

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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### Force/Stress Summary

Section: 9 1		Bot Elev (ft): 140.0		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
<b>Max Compression Member</b>															
LEG	SOL - 2 1/4" SOLID	-87.43	1.2D + 1.0Di +	2.33	100	100	100	49.8	50.0	149.28	0	0	0.00	0.00	58 Member X
HORIZ	SOL - 3/4" SOLID	-0.10	1.2D + 1.6W	3.500	95	95	95	138.3	50.0	5.22	0	0	0.00	0.00	1 Member X
DIAG	SOL - 3/4" SOLID	-1.51	1.2D + 1.6W 90	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	22 Member X
<b>Max Tension Member</b>															
		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	0.75	1.2D + 1.6W 60	50	65	19.88	0	0	0.00	0.00	0.00	3	Member		
DIAG	SOL - 3/4" SOLID	0.84	1.2D + 1.6W 60	50	65	19.88	0	0	0.00	0.00	0.00	4	Member		
<b>Max Splice Forces</b>															
		Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type								
Top Tension		0.00		0.00	0	0									
Top Compression		84.14	1.2D + 1.0Di +	178.90	47										
Bot Tension		0.00		0.00	0										
Bot Compression		88.64	1.2D + 1.0Di +	0.00	0										

Section: 10 1		Bot Elev (ft): 160.0		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
<b>Max Compression Member</b>															
LEG	SOL - 2 1/4" SOLID	-82.67	1.2D + 1.0Di +	2.33	100	100	100	49.8	50.0	149.28	0	0	0.00	0.00	55 Member X
HORIZ	SOL - 3/4" SOLID	-0.41	1.2D + 1.6W 60	3.500	95	95	95	138.3	50.0	5.22	0	0	0.00	0.00	7 Member X
DIAG	SOL - 3/4" SOLID	-2.05	1.2D + 1.6W	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	30 Member X
<b>Max Tension Member</b>															
		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	1.08	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	5	Member		
DIAG	SOL - 3/4" SOLID	1.82	1.2D + 1.6W 60	50	65	19.88	0	0	0.00	0.00	0.00	9	Member		
<b>Max Splice Forces</b>															
		Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type								
Top Tension		0.00		0.00	0	0									
Top Compression		73.70	1.2D + 1.0Di +	178.90	41										
Bot Tension		0.00		0.00	0										
Bot Compression		84.14	1.2D + 1.0Di +	0.00	0										