



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 ALVRAL-MD-3, ALVRAL-MD-4 and ALVRAL-MD-7 Thin line Package Unit Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022541-00D**, titled "ALVRAL-MD-3, ALVRAL-MD-4 & ALVRAL-MD-7", sheets 1 through 9 of 9 dated 03/23/2020 and last revision dated 09/25/2025, prepared by Ruskin Company, signed and sealed by Jeffrey D. Smith, P.E., bearing the Miami-Dade County Product Control renewal 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, Geneva, AL and Ciudad 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 **renews NOA # 23-1116.04** 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 **Carlos M. Utrera, P.E.**



10/29/25

NOA No. 25-1015.01
Expiration Date: October 15, 2030
Approval Date: November 6, 2025
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOAs

A. DRAWINGS *(Submitted under NOA # 21-1216.11)*

1. Drawing No. **60-022541-00D**, titled “ALVRAL-MD-3, ALVRAL-MD-4 & ALVRAL-MD-7”, sheets 1 through 9 of 9 dated 03/23/2020 and last revised on dated 02/08/2022, prepared by Ruskin Company, signed and sealed by Jeffrey D. Smith, P.E.

B. TESTS

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of ALVRAL-MD-3 and ALVRAL-MD-4 aluminum louvers, prepared by UL LLC., Test Report No. **SV16533-20200326 Rev. 1**, dated 04/14/2020, with revision dated 07/30/2020, signed and sealed by Alexis Spyrou, P.E. *(Submitted under NOA # 20-0612.02)*

C. CALCULATIONS

1. Louver wind load review prepared by Ruskin Company, dated 05/28/2020, signed and sealed by Melissa M. Massar, P.E. *(Submitted under NOA # 20-0612.02)*
2. Louver wind load review prepared by Ruskin Company, dated 07/20/2021, signed and sealed by Jeffrey D. Smith, P.E. *(Submitted under NOA # 21-1216.11)*

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) FBC and of no financial interest issued by Ruskin Company, dated 08/14/2020, signed and sealed by Melissa M. Massar, P.E. *(Submitted under NOA # 20-0612.02)*
2. Distributor agreement dated 06/01/2020. *(Submitted under NOA # 20-0612.02)*
3. 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.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 25-1015.01
Expiration Date: October 15, 2030
Approval Date: November 6, 2025

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **60-022541-00D**, titled “ALVRAL-MD-3, ALVRAL-MD-4 & ALVRAL-MD-7”, sheets 1 through 9 of 9 dated 03/23/2020 and last revision dated 09/25/2025, prepared by Ruskin Company, signed and sealed by Jeffrey D. Smith, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

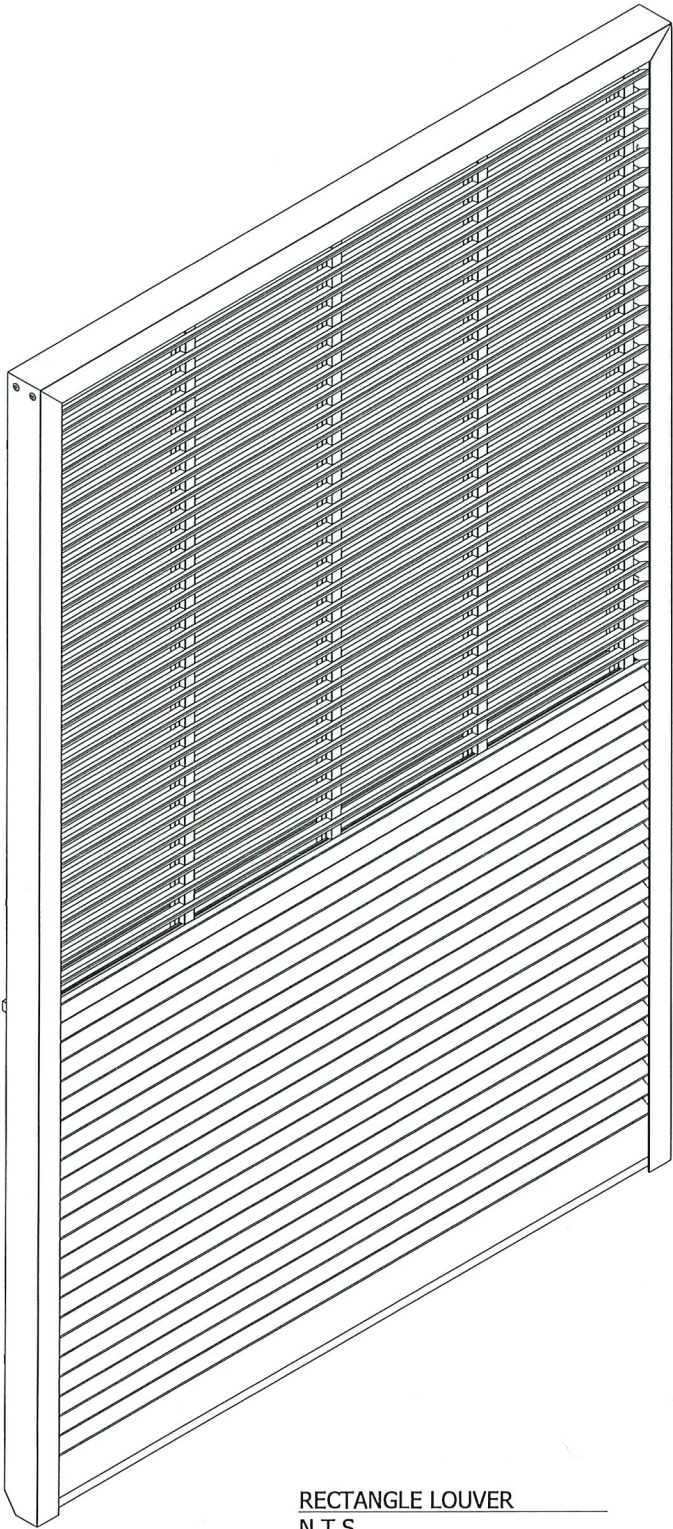
F. STATEMENTS

1. Statement letter of code conformance to the 8th edition (2023) of the FBC, issued by Ruskin Company, dated 09/24/2025, signed and sealed by Jeffrey D. Smith, P.E.
2. Statement letter of no financial interest, issued by Ruskin Company, dated 09/24/2025, signed and sealed by Jeffrey D. Smith, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
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PARTS LIST			
ITEM	DESCRIPTION	MATERIAL	ALLOY
1	HEAD FRAME	0.125" THK EXTRUDED ALUMINUM	6063-T6
2	SILL ANGLE	0.125" THK EXTRUDED ALUMINUM	6063-T6
3	JAMB FRAME	0.125" THK EXTRUDED ALUMINUM	6063-T6
4	BLADE	0.072" THK EXTRUDED ALUMINUM	6063-T5
5	Y BLADE	0.048" THK EXTRUDED ALUMINUM	6063-T6
6	BOTTOM BLADE	0.063" THK EXTUDED ALUMINUM	6063-T5
7	CORNER LUG	0.061" THK EXTRUDED ALUMINUM	6063-T5
8	BLANK OFF	0.032" THK SHEET ALUMINUM	5052-H32
9	SPLITTER GASKET	0.500 X 0.375 POLYETHER	-
10	BRACE BAR	0.050" THK EXTRUDED ALUMINUM	6063-T5
11	SPLINE	0.200" THK EXTRUDED ALUMINUM	6063-T5
12	END SUPPORT	0.125" THK SHEET ALUMINUM	5005-H34
13	RETENTION STRIP	0.063" THK SHEET ALUMINUM	5005-H34
14	#10-16 X 1" SAE GRADE 2 S.D. "HWH" SCREW	ZINC PLATED	-
15	0.250 I.D. ROUND WASHER	ZINC PLATED	-
16	1/8" DIA 0.313" - 0.375" GRIP POP RIVET	ALUMINUM	-
17	3/16" DIA POP RIVET 0.020" - 0.125" GRIP	STEEL	-



RECTANGLE LOUVER
N.T.S.
ALVRAL-MD-3 REF SHEET 02
ALVRAL-MD-4 REF SHEET 03
ALVRAL-MD-7 REF SHEET 04

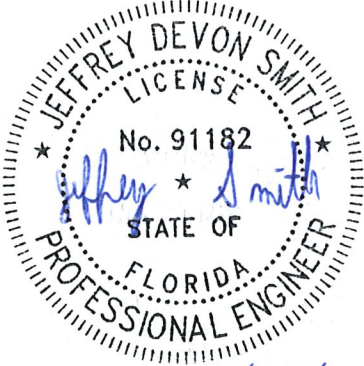
ABBREVIATIONS:

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 "A" & DETAILS
SHEET 03 - ASSEMBLY "B" & DETAILS
SHEET 04 - ASSEMBLY "C" & DETAILS
SHEET 05 - ASSEMBLY CONSTRUCTION DETAILS
SHEET 06 - ASSEMBLY CONSTRUCTION DETAILS
SHEET 07 - INSTALL DETAILS
SHEET 08 - PARTS
SHEET 09 - PARTS

