



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

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Greenheck Fan Corporation**  
**P. O. 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 EVH-660D Aluminum Louver

**APPROVAL DOCUMENT:** Drawing No. **EVH-660D**, titled "EVH-660D", sheets 1 through 9 of 9, dated 12/11/2023, prepared by the manufacturer, signed and sealed by Robert V. Nangia, P.E., bearing the Miami-Dade County Product Control revision stamp with the NOA 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, city, state, 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 **revises NOA # 22-0707.08** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



*Ishaq I. Chanda*

**NOA No. 23-1030.05**  
**Expiration Date: October 4, 2027**  
**Approval Date: February 01, 2024**  
**Page 1**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS NOAs**

**A. DRAWINGS “Submitted under NOA # 12-0418.06”**

1. Drawing No. **EVH-660D**, titled “EVH-660D”, sheets 1 through 9 of 9, dated 12/06/2011, prepared by the manufacturer, signed and sealed by Chander P. Nangia, P.E. on 04/06/2012 and 07/19/2012.

**B. TESTS “Submitted under NOA # 12-0418.06”**

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 EVH-660D Aluminum Vertical Louvers, prepared by Architectural Testing, Inc, Report No. **B5211.01-602-18**, dated 03/21/2012, signed and sealed by Shawn G. Collins, P.E.
2. Test Report on Wind Driven Rain Resistance per TAS 100(A)-95 and High Velocity Wind Driven Rain Resistance per AMCA 550-09 of a Model EVH-660D Aluminum Vertical Louvers, prepared by Architectural Testing, Inc, Test Report No. **B5211.02-602-18**, dated 03/21/2012, signed and sealed by Shawn G. Collins, P.E.

**C. CALCULATIONS “Submitted under NOA # 12-0418.06”**

1. Stress, deflection and anchorage calculations prepared by Greenheck Fan Corporation, dated 02/08/2012, signed and sealed by Chander P. Nangia, 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 #16-0201.07”**

1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC issued by Chander P. Nangia, P.E., dated 01/11/2016, signed and sealed by Chander P. Nangia, P.E.

**“Submitted under NOA # 14-0224.10”**

2. Statement letter of code conformance to 2010 FBC, issued by Chander P. Nangia, P.E., dated 02/13/2014, signed and sealed by Chander P. Nangia, P.E.

**“Submitted under NOA # 12-0418.06”**

3. Statement letter of code conformance to 2010 FBC, issued by Chander P. Nangia, P.E., dated 04/02/2012, signed and sealed by Chander P. Nangia, P.E.

**“Submitted under NOA # 12-0418.06”**

4. No financial interest letter issued by Chander P. Nangia, P.E., dated 04/02/2012, signed and sealed by Chander P. Nangia, P.E.

*Ishaq I. Chanda*

**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1030.05**  
**Expiration Date: October 4, 2027**  
**Approval Date: February 01, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. EVIDENCE SUBMITTED UNDER NOA # 17-0807.20**

**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 code conformance to the 5<sup>th</sup> Edition (2014) and 6<sup>th</sup> Edition (2017) FBC and of no financial interest issued by Chander P. Nangia, P.E., dated 07/28/2017, signed and sealed by Chander P. Nangia, P.E.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1030.05**  
**Expiration Date: October 4, 2027**  
**Approval Date: February 01, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. EVIDENCE SUBMITTED UNDER NOA # 21-0526.07**

**A. DRAWINGS**

1. Drawing No. **EVH-660D**, titled “EVH-660D”, sheets 1 through 9 of 9, dated 12/06/2011, prepared by the manufacturer, signed and sealed by Chander P. Nangia, 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 FBC 2020 (7<sup>th</sup> Edition) and of no financial interest issued by Chander P. Nangia, P.E., dated May 13, 2021, signed and sealed by Chander P. Nangia, P.E.

**G. OTHER**

1. This NOA revises NOA #17-0807.20, expiring 10/04/2022.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1030.05**  
**Expiration Date: October 4, 2027**  
**Approval Date: February 01, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. EVIDENCE SUBMITTED previous approval**

**A. DRAWINGS**

1. Drawing No. **EVH-660D**, titled “EVH-660D”, sheets 1 through 9 of 9, dated 06/24/2022, prepared by the manufacturer, signed and sealed by Chander P. Nangia, P.E.

**B. TESTS**

1. Test reports on 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings and installation diagram of Model EVH-660D Aluminum Vertical Louver, prepared by Quast Consulting & Testing, Inc, Report No. **QCT22-6695.01**, dated 07/01/2022, signed and sealed by Arlen Fisher, P.E.

**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 7<sup>th</sup> Edition (2020) of the FBC, and of no financial interest, issued by Chander P. Nangia, P.E., dated 06/24/2022, signed and sealed by Chander P. Nangia, P.E.

*Ishaq I. Chanda*

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**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1030.05**  
**Expiration Date: October 4, 2027**  
**Approval Date: February 01, 2024**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**3. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **EVH-660D**, titled “EVH-660D”, sheets 1 through 9 of 9, dated 12/11/2023, prepared by the manufacturer, signed and sealed by Robert N. Nangia, 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 FBC 2023 (8<sup>th</sup> Edition) and of no financial interest issued by Robert V. Nangia, P.E., dated 10/26/23, signed and sealed by Chander P. Nangia, P.E.

