

PANEL INFORMATION

- Panel profile designed for thermal movement and water shedding
- Standing seam metal roof panel
- Apply with minimum of 30 pound felt underlayment over plywood substrate
- Minimum roof slope 3:12
- 16" nominal coverage with 1" rib height or 16" nominal coverage with 1-1/2" rib height
- Gauge: 26 gauge or 24 gauge
- Finishes: Fluropon® (KYNAR), WeatherX™ (SMP), or Acrylic Galvalume

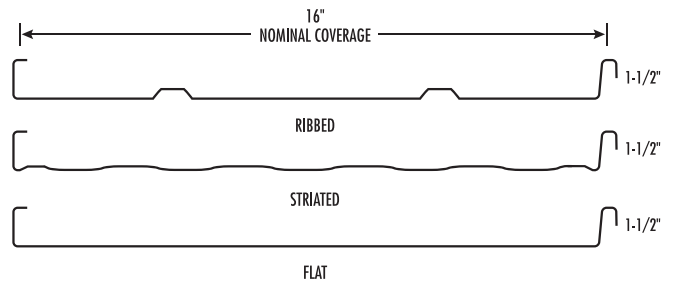
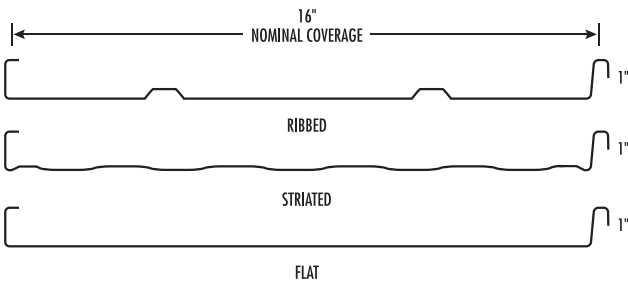
Concealed Fasteners

Architectural Panel

Plywood Substrate

16" Nominal Coverage

Minimum Slope 3:12



**ALLOWABLE UNIFORM LIVE LOADS PSF
(3 Equal Spans)**

Outward Uplift (Stress Load)				
2.00'	2.25'	2.50'	2.75'	3.00'
162.50	128.40	104.00	85.95	72.22

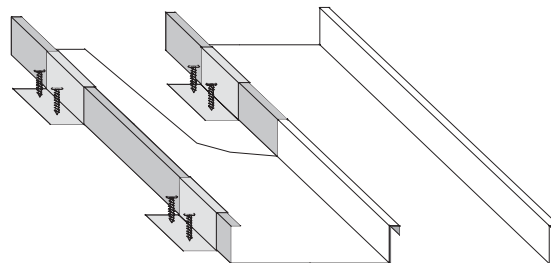
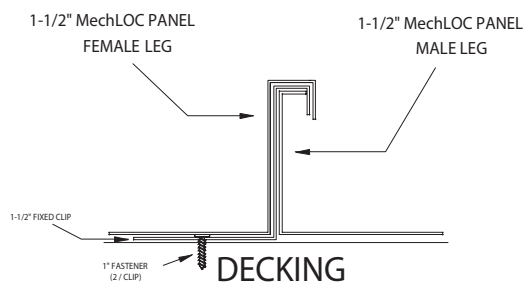
1-1/2" SELECTION PROPERTIES

Gauge	Width (in.)	Yield KSI	Weight PSF	Ixx In ⁴ /ft	Sxx In ³ /ft
24	18.25"	500	1.05	.0480	.0260



* Deflection = L/180

Fastening Detail



Availability

- Finishes: Fluoropon® (KYNAR), WeatherX™ (SMP), or Acrylic Galvalume
- Gauge: 26 gauge or 24 gauge

Fastening

- For proper fastener application refer to fastener charts, illustrations, and installation instructions. Take care to select the correct fastening method. It is recommended that extra fastening be done around the perimeter of the roof.

Length

- Minimum factory cut length is 4'-0". Maximum recommended panel length is 40'-0". Longer panels require additional consideration in manufacturing and assembly. Please consult ACM for recommendations.

Coverage

- MechLoc panels are available in a 1" or 1-1/2" rib height with a 16" nominal coverage.

Substrate

- To avoid oil canning or deformation of the MechLoc panel apply over a minimum 1/2"* or 5/8"* plywood substrate and a plum, level, & square substructure.

* Reference the MechLoc Installation Instructions for further information on the substrate.

Slope

- The MechLoc roof panel minimum recommended slope is 3:12.

PANEL TESTING

- UL 580 Class 90, Uplift
- UL 1897, Uplift
- UL2218 Class 4, Impact Resistance
- ASTM A792
- ASTM E 283-84, Air Infiltration
- ASTM E 331-70, Water Penetration
- ASTM E 1592, Uplift
- Finish meets or exceeds ASTM B117 Salt Spray and ASTM G23