



MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION

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

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

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/building](http://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: Model “CP with Inlet Box and Curb Cap” Steel Rooftop Fan**

**APPROVAL DOCUMENT:** Drawing No. **SD080717-10**, titled “CP Fan with Inlet Box and Curb Cap Hurricane Rated”, sheets 1 through 11 of 11, dated 09/05/13, with revision **C** dated 07/21/23, prepared by manufacturer, signed and sealed by Jerry Travis 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.

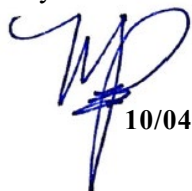
**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate 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 **revises and renews NOA No. 23-0821.04** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



  
10/04/24

**NOA No. 24-0912.03**  
**Expiration Date: October 02, 2029**  
**Approval Date: October 10, 2024**  
**Page 1**

**Loren Cook Company.**

**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. 08-0424.02)*
2. Drawing No. **SD080717-10**, titled "CP Fan with Inlet Box and Curb Cap Hurricane Rated", sheets 1 through 11 of 11, dated 09/05/13, with revision **C** dated 07/21/23, prepared by manufacturer, signed and sealed by Jerry Travis Miller, P.E.  
*(Submitted under NOA No. 23-0821.04)*

**B. TESTS**

1. Addendum letter for Test Report No. **NCTL-210-3416-2**, dated 11/03/09, signed and sealed by Gerard J. Ferrara, P.E.  
*(Submitted under NOA No. 09-0921.06)*
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 245 centrifugal plenum blowers with inlet box and curb cap exhaust ventilator, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-3416-2**, dated 02/07/08 and addendum letter dated 11/03/09, both signed and sealed by Gerard J. Ferrara, P.E.  
*(Submitted under NOA No. 08-0424.02)*

**C. CALCULATIONS**


1. Wind loads and anchor capacity calculations dated 09/11/13, prepared by manufacturer, signed and sealed by Bradley F. Skidmore, P.E.  
*(Submitted under NOA No. 13-0708.10)*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

  
\_\_\_\_\_  
**Manuel Pérez, P.E.**  
**Product Control Examiner**  
**NOA No. 24-0912.03**  
**Expiration Date: October 02, 2029**  
**Approval Date: October 10, 2024**

**Loren Cook Company.**

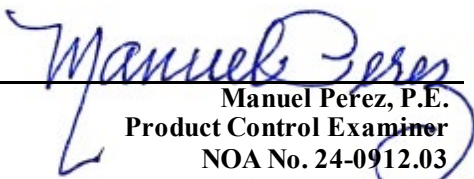
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

1. Statement letter of conformance, complying with **FBC 8<sup>th</sup> Edition (2023)** dated 07/28/23, issued by manufacturer, signed and sealed by Jerry Travis Miller, P.E.  
*(Submitted under NOA No. 23-0821.04)*
2. Statement letter of no financial interest dated 10/12/23, issued by manufacturer, signed and sealed by Jerry Travis Miller, P.E.  
*(Submitted under NOA No. 23-0821.04)*
3. Testing contract notification issued by Intertek, dated 09/28/23, signed by Cassandra Matthews.  
*(Submitted under NOA No. 23-0821.04)*

**G. OTHERS**

1. Notice of Acceptance No. **21-0405.08**, issued to Loren Cook Company for their Model "CP with Inlet Box and Curb Cap" Steel Roof Fan – L.M.I., approved on 06/24/21 and expiring on 10/02/23.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 24-0912.03  
Expiration Date: October 02, 2029  
Approval Date: October 10, 2024

**Loren Cook Company.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. None.

**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  
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of Series/Model 120 CP Fan with Inlet Box and Curb Cap, metal roof vent, prepared by Intertek, Test Report No. **Q5866.01-801-18 R0**, dated 03/08/24, signed and sealed by Tyler Westerling, P.E.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**


1. None.

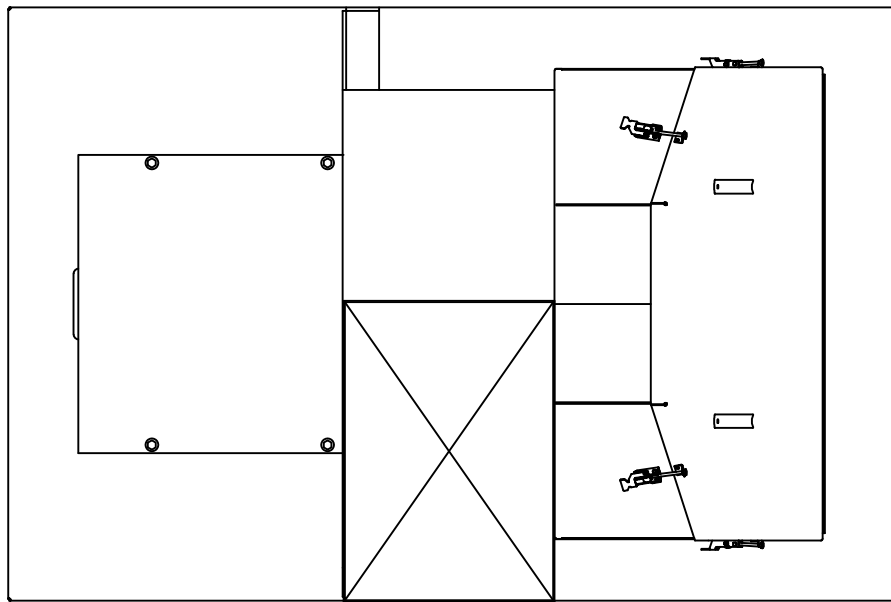
**F. STATEMENTS**

1. None.

**G. OTHERS**

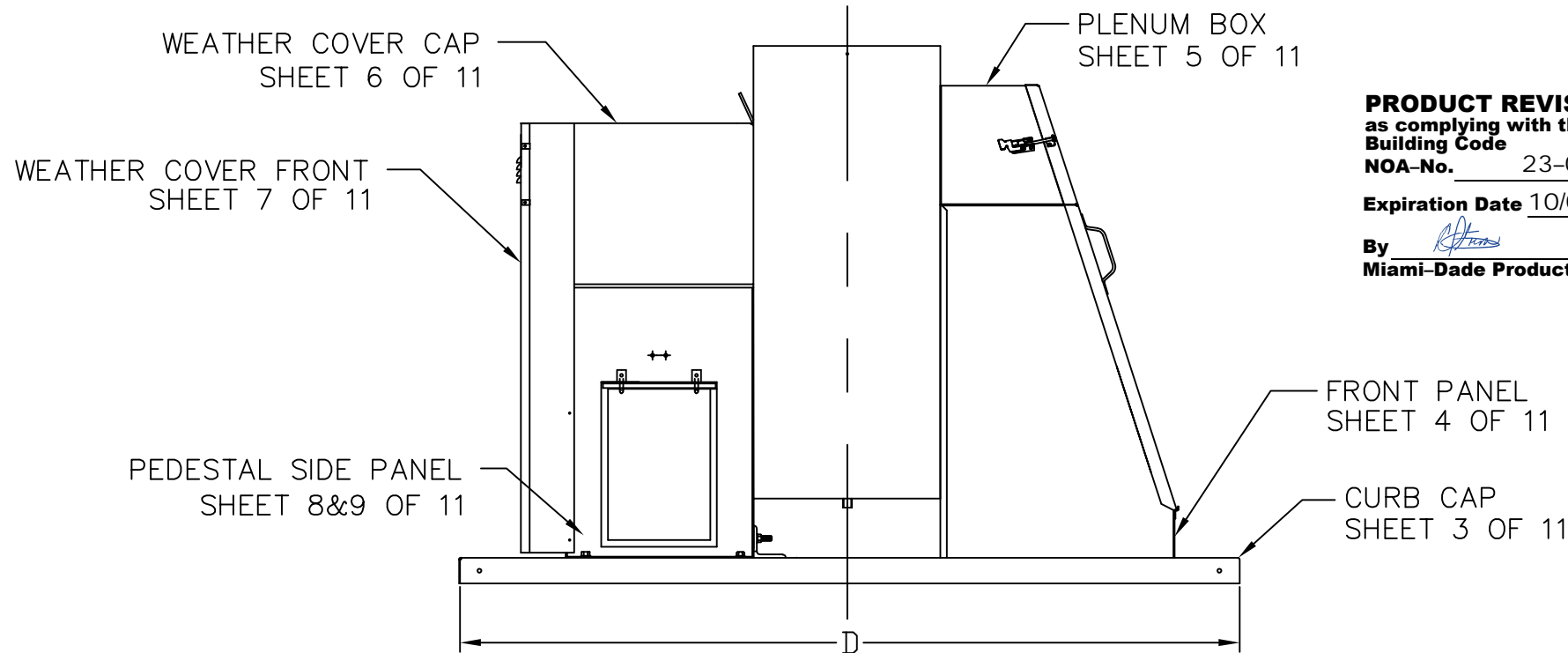
1. Notice of Acceptance No. **23-0821.04**, issued to Loren Cook Company for their Model “CP with Inlet Box and Curb Cap” Steel Roof Fan, approved on 11/09/23 and expiring on 10/02/24.

