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)

American Coolair Corporation
P.O. Box 2300
Jacksonville, FL 32203

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 CR-A and U-CA Aluminum Rooftop Fans

APPROVAL DOCUMENT: Drawing No. **13-027**, titled "CR_A & U_CA Type Roof Mounted Capped Power Ventilators Hurricane rated", sheets 1 through 22 of 22, dated 03/19/2013, prepared by Tilteco, Inc, signed and sealed by Walter A. Tillit, Jr., P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and revision 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.

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 # 10-0303.03** 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.**

MIAMI-DADE COUNTY APPROVED

05/17/2013

NOA No. 13-0403.02
Expiration Date: April 22, 2015
Approval Date: May 23, 2013

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **13-027**, titled "CR_A & U_CA Type Roof Mounted Capped Power Ventilators Hurricane rated", sheets 1 through 22 of 22, dated 03/19/2013, prepared by Tilteco, Inc, signed and sealed by Walter A. Tillit, Jr., P.E.

B. TESTS *"Submitted under NOA # 10-0303.03"*

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 CR-A Type Unit Size 30 Roof Mounted Capped Power Ventilator Hurricane Rated, prepared by American Test Lab of South Florida, Test Report No. **1006.02-09**, dated 02/24/2010, signed and sealed by Edmundo Largaespada, 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 U-CA Type Unit Size 30 Roof Mounted Power Ventilator Hurricane Rated, prepared by American Test Lab of South Florida, Test Report No. **1006.01-09**, dated 02/24/2010, signed and sealed by Edmundo Largaespada, P.E.

C. CALCULATIONS *"Submitted under NOA # 10-0303.03"*

1. Anchoring verification calculations, prepared by Tilteco, Inc, dated 07/31/2009, signed and sealed by Walter A. Tillit, Jr., 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 Tilteco, Inc, dated 03/21/2013, signed and sealed by Walter A. Tillit, Jr., P.E.

2. Statement letter of no financial interest, issued by Tilteco, Inc, dated 02/15/2010, signed and sealed by Walter A. Tillit, Jr., P.E. ***"Submitted under NOA # 10-0303.03"***

05/17/2013

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 13-0403.02
Expiration Date: April 22, 2015
Approval Date: May 23, 2013

GENERAL NOTES:

1. CR_A & U_CA TYPE ROOF MOUNTED CAPPED POWER VENTILATORS HURRICANE RATED SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAVE BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2010 EDITION OF THE FLORIDA BUILDING CODE.
   THESE VENTILATORS MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES. (MIAMI-DADE/BROWARD COUNTIES)
   DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTION 1620 OF THE ABOVE MENTIONED CODE, USING ASCE 7-10 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 2.

   IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-10 SHALL BE FIRST REDUCED TO A.S.D. DESIGN LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATING INDICATED ON NOTE 2.

   IN ORDER TO VERIFY THAT ANCHORS ON THIS P.A.D. AS TESTED, WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2005.
   VENTILATORS' ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTION 1626 (EXCEPT CYCLIC TEST) OF THE ABOVE MENTIONED CODE AS PER AMERICAN TESTING LAB. OF SOUTH FL. REPORTS # 1006.01-09 & 1006.02-09, AS PER TAS-201 AND TAS-202 PROTOCOLS (INCLUDING PULL TEST TO VERIFY OVERTURNING CAPACITY).

2. **MAXIMUM A.S.D. DESIGN PRESSURE RATING: +61.0, -61.0 p.s.f.**

3. THESE VENTILATORS HAVE NOT BEEN TESTED FOR WIND DRIVEN RAIN PER FLORIDA BUILDING CODE, TAS 100(A).

4. THESE VENTILATORS WERE TESTED FOR STRUCTURAL STRENGTH OF THE OUTER HOUSING PARTS AND THE ABILITY OF THE VENTILATOR TO OPERATE AFTER TESTING.

5. THIS APPROVAL IS FOR THE STRUCTURAL PERFORMANCE AND IMPACT RESISTANCE ONLY. INTERIOR MECHANISM AND/OR ELECTRICAL CIRCUITRY ARE OUTSIDE THE SCOPE OF THIS APPROVAL.

6. VENTILATORS ROOF CURB MUST BE ANCHORED DIRECTLY INTO ROOF FRAMING MEMBERS AND NOT TO ROOFING SYSTEM.
   AFTER THIS INSTALLATION IS COMPLETED, TENANT MUST RE-ROOF ALL AROUND ROOF AREA WHERE VENTILATOR WAS INSTALLED TO PREVENT WATER INTRUSION. ALL ROOFING DETAILS SHALL COMPLY WITH **CHAPTER 15**, SECTIONS **1512** THRU **1524** OF THE FLORIDA BUILDING CODE.

7. ROOF STRUCTURE MUST BE DESIGNED TO WITHSTAND THE WEIGHT AND LOADING TRANSFERRED BY ROOF TOP VENTILATORS.

8. FASTENERS SHALL BE AS SPECIFIED AND INSTALLED AS DETAILED ON SHEET 4 (FOR CR_A) & SHEET 16 (FOR U_CA).
   THESE VENTILATORS INCLUDE AN INLET BASE (FOR CR_A) AND BOTTOM HOUSING BASE ASSEMBLY (FOR U_CA) TO BE USED TO SECURE THE VENTILATOR TO THE ROOF CURB.
   THE ROOF CURB WILL BE ATTACHED TO THE BUILDING ROOF STRUCTURE TO ADEQUATELY SUPPLY A VENTILATOR-CURB ASSEMBLY TO RESIST HIGH VELOCITY HURRICANE ZONES WIND FORCES AND USING ANCHORS SPECIFIED ON NOTE 14.

9. THIS DRAWING REFERS TO CR_A & U_CA VENTILATORS, BOTH BELT DRIVE AND DIRECT DRIVE TYPE WHICH ARE MANUFACTURED WITH THE SAME OUTER HOUSING PARTS.

10. ALL ALUMINUM AND STEEL COMPONENTS SHALL BE AS INDICATED ON THIS DRAWING AT BILL OF MATERIALS ON SHEET 3 (FOR CR_A) AND ON SHEET 15 (FOR U_CA).

11. BOLTS TO BE ASTM A 307, GALVANIZED OR ZINC PLATED PER ASTM B 633 WITH 36 k.s.i. MINIMUM YIELD STRENGTH.

12. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 AND SECTION 2411.3.3.4 OF THE FLORIDA BUILDING CODE WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH.

13. ALL POP RIVETS TO BE ZINC PLATED STEEL.

14. ANCHORS TO EXISTING BUILDING ROOF STRUCTURE SHALL BE AS FOLLOWS: SEE SHEET 4 (FOR CR_A) & SHEET 16 (FOR U_CA)

   (A) TO EXISTING POURED CONCRETE (Min. f'c=3000 p.s.i.).:

   - 3/8"ø LARGE DIAMETER TAPCON (LDT) ANCHOR AS MANUFACTURED BY ITW RED HEAD.

   A.1) MINIMUM EMBEDMENT OF TAPCON ANCHOR INTO POURED CONCRETE SHALL BE 2 1/2", BEYOND ANY FINISH MATERIAL.

   A.2) MINIMUM TAPCON ANCHOR SPACING SHALL BE 3".

   A.3) MINIMUM EDGE DISTANCE (E.D.) OF TAPCON ANCHOR INTO POURED CONCRETE SHALL BE 1 3/4".
   EDGE DISTANCE IS BEYOND ANY FINISH MATERIAL.

   (B) TO EXISTING MIN. 1/8" THICK STEEL (ASTM A-500, A-653 OR A-36):

   - 1/4"øx3/4" TEK SCREW AS MANUFACTURED BY ITW BUILDEX, INC.

   B.1) MINIMUM TEK SCREW SPACING SHALL BE 1".

   B.2) MINIMUM EDGE DISTANCE (E.D.) OF TEK SCREW INTO STEEL SHALL BE 1/2".
   EDGE DISTANCE IS BEYOND ANY FINISH MATERIAL.

   (C) TO EXISTING WOOD (MIN. SPECIFIC GRAVITY, G = 0.55 MIN.):

   - 3/8"ø LAG SCREW, PER **N.D.S. 2005**.

   C.1) MINIMUM THREADED PENETRATION OF LAG SCREW, INTO THE WOOD FRAME UNIT SHALL BE 3", BEYOND ANY FINISH MATERIAL.

   C.2) MINIMUM LAG SCREW SPACING SHALL BE 1 1/2".

   C.3) MINIMUM EDGE DISTANCE (E.D.) OF LAG SCREW, INTO WOOD SHALL BE 3/4".
   EDGE DISTANCE IS BEYOND ANY FINISH MATERIAL.

   (D) ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.

15. THE INSTALLATION CONTRACTOR IS TO SEAL/CAULK ALL VENTILATORS COMPONENT EDGES BETWEEN ROOF CURB & INLET BASE (FOR CR_A) AND ROOF CURB & BOTTOM HOUSING BASE ASSEMBLY (FOR U_CA) TO PREVENT WIND/RAIN INTRUSION.

16. THIS PRODUCT INSTALLATION SHALL COMPLY WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.

17. (A) THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.A.D.

   (B) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS P.A.D. PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

   (C) THIS PRODUCT APPROVAL DOCUMENT WILL BE CONSIDERED INVALID IF MODIFIED.

   (D) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.A.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.A.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

   (E) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

18. VENTILATORS MANUFACTURER'S LABEL SHALL BE PLACED ON A READILY AND VISIBLE LOCATION AT PRODUCT.
    ONE LABEL SHALL BE PLACED FOR EVERY VENTILATOR.
    LABEL SHALL READ AS FOLLOWS:
    AMERICAN COOLAIR
    JACKSONVILLE, FLORIDA
    MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

