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

Force/Stress Summary

Section: 15 2 Bot Elev (ft): 212.6 Height (ft): 1.166

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 - 2" SOLID	-54.03	1.2D + 1.0Di +	1.17	100	100	100	28.0	50.0	133.50	0	0	0.00	0.00	40	Member X
HORIZ PL - PL 3 x 0.375	-7.78	1.2D + 1.6W	1.750	96	96	96	121.3	50.0	17.27	0	0	0.00	0.00	45	Member Y
DIAG SOL - 3/4" SOLID	-7.34	1.2D + 1.6W 90	2.103	97	97	97	117.5	50.0	7.23	0	0	0.00	0.00	101	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	0.00		0	0	0.00	0	0	0.00	0.00	0.00	0	
DIAG SOL - 3/4" SOLID	5.07	1.2D + 1.6W 90	50	65	19.88	0	0	0.00	0.00	0.00	25	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	59.63	1.2D + 1.6W 240	0.00	0		
Bot Tension	0.00		0.00	0		
Bot Compression	61.46	1.2D + 1.0Di +	0.00	0		

Section: 16 2 Bot Elev (ft): 213.8 Height (ft): 1.167

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 - 2" SOLID	-65.57	1.2D + 1.6W	1.17	100	100	100	28.0	50.0	133.49	0	0	0.00	0.00	49	Member X
HORIZ SOL - 3/4" SOLID	0.00	1.2D + 1.6W 90	1.750	96	96	96	69.9	50.0	13.91	0	0	0.00	0.00	0	Member X
DIAG SOL - 3/4" SOLID	-5.65	1.2D + 1.6W 60	2.103	97	97	97	117.5	50.0	7.23	0	0	0.00	0.00	78	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	1.47	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	7	Member
DIAG SOL - 3/4" SOLID	5.41	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	27	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	65.57	1.2D + 1.6W 240	0.00	0		
Bot Tension	0.00		0.00	0		
Bot Compression	59.63	1.2D + 1.6W 240	0.00	0		