



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

Loren Cook Company
2015 E. Dale Street
Springfield, MO 65803

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: Models "ACRU, VCR, ACSC and ACW" Aluminum Rooftop and Wall Mounted Fans – L.M.I.

APPROVAL DOCUMENT: Drawing No. **SD080717-12**, titled "ACRU/VCR/ACSC/ACW Power Ventilator Hurricane Rated", sheet 1 through 12 of 12, dated 05/05/14, with revision G dated 11/06/2023, prepared by manufacturer, signed and sealed by Jerry T. Miller, 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, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

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 No. 17-0925.02** and consists of this page 1 and evidence page E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



NOA No. 23-0815.03
Expiration Date: November 13, 2028
Approval Date: November 22, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 08-0424.03)
2. Drawing No. **SD080717-12**, titled "ACRU/VCR/ACSC/ACW Power Ventilator Hurricane Rated", sheets 1 through 12 of 12, dated 05/05/14, with revision G, prepared by manufacturer, signed and sealed by Bradley F. Skidmore, P.E.
(Submitted under NOA No. 17-0925.02)

B. TESTS

1. Test report on: 1) Large Missile Impact Test per FBC, TAS 201-94 along with marked up drawings and installation diagram of Models ACRU 70 and ACRU 300 Wall Mount Ventilators, prepared by Intertek, Test Report No. **H1597.01-801-18R1**, dated 08/21/17 and revision dated 12/06/17, signed and sealed by Tyler Westerling, P.E.
(Submitted under NOA No. 17-0925.02)
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 Models ACW 70 and ACW 245 Wall Mount Ventilators, prepared by Intertek, Test Report No. **H1597.02-801-18R1**, dated 08/21/17 and revision dated 12/06/17, signed and sealed by Tyler Westerling, P.E.
(Submitted under NOA No. 17-0925.02)
3. 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 Model ACRU/VCR 300 Rooftop Ventilator with 48" High Roof Curb, prepared by Intertek-ATI, Test Report No. **D7025.01-801-18**, dated 08/11/14, signed and sealed by Tyler Westerling, P.E.
(Submitted under NOA No. 16-1108.05)
4. 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 Models ACRU 70 and ACRU 300 Rooftop Ventilators, prepared by Intertek-ATI, Test Report No. **G1591.01-801-18**, dated 09/22/16, signed and sealed by Shawn G. Collins, P.E.
(Submitted under NOA No. 14-1218.04)



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0815.03

Expiration Date: November 13, 2028
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

B. TESTS (CONTINUED)

- 5.** 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
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Series/Models 300
ACRU/VCR, metal roof vent, prepared by Architectural Testing, Inc., Test Report No.
79142.01-801-18, dated 03/03/08, signed and sealed by Jeffrey T. Kaminski, P.E.
(Submitted under NOA No. 08-0424.03)

C. CALCULATIONS

- 1.** Wind loads and anchor capacity calculations dated 09/12/17, prepared by
manufacturer, signed and sealed by Bradley F. Skidmore, P.E.
(Submitted under NOA No. 17-0925.02)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

- 1.** None.

F. STATEMENTS

- 1.** Statement letter of conformance, complying with **FBC 6th Edition (2017)** dated 09/20/17,
issued by manufacturer, signed and sealed by Bradley F. Skidmore, P.E.
(Submitted under NOA No. 17-0925.02)
- 2.** Statement letter of no financial interest dated 09/20/17, issued by manufacturer, signed
and sealed by Bradley F. Skidmore, P.E.
(Submitted under NOA No. 17-0925.02)

G. OTHERS

- 1.** Notice of Acceptance No. **16-1108.05**, issued to Loren Cook Company for their
Series ACRU, VCR, ACSC and ACW Aluminum Rooftop and Wall Mounted Fans,
approved on 12/15/16 and expiring on 11/13/18.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0815.03

Expiration Date: November 13, 2028
Approval Date: November 22, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 21-0405.05 AND NEW

A. DRAWINGS

1. Drawing No. **SD080717-12**, titled “ACRU/VCR/ACSC/ACW Power Ventilator Hurricane Rated”, sheet 1 through 12 of 12, dated 05/05/14, with revision G dated 11/06/2023, prepared by manufacturer, signed and sealed by Jerry T. Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

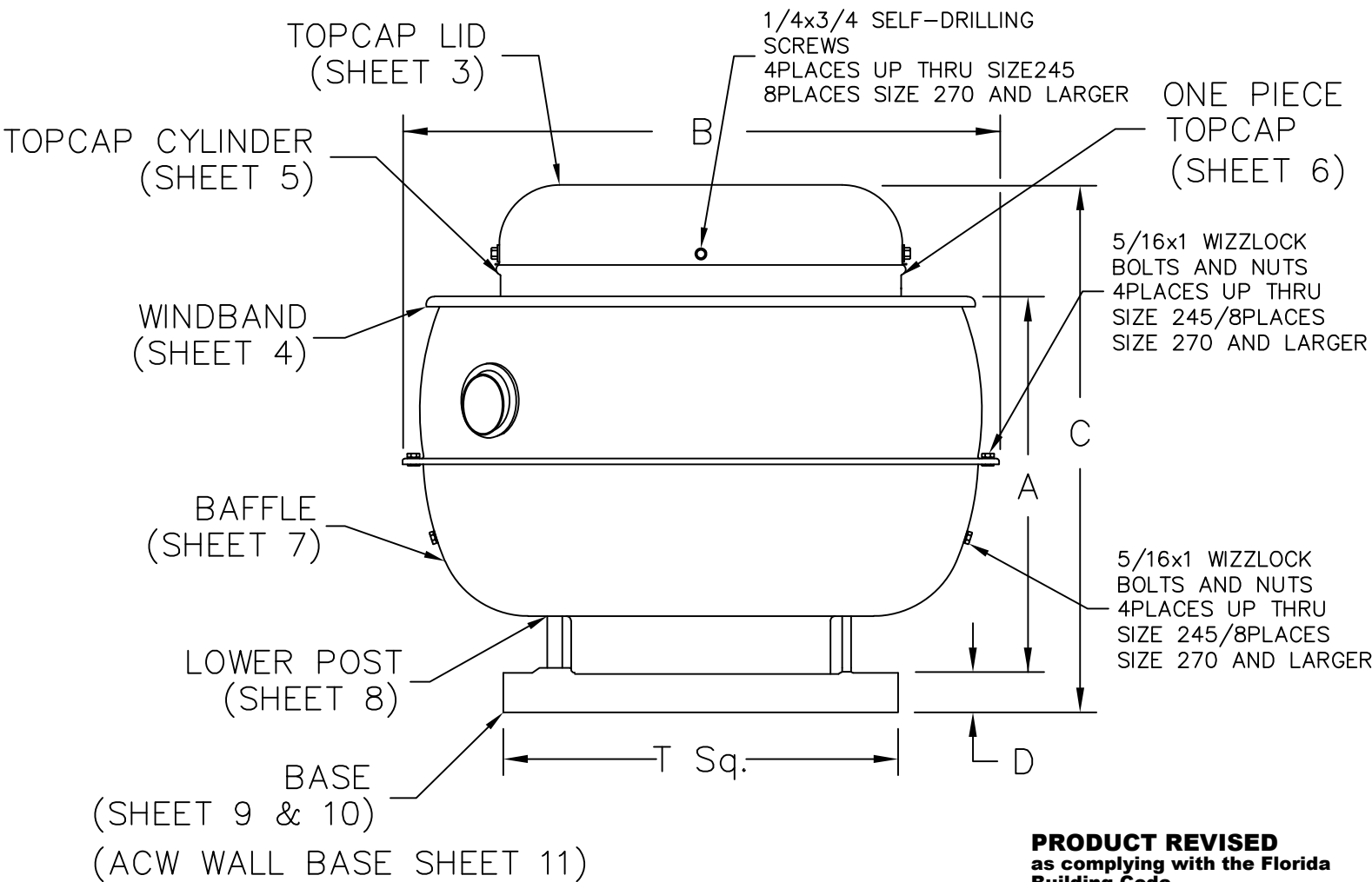
1. Statement letter of conformance with the 8th edition (2023) of the FBC, issued by Miller Engineering, dated 07/28/2023, signed and sealed by Jerry T. Miller, P.E.
2. Statement letter of no financial interest, issued by Miller Engineering, dated 11/08/2023, signed and sealed by Jerry T. Miller, P.E.
3. Statement letter of conformance, complying with 7th edition (2020) of the FBC, issued by manufacturer, dated March 19, 2021, signed and sealed by Bradley F. Skidmore, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0815.03

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Size	Type	A	B	C	D	T Sq.	NOMINAL WEIGHT
70	DIRECT	10-3/4	17-1/8	13-3/8	2	18	20
70	TALL DIRECT	10-3/4	17-1/8	14-3/8	2	18	21
90	DIRECT	13-1/4	21-1/8	16-3/8	2	18	28
90	TALL DIRECT	13-1/4	21-1/8	17-3/8	2	18	29
100	DIRECT	13-1/4	21-1/8	16-3/8	2	18	30
101	TALL DIRECT	13-1/4	21-1/8	20-3/16	2	18	31
70-100	BELT	12-1/2	23-9/16	21-1/8	2	18	50
120	BELT/DIRECT	19-1/16	28-7/16	26-7/8	2	20	81
135	BELT/DIRECT	19-1/16	28-7/16	27-1/4	2	20	86
150	BELT/DIRECT	20-15/16	32-7/8	30-1/4	2	24	102
	HP BELT/DIRECT	20-15/16	32-7/8	27-1/2	2	24	100
165	BELT/DIRECT	20-15/16	32-7/8	30-3/4	2	24	108
	HP BELT/DIRECT	20-15/16	32-7/8	27-3/4	2	24	106
	XP BELT/DIRECT	20-15/16	32-7/8	26-11/16	2	24	104
180	BELT/DIRECT	24-13/16	37-11/16	35-7/8	3	30	125
	HP BELT/DIRECT	24-13/16	37-11/16	33-3/8	3	30	123
	XP BELT/DIRECT	24-13/16	37-11/16	31-9/16	3	30	121
195	BELT/DIRECT	24-13/16	37-11/16	36-3/8	3	30	135
	HP BELT/DIRECT	24-13/16	37-11/16	33-1/2	3	30	133
	XP BELT/DIRECT	24-13/16	37-11/16	32-1/8	3	30	131
210	BELT/DIRECT	25-15/16	43-5/8	38-3/8	3	30	190
	HP BELT/DIRECT	25-15/16	43-5/8	35-3/8	3	30	186
	XP BELT/DIRECT	25-15/16	43-5/8	32-3/4	3	30	182
225	BELT/DIRECT	25-15/16	43-5/8	38-1/8	3	30	212
	HP BELT/DIRECT	25-15/16	43-5/8	35-1/2	3	30	208
	XP BELT/DIRECT	25-15/16	43-5/8	33-5/16	3	30	204
245	BELT/DIRECT	28-1/2	47-5/8	41-1/16	3	30	234
	HP BELT/DIRECT	28-1/2	47-5/8	37-5/16	3	30	230
	XP BELT/DIRECT	28-1/2	47-5/8	34-1/16	3	30	226
270	BELT/DIRECT	28-1/2	47-5/8	41-1/16	3	36	256
	HP BELT/DIRECT	28-1/2	47-5/8	37-5/16	3	36	252
	XP BELT/DIRECT	28-1/2	47-5/8	35	3	36	248
300	BELT/DIRECT	33-7/8	52-5/8	49-15/16	3	36	306
	HP BELT/DIRECT	33-7/8	52-5/8	45-15/16	3	36	300
	XP BELT/DIRECT	33-7/8	52-5/8	41-7/16	3	36	294

