



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: Series ACE Aluminum Rooftop Fans**

**APPROVAL DOCUMENT:** Drawing No. **SD080717-11**, titled "ACE Power Ventilator Hurricane Rated", sheets 1 through 11 of 11, dated 05/05/2014, prepared by Loren Cook Company, signed and sealed by Bradley F. Skidmore, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

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

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

**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 # 13-0708.12 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



*[Handwritten Signature]*  
 10/25/2015

NOA No. 14-1218.05  
 Expiration Date: October 2, 2018  
 Approval Date: March 5, 2015  
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Drawing No. **SD080717-11**, titled "ACE Power Ventilator Hurricane Rated", sheets 1 through 11 of 11, dated 05/05/2014, prepared by Loren Cook Company, signed and sealed by Bradley F. Skidmore, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Large Missile Impact Test per FBC, TAS 201-94  
along with marked-up drawings and installation diagram of Models ACE 195 and ACE 300 Rooftop Ventilators, prepared by Intertek-Architectural Testing, Inc., Test Report No. **D7025.01-801-18**, dated 08/11/2014, signed and sealed by Shawn G. Collins, P.E.

*"Submitted under NOA # 08-0424.03"*

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  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of Model ACE B, metal roof vent, prepared by Architectural Testing, Inc., Test Report No. **78029.01-801-18**, dated 03/03/2008, signed and sealed by Jeffrey T. Kaminski, P.E.

**C. CALCULATIONS**

1. Wind Loads and anchor calculations, prepared by Loren Cook Company, dated 05/05/2014, signed and sealed by Bradley F. Skidmore, P.E.

*"Submitted under NOA # 12-0529.24"*

2. 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"*

3. Wind Loads and anchor calculations, prepared by Tom Barrow Co., complying with FBC-2004, dated 07/17/2008, signed and sealed by John D. Winslow, P.E.

  
102/25/2015

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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 14-1218.05  
Expiration Date: October 2, 2018  
Approval Date: March 5, 2015

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

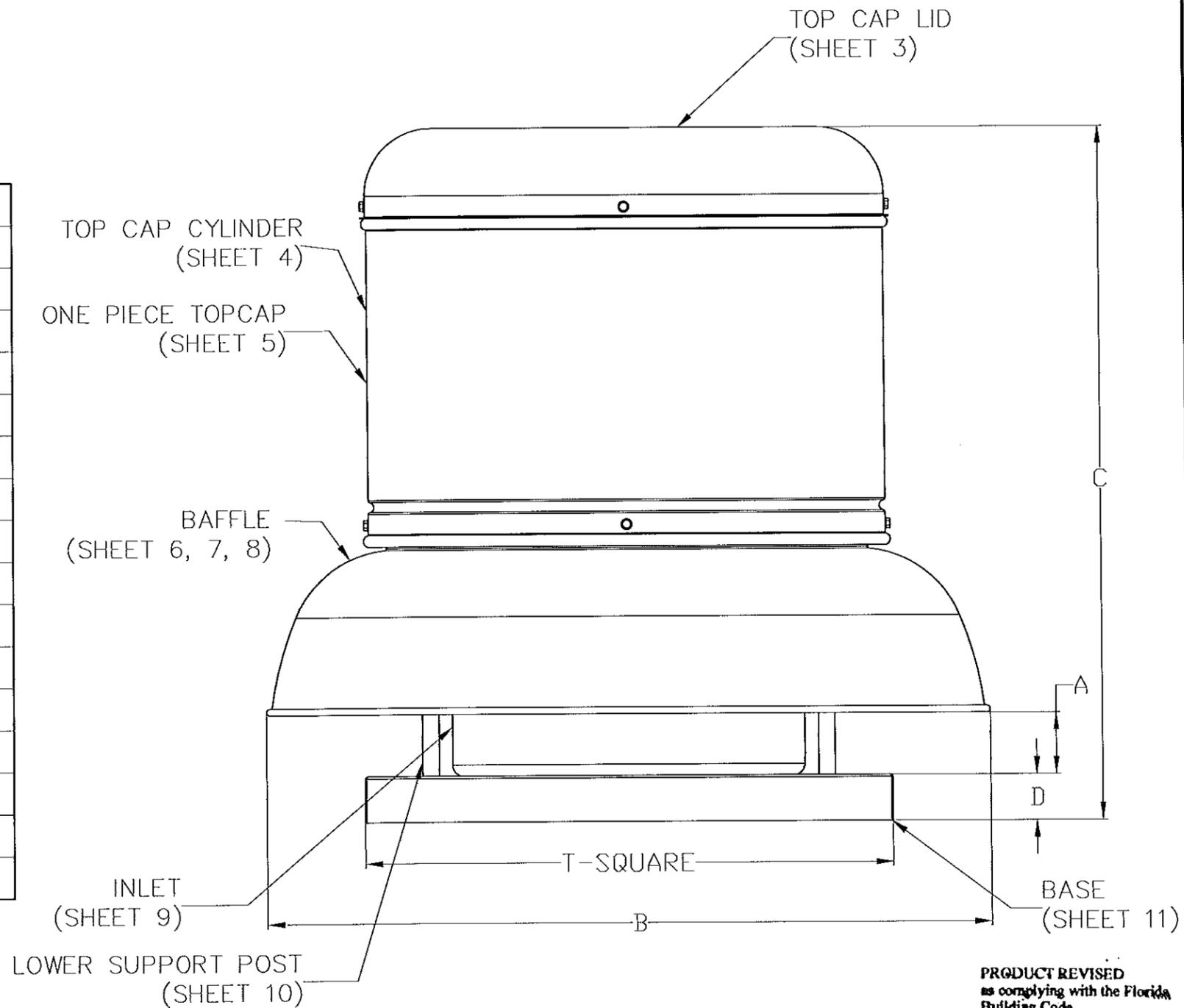
1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC issued by Loren Cook Company, dated 12/10/2014, signed and sealed by Bradley F. Skidmore, P.E.
2. No financial interest letter issued by Loren Cook Company, dated 12/10/2014, signed and sealed by Bradley F. Skidmore, P.E.

  
02/25/2015

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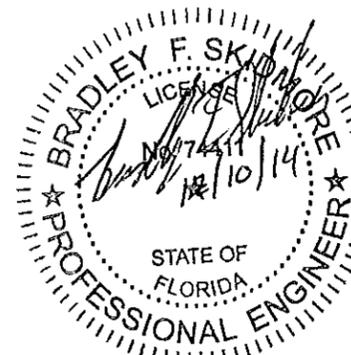
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 14-1218.05  
Expiration Date: October 2, 2018  
Approval Date: March 5, 2015

300	BELT	6-15/16	52-1/2	48-3/4	3	36	270
270	BELT	6-1/8	47-1/2	40-1/16	3	36	230
245	BELT	5-11/16	47-1/2	39-5/8	3	30	210
225	BELT	4-3/4	43-7/16	37-1/16	3	30	190
210	BELT	4-3/4	43-7/16	37-1/16	3	30	170
195	BELT	4-5/8	37-13/16	34-15/16	3	30	130
180	BELT/DIRECT	4-3/8	37-13/16	34-11/16	3	30	120
165	BELT/DIRECT	3-7/8	32-15/16	29-7/16	2	24	100
150	BELT/DIRECT	3-1/2	32-15/16	29-1/16	2	24	95
135	BELT/DIRECT	2-7/16	28-7/16	27-1/4	2	20	80
120	BELT/DIRECT	2-1/8	28-7/16	26-15/16	2	20	75
60-100	BELT	2-7/8	23-9/16	21-1/8	2	18	50
100	DIRECT	2-1/2	18-3/4	16-13/16	2	18	30
90	DIRECT	2-1/2	18-3/4	16-13/16	2	18	28
70	DIRECT	1-3/4	13-5/8	13-13/16	2	18	20
UNIT	DRIVE	DIM	DIM	DIM	DIM	T	NOMINAL
SIZE	TYPE	A	B	C	D	SQUARE	WEIGHT



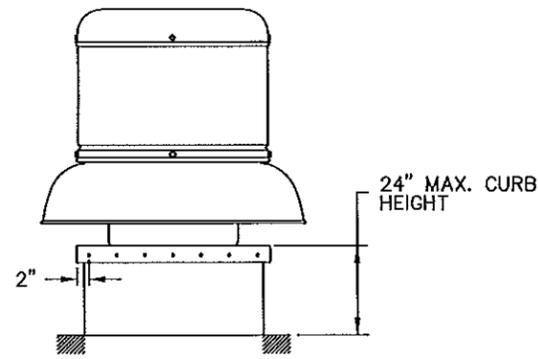
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 14-1218.05  
 Expiration Date 10/2/2018  
 By *[Signature]*  
 Miami Dade Product Control