  
Manuel Pérez, P.E.  
Product Control Examiner  
NOA No. 24-0912.03  
Expiration Date: October 02, 2029  
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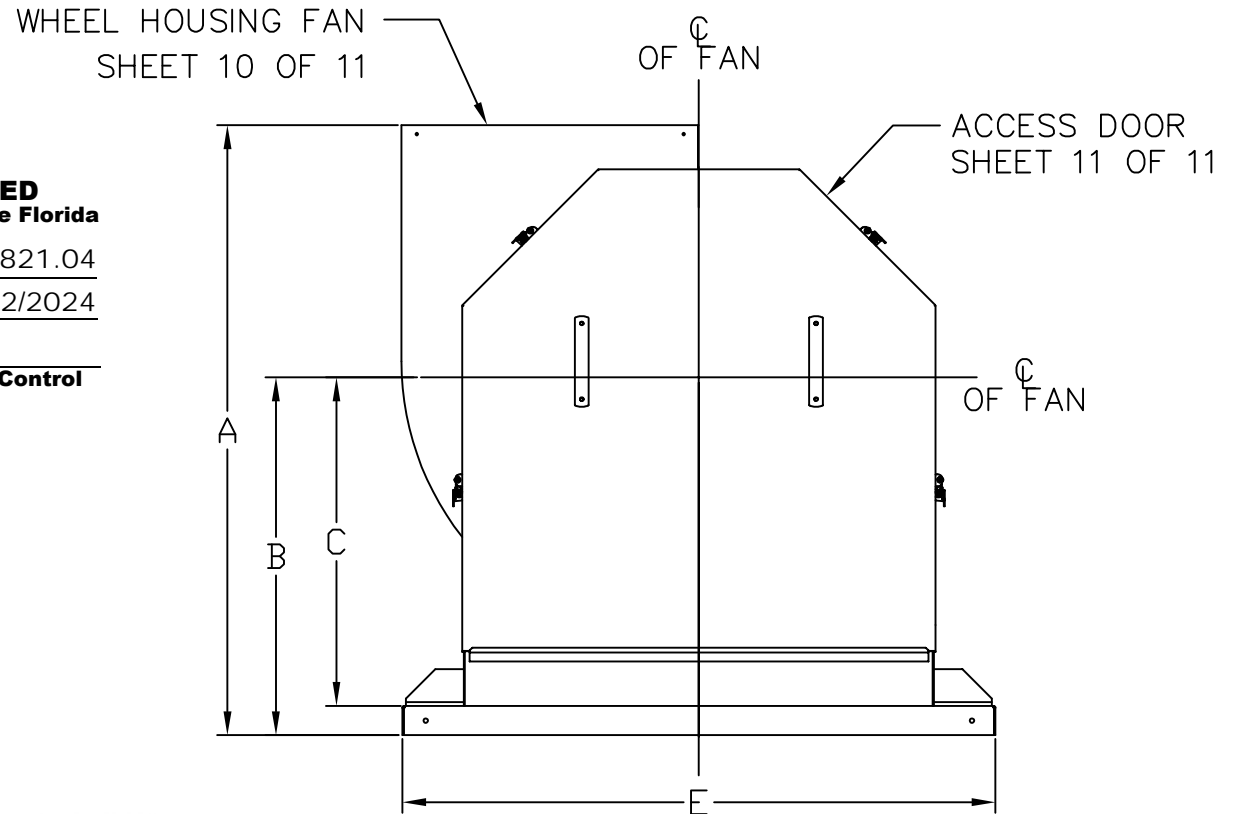


|      |          |          |          |        |        |
|------|----------|----------|----------|--------|--------|
| 245  | 53 3/8   | 31 5/8   | 29 5/8   | 75 1/2 | 51 1/2 |
| 225  | 49 5/8   | 29       | 27       | 72 1/2 | 49 1/2 |
| 210  | 47 3/8   | 27 3/8   | 25 3/8   | 69 1/2 | 47 1/2 |
| 195  | 43 1/2   | 25 11/16 | 23 11/16 | 66 1/2 | 43 1/2 |
| 180  | 41 11/16 | 24 1/16  | 22 1/16  | 60 1/2 | 40 1/2 |
| 165  | 38 13/16 | 22 7/16  | 20 7/16  | 58 1/2 | 38 1/2 |
| 150  | 36 3/8   | 21 1/2   | 19 1/2   | 55 1/2 | 36 1/2 |
| 135  | 33 7/8   | 20       | 18       | 53 1/2 | 33 1/2 |
| 120  | 33 3/8   | 20       | 18       | 48 1/2 | 31 1/2 |
| 100  | 32 3/4   | 20       | 18       | 47 1/2 | 31 1/2 |
| 80   | 32 3/4   | 20       | 18       | 47 1/2 | 31 1/2 |
| 70   | 32 3/4   | 20       | 18       | 47 1/2 | 31 1/2 |
| 60   | 32 3/4   | 20       | 18       | 47 1/2 | 31 1/2 |
| UNIT | A        | B        | C        | D      | E      |
| SIZE | DIM      | DIM      | DIM      | DIM    | DIM    |

**PRODUCT REVISED**  
 As complying with the Florida Building Code  
 NOA-No. 24-0912.03  
 Expiration Date: 10/02/2029  
 By: *Manuel Perez*  
 Miami-Dade Product Control



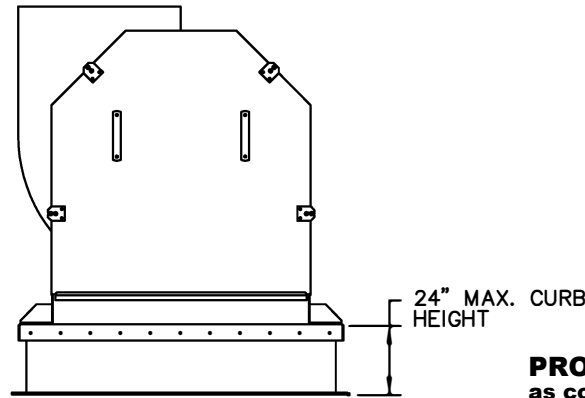
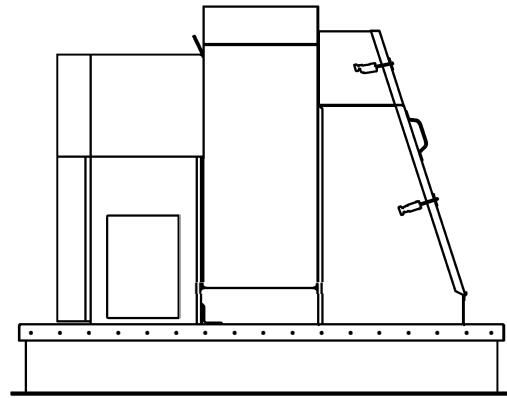
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 NOA-No. 23-0821.04  
 Expiration Date 10/02/2024  
 By: *R. Torres*  
 Miami-Dade Product Control



NOTE:  
 DESIGN PRESSURE: +/- 45 PSF  
 IMPACT RATING: LARGE MISSILE IMPACT RESISTANT  
 ALL DIMENSIONS IN INCHES

JERRY TRAVIS MILLER-ENGINEER  
 FLORIDA LICENSE #89925  
 FLORIDA STATE CERTIFICATE  
 OF AUTHORITY #RY34386  
 JERRY TRAVIS MILLER  
 LICENSE #89925  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER  
 7/21/23

|   |                          |  |  |
|---|--------------------------|--|--|
| MAT'L   | -                        | LOREN COOK CO.<br>MANUFACTURERS OF AIR MOVING EQUIPMENT<br>SPRINGFIELD, MISSOURI |  |
| DRAWN   | JMD                      | 09/05/13   |  |
| DESIGNER  | BFS                      | SHEET 1 OF 11  |  |
| DO NOT SCALE DRAWING<br>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   | ±2'                      |  |  |
|   | (NC)=NO INSPECTION REQ'D |  |  |
| SIZE  | DRAWING NO.              | REV.   |  |
| B   | SD080717-10              | C  |  |



**NOTES:**

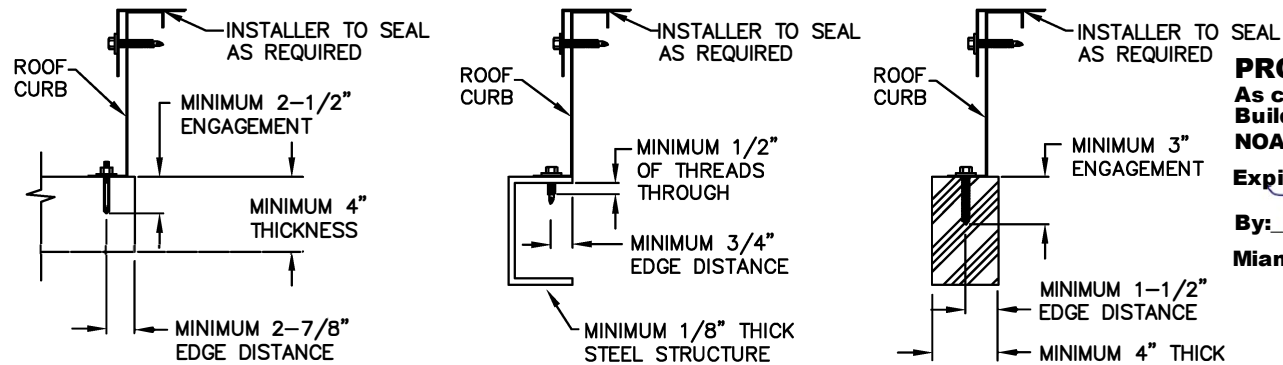
- 1) CP MODEL FAN AS REFERRED TO HEREIN REFERS TO ALL LOREN COOK MODEL CP VENT SETS INCLUDING BUT NOT LIMITED TO MODELS CPV, CPA, AND CPS UNITS WHICH ARE CONSTRUCTED WITH THE SAME PAINTED STEEL OUTER HOUSING COMPONENTS AND ARE EQUIPPED WITH A CURB CAP AND INLET BOX.
- 2) THIS APPROVAL IS FOR THE STRUCTURAL 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 AND INLET BOX TO FACILITATE ROOF MOUNTING ON A ROOF CURB THAT IS ADEQUATELY ATTACHED TO THE ROOF STRUCTURE TO SUSTAIN ALL FORCES WHICH MAY BE PRODUCED BY THE PRESCRIBED ENVIROMENTAL FORCES EXERTED ON THE FAN AND CURB.

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 By *[Signature]*  
 Miami-Dade Product Control

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 INSTALLED 4" FROM EACH CORNER AND EQUALLY SPACED, SEE TABLE FOR QUANTITY OF ANCHORS PER SIDE.

STEEL ROOF STRUCTURE: CURB IS TO BE ATTACHED WITH SELF-DRILLING STEEL SCREWS OF MINIMUM NOMINAL SIZE OF 1/4" DIAMETER AND SCREWS SHALL PASS THROUGH STEEL AT LEAST 1/2". THE SCREWS SHALL BE INSTALLED 4" FROM EACH CORNER AND EQUALLY SPACED BETWEEN. SEE TABLE FOR MINIMUM QUANTITY OF SCREWS REQUIRED PER CURB SIDE.

**ATTACHMENT OF CURB TO ROOF STRUCTURE**



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 By *[Signature]*  
 Miami-Dade Product Control

WOOD ROOF STRUCTURE: CURB IS TO BE ATTACHED WITH STEEL LAG BOLTS NOMINAL SIZE OF 3/8" DIAMETER OR LARGER. WOOD IS TO BE 4" NOMINAL SIZE OR GREATER. THE BOLT SHALL HAVE A MINIMUM OF 3" OF THREAD ENGAGEMENT. BOLTS SHALL BE INSTALLED 4" FROM EACH CORNER AND EQUALLY SPACED BETWEEN. SEE TABLE FOR MINIMUM QUANTITY OF LAG BOLTS REQUIRED PER CURB SIDE.

