



BUILDING CODE COMPLIANCE OFFICE
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
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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

American Buildings Company
P. O. Box 800 1150 State Docks Road
Eufaula ,AL 36072-9950

Your application for Notice of Acceptance (NOA) of:

LOC-Seam 360 Metal Roof 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.: 01-0802.07
EXPIRES: 10/04/2006

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: 10/04/2001

ROOFING SYSTEM APPROVAL:

Category: Roofing Approval Date: **October 04, 2001**
Sub-Category: Metal, Panels(Non-Structural)
Material: Steel Expiration Date: **October 04,2006**
Deck Type: Steel
Maximum Design Pressure -70 psf

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specifications</u>	<u>Product Description</u>
Loc-seam 360	Length: various Height: 2" Width:16" Thickness 0.026	PA 110	Corrosion resistant, galvalume, performed, standing seam, coated, pre-finished, metal panels.
Panel Clips	Length: 3" Width: 1-1/2" Height: 2-3/8" Thickness 0.026	PA 110	Corrosion resistant, two piece formed, painted or unpainted steel clips for metal panel installation.
Clip Bearing Plate	Length: 4" Width: 4-7/8" Thickness 0.060"	PA 110	Corrosion resistant, galvalume, performed, square supporting plate used under panel clips.
End Lap Stiffener	Length: 12-1/2" Width: 15-1/2" Thickness 0.060"	PA 110	Corrosion resistant, galvalume, performed, half-circle tabs, stiffening plate utilized at end laps.

EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Name/Report</u>	<u>Date</u>
Hurricane Test Laboratory, Inc.	0207-0403-01 Specimen # 1-3	Uplift Pressure Testing UL 580	June 2001
Celotex Corp.	#52034	Salt Spray ASTM B 117	April 2000
Asphalt Technologies	ABC-01-02-01	Accelerated Weathering ASTM G 26	May. 2000
Celotex Corp.	#52034-2	PA 114 (Appendix "G")	March 2000
Celotex Corp.	#520534-3	PA-100-95 (Wind Driven Rain Test)	March 2000


 Frank Zuloaga, RRC
 Roofing Product Control Examiner

APPROVED ASSEMBLIES:

- System:** LOC-Seam 360 Metal Panel with Mechanically Crimped Seams
- Deck Type:** 18-22 ga. Steel
- Slope Range:** 2":12" or greater
- Maximum Uplift Pressure:** The maximum allowable design pressure for the 16" wide panel shall be **-70 psf**.
- Deck Attachment:** Type B galvanized (G90) steel deck shall be secured 6" o.c. to structural supports spaced a maximum of 5 ft o.c in accordance with applicable Building Code, but in no case shall it be less than 5/16" puddle welds and 1" x 7/8" steel weld washers at bottom of each flute.
- Insulation:** (Requires listed bearing plate for clip attachment) Minimum 3/4" to maximum 4" thick of an approved rigid board insulation with 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.
- Underlayment:** Minimum underlayment shall be a ASTM D 226 Type II installed with a minimum 4" side-laps and 6" end-laps. Underlayment shall be fastened with approved corrosion resistant fasteners and plates, spaced 12" o.c. on the laps and two rows 24" o.c. in the field of roll. Or any Miami-Dade County Product Control Approved self-adhering underlayment having a current NOA.
- Bearing Plate:** Fastened the approved clip bearing plate over the prepared roofing with four (4) #12 self-drilling screws of sufficient length to penetrate through bottom flange of the metal deck a minimum of 1/2".
- 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.
- Valleys:** Valley construction shall be in compliance with Roofing Application Standard RAS 133 and with the current published installation instructions and details in American Buildings Metal Roofing Installation Manual.
- Metal Panels and Accessories:** Install the "Loc-Seam 360 Metal Panel" panels including flashings penetrations, valleys, end laps and accessories in compliance American Building Company's current, published installation instructions and in compliance with the minimum requirements detailed in Roofing Application Standard RAS 133.
- Panels shall be installed with approved clips (3" long x 2" tall), attached to the bearing plates with two (2) corrosion resistant #12 x 1-1/4" self-drilling screws at a spacing not exceed 2'-6" o.c. Standing seams shall be mechanically seamed to a full 180° seam, (single lock).

