



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/building

Greenheck Fan Corporation
1110 Greenheck Drive (PO Box 410)
Schofield, WI 54476

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 EHV-901D Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **EHV-901D**, titled "EHV-901D Standard and Recessed Jamb", sheets 1 through 11 of 11, dated 05/23/2016, prepared by the manufacturer, signed and sealed by Chander P. Nangia, P.E. on 01/05/2026, 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, Schofield, WI or Shelby, NC, model/ series, and the statement reading: "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 No. 23-1030.03** and consists of 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.**



02/12/26

NOA No. 26-0128.03
Expiration Date: July 28, 2031
Approval Date: February 19, 2026
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS *(Submitted under NOA No. 16-0607.11)*

1. Drawing No. **EHV-901D**, titled "EHV-901D, Standard and Recessed Jamb", sheets 1 through 11 of 11, dated 05/23/16, prepared by the manufacturer, signed and sealed by Chander P. Nangia, P.E.

B. TESTS *(Submitted under NOA No. 16-0607.11)*

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 EHV-901D (Visible/Recessed Jamb) aluminum louvers, prepared by Quast Consulting & Testing, Inc, Report No. **QCT16-3863.01**, dated 06/01/16, signed and sealed by Brian M. Sasman, P.E.
2. Test Report on High Velocity Wind Driven Rain Resistance per AMCA 550-15 (Equivalent to AMCA 550-08/09) of a Model EHV-901D (Standard/Visible Jamb) aluminum louver, prepared by Intertek/Architectural Testing, Inc, Test Report No. **F5235.02-801-44**, dated 03/02/16, signed and sealed by Tyler Westerling, P.E. *(Submitted under NOA No. 16-0607.11)*
3. Test Report on High Velocity Wind Driven Rain Resistance per AMCA 550-15 (Equivalent to AMCA 550-08/09) of a Model EHV-901D (Recessed Jamb) aluminum louver, prepared by Intertek/Architectural Testing, Inc, Test Report No. **F5235.03-801-44**, dated 03/02/16, signed and sealed by Tyler Westerling, P.E. *(Submitted under NOA No. 16-0607.11)*

C. CALCULATIONS *(Submitted under NOA No. 16-0607.11)*

1. Structural load calculations prepared by manufacturer, dated 05/25/16, signed and sealed by Chander P. Nangia, P.E.
2. Structural load calculations (addendum) prepared by manufacturer, dated 07/05/16, signed and sealed by Chander P. Nangia, P.E. *(Submitted under NOA No. 16-0607.11)*

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. 26-0128.03
Expiration Date: July 28, 2031
Approval Date: February 19, 2026

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

F. STATEMENTS (*Submitted under NOA No. 21-0526.06*)

1. Statement letter of code conformance to the **FBC 7th Edition (2020)** and of no financial interest, dated May 13, 2021, issued by manufacturer, signed and sealed by Chander P. Nangia, P.E.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **EHV-901D**, titled "EHV-901D Standard and Recessed Jamb", sheets 1 through 11 of 11, dated 05/23/2016, prepared by the manufacturer, signed and sealed by Chander P. Nangia, P.E. on 01/05/2026.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

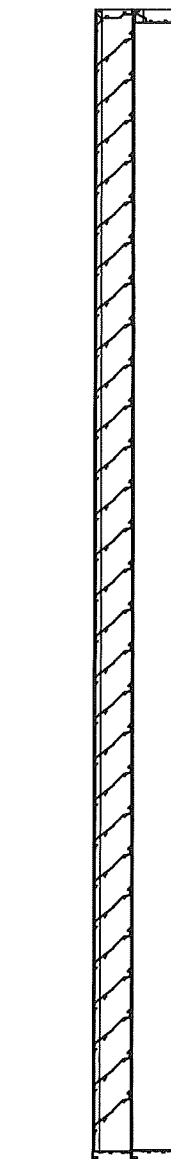
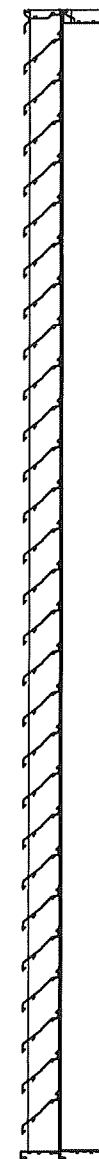
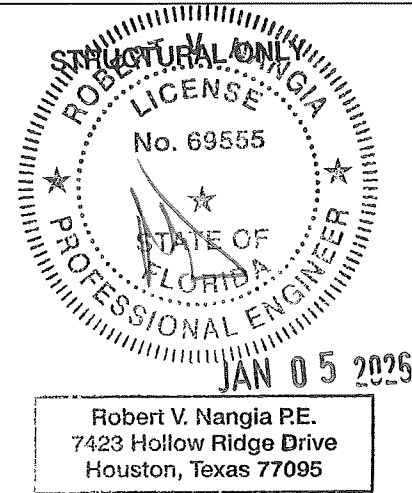
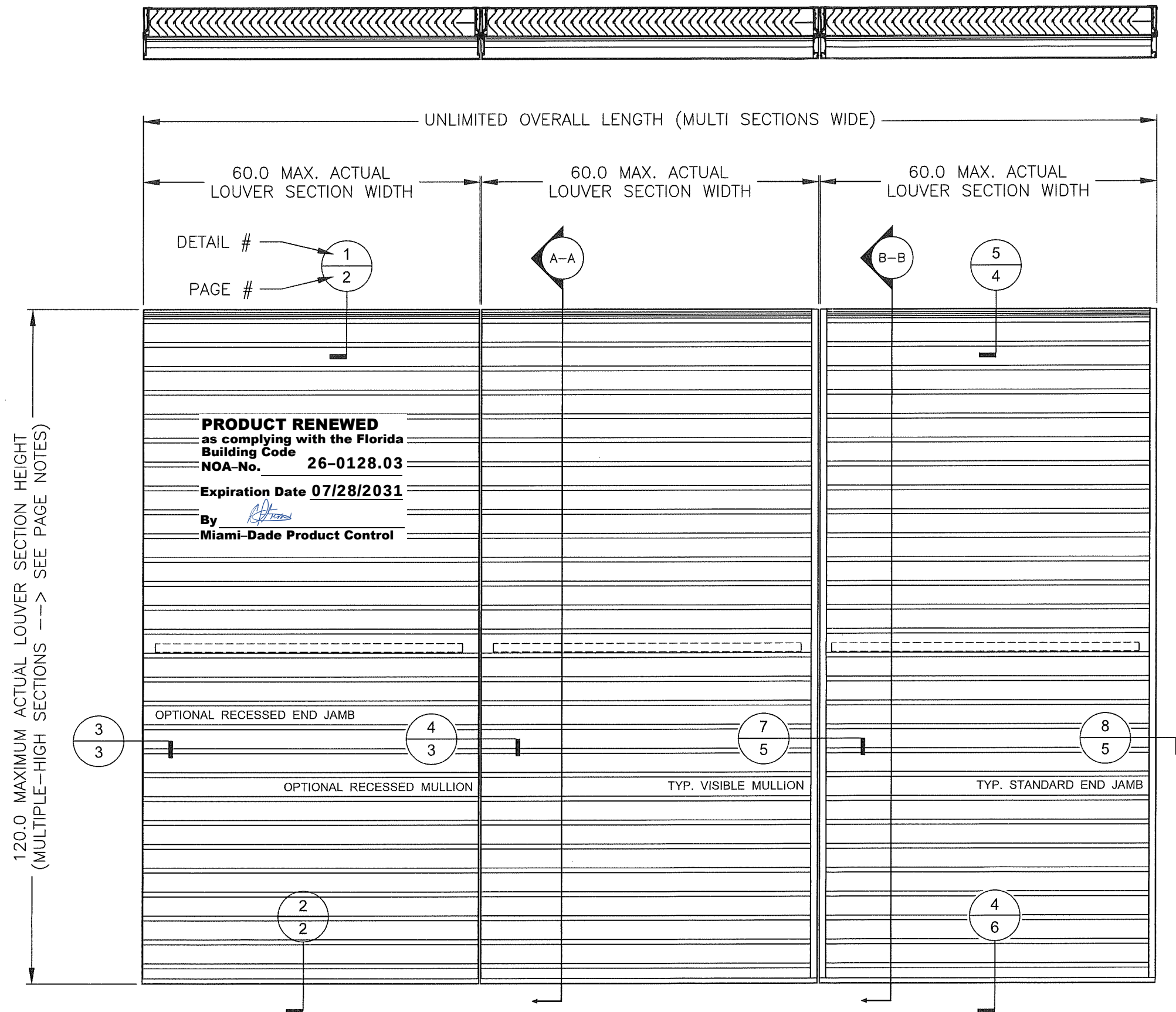
1. None.

F. STATEMENTS

1. Statement letter of code conformance with the 8th edition (2023) of the FBC, and of no financial interest, issued by manufacturer, dated 01/03/2026, signed and sealed by Robert V. Nangia, P.E.



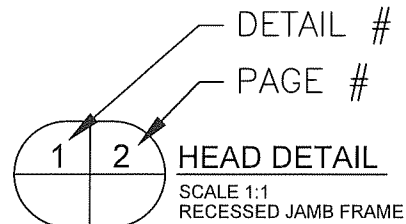
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 26-0128.03
Expiration Date: July 28, 2031
Approval Date: February 19, 2026



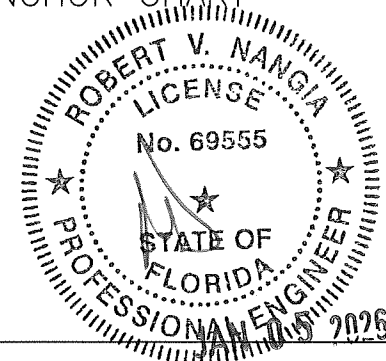
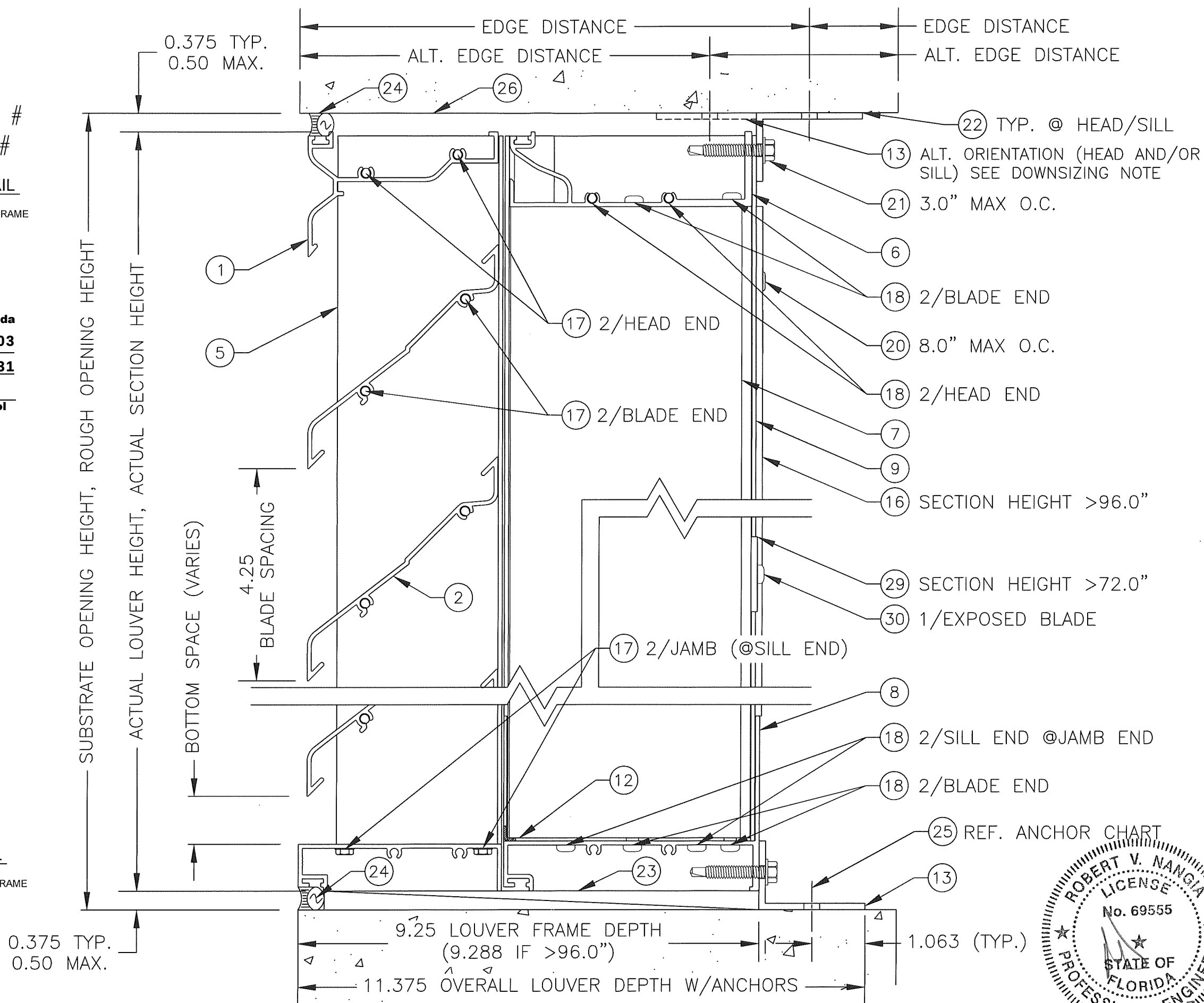
A-A: OPTIONAL RECESSED JAMB

