

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 ASP Steel Rooftop Fan

APPROVAL DOCUMENT: Drawing No. **SD080717-13**, titled "ASP-Supply Vent Sizes 90-200 Hurricane Rated", sheet 1 through 9 of 9, dated 09/19/13, with revision C 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. 21-0405.06 and consists of this page 1 and evidence page E-1 and E-2, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

NOA No. 23-0821.02 0/23 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

- 1. Manufacturer's die drawings and sections. (Submitted under NOA No. 08-0904.04)
- 2. Drawing No. **SD080717-13**, titled "ASP-Supply Vent Sizes 90-200 Hurricane Rated", sheets 1 through 9 of 9, dated 09/19/13, with revision C, prepared by manufacturer, signed and sealed by Bradley F. Skidmore, P.E. (Submitted under NOA No. 13-0708.11)

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 ASP, metal roof vent, prepared by Architectural Testing, Inc. Test Report No.

79143.01-801-18, dated 03/03/08, signed and sealed by Jeffrey T. Kaminski, P.E. (Submitted under NOA No. 08-0904.04)

C. CALCULATIONS

1. Wind loads and anchor calculations dated 06/12/12, prepared by manufacturer, signed and sealed by Bradley F. Skidmore, P.E. (Submitted under NOA No. 12-0814.12)

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, complying with **FBC** 6th **Edition (2017)** dated 06/08/18, issued by manufacturer, signed and sealed by Bradley F. Skidmore, P.E. (Submitted under NOA No. 18-0614.01)
- 2. Statement letter of no financial interest dated 09/05/12, issued by manufacturer, signed and sealed by Bradley F. Skidmore, P.E. (Submitted under NOA No. 12-0814.12)

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0821.02

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

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 21-0405.06 AND NEW

A. DRAWINGS

- Drawing No. **SD080717-13**, titled "ASP-Supply Vent Sizes 90-200 Hurricane Rated", sheet 1 through 9 of 9, dated 09/19/13, with revision C 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

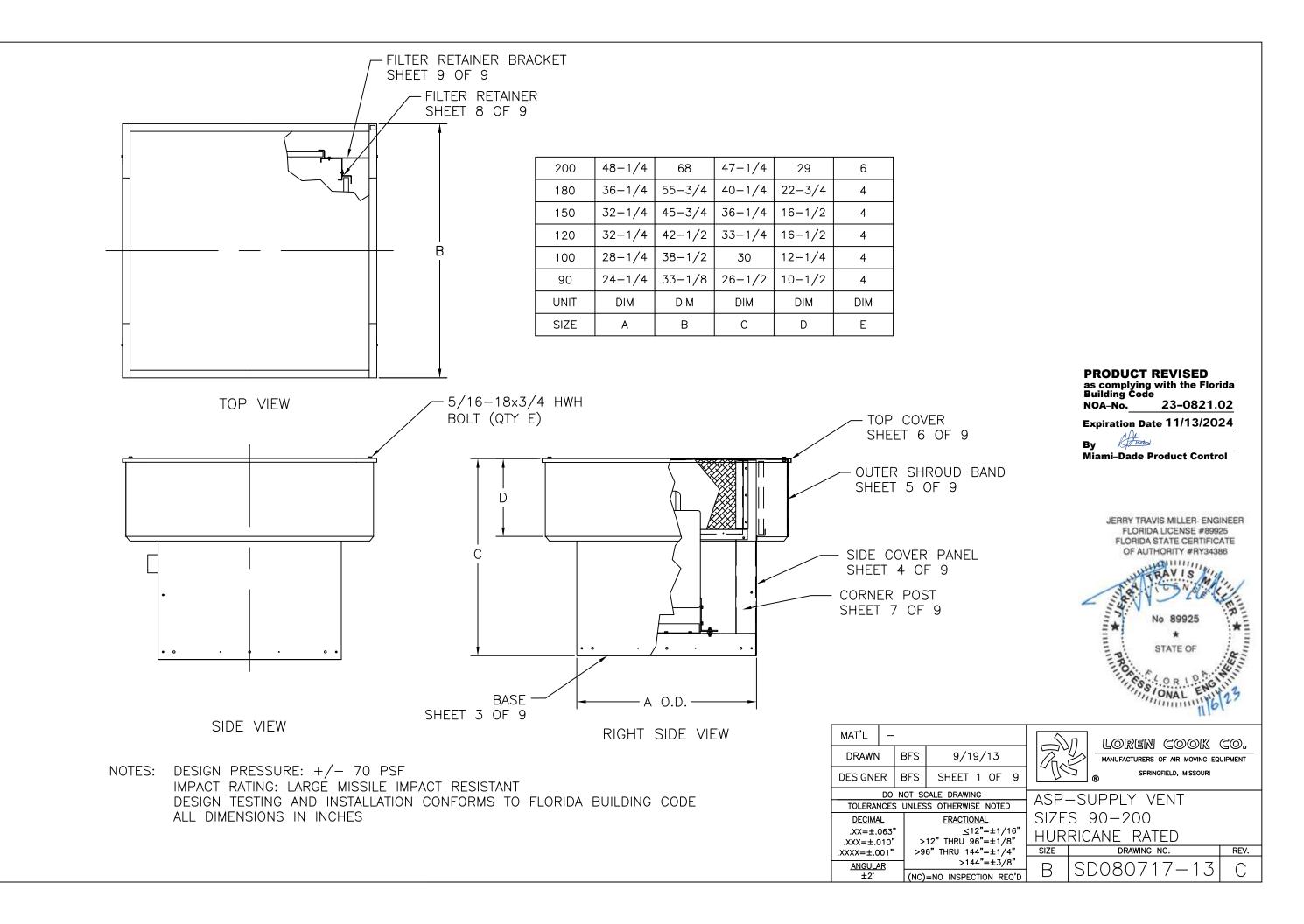
1. None.

