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

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

NOTICE OF ACCEPTANCE (NOA)

PCI Industries Inc. 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 ECV-345-MD Aluminum Louver – L.M.I.

APPROVAL DOCUMENT: Drawing No. **ECV-345-MD NOA**, titled "ECV-345-MD", sheets 1 through 7 of 7, with revision **1** dated 05/05/20, 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. 20-0526.07** 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 **Manuel Perez, P.E.**

8/16/21

NOA No. 20-1222.04
Expiration Date: July 23, 2025
Approval Date: August 26, 2021

PCI Industries Inc. dba All-Lite Arch. Products

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. 20-0526.07)

2. Drawing No. **ECV-345-MD NOA**, titled "ECV-345-MD", sheets 1 through 7 of 7, with revision **1** dated 05/05/20, prepared by the manufacturer, signed and sealed by Wayne K. Helmila, P.E.
(Submitted under NOA No. 20-0526.07)

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 installation diagram of Model ECV-345-MD Aluminum Louvers, prepared by UL, LLC, Test Report No. **SV030902-20200224-A**, dated 03/16/20, signed and sealed by Alexis Spyrou, P.E.
(Submitted under NOA No. 20-0526.07)

2. Test Report on High Velocity Wind Driven Rain Resistance per AMCA 550-15 of a Model ECV-345 Vertical Aluminum Louver, prepared by Intertek, Test Report No. **K4423.01-801-44 R0,** dated 03/20/20, signed and sealed by Tyler Westerling, P.E.
(Submitted under NOA No. 20-0526.07)

3. Test Report on Wind Driven Rain Resistance per TAS 100(A)-95 of a Model ECV-345 Vertical Aluminum Louver, prepared by Intertek, Test Report No. **K4423.03-801-44 R0,** dated 04/13/20, signed and sealed by Tyler Westerling, P.E
(Submitted under NOA No. 20-0526.07)

C. CALCULATIONS

1. ECV-345-MD louver structural calculations dated 05/04/20, prepared by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-1222.04
Expiration Date: July 23, 2025
Approval Date: August 26, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

F. STATEMENTS

1. Statement letter of code conformance to the **FBC 6th Edition (2017)** issued by Rice Engineering, dated 04/26/20, signed and sealed by Wayne K. Helmila, P.E.
(Submitted under NOA No. 20-0526.07)

2. Statement letter of no financial interest issued by Rice Engineering, dated 05/01/20, signed and sealed by Wayne K. Helmila, P.E.
(Submitted under NOA No. 20-0526.07)

G. OTHERS

1. None.

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 code conformance to the **7th edition (2020) FBC** and no financial interest, issued by Rice Engineering, dated 03/05/21, signed and sealed by Wayne K. Helmila, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0526.07**, issued to PCI Industries Inc. dba All-Lite Arch. Products for their Model ECV -345-MD Aluminum Louver, approved on 07/23/20 and expiring on 07/23/25.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 20-1222.04
Expiration Date: July 23, 2025
Approval Date: August 26, 2021

NOTES:

1. THIS NOA DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES OF ±100 PSF AS TESTED IN ACCORDANCE WITH PROTOCOLS TAS 201 (LEVEL 'D', 50 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.

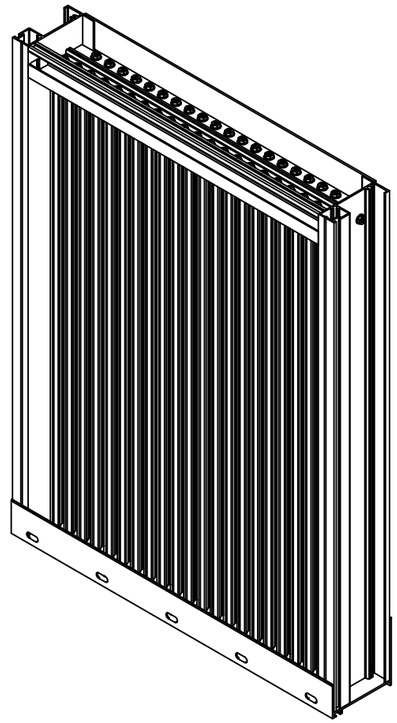

TABLE 1		
SINGLE SECTION SIZE LIMITATIONS		
MAX DESIGN PRESSURE	MIN (W X H)	MAX (W X H)
±100 PSF	12" X 12"	60" X 96"

TABLE 2	
MULTIPLE SECTION SIZE LIMITATIONS (MAX DESIGN PRESSURE: ±100 PSF)	
SINGLE SECTION HIGH - UNLIMITED WIDTH	SEE SHEET 5