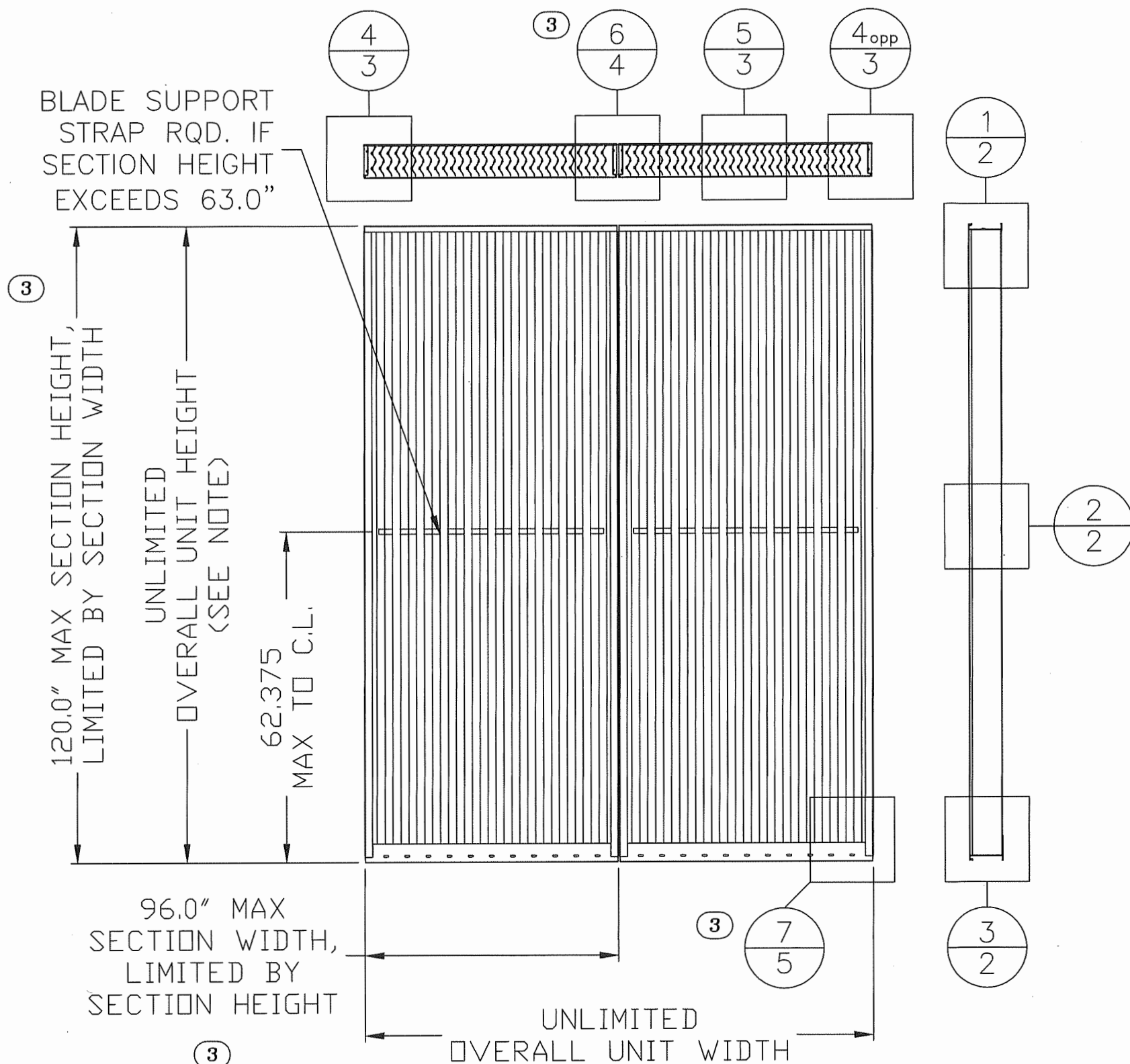
**G. OTHER**

1. *This NOA revises NOA # 22-0707.08, updates to FBC 2023, expiring 10/04/27.*

*Ishaq I. Chanda*

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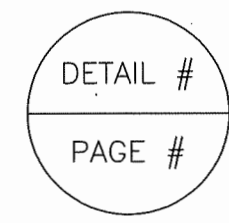
**Ishaq I. Chanda, P.E.**  
**Product Control Unit Supervisor**  
**NOA No. 23-1030.05**  
**Expiration Date: October 4, 2027**  
**Approval Date: February 01, 2024**



NOTE: SECTIONS MAY BE STACKED VERTICALLY PERMITTING THERE IS SUITABLE LOAD-BEARING STRUCTURE (BY OTHERS) AT THE HEAD/SILL LOCATIONS FOR ATTACHMENT OF THE CONTINUOUS MOUNTING ANGLES.

MAXIMUM SECTION SIZES:  
 WIDTH HEIGHT  
 48.0" X 120.0" (AS SHOWN)  
 60.0" X 96.0"  
 96.0" X 60.0"

DETAIL CALLOUT



DESIGN PRESSURE:  
 +/- 150 PSF

DESCRIPTION	REV #	DATE
ADDED PSF RATING, ADDED MAX SIZES, RE-NUMBERED DETAIL CALLOUTS, RE-WORDED HEIGHT & WIDTH DIM.	3	06/24/2022

