



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

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

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

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

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

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

**DESCRIPTION: Model "TCNHBLE" Steel Rooftop Exhaust Fan – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. **SD140723-05**, titled "TCNHBLE 1x2 for TCNHBLE sizes 100-300", sheet 1 through 13 of 13, dated 07/22/14, with revision **B** dated 02/16/24, prepared by manufacturer, signed and sealed by Jerry Travis Miller, P.E., bearing the Miami-Dade County Product Control Renewal 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:** A permanent label with the manufacturer's name or logo, manufacturing plant's city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", is to be located on each unit.

**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.

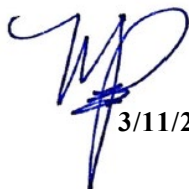
**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate 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 NOA No. 24-0311.08** 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 **Manuel Perez, P.E.**



  
3/11/25

**NOA No. 25-0102.07**  
**Expiration Date: March 12, 2030**  
**Approval Date: March 20, 2025**  
**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. 14-0909.12)*
2. Drawing No. **SD140723-05**, titled "TCNHBLE 1x2 for TCNHBLE sizes 100-300", sheet 1 through 13 of 13, dated 07/22/14, with revision **B** dated 02/16/24, prepared by manufacturer, signed and sealed by Jerry Travis Miller, P.E.  
*(Submitted under NOA No. 24-0311.08)*

**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) Lateral Force Test per ASTM E72 (Modified)  
4) Tensile Strength Test per ASTM E8  
along with marked-up drawings and installation diagram of Models TCNHBLE, 100 and 300 rooftop exhaust fans, prepared by Architectural Testing, Inc. Test Report No. **C9440.01-801-18**, dated 01/15/14, signed and sealed by Vinu J. Abraham, P.E.  
*(Submitted under NOA No. 14-0909.12)*

**C. CALCULATIONS**

1. Wind loads and anchor calculations, prepared by Miller Engineering, dated 07/21/23, signed and sealed by Jerry T. Miller, P.E.  
*(Submitted under NOA No. 24-0311.08)*

**D. QUALITY ASSURANCE**

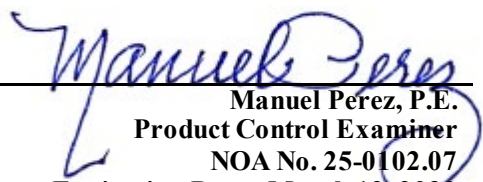
1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS**

1. Statement letter of code conformance, complying with the **FBC 8<sup>th</sup> Edition (2023)** dated 02/23/24, issued by Miller Engineering, signed and sealed by Jerry T. Miller, P.E.  
*(Submitted under NOA No. 24-0311.08)*
2. Statement letter of no financial interest, dated 10/12/2023, issued by Miller Engineering, signed and sealed by Jerry T. Miller, P.E.  
*(Submitted under NOA No. 24-0311.08)*

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 25-0102.07  
Expiration Date: March 12, 2030  
Approval Date: March 20, 2025

**Loren Cook Company**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (COMPLETE)**

**G. OTHERS**

1. Notice of Acceptance No. **21-0405.12**, issued to Loren Cook Company for their Model "TCNHBLE" Steel Rooftop Exhaust Fan – L.M.I., approved on 06/24/21 and expiring on 03/12/25.

**2. NEW EVIDENCE SUBMITTED UNDER**

**A. DRAWINGS**

1. None.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. None.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

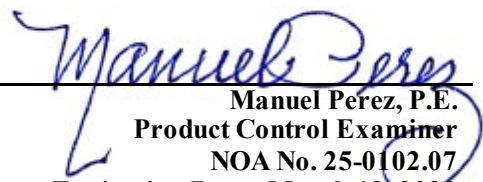
1. None.

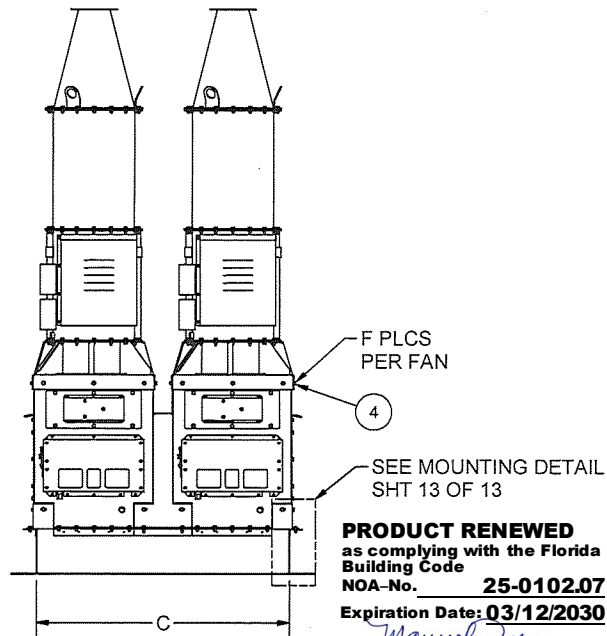
**F. STATEMENTS**

1. None.

**G. OTHERS**

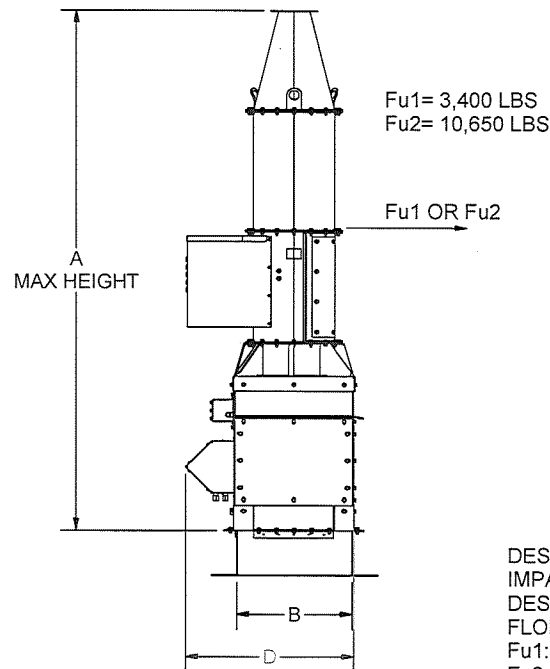
1. Notice of Acceptance No. **24-0311.08**, issued to Loren Cook Company for their Model "TCNHBLE" Steel Rooftop Exhaust Fan – L.M.I., approved on 04/18/24 and expiring on 03/12/25.

  
Manuel Perez, P.E.  
Product Control Examiner  
NOA No. 25-0102.07  
Expiration Date: March 12, 2030  
Approval Date: March 20, 2025

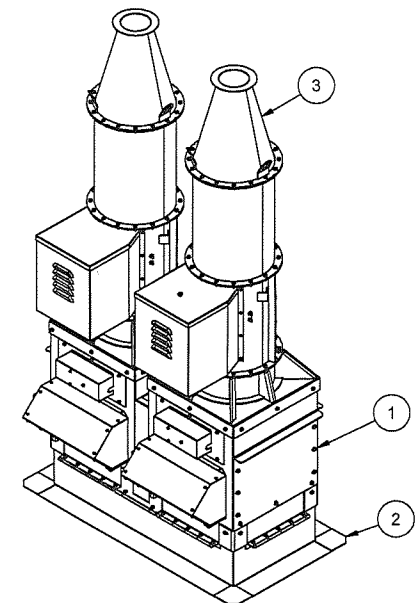
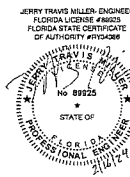


**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0102.07**  
Expiration Date: **03/12/2030**  
By: *Manuel Torres*  
Miami-Dade Product Control

