EPIC STEEL

PBR PANEL

6574 Hwy 10 West | Missoula, MT | 406.542.1711

PBR PANEL

MATERIAL SPECIFICATIONS

Gauge: 26

Weight: 2.67 lb. /LF

Steel Yield Stress: 80,000 psi Galvalume Steel Gauge, AZ-50

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

Warranty: 40 Years

Available Material Type: Painted, Galvalume®

Gauging System: Epic 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.

*4-6 Week Lead Time - Refer to Color Chart for Color Availability

LOAD TABLES

	Live Load (Strength)				Uplift Load (Internal Pressure)			
SPAN in feet	3'	4'	5'	6'	3'	4'	5'	6'
26 Gauge Simple Span	118	60	31	18	190	107	68	47
26 Gauge Continuous Span	167	94	58	33	183	103	66	46

- 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 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 ⅓ 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. EPIC 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 fastening's (as illustrated above) between either end of the panel's. Load limits are given in Lbs. Per Sq. ft.

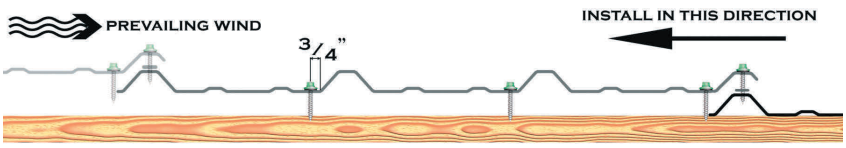
APPLICATION DETAILS

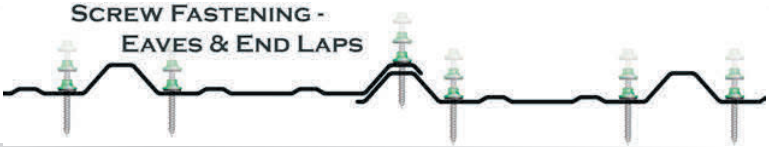
Minimum Slope Requirement: 11/2:12

Screw Application: #10 Wood grip fasteners are designed for use with dimensional lumber, #14 Wood grip fasteners 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.

Roof Application: Fasteners to be applied along side every rib and attached to each purlin, 2' to 5' on center. Please note that it is the responsibility of the builder to ensure that purlins are adequately spaced to meet specific engineering requirements.

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

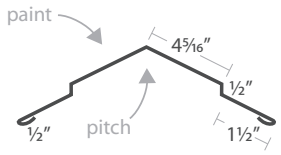




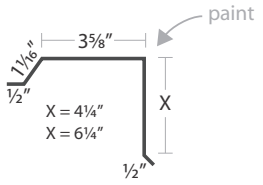
PBR PANEL
STANDARD TRIM

26 GA.
(10'1" / Stick)

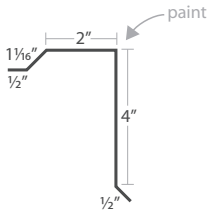
Standard Ridge Cap



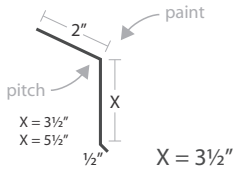
Gable



Mini Gable

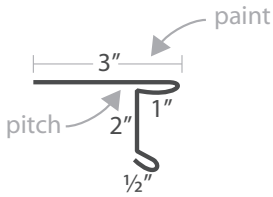


Eave

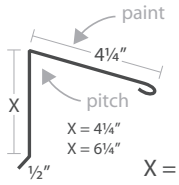


X = 3½"
X = 5½"

Style-D Eave

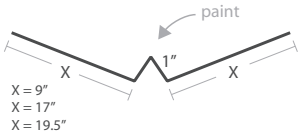


High Eave



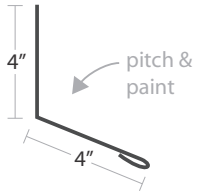
X = 4¾"
X = 6¾"

W-Valley

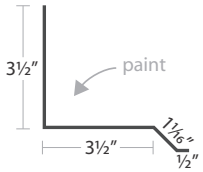


X = 9¾" / X = 15⅛" / X = 20½"

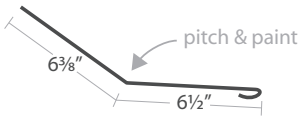
Endwall



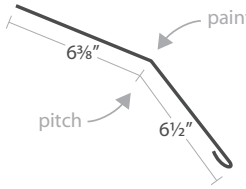
Sidewall



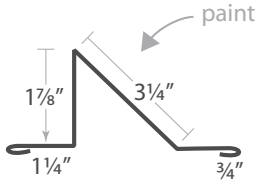
Lower Transition



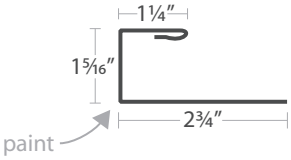
Upper Transition



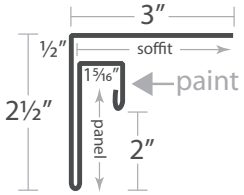
Snow Stop



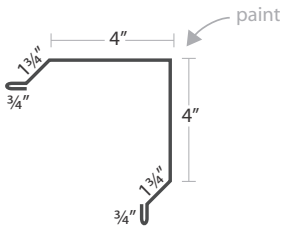
1¼" J-Metal



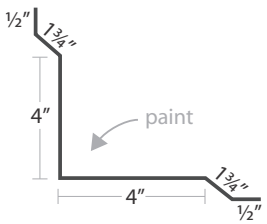
F+J ½" x 1¼"



Outside Corner

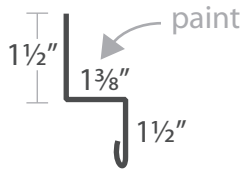


Inside Corner

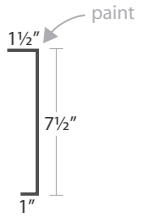


PBR PANEL
STANDARD TRIM

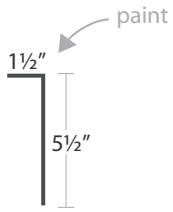
Wainscot



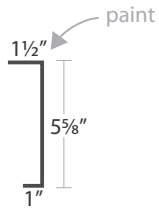
Standard Door Jamb



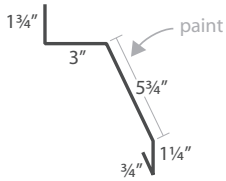
Open Jamb



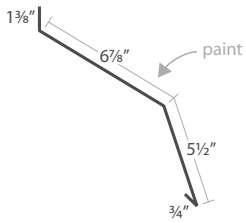
Mini Door Jamb



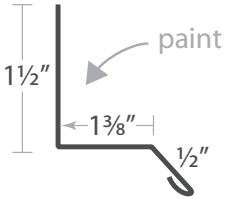
Single Track Cover



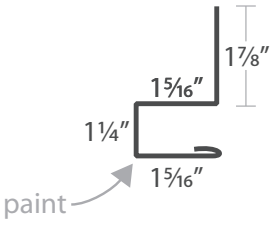
Double Track Cover



L-Base / Drip Cap



Square Base



Angle Base