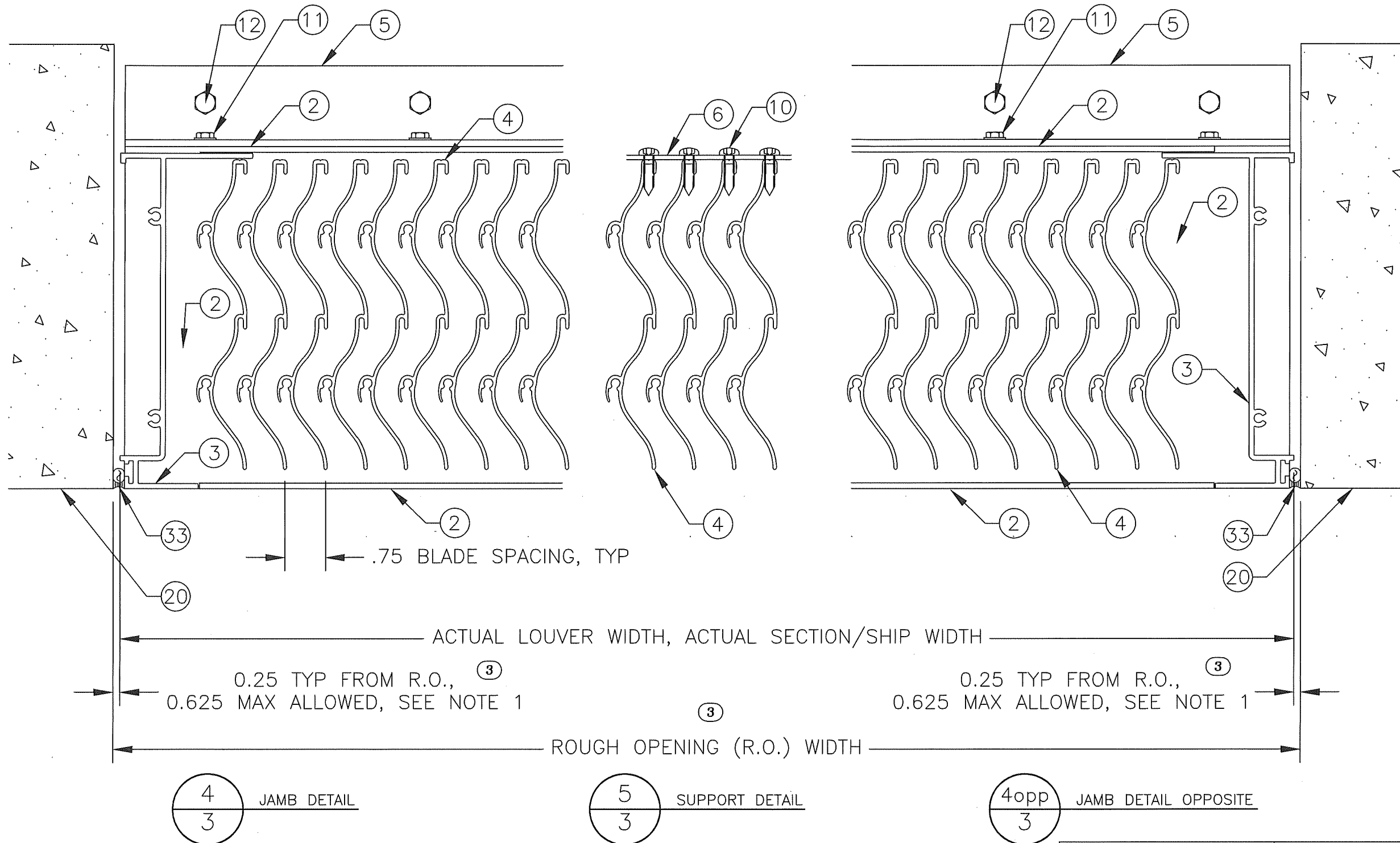
Robert V. Nangia P.E.  
 7423 Hollow Ridge Drive  
 Houston, Texas 77095

DRAWN BY MES SCALE GREENHECK P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DATE 6/24/22	SHEET NO. 1 OF 9 CAD DRAWING NO. EVH-660D
	TITLE EVH-660D ELEVATION	
<b>PRODUCT REVISED</b> as complying with the Florida Building Code NOA-No. 23-1030.05 Expiration Date 10/04/2027 By Ishag I. Chande Miami-Dade Product Control		





