

# MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

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www.miamidade.gov/economy

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

## **NOTICE OF ACCEPTANCE (NOA)**

Aire Technologies, Inc. 1502 Industrial Drive Monongahela, PA 15063

#### 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 DC-436 4" Deep Aluminum Louver

**APPROVAL DOCUMENT:** Drawing No. **08-00181 Rev E**, titled "DC-436 Aluminum Fixed Louver Panel", sheets 1 through 8 of 8, dated 07/02/2007 and last revised on 04/04/2024, prepared by the manufacturer, 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:** A permanent label with the manufacturer's name or logo, manufacturing plant's city and state, model/series, and the statement reading "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 revises & renews NOA #21-0510.11 and consists of this page 1 and evidence pages E-1, E-2, E-3 and E-4, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 24-0117.01 Expiration Date: February 7, 2029 Approval Date: April 18, 2024

Page 1

Ishaq 1. Chank

## **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

## 1. Evidence submitted under previous NOA's

### A. DRAWINGS "Submitted under NOA # 12-0208.07"

1. Drawing No. **FL 00181**, titled "DC-436 Aluminum Fixed Louver Panel", Sheets 1 through 7 of 7, dated 07/02/2007, with revision B dated 01/24/2012, prepared by the manufacturer, signed and sealed by Luis R. Lomas, P.E.

## B. TESTS "Submitted under NOA # 07-1105.04"

- Test report on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   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 Fixed Louver Panels, prepared by National Certified Testing Laboratories, Test Report No. **210-3368-2**, dated 01/22/2007, signed and sealed by Gerard J. Ferrara, P.E.

### C. CALCULATIONS "Submitted under NOA # 07-1105.04"

1. Anchors calculations, dated 10/15/2007 and 12/17/2007, issued, 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 # 12-0208.07"

1. Statement letter of code conformance to 2010 FBC and no financial interest, dated 01/24/2012, issued, signed and sealed by Luis R. Lomas, P.E.

Ishaq I. Chank

Ishaq I. Chanda, P.E. Product Control Unit Supervisor NOA No. 24-0117.01 Expiration Date: February 7, 2029

Approval Date: April 18, 2024

## **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

### 2. Evidence submitted under NOA # 18-0828.01

#### A. DRAWINGS

1. Drawing No. **08-00181**, titled "DC-436 Aluminum Fixed Louver Panel", sheets 1 through 8 of 8, dated 07/02/2007, with revision C dated 07/31/2018, prepared by the manufacturer, signed and sealed by Luis R. Lomas, P.E.

### **B. TESTS**

1. None.

## C. CALCULATIONS

1. Anchors calculations, dated 07/31/2018, issued, 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 6<sup>th</sup> edition (2017) FBC and of no financial interest, dated 07/31/2018, issued, signed and sealed by Luis R. Lomas, P.E.
- **2.** Bill of sales dated 07/13/2018.

Ishaq I. Chank

Approval Date: April 18, 2024

## **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

## 3. Evidence submitted under previous approval

#### A. DRAWINGS

1. Drawing No. **08-00181 Rev D**, titled "DC-436 Aluminum Fixed Louver Panel", sheets 1 through 8 of 8, dated 07/02/2007 and last revised on 04/26/2021, prepared by the manufacturer, signed and sealed by Luis R. Lomas, P.E.

### **B. TESTS**

1. None.

### C. CALCULATIONS

1. Anchors verification calculations, dated 04/26/21, prepared, 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 FBC 7<sup>th</sup> edition (2020), dated 04/26/21, prepared, issued, signed and sealed by Luis R. Lomas, P.E.

## G. OTHER

1. This NOA revises NOA #20-0211.03, expiring 02/07/2024.

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 24-0117.01
Expiration Date: February 7, 2029
Approval Date: April 18, 2024

## Aire Technologies, Inc.

## **NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

### 4. New Evidence submitted

### A. DRAWINGS

1. Drawing No. **08-00181 Rev E**, titled "DC-436 Aluminum Fixed Louver Panel", sheets 1 through 8 of 8, dated 07/02/2007 and last revised on 04/04/2024, prepared by the manufacturer, signed and sealed by Luis R. Lomas, 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 code conformance to FBC 8<sup>th</sup> edition (2023), dated 03/13/24, prepared, issued, signed and sealed by Luis R. Lomas, P.E.

