

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

N.I. Illinois, LLC dba SAFE-AIR DOWCO 1855 South 54th Ave. Cicero, IL 60804

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 1606DHPM Aluminum Louver w/ and w/o Damper – L.M.I.

APPROVAL DOCUMENT: Drawing No. **1606DHPM**, titled "1606DHPM Louver w/ and w/o Damper", sheets 1 through 21 of 21, prepared by Rice Engineering, dated 09/11/18, signed and sealed by Wayne K. Helmila, 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, state, model/ series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

LIMITATION: This system is to be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room will house water resistant/waterproof equipment, components, or supplies.

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 No. 21-0825.04 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.



NOA No. 23-0928.03 Expiration Date: August 30, 2028 Approval Date: November 9, 2023 Page 1



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

- 1. Manufacturer's die drawings and sections. *(Submitted under NOA No. 18-0117.12)*
- Drawing No. 1606DHPM, titled "1606DHPM Louver w/ and w/o Damper", sheets 1 through 21 of 21, dated 09/11/18, prepared by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E. (Submitted under NOA No. 18-1217.02)

B. TESTS

 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 installation diagram of Model 1606 DHPM Louver System, prepared by Intertek, Test Report No. **H1900.01-801-18-R2**, dated 09/21/17 and revised on 05/23/18, signed and sealed by Tyler Westerling, P.E. (Submitted under NOA No. 18-1217.02)

- Test Report on Wind Driven Rain Resistance per TAS 100(A)-95 on a Model 1606 DHPM Aluminum Louver with damper, prepared by Intertek, Test Report No. H0222.04-801-18, dated 09/27/17, signed and sealed by Tyler Westerling, P.E. (Submitted under NOA No. 18-1217.02)
- Test Report on High Velocity Wind Driven Rain Resistance per ANSI/AMCA 550-09 on a Model 1606 DHPM Aluminum Louver, prepared by Intertek, Test Report No. H0222.03-801-18, dated 09/28/17, signed and sealed by Tyler Westerling, P.E. (Submitted under NOA No. 18-1217.02)

C. CALCULATIONS

 Louver structural calculations dated 11/03/17, prepared by Rice Engineering, signed and sealed by Wayne K. Helmila, P.E. (Submitted under NOA No. 18-1217.02)

D. QUALITY ASSURANCE

- 1. Miami-Dade Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS
 - 1. None.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0928.03 Expiration Date: August 30, 2028 Approval Date: November 9, 2023

N.I. Illinois, LLC dba SAFE-AIR DOWCO

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS

- Statement letter of code conformance to the FBC 6th Edition (2017) issued by Rice Engineering, dated 04/16/18, signed and sealed by Wayne K. Helmila, P.E. (Submitted under NOA No. 18-1217.02)
- Statement letter of no financial interest issued by Rice Engineering, dated 04/16/18, signed and sealed by Wayne K. Helmila, P.E. (Submitted under NOA No. 18-1217.02)
- **3.** Private Labeling Agreement document in conformance to Product Control guidelines dated December 3, 2018, signed by Steve Nailor and David Soden. *(Submitted under NOA No. 18-1217.02)*

2. EVIDENCE SUBMITTED UNDER NOA # 21-0825.04

A. DRAWINGS

1. None.

B. TESTS

1. None.

- C. CALCULATIONS
 - 1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

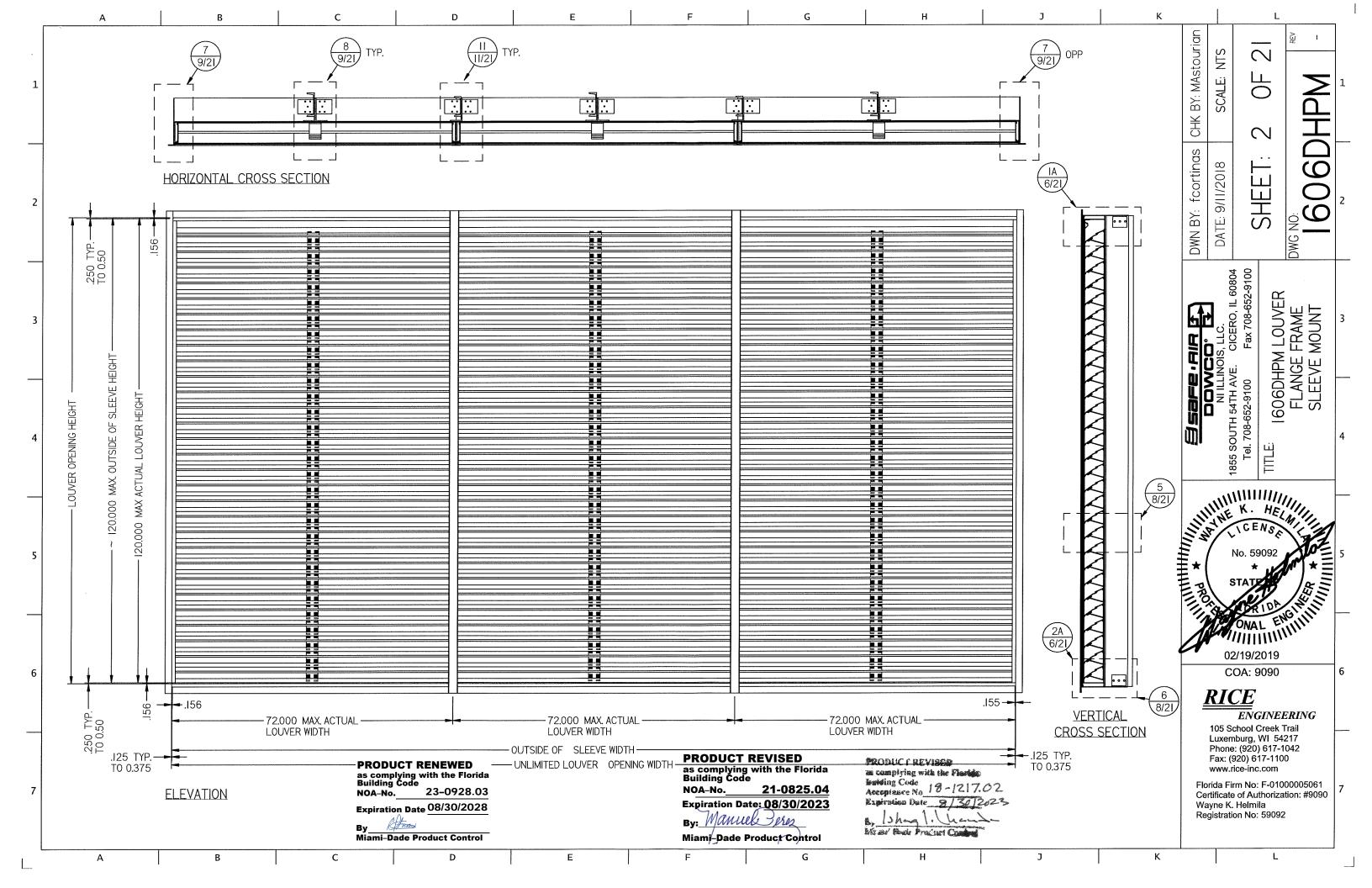
1. None.

