



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 EME3625DFLMD Aluminum Louver

APPROVAL DOCUMENT: Drawing No. **60-022494-00D**, titled "EME3625DFLMD Installation", sheets 1 through 11 of 11, prepared by Ruskin Company, dated 08/27/2018, signed and sealed by Melissa M. Massar, P.E., 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, 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 # 18-1106.04** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



NOA-No. 20-0909.07
Expiration Date: December 20, 2023
Approval Date: November 19, 2020
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA # 18-1106.04

A. DRAWINGS

1. Drawing No. **60-022494-00D**, titled “EME3625DFLMD Installation”, sheets 1 through 11 of 11, prepared by Ruskin Company, dated 08/27/2018, signed and sealed by Melissa M. Massar, P.E.

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 EME3625DFLMD Fixed Louvers, prepared by National Certified Testing Laboratories, Report No. **NCTL-210-4113-02**, dated 06/13/2018, signed and sealed by Douglas J. McDougall, P.E.
2. Test report on High Velocity Wind Driven Rain Resistance per AMCA 550-15 on a Model EME3625DFLMD Fixed Louver, prepared by Intertek, Report No. **I6736.01-801-44 R0**, dated 08/24/2018, signed and sealed by Tyler Westerling, P.E.

C. CALCULATIONS

1. EME3625DFLMD hurricane louver wind load review prepared by Ruskin Company, dated 10/26/2018, signed and sealed by Melissa M. Massar, P.E.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to 6th edition (2017) FBC issued by Ruskin Company, dated 10/26/2018, signed and sealed by Melissa M. Massar, P.E.
2. Statement letter of no financial interest issued by Ruskin Company, dated 10/26/2018, signed and sealed by Melissa M. Massar, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA-No. 20-0909.07

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA # 18-1106.04”

1. Drawing No. **60-022494-00D**, titled “EME3625DFLMD Installation”, sheets 1 through 11 of 11, prepared by Ruskin Company, dated 08/27/2018, signed and sealed by Melissa M. Massar, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

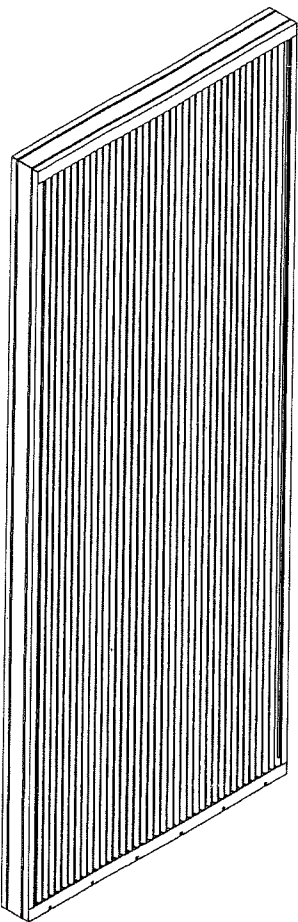
1. Statement letter of code conformance to the 7th edition (2020) FBC issued by Ruskin Company, dated 08/25/2020, signed and sealed by Melissa M. Massar, P.E.
2. Statement letter of no changes and not been affected by any changes in the 2020 FBC issued by Ruskin Company, dated 08/25/2020, signed and sealed by Melissa M. Massar, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
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PARTS LIST FOR STANDARD LOUVER			
ITEM	DESCRIPTION	MATERIAL	ALLOY
1	HEAD FRAME	.072" THK EXTRUDED ALUM.	6063-T6
2	SILL FRAME	.082" THK EXTRUDED ALUM.	6063-T6
3	JAMB FRAME	.062" THK EXTRUDED ALUM.	6063-T6
4	BLADE	.062" THK EXTRUDED ALUM.	6063-T6
5	CORE ANGLE	.063" THK EXTRUDED ALUM	6063-T6
6	H.H.B.S.	.063" THK EXTRUDED ALUM	6063-T6
MULTI SECTION CONNECTION PARTS			
7	MULLION SUPPORT ANGLES	.250" THK EXTRUDED ALUM	6063-T6
8	1/4-20 X 1 1/2" LG BOLT W/ WASHER & LOCKNUT"	ZINC PLATED ASTM A307 GRADE A	-
INSTALLATION PARTS			
9	CONT. ATTACHMENT ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
10	ALTERNATE ATTACHMENT CONT. ZEE	.250" THK FORMED ALUM.	5005-H34 OR 3003-H14
11	ALTERNATE ATTACHMENT ZEE CLIP	.250" THK FORMED ALUM.	5005-H34 OR 3003-H14
12	ALTERNATE ATTACHMENT CONT. FLAT PLATE	.250" THK ALUM.	5005-H34 OR 3003-H14
13	ALTERNATE ATTACHMENT CONT. STIFFENER PLATE	.125" THK ALUM.	5005-H34 OR 3003-H14
14	ATTACHMENT CLIP ANGLE	.250" THK EXTRUDED ALUM.	6063-T6
15	2" ALTERNATE ATTACHMENT FLAT PLATE	.250" THK ALUM.	5005-H34 OR 3003-H14
16	#10-16 "HWH" TYPE "SDS"	ZINC PLATED CARBON STEEL	-
17	1/4-14 "HWH" TYPE "SDS"	ZINC PLATED CARBON STEEL	-
18	SUBSTRATE FASTENER (RECT. LOUVER)(BY OTHERS)	VARIES REF TABLE 1/08	-
UNIVERSAL SLEEVE PARTS			
19	FRONT FLANGE UNIVERSAL SLEEVE	MIN. .125" THK FORMED ALUM.	5005-H34 OR 3003-H14
20	HEAD FRAME W/ INTEGRAL FLANGE	.072" THK EXTRUDED ALUM.	6063-T6
21	SILL FRAME W/ INTEGRAL FLANGE	.082" THK EXTRUDED ALUM.	6063-T6
22	JAMB FRAME W/ INTEGRAL FLANGE	.062" THK EXTRUDED ALUM.	6063-T6
23	CONT. RETAINING ANGLE	.250" THK EXTRUDED ALUM.	6063-T6



RECTANGLE LOUVER
N.T.S.