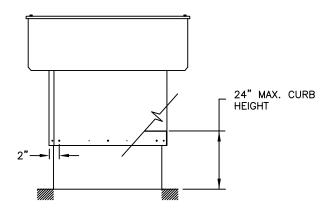
F. STATEMENTS

- 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. Statement letter of no financial interest, issued by Miller Engineering, dated 11/10/2023, signed and sealed by Jerry T. Miller, P.E.
- **3.** Testing contract notification, issued by Intertek, dated 11/17/2023, signed by Cassandra Matthews.
- **4.** 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.

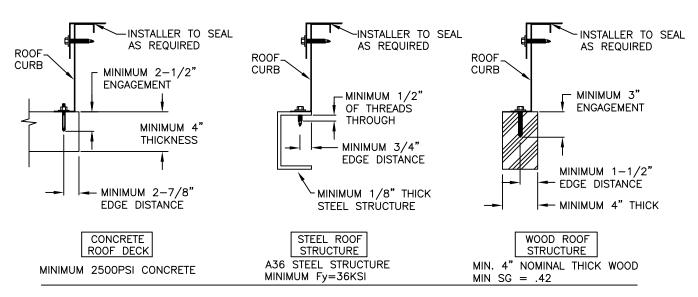
Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0821.02

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





ATTACHMENT OF CURB TO ROOF STRUCTURE



	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					
90	3	6					
100	4	6					
120	5	8					
150	5	8					
180	7	10					
200	9	14					

product revised
as complying with the Florida
Building Code
NOA-No. 23-0821.02

Expiration Date 11/13/2024

By Miami-Dade Product Control

NOTES:

- 1) ASP POWER VENTILATOR AS REFERRED TO HEREIN REFERS TO ALL LOREN COOK MODEL ASP SUPPLY VENTILATORS INCLUDING BOTH DIRECT DRIVE AND BELT DRIVE TYPE UNITS WHICH ARE CONSTRUCTED USING THE SAME G-90 GALVANIZED STEEL 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.

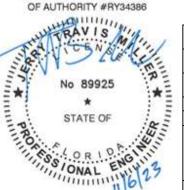
CONCRETE DECK: CURB IS TO BE ATTACHED WITH WEDGE TYPE CONCRETE ANCHOR — MINIMUM 3/8" DIAMETER CARBON STEEL — HILTI KWIK BOLT 3 OR EQUAL. MINIMUM 2-1/2" OF ENGAGEMENT IN 2000 PSI MINIMUM CONCRETE. MINIMUM DECK THICKNESS IS 4" AND ANCHORS ARE MINIMUM 2-7/8" FROM EDGE. SEE TABLE FOR MINIMUM QUANTITY OF ANCHORS REQUIRED PER CURB SIDE.

STEEL ROOF STRUCTURE: CURB IS TO BE ATTACHED WITH SELF—TAPPING STEEL SCREW OF MINIMUM NOMINAL SIZE OF 3/8" DIAMETER AND SCREW SHALL PASS THROUGH STEEL AT LEAST 1/2". THE SCREW MUST BE AT LEAST 2 SCREW DIAMETERS 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 3/8" DIAMETER. WOOD IS TO BE 4" NOMINAL SIZE OR GREATER.

