

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: 23		4		Bot Elev (ft): 265.0				Height (ft): 1.500							
Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing %			F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	SOL - 1 3/4" SOLID	-41.60	1.2D + 1.6W 60	0.83	100	100	100	22.9	50.0	104.18	0	0	0.00	0.00	39 Member X
HORIZ	SOL - 3/4" SOLID	-3.48	1.2D + 1.0Di +	3.500	96	96	96	139.8	50.0	5.11	0	0	0.00	0.00	68 Member X
DIAG		0.00		0.000	0	0	0	0.0	0.00	0.00	0	0	0.00	0.00	

  

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	4.62	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	23	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		41.61	1.2D + 1.6W 180	0.00	0		
Bot Tension		0.00		0.00	0		
Bot Compression		40.87	1.2D + 1.6W 180	0.00	0		

Section: 24		4		Bot Elev (ft): 266.5				Height (ft): 1.166							
Max Compression Member		Pu (kip)	Load Case	Len (ft)	Bracing %			F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG	SOL - 1 3/4" SOLID	-31.40	1.2D + 1.6W 60	1.17	100	100	100	32.0	50.0	100.44	0	0	0.00	0.00	31 Member X
HORIZ	PL - PL 3 x 0.375	-6.58	1.2D + 1.6W 90	1.750	96	96	96	121.3	50.0	17.26	0	0	0.00	0.00	38 Member Y
DIAG	SOL - 3/4" SOLID	-2.94	1.2D + 1.6W 90	2.103	97	97	97	117.5	50.0	7.23	0	0	0.00	0.00	40 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	7.17	1.2D + 1.6W 90	50	65	19.88	0	0	0.00	0.00	0.00	36	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		24.72	1.2D + 1.0Di +	0.00	0		
Bot Tension		0.00		0.00	0		
Bot Compression		41.61	1.2D + 1.6W 180	0.00	0		