

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

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

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 EME520MD Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022286-00B**, titled "EME520MD", sheets 1 through 11 of 11, dated 08/02/2012, with revision **G** dated 09/10/2020, prepared by Ruskin Company, signed and sealed by Melissa M. Massar, P.E. on 02/04/2021, 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, Geneva, AL and Juarez, Chihuahua C. P., 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** and **revises NOA # 17-1214.18** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

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

MIAMI-DADE COUNTY
APPROVED

Hum

NOA No. 20-1015.04 Expiration Date: February 23, 2026 Approval Date: April 15, 2021

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

- A. DRAWINGS "Submitted under NOA # 16-0112.02"
 - Drawing No. **60-022286-00B**, titled "EME520MD", sheets 1 through 21 of 21, dated 08/02/2012, with revision E dated 12/22/2015, prepared by Ruskin Company, signed and sealed by Chelsea GQ. Welch, P.E.
- B. TESTS "Submitted under NOA # 12-0816.01"
 - 1. Test report 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 Model EME520MD (Assembly A) Aluminum Louvers, prepared by National Certified Testing Laboratories, Report No. **NCTL 210-3792-2**, dated 05/23/2012, signed and sealed by Gerald J. Ferrara, P.E.

- 2. Test report 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 Model EME520MD (Assembly B) Aluminum Louvers, prepared by National Certified Testing Laboratories, Report No. **NCTL 210-3782-2**, dated 05/23/2012, signed and sealed by Gerald J. Ferrara, P.E.

- 3. Test report 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 Model EME520MD (Assembly C) Aluminum Louvers, prepared by National Certified Testing Laboratories, Report No. **NCTL 210-3784-2**, dated 05/23/2012, signed and sealed by Gerald J. Ferrara, P.E.

- 4. Test report 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 Model EME520MD (Assembly D) Aluminum Louvers, prepared by National Certified Testing Laboratories, Report No. **NCTL 210-3790-2**, dated 05/23/2012, signed and sealed by Gerald J. Ferrara, P.E.

- 5. Test report 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 Model EME520MD (Assembly E) Aluminum Louvers, prepared by National Certified Testing Laboratories, Report No. **NCTL 210-3785-2**, dated 05/23/2012, signed and sealed by Gerald J. Ferrara, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-1015.04
Expiration Date: February 23, 2026

Approval Date: April 15, 2021

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (Continued)

- 6. Test report 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 Model EME520MD (Assembly F) Aluminum Louvers, prepared by National Certified Testing Laboratories, Report No. **NCTL 210-3784-4**, dated 05/23/2012, signed and sealed by Gerald J. Ferrara, P.E.

"Submitted under NOA # 05-0812.07"

- 7. Test report on 1) Large Missile Impact Test per FBC, TAS 201-94,
 - 2) Cyclic Wind Pressure Test per FBC, TAS 203-94
 - 3) Uniform Static Air Pressure Test per FBC, TAS 202-94

along with marked-up drawings and installation diagram of Series EME520MD aluminum louvers mulled together, prepared by Fenestration Testing Laboratory, Inc, Test Report No. **FTL-4525**, dated 04/22/2005, signed and sealed by E. J. Largaespada, P.E.

C. CALCULATIONS "Submitted under NOA # 16-0112.02"

1. Louver wind load review prepared by Ruskin Company, dated 12/22/2015, signed and sealed by Chelsea GO. Welch, P.E.

"Submitted under NOA # 12-0816.01"

2. Louver wind load review prepared by Ruskin Company, dated 07/25/2012, signed and sealed by Daniel J. Rau, P.E.

"Submitted under NOA # 05-0812.07"

3. Calculations prepared by Ruskin Company, dated 08/10/2005, pages 1 though 13, signed and sealed by E. P. Hutson, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS "Submitted under NOA # 16-1107.03"

1. Distributor agreement dated 09/22/2016.

"Submitted under NOA # 16-0112.02"

- 2. Statement letter of code conformance to the 5th edition (2014) FBC issued by Ruskin Company, dated 12/22/2015, signed and sealed by Chelsea GQ. Welch, P.E.
- 3. No financial interest letter issued by Ruskin Company, dated 12/22/2015, signed and sealed by Chelsea GQ. Welch, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 20-1015.04
Expiration Date: February 23, 2026

Approval Date: April 15, 2021

Ruskin Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

Drawing No. **60-022286-00B**, titled "EME520MD", sheets 1 through 11 of 11, dated 08/02/2012, with revision **G** dated 09/10/2020, prepared by Ruskin Company, signed and sealed by Melissa M. Massar, P.E. on 02/04/2021.

B. TESTS

1. None.

C. CALCULATIONS

1. Louver wind load review prepared by Ruskin Company, dated 09/04/2020, signed and sealed by Melissa M. Massar, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 7th edition (2020) of the FBC, prepared by Ruskin Company, dated 09/14/2020, signed and sealed by Melissa M. Massar, P.E.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 20-1015.04

Expiration Date: February 23, 2026 Approval Date: April 15, 2021

PARTS LIST FOR STANDARD CONSTRUCTION									
ITEM #	DESCRIPTION	MATERIAL	ALLOY						
1	HEAD FRAME	0.094" THK. EXTRUDED ALUM.	6063-T6						
2	SILL FRAME	0.080" THK. EXTRUDED ALUM.	6063-T6						
3	JAMB FRAME	0.080" THK. EXTRUDED ALUM.	6063-T6						
4	BLADE	0.060" THK. EXTRUDED ALUM.	6063-T6						
5	BLADE BRACE	0.070" THK. EXTRUDED ALUM.	6063-T6						
6	H.V.B.S STRAP	0.125" THK. EXTRUDED ALUM.	6063-T6						
7	SCR 8-18 X 3.00 HWH AB W/SEAL WASHER	410 SS/ZINC COATED	-						
8	SCR 10-16 X 3.00 HWH AB W/SEAL WASHER	410 SS/ZINC COATED	-						

	MULTI SECTION CON	NECTION PARTS	
ITEM #	DESCRIPTION	MATERIAL	ALLOY
9	MULLION SUPPORT ANGLE	0.125" THK EXTRUDED ALUM	6063-T6

