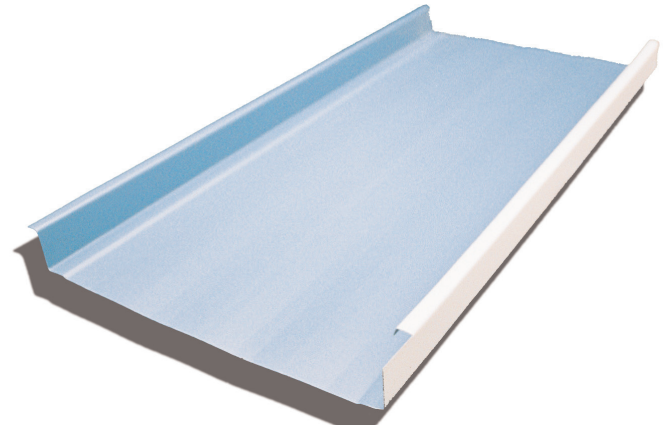
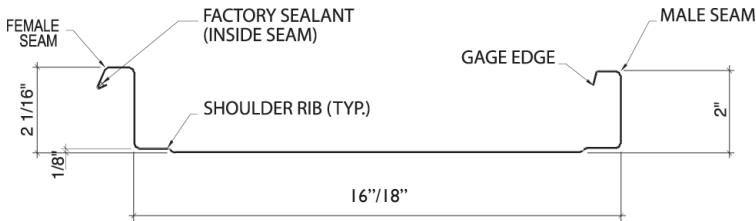




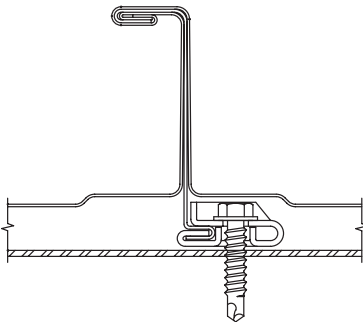
INNOVATION. NEW TECHNOLOGY.
BETTER PRODUCTS.

Platinum Series Standing Seam Roof System

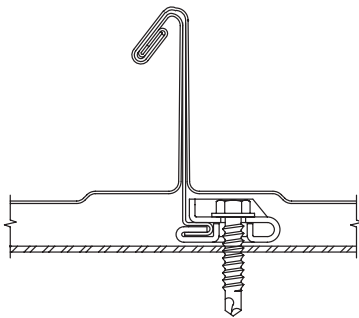
PERFORMANCE, BEAUTY & VALUE



Rigid's Platinum Series is a revolutionary patented standing seam roof system that incorporates two unique seams. The Triple-Lok seam for normal wind speeds and the Quad-Lok for coastal areas and other high wind speed zones.



TRIPLE-LOK



QUAD-LOK

The Platinum Series incorporates a double seam, double hook side lap design to resist seam failure between supports and side lap unfurling and unzipping. It is a roof system with tremendous strength designed to withstand the most strenuous uplift testing and highest velocity wind speeds. Combine that with its aesthetic appeal which is a favorite of architects and building owners alike, and you have an unsurpassed panel in look and quality.

Available in all of Rigid's Spectralite 3000 Fluoropon 70%, Kynar 500/Hylar 5000 colors. The Platinum Series offers you a wide range of colors to enhance the beauty of your project and give you unsurpassed coating performance for continued beauty year after year.

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www.rigidbuilding.com

Utilizing a unique patented seam design that offers two lock seam features. The Triple-Lok and Quad-Lok. A revolutionary innovation that provides unparalleled performance from one profile.

The **Triple-Lok** seam is accomplished by seaming the entire seam with an electrical seamer. This seam will provide an allowable wind uplift loading of 56 psf.*

1. It's the only seam on the market to use the 360° + 90° seam, which:

- structurally isolates the seam from the effects of severe wind loading by placing load resisting bends between the seam and clip hook and the stresses of panel deflection.
- isolates the seam sealant from dislodgment or separation during severe wind loading, thereby assuring a water resistant seam throughout the life of the roof.

2. Fool-proof installation: all that is required is the placement of the electrical seaming machine on the seam to begin the seaming process. It's virtually impossible for the seamer to run off the seam until it comes to the end of the panel or is removed by the operator.

The **Quad-Lok** seam is accomplished by seaming special roof zones with an electrical seam, when required. This seam will provide an allowable uplift load of 64 psf*, (or 120 psf over 2'6" purlin spacing).