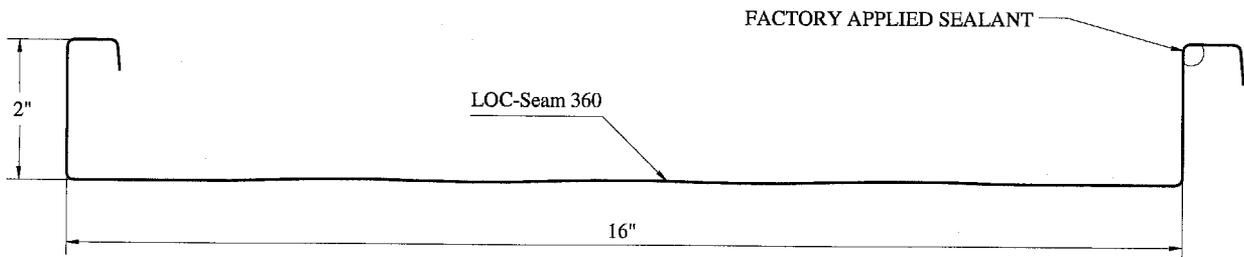


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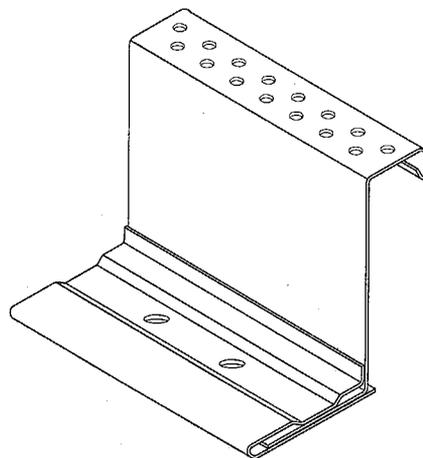
LIMITATIONS

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 may be roll formed in continuous lengths from eave to ridge. Maximum lengths shall be as described in Roofing Application Standard 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 the manufacturer's name and/or logo, and/or model.
4. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.

