

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: 17 2		Bot Elev (ft): 215.0				Height (ft): 1.167									
		Pu	Len	Bracing %			F'y	Phic Pn	Num	Num	Shear	Bear	Use		
		(kip)	(ft)	X	Y	Z	KL/R	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	% Controls	
Max Compression Member		Load Case										(kip)	(kip)		
LEG	SOL - 2" SOLID	-59.43	1.2D + 1.6W	1.17	100	100	100	28.0	50.0	133.49	0	0	0.00	0.00	44 Member X
HORIZ	PL - PL 3 x 0.375	-2.82	1.2D + 1.6W 60	1.750	96	96	96	121.3	50.0	17.27	0	0	0.00	0.00	16 Member Y
DIAG	SOL - 3/4" SOLID	-2.05	1.2D + 1.6W 60	2.103	97	97	97	117.5	50.0	7.23	0	0	0.00	0.00	28 Member X

Max Tension Member		Pu	Fy	Fu	Phit Pn	Num	Num	Shear	Bear	Blk Shear	Use	Controls
		(kip)	(ksi)	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	phit Pn	%	
		Load Case						(kip)	(kip)	(kip)		
LEG	SOL - 2" SOLID	12.25	50	65	141.37	0	0	0.00	0.00		8	Member
HORIZ	PL - PL 3 x 0.375	12.48	50	65	50.63	0	0	0.00	0.00	0.00	24	Member
DIAG	SOL - 3/4" SOLID	2.00	50	65	19.88	0	0	0.00	0.00	0.00	10	Member

Max Splice Forces		Pu	phiRnt	Use	Num	Bolt Type
		(kip)	(kip)	%	Bolts	
Top Tension	1.2D + 1.6W 300	9.97	0.00	0	0	
Top Compression	1.2D + 1.6W 240	57.39	0.00	0		
Bot Tension		0.00	0.00	0		
Bot Compression	1.2D + 1.6W 240	65.57	0.00	0		

Section: 18 2		Bot Elev (ft): 216.1				Height (ft): 2.333									
		Pu	Len	Bracing %			F'y	Phic Pn	Num	Num	Shear	Bear	Use		
		(kip)	(ft)	X	Y	Z	KL/R	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	% Controls	
Max Compression Member		Load Case										(kip)	(kip)		
LEG	SOL - 2" SOLID	-52.28	1.2D + 1.6W	2.33	100	100	100	56.0	50.0	112.41	0	0	0.00	0.00	46 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	-4.64	1.2D + 1.6W 90	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	68 Member X

Max Tension Member		Pu	Fy	Fu	Phit Pn	Num	Num	Shear	Bear	Blk Shear	Use	Controls
		(kip)	(ksi)	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	phit Pn	%	
		Load Case						(kip)	(kip)	(kip)		
LEG	SOL - 2" SOLID	5.32	50	65	141.37	0	0	0.00	0.00		3	Member
HORIZ		0.00	0	0	0.00	0	0	0.00	0.00	0.00	0	
DIAG	SOL - 3/4" SOLID	4.24	50	65	19.88	0	0	0.00	0.00	0.00	21	Member

Max Splice Forces		Pu	phiRnt	Use	Num	Bolt Type
		(kip)	(kip)	%	Bolts	
Top Tension	1.2D + 1.6W 300	1.30	0.00	0	0	
Top Compression	1.2D + 1.6W 240	48.81	0.00	0		
Bot Tension	1.2D + 1.6W 300	9.97	0.00	0		
Bot Compression	1.2D + 1.6W 240	57.39	0.00	0		