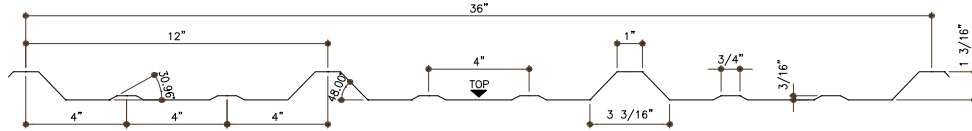


DOMTEK - PB-RIB Panel

Grade 33

Imperial



Physical Properties		Per Foot Width - In accordance with CSA S136-01 - Limit States Design								
Thickness		Weight	Yield Strength	Section Modulus		Moment of Inertia	Factored Moment Resistance		Specified Crippling Bearing N = 1.5 in.	
Gauge	Base	Z275		Mid	Support	Mid Span	Mid	Support	End	Interior
	(in.)	(lb/ft ²)	(ksi)	(in. ³)	(in. ³)	(in. ⁴)	(ft-lb)	(ft-lb)	(lb)	(lb)
26	0.018	0.950	27	0.03903	0.04767	0.03647	87.82	107.25	89	142

Load Table		Maximum Specified Uniformly Distributed Load in lb/ft ² (psf)		
Span		1 Span	2 Span	3 Span
(ft)		Gauge	Gauge	Gauge
2	B	117	143	179
	D	398	949	752
2.5	B	75	92	114
	D	204	486	385
3	B	52	64	79
	D	118	281	223
3.5	B	38	47	58
	D	74	177	140
4	B	29	36	45
	D	50	119	94
4.5	B	23	28	35
	D	35	83	66
5	B	19	23	29
	D	26	61	48
5.5	B	15	19	24
	D	19	46	36
6	B	13	16	20
	D	15	35	28
6.5	B	11	14	17
	D	12	28	22
7	B	10	12	15
	D	9	22	18
7.5	B	8	10	13
	D	8	18	14
8	B	7	9	11
	D	6	15	12

Notes:

- Properties and loads are based on Grade 33 Steel with a minimum yield stress of 30,000 psi and a maximum yield stress under factored loads of 27,000 psi.
- Figures in Row B indicate the load capacity based on strength. Strength capacity B should be checked against [Specified Live Load] + [0.833 x Specified Dead Load].
- Figures in Row D indicate the load capacity based on deflection of 1/180th span. For allowable deflection of 1/90th of the span, values in Row D can be doubled, but must not exceed the value in Row B. Deflection capacity should be checked against Specified Load(s).
- Specified web crippling capacity should be checked against specified load at support location.

Notes to the Designer:

- The Load Tables were developed in accordance with CSA S136-01 - North American Specification for the Design of Cold Formed Steel Structural Members and S136S1-04 - Supplement 2004 to the North American Specification for the Design of Cold Formed Steel Structural Members.
- The Load Tables were developed using Limit States Design principles.
- The Load Tables are based on specified uniformly distributed loads only.
- The effective moment of inertia for deflection determination has been calculated at a specified live load stress of 0.6Fy.
- Specified Web Crippling loads were determined using a bearing width of 1.5".
- The load tables do not consider the effect of pattern loading.
- The load tables do not account for concentrated loads.
- All span applications assumes all spans are equal.