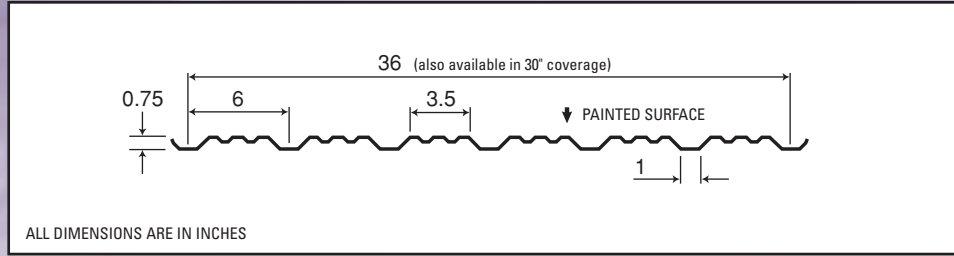


# Wall Cladding and Liner Panel

# DR6-75



## Section Properties

(Per Foot of Width)

Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	Section Modulus		Deflection Moment of Inertia Mid Span (in <sup>4</sup> )	Specified Web Crippling Data (lb)			
			Mid Span (in <sup>3</sup> )	Support (in <sup>3</sup> )		End Pe1	End Pe2	Interior Pi1	Interior Pi2
0.0120	0.64	33	0.0202	0.0221	0.0098	21.9	5.46	43.5	7.40
0.0135	0.71	80	0.0208	0.0232	0.0102	53.7	13.4	107	18.1
0.0180	0.93	33	0.0361	0.0381	0.0182	52.9	13.2	104	17.7
0.0240	1.22	33	0.0498	0.0550	0.0268	97.9	24.5	191	32.5
0.0300	1.51	33	0.0637	0.0683	0.0356	157	39.3	306	52.0

Live Load Factor = 1.4; Importance Factor ( $I_{W-SLS}$ ) = 0.75; Importance Factor ( $I_{W-ULS}$ ) = 1.0

## Load Table

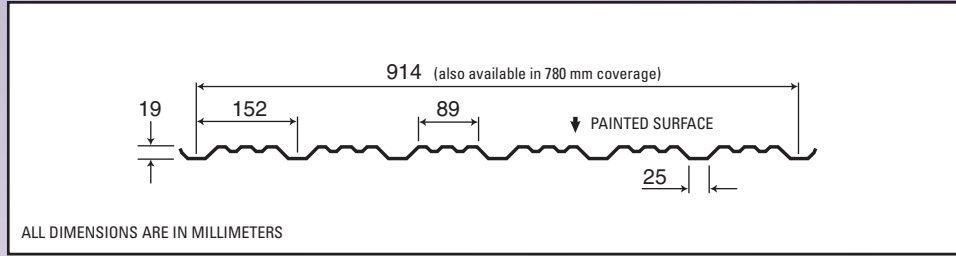
Maximum Specified Uniformly Distributed Loads in psf

Span (ft.)		1-Span Base Steel Thickness (in.)					2-Span Base Steel Thickness (in.)					3-Span Base Steel Thickness (in.)				
		0.0120	0.0135	0.0180	0.0240	0.0300	0.0120	0.0135	0.0180	0.0240	0.0300	0.0120	0.0135	0.0180	0.0240	0.0300
1'-4"	S	161	314	288	397	507	176	351	303	438	543	220	438	379	547	679
	D	480	502	892	1316	1747	1153	1205	2140	3159	4193	908	949	1685	2487	3302
1'-8"	S	103	201	184	254	324	113	224	194	280	348	141	280	242	350	434
	D	246	257	457	674	895	590	617	1096	1617	2147	465	486	863	1274	1691
2'-0"	S	72	140	128	176	225	78	156	135	194	241	98	195	168	243	302
	D	142	149	264	390	518	342	357	634	936	1242	269	281	499	737	978
2'-6"	S	46	89	82	113	144	50	100	86	124	154	63	125	108	156	193
	D	73	76	135	200	265	175	183	325	479	636	138	144	256	377	501
3'-0"	S	32	62	57	78	100	35	69	60	86	107	43	87	75	108	134
	D	42	44	78	116	153	101	106	188	277	368	80	83	148	218	290
3'-6"	S	23	46	42	58	74	26	51	44	64	79	32	64	55	79	99
	D	27	28	49	73	97	64	67	118	175	232	50	52	93	138	183
4'-0"	S	18	35	32	44	56	20	39	34	49	60	24	49	42	61	75
	D	18	19	33	49	65	43	45	79	117	155	34	35	62	92	122
4'-6"	S	14	28	25	35	44	15	31	27	38	48	19	38	33	48	60
	D	12	13	23	34	45	30	31	56	82	109	24	25	44	65	86
5'-0"	S			20	28	36	13	25	22	31	39	16	31	27	39	48
	D			17	25	33	22	23	41	60	80	17	18	32	47	63
5'-6"	S			17	23	30	10	21	18	26	32	13	26	22	32	40
	D			13	19	25	16	17	30	45	60	13	14	24	35	47
6'-0"	S				20	25		17	15	22	27		22	19	27	34
	D				14	19		13	23	35	46		10	18	27	36
6'-6"	S				17	21		15	13	18	23			16	23	29
	D				11	15		10	18	27	36			15	21	29
7'-0"	S					18			11	16	20			14	20	25
	D					12			15	22	29			12	17	23

## Notes:

1. Steel conforms to ASTM A653.
2. Section properties are in accordance with CSA-S136-07.
3. Values in row "S" are based on strength.
4. Values in row "D" are based on a deflection limit of 1/180 of the span.
5. Web crippling not included in strength values. See example calculation in notes to designer.
6. Contact the sales department for stocked colours and gauges.
7. The load table contained on this data sheet was prepared by Dr. R.M. Schuster P.Eng. Professor Emeritus of Structural Engineering, University of Waterloo, Ontario, Canada.





