREAS OF NON-COMPLIANCE SHALL BE REVIEWED BY THE OWNER AND ARCHITECT AND MAY REQUIRE ADDITIONAL FLOOR LEVELING OR GRINDING. THE COST OF ANY REMEDIAL ACTION SHALL BE BORNE BY THE CONTRACTOR.
- IN NO CASE SHALL THE DEPTH OF CONCRETE OVER METAL DECK BE LESS THAN THAT SPECIFIED ON PLAN. NOTE THAT THE CONCRETE DEPTH WILL VARY DUE TO DECK AND BEAM DEFLECTIONS DURING CONCRETE PLACEMENT, AND SHALL BE CONSIDERED IN THE ESTIMATING OF CONCRETE VOLUME, COST AND PLACEMENT STRATEGIES.

DETAIL 11  
PS-S-9.2

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NO.	REVISION	DATE

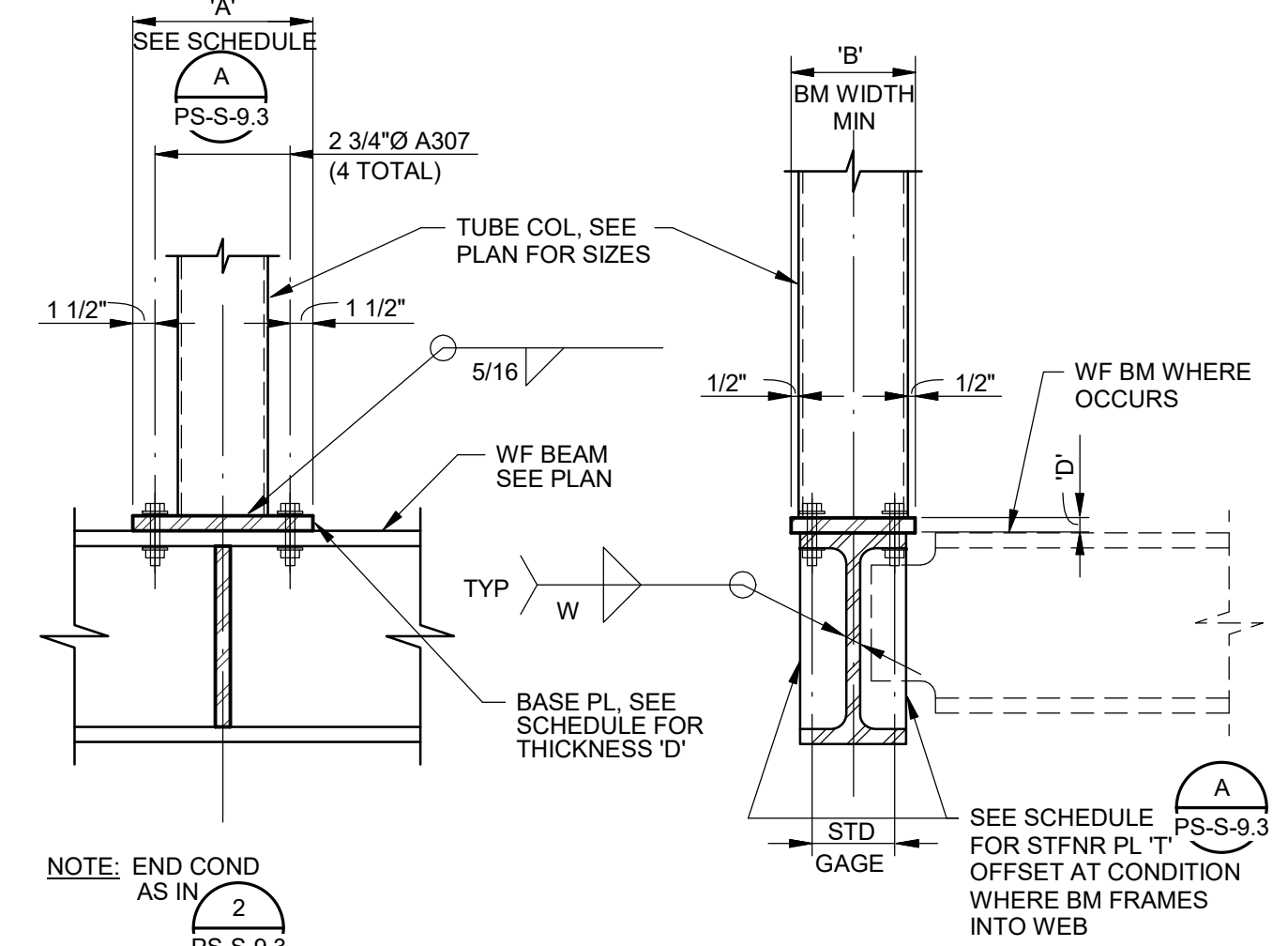
PROJECT NO.: 2017.033  
DATE: 04-16-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY:  
SHEET TITLE: STEEL DECK DETAILS

SHEET NUMBER:  
**PS-S-9.2**  
18-0565 D 26 of 30

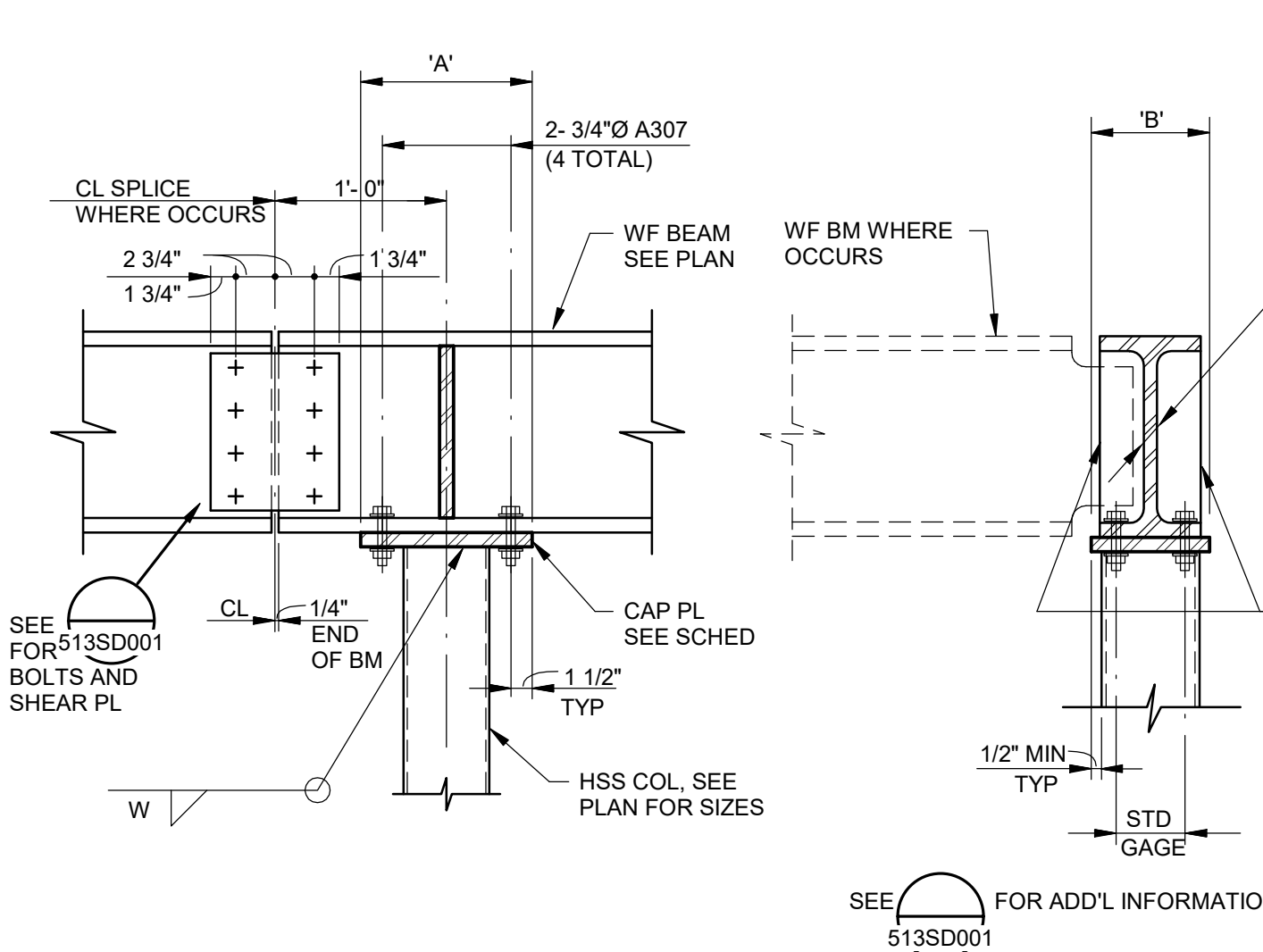
**A CONNECTION SCHEDULE**

HSS COLUMN SIZE	STFNR PL TYP	W	BASE PL			
			'A'	'B'	'C'	'D'
3"x3"	1/4"	3/16"	11"	4"	7 1/2"	1/2"
4"x4"	1/4"	1/4"	12"	5"	8 1/2"	5/8"
5"x5"	3/8"	1/4"	13"	6"	9 1/2"	3/4"
6"x6"	3/8"	1/4"	14"	7"	10 1/2"	3/4"
7"x7"	1/2"	1/4"	15"	8"	11 1/2"	3/4"
8"x8"	3/4"	5/16"	15"	9"	12 1/2"	7/8"
10"x10"	3/4"	5/16"	16"	11"	14 1/2"	1"

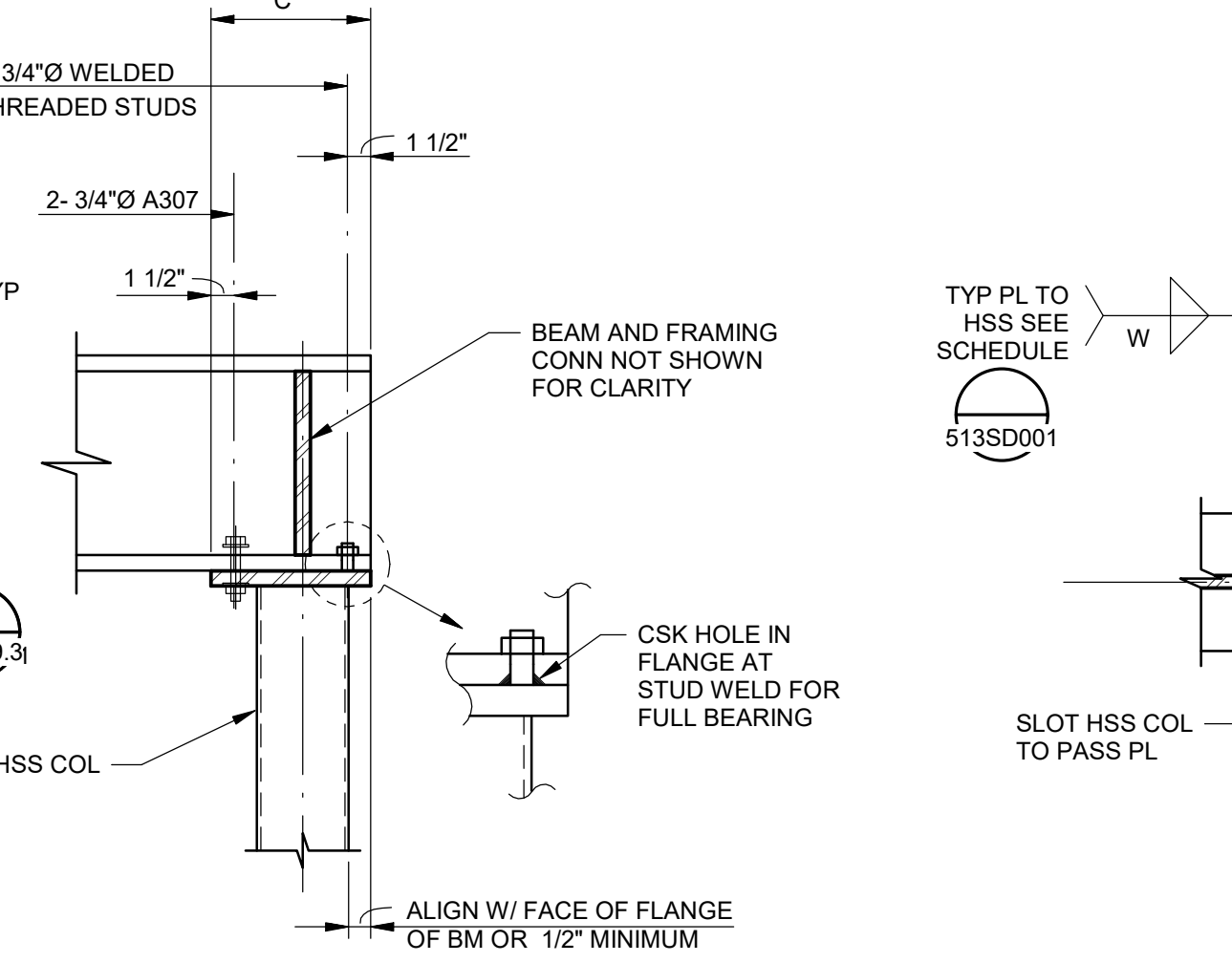
- NOTES:
- USE PL "T" FOR LARGEST HSS COLUMN AT CONNECTION
  - 'B' INDICATES THE MINIMUM WIDTH. USE THE GREATER WIDTH OF THE BEAM FLANGE OR THE MINIMUM INDICATED.
  - WHERE BEAM FRAMES INTO COLUMN AT WEB STIFFENER PL. SEE 4 2 1 FOR ADDL REQS.