ABBREVIATIONS:

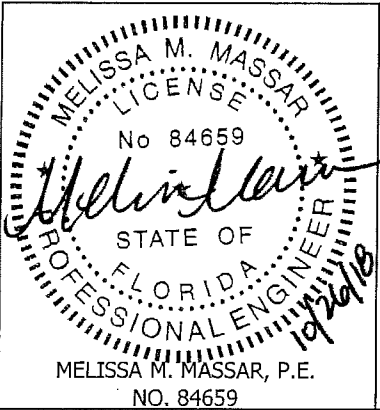
CONT. - CONTINUOUS
C-C - CENTER TO CENTER
D - SUBSTRATE DEPTH
DIM. - DIMENSION
FLG. - FLANGE
HDG - HOT DIPPED GALVANIZED
H.V.B.S. - HIDDEN VERTICLE BLADE SUPPORT
H.H.B.S. - HIDDEN HORIZONTAL BLADE SUPPORT
HWH -HEX WASHER HEAD
L.D. - LOUVER DIMENSION
MAX. - MAXIMUM
MIN. - MINIMUM
NOM. - NOMINAL
N.T.E. - NOT TO EXCEED
N.T.S. - NOT TO SCALE
O/C - ON CENTER
OPP. - OPPOSITE
R.O. - ROUGH OPENING
REF. -REFERENCE
S.S. - SHIP SECTION
S.S.D. - SHIP SECTION DIMENSION
S.D.S. - SELF DRILLING SCREW
SIM. - SIMILAR
STL - STEEL
SUB. - SUBSTRATE
TYP. - TYPICAL
U.N.O. - UNLESS NOTED OTHERWISE


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' UNIVERSAL SLEEVE
SHEET 07 - UNIVERSAL SLEEVE ATTACHMENT DETAILS
SHEET 08 - SUBSTRATE FASTENER TABLE & PARTS
SHEET 09 - PARTS
SHEET 10 - PARTS
SHEET 11 - PARTS


NOTES:

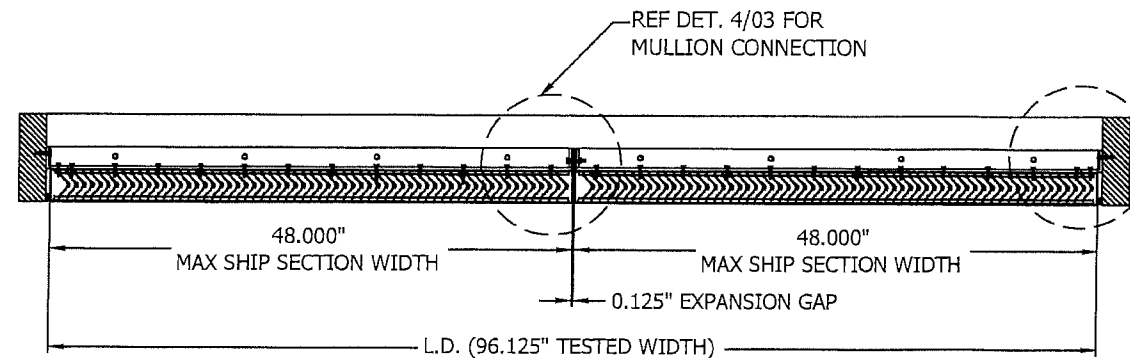
1. THE EME3625DFLMD HAS BEEN TESTED IN ACCORDANCE WITH & QUALIFIED TO FLORIDA PROTOCOLS TAS-201, 202, & 203 FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE, CYCLIC WIND PRESSURE, & AMCA 550 FOR HIGH VELOCITY WIND DRIVEN RAIN.
2. QUALIFICATION TO AMCA 550 ALLOWS THIS LOUVER TO BE INSTALLED IN A LOCATION WHERE 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 +/- 80 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 TABLE 1 ON SHEET 08 ARE AS NEEDED FOR ANCHORAGE ONLY.
5. MAXIMUM SINGLE SECTION SIZE FOR RECTANGLES 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 CUT TO FIT BETWEEN JAMB FRAMES & NOTCHED 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 LOUVER ASSEMBLY IS OVER 64" IN HEIGHT.
9. PART NUMBERS WITH A SQUARE ARE SHIPPED LOOSE.



PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. **18-1106.04**
Approval Date **12/20/2018**
By 
Miami-Dade Product Control

