

FLATiRON STEEL

3' TUF RIB



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MATERIAL SPECIFICATIONS



LOAD TABLES

SPAN in feet	Live Load (Strength)				Uplift Load (Internal Pressure)			
	2'	3'	4'	5'	2'	3'	4'	5'
29 Gauge Simple Span	113	45	19	10	113	59	33	21
29 Gauge Continuous Span	119	69	36	18	119	74	42	27

- 1 1/2" 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 3 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
- Loads may be increased by 1/3 for wind loads

Wind Speed	Live Loads (lbs./Sq. Ft.)
70 mph	12.6
80 mph	16.4
90 mph	20.8
100 mph	25.6
110 mph	31.0
120 mph	36.9
130 mph	43.3

Areas of discontinuity are subject to higher spikes in wind pressure, therefore a different coefficient in wind pressure will need to be considered and multiplied by a factor of 1.5

Data from: 1994 UBC Table 16-F

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. Flatiron Steel assumes no responsibility, either expressed or implied, for its use.

Simple Span – gives load specifications on a single length panel fastened (as illustrated above) at either end of the panel (essentially free spanning the length in question).

Continuous Span – gives load specifications on a single panel with at least 3 additional fastenings (as illustrated above) between either end of the panel's. Load limits are given in Lbs. Per Sq. ft.

Gauge: 29, 26

Weight: 1.98 lb. /LF, 2.67lb/LF
Steel Yield Stress: 80,000 psi
Galvalume Steel Gauge, AZ-50

Paint System: Stormshield Xt-40, Certified Cool, Energy Star® Rated, Silicone Modified Polyester

Warranty: 40 Years

Available Material Type: Painted, Galvalume®

Gauging System: Flatiron Steel 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 A792 and ASTM A653 Grade E (80,000 min. yield)/ or Grade D (50,000 min. yield) unless otherwise designated at time of order.

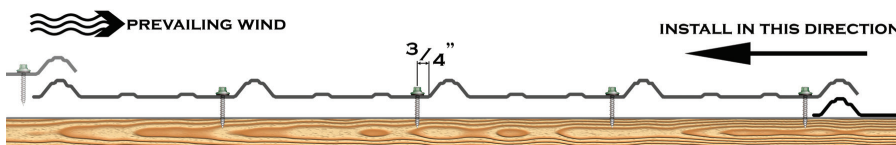
APPLICATION DETAILS

Minimum Slope Requirement: 3:12

Screw Application: #10 Wood grip fasteners are designed for use with dimensional lumber, #14 Wood grip fasteners are designed for use with plywood sheathing, OSB, and wafer wood (7/16" minimum thickness). #12 Tek screws are designed to be used with structural steel up to 3/16" in thickness.

Roof Application: Fasteners to be applied along side every rib and attached to each purlin, 2' on center. Please note that it is the responsibility of the builder to ensure that purlins are adequately spaced to meet specific engineering requirements.

Flatiron Steel is neither partially nor solely responsible for improper installation or defects as a result of installation.



SCREW FASTENING - EAVES & END LAPS

