



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 EFD-635-MD Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **EFD-635-MD NOA**, titled "EFD-635-MD", sheets 1 through 16 of 16, prepared by the manufacturer, dated 07/03/2025, signed and sealed by Wayne K. Helmila, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval 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 consists of this page 1 and evidence page E-1, as well as the approval document mentioned above.

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



07/31/25

NOA No. 25-0716.02
Expiration Date: August 7, 2030
Approval Date: August 7, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **EFD-635-MD NOA**, titled “EFD-635-MD”, sheets 1 through 16 of 16, prepared by the manufacturer, dated 07/03/2025, signed and sealed by Wayne K. Helmila, P.E.

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 a Model EFD-635-MD Aluminum Louvers, prepared by Quast Consulting and Testing, Inc., Test Report No. **QCT22-6847.02-R1**, dated 05/12/2023, signed and sealed by Arlen Fisher, P.E.

C. CALCULATIONS

1. EFD-635-MD anchorage, dated 07/11/2025, 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.

F. STATEMENTS

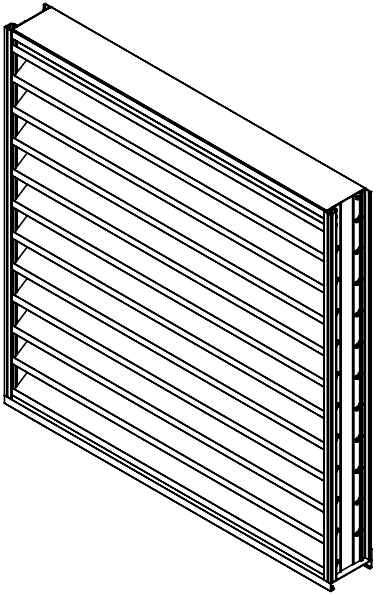
1. Statement letter of code conformance with the 8th edition (2023) of the FBC, issued by Rice Engineering, dated 07/11/2025, signed and sealed by Wayne K. Helmila, P.E.
2. Statement letter of no financial interest, dated 07/11/2025, issued by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E.



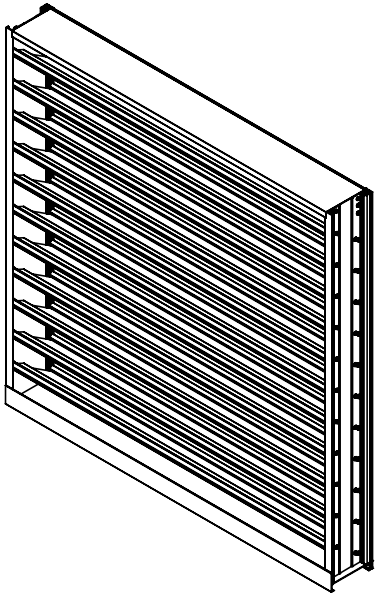
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-0716.02
Expiration Date: August 7, 2030
Approval Date: August 7, 2025

I:\Engineering Library\Engineering Projects\EP 22-11; EFD-635-MD\NOA\ALL-LITE NOA 6-25-25\

- NOTES:
1. THIS NOA DRAWING INCLUDES INSTALLATION DETAILS TO ATTAIN MAXIMUM DESIGN PRESSURES OF 150 PSF AS TESTED IN ACCORDANCE WITH PROTOCOLS TAS 201 (LARGE MISSILE IMPACT - LEVEL 'E', 80 FPS), TAS 202 (STATIC WIND PRESSURE), AND TAS 203 (CYCLIC WIND PRESSURE 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. WATER PENETRATION: THE ROOM BEHIND THE LOUVER MUST BE DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM, AND THE ROOM MUST HOUSE WATER RESISTANT/WATERPROOF 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.



EXTERIOR VIEW



INTERIOR VIEW


PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0716.02
Approval Date 08/07/2025
By 
Miami-Dade Product Control

TABLE 3						
ANCHOR SCHEDULE						
SUBSTRATE	LOCATION	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	SPACING (STANDARD)	SPACING (SHAPES)
CRACKED CONCRETE (f'c ≥ 4000 PSI)	JAMBS	3/8" X 4" DEWALT SCREW-BOLT+ (F-7)**	3 1/4"	1 5/8"	8"	8"
	MULLIONS (TENSION CONNECTION)	5/8" X 4" DEWALT SCREW-BOLT+ (F-8)**	3 1/4"	1 3/4"	7"	--
	MULLIONS (SHEAR CONNECTION)	5/8" X 6" DEWALT SCREW-BOLT+ (F-9)**	5"	5 7/8"	9"	--
GROUT FILLED CMU* (f'm ≥ 1500 PSI)	JAMBS	3/8" X 4" DEWALT SCREW-BOLT+ (F-7)**	3 1/4"	1 1/2" (1 3/4" FOR SHAPES)	5" (SHEAR) 4" (TENSION)	5 1/2"
	MULLIONS	3/8" X 4" DEWALT SCREW-BOLT+ (F-7)**	3 1/4"	1 1/2"	4"	--
STRUCTURAL STEEL (MIN. 3/16" THICK, Fy ≥ 36 KSI)	JAMBS	1/4" X 1" SELF-DRILLING SCREW (F-4)	FULL	1/2"	8"	10"
	MULLIONS	1/4" X 1" SELF-DRILLING SCREW (F-4); TWELVE (12) FASTENERS PER CONNECTION	FULL	1/2"	3/4"	--
STEEL STUD (MIN. 12 GA, Fy ≥ 50 KSI)	JAMBS	1/4" X 1" SELF-DRILLING SCREW (F-4)	FULL	1/2"	8"	10"
	MULLIONS	1/4" X 1" SELF-DRILLING SCREW (F-4); TWELVE (12) FASTENERS PER CONNECTION	FULL	1/2"	3/4"	--
WOOD (S.G. ≥ 0.43)	JAMBS	1/2" X 3 1/2" LAG BOLT (F-1)	3"	2"	9"	10"
	MULLIONS	1/2" X 3 1/2" LAG BOLT (F-1); TWELVE (12) ANCHORS PER CONNECTION	3"	2"	2 1/2"	--

* GROUT FILLED CONCRETE MASONRY CONFORMING TO ASTM C90 TYPE IN MORTAR.
** SEAL DEWALT GALV. SCREW-BOLT+ANCHORS WITH LIQUID PROSCO FLASING OR EQUAL PRODUCT.

RICE
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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

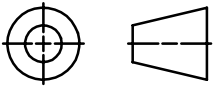
MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

PCI INDUSTRIES DOING BUSINESS AS

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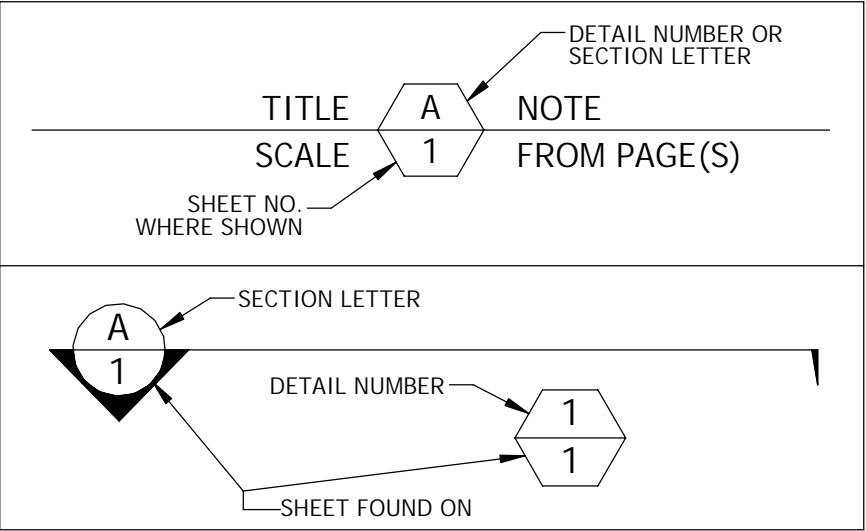
THIRD ANGLE PROJECTION



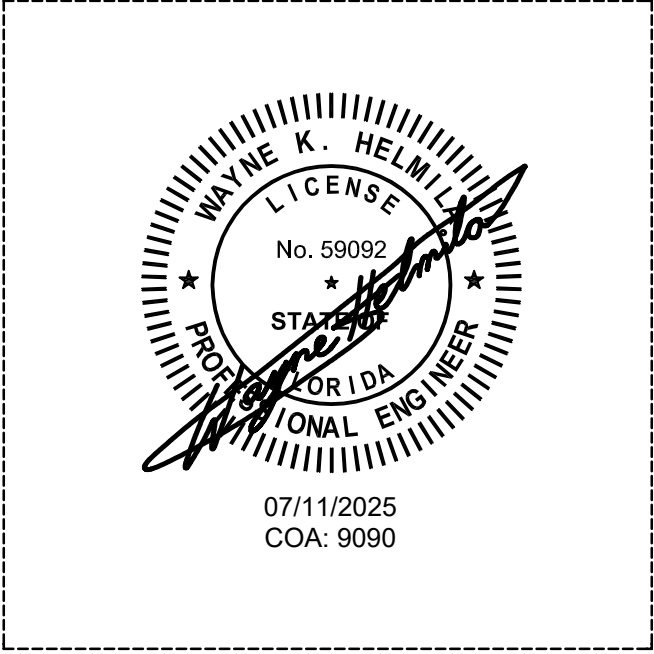
5101 Blue Mound Road
Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

TABLE 1		
SINGLE SECTION SIZE LIMITATIONS		
MAX DESIGN PRESSURE	MIN (W X H)	MAX (W X H)
±150 PSF	12 X 12	60 X 120

TABLE 2		
MULTIPLE SECTION SIZE LIMITATIONS (MAX DESIGN PRESSURE: ±150 PSF)		
SINGLE SECTION HIGH - UNLIMITED WIDTH	SEE SHEET 6	
SINGLE SECTION WIDE - UNLIMITED HEIGHT	SEE SHEET 5	



P.E. STAMP



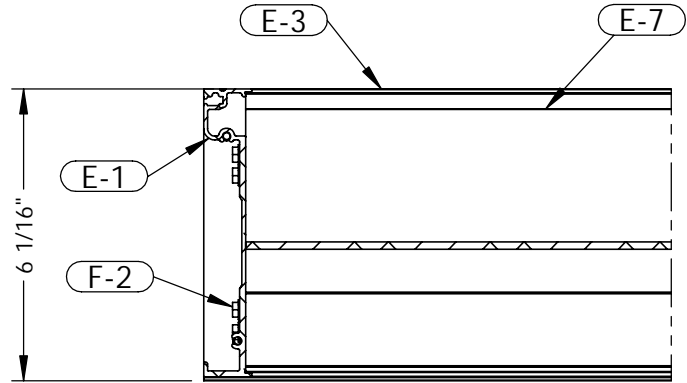
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REV.	DESCRIPTION	DATE	DRAWN BY

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PROJECT: EFD-635-MD		
PROJ. MGR.: BAF	DRAWN BY: JMR	
DATE: 6/25/2025	CHK'D BY: NWW	DRAWING NUMBER EFD-635-MD NOA
SHEET: 1 of 16	SCALE: NTS	

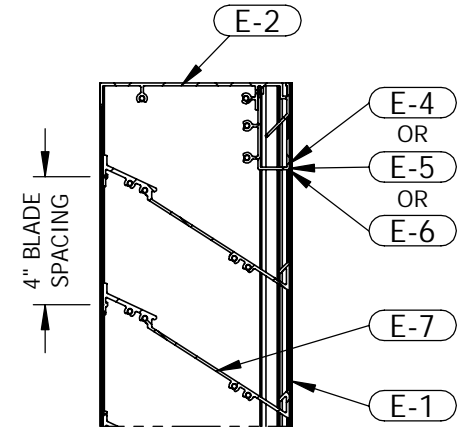
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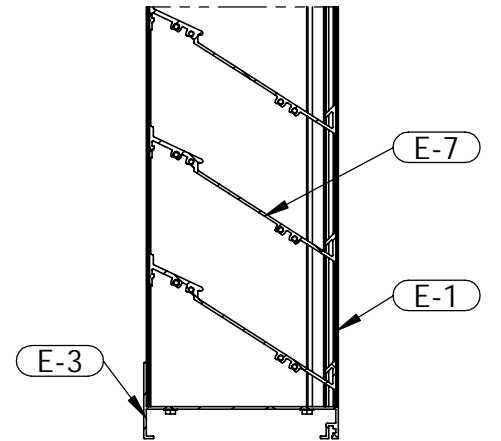
SECTION VIEW B
2 GENERAL ASSEMBLY
1"=1'-0" 2



CONSTRUCTION 1
2 DETAIL
3"=1'-0" 2



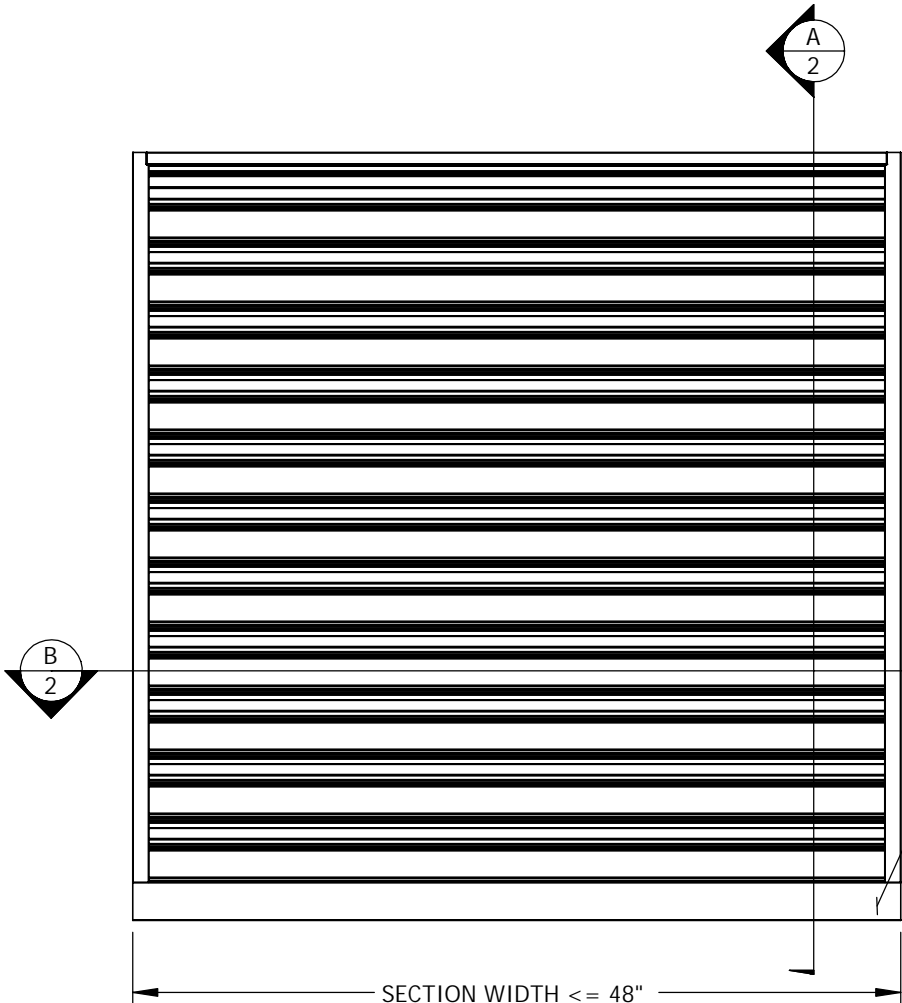
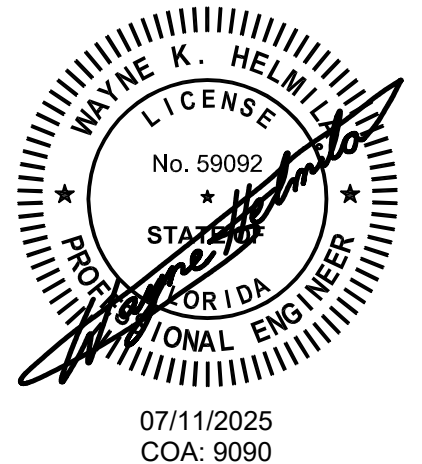
CONSTRUCTION 2
2 DETAIL
2"=1'-0" 2



CONSTRUCTION 3
2 DETAIL
2"=1'-0" 2

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0716.02
Approval Date 08/07/2025
By *[Signature]*
Miami-Dade Product Control

