



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

Ruskin Company
3900 Dr. Greaves Road
Grandview, MO 64030

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model EME6625D Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-021563-00D**, titled "EME6625D Installation", sheets 1 through 17 of 17, prepared by Ruskin Company, dated 03/13/1998 and 03/16/2018, with revision **L** dated 11/29/2021, signed and sealed by Jeffrey D. Smith, P.E. on 12/17/2021, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Geneva, AL and Juarez, Mexico, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # **22-0203.04** 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 **Sifang Zhao, P.E.**



S.Z.
02/01/2024

NOA-No. 23-1116.05
Expiration Date: January 28, 2027
Approval Date: February 01, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA'S

A. DRAWINGS “*Submittal under NOA # 15-0930.10*”

1. Drawing No. **60-021563-00D/00B**, titled “EME6625D & CD50”, sheets 1 through 38 of 38, prepared by Ruskin Company, dated 03/16/1998, 11/22/1996, 04/13/1998, 10/15/1998, 03/02/2007 and 06/04/2010, with last revision J dated 09/22/2015, signed and sealed by Chelsea GQ Welch, P.E.

B. TESTS “*Submitted under NOA # 06-1205.08*”

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 EME6625D 6” Aluminum Louvers, prepared by National Certified Testing Laboratories, Report No. **210-3359-1**, dated 11/27/2006, signed and sealed by Gerard J. Ferrara, P.E.
2. Test Report on Wind Driven Rain Resistance per TAS 100(A)-95 of a vertical blade louver Model EME6625D with CD50 Damper, prepared by Architectural Testing Report No. **64940.01-109-44**, dated 06/23/2006, signed and sealed by Steven M. Urich, P.E.
3. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test "Aluminum Louver Assemblies with Damper", prepared by Construction Research Laboratories, Inc., Test Report No. **6496**, dated 05/13/1998, signed and sealed by N.S. Balsara, P.E.
4. Test Report on Large Missile Impact Test, Cyclic Wind Pressure Test “Aluminum Louver Assembly with Damper”, prepared by Construction Research Laboratories, Inc., Test Report No. **6550**, dated 12/09/1998, signed and sealed by N.S. Balsara, P.E.

C. CALCULATIONS “*Submittal under NOA # 15-0930.10*”

1. Wind load review prepared by Ruskin Company, dated 09/22/2015, signed and sealed by Chelsea GQ Welch, P.E.

“*Submitted under NOA # 06-1205.08*”
2. EME6625D alternate attachment method, prepared by Ruskin Company, dated 10/18/2010, signed and sealed by Daniel J. Rau, P.E.
3. Louver/Damper Blade & Mullion Calculations, dated 05/11/1998, pages 1 to 7 of 7 with appendix A, prepared by R. E. Beason II, signed and sealed by E. P. Hutson Jr., P.E.
4. Louver/Damper Blade & Mullion Calculations, dated 10/20/1998, pages 1 to 7 of 7, with appendix A, prepared by R. E. Beason II, signed and sealed by E. P. Hutson Jr., P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.



Sifang Zhao, P.E.
Product Control Examiner
NOA-No. 23-1116.05
Expiration Date: January 28, 2027
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F. STATEMENTS

1. Testing contract letter issued by National Certified Testing Laboratories, dated 08/15/2016, signed by Christopher Bennett.
2. Distributor agreement dated 09/22/2016.

“Submittal under NOA # 15-0930.10”
3. Statement letter of code conformance to the 5th edition (2014) FBC issued by Ruskin Company, dated 09/22/2015, signed and sealed by Chelsea GQ Welch, P.E.
4. Statement letter of code conformance to 2010 FBC, issued by Ruskin Company, dated 06/13/2012, signed and sealed by Daniel J. Rau, P.E. *“Submitted under NOA # 12-0628.06”*
5. Statement letter of no financial interest issued by Ruskin Company, dated 12/15/2011, signed and sealed by William J. Mossie, P.E. *“Submitted under NOA # 11-1229.04”*

2. EVIDENCE SUBMITTED UNDER PREVIOUS NOA # 18-0821.08

A. DRAWINGS

1. Drawing No. **60-021563-00D**, titled “EME6625D Installation”, sheets 1 through 13 of 13, prepared by Ruskin Company, dated 03/13/1998 and 03/16/2018, with revision **K** dated 06/18/2018, signed and sealed by Melissa M. Massar, P.E. on 09/28/2018.

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 EME6625D Aluminum Fixed Shaped Louver, prepared by National Certified Testing Laboratories, Report No. **NCTL-210-4113-03**, dated 06/13/2018, signed and sealed by Douglas J. McDougall, P.E.
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 Model EME6625D Aluminum Rectangular Louver, prepared by National Certified Testing Laboratories, Report No. **NCTL-210-4113-01**, dated 06/13/2018, signed and sealed by Douglas J. McDougall, P.E.
3. Test Report on High Velocity Wind Driven Rain Resistance per AMCA 550-15 on a Model EME6625D vertical aluminum louver, prepared by Intertek, Report No. **H9969.02-801-44R3**, dated 03/05/2018, revised on 06/15/2018, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS

1. Wind load review prepared by Ruskin Company, dated 07/06/2018, signed and sealed by Melissa M. Massar, P.E.

D. QUALITY ASSURANCE

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



Sifang Zhao, P.E.
Product Control Examiner
NOA-No. 23-1116.05
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 6th edition (2017) FBC and of no financial interest issued by Ruskin Company, dated 07/06/2018, signed and sealed by Melissa M. Massar, P.E.
2. Statement letter of code conformance to the 7th edition (2020) of the FBC and of no financial interest, issued by Ruskin Company, dated 12/17/2021, signed and sealed by Jeffrey D. Smith, P.E. (*Submitted under NOA # 22-0203.04*)

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **60-021563-00D**, titled “EME6625D Installation”, sheets 1 through 17 of 17, prepared by Ruskin Company, dated 03/13/1998 and 03/16/2018, with revision L dated 11/29/2021, signed and sealed by Jeffrey D. Smith, P.E. on 12/17/2021. (*Submitted under NOA # 22-0203.04*)

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 8th edition (2023) of the FBC and of no financial interest, issued by Ruskin Company, dated 10/30/2023, signed and sealed by Jeffrey Devon Smith, P.E.

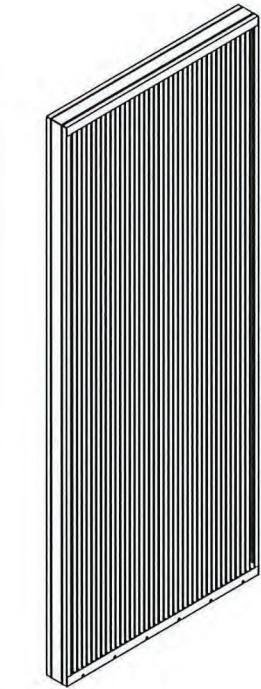
G. OTHER

1. This NOA revises NOA # 22-0203.04 for the 8th edition (2023) of the FBC update.



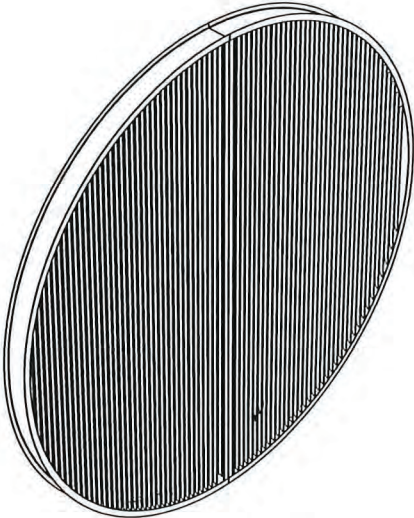
Sifang Zhao, P.E.
Product Control Examiner
NOA-No. 23-1116.05
Expiration Date: January 28, 2027
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PARTS LIST			
FOR STANDARD LOUVER			
ITEM	DESCRIPTION	MATERIAL	ALLOY
1	HEAD FRAME	.095" THK EXTRUDED ALUM.	6063-T6
2	SILL FRAME	.095" THK EXTRUDED ALUM.	6063-T6
3	JAMB FRAME	.095" THK EXTRUDED ALUM.	6063-T6
4	BLADE	.080" THK EXTRUDED ALUM.	6063-T6
5	CORE ANGLE	.080" THK EXTRUDED ALUM	6063-T6
6	H.H.B.S.	.080" THK EXTRUDED ALUM	6063-T6
MULTI SECTION CONNECTION PARTS (SHIPPED LOOSE)			
7	SPLICE PLATE	.125" THK EXTRUDED ALUM	6063-T6
8	#12-14 X 3/4" LG "HWH" TYPE "SDS"	410SS	-
STANDARD LOUVER W/ CHANNEL INSTALL (SHIPPED LOOSE)			
9	INSTALL CHANNEL	.188" THK FORMED ALUM.	3003-H14 OR 5005-H34
10	CONT. RETAINING ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
11	1/4-14 X 1 1/2"LG "HWH" TYPE "SDS"	410SS	-
FOR SHAPED LOUVER			
12	EXTERIOR FRAME	.080" THK EXTRUDED ALUM.	6063-T4
13	WATER STOP	.080" THK FORMED ALUM.	3003-H14 OR 5005-H34
INSTALLATION PARTS (SHIPPED LOOSE)			
14	CONT. ATTACHMENT ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
15	ALTERNATE ATTACHMENT CONT. ZEE	.250" THK FORMED ALUM.	3003-H14
16	3" ALTERNATE ATTACHMENT ZEE CLIP	.250" THK FORMED ALUM.	3003-H14
17	ALTERNATE ATTACHMENT CONT. FLAT PLATE	.250" THK ALUM.	3003-H14
18	ALTERNATE ATTACHMENT CONT. STIFFENER PLATE	.125" THK ALUM.	5005-H34
19	ATTACHMENT CLIP ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
20	3" ALTERNATE ATTACHMENT FLAT PLATE	.250" THK ALUM.	3003-H14
21	ALTERNATE CONT. RET. ANGLE 2"	.250 THK ALUM.	3003-H14
22	ALTERNATE CONT. RET. ANGLE 3" X 5"	.250 THK ALUM.	3003-H14
23	ALTERNATE. RET. ANGLE 2"	.250 THK ALUM.	3003-H14
24	ALTERNATE RET. ANGLE 3" X 5" x 2"	.250 THK ALUM.	3003-H14
25	#10-16 X 1 1/2" LG "HWH" TYPE "SDS"	410SS	
26	SUBSTRATE FASTENER (RECT. LOUVER)(BY OTHERS)	VARIES REF TABLE 1/17 & 2/17	-
27	SUBSTRATE FASTENER (SHAPED LOUVER)(BY OTHERS)	VARIES REF TABLE 3/17	-
UNIVERSAL SLEEVE PARTS LIST			
28	FRONT FLANGE UNIVERSAL SLEEVE	.125 THK FORMED ALUM	5005-H34
29	HEAD FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
30	SILL FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6
31	JAMB FRAME W/ INTEGRAL FLANGE	EXTRUDED ALUMINUM	6063-T6



RECTANGLE LOUVER

N.T.S.
CHANNEL FRAME REF. SHEETS 02 THRU 05
CHANNEL INSTALL AND UNIVERSAL SLEEVE
REF. SHEETS 06 & 07



SHAPED LOUVER

N.T.S.
REF. SHEETS 08 THRU 11

ABBREVIATIONS:

CONT. - CONTINUOUS
N.T.S - NOT TO SCALE
H.H.B.S.- HIDDEN HORIZONTAL BLADE SUPPORT
L.D. - LOUVER DIMENSION
MAX. - MAXIMUM
MIN. - MINIMUM
NOM. - NOMINAL
N.T.E. - NOT TO EXCEED
O/C - ON CENTER
OPP. - OPPOSITE
R.O. - ROUGH OPENING
SIM. - SIMILAR
S.S. - SHIP SECTION
S.S.D. - SHIP SECTION DIMENSION
TYP. - TYPICAL
U.N.C. - UNLESS NOTED OTHERWISE
DIM. - DIMENSION
FLG. - FLANGE
D - SUBSTRATE DEPTH
SUB. -SUBSTRATE

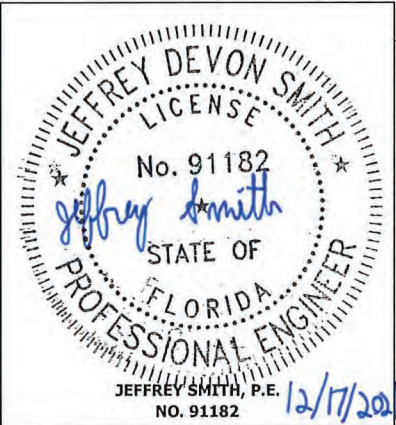
NOTES:


1. THE EME6625D HAS BEEN TESTED IN ACCORDANCE WITH & QUALIFIED TO FLORIDA PROTOCOLS TAS-201, 202, & 203 FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE, CYCLIC WIND PRESSURE, & AMCA 550 FOR HIGH VELOCITY WIND DRIVEN RAIN. AMCA 550 ONLY APPLIES TO RECTANGLES, NOT APPLICABLE FOR SHAPES.
2. QUALIFICATION TO FLORIDA PROTOCOL AMCA 550 ALLOWS THIS LOUVER TO BE INSTALLED IN A LOCATION WHERE THE ROOM BEHIND THE LOUVER IS NOT DESIGNED TO DRAIN WATER PENETRATING INTO THE ROOM & THE ROOM DOES NOT HOUSE WATER RESISTANT/WATER PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
3. THIS LOUVER SYSTEM IS APPROVED FOR APPLICATIONS WITH DESIGN PRESSURES OF +/- 160 PSF OR LESS.THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
4. RUSKIN DOES NOT DETERMINE THE STRUCTURAL INTEGRITY OF THE STRUCTURE. SUBSTRATE REQUIREMENTS GIVEN IN TABLES 1 & 2 ON SHEET 13 ARE AS NEEDED FOR ANCHORAGE ONLY.
5. MAXIMUM SINGLE SECTION SIZE FOR RECTANGLES IS 48" WIDE X 96" HIGH. MAXIMUM SINGLE SECTION SIZE FOR SHAPES IS 48" WIDE X 96" HIGH. UNLIMITED WIDTH CAN BE ACCOMPLISHED BY PLACING SINGLE SECTIONS SIDE BY SIDE.
6. 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.
7. ALL WELDED ATTACHMENTS REQUIRE MIN. FILLER METAL OF 4043 ALUMINUM ALLOY WITH MIN. TENSILE STRENGTH OF 24KSI.
8. EXTRUDED ALUMINUM H.H.B.S. CHANNEL TO BE NOTCHED TO FIT OVER JAMB FRAMES & TO FIT BETWEEN EACH BLADE. H.H.B.S. CHANNEL TO BE WELDED TO EACH BLADE AND TO JAMB FRAMES. H.H.B.S. CHANNEL IS REQUIRED FOR ANY LOUVER ASSEMBLY EXCEEDING 32" IN HEIGHT EQUALLY SPACED BETWEEN HEAD AND SILL. TWO H.H.B.S. ARE TO BE POSITIONED EQUALLY SPACED BETWEEN HEAD & SILL WHEN SPAN IS OVER 64" IN HEIGHT.


DRAWING INDEX:

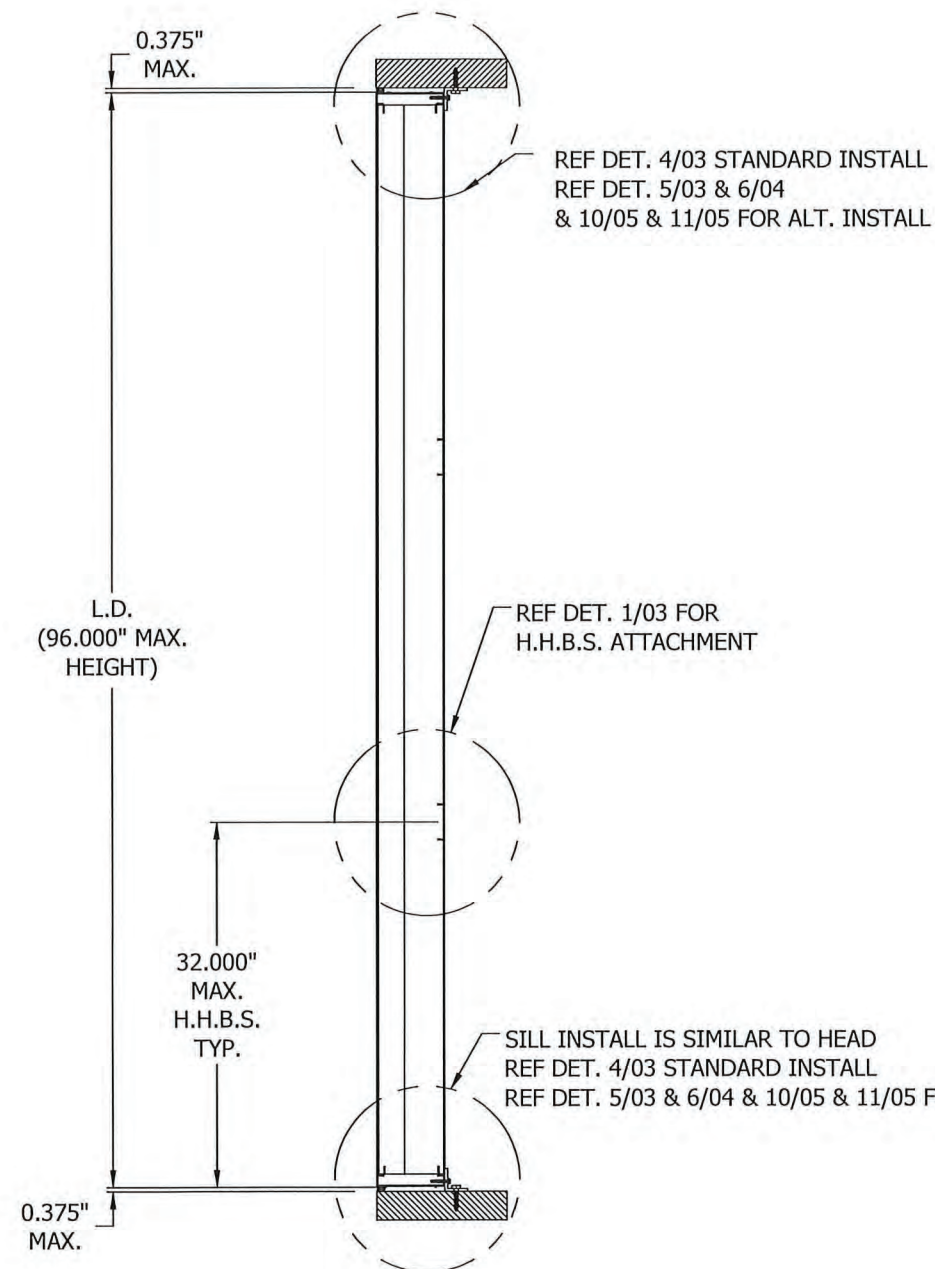
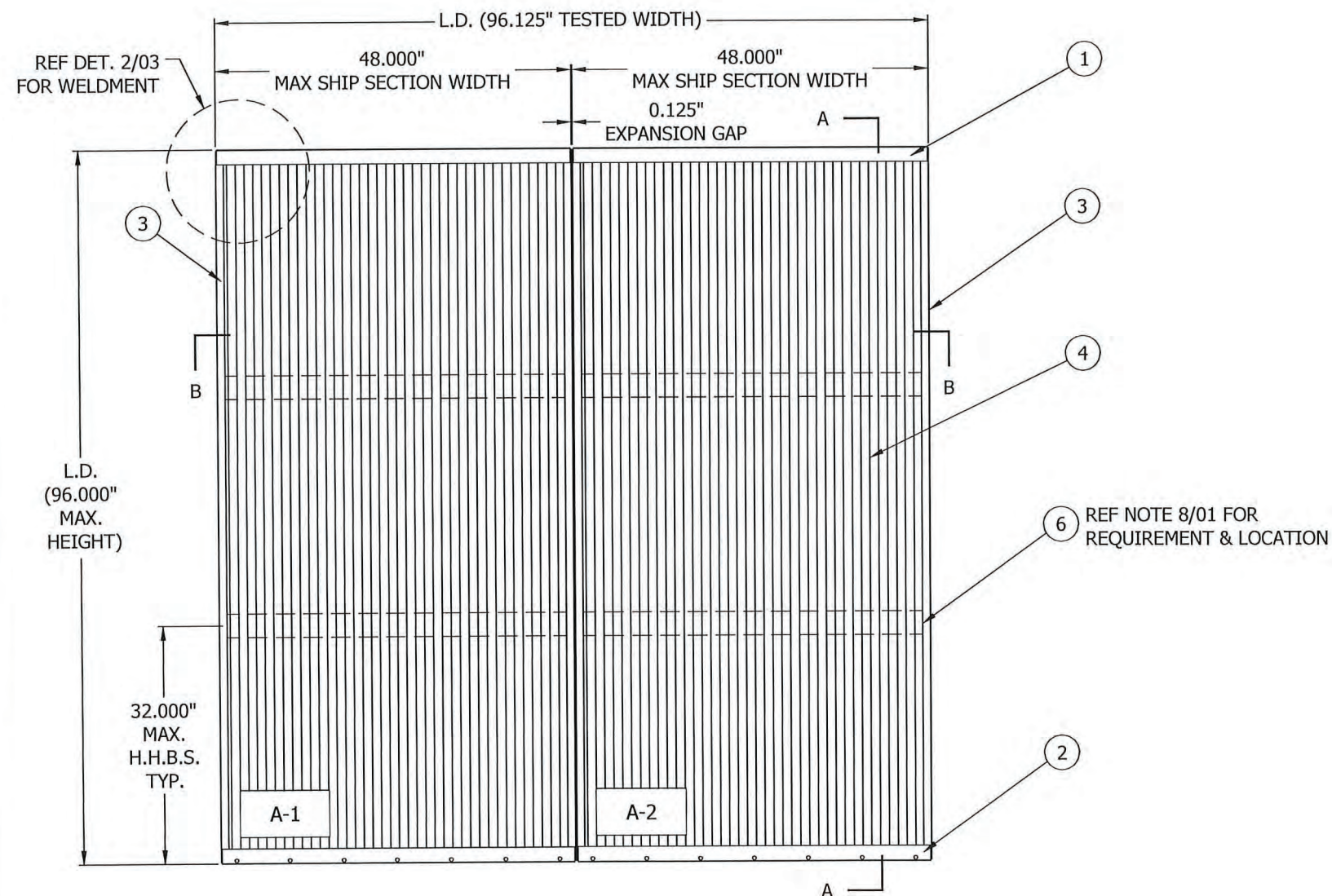
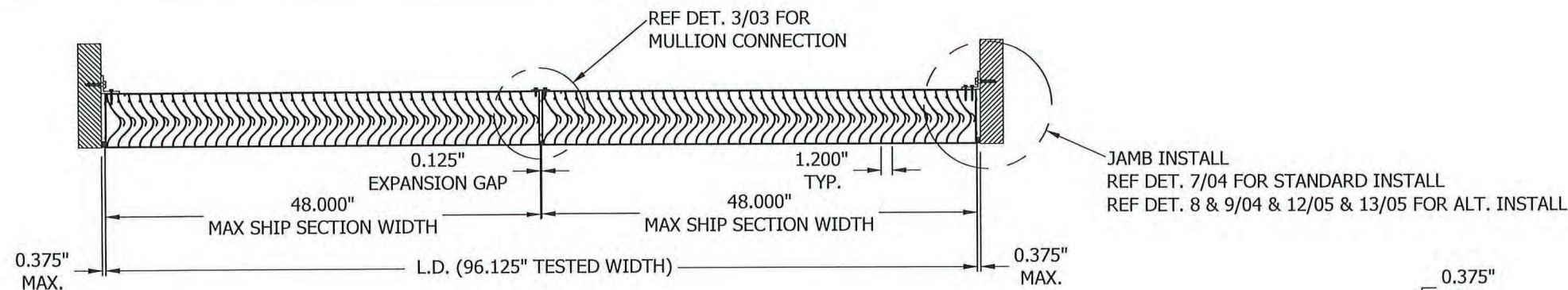
- SHEET 01 - NOTES, PARTS LIST & DRAWING INDEX
SHEET 02 - ASSEMBLY 'A' & SECTION VIEWS
SHEET 03 - LOUVER CONNECTION & INSTALL DETAILS
SHEET 04 - ALTERNATE ATTACHMENT DETAILS
SHEET 05 - ALTERNATE ATTACHMENT DETAILS
SHEET 06 - ASSEMBLY 'B' INSTALL CHANNEL & SECTION VIEWS
SHEET 07 - ASSEMBLY 'C' UNIVERSAL SLEEVE & SECTION VIEWS
SHEET 08 - SHAPES & NOTES
SHEET 09 - ASSEMBLY 'D' & DETAILS
SHEET 10 - ASSEMBLY 'D' SHAPED LOUVER CONNECTION & INSTALL DETAILS
SHEET 11 - ASSEMBLY 'E' & DETAILS
SHEET 12 - INSTALL CHANNEL DETAILS
SHEET 13 - UNIVERSAL SLEEVE DETAILS
SHEET 14 - PARTS
SHEET 15 - PARTS
SHEET 16 - PARTS
SHEET 17 - FASTENER TABLES

