



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.miamidadegov/economy](http://www.miamidadegov/economy)

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
 BOARD AND CODE ADMINISTRATION DIVISION  
**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 RER-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. RER 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 08/10/2010 and 04/12/2010, with revision B dated 06/28/2012, prepared by ACME Engineering and Manufacturing Corporation, signed and sealed by Richard O. Boyette, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration 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, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**LIMITATION:** This fan cannot be installed within the ridge area, FBC 1523.6.5.2.13.

**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 # 11-0114.02 and 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.**



*Signature*  
 09/07/2012

NOA No. 12-0706.08  
 Expiration Date: May 05, 2016  
 Approval Date: September 20, 2012  
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Drawing No. **686760**, titled "PV Hurricane Fans" sheets 1 through 3 of 3, dated 08/10/2010 and 04/12/2010, with revision B dated 06/28/2012, prepared by ACME Engineering and Manufacturing Corporation, signed and sealed by Richard O. Boyette, P.E.

**B. TESTS "Submitted under NOA # 11-0114.02"**

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 12/02/2010, signed and sealed by Joseph A. Reed, P.E.

**C. CALCULATIONS "Submitted under NOA # 11-0114.02"**

1. Anchor verification calculations, prepared by Rick Boyette Consulting, Inc, dated 12/30/2010, signed and sealed by Richard Boyette, P.E.

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

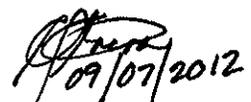
1. None.

**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC, issued by Rick Boyette Consulting, Inc, dated 06/28/2012, signed and sealed by Richard Boyette, P.E.

**"Submitted under NOA # 11-0114.02"**

2. No financial interest letter issued by Rick Boyette Consulting, Inc, dated 12/30/2010, signed and sealed by Richard Boyette, P.E.

