KIRBY BUILDING SYSTEMS

a NUCOR company

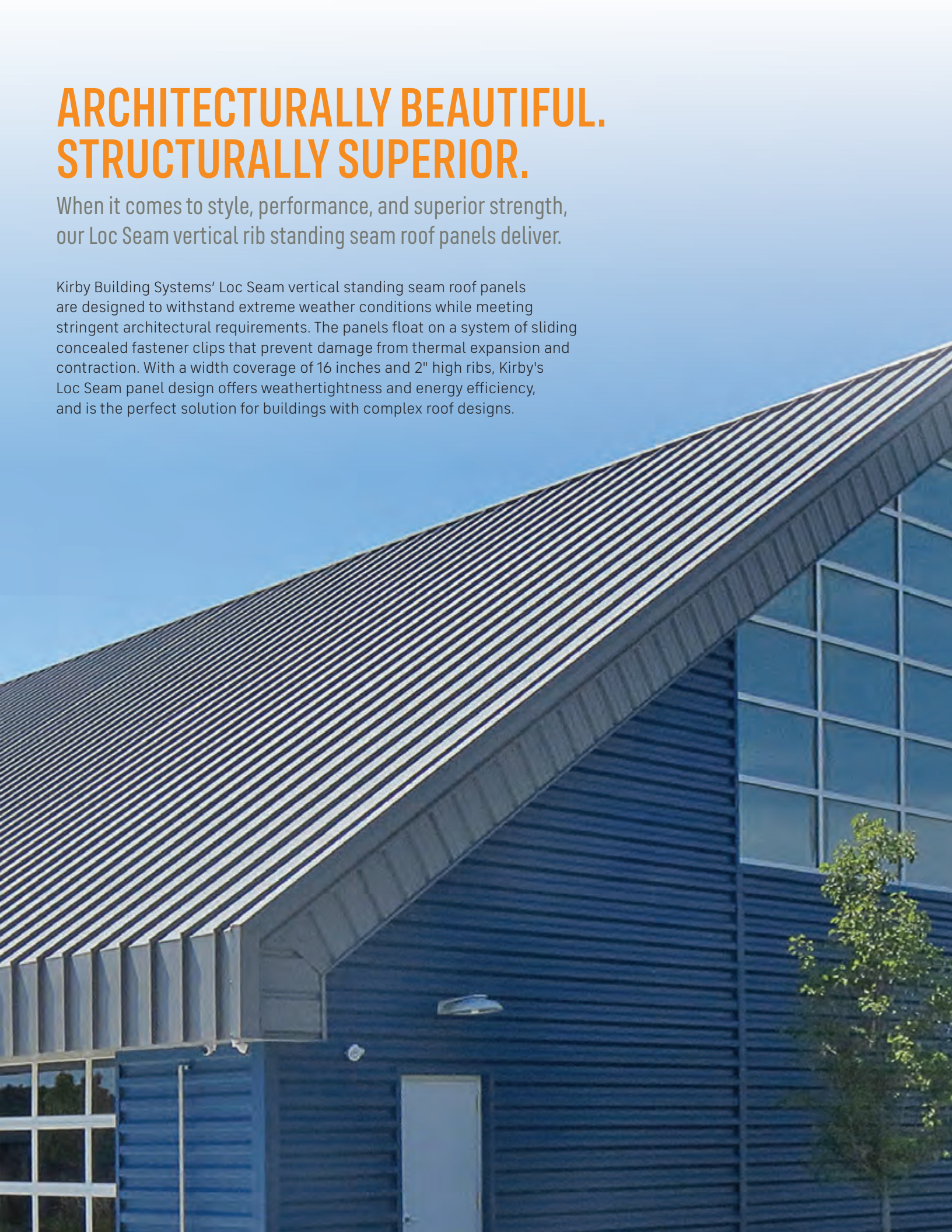
LOC SEAM®

Structural Standing Seam Vertical Rib Roof Panels

ARCHITECTURALLY BEAUTIFUL. STRUCTURALLY SUPERIOR.

When it comes to style, performance, and superior strength, our Loc Seam vertical rib standing seam roof panels deliver.