**CONCRETE ROOF DECK**  
 MINIMUM 2500PSI CONCRETE

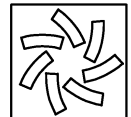
**STEEL ROOF STRUCTURE**  
 A36 STEEL STRUCTURE  
 MINIMUM Fy=36KSI

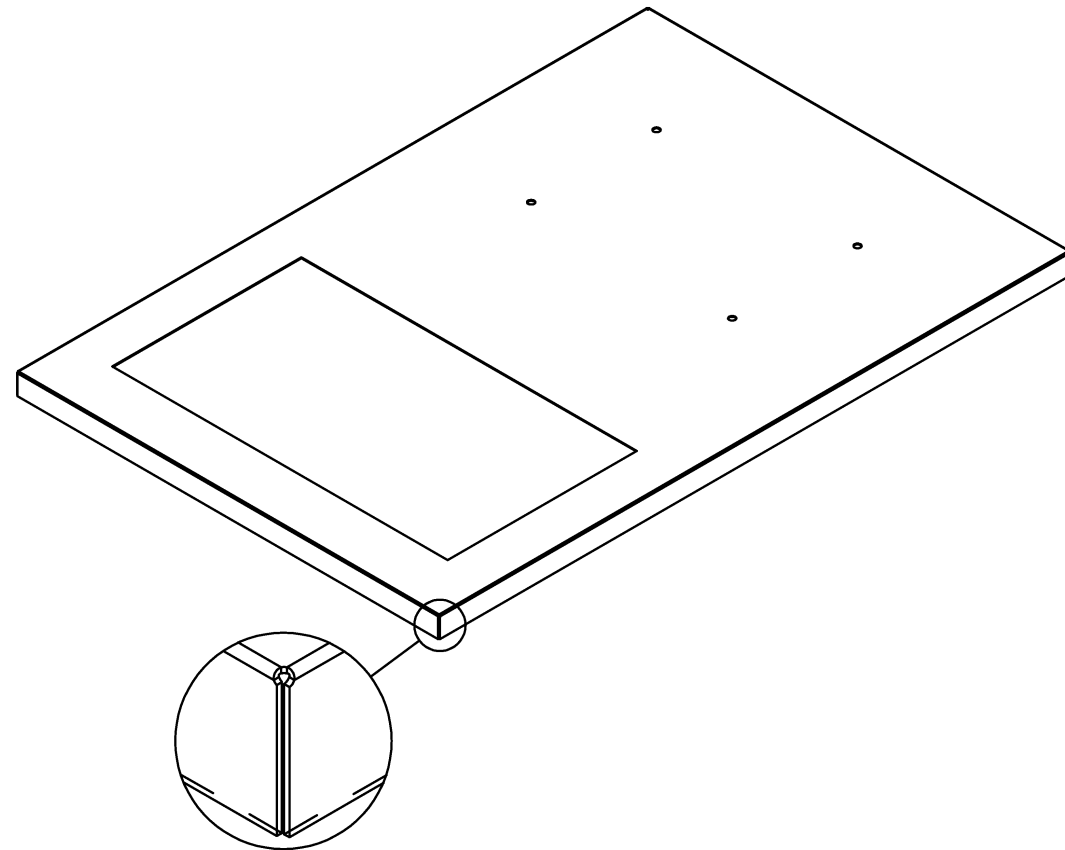
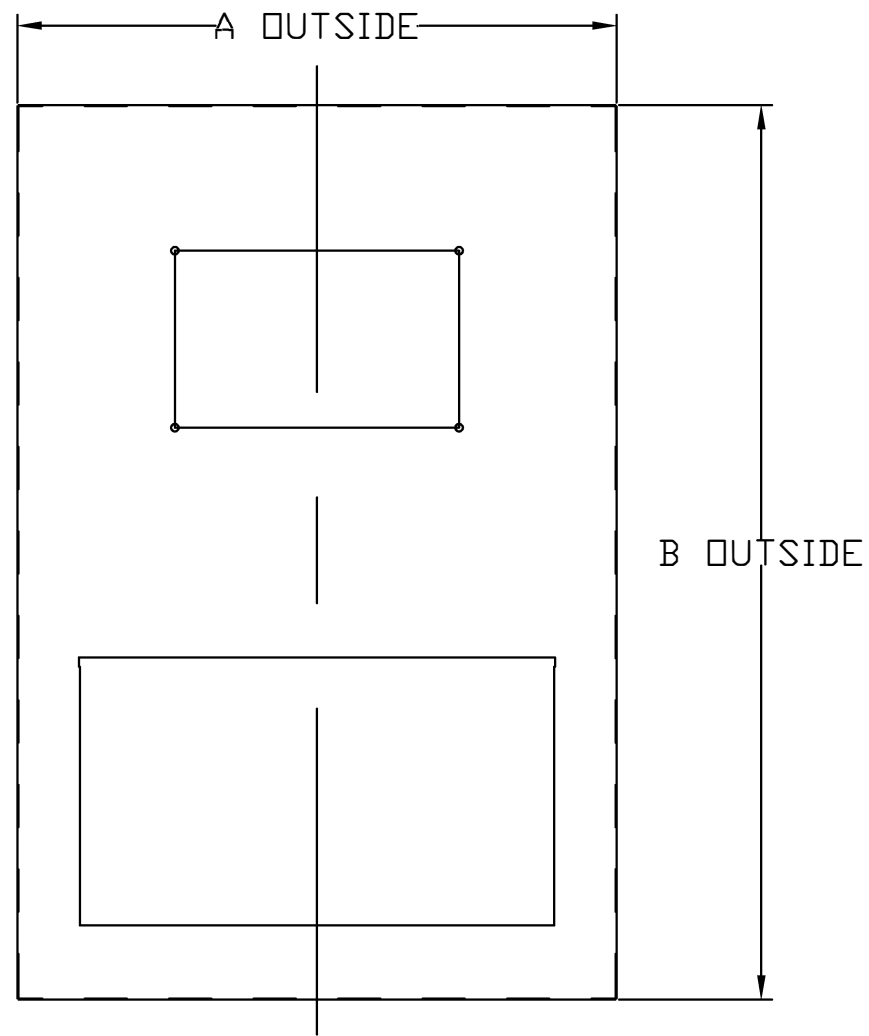
**WOOD ROOF STRUCTURE**  
 MIN. 4" NOMINAL THICK WOOD  
 MIN SG = .42

- 5) THE CURB SHALL BE CONSTRUCTED OF G-90 GALVANIZED STEEL OR STAINLESS STEEL. THE CURB MATERIAL THICKNESS SHALL BE 18 GA OR GREATER AND HEIGHT SHALL NOT EXCEED 24".
- 6) THE CP FAN 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 AT LEAST 3" FROM THE UNIT CORNER AND THE QUANTITY OF FASTENERS SHALL EQUAL OR EXCEED THE QUANTITY SHOWN IN THE FASTENER TABLE.
  - A) #12 X 2" HEX WASHER HEAD SCREW SELF-DRILLING SCREW
  - B) ALTERNATE FASTENER – .25" HEX HEAD BOLT 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.

| UNIT SIZE | MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH UNIT TO CURB |            | MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO CONCRETE AND STEEL ROOF STRUCTURE |            | MINIMUM NUMBER OF FASTENERS PER SIDE TO ATTACH CURB TO WOOD ROOF STRUCTURE |            |
|-----------|---|------------|--|------------|--|------------|
|           | LONG SIDE   | SHORT SIDE | LONG SIDE  | SHORT SIDE | LONG SIDE  | SHORT SIDE |
| 60        | 11  | 7          | 8  | 5          | 12   | 7          |
| 70        | 11  | 7          | 8  | 5          | 12   | 7          |
| 80        | 11  | 7          | 8  | 5          | 12   | 7          |
| 100       | 11  | 7          | 8  | 5          | 12   | 7          |
| 120       | 11  | 7          | 9  | 5          | 12   | 7          |
| 135       | 12  | 7          | 9  | 5          | 12   | 7          |
| 150       | 13  | 8          | 9  | 6          | 14   | 8          |
| 165       | 14  | 9          | 10   | 6          | 14   | 8          |
| 180       | 15  | 9          | 10   | 6          | 15   | 9          |
| 195       | 16  | 10         | 12   | 7          | 17   | 10         |
| 210       | 16  | 11         | 12   | 8          | 18   | 12         |
| 225       | 17  | 11         | 12   | 10         | 20   | 12         |
| 245       | 18  | 12         | 14   | 10         | 22   | 14         |



| MAT'L   | -                        |               |  <b>LOREN COOK CO.</b><br>MANUFACTURERS OF AIR MOVING EQUIPMENT<br>SPRINGFIELD, MISSOURI |      |             |      |   |             |   |
|---|--------------------------|---------------|---|------|-------------|------|---|-------------|---|
| DRAWN   | JMD                      | 09/05/13      |   |      |             |      |   |             |   |
| DESIGNER  | BFS                      | SHEET 2 OF 11 | <b>CP FAN WITH INLET BOX AND CURB CAP HURRICANE RATED</b>   |      |             |      |   |             |   |
| DO NOT SCALE DRAWING<br>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>SD080717-10</td> <td>C</td> </tr> </table>                                 | SIZE | DRAWING NO. | REV. | B | SD080717-10 | C |
| SIZE  | DRAWING NO.              | REV.          |   |      |             |      |   |             |   |
| B   | SD080717-10              | C             |   |      |             |      |   |             |   |
| .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 |               |   |      |             |      |   |             |   |

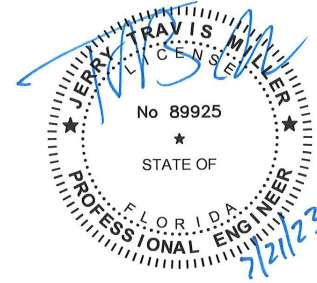



|      |        |        |
|------|--------|--------|
| 245  | 51 1/2 | 75 1/2 |
| 225  | 49 1/2 | 72 1/2 |
| 210  | 47 1/2 | 69 1/2 |
| 195  | 43 1/2 | 66 1/2 |
| 180  | 40 1/2 | 60 1/2 |
| 165  | 38 1/2 | 58 1/2 |
| 150  | 36 1/2 | 55 1/2 |
| 135  | 33 1/2 | 53 1/2 |
| 120  | 31 1/2 | 48 1/2 |
| 100  | 31 1/2 | 47 1/2 |
| 80   | 31 1/2 | 47 1/2 |
| 70   | 31 1/2 | 47 1/2 |
| 60   | 31 1/2 | 47 1/2 |
| UNIT | A      | B      |
| SIZE | DIM    | DIM    |

