



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/economy

Ruskin Company
3900 Dr. Greaves Road
Grandview, MO 64030

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 EME5625MDE Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022588-00D**, titled "EME5625MDE / Wind-Driven Rain Resistant Louver", sheets 1 through 11 of 11, dated 05/21/2021, with revision B dated 02/15/2023, prepared by Ruskin Company, signed and sealed by Jeffrey D. Smith, 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: Each unit shall bear a permanent label with the manufacturer's name or logo, Schofield, WI or Frankfort, KY, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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 # 23-0328.06** 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 **Sifang Zhao, P.E.**



S.Z.
02/15/2024

NOA No. 23-1116.15
Expiration Date: December 30, 2026
Approval Date: February 15, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **60-022588-00D**, titled “EME5625MDE / Wind-Driven Rain Resistant Louver”, sheets 1 through 11 of 11, dated 05/21/2021, with revision B dated 02/15/2023, prepared by Ruskin Company, signed and sealed by Jeffrey D. Smith, P.E. *“Submitted under NOA # 23-0328.06*

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 marked-up drawings and installation diagram of EME5625MDE fixed aluminum louvers, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-210-4224-01**, dated 06/23/2021, signed and sealed by Douglas J. McDougall, P.E.
“Submitted under NOA # 21-1021.03
2. Test report on Large Missile Impact (Level “E”) per AMCA 540-13 of EME5625MDE fixed aluminum louvers, prepared by Intertek, Test Report No. **L7566.01-801-44 R0**, dated 08/13/2021, signed and sealed by Tyler Westerling, P.E.
“Submitted under NOA # 21-1021.03
3. Test report on High Velocity Wind Driven Rain Resistance per AMCA 550-15 of an EME5625MD fixed aluminum louver, prepared by Intertek, Test Report No. **K9094.01-801-44 R0**, dated 02/08/2021, signed and sealed by Tyler Westerling, P.E.
“Submitted under NOA # 21-1021.03

C. CALCULATIONS

1. Louver Wind Load Review, prepared by Ruskin Company, dated 08/05/2021, signed and sealed by Jeffrey D. Smith, P.E. *“Submitted under NOA # 21-1021.03”*
2. EME5625MDE Louver Wind Load Review, prepared by Ruskin Company, dated 02/17/2023, signed and sealed by Jeffrey D. Smith, P.E.
“Submitted under NOA # 23-0328.06”

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-1116.15
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F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) of the FBC and of no financial interest, issued by Ruskin Company, dated 11/18/2021, signed and sealed by Jeffrey D. Smith, P.E. *“Submitted under NOA # 21-1021.03”*
2. Statement letter of code conformance to the **8th Edition** (2023) of the FBC and of no financial interest, issued by Ruskin Company, dated 10/30/2023, signed and sealed by Jeffrey Devon Smith, P.E.

G. OTHER

1. This NOA **revises NOA # 23-0328.06** for the 8th edition (2023) of the FBC update.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-1116.15
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PARTS LIST			
FOR STANDARD LOUVER			
ITEM	DESCRIPTION	MATERIAL	ALLOY
1	HEAD FRAME	EXTRUDED ALUMINUM	6063-T6
2	SILL FRAME	EXTRUDED ALUMINUM	6063-T6
3	JAMB FRAME-LH	EXTRUDED ALUMINUM	6063-T6
4	JAMB FRAME-RH	EXTRUDED ALUMINUM	6063-T6
5	BLADE	EXTRUDED ALUMINUM	6063-T6
6	WATERSTOP	EXTRUDED ALUMINUM	6063-T5
7	H.H.B.S.	EXTRUDED ALUMINUM	6063-T6
8	SCR 12-14X2 HWH SLOTTED DRIVE AB ZC	410 SS/ZC	-
9	#12 BONDED SEALING WASHER	NEOPRENE	-
10	SCR 10-16 X2" HWH SW A/B	410 SS/ZC	-
11	SCR 8-18 X .75 HWH SW A/B	410 SS/ZC	-
12	SCR 10X1.0 HWH TEK 410 ZC	410 SS/ZC	-
13	ACRYL-R SEALANT	-	-

MULTI-SECTION PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	ALLOY
14	SPL PLT LVR ALUM 2X4X.125	ALUMINUM	3003-H14

SHIP LOOSE			
ITEM	DESCRIPTION	MATERIAL	ALLOY
15	INSTALL ANGLE 2" X 2" X 1/4"	EXTRUDED ALUMINUM	6063-T6
16	CONT. RETAINING ANGLE - 1/4" X 2"	FORMED ALUMINUM	3003-H14
17	CONT. RETAINING ANGLE 1/4" X 3" X 5"	EXTRUDED ALUMINUM	6063-T6
18	CONT. RETAINING ZEE - 1/4" THK PLT	FORMED ALUMINUM	5005-H34
19	CONT. STIFFENER PLT - 1/8" X 4 1/2"	ALUMINUM	5005-H34
20	INSTALL ANGLE REV. DIR 2" X 2" X 1/4"	EXTRUDED ALUMINUM	6063-T6
21	SCR 12X1.0 HWH TEK	410 SS/ZC	-
22	SCR 10X1.0 HWH TEK	410 SS/ZC	-
23	SCR 1/4-20X1.5 HWH TEK	410 SS/ZC	-
24	FASTENERS (N.I.C.)	-	-

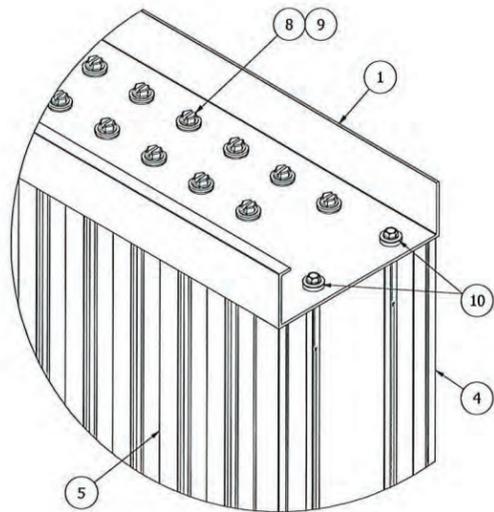
UNIVERSAL SLEEVE PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	ALLOY
25	FRONT FLANGE UNIVERSAL SLEEVE	.125" THK FORMED ALUM	5005-H34
26	HEAD FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
27	SILL FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
28	JAMB FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
29	INSTALL ANGLE 2" X 2" X 1/4"	EXTRUDED ALUMINUM	6063-T6
30	SCR 1/4-14X1.0 HWH TEK ZC	410 SS/ZC	-

ABBREVIATIONS:

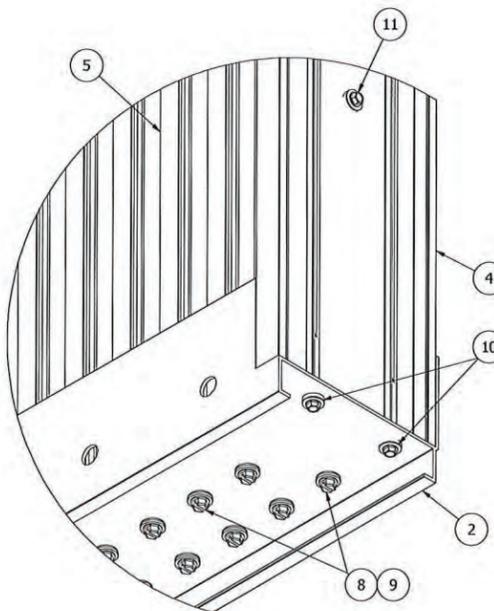
- B.O. - BLANK OFF
- CF - CHANNEL FRAME
- CONT. - CONTINUOUS
- C-C - CENTER TO CENTER
- DIM - DIMENSION
- FLG - FLANGE
- FF - FLANGED FRAME
- HDG - HOT DIP GALVANIZED
- H.V.B.S. - HIDDEN VERTICAL BLADE SUPPORT
- H.H.B.S. - HIDDEN HORIZONTAL BLADE SUPPORT
- HWH - HEX WASHER HEAD
- L.D. - LOUVER DIMENSION
- MAX. - MAXIMUM
- MIN. - MINIMUM
- NOM. - NOMINAL
- N.T.E. - NOT TO EXCEED
- N.T.S. - NOT TO SCALE
- O/C - ON CENTER
- OPP. - OPPOSITE
- N.I.C. - NOT IN CONTRACT
- R.O. - ROUGH OPENING
- REF - REFERENCE
- SHT - SHEET
- S.S. - SHIP SECTION
- S.S.D. - SHIP SECTION DIMENSION
- S.D.S. - SELF DRILLING SCREW
- SIM - SIMILAR
- STL - STEEL
- TYP. - TYPICAL
- U.N.O. - UNLESS NOTED OTHERWISE

DRAWING SHEET INDEX:

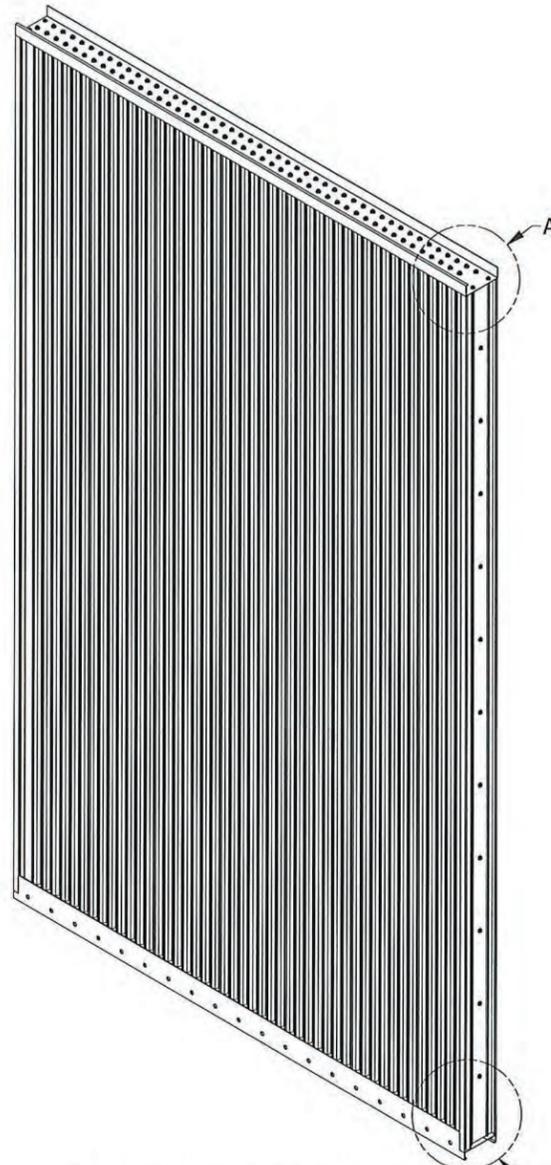
- SHEET 01** - STANDARD LOUVER SPECIFICATIONS
- SHEET 02** - SINGLE-SECTION (CF) ASSEMBLY & DETAILS
- SHEET 03** - MULTI-SECTION (CF) ASSEMBLY
- SHEET 04** - STANDARD INSTALLATION DETAILS
- SHEET 05** - FASTENER TABLE 1 AND TABLE 1A
- SHEET 06** - ALTERNATE INSTALLATION DETAILS
- SHEET 07** - TABLE 2 FASTENER TABLE
- SHEET 08** - UNIVERSAL SLEEVE ASSEMBLY
- SHEET 09** - UNIVERSAL SLEEVE INSTALLATION DETAILS
- SHEET 10** - LOUVER ASSEMBLY PART PROFILES
- SHEET 11** - INSTALLATION PART PROFILES



DETAIL A



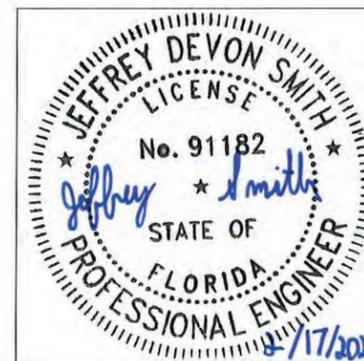
DETAIL B



EME5625MDE RECTANGLE LOUVER
N.T.S.