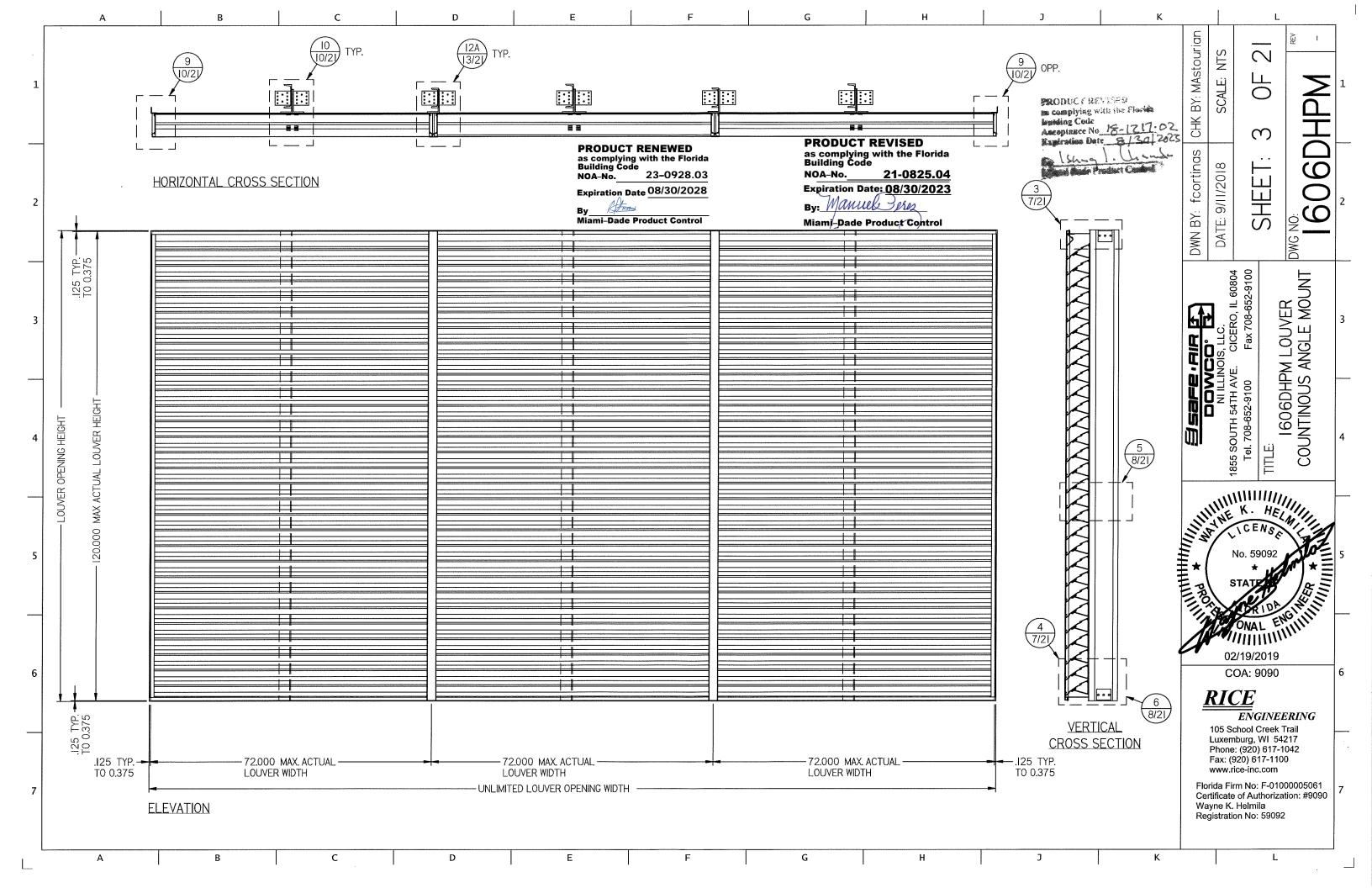
F. STATEMENTS

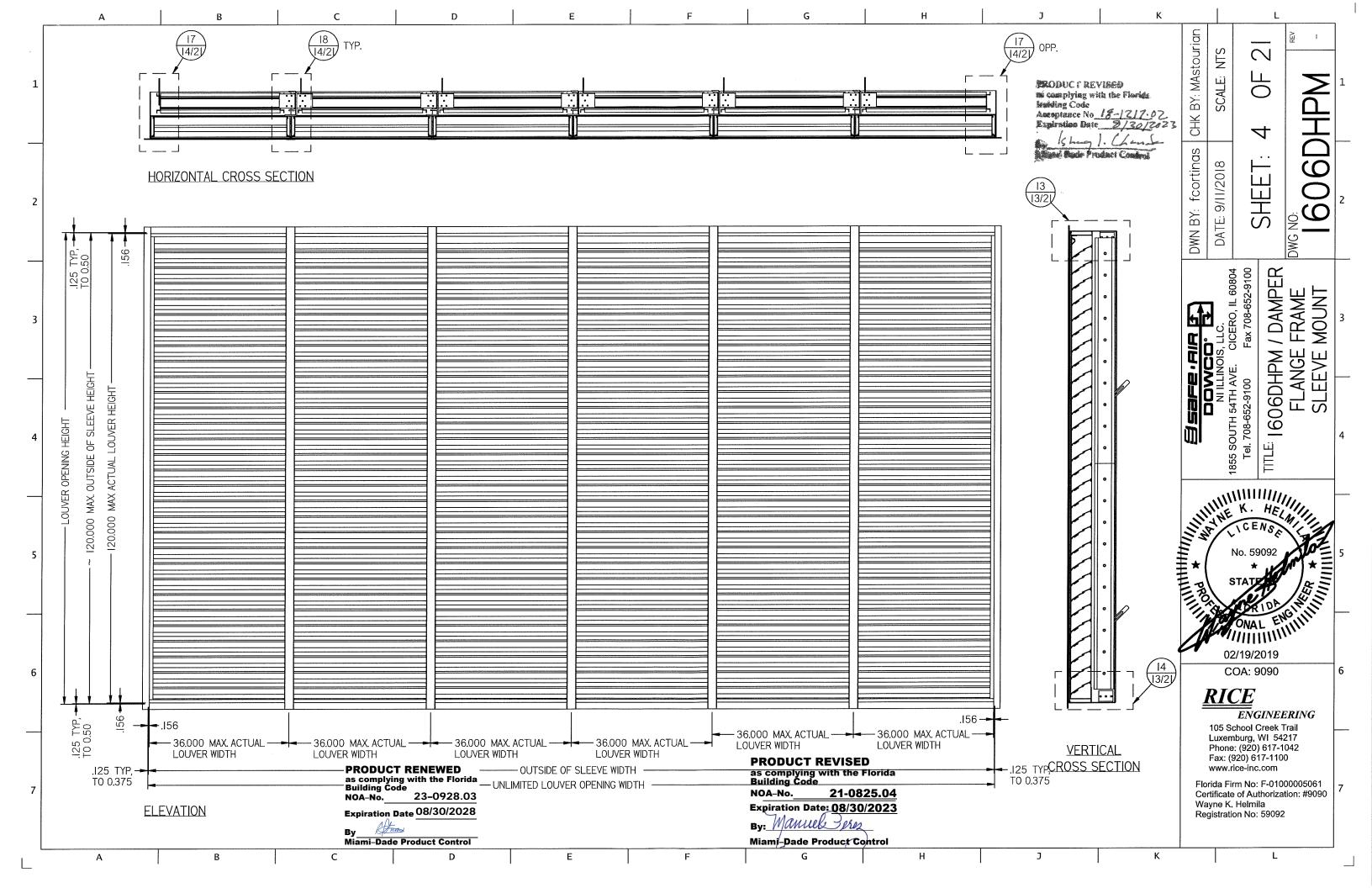
1. Statement letter of conformance, complying with the **FBC** 7th **Edition (2020)**, issued by Rice Engineering, dated 08/16/21, signed and sealed by Wayne K. Helmila, P.E.

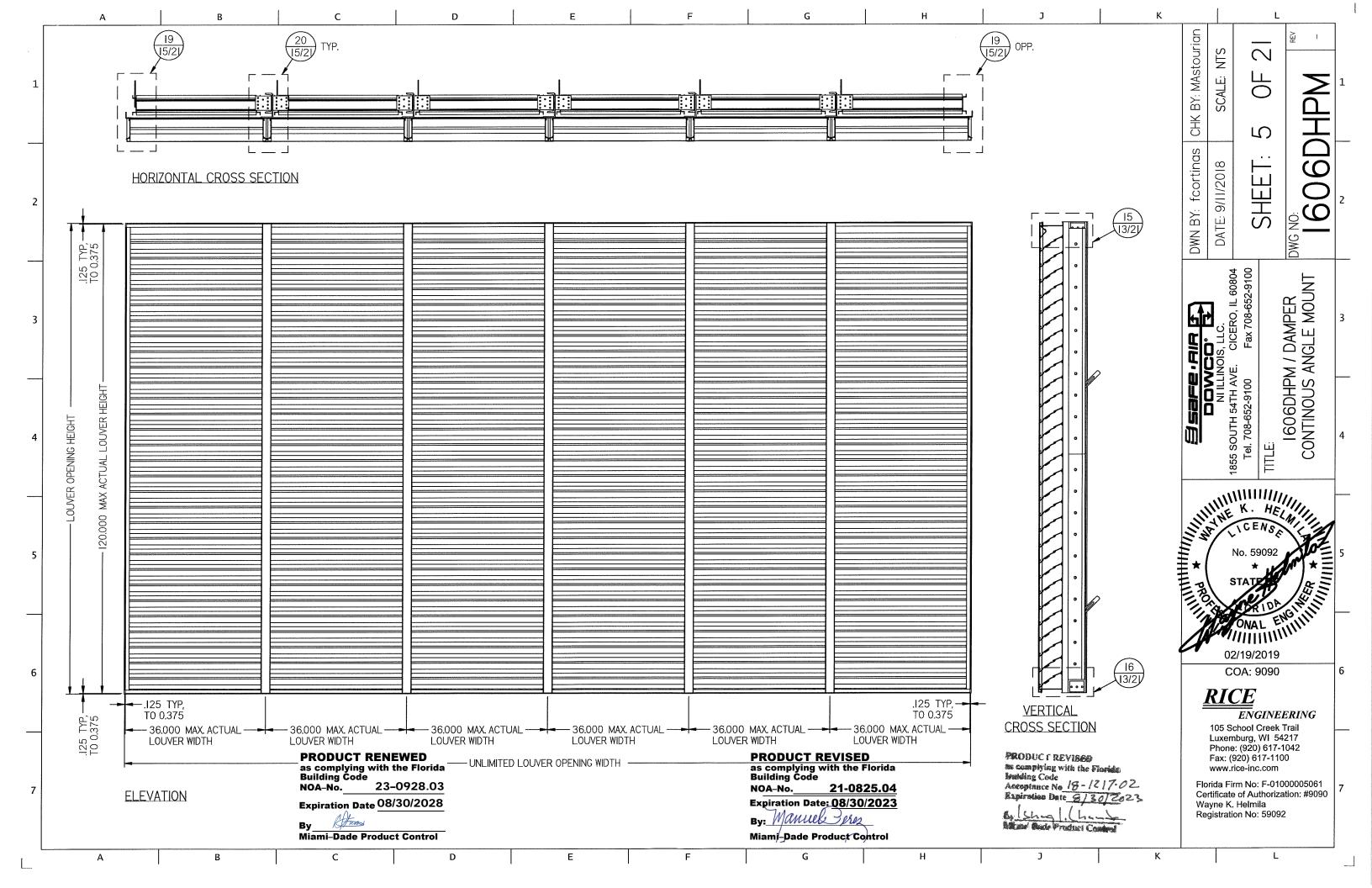
Carlos M. Utrera, P.E. Product Control Examiner NOA No. 23-0928.03 Expiration Date: August 30, 2028 Approval Date: November 9, 2023

