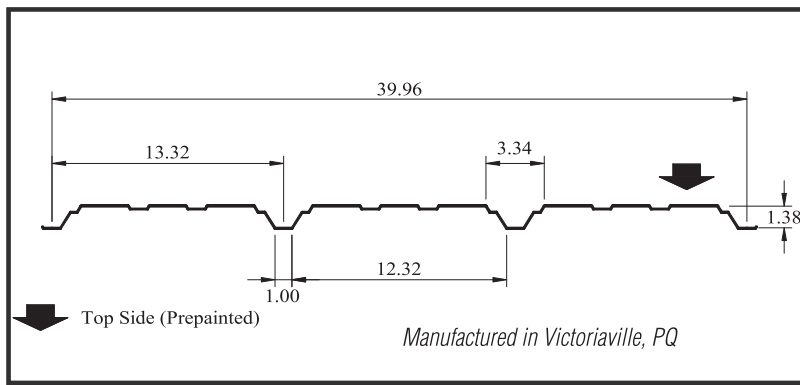


LIMIT STATES DESIGN

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

CL3035

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 ²)	Section Modulus		Moment of Inertia (inches ⁴)	Factored Resistance			
			Midspan (inches ³)	Support (inches ³)		Moment (lb-in)		Reaction (pounds)	
0.018	0.020	0.969	0.0339	0.0383	0.0308	1006.8	1137.5	116	178
0.024	0.026	1.253	0.0469	0.0558	0.0461	1392.9	1657.3	206	308
0.030	0.032	1.540	0.0601	0.0694	0.0628	1785.0	2061.2	308	466
0.036	0.038	1.831	0.0738	0.0831	0.0804	2191.9	2468.1	432	658
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	50	69	88	108		32*	55*	83*	117*		36*	62*	94*	133*	
	D	100	149	203	260		239	358	488	625		188	282	384	492	
3' - 6"	B	37	51	65	80		27*	47*	71*	90		31*	53*	81*	112	
	D	63	94	128	164		151	226	307	393		119	178	242	310	
4' - 0"	B	28	39	50	61		24*	41*	57	69		27*	47*	71*	86	
	D	42	63	86	110		101	151	206	264		80	119	162	208	
4' - 6"	B	22	31	39	48		21*	36	45	54		24*	41*	57	68	
	D	30	44	60	77		71	106	145	185		56	84	114	146	
5' - 0"	B		25	32	39			29	37	44		22*	37	46	55	
	D		32	44	56			77	105	135		41	61	83	106	
5' - 6"	B		20	26	32			24	30	36			30	38	45	
	D		24	33	42			58	79	101			46	62	80	
6' - 0"	B			22	27			20	25	30			26	32	38	
	D			25	33			45	61	78			35	48	61	
6' - 6"	B				23				22	26			22	27	32	
	D				26				48	61			28	38	48	
7' - 0"	B									22				23	28	
	D									49				30	39	
7' - 6"	B													20	24	
	D													25	31	
8' - 0"	B														21	
	D														26	

LOAD TABLE

Maximum Specified
Uniformly Distributed
Load in lb/ft² (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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