



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](http://www.miamidade.gov/building)

**Air Flow Company, Inc.**  
**850 West Fullerton Ave.**  
**Addison, IL 60101**

**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: Aluminum Stationary Louvers**

**APPROVAL DOCUMENT:** Drawing No. **08-01674**, titled "Aluminum Stationary Louvers – Large Missile Impact", sheets 1 through 6 of 6, dated 07/16/2012, with revision C dated 10/02/2024, prepared by L. Roberto Lomas, P.E., signed and sealed by Luis R. Lomas, 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, Houston, TX, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**LIMITATION:** This system is to be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room will house water resistant/waterproof equipment, components, or supplies.

**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 NOA # 22-0328.04** and consists of this page 1 and evidence pages E-1 and E-2, as well as the approval document mentioned above.

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



  
04/01/25

NOA No. 25-0311.11  
Expiration Date: May 24, 2027  
Approval Date: April 10, 2025  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's**

**A. DRAWINGS “Submitted under NOA No. 18-0226.05”**

1. Drawing No. **08-01674**, titled “Aluminum Stationary Louvers – Large Missile Impact” sheets 1 through 6 of 6, dated 07/16/12, with revision A dated 02/09/18, prepared by L. Roberto Lomas, P.E., signed and sealed by Luis R. Lomas, P.E.

**B. TESTS “Submitted under NOA No. 18-0226.05”**

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 aluminum stationary louver, prepared by Fenestration Testing Laboratory, Test Report No. **FTL-9595**, dated 09/01/17, signed and sealed by Idalmis Ortega, 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 aluminum stationary louvers, prepared by Certified Testing Laboratories, Test Report No. **CTLA-1371W**, dated 07/29/05, signed and sealed by Ramesh Patel, P.E. “Submitted under NOA No. 05-1110.01”

**C. CALCULATIONS “Submitted under NOA No. 05-1110.01”**

1. Anchor calculations for single and triple Aluminum Stationary Louver Series: EA-403 and EA-623, prepared by PTC Engineering, Inc., dated 10/05/05, signed and sealed by Luis R. Lomas, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

**F. STATEMENTS “Submitted under NOA No. 18-0226.05”**

1. Statement letter of code conformance, complying with the **FBC 6<sup>th</sup> Edition (2017)** and of no financial interest dated 10/04/2017, issued by L. Roberto Lomas, P.E., signed and sealed by Luis R. Lomas, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 25-0311.11**  
**Expiration Date: May 24, 2027**  
**Approval Date: April 10, 2025**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. EVIDENCE SUBMITTED UNDER NOA # 22-0328.04 AND NEW**

**A. DRAWINGS**

1. Drawing No. **08-01674**, titled “Aluminum Stationary Louvers – Large Missile Impact”, sheets 1 through 6 of 6, dated 07/18/2012, with revision C dated 10/02/2024, prepared by L. Roberto Lomas, P.E., signed and sealed by Luis R. Lomas, P.E.

**B. TESTS**

1. None.

**C. CALCULATIONS**

1. Anchor calculations for Aluminum Stationary Louver Series: EA-403 and EA-623, prepared by L. Roberto Lomas, P.E., dated 10/02/2024, signed and sealed by Luis R. Lomas, P.E.
2. Anchor calculations for Aluminum Stationary Louver Series: EA-403 and EA-623, prepared by PTC Engineering, Inc., dated 07/16/2012 and revised on 10/11/2021, signed and sealed by Luis R. Lomas, P.E.

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.

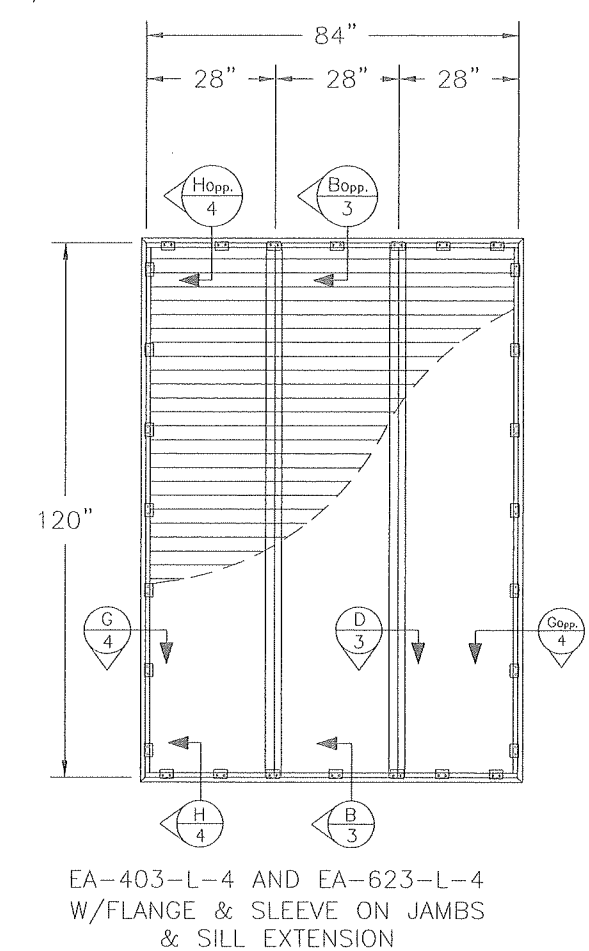
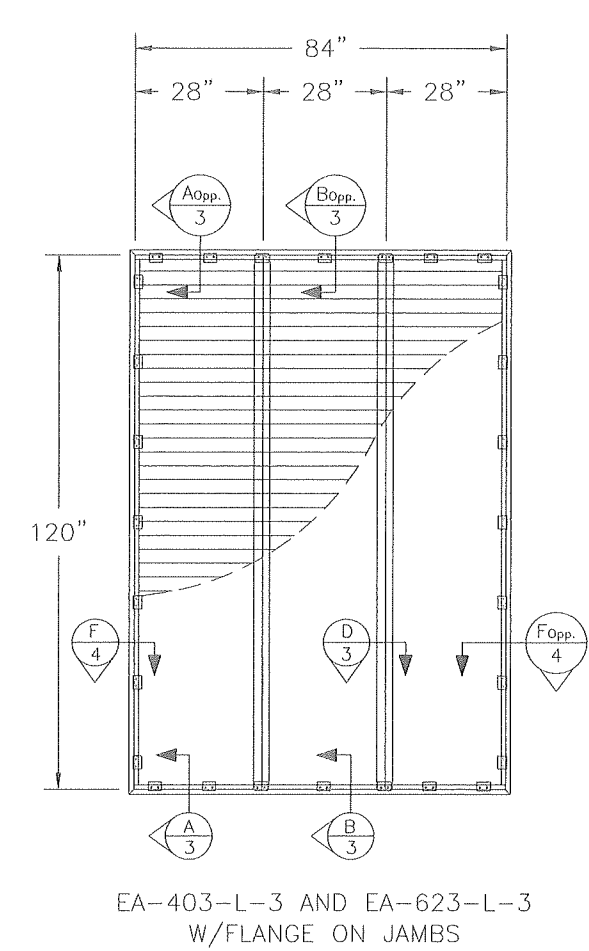
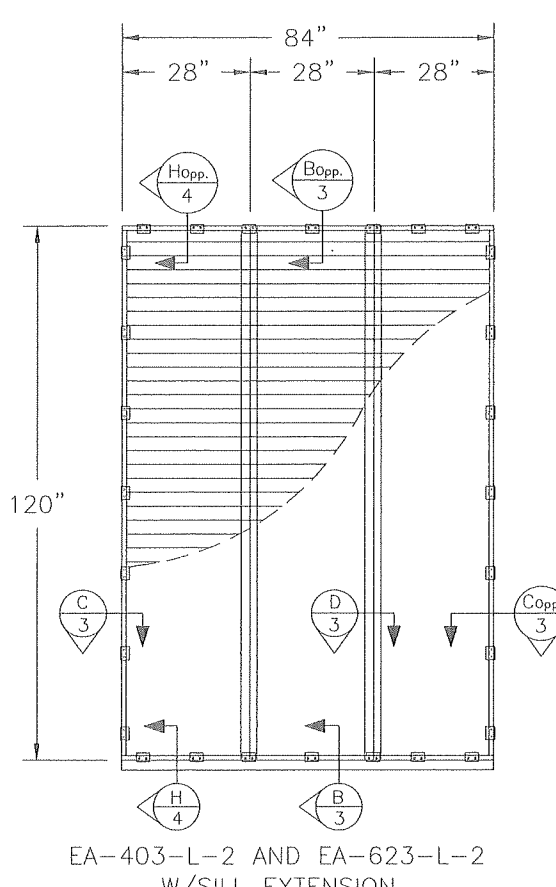
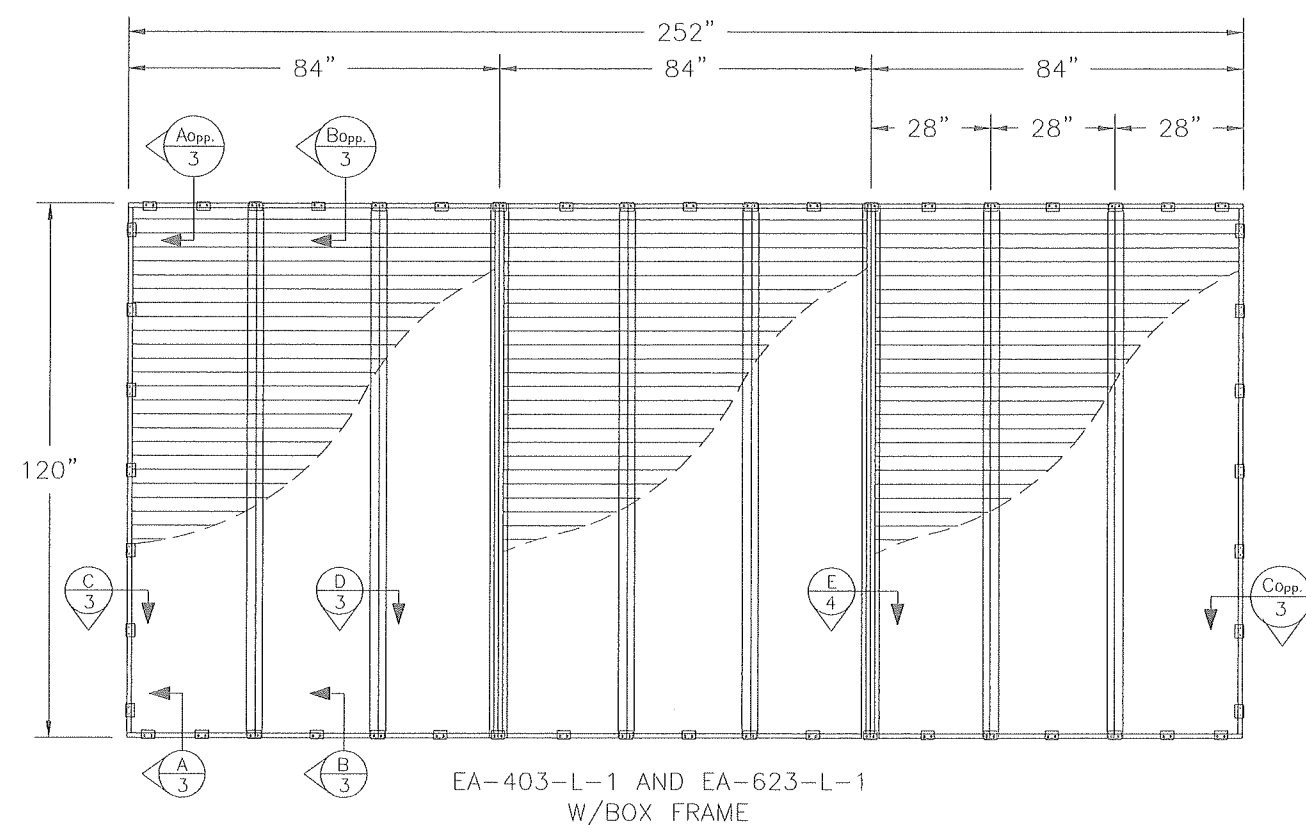
**F. STATEMENTS**

