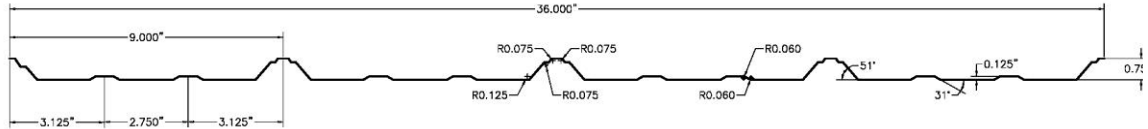


DOMTEK - Tuff- Rib Panel

**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)
29	0.0135	0.720	48	0.0108	0.0158	0.0066	43.19	63.34	94	152
26	0.0180	0.950	48	0.0142	0.0258	0.0087	57.00	103.28	175	262

Load Table		Maximum Specified Uniformly Distributed Load in lb/ft ² (psf)					
Span		1 Span		2 Span		3 Span	
		Gauge		Gauge		Gauge	
(ft)		29	26	29	26	29	26
2	B	58	76	75	99	71	94
	D	72	95	171	225	135	178
2.5	B	37	49	48	63	46	60
	D	37	48	87	115	69	91
3	B	26	34	33	44	32	42
	D	21	28	51	67	40	53
3.5	B	19	25	24	32	23	31
	D	13	18	32	42	25	33
4	B	14	19	19	25	18	24
	D	9	12	21	28	17	22
4.5	B	11	15	15	20	14	19
	D	6	8	15	20	12	16
5	B	9	12	12	16	11	15
	D	5	6	11	14	9	11
5.5	B	8	10	10	13	9	12
	D	3	5	8	11	7	9
6	B	6	8	8	11	8	10
	D	3	4	6	8	5	7
6.5	B	5	7	7	9	7	9
	D	2	3	5	7	4	5
7	B	5	6	6	8	6	8
	D	2	2	4	5	3	4
7.5	B	4	5	5	7	5	7
	D	1	2	3	4	3	3
8	B	4	5	5	6	4	6
	D	1	1	3	4	2	3

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 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.