TOLERANCES DECIMAL DIMENSIONS: 3 PLACE .XXX ±.010 2 PLACE .XX ±.020 FRACTION DIMENSIONS:±1/16 ANGLE DIMENSIONS ±2° USE WIQ-007 & 008 UNLESS SPECIFIED OTHERWISE	DWN. BY: GSL DATE: 3-13-98	CHK. BY: VMA DATE: 3-16-18	APPV'D. BY: DATE:	APPV'D. BY: DATE:
NOTES, PARTS LIST & DRAWING INDEX				



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By 
Miami-Dade Product Control

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
		3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE		
NONE		ECN: _____				
TITLE		EME6625D INSTALLATION		REV. L SHEET 1 OF 17		
				DWG. NO. 60-021563-00D		




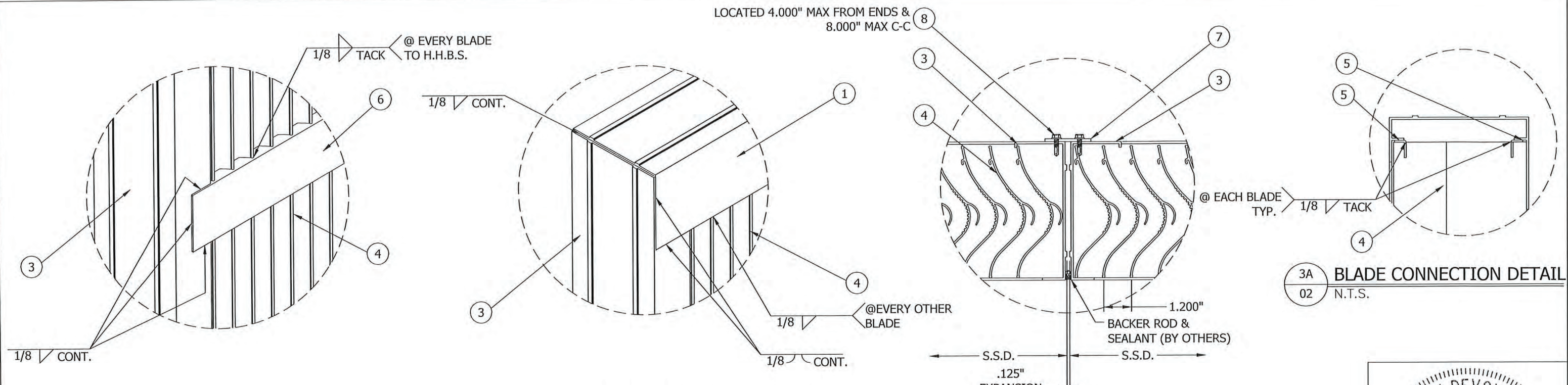
JEFFREY DEVON SMITH
LICENSE
No. 91182
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
JEFFREY SMITH, P.E.
NO. 91182

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By **Miami-Dade Product Control**

ASSEMBLY 'A' CHANNEL FRAME LOUVER
N.T.S.

FRONT VIEW

TOLERANCES DECIMAL DIMENSIONS: 3 PLACE .XXX ±0.10 2 PLACE .XX ±0.20 FRACTION DIMENSIONS: ±1/16 ANGLE DIMENSIONS ±2° USE W10-007 & 008 UNLESS SPECIFIED OTHERWISE	DWN. BY: GSL DATE: 3-13-98	CHK. BY: VMA DATE: 3-16-18	APPV'D. BY: DATE:	APPV'D. BY: DATE:	 <div>3900 DR. GREAVES RD GRANDVIEW, MO 64030</div> AUTHORITY IN AIR CONTROL	PLOT SCALE		ECN: _____	
	ASSEMBLY 'A' & SECTION VIEWS					NONE	SHEET 2 OF 17		
						TITLE EME6625D INSTALLATION			

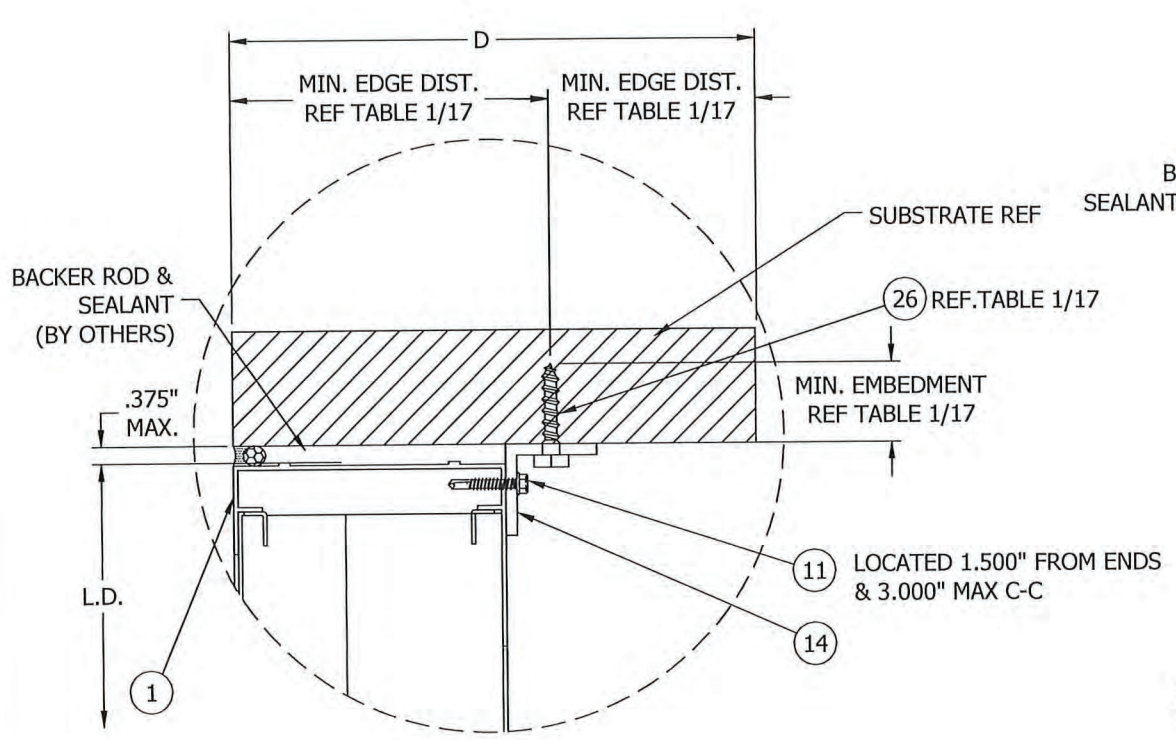


2 CORNER FRAME CONNECTION DETAIL
 02 N.T.S.
 NOTE: TYPICAL @ EACH CORNER

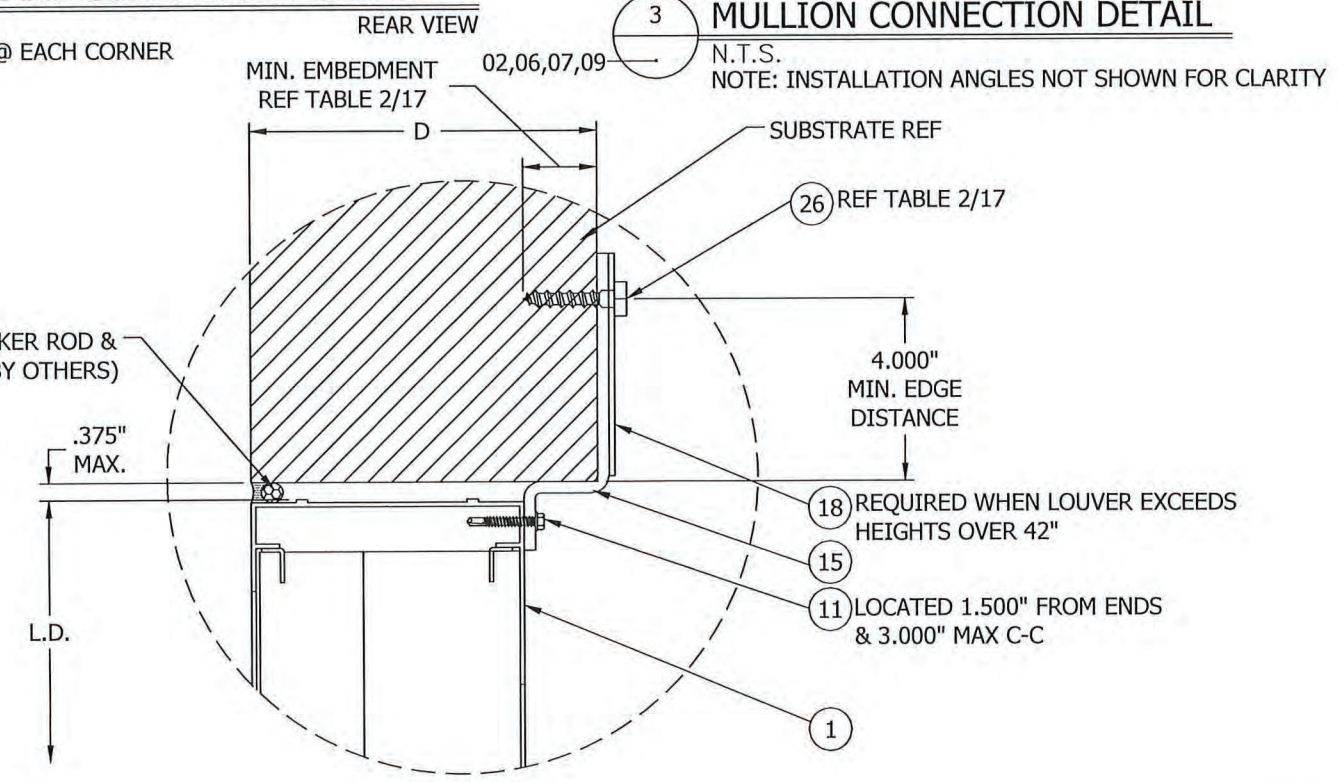
3 MULLION CONNECTION DETAIL
 02 N.T.S.
 NOTE: INSTALLATION ANGLES NOT SHOWN FOR CLARITY

3A BLADE CONNECTION DETAIL
 02 N.T.S.

1 H.H.B.S. ATTACHMENT DETAIL
 02, 6, 7 N.T.S.




4 INSTALLATION DETAIL @ HEAD
 02 N.T.S.
 LOUVER SILL ATTACHMENT SIMILAR

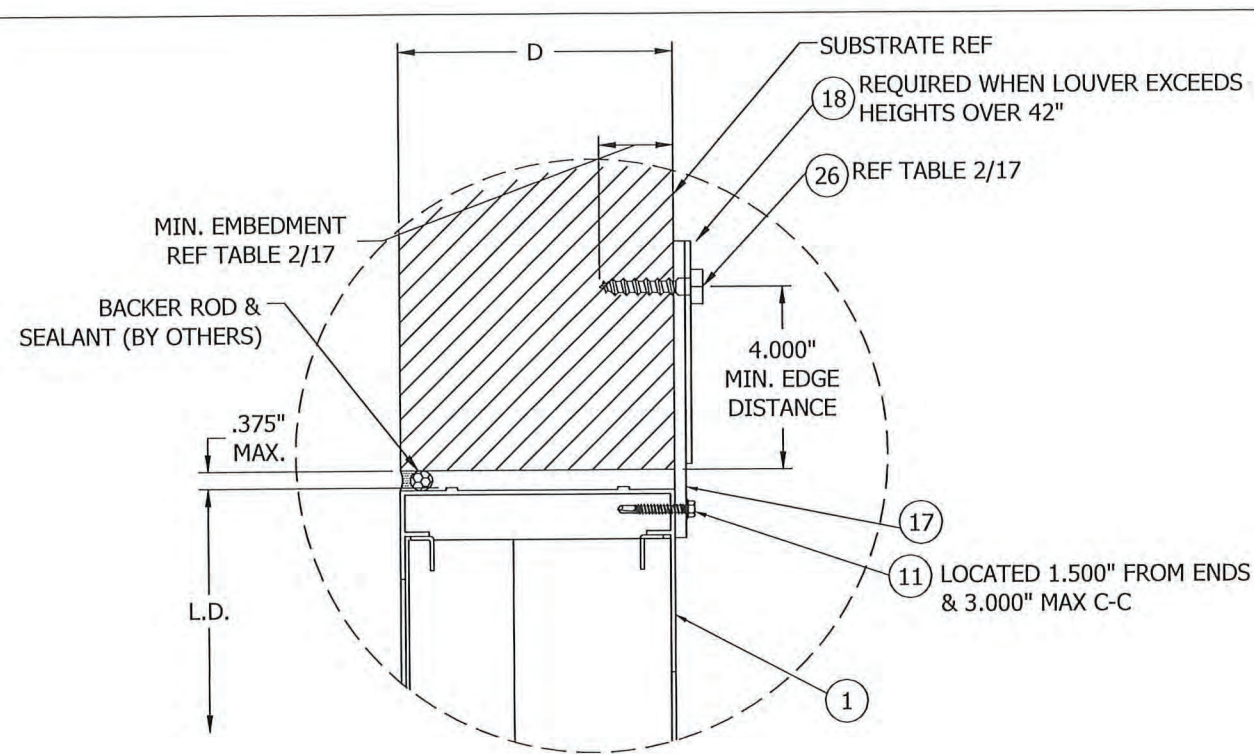


5 ALTERNATE HEAD CONNECTION
 02 N.T.S.
 NOTE: USED WHEN MIN. EDGE DISTANCE REQ'D FOR CONT. ANGLE INSTALL CANNOT BE MET. WHEN WALL DEPTH EXCEEDS DEPTH OF LOUVER INTERIOR FACE LOUVER SILL ATTACHMENT SIMILAR

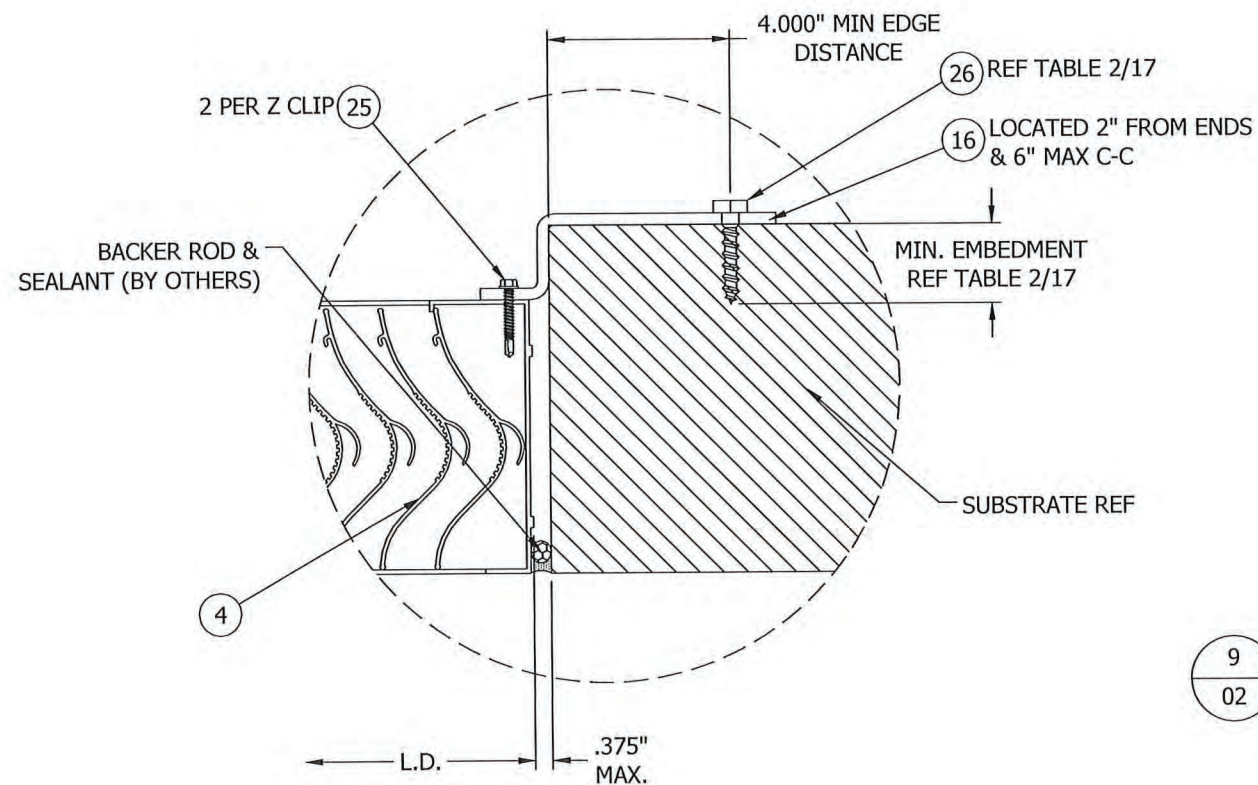
JEFFREY DEVON SMITH
 LICENSE No. 91182
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 JEFFREY SMITH, P.E. NO. 91182

PRODUCT REVISED
 as complying with the Florida Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
 By *CS*
Miami-Dade Product Control

