



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/economy](http://www.miamidade.gov/economy)

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 Aluminum Rooftop Fans**

**APPROVAL DOCUMENT:** Drawing No. SD080717-12, titled "ACRU/VCR/ACSC Power Ventilator Hurricane Rated", sheets 1 through 10 of 10, dated 09/19/2013, prepared by Loren Cook Company, signed and sealed by Bradley F. Skidmore, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**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 NOA # 12-0529.25 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]*  
 10/17/2013

NOA No. 13-0708.13  
 Expiration Date: November 13, 2018  
 Approval Date: October 24, 2013  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. SD080717-12, titled "ACRU/VCR/ACSC Power Ventilator Hurricane Rated", sheets 1 through 10 of 10, dated 09/19/2013, prepared by Loren Cook Company, signed and sealed by Bradley F. Skidmore, P.E.

**B. TESTS "Submitted under NOA # 08-0424.03"**

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  
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 03/03/2008, signed and sealed by Jeffrey T. Kaminski, P.E.

**C. CALCULATIONS "Submitted under NOA # 12-0529.25"**

1. Wind Loads and anchor calculations, prepared by Loren Cook Company, dated 05/01/2012, signed and sealed by Bradley F. Skidmore, P.E.

*"Submitted under NOA # 08-0424.03"*

2. Wind Load and Anchor verification calculations, prepared by Tom Barrow Co., complying with FBC-2004, dated 07/15/2008, signed and sealed by John D. Winslow, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Test report on 150 mph Wind Tunnel Test of a Model 180 ACRUB Aluminum Roof Fan, prepared by Walter H. Beech Memorial Wind Tunnel, dated 05/02/2007, signed and sealed by John D. Winslow, P.E.

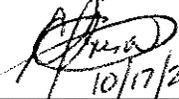
**F. STATEMENTS**

1. Statement letter of code conformance to 2010 FBC issued by Loren Cook Company, dated 06/27/2013, signed and sealed by Bradley F. Skidmore, P.E.

2. No financial interest letter issued by Loren Cook Company, dated 09/05/2012, signed and sealed by Bradley F. Skidmore, P.E. *"Submitted under NOA # 12-0529.25"*

*"Submitted under NOA # 08-0424.03"*

3. Laboratory compliance letter issued by Architectural Testing, Inc., for Test Report No. 79142.01-801-18, dated 03/04/2008, signed and sealed by Jeffrey T. Kaminski, P.E.

  
10/17/2013

Carlos M. Utrera, P.E.

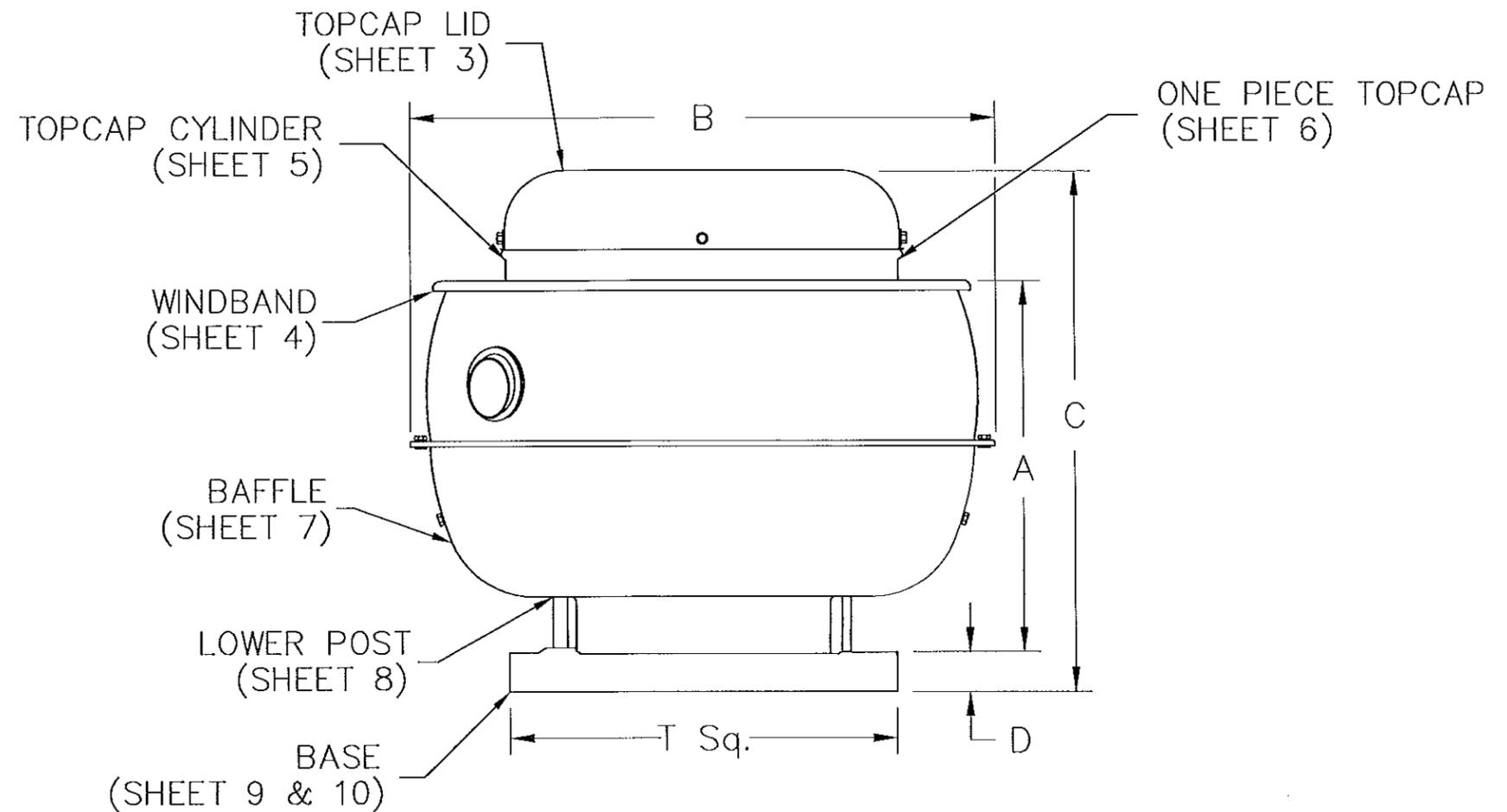
Product Control Examiner

NOA No. 13-0708.13

Expiration Date: November 13, 2018

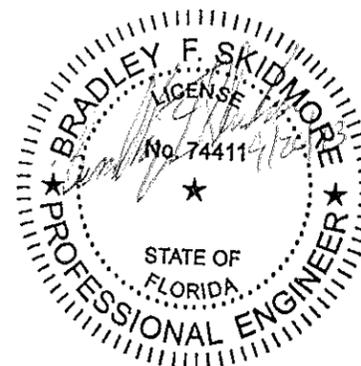
Approval Date: October 24, 2013

Size	Type	A	B	C	D	T Sq.
70	DIRECT	10-3/4	17-1/8	13-3/8	2	18
70	TALL DIRECT	10-3/4	17-1/8	14-3/8	2	18
90	DIRECT	13-1/4	21-1/8	16-3/8	2	18
90	TALL DIRECT	13-1/4	21-1/8	17-3/8	2	18
100	DIRECT	13-1/4	21-1/8	16-3/8	2	18
100	TALL DIRECT	13-1/4	21-1/8	17-3/8	2	18
60-100	BELT	12-1/2	23-9/16	21-1/8	2	18
120	BELT/DIRECT	19-1/16	28-7/16	26-7/8	2	20
135	BELT/DIRECT	19-1/16	28-7/16	27-1/4	2	20
150	BELT/DIRECT	20-15/16	32-7/8	30-1/4	2	24
	HP BELT/DIRECT	20-15/16	32-7/8	27-1/2	2	24
165	BELT/DIRECT	20-15/16	32-7/8	30-3/4	2	24
	HP BELT/DIRECT	20-15/16	32-7/8	27-3/4	2	24
	XP BELT/DIRECT	20-15/16	32-7/8	26-11/16	2	24
180	BELT/DIRECT	24-13/16	37-11/16	35-7/8	3	30
	HP BELT/DIRECT	24-13/16	37-11/16	33-3/8	3	30
	XP BELT/DIRECT	24-13/16	37-11/16	31-9/16	3	30
195	BELT	24-13/16	37-11/16	36-3/8	3	30
	HP BELT/DIRECT	24-13/16	37-11/16	33-1/2	3	30
	XP BELT/DIRECT	24-13/16	37-11/16	32-1/8	3	30
210	BELT	25-15/16	43-5/8	38-3/8	3	30
	HP BELT	25-15/16	43-5/8	35-3/8	3	30
	XP BELT	25-15/16	43-5/8	32-3/4	3	30
225	BELT	25-15/16	43-5/8	38-1/8	3	30
	HP BELT	25-15/16	43-5/8	35-1/2	3	30
	XP BELT	25-15/16	43-5/8	33-5/16	3	30
245	BELT	28-1/2	47-5/8	41-1/16	3	30
	HP BELT	28-1/2	47-5/8	37-5/16	3	30
	XP BELT	28-1/2	47-5/8	34-1/16	3	30
270	BELT	28-1/2	47-5/8	41-1/16	3	36
	HP BELT	28-1/2	47-5/8	37-5/16	3	36
	XP BELT	28-1/2	47-5/8	35	3	36
300	BELT	33-7/8	52-5/8	49-15/16	3	36
	HP BELT	33-7/8	52-5/8	45-15/16	3	36
	XP BELT	33-7/8	52-5/8	41-7/16	3	36