300	153	58 7/8	122 3/16	74	4871	20
270	146 3/4	52 7/8	110 3/16	67	4275	20
245	135	48 7/8	102 3/16	63	3736	16
225	121 1/2	46 7/8	98 3/16	60	3511	16
210	124	42 7/8	90 3/16	56	2851	16
195	120	40 7/8	86 3/16	54	2728	16
180	120	36 7/8	78 3/16	50	2397	16
165	120	33	70 5/16	46	2183	16
150	120	31	66 5/16	42	2008	16
135	120	29	62 5/16	40	1828	16
120	120	27 1/16	58 5/16	38	1511	12
100	120	23 1/16	50 5/16	34	1289	12
UNIT	A	B	C	D	WEIGHT	F
SIZE	DIM	DIM	DIM	DIM	IN LBS	PLCS



**PRODUCT REVISED**  
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Building Code  
NOA-No. **24-0311.08**  
Expiration Date **03/12/2025**  
By: *Manuel Torres*  
Miami-Dade Product Control

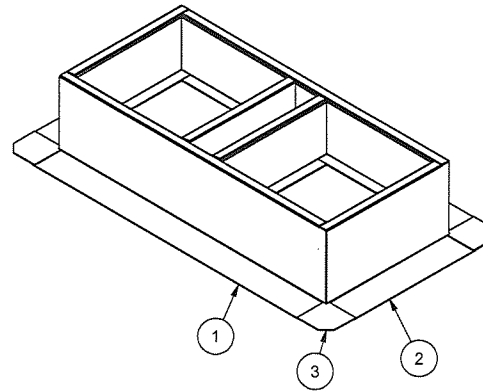


DESIGN PRESSURE: +100PSF/-100PSF  
IMPACT RATING: LARGE MISSILE IMPACT RESISTANT  
DESIGN, TESTING, AND INSTALLATION CONFORMS TO  
FLORIDA BUILDING CODE  
Fu1: ULTIMATE LATERAL FORCE PER EACH MODEL TCNHBLE 100  
Fu2: ULTIMATE LATERAL FORCE PER EACH MODEL TCNHBLE 300

4	-	3/8" X 1" HEX HEAD BOLTS	-
3	SHT 3	TOP ASSEMBLY	-
2	SHT 2	1 X 2 CURB	-
1	SHT 4	TCNHBLE MIXING BOX	-
ITEM	SHT #	DESCRIPTION	MATERIAL SPEC
MAT'L	-	-	-
DRAWN	JWA	7/22/2014	
DESIGNER	BFS	SHEET 1 OF 13	
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL XX = ± .003" .XXX = ± .010" XXXX = ± .001"		FRACTIONAL 5/16" = ± 1/16" >12" THRU 96" = ± 1/8" >96 THRU 144" = ± 1/4" >144" = ± 3/8"	
ANGULAR ± 2"		(NC) = NO INSPECTION REQ'D	
TCNHBLE 1X2 FOR TCNHBLE SIZES 100-300			
SIZE		DRAWING NO.	REV.
B		SD140723-05	B



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



#### NOTES:

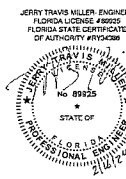
- 1) THE TCNHBLE REFERRED TO HEREIN REFERS TO ALL LOREN COOK MODEL TCNHBLE MODELS THAT ARE CONSTRUCTED OF THE SAME OUTER HOUSING COMPONENTS AND AVAILABLE AS A SINGLE FANS OR A DUAL FAN INSTALLATIONS EITHER ON MIXING BOXES, ISOLATION BOXES OR MOUNTED DIRECTLY TO LEC ROOF CURB.
- 2) THIS APPROVAL IS FOR 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 RIDGE AREA FBC 1523.6.5.2.13.
- 4) THE INSTALLER IS RESPONSIBLE FOR CHECKING THAT ALL FASTENERS ARE PROPERLY INSTALLED AND ACCESS PANEL ARE IN PLACE BEFORE PUTTING THE UNIT INTO SERVICE.


**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0102.07**  
Expiration Date: **03/12/2030**

By: *Manuel Perez*  
Miami-Dade Product Control

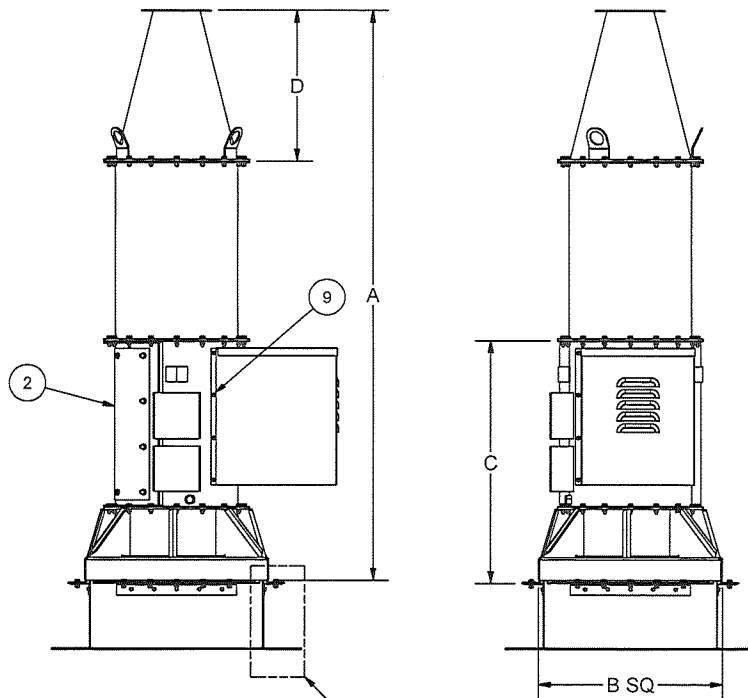
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **24-0311.08**  
Expiration Date **03/12/2025**

By: *RF*  
Miami-Dade Product Control



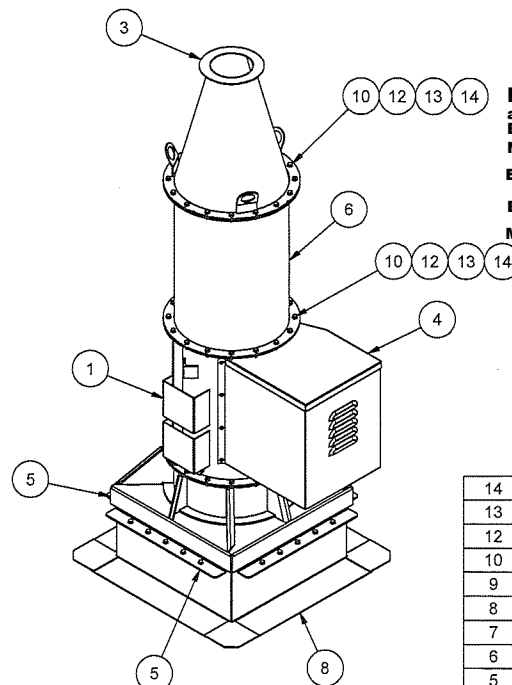
3	-	LEC CORNER FLANGE	12 GA STEEL
2	-	LEC SIDE PANEL	12 GA STEEL
1	-	LEC 1x2 SIDE PANEL	12 GA STEEL
ITEM	SHT #	DESCRIPTION	MATERIAL SPEC
MAT'L			
DRAWN	JWA	7/22/2014	 <b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI
DESIGNER	BFS	SHEET 2 OF 13	
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL XX = ± .063" .XXX = ± .010" .XXXX = ± .001"		FRACTIONAL 5/16" = ± 1/16" >12" THRU 96" = ± 1/8" >96 THRU 144" = ± 1/4" >144" = ± 3/8"	
ANGULAR ± 2°		(NC) = NO INSPECTION REQ'D	
1 X 2 CURB FOR TCNHBLE SIZES 100-300			
SIZE		DRAWING NO.	REV.
B		SD140723-05	B