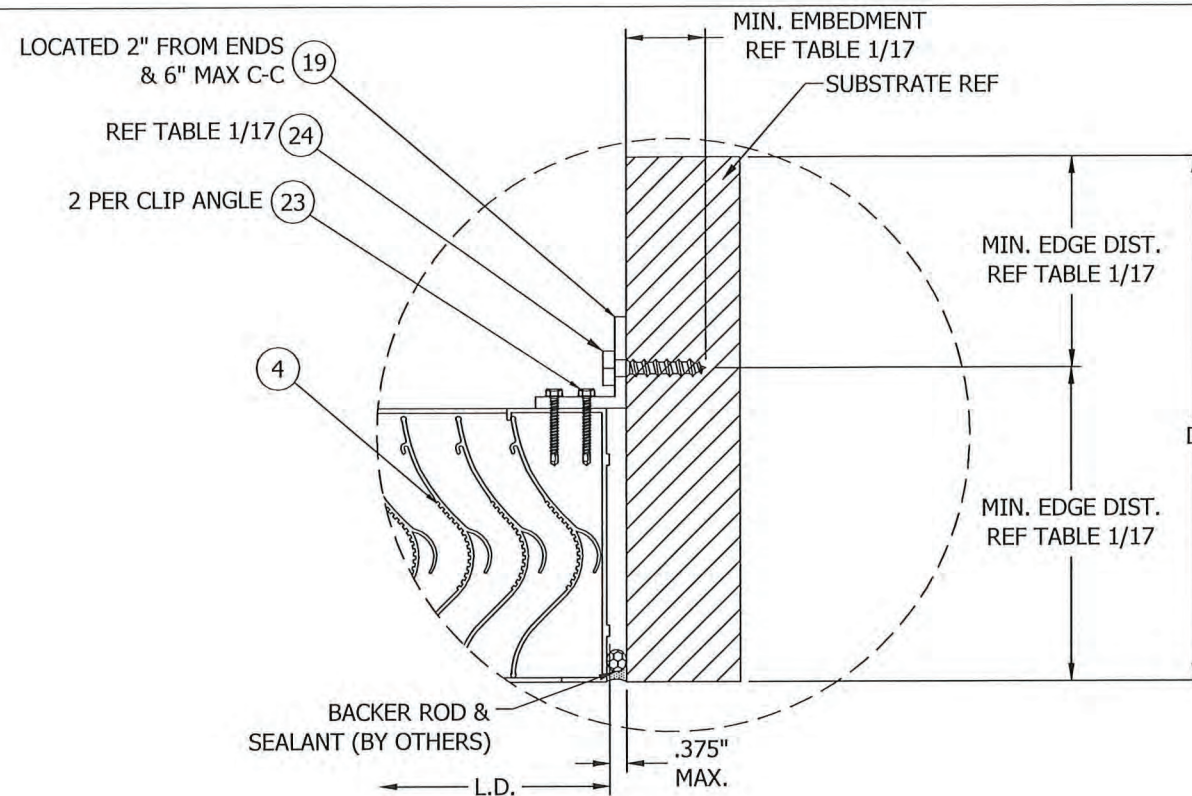
TOLERANCES		DWN. BY: GSL	CHK. BY: VMA	APPV'D. BY:	APPV'D. BY:	 <div>3900 DR. GREAVES RD GRANDVIEW, MO 64030</div>	PLOT SCALE	
DECIMAL DIMENSIONS: 3 PLACE .XXX ±.010 2 PLACE .XX ±.020 FRACTION DIMENSIONS: ±1/16 ANGLE DIMENSIONS ±2° USE W/Q-007 & 008 UNLESS SPECIFIED OTHERWISE		DATE: 3-13-98	DATE: 3-16-18	DATE:	DATE:		NONE	ECN: _____
LOUVER CONNECTION & INSTALL DETAILS					TITLE		REV. L	SHEET 3 OF 17
EME6625D INSTALLATION							DWG. NO.	60-021563-00D



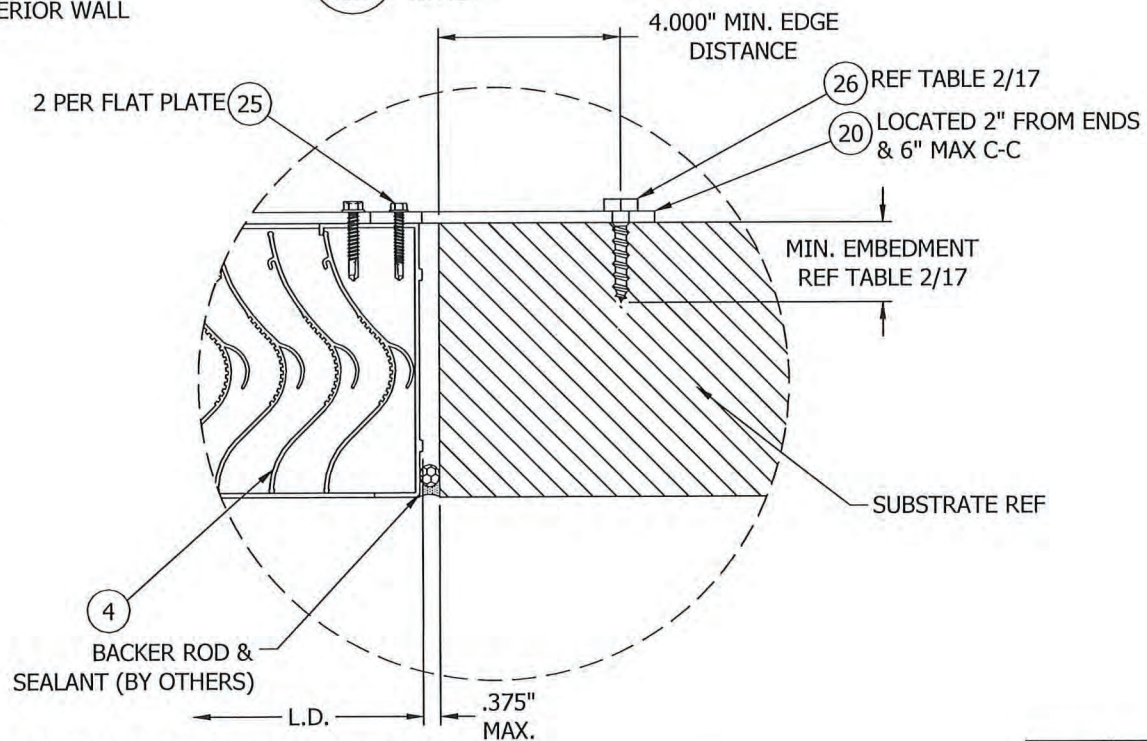
6
02
N.T.S.
NOTE: USED WHEN MIN. EDGE DISTANCE REQ'D FOR CONT. ANGLE INSTALL CANNOT BE MET.
WHEN WALL DEPTH EQUAL TO DEPTH OF INTERIOR FACE OR LOUVER OFFSET IS FLUSH W/ INTERIOR WALL
LOUVER SILL ATTACHMENT SIMILAR



8
02
N.T.S.
NOTE: USED WHEN MIN. EDGE DISTANCE REQ'D FOR CLIP ANGLE INSTALL CANNOT BE MET.
WHEN WALL DEPTH EXCEEDS DEPTH OF LOUVER INTERIOR FACE



7
02
N.T.S.




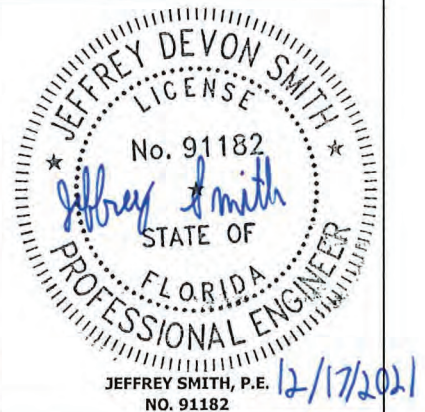
9
02
N.T.S.
NOTE: USED WHEN MIN. EDGE DISTANCE REQ'D FOR CLIP ANGLE INSTALL CANNOT BE MET.
WHEN WALL DEPTH EQUAL DEPTH OF LOUVER INTERIOR FACE

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE W1Q-007 & 008
UNLESS SPECIFIED OTHERWISE

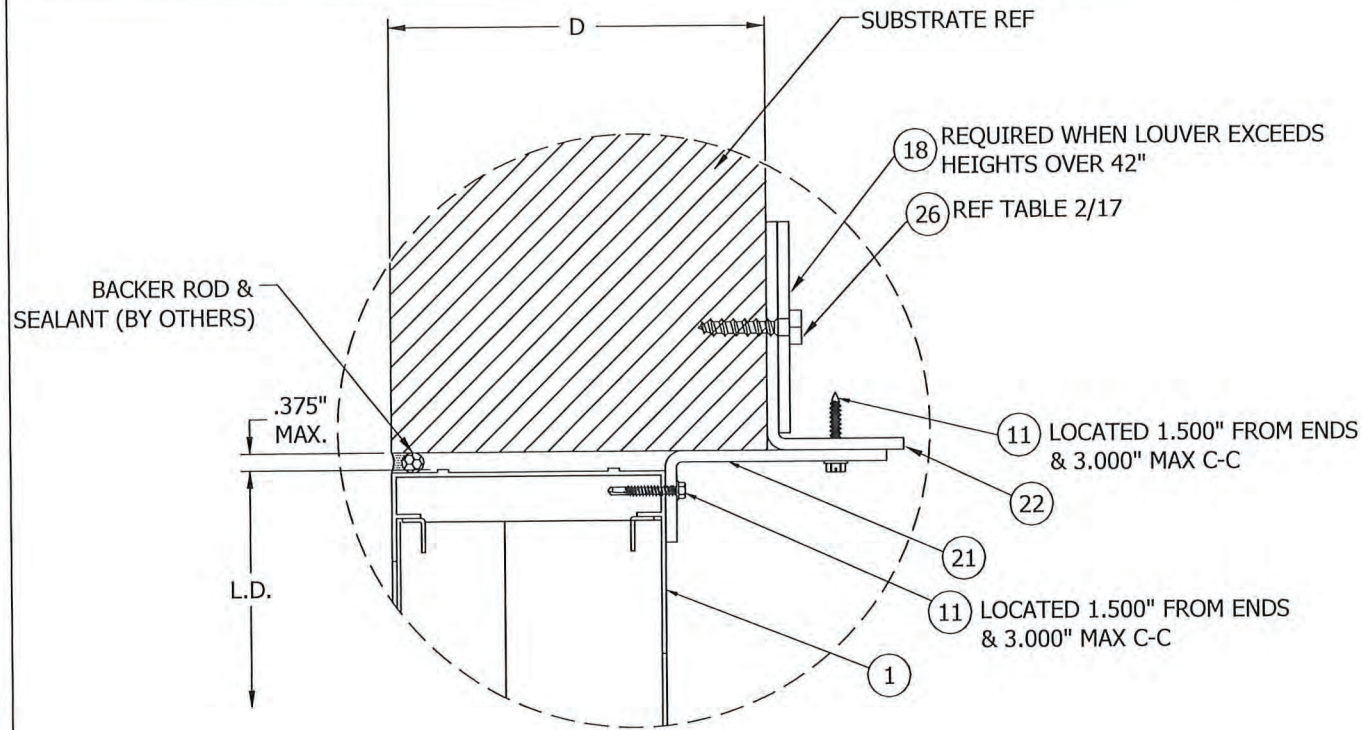
DWN. BY: GSL
DATE: 3-13-98
CHK. BY: VMA
DATE: 3-16-18
APPV'D. BY:
DATE:
APPV'D. BY:
DATE:

ALTERNATE ATTACHMENT DETAILS

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
 3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE		ECN: _____		
		NONE				
TITLE		REV. L		SHEET 4 OF 17		
EME6625D INSTALLATION		DWG. NO.		60-021563-00D		

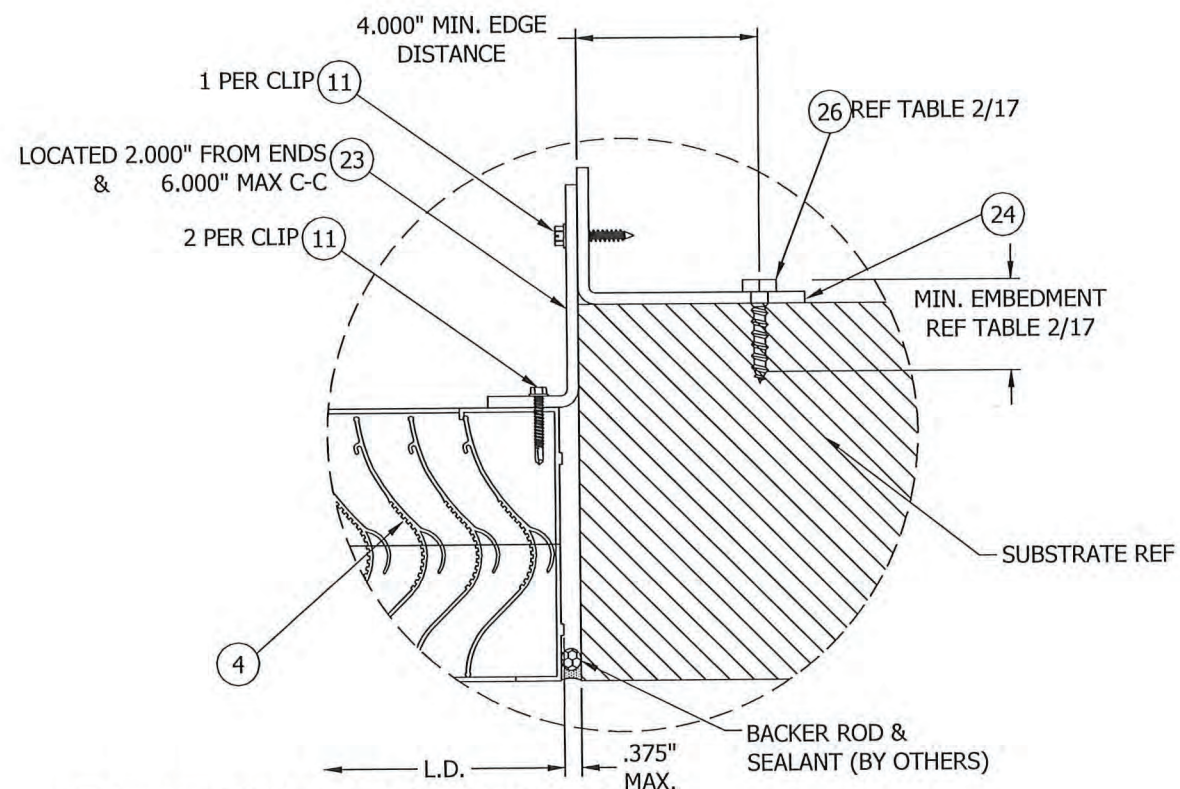


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By *CS*
Miami-Dade Product Control



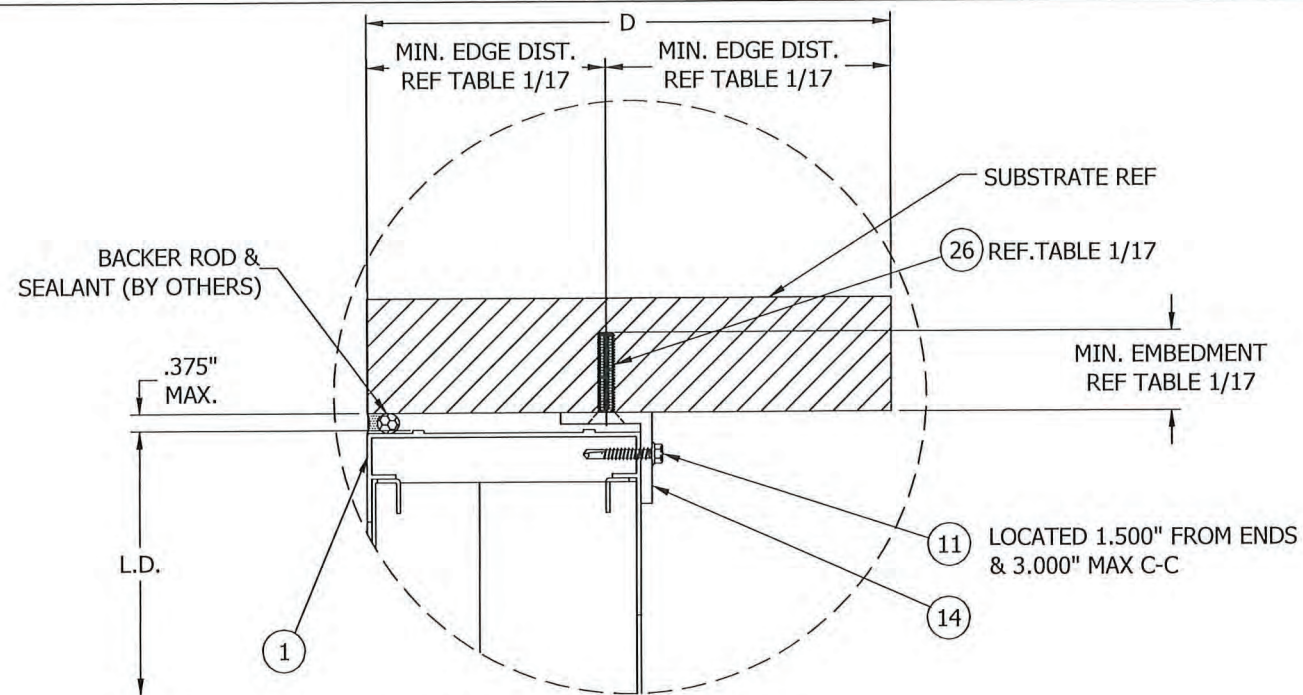
10 ALTERNATE HEAD CONNECTION

02 N.T.S.
NOTE: LOUVER SILL ATTACHMENT SIMILAR



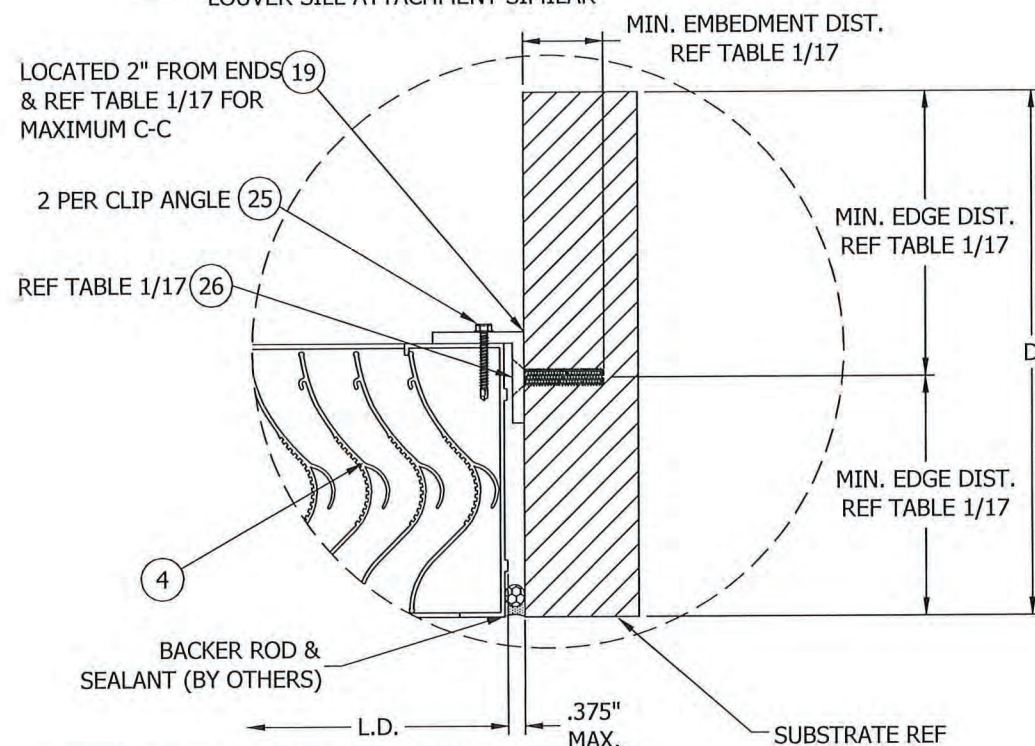
12 ALTERNATE JAMB CONNECTION

02 N.T.S.



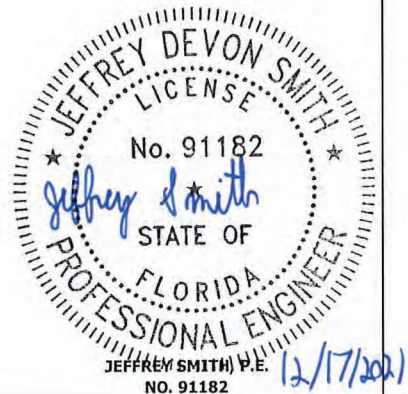
11 ALTERNATE CLIP DETAIL @ HEAD

02 N.T.S.
LOUVER SILL ATTACHMENT SIMILAR



13 ALTERNATE JAMB CONNECTION

02 N.T.S.




PRODUCT REVISED
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Expiration Date 01/28/2027
By *CS*
Miami-Dade Product Control