By using the Quad-Lok seam, the perimeter conditions of roofs in high wind coastal locations can resist wind loads without exterior clamps and brackets that most other roof systems require to meet the Zone III uplift loads.

The Quad-Lok seam is the only seam on the market that provides higher uplift resistance with 24 gauge panel than all other roof systems using 22 gauge panels.

* when seamed with a 24 gauge panel over 5'0" purlin spacing
All of the above seams and load tolerances are calculated in accordance with AISI using ASTM E 1592 tests.

The following recognized certifications and listings have been earned:

- Underwriters Laboratories UL-90 Classification Construction No. 506
- Factory Mutual Class 1-90 Listing
- ASTM E 1592 Uplift Test (two tests each span each gauge)
- ASTM E 1680 Air Infiltration
- ASTM E 1645 Water Leakage

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

Underwriters Laboratories Inc. Construction No. 506, 506A, 506B					
Rigid Building Systems roof with Triple-Lok and Quad-Lok seam					
Factory Mutual 447I Triple-Lok Test Results					
Rigid Building Systems roof with Triple-Lok or Quad-Lok seam					
FM Rating	Panel Width	Panel Gauge	Purlin Size	Purlin Gauge	Purlin Spacing
I-90	16"	24 ga.	8"	16 ga.	5'0"
I-90	18"	24 ga.	8"	16 ga.	5'0"
I-165	16"	22 ga.	8"	16 ga.	2'6"
I-165	18"	22 ga.	8"	16 ga.	2'6"
UL Construction No. 506					
Rigid Building Systems roof with Triple-Lok over Purlins					
UL Listing	Panel Width	Panel Gauge	Seam Type	Purlin Gauge	Purlin Spacing
UL-90	12"	24 ga.	Triple-Lok	16 ga.	5'0"
UL-90	16"	24 ga.	Triple-Lok	16 ga.	5'0"
UL-90	18"	24 ga.	Triple-Lok	16 ga.	5'0"
UL Construction No. 506A					
Rigid Building Systems roof with Triple-Lok over Steel Deck					
UL Listing	Panel Width	Panel Gauge	Seam Type	Purlin Gauge	Purlin Spacing
UL-90	12"	24 ga.	Triple-Lok	16 ga.	5'0"
UL-90	16"	24 ga.	Triple-Lok	16 ga.	5'0"
UL-90	18"	24 ga.	Triple-Lok	16 ga.	5'0"
UL Construction No. 506B					
Rigid Building Systems roof with Triple-Lok over Wood Deck					
UL Listing	Panel Width	Panel Gauge	Seam Type	Purlin Gauge	Purlin Spacing
UL-90	12"	24 ga.	Triple-Lok	16 ga.	5'0"
UL-90	16"	24 ga.	Triple-Lok	16 ga.	5'0"
UL-90	18"	24 ga.	Triple-Lok	16 ga.	5'0"
ASTM E 1592 Uplift Test Results					
Rigid Building Systems roof with Quad-Lok seam					
Purlin Spacing	Panel Width	Panel Gauge	Design Load AISI CF00-1 (sf=1.724)		
2'6"	18"	22 ga.	110.3		
5'0"	18"	22 ga.	63.0		
2'6"	18"	24 ga.	94.5		
5'0"	18"	24 ga.	56.7		
2'6"	16"	22 ga.	116.6		
5'0"	16"	22 ga.	78.8		
2'6"	16"	24 ga.	97.7		
5'0"	16"	24 ga.	63.0		
ASTM E 1592 Uplift Test Results					
Rigid Building Systems roof with Triple-Lok seam					
Purlin Spacing	Panel Width	Panel Gauge	Design Load AISI CF00-1 (sf=1.724)		
2'6"	18"	22 ga.	94.5		
5'0"	18"	22 ga.	63.0		
2'6"	18"	24 ga.	82.7		
2'6"	18"	24 ga.	44.9		
5'0"	16"	22 ga.	104.0		
2'6"	16"	22 ga.	66.2		
2'6"	16"	24 ga.	79.4		
5'0"	16"	24 ga.	48.1		

ASTM E 1680 Air Infiltration all seams 18" wide panels = 0.014 CFM/sq. ft.
ASTM E 1645 Water Leakage seams 12", 16" & 18" wide panels = None at 12 psf