300	122 3/16	58 7/8	509
270	110 3/16	52 7/8	458
245	102 3/16	48 7/8	423
225	98 3/16	46 7/8	406
210	90 3/16	42 7/8	372
195	86 3/16	40 7/8	355
180	78 3/16	36 7/8	320
165	70 5/16	33	287
150	66 5/16	31	270
135	62 5/16	29	253
120	58 5/16	27 1/16	236
100	50 5/16	23 1/16	201
UNIT	A	B	CURB
SIZE	DIM	DIM	WEIGHT

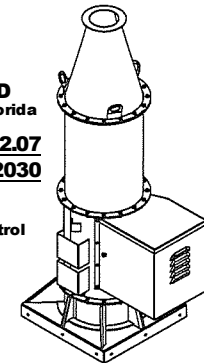


SEE MOUNTING DETAIL  
SHT 13 OF 13

300	122	60	57 1/2	60
270	120	54	56	56
245	120	50	50 1/2	50
225	120	48	45	44
210	120	44	43 1/2	42
195	120	42	43	39
180	120	38	40 1/2	35
165	120	34	38	30
150	120	32	36 1/2	29
135	120	30	34	26
120	120	28	33	22
100	120	24	32	20
UNIT	A	B	C	D
SIZE	DIM	DIM	DIM	DIM




**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0102.07**  
Expiration Date: **03/12/2030**  
By: *Manuel Ferraz*  
Miami-Dade Product Control



TCNHBLE FOR MIXING BOX AND ISOLATION BOX

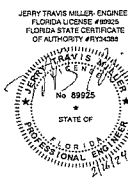
CARBON STEEL: SY MIN=50KSI

14	-	NUT	-
13	-	LOCKWASHER	-
12	-	WASHER	-
10	-	3/8" X 1" HEX HEAD BOLT	-
9	-	1/4 X 3/4 TEK SCREWS	-
8	SHT 12	1 X 1 CURB	-
7	-	CURB MOUNTING BRACKET	10 GA STEEL
6	SHT 8	DRUM EXTENSION	-
5	SHT 7	CURB CAP WELDMENT	-
4	SHT 6	MOTOR COVER WELDMENT	-
3	SHT 5	TCNHBLE NOZZLE WELDMENT	-
2	-	ACCESS DOOR SIZES 100-210	12 GA STEEL
2	-	ACCESS DOOR SIZES 225-300	10 GA STEEL
1	SHT 10	HOUSING WELDMENT SIZES 225-300	-
1	SHT 9	HOUSING WELDMENT SIZES 100-210	-
ITEM	SHT #	DESCRIPTION	MATERIAL SPEC

MAT'L			
DRAWN	JWA	7/22/2014	
DESIGNER	BFS	SHEET 3 OF 13	
DO NOT SCALE DRAWING			
TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL XX = ± .003" .XXX = ± .010" .XXXX = ± .001"		FRACTIONAL ± 1/16" >12" THRU 96" = ± 1/8" >96 THRU 144" = ± 1/4" >144" = ± 3/8"	
ANGULAR ± 2°		(NC) = NO INSPECTION REQ'D	
		<b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI	
		TCNHBLE FOR TCNHBLE SIZES 100-300	
		SIZE	DRAWING NO.
B		SD140723-05	B

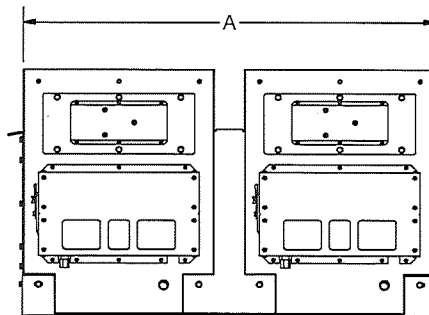
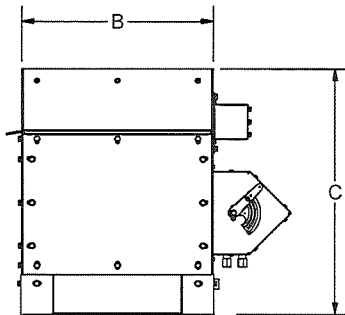
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **24-0311.08**  
Expiration Date **03/12/2025**

By *[Signature]*  
Miami-Dade Product Control



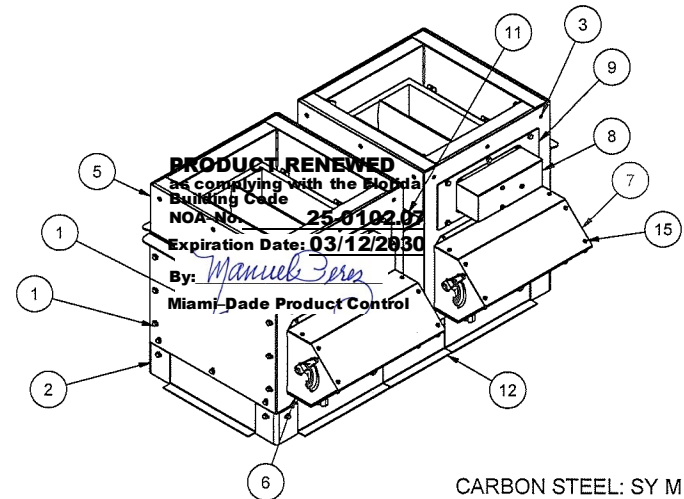


300	123 1/4	59 3/4	38 1/4
270	111 1/4	53 3/4	37 1/2
245	103 1/4	49 3/4	37 1/2
225	99 1/4	47 3/4	35 1/4
210	91 1/4	43 3/4	34 1/4
195	87 1/4	41 3/4	35 3/4
180	79 1/4	37 3/4	35
165	71 1/4	33 3/4	34
150	67 1/4	31 3/4	32 1/2
135	63 1/4	29 3/4	31 3/4
120	59 1/4	27 3/4	31 1/2
100	51 1/4	23 3/4	30 1/2
UNIT	A	B	C
SIZE	DIM	DIM	DIM



**PRODUCT RENEWED**  
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Building Code  
NOA-No. **25-0102.07**  
Expiration Date: **03/12/2030**  
By: *Manuel Fern*  
Miami-Dade Product Control

**PRODUCT REVISED**  
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NOA-No. **24-0311.08**  
Expiration Date: **03/12/2025**  
By: *R. H. H.*  
Miami-Dade Product Control