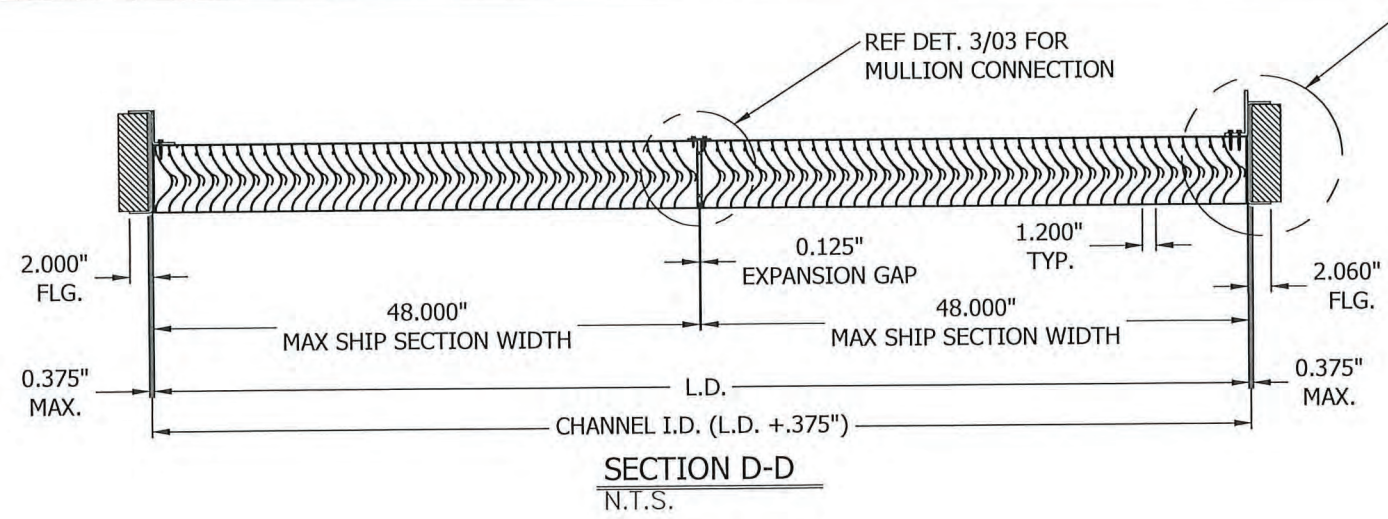
TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE WQ-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: GSL
DATE: 3-13-98
CHK. BY: VMA
DATE: 3-16-18
APPV'D. BY:
DATE:
APPV'D. BY:
DATE:

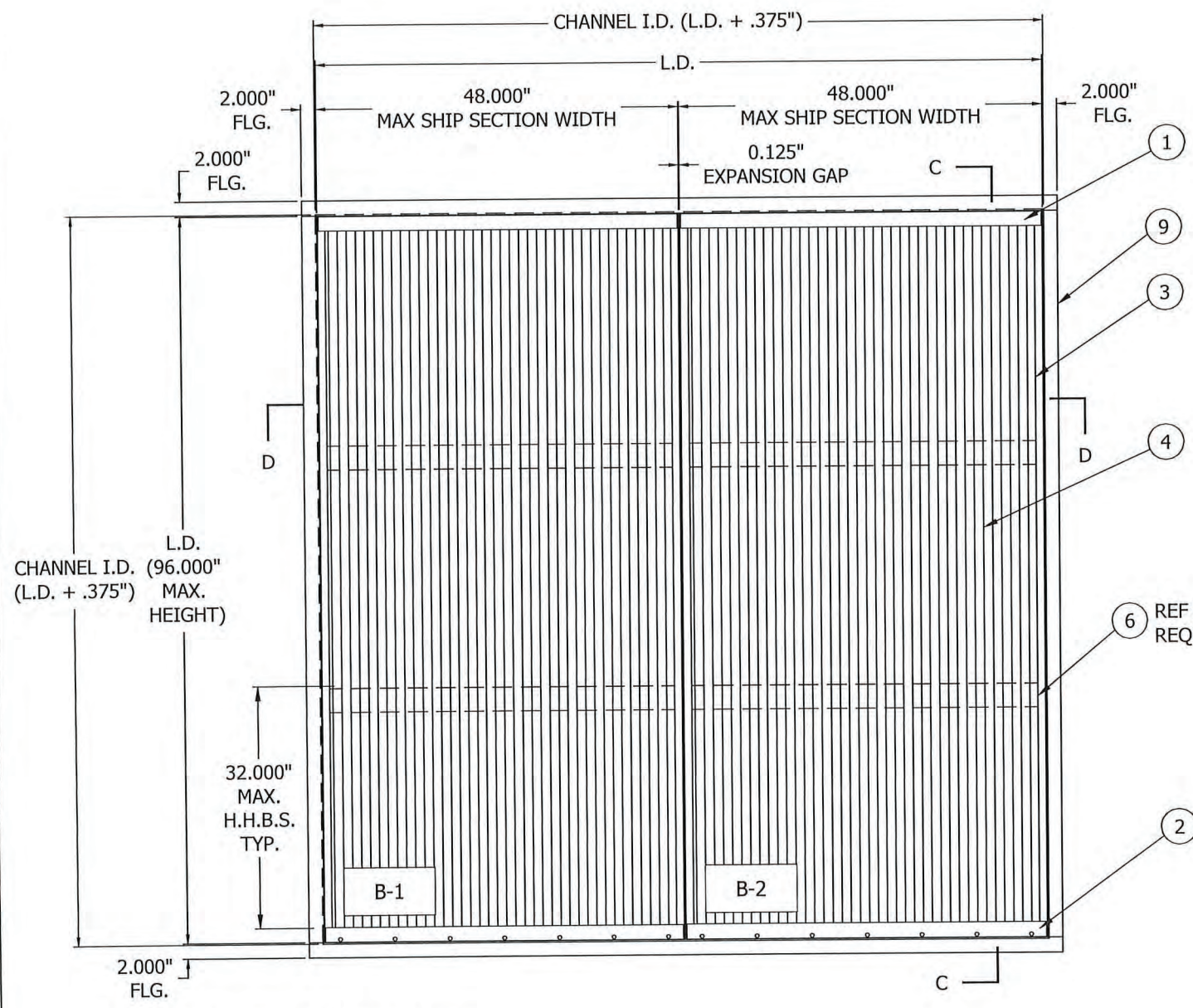
ALTERNATE ATTACHMENT DETAILS

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
 3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE				
		NONE		ECN: _____		
TITLE		REV. L		SHEET 5 OF 17		
EME6625D INSTALLATION		DWG. NO. 60-021563-00D				

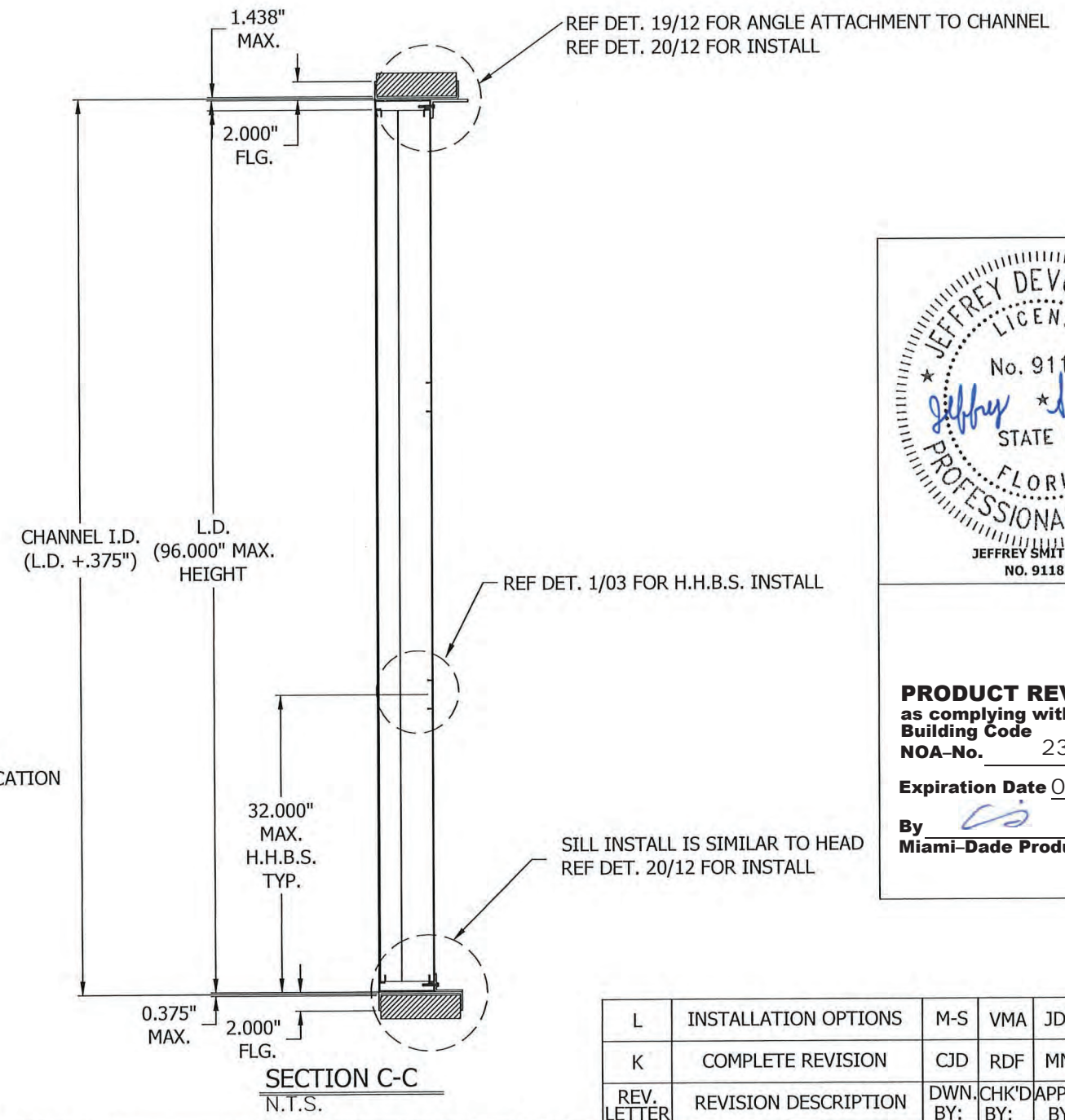
EME6625D
INSTALLATION



REF DET. 3/03 FOR MULLION CONNECTION
 REF DET. 19/12 FOR ANGLE ATTACHMENT TO CHANNEL (SIM.)
 REF DET. 21/12 FOR INSTALL



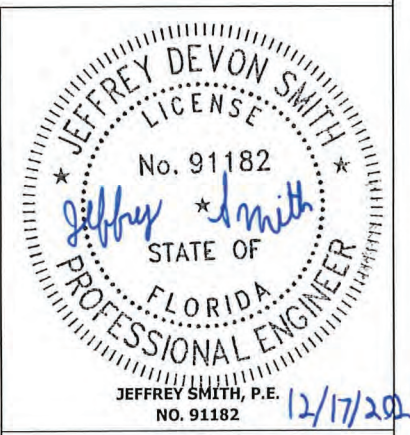
ASSEMBLY 'B' INSTALL CHANNEL
 N.T.S.




REF DET. 19/12 FOR ANGLE ATTACHMENT TO CHANNEL
 REF DET. 20/12 FOR INSTALL

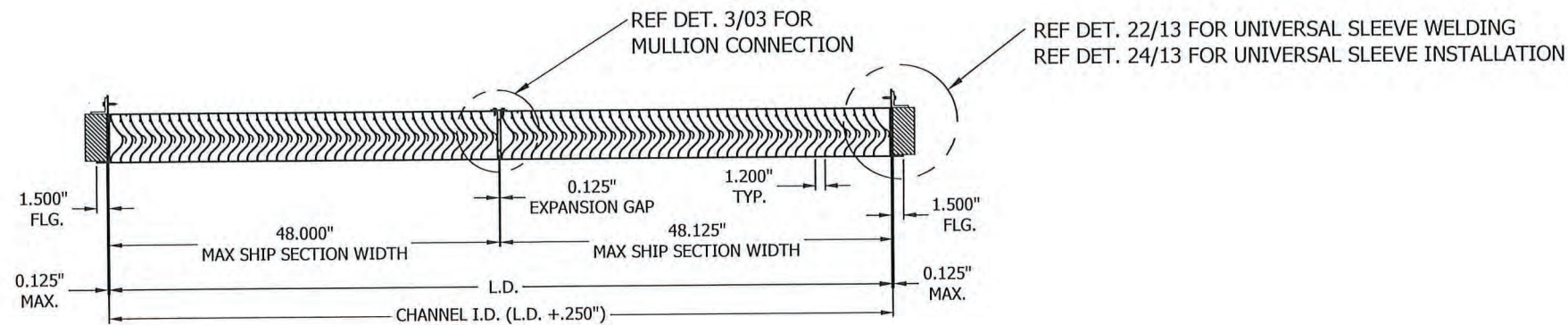
REF DET. 1/03 FOR H.H.B.S. INSTALL

SILL INSTALL IS SIMILAR TO HEAD
 REF DET. 20/12 FOR INSTALL

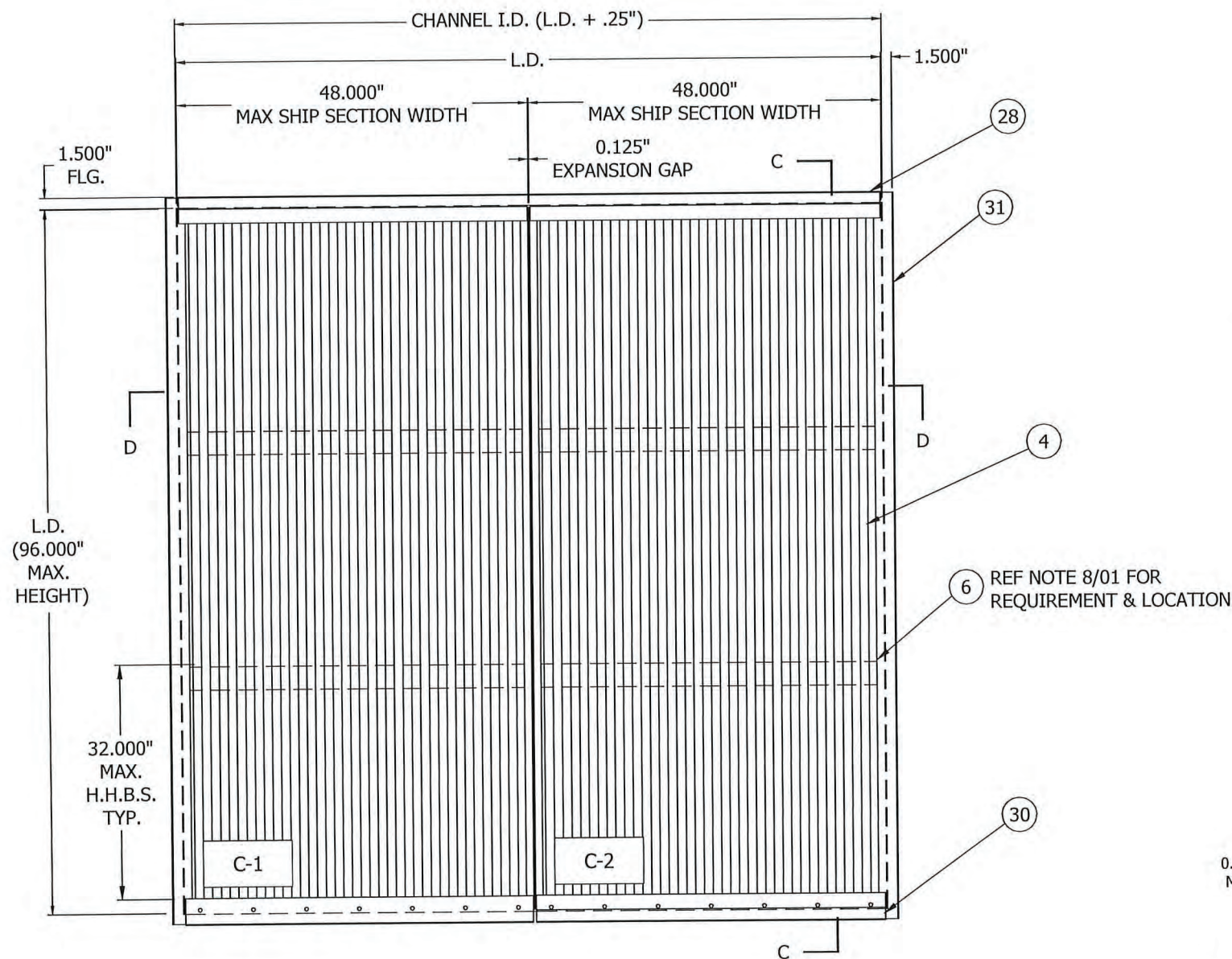


PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. 23-1116.05
 Expiration Date 01/28/2027
 By *[Signature]*
 Miami-Dade Product Control

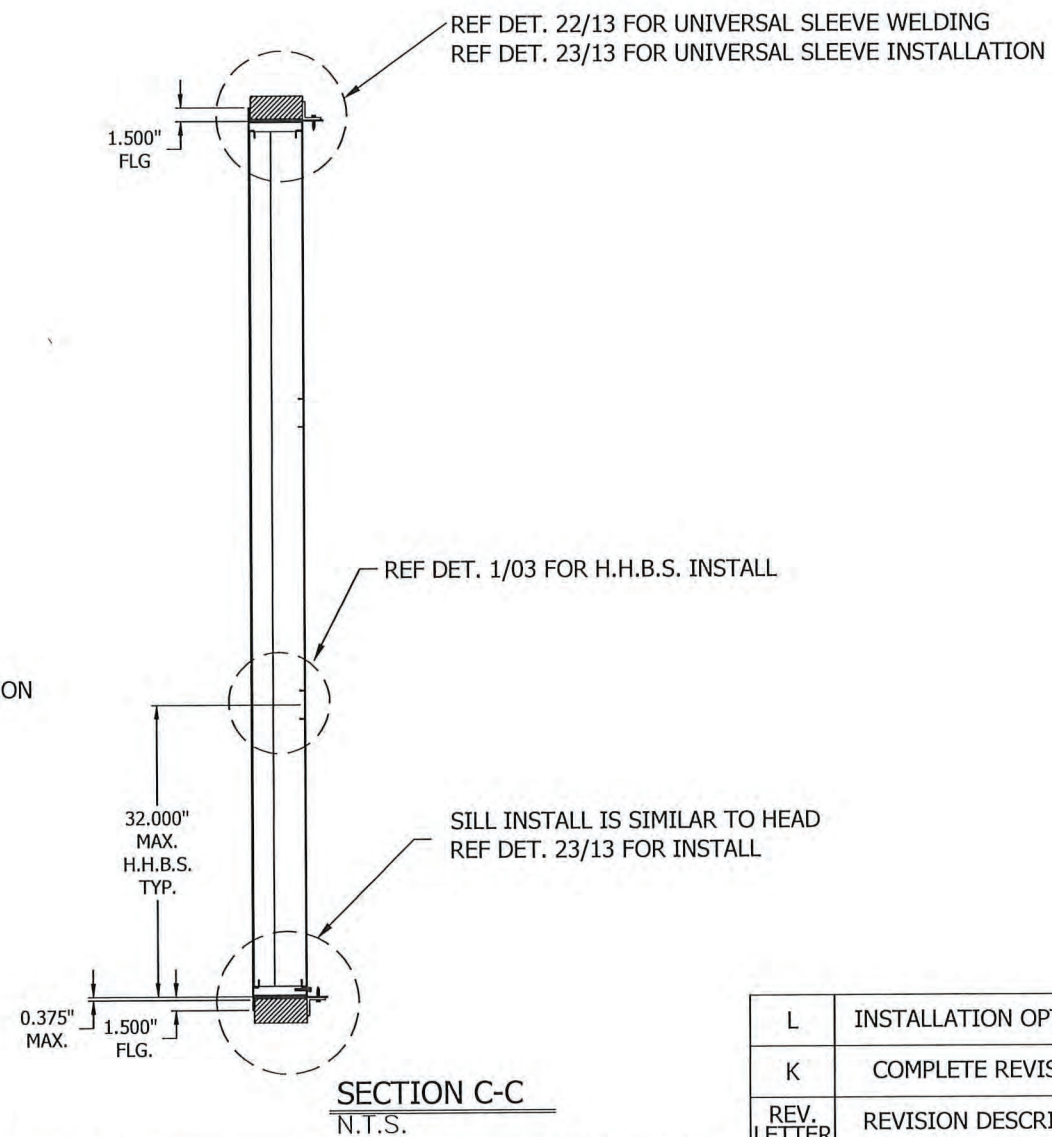
TOLERANCES DECIMAL DIMENSIONS: 3 PLACE .XXX ±.010 2 PLACE .XX ±.020 FRACTION DIMENSIONS ±1/16 ANGLE DIMENSIONS ±2° USE W1Q-007 & 008 UNLESS SPECIFIED OTHERWISE	DWN. BY: GSL DATE: 3-13-98	CHK. BY: VMA DATE: 3-16-18	APPV'D. BY: DATE:	APPV'D. BY: DATE:	 <div>3900 DR. GREAVES RD GRANDVIEW, MO 64030</div> AUTHORITY IN AIR CONTROL	PLOT SCALE		ECN: _____
	ASSEMBLY "B" INSTALL CHANNEL & SECTION VIEWS					NONE		
						REV. L		SHEET 6 OF 17
						DWG. NO.		60-021563-00D
					EME6625D INSTALLATION			



SECTION D-D
N.T.S.



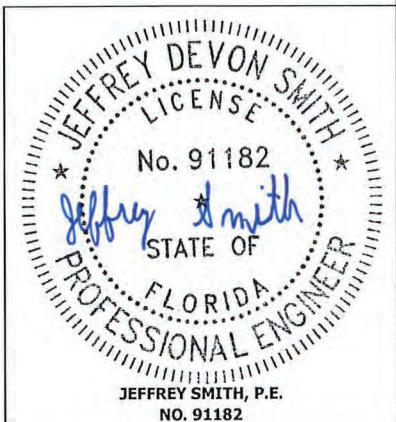
ASSEMBLY 'C' UNIVERSAL SLEEVE
N.T.S.



SECTION C-C
N.T.S.