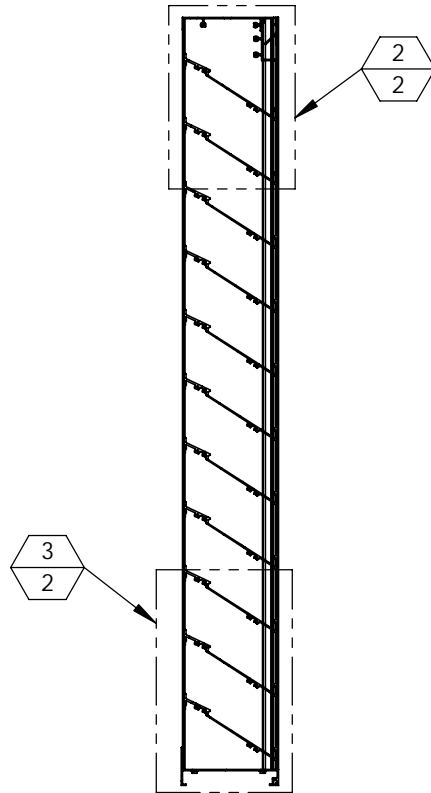
P.E. STAMP



SECTION WIDTH <= 48"
INTERIOR ELEVATION

QTY 4 SCREWS PER
BLADE CONNECTION

ENGRAVED LABEL DETAIL (TYP.)
PCI Industries LLC DBA Miami Dade County
ALL-LITE Product Control
Ft Worth TX Approved
SO #123456



SECTION VIEW A
2 GENERAL ASSEMBLY
1"=1'-0" 2

RICE
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Wayne K. Helmila
Registration No: 59092

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

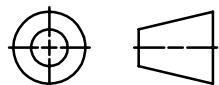
TOLERANCE UNLESS NOTED:

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

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: EFD-635-MD

PROJ. MGR.: BAF

DRAWN BY: JMR

DATE: 6/25/2025

CHK'D BY: NWW

DRAWING NUMBER

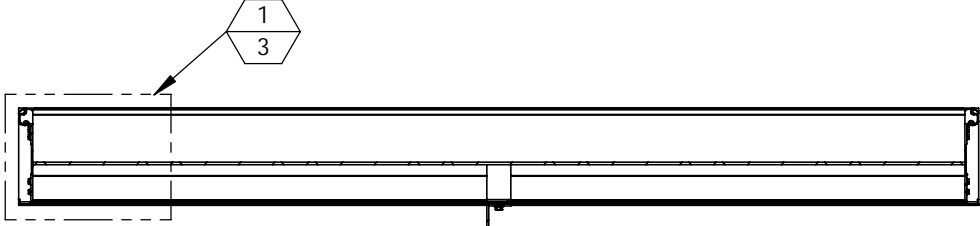
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SCALE: NTS

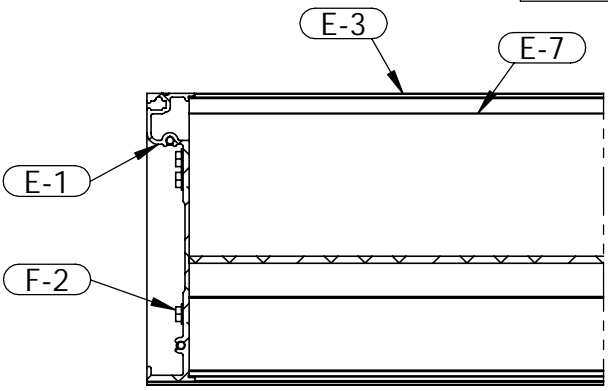
EFD-635-MD NOA

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REV.	DESCRIPTION	DATE	DRAWN BY

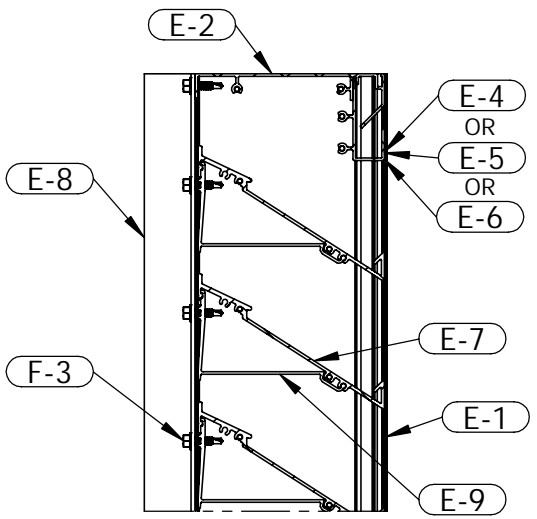
GENERAL LOUVER ASSEMBLY - WITH STIFFENER



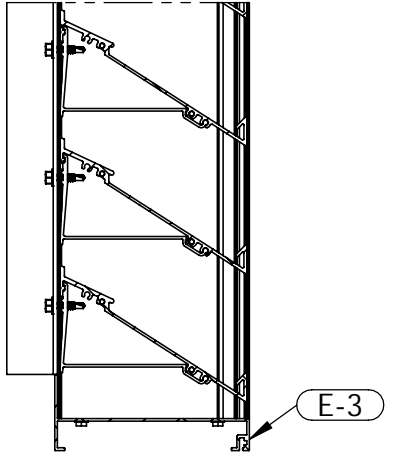
SECTION VIEW Y GENERAL ASSEMBLY
1"=1'-0" 3 3



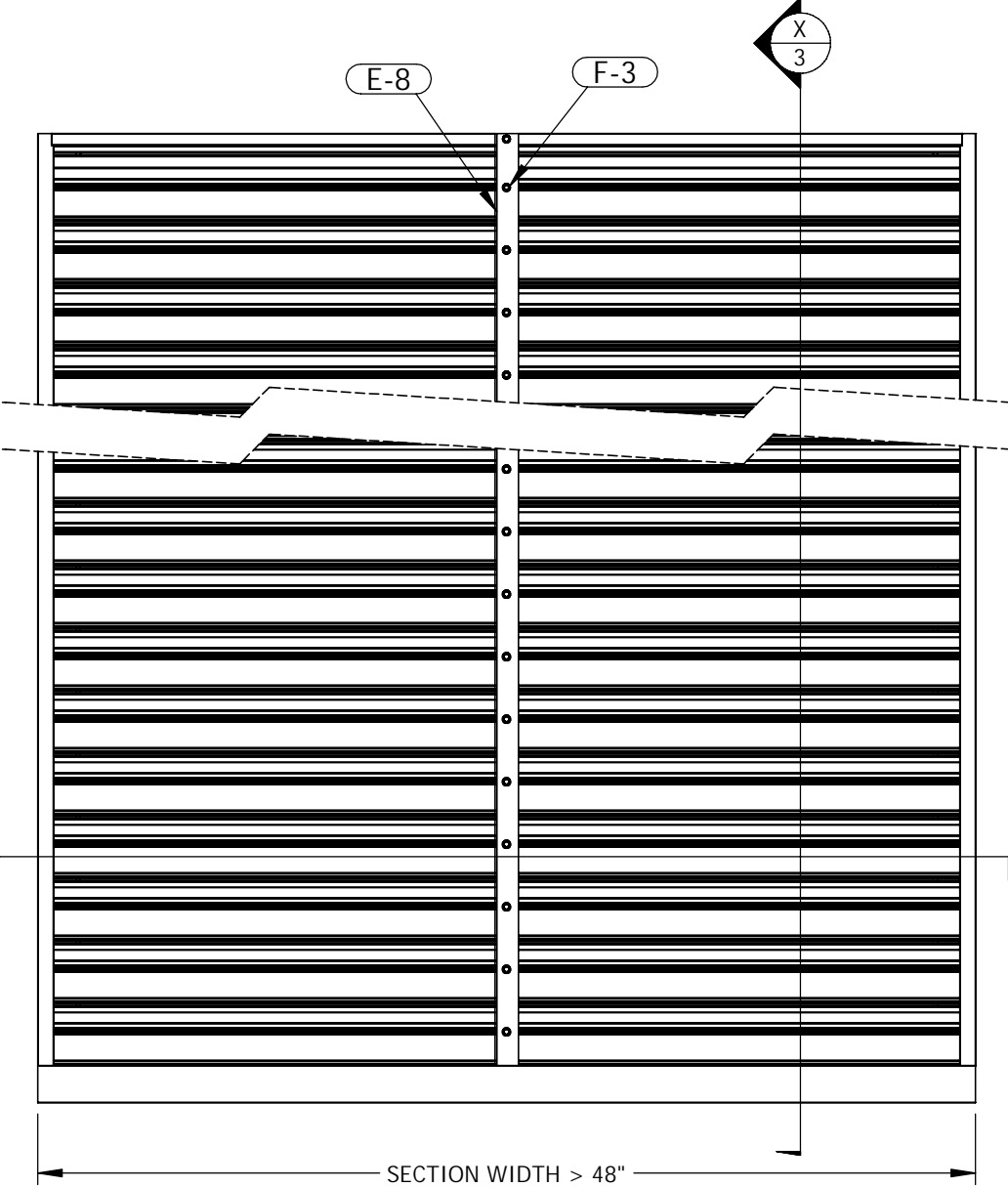
CONSTRUCTION 1 DETAIL
3"=1'-0" 3 3



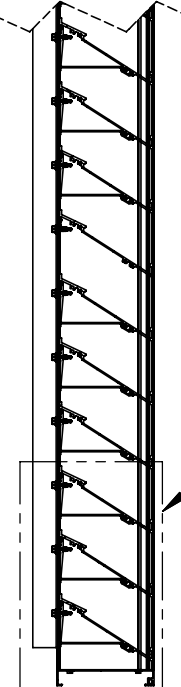
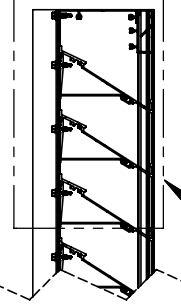
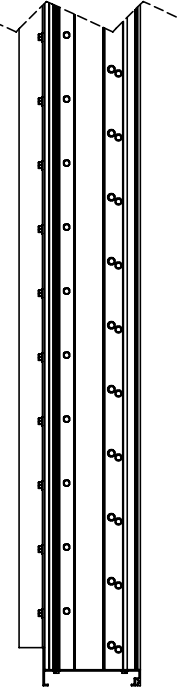
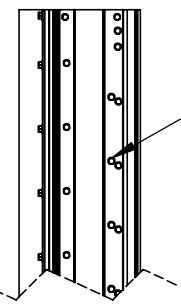
CONSTRUCTION 2 DETAIL
2"=1'-0" 3 3



CONSTRUCTION 3 DETAIL
2"=1'-0" 3 3



INTERIOR ELEVATION



SECTION VIEW X GENERAL ASSEMBLY
1"=1'-0" 3 3

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 25-0716.02
Approval Date 08/07/2025
By *[Signature]*
Miami-Dade Product Control

P.E. STAMP



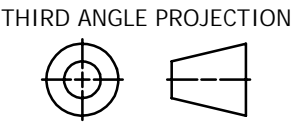
07/11/2025
COA: 9090

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

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Certificate of Authorization: #9090
Wayne K. Helmilt
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
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Fort Worth, Texas 76106
Phone: 817-509-2300
Fax: 817-831-3110

