



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 Louver – L.M.I.**

**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 B dated 10/11/2021, prepared by L. Roberto Lomas, P.E., signed and sealed by Luis R. Lomas, 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:** 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 **renews NOA # 21-1117.02** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

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



**NOA No. 22-0328.04**  
**Expiration Date: May 24, 2027**  
**Approval Date: April 21, 2022**  
**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. 05-1110.01)*
2. 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.  
*(Submitted under NOA No. 18-0226.05)*

**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 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.  
*(Submitted under NOA No. 18-0226.05)*
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**

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.  
*(Submitted under NOA No. 05-1110.01)*

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. None.



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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 22-0328.04**  
**Expiration Date: May 24, 2027**  
**Approval Date: April 21, 2022**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

**F. STATEMENTS**

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.  
*(Submitted under NOA No. 18-0226.05)*

**G. OTHERS**

1. Notice of Acceptance No. **12-0320.27**, issued to Air Flow Company, Inc. for their Aluminum Stationary Louver, approved on 10/04/2012 and expiring on 05/24/2017.

**2. NEW EVIDENCE SUBMITTED**

**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 B dated 10/11/2021, 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 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.

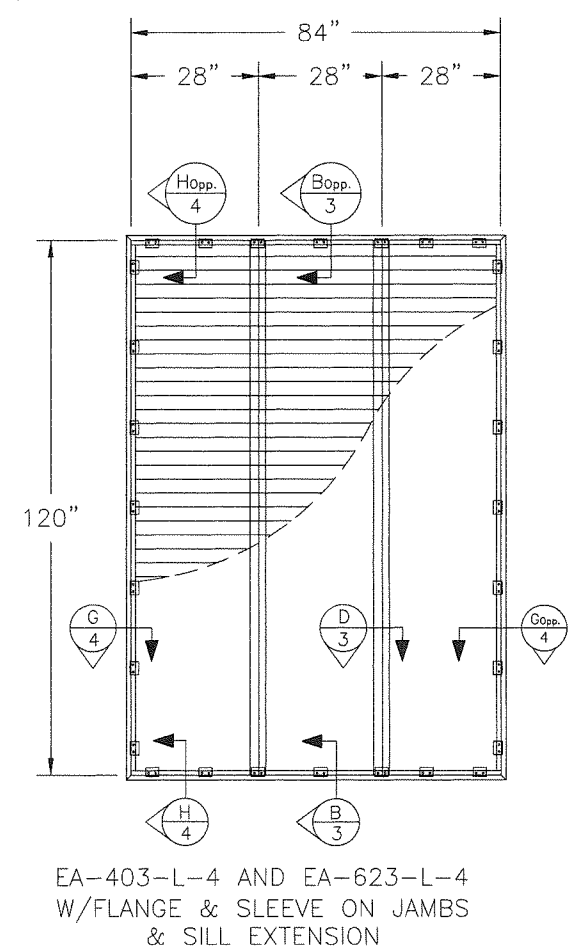
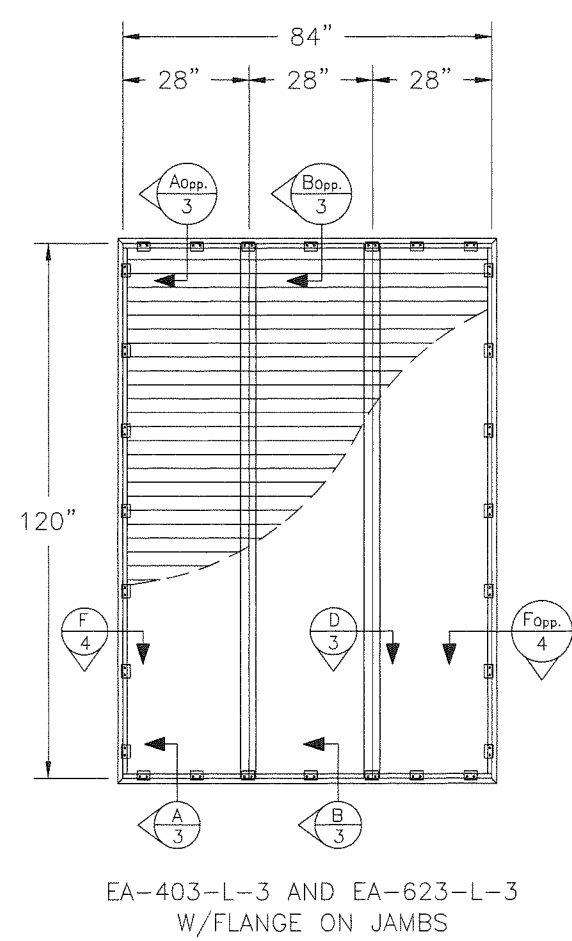
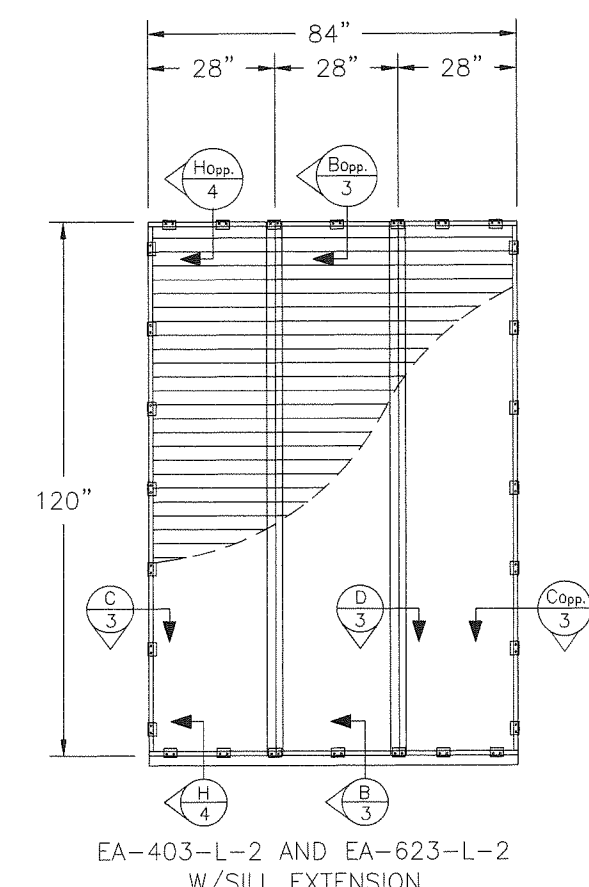
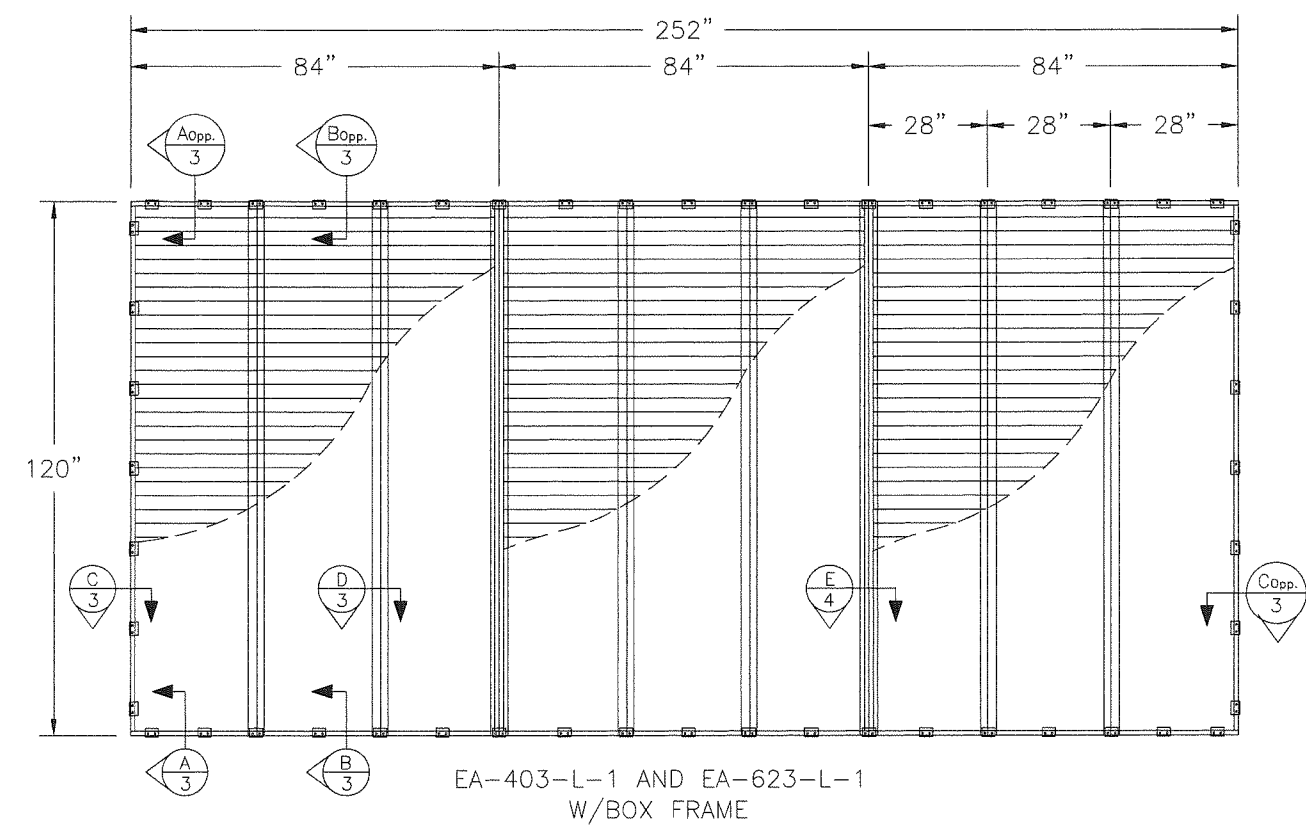
**F. STATEMENTS**