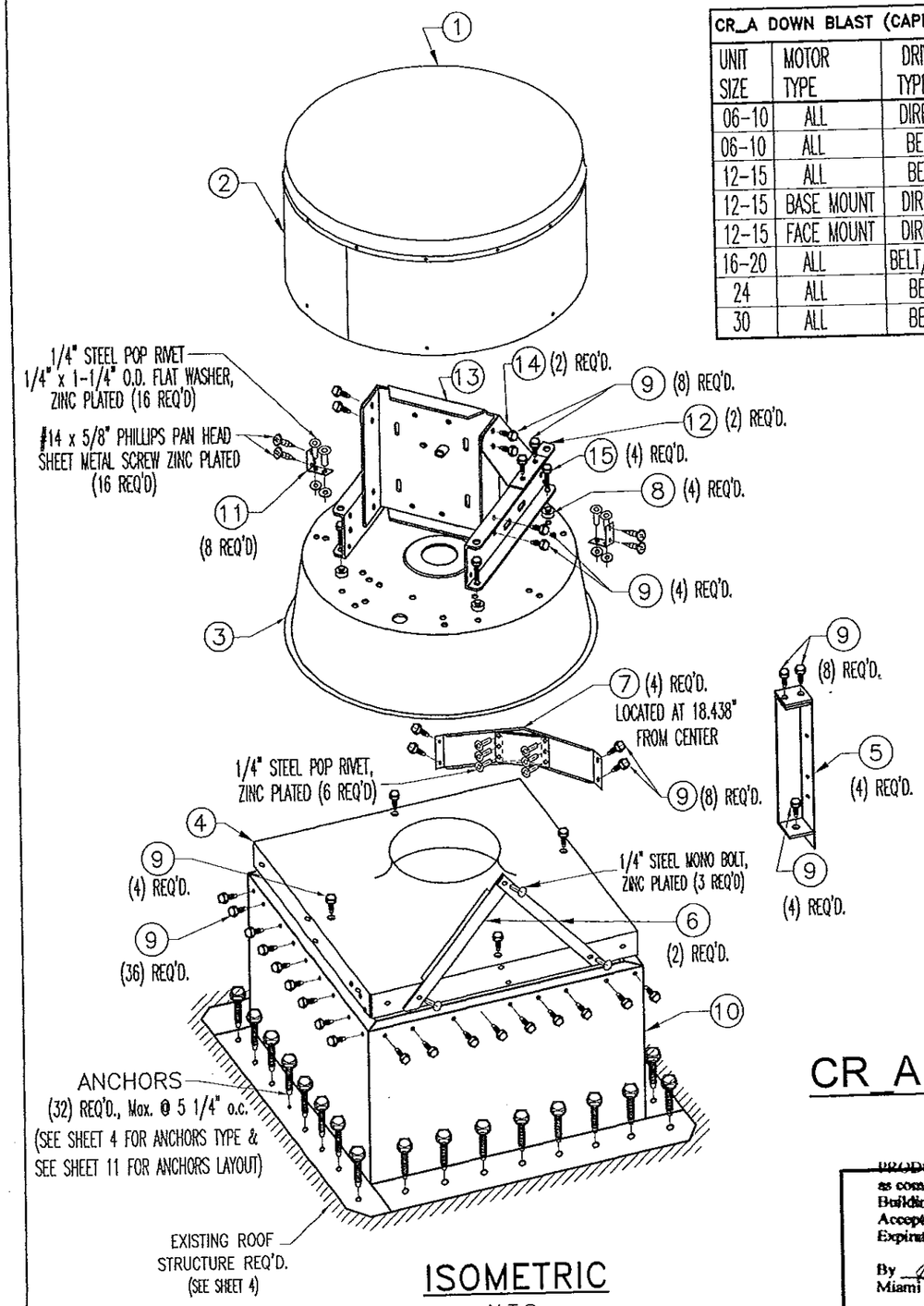
CR_A & U_CA TYPE ROOF MOUNTED CAPPED POWER VENTILATORS HURRICANE RATED

AMERICAN COOLAIR
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

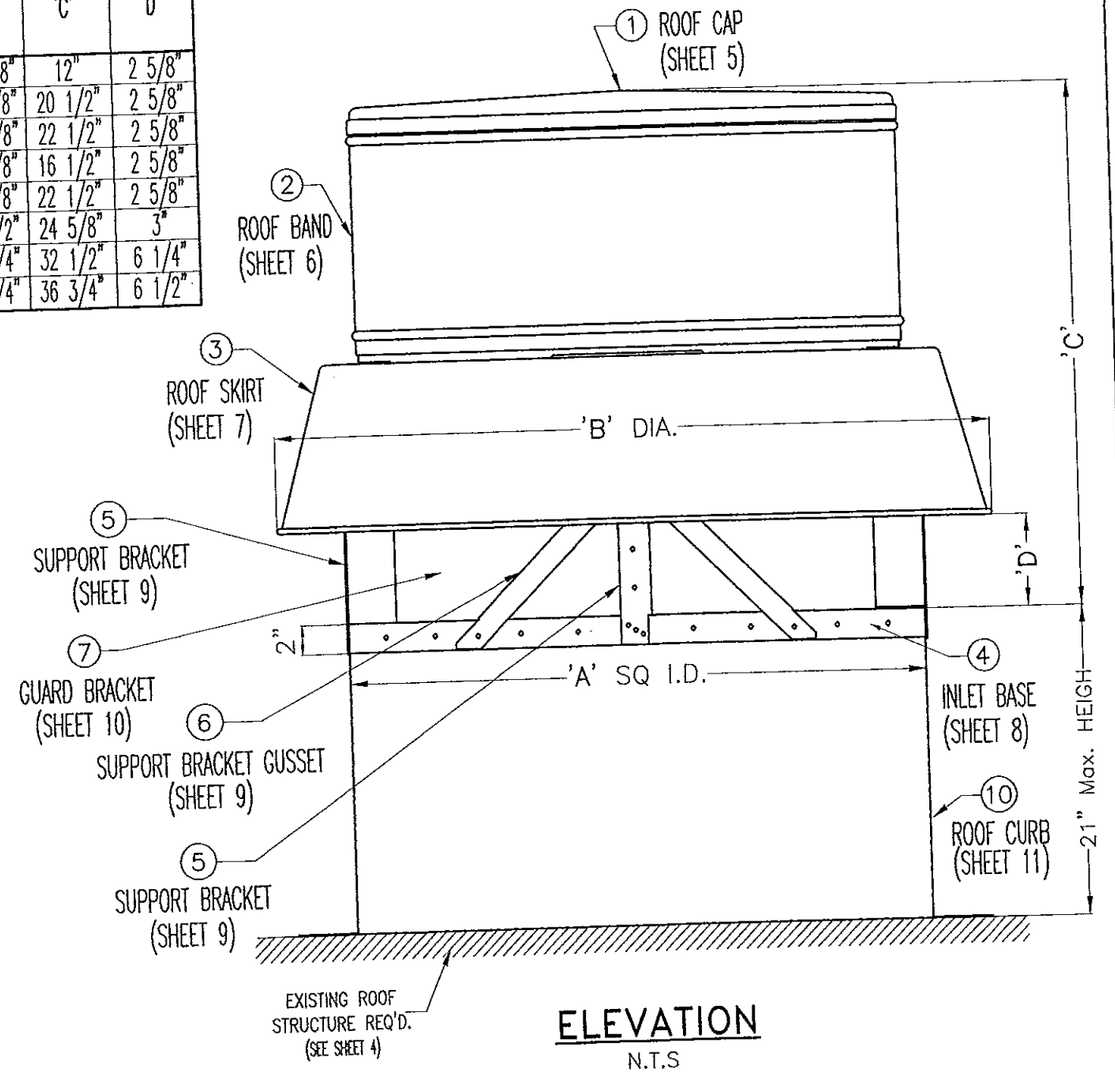
DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No

CR_A DOWN BLAST (CAPPED) VENTILADOR UNIT SIZES SCHEDULE #1						
UNIT SIZE	MOTOR TYPE	DRIVE TYPE	'A'	'B'	'C'	'D'
06-10	ALL	DIRECT	18"	23 1/8"	12"	2 5/8"
06-10	ALL	BELT	18"	23 1/8"	20 1/2"	2 5/8"
12-15	ALL	BELT	23"	28 5/8"	22 1/2"	2 5/8"
12-15	BASE MOUNT	DIRECT	23"	28 5/8"	16 1/2"	2 5/8"
12-15	FACE MOUNT	DIRECT	23"	28 5/8"	22 1/2"	2 5/8"
16-20	ALL	BELT/DIRECT	30"	35 1/2"	24 5/8"	3"
24	ALL	BELT	34"	41 3/4"	32 1/2"	6 1/4"
30	ALL	BELT	40"	49 3/4"	36 3/4"	6 1/2"



ISOMETRIC

N.T.S



ELEVATION

N.T.S

CR_A TYPE VENTILATOR

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No 13-1103.02
Expiration Date 4/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SIGNATURE AND DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St. Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

DRAWN BY: AG

03/19/13 DATE

AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

13-027 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL
1	ROOF CAP	0.063" THK. 3003-O ALUMINUM W/ Fu = 16 ksi. & Fy = 6 ksi.
2	ROOF BAND	0.063" THK. 5052-H32 ALUMINUM
3	ROOF SKIRT	0.080" THK. 3003-O ALUMINUM W/ Fu = 16 ksi. & Fy = 6 ksi.
4	INLET BASE	0.080" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL OR 3003-O ALUMINUM
5	SUPPORT BRACKET	0.126" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
6	SUPPORT BRACKETS GUSSET	0.071" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
7	GUARD BRACKET	0.096" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
8	VIBRATION ISOLATOR	RUBBER WITH SLEEVE
9	5/16" x 3/4" SELF TAPP SCREW	ZINC PLATED
10	ROOF CURB	0.071" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
11	ROOF BRACKET	0.071" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
12	SUPPORT RAILS	0.096" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
13	MOTOR/BEARING PLATES	0.096" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
14	SUPPORT GUSSET	0.096" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
15	5/16" x 1 3/4" SELF TAPP SCREW	ZINC PLATED

TOLERANCES UNLESS OTHERWISE NOTED

0 TO 9-31/32"	- PLUS OR MINUS 1/16"
10" TO 23-31/32"	- PLUS OR MINUS 1/8"
24" TO 47-31/32"	- PLUS OR MINUS 3/16"
48" TO 96"	- PLUS OR MINUS 1/4"
GREATER THAN 96"	- PLUS OR MINUS 3/8"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/02/2015
By
Miami Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

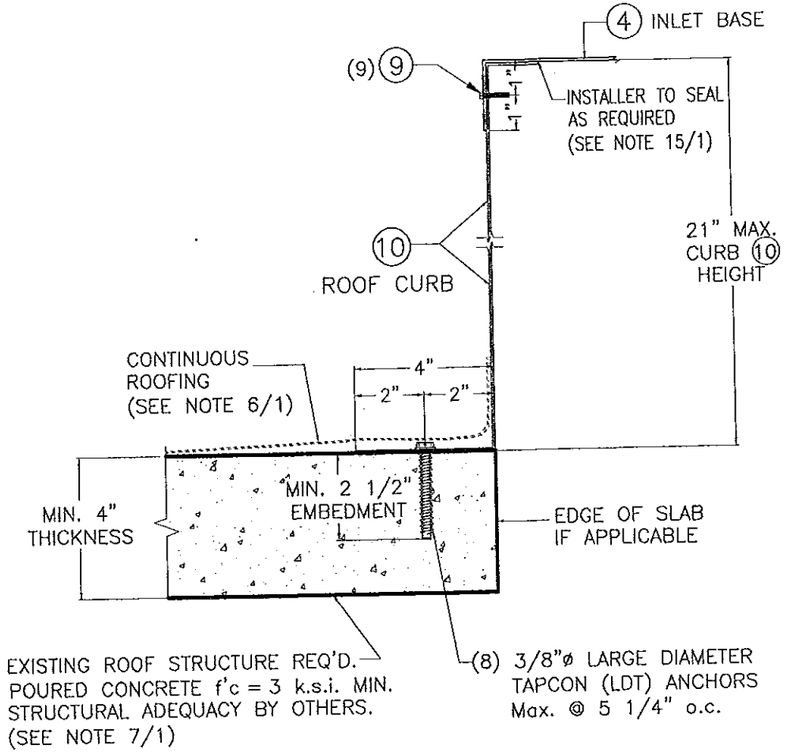
DRAWN BY: AG

03/19/13 DATE

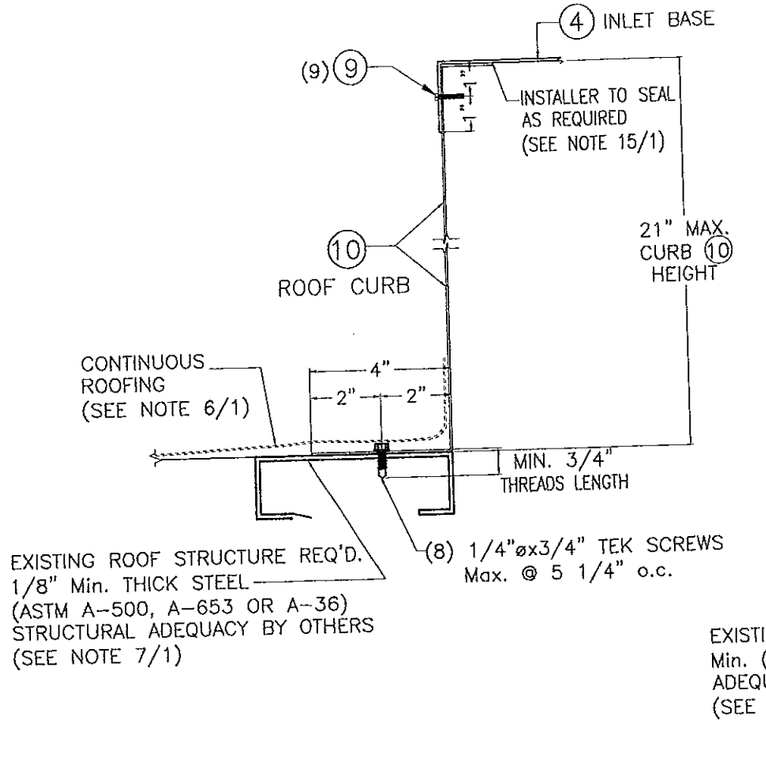
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

13-027 DRAWING No

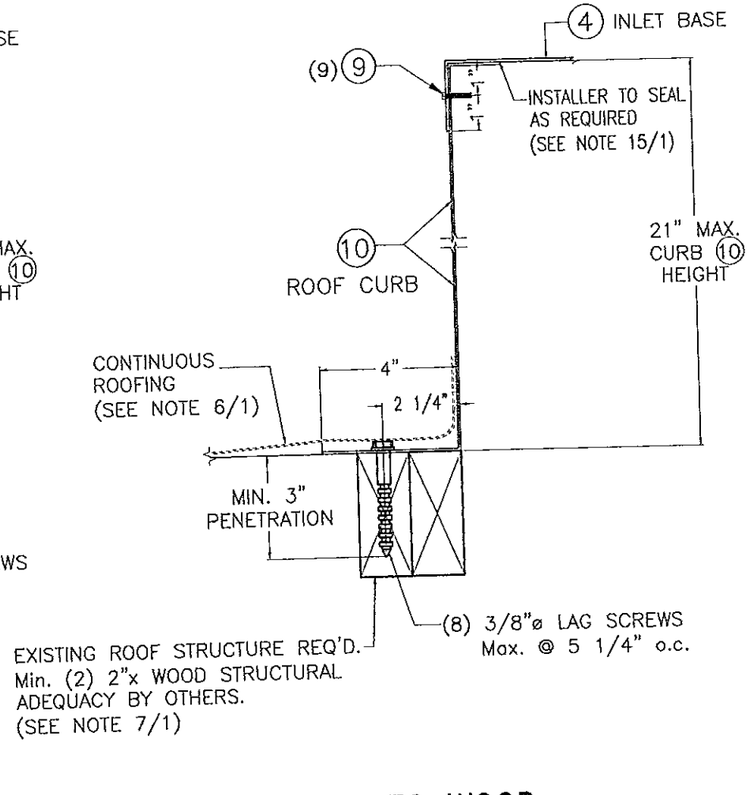
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		



TO CONCRETE



TO STEEL



TO WOOD

INSTALLATION OF CURB TO INLET BASE & TO ROOF STRUCTURE

SCALE: 1/4" = 1"

(SEE SHEET 11 FOR FASTENERS LAYOUT)

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SIGNATURE/DATE

© 2013 TILTECO INC.

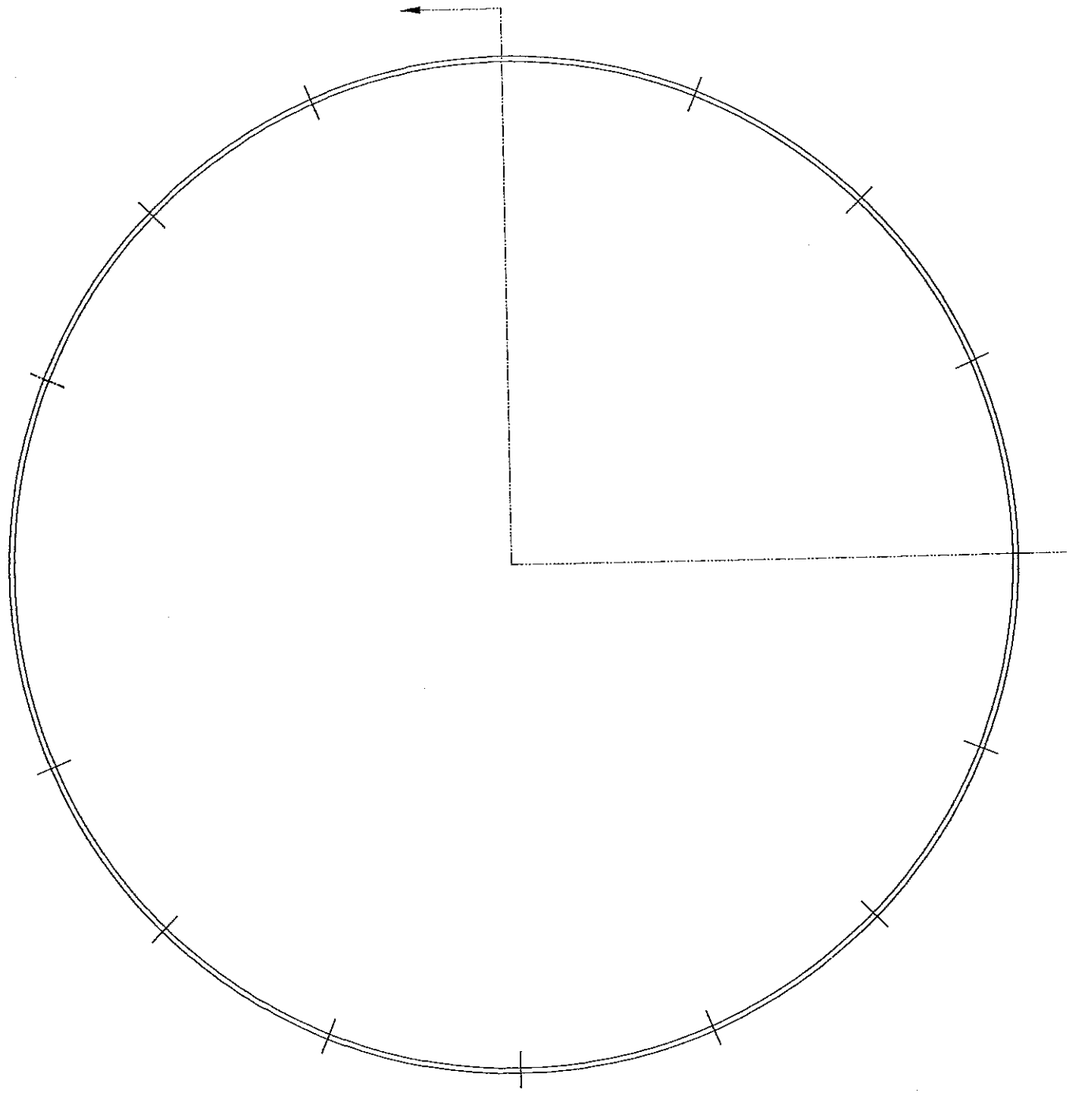
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St. Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

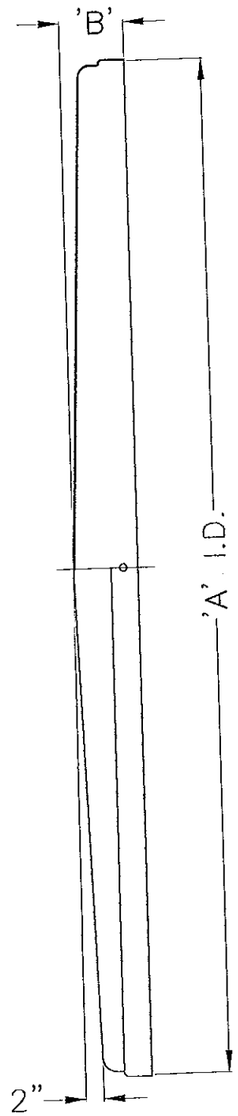
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)387-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No



TOP VIEW



SIDE VIEW

UNIT SIZE	'A'	'B'
06-10	18 3/8"	2 1/8"
12-15	20 1/2"	2 3/16"
16-20	25 9/16"	2 1/4"
24	29 13/16"	2 5/16"
30	38 3/16"	2 7/16"

(1) ROOF CAP

SCALE: 3/16" = 1"

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

~~PRODUCT REVISED~~
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami-Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE NO. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEAL/SIGNATURE

© 2013 TILTECO INC.