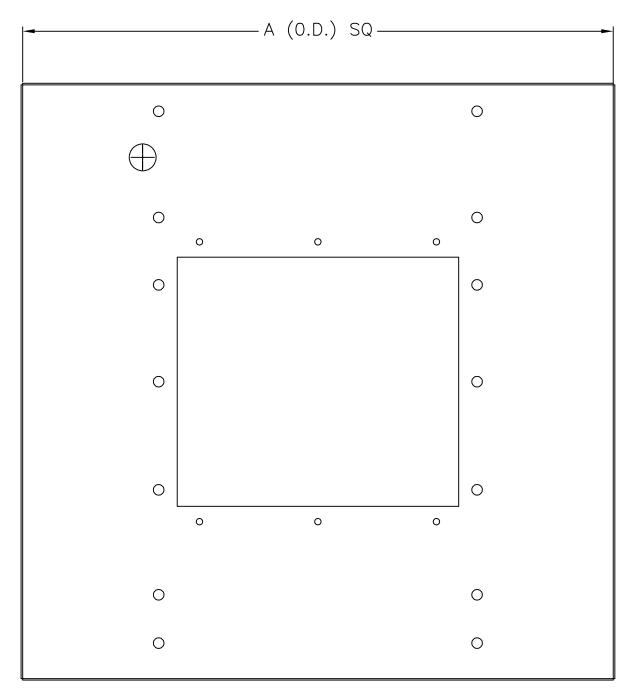
THE BOLT SHALL HAVE A MINIMUM OF 3" OF THREAD ENGAGEMENT AND SHALL BE AT LEAST 1-1/2" FROM MATERIAL EDGE. SEE TABLE FOR MINIMUM QUANTITY OF BOLTS REQUIRED PER CURB SIDE.

- 5) THE CURB SHALL BE CONSTRUCTED OF 5052H-34 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 ASP POWER SUPPLY 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 QUANTITY OF FASTENERS INTO EACH CURB SIDE SHALL EQUAL OR EXCEED THE QUANTITY SHOWN IN THE FASTENER TABLE (AT LEFT).
 -) #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.

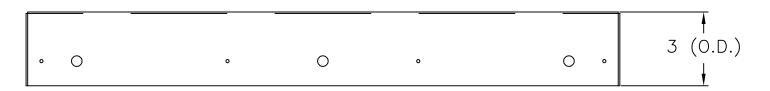


JERRY TRAVIS MILLER- ENGINEER FLORIDA LICENSE #89925 FLORIDA STATE CERTIFICATE

MAT'L	-						_
DRAWN	DRAWN BFS 09/19/13			MANUFACTURERS OF AIR MOVING EQUIPMENT			
DESIGNER BFS SHEET 2		SHEET 2 OF	9	12/16	© SPRINGFIELD, MISSOURI		
	DO 1	NOT SO	CALE DRAWING		V C D	-SUPPLY VENT	
TOLERAN	NCES	UNLES	S OTHERWISE NOTED				
DECIMAL FRACTIONAL		SIZES 90-200					
.XX=±.063" ≤12"=±1/16"			HUR	RICANE RATED			
.XXX=±.010" >12" THRU 96"=±1/8"					,		
.XXXX=±.001" >96" THRU 144"=±1/4"		SIZE	DRAWING NO. RE	<u>v.</u>			
ANGULA	\R		>144"=±3/8	"		SD080717-13 C	`
±2°		(NC)	=NO INSPECTION REC	J,D	ט		/



FORMED BOTTOM VIEW



FORMED SIDE VIEW

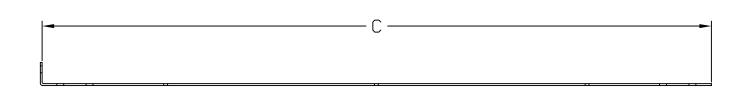
200	48-1/4
180	36-1/4
150	32-1/4
120	32-1/4
100	28-1/4
90	24-1/4
UNIT	А
SIZE	DIM