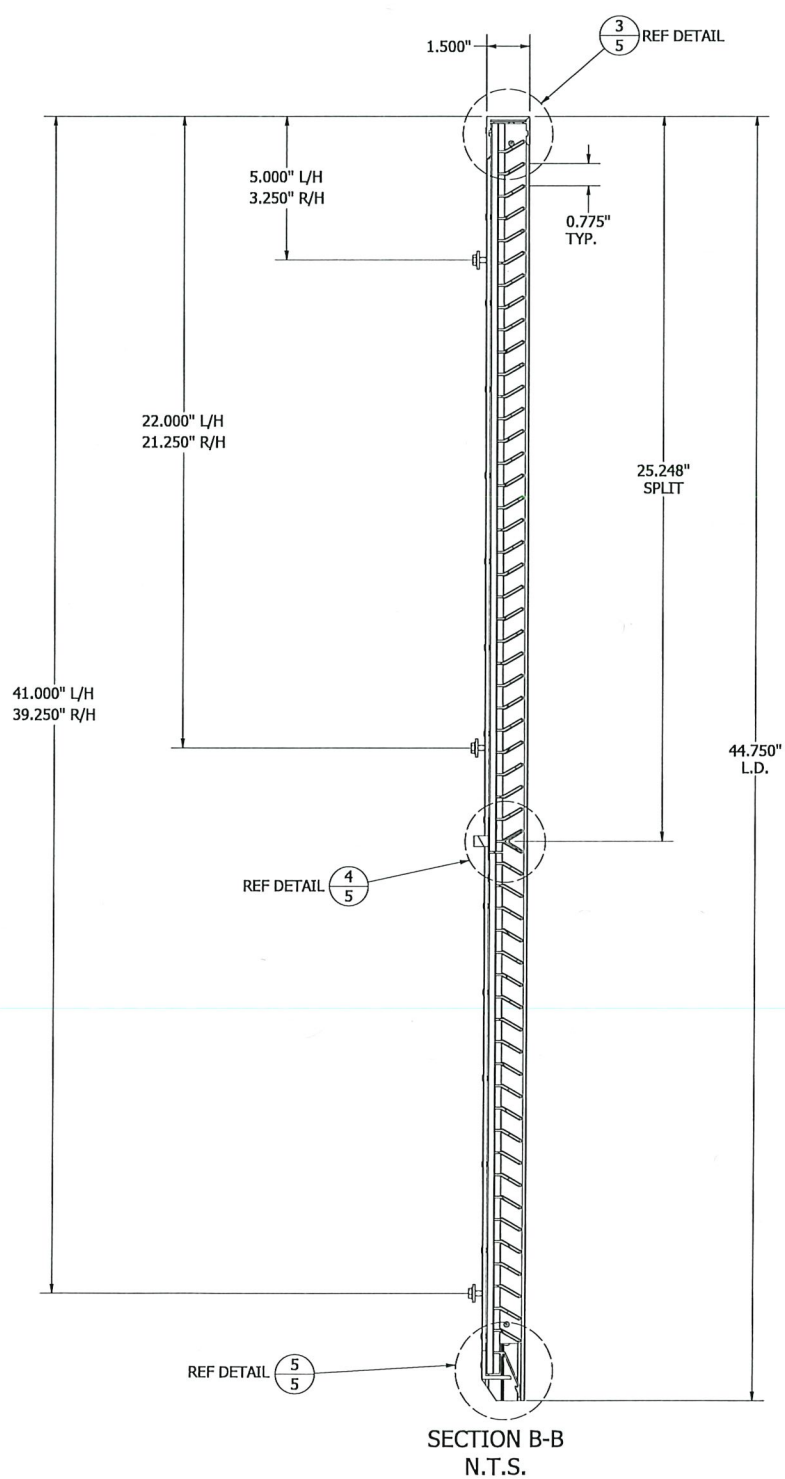
NOTES:

1. THE ALVRAL-MD-3, ALVRAL-MD-4 & ALVRAL-MD-7 HAVE BEEN TESTED IN ACCORDANCE WITH MIAMI-DADE COUNTY PROTOCOLS TAS-201, 202, & 203 FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE AND CYCLIC WIND PRESSURE.
2. THIS LOUVER SYSTEM IS APPROVED FOR APPLICATIONS WITH DESIGN PRESURES OF +/- 50 PSF OR LESS. THIS LOUVER IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
3. THIS LOUVER IS TO BE INSTALLED IN LOCATIONS WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER THAT PENETRATES INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS OR SUPPLIES.
4. THIS LOUVER IS TO BE ATTACHED TO A WALL SLEEVE PROVIDED BY OTHERS. RUSKIN DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE WALL SLEEVE. MINIMUM WALL SLEEVE MATERIAL REQUIREMENTS GIVEN ARE ONLY AS NEEDED FOR ADEQUATE ATTACHMENT OF THE LOUVER.

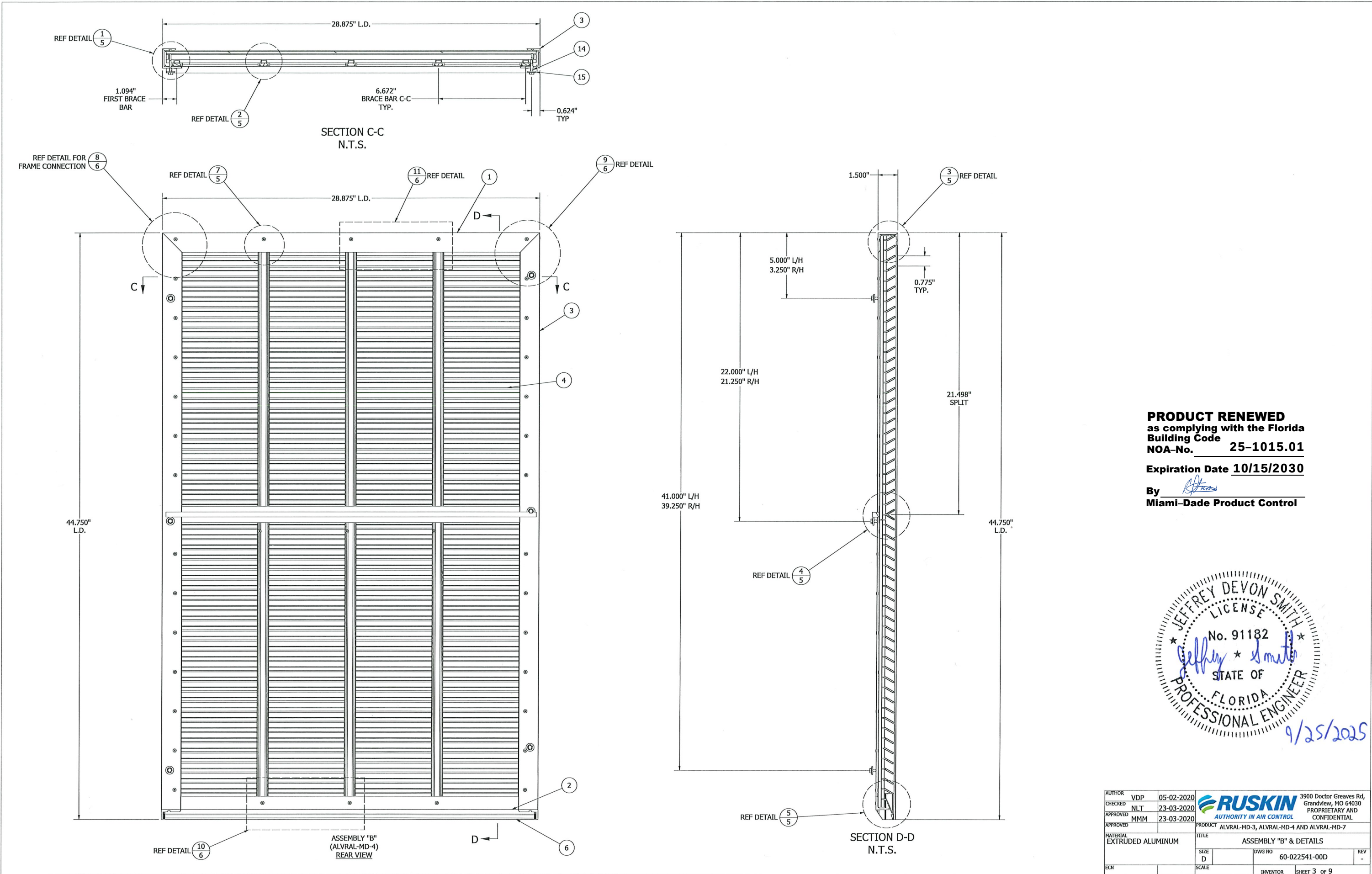


PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 25-1015.01
Expiration Date 10/15/2030
By 
Miami-Dade Product Control

AUTHOR	VDP	05-02-2020	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL		
CHECKED	NLT	23-03-2020			
APPROVED	MMM	23-03-2020			
MATERIAL EXTRUDED ALUMINUM			PRODUCT ALVRAL-MD-3, ALVRAL-MD-4 AND ALVRAL-MD-7		
TITLE NOTES, PART LIST, ASSEMBLY VIEWS & DRAWING INDEX			TITLE		
SIZE D			DWG NO 60-022541-00D		
SCALE			REV -		
EON			INVENTOR SHEET 1 OF 9		