DRAWING DESCR: GENERAL LOUVER ASSEMBLY

PROJECT: EFD-635-MD

PROJ. MGR.: BAF

DRAWN BY: JMR

DATE: 6/25/2025

CHK'D BY: NWW

DRAWING NUMBER

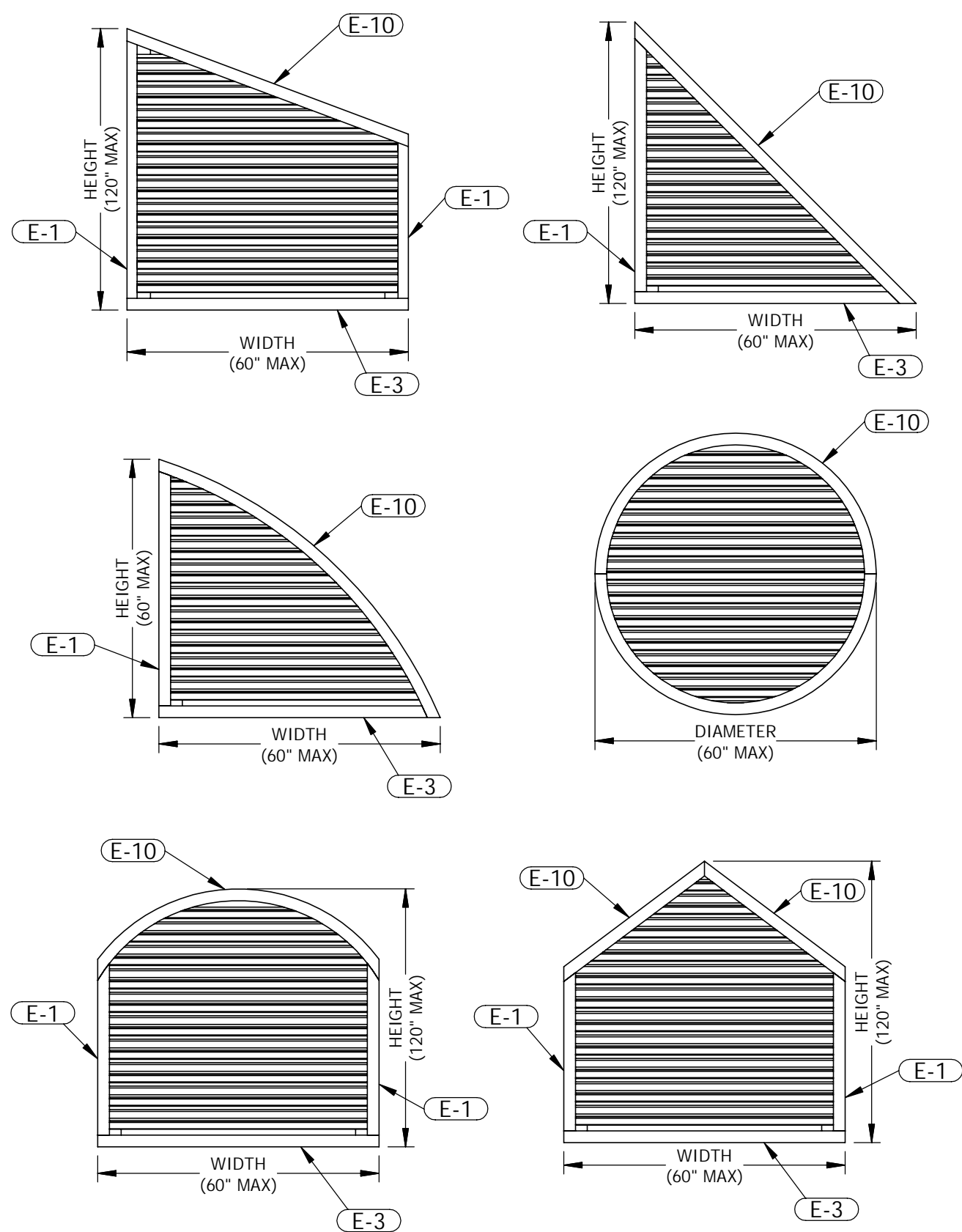
SHEET: 3 of 16

SCALE: NTS

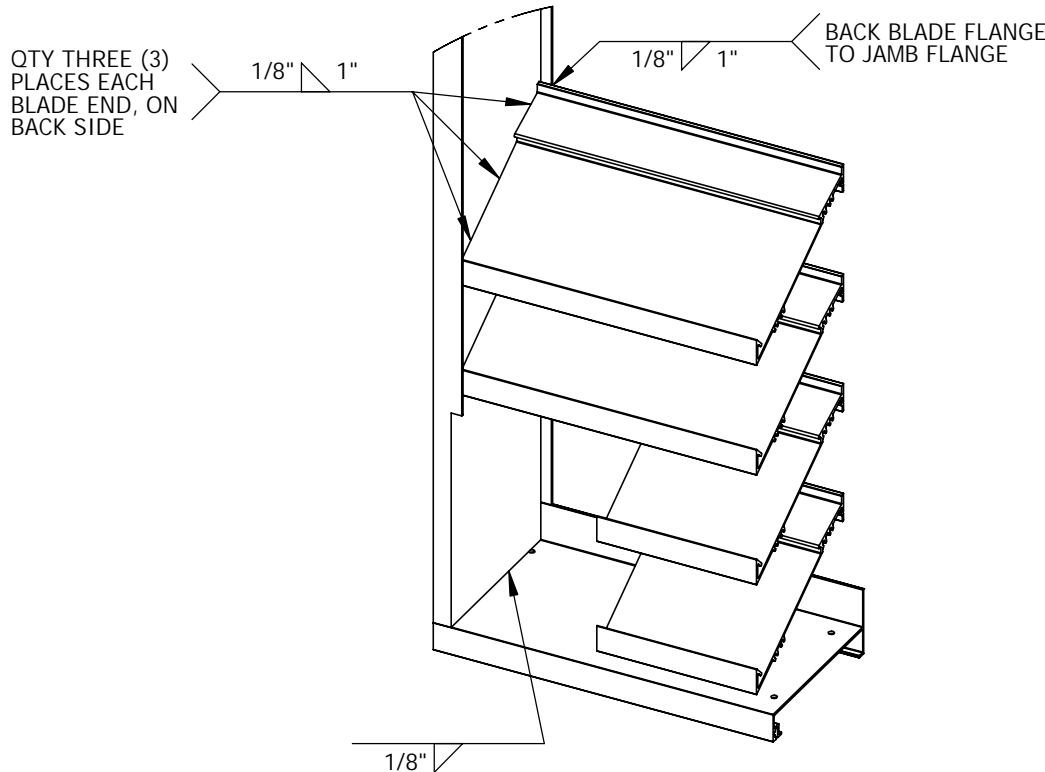
EFD-635-MD NOA

1	INITIAL RELEASE	7/3/2025	JMR
REV.	DESCRIPTION	DATE	DRAWN BY

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SHAPED LOUVER DETAILS



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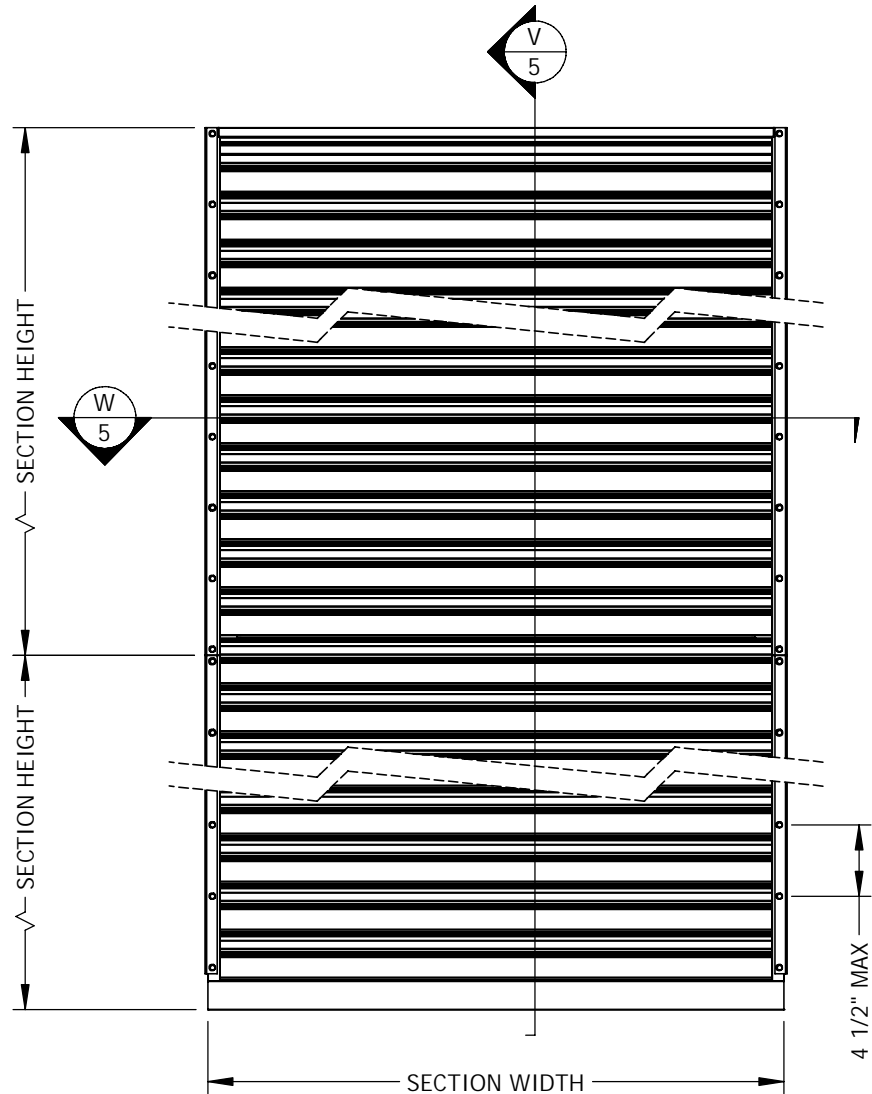
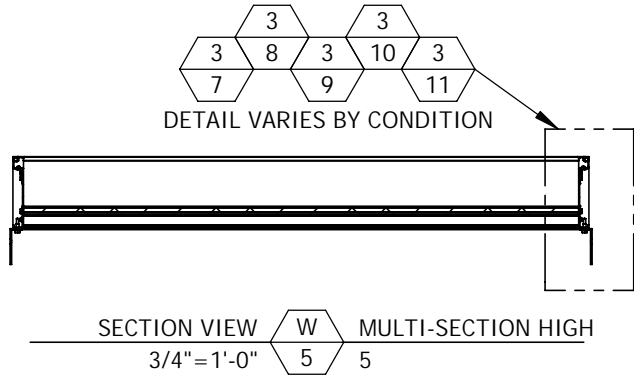
THIRD ANGLE PROJECTION

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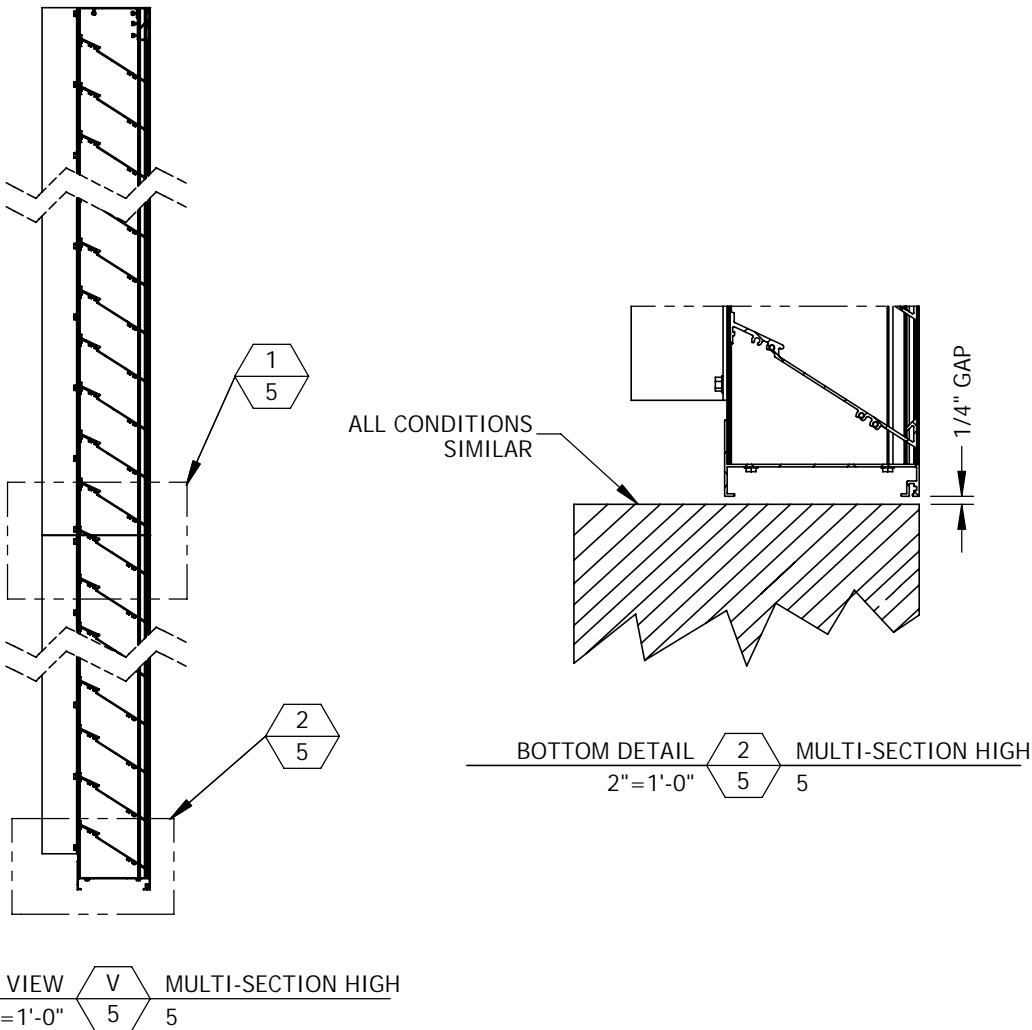
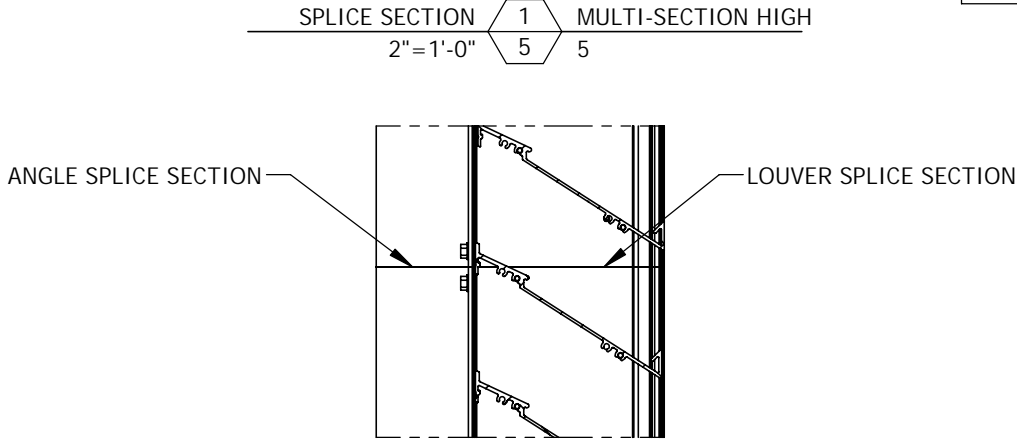
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PROJECT: EFD-635-MD		
PROJ. MGR.: BAF		DRAWN BY: JMR
DATE: 6/25/2025	CHK'D BY: NWW	DRAWING NUMBER EFD-635-MD NOA
SHEET: 4 of 16	SCALE: NTS	

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MULTI-SECTION HIGH

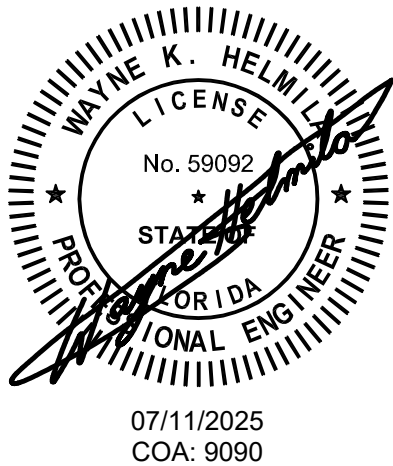


INTERIOR ELEVATION
QUANTITY SECTIONS WIDE IS UNLIMITED



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Approval Date 08/07/2025
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P.E. STAMP



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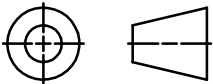
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

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

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DRAWING DESCR: MULTI-SECTION HIGH

PROJECT: EFD-635-MD

PROJ. MGR.: BAF

DATE: 6/25/2025

SHEET: 5 of 16

CHK'D BY: NWW

SCALE: NTS

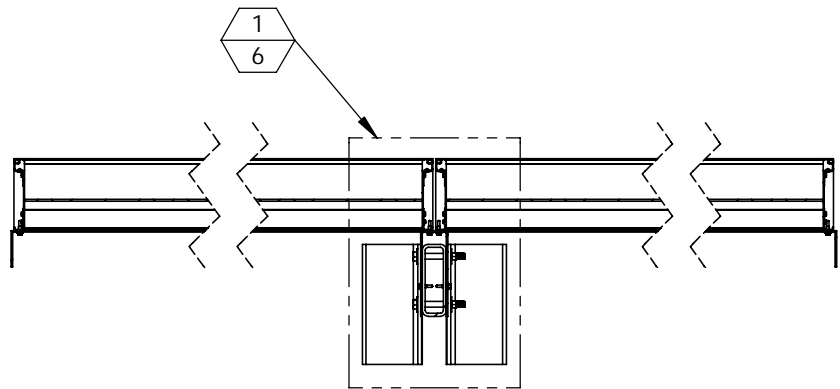
DRAWN BY: JMR

DRAWING NUMBER

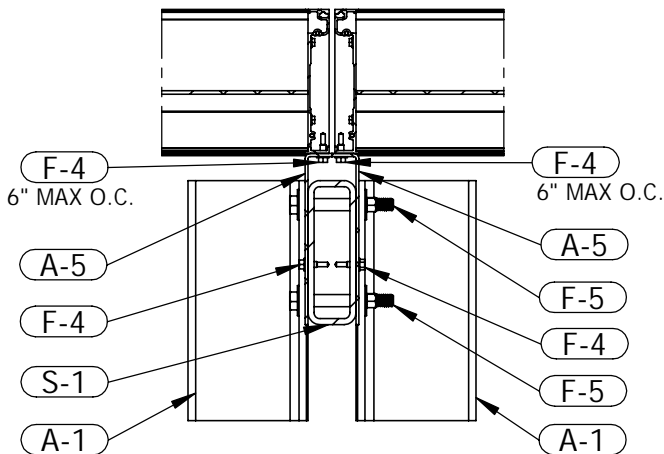
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GENERAL MULLION DETAILS

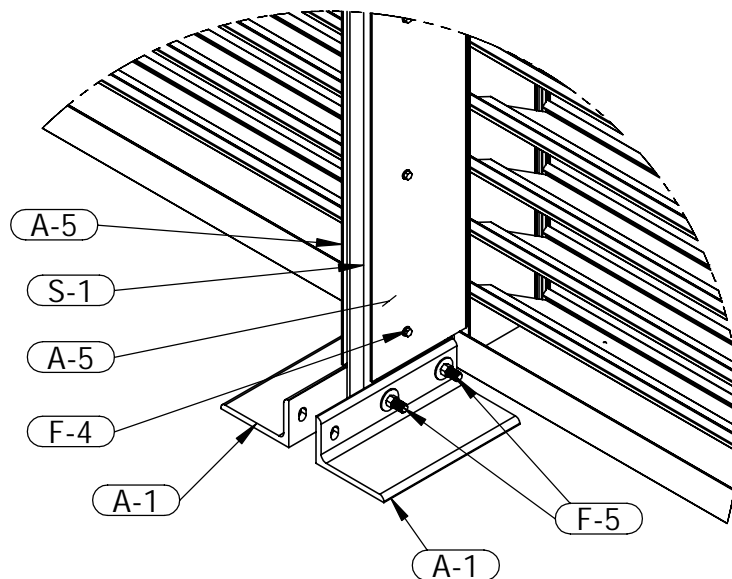


MULTI-SECTION WIDE $\frac{D}{6}$ ALL CONDITIONS
3/4"=1'-0"



MULTI-SECTION WIDE $\frac{1}{6}$ ALL CONDITIONS
1-1/2"=1'-0"

