

# **BERRIDGE**

## **MANUFACTURING COMPANY**

### **FREEDOM OF FORM IN ARCHITECTURAL METAL SYSTEMS**

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

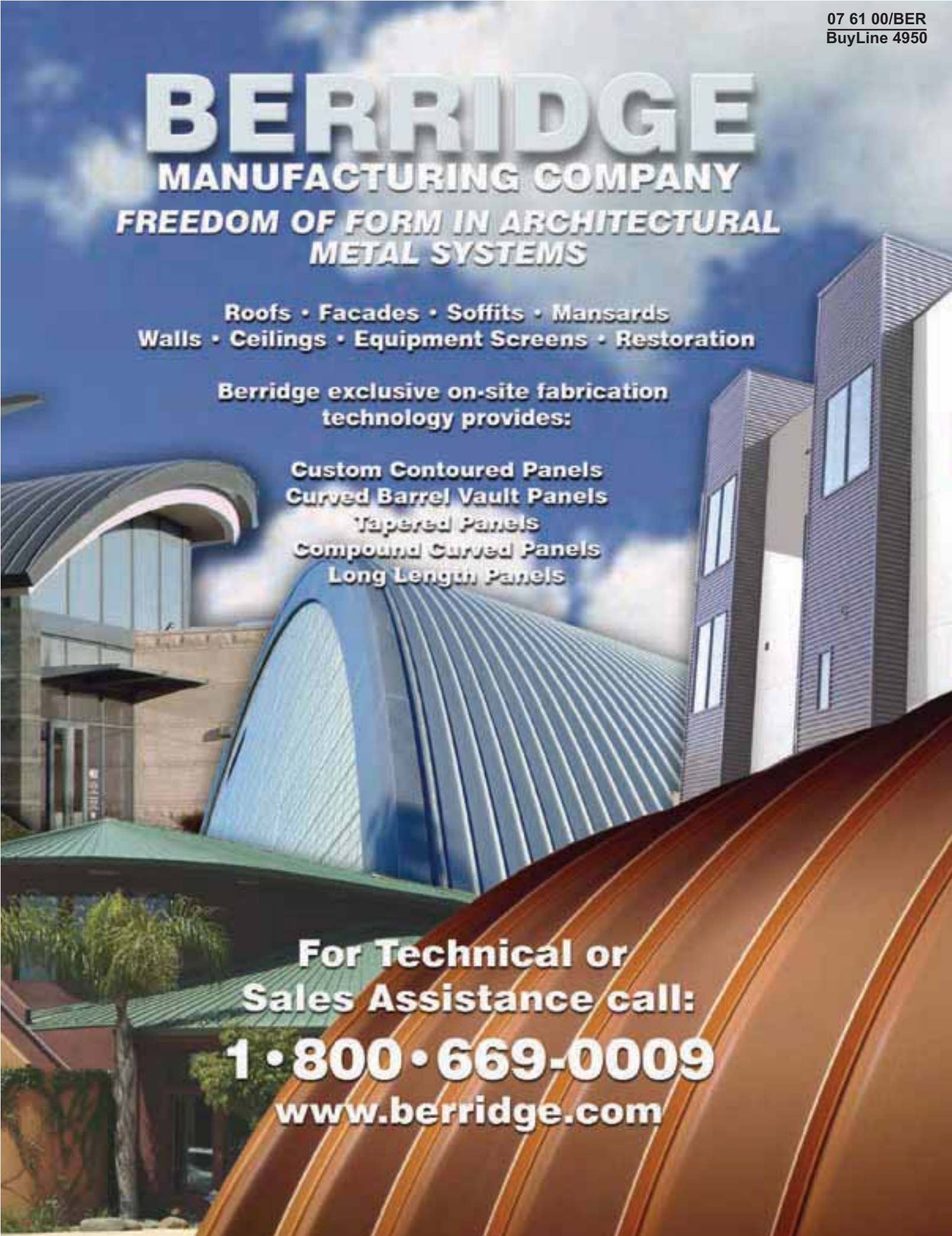
**Berridge exclusive on-site fabrication  
technology provides:**

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

**For Technical or  
Sales Assistance call:**

**1 • 800 • 669 • 0009**

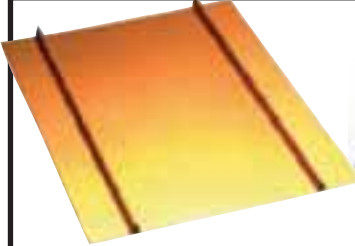


**[www.berridge.com](http://www.berridge.com)**





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<b>TEE-PANEL</b>	<b>HIGH SEAM TEE-PANEL</b>	<b>CEE-LOCK PANEL</b>	<b>ZEE-LOCK PANEL</b>
			
<b>BATTEN SEAM PANEL</b>	<b>CURVED ZEE-LOCK PANEL</b>		<b>S-TILE PANEL</b>
			
<b>CLASSIC SHINGLE</b>	<b>CURVED TEE-PANEL</b>		<b>SPANISH TILE</b>
			
<b>VICTORIAN SHINGLE</b>	<b>RUSTIC SHAKE</b>	<b>BERMUDA ROOF PANEL</b>	<b>DOUBLE-RIB PANEL</b>
			
<b>DEEP DECK PANEL</b>	<b>FW-12 PANEL</b>	<b>L- PANEL</b>	<b>“R” PANEL</b>
			
<b>COLONIAL SIDING</b>	<b>VEE-PANEL</b>	<b>HR-16 WALL PANEL</b>	<b>“M” PANEL</b>
			
<b>BOARD &amp; BATT PANEL</b>	<b>FISH SCALE SHINGLE</b>	<b>B-6 PANEL</b>	<b>S-DECK</b>
			
<b>FLUTED FASCIA PANEL</b>	<b>FLAT SEAM PANEL</b>	<b>THIN-LINE PANEL</b>	<b>FLUSH SEAM PANEL</b>

## INTRODUCTION AND SERVICE

Berridge Manufacturing Company has been in business for more than thirty-eight 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, thirty-six 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.

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.

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 and budget figures. Details and specifications may also be found on Berridge's web site: [www.berridge.com](http://www.berridge.com).

## 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.

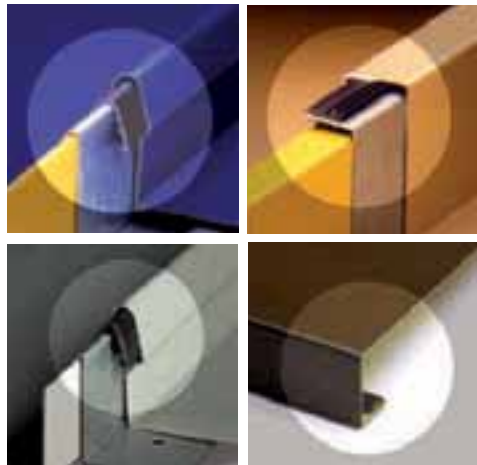
Highly specialized Berridge manufacturing equipment converts large bare Galvalume® and galvanized steel coils into pretreated, prefinished, high quality fabricated architectural sheet metal products. Berridge equipment includes: continuous coil coating line; slitting line; cut-to-length line; roll-formers; 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 using Berridge portable roll formers.



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



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



# BERRIDGE IS COMMITTED TO “GREEN”, SUSTAINABLE COOL METAL ROOFING



## Berridge Metal Roofing is Cool and Sustainable:

The high reflectivity, emissivity and solar reflectance index (SRI) of Berridge metal roofing helps mitigate the heat island effect. Our highly emissive and reflective painted surfaces are optimal for reducing energy consumption, particularly where cooling loads dominate. In addition to being energy efficient, our roofing is sustainable due to its durability, high recycled content, recyclability and low weight.