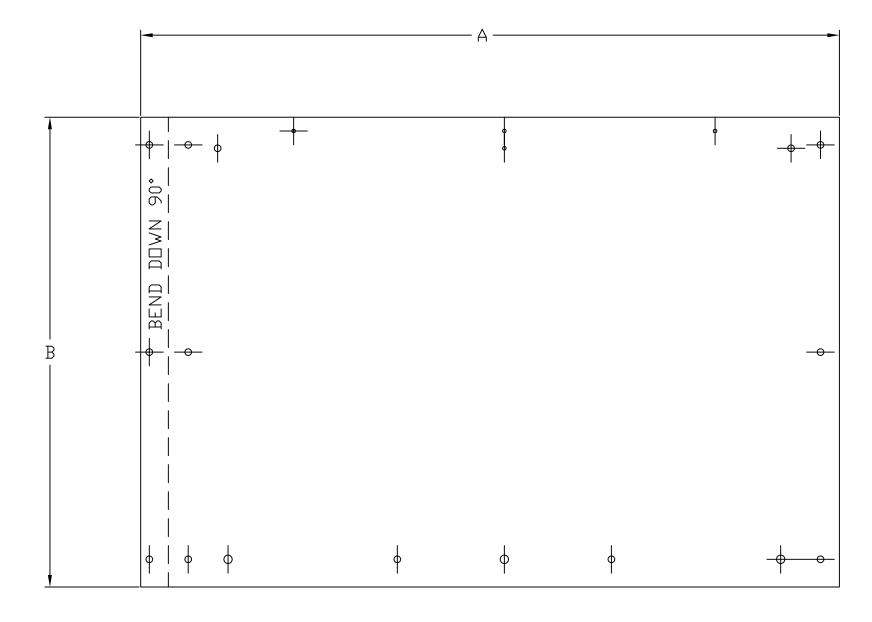
Expiration Date <u>11/13/2024</u>

By Arm
Miami-Dade Product Control



MAT'L	16	GA	GA G-90 GALV STEEL				<u>ح</u> ص.
DRAWN E		BFS	BFS 09/19/13			MANUFACTURERS OF AIR MOVING EQU	
DESIGNER E		BFS	SHEET 3 OF	9	100	© SPRINGFIELD, MISSOURI	
DO NOT SCALE DRAWING			VCD	-SUPPLY VENT			
TOLERAN	NCES	UNLES	S OTHERWISE NOTED		ASP-SUPPLI VEIVI		
DECIMAL FRACTIONAL		SIZES 90-200					
.XX=±.063" ≤12"=±1/16" .XXX=±.010" >12" THRU 96"=±1/8"		HUR	RICANE RATED				
.XXXX=±.001" >96" THRU 144"=±1/4"		SIZE	DRAWING NO.	REV.			
ANGULAR		>144"=±3/8	,	Ω	SD080717-13		
		(NC)	(NC)=NO INSPECTION REQ'D			3000717-13	



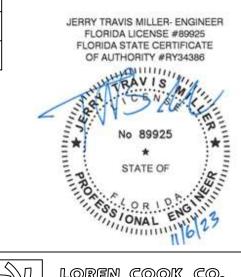


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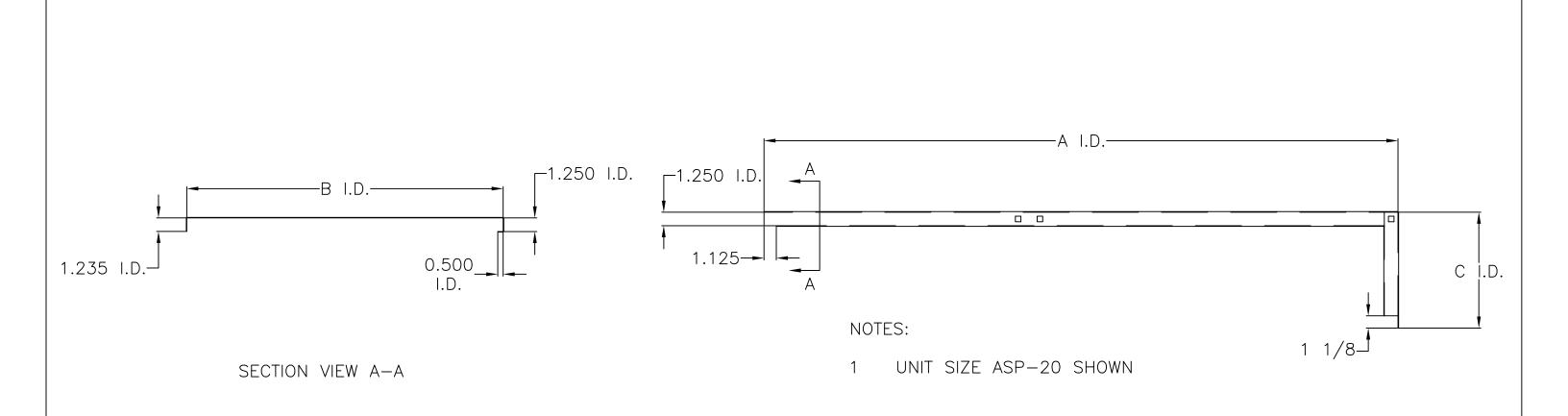
20	49-9/32	20-1/4	48-9/32
18	37-9/32	21	36-9/32
15	33-9/32	21	32-9/32
12	33-9/32	18	32-9/32
10	29-9/32	18-3/4	28-9/32
9	25-9/32	17	24-9/32
UNIT	А	В	С
SIZE	DIM	DIM	DIM