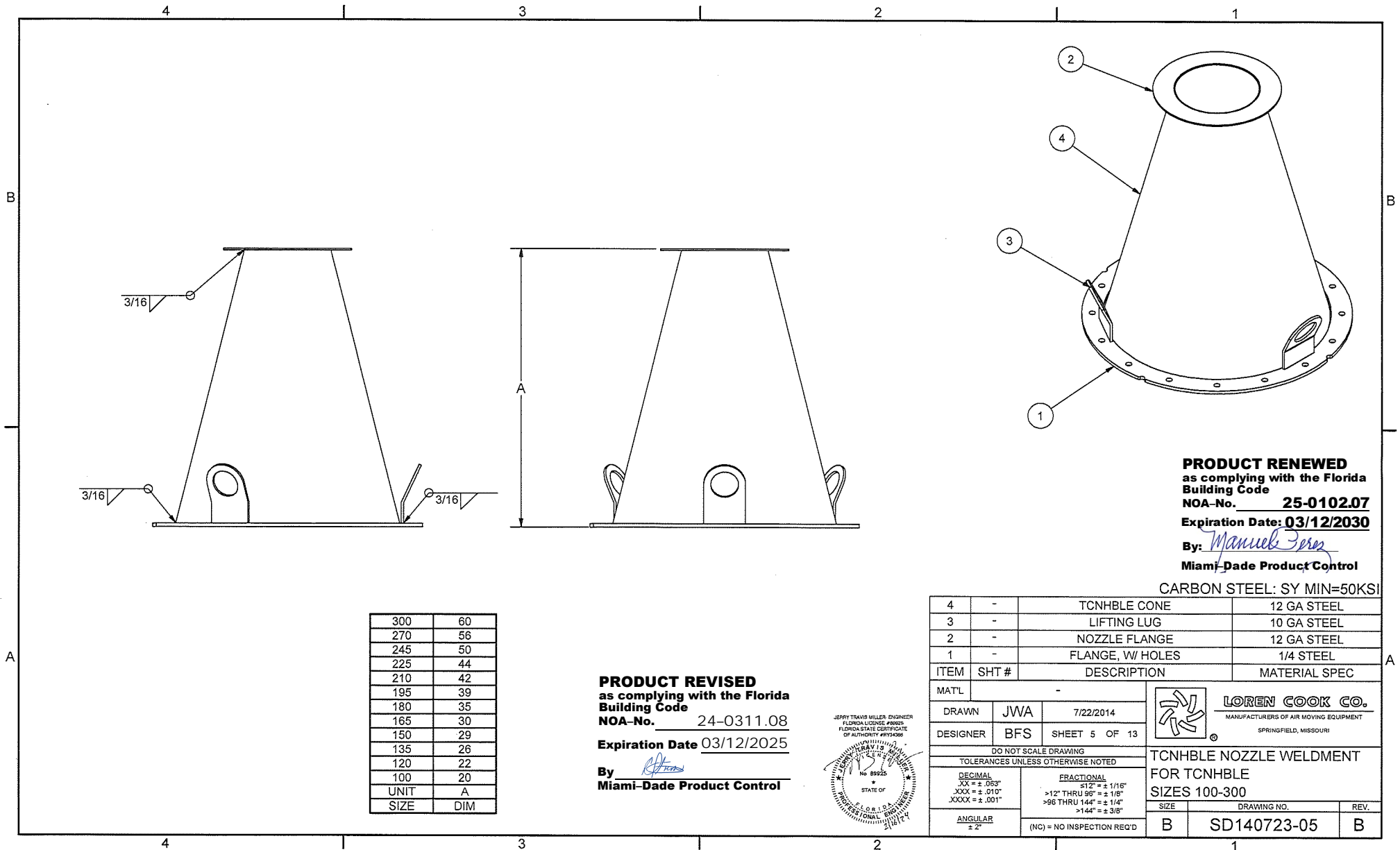


CARBON STEEL: SY MIN=50KSI  
ALUMINUM: SY MIN=17KSI

15	-	1/4" X 3/4" TEK SCREWS	-
14	-	3/8" X 1" HEX HEAD BOLT	-
13	-	CURB MOUNTING BRACKET	10 GA STEEL
12	-	ADAPTOR PANEL	10 GA STEEL
11	-	TOP CHANNEL, ADAPTOR FRAME	7 GA STEEL
10	-	CURB MOUNTING BRACKET	10 GA STEEL
9	-	DAMPER DOOR	7 GA STEEL
8	-	ACTUATOR COVER, WRAP	18 GA STEEL
7	-	WEATHER HOOD COVER	16 GA STEEL
6	-	WEATHER HOOD SIDE	12 GA STEEL
5	-	UPPER SIDE PANEL	10 GA STEEL
4	-	LOWER FRAME SIDE PANEL	10 GA STEEL
3	-	DAMPER PANEL	10 GA STEEL
2	-	CORNER ANGLE	1/4 STEEL
1	-	ACCESS DOOR SIZES 135-300	.25 ALUM
1	-	ACCESS DOOR SIZES 100-120	.19 ALUM

ITEM	SHT #	DESCRIPTION	MATERIAL SPEC
MAT'L			
DRAWN	JWA	7/22/2014	
DESIGNER	BFS	SHEET 4 OF 13	
DO NOT SCALE DRAWING			
TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL XX = ± .063" .XXX = ± .010" .XXXX = ± .001"	FRACTIONAL 5/16" = ± 1/16" >12" THRU 96" = ± 1/8" >96 THRU 144" = ± 1/4" >144" = ± 3/8"		
ANGULAR ± 2°	(NC) = NO INSPECTION REQ'D		
		1 X 2 MIXING BOX FOR TCNHBLE SIZES 100-300	
		SIZE	DRAWING NO.
		B	SD140723-05
		REV.	B

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





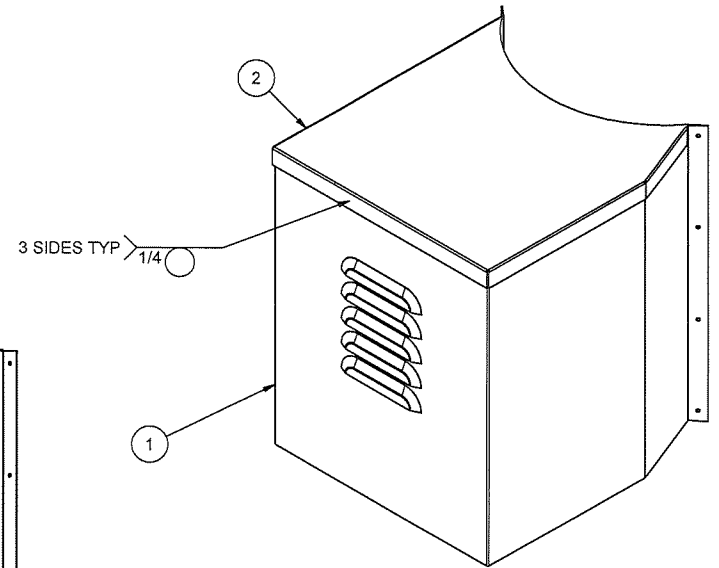
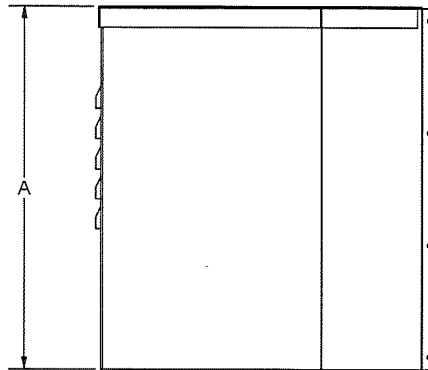
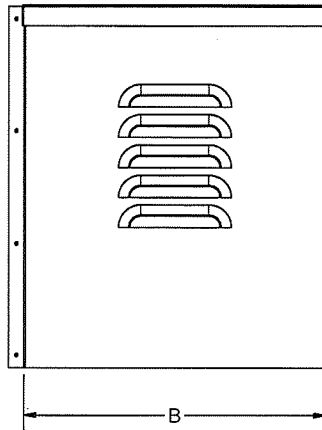
4

3

2

1

B



B

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code

NOA-No. **25-0102.07**

Expiration Date: **03/12/2030**

By: *Manuel Perez*  
Miami-Dade Product Control

CARBON STEEL: SY MIN=50KSI

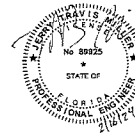
**PRODUCT REVISED**  
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Building Code  
NOA-No. **24-0311.08**

