

# Florida Building Code

## Master Flow<sup>®</sup> Roof Ventilation Products

Updated 6/8/10



Your Best and Safest Choice<sup>™</sup> ...  
Quality You Can Trust Since 1886!



[DCA HOME](#) | [ABOUT DCA](#) | [DCA PROGRAMS](#) | [CONTACT DCA](#)

[BCIS Home](#) | [Log In](#) | [User Registration](#) | [Hot Topics](#) | [Submit Surcharge](#) | [Stats & Facts](#) | [Publications](#) | [FBC Staff](#) | [BCIS Site Map](#) | [Links](#) | [Search](#)



## Product Approval

USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

- ▶ COMMUNITY PLANNING
- ▶ HOUSING & COMMUNITY DEVELOPMENT
- ▶ EMERGENCY MANAGEMENT
- ▶ OFFICE OF THE SECRETARY

FL #	FL5027-R4
Application Type	Revision
Code Version	2007
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	LL Building Products, Inc sub of GAFMC
Address/ Phone/ Email	295 McKoy Road Burgaw, NC 28403 (910) 259-6374 Ext 244 sboehling@gaf.com
Authorized Signature	Steve Boehling sboehling@gaf.com
Technical Representative	Steve Boehling
Address/ Phone/ Email	295 McKoy Road Burgaw, NC 28425 sboehling@gaf.com
Quality Assurance Representative	Enrique Morales
Address/ Phone/ Email	295 McKoy Road Burgaw, NC 28425 emorales@gaf.com
Category	Roofing
Subcategory	Roofing Accessories that are an Integral Part of the Roofing System
Compliance Method	Certification Mark or Listing
Certification Agency	Miami-Dade BCCO - CER
Validated By	Miami-Dade BCCO - VAL
Referenced Standard and Year (of Standard)	<b>Standard</b> TAS(100)(A)
	<b>Year</b> 1995
Equivalence of Product Standards	
Certified By	
Product Approval Method	Method 1 Option A
Date Submitted	03/23/2010

Date Validated 03/31/2010  
 Date Pending FBC Approval 04/28/2010  
 Date Approved 06/08/2010

Summary of Products		
FL #	Model, Number or Name	Description
5027.1	AR10 Ridge Vent	10' long aluminum ridge vent - in embossed mill finish and colors
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: AR10 Ridge Vents shall not be installed on roof mean heights greater than 33 feet per Miami-Dade NOA 07-1012.03. The AR10 Ridge Vent complies with the HVHZ of the Florida Building Code		<b>Certification Agency Certificate</b> <a href="#">FL5027_R4_C_CAC_AR10_NOA_07101203.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 07/17/2012 <b>Installation Instructions</b> <a href="#">FL5027_R4_II_AR10_NOA_07101203.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
5027.2	GC12E Turbine Vent	12" galvanized Turbine Roof Ventilator (externally braced in mill finish and in colors)
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: GC12E Turbine Vents shall not be installed on roof mean heights greater than 33 feet and these vents are approved for asphaltic shingle or low slope roofing per Miami-Dade NOA 07-0418.02. The GC12E Turbine Vent complies with the HVHZ of the Florida Building Code.		<b>Certification Agency Certificate</b> <a href="#">FL5027_R4_C_CAC_GC12E_NOA.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 07/17/2012 <b>Installation Instructions</b> <a href="#">FL5027_R4_II_GC12E_Install from NOA.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
5027.3	PR Solar1/PR Hybrid1	Roof Mounted Solar Powered Attic Ventilator
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Approved for installations of asphaltic roofs with mean roof heights no greater than 33 feet per Miami-Dade BCCO NOA 05-0620.05. The PR Solar1 Roof Vent complies with the HVHZ of the Florida Building Code		<b>Certification Agency Certificate</b> <a href="#">FL5027_R4_C_CAC_NOA_09-1130.02</a> <a href="#">PRSolar1_PRHybrid1_Power Roof Vent.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 11/10/2015 <b>Installation Instructions</b> <a href="#">FL5027_R4_II_NOA_09-1130.02_PRSolar1_PRHybrid1_Power Roof Vent.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
5027.4	PR1D Power Roof Vent	Roof Mounted Powered Attic Ventilator
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Approved for installations of asphaltic roof with mean roof heights no greater than 33 feet per Miami-Dade BCCO NOA 08-0107.10. The PR1D Power Roof Vent complies with the HVHZ of the Florida Building Code		<b>Certification Agency Certificate</b> <a href="#">FL5027_R4_C_CAC_PR1D_NOA_08010710.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 02/24/2013 <b>Installation Instructions</b> <a href="#">FL5027_R4_II_PR1D_NOA_08010710.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
5027.5	PR2D Powered Roof Vent	Roof mounted powered attic ventilator
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Approved for installations of asphaltic roof with mean roof heights no greater than 33 feet per Miami-Dade BCCO NOA 03-0306.12. The PR2D Power Roof Vent complies with the HVHZ of the Florida Building Code		<b>Certification Agency Certificate</b> <a href="#">FL5027_R4_C_CAC_PR2D_NOA_08-0604.04.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 10/31/2013 <b>Installation Instructions</b> <a href="#">FL5027_R4_II_PR2D_NOA_08-0604.04.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party: <b>Evaluation Reports</b> Created by Independent Third Party:
5027.6	PR3XD Powered Roof Vent	Roof Mounted Powered Attic Ventilator
<b>Limits of Use</b> Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: N/A		<b>Certification Agency Certificate</b> <a href="#">FL5027_R4_C_CAC_PR3XD_NOA_08-0604.05.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 10/31/2013

