



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

PCI Industries, LLC dba All-Lite Arch. Products
5101 Blue Mound Road
Fort Worth, TX 76106

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 EXA- 645-MD Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **EXA-645-MD NOA**, titled "EXA-645-MD", sheets 1 through 13 of 13, dated 05/03/16, with revision **1** dated 03/28/23, prepared by the manufacturer, signed and sealed by Wayne K. Helmila, 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: A permanent label with the manufacturer's name or logo, manufacturing plant's city, 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.

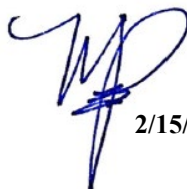
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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 NOA No. 23-0501.02** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




2/15/24

NOA No. 23-1215.19
Expiration Date: October 20, 2026
Approval Date: February 22, 2024
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. 16-0824.04)
2. Drawing No. **EXA-645-MD NOA**, titled "EXA-645-MD", sheets 1 through 13 of 13, dated 05/03/16, with revision 1 dated 03/28/23, prepared by the manufacturer, signed and sealed by Wayne K. Helmila, P.E.
(Submitted under NOA No. 23-0501.02)

B. TESTS

1. Test report on Wind Driven Rain Resistance per FBC AMCA 550-15 on an EXA-645-MD Aluminum Louver, prepared by Intertek, Test Report No. **J8688.01-801-44 R0**, dated 08/21/19, signed and sealed by Tyler Westerling, P.E.
(Submitted under NOA No. 21-0318.02)
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 installation diagram of a Model EXA-645-MD Aluminum Louver, prepared by Intertek/ATI, Test Report No. **F9510.01-801-18**, dated 07/11/16, signed and sealed by Tyler Westerling, P.E.
(Submitted under NOA No. 16-0824.04)

C. CALCULATIONS

1. EXA-645-MD louver anchor calculations dated 12/16/20, prepared by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.
(Submitted under NOA No. 21-0318.02)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.


Perez, P.E.
Product Control Examiner
NOA No. 23-1215.19
Expiration Date: October 20, 2026
Approval Date: February 22, 2024

PCI Industries, LLC dba All-Lite Arch. Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


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

F. STATEMENTS

1. Asset Purchase Agreement entered between **PCI Industries, Inc.** a California corporation (the Seller) and **PCI Industries, LLC**, a Delaware limited liability company (the Buyer), dated 10/22/21.
(Submitted under NOA No. 23-0501.02)
2. Statement letter as an official notification from **PCI Industries, Inc.** that all assets associated with the Pottorff model EXA-645-MD aluminum louver have been legally sold to **PCI Industries, LLC**, dated 11/17/21 and signed by Nathan Woodworth, Louver Development Manager.
(Submitted under NOA No. 23-0501.02)
3. Statement letter as a request from **PCI Industries, LLC** to issue a new Notice of Acceptance (NOA) for the Pottorff model EXA-645-MD aluminum louver, dated 11/17/21 and signed by Nathan Woodworth, Louver Development Manager.
(Submitted under NOA No. 23-0501.02)
4. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated 01/19/21, issued by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.
(Submitted under NOA No. 21-0318.02)
5. Statement letter of no financial interest, dated 01/19/21, issued by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.
(Submitted under NOA No. 21-0318.02)

G. OTHERS

1. Notice of Acceptance No. **21-0318.02**, issued to PCI Industries, Inc. d/b/a Pottorff for their Model EXA - 645-MD Aluminum Louver, approved on 07/22/21 and expiring on 10/20/26.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-1215.19
Expiration Date: October 20, 2026
Approval Date: February 22, 2024

PCI Industries, LLC dba All-Lite Arch. Products

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

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

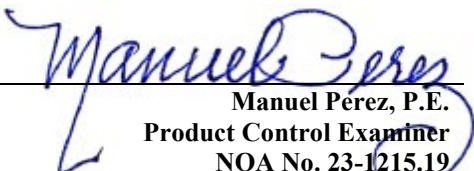
1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)**, issued by Rice Engineering, dated 11/28/23, signed and sealed by Wayne K. Helmila, P.E.

G. OTHERS

1. Notice of Acceptance No. **23-0501.02**, issued to PCI Industries, Inc. d/b/a All-Lite Arch. Products for their Model EXA - 645-MD Aluminum Louver, approved on 06/22/23 and expiring on 10/20/26.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-1215.19
Expiration Date: October 20, 2026
Approval Date: February 22, 2024

I:\Nathan\Miami-Dade_Updates (2020)\EXA-645-MD\EXA-645-MD NOA Drawings (Rev 2)\

NOTES:

1. THIS NOA DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES OF ± 120 PSF AS TESTED IN ACCORDANCE WITH PROTOCOLS TAS 201 (LEVEL 'D', 50 FPS), TAS 202, & TAS 203 FOR USE WITHIN HIGH VELOCITY HURRICANE-AFFECTED ZONES DEFINED BY THE FLORIDA BUILDING CODE. WHEN THE OPERABLE BLADES ARE IN THE FULLY-CLOSED POSITION, THE LOUVER ALSO HAS WATER INGRESS PROTECTION AS TESTED IN ACCORDANCE WITH AMCA 550.
2. ALL VARIATIONS ARE LARGE MISSILE IMPACT RESISTANT.
3. UNITS OF MEASURE ARE FRACTIONAL INCHES UNLESS OTHERWISE SPECIFIED.
4. IT IS ASSUMED THAT THE LOUVER SYSTEMS DO NOT SUPPORT ANY LOADS TRANSFERRED FROM THE BUILDING CONDITION.
5. IT IS ASSUMED THAT THE BUILDING CONDITIONS ARE ADEQUATELY DESIGNED TO SUPPORT LOADS IMPARTED BY THE LOUVER SYSTEM.
6. TO PREVENT GALVANIC CORROSION, ELECTROCHEMICALLY DISSIMILAR MATERIALS IN CONTACT WITH ONE ANOTHER SHALL BE PROTECTED BY PAINT, GASKETING, OR OTHER MEANS PER THE FLORIDA BUILDING CODE.
7. ADDITIONAL PROTECTION FROM WATER INGRESS IS NOT NECESSARY WHEN OPERABLE LOUVER BLADES ARE IN THE CLOSED POSITION.
8. OTHER BUILDING CONDITIONS THAN THOSE DENOTED CAN BE UTILIZED IF ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.
9. MULTI-SECTION WIDE AND HIGH LOUVER SYSTEMS ARE ALLOWABLE PROVIDED THE INDIVIDUAL SECTIONS ARE SUPPORTED PER THE DETAILS ON THIS DRAWING AND A SUITABLE SUPPORT STRUCTURE IS ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.

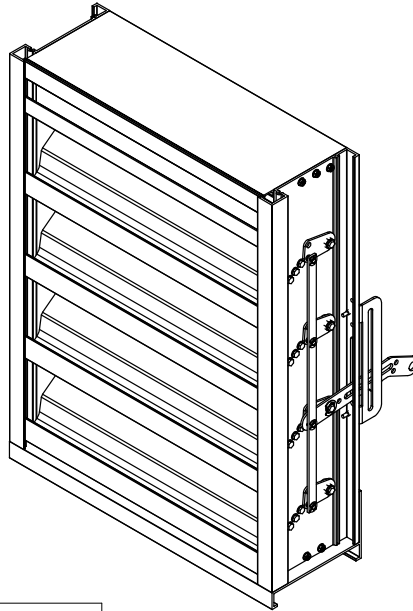


TABLE 1

SINGLE SECTION SIZE LIMITATIONS

MAX DESIGN PRESSURE	MIN (W X H)	MAX (W X H)
± 120 PSF	12" X 12"	60" X 120"

TABLE 2

MULTIPLE SECTION SIZE LIMITATIONS
(MAX DESIGN PRESSURE: 120 PSF)

