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, 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 EFD-635-MD-PH Extruded Aluminum Penthouse Louver System

APPROVAL DOCUMENT: Drawing No. **EFD-635-MD-PH NOA**, titled "EFD-635-MD-PH", sheets 1 through 15 of 15, dated 09/07/2023, with revision 3 dated 06/24/2024, prepared by the manufacturer, 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 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 consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

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

06/27/24

NOA No. 24-0117.02
Expiration Date: July 5, 2029
Approval Date: July 5, 2024

PCI Industries, LLC dba Pottorff

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **EFD-635-MD-PH NOA**, titled "EFD-635-MD-PH", sheets 1 through 15 of 15, dated 09/07/2023, with revision 3 dated 06/24/2024, prepared by the manufacturer, 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 (Level E, 80 fps)
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of a Model EFD-635-MD-PH Aluminum Louvered Penthouse, prepared by Quast Consulting & Testing, Inc, Test Report No. **QCT23-7084.01-R1**, dated 01/03/2023, signed and sealed by Arlen Fisher, P.E.

C. CALCULATIONS

1. Pottorf - EFD-635-MD-PH curb design calculations, prepared by Rice Engineering dated 05/30/2024, signed and sealed by Wayne K. Helmila, P.E.

2. EFD-635-MD-PH louver calculations, prepared by Rice Engineering dated 01/03/2024, 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 conformance, complying with the 8th edition (2023) of the FBC, issued by Rice Engineering, dated 12/20/2023, signed and sealed by Wayne K. Helmila, P.E.

2. Statement letter of no financial interest, issued by Rice Engineering, dated 12/20/2023, signed and sealed by Wayne K. Helmila, P.E

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0117.02
Expiration Date: July 5, 2029
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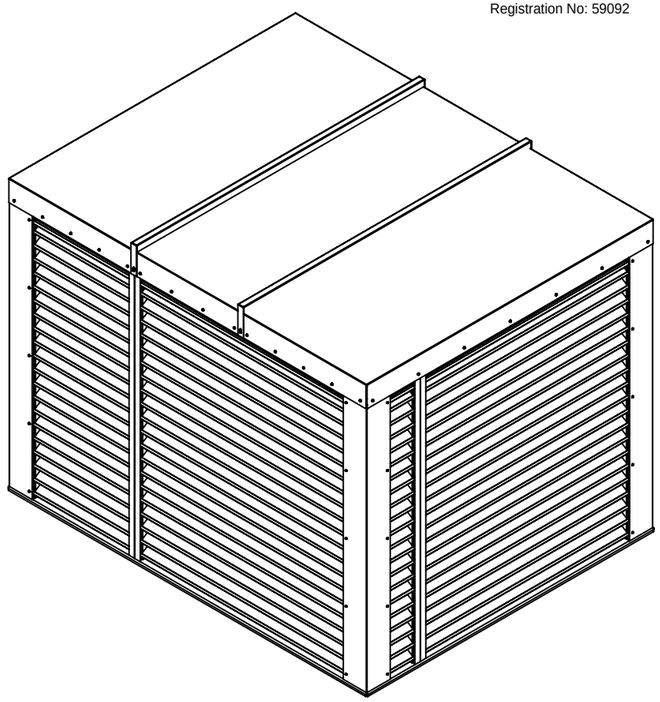
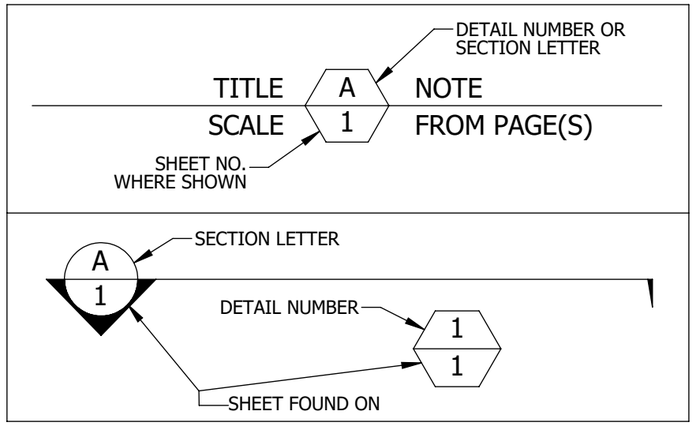
NOTES:
1. THE EFD-635-MD-PH PENTHOUSE HAS BEEN DESIGNED AND TESTED TO ATTAIN MAXIMUM DESIGN PRESSURES OF 115 PSF AS TESTED IN ACCORDANCE WITH PROTOCOLS TAS 201, TAS 202 & TAS 203 FOR USE WITHIN HIGH VELOCITY HURRICANE-AFFECTED ZONES DEFINED BY THE FLORIDA BUILDING CODE.
2. ALL VARIATIONS ARE LARGE MISSILE IMPACT RESISTANT (80 FPS IMPACT SPEED).
3. UNITS OF MEASURE ARE FRACTIONAL INCHES UNLESS OTHERWISE SPECIFIED.
4. IT IS ASSUMED THAT THE PENTHOUSE SYSTEM DOES NOT SUPPORT ANY LOADS TRANSFERRED FROM THE CURB/BUILDING CONDITION.
5. IT IS ASSUMED THAT THE BUILDING CONDITIONS ARE ADEQUATELY DESIGNED TO SUPPORT LOADS IMPARTED BY THE PENTHOUSE SYSTEM.
6. ADDITIONALLY, THIS NOA INCLUDES AN OPTIONAL CURB WITH SUBSTRATE ANCHORS, DESIGNED AND TESTED WITH THE PENTHOUSE TO ATTAIN MAXIMUM DESIGN PRESSURE OF 115 PSF, IN ACCORDANCE WITH PROTOCOLS TAS 201, TAS 202 & TAS 203 FOR USE WITHIN HIGH VELOCITY HURRICANE-AFFECTED ZONES DEFINED BY THE FLORIDA BUILDING CODE. A PENTHOUSE WITHOUT THE CURB/ANCHORS OPTION STILL MAINTAINS FULL NOA APPROVAL. THE PENTHOUSE MANUFACTURER IS NOT RESPONSIBLE FOR QUALIFICATIONS, APPROVALS, INSTALLATION, FASTENENING, ETC. OF A CURB PROVIDED BY OTHERS.
7. BUILDING CONDITIONS OTHER THAN THOSE DENOTED CAN BE UTILIZED IF ANALYZED AND APPROVED BY A PROFESSIONAL ENGINEER.
8. PLATED/PAINTED STEEL ITEMS MAY BE REPLACED WITH EQUIVALENT STAINLESS STEEL.
9. 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, BY OTHERS.

TABLE 1				
PENTHOUSE THROAT SIZE LIMITATIONS				
MAX DESIGN PRESSURE	MIN PH THROAT (W X L)	MAX PH THROAT (W X L)	MIN LOUVER HEIGHT	MAX LOUVER HEIGHT
±115 PSF	12 X 12	84 X 108	12"	84"



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



PRODUCT APPROVED
as complying with the Florida Building Code
NOA–No. 24–0117.02
Approval Date 07/05/2024
By
Miami–Dade Product Control

P.E. STAMP

06/27/2024
COA: 9090

REV.	DESCRIPTION	DATE	DRAWN BY
3	ADD NEW SHEET 9 CURB DETAILS	6/24/2024	MSM
2	ADD CURB ASSEMBLY / PARTS	4/5/2024	MSM
1	INITIAL RELEASE	12/22/2023	MSM

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: COVER SHEET
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 1 of 15
SCALE:
DRAWING NUMBER
EFD-635-MD-PH NOA

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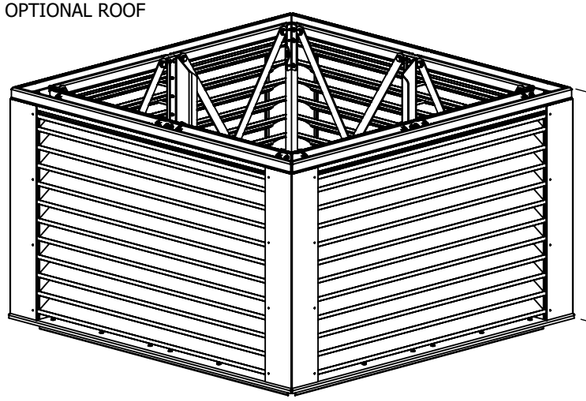
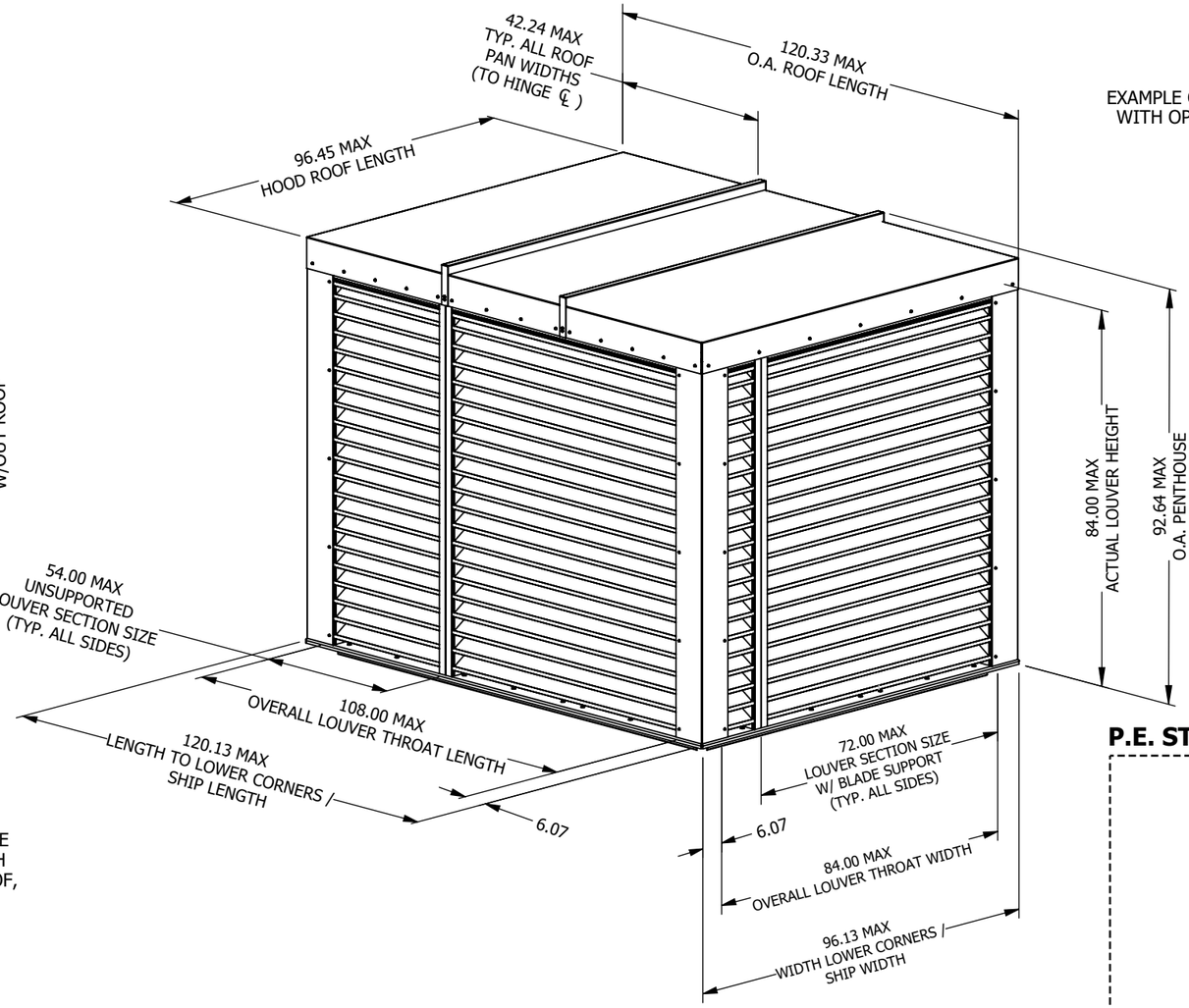
EXAMPLE OF PENTHOUSE
WITHOUT OPTIONAL ROOF