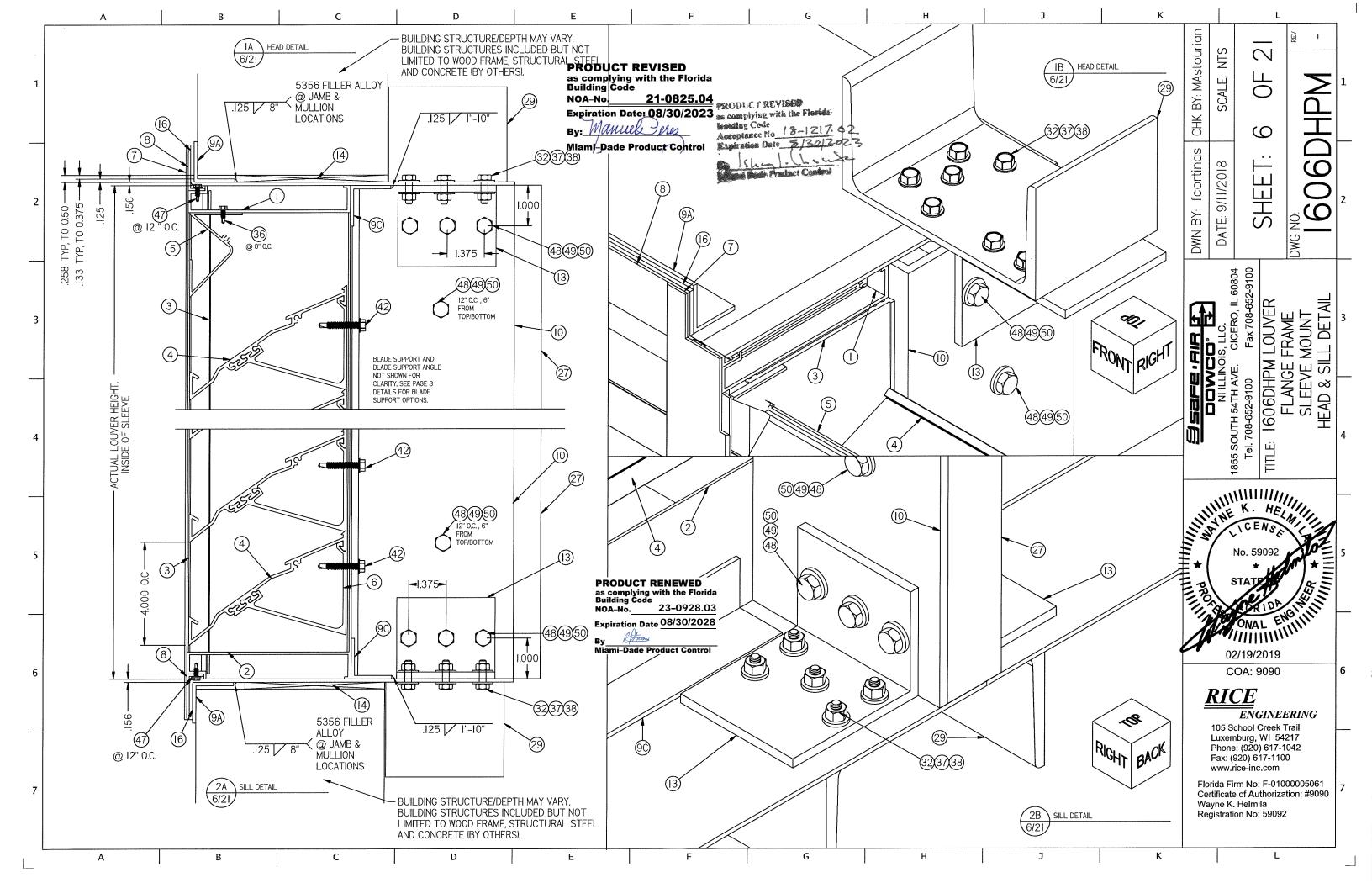
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5. 1606DHPM / DAMPER 6. 1606DHPM LOUVER-	- FLANGE FRAME SLE			JVER SYSTEM IS N ND BUILDING DEAI	ION-BEARING AND IS N > LOADS.	NOT DESIGNED TO					fcortinas 11/2018	
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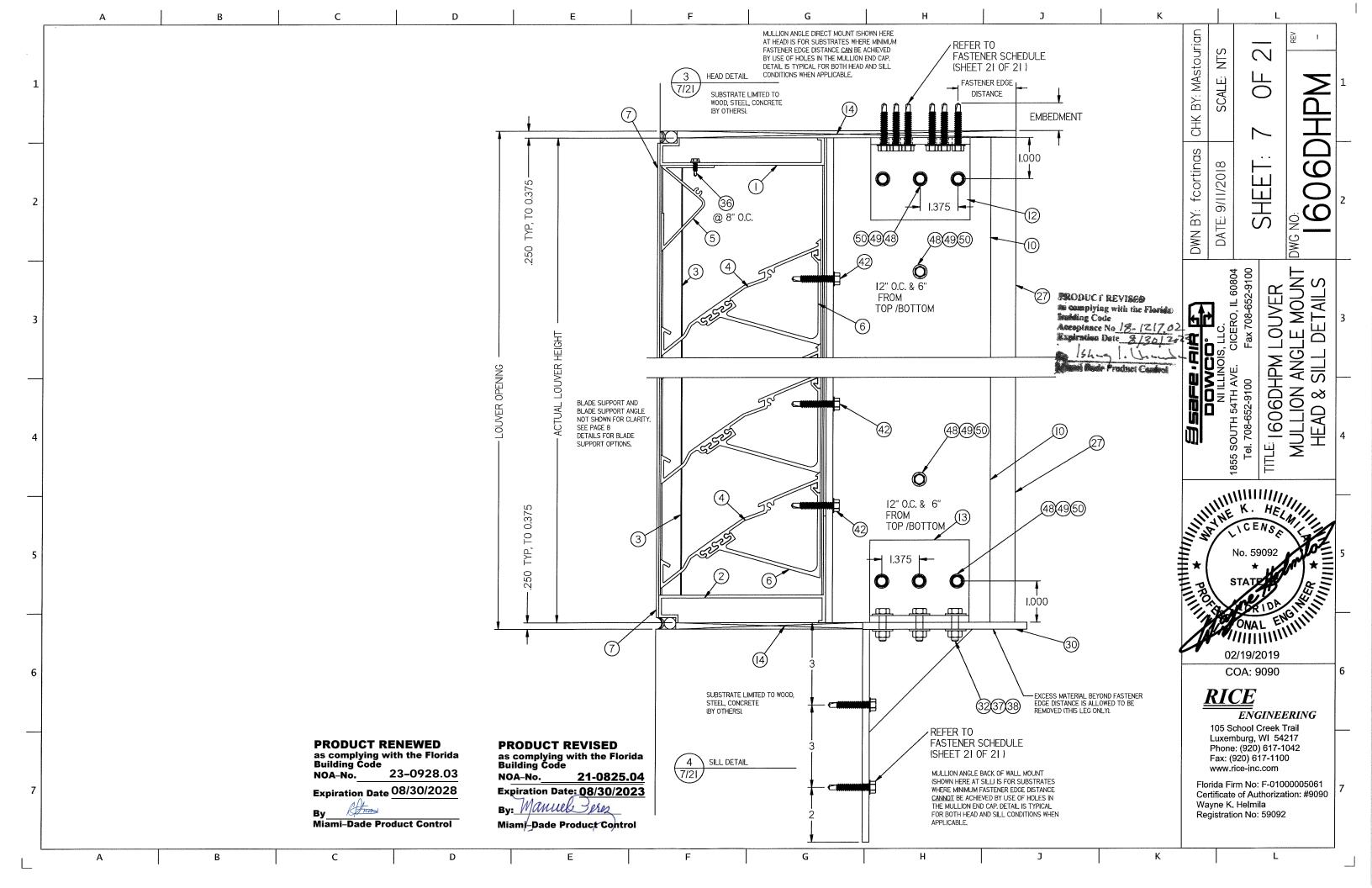


