



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 Pottorff
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 ECV- 545-MD Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **ECV-545-MD NOA**, titled "ECV-6545-MD", sheets 1 through 8 of 8, dated 09/10/21, with revision **1** dated 11/03/21, 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.

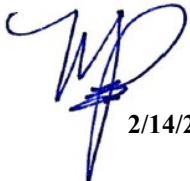
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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. 21-1122.08** 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.**




2/14/24

NOA No. 23-1215.14
Expiration Date: January 20, 2027
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. 21-1122.08)
2. Drawing No. **ECV-545-MD NOA**, titled "ECV-545-MD", sheets 1 through 8 of 8, dated 09/10/21, with revision 1 dated 11/03/21, prepared by the manufacturer, signed and sealed by Wayne K. Helmila, P.E.
(Submitted under NOA No. 21-1122.08)

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Large Missile Impact Test per AMCA 504-13 (Level E, 80 fps)
4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of Model ECV-545-MD Aluminum Louvers, prepared by Intertek, Test Report No. **M1518.02-801-44 R0**, dated 09/20/21, signed and sealed by Tyler Westerling, P.E.
(Submitted under NOA No. 21-1122.08)
2. Test Reports on High Velocity Wind Driven Rain Resistance per AMCA 550 Rev. 09-15 of a Model ECV-545 Vertical Aluminum Louver, prepared by Intertek, Test Report No. **M1667.01-801-44 R0**, dated 08/24/21, signed and sealed by Tyler Westerling, P.E.
(Submitted under NOA No. 21-1122.08)

C. CALCULATIONS


1. ECV-645-MD louver anchor calculations dated 11/03/21, prepared by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.
(Submitted under NOA No. 21-1122.08)

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-1215.14
Expiration Date: January 20, 2027
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


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

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, dated 10/28/21, issued by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E. ***(Submitted under NOA No. 21-1122.08)***
2. Statement letter of no financial interest, dated 10/28/21, issued by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E. ***(Submitted under NOA No. 21-1122.08)***

G. OTHERS

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-1215.14
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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. **21-1122.08**, issued to PCI Industries, LLC d/b/a Pottorff for their Model ECV - 545-MD Aluminum Louver, approved on 01/20/22 and expiring on 01/20/27.



Manuel Perez, P.E.

Product Control Examiner

NOA No. 23-1215.14

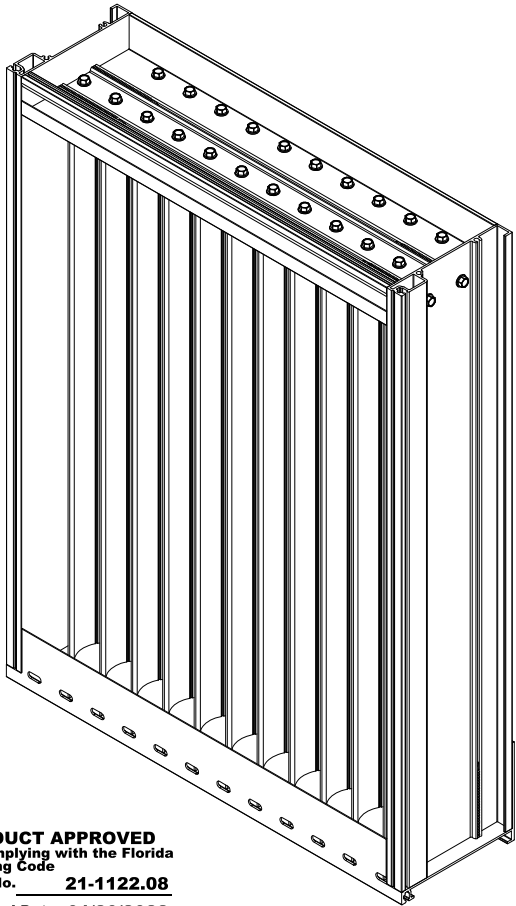
Expiration Date: January 20, 2027

Approval Date: February 22, 2024

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NOTES:

1. THIS NOA DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES OF ± 130 PSF AS TESTED IN ACCORDANCE WITH PROTOCOLS TAS 201 (LEVEL 'E', 80 FPS), TAS 202, TAS 203, TAS 100A, & AMCA 550 FOR USE WITHIN HIGH VELOCITY HURRICANE-AFFECTED ZONES DEFINED BY THE FLORIDA BUILDING CODE.
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. SINCE THE DESIGN MEETS THE PERFORMANCE STANDARDS OF TAS 100A AND AMCA 550, THE ROOM BEHIND THE LOUVER NEED NOT BE DESIGNED TO DRAIN WATER PENETRATION INTO THE ROOM, AND MAY HOUSE NON-WATER RESISTANT EQUIPMENT, COMPONENTS, OR SUPPLIES.
8. OTHER BUILDING CONDITIONS THAN THOSE DENOTED CAN BE UTILIZED IF ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.
9. MULTI-SECTION 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.
10. TO PREVENT WATER INFILTRATION BETWEEN THE LOUVER AND THE BUILDING CONDITION, LOUVERS SHALL BE INSTALLED WITH CAULK AND BACKER ROD AROUND THE ENTIRE PERIMETER OF THE OPENING, FOR MULTIPLE SECTION WIDE LOUVER ASSEMBLIES, CAULK AND BACKER ROD SHALL ALSO BE APPLIED AT EVERY VERTICAL JOINT BETWEEN SECTIONS.