EXAMPLE OF PENTHOUSE
WITH OPTIONAL ROOF



STANDARD/OVERALL/MAX
DIMENSIONS & SECTIONS ARE
SAME FOR PENTHOUSES WITH
AND WITHOUT OPTIONAL ROOF,
UNLESS SHOWN.

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Registration No: 59092

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REV.	DESCRIPTION	DATE	DRAWN BY
3	ADD NEW SHEET 9 CURB DETAILS	6/24/2024	MSM
2	ADD CURB ASSEMBLY / PARTS	4/5/2024	MSM
1	INITIAL RELEASE	12/22/2023	MSM

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MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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

DRAWING DESCR:
GENERAL ASSEMBLY

PROJECT: EFD-635-MD-PH

PROJ. MGR.: BEN FORD | DRAWN BY: MSM

DATE: 9/7/2023 | CHK'D BY: BF

SHEET: 2 of 15 | SCALE:

DRAWING NUMBER
EFD-635-MD-PH NOA

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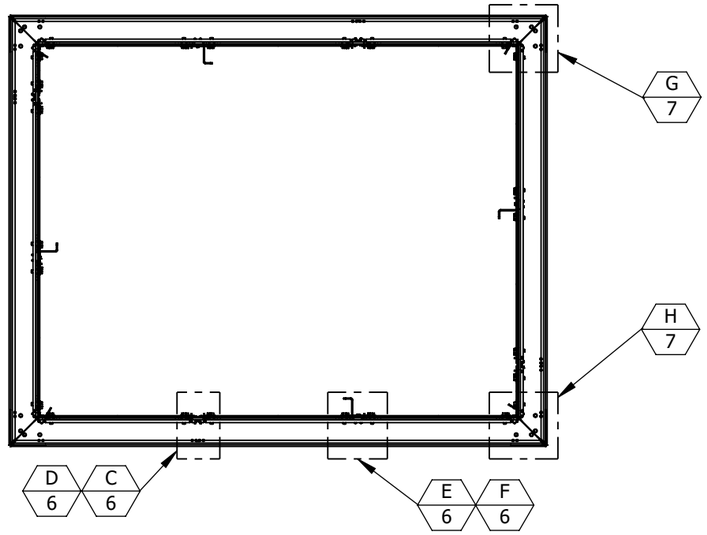

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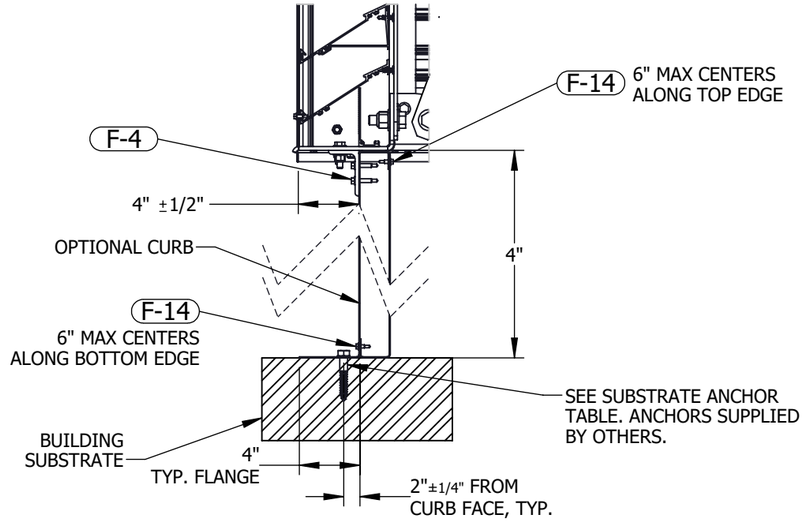
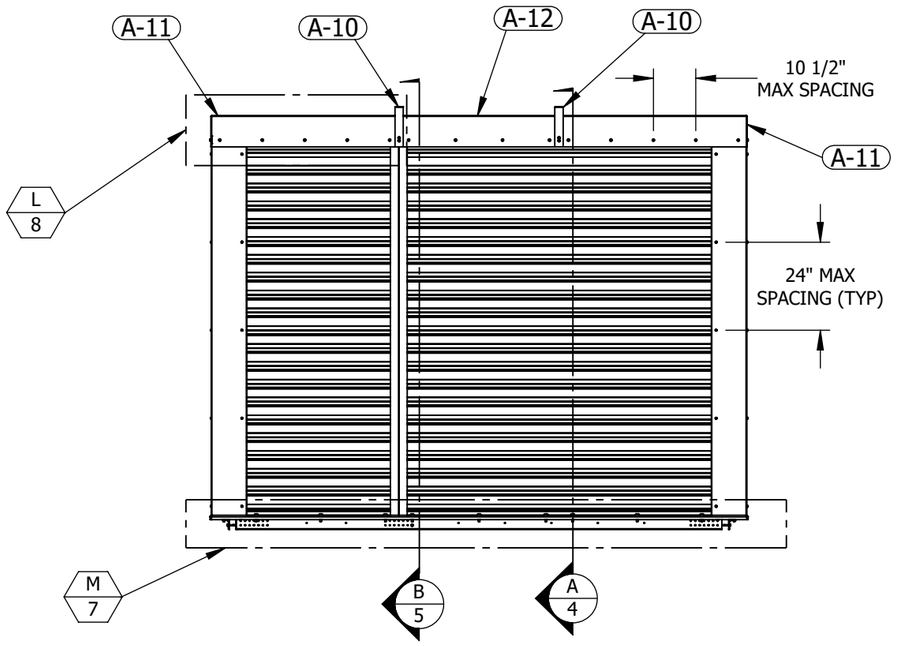
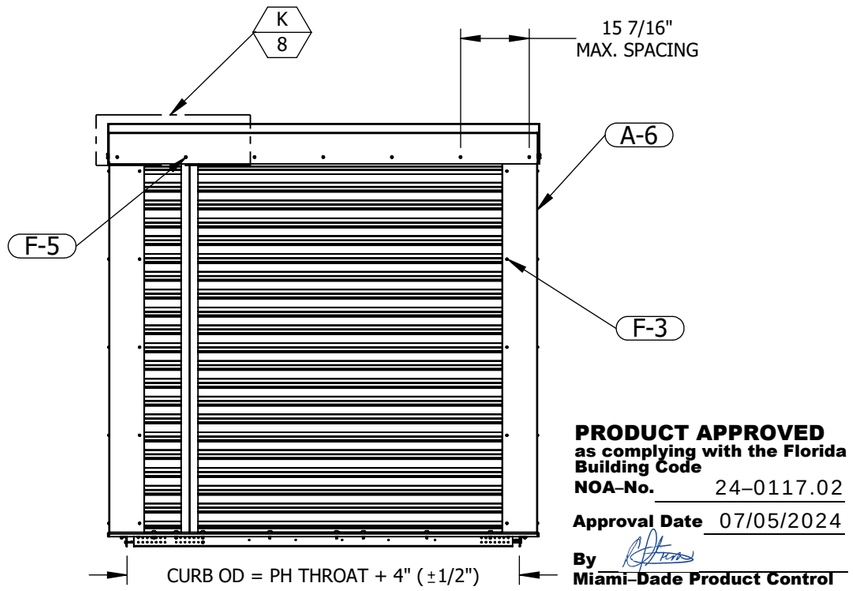


CURB CONNECTIONS 1/3 DETAIL 3
2" = 1'





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REV.	DESCRIPTION	DATE	DRAWN BY
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1	INITIAL RELEASE	12/22/2023	MSM

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DRAWING DESCR: GENERAL ASSEMBLY
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 3 of 15
SCALE:
DRAWING NUMBER
EFD-635-MD-PH NOA