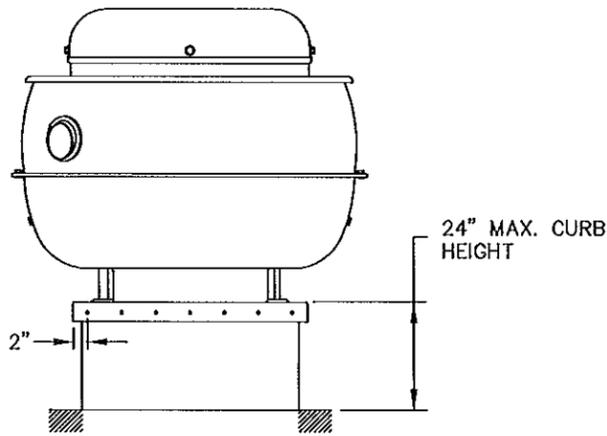
DESIGN PRESSURE: +53.0 PSF / -112.0 PSF  
IMPACT RATING: LARGE MISSILE IMPACT RESISTANT  
DESIGN TESTING AND INSTALLATION CONFORMS TO FLORIDA BUILDING CODE  
ALL DIMENSIONS IN INCHES

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 13-0708.13  
Expiration Date 11/12/2018  
By *[Signature]*  
Miami Dade Product Control

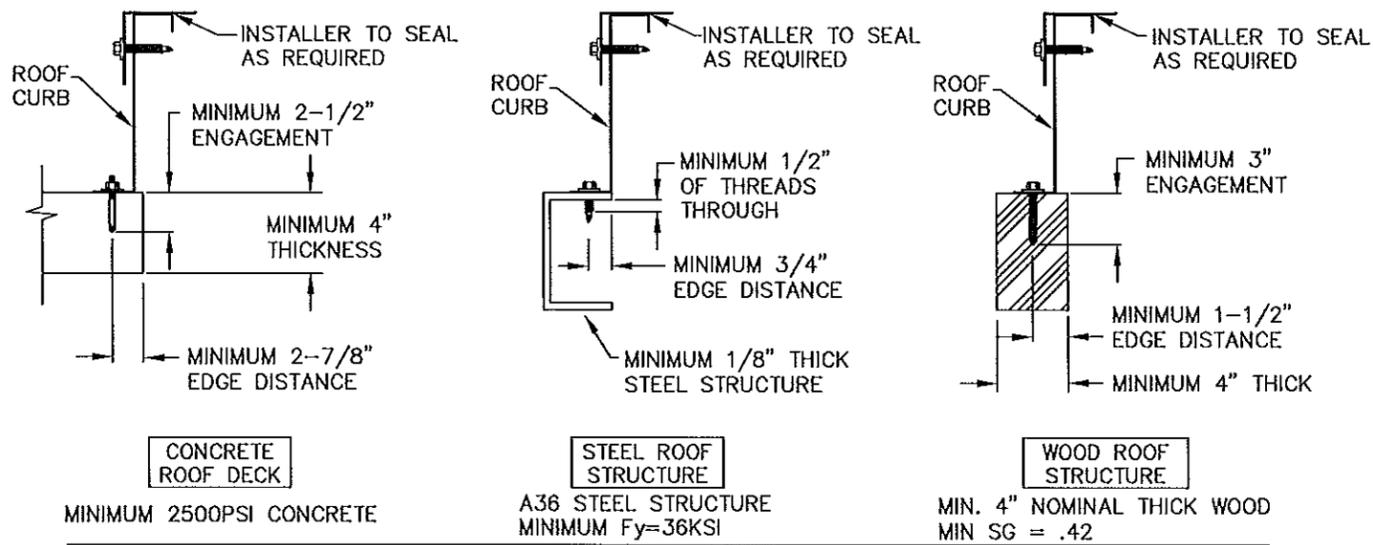


BRADLEY F. SKIDMORE P.E.  
FL PE LIC. NO. 74411

MAT'L	-		 <b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI
DRAWN	BFS	09/19/13	
DESIGNER	BFS	SHEET 1 OF 10	
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		
SIZE	DRAWING NO.		REV.
B	SD080717-12		C



ATTACHMENT OF CURB TO ROOF STRUCTURE

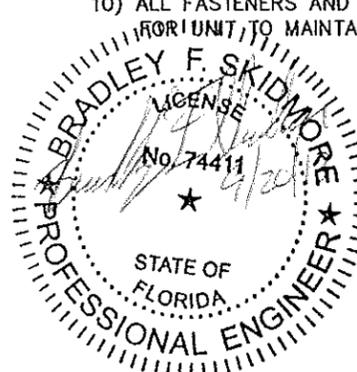


NOTES:

- 1) ACRU/VCR 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
- 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 6061-T6 ALUMINUM OR G-90 GALVANIZED STEEL OR STAINLESS STEEL. THE CURB MATERIAL THICKNESS SHALL BE 18 GA (.0470") OR GREATER. THE CURB HEIGHT SHALL NOT EXCEED 24".
- 6) THE ACRU/VCR POWER VENTILATOR SHALL BE ATTACHED TO THE CURB WITH ONE OF THE FOLLOWING METHODS INSTALLED ON ALL FOUR SIDES OF THE CURB CAP. 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.

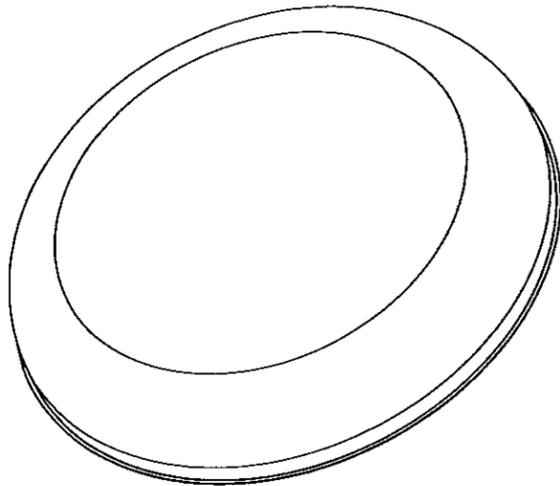
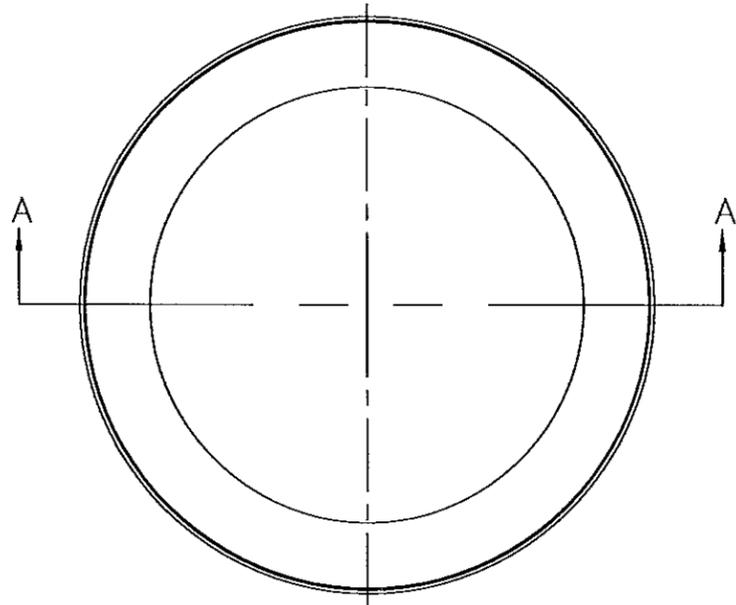
FASTENER TABLE		
UNIT SIZE	MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH UNIT TO CURB	MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO ROOF STRUCTURE
60	5	5
70	5	5
80	5	5
90	5	5
100	5	5
120	5	6
135	5	6
150	6	7
165	6	7
180	8	8
195	8	8
210	8	9
225	8	9
245	8	10
270	9	10
300	9	14

