

SL150 Standing Seam – Technical Sheet



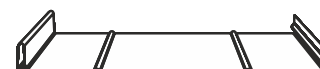
Striated Profile
(standard)



Smooth Profile
(see oil canning waiver)



2 Pencil Ribs Profile
(see oil canning waiver)



**RESIDENTIAL
COMMERCIAL
PANEL**

**CONCEALED
FASTENED**

**16"
COVERAGE**

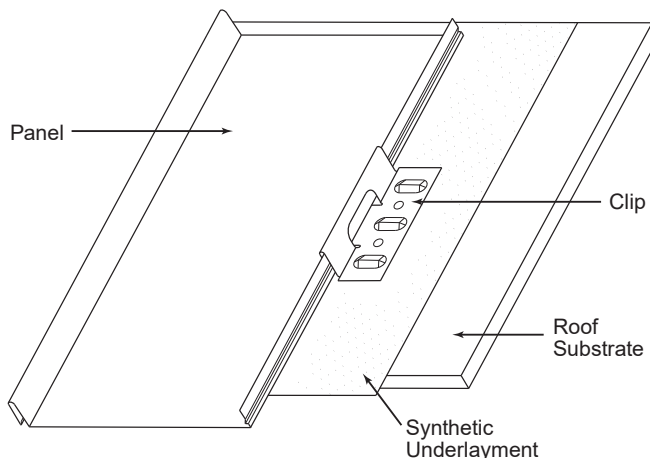
**MINIMUM
SLOPE
3:12**

SOLID SUBSTRATE

- ▶ Finishes: Painted and Acrylic-Coated Galvalume®
- ▶ Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume®
AZ50 per ASTM A 792 for painted Galvalume®
- ▶ Gauges: 26 ga, 24 ga standard
- ▶ 16" panel coverage, 1 1/2" rib height
- ▶ Panel Length: Minimum: 3'; Maximum: 40' recommended
- ▶ Residential, commercial standing seam roof system
- ▶ Alternate material: 0.032" aluminum
- ▶ Snap-together side lap

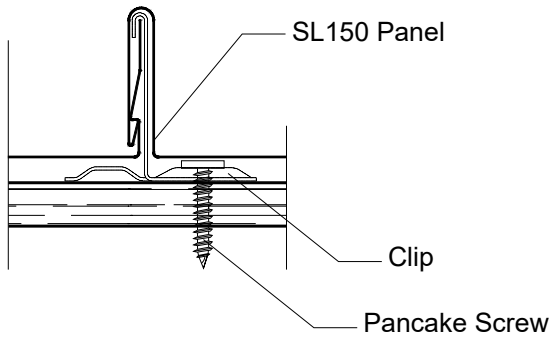
TESTING AND APPROVALS

- ▶ UL 2218 Impact Resistance - Class 4
- ▶ UL 790 Fire Resistance Rating - Class A, per building code
- ▶ ASTM E 283 Air Leakage - 0.006 cfm/ft² at 6.24 psf
- ▶ ASTM E 331 Water Penetration - none at 15 psf
- ▶ ASTM E 1680 Air Leakage - 0.0036 cfm/ft² at 6.24 psf
- ▶ ASTM E 1646 Water Penetration - none at 6.24 psf
- ▶ ASTM E 1592 Structural Performance
- ▶ UL 580 Uplift Resistance - Class 90 Construction: #589
- ▶ 2014 FBC Approvals - FL9443.1

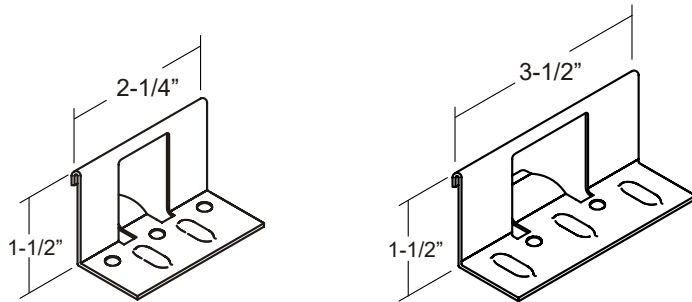


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ATTACHMENT DETAIL



PANEL CLIP



SL150 Clip 10
Standard clip, 20 ga Galvanized

SL150 Clip 11
UL clip, 18 ga Galvanized

FASTENING INFORMATION

► Clips

1. Clip spacing is based upon the design loads, the spanning capacity of the panels, the fasteners and the support members.
2. Clips are 18 or 20 gauge. Galvanized is standard, 304 stainless is optional.
3. Clips can accommodate practically unlimited thermal movement.

► Fasteners

1. Overdriven fasteners will cause panel distortions.
2. Fasteners to wood and steel should extend 1/2" or more past the inside face of the support material.

Clip Fasteners and Concealed End Fasteners:

Attaching to Wood:

#10-12 Pancake Head Wood Screw

Attaching to Steel:

<18 ga: 1/4"-14 Deck Screw

>=18 ga, <=12 ga: #10-12 Pancake Head Driller

Exposed End Fasteners:

Attaching to Wood:

#10-14 Wood Screw

Attaching to Steel:

#12-14 Self Driller

Trim Fasteners:

1/4"-14 x 7/8" Lap Stitch Screw

1/8" x 3/16" Pop Rivet

Design Uplift Pressures:

Table "A"

Maximum Total Uplift Design Pressure:	86.0 psf	108.5 psf	116.0 psf
Clip Spacing:	24" O.C.	12" O.C.	6" O.C.
# Fasteners per Clip:	2	2	2

* Design Pressure includes a Safety Factor = 2.0.

Performance Standards:

The product described herein has demonstrated compliance with:

- TAS 125-03
- UL 580-06 - Test for Uplift Resistance of Roof Assemblies
- UL 1897-04 - Uplift Test for Roof Covering Systems
- TAS 100-95 - Test Procedure for Wind and Wind Driven Rain Resistance of Discontinuous Roof Systems
- TAS 110-00 - Accel. Weathering ASTM G 26 / Salt Spray ASTM B 117