



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

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

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

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model GR Steel and Aluminum Rooftop Gravity Vent

APPROVAL DOCUMENT: Drawing No. **SD080717-14**, titled "GR Gravity Ventilator Hurricane Rated Aluminum and Steel", sheet 1 through 6 of 6, dated 09/03/13, with revision B dated 11/06/2023, prepared by manufacturer, signed and sealed by Jerry T. Miller, P.E. bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews** and **revises** **NOA No. 21-0405.07** 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.**




12/20/23

NOA No. 23-0821.03
Expiration Date: November 13, 2024
Approval Date: December 28, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS *(Submitted under NOA No. 13-0708.09)*

1. Drawing No. **SD080717-14**, titled "GR Gravity Ventilator Hurricane Rated Aluminum and Steel", sheets 1 through 6 of 6, dated 09/03/13, with revision B, prepared by manufacturer, 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
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Series/Model 36" x 36" GR, galvanized steel roof vent, prepared by Architectural Testing, Inc., Test Report No. **79144.01-801-18**, dated 03/03/08, signed and sealed by Jeffrey T. Kaminski, P.E.
(Submitted under NOA No. 08-0908.17)
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 Series/Model 36" x 36" GR, aluminum roof vent, prepared by Architectural Testing, Inc., Test Report No. **79144.02-801-18**, dated 06/19/08, signed and sealed by Jeffrey T. Kaminski, P.E.
(Submitted under NOA No. 08-0908.17)

C. CALCULATIONS

1. Wind loads and anchor verification calculations dated 09/13/13, prepared by manufacturer, signed and sealed by Bradley F. Skidmore, P.E.
(Submitted under NOA No. 13-0708.09)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS *(Submitted under NOA No. 18-0614.02)*

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)** dated 06/08/18, issued by manufacturer, signed and sealed by Bradley F. Skidmore, P.E.
2. Statement letter of no financial interest dated 09/13/13, issued by manufacturer, signed and sealed by Bradley F. Skidmore, P.E. *(Submitted under NOA No. 13-0708.09)*



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0821.03

Expiration Date: November 13, 2024
Approval Date: December 28, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 21-0405.07 AND NEW

A. DRAWINGS

1. Drawing No. **SD080717-14**, titled “GR Gravity Ventilator Hurricane Rated Aluminum and Steel”, sheet 1 through 6 of 6, dated 09/03/13, with revision B dated 11/06/2023, prepared by manufacturer, signed and sealed by Jerry T. Miller, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

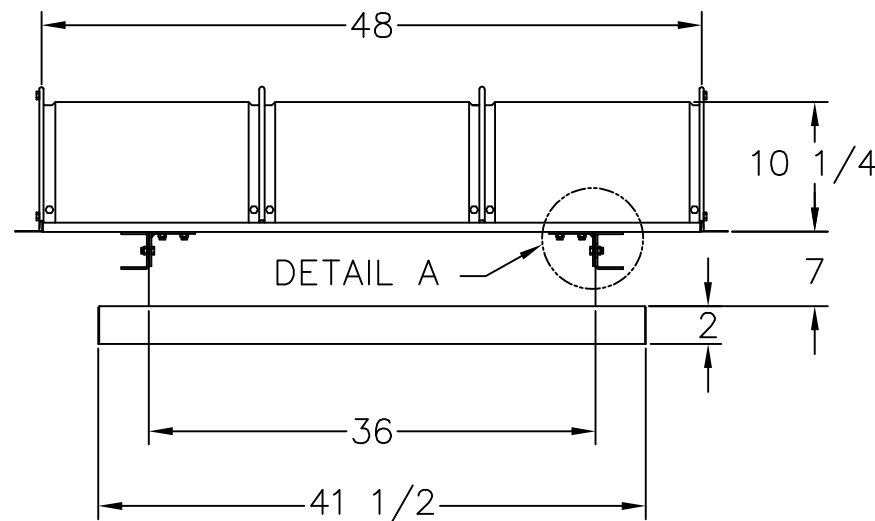
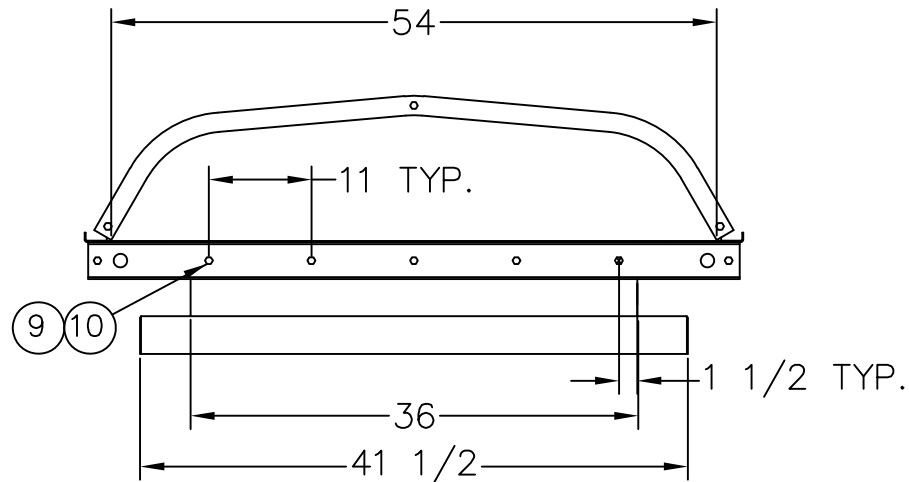
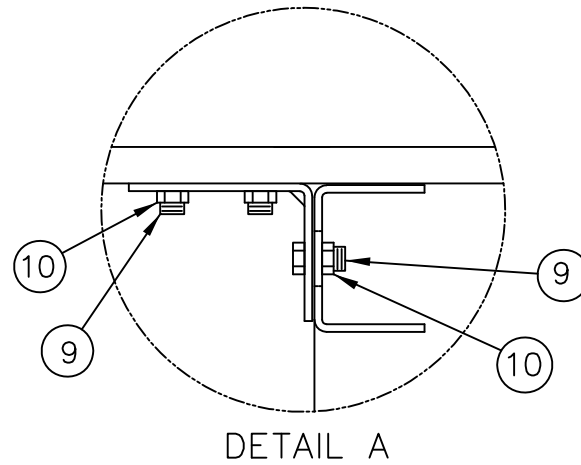
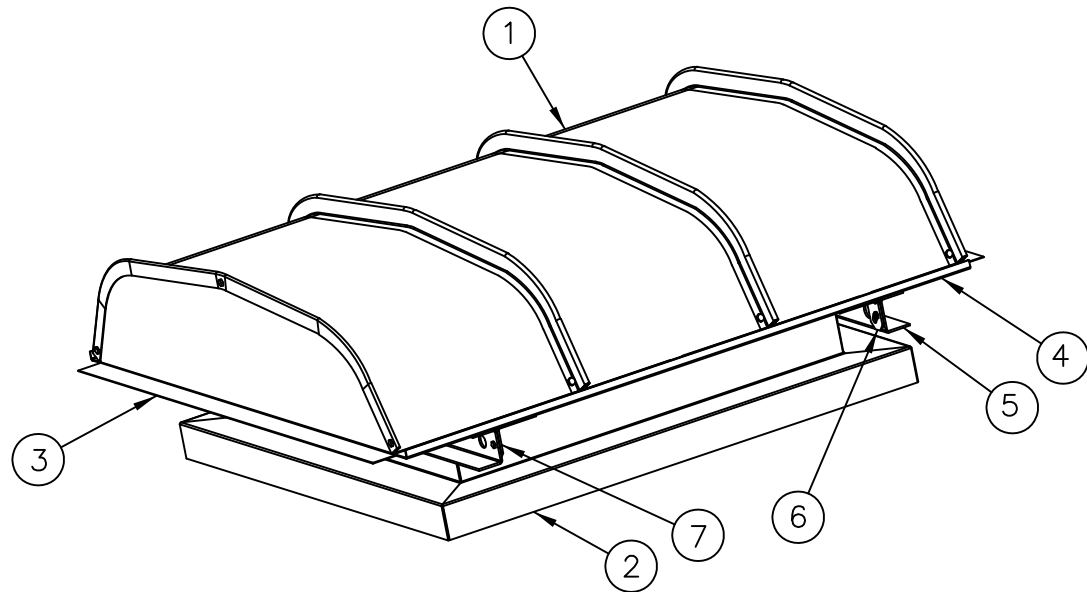
F. STATEMENTS