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

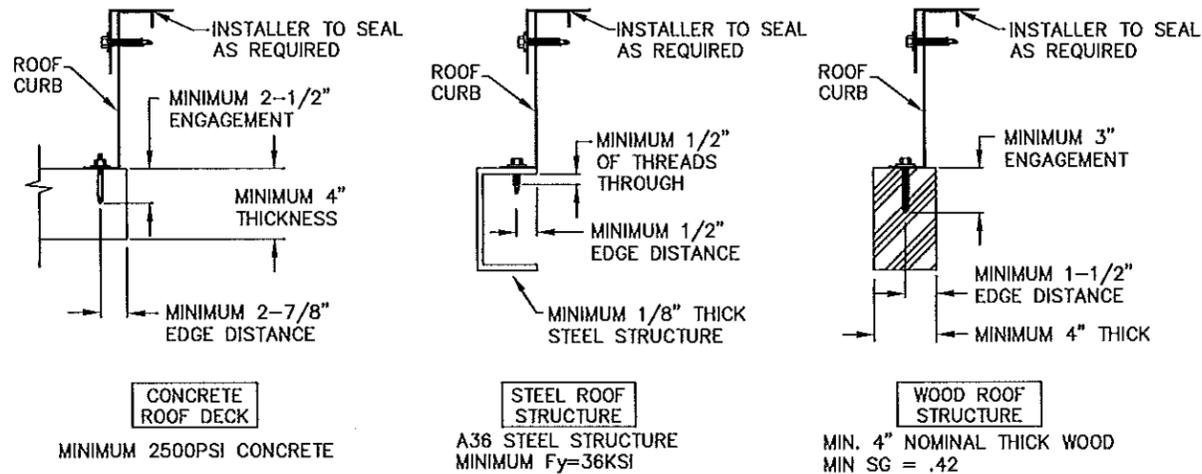


BRADLEY F. SKIDMORE P.E.  
 FL PE LIC. NO. 74411

MAT'L	-	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 1 OF 11
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		
ACE POWER VENTILATOR HURRICANE RATED		
SIZE	DRAWING NO.	REV.
B	SD080717-11	D



ATTACHMENT OF CURB TO ROOF STRUCTURE



NOTES:

- 1) ACE POWER VENTILATOR AS REFERRED TO HEREIN REFERS TO ALL LOREN COOK MODEL ACE POWER VENTILATORS INCLUDING BOTH DIRECT DRIVE AND BELT DRIVE UNITS WHICH ARE CONSTRUCTED WITH THE SAME OUTER HOUSING COMPONENTS.
- 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". ANCHORS ARE TO BE EQUALLY SPACED. 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, AND SCREW SHALL PASS THROUGH STEEL STRUCTURE AT LEAST 1/2". THE SCREW MUST BE AT LEAST 1/2" FROM MATERIAL EDGE. 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.

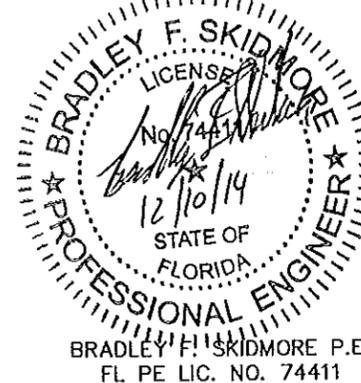
- 5) THE CURB SHALL BE CONSTRUCTED OF 6061-T6 ALUMINUM OR G-90 GALVANIZED STEEL OR STAINLESS STEEL. THE CURB MATERIAL THICKNESS SHALL BE 18 GA (.0470") OR GREATER. THE CURB HEIGHT SHALL NOT EXCEED 24".
- 6) THE ACE POWER VENTILATOR SHALL BE ATTACHED TO THE CURB WITH ONE OF THE FOLLOWING METHODS INSTALLED 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 4" OR LESS. THE QUANTITY OF FASTENERS INTO EACH CURB SIDE 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.

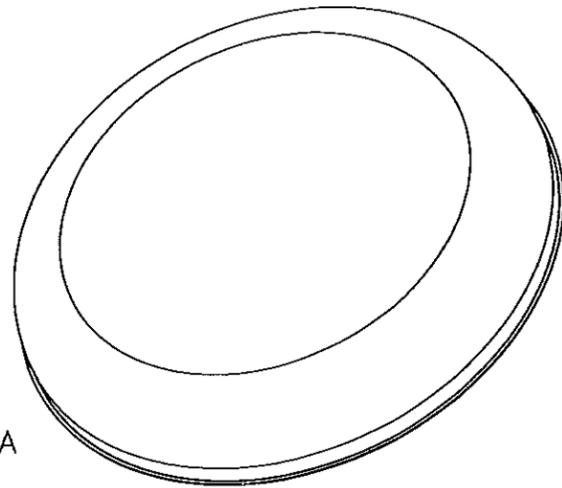
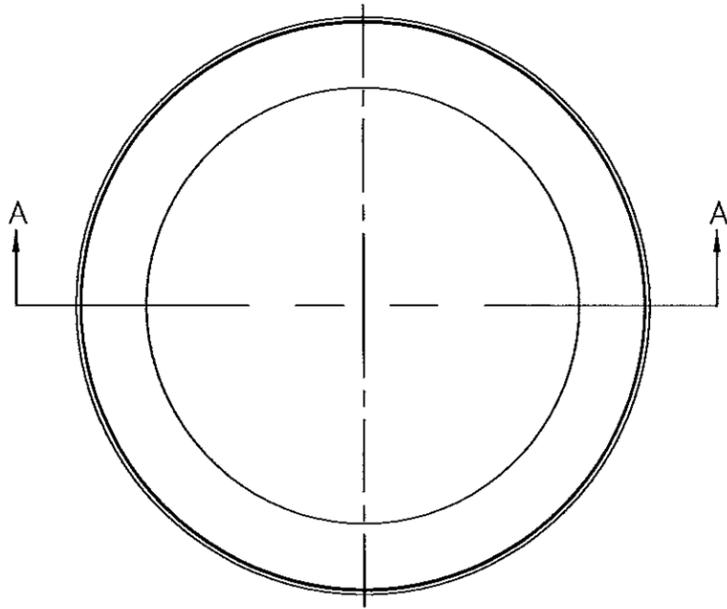
- 7) ALL FASTENERS ARE TO BE HIGH QUALITY CORROSION RESISTANT STEEL OR STAINLESS STEEL.
- 8) ANY GAP BETWEEN THE CURB AND CURB CAP SHALL BE FILLED BY THE INSTALLING CONTRACTOR WITH A SUITABLE CORROSION RESISTANT MATERIAL THAT ALLOWS THE FASTENERS TO BE INSTALLED WITHOUT CAUSING EXCESSIVE DISTORTION OF 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

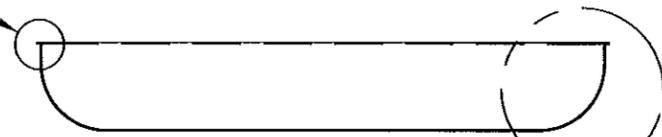
PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No 14-1216.05  
 Expiration Date 10/21/2018  
 By [Signature]  
 Miami Dade Product Control



MAT'L	-		 <b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI						
DRAWN	BFS	05/05/14							
DESIGNER	BFS	SHEET 2 OF 11	<b>ACE POWER VENTILATOR</b> <b>HURRICANE RATED</b>						
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED									
DECIMAL	FRACTIONAL		<table border="1"> <tr> <th>SIZE</th> <th>DRAWING NO.</th> <th>REV.</th> </tr> <tr> <td>B</td> <td>SD080717-11</td> <td>D</td> </tr> </table>	SIZE	DRAWING NO.	REV.	B	SD080717-11	D
SIZE	DRAWING NO.	REV.							
B	SD080717-11	D							
.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								



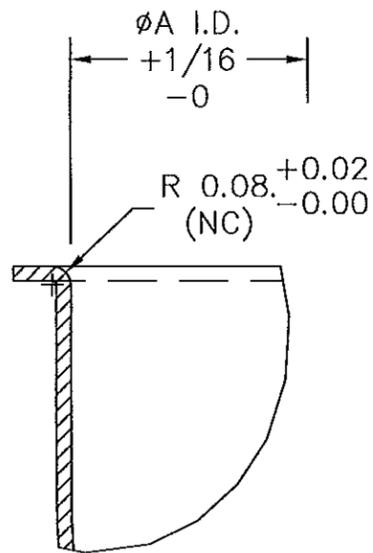
SEE DETAIL B



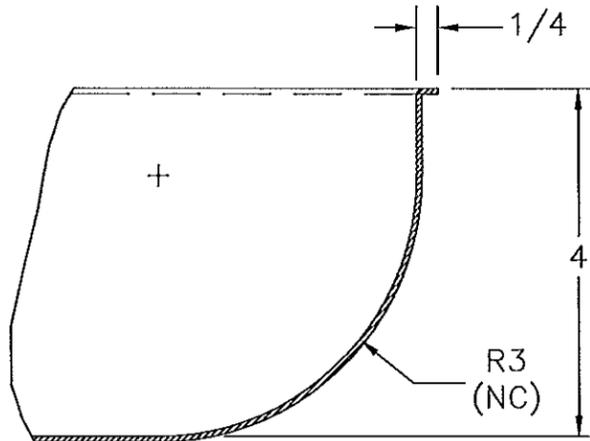
SECTION A-A

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

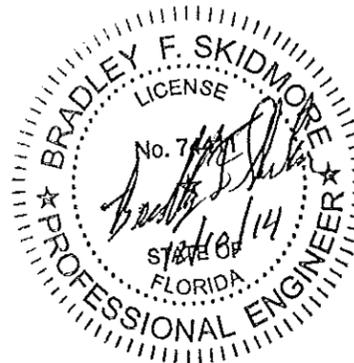


DETAIL B  
SCALE 2.0



DETAIL A  
SCALE 0.750

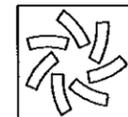
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 14-1218-05  
Expiration Date 10/04/2018  
By *[Signature]*  
Miami Dade Product Control