NOTES:

1. THE **EME5625MDE** HAS BEEN TESTED IN ACCORDANCE WITH & QUALIFIED TO FLORIDA BUILDING CODE TESTING PROTOCOLS **TAS-201, 202, & 203** FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE, CYCLIC WIND PRESSURE; FOR **LEVEL E (ENHANCED PROTECTION)** MISSILE IMPACT **AMCA 540;** & **AMCA 550** FOR HIGH VELOCITY WIND DRIVEN RAIN.
2. QUALIFICATIONS TO **AMCA 550** ALLOWS THIS LOUVER TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM & THE ROOM DOES NOT HOUSE WATER RESISTANT/PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
3. THIS LOUVER SYSTEM IS APPROVED FOR APPLICATIONS WITH **DESIGN PRESSURES OF 160 PSF** OR LESS. THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
4. SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDING A SUITABLE STRUCTURAL MEMBER, DESIGNED & INSTALLED BY OTHERS, IS BETWEEN EACH STACKED LOUVER TO CARRY THE FULL LOAD OF THE UPPER LOUVER, SO THAT NO LOUVER TAKES THE LOAD OF THE OTHER.
5. THIS LOUVER ATTACHES ONLY AT THE HEAD & SILL TO THE SUBSTRATE. NO ATTACHMENT AT JAMBS. **SEE SHEET -04, -05, -06, -07 & -09** FOR INSTALLATION PARTS & DETAILS. REQUIREMENTS GIVEN IN "**SUBSTRATE FASTENER TABLE**" ARE AS NEEDED FOR ANCHORAGE ONLY AND (N.I.C.).
6. MAXIMUM SINGLE SECTION SIZE FOR RECTANGLES ARE **72" WIDE X 120" HIGH**. UNLIMITED WIDTH CAN BE ACCOMPLISHED BY PLACING SINGLE SECTIONS SIDE-BY-SIDE.
7. EXTRUDED ALUMINUM H.H.B.S. CHANNEL IS FACTORY CUT TO FIT BETWEEN EACH BLADE. THE H.H.B.S. CHANNEL IS SCREWED TO THE FIRST BLADES, LAST BLADE & AT BOTH JAMBS FRAMES. THE H.H.B.S. CHANNEL IS REQUIRED FOR ANY LOUVER ASSEMBLY EXCEEDING **60" HIGH** & EQUALLY SPACED BETWEEN HEAD & SILL FRAMES.
8. ALL WELDED ATTACHMENTS REQUIRE A MINIMUM FILLER OF 4043 ALUMINUM ALLOY WITH A MINIMUM TENSILE STRENGTH OF 24KSI.
9. **SQUARE BALLOONS** INDICATE **SHIP LOOSE PARTS**.



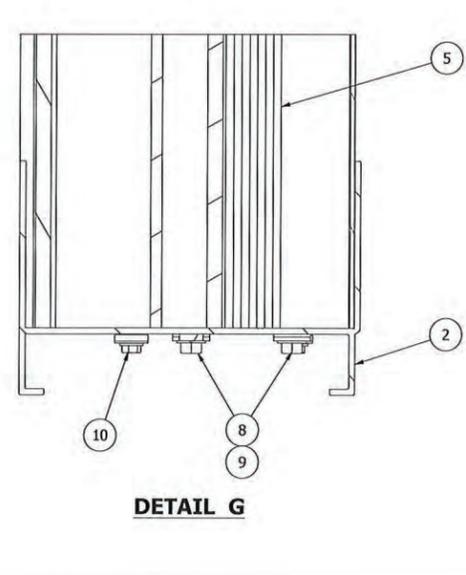
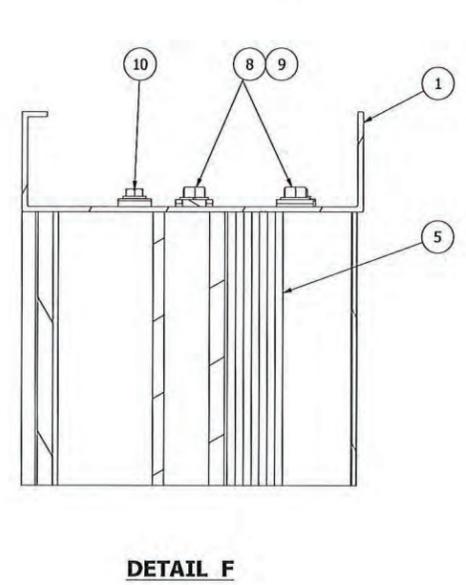
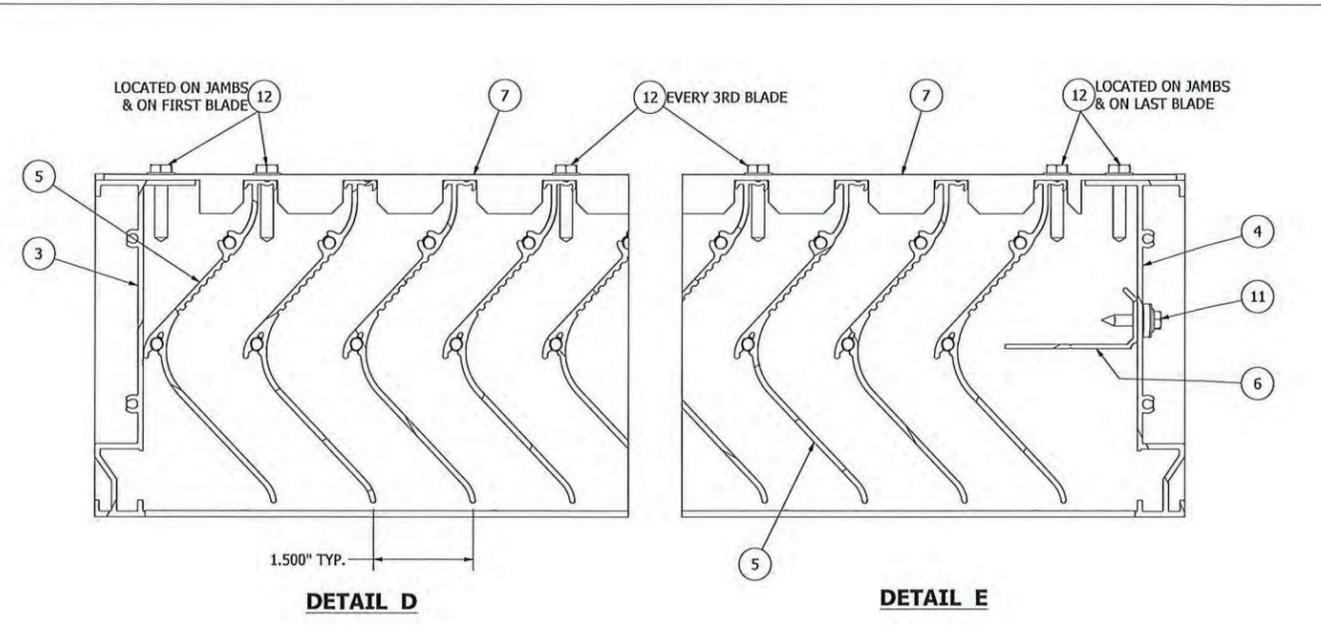
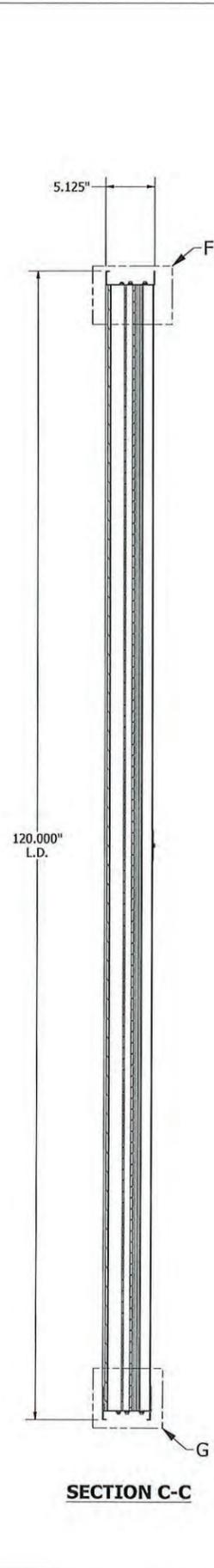
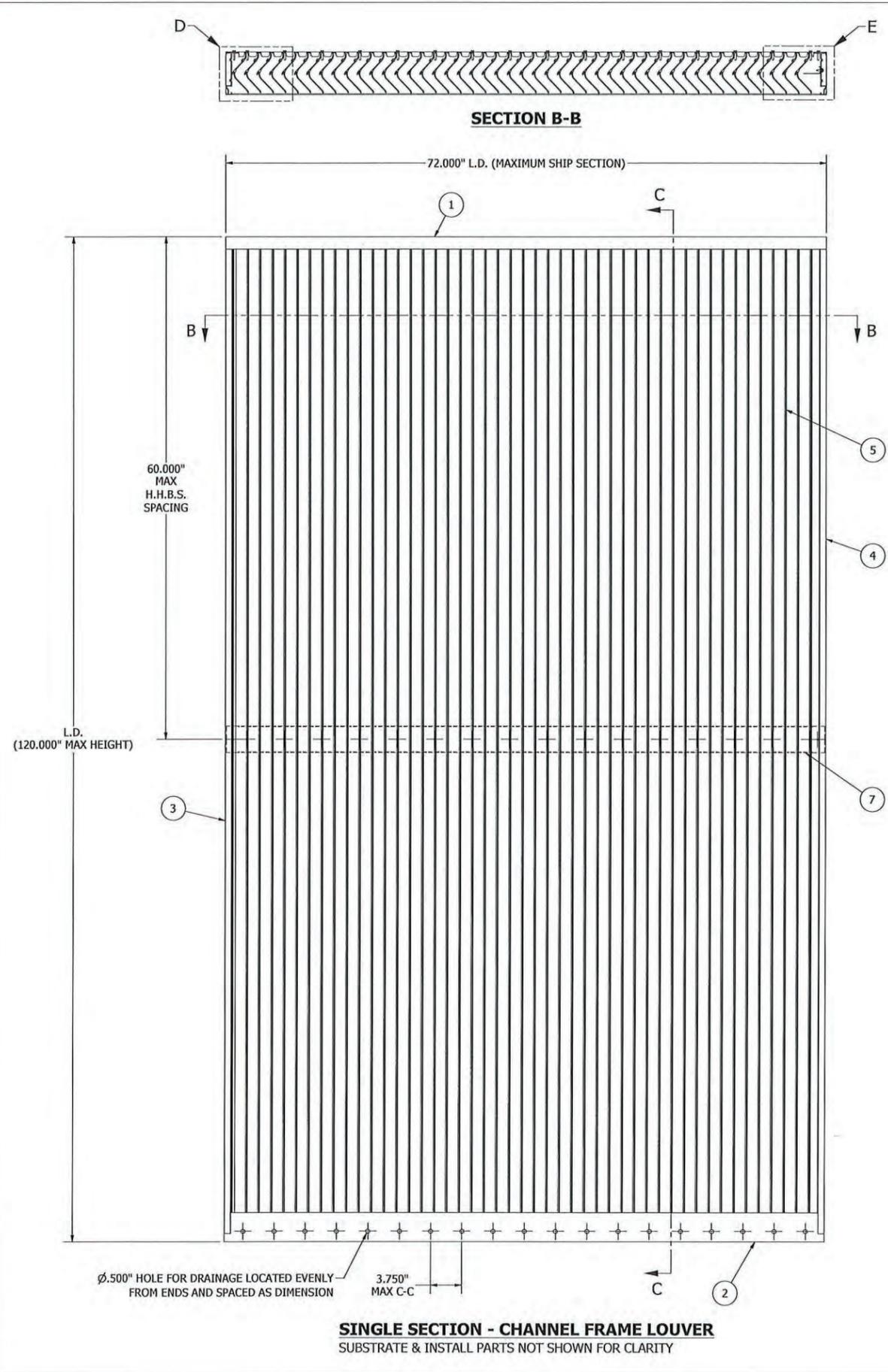
JEFFREY SMITH, P.E.
No. 91182

