



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/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: Series PV Aluminum Rooftop Exhaust Fans

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 D dated 08/24/2015, 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 renews and revises NOA # 15-0706.06 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.**



CA
 03/03/2016

NOA No. 15-1118.04
 Expiration Date: May 5, 2021
 Approval Date: March 10, 2016
 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 D dated 08/24/2015, prepared by ACME Engineering and Manufacturing Corporation, signed and sealed by Richard O. Boyette, P.E.

B. TESTS

1. Test report on Uniform Static Air Pressure Test per FBC, TAS 202-94 of CH62 and CH68 Roof Curbs, prepared by Intertek/Architectural Testing, Inc., Test Report No. E1749.01-801-44, dated 11/05/2014, with Revision 1 dated 07/16/2015, signed and sealed by Joseph A. Reed, P.E.

"Submitted under NOA # 11-0114.02"

2. 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

1. Anchor verification calculations, prepared by Rick Boyette Consulting, Inc, dated 10/28/2015, signed and sealed by Richard Boyette, P.E.

"Submitted under NOA # 11-0114.02"

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

D. QUALITY ASSURANCE

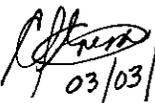
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

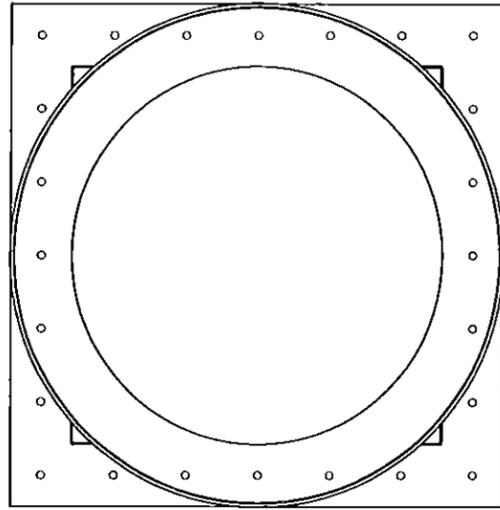
F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Rick Boyette Consulting, Inc, dated 10/28/2015, signed and sealed by Richard Boyette, P.E.
2. No financial interest letter issued by Rick Boyette Consulting, Inc, dated 11/05/2015, signed and sealed by Richard Boyette, P.E.