**DETAIL 1**  
HSS ABOVE TO TRANSFER BEAM BELOW



**DETAIL 2**  
BEAM OVER HSS COLUMN

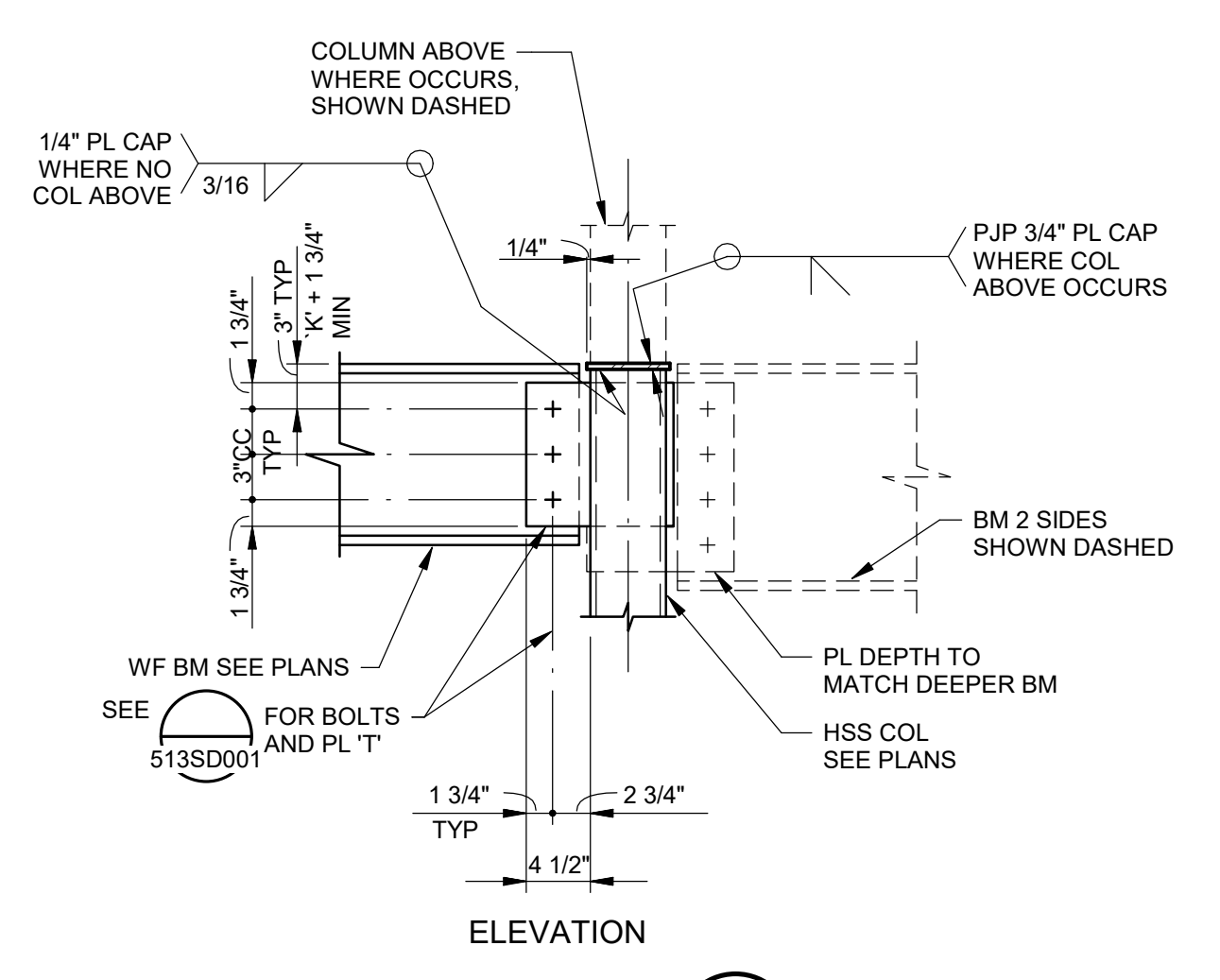


**DETAIL 3**  
BEAM TWO SIDES

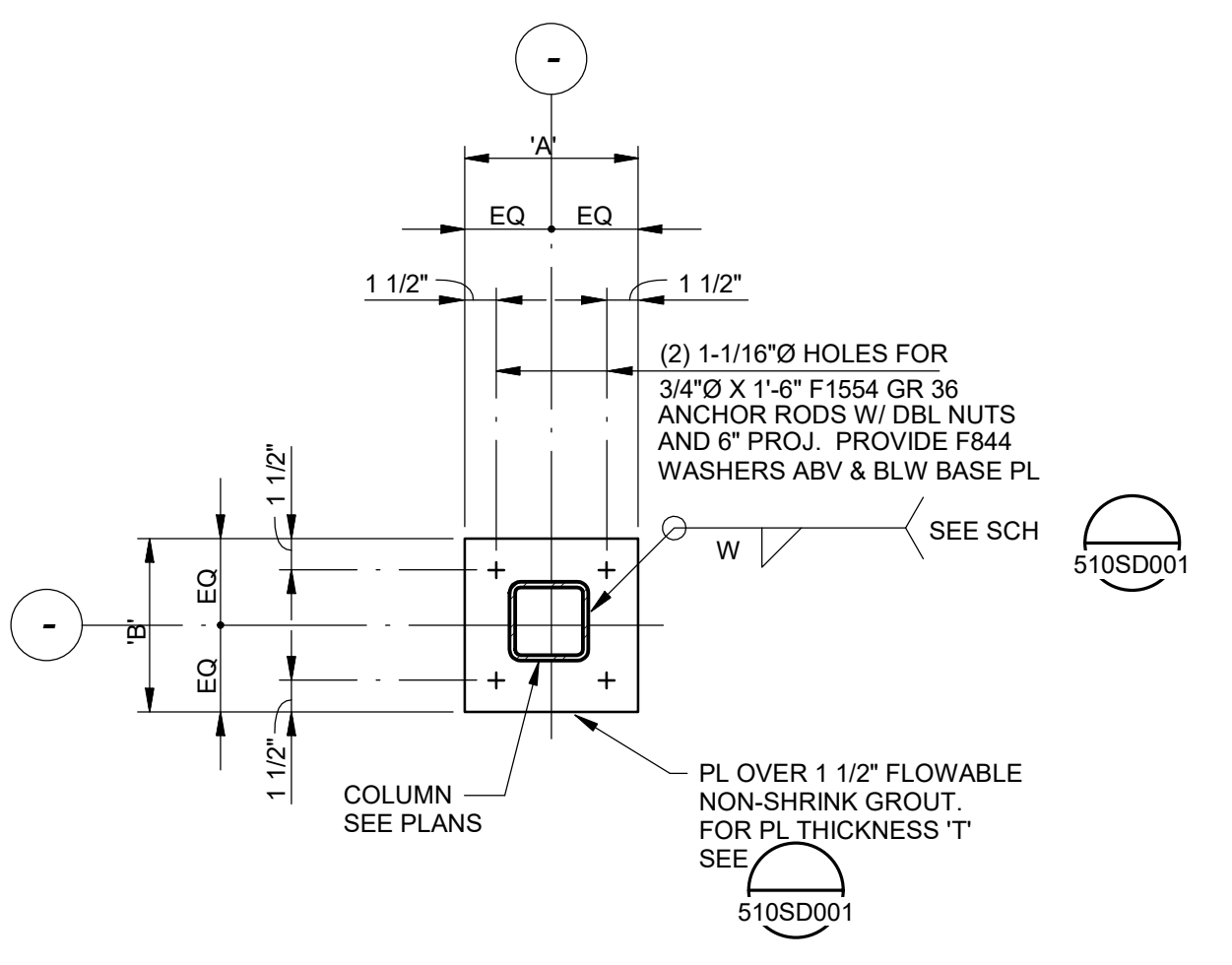
**B BASE PLATE SCHEDULE**

COLUMN SIZE	BASE PLATE SIZE						CAPACITY
	'T'	'A'	'B'	'C'	'D'	'E'	
3x3	5/8"	9"	9"	3 1/2"	2"	7"	-
4x4	5/8"	10"	10"	5"	2 1/2"	7 1/2"	-
5x5	1 1/4"	11"	11"	5 1/2"	3"	8"	-
6x6	1 1/4"	12"	12"	7"	3 1/2"	8 1/2"	-
7x7	1 1/4"	13"	13"	8"	4"	9"	-
8x8	1 1/4"	14"	14"	9"	4 1/2"	9 1/2"	-
10x10	1 1/2"	16"	16"	11"	5 1/2"	10 1/2"	-
12x12	1 1/2"	18"	18"	13"	6 1/2"	11 1/2"	-

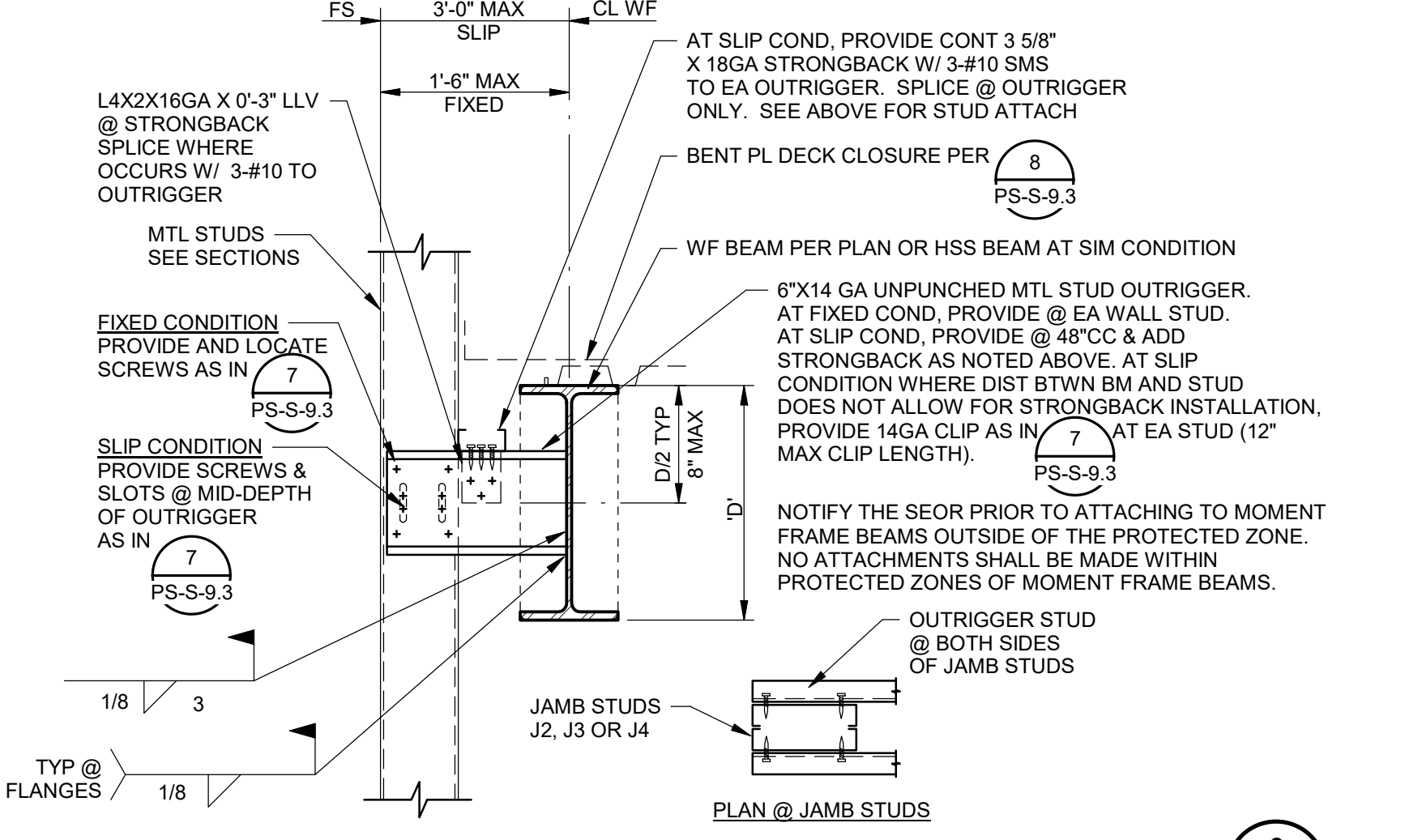
- NOTES:
- WELD 'W' SHALL BE 1/4" AT BASE PLATES 3/4" AND LESS, 5/16" AT BASE PLATES GREATER THAN 3/4".