QUANTITY SECTIONS WIDE IS UNLIMITED



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NOA-No. 25-0716.02

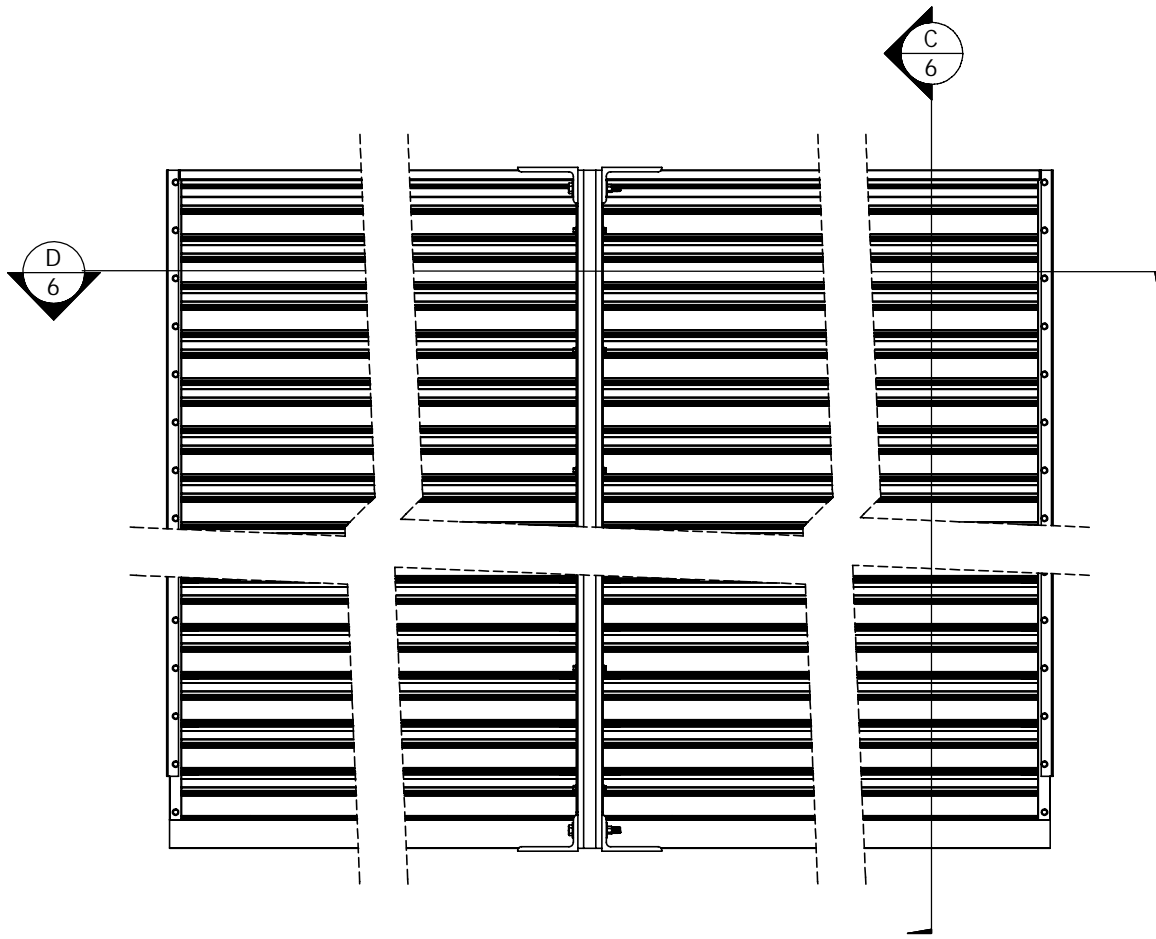
Approval Date 08/07/2025

By *[Signature]*
Miami-Dade Product Control

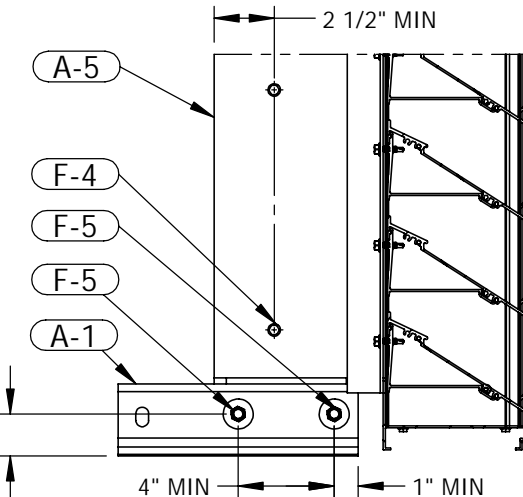
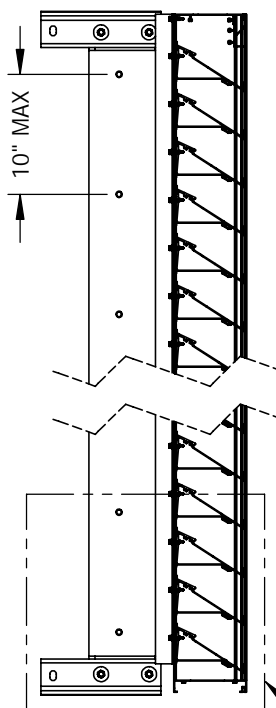
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COA: 9090



INTERIOR ELEVATION
QUANTITY SECTIONS WIDE IS UNLIMITED



BOTTOM DETAIL $\frac{2}{6}$ ALL CONDITIONS
1-1/2"=1'-0"

TOP CONNECTION SIMILAR

MULTI-SECTION WIDE $\frac{C}{6}$ ALL CONDITIONS
3/4"=1'-0"

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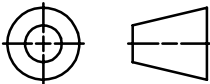
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DIMENSIONS ARE IN INCHES.

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

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DRAWING DESCR: GENERAL MULLION DETAILS

PROJECT: EFD-635-MD

PROJ. MGR.: BAF

DATE: 6/25/2025

SHEET: 6 of 16

CHK'D BY: NWW

SCALE: NTS

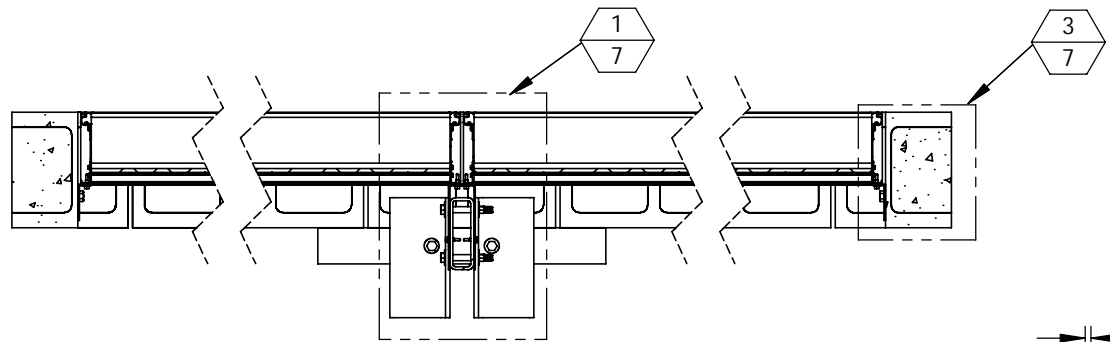
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DRAWING NUMBER

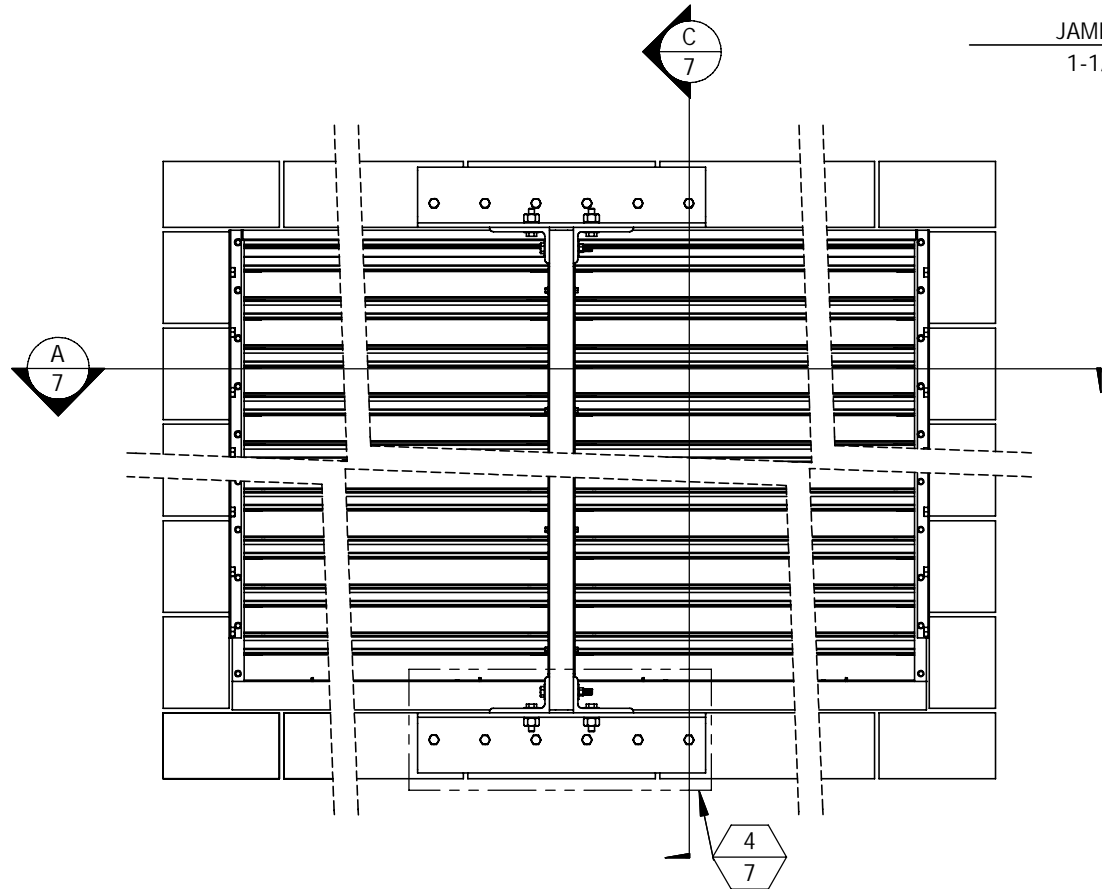
EFD-635-MD NOA

1	INITIAL RELEASE	7/3/2025	JMR
REV.	DESCRIPTION	DATE	DRAWN BY

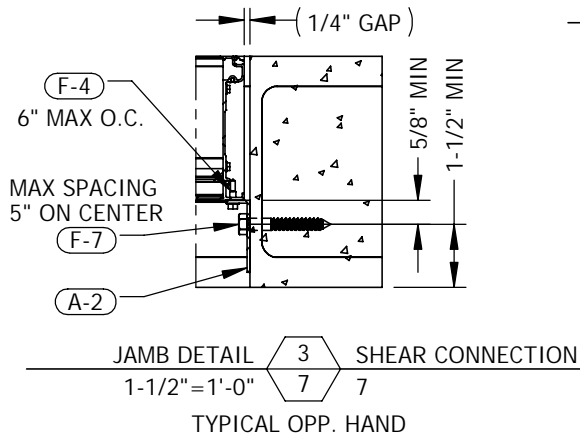
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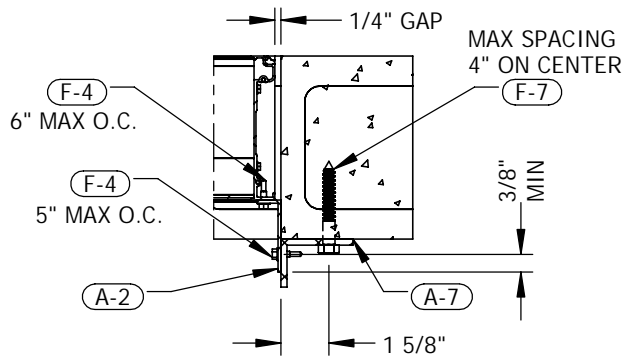
SECTION VIEW **A** GROUT FILLED CMU
3/4"=1'-0" 7 7



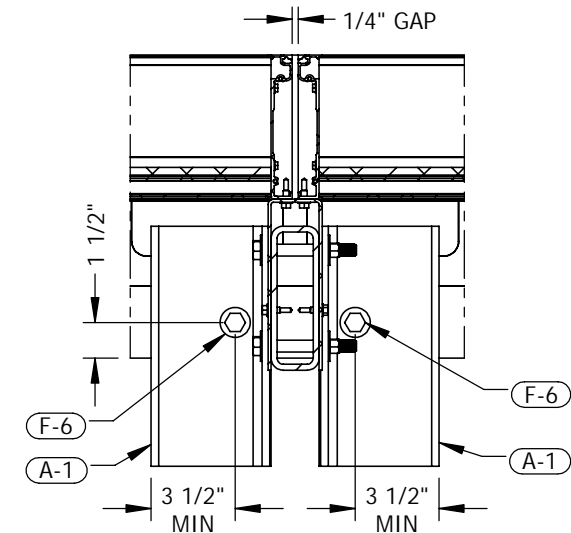
INTERIOR ELEVATION
QUANTITY SECTIONS WIDE IS UNLIMITED



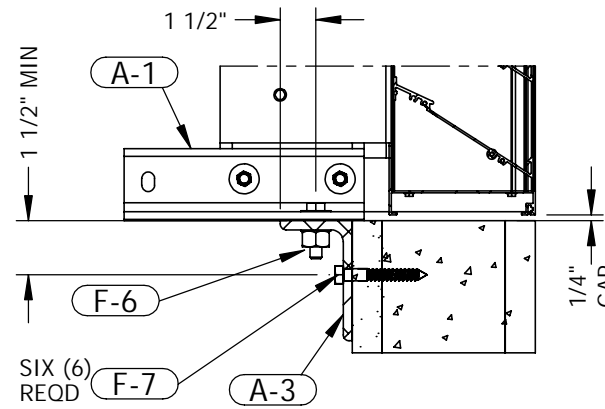
JAMB DETAIL **3** SHEAR CONNECTION
1-1/2"=1'-0" 7 7
TYPICAL OPP. HAND



JAMB DETAIL **3** TENSION CONNECTION
3/4"=1'-0" 7 7
TYPICAL OPP. HAND

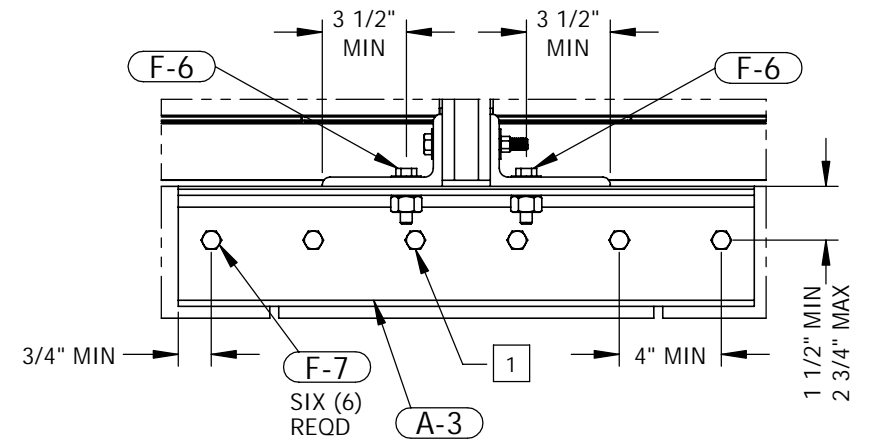


MULLION INSTALLATION **1** GROUT FILLED CMU
1-1/2"=1'-0" 7 7



BOTTOM DETAIL **2** GROUT FILLED CMU
1-1/2"=1'-0" 7 7

GROUT FILLED CMU CONDITION



MULLION INSTALLATION **4** GROUT FILLED CMU
1-1/2"=1'-0" 7 7

TOP CONNECTION SIMILAR

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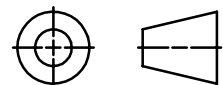
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X.XX ±0.030
X.XXX ±0.010
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FRACTION ±1/16

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DRAWING DESCR:

GROUT FILLED CMU CONDITION

PROJECT: EFD-635-MD

PROJ. MGR.: BAF

DRAWN BY: JMR

DATE: 6/25/2025

CHK'D BY: NWW

DRAWING NUMBER

SHEET: 7 of 16

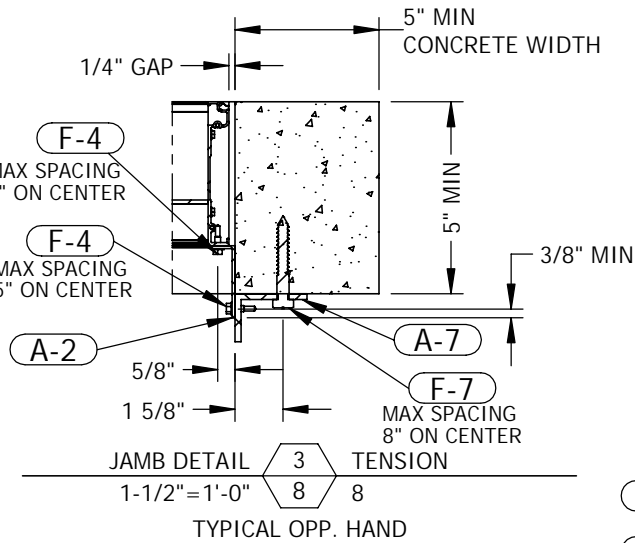
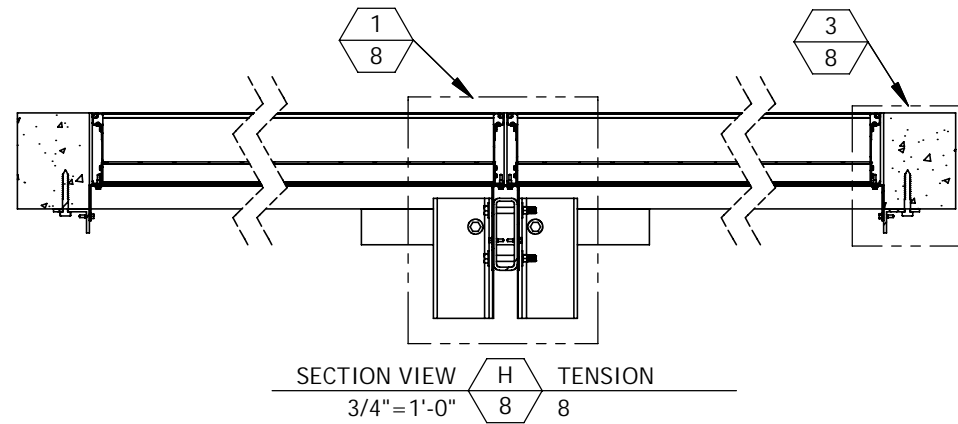
SCALE: NTS