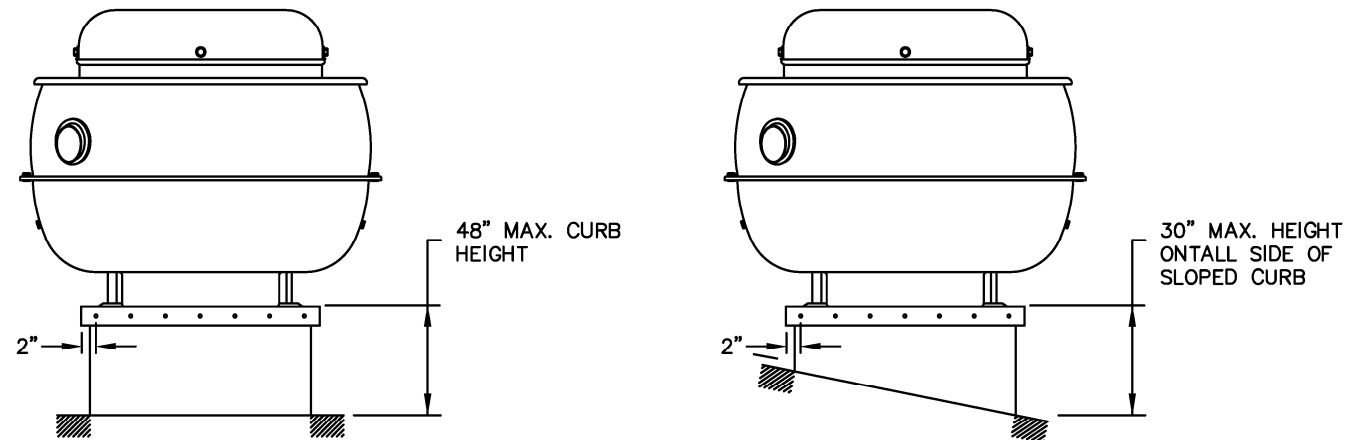


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0815.03
Expiration Date 11/13/2028
By *[Signature]*
Miami-Dade Product Control

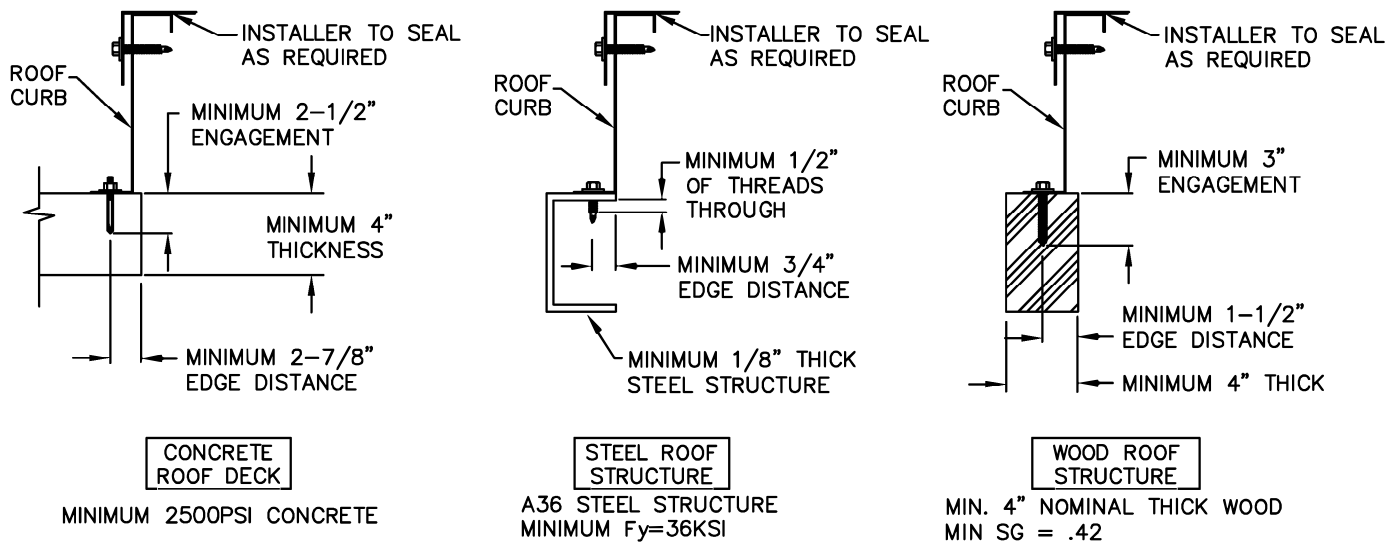
DESIGN PRESSURE: +150 PSF / -150 PSF
IMPACT RATING: LARGE MISSILE IMPACT RESISTANT
DESIGN TESTING AND INSTALLATION CONFORMS TO FLORIDA BUILDING CODE
ALL DIMENSIONS IN INCHES/ALL WEIGHTS IN POUNDS



MAT'L	-		
DRAWN	BFS	05/05/14	
DESIGNER	BFS	SHEET 1 OF 12	
DO NOT SCALE DRAWING			
TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL	FRACTIONAL		
.XX=±.063"	≤12"=±1/16"		
.XXX=±.010"	>12" THRU 96"=±1/8"		
.XXXX=±.001"	>96" THRU 144"=±1/4"		
ANGULAR	>144"=±3/8"		
±2'	(NC)=NO INSPECTION REQ'D		
			LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI
		ACRU/VCR/ACSC/ACW POWER VENTILATOR HURRICANE RATED	
SIZE	DRAWING NO.		REV.
B	SD080717-12		G



ATTACHMENT OF CURB TO ROOF STRUCTURE



CONCRETE
ROOF DECK

MINIMUM 2500PSI CONCRETE

STEEL ROOF
STRUCTURE

A36 STEEL STRUCTURE
MINIMUM Fy=36KSI

WOOD ROOF
STRUCTURE

MIN. 4" NOMINAL THICK WOOD
MIN SG = .42

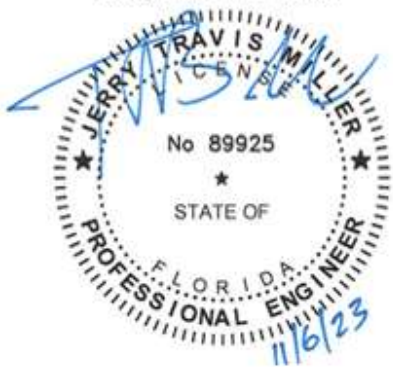
FASTENER TABLE		
UNIT SIZE	MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH UNIT TO CURB	MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO ROOF STRUCTURE
70	5	5
90	5	5
70-100	5	5
101	5	5
120	5	6
135	5	6
150	6	7
165	6	7
180	8	8
195	8	8
210	8	9
225	8	9
245	8	10
270	9	10
300	9	14

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Expiration Date 11/13/2028



By 
Miami-Dade Product Control

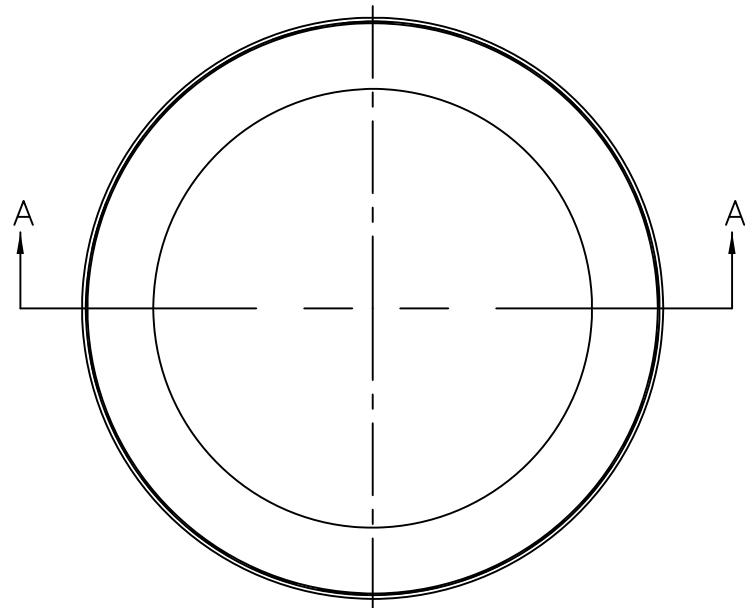
JERRY TRAVIS MILLER- ENGINEER
FLORIDA LICENSE #89925
FLORIDA STATE CERTIFICATE
OF AUTHORITY #RY34386



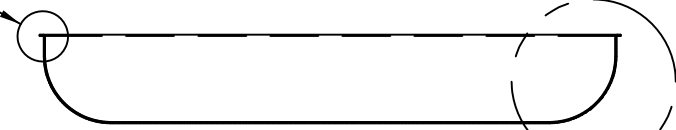
NOTES:

- 1) ACUR/VCR/ACW POWER VENTILATOR AS REFERRED TO HEREIN REFERS TO ALL LOREN COOK MODEL POWER VENTILATORS INCLUDING BOTH DIRECT DRIVE AND BELT DRIVE TYPE UNITS WHICH ARE CONSTRUCTED WITH THE SAME OUTER HOUSING COMPONENTS. THE FULL RANGE OF MODELS WOULD BE:
ACRUD, ACRUD-HP, ACRUD-XP
ACRUB, ACRUB-HP, ACRUB-XP
VCRD, VCRD-HP, VCRD-XP
VCR, VCR-XP, VCR-HP
ACSC, ACSC-HP, ACSC-XP
ACWD, ACWD-HP, ACWD-XP, ACWDEC, ACWDEC-HP, ACWDEC-XP, ACWB, ACWB-HP, ACWB-XP
- 2) THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY OF THE EXTERIOR HOUSING ONLY, IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.
- 3) THIS PRODUCT HAS NOT BEEN TESTED FOR WATER PENETRATION ACCORDING TO FLORIDA BUILDING CODE TAS 100(A) WIND DRIVEN RAIN TEST. IT CANNOT BE INSTALLED WITHIN THE RIDGE AREA FBC 1523.6.5.2.13
- 4) UNIT IS TO INCLUDE A CURB CAP BASE TO FACILITATE MOUNTING OF THE UNIT TO A CURB. THE CURB WILL BE ADEQUATELY ATTACHED TO THE BUILDING STRUCTURE TO SUSTAIN ALL FORCES WHICH MAY BE PRODUCED BY THE PRESCRIBED ENVIRONMENTAL FORCES EXERTED ON THE FAN AND CURB. THE CURB MUST BE ATTACHED TO A STRUCTURAL MEMBER OF THE BUILDING.
CONCRETE DECK: CURB IS TO BE ATTACHED WITH WEDGE TYPE CONCRETE ANCHOR - MINIMUM 3/8" DIAMETER CARBON STEEL - HILTI KWIK BOLT 3 OR EQUAL. MINIMUM 2-1/2" OF ENGAGEMENT IN 2000 PSI MINIMUM CONCRETE. MINIMUM DECK THICKNESS IS 4". SEE TABLE FOR MINIMUM QUANTITY OF ANCHORS REQUIRED PER CURB SIDE.
STEEL ROOF STRUCTURE: CURB IS TO BE ATTACHED WITH SELF-DRILLING STEEL SCREW OF MINIMUM NOMINAL SIZE OF #12. THE SCREW SHALL PASS THROUGH STEEL STRUCTURE AT LEAST 1/2". SEE TABLE FOR MINIMUM QUANTITY OF SCREWS REQUIRED PER CURB SIDE.
WOOD ROOF STRUCTURE: CURB IS TO BE ATTACHED WITH STEEL LAG BOLTS NOMINAL SIZE OF 5/16" DIAMETER OR LARGER. WOOD IS TO BE 4" NOMINAL SIZE OR GREATER. THE BOLT SHALL HAVE A MINIMUM OF 3" OF THREAD ENGAGEMENT AND SHALL BE AT LEAST 1-1/2" FROM MATERIAL EDGE. SEE TABLE FOR MINIMUM QUANTITY OF BOLTS REQUIRED PER CURB SIDE.
- 5) THE CURB SHALL BE CONSTRUCTED OF G-90 GALVANIZED STEEL OR 3003-H24 ALUMINUM OR STAINLESS STEEL. THE CURB MATERIAL THICKNESS SHALL BE 18 GA (.0470") OR GREATER. THE CURB HEIGHT SHALL NOT EXCEED 48".
- 6) THE ACUR/VCR POWER VENTILATOR SHALL BE ATTACHED TO THE CURB WITH ONE OF THE FOLLOWING METHODS INSTALLED ON ALL FOUR SIDES OF THE CURB CAP OR THRU USE OF THE ACCESSORY HINGED BASE. THE FASTENERS SHALL BE 2" FROM EACH CORNER OF THE FAN BASE. THE DISTANCE BETWEEN FASTENERS SHALL BE 5-1/2" OR LESS. THE QUANTITY OF FASTENERS INTO EACH CURB SIDED SHALL EQUAL OR EXCEED THE QUANTITY SHOWN IN THE FASTENER TABLE (AT LEFT).
A) #12 X 2" HEX WASHER HEAD SELF-DRILLING SCREW
B) ALTERNATE FASTENER - .25" HEX HEAD BOLT AND WASHER WITH COMPANION NUT INSTALLED ON THE INTERIOR OF THE CURB.
- 7) ALL FASTENERS ARE TO BE HIGH QUALITY CORROSION RESISTANT STEEL OR STAINLESS STEEL.
- 8) ANY GAP BETWEEN THE CURB AND CURB CAP SHALL BE FILLED BY THE INSTALLING CONTRACTOR WITH A SUITABLE CORROSION RESISTANT MATERIAL THAT ALLOWS THE FASTENERS TO BE INSTALLED WITHOUT CAUSING EXCESSIVE DISTORTION OF THE UNIT FLANGES.
- 9) THE INSTALLER IS RESPONSIBLE FOR CHECKING THAT ALL FASTENERS ARE PROPERLY INSTALLED AND ALL ACCESS PANELS ARE IN PLACE BEFORE PUTTING THE UNIT INTO SERVICE.
- 10) ALL FASTENERS AND ACCESS PANELS MUST BE PROPERLY INSTALLED AFTER MAINTENANCE OPERATIONS FOR UNIT TO MAINTAIN CODE COMPLIANCE.

MAT'L		—			LOREN COOK CO.					
DRAWN		BFS			MANUFACTURERS OF AIR MOVING EQUIPMENT					
DESIGNER		BFS			SPRINGFIELD, MISSOURI					
		05/05/14			ACRU/VCR/ACSC/ACW POWER VENTILATOR HURRICANE RATED					
SHEET 2 OF 12										
DONO T SCALD										
DRAWING										
TOLERAN CE S/ N I LESS				OTHERWISE NOTED						
DECIMAL		FRACTIONAL		SIZE			DRAWING NO.		REV.	
.XX=±.063"		≤12"=±1/16"								
.XXX=±.010"		>12" THRU 96"=±1/8"								
.XXXX=±.001"		>96" THRU 144"=±1/4"								
ANGULAR		>144"=±3/8"		B			SD080717-12		G	
±2°		(NC)=NO INSPECTION REQ'D								

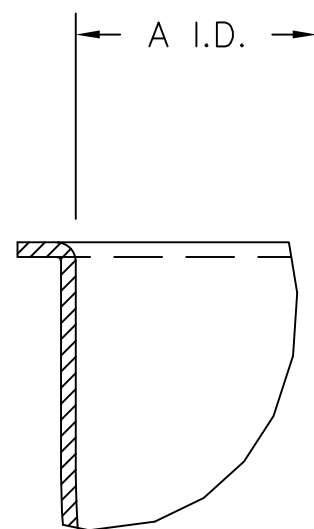
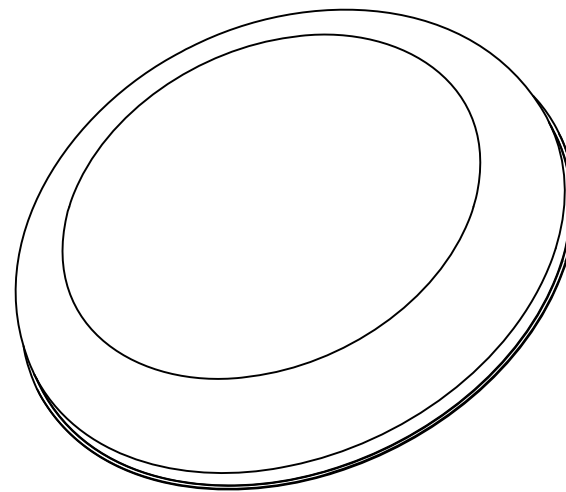


SEE DETAIL B

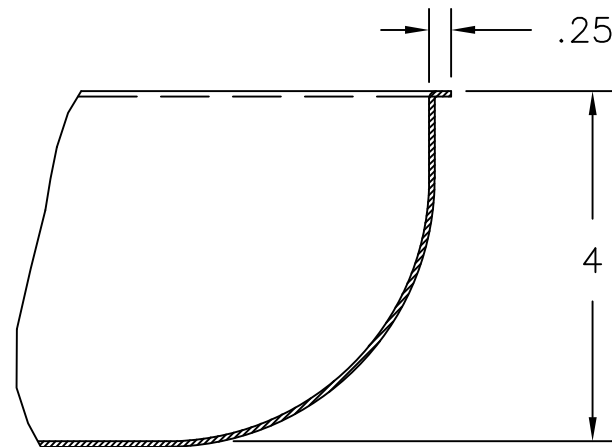


SECTION A-A


SEE DETAIL A



DETAIL B
SCALE 2.0

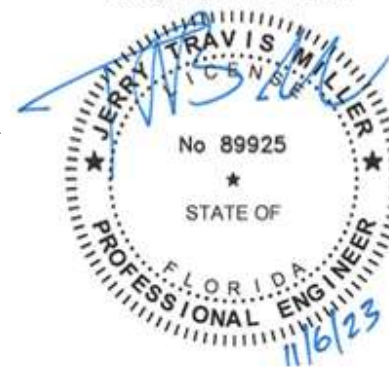


DETAIL A
SCALE 0.750

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0815.03
Expiration Date 11/13/2028
By 
Miami-Dade Product Control

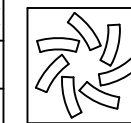
300	39-7/32	0.063
270	35-23/32	0.063
245	32-23/32	0.063
210-225	29-23/32	0.063
180-195	25-31/32	0.050
150-165	23-21/32	0.050
120-135	20-7/32	0.050
70-100	16-19/32	0.050
UNIT	A	MATERIAL
SIZE	DIM	THICKNESS