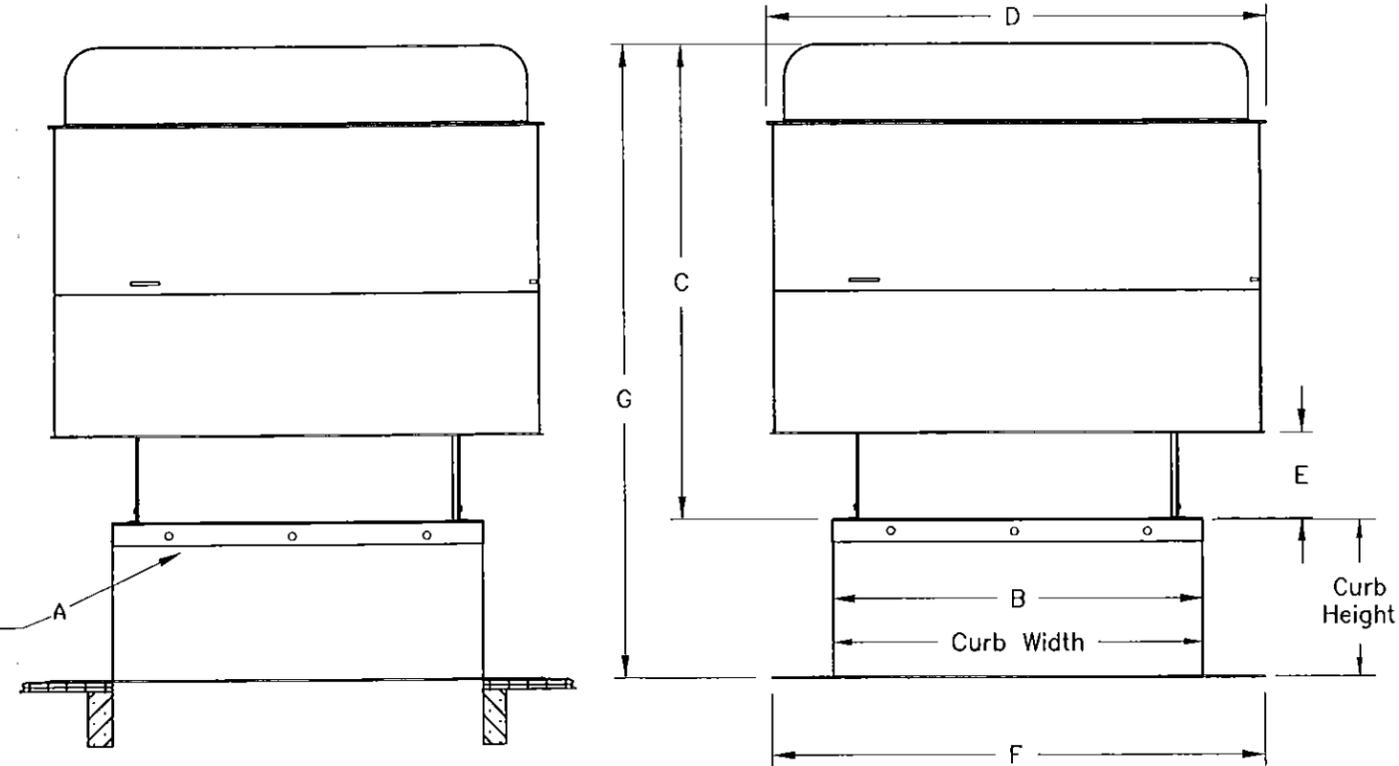

03/03/2016

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-1118.04
Expiration Date: May 5, 2021
Approval Date: March 10, 2016

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



Plan View - Installation



Elevation View - Installation

Dimensions (inches)

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 15-1118-04
 Expiration Date 05/05/21
 By [Signature]
 Manufacturer Product Control

- Notes:
- This rooftop exhaust fan has been designed to comply with the 2014 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.

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



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	
			A	B	C	D	E	F	G (Max)	Curb Width	Curb Height	Curb Material	Weight (lbs.)
PV075	PV085	PV100	12	21.00	23.62	23.67	3.44	29.00	63.62	20.70	8 to 42	18 ga. G90 galv.	82
PV120	PV135		12	21.00	26.75	29.38	4.06	29.00	66.75	20.70	8 to 42	18 ga. G90 galv.	83
PV150	PV165		12	24.00	30.96	35.14	5.19	32.00	70.96	23.70	8 to 42	18 ga. G90 galv.	123
PV180	PV200		16	28.00	35.40	39.60	6.19	36.00	75.40	27.70	8 to 42	18 ga. G90 galv.	202
PV220	PV240		20	34.00	38.39	46.49	7.75	42.00	78.39	33.70	8 to 42	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

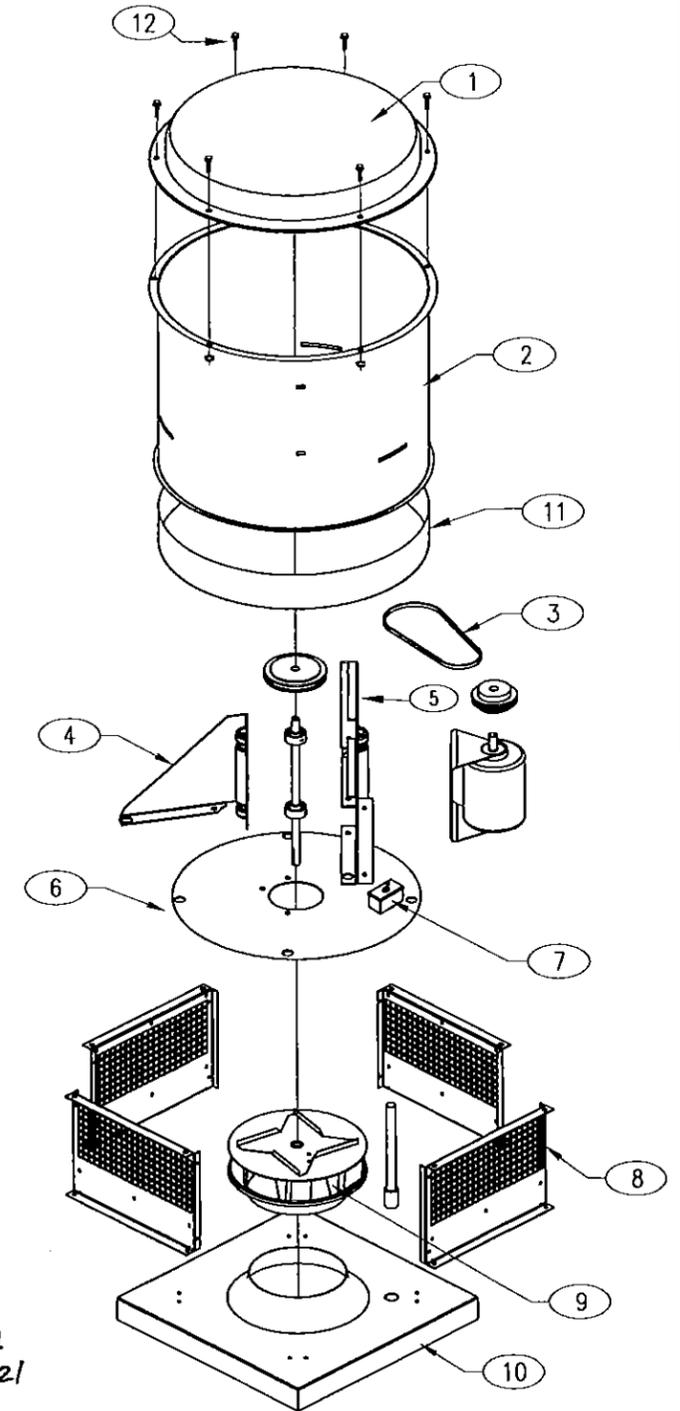
LET.	REVISION RECORD	BY	CKD.	DATE
A	Added hardware to exploded view and revised table on Sheet 2	BPF	TCR	4/14/11
B	Updated FBC to '2010 FBC SEC 1620.6' on Sheet 1	BPF	TCR	6/28/12
C	UPDATED FBC TO 2014 ON SHEET 1	TCR	TGB	5/28/15
D	REVISED FOR 42" TALL CURBS	TCR	TGB	8/24/15

