



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

PennBarry
1401 North Plano Road
Richardson, TX 75081

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: Domex and Fumex Aluminum Roof Fans

APPROVAL DOCUMENT: Drawing No. **08-00622**, titled "DX Domex Downblast and FX Fumex Upblast Roof Vents", sheets 1 through 4 of 4, dated 10/08/08, with revision B dated 09/16/09, prepared by PennBarry, signed and sealed by Luis R. Lomas, 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 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 revises NOA # **08-1202.13** 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]
 12/08/09

NOA No. 09-1015.03
Expiration Date: March 11, 2014
Approval Date: December 30, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **08-00622**, titled "DX Domex Downblast and FX Fumex Upblast Roof Vents", sheets 1 through 4 of 4, dated 10/08/08, with revision B dated 09/16/09, prepared by PennBarry, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of Series/Model FX36B aluminum roof vents, prepared by Architectural Testing, Inc., Test Report No. **83741.01-801-18**, dated 09/19/08, with **Revision 2** dated 09/03/09, signed and sealed by Joseph A. Reed, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
along with marked-up drawings and installation diagram of Series/Model DX36B aluminum roof vents, prepared by Architectural Testing, Inc., Test Report No. **83743.01-801-18**, dated 09/19/08, with **Revision 2** dated 09/03/09, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS "Submitted under NOA # 08-1202.13"

1. Anchoring verification calculations, prepared by Luis R. Lomas, P.E., dated 10/28/08, signed and sealed by Luis R. Lomas, P.E.

D. QUALITY ASSURANCE

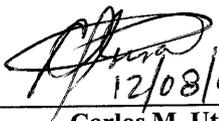
1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS "Submitted under NOA # 08-1202.13"

1. Statement letter of code conformance and no financial interest, issued by L. Roberto Lomas, P.E., dated 11/18/08, signed and sealed by Luis R. Lomas, P.E.
2. Laboratory compliance letters issued by Architectural Testing, Inc., for Test Reports No. **83741.01-801-18** and **83743.01-801-18**, both dated 09/19/08 and signed and sealed by Joseph A. Reed, P.E.



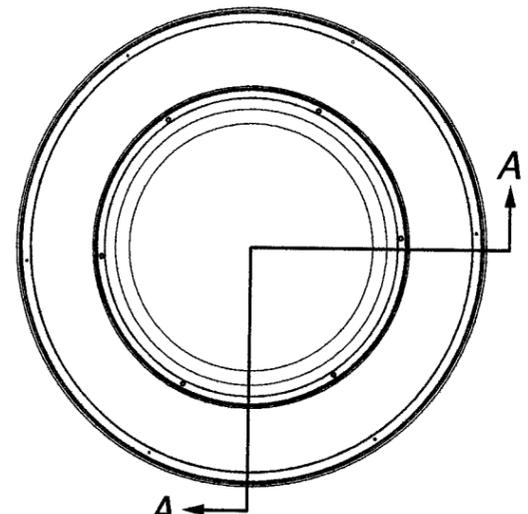
12/08/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 09-1015.03
Expiration Date: March 11, 2014
Approval Date: December 30, 2009

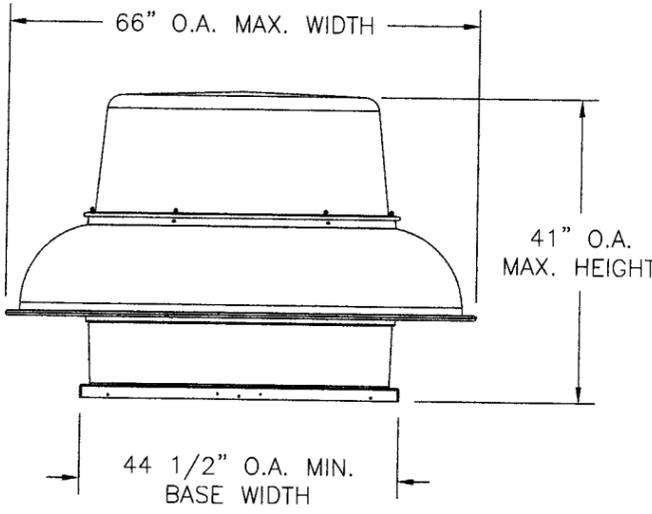
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MIAMI-DADE COMMENTS	01/21/09	RL
B	DP REVISED PER CODE REQUIREMENTS	9/16/09	RL

NOTES:

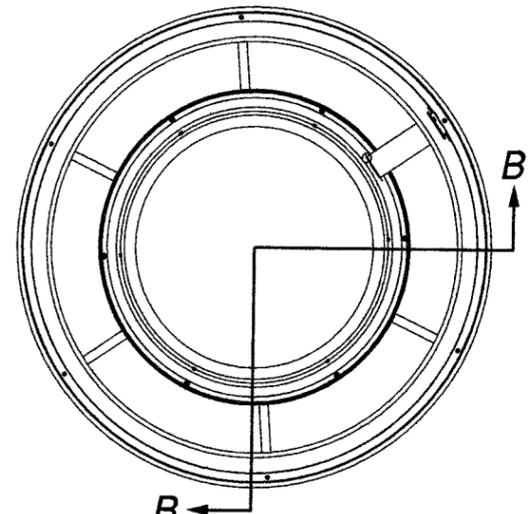
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ
- 2) WOOD FRAMING, METAL FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3) CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF UNIT OPENING AND ALL WOOD FRAMING AROUND UNIT.
- 4) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND-BORNE DEBRIS REGIONS.
- 5) SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 6) FOR INSTALLATION INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 7) FOR INSTALLATION INTO CONCRETE SLAB USE 3/16" ELCO TAPCON WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 8) FOR ANCHORING INTO STEEL FRAMING USE #12 TEK SELF TAPPING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF THREE THREADS PAST THE FRAME THICKNESS. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 9) ALL INSTALLATION FASTENERS TO BE CORROSION RESISTANT.
- 10) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,200 PSI.
 - C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL FRAMING - .125" MINIMUM THICKNESS
- 11) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 12) VENT HOUSING MATERIAL: 1100-O ALUMINUM.
- 13) VENT BASE MATERIAL: MINIMUM .042" THK. G-90 GALVANIZED STEEL MINIMUM.
- 14) GREASE BOX AND EXTERNAL WEATHERPROOF JUNCTION BOX MAY BE ATTACHED TO THIS PRODUCT. GREASE BOX AND EXTERNAL WEATHERPROOF JUNCTION BOX ARE NOT PART OF THIS APPROVAL.
- 15) THIS APPROVAL IS FOR STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSING ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM AND/OR ELECTRICAL DEVICE OR CIRCUIT.
- 16) THESE FANS HAVE NOT BEEN TESTED FOR WATER PENETRATION.



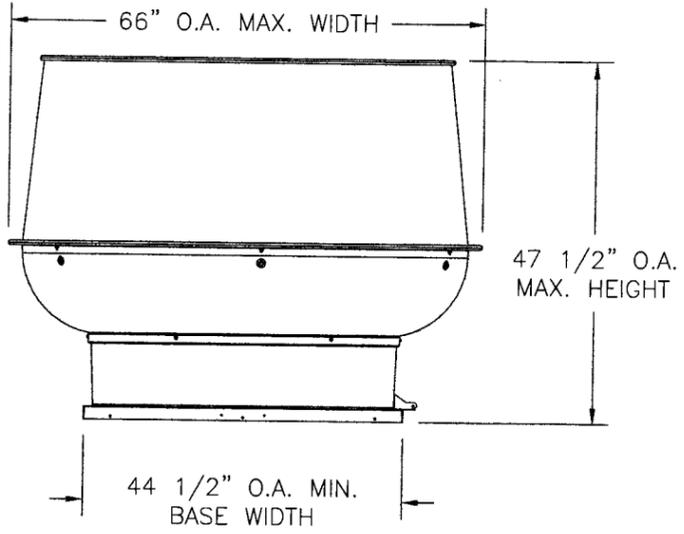
DX36B DOMEX DOWNBLAST ROOF VENT
TOP VIEW



DX36B DOMEX DOWNBLAST ROOF VENT
ELEVATION VIEW



FX36B FUMEX UPBLAST ROOF VENT
TOP VIEW



FX36B FUMEX UPBLAST ROOF VENT
ELEVATION VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±50.0 PSF	LARGE AND SMALL MISSILE IMPACT

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION, TOP VIEWS AND GENERAL NOTES
2	BILL OF MATERIALS AND SECTIONS
3	INSTALLATION DETAILS
4	COMPONENTS

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 09-1015.03
Expiration Date 03/11/2014
By *[Signature]*
Miami Dade Product Control Division