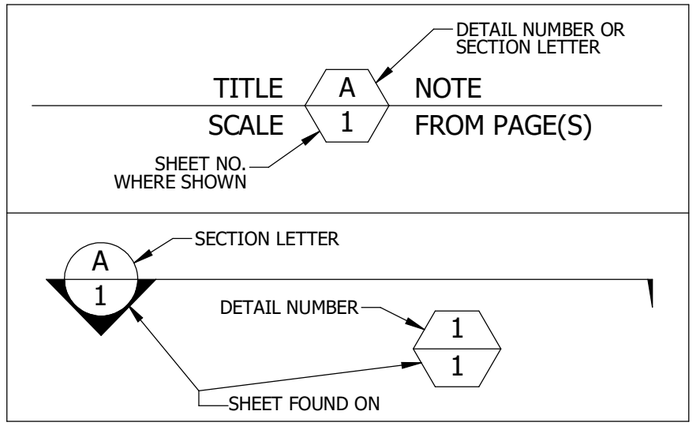

TABLE 3				
ANCHOR SCHEDULE				
SUBSTRATE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	MAX. SPACING
CONCRETE (f'c ≥ 2500 PSI)	3/8" X 4" DEWALT SCREW-BOLT+ (F-3)	3 1/4"	1 1/2"	6"
GROUT-FILLED CMU (f'm ≥ 1500 PSI)	3/8" X 4" DEWALT SCREW-BOLT+ (F-3)	3 1/4"	1 1/2"	4"
STEEL (MIN. 3/16" THICK WITH Fy ≥ 36 KSI, OR MIN. 16 GA. WITH Fy ≥ 50 KSI)	1/4" X 1" SELF-DRILLING SCREW (F-4)	FULL	1"	5"
WOOD (S.G.≥ 0.4)	3/8" X 2 1/2" LAG BOLT WITH FLAT WASHER (F-5)	2 1/4"	1 1/2"	5"

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-1222.04
Expiration Date: 07/23/2025
By: Manuel Perez
Miami–Dade Product Control

PRODUCT APPROVED
as complying with the Florida Building Code
NOA–No. 20-0526.07
Approval Date 07/23/2020
By
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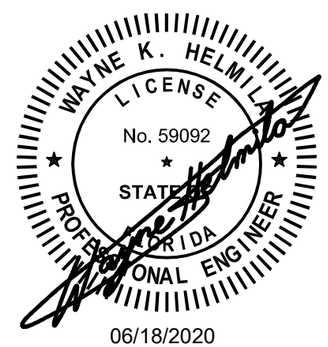
RICE
ENGINEERING
105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com

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

P.E. STAMP



06/18/2020
COA: 9090

REV.	DESCRIPTION	DATE	DRAWN BY
1	INITIAL RELEASE	5/5/2020	NWW

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

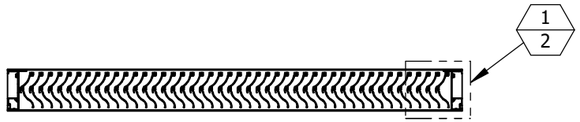
THIRD ANGLE PROJECTION

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

DRAWING DESCR: COVER SHEET
PROJECT: ECV-345-MD
PROJ. MGR.:
DRAWN BY: NWW / JG
DATE: 5/5/2020
CHK'D BY:
SHEET: 1 of 7
SCALE: NONE
DRAWING NUMBER
ECV-345-MD NOA

I:\0 ENGINEERING PROJECTS\LOUVERS\ECV-345-MD NOA\Updated Design (Sep. 2019)\

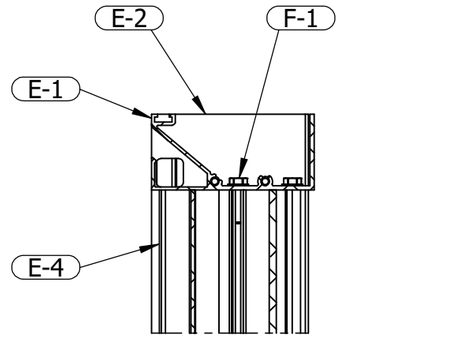
GENERAL LOUVER ASSEMBLY



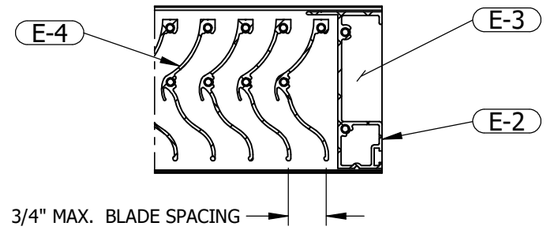
HORIZONTAL SECTION (B/2) GENERAL ASSEMBLY
SCALE: 1"=1' SHEET 2

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

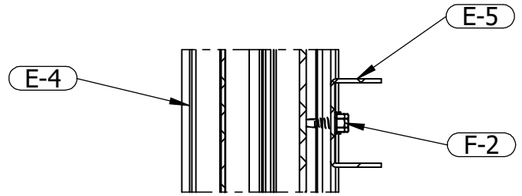
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092