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

ALUMINUM: SY MIN=17KSI

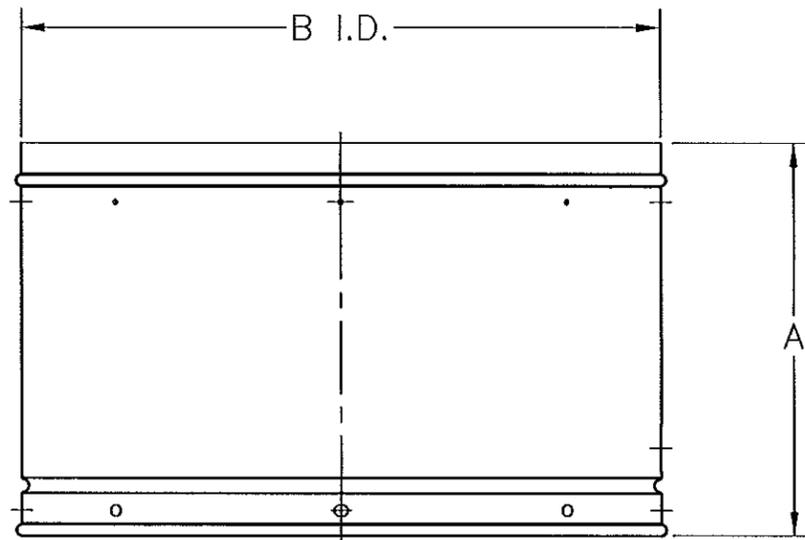
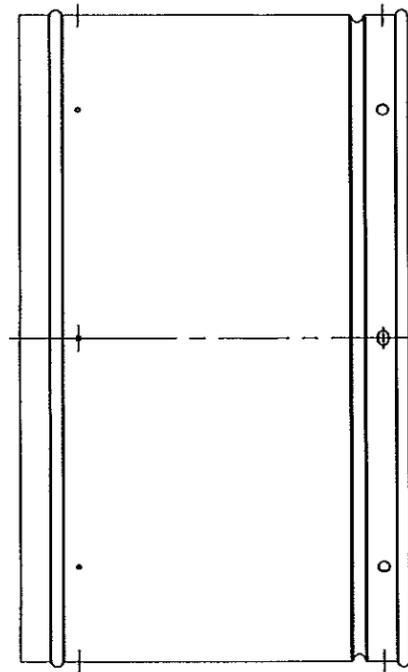
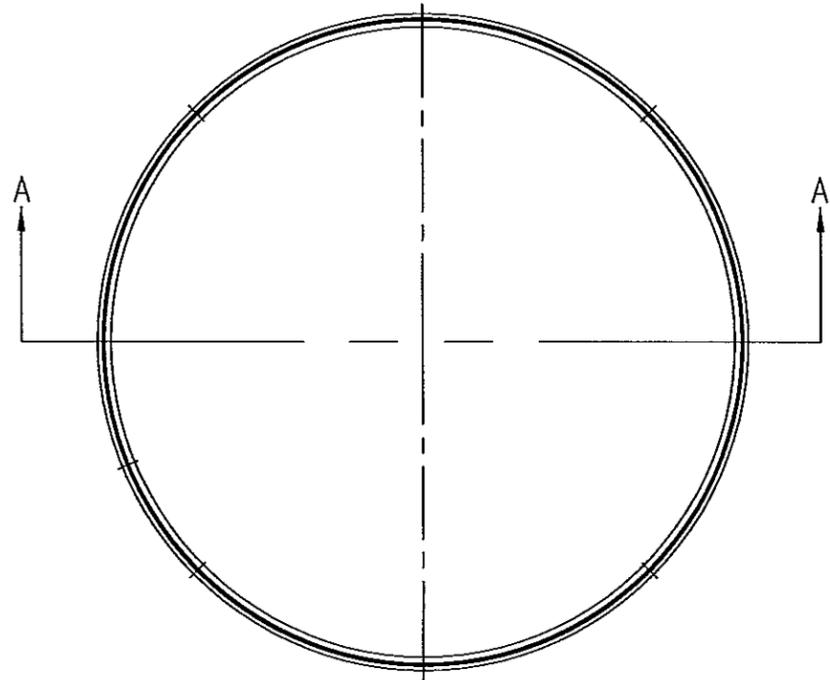
MAT'L	3003 H14 ALUM	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 3 OF 11
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2'	(NC)=NO INSPECTION REQ'D	