1. Statement letter of conformance with the 8th edition (2023) of the FBC, issued by Miller Engineering, dated 07/28/2023, signed and sealed by Jerry T. Miller, P.E.
2. Testing contract notification, issued by Intertek, dated 11/17/2023, signed by Cassandra Matthews.
3. Statement letter of conformance, complying with 7th edition (2020) of the FBC, issued by manufacturer, dated March 19, 2021, signed and sealed by Bradley F. Skidmore, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 23-0821.03

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NOTES:

DESIGN PRESSURE:

+/-130PSF - GALVANIZED STEEL CONTRUCTION

+/- 60PSF - ALUMINUM CONSTRUCTION

IMPACT RATING: LARGE MISSILE IMPACT RESISTANT
ALL DIMENSIONS IN INCHES

UNIT SIZE DETERMINED BY INSIDE THROAT DIMENSION
SIZE 36X36 SHOWN

UNIT SIZE NOT TO EXCEED 36X36

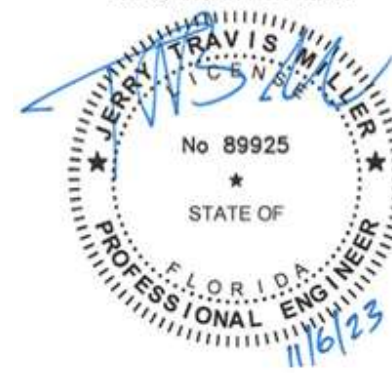
UNIT SIZES SMALLER THAN 36X36 ARE ACCEPTABLE

MINIMUM UNIT SIZE IS 12X12

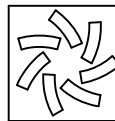
11	AR	-	1/2 x 1/2 GALV. ST.	BIRDSCREEN MESH-.038 WIRE
10	20	-	5/16-18 STEEL	FLANGE NUT-ZINC COATED
9	20	-	5/16-18 X 3/4 ST,	HWH BOLT-ZINC COATED
8	24	-	1/4 X 3/4 STEEL	HWH SELF-DRILL SCREW
7	2	SHEET6	-	GI/GR MOUNTING BRACKET LEFT
6	2	SHEET6	-	GI/GR MOUNTING BRACKET RIGHT
5	2	SHEET4	-	MOUNTING CHANNEL
4	2	SHEET4	-	SECTION RAIL
3	2	SHEET4	-	HOOD END PANEL
2	1	SHEET5	-	BASE WELDMENT
1	4	SHEET3	-	HOOD PANEL
ITEM	QTY	DWG NO.	MATERIAL SPEC.	DESCRIPTION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.03
Expiration Date 11/13/2024
By *[Signature]*
Miami-Dade Product Control

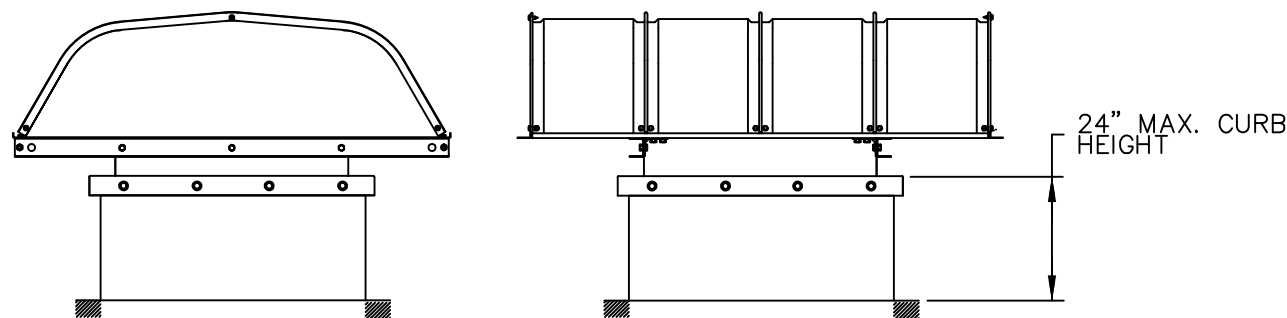
JERRY TRAVIS MILLER- ENGINEER
FLORIDA LICENSE #89925
FLORIDA STATE CERTIFICATE
OF AUTHORITY #RY34386