B-B: STANDARD VISIBLE JAMB

PAGE NOTES: MULTI-HIGH ASSEMBLIES ARE PERMITTED AS-LONG-AS EACH LOUVER SECTION HAS SUITABLE SUBSTRATES ABOVE AND/OR BELOW EACH LOUVER SECTION ASSEMBLY AND EACH LOUVER SECTION IS INSTALLED PER DETAILS HEREIN (REFERENCE PAGES 2 & 4 OF 11).	 GREENHECK P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410			DRAWN BY NAH	DATE 5/23/2016
				SCALE 1:10	
				SHEET NO.	1 OF 11
				CAD DRAWING NO.	EHV-901D
TITLE: EHV-901D, ELEVATION					



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0128.03**
Expiration Date **07/28/2031**
By *[Signature]*
Miami-Dade Product Control

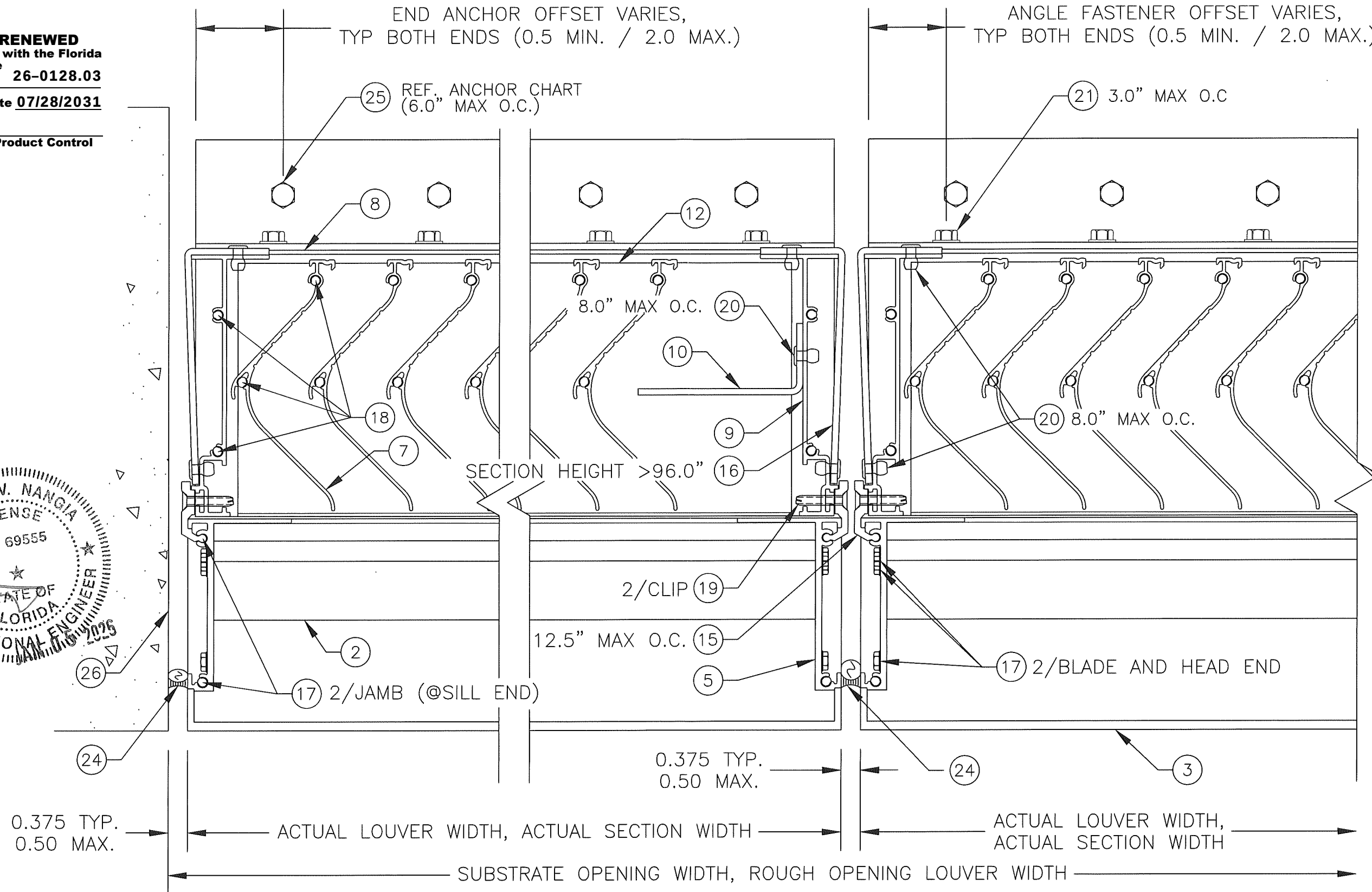
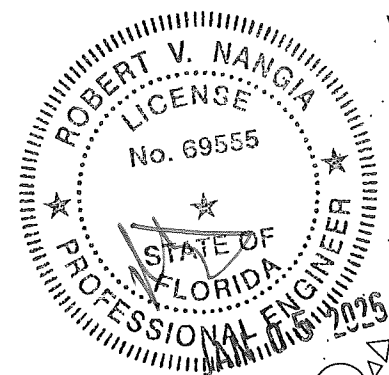


DATE	5/23/2016
DRAWN BY	NAH
SCALE	1:1
SHEET NO.	2 OF 11
CAD DRAWING NO.	EHV-901D
TITLE:	EHV-901D, RECESSED JAMB, HEAD & SILL DETAILS
PAGE NOTES:	STANDARD LOUVER HEIGHT DOWNSIZING IS 0.375 PER END (0.750 OVERALL TOTAL) WHEN ORDERED BASED ON ROUGH OPENING SIZING. MULTI-HIGH ASSEMBLIES ARE PERMITTED AS-LONG-AS EACH LOUVER SECTION'S WIDTH/HEIGHT ARE WITHIN THE ALLOWABLE MAXIMUMS AND SUITABLE SUBSTRATES SURROUNDS EACH LOUVER SECTION ASSEMBLY PERIMETER AND EACH LOUVER SECTION IS INSTALLED PER DETAILS.

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0128.03

Expiration Date 07/28/2031

By 
Miami-Dade Product Control



3 3 JAMB DETAIL
SCALE 1:1
RECESSED JAMB FRAME

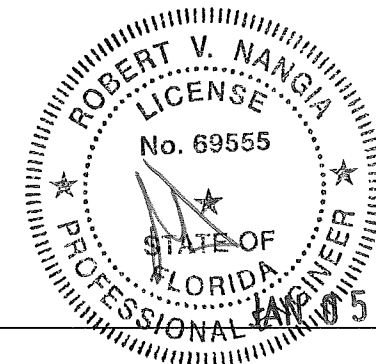
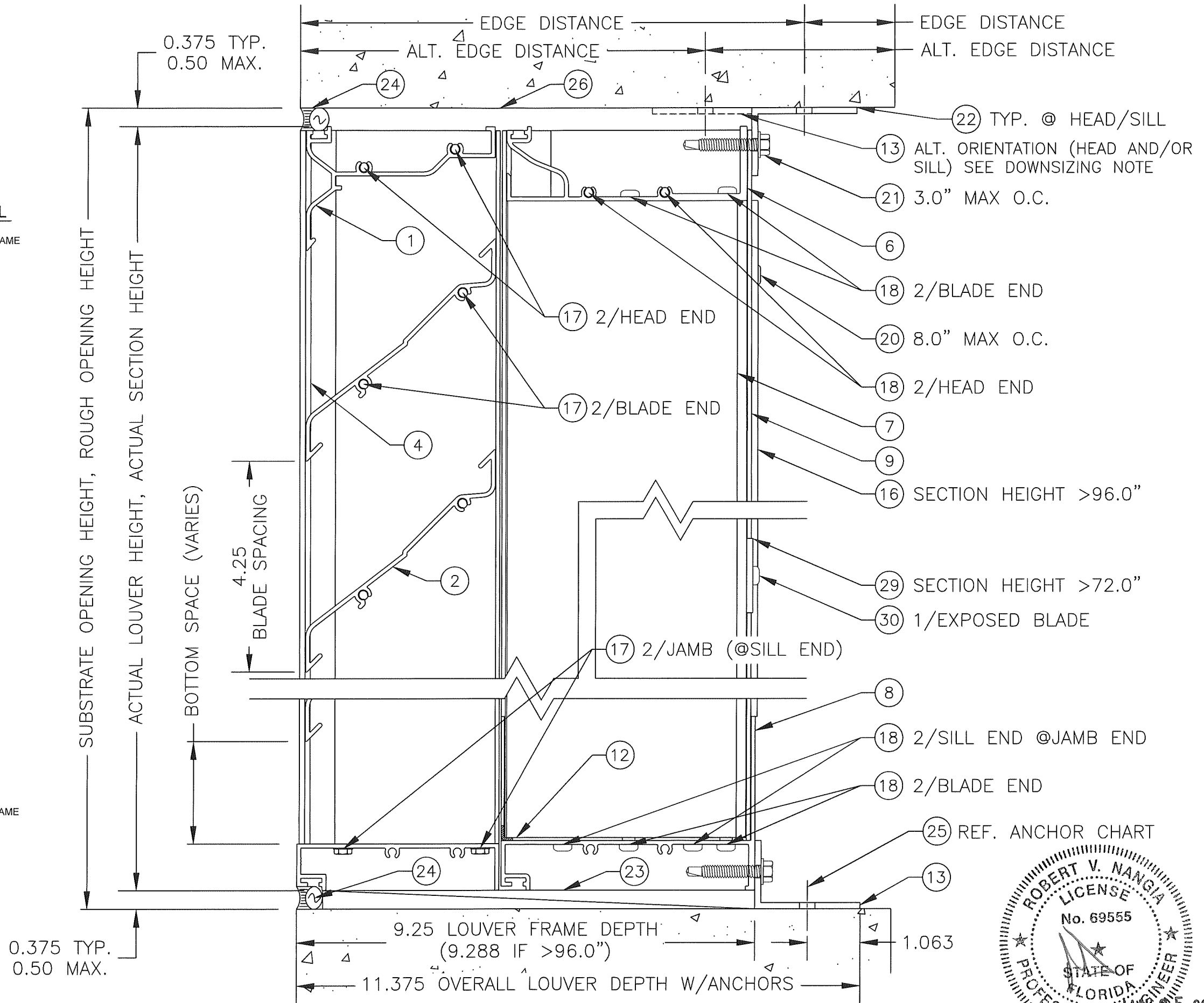
4 3 MULLION DETAIL
SCALE 1:1
RECESSED JAMB FRAME

PAGE NOTES: STANDARD LOUVER WIDTH DOWNSIZING IS 0.375 PER END (0.750 OVERALL TOTAL) WHEN ORDERED BASED ON ROUGH OPENING SIZING.	 GREENHECK P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410				DRAWN BY NAH	DATE 5/23/2016
	TITLE: EHV-901D, RECESSED JAMB, JAMB & MULLION DETAILS		SCALE 1:1			
			SHEET NO. 3 OF 11			
		CAD DRAWING NO. EHV-901D				

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0128.03**
Expiration Date **07/28/2031**
By 
Miami-Dade Product Control

5 4 HEAD DETAIL
SCALE 1:1
STANDARD JAMB FRAME

6 4 SILL DETAIL
SCALE 1:1
STANDARD JAMB FRAME



 GREENHECK P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY NAH	DATE 5/23/2016
	SCALE 1:1	
	SHEET NO. 4 OF 11	
TITLE: EHV-901D, STANDARD JAMB, HEAD & SILL DETAILS		CAD DRAWING NO. EHV-901D
PAGE NOTES: - STANDARD LOUVER HEIGHT DOWNSIZING IS 0.375 PER END (0.750 OVERALL TOTAL) WHEN ORDERED BASED ON ROUGH OPENING SIZING. - MULTI-HIGH ASSEMBLIES ARE PERMITTED AS-LONG-AS EACH LOUVER SECTION'S WIDTH/HEIGHT ARE WITHIN THE ALLOWABLE MAXIMUMS AND SUITABLE SUBSTRATES SURROUNDS EACH LOUVER SECTION ASSEMBLY PERIMETER AND EACH LOUVER SECTION IS INSTALLED PER DETAILS.		