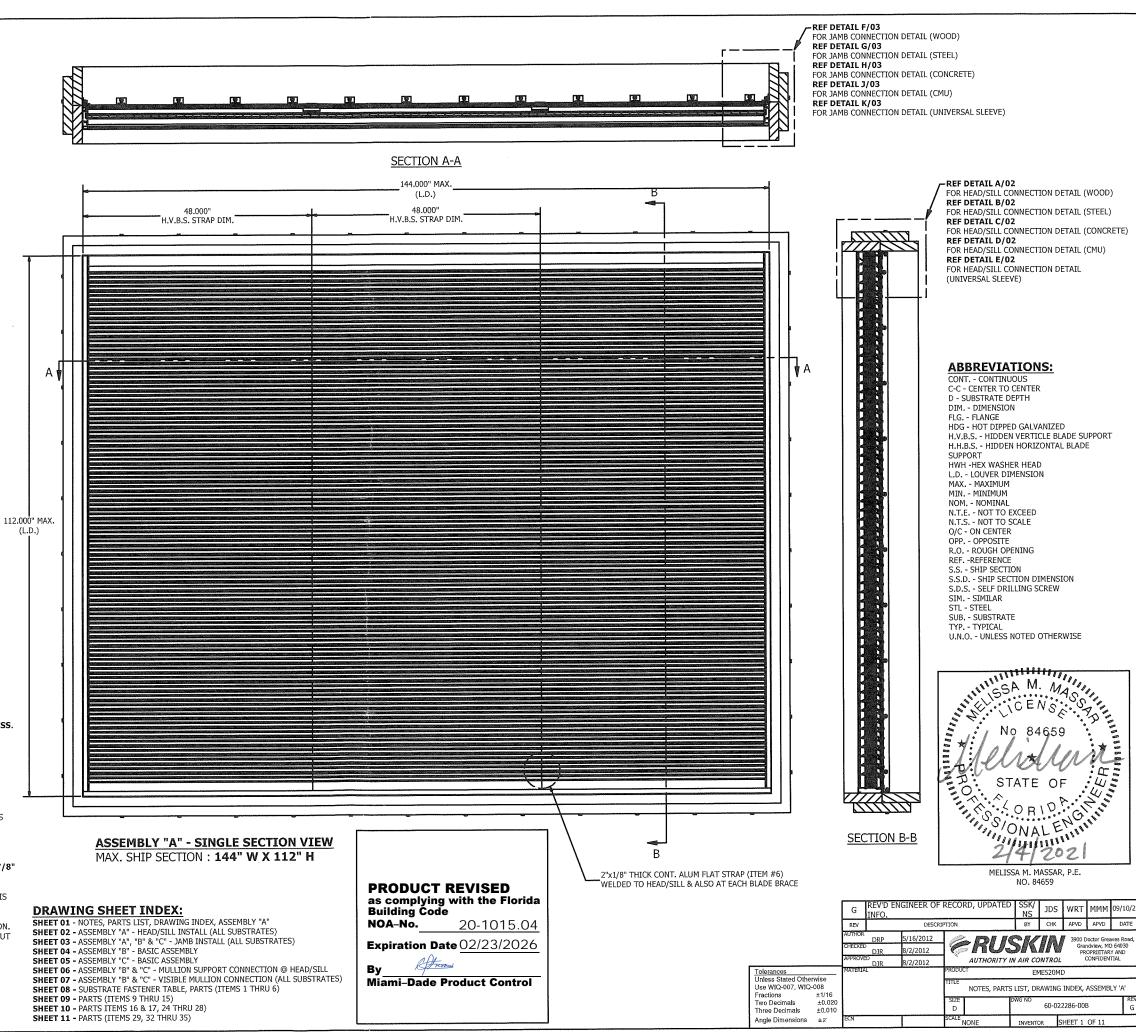
	INSTALLATION PARTS							
ITEM#	DESCRIPTION	MATERIAL	ALLOY					
10	ATTACHMENT CLIP ANGLE, 2" LG.	0.250" THK EXTRUDED ALUM.	6063-T6					
11	CLIP ANGLE - FORMED, 2" LG.	0.250" THK FORMED ALUM.	3003-H14					
12	CLIP ANGLE - FORMED, 4" LG.	0.250" THK FORMED ALUM.	3003-H14					
13	ATTACHMENT CLIP ANGLE, CONT.	0.250" THK EXTRUDED ALUM.	6063-T6					
14	CLIP ANGLE - FORMED, CONT.	0.250" THK FORMED ALUM.	3003-H14					
15	STRUCTURAL ATTACHMENT ANGLE, CONT.	0.500" THK A36 STL						
16	STRUCTURAL ATTACHMENT ANGLE, 28" LG.	0.625" THK A36 STL	-					
17	MULLION SUPPORT ATTACHMENT PLATE	.250" THK A36 STL	-					
18	SCREW #10-16 X 1.500" LG. HWH SDS	410SS/ZINC COATED	-					
19	3/8-16 X 1.500" LG A307 GRADE A HHB W/ WASHER & LOCKNUT	ZINC PLATED	-					
20	3/8-16 X 2.000" LG A307 GRADE A HHB W/ WASHER & LOCKNUT	ZINC PLATED	-					
21	3/8-16 X 2.500" LG A307 GRADE A HHB W/ WASHER & LOCKNUT	ZINC PLATED	-					
22	5/8-11 X 2.000" LG A307 GRADE A HHB W/ WASHER & LOCKNUT	ZINC PLATED	_					
23	SUBSTRATE FASTENER (BY OTHERS)	VARIES (REF TABLE 1/08)	-					