Tolerances
Unless Stated Otherwise
Use W1Q-007

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.15
Expiration Date 12/30/2026
By *[Signature]*
Miami-Dade Product Control

B	IMPLEMENTATION OF COUNTERSUNK HOLES IN REV. ANGLE, CHANGES IN DEDUCT, UPDATED FASTENER TABLE AND INSTALLATION PARTS	RVT	JDS	JDS	-	02/15/23
A	MODEL NAME UPDATED FROM EME5625MD TO EME5625MDE	M-S	E-R	JDS		7/29/2021
REV	DESCRIPTION	BY	CHK	APVD	ECN	DATE
AUTHOR	RVT	4/2/21				
CHECKED	NS	4/26/21				
APPROVED	VMA	5/10/21				
APPROVED	JDS	5/21/21				
MATERIAL	EXTRUDED ALUMINUM					
TITLE	STANDARD LOUVER SPECIFICATIONS					
SIZE	D	DWG NO	60-022588-00D			REV B
SCALE	NONE	INVENTOR				SHEET 1 OF 11

RUSKIN
3900 Doctor Greaves Rd,
Grandview, MO 64030
AUTHORITY IN AIR CONTROL
PROPRIETARY AND
CONFIDENTIAL

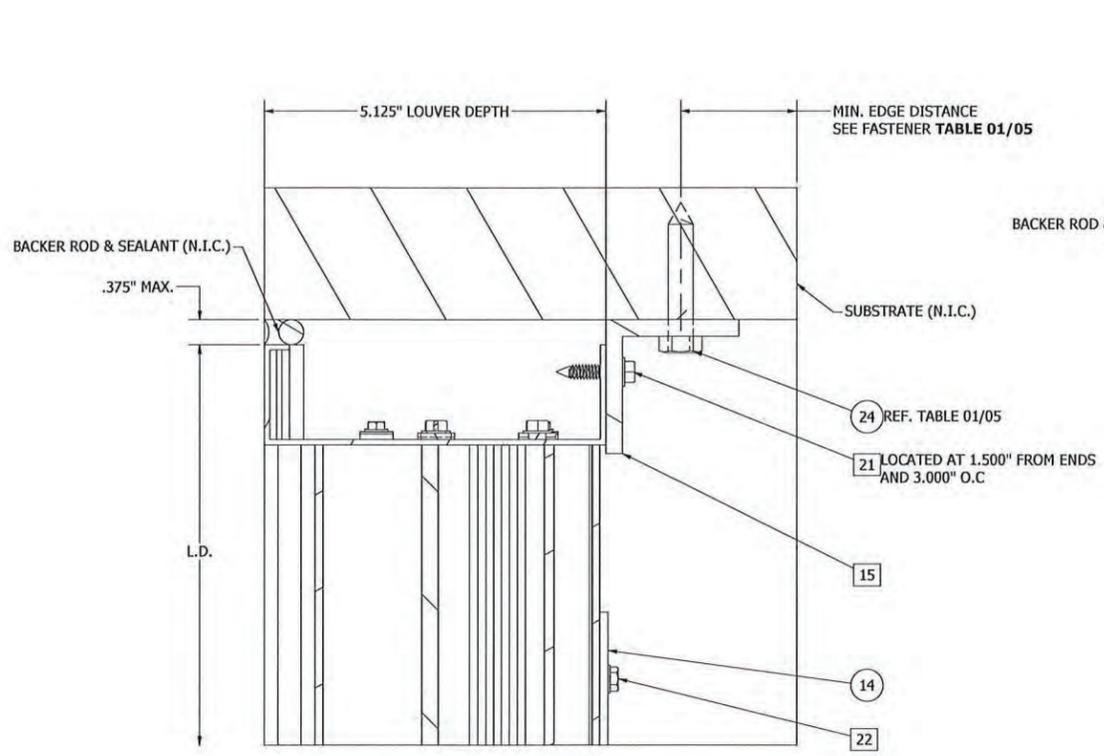


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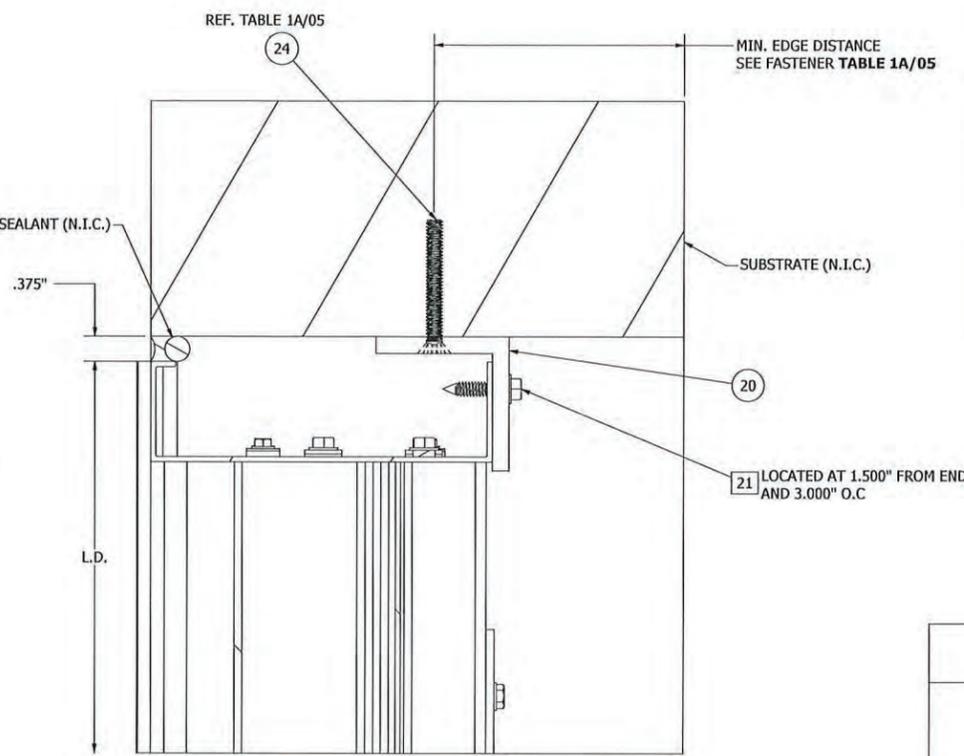
JEFFREY SMITH, P.E.
NO. 91182

REV	DESCRIPTION	BY	CHK	APVD	ECN	DATE
B	IMPLEMENTATION OF COUNTERSUNK HOLES IN REV. ANGLE, CHANGES IN DEDUCT, UPDATED FASTENER TABLE AND INSTALLATION PARTS	RVT	JDS	JDS	-	02/15/23
A	MODEL NAME UPDATED FROM EME5625MD TO EME5625MDE	M-S	E-R	JDS		7/29/2021
AUTHOR	RVT 4/2/21	3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL				
CHECKED	NS 4/26/21					
APPROVED	VMA 5/10/21					
APPROVED	JDS 5/21/21					
MATERIAL	EXTRUDED ALUMINUM	PRODUCT	EME5625MDE / WIND-DRIVEN RAIN RESISTANT LOUVER			
TITLE		SINGLE SECTION (CF) ASSEMBLY & DETAILS				
SIZE	D	DWG NO	60-022588-00D		REV	B
SCALE	NONE	INVENTOR	SHEET 2 OF 11			

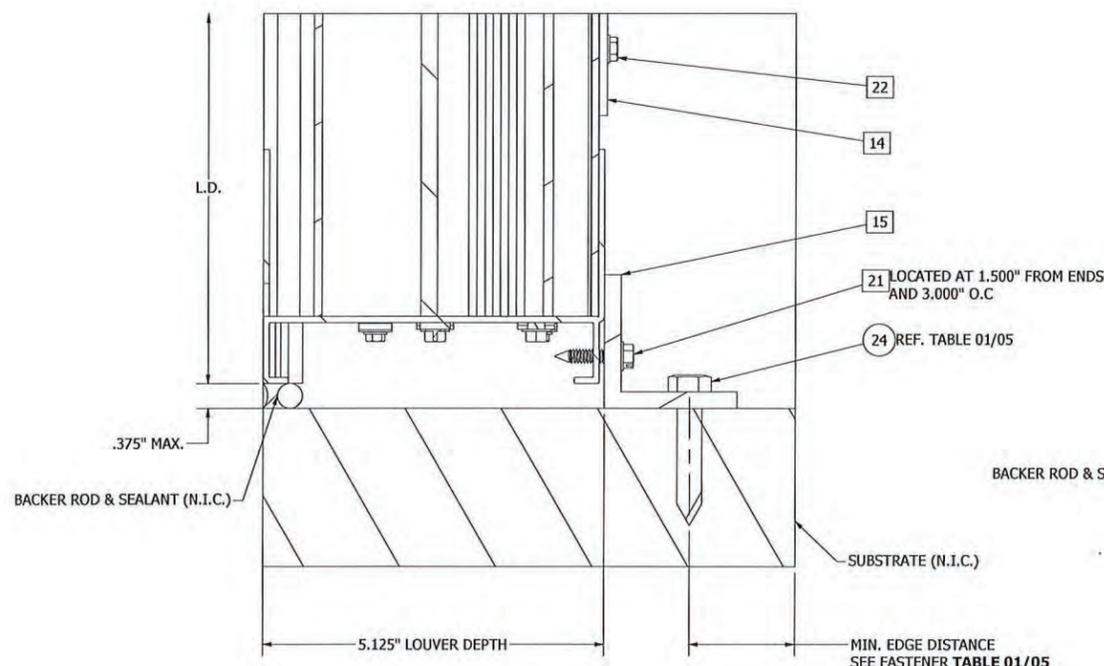
Tolerances
Unless Stated Otherwise
Use W1Q-007



