



CAMPBELL + VAN DUSEN
ARCHITECTURE INTERIOR DESIGN

www.CVDstudio.com

CAMPBELL + VAN DUSEN Design Studio, LLC
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Figure 10: Details of U-shaped precast concrete lintels. The figure shows four cross-sectional views of lintels labeled L1, L2, L3, and L4. L1 and L2 are 8 inches high, while L3 and L4 are 24 inches high. All have a 2 1/2 inch wide top flange. L1 and L2 are labeled "U-SHAPED PRECAST CONCRETE LINTEL (8/8x11)". L3 and L4 are labeled "U-SHAPED PRECAST CONCRETE LINTEL (8/24-18/11)". Each lintel has a central vertical reinforcement bar. Notes for all lintels state: "VERT. REINF. SEE FOUNDATION PLAN NOTES." and "(1) #5 CONT."

- NOTES:**
1. 8" PRECAST LINTELS BY CASTCRETE CORPORATION OR APPROVED EQUAL.
 2. SHORE PRECAST LINTEL PER MANUFACTURER RECOMMENDATIONS.
 3. SEE THE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
 4. PROVIDE 4" MINIMUM BEARING EACH END.

MARK	SIZE	REINFORCING
WF-1	2'-0" X 12" X CONT.	(3) #5 CONT. BOTTOM AND #5 @ 14" O.C. TRANSV. BOTTOM
F70	7'-0" X 7'-0" X 18"	(8) #6 E.W. BOTTOM

(ALL LOADS SHOWN ARE IN POUNDS PER SQ. FT.)

COMPONENT	AREA		
	ROOF	SUB ON GRADE	
SYSTEM	10		
CEILING & MECH'L	15		
MISC.	5		
RAIN LOAD	25		
TOTAL DEAD LOAD	30		
TOTAL LIVE LOAD	20	100	
TOTAL LOAD	55	100	

USE 5PSF DEAD LOAD FOR NET UPLIFT CALCULATIONS

USE 5PSF DEAD LOAD FOR NET UPLIFT CALCULATIONS

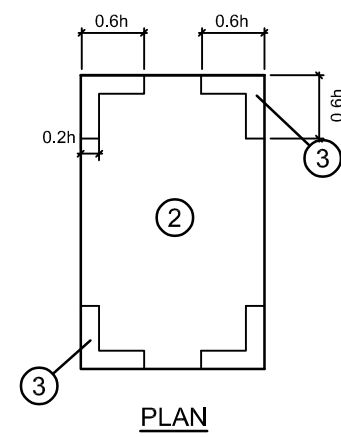
MARK	SIZE	BASE P _L	A.B.	EMBED
SC1	HSS 6 x 6 x 1/4"	12x12x1"	(4) 3/4"Ø	12"

MARK	SIZE BxH (inches)	REINFORCING			STIRRUPS
		BOTT	TOP	INT	TIES SPACING
BB1	8x8	(1) #5	-	-	MASONRY BOND BEAM
BB2	8x16	(1) #5	(1) #5	-	MASONRY BOND BEAM
TB1	8x16	(2) #5	(2) #5	-	#3 @ 6" O.C.
CB1	8x32	(2) #5	(2) #5	(6) #5	#3 @ 6" O.C.
CB2	8x16	(2) #5	(2) #5	(4) #5	#3 @ 6" O.C.
CB3	8x16	(2) #5	(2) #5	(2) #5	#3 @ 6" O.C.

EFFECTIVE WIND AREA (SQ. FT.)	ROOF AREA			
	1'	1	2	3
ALL	NA	NA	+15.42/-34.7	+16.1/37.1

- NOTES:

1. (Vasd) = ALLOWABLE WIND LOADS
2. Kd = 1.0
3. +: INDICATES WIND PRESSURE
- : INDICATES WIND SUCTION
4. h = 14.0 FT (ROOF)
0.6h = 8.4 FT
0.6h = 2.8 FT
(COMPONENTS AND CLADDING)
5. FOR EFFECTIVE WIND AREAS
THOSE GIVEN ABOVE THE LOAD
INTERPOLATED. OTHERWISE USE
LOAD ASSOCIATED WITH THE LO
EFFECTIVE WIND AREA



PLAN

MARK	THICKNESS	REINFORCING
MW1	8" CMU	#5 @ 48" O.C.
MW2	8" CMU	#5 @ 16" O.C.
MW3	8" CMU	#5 @ 8" O.C.

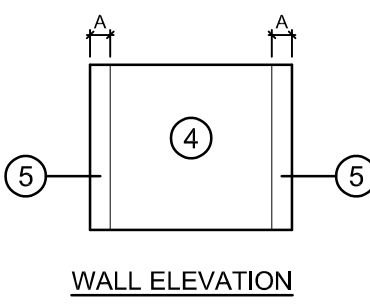
MASONRY WALL NOTES:

1. WALL SEGMENTS SHALL BE REINFORCED WITH 9 GA. GALVANIZED LATERAL REINFORCING @ 16" O.C. HORIZ. EXTEND REINFORCING 6" INTO POURED ELEMENTS AND AROUND ENCASED STEEL.
2. ADJACENT TO ANY EXTERIOR/INTERIOR 8" WALL OPENING, PLACE (1) #5 VERTICAL (ONE PER CELL) IN CELL GROUTED SOLID, FULL HEIGHT, U.N.O.
3. ALL MASONRY REINFORCED CELLS SHALL BE FILLED WITH 3000 PSI GROUT MIX.

SIZE OF WALL OPENING (SQ. FT.)	WALL AREA	
	4	5
10	+16.1/-17.5	+16.1/-21.5
20	+15.4/-16.8	+15.4/-20.1
50	+14.5/-15.8	+14.5/-18.2
100	+13.8/-15.1	+13.8/-16.8

- NOTES:**
 +: INDICATES WIND PRESSURE
 -: INDICATES WIND SUCTION

3. FOR WALL OPENINGS BETWEEN THOSE GIVEN ABOVE THE LOAD MAY BE INTERPOLATED, OTHERWISE USE THE LOAD ASSOCIATED WITH THE LOWER WALL OPENING AREA.



PROJECT DESCRIPTION:
HEATHROW CENTRE
BUILDING - 02
EMPTY SHELL BUILDING
1165 BUSINESS CENTER DRIVE
SUITE 1025 AND SUITE 1075
LAKE MARY, FLORIDA 32746

10.24.2025

[illegible]

PROJECT TEAM

PRINCIPAL IN CHARGE
J. GUTHERMAN
PROJECT MANAGER

CLIENT NAME

Providence One Partners

PROJECT NUMBER

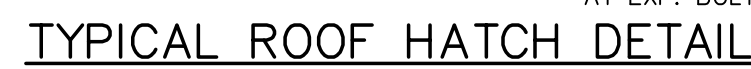
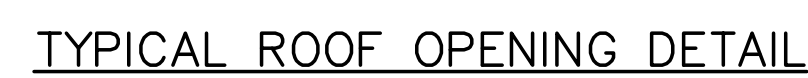
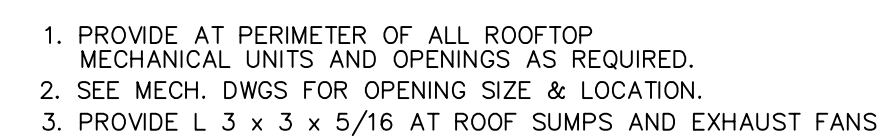
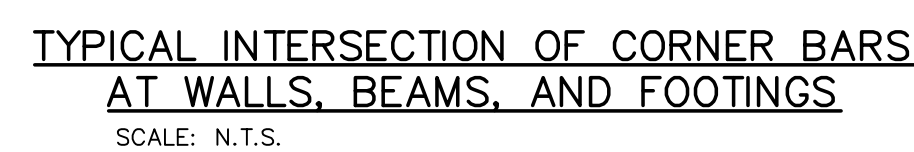
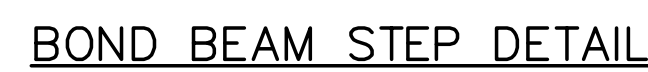
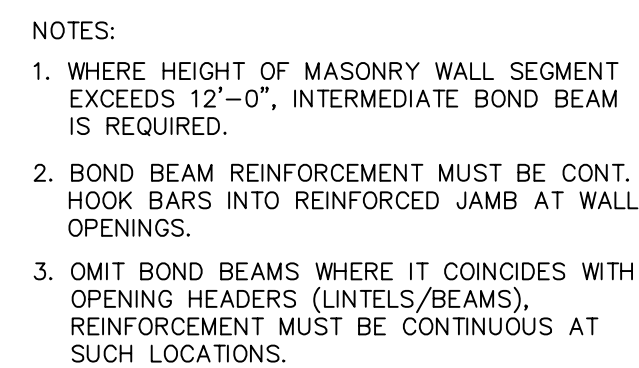
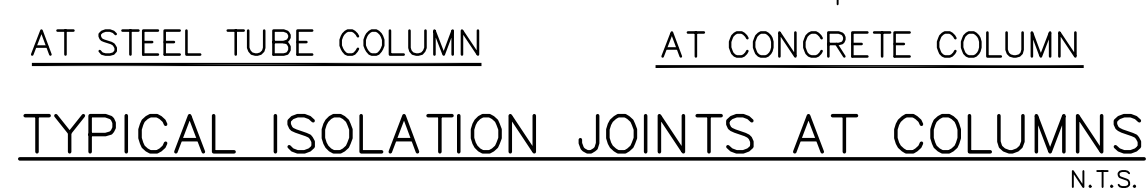
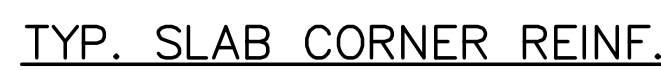
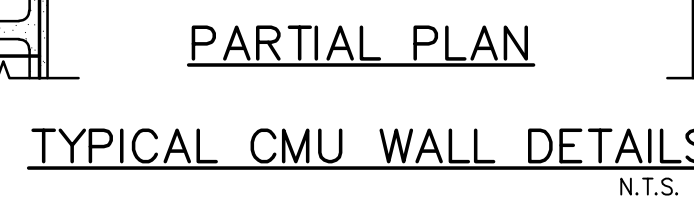
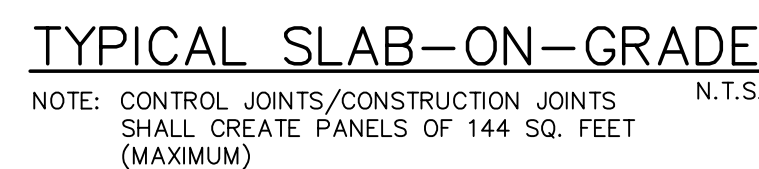
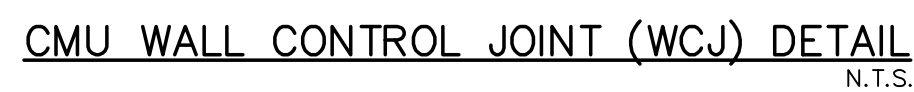
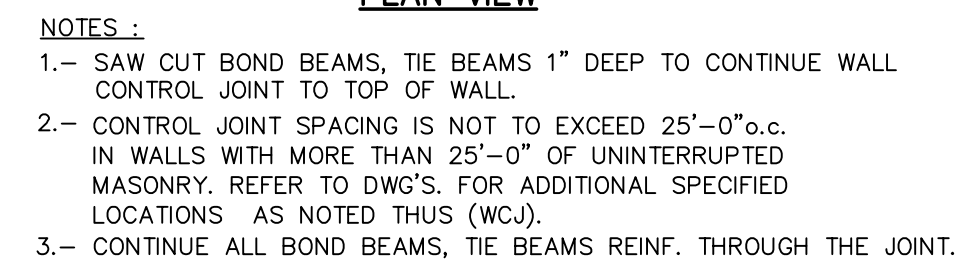
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SHEET TITLE

