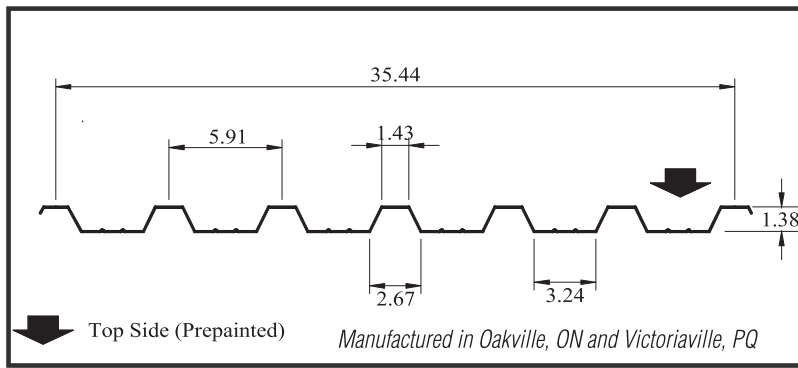


**LIMIT STATES DESIGN**



**CLADDING**  
**CL725R**  
**CL725SR**

Imperial

CL725SR as shown above, may be produced in base steel nominal thickness of 0.018", 0.024" and 0.030" only.  
CL725SR 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	0.0846	0.0852	0.0854	2512.6	2530.4	274	356
0.024	0.026	1.413	0.1241	0.1248	0.1175	3685.8	3706.6	466	630
0.030	0.032	1.823	0.1659	0.1592	0.1468	4927.2	4728.2	699	980
0.036	0.038	2.064	0.2031	0.1942	0.1763	6032.1	5767.7	987	1405
0.048	0.050	2.716	0.2677	0.2632	0.2340	7950.7	7817.0	1665	2433

**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	102	137	168	221	47*	84*	131*	160	217	54*	95*	148*
	D	117	160	200	241	320	280	385	481	578	767	220	303	379	455	604
4' - 6"	B	55	81	108	132	175	42*	75*	104	127	172	48*	85*	130	158	214
	D	82	113	141	169	224	197	270	338	406	539	155	213	266	320	424
5' - 0"	B	45	66	88	107	141	38*	66	84	103	139	43*	76*	105	128	174
	D	60	82	103	123	164	143	197	246	296	393	113	155	194	233	309
5' - 6"	B	37	54	72	89	117	35*	54	69	85	115	39*	68	87	106	144
	D	45	62	77	93	123	108	148	185	222	295	85	117	146	175	232
6' - 0"	B	31	46	61	74	98	31	46	58	71	97	36*	57	73	89	121
	D	35	48	59	71	95	83	114	143	171	227	65	90	112	135	179
6' - 6"	B	26	39	52	63	84	27	39	50	61	82	33*	49	62	76	103
	D	27	37	47	56	74	65	90	112	135	179	51	71	88	106	141
7' - 0"	B	23	33	45	55	72	23	34	43	52	71	29	42	54	65	89
	D	22	30	37	45	60	52	72	90	108	143	41	57	71	85	113
7' - 6"	B		29	39	48	63		29	37	46	62	25	37	47	57	77
	D		24	30	37	48		58	73	88	116	33	46	57	69	92
8' - 0"	B		26	34	42	55		26	33	40	54	22	32	41	50	68
	D		20	25	30	40		48	60	72	96	28	38	47	57	76
8' - 6"	B		23	30	37	49		23	29	35	48		29	36	44	60
	D		17	21	25	33		40	50	60	80		32	39	47	63
9' - 0"	B		20	27	33	44		20	26	32	43		25	32	40	54
	D		14	18	21	28		34	42	51	67		27	33	40	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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