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as complying with the Florida
Building Code
NOA-No. **20-0909.07**
Expiration Date **12/20/2023**
By 
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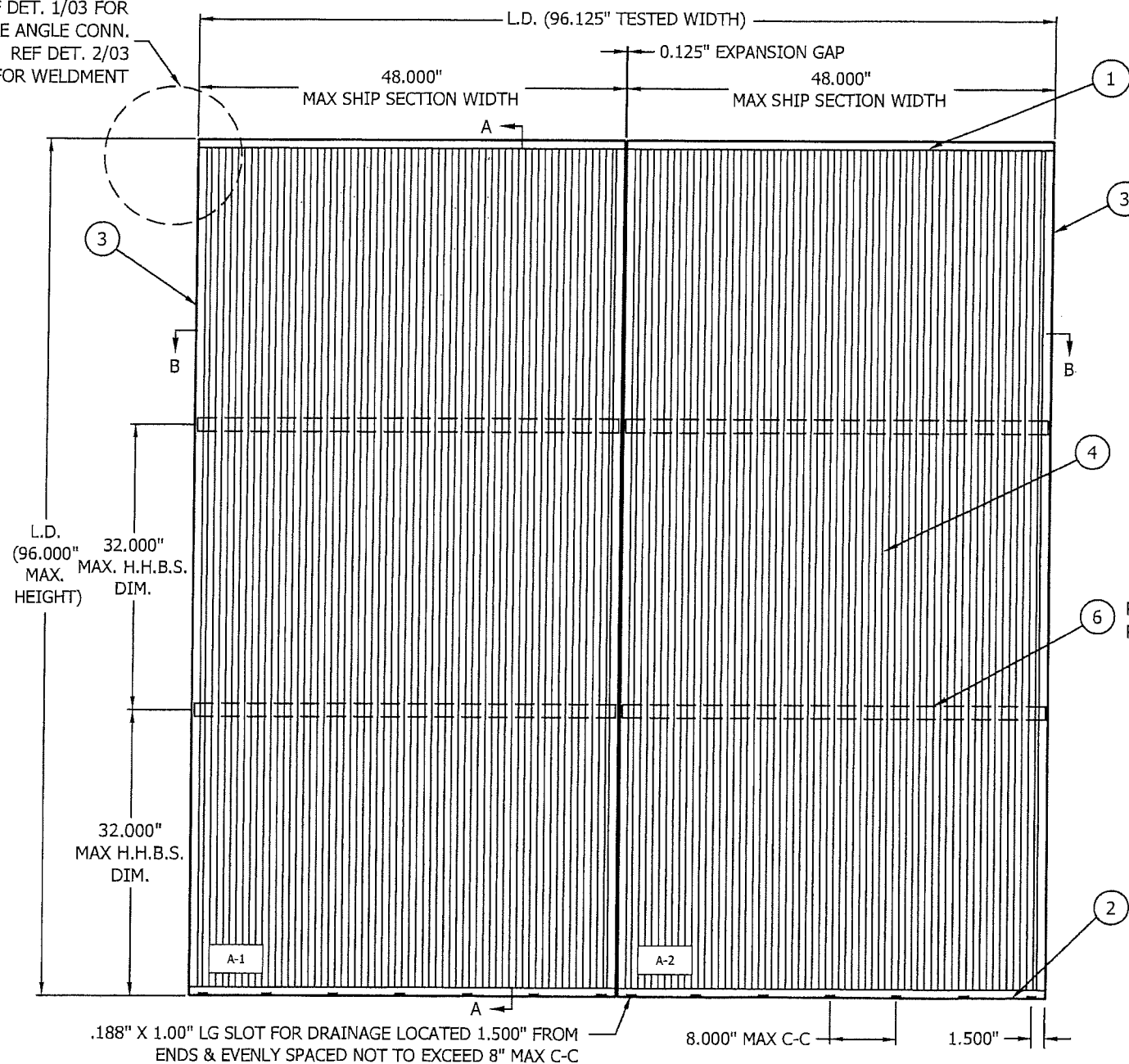
TOLERANCES DECIMAL DIMENSIONS: 3 PLACE .XXX ±.010 2 PLACE .XX ±.020 FRACTION DIMENSIONS:±1/16 ANGLE DIMENSIONS ±2° USE W10-007 & 008 UNLESS SPECIFIED OTHERWISE	DWN. BY: CJD DATE: 6/15/18	CHK. BY: JSR DATE: 8/27/18	APPV'D. BY: MMM DATE: 8/27/18	APPV'D. BY: DATE:	 3900 DR. GREAVES RD GRANDVIEW, MO 64030 RUSKIN AUTHORITY IN AIR CONTROL	PLOT SCALE	
	NOTES, PARTS LIST & DRAWINGS INDEX					NONE	ECN: _____
						REV. -	SHEET 1 OF 11



SECTION B-B
N.T.S.

REF. DET. 9/04 FOR STANDARD INSTALL
REF. DET. 10 THRU 12/05 FOR ALT. INSTALL

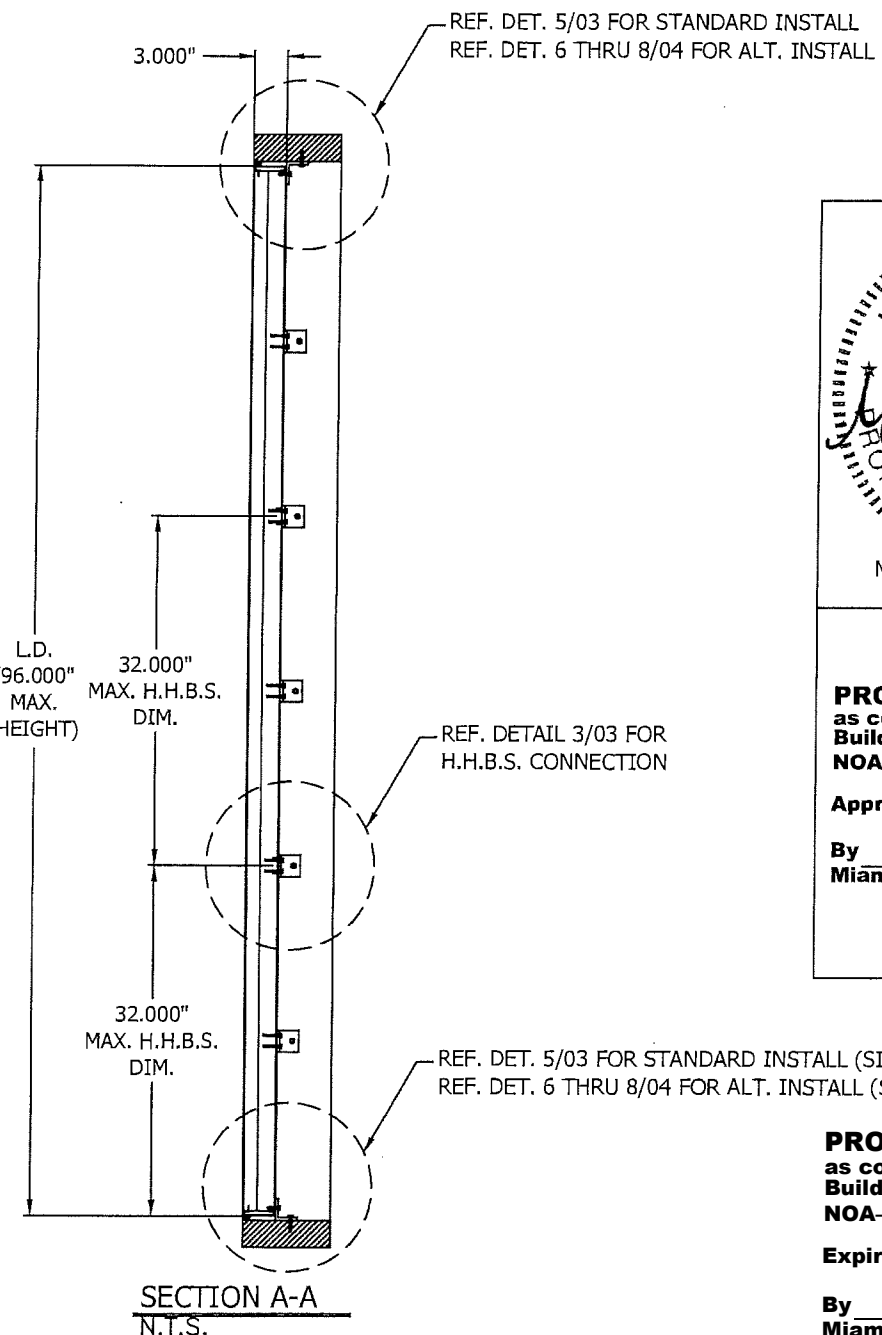
REF DET. 1/03 FOR
CORE ANGLE CONN.
REF DET. 2/03
FOR WELDMENT