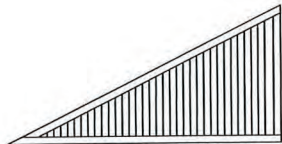
TOLERANCES			
DECIMAL DIMENSIONS:			
3 PLACE .XXX ±0.10			
2 PLACE .XX ±0.20			
FRACTION DIMENSIONS: ±1/16			
ANGLE DIMENSIONS ±2°			
USE WIG-007 & 008			
UNLESS SPECIFIED OTHERWISE			
DWN. BY: GSL DATE: 3-13-98	CHK. BY: VMA DATE: 3-16-18	APPV'D. BY: DATE:	APPV'D. BY: DATE:
ASSEMBLY "C" UNIVERSAL SLEEVE & SECTION VIEWS			

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
RUSKIN AUTHORITY IN AIR CONTROL		3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE		
TITLE		EME6625D INSTALLATION		NONE		
REV. L		SHEET 7 OF 17		DWG. NO.		
				60-021563-00D		

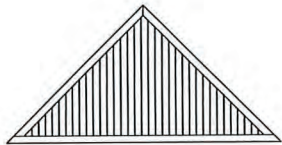


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By *[Signature]*
Miami-Dade Product Control

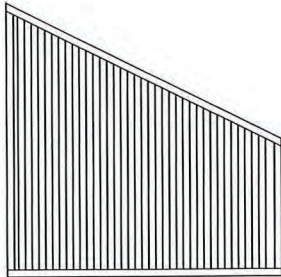
AVAILABLE SHAPES



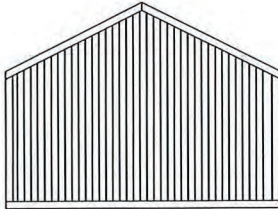
HALF TRIANGLE SHAPE A OR B
N.T.S.
NOTE: CAN BE RIGHT OR LEFT HAND



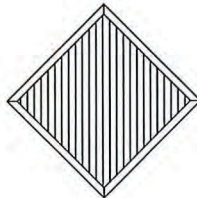
PYRAMID SHAPE E
N.T.S.



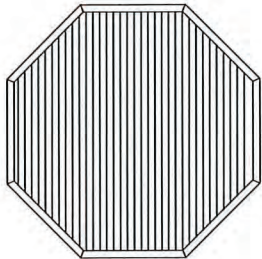
TRIANGLE TOP SHAPE C OR D
N.T.S.
NOTE: CAN BE RIGHT OR LEFT HAND



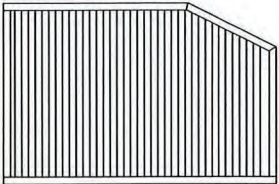
HOUSE SHAPE F
N.T.S.



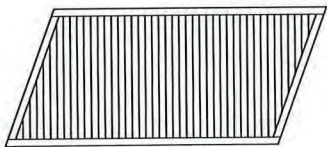
DIAMOND SHAPE G
N.T.S.



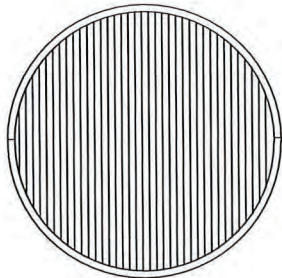
OCTAGON SHAPE L
N.T.S.



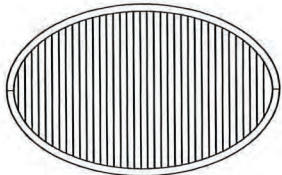
CORNER SHAPE J OR K
N.T.S.
NOTE: CAN BE RIGHT OR LEFT HAND
RIGHT BOTTOM OR LEFT BOTTOM



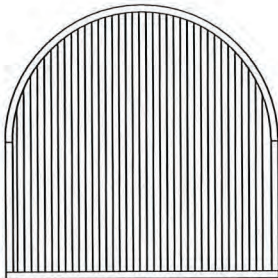
PARALLELOGRAM SHAPE H
N.T.S.



ROUND SHAPE A
N.T.S.
(AS TESTED)



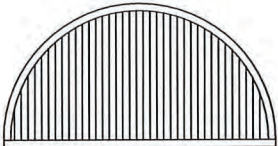
OVAL SHAPE G
N.T.S.



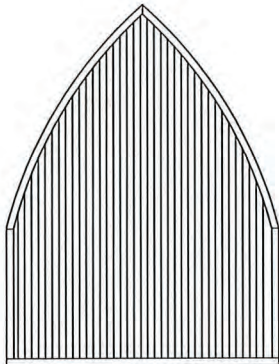
ROUND TOP SHAPE E
N.T.S.



QUARTER ROUND SHAPE C OR D
N.T.S.
NOTE: CAN BE RIGHT OR LEFT HAND



HALF ROUND SHAPE H OR B
N.T.S.
NOTE: CAN BE TOP OR BOTTOM



GOTHIC SHAPE F
N.T.S.

NOTES:

- 1. ALL LOUVER SHAPES TO BE CONSTRUCTED AS SHOWN ON FOLLOWING SHEETS. (ELT & ELR)
- 2. MAXIMUM SINGLE SECTION SIZE 48" WIDE X 96" HIGH. UNLIMITED WIDTH CAN BE ACCOMPLISHED BY PLACING SINGLE SECTIONS SIDE BY SIDE.
- 3. EXTRUDED ALUMINUM H.H.B.S. CHANNEL TO BE NOTCHED TO FIT OVER JAMB FRAMES & TO FIT BETWEEN EACH BLADE. H.H.B.S. CHANNEL TO BE WELDED TO EACH BLADE AND TO JAMB FRAMES. H.H.B.S. CHANNEL IS REQUIRED FOR ANY LOUVER ASSEMBLY EXCEEDING 32" IN HEIGHT EQUALLY SPACED BETWEEN HEAD AND SILL. TWO H.H.B.S. ARE TO BE POSITIONED EQUALLY SPACED BETWEEN HEAD & SILL WHEN SPAN IS OVER 64" IN HEIGHT.
- 4. VISIBLE MULLIONS REQUIRED AT EVERY 48" IN WIDTH.

JEFFREY DEVON SMITH

LICENSE

No. 91182

Jeffrey Smith

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

12/17/2021

JEFFREY SMITH, P.E.

NO. 91182

PRODUCT REVISED

as complying with the Florida Building Code

NOA-No. 23-1116.05

Expiration Date 01/28/2027

By *[Signature]*

Miami-Dade Product Control

TOLERANCES

DECIMAL DIMENSIONS:

3 PLACE .XXX ±0.10

2 PLACE .XX ±0.020

FRACTION DIMENSIONS: ±1/16

ANGLE DIMENSIONS ±2°

USE W10-007 & 008

UNLESS SPECIFIED OTHERWISE

DWN. BY: GSL

CHK. BY: VMA

APPV'D. BY:

DATE: 3-13-98

DATE: 3-16-18

DATE:

DATE:

SHAPES & NOTES

RUSKIN

AUTHORITY IN AIR CONTROL

3900 DR. GREAVES RD

GRANDVIEW, MO 64030

TITLE

EME6625D

INSTALLATION

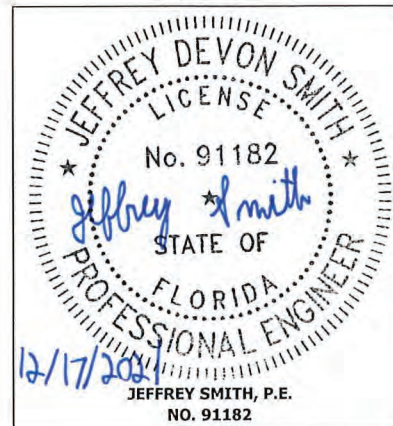
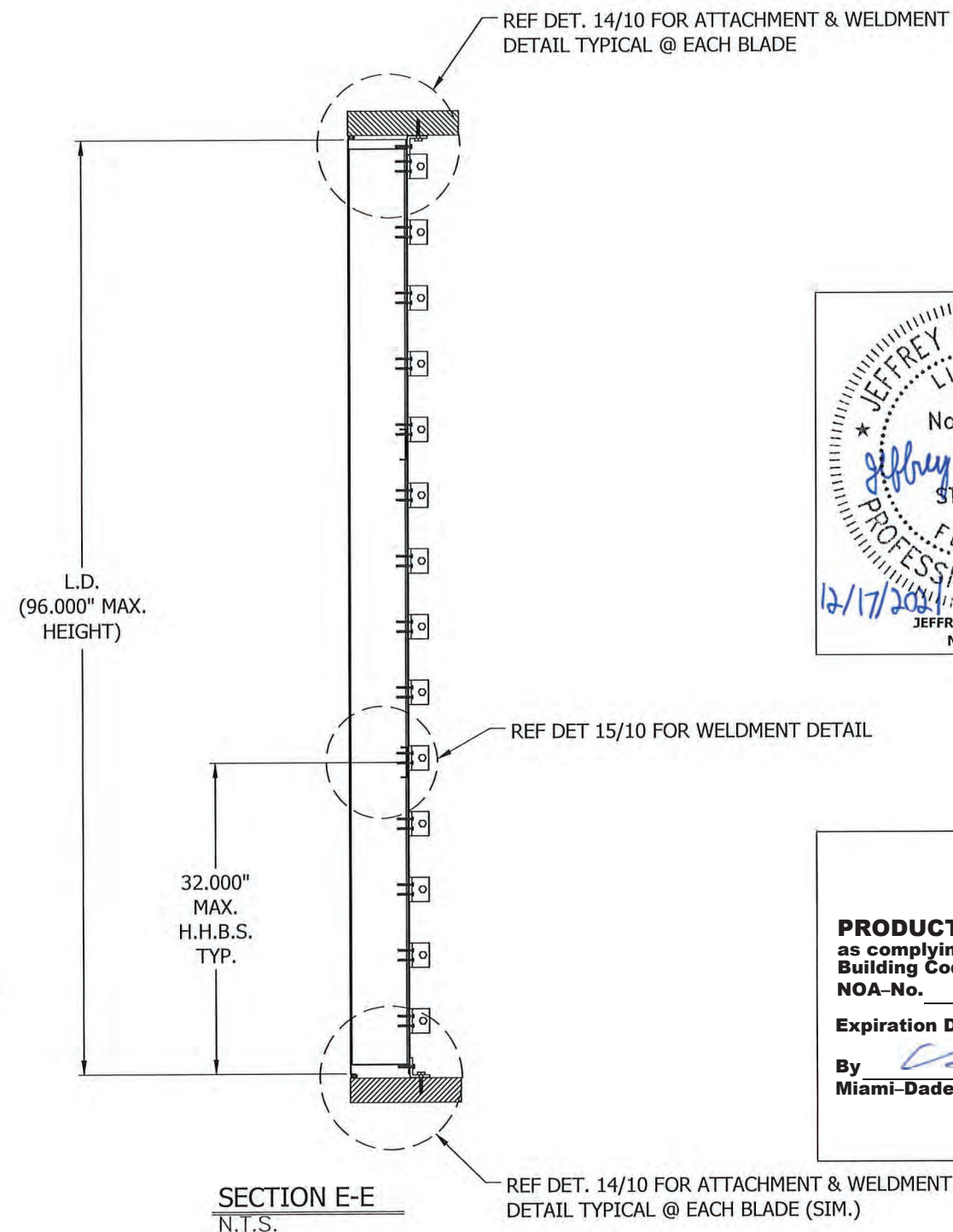
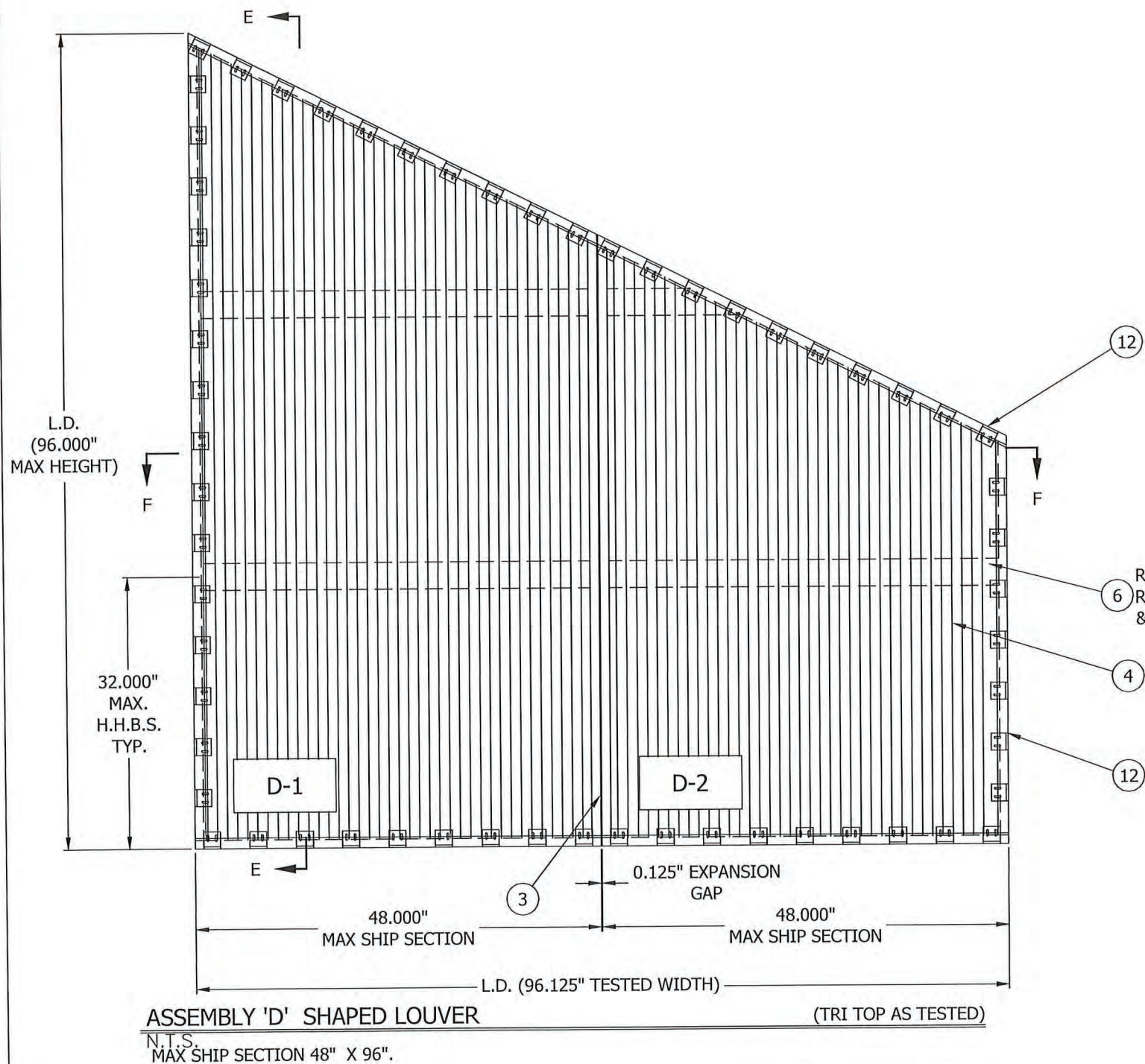
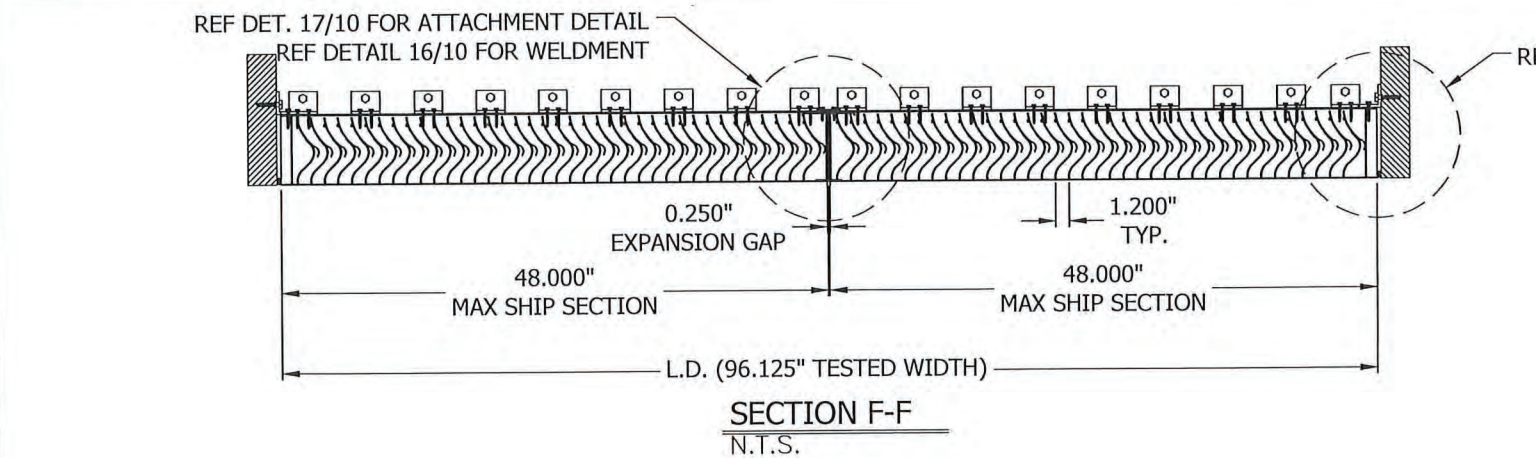
REV. L

SHEET 8 OF 17

DWG. NO.

60-021563-00D

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
PLOT SCALE		NONE				
ECN:						



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By *[Signature]*
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±0.010
2 PLACE .XX ±0.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE WIG-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: GSL	CHK. BY: VMA	APPV'D. BY:	APPV'D. BY:
DATE: 3-13-98	DATE: 3-16-18	DATE:	DATE:

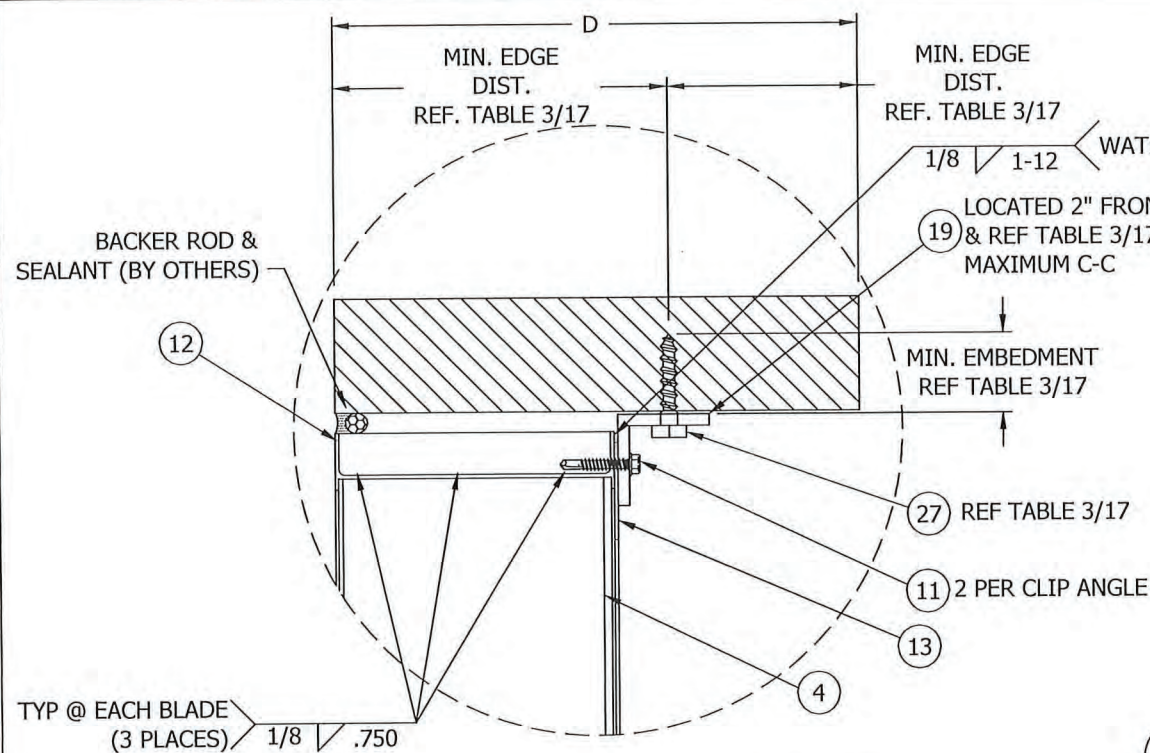
ASSEMBLY 'D' & DETAILS

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
PLOT SCALE		NONE				
REV. L		SHEET 9 OF 17				
DWG. NO.		60-021563-00D				

