

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: 3				Bot Elev (ft): 20.00		Height (ft): 20.000									
		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 1/4" SOLID	-116.74	2.33	100	100	100	49.8	50.0	149.28	0	0	0.00	0.00	78	Member X
HORIZ	SOL - 3/4" SOLID	-0.16	3.500	95	95	95	138.3	50.0	5.22	0	0	0.00	0.00	3	Member X
DIAG	SOL - 3/4" SOLID	-1.59	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	23	Member X

		Pu	Fy	Fu	Phit Pn	Num	Num	Shear	Bear	Blk Shear	Use	
		(kip)	(ksi)	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	phit Pn	%	Controls
Max Tension Member		Load Case						(kip)	(kip)	(kip)		
LEG		0.00	0	0	0.00	0	0	0.00	0.00		0	
HORIZ	SOL - 3/4" SOLID	0.66	50	65	19.88	0	0	0.00	0.00	0.00	3	Member
DIAG	SOL - 3/4" SOLID	0.87	50	65	19.88	0	0	0.00	0.00	0.00	4	Member

		Pu	phiRnt	Use	Num		
		(kip)	(kip)	%	Bolts	Bolt Type	
Max Splice Forces							
Top Tension		0.00	0.00	0	0		
Top Compression		114.15	178.90	64			
Bot Tension		0.00	0.00	0			
Bot Compression		117.42	0.00	0			

Section: 4				Bot Elev (ft): 40.00		Height (ft): 20.000									
		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 1/4" SOLID	-114.27	2.33	100	100	100	49.8	50.0	149.28	0	0	0.00	0.00	76	Member X
HORIZ	SOL - 3/4" SOLID	-0.36	3.500	95	95	95	138.3	50.0	5.22	0	0	0.00	0.00	6	Member X
DIAG	SOL - 3/4" SOLID	-2.29	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	33	Member X

		Pu	Fy	Fu	Phit Pn	Num	Num	Shear	Bear	Blk Shear	Use	
		(kip)	(ksi)	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	phit Pn	%	Controls
Max Tension Member		Load Case						(kip)	(kip)	(kip)		
LEG		0.00	0	0	0.00	0	0	0.00	0.00		0	
HORIZ	SOL - 3/4" SOLID	1.14	50	65	19.88	0	0	0.00	0.00	0.00	5	Member
DIAG	SOL - 3/4" SOLID	1.42	50	65	19.88	0	0	0.00	0.00	0.00	7	Member

		Pu	phiRnt	Use	Num		
		(kip)	(kip)	%	Bolts	Bolt Type	
Max Splice Forces							
Top Tension		0.00	0.00	0	0		
Top Compression		109.19	178.90	61			
Bot Tension		0.00	0.00	0			
Bot Compression		114.15	0.00	0			