



**MIAMI-DADE COUNTY**  
**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)**  
**BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY**  
**PRODUCT CONTROL SECTION**  
 11805 SW 26 Street, Room 208  
 Miami, Florida 33175-2474  
 T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/building](http://www.miamidade.gov/building)

**NOTICE OF ACCEPTANCE (NOA)**

**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 and accepted by Miami-Dade County BNC - Product Control Section 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 Section (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. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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 PV Aluminum Rooftop Exhaust Fan**

**APPROVAL DOCUMENT:** Drawing No. 686760, titled "PV Hurricane Fans" sheets 1 through 3 of 3, dated 08/10/10 and 04/12/10, with Revision A dated 04/14/11, 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 Section.

**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.**



*[Handwritten Signature]*  
 04/25/11

NOA No. 11-0114.02  
 Expiration Date: May 05, 2016  
 Approval Date: May 05, 2011  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **686760**, titled "PV Hurricane Fans" sheets 1 through 3 of 3, dated 08/10/10 and 04/12/10, with Revision A dated 04/14/11, 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 four Model PV Aluminum Roof Mounted Exhaust Fans, prepared by Architectural Testing, Inc., Test Report No. **90350.03-801-18**, dated 12/02/10, signed and sealed by Joseph A. Reed, P.E.

**C. CALCULATIONS:**

1. Anchor verification calculations, prepared by Rick Boyette Consulting, Inc, dated 12/30/10, signed and sealed by Richard Boyette, P.E.

**D. QUALITY ASSURANCE**

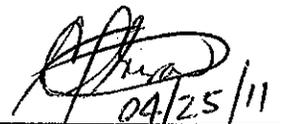
1. Miami-Dade Building and Neighborhood Compliance Department (BNC)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance with 2007 FBC, issued by Rick Boyette Consulting, Inc, dated 12/30/10, signed and sealed by Richard Boyette, P.E.
2. No financial interest letter issued by Rick Boyette Consulting, Inc, dated 12/30/10, signed and sealed by Richard Boyette, P.E.



04/25/11

Carlos M. Utrera, P.E.

