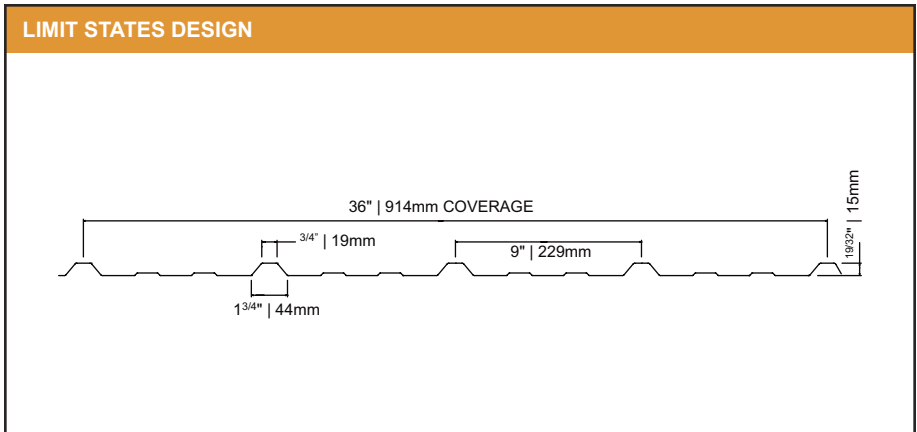


- Properties and loads are based on Grade 550 Steel with a minimum yield stress of 550 MPa and a maximum stress under factored loads of 324 MPa.
- Figures in Row B indicate the load capacity based on strength. Strength capacity B should be checked against [Specified Live Load] + [0.833 x Specified Dead Load].
- Figures in Row D indicate the load capacity based on deflection of 1/180th span. For allowable deflection of 1/90th span, values in Row D can be doubled, but must not exceed the figure 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.



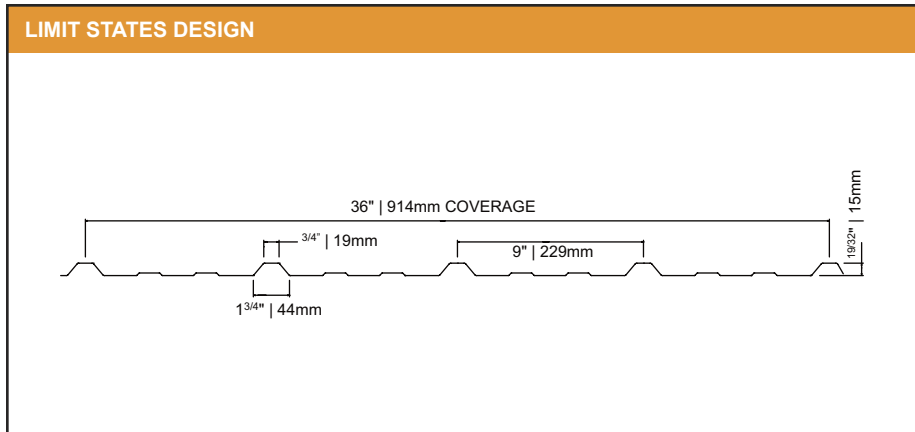
**PHYSICAL PROPERTIES** | Per Metre Width in accordance with CSA Specification S136-94.

Base Steel Nominal Thickness (mm)	Nominal Thickness Z275 Coating (mm)	Mass with Z275 Coating (kg/m <sup>2</sup> )	Section Modulus		Moment of Inertia Midspan (mm <sup>4</sup> x 10 <sup>3</sup> )	Factored Resistance Moment		Specified Crippling Bearing (mm) = 38	
			Midspan (mm <sup>3</sup> x 10 <sup>3</sup> )	Support (mm <sup>3</sup> x 10 <sup>3</sup> )		Midspan (N-m)	Support (N-m)	End (N/m)	Interior (N/m)
0.305	0.343	2.60	0.491	0.433	7.524	159	140	2452	1883
0.343	0.381	2.89	0.577	0.517	8.767	187	168	2963	2306
0.381	0.419	3.18	0.665	0.607	10.023	215	197	3517	2773
0.457	0.495	3.76	0.850	0.766	12.044	275	248	4714	3838

