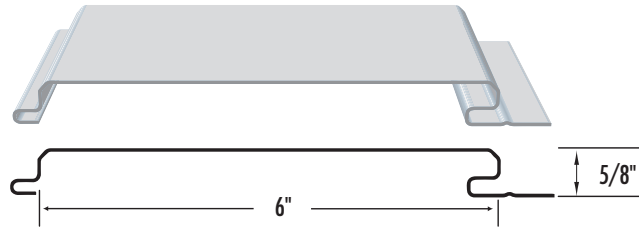




PROBOARD 6



C - Denotes Colored Side

All dimensions are in inches.

IMPERIAL	SECTION PROPERTIES (Per Foot of Width)									
	Base Steel Thickness (in)	Coated Steel Thickness (G90) (in)	Coated Weight (psf)	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)								
0.0240	0.0255	1.49	0.0431	0.0479	0.0186					
0.0300	0.0315	1.85	0.0556	0.0606	0.0242					

Live load factor = 1.40; Importance factor = 0.75; Normal Occupancy = 1.0

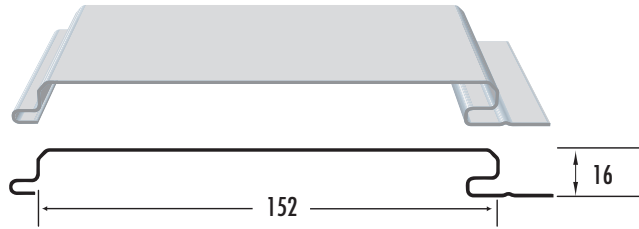
MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (psf)

SPAN LENGTH (ft)		1 - SPAN				2 - SPAN				3 - SPAN			
		BASE STEEL THICKNESS (inches)				BASE STEEL THICKNESS (inches)				BASE STEEL THICKNESS (inches)			
		0.0240	0.0300			0.0240	0.0300			0.0240	0.0300		
2.0	S	152	197			169	214			212	268		
	D	541	704			1287	1675			1022	1330		
2.5	S	98	126			108	137			135	171		
	D	277	360			659	858			523	681		
3.0	S	68	87			75	95			94	119		
	D	160	209			381	496			303	394		
3.5	S	50	64			55	70			69	87		
	D	101	131			240	313			191	248		
4.0	S	38	49			42	54			53	67		
	D	68	88			161	209			128	166		
4.5	S	30	39			33	42			42	53		
	D	47	62			113	147			90	117		
5.0	S	24	31			27	34			34	43		
	D	35	45			82	107			65	85		
5.5	S	20	26			22	28			28	35		
	D	26	34			62	81			49	64		
6.0	S	17	22			19	24			24	30		
	D	20	26			48	62			38	49		

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 SPAN/90.
- 4 Limit States Design principles were used in accordance with CSA Standard S136-16.
- 5 Prepared by Dr. R.M. Schuster, P. Eng. Distinguished Professor Emeritus, University of Waterloo.





C - Denotes Colored Side

All dimensions are in millimeters.

SECTION PROPERTIES (Per Metre of Width)

METRIC	Base Steel Thickness (mm)	Coated Steel Thickness (Z275) (mm)	Coated Mass (kg/m ²)	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	0.650	7.30	2.32	2.58	0.0254				
	0.762	0.802	9.06	2.99	3.26	0.0330				

Live load factor = 1.40; Importance factor = 0.75; Normal Occupancy = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (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			0.610	0.762			0.610	0.762		
0.6	S	7.61	9.82			8.46	10.7			10.6	13.4		
	D	27.2	35.3			65.2	84.8			51.3	66.8		
0.8	S	4.28	5.52			4.76	6.02			5.95	7.53		
	D	11.5	14.9			27.5	35.8			21.7	28.2		
1.0	S	2.74	3.54			3.05	3.85			3.81	4.82		
	D	5.87	7.63			14.1	18.3			11.1	14.4		
1.2	S	1.90	2.46			2.12	2.68			2.64	3.35		
	D	3.40	4.42			8.15	10.6			6.42	8.35		
1.4	S	1.40	1.80			1.55	1.97			1.94	2.46		
	D	2.14	2.78			5.13	6.68			4.04	5.26		
1.5	S	1.22	1.57			1.35	1.71			1.69	2.14		
	D	1.74	2.26			4.17	5.43			3.29	4.27		
1.6	S	1.07	1.38			1.19	1.51			1.49	1.88		
	D	1.43	1.86			3.44	4.47			2.71	3.52		
1.8	S	0.85	1.09			0.94	1.19			1.18	1.49		
	D	1.01	1.31			2.41	3.14			1.90	2.47		
2.0	S	0.69	0.88			0.76	0.96			0.95	1.20		
	D	0.73	0.95			1.76	2.29			1.39	1.80		

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 SPAN/90.
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