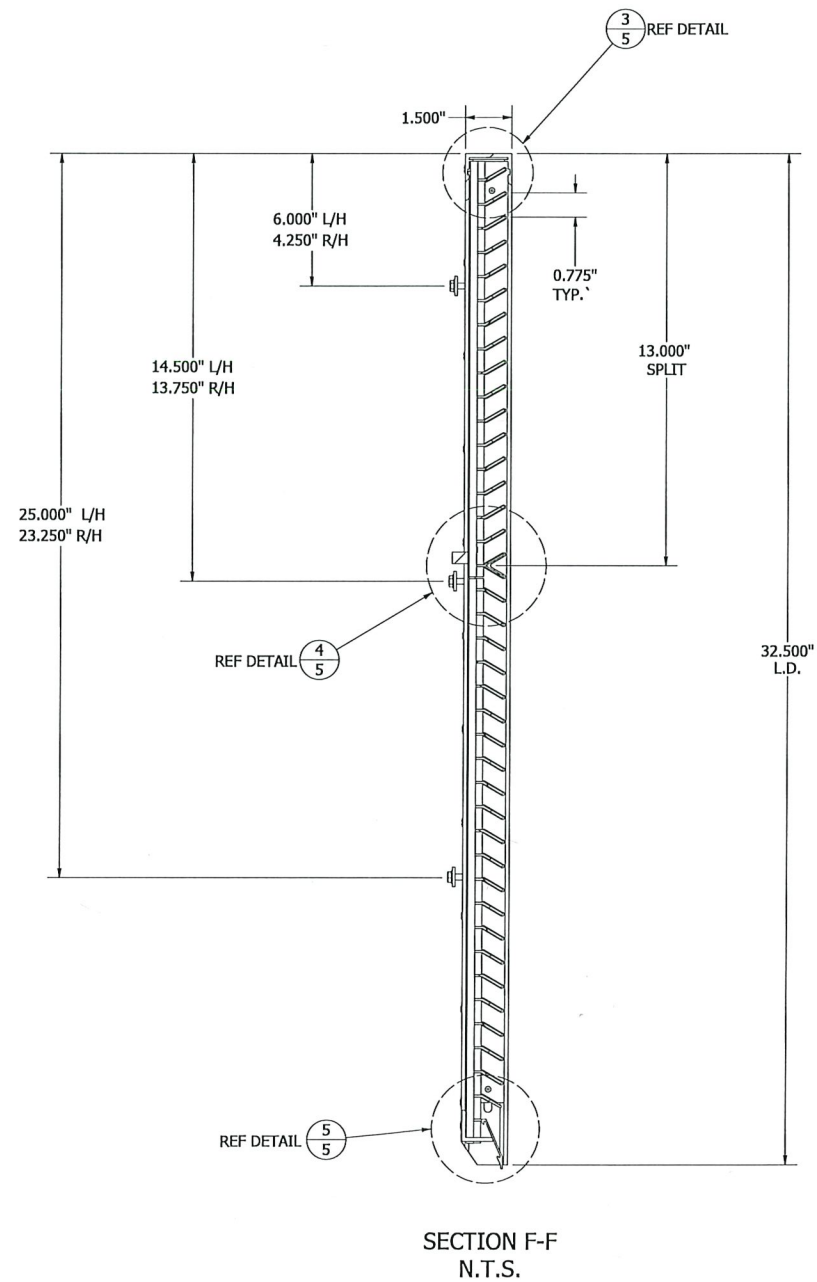
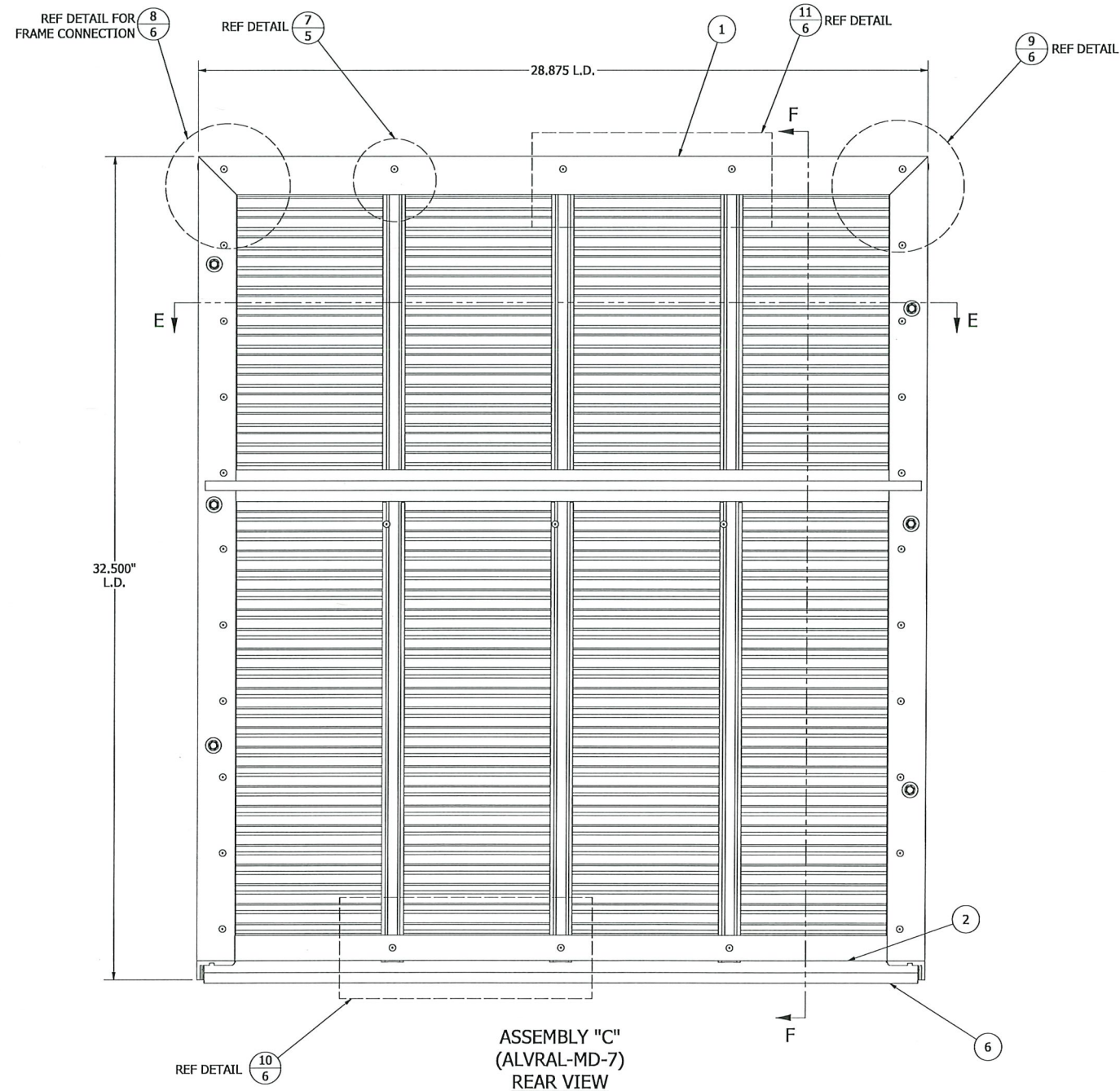
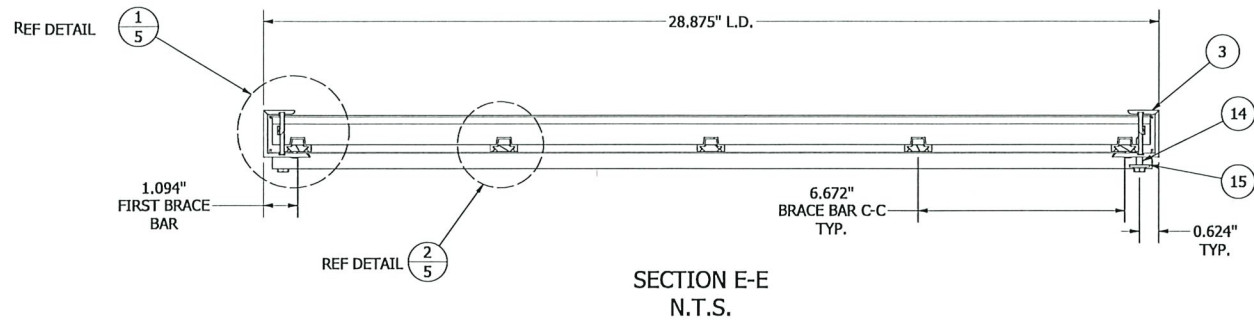
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CHECKED	NLT	23-03-2020			Grandview, MO 64030	
APPROVED	MMM	23-03-2020			PROPRIETARY AND CONFIDENTIAL	
APPROVED			PRODUCT	ALVRAL-MD-3, ALVRAL-MD-4 AND ALVRAL-MD-7		
MATERIAL EXTRUDED ALUMINUM			TITLE ASSEMBLY "A" & DETAILS			
			SIZE D	DWG NO		REV
				60-022541-00D		-
ECH			SCALE	INVENTOR		SHEET 2 of 9



