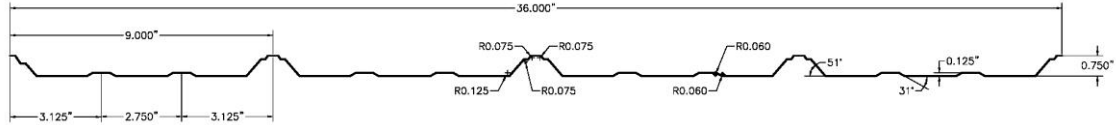


# DOMTEK - Tuff- Rib Panel

## 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	0.0108	0.0187	0.0066	27.00	46.87	59	95
26	0.0180	0.950	30	0.0142	0.0306	0.0087	35.62	76.47	109	164

Load Table		Maximum Specified Uniformly Distributed Load in lb/ft <sup>2</sup> (psf)					
Span		1 Span		2 Span		3 Span	
		Gauge		Gauge		Gauge	
(ft)		29	26	29	26	29	26
2	B	36	47	47	62	45	59
	D	72	96	171	227	135	180
2.5	B	23	30	30	40	29	38
	D	37	49	87	116	69	92
3	B	16	21	21	27	20	26
	D	21	28	51	67	40	53
3.5	B	12	16	15	20	15	19
	D	13	18	32	42	25	34
4	B	9	12	12	15	11	15
	D	9	12	21	28	17	23
4.5	B	7	9	9	12	9	12
	D	6	8	15	20	12	16
5	B	6	8	7	10	7	9
	D	5	6	11	15	9	12
5.5	B	5	6	6	11	6	8
	D	3	5	8	11	7	9
6	B	4	5	5	7	5	7
	D	3	4	6	8	5	7
6.5	B	3	4	4	6	4	6
	D	2	3	5	7	4	5
7	B	3	4	4	5	4	5
	D	2	2	4	5	3	4
7.5	B	3	3	3	4	3	4
	D	1	2	3	4	3	3
8	B	2	3	3	4	3	4
	D	1	1	3	4	2	3

### 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 0.6Fy.
- 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.