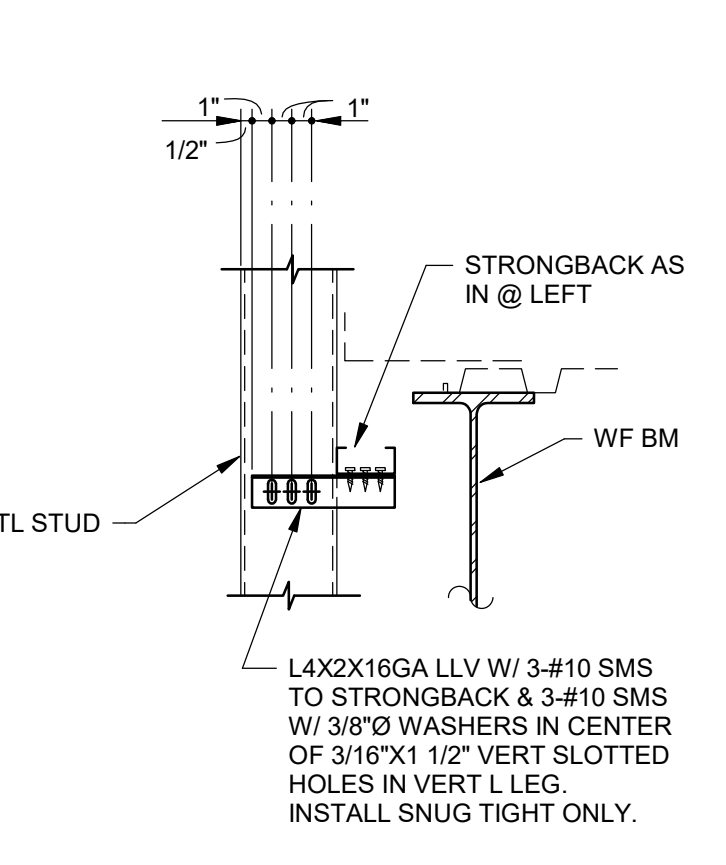
**DETAIL 4**  
ELEVATION



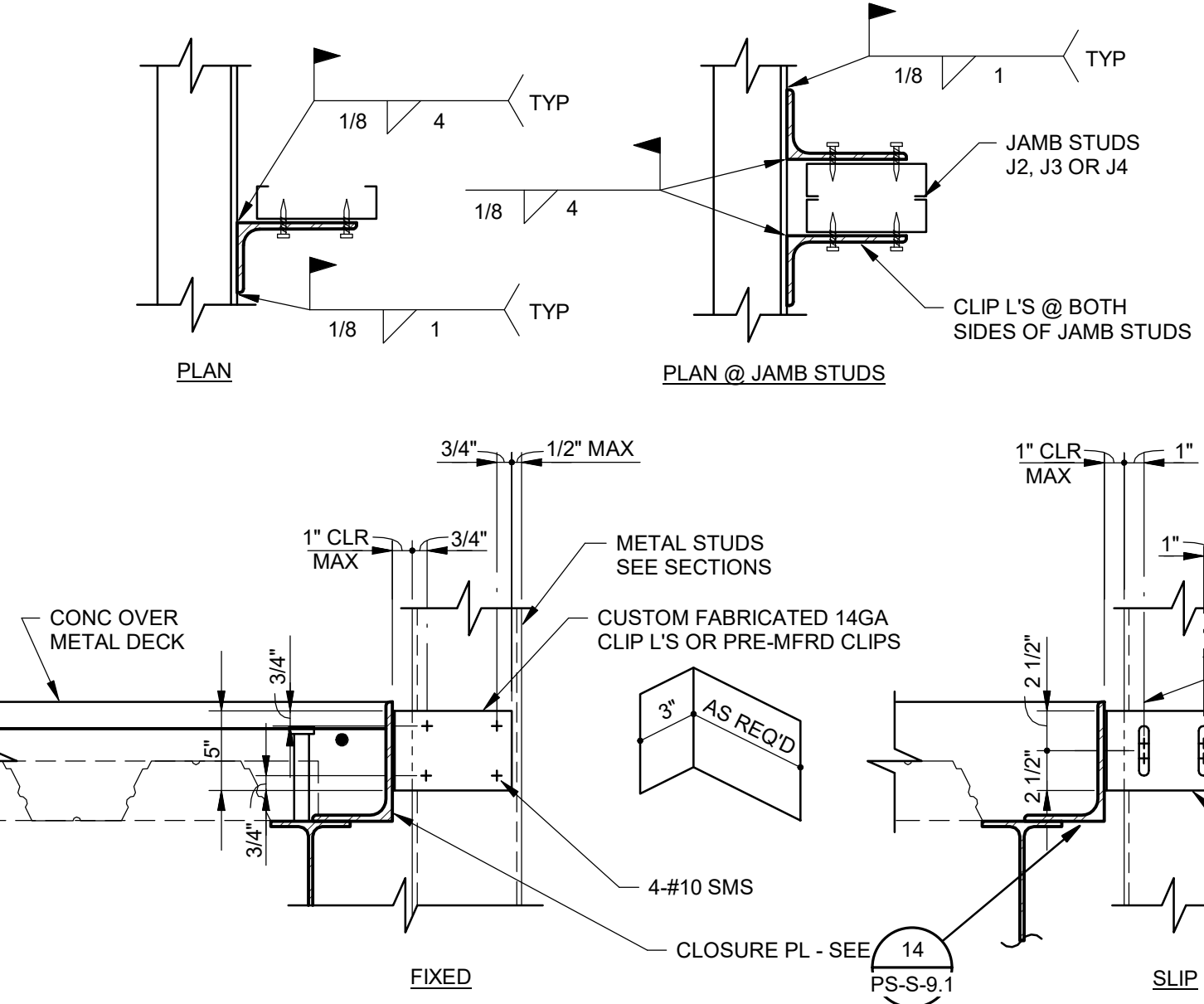
**DETAIL 5**  
PLAN



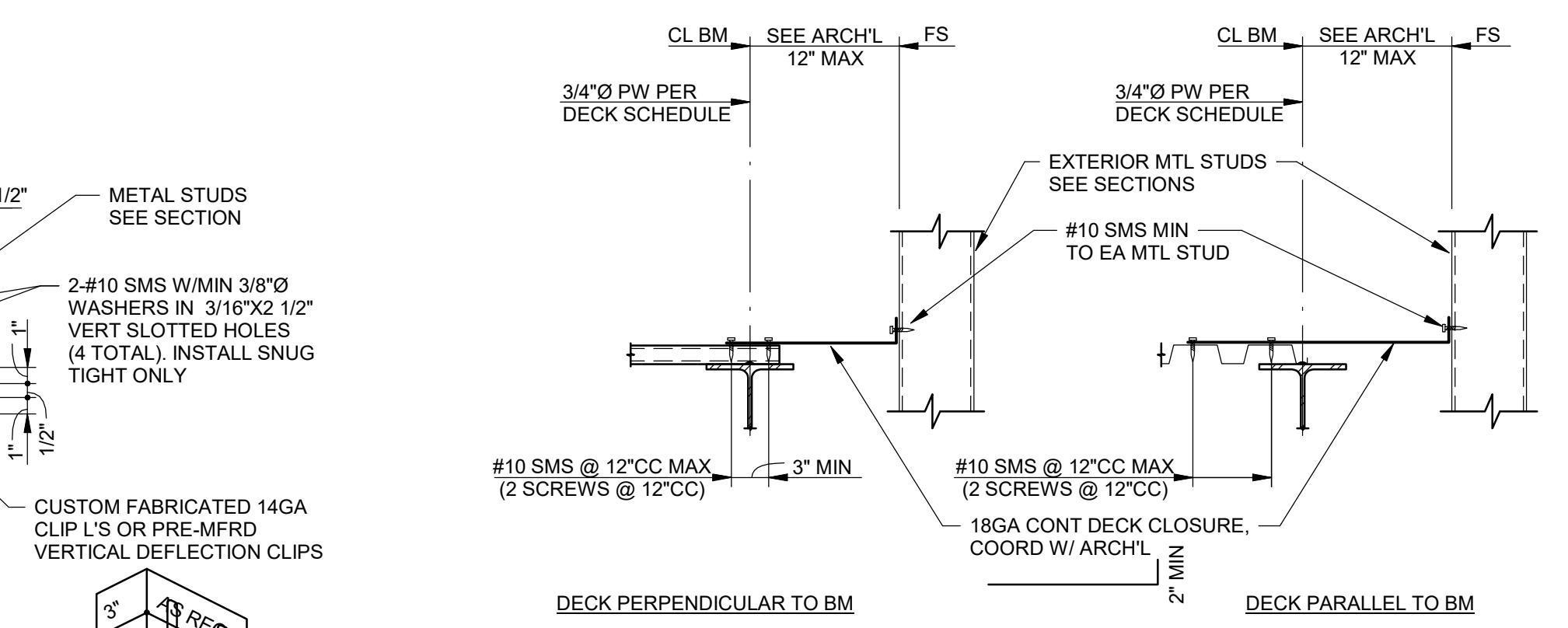
**DETAIL 6**  
PLAN @ JAMB STUDS



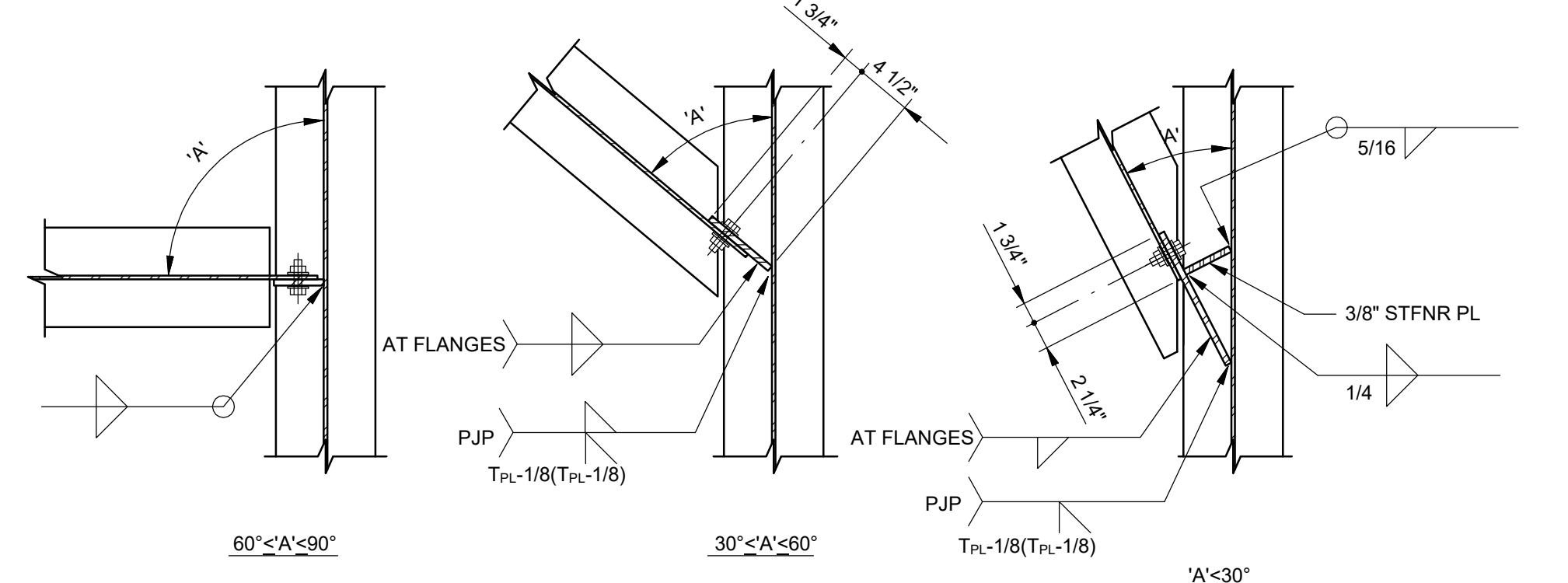
**DETAIL 7**  
STRONGBACK CONNECTION @ INTERMEDIATE STUDS



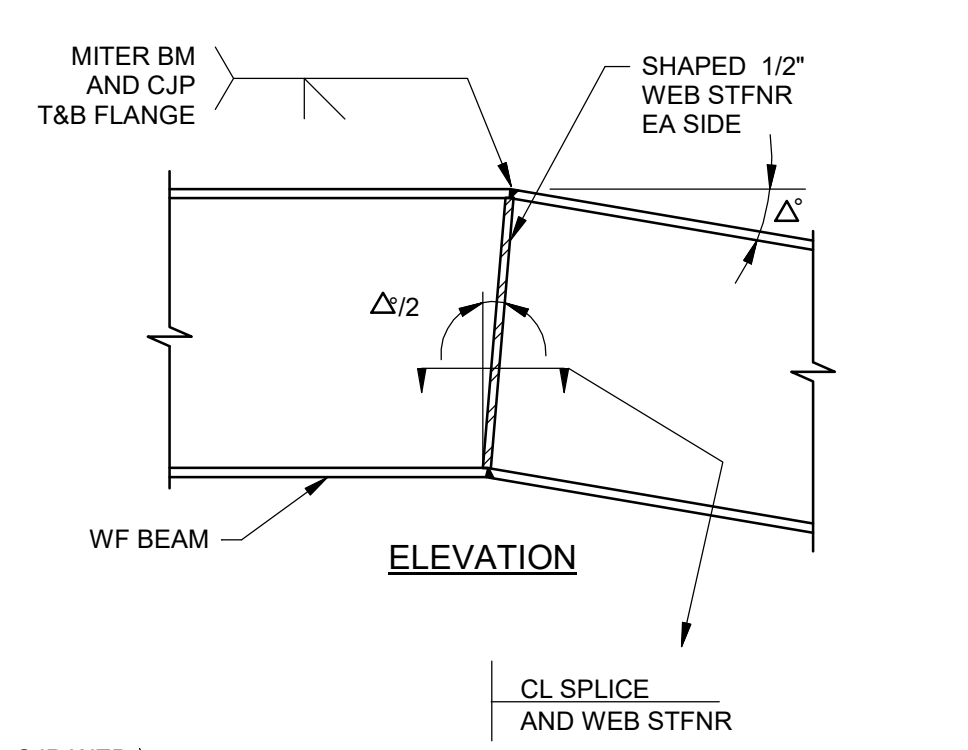
**DETAIL 7**  
FIXED and SLIP



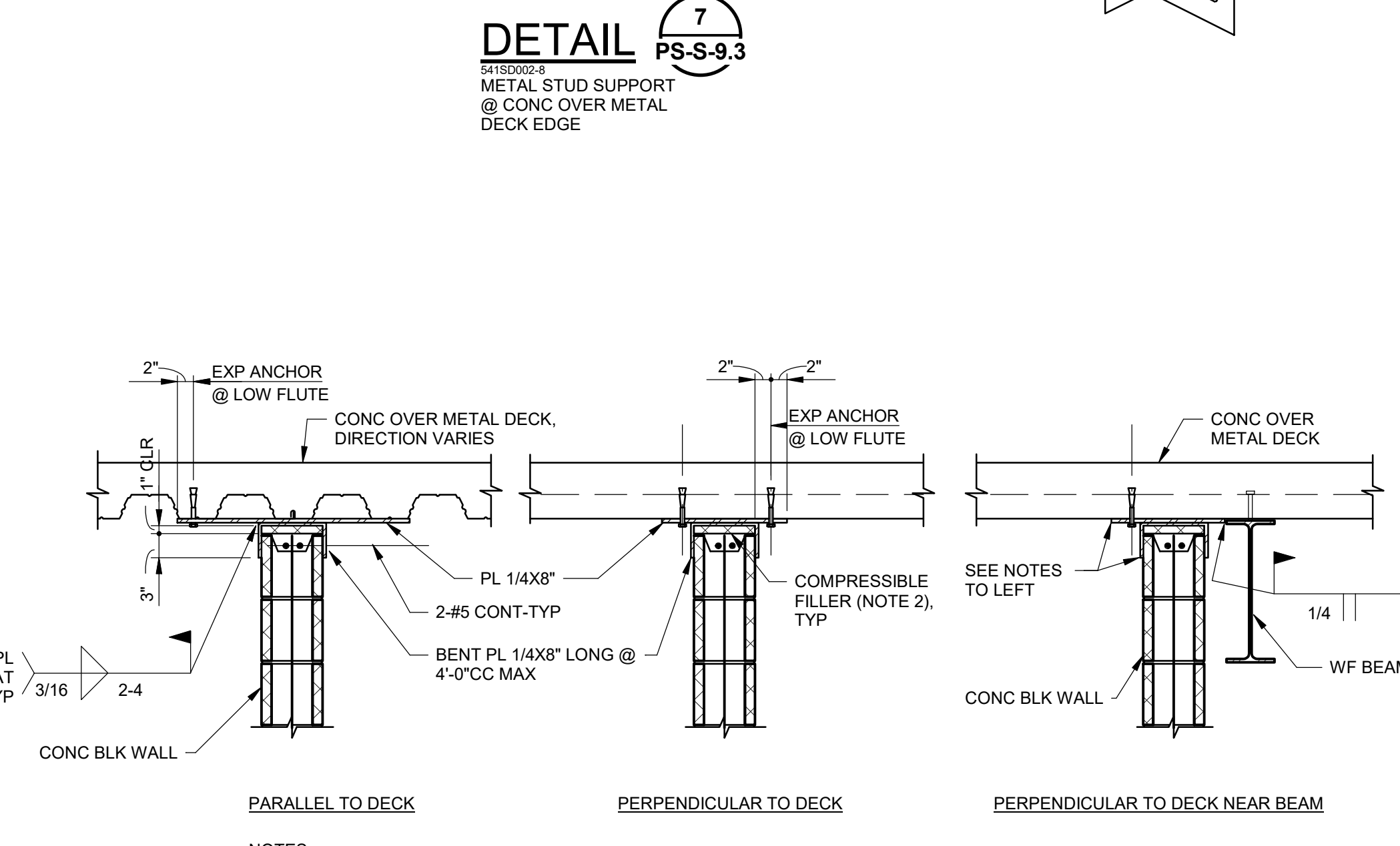
**DETAIL 8**  
DECK PERPENDICULAR TO BM and DECK PARALLEL TO BM



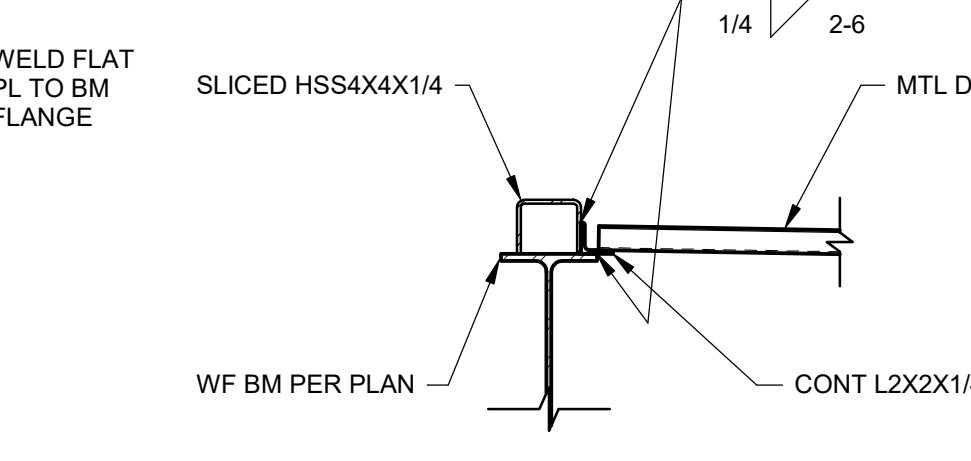
**DETAIL 9**  
AT FLANGES



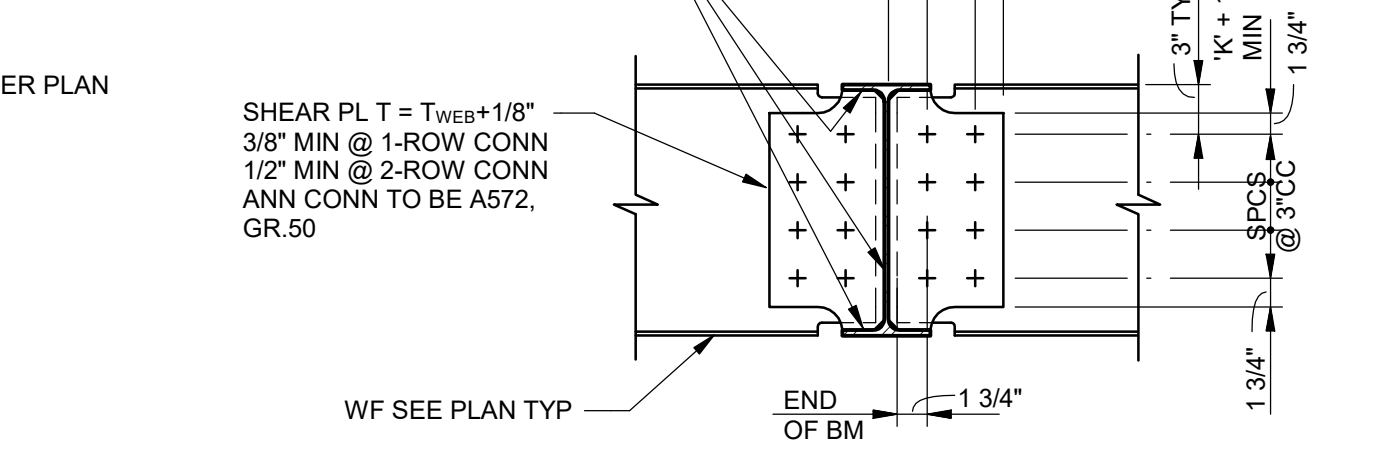
**DETAIL 10**  
PLAN



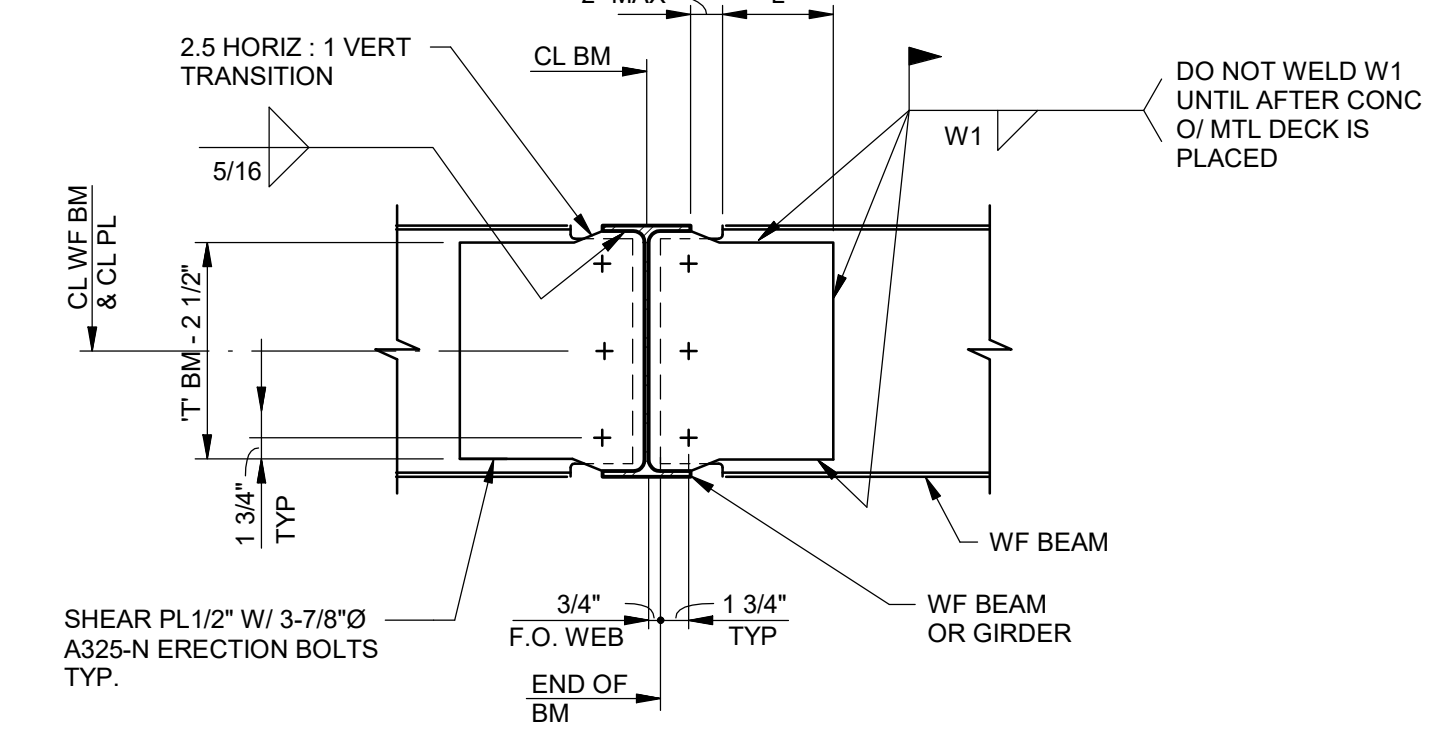
**DETAIL 11**  
NON-BEARING MASONRY PARTITION



**DETAIL 12**  
WF BEAM PER PLAN



**DETAIL 13**  
WF BEAM OR GIRDER

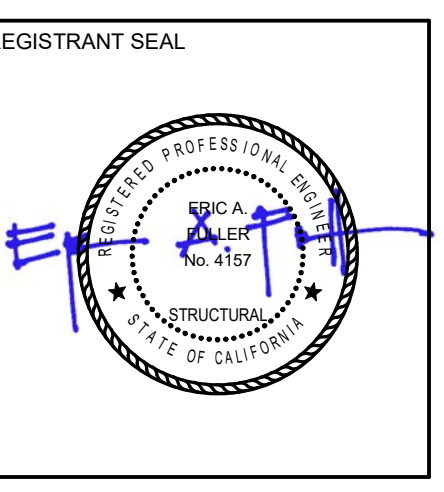


**DETAIL 14**  
WELDED SEISMIC TIE @ WF BEAM OR GIRDER

WF SIZE	PL LENGTH 'L'	W1	# OF ERECTION BOLTS
W16	12"	5/16"	3

**DETAIL 14**  
WELDED SEISMIC TIE @ WF BEAM OR GIRDER

**C/S BUILDERS**  
C/S BROWARD BUILDERS  
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Roseville, California 95678  
Telephone: (916) 538-7707  
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**EL DORADO PUBLIC SAFETY FACILITY**  
**PUBLIC SAFETY BUILDING & SITE**  
200 INDUSTRIAL DRIVE  
DIAMOND SPRINGS, CA 95619



NO.	REVISION	DATE

PROJECT NO.: 2017.033  
DATE: 04-16-2018  
DESIGNED BY: Designer  
DRAWN BY: Author  
APPROVED BY: \_\_\_\_\_  
SHEET TITLE: DETAILS

SHEET NUMBER:  
**PS-S-9.3**

18-0565 D 27 of 30

**B&B**  
Buehler & Buehler  
Structural Engineers, Inc.  
600 Q Street, Suite 200, Sacramento, CA 95811  
916.443.3253 Fax: 916.443.2132  
Sacramento, Phoenix, San Francisco  
Los Angeles, Silicon Valley

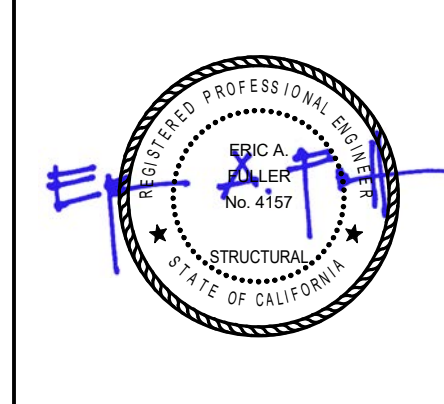
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C/S  
BUILDERS