ASSEMBLY 'A' CHANNEL FRAME LOUVER

N.T.S.
MAX SHIP SECTION 48\"/>

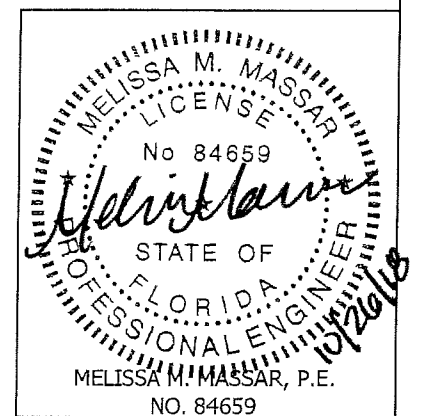
FRONT VIEW



SECTION A-A
N.T.S.

REF. DETAIL 3/03 FOR
H.H.B.S. CONNECTION

REF. DET. 5/03 FOR STANDARD INSTALL (SIM.)
REF. DET. 6 THRU 8/04 FOR ALT. INSTALL (SIM.)



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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: CJD	CHK. BY: JSR	APPV'D. BY: MIM	APPV'D. BY:
DATE: 6/15/18	DATE: 8/27/18	DATE: 8/27/18	DATE:

ASSEMBLY 'A' & SECTION VIEWS