### Above:

*The Dunedin Community Center in Dunedin, Florida, which was completed in November 2006, is the first environmentally friendly (“Green”) community center in the state of Florida. The project team received Silver Certification from the U.S. Green Building Council’s Leadership in Energy and Environmental Design (L.E.E.D.) program. The 45,000 square foot building is designed to be 30% more energy efficient than a standard building, which equates to \$35,000 per year in operational cost savings. The building design incorporated materials with recycled content manufactured regionally. Barrel vault roof panels: Berridge Curved Zee-Lock, Natural White finish.*

Berridge Color Finish	Solar Reflectivity	Emissivity	Solar Reflectance Index (SRI)
Aged Bronze	29.66	0.86	30
Almond	65.10	0.84	77
Antique Copper-Cote	29.30	0.85	29
Bristol Blue	27.06	0.87	27
Buckskin	39.71	0.86	43
Burgundy	30.05	0.85	30
Champagne	34.95	0.85	36
Charcoal Gray	29.64	0.87	30
Colonial Red	33.03	0.85	34
Copper Brown	29.57	0.87	30
Copper-Cote	45.24	0.87	51
Dark Bronze	28.20	0.91	30
Deep Red	38.54	0.84	41
Forest Green	29.08	0.85	29
Hartford Green	27.73	0.83	26
Hemlock Green	30.92	0.83	30
Lead Cote	32.90	0.86	34
Matte Black	28.70	0.91	31
Medium Bronze	31.39	0.85	32
Natural White	75.93	0.84	93
Parchment	51.72	0.83	58
Patina Green	34.42	0.86	36
Preweathered Galvalume	33.61	0.80	32
Royal Blue	26.05	0.85	25
Shasta White	60.00	0.84	70
Sierra Tan	34.81	0.84	36
Teal Green	26.86	0.87	27
Terra-Cotta	31.66	0.83	31
Zinc Cote	52.45	0.87	61
Zinc-Grey	37.88	0.84	40

### Note:

- Solar Reflectivity values of 25 or better on roof slopes greater than 2:12 qualify for Energy Star.
- L.E.E.D. 2.2 requires SRI of 29 or better for steep slope (greater than 2:12) roofs.

**LEED 2.2  
U.S. GREEN  
BUILDING  
COUNCIL**



*Berridge is committed to ongoing testing and compliance with the national rating and code bodies listed above*

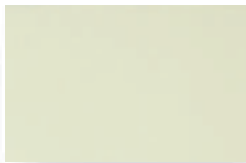
## STANDARD COLORS



★ ■ BUCKSKIN



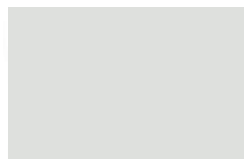
★ ■ PARCHMENT



★ ■ ALMOND



★ ■ 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



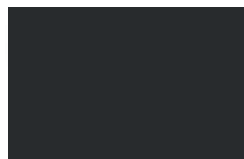
★ ■ ROYAL BLUE



★ ■ COLONIAL RED



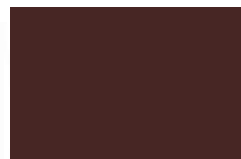
★ ■ COPPER BROWN



★ ■ MATTE BLACK



★ ■ TEAL GREEN



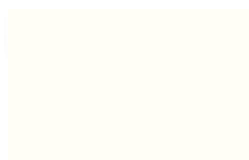
★ ■ BURGUNDY



★ ■ DEEP RED

## PREMIUM COLORS\*

\* These Berridge Premium Colors require a nominal surcharge.



★ ■ NATURAL WHITE



★ ■ AWARD BLUE



★ ■ CHAMPAGNE



★ ■ COPPER-COTE™



★ ■ ANTIQUE COPPER-COTE

## NATURAL METAL FINISH

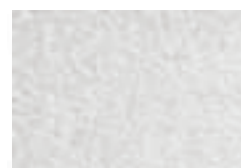
Berridge Satin Finish Galvalume® is pretreated to remove mill oils, chemicals and residue and coated on the back side to inhibit corrosion. The top side receives a clear plastic strip-able film.



★ ■ SATIN FINISH GALVALUME®



★ ■ ZINC-COTE™



★ ■ LEAD-COTE™



★ ■ PREWEATHERED GALVALUME®

■ Complies with LEED® 2.2 requirements for roof slopes greater than 2:12 as of printing date

★ Complies with Energy Star requirements for roof slopes greater than 2:12 as of printing date  
Standard material gauge: 24 ga. (0.60mm)



## KYNAR 500® OR HYLAR 5000™ COLORS & NATURAL METAL FINISHES

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\*

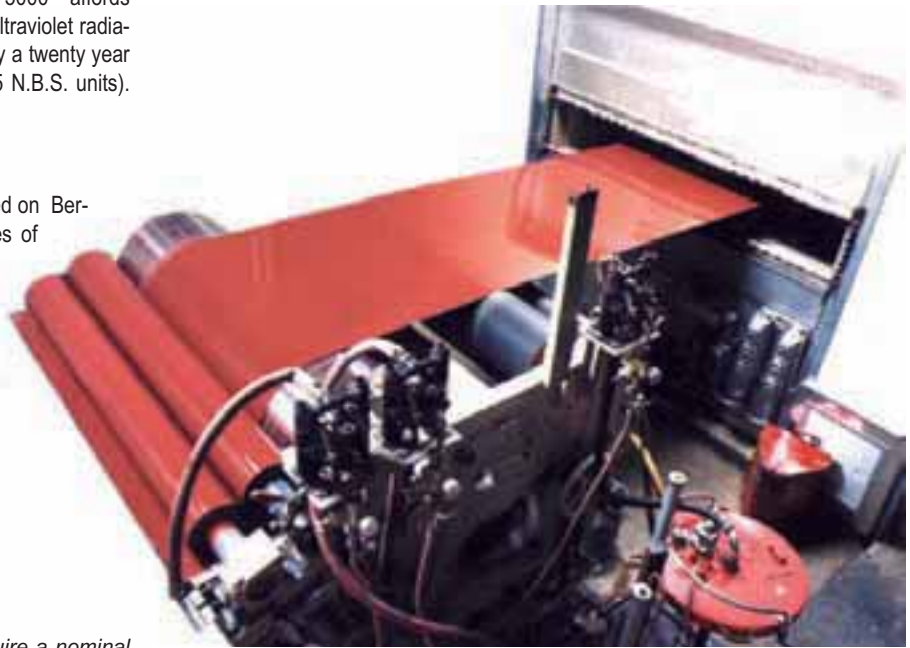
All Berridge metallic colors are completely processed and finished on Berridge Continuous Coil Coating Lines and are proprietary finishes of Berridge Manufacturing Company which are available on all Berridge products. These finishes are also available in sheet and coil form to all Sheet Metal Companies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

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

\* Berridge Metallic Finishes are premium colors which require a nominal surcharge

### SATIN FINISH GALVALUME®

Satin Finish Galvalume® is unfinished metal that is pretreated on the Berridge Continuous Coil Coating Line to remove mill oils, chemicals and residue, which provides final uniformity of appearance. The metal is coated on the back side with an off-white backer and the top side receives a clear plastic strippable film that must be removed before installation of the product.



Berridge owns and operates its own modern continuous coil coating line in San Antonio, Texas, painting both 48" and 42" wide master coil materials.

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. Kynar 500® is a registered trademark of Arkema, Inc.
5. Hylar 5000™ is a registered trademark of Solvay Solexis.

