



**MIAMI-DADE COUNTY**  
**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) 372-6339**

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/buildingcode](http://www.miamidade.gov/buildingcode)

**ACME Engineering and Manufacturing Corporation**  
**1820 N. York Street**  
**Muskogee, OK 74403**

**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.

**DESCRIPTION: Model PRN Aluminum Rooftop Exhaust Fan**

**APPROVAL DOCUMENT:** Drawing No. **686739**, titled "Exhaust Ventilator Model PRN", Sheets 1 through 3 of 3, dated 04/12/10, prepared by ACME Engineering and Manufacturing Corporation, signed and sealed by Richard Boyette, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Carlos M. Utrera*  
 10/14/10

**NOA No. 10-0714.01**  
**Expiration Date: November 04, 2015**  
**Approval Date: November 04, 2010**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **686739**, titled "Exhaust Ventilator Model PRN", Sheets 1 through 3 of 3, dated 04/12/10, prepared by ACME Engineering and Manufacturing Corporation, signed and sealed by Richard Boyette, P.E.

**B. TESTS**

1. Test report on 1) Uniform Static Air Pressure Test per FBC, TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94,  
3) Cyclic Wind Pressure Test per FBC, TAS 203-94,  
along with marked-up drawings and installation diagram of three Model PRN-171 Aluminum Roof Mounted Exhaust Fans, prepared by Architectural Testing, Inc., Test Report No. **90349.02-801-18**, dated 01/22/10, with Revision 1 dated 09/09/10, signed and sealed by Joseph A. Reed, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations, prepared by Rick Boyette Consulting, Inc, dated 09/18/10, signed and sealed by Richard Boyette, P.E.

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance with 2007 FBC, issued by Rick Boyette Consulting, Inc, dated 09/18/10, signed and sealed by Richard Boyette, P.E.
2. No financial interest letter issued by Rick Boyette Consulting, Inc, dated 04/15/10, signed and sealed by Richard Boyette, P.E.

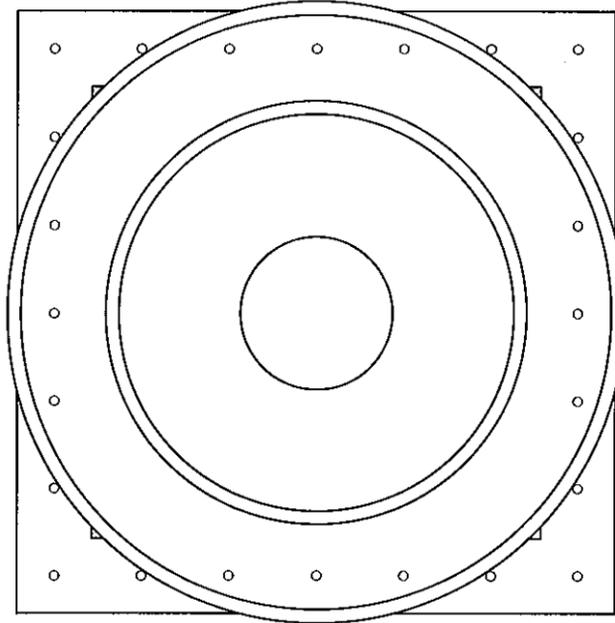


10/19/10

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 10-0714.01

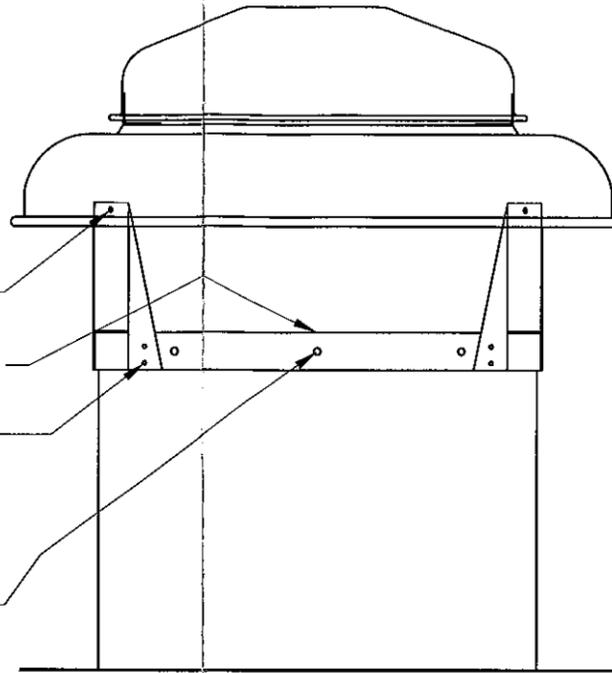
Expiration Date: November 04, 2015  
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Large Missile Impact Resistant  
 Max rated design pressure : +53.0 / -112.0 PSF