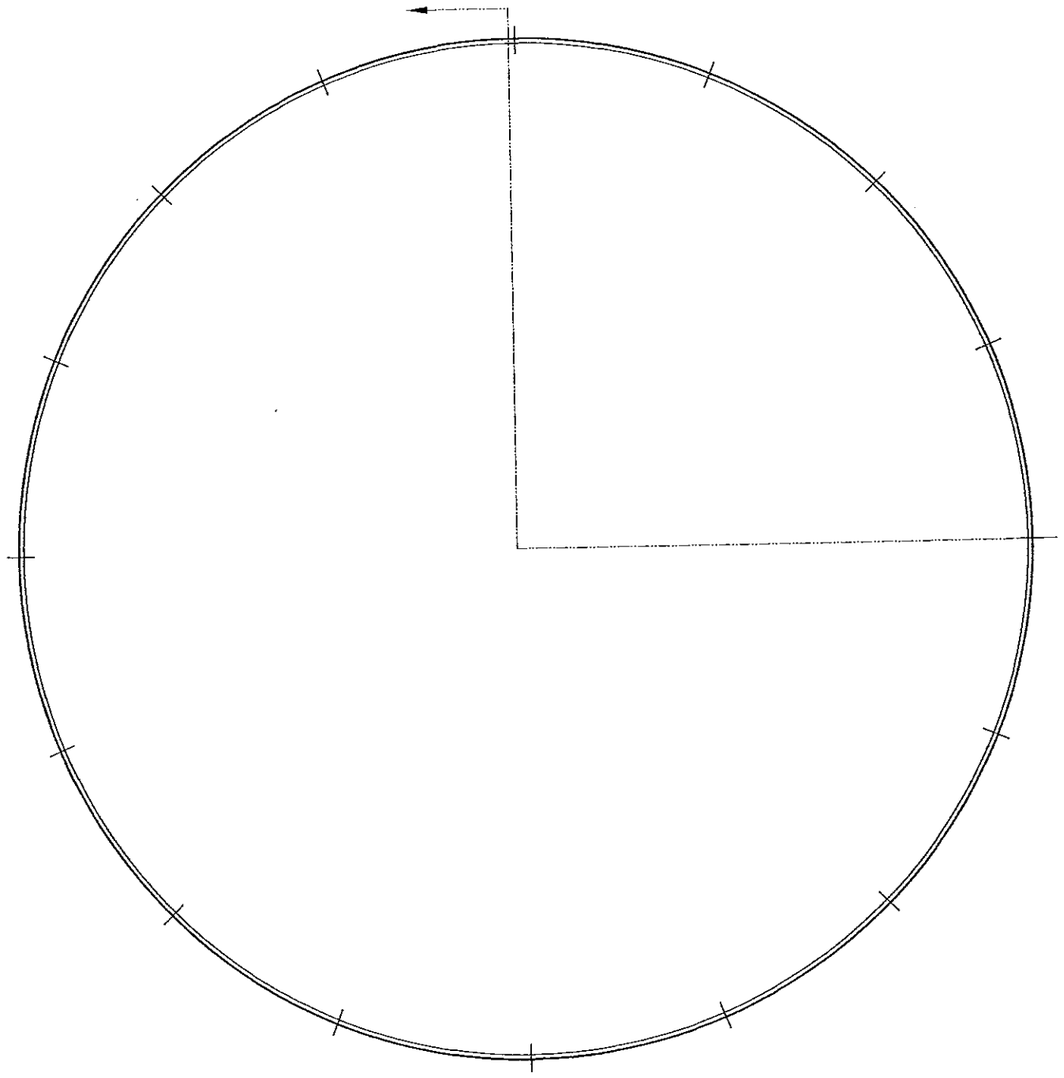
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

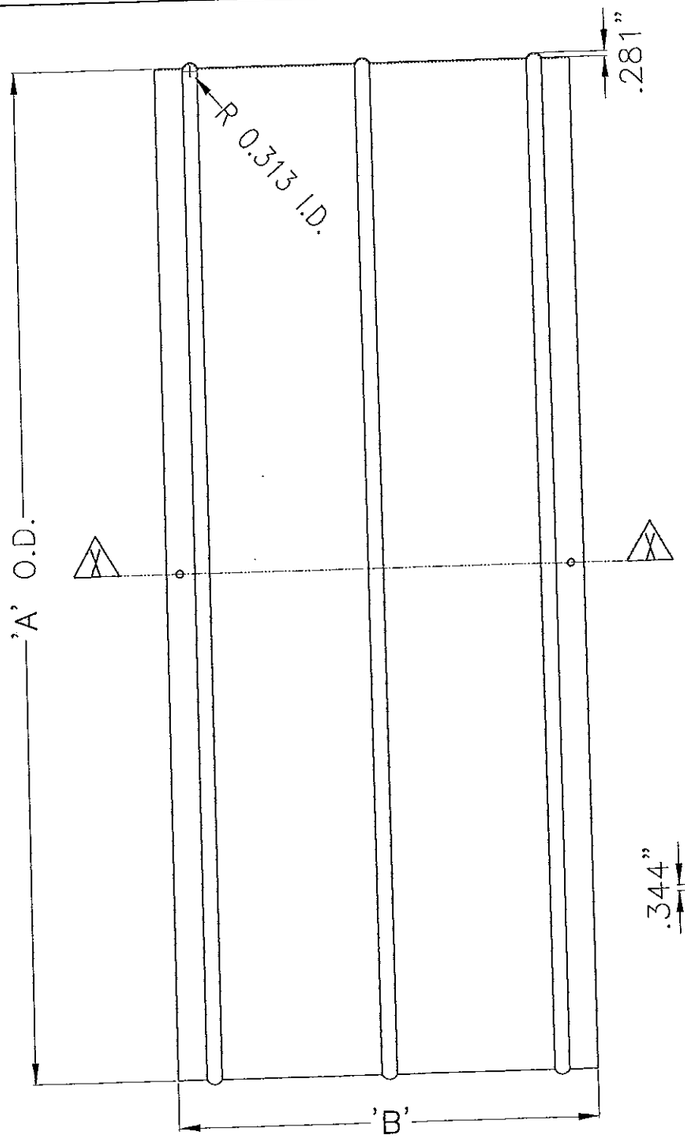
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No
SHEET 5 OF 22

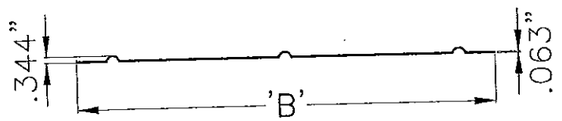


TOP VIEW



SIDE VIEW

UNIT SIZE	'A'	'B'
06-10	18 5/16"	10 1/8"
12-15	20 7/16"	11 7/8"
16-20	25 1/2"	11 7/8"
24	29 7/8"	15 5/8"
30	38 1/8"	15 5/8"



SECTION X-X

(2) ROOF BAND

SCALE: 3/16" = 1"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St. Ste. 303, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

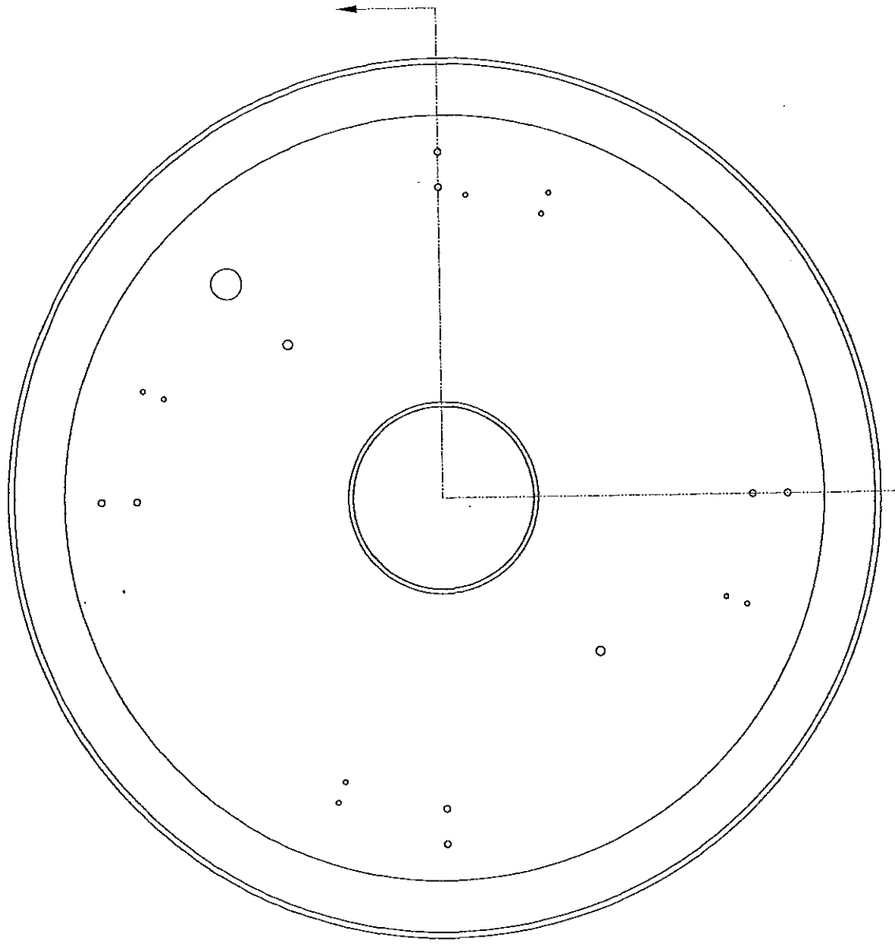
DRAWN BY: A.G

03/19/13 DATE

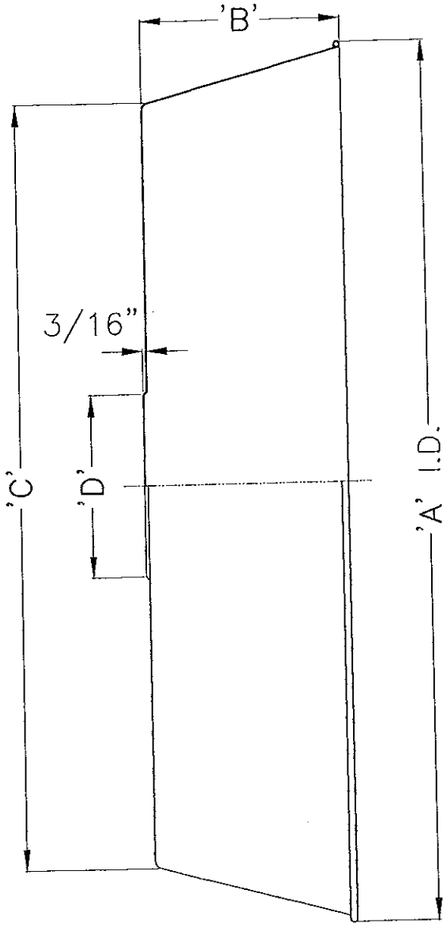
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

13-027 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		



TOP VIEW



SIDE VIEW

UNIT SIZE	'A'	'B'	'C'	'D'
06-10	23 1/2"	4 1/4"	21 1/1"	8 1/8"
12-15	28 5/8"	7 1/16"	24 5/8"	8 1/8"
16-20	35 1/2"	7 5/16"	31 3/16"	8 1/8"
24	41 3/4"	8 7/8"	37 5/8"	9 1/16"
30	49 3/4"	11 7/16"	43 5/16"	10 1/16"

(3) ROOF SKIRT

SCALE: 1/8" = 1"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SITE SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St. Ste. 305, VIRGINIA GARDENS, Fl. 33166
Phone : (305)871-1550 . Fax : (305)871-1551
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 , Fax: (904)387-3449

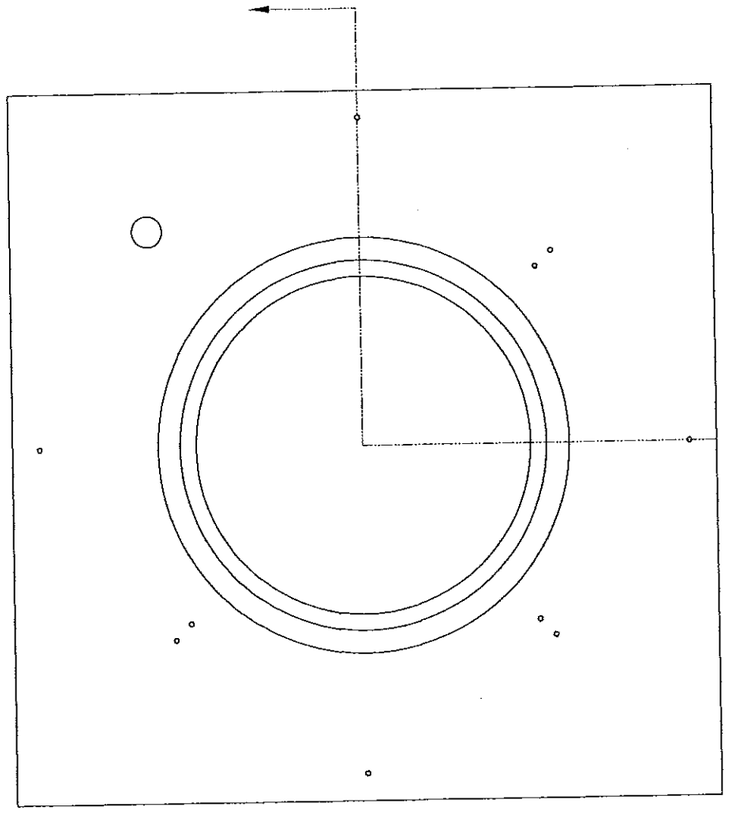
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

