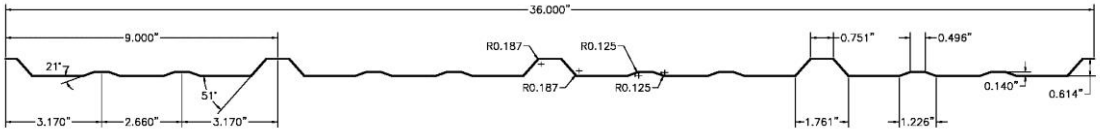
DOMTEK - Pro-RIB Panel

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^2)*	*(ksi)*	*($in.^3$)*	*($in.^3$)*	*($in.^4$)*	*(ft-lb)*	*(ft-lb)*	*(lb)*	*(lb)*
28	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^2 (psf)					
Span		**1 Span**		**2 Span**		**3 Span**	
		Gauge		Gauge		Gauge	
(ft)		28	26	28	26	28	26
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:

1. 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.
2. 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].
3. 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).
4. Specified web crippling capacity should be checked against specified load at support location.

Notes to the Designer:

1. 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.
2. The Load Tables were developed using Limit States Design principles.
3. The Load Tables are based on specified uniformly distributed loads only.
4. The effective moment of inertia for deflection determination has been calculated at a specified live load stress of 0.6Fy.
5. Specified Web Crippling loads were determined using a bearing width of 1.5".
6. The load tables do not consider the effect of patter loading.
7. The load tables do not account for concentrated loads.
8. All span applications assumes all spans are equal.