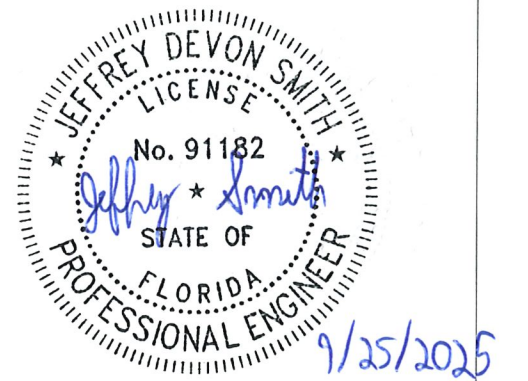
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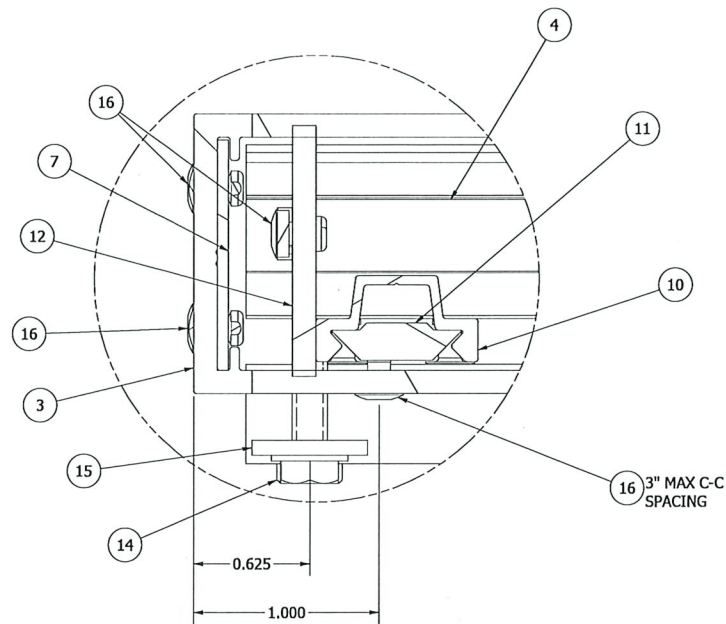
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CHECKED	NLT	23-03-2020				
APPROVED	MMM	23-03-2020				
APPROVED						
MATERIAL	EXTRUDED ALUMINUM		PRODUCT	ALVRAL-MD-3, ALVRAL-MD-4 AND ALVRAL-MD-7		
TITLE			ASSEMBLY "B" & DETAILS			
SIZE			DWG NO	60-022541-00D	REV	-
SCALE		INVENTOR		SHEET 3 of 9		



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CHECKED	NLT	23-03-2020				
APPROVED	MMM	23-03-2020				
APPROVED						
MATERIAL EXTRUDED ALUMINUM			PRODUCT	ALVRAL-MD-3, ALVRAL-MD-4 AND ALVRAL-MD-7		
			TITLE ASSEMBLY "C" & DETAILS			
			SIZE D	DWG NO 60-022541-00D		REV -
ECN			SCALE	INVENTOR SHEET 4 OF 9		

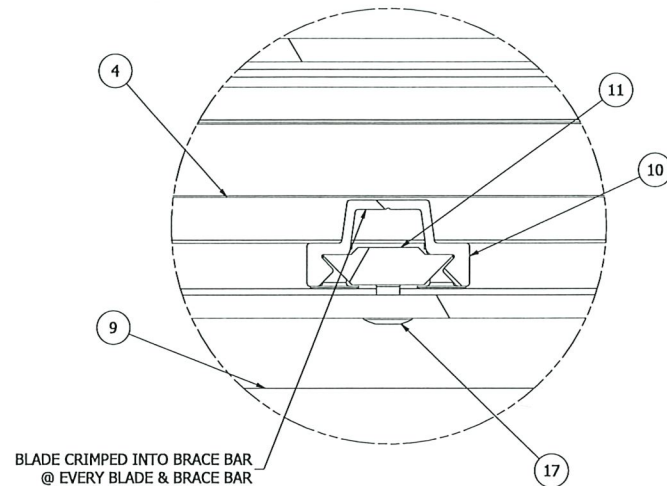


1 JAMB CONSTRUCTION DETAILS
2,3,4 N.T.S.

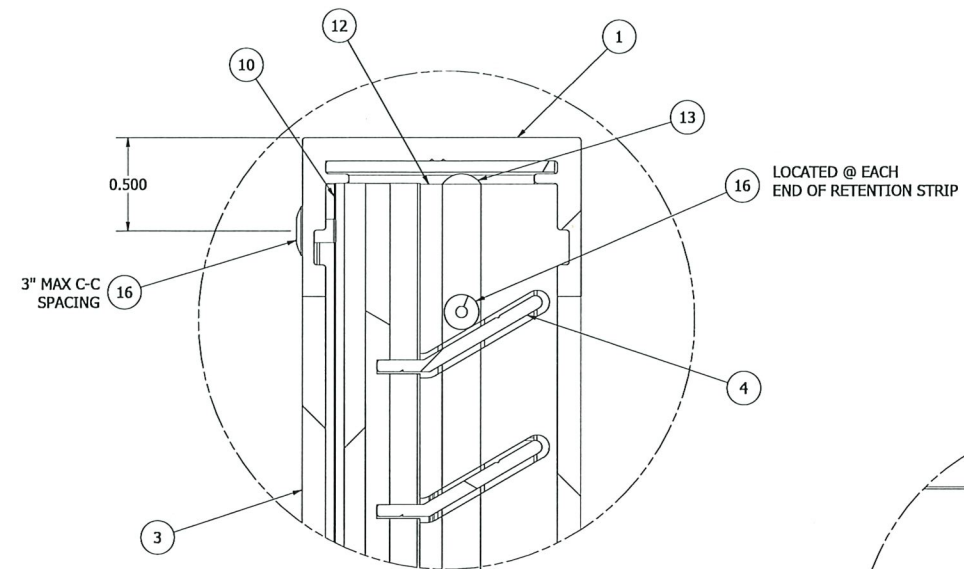
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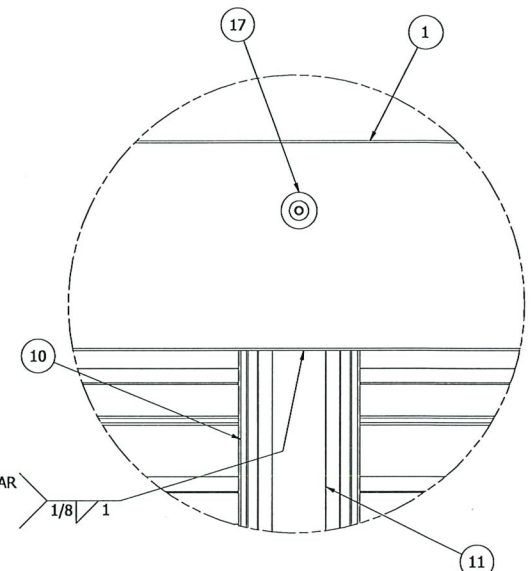
By *[Signature]*
Miami-Dade Product Control



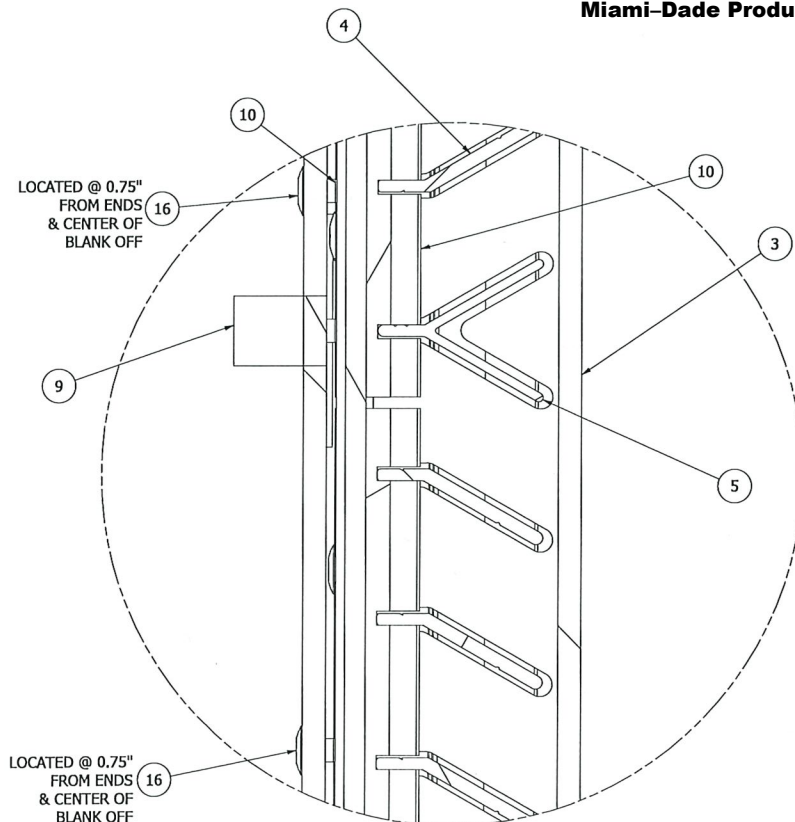
2 BRACE BAR CONSTRUCTION DETAILS
2,3,4 N.T.S.



