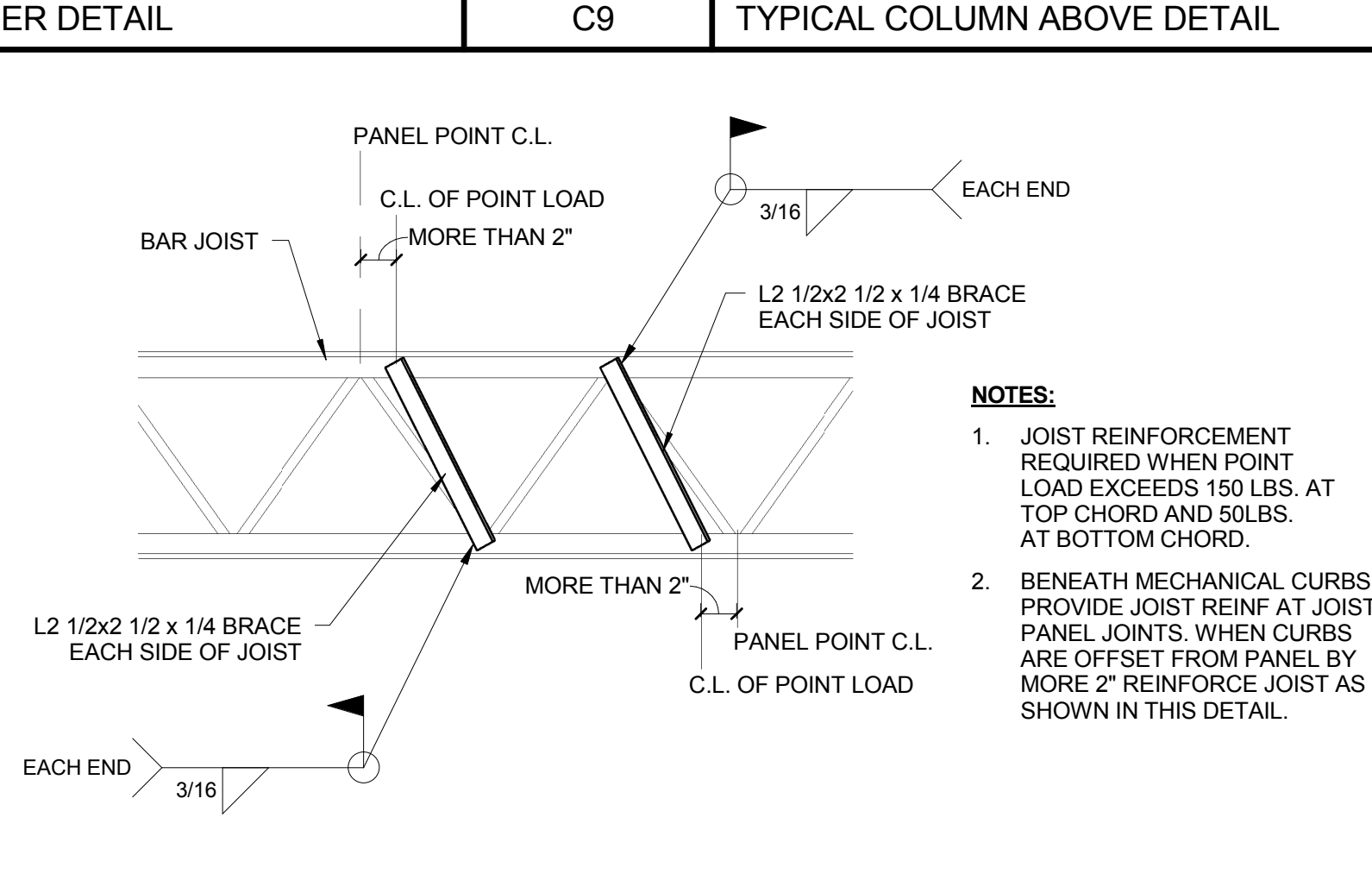