Expiration Date **03/12/2025**

By: *RJH*  
Miami-Dade Product Control

270-300	30 3/32	23
225-245	25 3/32	20
150-210	22 3/32	19
100-135	18 3/32	15
UNIT	A	B
SIZE	DIM	DIM

JERRY TRAVIS MILLER, ENGINEER  
FLORIDA LICENSE #80025  
FLORIDA STATE CERTIFICATE  
OF AUTHORITY #1704386



2	-	MOTOR COVER TOP	16 GA STEEL
1	-	MOTOR COVER WRAPPER	16 GA STEEL
ITEM	SHT #	DESCRIPTION	MATERIAL SPEC
MAT'L	-	-	-
DRAWN	JWA	7/22/2014	
DESIGNER	BFS	SHEET 6 OF 13	
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL XX = ± .063" .XXX = ± .010" XXXX = ± .001"		FRACTIONAL 5/12" = ± 1/16" >12" THRU 96" = ± 1/8" >96 THRU 144" = ± 1/4" >144" = ± 3/8"	
ANGULAR ± 2°		(NC) = NO INSPECTION REQ'D	
MOTOR COVER WELDMENT FOR TCNHBLE SIZES 100-300			
SIZE	DRAWING NO.	REV.	
B	SD140723-05	B	



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

4

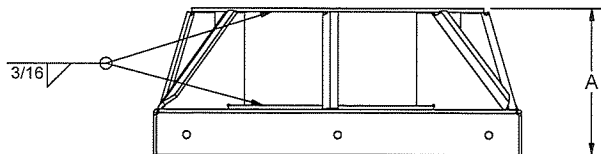
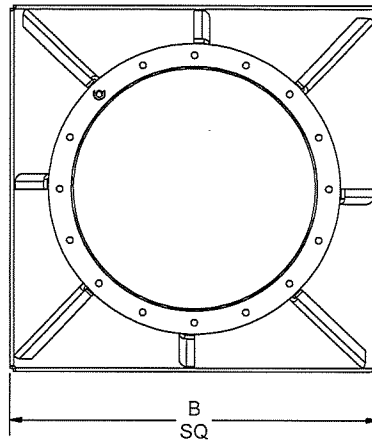
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2

1

A

A

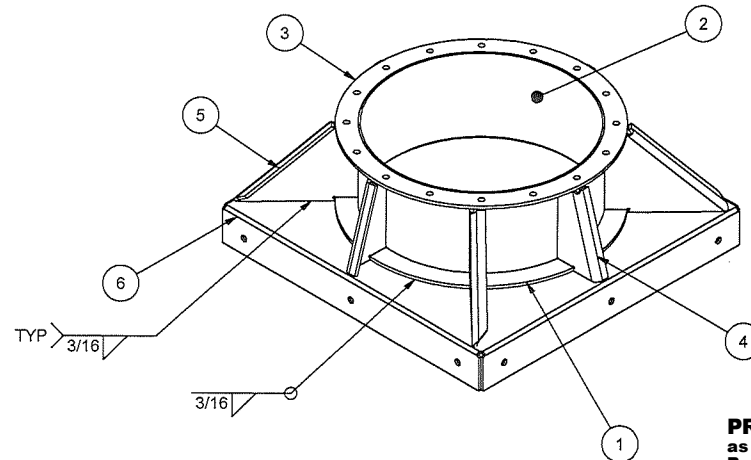


300	9 1/4	60
270	9 1/4	54
245	9 1/4	50
225	9 1/4	48
210	9 1/4	44
195	9 1/4	42
180	9 1/4	38
165	9 1/4	34
150	9 1/4	32
135	9 1/4	30
120	9 3/4	28
100	9 3/4	24
UNIT	A	B
SIZE	DIM	DIM

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0311.08

Expiration Date 03/12/2025

By *[Signature]*  
Miami-Dade Product Control




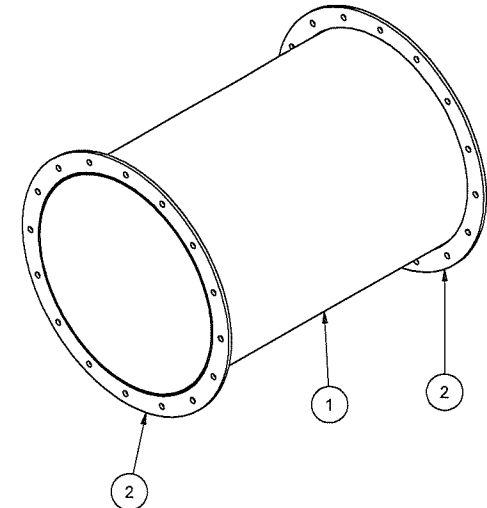
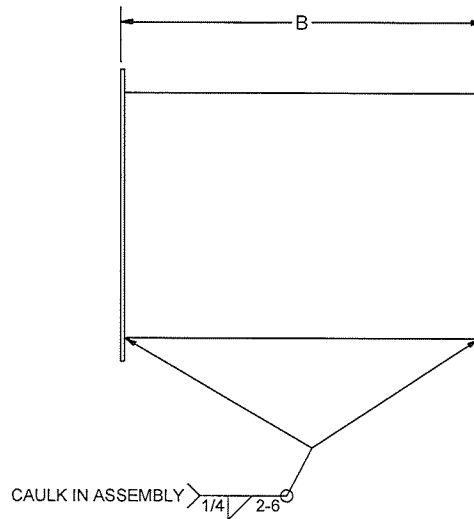
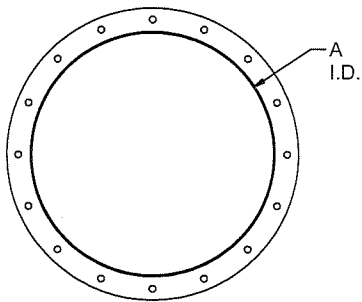
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 25-0102.07

Expiration Date: 03/12/2030

By: *[Signature]*  
Miami-Dade Product Control

CARBON STEEL: SY MIN=50KSI

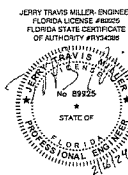
6	-	CURB CAP	7 GA STEEL
5	-	CORNER GUSSET	1/4 STEEL
4	-	BASE GUSSET	1/4 STEEL
3	-	FLANGE, W/ HOLES	1/4 STEEL
2	-	UPPER DRUM	10 GA STEEL
1	-	FLANGE, W/O HOLES	1/4 STEEL
ITEM	SHT #	DESCRIPTION	MATERIAL SPEC
MAT'L	-		
DRAWN	JWA	7/22/2014	 LOREN COOK CO. MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI
DESIGNER	BFS	SHEET 7 OF 13	
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL XX = ± .063" XXX = ± .010" XXXX = ± .001"		FRACTIONAL 5/16" = ± 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.	
B		SD140723-05	
REV.		B	



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. **25-0102.07**  
Expiration Date: **03/12/2030**  
By: *Manuel Fern*  
**Miami-Dade Product Control**

CARBON STEEL: SY MIN=50KSI

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. **24-0311.08**  
Expiration Date **03/12/2025**  
By: *R. J. [Signature]*  
**Miami-Dade Product Control**



2	-	FLANGE, W/ HOLES	1/4 STEEL
1	-	UPPER DRUM SIZES 225-300	10 GA STEEL
1	-	UPPER DRUM SIZES 100-210	12 GA STEEL
ITEM	SHT #	DESCRIPTION	MATERIAL SPEC
MAT'L	-	-	-
DRAWN	JWA	7/22/2014	
DESIGNER	BFS	SHEET 8 OF 13	
DO NOT SCALE DRAWING			
TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL		FRACTIONAL	
.XX = ± .003"		1/16" = ± 1/16"	
.XXX = ± .010"		>12" THRU 96" = ± 1/8"	
.XXXX = ± .001"		>96 THRU 144" = ± 1/4"	
ANGULAR		(NC) = NO INSPECTION REQ'D	
± .2°			