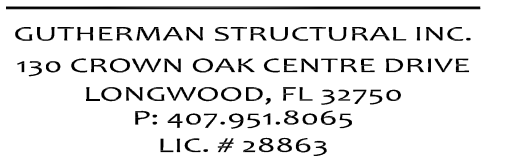
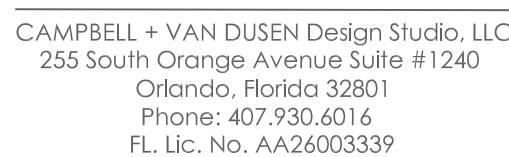
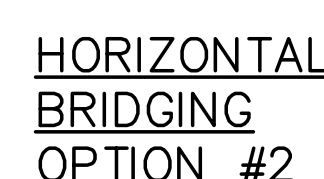
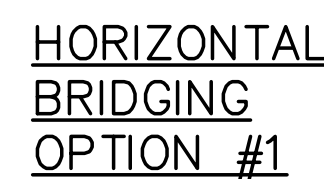
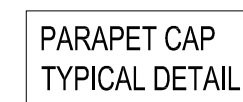
STRUCTURAL SCHEDULE

SHEET NUMBER

S0.2



TYPICAL METAL STUD BUMPOUT



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HEATHROW CENTRE
BUILDING - 02
EMPTY SHELL BUILDING
1165 BUSINESS CENTER DRIVE
SUITE 1025 AND SUITE 1075
LAKE MARY, FLORIDA, 32746

CONSTRUCTION

10.24.2025

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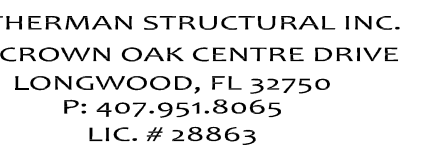
PROJECT TEAM
PRINCIPAL IN CHARGE
J. GUTHERMAN
PROJECT MANAGER

CLIENT NAME Providence One Partners

PROJECT NUMBER
24-0919-01

TYPICAL DETAILS

S0.3



FOR

.24.2025

ECT TEAM


TITLE

20



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

1. ELEV. ±0'-0" IS REFERENCE ONLY. SEE CIVIL FOR TRUE NAVD ELEVATION.
2. VERIFY SLOPES & STEPS WITH ARCH'L PRIOR TO CONSTRUCTION. SEE TYPICAL DETAIL SHEET.
3. TOP OF EXTERIOR WALL SPREAD FOOTING ELEVATIONS = -1'-4" BELOW TOP OF SLAB TYPICAL U.N.O..
4. G.C. TO PROVIDE SLAB ON GRADE CONTROL JOINTS (C.J.) FOR ALL SLAB AT 12'-0" C.C. MAX. TYPICAL
5. TE INDICATES THICKENED EDGE SEE TYPICAL DETAIL SHEET.
6. WF## INDICATES CONCRETE FOOTING. SEE SCHEDULE FOR SIZE, EXTENTS & REINFORCING.
7. MW# INDICATES CONCRETE MASONRY WALL, SEE SCHEDULE FOR SIZE & REINFORCING.

8. SC# INDICATES STEEL COLUMN, SEE SCHEDULE ON S-0.
9. C# INDICATES CONCRETE COLUMN, SEE SCHEDULE FOR SIZE, EXTENTS, & REINFORCING.
10.  DENOTES 8" CMU WALL, SEE SCHEDULE FOR REINFORCING. U.N.O. ON PLAN.
11. PROVIDE WALL CONTROL JOINTS. SEE TYPICAL DETAIL SHEET.
12. SEE ARCH FOR DIMENSIONS NOT SHOWN.
13. AT ALL LIGHT GAUGE FRAMING BUMP OUTS, EXTEND CONCRETE 8" PAST THE FACE OF LIGHT GAUGE, AND PROVIDE AN ADDITIONAL #5 AT 12" O.C. EACH WAY, LAPPED WITH MAIN FOOTING REINFORCING.



KAMPBELL + VAN DUSEN
INTERIORS • LANDSCAPE DESIGN

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THERMAN STRUCTURAL INC.
 CROWN OAK CENTRE DRIVE
 LONGWOOD, FL 32750
 P: 407.951.8065
 LIC. # 28863

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SEALED AND DATED BY THE ENGINEER OF RECORD.
CONSULTANT SEAL

PROJECT LOCATION MAP:
HEATHROW CENTRE
BUILDING - 02
EMPTY SHELL BUILDING
1165 BUSINESS CENTER DRIVE
SUITE 1025 AND SUITE 1075
LAKE MARY, FLORIDA. 32746

E FOR

CONSTRUCTION

0.24.2025

[illegible]

PROJECT TEAM

SPAIN IN CHARGE
GUTHERMAN

ECT MANAGER

NT NAME _____

Evidence One Partners

SUBJECT NUMBER: _____

4-0919-01

T TOLLE

DOOF FRAMING PLAN

BUILDING 2

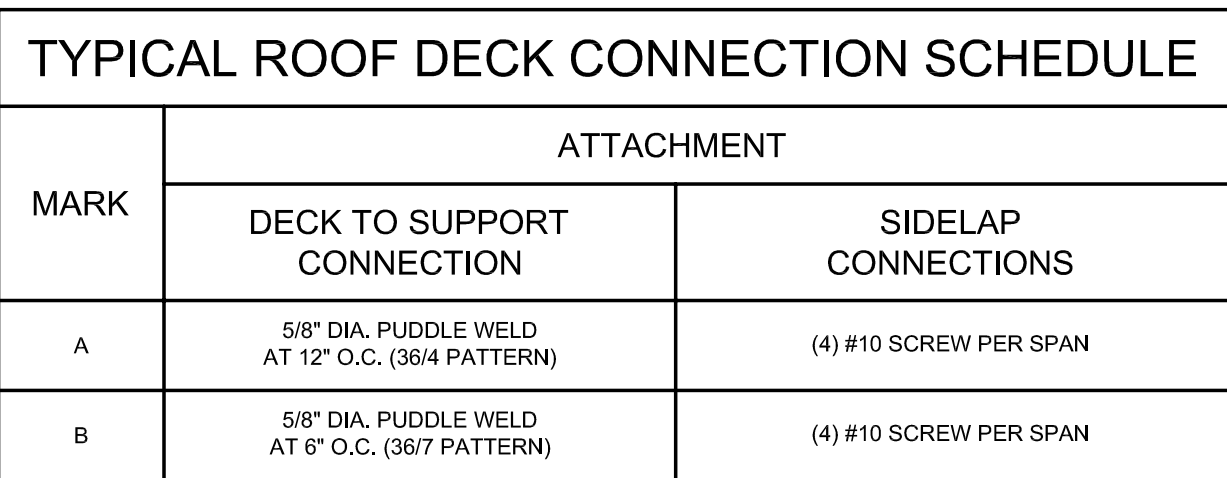
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1/S2.0 ROOF FRAMING PLAN -BUILDING 2

