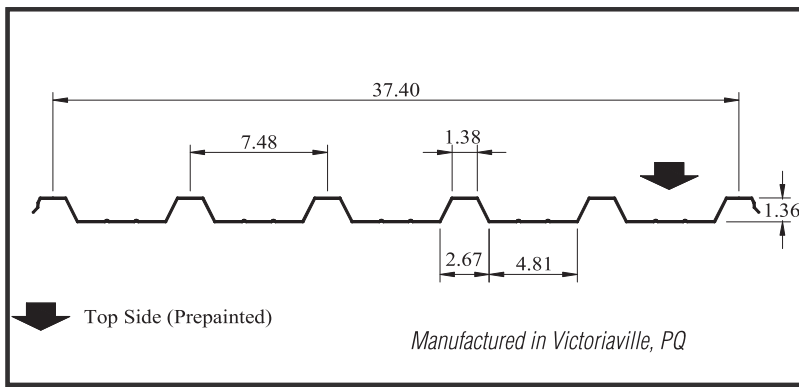


**LIMIT STATES DESIGN**



**CLADDING**

**CL622R**

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 <sup>2</sup> )	Section Modulus		Moment of Inertia (inches <sup>4</sup> )	Factored Resistance			
			Midspan (inches <sup>3</sup> )	Support (inches <sup>3</sup> )		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	0.0999	0.0971	0.1033	2967.0	2883.9	363	500
0.030	0.032	1.642	0.1337	0.1242	0.1291	3970.9	3688.7	555	774
0.036	0.038	----	----	----	----	----	----	----	----
0.048	0.050	----	----	----	----	----	----	----	----

**PHYSICAL PROPERTIES**

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

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		82	110			67*	102				76*	117*	
	D		141	176			339	423				267	333			
4' - 6"	B		65	87			59*	81				67*	101			
	D		99	124			238	297				187	234			
5' - 0"	B		53	71			51	66				61*	82			
	D		72	90			173	217				137	171			
5' - 6"	B		44	58			42	54				53	68			
	D		54	68			130	163				103	128			
6' - 0"	B		37	49			36	46				45	57			
	D		42	52			100	125				79	99			
6' - 6"	B		31	42			30	39				38	49			
	D		33	41			79	99				62	78			
7' - 0"	B		27	36			26	33				33	42			
	D		26	33			63	79				50	62			
7' - 6"	B		23	31			23	29				28	36			
	D		21	27			51	64				40	51			
8' - 0"	B		21	28			20	26				25	32			
	D		18	22			42	53				33	42			
8' - 6"	B			24				23				22	28			
	D			18				44				28	35			
9' - 0"	B			22				20					25			
	D			15				37					29			

**LOAD TABLE**

Maximum Specified Uniformly Distributed Load in lb/ft<sup>2</sup> (psf)

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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VW00153EN01/11