

NOMINAL BEAM SIZE	No. OF 3/4" DIA. A325-N BOLTS (n)	
	ROOF PURLIN ONLY	ROOF GIRDER OR COMPOSITE FLOOR MEMBER
W8, W10	2	2
W12, W14	2	3
W16	3	4
W18	4	5
W21	4	6
W24, W27	N/A	7

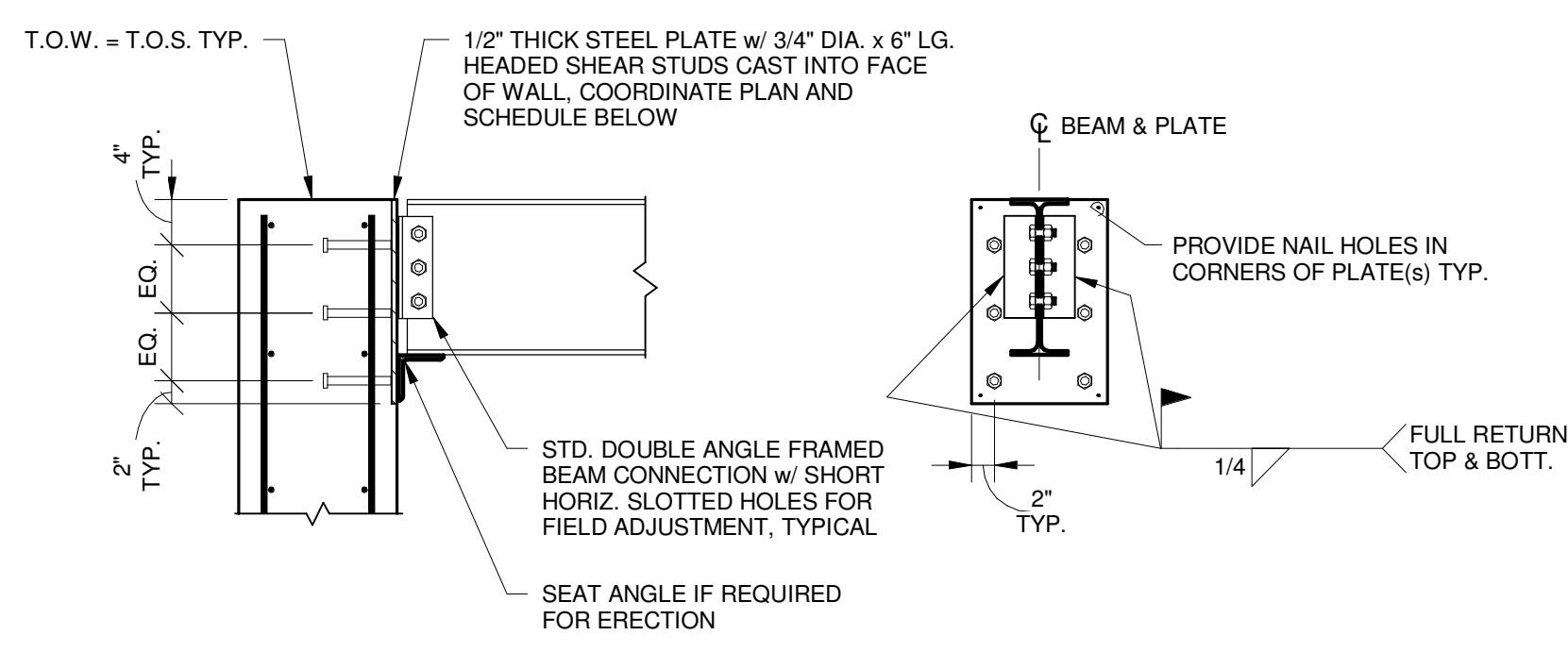
REACTION: $R = (W/3) \times C$

W = FROM AISC 13TH EDITION TABLE 3-6: "MAXIMUM TOTAL UNIFORM LOADS" FOR GIVEN SPAN (SEE PLAN) USING ASD.