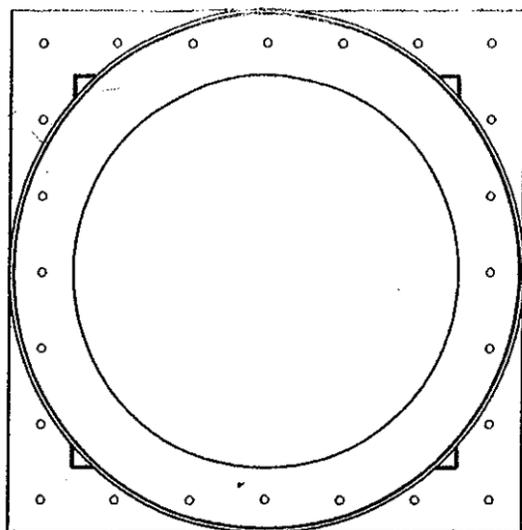


09/07/2012

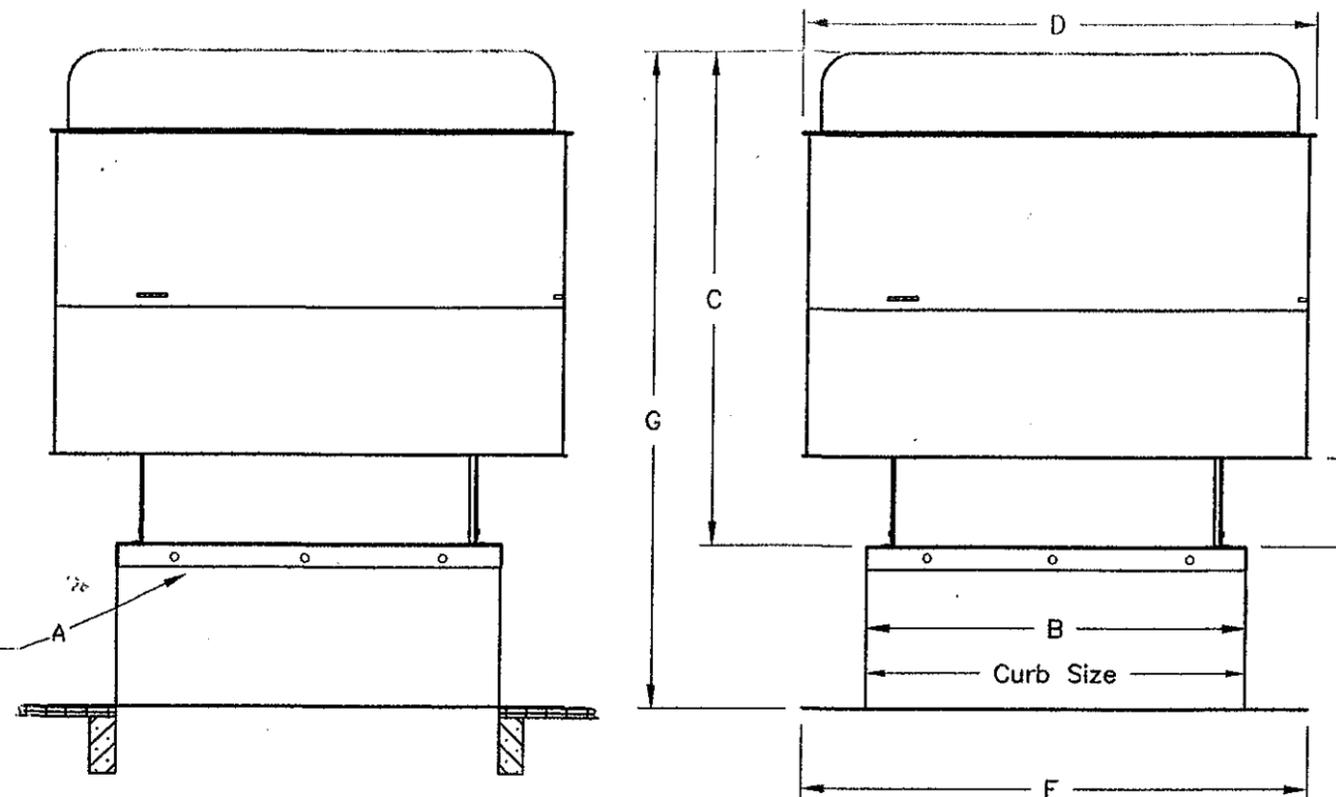
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 12-0706.08

Expiration Date: May 05, 2016  
Approval Date: September 20, 2012

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

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 12-0706.08  
 Expiration Date 05/05/2016  
 By [Signature]  
 Miami Date Product Control

- Notes:
- This rooftop exhaust fan has been designed to comply with the 2010 FBC SEC 1620.6 & ASCE 7-10 SEC 29.5.
  - Roof structure must be designed to withstand the weight and loading transmitted by this rooftop exhaust fan.
  - This approval is for the structural capacity of the exterior housing only, it does not include any interior mechanism and/or electrical part.
  - This rooftop exhaust fan has not been tested for wind driven rain according to Florida Building Code, TAS 100(A).
  - 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