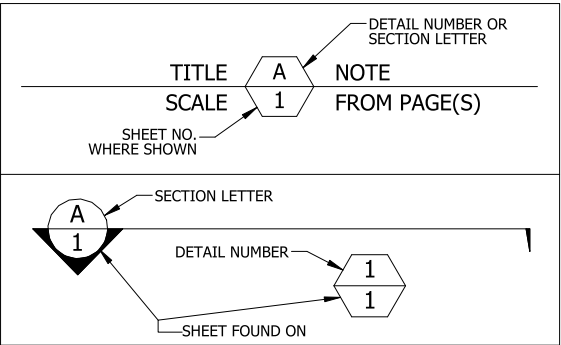


PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.14**
Expiration Date: **01/20/2027**
By: *Manuel Fern*
Miami-Dade Product Control

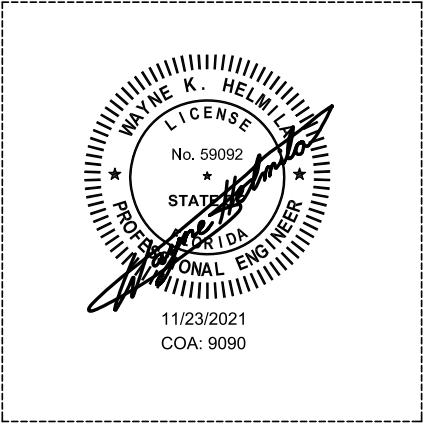
PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **21-1122.08**
Approval Date **01/20/2022**
By: *Wayne K. Helmila*
Miami-Dade Product Control

TABLE 1		
SINGLE SECTION SIZE LIMITATIONS		
MAX DESIGN PRESSURE	MIN (W X H)	MAX (W X H)
± 130 PSF	11 1/2" X 11 1/2"	60" X 120"

TABLE 2	
MULTIPLE SECTION SIZE LIMITATIONS (MAX DESIGN PRESSURE: ± 130 PSF)	
SINGLE SECTION HIGH - UNLIMITED WIDTH	SEE SHEET 5



P.E. STAMP



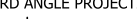
RICE
ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

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0	INITIAL RELEASE	9/15/2021	JMR
REV.	DESCRIPTION	DATE	DRAWN BY

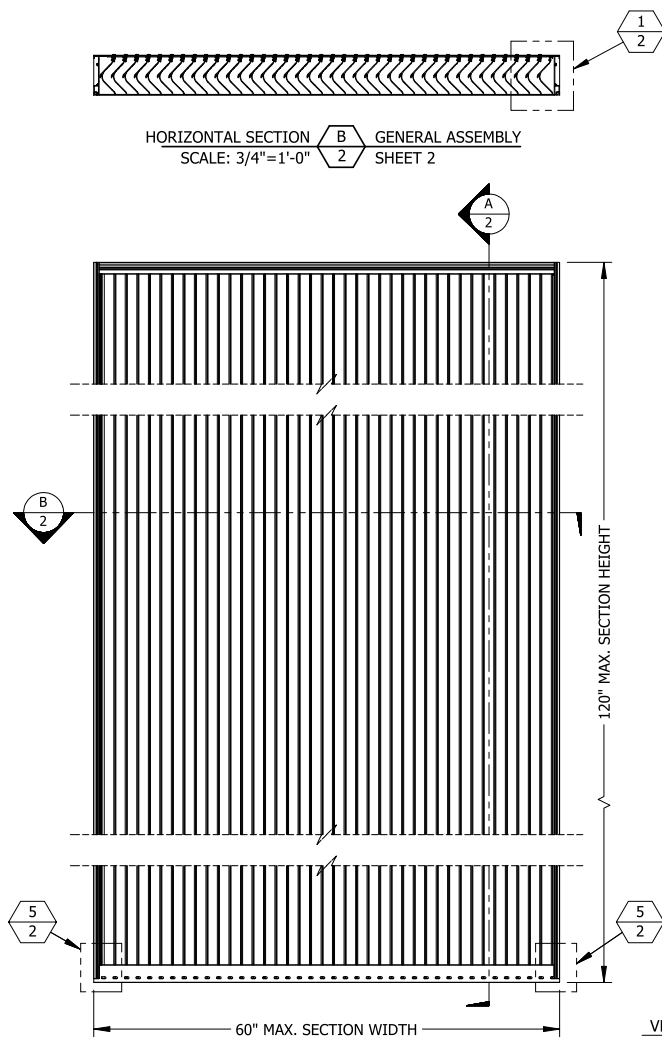
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

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		DRAWING DESCR:		
POTTORFF		COVER SHEET		
THIRD ANGLE PROJECTION		PROJECT: ECV-545-MD		
	5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110	PROJ. MGR.: BEN FORD		DRAWN BY: JMR
		DATE: 9/10/2021	CHK'D BY: LGH	
		SHEET: 1 of 8		SCALE: NONE
			DRAWING NUMBER ECV-545-MD NOA	

