

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

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

NOTICE OF ACCEPTANCE (NOA)

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 11/06/23, 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. 23-0821.03 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.

MIAMI-DADE COUNTY
APPROVED

NOA No. 24-0912.02 Expiration Date: November 13, 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. 08-0908.17)
- 2. 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** dated 11/06/23, prepared by manufacturer, signed and sealed by Jerry Travis Miller, P.E. (Submitted under NOA No. 23-0821.03)

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 capacity calculations dated 09/13/123, 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.

Manuel Perez, P.E. Product Control Examiner NOA No. 24-0 12.02

Expiration Date: November 13, 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 8th Edition (2023)** dated 07/28/23, issued by manufacturer, signed and sealed by Jerry T. Miller, P.E. (Submitted under NOA No. 23-0821.03)
- **2.** Testing contract notification dated 11/17/23, issued by Intertek, signed by Cassandra Matthews.

(Submitted under NOA No. 23-0821.03)

3. 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)

G. OTHERS

1. Notice of Acceptance No. 21-0405.07, issued to Loren Cook Company for their Series GR Steel and Aluminum Rooftop Gravity Vent, approved on 06/24/21 and expiring on 11/13/23.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 24-0912.02

Expiration Date: November 13, 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 36" x 36" GR, galvanized steel roof vent, prepared by Intertek, Test Report No.

Q7273.01-801-18 R0, dated 03/05/24, signed and sealed by Tyler Westerling, P.E.

- 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 Intertek, Test Report No.

Q7273.02-801-18 R0, dated 03/05/24, 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

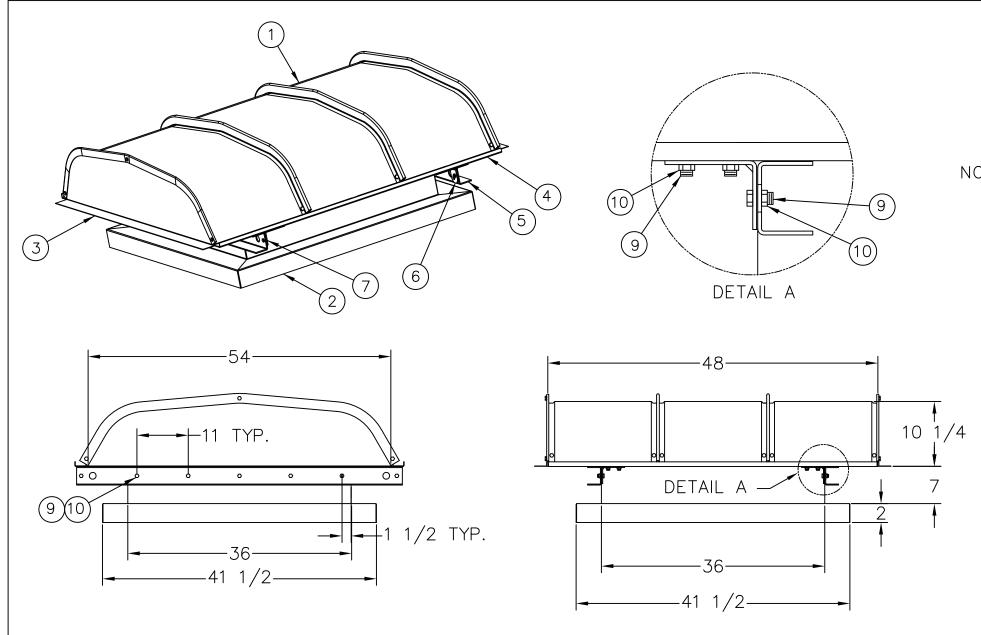
1. None.

G. OTHERS

1. Notice of Acceptance No. 23-0821.03, issued to Loren Cook Company for their Series GR Steel and Aluminum Rooftop Gravity Vent, approved on 12/28/23 and expiring on 11/13/24.

