



Partition Wall Span Table

Panel Type	Thickness (in)	Allowable Single Span			
		$\Delta T = 0^\circ$	$\Delta T = 35^\circ$	$\Delta T = 70^\circ$	$\Delta T = 105^\circ$
TC44 Mesa	2	20'-4"	17'-6"	14'-7"	11'-10"
TC44 Mesa	2.5	23'-10"	20'-4"	17'-3"	14'-1"
TC44 Mesa	3	27'-2"	22'-11"	19'-0"	15'-7"
TC44 Mesa	4	33'-3"	28'-8"	24'-3"	20'-6"
TC44 Mesa	5	38'-11"	33'-11"	29'-3"	25'-0"
TC44 Mesa	6	44'-2"	38'-10"	33'-9"	29'-2"
TC44 Mesa	8	53'-10"	46'-4"	41'-7"	36'-3"

1. Based on panels with 26 ga. exterior & interior 'Mesa' profiles (min $F_y = 33$ 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.