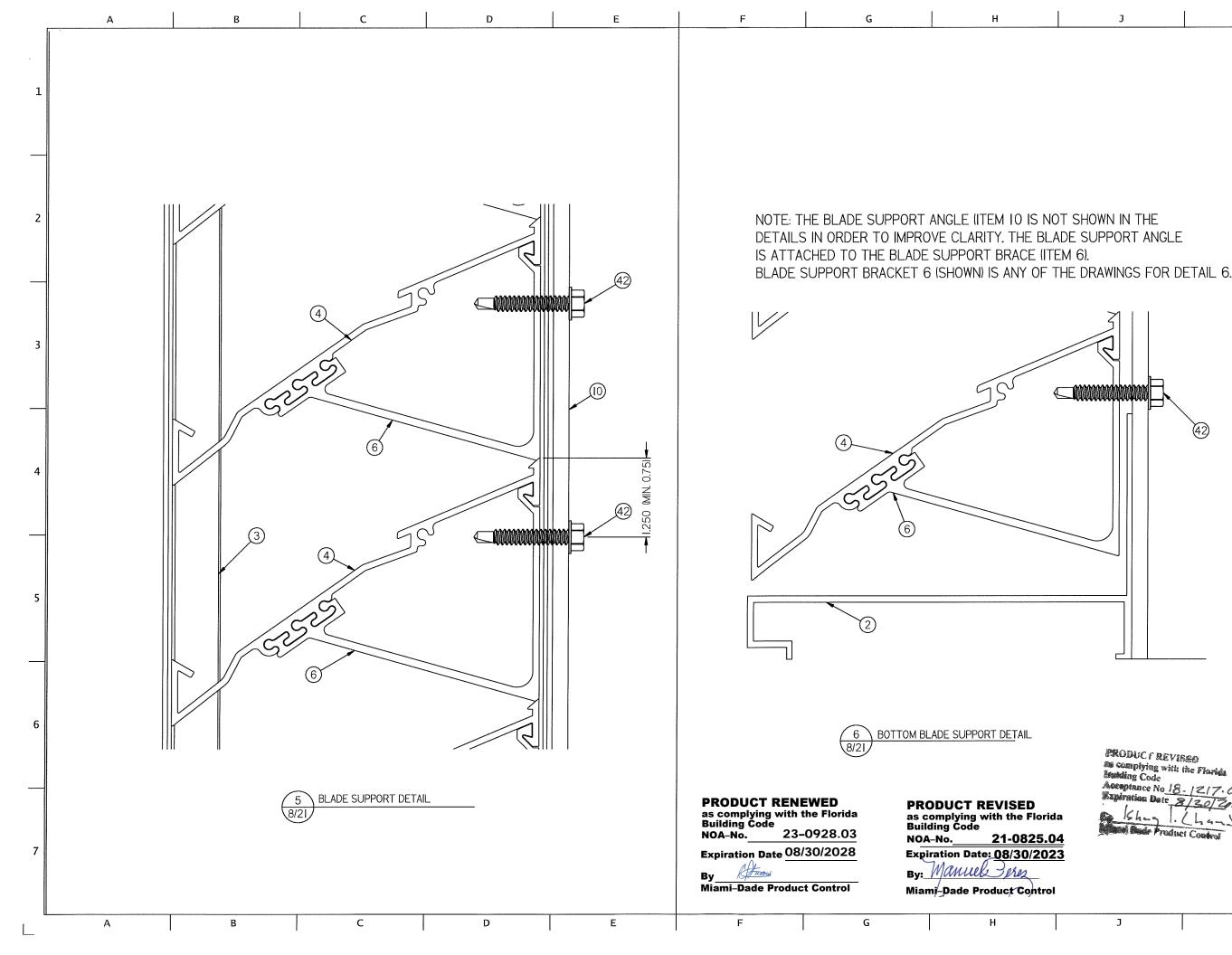


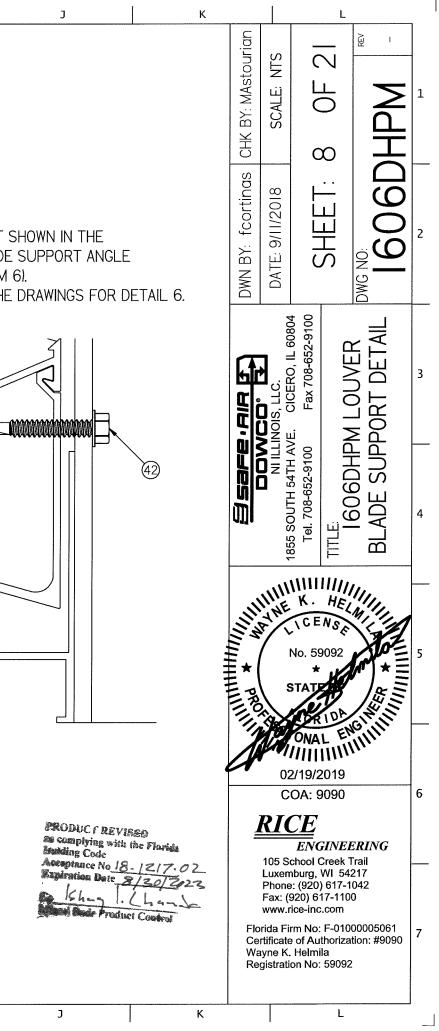


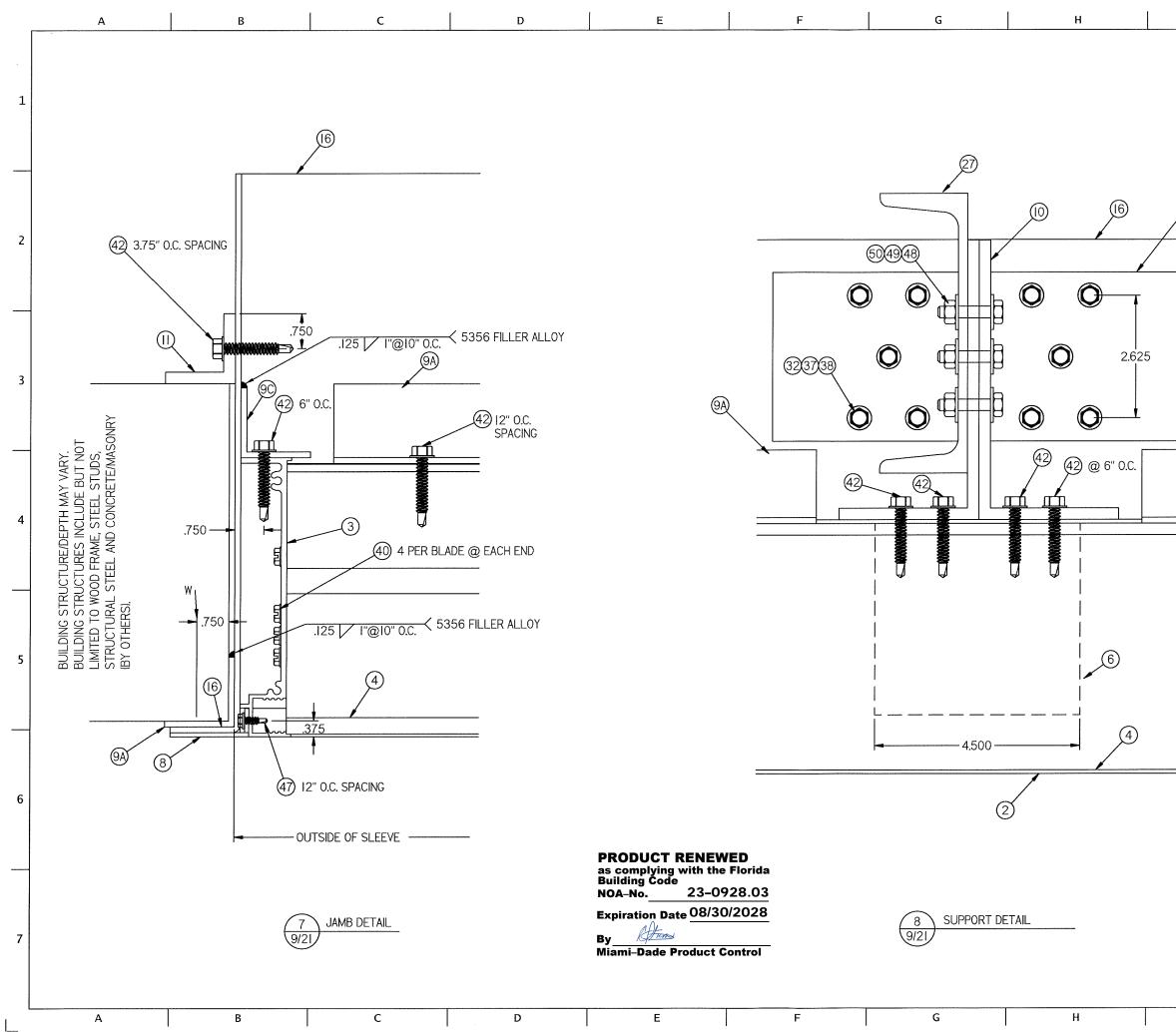




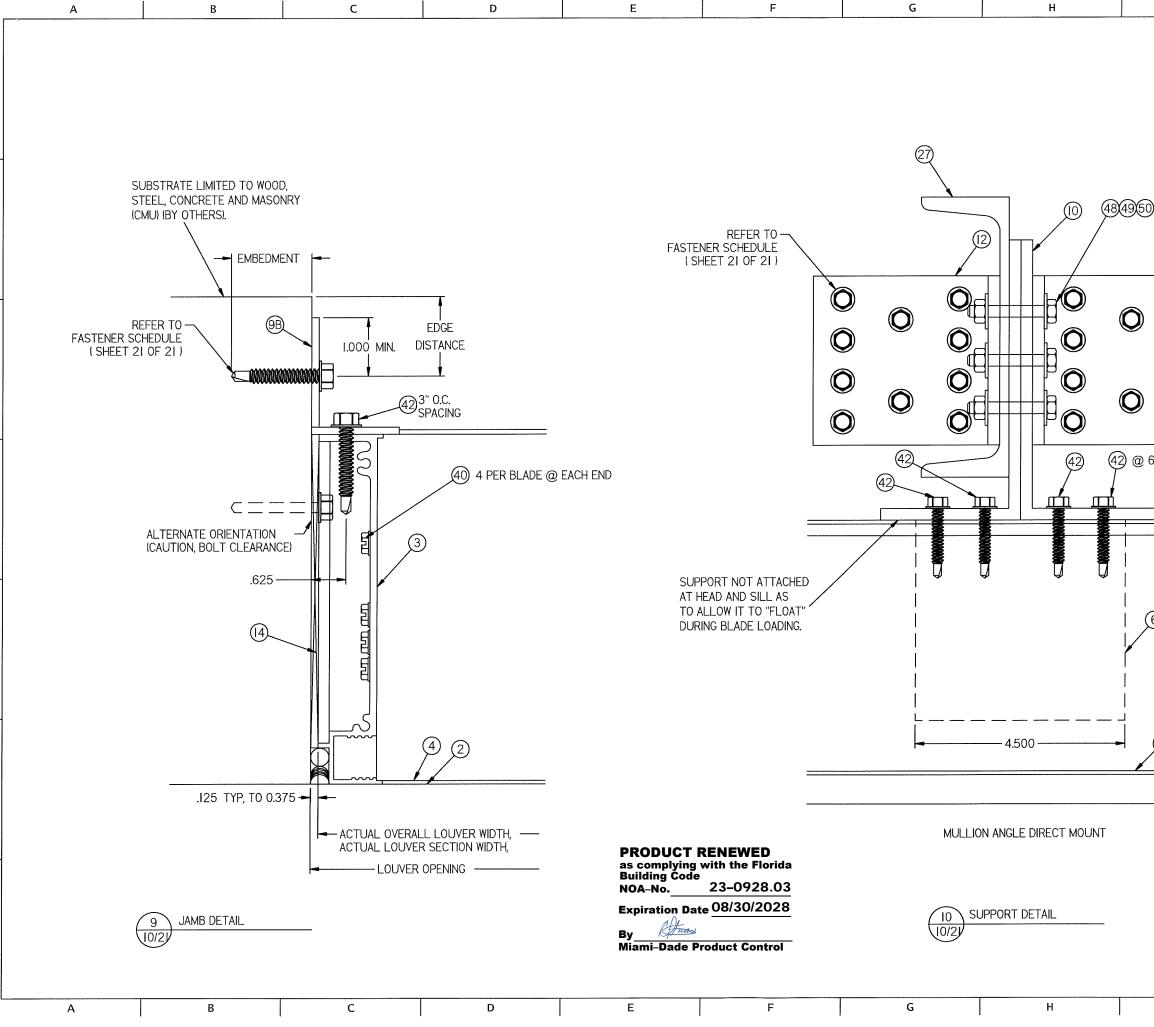