PennBarry
1401 NORTH PLANO ROAD
RICHARDSON, TX 75081

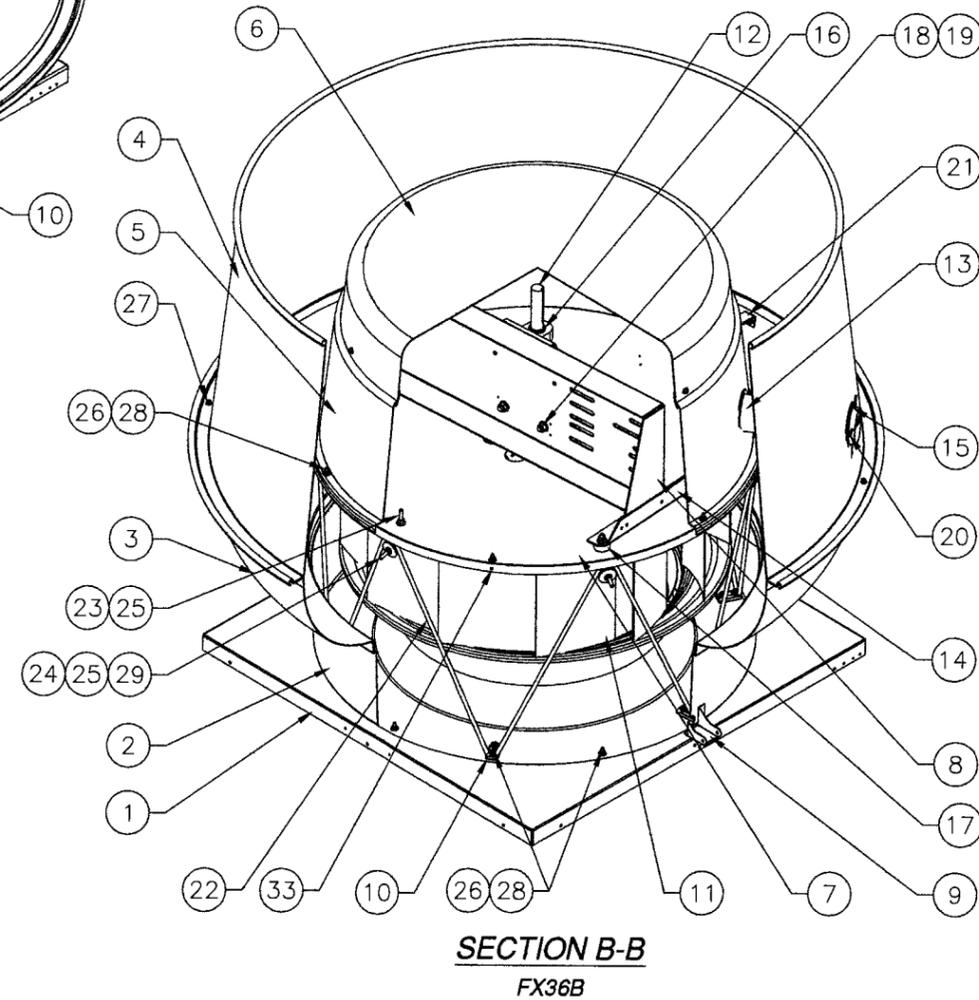
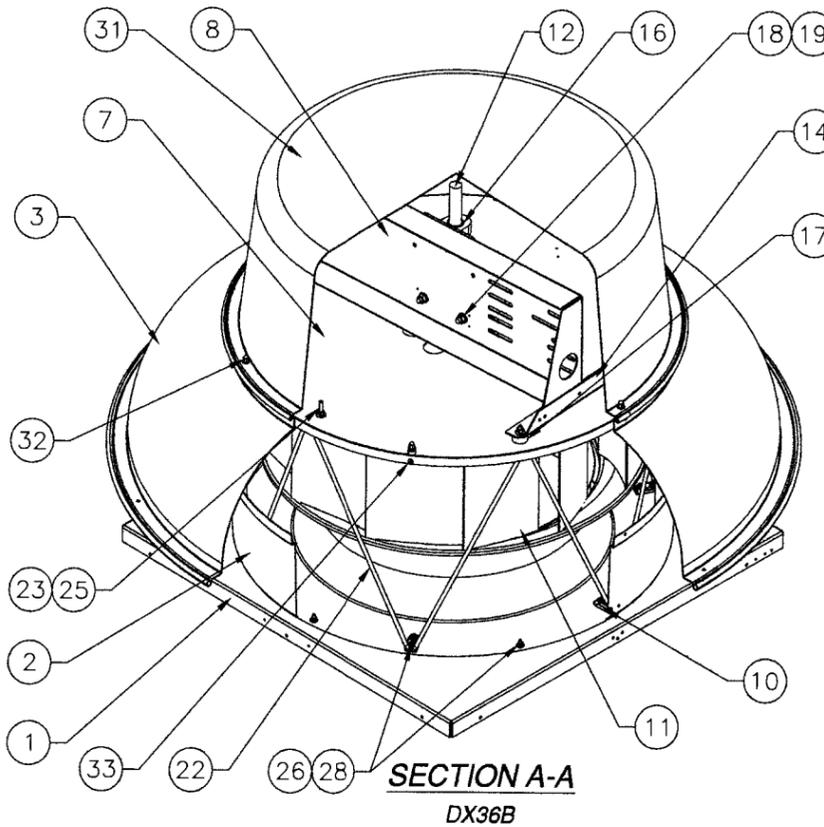
DX DOMEX DOWNBLAST ROOF VENT
FX FUMEX UPBLAST ROOF VENT
ELEVATION, TOP VIEW AND GENERAL NOTES

