



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 AEL-42-7020-MD PTAC Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022678-00D**, titled "AEL-42-7020-MD Installation Instructions", sheets 1 through 8 of 8, dated 11/07/2022, 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 approval 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, Geneva, AL and Juarez Mexico, 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#22-0707.07** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Sifang Zhao, P.E.**



S. Z.

02/01/2024

NOA No. 23-1116.08
Expiration Date: December 15, 2027
Approval Date: February 01, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **60-022678-00D**, titled “AEL-42-7020-MD Installation Instructions”, sheets 1 through 8 of 8, dated 11/07/2022, prepared by Ruskin Company, signed and sealed by Jeffrey D. Smith, P.E. *“Submitted under NOA # 22-0707.07”*

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of PTAC AEL-42-7020 louvers, prepared by UL LLC, Test Report No. **SV16533-20220809 Rev. 1**, dated 08/09/2022, signed and sealed by Alexis Spyrou, P.E.
“Submitted under NOA # 22-0707.07”

C. CALCULATIONS

1. Louver wind load review, prepared by Ruskin Company, dated 11/14/2022, signed and sealed by Jeffrey D. Smith, P.E. *“Submitted under NOA # 22-0707.07”*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) of the FBC, issued by Ruskin Company, dated 05/18/2022, signed and sealed by Jeffrey D. Smith, P.E.
“Submitted under NOA # 22-0707.07”
2. Statement letter of no financial interest, issued by Ruskin Company, dated 05/18/2022, signed and sealed by Jeffrey D. Smith, P.E. 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.

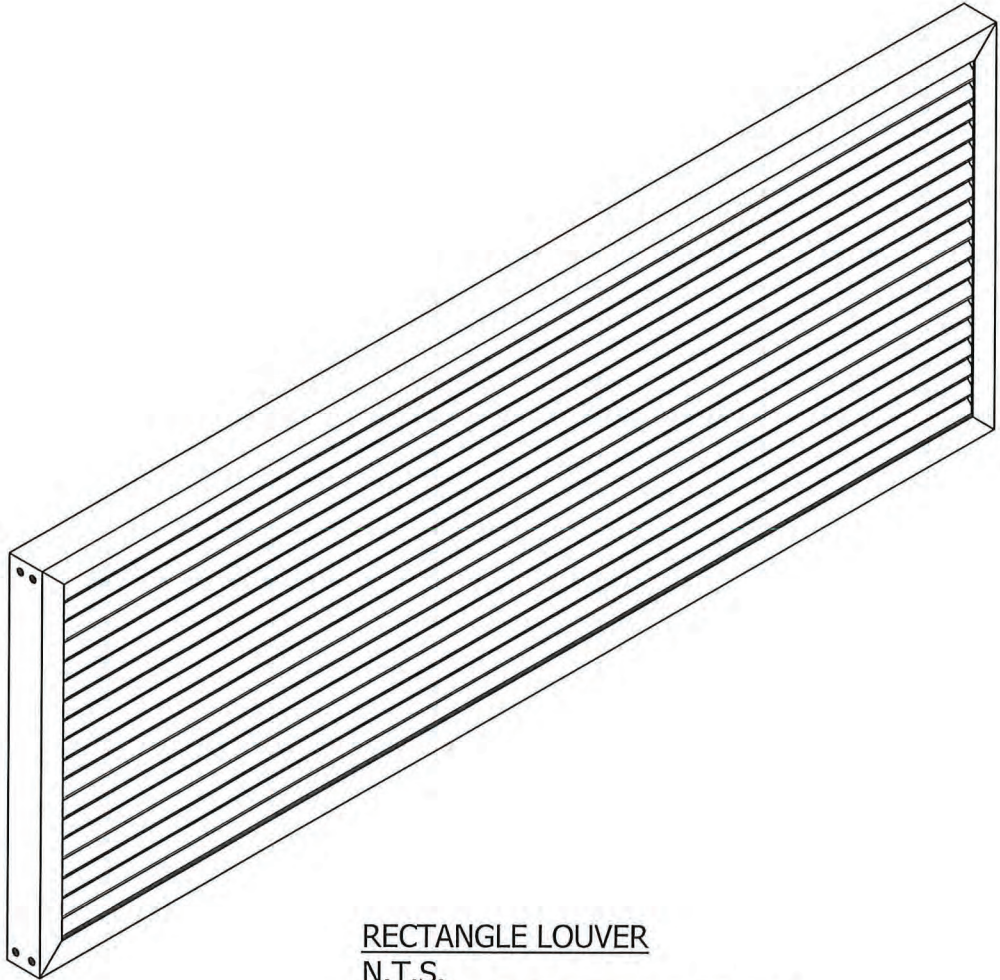
G. OTHER

1. This NOA revises NOA # 22-0707.07 for the 8th edition (2023) of the FBC update.



Sifang Zhao, P.E.
Product Control Examiner
NOA No. 23-1116.08
Expiration Date: December 15, 2027
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PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	ALLOY
1	HEAD & SILL FRAME	0.125" THK EXTRUDED ALUMINUM	6063-T6
2	JAMB FRAME	0.125" THK EXTRUDED ALUMINUM	6063-T6
3	BRACE BAR	0.125" THK EXTRUDED ALUMINUM	6063-T5
4	BLADE 42 deg	0.125" THK EXTRUDED ALUMINUM	6063-T5
5	CORNER LUG	0.061" THK EXTRUDED ALUMINUM	6063-T5
6	Pop Rivet: 1/8" Dia. 0.313" - 0.375" GRIP	ALUMINUM	-
7	SPLINE	0.200" THK EXTRUDED ALUMINUM	6063-T5
8	END SUPPORT	0.125" THK SHEET ALUMINUM	5005-H34
9	RETENTION STRIP	0.063" THK SHEET ALUMINUM	5005-H34
10	3/16" DIA POP RIVET 0.188"-0.250" GRIP	Steel, Mandrel	-
11	#10 X 3/4" TEK SCREW	Steel	-