1. Statement letter of code conformance to the 8<sup>th</sup> edition (2023) of the FBC, and of no financial interest, dated 03/03/2025, issued by L. Roberto Lomas, P.E., signed and sealed by Luis R. Lomas, P.E.
2. Statement letter of code conformance to the **FBC 7<sup>th</sup> Edition (2020)** and of no financial interest, dated March 15, 2022, issued by L. Roberto Lomas, P.E., signed and sealed by Luis R. Lomas, P.E.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 25-0311.11**  
**Expiration Date: May 24, 2027**  
**Approval Date: April 10, 2025**



DESIGN PRESSURE RATING	IMPACT RATING
±120.0PSF	LARGE AND SMALL MISSILE IMPACT

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/02/2024	R.L.

- GENERAL NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023), INCLUDING THE HVHZ
  2. WOOD BUCK OR STUD FRAMING TO BE DESIGNED AND ANCHORED PROPERLY TO TRANSFER ALL LOADS TO STRUCTURE, BUCK OR FRAMING IS RESPONSIBILITY OF ARCHITECT OF RECORD.
  3. PRODUCTS ARE APPROVED FOR USE WHERE LARGE MISSILE IMPACT RESISTANCE IS REQUIRED. IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.
  4. SEE DESIGN PRESSURE RATINGS IN CHART ON THIS SHEET.
  5. FRAME CORNERS ARE MITERED, BUTTED AND WELDED.
  6. CAULK THOROUGHLY ALL AROUND THE EXTERIOR PERIMETER OF LOUVERS WITH SAME COLOR AS THE LOUVERS, PROVIDE BACKER ROD BEFORE CAULKING.
  7. PROVIDE BITUMINOUS MATERIAL TIN BETWEEN DISSIMILAR METALS TO AVOID CORROSION.
  8. ALL EA-403 LOUVERS UTILIZE A 2" HIGH X 4" DEEP TOP FRAME MEMBER.  
ALL EA-623 LOUVERS UTILIZE A 2" HIGH X 6" DEEP TOP FRAME MEMBER.
  9. LOUVERS ARE TO BE INSTALLED IN A LOCATION WHERE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOFING EQUIPMENT, COMPONENTS OR SUPPLIES.

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 25-0311.11  
Expiration Date 05/24/2027  
By *[Signature]*  
Miami-Dade Product Control