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0821.02
Expiration Date 11/13/2024

By Miami-Dade Product Control



MAT'L 18 GA. G-90 GALV STEEL			I Loren Cook Co.		
DRAWN	DRAWN BFS		09/19/13		MANUFACTURERS OF AIR MOVING EQUIPMENT
DESIGNER E		FS	SHEET 4 OF 9	1 2/16	SPRINGFIELD, MISSOURI
DO NOT SCALE DRAWING		100	-SUPPLY VENT		
TOLERAN	TOLERANCES UNLESS OTHERWISE NOTED		' '- '		
DECIMA	DECIMAL FRACTIONAL		SIZE	S 90-200	
$.XX=\pm .063$ " ≤ 12 "= $\pm 1/16$ " $.XXX=\pm .010$ " >12 " THRU 96 "= $\pm 1/8$ "		HUR	RICANE RATED		
		6" THRU 144"=±1/4"	SIZE	DRAWING NO. REV.	
ANGULAR		>144"=±3/8" (NC)=NO INSPECTION REQ'D			SD080717-13 C
±2°					30000/1/-13 6



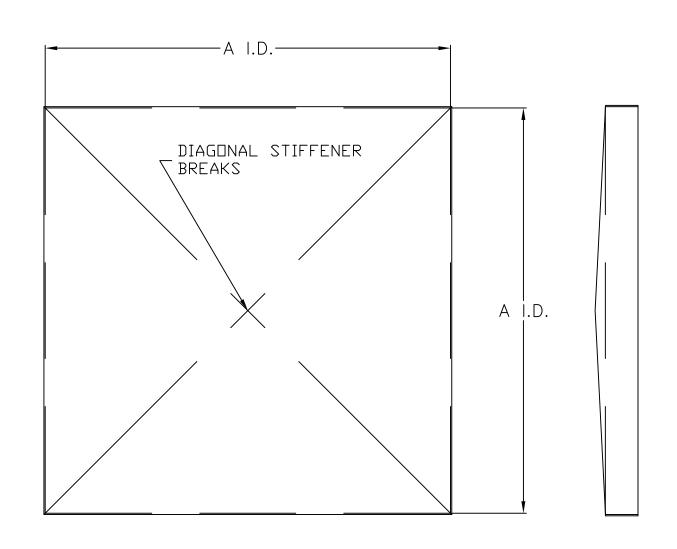
200	58-1/8	29	10-5/8
180	46-1/8	22-3/4	10-1/2
150	39-1/8	16-1/2	7-1/2
120	37	16-1/2	6-3/8
100	33	12-1/4	6-3/8
90	28-5/16	10-1/2	5-11/16
UNIT	А	В	С
SIZE	DIM	DIM	DIM

Expiration Date 11/13/2024

By Afron Miami-Dade Product Control

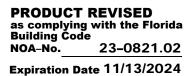


MAT'L 18 GA. G-90 GALV. STEEL			J Loren Cook Co.			
DRAWN E		BFS 09/19/13		MANUFACTURERS OF AIR MOVING EQUIPMENT		
DESIGNER E		BFS	SHEET 5 OF 9	10	© SPRINGFIELD, MISSOURI	
DO NOT SCALE DRAWING			CALE DRAWING	V C D	-SUPPLY VENT	
TOLERANCES UNLESS OTHERWISE NOTED		ASE-	-SUPPLI VENI			
<u>DECIMA</u>	L		FRACTIONAL	SIZE	S 90-200	
.XX=±.063" .XXX=±.010" >12		≤12"=±1/16" 12" THRU 96"=±1/8"	HUR	RICANE RATED		
			6" THRU 144"=±1/4"	SIZE	DRAWING NO. REV.	
ANGULAR			>144"=±3/8"		SD080717-13 C	
±2°		(NC)	=NO INSPECTION REQ'D	D	30000/1/=13 C	