ANGLE FASTENER OFFSET VARIES,
TYP BOTH ENDS (0.5 MIN. / 2.0 MAX.)

END ANCHOR OFFSET VARIES,
TYP BOTH ENDS (0.5 MIN. / 2.0 MAX.)

REF. ANCHOR CHART
(6.0" MAX O.C.)

3.0" MAX O.C.

PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0128.03

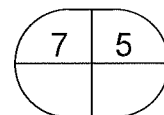
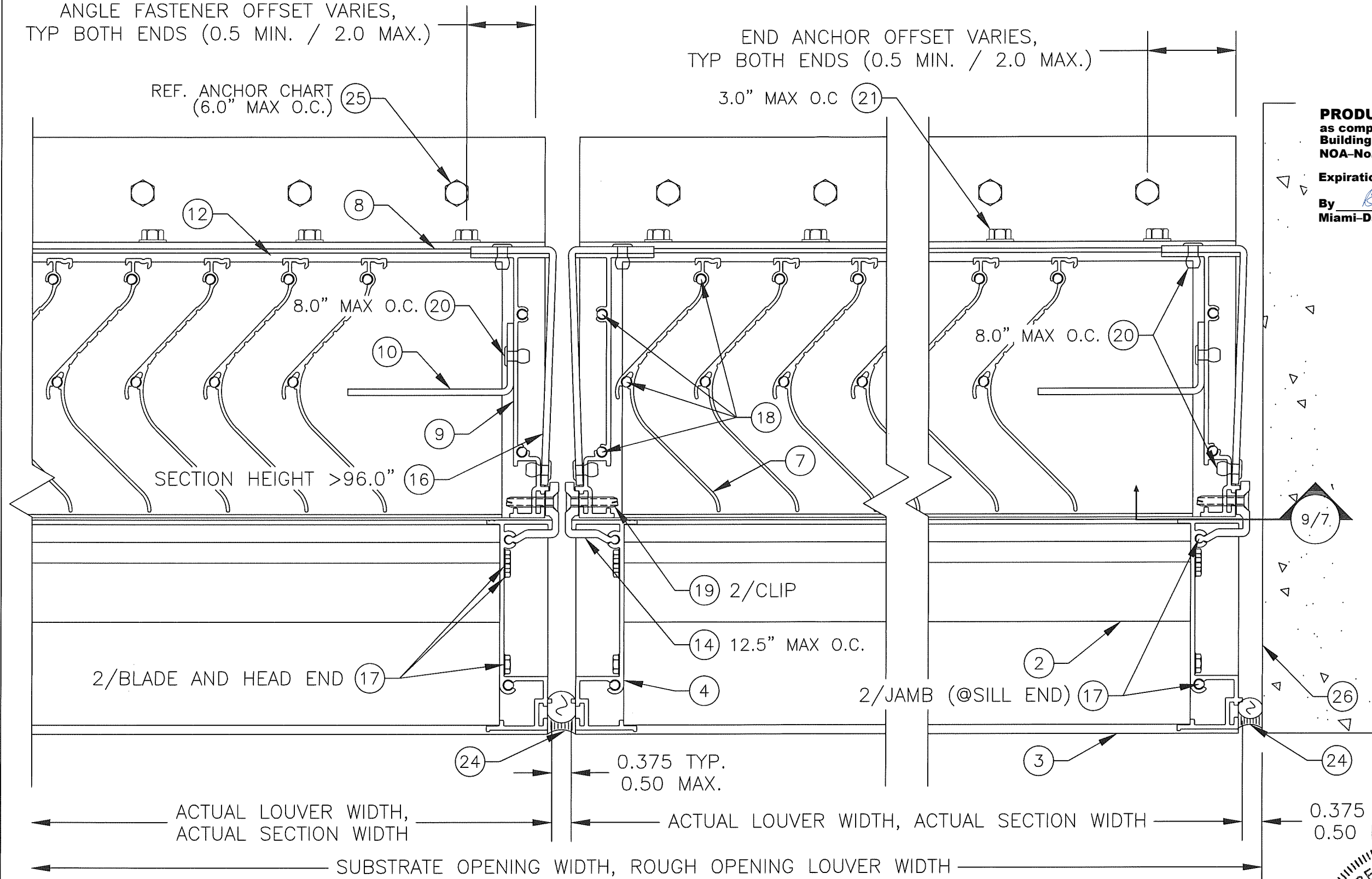
Expiration Date 07/28/2031

By *[Signature]*
Miami-Dade Product Control

GREENHECK
P.O. BOX 410 SCHOFIELD,
WISCONSIN 54476-0410

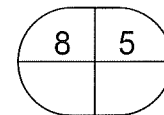
TITLE: EHV-901D, STANDARD JAMB,
JAMB & MULLION DETAILS

DRAWN BY: NAH
SCALE: 1:1
SHEET NO.: 5 OF 11
CAD DRAWING NO.: EHV-901D



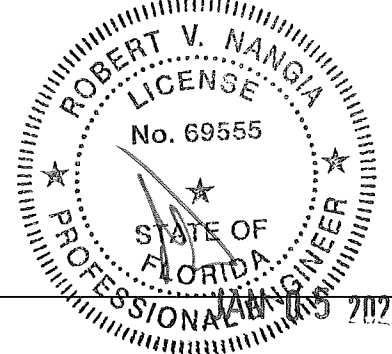
MULLION DETAIL

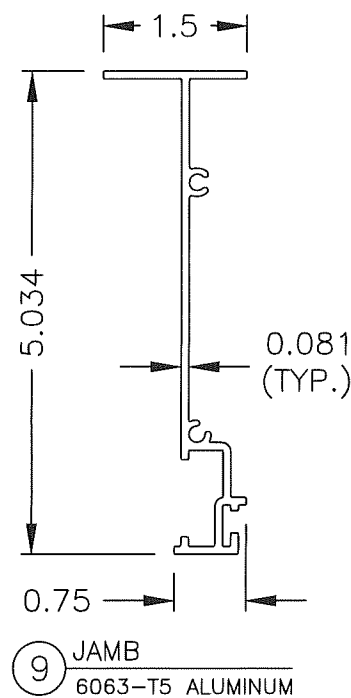
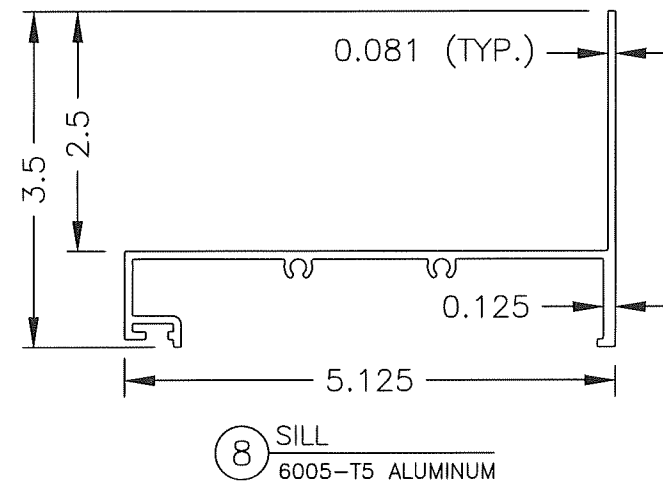
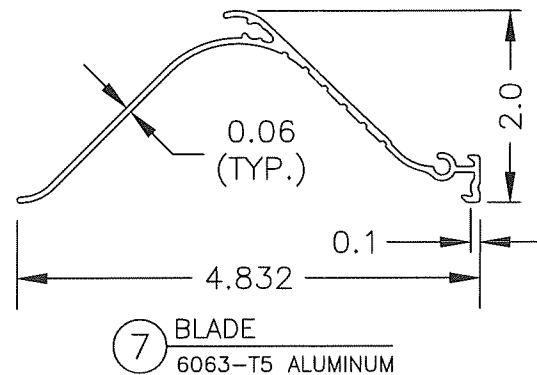
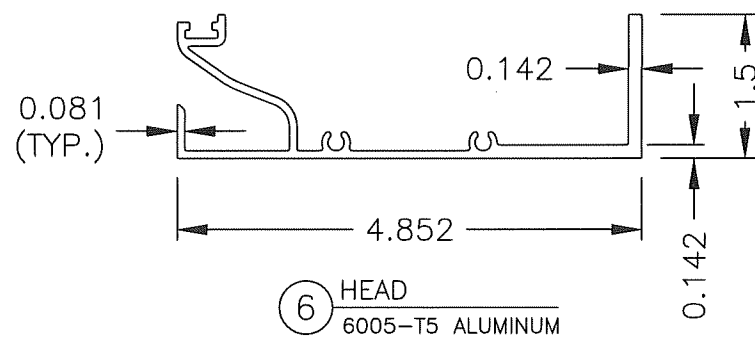
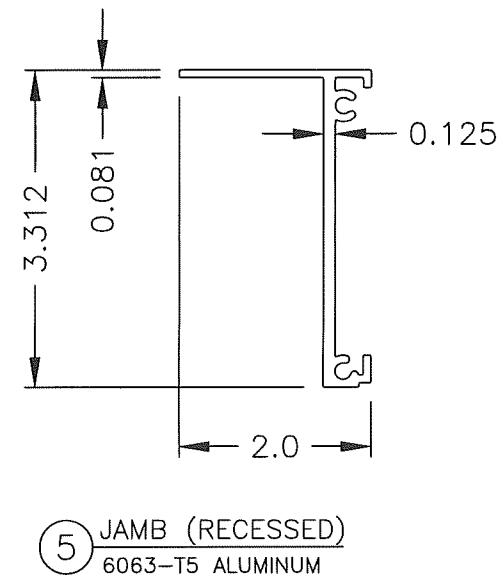
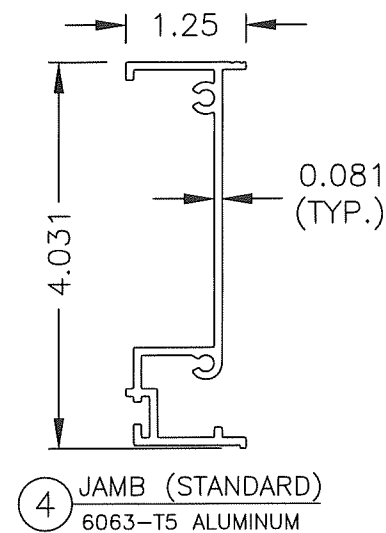
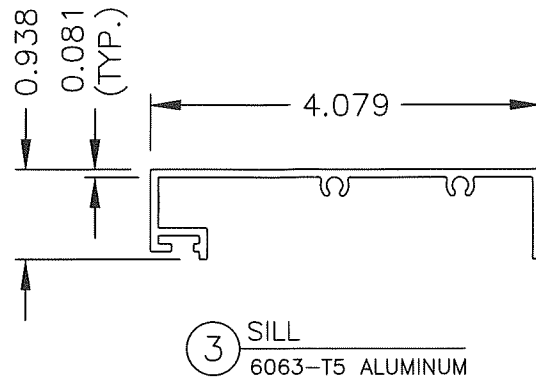
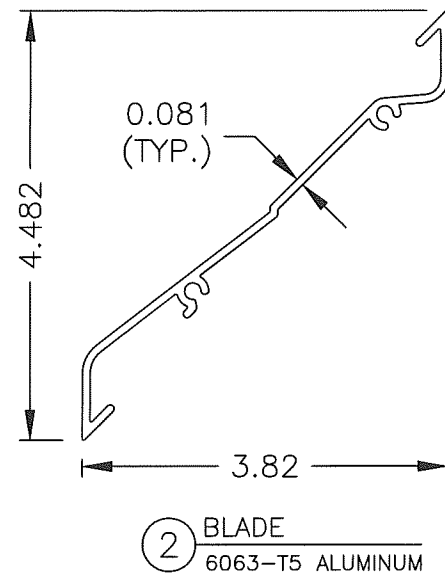
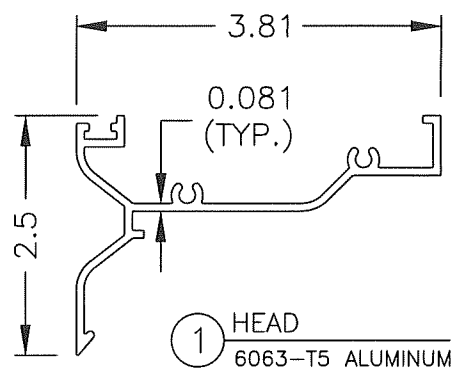
SCALE 1:1
STANDARD JAMB FRAME



