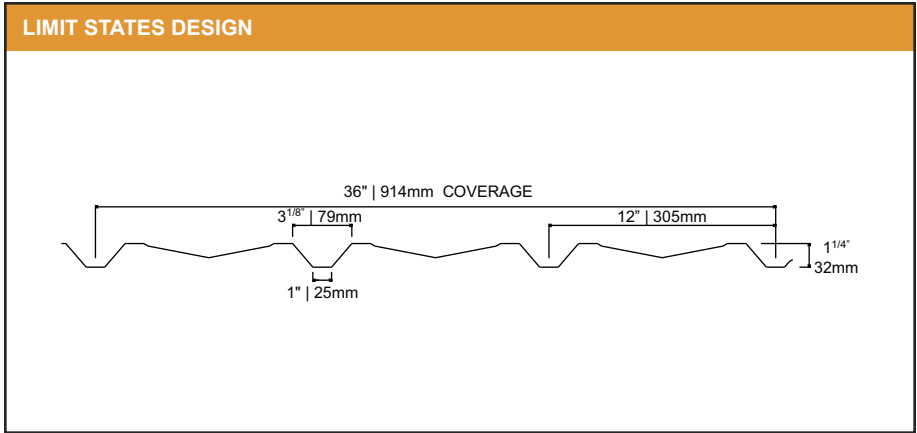


- Properties and loads are based on Grade 550 Steel with a minimum yield stress of 550 MPa and a maximum stress under factored loads of 324 MPa.
- Figures in Row B indicate the load capacity based on strength. Strength capacity B should be checked against [Specified Live Load] + [0.833 x Specified Dead 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.



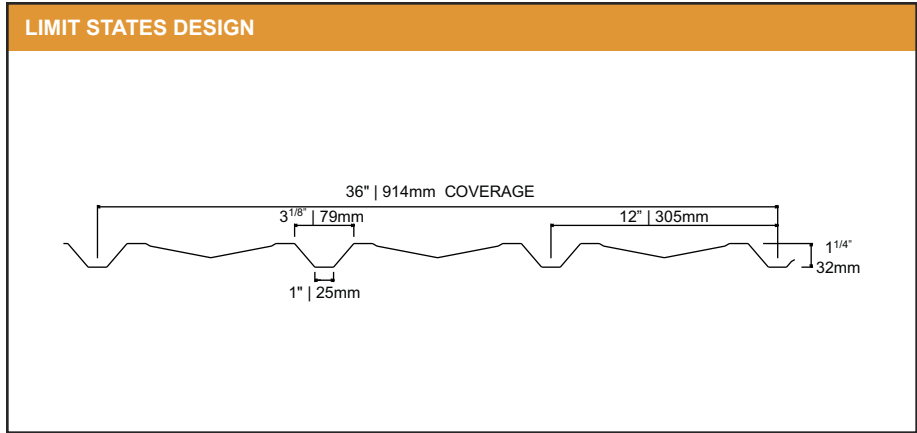
PHYSICAL PROPERTIES | Per Metre Width in accordance with CSA Specification S136-94.

Base Steel Nominal Thickness (mm)	Nominal Thickness Z275 Coating (mm)	Mass with Z275 Coating (kg/m ²)	Section Modulus		Moment of Inertia Midspan (mm ⁴ x 10 ³)	Factored Resistance Moment		Specified Crippling Bearing (mm) = 38	
			Midspan (mm ³ x 10 ³)	Support (mm ³ x 10 ³)		Midspan (N-m)	Support (N-m)	End (N/m)	Interior (N/m)
0.305	0.343	2.69	1.005	1.246	19.1592	326	404	1839	1416
0.343	0.381	2.98	1.176	1.442	22.3819	381	467	2218	1737
0.381	0.419	3.28	1.357	1.645	25.9325	440	533	2627	2087
0.457	0.495	3.88	1.748	2.068	33.6207	566	670	3532	2875
0.610	0.648	5.07	2.478	2.964	50.9774	803	960	5619	4801