C = FROM CHART BELOW

BEAM SIZE	C
W12 OR SMALLER	2.5
W14 TO W21	2.0
W24 AND LARGER	1.75

NOTE: WHERE BEAM SUPPORTS ANOTHER MEMBER NEAR ITS SUPPORT, CONNECTIONS SHALL BE DESIGNED FOR SUM OF BEAM REACTIONS AS CALCULATED ABOVE



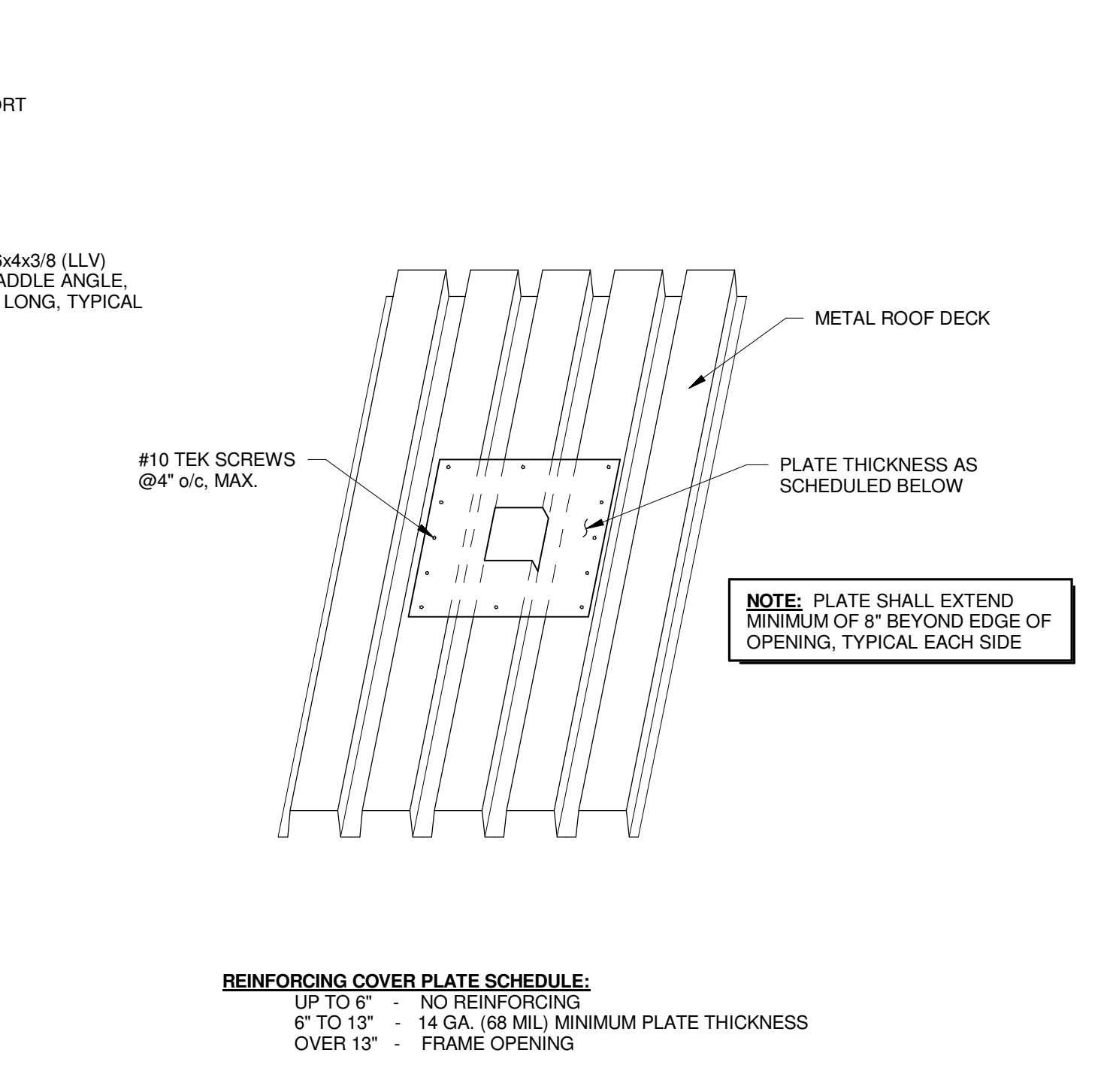
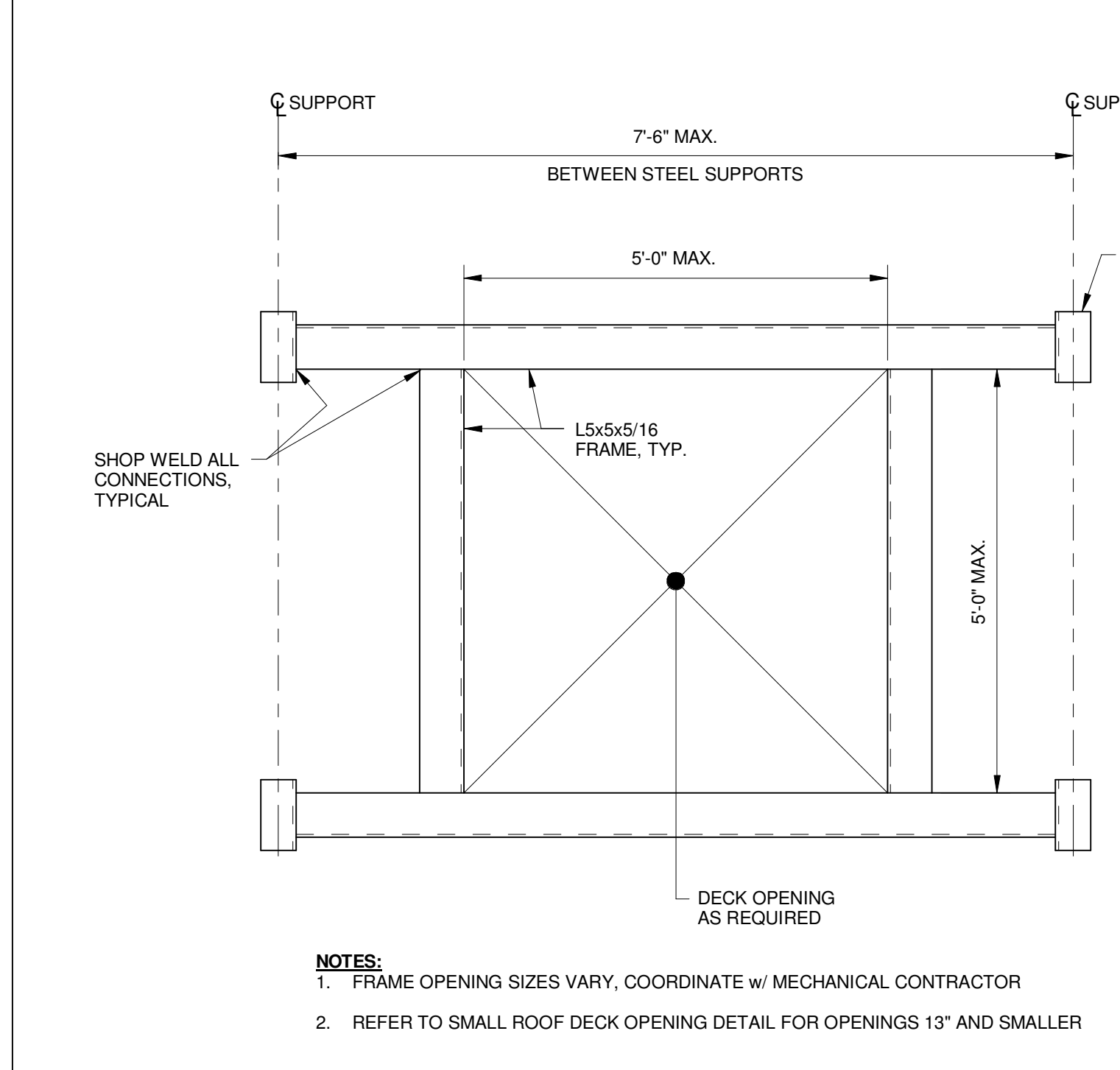
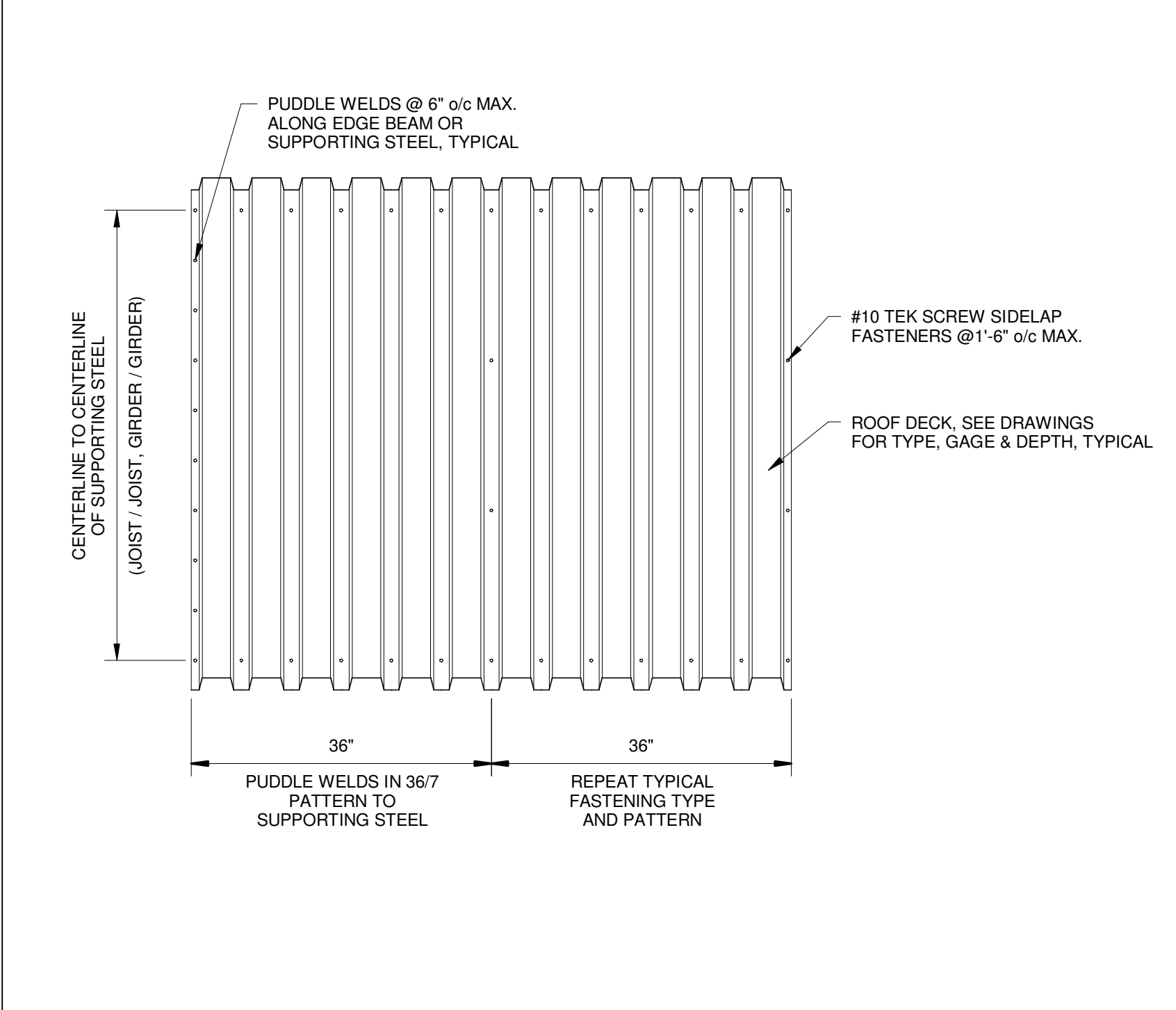
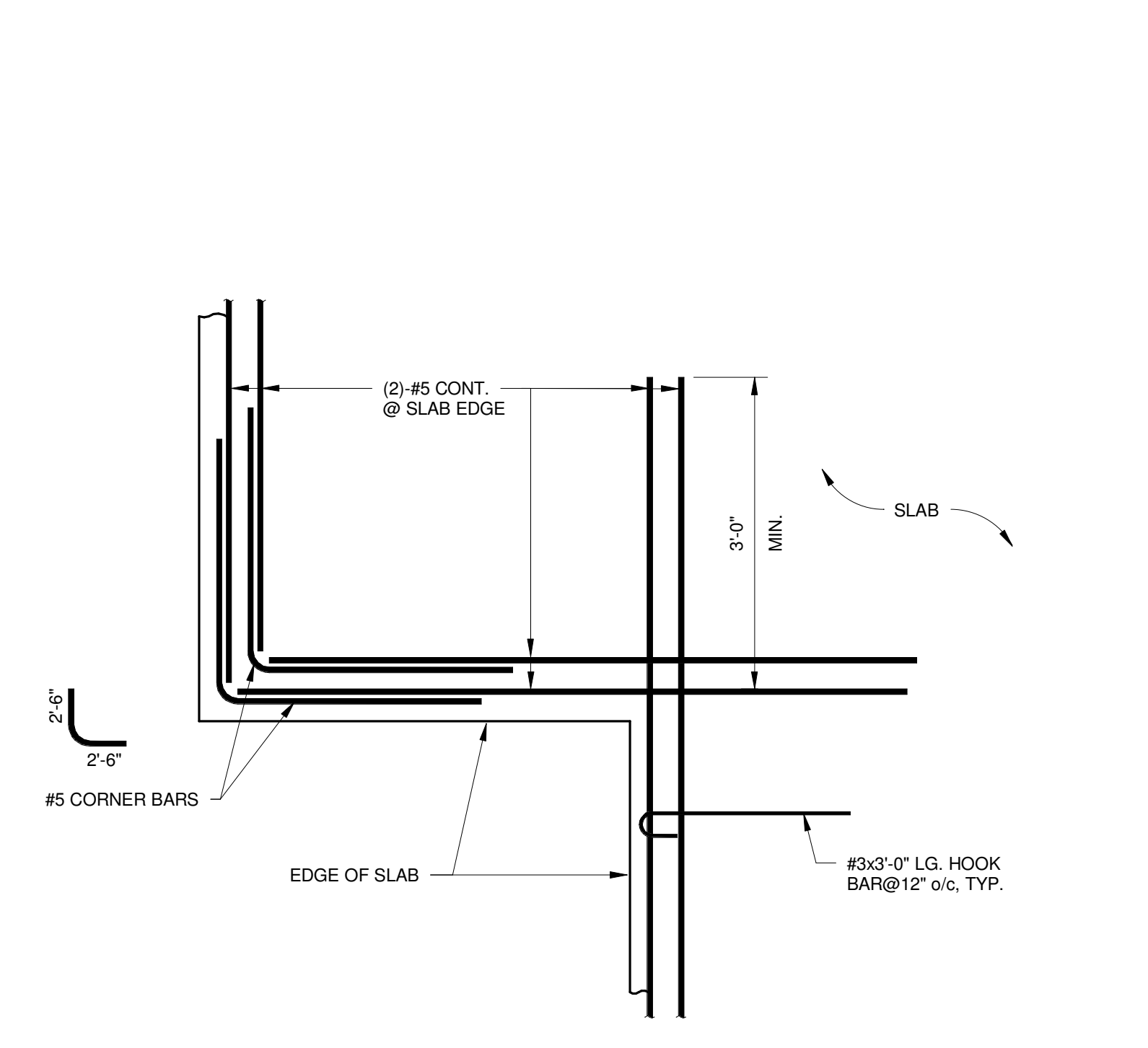
BEAM SIZE	PLATE SIZE	NUMBER OF STUDS
W8, W10	12" x 14"	2 ROWS OF 2 = 4
W12, W14	12" x 18"	3 ROWS OF 2 = 6
W16, W18	12" x 24"	4 ROWS OF 2 = 8
W21	14" x 30"	4 ROWS OF 3 = 12