**AIR FLOW COMPANY, INC**  
850 W FULLERTON AVE  
ADDISON, IL 60101

ALUMINUM STATIONARY LOUVERS  
LARGE MISSILE IMPACT  
ELEVATIONS AND GENERAL NOTES

**SIGNED: 10/02/2024**

**LUIS R. LOMAS**  
LICENSE  
No. 62514  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.  
FL No.: 62514

DRAWN: R.L.  
SCALE: NTS  
DATE: 07/16/12

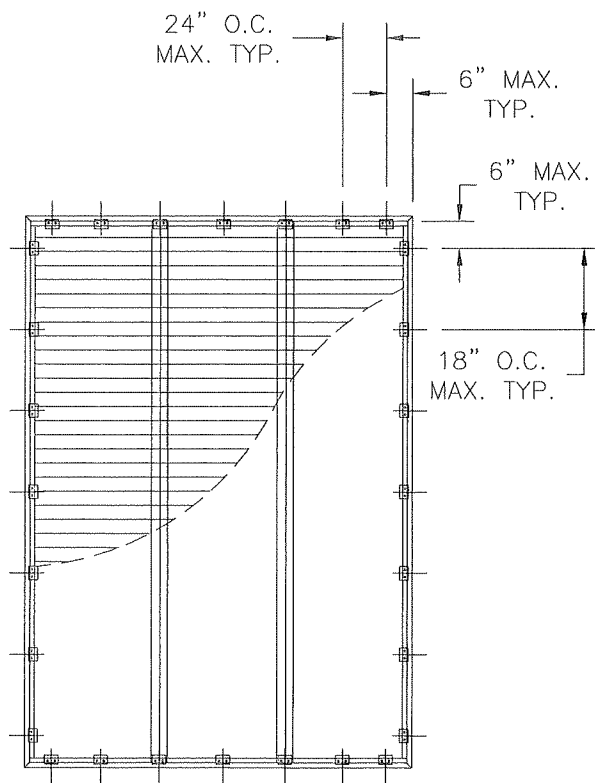
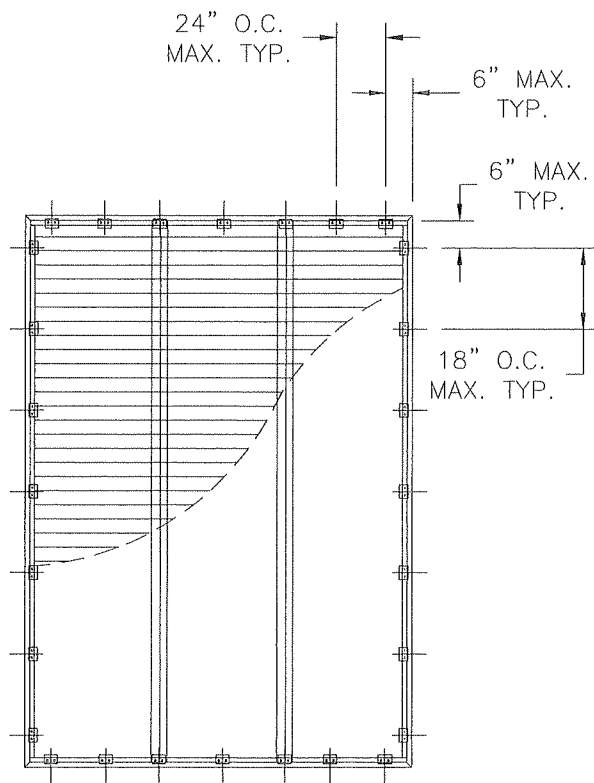
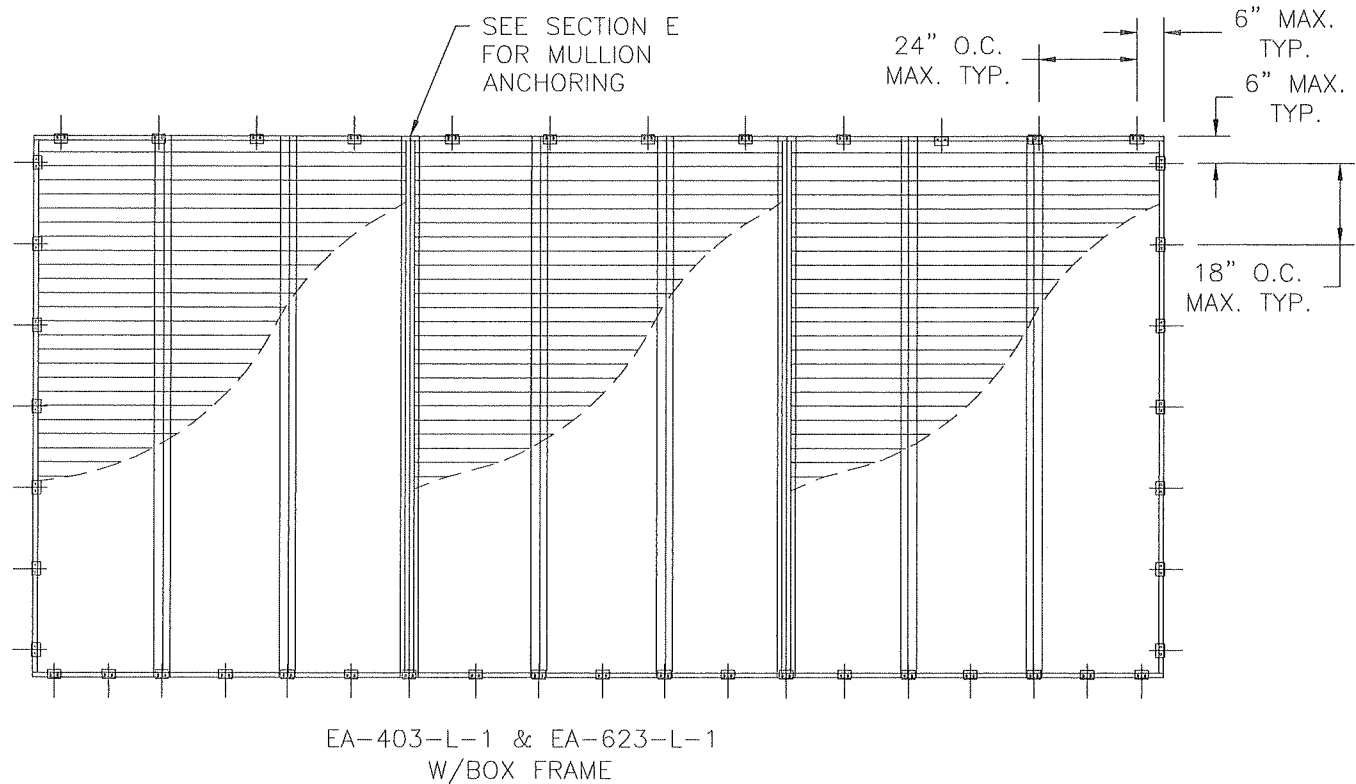
DWG NO. 08-01674  
SHEET 1 OF 6

REV C

L. ROBERTO LOMAS P.E.  
208 7th AVENUE, INDIALANTIC, FL 32903  
434-688-0609 rllomas@rlomaspe.com

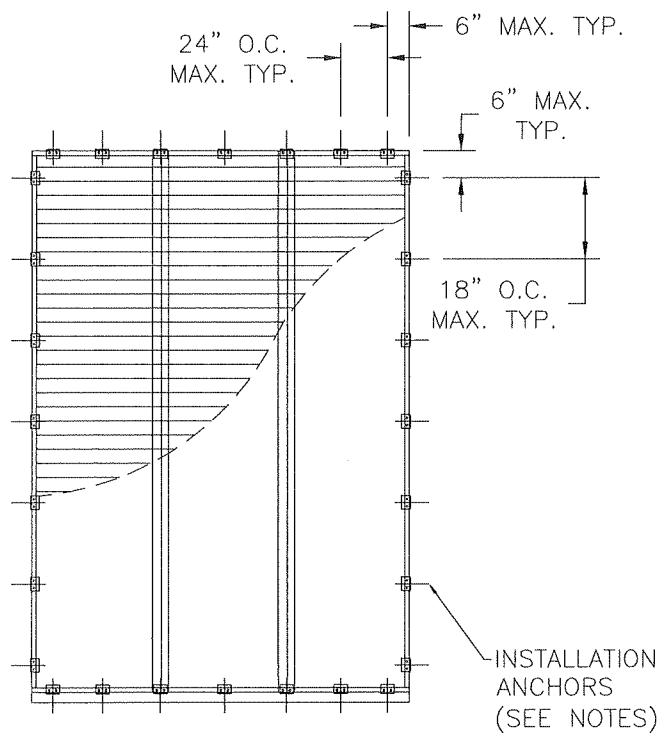


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/02/2024	R.L.