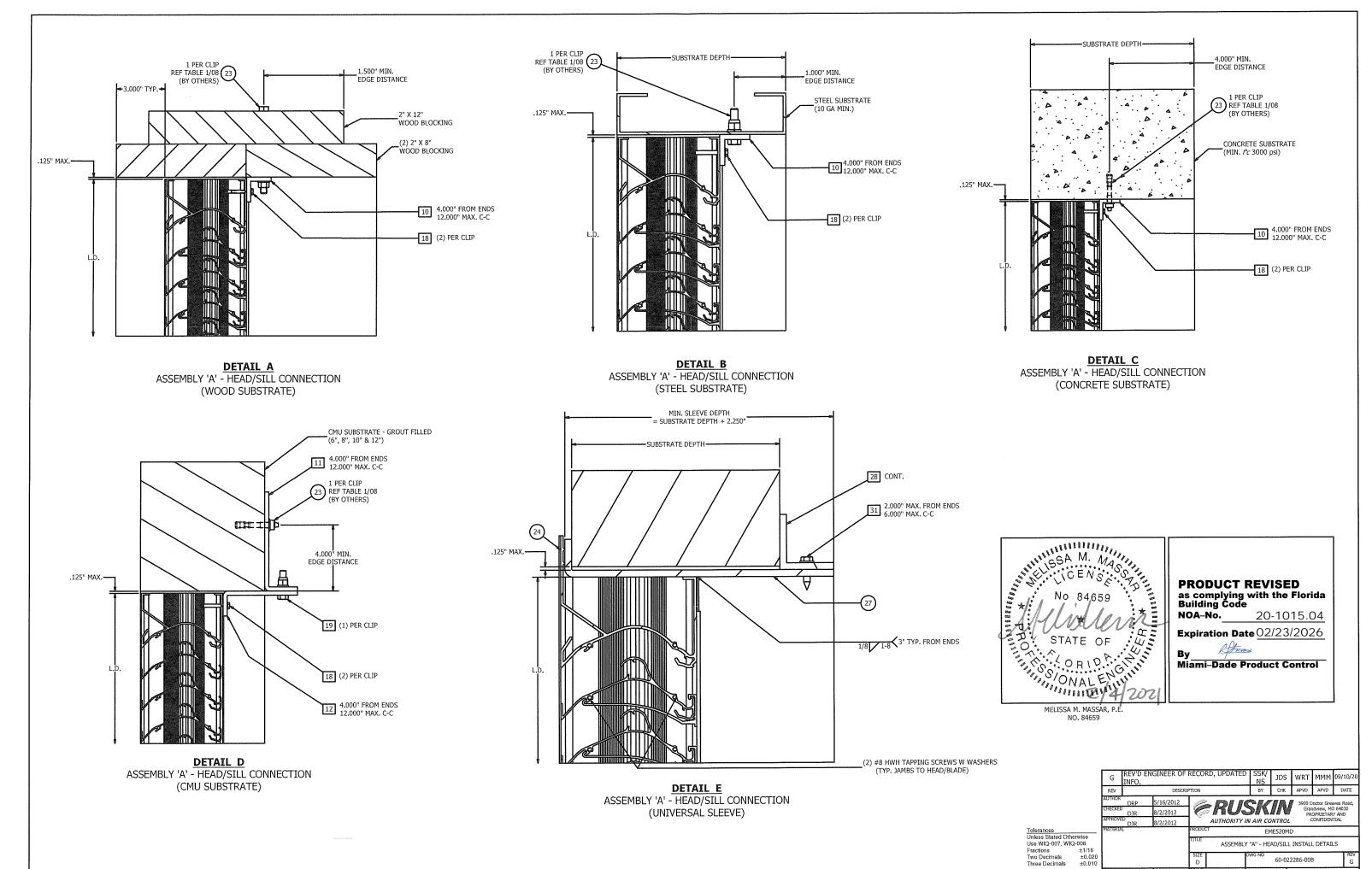
	UNIVERSAL SLEEVE PARTS								
ITEM #	DESCRIPTION	MATERIAL	ALLOY						
24	HEAD FRAME W/INTEGRAL FLANGE	.094" THK EXTRUDED ALUM.	6063-T6						
25	SILL FRAME W/INTEGRAL FLANGE	.080" THK EXTRUDED ALUM.	6063-T6						
26	JAMB FRAME W/INTEGRAL FLANGE	.080" THK EXTRUDED ALUM.	6063-T6						
27	FRONT FLANGE UNIVERSAL SLEEVE	.250" THK FORMED ALUM.	3003-H14						
28	CONT. RETAINING ANGLE	.250" THK EXTRUDED ALUM.	6063-T6						
29	US MULLION ATTACHMENT ANGLE, 6" LG.	.250" THK EXTRUDED ALUM.	6063-T6						
30	1/2-13 X 2.500" LG A307 GRADE 5 HHB W/	ZINC PLATED							
50	WASHER & LOCKNUT		<u> </u>						
31	SCREW 1/4-20 X 1.000" LG. HWH SDS	410SS/ZINC COATED	I -						

M	MULLION SUPPORT OPTIONS BASED ON SECTION HEIGHT									
ITEM#	DESCRIPTION	LOUVER HEIGHT RANGE	MATERIAL	ALLOY						
32	CHAN C3 X 4.1 X 20'	GREATER THAN 12" TO 103"	A36 CARBON STEEL	-						
33	CHAN C4 X 5.4 X 20'	GREATER THAN 103" TO 116"	A36 CARBON STEEL	•						
34	CHAN C5 X 6.7 X 20'	GREATER THAN 116" TO 133"	A36 CARBON STEEL	•						
35	CHAN C6 X 8.2 X 201	GREATER THAN 133" TO 144"	A36 CARBON STEEL							

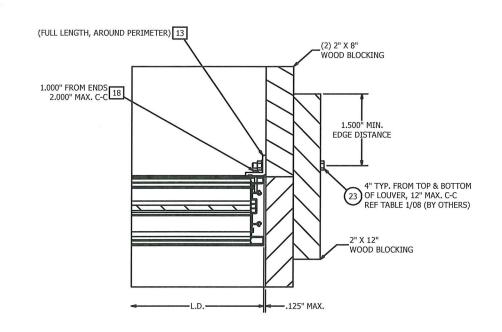
NOTES

- 1. THE EMES20MD HAS BEEN TESTED IN ACCORDANCE WITH FLORIDA 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 PRESSURES OF \pm 120 PSF OR LESS.
- 3. THIS LOUVER SYSTEM IS TO BE INSTALLED IN LOCATIONS WHERE THE ROOM BEHIND THE LOUVER IS DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM WILL HOUSE WATER RESISTANT / WATER PROOF EQUIPMENT, COMPONENTS OR SUPPLIES.
- 4. THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
- 5. IT SHALL BE THE RESPONSIBILITY OF PERMIT HOLDER/BUILDING DESIGN ENGINEER OF RECORD TO VERIFY THE STRUCTURAL INTEGRITY OF THE STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THIS LOUVER SYSTEM.
- 6. MAXIMUM SINGLE SECTION SIZE: 87 15/16" WIDE X 144" HIGH OR 144" WIDE X 112" HIGH.
- 7. MAXIMUM ASSEMBLED LOUVER SIZE : UNLIMITED WIDE X 144" HIGH W/SECTION MULLIONS AT 87 7/8" (TRAPEZOIDS ALLOWED)
- 8. SECTIONS OR ASSSEMBLIES MAY BE STACKED VERTICALLY PROVIDED SUITABLE STRUCTURAL SUPPORT IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER.
- ALL CMU BLOCKS MUST BE GROUT FILLED. MIN. PRISM STRENGTH OF 1500 PSI AT TIME OF INSTALLATION. CMU BLOCKS MUST BE MIN. TYPE 1, GRADE N, LIGHT MEDIUM OR NORMAL WEIGHT PER ASTM C90. GROUT AND MORTAR MUST COMPLY WITH FLORIDA BUILDING CODE.
- 10. PART NUMBERS WITH SQUARE BALLOONS ARE "SHIPPED LOOSE PARTS".
- 11. ALL FASTENERS SHALL BE CORROSION RESISTANT.

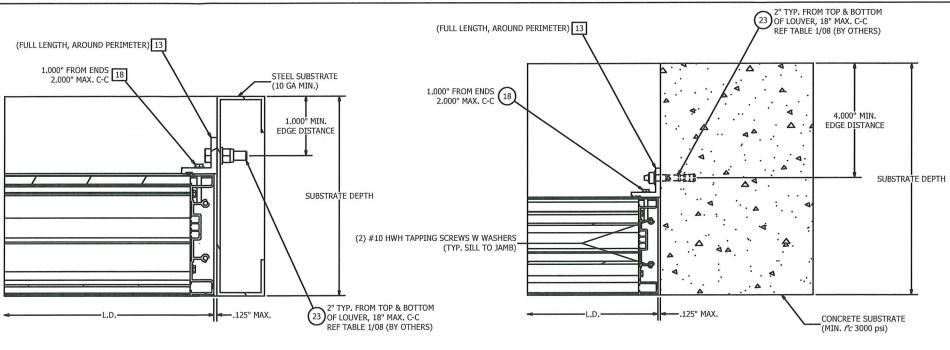




Angle Dimensions ±2"



DETAIL F ASSEMBLY 'A', 'B' & 'C' - JAMB CONNECTION (WOOD SUBSTRATE)



DETAIL G ASSEMBLY 'A', 'B' & 'C' - JAMB CONNECTION (STEEL SUBSTRATE)