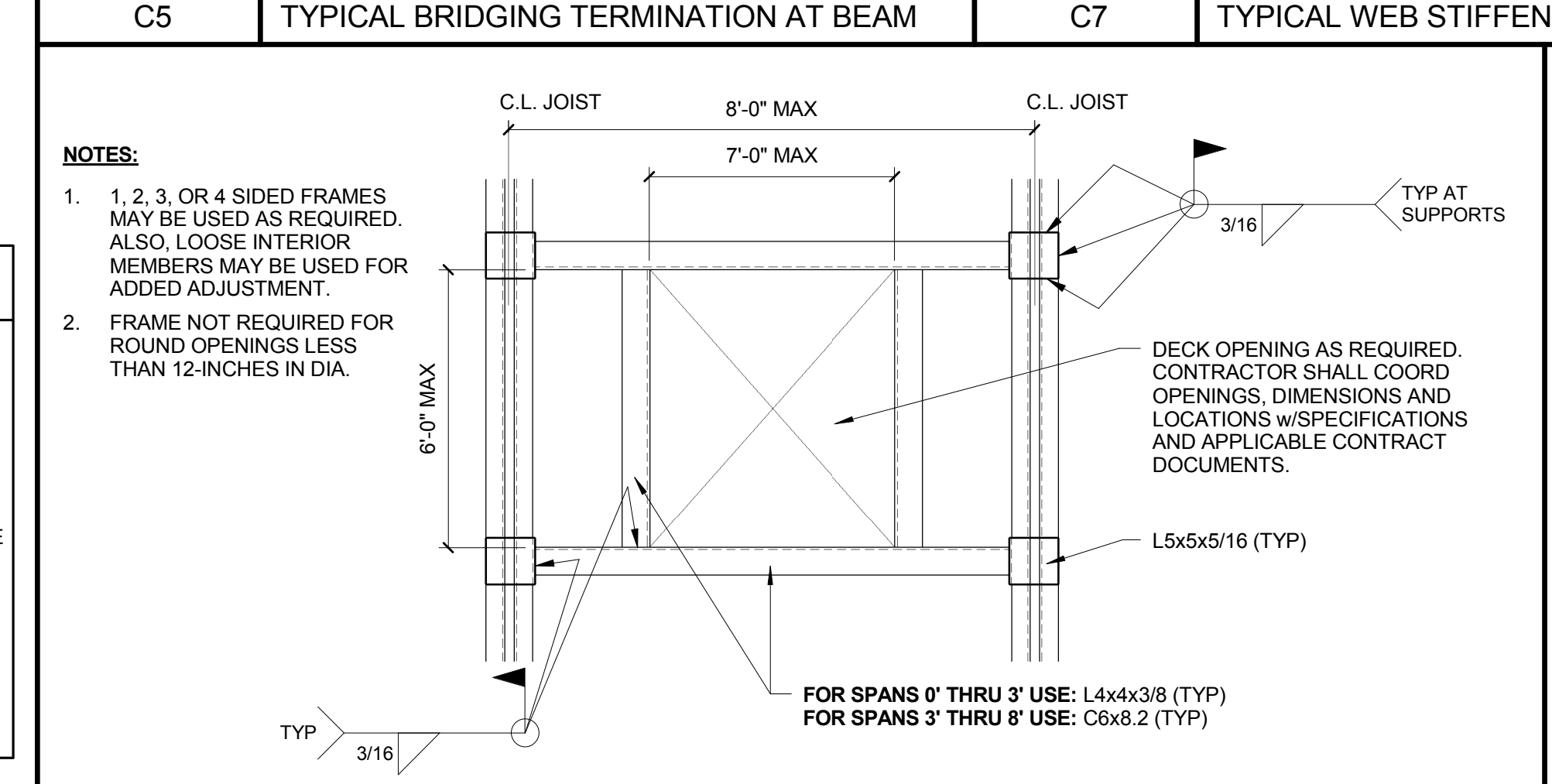
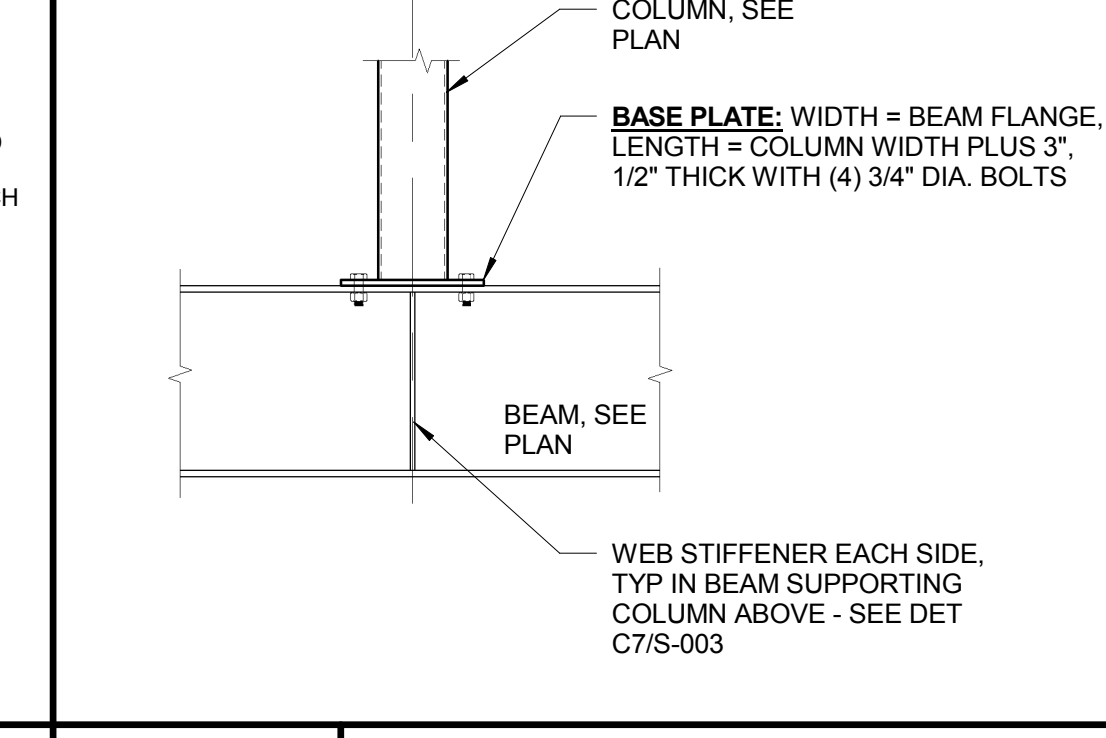