K1 SECTION
1 1/2" = 1'-0"

K4 TYPICAL W BEAM TO W GIRDER / BEAM
3/4" = 1'-0"

K8 BEAM REACTION FOR SIMPLE SHEAR CONNECTION DESIGN AT W GIRDER/BEAM TO HSS COLUMN
3/4" = 1'-0"

K11 TYPICAL EMBEDDED PLATE
3/4" = 1'-0"

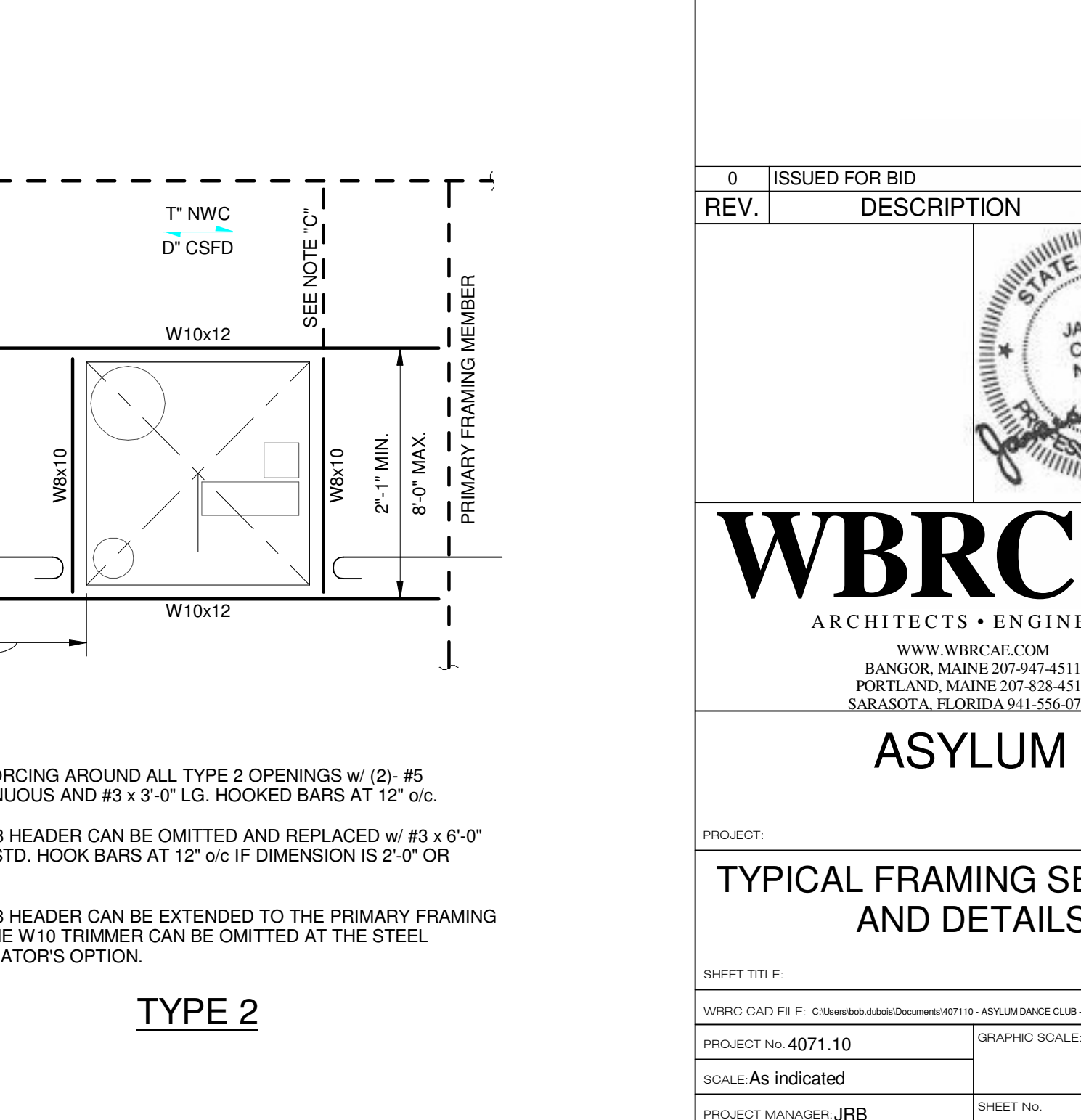
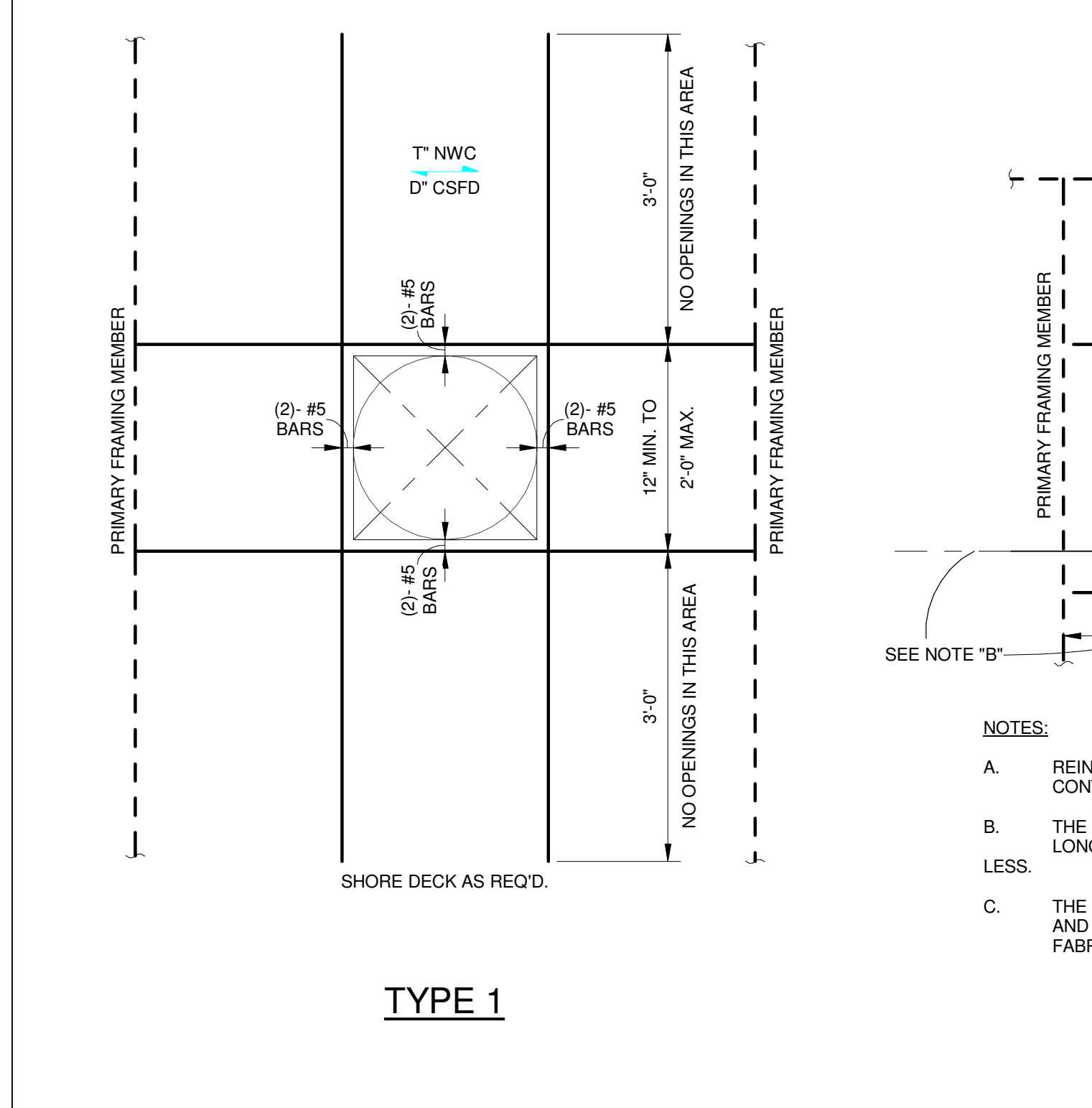
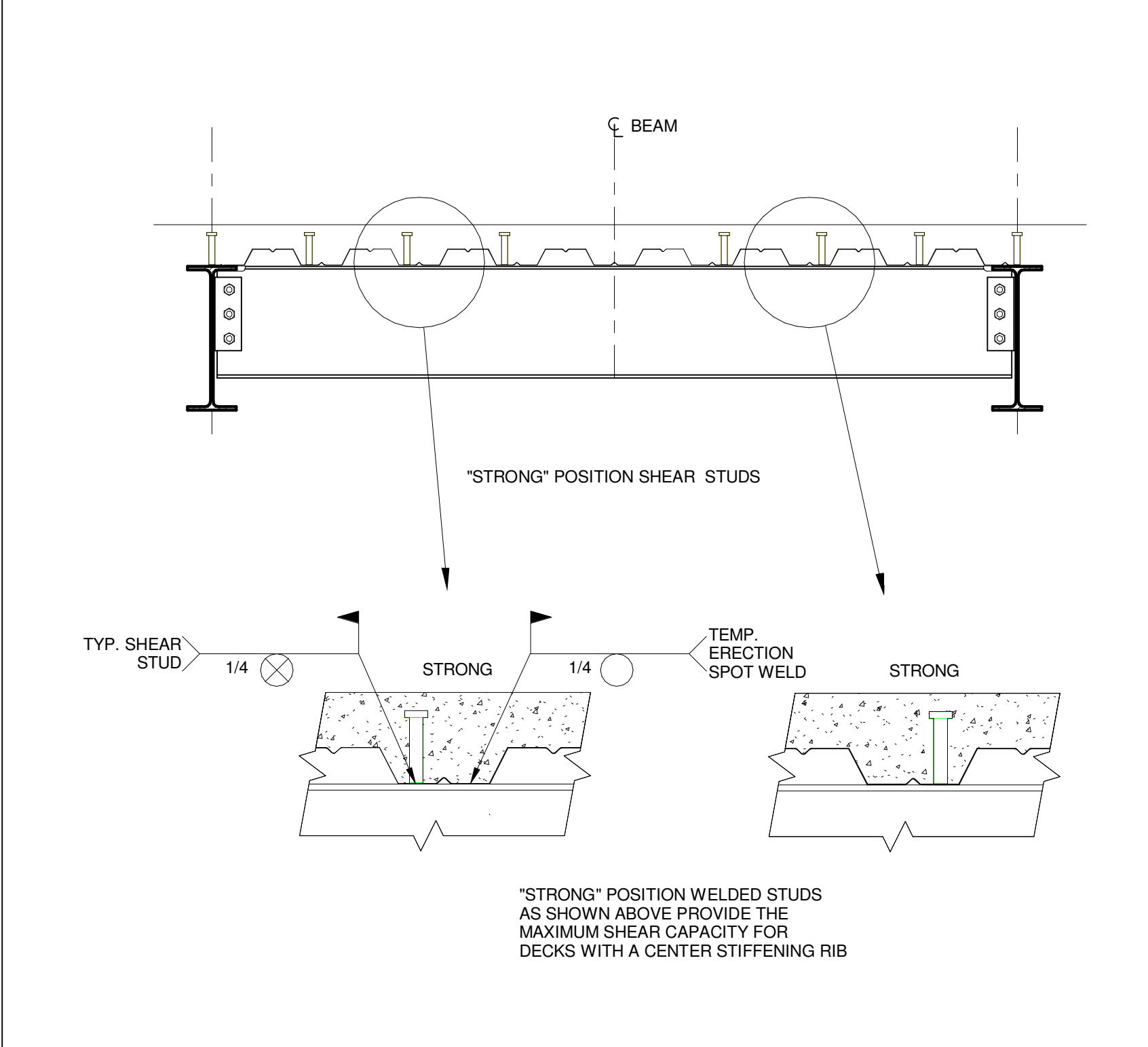