DRAWN: TJH	DWG NO. 08-00622	REV B
SCALE NTS	DATE 10/8/08	SHEET 1 OF 4

[Signature]
10/21/09

Luis R. Lomas P.E.
Florida No. 62514

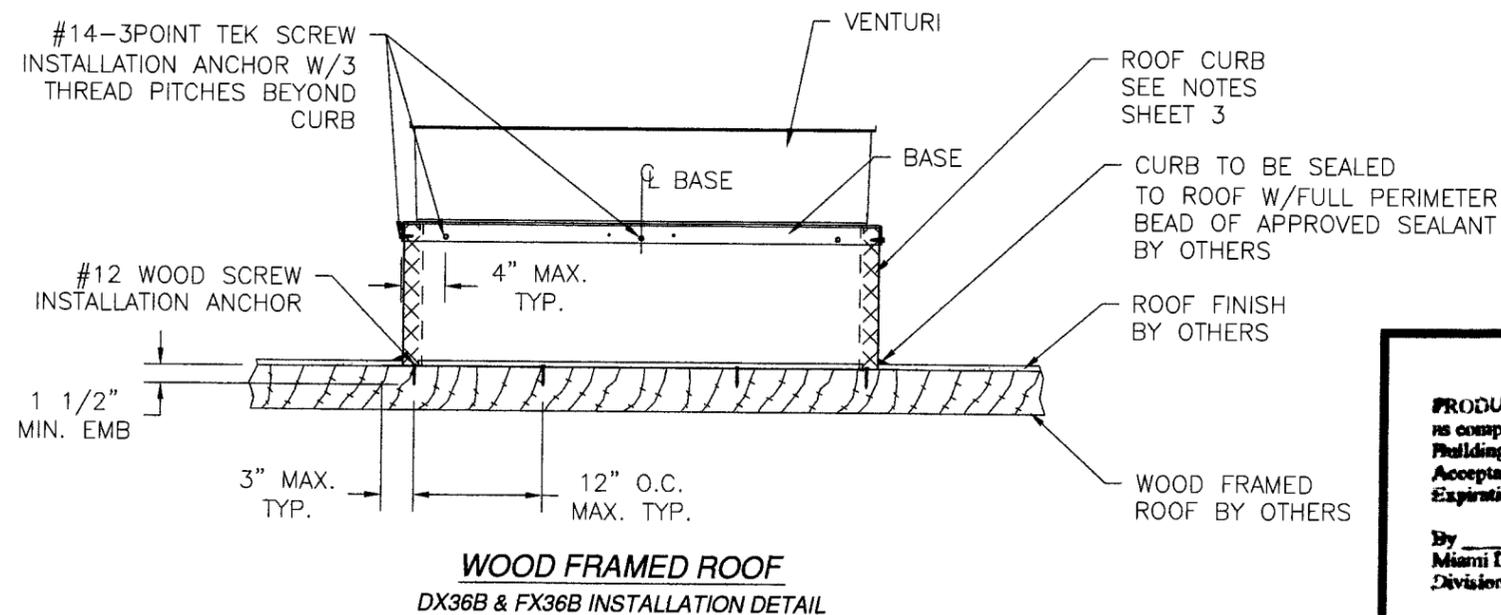
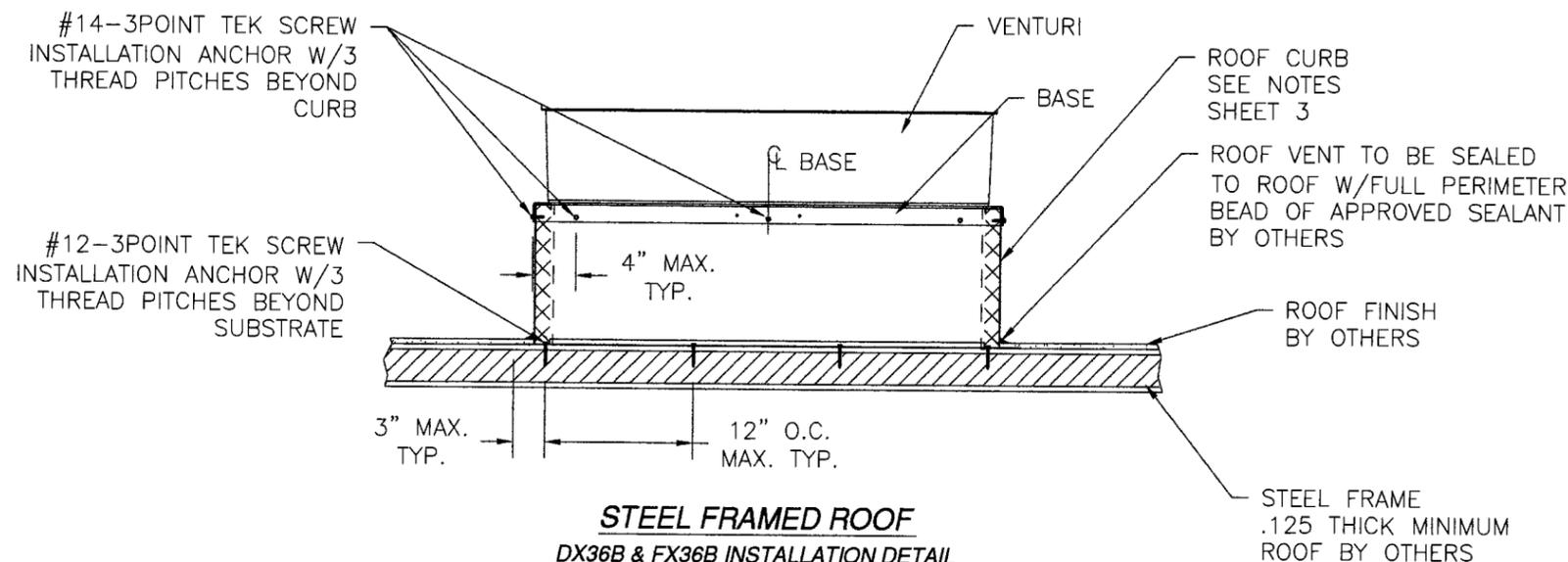
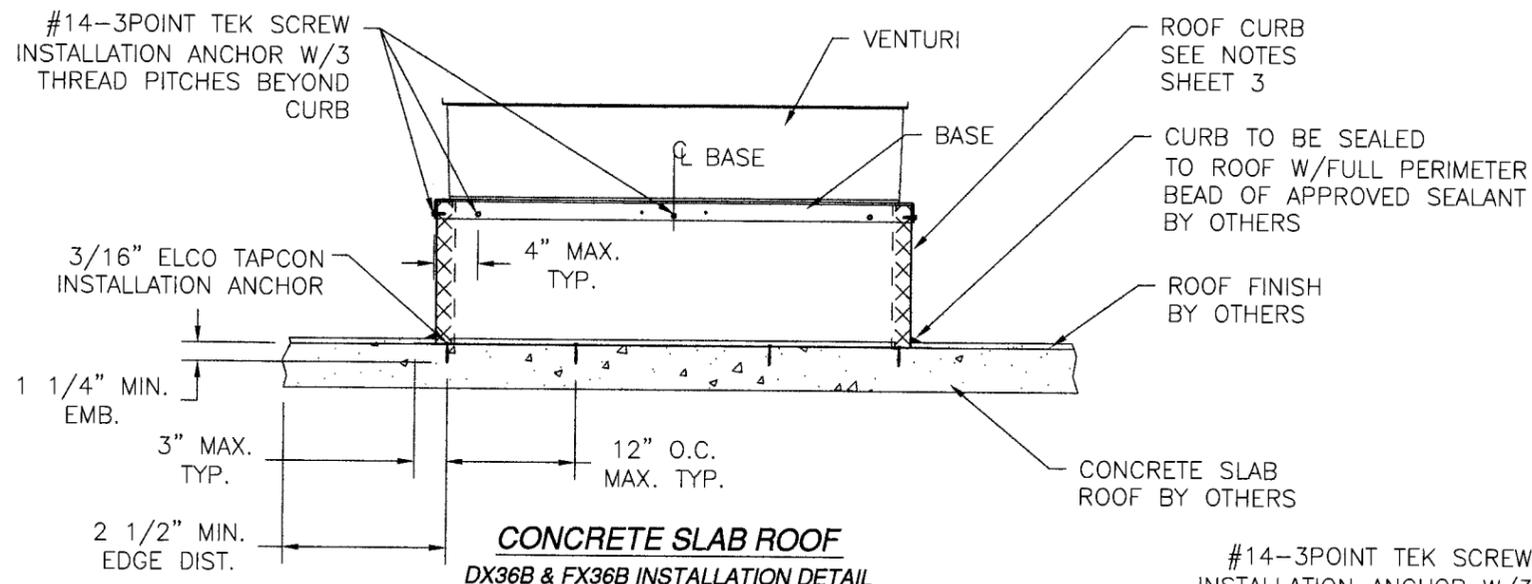
PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	16006-1	BASE	PennBarry	G-90 GALV. STEEL
2	16036-0	VENTURI	PennBarry	ALUMINUM 1100-0
3	16128-0	DISCHARGE APRON	PennBarry	ALUMINUM 1100-0
4	16153-0	WINDBAND	PennBarry	ALUMINUM 1100-0
5	16230-0	HOOD BOTTOM	PennBarry	ALUMINUM 1100-0
6	16205-0	HOOD TOP	PennBarry	ALUMINUM 1100-0
7	16055-0	TOP PLATE	PennBarry	ALUMINUM 1100-0
8	16304-0	MOTOR MOUNTING PLATE	PennBarry	G-90 GALV. CRS
9	16392-0	DRAIN SPOUT	PennBarry	ALUMINUM 1100-H14
10	18380-0	WIRE BRACE CLIP	LEESON	G-90 GALV. CRS
11	21179-0	FAN WHEEL	PennBarry	ALUMINUM, VARIOUS
12	03348-0	SHAFT	OEM CORP	CD 1045 STEEL
13	16405-0	COOLING TUBE	PennBarry	ALUMINUM 6005-T5
14	16280-0	MOTOR SUPPORT ANGLE	PennBarry	G-90 GALV. STEEL
15	63043-0	GROMMET	RUBBERMILL	BLACK SILICONE