Acme Engineering &
 Manufacturing Corp.
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 Muskogee, OK 74403
 918-682-7791

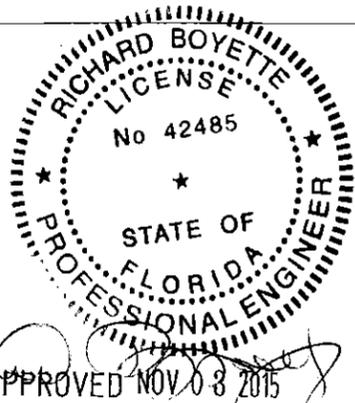
Item#	Qty.	Description	75	85	100	120	135	150
1	1	Hood	.050" aluminum					
2	1	Windband	.080" aluminum					
3	1	Motor						
4	1	Motor Base Support	14 ga. G90 galv.					
5	1	Motor Base	14 ga. G90 galv.					
6	1	Separator Pan	20 ga. G90 galv.	18 ga. G90 galv.				
7	1	Disconnect Switch						
8	2	Birdscreen	.063" aluminum					
9	1	Wheel						
10	1	Curb Cap	.080" aluminum					
11	1	Windband Reinforcement	.080" aluminum					
12	Δ	1/4" -20 Nuts and Bolts	4 Per Flange Union	5 Per Flange Union				

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	2	Birdscreen	.063" aluminum				
9	1	Wheel					
10	1	Curb Cap	.080" aluminum				
11	1	Windband Reinforcement	.080" aluminum				
12	Δ	1/4" -20 Nuts and Bolts	5 Per Flange Union	5 Per Flange Union	5 Per Flange Union	6 Per Flange Union	6 Per Flange Union

* 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 15-1118.04
Expiration Date 05/05/2021
By *[Signature]*
Missouri Trade Product Control