RECTANGLE LOUVER
N.T.S.
DESIGN PRESSURE: +/- 50 PSF
LARGE MISSILE IMPACT RESISTANT

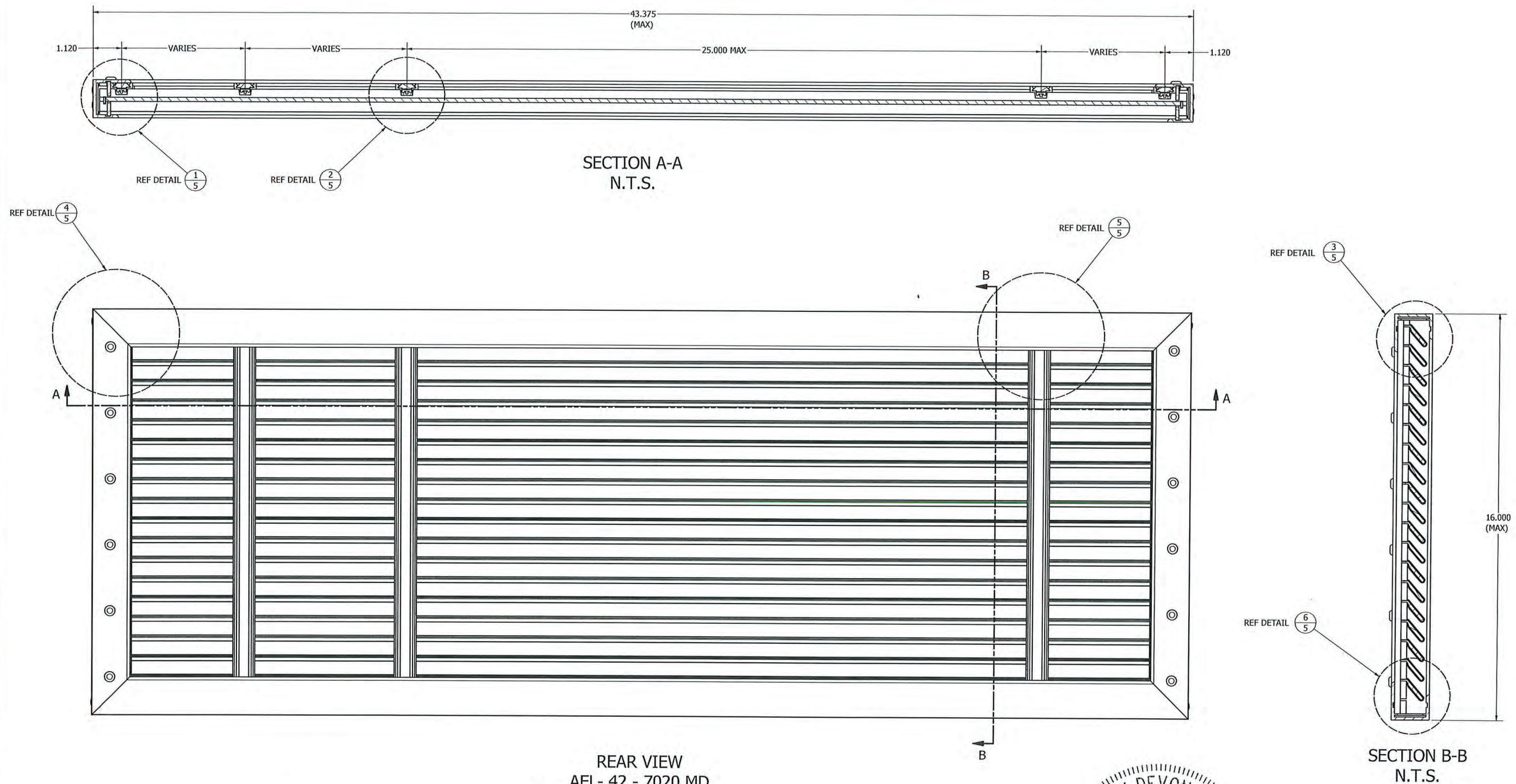
- ABBREVIATIONS:
- B.O. - BLANK OFF
 - CONT. - CONTINUOUS
 - C-C - CENTER TO CENTER
 - C.W. - CLOCKWISE
 - C.C.W. - COUNTER CLOCKWISE
 - DIM - DIMENSION
 - FLG - FLANGE
 - HDG - HOT DIPPED GALVANIZED
 - H.V.B.S. - HIDDEN VERTICAL BLADE SUPPORT
 - H.H.B.S. - HIDDEN HORIZONTAL BLADE SUPPORT
 - HWH - HEX 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
 - S.S. - SHIP SECTION
 - S.S.D. - SHIP SECTION DIMENSION
 - S.S.H. - SHIP SECTION HEIGHT
 - S.D.S. - SELF DRILLING SCREW
 - SIM. - SIMILAR
 - STL - STEEL
 - TYP. - TYPICAL
 - U.N.O. - UNLESS NOTED OTHERWISE

SHEET 01 - NOTES, PARTS LIST, DRAWING INDEX,
SHEET 02 - ASSEMBLY DETAILS
SHEET 03 - INSTALLATION DETAILS WITHOUT WALL SLEEVE / PTAC UNIT
SHEET 04 - INSTALLATION DETAILS WITH WALL SLEEVE / PTAC UNIT
SHEET 05 - ASSEMBLY CONSTRUCTION DETAILS
SHEET 06 - PARTS
SHEET 07 - PARTS
SHEET 08 - WALL FASTNER TABLE

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.08
Expiration Date 12/15/2027
By *[Signature]*
Miami-Dade Product Control

JEFFREY DEVON SMITH
LICENSE
No. 91182
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
11/14/2022

AUTHOR	VDP	11/7/2022	 <div>3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL</div>	
CHECKED	N.T.	11/7/2022		
APPROVED	JDS	11/7/2022		
APPROVED	MA	11/7/2022		
MATERIAL		EXTRUDED ALUMINUM	TITLE	NOTES, PART LIST & ASSEMBLY VIEWS
SIZE		D	DWG NO	60-022678-00D
SCALE		N.T.S.	INVENTOR	SHEET 1 OF 8



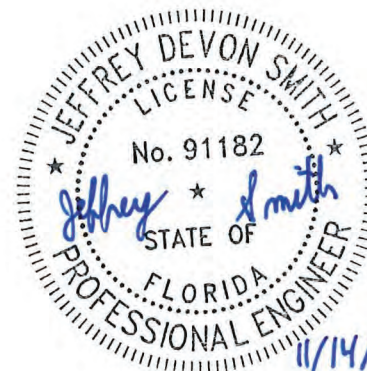
REAR VIEW
AEL- 42 - 7020 MD
DESIGN PRESSURE: +/- 50 PSF

SECTION B-B
N.T.S.

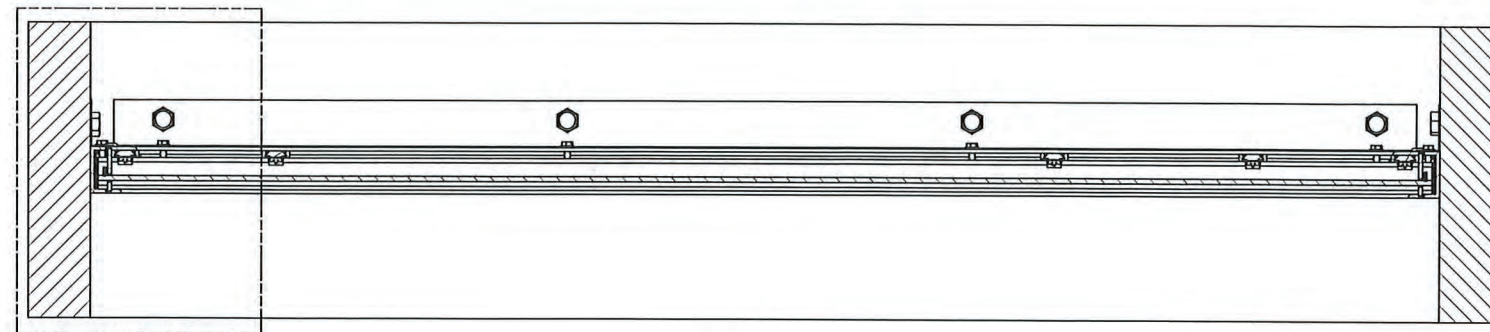
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Expiration Date 12/15/2027