## G. OTHER

1. This NOA revises & renews NOA #21-0510.11, expiring 02/07/2029.

Ishaq I. Chank

Ishaq I. Chanda, P.E. Product Control Unit Supervisor NOA No. 24-0117.01 Expiration Date: February 7, 2029

Approval Date: April 18, 2024

	REVISIONS					
REV	DESCRIPTION	DATE	APPROVED			
E	REVISED PER NEW CODE	03/13/2024	R.L.			

#### NOTES:

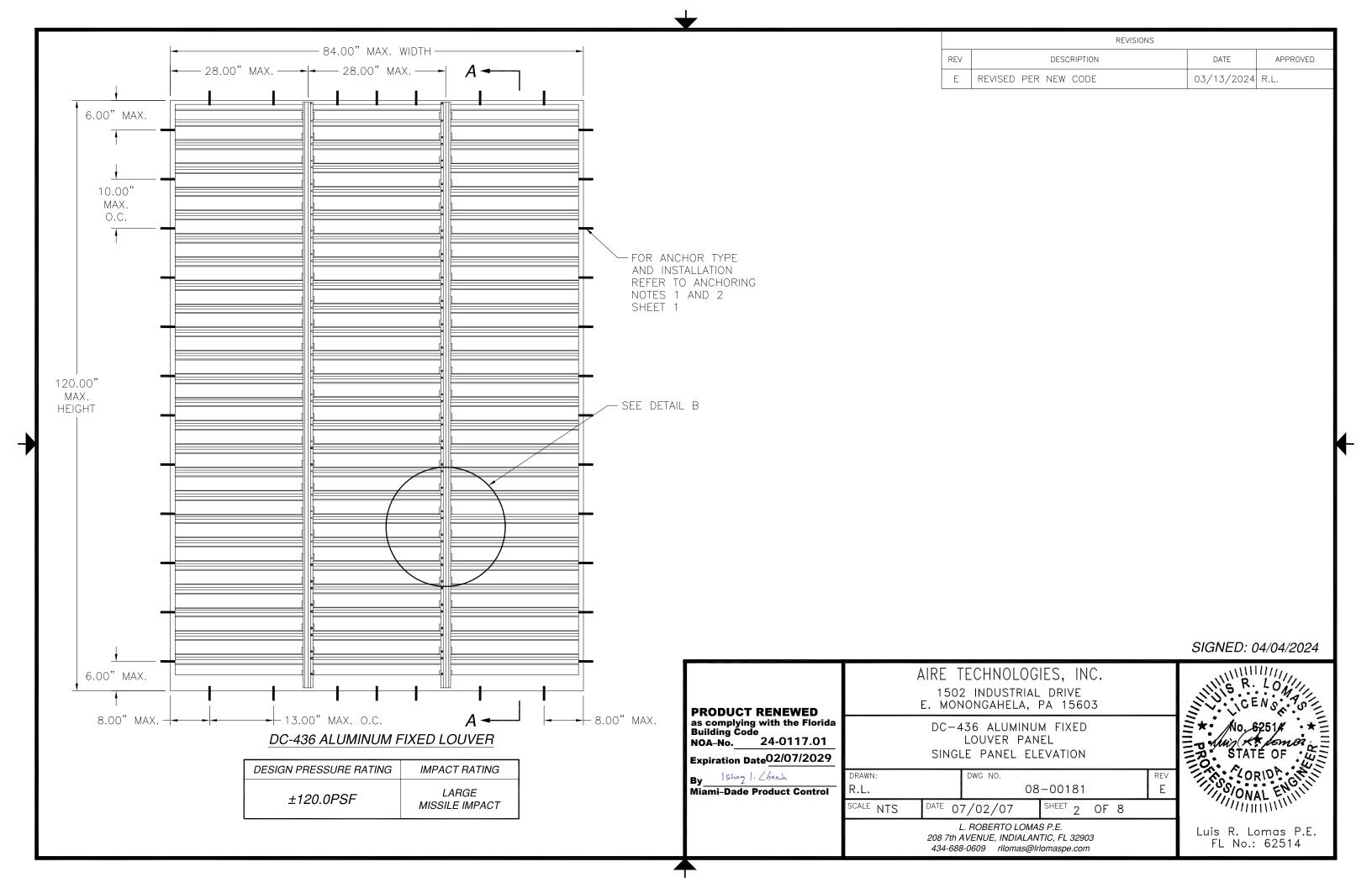
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023), INCLUDING THE HVHZ.
- 2. WOOD FRAMING. STEEL FRAMING AND CONCRETE OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. OPENING DESIGN IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF OPENING.
- 4. ALL EXTRUSIONS ARE 6063-T5 ALUMINUM ALLOY, UNLESS OTHERWISE NOTED.
- 5. ALL FASTENERS, NUTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF
- 6. CAULK THOROUGHLY ALL AROUND EXTERIOR PERIMETER OF LOUVERS WITH SAME COLOR AS LOUVERS, PROVIDE BACKER ROD BEFORE CAULKING.
- 7. LOUVERS ARE TO BE INSTALLED IN A LOCATION WHERE ROOM BEHIND LOUVERS IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOFING EQUIPMENT. COMPONENTS OR SUPPLIES.

