

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

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

© 2007 - 2017 by ATC IP LLC. All rights reserved.
 7/26/2017 2:24:49 PM

Force/Stress Summary

Section: 11 2		Bot Elev (ft): 180.0		Height (ft): 20.000											
		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 - 2" SOLID	-73.41	1.2D + 1.0Di +	2.33	100	100	100	56.0	50.0	112.40	0	0	0.00	0.00	65 Member X
HORIZ	SOL - 3/4" SOLID	-0.22	1.2D + 1.6W	3.500	96	96	96	139.8	50.0	5.11	0	0	0.00	0.00	4 Member X
DIAG	SOL - 3/4" SOLID	-1.38	1.2D + 1.6W 90	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	20 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	SOL - 3/4" SOLID	0.67	1.2D + 1.6W 60	50	65	19.88	0	0	0.00	0.00	0.00	3	Member		
DIAG	SOL - 3/4" SOLID	0.90	1.2D + 1.6W 90	50	65	19.88	0	0	0.00	0.00	0.00	4	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		68.81	1.2D + 1.0Di +	141.40	49										
Bot Tension		0.00		0.00	0										
Bot Compression		73.70	1.2D + 1.0Di +	0.00	0										

Section: 12 2		Bot Elev (ft): 200.0		Height (ft): 1.500											
		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 - 2" SOLID	-67.45	1.2D + 1.0Di +	0.83	100	100	100	20.0	50.0	137.30	0	0	0.00	0.00	49 Member X
HORIZ	SOL - 3/4" SOLID	-1.73	1.2D + 1.6W 90	1.750	96	96	96	69.9	50.0	13.91	0	0	0.00	0.00	12 Member X
DIAG	SOL - 3/4" SOLID	-1.94	1.2D + 1.6W	1.938	97	97	97	108.3	50.0	8.44	0	0	0.00	0.00	23 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	SOL - 3/4" SOLID	1.76	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	8	Member		
DIAG	SOL - 3/4" SOLID	1.81	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	9	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		67.99	1.2D + 1.0Di +	0.00	0										
Bot Tension		0.00		0.00	0										
Bot Compression		68.81	1.2D + 1.0Di +	0.00	0										