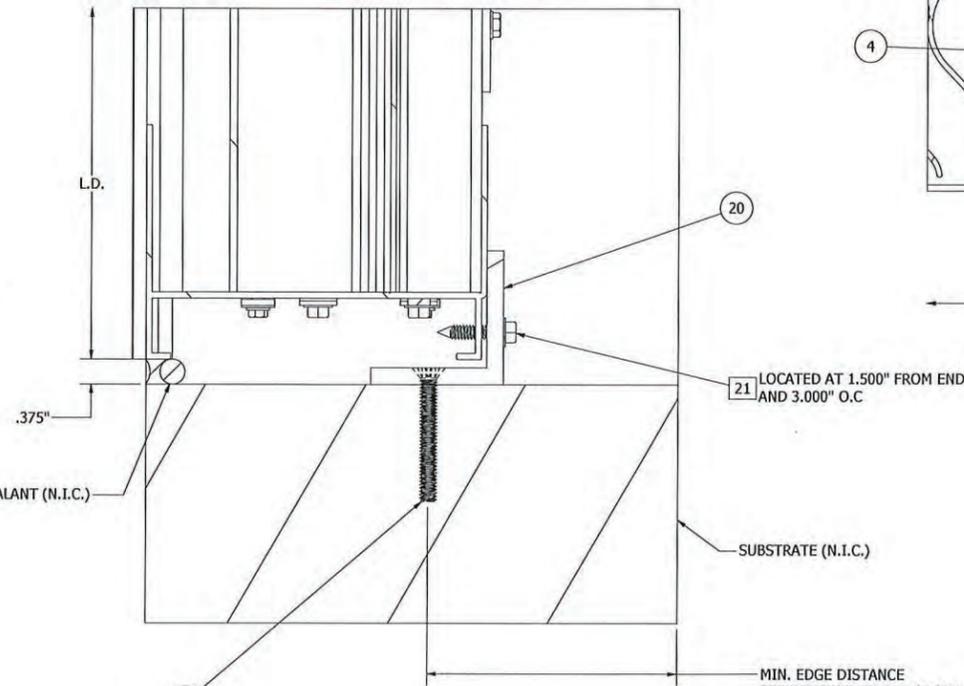
DETAIL K



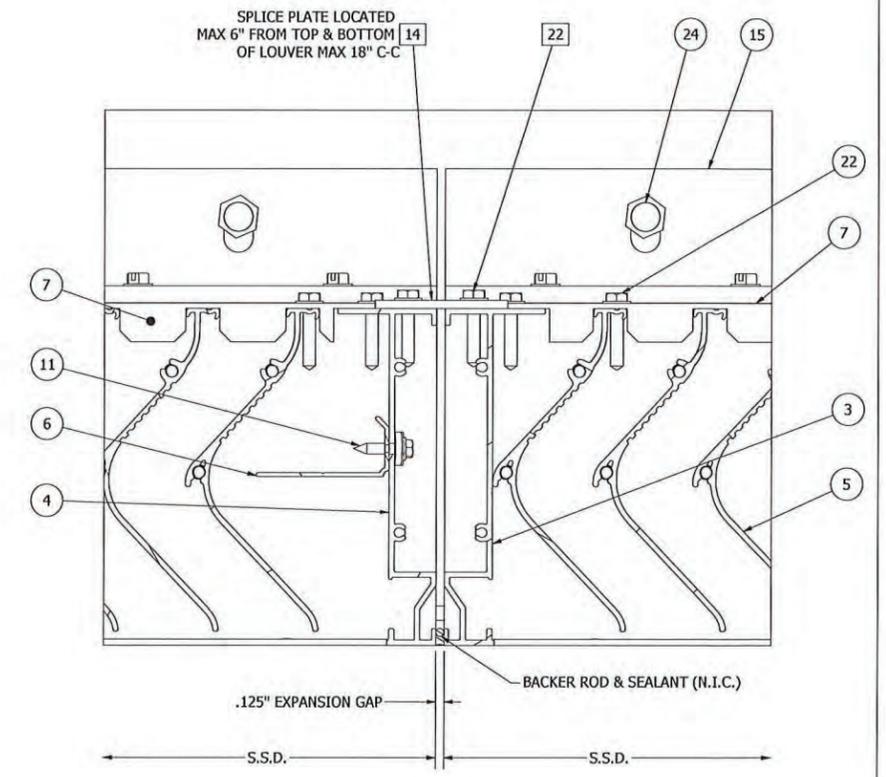
DETAIL M



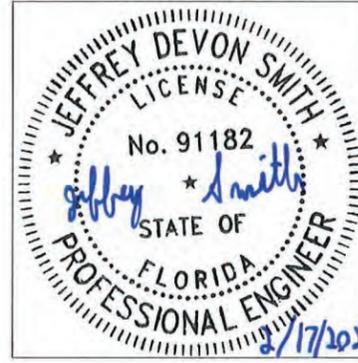
DETAIL L



DETAIL N



DETAIL P



PRODUCT REVISED
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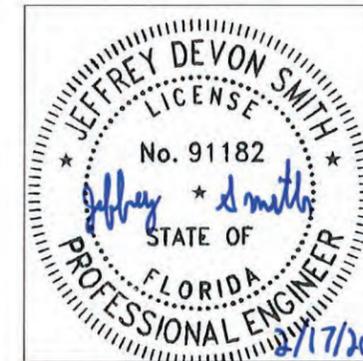
REV	DESCRIPTION	BY	CHK	APVD	ECH	DATE														
B	IMPLEMENTATION OF COUNTERSUNK HOLES IN REV. ANGLE, CHANGES IN DUCT, UPDATED FASTENER TABLE AND INSTALLATION PARTS	RVT	JDS	JDS	-	02/15/23														
A	MODEL NAME UPDATED FROM EME5625MD TO EME5625MDE	M-S	E-R	JDS		7/29/2021														
<table border="1"> <tr> <td>AUTHOR</td> <td>RVT</td> <td>4/2/21</td> <td rowspan="4"> </td> <td rowspan="4"> 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL </td> </tr> <tr> <td>CHECKED</td> <td>NS</td> <td>4/26/21</td> </tr> <tr> <td>APPROVED</td> <td>VMA</td> <td>5/10/21</td> </tr> <tr> <td>APPROVED</td> <td>JDS</td> <td>5/21/21</td> </tr> </table>							AUTHOR	RVT	4/2/21		3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL	CHECKED	NS	4/26/21	APPROVED	VMA	5/10/21	APPROVED	JDS	5/21/21
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MATERIAL		TITLE		REV																
EXTRUDED ALUMINUM		STANDARD INSTALLATION DETAILS		SIZE	DWG NO	REV														
D		60-022588-00D		D	B															
SCALE		INVENTOR		SHEET 4 OF 11																
NONE																				

Tolerances
 Unless Stated Otherwise
 Use WIC-007

STANDARD ANGLE INSTALL

TABLE 1 - EME5625MDE - STANDARD INSTALLATION WALL FASTENER TABLE (BY OTHERS)

SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING AT HEAD & SILL	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	3" THICK, 0.42 SPECIFIC GRAVITY	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	1 1/2"
		3/8" DIA. LAG SCREW, MIN. A307 GRADE A	6"	2 5/8"	1 1/2"
STEEL	16 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
	10 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2	6"	3 THREADS BEYOND SUB. THICKNESS	5/8"
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
		5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2	3"	3 THREADS BEYOND SUB. THICKNESS	5/8"
CONCRETE	UNCRACKED, 2220 PSI COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS	3"	1 3/4"	1 1/2"
	UNCRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 1/2"	1 1/2"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"	2 3/8"	2 1/4"
	CRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 3/8"	2 3/4"
3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL		6"	4"		
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS	3"	2"	2"



JEFFREY SMITH, P.E.
NO. 91182

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1116.15
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Miami-Dade Product Control

REVERSE ANGLE INSTALL

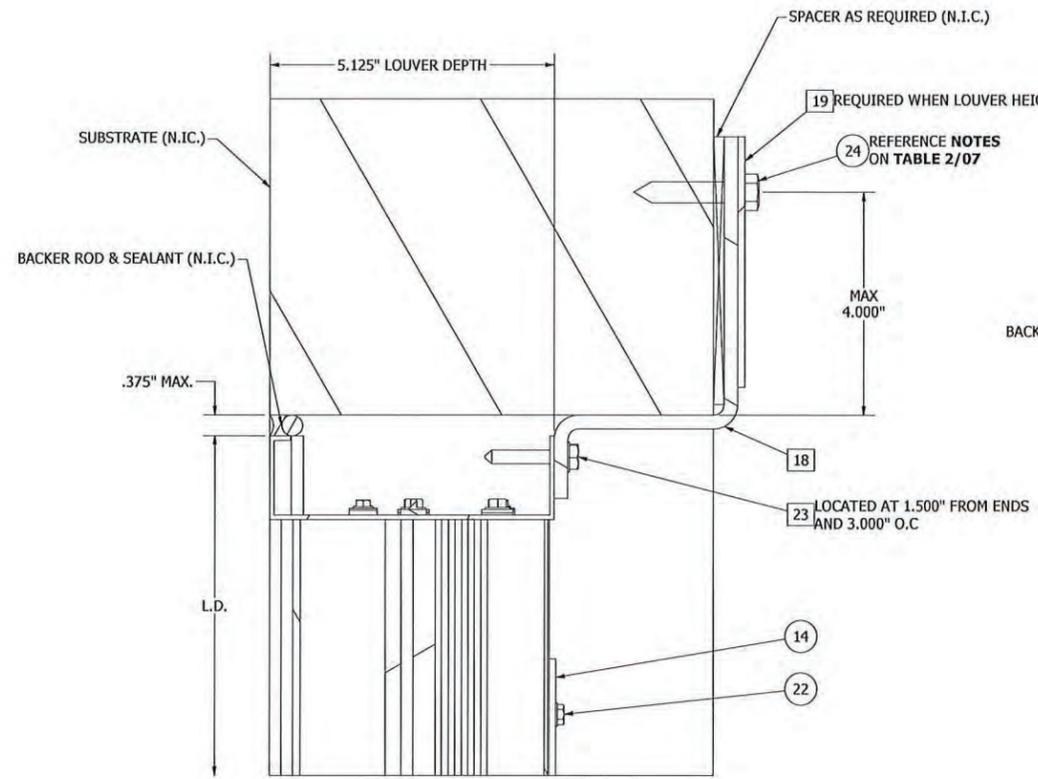
TABLE 1A - EME5625MDE - WALL FASTENER TABLE (BY OTHERS)

SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING AT HEAD & SILL	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	3" THICK, SPECIFIC GRAVITY = 0.42	1/4" DIA. LAG SCREW, MIN. A307 GRADE A	3"	2 5/8"	1 1/2"
STEEL	MIN. 10 GA 45 KSI TENSILE STRENGTH 33 KSI YIELD STRENGTH	1/4" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2	3"	3 THREADS BEYOND SUB. THICKNESS	1/2"
ALUMINUM	.188" THICK 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	1/4" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2	3"	3 THREADS BEYOND SUB. THICKNESS	1/2"
CONCRETE	UNCRACKED, 2220 PSI COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS	3"	1 3/4"	1 1/2"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS	3"	2"	2"

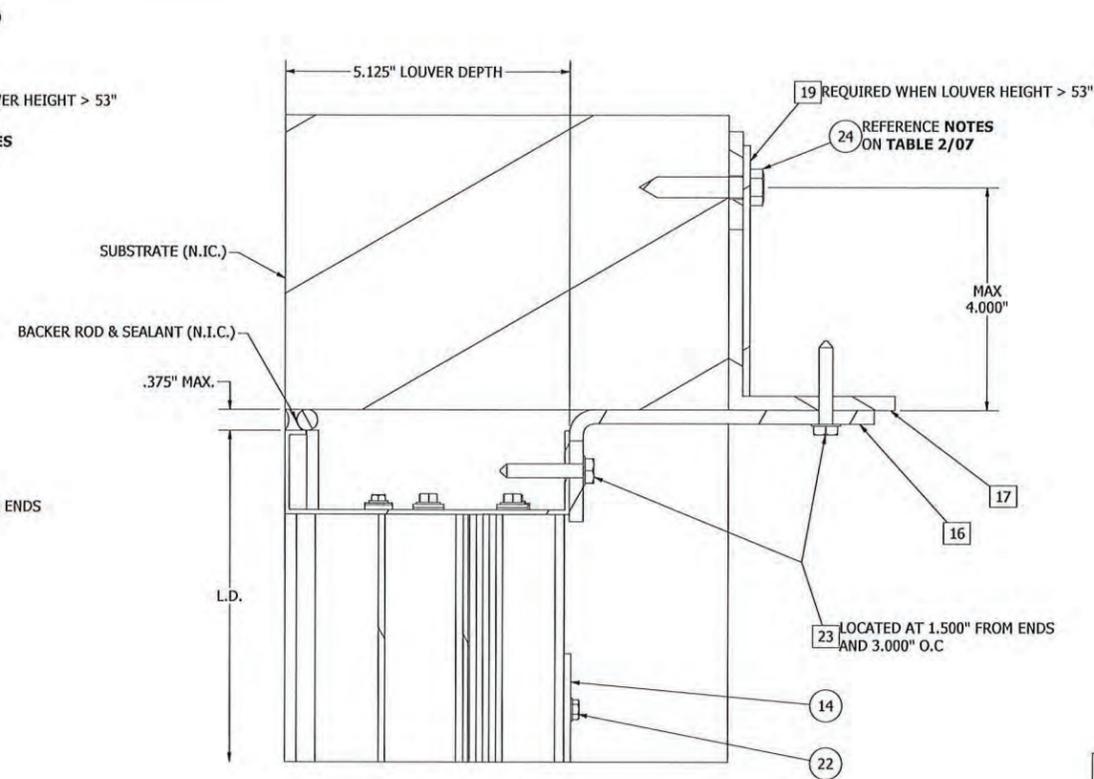
NOTE:
DESIGN OF SUBSTRATE IS NOT BY RUSKIN (N.I.C.). ACTUAL SUBSTRATE DEPTH SHALL BE PER PROJECT DRAWINGS.

REV	DESCRIPTION	BY	CHK	APVD	ECH	DATE
B	IMPLEMENTATION OF COUNTERSUNK HOLES IN REV. ANGLE, CHANGES IN DEDUCT, UPDATED FASTENER TABLE AND INSTALLATION PARTS	RVT	JDS	JDS	-	02/15/23
A	MODEL NAME UPDATED FROM EME5625MD TO EME5625MDE	M-S	E-R	JDS		7/29/2021
AUTHOR	RVT	4/2/21				
CHECKED	NS	4/26/21	3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL			
APPROVED	VMA	5/10/21	PRODUCT: EME5625MDE / WIND-DRIVEN RAIN RESISTANT LOUVER			
APPROVED	JDS	5/21/21	TITLE: FASTENER TABLE 1 AND TABLE 1A			
MATERIAL	EXTRUDED ALUMINUM	SIZE		DWG NO	REV	
		D		60-022588-00D	B	
ECH	SCALE	NONE	INVENTOR	SHEET 5 OF 11		

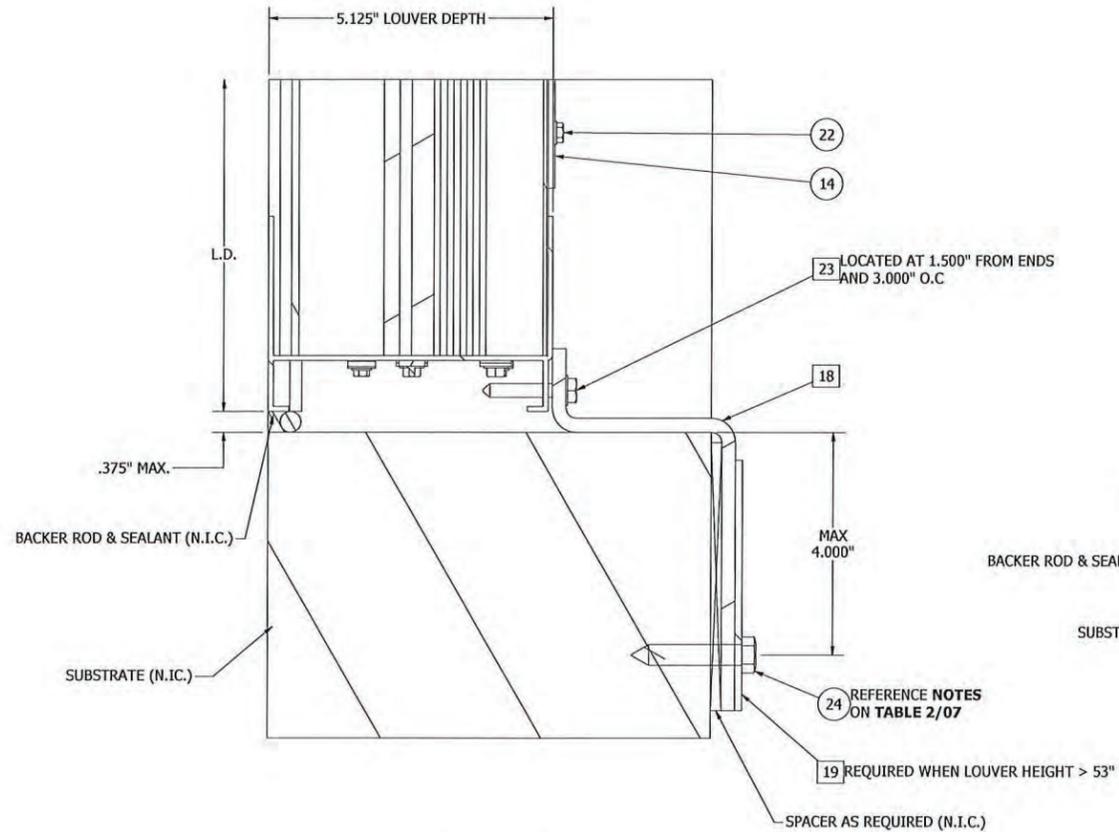
Tolerances
Unless Stated Otherwise
Use W10-007



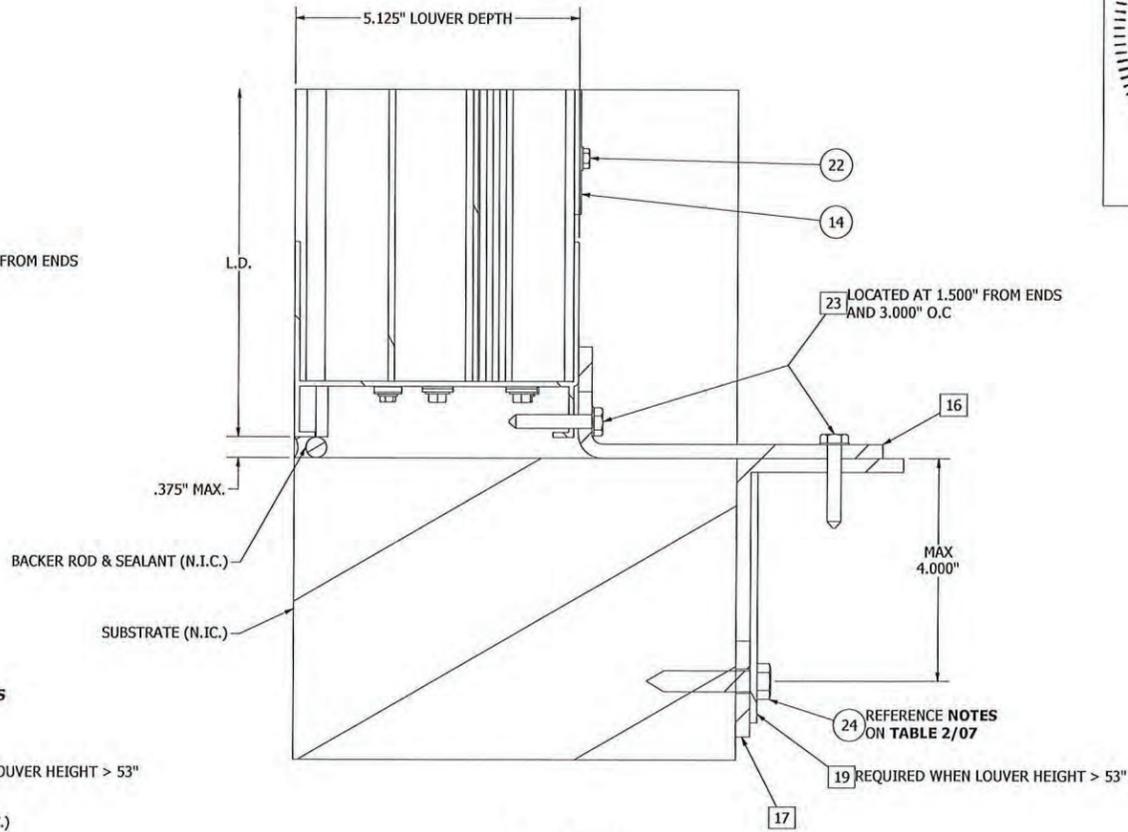
DETAIL R



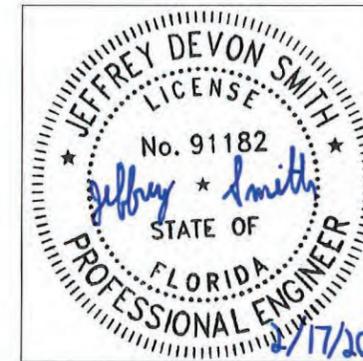
DETAIL T



DETAIL S



DETAIL V



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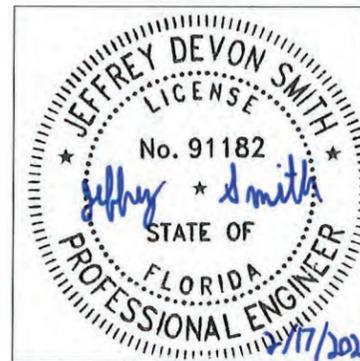
JEFFREY SMITH, P.E.
 NO. 91182