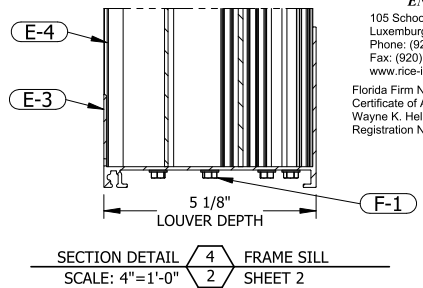
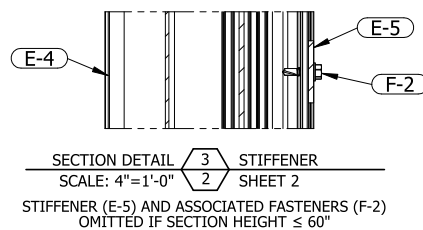
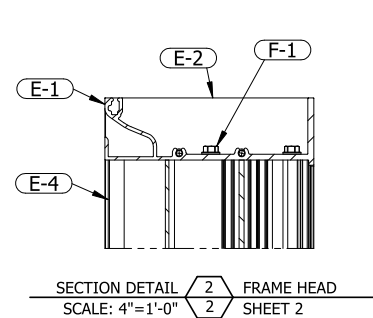
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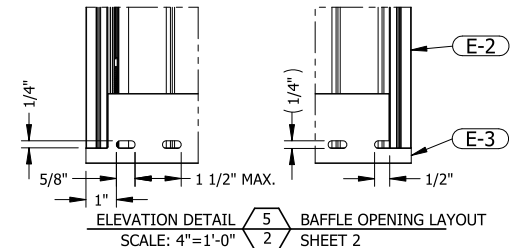
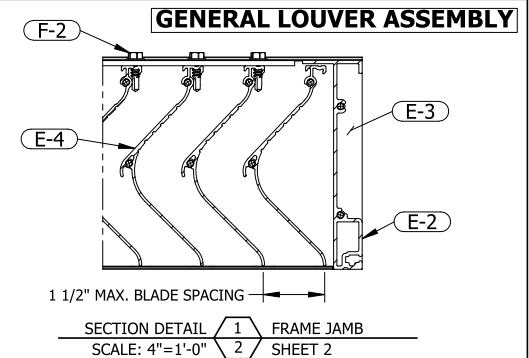
PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **21-1122.08**
Approval Date **01/20/2022**
By *[Signature]*
Miami-Dade Product Control

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.14**
Expiration Date: **01/20/2027**
By: *[Signature]*
Miami-Dade Product Control

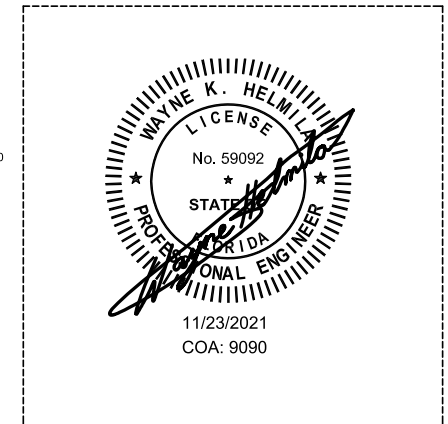
1	UPDATE PER RICE COMMENTS	11/3/2021	JMR
0	INITIAL RELEASE	9/15/2021	JMR
REV.	DESCRIPTION	DATE	DRAWN BY



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P.E. STAMP



UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

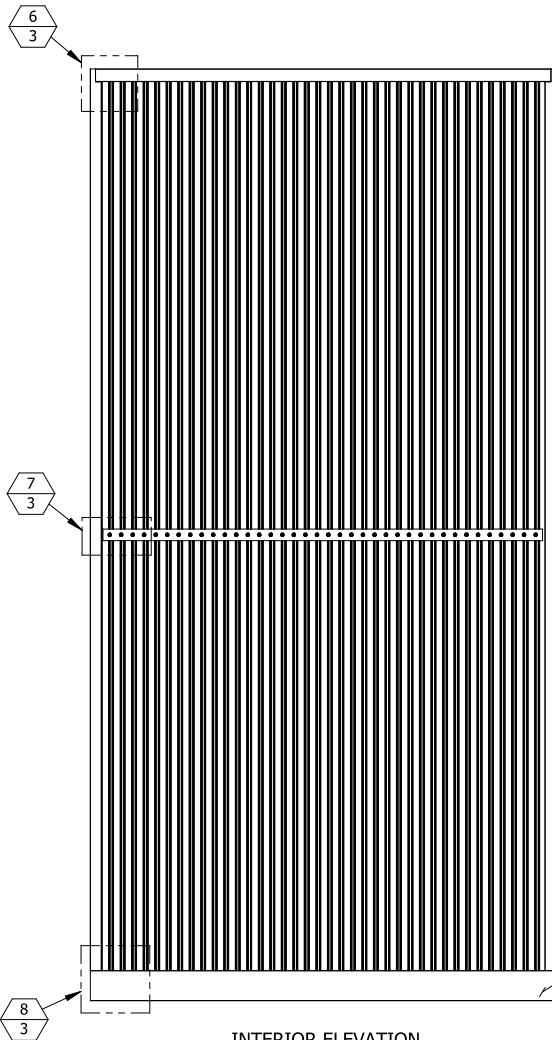
TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

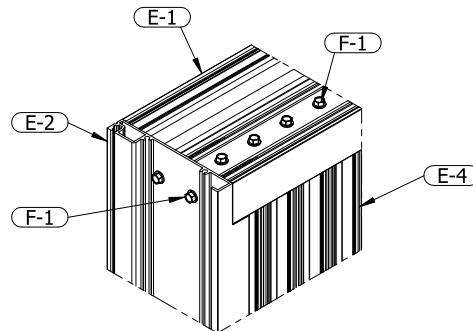
PCI INDUSTRIES DOING BUSINESS AS POTTORFF		DRAWING DESCR: GENERAL LOUVER ASSEMBLY	
THIRD ANGLE PROJECTION		PROJECT: ECV-545-MD	
5101 Blue Mound Road Fort Worth, Texas 76106 Phone: 817-509-2300 Fax: 817-831-3110		PROJ. MGR.: BEN FORD	DRAWN BY: JMR
DATE: 9/10/2021		CHK'D BY: LGH	DRAWING NUMBER
SHEET: 2 of 8		SCALE: 3/4"=1'-0"	ECV-545-MD NOA