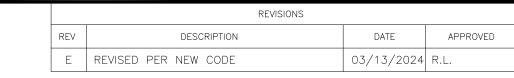
#### ANCHORING NOTES:

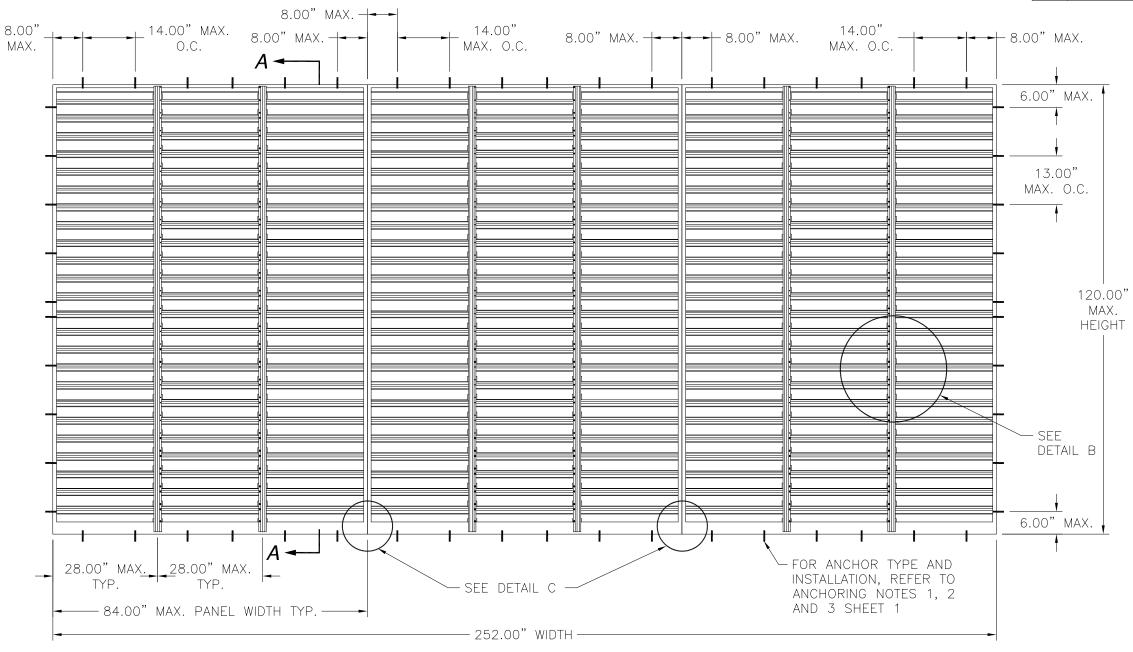
- 1. FOR CONCRETE INSTALLATION USE 3/8" HILTI KWIK BOLT 3 WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/2" MINIMUM EMBEDMENT WITH 3 3/4" MINIMUM EDGE DISTANCE. LOCATE ANCHORS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 2. FOR WOOD FRAMING AND METAL FRAMING WITH WOOD BACKER INSTALLATION USE 5/16" LAG BOLTS WITH SUFFICIENT LENGTH TO ACHIEVE A 2 1/2" MINIMUM EMBEDMENT. LOCATE BOLTS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 3. FOR STEEL DECKING INSTALLATION USE 1/4" TEK SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM PENETRATION OF 3 PITCHES OF THREAD BEYOND METAL STRUCTURE. LOCATE SCREWS PER ELEVATION LAYOUT AND INSTALLATION DETAILS.
- 4. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW.
- 5. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIAL WITH THE FOLLOWING PROPERTIES: A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.46 B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI. C. STEEL DECKING - 12 GAUGE MINIMUM WITH 36KSI MINIMUM YIELD
  - D. METAL FRAMING 20 GAUGE MINIMUM WITH WOOD BACKER.