<b>Design Pressure:</b> N/A <b>Other:</b> Approved for installations of asphaltic roof with mean roof heights no greater than 33 feet per Miami-Dade BCCO NOA 03-0306.13. The PR3XD Power Roof Vent complies with the HVHZ of the Florida Building Code		<b>Installation Instructions</b> <a href="#">FL5027_R4_II_PR3XD_NOA_08-0604.05.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party:
5027.7	SSB960 Static Roof Louver	Off-ridge aluminum static roof louver in various colors
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> Yes <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> N/A <b>Other:</b> SSB960 Roof Louvers shall not be installed on roof mean heights greater than 33 feet and are to be installed on asphaltic shingle roofing per Miami-Dade NOA 07-1030.06. The SSB960 Static Roof Louver complies with the HVHZ of the Florida Building Code.		<b>Certification Agency Certificate</b> <a href="#">FL5027_R4_C_CAC_SSB960_NOA_07103006.pdf</a> <b>Quality Assurance Contract Expiration Date</b> 01/31/2013 <b>Installation Instructions</b> <a href="#">FL5027_R4_II_SSB960_NOA_07103006.pdf</a> Verified By: Miami-Dade BCCO - CER Created by Independent Third Party:
		<b>Evaluation Reports</b> Created by Independent Third Party:

[Back](#)

[Next](#)

Department of Community Affairs  
 Florida Building Code Online  
 Codes and Standards  
 2555 Shumard Oak Boulevard  
 Tallahassee, Florida 32399-2100  
 (850) 487-1824, Fax (850) 414-8436  
 © 2000-2010 The State of Florida. All rights reserved.

[Privacy Statement](#) | [Copyright Statement](#) | [Accessibility Statement](#) | [Plug-in Software](#) | [Customer Service Survey](#) | [Contact Us](#)

Product Approval Accepts:





BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

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

**NOTICE OF ACCEPTANCE (NOA)**

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

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: AR-10 Ridge Vent**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA No. 07-0418.01 and consists of pages 1 through 3.  
The submitted documentation was reviewed by Jorge L. Acebo.



NOA No.: 07-1012.03  
Expiration Date: 07/17/12  
Approval Date: 02/14/08  
Page 1 of 3

## ROOFING SYSTEM APPROVAL

**Category:** Roofing  
**Sub-Category:** Ventilation  
**Material:** Aluminum

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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
AR10 Ridge Vent	1.71": height 8":width 10":length 0.025": Min. embossed thickness	TAS 100(A)	Aluminum static louvered roof ventilation system

### EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Center for Applied Engineering, Inc.	MDC-106	TAS100(A)	Feb. 1995
Celotex Corporation Testing Services	520128-3	TAS 100(A)	Jan. 1999
PRI Construction Material Technologies	LLB-015-02-01	TAS 100(A)	08/01/07

### GENERAL LIMITATIONS:

1. Refer to applicable Building Code for required ventilation.
2. AR10 Ridge Vent. Shall comply with applicable building code.
3. AR10 Ridge Vent shall not be installed on roof mean heights greater than 33 feet.
4. AR10 Ridge Vent shall comply with 1517.6 of the Florida Building Code (FBC)



NOA No.: 07-1012.03  
Expiration Date: 07/17/12  
Approval Date: 02/14/08  
Page 2 of 3

**APPROVED ASSEMBLIES:**

**Trade name:** AR10 Ridge Vent

**System Type C:** Mechanical attachment of static vent over composite shingles.

**Cutout:** Refer to manufacturer's published literature

**Installation:** Install end plug on the end of the vent sealed with 100% silicone sealant. AR10 Aluminum Ridge Vent shall be 4" longer than ventilation slot as to provide a base for the end plug.

Apply ¼" wide bead of 100% silicone sealant caulk to the bottom flange of the AR10 Aluminum Ridge Vent sections close to where roof hole will be after vent is installed. Align end of first section on the end marks and the bottom of the nailing flange on the chalk line (4" down on both side of the ridge peak). Nail the AR10 Aluminum Ridge Vent in place using 1½" aluminum ring shank roofing nails 12" o.c., with the first nail 1½" to 2" from the vent end. All nail heads and vent section joints shall be sealed with 100% silicone sealant.

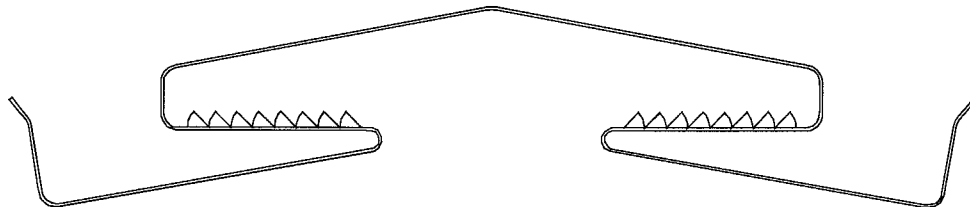
Install LL Building Products, Inc.. High Wind Straps over each end of ridge vent, all connections between sections, and at 3' intervals over the remainder of the vent using four 1½" aluminum ring shank-roofing nails per strap.