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

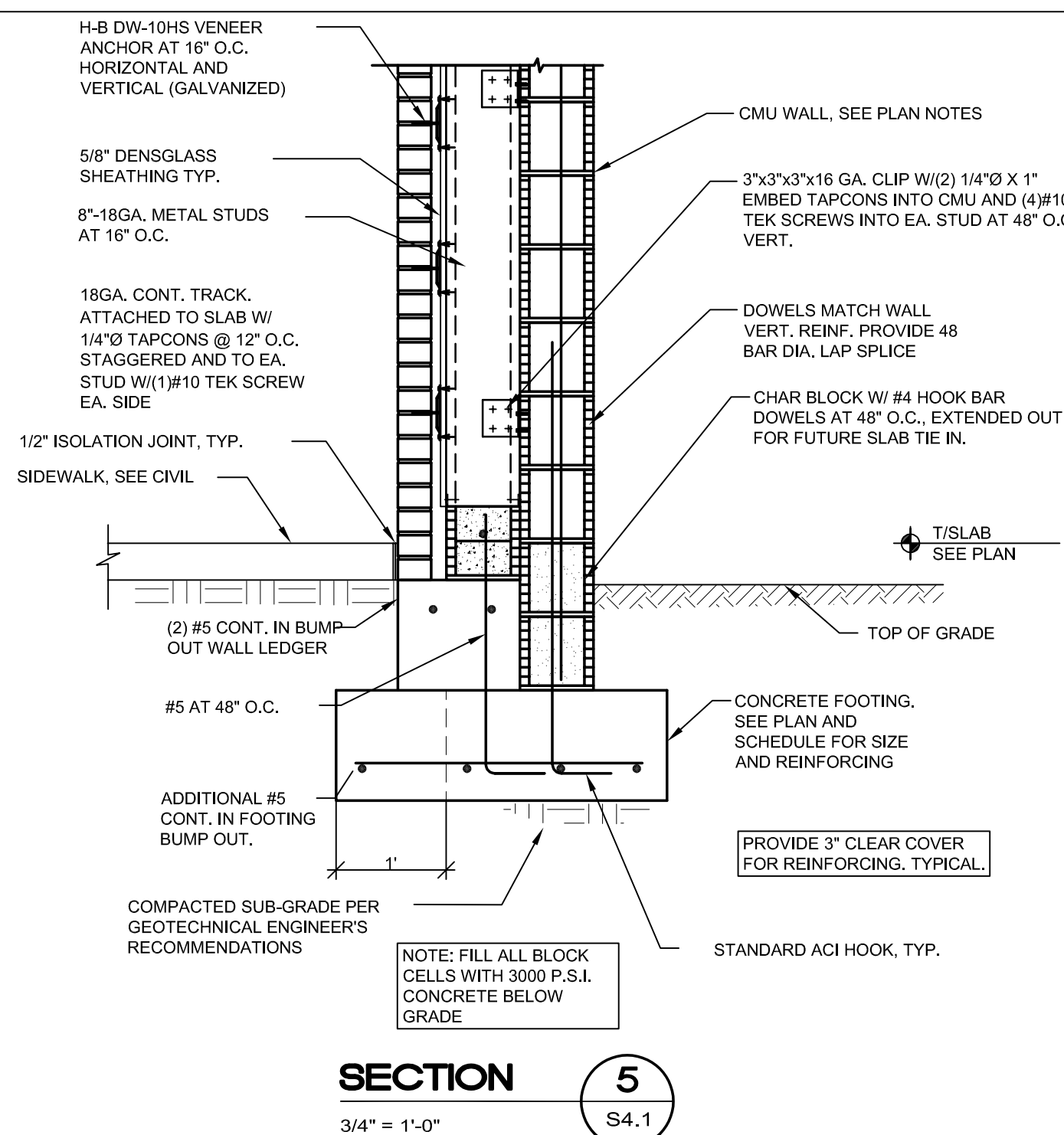
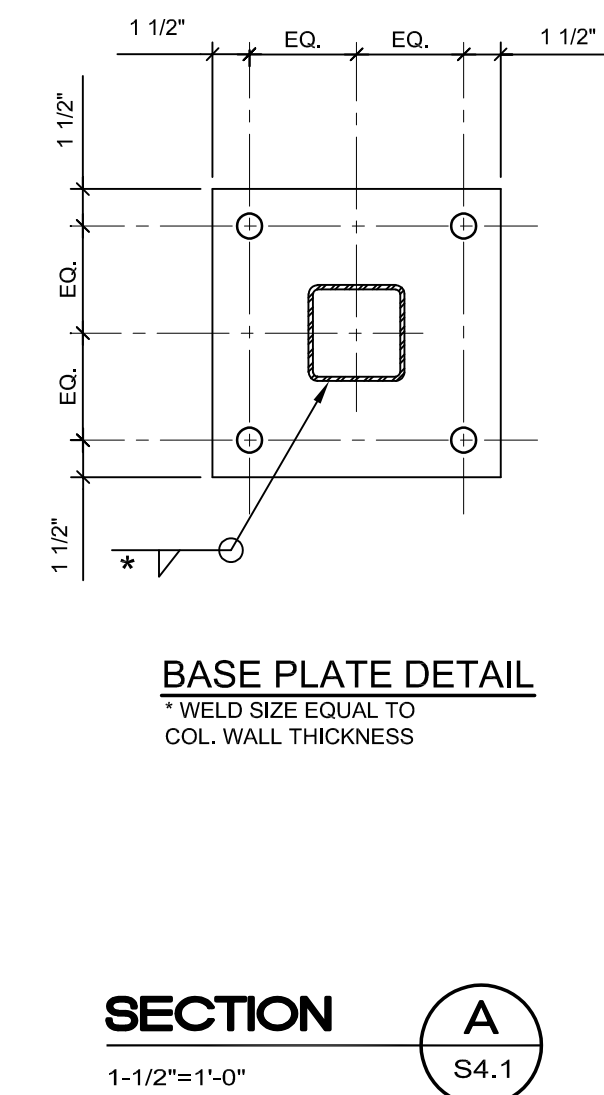