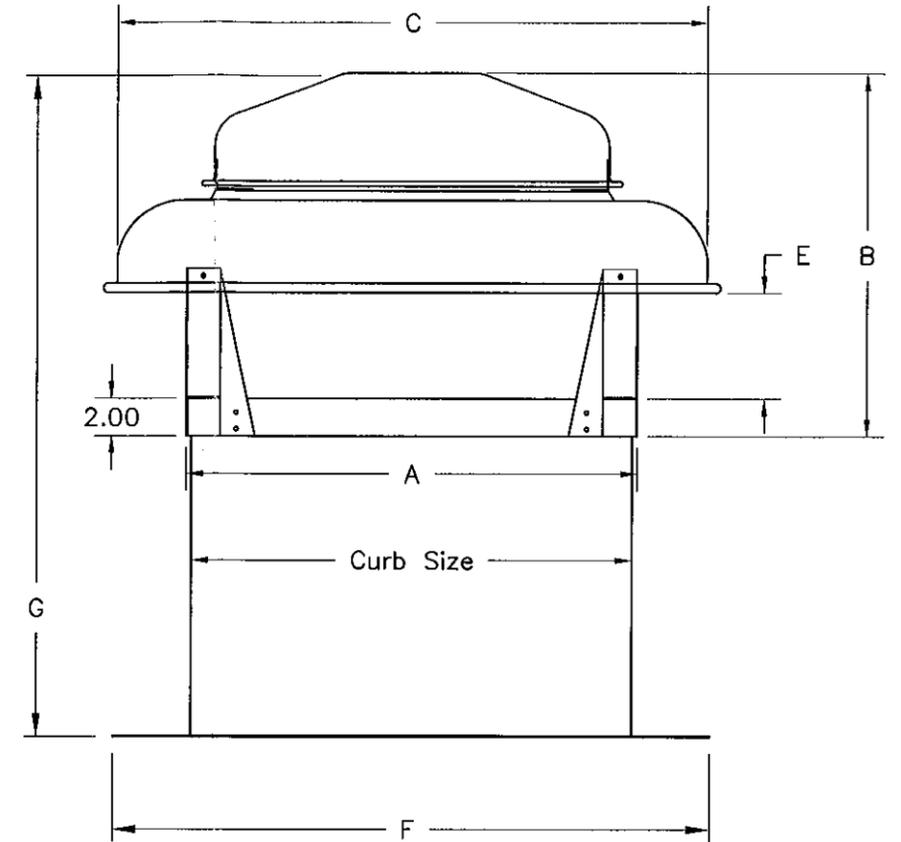


Plan View

- 4 x 1/4"-20x3/4" HWH bolts
- Windband to Curb Welded  
2" welds on 6" centers
- 16 x 3/16" Aluminum Rivets
- Fan curb to Roof curb connection  
1/4" sheet metal screws  
on minimum 6" centers



Elevation View



Dimensions view

Notes:

- a. This rooftop exhaust fan has been designed to comply with the Florida Building Code.
- b. Roof structure must be designed to withstand the weight and loading transmitted by this rooftop exhaust fan.
- c. This approval is for the structural capacity of the exterior housing only, it does not include any interior mechanism and/or electrical part.
- d. This rooftop exhaust fan has not been tested for wind driven rain according to Florida Building Code, TAS 100(A).
- e. All fasteners must be corrosion resistant.

