SENTRIGARD
METAL SYSTEMS

MECHANICAL LOCK

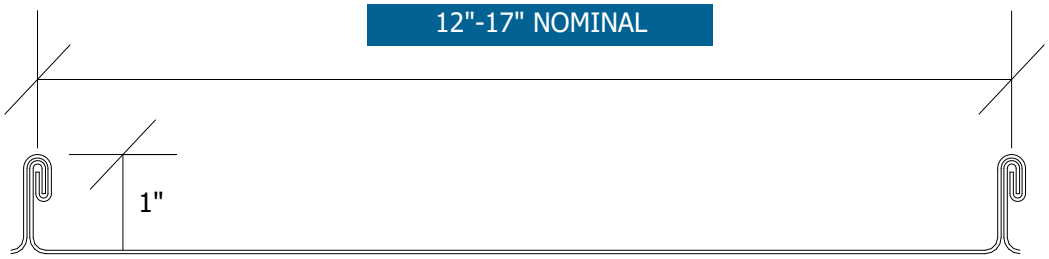
ARCHITECTURAL STANDING SEAM ROOFING SYSTEM

ML100 1” MECHANICAL LOCK PANEL

Classic low profile architectural standing seam metal roofing system. Ideal for residential applications.

› Minimum slope = 3”:12”
› Structural, hydrostatic panel
› Mechanically seamed in field

12"-17" NOMINAL



PANEL PERFORMANCE

Material	Panel Configuration		HVHZ (psf)	Non-HVHZ (psf)
032 Aluminum	**16 5/8in wide panel (max)** - 15/32" plywood - #12x1” pancake head fastener - 3" 2pc expansion clip	180d Seam	**FBC 42672.4** - 24" OC: -63.5psf - 6" OC: -101psf	
24ga Steel	**16 5/8in wide panel (max)** - 15/32" plywood - #12x1” pancake head fastener - 2" fixed clip	180d Seam	**FBC 42672.3** - 24" OC: -71psf - 6" OC: -138.5psf	

FEATURES:

› Ideal for residential and commercial applications
› Mechanical locked seam for weather tight performance
› 35 year finish warranty on Kynar 500 finish
› Underlayment and solid substrate required
› Panel width from 12”-17” Nominal Width please consult for other availabilities
› Minimum Slope – 3”:12”
› Specially designed clip allows thermal movement

MATERIALS:

› 24 and 26 gauge* Galvalume®
› .032” aluminum
› 16oz copper

TESTING:

Sentrigard™ panel assemblies have passed extensive testing to ensure optimal performance in a wide range of conditions. This includes the rigorous High Velocity Hurricane Zone (HVHZ) performance criteria that tests for both wind uplift and air and water infiltration.

TEST REPORT SUMMARY:

› Miami Dade Building Code Compliance Approved
› Florida Building Code 2023
› Testing per TAS 125-03 Std. Requirements for Metal Roof Systems
› Testing per TAS 100 Wind Driven Rain Test
› Test Assembly #6 by Underwriters Laboratory for:
  › a) UL 580-94, per FBC, Uplift Resistance of Roof Assemblies
  › b) UL 1897-98, per FBC, Uplift Tests for Roof Covering Systems
› Class 4 Impact: UL2218
› Class A fire: E108