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

Force/Stress Summary

Section: 1 PIROD42B Bot Elev (ft): 0.00 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 - 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

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	-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		