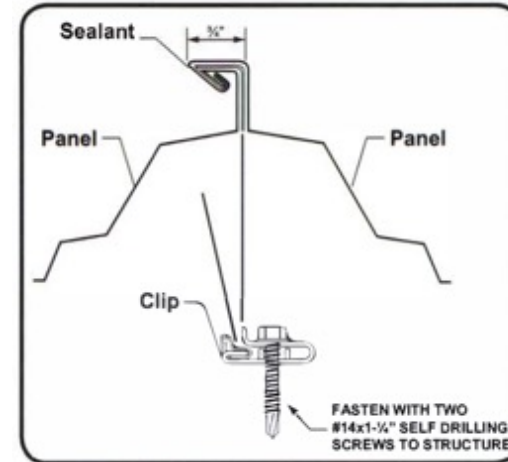
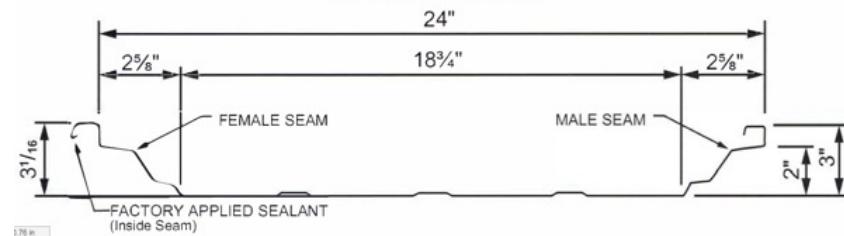


AS-24 PANEL

Alliance Seam 24 Panel

The Alliance Seam 24 (AS-24) trapezoidal rib design provides excellent performance on any roof pitch especially low. The panel requires the ribs to be mechanically field seamed assuring one of the best weather performing standing seam design in the industry today. The panel can be utilized in ice and snow country as well as provide some of the best uplift rated /tested values for coastal or high wind requirement areas. The panel design has been in service many years providing excellent performance results in all applications- open framing composite. AS-24 is a complete Standing Seam Roofing System that offers ease of installation and the security of weather-tightness at a reasonable cost. AS-24 is available in ASI full range of colors and various gauges.



- 24" Wide Panel Coverage
- Mechanical Seamed TripleLok or QuadLok
- Ideal For Low Slope Applications
- Factory-Applied Sealant In The Female Rib
- Weathertightness Warranties Are Available
- Army Corps Of Engineers ASTM E-1592 Tested
- Texas Department of Insurance Windstorm Tested
- UL 90 Class 580 Wind Uplift Rated
- FM Class 1-90, 1-105, 1-120, 1-165 and 1-180 Rated
- FM Fire And Class 1-SH Hail Resistance Rated
- ASTM E-1680 Air and E-1646 Water Tested

AllianceSeam 24 roof with TripleLok and QuadLok Seam

UL Listing	Panel Width	Panel Gauge	Seam Type	Purlin Gauge	Purlin Spacing
UL-60	24"	24 ga.	All Seam Types	16 ga.	5'0"
UL-90	24"	24 ga.	All Seam Types	16 ga.	5'0"

Texas Department of Insurance Uplift Results QuadLok Seam

Purlin Spacing	Panel Width	Panel Gauge	Report # C-1950-1
2'0"	24"	24 ga.	120.0
5'0"	24"	24 ga.	45.0
Factor Of Safety = 2.0			

ASTM E 1592 Uplift Test Results Alliance Seam 24 roof with QuadLok Seam

Purlin Spacing	Panel Width	Panel Gauge	Report # C-1950-1
2'0"	24"	24 ga.	183.3
5'0"	24"	24 ga.	81.1
Factor Of Safety = 1.65			

Design Load = (Mean Ultimate Load/sf)x 1.33 when allowed by building code

Factory Mutual 4477 Uplift Test Results AllianceSeam 24 roof with TripleLok or QuadLok Seam

Alliance Seam	Panel Width	Panel Gauge	Seam Type	Purlin Gauge	Purlin Spacing
1-60	24"	24 ga.	8"	16 ga.	5'0"
1-90	24"	24 ga.	8"	16 ga.	4'0"

ASTM E 1592 Uplift Test Results Alliance Seam 24 roof with TripleLok Seam

Purlin Spacing	Panel Width	Panel Gauge	Report # C-1417-1
2'0"	24"	24 ga.	149.7
5'0"	24"	24 ga.	71.2
Factor Of Safety = 1.65			

ASTM E-1680 Air Infiltration @ 1.57 psf = 0.001 CFM/sq.ft

ASTM E-1646 Water Penetration = None @ 20.0 psf

The following recognized certifications and listings have been earned:

Underwriters Laboratories UL-90 Classification Construction No. 556

Factory Mutual Class 1-90, 1-105, 1-120, 1-165 and 1-180 listing. Corps of Engineers CEGS 07416 Uplift Test.

ASTM E 1592 Uplift Test (three tests each span each gauge)

ASTM E 1680 Air Infiltration

ASTM E 1646 Water Leakage

FM Const# 15, 17, 18, 78723, 78724, 78726

Factory Mutual Class 1-SH Severe Hail Rating

The AllianceSeam 24 roof system utilizing the TS-324™ panel system technology has been tested and certified by independent testing agencies and laboratories and achieved the loads and listings shown below.

Underwriters Laboratories Inc. Construction No. 556, 556A, 556B