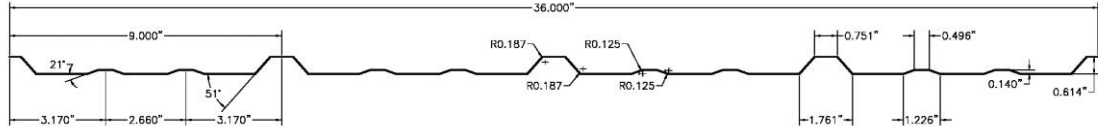


# DOMTEK - Pro-RIB Panel

## 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 <sup>2</sup> )	(ksi)	(in. <sup>3</sup> )	(in. <sup>3</sup> )	(in. <sup>4</sup> )	(ft-lb)	(ft-lb)	(lb)	(lb)
29	0.0135	0.720	30	0.0096	0.0134	0.00483	23.93	33.56	61	96
26	0.0180	0.950	30	0.0135	0.0206	0.00678	33.71	51.49	113	165

Load Table		Maximum Specified Uniformly Distributed Load in lb/ft <sup>2</sup> (psf)					
Span	Gauge	1 Span		2 Span		3 Span	
		29	26	29	26	29	26
(ft)							
2	B	32	45	42	59	39	56
	D	53	74	126	176	100	140
2.5	B	20	29	27	37	25	36
	D	27	38	64	90	51	72
3	B	14	20	18	26	18	25
	D	16	22	37	52	30	41
3.5	B	10	15	14	19	13	18
	D	10	14	23	33	19	26
4	B	8	11	10	15	10	14
	D	7	9	16	22	12	17
4.5	B	6	9	8	12	8	11
	D	5	7	11	15	9	12
5	B	5	7	7	9	6	9
	D	3	5	8	11	6	9
5.5	B	4	6	5	8	5	7
	D	3	4	6	8	5	7
6	B	4	5	5	7	4	6
	D	2	3	5	7	4	5
6.5	B	3	4	4	6	4	5
	D	2	2	4	5	3	4
7	B	3	4	3	5	3	5
	D	1	2	3	4	2	3
7.5	B	2	3	3	4	3	4
	D	1	1	2	3	2	3
8	B	2	3	3	4	2	3
	D	1	1	2	3	2	2

### 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 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 0.6Fy.
- 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.