

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

Greenheck Fan Corporation P.O. Box 410 Schofield, WI 54476 SCOPE:

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 EHH-601D Aluminum Louver with and without VCD-40 Damper

APPROVAL DOCUMENT: Drawing No. **EHH-601D**, titled "EHH-601D Louver", sheets 1 through 35 of 35, dated 08/09/2017, prepared by Greenheck Fan Corporation, signed and sealed by Wayne K. Helmila, P.E. on 09/27/2024, 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 Shelby, NC, 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 # 23-1013.09** 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.



NOA No. 24-0904.01 Expiration Date: November 1, 2029 Approval Date: October 10, 2024 Page 1

10/15/24

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs

A. DRAWINGS "Submitted under NOA # 10-0921.10"

1. Drawing No. **EHH-601D**, titled "EHH-601D Louver", sheets 1 through 21 of 21, dated 08/25/2010, prepared by Greenheck Fan Corporation, signed and sealed by L. David Rice, P.E.

B. TESTS "Submitted under NOA # 08-0229.06"

1. Test report on Wind Driven Rain Resistance per FBC, TAS 100(A)-95, prepared by Architectural Testing, Inc., Test Report No. **79201.01-109-18**, dated 02/05/2008, signed and sealed by Michael D. Stremmel, P.E.

"Submitted under NOA # 07-0925.02"

- 2. 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 Series/Model EHH-601D, fixed aluminum louvers, prepared by Architectural Testing, Inc., Test Report No. **74301.01-602-18**, dated 09/04/2007, signed and sealed by Joseph A. Reed, P.E.

3. Test report on Standard Test Methods for Tensile Testing of Metallic Materials, per ASTM E8-03, prepared by Architectural Testing, Inc., Test Report No.**74301.02-602-18**, dated 09/12/2007, signed and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS "Submitted under NOA # 10-0921.10"

1. Structural calculations, prepared by Rice Engineering, dated 09/03/2010, signed and sealed by L. David Rice, 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 # 16-0201.03"

- 1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Rice Engineering, dated 01/11/2016, signed and sealed by L. David Rice, P.E.
- Statement letter of code conformance to 2010 FBC issued by Rice Engineering, dated 11/06/2012, signed and sealed by L. David Rice, P.E. "Submitted under NOA # 12-0830.08"
- 3. Statement letters of conformance and no financial interest issued by Rice Engineering, dated 09/03/2010, signed and sealed by L. David Rice, P.E. "Submitted under NOA # 10-0921.10"

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 24-0904.01 Expiration Date: November 1, 2029 Approval Date: October 10, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER NOA # 17-0919.05 AND # 22-0816.10

A. DRAWINGS

1. Drawing No. **EHH-601D**, titled "EHH-601D Louver", sheets 1 through 21 of 21, dated 08/09/2017, prepared by Greenheck Fan Corporation, signed and sealed by Wayne K. Helmila, 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 7th Edition (2020) of the FBC, issued by Rice Engineering, dated 10/14/2021, signed and sealed by Wayne K. Helmila, P.E.
- 2. Testing contract email issued by Eric Jehn from Quast Consulting and Testing, Inc., and dated 08/11/2022.
- **3.** Statement letter of code conformance to the 6th Edition (2017) FBC issued by Rice Engineering, dated 08/30/2017, signed and sealed by Wayne K. Helmila, P.E.
- **4.** Statement letters of no financial interest issued by Rice Engineering, dated 08/30/2017, signed and sealed by Wayne K. Helmila, P.E.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 24-0904.01 Expiration Date: November 1, 2029 Approval Date: October 10, 2024

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. EHH-601D, titled "EHH-601D Louver", sheets 1 through 35 of 35, dated 08/09/2017, prepared by Greenheck Fan Corporation, signed and sealed by Wayne K. Helmila, P.E. on 09/27/2024.

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 Model EHH-601D/SCH601MD, fixed aluminum louver, prepared by Quast Consulting & Testing, Inc., Test Report No. **QCT22-6667.01**, dated 06/16/2022, signed and sealed by Arlen

- Fisher, P.E.
- 2. Test report on Wind Driven Rain Resistance per ANSI/AMCA 550-22, prepared by Quast Consulting & Testing, Inc., Test Report No. QCT23-7159, dated 12/19/2023, signed and sealed by Brian M. Sasman, P.E.

C. CALCULATIONS

1. Louver calculations, prepared by Rice Engineering, dated 09/27/2024, signed and sealed by Wayne K. Helmila, P.E.

D. QUALITY ASSURANCE

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

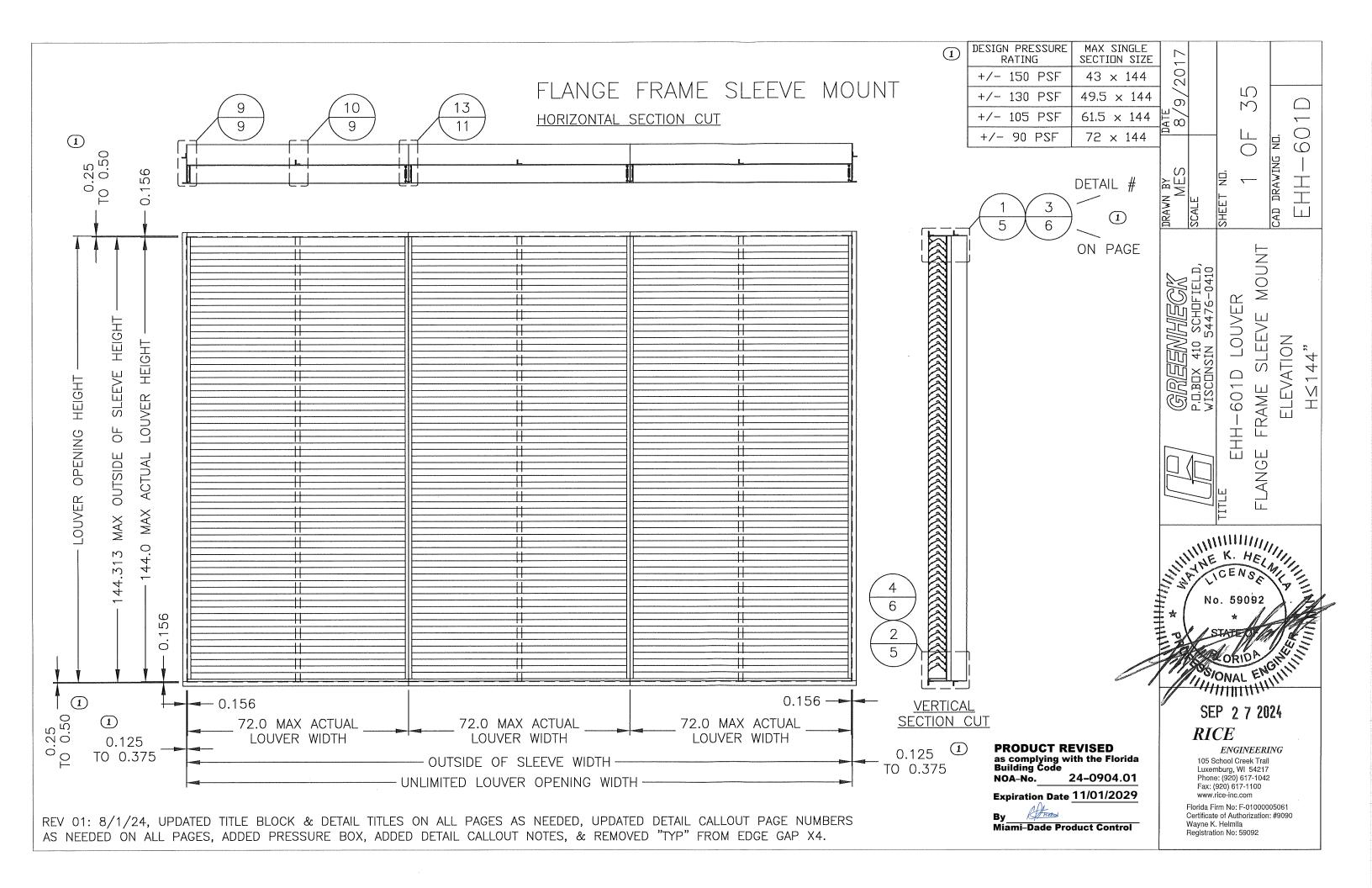
E. MATERIAL CERTIFICATIONS

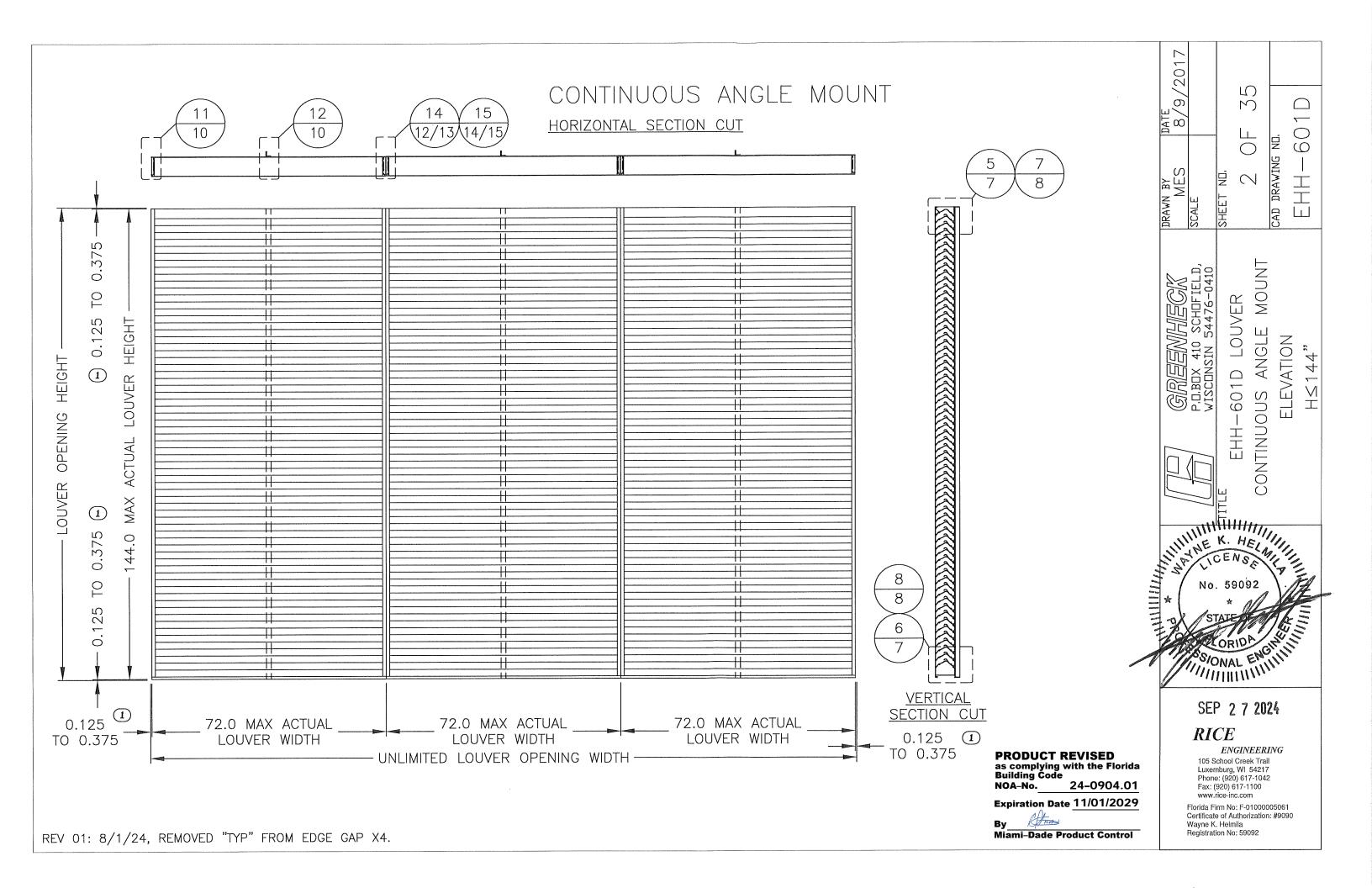
1. None.

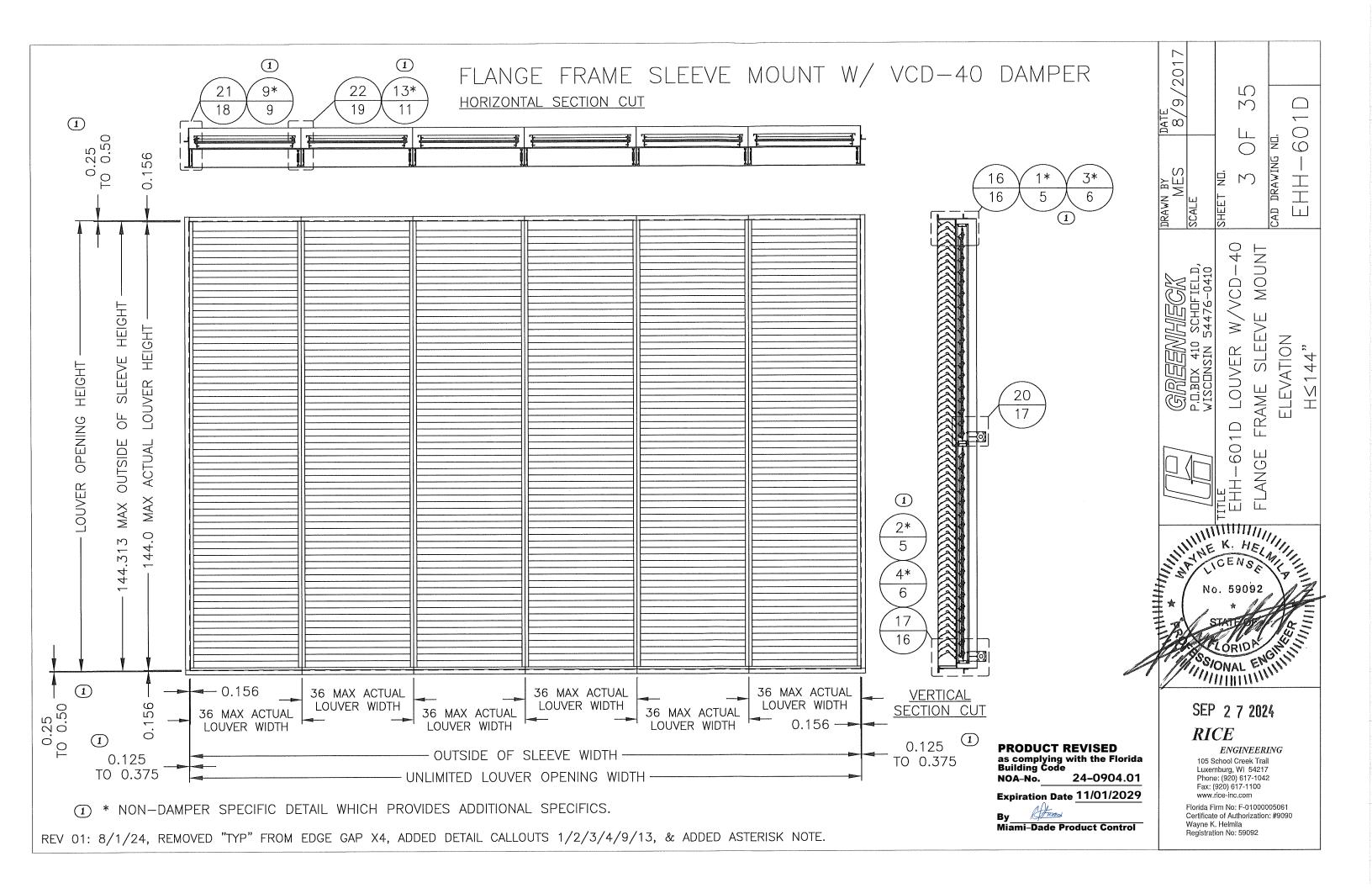
F. STATEMENTS

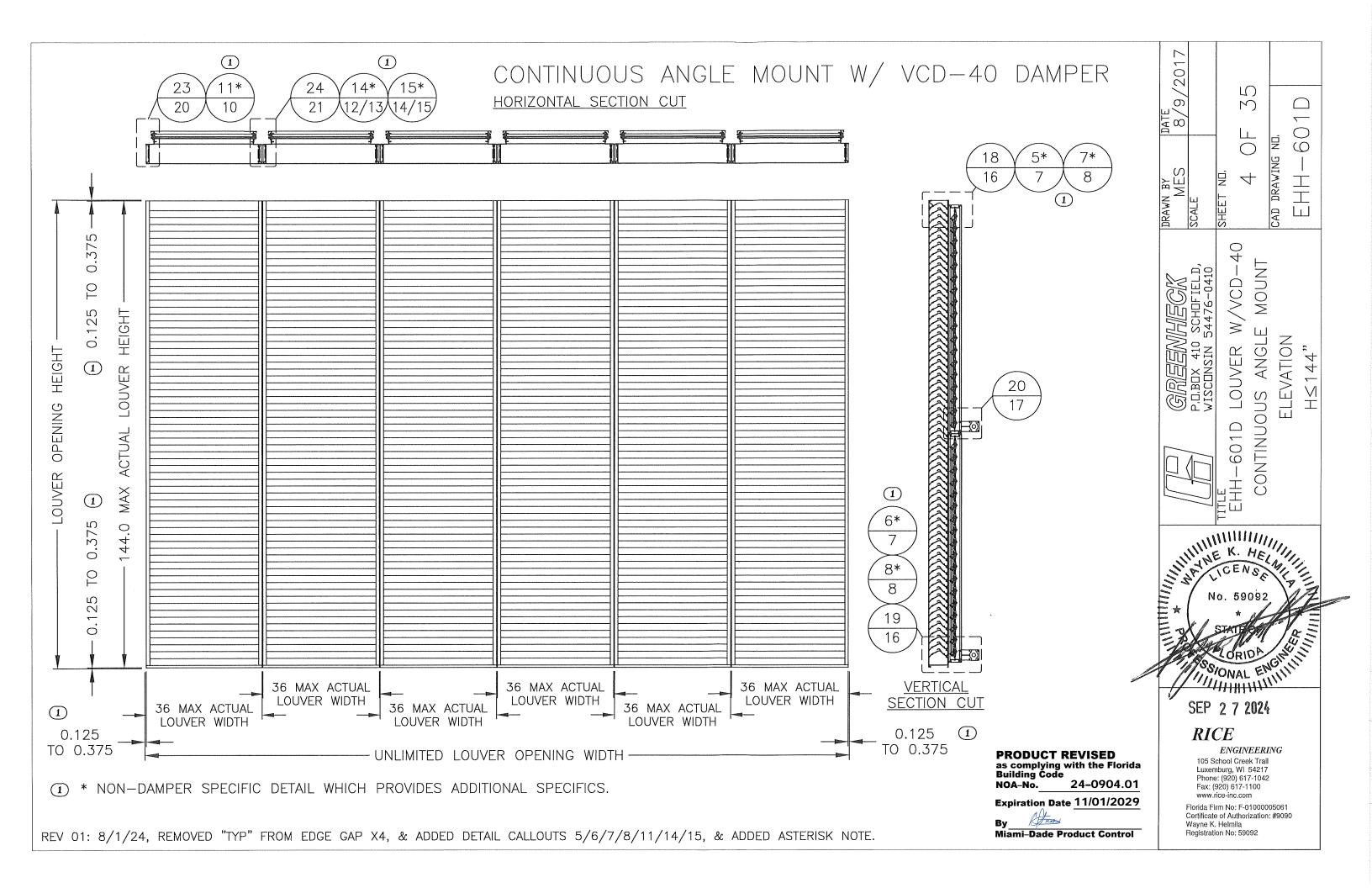
1. Statement letter of code conformance to the 8th Edition (2023) of the FBC and of no financial interest, issued by Rice Engineering, dated 08/19/2024, signed and sealed by Wayne K. Helmila, P.E.