F1 TYPICAL REINFORCEMENT AT SLAB-ON-DECK EDGE
3/4" = 1'-0"

F5 TYPICAL ROOF DECK FASTENER LAYOUT
3/4" = 1'-0"

F10 TYPICAL ROOF DECK OPENING
3/4" = 1'-0"

F14 TYPICAL SMALL ROOF DECK OPENING
3/4" = 1'-0"



A5 TYPICAL SHEAR STUD INSTALLATION
3/4" = 1'-0"

A10 TYPICAL COMPOSITE FLOOR SLAB OPENINGS
3/4" = 1'-0"

A10 TYPICAL COMPOSITE FLOOR SLAB OPENINGS
3/4" = 1'-0"

A10 TYPICAL COMPOSITE FLOOR SLAB OPENINGS
3/4" = 1'-0"

0	ISSUED FOR BID	06 JUNE 2016
REV.	DESCRIPTION	DATE
WBRC ARCHITECTS • ENGINEERS WWW.WBRCAE.COM BANGOR, MAINE 207-947-4511 PORTLAND, MAINE 207-838-4511 SARASOTA, FLORIDA 341-556-0757		
ASYLUM		
PROJECT:		
TYPICAL FRAMING SECTIONS AND DETAILS		
SHEET TITLE:		
WBRC CAD FILE: C:\Users\jpc\Documents\407110 - ASYLUM DANCE CLUB - STRUCT_30606.rvt		
PROJECT No: 4071.10	GRAPHIC SCALE: 0" = 1"	
SCALE: As indicated	SHEET No:	
PROJECT MANAGER: JRB	S-500	
DRAWN BY: ADG/RAD/JHW	CHECKED BY: JPC	