SECTION DETAIL (2/2) FRAME HEAD
SCALE: 1" = 1'-0" SHEET 2

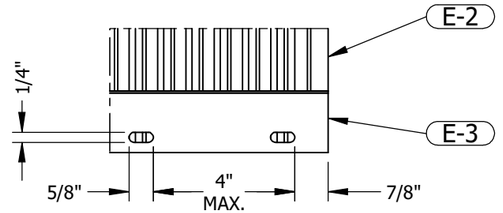


SECTION DETAIL (1/2) FRAME JAMB
SCALE: 1" = 1'-0" SHEET 2

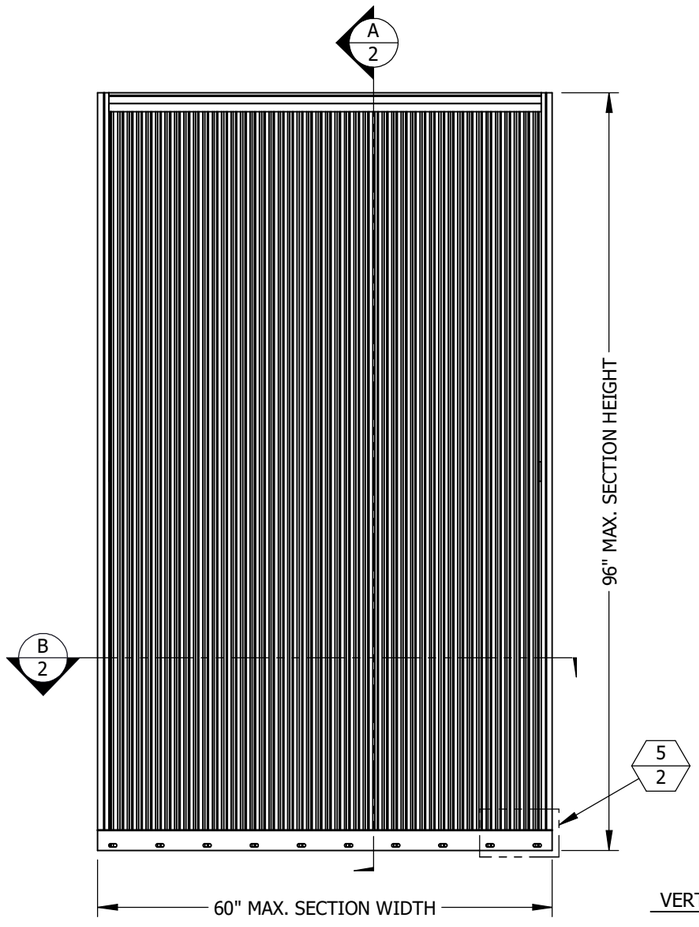


SECTION DETAIL (3/2) STIFFENER
SCALE: 1" = 1'-0" SHEET 2

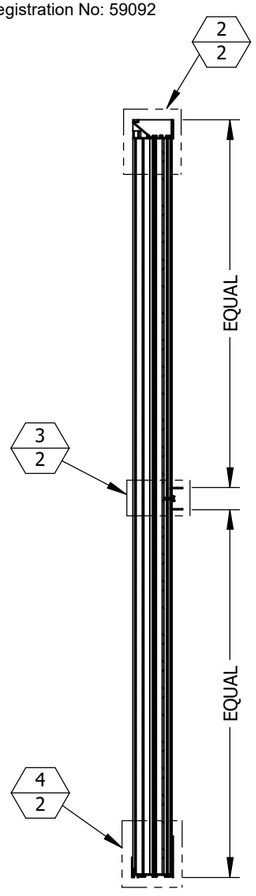
STIFFENER (E-5) AND ASSOCIATED FASTENERS (F-2)
OMITTED IF SECTION HEIGHT ≤ 48"



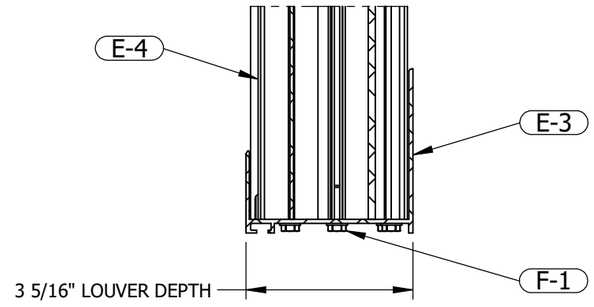
ELEVATION DETAIL (5/2) FRAME SILL
SCALE: 1" = 1'-0" SHEET 2



EXTERIOR ELEVATION

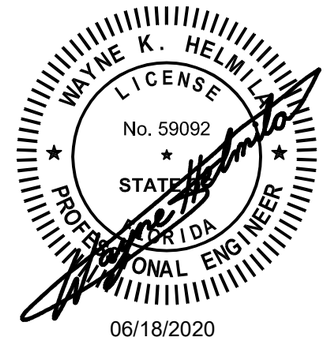


VERTICAL SECTION (A/2) GENERAL ASSEMBLY
SCALE: 1"=1' SHEET 2



SECTION DETAIL (4/2) FRAME SILL
SCALE: 1" = 1'-0" SHEET 2

P.E. STAMP



06/18/2020
COA: 9090

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 20-1222.04
Expiration Date: 07/23/2025
By: Manuel Perez
Miami-Dade Product Control

PRODUCT APPROVED
as complying with the Florida Building Code
NOA-No. 20-0526.07
Approval Date 07/23/2020
By
Miami-Dade Product Control

