BERRIDGE
MANUFACTURING COMPANY

FREEDOM OF FORM IN ARCHITECTURAL METAL SYSTEMS

Roofs • Facades • Soffits • Mansards
Walls • Ceilings • Equipment Screens • Restoration

Berridge exclusive on-site fabrication technology provides:

Custom Contoured Panels
Curved Barrel Vault Panels
Tapered Panels
Compound Curved Panels
Long Length Panels

For Technical Assistance call:
1•800•231•8127
For Sales Assistance call:
1•800•669-0009
www.berridge.com

INTRODUCTION AND SERVICE

Berridge Manufacturing Company has been in business for more than thirty years and distributes its products worldwide. Berridge specializes in research and development of new architectural sheet metal products. Many similar products listed in Sweet's Catalog have been designed and developed by Berridge Manufacturing Company. The unique ***Berridge Total Program***, which includes a full range of precision tolerance portable roll forming machines, painted coil and flat sheet, twenty-nine different factory products, all backed by technical and marketing support, has placed Berridge in the forefront of the architectural metal panel industry.

In response to market demand, Berridge Manufacturing Company has developed historic reconstruction building products for restoration of historical buildings. A complete line of residential roofing and siding products round out the product line, giving Berridge the most complete and comprehensive line of architectural metal products in the industry.

Shop drawings and suggested installation details for all Berridge Products are available upon request. Call Toll-Free 1-800-231-8127 to our headquarters for additional information, budget figures or firm quotations. Details and specifications may also be found on Berridge's web site: www.berridge.com.

All Berridge Metals and Finishes are available in Flat Sheet or Coil for purchase by sheet metal companies. If the architect desires on-site or local fabrication, he or she may specify the Berridge metal color and finish.

EQUIPMENT

Berridge products are produced on modern high production equipment which provides a low-cost, top-quality product for the consumer. The versatile equipment can manufacture products from either prefinished metal or unfinished metal, which gives the architect the freedom to specify any material or finish to fit project budget requirements.

Highly specialized Berridge manufacturing equipment converts large bare Galvalume® and galvanized steel coils into pretreated, prefinished, high quality fabricated architectural sheet metal products. Berridge equipment includes: continuous coil coating line; slitting line; cut-to-length line; roll-formers; mechanical and hydraulic pressbrakes; punch presses; stamping and bending fixtures and a variety of special dies. This complete line of in-house equipment produces top quality products at the most competitive prices and assures prompt delivery.

PORTABLE ROLL-FORMER PROGRAM

In 1984, Berridge revolutionized the architectural metal panel industry with the introduction of the Model SS-14 Portable Roll Former. This unique machine is designed to not only roll continuous length straight standing seam panels but also curved. Today, over 10 different panels may be formed on-site using Berridge Portable Roll Formers.

Beautiful Curved Panel Applications are possible with the Berridge Portable Roll-Former

Berridge offers ten different precision tolerance portable roll formers for site-forming of long, continuous-length standing seam roof and other panels.

The Unique Patented Berridge Vinyl WeatherSeal which is used on all standing seam and the Bermuda Panel systems provides extra watertight integrity.

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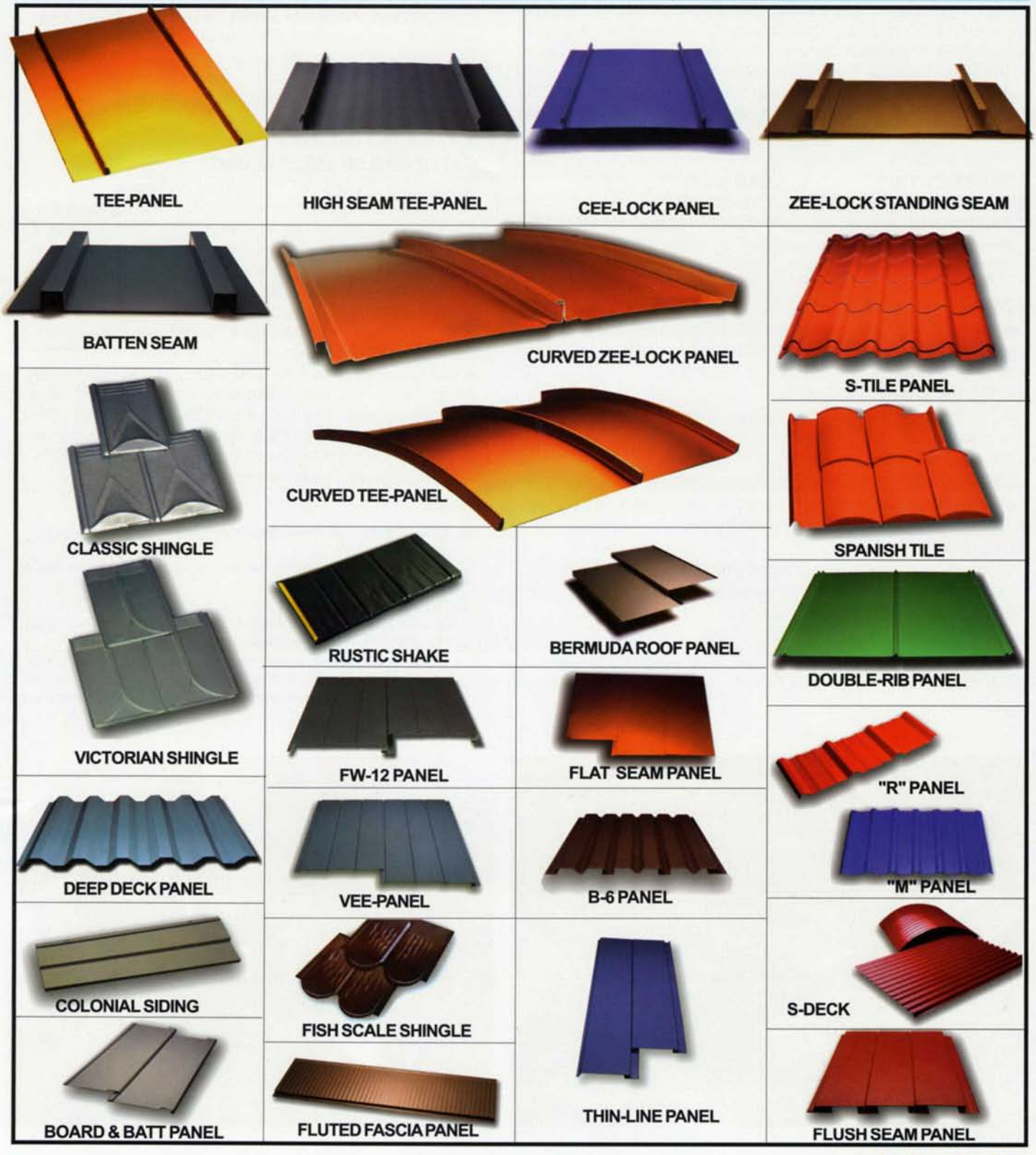


KYNAR 500® OR HYLAR 5000™ COLORS (STANDARD)

All colors applied by Berridge are premium fluoropolymer coatings produced with full strength Kynar 500® or Hylar 5000™ resin. Kynar 500® or Hylar 5000™ affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. Full-strength Kynar 500® or Hylar 5000™ color finishes carry a twenty year guarantee against cracking, peeling and fading (not to exceed 5 N.B.S. units). These are the highest quality exterior finishes available!

BERRIDGE METALLIC FINISHES*

All Berridge metallic colors are completely processed and finished on Berridge Continuous Coil Coating Lines and are proprietary finishes of Berridge Manufacturing Company which are available on all Berridge products. These finishes are also available in sheet and coil form to all Sheet Metal Companies for local fabrication if the architect prefers special profiles, shapes or flashing. These finishes include:

COPPER-COTE™
ANTIQUE COPPER-COTE
CHAMPAGNE
LEAD-COTE™
ZINC-COTE™
PREWEATHERED GALVALUME®

* *Berridge Metallic Finishesare premium colors which require a nominal surcharge*

COPPER-COTE™

Copper-Cote™ is a fluoropolymer finish which offers the rich warm beauty of bright, new copper, combined with the high strength and economy of steel.

ANTIQUE COPPER-COTE

Antique Copper-Cote is a fluoropolymer finish which offers the authentic appearance of patina copper, combined with the high strength and economy of steel.

LEAD-COTE™Lead-Cote™ is a fluoropolymer finish which offers the appearance of soft pewter. It is extremely versatile in that it can be accented with any trim or extrusion color.

ZINC-COTE™

Zinc-Cote™ is a fluoropolymer finish which provides a bright silver zinc appearance. It is extremely versatile in that it can be used on roof, wall or trim areas.

CHAMPAGNE

Champagne is a fluoropolymer finish with a warm metallic hue which is quite popular for roof, fascia, mansard or other applications.

PREWEATHERED GALVALUME®

Preweathered Galvalume® is a fluoropolymer finish which simulates the dark zinc appearance of weathered bare Galvalume®.

PREFINISHED METAL - GALVANIZED STEEL AND GALVALUME®

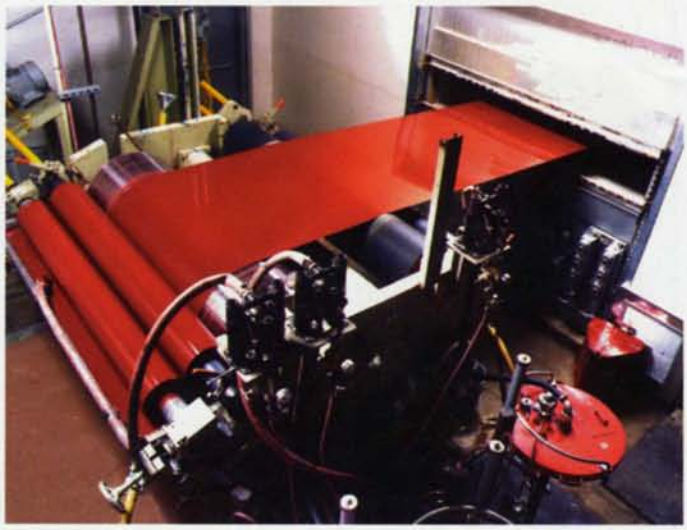
Prefinished Berridge products are fabricated from either pretreated G-90 galvanized steel or pretreated Galvalume® steel coils. All coatings are applied at the factory on the Berridge Continuous Coil Coating Line which pretreats the metal, applies primer coat, finish coat, a Parchment backer to the reverse side and a strippable plastic film coating. The strippable plastic film is applied to the painted surface for protection during fabrication and shipment and must be removed before field installation.

NATURAL FINISHES - SATIN FINISH GALVALUME®

Satin Finish Galvalume® is standard unfinished metal coil from steel mills that is pretreated on the Berridge Continuous Coil Coating Line to remove mill oils, chemicals and residue, which provides final uniformity of appearance. In the process, the coil is coated on the back side with a Parchment backer to inhibit corrosion and the top side receives a clear plastic strippable film that must be removed before installation of the product. The clean surface, which has a new appearance characterized by a small, flat spangle, is now allowed to weather and darken quickly and more evenly because all mill treatment has been removed from the metal surface. The Satin Finish Galvalume® coating of aluminum and zinc offers the inert protection of aluminum and the galvanic protection of zinc and therefore, has the best longevity and weatherability.

NOTES:

1. *Special Colors and Finishes are available. Please consult Berridge for pricing and delivery.*
2. *Berridge Metallic finishes are premium finishes and require a nominal surcharge.*
3. *Galvalume® is a registered trademark of BIEC International, Inc.*
4. *Kynar500® is a registered trademark of Elf Atochem North America, Inc.*
5. *Hylar 5000™ is a registered trademark of Ausimont, USA*.*
   **Note: In 1990, Ausimont purchased one of two Kynar PVDF manufacturing facilities. The Hylar 5000™ product remains unchanged from the Kynar500® resin previously produced at that facility. Both finishes are 70% full-strength PVDF.*



Berridge owns and operates its own modern continuous coil coating lines.