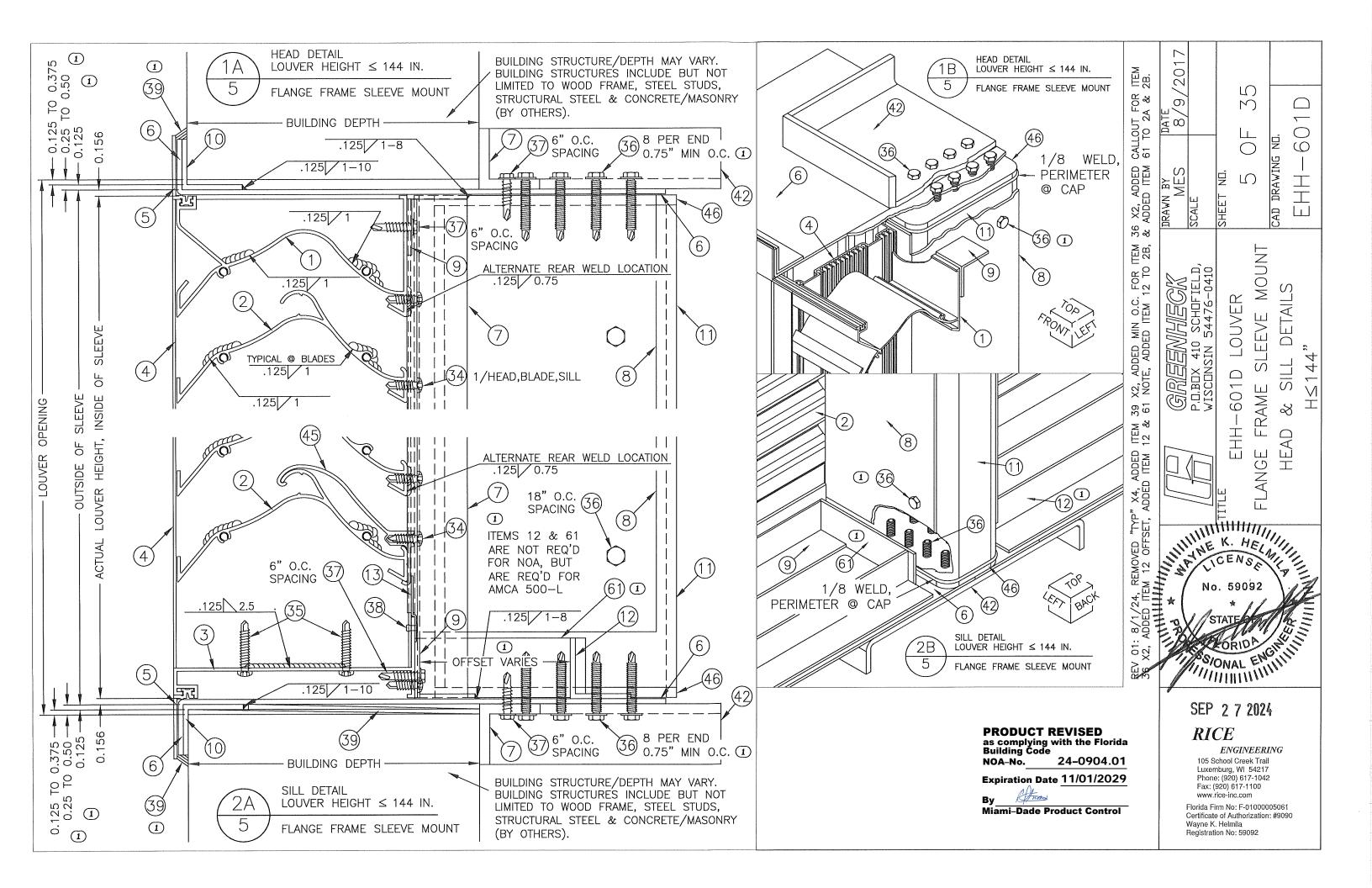
Carlos M. Utrera, P.E. Product Control Examiner NOA No. 24-0904.01 Expiration Date: November 1, 2029 Approval Date: October 10, 2024

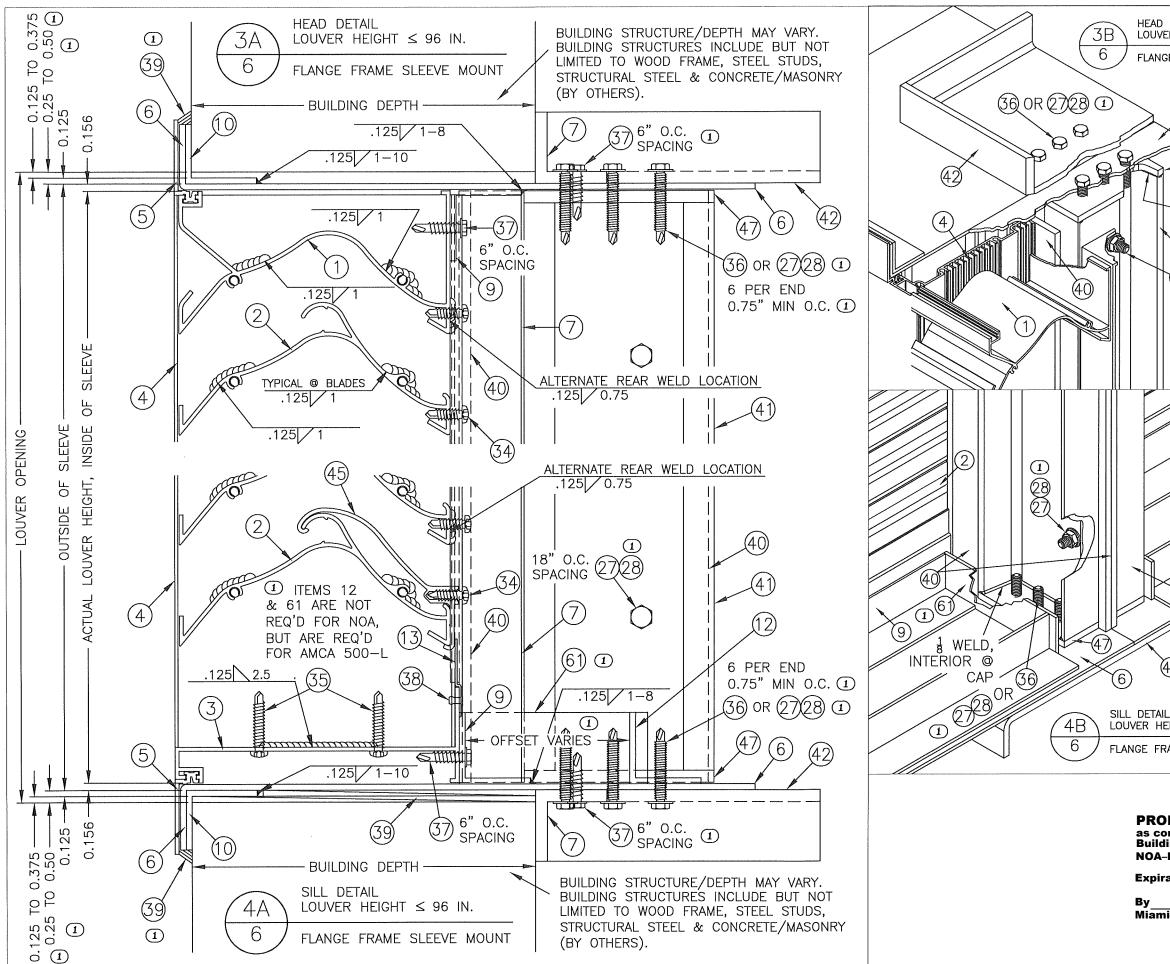




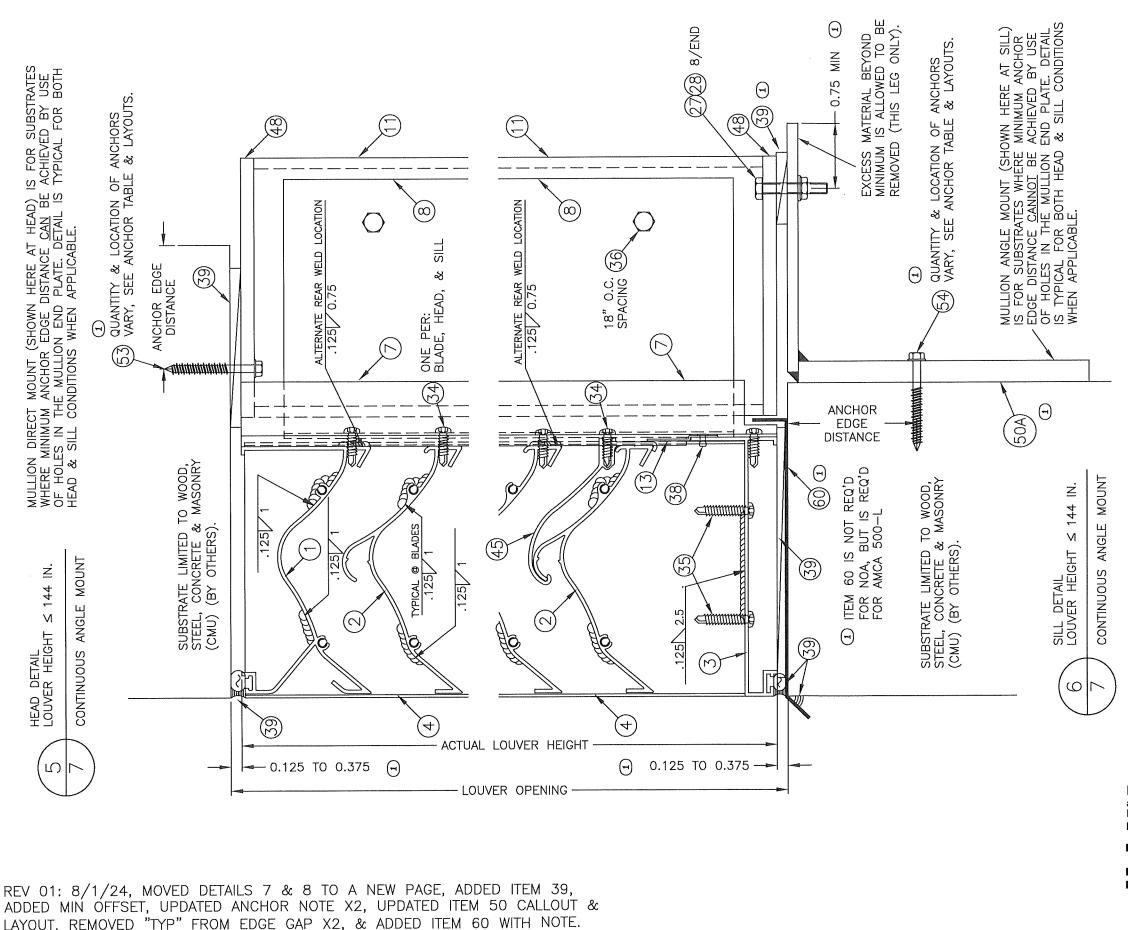






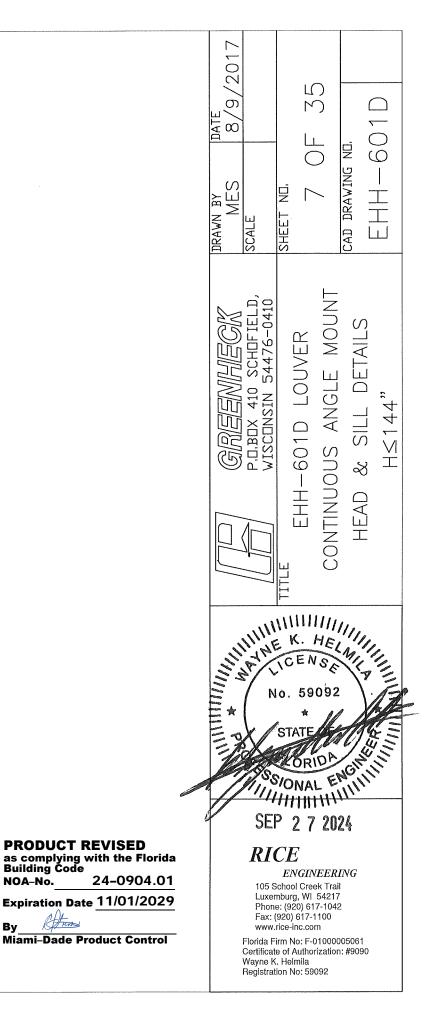


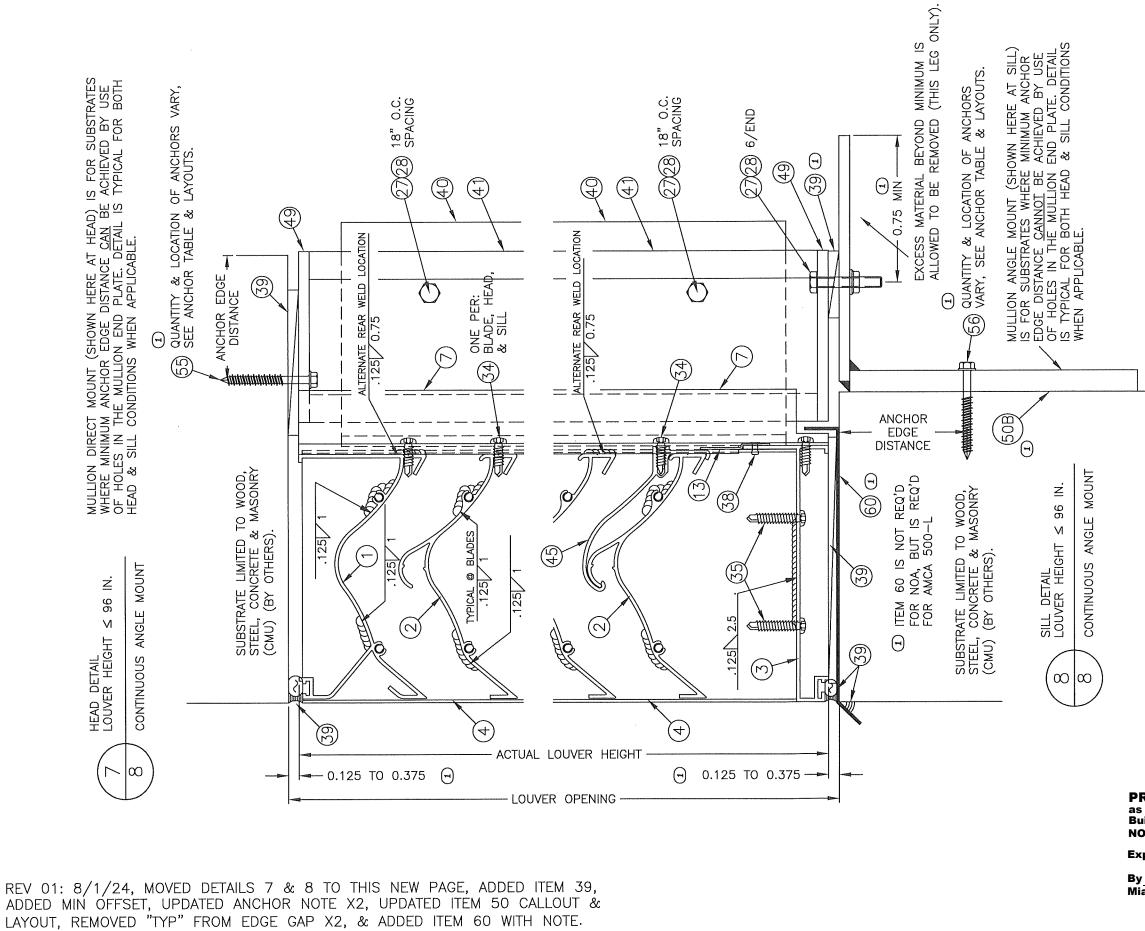
	1			
DETAIL ER HEIGHT < 96 IN. GE FRAME SLEEVE MOUNT	ITEM 36 X2, ADDED ? OFFSET, ADDED ITEM	MES 8/9/2017	SHEET ND. 6 OF 35 cad drawing Nd. EHH—601D	
4 1 1 1 1 1 1 1 1 1 1 1 1 1	JED MIN O.C. FOR 3, ADDED ITEM 12	D, SCALE	SHEET CAD DRA	
2 1 2 1 (1) (1) (1) (1) (1) (1) (1) (1	DVED "TYP" FROM EDGE GAP X4, ADDED ITEM 39 X2, ADDED MIN O.C. FOR ITEM 36 X2, ADDED X4, ADDED ITEM 37 X2, ADDED CALLOUT FOR ITEM 28 X3, ADDED ITEM 12 OFFSET, ADDED ITEM 12 TO 48 & ADDED ITEM 61 TO 44 & 4B.	CALLER CONCERCIENCE CONCERCIENCE P. D. BDX 410 SCHDFIELD WISCINSIN 5476-0410	FLANGE FRAME SLEEVE MOUNT HEAD & SILL DETAILS	
42 EIGHT ≤ 96 IN. RAME SLEEVE MOUNT	REV 01: 8/1/24, REMOVI ITEM 27 & 28 OPTION X- 13 & 61 NOTE, ADDED II	1	No. 59092 STATE STATE S	
DUCT REVISED omplying with the Florida ling Code -No. 24-0904.01 ration Date <u>11/01/2029</u> Marco ni-Dade Product Control	1	SE RI 105 Luxe Phor Fax: www Florida I Certifica Wayne I	P 2 7 2024 CCE ENGINEERING School Creek Trail mburg, WI 54217 ne: (920) 617-1042 (920) 617-100 Arice-inc.com Firm No: F-01000005061 te of Authorization: #9090 K. Helmila titon No: 59092	



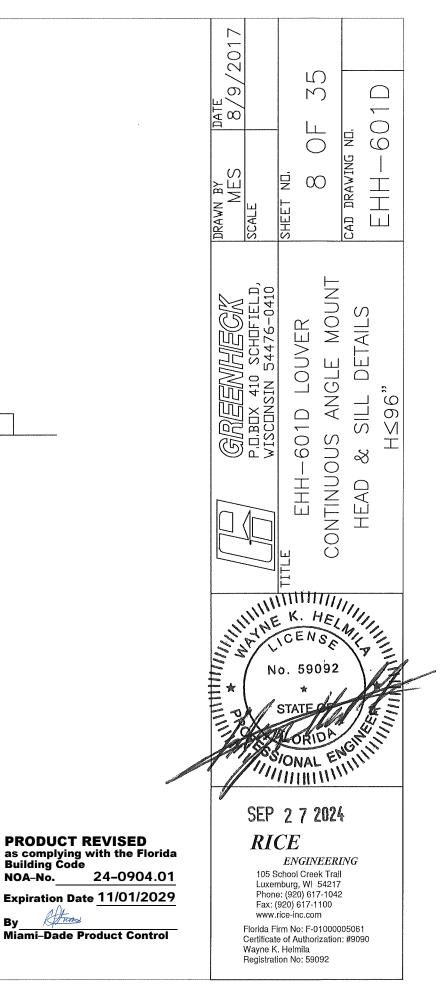
NOA-No.