1. Statement letter of code conformance to the **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. 22-0328.04**  
**Expiration Date: May 24, 2027**  
**Approval Date: April 21, 2022**



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW REQUIREMENTS	10/11/2021	R.L.

- GENERAL NOTES:**
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH EDITION (2020), 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.

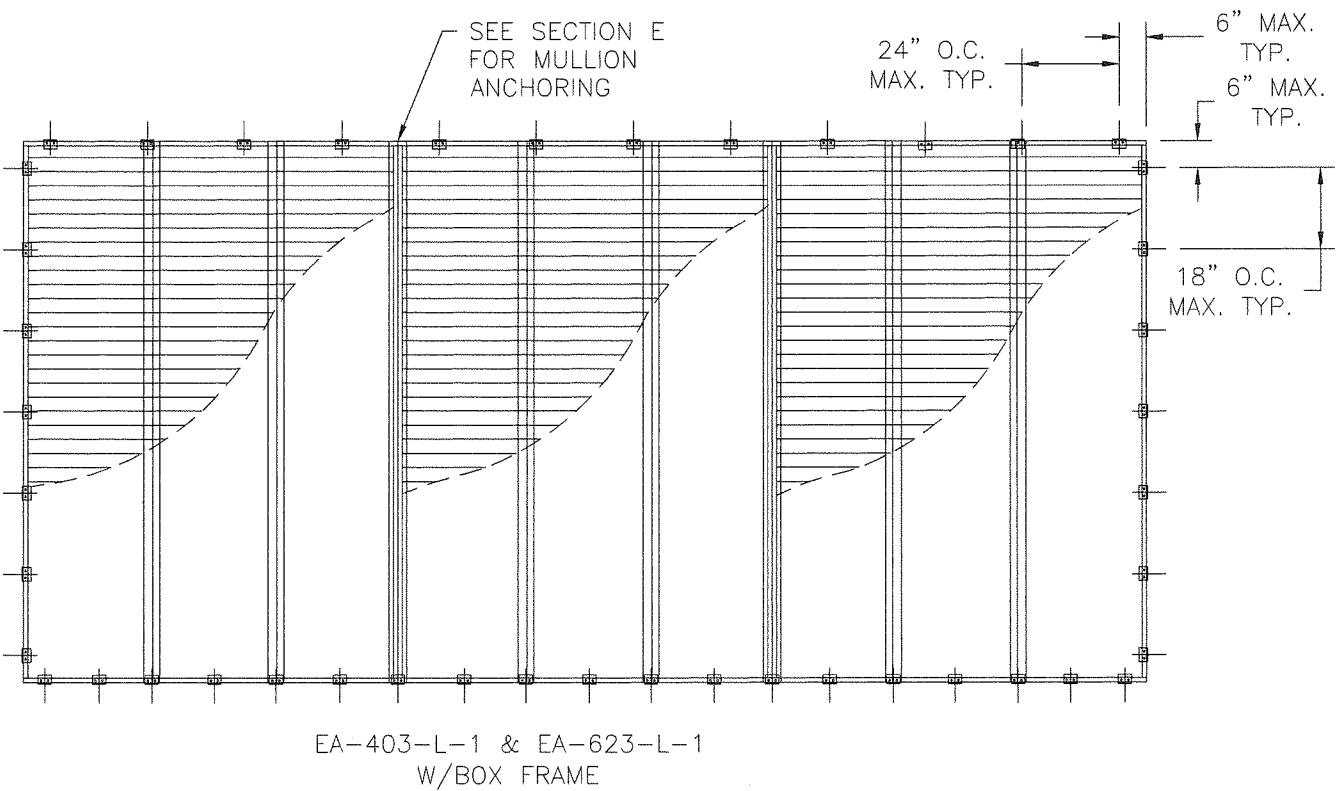
**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
NOA-No. 22-0328.04  
Expiration Date 05/24/2027  
By *[Signature]*  
Miami-Dade Product Control

SIGNED: 10/11/2021

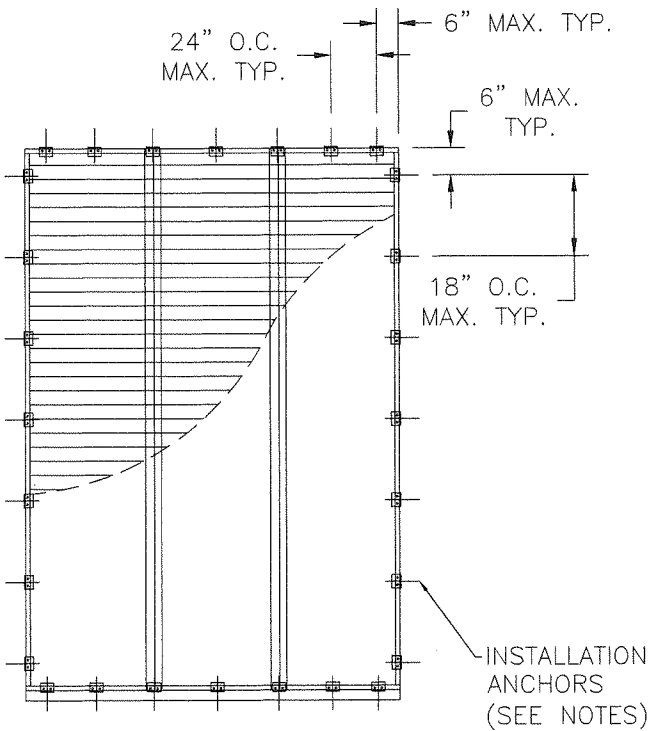
<b>PRODUCT REVISED</b> as complying with the Florida Building Code NOA-No. 21-1117.02 Expiration Date: 05/24/2022 By: <i>[Signature]</i> Miami-Dade Product Control	AIR FLOW COMPANY, INC 850 W FULLERTON AVE ADDISON, IL 60101			
	ALUMINUM STATIONARY LOUVERS LARGE MISSILE IMPACT ELEVATIONS AND GENERAL NOTES			
	DRAWN: R.L.	DWG NO. 08-01674	REV B	
	SCALE NTS	DATE 07/16/12	SHEET 1 OF 6	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com				Luis R. Lomas P.E. FL No.: 62514



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW REQUIREMENTS	10/11/2021	R.L.