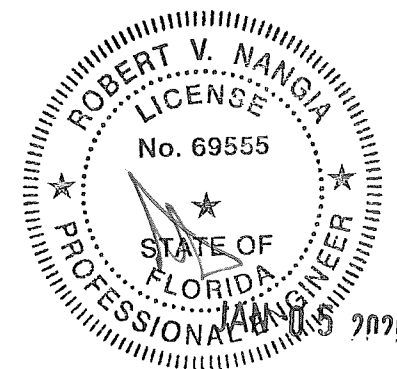
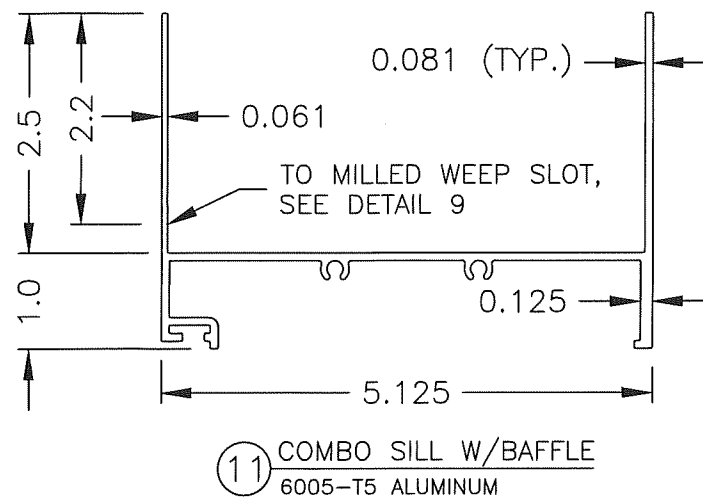
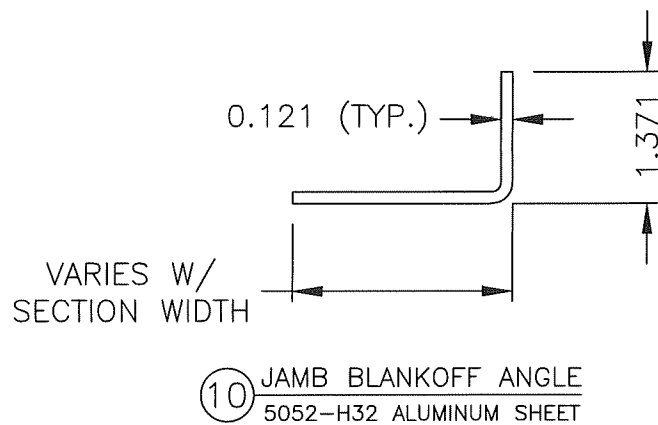
JAMB DETAIL

SCALE 1:1
STANDARD JAMB FRAME





PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. **26-0128.03**
Expiration Date **07/28/2031**
By *[Signature]*
Miami-Dade Product Control



REVISION	BY	DATE	SYM
REVISED PAGE NOTE DOWNSIZING VALUES REMOVED PAGE NOTE STRAP REFERENCE	MES	7/18 2016	1

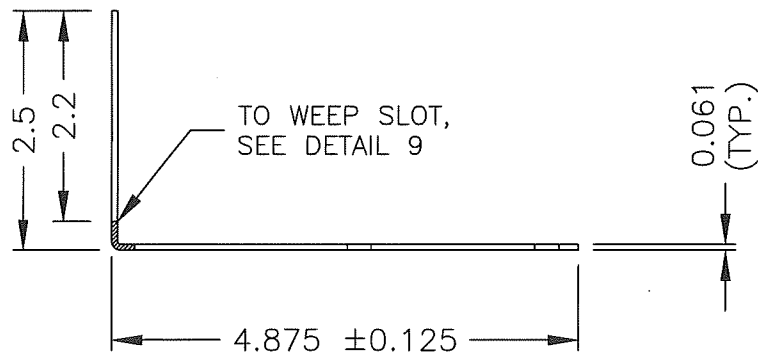
PAGE NOTES:
STANDARD LOUVER WIDTH DOWNSIZING IS 0.375 PER END (0.750 OVERALL TOTAL) WHEN ORDERED BASED ON ROUGH OPENING SIZING.

 P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY	NAH	DATE	5/23/2016
	SCALE	1:1		
	SHEET NO.	6 OF 11		
	CAD DRAWING NO.	EHV-901D		

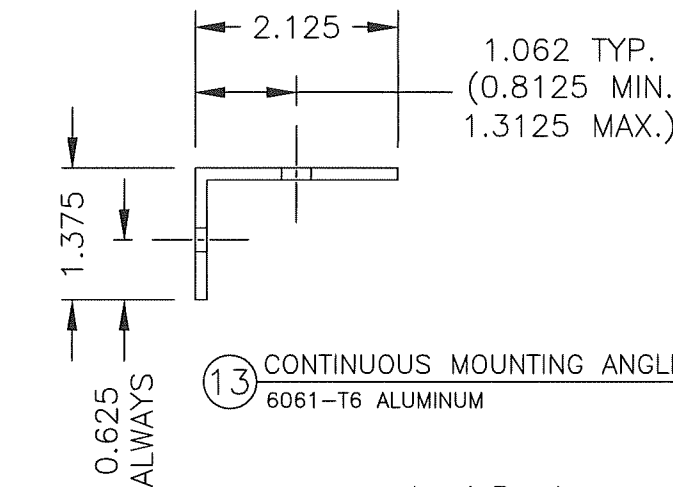
EHV-901D,
PART PROFILES

REVISION	BY	DATE	SYH
ADDED ITEM 29 REVISED PAGE NOTE STRAP REFERENCE	MES	7/18/2016	1

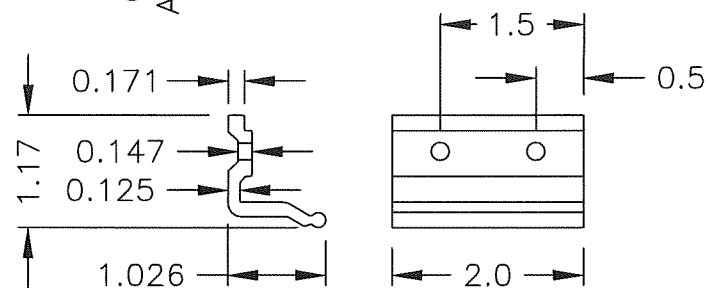
DATE	5/23/2016
DRAWN BY	NAH
SCALE	1:1
SHEET NO.	7 OF 11
CAD DRAWING NO.	EHV-901D



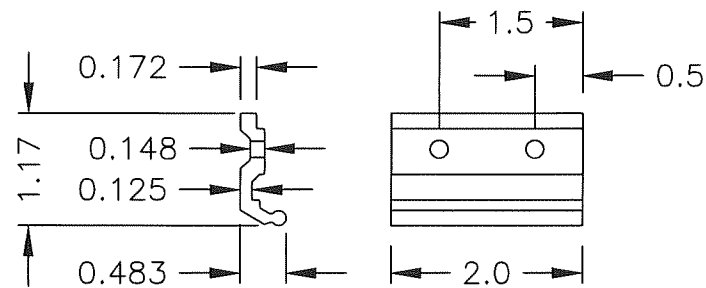
12 SILL BAFFLE
5052-H32 ALUMINUM SHEET OR 6063-T5 ALUM.



13 CONTINUOUS MOUNTING ANGLE, MILL
6061-T6 ALUMINUM

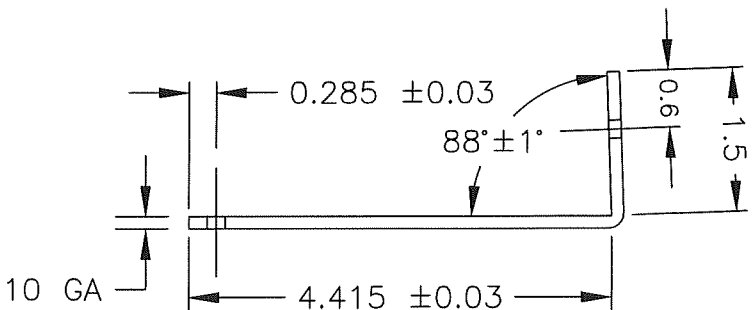
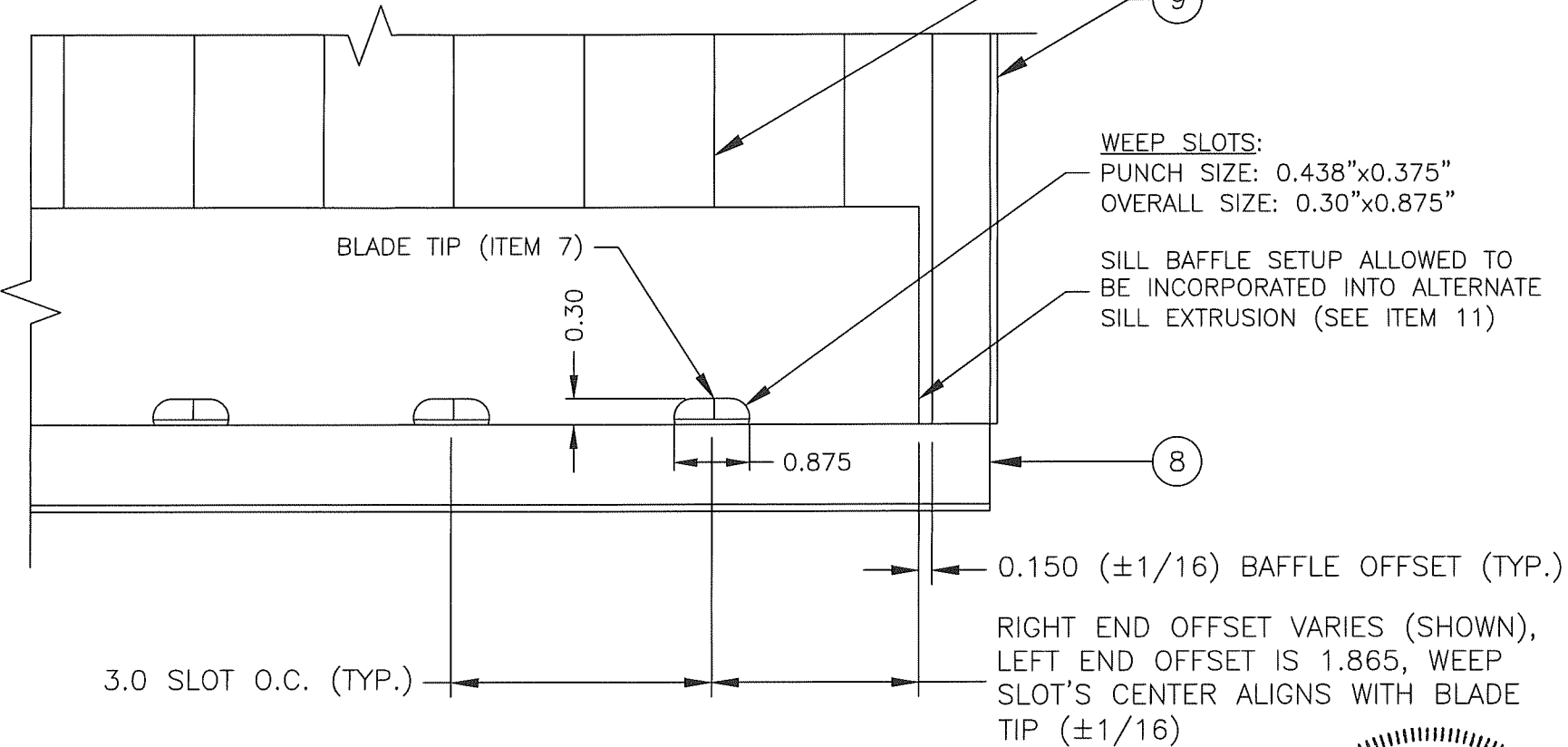


