

↓ Arrow indicates the colour side.

Groove optional

SECTION PROPERTIES (PER FOOT OF WIDTH)

IMPERIAL	Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	Sec. Modulus		Deflection Moment of Inertia (in ⁴)	Specified Web Crippling Data			
				Midspan	Support		P _{e1} End (lb)	P _{e2} End (lb)	P _{i1} Interior (lb)	P _{i2} Interior (lb)
				(in ³)	(in ³)					
	0.024	1.49	33	0.0693	0.126	0.0999	133	33.3	244	41.5
	0.030	1.84	33	0.0968	0.164	0.137	215	53.6	394	67.0
	0.036	2.20	33	0.128	0.203	0.176	316	79.0	582	98.9
	0.048	2.92	33	0.199	0.285	0.254	579	145	1070	182

Live Load Factor = 1.4; Importance Factor = 0.75; Importance Category = 1.00

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (PSF)

SPAN LENGTH (ft)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (in.)				BASE STEEL THICKNESS (in.)				BASE STEEL THICKNESS (in.)			
		0.024	0.030	0.036	0.048	0.024	0.030	0.036	0.048	0.024	0.030	0.036	0.048
4.0	S	61	86	113	176	109	145	180	252	96	134	177	275
	D	182	249	319	461	436	597	766	1107	343	470	603	872
4.5	S	48	68	89	139	86	115	142	199	76	106	140	218
	D	128	175	224	324	306	419	538	778	241	330	423	613
5.0	S	39	55	72	113	70	93	115	161	61	86	113	176
	D	93	127	163	236	223	306	392	567	176	241	309	447
5.5	S	32	45	60	93	58	77	95	133	51	71	93	146
	D	70	96	123	178	168	230	294	426	132	181	232	335
6.0	S	27	38	50	78	49	64	80	112	43	59	79	122
	D	54	74	95	137	129	177	227	328	102	139	179	258
6.5	S	23	32	43	67	41	55	68	96	36	51	67	104
	D	42	58	74	108	102	139	178	258	80	110	140	203
7.0	S	20	28	37	58	36	47	59	82	31	44	58	90
	D	34	46	60	86	81	111	143	207	64	88	112	163
7.5	S	17	24	32	50	31	41	51	72	27	38	50	78
	D	28	38	48	70	66	91	116	168	52	71	91	132
8.0	S	15	21	28	44	27	36	45	63	24	33	44	69
	D	23	31	40	58	54	75	96	138	43	59	75	109
8.5	S	14	19	25	39	24	32	40	56	21	30	39	61
	D	19	26	33	48	45	62	80	115	36	49	63	91
9.0	S	12	17	22	35	22	29	35	50	19	26	35	54
	D	16	22	28	41	38	52	67	97				

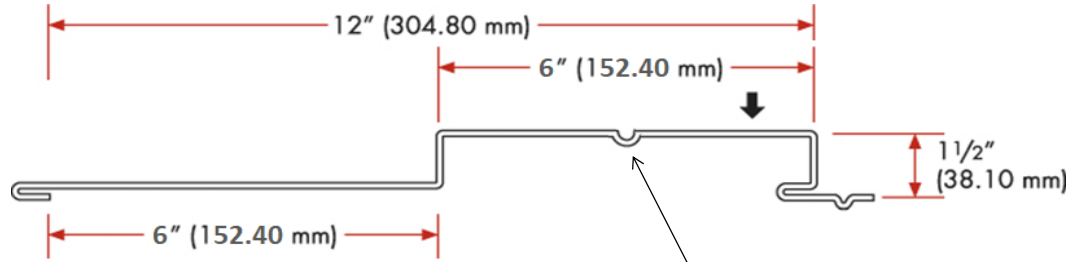
- NOTES:**
- 1 Based on ASTM A 653 Grade 33 structural steel.
 - 2 Values in row "S" are based on strength.
 - 3 Values in row "D" are based on deflection of 1/180th span.
 - 4 Web crippling not included in strength calculations. See Example.
 - 5 Limit States Design principles were used in accordance with CSA Standard S136-16.
 - 6 The load tables shown do not necessarily represent the product availability. Please refer to the product catalogue at duchesne.ca or one of Duchesne representatives.



DUCHESNE

Solidly Dependable®

LCD 6 SIDING



↓ Arrow indicates the colour side.