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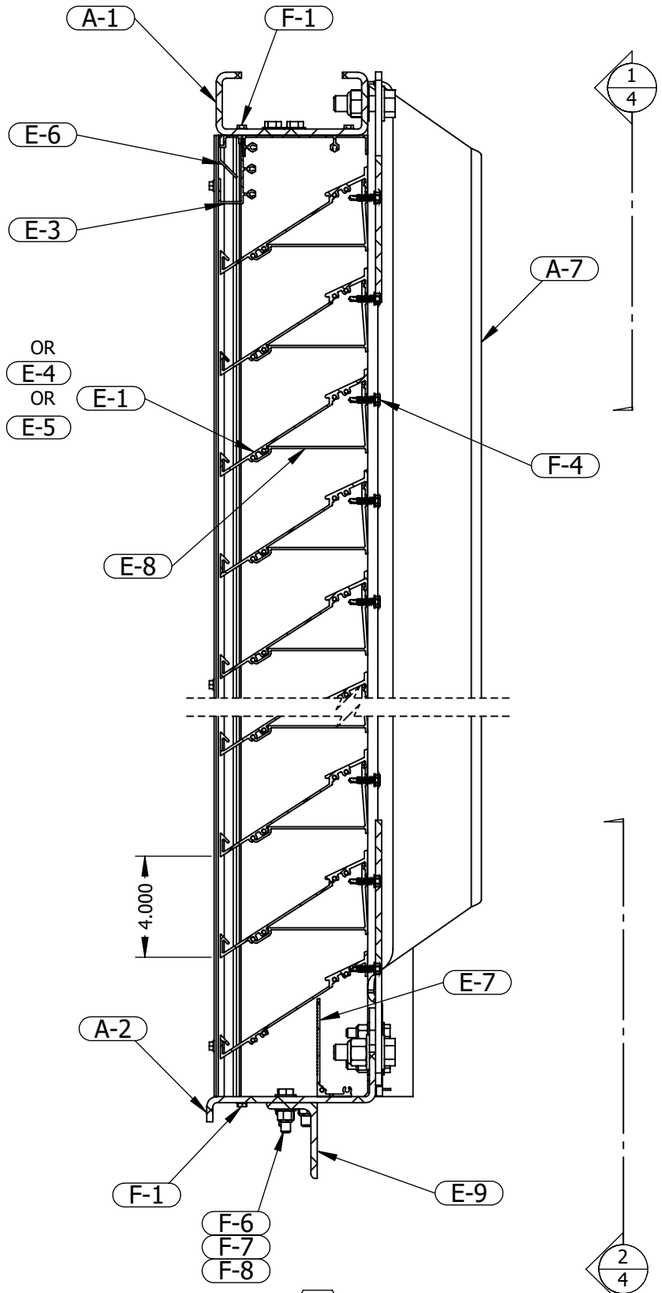
GENERAL LOUVER ASSEMBLY - WITH STIFFENER



LOUVER A/3 MID BLADE STIFFENER
2" = 1'

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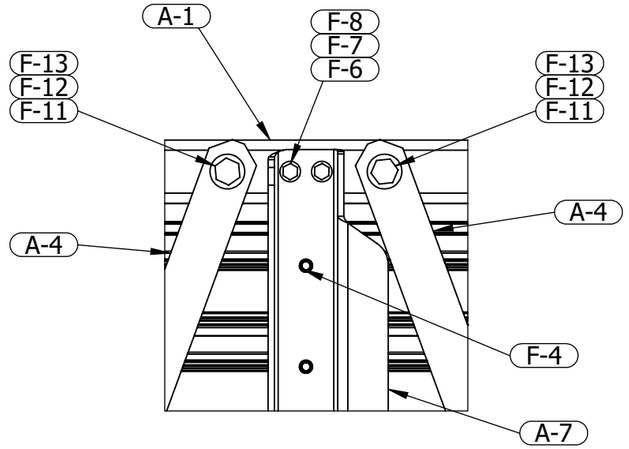
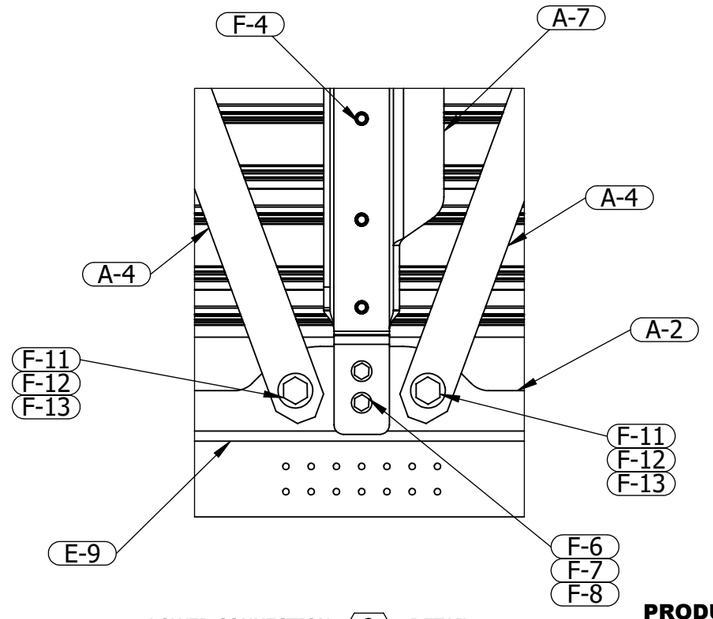


UPPER CONNECTION 1/4 DETAIL 4
2" = 1'



LOWER CONNECTION 2/4 DETAIL 4
2" = 1'

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COA: 9090

REV.	DESCRIPTION	DATE	DRAWN BY
3	ADD NEW SHEET 9 CURB DETAILS	6/24/2024	MSM
2	ADD CURB ASSEMBLY / PARTS	4/5/2024	MSM
1	INITIAL RELEASE	12/22/2023	MSM

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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: LOUVER ASSEMBLY WITH STIFFENER
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 4 of 15
SCALE:
DRAWING NUMBER: EFD-635-MD-PH NOA

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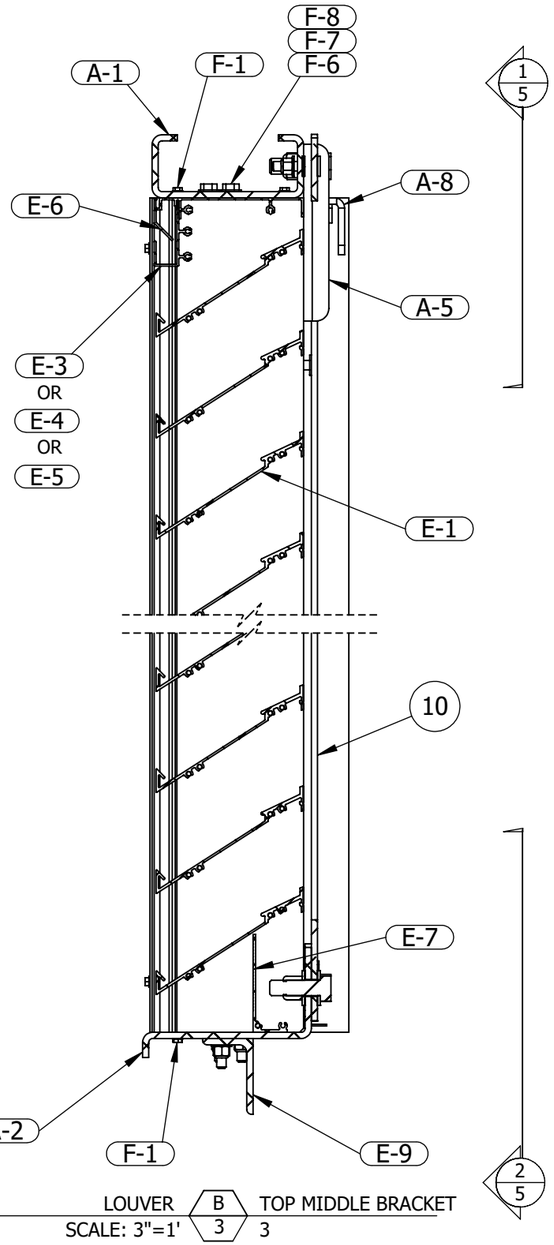
GENERAL LOUVER ASSEMBLY - WITH MULLION



LOUVER SCALE: 3"=1" — B/3 — TOP MIDDLE BRACKET 3

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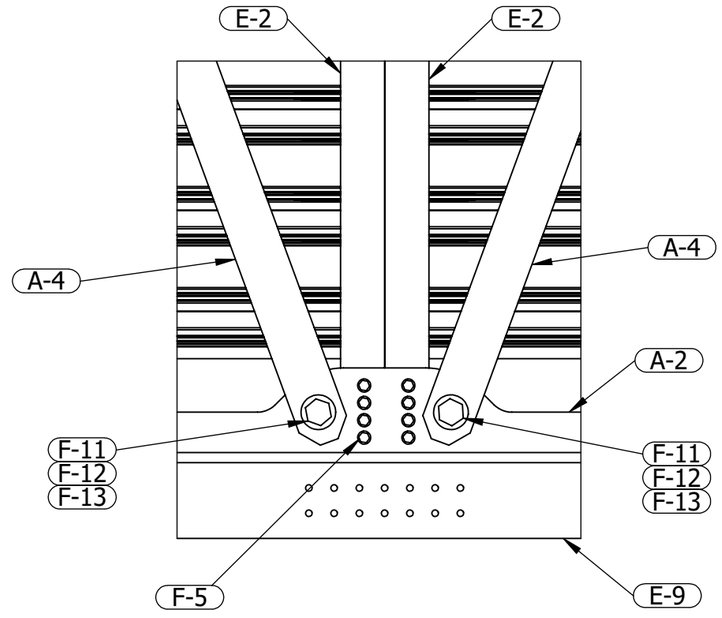
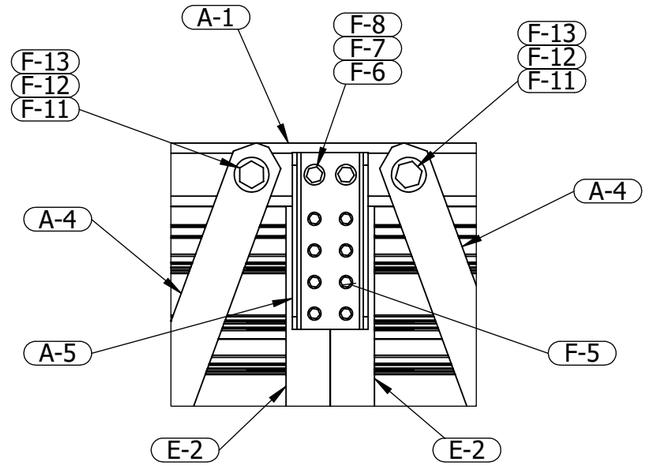