REV.	DESCRIPTION	DATE	DRAWN BY
1	INITIAL RELEASE	5/5/2020	NWW

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

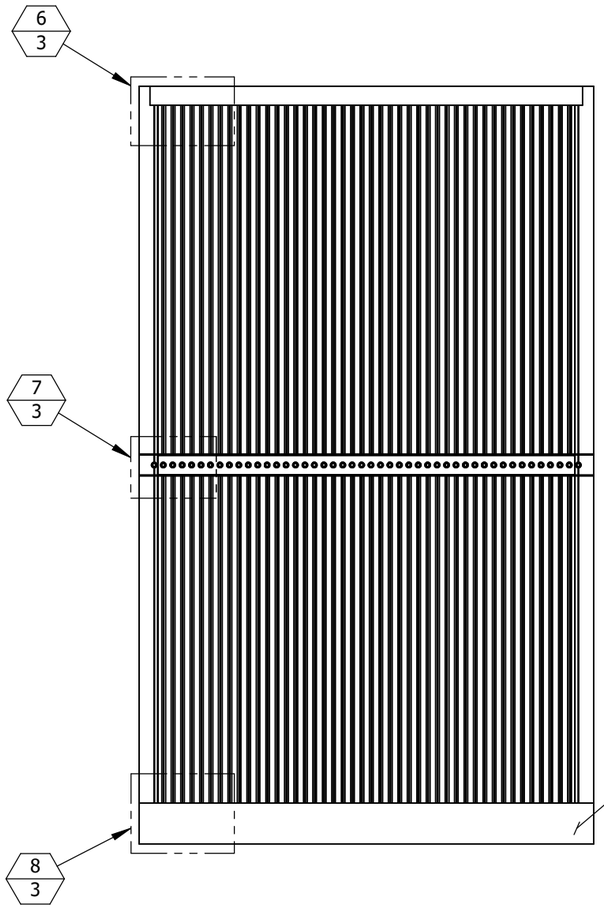
THIRD ANGLE PROJECTION

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

DRAWING DESCR: GENERAL LOUVER ASSEMBLY
PROJECT: ECV-345-MD
PROJ. MGR.:
DRAWN BY: NWW / JG
DATE: 5/5/2020
CHK'D BY:
DRAWING NUMBER: ECV-345-MD NOA
SHEET: 2 of 7
SCALE: 1" = 1'-0"

I:\0 ENGINEERING PROJECTS\LOUVERS\ECV-345-MD NOA\Updated Design (Sep. 2019)\

GENERAL LOUVER ASSEMBLY

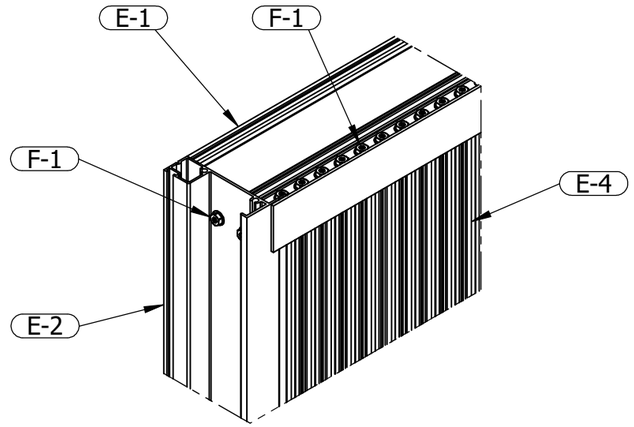


INTERIOR ELEVATION

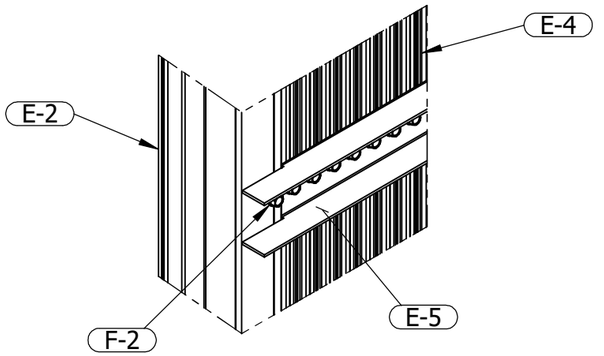
ENGRAVED LABEL DETAIL

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

Miami Dade County
Product Control
Approved

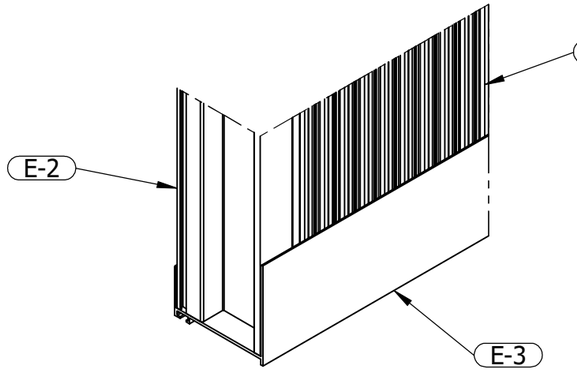


ASSEMBLY DETAIL 6/3 UPPER CORNER
SCALE: 3"=1' SHEET 3



ASSEMBLY DETAIL 7/3 STIFFENER
SCALE: 3"=1' SHEET 3

STIFFENER (E-5) AND ASSOCIATED FASTENERS (F-2)
OMITTED IF SECTION HEIGHT ≤ 48"