EFD-635-MD NOA

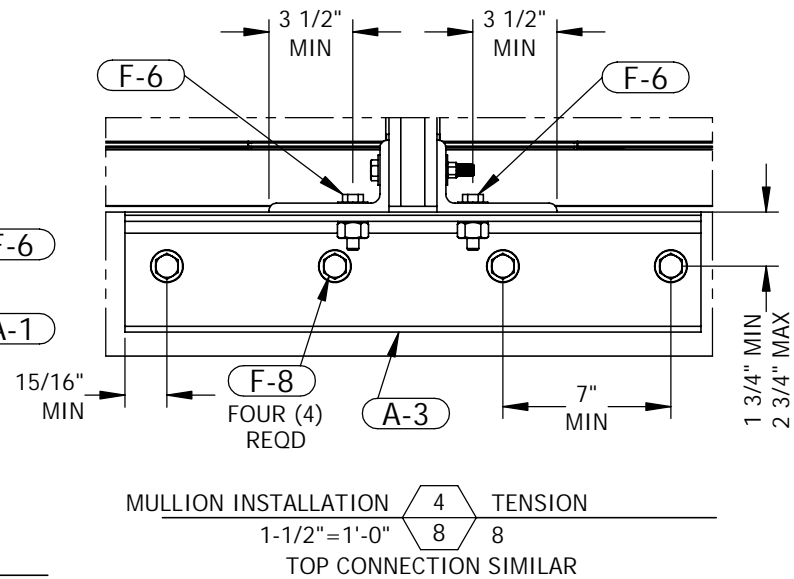
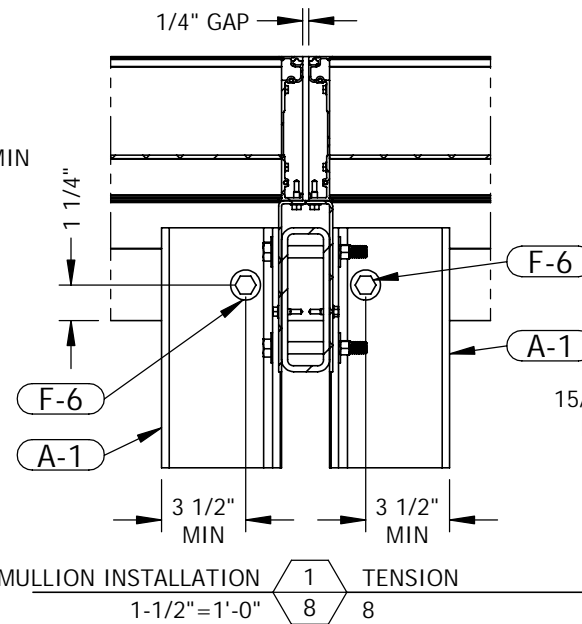
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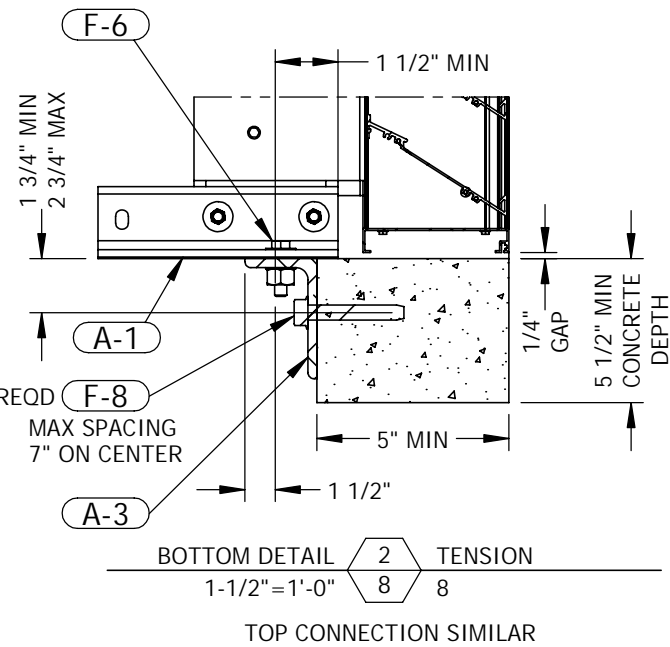
H
8



CONCRETE CONDITION TENSION CONNECTION



QUANTITY SECTIONS WIDE IS UNLIMITED



NOTES:
1 SEE SHEET 9 FOR SHEAR CONNECTION OPTION.

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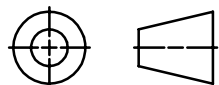
INTERIOR ELEVATION
QUANTITY SECTIONS WIDE IS UNLIMITED

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DRAWING DESCR:
CONCRETE CONDITION TENSION CONNECTION

PROJECT: EFD-635-MD

PROJ. MGR.: BAF

DRAWN BY: JMR

DATE: 6/25/2025

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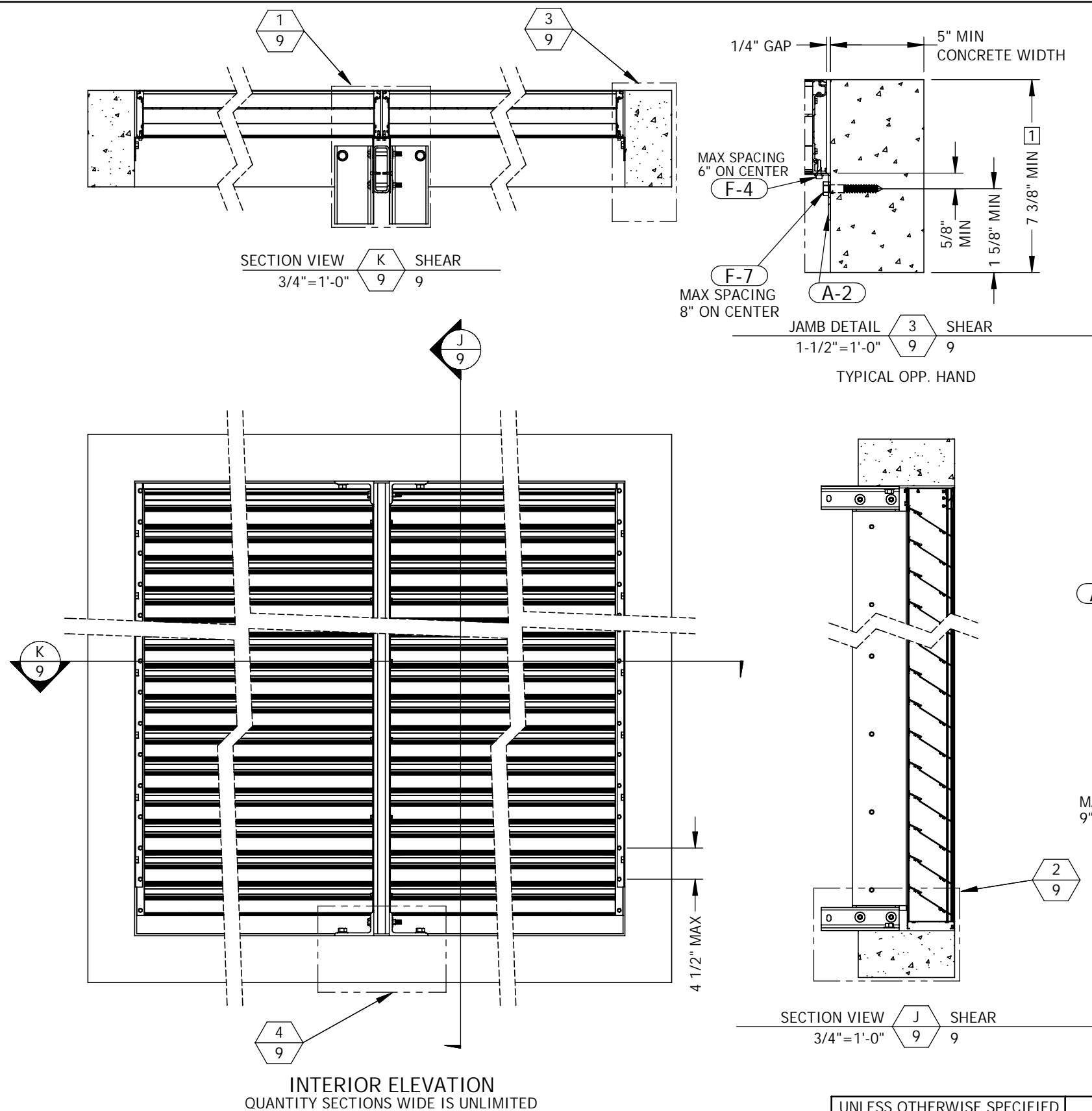
SHEET: 8 of 16

SCALE: NTS

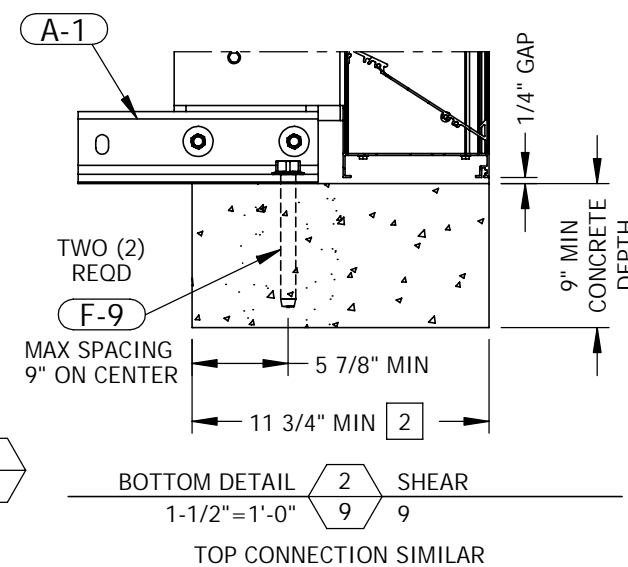
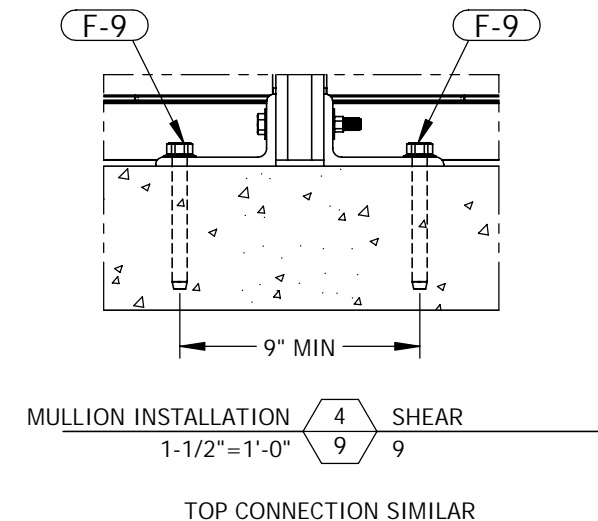
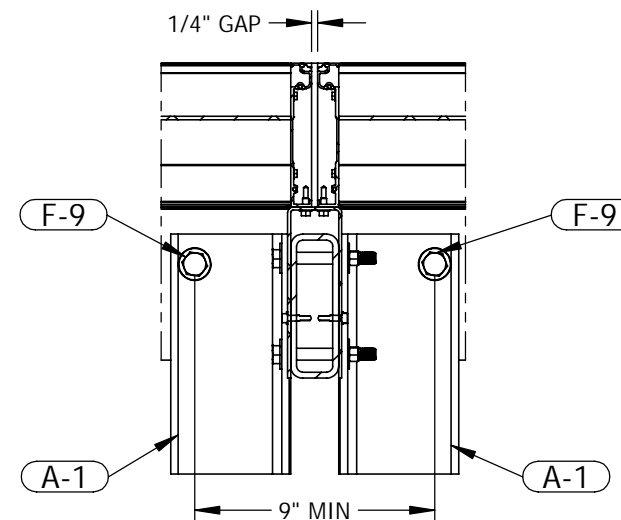
EFD-635-MD NOA

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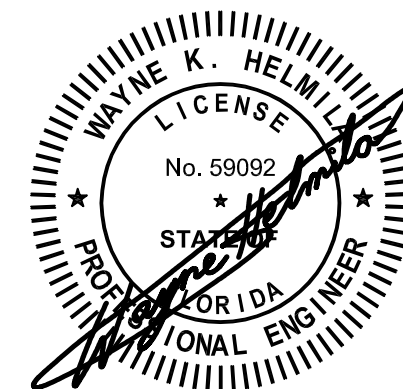
CONCRETE CONDITION SHEAR CONNECTION



- NOTES:
- SEE SHEET 8 FOR TENSION CONNECTION DETAILS WHEN CONCRETE CONDITION AT JAMB < 7 3/8" THICK.
 - SEE SHEET 8 FOR SHEAR CONNECTION DETAILS WHEN CONCRETE CONDITION AT MULLION < 11 3/4" THICK.

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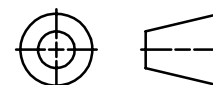
TOLERANCE UNLESS NOTED:

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

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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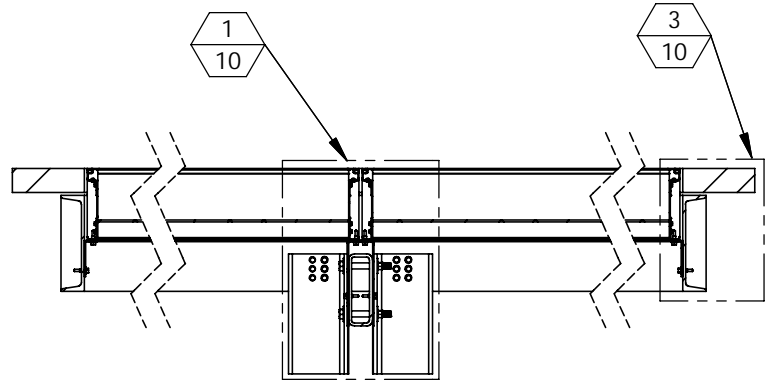


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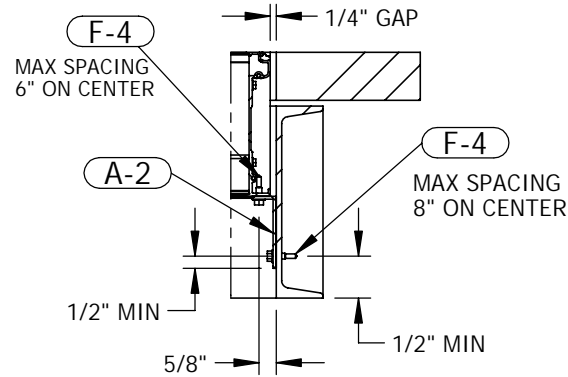
DRAWING DESCR: CONCRETE CONDITION SHEAR CONNECTION		
PROJECT: EFD-635-MD		
PROJ. MGR.: BAF	DRAWN BY: JMR	
DATE: 6/25/2025	CHK'D BY: NWW	DRAWING NUMBER EFD-635-MD NOA
SHEET: 9 of 16	SCALE: NTS	