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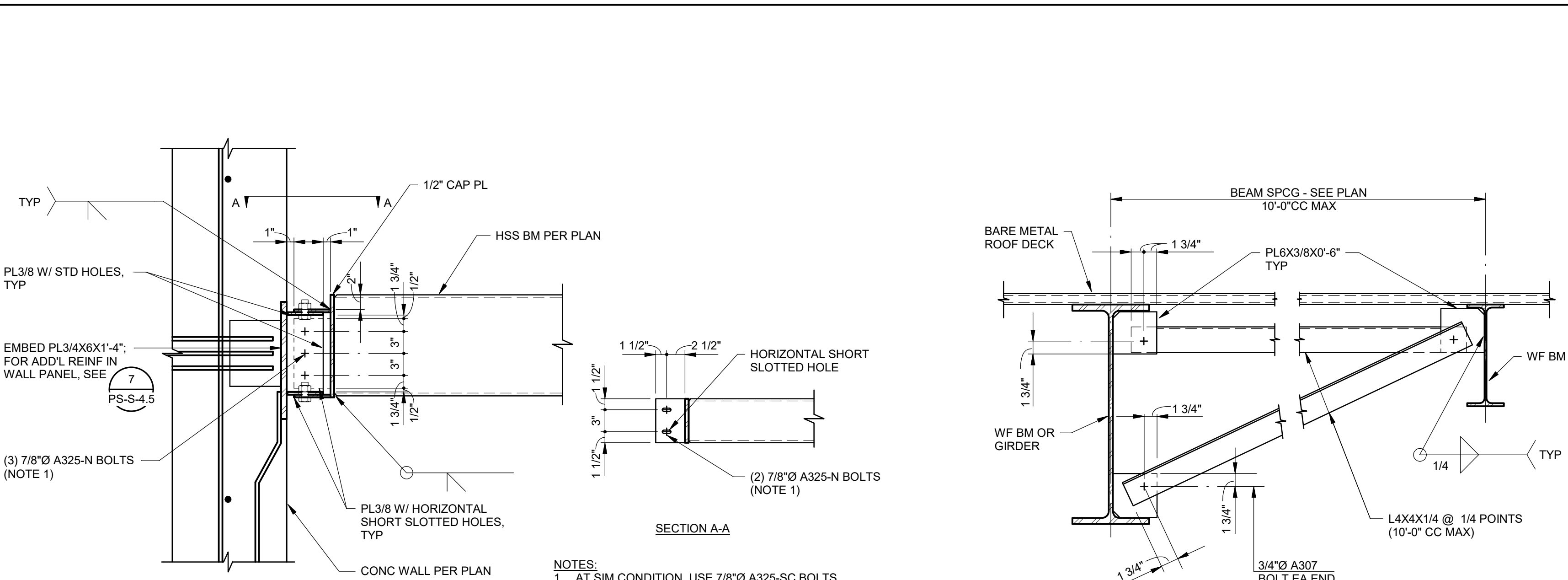
EL DORADO PUBLIC SAFETY FACILITY  
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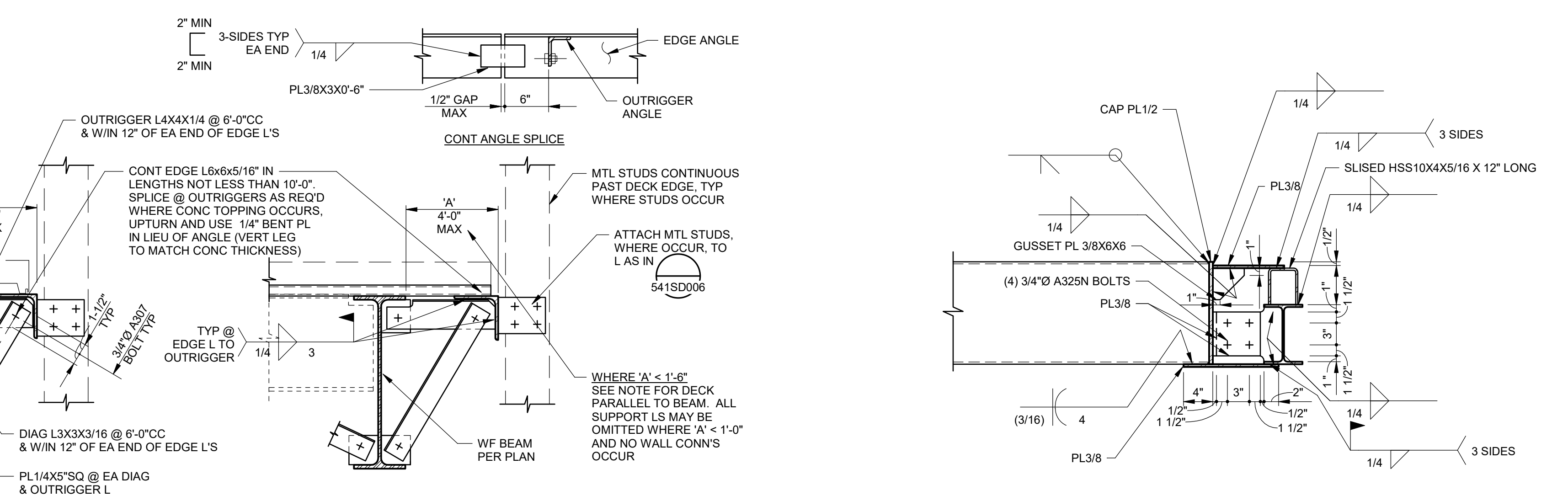
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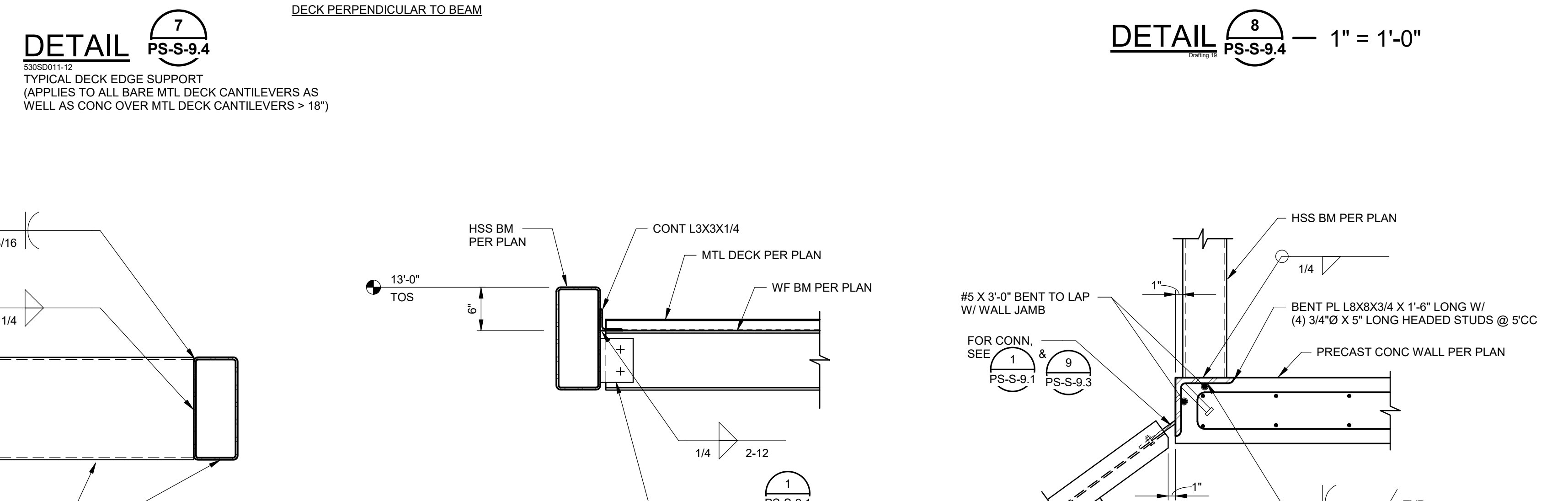
SHEET NUMBER:  
**PS-S-9.4**



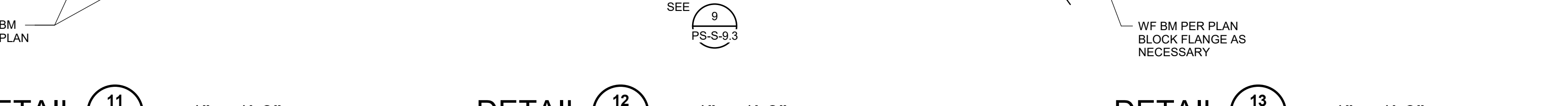
DETAIL **3** PS-S-9.4 — 1" = 1'-0"



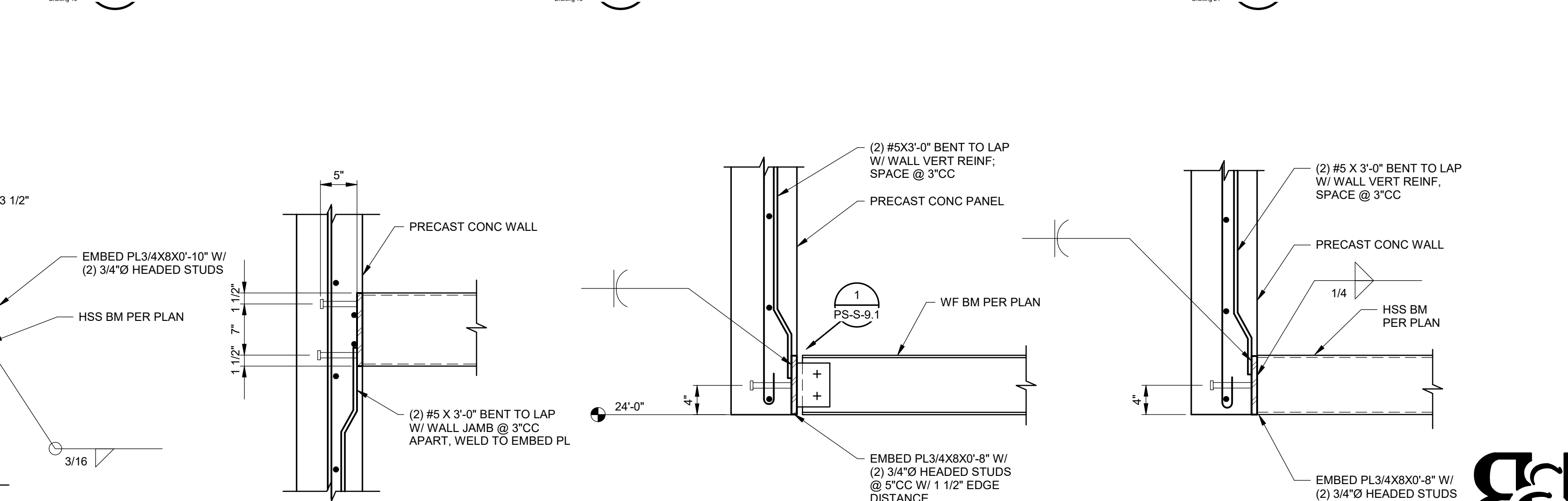
DETAIL **4** PS-S-9.4 — 1" = 1'-0"



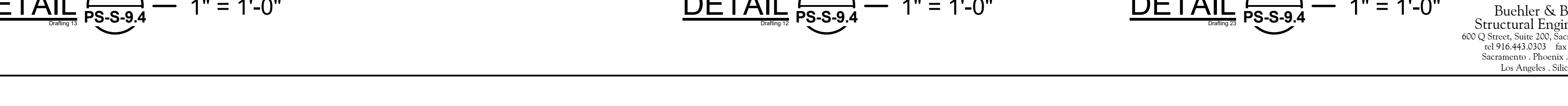
DETAIL **7** PS-S-9.4 — 1" = 1'-0"



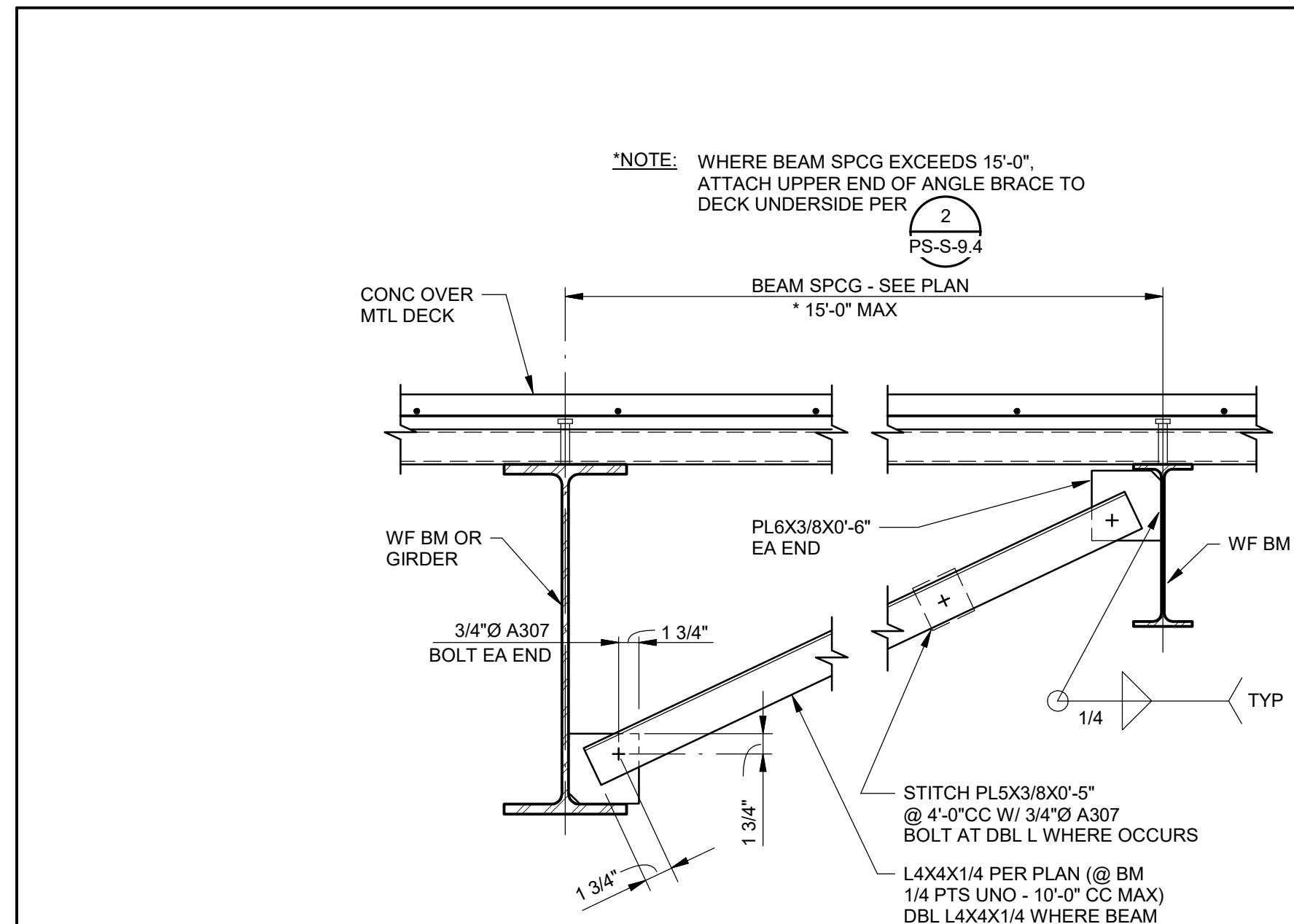
DETAIL **12** PS-S-9.4 — 1" = 1'-0"



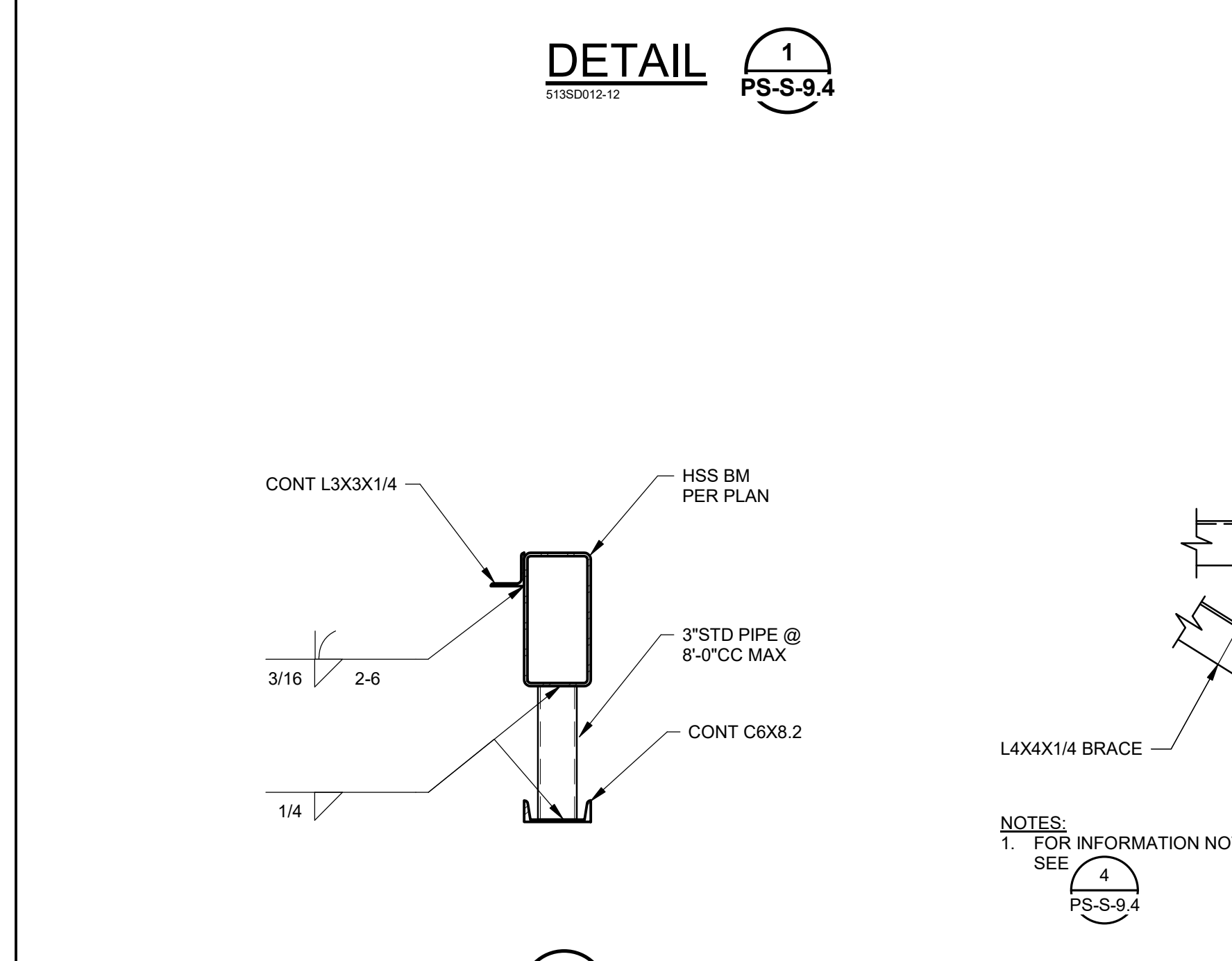
DETAIL **16** PS-S-9.4 — 1" = 1'-0"