SINGLE SECTION HIGH - UNLIMITED WIDTH	SEE SHEETS 4 THRU 8
SINGLE SECTION WIDE - UNLIMITED HEIGHT	SEE SHEET 9

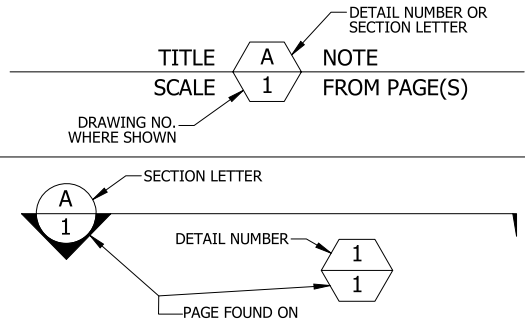


TABLE 3

ANCHOR SCHEDULE

SUBSTRATE	LOCATION	ANCHOR TYPE	MIN. EMBEDMENT	EDGE DISTANCE	SPACING
CONCRETE ($f_c \geq 3500$ PSI)	JAMBS (SHEAR)	1/2" X 5" DEWALT SCREW-BOLT+ (F-5)	4 1/4"	2 1/4" MIN.	20"
	JAMBS (TENSION)	1/2" X 5" DEWALT SCREW-BOLT+ (F-5)	4 1/4"	1 3/4" MIN. 2 1/2" MAX.	20"
	MULLIONS (SHEAR)	1/2" X 5" DEWALT SCREW-BOLT+ (F-5)	4 1/4"	3 3/8" MIN.	7 1/2"
	MULLIONS (TENSION)	5/8" X 6" DEWALT SCREW-BOLT+ (F-9)	5"	1 3/4" MIN. 2 3/8" MAX.	9 1/8"
GROUT-FILLED CMU ($f_m \geq 1500$ PSI)	ALL	3/8" X 4" DEWALT SCREW-BOLT+ (F-6)	3 1/4"	1 1/2" MIN. 1 3/4" MAX.	14" (JAMBS) 4" (MULLIONS)
STRUCTURAL STEEL (MIN. 3/16" THICK, $F_y \geq 36$ KSI)	ALL	1/4"-20 X 1-1/4" HEX BOLT, NUT, AND TWO (2) FLAT WASHERS (F-8), OR 1/4-14 X 1" SELF-DRILLING SCREW (F-10)	FULL	1 1/2" MIN.	2 1/2" (JAMBS) 1 1/2" (MULLIONS)
STEEL STUD (MIN. 16-GA, $F_y \geq 50$ KSI)	ALL	1/4"-20 X 1-1/4" HEX BOLT, NUT, AND TWO (2) FLAT WASHERS (F-8)	FULL	1 1/2" MIN.	2 1/2" (JAMBS) 1 1/2" (MULLIONS)
WOOD (S.G. ≥ 0.43)	ALL	3/8" X 3-1/2" LAG BOLT WITH FLAT WASHER (F-7)	3"	1 1/2" MIN.	2 1/2" (JAMBS) 1 1/2" (MULLIONS)

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **23-0501.02**

Approval Date **06/22/2023**

By *[Signature]*
Miami-Dade Product Control

RICE
ENGINEERING

105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

P.E. STAMP



PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By: *[Signature]*
Miami-Dade Product Control

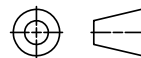
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ± 0.060
X.XX ± 0.030
X.XXX ± 0.010
ANGLE $\pm 1^\circ$
FRACTION $\pm 1/16$

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

THIRD ANGLE PROJECTION



5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR:
COVER SHEET

PROJECT: EXA-645-MD

PROJ. MGR.:

DRAWN BY: LGH

DATE: 5/3/2016

CHK'D BY: NW

DRAWING NUMBER

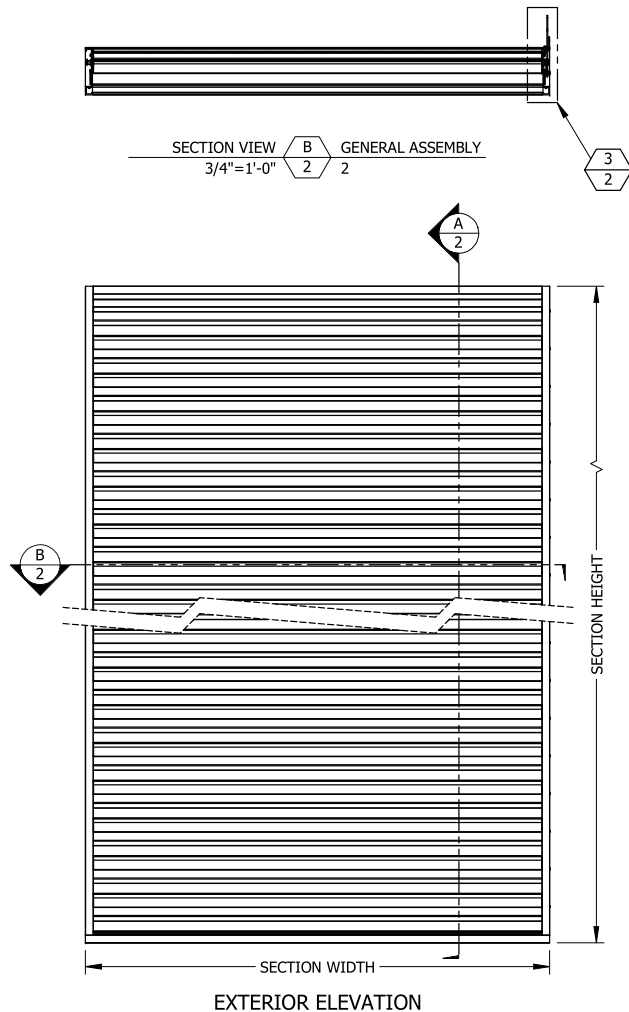
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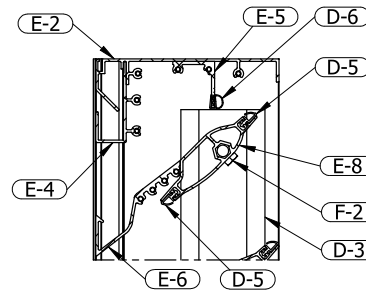
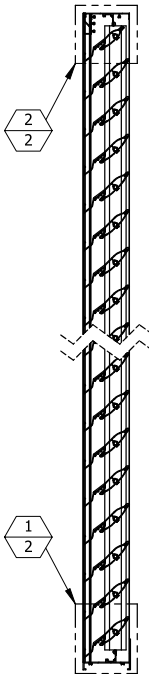
EXA-645-MD NOA

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REV.	DESCRIPTION	DATE	DRAWN BY

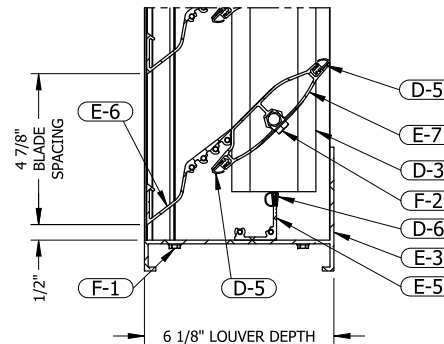
I:\Nathan\Miami-Dade Updates (2020)\EXA-645-MD\EXA-645-MD NOA Drawings (Rev 2)\



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **23-0501.02**
Approval Date **06/22/2023**
By *[Signature]*
Miami-Dade Product Control

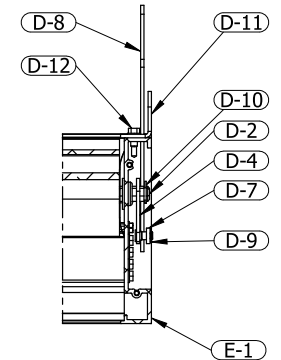


IN FLANGED CONFIGURATIONS:
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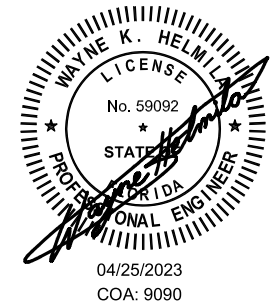
IN FLANGED CONFIGURATIONS:
E-12 WILL BE USED IN PLACE OF E-3

GENERAL LOUVER ASSEMBLY



IN FLANGED CONFIGURATIONS:
E-10 WILL BE USED IN PLACE OF E-1
IN MULTI-WIDE CONFIGURATIONS:
E-9 WILL BE USED IN PLACE OF E-1 AT MULLIONS

P.E. STAMP



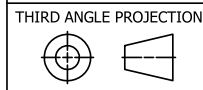
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NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By: *[Signature]*
Miami-Dade Product Control

RICE ENGINEERING

105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16
MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS



5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR:
GENERAL LOUVER ASSEMBLY

PROJECT: EXA-645-MD

PROJ. MGR.:

DRAWN BY: LGH

DATE: 5/3/2016

CHK'D BY: NW

DRAWING NUMBER

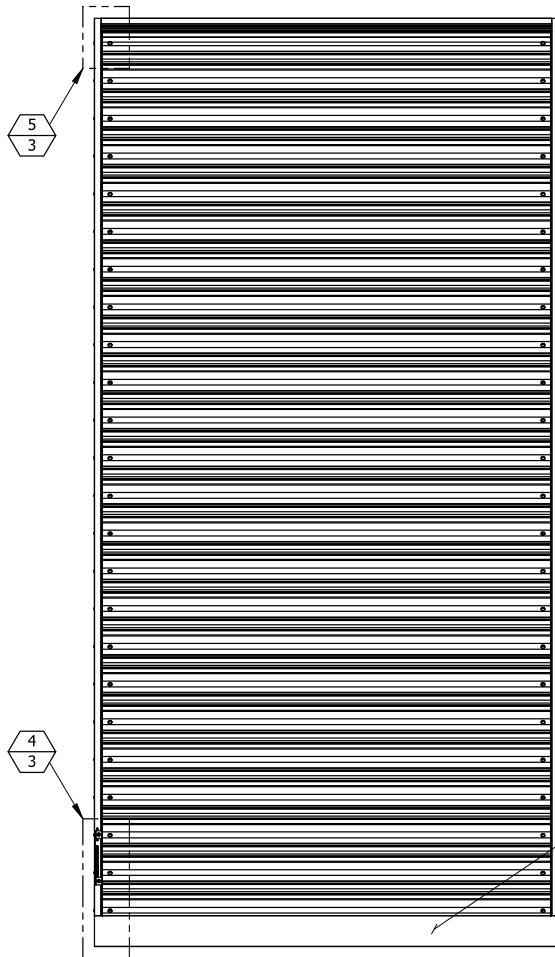
SHEET: 2 of 13

SCALE: 3/4"=1'-0"

