



| Idaho Falls, ID



| PBR PANEL

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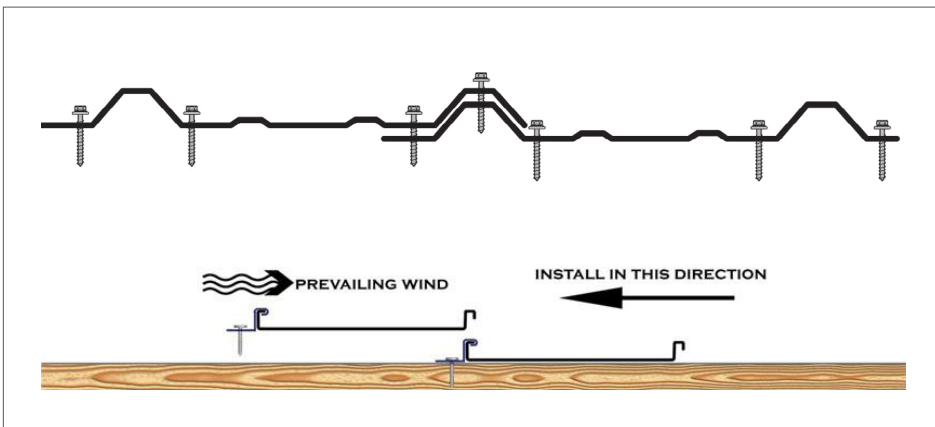
PBR PANEL

MATERIAL SPECIFICATIONS



SIZE	1 1/4"
Gauges	24, 26
Weight	2.67lbs/LnFt (26), 3.58lbs/LnFt (24)
Paint System	Storm Shield™, Ceranamel™XT- 40S, Certified Cool, Energy Star® Rated, Silicone Modified Polyester
Warranty	Ceranamel™XT-40S – 40 Years Galvalume – 20 years
Available Material Types	Painted & Galvalume
Testing	 <ul style="list-style-type: none"> • UL 580 Wind Uplift (Class 90) • UL 2218 Class 4 Hail Impact • UL 790 Class A Fire Rating

APPLICATION DETAILS



Fastener Application:

Screws are to be applied next to every rib and then up the panel, no more than 5'0". 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 rib.*

Fastener Guide

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

#14 Wafer screws are designed for use with plywood sheeting, 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.

Minimum Slope Requirement: 3:12
0.5:12 with Mastic Tape and Stitch Screws installed 1'0" up the panel at all overlaps



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



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LOAD TABLES

Refer to Trim Pamphlet for Material Availability

26 GAUGE (0.0181") Fy = 60 ksi, Fu = 61.5 ksi

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	126.37	71.08	45.49	31.59	23.21	17.77	14.04
	LIVE LOAD/DEFLECTION	125.69	70.7	38.51	22.28	14.03	9.4	6.6
2-span	NEGATIVE WIND LOAD	120.59	69.04	44.56	31.09	22.91	17.57	13.9
	LIVE LOAD/DEFLECTION	117.33	69.4	44.8	31.25	23.03	17.66	13.97
3-span	NEGATIVE WIND LOAD	148.17	85.44	55.34	38.68	28.53	21.9	17.34
	LIVE LOAD/DEFLECTION	133.33	85.87	55.62	38.89	28.68	19.34	13.58
4-span	NEGATIVE WIND LOAD	139.13	80.03	51.77	36.16	26.66	20.46	16.19
	LIVE LOAD/DEFLECTION	128.33	80.43	52.04	36.35	26.81	20.57	14.45

24 GAUGE (0.0223") Fy = 50 ksi, Fu = 60 ksi

SPAN TYPE	LOAD TYPE	SPAN IN FEET						
		3.0	4.0	5.0	6.0	7.0	8.0	9.0
1-span	NEGATIVE WIND LOAD	133.48	75.08	48.05	33.37	24.52	18.77	14.83
	LIVE LOAD/DEFLECTION	119.08	52.22	26.74	15.47	9.74	6.53	4.58
2-span	NEGATIVE WIND LOAD	114.41	66.59	43.33	30.37	22.44	17.24	13.66
	LIVE LOAD/DEFLECTION	105.6	71.09	46.37	32.55	24.07	18.51	13.88
3-span	NEGATIVE WIND LOAD	138.49	81.62	53.46	37.61	27.86	21.44	17
	LIVE LOAD/DEFLECTION	120	86.91	57.11	34.86	21.95	14.71	10.33
4-span	NEGATIVE WIND LOAD	130.7	76.7	50.12	35.22	26.06	20.05	15.89
	LIVE LOAD/DEFLECTION	115.5	81.75	53.58	37.71	23.77	15.93	11.18

- Strength Calculations based on the 2012 AISI Standard "North American Specification for the Design of Cold-formed Steel Structural Members."
- Allowable loads are applicable for uniform loading and spans without overhangs.
- 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.
- 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.
- Panel pullover and Screw pullout capacity must be checked separately using the screws employed for each particular application when utilizing this load chart.
- Effective yield strength has been determined in accordance with section A2.3.2 of the 2012 NAS specification.
- The use of any accessories other than those provided by the manufacturer may damage panels, void all warranties and will void all engineering data.
- 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.

