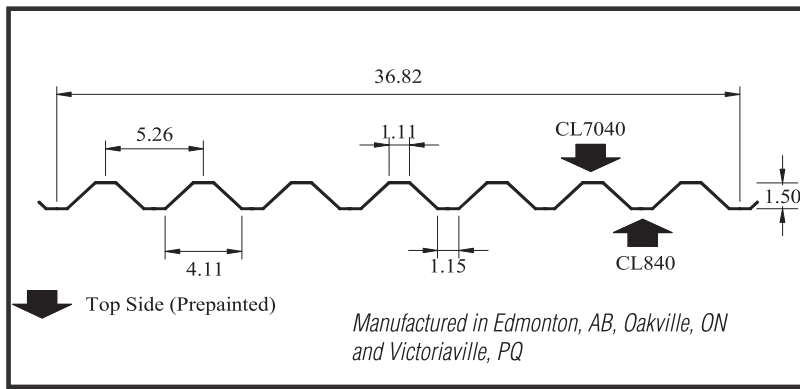


LIMIT STATES DESIGN



CLADDING

**CL7040
CL840**

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	1.051	0.1012	0.1012	0.0834	3005.6	3005.6	233	343
0.024	0.026	1.360	0.1442	0.1443	0.1114	4282.7	4285.7	404	603
0.030	0.032	1.673	0.1817	0.1817	0.1393	5396.5	5396.5	610	925
0.036	0.038	1.987	0.2176	0.2176	0.1673	6462.7	6462.7	863	1309
0.048	0.050	2.615	0.2877	0.2877	0.2227	8544.7	8544.7	1460	2254

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	78*	119	150	180	237	46*	80*	123*	175*	237	52*	91*	140*
	D	114	152	190	228	304	273	365	457	548	730	215	288	360	432	575
4' - 6"	B	66	94	118	142	188	41*	71*	110*	142	188	46*	81*	125*	176*	234
	D	80	107	134	160	214	192	256	321	385	513	151	202	253	303	404
5' - 0"	B	53	76	96	115	152	37*	64*	96	115	152	42*	73*	112*	144	190
	D	58	78	97	117	156	140	187	234	281	374	110	147	184	221	294
5' - 6"	B	44	63	79	95	126	33*	58*	79	95	126	38*	66*	99	119	157
	D	44	59	73	88	117	105	140	176	211	281	83	111	138	166	221
6' - 0"	B	37	53	67	80	105	30*	53	67	80	105	35*	61*	83	100	132
	D	34	45	56	68	90	81	108	135	162	216	64	85	107	128	170
6' - 6"	B	32	45	57	68	90	28*	45	57	68	90	32*	56*	71	85	112
	D	27	35	44	53	71	64	85	106	128	170	50	67	84	101	134
7' - 0"	B	27	39	49	59	78	26*	39	49	59	78	30*	49	61	73	97
	D	21	28	35	43	57	51	68	85	102	136	40	54	67	81	107
7' - 6"	B	24	34	43	51	68	24	34	43	51	68	28*	42	53	64	84
	D	17	23	29	35	46	41	55	69	83	111	33	44	55	66	87
8' - 0"	B	21	30	37	45	59	21	30	37	45	59	26*	37	47	56	74
	D	14	19	24	29	38	34	46	57	69	91	27	36	45	54	72
8' - 6"	B		26	33	40	53		26	33	40	53	23	33	41	50	66
	D		16	20	24	32		38	48	57	76	22	30	37	45	60
9' - 0"	B		23	30	35	47		24	30	35	47	21	29	37	44	59
	D		13	17	20	27		32	40	48	64	19	25	32	38	50

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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