DRAWN BY: AG

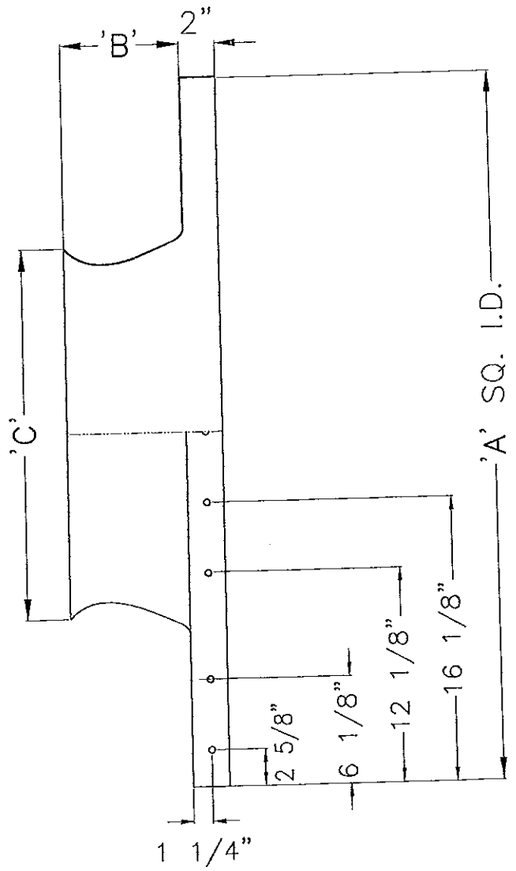
03/19/13 DATE

13-027 DRAWING No

SHEET 7 OF 22



TOP VIEW



SIDE VIEW

UNIT SIZE	'A'	'B'	'C'
06	18"	1 5/8"	4 19/32"
08	18"	1 5/8"	5 21/32"
10	18"	1 5/8"	6 29/32"
12	23"	2 7/16"	8 9/16"
13	23"	2 7/16"	9 7/16"
15	23"	2 7/16"	10 9/16"
16	30"	3 1/8"	11 1/2"
18	30"	3 1/8"	12 3/4"
20	30"	3 1/8"	14"
24	34"	5 3/4"	17 1/8"
30	40"	7 1/4"	20 15/16"

(4) INLET BASE

CALE: 1/8" = 1"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13.0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEE ESIGNATURE DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

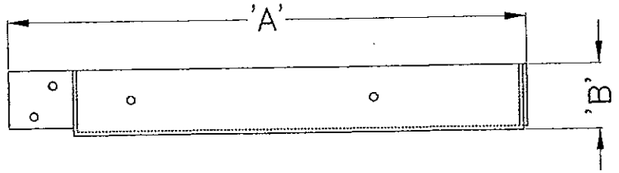
DRAWN BY: A.G

AMERICAN AVOCADO Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax (904)387-3449

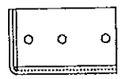
03/19/13 DATE

13-027 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		



SIDE VIEW

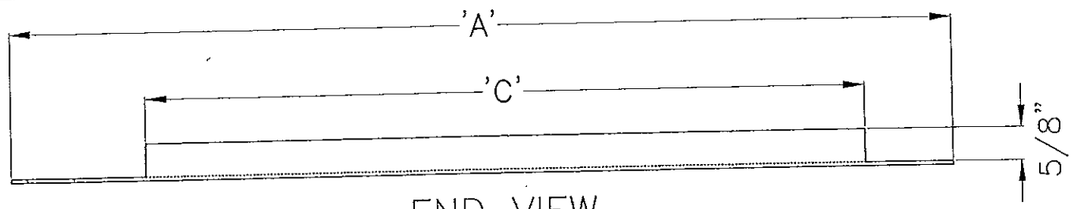


TOP VIEW

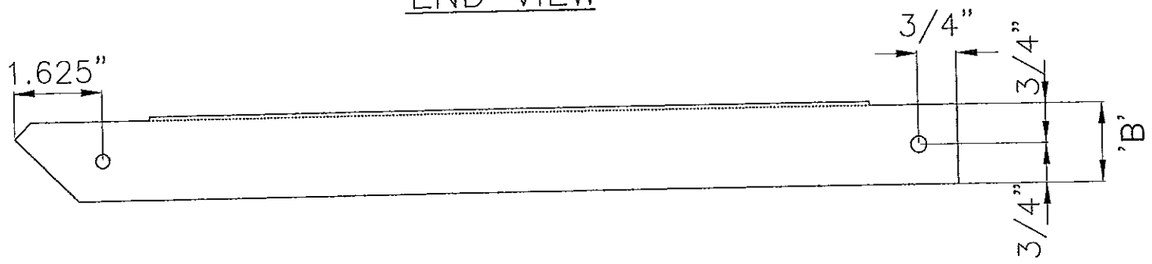
(5) SUPPORT BRACKETS

SCALE: 3/16" = 1"

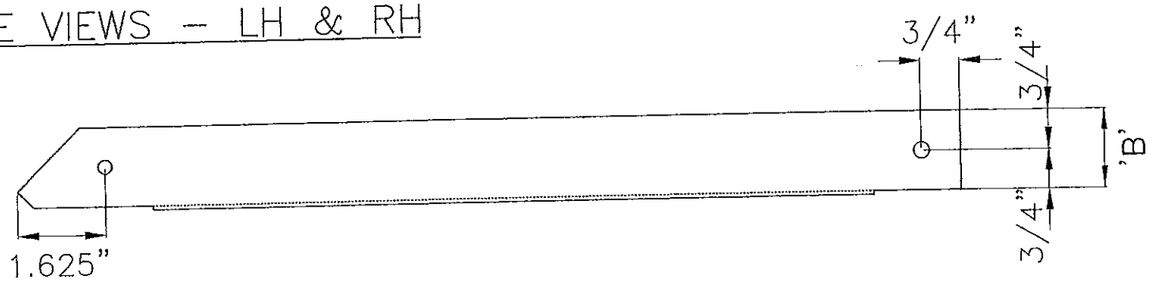
UNIT SIZE	'A'	'B'
06-10	8 3/8"	2 1/8"
12-15	10 13/16"	2 3/8"
16-20	12 3/16"	3 1/4"
24	17"	2 1/8"
30	19 3/4"	2 1/8"



END VIEW



SIDE VIEWS - LH & RH



(6) SUPPORT BRACKET GUSSET

SCALE: 3/8" = 1"

UNIT SIZE	'A'	'B'	'C'
06-10	8 7/16"	4 3/8"	1 1/8"
12-20	10 1/2"	6 1/2"	1 1/8"
24-30	18"	13 11/16"	1 1/2"

~~PRODUCT REVISED~~
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

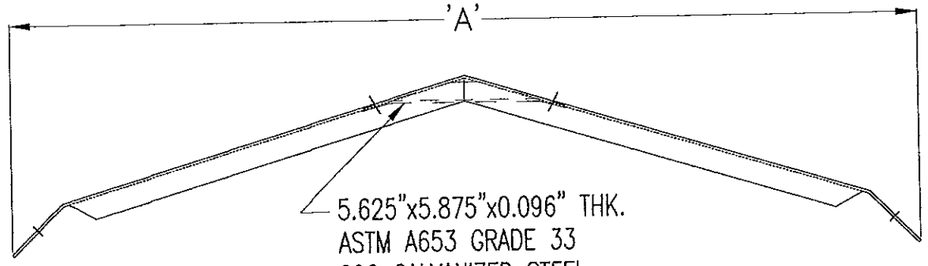
DRAWN BY: A.G

03/19/13 DATE

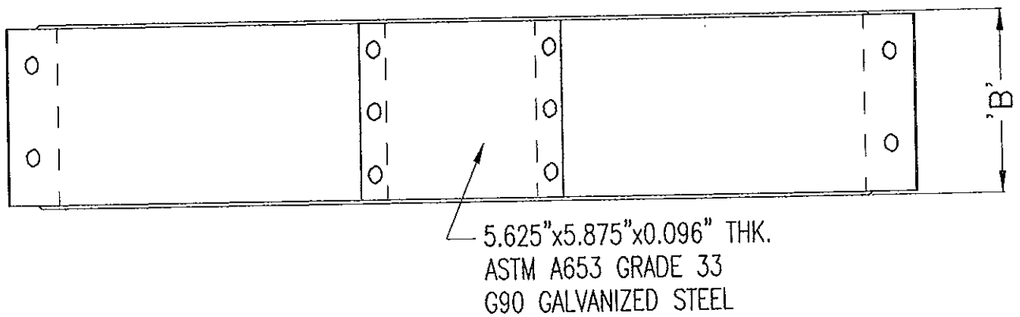
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

13-027 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		



TOP VIEW



FRONT VIEW

UNIT SIZE	'A'	'B'
06-10	14 1/8"	1 7/8"
12-15	18 1/8"	1 7/8"
16-20	23"	2 1/8"
24	25 7/8"	5 3/16"
30	30 1/8"	6 3/16"

(7) GUARD BRACKET

SCALE: 3/16" = 1"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By _____
Miami Dade Product Control
MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

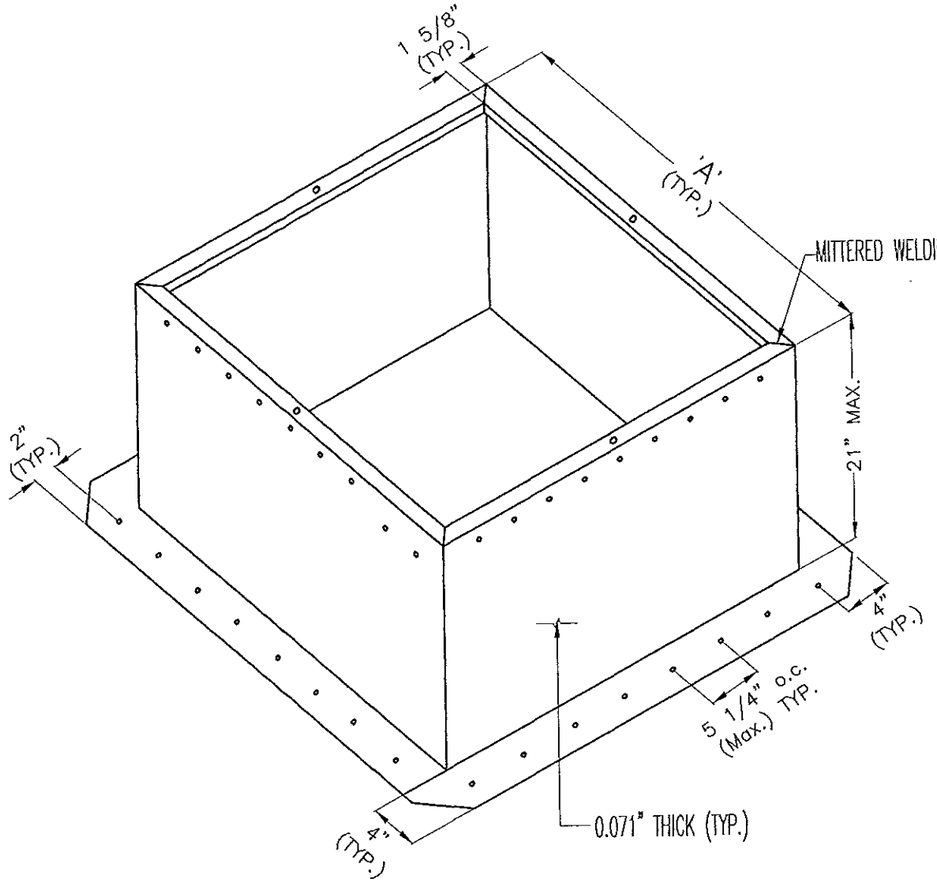
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

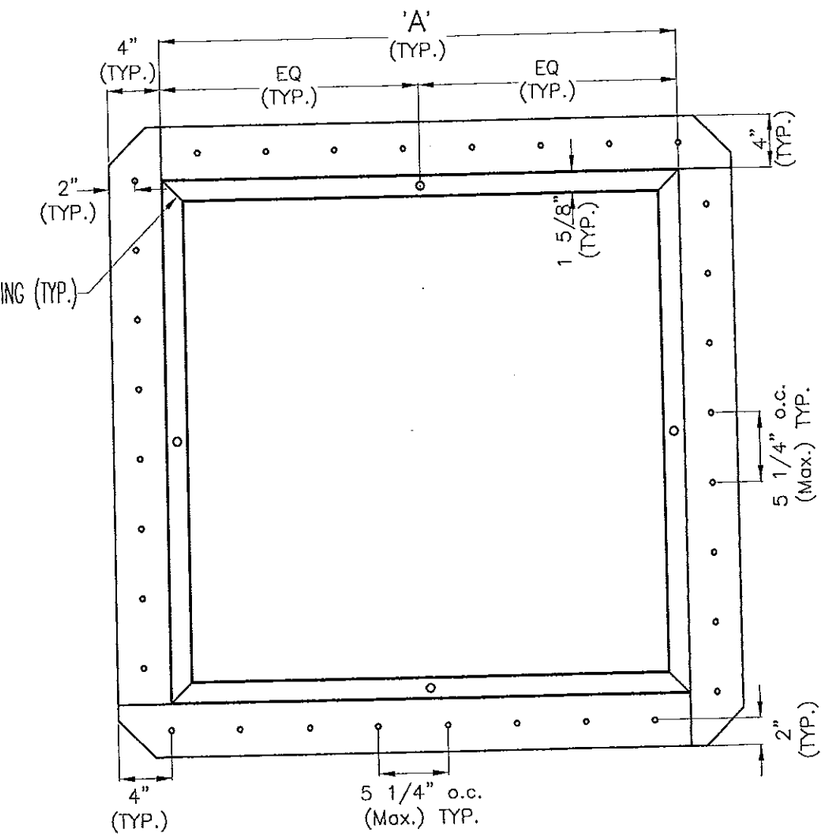
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