EXA-645-MD NOA

1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW
REV.	DESCRIPTION	DATE	DRAWN BY

I:\Nathan\Miami-Dade Updates (2020)\EXA-645-MD\EXA-645-MD NOA Drawings (Rev 2)



INTERIOR ELEVATION

ENGRAVED LABEL DETAIL

PCI Industries LLC d/b/a
ALL-LITE
Ft Worth TX
SO# 123456

Miami Dade County
Product Control
Approved

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By: *Manuel Perez*
Miami-Dade Product Control

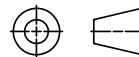
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

THIRD ANGLE PROJECTION



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Phone: 817-509-2300
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Approval Date **06/22/2023**

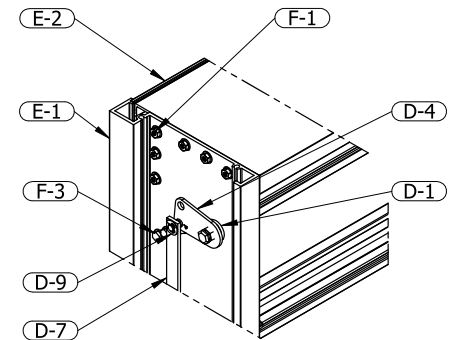
By: *[Signature]*
Miami-Dade Product Control

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www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

GENERAL LOUVER ASSEMBLY



CONSTRUCTION $\frac{5}{3}$ DETAIL
3"=1'-0" 3

IN FLANGED CONFIGURATIONS:
E-10 WILL BE USED IN PLACE OF E-1
E-11 WILL BE USED IN PLACE OF E-2
IN MULTI-WIDE CONFIGURATIONS:
E-9 WILL BE USED IN PLACE OF E-1 AT MULLIONS

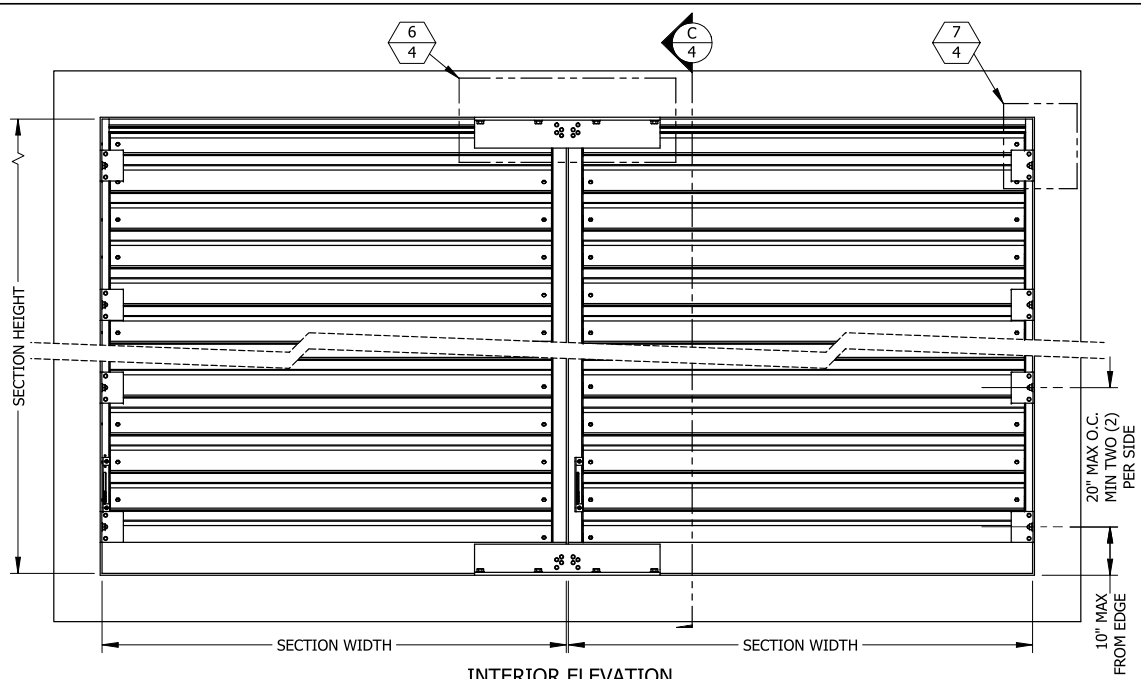
P.E. STAMP



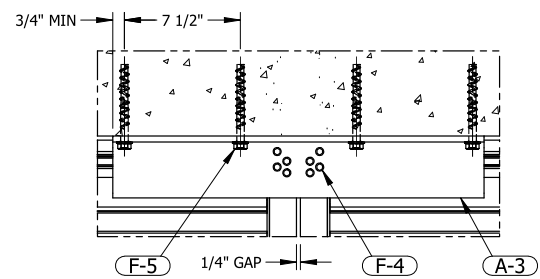
1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW
REV.	DESCRIPTION	DATE	DRAWN BY

DRAWING DESCR: GENERAL LOUVER ASSEMBLY			
PROJECT: EXA-645-MD			
PROJ. MGR.:		DRAWN BY: LGH	
DATE: 5/3/2016	CHK'D BY: NW	DRAWING NUMBER	
SHEET: 3 of 13	SCALE: 3/4"=1'-0"	EXA-645-MD NOA	

I:\Nathan\Miami-Dade_Updates (2020)\EXA-645-MD NOA Drawings (Rev 2)



INTERIOR ELEVATION

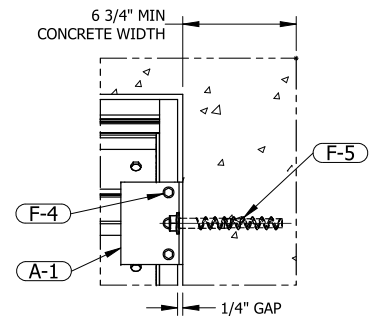


TOP & BTM MULLION MOUNT DETAIL 6/4 CONCRETE CONDITION - SHEAR
SCALE 1-1/2\"=1'-0\" 4 4

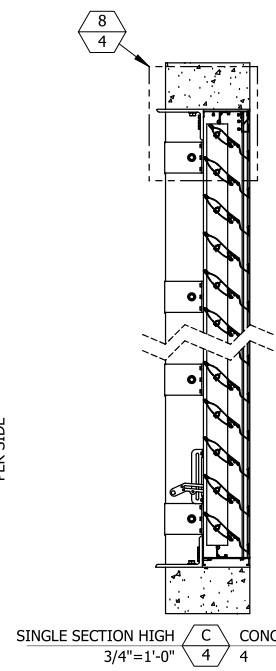
THIS DETAIL NOT USED FOR SINGLE SECTION WIDE ASSEMBLIES

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **23-0501.02**
Approval Date **06/22/2023**
By *[Signature]*
Miami-Dade Product Control

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By *[Signature]*
Miami-Dade Product Control

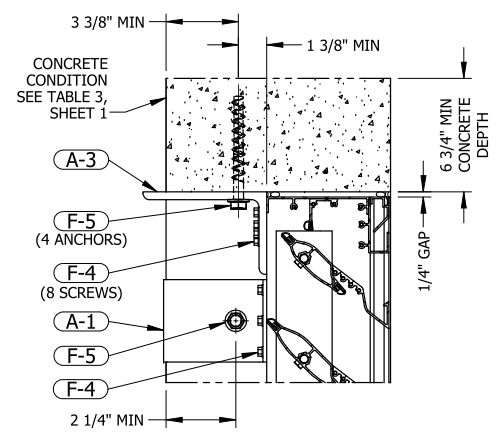


JAMB MOUNT DETAIL 7/4 CONCRETE CONDITION - SHEAR
2-1/4\"=1'-0\" 4 4



SINGLE SECTION HIGH C/4 CONCRETE COND. - SHEAR
3/4\"=1'-0\" 4 4

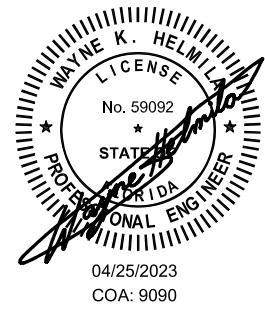
CONCRETE CONDITION - SHEAR



TOP & BTM MOUNT DETAIL 8/4 CONCRETE CONDITION - SHEAR
2-1/4\"=1'-0\" 4 4

A-3 AND ASSOCIATED FASTENERS NOT USED IN
SINGLE SECTION WIDE ASSEMBLIES

RICE
ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092



P.E. STAMP

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16
MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

