



| Idaho Falls, ID



| 2 ½" Corrugated

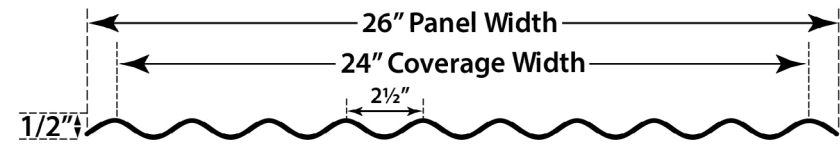
TETONSTEELIDAHO.COM





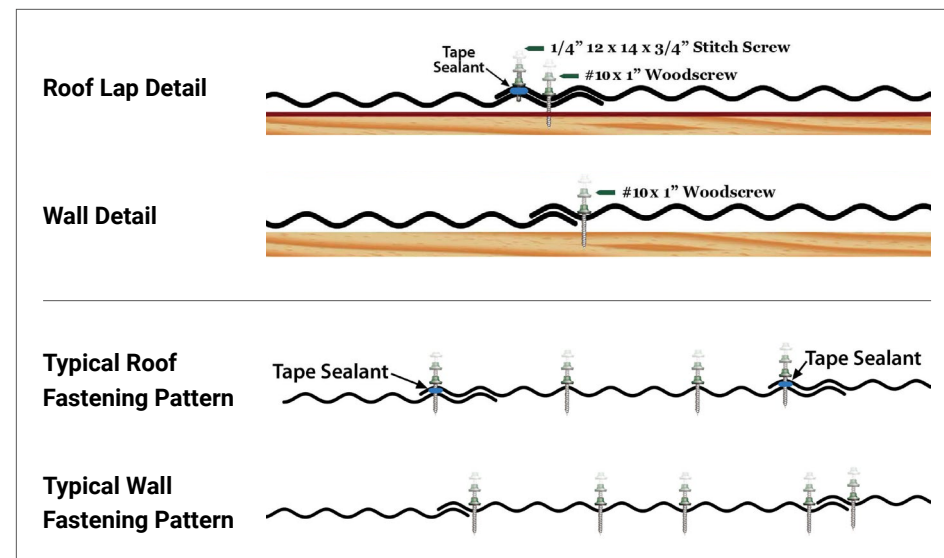
2 1/2" Corrugated

MATERIAL SPECIFICATIONS



SIZE	2 1/2"
Gauges	28
Weight	1.5 lb. /LF Steel Yield Stress: 50,000 psi Galvalume Steel Gauge, AZ-50
Paint System	Stormshield Xt-40, Energy Star® Rated, Silicone Modified Polyester
Warranty	40 Years
Available Material Types	Painted & Galvalume
Gauging System	Teton Steel follows the national A.I.S.I. (American Iron and Steel Institute) specifications manual for tolerances in galvanized sheet metal. <i>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.</i>

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 at the top of the corrugation, every third ridge, and attached to each purlin, 2' on center (note: lap screws may also be needed. Refer to roof fastening pattern for details). Please note that it is the responsibility of the builder to ensure that purlins are adequately spaced to meet specific engineering requirements. Teton Steel is neither partially nor solely responsible for improper installation or defects as a result of installation.



2 1/2" Corrugated

LOAD TABLES

Refer to Trim Pamphlet for Material Availability

ALLOWABLE LOADS-PSF														
SIMPLE SPAN					TWO SPAN					3 OR MORE SPAN				
2-0	3-0	4-0	5-0	6-0	2-0	3-0	4-0	5-0	6-0	2-0	3-0	4-0	5-0	6-0
107/60	47/18	27/8	17/4	12/2	104	46/43	26/16	17/9	12/5	120	54/36	30/15	19/9	13/4
121/69	54/20	30/9	19/4	13/3	118	52/49	29/21	19/11	13/6	137	61/41	34/17	22/9	15/5
214/124	95/37	54/16	34/8	24/5	208	93/9	52/37	33/19	23/11	243	108/74	61/31	39/15	27/9
328/197	146/56	82/25	53/13	37/7	320	142/141	80/59	51/30	36/15	374	166/117	93/49	60/25	42/19

- 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.

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.