DRUM EXTENSION FOR TCNHBLE SIZES 100-300		
SIZE	DRAWING NO.	REV.
B	SD140723-05	B

UNIT	A	B
SIZE	DIM	DIM
WITH MIXING BOX		
210	34	6 5/8
195	31	5 1/8
180	28	12 1/8
165	26	20 5/8
150	24	24 5/8
135	21	31 1/8
120	18	36 3/8
100	16	40 3/8

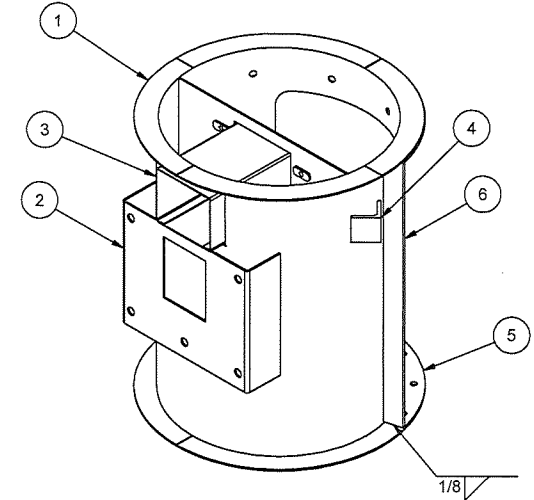
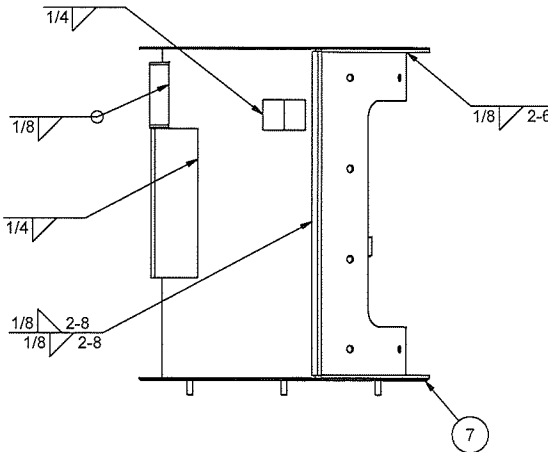
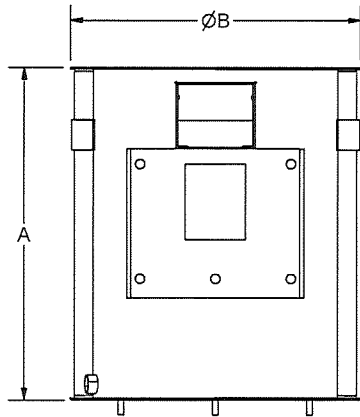
UNIT	A	B
SIZE	DIM	DIM
WITHOUT MIXING BOX		
300	48	4 1/2
270	44	8 1/4
245	40	19 3/4
225	36	31 1/4
210	34	34 1/2
195	31	38 1/4
180	28	44 1/2
165	26	52
150	24	54 1/2
135	21	60 1/4
120	18	65 1/4
100	16	68 1/4

**PRODUCT REVISED**  
as complying with the Florida  
Building Code

NOA-No. 24-0311.08

Expiration Date 03/12/2025

By *[Signature]*  
Miami-Dade Product Control



210	34 5/8	37 3/16
195	33 3/8	34 3/16
180	31 1/8	31 3/16
165	28 5/8	29 3/16
150	27 1/8	27 3/16
135	24 5/8	24 3/16
120	23 1/8	21 3/16
100	22 1/16	19 3/16
UNIT	A	B
SIZE	DIM	DIM

NOTES:  
1. THIS SHEET IS FOR HOUSING WELDMENT SIZES 100-210.  
FOR HOUSING WELDMENT 225-300 SEE SHEET 10.

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code

NOA-No. 25-0102.07

Expiration Date: 03/12/2030


By: *[Signature]*  
Miami-Dade Product Control

JERRY TRAVIS MILLER, ENGINEER  
FLORIDA LICENSE #89225  
FLORIDA STATE CERTIFICATE  
OF AUTHORITY #17134288



CARBON STEEL: SY MIN=50KSI

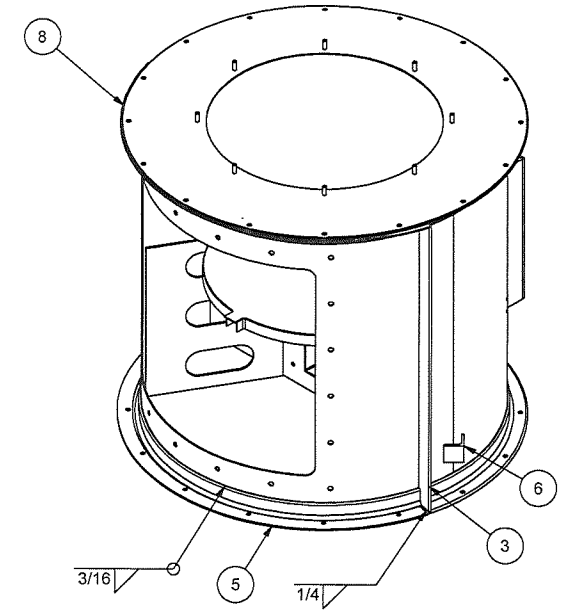
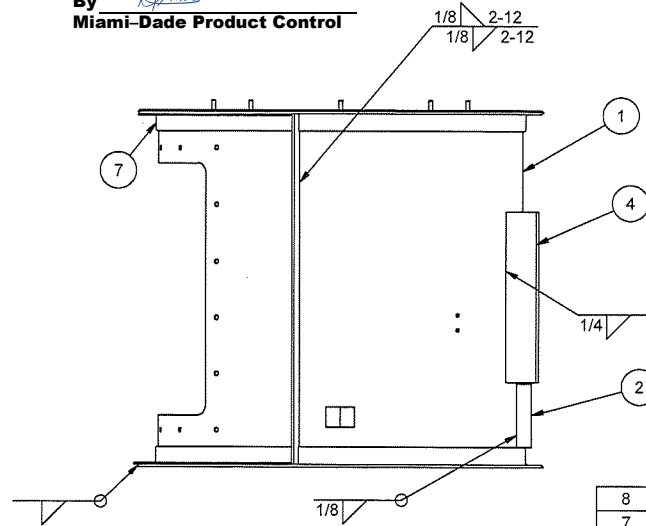
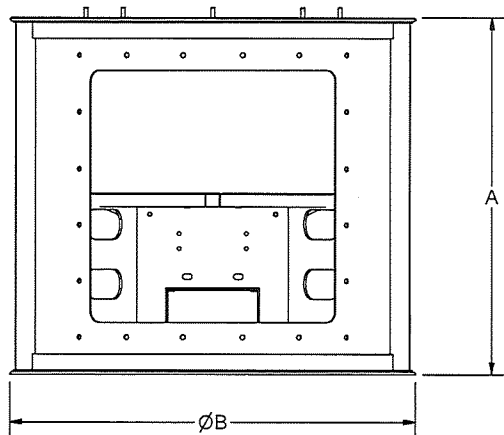
7		INLET PANEL SIZES 120-210	12 GA STEEL
7	-	INLET PANEL SIZE 100	14 GA STEEL
6	-	STIFFENER, ACCESS DOOR	1/4" STEEL
5	-	FLANGE SECTION	1/4 STEEL
4	-	LIFTING LUG ANGLE	1/4 STEEL
3	-	BELT TUNNEL SIZES 165-210	12 GA STEEL
3	-	BELT TUNNEL SIZES 100-150	14 GA STEEL
2	-	MOTOR MOUNT BRACKET	10 GA STEEL
1	-	HOUSING WITH ACCESS	12 GA STEEL
ITEM	SHT #	DESCRIPTION	MATERIAL SPEC

