



SECTION PROPERTIES (Per meter of width)										
METRIC	Base Steel Thickness (mm)	Coated Steel Thickness (Z275) (mm)	Coated Mass (kg/m ²)	Sec. Modulus		Deflection Moment of Inertia (10 ⁶ mm ⁴)	Specified Web Crippling Data			
				Midspan	Support		P _{e1} End (kN)	P _{e2} End (kN)	P _{i1} Interior (kN)	P _{i2} Interior (kN)
				(10 ³ mm ³)	(10 ³ mm ³)					
	0.762	0.802	7.86	10.2	10.4	0.237	2.57	0.642	4.50	0.766
	0.914	0.954	9.42	12.4	13.0	0.298	3.81	0.952	6.73	1.14
	1.219	1.259	12.5	16.9	17.2	0.397	7.04	1.76	12.6	2.14
	1.524	1.564	15.6	21.2	21.2	0.494	11.3	2.82	20.3	3.45

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (kPa)													
SPAN LENGTH (m)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)			
		0.762	0.914	1.219	1.524	0.762	0.914	1.219	1.524	0.762	0.914	1.219	1.524
1.0	S	11.3	13.7	18.6	23.4	11.5	14.4	18.9	23.4	14.4	18.0	23.7	29.3
	D	15.4	19.4	25.8	32.1	36.9	46.4	61.9	77.1	29.1	36.6	48.8	60.7
1.2	S	7.82	9.52	12.9	16.3	8.01	9.97	13.2	16.3	10.0	12.5	16.4	20.3
	D	8.91	11.2	14.9	18.6	21.4	26.9	35.8	44.6	16.8	21.2	28.2	35.1
1.4	S	5.74	6.99	9.49	11.9	5.88	7.33	9.66	11.9	7.35	9.16	12.1	14.9
	D	5.61	7.05	9.40	11.7	13.5	16.9	22.6	28.1	10.6	13.3	17.8	22.1
1.6	S	4.40	5.35	7.27	9.14	4.50	5.61	7.40	9.14	5.63	7.01	9.24	11.4
	D	3.76	4.72	6.30	7.84	9.02	11.3	15.1	18.8	7.10	8.93	11.9	14.8
1.8	S	3.47	4.23	5.74	7.22	3.56	4.43	5.84	7.22	4.45	5.54	7.30	9.03
	D	2.64	3.32	4.42	5.51	6.33	7.96	10.62	13.2	4.99	6.27	8.36	10.4
2.0	S	2.81	3.43	4.65	5.85	2.88	3.59	4.73	5.85	3.60	4.49	5.92	7.31
	D	1.92	2.42	3.22	4.01	4.62	5.80	7.74	9.63	3.64	4.57	6.09	7.59
2.2	S	2.33	2.83	3.84	4.83	2.38	2.97	3.91	4.83	2.98	3.71	4.89	6.04
	D	1.45	1.82	2.42	3.02	3.47	4.36	5.81	7.24	2.73	3.43	4.58	5.70
2.4	S	1.95	2.38	3.23	4.06	2.00	2.49	3.29	4.06	2.50	3.12	4.11	5.08
	D	1.11	1.40	1.87	2.32	2.67	3.36	4.48	5.57	2.10	2.64	3.53	4.39
2.6	S	1.67	2.03	2.75	3.46	1.71	2.12	2.80	3.46	2.13	2.66	3.50	4.33
	D	0.88	1.10	1.47	1.83	2.10	2.64	3.52	4.38	1.66	2.08	2.77	3.45
2.8	S	1.44	1.75	2.37	2.98	1.47	1.83	2.41	2.98	1.84	2.29	3.02	3.73
	D	0.70	0.88	1.18	1.46	1.68	2.12	2.82	3.51	1.33	1.67	2.22	2.76
3.0	S	1.25	1.52	2.07	2.60	1.28	1.60	2.10	2.60	1.60	1.99	2.63	3.25
	D	0.57	0.72	0.96	1.19	1.37	1.72	2.29	2.85	1.08	1.35	1.81	2.25
3.2	S	1.10	1.34	1.82	2.29	1.13	1.40	1.85	2.29	1.41	1.75	2.31	2.86
	D	0.47	0.59	0.79	0.98	1.13	1.42	1.89	2.35	0.89	1.12	1.49	1.85
3.4	S	0.97	1.19	1.61	2.02	1.00	1.24	1.64	2.02	1.25	1.55	2.05	2.53
	D	0.39	0.49	0.66	0.82	0.94	1.18	1.58	1.96	0.74	0.93	1.24	1.54
3.6	S	0.87	1.06	1.44	1.81	0.89	1.11	1.46	1.81	1.11	1.38	1.83	2.26
	D	0.33	0.41	0.55	0.69	0.79	1.00	1.33	1.65	0.62	0.78	1.04	1.30
3.8	S	0.78	0.95	1.29	1.62	0.80	0.99	1.31	1.62	1.00	1.24	1.64	2.03
	D	0.28	0.35	0.47	0.59	0.67	0.85	1.13	1.40	0.53	0.67	0.89	1.11
4.0	S	0.70	0.86	1.16	1.46	0.72	0.90	1.18	1.46	0.90	1.12	1.48	1.83
	D	0.24	0.30	0.40	0.50	0.58	0.73	0.97	1.20	0.45	0.57	0.76	0.95

- Notes:**
- 1 Based on ASTM A 653 Grade 230 structural steel.
 - 2 Values in row "S" are based on strength.
 - 3 Values in row "D" are based on deflection of 1/240th span.
 - 4 Web crippling not included in strength calculations. See example.

Limit States Design principles were used in accordance with CSA Standard S136-01