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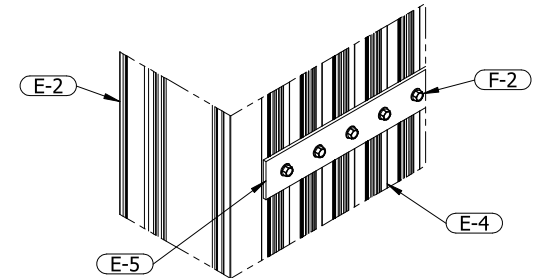
GENERAL LOUVER ASSEMBLY





INTERIOR ELEVATION



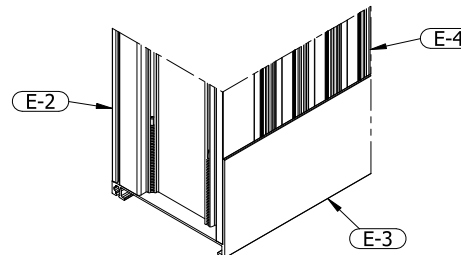
ASSEMBLY DETAIL  UPPER CORNER
SCALE: 3"=1'-0"  SHEET 3





ASSEMBLY DETAIL  STIFFENER
SCALE: 3"=1'-0"  SHEET 3
STIFFENER (E-5) AND ASSOCIATED FASTENERS (F-2)
OMITTED IF SECTION HEIGHT $\leq 60"$

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.14**
Expiration Date: **01/20/2027**
By: *Manuel Perez*
Miami-Dade Product Control

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **21-1122.08**
Approval Date **01/20/2022**
By: *[Signature]*
Miami-Dade Product Control



ASSEMBLY DETAIL  LOWER CORNER
SCALE: 3"=1'-0"  SHEET 3

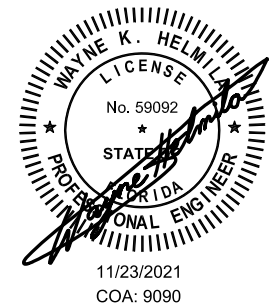
ENGRAVED LABEL DETAIL

PCI Industries LLC d/b/a **POTTORFF**
Ft Worth TX
SO# 123456
Miami Dade County
Product Control
Approved

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



1	UPDATE PER RICE COMMENTS	11/3/2021	JMR
0	INITIAL RELEASE	9/15/2021	JMR
REV.	DESCRIPTION	DATE	DRAWN BY

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

POTTORFF

THIRD ANGLE PROJECTION



5101 Blue Mound Road
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Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR:

GENERAL LOUVER ASSEMBLY

PROJECT: ECV-545-MD

PROJ. MGR.: BEN FORD

DATE: 9/10/2021

SHEET: 3 of 8

CHK'D BY: LGH

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

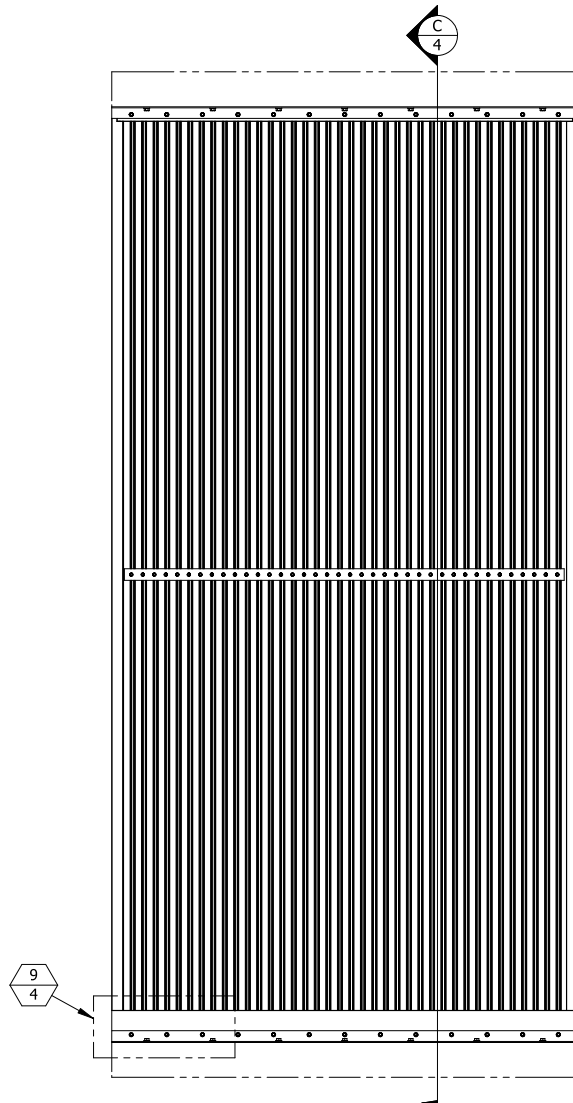
DRAWN BY: JMR

DRAWING NUMBER

ECV-545-MD NOA

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SINGLE-SECTION INSTALLATION



INTERIOR ELEVATION



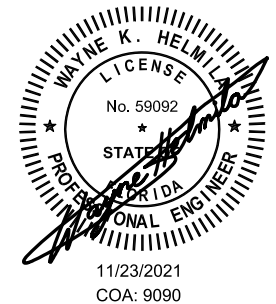
VERTICAL SECTION **C/4** LOUVER INSTALLATION
SCALE: 3/4"=1'-0" SHEETS 4 & 5

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.14**
Expiration Date: **01/20/2027**
By: *Manuel Jern*
Miami-Dade Product Control