BERRIDGE COLOR FINISHES

Berridge Manufacturing Co.

STANDARD COLORS

BUCKSKIN | PARCHMENT

AGED BRONZE | SHASTA WHITE | FOREST GREEN | PATINA GREEN | SIERRA TAN

MEDIUM BRONZE | CHARCOAL GREY | HEMLOCK GREEN | BRISTOL BLUE | TERRA-COTTA

DARK BRONZE | ZINC GREY | HARTFORD GREEN | ROYAL BLUE | COLONIAL RED

COPPER BROWN | MATTE BLACK | TEAL GREEN | BURGUNDY | DEEP RED

PREMIUM COLOR*

* This Berridge Premium Color requires a nominal surcharge.

AWARD BLUE

METALLIC COLORS*

* Berridge Metallic Colors are premium finishes which require a nominal surcharge.

CHAMPAGNE | COPPER-COTE™ | ANTIQUE COPPER-COTE

NATURAL METAL FINISH

SATIN FINISH GALVALUME®

ZINC-COTE™ | LEAD-COTE™ | PREWEATHERED GALVALUME®

Berridge Satin Finish Galvalume® is pretreated to remove mill oils, chemicals and residue and coated on the back side to inhibit corrosion. The top side receives a clear plastic strippable film.

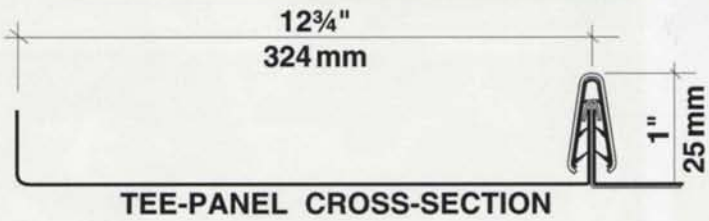
SEE US IN

The economical Berridge Tee-Panel, with its Patented Vinyl Weatherseal Snap-On Seam is one of the most popular Berridge Standing Seam Roof Panels. When formed on-site with the SS-14 Portable Roll Former, Tee-Panel has no endlaps.

Metal Standing Seam

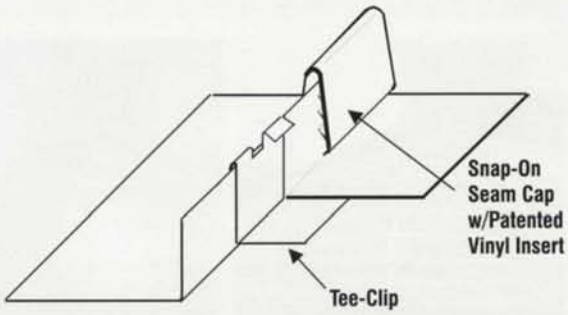
With exclusive patented vinyl weatherseal as an integral part of Snap-On Seam*. Prefinished or Satin Finish Galvalume for residential or commercial construction with solid sheathing.

- Hidden fasteners
- Extruded vinyl weatherseal as integral part of Snap-On Seam* to prevent siphoning or flooding over seam
- Eave to ridge lengths
- Narrow seam
- U.L. 90 & U.L. fire resistance listed
- ASTM air & water resistance tested
- ASTM E-1592 tested



TEE-PANEL CROSS-SECTION

*U. S. Patent No. 4641475



For specific job application recommendations, please contact Berridge Technical Department - 1-800-231-8127.

MAY BE SITE-FORMED IN CONTINUOUS LENGTHS WITH BERRIDGE ROLL FORMER

A dramatic visual effect is achieved by combining straight vertical and curved barrel vault Berridge Tee-Panel.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Tee-Panel Standing Seam System as manufactured by Berridge Manufacturing Company, San Antonio, Texas.

MANUFACTURE:

Panels shall have 12-¾ " coverage . Panels and seams shall be roll-formed in continuous lengths (Maximum 40' or unlimited if panels formed on Berridge SS-14 portable roll former). Snap-on seams shall contain an extruded vinyl weather seal insert. Certification shall be submitted, based on independent testing laboratory, indicating no measurable air or water penetration through the standing seam system when tested in accordance with ASTM E 1680 and E 1646.

Where required, panel assembly shall be Underwriter's Laboratory U.L. 90, pursuant to Construction Number 296.

Roof deck must be solid sheathed and free of all objects which may puncture underlayment. Entire roof area must be covered with a minimum of one layer of number thirty roof felt and lapped horizontally starting at the eave.

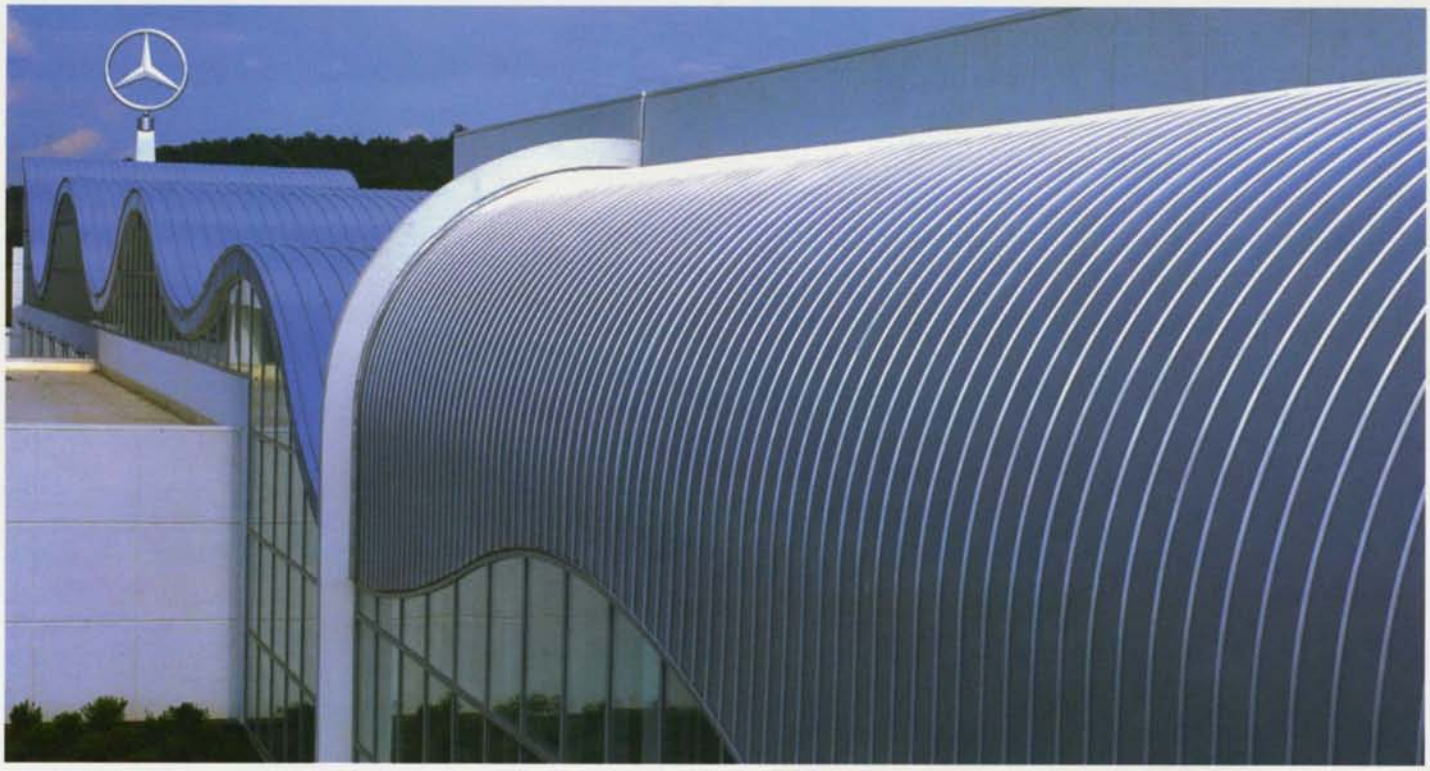
MATERIAL AND FINISH

(See "Specifications" on page 35)

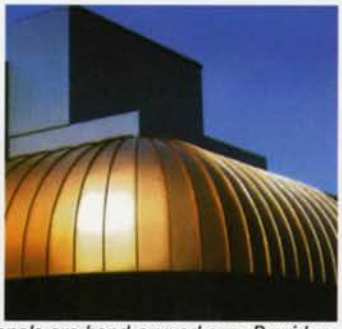
CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

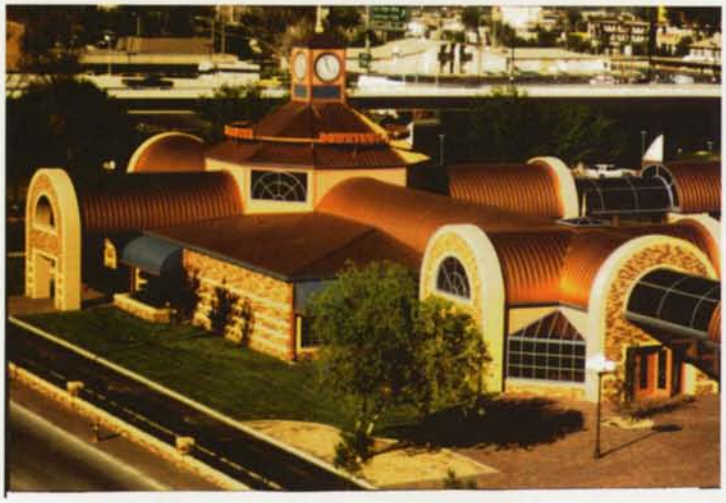
Roofs of Distinction
Berridge Manufacturing Co.



Precision roll formed on-site for a perfect fit with the Berridge SS-14 Portable Roll Former, Curved Tee-Panels are both extremely economical and strikingly attractive. The smooth, continuous curved barrel vault panels are perfect for roofs, covered walkways and fascia systems.



Free-form Compound Curved Tee-Panels are hand-curved over Berridge light-weight curved steel framing members.



Copper-Cote barrel vault roofs - there is no substitute for the quality appearance and durability of 24-gauge steel with Kynar 500® finish.

The Berridge Model SL-24 Portable Roll Former fabricates Tapered Tee Panels for a perfect fit on rounded corners.

Berridge Tapered, Curved, Compound Curved and Straight Panels blend harmoniously to provide a striking design statement.

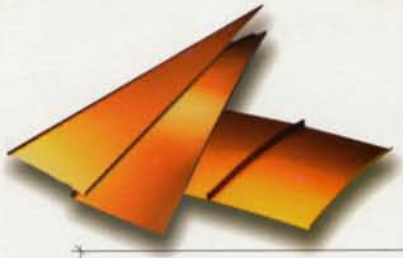
Berridge Curved, Compound Curved & Tapered Tee-Panel

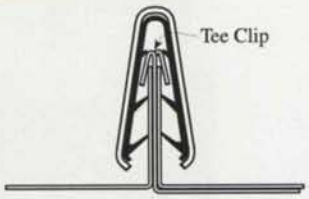
07610/BER
BuyLine 4950

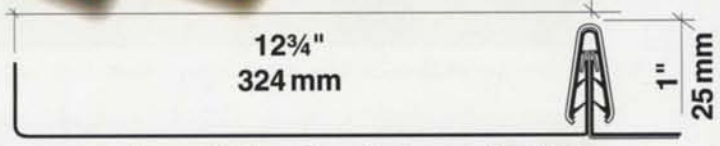
Curved or Tapered Metal Standing Seam with exclusive patented vinyl weatherseal as an integral part of Snap-On Seam*. Prefinished or Satin Finish Galvalume; concave or convex, curved or compound curved corner and domed roof construction with solid sheathing

- Hidden fasteners
- Extruded vinyl weatherseal as integral part of Snap-On Seam* to prevent siphoning or flooding over seam
- Continuous lengths
- Narrow seam
- UL. 90 & U.L. fire resistance listed
- ASTM air & water tested

CURVED TEE-PANELS ARE FORMED ON THE BERRIDGE SS-14; TAPERED TEE-PANELS ON THE SL-24; AND COMPOUND CURVED TEE-PANELS ON THE SL-1







Curved Tee-Panel Cross Section

Cutaway mockup assembly showing Berridge Curved Framing, "S" Deck (See Page 35) and roofing membrane. For Specific job application recommendations, please contact Berridge Technical Department - 1-800-231-8127

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Curved Tee-Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

Curved Tee-Panels with 12 3/4" on-center seam spacing shall be site formed to a _____radius (minimum 4') in continuous lengths from coil with the Berridge SS-14 Portable Roll-Former. Snap-On Seams shall be curved to a _____ radius to match roof panels on the Berridge SS-14 Portable Roll-Former. Snap-on Seams shall contain an extruded vinyl weather seal insert as an integral part of the seam. Certification shall be submitted, based on independent testing laboratory, indicating no measurable air or water penetration through the standing seam system when tested in accordance with ASTM E 1680 and E 1646.