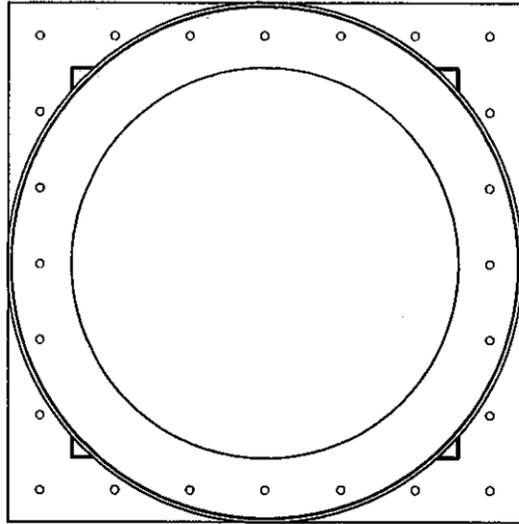
Product Control Examiner

NOA No. 11-0114.02

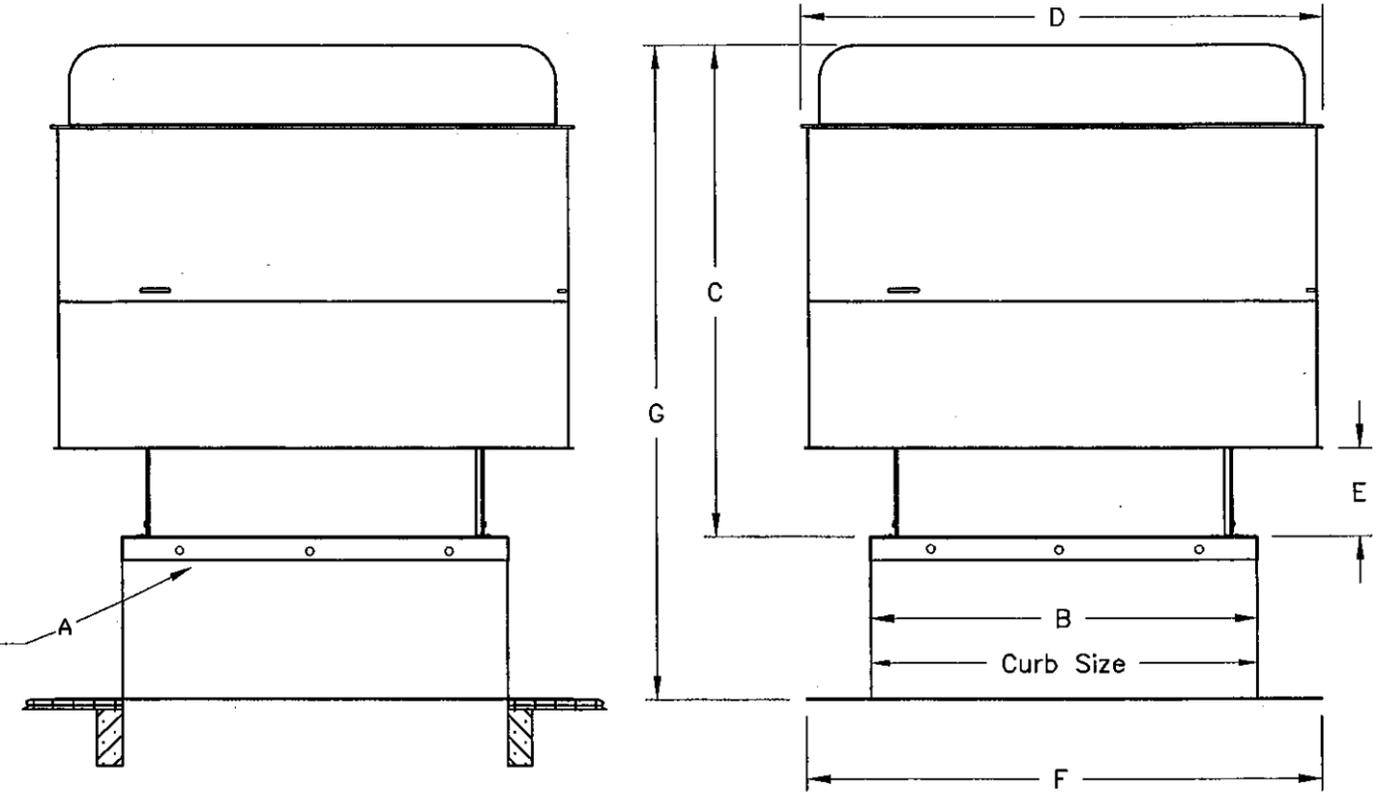
Expiration Date: May 05, 2016

Approval Date: May 05, 2011

Large Missile Impact Resistant  
 Max rated design pressure : +53.0 / -112.0 PSF



Plan View - Installation



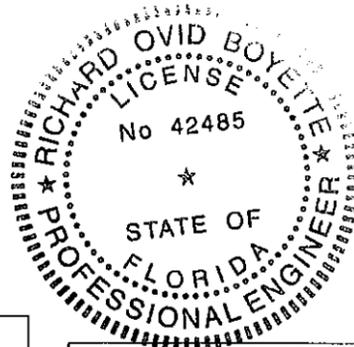
Elevation View - Installation

Dimensions (Inches)

Fan Curb to Roof Curb  
 Connection  
 1/4" sheet metal screws  
 on minimum 6" centers

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.