ASSEMBLY DETAIL 8/3 LOWER CORNER
SCALE: 3"=1' SHEET 3

P.E. STAMP

WAYNE K. HELMILA
LICENSE
No. 59092
STATE OF FLORIDA
PROFESSIONAL ENGINEER

06/18/2020
COA: 9090

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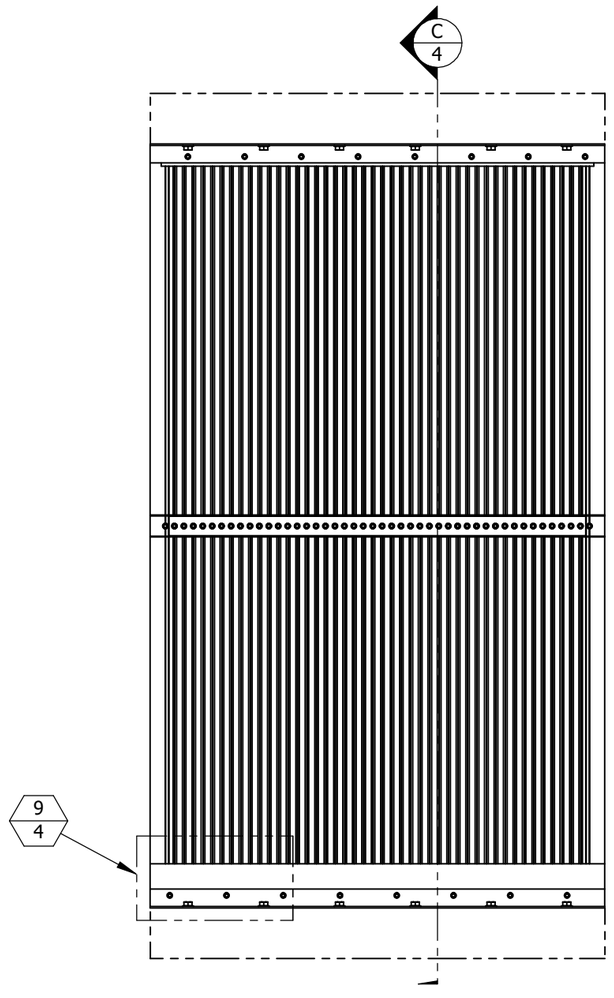
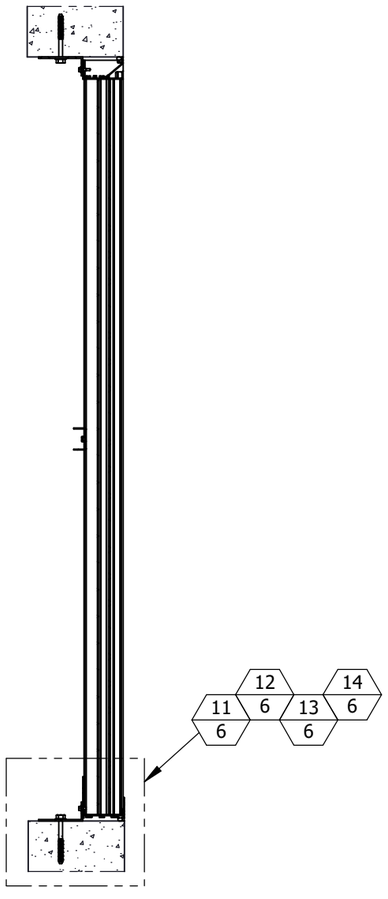
PROJECT: ECV-345-MD		
PROJ. MGR.:		DRAWN BY: NWW / JG
DATE: 5/5/2020	CHK'D BY:	DRAWING NUMBER
SHEET: 3 of 7	SCALE: 1"=1'-0"	ECV-345-MD NOA

I:\0 ENGINEERING PROJECTS\LOUVERS\ECV-345-MD NOA\Updated Design (Sep. 2019)\

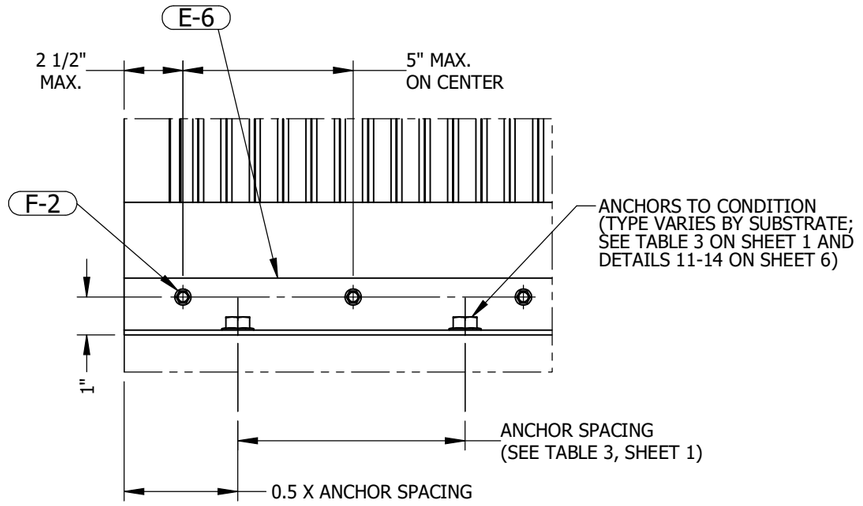
SINGLE-SECTION INSTALLATION



INTERIOR ELEVATION

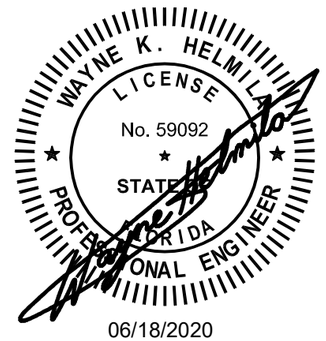


VERTICAL SECTION 1"= 1'-0" — C/4 — LOUVER INSTALLATION, SHEETS 4 & 5



ELEVATION DETAIL 3" = 1'-0" — 9/4 — TOP & BTM ATTACHMENT, SHEETS 4 & 5

P.E. STAMP



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Florida Firm No: F-01000005061
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Wayne K. Helmila
Registration No: 59092

REV.	DESCRIPTION	DATE	DRAWN BY
1	INITIAL RELEASE	5/5/2020	NWW

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X.XX ±0.030
X.XXX ±0.010
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FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