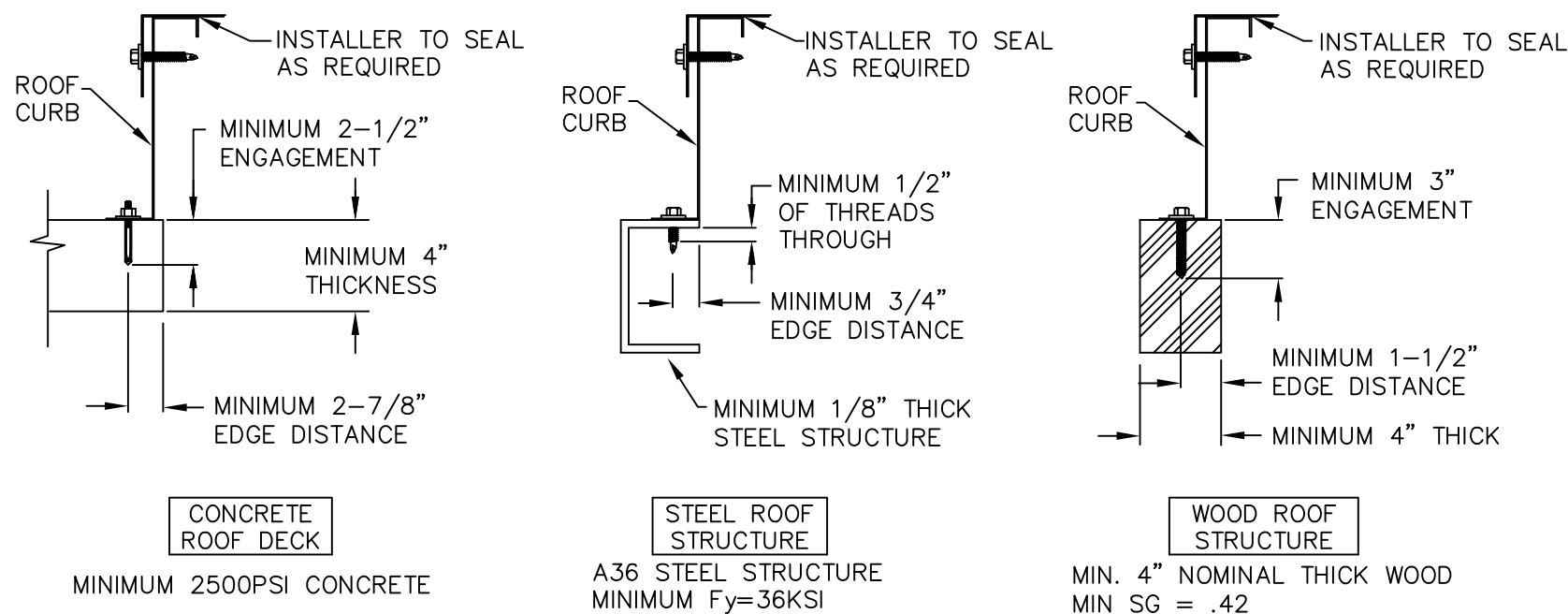
MAT'L		—	
DRAWN	JMD	09/03/13	
DESIGNER	BFS	SHEET 1 OF 6	
DO NOT SCALE DRAWING			
TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL		FRACTIONAL	
.XX=±.063"		≤12"=±1/16"	
.XXX=±.010"		>12" THRU 96"=±1/8"	
.XXXX=±.001"		>96" THRU 144"=±1/4"	
ANGULAR		>144"=±3/8"	
±2°		(NC)=NO INSPECTION REQ'D	

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

GR GRAVITY VENTILATOR			
HURRICANE RATED			
ALUMINUM AND STEEL			
SIZE		DRAWING NO.	
B		SD080717—14	
		REV.	
		B	



ATTACHMENT OF CURB TO ROOF STRUCTURE



NOTES:

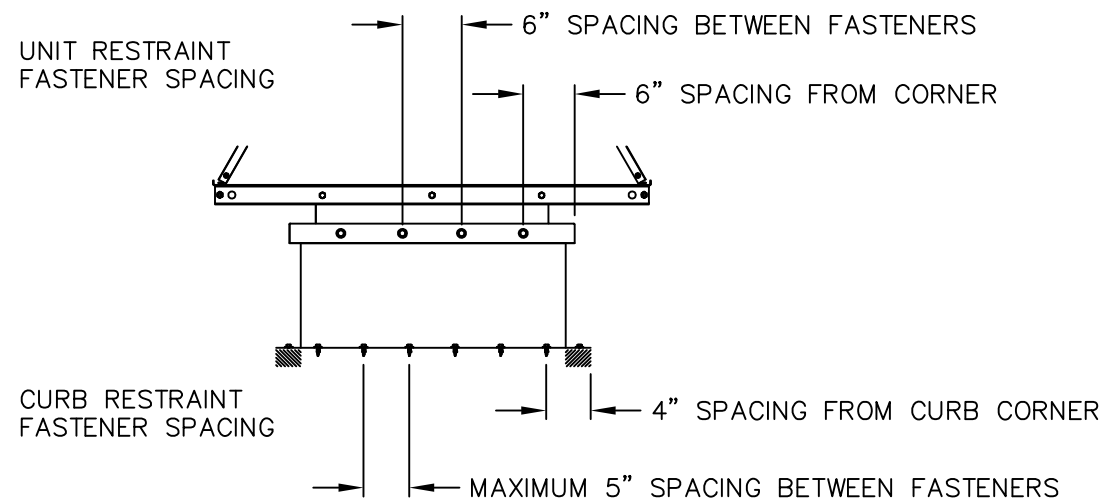
- 1) GR GRAVITY VENTILATOR AS REFERRED TO HEREIN REFERS TO ALL LOREN COOK MODEL GR GRAVITY VENTILATORS IN SIZES DEFINED BY THE INSIDE THROAT DIMENSIONS UP TO SIZE 36 X 36. THE EXTERIOR HOUSING AND COMPONENTS MAY BE CONSTRUCTED OF EITHER GALVANIZED STEEL OR ALUMINUM WITH THE PRESSURE RATINGS DEFINED ON SHEET #1.
- 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 ENVIROMENTAL 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 INSTALLED 4" FROM EACH CORNER AND SPACED 5" THEREAFTER.

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 5" THEREAFTER.

WOOD ROOF STRUCTURE: CURB IS TO BE ATTACHED WITH STEEL LAG BOLTS NOMINAL SIZE OF 3/8" DIAMETER. WOOD IS TO BE 4" NOMINAL SIZE OR GREATER. THE BOLTS SHALL HAVE A MINIMUM OF 3" OF THREAD ENGAGEMENT. BOLTS SHALL BE INSTALLED 4" FROM EACH CORNER AND 5" THEREAFTER.


- 5) THE CURB SHALL BE CONSTRUCTED OF 3003H-14 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 GR GRAVITY 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 6" FROM EACH CORNER OF THE FAN BASE AND SPACED NO GREATER THAN 6" THEREAFTER.
 - 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.