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By: *Wayne K. Helmila*
Miami-Dade Product Control

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TOLERANCE UNLESS NOTED:
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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

POTTORFF

THIRD ANGLE PROJECTION



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

DRAWING DESCR:

SINGLE-SECTION INSTALLATION

PROJECT: ECV-545-MD

PROJ. MGR.: BEN FORD

DATE: 9/10/2021

SHEET: 4 of 8

CHK'D BY: LGH

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

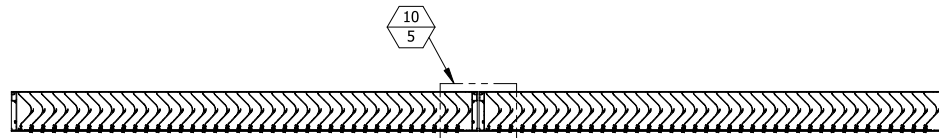
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DRAWING NUMBER

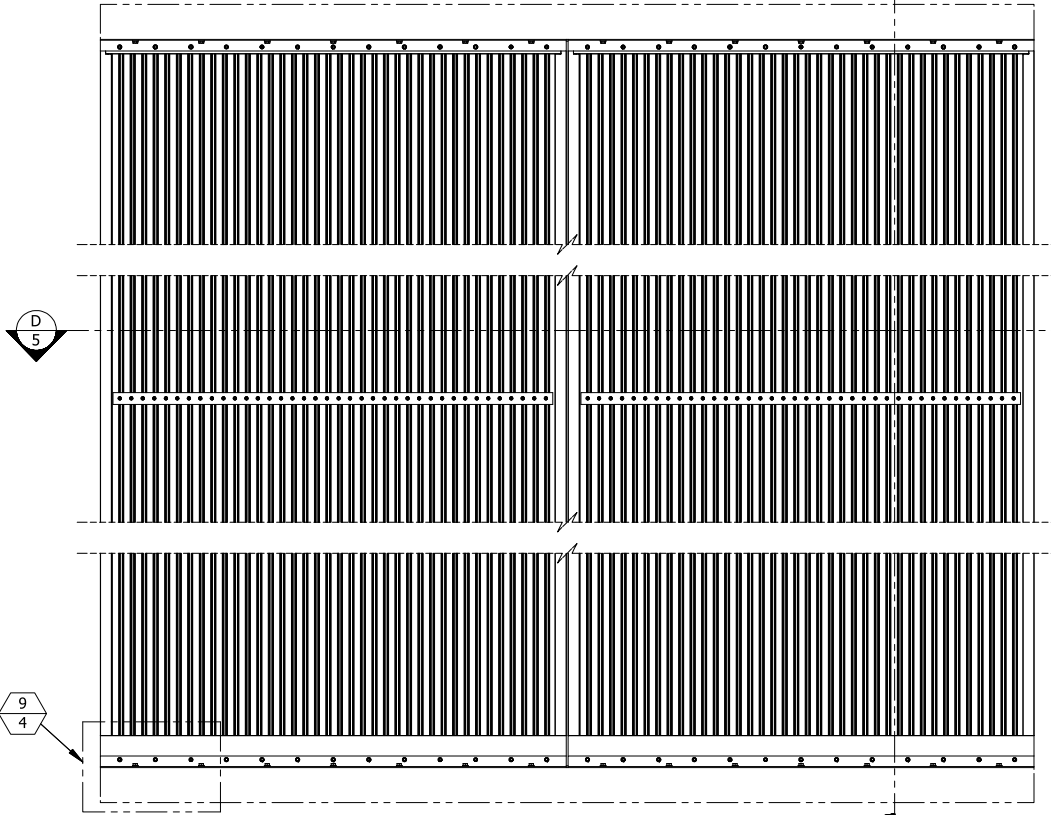
ECV-545-MD NOA

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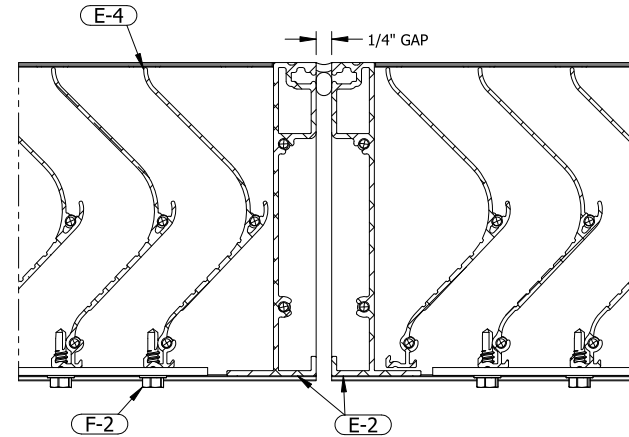


HORIZONTAL SECTION
SCALE: 3/4"=1'-0"
MULTI-WIDE ASSEMBLY
SHEET 5



INTERIOR ELEVATION
QUANTITY OF SECTIONS WIDE IS UNLIMITED

MULTI-SECTION WIDE INSTALLATION



SECTION DETAIL
SCALE: 6"=1'-0"
VERTICAL MULLION
SHEET 5

QUANTITY OF SECTIONS WIDE IS UNLIMITED

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **21-1122.08**

Approval Date **01/20/2022**

By *[Signature]*
Miami-Dade Product Control

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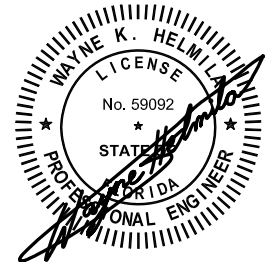
By *[Signature]*
Miami-Dade Product Control