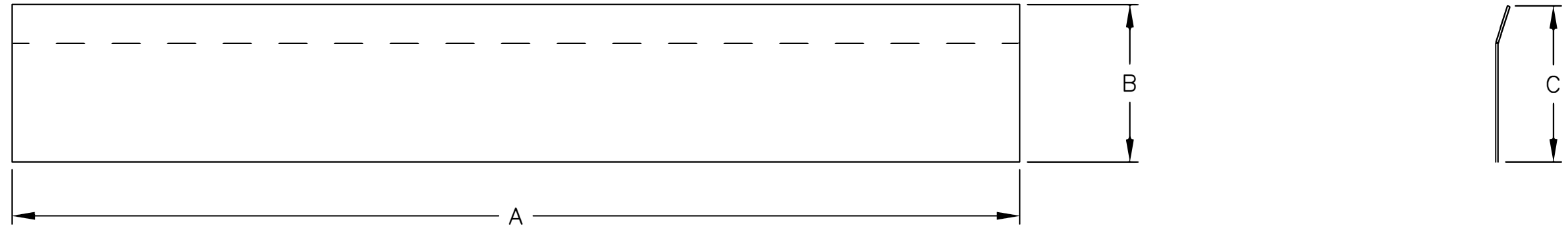
**PRODUCT REVISED**  
 As complying with the Florida  
 Building Code  
 NOA-No. 24-0912.03  
 Expiration Date: 10/02/2029  
 By: *Manuel Fern*  
 Miami-Dade Product Control

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 23-0821.04  
 Expiration Date 10/02/2024  
 By: *RH*  
 Miami-Dade Product Control

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



|   |                          |               |
|---|--------------------------|---------------|
| MAT'L   | A1011 SHEET 14 GA.       |               |
| DRAWN   | JMD                      | 09/05/13      |
| 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"      |               |
| .XXXX=±.001"  | >96" THRU 144"=±1/4"     |               |
| ANGULAR   | >144"=±3/8"              |               |
| ±2'   | (NC)=NO INSPECTION REQ'D |               |
|  <b>LOREN COOK CO.</b><br>MANUFACTURERS OF AIR MOVING EQUIPMENT<br>SPRINGFIELD, MISSOURI |                          |               |
| CP FANE WITH INLET BOX<br>AND CURB CAP<br>HURRICANE RATED   |                          |               |
| SIZE  | DRAWING NO.              | REV.          |
| B   | SD080717-10              | C             |

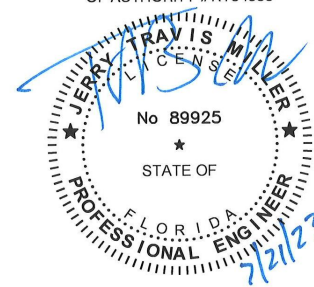



|      |       |      |      |
|------|-------|------|------|
| 245  | 42.50 | 6.70 | 6.66 |
| 225  | 40.31 | 5.96 | 5.92 |
| 210  | 37.75 | 5.96 | 5.92 |
| 195  | 34.38 | 5.20 | 5.16 |
| 180  | 31.94 | 4.98 | 4.93 |
| 165  | 29.63 | 4.29 | 4.26 |
| 150  | 27.50 | 5.96 | 5.92 |
| 135  | 25.00 | 3.95 | 3.90 |
| 120  | 22.63 | 3.95 | 3.90 |
| 100  | 22.63 | 3.95 | 3.90 |
| 80   | 22.63 | 3.95 | 3.90 |
| 70   | 22.63 | 3.95 | 3.90 |
| 60   | 22.63 | 3.95 | 3.90 |
| UNIT | A     | B    | C    |
| SIZE | DIM   | DIM  | DIM  |

**PRODUCT REVISED**  
 As complying with the Florida  
 Building Code  
 NOA-No. 24-0912.03  
 Expiration Date: **10/02/2029**  
 By: Manuel Fern  
 Miami-Dade Product Control

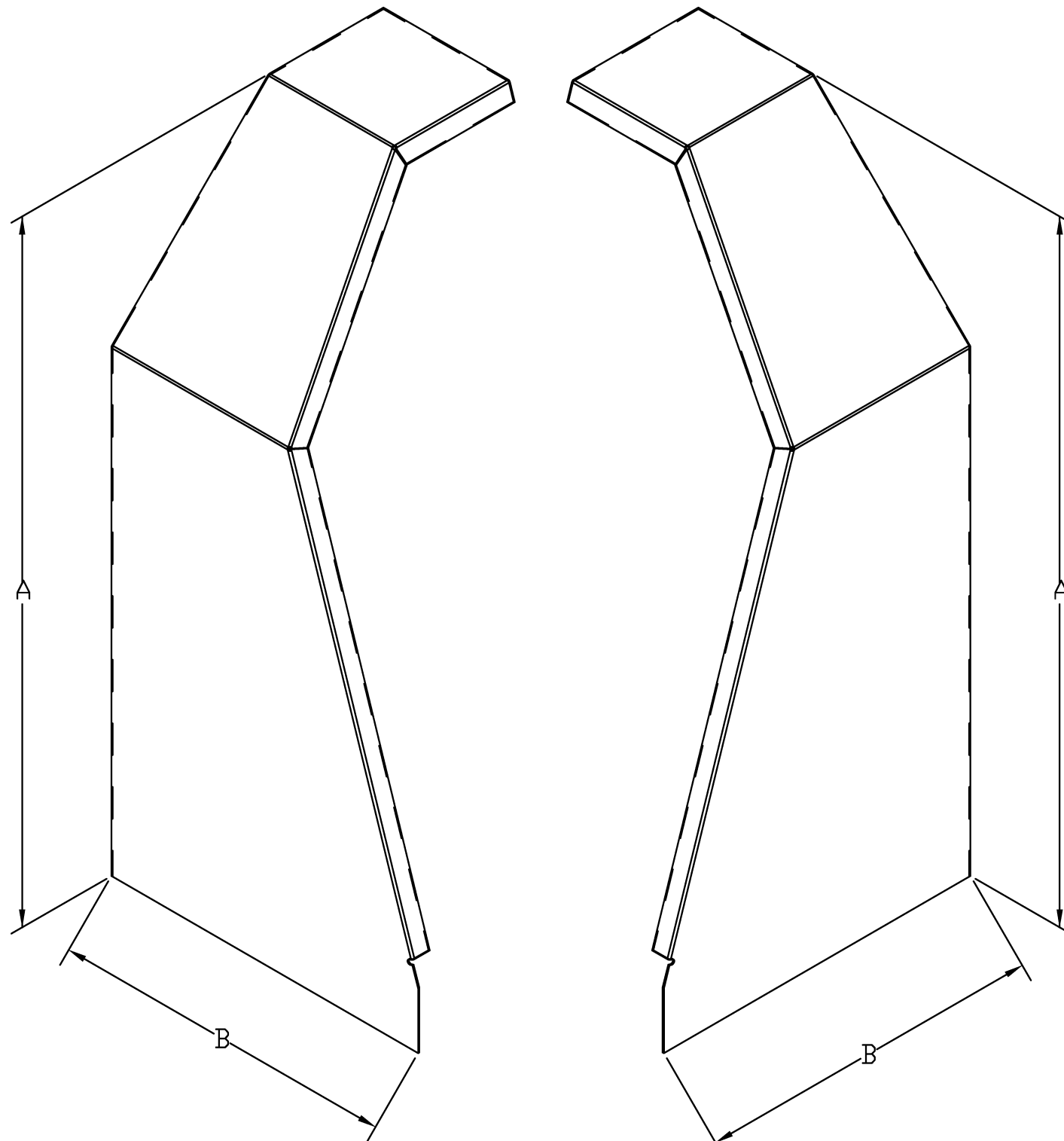
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 23-0821.04  
 Expiration Date 10/02/2024  
 By: [Signature]  
 Miami-Dade Product Control

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



|                                   |                  |                          |   |                                       |             |      |
|-----------------------------------|------------------|--------------------------|---|---------------------------------------|-------------|------|
| MAT'L                             | A1011 HRS 14 GA. |                          |  | <b>LOREN COOK CO.</b>                 |             |      |
| DRAWN                             | JMD              | 09/05/13                 |   | MANUFACTURERS OF AIR MOVING EQUIPMENT |             |      |
| DESIGNER                          | BFS              | SHEET 4 OF 11            | SPRINGFIELD, MISSOURI   |                                       |             |      |
| DO NOT SCALE DRAWING              |                  |                          | CP FAN WITH INLET BOX<br>AND CURB CAP<br>HURRICANE RATED                              |                                       |             |      |
| TOLERANCES UNLESS OTHERWISE NOTED |                  |                          |   |                                       |             |      |
| DECIMAL                           |                  | FRACTIONAL               |   | SIZE                                  | DRAWING NO. | REV. |
| .XX=±.063"                        |                  | ≤12"=±1/16"              |   | B                                     | SD080717-10 | C    |
| .XXX=±.010"                       |                  | >12" THRU 96"=±1/8"      |   |                                       |             |      |
| .XXXX=±.001"                      |                  | >96" THRU 144"=±1/4"     |   |                                       |             |      |
| ANGULAR                           |                  | >144"=±3/8"              |   |                                       |             |      |
| ±2'                               |                  | (NC)=NO INSPECTION REQ'D |   |                                       |             |      |





LEFT SIDE SHOWN

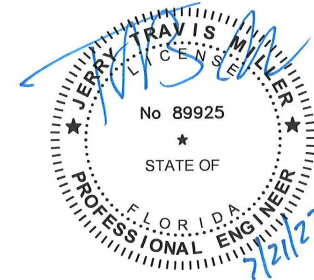
RIGHT SIDE SHOWN


|      |          |        |
|------|----------|--------|
| 245  | 48 11/16 | 24     |
| 225  | 45 7/8   | 22 5/8 |
| 210  | 43 1/8   | 21 1/8 |
| 195  | 39 1/2   | 19 3/8 |
| 180  | 36 9/16  | 18     |
| 165  | 34       | 16 5/8 |
| 150  | 32 3/8   | 15 1/2 |
| 135  | 30       | 14     |
| 120  | 30       | 12 3/4 |
| 100  | 30       | 12 3/4 |
| 80   | 30       | 12 3/4 |
| 70   | 30       | 12 3/4 |
| 60   | 30       | 12 3/4 |
| UNIT | A        | B      |
| SIZE | DIM      | DIM    |

**PRODUCT REVISED**  
 As complying with the Florida  
 Building Code  
 NOA-No. **24-0912.03**  
 Expiration Date: **10/02/2029**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