LOAD TABLE | Maximum Specified Uniformly Distributed Load in kN/m² (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	0.610	0.305	0.343	0.381	0.457	0.610	0.305	0.343	0.381	0.457	0.610
600	B	4.82	5.64	6.51	8.39	11.89	5.98	6.92	7.90	9.93	14.23	7.48	8.65	9.87	12.41	17.78
600	D	7.68	8.97	10.40	13.48	20.44	18.51	21.62	25.05	32.48	49.24	14.50	16.94	19.63	25.45	38.59
750	B	3.09	3.61	4.17	5.37	7.61	3.83	4.43	5.05	6.35	9.11	4.78	5.54	6.32	7.94	11.38
750	D	3.93	4.60	5.32	6.90	10.47	9.48	11.07	12.82	16.63	25.21	7.43	8.68	10.05	13.03	19.76
900	B	2.14	2.51	2.89	3.73	5.29	2.66	3.08	3.51	4.41	6.32	3.32	3.85	4.39	5.51	7.90
900	D	2.28	2.66	3.08	3.99	6.06	5.48	6.41	7.42	9.62	14.59	4.30	5.02	5.82	7.54	11.44
1050	B	1.58	1.84	2.13	2.74	3.88	1.95	2.26	2.58	3.24	4.65	2.44	2.83	3.22	4.05	5.81
1050	D	1.43	1.67	1.94	2.52	3.81	3.45	4.03	4.67	6.06	9.19	2.71	3.16	3.66	4.75	7.20
1200	B	1.21	1.41	1.63	2.10	2.97	1.50	1.73	1.97	2.48	3.56	1.87	2.16	2.47	3.10	4.45
1200	D	0.96	1.12	1.30	1.69	2.56	2.31	2.70	3.13	4.06	6.16	1.81	2.12	2.45	3.18	4.82
1350	B	0.95	1.12	1.29	1.66	2.35	1.18	1.37	1.56	1.96	2.81	1.48	1.71	1.95	2.45	3.51
1350	D	0.67	0.79	0.91	1.18	1.79	1.62	1.90	2.20	2.85	4.32	1.27	1.49	1.72	2.23	3.39
1500	B	0.77	0.90	1.04	1.34	1.90	0.96	1.11	1.26	1.59	2.28	1.20	1.38	1.58	1.99	2.85
1500	D	0.49	0.57	0.67	0.86	1.31	1.18	1.38	1.60	2.08	3.15	0.93	1.08	1.26	1.63	2.47
1650	B	0.64	0.75	0.86	1.11	1.57	0.79	0.92	1.04	1.31	1.88	0.99	1.14	1.31	1.64	2.35
1650	D	0.37	0.43	0.50	0.65	0.98	0.89	1.04	1.20	1.56	2.37	0.70	0.81	0.94	1.22	1.86
1800	B	0.54	0.63	0.72	0.93	1.32	0.66	0.77	0.88	1.10	1.58	0.83	0.96	1.10	1.38	1.98
1800	D	0.28	0.33	0.39	0.50	0.76	0.69	0.80	0.93	1.20	1.82	0.54	0.63	0.73	0.94	1.43
1950	B	0.46	0.53	0.62	0.79	1.13	0.57	0.66	0.75	0.94	1.35	0.71	0.82	0.93	1.17	1.68
1950	D	0.22	0.26	0.30	0.39	0.60	0.54	0.63	0.73	0.95	1.43	0.42	0.49	0.57	0.74	1.12
2100	B	0.39	0.46	0.53	0.68	0.97	0.49	0.57	0.64	0.81	1.16	0.61	0.71	0.81	1.01	1.45
2100	D	0.18	0.21	0.24	0.31	0.48	0.43	0.50	0.58	0.76	1.15	0.34	0.40	0.46	0.59	0.90
2250	B	0.34	0.40	0.46	0.60	0.85	0.43	0.49	0.56	0.71	1.01	0.53	0.62	0.70	0.88	1.26
2250	D	0.15	0.17	0.20	0.26	0.39	0.35	0.41	0.47	0.62	0.93	0.28	0.32	0.37	0.48	0.73
2400	B	0.30	0.35	0.41	0.52	0.74	0.37	0.43	0.49	0.62	0.89	0.47	0.54	0.62	0.78	1.11
2400	D	0.12	0.14	0.16	0.21	0.32	0.29	0.34	0.39	0.51	0.77	0.23	0.26	0.31	0.40	0.60