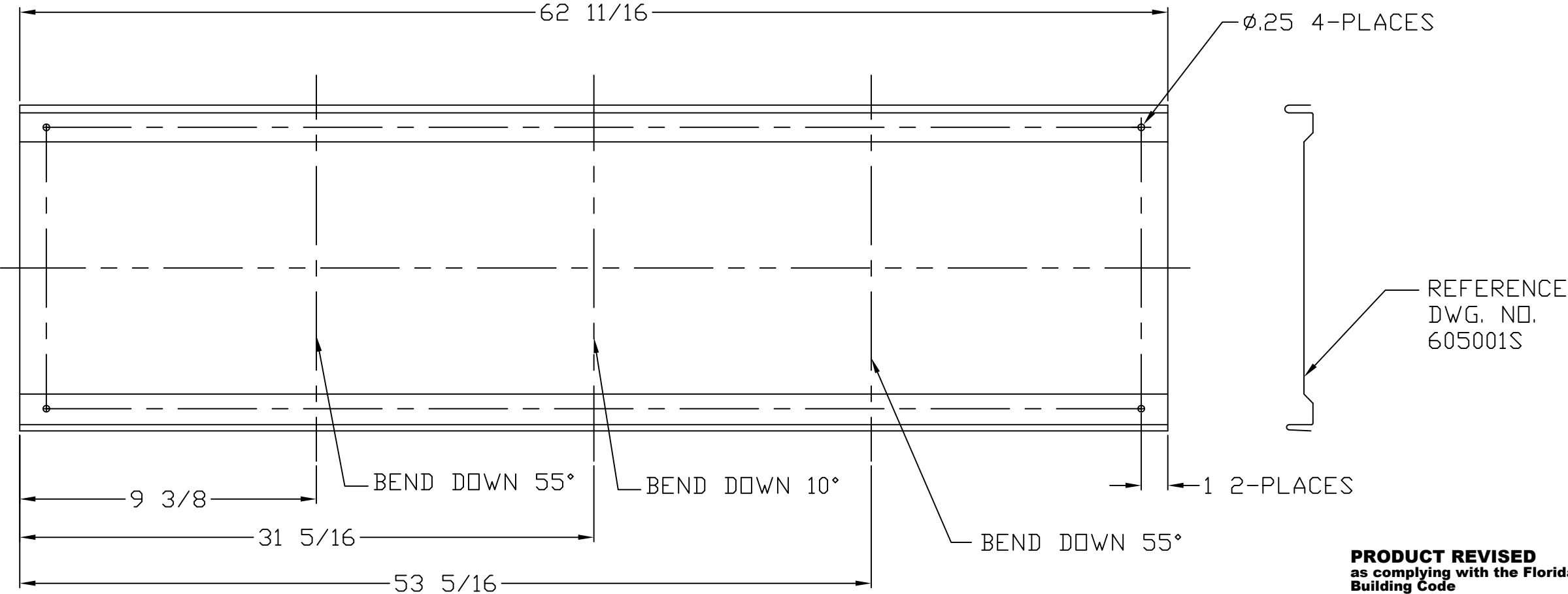


JERRY TRAVIS MILLER- ENGINEER
FLORIDA LICENSE #89925
FLORIDA STATE CERTIFICATE
OF AUTHORITY #RY34386

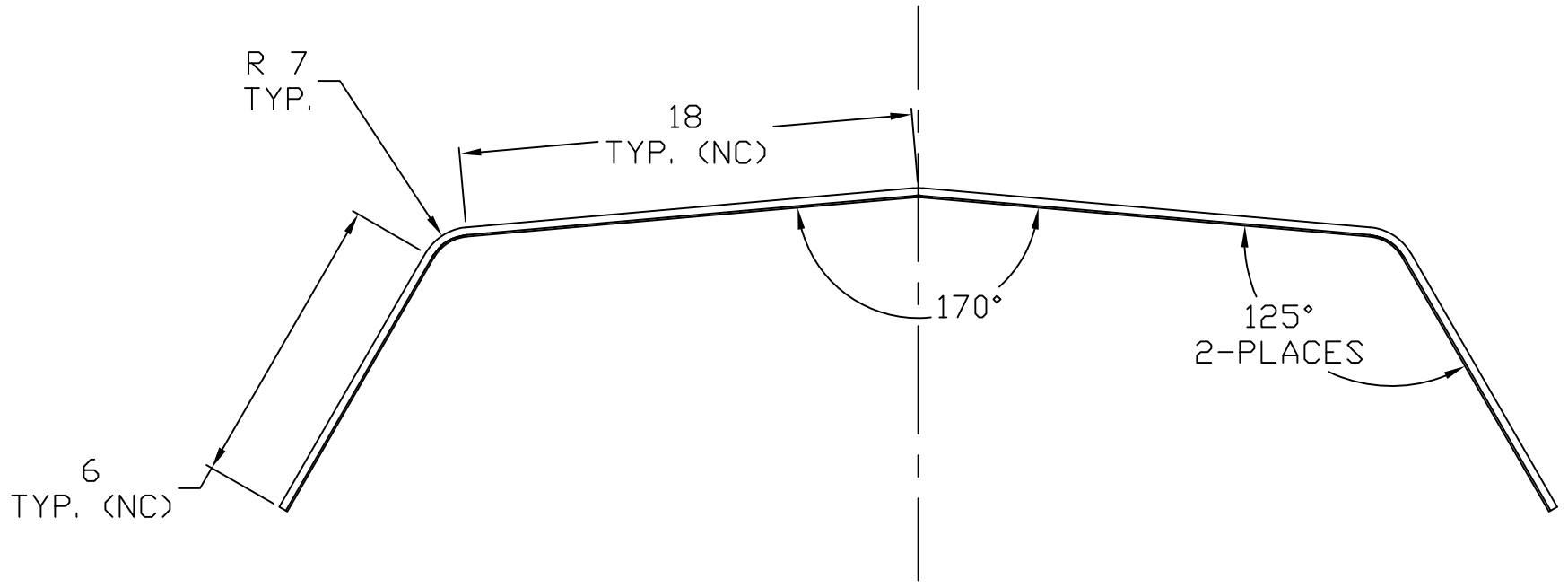


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.03
Expiration Date 11/13/2024
By *[Signature]*
Miami-Dade Product Control

MAT'L			—				LOREN COOK CO.				
DRAWN		JMD	09/03/13		MANUFACTURERS OF AIR MOVING EQUIPMENT						
DESIGNER		BFS	SHEET 2 OF 6		SPRINGFIELD, MISSOURI						
DO NOT SCALE DRAWING						GR GRAVITY VENTILATOR HURRICANE RATED ALUMINUM AND STEEL					
TOLERANCES UNLESS OTHERWISE NOTED											
DECIMAL		FRACTIONAL									
.XX=±.063"		≤12"=±1/16"				SIZE		DRAWING NO.		REV.	
.XXX=±.010"		>12" THRU 96"=±1/8"									
.XXXX=±.001"		>96" THRU 144"=±1/4"									
ANGULAR		≥144"=±3/8"				B		SD080717—14		B	
±2°		(NC)=NO INSPECTION REQ'D									



