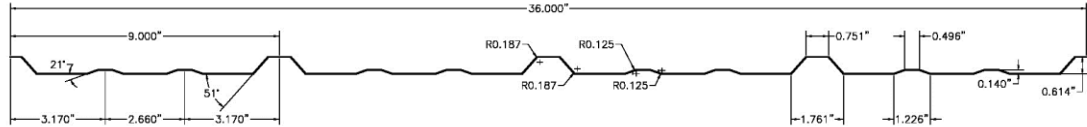


Domtek - Pro-RIB Panel

Grade 80 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)
28	0.0135	0.720	48	0.0090	0.0124	0.00483	35.98	49.71	98	153
26	0.0180	0.950	48	0.0129	0.0192	0.00674	51.54	77.00	180	264

Load Table		Maximum Specified Uniformly Distributed Load in lb/ft ² (psf)					
Span		1 Span		2 Span		3 Span	
		Gauge		Gauge		Gauge	
(ft)		28	26	28	26	28	26
2	B	48	69	62	89	59	85
	D	53	74	126	175	100	139
2.5	B	31	44	40	57	38	54
	D	27	38	64	90	51	71
3	B	21	31	28	40	26	38
	D	16	22	37	52	30	41
3.5	B	16	22	20	29	19	28
	D	10	14	23	33	19	26
4	B	12	17	16	22	15	21
	D	7	9	16	22	12	17
4.5	B	9	14	12	18	12	17
	D	5	6	11	15	9	12
5	B	8	11	10	14	9	14
	D	3	5	8	11	6	9
5.5	B	6	9	8	12	8	11
	D	3	4	6	8	5	7
6	B	5	8	7	10	7	9
	D	2	3	5	6	4	5
6.5	B	5	7	6	8	6	8
	D	2	2	4	5	3	4
7	B	4	6	5	7	5	7
	D	1	2	3	4	2	3
7.5	B	3	5	4	6	4	6
	D	1	1	2	3	2	3
8	B	3	4	4	6	4	5
	D	1	1	2	3	2	2

Notes:

- Properties and loads are based on Grade 80 Steel with a minimum yield stress of 80,000 psi and a maximum yield stress under factored loads of 48,000 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 136-01 - 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 patten loading.
- The load tables do not account for concentrated loads.
- All span applications assumes all spans are equal.