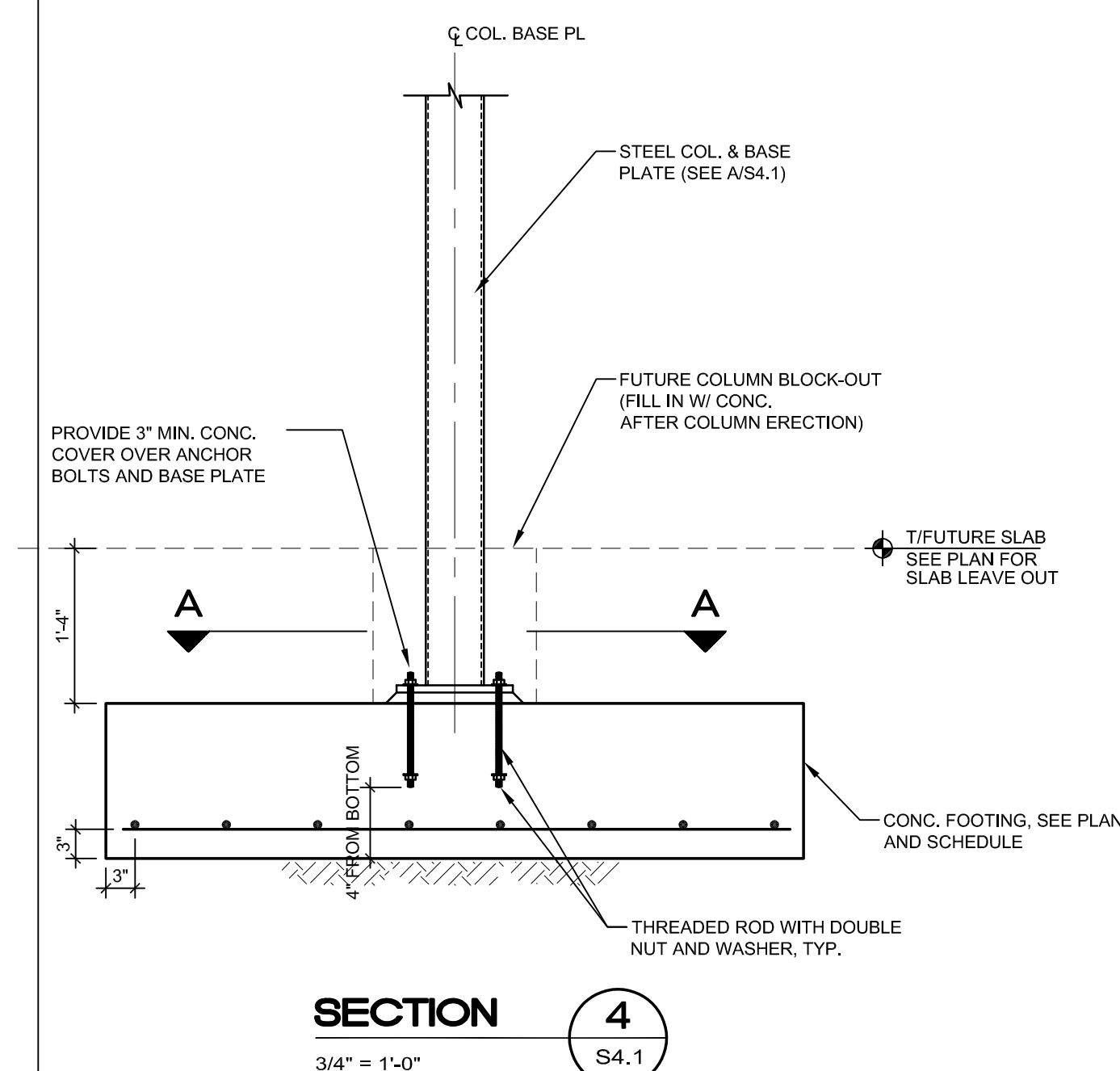
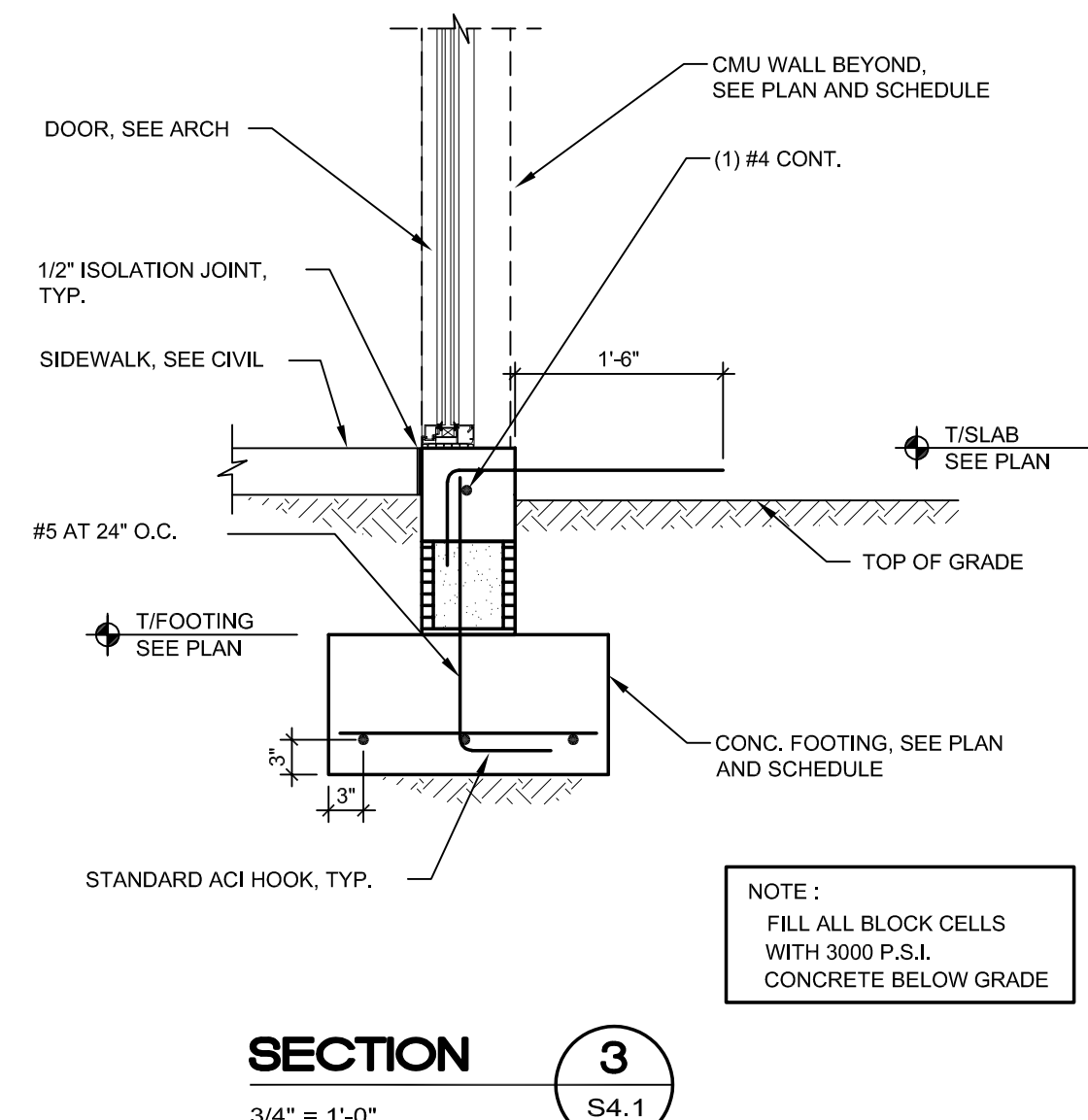
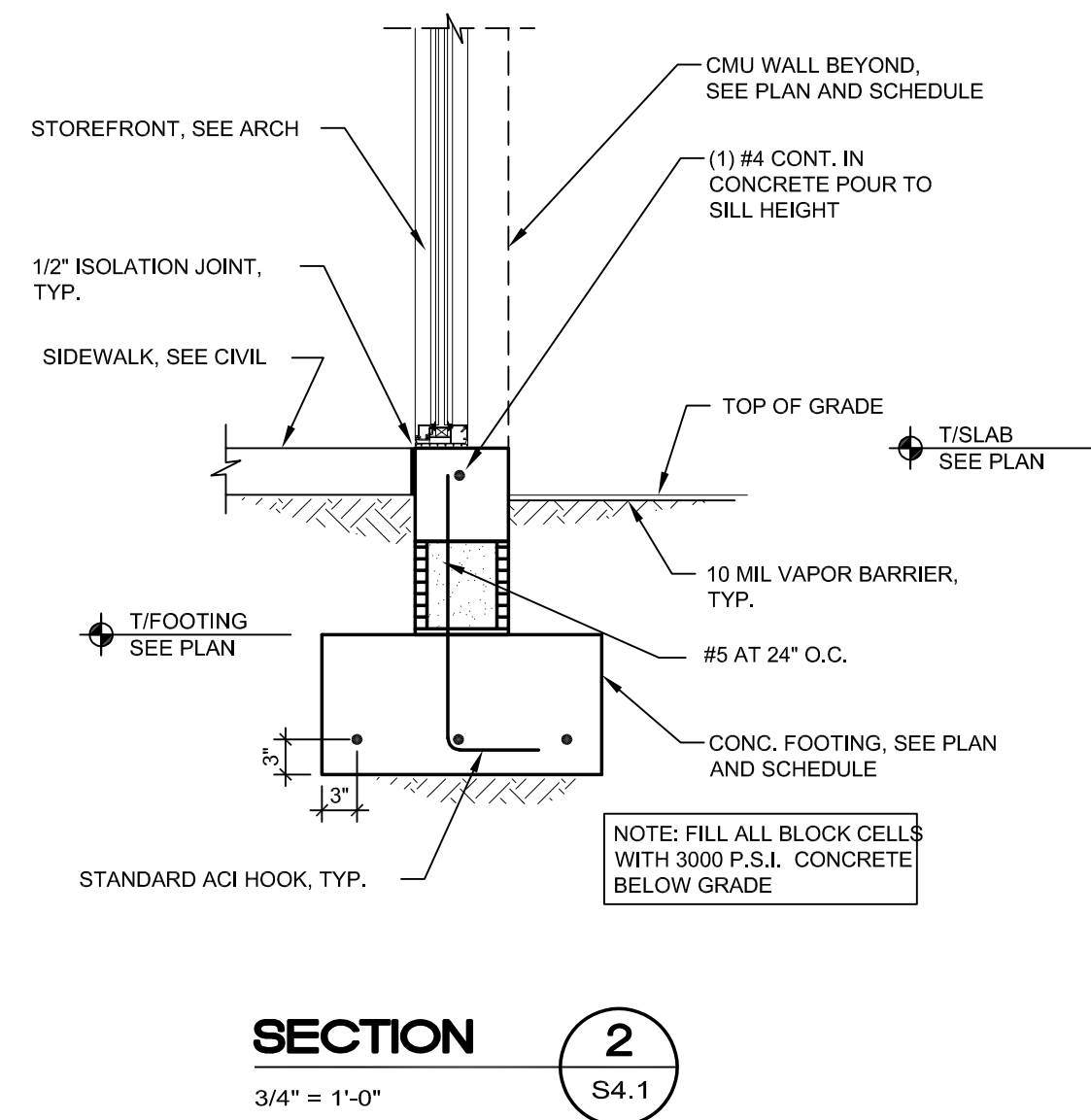
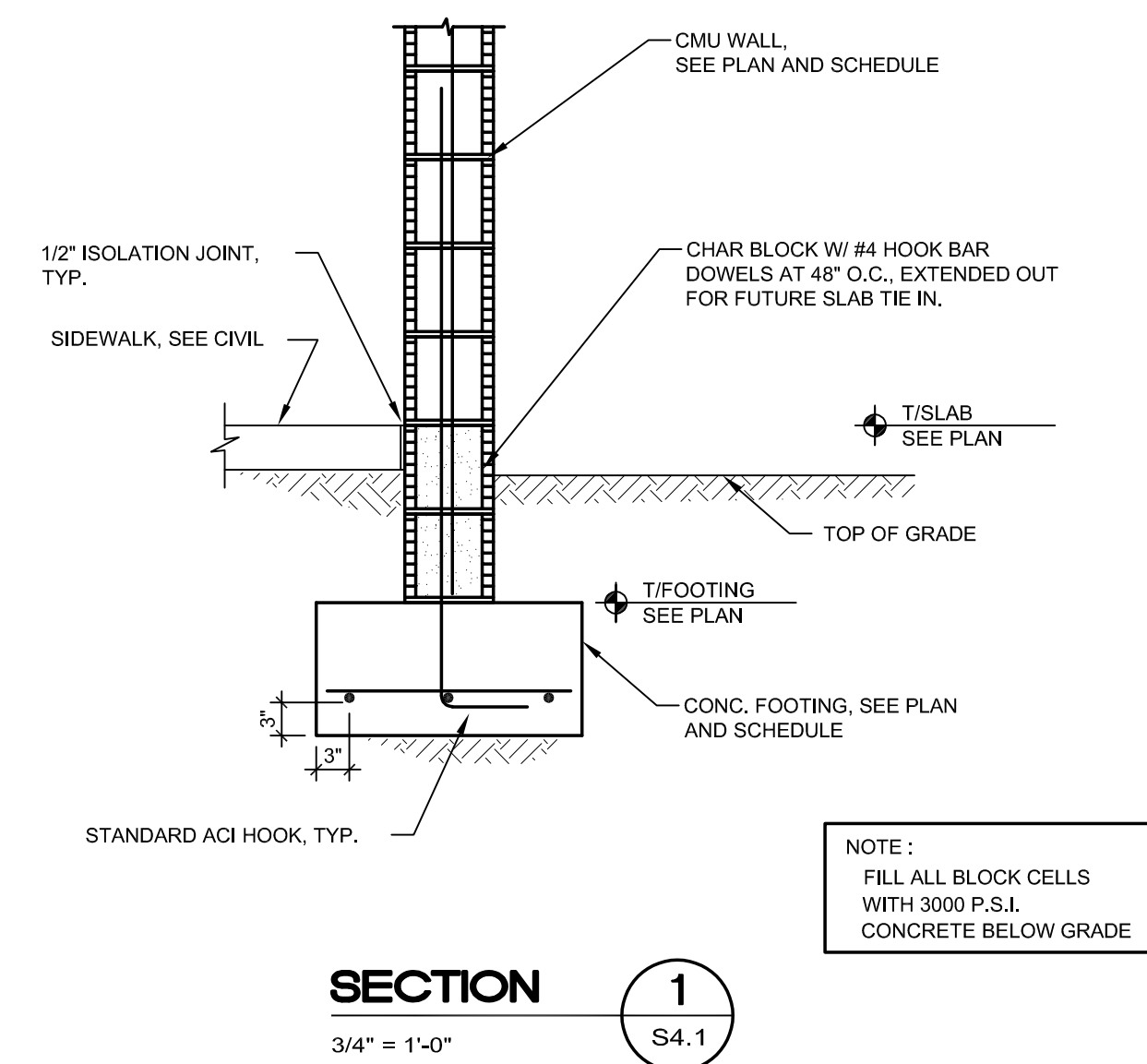