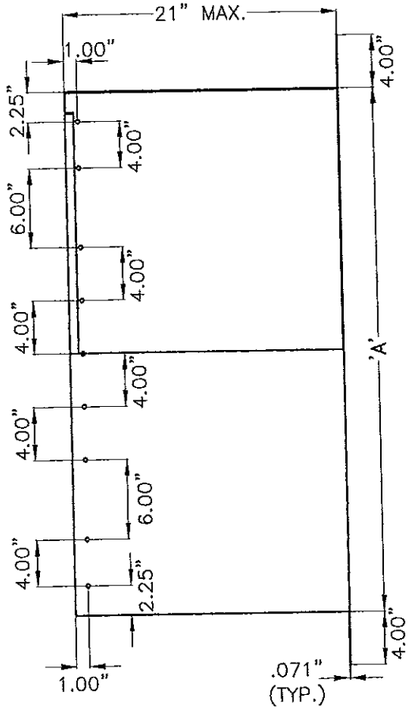
DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No
SHEET 10 OF 22



ISOMETRIC



TOP VIEW



SIDE VIEW

UNITS	'A' SQ.
06-10	17 1/2"
12-15	22 1/2"
16-20	29 1/2"
24	33 1/2"
30	39 1/2"

(10) ROOF CURB

SCALE: 3/32" = 1"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.07
Expiration Date 04/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

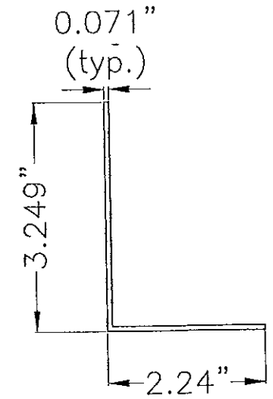
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

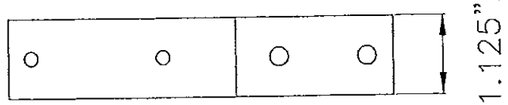
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No
SHEET 11 OF 22



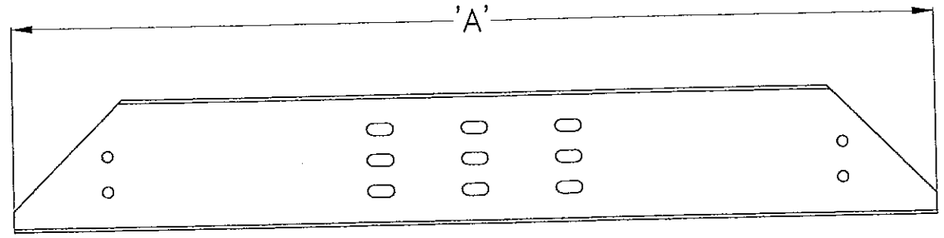
END VIEW



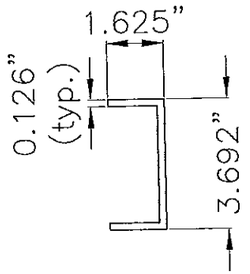
LAYOUT VIEW

(11) ROOF BRACKET

SCALE: 1/2" = 1"



LAYOUT VIEW



END VIEW

(12) SUPPORT RAILS

SCALE: 1/4" = 1"

UNIT SIZE	'A'
06-10	10 1/2"
12-15	14 3/8"
16-20	17 1/2"
24	21 3/8"
30	26 3/8"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St. Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

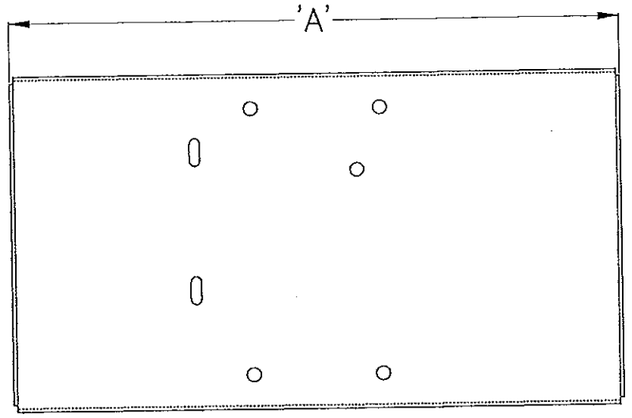
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

CR_A TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

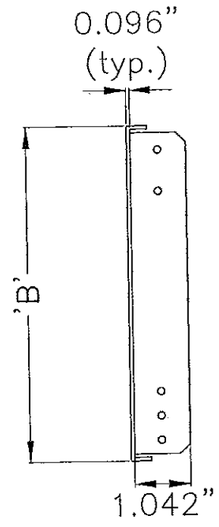
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No



LAYOUT VIEW

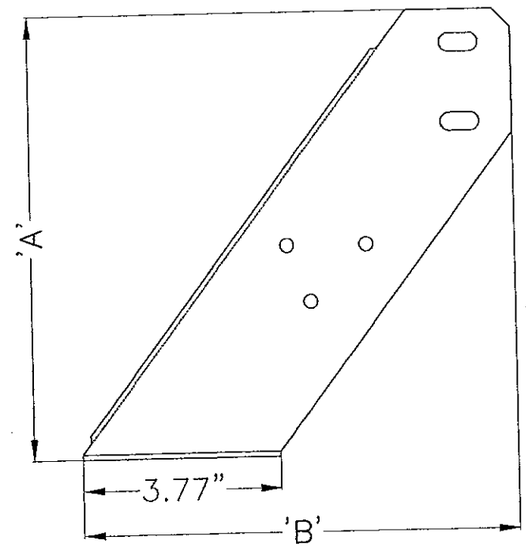


END VIEW

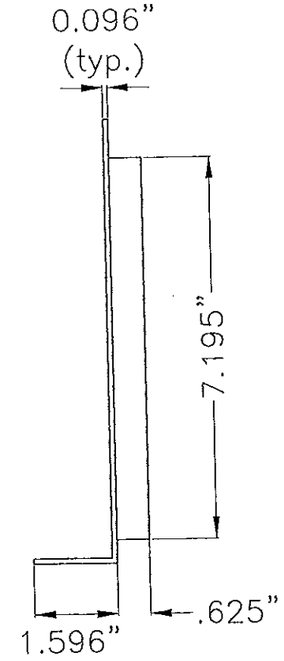
(13) MOTOR/BEARING PLATES BELT DRIVE UNIT

SCALE: 3/16" = 1"

UNIT SIZE	'A'	'B'
06-10	8 1/4"	8"
12-15	11 7/16"	9 9/16"
16-20	14 9/16"	10 9/16"
24	18 3/16"	12 1/16"
30	23 3/16"	12 1/16"



LAYOUT VIEW



END VIEW

(14) SUPPORT GUSSET

SCALE: 3/8" = 1"

UNIT SIZE	'A'	'B'
06-20	3 15/16"	3 7/8"
24-30	8 3/8"	8 5/16"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44107
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
PE SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St. Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

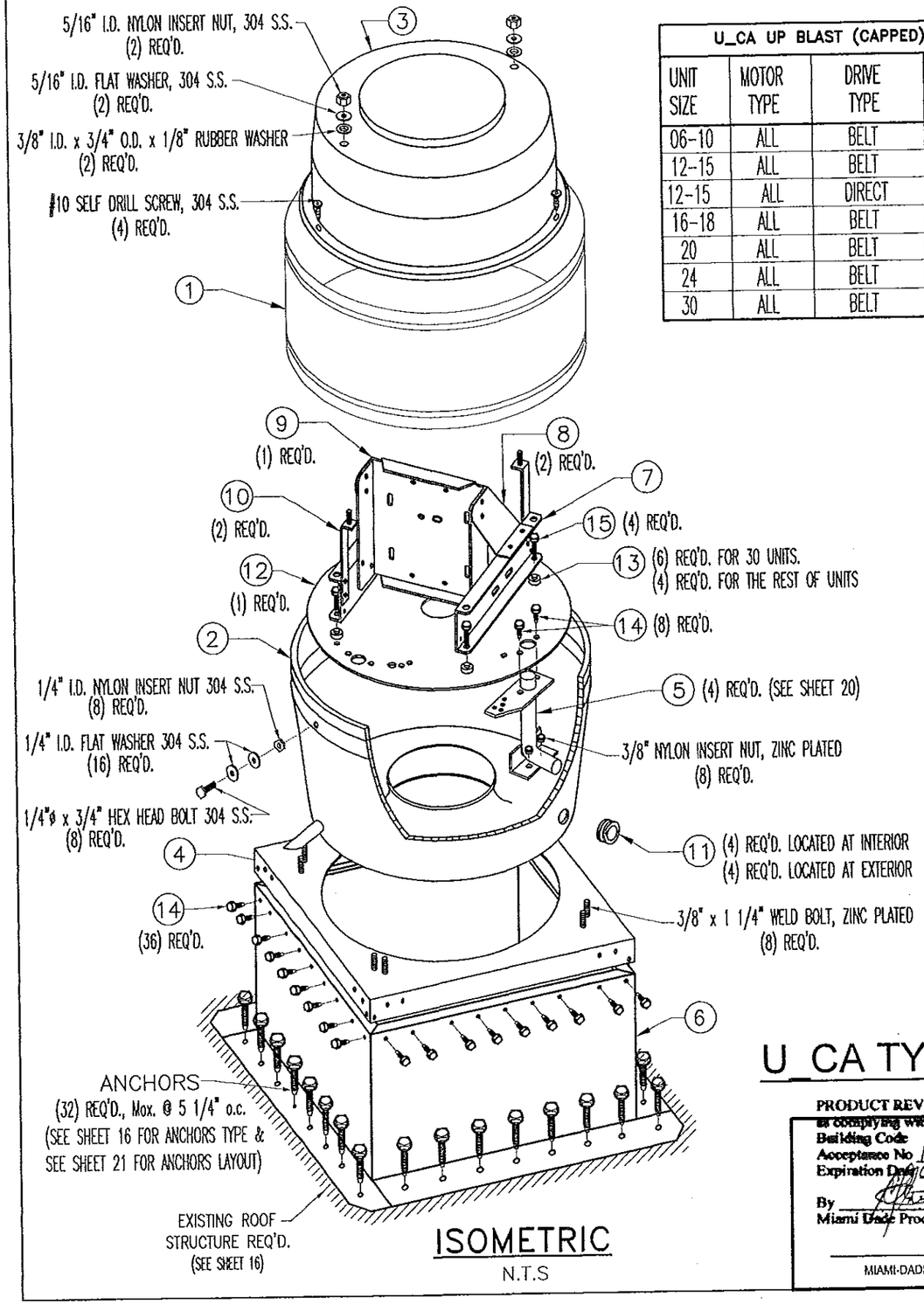
CR_A TYPE ROOF MOUNTED CAPPED
POWER VENTILATOR HURRICANE RATED

AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

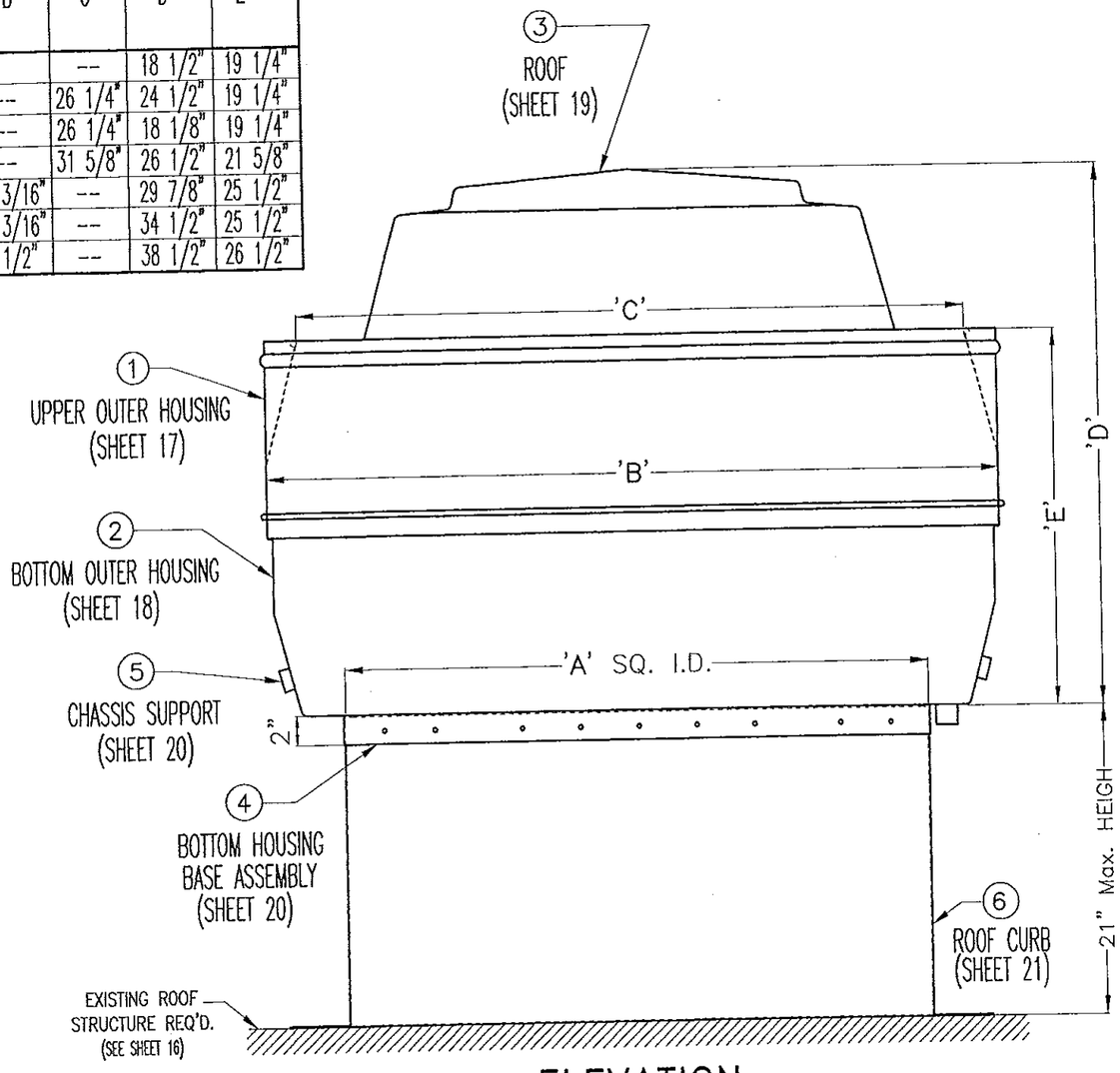
DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No
SHEET 13 OF 22