Acme Engineering &  
 Manufacturing Corp.  
 1820 N. York Street  
 Muskogee, OK 74403  
 918-682-7791

Approved as complying with the  
 Florida Building Code  
 Date 11/04/2010  
 NOA# 10-0714.01  
 Miami Dade Product Control  
 Division  
 By [Signature]

Model	Fan Dimensions (Inches)							Curb Dimensions			Fan + Curb Weight (lbs.)
	A	B	C	D	E	F	G	Curb Size	Curb Height	Curb Material	
80	13.50	9.00	18.25	2.00	0.00	21.50	25.00	13.20	8 to 18	18 ga. G90 galv.	46
100	16.00	13.25	21.12	2.00	3.81	24.00	29.25	15.70	8 to 18	18 ga. G90 galv.	51
110	16.00	13.25	21.12	2.00	3.81	24.00	29.25	15.70	8 to 18	18 ga. G90 galv.	52
118	21.00	16.38	27.75	2.00	4.81	29.00	32.38	20.70	8 to 18	18 ga. G90 galv.	75
126	21.00	16.38	27.75	2.00	4.81	29.00	32.38	20.70	8 to 18	18 ga. G90 galv.	76
135	21.00	16.38	27.75	2.00	4.81	29.00	32.38	20.70	8 to 18	18 ga. G90 galv.	82
145	21.00	16.38	27.75	2.00	4.81	29.00	32.38	20.70	8 to 18	18 ga. G90 galv.	96
163	24.00	18.12	31.63	2.00	5.56	32.00	37.00	20.70	8 to 18	18 ga. G90 galv.	139
171	24.00	18.12	31.63	2.00	5.56	32.00	37.00	20.70	8 to 18	18 ga. G90 galv.	148

Richard Boyette, FL PE #42485  
 Rick Boyette Consulting Inc - CoA #9707  
 4031 Coconut Blvd  
 Royal Palm Beach FL 33411  
 561-790-5766