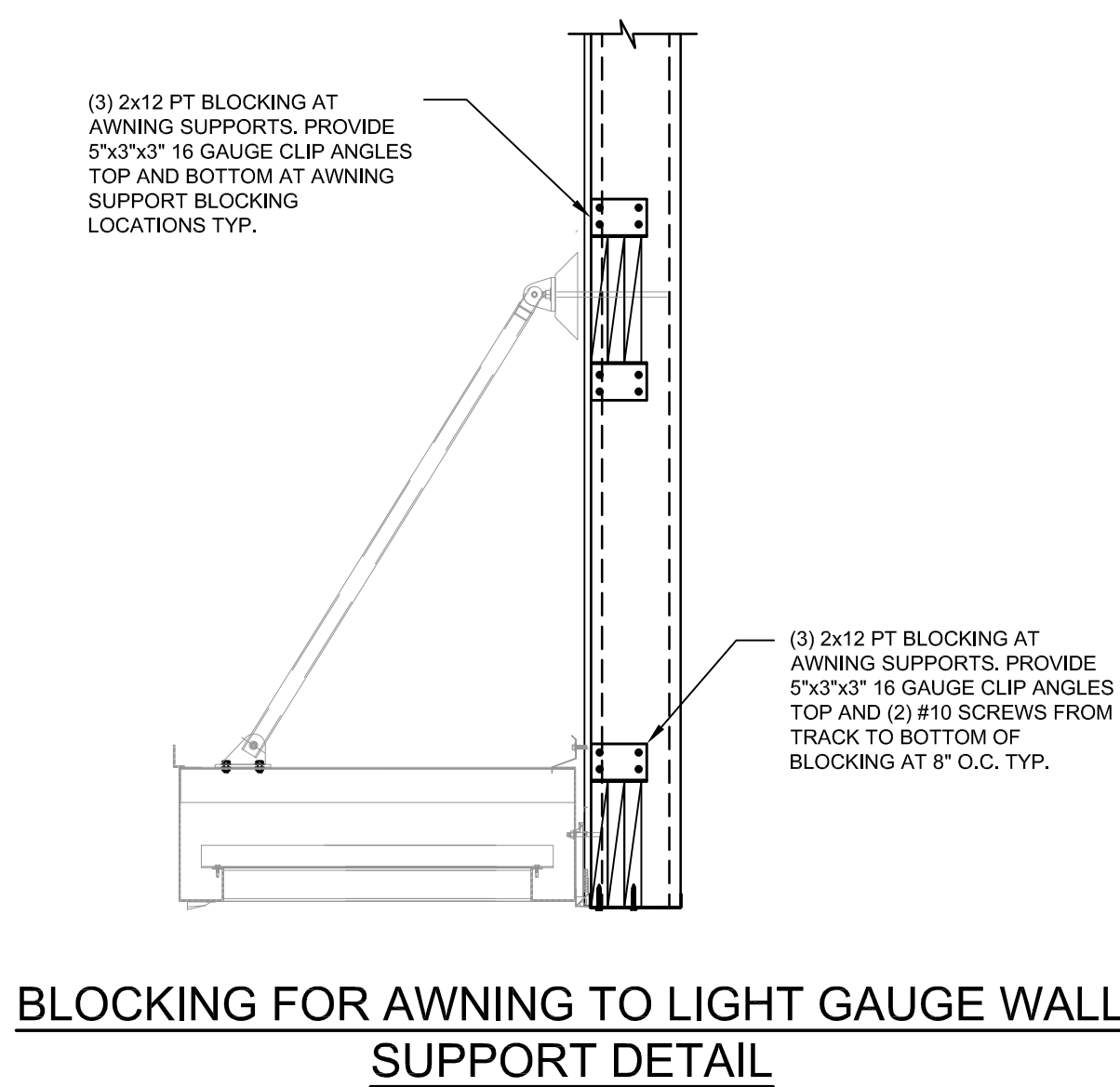
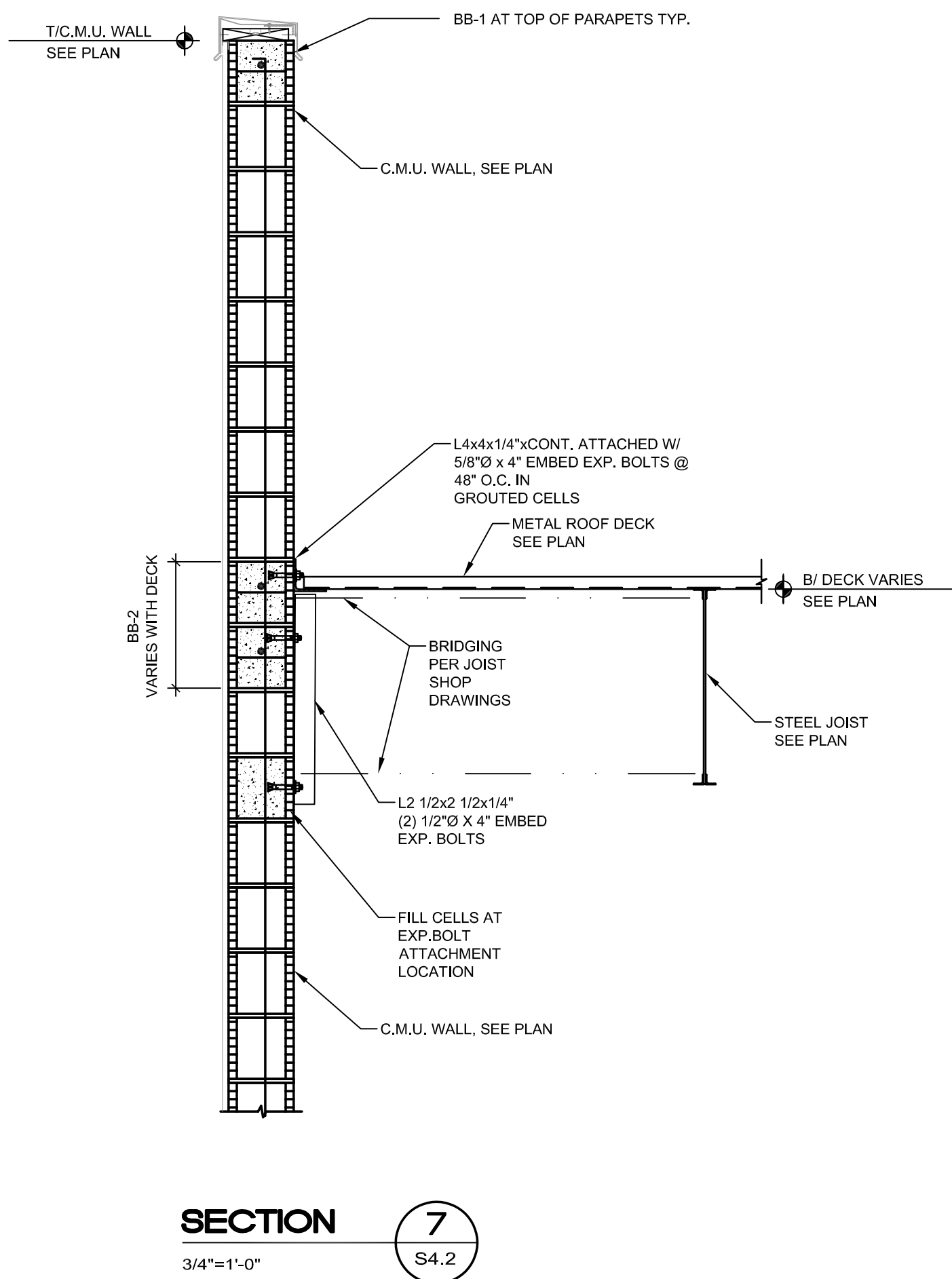
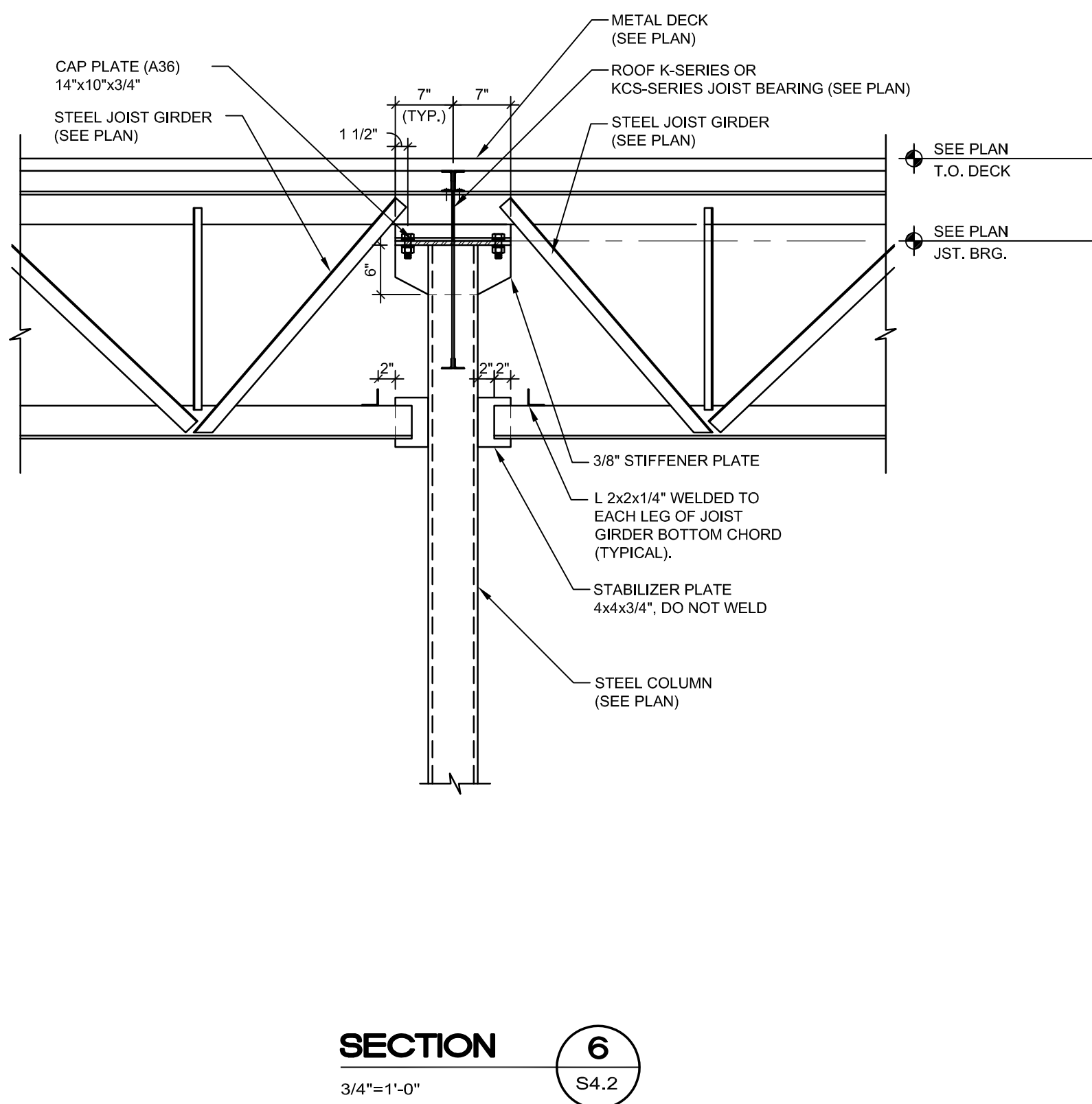