U_CA UP BLAST (CAPPED) VENTILADOR UNIT SIZE SCHEDULE #1							
UNIT SIZE	MOTOR TYPE	DRIVE TYPE	'A'	'B'	'C'	'D'	'E'
06-10	ALL	BELT	18"	23"	--	18 1/2"	19 1/4"
12-15	ALL	BELT	26"	--	26 1/4"	24 1/2"	19 1/4"
12-15	ALL	DIRECT	26"	--	26 1/4"	18 1/8"	19 1/4"
16-18	ALL	BELT	30"	--	31 5/8"	26 1/2"	21 5/8"
20	ALL	BELT	34"	43 3/16"	--	29 7/8"	25 1/2"
24	ALL	BELT	34"	43 3/16"	--	34 1/2"	25 1/2"
30	ALL	BELT	40"	50 1/2"	--	38 1/2"	26 1/2"



ISOMETRIC

N.T.S



ELEVATION

N.T.S

U_CA TYPE VENTILATOR

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

PRODUCT REVISED
In complying with the Florida Building Code
Acceptance No 13-1107.02
Expiration Date 04/22/2015
By _____
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEE SEAL/SIGNATURE ABOVE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St. Ste. 305 VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

U_CA TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

DRAWN BY: A.G

03/19/13 DATE

AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

13-027 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

BILL OF MATERIALS

ITEM	DESCRIPTION	MATERIAL
(1)	UPPER OUTER HOUSING	0.063" THK. 5052-H32 ALUMINUM
(2)	BOTTOM OUTER HOUSING	0.080" THK. 3003-O ALUMINUM W/ Fu= 16 ksi. & Fy= 6 ksi.
(3)	ROOF	0.063" THK. 3003-O ALUMINUM W/ Fu= 16 ksi. & Fy= 6 ksi.
(4)	BOTTOM HOUSING BASE ASSEMBLY	0.071" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL OR 3003-H14 ALUMINUM
(5)	CHASSIS SUPPORT	0.063" THK. WALL PAINTED STEEL TUBING
(6)	ROOF CURB	0.071" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
(7)	SUPPORT RAIL	0.126" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
(8)	SUPPORT GUSSET	0.096" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
(9)	MOTOR/BEARING PLATES	0.096" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
(10)	ROOF BRACKETS	0.096" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
(11)	GROMMET	2 3/8" O.D. x 1 1/2" I.D. RUBBER
(12)	COMP DISC SUPPORT	0.125" THK. ASTM A653 GRADE 33 G90 GALVANIZED STEEL
(13)	VIBRATION ISOLATOR	RUBBER WITH SLEEVE
(14)	5/16" x 3/4" SELF TAPP SCREW	ZINC PLATED
(15)	5/16" x 1 3/4" SELF TAPP SCREW	ZINC PLATED

TOLERANCES UNLESS OTHERWISE NOTED	
0 TO 9-31/32"	- PLUS OR MINUS 1/16"
10" TO 23-31/32"	- PLUS OR MINUS 1/8"
24" TO 47-31/32"	- PLUS OR MINUS 3/16"
48" TO 96"	- PLUS OR MINUS 1/4"
GREATER THAN 96"	- PLUS OR MINUS 3/8"

PRODUCT REVISED
~~as complying with the Florida~~
Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami-Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

© 2013 TILTECO INC.

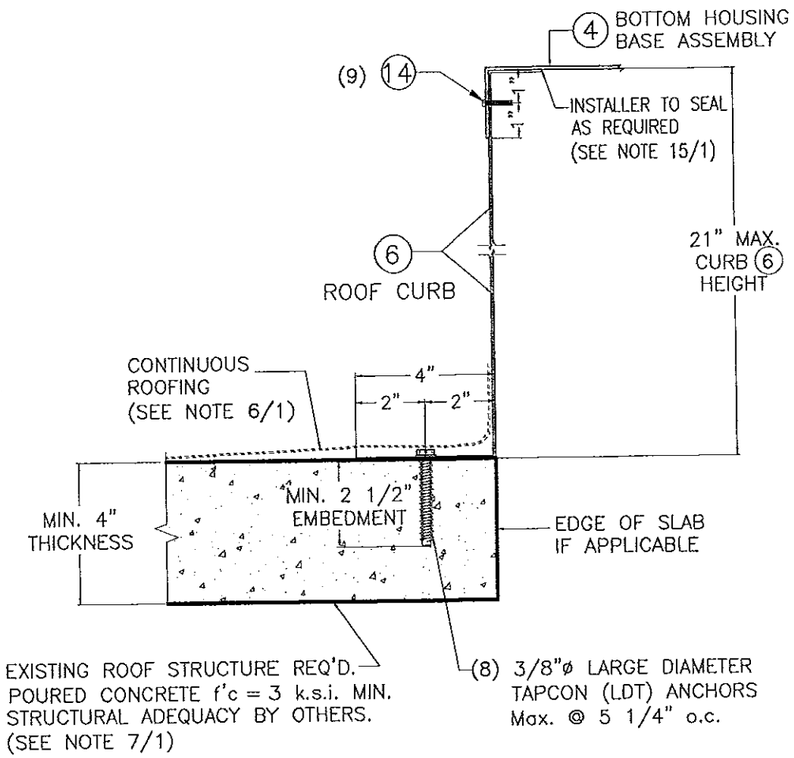
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

U_CA TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

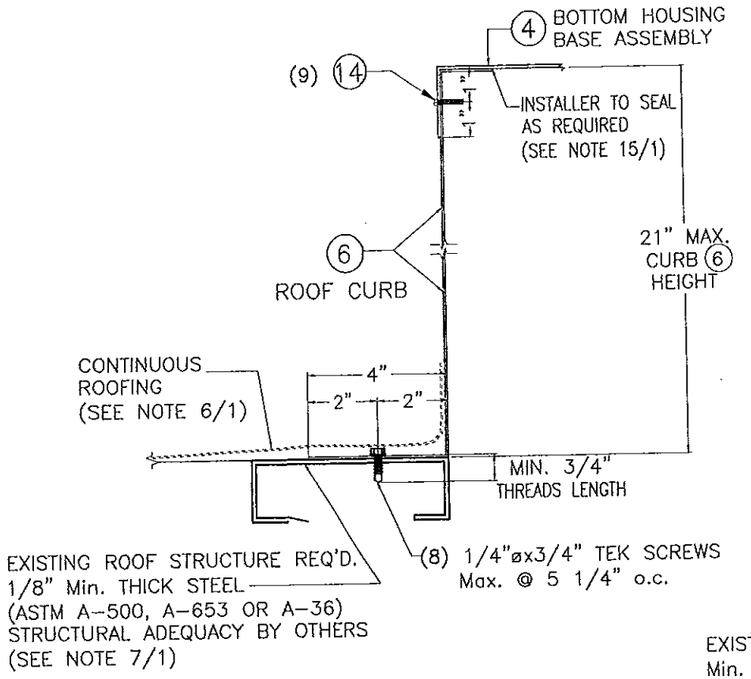
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

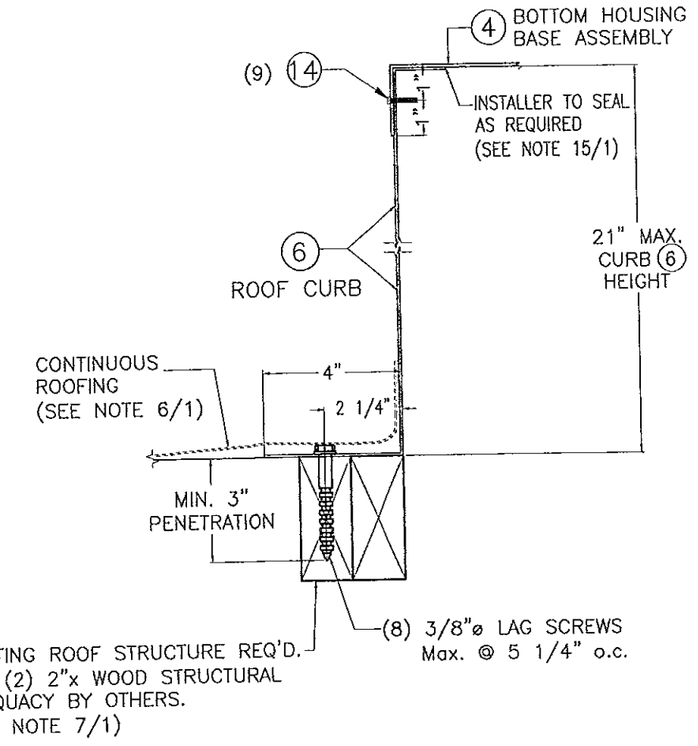
DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No
SHEET 15 OF 22



TO CONCRETE



TO STEEL



TO WOOD

INSTALLATION OF CURB TO BOTTOM HOUSING BASE ASSEMBLY & TO ROOF STRUCTURE

SCALE: 1/4" = 1"

(SEE SHEET 21 FOR FASTENERS LAYOUT)

PRODUCT REVISED
~~as complying with the Florida~~
Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St. Ste. 305 VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILUT Jr., P.E.
FLORIDA Lic. 44167

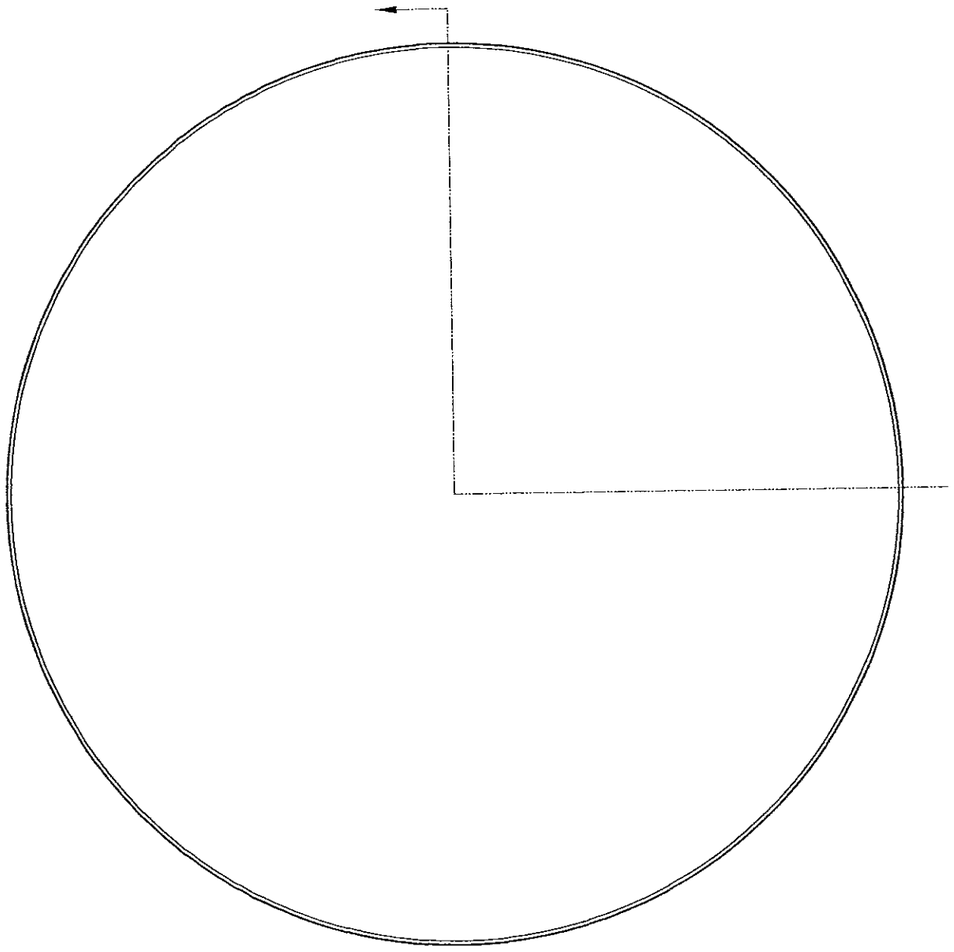
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

U_CA TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

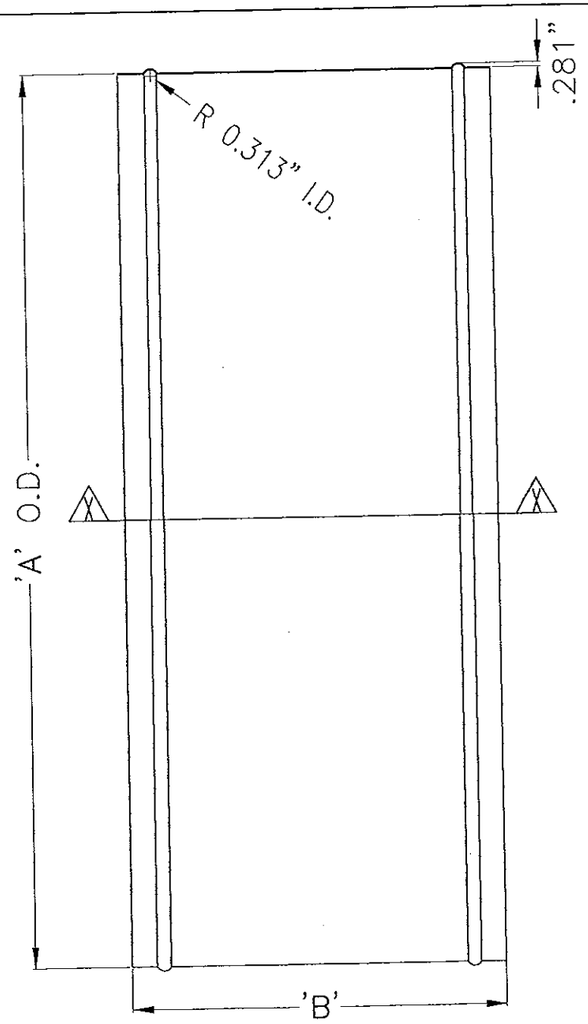
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

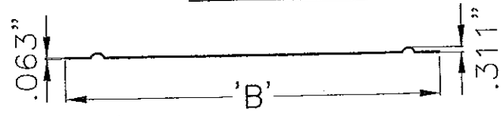
DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No



TOP VIEW



SIDE VIEW



SECTION X–X

UNIT SIZE	'A'	'B'
06–10	23"	15"
12–15	29 1/8"	12 7/8"
16–18	35 1/4"	11 1/5"
20–24	43 3/16"	13 1/4"
30	50 1/2"	14 3/8"

(1) UPPER OUTER HOUSING

SCALE: 1/8" = 1"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/24/2015
By Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1532 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

