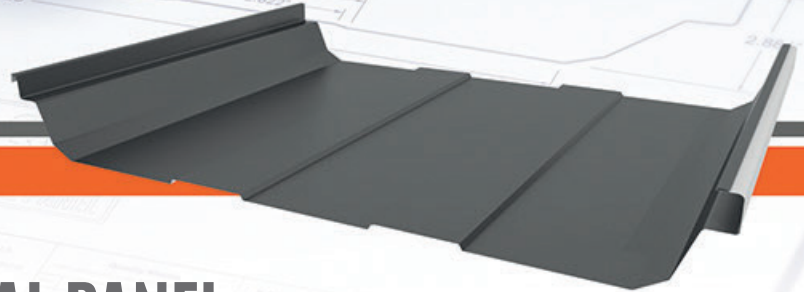




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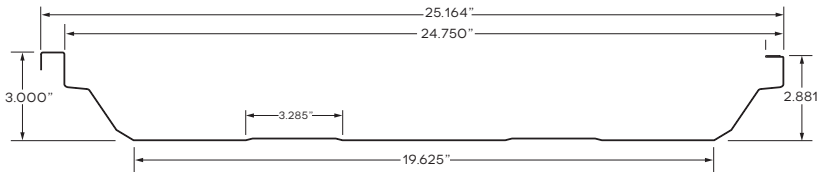
INTERNATIONAL  
Standards Worldwide**ML-300**

3" TRAPEZOIDAL PANEL



# ML-300 3" TRAPEZOIDAL PANEL

## STANDING SEAM SYSTEMS



The **Mechanical Lock** features structural performance as well as architectural aesthetics in **ML-300** (3" High). Can be formed on site for all substrates. Concealed fasteners with a floating clip system reduce the effect of thermal stresses on the panels, helping to maintain a beautifully smooth, uniform appearance despite fluctuations in temperature.

**ML-300** is a mechanically field-seamed, vertical leg standing seam roof system that combines a 3" tall slim rib with exceptional uplift resistance. It is available in 24.3/4 inch width. **ML-300** has been designed to withstand the most rigorous weather conditions. **ML-300** can be installed directly over purlins or bar joists.

### Features

- 24 GA steel
- Colors available on standard, premium and metallic.
- Coverage 24.3/4".
- On site factory made.
- UL Construction Numbers: TGKX.180C, TGKX.287, TGKX.308A, TGKX.539.
- Uplift resistance of prepared roof-covering materials is UL2218 Class 90.
- Impact resistance of prepared roof-covering materials UL2218 Class 4.
- Fire tests of roof coverings UL790. External fire exposure.

### Product Specifications

- **Applications:** Roof
- **Coverage Widths:** 2.3/4"
- **Minimum Slope:** 1/4:12
- **Panel Attachment:** Standing Seam System, Low, High (floating).
- **Gauges:** 24 (standard); 22 and 26 (optional)
- **Finishes:** Stiffener Ribs.
- **Coatings:** Galvalume®, Durapon 70®, Ceranamel®.



PANEL JOINTS 90° SEAMED



PANEL JOINTS 180° SEAMED



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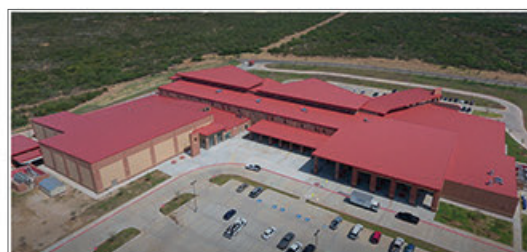
# ML-300

3" TRAPEZOIDAL PANEL



CATEGORY	CHARACTERISTIC	TEST METHOD	PURPOSE	RESULT
ENVIRONMENTAL	Air Leakage Through Roof Panel Joints	ASTM E1680	Determines the air leakage characteristics of metal roof panels under specified air pressure differences at ambient conditions	0.013 cfm/ft2 at 6.24 psf static pressure 0.020 cfm/ft2 at 12.00 psf static pressure
	Water Penetration Through Roof Panel Joints	ASTM E1646	Determines the resistance to water penetration of metal roof panels under uniform static air pressure difference	No uncontrolled water penetration through the panel joints at a static pressure of 12.00 psf
	Impact Resistance	UL 2218	Determines Impact Resistance of prepared Roof Covering Materials	CLASS 4 RAITING
FIRE RESISTANCE	Room Fire Performance	UL 790	Standard for Standard Test Methods for Fire Tests of Roof Coverings	CLASS A FIRE RATING
	Room Fire Performance	UL 263	Standard for Standard Test Methods for Fire Tests of Roof Coverings	For use in Design Nos. TGKX.180C, TGKX.287, TGKX.308A, TGKX.539
STRUCTURAL	Uplift Resistance	ASTM E 1592	Provides a standard procedure to evaluate or confirm structural performance under uniform static air pressure difference	TEST C 78.0 PSF TEST D. -282 PSF.

Design Wind Pressure	Purlins	Attachment of Panel to Steel Purlin
-72.8 psf	16 gauge steel purlin 5'0" on center	Clip w/2 fasteners - 5'0" O.C.



Descriptions and specifications contained herein were in effect at the time this publication was approved for printing. In a continuing effort to refine and improve products, Quality Metals reserves the right to discontinue products at any time or change specifications and/or designs without incurring obligation. To ensure you have the latest information available, please inquire or visit our website at [www.saqualitymetals.com](http://www.saqualitymetals.com). Application details are for illustration purposes only and may not be appropriate for all environmental conditions, building designs or panel profiles. Projects should be designed to conform to applicable building codes, regulations and accepted industry practices. If there is a conflict between this manual and project erection drawings, the erection drawings will take precedence.

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