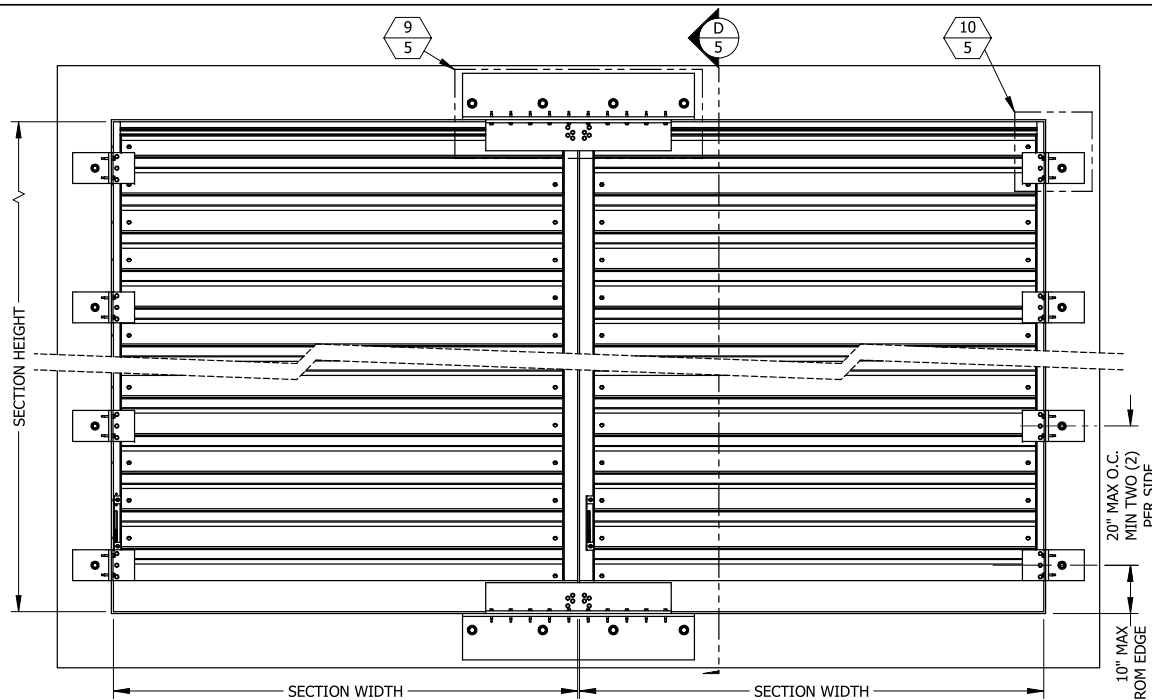
PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS
THIRD ANGLE PROJECTION

5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

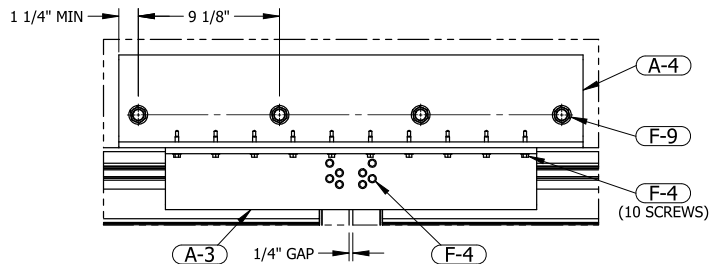
DRAWING DESCR: CONCRETE CONDITION - SHEAR			
PROJECT: EXA-645-MD			
PROJ. MGR.:		DRAWN BY: LGH	
DATE: 5/3/2016	CHK'D BY: NW	DRAWING NUMBER	
SHEET: 4 of 13	SCALE: 3/4\"=1'-0\"	EXA-645-MD NOA	

1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW
REV.	DESCRIPTION	DATE	DRAWN BY

I:\Nathan\Miami-Dade Updates (2020)\EXA-645-MD\EXA-645-MD Drawings (Rev 2)



INTERIOR ELEVATION



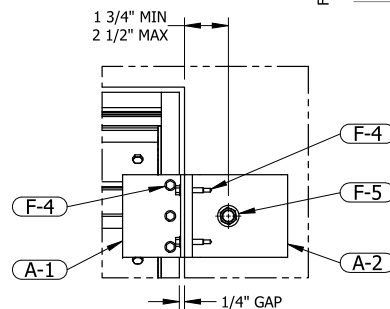
TOP & BTM MULLION MOUNT DETAIL $\frac{9}{5}$ CONCRETE CONDITION - TENSION
SCALE 1-1/2"=1'-0"

THIS DETAIL NOT USED FOR SINGLE SECTION WIDE ASSEMBLIES

RICE
ENGINEERING

105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
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Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092



JAMB MOUNT DETAIL $\frac{10}{5}$ CONCRETE CONDITION - TENSION
SCALE 2-1/4"=1'-0"

SINGLE SECTION HIGH $\frac{D}{5}$ CONCRETE COND. - TENSION
3/4"=1'-0"

PRODUCT APPROVED
as complying with the Florida
Building Code

NOA-No. **23-0501.02**

Approval Date **06/22/2023**

By *[Signature]*
Miami-Dade Product Control

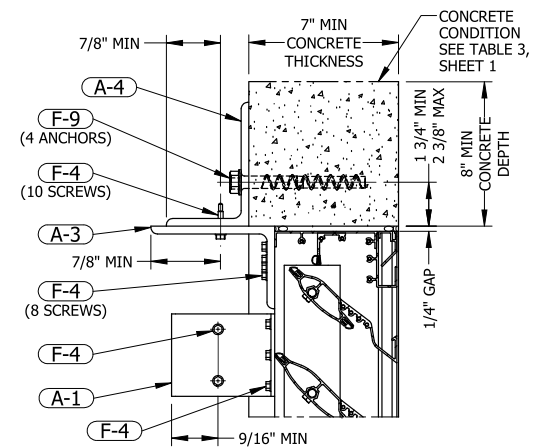
PRODUCT REVISED
As complying with the Florida
Building Code

NOA-No. **23-1215.19**

Expiration Date: **10/20/2026**

By: *Manuel Jara*
Miami-Dade Product Control

CONCRETE CONDITION - TENSION



TOP & BTM MOUNT DETAIL $\frac{11}{5}$ CONCRETE CONDITION - TENSION
2-1/4"=1'-0"

A-3, A-4, AND ASSOCIATED FASTENERS NOT USED IN
SINGLE SECTION WIDE ASSEMBLIES

P.E. STAMP



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

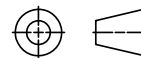
TOLERANCE UNLESS NOTED:

X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

THIRD ANGLE PROJECTION



5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR:
CONCRETE CONDITION - TENSION

PROJECT: EXA-645-MD

PROJ. MGR.:

DATE: 5/3/2016

SHEET: 5 of 13

CHK'D BY: NW

SCALE: 3/4"=1'-0"

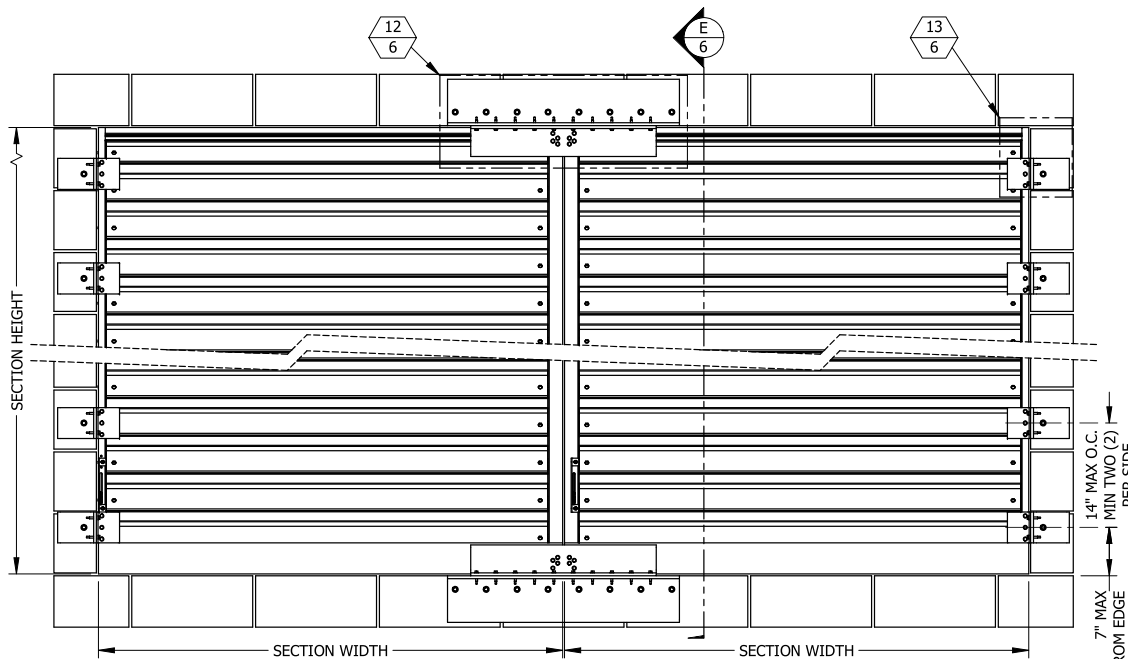
DRAWN BY: LGH

DRAWING NUMBER

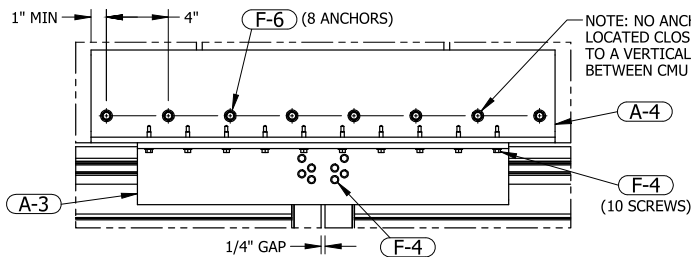
EXA-645-MD NOA

REV.	DESCRIPTION	DATE	DRAWN BY
1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW

I:\Nathan\Miami-Dade Updates (2020)\EXA-645-MD\EXA-645-MD NOA Drawings (Rev 2)

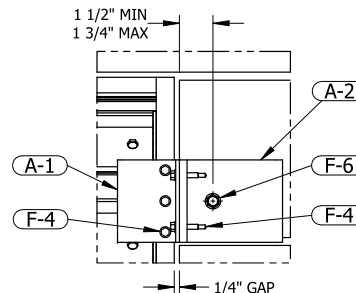


INTERIOR ELEVATION



TOP & BTM MULLION MOUNT DETAIL 12/6 CMU CONDITION
SCALE 1-1/2"=1'-0"

THIS DETAIL NOT USED FOR SINGLE SECTION WIDE ASSEMBLIES



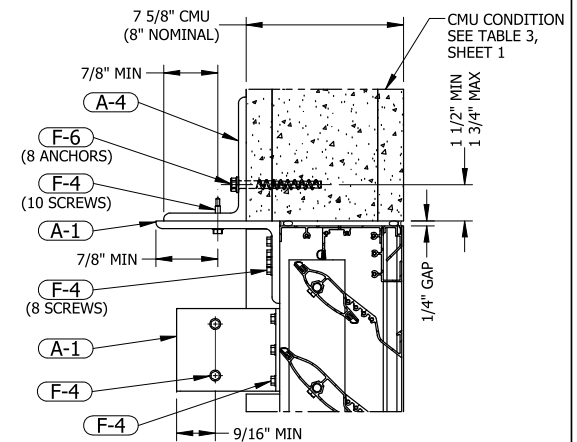
JAMB MOUNT DETAIL 13/6 CMU CONDITION
2-1/4"=1'-0"

SINGLE SECTION HIGH E 6 CMU CONDITION
3/4"=1'-0"

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **23-0501.02**
Approval Date **06/22/2023**
By *[Signature]*
Miami-Dade Product Control

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By: *[Signature]*
Miami-Dade Product Control

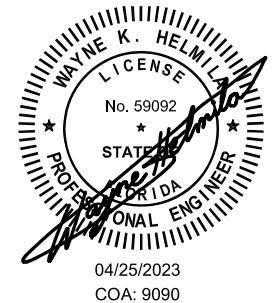
CMU CONDITION



TOP & BTM MOUNT DETAIL 14/6 CMU CONDITION
2-1/4"=1'-0"

A-3, A-5, AND ASSOCIATED FASTENERS NOT USED IN
SINGLE SECTION WIDE ASSEMBLIES

P.E. STAMP



RICE ENGINEERING

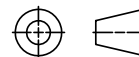
105 School Creek Trail
Luxemburg, WI. 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9092
Wayne K. Helmila
Registration No: 59092

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X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16
MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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ARCHITECTURAL PRODUCTS

THIRD ANGLE PROJECTION



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Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR:
CMU CONDITION

PROJECT: EXA-645-MD

PROJ. MGR.:

DATE: 5/3/2016

SHEET: 6 of 13

CHK'D BY: NW

SCALE: 3/4"=1'-0"

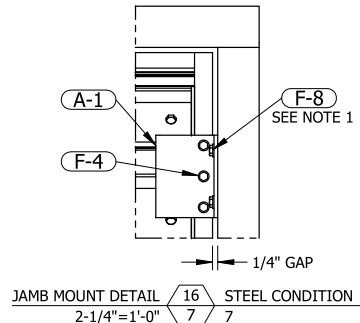
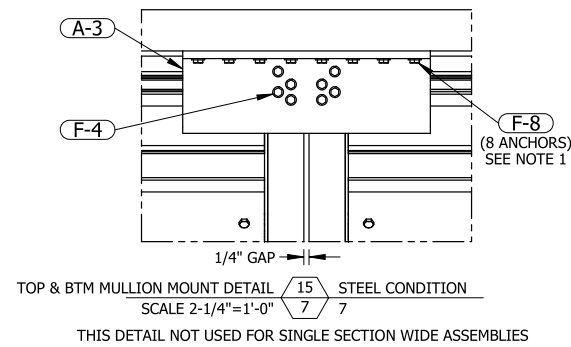
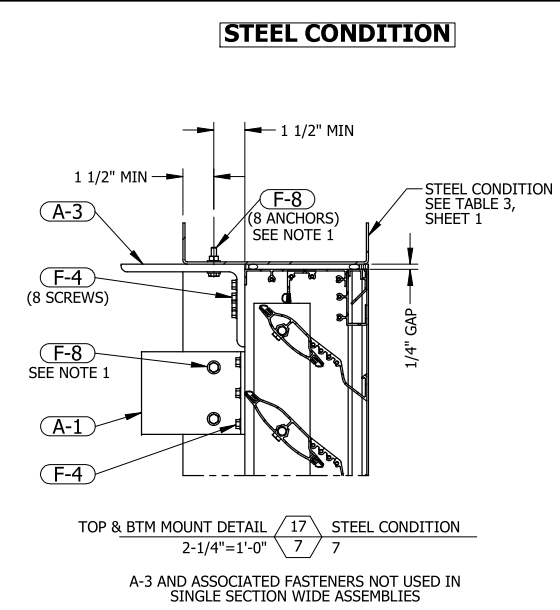
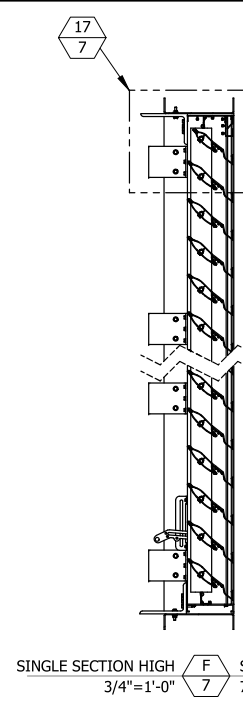
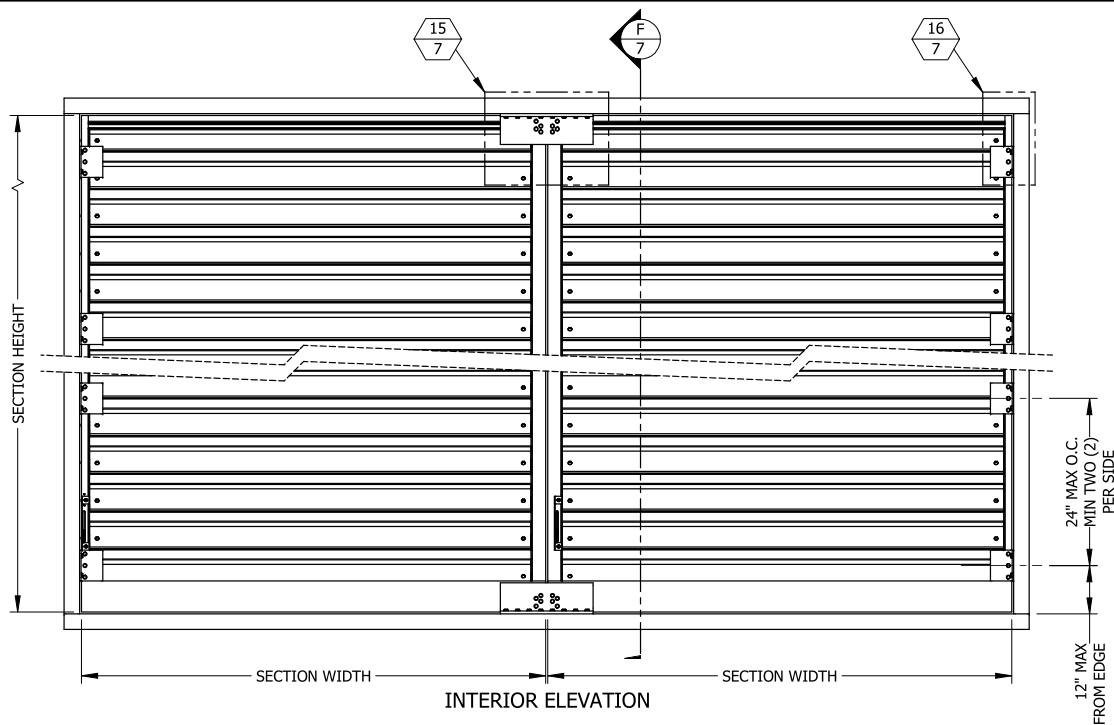
DRAWN BY: LGH

DRAWING NUMBER

EXA-645-MD NOA

1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW
REV.	DESCRIPTION	DATE	DRAWN BY

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PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **23-0501.02**
Approval Date **06/22/2023**
By *[Signature]*
Miami-Dade Product Control

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Wayne K. Helmila
Registration No: 59092

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04/25/2023
COA: 9090

NOTES:
1. FOR MIN. 3/16"-THICK STRUCTURAL STEEL CONDITIONS, IT IS
ACCEPTABLE TO SUBSTITUTE 1/4-14 X 1" SELF-DRILLING SCREWS
(F-10) IN PLACE OF 1/4" BOLTED CONNECTIONS (F-8).