14 STANDARD LOUVER JAMB CLIP, MILL
6061-T6 ALUMINUM

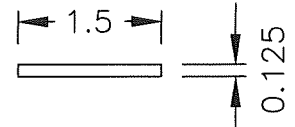


15 RECESSED LOUVER JAMB CLIP, MILL
6061-T6 ALUMINUM

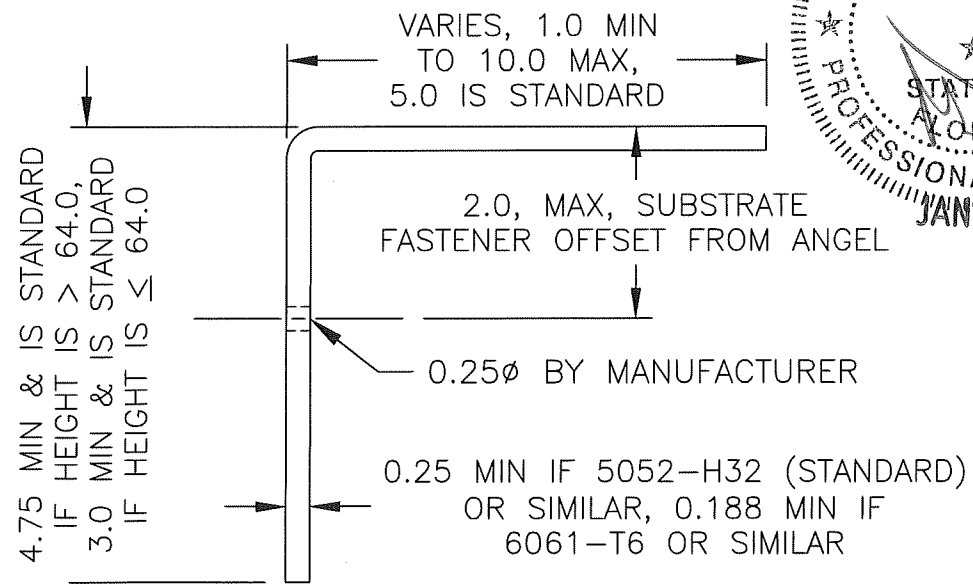
9 7 SILL BAFFLE LAYOUT DETAIL
SCALE 1:1
TYPICAL ITEMS 8 AND 11



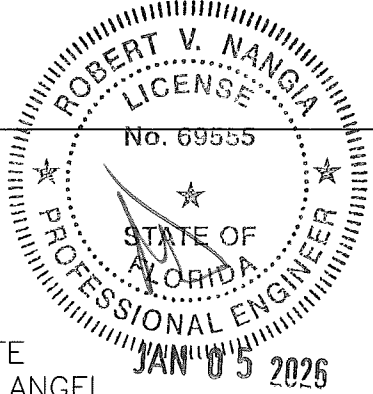
16 JAMB REINFORCEMENT ANGLE, MILL
300 SERIES STAINLESS STEEL, ONLY
WHEN SECTION HEIGHT > 96.0



29 BLADE SUPPORT STRAP (SEE PAGE NOTES)
ALLOY VARIES, ALUMINUM
WHEN SECTION HEIGHT > 72.0



32 SECONDARY CONTINUOUS MOUNTING ANGLE, MILL FINISH
0.188 6061-T6 OR 0.25 5052-H32 ALUMINUM



PAGE NOTES:

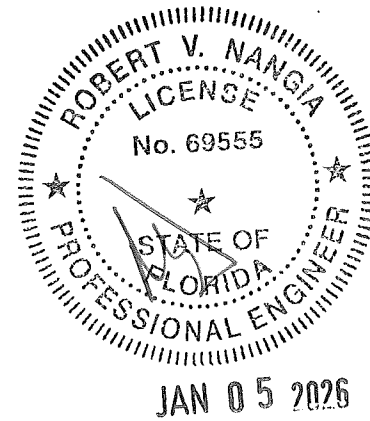
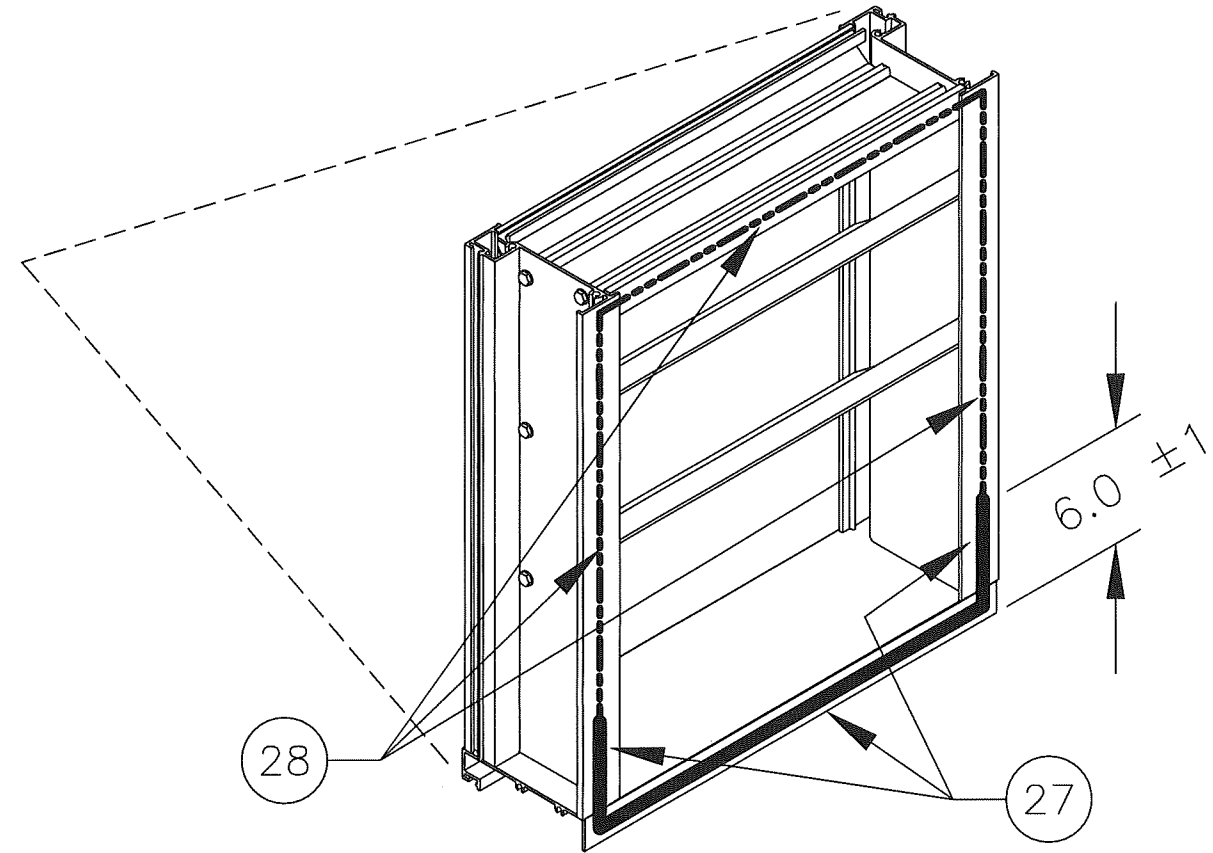
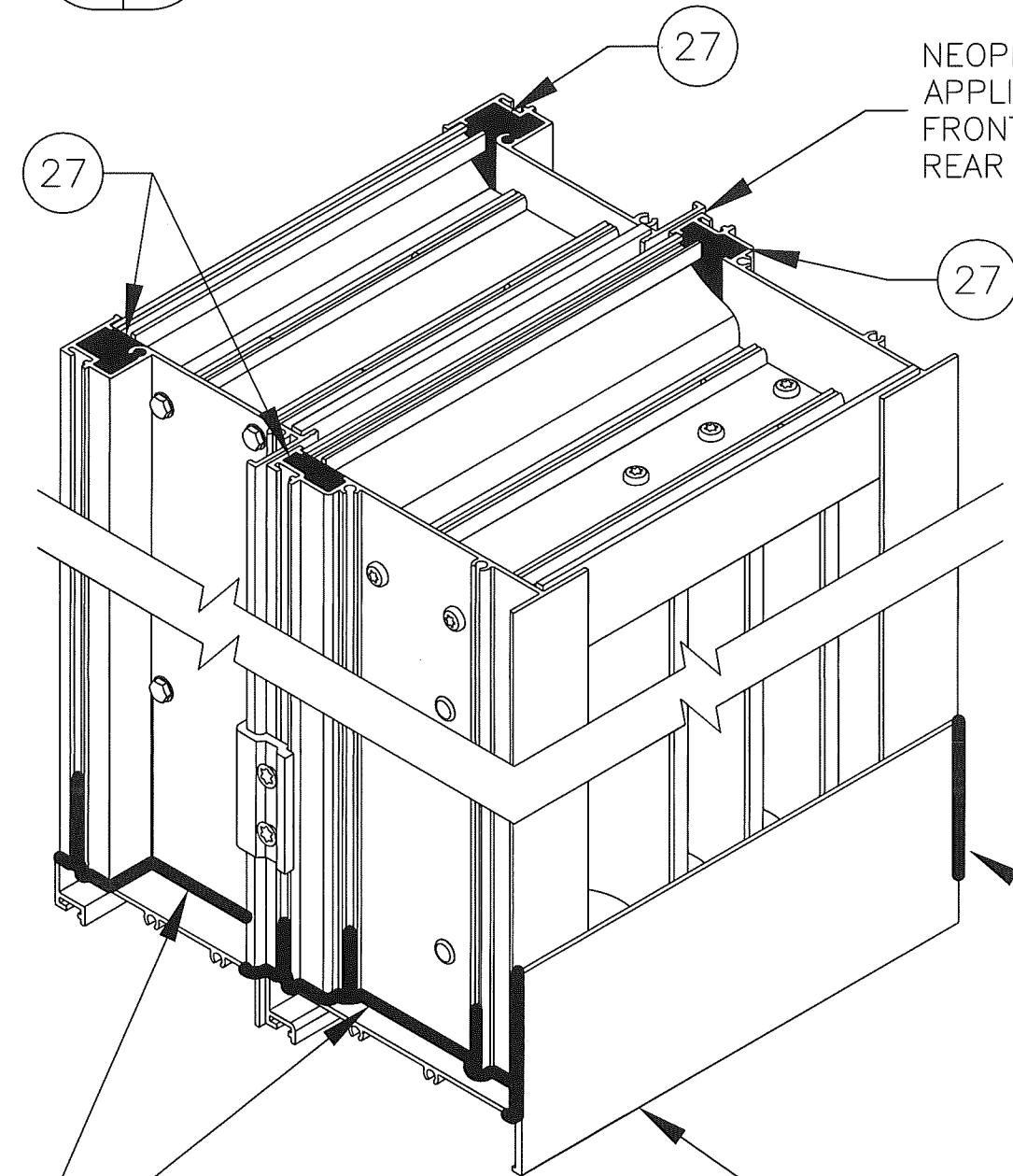
- ITEM 29 STRAP IS NOT REQUIRED FOR NOA. PER MANUFACTURER, ITEM 29 STRAP IS NOT REQUIRED TO PASS AMCA 540 IMPACT LEVEL D (50 ft/s), BUT IS REQUIRED TO PASS AMCA 540 IMPACT LEVEL E (80 ft/s). MIAMI-DADE COUNTY DEPT. OF R.E.R. DOES NOT CURRENTLY EVALUATE OR ENDORSE AMCA 540 PERFORMANCE.
- ALL SHEET METAL PARTS ARE SHOWN AT ACTUAL THICKNESS

