

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: 7		1		Bot Elev (ft): 100.0				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	-98.78	2.33	100	100	100	49.8	50.0	149.28	0	0	0.00	0.00	66 Member X
HORIZ	SOL - 3/4" SOLID	-0.69	3.500	95	95	95	138.3	50.0	5.22	0	0	0.00	0.00	13 Member X
DIAG	SOL - 3/4" SOLID	-3.11	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	45 Member X

  

		Pu	Fy	Fu	Phit Pn	Num	Num	Shear	Bear	Blk Shear	Use	Controls
		(kip)	(ksi)	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	phit Pn	%	
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	1.42	50	65	19.88	0	0	0.00	0.00	0.00	7	Member
DIAG	SOL - 3/4" SOLID	2.41	50	65	19.88	0	0	0.00	0.00	0.00	12	Member

  

		Pu	phiRnt	Use	Num	Bolt Type
		(kip)	(kip)	%	Bolts	
Max Splice Forces		Load Case				
Top Tension		0.00	0.00	0	0	
Top Compression		90.74	178.90	51		
Bot Tension		0.00	0.00	0		
Bot Compression		99.55	0.00	0		

Section: 8		1		Bot Elev (ft): 120.0				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	-89.83	2.33	100	100	100	49.8	50.0	149.28	0	0	0.00	0.00	60 Member X
HORIZ	SOL - 3/4" SOLID	-0.69	3.500	95	95	95	138.3	50.0	5.22	0	0	0.00	0.00	13 Member X
DIAG	SOL - 3/4" SOLID	-2.77	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	40 Member X

  

		Pu	Fy	Fu	Phit Pn	Num	Num	Shear	Bear	Blk Shear	Use	Controls
		(kip)	(ksi)	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	phit Pn	%	
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	1.18	50	65	19.88	0	0	0.00	0.00	0.00	5	Member
DIAG	SOL - 3/4" SOLID	2.13	50	65	19.88	0	0	0.00	0.00	0.00	10	Member

  

		Pu	phiRnt	Use	Num	Bolt Type
		(kip)	(kip)	%	Bolts	
Max Splice Forces		Load Case				
Top Tension		0.00	0.00	0	0	
Top Compression		88.64	178.90	50		
Bot Tension		0.00	0.00	0		
Bot Compression		90.74	0.00	0		