DETAIL H ASSEMBLY 'A', 'B' & 'C' - JAMB CONNECTION (CONCRETE SUBSTRATE)

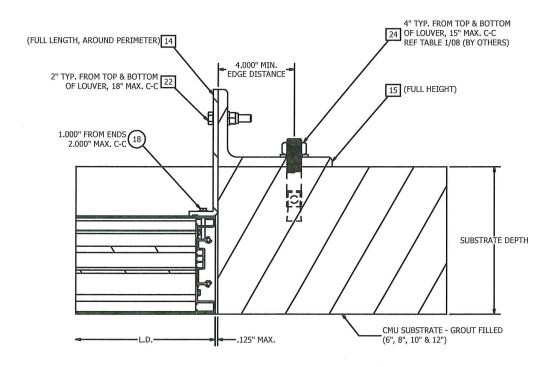
Use WIQ-007, WIQ-008 Fractions ±1/16 Two Decimals

Angle Dimensions ±2"

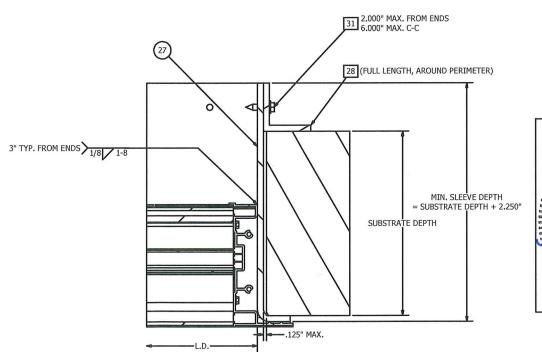
Three Decimals

±0,020

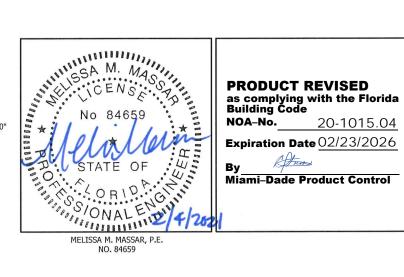
±0.010



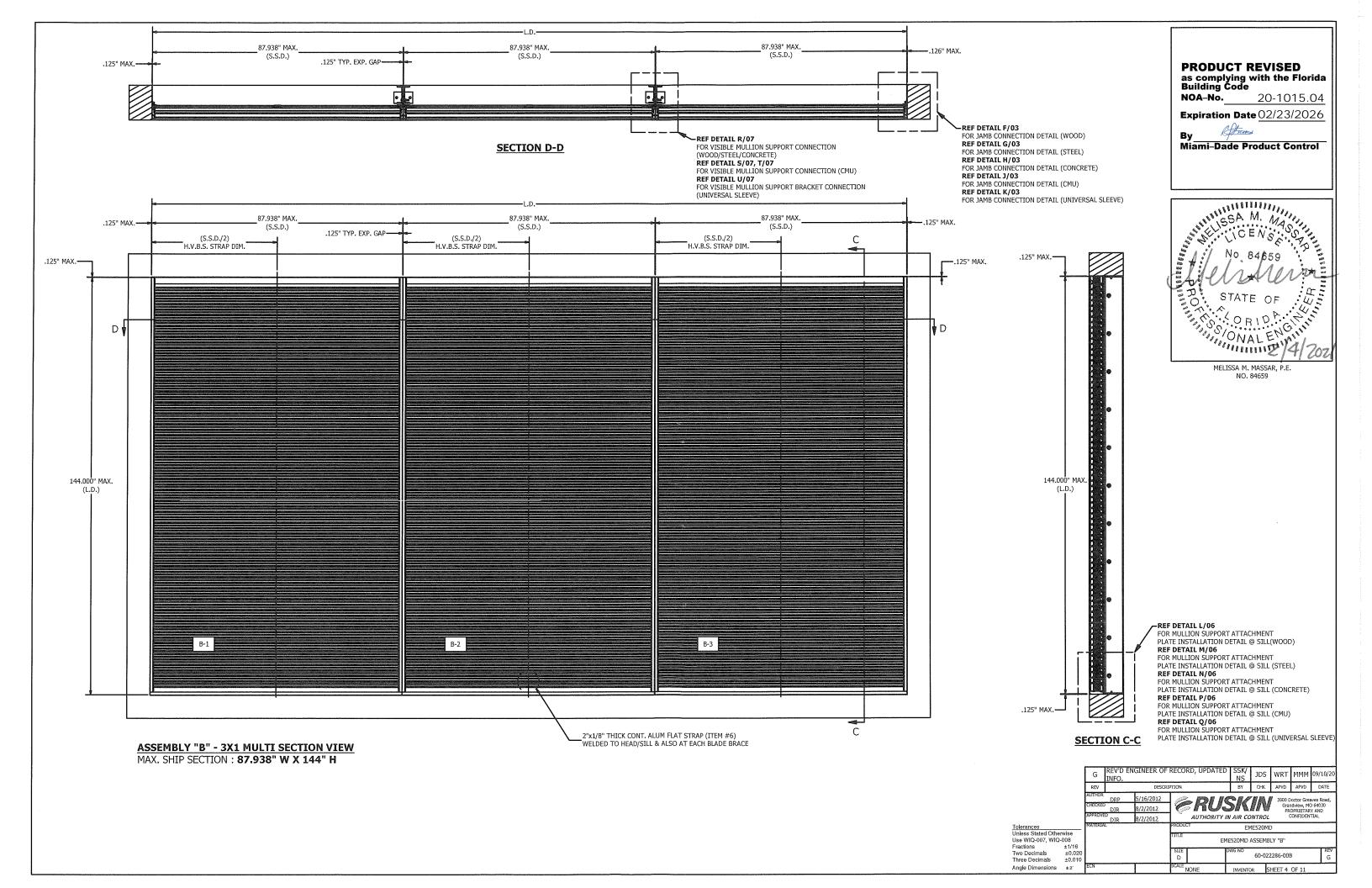
DETAIL J ASSEMBLY 'A', 'B' & 'C' - JAMB CONNECTION (CMU SUBSTRATE)