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 13-0708.13  
 Expiration Date 11/13/2018  
 By *[Signature]*  
 Miami Dade Product Control

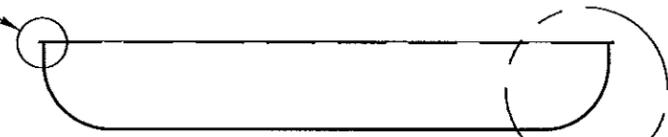


BRADLEY F. SKIDMORE P.E.  
 FL PE LIC. NO. 74411

MAT'L	-		<b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI
DRAWN	BFS	09/19/13	
DESIGNER	BFS	SHEET 2 OF 10	
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		
SIZE	DRAWING NO.	REV.	
B	SD080717-12	C	



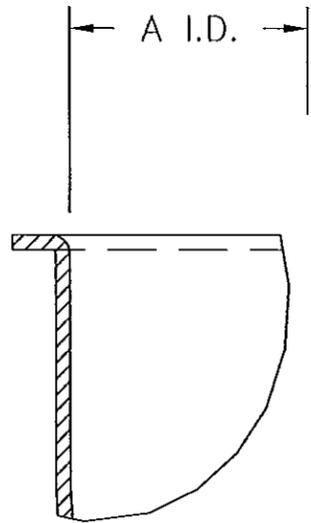
SEE DETAIL B



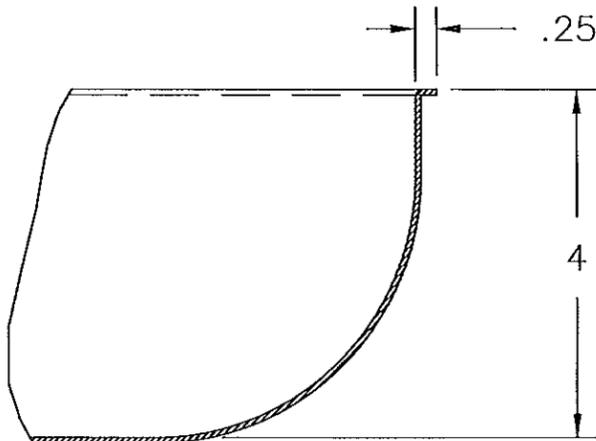
SECTION A-A

SEE DETAIL A

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
60-100	16-19/32	0.050
UNIT	A	MATERIAL
SIZE	DIM	THICKNESS

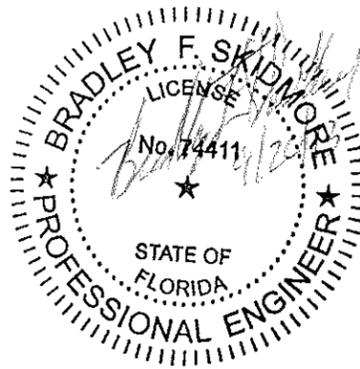


DETAIL B  
SCALE 2.0



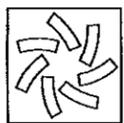
DETAIL A  
SCALE 0.750

PRODUCT RENEWED  
as complying with the Florida  
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Acceptance No 13-0708.13  
Expiration Date 11/13/2018  
By *[Signature]*  
Miami Dade Product Control



BRADLEY F. SKIDMORE P.E.  
FL PE LIC. NO. 74411

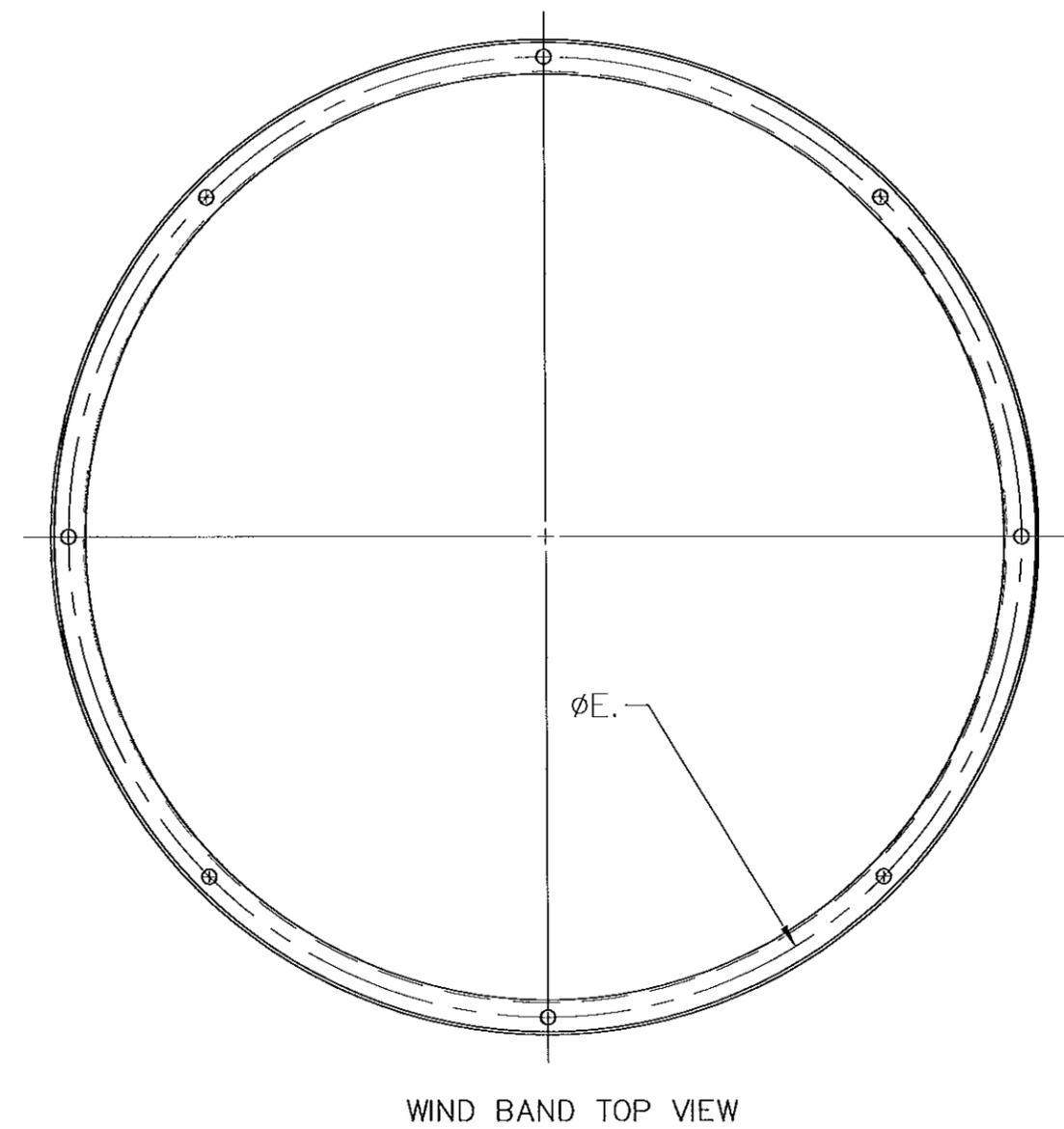
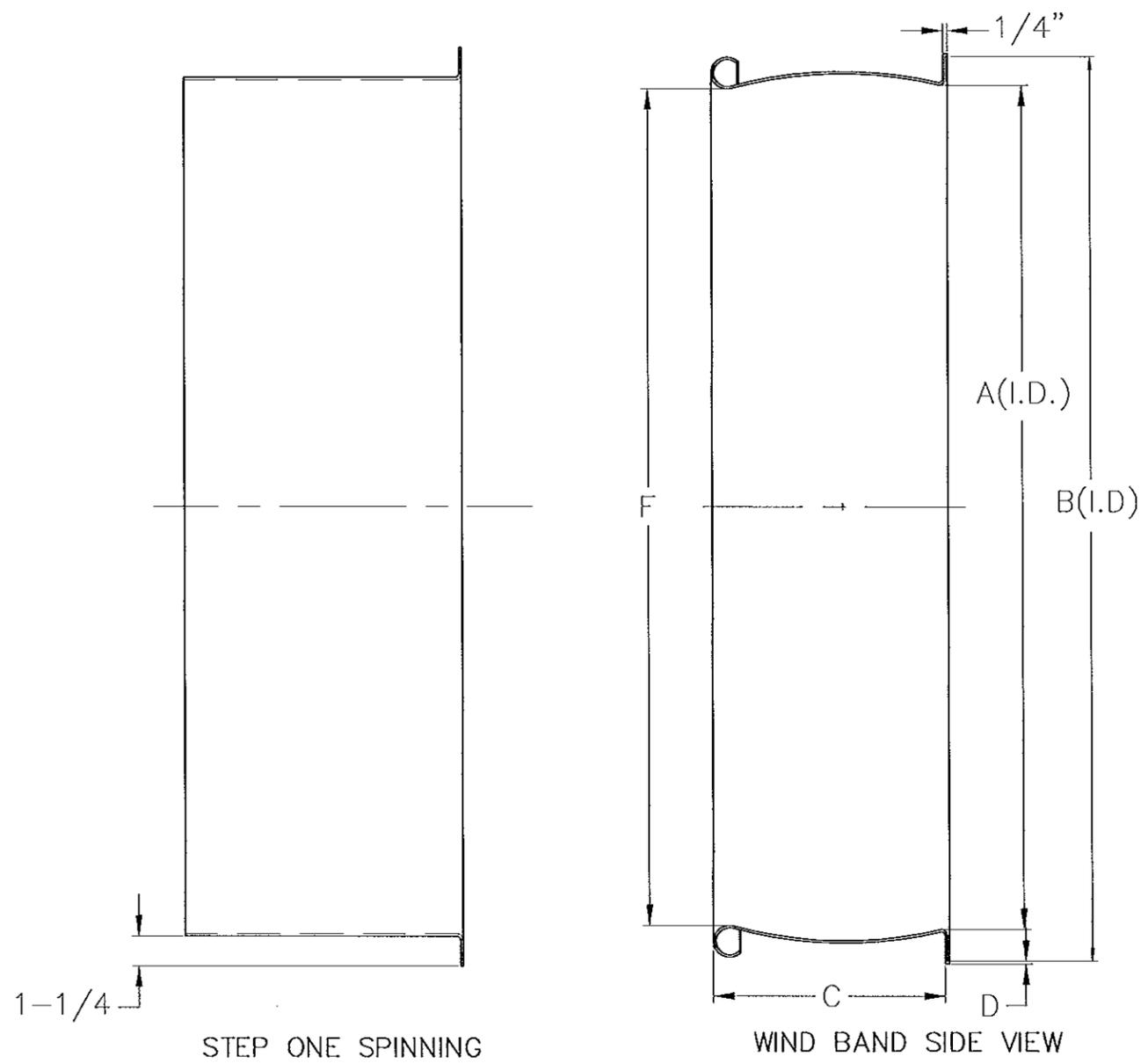
MAT'L	3003 H14 ALUM .05 THICK	
DRAWN	BFS	09/19/13
DESIGNER	BFS	SHEET 3 OF 10
DO NOT SCALE DRAWING		
TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2'	(NC)=NO INSPECTION REQ'D	