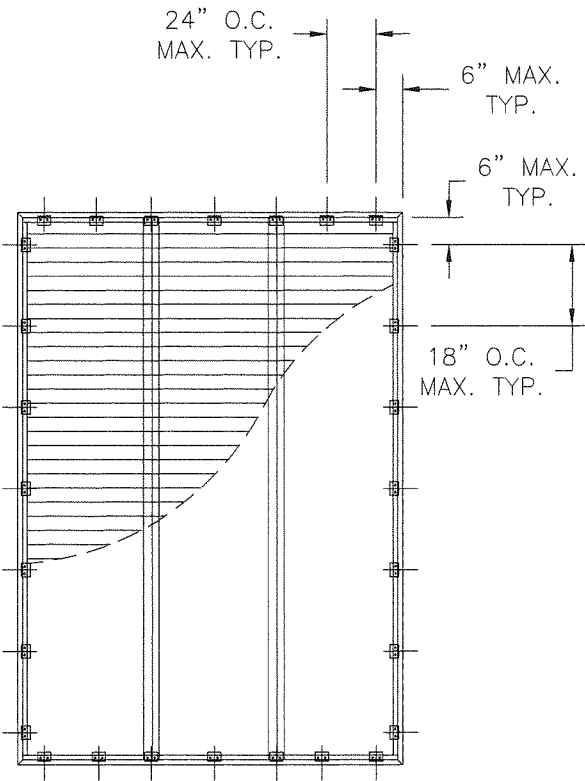


- ANCHORING NOTES:**
- 1) ONE (1) ANCHOR IS REQUIRED AT EACH LOCATION SHOWN. SHIM AS REQUIRED AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE SPACE GREATER THAN 1/16" IS PRESENT.
  - 2) FOR 2000 PSI MINIMUM CONCRETE SUBSTRATES USE 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.

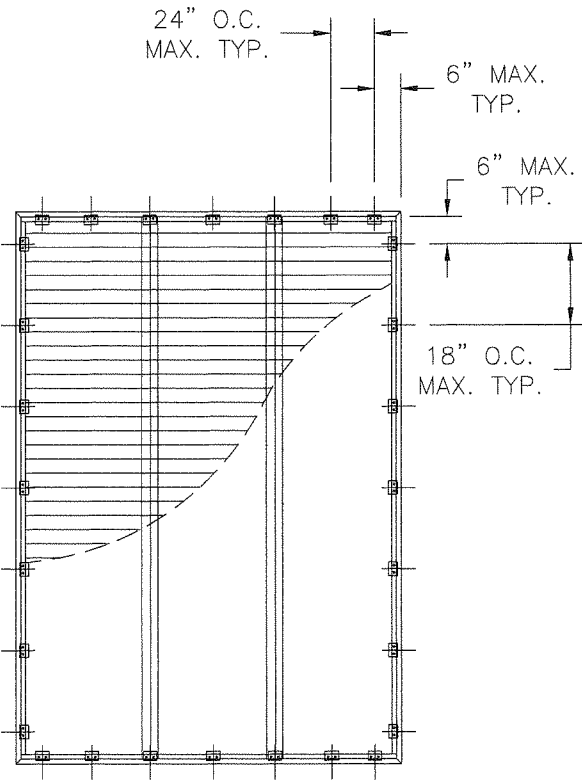


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Expiration Date 05/24/2027  
By *[Signature]*  
Miami-Dade Product Control

SIGNED: 10/11/2021



EA-403-L-3 & EA-623-L-3  
W/FLANGE ON JAMBS



EA-403-L-4 & EA-623-L-4  
W/FLANGE & SLEEVE ON JAMBS  
& SILL EXTENSION

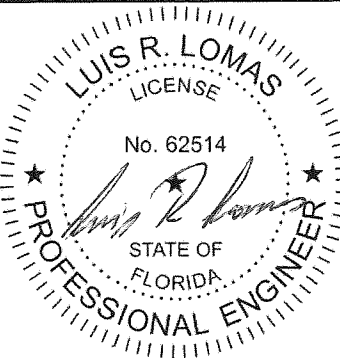
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NOA-No. 21-1117.02  
Expiration Date: 05/24/2022  
By: *[Signature]*  
Miami-Dade Product Control

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 B
SCALE NTS	DATE 07/16/12	SHEET 2 OF 6