10 8

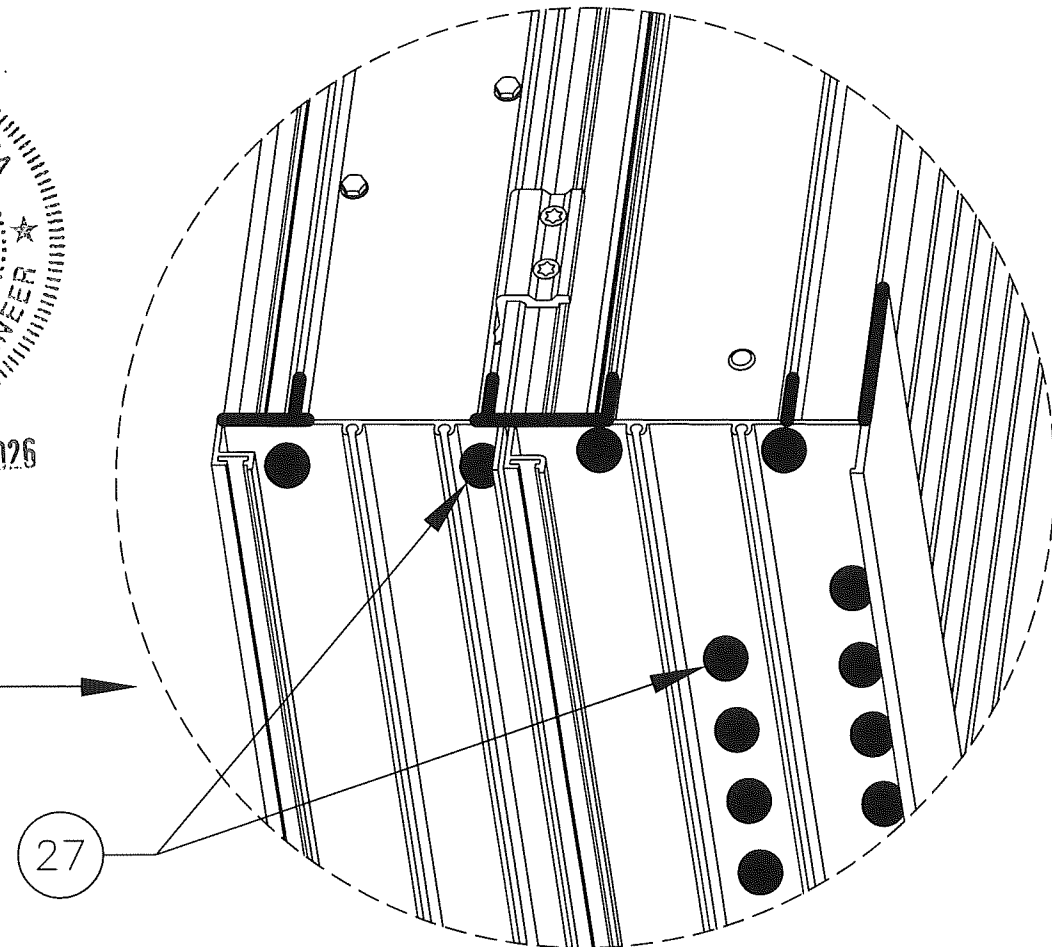
FACTORY SEALING DETAIL

STANDARD VISIBLE JAMB

NEOPRENE TAPE AND SEALANT
APPLIED TO REAR FACE OF
FRONT MODULE PRIOR TO
REAR MODULE ATTACHMENT



SEAL ALL FASTENERS UNDER SILLS
(TYPICAL BOTH LOUVER MODULES)



27 STANDARD SEAL AT JAMB/SILL
CONNECTIONS (TYP. BOTH ENDS)

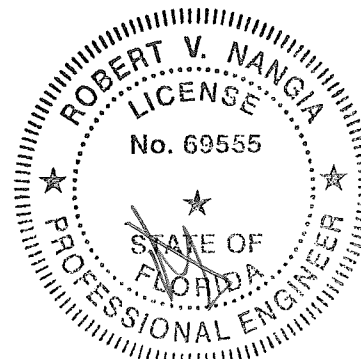
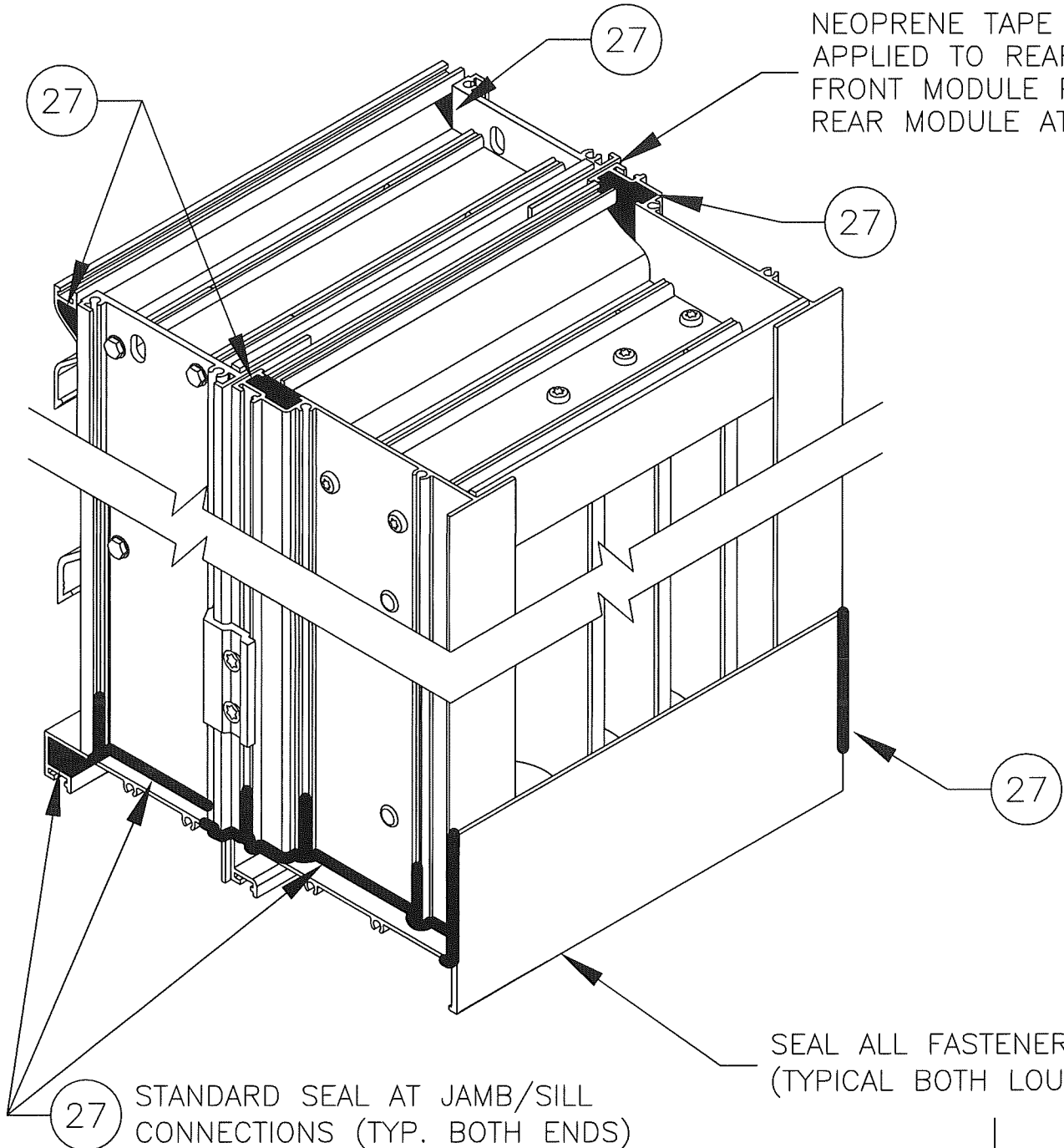
PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0128.03
Expiration Date 07/28/2031
By *[Signature]*
Miami-Dade Product Control

DATE	5/23/2016
DRAWN BY	NAH
SCALE	
SHEET NO.	8 OF 11
CAD DRAWING NO.	EHV-901D

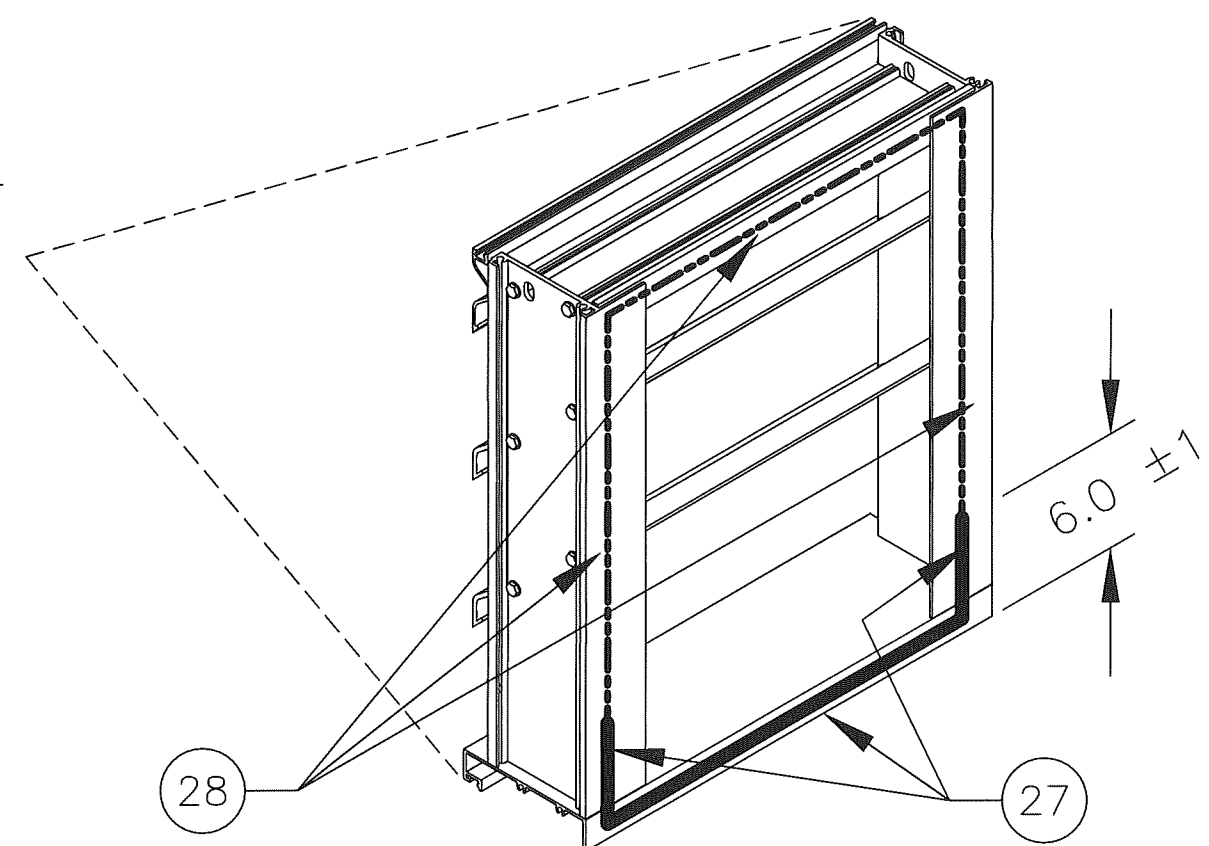
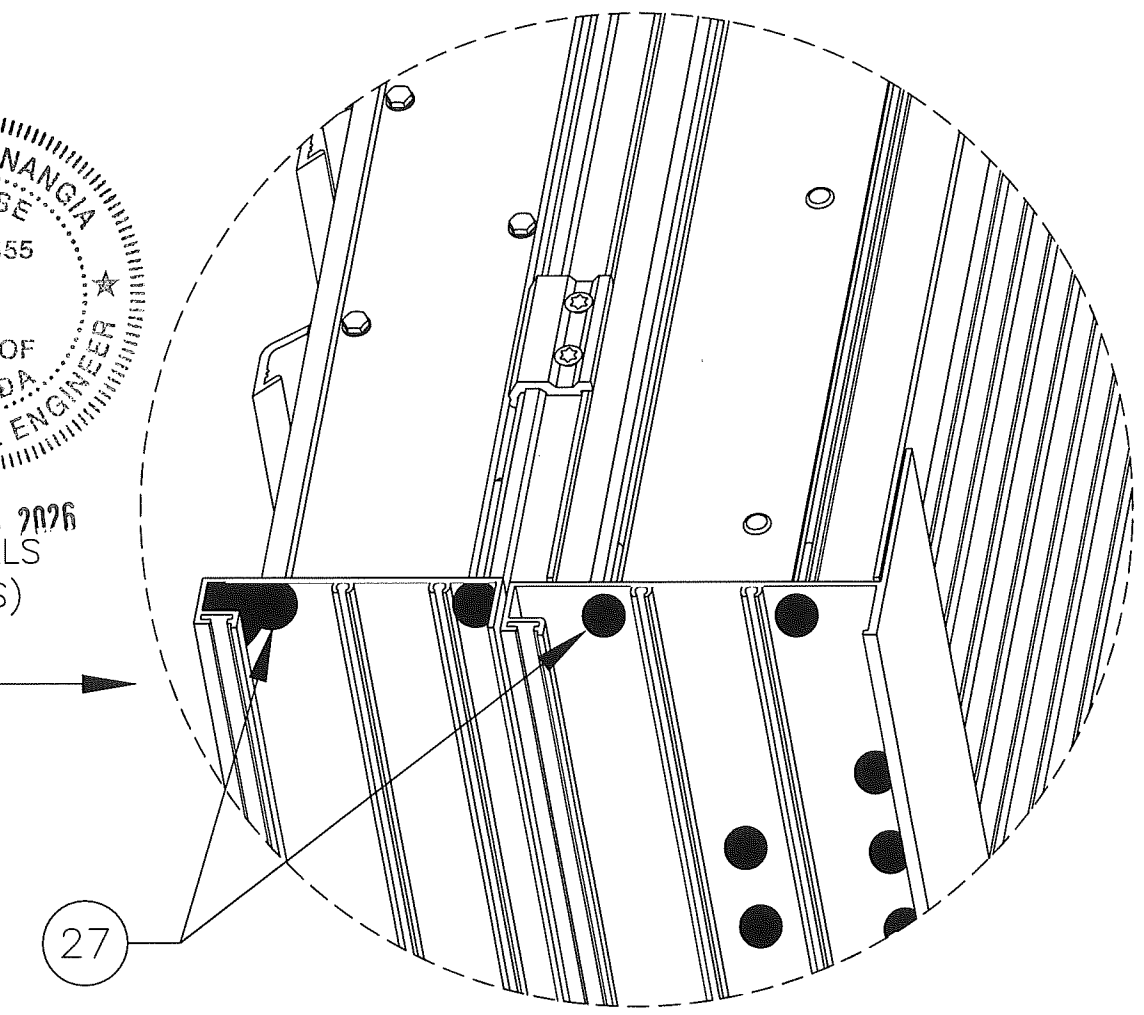