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

*Richard Boyette*  
 APPROVED APR 19 2011

Model			Bolt Count	Fan Dimensions (Inches)							Curb Dimensions			Fan + Curb Weight (lbs.)
A	B	C	D	E	F	G	Curb Size	Curb Height	Curb Material					
PV075	PV085	PV100	12	21.00	23.62	23.67	3.44	29.00	39.62	20.70	8 to 18	18 ga. G90 galv.	82	
PV120	PV135		12	21.00	26.75	29.38	4.06	29.00	42.75	20.70	8 to 18	18 ga. G90 galv.	83	
PV150	PV165		12	24.00	30.96	35.14	5.19	32.00	46.96	23.70	8 to 18	18 ga. G90 galv.	123	
PV180	PV200		16	28.00	35.40	39.60	6.19	36.00	51.40	27.70	8 to 18	18 ga. G90 galv.	202	
PV220	PV240		20	34.00	38.39	46.49	7.75	42.00	54.39	33.70	8 to 18	18 ga. G90 galv.	250	

Approved as complying with the  
 Florida Building Code  
 Date 05/05/2011  
 NOAS 11-0119-02  
 Miami Dept Product Control

By *[Signature]*

DWG NO. 686760	Sheet 1/3	LET.	REVISION RECORD			BY	CKD.	DATE
TITLE	PV HURRICANE FANS	A	Added hardware to exploded view and and revised table on Sheet 2			BPF	TCR	4/14/11
MAT'L								
DRAFTER	TCR	DATE	08/10/10					
DESIGN ENG.	TCR	RELEASED	08/10/10					
CHKD BY	MFG.	SCALE	NTS					

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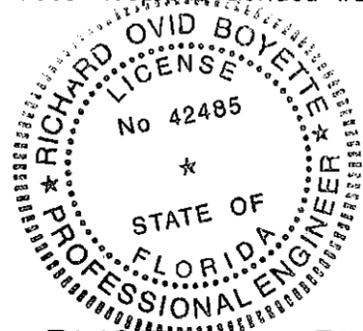
Item#	Qty.	Description	75	85	100	120	135	150
1	1	Hood	.050" aluminum					
2	1	Windband	.080" aluminum					
3	1	Motor						
4	1	Motor Base Support	14 ga. G90 galv.					
5	1	Motor Base	14 ga. G90 galv.					
6	1	Separator Pan	20 ga. G90 galv.	18 ga. G90 galv.				
7	1	Disconnect Switch						
8	4	Birdscreen	.063" aluminum					
9	1	Wheel						
10	1	Curb Cap	.080" aluminum					
11	1	Windband Reinforcement	16 ga. G90 galv.					
12	4	Hood Bracket Bolt & Nut	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20
13	8	Hood Bracket Rivet	3/16" Pop Rivets					
14	4	Hood Bracket	.050" aluminum					
15	8	WindBand Reinf. Rivet	3/16" Pop Rivets					
16	4	Motor Base Bolt & Nut	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20
17	4	Mtr Base-Pan Bolt & Nut	5/16-18 *	5/16-18 *	5/16-18 *	5/16-18 *	5/16-18 *	5/16-18 *
18	8	Birdscreen Screw	1/4" Type AB					
19	8	Base Pop Rivet	Closed End 3/16"					

Item#	Qty.	Description	165	180	200	220	240
1	1	Hood	.050" aluminum				
2	1	Windband	.080" aluminum				
3	1	Motor					
4	1	Motor Base Support	14 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.	10 ga. G90 galv.	10 ga. G90 galv.
5	1	Motor Base	14 ga. G90 galv.	14 ga. G90 galv.	14 ga. G90 galv.	10 ga. G90 galv.	10 ga. G90 galv.
6	1	Separator Pan	18 ga. G90 galv.	16 ga. G90 galv.			
7	1	Disconnect Switch					
8	4	Birdscreen	.063" aluminum				
9	1	Wheel					
10	1	Curb Cap	.080" aluminum				
11	1	Windband Reinforcement	16 ga. G90 galv.				
12	4	Hood Bracket Bolt & Nut	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20
13	8	Hood Bracket Rivet	3/16" Pop Rivets				
14	4	Hood Bracket	.050" aluminum				
15	8	WindBand Reinf. Rivet	3/16" Pop Rivets				
16	4	Motor Base Bolt & Nut	1/4-20	1/4-20	1/4-20	1/4-20	1/4-20
17	4	Mtr Base-Pan Bolt & Nut	5/16-18 *	5/16-18 *	5/16-18 *	5/16-18 *	5/16-18 *
18	8	Birdscreen Screw	1/4" Type AB				
19	8	Base Pop Rivet	Closed End 3/16"				