- 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 ²)	Section Modulus		Moment of Inertia Midspan (in ⁴)	Factored Resistance Moment		Specified Crippling Bearing [mm] = 1.5	
			Midspan (in ³)	Support (in ³)		Midspan (ft-lb)	Support (ft-lb)	End (lbs/ft)	Interior (lbs/ft)
0.0120	0.0135	0.6038	0.01869	0.02318	0.01403	73.17	90.75	126	97
0.0135	0.0150	0.6708	0.02188	0.0268	0.01639	85.66	105.04	152	119
0.0150	0.0165	0.7378	0.02524	0.03060	0.01899	98.81	119.80	180	143
0.0180	0.0195	0.8718	0.03251	0.03847	0.02462	127.28	150.61	242	197
0.0240	0.0255	1.1388	0.04610	0.05513	0.03733	180.48	215.83	385	329

LOAD TABLE | Maximum Specified Uniformly Distributed Load in lb/ft² (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	0.0240	0.0120	0.0135	0.0150	0.0180	0.0240	0.0120	0.0135	0.0150	0.0180	0.0240
2.0	B	98	114	132	170	241	121	140	160	201	288	151	175	200	251	360
2.0	D	153	179	207	268	407	369	431	499	647	981	289	337	391	507	769
2.5	B	62	73	84	109	154	77	90	102	129	184	97	112	128	161	230
2.5	D	78	92	106	137	208	189	220	255	331	502	148	173	200	260	394
3.0	B	43	51	59	75	107	54	62	71	89	128	67	78	89	112	160
3.0	D	45	53	61	80	121	109	128	148	192	291	86	100	116	150	228
3.5	B	32	37	43	55	79	40	46	52	66	94	49	57	65	82	117
3.5	D	29	33	39	50	76	69	80	93	121	183	54	63	73	95	143
4.0	B	24	29	33	42	60	30	35	40	50	72	38	44	50	63	90
4.0	D	19	22	26	34	51	46	54	62	81	123	36	42	49	63	96
4.5	B	19	23	26	34	48	24	28	32	40	57	30	35	39	50	71
4.5	D	13	16	18	24	36	32	38	44	57	86	25	30	34	45	67
5.0	B	16	18	21	27	39	19	22	26	32	46	24	28	32	40	58
5.0	D	10	11	13	17	26	24	28	32	41	63	18	22	25	32	49
5.5	B	13	15	17	22	32	16	19	21	27	38	20	23	26	33	48
5.5	D	7	9	10	13	20	18	21	24	31	47	14	16	19	24	37
6.0	B	11	13	15	19	27	13	16	18	22	32	17	19	22	28	40
6.0	D	6	7	8	10	15	14	16	18	24	36	11	12	14	19	28
6.5	B	9	11	12	16	23	11	13	15	19	27	14	17	19	24	34
6.5	D	4	5	6	8	12	11	13	15	19	29	8	10	11	15	22
7.0	B	8	9	11	14	20	10	11	13	16	23	12	14	16	20	29
7.0	D	4	4	5	6	9	9	10	12	15	23	7	8	9	12	18
7.5	B	7	8	9	12	17	9	10	11	14	20	11	12	14	18	26
7.5	D	3	3	4	5	8	7	8	9	12	19	5	6	7	10	15
8.0	B	6	7	8	11	15	8	9	10	13	18	9	11	12	16	22
8.0	D	2	3	3	4	6	6	7	8	10	15	5	5	6	8	12