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



11/23/2021
COA: 9090

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

POTTORFF

THIRD ANGLE PROJECTION



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

DRAWING DESCR:

MULTI-SECTION WIDE INSTALLATION

PROJECT: ECV-545-MD

PROJ. MGR.: BEN FORD

DATE: 9/10/2021

SHEET: 5 of 8

CHK'D BY: LGH

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

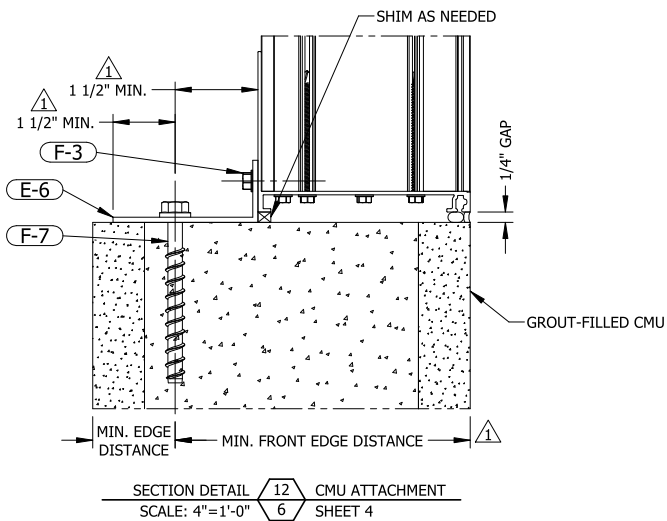
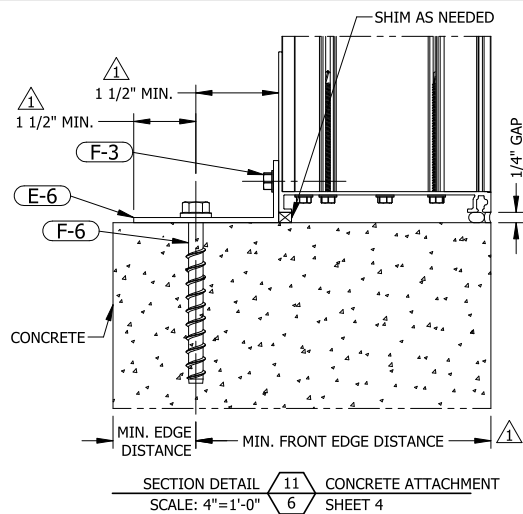
DRAWN BY: JMR

DRAWING NUMBER

ECV-545-MD NOA

1	UPDATE PER RICE COMMENTS	11/3/2021	JMR
0	INITIAL RELEASE	9/15/2021	JMR
REV.	DESCRIPTION	DATE	DRAWN BY

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ANCHOR CENTERS MAY BE LOCATED NO CLOSER THAN 1-1/4" TO A VERTICAL (HEAD) JOINT IN THE MASONRY.

TABLE 3 - ANCHOR SCHEDULE, CONCRETE - CMU												
SUBSTRATE			ANCHOR					MIN. EMBEDMENT	MIN. FRONT EDGE DISTANCE	ANGLE HOLE MAX.	SUBSTRATE HOLE, MAX.	
TYPE	MATERIAL MIN.	THICKNESS MIN.	TYPE	MAT'L	DIA.	MAX. SECTION HEIGHT	MAX. SPACING					MIN. EDGE DISTANCE
CRACKED CONCRETE (F-6)	3 KSI	VARIES WITH SIZE OF FASTENER USED 1	DEWALT SCREW-BOLT+	COATED STEEL	1/4	72	6	1 5/8	2 1/2	3 1/2	5/16	1
						120	3	2		2 1/2		
			GALV STEEL	72	9	2 1/4	3 1/2	7/16				
				120	6		5 1/2					
GROUT-FILLED CMU (F-7)	2 KSI		ELCO AGGRE-GATOR	300 SS	1/4	72	6 3/4	2	2	6 3/4	1/4	
			ELCO AGGRE-GATOR				4			4		
			DEWALT SCREW-BOLT+	COATED STEEL	1/4	120	3	1 1/2	2 1/2	2	5/16	
				GALV STEEL					3 1/4			
		COATED STEEL		1/4	72	3 3/4	2 1/2		1 1/2	5/16		
		GALV STEEL					3/8			5	3 1/4	7/16

- NOTES:
- 1 SEE FASTENER MANUFACTURERS INSTRUCTION.
 2. UNLESS FASTENERS ARE 300 SS OR GALV., SEAL FASTENERS ATTACHING TO THE SUBSTRATE WITH LIQUID PROSOCO FLASHING OR EQUAL.