**Section Properties**

(Per Metre of Width)

Base Steel Thickness (mm)	Mass Z275 (kg/m <sup>2</sup> )	Yield Stress (MPa)	Section Modulus (x 10 <sup>3</sup> mm <sup>3</sup> )		Deflection Moment of Inertia Mid Span (x 10 <sup>6</sup> mm <sup>4</sup> )	Specified Web Crippling Data (kN)			
			Mid Span	Support		End	End	Interior	Interior
						Pe1	Pe2	Pi1	Pi2
0.305	3.11	230	1.09	1.19	0.0133	0.322	0.081	0.642	0.109
0.343	3.46	550	1.12	1.25	0.0140	0.782	0.196	1.55	0.264
0.457	4.52	230	1.94	2.04	0.0248	0.780	0.195	1.53	0.261
0.610	5.94	230	2.68	2.96	0.0366	1.45	0.361	2.82	0.480
0.762	7.36	230	3.42	3.67	0.0486	2.32	0.580	4.51	0.767

**Notes:**

1. Steel conforms to ASTM A653M.
2. Section properties are in accordance with CSA-S136-07.
3. Values in row "S" are based on strength.
4. Values in row "D" are based on a deflection limit of 1/180 of the span.

5. Web crippling not included in strength values. See example calculation in notes to designer.

6. Contact the sales department for stocked colours and gauges.

7. The load table contained on this data sheet was prepared by Dr. R.M. Schuster P.Eng. Professor Emeritus of Structural Engineering, University of Waterloo, Ontario, Canada.

Live Load Factor = 1.4; Importance Factor (I<sub>w-SLS</sub>) = 0.75; Importance Factor (I<sub>w-ULS</sub>) = 1.0

**Load Table**

Maximum Specified Uniformly Distributed Loads in kPa

Span (mm)		1-Span Base Steel Thickness (mm)					2-Span Base Steel Thickness (mm)					3-Span Base Steel Thickness (mm)				
		0.305	0.343	0.457	0.610	0.762	0.305	0.343	0.457	0.610	0.762	0.305	0.343	0.457	0.610	0.762
400	S	8.03	15.5	14.4	19.8	25.3	8.78	17.3	15.1	21.9	27.1	11.0	21.6	18.9	27.3	33.9
	D	24.1	25.2	44.7	66.0	87.6	57.8	60.5	107	158	210	45.5	47.7	84.5	125	166
500	S	5.14	9.92	9.19	12.7	16.2	5.62	11.1	9.67	14.0	17.4	7.02	13.8	12.1	17.5	21.7
	D	12.3	12.9	22.9	33.8	44.9	29.6	31.0	54.9	81.1	108	23.3	24.4	43.2	63.8	84.8
600	S	3.57	6.89	6.38	8.80	11.3	3.90	7.69	6.72	9.72	12.1	4.88	9.61	8.40	12.2	15.1
	D	7.13	7.47	13.2	19.6	26.0	17.1	17.9	31.8	46.9	62.3	13.5	14.1	25.0	36.9	49.1
800	S	2.01	3.88	3.59	4.95	6.33	2.20	4.32	3.78	5.47	6.78	2.74	5.40	4.72	6.83	8.48
	D	3.01	3.15	5.59	8.25	11.0	7.22	7.57	13.4	19.8	26.3	5.69	5.96	10.6	15.6	20.7
1000	S	1.28	2.48	2.30	3.17	4.05	1.40	2.77	2.42	3.50	4.34	1.76	3.46	3.02	4.37	5.43
	D	1.54	1.61	2.86	4.22	5.61	3.70	3.87	6.86	10.1	13.5	2.91	3.05	5.41	7.98	10.6
1200	S	0.89	1.72	1.60	2.20	2.81	0.98	1.92	1.68	2.43	3.01	1.22	2.40	2.10	3.04	3.77
	D	0.89	0.93	1.66	2.44	3.25	2.14	2.24	3.97	5.86	7.79	1.68	1.77	3.13	4.62	6.13
1400	S	0.66	1.27	1.17	1.62	2.07	0.72	1.41	1.23	1.78	2.21	0.90	1.76	1.54	2.23	2.77
	D	0.56	0.59	1.04	1.54	2.04	1.35	1.41	2.50	3.69	4.90	1.06	1.11	1.97	2.91	3.86
1500	S			1.02	1.41	1.80	0.62	1.23	1.07	1.55	1.93	0.78	1.54	1.34	1.94	2.41
	D			0.85	1.25	1.66	1.10	1.15	2.03	3.00	3.99	0.86	0.90	1.60	2.36	3.14
1600	S			0.90	1.24	1.58	0.55	1.08	0.94	1.37	1.70	0.69	1.35	1.18	1.71	2.12
	D			0.70	1.03	1.37	0.90	0.95	1.68	2.47	3.29	0.71	0.74	1.32	1.95	2.59
1800	S			0.98	1.25		0.85	0.75	1.08	1.34		1.07	0.93	1.35	1.67	
	D			0.72	0.96		0.66	1.18	1.74	2.31		0.52	0.93	1.37	1.82	