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

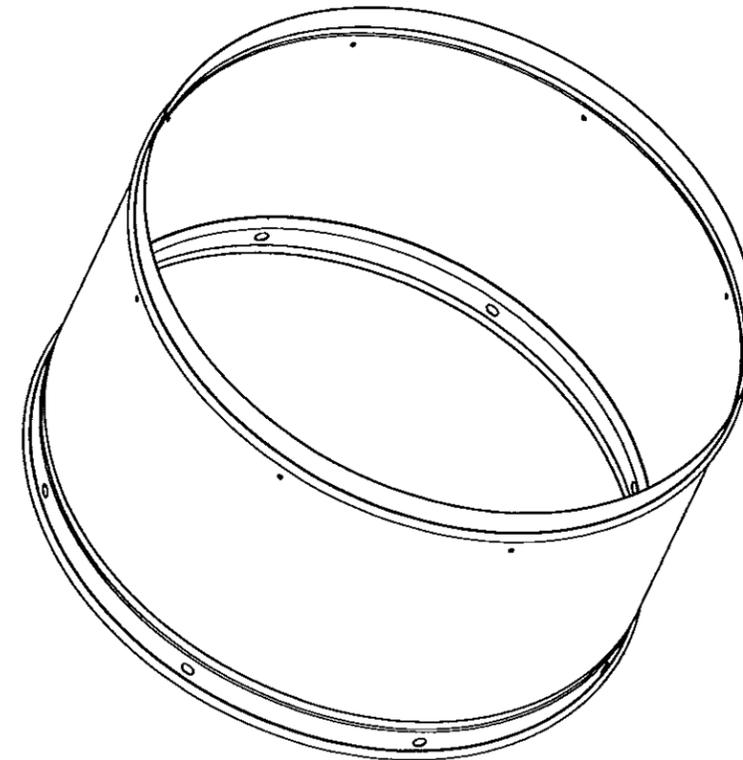
ACE POWER VENTILATOR  
HURRICANE RATED

SIZE	DRAWING NO.	REV.
B	SD080717-11	D



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



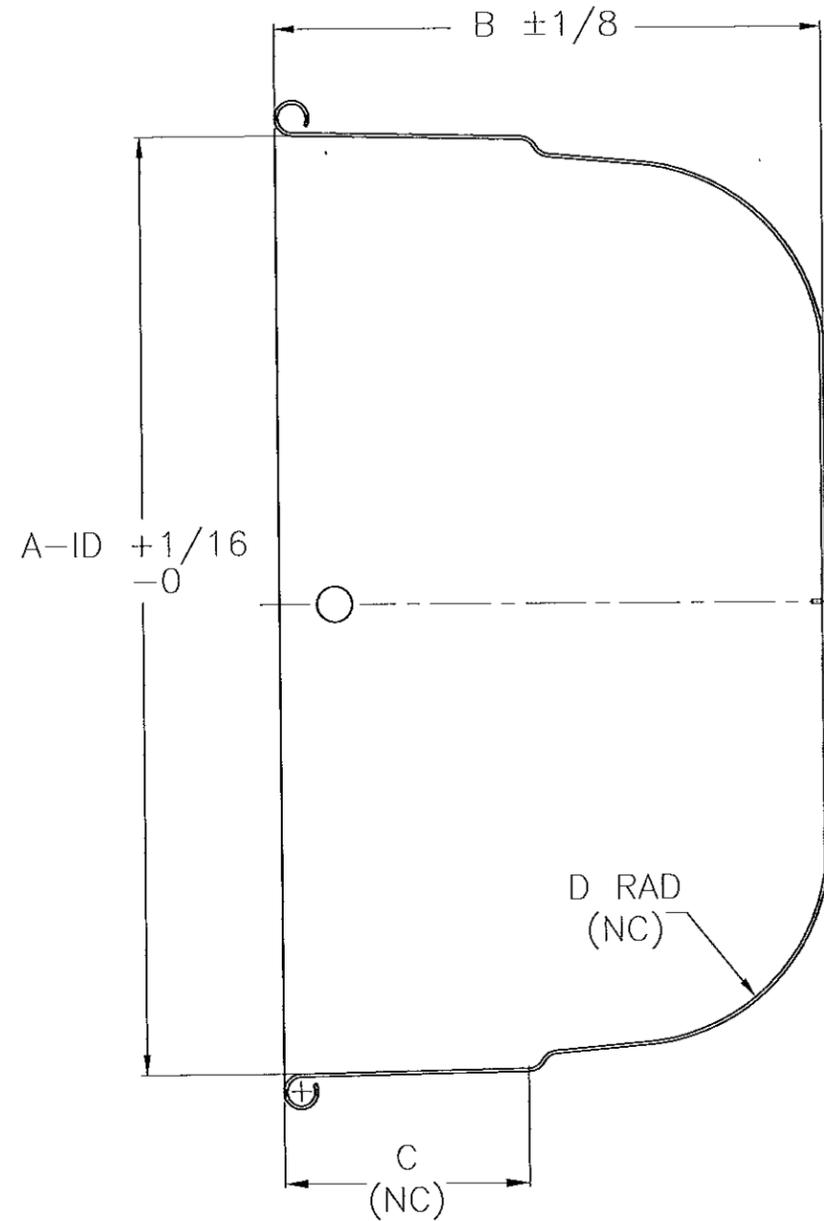
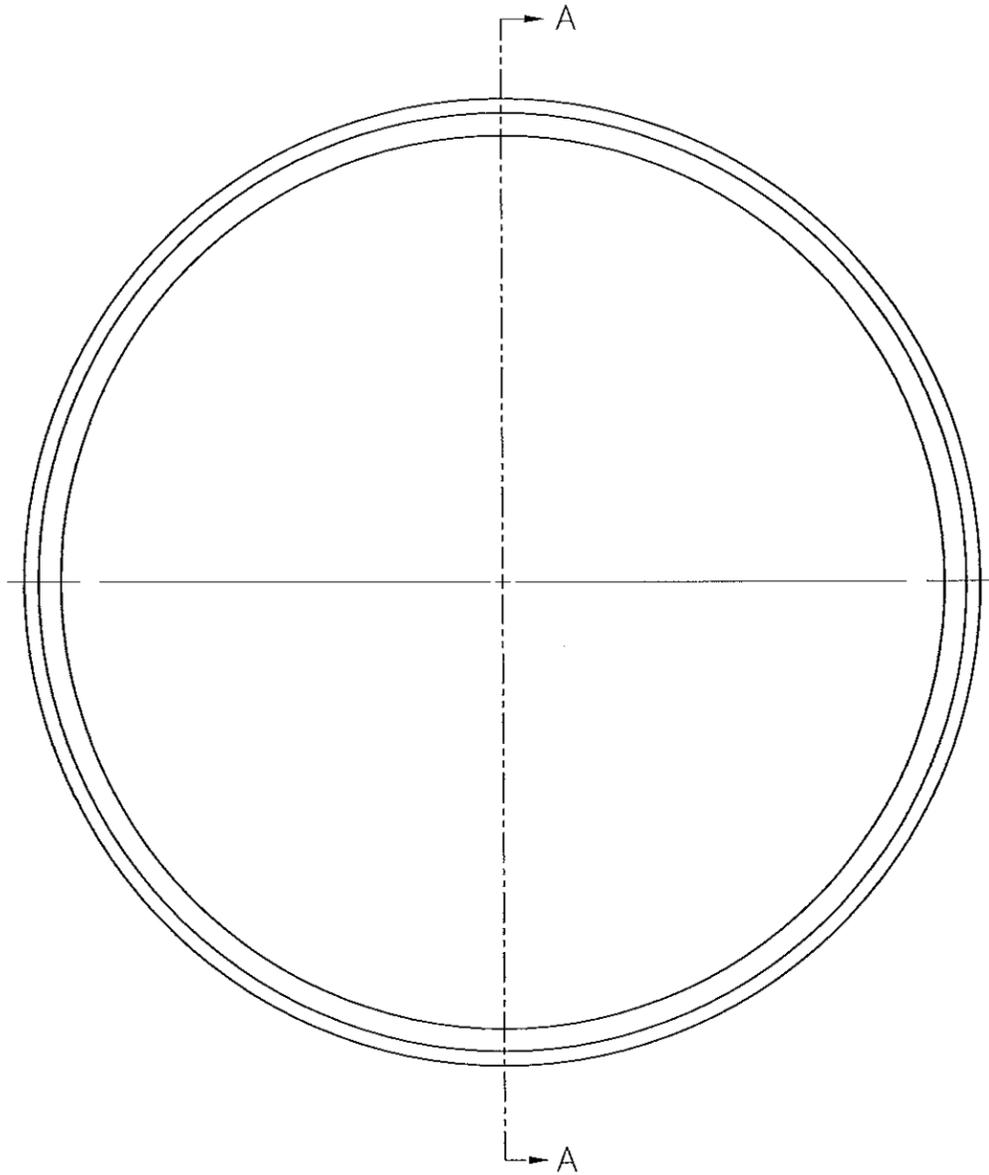
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14-1218.05  
 Expiration Date 10/2/2018  
 By [Signature]  
 Miami/Dade Product Control



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

ALUMINUM: SY MIN=17KSI

MAT'L	3003-H14 ALUM		 <b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI
DRAWN	BFS	05/05/14	
DESIGNER	BFS	SHEET 4 OF 11	
DO NOT SCALE DRAWING			<b>ACE POWER VENTILATOR</b> <b>HURRICANE RATED</b>
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'			
SIZE	DRAWING NO.	REV.	
B	SD080717-11	D	

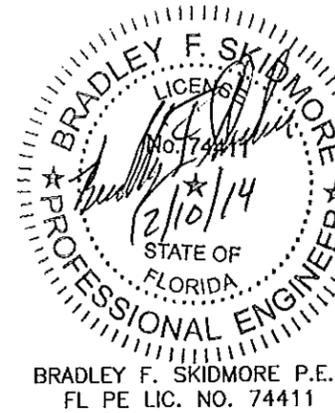


SECTION A-A

PRODUCT REVISED  
 as complying with the Florida  
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 Expiration Date 10/2/2018  
 By [Signature]  
 Miami Dade Product Control

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				

ALUMINUM: SY MIN=17KSI



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

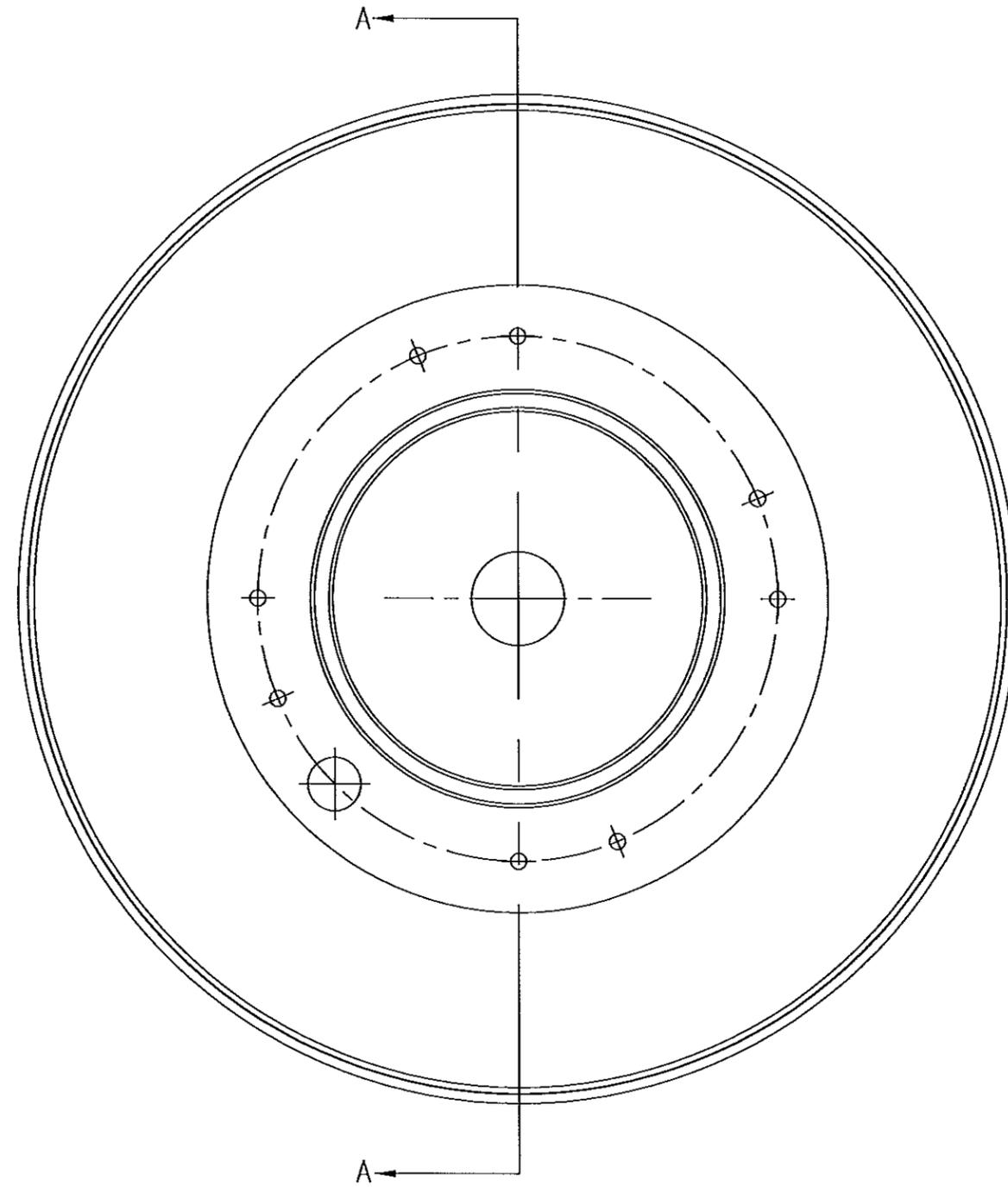
MAT'L	1100-0 ALUM .064 THICK	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 5 OF 11
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	<12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2'	(NC)=NO INSPECTION REQ'D	



