

CF-42 and CF-45 Partition Mesa Wall Panels
Allowable Single Span for Inward or Outward Load of 5 ps
f

Panel Type	Thickness (in)	Design Criteria			Allowable Span (ft)
		Bending Stress	Shear Stress	Deflection Limit	
CF42 or CF-45	2	25.0	81.0	20.2	20.2
	2.5	27.5	91.1	23.8	23.8
	3	29.1	100.2	27.1	27.1
	4	34.8	104.0	33.1	33.1
	5	37.1	116.7	38.6	37.1
	6	39.1	128.0	43.5	39.1
	8*	47.3	222.0	54.5	47.3

1. Based on panels with 26 ga. exterior & 26 ga. interior face (min Fy = 33 ksi) for single span condition.
2. Allowable span is the lowest value of panel bending strength, shear strength and deflection limit.
3. The spans based on panel stress and deflection design criteria are derived from E-72 structural testing. The allowable loads are calculated with a factor of safety of 2 and 3 for bending and shear stresses, respectively, and deflection limitation of L/120.
4. The structural capacity of the girts and the panel attachment to the girts are not considered and must be examined independently.
5. Panels must be checked independently for thermal stress; manufacturing; as well as shipping consideration.
6. * 8 in CF Panel is available only in 42" module width.