SIGNED: 04/04/2024

		PRODUCT RENEWED		AIRE TECHNOLO 1502 INDUSTRI E. MONONGAHELA	AL DRIVE		CENSE TO
TABLE OF CONTENTS		as complying with the Florida Building Code NOA-No. 24-0117.01 Expiration Date 02/07/2029	LOUVER PANEL			* No. 62514 *  No. 62514 *  STATE OF	
SHEET NO.	DESCRIPTION	By Ishaq I. Chands	DRAWN:	DWG NO.		REV	ORIDA
1 NOTE	ES	Miami-Dade Product Control	R.L.		08-00181	E	MONAL ENTIL
2 - 3   ELEV	VATIONS		SCALE NTS	DATE 07/02/07	SHEET 1 OF 8		WHITHIN.
4 - 7 INST.	TALLATION DETAILS			L. ROBERTO LOI 208 7th AVENUE, INDIAL	···· · • · · · · · · · · · · · · · · ·		Luis R. Lomas P.E.
8 COM	MPONENTS			434-688-0609 rllomas	· ·		FL No.: 62514







## DC-436 MULTIPLE ALUMINUM FIXED LOUVER

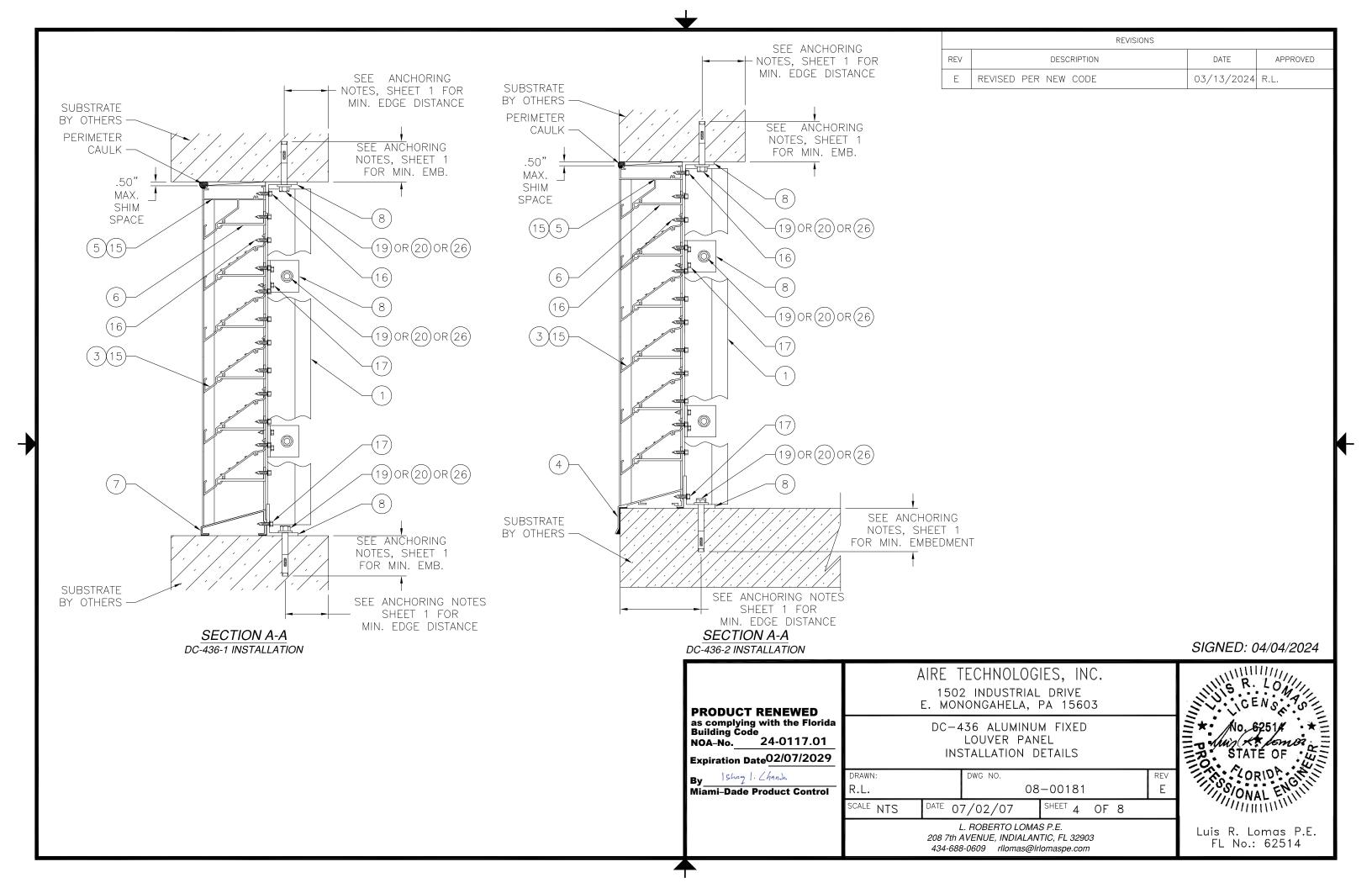
(3) THREE PANELS SHOWN, UNLIMITED NUMBER OF PANELS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL(S) DO NOT EXCEED PANEL SIZE SHOWN.