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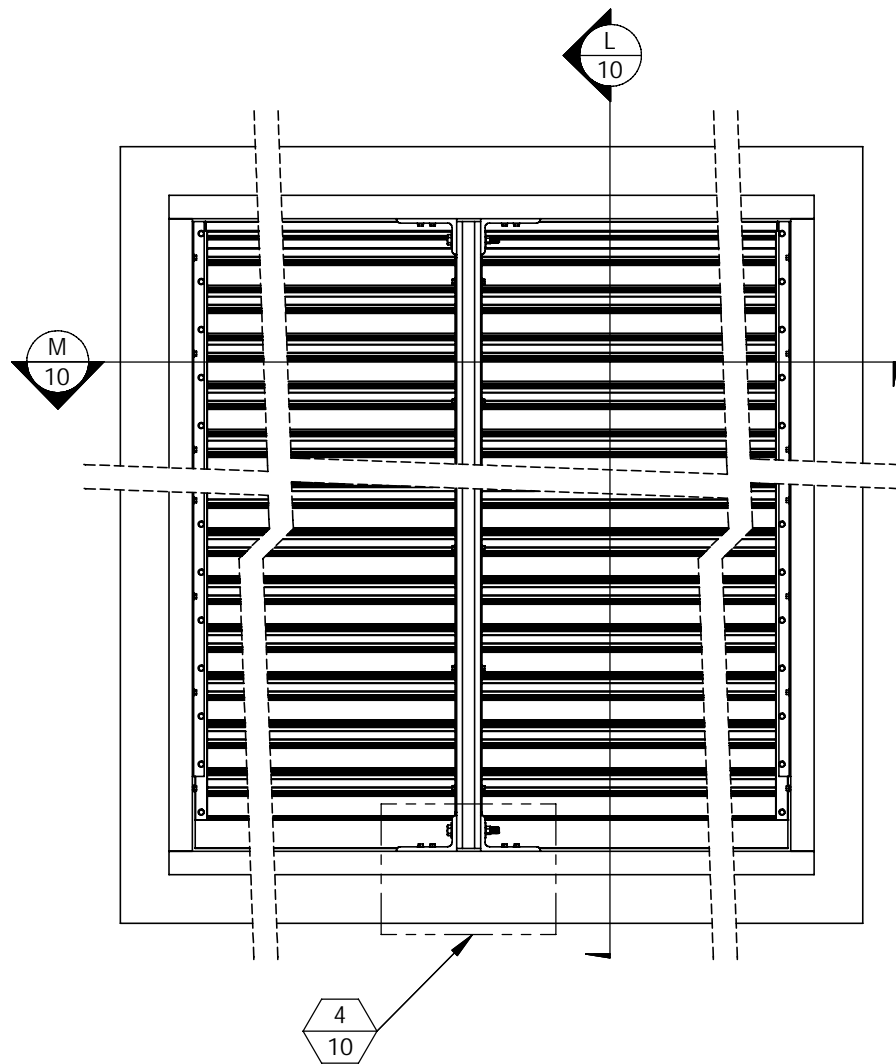
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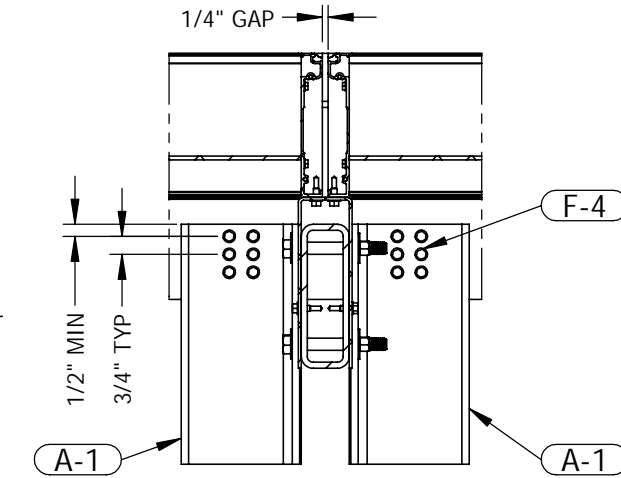
SECTION VIEW M STEEL
3/4" = 1'-0" 10 10



JAMB DETAIL 3 STEEL
1-1/2" = 1'-0" 10 10
TYPICAL OPP. HAND

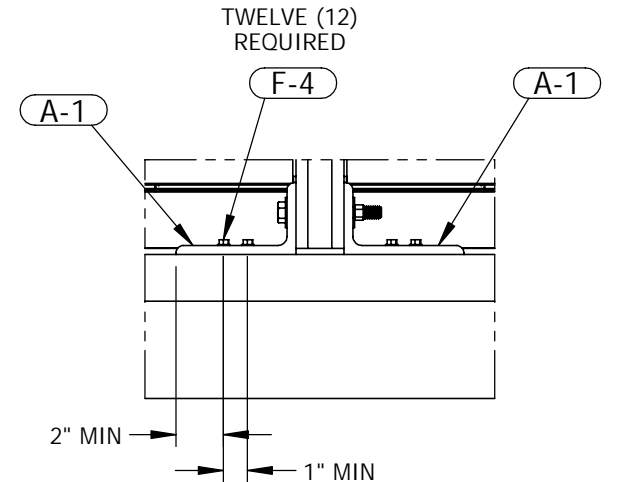


INTERIOR ELEVATION
QUANTITY SECTIONS WIDE IS UNLIMITED



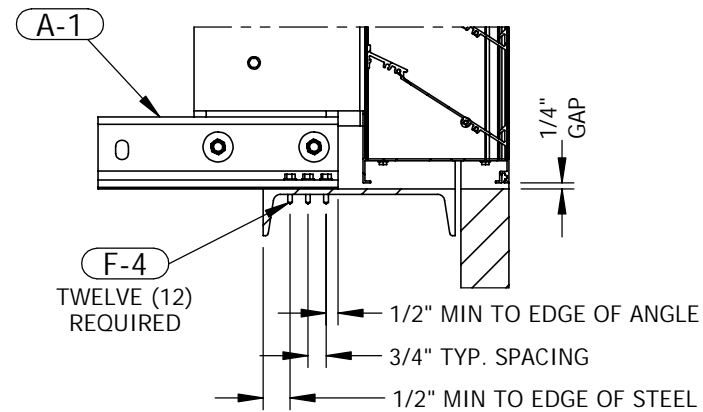
MULLION INSTALLATION 1 STEEL
1-1/2" = 1'-0" 10 10

QUANTITY SECTIONS WIDE IS UNLIMITED



MULLION INSTALLATION 4 STEEL
1-1/2" = 1'-0" 10 10

TOP CONNECTION SIMILAR



BOTTOM DETAIL 2 STEEL
1-1/2" = 1'-0" 10 10

TOP CONNECTION SIMILAR

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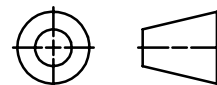
TOLERANCE UNLESS NOTED:

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

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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DRAWING DESCR: STEEL CONDITION

PROJECT: EFD-635-MD

PROJ. MGR.: BAF

DATE: 6/25/2025

SHEET: 10 of 16

CHK'D BY: NWW

SCALE: NTS

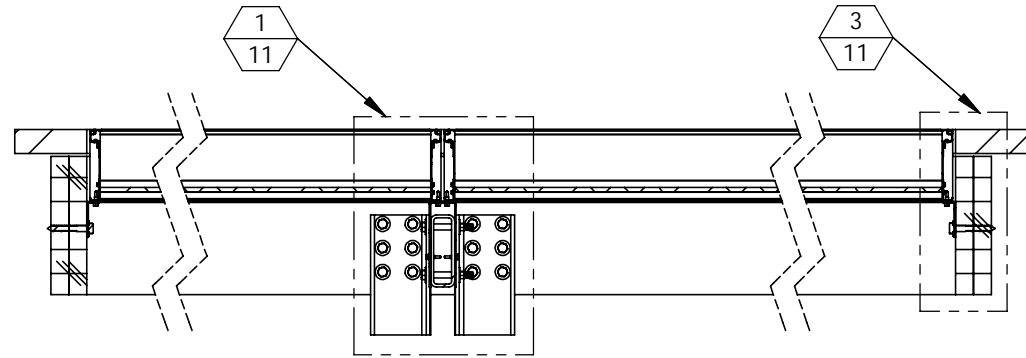
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DRAWING NUMBER

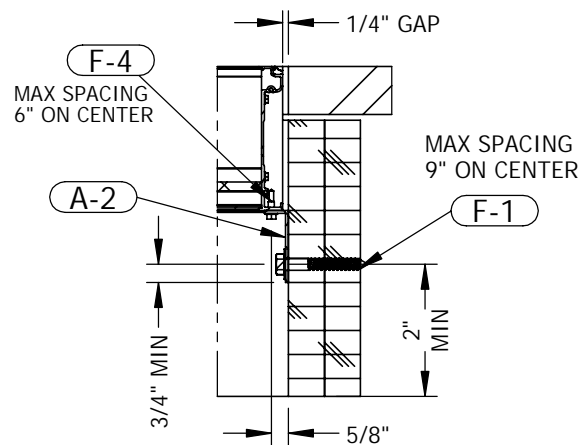
EFD-635-MD NOA

1	INITIAL RELEASE	7/3/2025	JMR
REV.	DESCRIPTION	DATE	DRAWN BY

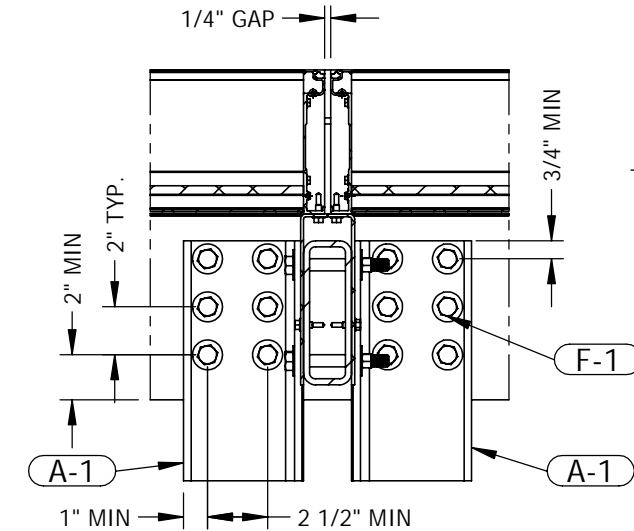
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SECTION VIEW P WOOD
NTS 11 11

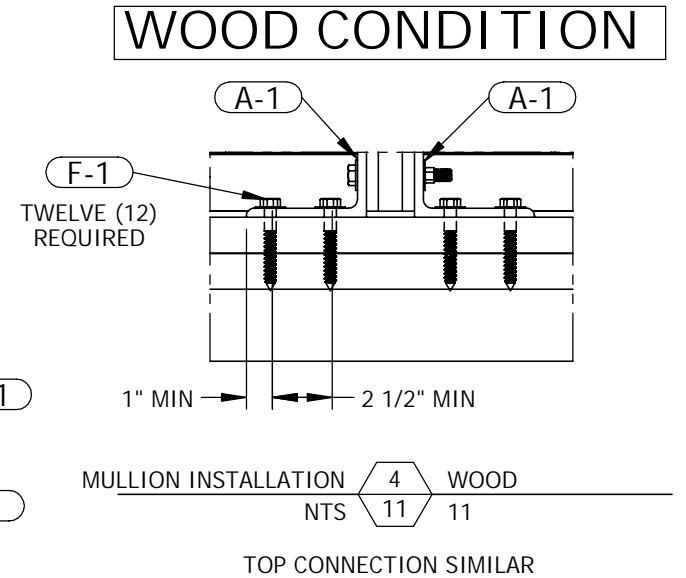


JAMB DETAIL 3 WOOD
NTS 11 11
TYPICAL OPP. HAND




MULLION INSTALLATION 1 WOOD
NTS 11 11

QUANTITY SECTIONS WIDE IS UNLIMITED



MULLION INSTALLATION 4 WOOD
NTS 11 11

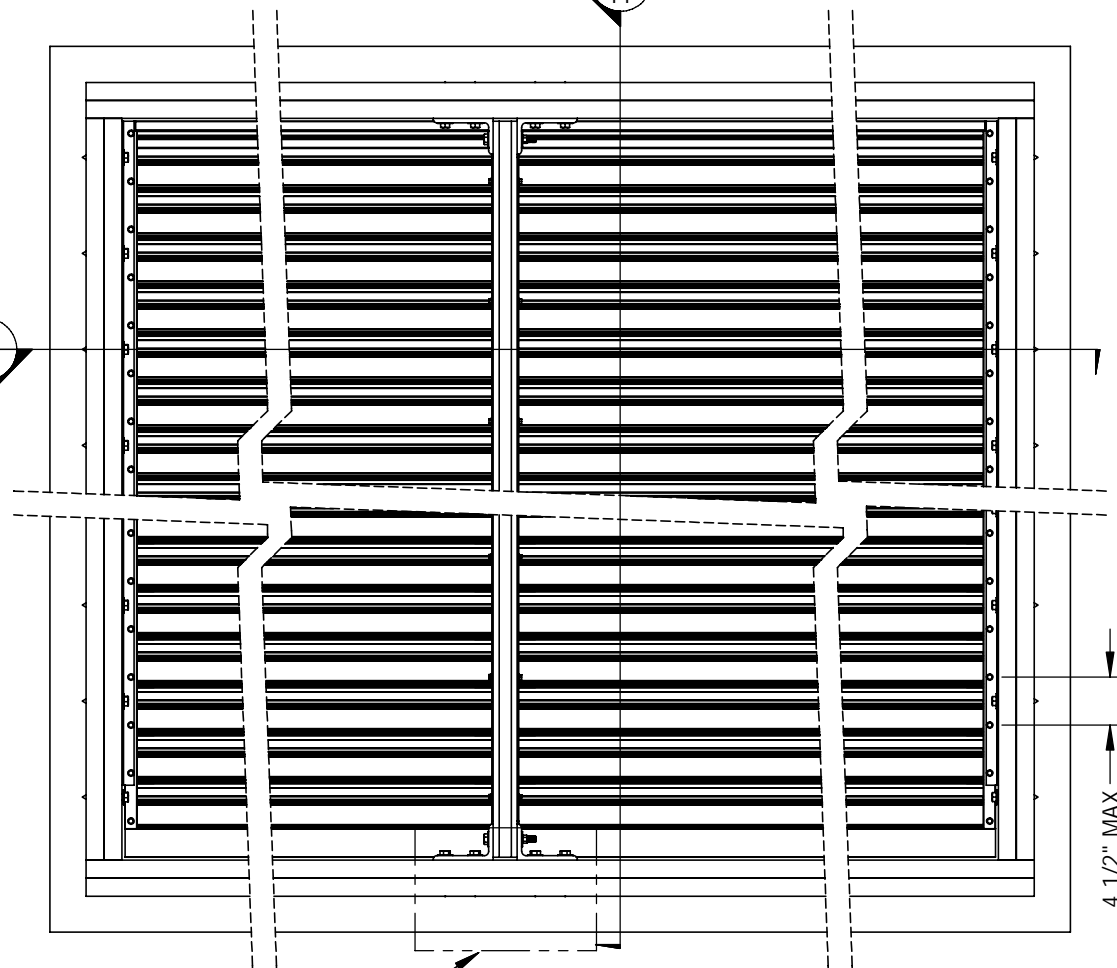
TOP CONNECTION SIMILAR

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Approval Date 08/07/2025
By 
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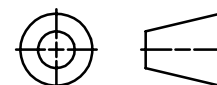
INTERIOR ELEVATION
QUANTITY SECTIONS WIDE IS UNLIMITED

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DRAWING DESCR: WOOD CONDITION

PROJECT: EFD-635-MD

PROJ. MGR.: BAF

DATE: 6/25/2025

SHEET: 11 of 16

CHK'D BY: NWW

SCALE: NTS

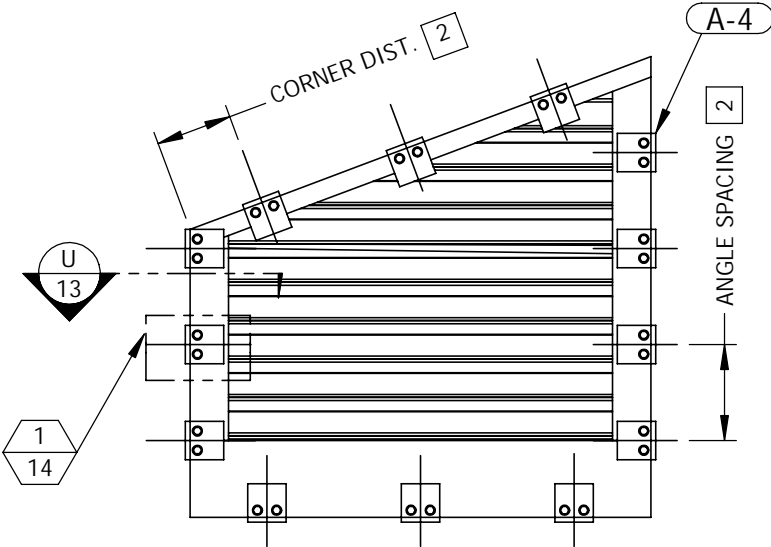
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EFD-635-MD NOA