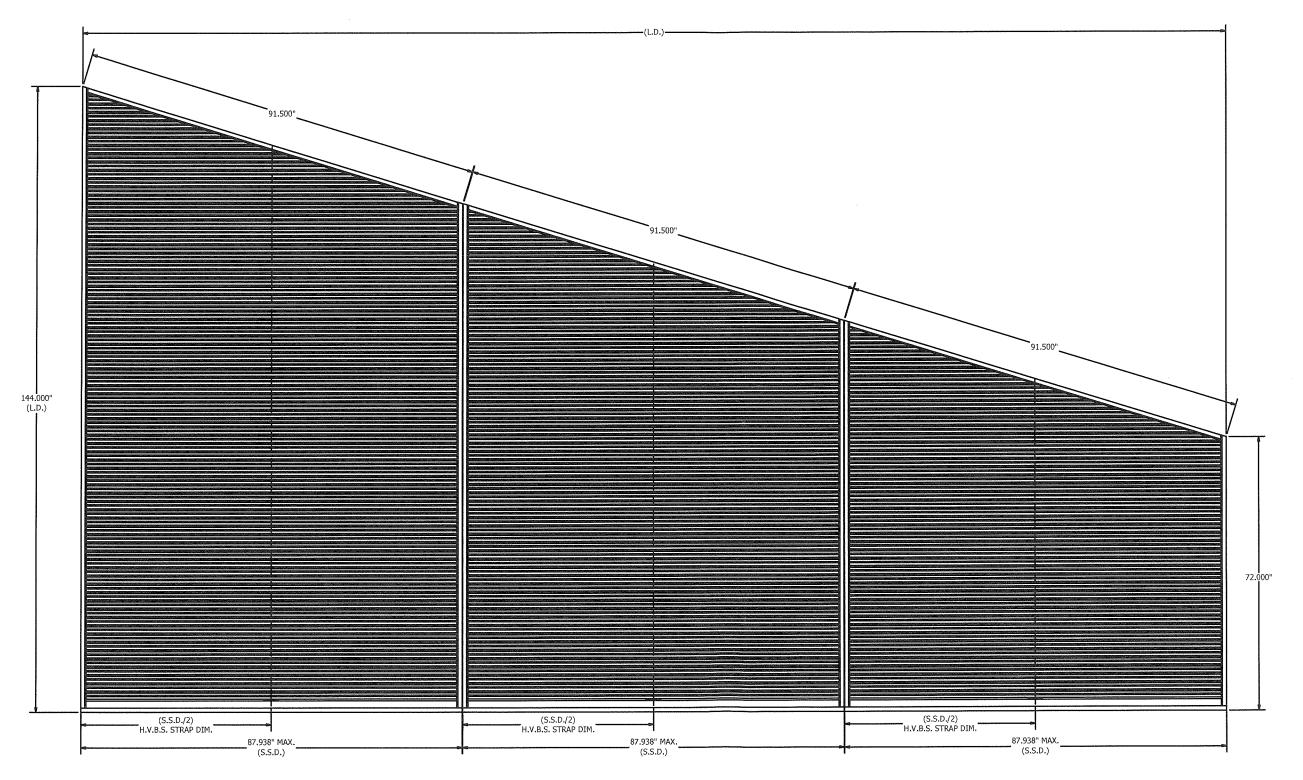


DETAIL K ASSEMBLY 'A', 'B' & 'C' - JAMB CONNECTION (UNIVERSAL SLEEVE)



G	REV'D ENGINEER OF RECORD, UPDATED INFO.					JDS	WRT	MMM	09/10/20
REV	DESCRIPTION					CHK	APVD	APVD	DATE
UTHOR	DRP	5/16/2012	100				7 3900 E		aves Road,
HECKED	DJR	8/2/2012		RUS			Gran PR	odview, MO	
PPROVE	DJR	8/2/2012	7	AUTHORITY II	AIR CO	NTROL	(CONFIDEN	TIAL
IATERIA	L		PRODUC	T	EN	1E520MI)		
			TITLE	ASSEMBLY "A	", "B" & '	'C" - JAN	4B INST	ALL DET	AILS
			SIZE D	C	WG NO	60-022	2286-00	3	REV G
CN		T	SCALE	ONE	INVENTO	OR S	HEET 3	OF 11	





PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 20-1015.04

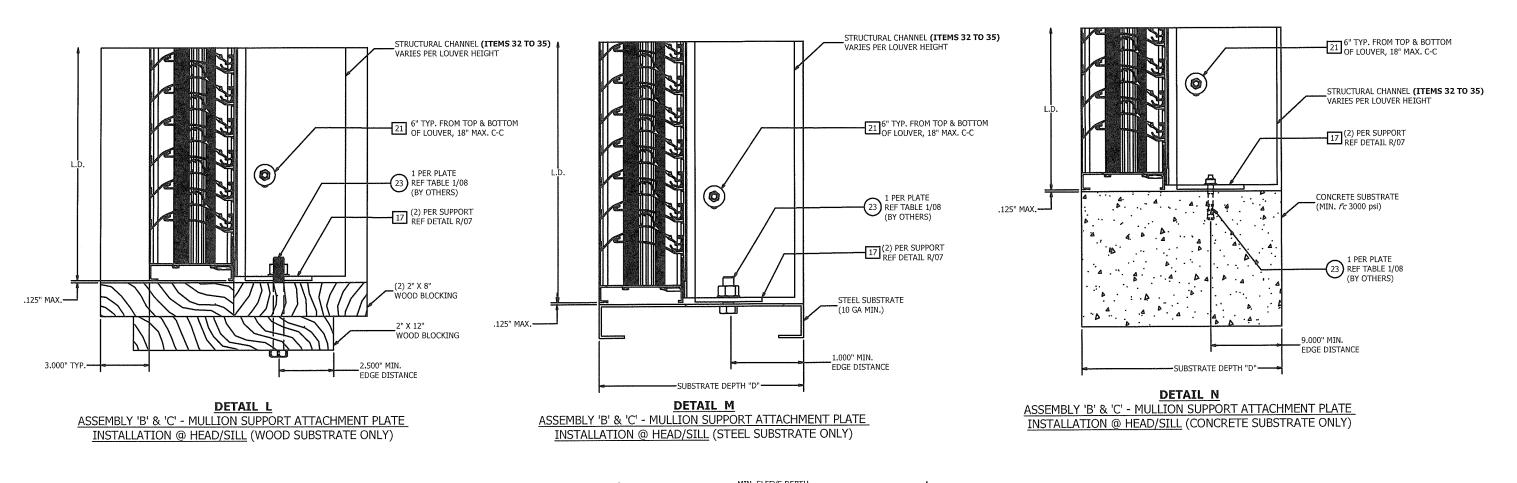
Expiration Date $\underline{02/23/2026}$

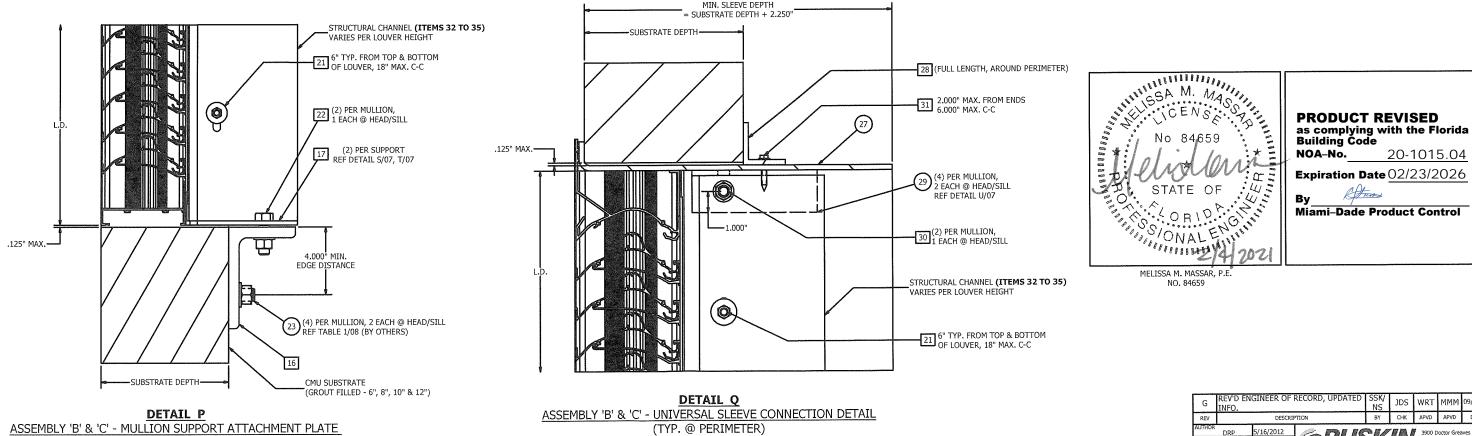
Miami-Dade Product Control

MASSAR, P.E.

