

**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Berridge Manufacturing Co.**  
1720 Maury  
Houston, TX 77026-7199

Your application for Notice of Acceptance (NOA) of:

**Berridge Manufacturing Company Zee Lock Panel**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 01-0103.04**  
**EXPIRES: 04/26/2006**



Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL  
CONDITIONS  
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.



Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 04/26/2001**

**ROOFING ASSEMBLY APPROVAL**

**Category:** Roofing  
**Sub-Category:** Non-Structural Metal Roofing

Approval Date: **April 26, 2001**

Expiration Date: **April 26, 2006**

**Materials:** Steel  
**Maximum Design Pressure** -52.5 psf

**TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:**

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Berridge Zee-Lock Panel with Continuous Zee-Rib Clip	See drawings herein Thickness.025"	PA 125	G-90 galvanized panels coated with various approved coatings Fluoropon, Kynar, or Hylar
Berridge Zee- Clip Rib	See drawings herein Thickness.025"	PA 125	G-90 galvanized panels coated with various approved coatings Fluoropon, Kynar, or Hylar
Berridge Zee-Lock bearing plate	2-7/16 wide 6" long Thickness.025"	PA 125	G-90 galvanized panels coated with various approved coatings Fluoropon, Kynar, or Hylar

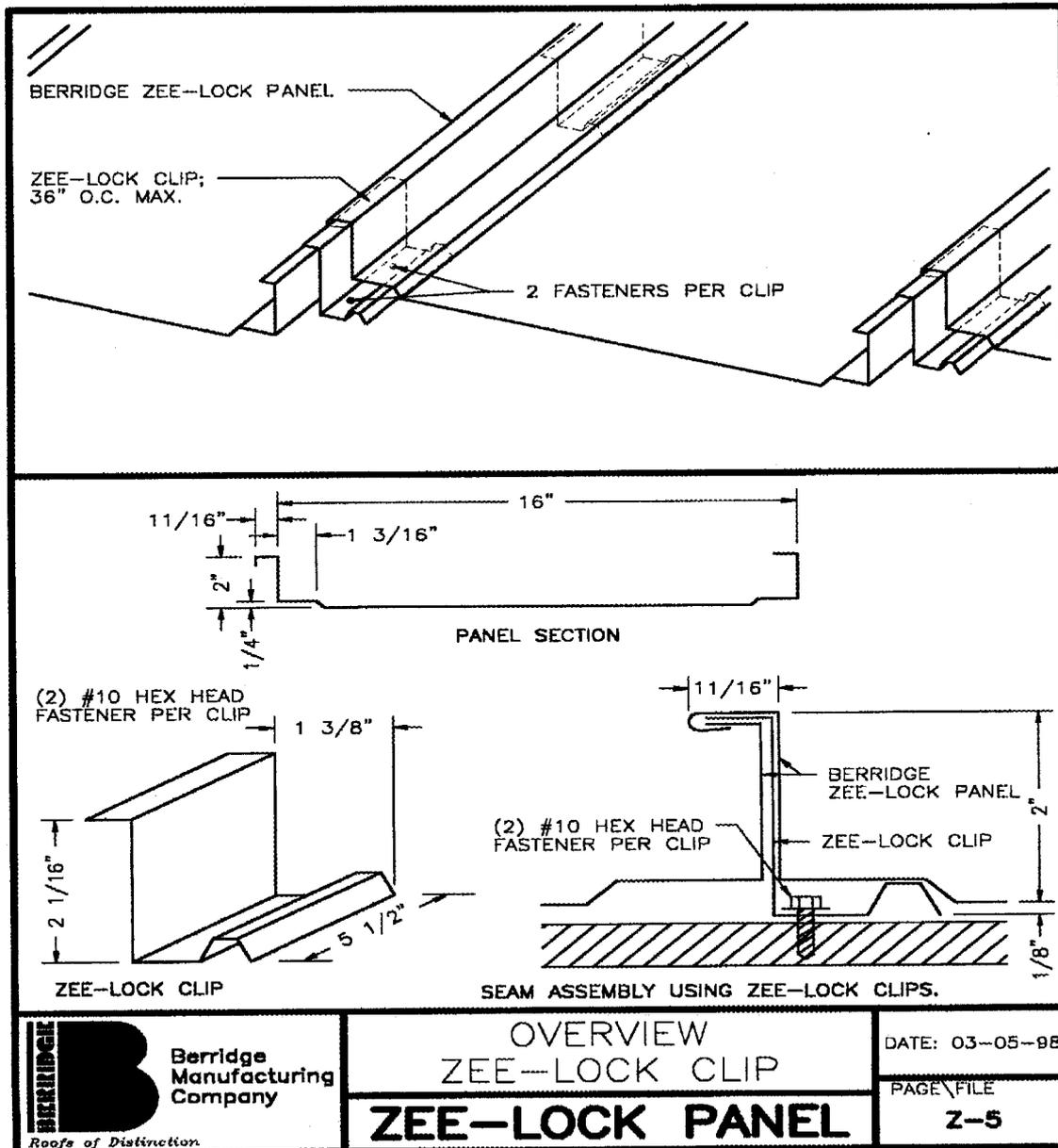
**EVIDENCE SUBMITTED:**

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Underwriters Laboratories, Inc.	90RT7576	Uplift Pressure Testing UL 580-Construction No. 312, 335, 403	May 1993
Celotex Testing Services	MTS 258239C	PA-100	Oct 1997
The Glidden Company	Certified Laboratory Test Report	Physical Properties ASTM G 23	Sept. 1992
The Glidden Company	Certified Laboratory Test Report	Physical Properties ASTM B 117	Jan. 1993