Roof area must be solid sheathed with Berridge S-Deck or equal, laid horizontally with a maximum span of 4' (see "S"-deck load table) between supports. Entire roof area shall be covered with a minimum of one layer of Ice & Water Shield.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

Roofs of Distinction
Berridge Manufacturing Co.

SEE US IN SWEETS CATALOG FILES SWEETS GU SWEETS.COM

The Berridge High Seam Tee-Panel, with its seam spacing of 18-1/4" and 1-1/2" legs provides an attractive appearance for large roof expanses.

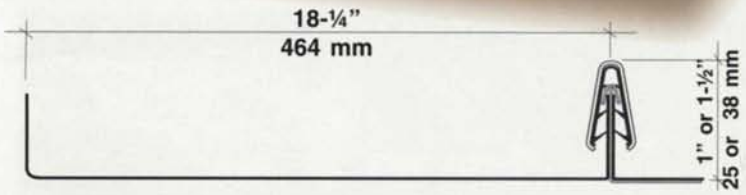
Berridge Straight or Curved High Seam Tee-Panel System

07610/BER
BuyLine 4950

Metal Standing Seam Roof Systems

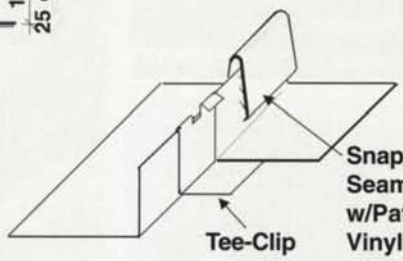
With exclusive patented Vinyl Weather Seal as integral part of Snap-On Seam*. Prefinished or Satin Finish Galvalume for residential or commercial construction with solid sheathing

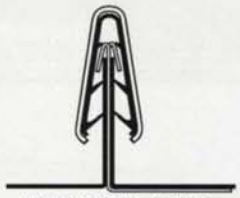
- Hidden Fasteners
- Extruded Vinyl Weatherseal as integral part of Snap-OnSeam to prevent siphoning or flooding over seam
- Eave to ridge lengths
- Narrow High Seam
- U.L. 90 & U.L. Fire Resistance Listed
- ASTM air & water resistance tested
- ASTM E-1592 tested



(Shown with Striations which are available)

BOTH STRAIGHT AND CURVED HIGH SEAM TEE-PANELS MAY BE FORMED ON SITE WITH THE BERRIDGE MODEL SS-1421 PORTABLE ROLL FORMER





*U.S. PATENT NO. 4641475

For specific job application recommendations, please contact Berridge Technical Department - 1-800-231-8127

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge High Seam Tee-Panel Standing Seam System as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

Panels shall be roll-formed in continuous lengths from coil with the Berridge SS-1421 Portable Roll-Former. Seam height shall be 1" or 1½" and seam spacing shall be 18-1/4" on-center. Snap-on seams shall contain an extruded vinyl weather seal insert. Certification shall be submitted, based on independent testing laboratory, indicating no measurable air or water penetration through the standing seam system when tested in accordance with ASTM E 1680 and E 1646. Where required, panel assembly shall be Underwriter's Laboratory U.L.90, pursuant to Construction Number 296 & 475. When curved, entire roof area shall be covered with a minimum of one layer of Ice & Water Shield.

MATERIAL AND FINISH

(See "Specifications" on Page 35)

CONSTRUCTION DETAILS

(See Page 35 and web site: www.berridge.com)

Roofs of Distinction
Berridge Manufacturing Co.

SEE US IN

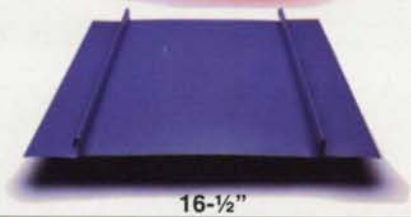
The Berridge Cee-Lock Standing Seam Roof System, with its integral snap lock seam and vinyl insert and 16-1/2" coverage, offers both aesthetic appearance and maximum economy. Cee-Lock may be site-formed with the Berridge Model CL-21 Portable Roll Former in long, continuous lengths with no endlaps.

Berridge Cee-Lock

07610/BER
BuyLine 4950

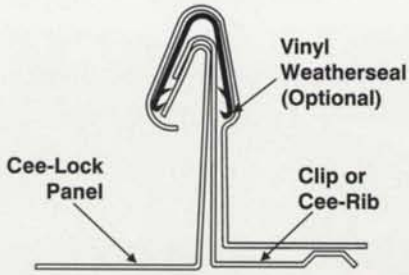
Snap-Lock Standing Seam Roof

- Spans over open framing or solid substrate
- Easy to install, integral Snap-Lock Seam
- U.L. 90 & U.L. fire resistance listed
- Hidden fasteners
- Continuous length panels
- Patented* vinyl weatherseal (optional)
- ASTM air & water tested
- ASTM E1592 tested
- Metro-Dade NOA Approved
- Florida Building Code Tested



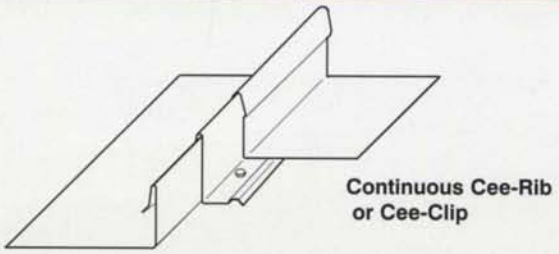
Cee-Lock Panel Cross Section

Integral Snap-Lock Seam
with Patented* Vinyl Weatherseal
(required over open framing)
** U.S. Patent No. 4641475*



SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
CEE-LOCK PANEL WITH CONTINUOUS 24 GA. CEE RIB	I_x (In⁴/ft)	M_A (Ft.-lbs/Ft.)	V_A (Lbs/Ft)
POSITIVE BENDING	0.0567	87.0	610
NEGATIVE BENDING	0.0286	61.9	610

NOTES
Values based on 1996 edition of AISI and good engineering practice.



For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

Berridge's Cee-Lockpanel can be formed on site in long lengths to provide an attractive and economical roof covering.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Cee-Lock Standing Seam Roof Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

Panels shall be roll-formed in continuous (Maximum 40') lengths (unlimited if formed on-site with the Berridge CL-21 Portable Roll-Former.) Seam spacing to be 16-½" on center. Certification shall be submitted, based on independent testing laboratory, indicating no measurable air or water penetration through the standing seam system when tested in accordance with ASTM E 1680 and E 1646. Where required, panel assembly shall be Underwriters Laboratory U.L. 90, pursuant to Construction Numbers 334, 381, 404 & 474. Approved for combined U.L. 90 and U.L. Fire-Rated requirements.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

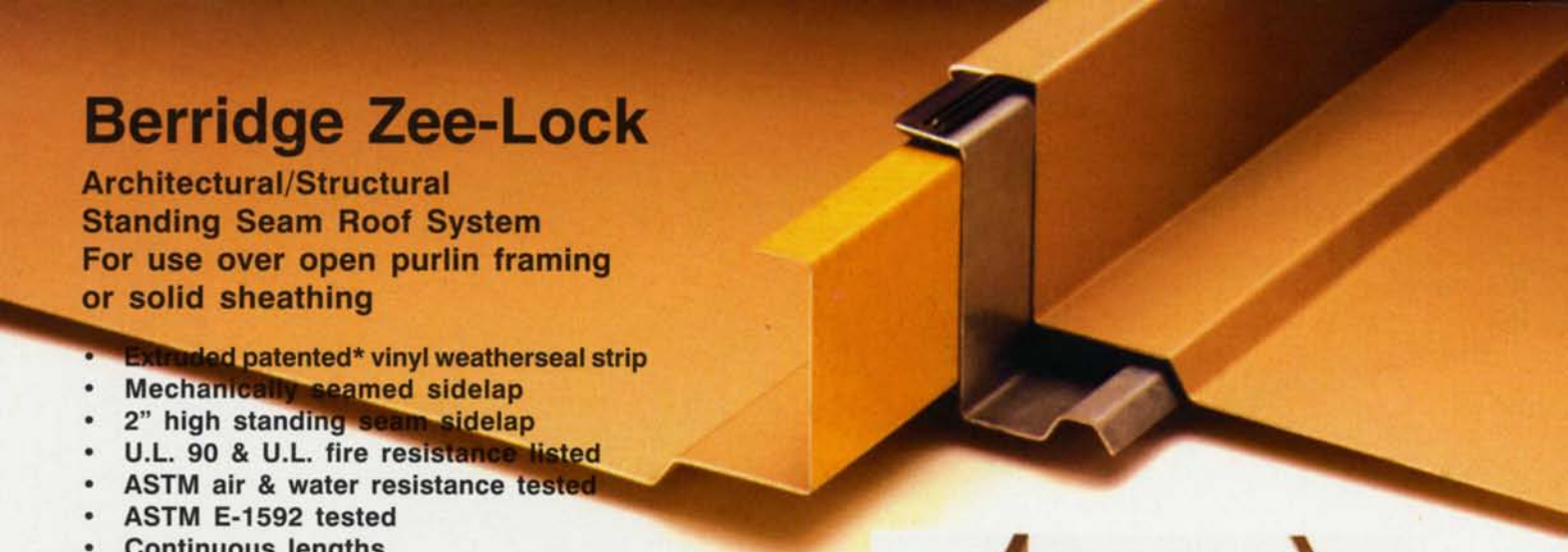
Roofs of Distinction
Berridge Manufacturing Co.

The Berridge Zee-Lock Standing Seam Roof System, with its 2" high leg, Patented Vinyl Weatherseal and machine-seamed sidelap, is the ideal choice for large, low-profile roofs over either open framing or solid substrate.

Berridge Zee-Lock can be curved to a minimum radius of 20' using the Berridge ZC-21 Curver machine. Both roll forming and curving of the panel may be done on-site.