**ANCHORING NOTES:**

- 1) ONE (1) ANCHOR IS REQUIRED AT EACH LOCATION SHOWN. SHIM AS REQUIRED AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
- 2) FOR 2000 PSI MINIMUM CONCRETE SUBSTRATES USE 3/8" DIAMETER POWER-BOLT, WITH A 2" MINIMUM EMBEDMENT. AT HEAD AND SILL LOCATE ANCHORS 6" FROM EACH CORNER AND 24" MAXIMUM ON CENTER THEREAFTER. AT JAMBS LOCATE ANCHORS 6" FROM EACH CORNER AND 18" MAXIMUM ON CENTER THEREAFTER. AT MULLION AREA LOCATE ANCHORS FROM MOUNTING ANGLES.
- 3) FOR WOOD FRAMING SUBSTRATES USE 3/8" DIAMETER LAG BOLT, WITH A 3" MINIMUM EMBEDMENT. AT HEAD AND SILL LOCATE ANCHORS 6" FROM EACH CORNER AND 24" MAXIMUM ON CENTER THEREAFTER. AT JAMBS LOCATE ANCHORS 6" FROM EACH CORNER AND 18" MAXIMUM ON CENTER THEREAFTER. AT MULLION AREA USE 1/2" DIAMETER LAG BOLT, WITH A 4" MINIMUM EMBEDMENT; LOCATE ANCHORS FROM MOUNTING ANGLES.



SIGNED: 10/02/2024

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 25-0311.11

Expiration Date 05/24/2027

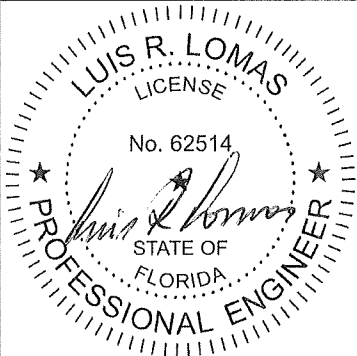
By *[Signature]*  
Miami-Dade Product Control

AIR FLOW COMPANY, INC  
850 W FULLERTON AVE  
ADDISON, IL 60101

ALUMINUM STATIONARY LOUVERS  
LARGE MISSILE IMPACT  
ANCHORING DETAILS AND NOTES

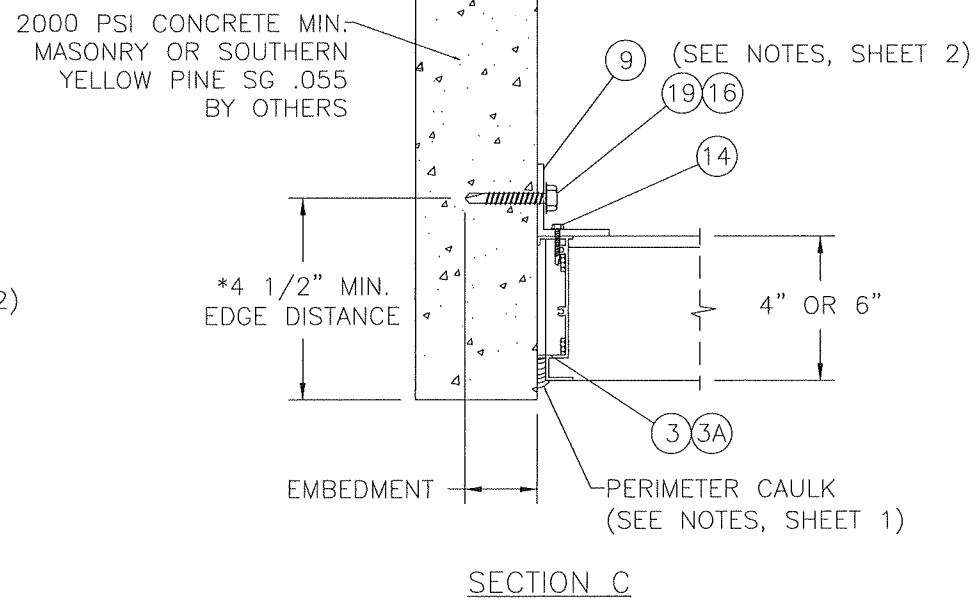
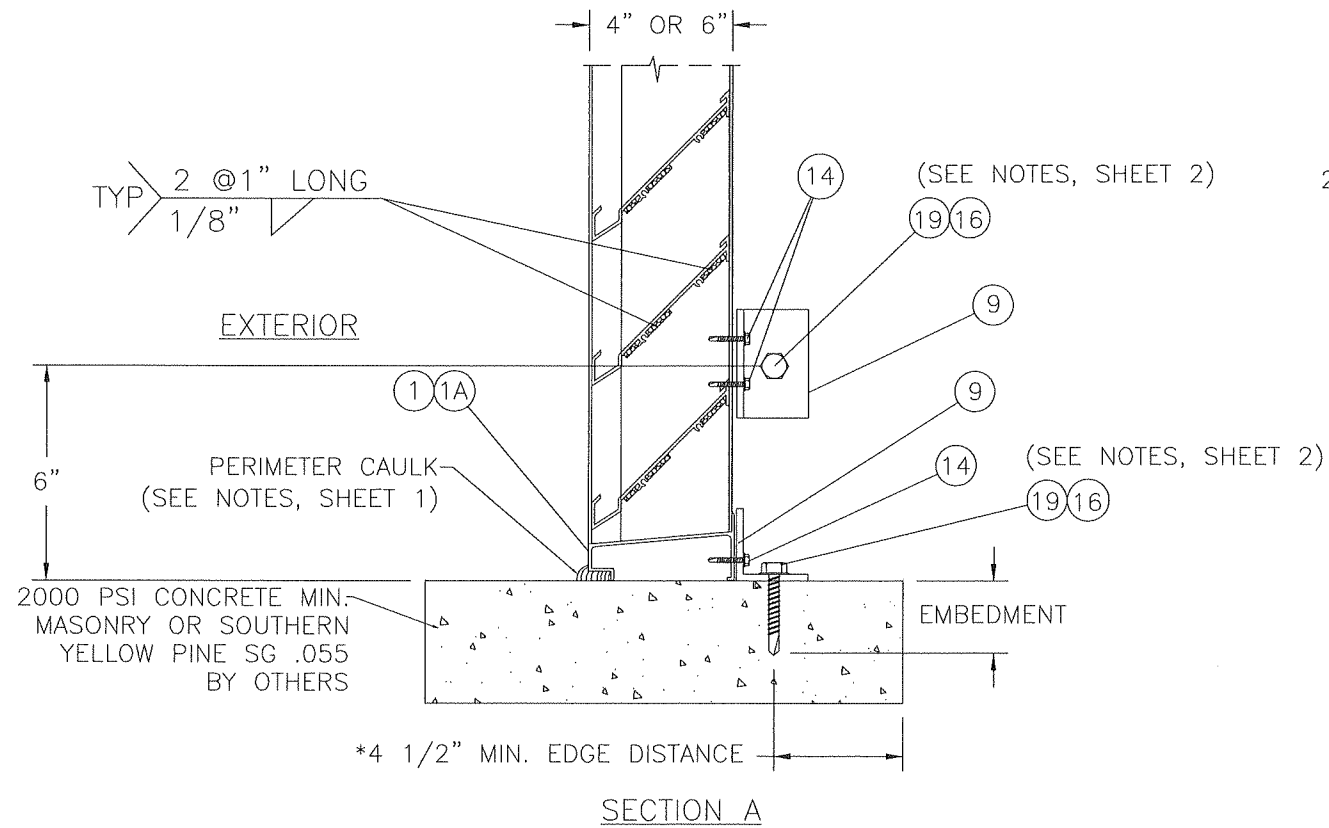
DRAWN: R.L.	DWG NO. 08-01674	REV C
SCALE NTS	DATE 07/16/12	SHEET 2 OF 6

