



a **NUCOR** company

# LOC SEAM<sup>®</sup>

Structural Standing Seam  
Vertical Rib Roof Panels





Nucor Building Systems' Loc Seam-90 and Loc Seam-360 Roof Systems are structural standing seam vertical rib roof panels that are perfect for architectural requirements in today's marketplace.

The seaming methods used in the Loc Seam-90 and Loc Seam-360 roof panels offer an attractive architectural system available both in Galvalume® and PVDF finishes as standard. Panels are installed with concealed fastener clips allowing for thermal movement, and mechanically seamed.

#### Loc Seam-90

Loc Seam-90 Roof System panel uses a weathertight 90-degree seam for a battened architectural aesthetic ideal for buildings with various roof conditions including hips and valleys, and easily accommodates complex roof geometries.

#### Loc Seam-360

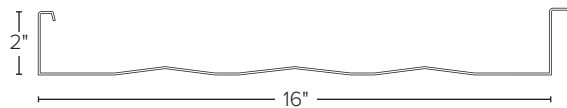
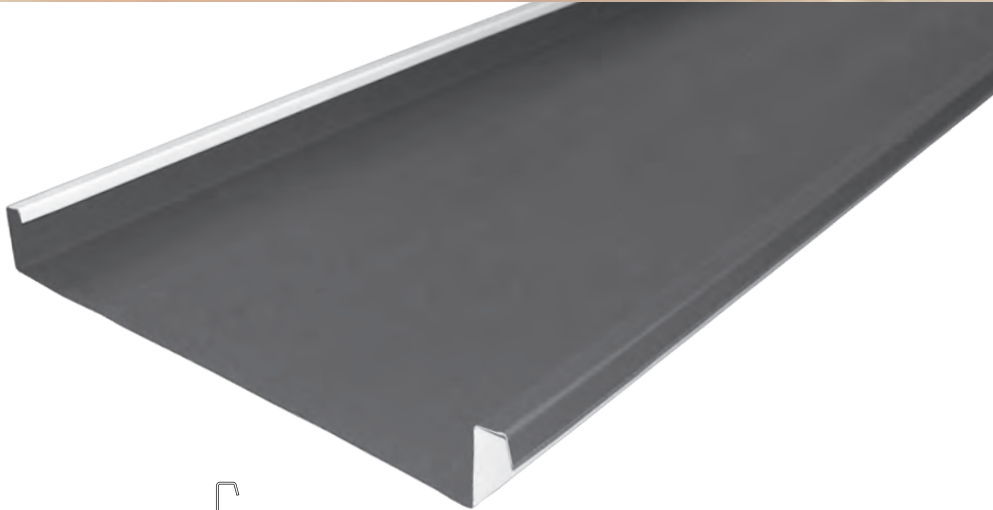
Loc Seam-360 Roof System features a full 360-degree rolled seam. With uninterrupted linear roof lines, Loc Seam-360 offers an even greater level of architectural design to provide a sleek, modern appearance. Designed to withstand the most extreme weather conditions, it offers exceptional performance and weathertightness.



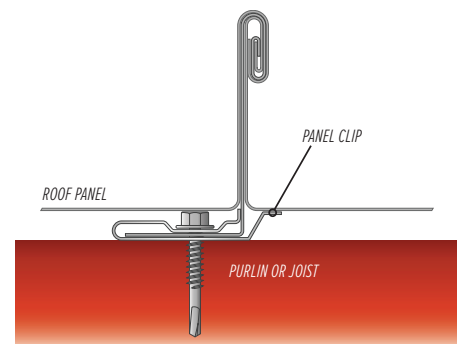
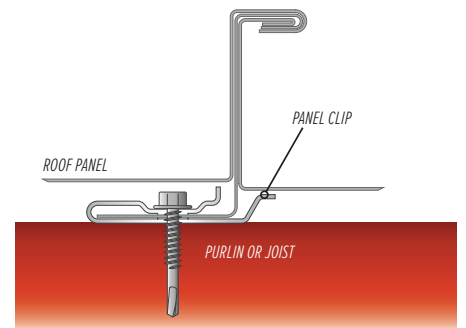
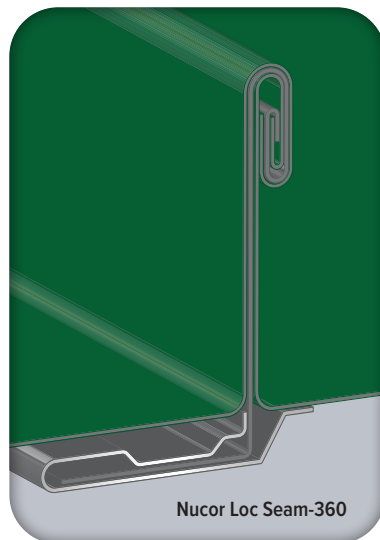
# Product Specifications & Details