PCI INDUSTRIES DOING BUSINESS AS
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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: SINGLE-SECTION INSTALLATION
PROJECT: ECV-345-MD
PROJ. MGR.:
DRAWN BY: NWW / JG
DATE: 5/5/2020
CHK'D BY:
DRAWING NUMBER: ECV-345-MD NOA
SHEET: 4 of 7
SCALE: 1"=1'-0"

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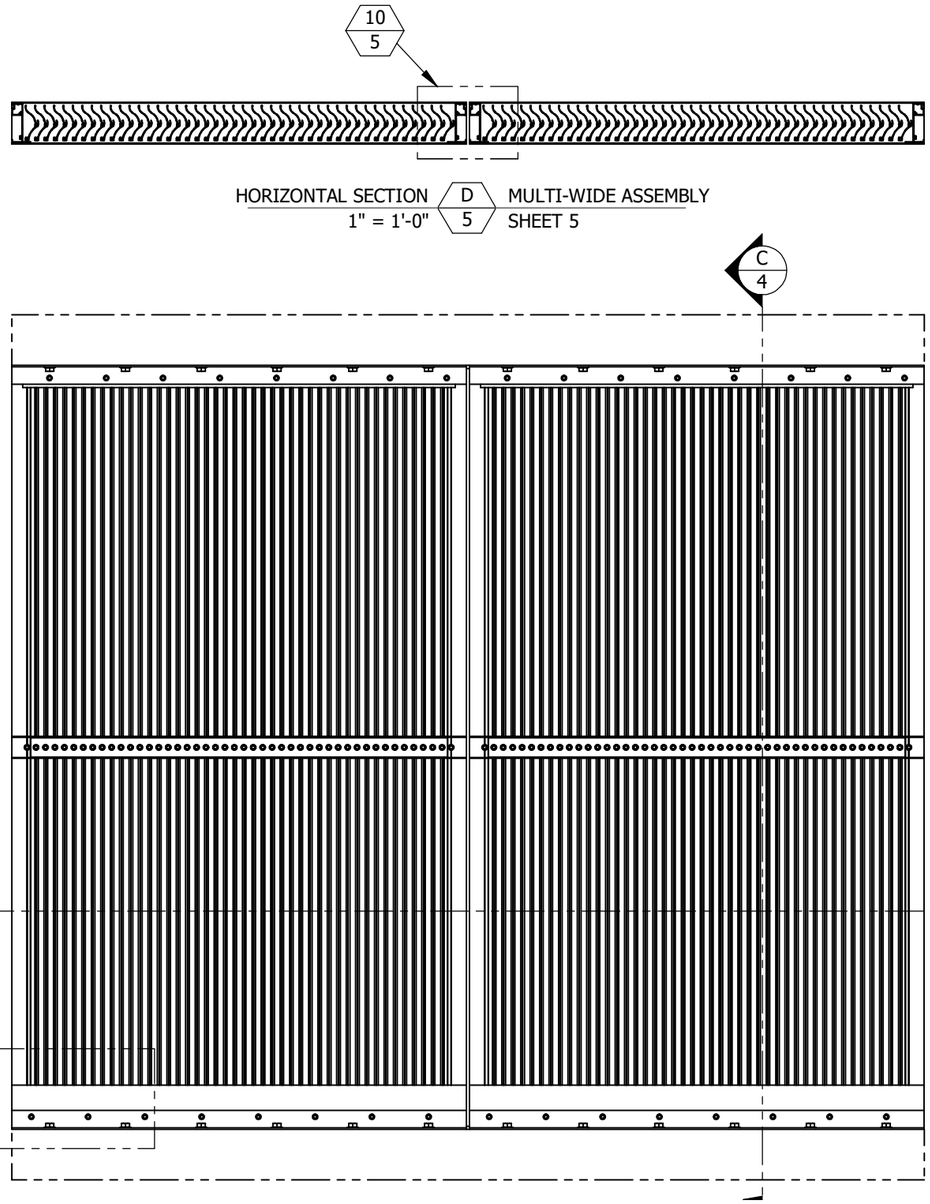
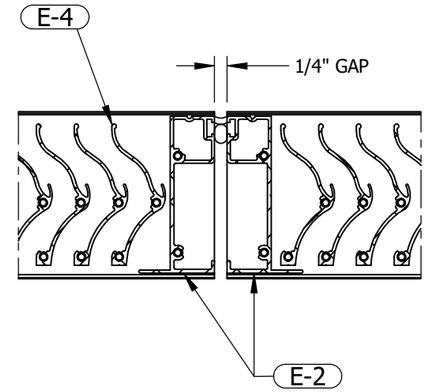
MULTI-SECTION WIDE INSTALLATION



HORIZONTAL SECTION D 5 MULTI-WIDE ASSEMBLY
1" = 1'-0" SHEET 5

INTERIOR ELEVATION
QUANTITY OF SECTIONS WIDE IS UNLIMITED



SECTION DETAIL 10 5 VERTICAL MULLION
4" = 1'-0" SHEET 5

QUANTITY OF SECTIONS WIDE IS UNLIMITED

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 20-1222.04
Expiration Date: 07/23/2025
By: Manuel Perez
Miami–Dade Product Control

PRODUCT APPROVED
as complying with the Florida Building Code
NOA–No. 20-0526.07
Approval Date 07/23/2020
By
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

WAYNE K. HELMILA
LICENSE
No. 59092
STATE OF FLORIDA
PROFESSIONAL ENGINEER

06/18/2020
COA: 9090

REV.	DESCRIPTION	DATE	DRAWN BY
1	INITIAL RELEASE	5/5/2020	NWW

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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ARCHITECTURAL PRODUCTS