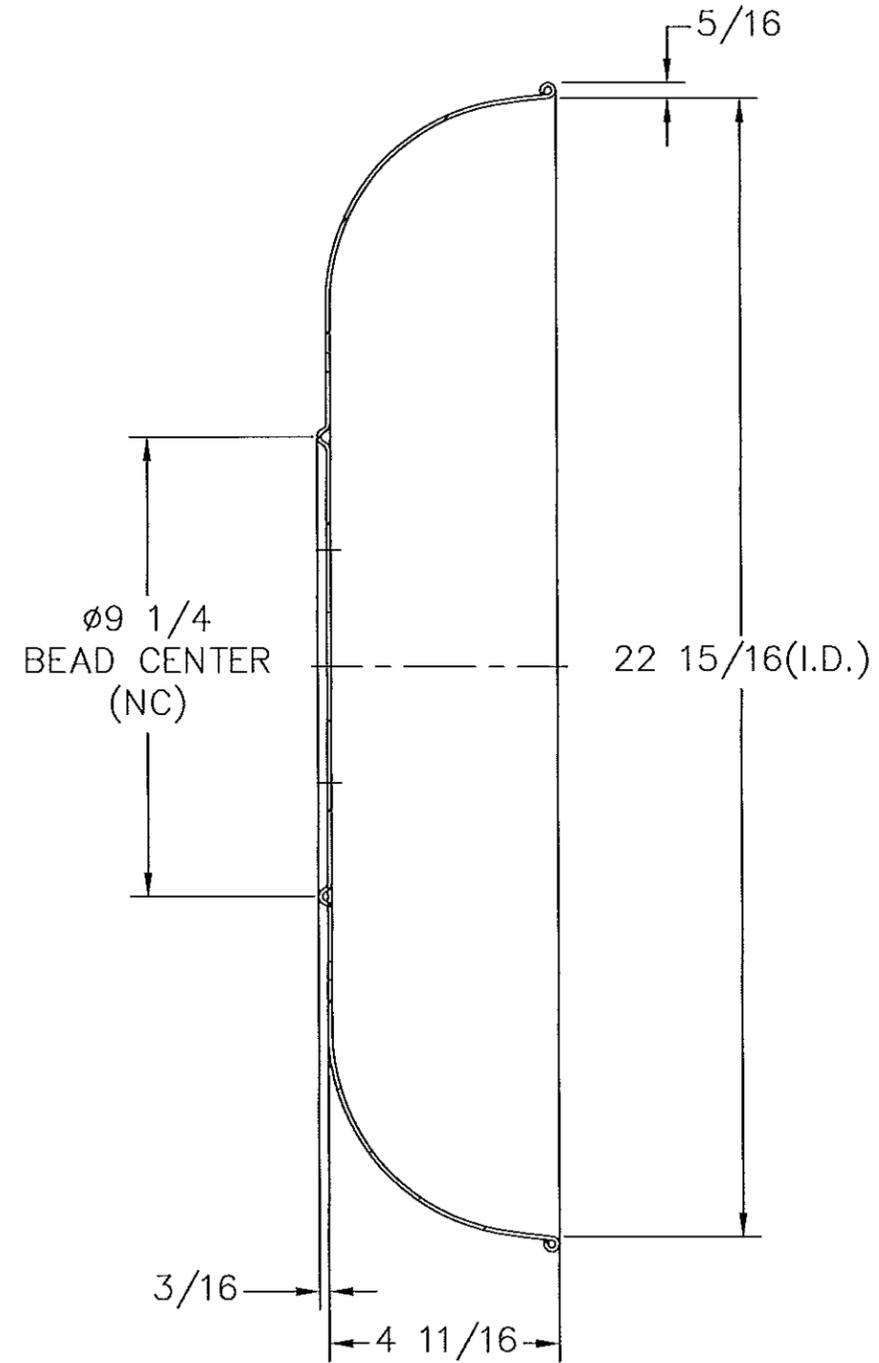
**LOREN COOK CO.**  
 MANUFACTURERS OF AIR MOVING EQUIPMENT  
 SPRINGFIELD, MISSOURI

ACE POWER VENTILATOR  
 HURRICANE RATED

SIZE	DRAWING NO.	REV.
B	SD080717-11	D



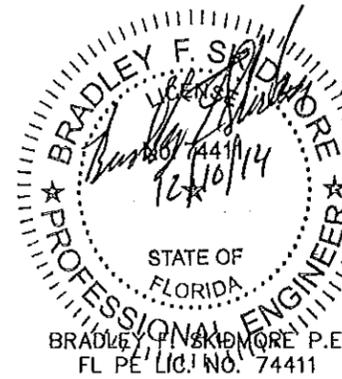
60-100 BAFFLE



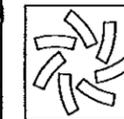
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 14-219.05  
 Expiration Date 10/2/2018  
 By [Signature]  
 Miami/Dade Product Control

SECTION A-A

ALUMINUM: SY MAX=17KSI



MAT'L	.08 THICK 3003-H14 ALUM	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 6 OF 11

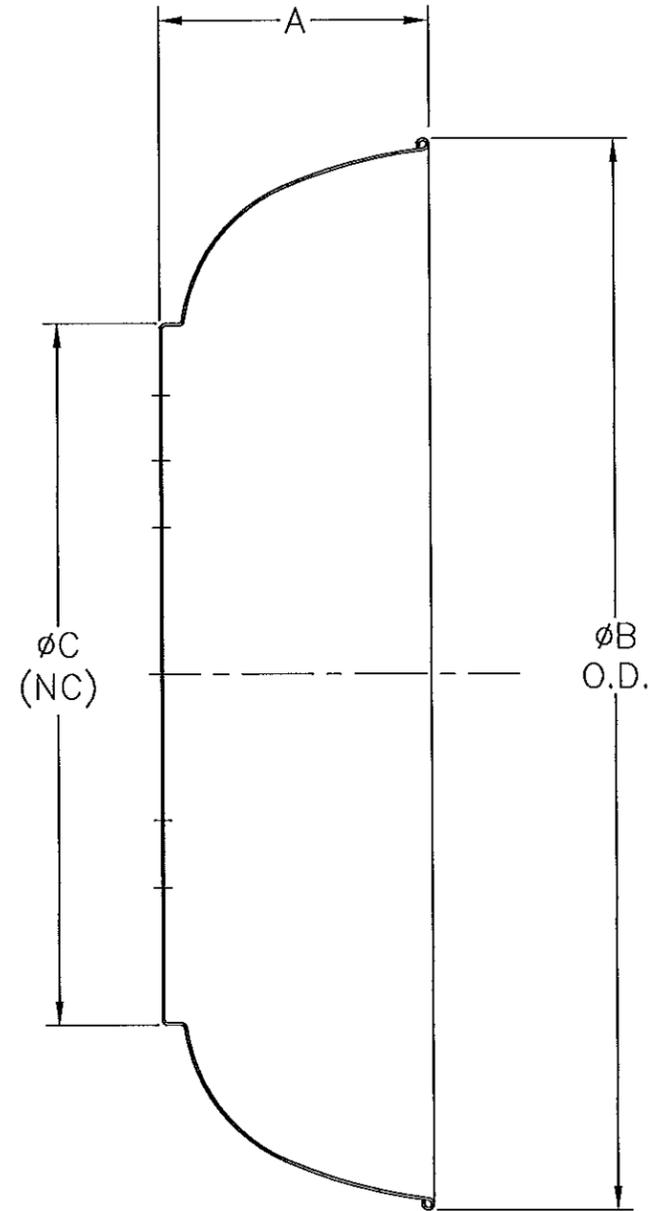
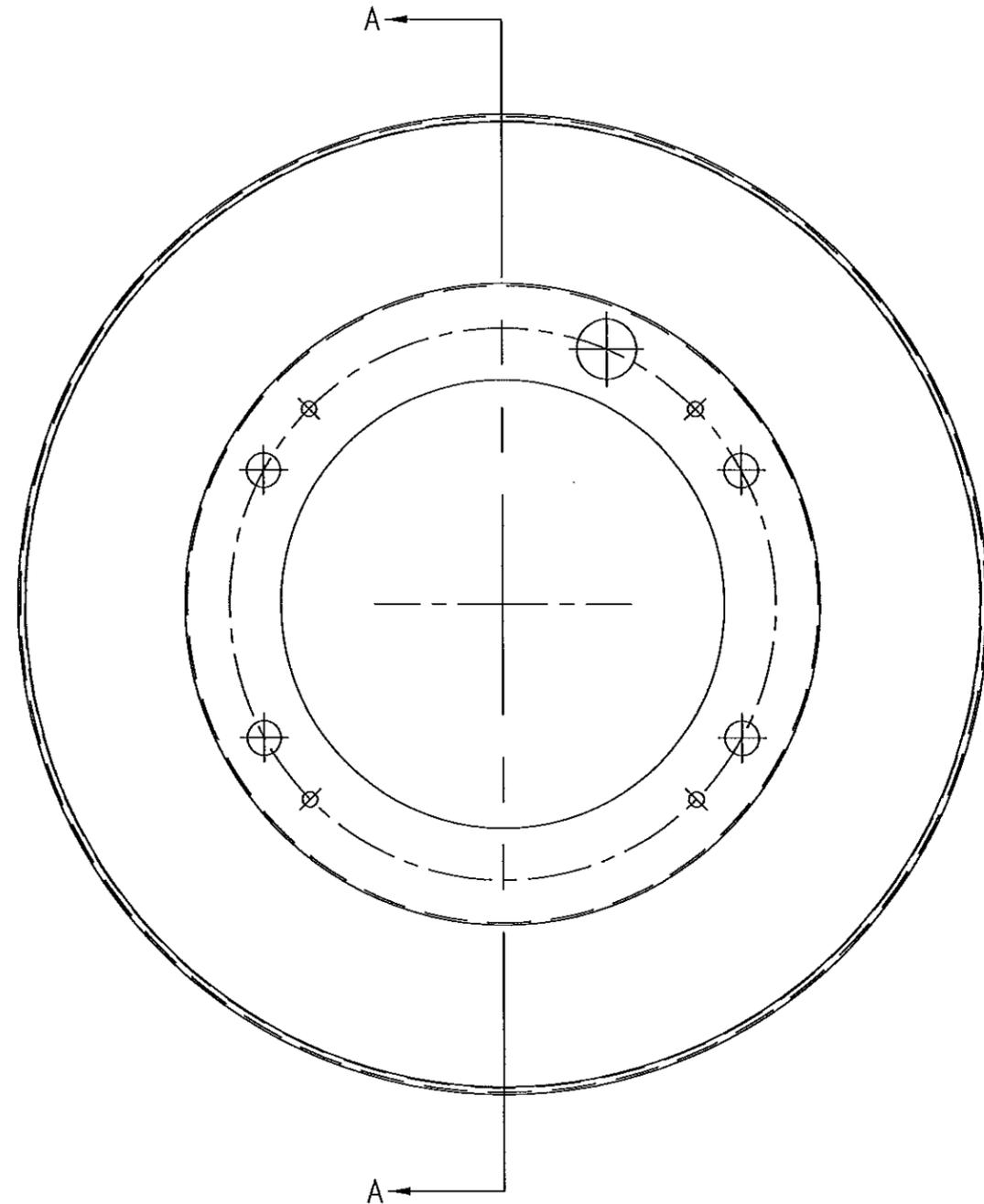