16	57091-0	BEARING	POWER RITE	CAST IRON
17	63010-0	VIBRATION ISOLATOR	ELECTROLINE CORP	SANTOPRENE
18	55510-0	1/2-13 SERRATED FLANGE NUT	ILS	ZINC COATED STEEL
19	55601-0	1/2-13 x 1 1/2" HEX SERRATED FLANGE SCREW	ILS	SAE J429 GRADE 2
20	55286-0	COTTER PIN	ILS	ANSI B. 18.8.1
21	18285-0	HORIZONTAL BRACE	PennBarry	G-90 GALV. STEEL
22	16255-0	WIRE SUPPORT	RACINE IRON & WIRE	G-90 GALV. CRS
23		5/16-18 x 2" WELD STUD	ILS	AISI C1010 LOW CS
24	55514-0	5/16-18 x 1 1/2" HEX SERRATED FLANGE SCREW	ILS	SAE J429 GRADE 2
25	55501-0	5/16-18 SERRATED LARGE FLANGE NUT	ILS	SAE J995 GRADE 2
26	55500-0	1/4-20 SERRATED LARGE FLANGE NUT	ILS	SAE J995 GRADE 2
27	55696-0	1/4-20 x 3/4" HEX SERRATED FLANGE SCREW	ILS	SAE J429 GRADE 5
28	55640-0	1/4-20 PEM HIGH STRENGTH STUD	ILS	STEEL
29	55541-0	WASHER 1/8" x 3/8" x 1 3/4"	ILS	ZINC PLATED STEEL
30		ROOF CURB	RPS	G-90 GALV. STEEL
31	16178-0	MOTOR HOOD	PennBarry	ALUMINUM 1100-0
32	55490-0	1/4-20 UNC-2B FLANGED ACORN NUT	ILS	ZINC DIE CAST
33	55940-0	1/4" BODY DIA. POP RIVET		ZINC COATED STEEL