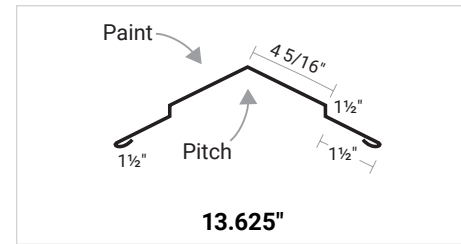
Data from: 1994 UBC Table 16-F

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

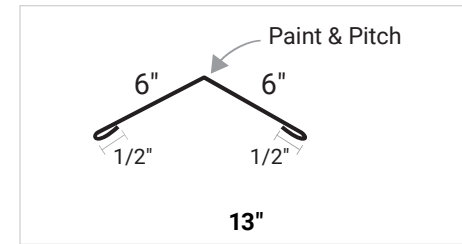


Standard Trims

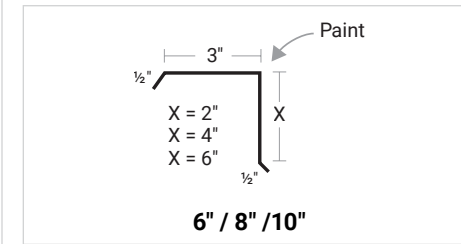
Standard Ridge Cap



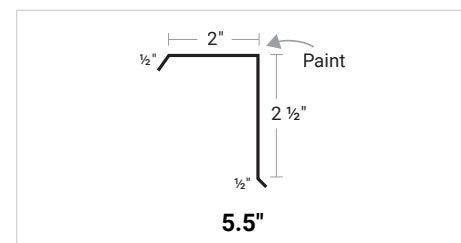
Hip Ridge



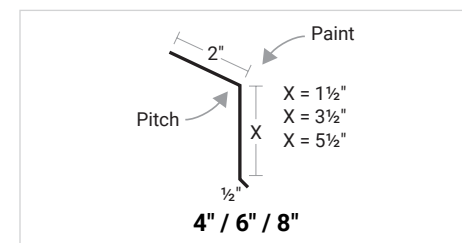
Gable



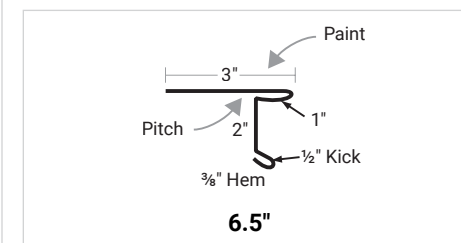
Mini Gable



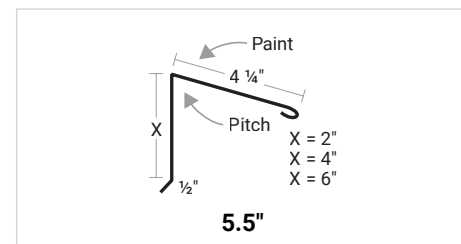
Eave



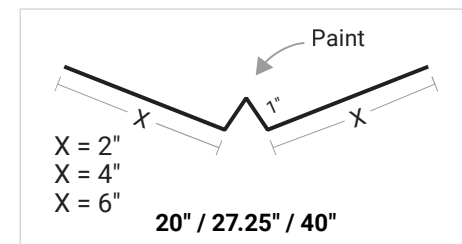
Style D-Eave



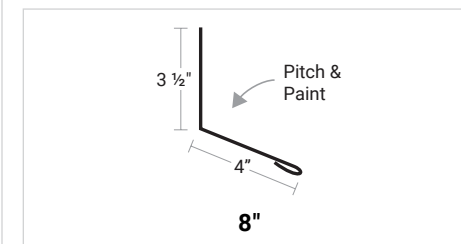
High Eave



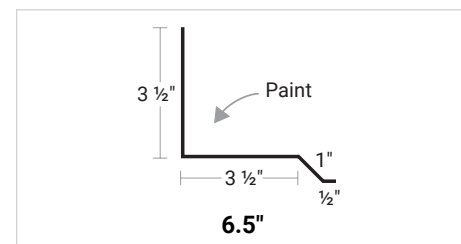
W-Valley



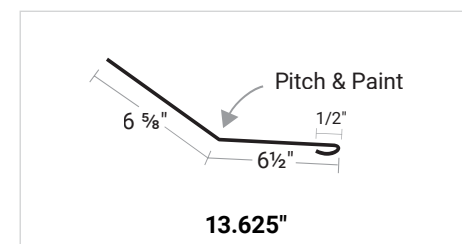
Endwall