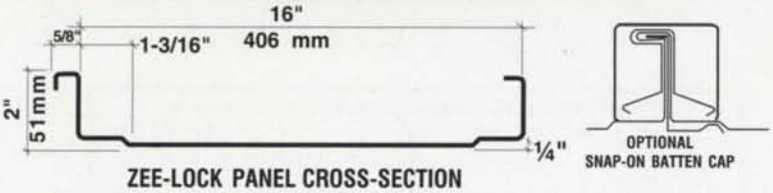
Berridge Zee-Lock

Architectural/Structural
Standing Seam Roof System
For use over open purlin framing or solid sheathing

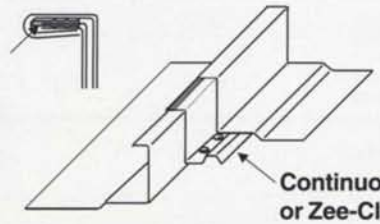


- Extruded patented* vinyl weatherseal strip
- Mechanically seamed sidelap
- 2" high standing seam sidelap
- U.L. 90 & U.L. fire resistance listed
- ASTM air & water resistance tested
- ASTM E-1592 tested
- Continuous lengths
- FMRC Approved & 1-120 Rated
- May be Double-Lock Seamed (consult Berridge)
- Corps of Engineers CEGS 07416 approved
- Metro-Dade NOA Approved
- Florida Building Code Tested
- Optional Striations available

MAY BE SITE-FORMED IN CONTINUOUS LENGTHS AND CURVED WITH BERRIDGE ROLL FORMER (RIGHT) & CURVER MACHINE (LEFT)



ZEE-LOCK PANEL CROSS-SECTION

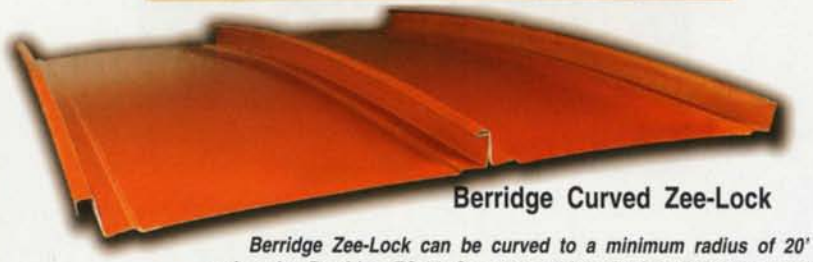


*Optional Extruded Vinyl Weatherseal (U.S. Patent No. 5134825) Note: Vinyl Weatherseal required for open framing applications

ZEE-LOCK PANEL ASSEMBLY

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

The Berridge Zee-Lock system combines structural properties with aesthetic appearance to meet even the most demanding design requirements.



Berridge Curved Zee-Lock

Berridge Zee-Lock can be curved to a minimum radius of 20' using the Berridge ZC-21 Curver machine. Both roll forming and curving of the panel may be done on-site.

Left: The Berridge Zee-Lock Double Lock Panel is FMRC 1-120 Rated

SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
ZEE-LOCK PANEL WITH CONTINUOUS 24 GA. ZEE RIB	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:

Values based on 1996 editionof AISI and good engineering practice.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Zee-Lock System as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE

Panels shall be roll-formed in continuous lengths (Max. 40' or continuous if Berridge SP-21 or SP-21-X Portable Roll-Former is used). Seam spacing shall be 16" on center. Single or Double Lock Seam to be formed with Berridge Seaming Machine. Where required, panel to be curved using Berridge Model ZC-21 Portable Curving Machine. Certification shall be submitted, based on independent testing laboratory, indicating no measurable air or water penetration through the standing seam system when tested in accordance with ASTM E 1680 and E 1646. Where required, panel assembly shall be Underwriter's Laboratory U.L. 90, pursuant to Construction No. 312, 335, 403 & 555.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

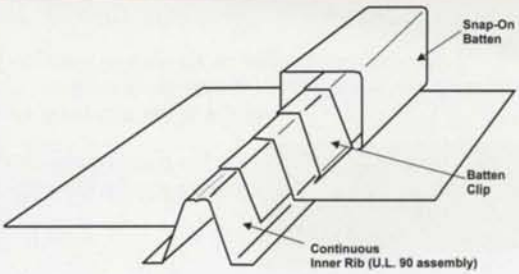
Roofs of Distinction
Berridge Manufacturing Co.

Berridge Batten Seam

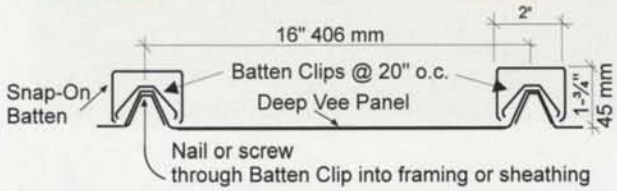
For use with Deep Vee Panel structural system or over solid sheathing

- Spans over open purlins
- Hidden fasteners
- Continuous lengths
- U.L. 90 & U.L. fire resistance listed

MAY BE SITE-FORMED IN CONTINUOUS LENGTHS WITH BERRIDGE MODEL BP-21ROLL-FORMER



Batten Seam Assembly



SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
BATTEN SEAM PANEL WITH CONTINUOUS 24 GA. INNER RIB	I_x (In⁴/ft)	M_A (Ft.-lbs/Ft.)	V_A (Lbs/Ft)
POSITIVE BENDING	0.1003	187.3	1320
NEGATIVE BENDING	0.0615	131.3	1320

NOTES:

Values based on 1996 edition of AISI and good engineering practice.

For specific job application recommendations, please contact Berridge Technical Department - 1-800-231-8127

The Berridge Batten Seam System offers both bold lines and structural performance.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Batten Seam System as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

Panels and Battens shall be roll-formed in continuous lengths (Maximum 40' or unlimited panel lengths if Berridge BP-21 Portable Roll-Former is used). Batten spacing shall be 16" on center. Where required, panel assembly shall be Underwriter's Laboratory U.L. 90, pursuant to Construction Number 262.

MATERIAL AND FINISH

(See "Specifications" on page 35)

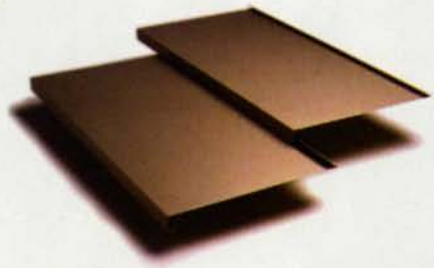
CONSTRUCTION DETAILS

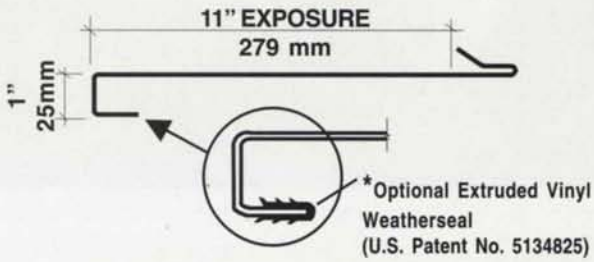
(See page 35 and web site: www.berridge.com)

Berridge Bermuda Roof System

Traditional Bermuda roof design in strong, 24-gauge steel. Continuous length panels for roof, fascia or mansard --- new installation or remodeling

- Strong horizontal lines
- Optional patented* vinyl weatherseal
- Smooth, stepped appearance
- Hidden fasteners
- Continuous length panels
- Optional "Wood Grain" embossed texture

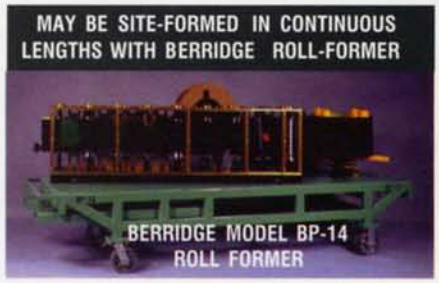




Bermuda Panel Cross Section

For specific job application recommendations, please contact Berridge Technical Department - 1-800-231-8127

The Berridge Bermuda Roof System provides strong horizontal lines and a smooth, stepped appearance.



SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Bermuda Roof Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

Panels shall be roll-formed in continuous (Maximum 40') lengths (unlimited if formed on-site with the Berridge BP-14 Portable Roll-Former.) Plank spacing exposure to be 11". Optional Vinyl Weatherseal to be installed during roll forming process. Where required, panel assembly shall be U.L. 90, pursuant to Construction Number 405.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

Roofs of Distinction
Berridge Manufacturing Co.

Three different special Kynar 500® colors were used on the Berridge Spanish Tile roof on the Aquatic Center shown above and upper right in order to create the desired appearance.

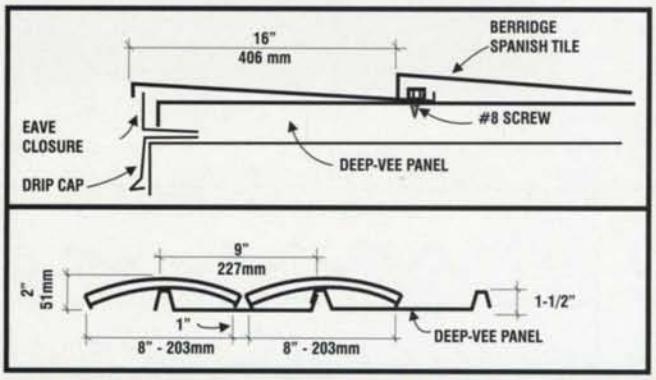
Berridge Spanish Tile

07610/BER
BuyLine 4950

Prefinished metal Spanish Tile System used with Deep-Vee Panel; Eliminates the need for solid sheathing and furring strips

- Stronger and lighter than clay tiles
- May be installed over open framework
- Available in all standard Berridge Kynar 500® or Hylar 5000™ finishes
- May be installed over old shingles or other roofing
- Hidden Fasteners

For specific job application recommendations, please contact Berridge Technical Department -- 1-800-231-8127



SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
SPANISH TILE	I_x (In⁴/ft.)	M_A (ft.-lbs/ft.)	V_A (lbs/Ft)
POSITIVE BENDING	0.1097	217.7	1100
NEGATIVE BENDING	0.0703	142.9	1100

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT Panel Weight = 2.7 p.s.f.						
SPAN	NET VERTICAL LIVE LOAD			NET VERTICAL WIND UPLIFT		
(Feet)	1-SPAN	2-SPAN	3-SPAN	1-SPAN	2-SPAN	3-SPAN
2.6' to 3'-0"	70	70	70	90	90	90
4'-0"	65	65	70	70	90	90
4'-6"		50	60		90	60
5'-0"		40	50		70	70

NOTES:
1. All loads meet L/240 Deflection Criteria.
2. Wind Load Allowable Stresses increased by 33%.
3. Values based on 1996 edition of AISI and good engineering practice.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Spanish Tile System as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

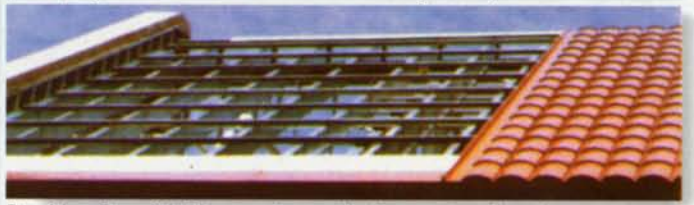
Deep-Vee panels shall be roll-formed in continuous (Maximum 40') lengths. Coverage to be 9" on center. Interlocking metal tiles shall be attached to the top of the crown on the Deep-Vee Panel with a number 8 TEK screw. Eave closures shall be used at the eave with each row of Spanish Tile.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)



Berridge Spanish Tile may be applied over open framing.

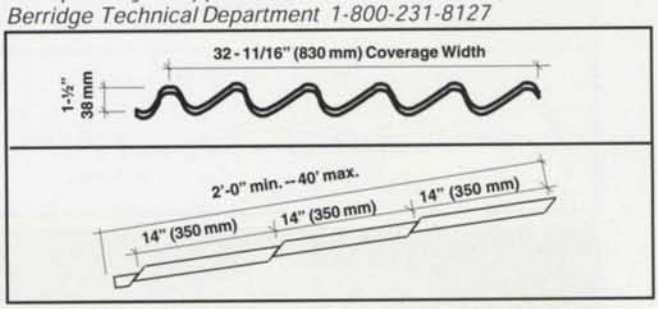
Berridge Spanish Tile is available in a wide variety of standard color finishes for virtually any application.

Berridge S-Tile

Prefinished metal S-Tile panels with a clean, crisp simulated tile appearance

- Continuous length eave-to-ridge panels up to 40' long for fast installation without endlaps
- Light weight: only 1.2 pounds per square foot
- Available in all standard Berridge Kynar 500® or Hylar 5000™ finishes
- May be installed over old shingles or other roofing
- Economical

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127



SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge S-Tile System as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

S-Tile panels shall be roll-formed in continuous (Maximum 40') lengths. Coverage to be 32-11/16". Panels shall be attached to the solid sheathing or furring strips max. 14" o.c. with #12 self drilling fasteners.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

Berridge Manufacturing Co.

