

Site Number: 10047
 Site Name: PORTLAND ME, ME
 Customer: T-MOBILE

Code: ANSI/TIA-222-G
 Engineering Number: OAA706994_C3_01

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 7/26/2017 2:24:49 PM

Force/Stress Summary

Section: 25 4		Bot Elev (ft): 267.6		Height (ft): 1.167											
		Pu (kip)	Load Case	Len (ft)	Bracing %			Fy (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
Max Compression Member															
LEG	SOL - 1 3/4" SOLID	-20.24	1.2D + 1.0Di +	1.17	100	100	100	32.0	50.0	100.43	0	0	0.00	0.00	20 Member X
HORIZ		0.00		0.000	0	0	0	0.0	0.0	0.00	0	0	0.00	0.00	0
DIAG	SOL - 3/4" SOLID	-7.03	1.2D + 1.6W 90	2.103	97	97	97	117.5	50.0	7.23	0	0	0.00	0.00	97 Member X
Max Tension Member															
		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls		
LEG		0.00		0	0	0.00	0	0	0.00	0.00		0			
HORIZ		0.00		0	0	0.00	0	0	0.00	0.00	0.00	0			
DIAG	SOL - 3/4" SOLID	3.23	1.2D + 1.6W 90	50	65	19.88	0	0	0.00	0.00	0.00	16	Member		
Max Splice Forces															
		Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type								
Top Tension		0.00		0.00	0	0									
Top Compression		20.24	1.2D + 1.0Di +	0.00	0										
Bot Tension		0.00		0.00	0										
Bot Compression		24.72	1.2D + 1.0Di +	0.00	0										

Section: 26 4		Bot Elev (ft): 268.8		Height (ft): 1.167											
		Pu (kip)	Load Case	Len (ft)	Bracing %			Fy (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
Max Compression Member															
LEG	SOL - 1 3/4" SOLID	-4.70	1.2D + 1.6W	1.17	100	100	100	32.0	50.0	100.43	0	0	0.00	0.00	4 Member X
HORIZ	PL - PL 3 x 0.375	-1.66	1.2D + 1.6W 60	1.750	96	96	96	121.3	50.0	17.27	0	0	0.00	0.00	9 Member Y
DIAG	SOL - 3/4" SOLID	-3.79	1.2D + 1.6W 90	2.103	97	97	97	117.5	50.0	7.23	0	0	0.00	0.00	52 Member X
Max Tension Member															
		Pu (kip)	Load Case	Fy (ksi)	Fu (ksi)	Phit Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Blk Shear phit Pn (kip)	Use %	Controls		
LEG	SOL - 1 3/4" SOLID	6.07	1.2D + 1.6W 60	50	65	108.24	0	0	0.00	0.00		5	Member		
HORIZ	PL - PL 3 x 0.375	11.77	1.2D + 1.6W	50	65	50.63	0	0	0.00	0.00	0.00	23	Member		
DIAG	SOL - 3/4" SOLID	0.02	1.2D + 1.6W 90	50	65	19.88	0	0	0.00	0.00	0.00	0	Member		
Max Splice Forces															
		Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type								
Top Tension		2.24	1.2D + 1.6W 60	0.00	0	0									
Top Compression		4.83	1.2D + 1.6W	0.00	0										
Bot Tension		0.00		0.00	0										
Bot Compression		20.24	1.2D + 1.0Di +	0.00	0										