504 818-0020
Fax

Stile®

Residence
Cheyenne, WY

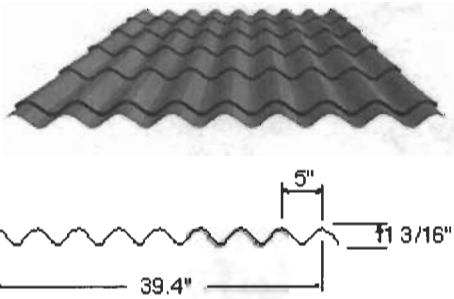
Load Tables
CAD-Drawings
Colors
Product Manual
Warranties
Pricing
Technical Literature

Specifications:

- Architectural simulated clay, metal tile roof panel
- Panel coverage is one meter (39.4")
- Panel lengths available: from 3' to 20' by 1' increments
- 5" center to center of rib with 1-3/16" rib height
- Panel steps, 1/2" high at 12" center to center
- 26ga standard
- Minimum roof slope: 3:12
- Applies over solid substrate with 30# felt underlayment
- Six unique Kynar 500 (PVDF) colors
- Contact your nearest branch for load-carrying capabilities

Testing:

- UL 2218, Class 4 Impact Resistance
- UL 790, Class A Fire Resistance Rating
- Dade County Approved
- UL 580, Class 90 Wind Uplift, Construction #533 over 5/8" plywood deck



Metal Sales Manufacturing Corp.

VERIFY W/ LAQUINTA

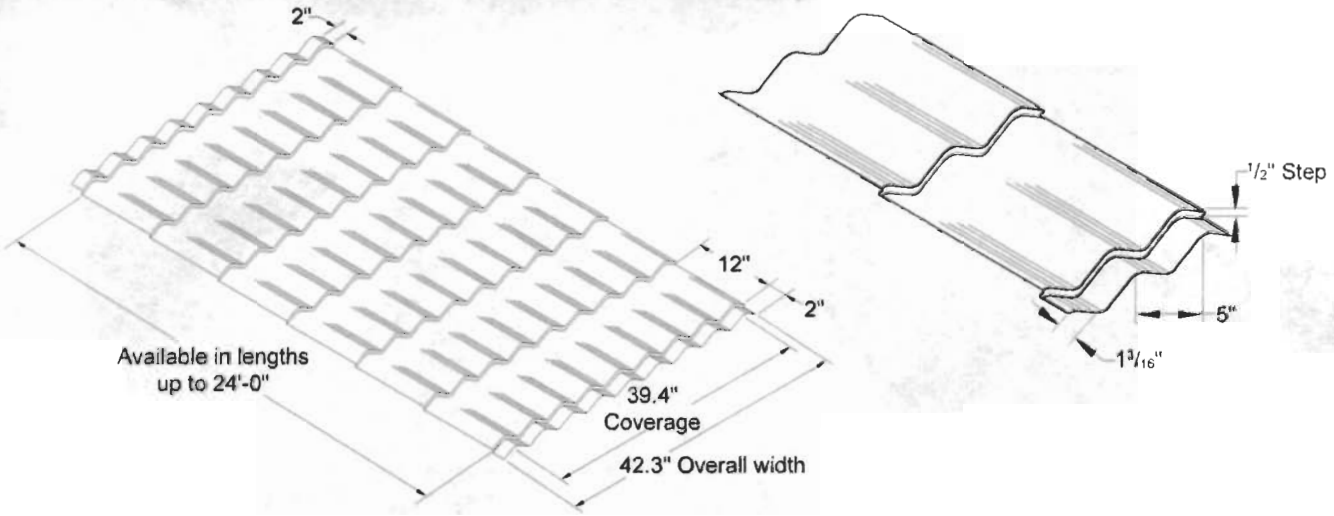
a. Disapproved ☐
b. Approved as noted. Clarify & resubmit. ☐
c. Approved as noted. ☐
d. Approved for general configuration. ☑

This approval does not relieve the Contractor from proper design, fabrication or installation, nor does it relieve him of any warranty or obligation of the contract.