LOWER CONNECTION 2/5 DETAIL 5 — SCALE: 2"=1'



UPPPER CONNECTION 1/5 DETAIL 5 — SCALE: 2"=1'

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FRACTION ±1/16

MAX HOLE BREAKOUT:
15% OF MATERIAL THICKNESS

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DRAWING DESCR: LOUVER ASSEMBLY WITH MULLION
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 5 of 15
SCALE:
DRAWING NUMBER: EFD-635-MD-PH NOA

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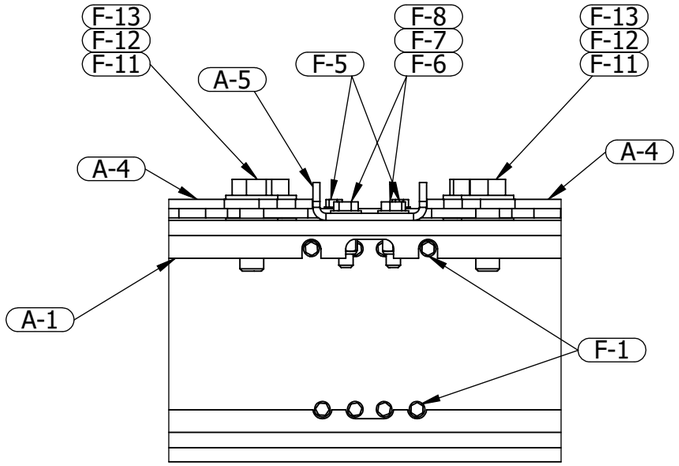
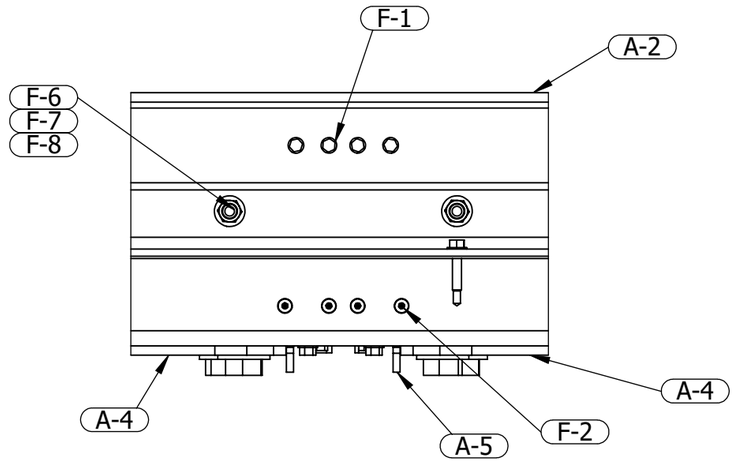
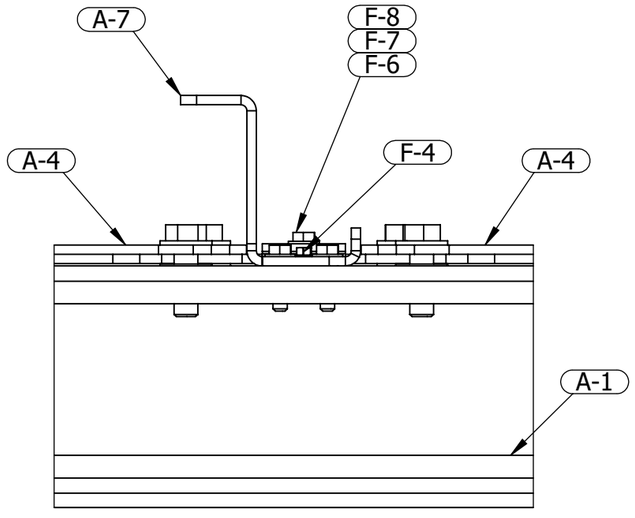
HEAD AND SILL CONNECTIONS



TOP MIDDLE BRACKET (C / 3) TOP VIEW
3" = 1' 3



TOP MIDDLE BRACKET (D / 3) BOTTOM VIEW
3" = 1' 3



MID BLADE STIFFENER (E / 3) TOP VIEW
3" = 1' 3

MID BLADE STIFFENER (F / 3) BOTTOM VIEW
3" = 1' 3

PRODUCT APPROVED
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X.XXX ±0.010
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FRACTION ±1/16

MAX HOLE BREAKOUT:
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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: HEAD AND SILL CONNECTIONS
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 6 of 15
SCALE:
DRAWING NUMBER: EFD-635-MD-PH NOA

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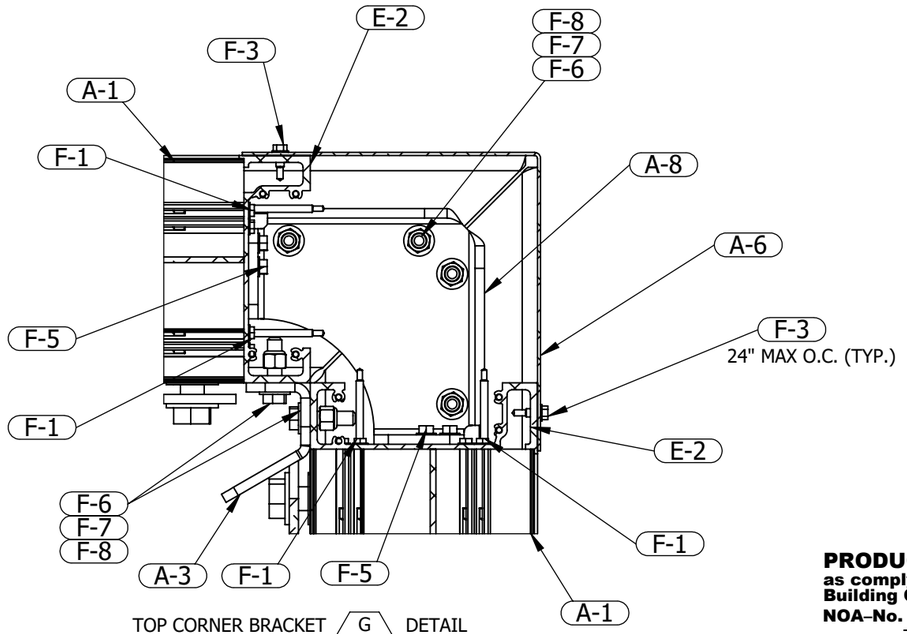
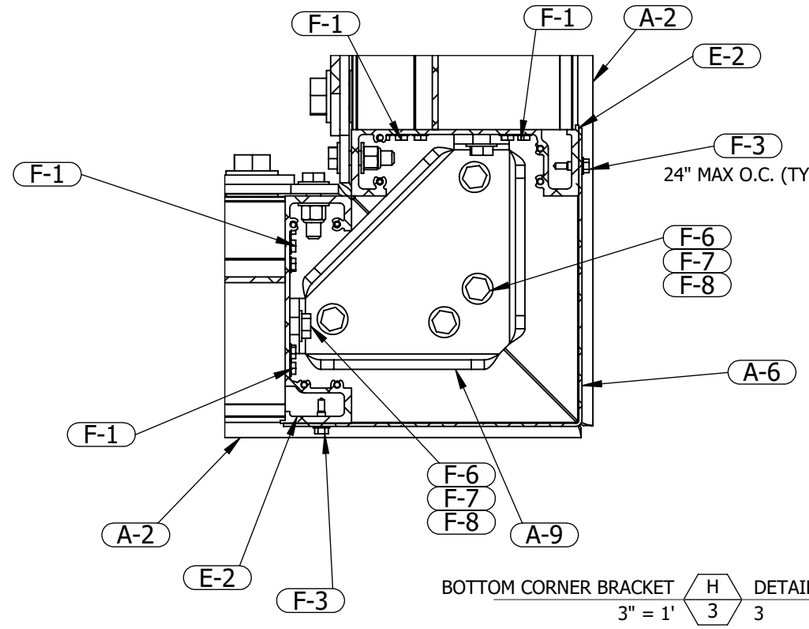
TOP AND BOTTOM CORNER BRACKET CONNECTIONS



TOP CORNER BRACKET (G / 3) DETAIL 3
3" = 1'



BOTTOM CORNER BRACKET (H / 3) DETAIL 3
3" = 1'

PRODUCT APPROVED
as complying with the Florida Building Code
NOA–No. 24–0117.02
Approval Date 07/05/2024
By
Miami–Dade Product Control

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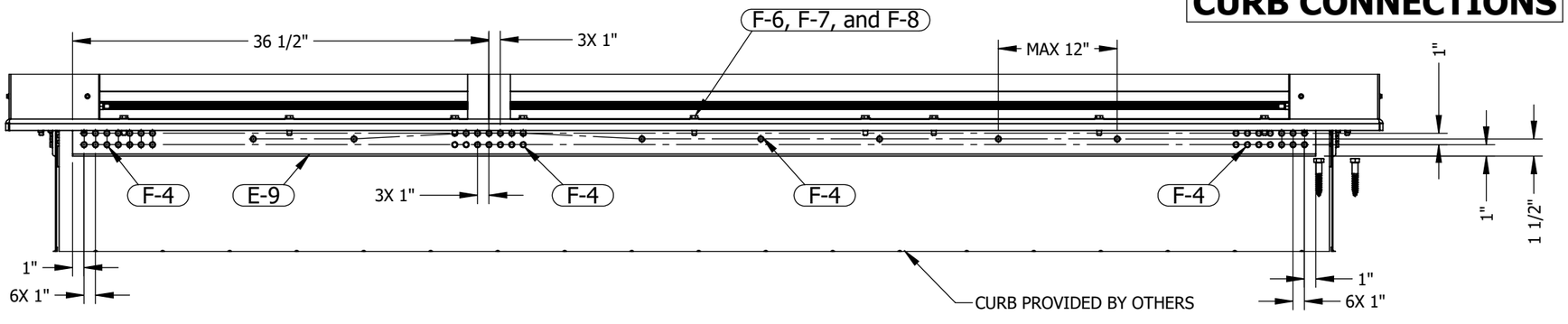
105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com