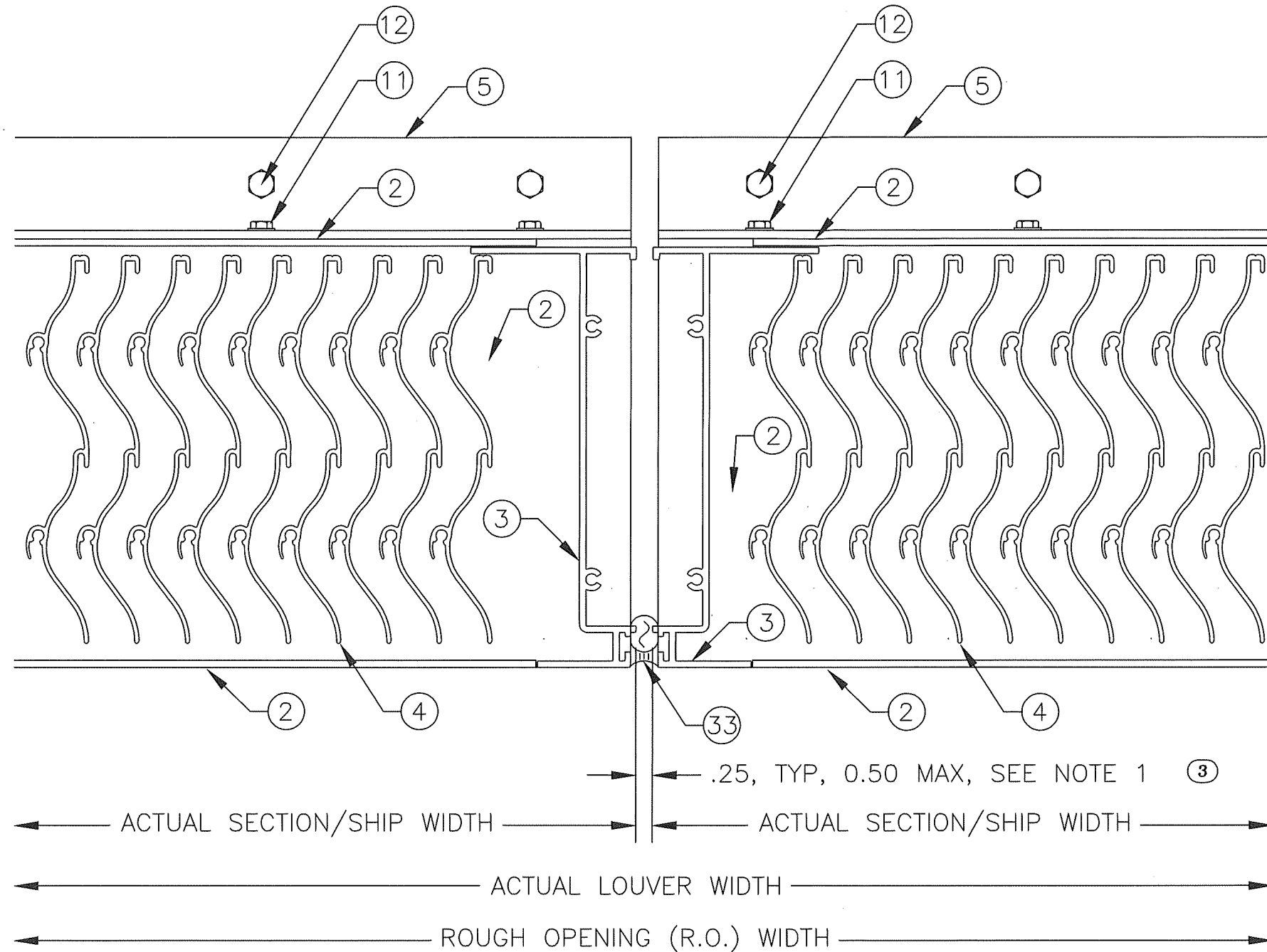




NOTE 1: END GAP MUST COMPLY TO  
SEALANT MANUFACTURE'S JOINT  
PERFORMANCE RECOMMENDATIONS.

DESCRIPTION	REV #	DATE
GAP NOTE & SEALING NOTE	(1)	02/05/2014
REPLACED "NOM." WITH "ROUGH OPENING"	(3)	06/24/2022

<b>GREENHECK</b> P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY MES	DATE 6/24/22
	SCALE	
TITLE EVH-660D	SHEET NO. 3 OF 9	
	CAD DRAWING NO. EVH-660D	
<b>PRODUCT REVISED</b> as complying with the Florida Building Code NOA-No. 23-1030.05 Expiration Date 10/04/2027 By <u>Ishag I. Chank</u> Miami-Dade Product Control		



(3) 

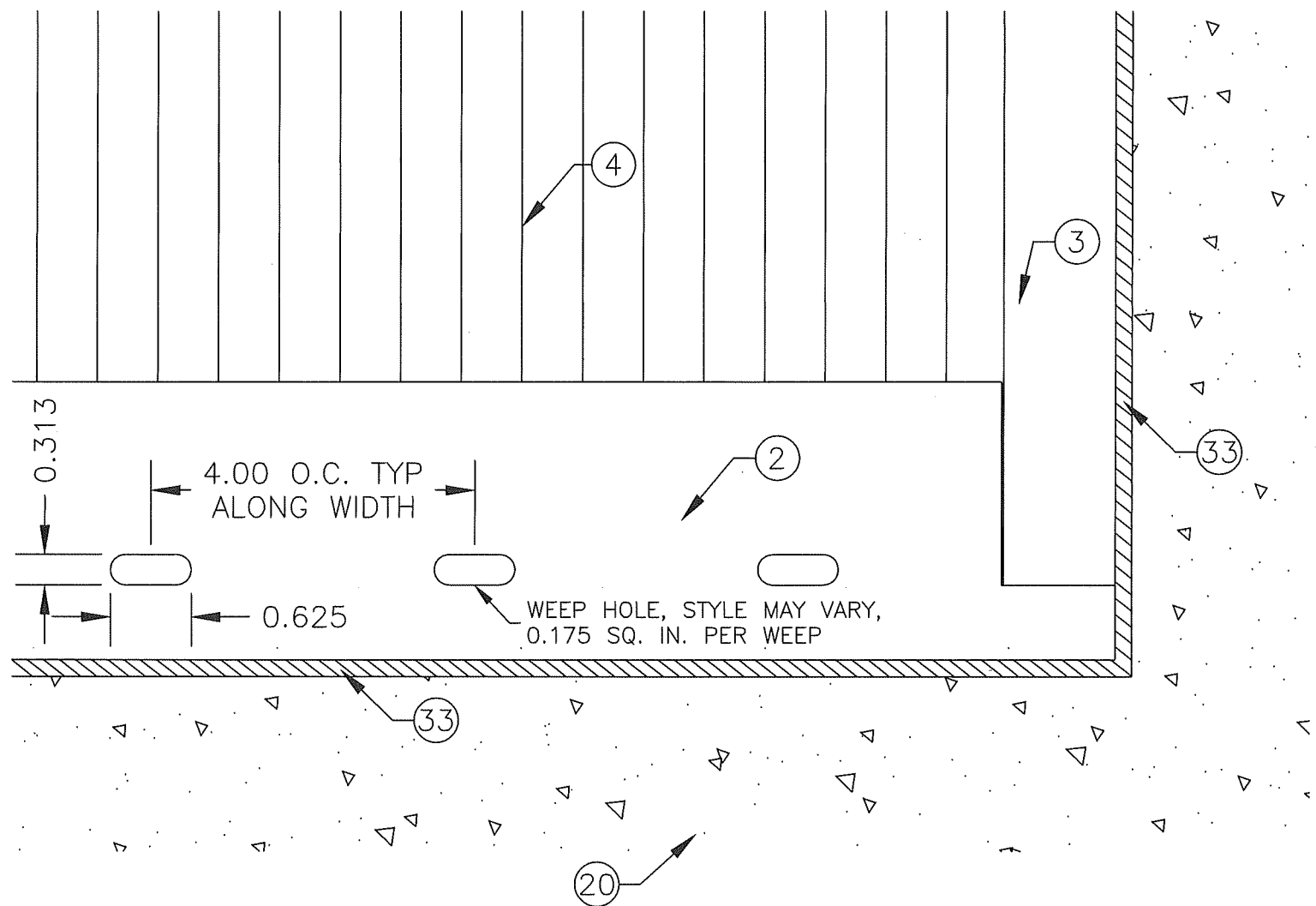
6
4

 MULLION DETAIL

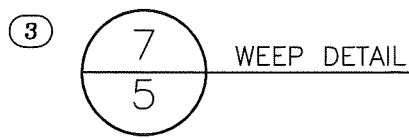
(3) NOTE 1: GAP MUST COMPLY TO SEALANT MANUFACTURE'S JOINT PERFORMANCE RECOMMENDATIONS.