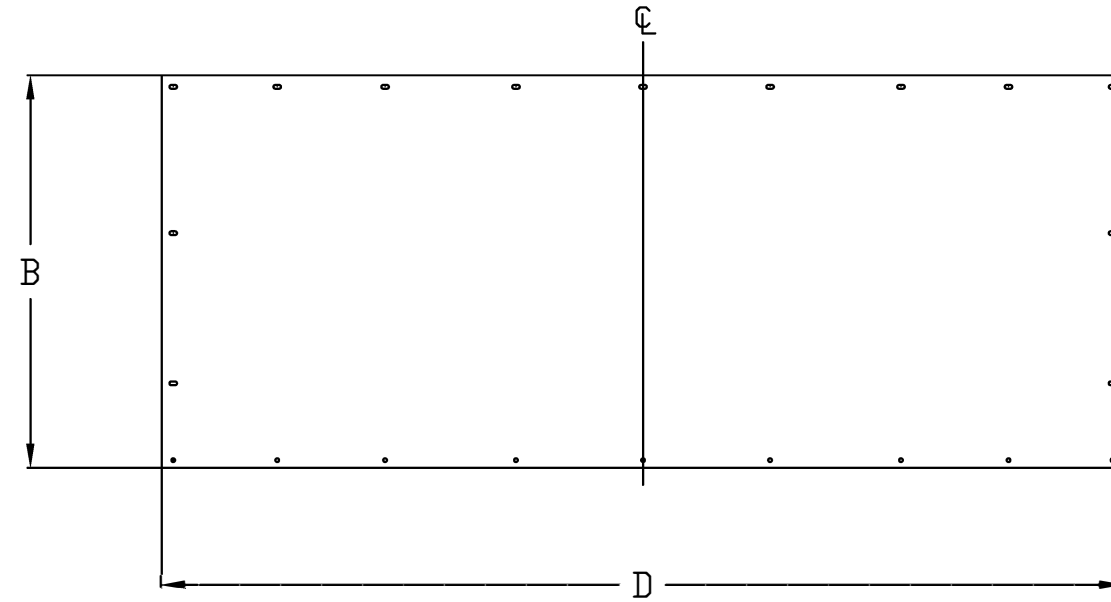
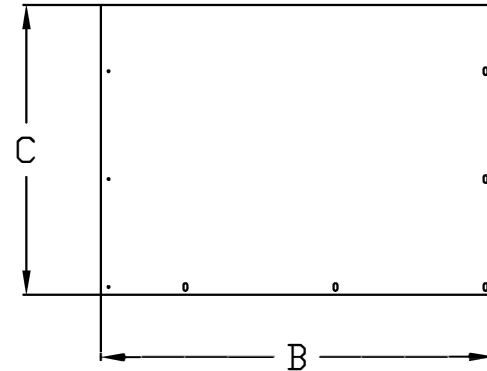
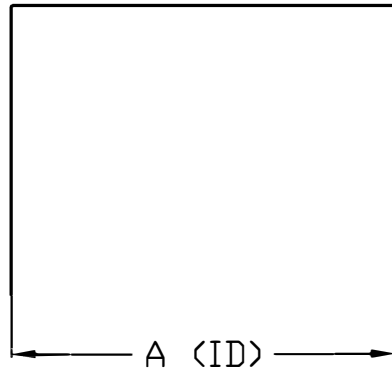
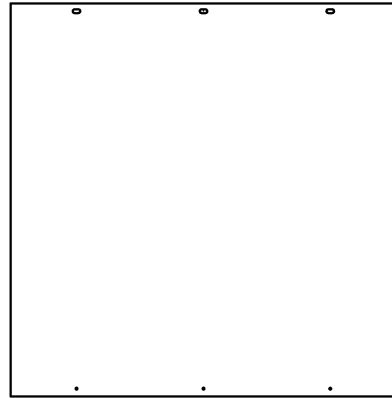
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 23-0821.04  
 Expiration Date 10/02/2024  
 By: *[Signature]*  
 Miami-Dade Product Control

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



|                                   |                        |                          |   |                                       |  |
|-----------------------------------|------------------------|--------------------------|---|---------------------------------------|--|
| MAT'L                             | A1011 HRS SHEET 14 GA. |                          |  | <b>LOREN COOK CO.</b>                 |  |
| DRAWN                             | JMD                    | 09/05/13                 |   | MANUFACTURERS OF AIR MOVING EQUIPMENT |  |
| DESIGNER                          | BFS                    | SHEET 5 OF 11            |   | 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 |   |                                       |  |
| SIZE                              | DRAWING NO.            |                          | REV.  |                                       |  |
| B                                 | SD080717-10            |                          | C   |                                       |  |

CP FAN WITH INLET BOX  
 AND CURB CAP  
 HURRICANE RATED



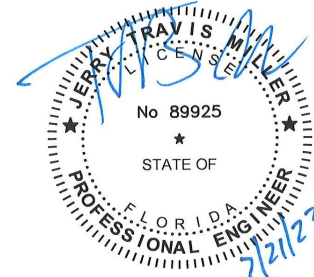
FLAT PATTERN  
PART IS SYMMETRICAL ABOUT C/L


|      |         |         |          |          |
|------|---------|---------|----------|----------|
| 245  | 23 1/8  | 23 3/16 | 16 15/16 | 56 7/8   |
| 225  | 21 1/16 | 23 3/16 | 15 15/16 | 52 13/16 |
| 210  | 20 1/16 | 23 3/16 | 15 7/16  | 50 13/16 |
| 195  | 18 1/16 | 22 3/16 | 13 15/16 | 45 13/16 |
| 180  | 18 1/16 | 19 3/16 | 13 7/16  | 44 13/16 |
| 165  | 16 1/16 | 19 3/16 | 12 9/16  | 41 1/16  |
| 150  | 16 1/16 | 19 3/16 | 11 9/16  | 39 1/16  |
| 135  | 16 1/16 | 19 3/16 | 10 9/16  | 37 1/16  |
| 120  | 16 1/16 | 17 3/16 | 9 13/16  | 35 9/16  |
| 100  | 16 1/16 | 17 3/16 | 8 13/16  | 33 9/16  |
| UNIT | A       | B       | C        | D        |
| SIZE | DIM     | DIM     | DIM      | DIM      |

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As complying with the Florida  
Building Code  
NOA-No. **24-0912.03**  
Expiration Date: **10/02/2029**  
By: *Manuel Perez*  
Miami-Dade Product Control

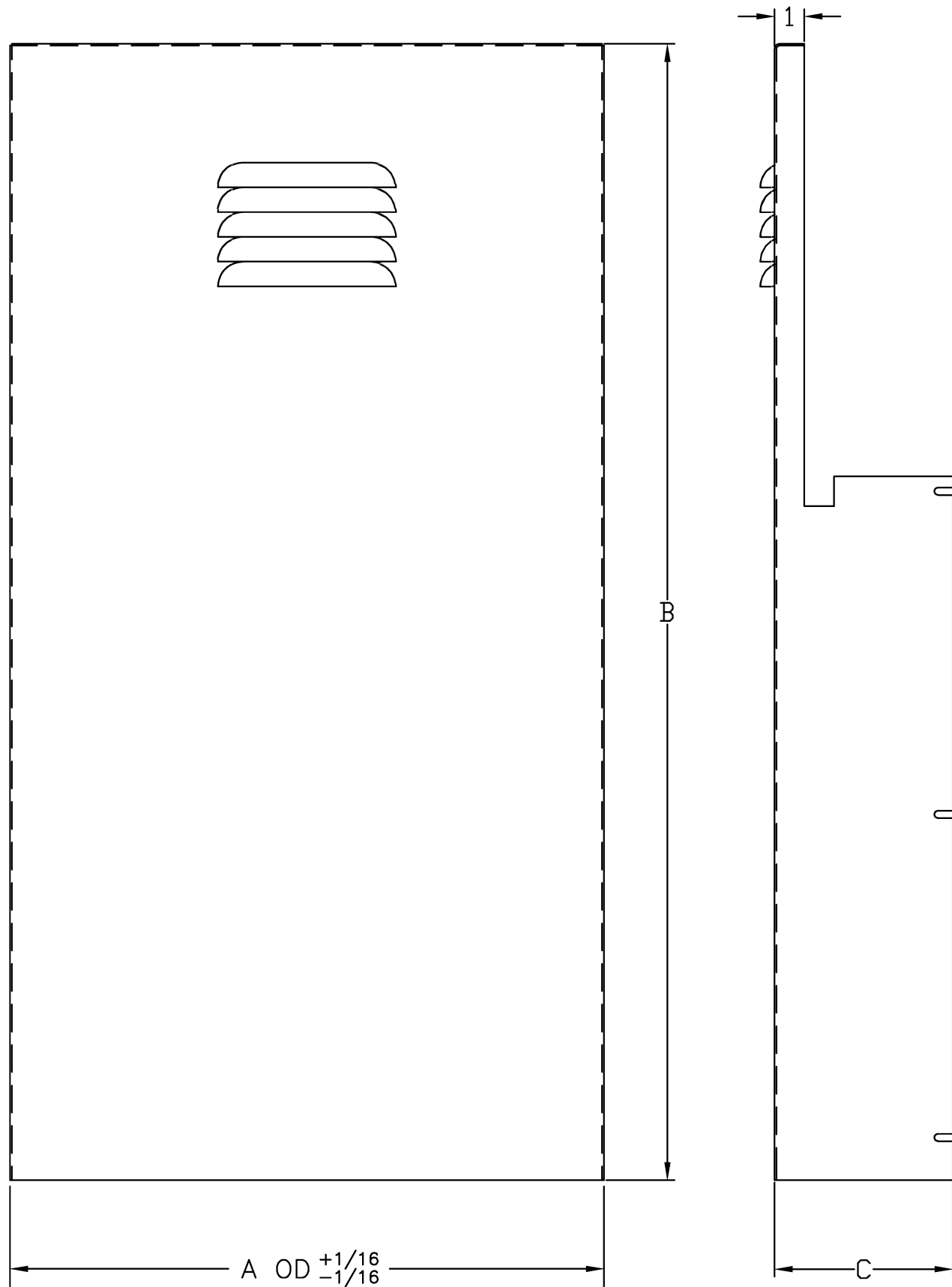
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0821.04  
Expiration Date 10/02/2024  
By: *[Signature]*  
Miami-Dade Product Control

