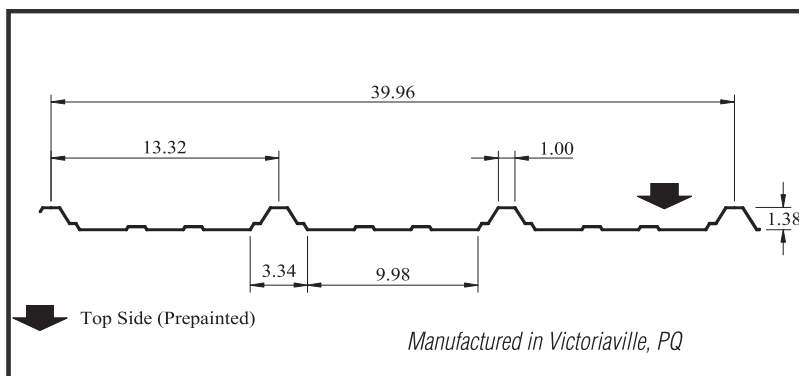


## LIMIT STATES DESIGN

### 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.



## CLADDING

### CL435

Imperial

## PHYSICAL PROPERTIES

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

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)	
0.018	0.020	0.969	0.0383	0.0339	0.0482	1137.5	1006.8	116	151
0.024	0.026	1.253	0.0558	0.0469	0.0642	1657.3	1392.9	192	267
0.030	0.032	1.540	0.0694	0.0601	0.0802	2061.2	1785.0	295	418
0.036	0.038	1.831	0.0831	0.0738	0.0961	2468.1	2191.9	418	596
0.048	0.050	----	-----	-----	-----	-----	-----	-----	-----

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
3' - 0"	B	52*	82	102	122		27*	47*	74*	106*		31*	54*	84*	120*	
	D	156	208	260	311		374	499	623	747		295	393	491	588	
3' - 6"	B	41	60	75	90		23*	41*	64*	80		26*	46*	72*	99	
	D	98	131	164	196		236	314	392	470		186	247	309	370	
4' - 0"	B	32	46	57	69		20*	36*	50	61		23*	40*	62	76	
	D	66	88	110	131		158	210	263	315		124	166	207	248	
4' - 6"	B	25	36	45	54			31	39	48		20*	36*	49	60	
	D	46	62	77	92			148	185	221		87	116	145	174	
5' - 0"	B	20	29	37	44			25	32	39			31	40	49	
	D	34	45	56	67			108	135	161			85	106	127	
5' - 6"	B		24	30	36			20	26	32			26	33	40	
	D		34	42	50			81	101	121			64	80	95	
6' - 0"	B		20	25	30				22	27			21	28	34	
	D		26	32	39				78	93			49	61	73	
6' - 6"	B			22	26					23				23	29	
	D			26	31					73				48	58	
7' - 0"	B				22									20	25	
	D				24									39	46	
7' - 6"	B														22	
	D														38	
8' - 0"	B															
	D															

## 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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