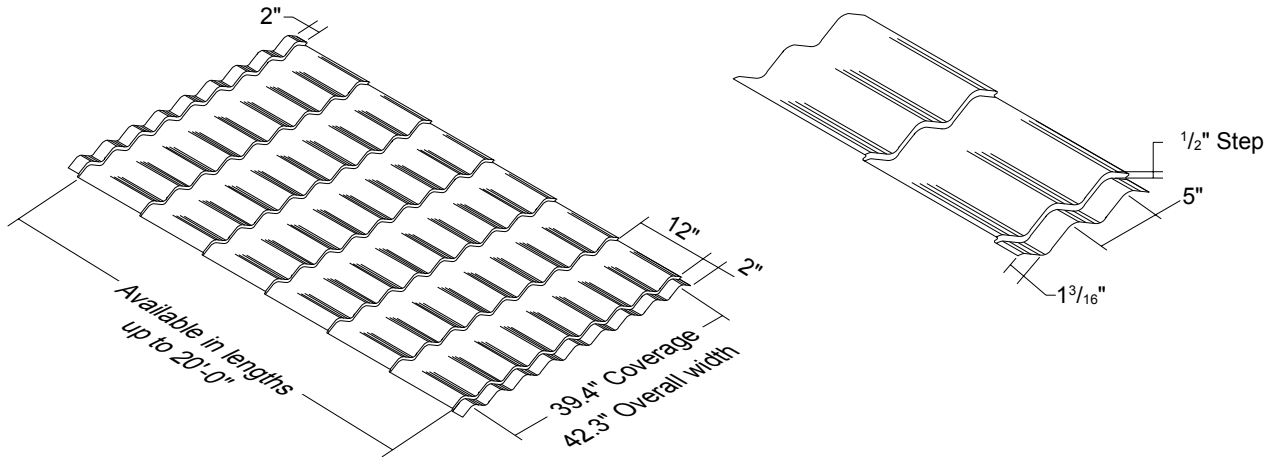


STILE

Condensed
Technical
Reference



ARCHITECTURAL
RESIDENTIAL
PANEL

EXPOSED
FASTENED

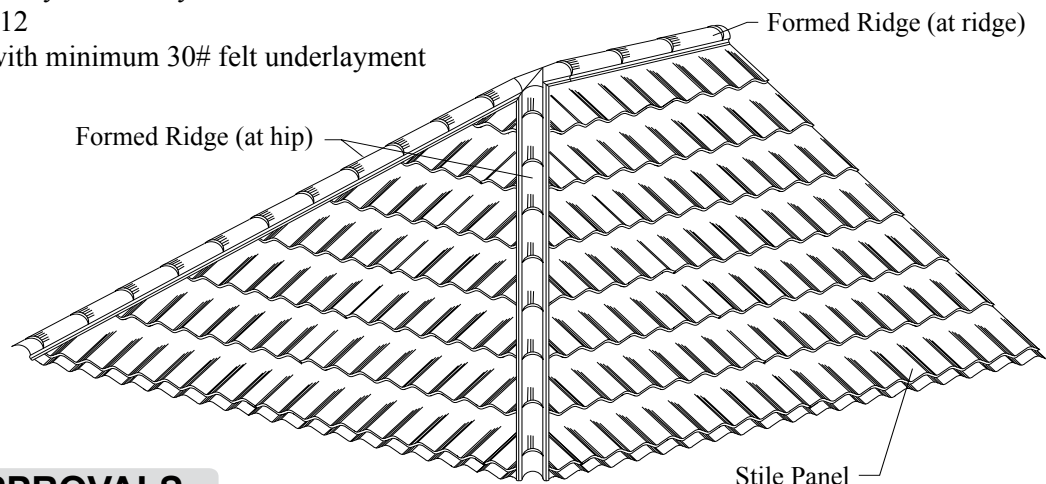
39.4" (1 METER)
COVERAGE

MINIMUM
SLOPE
3:12

SOLID WOOD
SUBSTRATE

PANEL OVERVIEW

- ▶ Finishes: PVDF
- ▶ Corrosion Protection: G90 galvanized per ASTM A 653
- ▶ Gauges: 26 ga
- ▶ 39.4" (1 meter) panel coverage, 1³/₁₆" rib height
- ▶ Panel Length: Minimum: 3'; Maximum: 20'; in 1' increments
- ▶ Architectural, simulated clay tile roof system
- ▶ Minimum roof slope: 3:12
- ▶ Applies over plywood with minimum 30# felt underlayment