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



|                                   |                   |                          |   |
|-----------------------------------|-------------------|--------------------------|---|
| MAT'L                             | A1011 STL. 16 GA. |                          |  <b>LOREN COOK CO.</b><br>MANUFACTURERS OF AIR MOVING EQUIPMENT<br>SPRINGFIELD, MISSOURI |
| DRAWN                             | JMD               | 09/05/13                 |   |
| DESIGNER                          | BFS               | SHEET 6 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 |   |
| SIZE                              | DRAWING NO.       |                          | REV.  |
| B                                 | SD080717-10       |                          | C   |

CP FAN WITH INLET BOX  
AND CURB CAP  
HURRICANE RATED

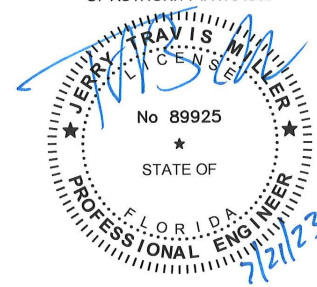



|         |      |     |          |     |
|---------|------|-----|----------|-----|
| 245     | 250  | 23  | 44       | 6   |
| 225     | 220  | 21  | 40 3/8   | 6   |
| 210     | -    | 20  | 38 1/4   | 6   |
| 195     | -    | 18  | 35 1/8   | 5   |
| 180     | 180  | 18  | 33       | 5   |
| 165     | -    | 16  | 30 7/8   | 5   |
| 150     | 150  | 16  | 28 1/2   | 5   |
| 135     | -    | 16  | 26 3/8   | 5   |
| 120     | 120  | 16  | 25 5/8   | 5   |
| 100     | 100  | 16  | 24 11/16 | 5   |
| CPS/CPV | CPFB | A   | B        | C   |
| SIZE    |      | DIM | DIM      | DIM |

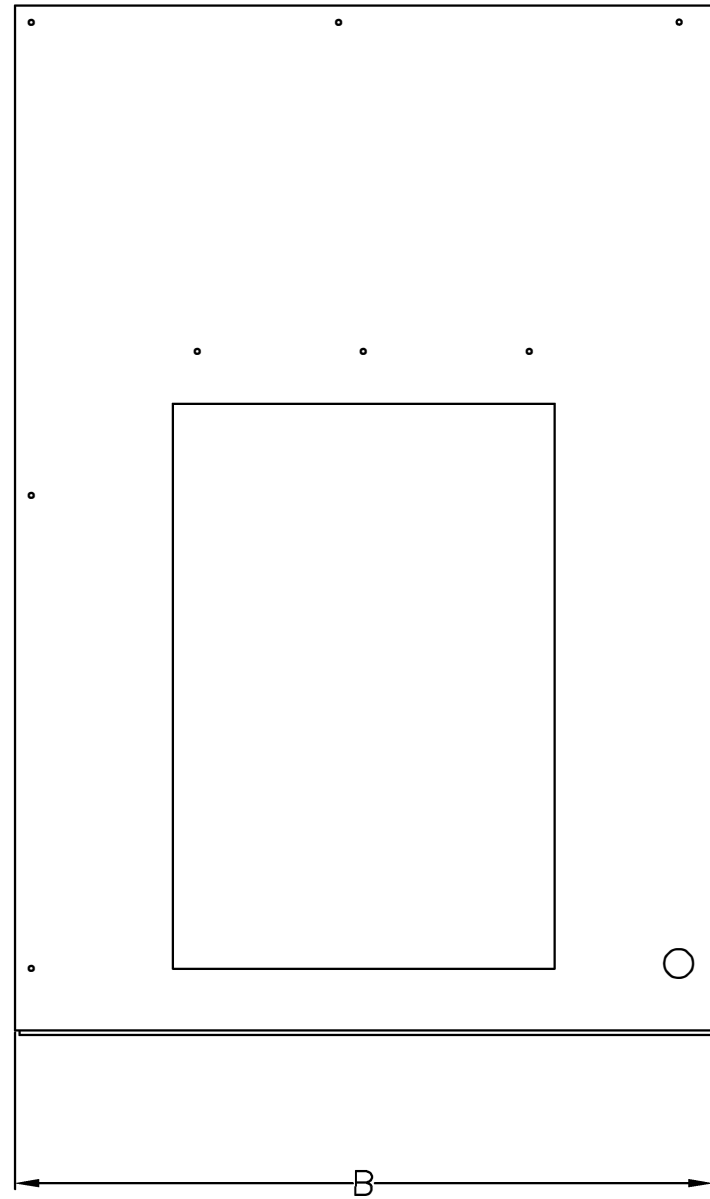
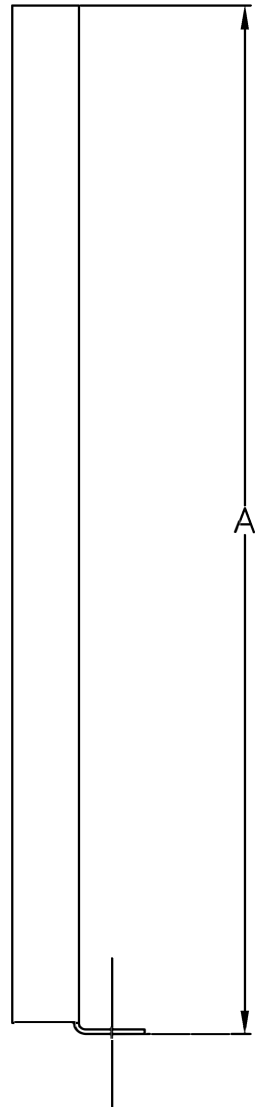
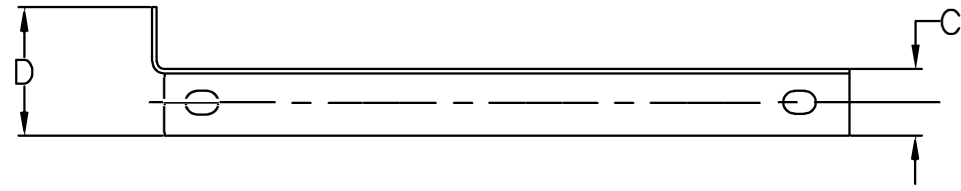
**PRODUCT REVISED**  
 As complying with the Florida  
 Building Code  
 NOA-No. **24-0912.03**  
 Expiration Date: **10/02/2029**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

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 NOA-No. 23-0821.04  
 Expiration Date 10/02/2024  
 By: *[Signature]*  
 Miami-Dade Product Control

JERRY TRAVIS MILLER- ENGINEER  
 FLORIDA LICENSE #89925  
 FLORIDA STATE CERTIFICATE  
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|   |                       |                          |   |
|---|-----------------------|--------------------------|---|
| MAT'L   | A1011 HR STEEL 18 GA. |                          |  <b>LOREN COOK CO.</b><br>MANUFACTURERS OF AIR MOVING EQUIPMENT<br>SPRINGFIELD, MISSOURI |
| DRAWN   | JMD                   | 09/05/13                 |   |
| DESIGNER  | BFS                   | SHEET 7 OF 11            |   |
| DO NOT SCALE DRAWING<br>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 |   |
| CP FAN WITH INLET BOX<br>AND CURB CAP<br>HURRICANE RATED  |                       |                          |   |
| SIZE  | DRAWING NO.           |                          | REV.  |
| B   | SD080717-10           |                          | C   |

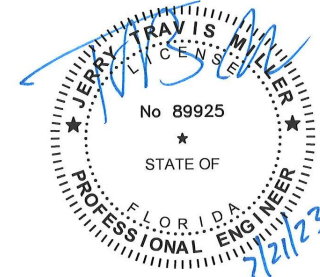



|      |          |     |       |       |        |
|------|----------|-----|-------|-------|--------|
| 245  | 28 15/16 | 18  | 2     | 3 7/8 | 10 GA. |
| 225  | 26 5/16  | 18  | 1 1/2 | 2 7/8 | 10 GA. |
| 210  | 24 11/16 | 18  | 1 1/2 | 2 7/8 | 10 GA. |
| 195  | 23       | 18  | 1 1/2 | 2 7/8 | 10 GA. |
| UNIT | A        | B   | C     | D     | E      |
| SIZE | DIM      | DIM | DIM   | DIM   | DIM    |

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 As complying with the Florida  
 Building Code  
 NOA-No. 24-0912.03  
 Expiration Date: 10/02/2029  
 By: *Manuel Perez*  
 Miami-Dade Product Control

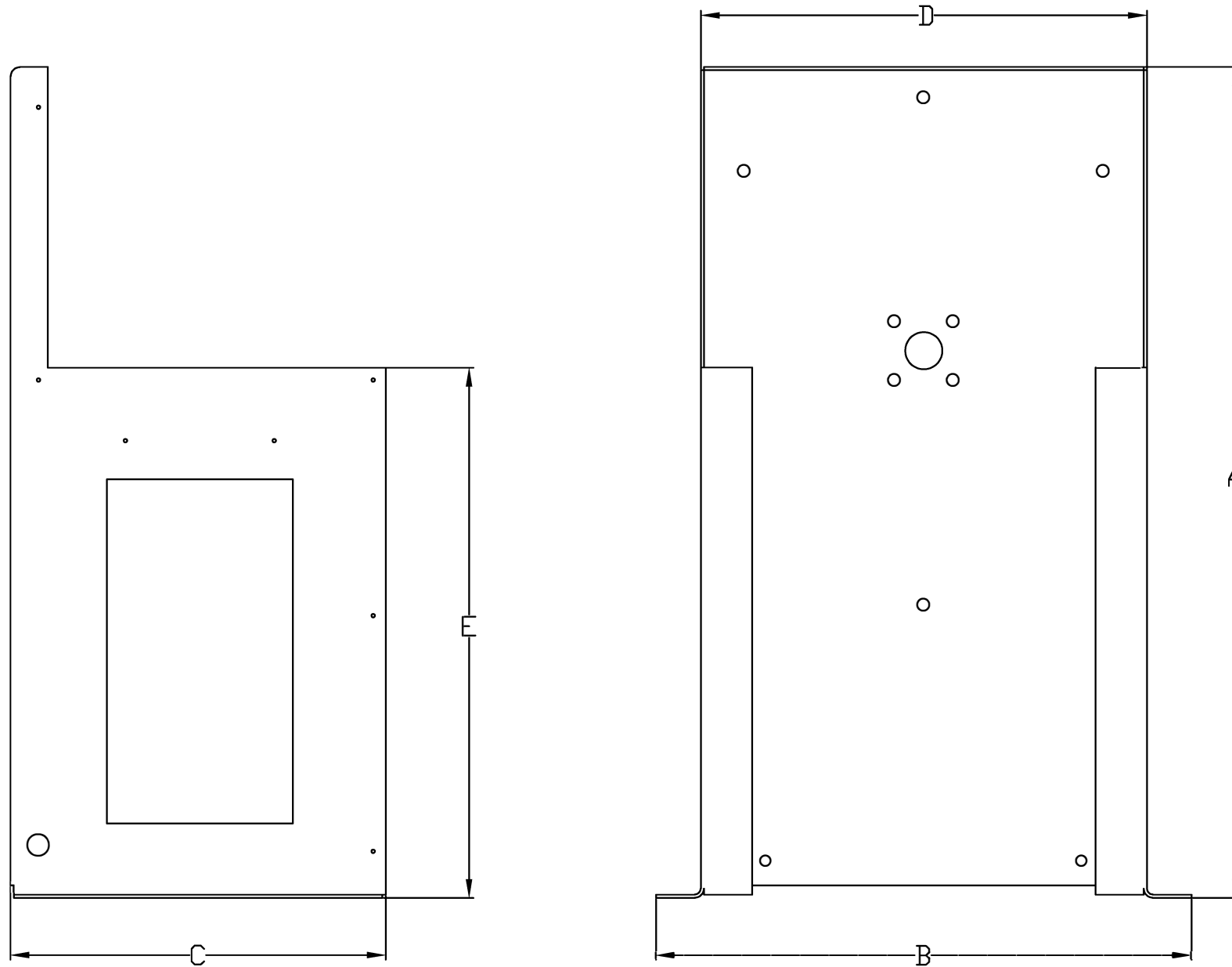
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 23-0821.04  
 Expiration Date 10/02/2024  
 By: *R. Torres*  
 Miami-Dade Product Control