ITEM 1
HOOD PANEL

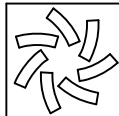


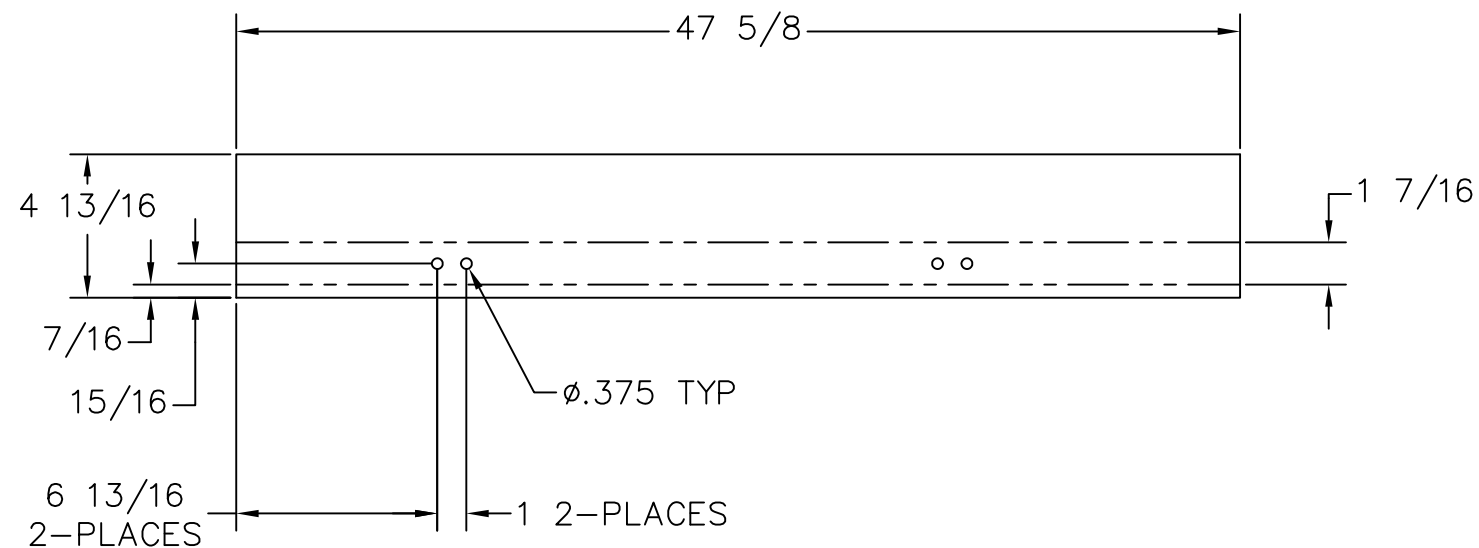
HOOD PANEL SIDE VIEW

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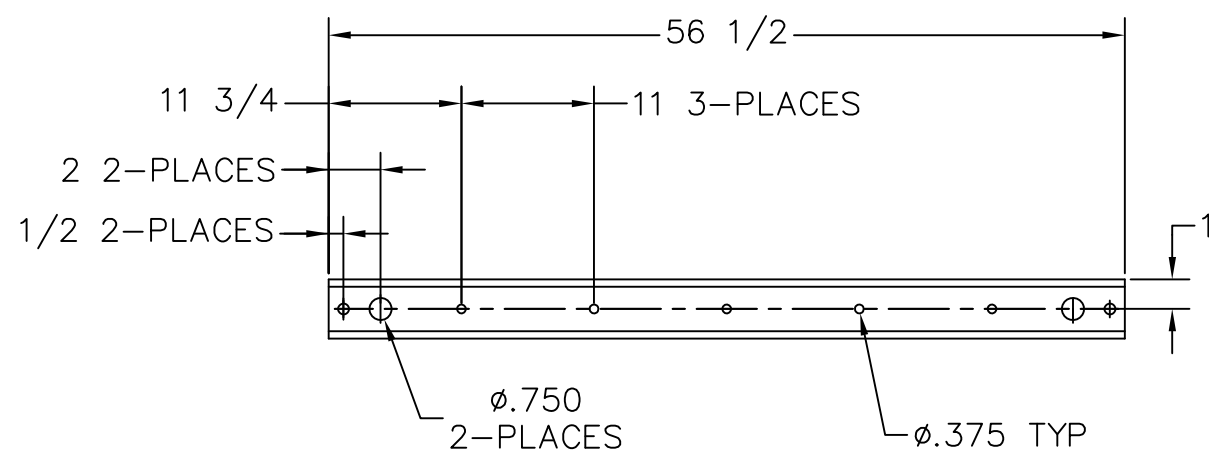


NOTES:
4 HOOD PANEL REQUIRED PER UNIT
MATERIAL: 20 GA. G-90 GALVANIZED STEEL
ALTERNATE CONSTRUCTION: .040 3003-H14 ALUMINUM

MAT'L		SEE NOTES			LOREN COOK CO.	
DRAWN		JMD	09/03/13		MANUFACTURERS OF AIR MOVING EQUIPMENT	
DESIGNER		BFS	SHEET 3 OF 6		SPRINGFIELD, MISSOURI	
DO NOT SCALE DRAWING					GR GRAVITY VENTILATOR HURRICANE RATED ALUMINUM AND STEEL	
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"		SIZE	DRAWING NO.	REV.
±2°		(NC)=NO INSPECTION REQ'D		B	SD080717-14	B