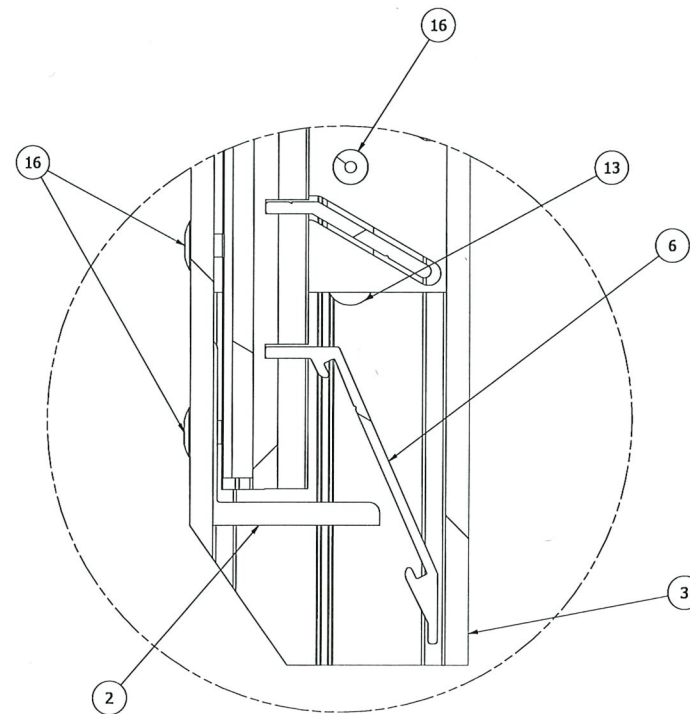
3 HEAD CONSTRUCTION DETAILS
2,3,4 N.T.S.



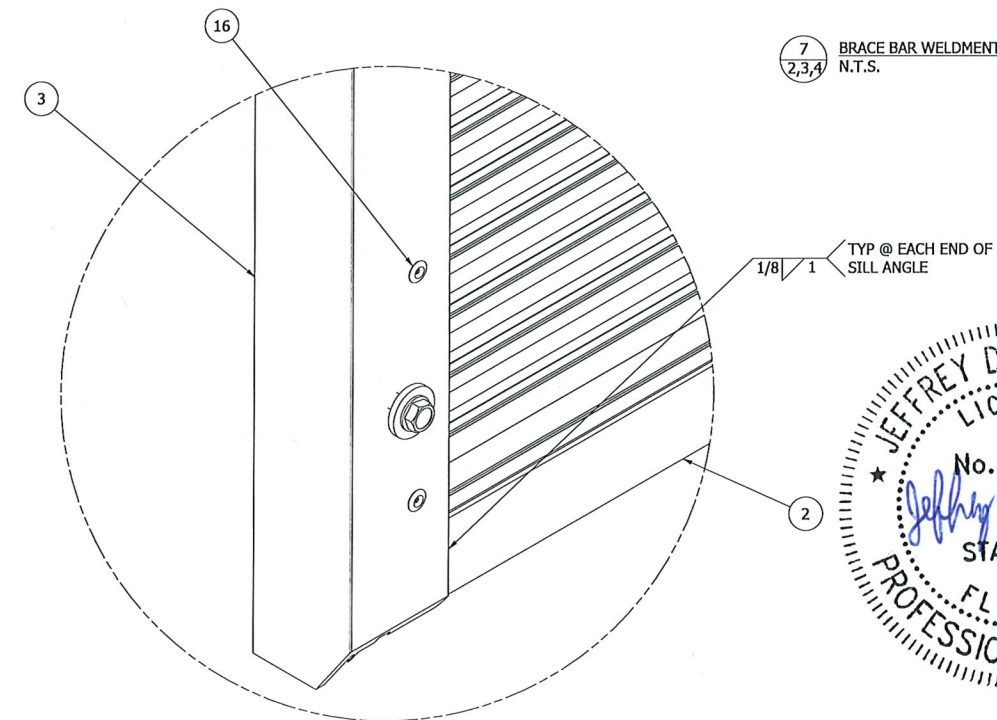
7 BRACE BAR WELDMENT CONSTRUCTION DETAILS
2,3,4 N.T.S.



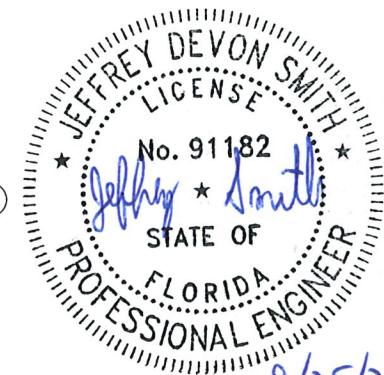
4 Y BLADE CONSTRUCTION DETAILS
2,3,4 N.T.S.



5 SILL CONSTRUCTION DETAILS
2,3,4 N.T.S.



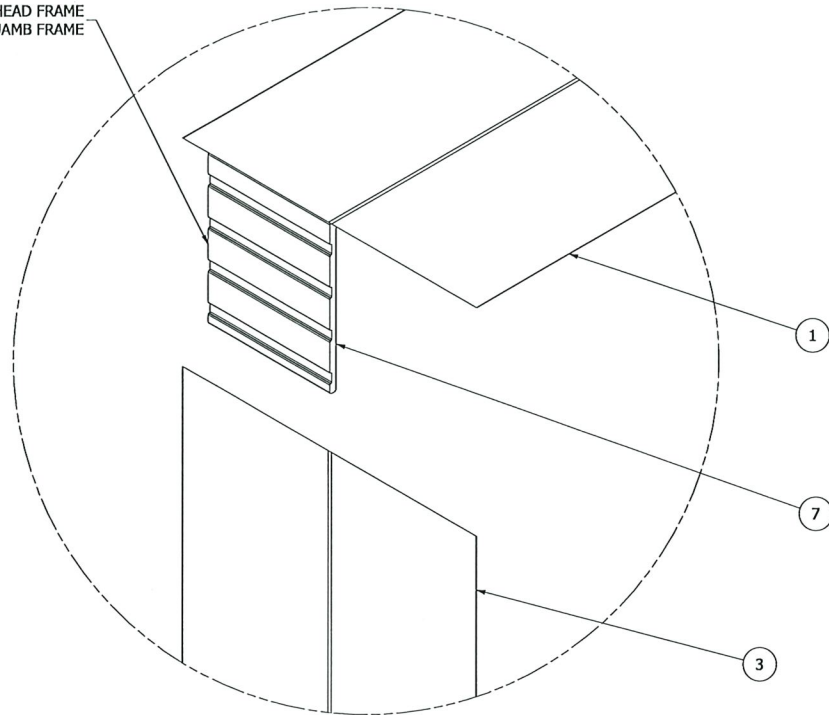
6 SILL WELDMENT DETAILS
N.T.S.



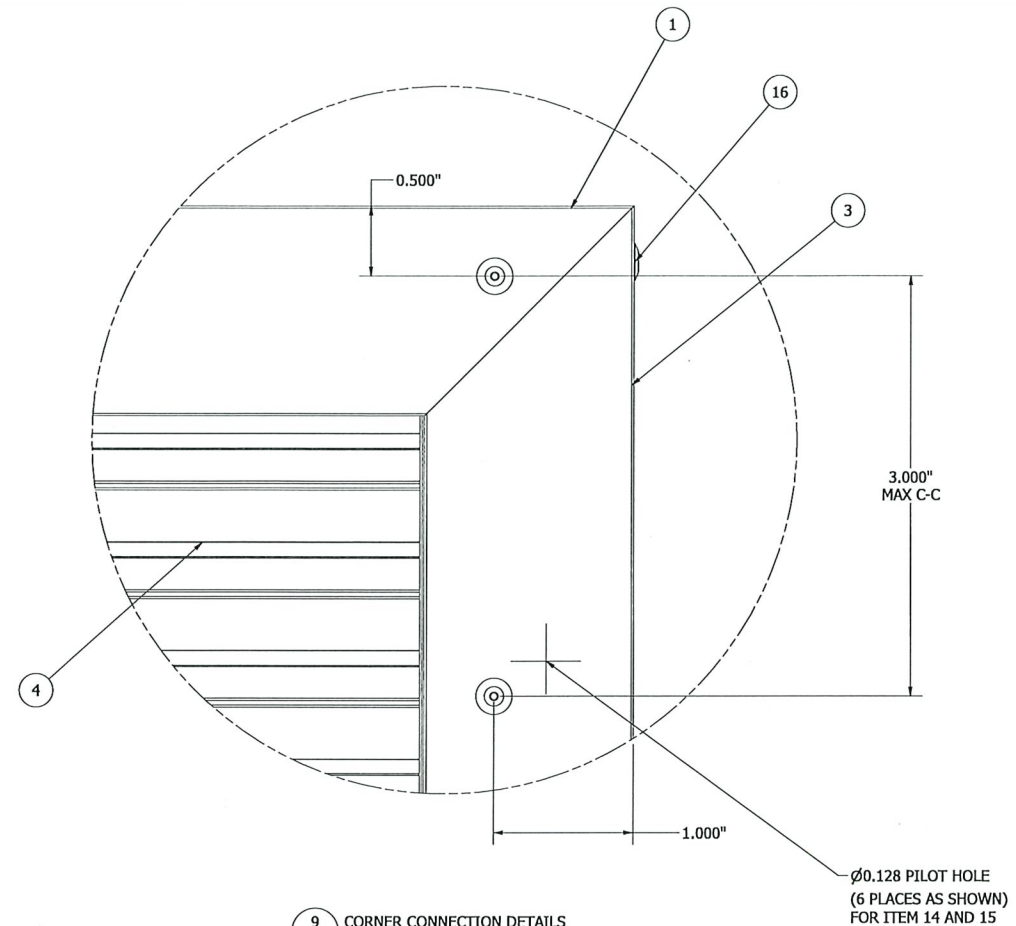
9/25/2025

AUTHOR	VDP	05-02-2020	 RUSKIN 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
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APPROVED	MMM	23-03-2020	
APPROVED			
MATERIAL EXTRUDED ALUMINUM			PRODUCT ALVRAL-MD-3, ALVRAL-MD-4 AND ALVRAL-MD-7
			TITLE ASSEMBLY CONSTRUCTION DETAILS
			SIZE D
			DWG NO 60-022541-00D
			SCALE
			INVENTOR
			SHEET 5 of 9