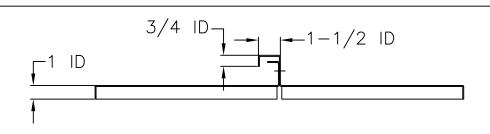
1 PIECE SIZE 90-180

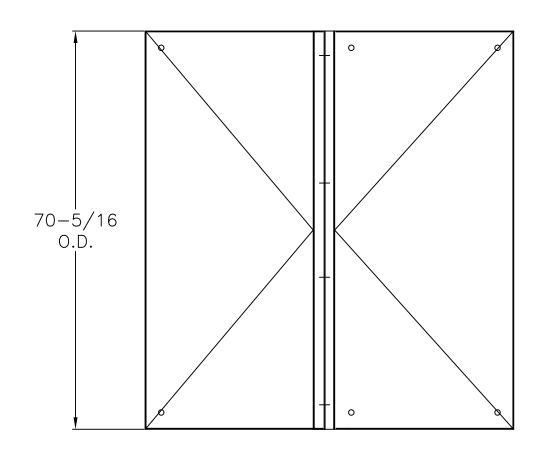
200	49-3/16
180	37-3/16
120	33
100	29
90	25
UNIT	А
SIZE	DIM



By Stuns

Miami-Dade Product Control





2 PIECE SIZE 200



JERRY TRAVIS MILLER- ENGINEER

	MAT'L	18	B GA.	G-90 G	ALV STL	
	DRAWN		BFS	09/	19/13	
	DESIGNE	R	BFS	SHEET	6 OF 9	
=	DO NOT SCALE DRAWING					$\overline{}$
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DO N	OT SCALE DRAWING				
TOLERANCES UNLESS OTHERWISE NOTED					
<u>DECIMAL</u>	FRACTIONAL				
.XX=±.063"	<u><</u> 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				

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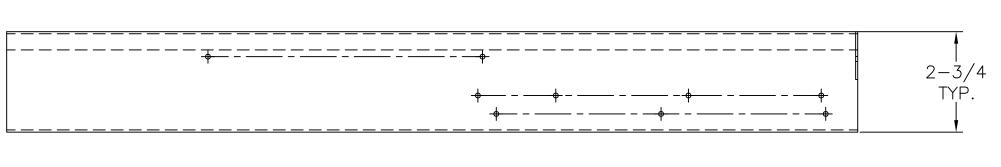
LOREN COOK CO.

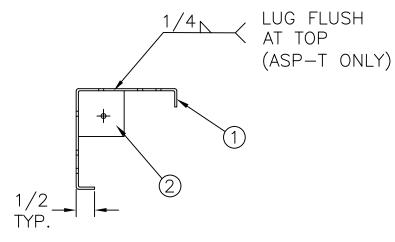
MANUFACTURERS OF AIR MOVING EQUIPMENT

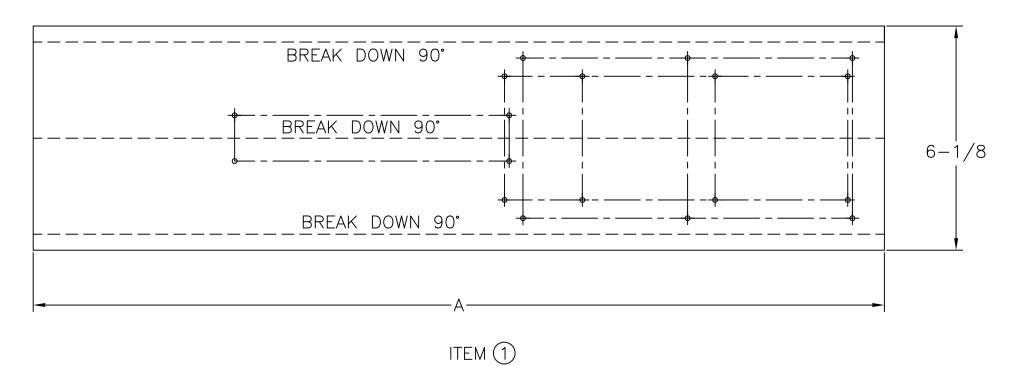
SPRINGFIELD, MISSOURI

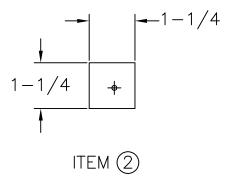
ASP-SUPPLY VENT SIZES 90-200 HURRICANE RATED

