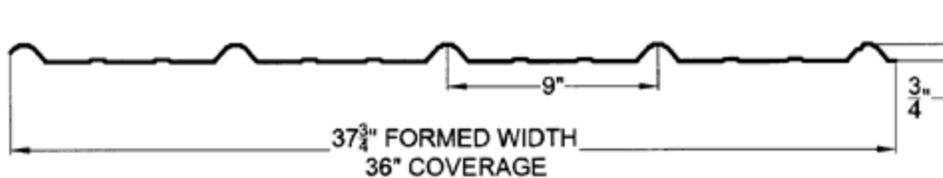




Alaska's Largest Manufacturer of Commercial and Residential Steel Building Components

## 5 Rib - Panel



- All Steel's 5 Rib is an exposed fastener steel roofing/siding panel.
- The most commonly selected panel for residential and light commercial cladding.
- Different from most exposed fastener panels 5 Rib has an anti-siphon groove in the under lapping rib, that helps reduce the chances of water finding its way through the side laps of the a joining panels.
- Our panels are finished with a high-performance silicone-modified polyester paint system on an AZ50 substrate. This cutting edge resin technology offers unbeatable durability, superior color retention and resistance to dirt accumulation, ensuring low maintenance, lasting beauty and outstanding value. 29 standard colors available, plus clear acrylic over AZ50.
- Typically produced from 29ga. steel, also can be produced in 26ga. using most of the same color pallet as 29ga.

## MATERIAL SPECIFICATIONS

Gauge: 29

Weight: 1.98 lb. /LF

Gauge: 26

Weight: 2.65 lb. /LF

Steel Yield Stress: 80,000 psi

Galvanized Steel Gauge, AZ-50

Paint System: Baked-on Silicone Modified Polyester Gauging System: All Steel Inc. follows the national A.I.S.I. (American Iron and Steel Institute) specifications manual for tolerances in galvanized sheet metal.

All gauges conform to ASTM A446 Grade E (80,000 min. yield) unless otherwise designated at time of order

## LOAD TABLES

Gauge	Span Type	Positive Uniform Load Capacity (lb/ft <sup>2</sup> )			
		16"	2'-0"	3'-0"	4'-0"
29ga.	Single	199	88	39	22
	Double	199	88	39	22
	Cont.	243	110	49	27
26ga.	Single	264	117	52	29
	Double	248	111	50	28
	Cont.	307	89	61	34

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 1981. 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.

ASD method was used to populate . Metal thickness based on minimum ASTM specifications for allowable load calculations. Loads may be increased by 1/3 for wind loads

**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.

**Note:** If panels are to be cut, or pre-drilled, be certain to wipe free any metal chips that have accumulated on the panel.

Wall Screw Application: Fasteners to be applied along the side of every rib and attached to each girt. Please note that it is the responsibility of the builder to insure girts are adequately spaced to meet specific engineering requirements

# 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

1974 Livengood Ave  
Fairbanks, AK 99701  
&  
690 S. Dandelion Cir.  
Wasilla, AK 99654  
907-479-6002  
allsteel.info@gmail.com  
www.stealsthedeal.com