CORNER LUG CRIMPED TO HEAD FRAME
& RIVETED TO JAMB FRAME



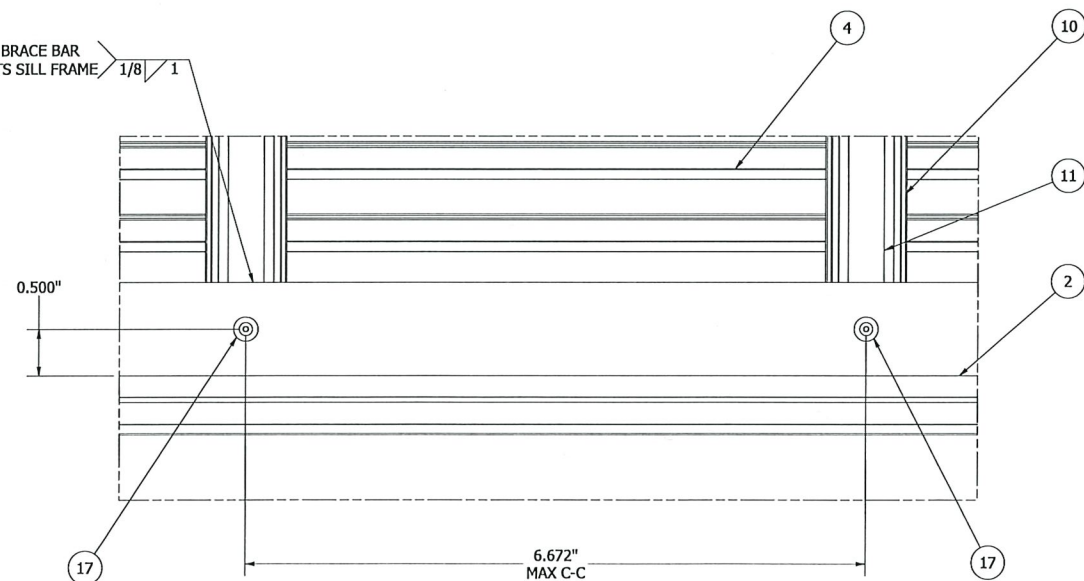
8 CORNER CONNECTION DETAILS
2,3,4 N.T.S.



9 CORNER CONNECTION DETAILS
2,3,4 N.T.S.

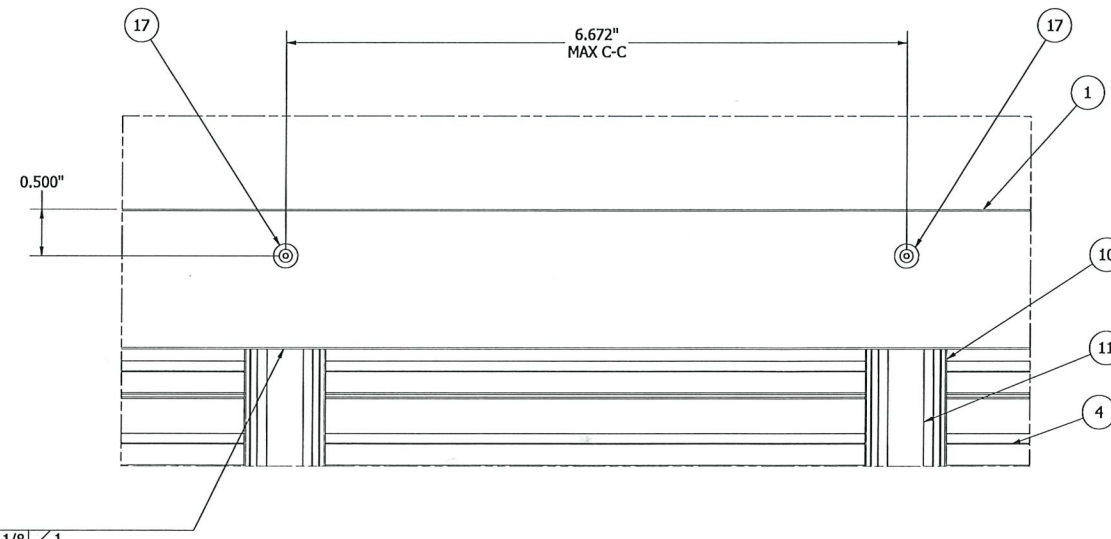
Ø0.128 PILOT HOLE
(6 PLACES AS SHOWN)
FOR ITEM 14 AND 15

TYP @ EACH BRACE BAR
WHERE MEETS SILL FRAME 1/8" 1



10 SILL CONNECTION DETAILS
2,3,4 N.T.S.

TYP @ EACH BRACE BAR
WHERE MEETS HEAD FRAME 1/8" 1

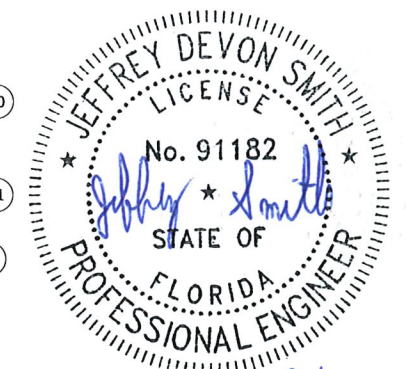


11 HEAD CONNECTION DETAILS
2,3,4 N.T.S.

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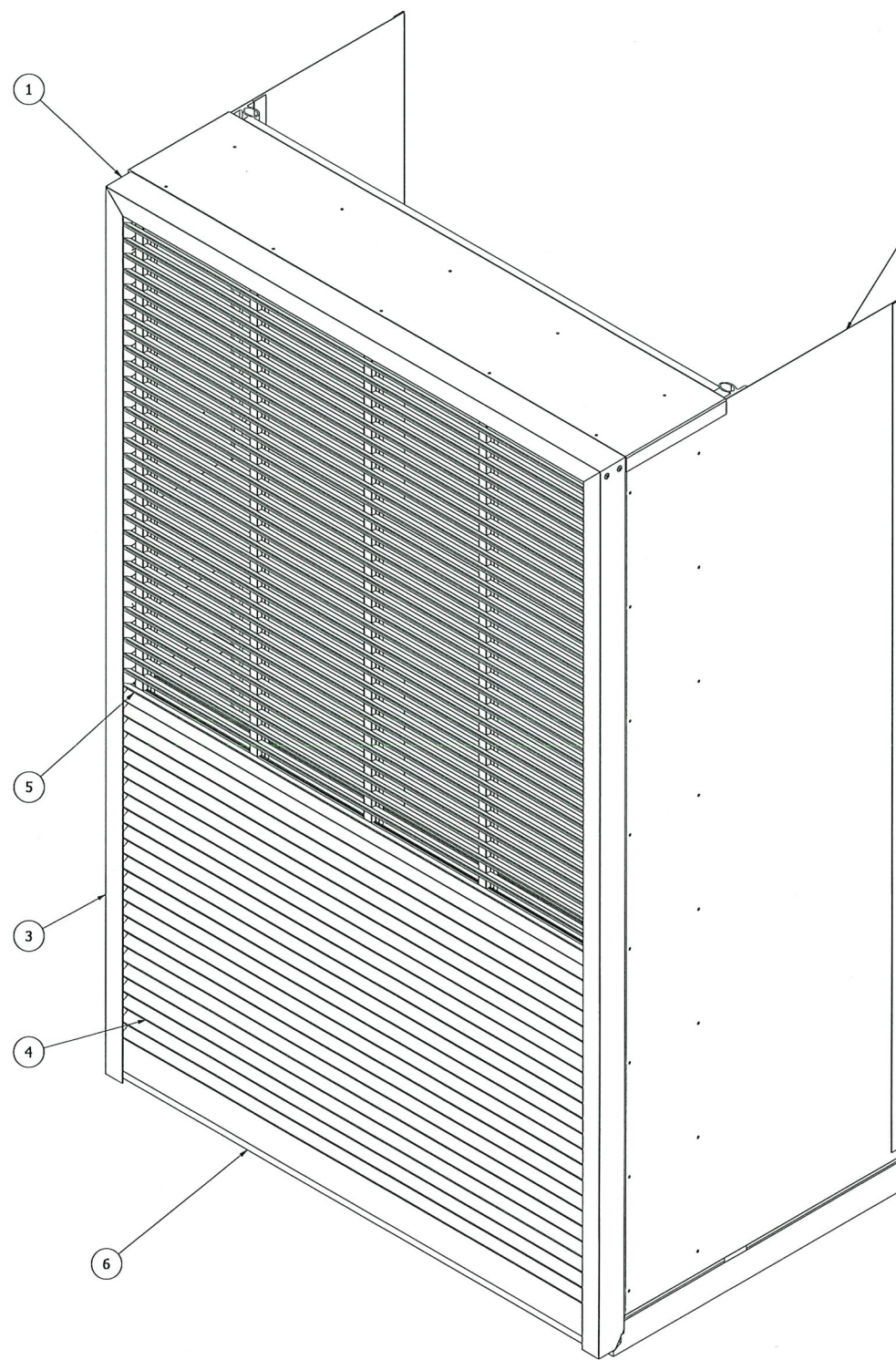
Expiration Date 10/15/2030