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-345-MD
PROJ. MGR.:
DRAWN BY: NWW / JG
DATE: 5/5/2020
CHK'D BY:
SHEET: 5 of 7
SCALE: 1"=1'-0"
DRAWING NUMBER
ECV-345-MD NOA

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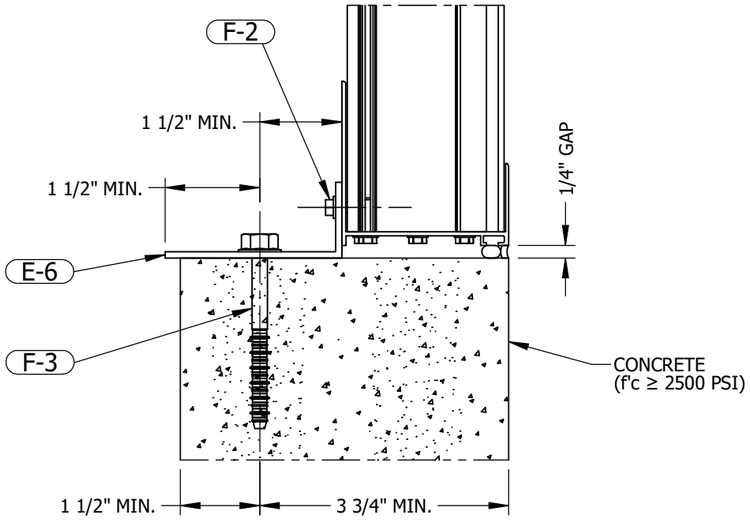
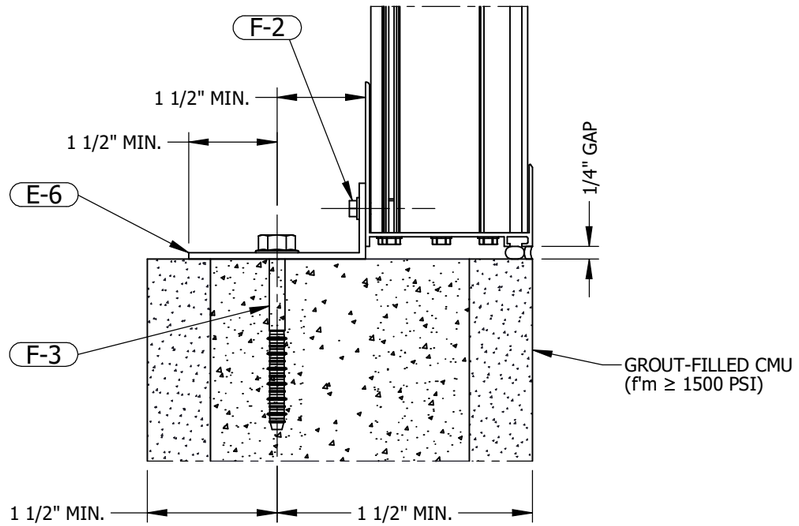
INSTALLATION DETAILS

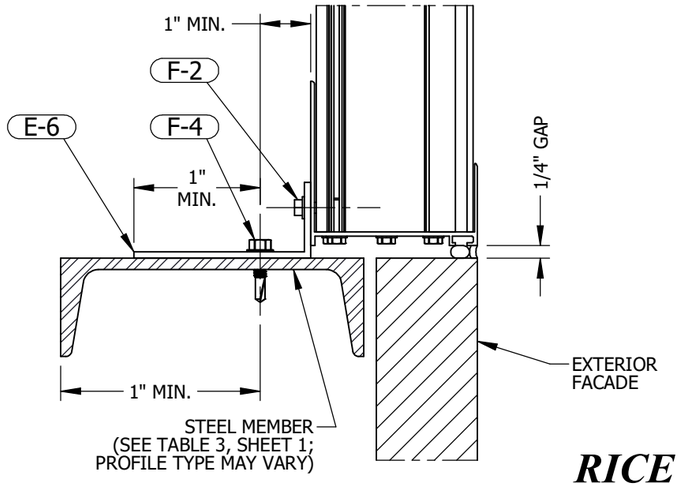


SECTION DETAIL 11/6 CONCRETE ATTACHMENT
4" = 1'-0" SHEET 4

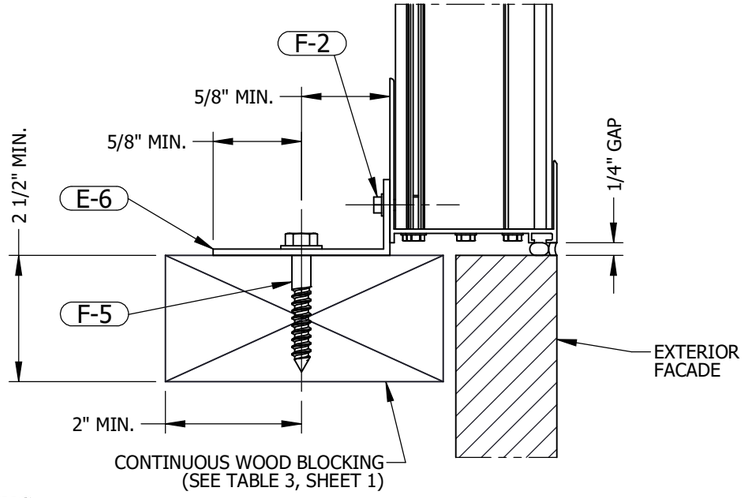


SECTION DETAIL 12/6 CMU ATTACHMENT
4" = 1'-0" SHEET 4

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



SECTION DETAIL 13/6 STEEL ATTACHMENT
4" = 1'-0" SHEET 4



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

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DRAWING DESCR: INSTALLATION DETAILS
PROJECT: ECV-345-MD
PROJ. MGR.:
DRAWN BY: NWW / JG
DATE: 5/5/2020
CHK'D BY:
DRAWING NUMBER
SHEET: 6 of 7
SCALE: AS NOTED
ECV-345-MD NOA