Frank Zuloaga, RRC  
 Roofing Product Control Examiner

Zee-Lock Panels




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**APPROVED ASSEMBLIES:**

- Deck Type:** Wood, Non-insulated
- Deck Description:** 19/32" or greater plywood or wood plank
- Slope Range:** 2":12" or greater
- Maximum Uplift:** The maximum allowable design pressure for the 16" wide panel shall be **-52.5 psf**
- Deck Attachment:** In accordance with applicable building code, but in no case shall it be less than # 8 x 1 1/2 in. bugle head screws. In reroofing, where the deck is less than 19/32" thick (Minimum 15/32") The above attachment method must be in addition to existing attachment.
- Panel Clips:** One piece clips 2-1/16" in. high, 1-3/8 in. wide by 5-1/2 in. long. Clip located at each panel rib side lap spaced at a maximum 36" o.c., fastened with minimum of two # 10 x 1" pan head corrosion resistant screws of sufficient length to penetrate through the sheathing a minimum 3/16 of an inch.
- Underlayment:** Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with corrosion resistant tin-caps and 1 1/4" annular ring-shank nails, spaced 6" o.c. at all laps and two staggered rows 12" o.c. in the field of the roll.
- Valleys:** Valley construction shall be in compliance Roofing Application Standard RAS 133 and with Berridge Manufacturing Company's current published installation instructions.
- Fire Barrier Board:** For class A or B fire rating, install minimum 1/4" thick Georgia Pacific "Dens Deck" (with current NOA) or minimum 4mm thick of Tritex, RockRoof (with current NOA) or 5/8" water resistant type X gypsum sheathing with treated core and facer.
- Metal Panels and Accessories:** Install the Zee Lock Panels including flashings penetrations, valleys, and accessories in compliance with Berridge Manufacturing Company's current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133. Standing seams shall be mechanically seamed to a full 90° seam



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- Deck Type:** Steel Insulated
- Deck Description:** Metal roof deck panels 24 MSG coated steel 40,000 psi min. Panels continuous over two or more spans without end laps.
- Slope Range:** 2":12" or greater
- Maximum Uplift:** The maximum allowable design pressure for the 16" wide panel shall be **-52.5 psf**
- Deck Attachment:** Minimum metal deck secured in compliance with applicable building code.
- Insulation (Optional):** (Requires a bearing plate of 2-7/16 wide by 6 inch. long for panel clip attachment) Maximum 4" thick of an approved rigid board insulation having a current NOA with a minimum 25psi compressive strength fastened with approved fasteners and plates. Fastening density shall be in compliance with applicable Building Code and Roofing Application Standard RAS 117.
- Panel Clips:** One piece clips 2-<sup>1</sup>/<sub>16</sub> in. high, 1-<sup>3</sup>/<sub>8</sub> in. wide by 5-<sup>1</sup>/<sub>2</sub> in. long. Clip located at each panel rib side lap spaced at a maximum 12" o.c., fastened with minimum of two # 12 pan head corrosion resistant screws of sufficient length to penetrate through the bottom flute of the deck a minimum 3/4 of an inch.
- Underlayment:** Minimum underlayment shall be an ASTM D 226 Type II installed with a minimum 4" side-lap and 6" end-laps. Underlayment shall be fastened with approved corrosion resistant insulation fasteners and plates. Spaced 12" o.c. on the laps and two rows spaced 24" o.c. in the field of roll. Or any Miami-Dade County Product Control Approved self-adhered underlayment
- Valleys:** Valley construction shall be in compliance Roofing Application Standard RAS 133 and with Berridge Manufacturing Company's current published installation instructions.
- Fire Barrier Board:** For class A or B fire rating, install minimum 1/4" thick Georgia Pacific "Dens Deck" (with current NOA) or minimum 4mm thick of Tritex, RockRoof (with current NOA) or 5/8" water resistant type X gypsum sheathing with treated core and facer.
- Metal Panels and Accessories:** Install the Zee Lock Panels including flashings penetrations, valleys, and accessories in compliance with Berridge Manufacturing Company's current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133. Standing seams shall be mechanically seamed to a full 90° seam.



**SYSTEM LIMITATIONS:**

1. Increased design pressures at perimeter and corner areas, in compliance with applicable building code may be met through rational analysis by increasing the number of attachment points in these areas. The maximum fastener spacing noted in the "Systems Description" section of this approval shall not be exceeded. All rational analysis computation shall be prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.
2. Panels shall be roll formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Miami-Dade County Roofing Application Protocol RAS 133.
3. All panels shall be permanently labeled with the manufacturer's name and/or logo, and the following statement: "Miami-Dade County Product Control Approved. All clips shall be permanently labeled with manufacturer's name, and/or logo, and/or model.



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**NOTICE OF ACCEPTANCE STANDARD CONDITIONS**

- 1 Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
- 2 Any and all approved products shall be permanently labeled with the manufacturer's name, city, state, and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
- 3 Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
- 4 Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
- 5 Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process;
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purposes.
- 6 The Notice of Acceptance number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
- 7 A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The copies need not be resealed by the engineer.
- 8 Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
- 9 This Acceptance contains pages 1 through 7.

**END OF THIS ACCEPTANCE**



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Roofing Product Control Examiner