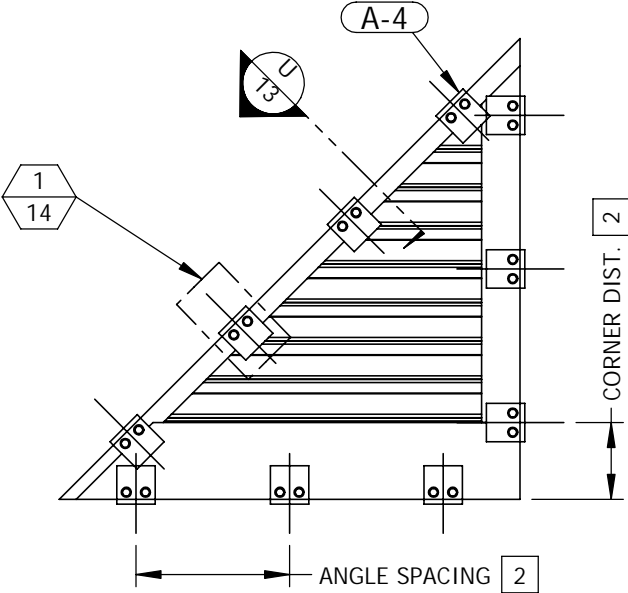
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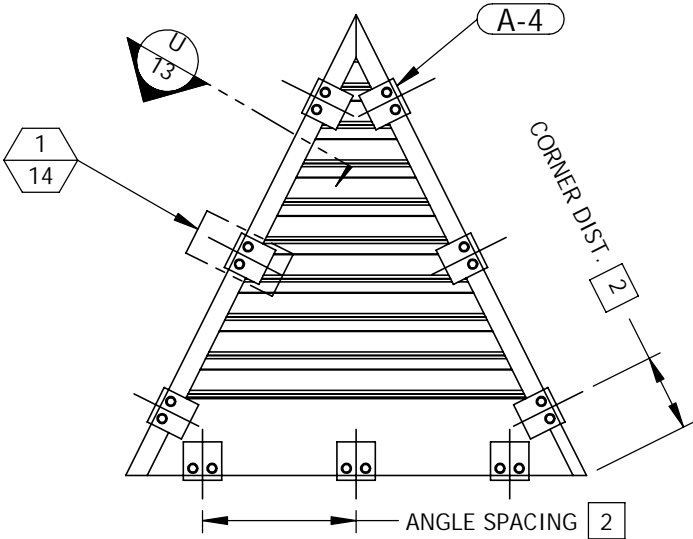
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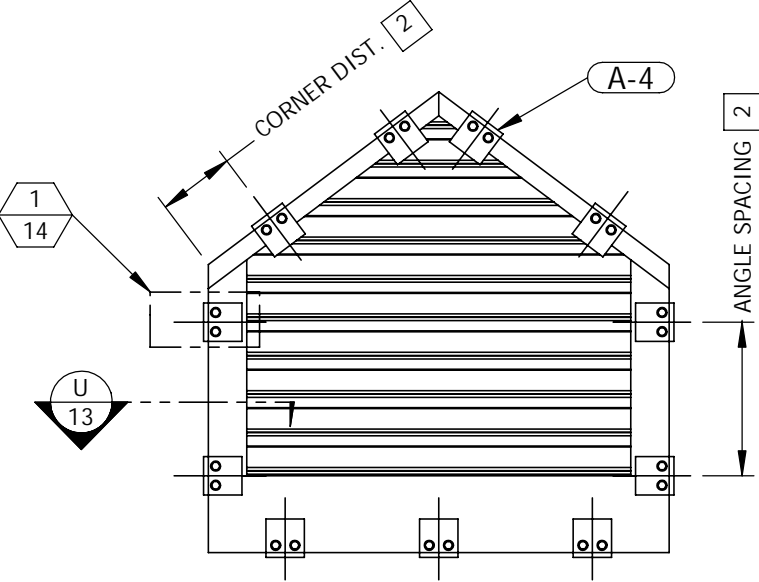
TRAPAZOID 1 REAR/INTERIOR VIEW
NTS 12 12



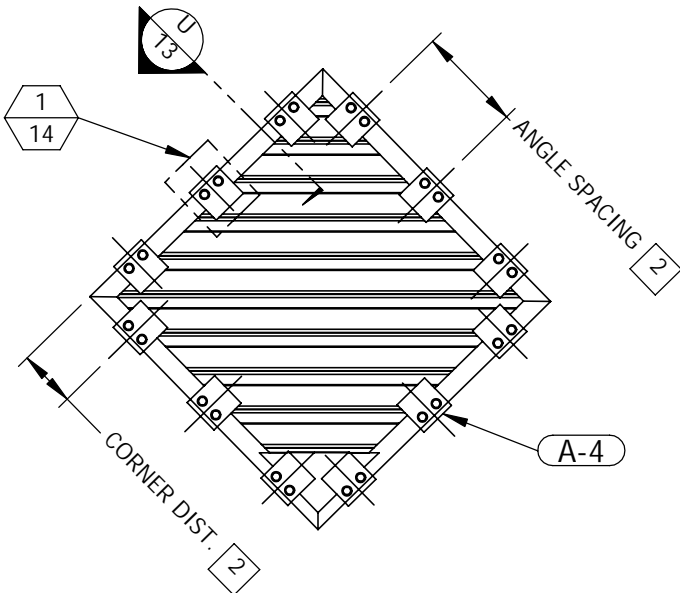
RIGHT TRIANGLE 2 REAR/INTERIOR VIEW
NTS 12 12



ISOSCELES TRIANGLE 3 REAR/INTERIOR VIEW
SCALE 12 12



DOUBLE SLOPE TOP 4 REAR/INTERIOR VIEW
NTS 12 12



DIAMOND 5 REAR/INTERIOR VIEW
NTS 12 12

TABLE 4 SHAPE CLIP ANGLE DIMENSIONS		
SUBSTRATE	ANGLE SPACING	CORNER DISTANCE
CONCRETE	8"	4"
GROUT-FILLED CMU	5 1/2"	2 3/4"
STEEL	10"	5"
WOOD	10"	5"

PRODUCT APPROVED
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NOA-No. 25-0716.02
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- NOTES:
1. SHAPED LOUVER WIDTH AND HEIGHT WILL NOT EXCEED MAX SINGLE SECTION SIZES PER TABLE 1, SHEET 1.
 2. ALLOWABLE CLIP ANGLE SPACING AND CORNER DISTANCE VARY BY SUBSTRATE. SEE TABLE 4 FOR ALLOWABLE SPACING AND CORNER DISTANCE DIMENSIONS FOR EACH SUBSTRATE TYPE.
 3. CLIP ANGLES TO BE INSTALLED AROUND ENTIRE PERIMETER OF OPENING.

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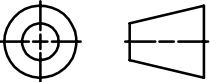
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ANGLE ±1°
FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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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:
SPECIAL SHAPES INSTALLATION

PROJECT: EFD-635-MD

PROJ. MGR.: BAF

DATE: 6/25/2025

SHEET: 12 of 16

CHK'D BY: NWW

SCALE: NTS

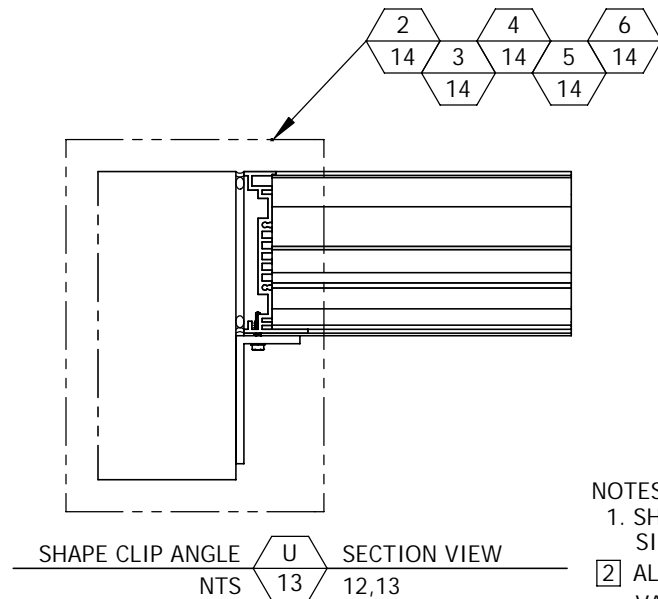
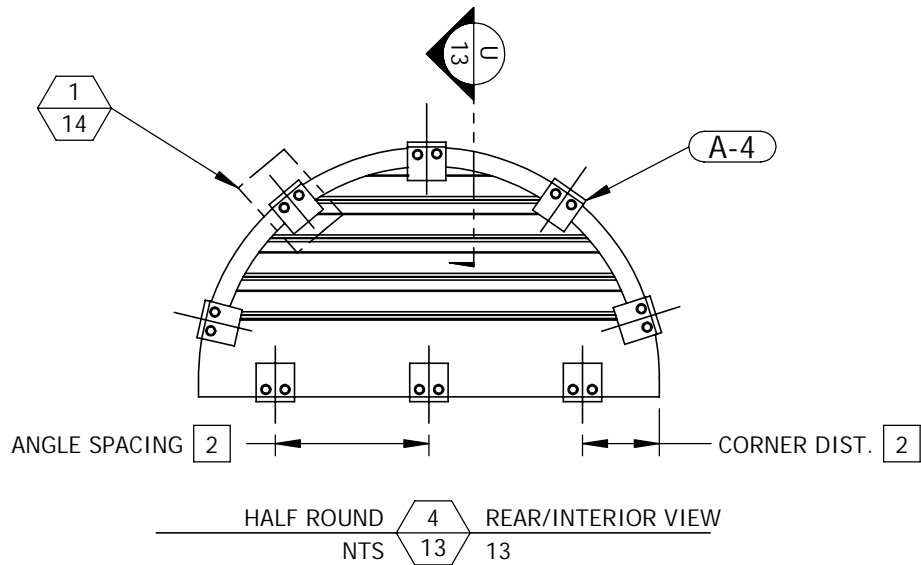
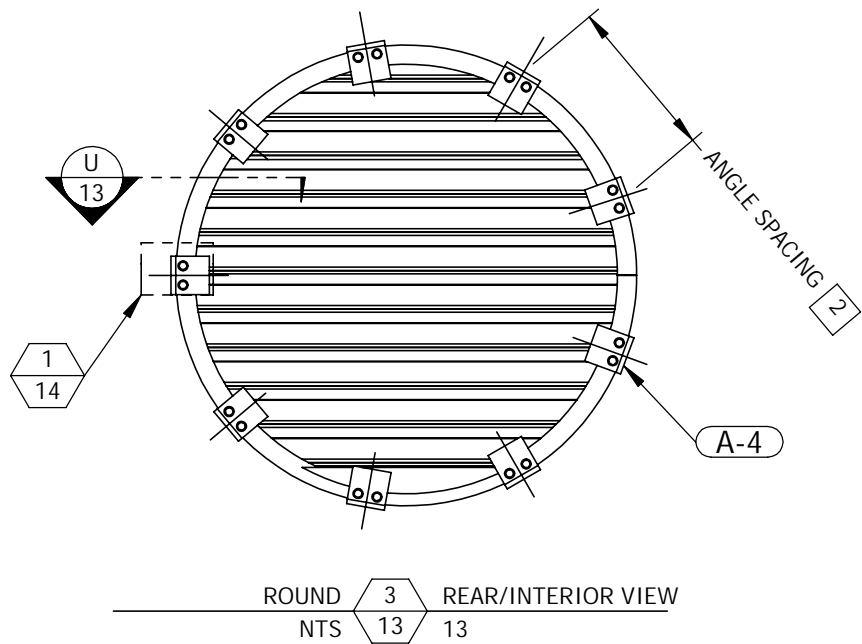
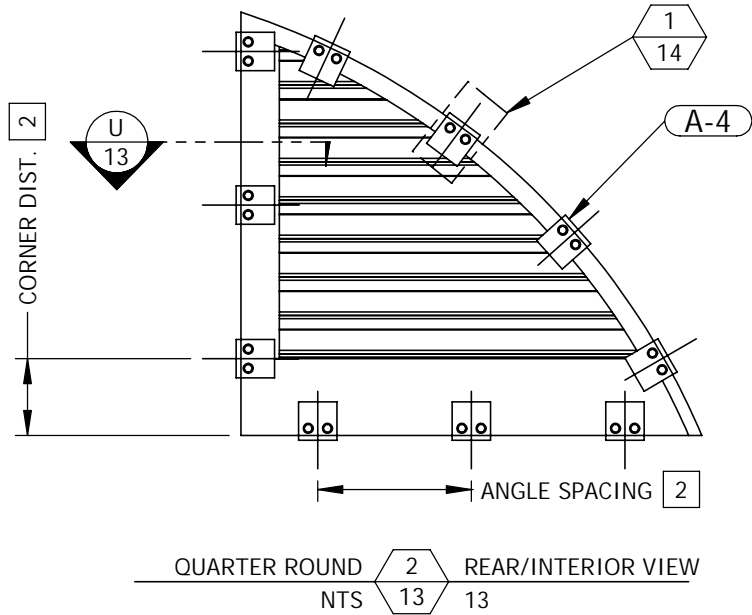
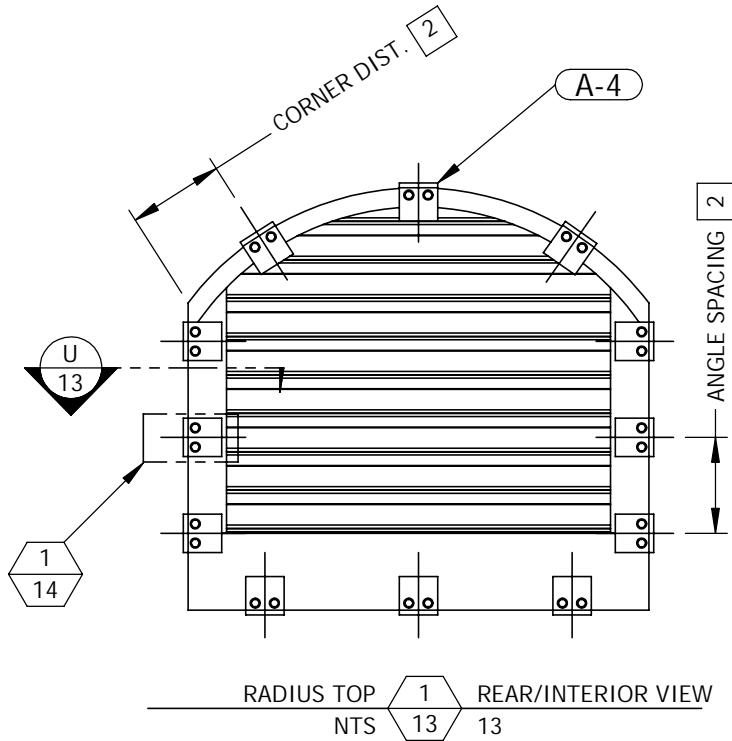
DRAWN BY: JMR

DRAWING NUMBER
EFD-635-MD NOA

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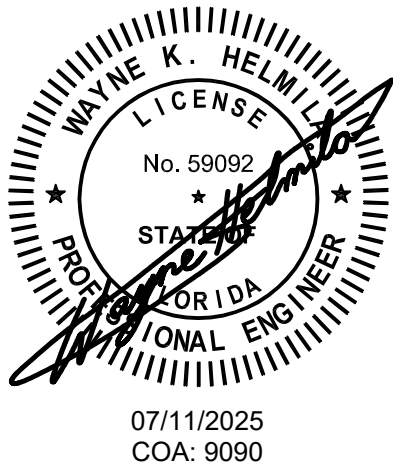
SPECIAL SHAPES INSTALLATION



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as complying with the Florida
Building Code
NOA-No. 25-0716.02
Approval Date 08/07/2025
By *[Signature]*
Miami-Dade Product Control

- NOTES:
1. SHAPED LOUVER WIDTH AND HEIGHT WILL NOT EXCEED MAX SINGLE SECTION SIZES PER TABLE 1, SHEET 1.
 2. ALLOWABLE CLIP ANGLE SPACING AND CORNER DISTANCE VARY BY SUBSTRATE. SEE TABLE 4, SHEET 12 FOR ALLOWABLE SPACING AND CORNER DISTANCE DIMENSIONS FOR EACH SUBSTRATE TYPE.
 3. CLIP ANGLES TO BE INSTALLED AROUND ENTIRE PERIMETER OF OPENING.