Manuel Perez, P.E. Product Control Examiner NOA No. 24-0912.02

Expiration Date: November 13, 2029 Approval Date: October 10, 2024



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 MESH038 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. 24-0912.02
Expiration Date: 11/13/2029

By: Manuel Peres

Miami-Dade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.03

Expiration Date 11/13/2024

By Miami-Dade Product Control



JERRY TRAVIS MILLER- ENGINEER

0	MAT'L	ı						
33	DRAWN	ı	JMD	09/0	03/13			
	DESIGNE	:R	BFS	SHEET	1 OF	6		
	DO NOT SCALE DRAWING							
=	TOLERANCES UNLESS OTHERWISE NOTED							
	<u>DECIMA</u>	T		FRACTIONAL				
			1					

DO NOT SCALE DRAWING						
TOLERANCES UNLESS OTHERWISE NOTED						
DECIMAL	FRACTIONAL					
.XX=±.063"	<u>≤</u> 12"=±1/16"					
(XX=±.010"	>12" THRU 96"=±1/8"					
XX=±.001"	>96" THRU 144"=±1/4"					
ANGULAR	>144"=±3/8"					
±2*	(NC)=NO INSPECTION REQ'D					

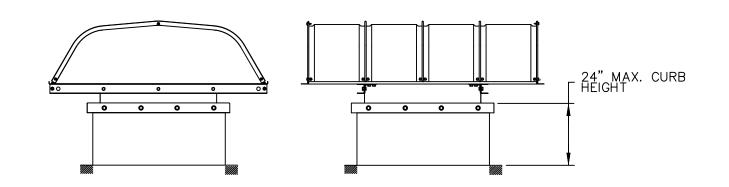


LOREN COOK CO.

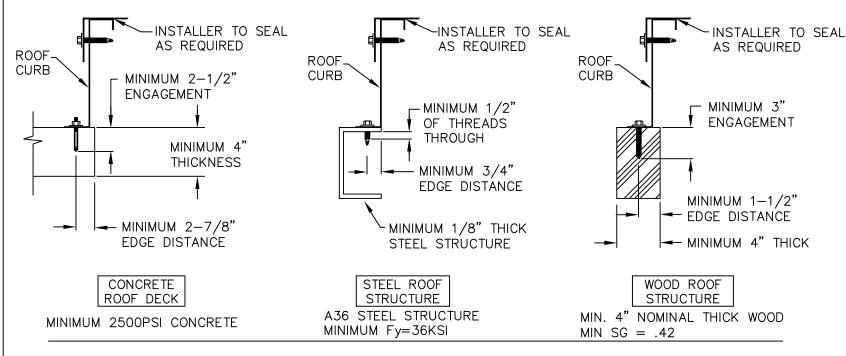
MANUFACTURERS OF AIR MOVING EQUIPMENT
SPRINGFIELD, MISSOURI

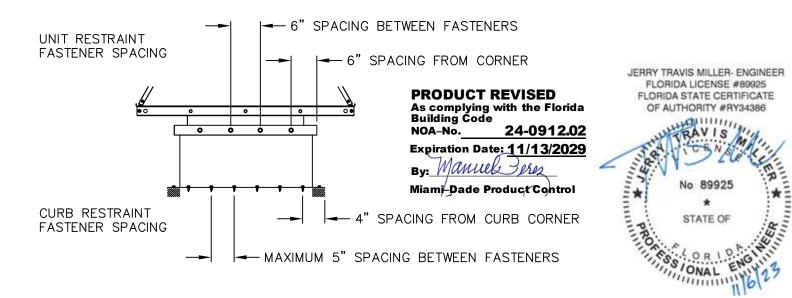
GR (GRAVITY VENTIL.	ATOR				
HURRICANE RATED						
ALUN	MINUM AND STE	EL				
SIZE	DRAWING NO	RF				

l	SIZE	DRAWING NO.	REV.
	В	SD080717-14	В



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.