\* Includes neoprene bonded washer

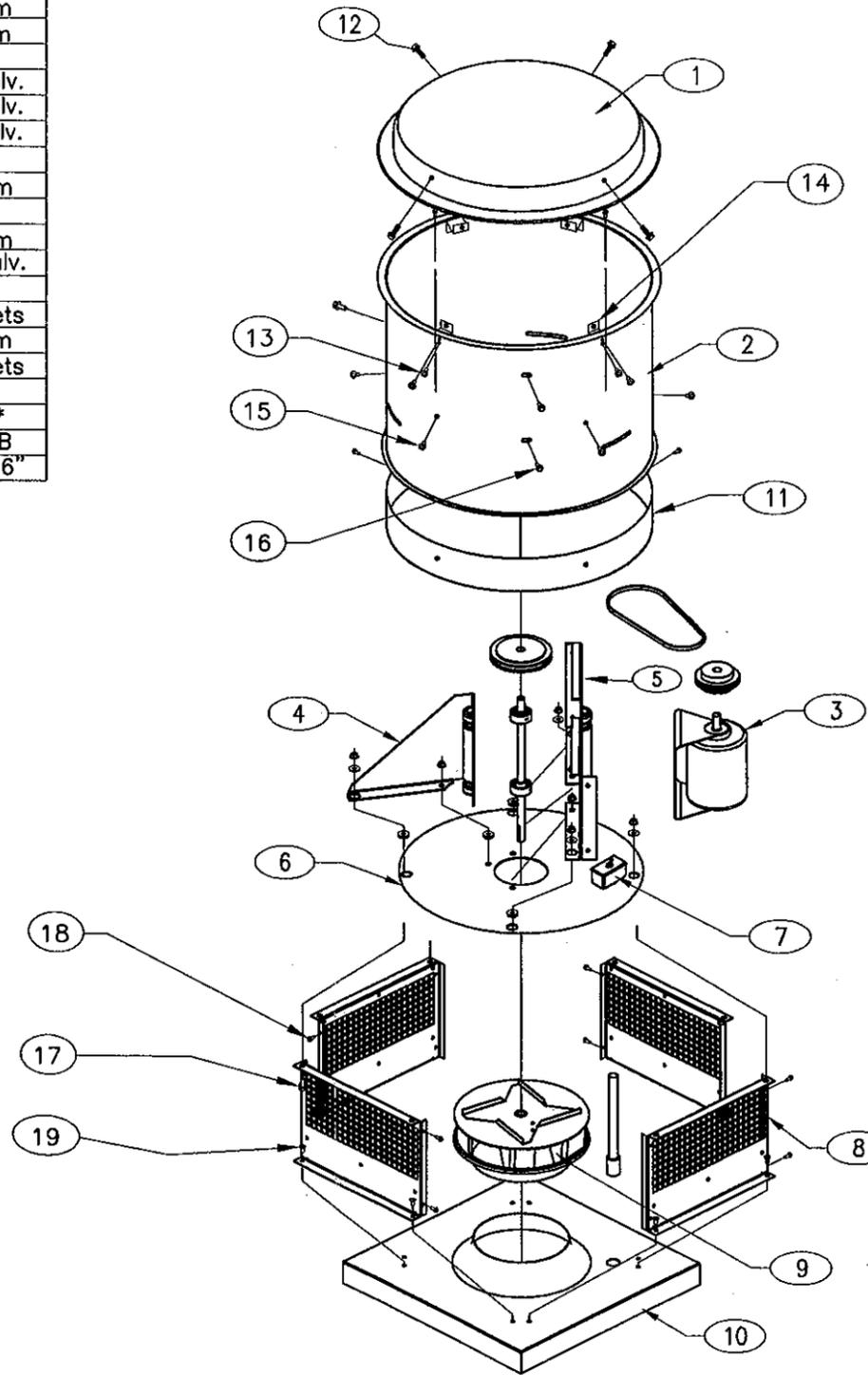
-Steel material gages shown are nominal.  
Aluminum thicknesses shown are nominal.  
Actual thicknesses will vary in accordance  
with industry standard tolerances.