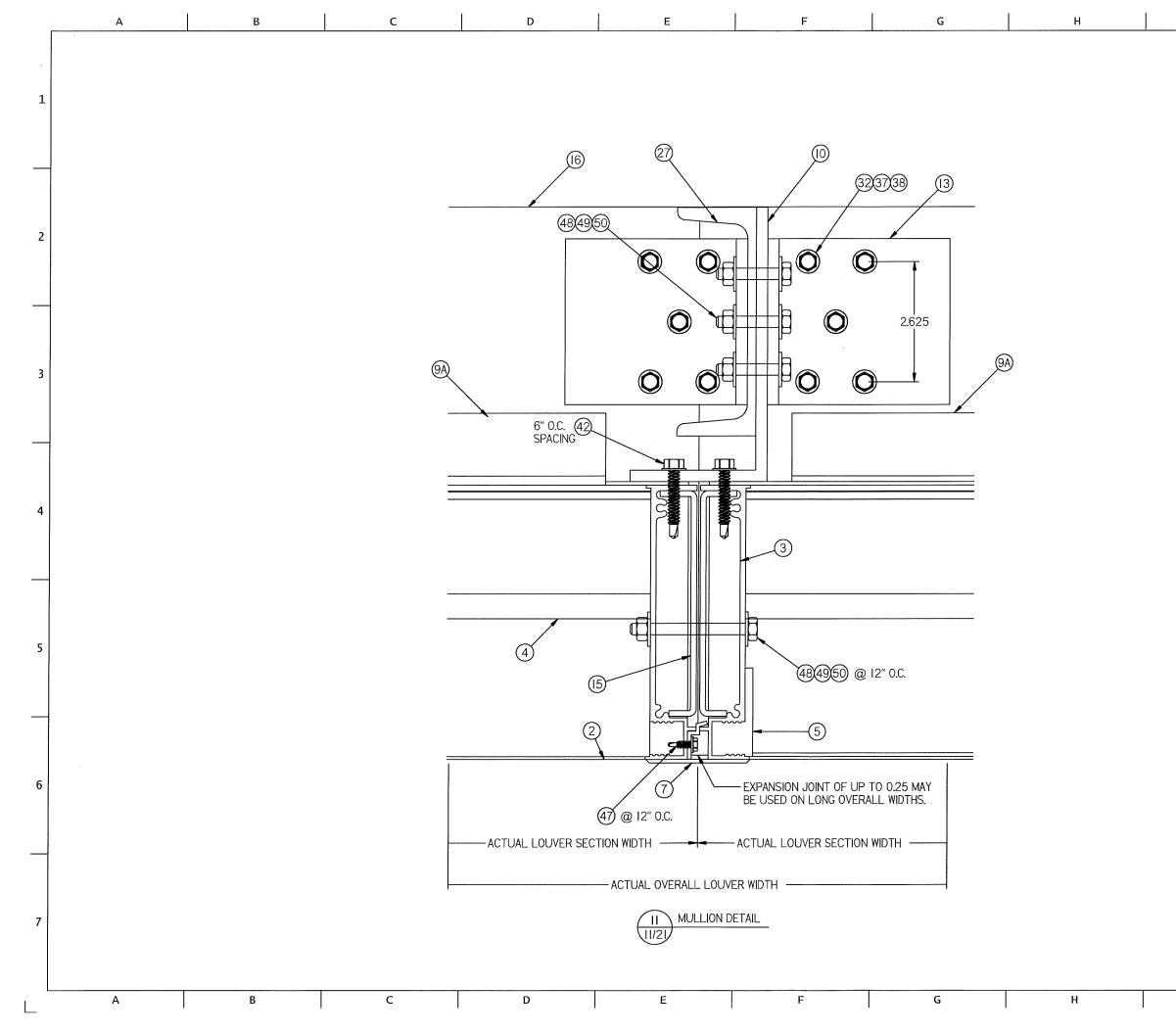




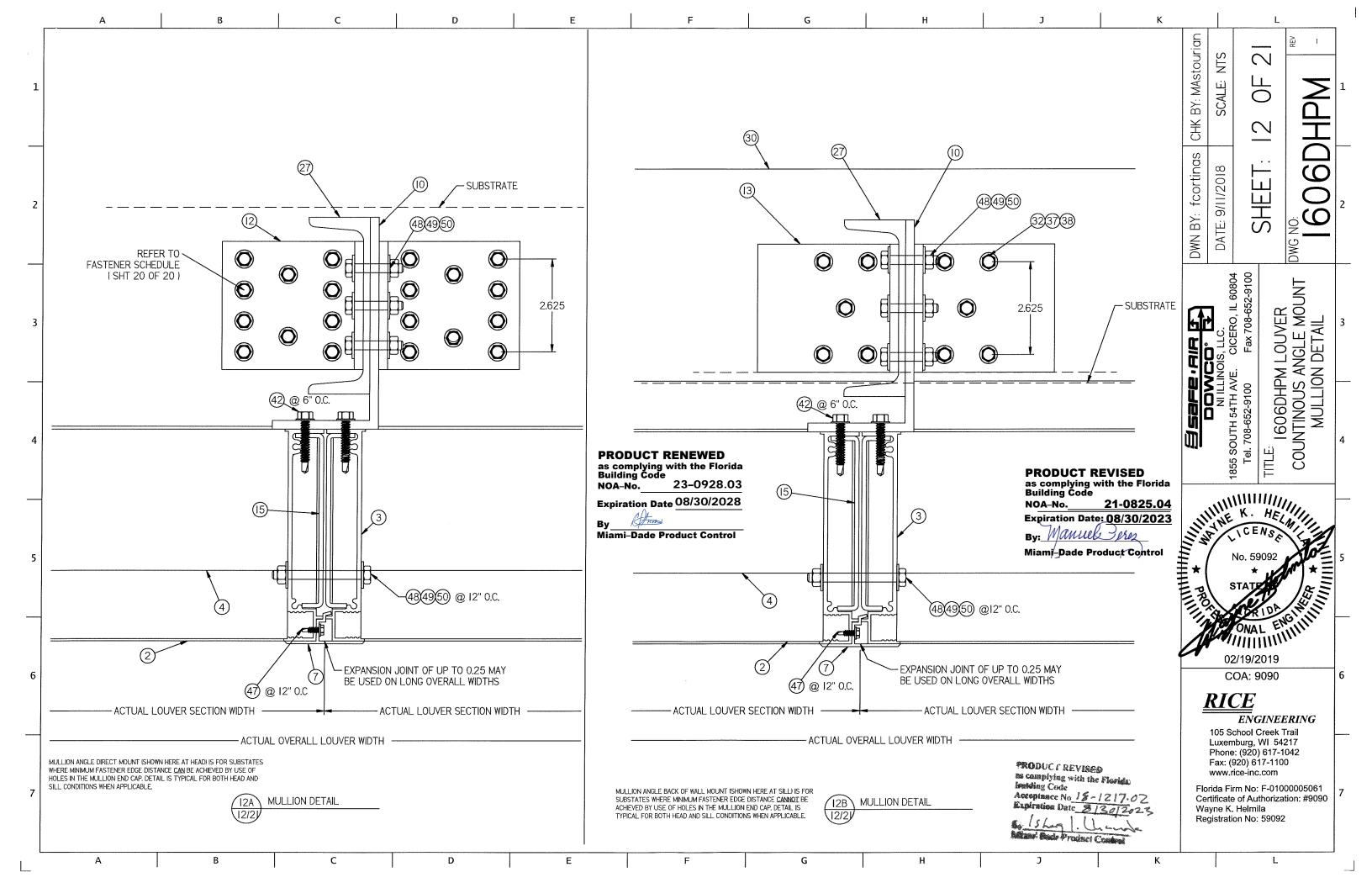
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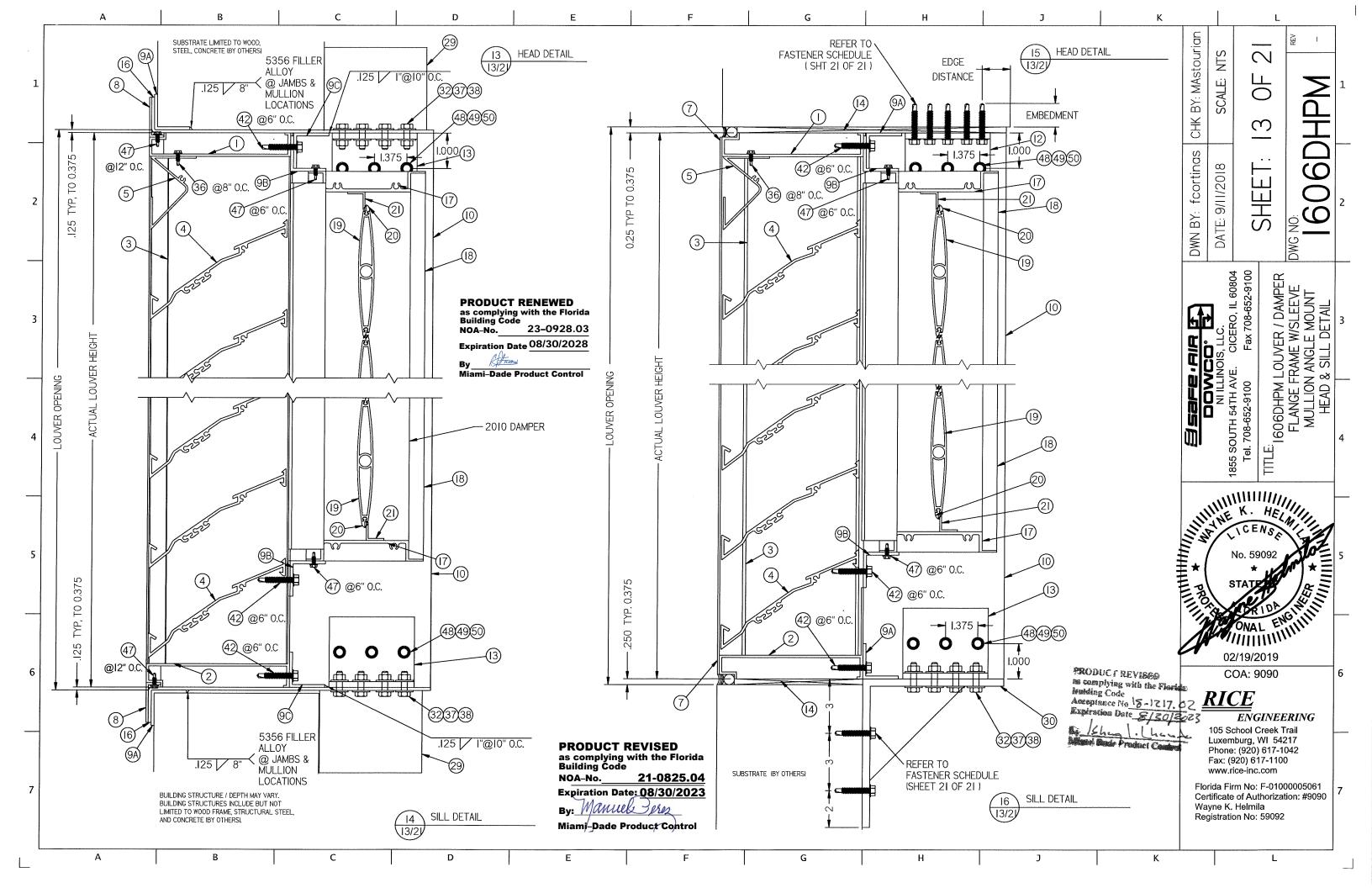