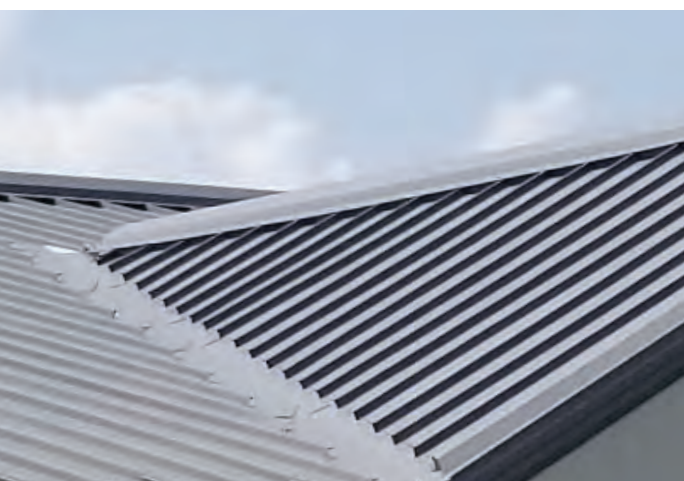
- Rib height: 2"
- Cover width: 16"
- Factory sealant applied along female rib
- Minor striations to help reduce "oil canning"
- Galvalume or painted PVDF finishes
- Standard 24 ga. material (22 ga. available)
- Mechanically seamed for weathertight installation
- Panel installed with concealed fastener clips that allow for thermal movement
- 1/4:12 Minimum roof slope required



## Seaming Options



# Performance & Testing



When it comes to performance, few roof systems compare to the Nucor's standing seam roof panels. Both Loc Seam-90 and Loc Seam-360 achieved a Class 90 Wind Uplift rating by Underwriters Laboratories when tested in accordance with test procedure UL 580. The Loc Seam-360 is also Factory Mutual approved and both systems have Class A fire ratings when tested in accordance with test procedures ASTM E108.

- AISI Gravity & Uplift Base Testing
- ASTM E108 Test Methods for Fire Tests of Roof Coverings
- ASTM E283 Test Method for Determining Air Leakage through Wall Systems
- ASTM E1592 Test Method for Wind Uplift Performance of Sheet Metal Roofing Systems
- ASTM E1646 Test Method for Water Penetration of Exterior Roof Systems
- ASTM E1680 Test Method for Rate of Air Leakage through Exterior Roof Systems
- FM Simulated Hail Damage Testing – Class SH Hail Resistance
- US Army Corps of Engineers Approved per CEGS 07416 test specification

Ratings	Ga.	Secondary	Max Spacing	Seam Option
Factory Mutual 1-60	24	Purlins/Joists	5'-0"	Loc Seam-360
Factory Mutual 1-75	22	Purlins/Joists	5'-0"	Loc Seam-360
Factory Mutual 1-90	24	Purlins/Joists	3'-4"	Loc Seam-360
Factory Mutual 1-120	22	Purlins/Joists	5'-0"	Loc Seam-360
Factory Mutual 1-120	24	Purlins/Joists	2'-6"	Loc Seam-360
Factory Mutual 1-165	22	Purlins/Joists	2'-6"	Loc Seam-360
Factory Mutual 1-180	22	Purlins/Joists	2'-6"	Loc Seam-360
UL90®	24	Purlins/Joists	5'-0"	Loc Seam-90/Loc Seam-360
FL Approval*	24	Purlins/Joists	5'-0"	Loc Seam-90/Loc Seam-360
Miami Dade*	22	Purlins/Joists	5'-0"	Loc Seam-360

\*Special conditions apply. Contact your local plant for more information.





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