**LOREN COOK CO.**  
 MANUFACTURERS OF AIR MOVING EQUIPMENT  
 SPRINGFIELD, MISSOURI

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"
ANGULAR	>144"=±3/8"
±2'	(NC)=NO INSPECTION REQ'D

ACE POWER VENTILATOR  
 HURRICANE RATED

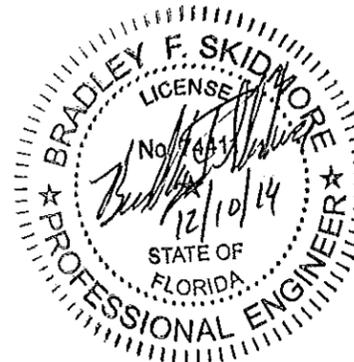
SIZE	DRAWING NO.	REV.
B	SD080717-11	D



SECTION A-A

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 14-1210.05  
 Expiration Date 10/21/2018  
 By *[Signature]*  
 Miami Dade Product Control

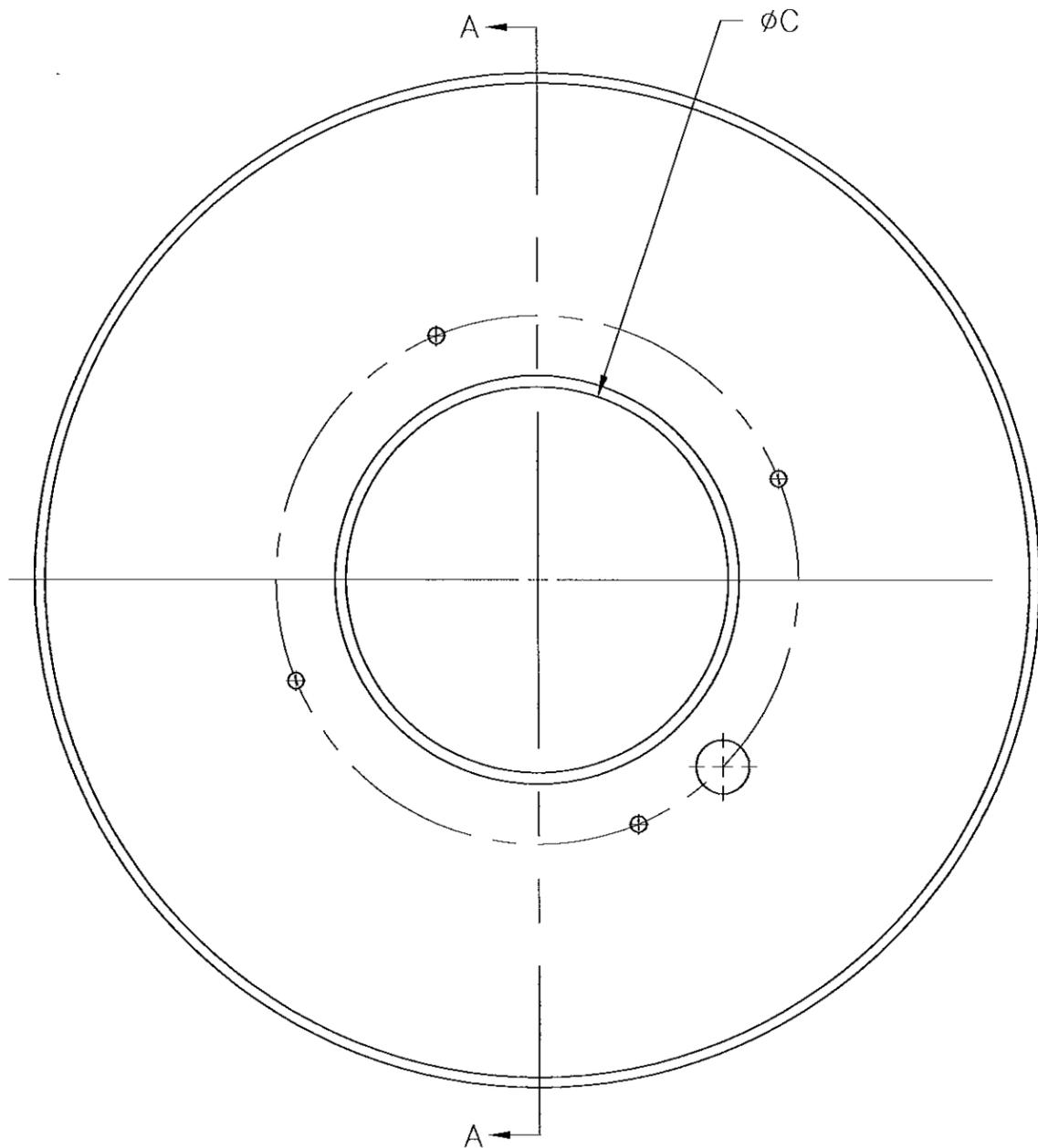
180-195	8 1/2	37 11/16	25 3/8
150-165	8	32 7/8	21 7/8
120-135	7 1/4	28 7/16	18 5/8
UNIT	A	B	C
SIZE	DIM	DIM	DIM



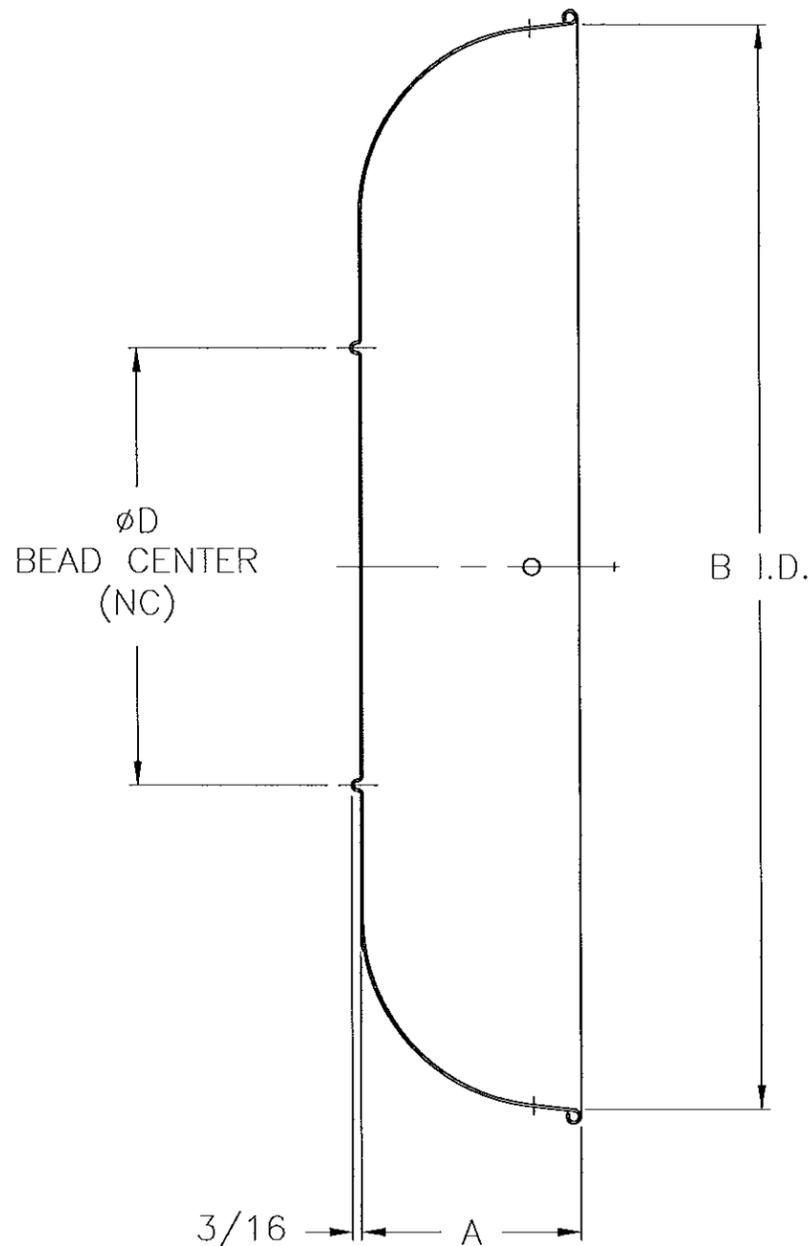
BRADLEY F. SKIDMORE P.E.  
 FL PE LIC. NO. 74411