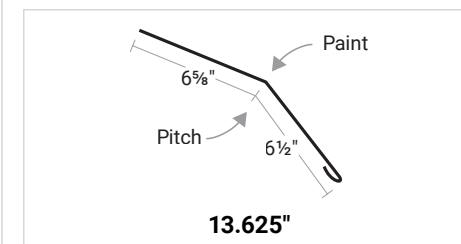
Sidewall



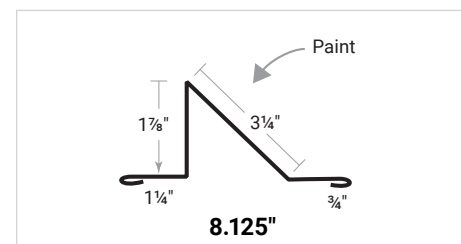
Lower Transition



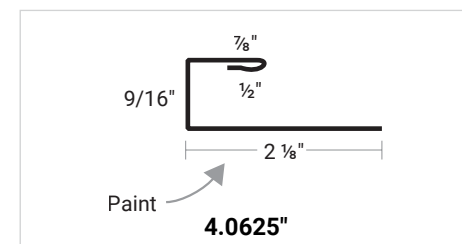
Upper Transition



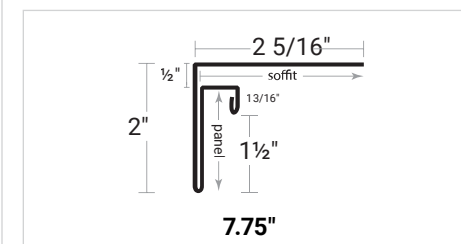
Snow Stop



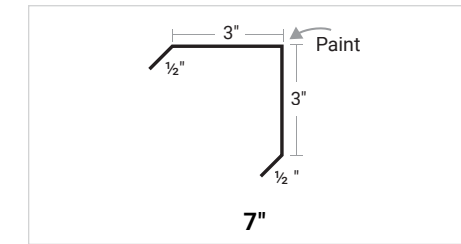
1/2 J-Metal



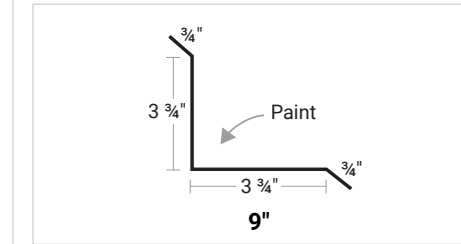
F+J 1 1/4" x 1/2" (Panel to Soffit)



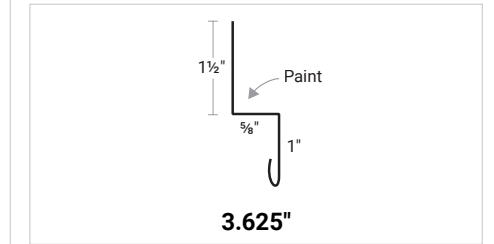
Outside Corner



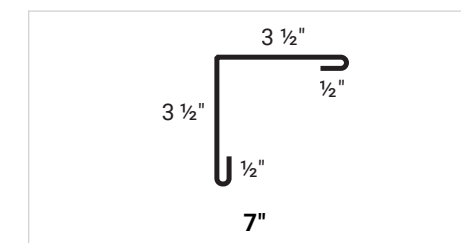
Inside Corner



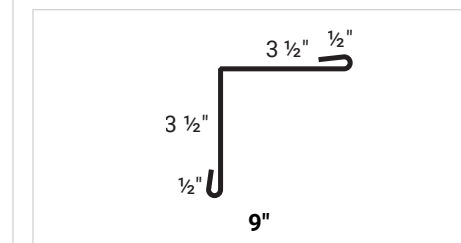
Wainscott



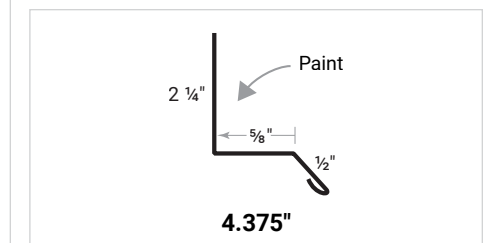
Outside Corner



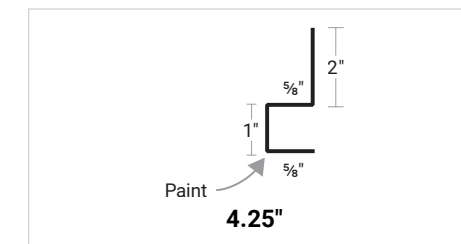
Inside Corner



L-Base / Drip Cap



Square Base



Angle Base