JERRY TRAVIS MILLER- ENGINEER
FLORIDA LICENSE #89925
FLORIDA STATE CERTIFICATE
OF AUTHORITY #RY34386



ALUMINUM: SY MIN=17KSI

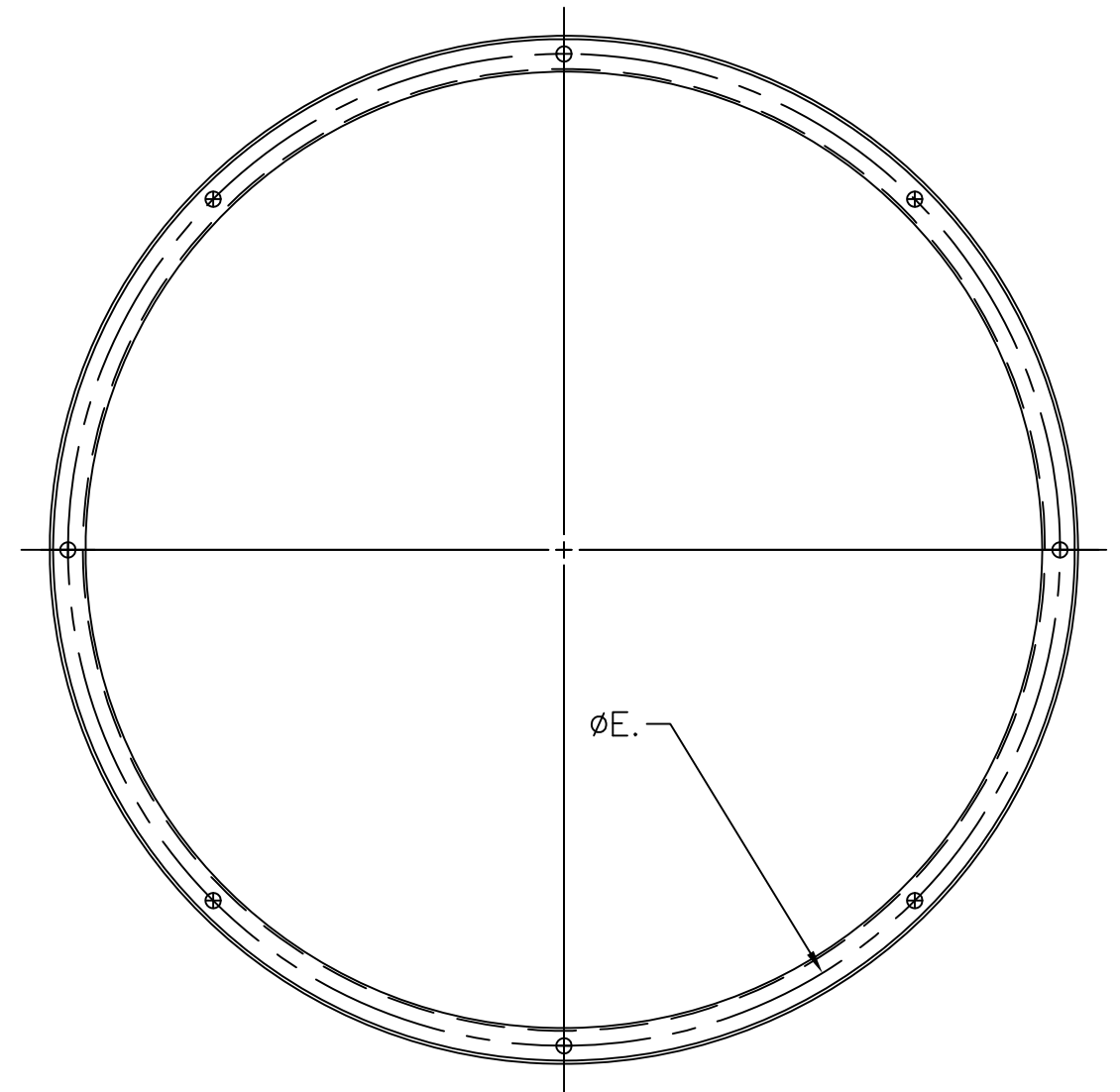
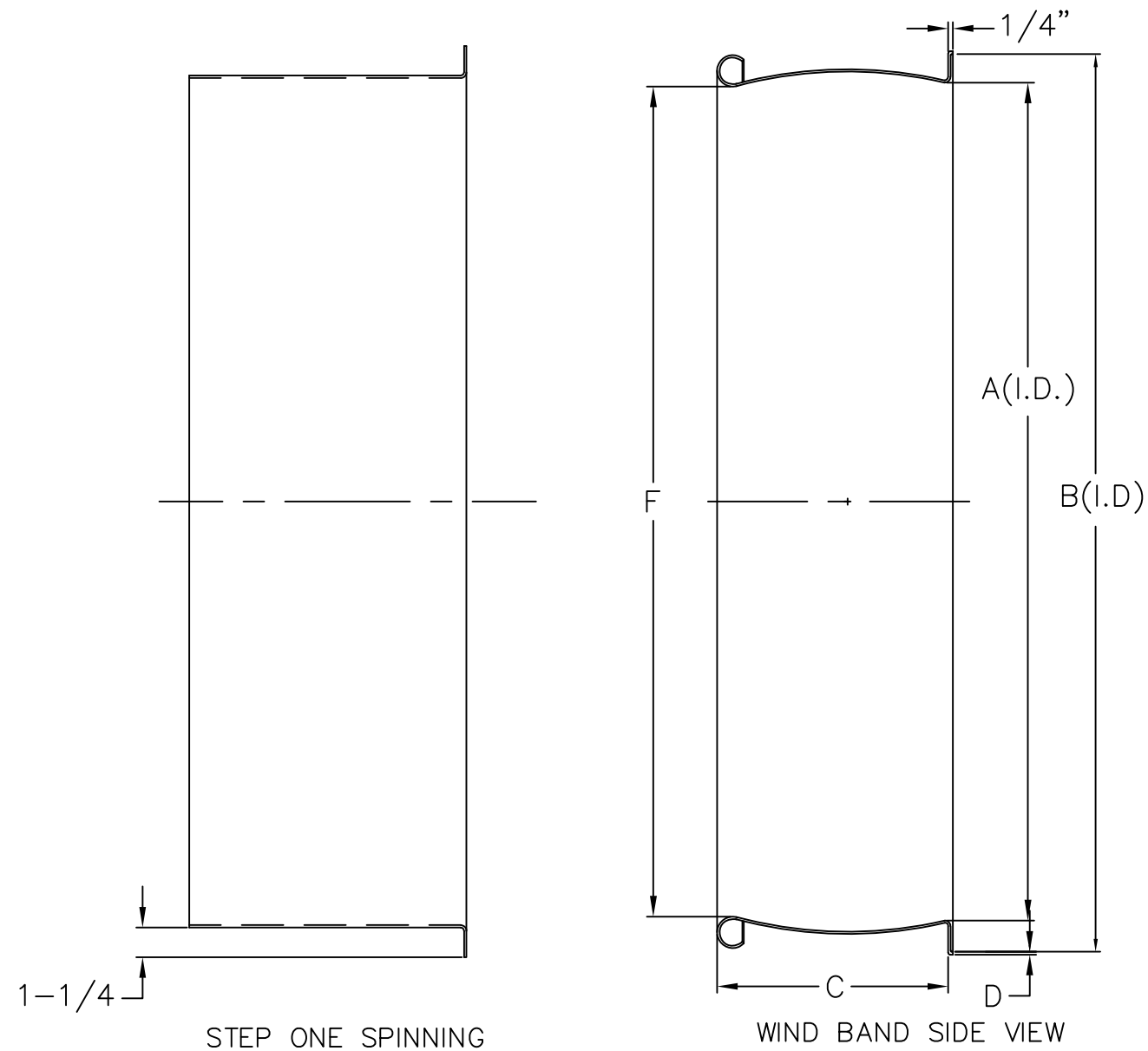
MAT'L	3003 H14 ALUM .05 THICK	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 3 OF 12
DO NOT SCALE DRAWING		
TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2°	(NC)=NO INSPECTION REQ'D	




LOREN COOK CO.
MANUFACTURERS OF AIR MOVING EQUIPMENT
SPRINGFIELD, MISSOURI

ACRU/VCR/ACSC/ACW
POWER VENTILATOR
HURRICANE RATED

SIZE	DRAWING NO.	REV.
B	SD080717-12	G



300	52	54-1/8	12	.050	53
270	47	49-1/8	10	.050	48
245	47	49-1/8	10	.050	48
210-225	43	45-1/8	10	.050	44
180-195	37-1/4	39-3/8	10	.040	38-1/4
150-165	32-1/2	34-5/8	8-1/2	.040	33-1/2
120-135	28	30-1/8	8-1/2	.040	29
100	23	25-1/8	6-1/2	.040	24
UNIT	A	B	C	D	E
SIZE	DIM	DIM	DIM	DIM	DIM

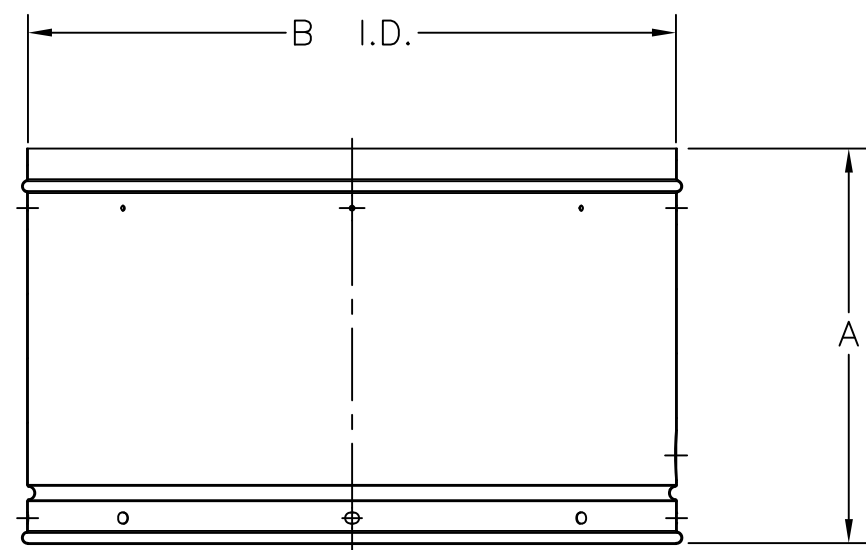
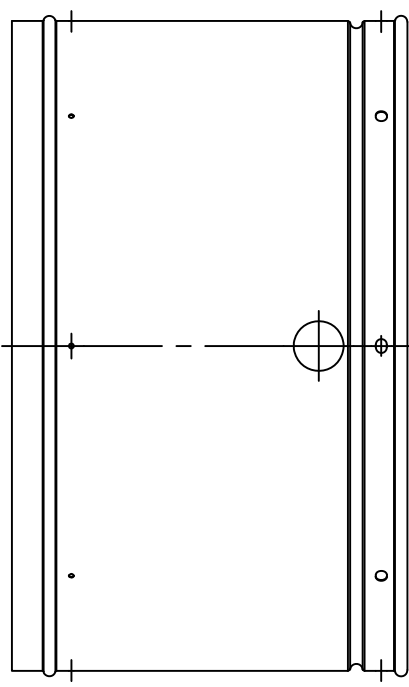
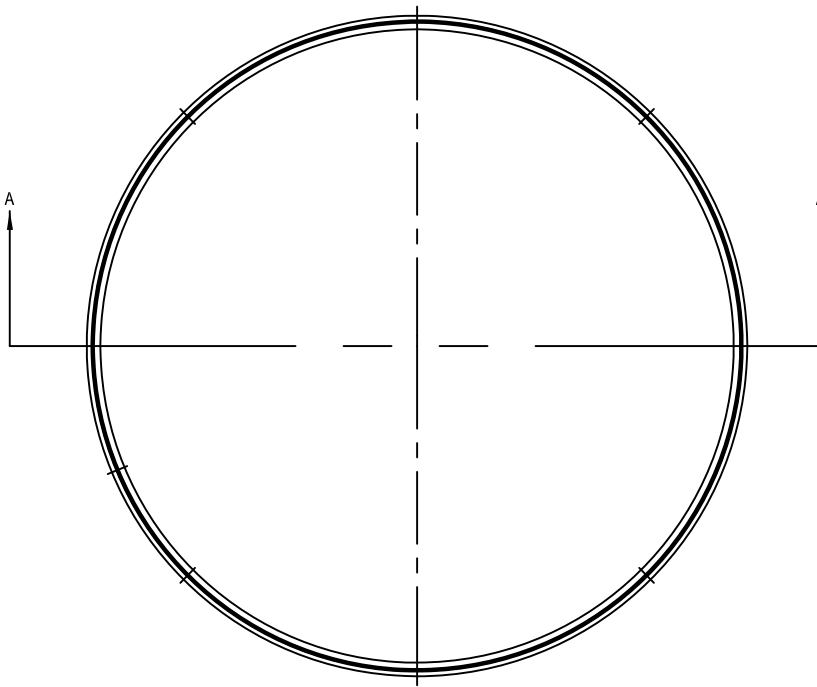
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0815.03
Expiration Date 11/13/2028
By 
Miami-Dade Product Control



ALUMINUM: SY MIN=17KSI

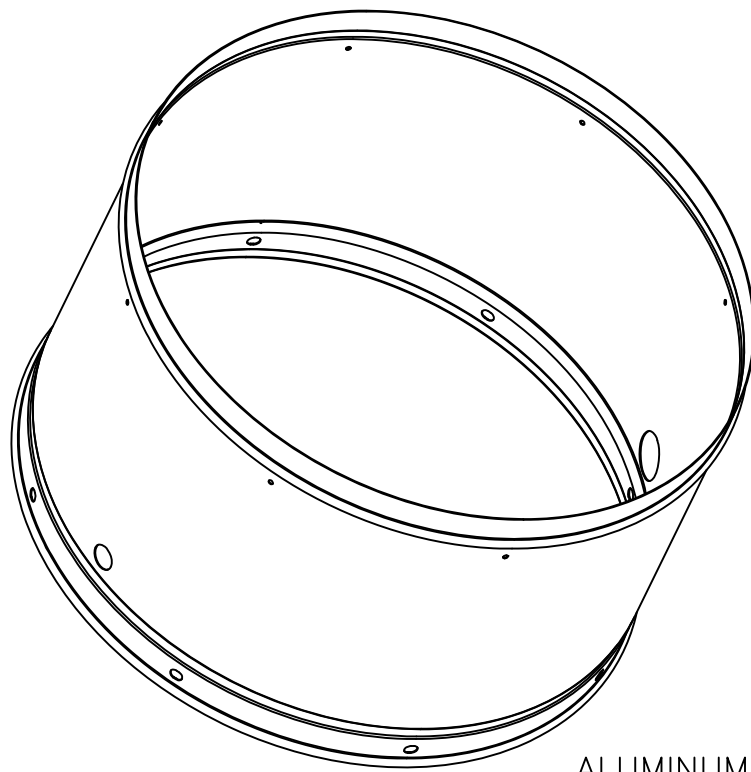
MAT'L	D THICK 1100-0 ALUM	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 4 OF 12
DO NOT SCALE DRAWING		
TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2°	(NC)=NO INSPECTION REQ'D	


 LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI		
ACRU/VCR/ACSC/ACW POWER VENTILATOR HURRICANE RATED		
SIZE	DRAWING NO.	REV.
B	SD080717-12	G



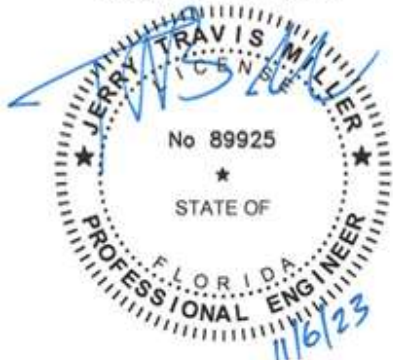
SECTION A-A

300	22	39-1/32	0.050
270	16-1/4	35-17/32	0.040
245	16-1/4	32-17/32	0.040
210-225	16-1/4	29-17/32	0.040
120-135	13	20-1/32	0.040
70-100 BELT	8-1/2	16-13/32	0.040
UNIT	A	B	THICKNESS
SIZE	DIM	DIM	MATERIAL

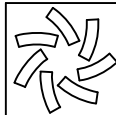


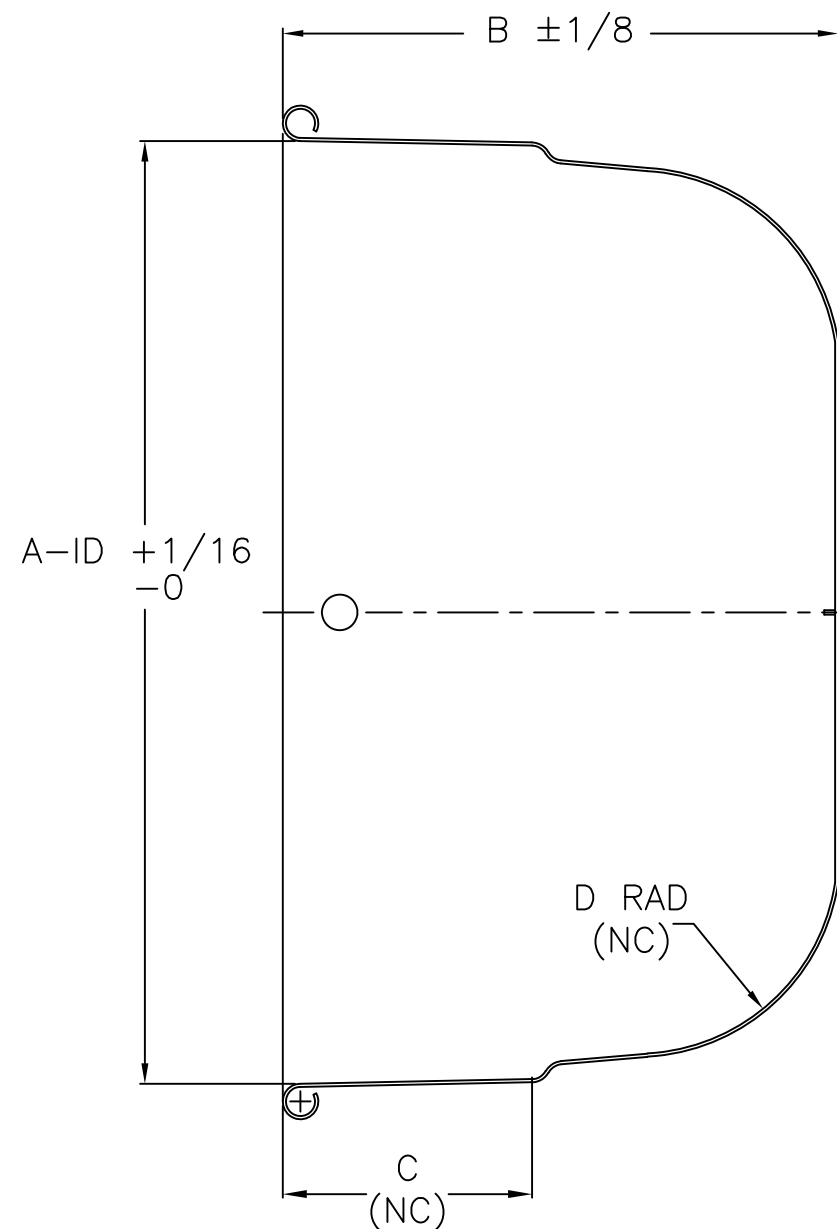
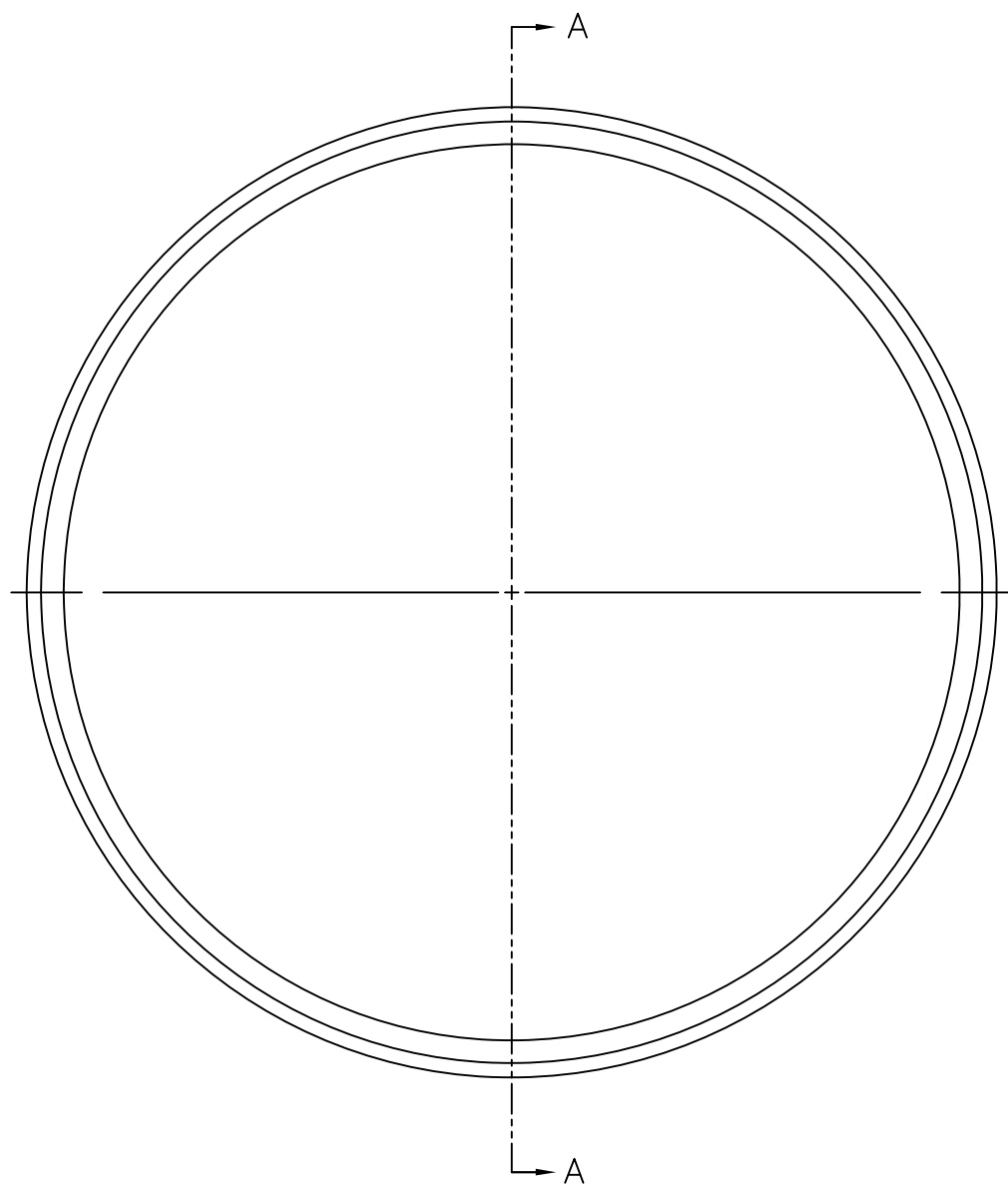
PRODUCT REVISED
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NOA-No. 23-0815.03
Expiration Date 11/13/2028
By 
Miami-Dade Product Control

JERRY TRAVIS MILLER- ENGINEER
FLORIDA LICENSE #89925
FLORIDA STATE CERTIFICATE
OF AUTHORITY #RY34386



ALUMINUM: SY MIN=17KSI

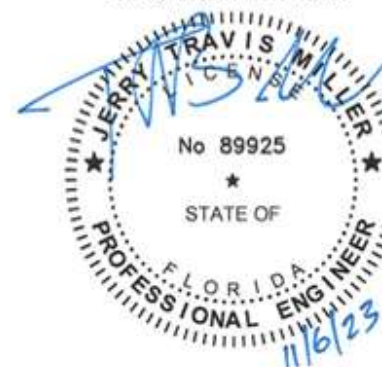
MAT'L		SEE TABLE			LOREN COOK CO.	
DRAWN		BFS	05/05/14		MANUFACTURERS OF AIR MOVING EQUIPMENT	
DESIGNER		BFS	SHEET 5 OF 12		SPRINGFIELD, MISSOURI	
DO NOT SCALE DRAWING						ACRU/VCR/ACSC/ACW POWER VENTILATOR HURRICANE RATED
TOLERANCES UNLESS OTHERWISE NOTED						
DECIMAL		FRACTIONAL		SIZE	DRAWING NO.	
.XX=±.063"		≤12"=±1/16"				
.XXX=±.010"		>12" THRU 96"=±1/8"		B	SD080717-12	
.XXXX=±.001"		>96" THRU 144"=±1/4"				G
ANGULAR		>144"=±3/8"				
±2°		(NC)=NO INSPECTION REQ'D				




SECTION A-A


90-100 EXTRA DEEP	13-7/16	10	3-9/16	2-7/16
90-100	13-7/16	7-3/4	3-9/16	2-7/16
70 EXTRA DEEP	10-5/8	7-1/2	3-1/4	1-7/8
70	10-5/8	6-1/2	3-1/4	1-7/8
UNIT	A	B	C	D
SIZE	DIM	DIM	DIM	DIM
DIRECT DRIVE				