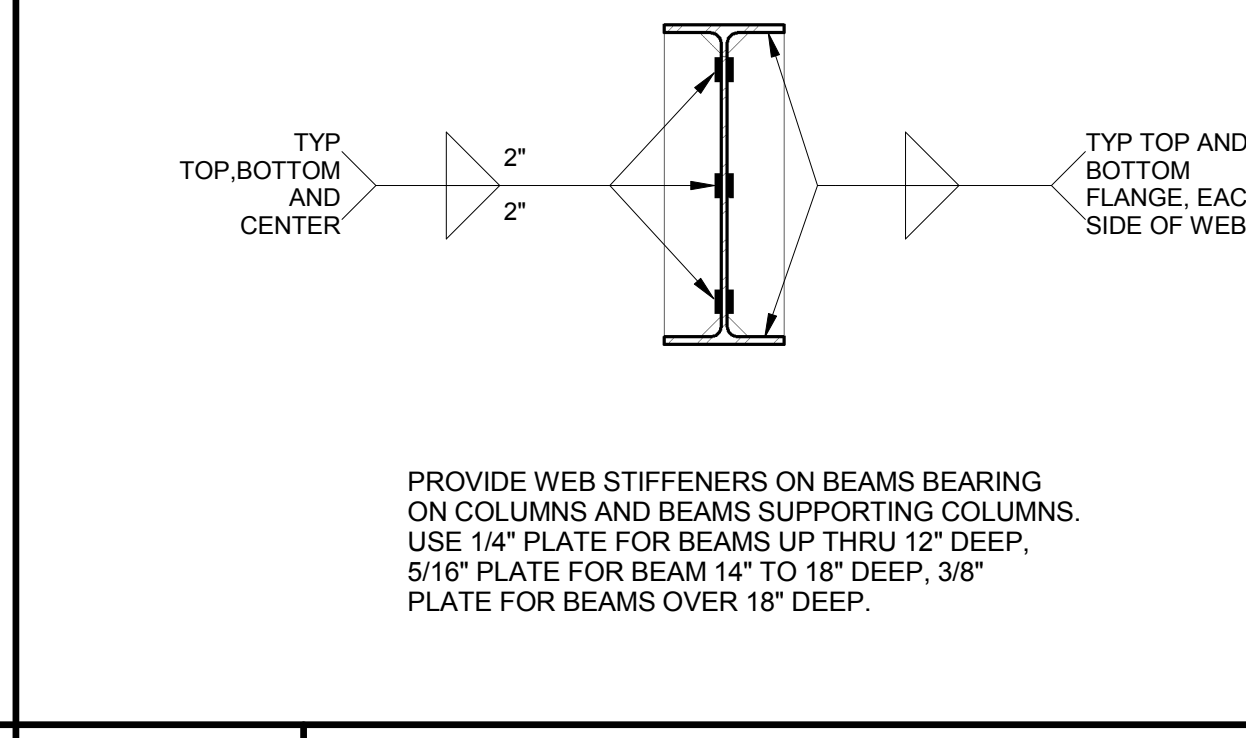