Richard Boyette, FL PE #42485  
Rick Boyette Consulting Inc - CoA #9707  
4031 Coconut Blvd  
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PV075 - PV240 Fans

APPROVED APR 19 2011



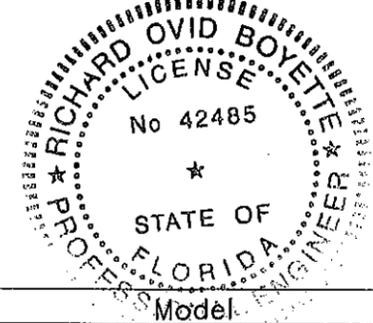
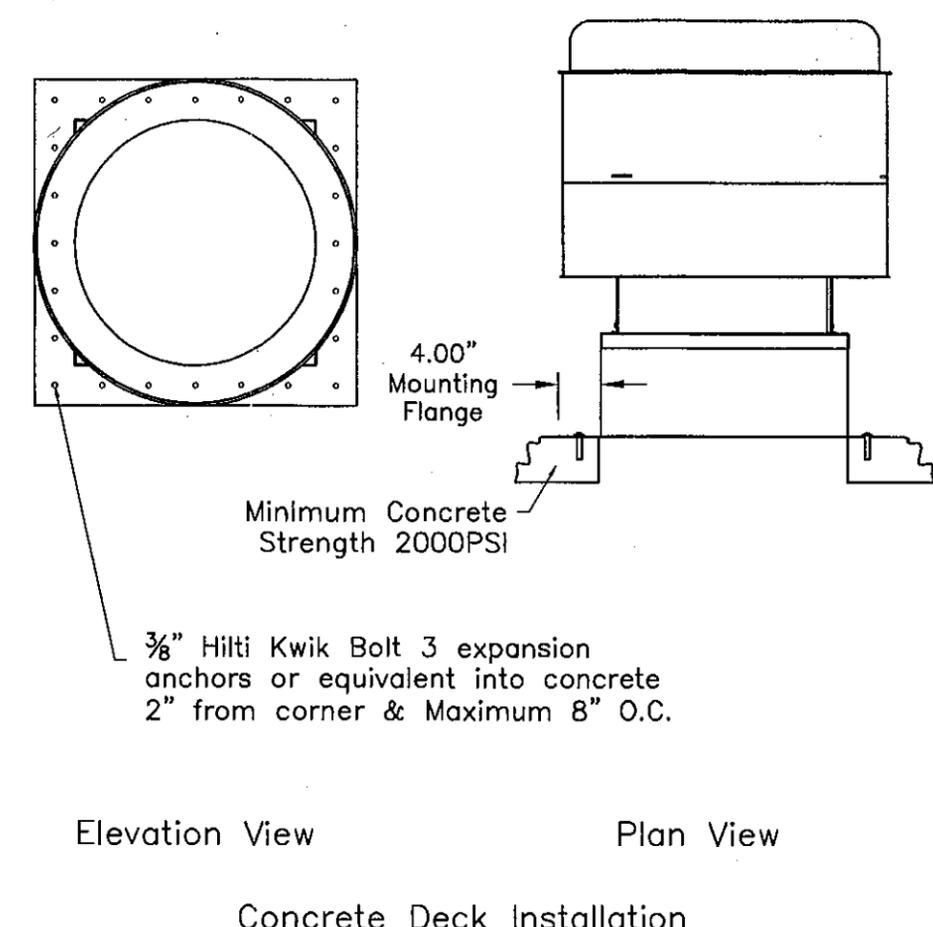
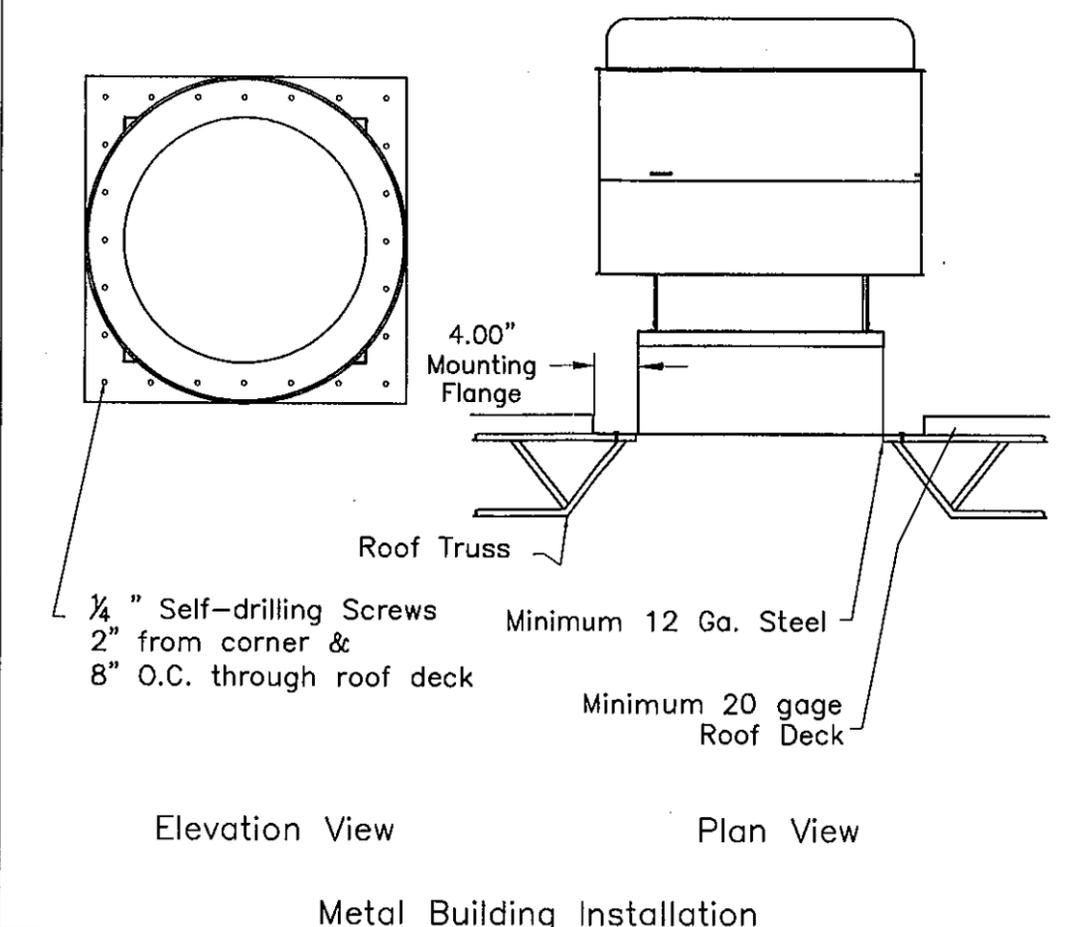
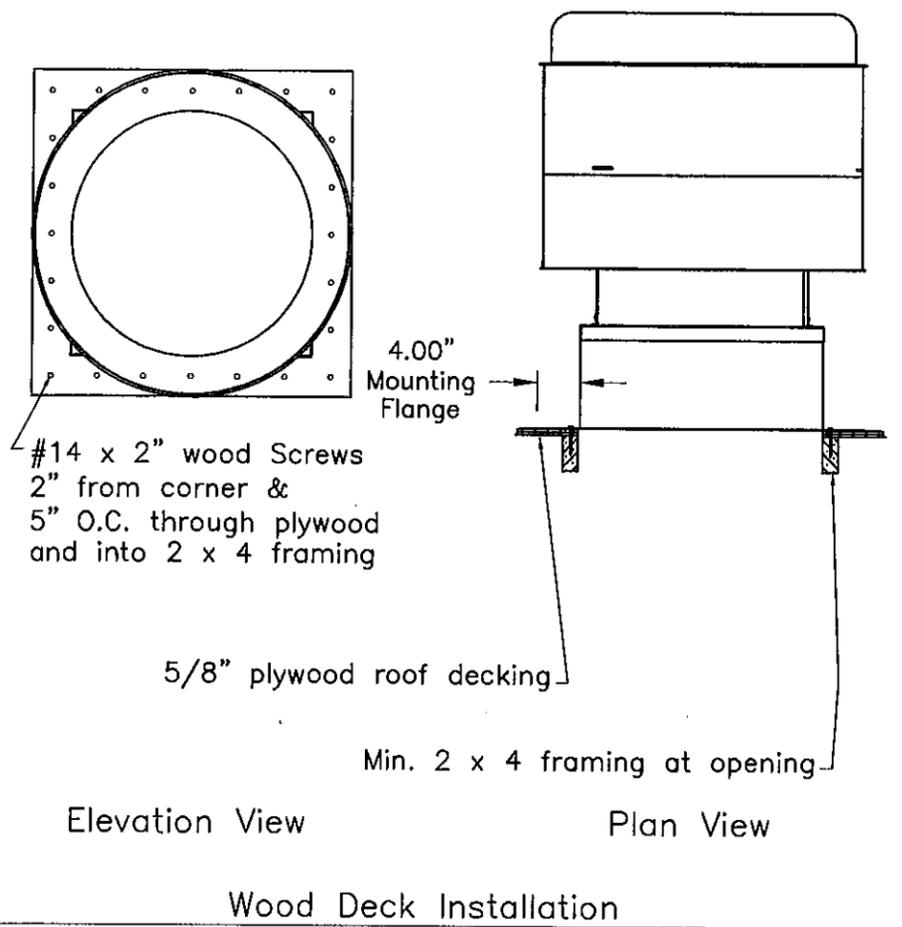
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Date 05/05/2011  
NOA# 11-0114-02  
Miami Dade Product Control