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

PV075 - PV240 Fans

DWG NO. 686760 Sheet 2/3

TITLE PV HURRICANE FANS

MAT'L
DRAFTER TCR DATE 08/10/10

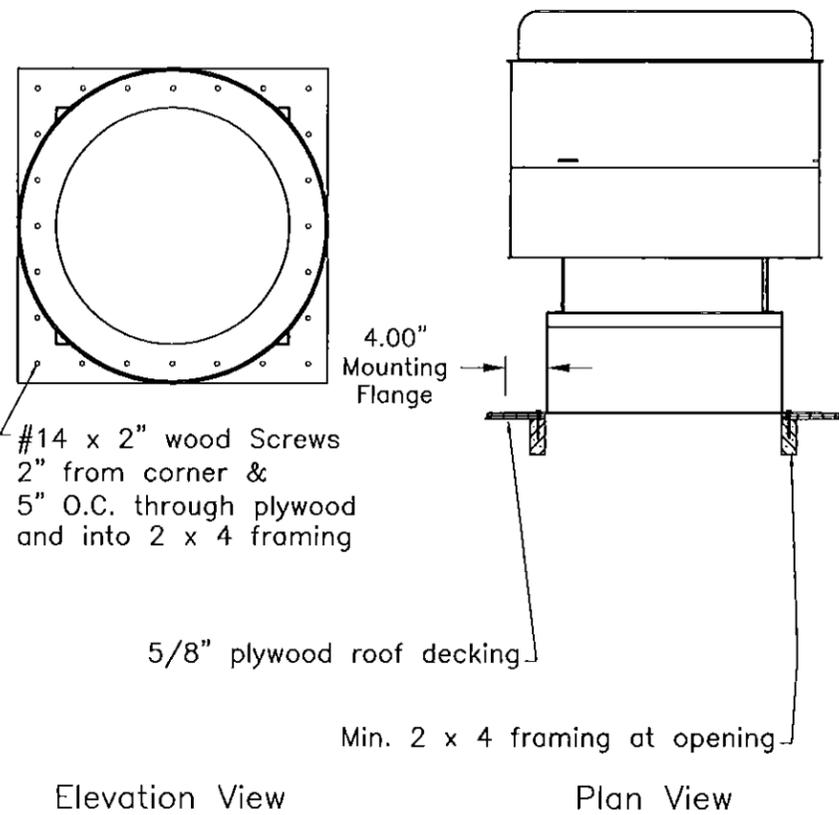
DESIGN ENG. TCR 08/10/10 RELEASED

CHKD BY MFG. SCALE NTS

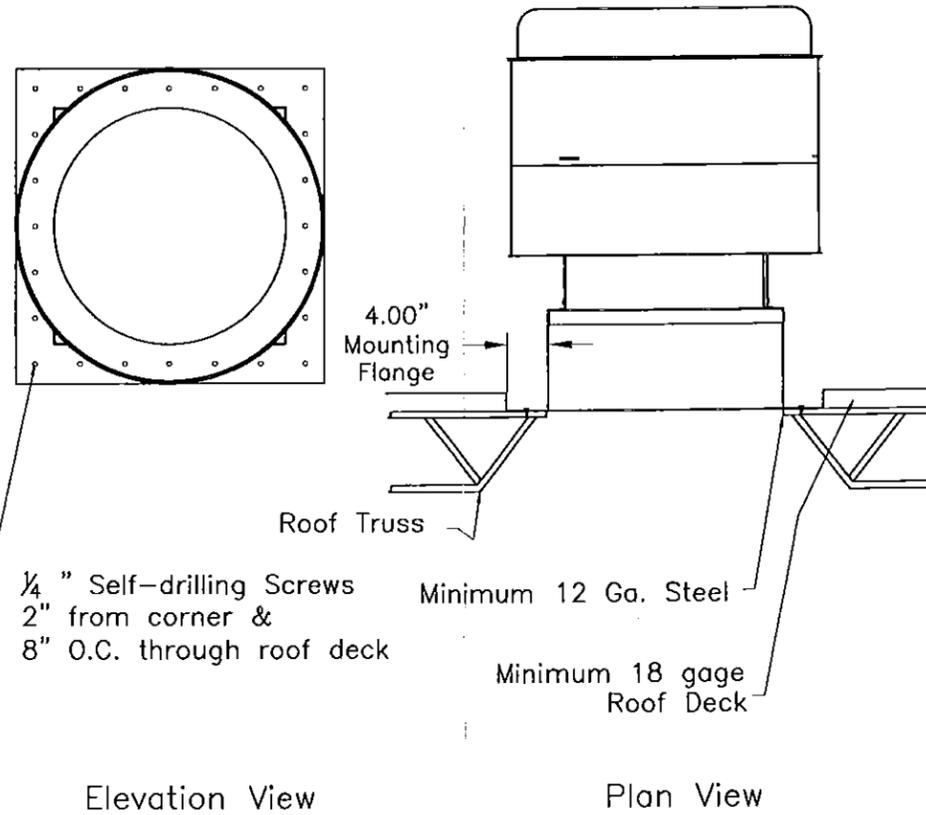
LET.	REVISION RECORD	BY	CKD.	DATE
A	Added hardware to exploded view and revised table on Sheet 2	BPF	TCR	4/14/11
B	Updated FBC to '2010 FBC SEC 1620.6' on Sheet 1	BPF	TCR	6/28/12
C	UPDATED FBC TO 2014 ON SHEET 1	TCR	TGB	5/28/15
D	REVISED FOR 42" TALL CURBS	TCR	TGB	8/24/15