ASSEMBLY "C" - 3X1 MULTI SECTION VIEW MAX. SHIP SECTION : 87.938" W X 144" H

		G	REV'D I	ENGINEER OF	RECO	RD, UPDATED	SSK/ NS	JDS	WRT	MMM	ľ
		REV		DESCR	IPTION		BY	CHK	APVD	APVD	I
		AUTHOR	DRP	5/16/2012		S 101 10			3900 D	octor Grea	
		CHECKE	DJR	8/2/2012] 🦿	RUS	die			idview, MC OPRIETAR	Y
		APPROVE	DJR	8/2/2012		AUTHORITY II	V AIR CO	NTROL	(ONFIDEN	Τ.
Tolerances		MATERIA	AL.		PRODU	er e	E	1E520MI)		
Unless Stated Othe Use WIQ-007, WIQ- Fractions					TITLE	EM	1E520MD	ASSEME	BLY "C"		_
Two Decimals Three Decimals	±0.020 ±0.010				SIZE D	į.	WG NO	60-022	286-006	3	_
Angle Dimensions	±2"	ECN			SCALE	NONE	INVENTO	or S	HEET 5	OF 11	_





(TYP. @ PERIMETER)

INSTALLATION @ HEAD/SILL CMU SUBSTRATE ONLY)

RUSKIN

AUTHORITY IN AIR CONTROL

3900 Doctor Greaves Roa
Grandview, MO 64030
PROPRIETARY AND
CONFIDENTIAL

EME520MD ASSEMBLY "B" & "C" - MULLION SUPPOR

CONNECTION @ HEAD/SILL DETAILS 60-022286-00B

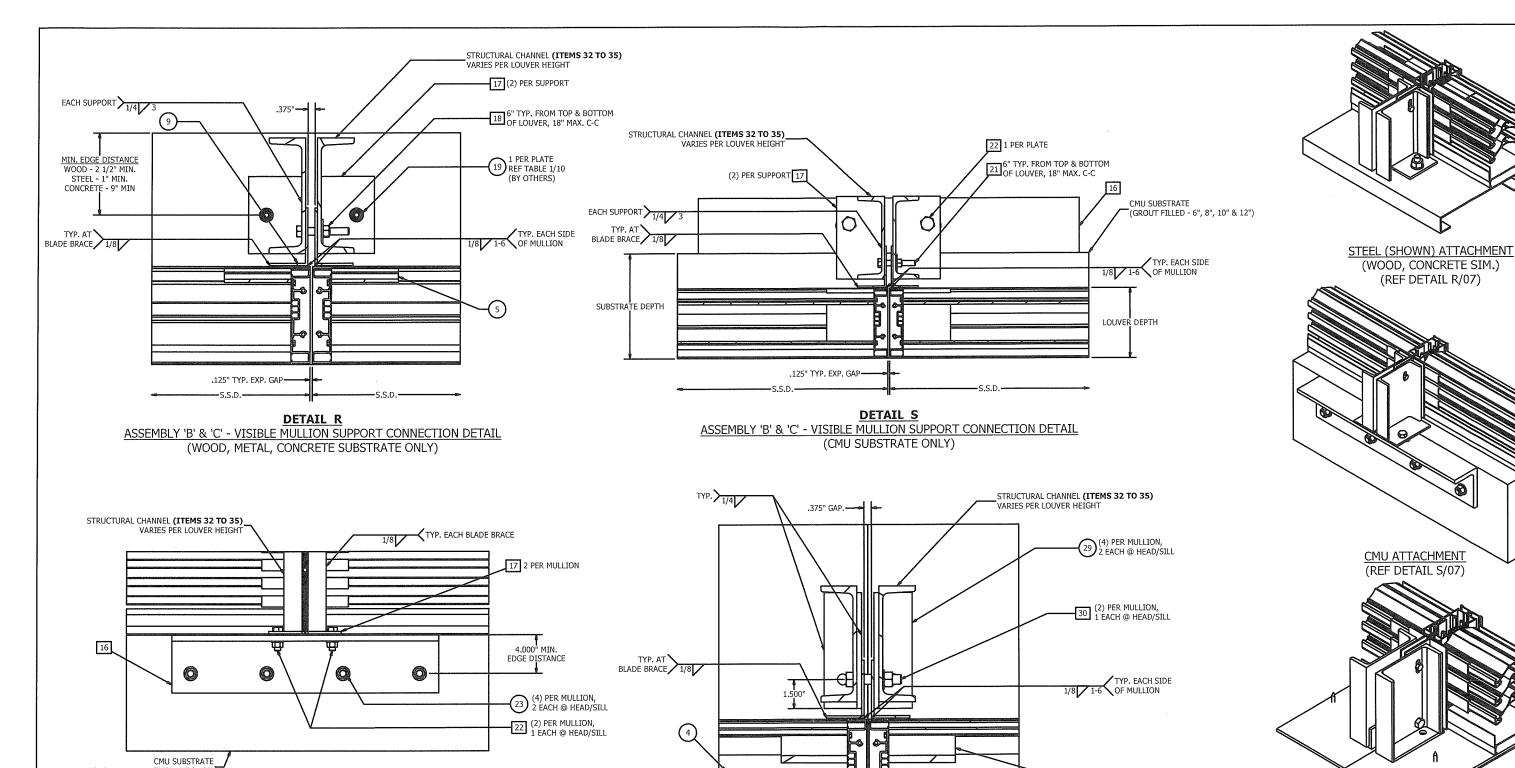
INVENTOR SHEET 6 OF 11

AUTHORITY IN AIR CONTROL

Use WIQ-007, WIQ-008
Fractions ±1/1
Two Decimals ±0.0

±0.01

Three Decimals



(GROUT FILLED - 6", 8", 10" & 12")

CENSE

NORIO POR INTERNATION IN THE PROPERTY OF THE P

MELISSA M. MASSAR, P.E.

NO. 84659

STATE OF

DETAIL T ASSEMBLY 'B' & 'C' - VISIBLE MULLION SUPPORT CONNECTION DETAIL (CMU SUBSTRATE ONLY)

> **PRODUCT REVISED** as complying with the Florida Building Code

Expiration Date 02/23/2026

Miami-Dade Product Control

20-1015.04

NOA-No.