**LOAD TABLE** | Maximum Specified Uniformly Distributed Load in kN/m<sup>2</sup> (kPa).

Span (mm)		1-Span Base Steel Nominal Thickness (mm)				2-Span Base Steel Nominal Thickness (mm)				3-Span Base Steel Nominal Thickness (mm)			
		0.305	0.343	0.381	0.457	0.305	0.343	0.381	0.457	0.305	0.343	0.381	0.457
300	B	9.43	11.08	12.77	16.32	8.31	9.93	11.65	14.71	10.39	12.41	14.57	18.38
300	D	24.14	28.12	32.15	38.64	58.14	67.75	77.45	93.07	45.57	53.10	60.71	72.95
450	B	4.19	4.92	5.67	7.25	3.69	4.41	5.18	6.54	4.62	5.51	6.47	8.17
450	D	7.15	8.33	9.53	11.45	17.23	20.07	22.95	27.58	13.50	15.73	17.99	21.61
600	B	2.36	2.77	3.19	4.08	2.08	2.48	2.91	3.68	2.60	3.10	3.64	4.60
600	D	3.02	3.52	4.02	4.83	7.27	8.47	9.68	11.63	5.70	6.64	7.59	9.12
750	B	1.51	1.77	2.04	2.61	1.33	1.59	1.86	2.35	1.66	1.99	2.33	2.94
750	D	1.54	1.80	2.06	2.47	3.72	4.34	4.96	5.96	2.92	3.40	3.89	4.67
900	B	1.05	1.23	1.42	1.81	0.92	1.10	1.29	1.63	1.15	1.38	1.62	2.04
900	D	0.89	1.04	1.19	1.43	2.15	2.51	2.87	3.45	1.69	1.97	2.25	2.70
1050	B	0.77	0.90	1.04	1.33	0.68	0.81	0.95	1.20	0.85	1.01	1.19	1.50
1050	D	0.56	0.66	0.75	0.90	1.36	1.58	1.81	2.17	1.06	1.24	1.42	1.70
1200	B	0.59	0.69	0.80	1.02	0.52	0.62	0.73	0.92	0.65	0.78	0.91	1.15
1200	D	0.38	0.44	0.50	0.60	0.91	1.06	1.21	1.45	0.71	0.83	0.95	1.14
1350	B	0.47	0.55	0.63	0.81	0.41	0.49	0.58	0.73	0.51	0.61	0.72	0.91
1350	D	0.26	0.31	0.35	0.42	0.64	0.74	0.85	1.02	0.50	0.58	0.67	0.80
1500	B	0.38	0.44	0.51	0.65	0.33	0.40	0.47	0.59	0.42	0.50	0.58	0.74
1500	D	0.19	0.22	0.26	0.31	0.47	0.54	0.62	0.74	0.36	0.42	0.49	0.58
1650	B	0.31	0.37	0.42	0.54	0.27	0.33	0.39	0.49	0.34	0.41	0.48	0.61
1650	D	0.15	0.17	0.19	0.23	0.35	0.41	0.47	0.56	0.27	0.32	0.36	0.44
1800	B	0.26	0.31	0.35	0.45	0.23	0.28	0.32	0.41	0.29	0.34	0.40	0.51
1800	D	0.11	0.13	0.15	0.18	0.27	0.31	0.36	0.43	0.21	0.25	0.28	0.34
1950	B	0.22	0.26	0.30	0.39	0.20	0.23	0.28	0.35	0.25	0.29	0.34	0.44
1950	D	0.09	0.10	0.12	0.14	0.21	0.25	0.28	0.34	0.17	0.19	0.22	0.27
2100	B	0.19	0.23	0.26	0.33	0.17	0.20	0.24	0.30	0.21	0.25	0.30	0.38
2100	D	0.07	0.08	0.09	0.11	0.17	0.20	0.23	0.27	0.13	0.15	0.18	0.21

- Properties and loads are based on Grade 80 Steel with a minimum yield stress of 80,000 psi and a maximum stress under factored loads of 46,980 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 span, values in Row D can be doubled, but must not exceed the figure 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.