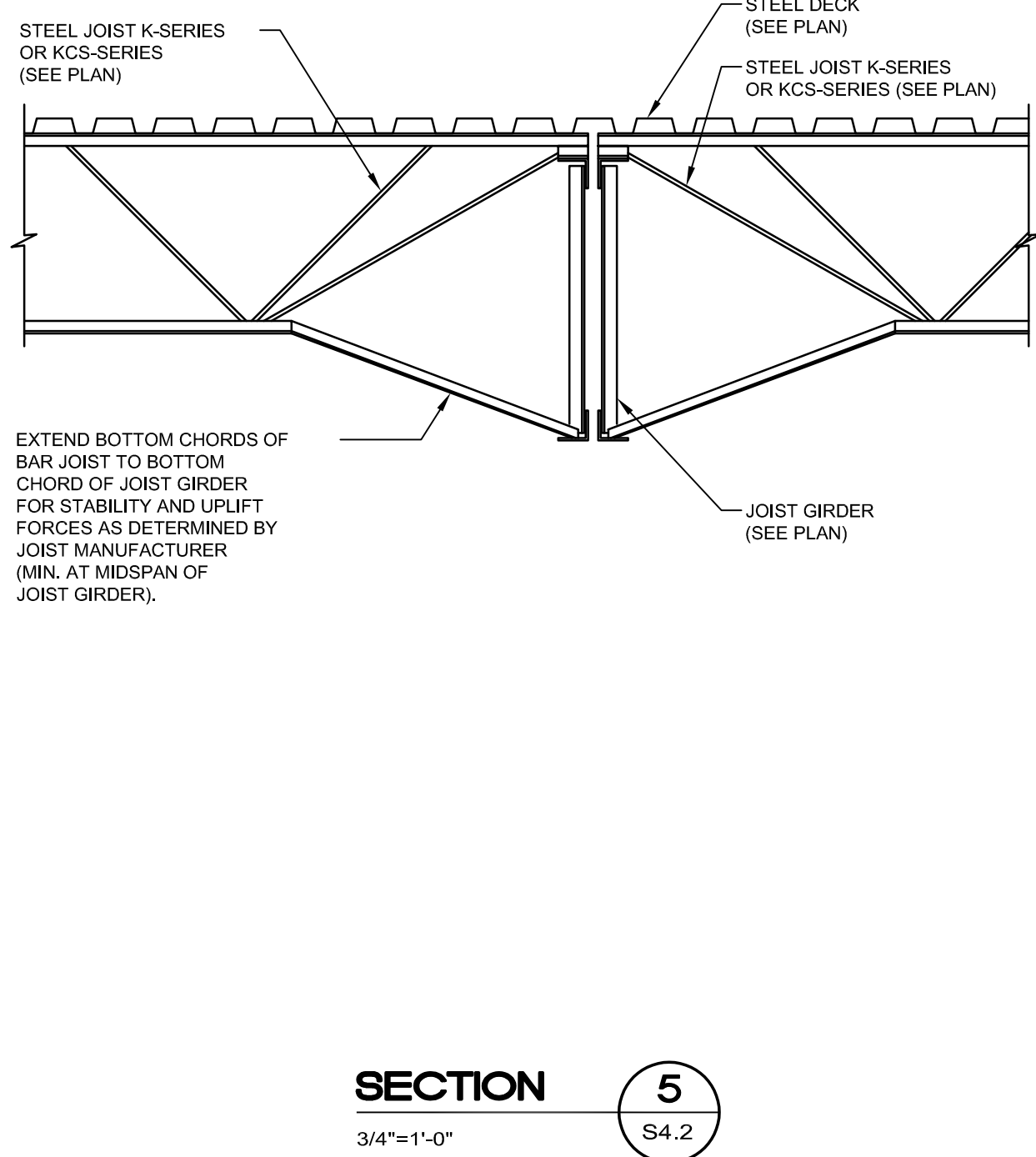
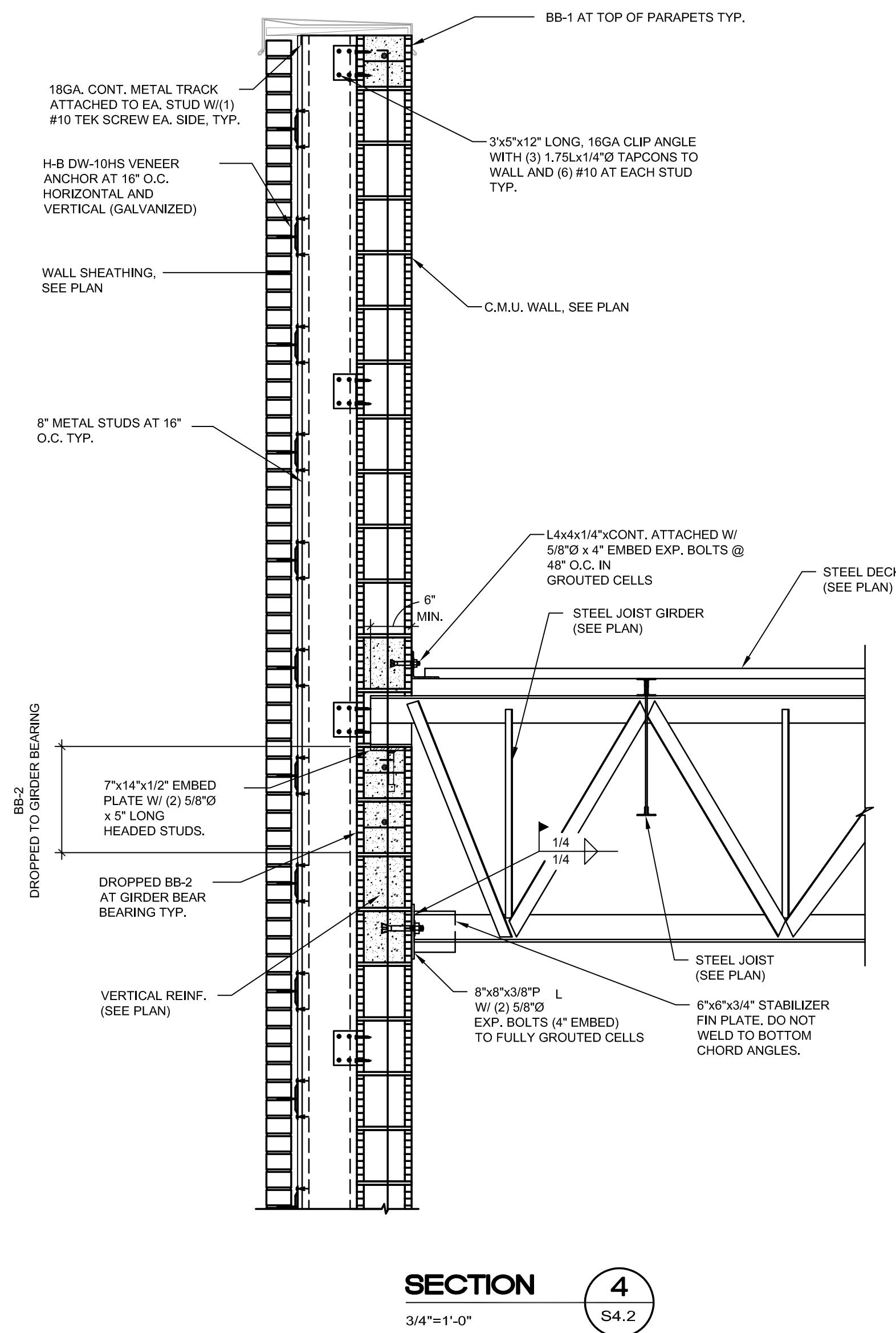