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

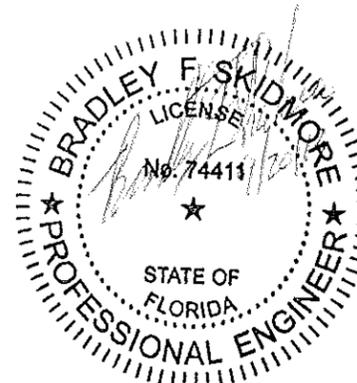
ACRU/VCR/ACSC  
POWER VENTILATOR  
HURRICANE RATED

SIZE	DRAWING NO.	REV.
B	SD080717-12	C



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

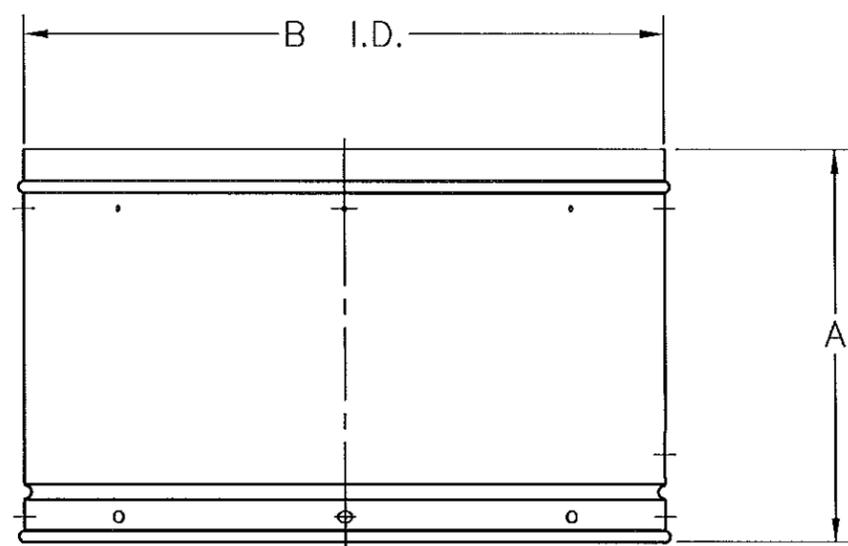
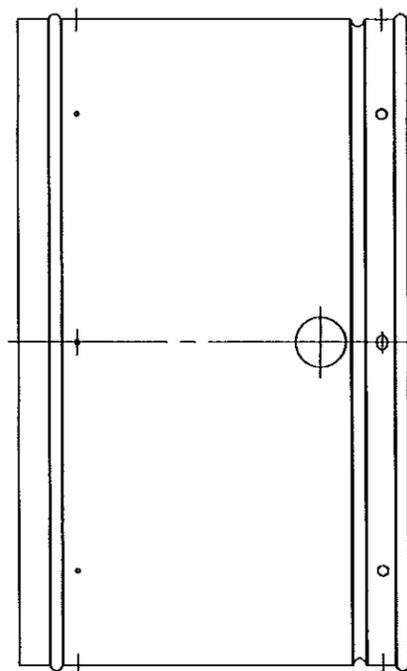
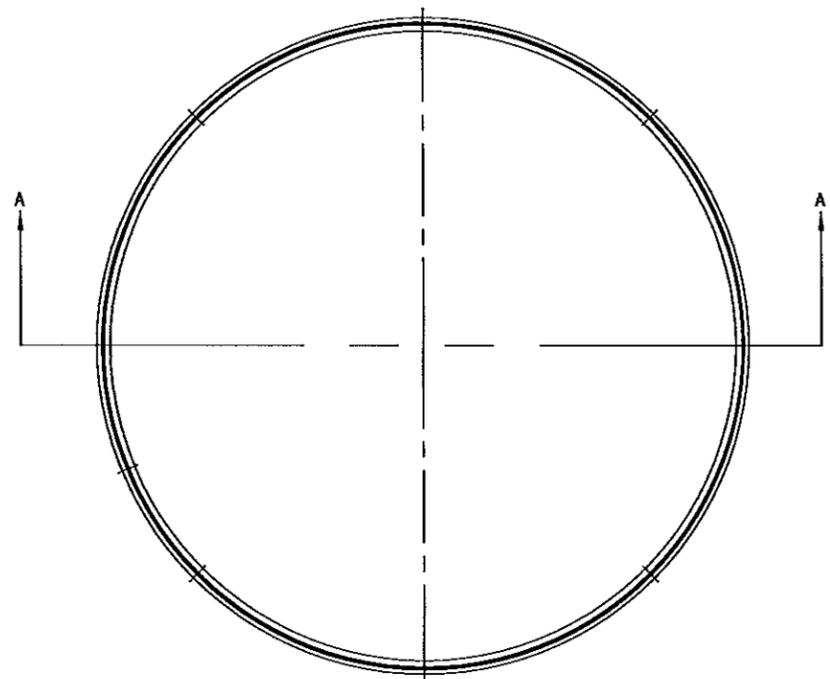
PRODUCT RENEWED  
 as complying with the Florida  
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BRADLEY F. SKIDMORE P.E.  
 FL PE LIC. NO. 74411

