

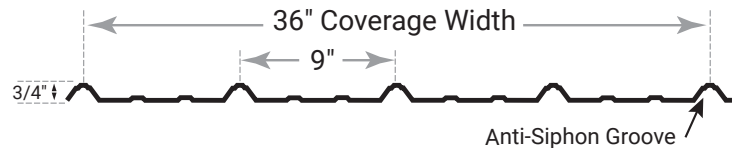
3' TUF RIB



The 3' Tuf Rib panel is Flatiron Steel's most economical metal roofing system. When produced in 29 gauge, with Flatiron Steel's Sherwin Williams Weather XL 40-year paint system, this roofing system is similarly priced to most 30 year impact resistant shingle roofing systems. With clean traditional lines, this panel profile delivers all the qualities that a metal roof can offer at an affordable price.

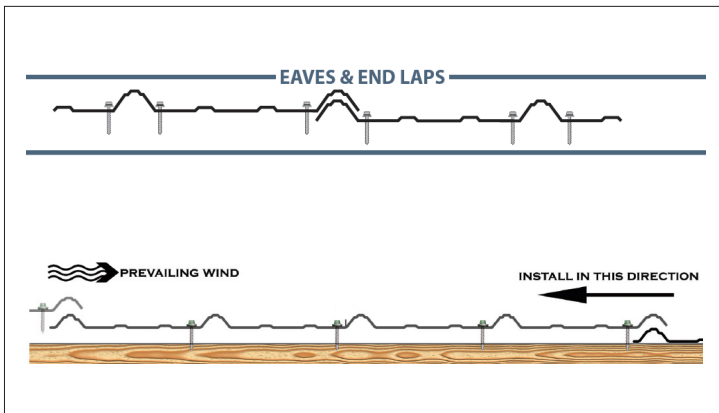
3' Tuf Rib orders are produced within 3 days and can be picked up at either one of our locations at your convenience or delivered (additional cost apply).

MATERIAL SPECIFICATIONS



3' TUF RIB			
Minimum Slope Requirement	3:12	Paint System	Weather XL-SMP
		Warranty	- Sherwin Williams - WeatherXL – 40 Years - Galvalume – 25 years
Gauges	29, 26	Testing	 - UL 580 Wind Uplift (Class 90) - UL 2218 Class 4 Hail Impact - UL 790 Class A Fire Rating
Weight	1.98lbs/LnFt (29) 2.67lbs/LnFt (26)		

SCREW PATTERNS



APPLICATION DETAILS

Fastener Guide

- #10 Woodfast screws are designed for use with dimensional lumber.
- #14 Wafer screws 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.

Fastener Application

Screws are to be applied next to every rib and then up the panel, no more than 2'0". On low slope roofs, Mastic Tape must be applied between the panel side laps with Stitch Screws installed every 1'0" up the panel. ****At the eave or end laps, a double screw pattern should be used with screws applied to both sides of the ribs****

Please Note: It is the responsibility of the builder to ensure that purlins are adequately spaced to meet specic engineering requirements.



****Flatiron Steel is neither partially or soley responsible for improper installation or defects as a result of installation****

