

# ML100

# 1" Mechanical Lock Panel

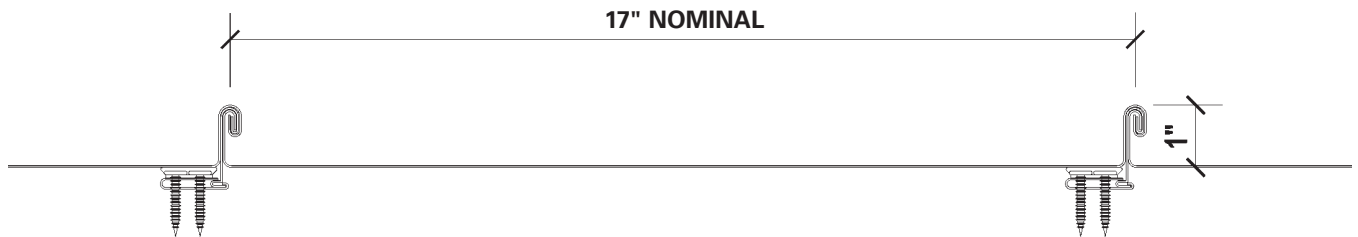
## PRODUCT DESCRIPTION

- Classic Low Profile Architectural Standing Seam Metal Roofing System
- Ideal for residential and light commercial applications
- Specially designed clip allows thermal movement
- Tested panel for rated assemblies achieves higher performance levels
- Mechanically locked seam for weather tight performance
- Excellent for roofing installation requiring exotic metals such as copper and terne

1" Mechanical Lock Panel; max width 17.25"; Double Lock 180 Degree Seam fastened with (2) #10-12 x 1" long No. 2 Phillips drive pancake head, wood screws; One Part Clip Assembly ML100R Clip fastening metal to panel to min. 15/32" plywood decking; maximum 24" clip spacing; Panel Rollformer: Schleich Quadro-Plus Rollformer; Maximum Allowable Roof Uplift Pressure (steel): -71.0 psf Main Field @ 24" Clip Spacing; Perimeter and Corner Pressure -138.5 psf @ 6" Clip Spacing; *Oil Canning is not a Cause for Rejection*



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## DESIGN INFORMATION

- Minimum Slope = 3":12"
- Actual Panel Width: 17.25" from 20" Coil
- Solid Substrate
- Architectural, Hydrokinetic Panel
- Mechanically Seamed in Field
- 24 and 26 Gauge Galvalume®
- .032" Aluminum
- 16oz Copper
- 30Year Finish Warranty on Kynar 500 Finish
- Weather Tight Warranty Not Available
- Underlayment Required

## TEST REPORT SUMMARY

- Florida Building Code 2007
- Chapter 15: Roof Assemblies
- Section 1504.3.2; 1505.3; 1507.4
- Chapter 16: Structural Design
- Chapter 22: Steel; Section 2209 Cold Form Steel
- Chapter 23: Wood
- Testing per TAS 125-03 Std. Requirements for Metal Roof Systems
- 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
- Testing per TAS 100 Wind Driven Rain Test
- FPA #9860.1-R1 – Non HVHZ – 24ga
- FPA #9860.2-R1 – HVHZ – .032" Aluminum
- FPA #9860.3-R1 – HVHZ – 24ga