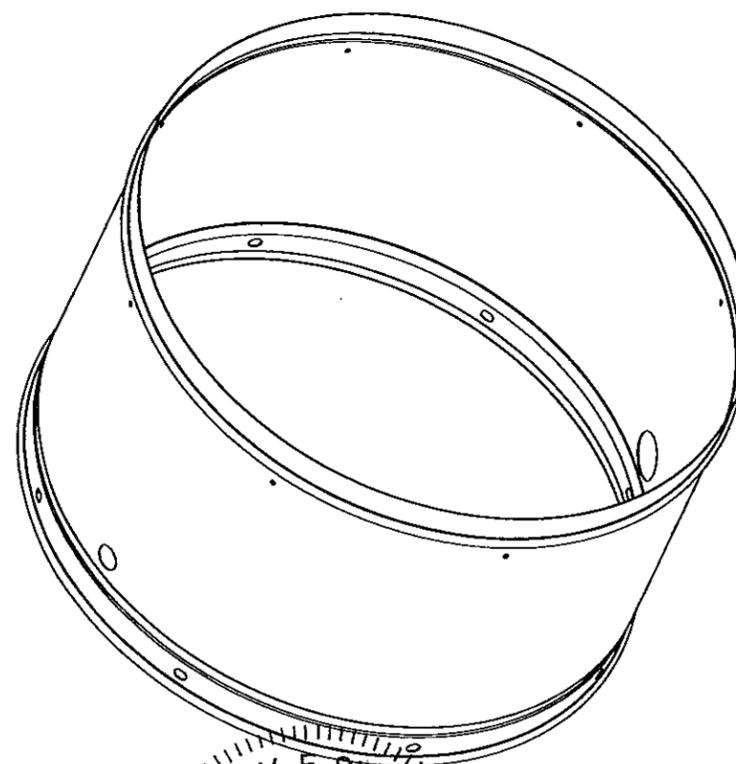
MAT'L	D THICK 1100-0 ALUM	
DRAWN	BFS	09/19/13
DESIGNER	BFS	SHEET 4 OF 10
DO NOT SCALE DRAWING		
TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2'	(NC)=NO INSPECTION REQ'D	

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

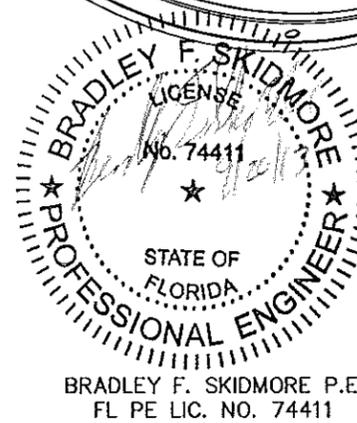


SECTION A-A

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
60-100 BELT	8-1/2	16-13/32	0.040
UNIT	A	B	THICKNESS
SIZE	DIM	DIM	MATERIAL



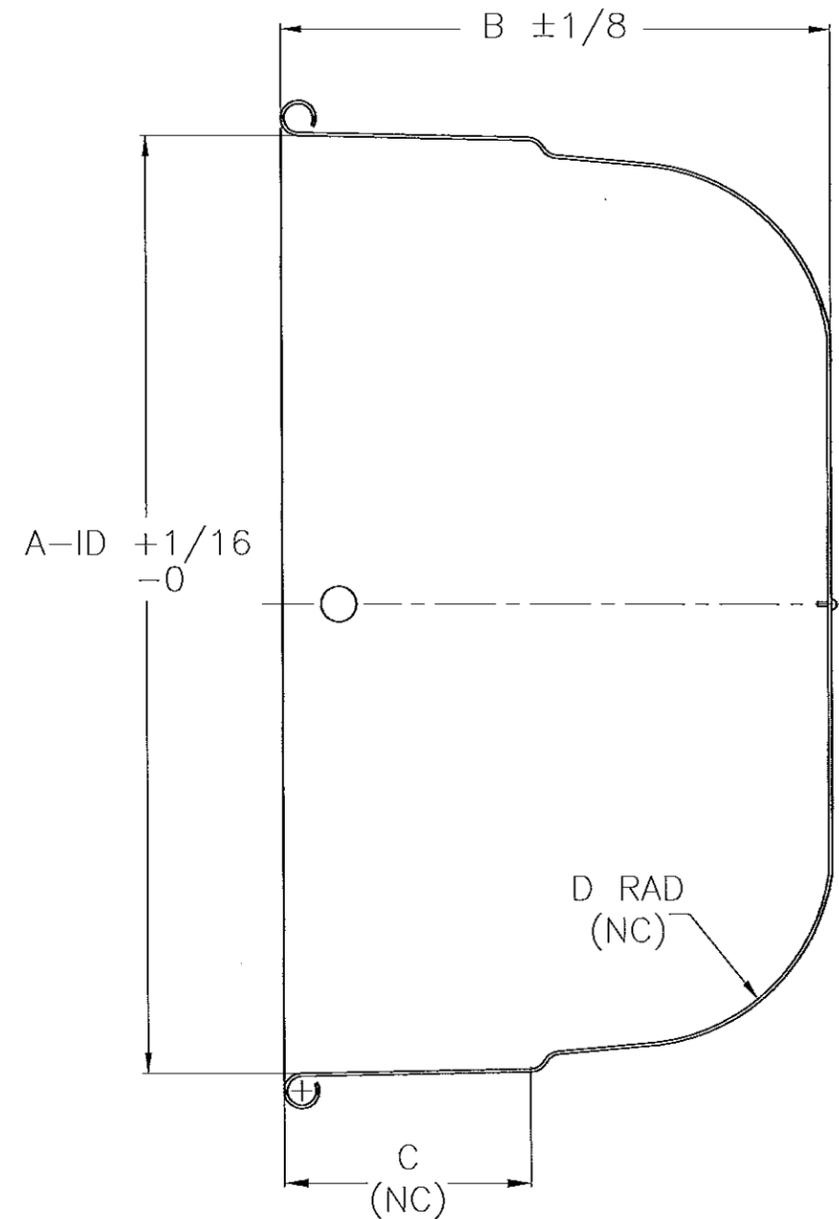
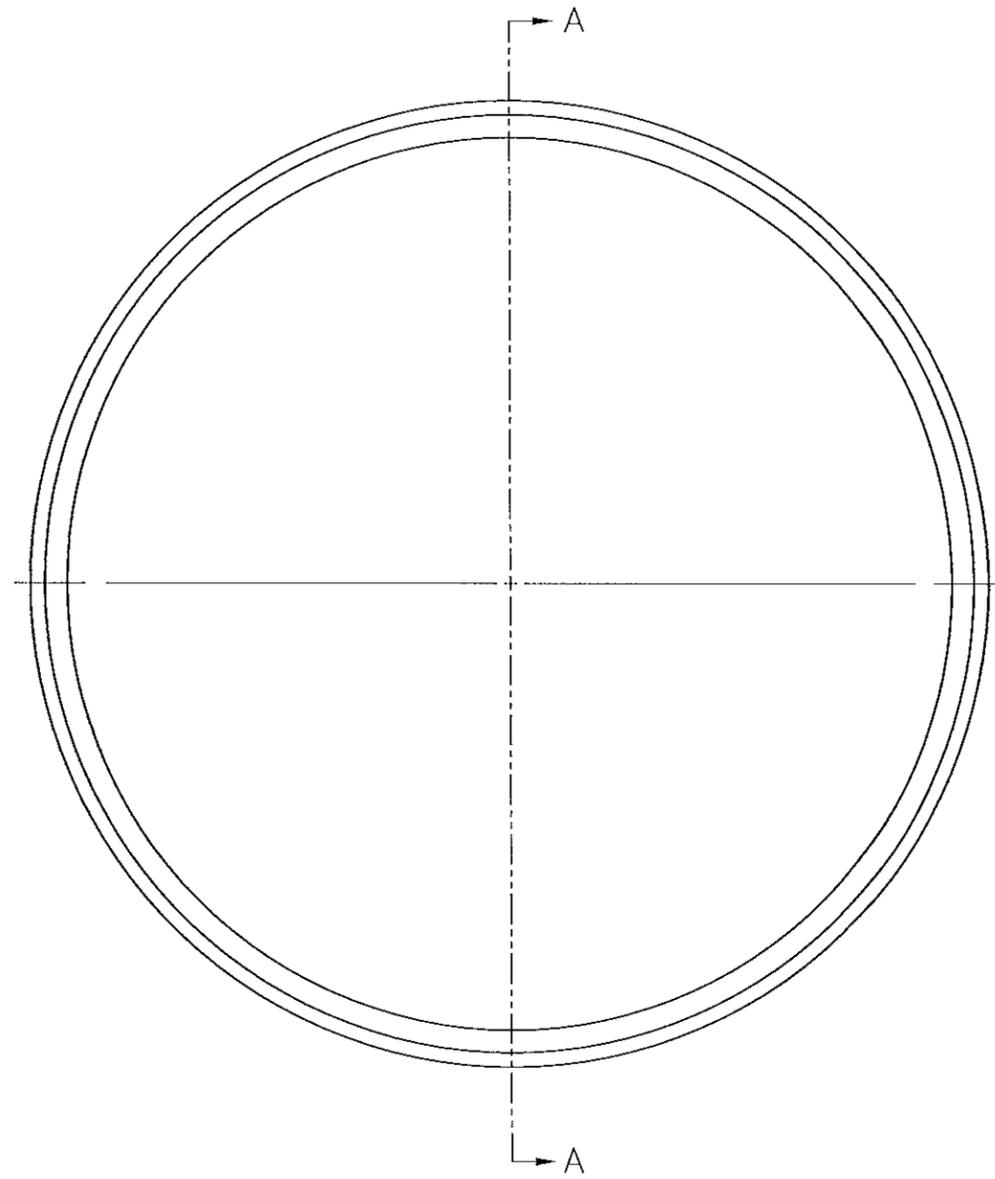
PRODUCT RENEWED  
 as complying with the Florida  
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 By *[Signature]*  
 Miami Dade Product Control



