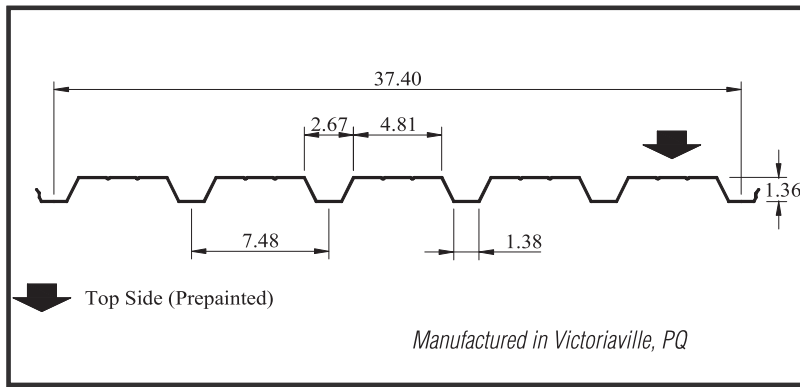


LIMIT STATES DESIGN



CLADDING

CL5022R

Imperial

Note

- Properties and loads are based on Grade 33 Steel with a minimum yield stress of 33,000 psi, and a maximum stress under Factored loads of 29,700 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].
- Where cladding is subjected only to wind load, strength values may be increased by 7%.
- 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 value in Row B. Deflection capacity should be checked against specified Load(s).
- An * indicates capacity has been reduced to account for web crippling.

Base Steel Nominal Thickness (inches)	Nominal Thickness Z275 Coating (inches)	Mass with Coating (lb/ft ²)	Section Modulus		Moment of Inertia (inches ⁴)	Factored Resistance			
			Midspan (inches ³)	Support (inches ³)		Moment (lb-in)		Reaction (pounds)	
						Midspan (lb-in)	Support (lb-in)	Exterior (pounds)	Interior (pounds)
0.018	0.020	----	----	----	----	----	----	----	----
0.024	0.026	1.333	0.0971	0.0999	0.0842	2883.9	2967.0	384	569
0.030	0.032	1.642	0.1242	0.1337	0.1334	3688.7	3970.9	576	863
0.036	0.038	----	----	----	----	----	----	----	----
0.048	0.050	----	----	----	----	----	----	----	----

PHYSICAL PROPERTIES

(PER FOOT WIDTH) In accordance with CSA Specification S136-07

LOAD TABLE

Maximum Specified Uniformly Distributed Load in lb/ft² (psf)

Support Spacing		1-Span Base Steel Nominal Thickness (inches)					2-Span Base Steel Nominal Thickness (inches)					3-Span Base Steel Nominal Thickness (inches)				
		0.018	0.024	0.030	0.036	0.048	0.018	0.024	0.030	0.036	0.048	0.018	0.024	0.030	0.036	0.048
		4' - 0"	B		80	102			76*	110				86*	131*	
	D		115	155			276	372				217	293			
4' - 6"	B		63	81			65	87				77*	109			
	D		81	109			194	261				153	206			
5' - 0"	B		51	66			53	71				66	88			
	D		59	79			141	190				111	150			
5' - 6"	B		42	54			44	58				54	73			
	D		44	60			106	143				84	113			
6' - 0"	B		36	46			37	49				46	61			
	D		34	46			82	110				64	87			
6' - 6"	B		30	39			31	42				39	52			
	D		27	36			64	87				51	68			
7' - 0"	B		26	33			27	36				34	45			
	D		21	29			51	69				41	55			
7' - 6"	B		23	29			23	31				29	39			
	D		17	23			42	56				33	44			
8' - 0"	B		20	26			21	28				26	34			
	D		14	19			34	46				27	37			
8' - 6"	B			23				24				23	31			
	D			16				39				23	31			
9' - 0"	B			20				22				20	27			
	D			14				33				19	26			

In accordance with ongoing efforts to improve our products and their performance, Vicwest reserves the right to change without notice the specifications contained herein.

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