Kirby Building Systems' Loc Seam vertical standing seam roof panels are designed to withstand extreme weather conditions while meeting stringent architectural requirements. The panels float on a system of sliding concealed fastener clips that prevent damage from thermal expansion and contraction. With a width coverage of 16 inches and 2" high ribs, Kirby's Loc Seam panel design offers weathertightness and energy efficiency, and is the perfect solution for buildings with complex roof designs.



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LOC SEAM

Kirby's Loc Seam-90 and Loc Seam-360 Roof Systems are the perfect choice for your next building project.

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 then 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.

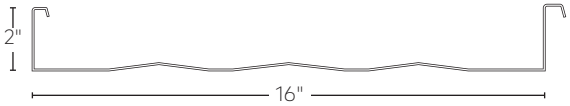
LOC SEAM-360

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.

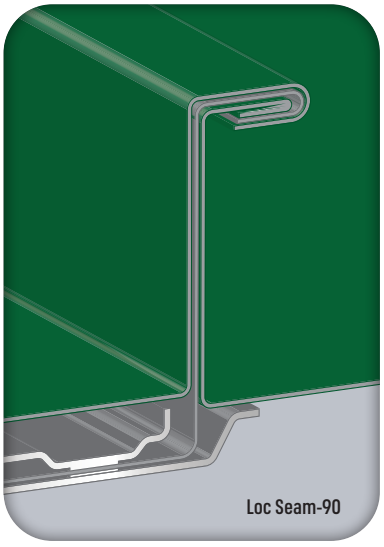
Galvalume® is a registered trademark of BIEC International, Inc.

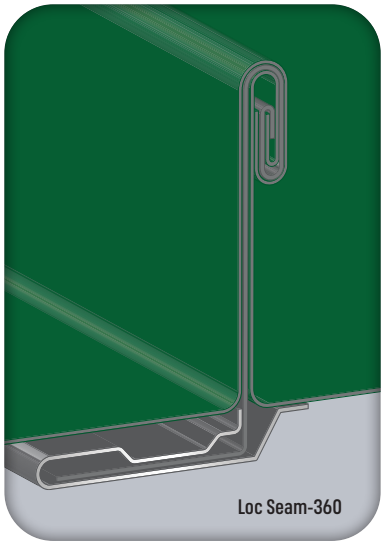
Product Specifications & Details

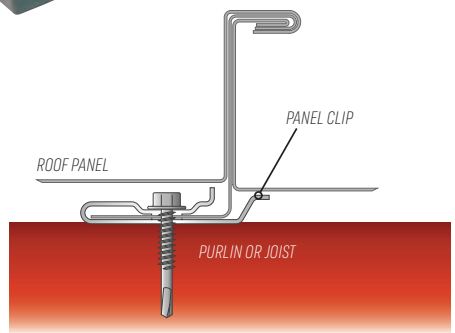
- Rib height: 2"
- Cover width: 16"
- 1/4:12 Minimum roof slope required
- Factory sealant applied along female rib
- Minor striations to help reduce "oil canning"
- Galvalume or painted PVDF finishes standard
- Standard 24 ga. material (22 ga. available)
- Mechanically seamed for weathertight installation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

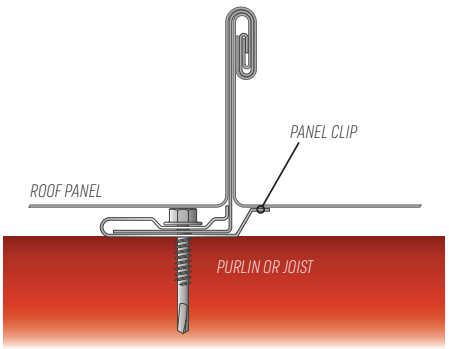


LOC SEAM Seaming Options









Performance & Testing

When it comes to performance, few roof systems compare to Kirby'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.

- ASTM E108 Test Methods for Fire Tests of Roof Coverings – Class A
- 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
- ASTM E2140 Test Method for Water Penetration of Metal Roof Panel Systems by Static Water Head
- FM 4471 Class 1 Approval
- UL 580 Class 90 Approval (Const. No's 331, 332 and 336)
- State of Florida Product Approval
- Miami-Dade County Approved
- SREF (SSTD-97) Impact Testing

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

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kirbybuildingsystems.com

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