APPROVED SEP 24 2010

DWG NO. 686739 Sheet 1/3

TITLE Exhaust Ventilator Model PRN

DRAFTER TCR DATE 04/12/10

DESIGN ENG. TCR 04/12/10

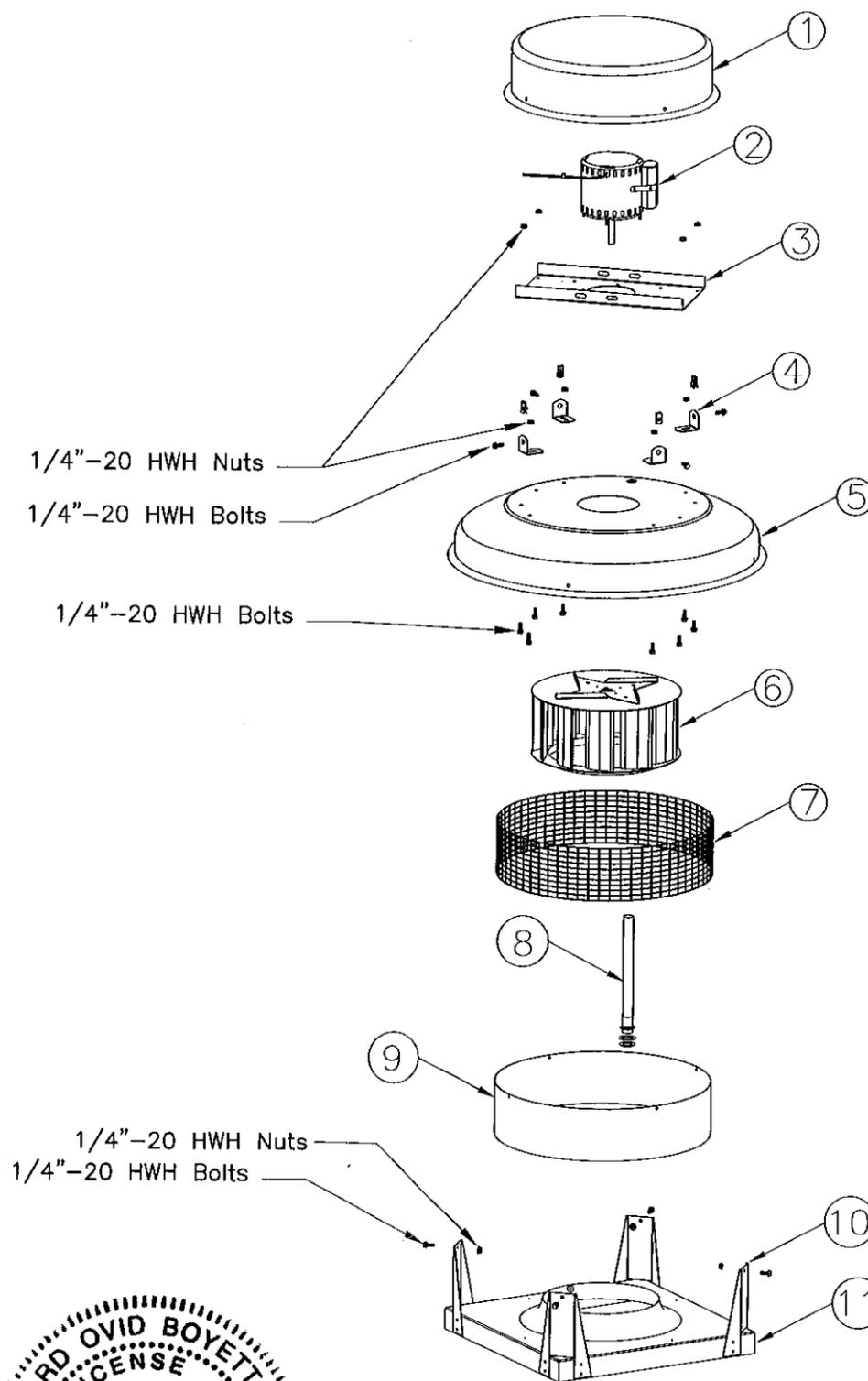
CHKD BY MFG. SCALE NTS

LET. REVISION RECORD

LET.	REVISION RECORD

Item#	Qty.	Item	Size	80	100	110	118	126
1	1	Motor Cover		.050" aluminum				
2	1	Motor						
3	1	Motor Mount		18 ga. G90 galv.	18 ga. G90 galv.	18 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.
4	4	Small Hood Bracket		.080" aluminum				
5	1	Hood		.050" aluminum				
6	1	Impeller						
7	1	Birdscreen		19 ga. wire mesh				
8	1	Wiring Post		1/2" EMT				
9	1	Windband		.080" aluminum				
10	4	Hood Supports		.080" aluminum				
11	1	Curb & Orifice Assembly		.050" aluminum				

Item#	Qty.	Item	Size	135	145	163	171
1	1	Motor Cover		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
2	1	Motor					
3	1	Motor Mount		14 ga. G90 galv.			
4	4	Small Hood Bracket		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
5	1	Hood		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum
6	1	Impeller					
7	1	Birdscreen		19 ga. wire mesh			
8	1	Wiring Post		1/2" EMT	1/2" EMT	1/2" EMT	1/2" EMT
9	1	Windband		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
10	4	Hood Supports		.080" aluminum	.080" aluminum	.080" aluminum	.080" aluminum
11	1	Curb & Orifice Assembly		.050" aluminum	.050" aluminum	.050" aluminum	.050" aluminum



Approved as complying with the Florida Building Code  
 Date 11/04/2010  
 NOA# 10-0719-01  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

Acme Engineering & Manufacturing Corp.  
 1820 N. York Street  
 Muskogee, OK 74403  
 918-682-7791

**RICHARD OVID BOYETTE**  
 LICENSE No 42485  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
*[Signature]*  
 APPROVED SEP 24 2010

Richard Boyette, FL PE #42485  
 Rick Boyette Consulting Inc - CoA #9707  
 4031 Coconut Blvd  
 Royal Palm Beach FL 33411  
 561-790-5766

DWG NO. 686739	Sheet 2/3	LET.	REVISION RECORD
TITLE Exhaust Ventilator Model PRN			
MAT'L			
DRAFTER TCR	DATE 04/12/10		
DESIGN ENG. TCR	04/12/10	RELEASED	
CHKD BY	MFG.	SCALE NTS	

