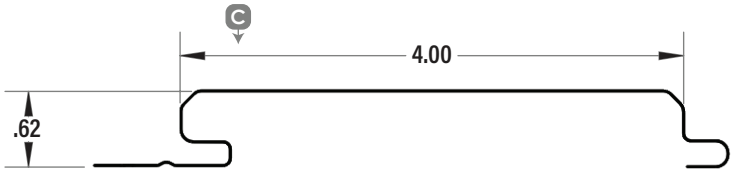
WF-PROBOARD 4 WALL



All dimensions are in inches

SECTION PROPERTIES (PER FOOT OF WIDTH)

	Base Steel Thickness (in.)	Weight G90 (psf)	Yield Stress (ksi)	Sec. Modulus Midspan (in^3)	Sec. Modulus Support (in^3)	Deflection Moment of Inertia (in^4)	Specified Web Crippling Data P_{e1} End (lb)	P_{e2} End (lb)	P_{i1} Interior (lb)	P_{i2} Interior (lb)
IMPERIAL	0.0240	1.72	33	0.0632	0.0695	0.0256				
	0.0300	2.14	33	0.0827	0.0878	0.0332				

Live load factor = 1.4; Importance factor = 0.75; Importance Category = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (PSF)

SPAN LENGTH (ft)		1-SPAN BASE STEEL THICKNESS (in.)					2-SPAN BASE STEEL THICKNESS (in.)					3-SPAN BASE STEEL THICKNESS (in.)				
		0.024	0.030				0.024	0.030				0.024	0.030			
2.0	S	223	292				246	310				307	388			
	D	744	965				1772	2298				1407	1825			
2.5	S	143	187				157	199				197	248			
	D	381	494				907	1176				720	934			
3.0	S	99	130				109	138				137	172			
	D	221	286				525	681				417	541			
3.5	S	73	95				80	101				100	127			
	D	139	180				331	429				263	340			
4.0	S	56	73				61	78				77	97			
	D	93	121				221	287				176	228			
4.5	S	44	58				49	61				61	77			
	D	65	85				156	202				124	160			
5.0	S	36	47				39	50				49	62			
	D	48	62				113	147				90	117			
5.5	S	30	39				32	41				41	51			
	D	36	46				85	110				68	88			
6.0	S	25	32				27	34				34	43			
	D	28	36				66	85				52	68			

Notes:

1. Based on ASTM A 653 structural steel. Coating can also be AZ50.
2. Values in row "S" are based on strength.
3. Values in row "D" are based on deflection of L/90.
4. For L/180, multiply values in row "D" by 0.50.
5. Limit States Design principles were used in accordance with CSA S136-16.
6. Prepared by Dr. R.M. Schuster, P. Eng., Distinguished Professor Emeritus, University of Waterloo.

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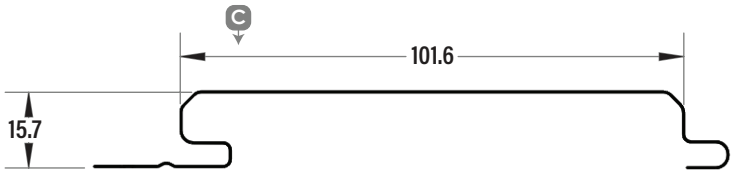

All dimensions are in millimeters

SECTION PROPERTIES (PER METRE OF WIDTH)

METRIC	Base Steel Thickness (mm)	Mass Z275 (kg/m^2)	Yield Stress (MPa)	Sec. Modulus Midspan ($x10^3$ mm^3)	Sec. Modulus Support ($x10^3$ mm^3)	Deflection Moment of Inertia ($x10^6 mm^4$)	Specified Web Crippling Data P_{e1} End (kN)	P_{e2} End (kN)	P_{i1} Interior (kN)	P_{i2} Interior (kN)
	0.610	8.41	230	3.40	3.74	0.0350				
	0.762	10.4	230	4.45	4.72	0.0453				

Live load factor = 1.4; Importance factor = 0.75; Importance Category = 1.0

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOADS (kPa)

SPAN LENGTH (mm)		1-SPAN BASE STEEL THICKNESS (mm)					2-SPAN BASE STEEL THICKNESS (mm)					3-SPAN BASE STEEL THICKNESS (mm)				
		0.610	0.762				0.610	0.762				0.610	0.762			
600	S	11.2	14.6				12.3	15.5				15.4	19.4			
	D	37.4	48.5				89.7	116.4				70.7	91.6			
800	S	6.28	8.22				6.91	8.72				8.63	10.9			
	D	15.8	20.5				37.9	49.1				29.8	38.7			
1000	S	4.02	5.26				4.42	5.58				5.53	6.98			
	D	8.07	10.5				19.4	25.1				15.3	19.8			
1200	S	2.79	3.65				3.07	3.88				3.84	4.85			
	D	4.67	6.06				11.2	14.5				8.8	11.5			
1400	S	2.05	2.68				2.26	2.85				2.82	3.56			
	D	2.94	3.82				7.06	9.16				5.56	7.21			
1500	S	1.79	2.34				1.96	2.48				2.46	3.10			
	D	2.39	3.10				5.74	7.45				4.52	5.86			
1600	S	1.57	2.05				1.73	2.18				2.16	2.73			
	D	1.97	2.56				4.73	6.14				3.73	4.83			
1800	S	1.24	1.62				1.36	1.72				1.71	2.15			
	D	1.38	1.80				3.32	4.31				2.62	3.39			
2000	S	1.00	1.31				1.11	1.40				1.38	1.74			
	D	1.01	1.31				2.42	3.14				1.91	2.47			

Notes:

1. Based on ASTM A 653M structural steel. Coating can also be AZM150.
2. Values in row "S" are based on strength.
3. Values in row "D" are based on deflection of L/90.
4. For L/180, multiply values in row "D" by 0.50.
5. Limit States Design principles were used in accordance with CSA S136-16.
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