**Ventilation**

**Calculations:** Refer to manufacturer's published literature

**Minimum Slope:** 2:12

**DETAIL**



**AR10 Ridge Vent**

**END OF THIS ACCEPTANCE**



NOA No.: 07-1012.03  
Expiration Date: 07/17/12  
Approval Date: 02/14/08  
Page 3 of 3



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

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

**NOTICE OF ACCEPTANCE (NOA)**

**LL Building Products Inc.  
295 McKoy Road  
Burgaw, NC 28425**

**SCOPE:**  
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: GC12E Turbine Vent**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 05-0822.03 and consists of pages 1 through 4.  
The submitted documentation was reviewed by Alex Tigera.



**NOA No.: 07-0418.02  
Expiration Date: 07/17/12  
Approval Date: 07/12/07  
Page 1 of 4**



# ROOFING COMPONENT APPROVAL

**Category:** Roofing Components  
**Sub-Category:** 07720 Ventilation  
**Type:** Turbine Roof Vent  
**Materials:** Steel  
**Deck:** Wood

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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
GC12E turbine vent	18" wide at base 20" high 26 gauge minimum thickness	TAS 100(A)	12" diameter opening turbine ventilation system

## EVIDENCE SUBMITTED

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
Celotex Corp. Testing Services	520128-9	TAS 100	Jan. 1999
PRI Asphalt Technologies, Inc.	LLB-006-02-01	TAS 100	05/12/04

## APPROVED ASSEMBLY:

**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" up roof from the top of the cutout, and 5½" to the right and left of the cutout edges.

**Installation:** Starting with a shingle course down roof 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 roof using 11 ga. roofing nails approximately 1" from the edge at all corners and at the center of each edge. Next place roofing nails every 45° approximately 1" out from the stack. Use a minimum of (24) twenty-four

NOA No.: 07-0418.02

Expiration Date: 07/17/12

Approval Date: 07/12/07

Page 2 of 4



nails (See Fastening Pattern below). 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.

Set turbine firmly on crimped base collar, anchor with (3) three corrosion resistant #10 x ½" 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 and screw heads.

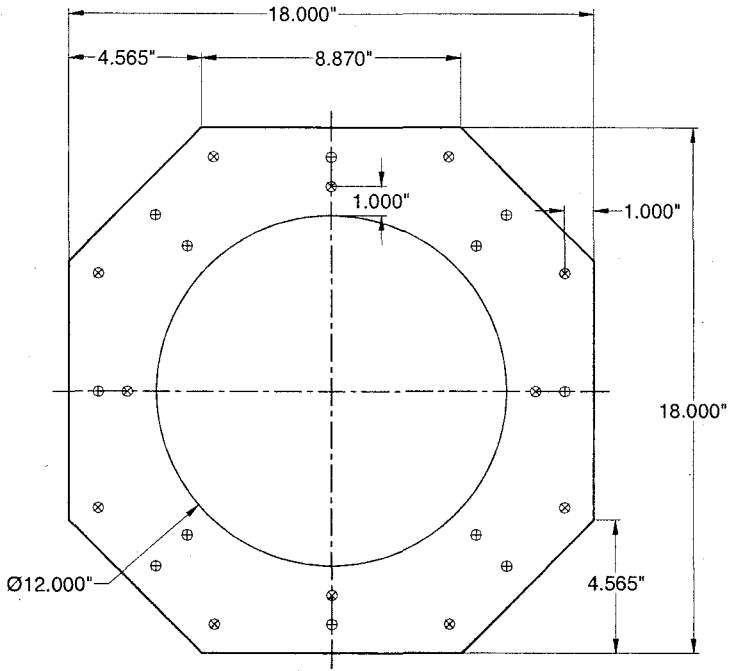
**Net Free Area:** Refer to manufacturers published literature

### **LIMITATIONS:**

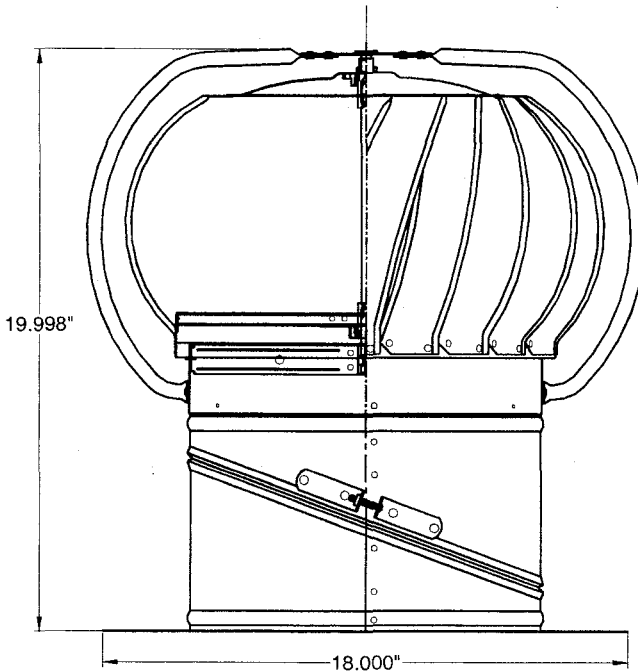
1. Refer to applicable Building Codes for required ventilation.
2. GC12E Turbine Vent shall comply with applicable Building Code.
3. This acceptance is for installations over asphaltic shingle or low slope roofing.
4. GC12E Turbine Vent shall not be installed on roof mean heights greater than 33 feet.
5. GC12E Turbine Vent shall comply with 1517.6 of the Florida Building Code (FBC).
6. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.