ALUMINUM: SY MIN=17KSI

MAT'L	0.064 THICK 1100-0 ALUM		 <b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI
DRAWN	BFS	05/05/14	
DESIGNER	BFS	SHEET 7 OF 11	
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			
±2'	(NC)=NO INSPECTION REQ'D		
SIZE	DRAWING NO.	REV.	
B	SD080717-11	D	



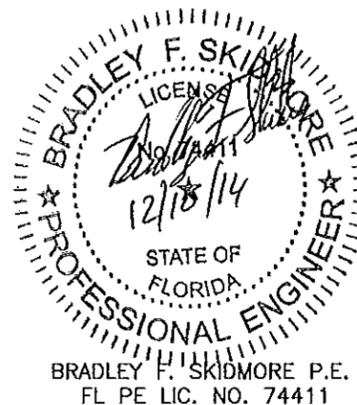
TOP: BAFFLE



SECTION A-A

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 14-1218.05  
 Expiration Date 10/2/2018  
 By *[Signature]*  
 Miami Dade Product Control

300	14	52	31-3/8	32
270	11-1/2	47	28-3/8	29
245	11-1/2	47	25-3/8	26
210-225	10-1/4	43	23-1/8	24
UNIT	DIM	DIM	DIM	DIM
SIZE	A	B	C	D



ALUMINUM: SY MIN=17KSI

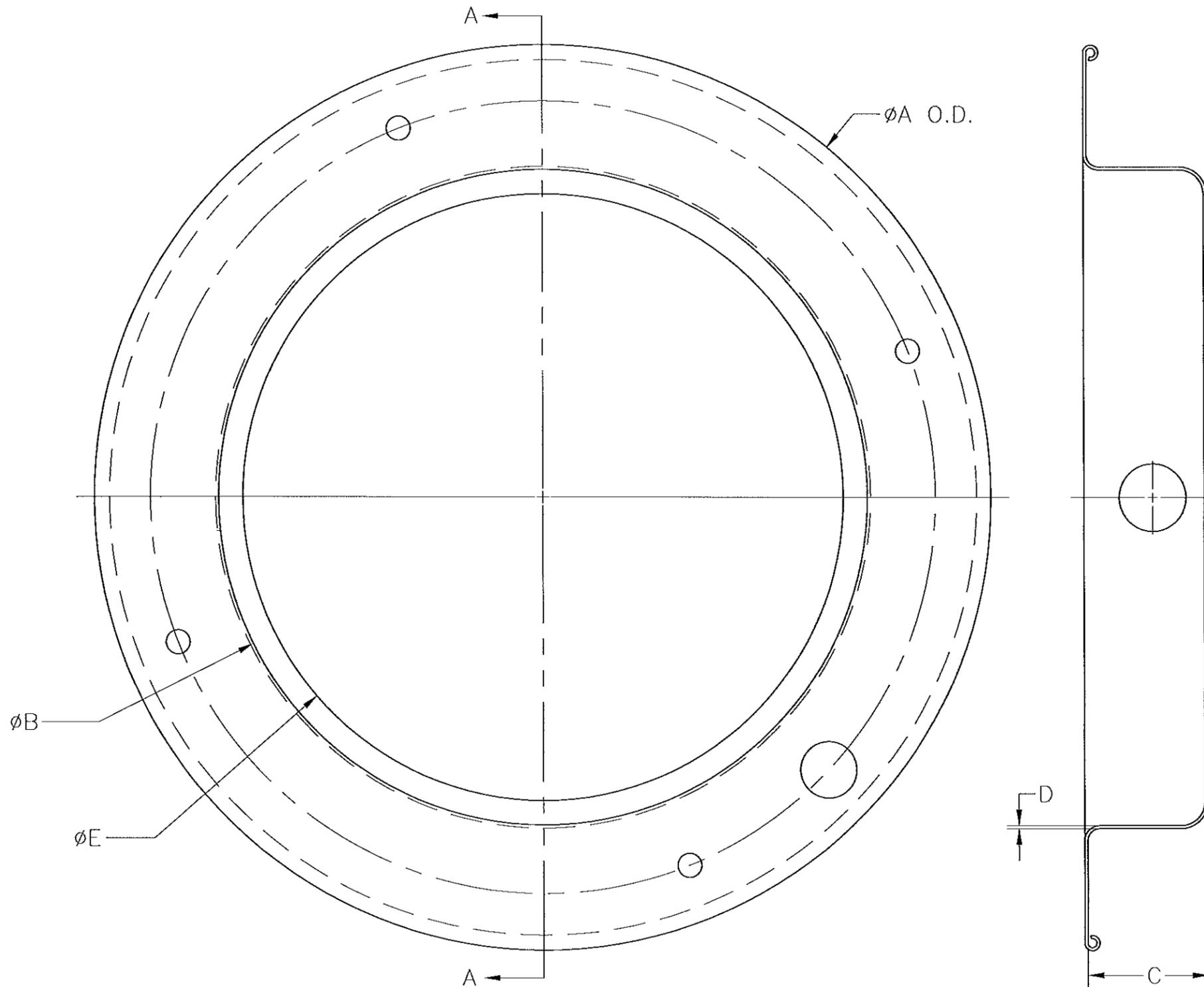
MAT'L	1100-0 ALUM 0.080 THICK	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 8 OF 11
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2'	(NC)=NO INSPECTION REQ'D	



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

ACE POWER VENTILATOR  
 HURRICANE RATED

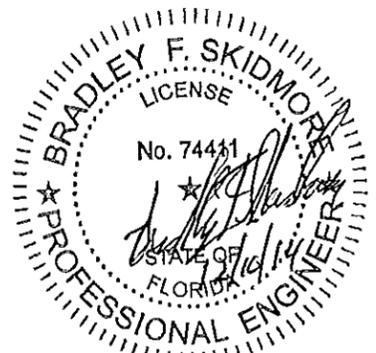
SIZE	DRAWING NO.	REV.
B	SD080717-11	D



SECTION A-A

270	33-5/8	28-1/2	6-3/8	0.080	27
245	30-5/8	25-1/2	6-3/8	0.080	24
210-225	28-5/8	23-1/2	5-1/8	0.080	22
180-195	25-1/8	19	4-3/4	0.063	18-3/16
150-165	22-1/8	16	3-3/8	0.063	15-3/8
120-135	18-1/8	13	2-1/2	0.063	12-1/8
60-100	14	10-1/8	2-23/32	0.063	9-3/8
UNIT	A	B	C	D	E
SIZE	DIM	DIM	DIM	THICK	DIM

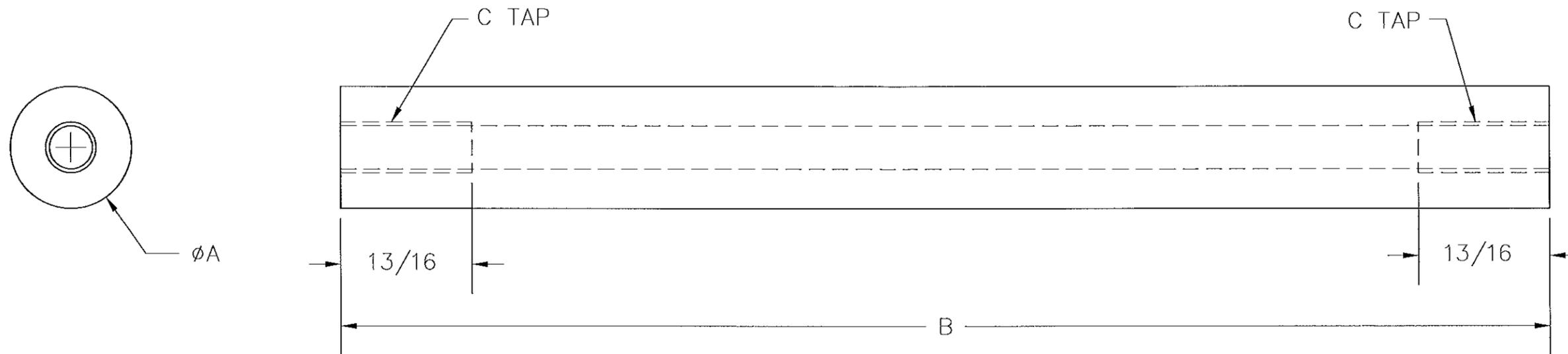
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 19-1218.05  
 Expiration Date 10/2/2018  
 By *[Signature]*  
 Miami Dade Product Control