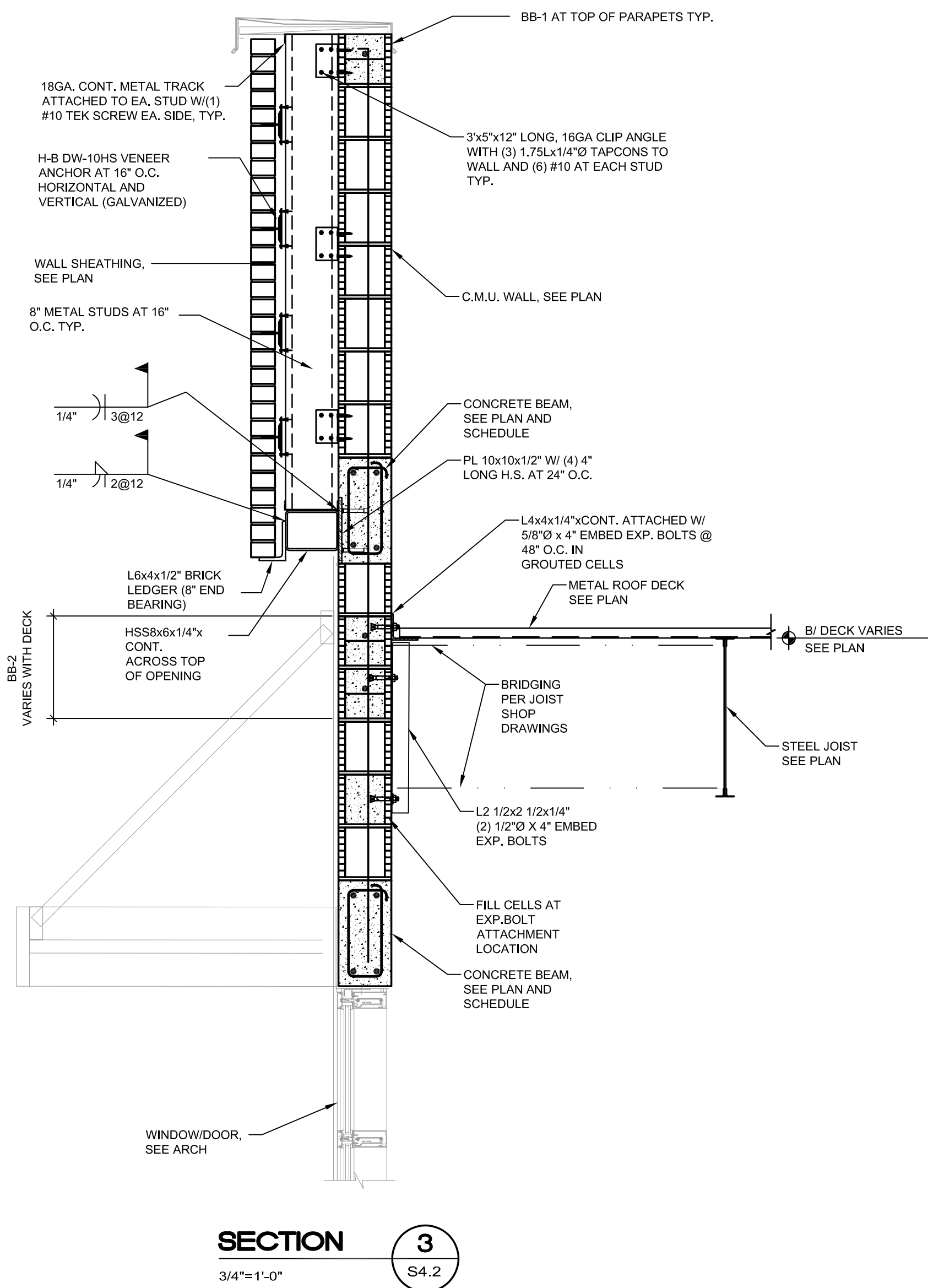
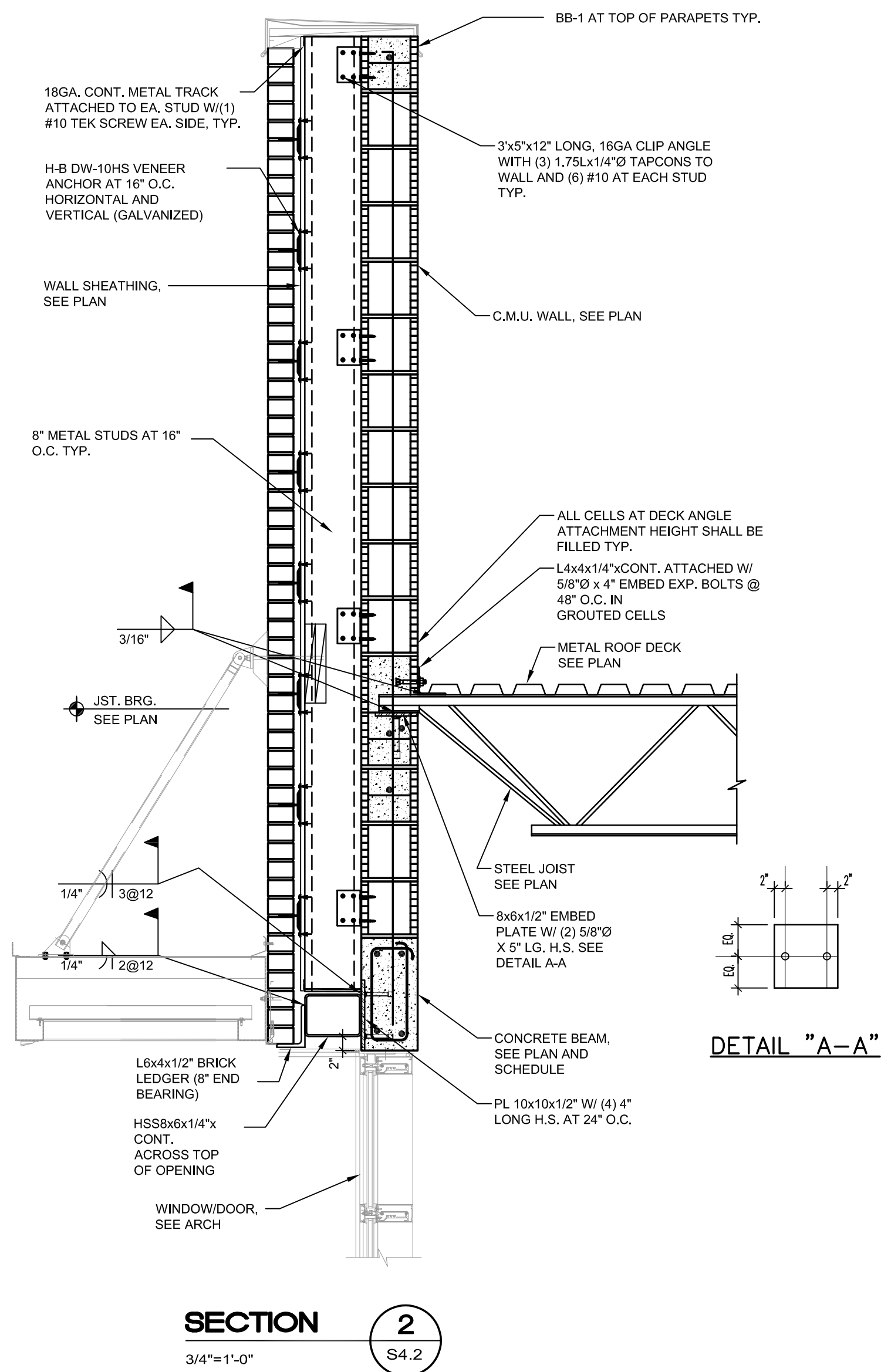
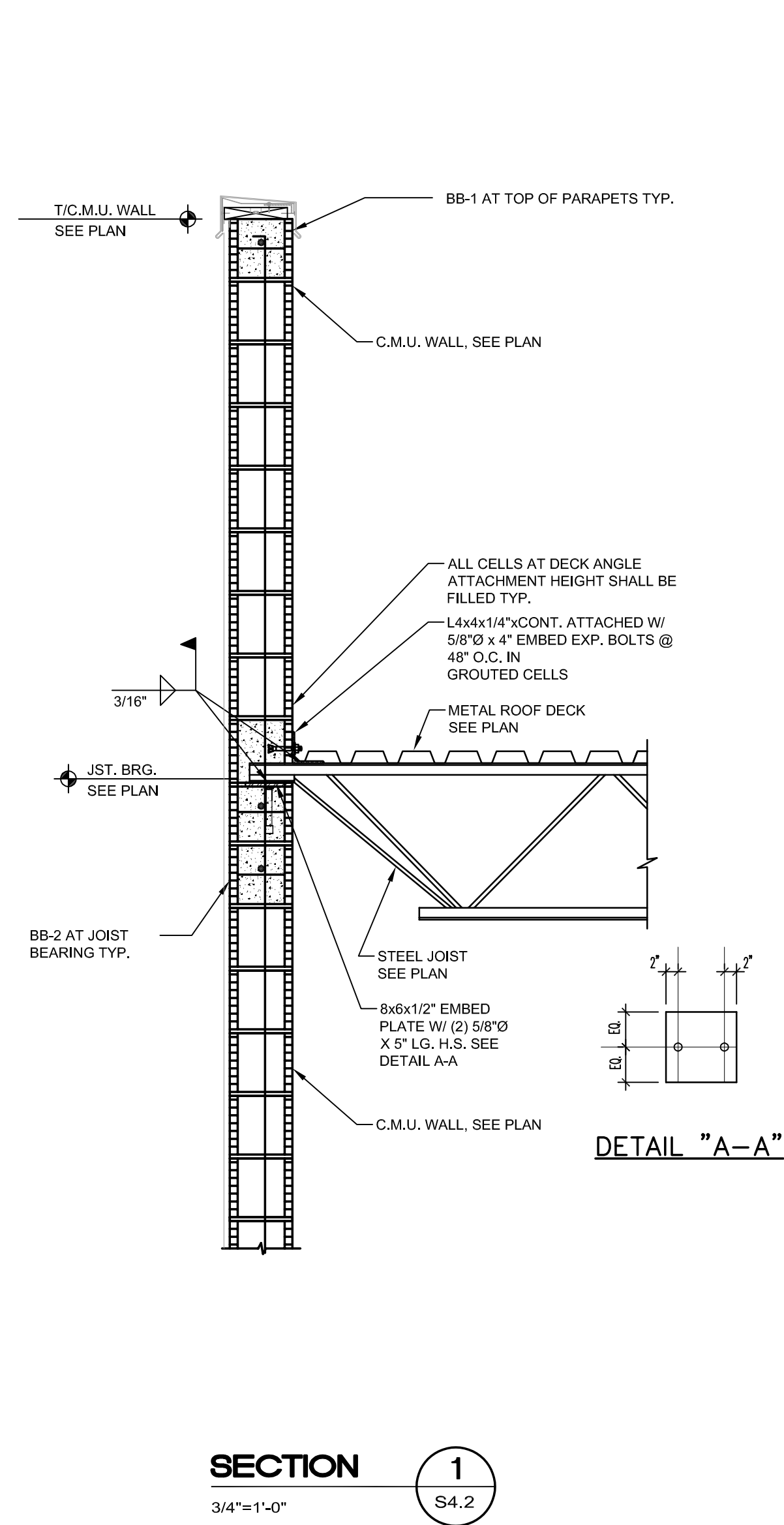
NOTES:

1. ALL PUDDLE WELDS TO BE 5/8"Ø FUSION TYPE (UNO).
2. WELDS TO BE MADE FOLLOWING AWS D1.3 SPECIFICATIONS BY QUALIFIED WELDING OPERATORS.
3. ALL DECK END LAPS TO BE A MINIMUM OF 2'.
4. SEE SECTIONS & DETAILS FOR ADDITIONAL WELDS REQUIRED
5. HILTI X-ENP-19 DECK PINS MAY BE USED IN LIEU OF 5/8" PUDDLE WELDS AT THE SAME SPACING.

ROOF FRAMING NOTES:

1. ALL METAL ROOF DECK SHALL BE 1.5" TYPE B 20GA TYPICAL SEE SCHEDULE & NOTES ON THIS SHEET FOR ATTACHMENT.
2. L# INDICATES PRECAST LINTEL. SEE SCHEDULE FOR SIZE & REINFORCING.
3. BB# INDICATES MASONRY BOND BEAM, SEE SCHEDULE FOR SIZE & REINFORCING.
4. PROVIDE A 8X8 MASONRY BOND BEAM (BB1) WITH (1) #5 CONTINUOUS AT THE TOP OF ALL WALLS. PROVIDE AN 8X16 MASONRY BOND BEAM AT ALL JOIST & DECK BEARING LOCATIONS WITH (1) #5 CONTINUOUS TOP & BOTTOM, TYPICAL
5. VERIFY ALL TOP OF MASONRY WALL ELEVATIONS WITH ARCH DRAWINGS PRIOR TO FABRICATION & CONSTRUCTION, TYPICAL
6. VERIFY ALL BOTTOM OF BEAM/LINTEL ELEVATIONS WITH ARCH DRAWINGS PRIOR TO FABRICATION & CONSTRUCTION, TYPICAL
7. PROVIDE A CONTINUOUS BB1 AT 10'-8" TYPICAL.
8. REFER TO ARCH/L MECH/L DRAWINGS FOR ROOF TOP EQUIPMENT SIZE & LOCATION, TYPICAL
9. STEP BB2 AS REQUIRED TO MATCH DECK ATTACHMENT ALONG MASONRY WALL.
10. SEE ARCH. FOR DIMENSIONS NOT SHOWN, TYPICAL
11. THE G.C. SHALL VERIFY WEIGHT & LOCATION OF ALL MECH/L EQUIPMENT TO BE SUPPORTED BY ROOF STRUCTURE WITH MECH/L & EQUIPMENT SUPPLIER PRIOR TO FABRICATION & CONSTRUCTION. REPORT ANY DISCREPANCIES TO ARCHITECT & ENGINEER.
12. CONCRETE COLUMNS SHALL EXTEND TO TOP OF BOND BEAMS AT ROOF DECK/JOIST BEARING HEIGHTS TYP.
13. JOIST MANUFACTURER NOTE: ENGINEER HAS DESIGNED THE JOISTS FOR THE LOADS SHOWN.





NO.	DESCRIPTION	DATE