Roofs of Distinction
Berridge Manufacturing Co.

Berridge Rustic Shake Shingles

Prefinished heavy gauge shingles with hidden fasteners for residential or commercial construction with solid sheathing

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

Rustic Shake shingles are appropriate for a wide variety of applications.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Rustic Shake Shingles as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

Each shingle shall have a one-inch thick butt with a shake texture and five shingle modules with a 12" by 24" exposure.

MATERIAL AND FINISH

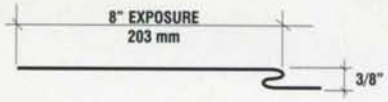
See "Specifications" on Page 35.

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

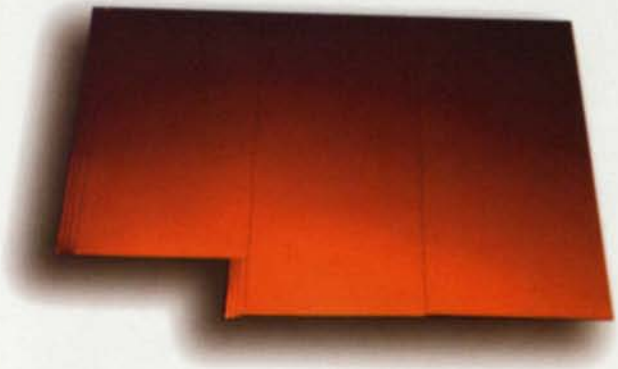
Berridge Curved Flat Seam Panel

Prefinished flat seam metal panel system with hidden fasteners for applications over curved surfaces on solid sheathing.



For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

Berridge Flat Seam provides a smooth appearance over solid-sheathed roof or soffit substrates.



Berridge Flat Seam is shipped flat and is hand curved on-site prior to installation over waterproofed solid substrate.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Flat Seam Panel as manufactured by Berridge Manufacturing Company, San Antonio, Texas.

MANUFACTURE:

Flat Seam Panels shall be roll formed in continuous lengths (Maximum 40'). Panel exposure shall be 8" on-center.

Roof area must be solid sheathed with Berridge S-Deck laid horizontally with a maximum span of 4' between supports. Entire roof area shall be covered with a minimum of one layer of Ice and Water Shield, starting at the eave.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

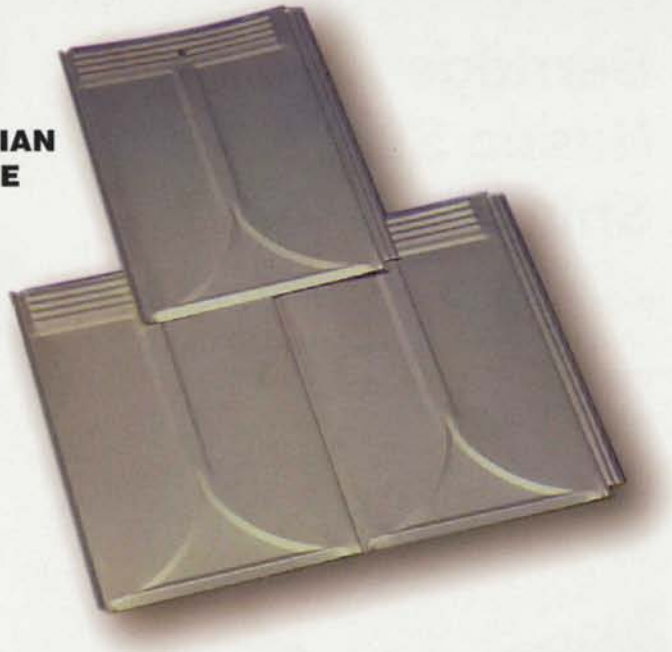
(See page 35 and web site: www.berridge.com)

Berridge Victorian & Classic Shingles

Prefinished Kynar 500® , Hylar 5000™ or Satin Finish Galvalume® shingle for restoration, residential and commercial construction with solid sheathing.

- **Traditional Appearance**
- **Hidden Fasteners**

VICTORIAN SHINGLE



For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

Berridge Classic Shingles faithfully replicate turn-of-the-century shingle patterns and designs.

CLASSIC SHINGLE

Classic or Victorian Shingles provide a unique texture for many applications.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Victorian or Classic Shingles as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:
Each shingle shall have a stamped design with a 9" x 12" exposure to the weather.

MATERIAL AND FINISH
(See "Specifications" on page 35)

CONSTRUCTION DETAILS
(See page 35 and web site: www.berridge.com)

Roofs of Distinction
Berridge Manufacturing Co.

SEE US IN SWEETS

Berridge Curved & Straight "S" Deck

Corrugated Structural Metal Sheathing

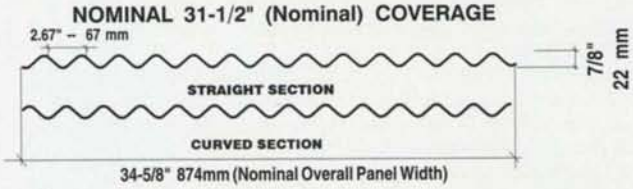
Berridge S-Deck May also be curved for Covered Walkways, Shelter Covers, etc.

- **Can be smoothly curved (must be curved at factory)**
- **Minimum 5' Radius**
- **Enhanced strength & rigidity**

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

Berridge"S" Deck may be used for either curved barrel vaultor straight substrate decking or sheathing.

NOMINAL 31-1/2" (Nominal) COVERAGE



34-5/8" 874mm (Nominal Overall Panel Width)

SECTION PROPERTIES

THICKNESS		WT.	FY	I_x	M_A
GAGE	INCHES (STEEL)	(PSF)	(KSI)	(IN^4/FT)	(FT-LBS/FT)
24	.0239	1.24	40	0.0326	144.9

ALLOWABLE UNIFORM LOADS (PSF)

THICKNESS (INCHES)	DEAD + LIVE LOAD (STRESS)					LIVE LOAD DEFL (L/240)				
	3'-0	3'-6	4'-0	4'-6	5'-0	3'-0	3'-6	4'-0	4'-6	5'-0
.0239	149	110	83	66	53	149	94	63	44	32

NOTES:

1. Section Properties and Allowable Stresses have been calculated in accordance with the 1996 AISI Specifications for the Design of Cold-Formed Steel Structural Members.
2. Panel steel conforms to ASTM 653/792 Grade C.
3. Values shown as allowable loads are based on panels covering three equal continuous spans. Multiply the values by 0.85 for two span dead & live load (stress).
4. The Panel weight has been deducted from the allowable load tables.
5. Shear Diaphragm Value = 200#/L.F.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge "S-Deck" Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:
Panels shall be roll formed in continuous lengths (maximum 40').

MATERIAL AND FINISH
(See "Specifications" on page 35)

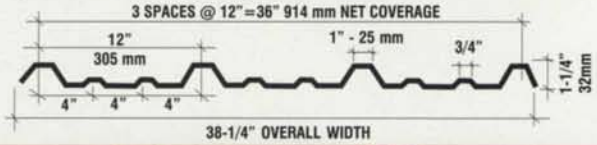
CONSTRUCTION DETAILS
(See page 35 and web site: www.berridge.com)

Roofs of Distinction
Berridge Manufacturing Co.

Berridge "R" Panel

Prefinished or Satin Finish Galvalume, wall, soffit, fascia, mansard, liner or equipment screen panel

- **U.L. 90 approved**
- **Spans over open purlins**



Berridge Manufacturing Co.

SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
"R" PANEL	I_x (In⁴/ft.)	M_A (ft.-lbs/ft.)	V_A (lbs/ft)
POSITIVE BENDING	0.0546	118.83	860
NEGATIVE BENDING	0.0530	112.34	860

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT
Panel Weight =1.3 p.s.f.

SPAN	NET VERTICAL LIVE LOAD			NET VERTICAL WIND UPLIFT		
(Feet)	1-SPAN	2-SPAN	3-SPAN	1-SPAN	2-SPAN	3-SPAN
3'-0"	70	70	70	90d	90	90
3'-6"	70	70	70	81d	90	90
4'-0"	54d	54	63	54d	75	87
4'-6"	38d	43	50	38d	59	68
5'-0"			40			54d

NOTES:
1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Wind Load Allowable Stresses increased by 33%.
3. Values based on 1996 edition of AISI and good engineering practice.

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge "R" Panel as manufactured by Berridge Manufacturing Company, San Antonio, Texas.

MANUFACTURE:

Panels shall be roll formed in continuous lengths (maximum 40'). Where required, Panel to bear Underwriter's Laboratory Label U.L.90, pursuant to Construction Numbers 30, 79, and 161.

MATERIAL AND FINISH

(See "Specifications" on page 35)

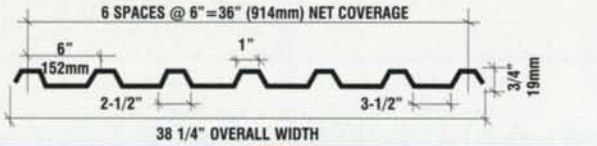
CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

Berridge "M" Panel

Prefinished or Satin Finish Galvalume roof, wall, soffit, fascia, mansard, liner or equipment screen panel

- **Wide, 3-foot coverage**
- **U.L. 90 approved**
- **Spans over open purlins**



SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
"M" PANEL	I_x (In⁴/ft.)	M_A (ft.-lbs/ft.)	V_A (lbs/ft)
POSITIVE BENDING	0.0277	106.96	1003
NEGATIVE BENDING	0.0224	97.84	1003

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT
Panel Weight = 1.3 p.s.f.

SPAN	NET VERTICAL LIVE LOAD			NET VERTICAL WIND UPLIFT		
(Feet)	1-SPAN	2-SPAN	3-SPAN	1-SPAN	2-SPAN	3-SPAN
2'-0"	70	70	70	90d	90	90
2'-8"	70	70	70	75d	90	90
3'-0"	66d	70	70	53d	90	90
3'-4"	47d	68	70	38d	90d	75d
4'-0"		47	52d		55d	43d

NOTES:
1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Wind Load Allowable Stresses increased by 33%.
3. Values based on 1996 edition of AISI and good engineering practice.

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge "M" Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

Panels shall be roll formed in continuous lengths (maximum 40'). Where required, Panel to bear Underwriter's Laboratory Label U.L.90, pursuant to Construction Number 39.

MATERIAL AND FINISH

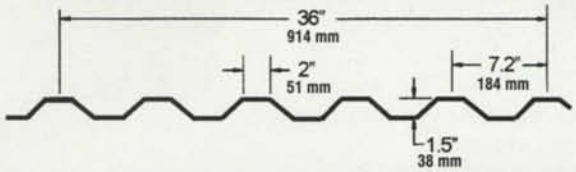
(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

Berridge Deep-Deck Roof , Deck & Wall Panel

- Wide, Economical 36" Coverage
- Vertical & Horizontal Applications
- Structural Properties
- Multi-Use Panel: Roof, Wall, Deck
- Purlin Bearing Leg standard
- 24 Ga. Standard, 22 Ga. Available



SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
DEEP DECK PANEL	I_x (In⁴/ft.)	S_x (In³/ft.)	M_A (In-kip/ft)
POSITIVE BENDING	0.1073	0.1218	2.92
NEGATIVE BENDING	0.1073	0.1218	2.92

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT Panel Weight =1.3 p.s.f.						
SPAN	NET VERTICAL LIVE LOAD			NET VERTICAL WIND UPLIFT		
	1-SPAN	2-SPAN	3-SPAN	1-SPAN	2-SPAN	3-SPAN
4'-0"	110d	120	141	110d	123	143
5'-0"	56d	135d	90	56d	79	92
6'-0"	33d	78d	61d	33d	78d	61d
7'-0"	20d	49d	39d	20d	49d	39d

NOTES:
1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Values based on 1996 edition of AISI and good engineering practice.
3. Consult BMC for additional loading information and for 22 Ga. load capacities.