REV	DESCRIPTION	BY	CHK	APVD	ECN	DATE
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CHECKED	NS	4/26/21				
APPROVED	VMA	5/10/21				
APPROVED	JDS	5/21/21				
MATERIAL	EXTRUDED ALUMINUM					
TITLE		ALTERNATE INSTALLATION DETAILS				
SIZE	D	DWG NO	60-022588-00D		REV	B
SCALE	NONE	INVENTOR	SHEET 6 OF 11			

Tolerances
 Unless Stated Otherwise
 Use WIQ-007

ALTERNATE INSTALLATION TABLE 2 - EME5625MDE RETAINING ANGLE / ZEE INSTALLATION WALL FASTENER TABLE (BY OTHERS)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING AT HEAD & SILL	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	3" THICK, 0.42 SPECIFIC GRAVITY	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3"
		3/8" DIA. LAG SCREW, MIN. A307 GRADE A	6"	2 5/8"	3"
STEEL	16 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
	12 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2	6"	3 THREADS BEYOND SUB. THICKNESS	5/8"
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
		5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2	3"	3 THREADS BEYOND SUB. THICKNESS	5/8"
CONCRETE	UNCRACKED, 2220 PSI COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS	3"	1 3/4"	1 1/2"
	UNCRACKED, 2500 PSI COMP. STRENGTH	1/4" DIA. BUILDEX TAPCON+, CARBON STEEL	6"	2 1/4"	4"
	CRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	6"	2 1/2"	4"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"	2 3/8"	4"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS	3"	2"	2"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"	2 3/8"	4"

NOTE:
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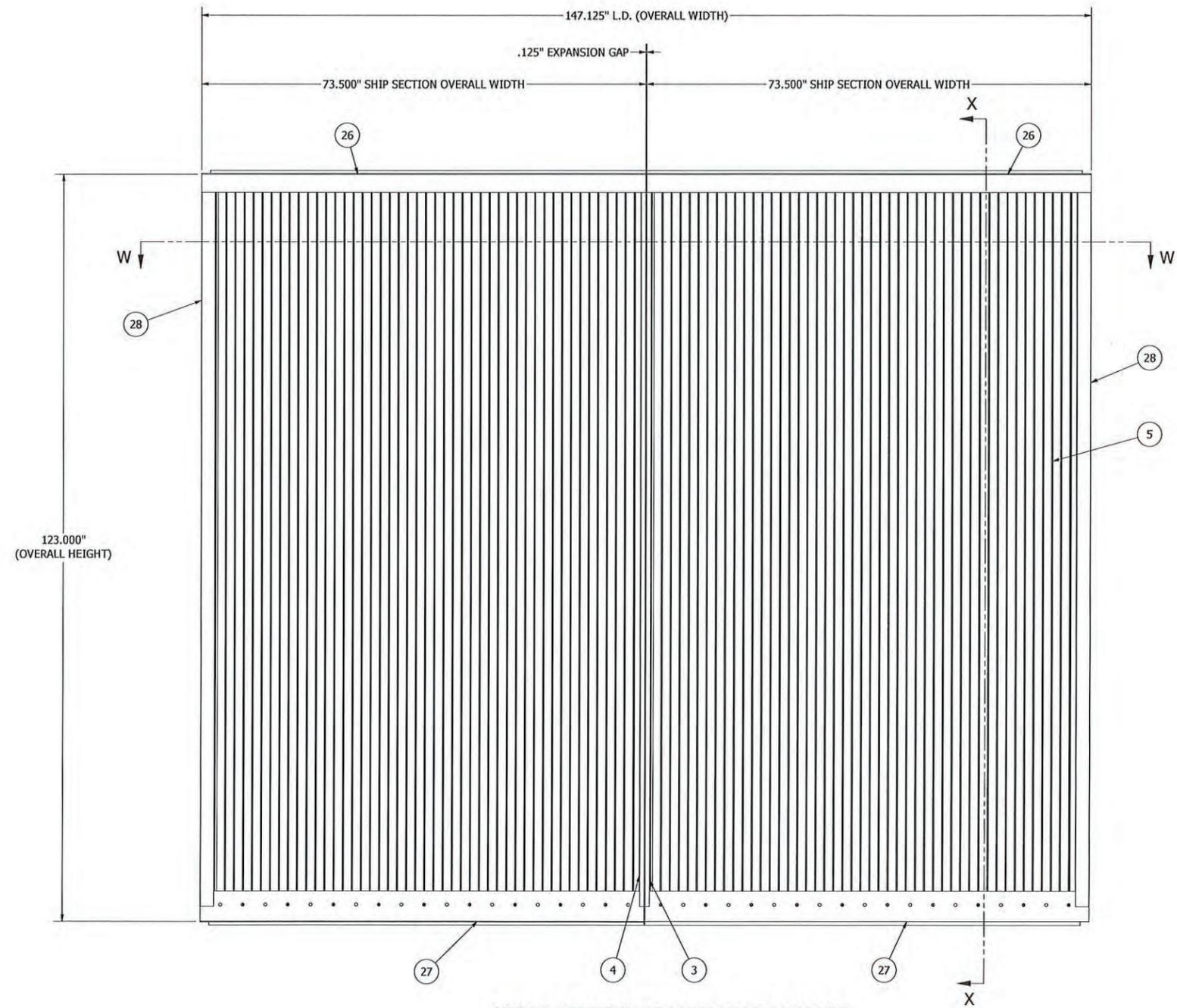
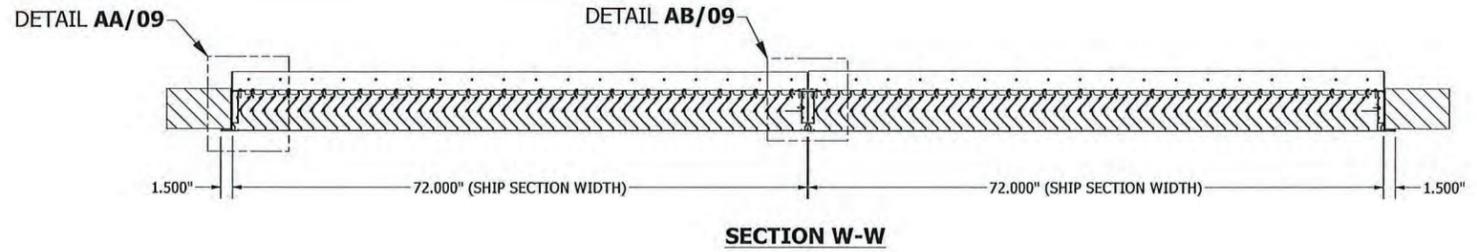


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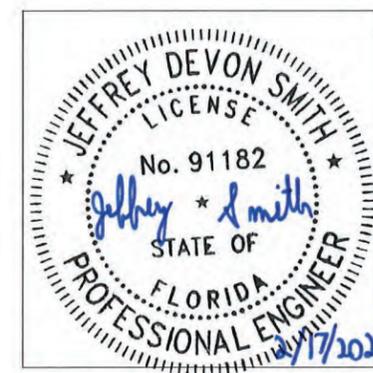
Tolerances
Unless Stated Otherwise
Use WIG-007

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Expiration Date 12/30/2026
By *[Signature]*
Miami-Dade Product Control

REV	DESCRIPTION	BY	CHK	APVD	ECN	DATE
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AUTHOR	RVT	4/2/21				
CHECKED	NS	4/26/21				
APPROVED	VMA	5/10/21				
APPROVED	JDS	5/21/21				
MATERIAL EXTRUDED ALUMINUM						
TITLE TABLE 2 FASTENER TABLE		3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL				
SIZE D	DWG NO	60-022588-00D			REV B	
SCALE NONE	INVENTOR	SHEET 7 OF 11				

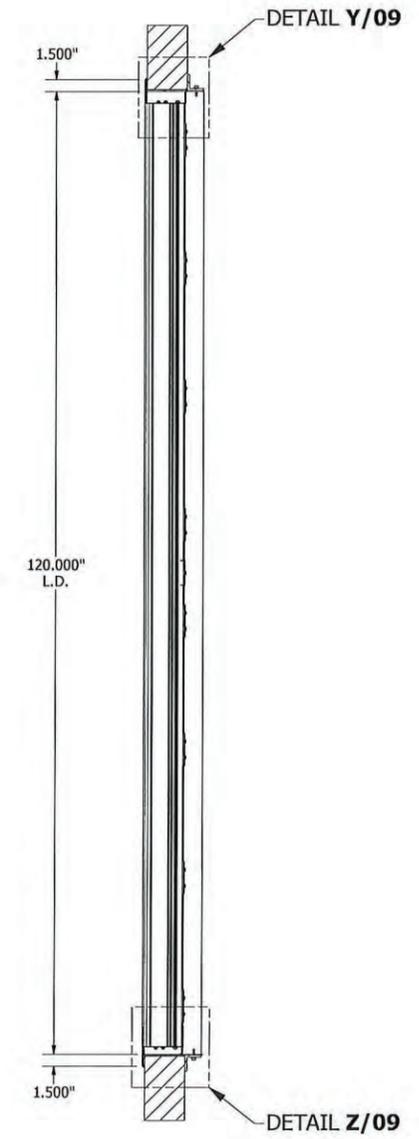


MULTI-SECTION - FLANGE FRAME LOUVER
SUBSTRATE & INSTALL PARTS NOT SHOWN FOR CLARITY



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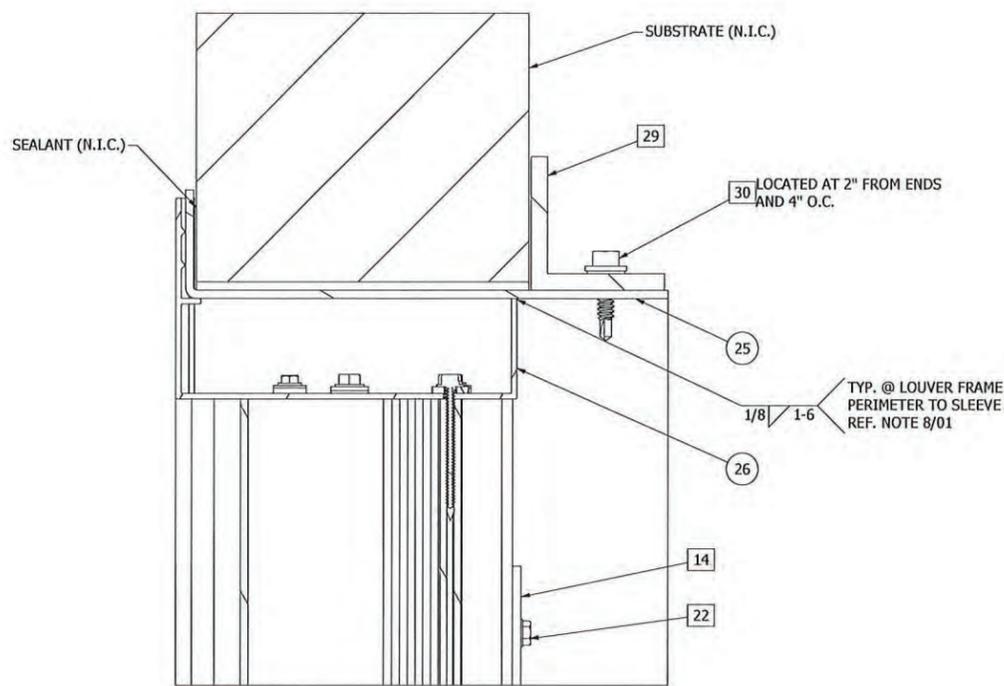
JEFFREY SMITH, P.E.
NO. 91182