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

CURB CONNECTIONS



CURB ATTACHMENT (M / 3) DETAIL 3
SCALE: 1"=1'

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06/27/2024
COA: 9090

REV.	DESCRIPTION	DATE	DRAWN BY
3	ADD NEW SHEET 9 CURB DETAILS	6/24/2024	MSM
2	ADD CURB ASSEMBLY / PARTS	4/5/2024	MSM
1	INITIAL RELEASE	12/22/2023	MSM

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: CORNER BRACKET AND CURB CONNECTIONS
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 7 of 15
SCALE:
DRAWING NUMBER: EFD-635-MD-PH NOA

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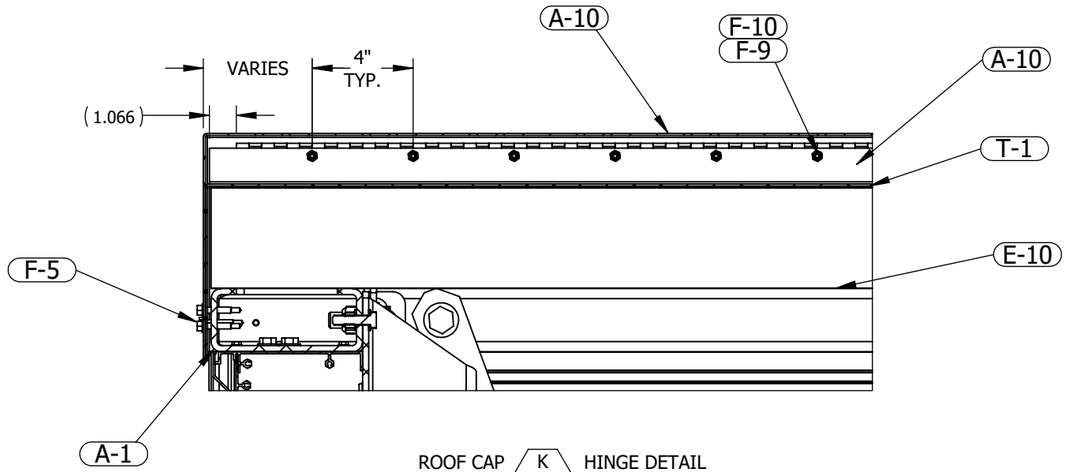
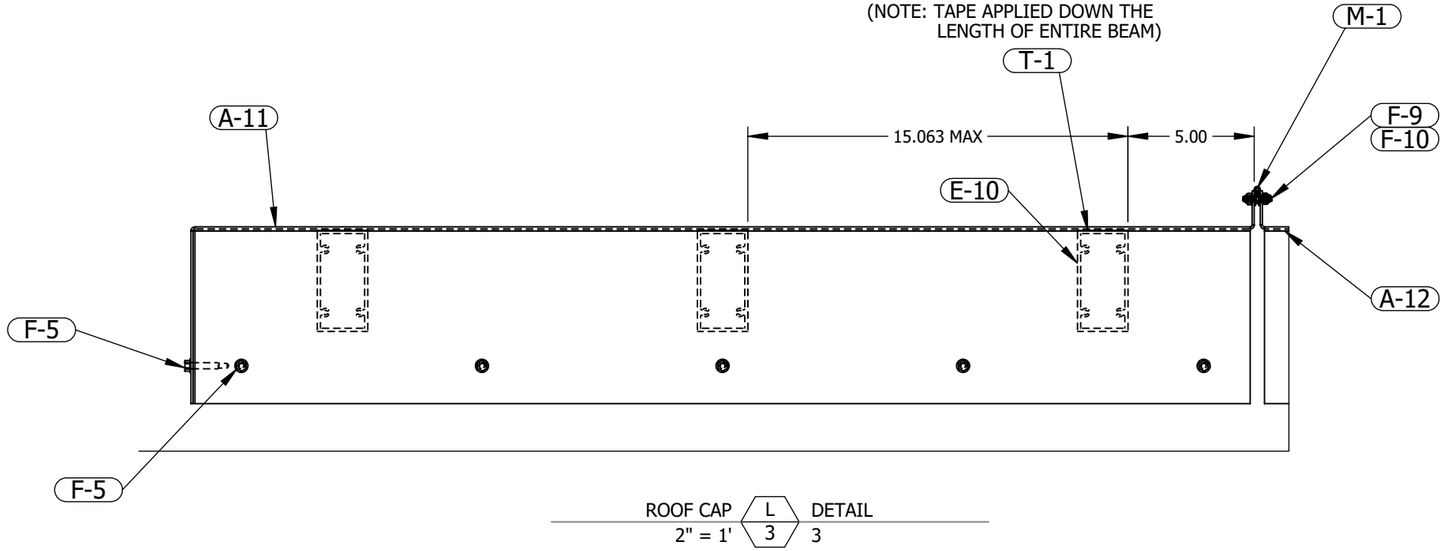
ROOF ASSEMBLY AND CONNECTIONS



ROOF CAP K 3 HINGE DETAIL
2" = 1' 3



ROOF CAP L 3 DETAIL
2" = 1' 3

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DRAWING DESCR: ROOF ASSEMBLY
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 8 of 15
SCALE:
DRAWING NUMBER
EFD-635-MD-PH NOA

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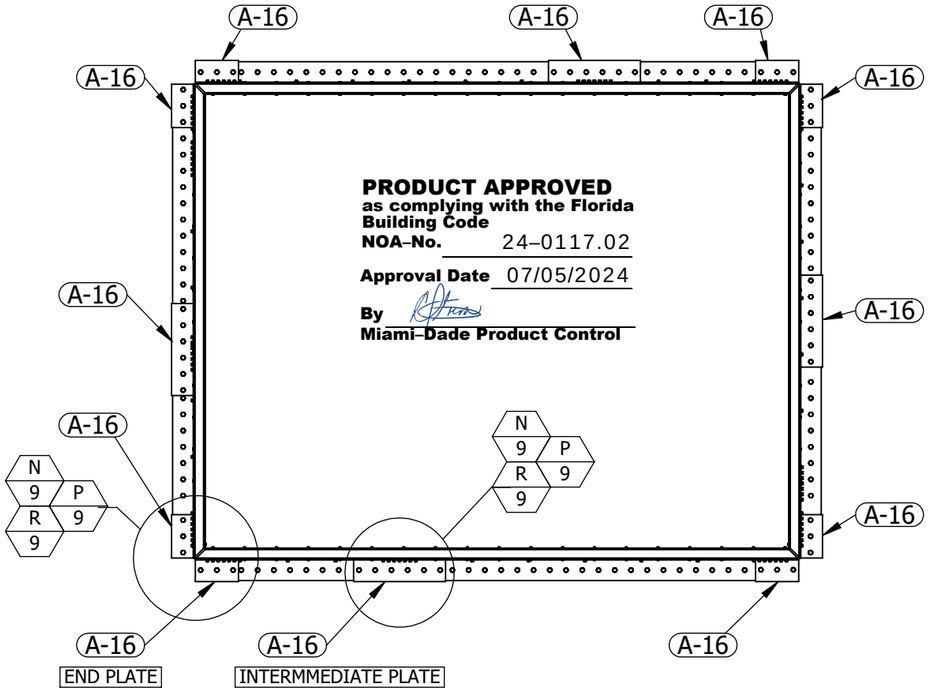
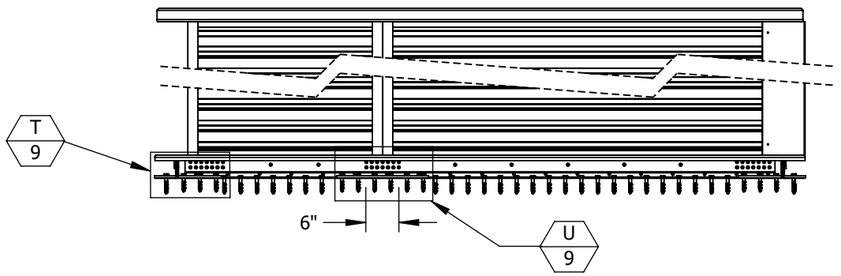
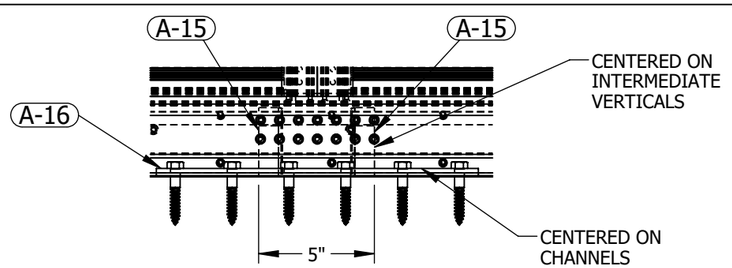
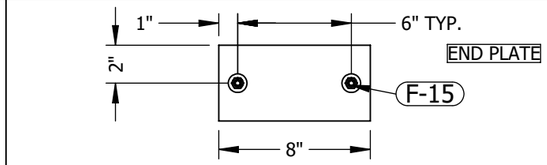
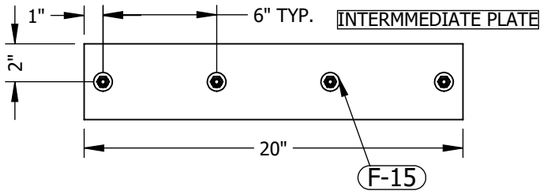




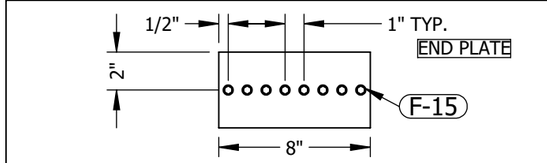


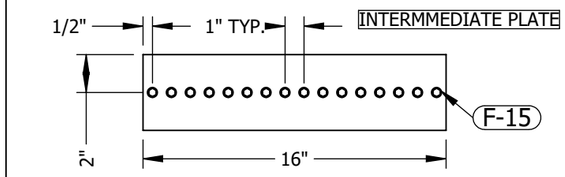
CURB CHANNEL U 9 DETAIL
SCALE 1 1/2" = 1' 9