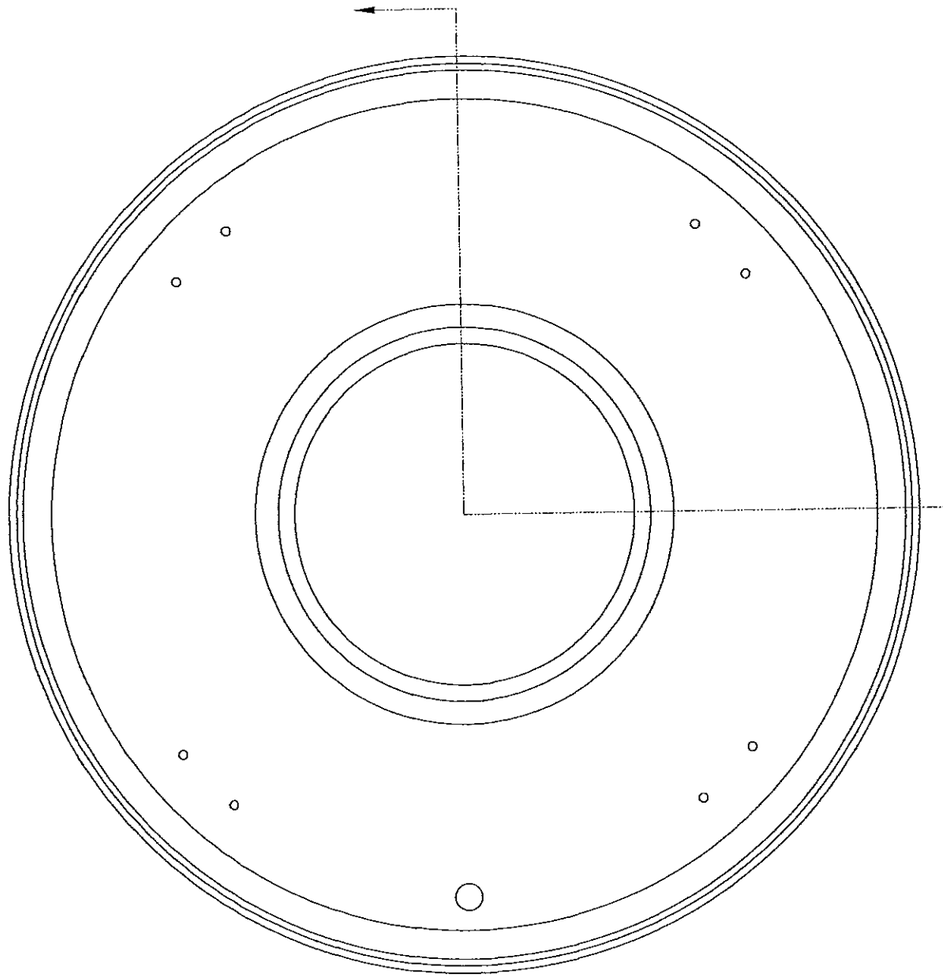
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

U_CA TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

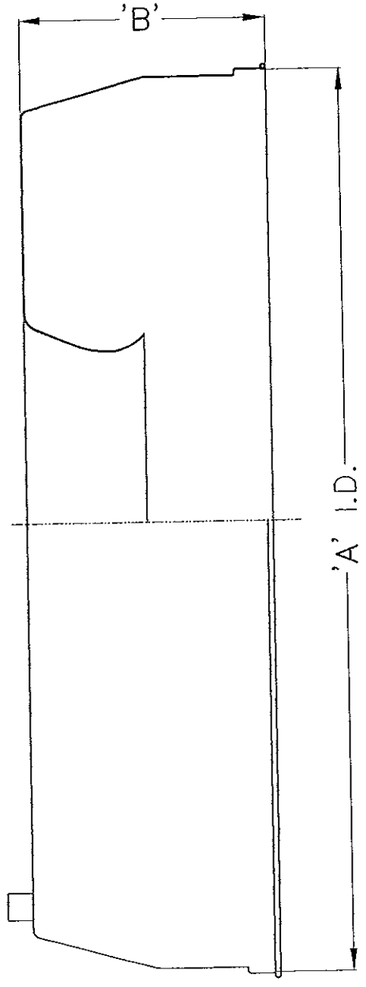
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No
SHEET 17 OF 22



TOP VIEW



SIDE VIEW

UNIT SIZE	'A'	'B'
06-10	23 3/4"	8"
12-15	29 1/16"	10 1/16"
16-18	35 1/8"	11 1/16"
20-24	43 1/8"	13 5/8"
30	51"	13 3/8"

(2) BOTTOM OUTER HOUSING

SCALE: 1/8" = 1"

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2016
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT SR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St. Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

U_CA TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

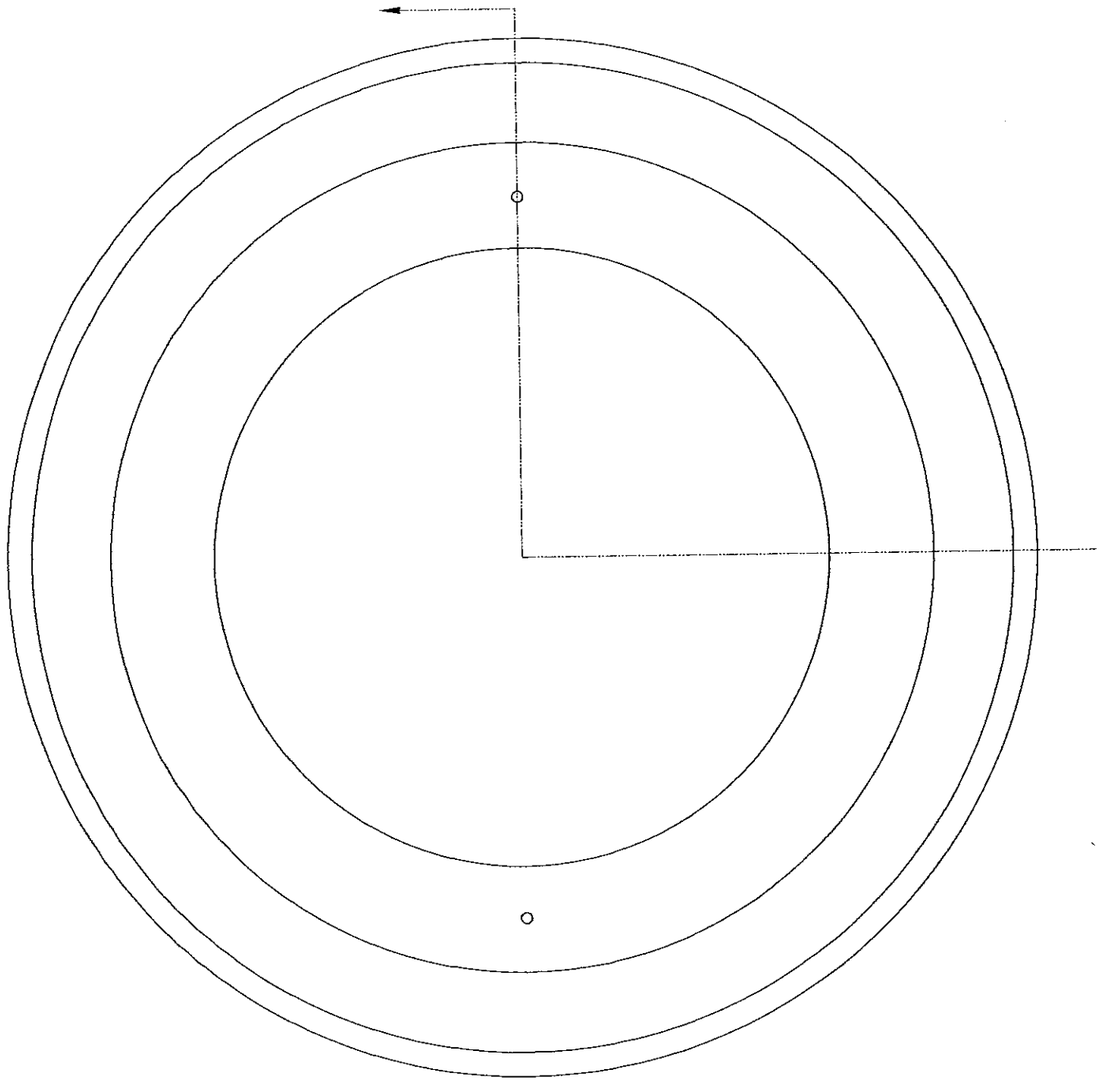
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

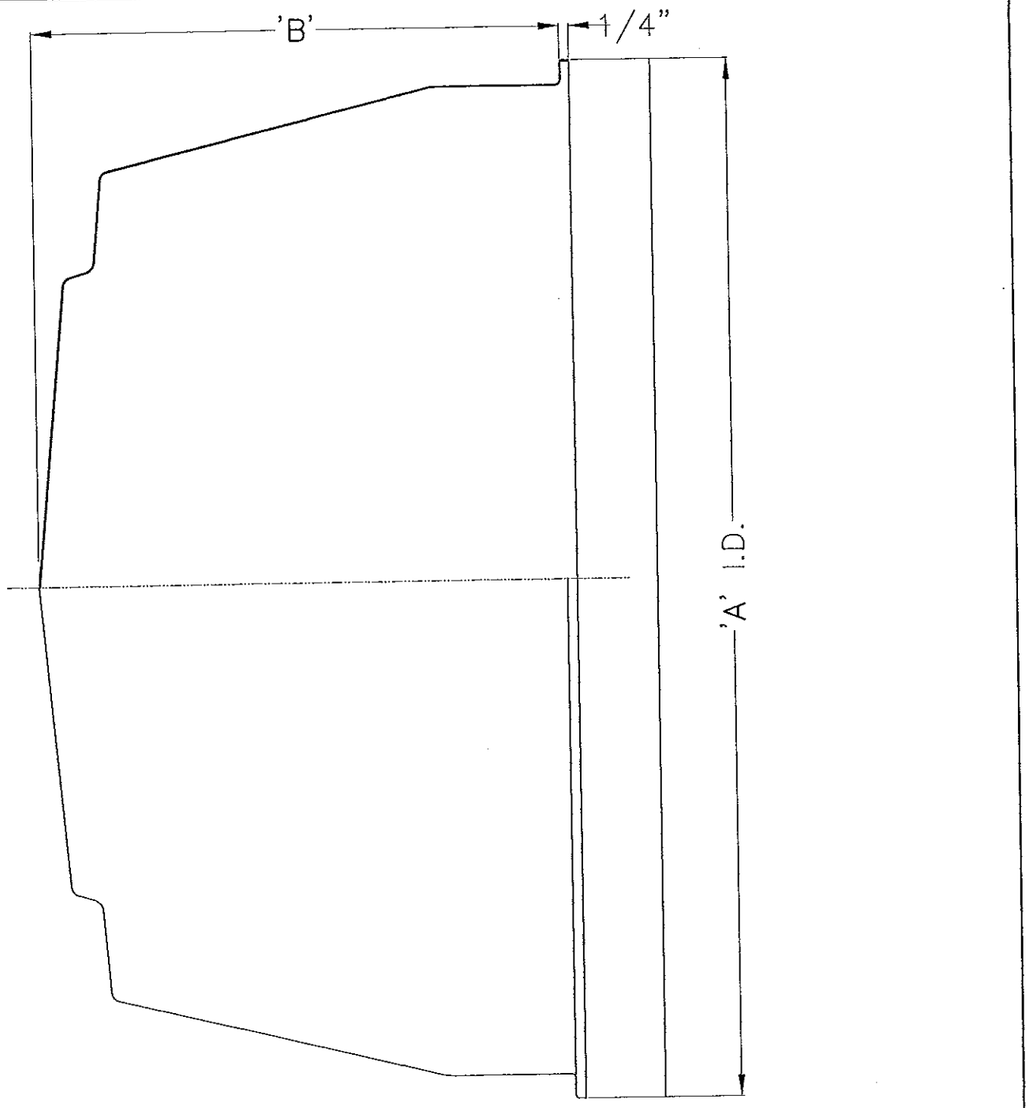
DRAWN BY: A.G

03/19/13 DATE

13-027 DRAWING No



TOP VIEW



SIDE VIEW

UNIT SIZE	'A'	'B'
06-10	18 1/2"	11 3/4"
12-15	21 25/32"	13 1/16"
16-20	26 23/32"	16 27/32"
20-24	30 27/32"	17 1/2"
30	39 1/8"	18 3/8"

(3) ROOF

SCALE: 3/16" = 1"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptence No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

REGISTERED SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
8355 N.W. 36th. St., Ste. 305, VIRGNIA GARDENS, FL 33166
Phone : (305)871-1539 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

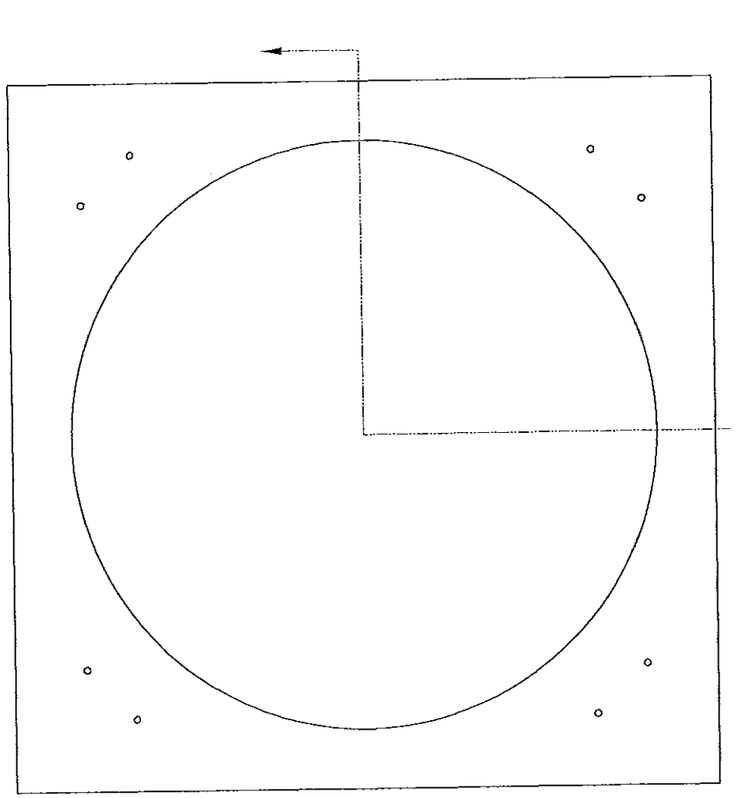
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

U_CA TYPE ROOF MOUNTED CAPPED
POWER VENTILATOR HURRICANE RATED

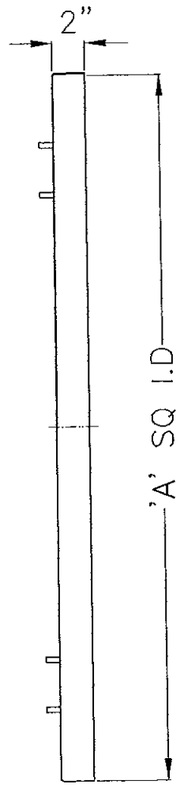
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No