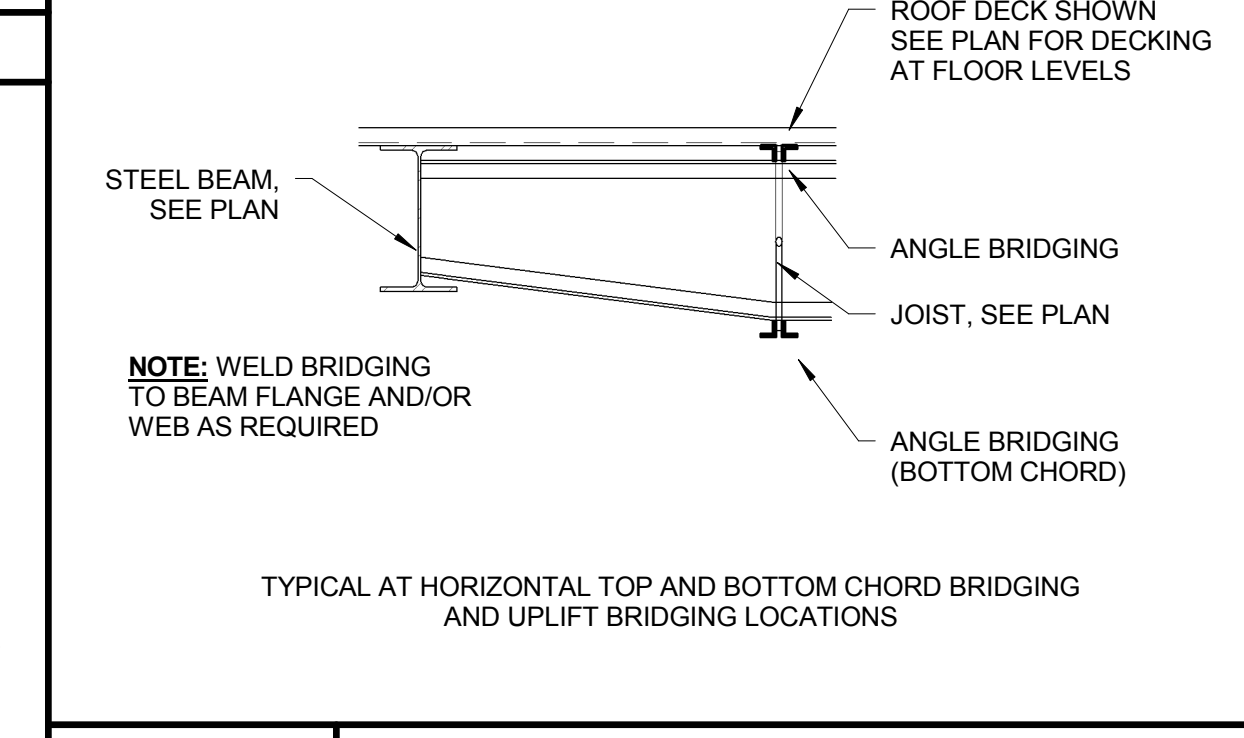