By *[Signature]*
Miami-Dade Product Control

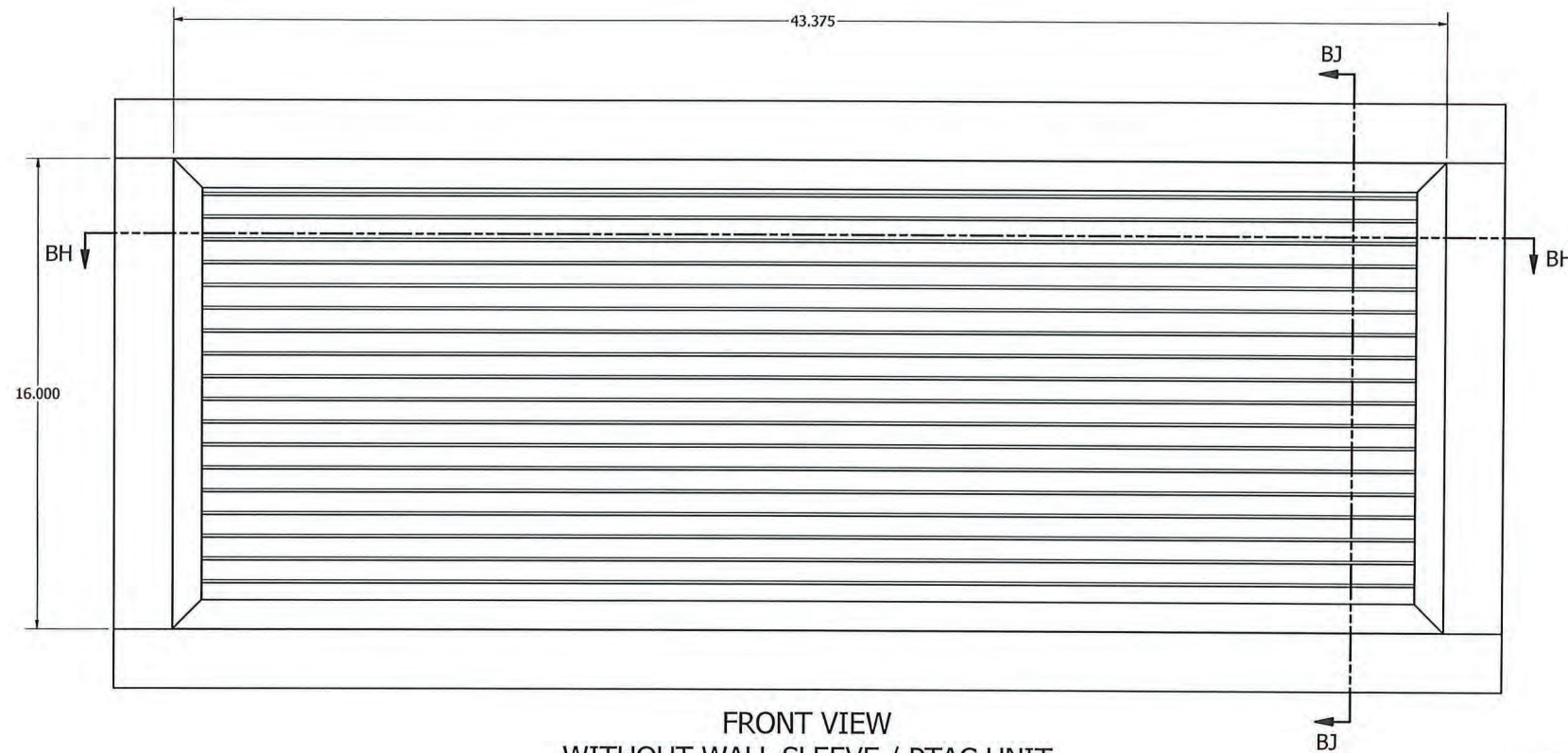


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CHECKED	NLT	11/7/2022	
APPROVED	JDS	11/7/2022	
APPROVED	MA	11/7/2022	
MATERIAL			PRODUCT
EXTRUDED ALUMINUM			AEL-42-7020-MD INSTALLATION INSTRUCTIONS
TITLE			ASSEMBLY DETAILS
SIZE	D	DWG NO	60-022678-00D
ECN		SCALE	N.T.S.
		INVENTOR	SHEET 2 OF 8

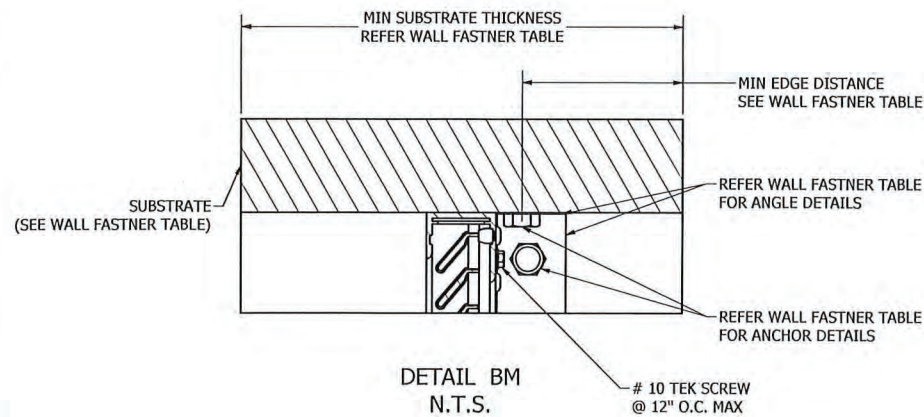


SECTION BH-BH
N.T.S.

BL

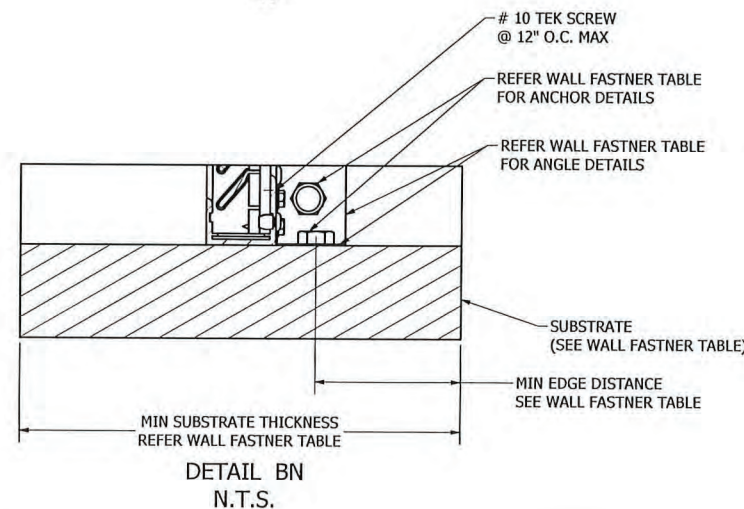


FRONT VIEW
WITHOUT WALL SLEEVE / PTAC UNIT
N.T.S.

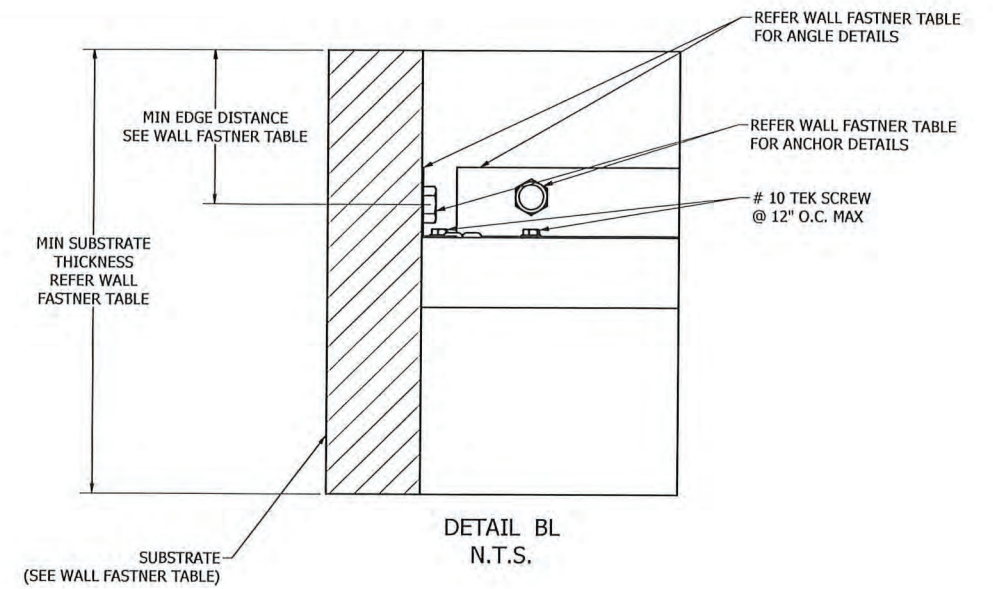


DETAIL BM
N.T.S.