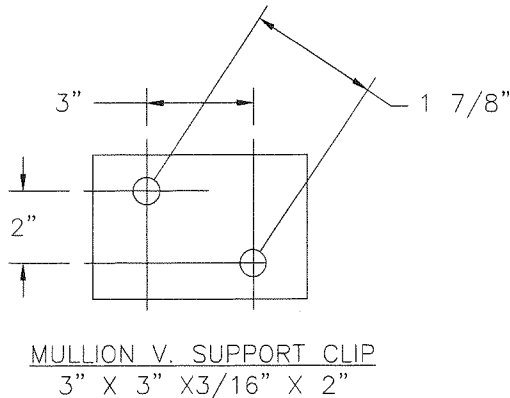
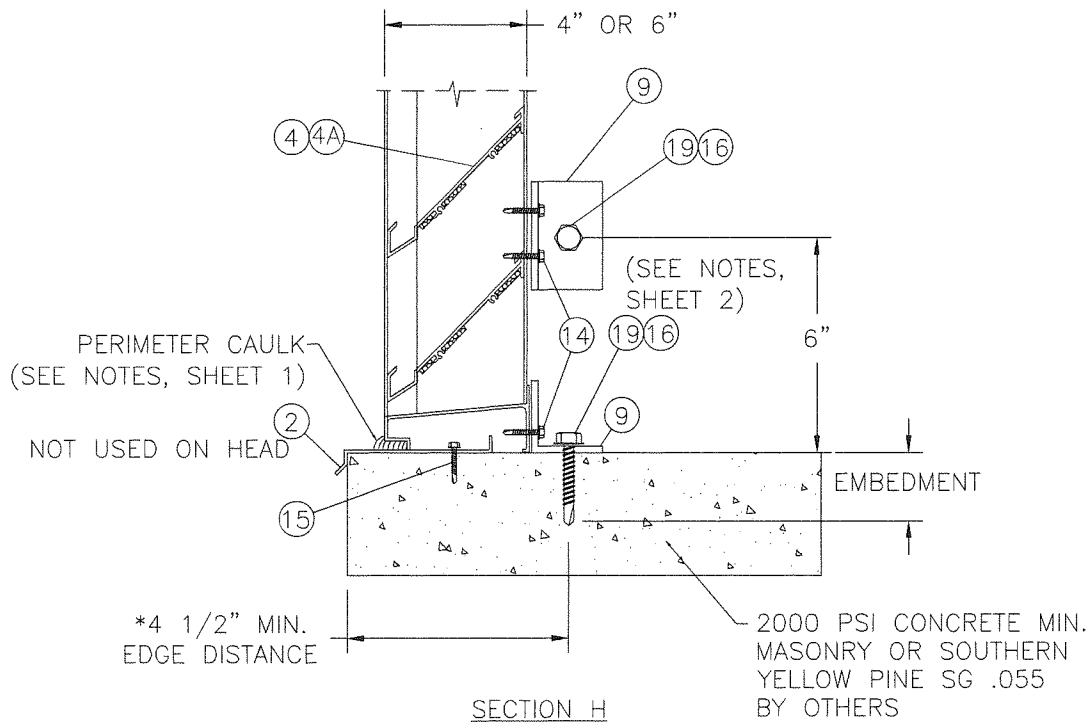
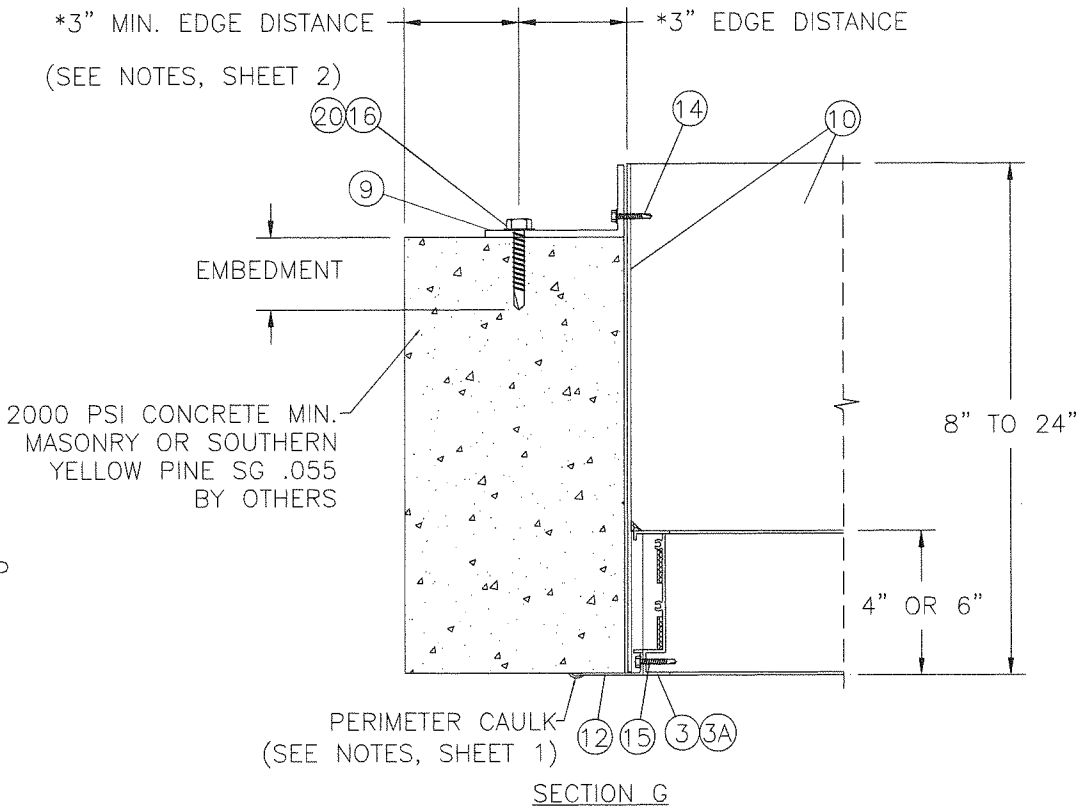
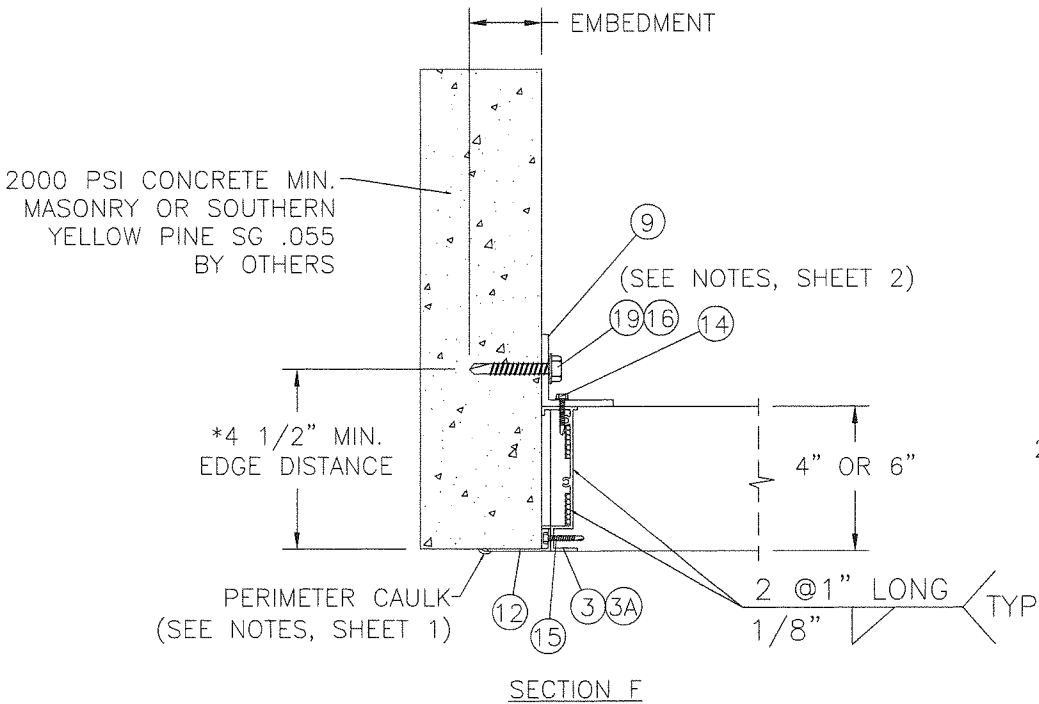