MAT'L	SEE TABLE	
DRAWN	BFS	09/19/13
DESIGNER	BFS	SHEET 5 OF 10
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

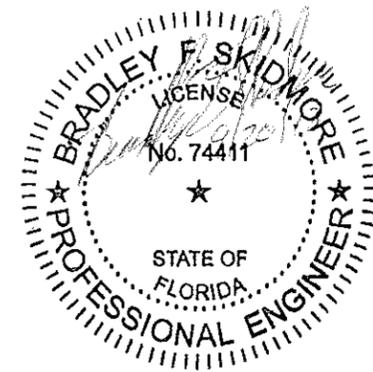
ACRU/VCR/ACSC POWER VENTILATOR HURRICANE RATED		
SIZE	DRAWING NO.	REV.
B	SD080717-12	C



SECTION A-A

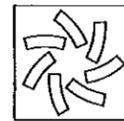
90-100 EXTRA DEEP	13-7/16	10	3-9/16	2-7/16
90-100	13-7/16	7-3/4	3-9/16	2-7/16
70 EXTRA DEEP	10-5/8	7-1/2	3-1/4	1-7/8
70	10-5/8	6-1/2	3-1/4	1-7/8
UNIT	A	B	C	D
SIZE	DIM	DIM	DIM	DIM
DIRECT DRIVE				

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No 13-0708.13  
 Expiration Date 11/13/2018  
 By *[Signature]*  
 Miami Dade Product Control



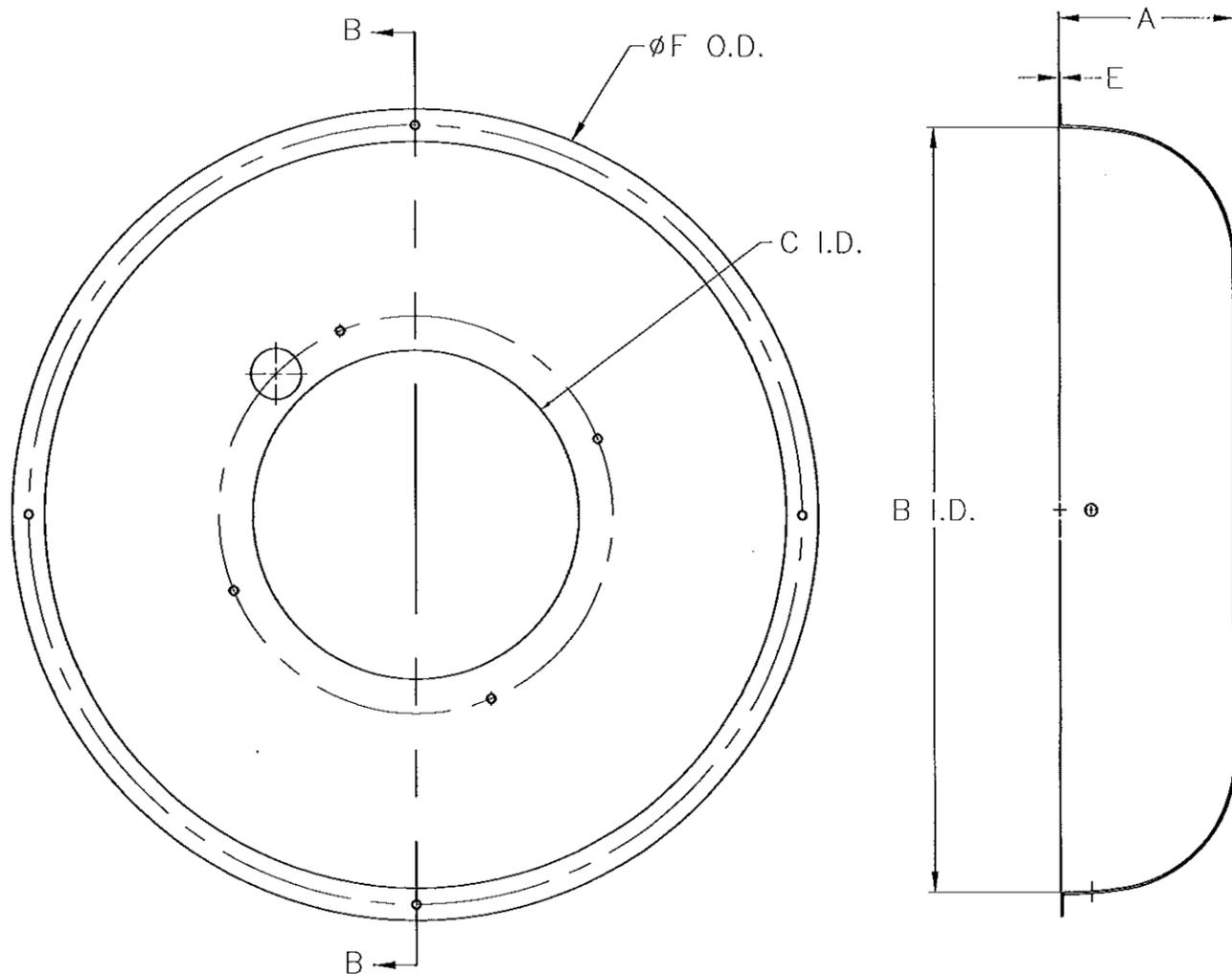
BRADLEY F. SKIDMORE P.E.  
 FL PE LIC. NO. 74411

MAT'L	1100-0 ALUM .064 THICK	
DRAWN	BFS	09/19/13
DESIGNER	BFS	SHEET 6 OF 10
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	



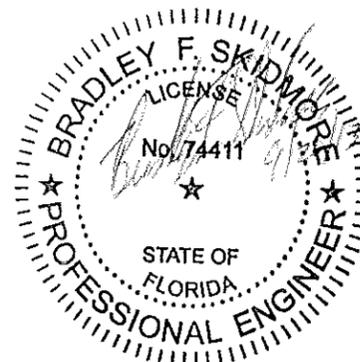
**LOREN COOK CO.**  
 MANUFACTURERS OF AIR MOVING EQUIPMENT  
 SPRINGFIELD, MISSOURI

ACRU/VCR/ACSC POWER VENTILATOR HURRICANE RATED		
SIZE	DRAWING NO.	REV.
B	SD080717-12	C



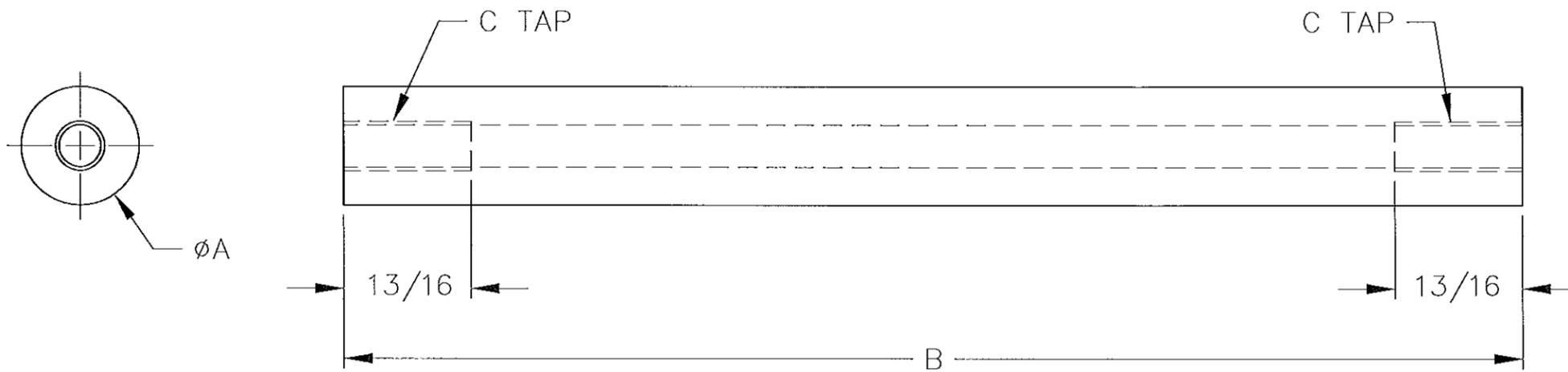
300	14-3/4	52	31-3/8	19-13/16	0.080	54
270	12-1/4	47	28-3/8	15-11/32	0.080	49
245	12-1/4	47	25-7/8	15-11/32	0.080	49
210-225	11	43	23-3/8	14-5/16	0.080	45
180-195	10-3/8	37-1/4	19-3/8	12-1/2	0.080	39-1/4
150-165	9-1/2	32-1/2	15-7/8	10-9/16	0.064	34-1/2
120-135	8-1/4	28	12-7/8	8-3/4	0.064	30
100	5-7/16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