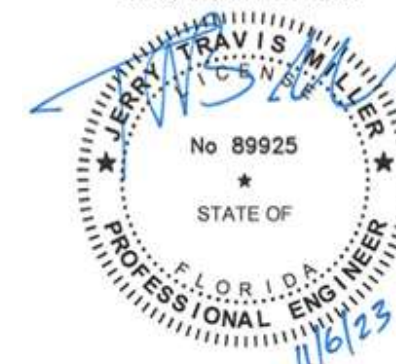



ITEM 2
SECTION RAIL




ITEM 3
MOUNTING CHANNEL

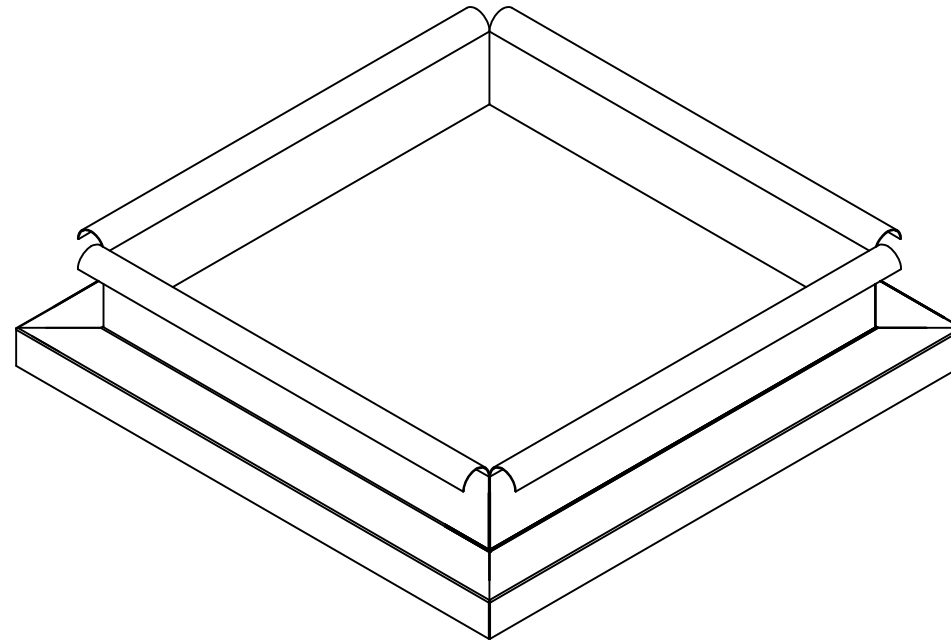
JERRY TRAVIS MILLER- ENGINEER
FLORIDA LICENSE #89925
FLORIDA STATE CERTIFICATE
OF AUTHORITY #RY34386



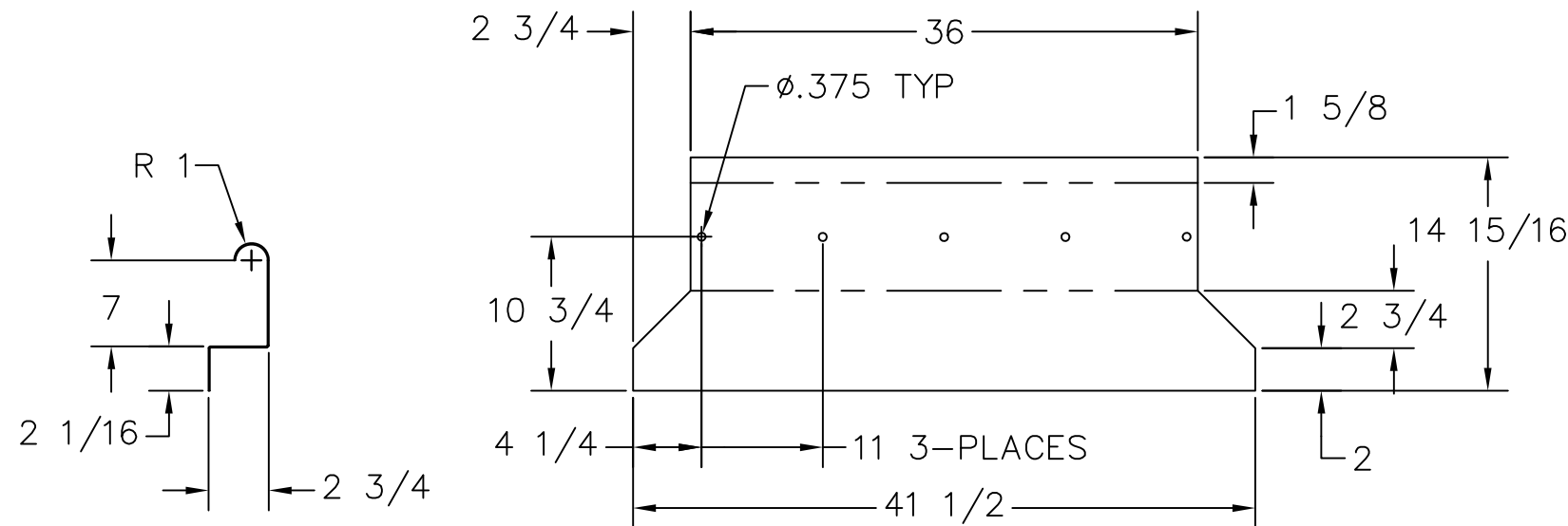
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NOTES:
2 HOOD END PANELS REQUIRED PER UNIT – 18 GA. GALV STEEL/.063 ALUM
2 SECTION RAILS REQUIRED PER UNIT – 16 GA. GALV STEEL/.100 ALUM
2 MOUNTING CHANNELS REQUIRED PER UNIT – 12 GA. GALV STEEL/2 X .130 ALUM
MATERIAL: G-90 GALVANIZED STEEL
ALTERNATE MATERIAL: 3003 H-14 ALUMINUM

MAT'L		SEE NOTES		 LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI
DRAWN	JMD	09/03/13		
DESIGNER	BFS	SHEET 4 OF 6		
DO NOT SCALE DRAWING				
TOLERANCES UNLESS OTHERWISE NOTED				
<u>DECIMAL</u> $.XX = \pm .063"$ $.XXX = \pm .010"$ $.XXXX = \pm .001"$		<u>FRACTIONAL</u> $\leq 12" = \pm 1/16"$ $> 12" \text{ THRU } 96" = \pm 1/8"$ $> 96" \text{ THRU } 144" = \pm 1/4"$ $> 144" = \pm 3/8"$		GR GRAVITY VENTILATOR HURRICANE RATED ALUMINUM AND STEEL
<u>ANGULAR</u> $\pm 2^\circ$		(NC)=NO INSPECTION REQ'D		
SIZE		DRAWING NO.		REV.
B		SD080717-14		B



BASE WELDMENT



ITEM 1
BASE WIDTH SIDE PANEL
8PUNCH HOLES IN TWO PARTS ONLY

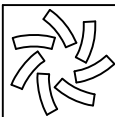
NOTES:
MATERIAL: 16 GA. G-90 GALVANIZE STEEL
ALTERNATE MATERIAL: .080 3003 H-14 ALUMINUM

