

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: 1		PIROD42B		Bot Elev (ft): 0.00				Height (ft): 5.000							
		Pu (kip)	Load Case	Len (ft)	Bracing %			F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
Max Compression Member															
LEG SOL - 2 1/4" SOLID		-130.31	1.2D + 1.0Di +	1.80	100	100	100	38.3	50.0	160.68	0	0	0.00	0.00	81 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		-5.74	1.2D + 1.0Di +	2.440	50	50	50	70.3	50.0	13.86	0	0	0.00	0.00	41 Member X
Max Tension Member															
		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		
LEG		0.00		0	0	0.00	0	0	0.00	0.00		0			
HORIZ SOL - 3/4" SOLID		17.39	1.2D + 1.0Di +	50	65	19.88	0	0	0.00	0.00	0.00	87	Member		
DIAG SOL - 3/4" SOLID		2.76	1.2D + 1.0Di +	50	65	19.88	0	0	0.00	0.00	0.00	13	Member		
Max Splice Forces															
		Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type								
Top Tension		0.00		0.00	0	0									
Top Compression		114.79	1.2D + 1.0Di +	0.00	0										
Bot Tension		0.00		0.00	0										
Bot Compression		0.00		0.00	0										

Section: 2		PIROD42		Bot Elev (ft): 5.00				Height (ft): 15.000							
		Pu (kip)	Load Case	Len (ft)	Bracing %			F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
Max Compression Member															
LEG SOL - 2 1/4" SOLID		-118.81	1.2D + 1.0Di +	2.39	100	100	100	51.0	50.0	147.98	0	0	0.00	0.00	80 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		-0.76	1.2D + 1.0Di +	4.238	50	50	50	122.0	50.0	6.70	0	0	0.00	0.00	11 Member X
Max Tension Member															
		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		
LEG		0.00		0	0	0.00	0	0	0.00	0.00		0			
HORIZ SOL - 3/4" SOLID		7.70	1.2D + 1.0Di +	50	65	19.88	0	0	0.00	0.00	0.00	38	Member		
DIAG SOL - 3/4" SOLID		0.61	1.2D + 1.0Di +	50	65	19.88	0	0	0.00	0.00	0.00	3	Member		
Max Splice Forces															
		Pu (kip)	Load Case	phiRnt (kip)	Use %	Num Bolts	Bolt Type								
Top Tension		0.00		0.00	0	0									
Top Compression		117.42	1.2D + 1.0Di +	178.90	66										
Bot Tension		0.00		0.00	0										
Bot Compression		114.79	1.2D + 1.0Di +	0.00	0										