DESCRIPTION	REV #	DATE
GAP NOTE & SEALING NOTE	(1)	02/05/2014
WAS DETAIL 5, UPDATED GAP FROM TO 0.25" AND ADDED 0.50 MAX, MOVED ACTUAL WIDTH TO NEW LINE, REPLACED "NOM." WITH "ROUGH OPENING", CORRECTED NOTE 1 WORDING	(3)	06/24/2022

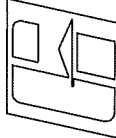
 <b>GREENHECK</b> P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY <b>MES</b>	DATE <b>6/24/22</b>	SHEET NO.  <b>4 OF 9</b>	CAD DRAWING NO.  <b>EVH-660D</b>
	SCALE	TITLE  <b>EVH-660D</b>  <b>MULLION DETAIL</b>		
<b>PRODUCT REVISED</b> as complying with the Florida Building Code NOA-No. <u>23-1030.05</u> Expiration Date <u>10/04/2027</u> By <u>Ishag I. Chank</u> <b>Miami-Dade Product Control</b>				



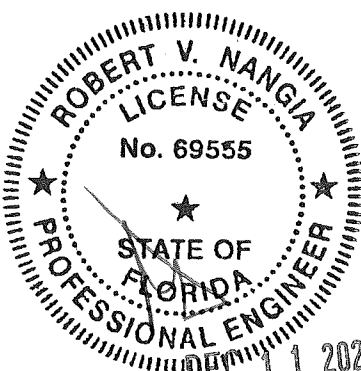
VIEW OF EXTERIOR FACE OF LOUVER,  
LOWER RIGHT CORNER



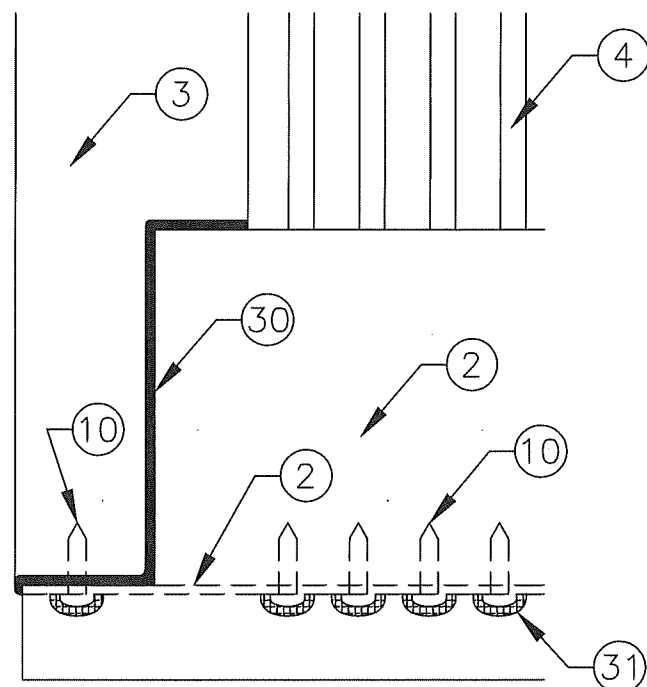
DESCRIPTION	REV #	DATE
WAS DETAIL 6	3	06/24/2022

 <b>GREENHECK</b> P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY MES	DATE 6/24/22
	SCALE	SHEET NO. 5 OF 9
TITLE EVH-660D WEEP HOLE DETAIL		
CAD DRAWING NO. EVH-660D		

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 23-1030.05  
 Expiration Date 10/04/2027  
 By Ishag I. Chank  
 Miami-Dade Product Control

  
 DEC 11 2023

DARKENED AREAS INDICATE AREAS SEALED BY FACTORY, TYP AT BOTH SILL ENDS AND ALL BLADE-SILL AND JAMB-SILL FASTENERS. SCREWS ALLOWED TO USE A GASKET FOR SEALING VS A "WET" APPLIED SEAL OVER THE TOP OF THE SCREW.



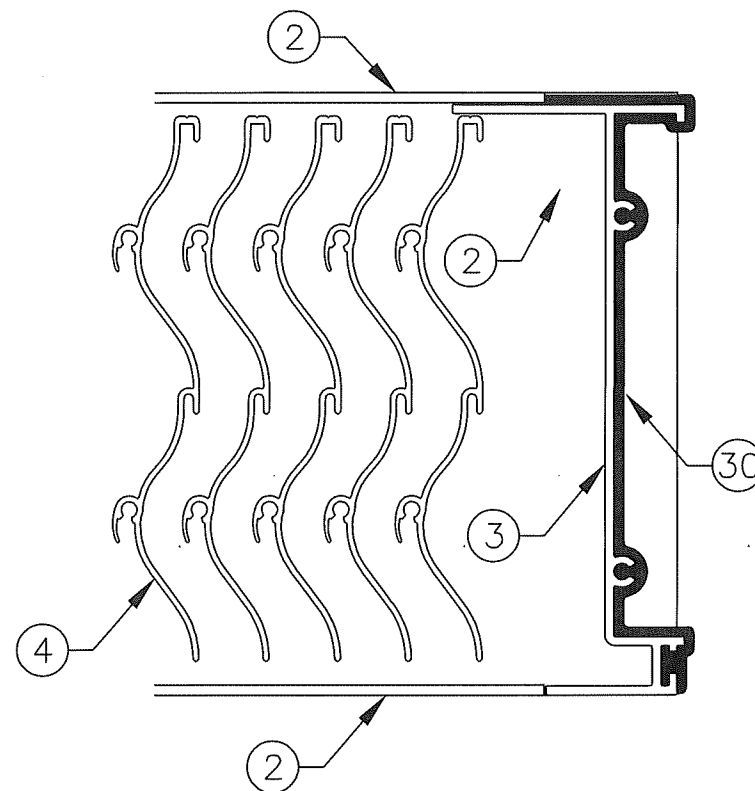
VIEW OF INTERIOR FACE OF LOUVER,  
LOWER LEFT CORNER

③ 

8
6

 SEALING DETAIL 1

DARKENED AREAS INDICATE AREAS SEALED BY FACTORY, TYP AT BOTH SILL ENDS.