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Deep-Deck Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

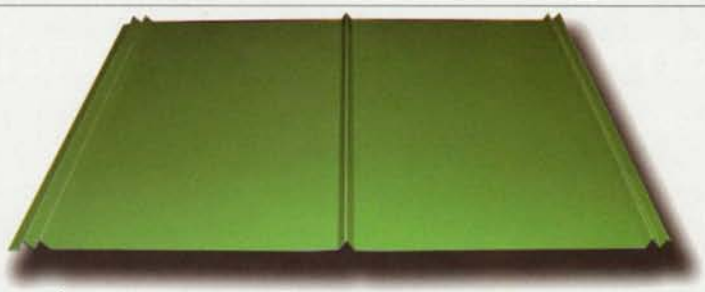
MANUFACTURE:
Panels shall be roll-formed in continuous (Maximum 40') lengths. Panel coverage width to be 36 inches.

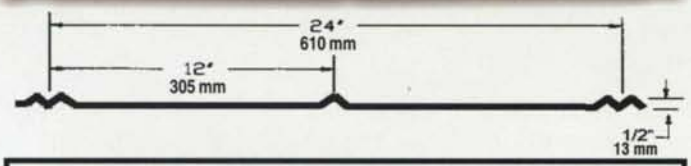
MATERIAL AND FINISH (See current Sweet's catalog - 07610/BER)

CONSTRUCTION DETAILS (See web site: www.berridge.com)

Berridge Double-Rib Roof Panel

- Strong, 24 Ga. Steel Standard
- Wide, Economical 24" Coverage
- Residential or Utility
- Traditional Appearance
- Solid Substrate





SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
DOUBLE-RIB PANEL	I_x (In⁴/ft.)	S_x (In³/ft.)	M_A (In-kip/ft)
POSITIVE BENDING	0.0021	0.0055	0.13
NEGATIVE BENDING	0.0017	0.0049	0.12

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT Panel Weight =1.3 p.s.f.						
SPAN	NET VERTICAL LIVE LOAD			NET VERTICAL WIND UPLIFT		
	1-SPAN	2-SPAN	3-SPAN	1-SPAN	2-SPAN	3-SPAN
1'-0"	88	77	90	113	79	105
1'-5"	38	34	40	33d	36	47
2'-0"	17d	18	22	14d	38d	27

NOTES:
1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Values based on 1996 edition of AISI and good engineering practice.

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Double-Rib Roof Panel as manufactured by Berridge Mfg.Co., San Antonio, TX

MANUFACTURE:
Panels shall be roll-formed in continuous (Maximum 40') lengths. Panel coverage width to be 24 inches.

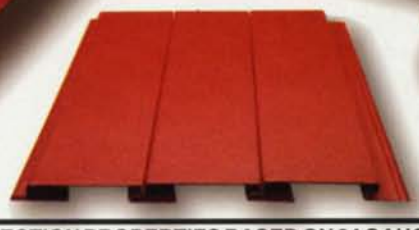
MATERIAL AND FINISH: (See current Sweet's catalog -07610/BER)

CONSTRUCTION DETAILS: (See web site: www.berridge.com)

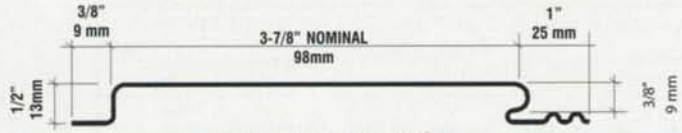
Berridge Flush Seam Panel

Soffit and facade system

With rigid embossed texture for soft, uniform reflectivity. Prefinished fascia or soffit panel for open spans to provide flat appearance.



- Spans over open framework or solid sheathing
- Hidden fasteners
- Flat appearance
- Multi-purpose panel
- Self-venting
- Optional "Wood Grain" embossed texture



SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Flush Seam Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE

Panels shall be roll formed in continuous lengths (maximum 40').

MATERIAL AND FINISH

Not available in either prefinished or Satin Finish Galvalume®

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
FLUSH SEAM PANEL	I_x (In⁴/ft.)	M_A (ft.-lbs/ft.)	V_A (lbs/ft)
POSITIVE BENDING	0.01206	79.8	516
NEGATIVE BENDING	0.01323	64.8	516

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT
Panel Weight =1.4 p.s.f.

SPAN (Feet)	POSITIVE WIND LOAD		
	1-SPAN	2-SPAN	3-SPAN
2'-6"	90	90	90
2'-8"	83	90	90
3'-0"	58	75	87
3'-6"	35	55	65
4'-0"	25	42	47d
4'-6"	17	34	32d
5'-0"	12	27d	24d
5'-6"		22d	18d
6'-0"		17d	14d

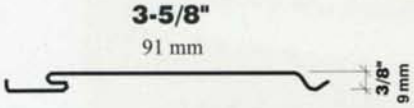
NOTES:
1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Wind Load Allowable Stresses increased by 33%.
3. Values based on 1996 edition of AISI and good engineering practice.

Berridge Thin-Line Panel

Fascia, Facade, Soffit & Wall Panel

Versatile, Maintenance-free, prefinished metal Fascia, Facade, Wall or Soffit Panels for Open Spans. Also used vertically for Facade, Fascia or Siding.

- Channel Drain Interlock
- Narrow, Strong panel
- Smooth Monolithic Appearance
- Hidden Fasteners
- Thin Extruded Appearance
- Use Horizontally for Soffit
- Use Vertically for Facade or Wall
- Optional "Wood Grain" or Stucco embossed texture



MAY BE SITE-FORMED IN CONTINUOUS LENGTHS WITH BERRIDGE ROLL FORMER

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Thin-Line Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE

Panels shall be roll-formed in continuous lengths (maximum 40' when factory-formed, longer when site-formed with TL-6 Portable Roll Former)

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

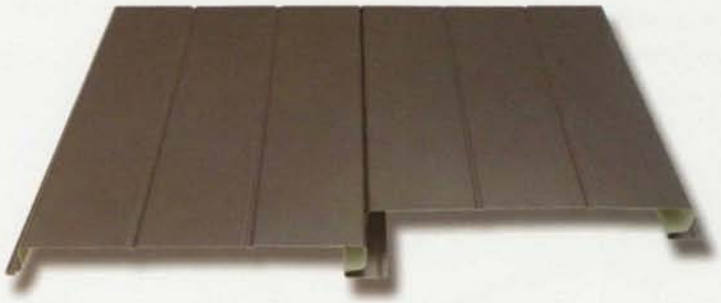
Roofs of Distinction
Berridge Manufacturing Co.

Berridge FW-12 & Vented FW-12 Panel

Wall, Liner or Soffit Panels
Versatile, maintenance-free, prefinished metal wall panels for open spans

- ***Hidden fasteners***
- ***Flush appearance***
- ***Multi-purpose panel***
- ***Available with or without grooves***
- ***Stucco Embossing (Recommended for Wall Applications)***

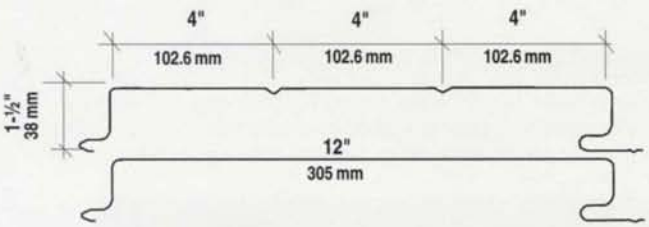
Note: The FW-12 Panel is recommended for vertical or soffit application only.



For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

Berridge FW-12 Panel's flush, concealed fastener appearance makes it a good choice for wall applications (Stucco embossing recommended for wall applications.)

Vented FW-12 Panel provides 10.01 square inches of Net Free Vent Area (NFVA) per square foot of panel. Note: Berridge Manufacturing Company does not recommend this product in applications subject to aggressive atmospheres, marine environments or high humidity due to the corrosive nature of these environments on raw edges of steel.



SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
FW-12 PANEL	I_x (In^4)	S_x (IN^3)	M_A (FT.Lbs)
POSITIVE BENDING	0.0922	0.0710	1.70
NEGATIVE BENDING	0.0582	0.0644	1.54

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT Panel Weight = 1.4 p.s.f.			
SPAN (Feet)	POSITIVE WIND LOAD		
	1-SPAN	2-SPAN	3-SPAN
4'-0	94	86	100
5'-0	48d	55	64
6'-0	28d	38	43d
7'-0	18d	28	27d
8'-0	12d	21	18d

NOTES:
1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Wind Load Allowable Stresses increased by 33%.
3. Values based on 1996 edition of AISI and good engineering practice.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge FW-12 Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE

Panels shall be roll-formed in continuous lengths (maximum 40'-0"). Vee-Groove spacing to be 4" on center.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

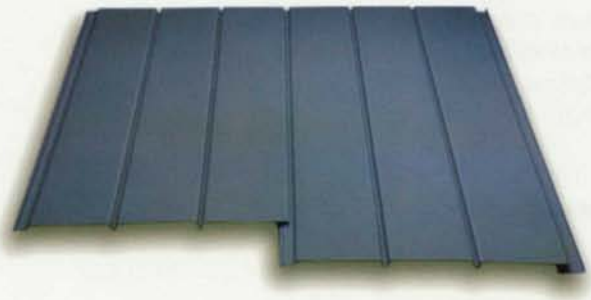
Berridge Vee-Panel & Vented Vee-Panel

Soffit, Wall & Facade System

Versatile, Maintenance-free, prefinished metal Soffit or Wall Panels for Open Spans. Also used vertically for Facade, Fascia or Siding.

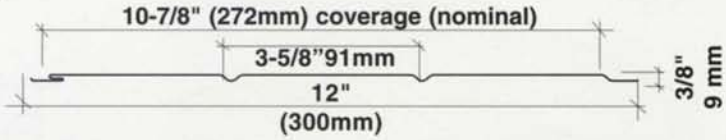
- **Open framing or solid sheathing applications**
- **Hidden fasteners**
- **Vee-Groove appearance**
- **Use for soffit or vertically for facade or wall**
- **Optional Stucco Embossing**
- **Panel may be vented for soffit applications**

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127



Vented Vee-Panel provides 10.01 square inches of Net Free Vent Area (NFVA) per square foot of panel. Note: Berridge Manufacturing Company does not recommend this product in applications subject to aggressive atmospheres, marine environments or high humidity due to the corrosive nature of these environments on raw edges of steel.

Berridge Vee-Panel provides a uniform, economical covering for vertical wall areas.



SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
VEE-PANEL	I_x (In^4)	S_x (IN^3)	M_A (FT.Lbs)
POSITIVE BENDING	0.00291	0.01134	.272
NEGATIVE BENDING	0.00258	0.00924	.221

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT Panel Weight = 1.4 p.s.f.			
SPAN (Feet)	POSITIVE WIND LOAD		
	1-SPAN	2-SPAN	3-SPAN
1.0	191d	197	230
1.5	56d	87	101d
2.0	24d	49	42d
2.5	12d	28d	22d
3.0	7d	16d	13d

NOTES:
1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Wind Load Allowable Stresses increased by 33%.
3. Values based on 1996 edition of AISI and good engineering practice.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Vee-Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE

Panels shall be roll-formed in continuous lengths (max. 40'). Vee-Groove spacing to be 3-5/8" on center.

MATERIAL AND FINISH

(See "Specifications" on page 35)

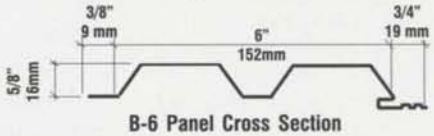
CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

Berridge B-6 Panel

Prefinished soffit panels for open spans to finish underside with maintenance-free metal. Also used vertically for facade, fascia or siding

- **Hidden fasteners**
- **Self-venting**
- **Spans over open framework or solid sheathing**



B-6 Panel Cross Section

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

B-6 Panel offers a fine, extruded texture for wall, soffit or fascia applications.