INSTALLATION DETAILS

CONCRETE - CMU

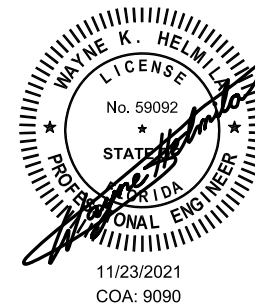
PRODUCT REVISED
As complying with the Florida Building Code
NOA-No. **23-1215.14**
Expiration Date: **01/20/2027**
By: *Manuel Perez*
Miami-Dade Product Control

PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. **21-1122.08**
Approval Date **01/20/2022**

By: *Rice*
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



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
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THIRD ANGLE PROJECTION

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

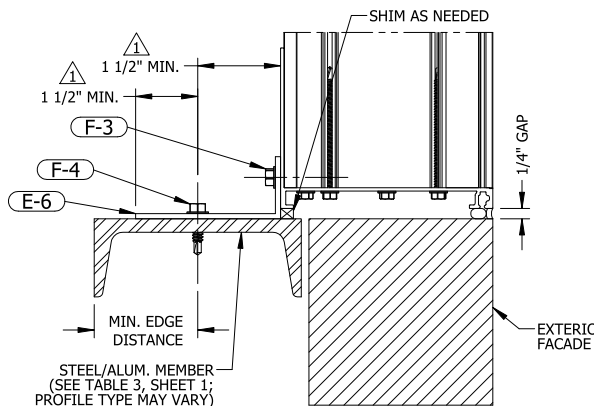
DRAWING DESCR:
INSTALLATION DETAILS, CONCRETE - CMU

PROJECT: ECV-545-MD

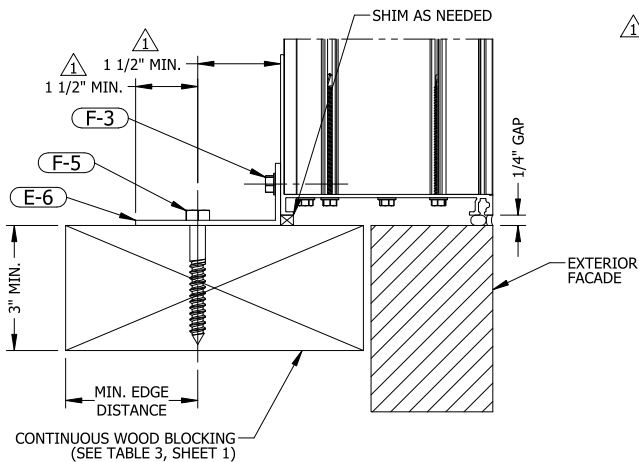
PROJ. MGR.: BEN FORD	DRAWN BY: JMR
DATE: 9/10/2021	CHK'D BY: LGH
SHEET: 6 of 8	SCALE: AS NOTED
DRAWING NUMBER ECV-545-MD NOA	

REV.	DESCRIPTION	DATE	DRAWN BY
1	UPDATE PER RICE COMMENTS	11/3/2021	JMR
0	INITIAL RELEASE	9/15/2021	JMR

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SECTION DETAIL 13 6 STEEL/ALUM. ATTACHMENT
SCALE: 4"=1'-0" SHEET 4



SECTION DETAIL 14 6 WOOD ATTACHMENT
SCALE: 4"=1'-0" SHEET 4

INSTALLATION DETAILS WOOD - STEEL/ALUM.

TABLE 4 - ANCHOR SCHEDULE, WOOD - STEEL/ALUM.													
SUBSTRATE			ANCHOR										
TYPE	MATERIAL MIN.	THICKNESS MIN.	TYPE	MAT'L	DIA.	MAX. SECTION HEIGHT	MAX. SPACING	MIN. EDGE DISTANCE	MIN. EMBEDMENT	MIN. WASHER / FLANGE	ANGLE HOLE MAX.	SUBSTRATE HOLE, MAX.	
WOOD (F-5)	S.G. ≥ 0.42	3	LAG SCREW	① ②	1/4	120	3	1	2 7/8	N/A	1/4	③	
					3/8		4	1 1/2					
STEEL (F-4)	50 KSI	16 GA	1/4-20 SELF DRILLING SCREWS	① ②	1/4	72	6	1 1/2	SEE GAUGE VALUE	N/A	5/16		
	A36	1/8				120	4 3/4						
						72	9						
	50 KSI	16 GA	3/8 DIA. BOLT W/ WASHER	3/8	120	9	3/4 AT NUT	13/32	3/8, NUT CONNECTION ONLY				
ALUMINUM (F-4)	6063-T5	1/8	1/4-20 SELF DRILLING SCREWS	① ②	1/4	72	6	1 1/2	1/8	N/A	5/16		
					120	3 3/4							
			3/8 DIA. BOLT W/ WASHER		3/8	72	9						
						120	6						

NOTES:

- LAG SCREWS SHALL HAVE STRENGTHS OF MINIMUM GRADE 1 STEEL, OTHER BOLT AND SCREWS SHALL HAVE STRENGTHS OF MINIMUM GRADE 2 STEEL.
- ALL INSTALLATION FASTENERS AND ANCHORS SHALL BE OF CORROSION-RESISTANT STEEL.
- SEE FASTENER MANUFACTURERS INSTRUCTION.
- UNLESS FASTENERS ARE 300 SS OR GALV., SEAL FASTENERS ATTACHING TO THE SUBSTRATE WITH LIQUID PROSOCO FLASHING OR EQUAL.

