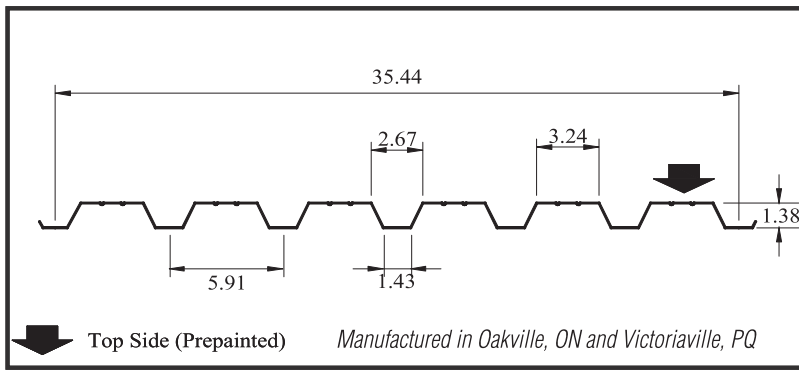


**LIMIT STATES DESIGN**



**CLADDING**  
**CL6025R**  
**CL6025SR**

Imperial

CL6025R as shown above, may be produced in base steel nominal thickness of 0.018", 0.024" and 0.030" only.  
CL6025SR without minor ribs, may be produced in base steel nominal thickness of 0.018", 0.024", 0.030", 0.036" and 0.048".

**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	1.092	0.0852	0.0846	0.0721	2530.4	2512.6	288	418
0.024	0.026	1.413	0.1248	0.1241	0.1054	3706.6	3685.8	487	719
0.030	0.032	1.823	0.1592	0.1659	0.1394	4728.2	4927.2	726	1096
0.036	0.038	2.064	0.1942	0.2031	0.1730	5767.7	6032.1	1021	1549
0.048	0.050	2.716	0.2632	0.2677	0.2340	7817.0	7950.7	1713	2645

**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	70	103	131	160	217	56*	96*	137	168	221	63*	109*	166*
	D	98	144	190	236	320	236	345	457	567	767	186	272	360	447	604
4' - 6"	B	56	81	104	127	172	50*	81	108	132	175	56*	97*	135	165	218
	D	69	101	134	166	224	166	243	321	398	539	131	191	253	314	424
5' - 0"	B	45	66	84	103	139	45*	66	88	107	141	51*	82	109	134	177
	D	50	74	97	121	164	121	177	234	290	393	95	139	184	229	309
5' - 6"	B	37	54	69	85	115	37	54	72	89	117	46*	68	90	111	146
	D	38	55	73	91	123	91	133	176	218	295	72	105	138	172	232
6' - 0"	B	31	46	58	71	97	31	46	61	74	98	39	57	76	93	123
	D	29	43	56	70	95	70	102	135	168	227	55	81	107	132	179
6' - 6"	B	27	39	50	61	82	26	39	52	63	84	33	48	65	79	105
	D	23	34	44	55	74	55	81	106	132	179	43	63	84	104	141
7' - 0"	B	23	34	43	52	71	23	33	45	55	72	28	42	56	68	90
	D	18	27	36	44	60	44	64	85	106	143	35	51	67	83	113
7' - 6"	B		29	37	46	62		29	39	48	63	25	36	49	60	79
	D		22	29	36	48		52	69	86	116	28	41	55	68	92
8' - 0"	B		26	33	40	54		26	34	42	55	22	32	43	52	69
	D		18	24	30	40		43	57	71	96	23	34	45	56	76
8' - 6"	B		23	29	35	48		23	30	37	49		28	38	46	61
	D		15	20	25	33		36	48	59	80		28	37	47	63
9' - 0"	B		20	26	32	43		20	27	33	44		25	34	41	55
	D		13	17	21	28		30	40	50	67		24	32	39	53

**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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