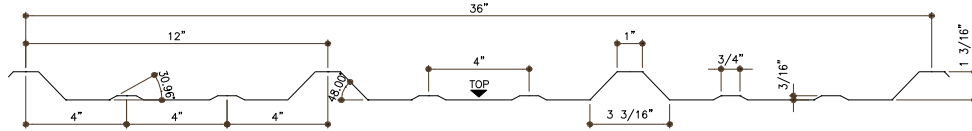


DOMTEK - PB-RIB Panel

Grade 50

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	0.0180	0.950	30	0.0353	0.0479	0.03829	88.23	119.87	99	158
24	0.0239	1.220	30	0.0532	0.0623	0.05298	133.02	155.82	181	269

Load Table		Maximum Specified Uniformly Distributed Load in lb/ft ² (psf)					
Span (ft)		1 Span		2 Span		3 Span	
		Gauge		Gauge		Gauge	
		26	24	26	24	26	24
2	B	118	177	160	208	184	260
	D	418	579	996	1378	789	1092
2.5	B	75	114	102	133	118	166
	D	214	296	510	706	404	559
3	B	52	79	71	92	82	115
	D	124	172	295	408	234	324
3.5	B	38	58	52	68	60	85
	D	78	108	186	257	147	204
4	B	29	44	40	52	46	65
	D	52	72	124	172	99	137
4.5	B	23	35	32	41	36	51
	D	37	51	87	121	69	96
5	B	19	28	26	33	29	42
	D	27	37	64	88	51	70
5.5	B	16	23	21	27	24	34
	D	20	28	48	66	38	53
6	B	13	20	18	23	20	29
	D	15	21	37	51	29	40
6.5	B	11	17	15	20	17	25
	D	12	17	29	40	23	32
7	B	10	14	13	17	15	21
	D	10	14	23	32	18	25
7.5	B	8	13	11	15	13	18
	D	8	11	19	26	15	21
8	B	7	11	10	13	11	16
	D	7	9	16	22	12	17

Notes:

- Properties and loads are based on Grade 50 Steel with a minimum yield stress of 50,000 psi and a maximum yield stress under factored loads of 30,000 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 0.6F_y.
- 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.