

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: 15 2		Bot Elev (ft): 212.6						Height (ft): 1.166							
		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	-54.03	1.2D + 1.0Di +	1.17	100	100	100	28.0	50.0	133.50	0	0	0.00	0.00	40 Member X
HORIZ	PL - PL 3 x 0.375	-7.78	1.2D + 1.6W	1.750	96	96	96	121.3	50.0	17.27	0	0	0.00	0.00	45 Member Y
DIAG	SOL - 3/4" SOLID	-7.34	1.2D + 1.6W 90	2.103	97	97	97	117.5	50.0	7.23	0	0	0.00	0.00	101 Member X

  

		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
Max Tension Member													
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	5.07	1.2D + 1.6W 90	50	65	19.88	0	0	0.00	0.00	0.00	25	Member

  

		Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Max Splice Forces							
Top Tension		0.00		0.00	0	0	
Top Compression		59.63	1.2D + 1.6W 240	0.00	0		
Bot Tension		0.00		0.00	0		
Bot Compression		61.46	1.2D + 1.0Di +	0.00	0		

Section: 16 2		Bot Elev (ft): 213.8						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 - 2" SOLID	-65.57	1.2D + 1.6W	1.17	100	100	100	28.0	50.0	133.49	0	0	0.00	0.00	49 Member X
HORIZ	SOL - 3/4" SOLID	0.00	1.2D + 1.6W 90	1.750	96	96	96	69.9	50.0	13.91	0	0	0.00	0.00	0 Member X
DIAG	SOL - 3/4" SOLID	-5.65	1.2D + 1.6W 60	2.103	97	97	97	117.5	50.0	7.23	0	0	0.00	0.00	78 Member X

  

		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
Max Tension Member													
LEG		0.00		0	0	0.00	0	0	0.00	0.00		0	
HORIZ	SOL - 3/4" SOLID	1.47	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	7	Member
DIAG	SOL - 3/4" SOLID	5.41	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	27	Member

  

		Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type
Max Splice Forces							
Top Tension		0.00		0.00	0	0	
Top Compression		65.57	1.2D + 1.6W 240	0.00	0		
Bot Tension		0.00		0.00	0		
Bot Compression		59.63	1.2D + 1.6W 240	0.00	0		