L. ROBERTO LOMAS P.E.  
208 7th AVENUE, INDIALANTIC, FL 32903  
434-688-0609 rllomas@lrlomaspe.com

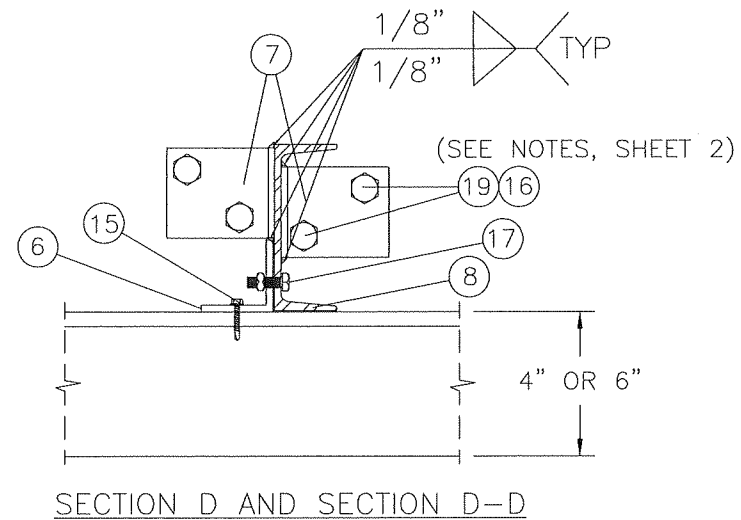
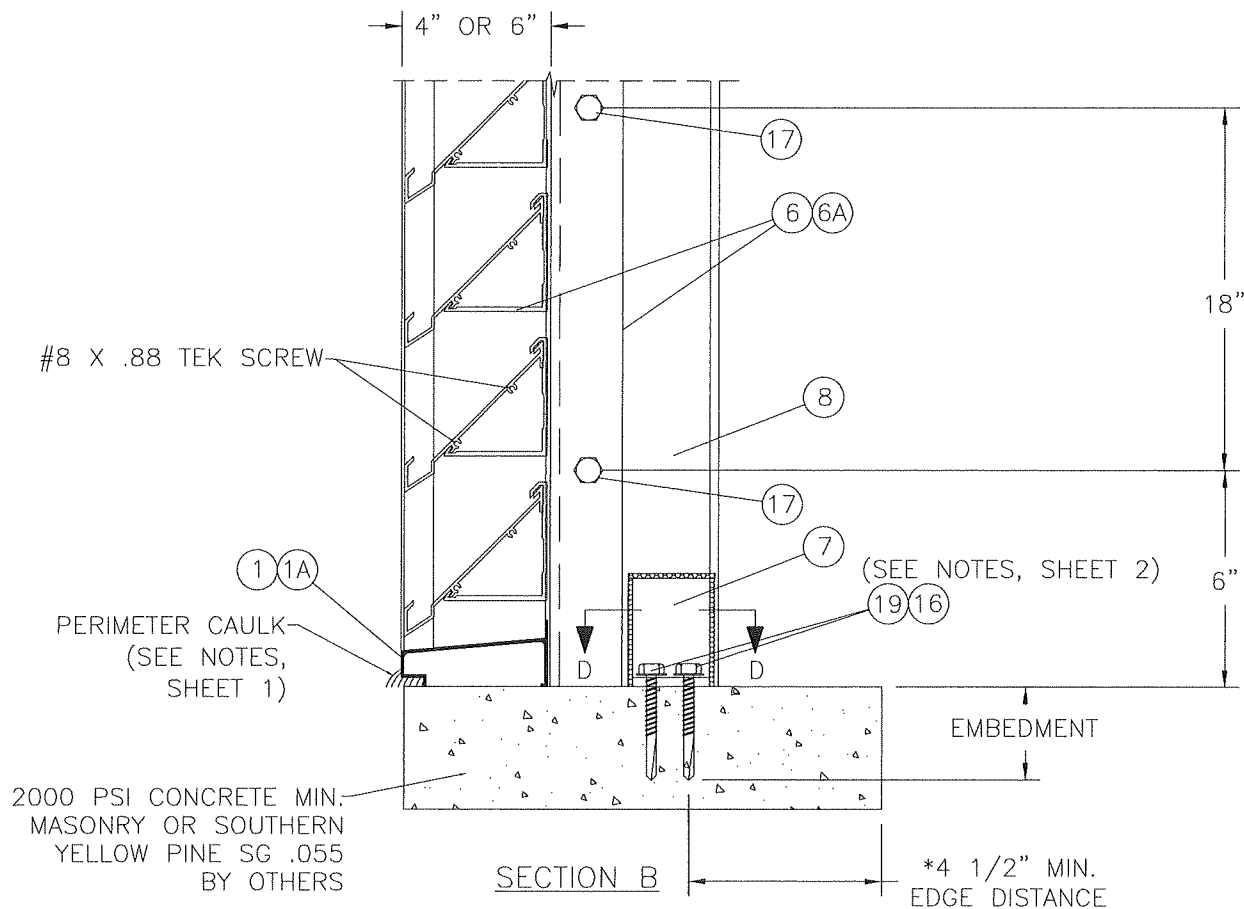


Luis R. Lomas P.E.  
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/02/2024	R.L.



\* MINIMUM EDGE DISTANCE FOR 3/8" LAG SCREW IS 2 INCHES.

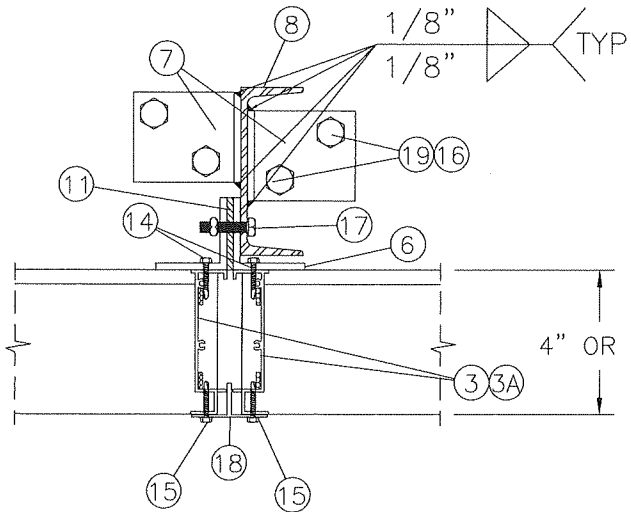


SIGNED: 10/02/2024

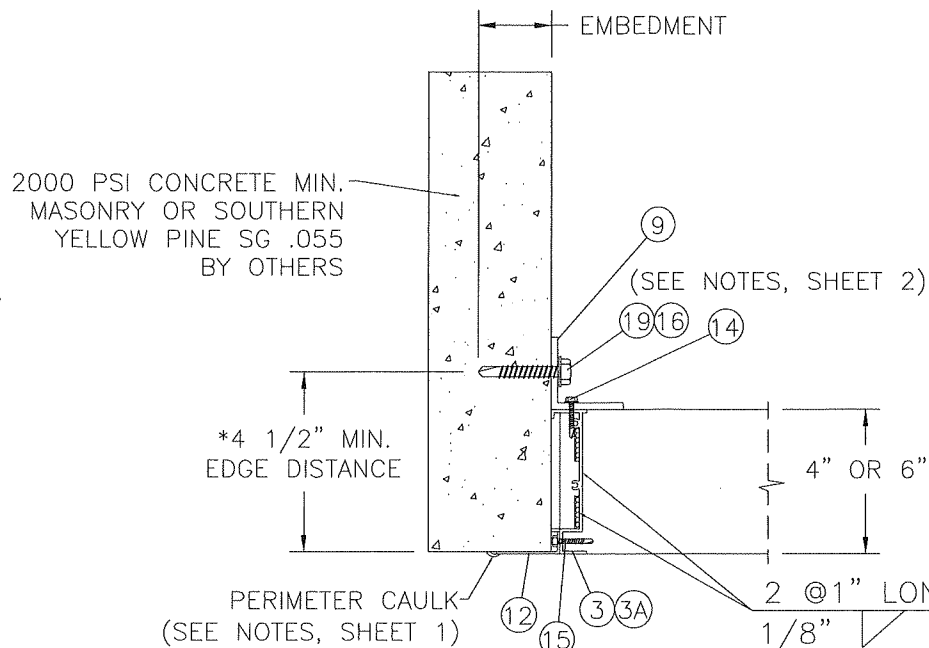
<b>PRODUCT REVISED</b> as complying with the Florida Building Code NOA-No. 25-0311.11 Expiration Date 05/24/2027 By <i>[Signature]</i> Miami-Dade Product Control	<b>AIR FLOW COMPANY, INC</b> 850 W FULLERTON AVE ADDISON, IL 60101			
	ALUMINUM STATIONARY LOUVERS LARGE MISSILE IMPACT INSTALLATION DETAILS MASONRY			
	DRAWN: R.L.	DWG NO. 08-01674	REV C	
	SCALE NTS	DATE 07/16/12	SHEET 3 OF 6	
	L. ROBERTO LOMAS P.E. 208 7th AVENUE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			

