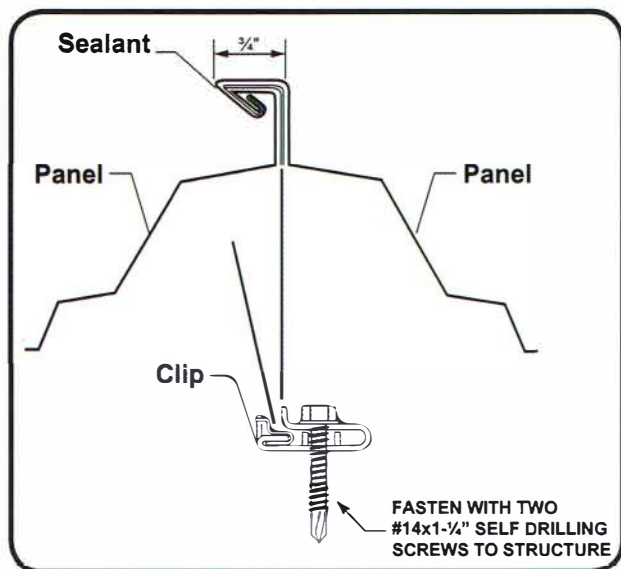
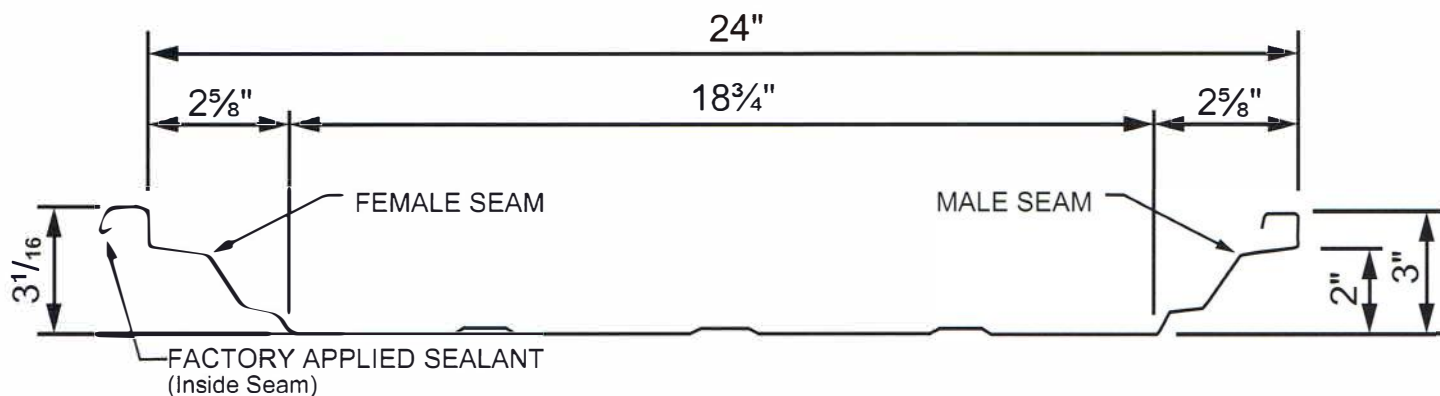


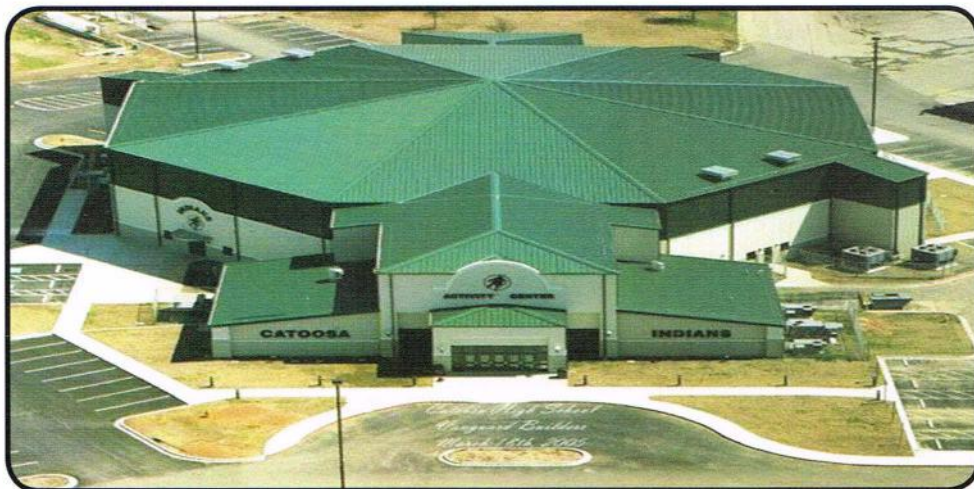


AS-24 PANEL

ALLIANCE SEAM 24



- 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



AS-24 PANEL

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

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"

Factory Mutual 4477 Uplift Test Results

AllianceSeam 24 roof with TripleLok or QuadLok Seam

FM Listing	Panel Width	Panel Gauge	Purlin Depth	Purlin Gauge	Purlin Spacing
1-60	24"	24 ga.	8"	16 ga.	5'0"
1-90	24"	24 ga.	8"	16 ga.	4'0"

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

AllianceSeam 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 1592 Uplift Test Results

AllianceSeam 24 roof with QuadLok Seam

Purlin Spacing	Panel Width	Panel Gauge	Report # C-1419-2
2'0"	24"	24 ga.	183.3
5'0"	24"	24 ga.	81.1
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

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