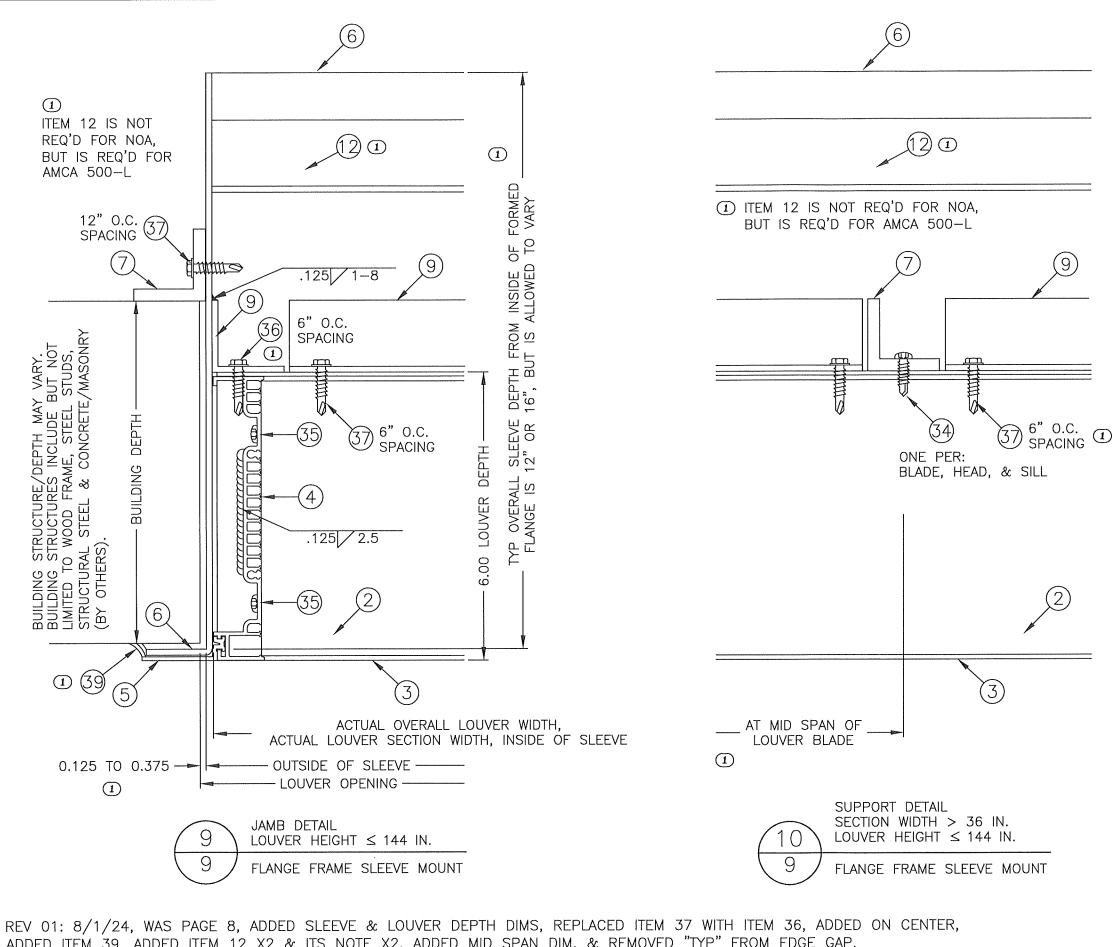
By





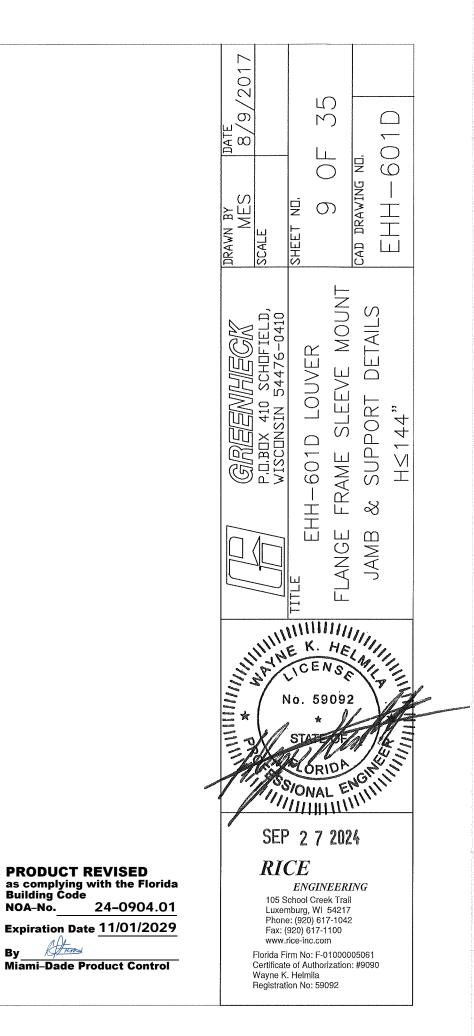
NOA-No.

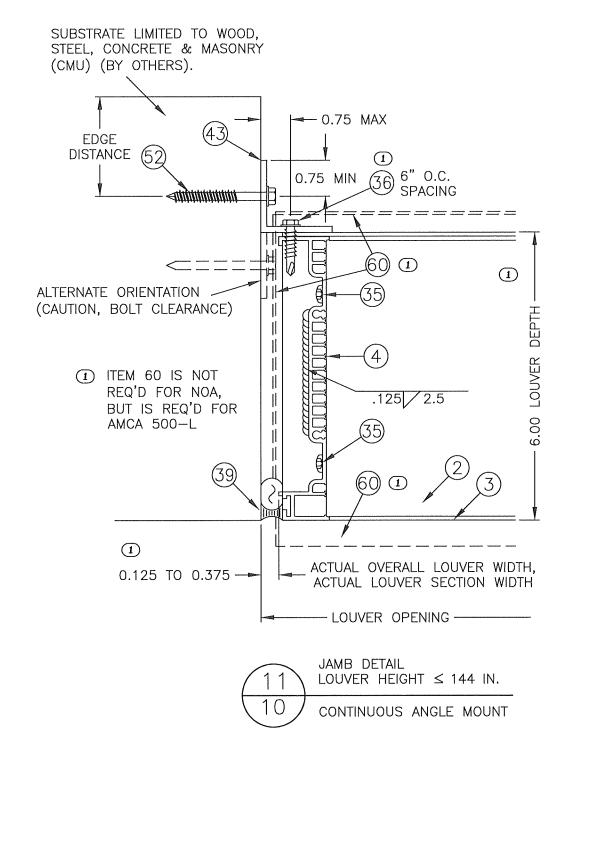


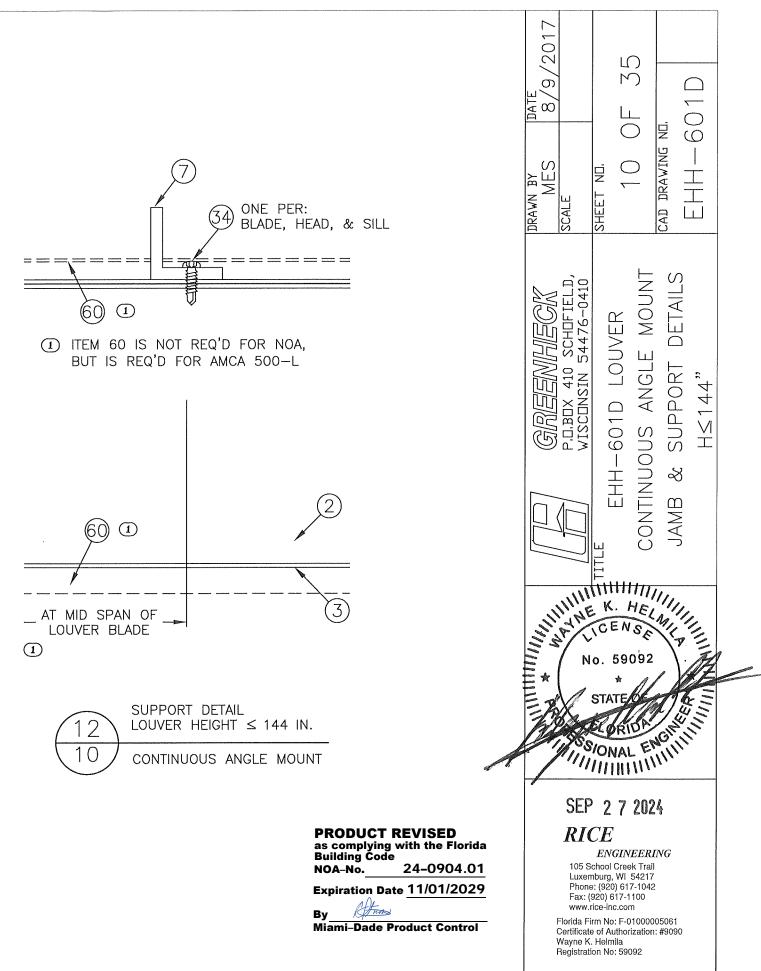


By

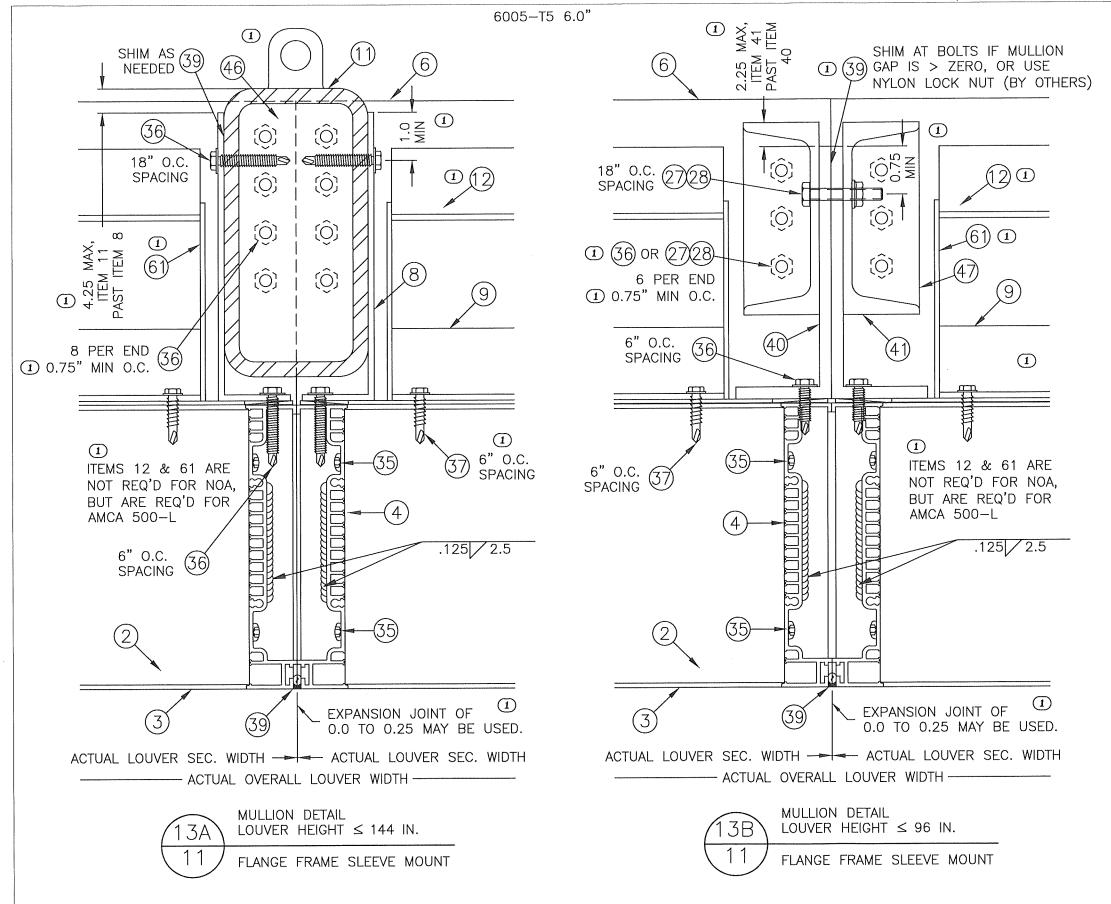
ADDED ITEM 39, ADDED ITEM 12 X2 & ITS NOTE X2, ADDED MID SPAN DIM, & REMOVED "TYP" FROM EDGE GAP.







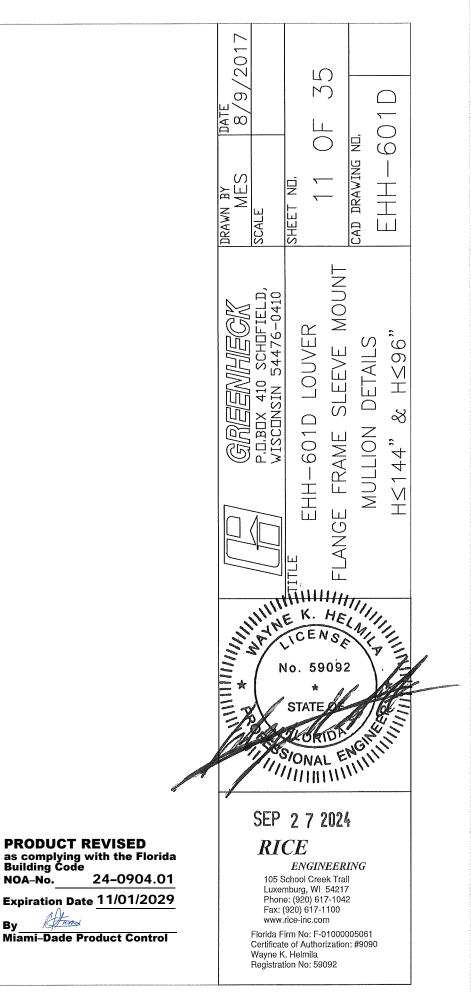
REV 01: 8/1/24, WAS PAGE 9, REPLACED ITEM 37 WITH ITEM 36, ADDED DEPTH DIM, REMOVED "TYP" FROM EDGE GAP, ADDED ITEM 60 X4 & ITS NOTE X2, ADDED MID SPAN DIM, & UPDATED DETAIL 12 TITLE TO 144 IN.

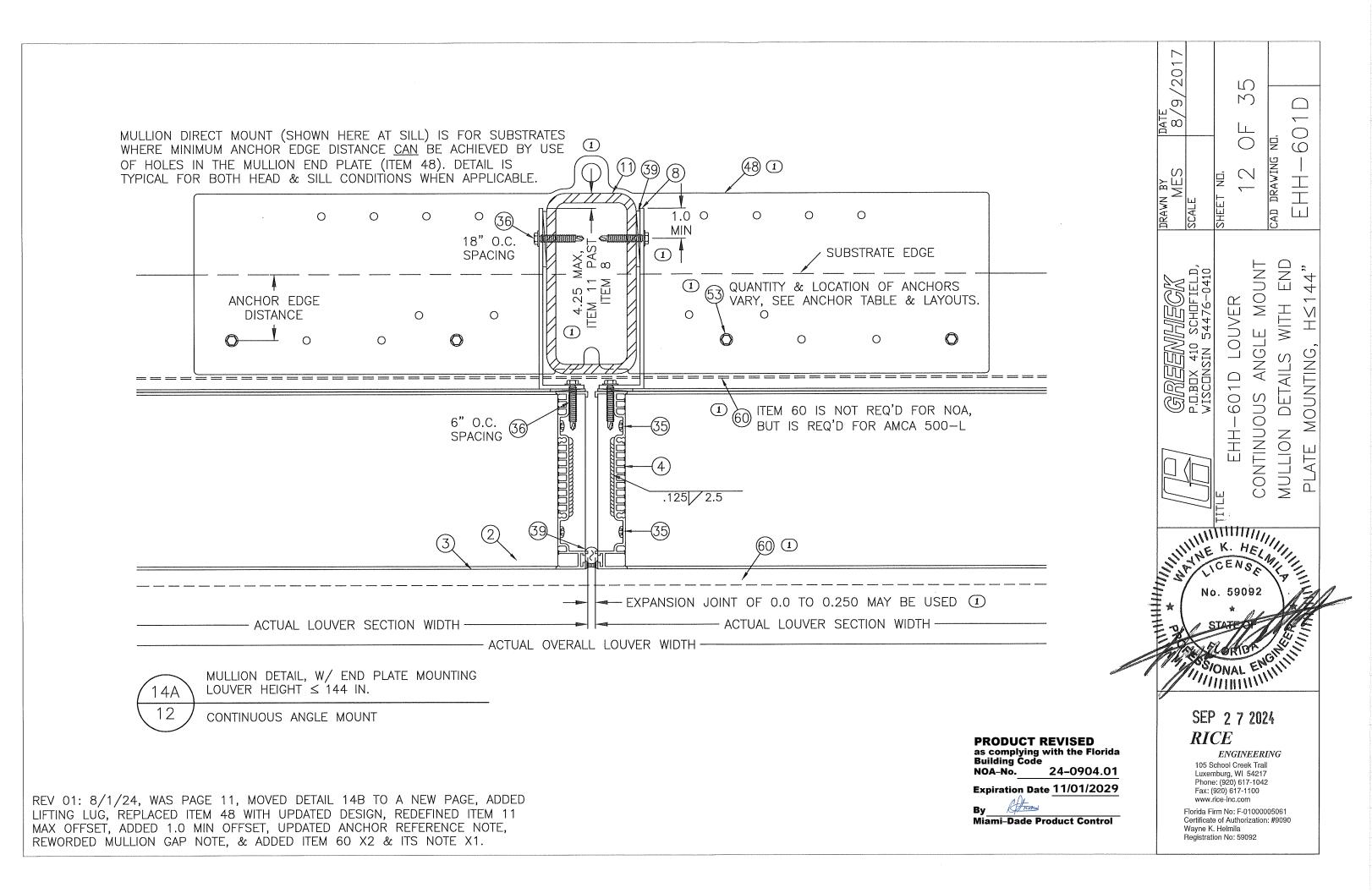


REV 01: 8/1/24, WAS PAGE 10, ADDED LIFTING LUG, REDEFINED ITEM 11 & 41 MAX OFFSETS, ADDED 0.75 & 1.0 MIN OFFSETS, ADDED ITEM 39 CALLOUT, ADDED ON CENTERS OF 6" X1 & 0.75" X2, ADDED ITEM 9 & ETC. TO DETAIL 13B, ADDED ITEM 12 WITH NOTE X2, ADDED ITEM 36 OPTION, ADDED ITEM 61 X4 & ITS CALLOUT X2, & REWORDED MULLION GAP NOTE X2.

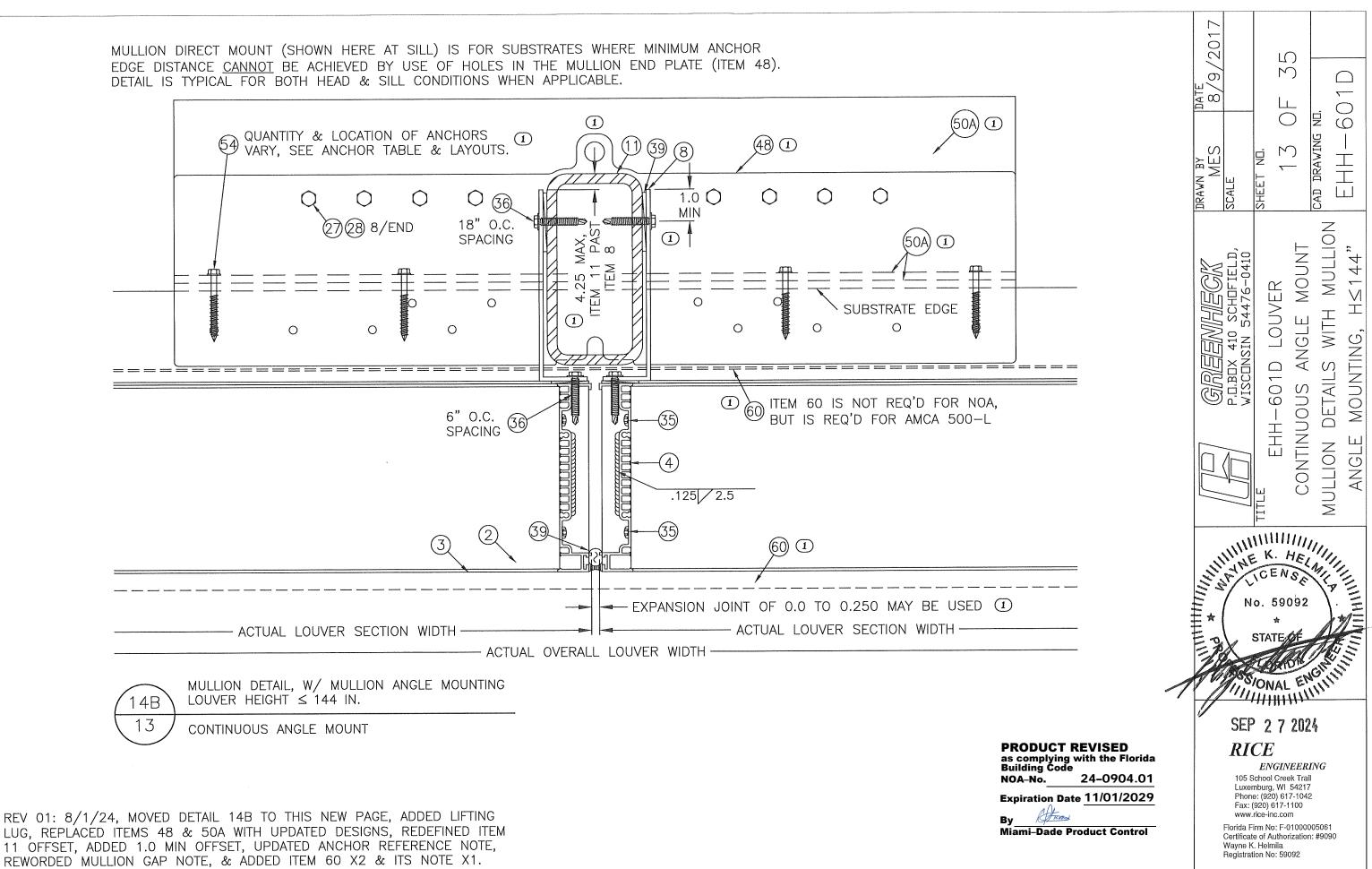
NOA-No.