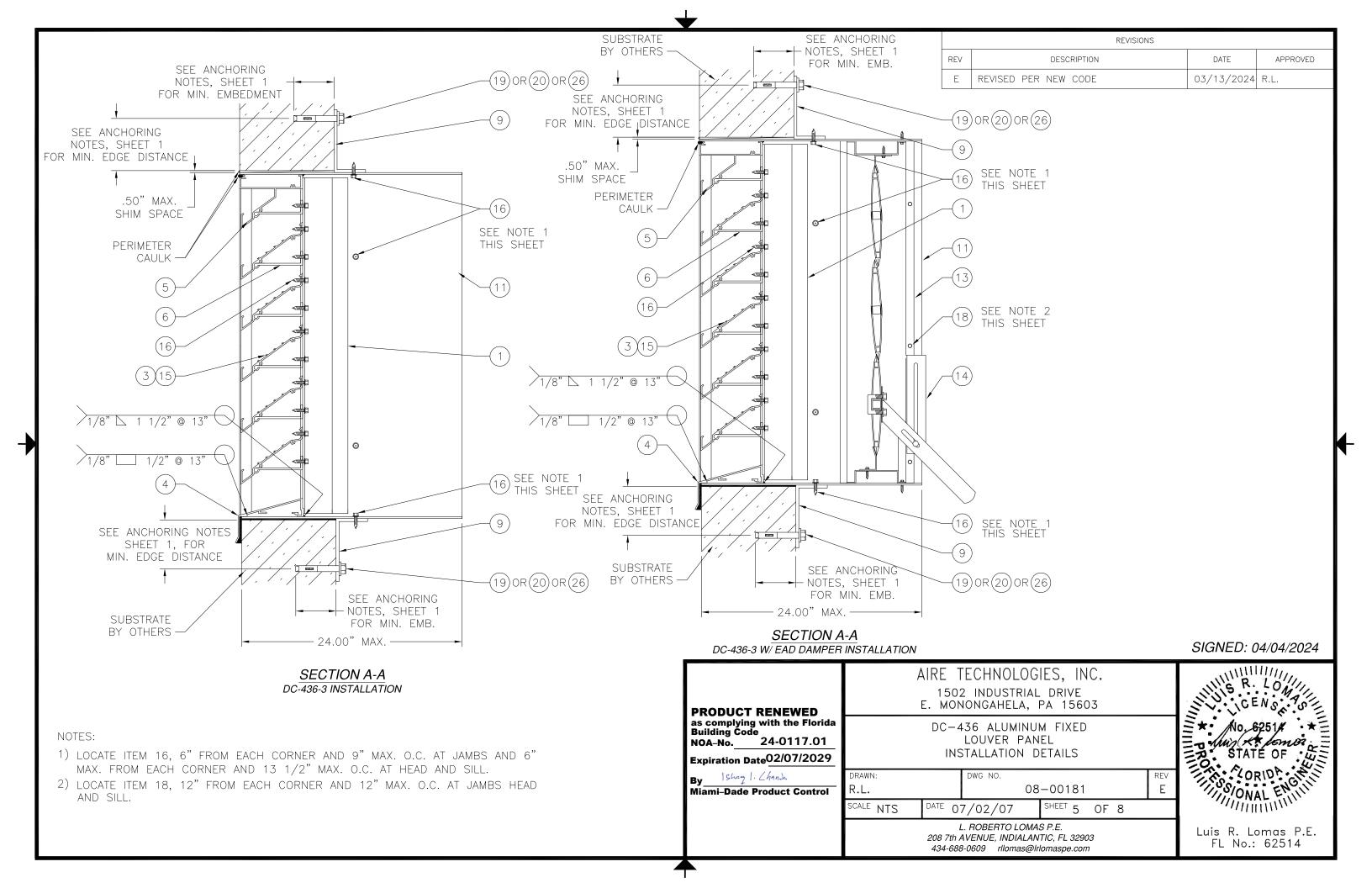
DESIGN PRESSURE RATING	IMPACT RATING			
±100.0PSF	LARGE MISSILE IMPACT			

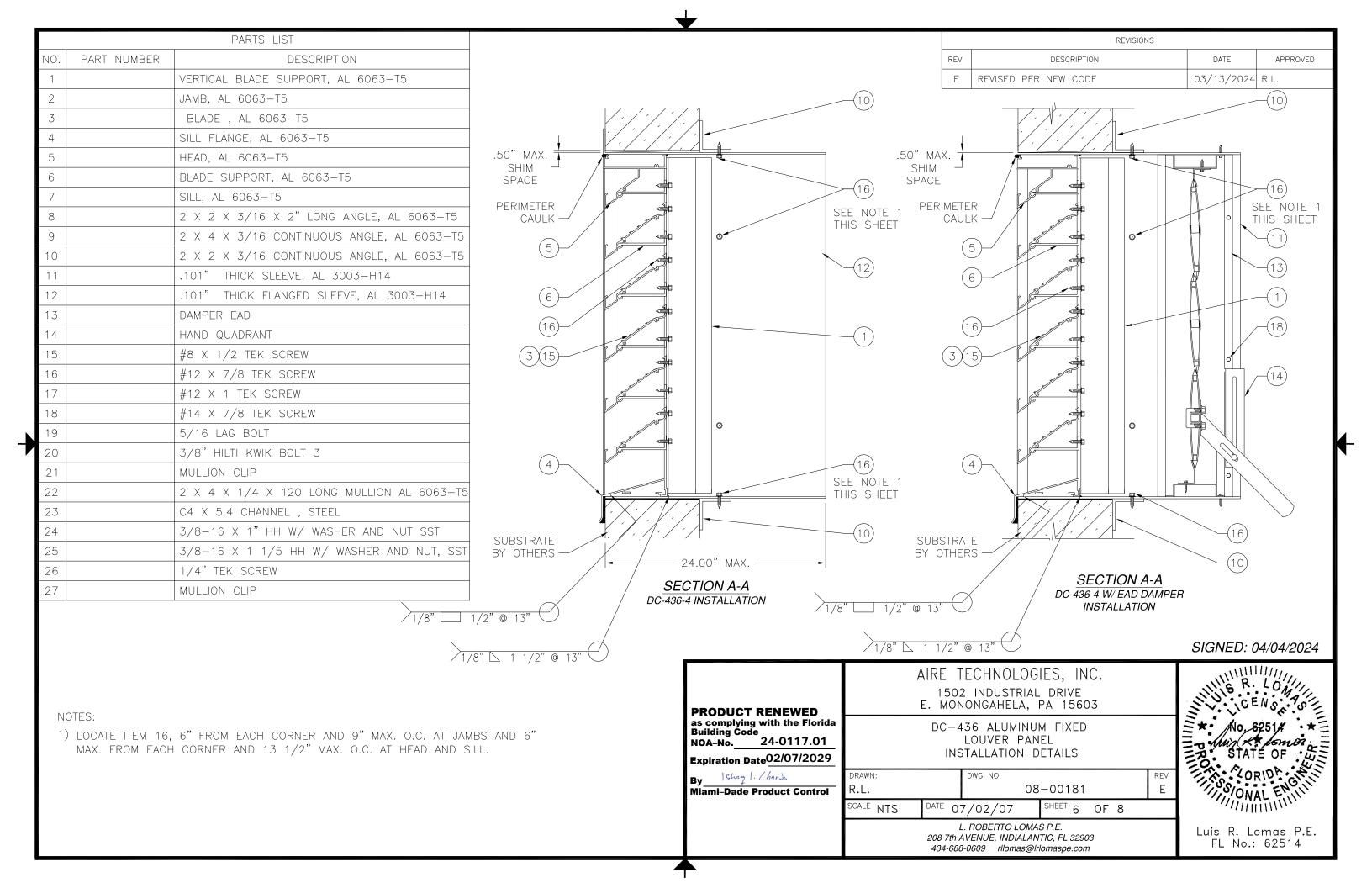
#### AIRE TECHNOLOGIES, INC. 1502 INDUSTRIAL DRIVE TREV NO. OF STATE OF E. MONONGAHELA, PA 15603 PRODUCT RENEWED as complying with the Florida Building Code NOA-No. 24-0117.01 DC-436 ALUMINUM FIXED LOUVER PANEL MULTIPLE PANEL ELEVATION Expiration Date 02/07/2029 By Ishaq 1. Chanda DRAWN: DWG NO. R.L. 08-00181 Miami-Dade Product Control DATE 07/02/07 SCALE NTS SHEET 3 OF 8 L. ROBERTO LOMAS P.E. Luis R. Lomas P.E. 208 7th AVENUE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com