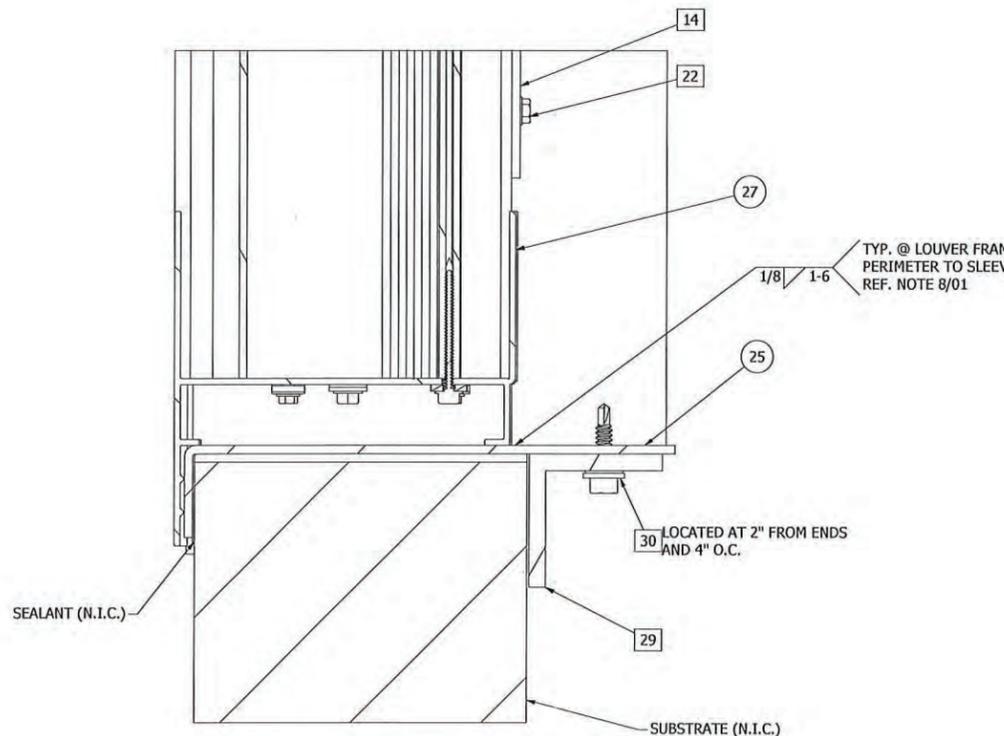
SECTION X-X

Tolerances
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Use WIQ-007

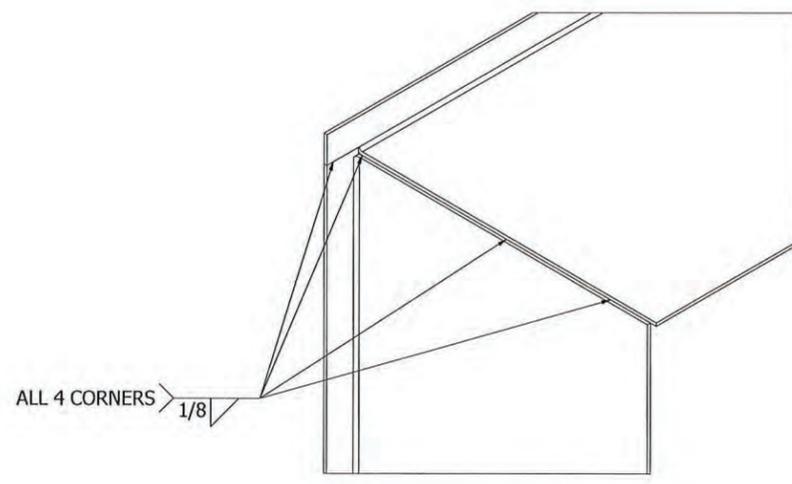
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B	IMPLEMENTATION OF COUNTERSUNK HOLES IN REV. ANGLE, CHANGES IN DUCT, UPDATED FASTENER TABLE AND INSTALLATION PARTS	RVT	JDS	JDS	-	02/15/23														
A	MODEL NAME UPDATED FROM EME5625MD TO EME5625MDE	M-S	E-R	JDS		7/29/2021														
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AUTHOR	RVT	4/2/21		3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL																
CHECKED	NS	4/26/21																		
APPROVED	VMA	5/10/21																		
APPROVED	JDS	5/21/21																		
MATERIAL EXTRUDED ALUMINUM		PRODUCT EME5625MDE / WIND-DRIVEN RAIN RESISTANT LOUVER		TITLE UNIVERSAL SLEEVE ASSEMBLY																
SIZE D		DWG NO 60-022588-00D		REV B																
SCALE NONE		INVENTOR		SHEET 8 OF 11																



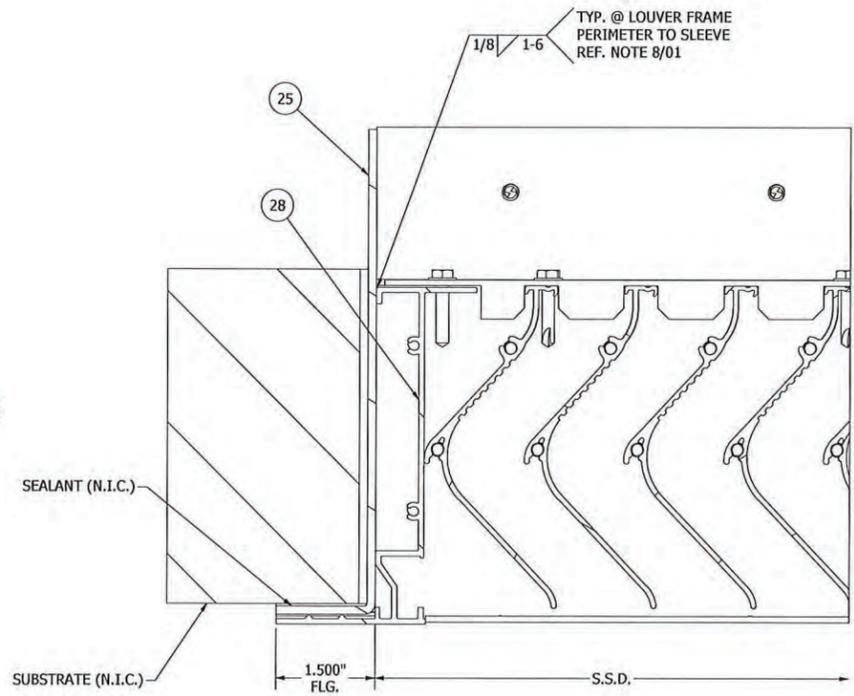
DETAIL Y



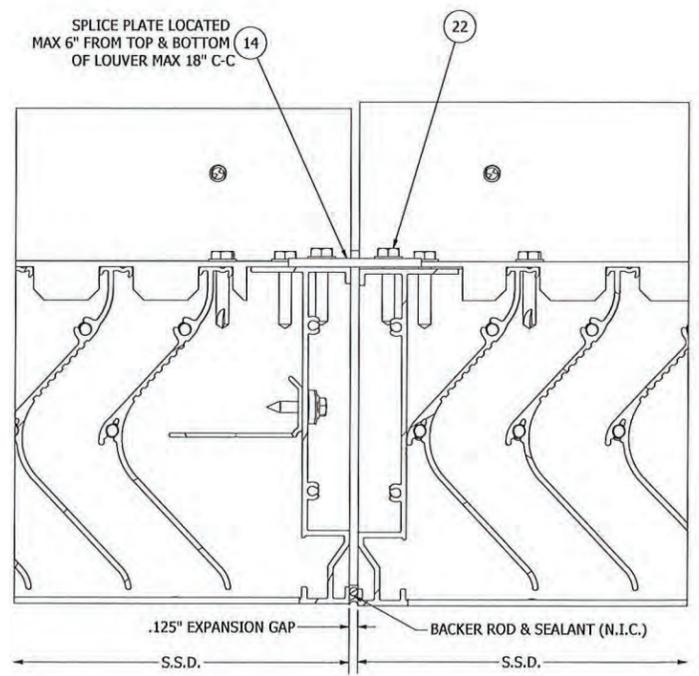
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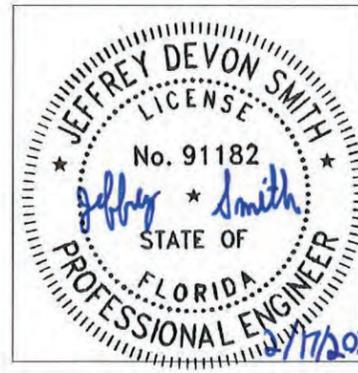
**UNIVERSAL SLEEVE
CORNER WELDS**