SECTIONAL VIEW,  
LOOKING AT SILL

③ 

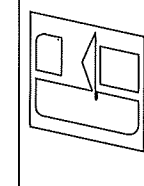
9
6

 SEALING DETAIL 2

DESCRIPTION	REV #	DATE
PREVIOUSLY DETAILS 7 & 8	③	06/24/2022

DRAWN BY MES	DATE 6/24/22
SCALE	
SHEET NO. 6 OF 9	
CAD DRAWING NO. EVH-660D	

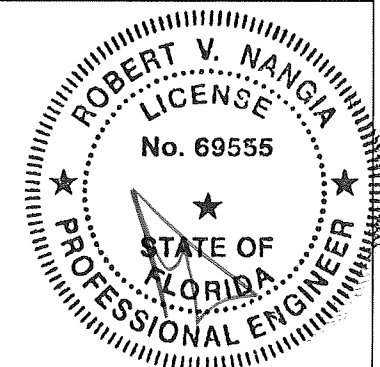
**GREENHECK**  
P.O. BOX 410 SCHOFIELD,  
WISCONSIN 54476-0410



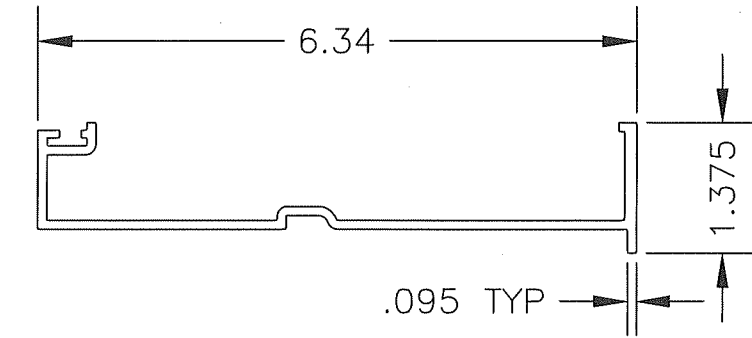
EVH-660D

SEALING DETAILS

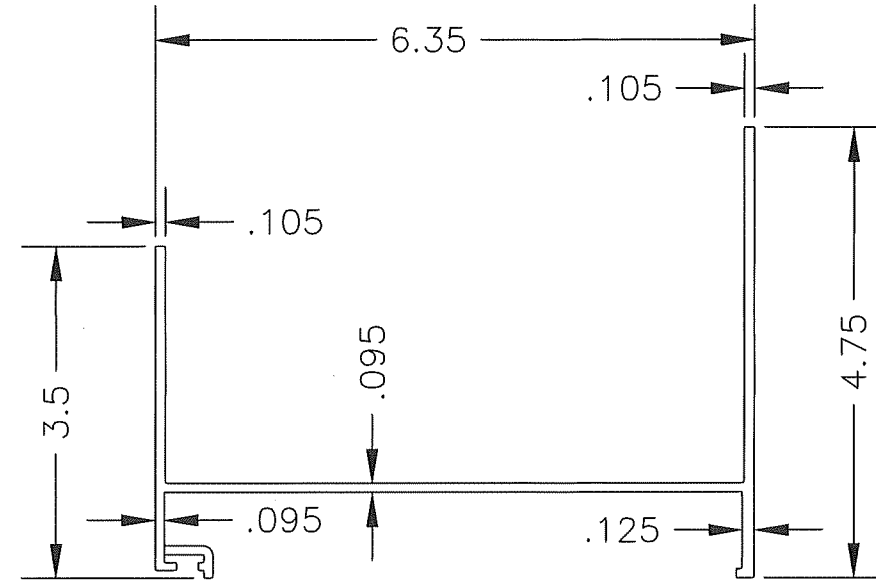
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1030.05  
Expiration Date 10/04/2027  
By Ishaq I. Chank  
Miami-Dade Product Control