B SD080717-13 C









Expiration Date 11/13/2024

By Miami-Dade Product Control

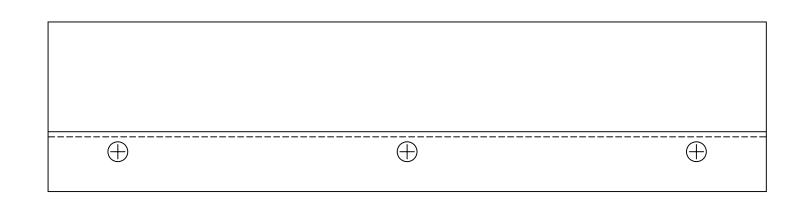


NOTES:

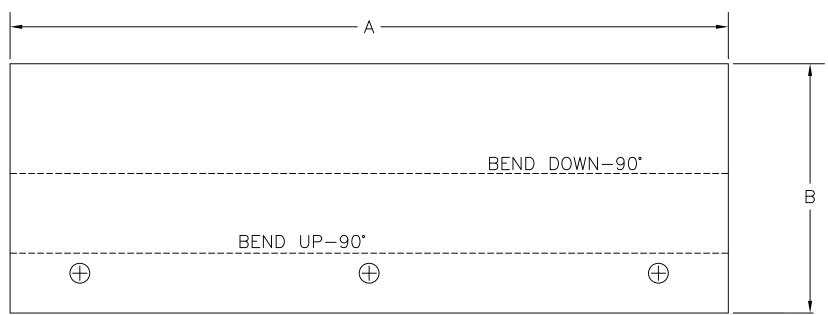
1. UNIT SIZE 9 SHOWN.

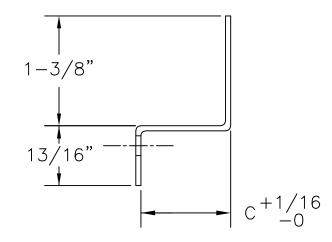
200	56-3/4
180	45-3/4
150	36-1/2
120	34
100	27-3/4
90	24-1/4
UNIT	А
SIZE	DIM

MAT'L	16	GA.	G-90 GALV STL		J Loren Cook Co.		
DRAWN		BFS	09/19/13	MANUFACTURERS OF AIR MOVING EQUIPMEN			
DESIGNE	R I	BFS	SHEET 7 OF 9] [2/16	SPRINGFIELD, MISSOURI		
DO NOT SCALE DRAWING				VCD	-SUPPLY VENT		
TOLERANCES UNLESS OTHERWISE NOTED			S OTHERWISE NOTED				
DECIMAL FRACTIONAL			FRACTIONAL	SIZE	S 90-200		
).±=XX.			≤12"=±1/16" 12" THRU 96"=±1/8"	HUR	RICANE RATED		
.XXXX=±.0			6" THRU 144"=±1/4"	SIZE	DRAWING NO. REV.		
ANGULA	AR		>144"=±3/8"		SD080717-13 C		
±2°		(NC)	=NO INSPECTION REQ'D				



SIZE 9 SHOWN





200	26-1/2	3-5/32	1-1/32	4-5/32	2-1/32
180	18-3/4	3-5/32	1-1/32	4-5/32	2-1/32
120	14-3/4	3-5/32	1-1/32	4-5/32	2-1/32
100	10-3/4	3-5/32	1-1/32	4-5/32	2-1/32
90	9	3-5/32	1-1/32	4-5/32	2-1/32
SIZE	DIM	В	С	В	С
UNIT	А	1" FILTER		2" FI	LTER

Expiration Date 11/13/2024

By Miami-Dade Product Control



MAT'L	1	8 GA.	G-90 GALV. STL	
DRAWN		BFS	09/19/13	
DESIGNE	R	BFS	SHEET 8 OF 9	
	DO	NOT S	CALE DRAWING	Ī
TOL EDAN	105		O OTHERWISE MOTER	

DO N	OT SCALE DRAWING						
TOLERANCES UNLESS OTHERWISE NOTED							
<u>DECIMAL</u>	FRACTIONAL						
.XX=±.063"	<u>≤</u> 12"=±1/16"						
XXX=±.010"	>12" THRU 96"=±1/8"						
XXX=±.001"	>96" THRU 144"=±1/4"						
ANGULAR	>144"=±3/8"						