PRODUCT RENEWED  
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 Expiration Date 11/13/2018  
 By *[Signature]*  
 Miami Dade Product Control



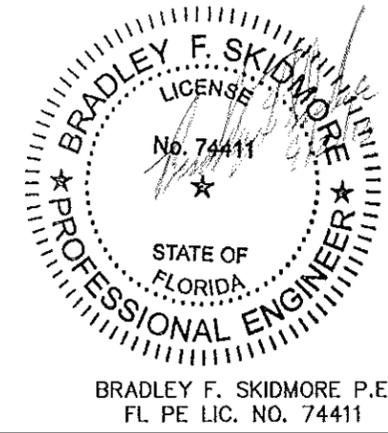
BRADLEY F. SKIDMORE P.E.  
 FL PE LIC. NO. 74411

MAT'L	3003-0 ALUM "E" THICK			LOREN COOK CO.	
DRAWN	BFS	09/19/13		MANUFACTURERS OF AIR MOVING EQUIPMENT	
DESIGNER	BFS	SHEET 7 OF 10	SPRINGFIELD, MISSOURI		
DO NOT SCALE DRAWING					
TOLERANCES UNLESS OTHERWISE NOTED					
DECIMAL	FRACTIONAL		ACRU/VCR/ACSC POWER VENTILATOR HURRICANE RATED		
.XX=±.063"	≤12"=±1/16"				
.XXX=±.010"	>12" THRU 96"=±1/8"		SIZE	DRAWING NO.	REV.
.XXX=±.001"	>96" THRU 144"=±1/4"		B	SD080717-12	C
ANGULAR	>144"=±3/8"				
±2'	(NC)=NO INSPECTION REQ'D				



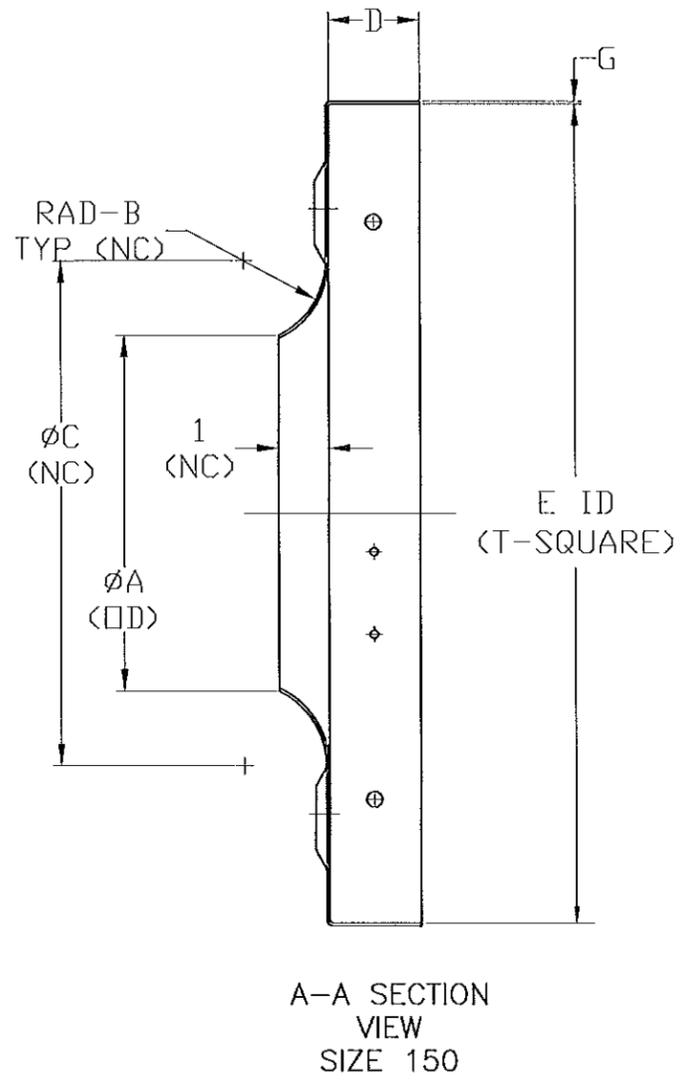
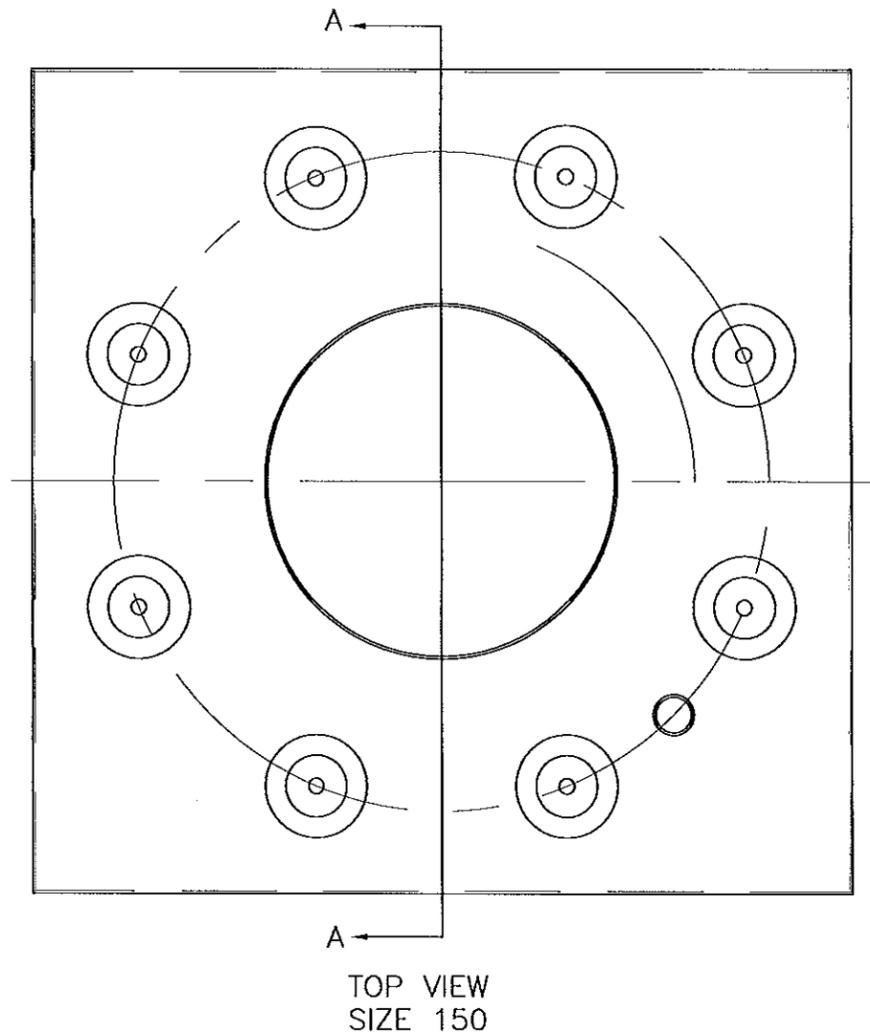
300	1	7	3/8-16	LOWER	8
270	1	6 1/8	3/8-16	LOWER	8
245	1	6 1/8	3/8-16	LOWER	4
225	3/4	4 7/8	5/16-18	LOWER	4
210	3/4	4 7/8	5/16-18	LOWER	4
195	3/4	4 1/2	5/16-18	LOWER	4
180	3/4	4 1/2	5/16-18	LOWER	4
165	3/4	3 1/8	5/16-18	LOWER	4
150	3/4	3 1/8	5/16-18	LOWER	4
135	3/4	2 1/4	5/16-18	LOWER	4
120	3/4	2 1/4	5/16-18	LOWER	4
60-100	3/4	2 1/2	5/16-18	LOWER	4
UNIT	A	B	C	POST	POST
SIZE	DIM	DIM	DIM	LOCATION	QUANTITY
ACE-B					

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 13-0708.13  
 Expiration Date 11/13/2018  
 By *[Signature]*  
 Miami Dade Product Control



