Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 11/27/17

Force/Stress Summary

Section: 3 1 Bot Elev (ft): 20.00 Height (ft): 20.000

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 - 2 1/4" SOLID	-116.74	1.2D + 1.0Di +	2.33	100	100	100	49.8	50.0	149.28	0	0	0.00	0.00	78	Member X
HORIZ SOL - 3/4" SOLID	-0.16	1.2D + 1.6W	3.500	95	95	95	138.3	50.0	5.22	0	0	0.00	0.00	3	Member X
DIAG SOL - 3/4" SOLID	-1.59	1.2D + 1.6W 90	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	23	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	0.66	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	3	Member
DIAG SOL - 3/4" SOLID	0.87	1.2D + 1.6W 90	50	65	19.88	0	0	0.00	0.00	0.00	4	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	114.15	1.2D + 1.0Di +	178.90	64		
Bot Tension	0.00		0.00	0		
Bot Compression	117.42	1.2D + 1.0Di +	0.00	0		

Section: 4 1 Bot Elev (ft): 40.00 Height (ft): 20.000

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 - 2 1/4" SOLID	-114.27	1.2D + 1.0Di +	2.33	100	100	100	49.8	50.0	149.28	0	0	0.00	0.00	76	Member X
HORIZ SOL - 3/4" SOLID	-0.36	1.2D + 1.6W 60	3.500	95	95	95	138.3	50.0	5.22	0	0	0.00	0.00	6	Member X
DIAG SOL - 3/4" SOLID	-2.29	1.2D + 1.6W 90	4.206	50	50	50	121.1	50.0	6.80	0	0	0.00	0.00	33	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	1.14	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	5	Member
DIAG SOL - 3/4" SOLID	1.42	1.2D + 1.6W	50	65	19.88	0	0	0.00	0.00	0.00	7	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	109.19	1.2D + 1.0Di +	178.90	61		
Bot Tension	0.00		0.00	0		
Bot Compression	114.15	1.2D + 1.0Di +	0.00	0		