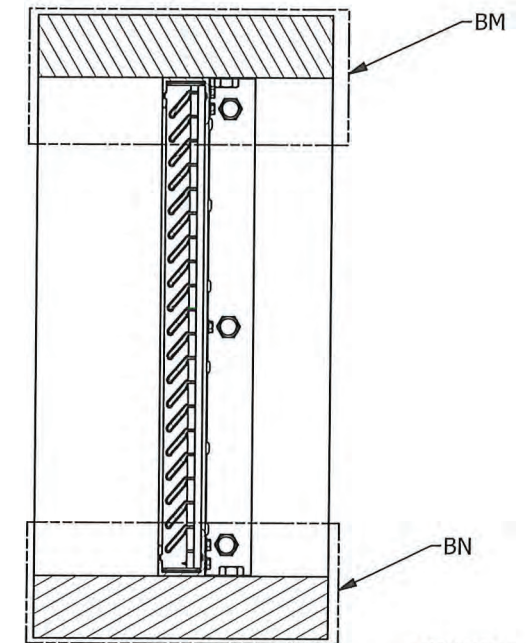
10 TEK SCREW
@ 12" O.C. MAX



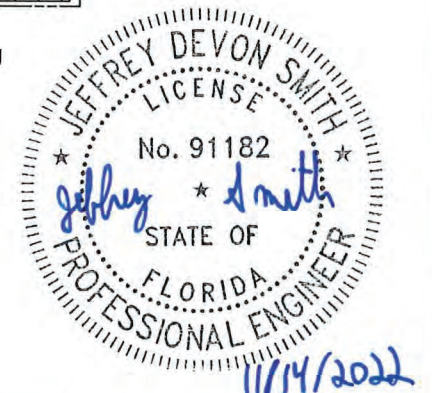
DETAIL BN
N.T.S.



DETAIL BL
N.T.S.

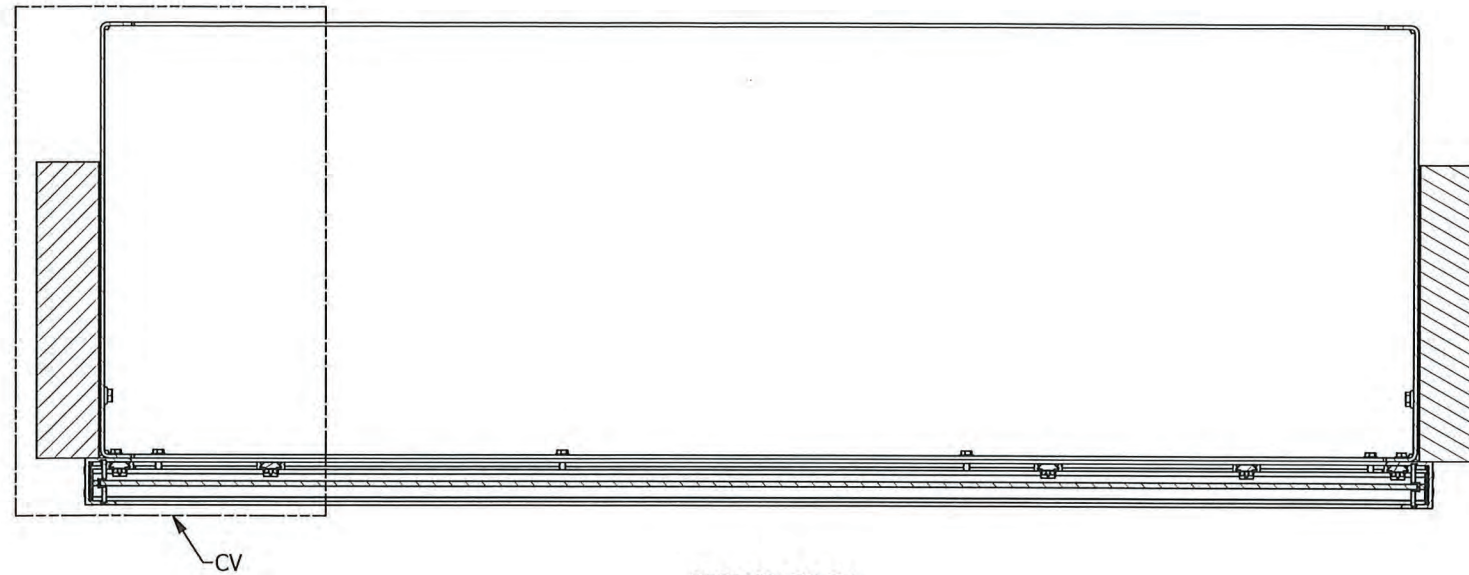


SECTION BJ-BJ
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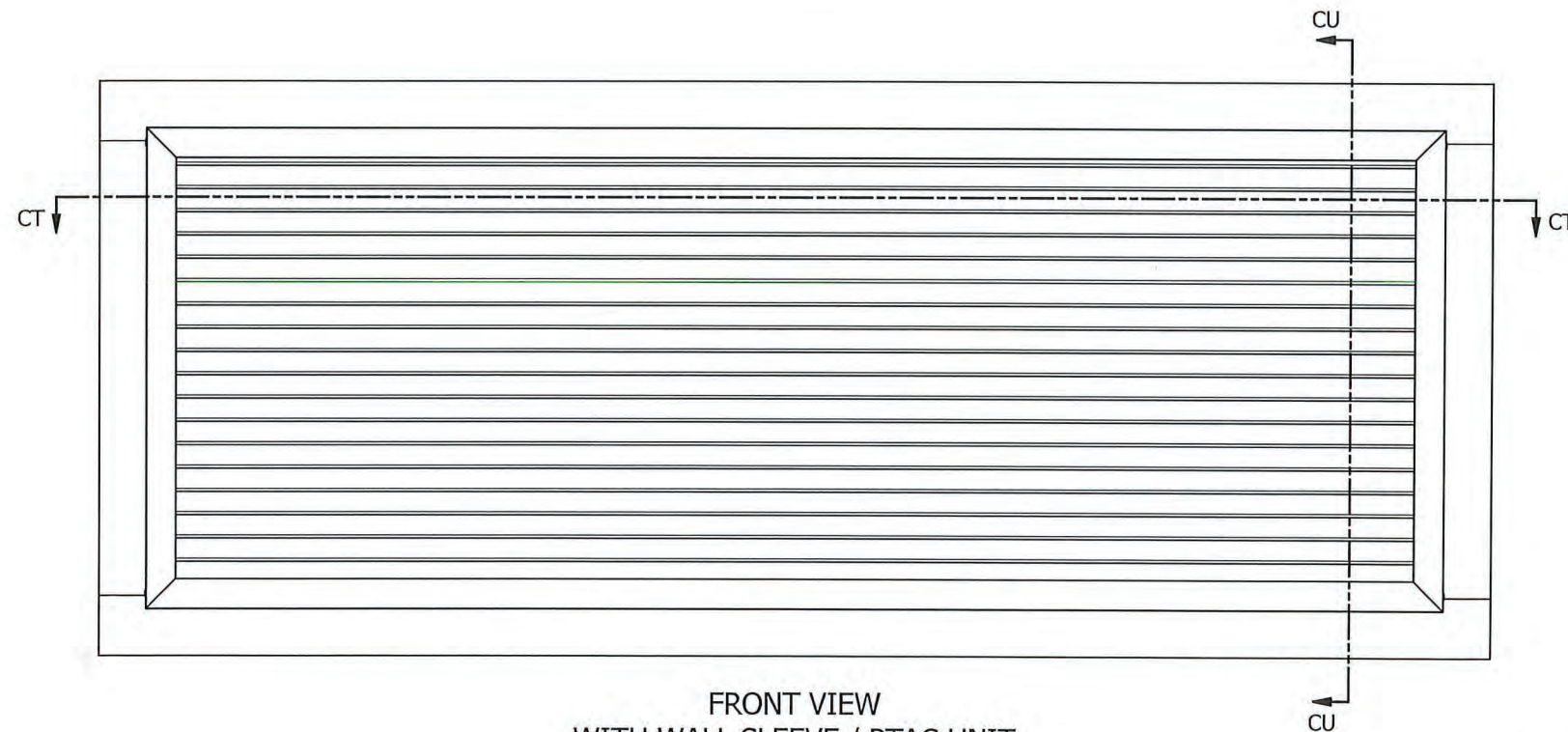


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as complying with the Florida
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NOA-No. 23-1116.08
Expiration Date 12/15/2027
By *CS*
Miami-Dade Product Control