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



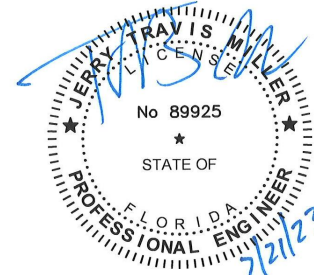
|                                   |                        |               |   |             |      |
|-----------------------------------|------------------------|---------------|---|-------------|------|
| MAT'L                             | A1011 SHEET STL, E GA. |               |  <b>LOREN COOK CO.</b><br>MANUFACTURERS OF AIR MOVING EQUIPMENT<br>SPRINGFIELD, MISSOURI |             |      |
| DRAWN                             | JMD                    | 09/05/13      |   |             |      |
| DESIGNER                          | BFS                    | SHEET 8 OF 11 |   |             |      |
| DO NOT SCALE DRAWING              |                        |               | <b>CP FAN WITH INLET BOX<br/>         AND CURB CAP<br/>         HURRICANE RATED</b>   |             |      |
| TOLERANCES UNLESS NOTED OTHERWISE |                        |               |   |             |      |
| DECIMAL                           | FRACTIONAL             |               | SIZE  | DRAWING NO. | REV. |
| .XX=±.063"                        | ≤12"=±1/16"            |               | B   | SD080717-10 | C    |
| .XXX=±.010"                       | >12" THRU 96"=±1/8"    |               |   |             |      |
| .XXXX=±.001"                      | >96" THRU 144"=±1/4"   |               |   |             |      |
| ANGULAR                           | >144"=±3/8"            |               | (NC)=NO INSPECTION REQUIRED   |             |      |

NOTES:  
 1. 2 REQUIRED, BEND ONE OPPOSITE




|      |          |        |        |     |          |        |
|------|----------|--------|--------|-----|----------|--------|
| 180  | 33 1/2   | 20 3/4 | 15 1/8 | 18  | 21 3/8   | 10 GA. |
| 165  | 31 3/8   | 18 3/4 | 15 1/8 | 16  | 20 1/8   | 10 GA. |
| 150  | 29       | 18 3/4 | 15 1/8 | 16  | 18 3/4   | 12 GA. |
| 135  | 26 15/16 | 18 3/4 | 15 1/8 | 16  | 17 11/16 | 12 GA. |
| 120  | 26 3/16  | 18 3/4 | 13 1/8 | 16  | 17 11/16 | 12 GA. |
| 100  | 25 3/16  | 18 3/4 | 13 1/8 | 16  | 17 11/16 | 12 GA. |
| SIZE | A        | B      | C      | D   | E        | F      |
| UNIT | DIM      | DIM    | DIM    | DIM | DIM      | DIM    |

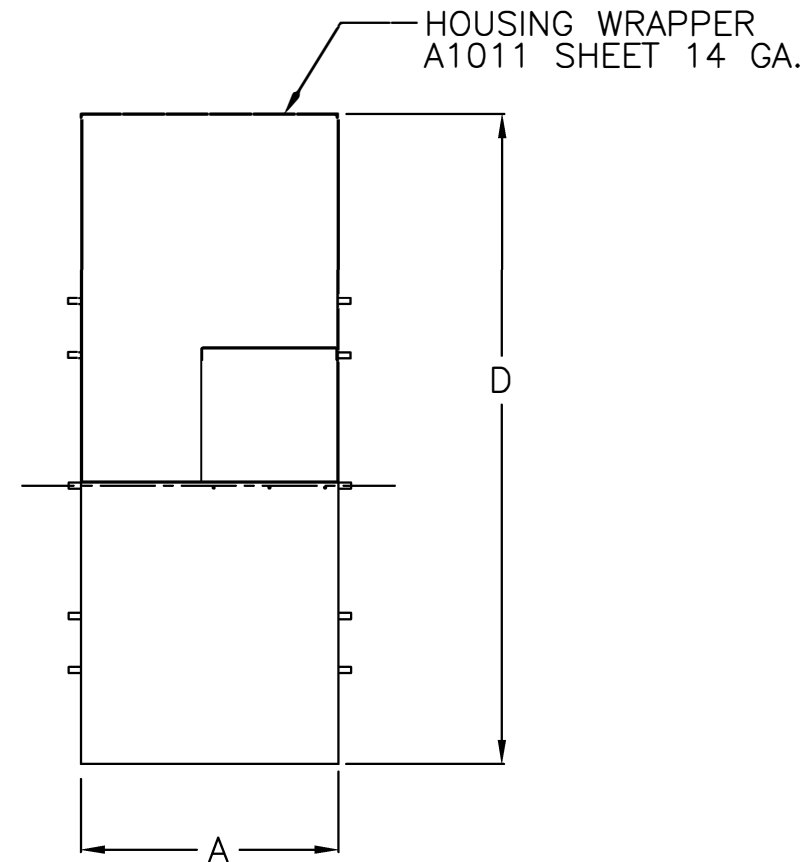
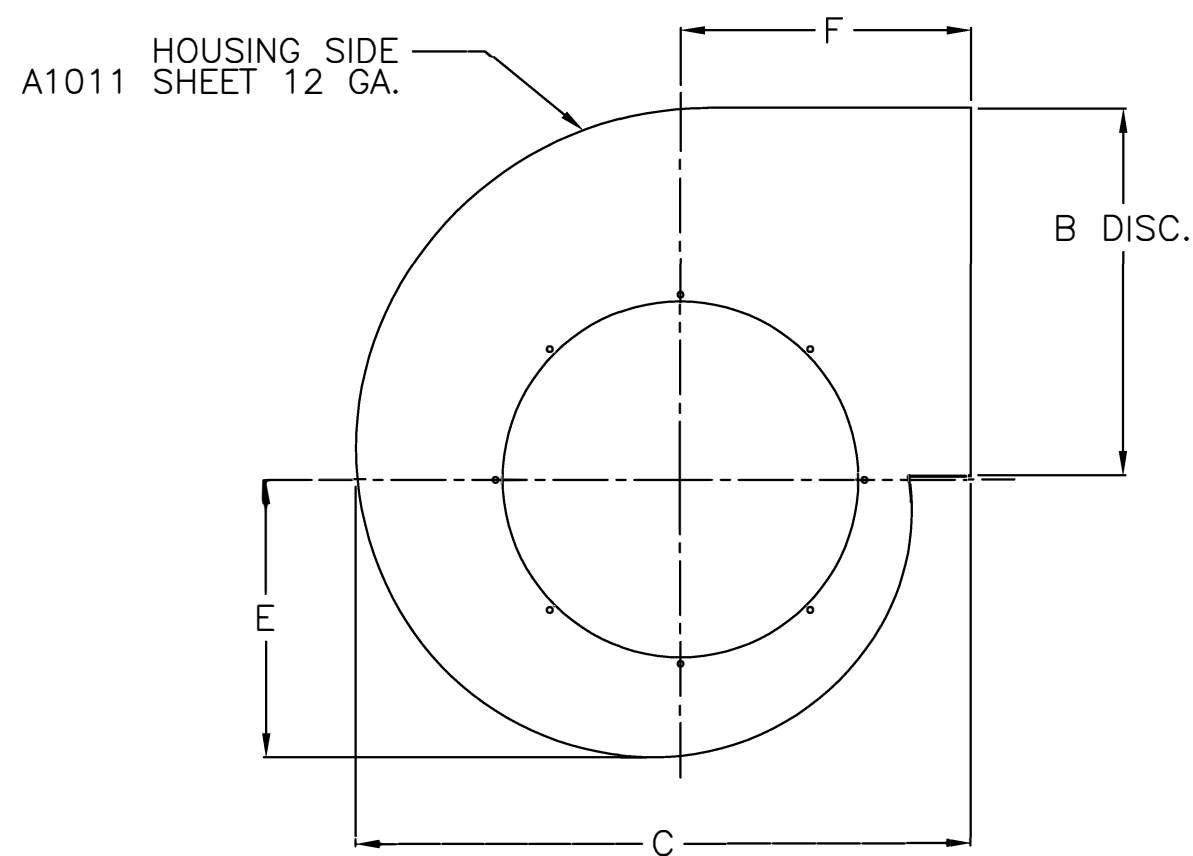
JERRY TRAVIS MILLER- ENGINEER  
 FLORIDA LICENSE #89925  
 FLORIDA STATE CERTIFICATE  
 OF AUTHORITY #RY34386



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 As complying with the Florida  
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 Expiration Date: **10/02/2029**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

