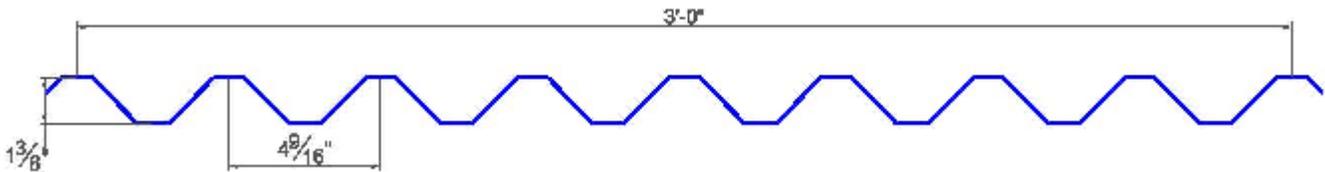




Alaska's Largest Manufacturer of Commercial and Residential Steel Building Components

## V-Rib - Panel



V-Rib is a favorite of architects to add bold texture to a project. On wall applications V-Rib can be ran vertical or horizontal providing a multitude of designer looks. A standard for industrial roof applications the deep continuous corrugation of this panel let it span great distances, making it an economical choice as well.

Load Table	Allowable snow/wind loads (lbs/ft <sup>2</sup> )				
	2'	3'	4'	5'	6'
26ga-1 span	549	242	139	89	60
26ga-2 span	439	298	125	80	58
26ga-3 span	515	256	125	101	72
24ga-1 span	649	292	164	103	73
24ga-2 span	601	278	156	100	72
24ga-3 span	728	340	196	125	73
22ga-1 span	829	370	206	132	90
22ga-2 span	802	365	206	130	91
22ga-3 span	965	451	254	165	115

Gauge: 26

Weight: 3.10 lb./LF

Gauge: 24

Weight: 4.05 lb./LF

Gauge: 22

Weight: 5.05 lb./LF

Steel Yield Stress: 50,000 psi

G-90, AZ-50, Weathering Steel

1 ½" Bearing Length

Load Span Tables Based on Working Stress.

Flexural Design analysis according to AISI "Specification for the Design of Light Gauge Cold-Formed Steel Structural Members" May 2001.

Continuous Span Loading applies to sheets continuous over three or more spans. Weight of sheet has not been allowed for when calculating live load and uplift. Deflection (L/180)

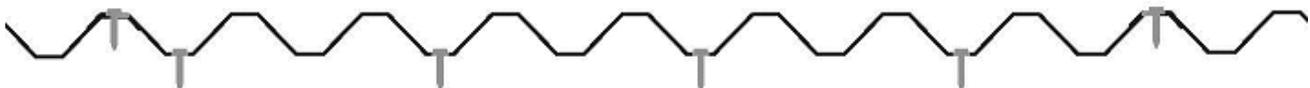
limiting live load based on deflection of span.

Metal thickness based on minimum ASTM specifications for allowable load calculations.

Note: The load tables have been compiled for the design of steel roofing and siding used in conjunction with either wood or steel framed structures. ALL STEEL INC. assumes no responsibility, either expressed or implied, for its use.

All gauges conform to ASTM A446 (50,000 min. yield) unless otherwise designated at time of order.

### Screw pattern for roof and wall application



## FASTENING

Screw fasteners have been proved to have two to three times the holding power of nails. Screws should have a minimum penetration of 5/8" into wood. Generally, 1" screw fasteners are placed in the flat area of the panel at 24" on-center along the length of the panel, and next to each rib approximately 1/2" from the rib. If purlins are placed over 24" apart, stitching screws are recommended on the lapping rib between purlins.

### Nails are not recommended!

The use of nails to fasten panels is NOT recommended and will void any warranty.

Fastener #	Description	Use
	 No. 9 x 1", 1-1/2", 2", 2-1/2", 3" Wood Screw 1/4" Hex Head	Panel to dimensional lumber
	 No. 14 x 1", 1 1/2" Wood Screw 5/16" Hex Head	Panel to plywood min. 1/2" thick.
	 No. 12 x 3/4" Stitch Screw 1/4" Hex Head (compatible with No. 9 Wood Screw)	Trim and side lap attachments.
	 No. 14 x 7/8" Lap Self Driller 5/16" Hex Head (compatible with No. 14 Wood Screw)	Trim and side lap attachments.
	 STST-42 Stainless Steel Rivet 1/8 x 1/8	Trim-to-trim or trim-to-panel attachments.
	 No. 12 x 1", 1 1/2", 2", 2 1/2" Self Driller 5/16" Hex Head	Panel to purlin or deck attachments

DO NOT OVERDRIVE the fastener so as to dimple or distort the panel. Washers should be in firm contact with the panel.



Use only fasteners with washers designed for roofing and siding applications. Fasten the outside edge first, then the center. This will prevent spreading or creeping of the panels.

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