

Site Number: 10047

Code: ANSI/TIA-222-G

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Site Name: PORTLAND ME, ME

Engineering Number: OAA706994_C3_01

7/26/2017 2:24:49 PM

Customer: T-MOBILE

Force/Stress Summary

Section: 21		3		Bot Elev (ft): 225.0				Height (ft): 20.000							
		Pu	Len	Bracing %			F'y	Phic Pn	Num	Num	Shear	Bear	Use		
Max Compression Member		(kip)	(ft)	X	Y	Z	KL/R	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	%	Controls
		Load Case										(kip)	(kip)		
LEG	SOL - 1 3/4" SOLID	-39.72	2.38	100	100	100	65.1	50.0	79.36	0	0	0.00	0.00	50	Member X
HORIZ	SOL - 3/4" SOLID	-0.97	3.500	96	96	96	139.8	50.0	5.11	0	0	0.00	0.00	19	Member X
DIAG	SOL - 3/4" SOLID	-2.92	4.230	50	50	50	121.8	50.0	6.73	0	0	0.00	0.00	43	Member X

Max Tension Member		Pu	Fy	Fu	Phit Pn	Num	Num	Shear	Bear	Blk Shear	Use	
		(kip)	(ksi)	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	phit Pn	%	Controls
		Load Case						(kip)	(kip)	(kip)		
LEG		0.00	0	0	0.00	0	0	0.00	0.00		0	
HORIZ	SOL - 3/4" SOLID	1.22	50	65	19.88	0	0	0.00	0.00	0.00	6	Member
DIAG	SOL - 3/4" SOLID	2.67	50	65	19.88	0	0	0.00	0.00	0.00	13	Member

Max Splice Forces		Pu	phiRnt	Use	Num	Bolt Type	
		(kip)	(kip)	%	Bolts		
		Load Case					
Top Tension		0.00	0.00	0	0		
Top Compression		40.31	108.20	37			
Bot Tension		0.00	0.00	0			
Bot Compression		38.92	0.00	0			

Section: 22		3		Bot Elev (ft): 245.0				Height (ft): 20.000							
		Pu	Len	Bracing %			F'y	Phic Pn	Num	Num	Shear	Bear	Use		
Max Compression Member		(kip)	(ft)	X	Y	Z	KL/R	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	%	Controls
		Load Case										(kip)	(kip)		
LEG	SOL - 1 3/4" SOLID	-44.49	2.33	100	100	100	64.0	50.0	80.23	0	0	0.00	0.00	55	Member X
HORIZ	SOL - 3/4" SOLID	-0.38	3.500	96	96	96	139.8	50.0	5.11	0	0	0.00	0.00	7	Member X
DIAG	SOL - 3/4" SOLID	-1.32	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	19	Member X

Max Tension Member		Pu	Fy	Fu	Phit Pn	Num	Num	Shear	Bear	Blk Shear	Use	
		(kip)	(ksi)	(ksi)	(kip)	Bolts	Holes	phiRnv	phiRn	phit Pn	%	Controls
		Load Case						(kip)	(kip)	(kip)		
LEG		0.00	0	0	0.00	0	0	0.00	0.00		0	
HORIZ	SOL - 3/4" SOLID	0.71	50	65	19.88	0	0	0.00	0.00	0.00	3	Member
DIAG	SOL - 3/4" SOLID	1.01	50	65	19.88	0	0	0.00	0.00	0.00	5	Member

Max Splice Forces		Pu	phiRnt	Use	Num	Bolt Type	
		(kip)	(kip)	%	Bolts		
		Load Case					
Top Tension		0.00	0.00	0	0		
Top Compression		40.87	108.20	38			
Bot Tension		0.00	0.00	0			
Bot Compression		40.31	0.00	0			