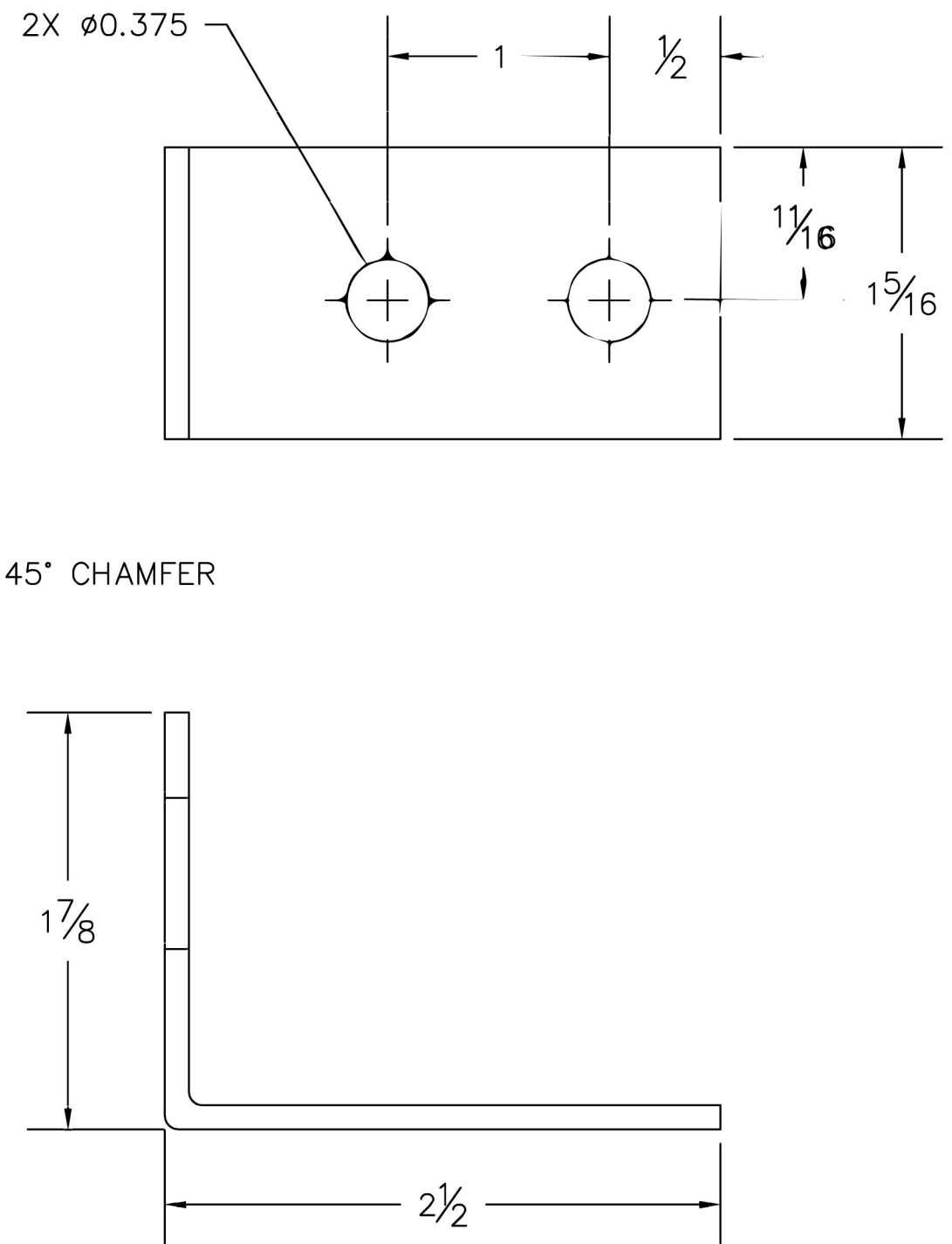
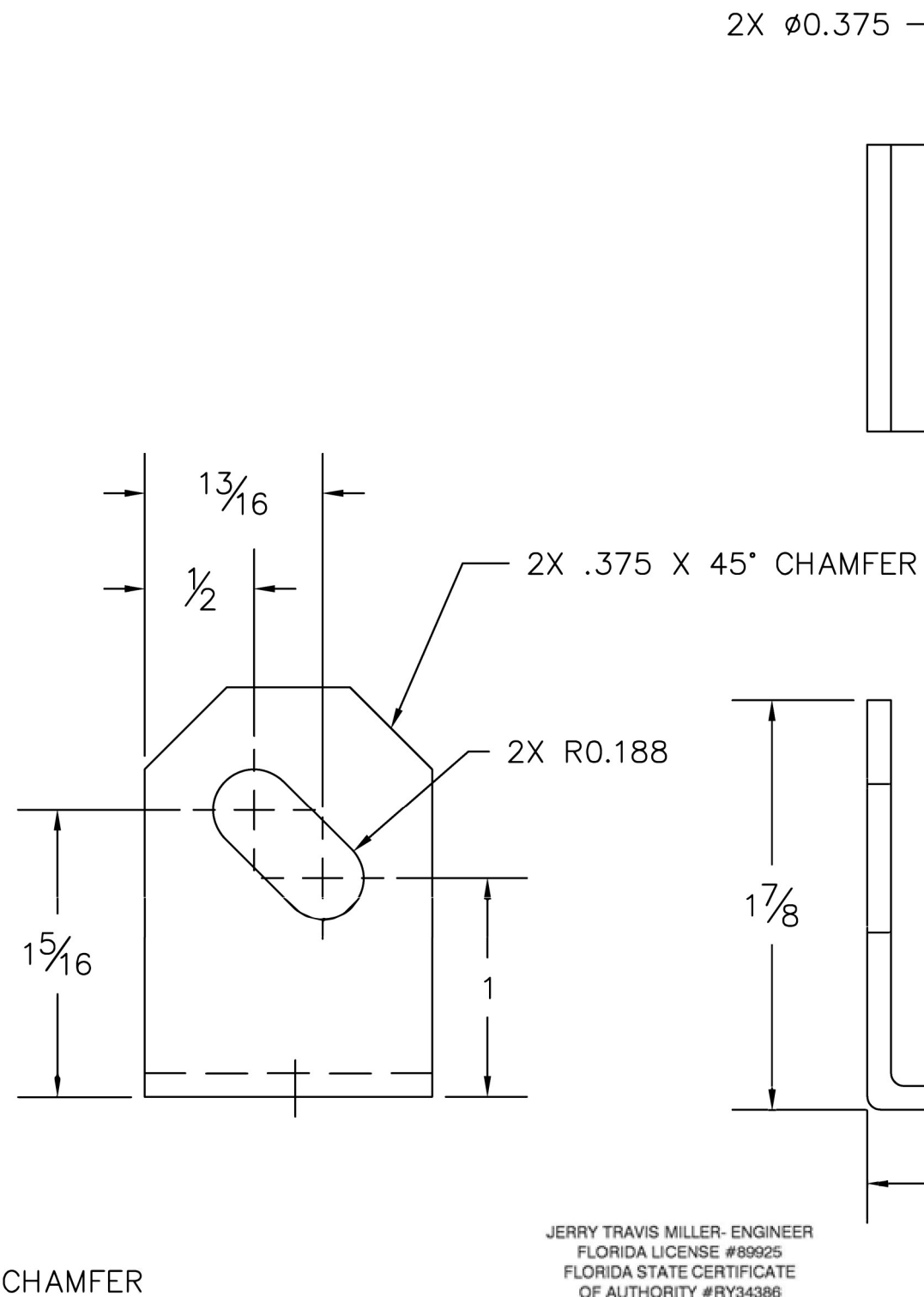
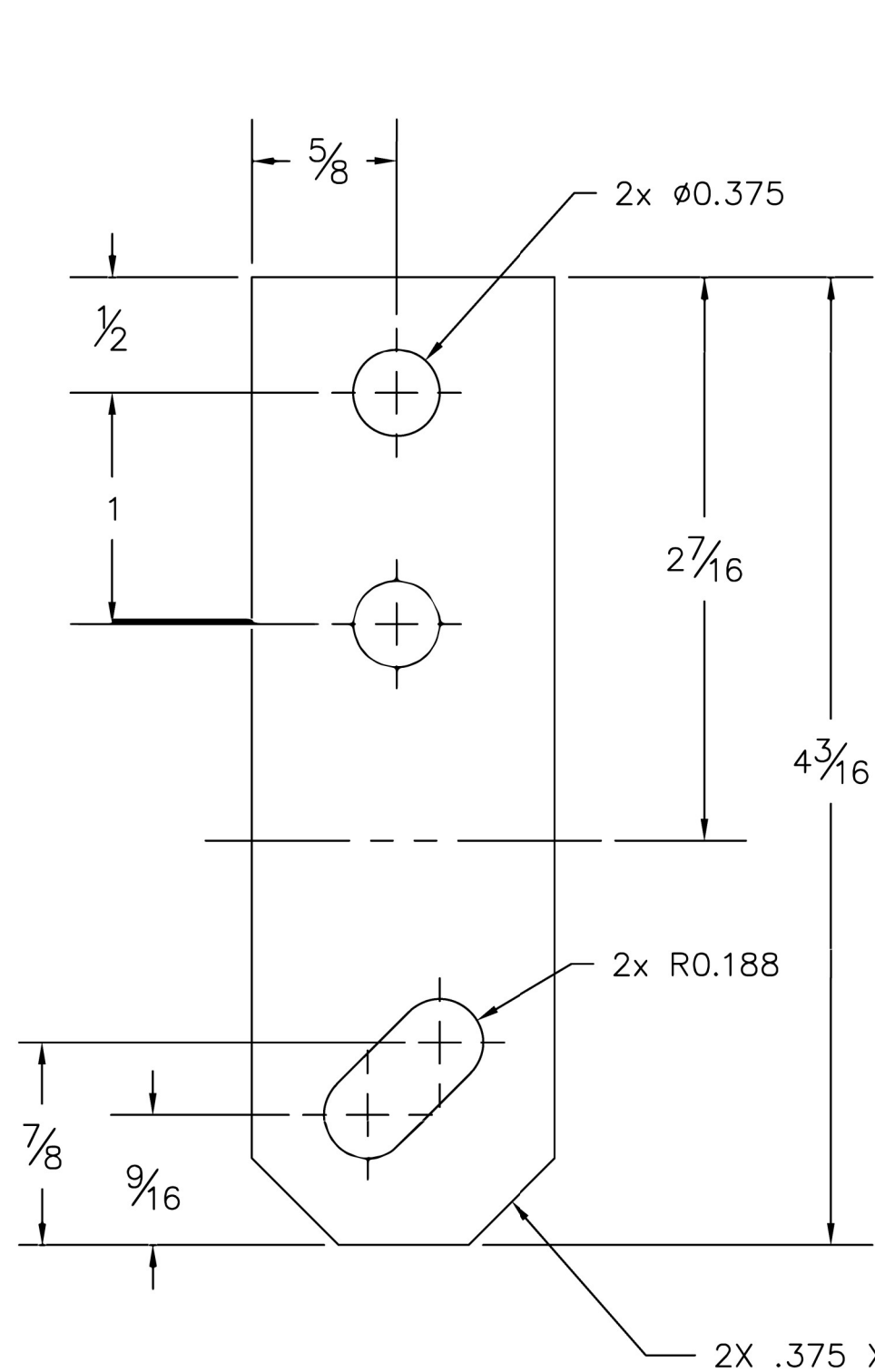
JERRY TRAVIS MILLER- ENGINEER
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By *[Signature]*
Miami-Dade Product Control