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By: *[Signature]*
Miami-Dade Product Control

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TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16
MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

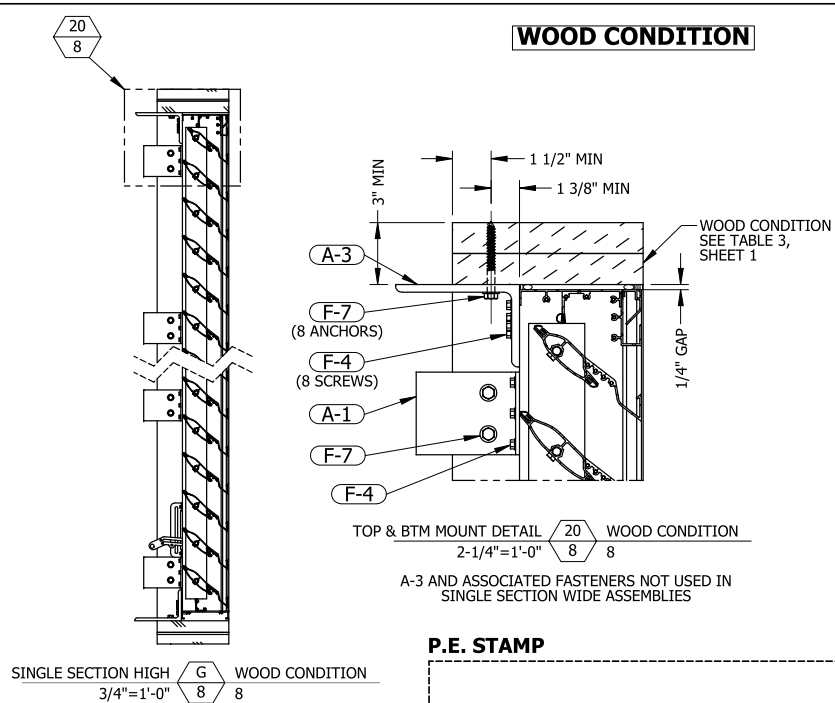
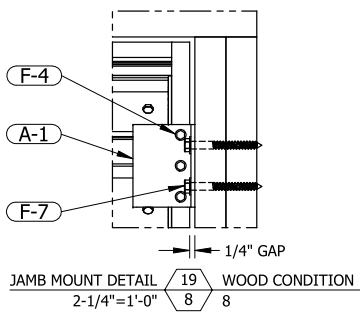
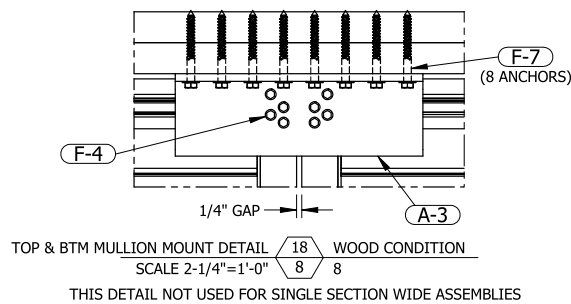
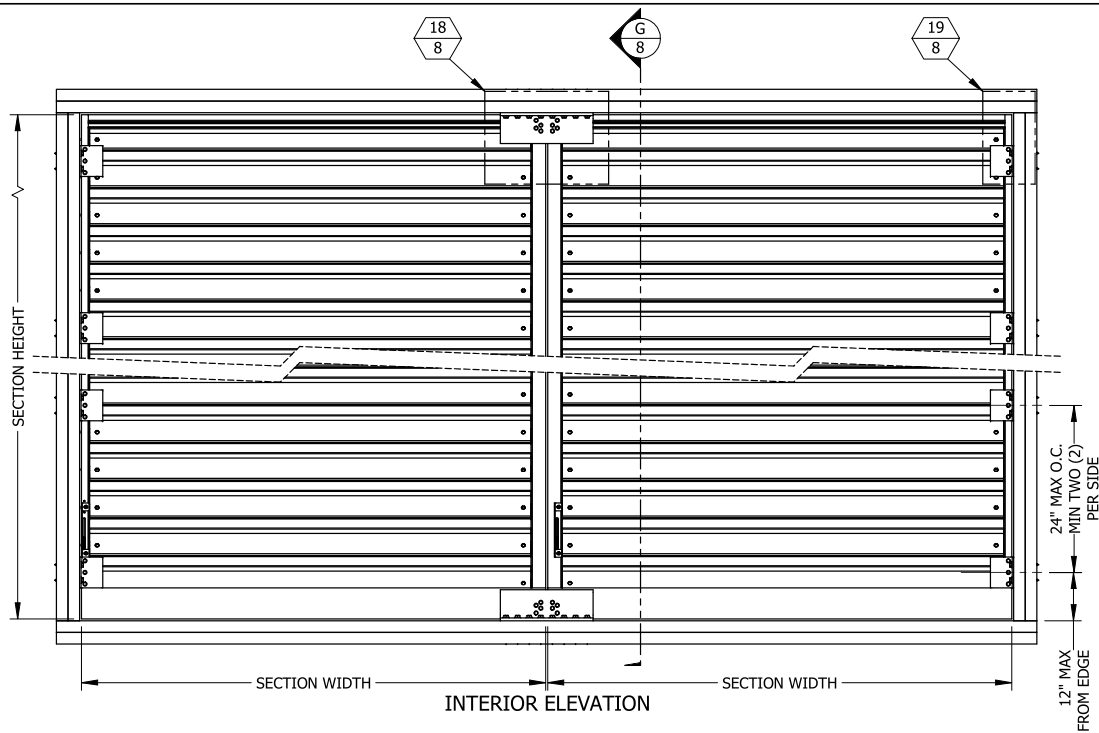
PCI INDUSTRIES DOING BUSINESS AS
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ARCHITECTURAL PRODUCTS
THIRD ANGLE PROJECTION

5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR: STEEL CONDITION		
PROJECT: EXA-645-MD		
PROJ. MGR.:	DRAWN BY: LGH	
DATE: 5/3/2016	CHK'D BY: NW	DRAWING NUMBER
SHEET: 7 of 13	SCALE: 3/4"=1'-0"	EXA-645-MD NOA

1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW
REV.	DESCRIPTION	DATE	DRAWN BY

I:\Nathan\Miami-Dade_Updates (2020)\EXA-645-MD\EXA-645-MD NOA Drawings (Rev 2)\



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **23-0501.02**
Approval Date **06/22/2023**
By *[Signature]*
Miami-Dade Product Control

RICE
ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
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Wayne K. Helmila
Registration No: 59092



PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By: *[Signature]*
Miami-Dade Product Control