## SPECIFICATIONS FOR ALL 22\* & 24 GAUGE GALVANIZED STEEL OR GALVALUME® BERRIDGE PRODUCTS

### MATERIAL (Choose One)

#### 1. Natural Finish Metal:

**SATIN FINISH GALVALUME®** 22\* or 24 Gauge, Grade C 40 ksi, AZ-55, 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** - 22\* or 24 Gauge Hot-Dipped Galvanized Steel ASTM A446-85 Grade C 40 ksi, 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 0.70 to 0.80 mil over 0.20 to 0.30 mil prime coat to provide a total dry film thickness of 1.0 plus or minus 0.10 mil. The reverse side shall be coated with a backer coating of 0.30 +/- 0.05 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 stacked or coiled material is not exposed to weather and moisture.

**(C) Prefinished GALVALUME®** - 22 or 24 Gauge, Grade C 40 ksi AZ-55, 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.

\*Not all products and colors are available in 22 gauge.

Please visit our web site for complete specifications: [www.berridge.com](http://www.berridge.com)





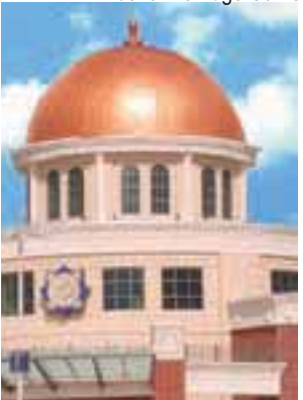
Above: Berridge Curved Tee-Panel and Cee-Lock Panels.



Above: Berridge Curved Tee-Panel



Above: Berridge Curved & Tapered Tee-Panel and Zee-Lock Standing Seam.



Above, Left-Right: Berridge Compound Curved Tee-Panel (dome) and Curved Tee-Panel .

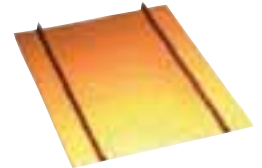


Above: Berridge Tee-Panel

Berridge Standing Seam Roof Systems range from standing seam over solid sheathing to structural, mechanically seamed systems capable of spanning open framing. All feature the patented Berridge Vinyl Weatherseal and may be site-formed with Berridge Portable Roll Formers to continuous lengths.

## TEE-PANEL

For solid sheathing applications; commercial or residential installations. Narrow Seam appearance.



See Pg. 8

## TAPERED & CURVED TEE-PANEL

Tee-Panel may also be tapered, curved, or compound curved using Berridge Portable Roll Former machines.



See Pg. 9

## HIGH SEAM TEE-PANEL

For solid sheathing applications; commercial or residential. High Seam Tee-Panel may also be curved.



See Pg. 10

## CEE-LOCK

Cee-Lock features an integral snap-lock seam, and is suitable for solid substrate applications.



See Pg. 11

## ZEE-LOCK

Zee-Lock is a structural panel for use over open framing or solid substrate. It features a mechanically-seamed sidelap and may also be double-lock seamed.



Zee-Lock



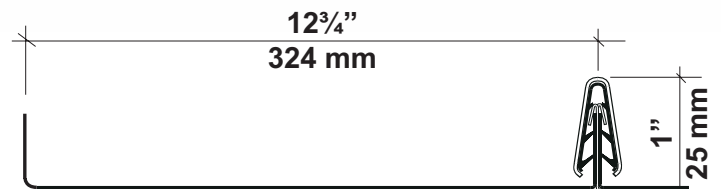
Curved Zee-Lock

See Pg. 12

# Berridge Tee-Panel

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
- May be site-formed in continuous lengths with Berridge Model SS-14 Portable Roll Former



Tee-Panel Cross Section



BERRIDGE  
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See [www.berridge.com](http://www.berridge.com) for Specifications & Details

Page 8 - (Tee-Panel)

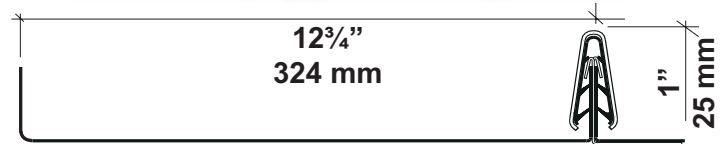
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# Berridge Curved, Compound Curved & Tapered Tee-Panel

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\*
- U.L. 90 Wind Uplift & U.L. Fire Resistance listed
- ASTM Air & Water tested
- ASTM E-1592 Tested
- May be site-formed with Berridge Model SS-14 Portable Roll Former (Use Model SL-24 for Tapered, Model SL-1 for Compound Curved Panels)



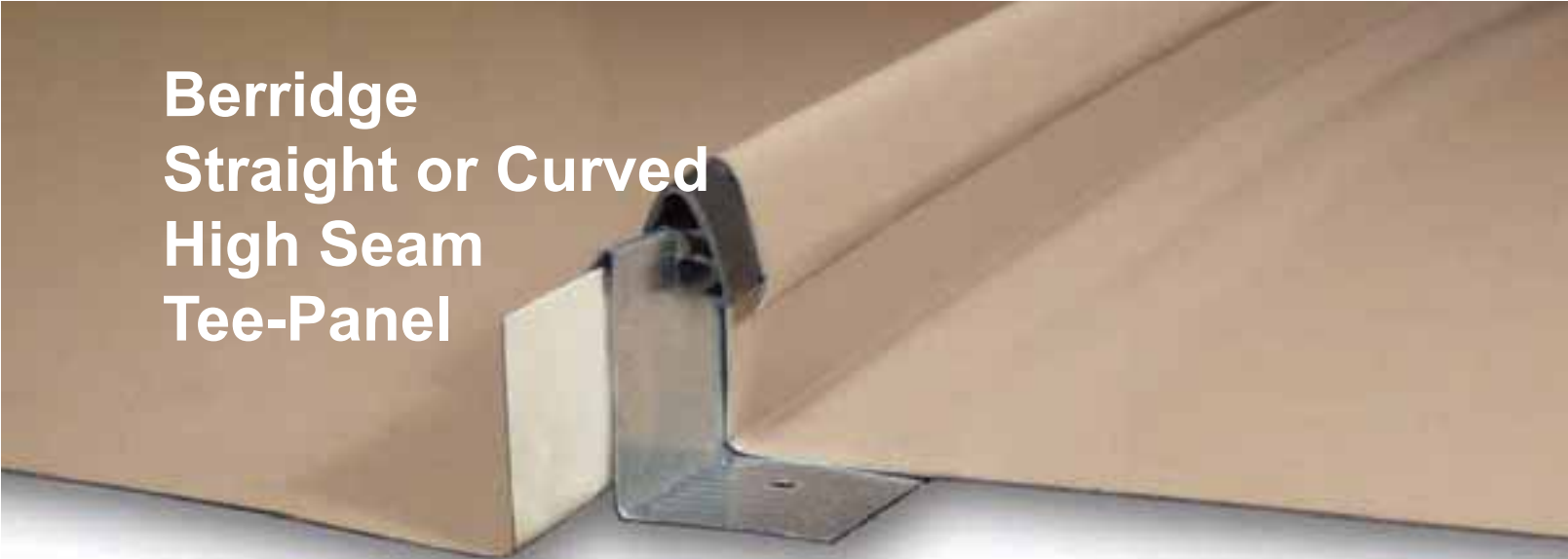
Curved Tee-Panel Cross Section



Berridge Manufacturing Co.