# DETAILS



**Turbine Base**



**GC12E Turbine**

**END OF THIS ACCEPTANCE**





BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

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

**NOTICE OF ACCEPTANCE (NOA)**

**LL Building Products, Inc.**  
**295 McKoy Road**  
**Burgaw, NC 28425**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: PR Solar1 / PRHybrid1 Power Roof Vent**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This revises and renews NOA# 05-0620.05 and consists of pages 1 through 3.  
The submitted documentation was reviewed by Alex Tigera.



NOA No.: 09-1130.02  
Expiration Date: 11/10/15  
Approval Date: 03/03/10  
Page 1 of 3

**ROOFING COMPONENT APPROVAL**

**Category:** Roofing  
**Sub-Category:** 07720 Ventilation  
**Material:** G-90 Galvanized Steel

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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
PRSolar1 Power Roof Vent	19" x 28"x28" 0.020" thick Steel	TAS 100	Solar Powered Roof Vent, with fan and thermostat with a galvanized hood.
PRHybrid1 Power Roof Vent	19" x 28"x28" 0.020" thick Steel	TAS 100	Solar/Electric Powered Roof Vent, with fan and thermostat with a galvanized hood.

**EVIDENCE SUBMITTED:**

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
PRI Asphalt Technologies	TAS 100	LLB-014-02-02	05/09/05

**APPROVED APPLICATIONS**

**Cutout:** Vent must be place 18" from ridgeline. At chosen location and centered between two roof rafters, cut a 15" diameter hole through shingles and sheathing boards.  
 Using marked position as center point; scribe a circle that is the same diameter as the vent throat opening. Starting with the drill hole cut vent hole.

**Installation:** Vents should be evenly spaced on the rear slope of the roof.  
 Remove roofing nails from top row of shingles so the flashing of the roof vent will slide under shingles. Apply approved roof cement around the edge of the hole. Carefully slide base of vent under shingles with arrow facing up. Make sure the throat of the vent is centered over vent hole. Fasten the base to roof decking at corners, and approx. 4" o.c. 1" from the outside edge of the flange and 1" from stack every 45° with approved roofing nails, keeping heads of nails under shingles where possible. Use a minimum of 32 nails and shall be of sufficient length to penetrate through roof sheathing a minimum of ½". See details drawings herein. Seal all seams and nails with roofing cement. After mounting the vent elevate the adjustable solar panels to achieve maximum exposure to the sun and lock in position.

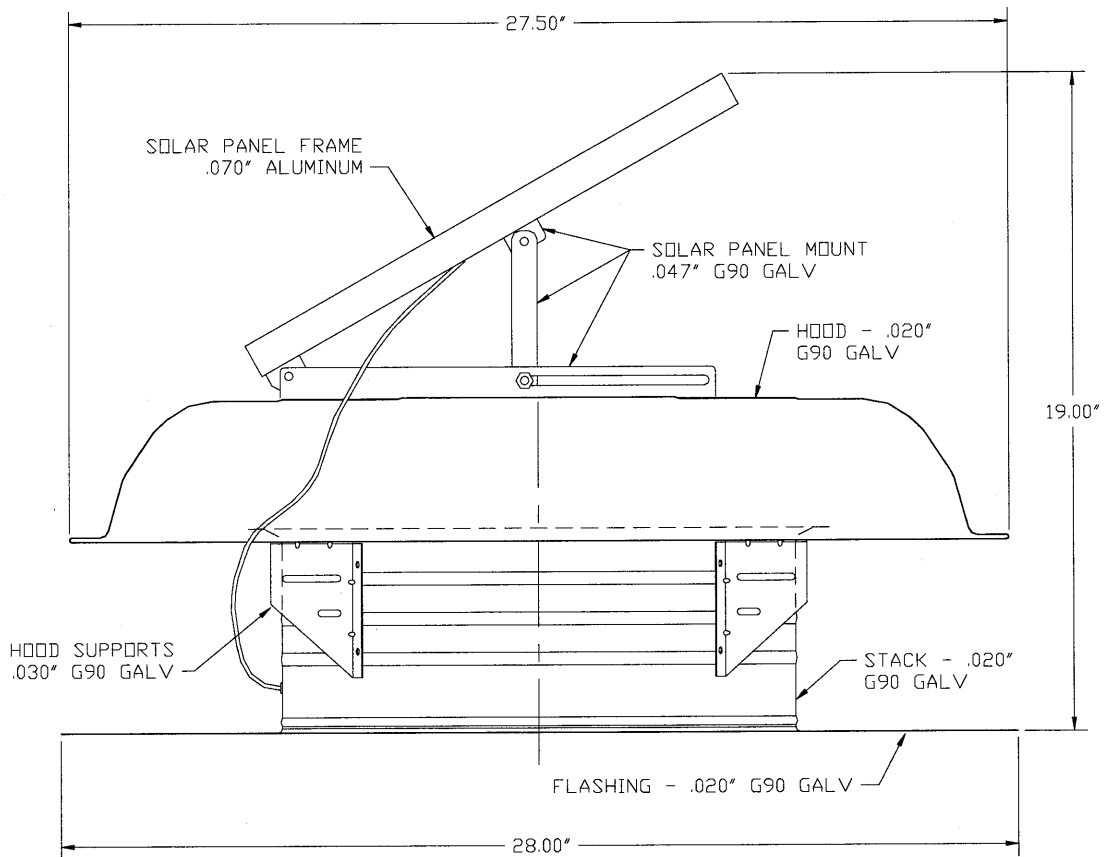
**Net Free Area:** Refer to manufacturers published literature



**LIMITATIONS:**

1. Refer to applicable building codes for required ventilation.
2. For PRSolar1 / PRHybrid1 Power Roof Vent, thermostat shall be installed in compliance with LL Building Products, Inc. published instructions, and in accordance with applicable Building Codes.
3. This acceptance is for installations over asphaltic shingle roofs only.
4. PRSolar1/PRHybrid1 Power Roof Vent shall not be installed on roof mean heights greater than 33 feet.