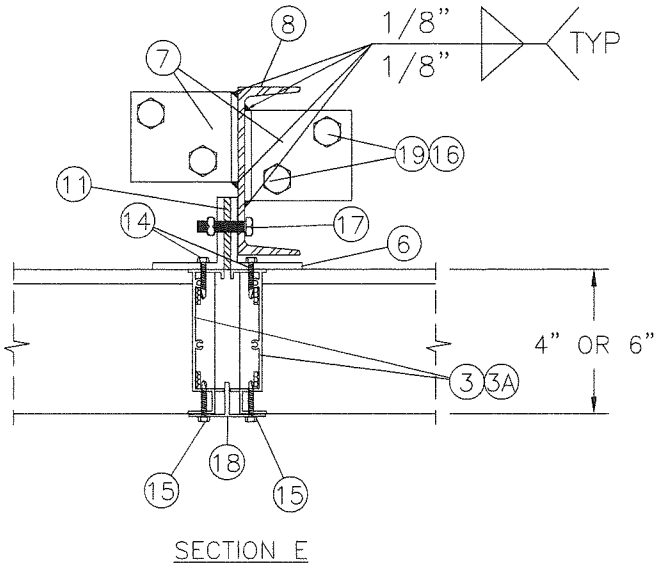
L. ROBERTO LOMAS P.E.  
1432 WOODFORD RD LEWISVILLE, NC 27023  
434-688-0609 rllomas@lrlomaspe.com



