El Dorado Market Place - Frisco, TX
Owner: Duggan Realty Advisors, LLC
Architect: O'Brien & Associates
General Contractor: Lee Lewis Construction
Roofing Contractor: BRI Roofing & Sheet Metal
Profile: Snap-Clad, Tite-Loc Panels (curved), Flush Panels
Color: Weathered Zinc

TITE-LOC PANELS

Tite-Loc Panels combine structural panel performance with architectural panel aesthetics. TITE-LOC Panels are corrective leveled to provide superior panel flatness. A factory-applied sealant bead is applied for additional weather resistance. Maximum panel length is 64 feet and minimum panel length is 4 feet. Consult factory for longer lengths.

Tite-Loc Panels feature a 2" leg height that requires mechanical field seaming after installation. Panels have a concealed-fastener floating clip system designed to allow for thermal expansion/ contraction. For further details, please contact PAC.

TRIM

All flashing and trim will be fabricated by manufacturer or qualified fabricator. Flashing shall be PAC-CLAD aluminum (.032-.063 gauge as specified) or PAC-CLAD steel (24 ga. or 22 ga. as specified). A 20 year, non-prorated finish warranty can be supplied covering finish performance.

INSTALLATION

Tite-Loc Panels are intended for use in architectural and structural roofing. Substrates may include 5/8" (min.) plywood, nailboard insulation or equal with an underlayment of ice and water shield or 30# (min.) roofing felt applied horizontally from eave to ridge. Other substrates may include metal decking, purlins or rigid insulation in conjunction with bearing plates. A minimum 1/2:12 pitch is required. Contact Petersen for further detail assistance on projects. For Coastal applications, aluminum panels along with stainless steel clips must be used for warranty. Consult a local architect/engineer for compliance with local codes and conditions.

TITE-LOC/TITE-LOC PLUS PANELS

Tite-Loc and Tite-Loc Plus Panels are factory-formed to length and field seamed to a 90˚ lock (Tite-Loc) or a 180˚ lock (Tite-Loc Plus). The panels have been designed for application over a wide variety of substrates on roof slopes as low as 1/2:12 pitch. Available in 12", 16" and 18" widths, Tite-Loc and Tite-Loc Plus panels can be produced in 22 and 24 gauge steel or .032 and .040 aluminum.

SEAMING

- The Tite-Loc seamer is bi-directional, offering labor savings with the ability to travel up and down slope. However, the seamer should only be used up slope on roofs with a pitch of 6:12 or less.
- The Tite-Loc Plus seamer runs in one direction. Tite-Loc Plus panels should be installed from left to right to ensure the seamer travels down slope. The seamer will not travel up slope on a roof pitch greater than 4:12.

CURVED APPLICATIONS

The 90˚ Tite-Loc Panels can be curved to a minimum radius of 20'-0". Tite-Loc curving can be done in the field or at the factory depending on the radius and length of the panel. For more details about our capabilities, please contact your local Petersen Aluminum factory.

PRODUCT FEATURES

- Herr-Voss corrective leveled
- Available with striations or striations with pencil ribs (check local factory for availability)
- 20 year non-prorated finish warranty
- Maximum panel length of 64 feet

Material
- 37 stocked colors (24 gauge steel)
- 13 stocked colors (22 gauge steel)
- 36 stocked colors (.032 aluminum)
- 19 stocked colors (.040 aluminum)
- Smooth and stucco embossed available (not available in .040 Tite-Loc)
- Galvalume Plus available

UL Classification
- UL-580 Class 90 rated up to 18" O.C.
- UL-1897 wind uplift
- UL-790 Class A fire rated
- UL-263 fire resistance rated
- UL-2218 impact resistance rated

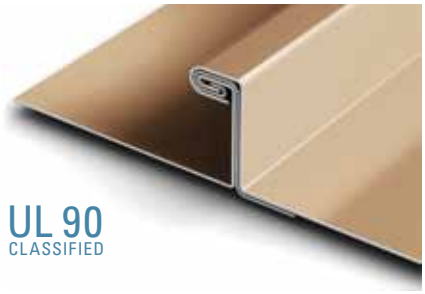
ASTM Tests
- ASTM E1592 tested
- ASTM E331/1646 tested
- ASTM E283/1680 tested

Florida Building Product Approvals (Tite-Loc Plus only)
- .032 Aluminum: FL Prod. Approv. #5562
- 24 ga. Steel: FL Prod. Approv. #5562
- .040 Aluminum: FL Prod. Approv. #10879

