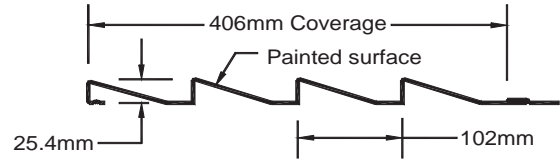




HPC4 SIDING



Maximum manufactured length is 5 m.

SECTION PROPERTIES (PER METRE 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)					
	0.457	0.497	5.69	2.23	2.23	0.0322				
	0.610	0.650	7.49	2.95	2.95	0.0430				

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (kPa)

SPAN LENGTH (m)		MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (kPa)											
		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (mm)		BASE STEEL THICKNESS (mm)		BASE STEEL THICKNESS (mm)		BASE STEEL THICKNESS (mm)					
		0.457	0.610	0.457	0.610	0.457	0.610	0.457	0.610				
1.0	S			2.46	3.26			2.46	3.26			3.07	4.08
	D			2.79	3.72			6.70	8.93			5.27	7.03
1.2	S			1.71	2.26			1.71	2.26			2.13	2.83
	D			1.61	2.15			3.88	5.17			3.05	4.07
1.4	S			1.25	1.66			1.25	1.66			1.57	2.08
	D			1.02	1.36			2.44	3.25			1.92	2.56
1.5	S			1.09	1.45			1.09	1.45			1.37	1.81
	D			0.83	1.10			1.98	2.65			1.56	2.08
1.6	S			0.96	1.27			0.96	1.27			1.20	1.59
	D			0.68	0.91			1.64	2.18			1.29	1.72
1.8	S			0.76	1.01			0.76	1.01			0.95	1.26
	D			0.48	0.64			1.15	1.53			0.90	1.21

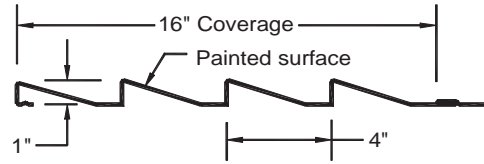
- Notes:**
- 1 Based on ASTM A 653 Grade 230 structural steel.
 - 2 Values in row "S" are based on strength.
 - 3 Values in row "D" are based on deflection of 1/180th span.
 - 4 Web crippling not included in strength calculations.

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





HPC4 SIDING



Maximum manufactured length is 16 ft.

SECTION PROPERTIES (PER FOOT OF WIDTH)

IMPERIAL	Base Steel Thickness (in.)	Coated Steel Thickness (G90) (in.)	Coated Weight (psf)	Sec. Modulus		Deflection Moment of Inertia (in. ⁴)	Specified Web Crippling Data			
				Midspan	Support		P _{e1} End (lb)	P _{e2} End (lb)	P _{i1} Interior (lb)	P _{i2} Interior (lb)
				(in. ³)	(in. ³)					
0.018	0.0195	1.17	0.0414	0.0414	0.0236					
0.024	0.0255	1.53	0.0549	0.0549	0.0315					

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (PSF)

SPAN LENGTH (ft)		MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (PSF)											
		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (inches)		BASE STEEL THICKNESS (inches)		BASE STEEL THICKNESS (inches)		BASE STEEL THICKNESS (inches)		BASE STEEL THICKNESS (inches)		BASE STEEL THICKNESS (inches)	
		0.018	0.024	0.018	0.024	0.018	0.024	0.018	0.024	0.018	0.024		
3.0	S			61	81			61	81			76	101
	D			76	102			183	244			144	192
3.5	S			45	59			45	59			56	74
	D			48	64			115	154			91	121
4.0	S			34	45			34	45			43	57
	D			32	43			77	103			61	81
4.5	S			27	36			27	36			34	45
	D			23	30			54	72			43	57
5.0	S			22	29			22	29			27	36
	D			16	22			40	53			31	41
5.5	S			18	24			18	24			23	30
	D			12	16			30	40			23	31
6.0	S			15	20			15	20			19	25
	D			10	13			23	30			18	24

- 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.

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