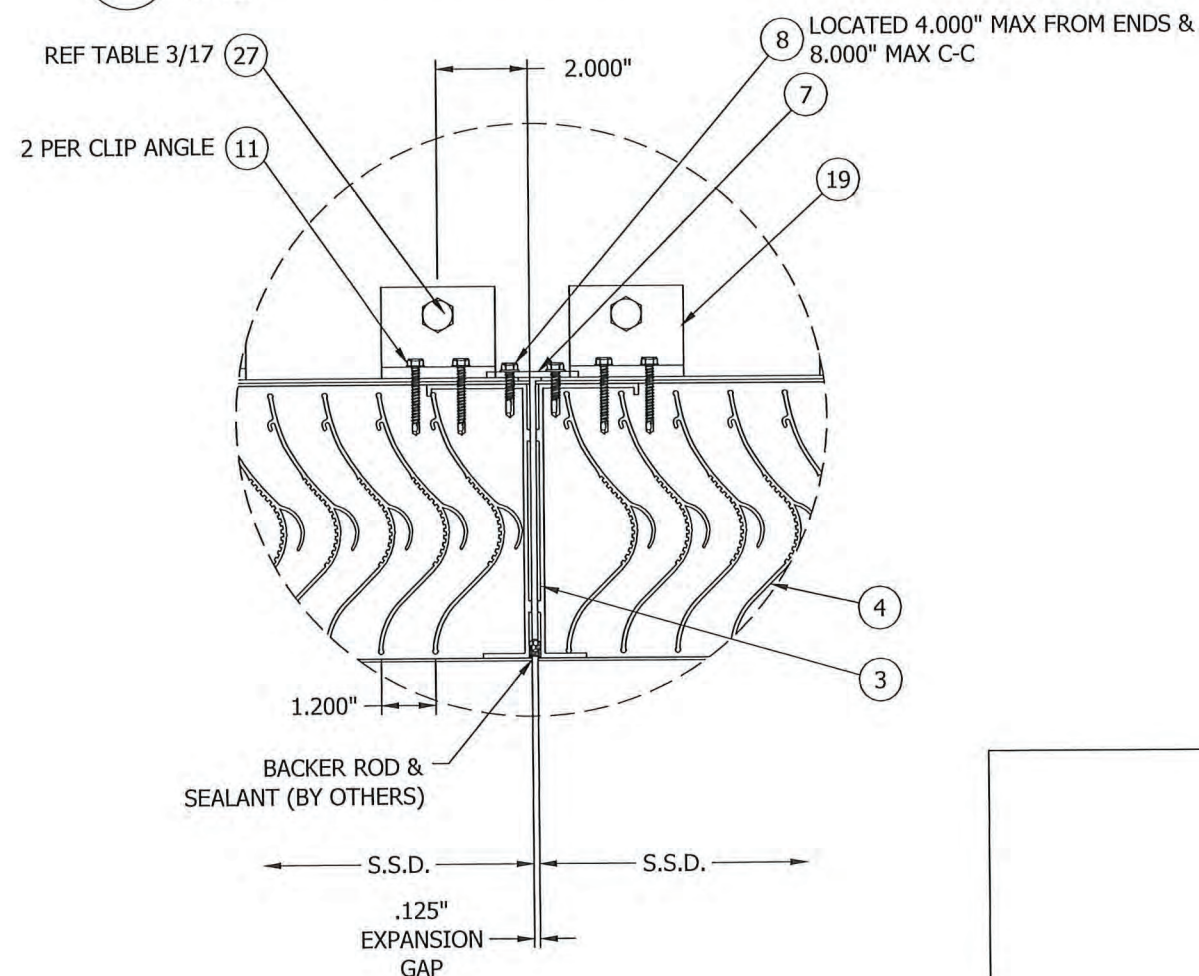
RUSKIN
AUTHORITY IN AIR CONTROL

3900 DR. GREAVES RD
GRANDVIEW, MO 64030

EME6625D
INSTALLATION

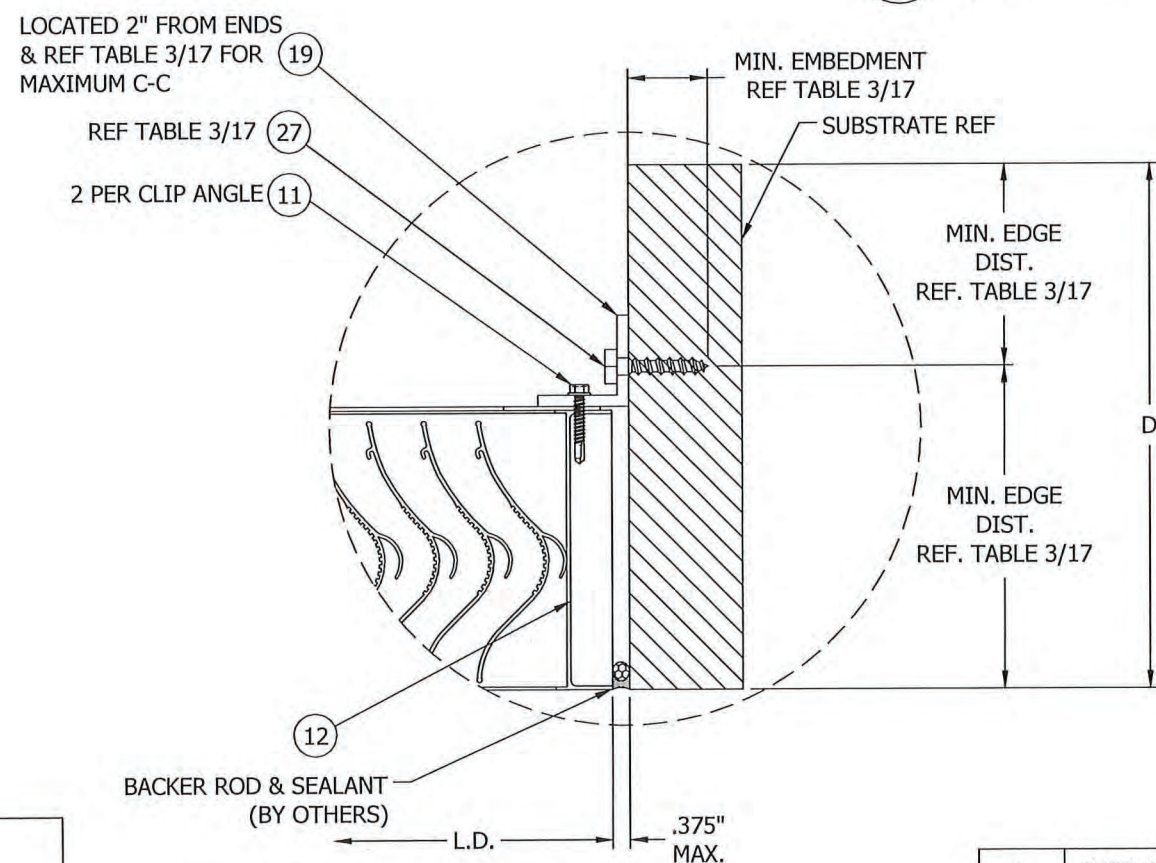


14 HEAD CONNECTION & WELDMENT DETAIL
09 N.T.S.



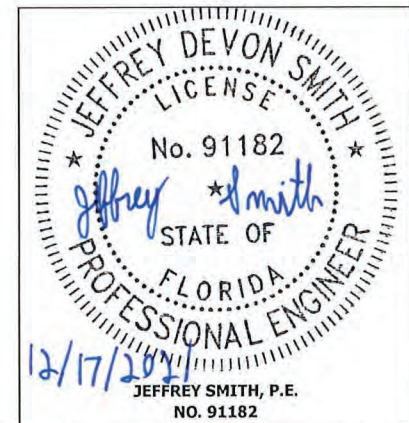
17 MULLION ATTACHMENT DETAIL
09 N.T.S.

15 H.H.B.S. WELDMENT DETAIL
09,11 N.T.S.



18 LOUVER ATTACHMENT DETAIL
09 N.T.S.

16 MULLION FRAME WELDMENT DETAIL
09 N.T.S.

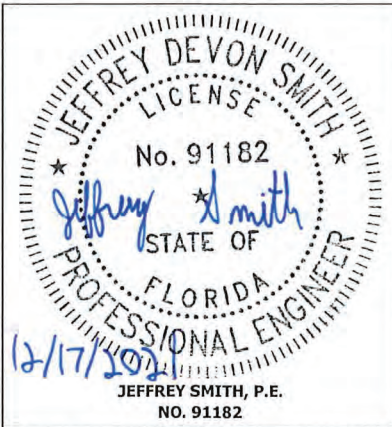
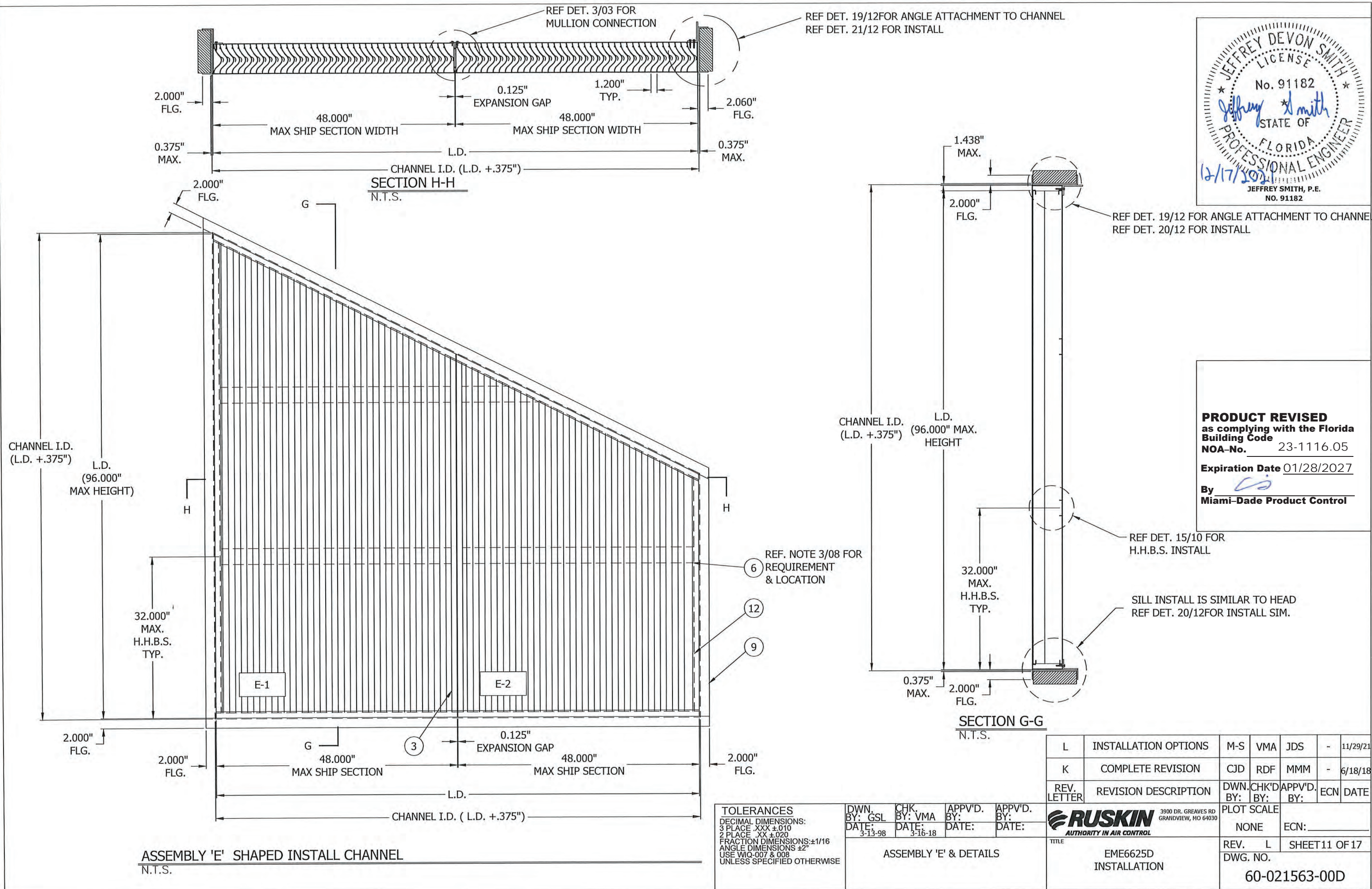


PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By *[Signature]*
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE WIG-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: GSL
DATE: 3-13-98
CHK. BY: VMA
DATE: 3-16-18
APPV'D. BY: [Signature]
DATE: [Blank]
APPV'D. BY: [Signature]
DATE: [Blank]
ASSEMBLY "D" SHAPED LOUVER
CONNECTION & INSTALL DETAILS

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
RUSKIN AUTHORITY IN AIR CONTROL		3900 DR. GREAVES RD GRANDVIEW, MO 64030		PLOT SCALE NONE ECN: _____		
TITLE EME6625D INSTALLATION		REV. L		SHEET 10 OF 17		
		DWG. NO.		60-021563-00D		



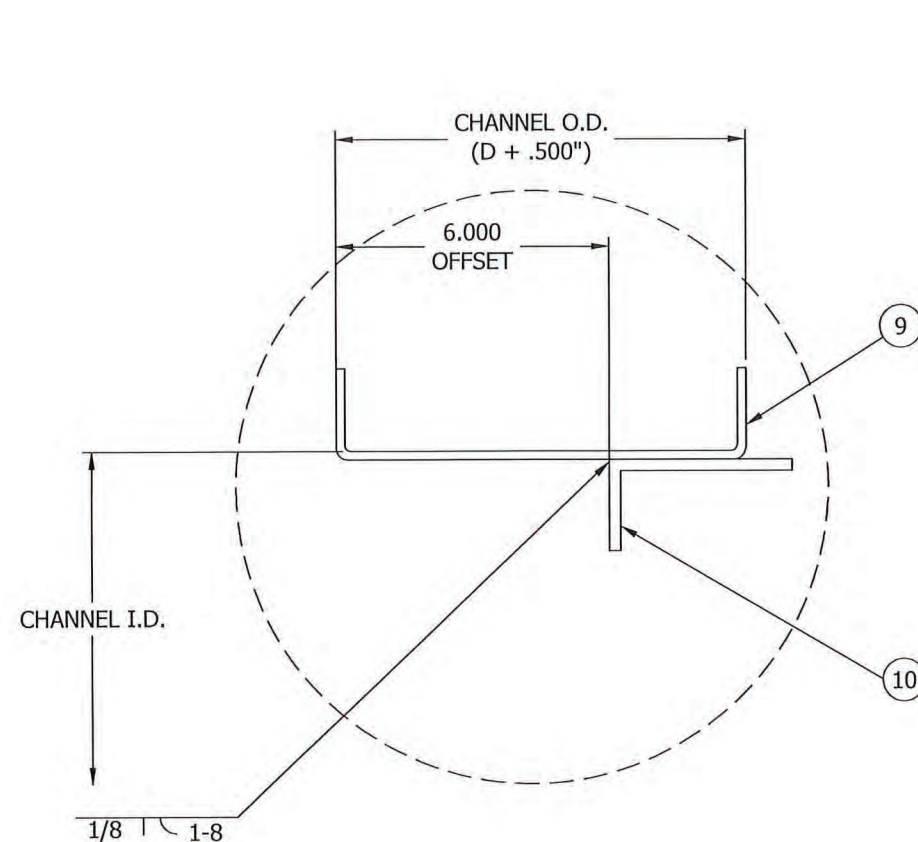
PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By 
Miami-Dade Product Control

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
PLOT SCALE		NONE				ECN: _____
REV. L		SHEET 11 OF 17				
DWG. NO.		60-021563-00D				

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±0.10
2 PLACE .XX ±0.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE W10-007 & 008
UNLESS SPECIFIED OTHERWISE

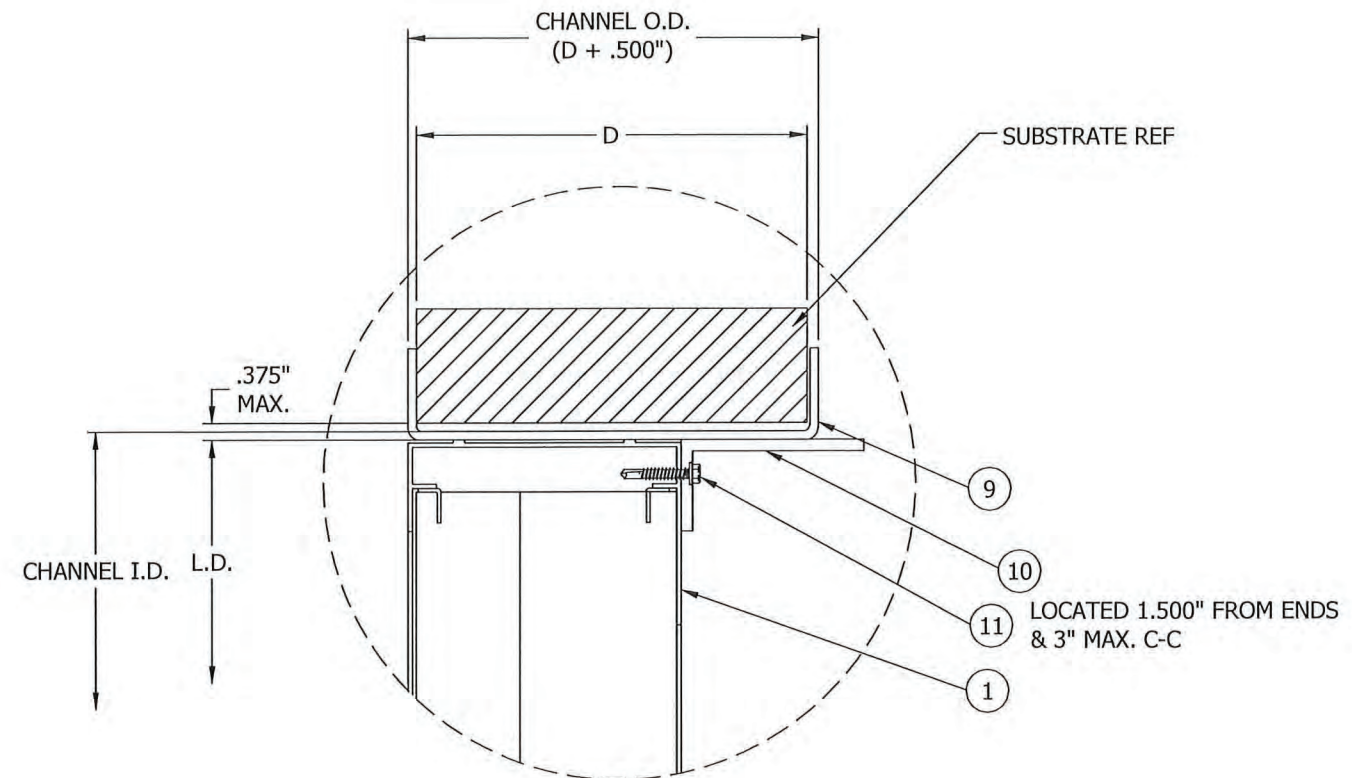
DWN. BY: GSL
DATE: 3-13-98
CHK. BY: VMA
DATE: 3-16-18
APPV'D. BY: _____
DATE: _____
APPV'D. BY: _____
DATE: _____
ASSEMBLY 'E' & DETAILS

RUSKIN
AUTHORITY IN AIR CONTROL
3900 DR. GREAVES RD
GRANDVIEW, MO 64030
TITLE
EME6625D
INSTALLATION



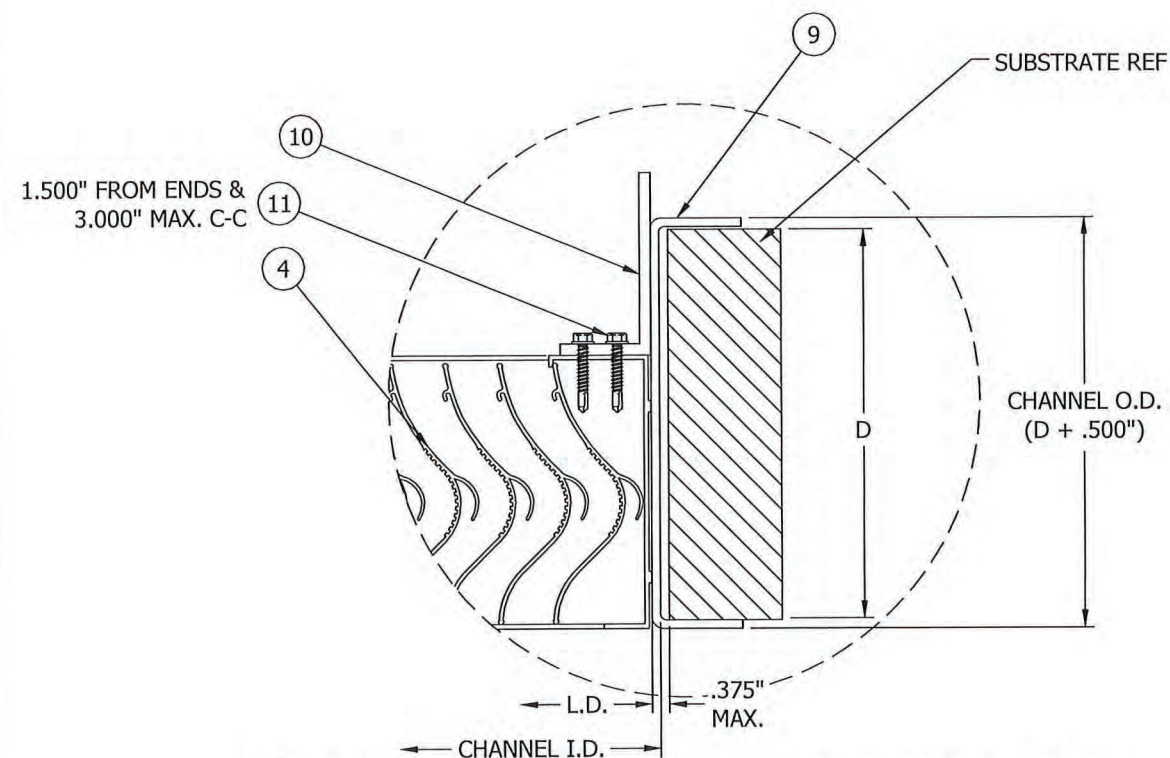
19 INSTALL CHANNEL WELDING DETAIL

06,11 N.T.S.
NOTE: TYP. @ PERIMETER LOUVER



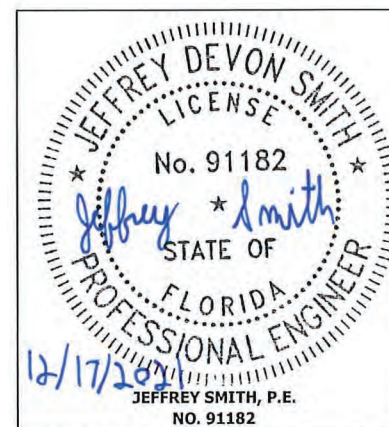
20 INSTALL CHANNEL CONNECTION DETAIL @ HEAD

06,11 N.T.S.
LOUVER SILL ATTACHMENT SIMILAR



21 INSTALL CHANNEL CONNECTION DETAIL @ JAMB

06,11 N.T.S.