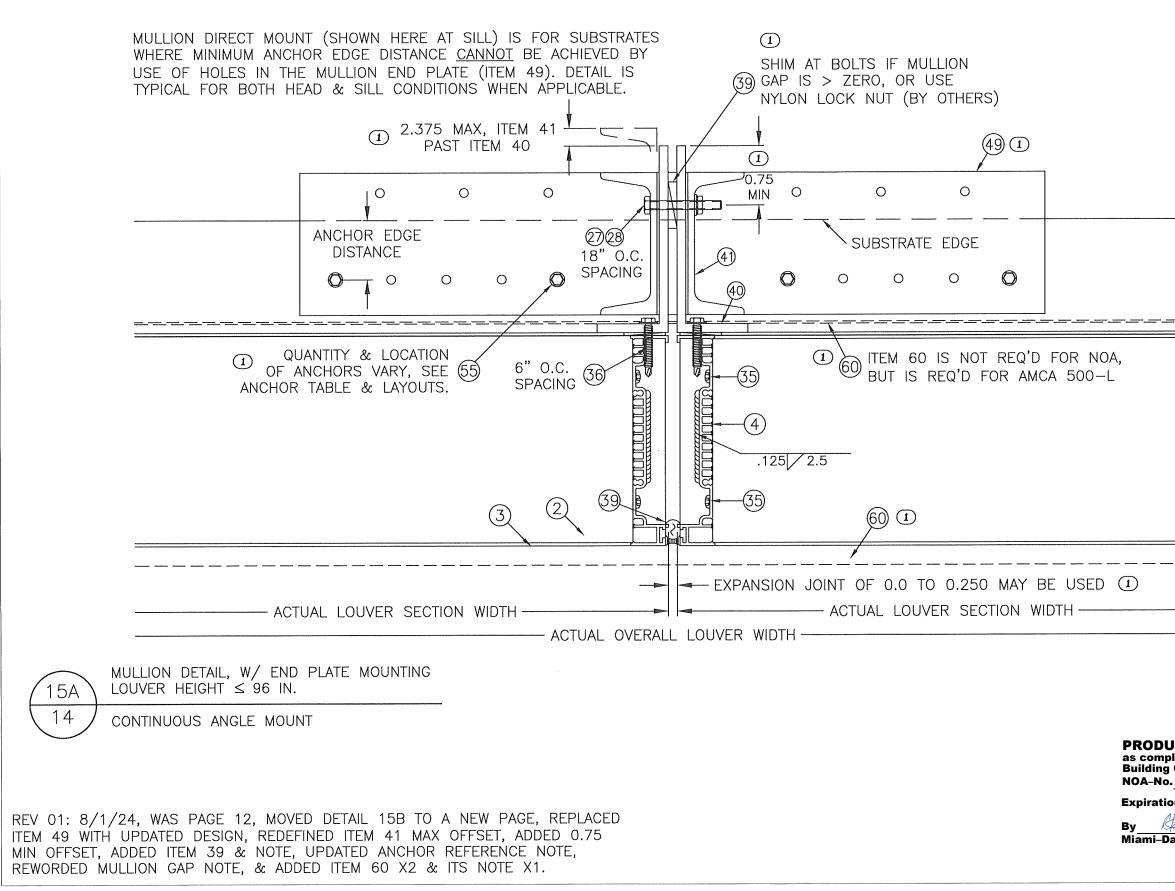
Βv





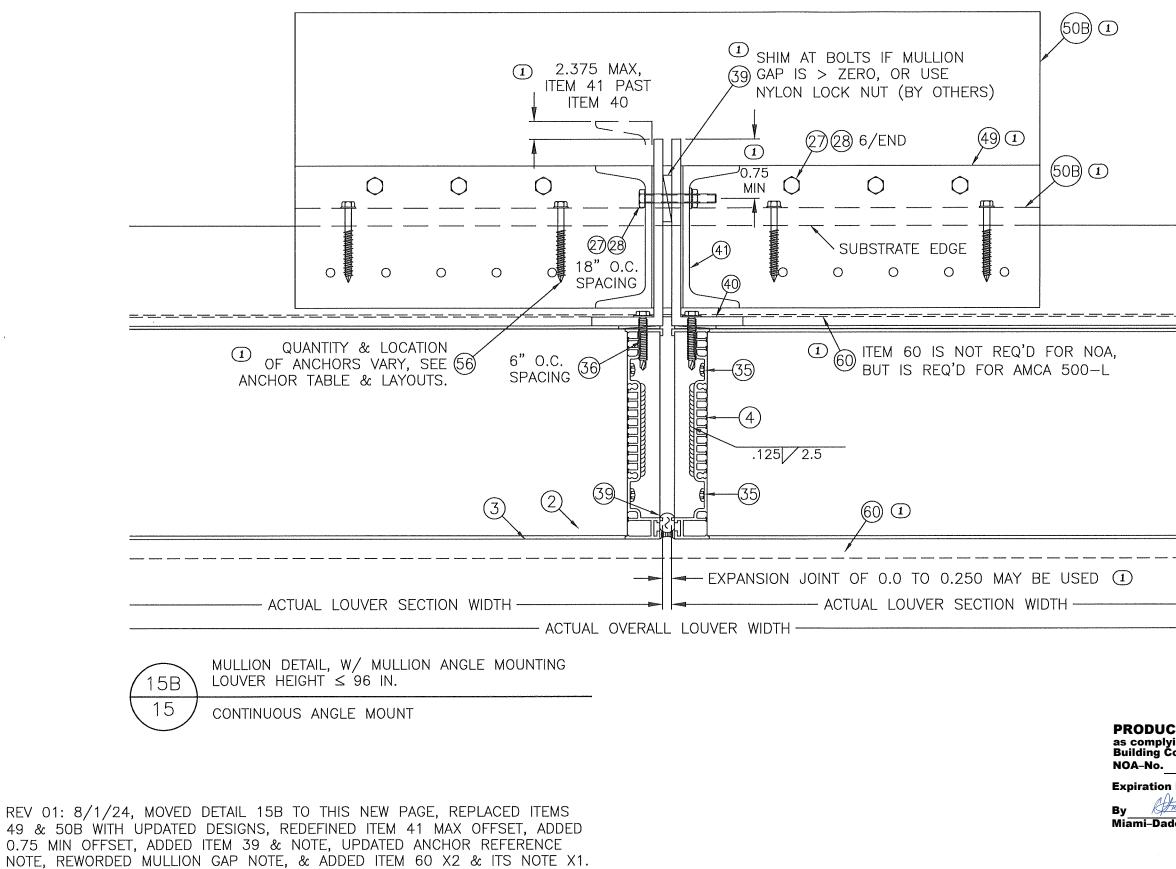
EDGE DISTANCE CANNOT BE ACHIEVED BY USE OF HOLES IN THE MULLION END PLATE (ITEM 48). DETAIL IS TYPICAL FOR BOTH HEAD & SILL CONDITIONS WHEN APPLICABLE.



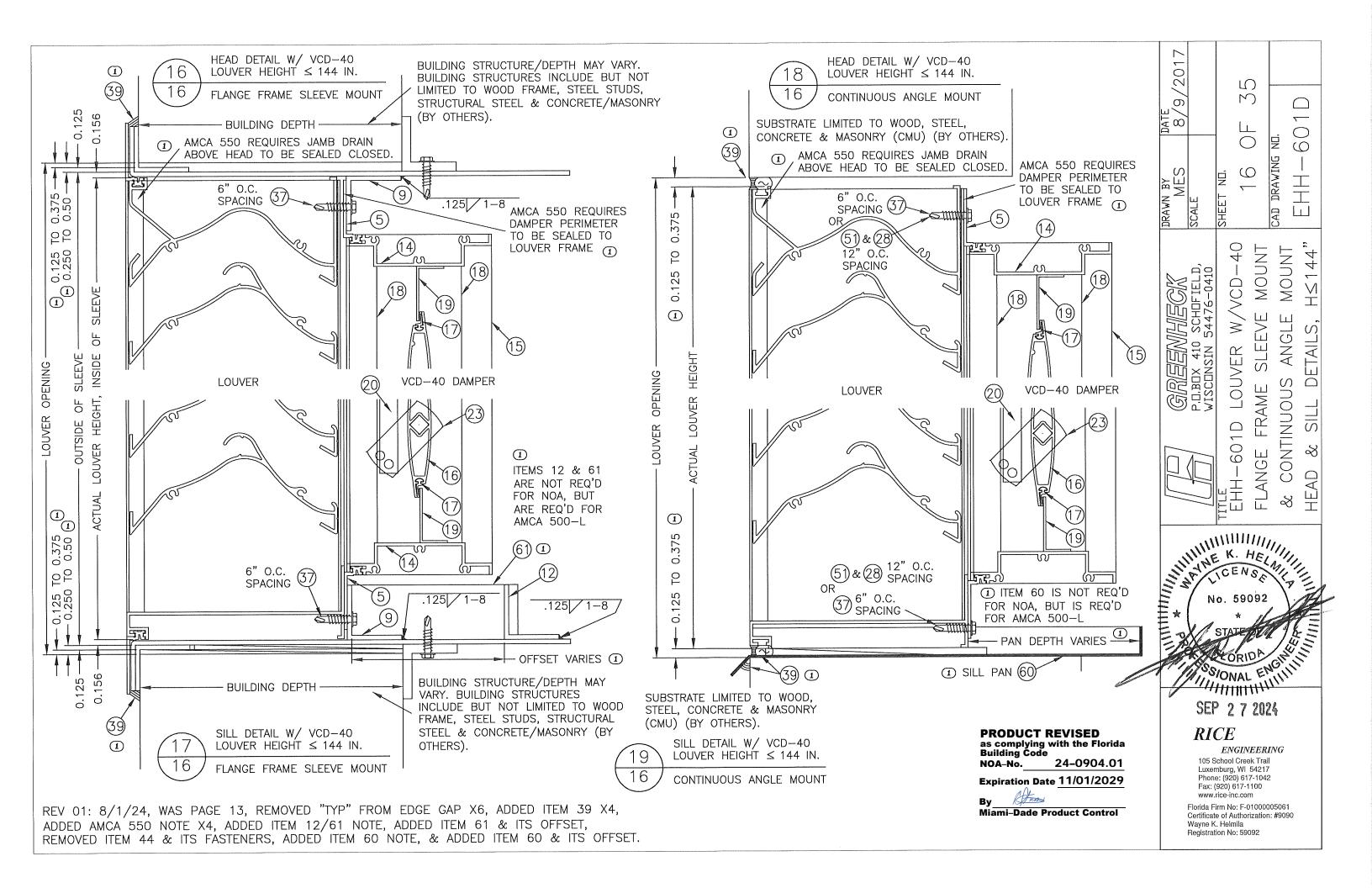


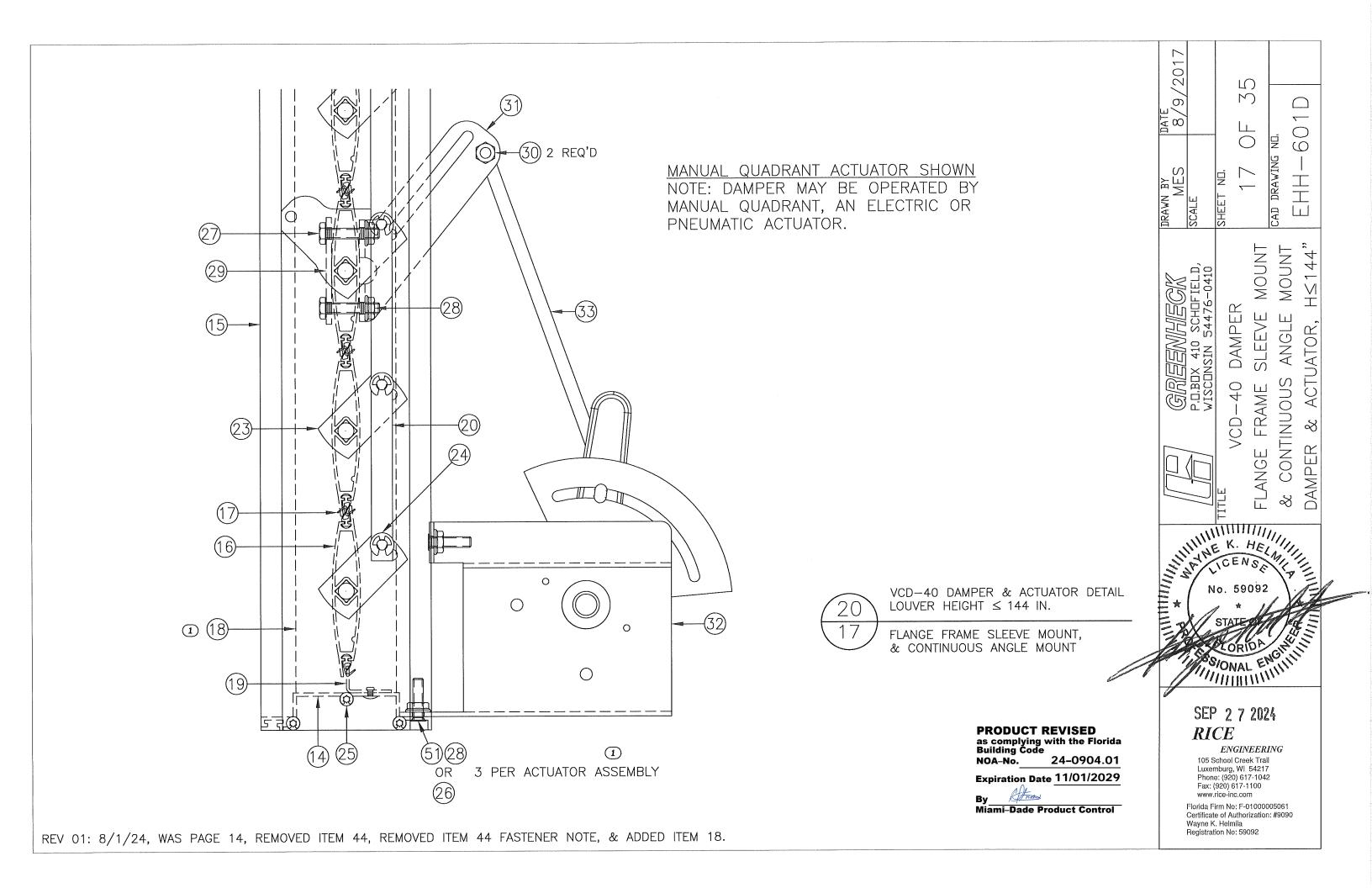
								-
	DRAWN BY DATE MES 8/9/2017	SCALE	SHEET ND,			CAD DRAVING ND.	EHH-601D	
	()) GREENHECK	VISCONSIN 54476-0410		EHH-601U LOUVER	CONTINUOUS ANGLE MOUNT	MULLION DETAILS WITH MULLION	END PLATE MOUNTING, H<96"	
	HILL & PROF	SEF	STAT	AL			In the second se	
UCT REVISED olying with the Florida Code 24-0904.01 on Date <u>11/01/2029</u> Jack Product Control		Luxer	EN school nburg e: (92 920) rice-ir irm Ne e of A . Heir	GIN Cree , WI 0) 611 617-1 nc.cor nc.cor n: F-0 uthor nila	n 10000 ization	05061)	

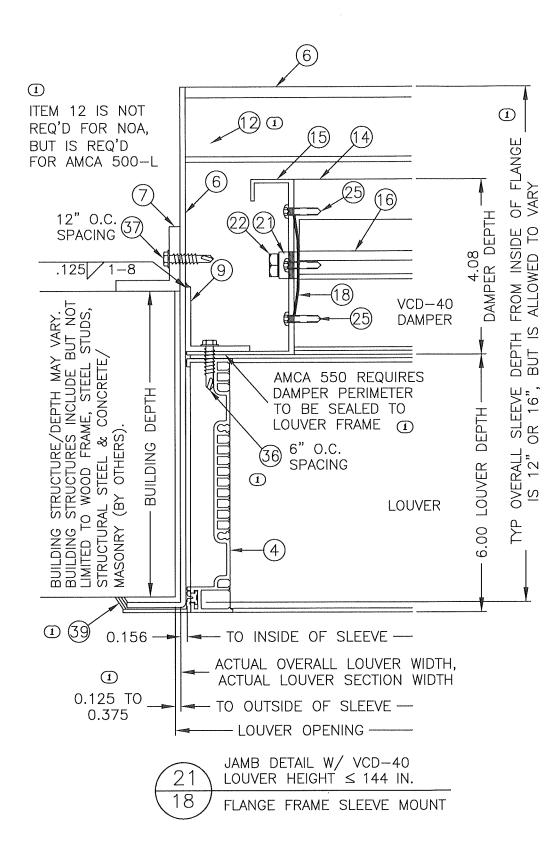
MULLION DIRECT MOUNT (SHOWN HERE AT SILL) IS FOR SUBSTRATES WHERE MINIMUM ANCHOR EDGE DISTANCE <u>CANNOT</u> BE ACHIEVED BY USE OF HOLES IN THE MULLION END PLATE (ITEM 49). DETAIL IS TYPICAL FOR BOTH HEAD & SILL CONDITIONS WHEN APPLICABLE.



ring with the Florida RICE code ENGINEERING 24-0904.01 105 School Creek Trail Date 11/01/2029 Luxemburg, WI 54217 Phone: (920) 617-1042 End (920) 617-1042									
CT REVISED ring with the Florida 24-0904.01 Date 11/01/2029 Herefore (920) 617-1100 Www.rice-inc.com Florida Firm No: F-01000005061 Certificate of Authorization: #9090 Wayne K. Heimlia		BY AES	SCALE	SHEET ND,			CAD DRAWING ND.	EHH-601D	
CT REVISED ring with the Florida 24-0904.01 Date 11/01/2029 Here de Product Control				TITLE					
Certificate of Authorization: #9090 Wayne K. Helmila	Date <u>11/01/2029</u>		SEP RIC	SI Volution CE EN chool hburg 920)	* VAN VAN UIII GIVJ Cree , WI 9 0) 617-1	EERII k Traill k Traill k Traill 100	JULI I		
	ue Product Control	(Certificate Nayne K.	e of A Heln	uthori nila	zation			







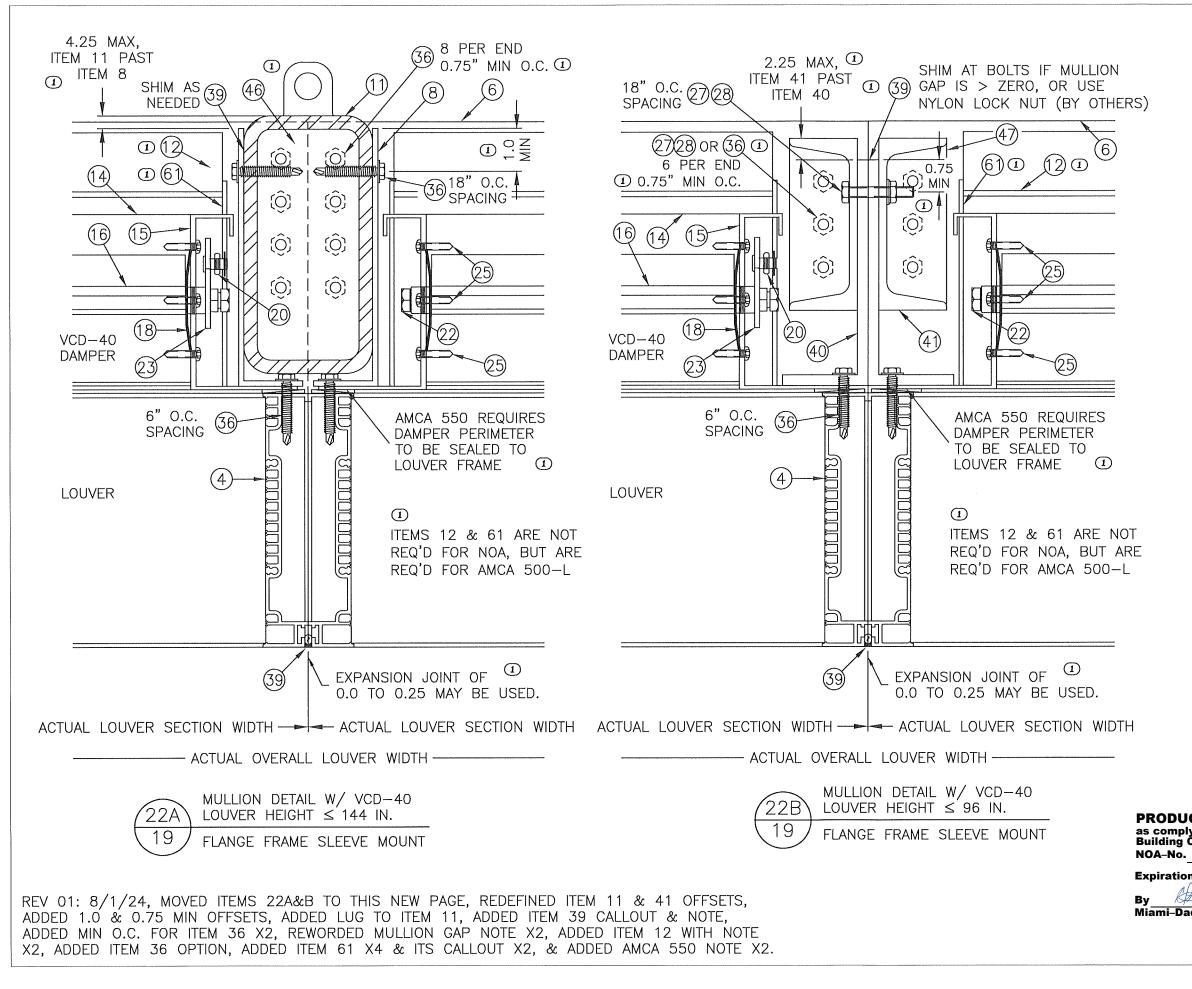
PRODU as compl Building NOA-No.