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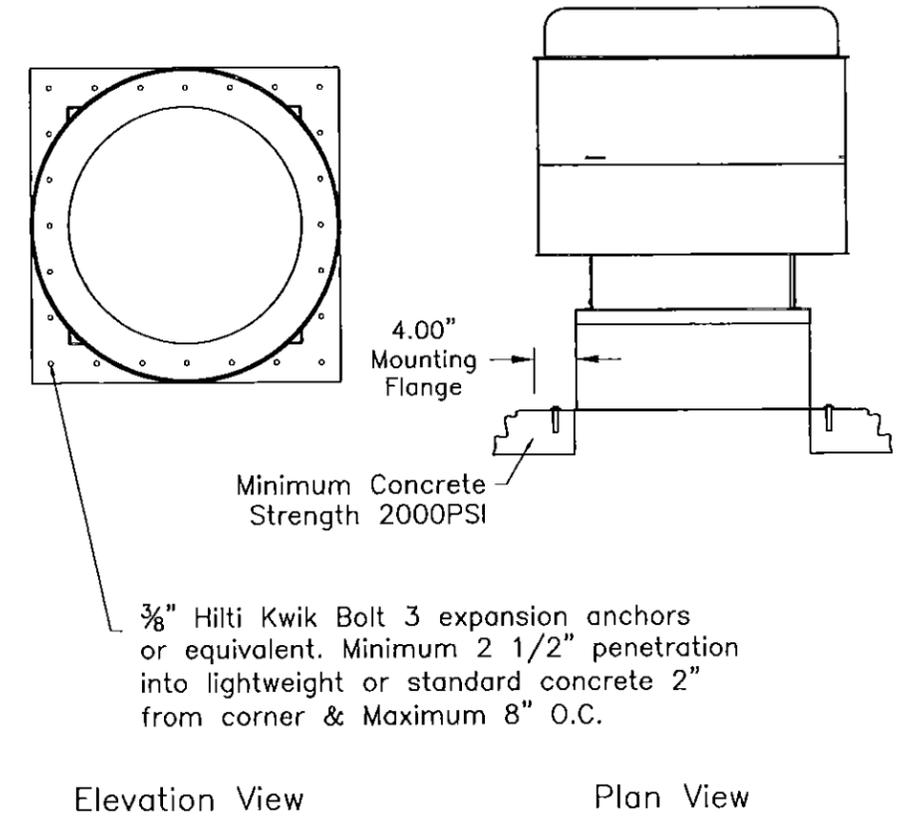
Large Missile Impact Resistant
 Max rated design pressure : +53.0 / -112.0 PSF



Wood Deck Installation

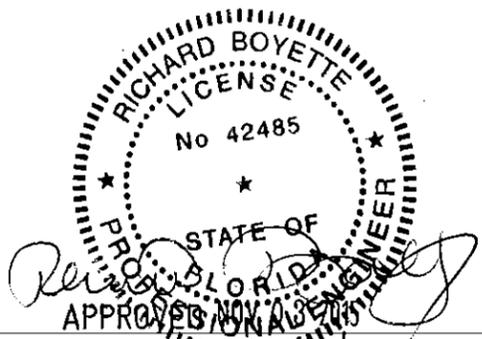


Metal Building Installation



Concrete Deck Installation

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 15-1110.04
 Expiration Date 05/05/2021
 By *[Signature]*
 Missal Trade Product Control



Richard Boyette, FL PE #42485
 Rick Boyette Consulting Inc - CoA #9707
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 561-790-5766

Model			Mounting Flange Dimensions	Installation Type / Bolt Count		
				Wood Deck	Metal Building	Concrete Deck
PV075	PV085	PV100	29" x 29"	28	20	20
PV120	PV135		29" x 29"	32	20	20
PV150	PV165		32" x 32"	36	20	20
PV180	PV200		36" x 36"	44	20	20
PV220	PV240		42" x 42"	48	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 revised table on Sheet 2	BPF	TCR	4/14/11
B	Updated FBC to '2010 FBC SEC 1620.6' on Sheet 1	BPF	TCR	6/28/12
C	UPDATED FBC TO 2014 ON SHEET 1	TCR	TGB	5/28/15
D	REVISED FOR 42" TALL CURBS	TCR	TGB	8/24/15

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