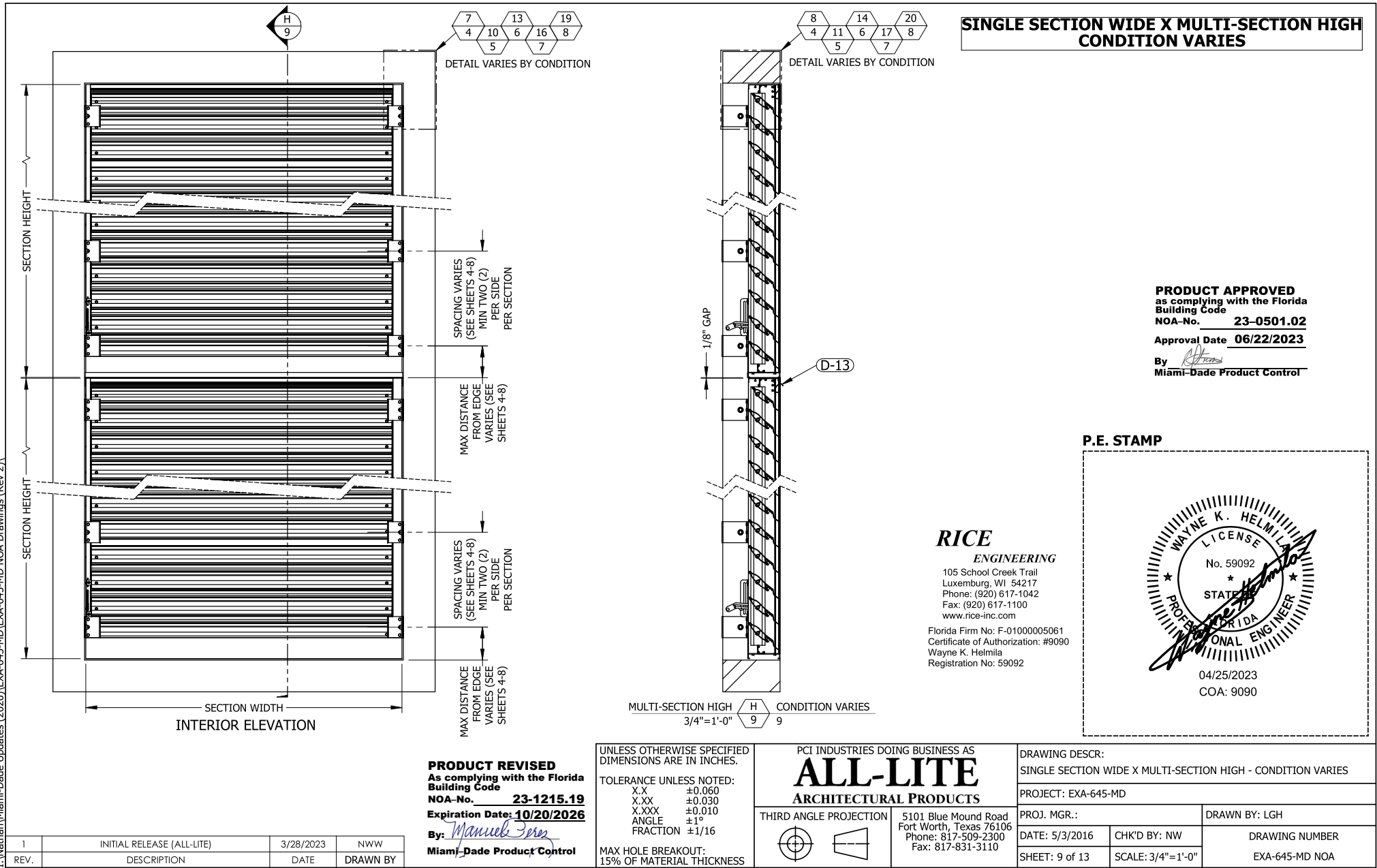
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16
MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS
THIRD ANGLE PROJECTION
5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR: WOOD CONDITION		
PROJECT: EXA-645-MD		
PROJ. MGR.:	DRAWN BY: LGH	
DATE: 5/3/2016	CHK'D BY: NW	DRAWING NUMBER
SHEET: 8 of 13	SCALE: 3/4"=1'-0"	EXA-645-MD NOA

1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW
REV.	DESCRIPTION	DATE	DRAWN BY

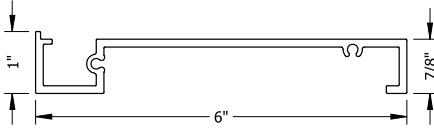
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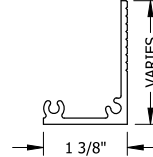
I:\Natham\Miami-Dade Updates (2020)\EXA-645-MD NOA Drawings (Rev 2)

BILL OF MATERIALS

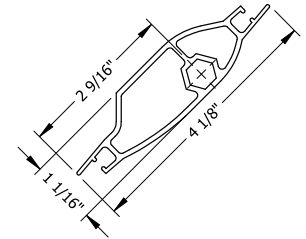
PART NO: E-1
PART NAME: FRAME JAMB,
STANDARD
MATERIAL: MINIMUM 0.125" THICK
6063-T5 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



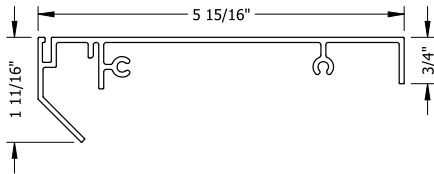
PART NO: E-5
PART NAME: BLADE STOP
MATERIAL: MINIMUM 0.100" THICK
6063-T5 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



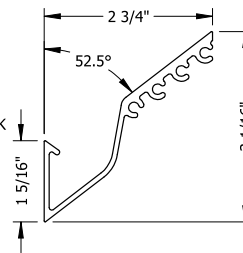
PART NO: E-8
PART NAME: OPERABLE REAR
HALF-BLADE
MATERIAL: MINIMUM 0.081" THICK
6063-T5 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



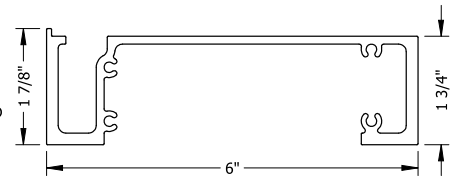
PART NO: E-2
PART NAME: FRAME HEAD
MATERIAL: MINIMUM 0.081" THICK
6063-T5 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



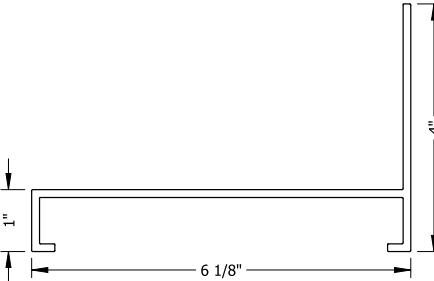
PART NO: E-6
PART NAME: FIXED FRONT BLADE
MATERIAL: MINIMUM 0.081" THICK
6063-T6 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



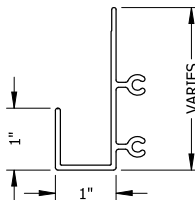
PART NO: E-9
PART NAME: FRAME JAMB,
MULLION
MATERIAL: MIN. 0.125" THICK
6005-T6 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



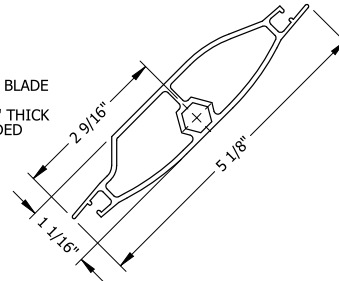
PART NO: E-3
PART NAME: FRAME SILL
MATERIAL: MINIMUM 0.125" THICK
6063-T6 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



PART NO: E-4
PART NAME: RAIN DRIP
MATERIAL: MINIMUM 0.081" THICK
6063-T5 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



PART NO: E-7
PART NAME: OPERABLE REAR BLADE
MATERIAL: MINIMUM 0.081" THICK
6063-T5 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"

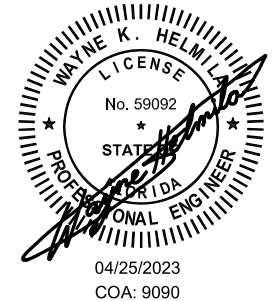


P.E. STAMP

RICE ENGINEERING

105 School Creek Trail
Luxemburg, WI 54217
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Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092



PRODUCT REVISED

As complying with the Florida
Building Code

NOA-No. **23-1215.19**

Expiration Date: **10/20/2026**

By: *Manuel Perez*
Miami-Dade Product Control

PRODUCT APPROVED

as complying with the Florida
Building Code

NOA-No. **23-0501.02**

Approval Date **06/22/2023**

By: *Manuel Perez*
Miami-Dade Product Control

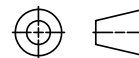
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

PCI INDUSTRIES DOING BUSINESS AS ALL-LITE ARCHITECTURAL PRODUCTS

THIRD ANGLE PROJECTION



5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR:
BILL OF MATERIALS

PROJECT: EXA-645-MD

PROJ. MGR.:

DRAWN BY: LGH

DATE: 5/3/2016

CHK'D BY: NW

DRAWING NUMBER

SHEET: 10 of 13

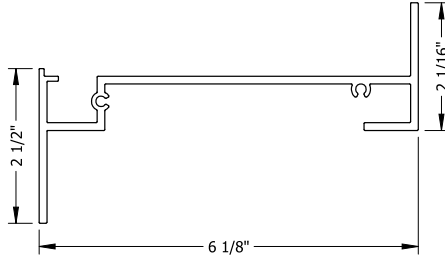
SCALE: AS NOTED

EXA-645-MD NOA

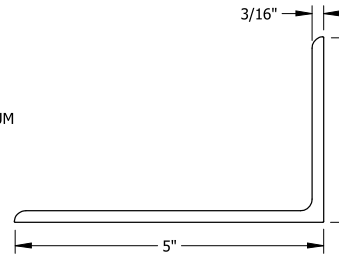
1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW
REV.	DESCRIPTION	DATE	DRAWN BY

I:\Nathan\Miami-Dade_Updates (2020)\EXA-645-MD\EXA-645-MD NOA Drawings (Rev 2)\

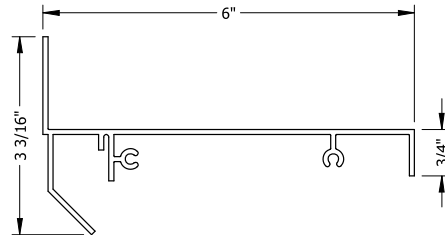
PART NO: E-10
PART NAME: FRAME JAMB,
FLANGED
MATERIAL: MINIMUM 0.125" THICK
6063-T5 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