DAMMON ENGINEERING
Engineer _____
Date 4-18-07

CONDENSED TECHNICAL REFERENCE

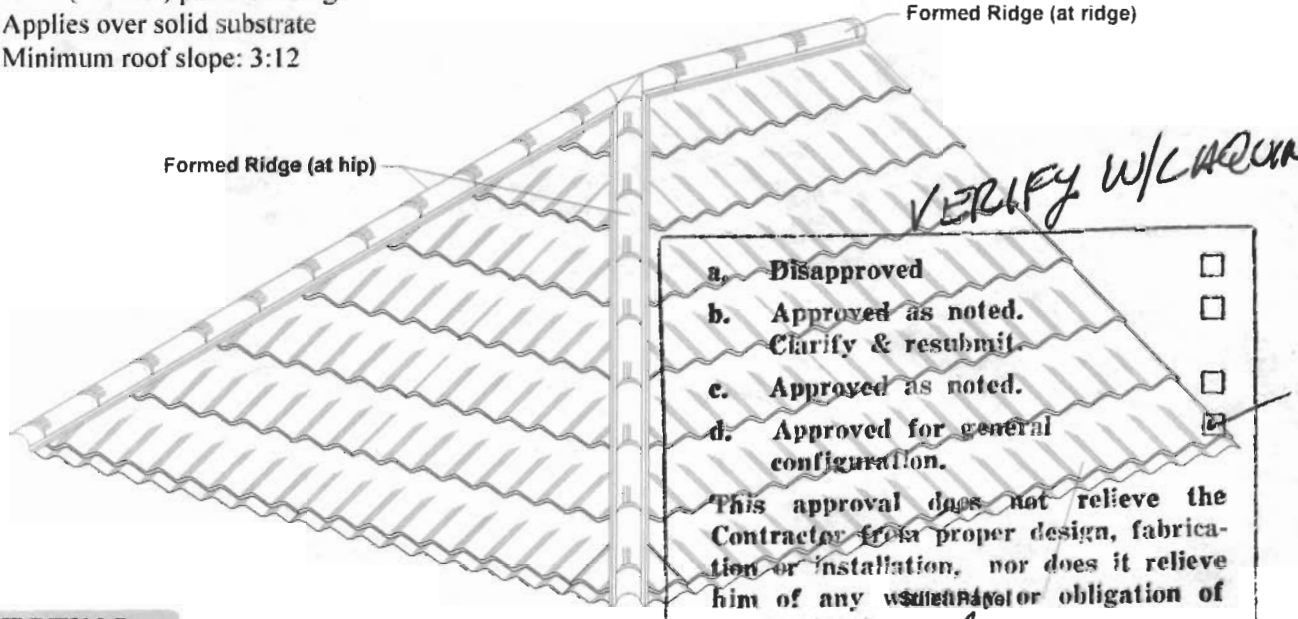
STILE®



ARCHITECTURAL RESIDENTIAL PANEL | **DIRECT FASTEN** | **39.4" (1 METER) COVERAGE** | **MINIMUM 3:12 SLOPE** | **SOLID WOOD SUBSTRATE**

PANEL OVERVIEW

- Finish: Kynar 500 (PVDF)
- Gauge: 26ga
- 39.4" (1 meter) panel coverage
- Applies over solid substrate
- Minimum roof slope: 3:12



VERIFY W/ CHECKING

a. Disapproved ☐
b. Approved as noted. Clarify & resubmit. ☐
c. Approved as noted. ☐
d. Approved for general configuration. ☑

This approval does not relieve the Contractor from proper design, fabrication or installation, nor does it relieve him of any [illegible] or obligation of the contract.

DAMMON ENGINEERING

Engineer

Date 4-10-07

TESTING

- **UL 2218, Class 4** Impact Resistance
- UL 790, Class A Fire Resistance Rating
- Florida Building Code Approved 5807.2
- Miami-Dade County Approved 05-1109.04
- UL 580 Class 90 Wind Uplift, Construction Number 533 over 5/8" plywood deck