PROFILE DRAWINGS

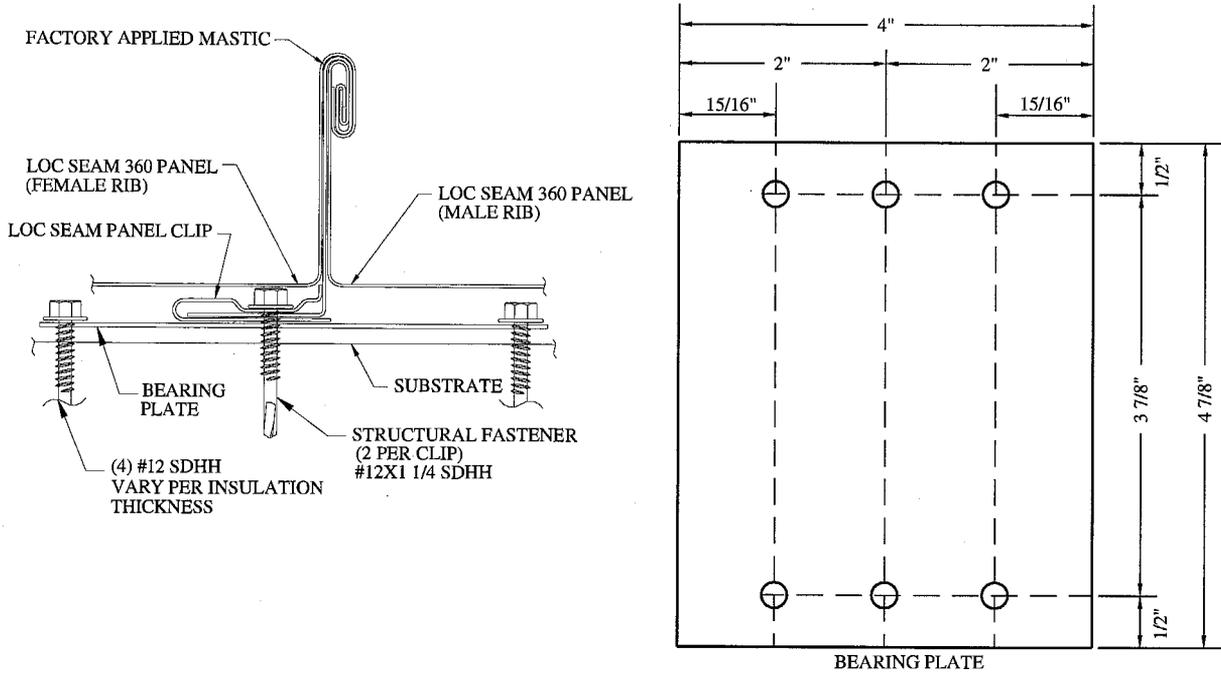


LOC-SEAM 350 METAL PANEL

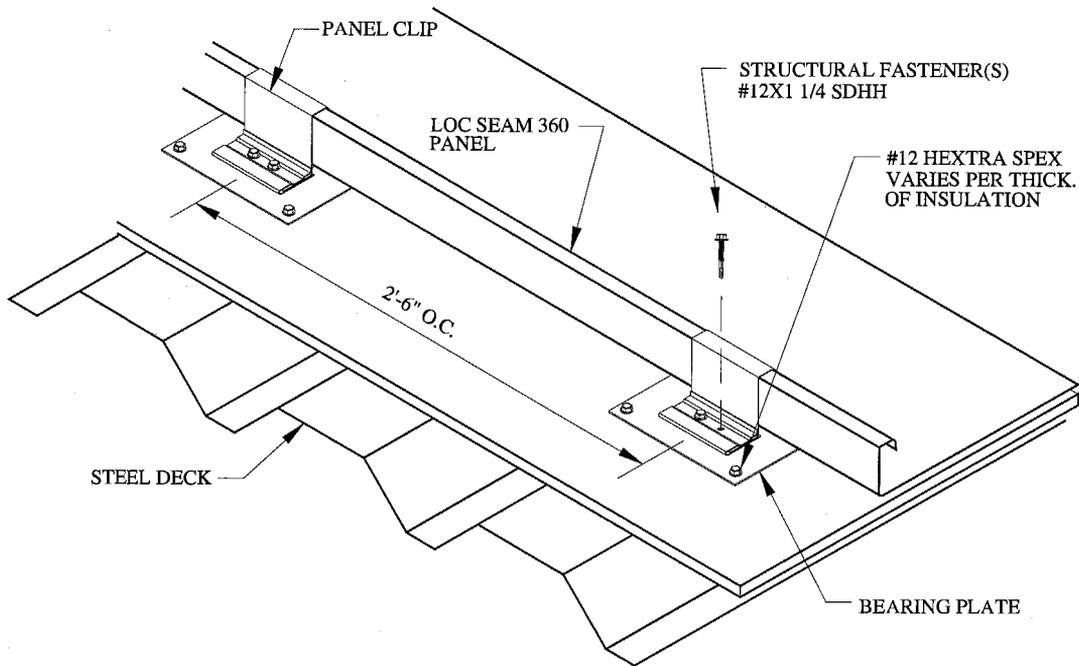


PANEL CLIP

PROFILE DRAWINGS



LOC-SEAM 360 ROOF PANEL AND PANEL CLIPS



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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 6.

END OF THIS ACCEPTANCE



Frank Zuloaga, RRC
Roofing Product Control Examiner