**DETAIL DRAWINGS  
PRSolar1 / PRHYBRID1 POWER ROOF VENT**



**END OF THIS ACCEPTANCE**



NOA No.: 09-1130.02  
Expiration Date: 11/10/15  
Approval Date: 03/03/10  
Page 3 of 3



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

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

**NOTICE OF ACCEPTANCE (NOA)**

**LL Building Products, Inc.  
295 McKoy Road  
Burgaw, NC 28425**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: PR1D/MD105D Power Roof Vent**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA No. 03-0306.08 and consists of pages 1 through 3.  
The submitted documentation was reviewed by Jorge L. Acebo.



**NOA No.: 08-0107.10  
Expiration Date: 02/24/13  
Approval Date: 02/28/08  
Page 1 of 3**

## ROOFING COMPONENT APPROVAL

**Category:** Roofing  
**Sub-Category:** Ventilation  
**Material:** G-90 Galvanized Steel (Aluminum Hood)

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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
PR1D/MD105D Power Roof Vent	9.31" x 28.00" 0.020" thick Steel (Min. 0.028" thick for Aluminum Hood)	TAS 100	Powered Roof Vent, with fan and thermostat with a galvanized or aluminum hood.

### EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Celotex Corp. Testing Service	TAS 100(A)	520412	October 1999
PRI Asphalt Technology	TAS 100(A)	LLB-002-02-01	June 2002

### APPROVED APPLICATIONS

**Cutout:** Vent must be placed 18" from ridgeline. At chosen location and centered between two roof rafters, cut a 15" diameter hole through shingles and sheathing boards.

Using marked position as center point, scribe a circle that is the same diameter as the vent throat opening. Starting with the drill hole cut vent hole.

**Installation:** Vents should be evenly spaced on the rear slope of the roof.

Remove roofing nails from top row of shingles so the flashing of the roof vent will slide under shingles. Apply approved roof cement around the edge of the hole. Carefully slide base of vent under shingles with arrow facing up. Make sure the throat of the vent is centered over vent hole. Fasten the base to roof decking at corners, and approx. 4" o.c. 1" from the outside edge of the flange and 1" from stack every 45° with approved roofing nails, keeping heads of nails under shingles where possible. Use a minimum of 32 nails and shall be of sufficient length to penetrate through roof sheathing a minimum of ½". See details drawings herein. Seal all seams and nails with roofing cement.

**Net Free Area:** Refer to manufacturers published literature



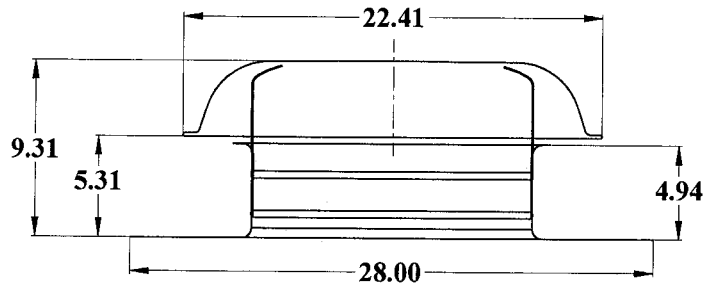
NOA No.: 08-0107.10  
Expiration Date: 02/24/13  
Approval Date: 02/28/08  
Page 2 of 3



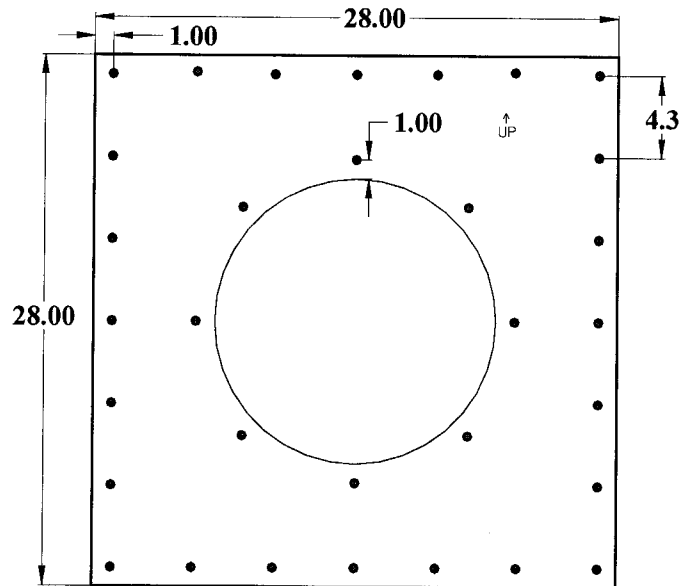
**LIMITATIONS:**

1. Refer to applicable building codes for required ventilation.
2. For PR1D/MD105D Power Vent, thermostat and wiring shall be installed in compliance with LL Building Products, Inc. published instructions, and in accordance with applicable Building Codes.
3. This acceptance is for installations over asphaltic shingle roofs only.
4. PR1D/MD105D Power Roof Vent shall not be installed on roof mean heights greater than 33 feet.