Luis R. Lomas P.E.  
FL No.: 62514

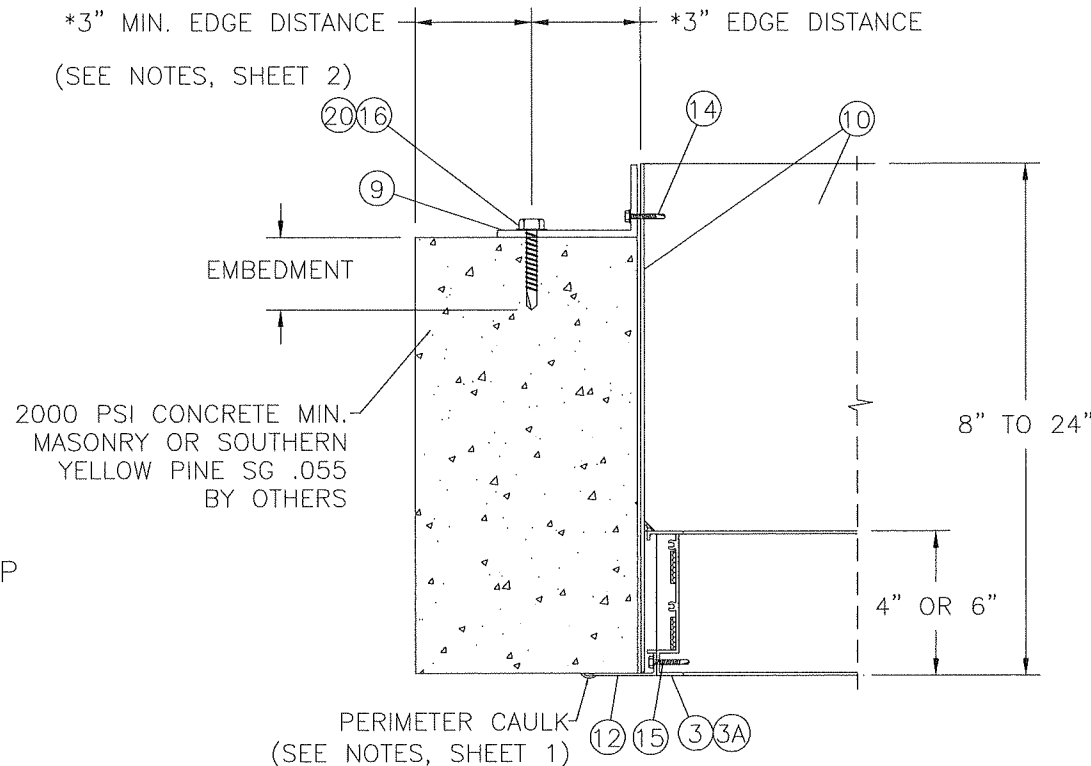
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/02/2024	R.L.



SECTION E

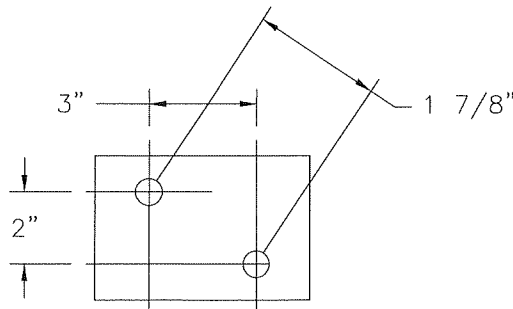


SECTION F

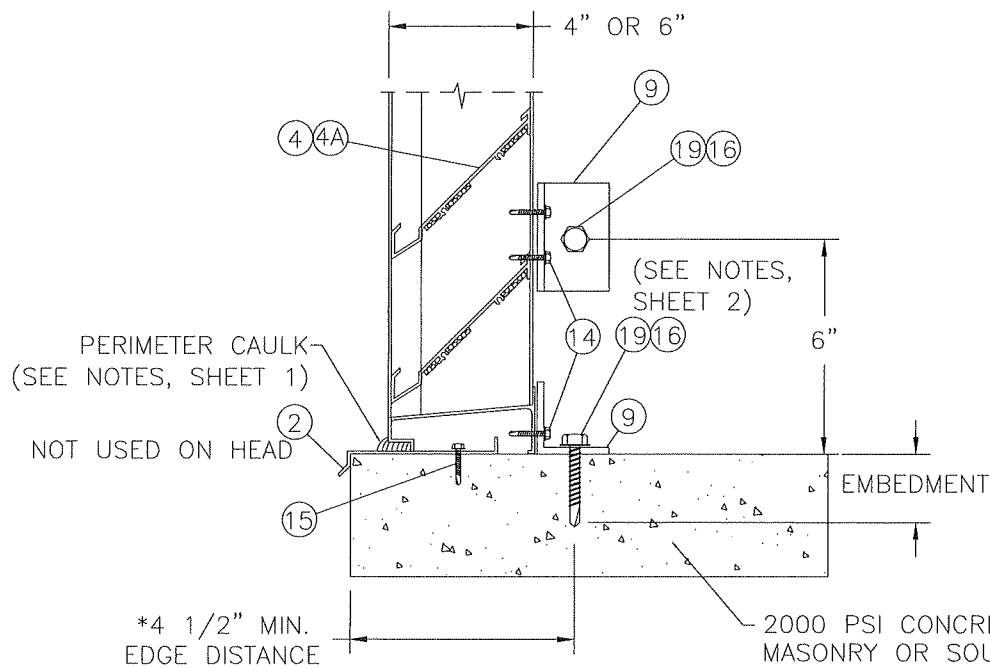


SECTION G

\* MINIMUM EDGE DISTANCE FOR 3/8" LAG SCREW IS 2 INCHES.



MULLION V. SUPPORT CLIP  
3" X 3" X 3/16" X 2"



SECTION H

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 25-0311.11  
Expiration Date 05/24/2027  
By *[Signature]*  
Miami-Dade Product Control

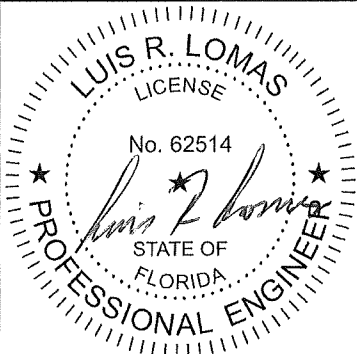
AIR FLOW COMPANY, INC  
850 W FULLERTON AVE  
ADDISON, IL 60101