TOP VIEW

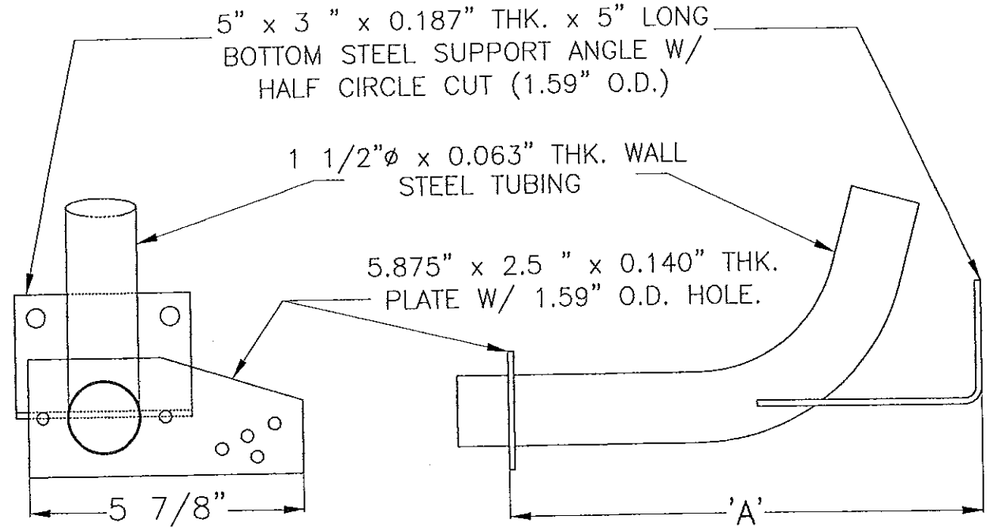


SIDE VIEW

(4) BOTTOM HOUSING BASE ASSEMBLY

SCALE: 1/8" = 1"

UNIT SIZE	'A'
06-10	18"
12-15	26"
16-18	30"
20-24	34"
30	40"



TOP VIEW

SIDE VIEW

(5) CHASSIS SUPPORT

SCALE: 3/16" = 1"

UNIT SIZE	'A'
6-10	6 5/8"
12-15	9"
16-18	10 1/4"
20	10 1/4"
24	14 7/8"
30	18 3/16"

PRODUCT REVISED
as complying with the Florida
~~Building Code~~
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

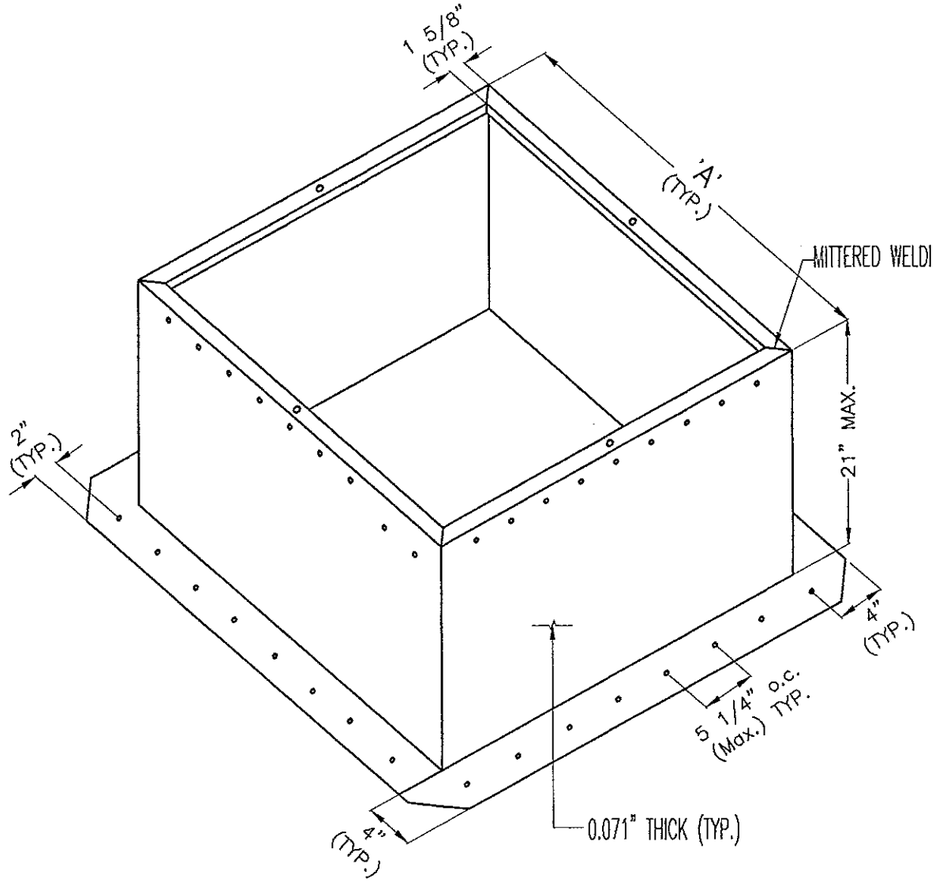
FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

U_CA TYPE ROOF MOUNTED CAPPED
POWER VENTILATOR HURRICANE RATED

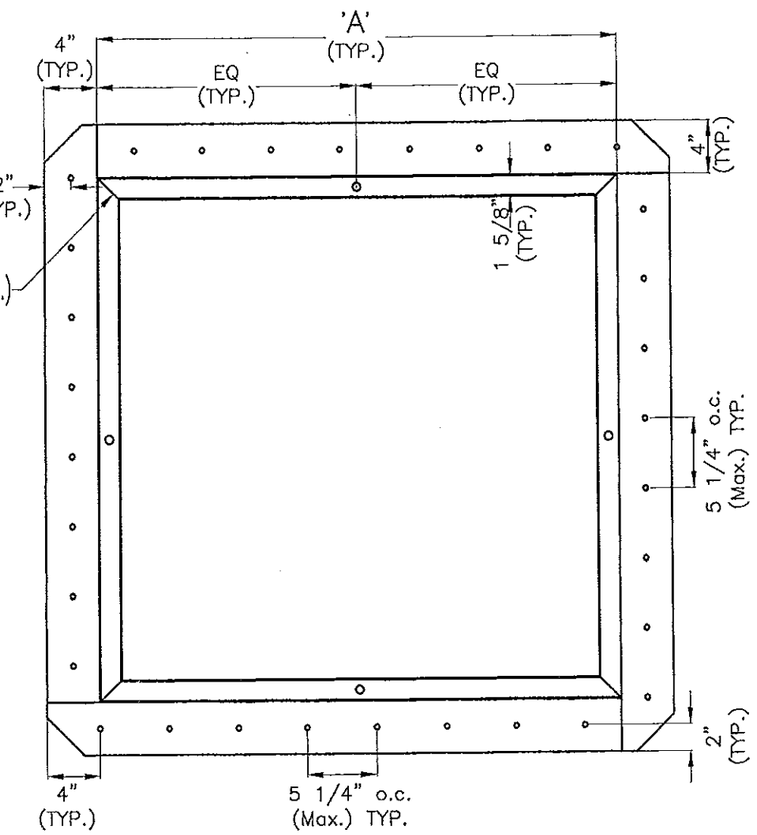
AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

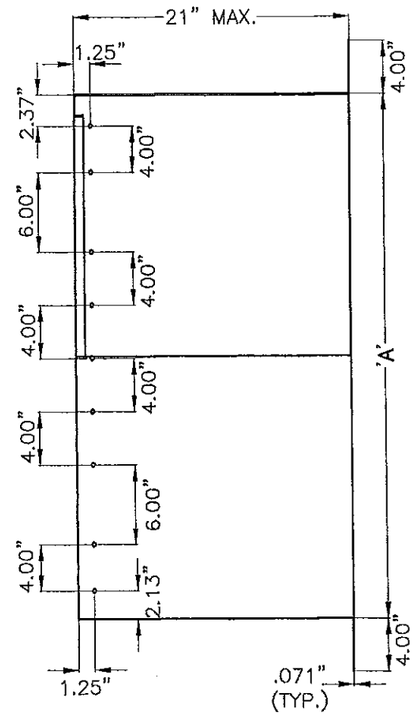
DRAWN BY: A.G
03/19/13 DATE
13-027 DRAWING No
SHEET 20 OF 22



ISOMETRIC



TOP VIEW



SIDE VIEW

UNITS	'A' SQ.
06-10	17 1/2"
12-15	25 1/2"
16-20	29 1/2"
24	33 1/2"
30	39 1/2"

(6) ROOF CURB

SCALE: 3/32" = 1"

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By _____
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER
P.E. SEAL/SIGNATURE/DATE
5/22/13

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

U_CA TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

DRAWN BY: A.G

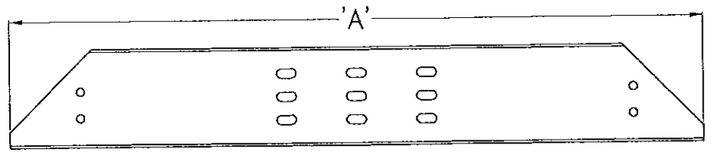
03/19/13 DATE

AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax (904)387-3449

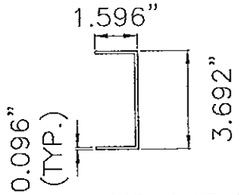
13-027 DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2	'A' SQ= 25 1/2"	05/22/13	4		

SHEET 21 OF 22



LAYOUT VIEW

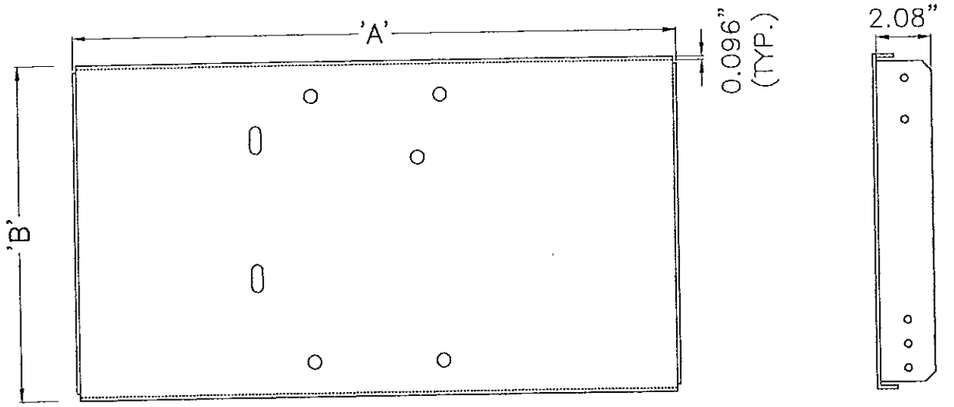


END VIEW

UNIT SIZE	'A'
06-10	10 1/2"
12-15	14 3/8"
16-20	17 1/2"
24	21 3/8"
30	26 3/8"

(7) SUPPORT RAILS

SCALE: 3/16" = 1"



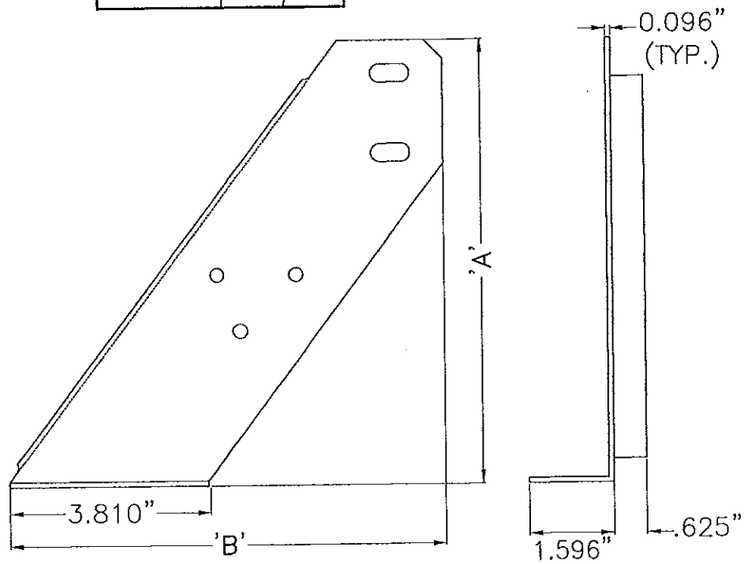
LAYOUT VIEW

SIDE VIEW

(9) MOTOR/BEARING PLATES

SCALE: 3/16" = 1"

UNIT SIZE	'A'	'B'
06-10	8 1/4"	8"
12-15	11 7/16"	9 9/16"
16-20	14 9/16"	10 9/16"
24	18 3/16"	12 1/16"
30	23 3/16"	12 1/16"



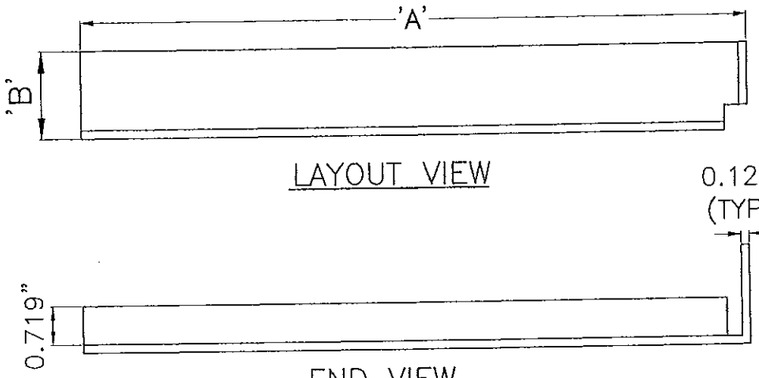
LAYOUT VIEW

END VIEW

(8) SUPPORT GUSSET

SCALE: 3/8" = 1"

UNIT SIZE	'A'	'B'
06-20	3 15/16"	3 7/8"
24-30	8 3/8"	8 5/16"



LAYOUT VIEW

END VIEW

(10) ROOF BRACKETS

SCALE: 3/8" = 1"

UNIT SIZE	'A'	'B'
06-10	5 3/16"	1 5/16"
12-18	7 5/8"	1 3/8"
20-30	12 5/8"	1 5/8"

FLORIDA BUILDING CODE (High Velocity Hurricane Zone)

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 13-0403.02
Expiration Date 04/22/2015
By
Miami Dade Product Control

MIAMI-DADE COUNTY

WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER

P.E. SEAL/SIGNATURE/DATE

© 2013 TILTECO INC.

TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL. 33166
Phone : (305)871-1530 . Fax : (305)871-1531
e-mail: tilteco@aol.com
EB-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

U_CA TYPE ROOF MOUNTED CAPPED POWER VENTILATOR HURRICANE RATED

AMERICAN Coolair
3604 MAYFLOWER STREET
JACKSONVILLE, FLORIDA 32205
Phone: (904)381-7527 . Fax: (904)387-3449

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 09-147	03/19/13	3		
2			4		

DRAWN BY: A.G

03/19/13 DATE

13-027 DRAWING No