DETAIL U ASSEMBLY 'B' & 'C' - VISIBLE MULLION SUPPORT BRACKET ATTACHMENT DETAIL (UNIVERSAL SLEEVE ONLY)

-S.S.D.-

.125" EXPANSION GAP

--- S.S.D. --

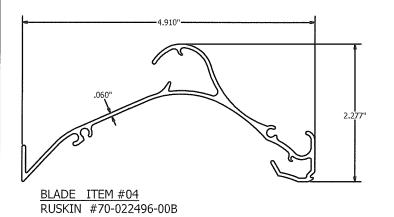
UNIVERSAL SLEEVE ATTACHMENT (REF DETAIL U/07)

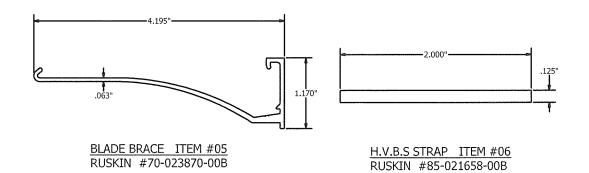
(REF DETAIL R/07)

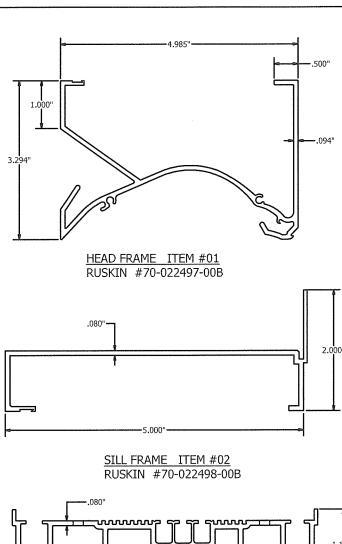
3900 Doctor Greaves Road Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL AUTHORITY IN AIR CONTROL EME520MD ASSEMBLY "B" & "C" - VISIBLE MULLION SUPPORT
CONNECTION DETAILS 60-022286-008 INVENTOR SHEET 7 OF 1

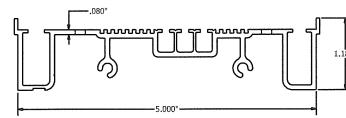
Tolerances Unless Stated Otherwise Use WIQ-007, WIQ-008 Fractions Two Decimals Three Decimals Angle Dimensions ±2'

		<u> </u>	ALL FASTENER TABLE (N.I.C.)		MIN. EDGE
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	LOCATION	FASTENER TYPE	MIN. EMBEDMENT	DISTANC
		HEAD/SILL	3/8-16 GRADE 2 HEX HEAD BOLT W LOCKNUT AND WASHER (UNDER BOLT HEAD & LOCKNUT)	NA	1 1/2"
WOOD	SPECIFIC GRAVITY = 0.4	JAMBS	3/8-16 GRADE 2 HEX HEAD BOLT W LOCKNUT AND WASHER (UNDER BOLT HEAD & LOCKNUT)	NA	1 1/2"
		MULLION SUPPORT (END PLATE)	5/8-11 A307 HEX HEAD BOLT W NUT AND WASHER	NA	2 1/2"
STEEL STEEL - MIN. 10 GA		HEAD/SILL	3/8-16 GRADE 2 HEX HEAD BOLT W LOCKNUT AND WASHER	NA	1"
	STEEL - MIN. 10 GA	JAMBS	3/8-16 GRADE 2 HEX HEAD BOLT W LOCKNUT AND WASHER	NA	1"
		MULLION SUPPORT (END PLATE)	5/8-11 A307 HEX HEAD BOLT W NUT AND WASHER	NA	1"
		HEAD/SILL	3/8" Ø HILTI KWIK BOLT TZ EXPANSION ANCHORS	2"	4"
CONCRETE	3000 PSI MIN. COMP. STRENGTH	JAMBS	3/8" Ø HILTI KWIK BOLT TZ EXPANSION ANCHORS	2"	4"
		MULLION SUPPORT (END PLATE)	5/8" Ø HILTI KWIK BOLT TZ EXPANSION ANCHORS	4"	9"
		HEAD/SILL	1/4" Ø HILTI KWIK BOLT III EXPANSION ANCHOR (1 PER CELL, 1 3/8" MIN. FROM VERTICAL MORTAR JOINT)	2"	4"
GROUT FILLED CMU (6", 8", 10" & 12")	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	JAMBS	5/8" Ø HILTI KWIK BOLT III EXPANSION ANCHORS (1 PER CELL)	4"	4"
(0,8,10 & 12")		MULLION SUPPORT (END PLATE)	3/4" Ø HILTI HIT-HY 270 ANCHOR (1 PER CELL, 1" MIN. FROM VERTICAL MORTAR JOINT)	4 1/4"	4"