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



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED PER NEW REQUIREMENTS	10/11/2021	R.L.



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By *[Signature]*  
Miami-Dade Product Control

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

SIGNED: 10/11/2021

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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 B

SCALE NTS

DATE 07/16/12

SHEET 4 OF 6

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS

LICENSE

No. 62514

STATE OF FLORIDA

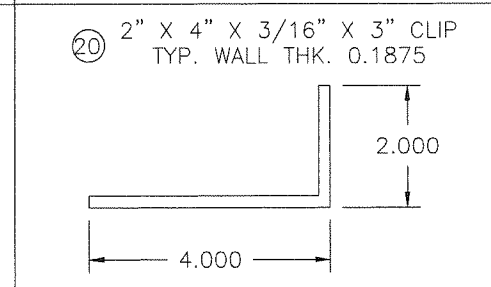
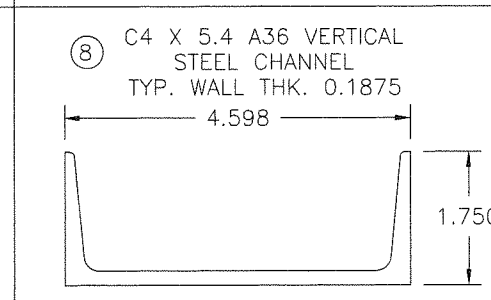
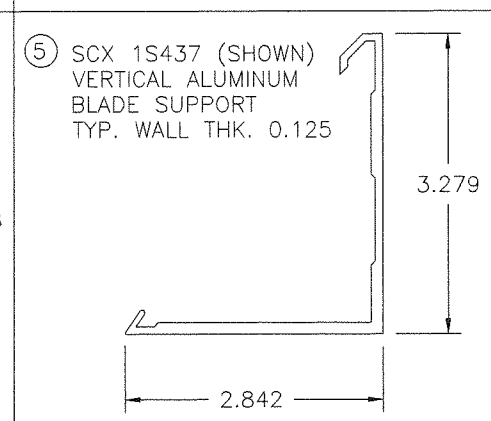
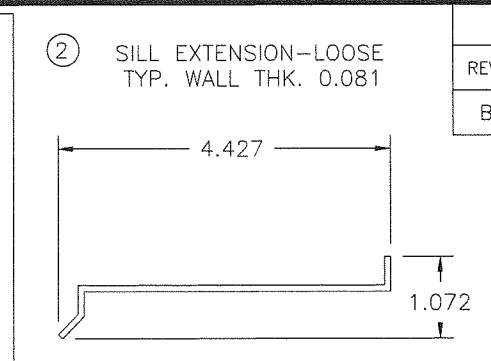
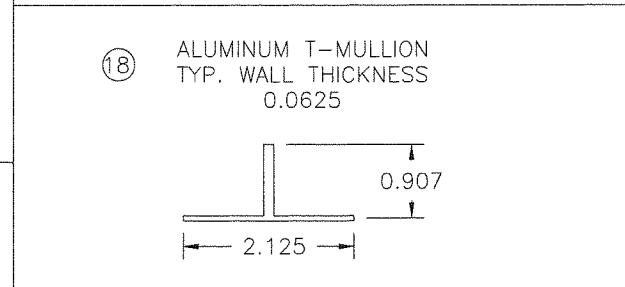
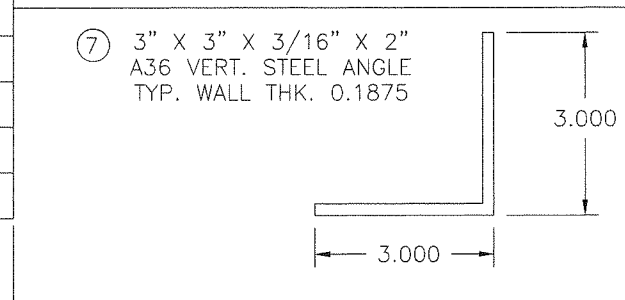
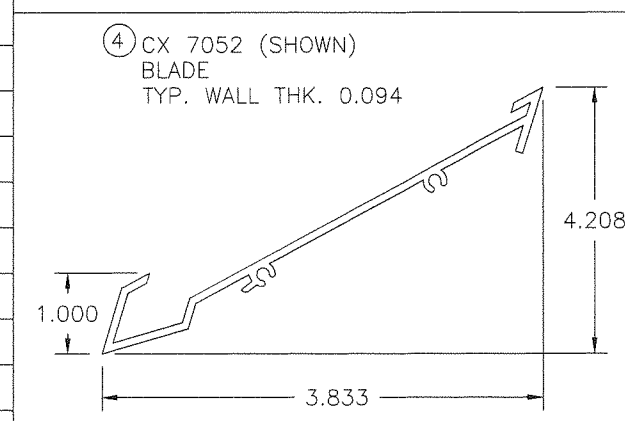
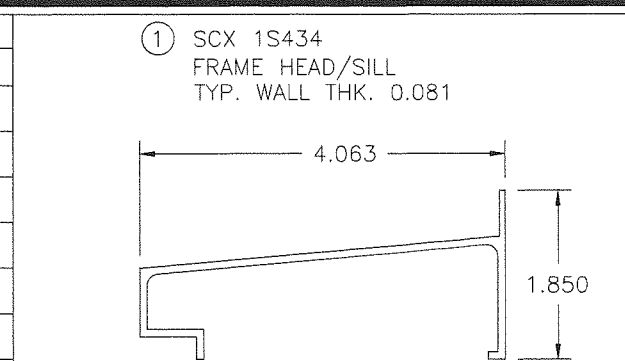
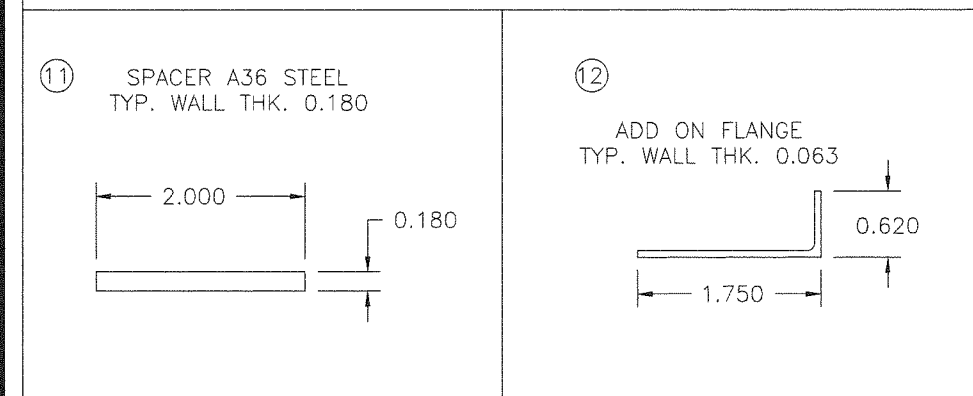
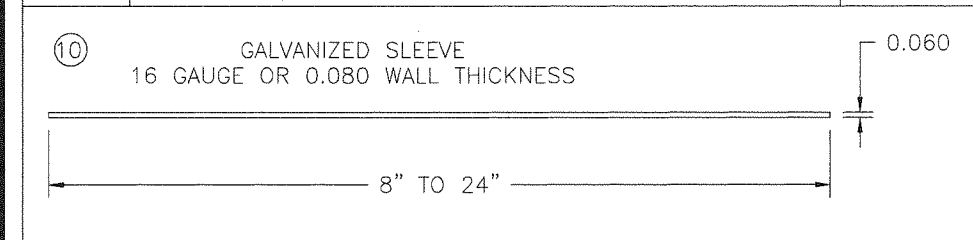
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

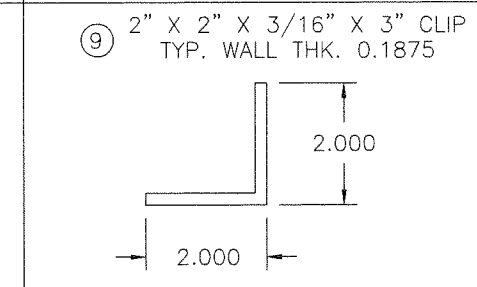
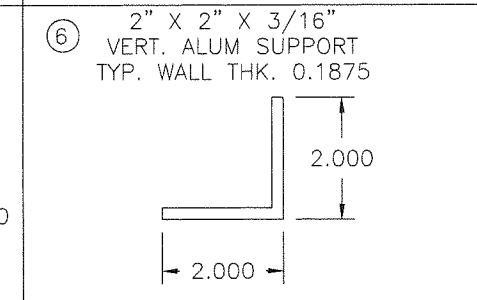
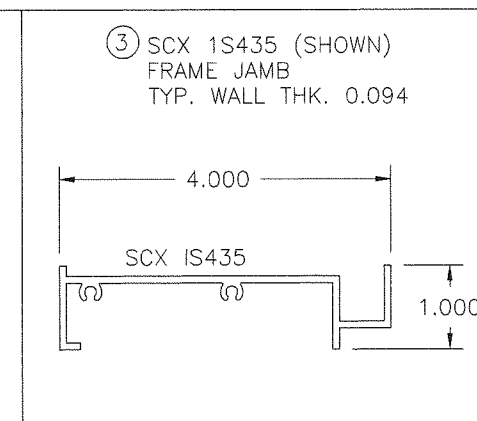
FL No.: 62514