Standard Shear Tab:		
(Beam / Column Connection)	(Beam / Beam Connection)	
N (rows)	ASD Load (Kips)	Plate
2	16.3	1/4"
3	25.6	1/4"
4	34.8	1/4"
5	53.0	3/8"
6	63.6	3/8"
7	74.2	3/8"
8	84.8	3/8"
9	95.4	3/8"
10	103.0	3/8"

Standard Single Clip Angle: L4"x3"x3/8"		
(welded column / bolted beam)	(welded beam / bolted beam)	
N (rows)	ASD Load (Kips)	Min. Weld
2	21.2	1/4"
3	31.8	1/4"
4	42.4	1/4"
5	53.0	1/4"
6	63.6	1/4"
7	74.2	1/4"
8	84.8	1/4"
9	95.4	1/4"
10	106.0	1/4"

Standard Double Clip Angles (2) Beam / Beam Connection		
(welded to supported beam)	(bolted to supporting beam)	
N (rows)	ASD Load (Kips)	Min. Weld
2	50.2	3/16"
3	73.4	3/16"
4	94.9	3/16"
5	115.0	3/16"
6	134.0	3/16"
7	152.0	3/16"
8	169.0	3/16"
9	186.0	3/16"
10	202.0	3/16"

CONNECTION SCHEDULE							CAPACITY (KIP)	NOTES:
BEAM	N	L	T	D	S			
W8	2	6"	1/4"	1"	3"	16.3	1. BOLTS SHALL BE 3/4" DIA. A325N (U.N.O.) 2. N = NUMBER OF BOLTS 3. L = LENGTH OF PLATE 4. T = THICKNESS OF PLATE 5. D = DEPTH OF PLATE FROM TOP FLANGE OF BEAM 6. S = BOLT SPACING 7. SIMILAR AT CHANNEL SECTIONS OF SAME DEPTH	
W10	2	6"	1/4"	1 1/2"	3"	16.3		
W12	3	9"	1/4"	1 1/2"	3"	25.6		
W14	4	11 1/2"	3/8"	1 1/2"	3"	42.4		
W16	4	12"	3/8"	1 1/2"	3"	42.4		
W18	5	15"	3/8"	1 1/2"	3"	53.0		
W21	6	18"	3/8"	1 1/2"	3"	63.6		
W24	7	20 1/2"	3/8"	1 1/2"	3"	74.2		



160 Veranda Street  
Portland, Maine 04103  
T: 207.221.2260  
F: 207.221.2266  
Web: www.allied-eng.com

**Allied Engineering**  
Structural Mechanical Electrical Commissioning

**GRANT HAYS ASSOCIATES**  
ARCHITECTURE & INTERIOR DESIGN  
P.O. BOX 6179 FALMOUTH MAINE 04105  
207.871.9900 www.granthays.com

DATE: \_\_\_\_\_  
DRAWN BY: Author  
CHECKED BY: Checker  
PROJECT MGR: WPF  
PROJECT NO: 15028  
CARD NO: 15028S.rvt  
GRAPHIC SCALE: 0"

**NEA** NORTH EAST AIR  
PORTLAND INTERNATIONAL AIRPORT  
1011 WESTBROOK STREET PORTLAND, MAINE 04102  
© COPYRIGHT 2015 ALLIED ENGINEERING, INC.

**S-003**

**95% CD SET ~ 14 DECEMBER 2015 ~ NOT FOR CONSTRUCTION**