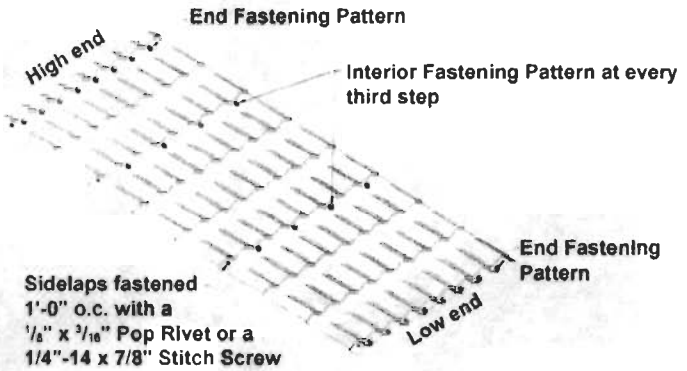
metal sales manufacturing corporation

MS

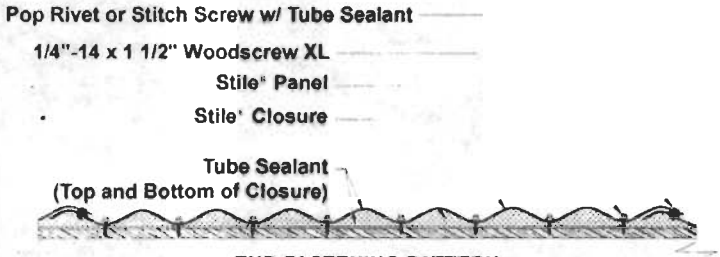
CONDENSED TECHNICAL REFERENCE

STILE®

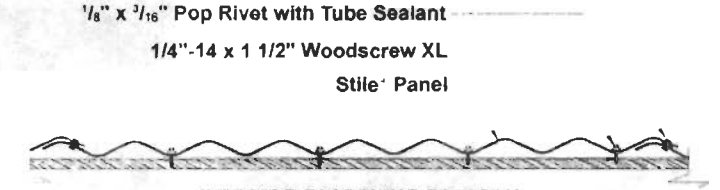
ATTACHMENT DETAIL



FASTENING PATTERNS



END FASTENING PATTERN



INTERIOR FASTENING PATTERN

GENERAL INFORMATION

▶ Slope
The minimum recommended slope for the Stile® roof panel is 3:12.

▶ Substructure
The recommended substrate is 5/8" plywood with a 30 pound felt moisture barrier. To avoid panel distortion, use a properly aligned and uniform substructure.
NOTE: Stile® roof panels are not recommended for use over open structural framing.

▶ Coverage
Stile® panels have a coverage of 39.4" (1 meter).

▶ Length
Minimum factory cut panel length is 3'-0". Maximum panel length is 24'-0". Panel lengths are available in 1'-0" increments.

▶ Fasteners
The fastener selection guide should be consulted for choosing the proper fastener for specific applications. Quantity and type of fastener must meet necessary loading and code requirements.
NOTE: All panels are subject to surface distortion due to improperly applied fasteners. Overdriven fasteners will cause stress and induce oil canning across the face of the panel at or near the point of attachment.

▶ Availability
Finish: Kynar 500 (PVDF) colors.
Gauge: 26ga standard

VERIFY LOADING

a. Disapproved ☐
b. Approved as noted. Clarify & resubmit ☐
c. Approved for general configuration. ☑
This approval does not relieve the Contractor from proper design, fabrication or installation of the work. It does not relieve him of any warranty or obligation of the contract.
DAMMON ENGINEERING
Engineer
Date 4-10-07

SECTION PROPERTIES

Ga.	Width (in.)	Yield KSI	Weight PSF	Top in Compression		Bottom in Compression	
				Ixx in⁴/ft	Sxx in³/ft	Ixx in⁴/ft	Sxx in³/ft
26	39.4"	25	0.83	0.0396	0.0644	0.0396	0.0643

1 Theoretical section properties have been calculated per AISI 2001 "Specification for the Design of Cold-Formed Steel Structural Members". Ixx and Sxx are effective section properties for deflection and bending.
2 Allowable load is calculated in accordance with AISI 2001 specifications considering bending, shear, combined bending and shear, deflection, uplift testing, pullout from 1/2" plywood, and pullover. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling. Panel weight is not considered.
3 Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
4 Allowable loads do not include a 1/3 stress increase in uplift.

ALLOWABLE UNIFORM LIVE LOADS PSF
(3 or More Equal Spans)

Outward Uplift (Stress) Load	2'-0"	3'-0"
	77	50