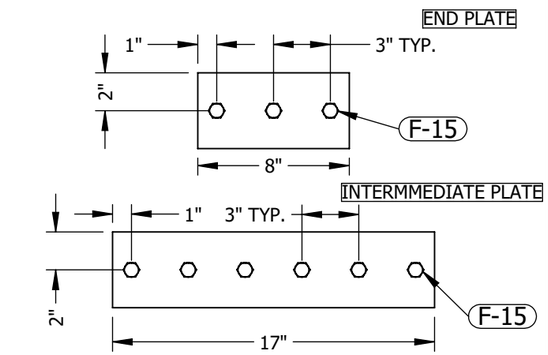


CONCRETE CONNECTIONS N 9 END & INTERMEDIATE PLATES
SCALE 1 1/2" = 1' 9

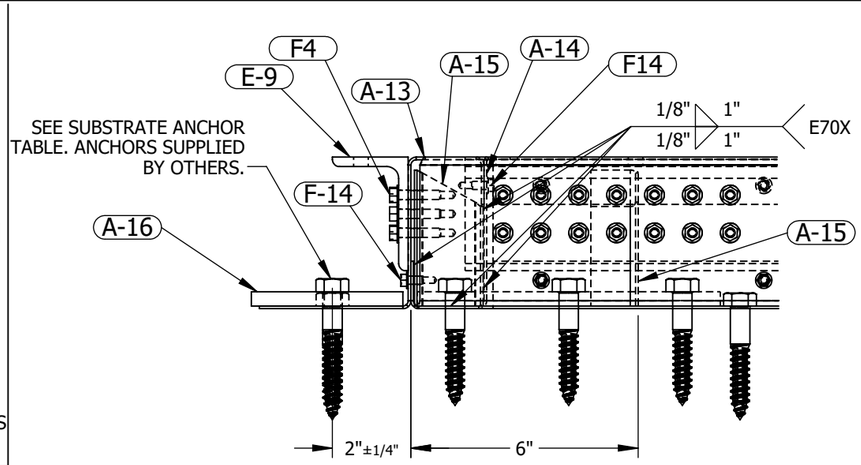




STEEL CONNECTIONS P 9 END & INTERMEDIAT PLATES
SCALE 1 1/2" = 1' 9



WOOD CONNECTIONS R 9 END & INTERMEDIATE PLATES
SCALE 1 1/2" = 1' 9



CURB T 9 WELD DETAIL
SCALE 3" = 1' 9

CURB ASSEMBLY TO SUBSTRATE CONNECTIONS

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06/27/2024
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REV.	DESCRIPTION	DATE	DRAWN BY
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THIRD ANGLE PROJECTION

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

DRAWING DESCR:

PROJECT: EFD-635-MD-PH

PROJ. MGR.: BEN FORD | DRAWN BY: MSM

DATE: 9/7/2023 | CHK'D BY: BF

SHEET: 9 of 15 | SCALE:

DRAWING NUMBER

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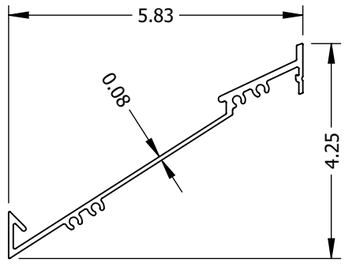
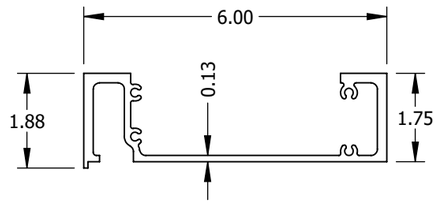
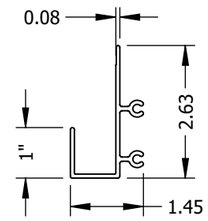


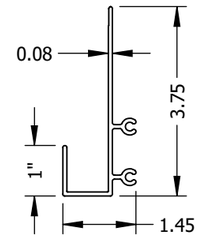
PART NO.: E-1
DESCRIPTION: AL EXTR, BLADE
MATERIAL: 6063-T6 EXTRUDED ALUMINUM
SCALE: 4" = 1'-0"



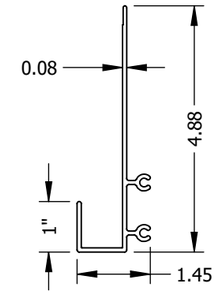
PART NO.: E-2
DESCRIPTION: JAMB,
MATERIAL: 6005-T6 EXTRUDED ALUMINUM
SCALE: 4" = 1'-0"



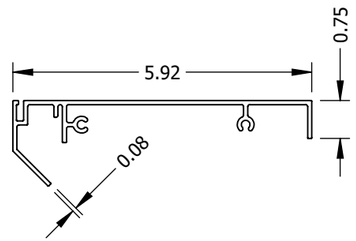
PART NO.: E-3
DESCRIPTION: BLADE DRIP, 2.625"
MATERIAL: 6063-T5 EXTRUDED ALUMINUM
SCALE: 4" = 1'-0"



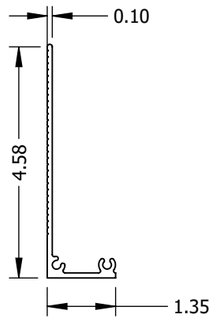
PART NO.: E-4
DESCRIPTION: BLADE DRIP, 3.75"
MATERIAL: 6063-T5 EXTRUDED ALUMINUM
SCALE: 4" = 1'-0"



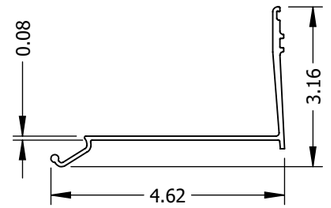
PART NO.: E-5
DESCRIPTION: BLADE DRIP, 4.875"
MATERIAL: 6063-T5 EXTRUDED ALUMINUM
SCALE: 4" = 1'-0"



PART NO.: E-6
DESCRIPTION: 6" DRAINABLE HEAD
MATERIAL: 6063-T5 EXTRUDED ALUMINUM
SCALE: 4" = 1'-0"

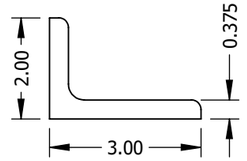


PART NO.: E-7
DESCRIPTION: BLADE STOP
MATERIAL: 6063-T5 EXTRUDED ALUMINUM
SCALE: 4" = 1'-0"

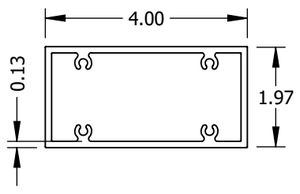


PART NO.: E-8
DESCRIPTION: BLADE BRACE
MATERIAL: 6063-T6 EXTRUDED ALUMINUM+
LENGTH: 1.5"
SCALE: 4" = 1'-0"

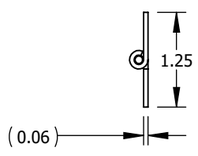
PART NO.: E-9
DESCRIPTION: MOUNTING ANGLE
MATERIAL: 6061-T6 ALUMINUM
SCALE: 4" = 1'-0"



PART NO.: E-10
DESCRIPTION: ROOF BEAM
MATERIAL: 6063-T5 ALUMINUM
SCALE: 4" = 1'-0"



PART NO.: M-1
DESCRIPTION: PIANO HINGE
MATERIAL: 300 SERIES SST
LENGTH: VARIES UP TO 36"
SCALE: 6" = 1'-0"



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STATE OF FLORIDA
PROFESSIONAL ENGINEER

06/27/2024
COA: 9090

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BILL OF MATERIALS

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DRAWING DESCR: BILL OF MATERIALS
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 10 of 15
SCALE:
DRAWING NUMBER: EFD-635-MD-PH NOA

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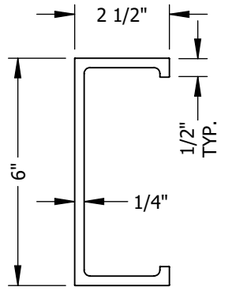
PART NO.: A-1
DESCRIPTION: HEAD, EFD-635-MD-PH
MATERIAL: 6005-T6 ALUMINUM
SCALE: 3" = 1'-0"



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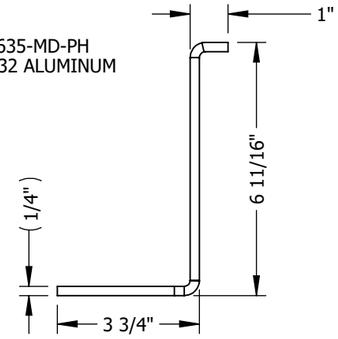
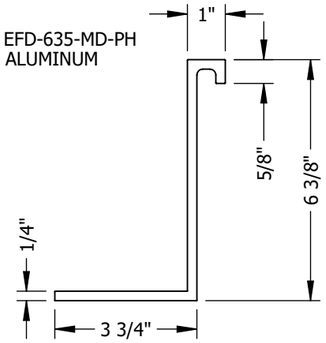
Registration No: 59092

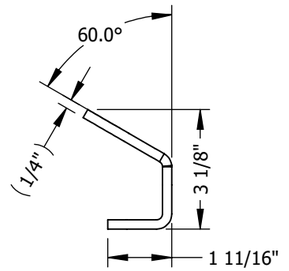
PART NO.: A-2
DESCRIPTION: SILL, EFD-635-MD-PH
MATERIAL: 0.250" 5052-H32 ALUMINUM
SCALE: 3" = 1'-0"



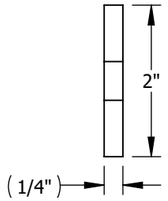
OR

PART NO.: A-2
DESCRIPTION: SILL, EFD-635-MD-PH
MATERIAL: 6005-T6 ALUMINUM
SCALE: 3" = 1'-0"

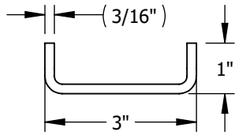




PART NO.: A-3
DESCRIPTION: LIFTING LUG, EFD-635-MD-PH
MATERIAL: 0.250" 5052-H32 ALUMINUM
LENGTH" 10"
SCALE: 4" = 1'-0"