See [www.berridge.com](http://www.berridge.com) for Specifications & Details

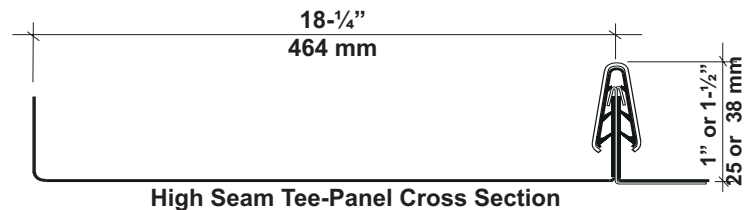
# Berridge Straight or Curved High Seam Tee-Panel



- Hidden Fasteners
- Extruded Vinyl Weatherseal as integral part of Snap-On Seam to prevent siphoning or flooding over seam
- Narrow High Seam
- U.L. 90 Wind Uplift & U.L. Fire Resistance Listed
- ASTM Air & Water Resistance tested
- ASTM E-1592 tested
- May be site-formed in continuous lengths with Berridge Model SS-14-21 Portable Roll Former



(Shown with Striations which are available)



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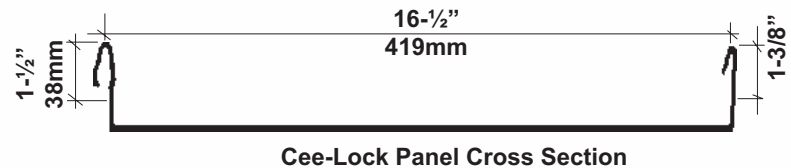
See [www.berridge.com](http://www.berridge.com) for Specifications & Details



# Berridge Cee-Lock Snap-Lock Standing Seam Roof

07 61 00/BER  
BuyLine 4950

- Easy to install, integral Snap-Lock Seam
- U.L. 90 Wind Uplift & U.L. Fire Resistance listed
- Hidden fasteners
- Patented\* vinyl weatherseal (optional)
- ASTM Air & Water tested
- ASTM E1592 tested
- Florida Building Code Tested
- May be site-formed in continuous lengths with Berridge Model CL-21 Portable Roll Former



Berridge Manufacturing Co.

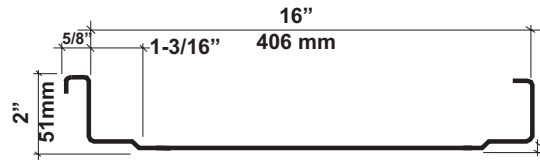
See [www.berridge.com](http://www.berridge.com) for Specifications & Details

# 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 wind uplift & U.L. fire resistance listed
- ASTM air & water resistance tested
- ASTM E-1592 tested
- FMRC approved & 1-120 rated
- May be double-lock seamed (consult Berridge)
- Corps of Engineers CEGS 07416 approved
- Metro-Dade NOA No. 03-1104
- Florida Building Code tested
- Optional striations available
- May be site-formed in continuous lengths with Berridge Model SP-21 Portable Roll Former



Curved Zee-Lock Panels -  
Site-Formed with ZC-21 Curver Machine  
(20' Minimum Radius)



Left: The Berridge Zee-Lock Double Lock Panel is FMRC 1-120 Rated (vinyl weatherseal not used with Double Lock panel)





# Berridge Batten Seam System

Page 14



Berridge Batten Seam offers a bold, square batten appearance and strong, UL90 performance. Batten Seam may also be site formed. A structural panel with snap-on square battens over Berridge Deep Vee Panels. May be installed over open framing.

See Pg. 14



# Berridge Bermuda Roof Panel

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Berridge Bermuda Panel provides a traditional, horizontal Bermuda roof appearance in continuous-length panels for roof, fascia or mansard facade applications.

See Pg. 14

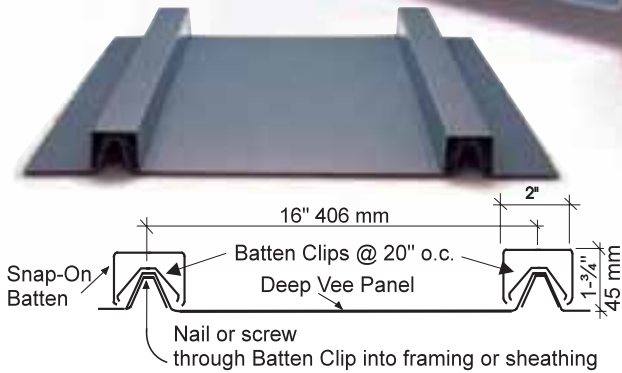


Page 13

# Berridge Batten Seam

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

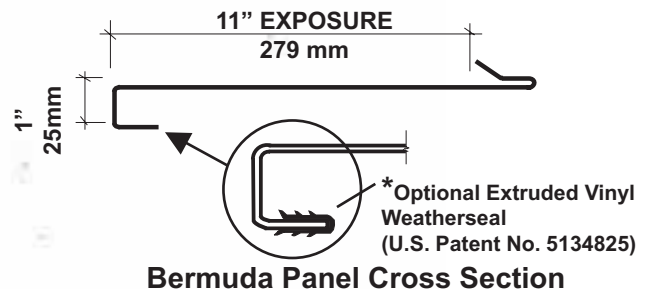
- Spans over open purlins
- Hidden fasteners
- U.L. 90 & U.L. fire resistance listed
- May be site-formed in continuous lengths with Berridge Model BP-21 portable roll-former



# Berridge Bermuda Roof

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
- Optional "Wood Grain" embossed texture
- May be site-formed in continuous lengths using Berridge Model BP-14 portable roll-former



See [www.berridge.com](http://www.berridge.com) for Specifications & Details





Berridge offers two simulated tile metal roof products. Both offer the authentic appearance of tile roofing at a fraction of the weight, which reduces the cost of roof framing. Berridge tile roofs are available in a wide range of long life color finishes, and are well suited for all architectural applications, including commercial and residential.

## SPANISH TILE SYSTEM

The Berridge Spanish Tile Roof System offers the authentic appearance of Spanish Barrel Tiles. Berridge Spanish Tile may be installed over open framing.

See Pg. 16



## S-TILE

The Berridge Berridge S-Tile Roof is a tile panel with an asymmetrical "S-Tile" profile. S-Tile is for solid sheathing applications.

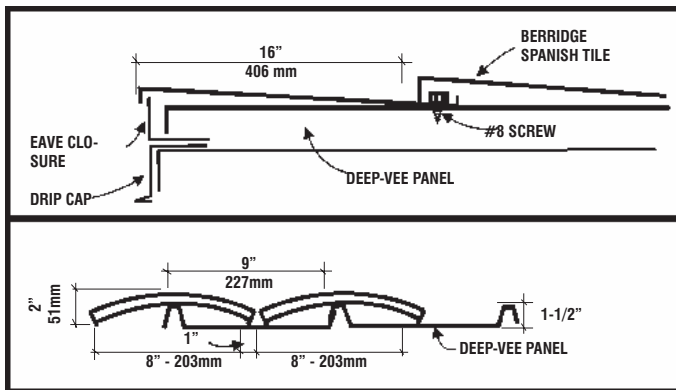
See Pg. 17



# Berridge Spanish Tile

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



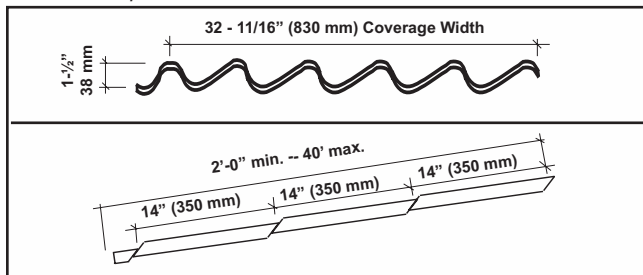


# Berridge S-Tile

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 solid substrate

For specific job application recommendations, please contact Berridge Technical Department 1-800-669-0009



Berridge Manufacturing Co.

See [www.berridge.com](http://www.berridge.com) for Specifications & Details



Above: Berridge Classic Shingles - vertical wall application



Above: Berridge Classic Shingles - roof application

Berridge offers two unique styles of metal shingles for both commercial and residential applications. Both are fabricated with 24-gauge steel and are available in a wide range of long life color finishes.

## CLASSIC & VICTORIAN

Berridge Classic and Victorian Shingles provide an authentic, turn-of-the-century appearance. For steep-slope, solid-sheathed applications.