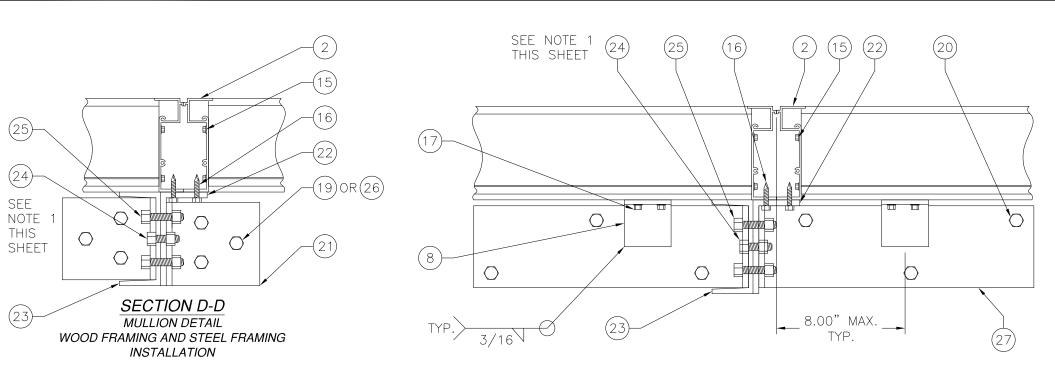
SIGNED: 04/04/2024

FL No.: 62514







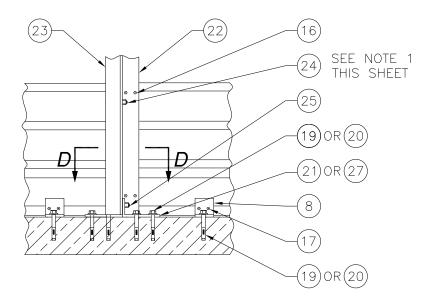


REVISIONS

REV DESCRIPTION DATE APPROVED

E REVISED PER NEW CODE 03/13/2024 R.L.

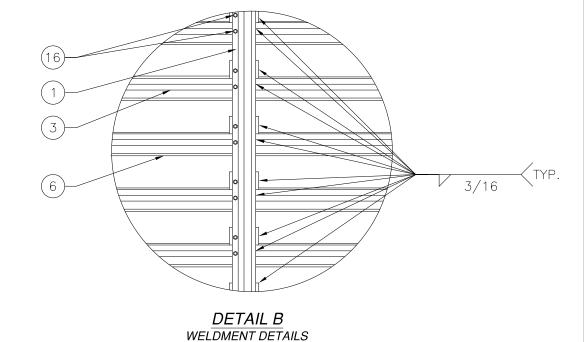
## SECTION D-D MULLION DETAIL CONCRETE INSTALLATION





## NOTES:

- 1) LOCATE ITEM 24, 6" FROM EACH END AND 24" MAX. O.C. THEREAFTER.
- 2) ATTACH BLADES TO JAMBS USING ITEM 16 BEFORE WELDING BLADES TO JAMBS. WELD BLADES TO JAMBS WITH 3/16" WELDS. SEE DETAIL B.
- 3) WELD HEAD FRAME TO JAMBS AT EACH END.
- 4) SLEEVES TO BE FULLY WELDED AT CORNERS.



SIGNED: 04/04/2024