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	

DWG NO. 686760 Sheet 1/3

TITLE PV HURRICANE FANS

MAT'L  
 DRAFTER TCR DATE 08/10/10  
 DESIGN ENG. TCR 08/10/10 RELEASED  
 CHKD BY MFG. SCALE NTS

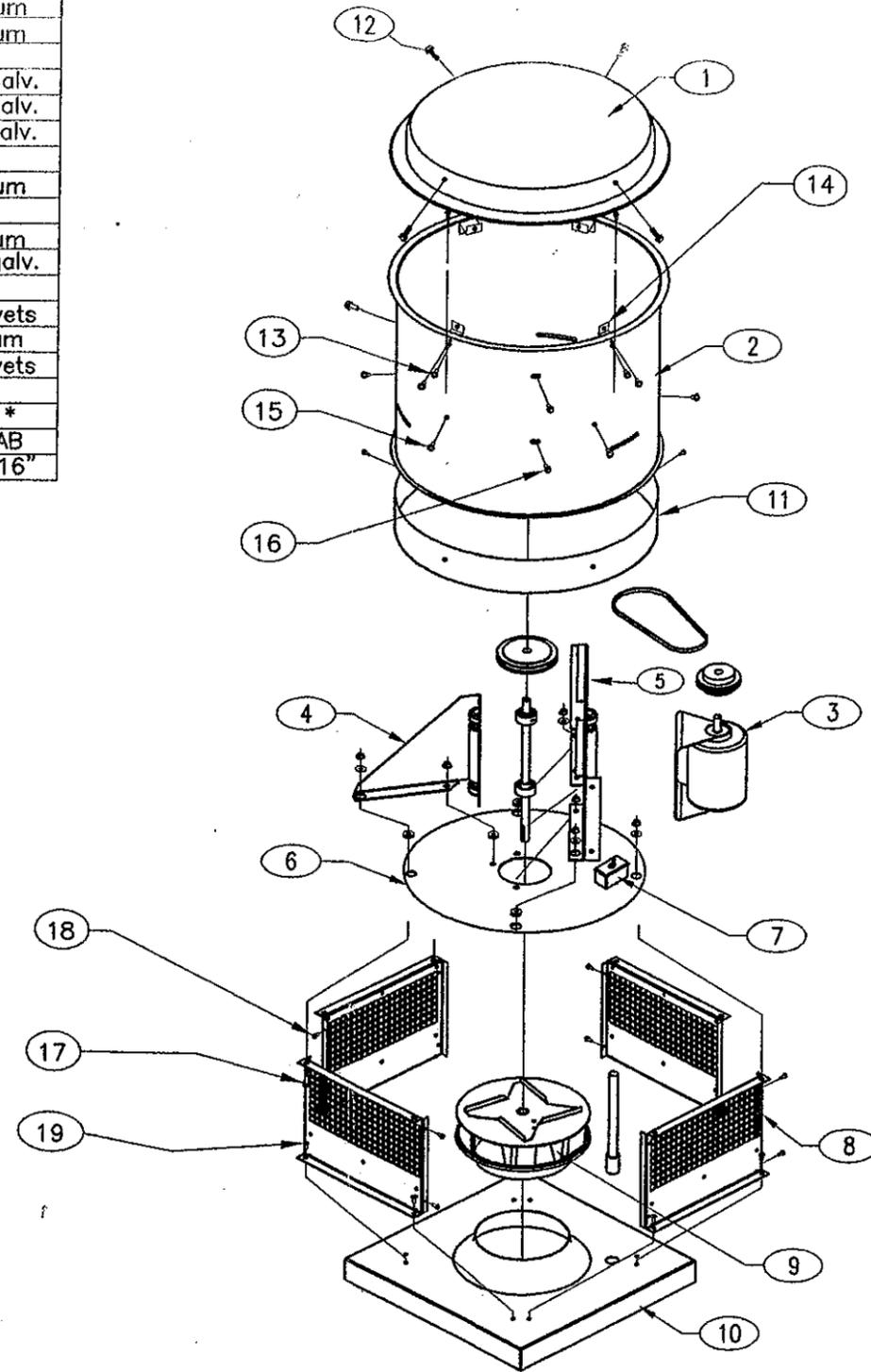
LET.	REVISION RECORD	BY	CKD.	DATE
A	Added hardware to exploded view and revised table on Sheet 2	BPF	TCR	4/14/11
B	Updated FBC to '2010 FBC SEC 1620.6 & ACSE 7-10 SEC 29.5' on Sheet 1	BPF	TCR	6/28/12

Acme Engineering & Manufacturing Corp.  
 1820 N. York Street  
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 918-682-7791

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



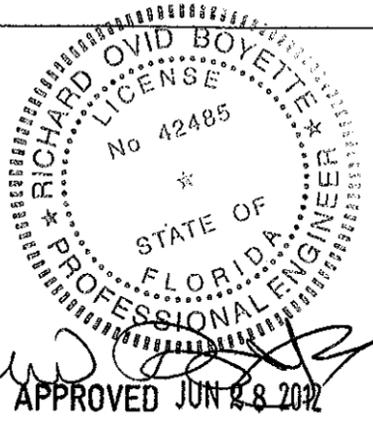
-Steel material gages shown are nominal.  
Aluminum thicknesses shown are nominal.  
Actual thicknesses will vary in accordance  
with industry standard tolerances.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0706-08  
Expiration Date 05/05/2016