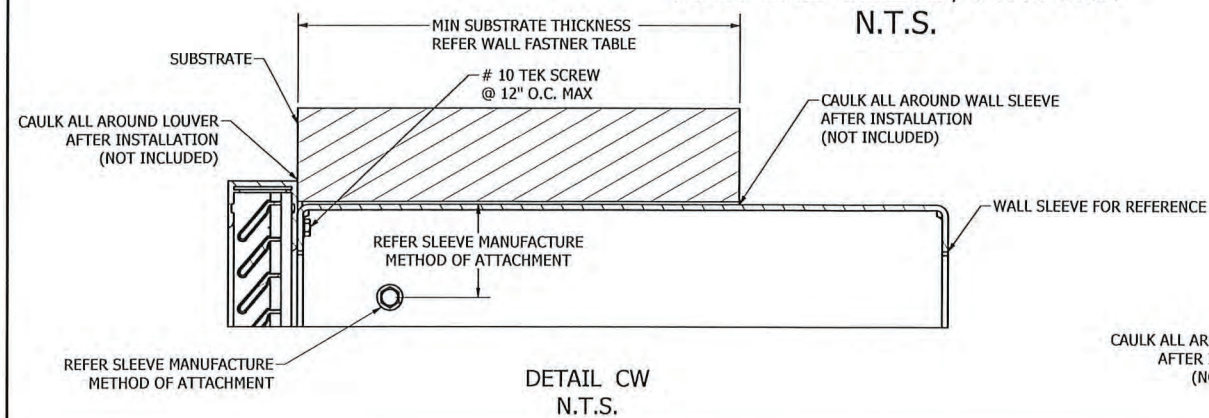
AUTHOR	VDP	11/7/2022		3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	NLT	11/7/2022		
APPROVED	JDS	11/7/2022		
APPROVED	MA	11/7/2022		
MATERIAL	EXTRUDED ALUMINUM		PRODUCT	AEL-42-7020-MD INSTALLATION INSTRUCTIONS
SIZE	D		TITLE	INSTALLATION WITHOUT WALL SLEEVE / PTAC UNIT
SCALE	N.T.S.		DWG NO	60-022678-00D
INVENTOR			REV	-
SHEET	3	OF 8		



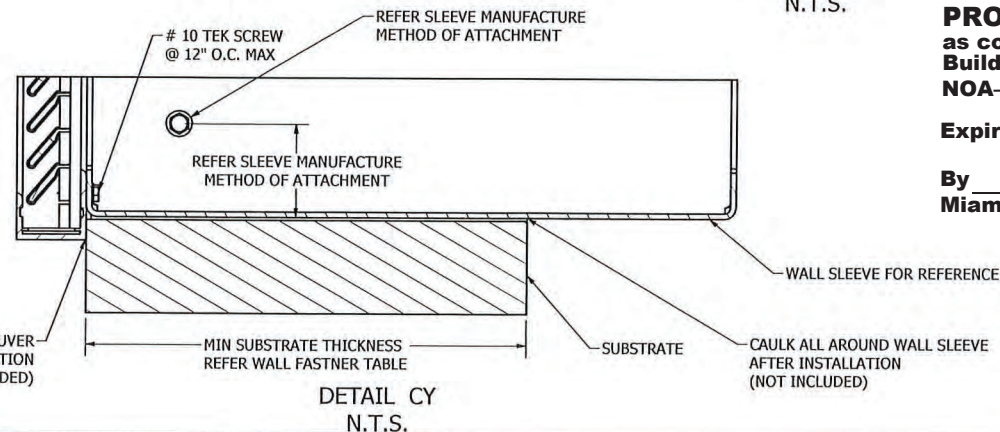
SECTION CT-CT
N.T.S.



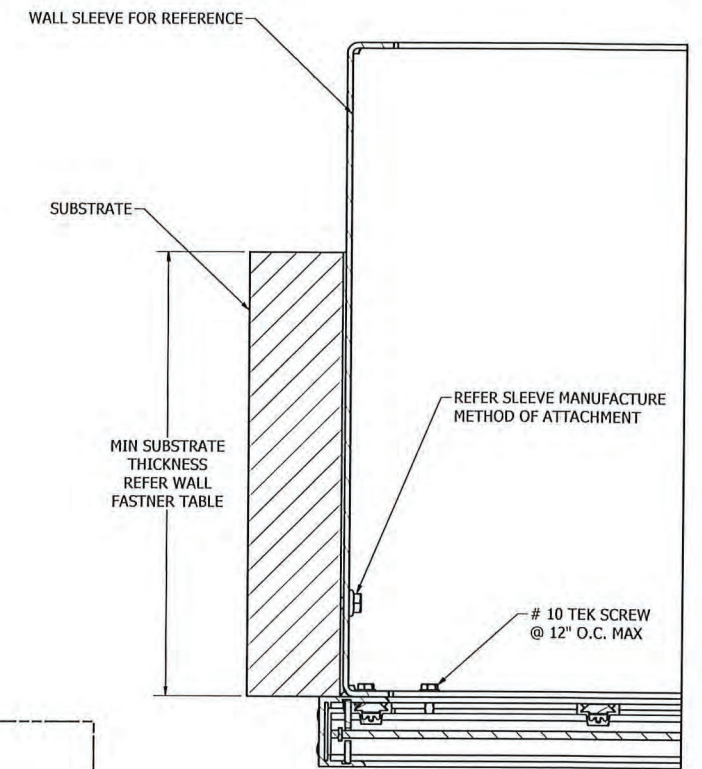
FRONT VIEW
WITH WALL SLEEVE / PTAC UNIT
N.T.S.



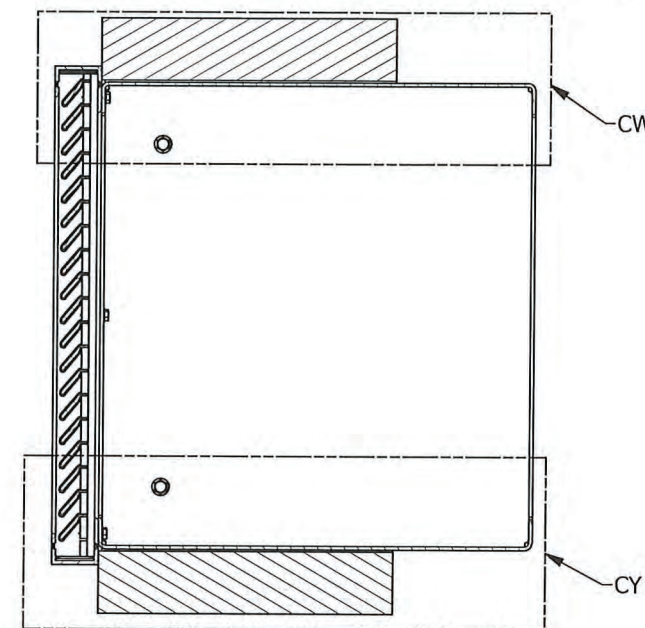
DETAIL CW
N.T.S.



DETAIL CY
N.T.S.

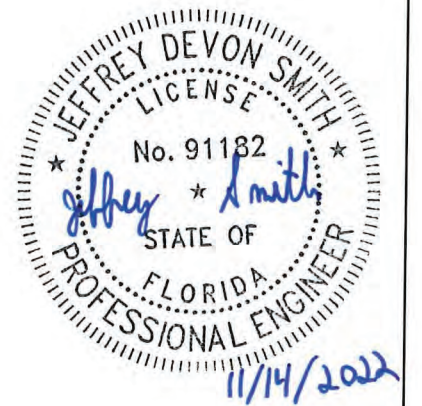


DETAIL CV
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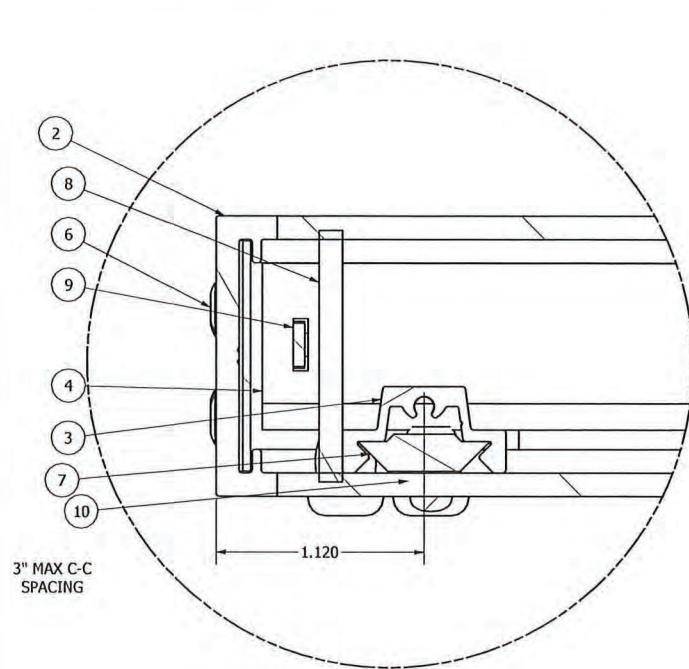


SECTION CU-CU
N.T.S.