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

ALUMINUM: SY MIN=17KSI

MAT'L	3003-H14 ALUM		 <b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI						
DRAWN	BFS	05/05/14							
DESIGNER	BFS	SHEET 9 OF 11							
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED									
DECIMAL	FRACTIONAL		<b>ACE POWER VENTILATOR</b> <b>HURRICANE RATED</b>						
.XX=±.063" .XXX=±.010" .XXXX=±.001"	≤12"=±1/16" >12" THRU 96"=±1/8" >96" THRU 144"=±1/4" >144"=±3/8"								
ANGULAR ±2'	(NC)=NO INSPECTION REQ'D		<table border="1"> <thead> <tr> <th>SIZE</th> <th>DRAWING NO.</th> <th>REV.</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>SD080717-11</td> <td>D</td> </tr> </tbody> </table>	SIZE	DRAWING NO.	REV.	B	SD080717-11	D
SIZE	DRAWING NO.	REV.							
B	SD080717-11	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					

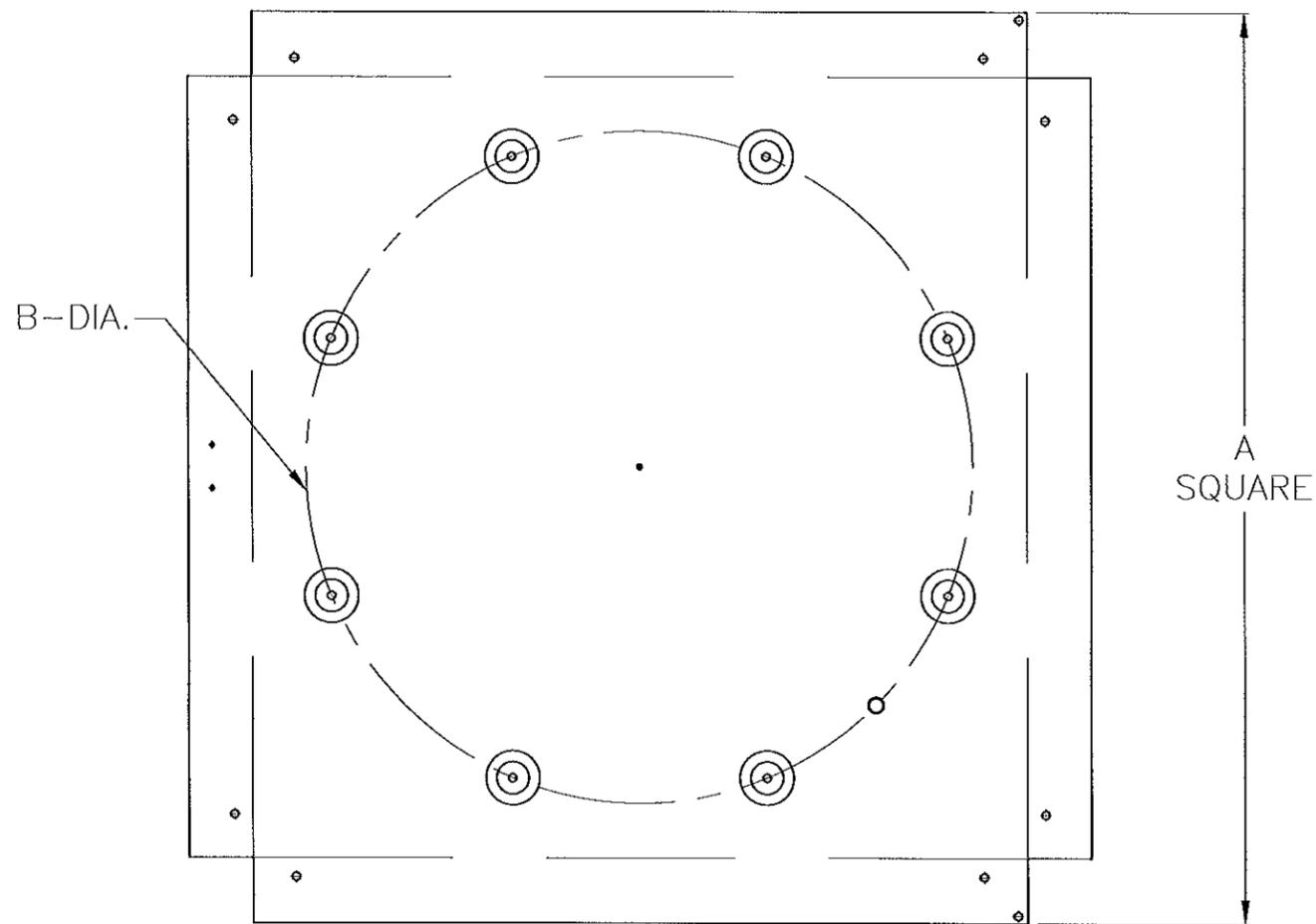
PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 14-1219.05  
 Expiration Date 10/2/2018  
 By *[Signature]*  
 Miami Dade Product Control



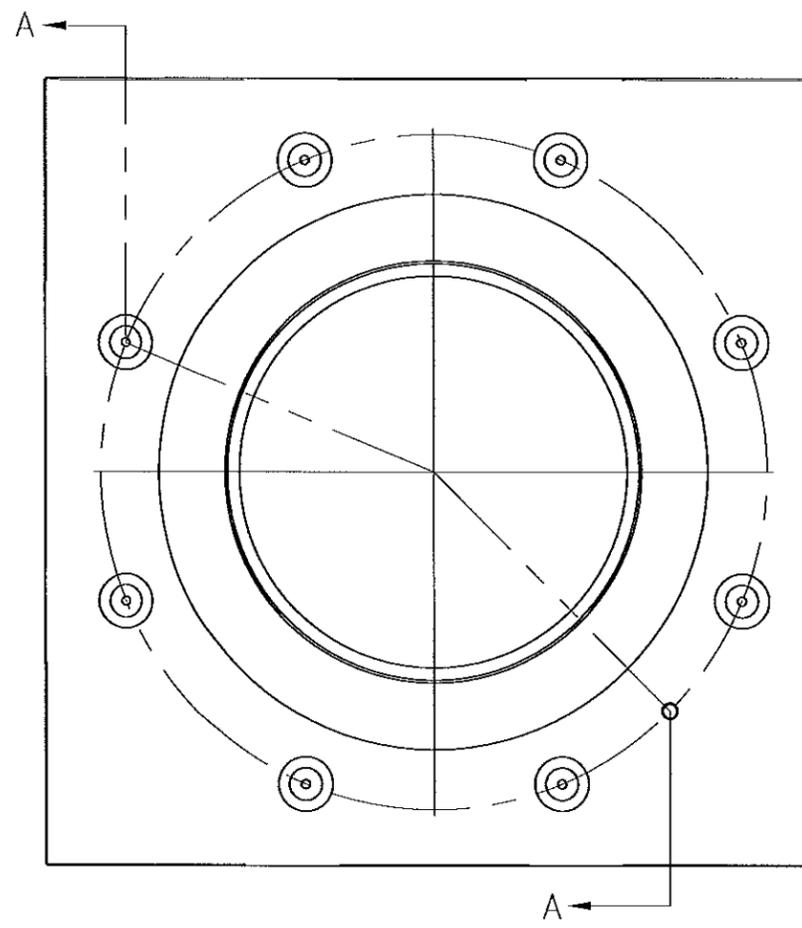
BRADLEY F. SKIDMORE P.E.  
 FL PE LIC. NO. 74411

ALUMINUM: SY MIN=35KSI

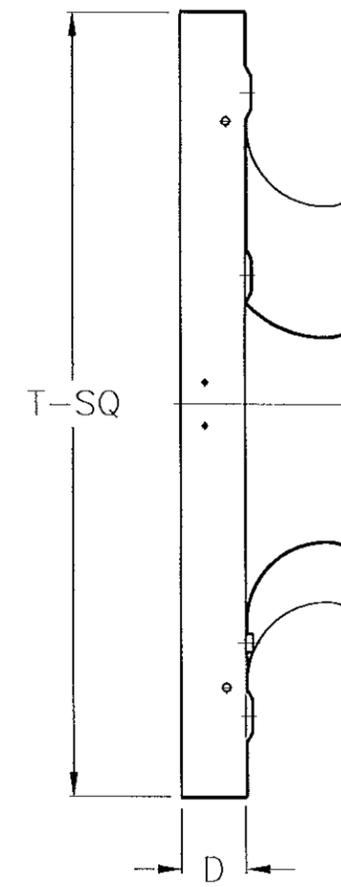
MAT'L	6005-T6 OR 6105-T5 ALUM	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 10 OF 11
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2'	(NC)=NO INSPECTION REQ'D	
 <b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI		
ACE POWER VENTILATOR HURRICANE RATED		
SIZE	DRAWING NO.	REV.
B	SD080717-11	D



FLAT PATTERN



FORM VIEW



300	42	34	36	3	.080
270	42	31	36	3	.080
245	36	28	30	3	.080
225	36	26	30	3	.080
210	36	26	30	3	.080
195	36	22 1/2	30	3	.080
180	36	22 1/2	30	3	.080
165	28	19 1/2	24	2	.063
150	28	19 1/2	24	2	.063
135	24	16	20	2	.063
120	24	16	20	2	.063
60-100	22	12 1/4	18	2	.063
UNIT	A	B	T	D	E
SIZE	DIM	DIM	SQUARE	DIM	THICKNESS

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No 14-1218.05  
 Expiration Date 10/2/2018  
 By *[Signature]*  
 Miami Dade Product Control



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

ALUMINUM: SY MIN=17KSI

MAT'L	"E" THICK 3003-H14 AL.	
DRAWN	BFS	05/05/14
DESIGNER	BFS	SHEET 11 OF 11
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

ACE POWER VENTILATOR  
 HURRICANE RATED

SIZE	DRAWING NO.	REV.
B	SD080717-11	D