NORTHERN COLORADO

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(970) 284-6306

SOUTHERN COLORADO

7885 Red Granite Loop, Colorado Springs, CO 80939
(719) 591-1114

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LOAD TABLES

Refer to Trim Pamphlet for Material Availability

29 Gauge Thickness								
SPAN TYPE	LOAD TYPE	2.0 ft	2.5 ft	3.0 ft	3.5 ft	4 ft	4.5 ft	5 ft
1-span	NEGATIVE WIND LOAD	76.55	48.99	34.02	25	19.14	15.12	12.25
	LIVE LOAD/DEFLECTION - L/60	99.36	63.59	44.16	32.45	24.84	19.63	15.9
	LIVE LOAD/DEFLECTION - L/180	86.19	44.13	25.54	16.08	10.77	7.57	5.52
	LIVE LOAD/DEFLECTION - L/240	64.64	33.1	19.15	12.06	8.08	5.67	4.14
2-span	NEGATIVE WIND LOAD	93.95	61.31	43.04	31.84	24.48	19.4	15.75
	LIVE LOAD/DEFLECTION - L/60	73.99	47.92	33.5	24.71	18.97	15.02	12.18
	LIVE LOAD/DEFLECTION - L/180	73.99	47.92	33.5	24.71	18.97	15.02	12.18
	LIVE LOAD/DEFLECTION - L/240	73.99	47.92	33.5	24.71	18.97	14.32	10.44
3-span	NEGATIVE WIND LOAD	114.79	75.48	53.16	39.06	29.9	23.63	19.14
	LIVE LOAD/DEFLECTION - L/60	86.59	59.35	41.6	30.74	23.62	18.71	15.19
	LIVE LOAD/DEFLECTION - L/180	86.59	59.35	41.6	30.74	21	14.75	10.75
	LIVE LOAD/DEFLECTION - L/240	86.59	59.35	37.34	23.51	15.75	11.06	8.07
4-span	NEGATIVE WIND LOAD	107.99	70.82	49.86	36.95	28.44	22.56	18.33
	LIVE LOAD/DEFLECTION - L/60	83.35	55.57	38.92	28.74	22.08	17.49	14.19
	LIVE LOAD/DEFLECTION - L/180	83.35	55.57	38.92	28.74	22.08	15.73	11.47
	LIVE LOAD/DEFLECTION - L/240	83.35	55.57	38.92	25.07	16.8	11.8	8.6

26 Gauge Thickness								
SPAN TYPE	LOAD TYPE	2.0 ft	2.5 ft	3.0 ft	3.5 ft	4 ft	4.5 ft	5 ft
1-span	NEGATIVE WIND LOAD	110.6	70.79	49.16	36.12	27.65	21.85	17.7
	LIVE LOAD/DEFLECTION - L/60	142.3	91.07	63.24	46.46	35.57	28.11	22.77
	LIVE LOAD/DEFLECTION - L/180	120.15	61.52	35.6	22.42	15.02	10.55	7.69
	LIVE LOAD/DEFLECTION - L/240	90.11	46.14	26.7	16.81	11.26	7.91	5.77
2-span	NEGATIVE WIND LOAD	133.88	87.51	61.5	45.51	35.01	27.76	22.54
	LIVE LOAD/DEFLECTION - L/60	106.51	69.08	48.32	35.66	27.38	21.68	17.59
	LIVE LOAD/DEFLECTION - L/180	106.51	69.08	48.32	35.66	27.38	21.68	17.59
	LIVE LOAD/DEFLECTION - L/240	106.51	69.08	48.32	35.66	27.38	19.84	14.46
3-span	NEGATIVE WIND LOAD	163.28	107.59	75.97	56.39	43.2	34.14	27.65
	LIVE LOAD/DEFLECTION - L/60	131.06	85.45	59.96	44.34	34.09	27.01	21.92
	LIVE LOAD/DEFLECTION - L/180	131.06	85.45	59.96	43.78	29.33	20.6	15.02
	LIVE LOAD/DEFLECTION - L/240	131.06	85.45	52.14	32.83	22	15.45	11.26
4-span	NEGATIVE WIND LOAD	153.71	101	71.2	52.79	40.67	32.27	26.22
	LIVE LOAD/DEFLECTION - L/60	123	80.05	56.11	41.46	31.86	25.24	20.48
	LIVE LOAD/DEFLECTION - L/180	123	80.05	56.11	41.46	31.2	21.91	15.98
	LIVE LOAD/DEFLECTION - L/240	123	80.05	55.47	34.93	23.4	16.44	11.98

Notes

1. Strength Calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
2. Allowable loads are applicable for uniform loading and spans without overhangs.
3. LIVE LOAD/DEFLECTION load capacities are for those loads that push the panel against its support. The applicable limit states are flexure, shear, combined shear and flexure, web crippling at end and interior supports, and a deflection limit of L/180 under strength-level loads.
4. NEGATIVE WIND LOAD capacities are for those loads that pull the panel away from its supports. The applicable limit states are flexure, shear, combined shear and flexure, and a deflection limit of L/60 under 10-year wind loading.
5. Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
6. Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
7. The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
8. This material is subject to change without notice please contact Teton Steel for most current data.

The Engineering data contained herein is for the expressed use of customers and design professionals. Along with this data, it is recommended that the design professional have a copy of the most current version of the **North American Specification for the Design of Cold-Formed Steel Structural Members** published by the American Iron and Steel Institute to facilitate design. The Specification contains the design criteria for cold formed steel components. Along with the Specification, the designer should reference the most current building code applicable to the project jobsite in order to determine environmental loads. If further information or guidance regarding cold-formed design practices is desired, please contact the manufacturer.