SECTION PROPERTIES BASED ON 24 GAUGE 40 K.S.I.			
B-6 PANEL	I_x (In⁴/ft.)	M_A (ft.-lbs/ft.)	V_A (lbs/ft)
POSITIVE BENDING	0.0242	79.68	1320
NEGATIVE BENDING	0.0224	95.4	1320

RECOMMENDED LOAD IN POUNDS PER SQUARE FOOT Panel Weight =1.3 p.s.f.			
SPAN (Feet)	POSITIVE WIND LOAD		
	1-SPAN	2-SPAN	3-SPAN
2'-6"	90	90	90
2'-8"	90	90	90
3'-0"	90	90	90
3'-6"	74d	82	90
4'-0"	50d	63	74
4'-6"	35d	50	58
5'-0"	25d	40	47d
5'-6"	19d	34	35d
6'-0"	15d	28	28d

NOTES:
1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Wind Load Allowable Stresses increased by 33%.
3. Values based on 1996 edition of AISI and good engineering practice.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge B-6 Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:
Panels shall be roll formed in continuous lengths (maximum 40').

MATERIAL AND FINISH
(See "Specifications" on page 35)

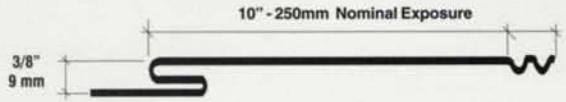
CONSTRUCTION DETAILS
(See page 35 and web site: www.berridge.com)

Roofs of Distinction
Berridge Manufacturing Co.

Berridge Fluted Fascia Panel

Wall & Facade Panel

Clean, crisp fluted vee-groove texture for large expanses of vertical fascia, facade or steep mansard.



- **34-1/2" x 10" Exposure**
- **Panel Interlock for wind resistance**
- **Multi-use Panel**

Berridge Fluted Fascia Panel provides a crisp, fluted, uniform texture for large vertical expanses

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Fluted Fascia Panel as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE

Panels shall have a stamped, fluted design with 10" (nominal) by 34 ½" (nominal) exposure to the weather.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

SEE US IN

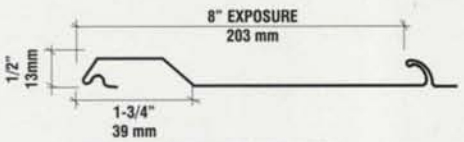
Berridge Colonial and Board & Batt Siding

Prefinished heavy gauge clapboard or board & batt siding with narrow spacing for traditional appearance

- **Hidden fasteners**
- **Maintenance-free**
- **Strong interlock**
- **Optional "Wood Grain" embossed texture**
- **Fireproof**

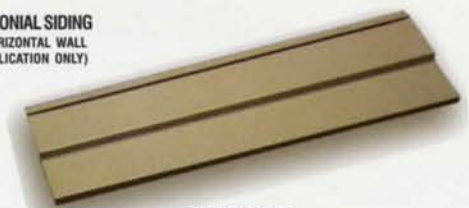
Long-life color finishes plus strong, maintenance-free performance make Colonial Siding an excellent value.

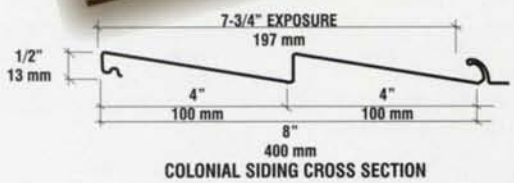
BOARD & BATT PANEL
(VERTICAL WALL APPLICATION ONLY)



BOARD & BATT PANEL CROSS SECTION

COLONIAL SIDING
(HORIZONTAL WALL APPLICATION ONLY)





COLONIAL SIDING CROSS SECTION

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Colonial or Board & Batt Siding as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

Panels shall be roll formed in continuous lengths (maximum 40'). Colonial Siding plank spacing shall be 4" nominal. Batten shall be 1-3/4" wide with 8" spacing and an integral part of the panel.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

SEE US IN

VANTAGE POINT

VANTAGE POINT: MORE THAN JUST A NEW ROOF — IT'S A NEW LOOK

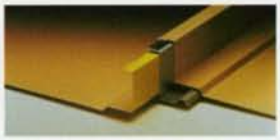
These photos illustrate how a Berridge "Vantage Point" retrofit roof system provides a totally new design appearance plus watertightness integrity.

Berridge ***VANTAGE POINT*** reroofing system combines a new aesthetic look with simple mechanical attachment over existing flat built-up roofs that will last for years to come. ***VANTAGE POINT*** is more than just a patchup or a re-roof solution; it is a permanent new roof with a new higher profile which gives your old building a totally new look. The sloped, light weight, self supporting metal panels need no substrate, thus avoiding extra weight and cost. They provide a watertight standing seam that sheds water in contrast to dated, flat built-up roofs which are subject to water ponding and subsequent leakage.

Economical Installation— No Tear-Off Required!

Two High-Quality Structural/Architectural Panel to Choose From

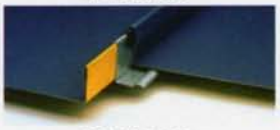
The ZEE-LOCK or CEE-LOCK architectural/structural standing seam roof systems.



ZEE-LOCK

Single-Source Convenience:

The installer orders all necessary coil material & components and all precut retrofit roof system framing members from Berridge.



CEE-LOCK

A Retrofit Design Checklist for Architects & Designers:

- ❑ **Roof Design:** Low slope to steep mansard profile. Intersecting planes such as hips, dormer and valleys should be kept to a minimum.
- ❑ **Penetrations:** Minimize penetrations such as skylights, curbs for roof-mounted heating or air-conditioning units, etc.

Thermal & Mechanical Considerations:

- ❑ **Insulation:**
  The space between the old and new roof allows for low cost, blanket insulation to greatly reduce heating and cooling costs.
- ❑ **Vapor Barrier (if required):**
  A vinyl vapor barrier on the underside of the blanket insulation avoids condensation from the building penetrating insulation and reaching the framing system and roof panels.
- ❑ **Mechanical Equipment:**
  Any existing and new mechanical equipment should be located at ground level to reduce penetrations.
- ❑ **Ventilation:**
  The new attic space can be vented with ridge vents or louvers.
- ❑ **Thermal Movement:**
  Accomodated at the eaves and with inner rib expansion joints.

TYPICAL VANTAGE POINT RETROFIT ROOF ASSEMBLY

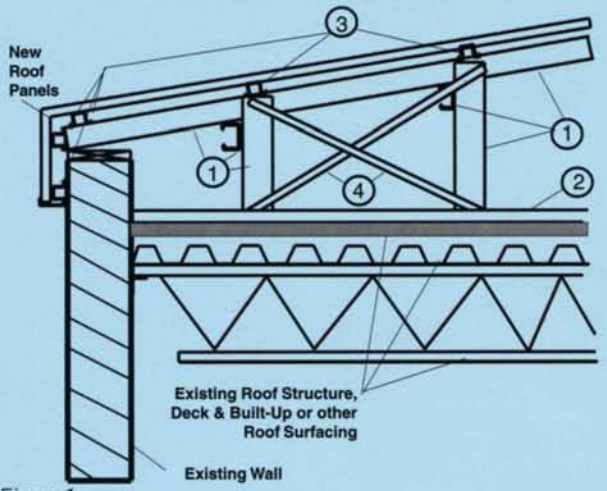
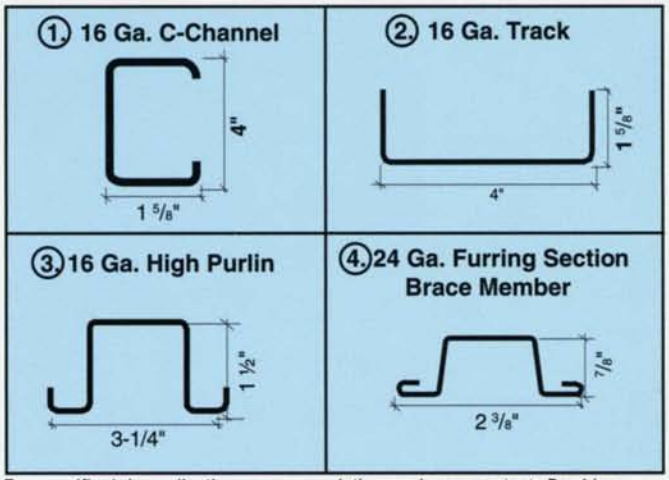


Figure1



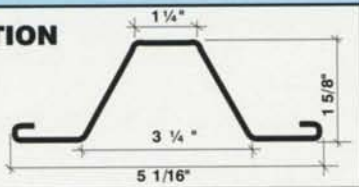
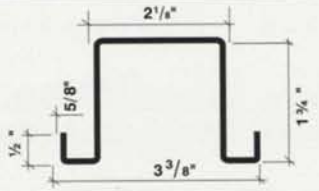
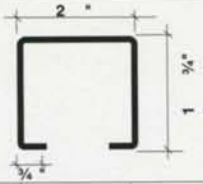
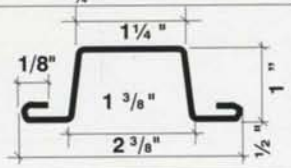
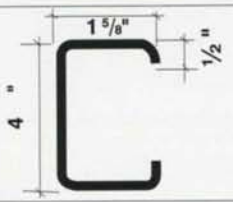
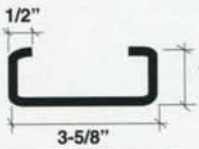
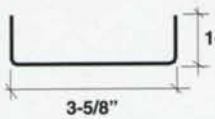
For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

Roofs of Distinction
Berridge Manufacturing Co.

Berridge Structural Framing Members

- 24-gauge galvanized steel members for canopies, fascia & equipment screens
- 16-gauge galvanized "C" section members for joists, purlins, studs, beams & columns.

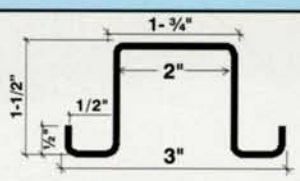
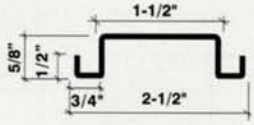
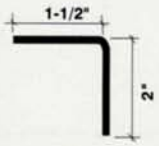
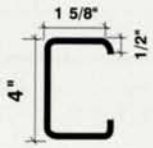
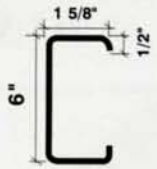
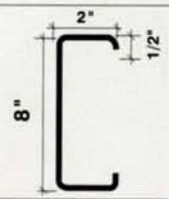
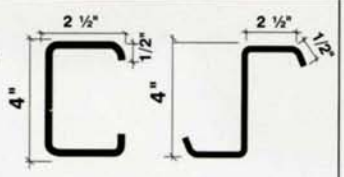
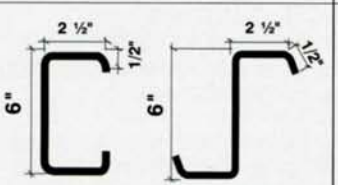
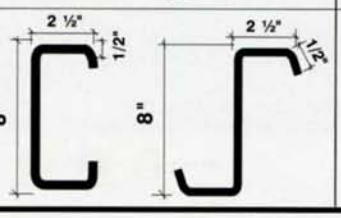
24-Gauge (.024" /.60 mm) Galvanized Steel

COMPONENT	Weight/ L.F.	A(In²) (Full)	I (Effective) in⁴		Allow. Moment (in. - kips)		Allow. Shear (kips)
			T.I.C.	B.I.C.	T.I.C.	B.I.C.	
HAT SECTION PURLIN 	.65 lbs	.1900	.0665	.0679	1.61	1.77	1.01
FRAMING SECTION 	.65 lbs	.1900	.0759	.0866	1.80	2.26	1.08
CHANNEL SECTION 	.47 lbs	.138	.0530	.0556	1.15	1.21	1.08
FURRING CHANNEL 	.35 lbs	0.1030	.0180	.0180	0.78	0.86	.53
4" X 1 5/8" CHANNEL 	.64 lbs	0.188	.453		4.70		.30
3-5/8" STUD 	SECTION PROPERTIES FOR STUD AND TRACK NOT AVAILABLE: CONSULT BERRIDGE TECHNICAL DEPARTMENT REGARDING STRUCTURAL APPLICATIONS						
3-5/8" TRACK 							