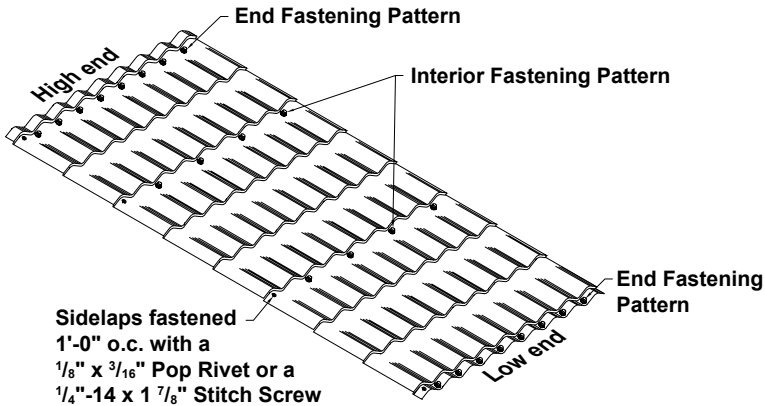


TESTING AND APPROVALS

- ▶ UL 2218 Impact Resistance - Class 4
- ▶ UL 790 Fire Resistance Rating - Class A, per building code
- ▶ UL 263 Fire Resistance Rating - per assembly
- ▶ UL 580 Uplift Resistance - Class 90 Construction: #533
- ▶ Texas Windstorm - Evaluation RC-163
- ▶ 2014 FBC Approvals - FL11560.8 and FL11560.9
- ▶ Miami-Dade County, Florida NOA 13-0627.01 expires 6/29/2018

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ATTACHMENT DETAIL



FASTENER INFORMATION

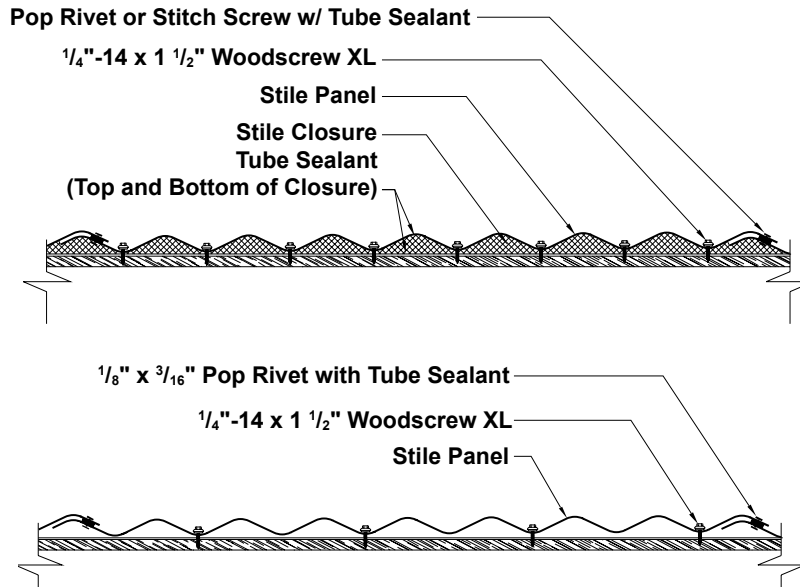
Overdriven fasteners will cause panel distortions.

Fasteners should extend 1/2" or more past the inside face of the support material.

Panel Fastener:
1/4"-14 XL Wood Screw

Trim Fastener:
1/4"-14 x 7/8" XL Stitch Screw
or
1/8" x 3/16" Pop Rivet

FASTENING PATTERNS



| SECTION PROPERTIES | | | | | | | | ALLOWABLE UNIFORM LIVE LOADS, psf For various fastener spacings | | |
|--------------------|-------------|--------------|---------------|----------------------------|----------------------------|----------------------------|----------------------------|--|----|----|
| Ga | Width in | Yield ksi | Weight psf | Top in Compression | | Bottom in Compression | | Outward Load | | |
| | | | | Ixx in ⁴ /ft | Sxx in ³ /ft | Ixx in ⁴ /ft | Sxx in ³ /ft | 1' | 2' | 3' |
| 26 | 39.4 | 40 | 0.91 | 0.0426 | 0.0700 | 0.0426 | 0.0694 | 103 | 77 | 50 |

- Theoretical section properties have been calculated per AISI 2012 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase for wind.