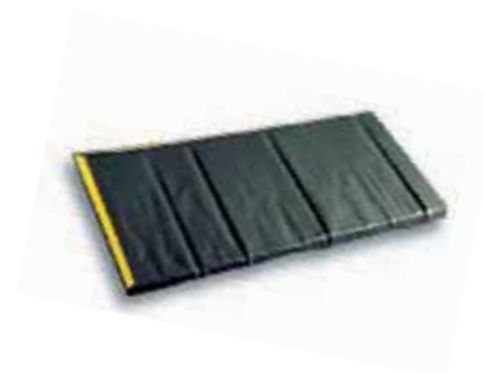
**See Pg. 19**



## RUSTIC SHAKE

Berridge Rustic Shake Shingle provides an authentic cedar shake appearance in prefinished 24-gauge steel.

**See Pg. 19**

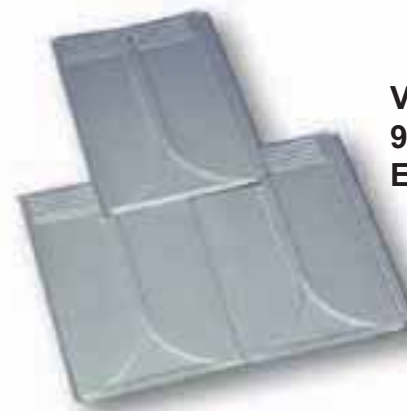




# Berridge Victorian & Classic Shingles

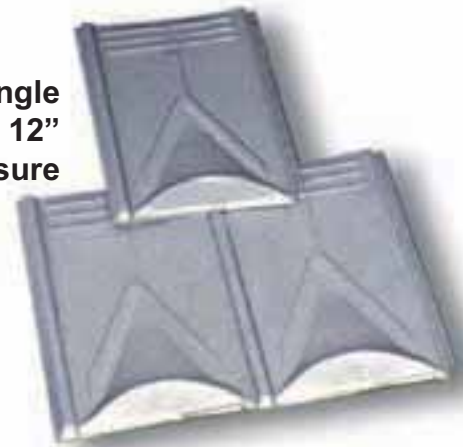
Prefinished Kynar 500® , Hylar 5000™ or Satin Finish Galvalume® shingle for restoration, residential and commercial construction with solid sheathing for roof or wall.

- Traditional Appearance
- Hidden Fasteners



Victorian Shingle  
9" x 12"  
Exposure

Classic Shingle  
9" x 12"  
Exposure



# Berridge Rustic Shake Shingles

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



Rustic Shake Shingle  
12" x 24" Exposure



Above: Berridge Curved S-Deck - horizontal wall application



Above: Berridge Deep-Deck



Above: Berridge Double-Rib Roof



Above: Berridge M-Panel Roof



Above: Berridge R-Panel Roof

Berridge offers a variety of Exposed Fastener panels for both commercial and residential projects, for roof, wall and other applications. Berridge exposed fastener panels may be installed either vertically or horizontally (see recommended details).

### R-PANEL

Berridge "R" Panel is a thirty-six inch coverage panel which carries the UL90 rating and may be installed over either open framing or solid sheathing.

See Pg. 21



### M-PANEL

Berridge "M" Panel is a thirty-six inch coverage panel which carries the UL90 rating and may be installed over either open framing or solid sheathing.

See Pg. 21



### DOUBLE-RIB PANEL

Double-Rib provides a traditional "5-V Crimp" profile for solid sheathing applications in strong, 24-ga steel material.

See Pg. 21



### S-DECK PANEL

A very versatile product which may be used for either roof or wall applications. S-Deck may also be curved.

See Pg. 22



### DEEP-DECK PANEL

Deep Deck features ribs spaced at 7.2 inches, and has a 1.5 inch deep profile and 36-inch coverage. May be used either vertically or horizontally.

See Pg. 23



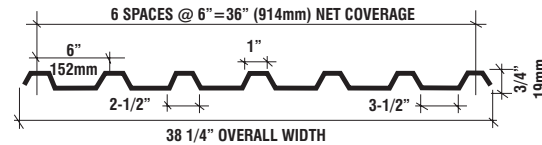
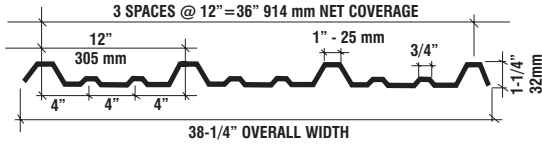


# Berridge "R" & "M" Panel

07 61 00/BER  
BuyLine 4950

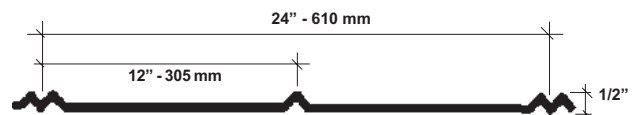
Prefinished or Satin Finish Galvalume, wall, soffit, fascia, mansard, liner or equipment screen panel

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



## Berridge Double-Rib Roof Panel

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



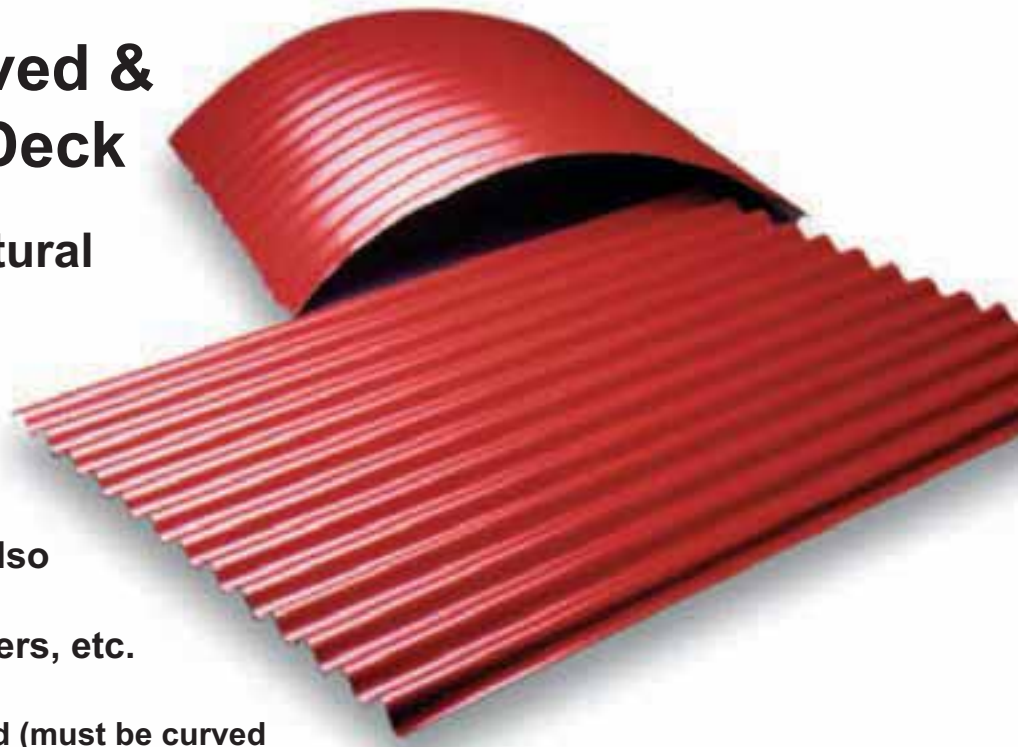
See [www.berridge.com](http://www.berridge.com) for Specifications & Details

# Berridge Curved & Straight "S" Deck

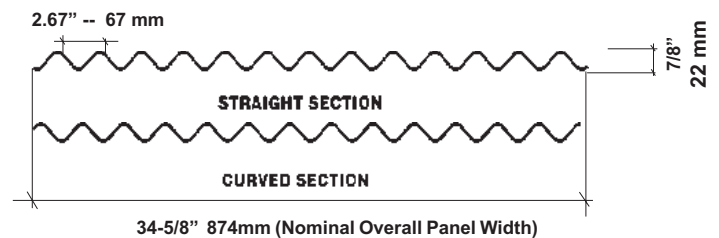
## Corrugated Structural Metal Sheathing

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



31-1/2" (Nominal) COVERAGE

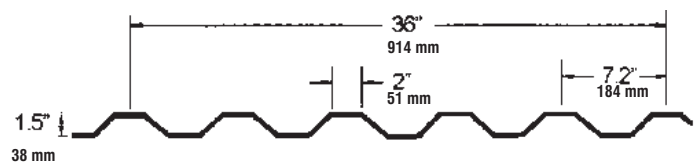




# Berridge Deep-Deck Roof, Deck & Wall Panel

07 61 00/BER  
BuyLine 4950

- 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





Above: Berridge HR-16 Panel

Berridge offers a full selection of fascia, wall and soffit panels for any application. All feature concealed fasteners and are available in a wide range of long-life color finishes.

