



BUILDING CODE COMPLIANCE OFFICE
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CONTRACTOR ENFORCEMENT DIVISION
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PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

PRODUCT CONTROL NOTICE OF ACCEPTANCE

LL Building Products, Inc. (NC)
295 McKay Road
Burgaw ,NC 28425

Your application for Notice of Acceptance (NOA) of:

AIC12 Aluminum Turbine VENT

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.: 00-1222.02

EXPIRES: 06/10/2002

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: 03/22/2001

ROOFING COMPONENT APPROVAL

Category: Roofing Components
Sub-Category: Roof Vent
Type: Turbine
Materials: Aluminum, Steel

Approval Date: March 22, 2001

Expiration Date: June 10, 2002

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
AIC12	18" wide at base 19.46" high Base 0.020" thick Turbine top 0.020" thick Elbow & Dome 0.020" thick Brace 0.025" thick Vanes 0.032" thick	PA 100(A)	12" opening turbine ventilation system with galvanize steel components and aluminum vanes.
Turbine Cap	12" dia. 2.07" high 0.024" thick	PA 100(A)	Turbine cap to be installed in the event of a Hurricane Warning.

TRADE NAMES OF PRODUCTS MANUFACTURED BY OTHERS:

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>	<u>Manufacturer</u>
Asphalt Roof Cement		ASTM D 4586	Asbesto-free, asphalt based roof cement.	generic
Asphalt Primer		ASTM D 41	Asphalt Primer	Generic
Aluminum Roofing Nails	Min. #12 x 1 1/4"	PA 114	Aluminum annular ring shank nails	generic
Sheet Metal Screws	Minimum #10 x 1/2"	PA 114	Sheet metal screw	generic

EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Celotex Corporation Testing Services	520128-13	PA 100(A)	Feb. 1999



Frank Zuloaga, RRC
 Roofing Product Control Examiner

APPROVED APPLICATIONS**Tradename:** AIC12**System Type A:** Mechanical attachment of turbine vent over composite shingles.**Cutout:** At chosen location and centered between two roof rafters, cut a 12" diameter hole through shingles and sheathing boards. Make a mark on the shingles 5½" uproof from the top of the cutout, and 5½" to the right and left of the cutout edges.**Installation:** Starting with a shingle course downroof edge closest to horizontal center line of the 12" cutout, roll all shingles in the area between the three marks carefully upward, and completely remove all shingle nails which are exposed and within the area enclosed by the marks.

Loosen clamp screw on vent system base. Place mounting base unit flat on the shingles on its flashing and, standing with one foot on each side of the flashing, turn the upper adjustable stack section to a vertical position, rotating flashing section as required. (Note: This adjustment must be made before anchoring base flashing to roof.) Now tighten clamp screw to lock in position.

Coat underside of base flashing with roofing cement, and, in its pitch-adjusted position, carefully slide upper half of flashing up roof beneath shingles previously rolled back, until base is centered over 12" cutout. Again rolling back the shingles where necessary, and rechecking pitch setting for vertical alignment, secure the base unit to the roof with a minimum of eight roofing nails, equally spaced, approximately 1½" from stack. Nails shall be of sufficient length to penetrate through roof sheathing a minimum of ½". Apply roofing cement to underside of shingles overlapping flashing, and press them down onto the flashing. Nail down flashing not covered by shingles ½" to 1" from outer edge with a minimum of four nails equally spaced.

Set turbine firmly on crimped base collar, anchor with three sheet metal screws through holes in turbine base ring.

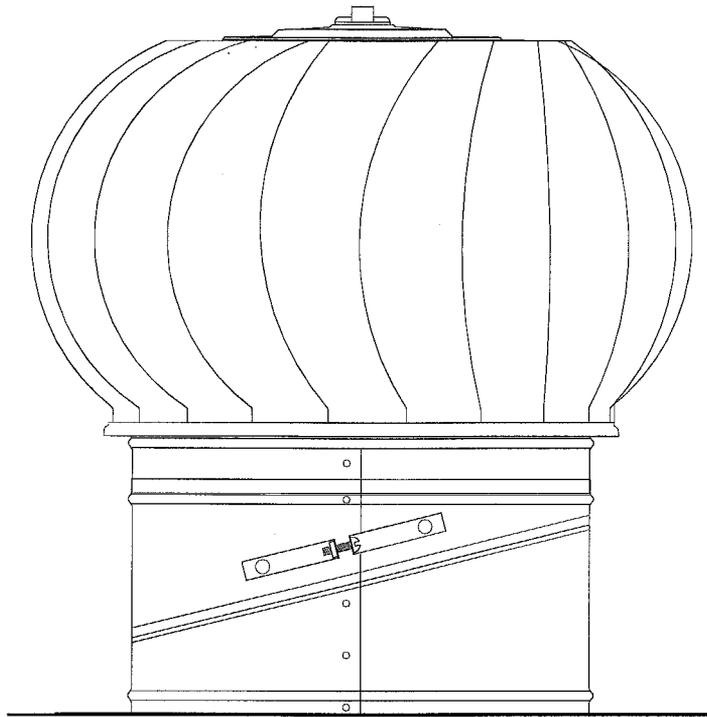
Note: **Apply roofing cement to all exposed flashing edges and gutter sealing caulking to the junction of stack and flashing, the bead joining the upper and lower stack sections and the vertical seam in the upper and lower stack sections and all exposed nail heads.****Net Free Area:** Refer to manufacturers published literature**Slope:** 2:12, minimum

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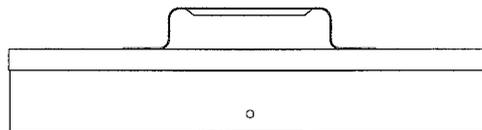
LIMITATIONS:

1. Refer to applicable building codes for required ventilation.
2. In the event of a Hurricane Warning or in the event of a high wind event with expected wind speeds in excess of 70 mph, the turbine head shall be removed and replaced with the approved storm cap listed herein.
3. This acceptance is for installations over asphaltic shingle or low slope roofing.
4. AIC12 turbine roof ventilators shall not be installed on roof mean heights greater than 33 ft

DETAIL



AIC12 Turbine



Turbine Cap

A handwritten signature in black ink, appearing to read "Frank Zuloaga".

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 5.

END OF THIS ACCEPTANCE

Frank Zuloaga, RRC
Roofing Product Control Examiner