Miami-Dade Product Approvals (Tite-Loc Plus only)
- .032 Aluminum: NOA No.: 07-0924.09
- 24 ga. Steel: NOA No.: 07-0924.10

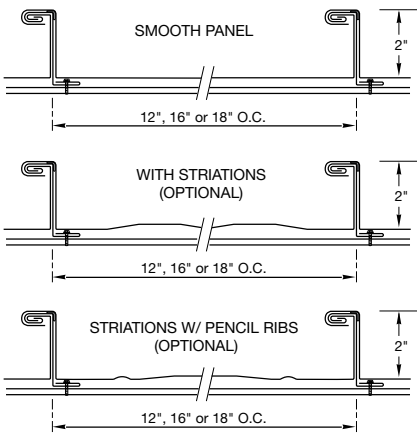
Tests (Tite-Loc Plus only)
- 24 ga. Steel SSTD Missile Impact Tested - Passed
- .032 Aluminum SSTD Missile Impact Tested - Passed

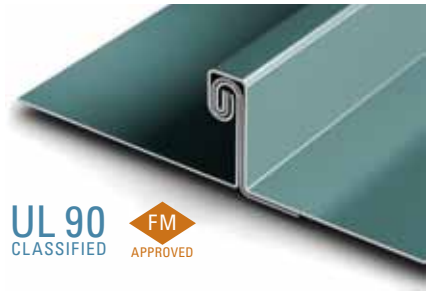
Ruffner Hall, Longwood University - Farmsville, VA
Owner: Longwood University
Architect: Kuntz & Associates, Architects
General Contractor: English Construction
Roofing Contractor: Roof Systems of Virginia
Color: Colonial Red
Profile: Tite-Loc Plus



TITE-LOC

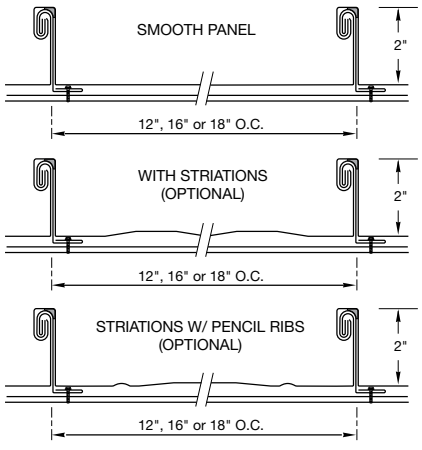
SPECS: 12", 16" OR 18" O.C.
2" HIGH
MATERIALS: .032 ALUMINUM*
.040 ALUMINUM*
24 GAUGE STEEL*
22 GAUGE STEEL*

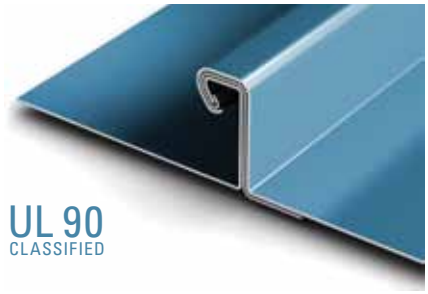




TITE-LOC PLUS

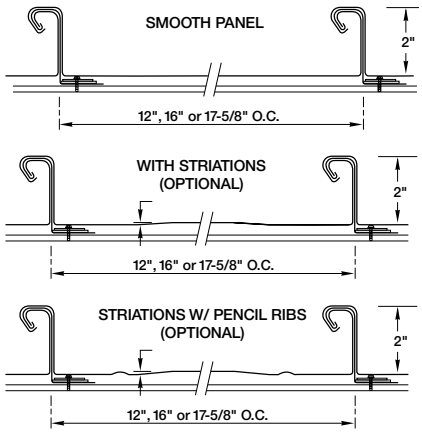
SPECS: 12", 16" OR 18" O.C.
2" HIGH
MATERIALS: .032 ALUMINUM*
.040 ALUMINUM*
24 GAUGE STEEL*
22 GAUGE STEEL*





TITE-LOC HS

SPECS: 12", 16" OR 17-5/8" O.C.
2" HIGH
MATERIALS: .032 ALUMINUM*
.040 ALUMINUM*
24 GAUGE STEEL*
22 GAUGE STEEL*



*24 ga. and 22 ga. steel and .032 and .040 aluminum panels are UL-90 classified over solid substrate. See roof deck construction in Underwriter Laboratories roofing materials and systems directory. **24 ga and 22 ga Tite Loc Plus panels are FM Approved in 12" and 16" widths over 16 ga. open purlins only.

A complete specification is available online at www.pac-clad.com.