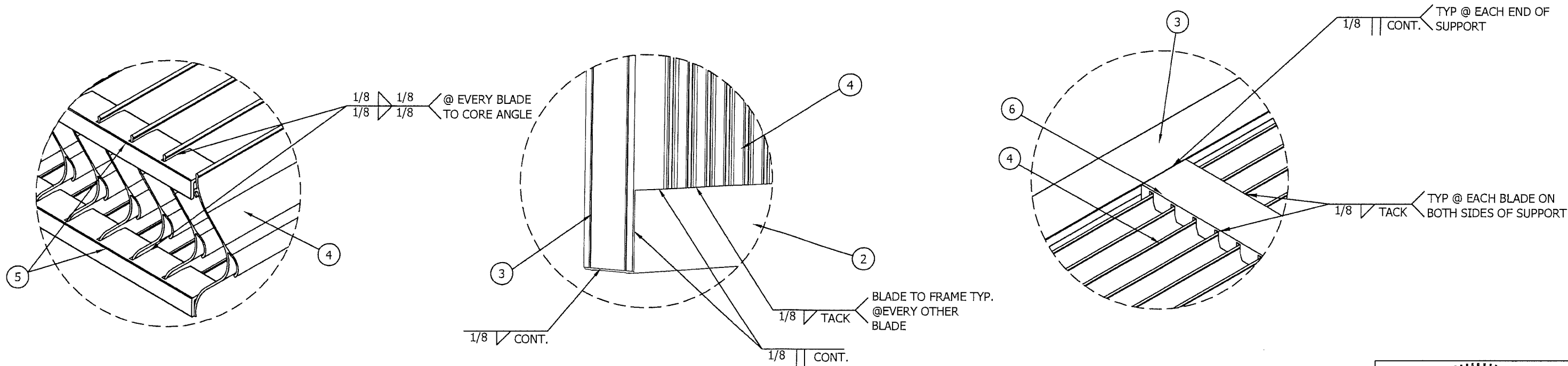
RUSKIN
AUTHORITY IN AIR CONTROL

EME3625DFLMD
INSTALLATION

3900 DR. GREAVES RD
GRANDVIEW, MO 64030

PLOT SCALE	NONE	ECN:
REV.	-	SHEET 2 OF 11

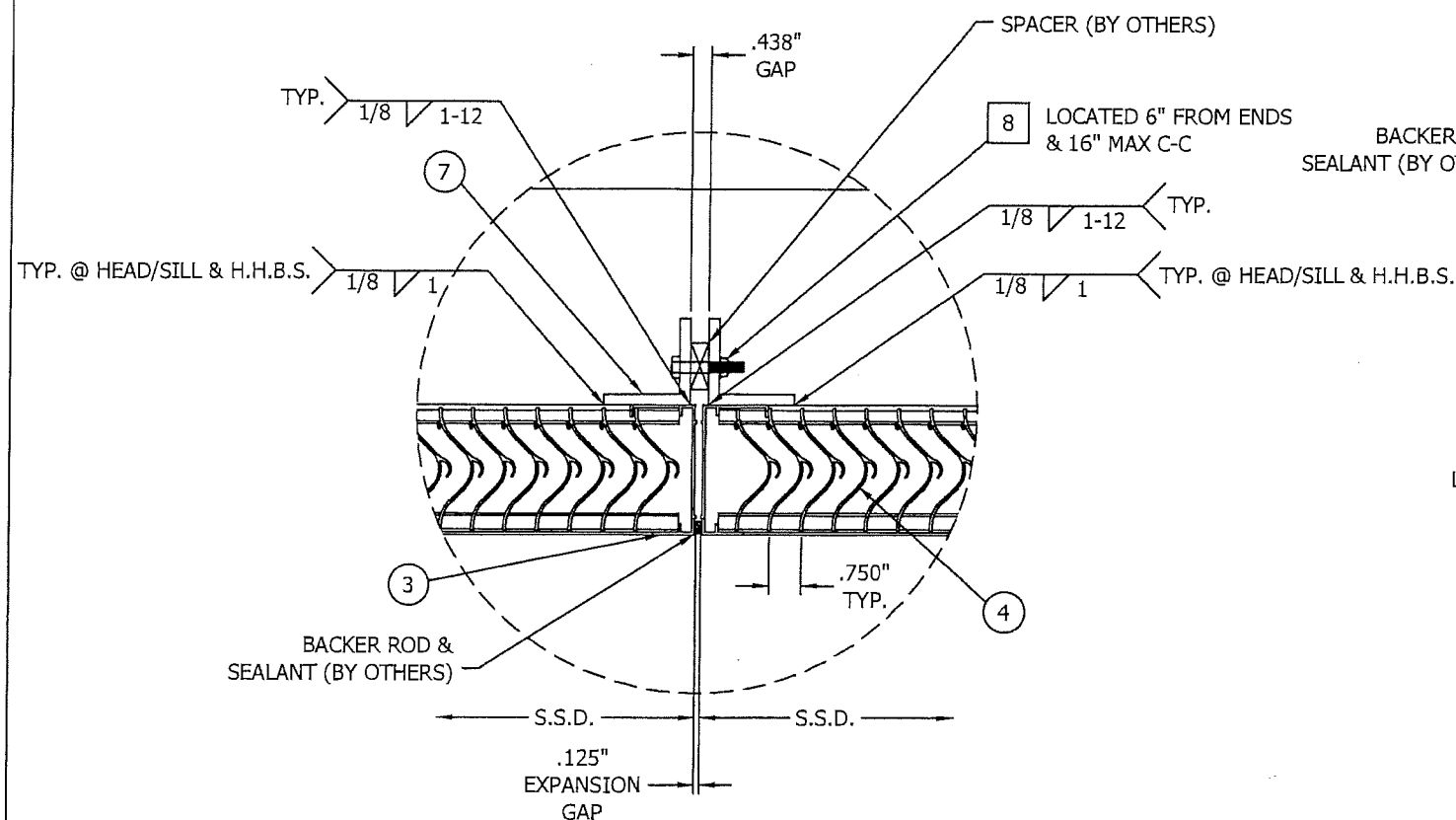
DWG. NO.	60-022494-00D
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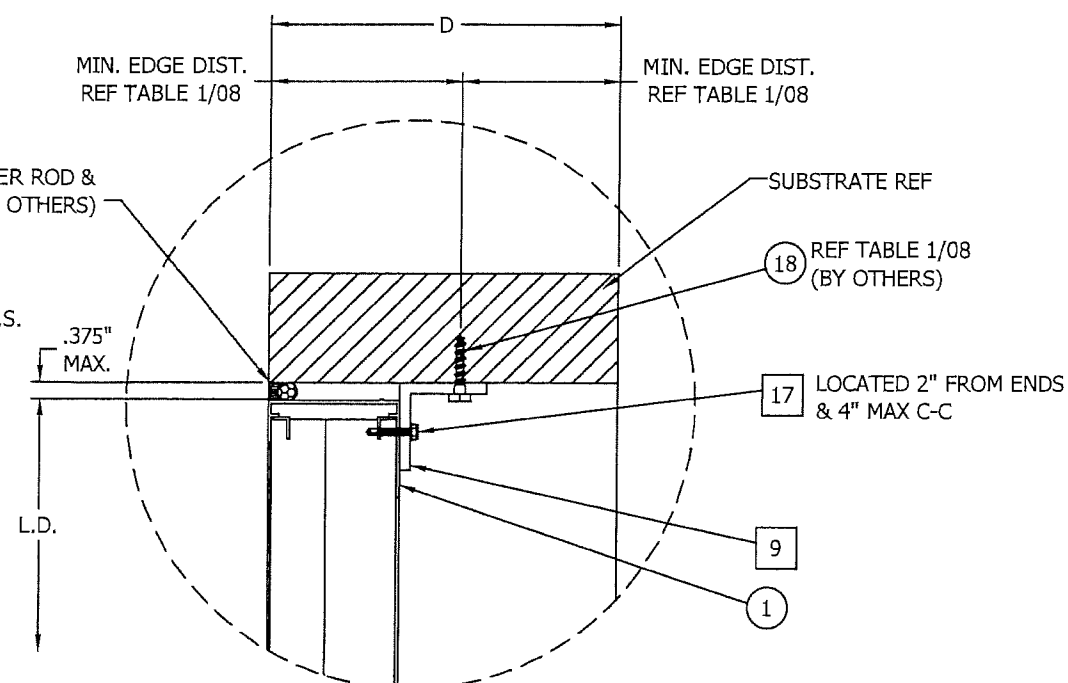
1 CORE ANGLE CONNECTION DETAIL
02 N.T.S.

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

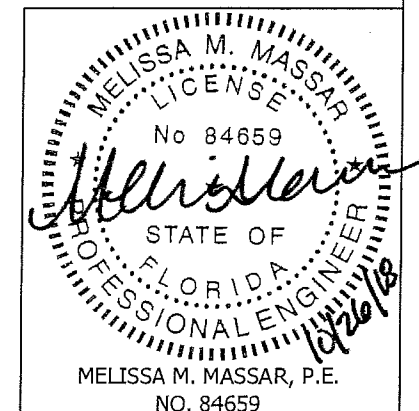
3 H.H.B.S. CONNECTION DETAIL
02 N.T.S.