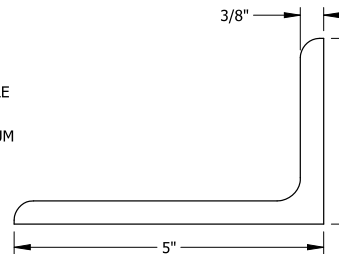
PART NO: A-1
PART NAME: JAMB CLIP ANGLE
MATERIAL: 5" X 3" X 3/16" X 4" LONG
6063-T6 EXTRUDED ALUMINUM
SCALE: 6"=1'-0"



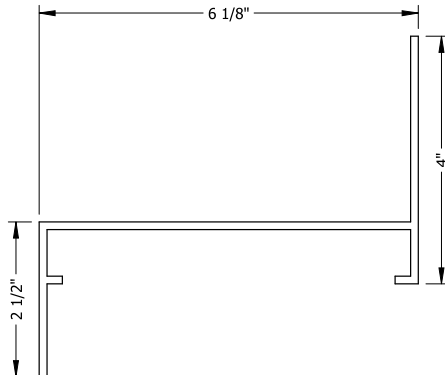
PART NO: E-11
PART NAME: FRAME HEAD,
FLANGED
MATERIAL: MINIMUM 0.081" THICK
6063-T5 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



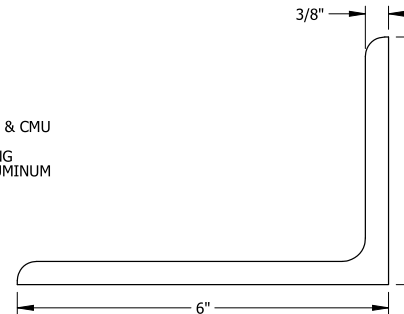
PART NO: A-2
PART NAME: SECONDARY JAMB CLIP ANGLE
MATERIAL: 5" X 3" X 3/8" X 4" LONG
6061-T6 EXTRUDED ALUMINUM
SCALE: 6"=1'-0"



PART NO: E-12
PART NAME: FRAME SILL,
FLANGED
MATERIAL: MINIMUM 0.125" THICK
6063-T6 EXTRUDED
ALUMINUM
SCALE: 6"=1'-0"



PART NO: A-4
PART NAME: SECONDARY MULLION
CLIP ANGLE, CONCRETE & CMU
MATERIAL: 6" X 4" X 3/8" X 30" LONG
6061-T6 EXTRUDED ALUMINUM
SCALE: 6"=1'-0"



BILL OF MATERIALS

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **23-0501.02**

Approval Date **06/22/2023**

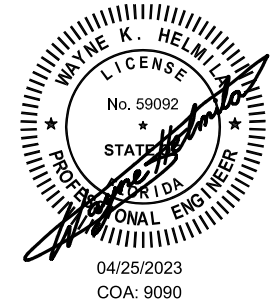
By 
Miami-Dade Product Control

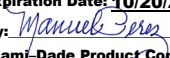
RICE ENGINEERING

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PRODUCT REVISED
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NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By: 
Miami-Dade Product Control

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THIRD ANGLE PROJECTION



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Fax: 817-831-3110

DRAWING DESCR:
BILL OF MATERIALS

PROJECT: EXA-645-MD

PROJ. MGR.:

DRAWN BY: LGH

DATE: 5/3/2016

CHK'D BY: NW

DRAWING NUMBER

SHEET: 11 of 13

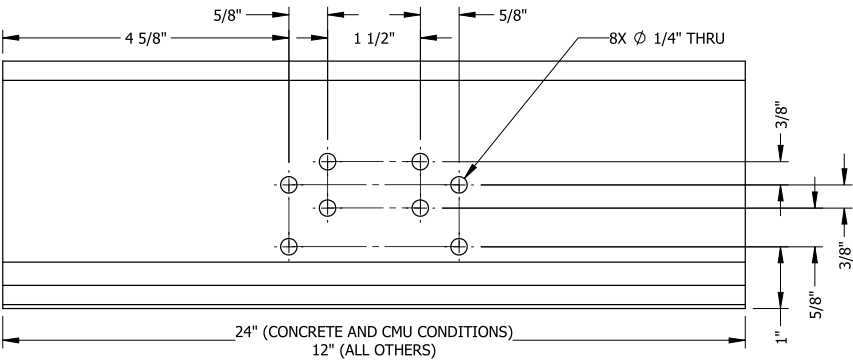
SCALE: AS NOTED

EXA-645-MD NOA

1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW
REV.	DESCRIPTION	DATE	DRAWN BY

BILL OF MATERIALS

PART NO: A-3
PART NAME: MULLION CLIP ANGLE
MATERIAL: 6" X 4" X 3/8"
6061-T6 EXTRUDED ALUMINUM
SCALE: 6"=1'-0"

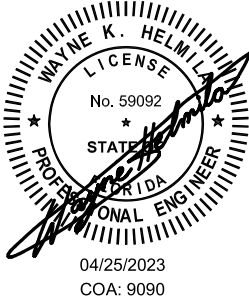


RICE
ENGINEERING

105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com

Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

P.E. STAMP



NOTE: ALL INSTALLATION FASTENERS AND ANCHORS SHALL BE OF CORROSION-RESISTANT STEEL (STAINLESS OR HOT-DIP GALVANIZED)

PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By: *Manuel Perez*
Miami-Dade Product Control

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.
TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

PCI INDUSTRIES DOING BUSINESS AS
ALL-LITE
ARCHITECTURAL PRODUCTS

THIRD ANGLE PROJECTION

5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR: BILL OF MATERIALS		
PROJECT: EXA-645-MD		
PROJ. MGR.:	DRAWN BY: LGH	
DATE: 5/3/2016	CHK'D BY: NW	DRAWING NUMBER
SHEET: 12 of 13	SCALE: AS NOTED	EXA-645-MD NOA

BILL OF MATERIALS**RICE**
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04/25/2023
COA: 9090

MISCELLANEOUS FASTENERS

PART NO	DESCRIPTION
F-1	#10-24 X 3/4" LONG, HWH, 410 SST, "F" POINT MACHINE SCREW
F-2	BOLT, HEX HEAD, 1/4-20 UNC X 1/2" LONG, 18-8 SST
F-3	#10-16 x 3" LONG, HWH, 410 SST, SELF DRILLING TEK MACHINE SCREW
F-4	1/4-14 X 1-1/2" LONG, HWH, SELF-DRILLING TEK MACHINE SCREW, 300-SERIES SST
F-5	1/2" X 5" DEWALT SCREW-BOLT+, GALV. FINISH
F-6	3/8" X 4" DEWALT SCREW-BOLT+, GALV. FINISH
F-7	3/8" X 3-1/2" LAG BOLT W/FLAT WASHER, 300-SERIES SST
F-8	1/4-20 X 1-1/4" LONG HEX BOLT, NUT, AND TWO (2) FLAT WASHERS, 300-SERIES SST
F-9	5/8" X 6" DEWALT SCREW-BOLT+, GALV. FINISH
F-10	1/4-14 X 1" LONG SELF-DRILLING SCREW, 300-SERIES SST

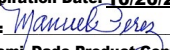
MISC. DAMPER PARTS

PART NO	DESCRIPTION	MATERIAL
D-1	BUSHING, 9/16" OD X 1/2" ID X 5/16"	THERMOPLASTIC
D-2	HEX AXLE	STEEL, ZINC PLATED
D-3	SEAL, JAMB	304 SST
D-4	PARALLEL CAM ASSEMBLY	STEEL, ZINC PLATED
D-5	OPERABLE AIRFOIL BLADE SEAL	THERMOPLASTIC
D-6	OPERABLE LOUVER STOP SEAL	THERMOPLASTIC
D-7	BAR, LINK, 4.875" SPACING	STEEL, ZINC PLATED
D-8	OPERABLE LOUVER HANDLE	GALVANIZED STEEL
D-9	E-RING, 1/4"	ZINC PLATED STEEL
D-10	E-RING, 1/2"	ZINC PLATED STEEL
D-11	OPERABLE LOUVER BRACKET	GALVANIZED STEEL
D-12	SCREW, 12-14 X 3/4, HWH, TEK	410 SST
D-13	HEAD / SILL FLASHING	5052-H32

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **23-0501.02**

Approval Date **06/22/2023**

By 
Miami-Dade Product Control

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.19**
Expiration Date: **10/20/2026**
By: 
Miami-Dade Product Control

NOTE: ALL INSTALLATION FASTENERS AND ANCHORS SHALL BE OF
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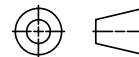
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PROJ. MGR.:

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DATE: 5/3/2016

CHK'D BY: NW

DRAWING NUMBER

SHEET: 13 of 13

SCALE: AS NOTED

EXA-645-MD NOA

1	INITIAL RELEASE (ALL-LITE)	3/28/2023	NWW
REV.	DESCRIPTION	DATE	DRAWN BY