**DETAIL DRAWINGS  
PR1D/MD105D POWERED ROOF VENT**



**ALL DIMENSIONS IN INCHES**



**END OF THIS ACCEPTANCE**





**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

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

**NOTICE OF ACCEPTANCE (NOA)**

**LL Building Products, Inc.  
295 McKoy Road  
Burgaw, NC 28425**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: PR2D/HI22D Power Roof Vent**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA No. 03-0306.12 and consists of pages 1 through 3.  
The submitted documentation was reviewed by Jorge L. Acebo.



**NOA No.: 08-0604.04  
Expiration Date: 10/31/13  
Approval Date: 08/14/08  
Page 1 of 3**

# ROOFING SYSTEM APPROVAL

**Category:** Roofing  
**Sub-Category:** Ventilation  
**Material:** G-90 Galvanized Steel (Aluminum Hood)

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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
PR2D/HI22D Power Vent	10.41" x 27.5" 0.020" thick Steel (Min. 0.028" thick for Aluminum Hood)	TAS 100(A)	Powered roof ventilation system with a galvanized or aluminum hood.

## EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Celotex Corp. Testing Service	PA 100(A)	520315-4	June 1999
PRI Asphalt Technology	TAS 100(A)	LLB-003-02-01	June 2002

## APPROVED APPLICATIONS:

**Cutout:** Vent must be place 18" from ridge line. At chosen location and centered between two roof rafters, cut a 15" diameter hole through shingles and sheathing boards. . Make a mark on the shingles 7" up the roof from the top of the cutout, and 7" to the right and left of the cutout edges.

Using marked position as center point; scribe a circle that is the same diameter as the vent throat opening. Starting with the drill hole cut vent hole.

**Installation:** Vents should be evenly spaced on the rear slope of the roof.

Remove roofing nails from top row of shingles so the flashing of the roof vent will slide under shingles. Apply approved roof cement around the edge of the hole. Carefully slide base of vent under shingles with arrow facing up. Make sure the throat of the vent is centered over vent hole. Fasten the base to roof decking at corners, and approx. 4" o.c. 1" from the outside edge of the flange and 1" from stack every 45° with approved roofing nails, keeping heads of nails under shingles where possible. Use a minimum of 32 nails and shall be of sufficient length to penetrate through roof sheathing a minimum of 1/2". See details drawings herein. Seal all seams and nails with roofing cement.

**Net Free Area:** Refer to manufacturers published literature

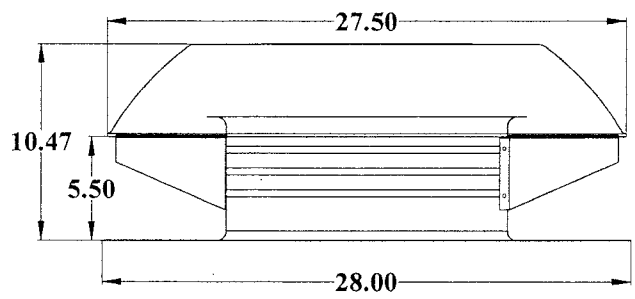


**LIMITATIONS:**

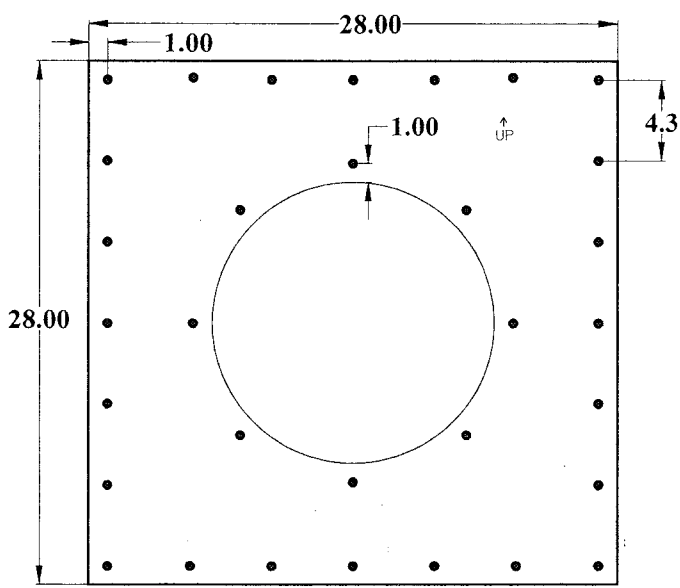
- 1. Refer to applicable building codes for required ventilation.
- 2. For PR2D/HI22D Power Vent, thermostat and wiring shall be installed in compliance with LL Building Products, Inc. published instructions, and in accordance with applicable Building Code requirements.
- 3. This acceptance is for installations over asphaltic shingle roofs only.
- 4. PR2D/HI22D Power Roof Vent shall not be installed on roof mean heights greater than 33 feet.
- 5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.
- 6. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



**DETAIL DRAWINGS  
MODEL PR2D/HI22D & NAILING PATTERN**



**ALL DIMENSIONS IN INCHES**



**END OF THIS ACCEPTANCE**





**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

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

**NOTICE OF ACCEPTANCE (NOA)**

**LL Building Products, Inc.  
295 McKoy Road  
Burgaw, NC 28425**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: PR3XD/PSR10D Power Roof Vent**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA No. 03-0306.13 and consists of pages 1 through 3.  
The submitted documentation was reviewed by Jorge L. Acebo.



