

Connection Type	Material Gauge	Fastener Size	Actual Load	Allowable Load	Number Required	GENERAL INFORMATION		DESIGN PARAMETERS
Header Brace 1/Header	0.036	1/4-14 T/3	1103	372	3	Arch Central Angle = 142.15 deg	Arch Length = 92.70 ft	Panel : Model 600 Material : 0.036 in. ASTM A625, Grade D Arch Span : 70.000 ft Arch Height : 25.000 ft Arch Radius : 37.000 ft Dead Load : 2.00 psf Live Load : 20.00 psf Snow Load : 20.00 psf (ground) Snow Load : 16.00 psf (design) [Is = 0.80, Ce = 1.00] Wind Load : 11.45 psf (design) [W = 0.67] Wind Speed : 80 mph Exposure C Open Category: E Topography (Kz): 1 Wind Shielding (Ks): 1 Seismic Coefficient: 0.05 Building Category: (1) Agri/Temp
Endwall Panel/Base	0.036	1/4-14 T/3	183	439	2	Vehicular Door Type - Overhead Door Vehicular Door Size - 14' (w) x 14' (h)		
Endwall Panel/Arch	0.036	#12-14 T/2	183	150	2			

Member	Section	Actual	Allowable	Ratio
Door Header	Model 600	W = 81 plf	W = 141 plf	0.57
Door Jamb	Model 600 x 4 5/8	W = 103 plf	W = 145 plf	0.71
Brace 1	Dietrich 600CSS20 x14.61 ft	P = 1103 lbs	P = 1540 lbs	0.72
Brace 2	Dietrich 600CSS20 x14.61 ft	P = 1103 lbs	P = 1540 lbs	0.72

Global Steel 1435 North Cascade Avenue Colorado Springs, CO 80907 (719) 634-1300	Example Colorado Springs, CO	DATE: 01-11-2000 TIME: 11:58 ENGR: KWW FILE: EXAMPLE NUMBER: 1	D2
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