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MIAMI-DADE COMMENTS	01/21/09	RL
B	DP REVISED PER CODE REQUIREMENTS	9/16/09	RL

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 09-1015.03 Expiration Date 03/11/2014 By <i>[Signature]</i> Miami Dade Product Control Division	PennBarry 1401 NORTH PLANO ROAD RICHARDSON, TX 75081		<i>[Signature]</i> 10/01/09 Luis R. Lomas P.E. Florida No. 62514
	DX DOMEX DOWNBLAST ROOF VENT FX FUMEX UPBLAST ROOF VENT BILL OF MATERIALS AND SECTIONS		
	DRAWN: TJH	DWG. NO. 08-00622	
SCALE NTS	DATE 10/8/08	SHEET 2 OF 4	

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MIAMI-DADE COMMENTS	01/21/09	RL
B	DP REVISED PER CODE REQUIREMENTS	9/16/09	RL



- NOTES:
1. ALL FOUR SIDES OF CURB AND BASE ARE ANCHORED IDENTICALLY.
 2. ROOF CURB IS INSTALLED TO ROOF FIRST. FAN IS THEN MOUNTED TO CURB USING #14-3POINT TEK SCREWS AS SHOWN ABOVE.
 3. SEE SHEET 4, COMPONENTS FOR ROOF CURB CONSTRUCTION.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 07-1015.03
 Expiration Date 03/11/2013
 By *[Signature]*
 Miami Dade Product Control
 Division