ALUMINUM STATIONARY LOUVERS  
LARGE MISSILE IMPACT  
INSTALLATION DETAILS MASONRY

DRAWN: R.L.	DWG NO. 08-01674	REV C
SCALE NTS	DATE 07/16/12	SHEET 4 OF 6

L. ROBERTO LOMAS P.E.  
208 7th AVENUE, INDIALANTIC, FL 32903  
434-688-0609 rllomas@lrlomaspe.com

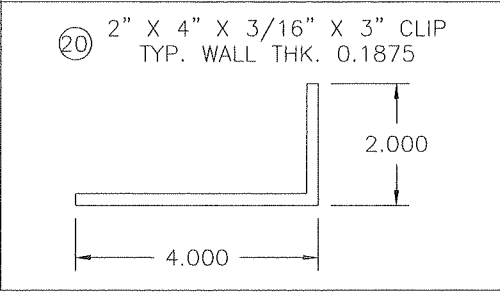
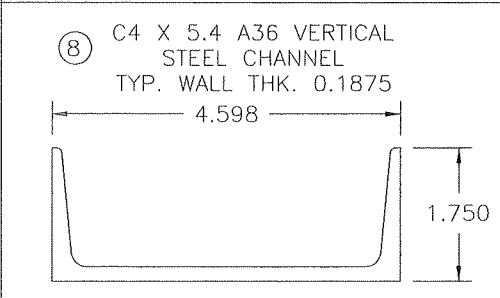
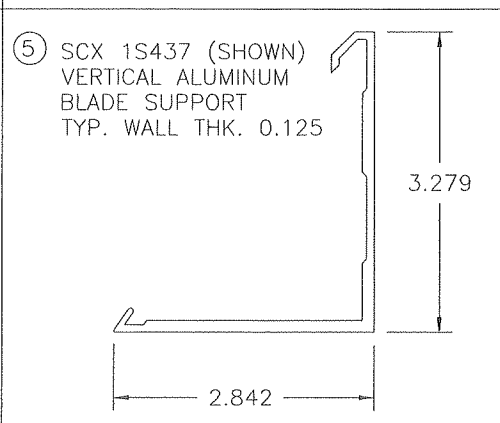
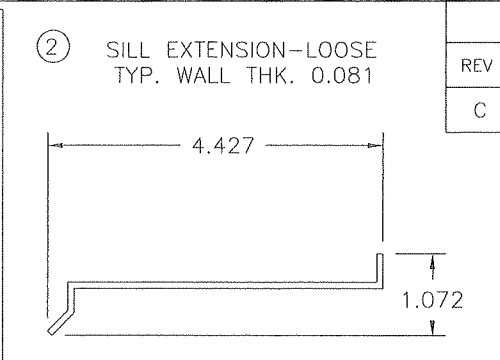
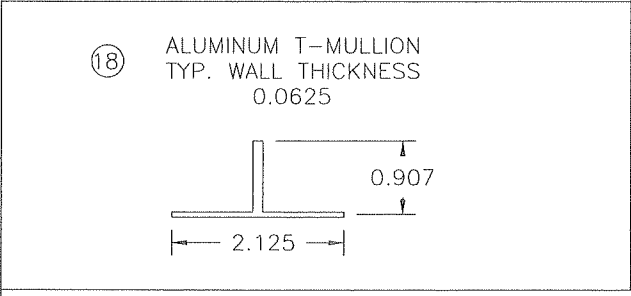
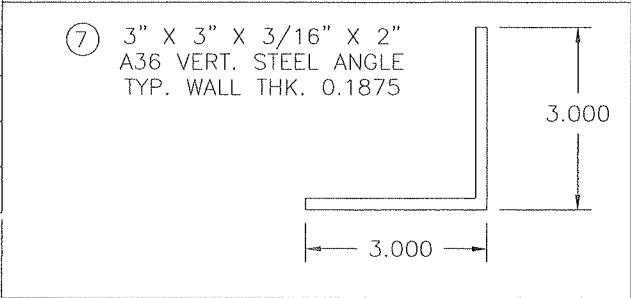
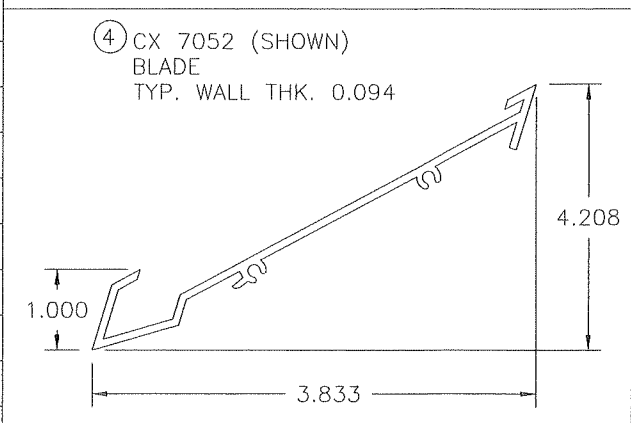
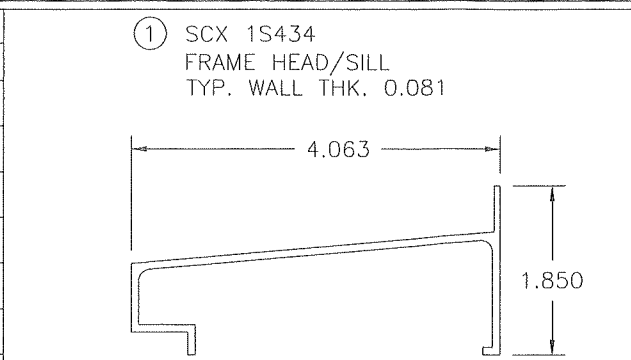
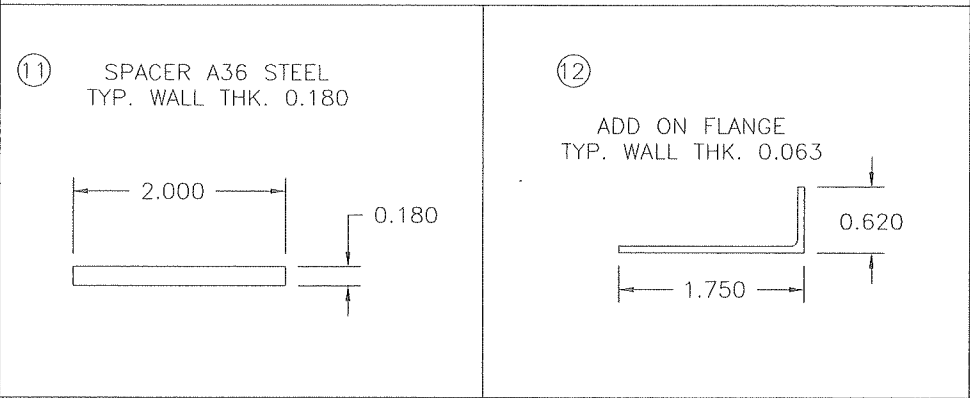
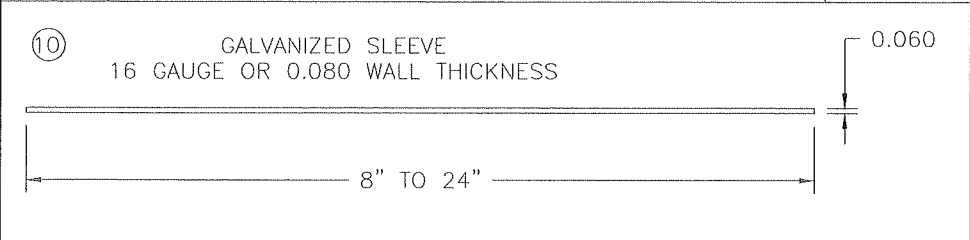
SIGNED: 10/02/2024