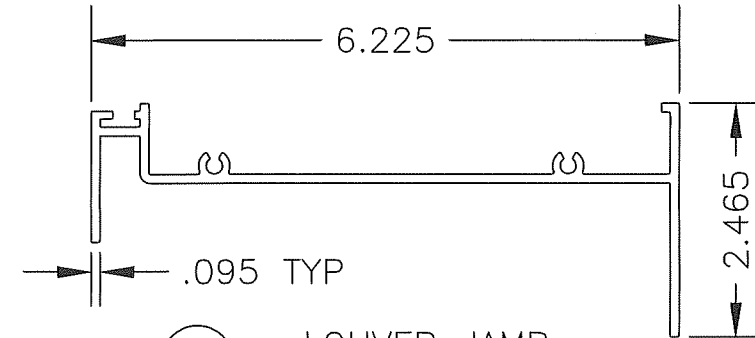
DEC 11 2023



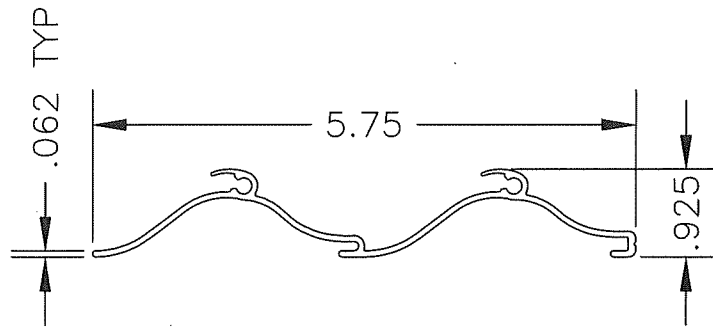
1 LOUVER HEAD  
6063-T5 ALUMINUM



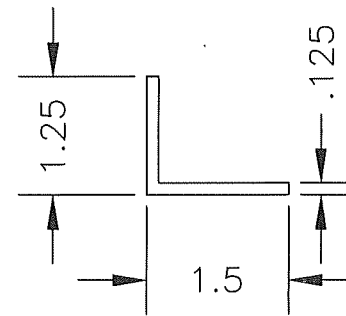
2 LOUVER SILL  
6063-T5 ALUMINUM



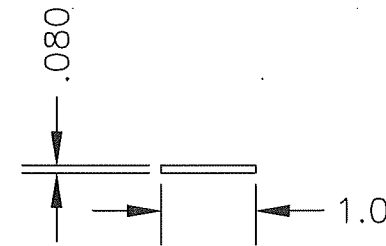
3 LOUVER JAMB  
6063-T5 ALUMINUM



4 LOUVER BLADE  
6063-T5 ALUMINUM




5 CONTINUOUS MOUNTING ANGLE  
6061-T6 ALUMINUM

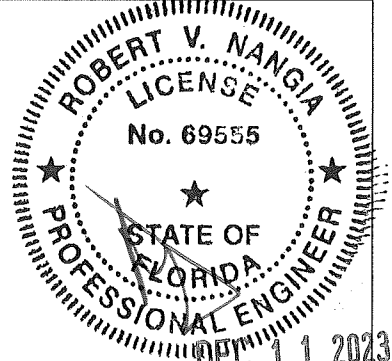


6 BLADE SUPPORT STRAP  
6061-T6, 5052-H32,  
3003-H14, OR 1100-H14  
ALUMINUM

ALL SHOWN DIMENSIONS ARE MINIMUMS

 P.O. BOX 410 SCHOFIELD, WISCONSIN 54476-0410	DRAWN BY MES	DATE 6/24/22
	SCALE	SHEET NO. 7 OF 9
TITLE EVH-660D PROFILE DETAILS		
CAD DRAWING NO. EVH-660D		

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 NOA-No. 23-1030.05  
 Expiration Date 10/04/2027  
 By Ishag I. Chank  
 Miami-Dade Product Control





CONTINUOUS ANGLE TO LOUVER FRAME SCREW	
FASTENER NUMBER	11
DESCRIPTION	1/4"-14 OR 1/4"-20 SCREW, 300 OR 400 SERIES SS, OR COATED STEEL
LOUVER HEIGHT (IN.)	SPACING (IN.)
>84 & ≤120	2
>0 & ≤84	4

③

1/4" TAPCON SCREW FASTENER TABLE			
FASTENER NUMBER	12B		
DESCRIPTION	1/4" TAPCON, 410 SS		
SUBSTRATE	CONCRETE OR CMU (GROUT FILLED)		
MINIMUM	3,192 KSI CONCRETE OR 3,192 KSI GROUT		
EDGE DISTANCE (MIN)	1 IN.	1-1/2 IN.	2-1/2 IN.
PENETRATION (MIN)	1-3/4 IN.		
LOUVER HEIGHT (IN.)	SPACING (IN.)		
>108 & ≤120	2	2	4
>96 & ≤108	2	4	4
>72 & ≤96	2	4	6
>48 & ≤72	4	6	6
>0 & ≤48	6	6	6

③

LAG SCREW, SCREW, & BOLT W/NUT FASTENER TABLE				
FASTENER NUMBER	12C	12D	12E	
DESCRIPTION	3/8" LAG SCREW, 300 SERIES SS	1/4" LAG SCREW, 300 SERIES SS	1/4"-20 SCREW OR BOLT W/NUT, 300 SERIES SS	
SUBSTRATE	WOOD		STEEL	
MINIMUM	G=.42		A36 STEEL OR Fy>=36 KSI	
EDGE DISTANCE (MIN)	1-1/2 IN.		1/2 IN.	
PENETRATION (MIN)	2-3/4 IN.		16GA (0.06 IN.)	3/16 IN.
LOUVER HEIGHT (IN.)	SPACING (IN.)		SPACING (IN.)	
>84 & ≤120	6	4	6	6
>0 & ≤84	6	6	6	6

③

DESCRIPTION	REV #	DATE
REVISED LIMITS OF MAX SPACING	①	02/05/2014
REFORMATTED FASTENER 11 TABLE ADDED 1/4-14 TO ITEM 11, ADDED STAINLESS STEEL TO ALL DESCRIPTIONS, DELETED POWERS WEDGE BOLT TABLE	③	06/24/2022

DRAWN BY  
MES

DATE  
6/24/22

SCALE

SHEET NO.  
8 OF 9

CAD DRAWING NO.  
EVH-660D

GREENHECK

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

EVH-660D

FASTENER TABLES

PRODUCT REVISED  
as complying with the Florida  
Building Code  
NOA-No. 23-1030.05  
Expiration Date 10/04/2027  
By Ishag I. Chank  
Miami-Dade Product Control

ROBERT V. NANGIA  
LICENSE  
No. 69555  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