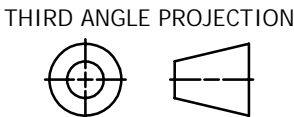
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Luxemburg, WI 54217
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Fax: (920) 617-1100
www.rice-inc.com
Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCE UNLESS NOTED:
X.X ±0.060
X.XX ±0.030
X.XXX ±0.010
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SHEET: 13 of 16

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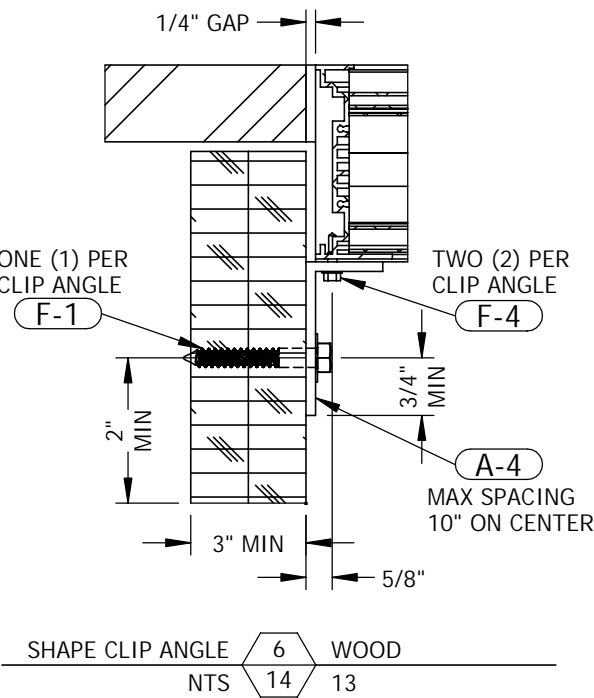
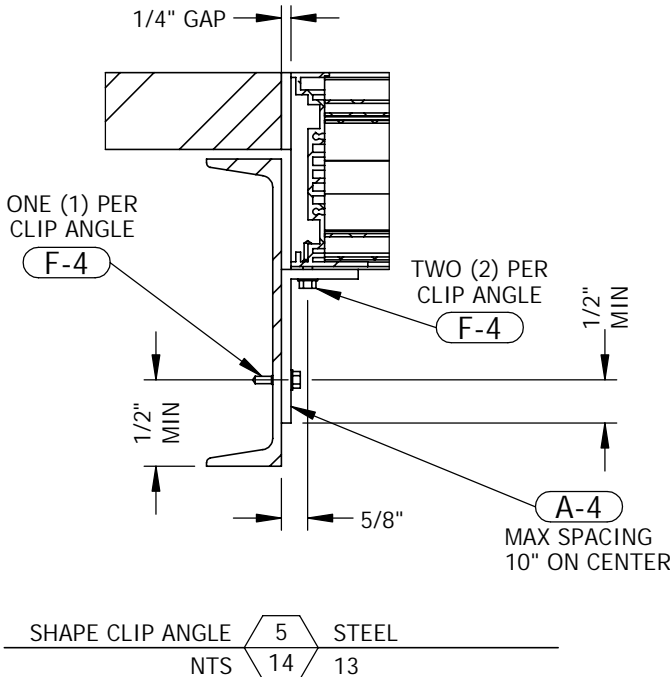
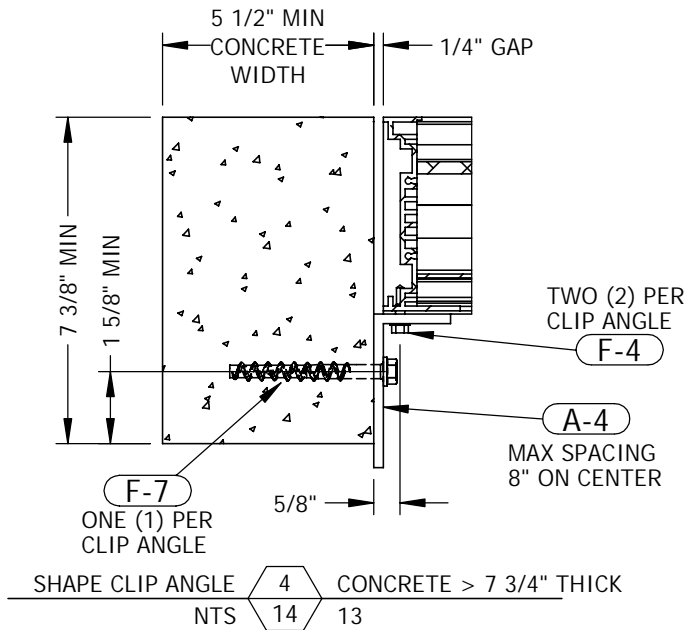
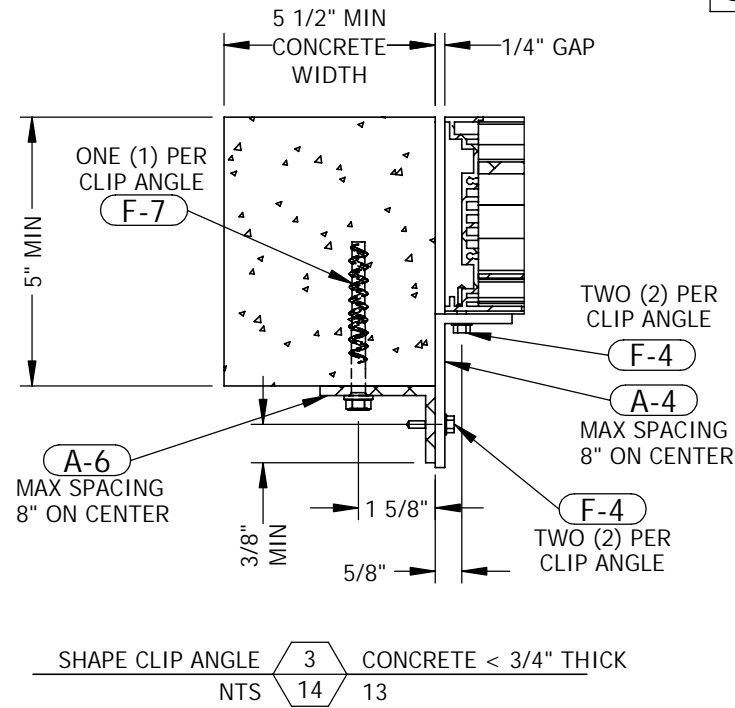
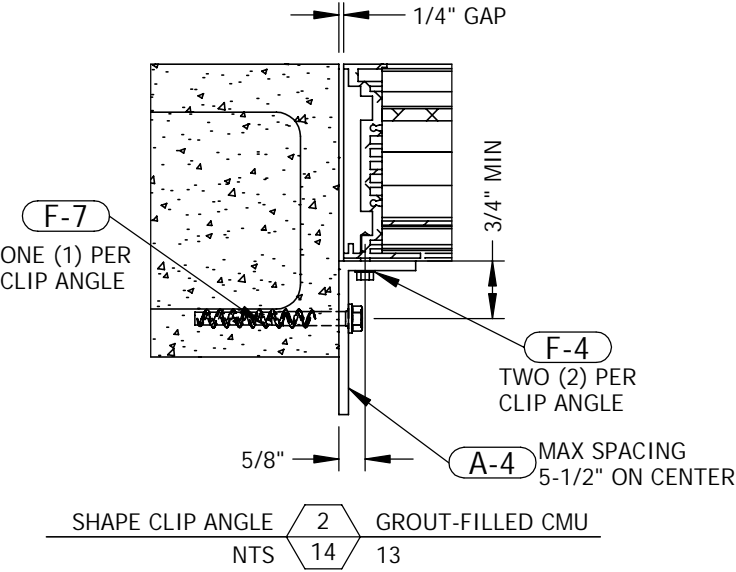
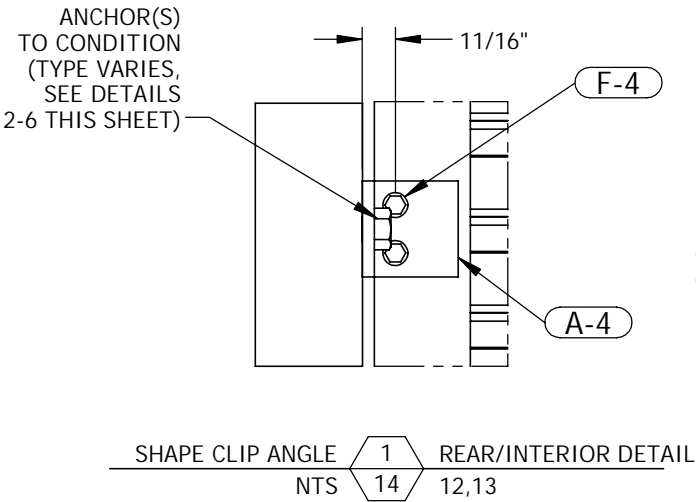
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SPECIAL SHAPES INSTALLATION



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

[Signature]

07/11/2025
COA: 9090

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DRAWING DESCR: SPECIAL SHAPES INSTALLATION		
PROJECT: EFD-635-MD		
PROJ. MGR.: BAF	DRAWN BY: JMR	
DATE: 6/25/2025	CHK'D BY: NWW	DRAWING NUMBER EFD-635-MD NOA
SHEET: 14 of 16	SCALE: NTS	

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A diagram of a rectangular block with a width of 6 inches and a height of 1 inch. The block has decorative notches on its top and bottom edges. The notches are located at the corners and are 1 inch deep. The top notches are 1 inch wide, and the bottom notches are 1 inch wide. The block is shown in a perspective view.

Technical drawing of a T-joint. The vertical leg has a height of 1". The horizontal leg has a height of 3 3/4".

Diagram of a 90-degree corner joint. The horizontal segment has a length of $1\frac{1}{2}$ " and the vertical segment has a height of $1\frac{1}{2}$ ".

Technical drawing of a metal bracket. The drawing shows a side view of the bracket with the following dimensions:

- Length: $5 \frac{15}{16}$ "
- Height: $1 \frac{11}{16}$ "
- Thickness: $\frac{3}{4}$ "

The bracket features a base plate with a vertical flange on the left side and a horizontal flange on the right side. The base plate has a sloped bottom edge on the left and a vertical bottom edge on the right. The vertical flange has a horizontal top edge and a vertical bottom edge. The horizontal flange has a horizontal top edge and a vertical bottom edge. The bracket is shown in a perspective view.

Technical drawing of a Z-section profile. The dimensions are: 5/8 inch (height of the top flange), 3 3/16 inch (height of the web), and 4 5/8 inch (length of the bottom flange).

Technical drawing of a rectangular plate. The dimensions are: 1/2 inch thickness, 6 1/16 inch length, and 2 3/8 inch width.

Technical drawing of a stepped shaft. The shaft has a total length of 1 inch. It features a step with a diameter of 1 inch. The remaining length of the shaft is 2 5/8 inch.

1"

6 1/16"

DRAWING NUMBER
EFD-635-MD NOA

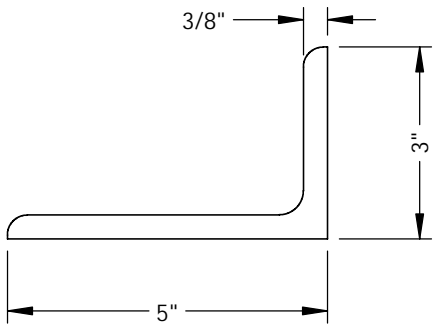
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PART NO: A-1

PART NAME: CLIP ANGLE, MULLION

MATERIAL: 5" X 3" X 3/8" X 10" LONG
6061-T6 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

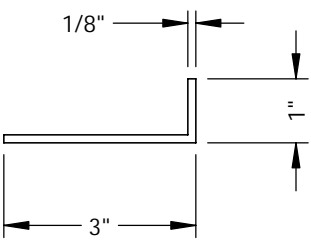


PART NO: A-2

PART NAME: CONTINUOUS ANGLE

MATERIAL: 3" X 1" X 1/8" 6063-T5
EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

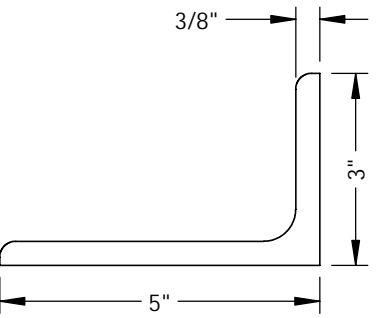


PART NO: A-3

PART NAME: SHELF ANGLE, MULLION

MATERIAL: 5" X 3" X 3/8" X 24" LONG
6061-T6 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

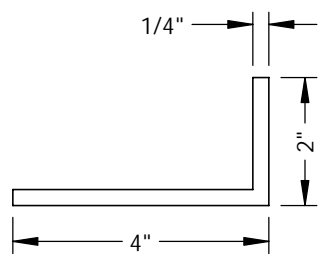


PART NO: A-4

PART NAME: CLIP ANGLE, SHAPES

MATERIAL: 4" X 2" X 1/4" X 2" LONG
6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

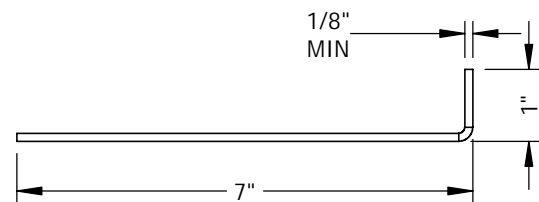


PART NO: A-5

PART NAME: MULLION ATTACHMENT ANGLE

MATERIAL: MIN. 1/8" THICK
E5052-H32 SHEET ALUMINUM

SCALE: 4"=1'-0"

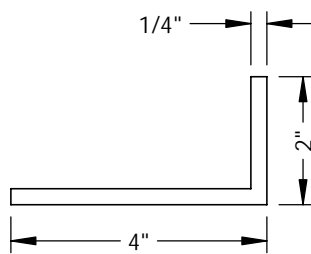


PART NO: A-6

PART NAME: CLIP ANGLE, SHAPES

MATERIAL: 4" X 2" X 1/4" X 4.5" LONG
6063-T5 EXTRUDED ALUMINUM

SCALE: 4"=1'-0"

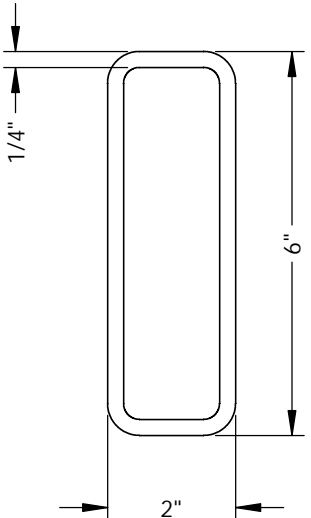


PART NO: S-1

PART NAME: TUBE, MULLION SUPPORT

MATERIAL: 6" X 2" X 1/4" HSS

SCALE: 4"=1'-0"

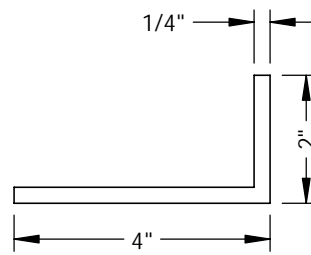


PART NO: A-7

PART NAME: CONTINUOUS ANGLE

MATERIAL: 4" X 2" X 1/4" 6063-T5
EXTRUDED ALUMINUM

SCALE: 4"=1'-0"




BILL OF MATERIALS

MISCELLANEOUS FASTENERS	
PART NO.	DESCRIPTION
F-1	1/2" X 3-1/2" LONG HEX LAG BOLT AND FLAT WASHER, 300-SERIES SST
F-2	#10-16 X 2" LONG, HWH, 410 SST, TEK SELF-DRILLING SCREW
F-3	1/4-14 X 1" LONG, HWH, 410 SST, TEK SELF-DRILLING SCREW
F-4	1/4-14 X 1" LONG, 18-8 SST, TEK SELF-DRILLING SCREW
F-5	1/2-13 X 4" LONG, 18-8 SST, HEX BOLT, NUT, AND TWO (2) FLAT WASHERS
F-6	1/2-13 X 2" LONG, 18-8 SST, HEX BOLT, NUT, AND TWO (2) FLAT WASHERS
F-7	3/8" X 4" DEWALT SCREW-BOLT+, GLAV FINISH
F-8	5/8" X 4" DEWALT SCREW-BOLT+, GLAV FINISH
F-9	5/8" X 6" DEWALT SCREW-BOLT+, GLAV FINISH

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07/11/2025
COA: 9090

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SHEET: 16 of 16	SCALE: NTS	