(NC)=NO INSPECTION REQ'D

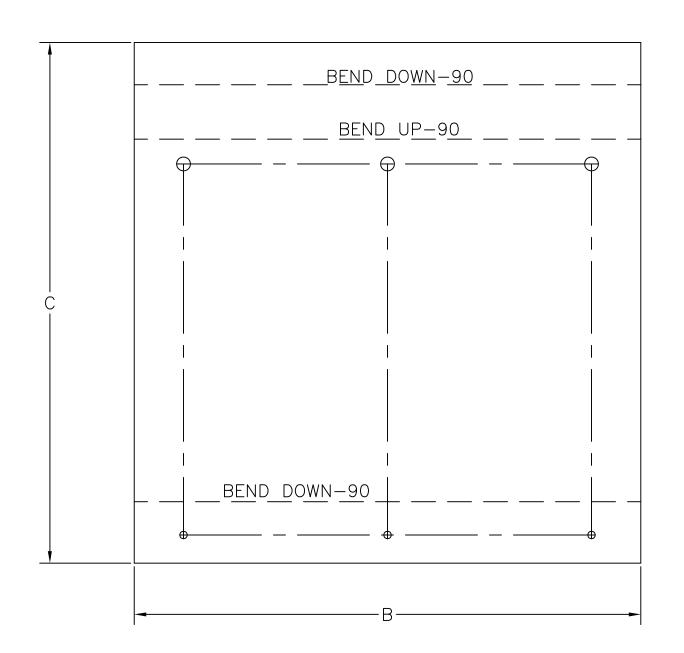
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LOREN COOK CO.

MANUFACTURERS OF AIR MOVING EQUIPMENT
SPRINGFIELD, MISSOURI

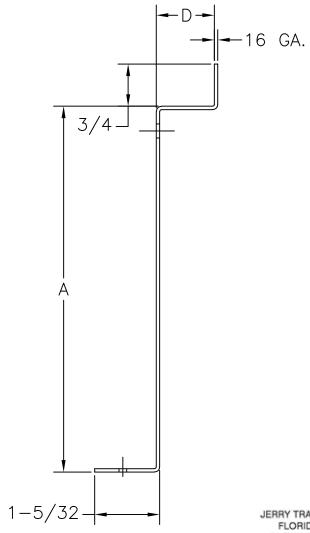
ASP-SUPPLY VENT SIZES 90-200 HURRICANE RATED

пик	RICANE RATED	
SIZE	DRAWING NO.	REV.
В	SD080717-13	C



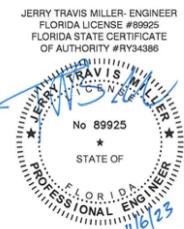
SIZE 9 SHOWN

200	11.94	26-1/2	14-5/8	15-5/8	1.03	2.03
180	11.81	18-3/4	14-1/2	15-1/2	1.03	2.03
150	8.81	14-3/4	11-1/2	12-1/2	1.03	2.03
120	7.19	14-3/4	9-7/8	10-7/8	1.03	2.03
100	7.19	10-3/4	9-7/8	10-7/8	1.03	2.03
90	6.50	9	9-3/16	10-3/16	1.03	2.03
UNIT	А	В	С	С	D	D
SIZE	DIM	DIM	1"FILTER	2"FILTER	1"FILTER	2"FILTER



Expiration Date 11/13/2024

By Arm Miami-Dade Product Control



MAT'L	16 GA.	G-90 GALV.		J Loren Cook	<i>ര</i>
DRAWN	BFS	09/19/13	MANUFACTURERS OF AIR MOVING		
DESIGNER BFS		SHEET 9 OF 9	1 / 1/6	SPRINGFIELD, MISSOURI	
DO NOT SCALE DRAWING			1	-SUPPLY VENT	
TOLERANCES UNLESS OTHERWISE NOTED			' '- '		
DECIMAL FRACTIONAL		1 SIZE	SIZES 90-200		
.XX=±.063" ≤12"=±1/16" .XXX=±.010" >12" THRU 96"=±1/8"		HUR	RICANE RATED		
.XXXX=±.001" >96" THRU 144"=±1/4"		SIZE	DRAWING NO.	REV.	
ANGULAF	ANGULAR >144"=±3/8"			SD080717-13	
±2*	(NC)=NO INSPECTION REQ'D		130000/1/ 13	