NOTES FOR 24 & 16 GAUGE SHAPES:

1. Values based on 1996 AISI Specifications, with compression flange braced against lateral buckling.
2. Net section properties are used for resisting moment determination and allowable shear loads.
3. Minimum yield strength = 40 k.s.i. for 24 gauge shapes and 50 k.s.i. for 16 gauge shapes.
4. E = 29,500 ksi.
5. Values are for upward and downward loads.
6. T.I.C. = Top in Compression
7. B.I.C. = Bottom in Compression

16-Gauge (.0598"/1.52mm) Galvanized Steel

COMPONENT	Weight/L.F.	A(In²) (Full)	I (Effective) in⁴		Allow. Moment (in. - kips)		Allow. Shear (kips)
			T.I.C.	B.I.C.	T.I.C.	B.I.C.	
HIGH PURLIN 	1.43 lbs	0.422	.151		5.74		2.71
LOW PURLIN 	.82 lbs	0.242	.017		1.51		0.61
ANGLE (STRAIGHT OR CONVEX CURVED MIN RADIUS 4' 0") 	.69 lbs	.203	.084	.029	1.78	0.56	1.31
4" X 1 5/8" CHANNEL 	1.6 lbs	0.452	1.09		16.1		3.84
6" X 1 5/8" CHANNEL 	2.0 lbs	0.572	2.86		28.3		3.20
8" X 2" CHANNEL 	2.5 lbs	0.737	6.43		45.0		2.36
4" X 2 ½" CHANNEL OR ZEE PURLIN 	1.97 lbs	0.557	1.42		18.4		3.84
6" X 2 ½" CHANNEL OR ZEE PURLIN 	2.41 lbs	0.677	3.61		31.8		3.20
8" X 2 ½" CHANNEL OR ZEE PURLIN 	2.82 lbs	0.797	7.09		47.7		2.36

Berridge Curved Framing Components

Hot dipped galvanized 16 gauge steel angle with a radius of four feet or larger

SPECIFICATIONS

(Request complete specifications from factory)

All framing angles for curved fascias and equipment screens shall be fabricated from 16 gauge hot-dipped galvanized curved angles as manufactured by Berridge Manufacturing Company, San Antonio, Texas.

All structural calculations shall be provided by an engineer for local conditions utilizing the Berridge sectional properties. Structural calculations for framing sections are available from Berridge Manufacturing Company on special request.

NOTES:

1. All loads meet L/240 Deflection Criteria. (d) Deflection governs allowables.
2. Maximum bending stress = 30,000 psi, unless reduced for compliance with referenced code.
3. E = 29,500 ksi.
4. Values shown are for downward loads only.
5. Values based on 1996 edition of AISI specifications.

STRUCTURAL PROPERTIES

ALLOWABLE UNIFORM LOAD IN POUNDS PER LINEAR FOOT

LENGTH	SINGLE SPAN	TWO SPAN	THREE SPAN
2.0	296	93	108
2.5	189	59	69
3.0	131	41	48
3.5	96	30	35
4.0	74	23	27
4.5	60	18	21
5.0	44d	14	17
5.5	33d	12	14
6.0	25d	10	11

Type	A (IN^2)	I (IN^2)	Sxt (IN^3)	Sxb (IN^3)	rx (IN)
L Angle	.203	.029	.0592	.0186	.6498

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

Berridge Fish Scale Shingle

Historical Product for Gable, Sidewall or steep Mansard or Fascia applications (80°+) with solid sheathin g

For specific job application recommendations, please contact Berridge Technical Department 1-800-231-8127

Berridge Fish Scale Shingles provide an authentic "fish-scale" texture on gables or steep mansard or fascia roofs.

SPECIFICATIONS

(Request complete specifications from factory)

Furnish and install Berridge Fish Scale Shingles as manufactured by Berridge Manufacturing Co., San Antonio, Texas.

MANUFACTURE:

Each shingle shall be blanked and stamped with two scale modules per shingle. The exposure to the weather shall be 8-1/2" by 11-1/4" per shingle.

MATERIAL AND FINISH

(See "Specifications" on page 35)

CONSTRUCTION DETAILS

(See page 35 and web site: www.berridge.com)

Roofs of Distinction

Berridge Manufacturing Co.

SPECIFICATIONS FOR ALL 24 GAUGE GALVANIZED STEEL OR GALVALUME® BERRIDGE PRODUCTS

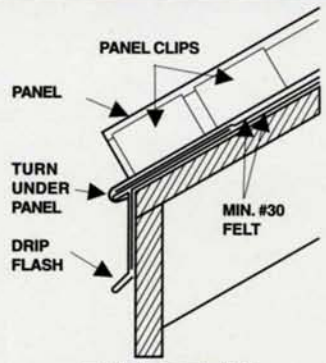
(Tee-Panel, High Seam Tee-Panel, Curved Tee-Panel, Compound Curved & Tapered Tee-Panel, Batten Seam, Zee-Lock, Cee-Lock, Spanish Tile, S-Tile, Bermuda Roof Panel, Rustic Shake, Victorian Shingle, Classic Shingle, Fish Scale Shingle, "R" Panel, "M" Panel, Flush Seam Panel, Thin-Line Panel, FW Panel, Vented FW-12 Panel, Vee-Panel, Vented Vee-Panel, Fluted Fascia Panel, B-6 Panel, Board & Batt Panel, Colonial Siding, Flat Seam Panel, S-Deck).

MATERIAL (Choose One)

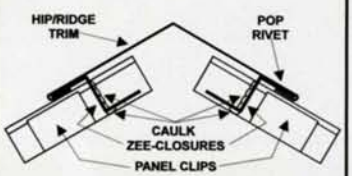
1. **Natural Finish Metal:**
   SATIN FINISH GALVALUME® 24 Gauge ASTM 792-86 with all mill oils, chemicals and residue removed and coated on back side with a Parchment backer and front side with Clear Plastic Strippable Film.
2. **Prefinished Metal:**
   (A) Prefinished Steel - 24 Gauge Hot-Dipped Galvanized Steel ASTM A446-85 Grade C, G-90 Coating ASTM A 653-94 & A 924-94.
   (B) Finish
   (1) Finish shall be Kynar 500® or Hylar 5000™ Fluorocarbon coating applied on the Berridge Coil Coating Line with a top side film thickness of 0.80 to 0.90 mil over 0.20 to 0.25 mil prime coat to provide a total dry film thickness of 1.0 to 1.15 mil. The reverse side shall be coated with a backer coating of 0.25 mil nominal dry film thickness. Finish shall conform to all tests for adhesion, flexibility and longevity as specified by Kynar 500® or Hylar 5000™ finish supplier.
   (2) Color shall be_____.
   (3) Strippable coating shall be applied on the Berridge Coil Coating Line to the top side to protect the finish during fabrication, shipping and field handling. This strippable coating must be removed before installation.
   (4) Field protection must be provided by the contractor at the job site so material is not exposed to weather and moisture.
   (C) Prefinished GALVALUME® - 24 Gauge ASTM 792-86
   (D) Flashing (Factory Fabricated or Locally Fabricated)
   (1) Unless otherwise specified all exposed adjacent flashing shall be of the same material and finish as panel system.

Note: The rolling process of sheet metal results in inherent surface unevenness referred to as "oil-canning". This condition is also caused by several factors including thermal expansion and contraction, dark colors, both medium and high-gloss finishes, and uneven substrate. "Oil-canning" in itself is not sufficient cause for material rejection.

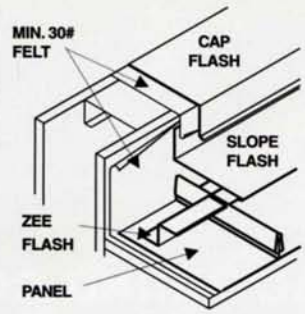
CONSTRUCTION DETAILS FOR BERRIDGE PRODUCTS*



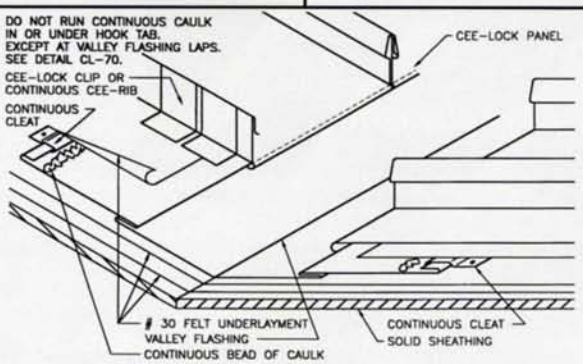
EAVE DETAIL



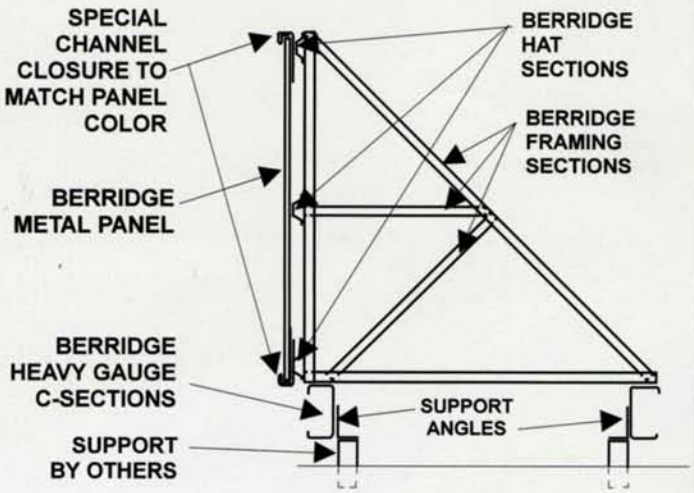
HIP & RIDGE DETAIL



PARAPET DETAIL

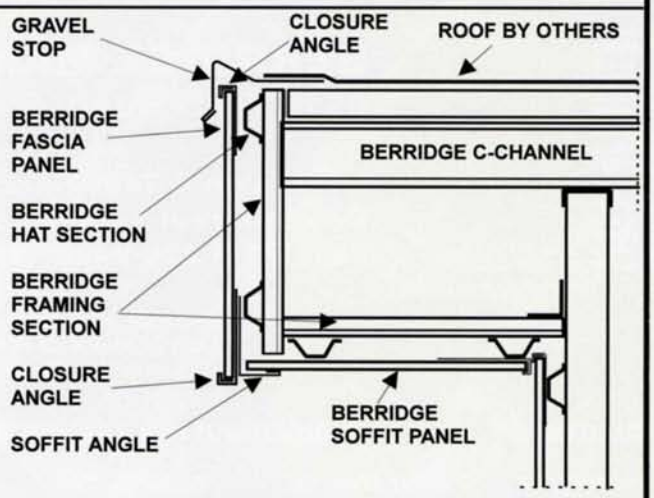


VALLEY ASSEMBLY DETAIL



EQUIPMENT SCREEN DETAIL

NOTE: Contact Berridge Technical Department to determine structural adequacy.



FASCIA, SOFFIT AND SIDING DETAIL

For complete details on any Berridge product or specific job application recommendations, please contact Berridge Manufacturing Co. - 1-800-231-8127 - Additonal details available at our web site: www.berridge.com

BERRIDGE

Roofs of Distinction

BERRIDGE MANUFACTURING COMPANY

6515 Fratt Road, San Antonio, Texas 78218

for Design & Technical Assistance
Call toll-free: 1 (800) 231-8127
Fax: (713) 236-9422 • http://www.berridge.com

Berridge Manufacturing Company is registered with the AIA Continuing Education System (AIA/CES) and is committed to developing quality learning activities in accordance with the CES criteria. Please call Berridge's Staff Architect at 800-231-8127 to schedule a seminar.

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