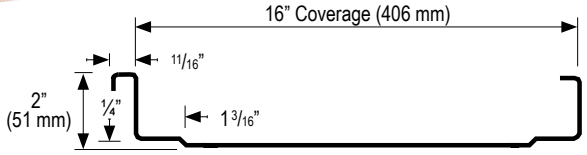
Berridge Curved Zee-Lock

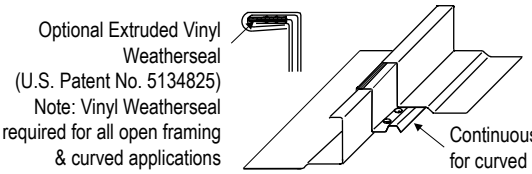
Architectural/Structural curved standing seam roof system. For use over open purlin framing or solid sheathing.

- **Available in 24 & 22 gauge steel**
- **Extruded patented vinyl weatherseal**
- **Mechanically seamed, 90° sidelap**
- **2” high standing seam**
- **20’ minimum radius (90° seam)**
- **Optional striated profile available**
- **UL 90 wind uplift & UL fire resistance listed**
- **ASTM air & water resistance tested**
- **ASTM E-1592 & UL 580 tested**
- **ASTM E-2140 tested**
- **Corps of Engineers CEGS 07416 approved**
- **Miami-Dade Approved**
- **Florida Product Approval**
- **ICC-ES Report ESR-3486**
- **Continuous lengths when site-formed with SP-21 portable roll-former**
- **Site-curved with ZC-21 curving machine**

Curved Zee-Lock shown with snow retention system by others.



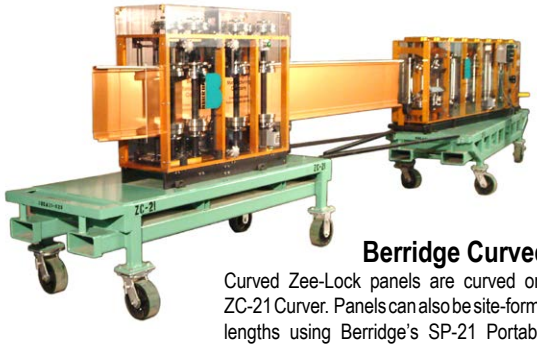
ZEE-LOCK PANEL CROSS-SECTION



ZEE-LOCK PANEL ASSEMBLY

ZEE-LOCK SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
ZEE-LOCK	I_x (in⁴/ft)	M_A (ft-lbs/ft)	V_A (lbs/ft)
Positive Bending	0.1525	184.65	990
Negative Bending	0.1031	161.33	990

NOTES: Zee-Lock Panel with continuous 24 GA Zee-Rib.
Values based on 1996 edition of AISI and good engineering practice.



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Curved Zee-Lock panels are curved on-site using the ZC-21 Curver. Panels can also be site-formed in continuous lengths using Berridge’s SP-21 Portable Roll Former.

SPECIFICATIONS

(Complete specifications available at www.berridge.com)

PRODUCT:
Furnish and install Berridge Zee-Lock Standing Seam System as manufactured by Berridge Manufacturing Company, San Antonio, Texas.

MANUFACTURE:
Zee-Lock provides a 16” coverage with a 2” seam height (vinyl weatherseal factory-applied to continuous zee-rib is available, panel seams are mechanically seamed in the field). Panel is available from the factory in continuous lengths to a maximum of 40’-0”. Panel may be field roll formed to virtually unlimited lengths with Berridge SP-21 Portable Roll Former. Single locked panels may be field curved to a minimum radius of 20’-0” with the ZC-21 Portable Curving Machine.

WEATHERTIGHTNESS:
Certification shall be submitted, based on independent testing laboratory, indicating no measurable air or water penetration through the seam assembly in accordance with ASTM E 1680 and E 1646.

ENGINEERING:
Acceptable installation design over engineered open framing or solid structural sheathing. Where required, panel assemblies can be constructed to meet Underwriter’s Laboratory UL 90 pursuant to Construction Numbers 312, 335 and 403. Additional UL fire rated assemblies reference Berridge website.

MATERIALS, FINISH INFORMATION & CONSTRUCTION DETAILS:
Reference website: www.berridge.com

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