4 MULLION CONNECTION DETAIL
02 N.T.S.



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



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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: CJD
DATE: 6/15/18
CHK. BY: JSR
DATE: 8/27/18
APPV'D. BY: MMM
DATE: 8/27/18
APPV'D. BY:
DATE:

RUSKIN
AUTHORITY IN AIR CONTROL

3900 DR. GREAVES RD
GRANDVIEW, MO 64030

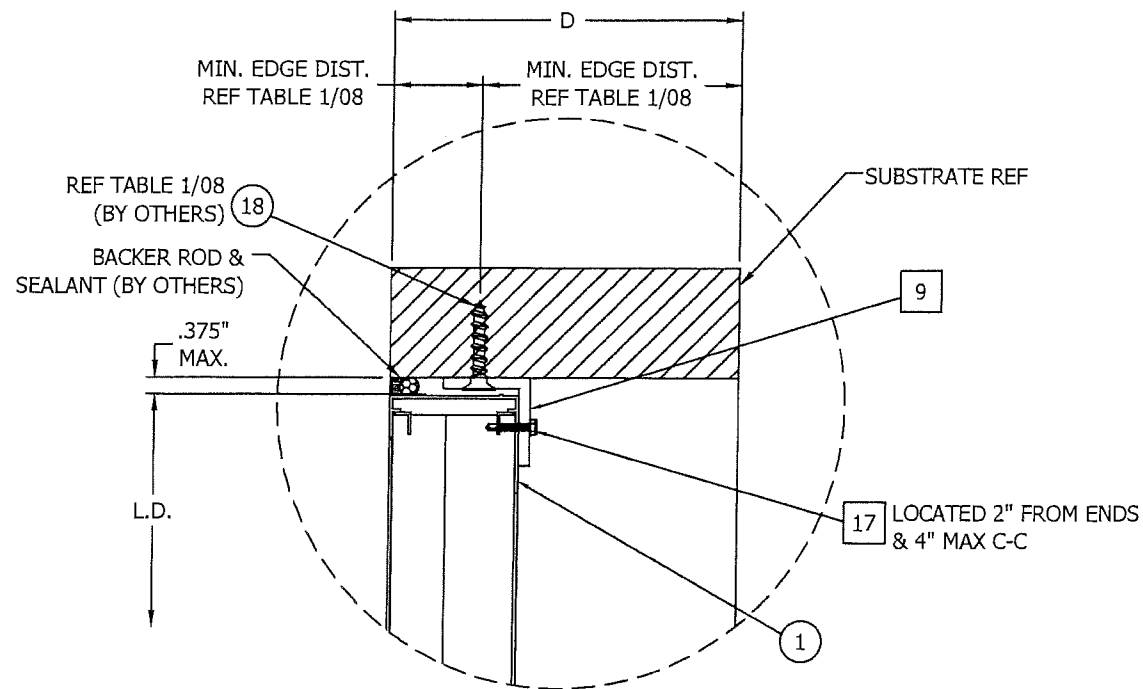
PLOT SCALE
NONE
ECN:

LOUVER CONNECTION & INSTALL
DETAILS

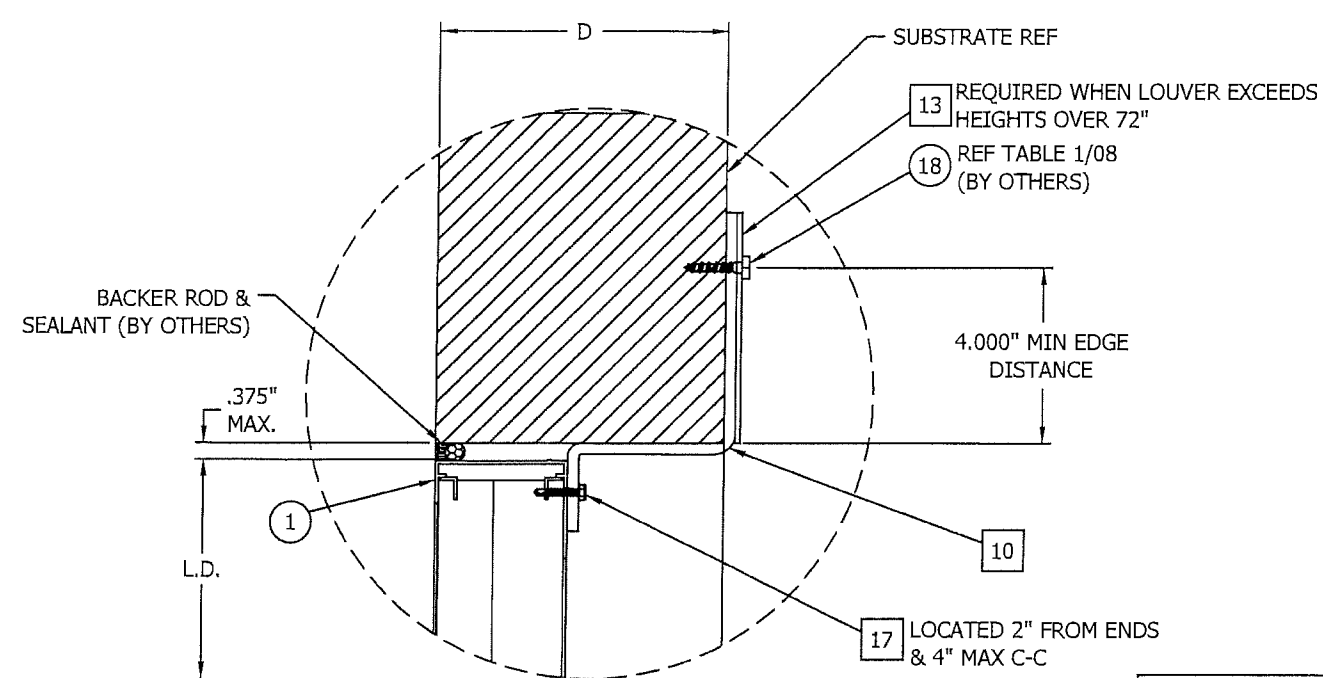
EME3625DFLMD
INSTALLATION

REV. -
DWG. NO.
60-022494-00D

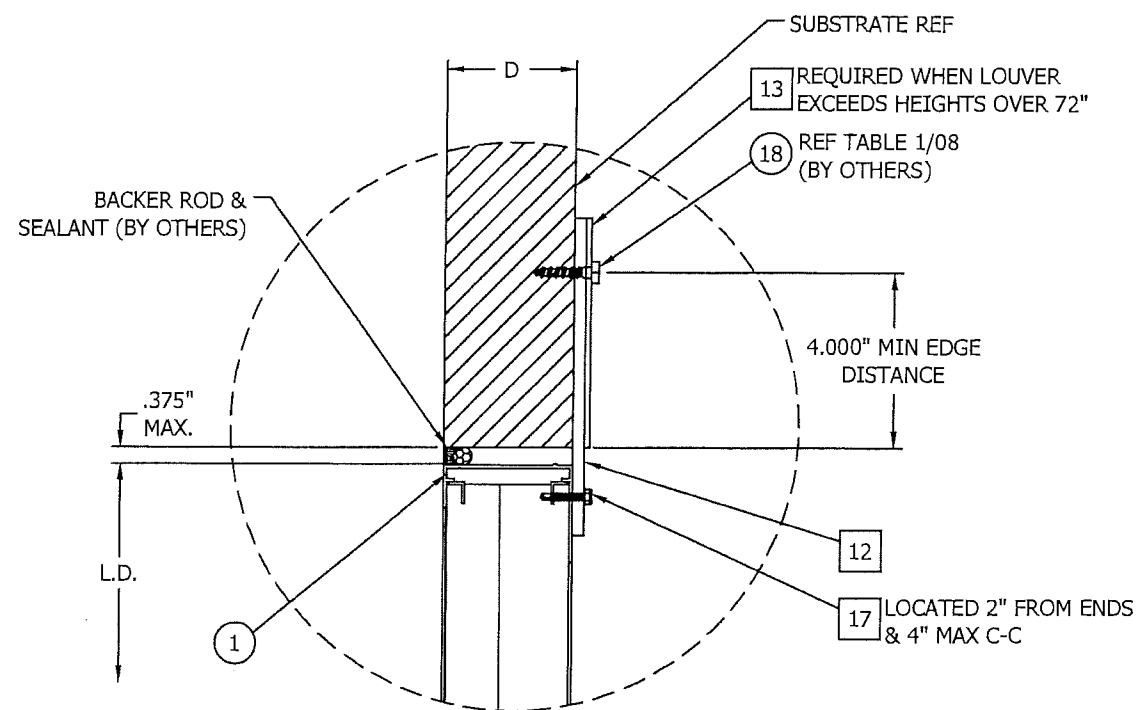
SHEET 3 OF 11



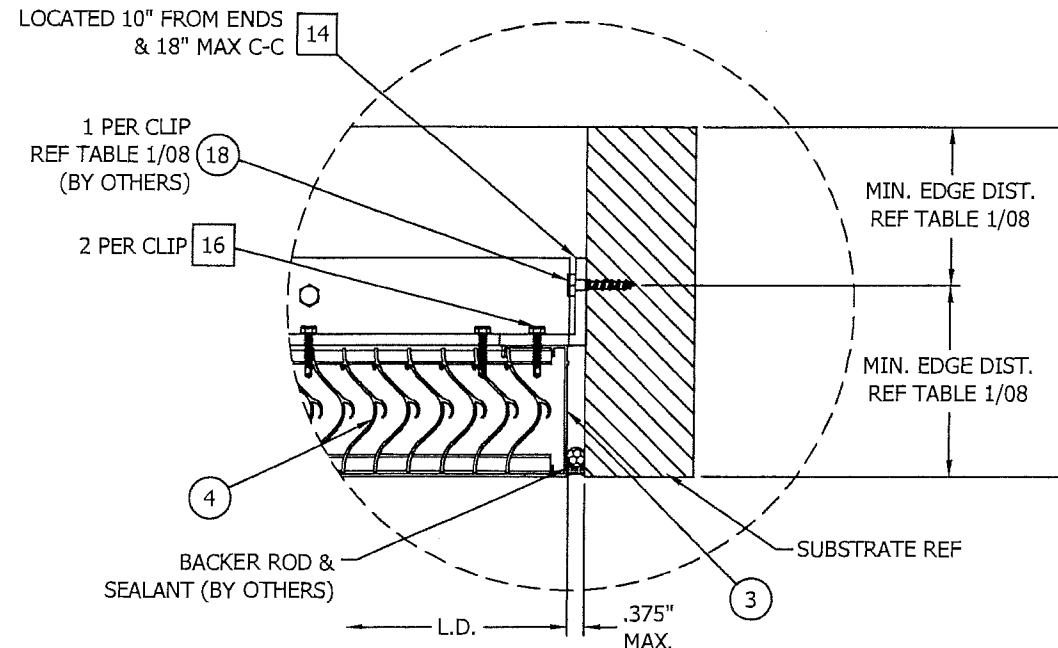
6 ALTERNATE HEAD CONNECTION
02 N.T.S.
NOTE: LOUVER SILL ATTACHMENT SIMILAR



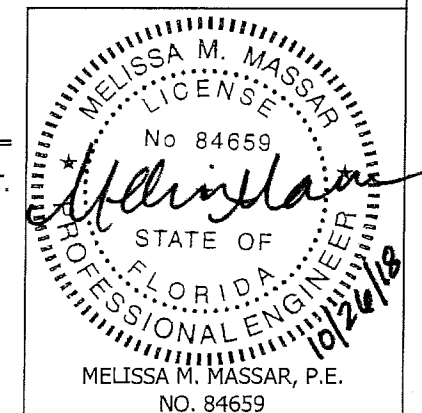
7 ALTERNATE HEAD CONNECTION
02 N.T.S.
NOTE: USED WHEN MIN. EDGE DISTANCE REQ'D FOR CLIP ANGLE INSTALL CANNOT BE MET.
LOUVER SILL ATTACHMENT SIMILAR



8 ALTERNATE HEAD CONNECTION
02 N.T.S.
NOTE: USED WHEN LOUVER SET FLUSH W/ INTERIOR OF WALL.
LOUVER SILL ATTACHMENT SIMILAR



9 INSTALLATION @ JAMB LOCATIONS
02 N.T.S.



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DECIMAL DIMENSIONS:
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2 PLACE .XX ±.020
FRACTION DIMENSIONS: ±1/16
ANGLE DIMENSIONS ±2°
USE VWG-007 & 008
UNLESS SPECIFIED OTHERWISE