MAT'L	-		 ®	<b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI						
DRAWN	JWA	7/22/2014								
DESIGNER	BFS	SHEET 9 OF 13								
DO NOT SCALE DRAWING			<b>HOUSING WELDMENT</b> <b>FOR TCNHBLE</b> <b>SIZES 100-210</b>							
TOLERANCES UNLESS OTHERWISE NOTED										
<u>DECIMAL</u>		<u>FRACTIONAL</u>								
.XX = ± .003"		±1/2" = ± 1/16"								
.XXX = ± .010"		>12" THRU 96" = ± 1/8"								
.XXXX = ± .001"		>96 THRU 144" = ± 1/4"								
.XXXX = ± .001"		>144" = ± 3/8"								
<u>ANGULAR</u>		(NC) = NO INSPECTION REQ'D	<table><tr><td>SIZE</td><td>DRAWING NO.</td><td>REV.</td></tr><tr><td>B</td><td>SD140723-05</td><td>B</td></tr></table>		SIZE	DRAWING NO.	REV.	B	SD140723-05	B
SIZE	DRAWING NO.				REV.					
B	SD140723-05	B								
± 2°										

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0311.08

Expiration Date 03/12/2025

By *[Signature]*  
Miami-Dade Product Control



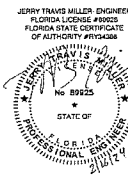
NOTES:  
1. THIS SHEET IS FOR HOUSING WELDMENT SIZES 225-300.  
FOR HOUSING WELDMENT 100-210 SEE SHEET 9.

300	48 3/8	52 1/4
270	46 5/8	48 1/4
245	41 1/8	44 1/4
225	35 5/8	40 1/4
UNIT	A	B
SIZE	DIM	DIM

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 25-0102.07


Expiration Date: 03/12/2030

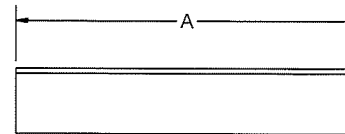
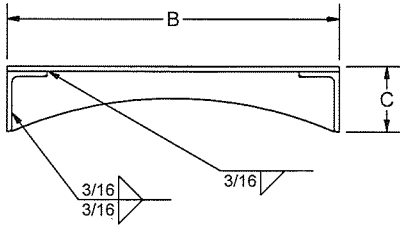
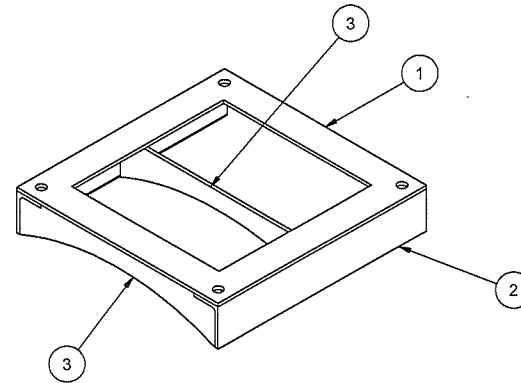
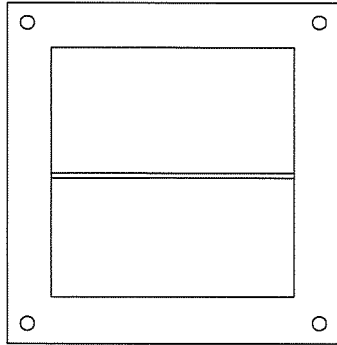
By: *[Signature]*  
Miami-Dade Product Control



CARBON STEEL: SY MIN=50KSI

ITEM	SHT #	DESCRIPTION	MATERIAL SPEC
8	-	INLET PANEL	12 GA STEEL
7	-	OUTER HOUSING RING	1/4 STEEL
6	-	LIFTING LUG ANGLE	1/4 STEEL
5	-	FLANGE SECTION	1/4 STEEL
4	SHT 11	MOTOR PLATE WELDMENT	-
3	-	STIFFENER, ACCESS DOOR	1/4 STEEL
2	-	BELT TUNNEL	12 GA STEEL
1	-	HOUSING WITH ACCESS	10 GA STEEL

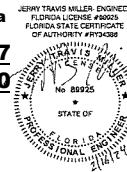
DRAWN JWA 7/22/2014			LOREN COOK CO.	
DESIGNER BFS	SHEET 10 OF 13		MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI	
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED				
DECIMAL .XX = ± .003" .XXX = ± .010" .XXXX = ± .001"		FRACTIONAL 5/16" = ± 1/16" >12" THRU 96" = ± 1/8" >96 THRU 144" = ± 1/4" >144" = ± 3/8"		
ANGULAR ± 2°		(NC) = NO INSPECTION REQ'D		
SIZE B		DRAWING NO. SD140723-05		REV. B




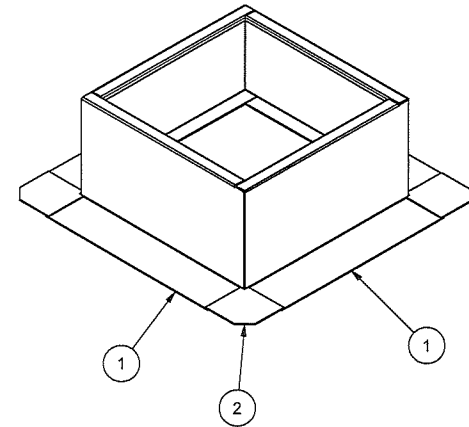
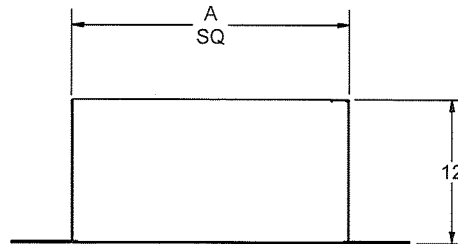
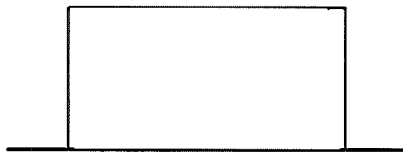
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0311.08  
Expiration Date 03/12/2025  
By *[Signature]*  
Miami-Dade Product Control

300	18 3/4	19 1/2	3 3/4
270	18 3/4	19 1/2	3 3/4
245	17	16 1/2	3 1/4
225	17	16 1/2	3 1/4
UNIT	A	B	C
SIZE	DIM	DIM	DIM

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 25-0102.07  
Expiration Date: 03/12/2030  
By: *Manuel Perez*  
Miami-Dade Product Control



CARBON STEEL: SY MIN=50KSI			
3	-	SUPPORT GUSSET	1/4 STEEL
2	-	MOTOR RAIL	1/4 STEEL
1	-	MOTOR MOUNT PLATE	1/4 STEEL
ITEM	SHT #	DESCRIPTION	MATERIAL SPEC
MAT'L			
DRAWN	JWA	7/22/2014	 <b>LOREN COOK CO.</b> MANUFACTURERS OF AIR MOVING EQUIPMENT SPRINGFIELD, MISSOURI
DESIGNER	BFS	SHEET 11 OF 13	
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL		FRACTIONAL	
.XX ± .003"		± 1/16"	
.XXX ± .010"		>12" THRU 96" = 1/8"	
.XXXX ± .001"		>96 THRU 144" = 1/4"	
		>144" = 3/8"	
ANGULAR		(NC) = NO INSPECTION REQ'D	
± 2"			
MOTOR MOUNT WELDMENT FOR TCNHBLE SIZES 100-300			
SIZE		DRAWING NO.	REV.
B		SD140723-05	B