By *[Signature]*

DWG NO. 686760	Sheet 2/3	LET.	REVISION RECORD	BY	CKD.	DATE
TITLE PV HURRICANE FANS		A	Added hardware to exploded view and and revised table on this Sheet	BPF	TCR	4/14/11
MAT'L						
DRAFTER TCR	DATE 08/10/10					
DESIGN ENG. TCR	08/10/10					
CHKD BY	MFG.	SCALE	NTS			

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Large Missile Impact Resistant  
 Max rated design pressure : +53.0 / -112.0 PSF



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 By *[Signature]*

Model	Mounting Flange Dimensions	Installation Type / Bolt Count				
		Wood Deck	Metal Building	Concrete Deck		
PV075	PV085	PV100	29" x 29"	24	20	20
PV120	PV135		29" x 29"	24	20	20
PV150	PV165		32" x 32"	28	20	20
PV180	PV200		36" x 36"	32	20	20
PV220	PV240		42" x 42"	36	24	24

DWG NO. 686760 Sheet 3/3

TITLE PV Hurricane Fans

MAT'L

DRAFTER TCR DATE 04/12/10

DESIGN ENG. TCR 04/12/10 RELEASED

CHKD BY MFG. SCALE NTS

LET.	REVISION RECORD	BY	CKD.	DATE
A	Added hardware to exploded view and and revised table on Sheet 2	BPF	TCR	4/14/11

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