**PHYSICAL PROPERTIES | Per Metre Width in accordance with CSA Specification S136-94.**

Base Steel Nominal Thickness (inches)	Nominal Thickness Z275 Coating (inches)	Mass with Z275 Coating (lb/ft <sup>2</sup> )	Section Modulus		Moment of Inertia Midspan (in <sup>4</sup> )	Factored Resistance Moment		Specified Crippling Bearing [mm] = 1.5	
			Midspan (in <sup>3</sup> )	Support (in <sup>3</sup> )		Midspan (ft-lb)	Support (ft-lb)	End (lbs/ft)	Interior (lbs/ft)
0.0120	0.0135	0.5846	0.00914	0.00806	0.00551	35.78	31.55	168	129
0.0135	0.0150	0.6496	0.01073	0.00961	0.00642	42.01	37.62	203	158
0.0150	0.0165	0.7146	0.01237	0.01129	0.00734	48.43	44.20	241	190
0.0180	0.0195	0.8446	0.01581	0.01425	0.00882	61.90	55.79	323	263

**LOAD TABLE | Maximum Specified Uniformly Distributed Load in lb/ft<sup>2</sup> (psf).**

Span (ft)		1-Span Base Steel Nominal Thickness (inches)				2-Span Base Steel Nominal Thickness (inches)				3-Span Base Steel Nominal Thickness (inches)			
		0.0120	0.0135	0.0150	0.0180	0.0120	0.0135	0.0150	0.0180	0.0120	0.0135	0.0150	0.0180
1.0	B	191	224	258	330	168	201	236	298	210	251	295	372
1.0	D	481	560	640	769	1158	1349	1542	1853	908	1057	1209	1453
1.5	B	85	100	115	147	75	89	105	132	93	111	131	165
1.5	D	142	166	190	228	343	400	457	549	269	313	358	430
2.0	B	48	56	65	83	42	50	59	74	53	63	74	93
2.0	D	60	70	80	96	145	169	193	232	113	132	151	182
2.5	B	31	36	41	53	27	32	38	48	34	40	47	60
2.5	D	31	36	41	49	74	86	99	119	58	68	77	93
3.0	B	21	25	29	37	19	22	26	33	23	28	33	41
3.0	D	18	21	24	28	43	50	57	69	34	39	45	54
3.5	B	16	18	21	27	14	16	19	24	17	20	24	30
3.5	D	11	13	15	18	27	31	36	43	21	25	28	34
4.0	B	12	14	16	21	11	13	15	19	13	16	18	23
4.0	D	8	9	10	12	18	21	24	29	14	17	19	23
4.5	B	9	11	13	16	8	10	12	15	10	12	15	18
4.5	D	5	6	7	8	13	15	17	20	10	12	13	16
5.0	B	8	9	10	13	7	8	9	12	8	10	12	15
5.0	D	4	4	5	6	9	11	12	15	7	8	10	12
5.5	B	6	7	9	11	6	7	8	10	7	8	10	12
5.5	D	3	3	4	5	7	8	9	11	5	6	7	9
6.0	B	5	6	7	9	5	6	7	8	6	7	8	10
6.0	D	2	3	3	4	5	6	7	9	4	5	6	7
6.5	B	5	5	6	8	4	5	6	7	5	6	7	9
6.5	D	2	2	2	3	4	5	6	7	3	4	4	5
7.0	B	4	5	5	7	3	4	5	6	4	5	6	8
7.0	D	1	2	2	2	3	4	4	5	3	3	4	4