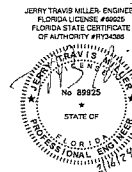


300	58 7/8	297
270	52 7/8	266
245	48 7/8	246
225	46 7/8	235
210	42 7/8	215
195	40 7/8	205
180	36 7/8	184
165	33	164
150	31	154
135	29	144
120	27 1/16	134
100	23 1/16	113
UNIT	A	WEIGHT
SIZE	DIM	IN LBS


**PRODUCT REVISED**  
as complying with the Florida  
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NOA-No. 24-0311.08

Expiration Date 03/12/2025

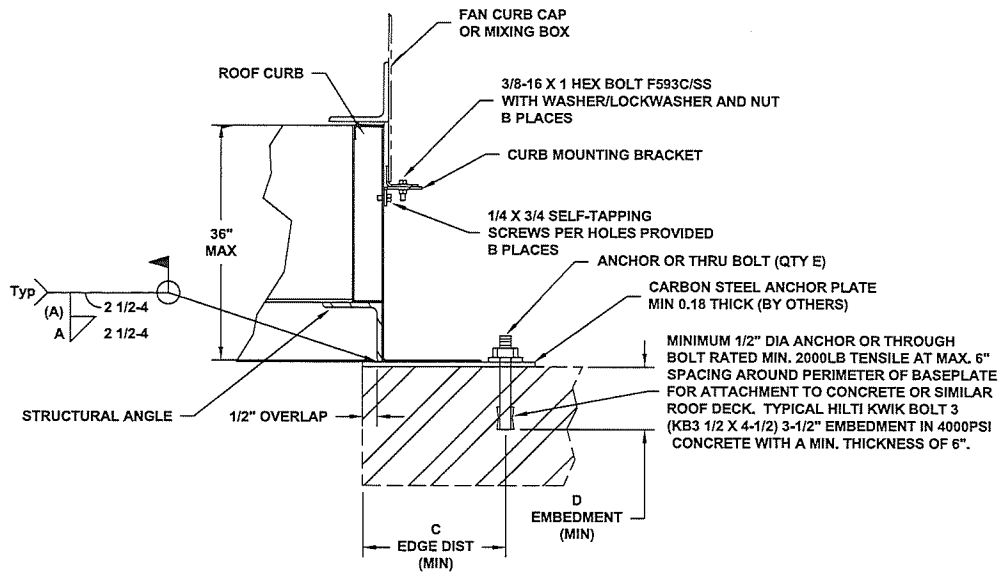
By *[Signature]*  
Miami-Dade Product Control



**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 25-0102.07  
Expiration Date: 03/12/2030  
By: *[Signature]*  
Miami-Dade Product Control

2	-	LEC CORNER FLANGE	7 GA STEEL
1	-	LEC SIDE PANEL	7 GA STEEL
ITEM	SHT #	DESCRIPTION	MATERIAL SPEC
MAT'L			
DRAWN	JWA	7/22/2014	
DESIGNER	BFS	SHEET 12 OF 13	
DO NOT SCALE DRAWING			
TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL XX = ± .063" .XXX = ± .010" .XXXX = ± .001"		FRACTIONAL 3/16" = ± 1/16" >12" THRU 96" = ± 1/8" >96 THRU 144" = ± 1/4" >144" = ± 3/8"	
ANGULAR ± 2"		(NC) = NO INSPECTION REQ'D	
		<div><div></div><div><div>LOREN COOK CO.</div><div>MANUFACTURERS OF AIR MOVING EQUIPMENT</div><div>SPRINGFIELD, MISSOURI</div></div></div>	
1 X 1 CURB			
FOR TCNHBLE			
SIZES 100-300			
SIZE		DRAWING NO.	REV.
B		SD140723-05	B

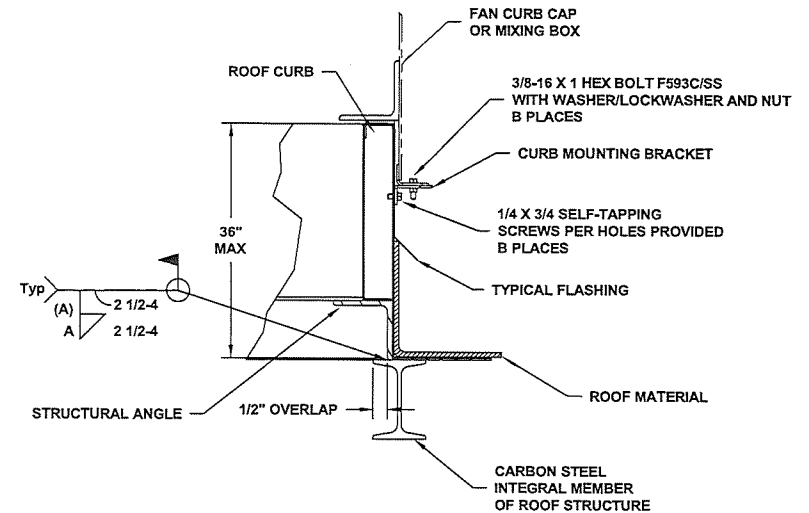




ALTERNATE LEFT CURB ATTACHMENT  
(WELD CURB TO ANCHOR PLATE)  
ATTACH ANCHOR PLATE TO ROOF STRUCTURE  
WITH MECHANICAL FASTENERS

245 thru 300	1/4	56	28	42	6	3.5
100 thru 225	1/4	40	20	30	6	3.5
UNIT	A	LESS BOX	SINGLE BOX	DUAL BOX	C	D
SIZE	DIM	B PLACES	B PLACES	B PLACES	DIM	DIM

CURB ANCHORAGE MECHANICAL FASTENER MINIMUM QUANTITY (E)				
300	12	23	12	23
270	11	21	11	21
245	11	20	11	20
225	10	19	10	19
210	10	18	10	18
195	9	17	9	17
180	9	16	9	16
165	8	14	8	14
150	8	14	8	14
135	7	13	7	13
120	7	12	7	12
100	6	11	6	11
UNIT	LESS BOX/ SINGLE AND SHORT SIDE DUAL BOX QUANTITY E	LONG SIDE OF DUAL BOX QUANTITY E	TOTAL PERIMETER FASTENERS FOR LESS BOX AND SINGLE QUANTITY E	TOTAL PERIMETER DUAL BOX QUANTITY E



STANDARD LEFT CURB ATTACHMENT  
(WELD CURB TO ROOF STRUCTURE)

245 thru 300	1/4	56	28	42
100 thru 225	1/4	40	20	30
UNIT	A	LESS BOX	SINGLE BOX	DUAL BOX
SIZE	DIM	B PLACES	B PLACES	B PLACES

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 24-0311.08

Expiration Date 03/12/2025

By *[Signature]*  
Miami-Dade Product Control

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 25-0102.07


Expiration Date: 03/12/2030

By *[Signature]*  
Miami-Dade Product Control

JERRY TRAVIS MILLER-ENGINEER  
FLORIDA LICENSE #8600  
FLORIDA STATE CERTIFICATE  
OF AUTHORITY #1704266



MAT'L	-	
DRAWN	BFS	07/23/14
DESIGNER	BFS	SHEET 13 OF 13
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE NOTED		
DECIMAL	FRACTIONAL	
.XX=±.063"	≤12"=±1/16"	
.XXX=±.010"	>12" THRU 96"=±1/8"	
.XXXX=±.001"	>96" THRU 144"=±1/4"	
ANGULAR	>144"=±3/8"	
±2'	(NC)=NO INSPECTION REQ'D	

	<b>LOREN COOK CO.</b>	
	MANUFACTURERS OF AIR MOVING EQUIPMENT	
	SPRINGFIELD, MISSOURI	
	®	

MOUNTING DETAIL FOR TCNHBLE SIZES 100-300		
SIZE	DRAWING NO.	REV.
B	SD140723-05	B