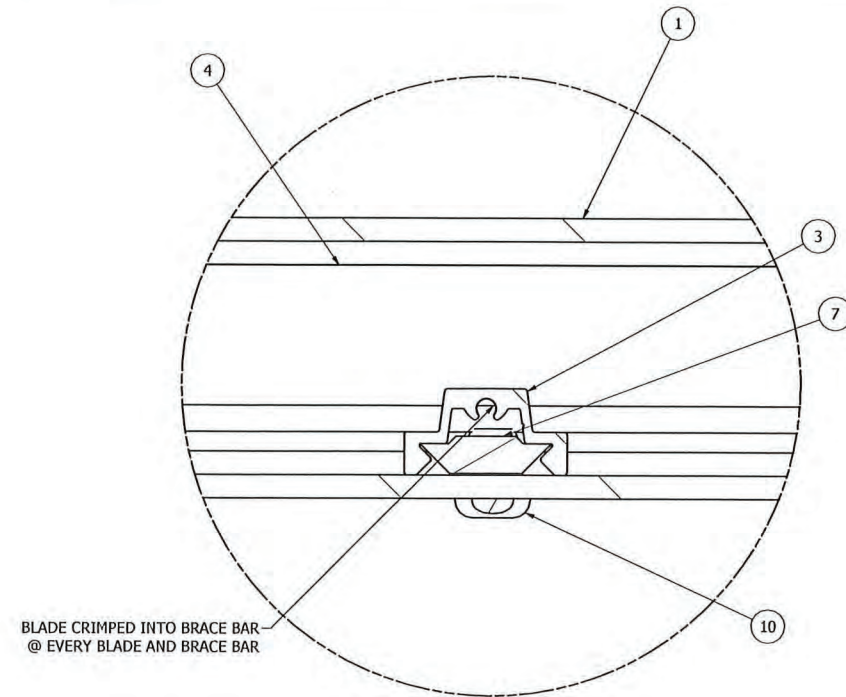
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.08
Expiration Date 12/15/2027
By *CS*
Miami-Dade Product Control



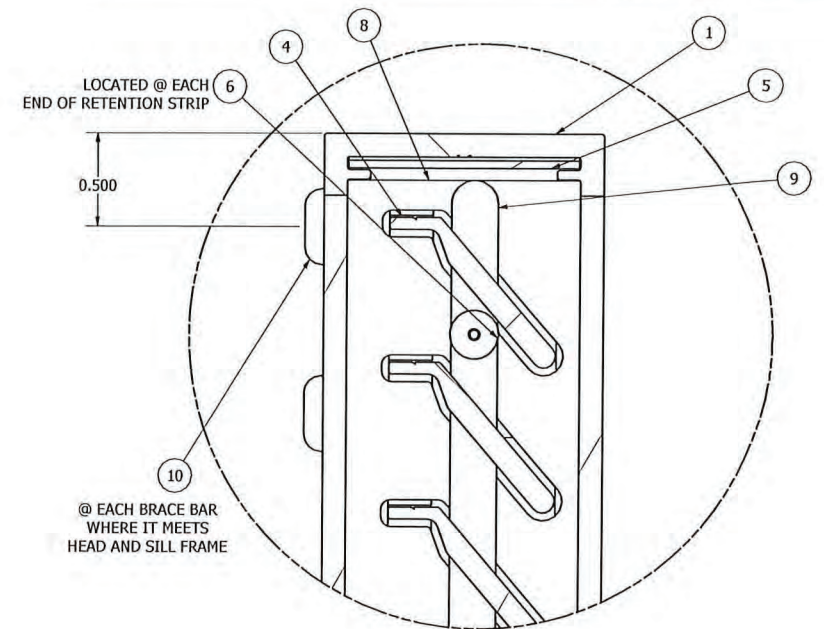
AUTHOR	VDP	11/7/2022	 RUSKIN AUTHORITY IN AIR CONTROL	3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL	
CHECKED	NLT	11/7/2022			
APPROVED	JDS	11/7/2022			
APPROVED	MA	11/7/2022			
MATERIAL	EXTRUDED ALUMINUM		PRODUCT	AEL-42-7020-MD INSTALLATION INSTRUCTIONS	
			TITLE	INSTALLATION WITH WALL SLEEVE / PTAC UNIT	
			SIZE	D	REV
					-
			DWG NO	60-022678-00D	
ECN			SCALE	N.T.S.	INVENTOR
					SHEET 4 OF 8



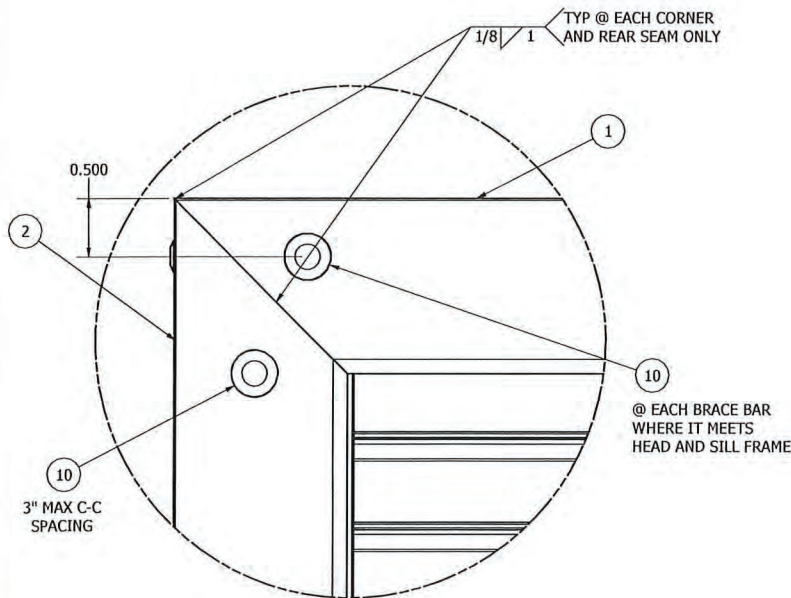
1
2 JAMB CONSTRUCTION DETAIL
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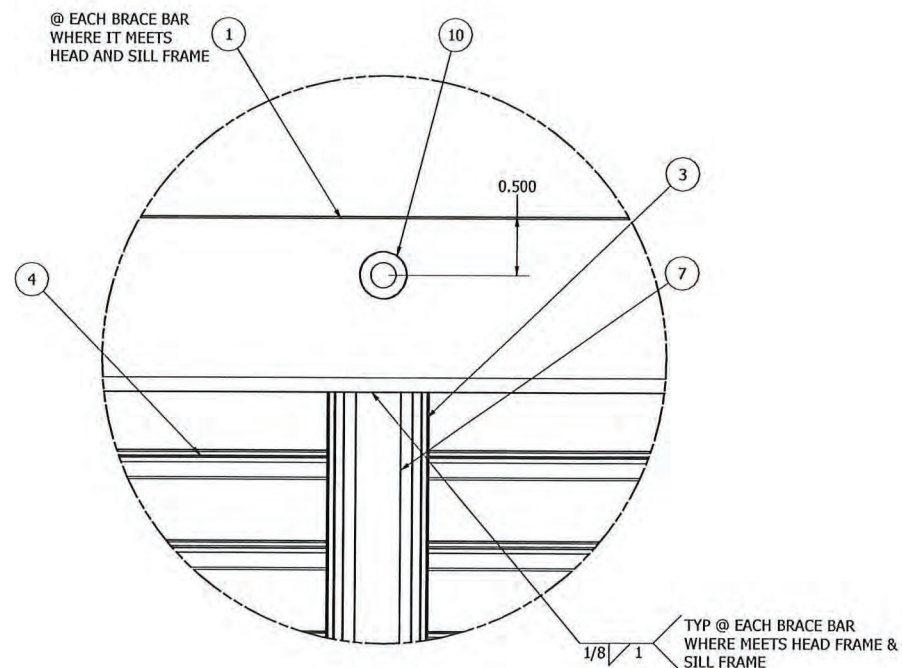
2
2 BRACE BAR CONSTRUCTION DETAIL
N.T.S.