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-1215.14**
Expiration Date: **01/20/2027**
By: *Manuel Fern*
Miami-Dade Product Control

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **21-1122.08**
Approval Date **01/20/2022**
By: *Rice*
Miami-Dade Product Control

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

P.E. STAMP



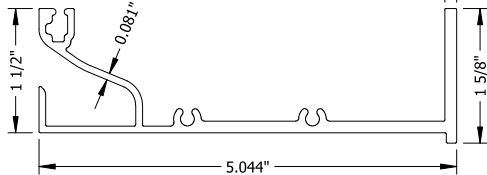
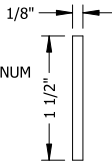
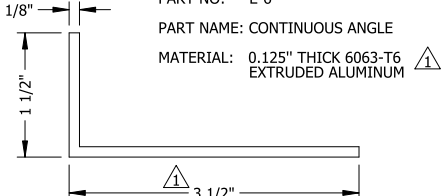
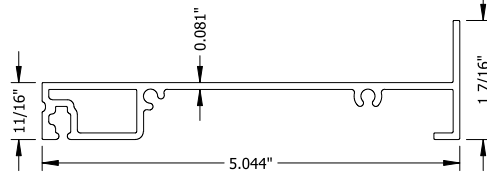
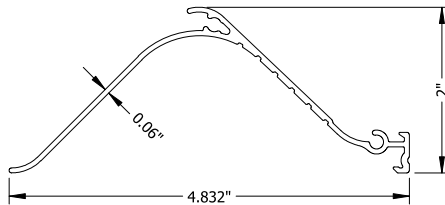
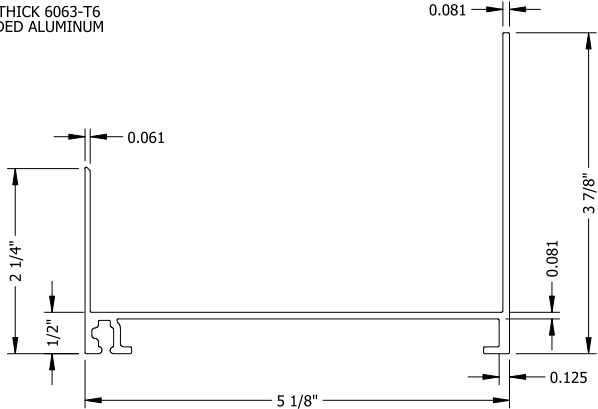
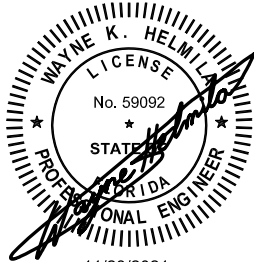
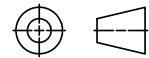
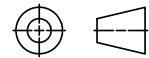
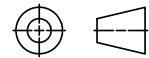
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ANGLE ±1°
FRACTION ±1/16
MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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

DRAWING DESCR:
INSTALLATION DETAILS, WOOD - STEEL/ALUM.
PROJECT: ECV-545-MD
PROJ. MGR.: BEN FORD
DATE: 9/10/2021
SHEET: 7 of 8
CHK'D BY: LGH
SCALE: AS NOTED
DRAWN BY: JMR
DRAWING NUMBER
ECV-545-MD NOA

1	UPDATE PER RICE COMMENTS	11/3/2021	JMR
0	INITIAL RELEASE	9/15/2021	JMR
REV.	DESCRIPTION	DATE	DRAWN BY

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<p>PART NO: E-1</p> <p>PART NAME: FRAME HEAD</p> <p>MATERIAL: 0.081" THICK 6063-T6 EXTRUDED ALUMINUM</p> 	<p>PART NO: E-5</p> <p>PART NAME: STIFFENER</p> <p>MATERIAL: 0.125" THICK 5052-H32 SHEET ALUMINUM</p> 	<p>PART NO: E-6</p> <p>PART NAME: CONTINUOUS ANGLE</p> <p>MATERIAL: 0.125" THICK 6063-T6 EXTRUDED ALUMINUM</p> 	BILL OF MATERIALS																																																
<p>PART NO: E-2</p> <p>PART NAME: FRAME JAMB</p> <p>MATERIAL: 0.081" THICK 6063-T6 EXTRUDED ALUMINUM</p> 	<p>PART NO: E-4</p> <p>PART NAME: BLADE</p> <p>MATERIAL: 0.06" THICK 6063-T6 EXTRUDED ALUMINUM</p> 																																																		
<p>PART NO: E-3</p> <p>PART NAME: FRAME BAFFLE-SILL COMBO</p> <p>MATERIAL: 0.081" THICK 6063-T6 EXTRUDED ALUMINUM</p> 	<table><thead><tr><th colspan="2">MISCELLANEOUS FASTENERS</th></tr><tr><th>PART NO.</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>F-1</td><td>#10-16 X 3" LONG, HWH, 410 SST, TEK SELF-DRILLING SCREW</td></tr><tr><td>F-2</td><td>#12-14 X 3/4" LONG, HWH, 410 SST, TEK SELF-DRILLING SCREW</td></tr><tr><td>F-3</td><td>1/4"-20 X 1" LONG, HWH, 18-8 SST, TEK SELF-DRILLING SCREW</td></tr></tbody></table> <div><div><p>PRODUCT REVISED As complying with the Florida Building Code NOA-No. 23-1215.14 Expiration Date: 01/20/2027 By: <i>Manuel Perez</i> Miami-Dade Product Control</p></div><div><p>PRODUCT APPROVED as complying with the Florida Building Code NOA-No. 21-1122.08 Approval Date 01/20/2022 By: <i>Wayne K. Helmila</i> Miami-Dade Product Control</p></div></div> <div><p>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></div> <div><p>P.E. STAMP</p></div>			MISCELLANEOUS FASTENERS		PART NO.	DESCRIPTION	F-1	#10-16 X 3" LONG, HWH, 410 SST, TEK SELF-DRILLING SCREW	F-2	#12-14 X 3/4" LONG, HWH, 410 SST, TEK SELF-DRILLING SCREW	F-3	1/4"-20 X 1" LONG, HWH, 18-8 SST, TEK SELF-DRILLING SCREW																																						
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