### HR-16 Panel

For horizontal or vertical wall or fascia applications. Features a wide, 16" coverage.

See Pg. 25



### B-6 PANEL

For vertical wall, soffit or ceilings. B-6 features a deep vee extruded appearance.

See Pg. 26



Above: Berridge B-6 Panel



Above: Berridge Vee-Panel

### FW-12 PANEL

FW-12 Panel offers 12" coverage and 1.5 deep ribs. For vertical walls, soffit or fascia applications.

See Pg. 27



### L-PANEL

L-Panel may be used for fascia or soffit applications. May be vented.

See Pg. 27



Above: Berridge Vented FW-12 Soffit Panel

### VEE-PANEL

For walls, fascia or soffit applications. May be vented for soffit.

See Pg. 26



### FLUSH SEAM PANEL

For walls, fascia, soffit and ceilings - features a stucco embossed texture.

See Pg. 28



Above: Berridge FW-12 Panel

### THIN-LINE PANEL

For soffit, wall, fascia and ceiling applications. Features a strong channel drain design.

See Pg. 28



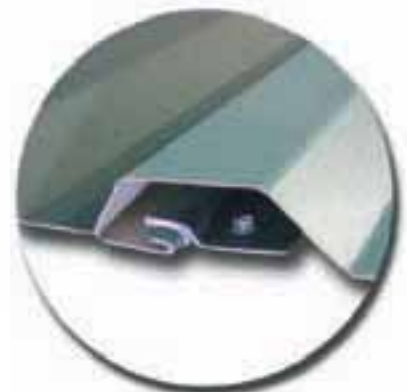


# Berridge HR-16 Panel

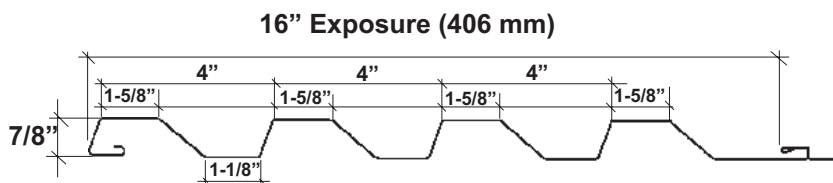
07 61 00/BER  
BuyLine 4950

Horizontal or Vertical Wall Panels  
Versatile, maintenance-free,  
prefinished metal wall panels

- Hidden Fasteners
- May be Used Horizontally or Vertically
- Extruded Rib Appearance
- Multi-purpose Panel
- 24 Ga. standard, 22 Ga. available



Detail of HR-16  
Panel Interlock



H-R 16 Panel Cross Section

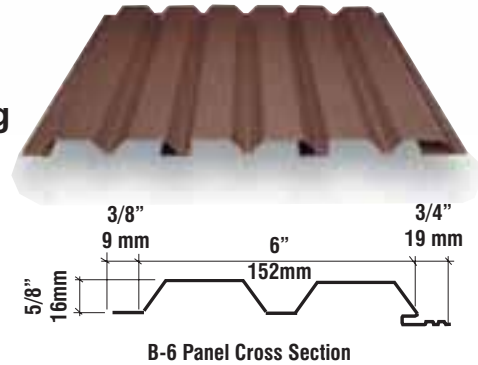


**See [www.berridge.com](http://www.berridge.com) for Specifications & Details**

# 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



See [www.berridge.com](http://www.berridge.com) for Specifications & Details

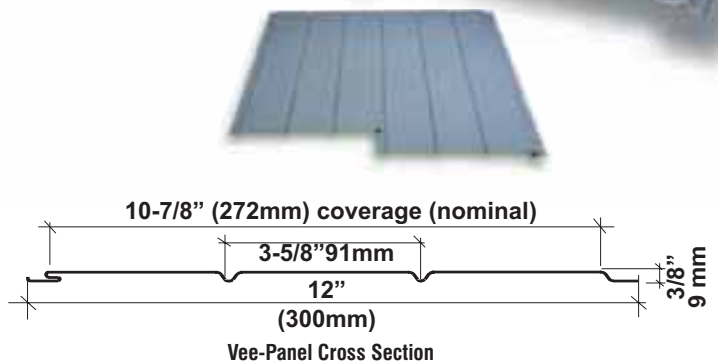
# Berridge Vee-Panel

& Vented Vee-Panel  
Soffit, Wall & Facade System

- 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



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.



See [www.berridge.com](http://www.berridge.com) for Specifications & Details





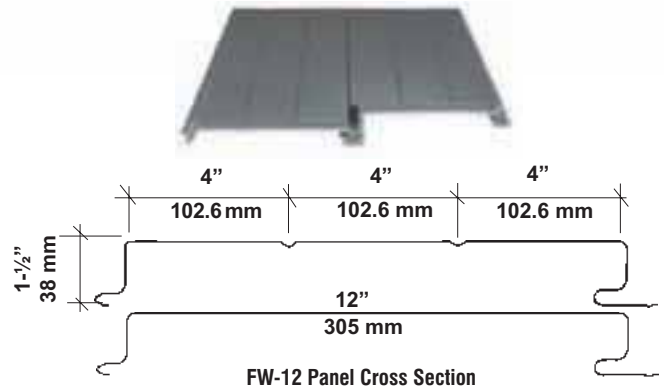
# Berridge FW-12 & Vented FW-12 Panel

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
- Optional 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.

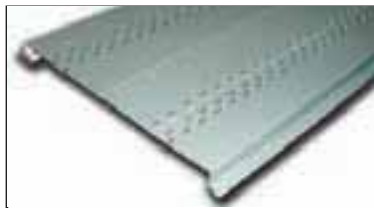


See [www.berridge.com](http://www.berridge.com) for Specifications & Details

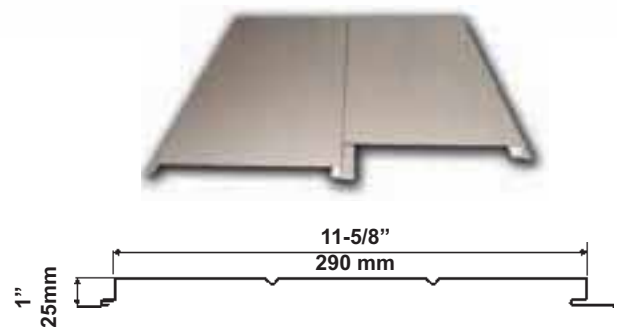
# Berridge L- Panel Soffit and fascia system\*

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

- Hidden fasteners
- Flush appearance
- Multi-purpose panel
- Available with or without grooves
- Panel may be vented
- May be site-formed using Berridge Model FP-16 portable roll-former



Vented L-Panel provides 6.70 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.