By *[Signature]*
Miami-Dade Product Control



9/25/2025

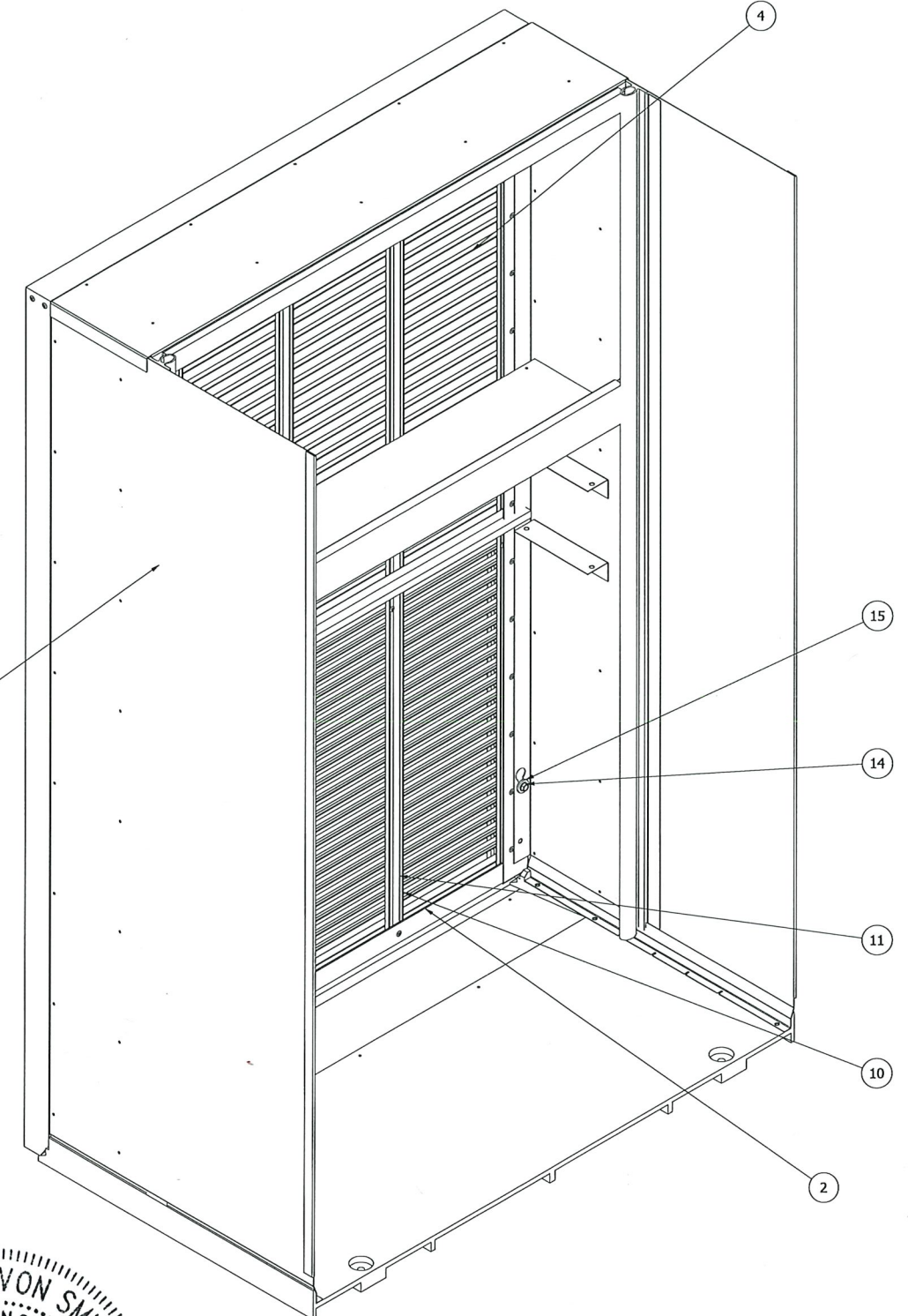
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APPROVED			PRODUCT ALVRAL-MD-3, ALVRAL-MD-4 AND ALVRAL-MD-7
MATERIAL	EXTRUDED ALUMINUM		TITLE ASSEMBLY CONSTRUCTION DETAILS
SIZE	D	DWG NO 60-022541-00D	REV -
ECN		SCALE	INVENTOR SHEET 6 OF 9



WALL SLEEVE ATTACHMENT DETAIL
FRONT VIEW
N.T.S.

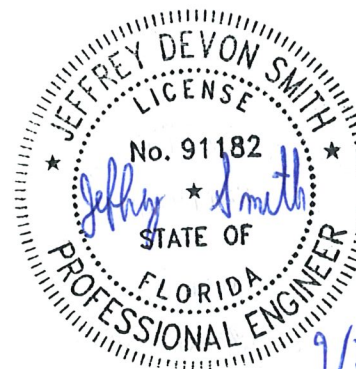
WALL SLEEVE BY OTHERS
(MIN 22GA GALV STEEL)

WALL SLEEVE BY OTHERS
(MIN 22GA GALV STEEL)

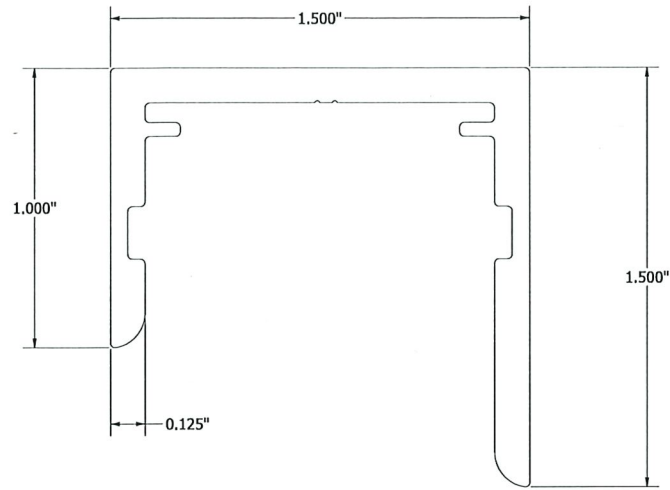


WALL SLEEVE ATTACHMENT DETAIL
REAR VIEW
N.T.S.

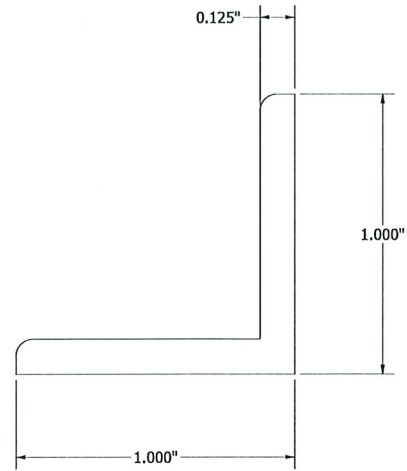
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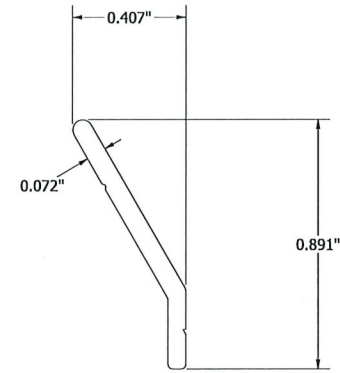
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MATERIAL EXTRUDED ALUMINUM			PRODUCT ALVRAL-MD-3, ALVRAL-MD-4 AND ALVRAL-MD-7
TITLE INSTALL DETAILS			
SIZE D		DWG NO 60-022541-00D	REV -
SCALE		INVENTOR	SHEET 7 OF 9



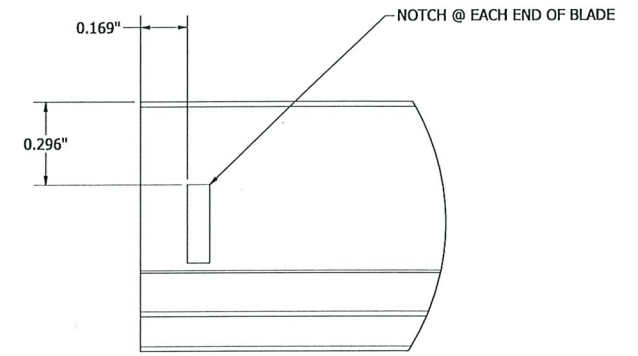
ITEM 1 & 3 HEAD & JAMB FRAME
N.T.S.
RUSKIN PART # 70-023371-00B



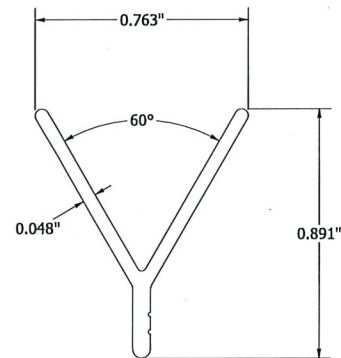
ITEM 2 SILL ANGLE
N.T.S.