TITLE: EHV-901D, STANDARD JAMB,
SEALING DETAILS

PAGE NOTES:



IAN 05 2026



PRODUCT RENEWED
as complying with the Florida
Building Code
NOA-No. 26-0128.03
Expiration Date 07/28/2031
By 
Miami-Dade Product Control

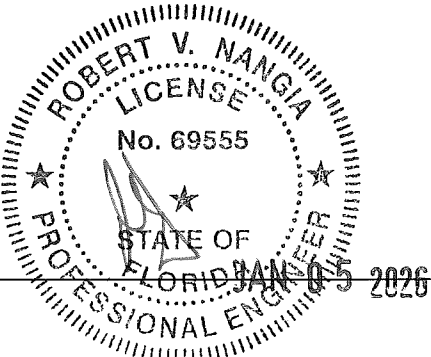
PAGE NOTES:	 GREENHECK P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410			DRAWN BY NAH	DATE 5/23/2016
				SCALE	
	TITLE: EHV-901D, RECESSED JAMB, SEALING DETAILS			SHEET NO. 9 OF 11	
				CAD DRAWING NO. EHV-901D	

PAGE NOTES:

ITEM	DESCRIPTION	MATERIAL	INTERNAL ID#	NOTES
1	HEAD	6063-T5 ALUMINUM	125312	FRONT MODULE
2	BLADE	6063-T5 ALUMINUM	125049	FRONT MODULE (4.25 O.C. SPACING)
3	SILL	6063-T5 ALUMINUM	125917	FRONT MODULE
4	JAMB (STANDARD)	6063-T5 ALUMINUM	125046	FRONT MODULE (W/STANDARD JAMB OPTION)
5	JAMB (RECESSED)	6063-T5 ALUMINUM	125300	FRONT MODULE (W/RECESSED JAMB OPTION)
6	HEAD	6005-T5 ALUMINUM	126069	REAR MODULE
7	BLADE	6005-T5 ALUMINUM	126016	REAR MODULE (1.5 O.C. SPACING)
8	SILL	6005-T5 ALUMINUM	126070	REAR MODULE
9	JAMB	6063-T5 ALUMINUM	126015	REAR MODULE
10	JAMB BLANKOFF ANGLE	5052-H32 ALUMINUM	100175	REAR MODULE
11	COMBINATION SILL WITH BAFFLE	6005-T5 ALUMINUM	N/A	ALLOWED TO REPLACE ITEMS 8 AND 10
12	SILL BAFFLE	5052-H32 ALUMINUM	100172	REAR MODULE
13	CONTINUOUS MOUNTING ANGLE, PRIMARY	6061-T6 ALUMINUM	125967	REAR MODULE, AT HEAD AND SILL ONLY, MILL
14	STANDARD LOUVER JAMB CLIP	6061-T6 ALUMINUM	126128	12.5 MAX. CLIP SPACING (STANDARD JAMBS ONLY)
15	RECESSED LOUVER JAMB CLIP	6061-T6 ALUMINUM	126127	12.5 MAX. CLIP SPACING (RECESSED JAMBS ONLY)
16	JAMB REINFORCEMENT ANGLE	300 SERIES SS	190232	REQUIRED WHEN SECTION HEIGHT > 96.0, MILL
17	#10-16x2.25 SCREW	300 SERIES SS	416351	FRONT MODULE (FRAME CORNERS AND BLADE ENDS)
18	#10-16x1.25 SCREW	300 SERIES SS	416196	REAR MODULE (FRAME CORNERS AND BLADE ENDS)
19	#10x1.0L SCREW	300 SERIES SS	416462	TWO PER CLIP, TYPICAL BOTH CLIP STYLES
20	0.188Ø RIVET	300 SERIES SS		8.0 MAX CENTERS
21	1/4-20 SCREW, HILTI KWIK-FLEX, PROVIDED BY LOUVER MANUFACTURER	COATED STEEL	416581	3.0 MAX CENTERS, 0.5 MIN THREAD
22	SHIM/SEPARATE DISSIMILAR MATL'S AS REQ'D	VARIES	N/A	BY OTHERS AS NEEDED
23	SHIM, NON-COMPRESSIBLE	VARIES	N/A	BY OTHERS, OPTIONAL
24	SEALANT AND BACKER ROD	VARIES	N/A	BY OTHERS, OPTIONAL
25	SUBSTRATE FASTENER - SEE ANCHOR TABLE (PRIMARY MOUNTING ANGLE)	SEE ANCHOR TABLE	N/A	BY OTHERS, MINIMUM OF ONE TYPE REQUIRED, SEE ANCHOR TABLE FOR ADDITIONAL INFORMATION
26	SUBSTRATE - GROUT FILLED CMU	GROUT FILLED CMU	N/A	BY OTHERS, MINIMUM OF ONE SUBSTRATE TYPE REQUIRED. SEE ANCHOR TABLE FOR NEEDED EDGE DISTANCE, SPACING, EMBEDMENT, ETC. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY AND TO FACILITATE SEPARATION OF DISSIMILAR MATERIALS.
	SUBSTRATE - CONCRETE	CONCRETE	N/A	
	SUBSTRATE - STEEL STUD	STEEL	N/A	
	SUBSTRATE - STRUCTURAL STEEL	STEEL	N/A	
	SUBSTRATE - WOOD	WOOD	N/A	
	SUBSTRATE - ALUMINUM	ALUMINUM	N/A	
27	SEALANT	VARIOUS	N/A	FACTORY APPLIED
28	NEOPRENE TAPE	VARIOUS	N/A	FACTORY APPLIED
29	BLADE SUPPORT STRAP	ALUMINUM	N/A	NOT REQUIRED FOR NOA, BUT IS ON UNITS > 72, IS NOT ATTACHED TO JAMBS, CENTERED ON BLADE
30	#10x0.75 SCREW	300 SERIES SS	416108	ONE PER EXPOSED REAR BLADE, USED WITH ITEM 29
31	1/4-14 SCREW, 0.5 MIN THREAD	300/400 SERIES SS	416708	ONLY PROVIDED IF ORDERED WITH ITEM #33, OTHER FASTENER TYPES (BY OTHERS) ALLOWED AS PER FASTENER TABLE FOR ALUMINUM SUBSTRATE.
32	SECONDARY CONTINUOUS MOUNTING ANGLE	VARIES, ALUMINUM	VARIES	0.188 OR 0.25 THICK AS MAT'L TYPE REQUIRES, AT HEAD AND OR SILL ONLY, OPTIONAL, MILL
33	SUBSTRATE FASTENER FOR SECONDARY MOUNTING ANGLE (SEE FASTENER TABLE)	SEE ANCHOR TABLE	N/A	BY OTHERS, MINIMUM OF ONE TYPE REQUIRED, SEE ANCHOR TABLE FOR ADDITIONAL INFORMATION

1. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER TO VERIFY THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURE TO SUPPORT THE LOADS IMPOSED BY THE LOUVER ASSEMBLY. THE LOUVER MANUFACTURER DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE SUBSTRATE STRUCTURE.
2. THE LOUVER HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH MIAMI-DADE COUNTY PROTOCOLS (AND QUALIFIED IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE AND TEST PROTOCOLS/STANDARDS THEREIN):
TAS-201 (LARGE MISSILE IMPACT), TAS-202 (UNIFORM STATIC WIND PRESSURE), TAS-203 (UNIFORM CYCLIC WIND PRESSURE), AND ANSI/AMCA STANDARD 550-15 [EQUIVALENT TO AMCA STANDARD 550-08 AND ANSI/AMCA STANDARD 550-09] (HIGH VELOCITY WIND DRIVEN RAIN)
3. THIS LOUVER HAS BEEN DESIGNED, TESTED, AND APPROVED TO WITHSTAND DESIGN PRESSURES OF UP TO AND INCLUDING +/-130PSF.