\*Not recommended for wall applications.



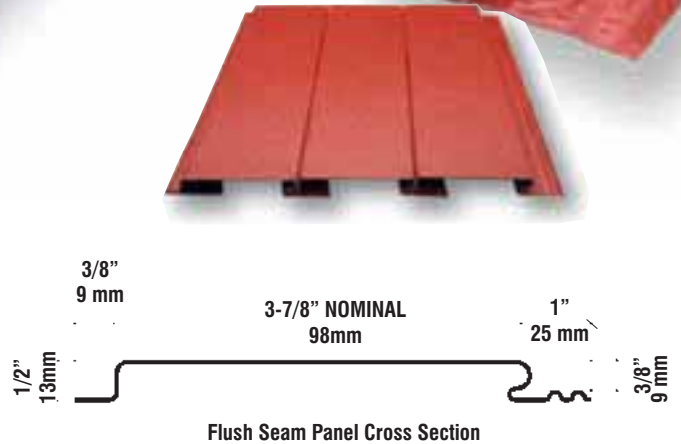
See [www.berridge.com](http://www.berridge.com) for Specifications & Details

# 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
- Use horizontally for soffit
- Use vertically for facade or wall
- Self-venting
- Optional "Wood Grain" embossed texture

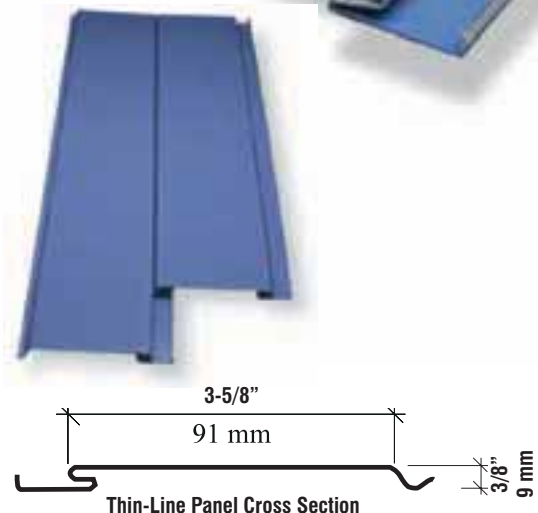


# Berridge Thin-Line Panel

## Fascia, 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 fascia or wall
- Optional "Wood Grain" or stucco embossed texture







Above: Berridge Fluted Fascia Panel



Above: Berridge Curved Flat Seam Panel



Above: Berridge Colonial Siding

Berridge offers several unique products for special applications. Each is fabricated from 24-gauge steel and is available in a wide range of long life color finishes, all with hidden fasteners.

## FLUTED FASCIA PANEL

A multi-use panel for vertical wall or fascia applications. Features a crisp, fluted appearance.

See Pg. 30



## FISH SCALE SHINGLE

For vertical gable or steep mansard applications. Features concealed fasteners and wood grain texture.

See Pg. 30



## CURVED FLAT SEAM

Features 8" coverage, concealed fasteners and a flat seam appearance for curved applications over solid substrate.

See Pg. 31



## COLONIAL SIDING

Features a horizontal, clapboard siding appearance in an 8" coverage panel.

See Pg. 31



## BOARD & BATT SIDING

A vertical wall or fascia panel with 8" coverage and a board and batt appearance.

See Pg. 31



# Berridge Fluted Fascia Panel

## Wall & Facade Panel

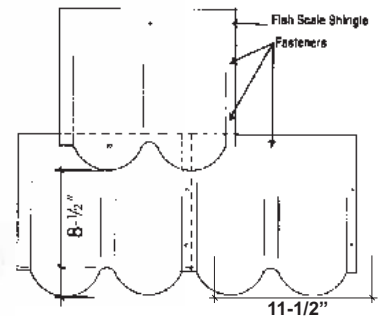
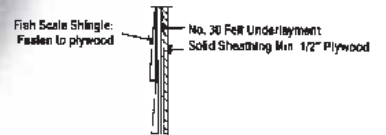
Clean, crisp fluted vee-groove texture for large expanses of vertical fascia, facade or steep mansard.

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



# Berridge Fish Scale Shingle

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



Fish Scale Shingle Details

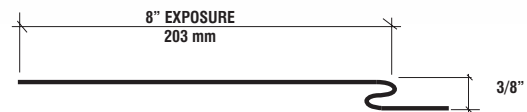




# Berridge Curved Flat Seam Panel

07 61 00/BER  
BuyLine 4950

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



Flat Seam Panel Cross Section

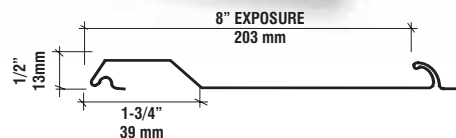
# Berridge Colonial and Board & Batt Siding

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

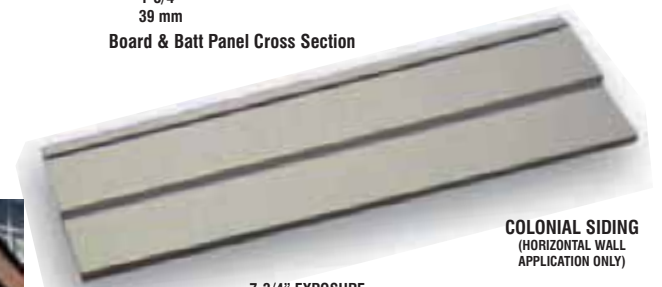
- Hidden fasteners
- Maintenance-free
- Strong interlock
- Optional "Wood Grain" embossed texture



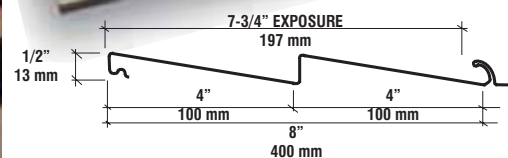
BOARD & BATT PANEL  
(VERTICAL WALL APPLICATION ONLY)



Board & Batt Panel Cross Section



COLONIAL SIDING  
(HORIZONTAL WALL APPLICATION ONLY)



Colonial Siding Cross Section



See [www.berridge.com](http://www.berridge.com) for Specifications & Details



Above: Berridge Spaceframe Building Systems Components



Above & Below: Berridge Vantage Point Light Gauge Steel Framing System



Berridge offers a full line of 24 and 16 gauge structural shapes for a wide variety of purposes, including new construction, retrofit roofing systems, canopies, equipment screens and fascia systems.

## SPACEFRAME

The new Berridge Spaceframe Building Systems Components are used for the construction of light commercial and residential projects.

See Pg. 33



## 24 & 16 GA. MEMBERS

Berridge also offers both 24 gauge and 16 gauge steel framing shapes for the construction of canopies, equipment screens and fascia systems

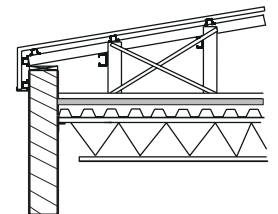
See Pg. 33-34



## VANTAGE POINT

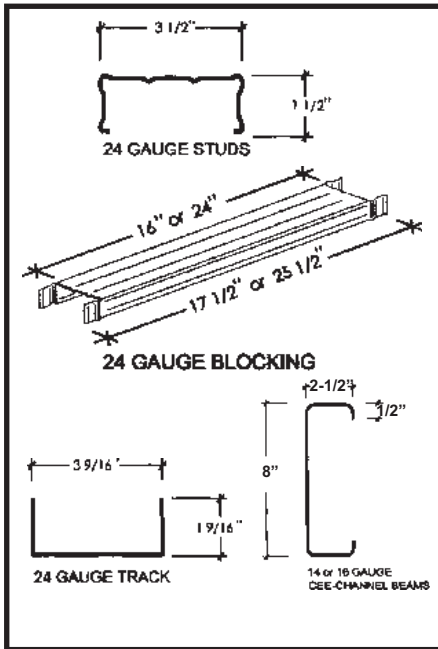
Berridge Vantage Point is a retrofit roof framing system for converting old flat roofs into sloped standing seam roofs.