PennBarry

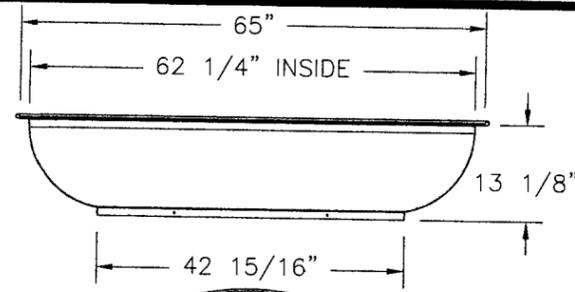
1401 NORTH PLANO ROAD
 RICHARDSON, TX 75081

DX DOMEX DOWNBLAST ROOF VENT
 FX FUMEX UPBLAST ROOF VENT
 INSTALLATION DETAILS

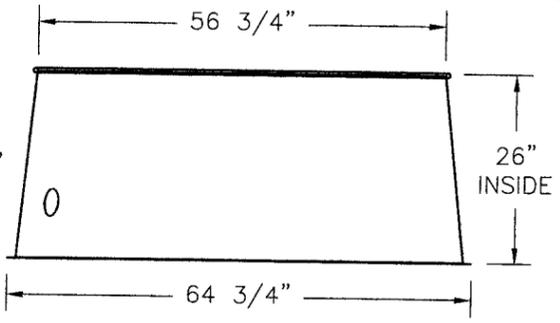
DRAWN: TJH	DWG NO. 08-00622	REV B
SCALE NTS	DATE 10/8/08	SHEET 3 OF 4

[Signature]
 10/01/09

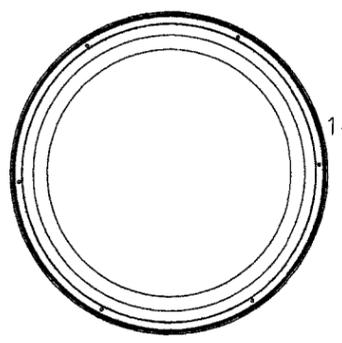
Luis R. Lomas P.E.
 Florida No. 62514



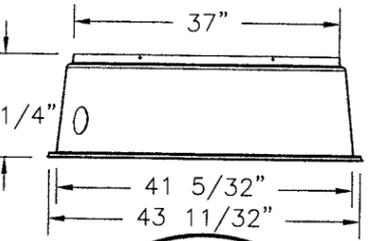
3 **DISCHARGE APRON**
.080" THK. 1100-O ALUM.



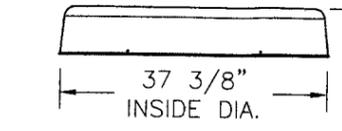
4 **WIND BAND**
.125" THK. 1100-O ALUM.



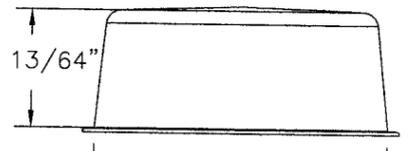
5 **HOOD BOTTOM**
.080" THK. 1100-O ALUM.



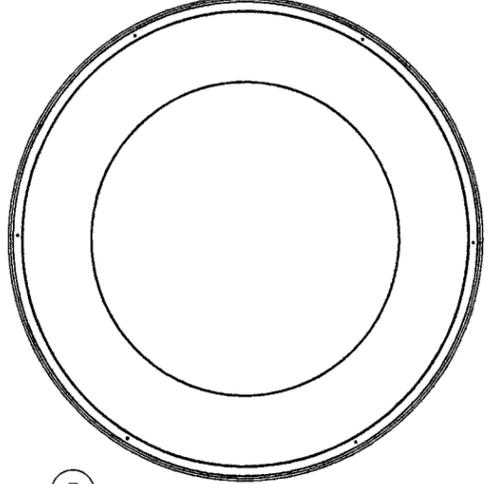
6 **HOOD TOP**
.064" THK. 1100-O ALUM.



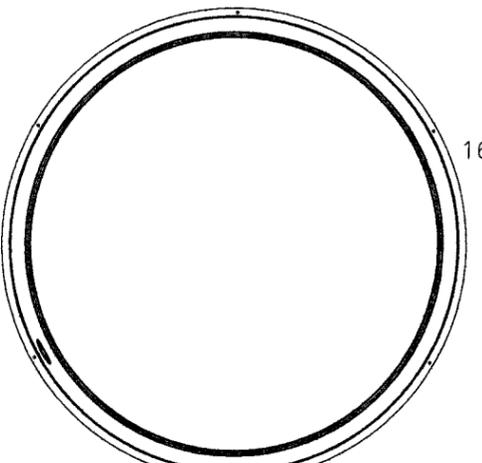
8 **MOTOR MOUNTING PLATE**
.1084" THK. G-90 GALV. CRS



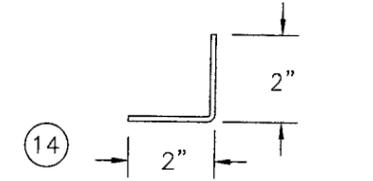
31 **MOTOR HOOD**
.080" THK. 1100-O ALUM.