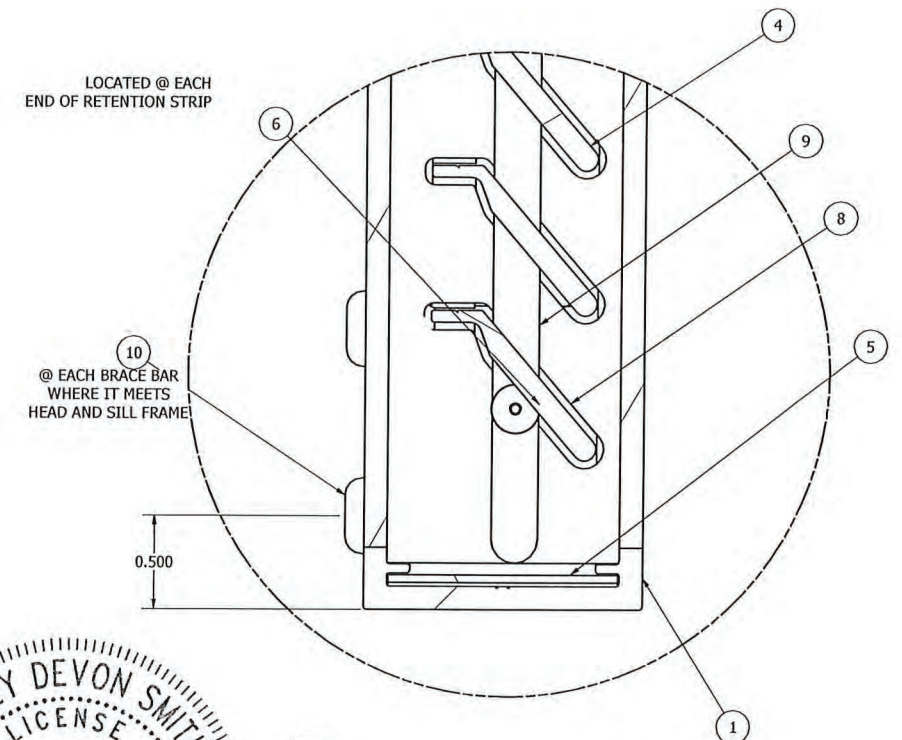
3
2 HEAD CONSTRUCTION DETAIL
N.T.S.



4
2 CORNER CONNCTION DETAIL
N.T.S.



5
2 BRACE BAR WELDMENT CONSTRUCTION DETAIL
N.T.S.

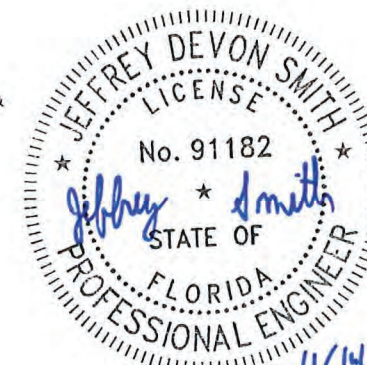


6
2 SILL CONSTRUCTION DETAIL
N.T.S.

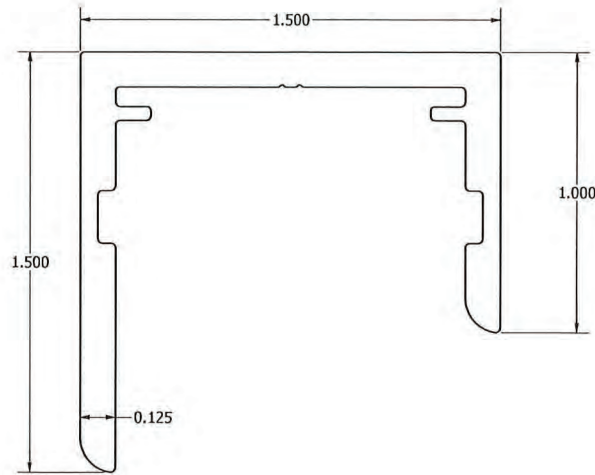
PRODUCT REVISED
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NOA-No. 23-1116.08

Expiration Date 12/15/2027

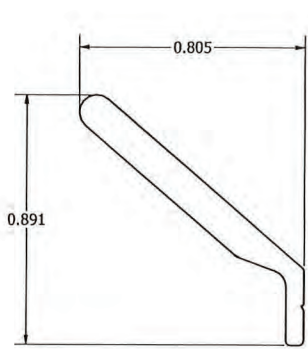
By *[Signature]*
Miami-Dade Product Control



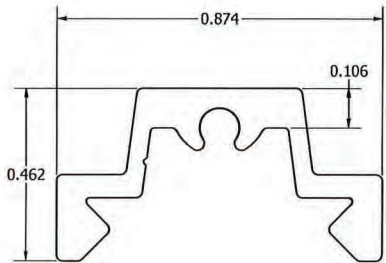
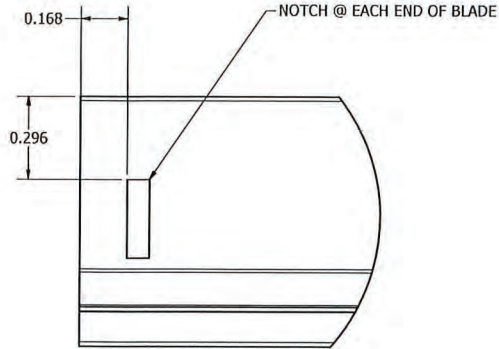
AUTHOR	VDP	11/7/2022	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	NLT	11/7/2022	
APPROVED	JDS	11/7/2022	
APPROVED	MA	11/7/2022	
PRODUCT			AEL-42-7020-MD INSTALLATION INSTRUCTIONS
TITLE			ASSEMBLY CONSTRUCTION DETAILS
MATERIAL			
EXTRUDED ALUMINUM			
SIZE			DWG NO
D			60-022678-00D
SCALE			REV
N.T.S.			-
INVENTOR			SHEET 5 OF 8



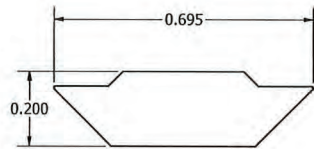
ITEM 1 & 2 HEAD & JAMB FRAME
N.T.S.
RUSKIN PART # 70-023371-00B



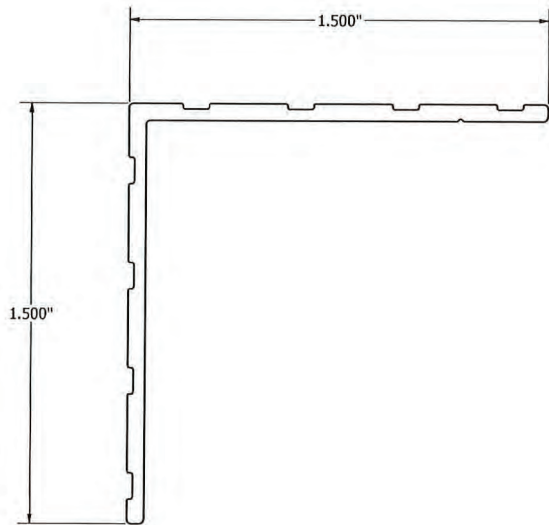
ITEM 4 BLADE
N.T.S.
RUSKIN PART #RSM7020