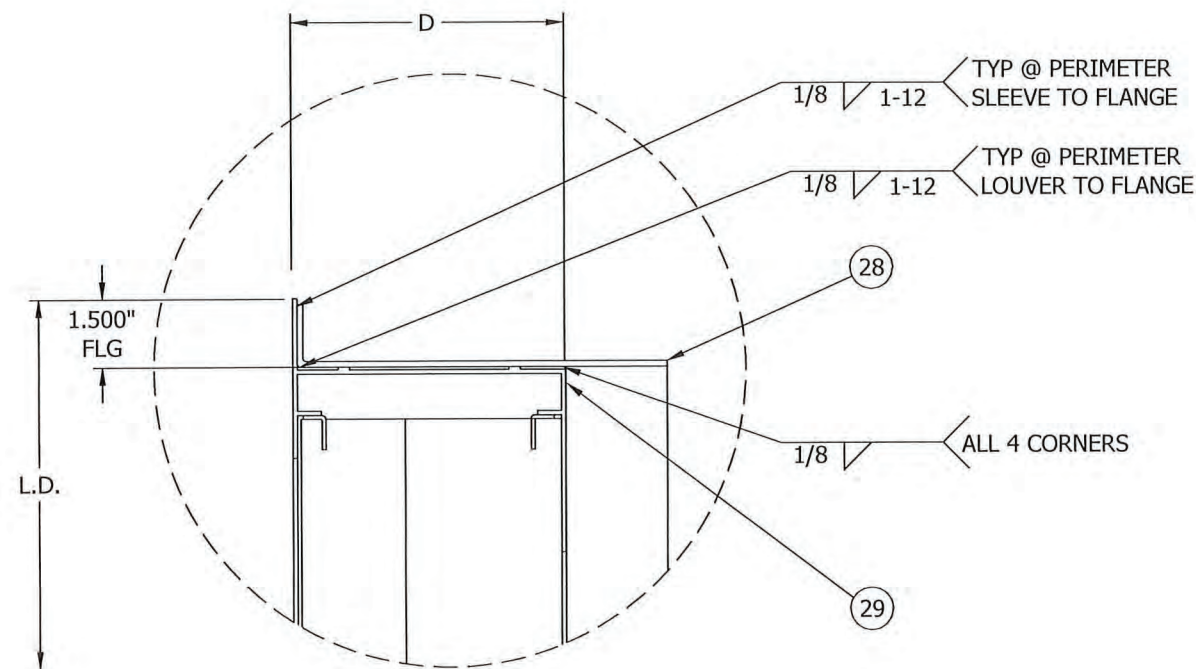
PRODUCT REVISED
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Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By *CS*
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE W10-007 & 008
UNLESS SPECIFIED OTHERWISE

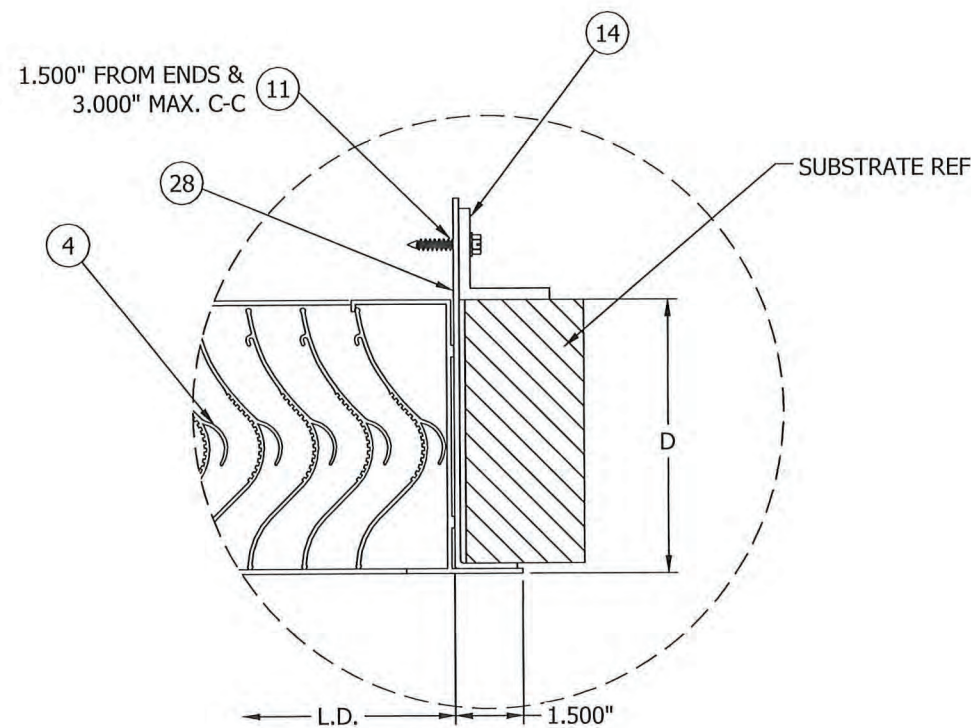
DWN. BY: GSL
DATE: 3-13-98
CHK. BY: VMA
DATE: 3-16-18
APPV'D. BY:
DATE:
APPV'D. BY:
DATE:

INSTALL CHANNEL DETAILS

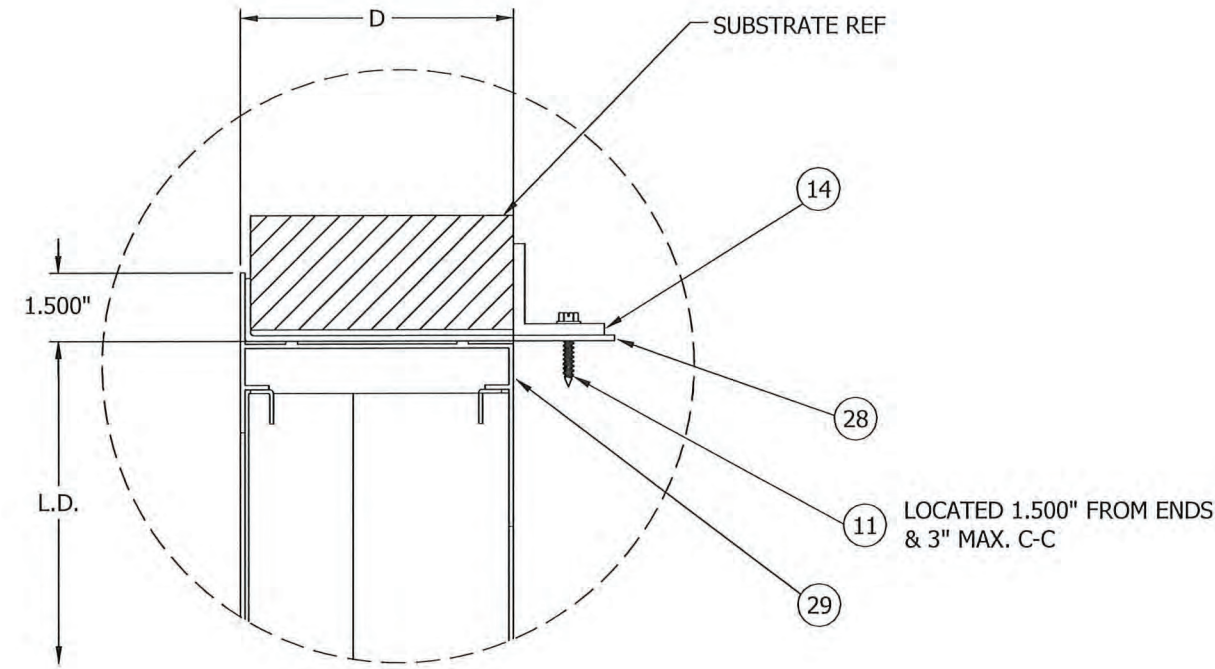
L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
PLOT SCALE		NONE				
TITLE		EME6625D INSTALLATION				
REV. L		SHEET 12 OF 17				
DWG. NO.		60-021563-00D				



22
07 UNIVERSAL SLEEVE WELDING DETAIL
N.T.S.



24
07 INSTALL UNIVERSAL SLEEVE DETAIL @ JAMB
N.T.S.



23
07 INSTALL UNIVERSAL SLEEVE DETAIL @ HEAD
N.T.S.
LOUVER SILL ATTACHMENT SIMILAR

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By *[Signature]*
Miami-Dade Product Control

REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18

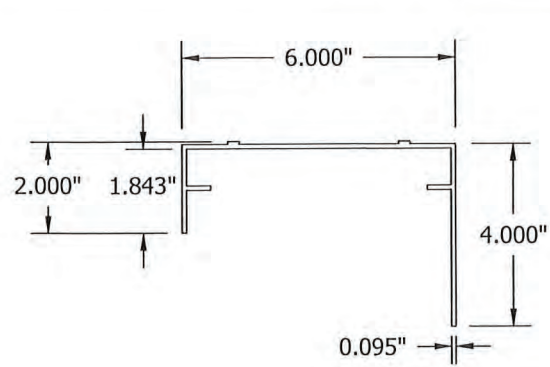
TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±0.10
2 PLACE .XX ±0.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE W10-007 & 008
UNLESS SPECIFIED OTHERWISE

INSTALL CHANNEL DETAILS

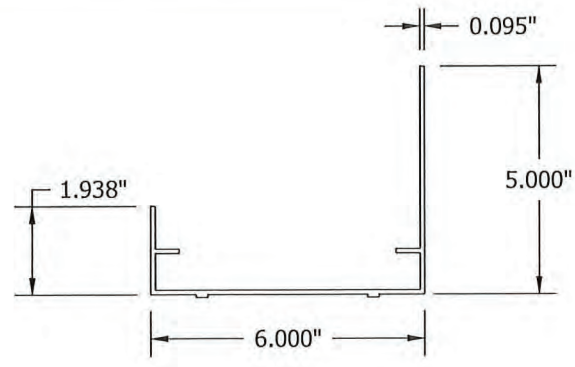
RUSKIN 3900 DR. GREAVES RD
GRANDVIEW, MO 64030
AUTHORITY IN AIR CONTROL

EME6625D
INSTALLATION

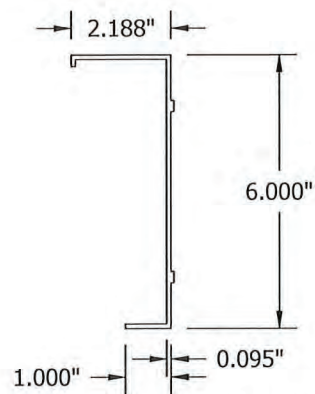
60-021563-00D



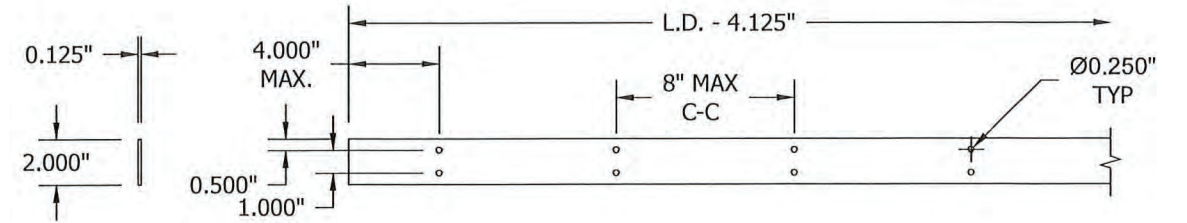
ITEM 1 LOUVER HEAD FRAME
N.T.S.
RUSKIN PART# : 70-021995-00B



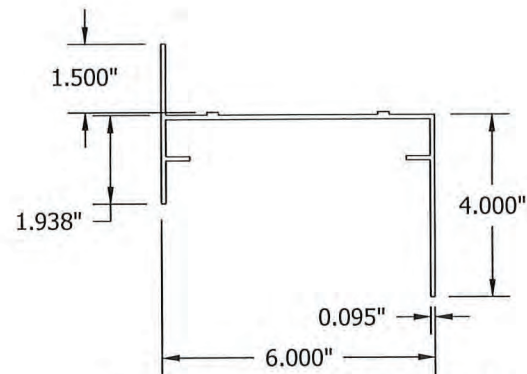
ITEM 2 LOUVER SILL FRAME
N.T.S.
RUSKIN PART# : 70-022627-00B



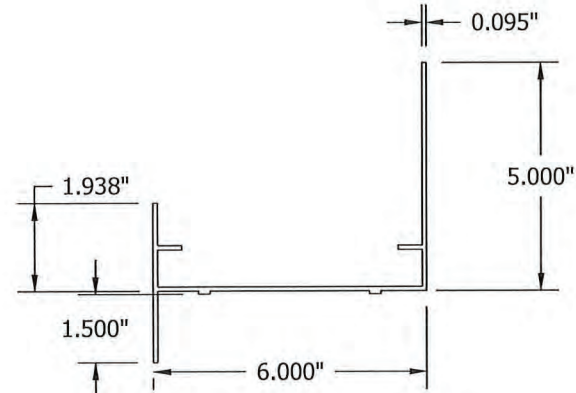
ITEM 3 LOUVER JAMB FRAME
N.T.S.
RUSKIN PART# : 70-022227-00B



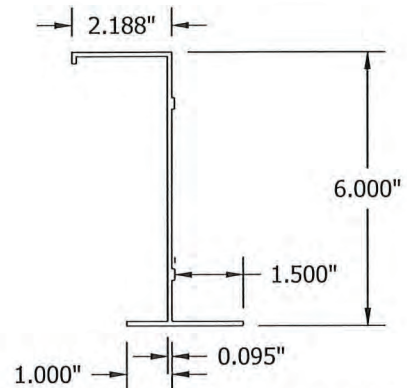
ITEM 7 LOUVER MULLION SPLICE
N.T.S.



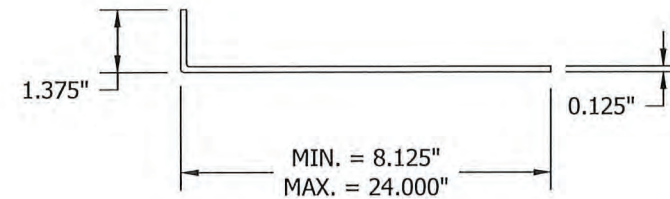
ITEM 29 LOUVER HEAD FRAME
N.T.S.
RUSKIN PART# : 70-022529-00B
WITH INTEGRAL FLANGE



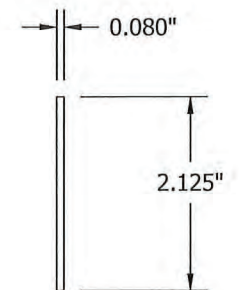
ITEM 30 LOUVER SILL FRAME
N.T.S.
RUSKIN PART# : 70-022722-00B
WITH INTEGRAL FLANGE



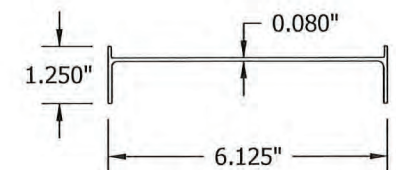
ITEM 31 LOUVER JAMB FRAME
N.T.S.
RUSKIN PART# : 70-022227-00B
WITH INTEGRAL FLANGE



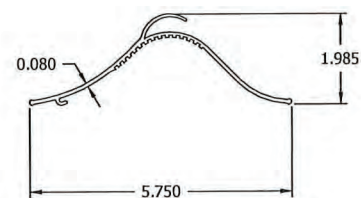
ITEM 28 UNIVERSAL SLEEVE
N.T.S.
RUSKIN PART# : 70-022227-00B



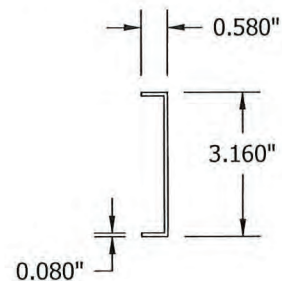
ITEM 13 SHAPE WATER STOP
N.T.S.



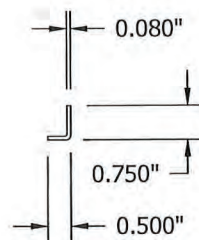
ITEM 12 EXTERIOR SHAPE FRAME
N.T.S.
RUSKIN PART # 70-022507-00B



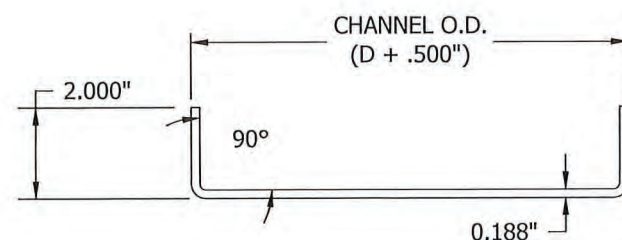
ITEM 4 LOUVER BLADE
N.T.S.
RUSKIN PART# : 70-020748-00B



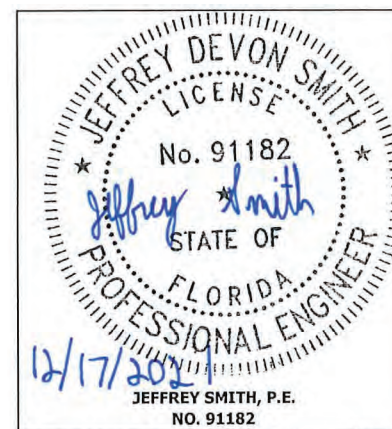
ITEM 6 LOUVER H.H.B.S.
N.T.S.
RUSKIN PART# : RSM7001



ITEM 5 LOUVER CORE ANGLE
N.T.S.
RUSKIN PART# : RSM7002



ITEM 9 INSTALL CHANNEL
N.T.S.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By *[Signature]*
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE WIG-007 & 008
UNLESS SPECIFIED OTHERWISE

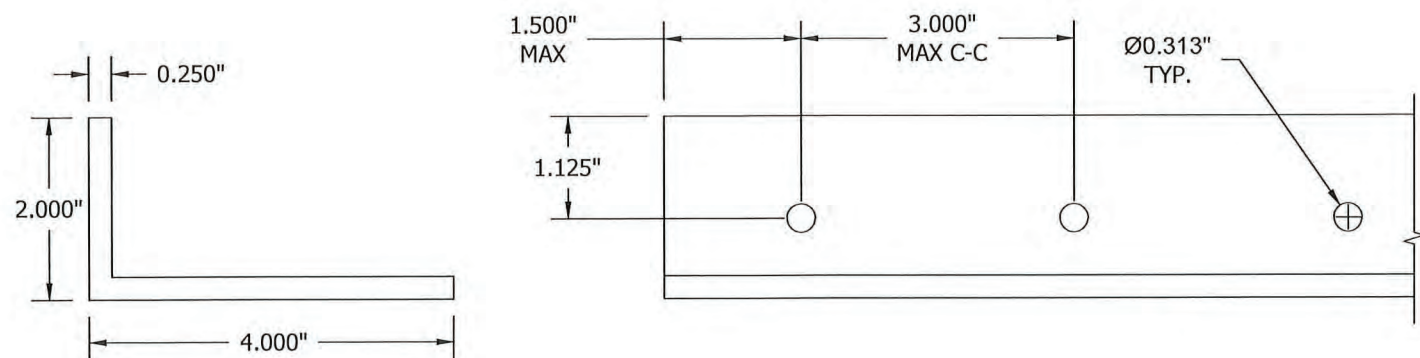
DWN. BY: GSL DATE: 3-13-98
CHK. BY: VMA DATE: 3-16-18
APPV'D. BY: DATE:
APPV'D. BY: DATE:

PARTS

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
PLOT SCALE		NONE				
TITLE		ECN: _____				
EME6625D INSTALLATION		REV. L SHEET 14 OF 17				
		DWG. NO. 60-021563-00D				