Expiration

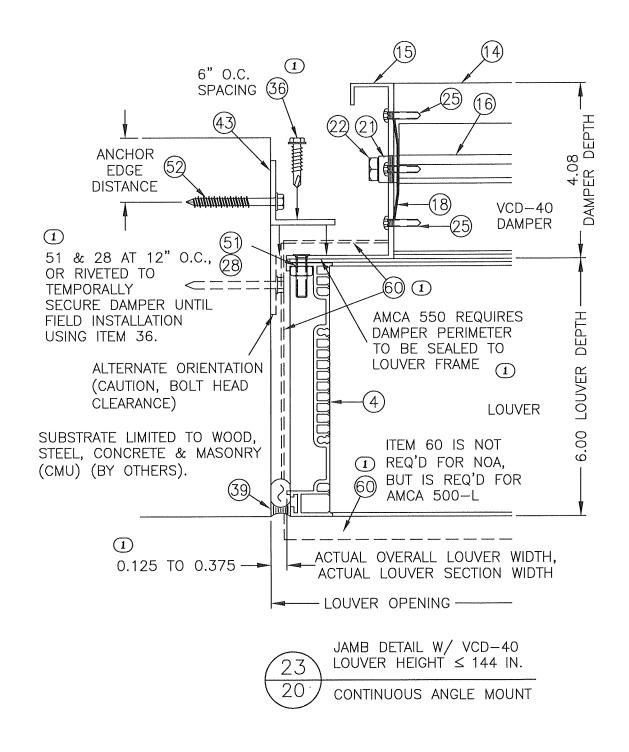
By_____ Miami-Da

REV 01: 8/1/24, WAS PAGE 15, MOVED DETAILS 22A&B TO A NEW PAGE, REPLACED ITEM 37 WITH ITEM 36, ADDED SLEEVE DEPTH DIM, ADDED ITEM 39, REMOVED "TYP" FROM EDGE GAP, ADDED ITEM 12 WITH NOTE, & ADDED AMCA 550 NOTE.

	DRAWN BY DATE MES 8/9/2017	SCALE	SHEET ND.	18 OF 35	F	ישא האוזאניה האם	EHH-601D	
	(1) GRIEENIHIEGK	VICANSIN 54476-0410 SCAID		Y = EHH-601D LOUVER W/VCD-40	THE FLANGE FRAME SLEEVE MOUNT	JAMB DETAILS	H<144"	
			10. ST/	EN, 590 * ATE C NAL	SE 192	GIN		
JCT REVISED Blying with the Florida Code 24–0904.01 on Date <u>11/01/2029</u> Heres ade Product Control	-	105 S Luxer Phone Fax: (EN CE EN cchool nburg e: (92 920) rice-ir irm Ni e of A . Helr	GIIVE GIIVE Creek WI 54 0) 617- 617-110 nc.com o: F-010 uthoriza nila	ERIN Trail 4217 1042 00 000008 ation: 4	/ <i>G</i> 5061		







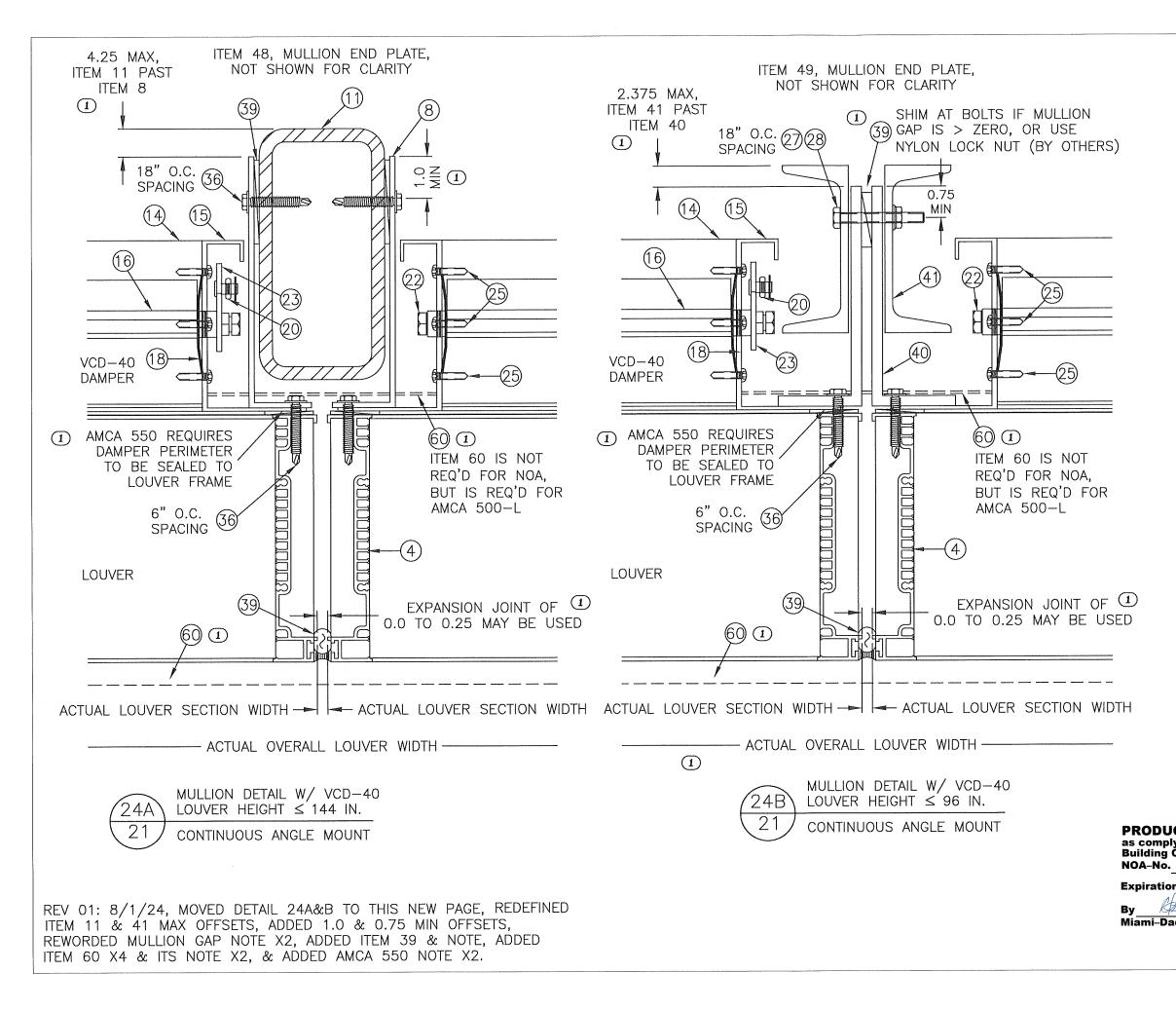
PRODUC as complyi Building Co NOA–No.

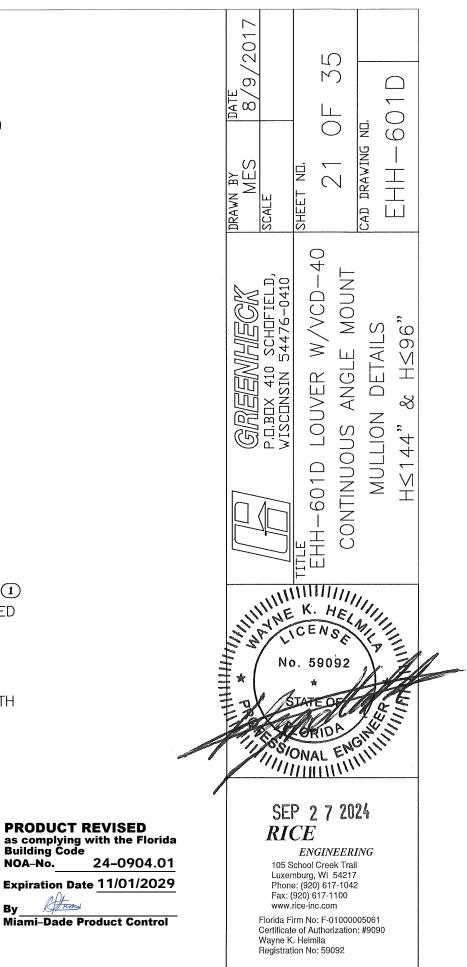
Expiration

By Miami-Dade

REV 01: 8/1/24, WAS PAGE 16, MOVED DETAILS 24A&B TO A NEW PAGE, REPLACED ITEM 37 WITH ITEM 36, ADDED DAMPER RIVET ATTACHMENT NOTE, REMOVED "TYP" FROM EDGE GAP, ADDED ITEM 60 X2 & ITS NOTE, & ADDED AMCA 550 NOTE.

Ing Code ENGINEERING -No. 24–0904.01 105 School Creek Trail Luxemburg WI 54017 105 School Creek Trail		
DUCT REVISED omplying with the Florida ing Code No. 24-0904.01 ration Date 11/01/2029 Jin-Dade Product Control		
DUCT REVISED omplying with the Florida ing Code No. 24-0904.01 ration Date 11/01/2029 Jin-Dade Product Control		
DUCT REVISED Duplying with the Florida ling Code No. 24–0904.01 ration Date 11/01/2029 Junt ii-Dade Product Control SEP 2 7 2024 <i>RICE</i> <i>ENGINEERING</i> 105 School Creek Trail Luxemburg, WI 54217 Phone: (920) 617-1042 Fax: (920) 617-1100 www.rice-inc.com Florida Firm No: F-01000005061 Certificate of Authorization: #9090 Wayne K. Helmila		E HILLINE K. HELA HILLICENSE No. 59092
Certificate of Authorization: #9090 Wayne K. Helmila	omplying with the Florida ling Code -No. <u>24–0904.01</u> ration Date <u>11/01/2029</u>	SEP 2 7 2024 <i>RICE</i> 105 School Creek Trail Luxemburg, WI 54217 Phone: (920) 617-1042 Fax: (920) 617-1100 www.rice-inc.com
	Saue Froudet Control	Certificate of Authorization: #9090 Wayne K. Helmila





NOTES:

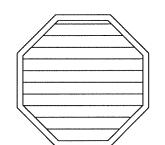
1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN AND HAVE CORNER CONSTRUCTION AS DESCRIBED ON ALL SHEETS.

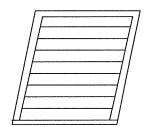
2. ALL SHAPED LOUVER SECTIONS ARE RESTRICTED TO THE SAME SECTION WIDTH AND PRESSURE AS THE RECTANGULAR LOUVER SECTIONS AND MAY BE STACKED VERTICALLY AND HORIZONTALLY THE SAME AS THE RECTANGULAR SECTIONS.

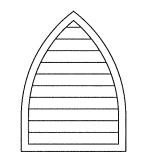
3. BLADE SUPPORT ANGLE IS REQUIRED WHEN SECTION WIDTH EXCEEDS 36". (1)

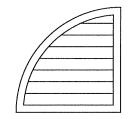
4. ALL SLOPED AND CURVED JAMBS OF SHAPED SECTIONS REQUIRE ATTACHMENT TO THE SUBSTRATE IN THE SAME MANNER AS VERTICAL JAMBS AS SPECIFIED IN THESE DRAWINGS. A FRAME MEMBER IS CONSIDERED A JAMB IF A BLADE TERMINATES INTO THE FRAME MEMBER. (1)

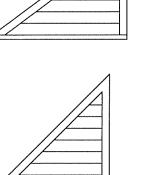
5. VCD-40 DAMPER ONLY ALLOWED ON SQUARE AND RECTANGULAR SHAPES. (1)





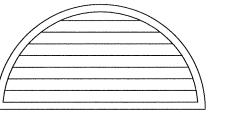


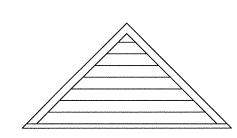


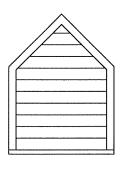


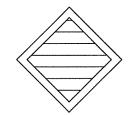
(1)

