



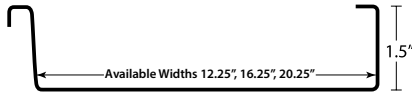
**| Idaho Falls, ID**



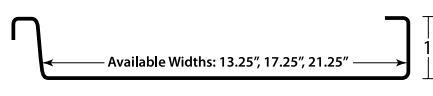
# **| MECHANICAL LOCK**

## MATERIAL SPECIFICATIONS

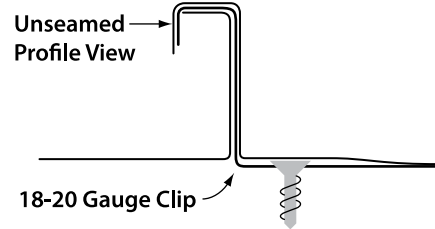
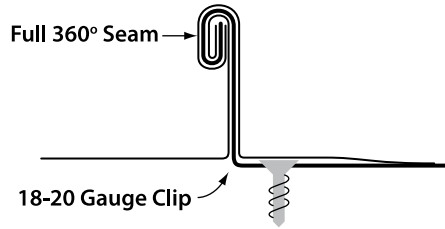
### 1" MECHANICAL LOCK




### 1.5" MECHANICAL LOCK



### 2" MECHANICAL LOCK



SIZE	1.5"
Gauges	22, 24, 26 <i>*Certain colors may be subject to an order minimum and longer lead time. Please contact your Teton Steel representative to learn more.</i>
Weight	1.25lbs/SqFt   1.00lbs/SqFt   .75lbs/SqFt. Steel Yield Stress: 50,000 Grade-D Galvalume Steel Gauge, AZ-50
Substrate	AZ-50, Grade D, 50,000ksi
Paint System	Durapon70™ PVDF, ULTRA-CLAD™ Kynar500®/Hylar5000®
Warranties	35-Years on ULTRA-CLAD™
Materials	Painted, Galvalume, Core-Ten™, 16 & 20 oz Copper (Special order)
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: A525, A792, A606, A653, and A924 Grade D (50,000 min. yield) unless otherwise designated at time of order.</i>
Testing For 2" Mechanical	<ul style="list-style-type: none"> <li>UL 580 Wind Uplift (Class 90)</li> <li>UL 2218 Class 4 Hail Impact</li> <li>UL 790 Class A Fire Rating</li> <li>ASTM E1680</li> <li>ASTM E1646</li> <li>ASTM E1592</li> </ul> 

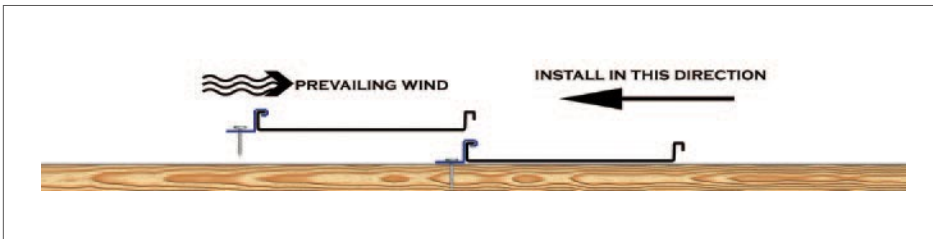
## LOAD TABLES

Refer to Trim Pamphlet for Material Availability

PANEL	TYPE	TEST TYPE	WIDTH	GAUGE	FASTENER SPACING	DECKING
<b>1.5" Mechanical</b>	Air Filtration	ASTM 283	16	24 CRS	36	5/8 Plywood
	Water Filtration	ASTM 331	16	25 CRS	36	5/8 Plywood
	Wind Uplift Class 90	UL Construction #603	20	.032 ZINC	36	5/8 Plywood
	Wind Uplift Class 90	UL Construction #603	16	.032 ZINC	36	5/8 Plywood
	Wind Uplift Class 90	UL Construction #603	16	16 oz. CU	36	5/8 Plywood
	Wind Uplift	Dade 80 MPH	16	24 CRS	36	1/2 Plywood
	Wind Uplift	Dade 140 MPH	16	24 CRS	36	5/8 Plywood
	Impact	Dade Impact	16	24 CRS	36	5/8 Plywood
	Water	Dade Wind Driven Rain	16	24 CRS	36	5/8 Plywood
	Wind Uplift Class 90	UL Construction #588	16	24 CRS	36	5/8 Plywood
	Wind Uplift Class 90	UL Construction #589	16	24 CRS	36	5/8 Plywood
	Hail	UL Class 4	16	24 CRS	36	5/8 Plywood
	Hail	UL Class 4	16	24 CRS	36	5/8 Plywood
	Wind Uplift	ASTM 1592	18.25	24 CRS	36	Purlins 16 Ga
	Flexural Strength	ASTM 330	18.25	24 CRS	36	Purlins 16 Ga
	Wind Uplift	ASTM 1592	18.25	24 CRS	36	Purlins 16 Ga
	Flexural Strength	ASTM 330	18.25	24 CRS	36	Purlins 16 Ga

Note: with either wood or steel framed structures. Teton Steel assumes no responsibility, either expressed or implied, for its use.

## APPLICATION DETAILS



### Roof Application:

Fastener Spacing: 16" and 36", refer to engineering specifications for proper clip spacing and substrate specifications.

Standing seam metal roofing can be used in conjunction with exposed fastener trim pieces or trim that is designed to reduce/ eliminate the need of exposed fasteners on the roofing surface. This designation must be made prior to production.

### Minimum Slope Requirement:

- 1" Mechanical Lock - 3:12,
- 1.5" Mechanical Lock - 1.5:12
- 2" Hot melt required below 1:12 Mastix required below 3:12

