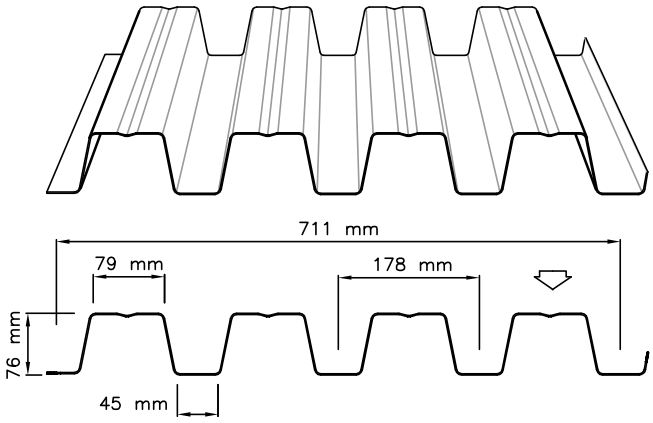
ideal roofing
Company Limited, Manufacturers

Capital Siding



Installed on vertical and horizontal applications, the **Capital Siding** with its 76mm deep corrugations provides aesthetic and strength which makes it a wise choice for institutional and industrial buildings. It is designed to withstand large loads at wide spans which make it very economical by saving on structural supports.

AVAILABLE MATERIALS*

Mill finish Galvanized Steel
Gauges: 22 (.032"/0.81mm),
20 (.038"/0.96mm),
18 (.049"/1.24mm).

Mill finish Galvalume Plus Steel
Gauge: 22 (.032"/0.81mm).

Pre-painted Galvanized Steel
Perspectra ***PLUS***™ Series / Weather XL™;:
see colour chart *;
Gauge: 22 (.032"/0.81mm).

*For other gauges, colours and finishes,

SECTION PROPERTIES (PER METRE OF WIDTH)

Base Steel Thickness (mm)	Coated Steel Thickness (Z275) (mm)	Coated Mass (kg/m^2)	Sec. Modulus Midspan ($10^3 mm^3$)	Sec. Modulus Support ($10^3 mm^3$)	Deflection Moment of Inertia ($10^6 mm^4$)	Specified Web Crippling Data P_{e1} End (kN)	P_{e2} End (kN)	P_{i1} Interior (kN)	P_{i2} Interior (kN)
0.762	0.802	10.5	23.4	24.0	1.05	2.13	0.532	4.03	0.686
0.914	0.954	12.6	30.0	30.3	1.32	3.18	0.796	6.04	1.03
1.219	1.26	16.7	41.3	42.9	1.84	5.96	1.49	11.3	1.92

(METRIC)

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (kPa)

SPAN LENGTH (m)		1-SPAN BASE STEEL THICKNESS (mm) 0.762	0.914	1.219	2-SPAN BASE STEEL THICKNESS (mm) 0.762	0.914	1.219	3-SPAN BASE STEEL THICKNESS (mm) 0.762	0.914	1.219
2.0	S	6.45	8.27	11.4	6.62	8.35	11.9	8.28	10.4	14.8
	D	11.4	14.3	19.9	27.4	34.3	47.8	21.6	27.0	37.7
2.2	S	5.33	6.84	9.42	5.47	6.90	9.79	6.84	8.63	12.2
	D	8.58	10.7	15.0	20.6	25.8	35.9	16.2	20.3	28.3
2.4	S	4.48	5.75	7.92	4.60	5.80	8.23	5.75	7.25	10.3
	D	6.61	8.26	11.5	15.9	19.8	27.7	12.5	15.6	21.8
2.6	S	3.82	4.90	6.75	3.92	4.94	7.01	4.90	6.18	8.76
	D	5.20	6.50	9.07	12.5	15.6	21.8	9.82	12.3	17.1
2.8	S	3.29	4.22	5.82	3.38	4.26	6.05	4.22	5.33	7.56
	D	4.16	5.20	7.26	9.98	12.5	17.4	7.86	9.84	13.7
3.0	S	2.87	3.68	5.07	2.94	3.71	5.27	3.68	4.64	6.58
	D	3.38	4.23	5.90	8.12	10.2	14.2	6.39	8.00	11.2
3.2	S	2.52	3.23	4.45	2.59	3.26	4.63	3.23	4.08	5.79
	D	2.79	3.49	4.86	6.69	8.37	11.7	5.27	6.59	9.19
3.4	S	2.23	2.86	3.94	2.29	2.89	4.10	2.86	3.61	5.13
	D	2.32	2.91	4.06	5.58	6.98	9.73	4.39	5.49	7.66
3.6	S	1.99	2.55	3.52	2.04	2.58	3.66	2.56	3.22	4.57
	D	1.96	2.45	3.42	4.70	5.88	8.20	3.70	4.63	6.46
3.8	S	1.79	2.29	3.16	1.83	2.31	3.28	2.29	2.89	4.10
	D	1.66	2.08	2.90	3.99	5.00	6.97	3.15	3.93	5.49
4.0	S	1.61	2.07	2.85	1.66	2.09	2.96	2.07	2.61	3.70
	D	1.43	1.78	2.49	3.42	4.28	5.98	2.70	3.37	4.71
4.2	S	1.46	1.88	2.58	1.50	1.89	2.69	1.88	2.37	3.36
	D	1.23	1.54	2.15	2.96	3.70	5.16	2.33	2.91	4.07
4.4	S	1.33	1.71	2.36	1.37	1.73	2.45	1.71	2.16	3.06
	D	1.07	1.34	1.87	2.57	3.22	4.49	2.03	2.53	3.54
4.6	S	1.22	1.56	2.15	1.25	1.58	2.24	1.57	1.97	2.80
	D	0.94	1.17	1.64	2.25	2.82	3.93	1.77	2.22	3.09
4.8	S	1.12	1.44	1.98	1.15	1.45	2.06	1.44	1.81	2.57
	D	0.83	1.03	1.44	1.98	2.48	3.46	1.56	1.95	2.72
5.0	S	1.03	1.32	1.82	1.06	1.34	1.90	1.32	1.67	2.37
	D	0.73	0.91	1.28	1.75	2.19	3.06	1.38	1.73	2.41

Notes:
1. Based on ASTM A 653 Grade 33 structural steel.
2. Values in row "S" are based on strength.
3. Values in row "D" are based on deflection of 1/180th span.
4. Web crippling not included in strength calculations. See Example.
Limit States Design principles were used in accordance with CSA Standard S136-07

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