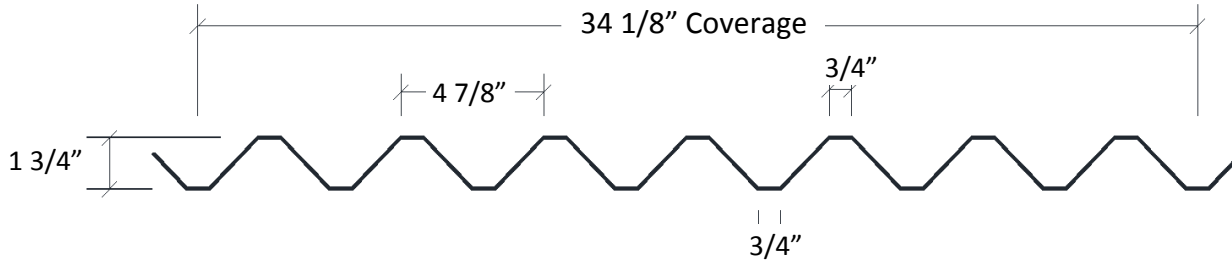


CLASSIC V-BEAM PROFILE

TECHNICAL REFERENCE



PRODUCT OVERVIEW

- Architectural or Structural application
- Finishes: ProFinish 500 (PVDF) Colors & Acrylic Coated Galvalume®
- Available gauges: 24 ga. standard, 20 & 22 ga. optional
- Available in .040 Aluminum or 16 & 20 oz. Copper & Zinc
- Open framing and solid substrate
- Maximum panel length 20'-6"
- Applied over Solid Substrate with proper underlayment or open framing
- Perforated panels for wind screens and liner panels

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		Section Properties						Allowable Loads - PSF														
Panel Ga.	Fy KSI	Thickness In.	Ma IN-KIPS/FT Top/Bot	IxiN ⁴	SxiN ³	IxiN ⁴	SxiN ³	Simple Span					Two Span					3 or More Span				
				Panel Top in Compression		Panel Bottom in Compression		4-0	6-0	8-0	10-0	12-0	4-0	6-0	8-0	10-0	12-0	4-0	6-0	8-0	10-0	12-0
24	50	.0245	5.19 / 4.96	0.1516	0.1732	0.1527	0.1657	211	62	26	13	-	207	92	52	32	19	241	107	53	27	16
22	50	.031	6.64 / 6.26	0.1930	0.2218	0.1932	0.2090	268	79	34	17	0-0	261	116	65	41	24	304	135	67	34	20
20	50	.0365	7.87 / 7.34	0.2274	0.2629	0.2275	0.2453	316	94	39	20	12	306	136	77	49	28	357	159	79	40	23

1. Theoretical section properties have been calculated per AISI 2001 "Specification for the Design of Cold - formed Steel Structural Members." 1xx & Sxx are effective section properties for deflection ratio & bending
2. Allowable load is calculated in accordance with AISI 2001 specifications considering bending, shear, combined bending, shear & deflection & applicable testing when available. Allowable load considers the worst case of 3 & 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection & panel weight is not considered.
3. Deflection consideration is limited by maximum deflection ratio of L/180 of span
4. Allowable loads do not include a 1/3 stress increase in uplift.

Air Infiltration: Resistance to air infiltration; 0.05cfm per lineal ft. of joint when tested in accordance with ASTM E-283
Water Infiltration: Resistance to water infiltration, no leakage through panel joints in accordance with ASTM E 331