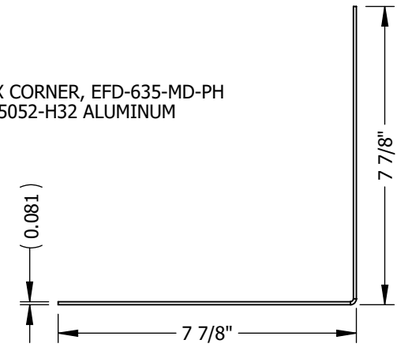


PART NO.: A-4
DESCRIPTION: LOUVER PANEL STRAP
MATERIAL: 0.250" 5052-H32 ALUMINUM
SCALE: 6" = 1'-0"



PART NO.: A-5
DESCRIPTION: TOP MIDDLE BRACKET,
EFD-635-MD-PH
MATERIAL: 0.188" 5052-H32 ALUMINUM
LENGTH: 7"
SCALE: 4" = 1'-0"

PART NO.: A-6
DESCRIPTION: BOX CORNER, EFD-635-MD-PH
MATERIAL: 0.081" 5052-H32 ALUMINUM
SCALE: 3" = 1'-0"



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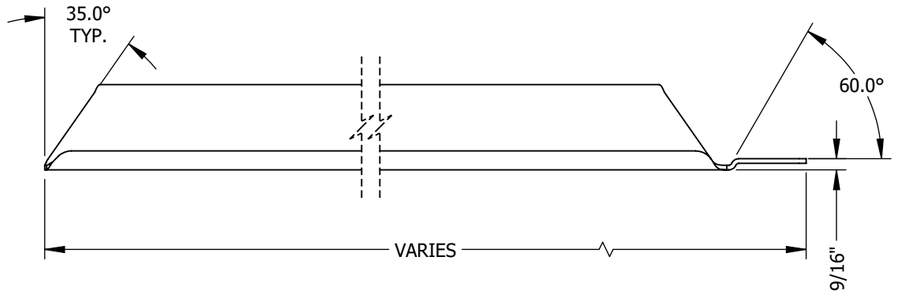
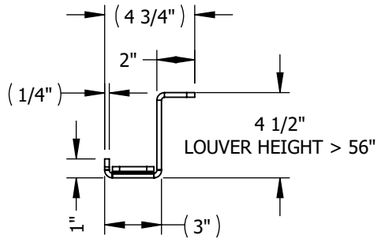
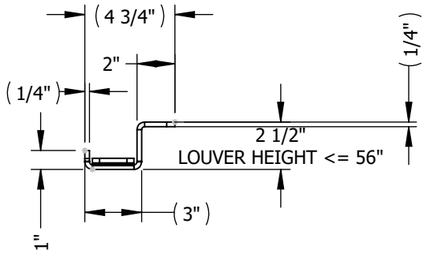


PRODUCT APPROVED
as complying with the Florida Building Code
NOA–No. 24–0117.02
Approval Date 07/05/2024
By
Miami–Dade Product Control

PART NO.: A-7
DESCRIPTION: MID BLADE STIFFENER, EFD-635-MD-PH
MATERIAL: 0.250" 5052-H32 ALUMINUM
SCALE: 1-1/2" = 1'-0"





06/27/2024
COA: 9090

BILL OF MATERIALS

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: BILL OF MATERIALS
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 11 of 15
SCALE:
DRAWING NUMBER: EFD-635-MD-PH NOA

REV.	DESCRIPTION	DATE	DRAWN BY
3	ADD NEW SHEET 9 CURB DETAILS	6/24/2024	MSM
2	ADD CURB ASSEMBLY / PARTS	4/5/2024	MSM
1	INITIAL RELEASE	12/22/2023	MSM

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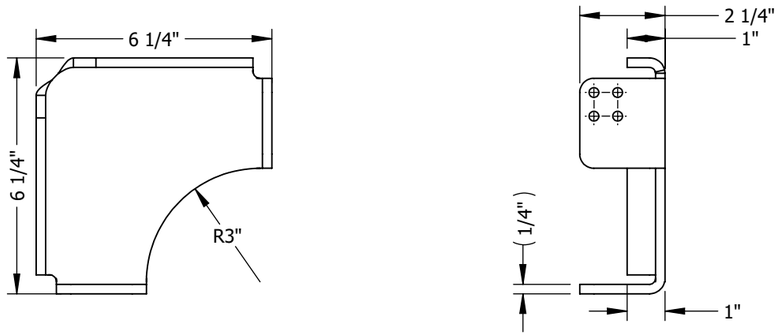
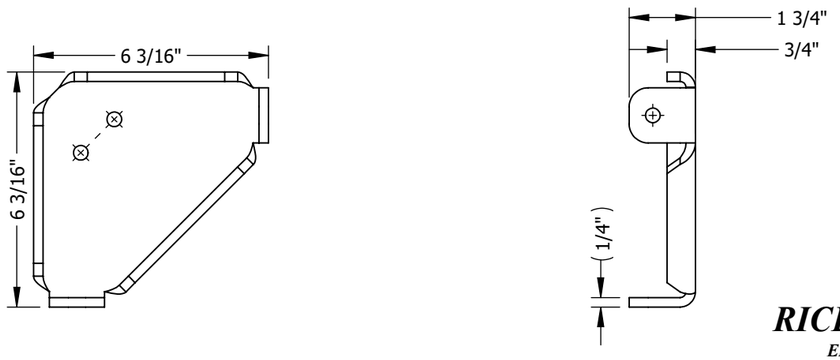


PART NO.: A-8
DESCRIPTION: TOP CORNER BRACKET, EFD-635-MD-PH
MATERIAL: 0.250" 5052-H32 ALUMINUM
SCALE: 4" = 1'-0"



PART NO.: A-9
DESCRIPTION: BOTTOM CORNER BRACKET, EFD-635-MD-PH
MATERIAL: 0.250" 5052-H32 ALUMINUM
SCALE: 4" = 1'-0"

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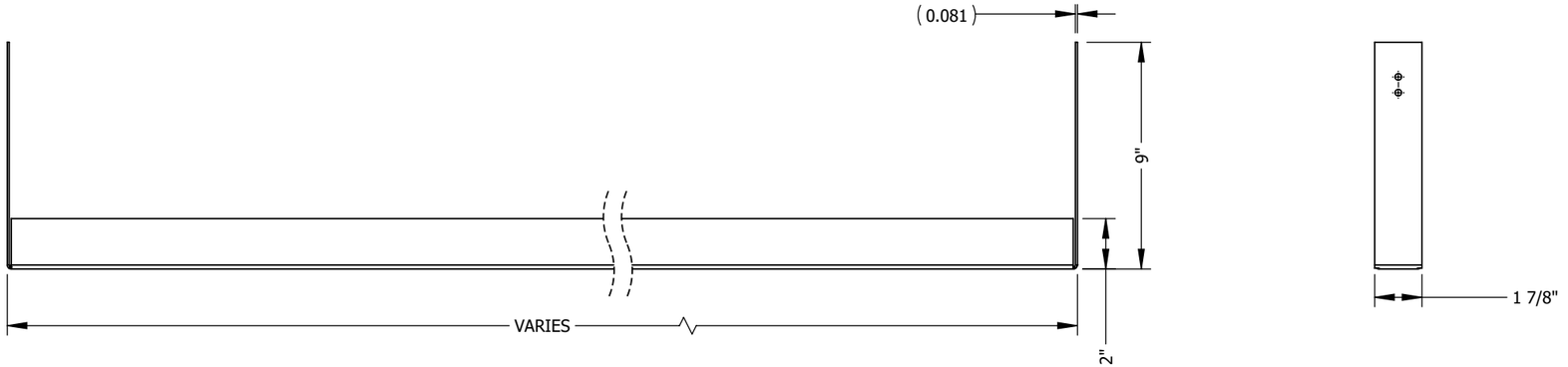
105 School Creek Trail
Luxemburg, WI 54217
Phone: (920) 617-1042
Fax: (920) 617-1100
www.rice-inc.com

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



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PART NO.: A-10
DESCRIPTION: HINGE ROOF CAP, EFD-635-MD-PH
MATERIAL: 0.081" 5052-H32 ALUMINUM
SCALE: 2" = 1'-0"

BILL OF MATERIALS

REV.	DESCRIPTION	DATE	DRAWN BY
3	ADD NEW SHEET 9 CURB DETAILS	6/24/2024	MSM
2	ADD CURB ASSEMBLY / PARTS	4/5/2024	MSM
1	INITIAL RELEASE	12/22/2023	MSM

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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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THIRD ANGLE PROJECTION

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

DRAWING DESCR: BILL OF MATERIALS
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 12 of 15
SCALE:
DRAWING NUMBER: EFD-635-MD-PH NOA

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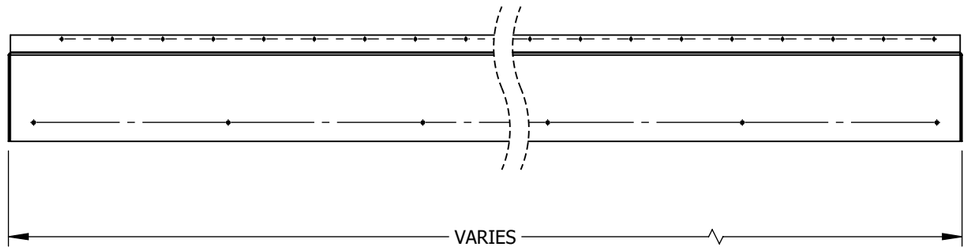
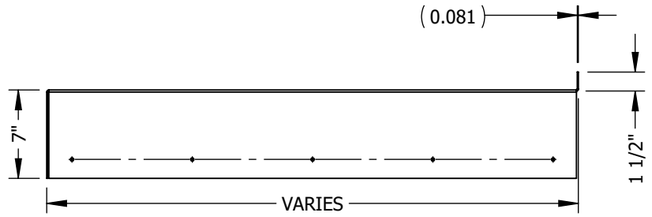
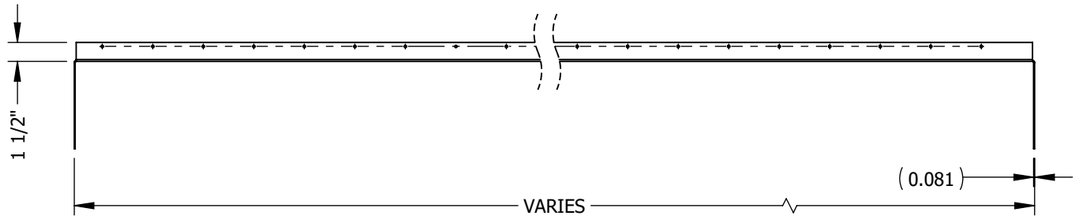
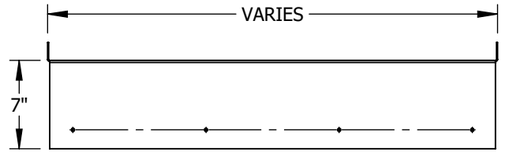
PART NO.: A-11
DESCRIPTION: END ROOF CAP, EFD-635-MD-PH
MATERIAL: 0.081" 5052-H32 ALUMINUM
SCALE: 1" = 1'-0"