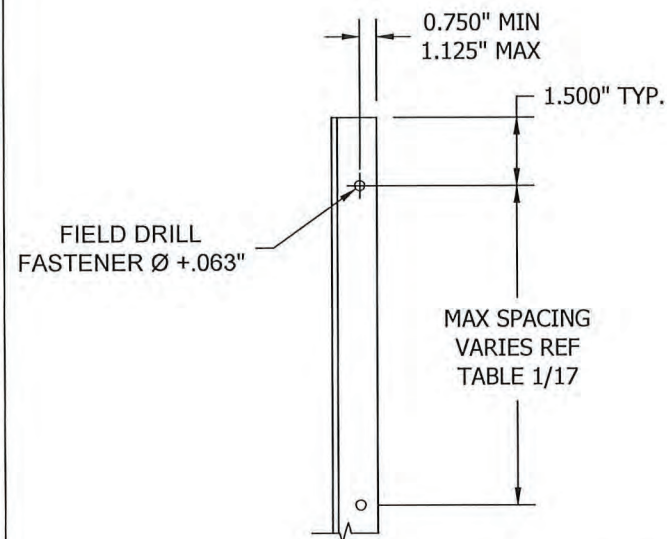
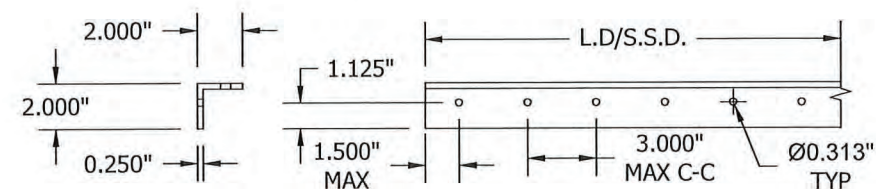
RUSKIN
AUTHORITY IN AIR CONTROL

3900 DR. GREAVES RD
GRANDVIEW, MO 64030



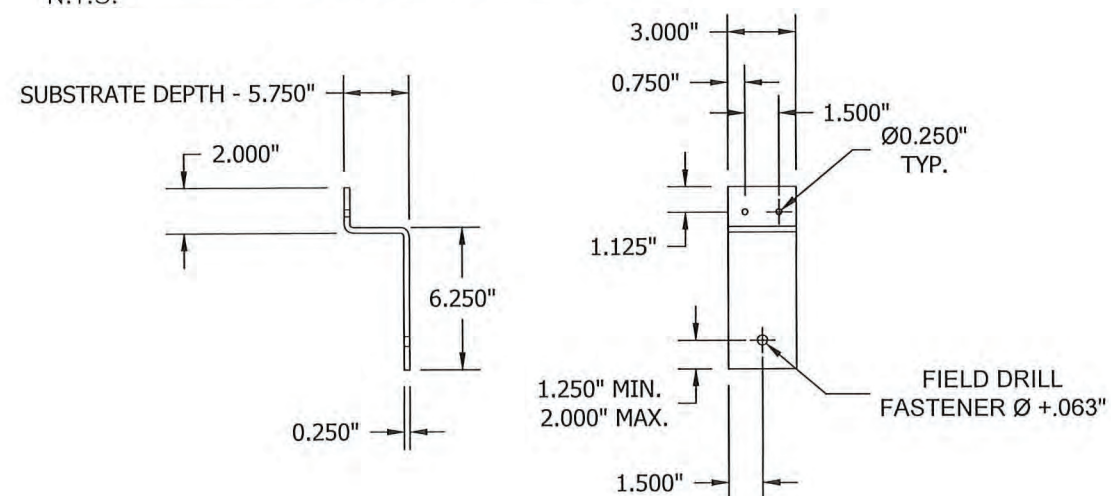
ITEM 10 CONT. RETAINING ANGLE

N.T.S.
RUSKIN PART # A1379



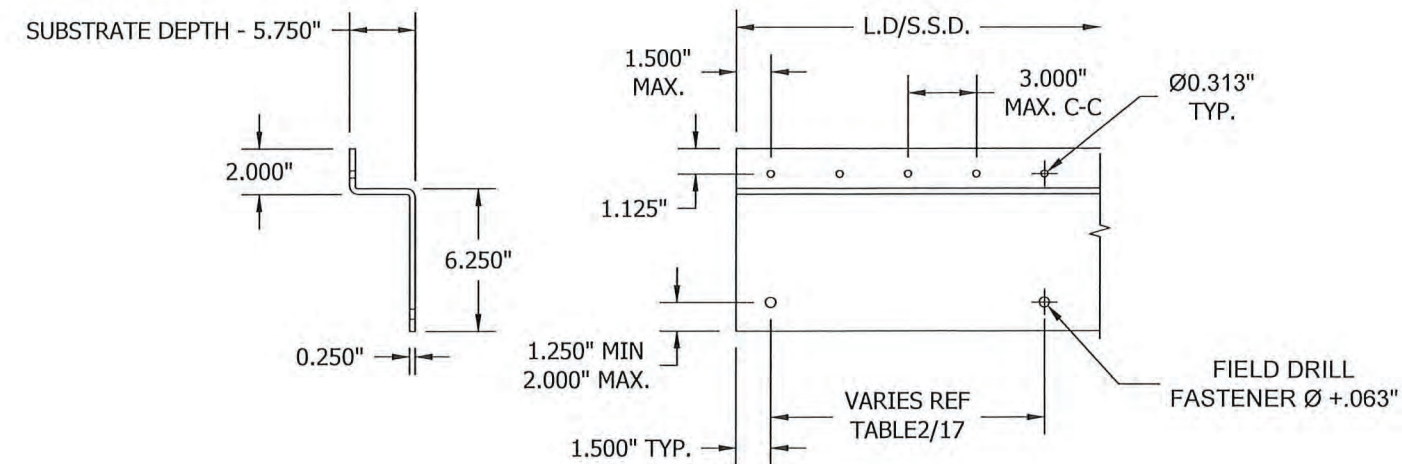
ITEM 14 LOUVER CONT. ATTACHMENT ANGLE

N.T.S.



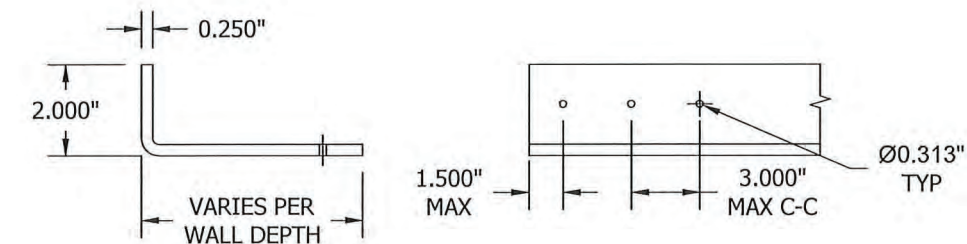
ITEM 16 3" ALTERNATE ATTACHMENT ZEE CLIP

N.T.S.



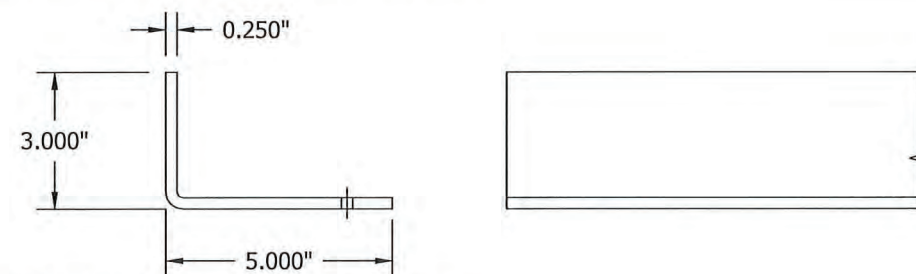
ITEM 15 ALTERNATE CONT. ATTACHMENT ZEE

N.T.S.



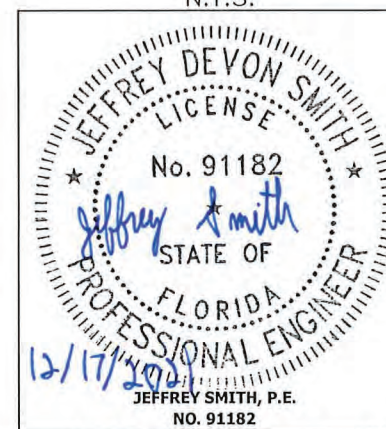
ITEM 21 ALTERNATE CONT. RETAINING ANGLE

N.T.S.



ITEM 22 ALTERNATE CONT. RETAINING ANGLE

N.T.S.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By *[Signature]*
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±0.010
2 PLACE .XX ±0.020
FRACTION DIMENSIONS: 1/16
ANGLE DIMENSIONS ±2°
USE W10-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: GSL
DATE: 3-13-98
CHK. BY: VMA
DATE: 3-16-18
APPV'D. BY:
DATE:
APPV'D. BY:
DATE:

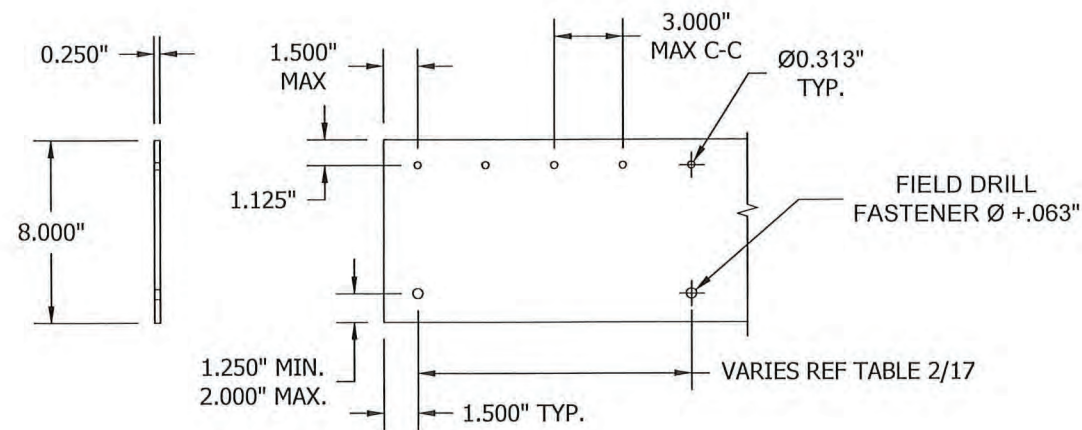
PARTS

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE

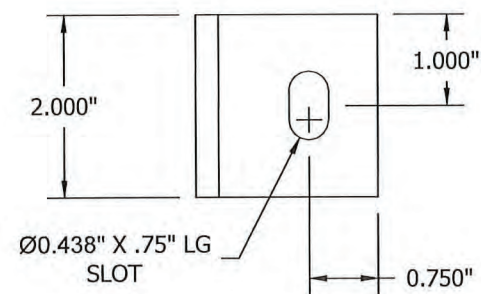
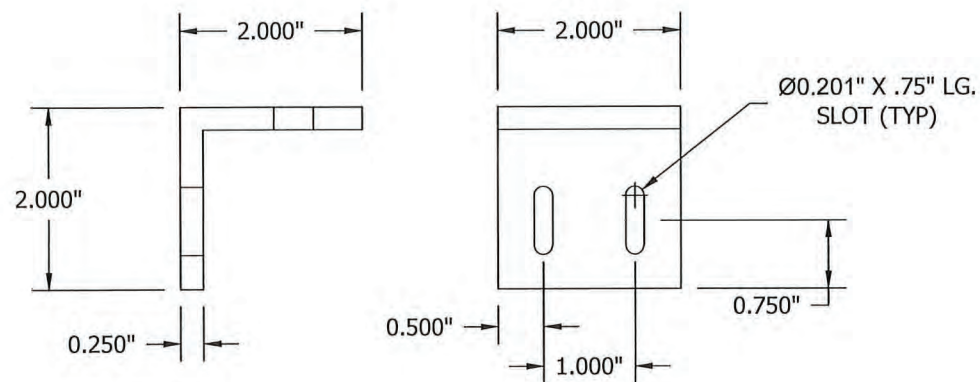
RUSKIN
3900 DR. GREAVES RD
GRANDVIEW, MO 64030
PLOT SCALE
NONE
ECN: _____

REV. L SHEET 15 OF 17
DWG. NO. 60-021563-00D

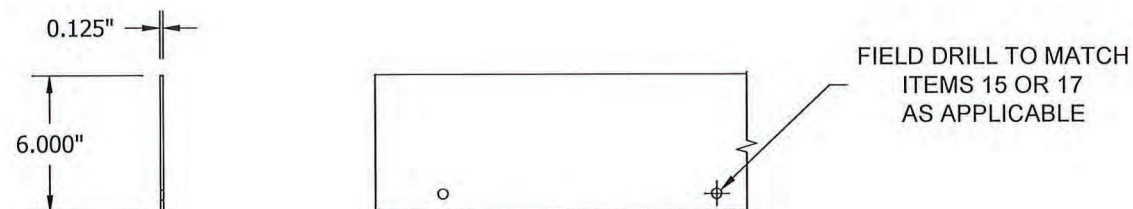
EME6625D
INSTALLATION



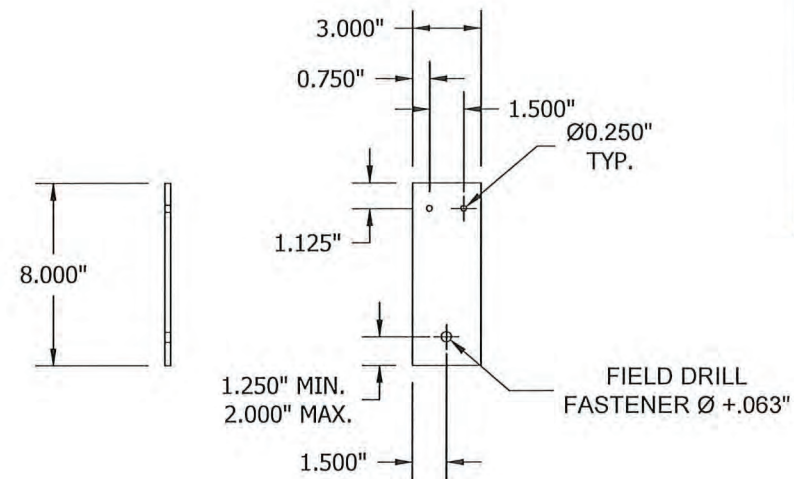
ITEM 17 ALTERNATE ATTACHMENT CONT. FLAT PLATE
N.T.S.



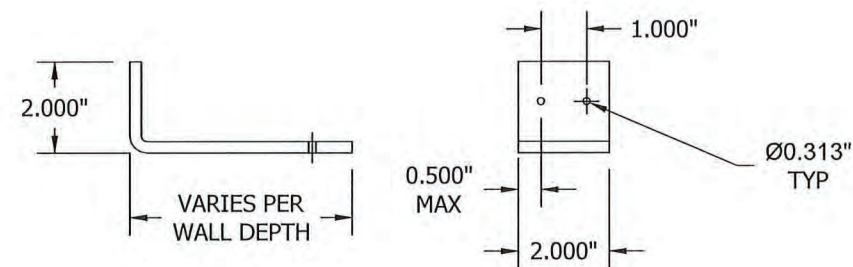
ITEM 19 ATTACHMENT CLIP ANGLE
N.T.S.



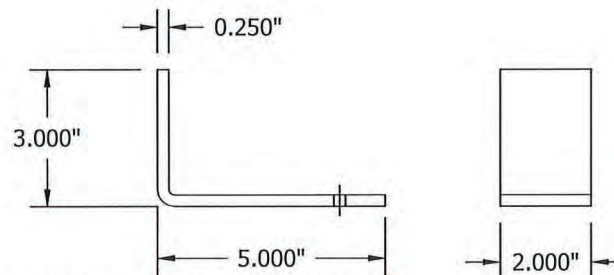
ITEM 18 ALTERNATE ATTACHMENT CONT. STIFFNER PLATE
N.T.S.



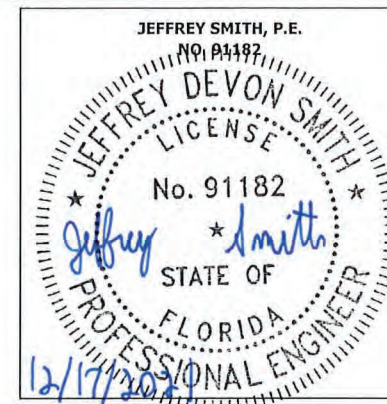
ITEM 20 3\"/>



ITEM 23 ALTERNATE RETAINING ANGLE
N.T.S.



ITEM 24 ALTERNATE RETAINING ANGLE
N.T.S.



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By *[Signature]*
Miami-Dade Product Control

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±0.010
2 PLACE .XX ±0.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE WIG-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: GSL DATE: 3-13-98
CHK. BY: VMA DATE: 3-16-18
APPV'D. BY: DATE:
APPV'D. BY: DATE:

PARTS

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
PLOT SCALE		NONE				
TITLE		ECN: _____				
EME6625D INSTALLATION		REV. L	SHEET 16 OF 17			
		DWG. NO.	60-021563-00D			

RUSKIN
AUTHORITY IN AIR CONTROL
3900 DR. GREAVES RD
GRANDVIEW, MO 64030

TABLE 1						TABLE 3					
CONTINUOUS ANGLE CONNECTION (ITEM #26)						CONNECTION FOR SHAPED LOUVER (ITEM # 27)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING	MIN. EMBEDMENT	MIN. EDGE DISTANCE	SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. ANGLE C-C SPACING	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	3" THICK, 0.42 SPECIFIC GRAVITY	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	1 1/2"	WOOD	3" THICK, 0.42 SPECIFIC GRAVITY	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	1 1/2"
		3/8" DIA. LAG SCREW, MIN. A307 GRADE A	6"	2 5/8"	1 1/2"			3/8" DIA. LAG SCREW, MIN. A307 GRADE A	6"	2 5/8"	1 1/2"
STEEL	16 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"	STEEL	16 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
	10 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	6"	3 THREADS BEYOND SUB. THICKNESS	5/8"		10 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	6"	3 THREADS BEYOND SUB. THICKNESS	5/8"
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"	ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3/4"
		5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	3"	3 THREADS BEYOND SUB. THICKNESS	5/8"			5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	3"	3 THREADS BEYOND SUB. THICKNESS	5/8"
CONCRETE	UNCRACKED, 2220 PSI COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	1 3/4"	1 1/2"	CONCRETE	UNCRACKED, 2220 PSI COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	1 3/4"	1 1/2"
		UNCRACKED, 2500 PSI COMP. STRENGTH	1/4" DIA. BUILDEX TAPCON+, CARBON STEEL*	4"	2 1/8"			2 1/2"	UNCRACKED, 2500 PSI COMP. STRENGTH	1/4" DIA. BUILDEX TAPCON+, CARBON STEEL*	4"
	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL		3"	2 1/2"	1 1/2"		3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"		2 1/2"	1 1/2"
	3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL		3 3/4"	2 3/8"	2 1/4"		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3 3/4"		2 3/8"	2 1/4"
	CRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 1/2"	2 3/4"		CRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	3"	2 1/2"	2 3/4"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3 3/4"	2 3/8"	3 1/2"			3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3 3/4"	2 3/8"	3 1/2"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	2"	2"	GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	2"	2"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3"	2 3/8"	1 3/4"			3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	3"	2 3/8"	1 3/4"

TABLE 2					
CONTINUOUS ZEE/FLAT PLATE CONNECTION (ITEM #26)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING	MIN. EMBEDMENT	MIN. SUBSTRATE DEPTH**
WOOD	3" THICK, 0.42 SPECIFIC GRAVITY	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	3"
		3/8" DIA. LAG SCREW, MIN. A307 GRADE A	6"	2 5/8"	3"
STEEL	16 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	SUB. THICKNESS
	10 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	6"	3 THREADS BEYOND SUB. THICKNESS	SUB. THICKNESS
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	3/8" DIA. BOLT W/ NUT, MIN. A307 GRADE A	6"	3 THREADS BEYOND NUT	SUB. THICKNESS
		5/16" DIA. SELF DRILLING SCREW, MIN. SAE GRADE 2*	3"	3 THREADS BEYOND SUB. THICKNESS	SUB. THICKNESS
CONCRETE	UNCRACKED, 2220 PSI COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	1 3/4"	4"
	UNCRACKED, 2500 PSI COMP. STRENGTH	1/4" DIA. BUILDEX TAPCON+, CARBON STEEL*	4"	2 1/8"	4"
	CRACKED, 2500 PSI COMP. STRENGTH	3/8" DIA. BUILDEX TAPCON+, CARBON STEEL	6"	2 1/2"	4"
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"	2 3/8"	4"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	3"	2"	6" NOM. (5 5/8" ACT.)
		3/8" DIA. POWERS POWER-STUD+ SD1, CARBON STEEL	6"	2 3/8"	6" NOM. (5 5/8" ACT.)

NOTES:
* COUNTER SUNK PHILLIPS FLAT HEAD ANCHORS MAY BE USED.
** ONLY AS REQ'D FOR ANCHORAGE, DESIGN OF SUBSTRATE IS NOT BY RUSKIN. ACTUAL SUBSTRATE DEPTH SHALL BE PER PROJECT DRAWINGS.

JEFFREY SMITH, P.E.
No. 91182
12/17/2021

JEFFREY DEVON SMITH
LICENSE
No. 91182
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 23-1116.05
Expiration Date 01/28/2027
By Miami-Dade Product Control

L	INSTALLATION OPTIONS	M-S	VMA	JDS	-	11/29/21
K	COMPLETE REVISION	CJD	RDF	MMM	-	6/18/18
REV. LETTER	REVISION DESCRIPTION	DWN. BY:	CHK'D BY:	APPV'D. BY:	ECN	DATE
TITLE		PLOT SCALE		NONE		
EME6625D INSTALLATION		REV. L		SHEET 17 OF 17		
		DWG. NO.		60-021563-00D		

TOLERANCES
DECIMAL DIMENSIONS:
3 PLACE .XXX ±.010
2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE WIG-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: GSL
DATE: 3-13-98

CHK. BY: VMA
DATE: 3-16-18

APPV'D. BY:
DATE:

APPV'D. BY:
DATE:

PARTS & FASTENER TABLE

RUSKIN
AUTHORITY IN AIR CONTROL

3900 DR. GREAVES RD
GRANDVIEW, MO 64030