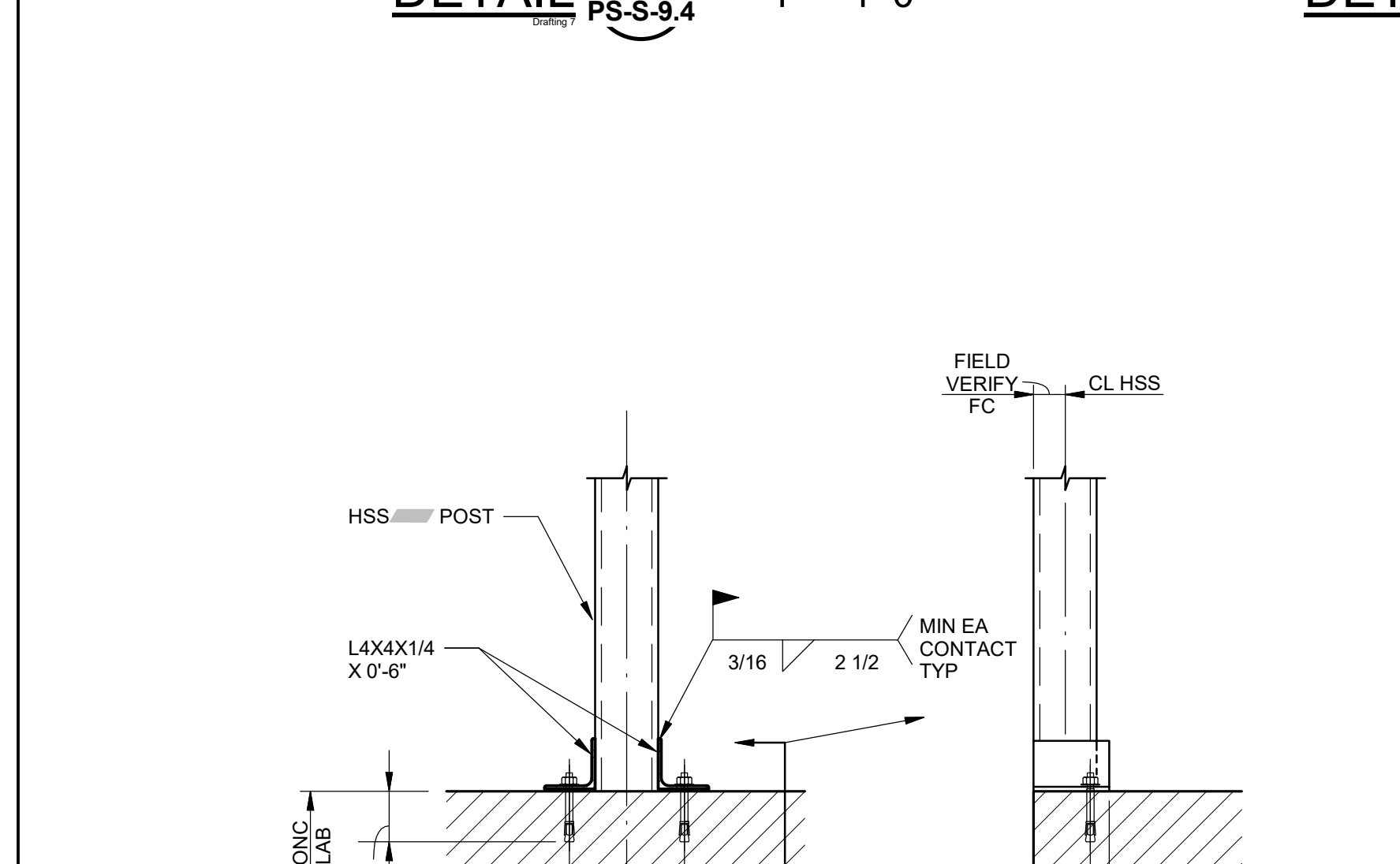
DETAIL **17** PS-S-9.4 — 1" = 1'-0"



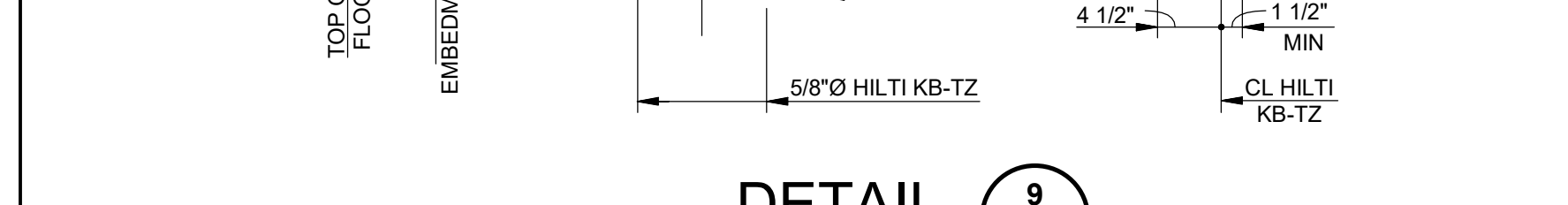
DETAIL **1** PS-S-9.4 — 1" = 1'-0"



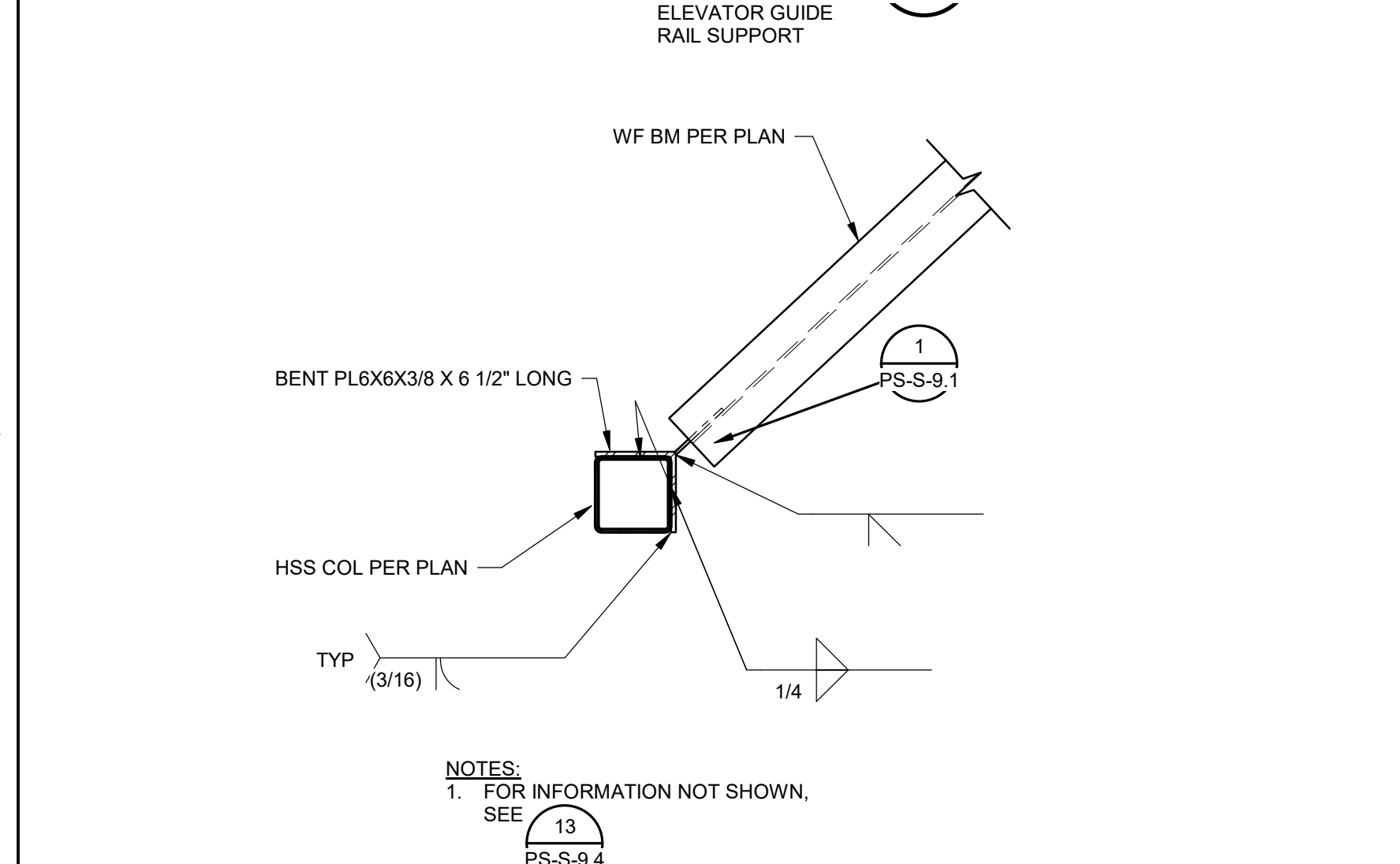
DETAIL **2** PS-S-9.4 — 1" = 1'-0"



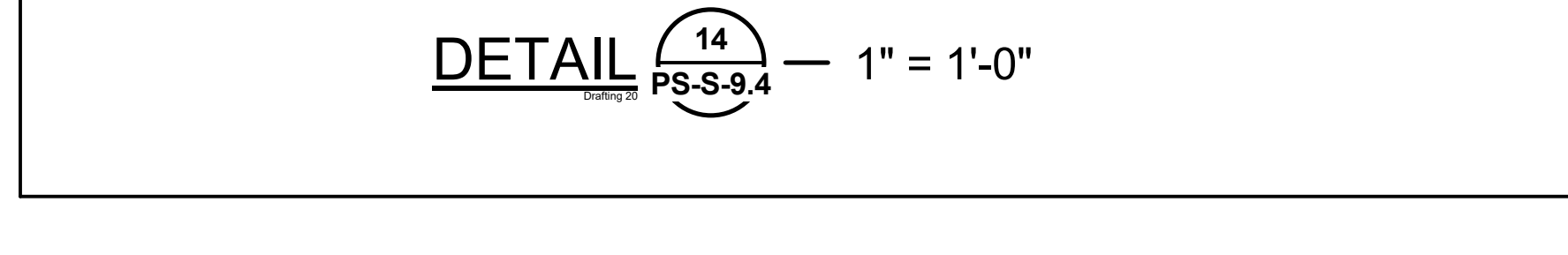
DETAIL **5** PS-S-9.4 — 1" = 1'-0"



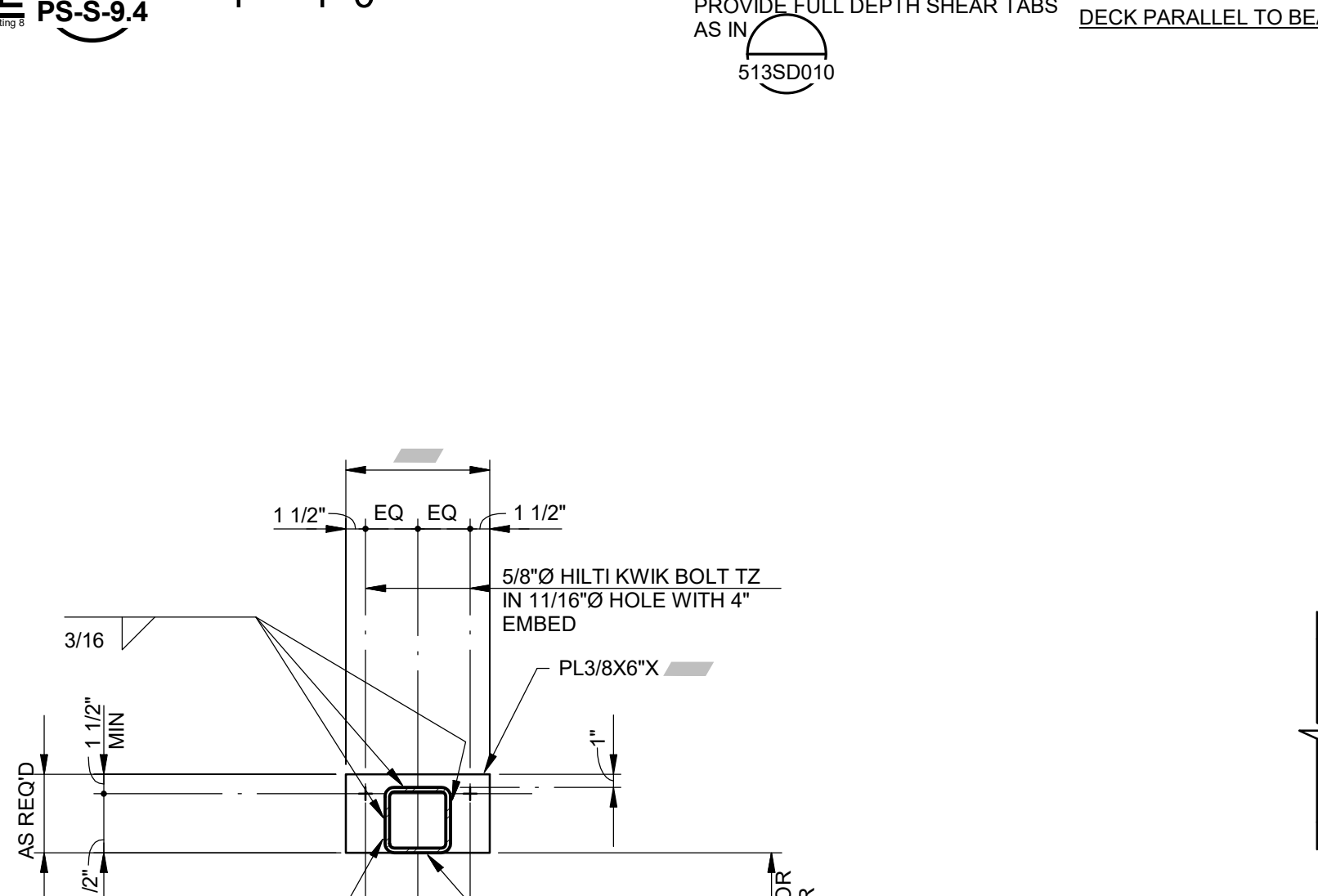
DETAIL **6** PS-S-9.4 — 1" = 1'-0"



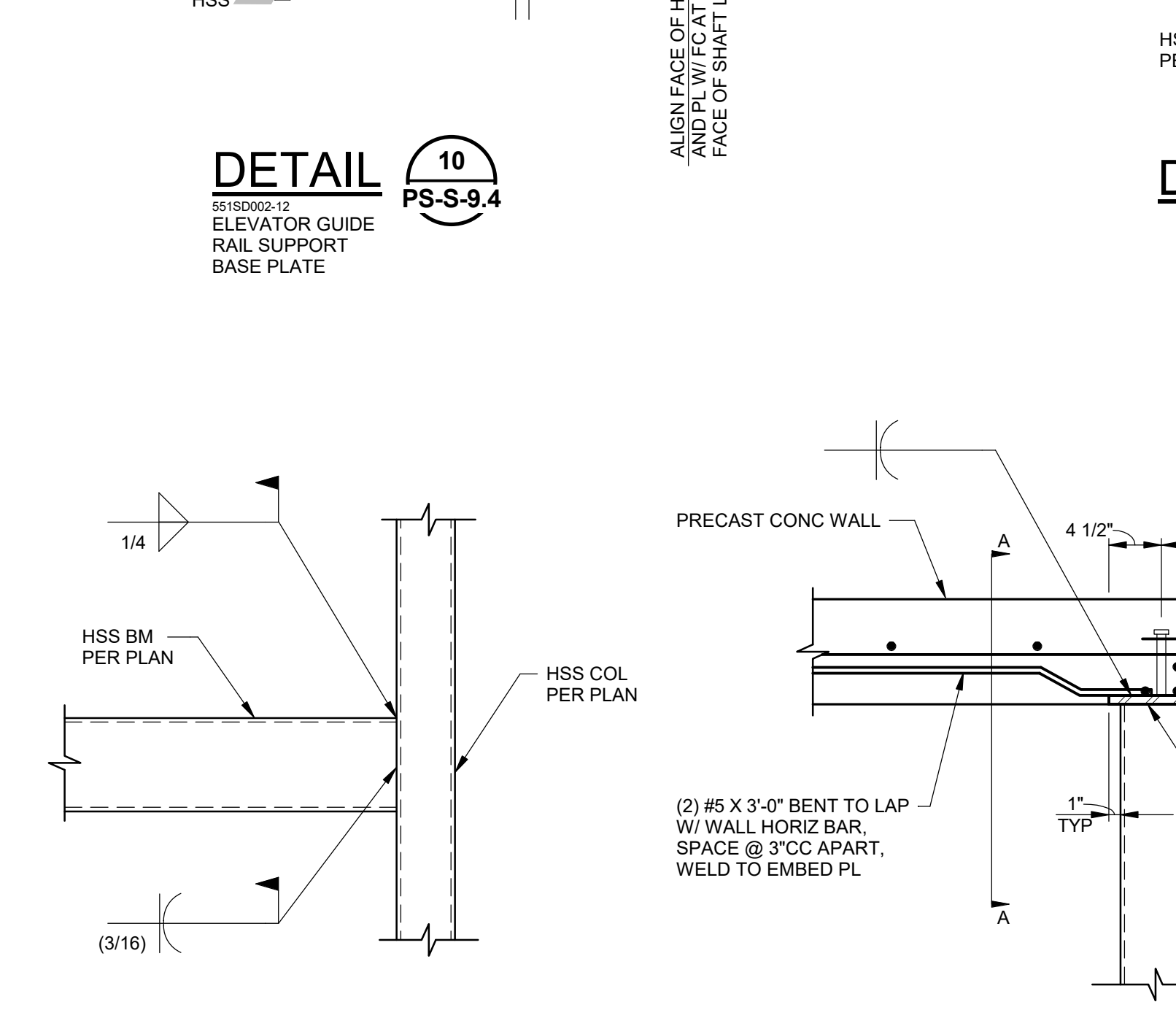
DETAIL **9** PS-S-9.4 — 1" = 1'-0"



DETAIL **14** PS-S-9.4 — 1" = 1'-0"



DETAIL **10** PS-S-9.4 — 1" = 1'-0"

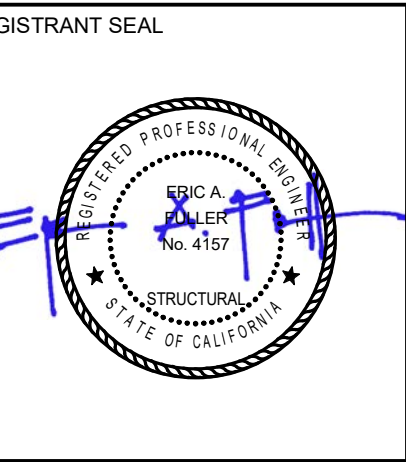


DETAIL **15** PS-S-9.4 — 1" = 1'-0"