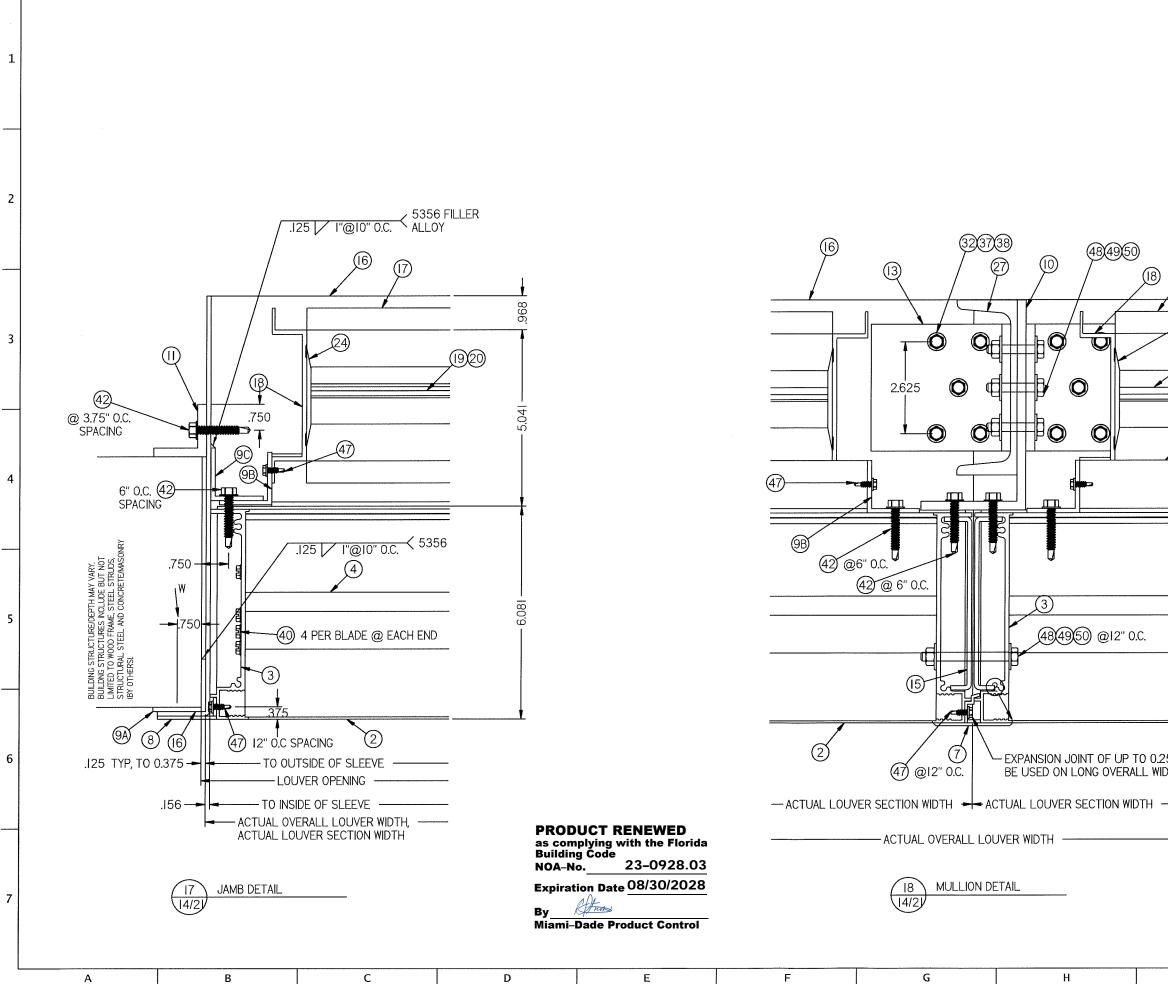
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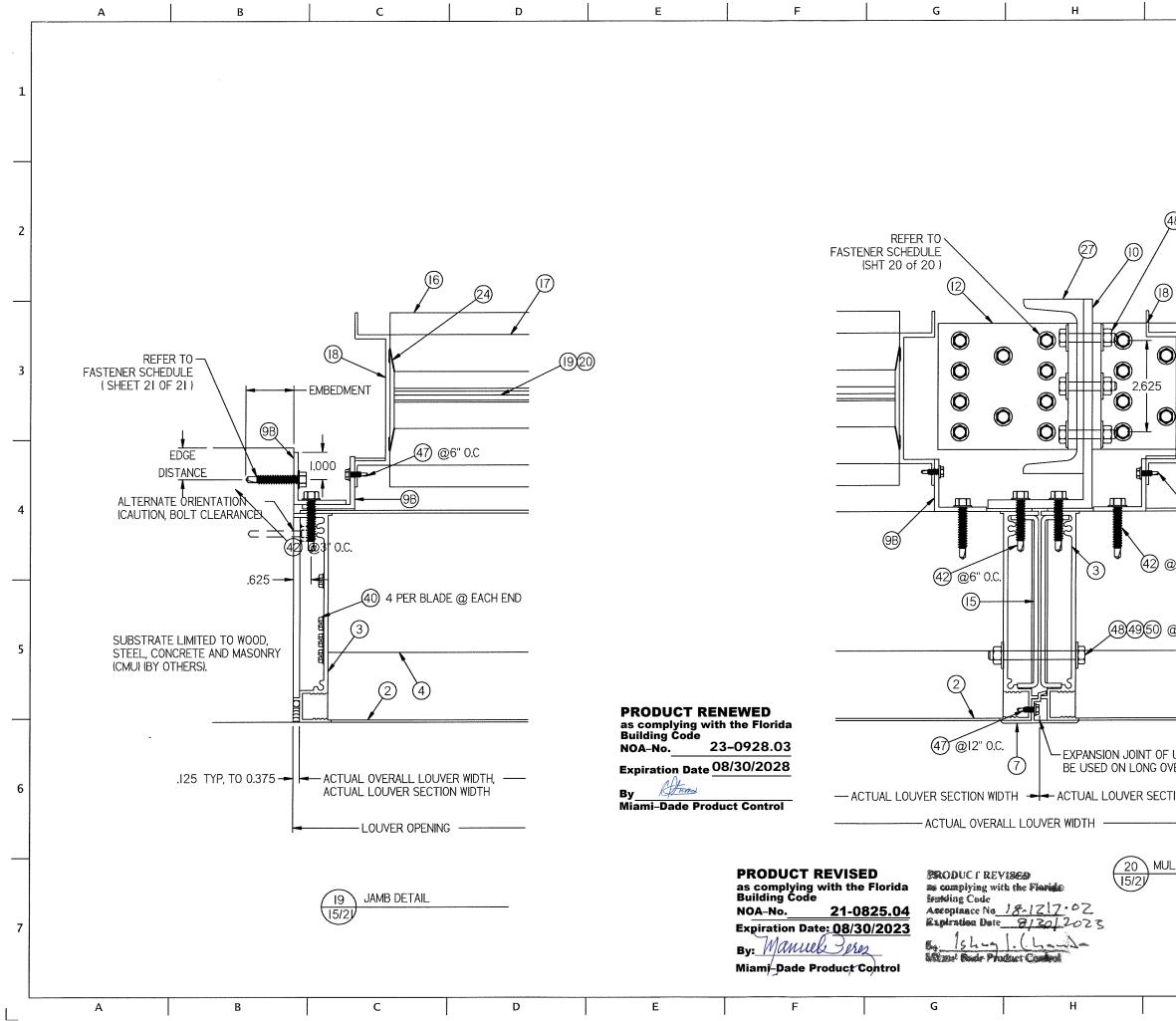
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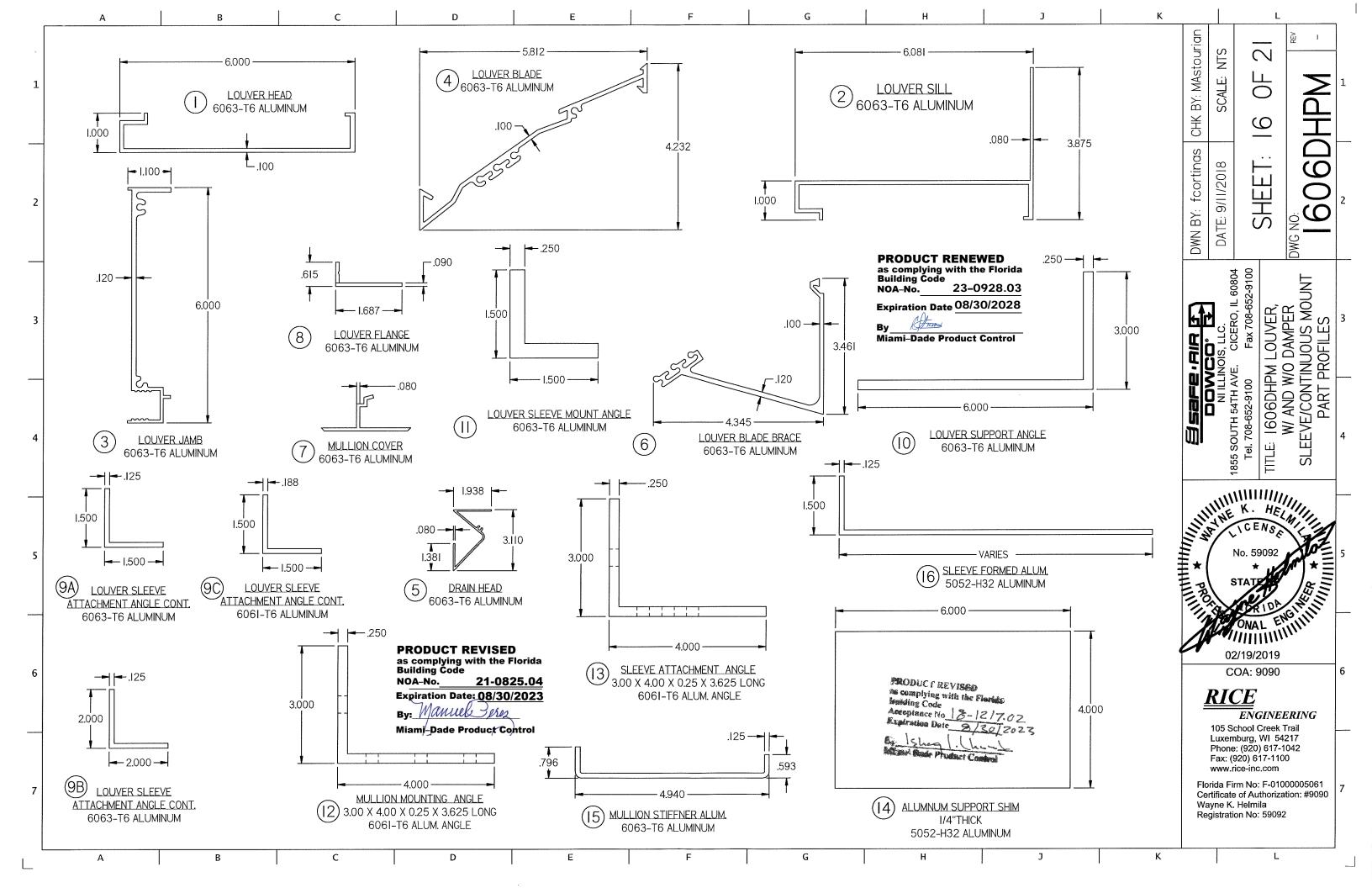
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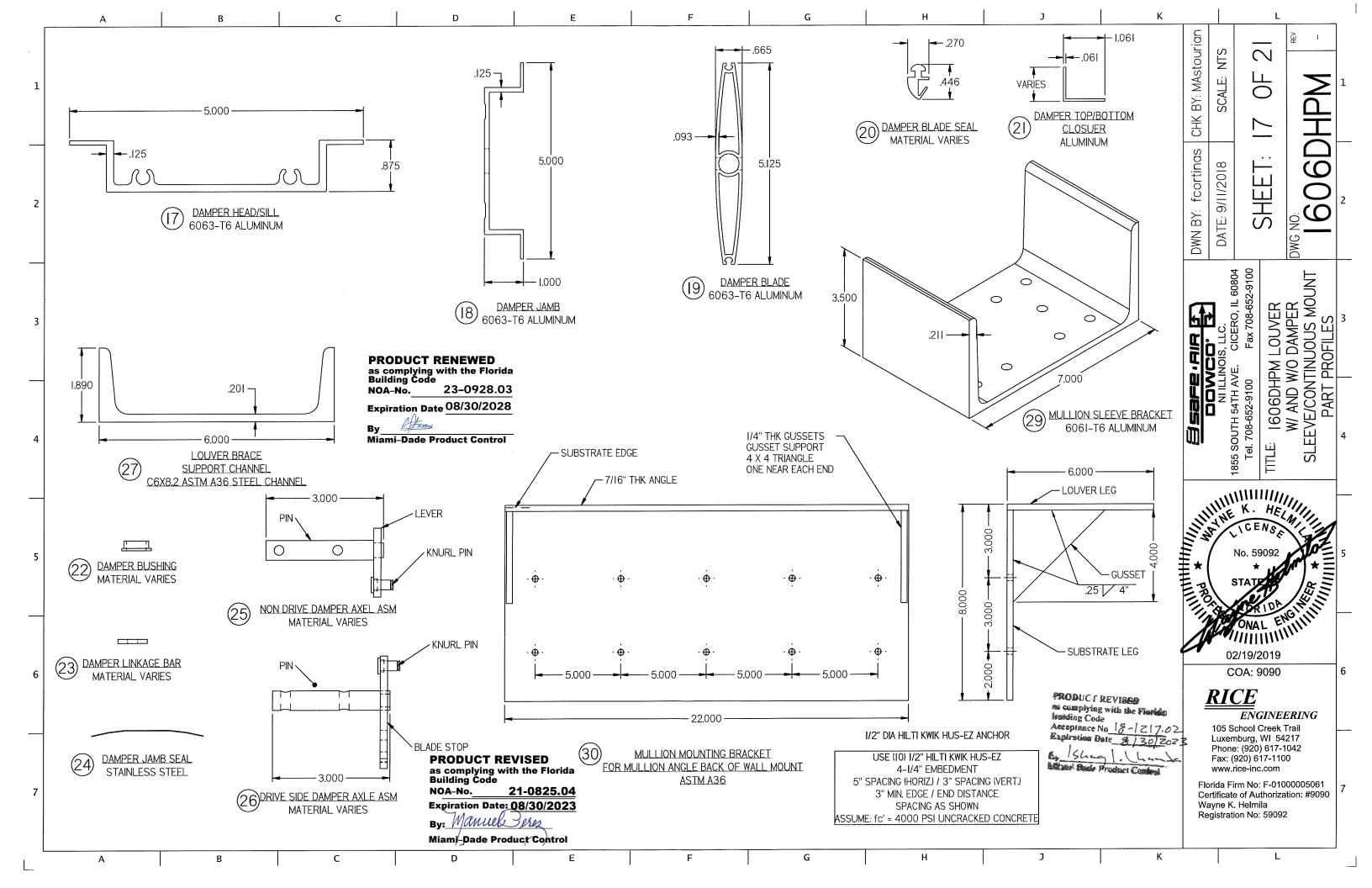
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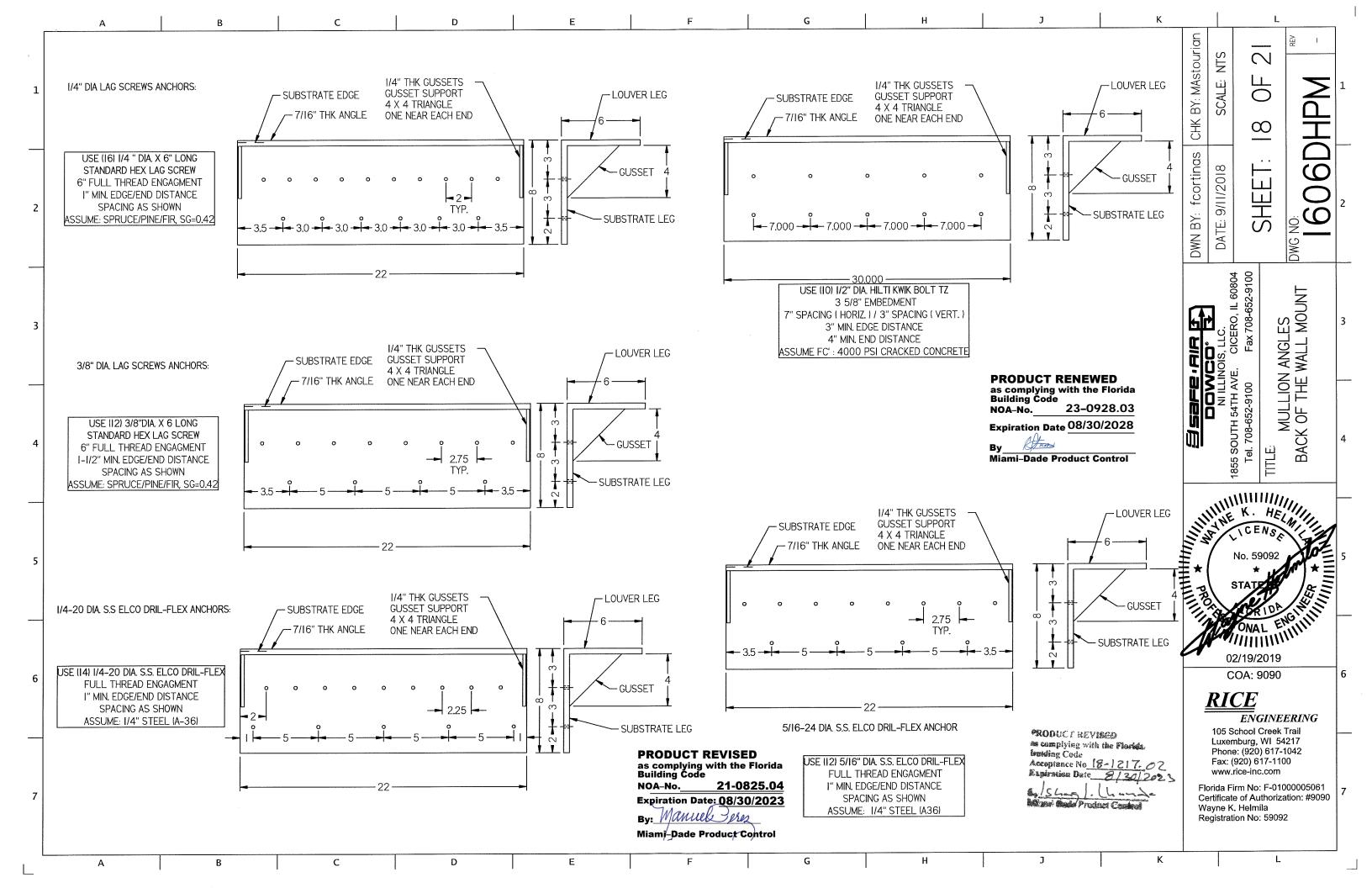
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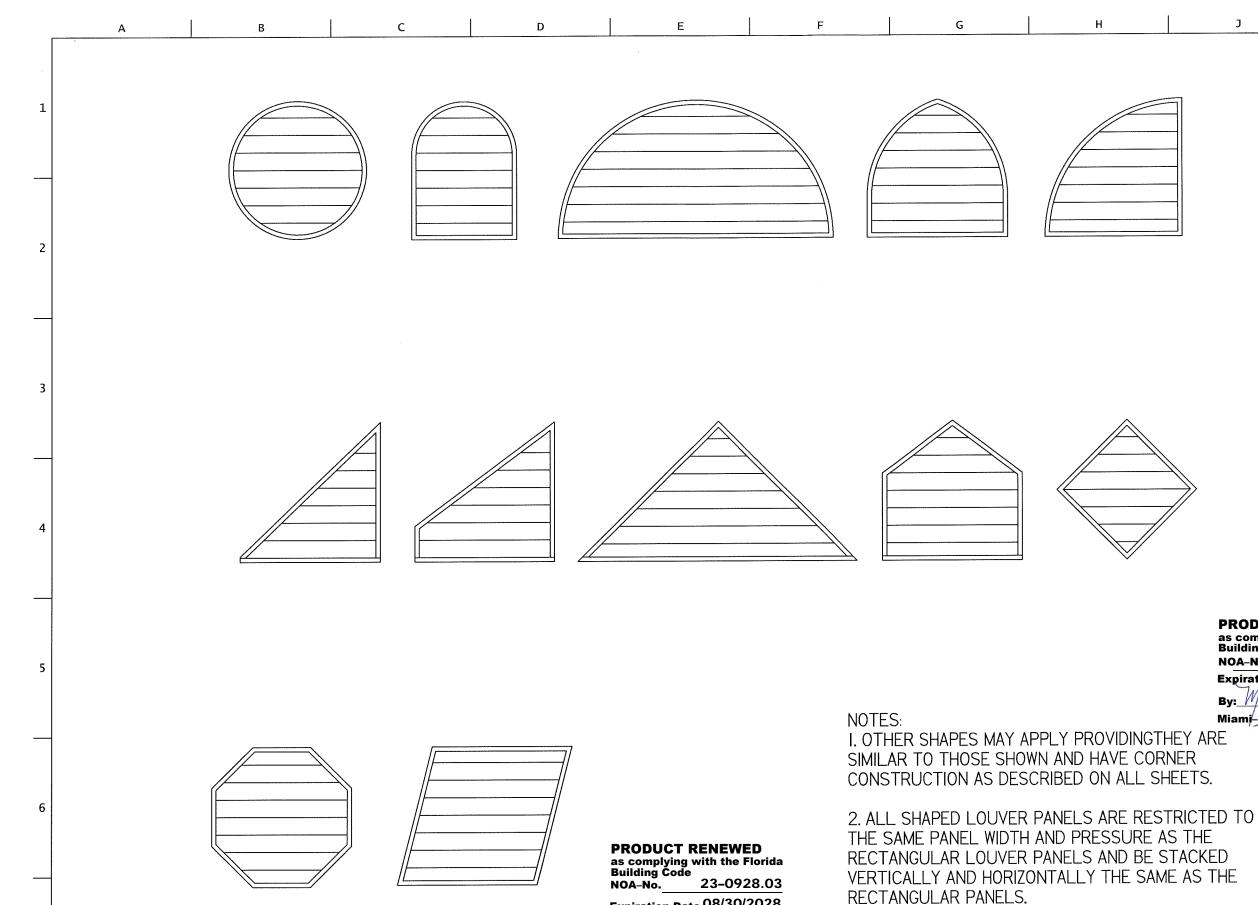


