CITY OF PORTLAND, MAINE RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 11/27/17

Force/Stress Summary

Section: 27 Top Bot Elev (ft): 270.0 Height (ft): 5.000

Max Compression Member	Pu (kip)	Load Case	Len (ft)	Bracing % X	Y	Z	KL/R	F'y (ksi)	Phic Pn (kip)	Num Bolts	Num Holes	Shear phiRnv (kip)	Bear phiRn (kip)	Use %	Controls
LEG SOL - 1 3/4" SOLID	-5.77	1.2D + 1.0Di +	2.17	100	100	100	59.4	50.0	83.61	0	0	0.00	0.00	6	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	-2.05	1.2D + 1.6W 90	4.116	50	50	50	118.5	50.0	7.10	0	0	0.00	0.00	28	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 SOL - 1 3/4" SOLID	1.79	1.2D + 1.6W	50	65	108.24	0	0	0.00	0.00		1	Member
HORIZ SOL - 3/4" SOLID	1.61	1.2D + 1.6W 90	50	65	19.88	0	0	0.00	0.00	0.00	8	Member
DIAG SOL - 3/4" SOLID	3.50	1.2D + 1.6W 90	50	65	19.88	0	0	0.00	0.00	0.00	17	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	0.36	(1.2 + 0.2Sds) *	0.00	0		
Bot Tension	2.24	1.2D + 1.6W 60	0.00	0		
Bot Compression	4.83	1.2D + 1.6W	0.00	0		

Maximum Reactions Summary

	Base	Anch1
Vertical (kip)	355.75	-100.30
Horizontal (kip)	0.63	65.76