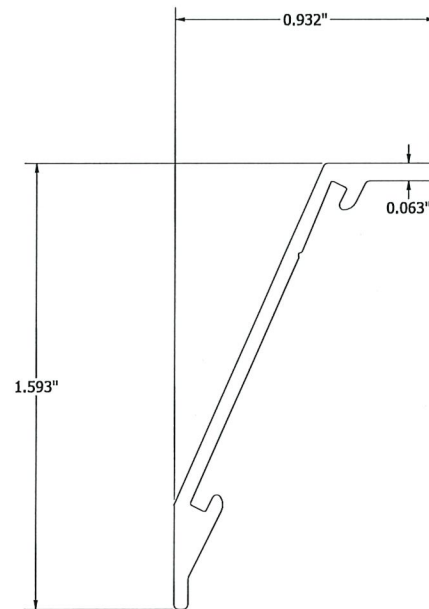
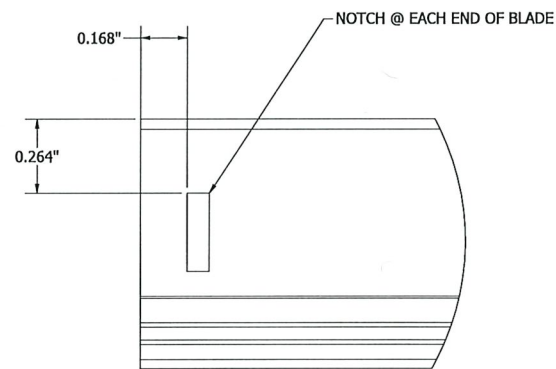
ITEM 4 BLADE
N.T.S.
RUSKIN PART # RSM218



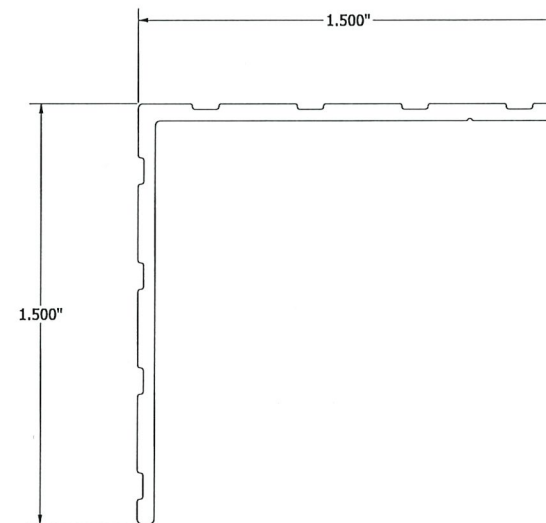
DETAIL AD



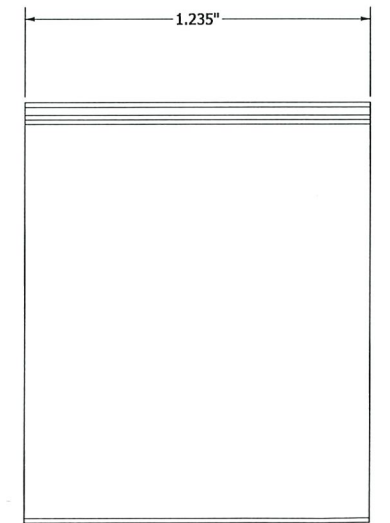
ITEM 5 Y BLADE
N.T.S.
RUSKIN PART # 70-023132-00B



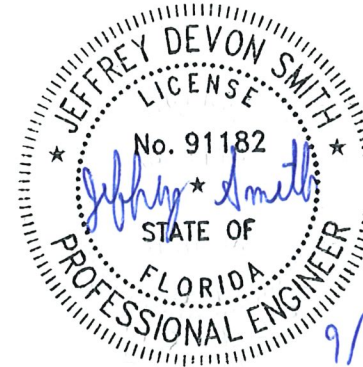
ITEM 6 BOTTOM BLADE
N.T.S.
RUSKIN PART # RSM68



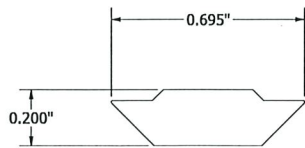
ITEM 7 CORNER LUG
N.T.S.
RUSKIN PART # RSM285



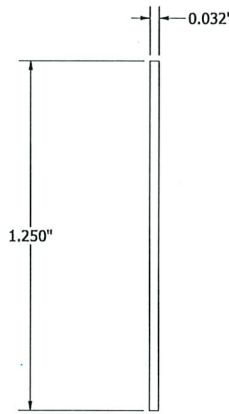
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **25-1015.01**
Expiration Date **10/15/2030**
By *[Signature]*
Miami-Dade Product Control



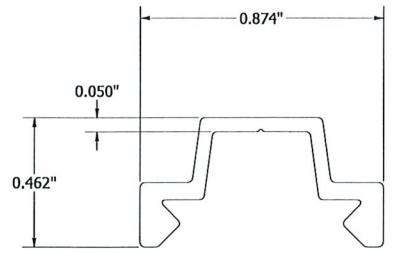
AUTHOR	VDP	05-02-2020	 RUSKIN AUTHORITY IN AIR CONTROL	3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL		
CHECKED	NLT	23-03-2020				
APPROVED	MMM	23-03-2020				
APPROVED			PRODUCT	ALVRAL-MD-3, ALVRAL-MD-4 AND ALVRAL-MD-7		
MATERIAL	EXTRUDED ALUMINUM		TITLE	PARTS		
SIZE	D		DWG NO	60-022541-00D		REV -
ECN			SCALE	INVENTOR SHEET 8 OF 9		



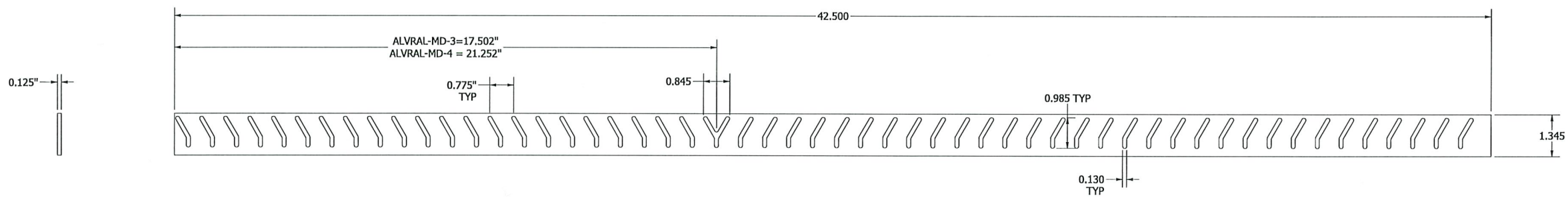
ITEM 11 SPLINE
N.T.S.
RUSKIN PART # RSM70



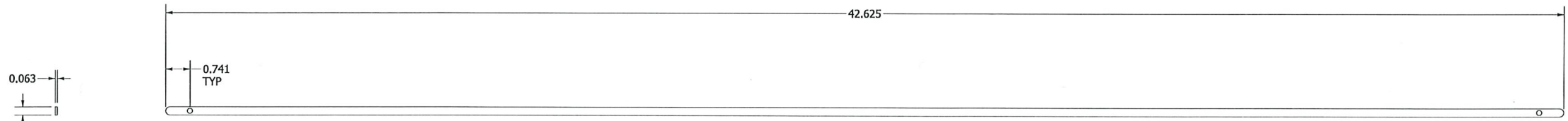
ITEM 8 BLANK OFF
N.T.S.



ITEM 10 BRACE BAR
N.T.S.
RUSKIN PART # RSM304

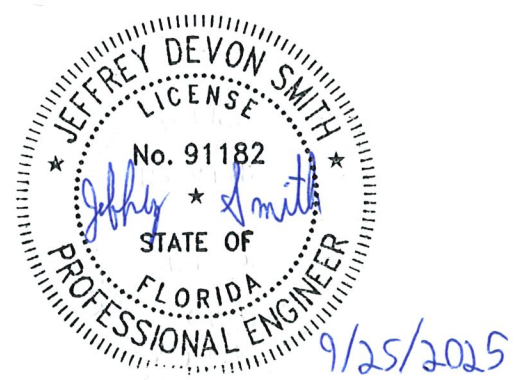


ITEM 12 END SUPPORT
N.T.S.



ITEM 13 RETENTION STRIP
N.T.S.

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **25-1015.01**
Expiration Date **10/15/2030**
By 
Miami-Dade Product Control



AUTHOR	VDP	05-02-2020	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	NLT	23-03-2020	
APPROVED	MMM	23-03-2020	
APPROVED			PRODUCT ALVRAL-MD-3, ALVRAL-MD-4 AND ALVRAL-MD-7
MATERIAL	EXTRUDED ALUMINUM		TITLE PARTS
SIZE	D	DWG NO	60-022541-00D
SCALE		INVENTOR	SHEET 9 OF 9