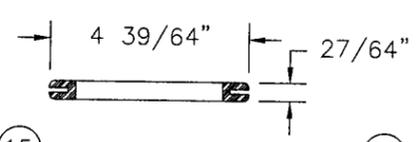
2 **VENTURI**
.064" THK. 1100-O ALUM.



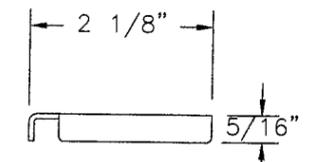
1 **BASE**
.1084" THK. G-90 GALV. STEEL



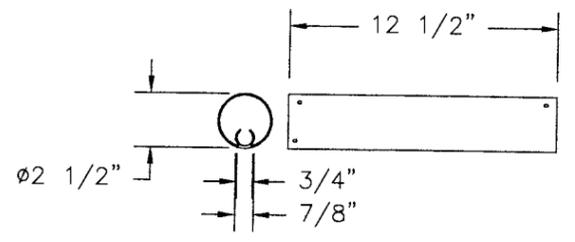
14 **MOTOR SUPPORT ANGLE**
.138" THK. G-90 GALV. STEEL



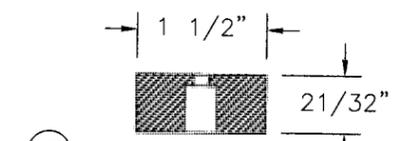
15 **GROMMET**
BLACK SILICONE



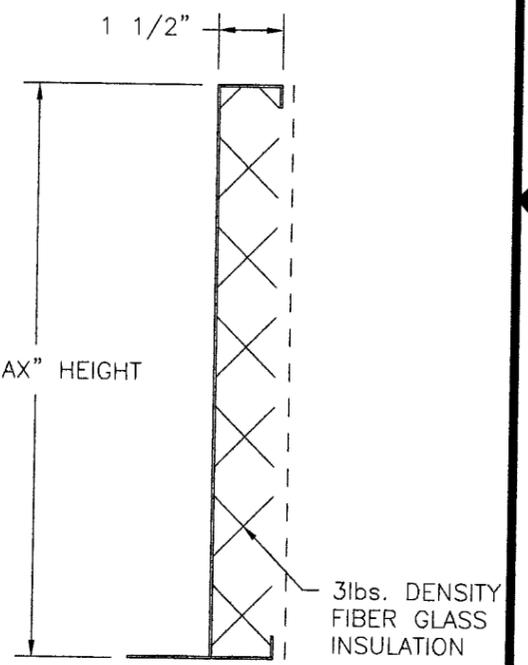
10 **WIRE BRACE CLIP**
.064" THK. G-90 GALV. STEEL



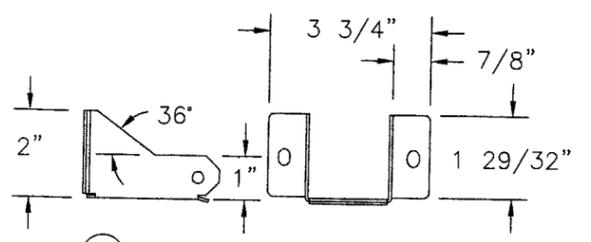
13 **COOLING TUBE**



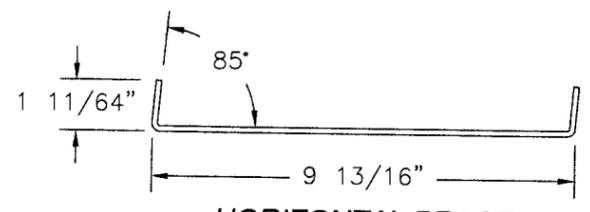
17 **VIBRATION ISOLATOR**
SANTOPRENE



30 **ROOF CURB**
18GA. G-90 GALV. STEEL



9 **DRAIN SPOUT**
.064" 1100-H14 ALUM.



21 **HORIZONTAL BRACE**
.138" THK. G-90 GALV. STEEL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	UPDATED PER MIAMI-DADE COMMENTS	01/21/09	RL
B	DP REVISED PER CODE REQUIREMENTS	9/16/09	RL

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 09-1015.03 Expiration Date 02/11/2014 By <i>[Signature]</i> Miami Dade Product Control Division	PennBarry 1401 NORTH PLANO ROAD RICHARDSON, TX 75081		<i>[Signature]</i> 10/01/09
	DX DOMEX DOWNBLAST ROOF VENT FX FUMEX UPBLAST ROOF VENT COMPONENTS		
DRAWN: TJH	DWG NO. 08-00622	REV B	Luis R. Lomas P.E. Florida No. 62514
SCALE NTS	DATE 10/8/08	SHEET 4 OF 4	