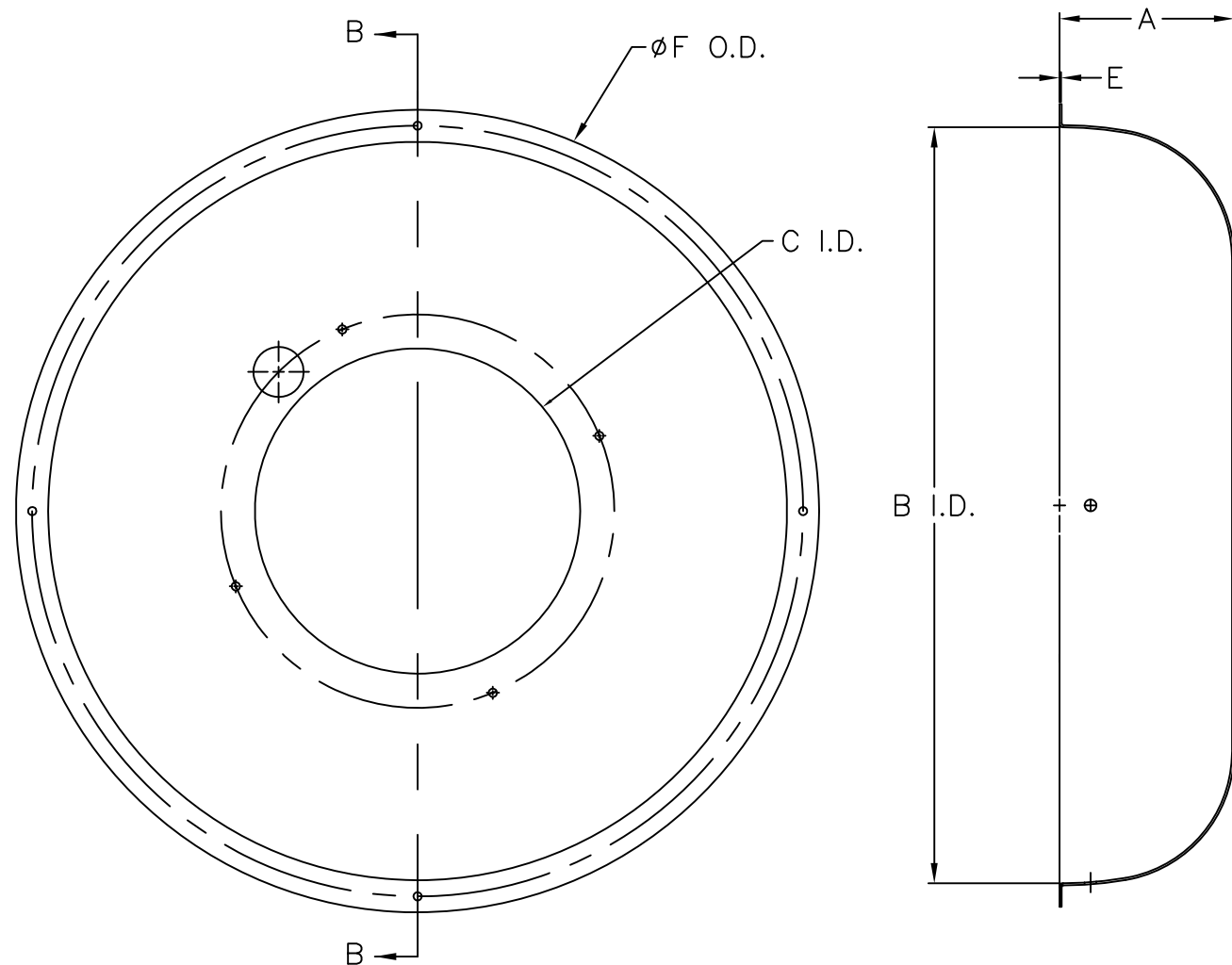
JERRY TRAVIS MILLER- ENGINEER
FLORIDA LICENSE #89925
FLORIDA STATE CERTIFICATE
OF AUTHORITY #RY34386



ALUMINUM: SY MIN=17KSI

MAT'L	1100-0 ALUM .064 THICK		 ®	LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI	
DRAWN	BFS	05/05/14			
DESIGNER	BFS	SHEET 6 OF 12			
DO NOT SCALE DRAWING			ACRU/VCR/ACSC/ACW POWER VENTILATOR HURRICANE RATED		
TOLERANCES UNLESS OTHERWISE NOTED					
<u>DECIMAL</u> .XX=±.063" .XXX=±.010" .XXXX=±.001"		<u>FRACTIONAL</u> ≤12"=±1/16" >12" THRU 96"=±1/8" >96" THRU 144"=±1/4" >144"=±3/8"	SIZE	DRAWING NO.	REV.
<u>ANGULAR</u> ±2'		(NC)=NO INSPECTION REQ'D	B	SD080717-12	G

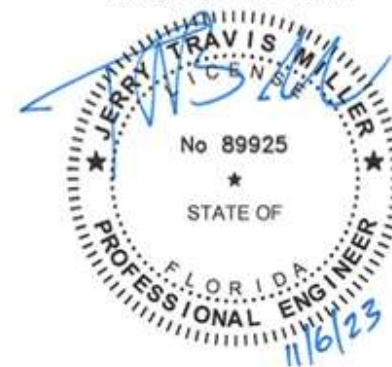
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Expiration Date 11/13/2028
By 
Miami-Dade Product Control



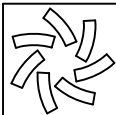
300	14-3/4	52	31-3/8	19-13/16	0.080	54
270	12-1/4	47	28-3/8	15-11/32	0.080	49
245	12-1/4	47	25-7/8	15-11/32	0.080	49
210-225	11	43	23-3/8	14-5/16	0.080	45
180-195	10-3/8	37-1/4	19-3/8	12-1/2	0.080	39-1/4
150-165	9-1/2	32-1/2	15-7/8	10-9/16	0.064	34-1/2
120-135	8-1/4	28	12-7/8	8-3/4	0.064	30
100	5-7/16	23	10-1/8	7-5/16	0.064	25
UNIT	DIM	DIM	DIM	DIM	DIM	DIM
SIZE	A	B	C	D	E	F

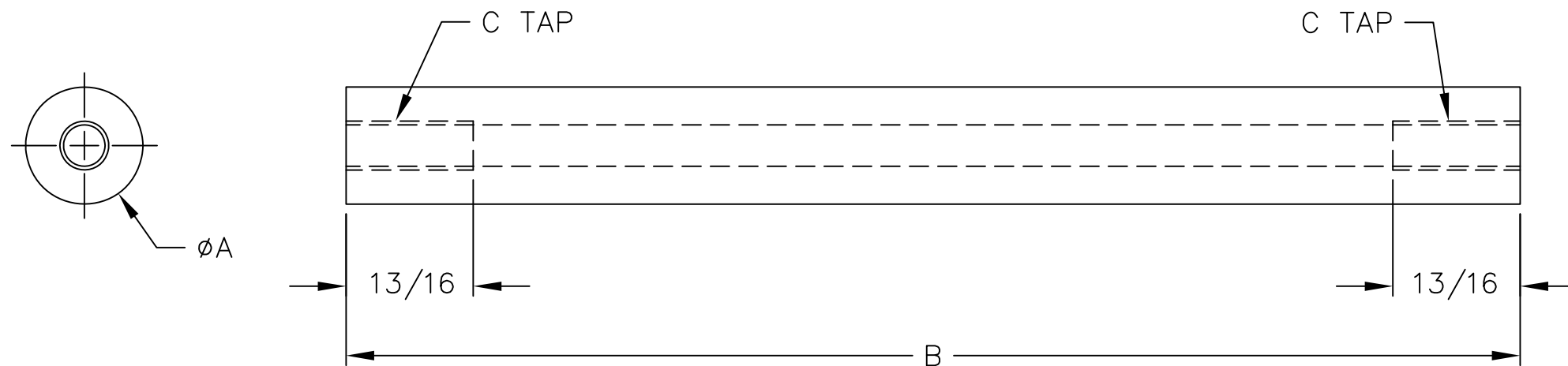
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Expiration Date 11/13/2028
By *[Signature]*
Miami-Dade Product Control

JERRY TRAVIS MILLER- ENGINEER
FLORIDA LICENSE #89925
FLORIDA STATE CERTIFICATE
OF AUTHORITY #RY34386




ALUMINUM: SY MIN=17KSI

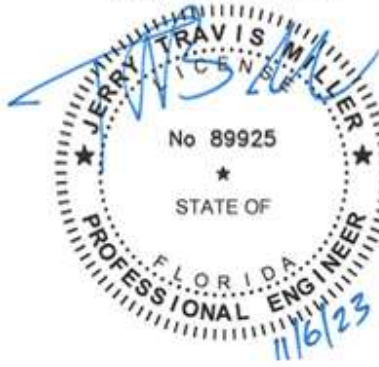
MAT'L		3003—O ALUM "E" THICK			LOREN COOK CO.	
DRAWN		BFS	05/05/14		MANUFACTURERS OF AIR MOVING EQUIPMENT	
DESIGNER		BFS	SHEET 7 OF 12		SPRINGFIELD, MISSOURI	
DO NOT SCALE DRAWING						
TOLERANCES UNLESS OTHERWISE NOTED						
DECIMAL		FRACTIONAL				
.XX=±.063"		≤12"=±1/16"				
.XXX=±.010"		>12" THRU 96"=±1/8"				
.XXXX=±.001"		>96" THRU 144"=±1/4"				
		>144"=±3/8"				
ANGULAR		(NC)=NO INSPECTION REQ'D				
±2°						
B		SD080717—12		G		





300	1	7	3/8-16	LOWER	8
270	1	6 1/8	3/8-16	LOWER	8
245	1	6 1/8	3/8-16	LOWER	4
225	3/4	4 7/8	5/16-18	LOWER	4
210	3/4	4 7/8	5/16-18	LOWER	4
195	3/4	4 1/2	5/16-18	LOWER	4
180	3/4	4 1/2	5/16-18	LOWER	4
165	3/4	3 1/8	5/16-18	LOWER	4
150	3/4	3 1/8	5/16-18	LOWER	4
135	3/4	2 1/4	5/16-18	LOWER	4
120	3/4	2 1/4	5/16-18	LOWER	4
70-100	3/4	2 1/2	5/16-18	LOWER	4
UNIT	A	B	C	POST	POST
SIZE	DIM	DIM	DIM	LOCATION	QUANTITY
ACRU/VCR/ACSC/ACW					