By *[Signature]*  
Miami/Dade Product Control

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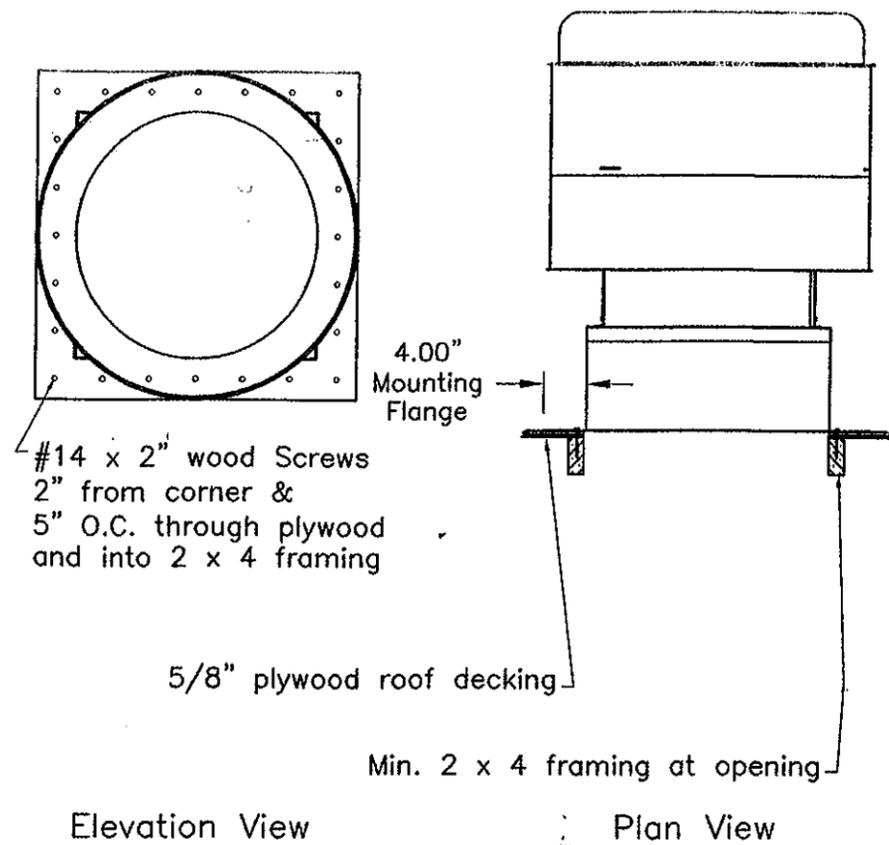
PV075 - PV240 Fans



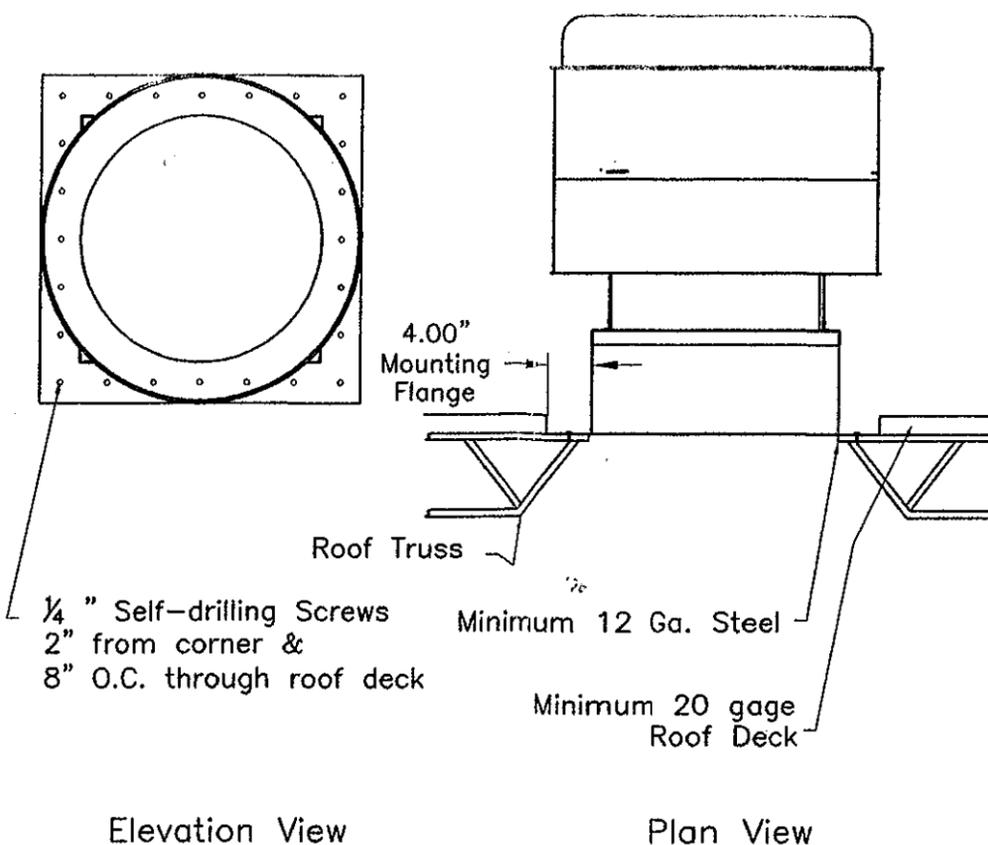
DWG NO.	686760	Sheet 2/3	LET.	REVISION RECORD			BY	CKD.	DATE
TITLE	PV HURRICANE FANS			A	Added hardware to exploded view and revised table on this Sheet			BPF	TCR 4/14/11
MAT'L				B	Updated FBC to "2010 FBC SEC 1620.6 & ACSE 7-10 SEC 29.5" on Sheet 1			BPF	TCR 6/28/12
DRAFTER	TCR	DATE	08/10/10						
DESIGN ENG.	TCR	08/10/10	RELEASED						
CHKD BY	MFG.	SCALE	NTS						