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3. WHEN SECTION EXCEED 36" IN LENGTH BLADE SUPPORT ANGLES AND BRACKETS ARE REQUIRED.

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Expiration Date 08/30/2028

Miami-Dade Product Control

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ITEM	DESCRIPTION	MATERIAL MATERIALS	NOTES
	C6-I39 LOUVER HEAD	6063-T6 ALUMINIUM	NOTES
2	C6-140 LOUVER SILL	6063-T6 ALUMINUM	
3	C6-141 LOUVER JAMB	6063-T6 ALUMINIUM	
4	C6-142 LOUVER BLADE	6063-T6 ALUMINIUM	
5	C6-168 LOUVER DRAIN	6063-T6 ALUMINIUM	
6	C6-143 LOUVER BLADE BRACE	6063-T6 ALUMINIUM	
7	C6-104 MULLION COVER	6063-T6 ALUMINIUM	
8	C6-096 LOUVER FLANGE	6063-T6 ALUMINIUM	
9A	C6-I76 I I/2 X I I/2 X I/8 ANGLE CONT.	6063-T6 ALUMINIUM	USED AT HEAD/SILL/JAMB, OF LOUVER AND SLEEVE
9B	C6-160 2 X 2 X 1/8 ANGLE CONT.	6063-T6 ALUMINIUM	USE AS ATTACHMENT ANGLE
90	1 1/2 X 1 1/2 X 3/16 ANGLE CONT.	6063-T6 ALUMINIUM	USE AS ATTACHMENT ANGLE
10	C6-16IB 6 X 3 X 1/4 ANGLE	6063-T6 AL UMINIUM	USED AT BLADE SUPPORT AND JAMB SUPPORT
<u> </u>	I 1/2 X I 1/2 X 1/4 ANGLE	6063-T6 ALUMINIUM	USED AT BLADE SUPPORT AND JAMB SUPPORT
12	4 X 3 X I/4 X 3 5/8 LONG ANGLE	6063-T6 ALUMINUM	USED AT HEAD/ SILL OF MULLION ATTACHMENT
13	4 X 3 X 1/4 3 5/8 LONG ANGLE	6063-T6 ALUMINUM	USED AT HEAD/ SILL OF LOUVER SLEEVE ATTACHMENT
4	6 X 4 X I/4 ALUMININM SUPPORT SHIM	6063-T6 ALUMINIUM	USED AT SILL FOR SUPPORT ANGLE
15	MULLION STIFFENER ALUM	6063-T6 ALUMINIUM	I/8 FORMED ALUM CHANNEL USED AT MULLION
16	FORMED SLEEVE I/8 THK	5052-H32 ALUMINIUM	I/8 FORMED SLEEVE - DEPTH VARIES
7	B2-610 DAMPER HEAD/SILL	6063-T6 ALUMINIUM	
18	B2-609 DAMPER JAMB	6063-T6 ALUMINIUM	
19	B2-527 DAMPER BLADE	6063-T6 ALUMINIUM	
20	DAMPER BLADE SEAL	SILICONE / RUBBER TYPE	MATERIAL VARIES
21	DAMPER TOP/BOTTOM CLOSURE		
22 23	DAMPER BUSHING DAMPER LINKAGE BAR	BRONZE / SS	
23	DAMPER LINRAGE DAR DAMPER JAMB SEAL		
25	NON DRIVE DAMPER AXEL ASM	SS	
26	DRIVE SIDE DAMPER AXLE ASM	SS	
27	C6X8.2 STEEL CHANNEL	ASTM A36	USED AT BLADE BLACE & MULLION
28			
29	7" X 21" ALUMINIUM SLEEVE BRACKET	606I-T6	MULLION SLEEVE BRACKET
30	MULLION MOUNTING ANGLE BRACKET	ASTM A36	MULLION MOUNTING
31	C6-180	SCREW,MTL,I0-24XI,HEX	
32	C6-181	I/4 NYLON INSERT LOCKNUT	
33	<u>C6-182</u>	I/4-20x2-I/2 HEX CAP SCREW	
34	C6-183	WASHER,BONDED,IOXI/2,SS	300 SERIES, SS COND. CW FY = 65 KSI
35 36	C6-184 C6-185	SCREW,MTL,I2-24-I-I/4,HEX I/4-20xI HEX SCREW	300 SERIES, SS COND. CW FY = 65 KSI 300 SERIES, SS COND. CW FY = 65 KSI
37	C6-185	I/4 COMM'L FLAT WASHER	300 SERIES, SS COND. CW FT = 65 KSI
38	C6-187	I/4-20xI HEX CAP SCREW 18-8 SS	
39	C6-188	SCREW, MTL,HEX, 8-32 X I,	300 SERIES, SS COND. CW FY = 65 KSI
40	C6-189	SCREW, METAL, HW, 10-24 X 1-1/2,	300 SERIES, SS COND. CW FY = 65 KSI
41	C6-192	SCREW, MTL, HEX, 8 X 1-1/2,	300 SERIES, SS COND, CW FY = 65 KSI
42	C6-193	SCREW, METAL, HEX, 14 X 1-1/2	300 SERIES, SS COND. CW FY = 65 KSI
43	C6-194	SCREW, METAL, HEX, 12 X I-1/2, SS	300 SERIES, SS COND. CW FY = 65 KSI
44	C6-195	1/4-20 X 1 1/4 HEX CAP SCREW 18-8 S/S	
45	C6-196	1/4-20 FIN. HEX NUT 18-8 S/S	
46	C6-197	I/4 LOCKWASHER 18-8 S/S	
47	C6-198	SCREW, MTL, HEX, 8 X 3/4,	300 SERIES, SS COND. CW FY = 65 KSI
48		3/8"-16 X 2 18-6 HEX HEAD BOLT SS	300 SERIES, SS COND. CW FY = 65 KSI
49		3/8-16 HEX LOCK NUT SS	300 SERIES, SS COND. CW FY = 65 KSI
50		3/8-FLAT WASHER SS	300 SERIES, SS COND. CW FY = 65 KSI