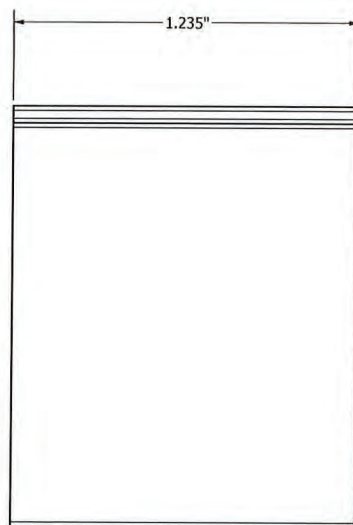
ITEM 3 BRACE BAR
N.T.S.
RUSKIN PART #RSM314



ITEM 7 SPLINE
N.T.S.
RUSKIN PART #RSM70

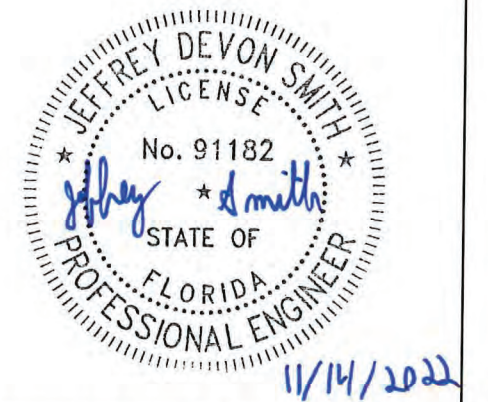
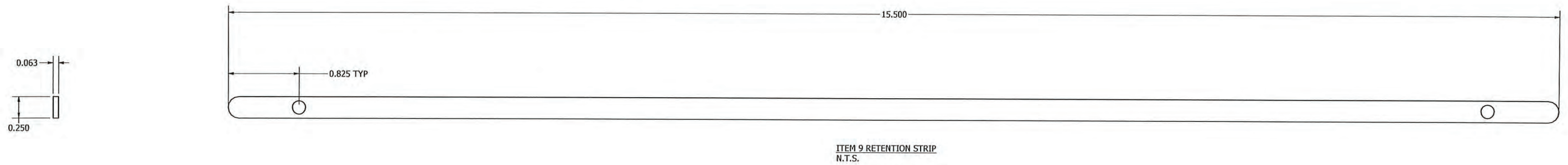
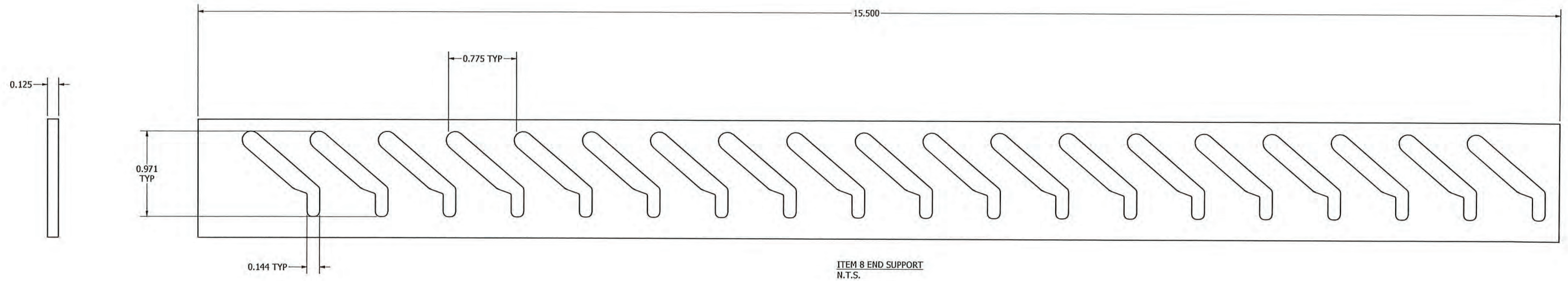


ITEM 5 CORNER LUG
N.T.S.
RUSKIN PART # 285



PRODUCT REVISED
as complying with the Florida
Building Code
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Expiration Date 12/15/2027
By *CS*
Miami-Dade Product Control

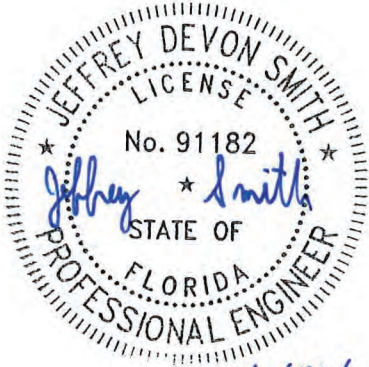
AUTHOR	VDP	11/7/2022	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	NLT	11/7/2022	
APPROVED	JDS	11/7/2022	
APPROVED	MA	11/7/2022	
MATERIAL EXTRUDED ALUMINUM			PRODUCT AEL-42-7020-MD INSTALLATION INSTRUCTIONS
TITLE PARTS			
SIZE D			DWG NO 60-022678-00D
SCALE N.T.S.			REV -
INVENTOR			SHEET 6 OF 8




PRODUCT REVISED
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By *CS*
Miami-Dade Product Control

AUTHOR	VDP	11/7/2022	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	NLT	11/7/2022	
APPROVED	JDS	11/7/2022	
APPROVED	MA	11/7/2022	
MATERIAL EXTRUDED ALUMINUM			PRODUCT AEL-42-7020-MD INSTALLATION INSTRUCTIONS
TITLE PARTS			
SIZE D			DWG NO 60-022678-00D
SCALE N.T.S.			REV -
ECN			INVENTOR SHEET 7 OF 8

WALL FASTENER TABLE (N.I.C.)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MIN. EMBEDMENT	MIN. EDGE DISTANCE	SPACING
WOOD	3" THICK, SPECIFIC GRAVITY = 0.42	1/4"-20 BOLT W/ NUT, A307 GRADE A	3"	1.5"	8"
		3/8" DIA 1.5" LONG SCREW, A307 GRADE A	1.25"	1.0"	
STEEL	18 GAUGE, FU = 45 KSI, FY = 33 KSI	1/4"-20 BOLT W/ NUT, A307 GRADE A	N/A	0.5"	8"
	12 GAUGE, FU = 45 KSI, FY = 33 KSI	1/4"-20 SD SCREW, CS SAE GR.2		1.0"	
ALUMINUM	0.125" THICK, FU = 20 KSI, FY = 15 KSI	1/4"-20 BOLT W/ NUT, A307 GRADE A	N/A	1.0"	8"
		1/4"-20 SD SCREW, CS SAE GR.2			
CONCRETE	F'C = 2500 PSI	1/4" DIA. SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR	1.625"	3.0"	8"
		1/4" DIA. DEWALT SCREW-BOLT+ SCREW ANCHOR	1.625"	2.0"	
		1/4" DIA. HILTI KWIK HUS-EZ SCREW ANCHOR	1.625"	1.5"	
		1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS	1.0"	1.5"	
GROUT FILLED CMU	F'M = 1500 PSI	1/4" DIA. SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR	2.5"	1.25"	8"
		1/4" DIA. DEWALT SCREW-BOLT+ SCREW ANCHOR	1.625"	1.25"	
		1/4" DIA. HILTI KWIK HUS-EZ SCREW ANCHOR	1.625"	4.0"	
		1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS	1.25"	2.0"	



11/14/2022

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.08
Expiration Date 12/15/2027
By 
Miami-Dade Product Control

AUTHOR	VDP	11/7/2022	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL	
CHECKED	NLT	11/7/2022		
APPROVED	JDS	11/7/2022	AUTHORITY IN AIR CONTROL	
APPROVED	MA	11/7/2022	PRODUCT AEL-42-7020-MD INSTALLATION INSTRUCTIONS	
MATERIAL EXTRUDED ALUMINUM			TITLE WALL FASTENER TABLE	
SIZE D			DWG NO 60-022678-00D	REV -
SCALE N.T.S.			INVENTOR	SHEET 8 of 8