2023



ITEM	DESCRIPTION	MATERIAL	NOTES
1	LOUVER HEAD	ALUM	-
2	LOUVER SILL	ALUM	-
3	LOUVER JAMB	ALUM	-
4	LOUVER BLADE	ALUM	3/4" SPACING
5	CONTINUOUS MOUNTING ANGLE	ALUM	AT HEAD AND SILL ONLY
6	BLADE SUPPORT STRAP, FOR HEIGHTS > 60.875" ONLY	ALUM	NOT ATTACHED TO JAMBS
-	-	-	-
10	#10-16 x 3/4" MIN SCREW ③	300 SS**	-
11	1/4-20 x 1" MIN SCREW	STEEL*, SS	300 OR 400 SERIES SS, OPTIONAL: 1/4-14 ③
12A	ITEM DELETED	-	-
12B	1/4" TAPCON SCREW	410 SS	SEE FASTENER TABLE PAGE
12C	3/8" LAG SCREW	300 SS**	SEE FASTENER TABLE PAGE
12D	1/4" LAG SCREW	300 SS**	SEE FASTENER TABLE PAGE
12E	1/4-20 SCREW OR 1/4-20 BOLT W/NUT	300 SS**	SEE FASTENER TABLE PAGE
-	-	-	-
20A	CONCRETE, 3,192 KSI MIN ③	CONCRETE	NOT BY MANUFACTURER
20B	CMU, 3,192 KSI MIN GROUT FILLED ③	CONCRETE	NOT BY MANUFACTURER
20C	STRUCTURAL STEEL, 3/16" MIN	STEEL	NOT BY MANUFACTURER
20D	STEEL STUD, 16GA MIN	STEEL	NOT BY MANUFACTURER
20E	WOOD SUBSTRATE, G=0.42 MIN DENSITY	WOOD	NOT BY MANUFACTURER
-	-	-	-
30	SEALANT, FACTORY APPLIED	VARIES	FACTORY APPLIED
31	SEALED SCREW HEAD, FACTORY APPLIED	VARIES	FACTORY APPLIED
32	SHIMS, OPTIONAL, AS REQUIRED, INCOMPRESSIBLE	VARIES	NOT BY MANUFACTURER
33	SEALANT AND BACKER ROD	VARIES	NOT BY MANUFACTURER

(STEEL/STAINLESS-STEEL/ALUMINUM PARTS MAY BE MADE OUT OF ALTERNATE ALLOY THAT HAS EQUAL OR GREATER YIELD STRENGTH)

\* STEEL MUST HAVE CORROSION RESISTANT COATING.  
\*\* 300 SERIES STAINLESS STEEL ③

DESCRIPTION	REV #	DATE
REVISED NOTE 2 FBC REFERENCE	②	01/11/2016
CORRECTED ITEM 10 THREADS, ADDED 1/4-14 OPTION TO ITEM 11, DELETED STEEL OPTIONS FROM ITEMS 10 AND 12, DELETED ITEM 12A POWERS WEDGE BOLT, UPDATED ITEMS 20A & 20B & NOTE 10 MIN PSI VALUE, ADDED ** NOTE, SIMPLIFIED NOTE 3, UPDATED NOTE 5 MAX SIZES, DELETED FBC REFERENCE FROM NOTE 14	③	06/24/2022

GENERAL NOTES:

1. 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 PENTHOUSE ASSEMBLY.
2. THIS LOUVER HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH MIAMI-DADE COUNTY PROTOCOLS [AND QUALIFIED IN ACCORDANCE WITH THE CURRENT FLORIDA BUILDING CODE (FBC) AND TEST PROTOCOLS/STANDARDS]:  
TAS-201 (LARGE MISSILE IMPACT)  
TAS-202 (UNIFORM STATIC PRESSURE)  
TAS-203 (CYCLIC FATIGUE)  
TAS-100(A) (WIND-DRIVEN RAIN)  
AMCA STANDARD 550 (WIND-DRIVEN RAIN)
3. THIS LOUVER HAS BEEN DESIGNED, TESTED, AND APPROVED TO WITHSTAND DESIGN PRESSURES OF +/-150 PSF. ③
4. THE LOUVER MAY BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM OR THE ROOM WILL HOUSE NON-WATER RESISTANT OR WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
5. THE MAXIMUM SINGLE SECTION SIZES ARE 48"x120", 60"x96", AND 96"x60" (WxH). THE MAXIMUM OVERALL/ASSEMBLED SIZE IS UNLIMITED WIDE (BY USE OF MULTIPLE SECTIONS) BY 120" HIGH. SECTIONS/ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDED THERE IS SUITABLE STRUCTURAL SUPPORT (DESIGNED AND INSTALLED BY OTHERS) TO SUPPORT ALL LOADS TRANSFERRED FROM THE LOUVER HEAD AND/OR SILL TO THE SUBSTRATE. ③
6. A HORIZONTAL BLADE SUPPORT STRAP IS REQUIRED IF SECTION HEIGHT IS GREATER THAN 63".
7. ALL WOOD SUBSTRATE SHALL BE G = 0.42 DENSITY OR BETTER.
8. ALL STEEL STUD SUBSTRATE SHALL BE MIN. 16 GA. FY = 36 KSI.
9. ALL STRUCTURAL STEEL SUBSTRATE SHALL BE MIN. 3/16" THICK FY = 36 KSI.
10. ALL CONCRETE SUBSTRATE SHALL BE MIN. 3,192 PSI. ③
11. CONCRETE MASONRY SHALL BE MINIMUM OF: 6" WIDE, GRADE N, TYPE II, LIGHT/MEDIUM/NORMAL WEIGHT CMU CONFORMING TO ASTM C90, AND MIN. 1,500 PSI GROUT-FILLED.
12. LOUVER CONSTRUCTION: HEAD, SILL, JAMBS, AND BLADES ARE SQUARE CUT AT BOTH ENDS. BLADE SPACING IS 3/4" MAX. BLADES ARE SECURED TO THE HEAD/SILL WITH (2) SCREWS PER BLADE END. EACH JAMB IS SECURED TO THE SILL AND HEAD WITH (2) SCREWS PER JAMB END.
13. THE LOUVER MANUFACTURER DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE SUBSTRATE STRUCTURE.
14. INSTALLER TO PROVIDE SEPARATION OF DISSIMILAR MATERIALS AS REQUIRED. ③

DRAWN BY  
MES

DATE  
6/24/22

SCALE

SHEET NO.  
9 OF 9

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



TITLE  
EVH-660D

DESCRIPTIONS & GENERAL NOTES

EVH-660D

CAD DRAWING NO.  
EVH-660D

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
NOA-No. 23-1030.05  
Expiration Date 10/04/2027  
By Ishaq I. Chank  
Miami-Dade Product Control

