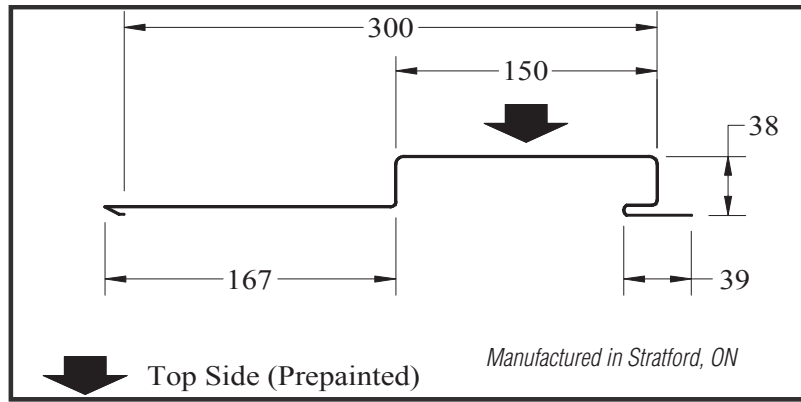


**LIMIT STATES DESIGN**



**CLADDING**

**AD150**

Metric

**PHYSICAL PROPERTIES**

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

Base Steel Nominal Thickness (mm)	Nominal Thickness Z275 Coating (mm)	Mass with Coating (kg/m <sup>2</sup> )	Section Modulus		Moment of Inertia (mm <sup>4</sup> x 10 <sup>3</sup> )	Factored Resistance			
			Midspan (mm <sup>3</sup> x 10 <sup>3</sup> )	Support (mm <sup>3</sup> x 10 <sup>3</sup> )		Moment (N-m)		Reaction (kN)	
0.46	0.50	----	----	----	----	----	----	----	----
0.61	0.65	----	----	----	----	----	----	----	----
0.76	0.80	9.35	5.12	7.93	143.3	1059.8	1641.5	5.8	8.3
0.91	0.95	11.11	6.82	10.67	186.5	1411.7	2208.7	8.1	11.7
1.22	1.26	----	----	----	----	----	----	----	----

**LOAD TABLE**

Maximum Specified Uniformly Distributed Load in kN/m<sup>2</sup> (kPa)

Support Spacing (mm)		1-Span Base Steel Nominal Thickness (mm)					2-Span Base Steel Nominal Thickness (mm)					3-Span Base Steel Nominal Thickness (mm)				
		0.46	0.61	0.76	0.91	1.22	0.46	0.61	0.76	0.91	1.22	0.46	0.61	0.76	0.91	1.22
1200	B			3.9	5.2				3.7*	5.2*				4.2*	5.9*	
	D			7.2	9.3				17.2	22.4				13.6	17.7	
1400	B			2.9	3.8				3.2*	4.5*				3.6*	5.1*	
	D			4.5	5.9				10.9	14.1				8.5	11.1	
1600	B			2.2	2.9				2.8*	3.9*				3.1*	4.4*	
	D			3.0	3.9				7.3	9.5				5.7	7.5	
1800	B			1.7	2.3				2.5*	3.5*				2.7	3.6	
	D			2.1	2.8				5.1	6.6				4.0	5.2	
2000	B			1.4	1.9				2.2	2.9				2.2	2.9	
	D			1.6	2.0				3.7	4.8				2.9	3.8	
2200	B			1.2	1.6				1.8	2.4				1.8	2.4	
	D			1.2	1.5				2.8	3.6				2.2	2.9	
2400	B				1.3				1.5	2.0				1.5	2.0	
	D				1.2				2.2	2.8				1.7	2.2	
2600	B				1.1				1.3	1.7				1.3	1.7	
	D				0.9				1.7	2.2				1.3	1.7	
2800	B								1.1	1.5				1.1	1.5	
	D								1.4	1.8				1.1	1.4	
3000	B									1.3					1.3	
	D									1.4					1.1	
3200	B									1.2					1.1	
	D									1.2					0.9	

**Note**

1. Properties and loads are based on Grade 230 Steel with a minimum yield stress of 230 MPa, and a maximum stress under Factored loads of 207 MPa.

2. 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].

3. Where cladding is subjected only to wind load, strength values may be increased by 7%.

4. 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).

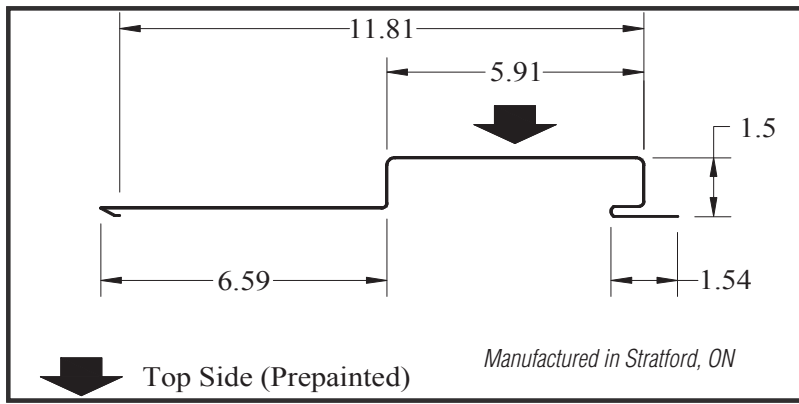
5. An \* indicates capacity has been reduced to account for web crippling.

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

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**LIMIT STATES DESIGN**



**CLADDING**

**AD150**

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.

**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	----	----	----	----	----	----	----	----
0.024	0.026	----	----	----	----	----	----	----	----
0.030	0.032	1.915	0.0952	0.1474	0.1049	2827.4	4377.8	397	569
0.036	0.038	2.275	0.1269	0.1985	0.1366	3768.9	5895.5	555	802
0.048	0.050	----	----	----	----	----	----	----	----

**LOAD TABLE**

Maximum Specified Uniformly Distributed Load in lb/ft<sup>2</sup> (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			79	105				76*	107*				86*	122*	
	D			143	187				344	448				271	353	
4' - 6"	B			62	83				67*	95*				77*	108*	
	D			101	131				241	314				190	248	
5' - 0"	B			50	67				61*	86*				69*	97*	
	D			73	96				176	229				139	181	
5' - 6"	B			42	55				55*	78*				63*	87	
	D			55	72				132	172				104	136	
6' - 0"	B			35	47				51*	71*				55	73	
	D			42	55				102	133				80	104	
6' - 6"	B			30	40				46	62				46	62	
	D			33	43				80	104				63	82	
7' - 0"	B			26	34				40	53				40	53	
	D			27	35				64	84				51	66	
7' - 6"	B			22	30				35	47				35	47	
	D			22	28				52	68				41	53	
8' - 0"	B				26				30	41				31	41	
	D				23				43	56				34	44	
8' - 6"	B				23				27	36				27	36	
	D				19				36	47				28	37	
9' - 0"	B				21				24	32				24	32	
	D				16				30	39				24	31	

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