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50		3/8-FLAT WASHER SS 300 SERIES, SS COND. CW FY = 65 KSI							
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	BY: MAstourian	SCALE: NTS

CHK BY: MAstor

DWN BY: fcortinas

DATE: 9/11/2018

CICERO, IL 60804 Fax 708-652-9100

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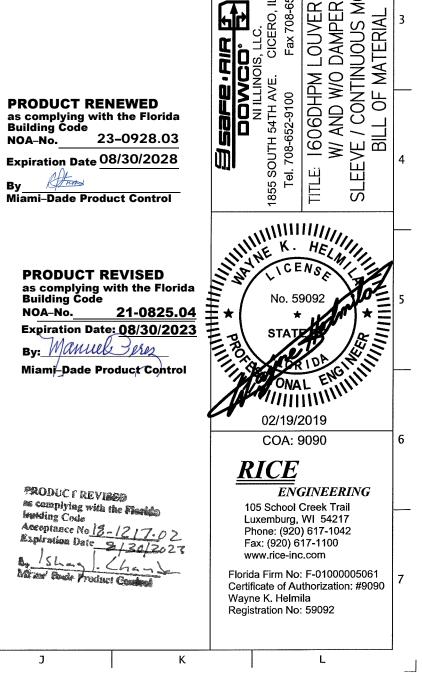
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W/ AND W/O DAMPER SLEEVE / CONTINUOUS MOUNT BILL OF MATERIAL

PRODUCT RENEWED as complying with the Florida Building Code NOA-No. 23-0928.03

Expiration Date 08/30/2028 By Hrms Miami-Dade Product Control



WOOD			В		С		D	I	E		F		G		Н
WOOD		'EMBEDN	IENT DEPTH	IS EQUAL TO	OVERALL LEN	IGTH FOR CON	ICRETE /CMU F	ASTENERS. I	F SHIMS ARE US	ED, FASTENER	_ENGTH MUST BE	INCREASE	D BY THICKN	ESSOF SH	HIMS
WOOD					1	l	LOUVER MODE	L I606DHPM	FASTENER SCH	IEDULE					
	STEEL STUD ST	EEL CONF		MU MIN.		·····		ENER TYPE							
			JAL		UNT FASTENE	ER, WIDTH < = 7	2 INCHES				DIAMETER	# Rqd	CENTERS	EDGE	EMBEDMENT
Х				SG 0.4					CW- Fy = 65ksil		1/4"		3"	2"	2"
Х				SG 0.4	2	LAG SCR	REW (300 SERIE	S SS- COND.	CW- Fy = 65ksil		3/8"	<u> </u>	5"	2"	2"
	X			16 Ga					S SS- COND. CW		1/4"		4-1/2"	2"	3 THREAD BEYOND SUBSTRAT
		<u>X</u>		A-36					S SS- COND. CW		/4"	1	13-1/2"	2"	1/4"
		X		A-36	ELCO E	DRILL-FLEX DF			S SS- COND, CW	– Fy= 65ksil	5/16"		16"	2"	/4"
		X-CRA		4ksi				WIK HUS-EZ			/4"	1	5-3/4"	4"	15/8"
		X-CRA		4ksi				WIK HUS-EZ			3/8"		8"	4"	1 5/8"
				X I.5ksi				WIK -CON II+			/4"		4-3/4"	<u> - /2"</u>	1-3/4"
				X I.5ksi	LUNT FASTEN			WIK-BOLT3+			3/8"	1	8"	4″	2-1/2"
											1(4)	10		01	411
<u>X</u>				SG 0.4					CW- Fy = 65ksil		1/4"	10	VARIES	2"	4"
X		~		SG 0.4					$\frac{\text{CW-Fy} = 65\text{ksi}}{6.65\text{ksi}}$		1/2"	6	VARIES	2"	2"
		X		A-36					S SS- COND. CW		I/4"	4	VARIES	2"	/4"
		X		A-36		JRILL-FLEX DF			<u>S SS- COND. CW</u>	- ry= 65KSI}	5/16"	2	2-3/4"	2" 7	<u> /4"</u> 2–5/16"
		X-UNCF		4ksi				KBOLT 3 - C			3/8"	2	<u>4"</u>		
		X-CRA				ASTENERS HE	HIL K EIGHT < = 120 II	WIK BOLT TZ			3/8"	2	4"	1	4-7/16"
V	[SG 0.4					CW- Fy = 65ksi)		/4"	16	VARIES	1"	6"
<u> </u>				SG 0.4					CW - Fy = 65ksil CW - Fy = 65ksil		3/8"	10	VARIES	<u> </u> - /2"	6"
Χ		X		A-36	**************************************				CW = FY = OOKSIIS SS = COND. CW		1/4"	12	VARIES	<u> -1/2</u> "	I/4"
		X		A-36					S SS- COND. CW		5/16"	14	VARIES	t	1/4"
		X-UNCF		4ksi				WIK HUS-EZ		- i y= 00K31/	1/2"	12	VARIES	3"	4-1/4"
		X-CRA		4ksi				WIK BOLT TZ			1/2"	10	VARIES	3"	3-5/8"
3. MAXIM 4. MAXIM 5. SECTI 6. CMU S 7. THE S	201 (IMPACT), TAS- IUM SINGLE SECTIO IUM ASSEMBLED L ONS OR ASSEMBLI SHALL BE ASTM CS LEEVE MOUNT ST WILL WITHSTAND ONTINUOUS ANGLI HE FASTENER SCHE	on size is 72" (Ouver size is Es may be sta 00, type II, 2,00 (Le Louver u The Loads tr E mount styl	WIDE X 120" H UNLIMITED W ACKED VERTIG O MIN PSI GR ITILIZES AN AI ANSFERRED ⁻ .E UTILIZES A IR DOES NOT	HGH. VIDE X I20" HI CALLY PROVI ROUT-FILLED NCHORLESS TO IT BY THE & CONTINUOU F DETERMINE	GH. DING A SUITAB INSTALLATION LOUVER. SAF S JAMB ANGLE THE STRUCTR	LE STRUCTUF METHOD THA E AIR DOES NO THAT IS ATTA	t does not r ot determine ched to the :	EQUIRE THE L THE STRUCT SUBSTRATE F	JSE OF FASTENE URAL INTERGRIT	ERS INTO THE S TY OF THE SUE	SUBSTRATE. IT M. STRATE STRUCT	ay be inst Jre.	ALLED IN AN	y substf	RATE
TO TH	EN ASSEMULTIS Q)F + / – 150 PS	SF.		SHALL STOC	CTURE.						
TO TH 9. LOUVI 10. LOUV THE F 11. INSTA 12. THE 2 INDEF 13. FRAM (4) #1 14. STEE 15. BLAD 16. THRE CON	/ER ASSEMBLY WIT ACOM WILL HOUSE LLER TO PROVIDE 2020 DAMPER MAY PENDENT TESTING IE CONSTRUCTION, 0-24 X I I/2 HW, (L / STAINLESS-ST E SUPPORT ANGLE AD PENETRATION I SIDERED PART OF ENGINEER OF REC	WATER RESIST SEPERATION C BE OPERATIEL AGENCY. HEAD AND SILI EACH END. EACH END. EACH END. EACH ALUMINIL AND BLADE S LENGTH SIGNIFI THE THREADEL	ANT / WATER DF DISSIMILAR DBY A MANU/ L ARE SQUAR UPPORT BRA UPPORT BRA IES THE REQU D PORTION OF	SHALL ONLY I R PROOF EQU R MATERIALS AL QUADRAN RE CUT, JAMB AY BE MADE C ACE ONLY REI JIRED LENGT F THE SCREW	BE INSTALLED PMENT, COMP AS REQUIRED. OR BY AN ELI S ARE SQUARE UT OF ALTERI QUIRED WHEN A H OF THE THRI LAG SCREWS	IN A LOCATION ONENTS, AND / ECTRIC OR PN CUT @ HEAD NATE ALLOY T ACTUAL LOUV EADED PORTIC G ARE NOT TO	(OR SUPPLIES EUMATIC ACTU) AND SILL. CO THA HAS EQUAL ER SECTION WI DN OF THE FAS BE INSTALLED	ROOM BEHIND JALTOR, THE I RNERS ARE S OR GREATER DTH IS GREAT TENER INTO T AT WOOD JO	THE LOUVER IS DAMPER'S ACTU SECURED WITH (R YIELD STRENG FER THAN 36 INC FHE WOOD SUBS INTS/SPLICES W	ATOR IS NOT P 2) #10-24 x 1 I TH. CHES. STRATE PROVID	ART OF THIS APP 2 HW, BLADES AR ING FULL CONTAG	ROVAL, BL E SECURE CT WITH W	IT SHALL BE D TO JAMBS DOD. LAG SC	Certified With Rew Tip (D BY AN