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 Expiration Date 10/02/2024  
 By: *[Signature]*  
 Miami-Dade Product Control

|                                   |                         |               |  |
|-----------------------------------|-------------------------|---------------|--|
| MAT'L                             | A1011 HRS F GA.         |               |  <b>LOREN COOK CO.</b><br><small>MANUFACTURERS OF AIR MOVING EQUIPMENT<br/>         SPRINGFIELD, MISSOURI</small> |
| DRAWN                             | JMD                     | 09/05/13      |  |
| DESIGNER                          | BFS                     | SHEET 9 OF 11 |  |
| DO NOT SCALE DRAWING              |                         |               | <b>CP FAN WITH INLET BOX<br/>         AND CURB CAP<br/>         HURRICANE RATED</b>  |
| TOLERANCES UNLESS OTHERWISE NOTED |                         |               |  |
| DECIMAL                           | FRACTIONAL              |               | SIZE   |
| .XX=±.063"                        | ≤12"=±1/16"             |               | DRAWING NO.  |
| .XXX=±.010"                       | >12" THRU 96"=±1/8"     |               |  |
| .XXXX=±.001"                      | >96" THRU 144"=±1/4"    |               | REV.   |
| ANGULAR                           | >144"=±3/8"             |               |  |
| ±2'                               | (NC)=NO INSPECTDN REQ'D |               | B  |
|                                   |                         |               | SD080717-10  |
|                                   |                         |               | C  |

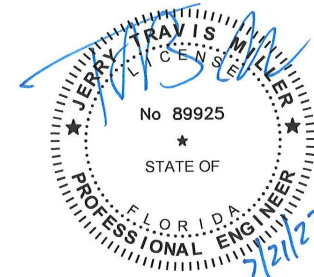



|      |          |          |          |          |          |          |
|------|----------|----------|----------|----------|----------|----------|
| 245  | 18 3/4   | 26 13/16 | 45 1/16  | 46 1/2   | 20 1/16  | 21 3/4   |
| 225  | 17 3/16  | 24 5/8   | 42       | 42 13/16 | 18 7/16  | 20 5/8   |
| 210  | 16 1/16  | 23       | 39 15/16 | 40 1/16  | 17 3/16  | 20       |
| 195  | 14 15/16 | 21 5/16  | 36 5/16  | 37 1/8   | 15 15/16 | 17 13/16 |
| 180  | 13 3/4   | 19 11/16 | 34 3/4   | 34 3/16  | 14 3/4   | 17 5/8   |
| 165  | 12 5/8   | 18 1/16  | 32 1/16  | 31 5/16  | 13 1/2   | 16 3/8   |
| 150  | 11 7/16  | 16 7/16  | 29 9/16  | 29 1/2   | 12 15/16 | 15 5/16  |
| 135  | 10 5/16  | 14 3/4   | 26 11/16 | 25 3/4   | 11 1/16  | 13 7/8   |
| 120  | 9 3/16   | 13 1/8   | 24 13/16 | 22 13/16 | 9 13/16  | 13 3/8   |
| 100  | 7 9/16   | 10 15/16 | 22 1/4   | 19       | 8 1/16   | 12 3/4   |
| UNIT | A        | B        | C        | D        | E        | F        |
| SIZE | DIM      | DIM      | DIM      | DIM      | DIM      | DIM      |

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 Expiration Date: **10/02/2029**  
 By: *Manuel Perez*  
 Miami-Dade Product Control

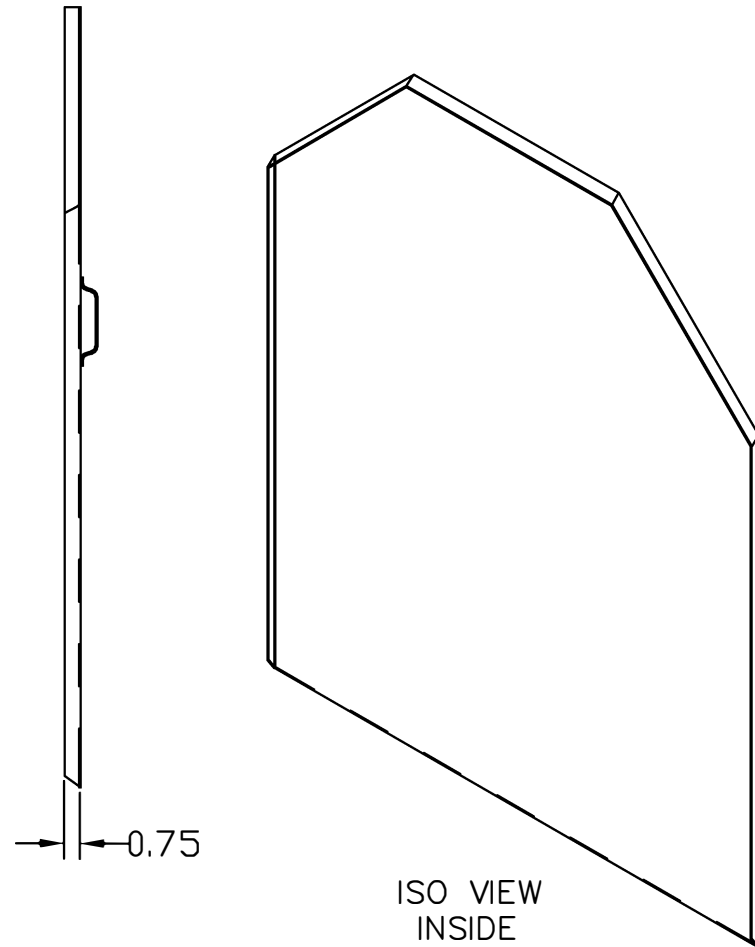
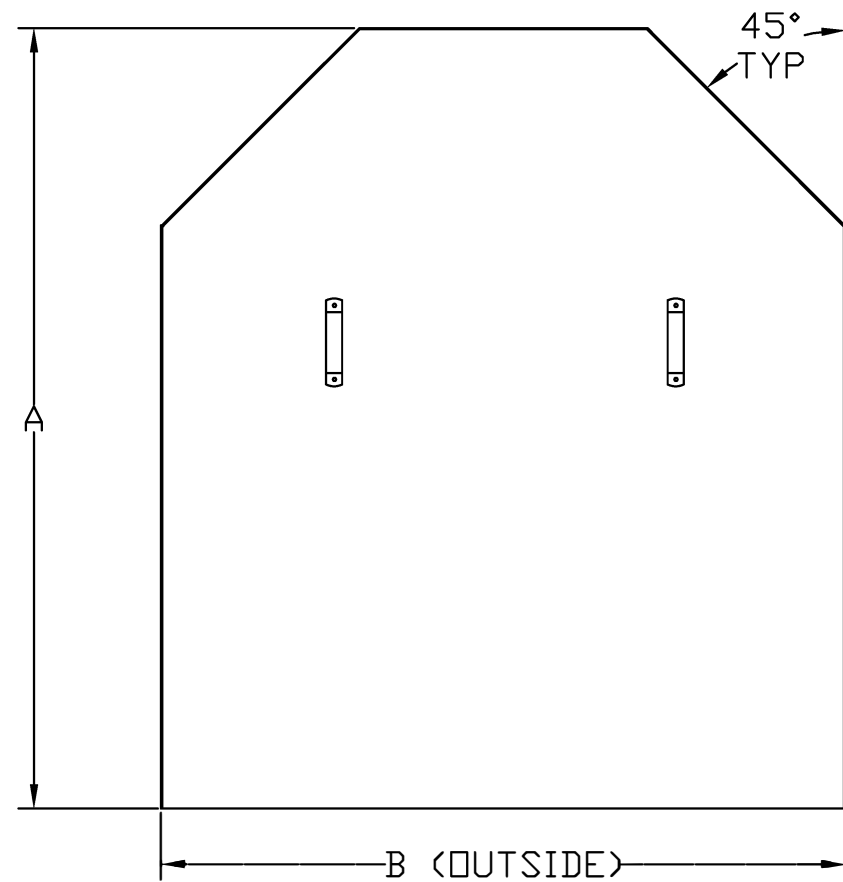
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 Expiration Date 10/02/2024  
 By: *[Signature]*  
 Miami-Dade Product Control

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



| MAT'L                             | SEE NOTE                 |                |  <b>LOREN COOK CO.</b><br><small>MANUFACTURERS OF AIR MOVING EQUIPMENT<br/>         SPRINGFIELD, MISSOURI</small> |
|-----------------------------------|--------------------------|----------------|--|
| DRAWN                             | JMD                      | 09/05/13       |  |
| 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"      |                |  |
| .XXX=±.001"                       | >96" THRU 144"=±1/4"     |                |  |
| ANGULAR                           | >144"=±3/8"              |                |  |
| ±2'                               | (NC)=NO INSPECTION REQ'D |                |  |
| SIZE                              | DRAWING NO.              | REV.           |  |
| B                                 | SD080717-10              | C              |  |

CP FAN WITH INLET BOX  
 AND CURB CAP  
 HURRICANE RATED



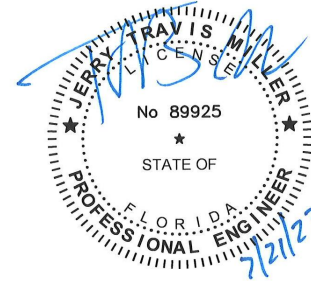
(PART SYMMETRICAL AROUND CENTERLINE)


|      |       |         |
|------|-------|---------|
| 245  | 48.66 | 42 5/8  |
| 225  | 45.94 | 40 9/16 |
| 210  | 43.19 | 38      |
| 195  | 39.52 | 34 1/2  |
| 180  | 36.57 | 32 1/8  |
| 165  | 34.01 | 29 3/4  |
| 150  | 32.44 | 27 3/4  |
| 135  | 30.01 | 25 1/8  |
| 120  | 30.01 | 22 3/4  |
| 100  | 30.01 | 22 3/4  |
| 80   | 30.01 | 22 3/4  |
| 70   | 30.01 | 22 3/4  |
| 60   | 30.01 | 22 3/4  |
| UNIT | A     | B       |
| SIZE | DIM   | DIM     |

**PRODUCT REVISED**  
As complying with the Florida  
Building Code  
NOA-No. **24-0912.03**  
Expiration Date: **10/02/2029**  
By: *Manuel Perez*  
Miami-Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-0821.04  
Expiration Date 10/02/2024  
By: *RH*  
Miami-Dade Product Control

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



|   |                        |                          |   |
|---|------------------------|--------------------------|---|
| MAT'L   | A1011 HRS SHEET 14 GA. |                          |  <b>LOREN COOK CO.</b><br>MANUFACTURERS OF AIR MOVING EQUIPMENT<br>SPRINGFIELD, MISSOURI |
| DRAWN   | JMD                    | 09/05/13                 |   |
| DESIGNER  | BFS                    | SHEET 11 OF 11           |   |
| DO NOT SCALE DRAWING<br>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 |   |
| CP FAN WITH INLET BOX<br>AND CURB CAP<br>HURRICANE RATED  |                        |                          | REV.  |
| SIZE  | DRAWING NO.            |                          | REV.  |
| B   | SD080717-10            |                          | C   |