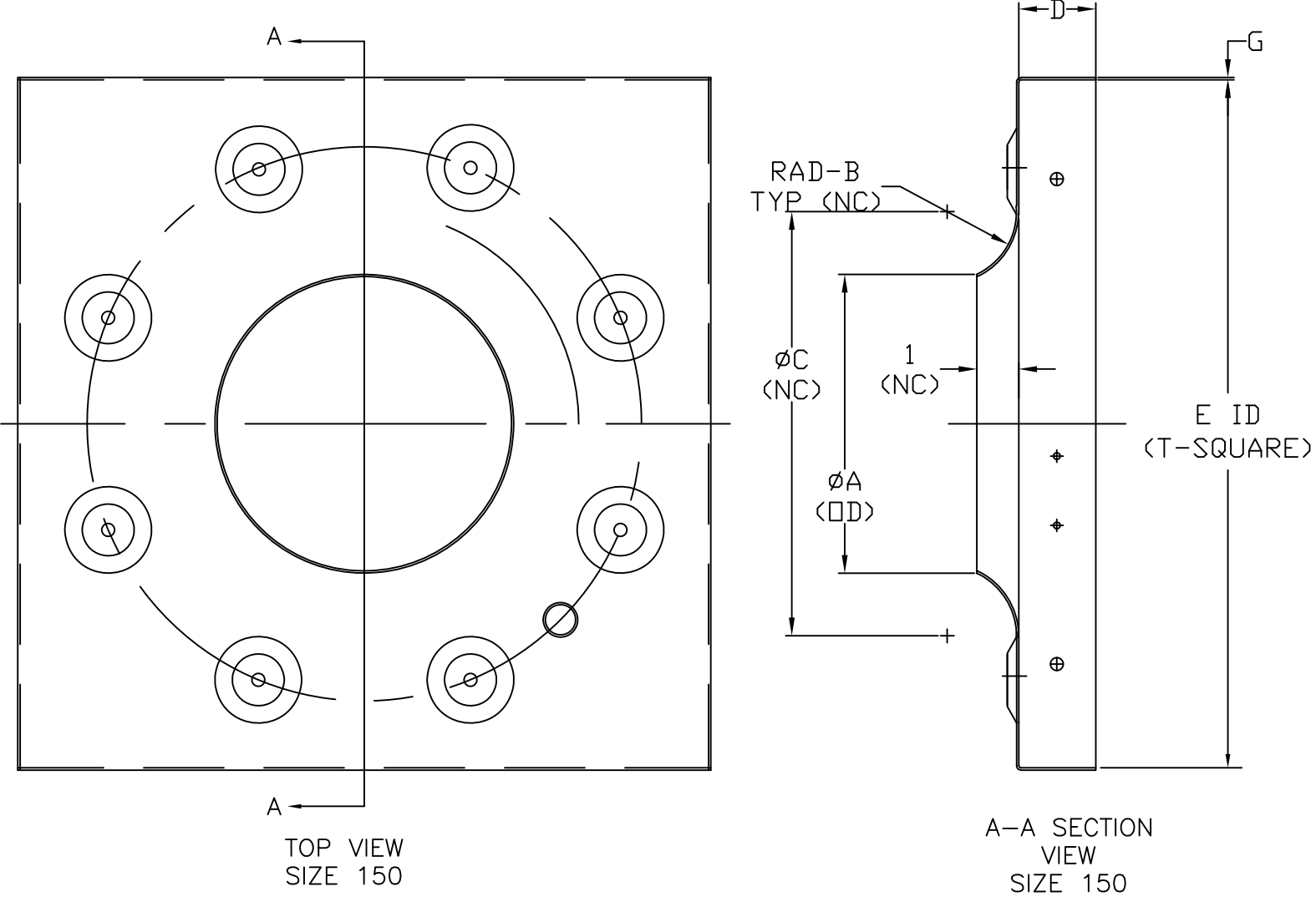
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Expiration Date 11/13/2028
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JERRY TRAVIS MILLER- ENGINEER
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OF AUTHORITY #RY34386



ALUMINUM: SY MIN=35KSI

MAT'L		ØA 6005-T6 OR 6105-T5			LOREN COOK CO.	
DRAWN		BFS	05/05/14		MANUFACTURERS OF AIR MOVING EQUIPMENT	
DESIGNER		BFS	SHEET 8 OF 12		SPRINGFIELD, MISSOURI	
DO NOT SCALE DRAWING					ACRU/VCR/ACSC/ACW POWER VENTILATOR HURRICANE RATED	
TOLERANCES UNLESS OTHERWISE NOTED						
DECIMAL		FRACTIONAL				
.XX=±.063"		≤12"=±1/16"				
.XXX=±.010"		>12" THRU 96"=±1/8"				
.XXXX=±.001"		>96" THRU 144"=±1/4"		SIZE	DRAWING NO.	REV.
ANGULAR		≥144"=±3/8"				
±2°		(NC)=NO INSPECTION REQ'D				
				B	SD080717-12	G



225	17-1/4	3-1/2	22	3	30	.080
210	16-1/2	3-1/2	20-15/16	3	30	.080
195	14-1/8	3	19	3	30	.080
180	13-1/2	1-1/2	16-1/2	3	30	.080
165	11-7/8	2-1/2	16	2	24	.064
150	10-3/4	2-1/2	15	2	24	.064
135	9-3/8	2	13	2	20	.064
120	8-9/16	2	12	2	20	.064
UNIT	A	B	C	D	E	F
SIZE	DIM	DIM	DIM	DIM	DIM	DIM



ALUMINUM: SY MIN=17KSI


MAT'L	3003-H14 ALUM. "F" GA.	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 9 OF 12
DO NOT SCALE DRAWING		
TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2°	(NC)=NO INSPECTION REQ'D	

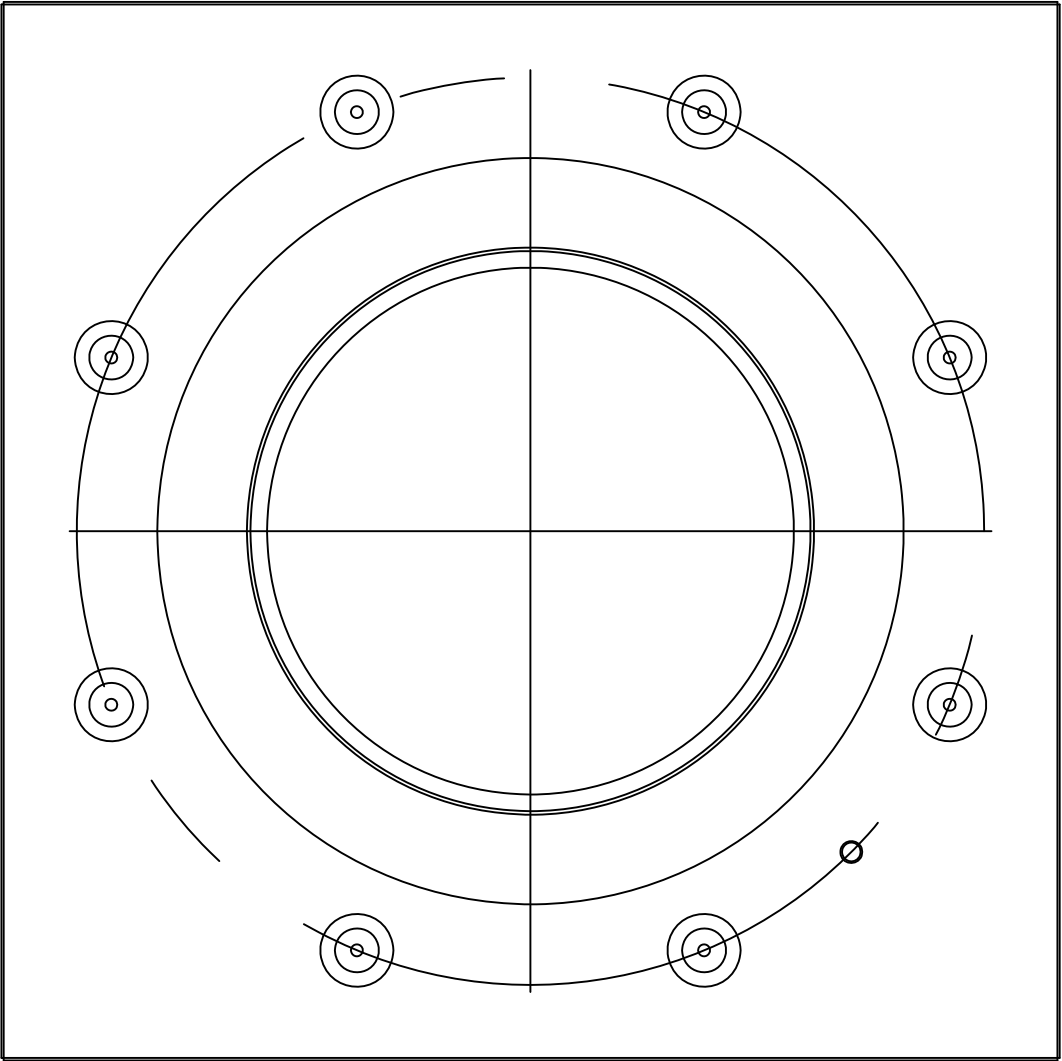


LOREN COOK CO.
MANUFACTURERS OF AIR MOVING EQUIPMENT
SPRINGFIELD, MISSOURI

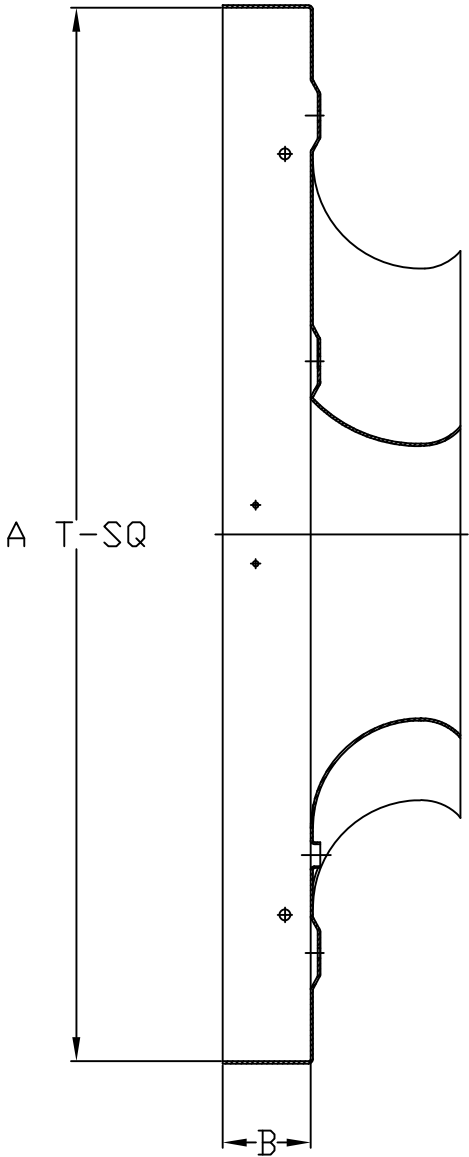
ACRU/VCR/ACSC/ACW
POWER VENTILATOR
HURRICANE RATED

SIZE	DRAWING NO.	REV.
B	SD080717-12	G

PRODUCT REVISED
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By 
Miami-Dade Product Control



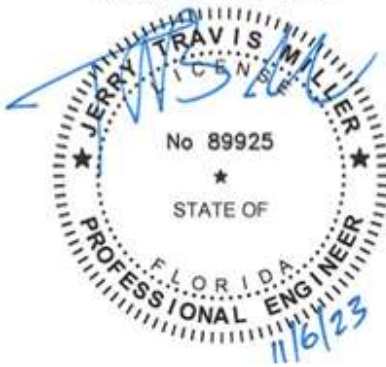
FORM VIEW
SIZE 270 SHOWN



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Expiration Date 11/13/2028
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300	36	3	.080
270	36	3	.080
245	30	3	.080
UNIT	A	B	C
SIZE	T-SQUARE	DIM	DIM