DETAIL AA



DETAIL AB



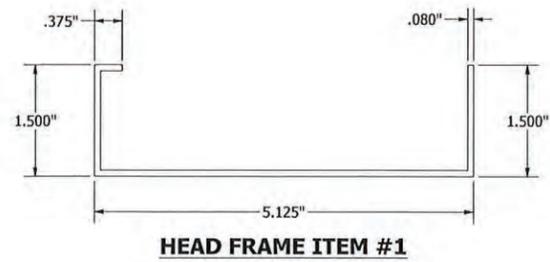
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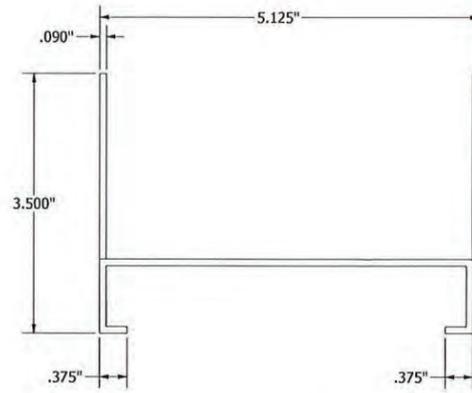
Tolerances
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APPROVED	VMA	5/10/21				
APPROVED	JDS	5/21/21				
MATERIAL	EXTRUDED ALUMINUM					
TITLE	UNIVERSAL SLEEVE INSTALLATION DETAILS					
SIZE	D	DWG NO	60-022588-00D	REV	B	
SCALE	NONE	INVENTOR		SHEET	9 OF 11	

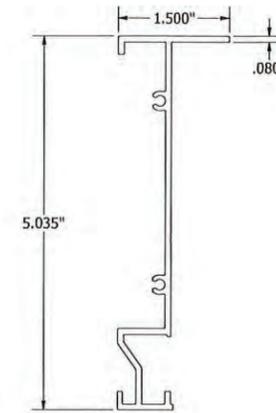




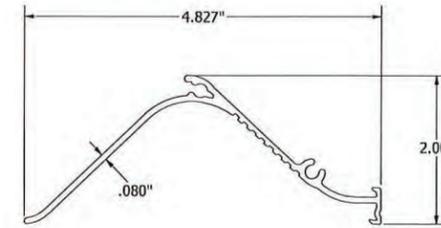
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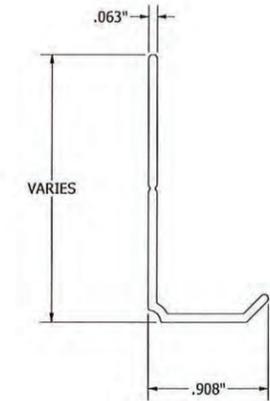
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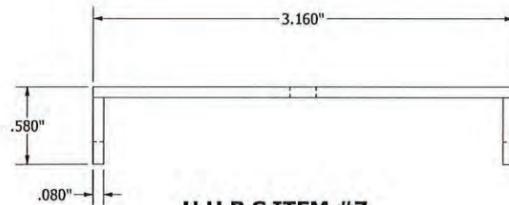
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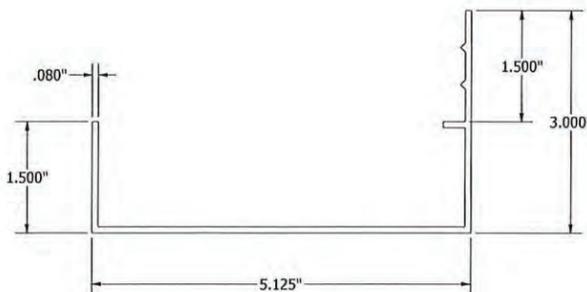
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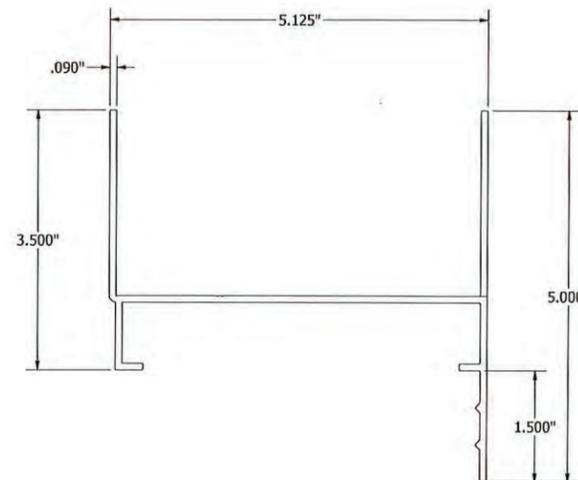
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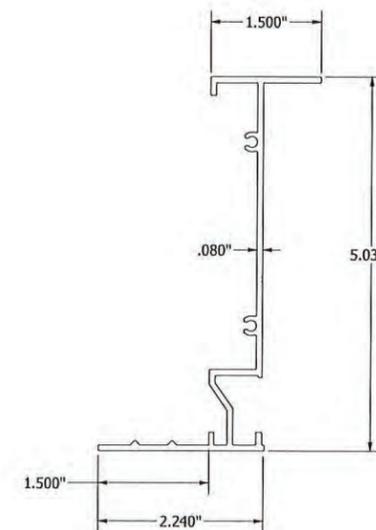
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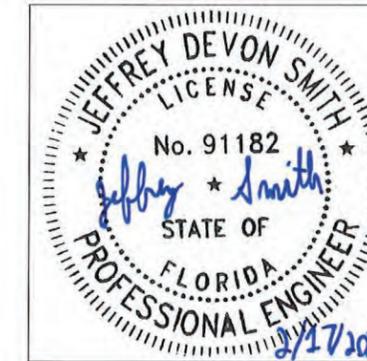
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SILL FRAME W/ INTEGRAL FLANGE ITEM #27



JAMB FRAME W/ INTEGRAL FLANGE #28

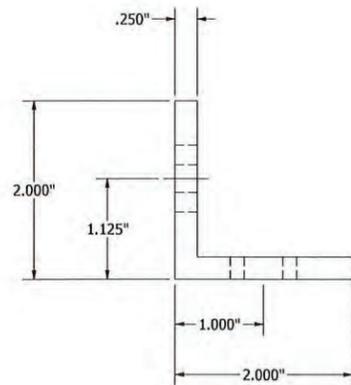


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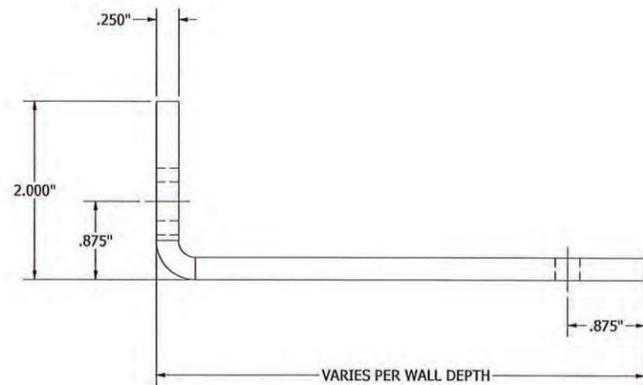
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<p>RUSKIN 3900 Doctor Greaves Rd, Grandview, MO 64030 AUTHORITY IN AIR CONTROL PROPRIETARY AND CONFIDENTIAL</p> <p>PRODUCT: EME5625MDE / WIND-DRIVEN RAIN RESISTANT LOUVER</p> <p>TITLE: LOUVER ASSEMBLY PART PROFILES</p> <p>MATERIAL: EXTRUDED ALUMINUM</p> <p>SIZE: D DWG NO: 60-022588-00D REV: B</p> <p>SCALE: NONE INVENTOR: SHEET 10 OF 11</p>						

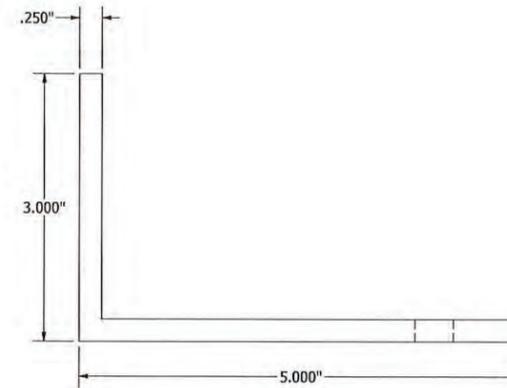
Tolerances
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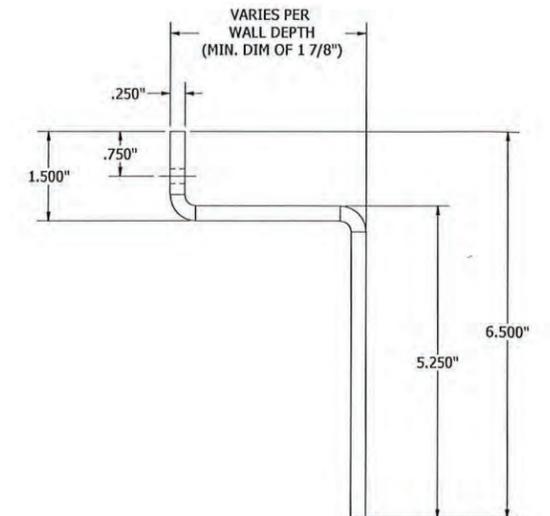
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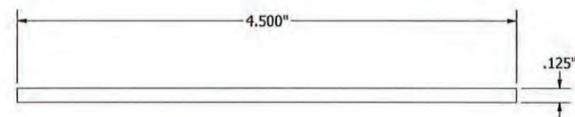
CONTINUOUS RETAINING ANGLE ITEM #16



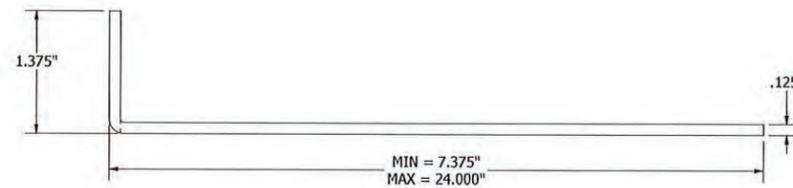
ALTERNATE CONT. RETAINING ANGLE ITEM #17



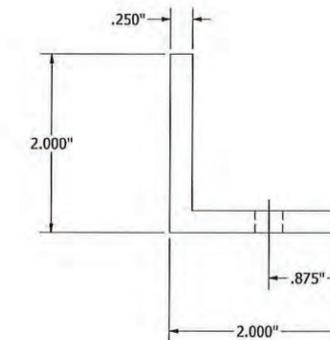
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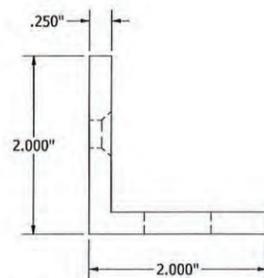
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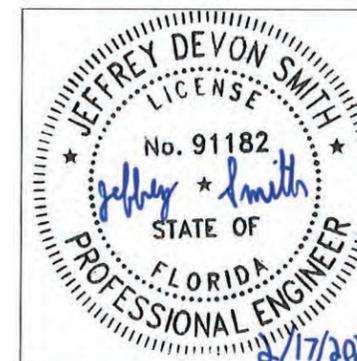
UNIVERSAL SLEEVE ITEM #25



INSTALL ANGLE ITEM #29



INSTALL ANGLE REV. DIR. ITEM #20



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Tolerances
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CHECKED	NS	4/26/21																	
APPROVED	VMA	5/10/21																	
APPROVED	JDS	5/21/21																	
MATERIAL EXTRUDED ALUMINUM		TITLE INSTALLATION PART PROFILES		SIZE D		DWG NO 60-022588-00D													
SCALE NONE		INVENTOR		SHEET 11 of 11		REV B													