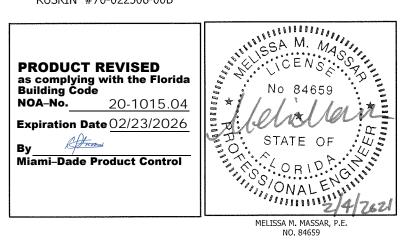






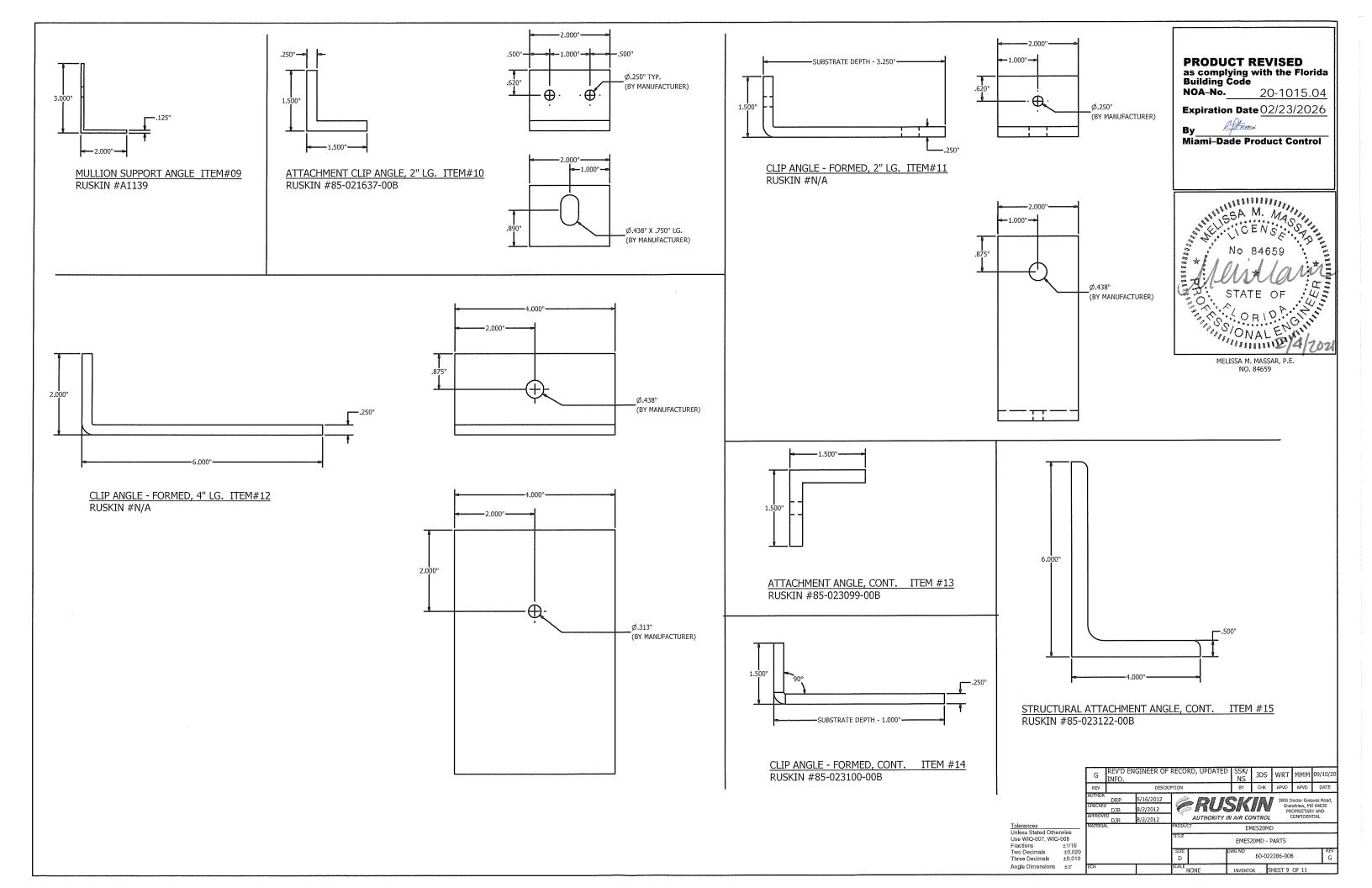
JAMB FRAME ITEM #03 RUSKIN #70-022508-00B

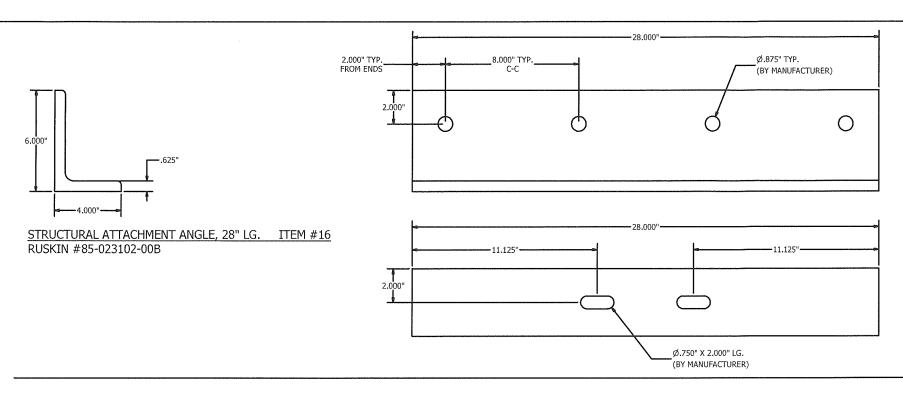
Angle Dimensions ±2"

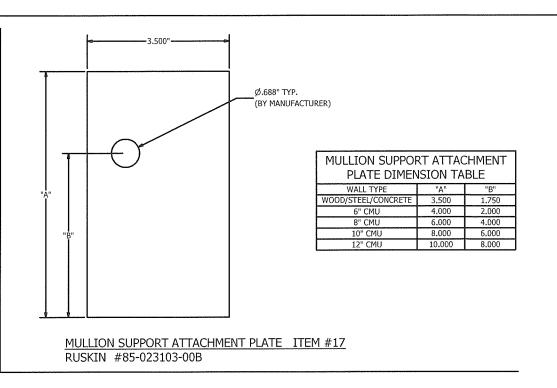


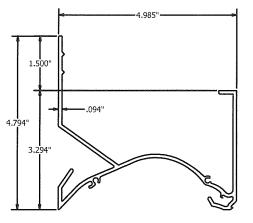
		1 (4	REV'D I	ENGINEER OF	RECOR	D, UPDATED	SSK/ NS	JDS	WRT	MMM	09/10/20
		REV		DESCR	IPTION		BY	CHK	APVD	APVD	DATE
		AUTHOR	DRP	5/16/2012					3900 E		ives Road,
		CHECKED	DJR	8/2/2012		RUS	di N		Gran PR	odview, MC OPRIETAR	
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Tolerances Unless Stated Oth		MATERIA	L.		PRODUCT		E١٠	1E520MD)		
Use WIQ-007, WI					TITLE	SUBSTR		LL FAST		ABLE	
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CALE NONE INVENTOR SHEET 8 OF 11

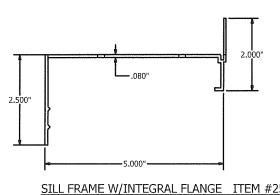




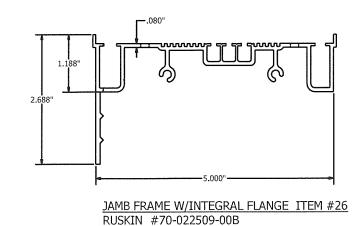


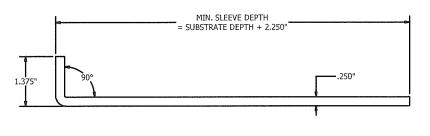




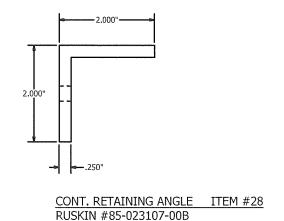


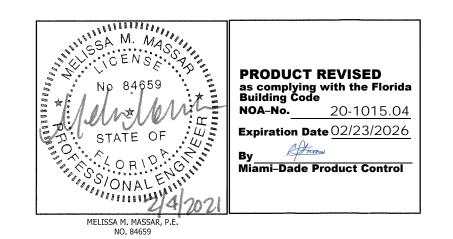
SILL FRAME W/INTEGRAL FLANGE ITEM #25 RUSKIN #70-020969-00B





FRONT FLANGE UNIVERSAL SLEEVE ITEM #27





			REV'D E INFO.	ENGINEER OF	RECO	RD, UPDATED	SSK/ NS	JDS	WRT	MMM	09/10/20
		REV		DESCR	IPTION		BY	CHK	APVD	APVD	DATE
		AUTHOR	DRP	5/16/2012					₹ 3900 €	octor Grea	aves Road,
		CHECKE	DJR	8/2/2012] 🥟	RUS		liv	Gran PR	ndview, MO OPRIETAR	
		APPROVE	DJR	8/2/2012	,,	AUTHORITY II	AIR CO	NTROL	(CONFIDEN	TIAL
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ngle Dimensions	±5.	ECN			SCALE	IONE	INVENTO	R S	HEET 10	OF 11	