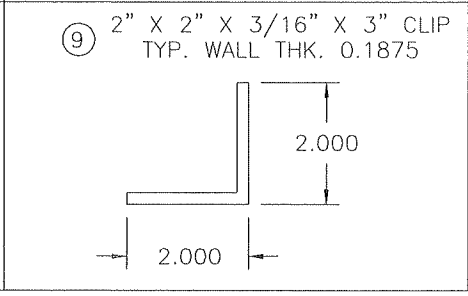
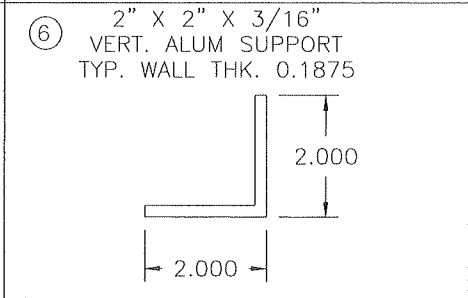
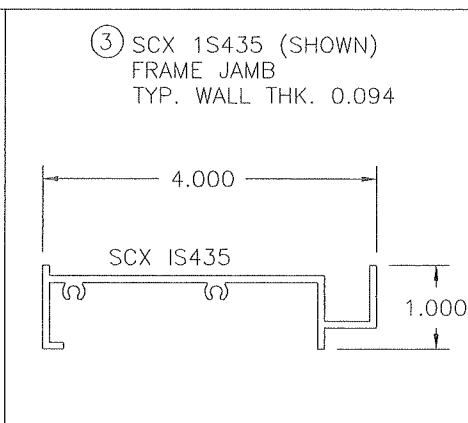
Luis R. Lomas P.E.  
FL No.: 62514




BILL OF MATERIAL		
ITEM #	DESCRIPTION	MATERIAL
1/1A	FRAME HEAD/SILL	6063-T5
2	SILL EXTENSION - LOOSE	6063-T5
3/3A	FRAME JAMB	6063-T5
4/4A	BLADE	6063-T5
5/5A	BLADE SUPPORT	6063-T5
6	2" X 2" 3/16" VERTICAL ALUMINUM SUPPORT	6063-T5
7	3" X 3" 3/16" X 2" A36 STEEL ANGLE	A36
8	C4 X 5.4 A36 VERTICAL STEEL CHANNEL	A36
9	2" X 2" 3/16" 3" CLIP	6063-T5
10	GALVANIZED SLEEVE	A36
11	SPACER	A36
12	ADD ON FLANGE	6063-T5
13	1/2" DIA. X 3" LAG BOLT (1) PER CLIP	
14	#12-14 X 1 1/2" SELF TAPPING SCREW (2 ) PER CLIP	
15	#10 X 1" SELF TAPPING SCREW @ 12" O.C.	
16	3/8" DIA. LAG BOLT W/3" MIN. EMBEDMENT	
17	3/8" DIA. X 2" BOLT & NUT 18" O.C.	
18	ALUMINUM T-MULLION, DECORATIVE ONLY	6063-T5
19	3/8" DIA. X 3" POWER BOLT	
20	2" X4" X 3/16" X 3" CLIP	6063-T5



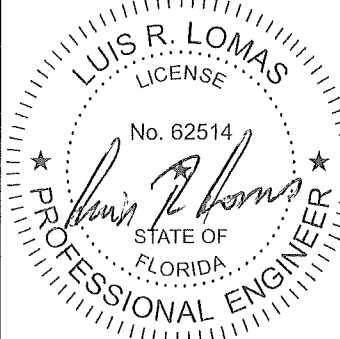
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/02/2024	R.L.



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 25-0311.11  
Expiration Date 05/24/2027  
By   
Miami-Dade Product Control

AIR FLOW COMPANY, INC 850 W FULLERTON AVE ADDISON, IL 60101		
ALUMINUM STATIONARY LOUVERS LARGE MISSILE IMPACT BOM AND COMPONENTS		
DRAWN: R.L.	DWG NO. 08-01674	REV C
SCALE NTS	DATE 07/16/12	SHEET 5 OF 6
L. ROBERTO LOMAS P.E. 208 7th AVENUE, INDIALANTIC, FL 32903 434-688-0609 rllomas@rlomaspe.com		

SIGNED: 10/02/2024

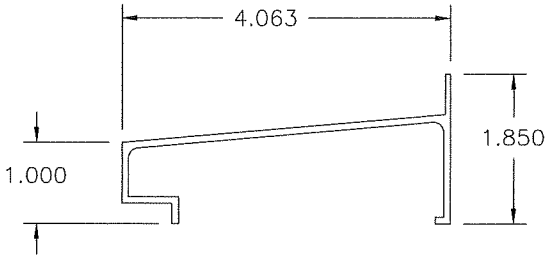


Luis R. Lomas P.E.  
FL No.: 62514

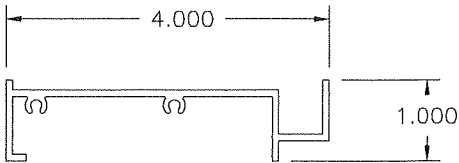


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED PER NEW CODE	10/02/2024	R.L.

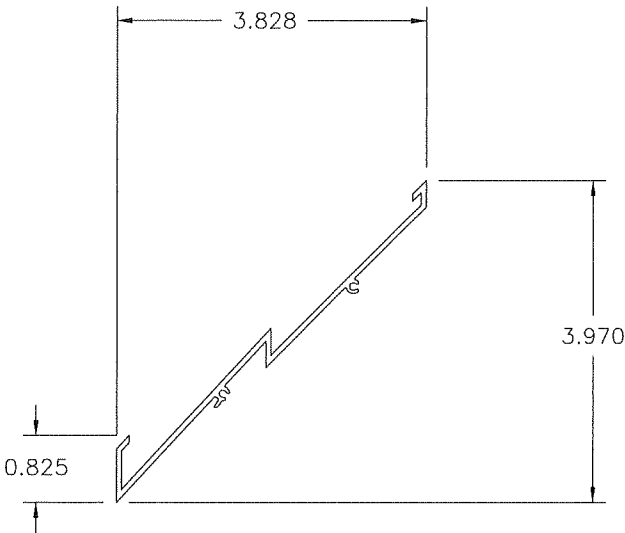
①A SCX 1S432 (NOT SHOWN)  
 FRAME HEAD/SILL  
 TYP. WALL THK. 0.081



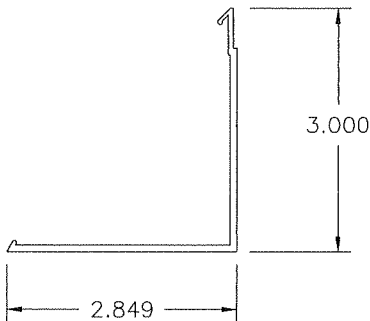
③A CX 6609 (NOT SHOWN)  
 FRAME JAMB  
 TYP. WALL THK. 0.094



④A CX 6610 (NOT SHOWN)  
 BLADE  
 TYP. WALL THK. 0.094



⑤A CX7450 (NOT SHOWN)  
 VERTICAL ALUMINUM  
 BLADE SUPPORT  
 TYP. WALL THK. 0.125



SIGNED: 10/02/2024

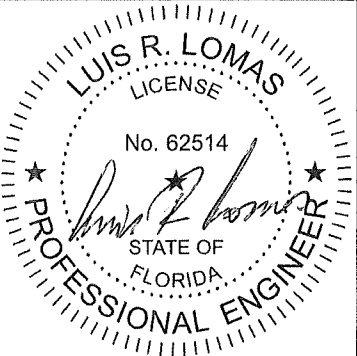
**PRODUCT REVISED**  
**as complying with the Florida**  
**Building Code**  
**NOA-No.** 25-0311.11  
**Expiration Date** 05/24/2027  
**By** *R.L.*  
**Miami-Dade Product Control**

AIR FLOW COMPANY, INC  
 850 W FULLERTON AVE  
 ADDISON, IL 60101

ALUMINUM STATIONARY LOUVERS  
 LARGE MISSILE IMPACT  
 COMPONENTS

DRAWN: R.L.	DWG NO. 08-01674	REV C
SCALE NTS	DATE 07/16/12	SHEET 6 OF 6

L. ROBERTO LOMAS P.E.  
 208 7th AVENUE, INDIALANTIC, FL 32903  
 434-688-0609 rllomas@lrlomaspe.com



Luis R. Lomas P.E.  
 FL No.: 62514