**NOA No.: 08-0604.05  
Expiration Date: 10/31/13  
Approval Date: 08/14/08  
Page 1 of 3**

# ROOFING SYSTEM APPROVAL

**Category:** Roofing  
**Sub-Category:** Ventilation  
**Material:** G-90 Galvanized Steel (Aluminum Hood)

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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
PR3XD/PSR10D	9.48" x 27.5" 0.020" thick Steel (Min. 0.028" thick for Aluminum Hood)	TAS 100(A)	Powered roof ventilation system with a galvanized or aluminum hood.

## EVIDENCE SUBMITTED:

<u>Test Agency/Identifier</u>	<u>Name</u>	<u>Report</u>	<u>Date</u>
Celotex Corp. Testing Service	PA 100(A)	520315-5	June 1999
PRI Asphalt Technology	TAS 100 (A)	LLB-004-02-01	June 2002

## APPROVED APPLICATIONS:

**Cutout:** Vent must be placed 18" from ridgeline. At chosen location and centered between two roof rafters, cut a 17" diameter hole through shingles and sheathing boards. Make a mark on the shingles 7" up the roof from the top of the cutout, and 7" to the right and left of the cutout edges.

Using marked position as center point, scribe a circle that is the same diameter as the vent throat opening. Starting with the drill hole cut vent hole.

**Installation:** Vents should be evenly spaced on the rear slope of the roof.

Remove roofing nails from top row of shingles so the flashing of the roof vent will slide under shingles. Apply approved roof cement around the edge of the hole. Carefully slide base of vent under shingles with arrow facing up. Make sure the throat of the vent is centered over vent hole. Fasten the base to roof decking at corners, and approx. 4" o.c. 1" from the outside edge of the flange and 1" from stack every 45° with approved roofing nails, keeping heads of nails under shingles where possible. Use a minimum of 32 nails and shall be of sufficient length to penetrate through roof sheathing a minimum of 1/2". See details drawings herein. Seal all seams and nails with roofing cement.

**Net Free Area:** Refer to manufacturers published literature

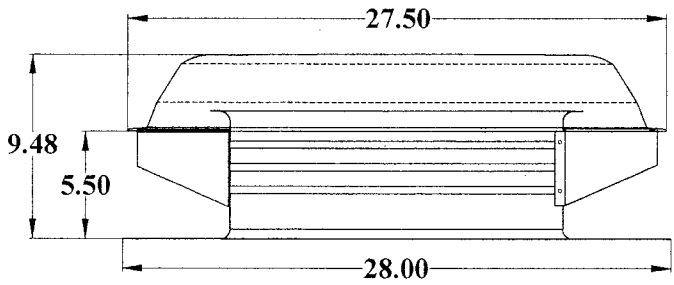
NOA No.: 08-0604.05  
Expiration Date: 10/31/13  
Approval Date: 08/14/08  
Page 2 of 3

# LIMITATIONS:

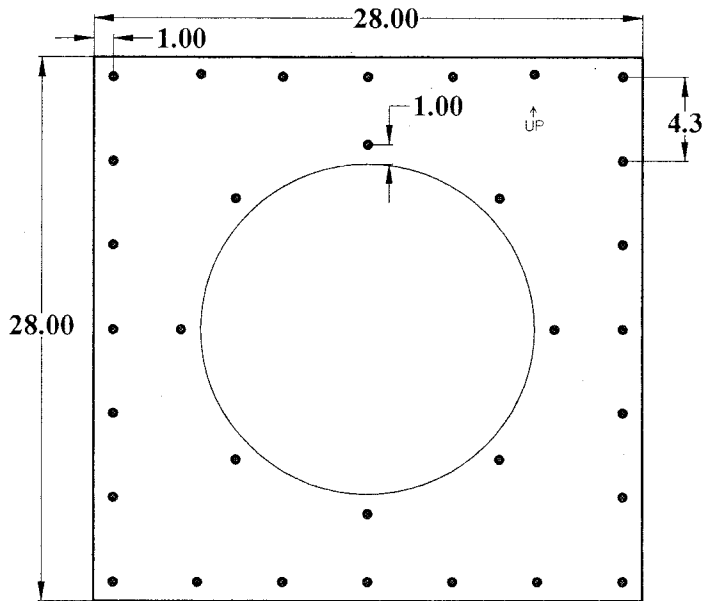
1. Refer to applicable building codes for required ventilation.
2. For PR2D/PSR10D Power Vent, thermostat and wiring shall be installed in compliance with LL Building Products, Inc. published instructions, and in accordance with applicable Building Codes.
3. This acceptance is for installations over asphaltic shingle roofs only.
4. PR2D/PSR10D Power Roof Vent shall not be installed on roof mean heights greater than 33 feet.
5. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 9B-72 of the Florida Administrative Code.
6. All approved products listed herein shall be labeled and shall bear the imprint or identifiable marking of the manufacturer's name or logo and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



## DETAIL DRAWINGS MODEL PR3XD/PSR10D & NAILING PATTERN



ALL DIMENSIONS IN INCHES



END OF THIS ACCEPTANCE





BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION

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

**NOTICE OF ACCEPTANCE (NOA)**

**LL Building Products, Inc.**  
295 McKoy Road  
Burgaw, NC 28425

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code and the High Velocity Hurricane Zone of the Florida Building Code.