EXAMPLE SHAPES, OTHERS AVAILABLE









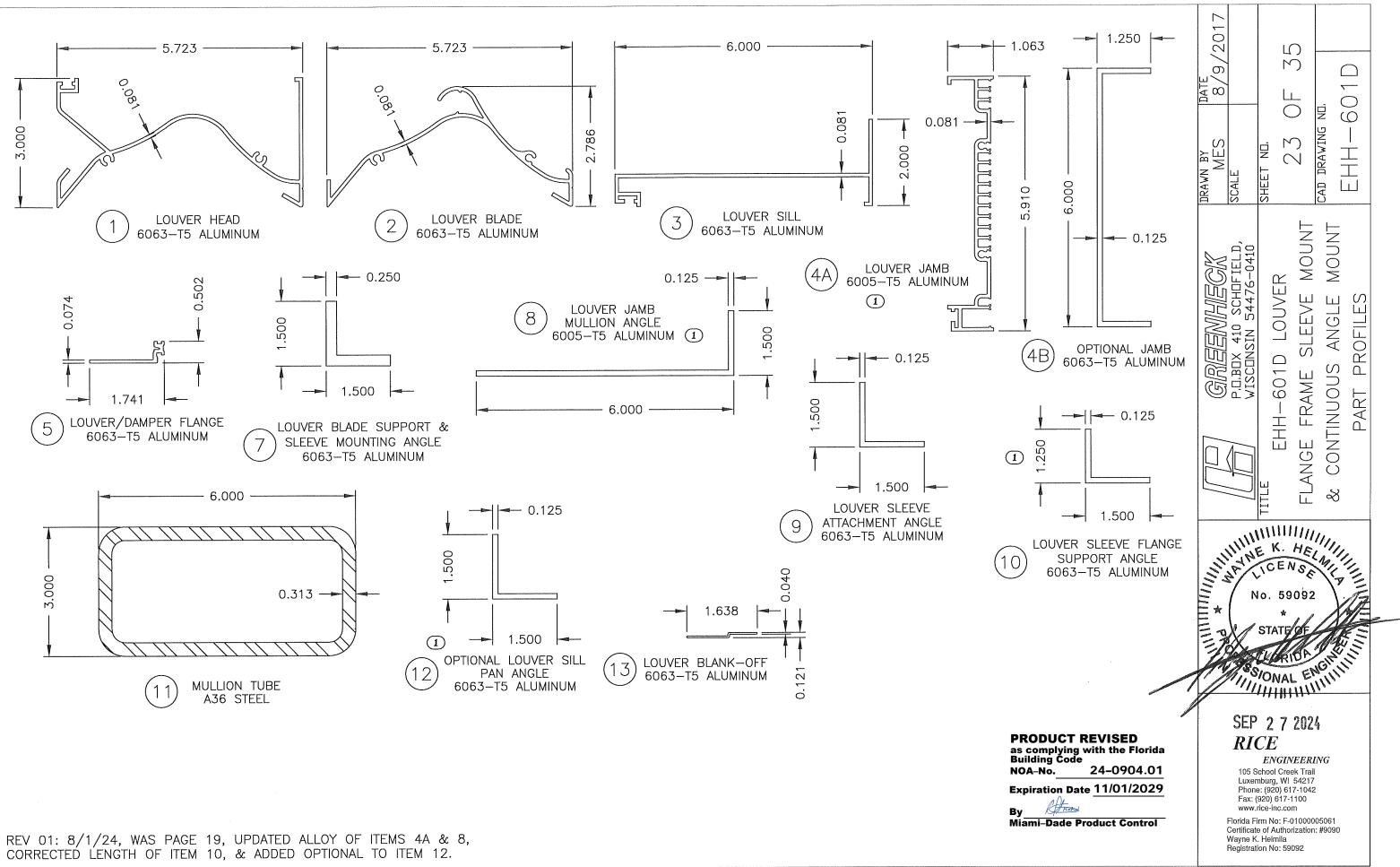


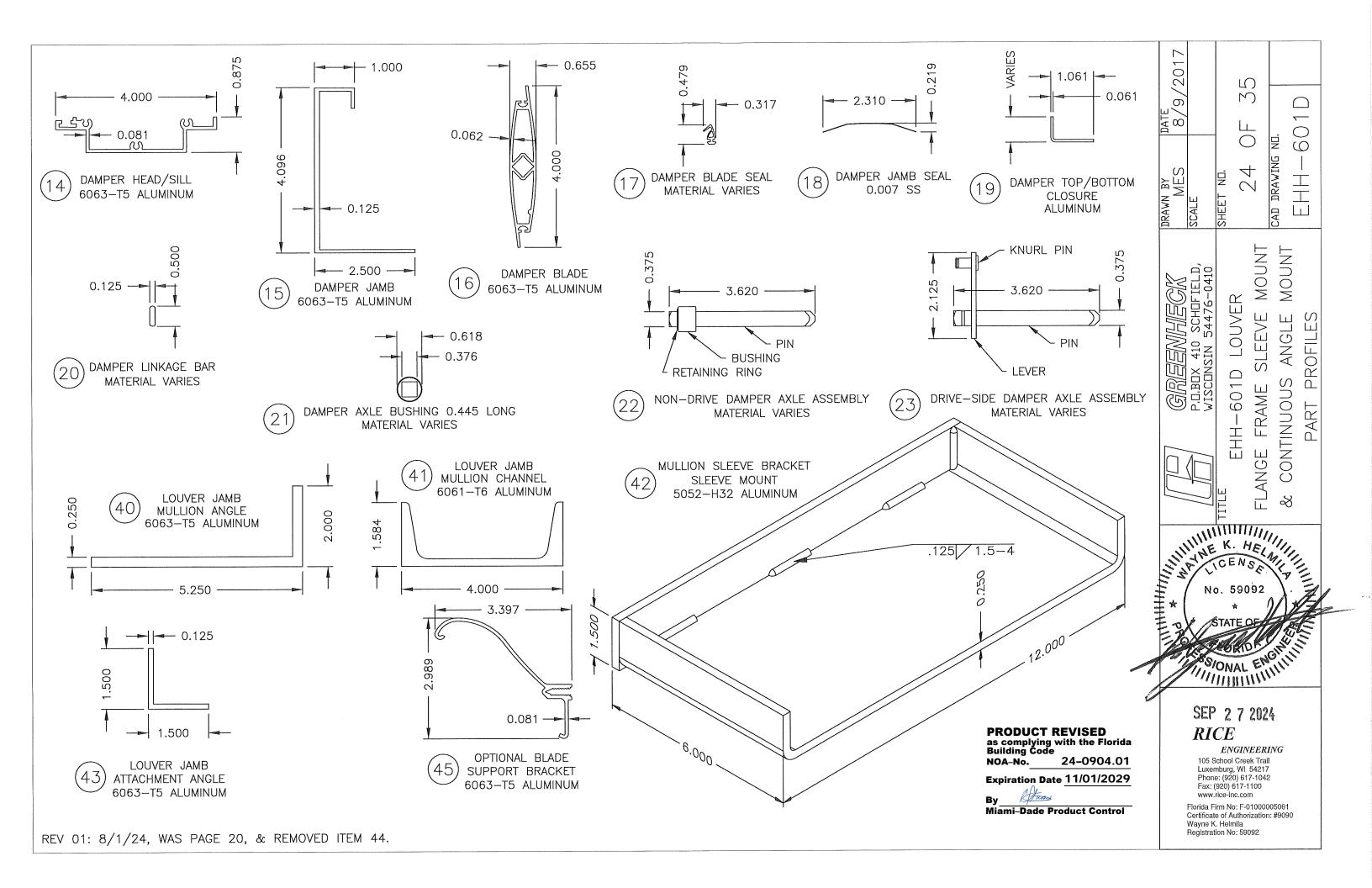
Expiration Date

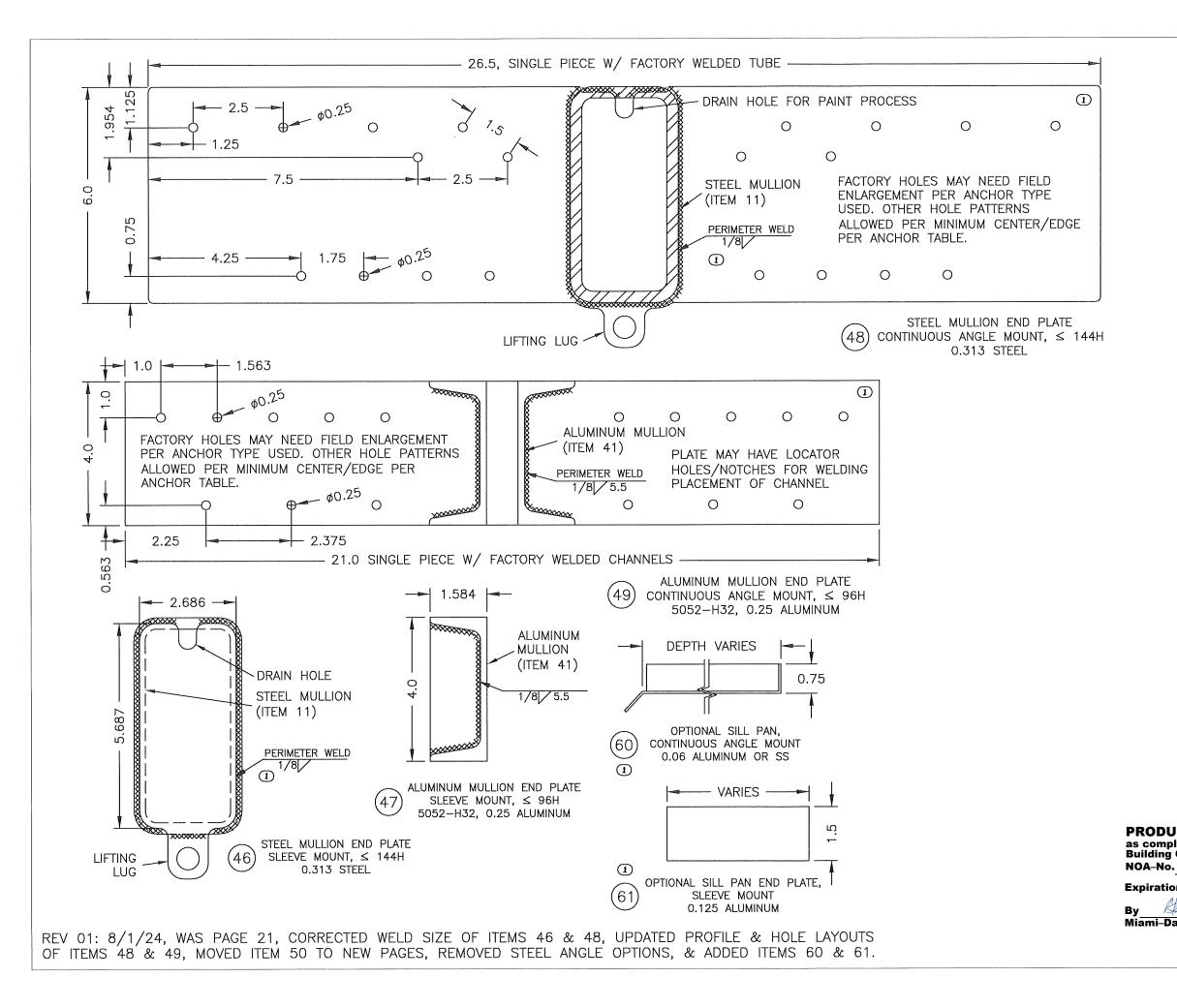
By Hims Miami-Dade Pr

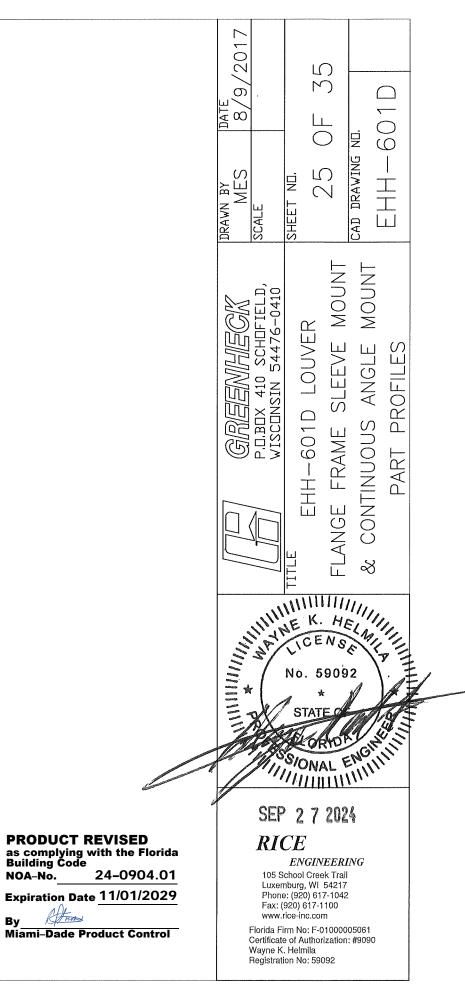
REV 01: 8/1/24, WAS PAGE 17, UPDATED TITLE, REMOVED BRACKETS FROM NOTE 3, & ADDED NOTES 4 & 5.

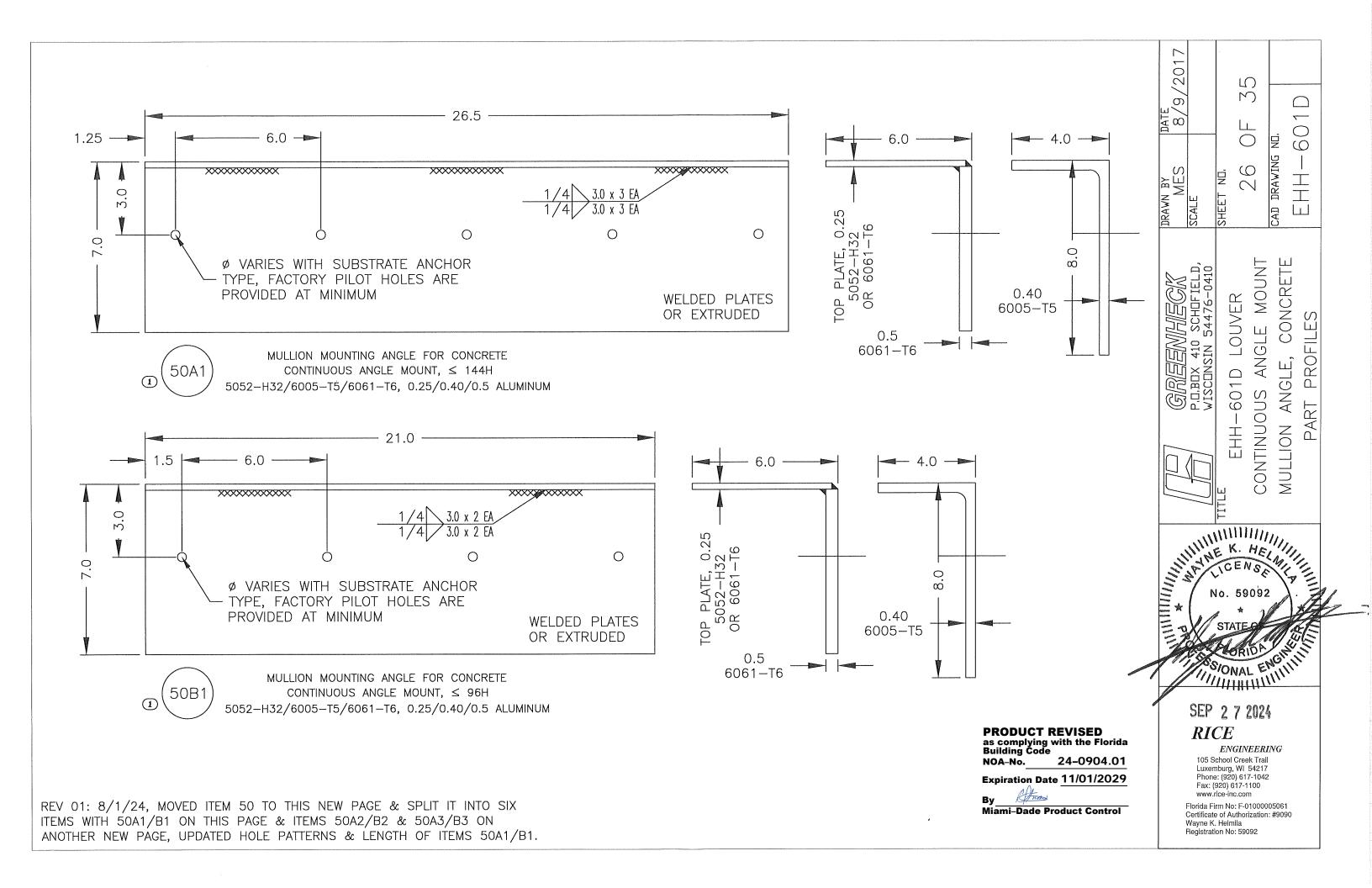
	T	1				r			1
	DRAWN BY DATE MES 8/9/2017	SCALE	SHEET ND,	оо ОГ ЗД		CAD DRAVING ND.			
	[1] GREENHEGK	VICT P.D.BDX 410 SCHDFIELD, WISCONSIN 54476-0410		EHH-601D LOUVER	FLANGE FRAME SLEEVE MOUNT	& CONTINITOLIS ANCLE MOTINIT		AVAILABLE SHAPES, H<144"	
			0.	\$ \$	HE SE 092	111	V	A	1
REVISED with the Florida 24–0904.01 e 11/01/2029 roduct Control	(SEP RIC	2 EN chool burg : (92) ice-ir m No of A Heln	<i>GIN</i> Cree , WI 9 0) 617 617-1 5: F-0 uthori nila	EERL k Trail 54217 7-1042 100 1 100000 zation:	NG 05061			

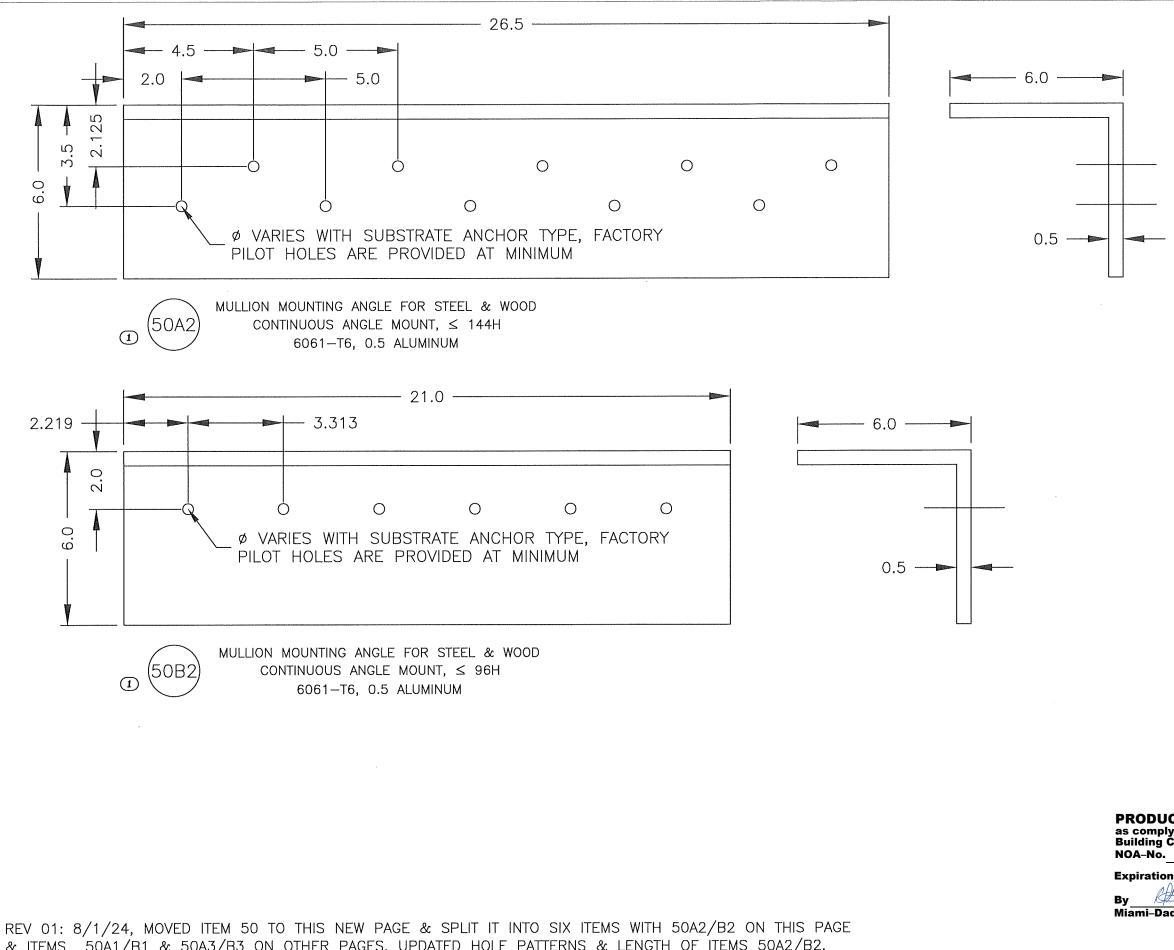




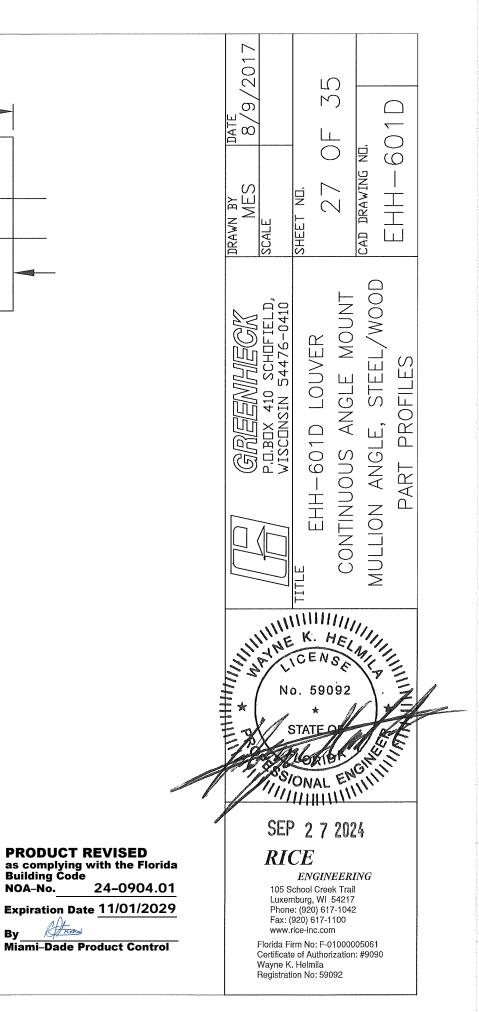


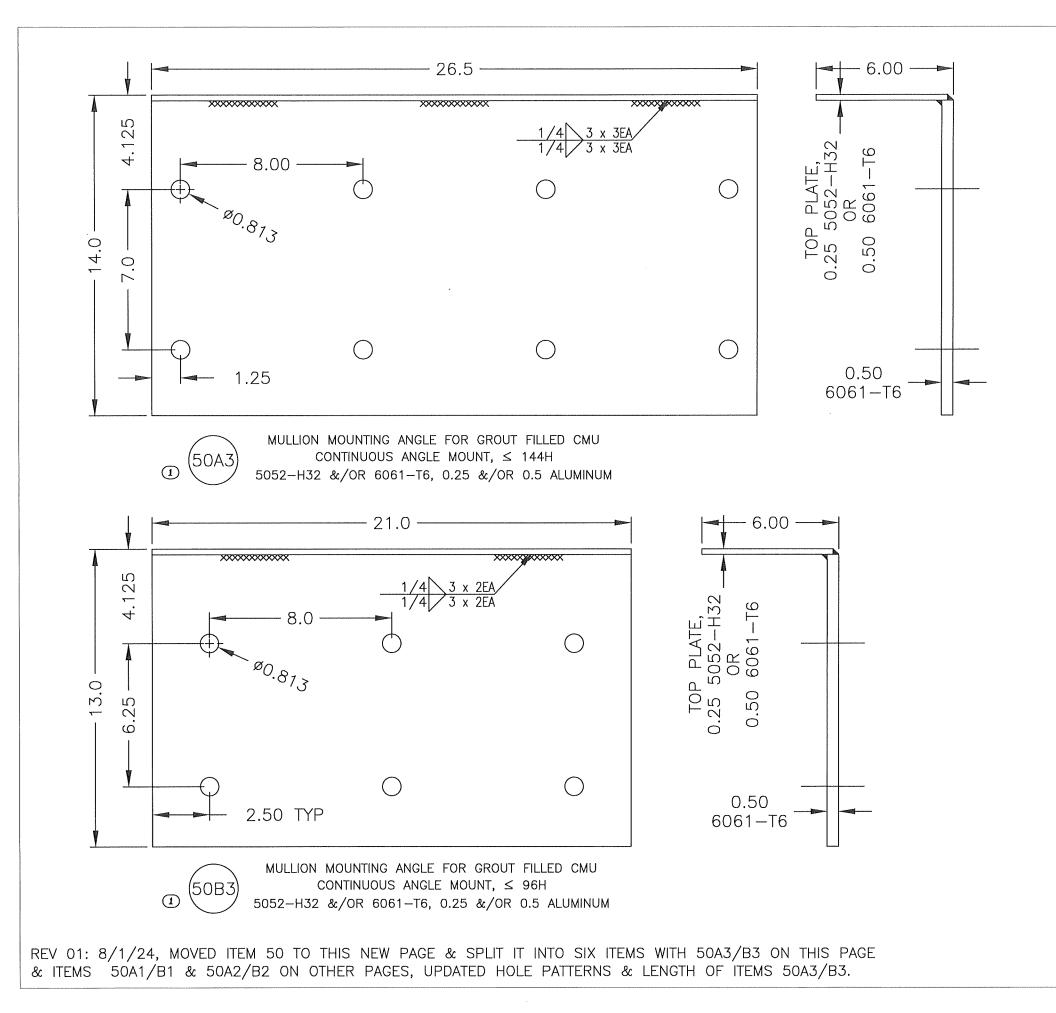






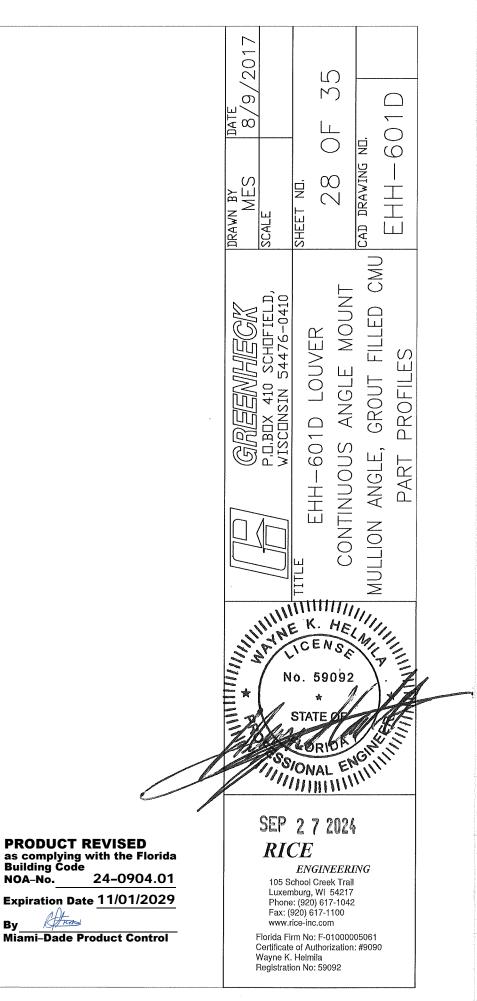
& ITEMS 50A1/B1 & 50A3/B3 ON OTHER PAGES, UPDATED HOLE PATTERNS & LENGTH OF ITEMS 50A2/B2.