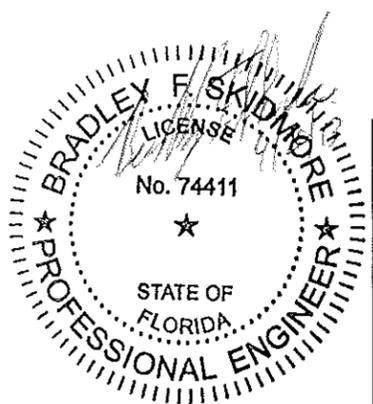
MAT'L	øA 6005-T6 OR 6105-T5	
DRAWN	BFS	09/19/13
DESIGNER	BFS	SHEET 8 OF 10
DO NOT SCALE DRAWING		
TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2'	(NC)=NO INSPECTION REQ'D	

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



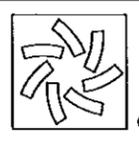
225	17-1/4	3-1/2	22	3	30	.080
210	16-1/2	3-1/2	20-15/16	3	30	.080
195	14-1/8	3	19	3	30	.080
180	13-1/2	1-1/2	16-1/2	3	30	.080
165	11-7/8	2-1/2	16	2	24	.064
150	10-3/4	2-1/2	15	2	24	.064
135	9-3/8	2	13	2	20	.064
120	8-9/16	2	12	2	20	.064
UNIT	A	B	C	D	E	F
SIZE	DIM	DIM	DIM	DIM	DIM	DIM

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 13-0700-13  
Expiration Date 11/13/2018  
By *[Signature]*  
Miami Dade Product Control



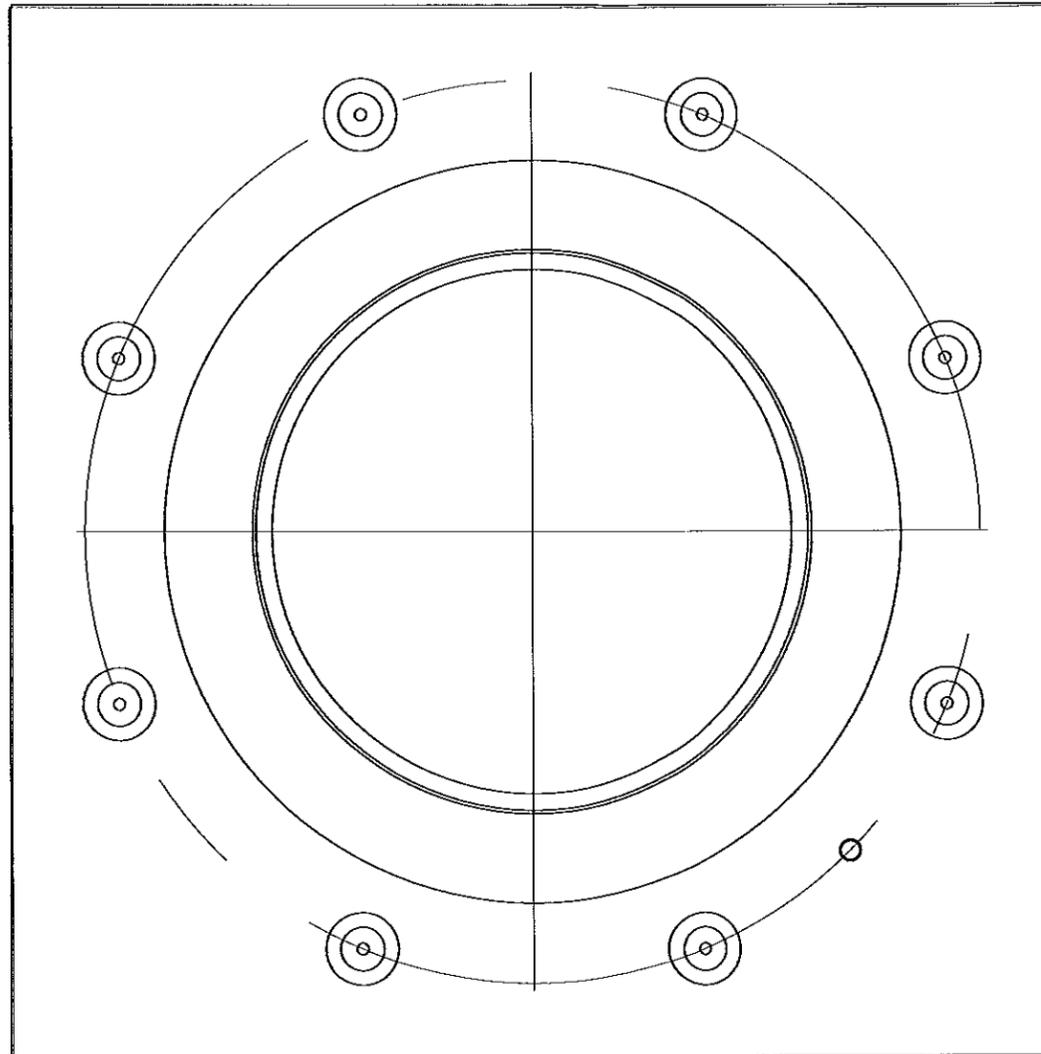
BRADLEY F. SKIDMORE P.E.  
FL PE LIC. NO. 74411

MAT'L	3003-H14 ALUM. "F" GA.	
DRAWN	BFS	09/19/13
DESIGNER	BFS	SHEET 9 OF 10
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	

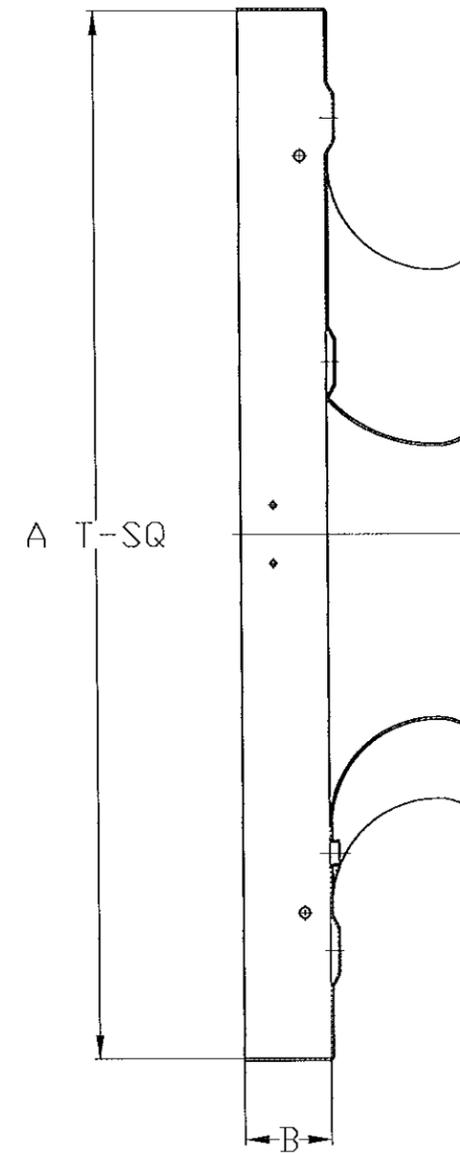


**LOREN COOK CO.**  
MANUFACTURERS OF AIR MOVING EQUIPMENT  
SPRINGFIELD, MISSOURI

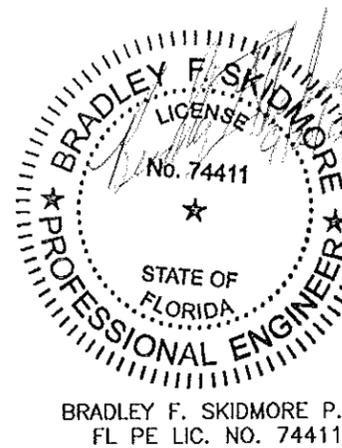
ACRU/VCR/ACSC POWER VENTILATOR HURRICANE RATED		
SIZE	DRAWING NO.	REV.
B	SD080717-12	C



FORM VIEW  
SIZE 270 SHOWN

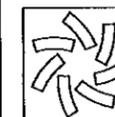


300	36	3	.080
270	36	3	.080
245	30	3	.080
UNIT	A	B	C
SIZE	T-SQUARE	DIM	DIM



BRADLEY F. SKIDMORE P.E.  
FL PE LIC. NO. 74411

MAT'L	3003-H14 AL. "C" THICK	
DRAWN	BFS	9/19/13
DESIGNER	BFS	SHEET 10 OF 10
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  
POWER VENTILATOR  
HURRICANE RATED

SIZE	DRAWING NO.	REV.
B	SD080171-12	C

PRODUCT RENEWED  
as complying with the Florida  
Building Code  
Acceptance No 13-0708.13  
Expiration Date 11/13/2018  
By *[Signature]*  
Miami Dade Product Control