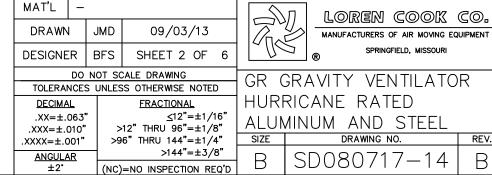
STEEL ROOF STRUCTURE: CURB IS TO BE ATTACHED WITH SELF-DRILLING STEEL SCREWS OF MINIMUM NOMINAL SIZE OF 1/4" DIAMETER AND SCREWS SHALL PASS THROUGH STEEL AT LEAST 1/2". THE SCREWS SHALL BE INSTALLED 4" FROM EACH CORNER AND 5" THEREAFTER.

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.

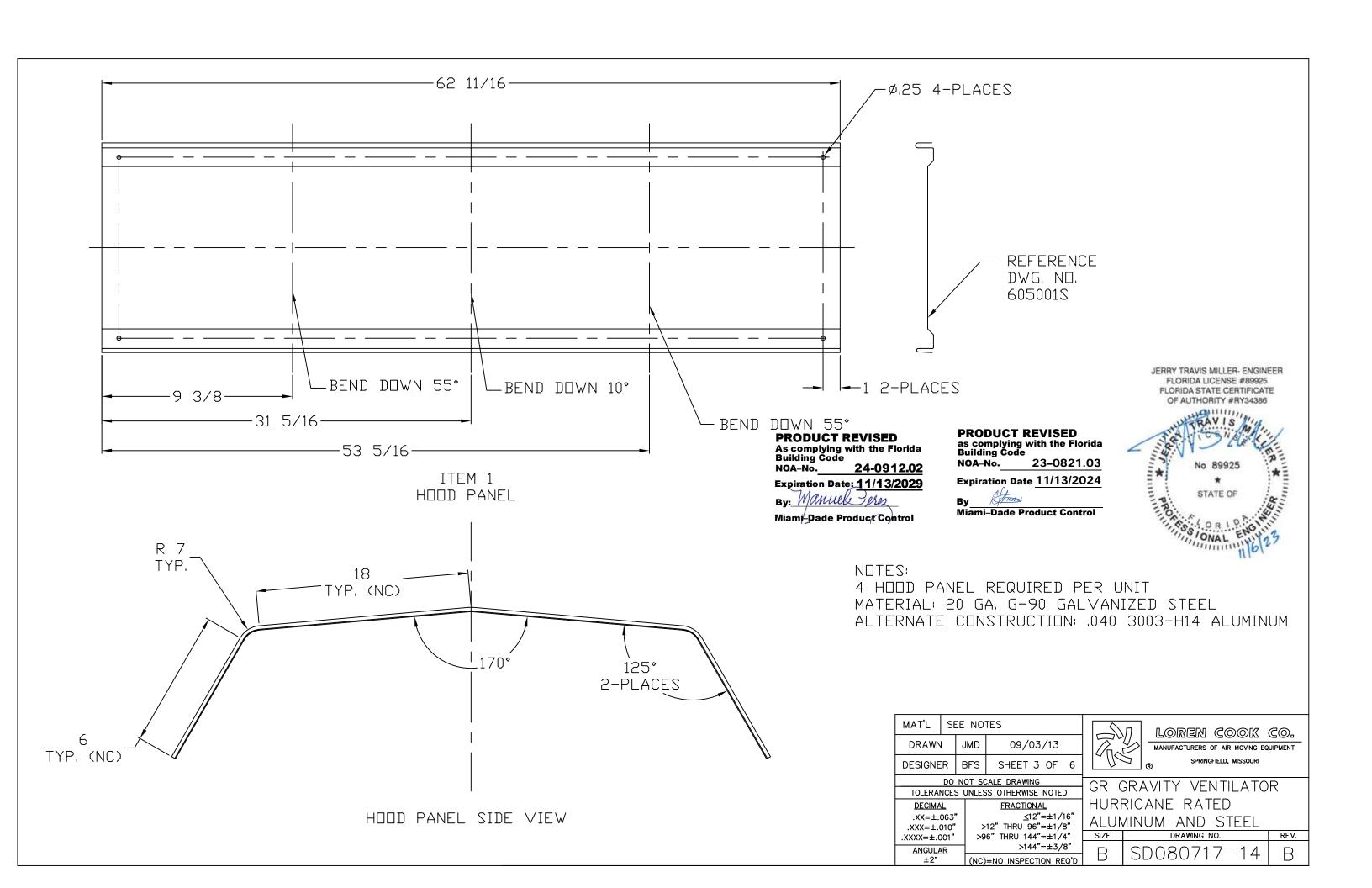
- 5) THE CURB SHALL BE CONSTRUCTED OF 3003H-14 ALUMINUM OR G-90 GALVANIZED STEEL OR STAINLESS STEEL. THE CURB MATERIAL THICKNESS SHALL BE 18 GA (.0470") OR GREATER. THE CURB HEIGHT SHALL NOT EXCEED 24".
- 6) THE GR GRAVITY VENTILATOR SHALL BE ATTACHED TO THE CURB WITH ONE OF THE FOLLOWING METHODS INSTALLED 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.
 - #12 X 2" HEX WASHER HEAD SELF-DRILLING SCREW
 - 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