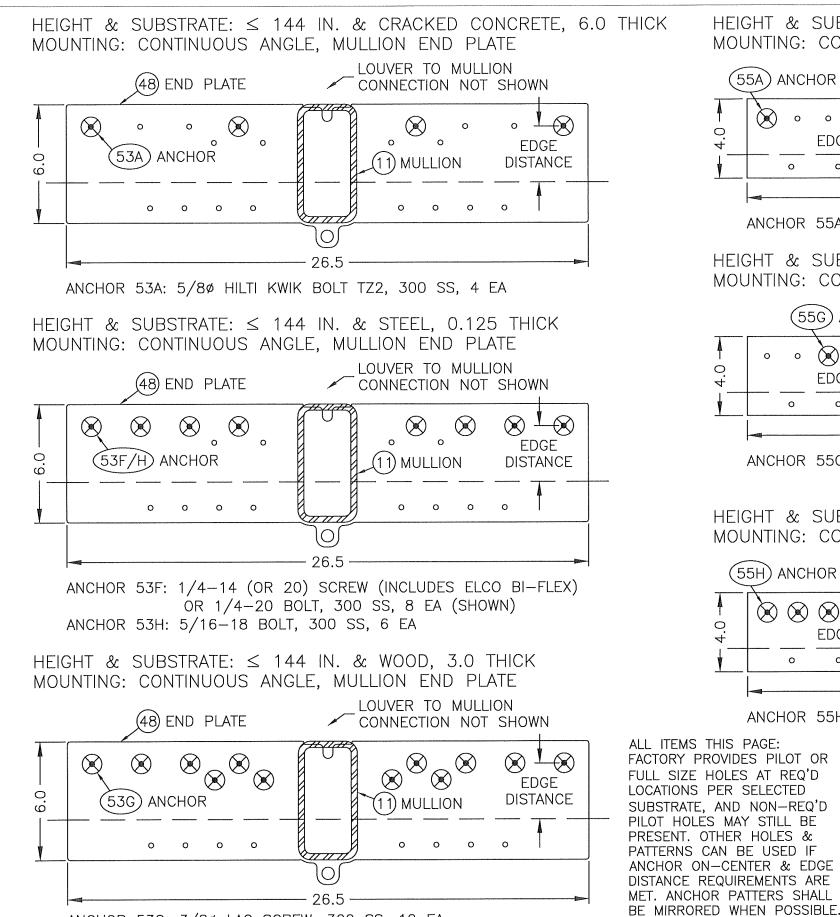




NOA-No.

By



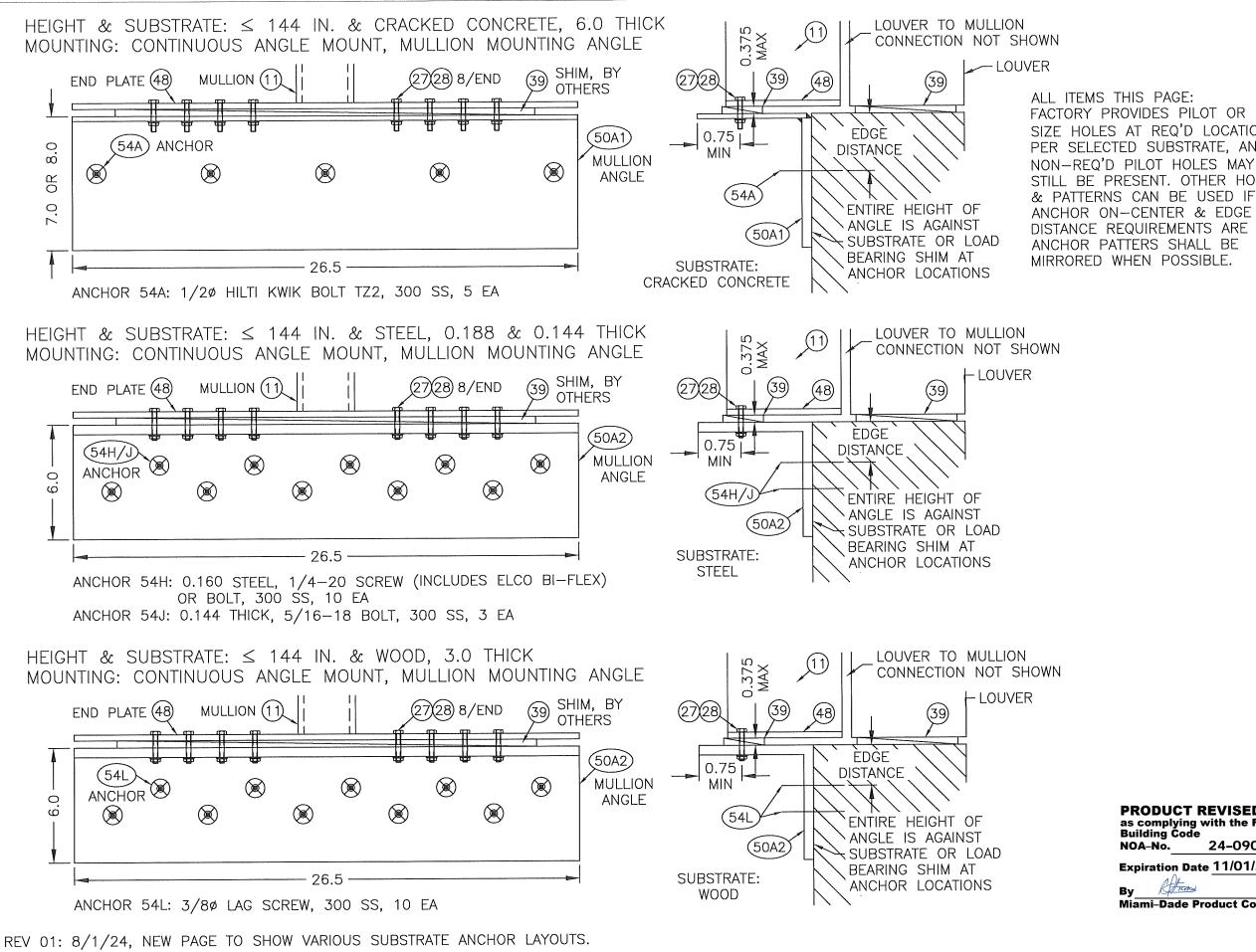


ANCHOR 53G: 3/8ø LAG SCREW, 300 SS, 12 EA

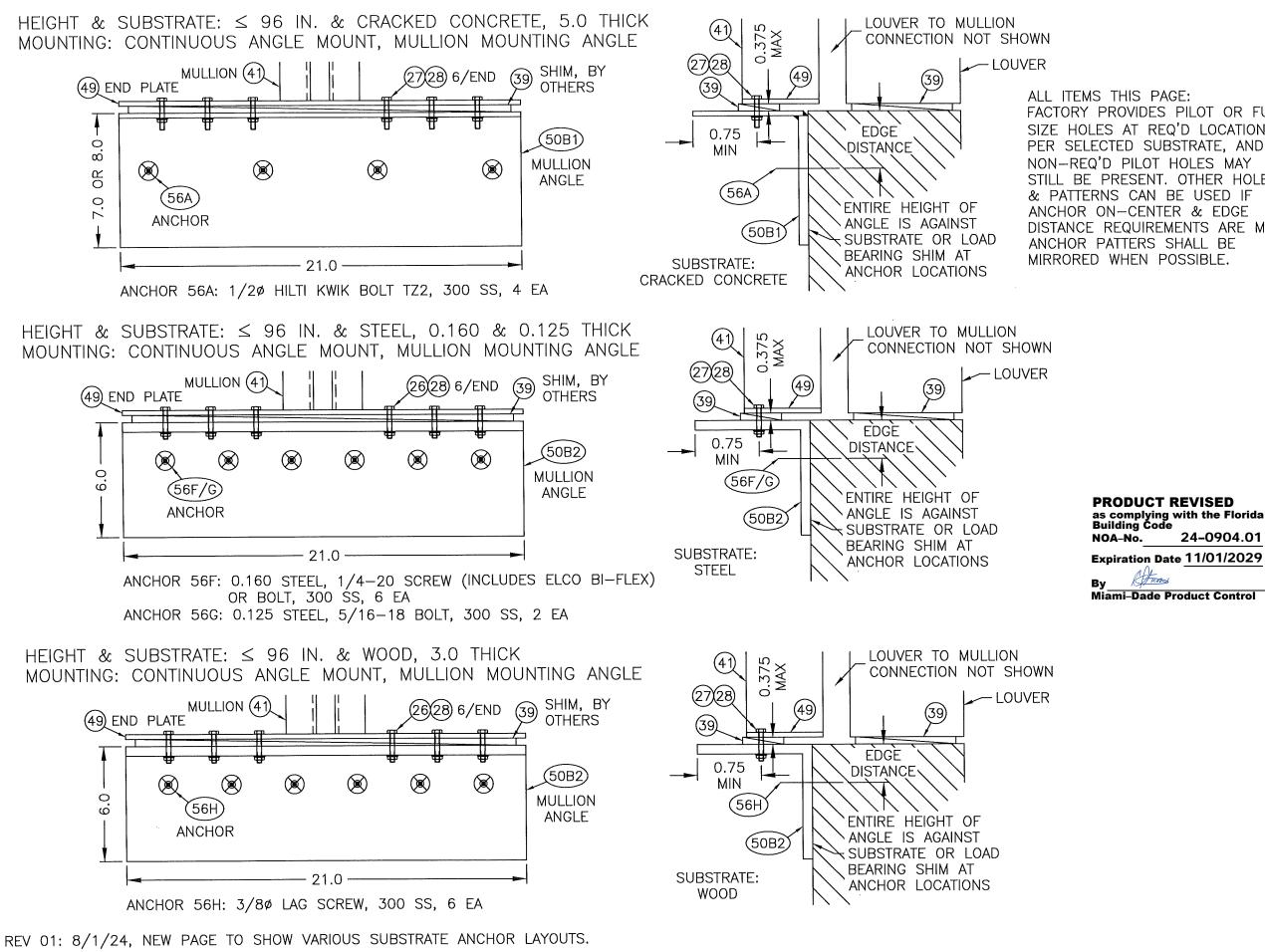
REV 01: 8/1/24, NEW PAGE TO SHOW VARIOUS SUBSTRATE ANCHOR LAYOUTS.

HEIGHT & SUBSTRATE: ≤ 96 & CRACKED CONC MOUNTING: CONTINUOUS ANGLE, MULLION END LOUVER TO MULLION 55A) ANCHOR CONNECTION NOT SHO $\langle \mathbf{X} \rangle$ • <u>I</u> $(\mathbf{x}) \circ \circ \circ (\mathbf{x})$ 0 0 Ο (41) MULLION EDGE DISTANCE 0 0 0 0 21.0 ANCHOR 55A: 1/20 HILTI KWIK BOLT TZ2, 300 SS, HEIGHT & SUBSTRATE: \leq 96 IN. & STEEL, 0.1 MOUNTING: CONTINUOUS ANGLE, MULLION END LOUVER TO MULLION (55G) ANCHOR CONNECTION NOT SHO $\otimes \otimes \otimes$ $\otimes \otimes \otimes$ 0 0 0 0 0 (41) MULLION EDGE DISTANCE ο ο о 0 - 21.0 ANCHOR 55G: 1/4-14 (OR 20) SCREW (INCLUDES OR 1/4-20 BOLT, 300 SS, 6 EA HEIGHT & SUBSTRATE: \leq 96 IN. & WOOD, 3.0 MOUNTING: CONTINUOUS ANGLE, MULLION END LOUVER TO MULLION (55H) ANCHOR CONNECTION NOT SHO $\otimes \otimes \otimes \otimes \otimes \otimes$ \otimes \otimes \otimes \otimes \otimes Ο (41) MULLION EDGE DISTANCE 0 0 0 ο 0 21.0 ANCHOR 55H: 3/8ø LAG SCREW, 300 SS, 10 EA ALL ITEMS THIS PAGE: FACTORY PROVIDES PILOT OR FULL SIZE HOLES AT REQ'D

CONCRETE, 5.0 THICK END PLATE LION OT SHOWN • (49) END PLATE • • • • • • • • • • • • •	DRAWN BY DATE MES 8/9/2017 Scale	sheet ng. 29 OF 35 cad drawing ng. EHH—601D	
, 0.125 THICK END PLATE LLION DT SHOWN • • (49) END PLATE • JDES ELCO BI-FLEX) EA , 3.0 THICK END PLATE LLION DT SHOWN	GREENHECK P.D.BDX 410 SCHOFIELD, WISCONSIN 54476-0410	TTLE EHH- CONTINUO MULLION EI MULLION EI	
Image: Showing of the sho	* S SSIC SSIC SSIC SSIC SSIC SSIC SSIC SS	K. HE Second Second Se	



20. \Box M ດ \square <u>____</u> <u>6</u> 00 \bigcirc FACTORY PROVIDES PILOT OR FULL \bigcirc Ð \odot SIZE HOLES AT REQ'D LOCATIONS DRAWING PER SELECTED SUBSTRATE, AND S \bigcirc R M STILL BE PRESENT. OTHER HOLES DRAWN **NHFFT** SCALE CAD DISTANCE REQUIREMENTS ARE MET. ഗ LAYOUT MOUNT рс LOUVEF ГП ANGLI ANGLI \circ BDX 410 44 \square 601 \bigvee MTG. CONTINUOUS G Ì і Ш MULLION No -LORIDA 1/0'S/ONAL ENGINITI SEP 2 7 2024 **PRODUCT REVISED** RICE as complying with the Florida Building Code ENGINEERING 105 School Creek Trail Luxemburg, WI 54217 Phone: (920) 617-1042 24-0904.01 Expiration Date 11/01/2029 Fax: (920) 617-1100 Atur www.rice-inc.com **Miami-Dade Product Control** Florida Firm No: F-01000005061 Certificate of Authorization: #9090 Wayne K. Helmila Registration No: 59092

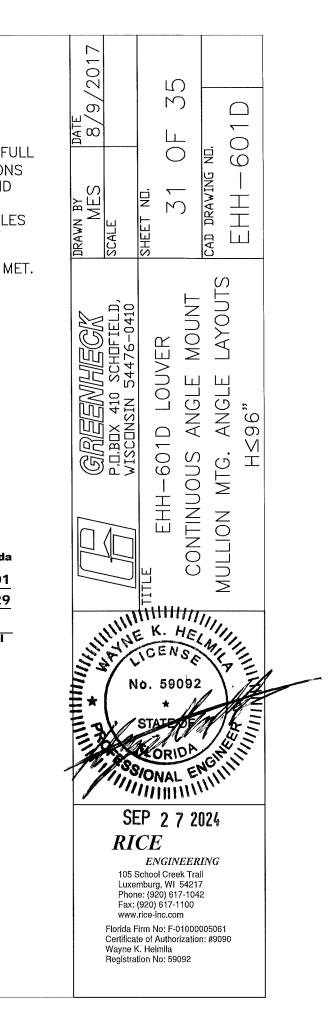


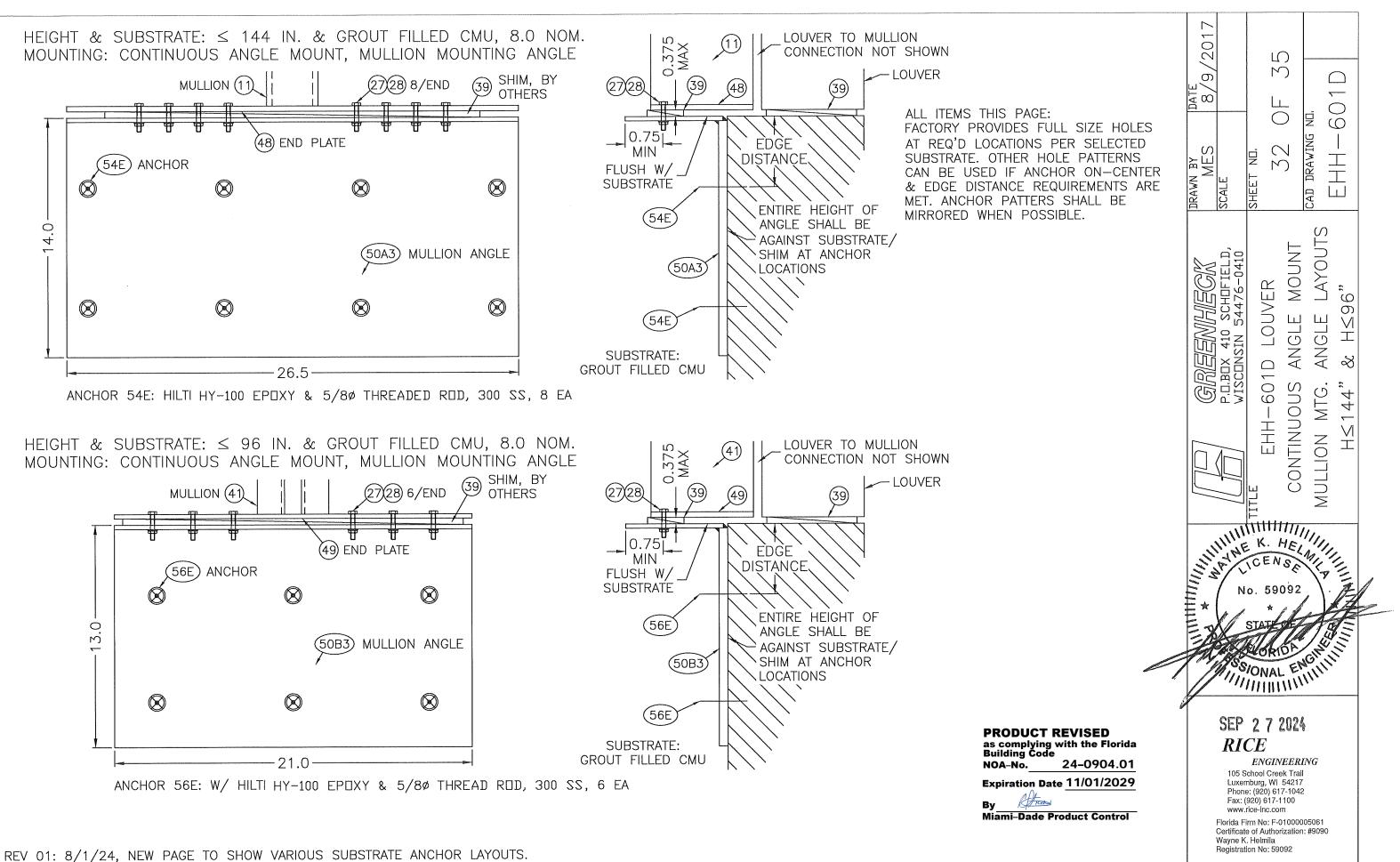
FACTORY PROVIDES PILOT OR FULL SIZE HOLES AT REQ'D LOCATIONS STILL BE PRESENT. OTHER HOLES DISTANCE REQUIREMENTS ARE MET.