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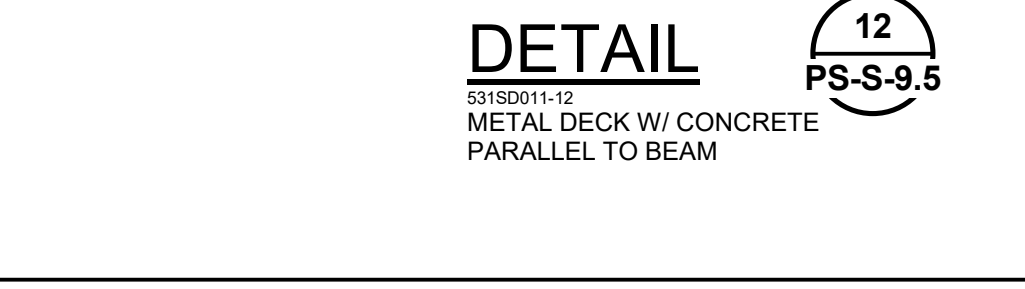
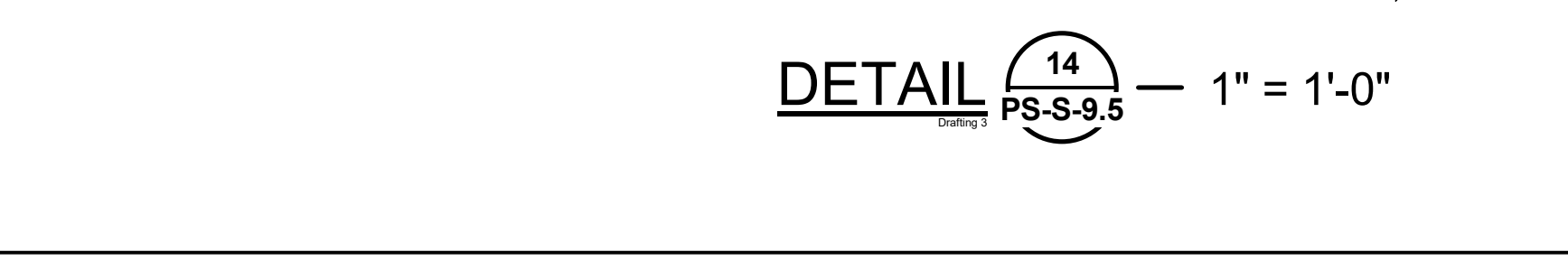
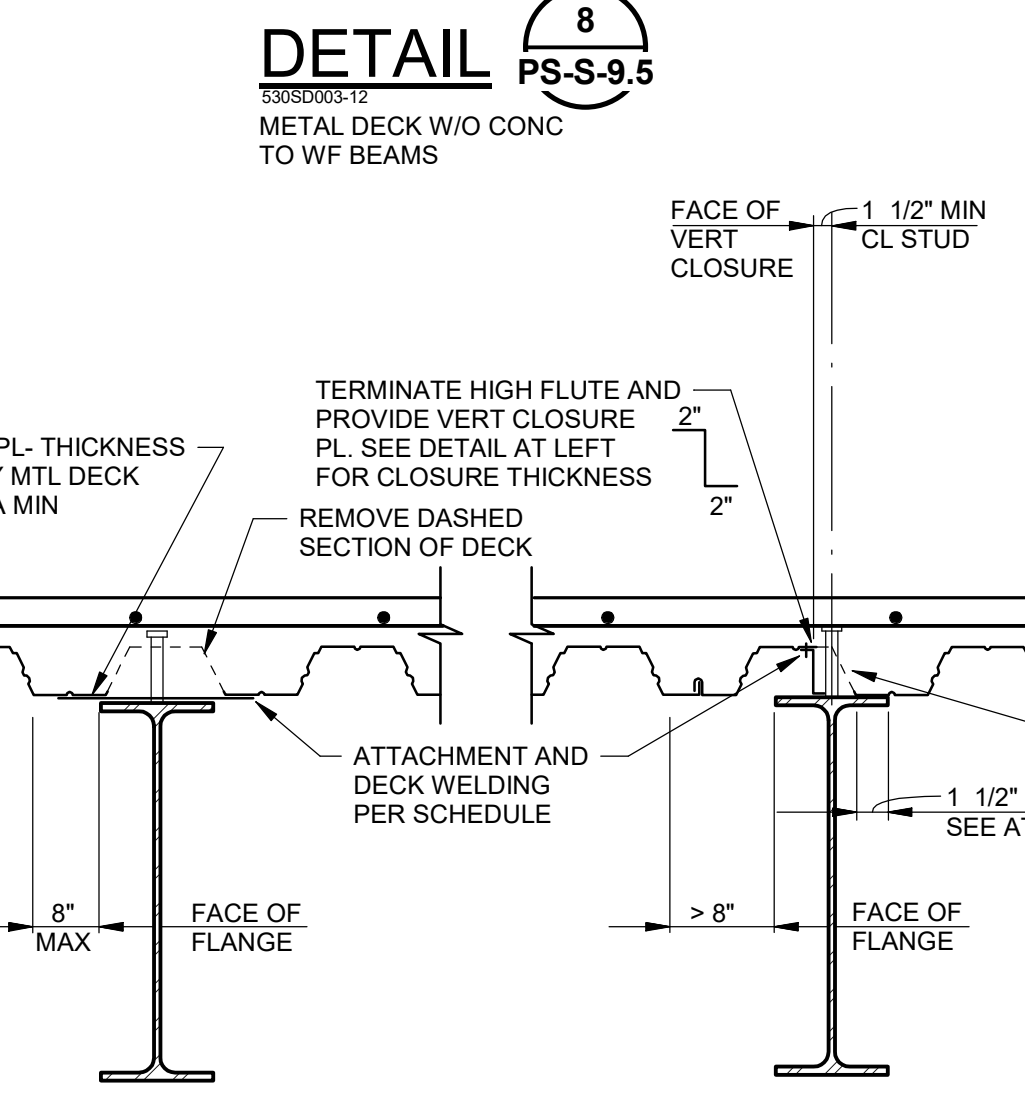
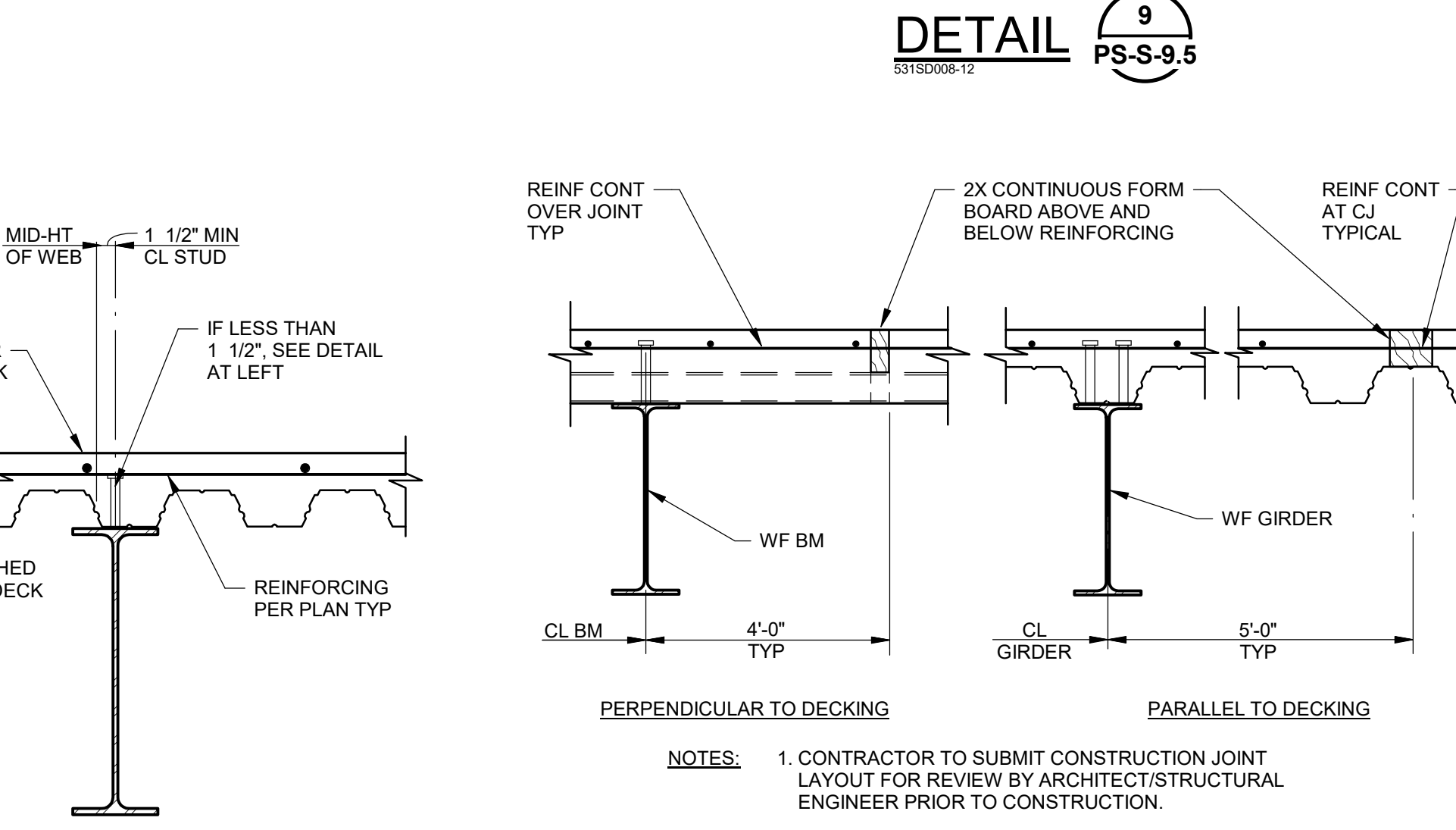
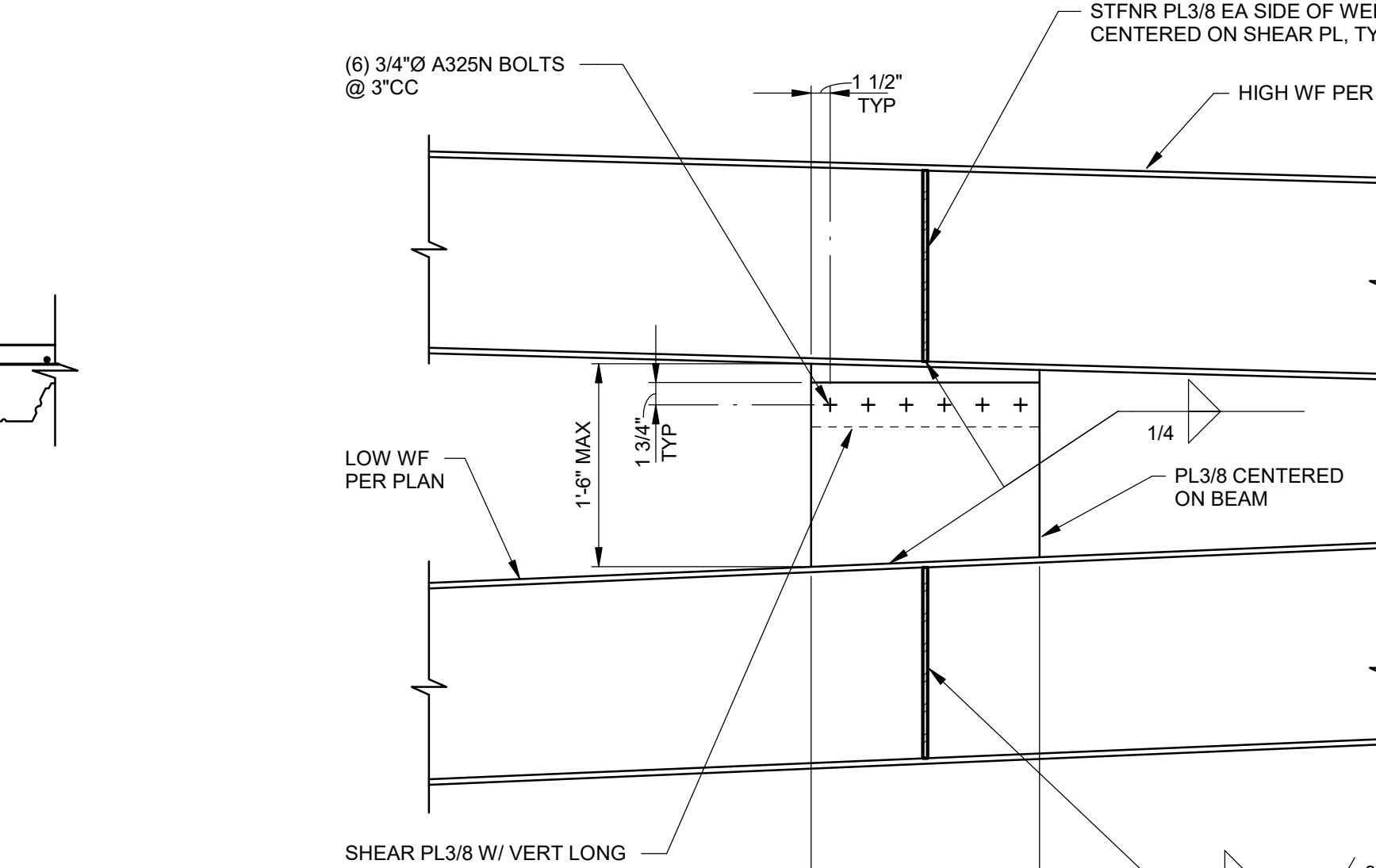
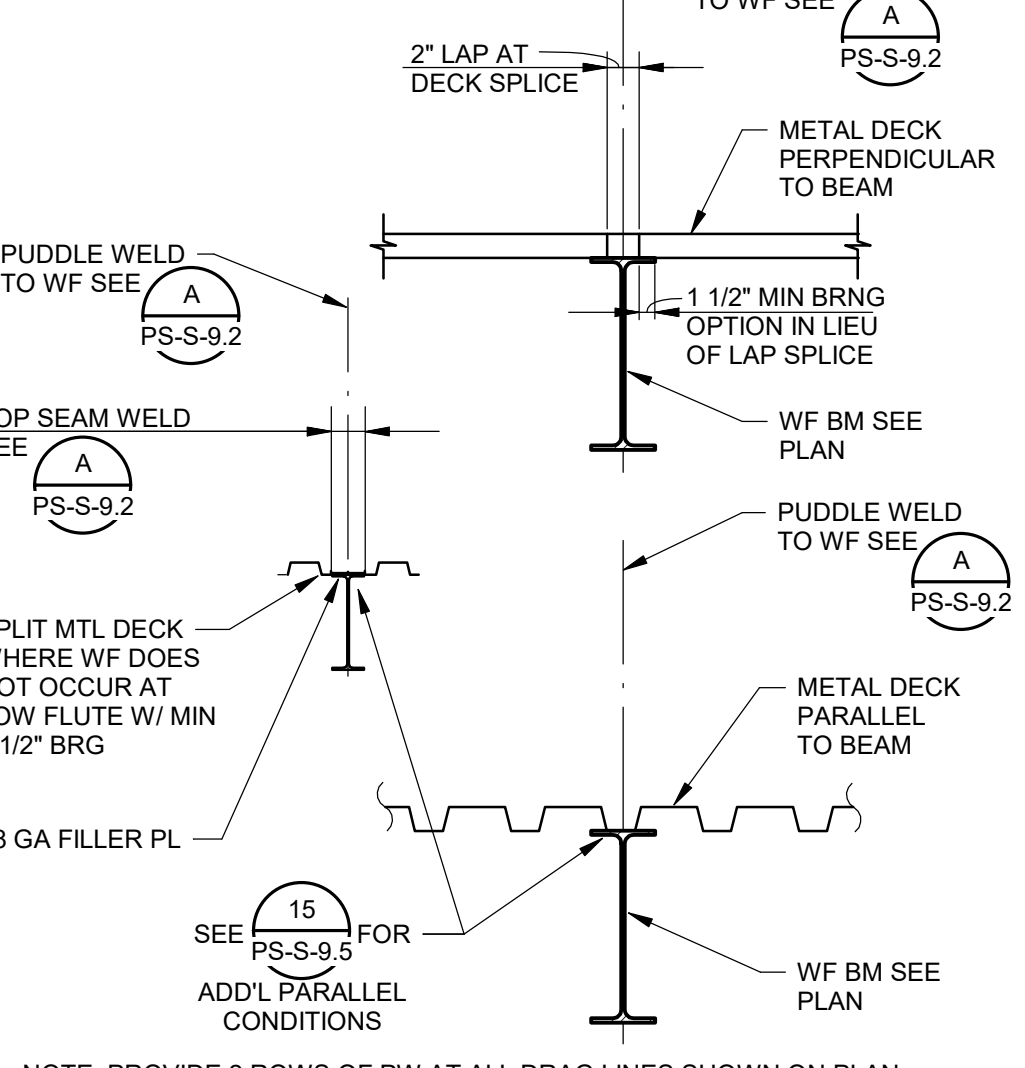
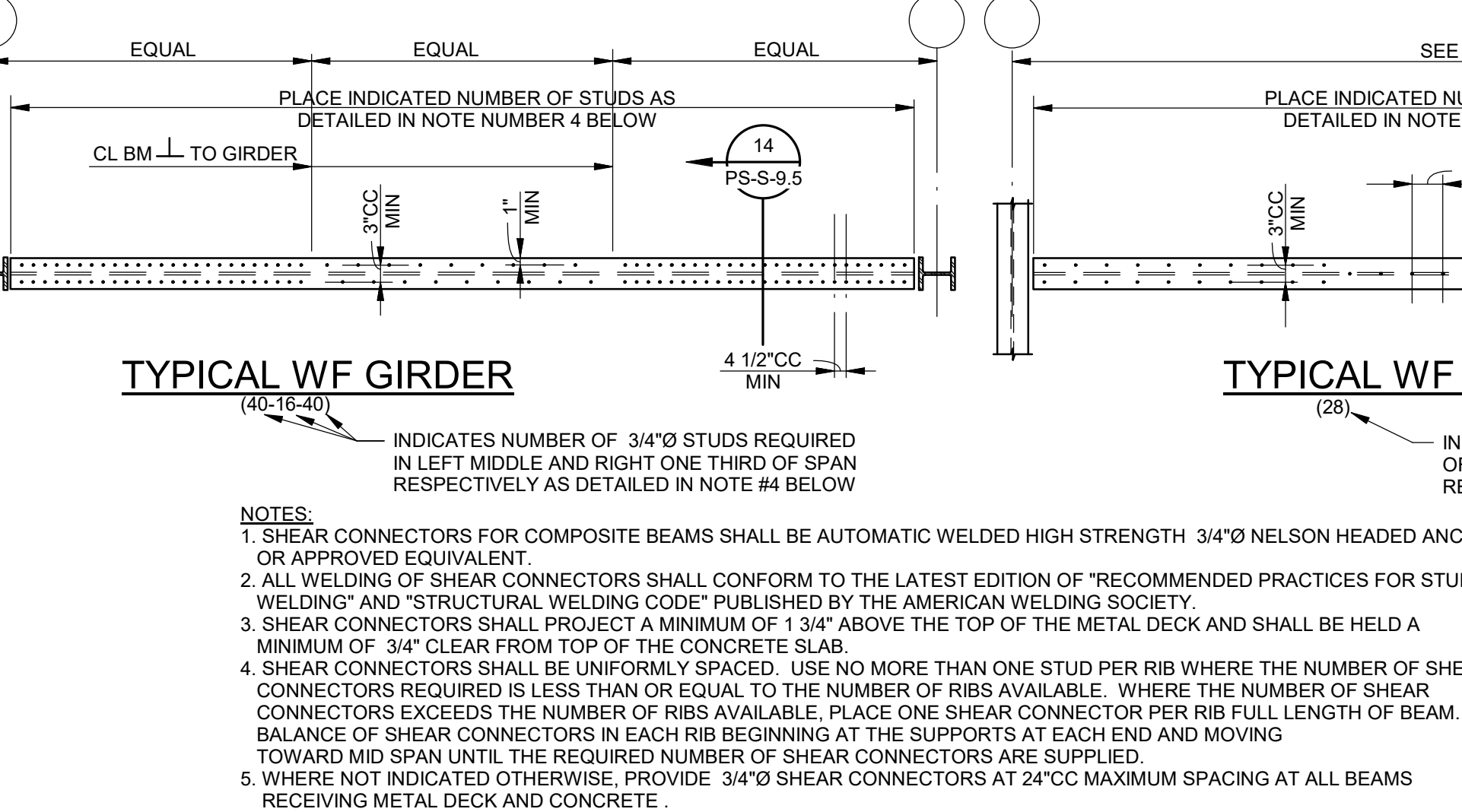
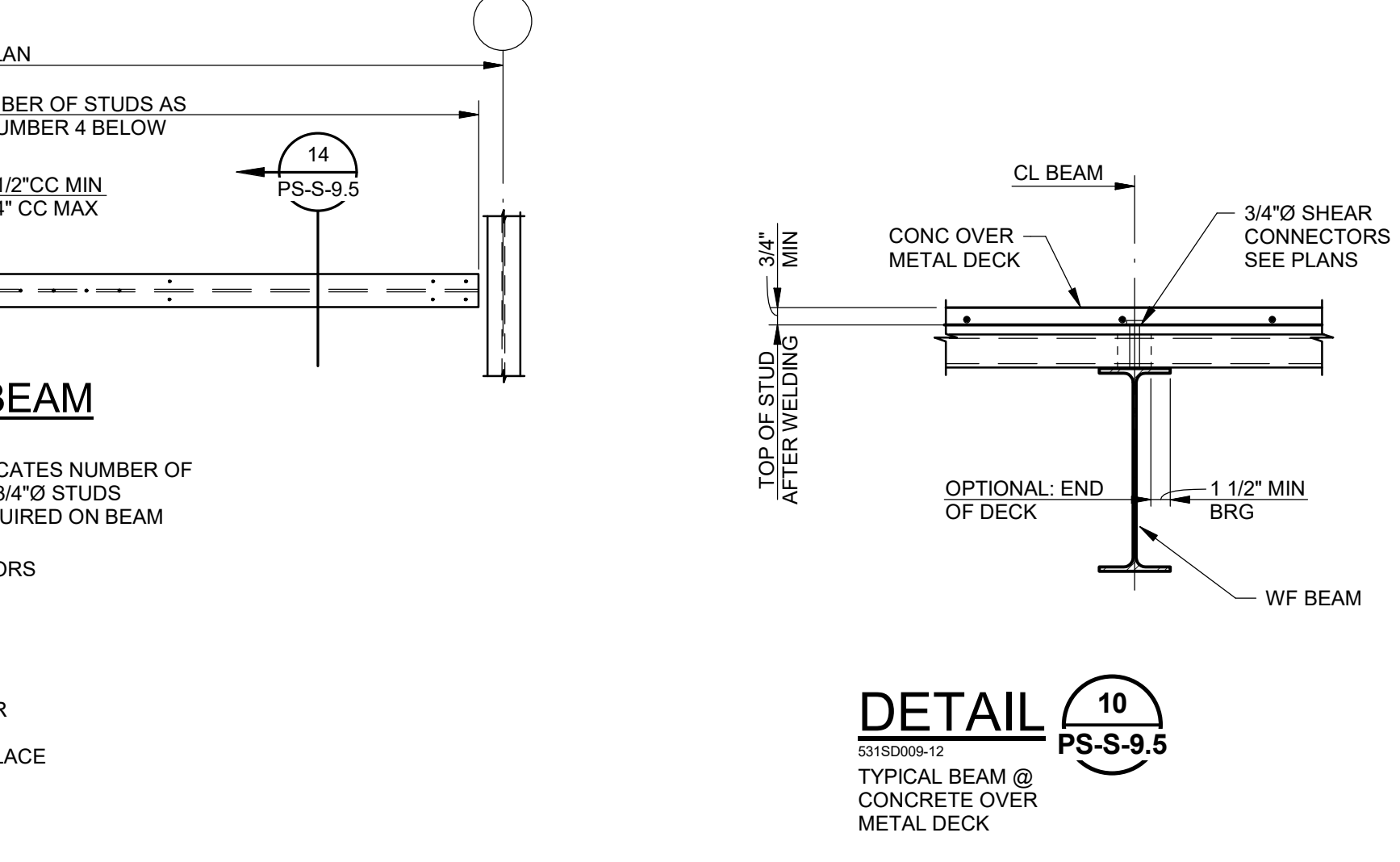