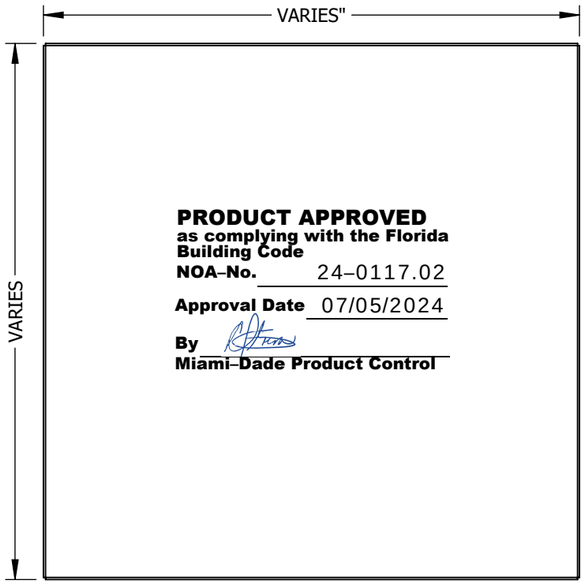
PART NO.: A-12
DESCRIPTION: MID ROOF CAP , EFD-635-MD-PH
MATERIAL: 0.081" 5052-H32 ALUMINUM
SCALE: 1" = 1'-0"

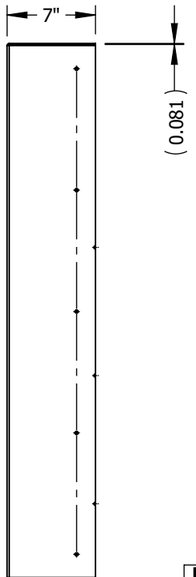




2

PART NO.: A-15
DESCRIPTION: SINGLE ROOF CAP, EFD-635-MD-PH
MATERIAL: 0.081" 5052-H32 ALUMINUM
SCALE: 1" = 1'-0"





PRODUCT APPROVED
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NOA–No. 24–0117.02
Approval Date 07/05/2024
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Florida Firm No: F-01000005061
Certificate of Authorization: #9090
Wayne K. Helmila
Registration No: 59092

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06/27/2024
COA: 9090

BILL OF MATERIALS

REV.	DESCRIPTION	DATE	DRAWN BY
3	ADD NEW SHEET 9 CURB DETAILS	6/24/2024	MSM
2	ADD CURB ASSEMBLY / PARTS	4/5/2024	MSM
1	INITIAL RELEASE	12/22/2023	MSM

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: BILL OF MATERIALS
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 13 of 15
SCALE:
DRAWING NUMBER: EFD-635-MD-PH NOA

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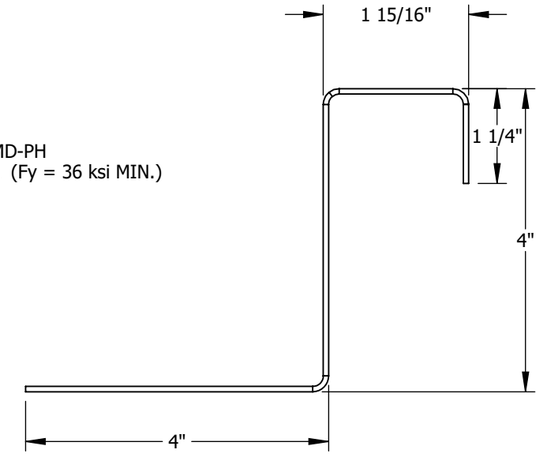
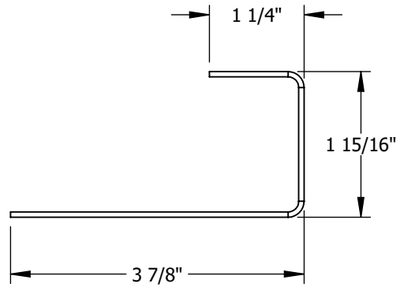
2 PART NO.: A-13
DESCRIPTION: CURB Z PROFILE, EFD-635-MD-PH
MATERIAL: 14 GA GALV OR PAINTED STEEL (Fy = 36 ksi MIN.)
SCALE: 6" = 1'-0"



2 PART NO.: A-14
DESCRIPTION: CURB MOUNTING SKIN, EFD-635-MD-PH
MATERIAL: 14 GA GALV OR PAINTED STEEL (Fy = 36 ksi MIN.)
SCALE: 6" = 1'-0"



PART NO.: A-16
DESCRIPTION: CURB ANCHOR PLATE
MATERIAL: 6061-T6 ALUMINUM
SCALE: 6" = 1'-0"

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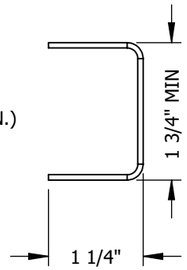
By _____
Miami–Dade Product Control

PART NO.: A-15
DESCRIPTION: CURB VERICAL CHANNEL
MATERIAL: 14 GA GALV OR PAINTED STEEL (Fy = 36 ksi MIN.)
SCALE: 6" = 1'-0"



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

06/27/2024
COA: 9090

RICE
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Luxemburg, WI 54217
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BILL OF MATERIALS

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

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Phone: 817-509-2300
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DRAWING DESCR: BILL OF MATERIAL
PROJECT: EFD-635-MD-PH
PROJ. MGR.: BEN FORD
DRAWN BY: MSM
DATE: 9/7/2023
CHK'D BY: BF
SHEET: 14 of 15
SCALE:
DRAWING NUMBER

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SUBSTRATE ANCHOR SCHEDULE												
ITEM #	SUBSTRATE			ANCHOR				MAX. SPACING	MIN. EMBEDMENT / PENETRATION	MIN. SUBSTRATE EDGE DIST.	MIN. SUBSTRATE END DIST.	SUBSTRATE HOLE
	TYPE	MIN. STRENGTH	MIN. THICKNESS	TYPE	DIA./THREAD	MIN. LENGTH	MATERIAL					
F-15	WOOD	S.G. ≥ 0.42	3"	LAG BOLT W/WASHER	1/2"	3" TYP., 3-1/2" AT PLATES	NOTE 1, 2, 4	3"	2" TYP., 3" AT PLATES	2"	2 5/8"	NOTE 3
			2"	THRU BOLT W/WASHERS, LOCK NUT	1/2"		NOTE 1, 2, 4		THRU BOLT			
	STEEL	Fy ≥ 50 KSI	16 GA	ELCO BI-FLEX OR DRIL-FLEX	1/4"-14	1"	NOTE 1, 2, 4	3" 1" AT PLATES	FULL THREAD ENGAGEMENT	1/2"	1/2"	
				THRU BOLT W/WASHERS, LOCK NUT	1/4"-20							
		Fy ≥ 36 KSI	1/8"	ELCO BI-FLEX OR DRIL-FLEX	1/4"-14							
				THRU BOLT W/WASHERS, LOCK NUT	1/4"-20							
	CONCRETE	4 KSI, CRACKED	4"	HILTI KWIK TZ2 EXPANSION ANCHOR	3/8"	3"	NOTE 1, 2, 4	6"	2.5"	5"	8"	
				THRU BOLT W/WASHERS, LOCK NUT	3/8"-16	5"			THRU BOLT			

2 NOTES:
1. LAG SCREWS HAVE STRENGTHS OF Fy = 65 ksi MINIMUM.
2. ALL INSTALLATION FASTENERS AND ANCHORS SHALL BE OF CORROSION-RESISTANT STEEL.
3. SEE FASTENER MANUFACTURES INSTRUCTIONS.
4. UNLESS FASTENERS ARE 300 SS OR HOT DIP GALV., SEAL FASTENERS ATTACHING TO THE SUBSTRATE WITH LIQUID PROSOCO FLASHING OR EQUAL.

MISCELLANEOUS FASTENERS		
ITEM N0	DESCRIPTION	MATERIAL
T-1	TAPE, 3M, 1-1/2" WIDE, 0.063 THICK, DOUBLE BACK	GPH160GF
F-1	SCREW, TEK, HWH, 10-16 X 2" LG, INSTALL FASTENER	18-8/300 SST
F-2	SCREW, FL HD, 10-24 X 1" LG, T-20 TORX, TYP F THREAD CUTTING (ALIGNMENT SCREW - NON-STRUCTURAL)	410 or 18-8/300 SST
F-3	SCREW, HWH, TEK, 12-14 X 3/4" LG	18-8 / 300 SERIES SST
F-4	SCREW, HWH, TEK, 1/4-14 X 1" LG	
F-5	SCREW, TEK, HWH, 1/4-14 X 1-1/2" LG	
F-6	BOLT, HEX HEAD, 3/8-16 UNC X 1-1/2" LG	
F-7	WASHER, TYPE A PLAIN, FOR 3/8" BOLT	
F-8	NUT, HEX W/ NYLON INSERT, 3/8-16 UNC	
F-9	10-32 NYLOC HEX NUT	
F-10	10-32 X 1/2", HEX SCREW	
F-11	BOLT, HEX, 5/8-11 UNC X 1.5" LG MIN.	
F-12	WASHER, FLAT, FOR 5/8" BOLT	
F-13	LOCK NUT, HEX, NYLON INSERT, 5/8-11 UNC-B	
2 F-14	SCREW, HWH,TEK, 10-16 X 3/4" LG	

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

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PROJ. MGR.: BEN FORD
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DATE: 9/7/2023
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SCALE:
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