> as complying with the Florida Building Code 24-0904.01 Expiration Date 11/01/2029

> > Atum

Miami-Dade Product Control

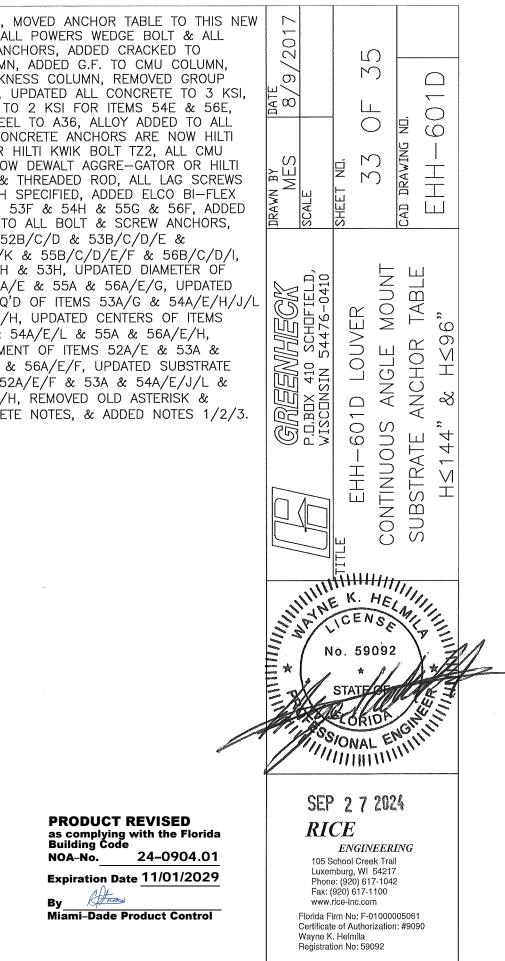




1							BSTRATE ANCHOR TABL	.E.				
	ITEM 5		AMB PE	ERIME	FER ANGL		, HEIGHT ≤ 144			I		Transmission
ITEM	CRACKED CONCRETE	G.F. CMU	STEEL	Maad	MIN ∨ALUE	MIN (1) THICKNESS	ANCHOR TYPE	DIA, Ø	# REQ'D	CENTERS	MIN EMBED,	SUBSTRATE MIN EDGE (3)
52A	х				3 K2I	4.0	HILTI KWIK HUS EZ (KH-EZ), 300 SS	3/8	VARIES	6.0 MIN∕MAX	2,5 NDM,	1.5
52E		х			1.5 KSI	3.0	DEWALT AGGRE-GATOR, 300 SS	1/4	VARIES	3.0 MIN 6.0 MAX	2.0 NOM.	2.0
52F			Х		A36	0,125	BOLT OR SCREW, 300 SS, INCLUDES ELCO BI-FLEX	1/4-20	VARIES	6.0 MAX	0.125	0,75
52H			Х		A36	0.125	BOLT, 300 SS	5/16-18	VARIES	6.0 MAX	0.125	0.75
52G				X	SG 0,42	3.0	LAG, MIN 3.0 LONG, MIN 2.0 L. THREADS (EXCL. TIP), 300 SS	3/8	VARIES	2.0 MIN 6.0 MAX	2,375	1,5
	ITEM 5	31 Ml	JLLION	I END	PLATE #	ANCHOR, HE	IGHT ≤ 144					
ITEM	CRACKED CONCRETE	G.F. CMU	STEEL	MOOD	MIN VALUE	MIN (1) THICKNESS	ANCHOR TYPE	DIA, Ø	# REQ'D	MIN CENTERS	MIN EMBED,	SUBSTRATE MIN EDGE (3)
53A	Х				3 KSI	6,0	HILTI KWIK BOLT TZ2, 300 SS	5/8	4/END	7,5 & 9,0	3.25 NDM.	4,0
53F			х		A36	0.125	BOLT OR SCREW, 300 SS, INCLUDES ELCO BI-FLEX	1/4-14 1/4-20	8/END	1.0	0.125	0.5
53H			Х		A36	0.125	BOLT, 300 SS	5/16-18	6/END	1.5	0.125	0.5
53G				х	SG 0.42	3,0	LAG, MIN 3.0 LONG, MIN 2.0 L. THREADS (EXCL. TIP), 300 SS	3/8	12/END	1.5	2,375	1.75
	ITEM 5	4: Ml	JLLION	ANGI	E MOUN	ſ ANCH⊡R,	HEIGHT ≤ 144					
TEM	CRACKED CONCRETE	G.F. CMU	STEEL	WOOD	MIN VALUE	MIN (1)(2) THICKNESS	ANCHOR TYPE	DIA, Ø	# REQ'D	MIN CENTERS	MIN EMBED,	SUBSTRATE MIN EDGE (3)
54A	×				3 KZI	6.0	HILTI KWIK BOLT TZ2 (KB-TZ2), 300 SS	1/2	5/ANG.	6.0	3.0 NOM.	3.0 EDGE 1 4.0 EDGE 2
54E		х			2 KSI GROUT	8.0 N⊡M.	HILTI HIT-HY 100 EPDXY & THREADED RDD, 300 SS	5/8	8/ANG.	8.0 HOR. 7.0 VER.	5,625 ACT,	4.125
54H			×		A36	0.188	BOLT OR SCREW, 300 SS, INCLUDES ELCO BI-FLEX	1/4-20	10/ANG.	1.0	0.188	0.5
54J			X		A36	0,144	BOLT, 300 SS	5/16-18	3/ANG.	1.0	0.144	0.75
54L				x	SG 0,42	3.0	LAG, MIN 3.5 LONG, MIN 2.25 L. THREADS (EXCL. TIP), 300 SS	3/8	10/ANG.	2,0	2,875	2.0
	ITEM 5	51 MI	JLLION	I END	PLATE (ANCHOR, HE	IGHT ≤ 96					
ITEM	CRACKED CONCRETE	G.F. CMU	STEEL	VOOD	MIN VALUE	MIN (1) THICKNESS	ANCHER TYPE	DIA, Ø	# REQ'D	MIN CENTERS	MIN EMBED,	SUBSTRATE MIN EDGE (3)
55A	×				3 K2I	5.0	HILTI KWIK BOLT TZ2, 300 SS	1/2	4/END	6.25 & 6.5	3.0 NOM.	2.5 EDGE 1 3.25 EDGE 2
55G			х		A36	0.125	BOLT OR SCREW, 300 SS, INCLUDES ELCO BI-FLEX	1/4-14 1/4-20	6/END	1.0	0.125	0.5
55H				x	SG 0,42	3.0	LAG, MIN 3.0 LENG, MIN 2.0 L. THREADS (EXCL. TIP), 300 SS	3/8	10/END	1.5	2.375	1.75
	ITEM 5	6: Ml	ULLION	ANGI	E MOUN	T ANCHOR,	HEIGHT ≤ 96					
ITEM	CRACKED CONCRETE	G.F. CMU	STEEL	WOOD	MIN VALUE	MIN (1)(2) THICKNESS	ANCHOR TYPE	DIA, Ø	# REQ'D	MIN CENTERS	MIN EMBED,	SUBSTRATE MIN EDGE (3)
56A	×				3 KSI	5.0	HILTI KWIK BOLT TZ2, 300 SS	1/2	4/ANG,	6.0	2.5 NOM.	3.0 EDGE 1 4.0 EDGE 2
56E		х			2 KSI GROUT	8.0 N⊡M.	HILTI HIT-HY 100 EPDXY & THREADED RDD, 300 SS	5/8	6/ANG.	8.0 HOR. 6.25 VER.	5,625 ACT,	4.125
			x		A36	0.160	BOLT OR SCREW, 300 SS, INCLUDES ELCO BI-FLEX	1/4-20	6/ANG.	1.0	0.16	0.5
56F		[X	[A36	0.125	BOLT, 300 SS	5/16-18	6/ANG.	1.0	0.125	0.75
56F 56G			<u> </u>				LAG, MIN 3.5 LONG, MIN 2.25 L.					

NOA-No.

By

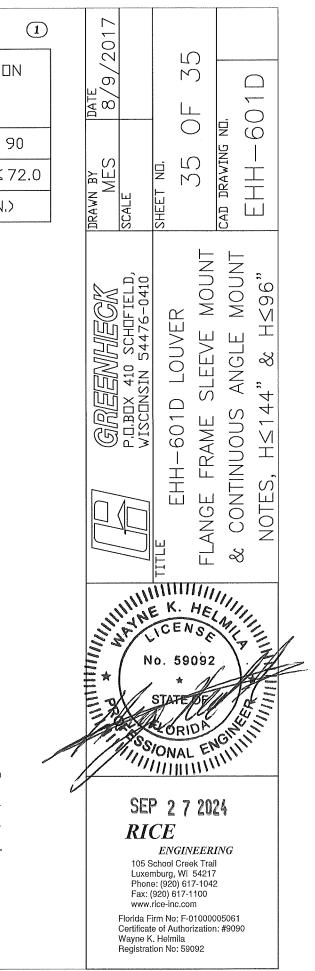


	PRODUCT REVISED as complying with the Florida Building Code NOA-No. 24-0904.01 Expiration Date 11/01/2029 By Here Miami-Dade Product Control	CONDENSED SIMILAR ITEMS INTO ALLOY OF #4/8, ADDED DIMS 11/46/48, ADDED OPTIONAL TO OPTION TO #27/28, CLARIFIED EM 36 IS NOW A SPECIFIC EM 36 IS NOW A SPECIFIC O/41 TO SAY MULLION, ADDED VAMES/ALLOYS/NOTES. DRAWN BY MES 8/9/2017 SCALE 34 OF 35 SCALE 34 OF 35 CAD DRAWING NG. EHH-601D EHH-601D
2.125 MAX SPACING 2.125 FLANGE, 12" & 16" DEPTH IS	VITH ITEM 31, DNE ANGLE ANGLE ANGLE ANGLE ANGLE ANGLE ANGLE ANGLE I VJAMBS OF SLEEVE ANGLE DI SLEEVE FLANGE DE STEL BACK OF SILL PAN BACK OF SILL PAN BACK OF SILL PAN STEEL BACK OF SILL PAN SPANS SILL OPENING M 36 AT MULLIONS ATERLACE ANTRONE M 36 AT MULLIONS SS STEEL SPLACE AIR OF 36 OR 36 I W/DBRONZE BUSHING CING SPANS SILL OPENING SPANS SILL OPENING ATED OR GALV. ATED OR CONCE I W/DBCD STEEL SPLACE ANDUNG CING SPANS SILL OPENING ATEN BUSHING CING CING CING CING CING CING CING C	NOTES TO NEW PAGES, C ADDED #60/61, UPDATED A DDED COATED STEEL TO #1 /28, ADDED REPLACEMENT /28, ADDED REPLACEMENT 10 #36/37, CORRECTED #4 0 #40 SCHOFTELD, 10 COUNT ME SLEEVE MOUNT 0 US ANGLE MOUNT H≤144" & H≤96" H≤144" & H≤96"
MATERIAL 6063-T5 ALUM. 6063-T5 ALUM. 6063-T5 ALUM. 6063-T5 ALUM. 6063-T5 ALUM.	53-T5 ALUM. 53-T5 ALUM. 63-T5	BLE AND 21C & # #11/18/2 SE OF ZP ADDED OF ADDED OF ADDED OF FLANG & COU PART PART
ITEM DESCRIPTION 1 LOUVER HEAD 2 LOUVER BLADE 3 LOUVER BLADE 4 LOUVER JAMB 5 LOUVER/DAMPER FLANGE 6 FIRMFD SI FFVF. 0125 THICK	7A 1.5 × 1.5 × 1.4 ANGLE 7B 1.5 × 1.5 × 1.9 ANGLE, MIN SIZE 10 1.5 × 1.5 × 1.8 ANGLE, MIN SIZE 11 2.5 × 1.5 × 1.8 ANGLE, MIN SIZE 12 1.5 × 1.5 × 1.8 ANGLE, MIN SIZE 13 2.6 × 5/16 TUBE 14 DUDVE BLANK OFF 15 J.1.5 × 1.7 AND ANGLE 16 DAMPER BLANK OFF 17 DAMPER BLANK OFF 17 DAMPER JAMB 18 DAMPER JAMB 19 DAMPER JAMB 11 DAMPER AXLE BUSHING 12 DAMPER AXLE BUSHING 12 DAMPER AXLE ASSEMBLY 12 DAMPER AXLE BUSHING 13 DAMPER AXLE ASSEMBLY 14 DAMPER AXLE BUSHING 14 <td< td=""><td>REV 01: 8/1/24, WAS PAGE 18, MOVED ANCHOR TA A SINGLE ROW FOR #20/21/23/24/31, REMOVED # TO #6, UPDATED LENGTH OF #10, ADDED INFO TO # 12/44, ADDED 1/4" OPTION TO #26, CLARIFIED US Nore 26, CLARIFIED US Nore 26, CLARIFIED US Notes of the standard of the standard of the standard SCREW TYPE, REMOVED SCREW LENGTHS FROM AND NOTE TO #45, ADDED HEIGHTS & NOTES TO #46-49 Nore 360, 611-1100 Mane K Heimig Besituation was and Mane K Heimig Besituation was 260, 21/23/24/31, Anti- Additional of the standard of the st</td></td<>	REV 01: 8/1/24, WAS PAGE 18, MOVED ANCHOR TA A SINGLE ROW FOR #20/21/23/24/31, REMOVED # TO #6, UPDATED LENGTH OF #10, ADDED INFO TO # 12/44, ADDED 1/4" OPTION TO #26, CLARIFIED US Nore 26, CLARIFIED US Nore 26, CLARIFIED US Notes of the standard of the standard of the standard SCREW TYPE, REMOVED SCREW LENGTHS FROM AND NOTE TO #45, ADDED HEIGHTS & NOTES TO #46-49 Nore 360, 611-1100 Mane K Heimig Besituation was and Mane K Heimig Besituation was 260, 21/23/24/31, Anti- Additional of the standard of the st

 IT SHALL BE THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THE LOUVER(S). THE LOUVER HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE (FBC) TO TEST PROTOCOLS 	MAX SECTION HEIGHT (IN.)	SIN	WIND LOA NGLE SEC (+/- PS	2-
TAS 201 (IMPACT), TAS 202 (UNIFORM STATIC PRESSURE), TAS 203 (CYCLIC PRESSURE), AND, WITH VCD-40 DAMPER ATTACHED WITH DAMPER BLADES FULLY CLOSED AND WITHOUT A SILL PAN OR	≤ 144.0	150	130	
SIMILAR DEVICE, AMCA 550 (HIGH VELOCITY WIND DRIVEN RAIN). 3. LOUVER ASSEMBLY IS QUALIFIED FOR A DESIGN LOAD OF:	L	≤ 43.0	≤ 49.5	
$+/-$ 150 PSF (ASD) FOR SECTION SIZES OF \leq 43.0"x144.0"		MAX	SECTION	1
$+/-$ 130 PSF (ASD) FOR SECTION SIZES OF \leq 49.5"x144.0"				
$+/-$ 105 PSF (ASD) FOR SECTION SIZES OF \leq 61.5"x144.0" $+/-$ 90 PSF (ASD) FOR SECTION SIZES OF \leq 72.0"x144.0"				
4. MAXIMUM SINGLE SECTION SIZE IS 72" WIDE BY 144" HIGH. MAXIMUM ASSEMBLED LOUVER SIZE IS				
UNLIMITED WIDE BY 144" HIGH. 5. SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDING A SUITABLE STRUCTURAL SUPPORT				
IS DESIGNED AND INSTALLED BY OTHERS TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER.				
6. CONCRETE MASONRY (CMU) SHALL BE MIN ASTM C90, TYPE II, FILLED W/ 2 KSI GROUT. 7. THE SLEEVE MOUNT STYLE LOUVER UTILIZES AN ANCHORLESS INSTALLATION METHOD THAT DOES NOT				
REQUIRE THE USE OF ANCHORS INTO THE SUBSTRATE. IT MAY BE INSTALLED IN ANY SUBSTRATE THAT WILL WITHSTAND THE LOADS TRANSFERRED TO IT BY THE LOUVER. ALSO SEE NOTE $\#1$.				
8. THE CONTINUOUS ANGLE MOUNT STYLE UTILIZES A CONTINUOUS JAMB ANGLE THAT IS ATTACHED TO				
THE SUBSTRATE BY ANCHORS. IT MAY BE INSTALLED IN CRACKED CONCRETE, CMU, STEEL, OR WOOD ACCORDING TO THE ANCHOR SCHEDULE. ALSO SEE NOTE #1.				
9. LOUVER ASSEMBLY WITHOUT THE VCD-40 DAMPER SHALL ONLY 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 OR WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.				
10. LOUVER ASSEMBLY WITH THE VCD-40 DAMPER MAY BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM AND THE ROOM				
WILL HOUSE NON-WATER RESISTANT OR NON-WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.				
11. INSTALLER TO PROVIDE SEPARATION OF DISSIMILAR MATERIALS AS REQUIRED (SEE CURRENT FBC). SEE OLDER 2010 FBC, BUILDING, 2003.8.4 FOR MORE INFORMATION ON SEPARATION OF DISSIMILAR				
MATERIALS. ALL ALUMINUM, STAINLESS STEEL (SS) AND PLATED/COATED STEEL PARTS PROVIDED BY				
MANUFACTURER ARE INHERENTLY CORROSION RESISTANT OR HAVE A CORROSION RESISTANT COATING. 12. THE VCD-40 MAY BE OPERATED BY THE MANUAL QUADRANT SHOWN OR BY ANY TYPE OF ACTUATOR				
AND ANY TYPE OF LINKAGE/ASSEMBLY COMPONENTS.				
13. FRAME CONSTRUCTION: HEADS & SILLS ARE SQUARE CUT. JAMBS SQUARE CUT AT HEAD & SILL.				
CORNERS ARE SECURED WITH (2) #10x1-1/4 SCREW & SILICONE SEALED. BLADES ARE SECURED TO JAMBS WITH (2) #10x1-1/4 SCREWS AND WELDED AT EACH END.				
14. STEEL, STAINLESS-STEEL, ALUMINUM PARTS MAY BE MADE OUT OF ALTERNATE ALLOY THAT HAS EQUAL OR GREATER YIELD STRENGTH. NON-LABELED VALUES ARE IMPERIAL. DIMENSIONS & SIZES ARE		F	RODUCT	R
MINIMUMS UNLESS NOTED OTHERWISE.		В	is complying Building Code	, N
15. BLADE SUPPORT ANGLE AND OPTIONAL BLADE SUPPORT BRACKETS ARE ONLY REQUIRED WHEN ACTUAL LOUVER SECTION WIDTH IS GREATER THAN 36 INCHES.			IOA–No Expiration Dat	te
		B	y Atum	
		Μ	liami-Dade P	

REV 01: 8/1/24, MOVED NOTES TO THIS NEW PAGE, ADDED NO SILL PAN & REPLACED TAS-100A WITH AMCA 550 IN NOTE 2, UPDATED ALLOWABLE PRESSURE BASED ON SECTION SIZE TO NOTE 3, ADDED TABLE OF ALLOWABLE PRESSURE BASED ON SECTION SIZE, ADDED CRACKED TO CONCRETE IN NOTE 8, CLARIFIED THE ALLOWANCE OF OTHER ACTUATORS/ETC IN NOTE 12, & ADDED LAST TWO SENTENCES TO NOTE 14.

(1) WIND LOAD, BASED ON NGLE SECTION SIZE (+/- PSF, ASD) 130 105 90 $\leq 49.5 \leq 61.5 \leq 72.0$ SECTION WIDTH (IN.)							
NGLE SECTION SIZE $(+/- PSF, ASD)$ 13010590 ≤ 49.5 ≤ 61.5 ≤ 72.0							
≤ 49.5 ≤ 61.5 ≤ 72.0	NGLE SECTION SIZE						
	130 105 90						
SECTION WIDTH (IN.)	≤ 49.5 ≤ 61.5 ≤ 72.0						
	SECTION WIDTH (IN.)						



PRODUCT REVISED as complying with the Florida Building Code 24-0904.01 Expiration Date 11/01/2029

Aiami-Dade Product Control