See Pg. 35





# Berridge Spaceframe Building System Components



SINGLE 24 GA STUD



PHYSICAL PROPERTIES					GROSS PROPERTIES						
THICKNESS (in)	DEPTH (in)	FLANGE (in)	LIP (in)	WEIGHT (lb/ft)	Ag (in <sup>2</sup> )	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Iy (in <sup>4</sup> )	Sy (in <sup>3</sup> )	rx (in)	ry (in)
0.024	3.5	1.450	---	0.535	0.157	0.252	0.155	0.043	0.039	1.265	0.526

TORSIONAL PROPERTIES			FULL BRACED PROPERTIES & ALLOWABLE STRENGTH					
J (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	Ae (in <sup>2</sup> )	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	TENSION (lbs)	MOMENT (lbs-ft)	SHEAR (lbs)
0.00003023	0.0715	-1.045	0.105	0.252	0.155	3771	309	1171

DOUBLE 24 GA. STUD



PHYSICAL PROPERTIES					GROSS PROPERTIES						
THICKNESS (in)	DEPTH (in)	FLANGE (in)	LIP (in)	WEIGHT (lb/ft)	Ag (in <sup>2</sup> )	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	Iy (in <sup>4</sup> )	Sy (in <sup>3</sup> )	rx (in)	ry (in)
0.024	3.5	1.450	---	0.535	0.31491	0.504	0.309	0.149	0.097	1.265	0.689

TORSIONAL PROPERTIES			FULL BRACED PROPERTIES & ALLOWABLE STRENGTH					
J (in <sup>4</sup> )	Cw (in <sup>6</sup> )	Xo (in)	Ae (in <sup>2</sup> )	Ix (in <sup>4</sup> )	Sx (in <sup>3</sup> )	TENSION (lbs)	MOMENT (lbs-ft)	SHEAR (lbs)
0.00006046	0.14307	0.00	0.21001	0.504	0.309	7542	618	2343

## 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.

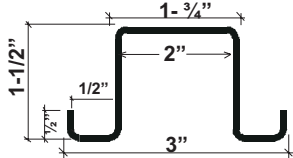
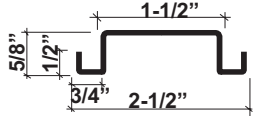
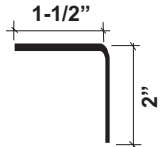
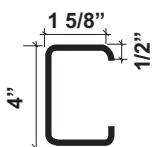
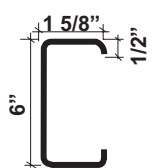
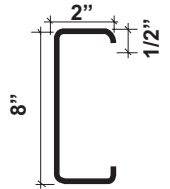
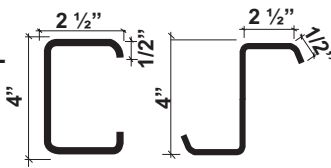
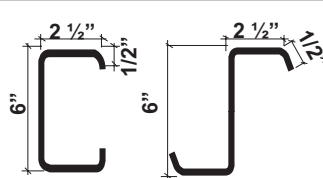
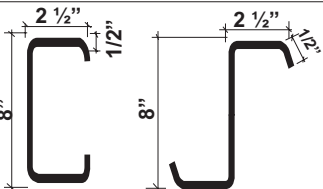


COMPONENT	Weight/L.F.	A (In <sup>2</sup> ) (Full)	I (Effective) in <sup>4</sup>		Allow. Moment (in. - kips)		Allow. Shear (kips)
			T.I.C.	B.I.C.	T.I.C.	B.I.C.	
<b>HAT SECTION PURLIN</b> 	.65 lbs	.1900	.0665	.0679	1.61	1.77	1.01
<b>FRAMING SECTION</b> 	.65 lbs	.1900	.0759	.0866	1.80	2.26	1.08
<b>CHANNEL SECTION</b> 	.47 lbs	.138	.0530	.0556	1.15	1.21	1.08
<b>FURRING CHANNEL</b> 	.35 lbs	0.1030	.0180	.0180	0.78	0.86	.53

### NOTES FOR 24 (0.60mm) & 16 (1.52mm) GAUGE SHAPES:

- Values based on 2007 North American Specification for the Design of Cold-Formed Steel Structural members, with compression flange braced against lateral buckling.
- Net section properties are used for resisting moment determination and allowable shear loads.
- Minimum yield strength = 40 k.s.i. for 24 gauge shapes and 50 k.s.i. for 16 gauge shapes.
- E = 29,500 ksi.
- Values are for upward and downward loads.
- T.I.C. = Top in Compression
- B.I.C. = Bottom in Compression

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

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



## 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. Added insulation may be added on the existing flat roof.

### Economical Installation— No Tear-Off Required!

#### High-Quality Structural/Architectural Panel

The Berridge Zee-Lock architectural/structural standing seam roof systems provides superior aesthetic appearance and excellent performance.



#### Single-Source Convenience:

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

ZEE-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:**  
Accommodated at the eaves and with inner rib expansion joints.

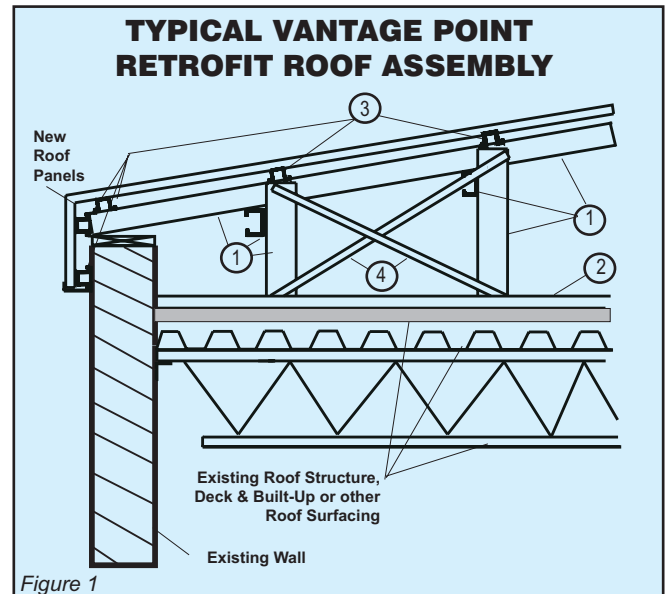
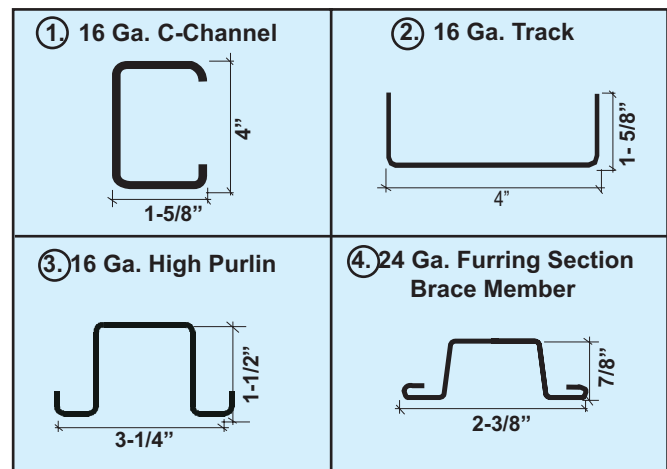


Figure 1



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



## **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>

### **HEADQUARTERS**

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Local: 210-650-3050



*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 800-669-0009 to schedule a seminar.*

### **SALES & DISTRIBUTION BRANCH OFFICES:**

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