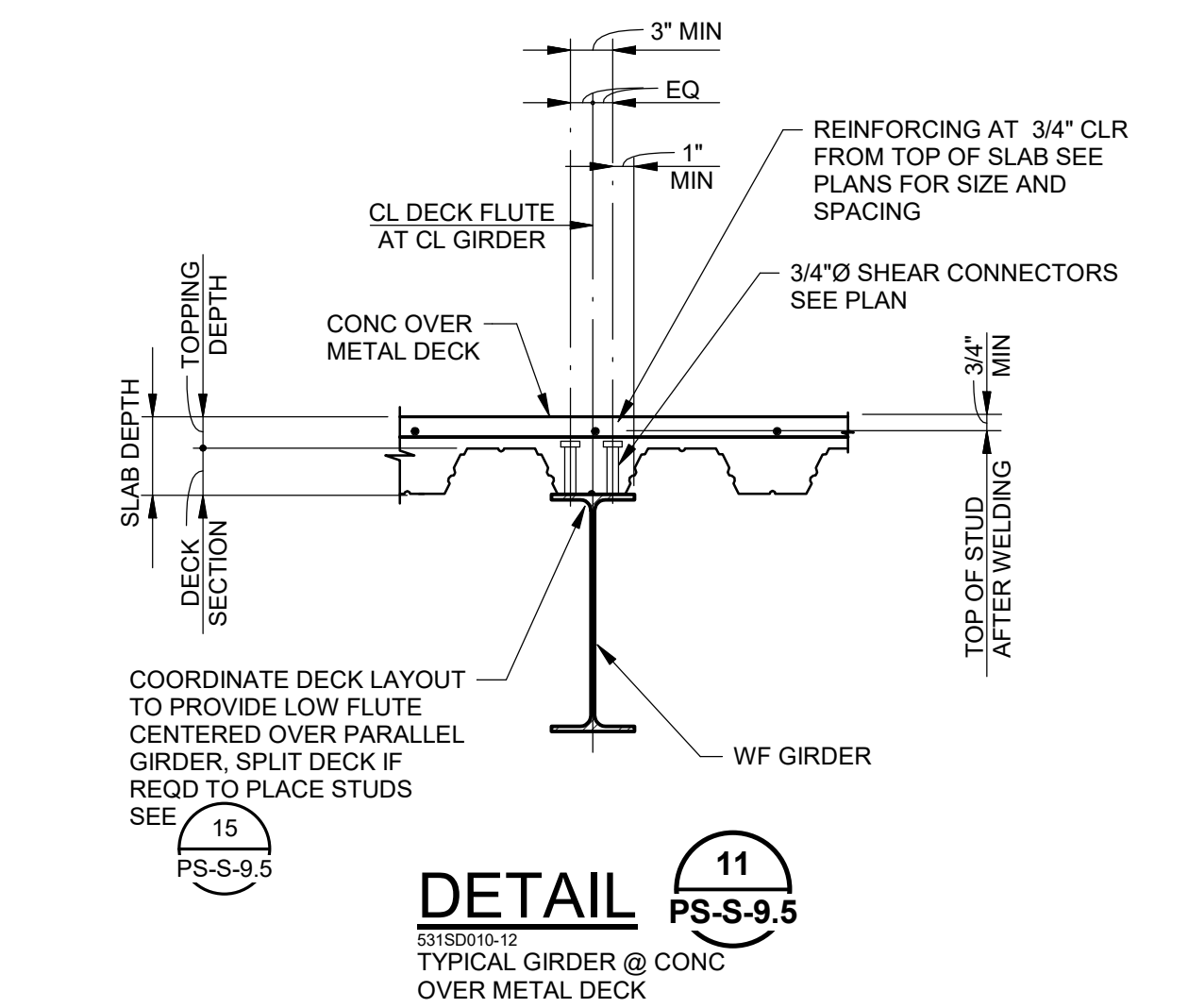
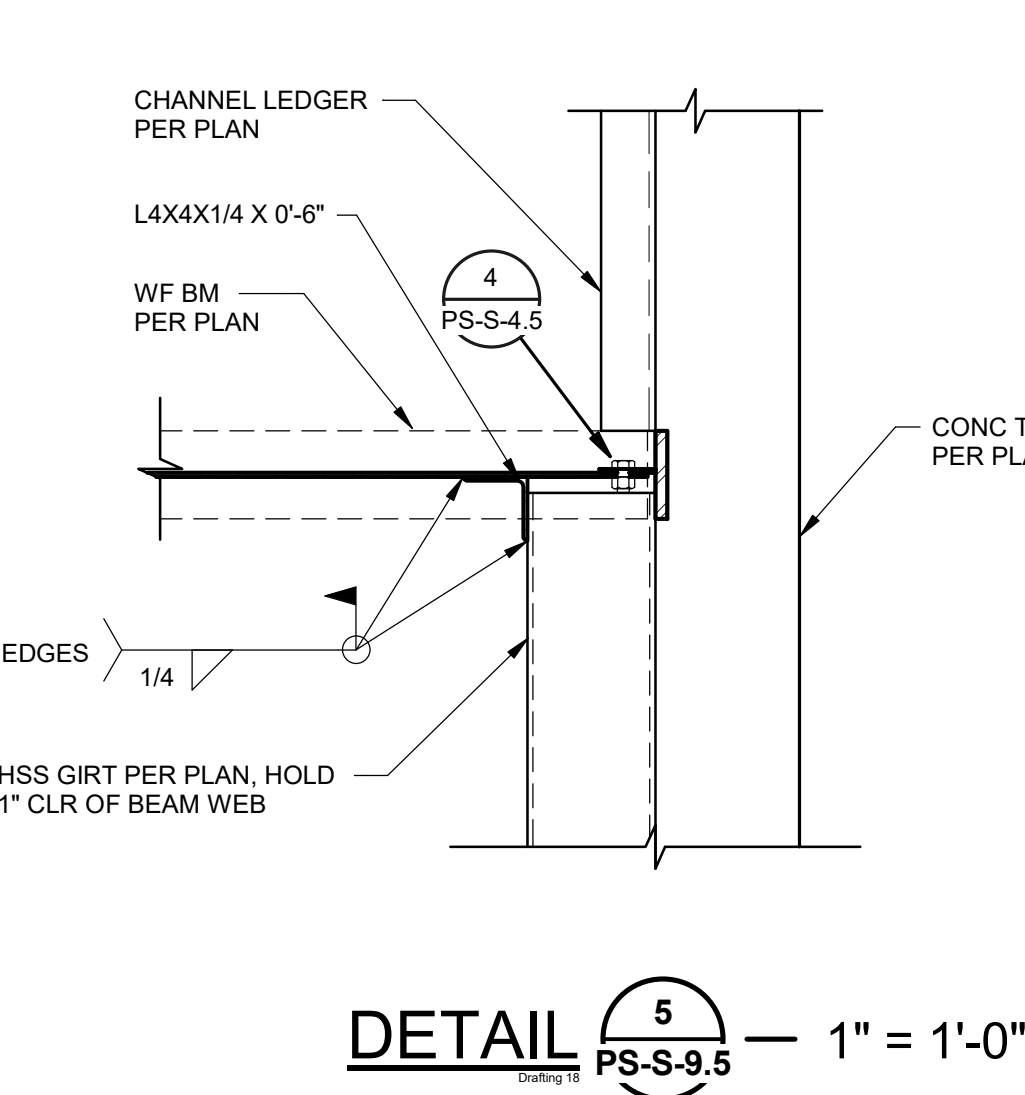
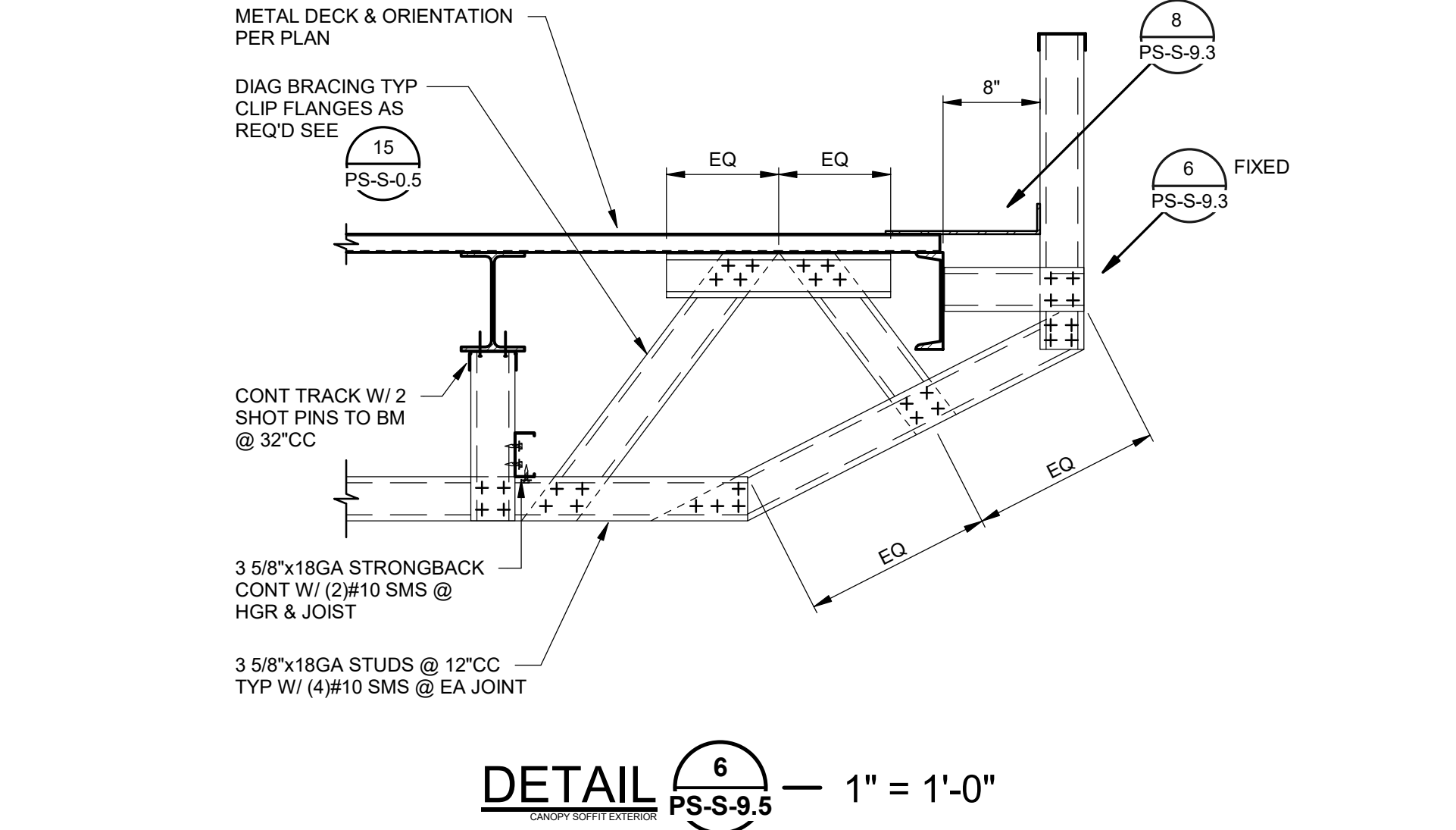
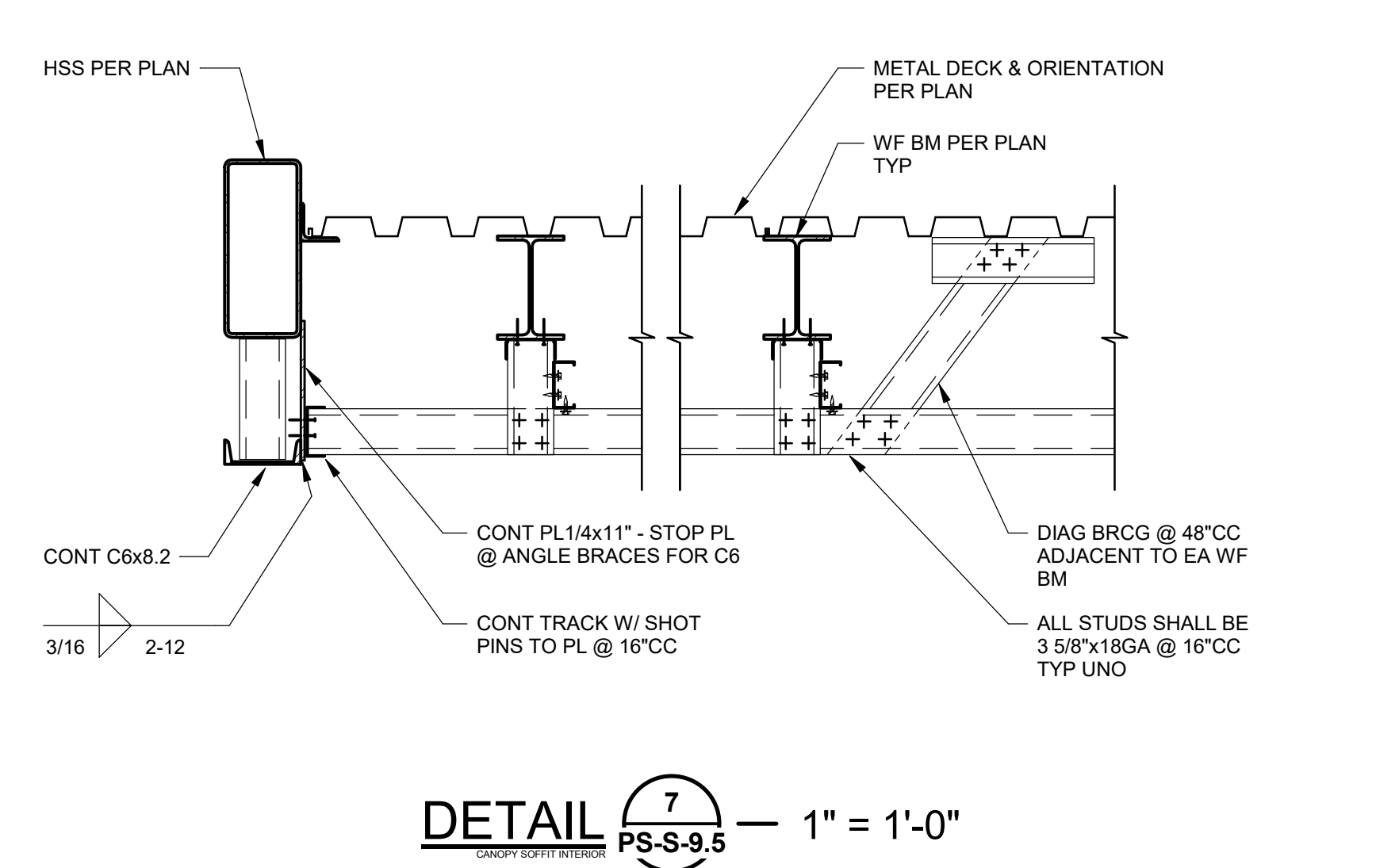
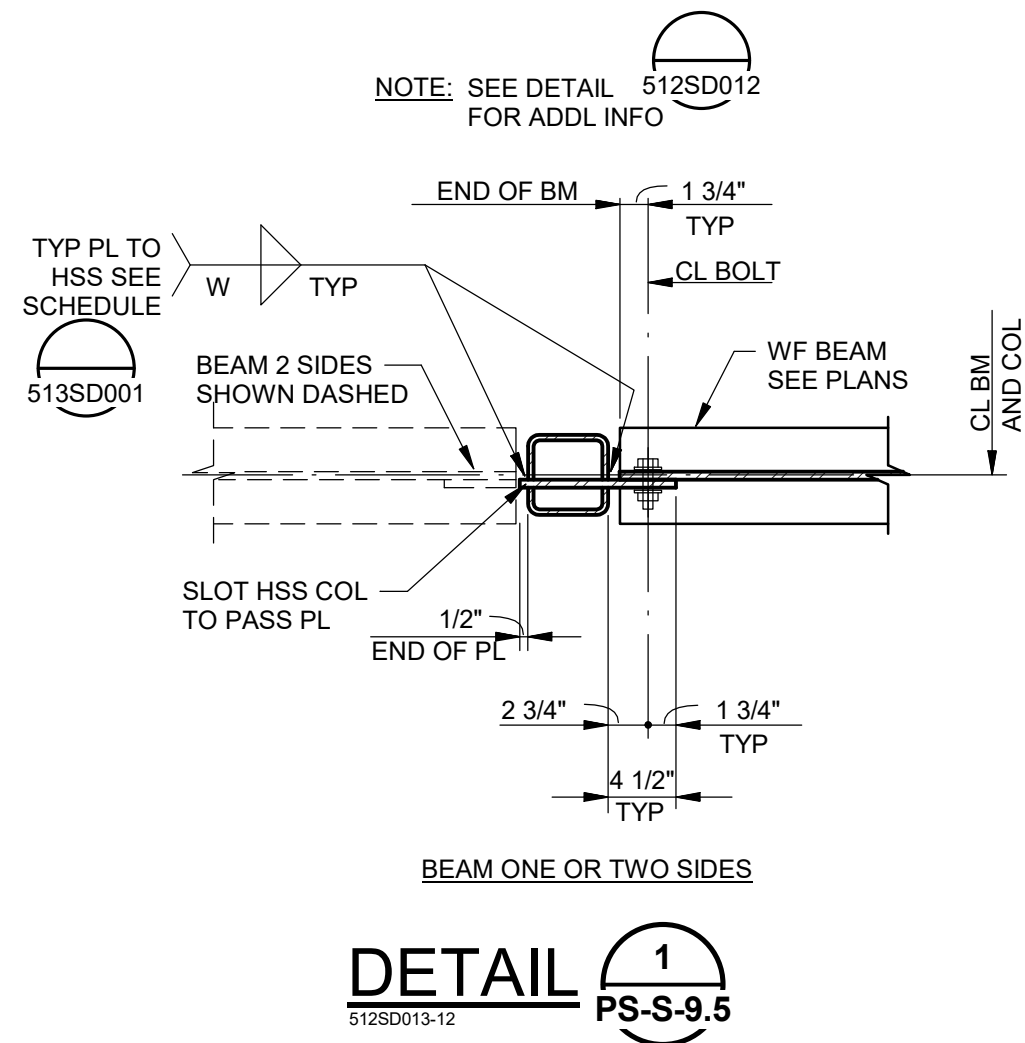
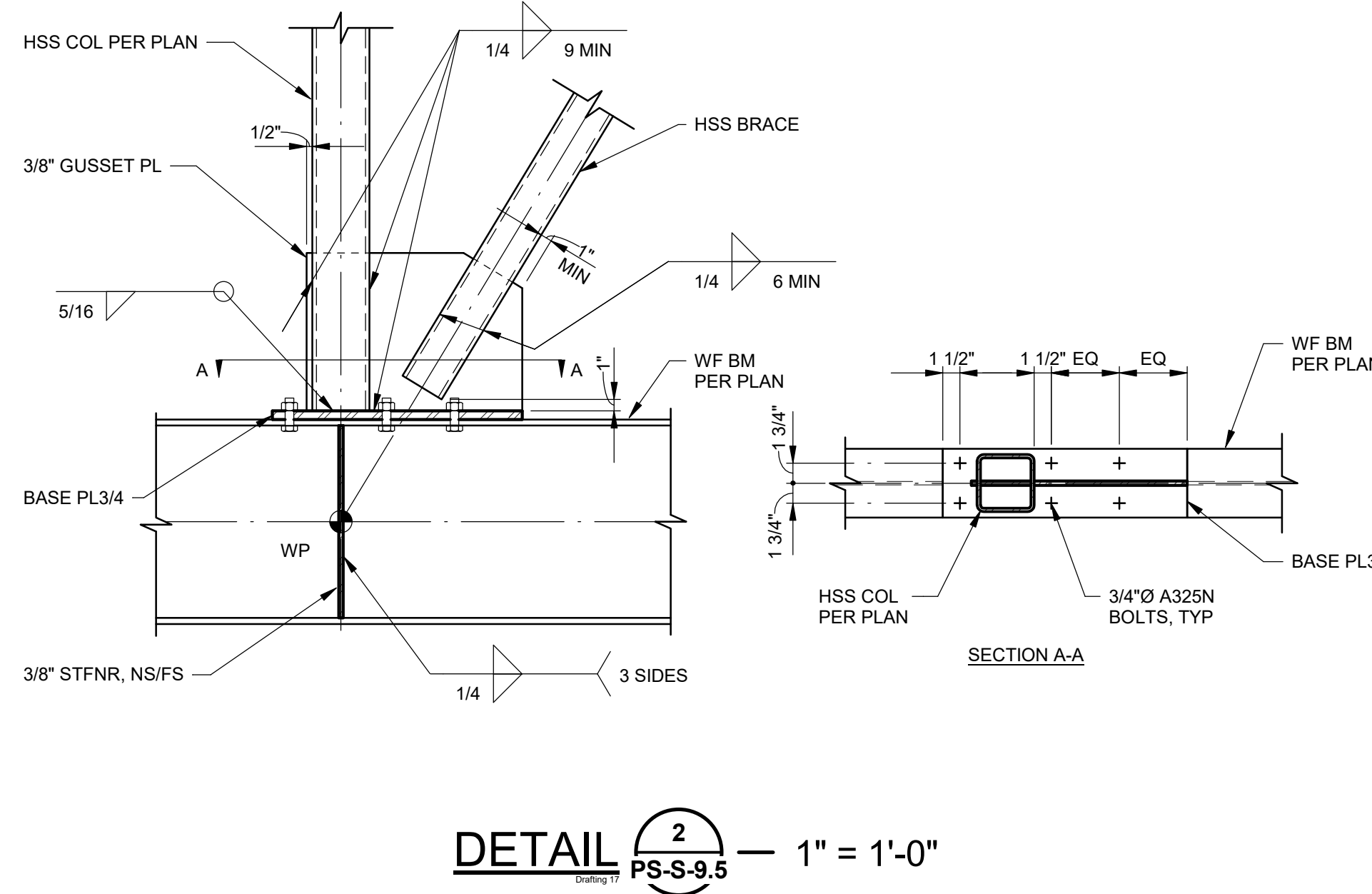
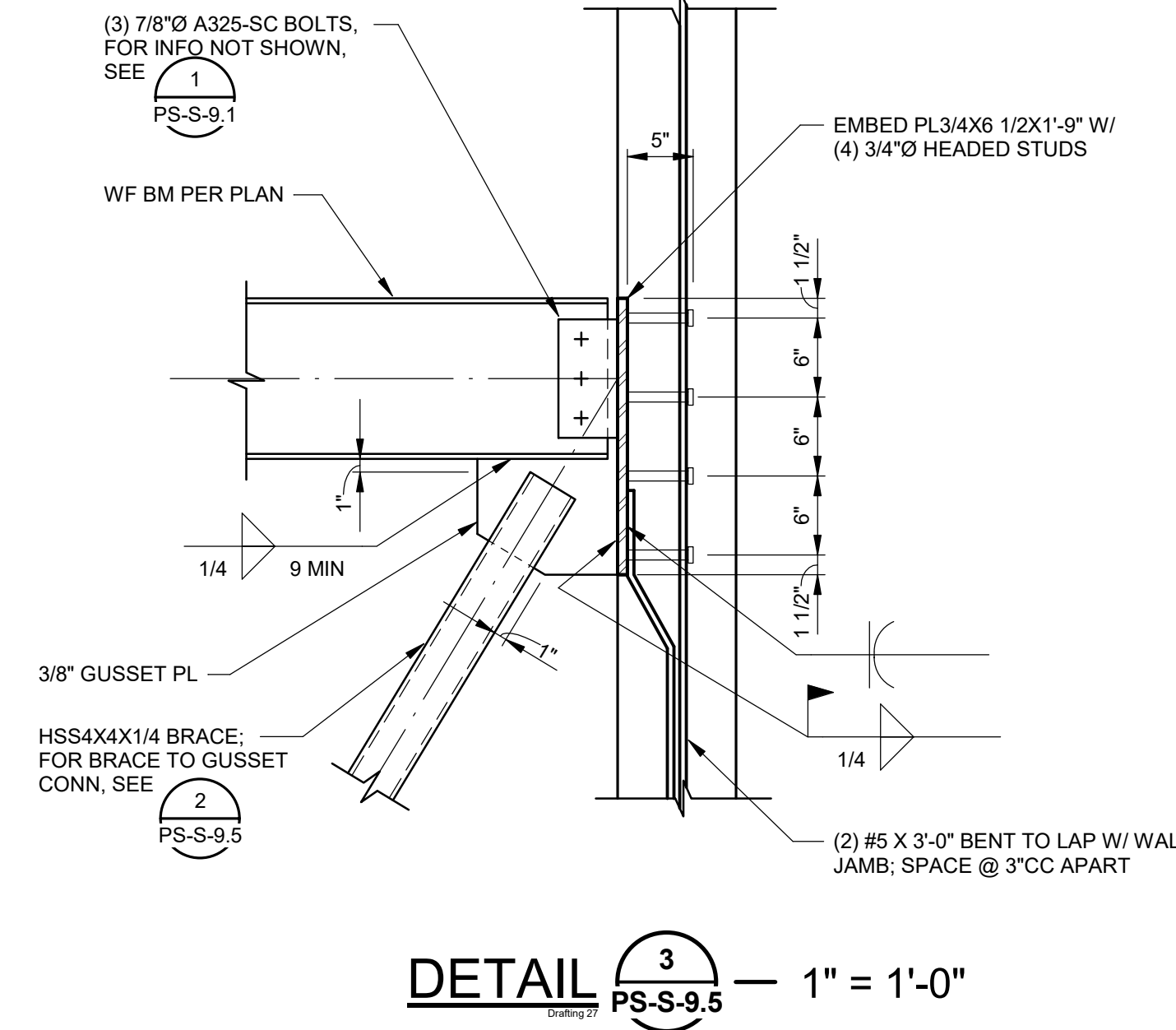
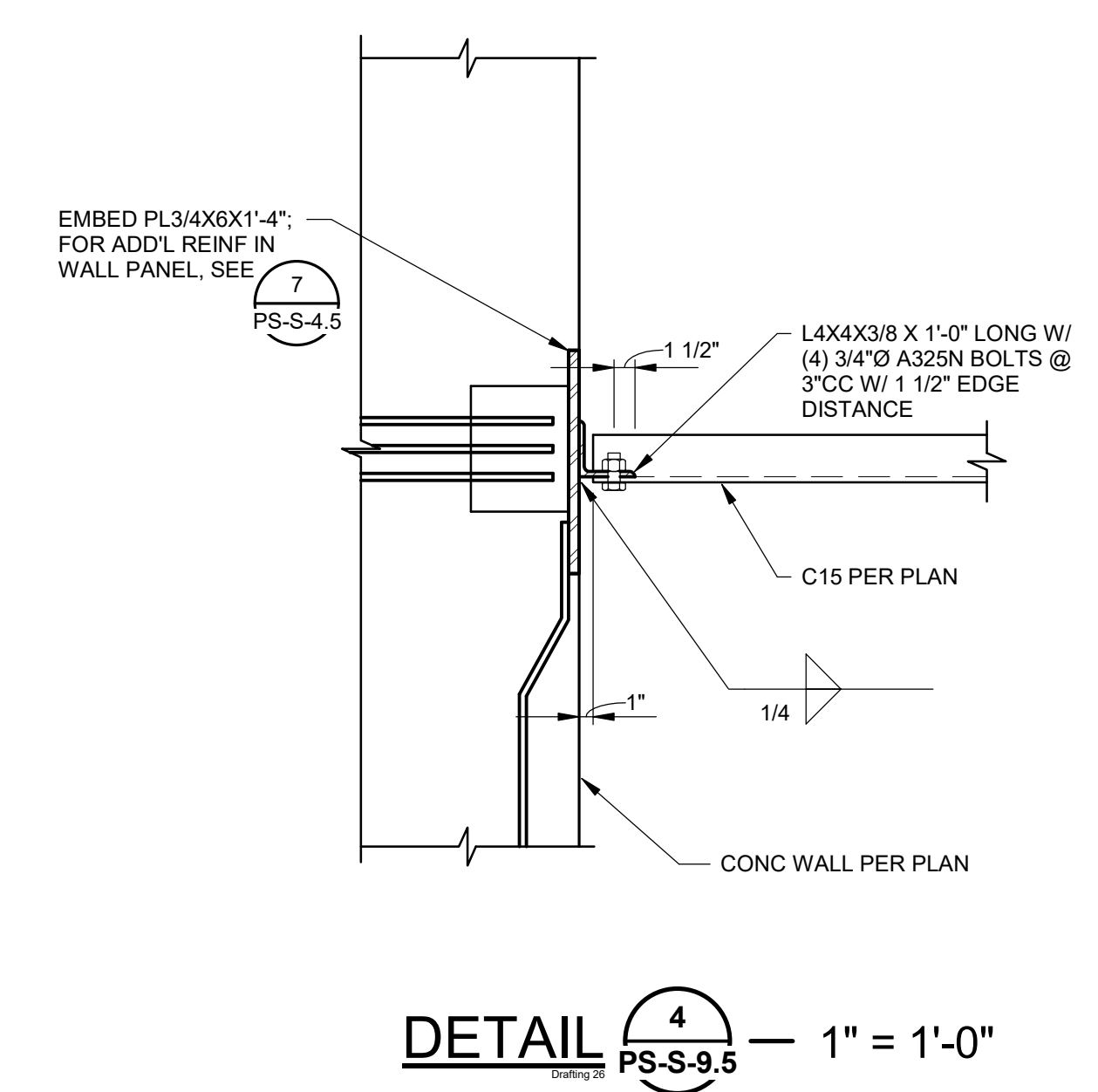


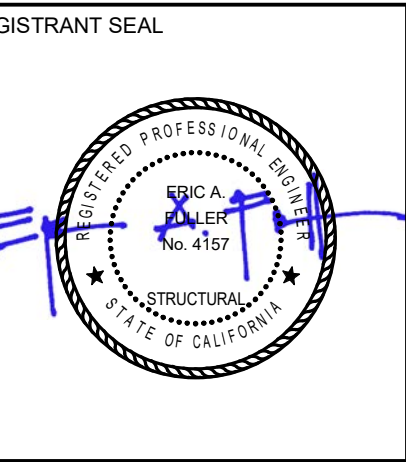
Buchler & Buchler  
Structural Engineers, Inc.  
8000 S. River Street, Suite 200, Sacramento, CA 95811  
(916) 443-2523 • Fax: (916) 443-2313  
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 PUBLIC SAFETY BUILDING & SITE  
 200 INDUSTRIAL DRIVE  
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 18-0565 D 30 of 30



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