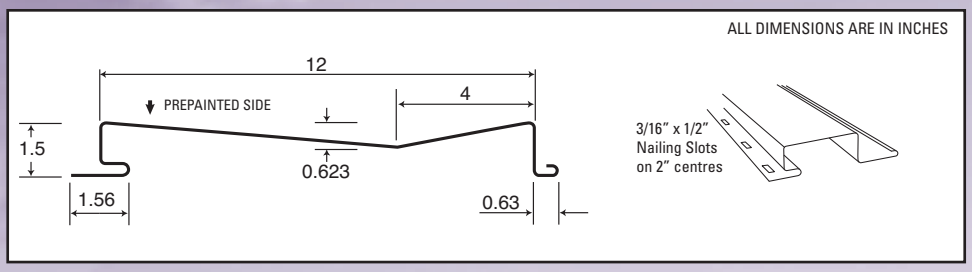


Section Properties

(Per Foot of Width)

Base Steel Thickness	Weight G90	Yield Stress	Section Modulus		Deflection Moment of Inertia	Specified Web Crippling Data (lb)			
			Mid Span	Support		End	End	Interior	Interior
(in.)	(psf)	(ksi)	(in^3)	(in^3)	Mid Span (in^4)	P_{e1}	P_{e2}	P_{i1}	P_{i2}
0.030	1.87	33	0.0903	0.132	0.0817	195	48.7	376	63.9
0.036	2.23	33	0.0120	0.158	0.106	287	71.8	553	94.0

Load Table

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

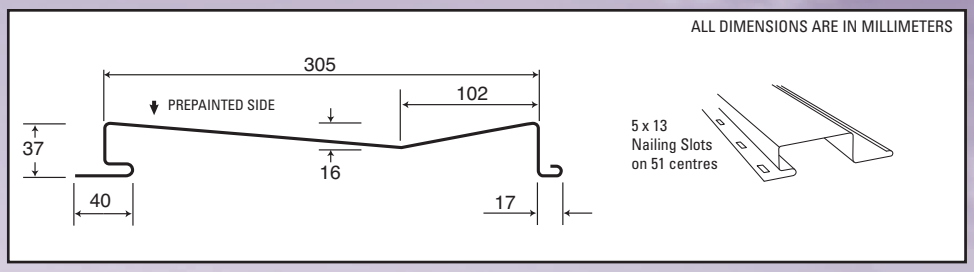
Maximum Specified Uniformly Distributed Loads in psf

Span		1-Span Base Steel Thickness (in.)					2-Span Base Steel Thickness (in.)					3-Span Base Steel Thickness (in.)				
(ft.)		0.030	0.036				0.030	0.036				0.030	0.036			
4'-0"	S	80	106				117	140				125	166			
	D	149	192				356	161				281	363			
4'-6"	S	63	84				92	110				99	131			
	D	104	135				250	324				197	255			
5'-0"	S	51	68				75	89				80	106			
	D	76	98				182	236				144	186			
5'-6"	S	42	56				62	74				66	88			
	D	57	74				137	177				108	140			
6'-0"	S	35	47				52	62				55	74			
	D	44	57				106	137				83	108			
6'-6"	S	30	40				44	53				47	63			
	D	35	45				83	107				65	85			
7'-0"	S	26	35				38	46				41	54			
	D	28	36				67	86				52	68			
7'-6"	S	23	30				33	40				35	47			
	D	23	29				54	70				43	55			
8'-0"	S	20	27				29	35				31	42			
	D	19	24				45	58				35	45			
8'-6"	S	18	24				26	31				28	37			
	D	15	20				37	48				29	38			
9'-0"	S	16	21				23	28				25	39			
	D	13	17				31	40				25	32			

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. Oil canning may be present due to various factors. Oil canning is not a valid reason for rejection of this product.
7. Contact the sales department for stocked colours and gauges.
8. 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.

HV-12 Wall Cladding



Section Properties

(Per Metre of Width)

Base Steel Thickness	Mass Z275	Yield Stress	Section Modulus		Deflection Moment of Inertia	Specified Web Crippling Data (kN)			
			Mid Span	Support		End	End	Interior	Interior
(mm)	(kg/m^2)	(MPa)	($x10^3 mm^3$)	($x10^3 mm^3$)	Mid Span ($x10^6 mm^4$)	P_{e1}	P_{e2}	P_{i1}	P_{i2}
0.762	8.85	230	4.84	7.10	0.111	2.87	0.718	5.55	0.943
0.914	10.6	230	6.45	8.50	0.144	4.24	1.06	8.16	1.39

Load Table

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

Maximum Specified Uniformly Distributed Loads in kPa

Span		1-Span Base Steel Thickness (mm)					2-Span Base Steel Thickness (mm)					3-Span Base Steel Thickness (mm)				
(mm)		0.762	0.914				0.762	0.914				0.762	0.914			
1200	S	3.97	5.30				5.83	6.98				6.21	8.28			
	D	7.44	9.62				17.9	23.1				14.1	18.2			
1400	S	2.92	3.89				4.28	5.13				4.56	6.08			
	D	4.69	6.06				11.3	14.5				8.86	11.5			
1500	S	2.54	3.39				3.73	4.47				3.97	5.30			
	D	3.81	4.93				9.14	11.8				7.20	9.31			
1600	S	2.24	2.98				3.28	3.93				3.49	4.66			
	D	3.14	4.06				7.53	9.74				5.93	7.67			
1800	S	1.77	2.36				2.59	3.10				2.76	3.68			
	D	2.20	2.85				5.29	6.84				4.17	5.39			
2000	S	1.43	1.91				2.10	2.51				2.24	2.98			
	D	1.61	2.08				3.86	4.99				3.04	3.93			
2200	S	1.18	1.58				1.74	2.08				1.85	2.46			
	D	1.21	1.56				2.90	3.75				2.28	2.95			
2400	S	0.99	1.33				1.46	1.75				1.55	2.07			
	D	0.93	1.20				2.23	2.89				1.76	2.27			
2500	S	0.92	1.22				1.34	1.61				1.43	1.91			
	D	0.82	1.06				1.98	2.55				1.56	2.01			
2600	S	0.85	1.13				1.24	1.49				1.32	1.76			
	D	0.73	0.95				1.76	2.27				1.38	1.79			
2800	S	0.73	0.97				1.07	1.28				1.14	1.52			
	D	0.59	0.76				1.41	1.82				1.11	1.48			

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.
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