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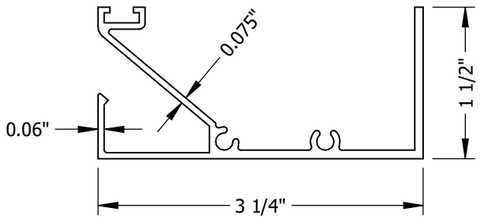
BILL OF MATERIALS

PART NO: E-1

PART NAME: FRAME HEAD

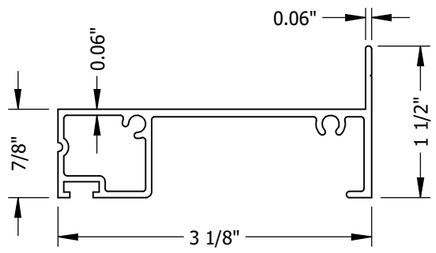
MATERIAL: 0.085'' THICK 6063-T6
EXTRUDED ALUMINUM



PART NO: E-2

PART NAME: FRAME JAMB

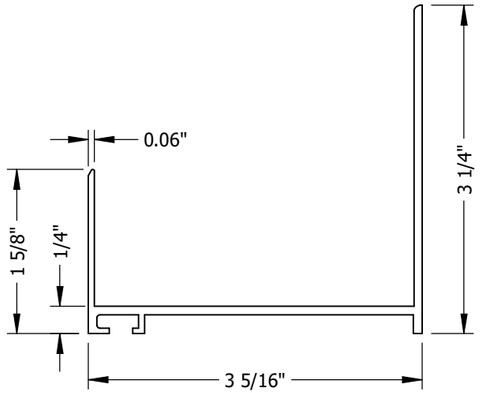
MATERIAL: 0.075'' THICK 6063-T6
EXTRUDED ALUMINUM



PART NO: E-3

PART NAME: FRAME SILL

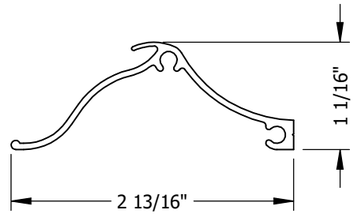
MATERIAL: 0.085'' THICK 6063-T6
EXTRUDED ALUMINUM



PART NO: E-4

PART NAME: BLADE

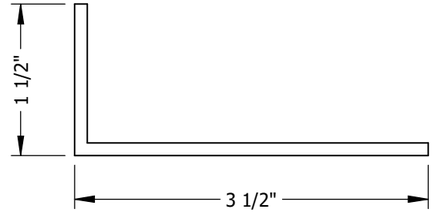
MATERIAL: 0.06" THICK 6063-T5
EXTRUDED ALUMINUM



PART NO: E-6

PART NAME: CONTINUOUS ANGLE

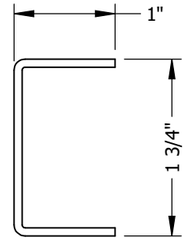
MATERIAL: 0.125" THICK 6063-T6
EXTRUDED ALUMINUM



PART NO: E-5

PART NAME: STIFFENER

MATERIAL: 0.08" THICK 5052-H32
FORMED ALUMINUM



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By:
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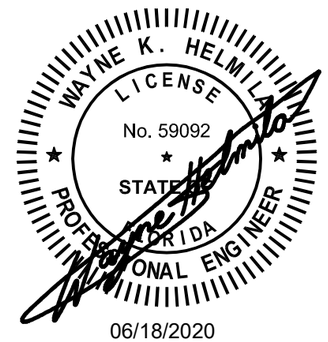
MISCELLANEOUS FASTENERS	
PART NO.	DESCRIPTION
F-1	#10-14 X 1" LONG, HWH, 410 SST, NEEDLE POINT SELF-TAPPING SCREW
F-2	#12-14 X 3/4" LONG, HWH, 410 SST, TEK SELF-DRILLING SCREW
F-3	3/8" X 4" DEWALT SCREW-BOLT+ SCREW ANCHOR, GALV. FINISH
F-4	1/4-14 X 1" LONG SELF-DRILLING SCREW
F-5	3/8" X 2 1/2" LONG LAG BOLT AND FLAT WASHER

P.E. STAMP



06/18/2020
COA: 9090

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BILL OF MATERIALS

PROJECT: ECV-345-MD

PROJ. MGR.:

DRAWN BY: NWW / JG

DATE: 5/5/2020

CHK'D BY:

SHEET: 7 of 7

SCALE: 8"=1'-0"

DRAWING NUMBER
ECV-345-MD NOA

I:\0 ENGINEERING PROJECTS\LOUVERS\ECV-345-MD NOA\Updated Design (Sep. 2019)\