4. THE MAXIMUM SINGLE SECTION SIZE IS 60.0" WIDE BY 120.0" INCHES HIGH. SECTIONS MAY BE MOUNTED TO CREATE A MULTI-WIDE ASSEMBLY WITHOUT ANY ADDITIONAL FIELD SUPPORT. SINGLE/MULTIPLE-WIDE ASSEMBLIES MAY BE STACKED TO CREATE A MULTI-HIGH ASSEMBLY PROVIDED THERE IS ADEQUATE SUBSTRATE (DESIGNED AND BY OTHERS) AT THE HEAD AND SILL OF EACH SECTION TO SECURE THE HEAD AND SILL MOUNTING ANGLES TO THE SUBSTRATE AS NOTED HEREIN.
5. GENERAL LOUVER CONSTRUCTION: HEAD, SILL, JAMBS, AND BLADES FOR ALL CASES ARE EXTRUDED ALUMINUM. THE FRONT MODULE BLADE SPACING IS 4.25". THE REAR MODULE BLADE SPACING IS 1.5". BLADES, HEADS, JAMBS, AND SILLS ARE SECURED WITH TWO SCREWS PER END (TYPICAL FRONT AND REAR MODULES).
6. DUE TO PASSING ANSI/AMCA STANDARD 550, THE LOUVER IS DESIGNED TO PREVENT WIND-DRIVEN RAIN FROM PENETRATING THE SPACE BEHIND THE LOUVER. AS SUCH, THE LOUVER MAY BE INSTALLED IN A LOCATION WHERE THE SPACE/ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM OR THE ROOM WILL HOUSE NON-WATER RESISTANT/PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
7. INSTALLER TO PROVIDE SEPARATION OF DIS-SIMILAR MATERIALS AS REQUIRED (SEE CURRENT FLORIDA BUILDING CODE). SEE OLDER 2010 FL BUILDING CODE SECTION 2003.8.4 FOR ADDITIONAL INFORMATION ON SEPARATION OF DIS-SIMILAR MATERIALS.
8. ALL ALUMINUM, STAINLESS STEEL (SS), AND PLATED/COATED STEEL PARTS PROVIDED BY MANUFACTURER ARE INHERENTLY CORROSION RESISTANT OR HAVE A CORROSION RESISTANT COATING.
9. STEEL, STAINLESS STEEL, AND ALUMINUM PARTS MAY BE MADE OUT OF ALTERNATE ALLOYS THAT HAVE EQUAL OR GREATER YIELD STRENGTH. PART DIMENSIONS ARE MINIMUMS UNLESS DEFINED OTHERWISE.
10. THE PART'S INTERNAL ID# SHOWN ON THIS PAGE ARE FOR FACTORY USE AND TRACKING PURPOSES AND MAY BE UPDATED AT ANY TIME. ANY UPDATES WILL NOT ALTER THE ITEM AS DESCRIBED HEREIN. ALL DIMENSIONS ARE IMPERIAL. SS = STAINLESS STEEL.



DATE
5/23/2016

DRAWN BY
NAH

SCALE
1:1

SHEET NO.
10 OF 11

CAD DRAWING NO.
EHV-901D

P.O. BOX 410
SCHOFIELD,
WISCONSIN 54476-0410

TITLE:
EHV-901D,
ITEM DESCRIPTIONS & GENERAL NOTES

PAGE NOTES:

ITEM 25, SUBSTRATE FASTENER FOR CONTINUOUS MOUNTING ANGLE, PRIMARY											
TYPE	MATERIAL	THICKNESS MIN.	DIA.	TYPE (ALL FASTENERS ARE HEX HEAD STYLE)	MAT'L	SPACING MAX.	EDGE MIN.	EMBED. MIN.	WASHER/FLANGE MIN.	ANGLE HOLE MAX.	SUBSTRATE HOLE MAX.
WOOD	G ≥ 0.42	3	1/4	LAG SCREW	*	3	1 1/2	2 7/8	NA	1/4	SEE FASTENER MANUFACTURER INSTRUCTIONS
			3/8					13/16 AT HEAD	3/8		
STEEL	A36	16 GA	1/4-20	BOLT W/ NUT OR THREAD CUTTING/TAPPING SCREW	*	3	3/4	16 GA	NA	5/16	5/16 FOR BOLT & NUT CONNECTION
	A36	14 GA	3/8-16				1	14 GA		13/32	3/8 FOR BOLT & NUT CONNECTION
ALUMINUM	6063-T5	1/8	1/4-20	BOLT W/ NUT OR THREAD CUTTING/TAPPING SCREW	*	3	1/2	1/8	NA	5/16	1/4
		0.132	3/8-16				3/4	0.132	3/4 AT NUT	13/32	3/8
	2 KSI						2 3/8	1 1/2			
	3 KSI						VARIES	1 1/2	1 3/4		1/4
	2.3 KSI						VARIES	1 1/2	1 3/8		1/4
	2.9 KSI						300 SS	2 1/2	1 3/4		1/4
	3.4 KSI						410 SS	2 1/2	1 3/4		1/4
	2.5 KSI						ELCO ULTRACON SS4	2 1/2	1 3/4		1/4
	2 KSI						ELCO CRETE-FLEX SS4, SMALL HEAD	2 1/2	1 3/4		1/4
	3.4 KSI						ELCO CRETE-FLEX SS4, FLANGED HEAD	2 1/2	1 3/4		1/4
	2.5 KSI						POWERS 316 STAINLESS STEEL WEDGE-BOLT	2	1 7/8		5/16
	2 KSI						POWERS WEDGE-BOLT PLUS	1 1/2	1 1/2		5/16
	2.5 KSI						POWERS 316 STAINLESS STEEL WEDGE-BOLT	1 1/4	2 3/8		7/16
	2 KSI						POWERS WEDGE-BOLT PLUS	1 1/8	1 1/2		7/16
CONCRETE	NOTE 1		3/8	CRACKED OR UNCRACKED, POWERS WEDGE-BOLT PLUS	STEEL	6	1 3/4	2 1/8	NA	7/16	SEE FASTENER MANUFACTURER INSTRUCTIONS
	NOTE 2		2				2	1/4			
	NOTE 3		2 1/2				2	1/4			
			2				2 1/2	7/16			
GROUT FILLED CMU			1/4	ELCO AGGRE-GATOR	300 SS	3	2	2	NA	1/4	SEE FASTENER MANUFACTURER INSTRUCTIONS
			3/8	ELCO ULTRACON SS4	410 SS	6	2 1/2	2		1/4	
				POWERS WEDGE-BOLT PLUS	STEEL	6	2	2 1/2		7/16	
ITEM 33, SECONDARY CONTINUOUS MOUNTING ANGLE SUBSTRATE FASTENER											
TYPE	MATERIAL	THICKNESS MIN.	DIA.	TYPE (ALL FASTENERS ARE HEX HEAD STYLE)	MAT'L	SPACING MAX.	EDGE MIN.	EMBED. MIN.	WASHER/FLANGE MIN.	ANGLE HOLE MAX.	SUBSTRATE HOLE MAX.
WOOD	G ≥ 0.42	3	1/4	LAG SCREW	*	3	1 1/2	2 7/8	NA	1/4	SEE FASTENER MANUFACTURER INSTRUCTIONS
STEEL	A36	0.0677	1/4-20	BOLT W/ NUT OR THREAD CUTTING/TAPPING SCREW	*	3	3/4	0.0677	NA	1/4	1/4 FOR BOLT & NUT CONNECTION
ALUMINUM	6063-T5	0.138	1/4-20	BOLT W/ NUT OR THREAD CUTTING/TAPPING SCREW	*	3	1/2	0.138	0.6 AT NUT	1/4	1/4 FOR BOLT & NUT CONNECTION
	6005-T5	1/8						1/8	NA		
	6061-T6										
	2 KSI										
CONCRETE	2.9 KSI	NOTE 4	1/4	BUILDUP TAPCON (BLUE, WHITE, OR 410 SS)	VARIES	3	1 1/2	1 3/4	NA	1/4	SEE FASTENER MANUFACTURER INSTRUCTIONS
	3.4 KSI						1	1 3/4		1/4	
	4 KSI						1	1 3/4		1/4	
							1 3/4	1 7/8		5/16	
							2	1 1/2		5/16	
GROUT FILLED CMU	NOTE 1		1/4	ELCO AGGRE-GATOR	300 SS	3	2	2	NA	1/4	SEE FASTENER MANUFACTURER INSTRUCTIONS
NOTE #: LAG SCREWS SHALL HAVE STRENGTHS OF MINIMUM GRADE 1 STEEL, OTHER BOLT AND SCREWS SHALL HAVE STRENGTHS OF MINIMUM GRADE 2 STEEL.											
NOTE 1: CONCRETE MASONRY (CMU) SHALL BE > THE FOLLOWING: 6' WIDE, CMU CONFORMING TO ASTM C-90 FILLED WITH 4,747 KSI GROUT.											
NOTE 2: CONCRETE MASONRY (CMU) SHALL BE > THE FOLLOWING: 6' WIDE, 2 KSI CMU CONFORMING TO ASTM C-90 WITH 1624 KSI GROUT.											
NOTE 3: CONCRETE MASONRY (CMU) SHALL BE > THE FOLLOWING: 6' WIDE, GRADE N, TYPE II, LIGHT-WEIGHT/MEDIUM-WEIGHT CMU CONFORMING TO ASTM C-90. MORTAR MUST BE TYPE N.											
NOTE 4: VARIES WITH SIZE OF FASTENER USED, SEE FASTENER MANUFACTURER'S INSTRUCTIONS.											
SS = STAINLESS STEEL											

12

11

OPTIONAL SECONDARY CONTINUOUS MOUNTING ANGLE

STANDARD OR RECESSED JAMB FRAME, HEAD IS TYPICAL OF SHOWN SILL SETUP

12.625 AS DRAWN HERE WITH 8" CMU, OVERALL LOUVER DEPTH WITH ITEM 32 WITH A NON-TRIMMED 5" HORIZONTAL LEG IS 14.813" IF WALL DEPTH IS MAXED AT 9.813".

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327

328

329

330

331

332

333

334

335

336

337

338

339

340

341

342

343

344

345

346

347

348

349

350

351

352

353

354

355

356

357

358

359

360

361

362

363

364

365

366

367

368

369

370

371

372

373

374

375

376

377

378

379

380

381

382

383

384

385

386

387

388

389

390

391

392

393

394

395

396

397

398

399

400

401

402

403

404

405

406

407

408

409

410

411

412

413

414

415

416

417

418

419

420

421

422

423

424

425

426

427

428

429

430

431

432

433

434

435

436

437

438

439

440

441

442

443

444

445

446

447

448

449

450

451

452

453

454

455

456

457

458

459

460

461

462

463

464

465

466

467

468

469

470

471

472

473

474

475

476

477

478

479

480

481

482

483

484

485

486

487

488

489

490

491

492

493

494

495

496

497

498

499

500

501

502

503

504

505

506

507

508

509

510

511

512

513

514

515

516

517

518

519

520

521

522

523

524

525

526

527

528

529

530

531

532

533

534

535

536

537

538

539

540

541

542

543

544

545

546

547

548

549

550

551

552

553

554

555

556

557

558

559

560

561

562

563

564

565

566

567

568

569

570

571

572

573

574

575

576

577

578

579

580

581

582

583

584

585

586

587

588

589

590

591

592

593

594

595

596

597

598

599

600

601

602

603

604

605

606

607

608

609

610

611

612

613

614

615

616

617

618

619

620

621

622

623

624

625

626

627

628

629

630

631

632

633

634

635

636

637

638

639

640

641

642

643

644

645

646

647

648

649

650

651

652

653

654

655

656

657

658

659

660

661

662

663

664

665

666

667

668

669

670

671

672

673

674

675

676

677

678

679

680

681

682

683

684

685

686

687

688

689

690

691

692

693

694

695

696

697

698

699

700

701

702

703

704

705

706

707

708

709

710

711

712

713

714

715

716

717

718

719

720

721

722

723

724

725

726

727

728

729

730

731

732

733

734

735

736

737

738

739

740

741

742

743

744

745

746

747

748

749

750

751

752

753

754

755

756

757

758

759

760

761

762

763

764

765

766

767

768

769

770

771

772

773

774

775

776

777

778

779

780

781

782

783

784

785

786

787

788

789

790

791

792

793

794

795

796

797

798

799

800

801

802

803

804

805

806

807

808

809

810

811

812

813

814

815

816

817

818

819

820

821

822

823

824

825

826

827

828

829

830

831

832

833

834

835

836

837

838

839

840

841

842

843

844

845

846

847

848

849

850

851

852

853

854

855

856

857

858

859

860

861

862

863

864

865

866

867

868

869

870

871

872

873

874

875

876

877

878

879

880

881

882

883

884

885

886

887

888

889

890

891

892

893

894

895

896

897

898

899

900

901

902

903

904

905

906

907

908

909

910

911

912

913

914

915

916

917

918

919

920

921

922

923

924

925

926

927

928

929

930

931

932

933

934

935

936

937

938

939

940

941

942

943

944

945

946

947

948

949

950

951

952

953

954

955

956

957

958

959

960

961

962

963

964

965

966

967

968

969

970

971

972

973

974

975

976

977

978

979

980

981

982

983

984

985

986

987

988

989

990

991

992

993

994

995

996

997

998

999

1000

12.625 AS DRAWN HERE WITH 8" CMU, OVERALL LOUVER DEPTH WITH ITEM 32 WITH A NON-TRIMMED 5" HORIZONTAL LEG IS 14.813" IF WALL DEPTH IS MAXED AT 9.813".

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

<