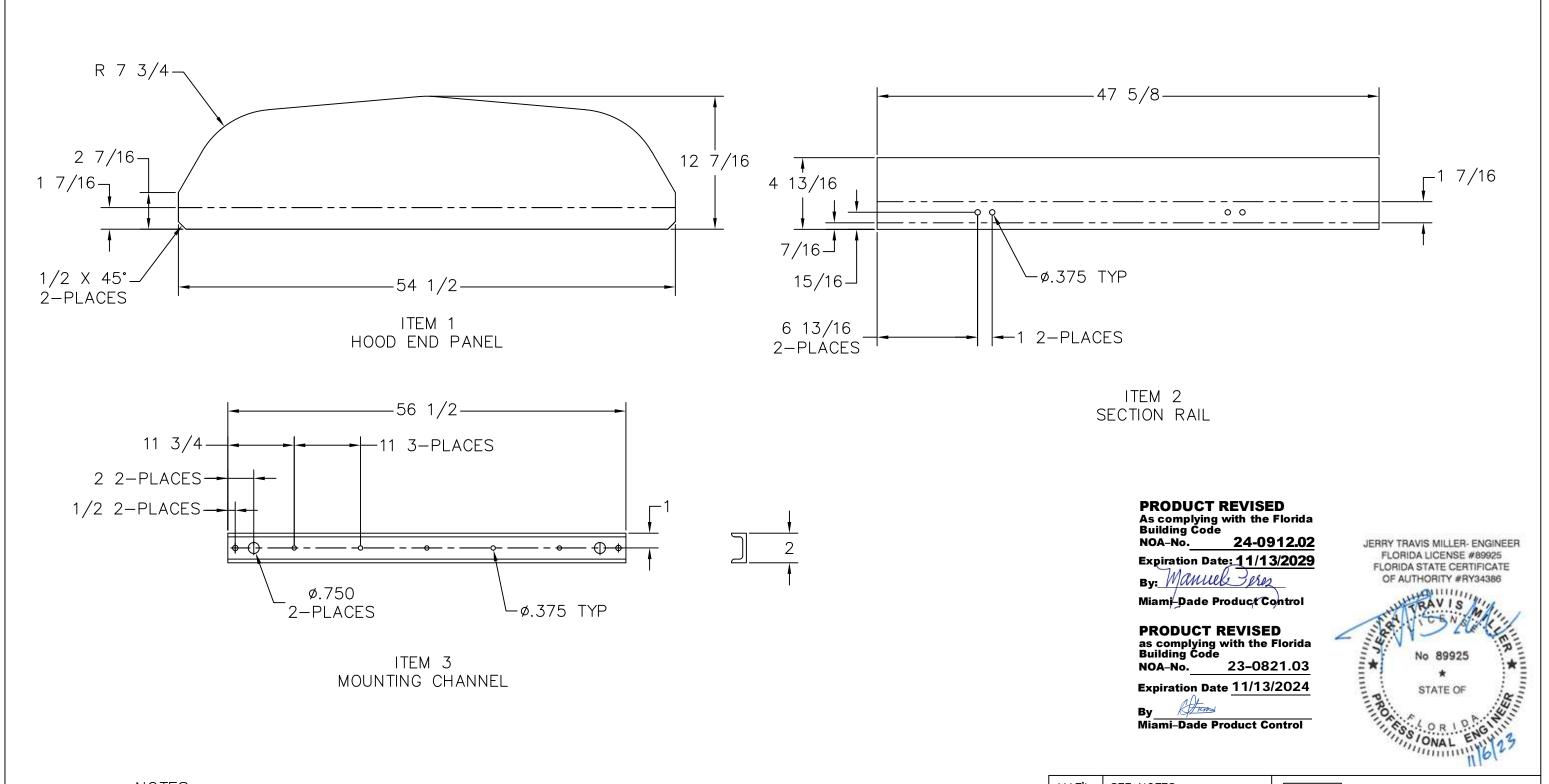
PRODUCT REVISED as complying with the Florida **Building Code** 23-0821.03 NOA-No. Expiration Date 11/13/2024