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
B	REVISED PER NEW REQUIREMENTS	10/11/2021	R.L.



**PRODUCT RENEWED**  
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NOA-No. 22-0328.04  
Expiration Date 05/24/2027  
By *R. Lomas*  
Miami-Dade Product Control

**PRODUCT REVISED**  
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By: *Manuel Perez*  
Miami-Dade Product Control

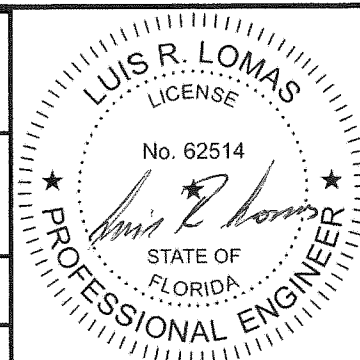
AIR FLOW COMPANY, INC  
850 W FULLERTON AVE  
ADDISON, IL 60101

ALUMINUM STATIONARY LOUVERS  
LARGE MISSILE IMPACT  
BOM AND COMPONENTS

DRAWN: R.L.	DWG NO. 08-01674	REV B
SCALE NTS	DATE 07/16/12	SHEET 5 OF 6

L. ROBERTO LOMAS P.E.  
1432 WOODFORD RD LEWISVILLE, NC 27023  
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/11/2021

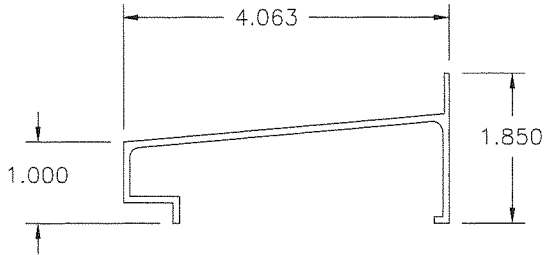


Luis R. Lomas P.E.  
FL No.: 62514

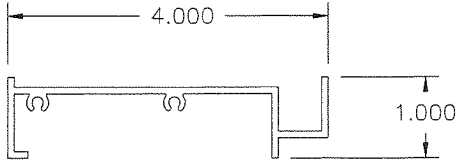


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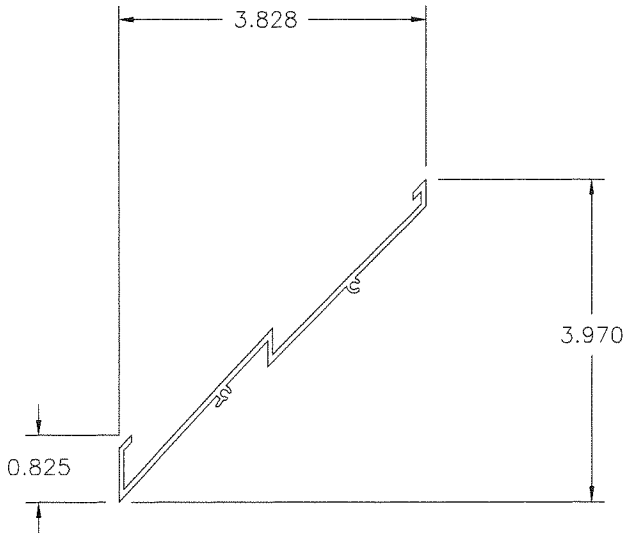
①A SCX 1S432 (NOT SHOWN)  
FRAME HEAD/SILL  
TYP. WALL THK. 0.081



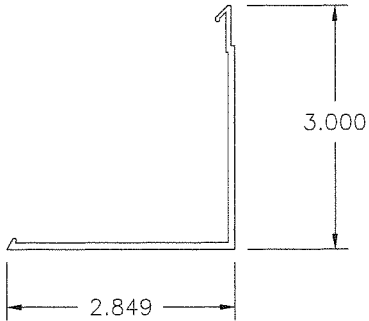
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TYP. WALL THK. 0.094



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



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



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Expiration Date: 05/24/2022  
By: *Manuel Perez*  
Miami-Dade Product Control

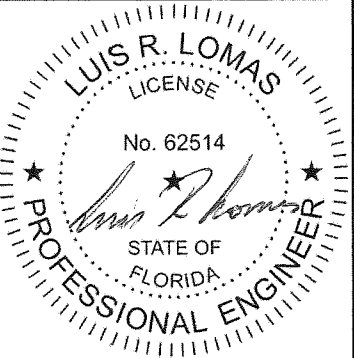
AIR FLOW COMPANY, INC  
850 W FULLERTON AVE  
ADDISON, IL 60101

ALUMINUM STATIONARY LOUVERS  
LARGE MISSILE IMPACT  
COMPONENTS

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

L. ROBERTO LOMAS P.E.  
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434-688-0609 rllomas@lrlomaspe.com

SIGNED: 10/11/2021



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