JERRY TRAVIS MILLER- ENGINEER
FLORIDA LICENSE #89925
FLORIDA STATE CERTIFICATE
OF AUTHORITY #RY34386



ALUMINUM: SY MIN=17KSI

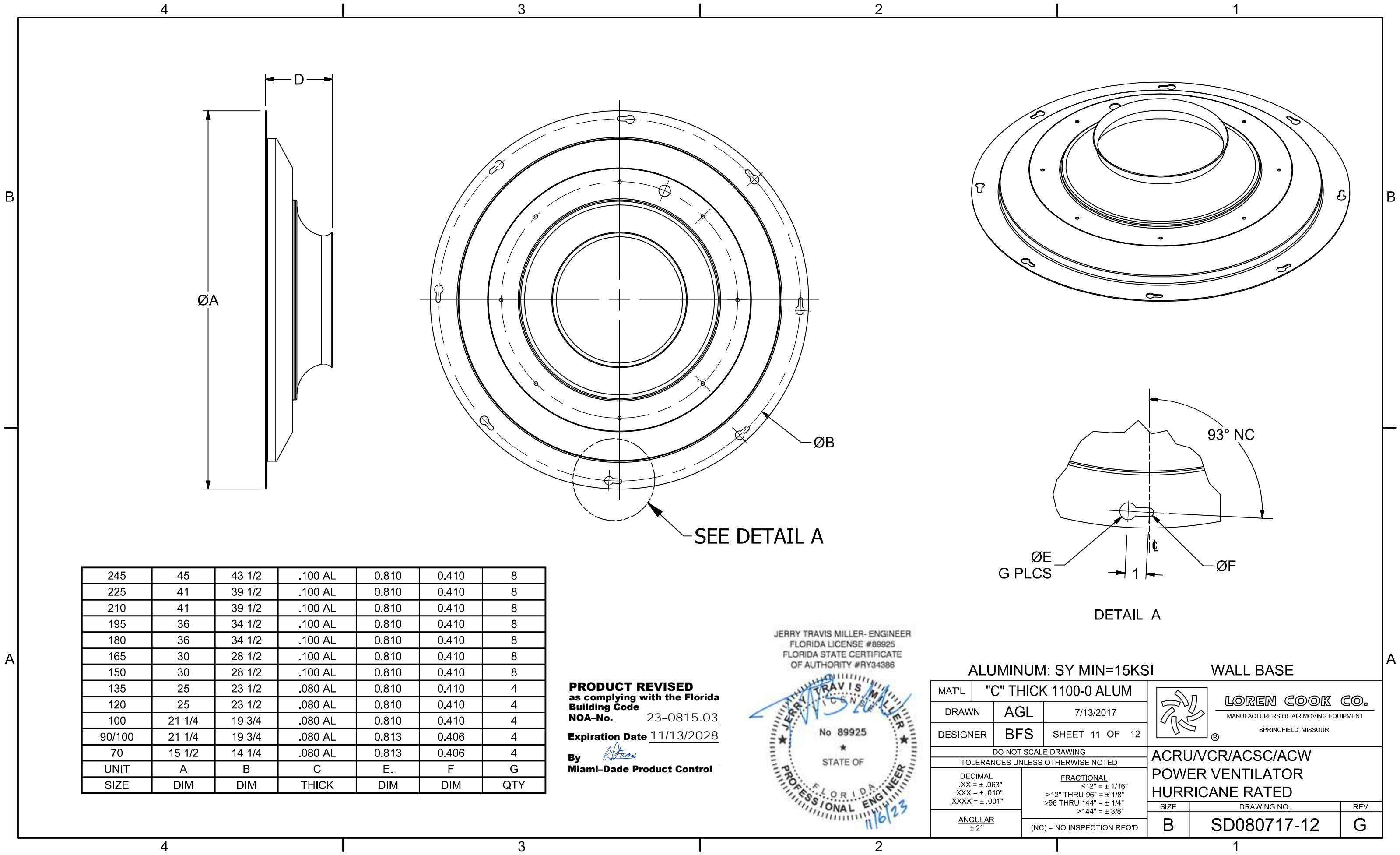
MAT'L	3003-H14 AL. "C" THICK
DRAWN	BFS 05/05/14
DESIGNER	BFS SHEET 10 OF 12
DO NOT SCALE DRAWING	
TOLERANCES UNLESS OTHERWISE NOTED	
DECIMAL	FRACTIONAL
.XX=±.063"	≤12"=±1/16"
.XXX=±.010"	>12" THRU 96"=±1/8"
.XXX=±.001"	>96" THRU 144"=±1/4"
ANGULAR	>144"=±3/8"
±2'	(NC)=NO INSPECTION REQ'D



LOREN COOK CO.
MANUFACTURERS OF AIR MOVING EQUIPMENT
SPRINGFIELD, MISSOURI

ACRU/VCR/ACSC/ACW
POWER VENTILATOR
HURRICANE RATED


SIZE	DRAWING NO.	REV.
B	SD080171-12	G



245	45	43 1/2	.100 AL	0.810	0.410	8
225	41	39 1/2	.100 AL	0.810	0.410	8
210	41	39 1/2	.100 AL	0.810	0.410	8
195	36	34 1/2	.100 AL	0.810	0.410	8
180	36	34 1/2	.100 AL	0.810	0.410	8
165	30	28 1/2	.100 AL	0.810	0.410	8
150	30	28 1/2	.100 AL	0.810	0.410	8
135	25	23 1/2	.080 AL	0.810	0.410	4
120	25	23 1/2	.080 AL	0.810	0.410	4
100	21 1/4	19 3/4	.080 AL	0.810	0.410	4
90/100	21 1/4	19 3/4	.080 AL	0.813	0.406	4
70	15 1/2	14 1/4	.080 AL	0.813	0.406	4
UNIT	A	B	C	E.	F	G
SIZE	DIM	DIM	THICK	DIM	DIM	QTY

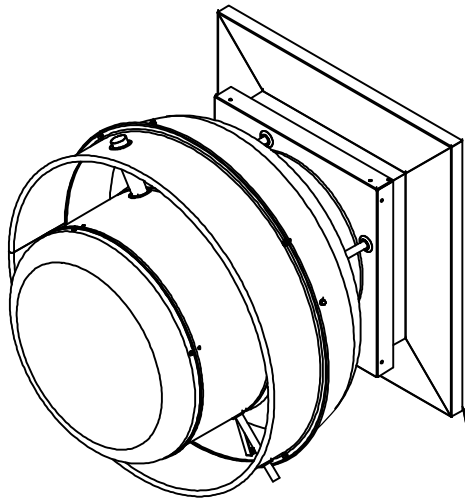
PRODUCT REVISED
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Building Code
NOA-No. 23-0815.03
Expiration Date 11/13/2028
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Miami-Dade Product Control



ALUMINUM: SY MIN=15KSI			WALL BASE		
MAT'L	"C" THICK 1100-0 ALUM			LOREN COOK CO.	
DRAWN	AGL	7/13/2017		MANUFACTURERS OF AIR MOVING EQUIPMENT	
DESIGNER	BFS	SHEET 11 OF 12		SPRINGFIELD, MISSOURI	
DO NOT SCALE DRAWING			ACRU/VCR/ACSC/ACW POWER VENTILATOR HURRICANE RATED		
TOLERANCES UNLESS OTHERWISE NOTED					
<u>DECIMAL</u> .XX = ± .063" .XXX = ± .010" .XXXX = ± .001"		<u>FRACTIONAL</u> ≤12" = ± 1/16" >12" THRU 96" = ± 1/8" >96 THRU 144" = ± 1/4" >144" = ± 3/8"	SIZE DRAWING NO. REV.		
<u>ANGULAR</u> ± 2°		(NC) = NO INSPECTION REQ'D			
			B	SD080717-12	G

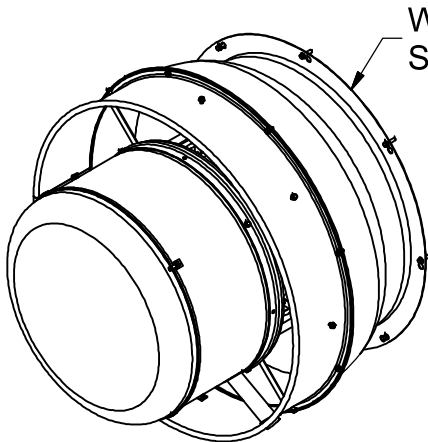
WALL MOUNT ACRU/VCR FASTENER TABLE 1		
UNIT SIZE	MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH UNIT TO CURB	MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO WALL STRUCTURE 5/16 LAG OR OR 5/16-18 GRADE 2 HEX BOLT
70	5	5
80	5	5
90	5	5
100	5	5
120	5	6
135	5	6
150	6	7
165	6	7
180	8	8
195	8	8
210	8	9
225	8	9
245	8	10
270	9	10
300	9	14

ACW FASTENER TABLE 2 WALL MOUNT		
UNIT SIZE	BOLT SIZE	NUMBER OF BOLTS IN ROUND WALL BASE
70	3/8	4
90	3/8	4
100	3/8	4
101	3/8	4
120	3/8	4
135	3/8	4
150	3/8	8
165	3/8	8
180	3/8	8
195	3/8	8
210	3/8	8
225	3/8	8
245	3/8	8



ACRU
SIZE 300 SHOWN

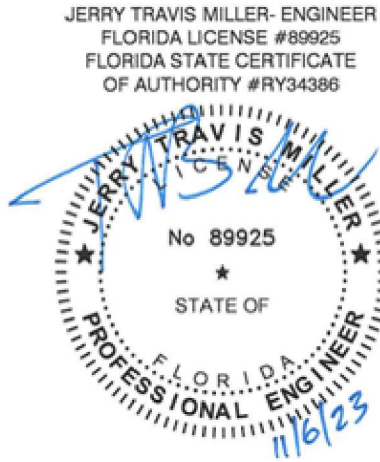
CURB
9.5" MAX HEIGHT



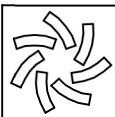

ACW
SIZE 245 SHOWN

WALL BASE
SHEET 11

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11/6/20

WALL MOUNT						LOREN COOK CO.		MANUFACTURERS OF AIR MOVING EQUIPMENT			
MAT'L		-				SPRINGFIELD, MISSOURI					
DRAWN		AGL								7/13/2017	
DESIGNER		BFS								SHEET 12 OF 12	
DO NOT SCALE DRAWING						ACRU/VCR/ACSC/ACW POWER VENTILATOR HURRICANE RATED					
TOLERANCES UNLESS OTHERWISE NOTED											
<u>DECIMAL</u> .XX = ± .063" .XXX = ± .010" .XXXX = ± .001"			<u>FRACTIONAL</u> ≤12" = ± 1/16" >12" THRU 96" = ± 1/8" >96 THRU 144" = ± 1/4" >144" = ± 3/8"								
<u>ANGULAR</u> ± 2°			(NC) = NO INSPECTION REQ'D			SIZE	DRAWING NO.		REV.		
						B	SD080717-12		G		