Miami-Dade Product Control



REV.



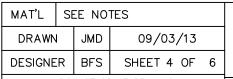


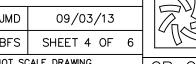
NOTES:

- 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





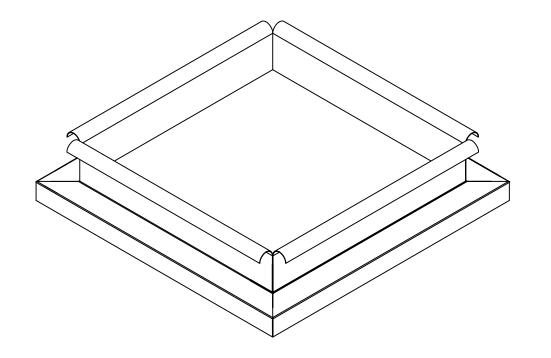
DO NOT SCALE DRAWING						
TOLERANCES UNLESS OTHERWISE NOTED						
DECIMAL	<u>FRACTIONAL</u>					
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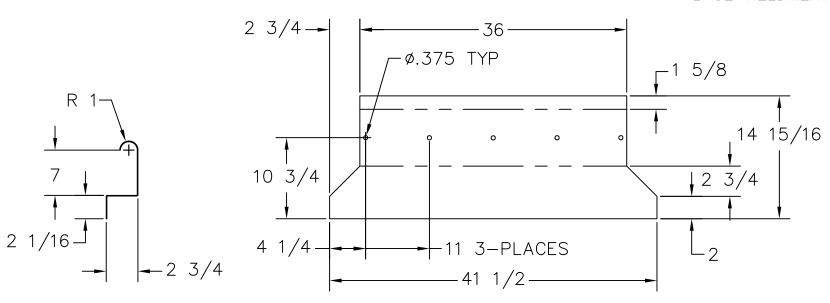
LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI

GR GRAVITY VENTILATOR HURRICANE RATED ALUMINUM AND STEEL DRAWING NO.

REV. SD080717-14



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 FLORIDA LICENSE #89925 FLORIDA STATE CERTIFICATE OF AUTHORITY #RY34386



PRODUCT REVISED
As complying with the Florida
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NOA–No. 24-0912.02

Expiration Date: 11/13/2029

By: Manuel Perez

Miami-Dade Product Control

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as complying with the Florida
Building Code NOA-No. 23-0821.03

Expiration Date 11/13/2024

Miami-Dade Product Control

MAT'L	MAT'L SEE NOTES			Loren cook co.					
DRAWN		JMD	09/03/13	09/03/13		MANUFACTURERS OF AIR MOVING EQUIPMENT			
DESIGNER		BFS	SHEET 5 OF	6		® SPRINGFIELD, MISSOURI			
DO NOT SCALE DRAWING				GRAVITY VENTILATO					
TOLERANCES UNLESS OTHERWISE NOTED									
DECIMAL		FRACTIONAL		HURRICANE RATED					
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.XXXX=±.001"				SIZE	DRAWING NO.	REV.			
ANGULAR					SD080717-14	D			
±2°		(NC)	=NO INSPECTION REG	ď		30000/1/-14	D		