**DESCRIPTION: SSB 960 Static Roof Louver**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This renews NOA No. 07-0418.03 and consists of pages 1 through 4.  
The submitted documentation was reviewed by Alex Tigera.

NOA No.: 07-1030.06  
Expiration Date: 01/31/13  
Approval Date: 01/31/08  
Page 1 of 4





## ROOFING ASSEMBLY APPROVAL

**Category:** Roofing  
**Sub-Category:** Ventilation  
**Materials:** Aluminim

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

<u>Product</u>	<u>Dimensions</u>	<u>Test Specification</u>	<u>Product Description</u>
SSB960 Roof Louvers	Vent Ht.: 4.93" Vent Width: 11.52" Vent Length: 15 1/4" Base: 18" x 20 1/2" Min. Embossed Thickness: 0.025"	TAS 100(A)	Aluminum static louvered roof ventilation system

### 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
Roofing Nails	Minimum #12 x 1 1/4"	TAS 114	Corrosion resistant annular ring shank nails	Generic

### EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Description</u>	<u>Date</u>
PRI Construction Materials	LLB-016-02-01	TAS 100(A)	September 2007
Celotex Corporation Testing Services	520368	TAS 100(A)	August 1999

NOA No.: 07-1030.06  
 Expiration Date: 01/31/13  
 Approval Date: 01/31/08  
 Page 2 of 4



## APPROVED APPLICATIONS

**Tradename:** SSB960

**System Type C:** Mechanical attachment of static vent over composite shingles.

**Cutout:** Vents shall be evenly centered. Center the vent hole between rafters and 18" max. down from the ridge line to keep the top of the roof vent below the ridge line. Mark this position.

Using marked position as center point, scribe a circle that is the same diameter as the vent throat opening. Starting with the drill hole cut vent hole.

**Installation:** Vents should be evenly spaced on the rear slope of the roof.

Remove roofing nails from top row of shingles so the flashing of the roof vent will slide under shingles. Apply approved roof cement around the edge of the hole. Carefully slide base of vent under shingles with non-louvered, slant back facing the peak of roof. Make sure the throat of the vent is centered over vent hole. Fasten the base to roof decking at all corners and 4" o.c. 1" from edge of the vent flange with 1-3/4" x 3/8" annular ring shank nails. (See SSB960 louver roof vent profile drawing). Seal all seams and nail heads with roofing cement.

**Net Free Area:**

See Manufacturer's Specifications

**Minimum  
Slope:** 2:12

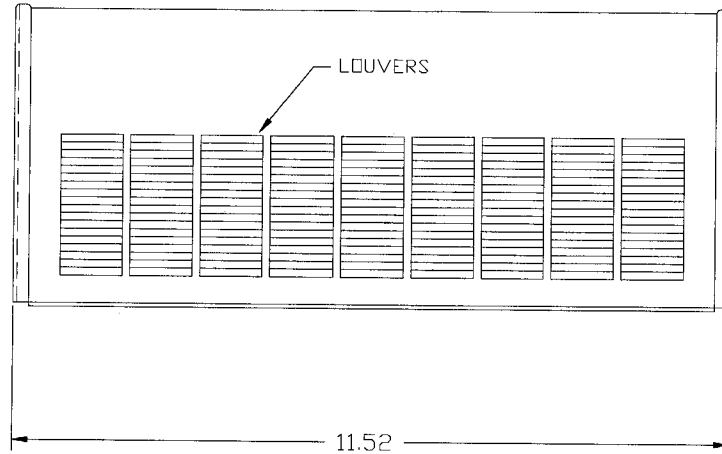
## GENERAL LIMITATIONS:

1. LL Building Products, Inc. SSB960 Roof Louvers shall not be installed on roof mean heights greater than 33 feet.

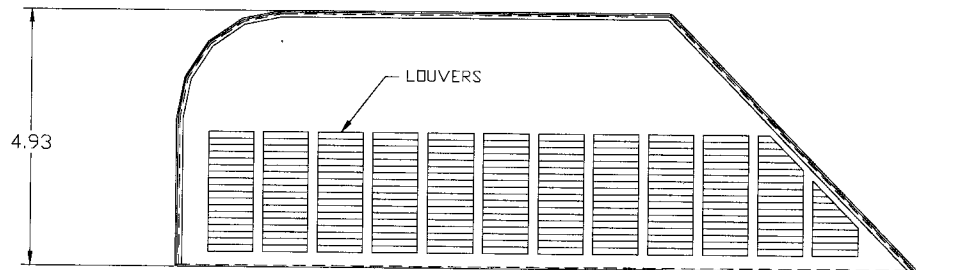
NOA No.: 07-1030.06  
Expiration Date: 01/31/13  
Approval Date: 01/31/08  
Page 3 of 4



**SSB960 STATIC VENT  
DETAIL  
FRONT VIEW**



**SIDE VIEW**



**END OF THIS ACCEPTANCE**



NOA No.: 07-1030.06  
Expiration Date: 01/31/13  
Approval Date: 01/31/08  
Page 4 of 4