MAT'L		SEE NOTES	
DRAWN	JMD	09/03/13	
DESIGNER	BFS	SHEET 5 OF 6	
DO NOT SCALE DRAWING			
TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL		FRACTIONAL	
.XX=±.063"		≤12"=±1/16"	
.XXX=±.010"		>12" THRU 96"=±1/8"	
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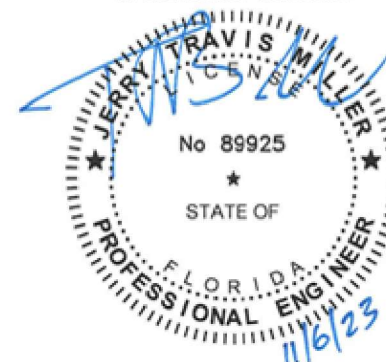
		LOREN COOK CO.	
®		MANUFACTURERS OF AIR MOVING EQUIPMENT	
		SPRINGFIELD, MISSOURI	
GR GRAVITY VENTILATOR			
HURRICANE RATED			
ALUMINUM AND STEEL			
SIZE	DRAWING NO.		REV.
B	SD080717-14		B




NOTES:
 4 MOUNTING BRACKETS REQUIRED PER UNIT.
 2 – LEFT BRACKETS FORMED AS SHOWN.
 2 – RIGHT BRACKETS FORMED OPPOSITE.

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

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



MAT'L	12 GA G-90 GALV.		 ®	<u>LOREN COOK CO.</u> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI	
DRAWN	JMD	09/03/13			
DESIGNER	BFS	SHEET 6 OF 6			
DO NOT SCALE DRAWING			GR GRAVITY VENTILATOR HURRICANE RATED ALUMINUM AND STEEL		
TOLERANCES UNLESS OTHERWISE NOTED					
DECIMAL	FRACTIONAL				
.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		SIZE	DRAWING NO.	REV.
			B	SD080717-14	B