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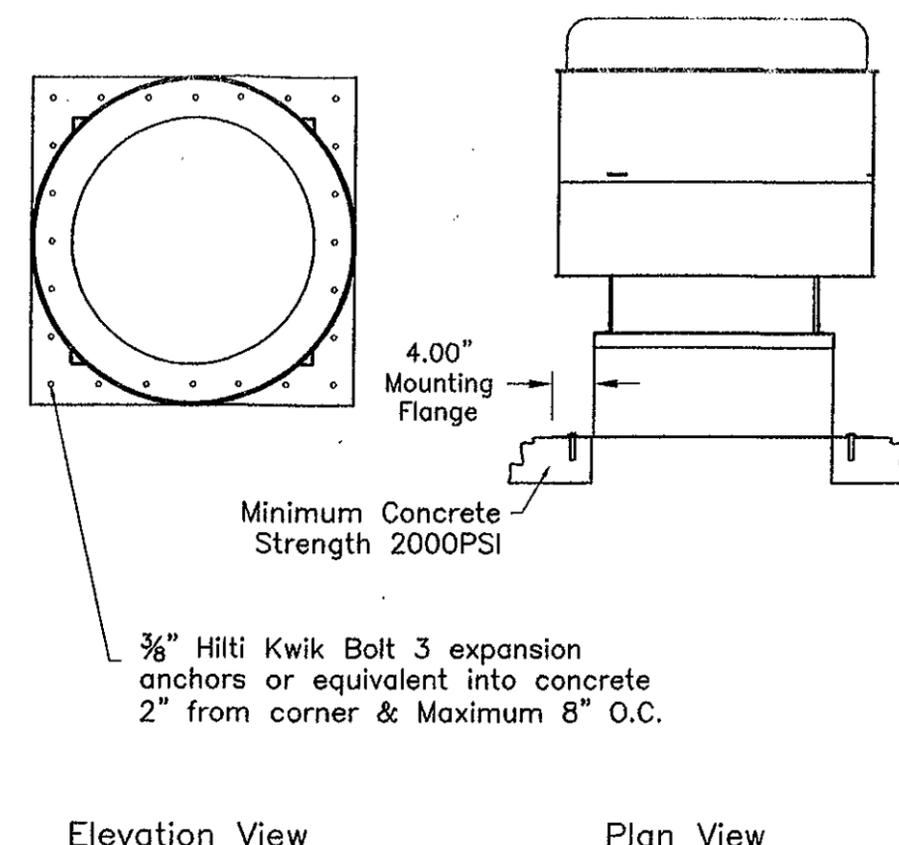
Large Missile Impact Resistant  
 Max rated design pressure : +53.0 / -112.0 PSF



Wood Deck Installation

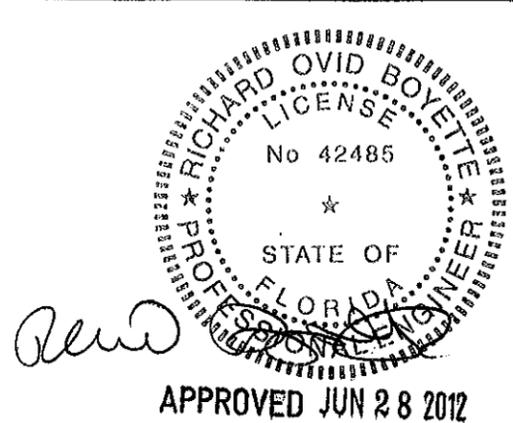


Metal Building Installation



Concrete Deck Installation

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 12-0706-08  
 Expiration Date 05/05/2016  
 By *[Signature]*  
 Miami Date Product Control



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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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