Groove optional

SECTION PROPERTIES (PER METRE OF WIDTH)

METRIC	Base Steel Thickness (mm)	Mass Z275 (kg/m ²)	Yield Stress (MPa)	Sec. Modulus		Deflection Moment of Inertia (x10 ⁶ mm ⁴)	Specified Web Crippling Data			
				Midspan	Support		P _{e1} End (kN)	P _{e2} End (kN)	P _{i1} Interior (kN)	P _{i2} Interior (kN)
				(x10 ³ mm ³)	(x10 ³ mm ³)					
	0.610	7.25	230	3.73	6.75	0.136	1.96	0.491	3.60	0.611
	0.762	8.99	230	5.20	8.82	0.187	3.16	0.790	5.81	0.988
	0.914	10.7	230	6.88	10.9	0.240	4.66	1.16	8.58	1.46
	1.22	14.2	230	10.7	15.3	0.347	8.54	2.13	15.8	2.68

Live Load Factor = 1.4; Importance Factor = 0.75; Importance Category = 1.00

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (kPa)

SPAN LENGTH (m)		1-SPAN				2-SPAN				3-SPAN			
		BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)				BASE STEEL THICKNESS (mm)			
		0.610	0.762	0.914	1.22	0.610	0.762	0.914	1.22	0.610	0.762	0.914	1.22
1.2	S	3.06	4.27	5.65	8.81	5.47	7.24	8.97	12.6	4.78	6.68	8.83	13.8
	D	9.12	12.5	16.0	23.2	21.9	30.0	38.4	55.6	17.2	23.6	30.3	43.8
1.4	S	2.25	3.14	4.15	6.47	4.02	5.32	6.59	9.26	3.51	4.91	6.48	10.1
	D	5.74	7.87	10.1	14.6	13.8	18.9	24.2	35.0	10.9	14.9	19.1	27.6
1.5	S	1.96	2.74	3.61	5.64	3.50	4.64	5.74	8.07	3.06	4.27	5.65	8.81
	D	4.67	6.40	8.20	11.9	11.2	15.4	19.7	28.5	8.82	12.1	15.5	22.4
1.6	S	1.72	2.40	3.18	4.95	3.07	4.07	5.05	7.09	2.69	3.76	4.96	7.74
	D	3.85	5.27	6.76	9.78	9.23	12.7	16.2	23.5	7.27	9.96	12.8	18.5
1.8	S	1.36	1.90	2.51	3.91	2.43	3.22	3.99	5.60	2.13	2.97	3.92	6.12
	D	2.70	3.70	4.75	6.87	6.48	8.88	11.4	16.5	5.11	7.00	8.97	13.0
2.0	S	1.10	1.54	2.03	3.17	1.97	2.61	3.23	4.54	1.72	2.40	3.18	4.95
	D	1.97	2.70	3.46	5.01	4.73	6.48	8.30	12.0	3.72	5.10	6.54	9.46
2.2	S	0.91	1.27	1.68	2.62	1.63	2.15	2.67	3.75	1.42	1.99	2.63	4.09
	D	1.48	2.03	2.60	3.76	3.55	4.87	6.24	9.03	2.80	3.83	4.91	7.11
2.4	S	0.77	1.07	1.41	2.20	1.37	1.81	2.24	3.15	1.20	1.67	2.21	3.44
	D	1.14	1.56	2.00	2.90	2.74	3.75	4.81	6.95	2.15	2.95	3.78	5.47
2.5	S	0.71	0.98	1.30	2.03	1.26	1.67	2.07	2.90	1.10	1.54	2.03	3.17
	D	1.01	1.38	1.77	2.56	2.42	3.32	4.25	6.15	1.91	2.61	3.35	4.84
2.6	S	0.65	0.91	1.20	1.88	1.16	1.54	1.91	2.68	1.02	1.42	1.88	2.93
	D	0.90	1.23	1.57	2.28	2.15	2.95	3.78	5.47	1.69	2.32	2.98	4.31
2.8	S	0.56	0.79	1.04	1.62	1.00	1.33	1.65	2.32	0.88	1.23	1.62	2.53
	D	0.72	0.98	1.26	1.82	1.72	2.36	3.03	4.38	1.36	1.86	2.38	3.45

- NOTES:**
- 1 Based on ASTM A 653M Grade 230 structural steel.
 - 2 Values in row "S" are based on strength.
 - 3 Values in row "D" are based on deflection of 1/180th span.
 - 4 Web crippling not included in strength calculations. See Example.
 - 5 Limit States Design principles were used in accordance with CSA Standard S136-16.
 - 6 The load tables shown do not necessarily represent the product availability. Please refer to the product catalogue at duchesne.ca or one of Duchesne representatives.