DWN. BY: CJD
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APPV'D. BY:
DATE:

RUSKIN
AUTHORITY IN AIR CONTROL

3900 DR. GREAVES RD
GRANDVIEW, MO 64030

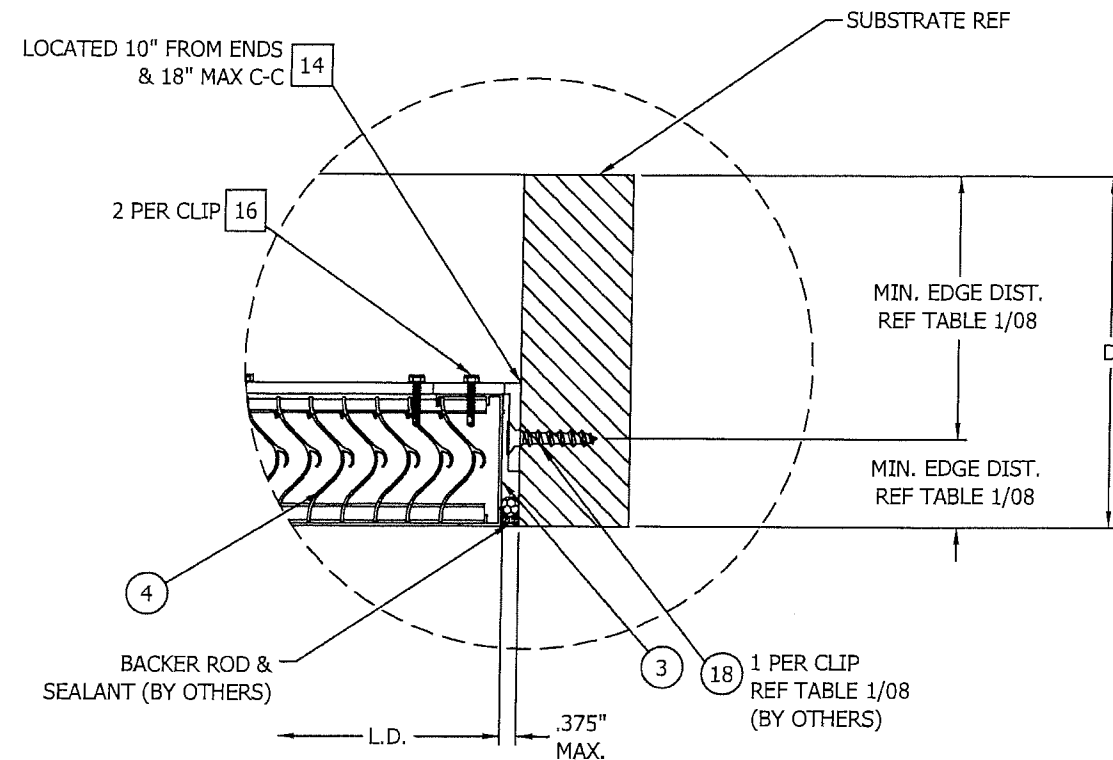
PLOT SCALE
NONE ECN:

ALTERNATE ATTACHMENT DETAILS

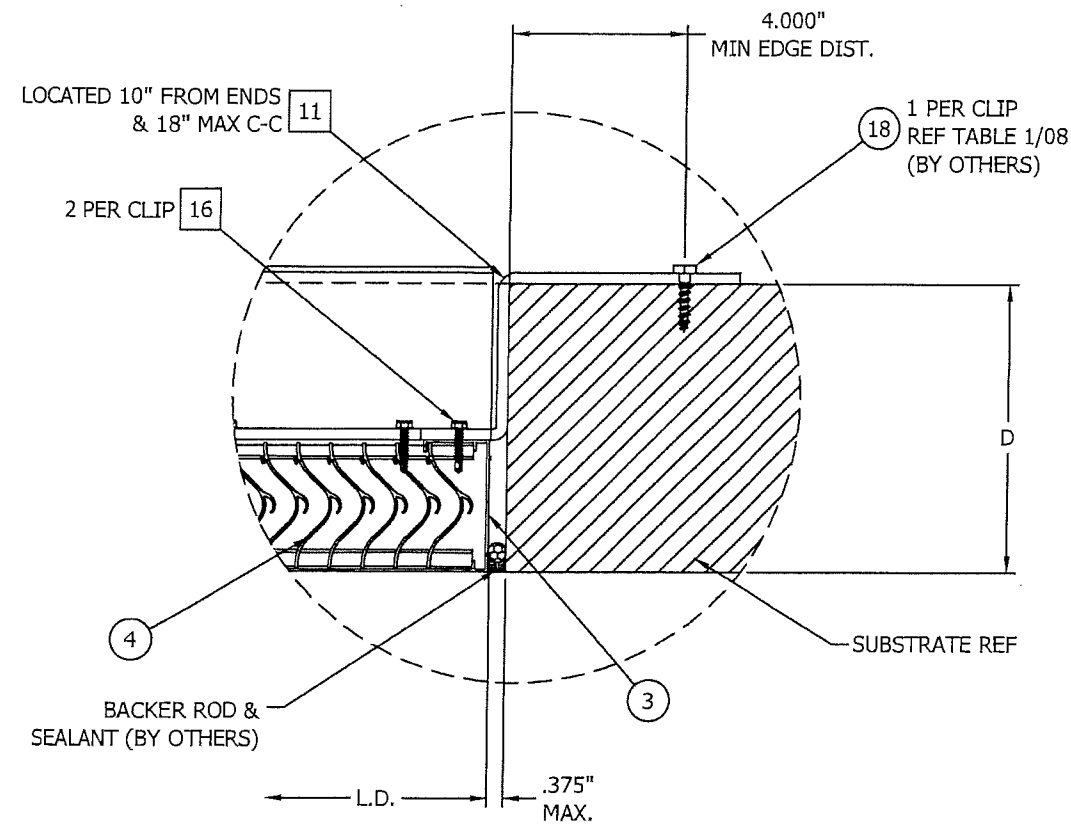
EME3625DFLMD
INSTALLATION

REV. SHEET 4 OF 11
DWG. NO.

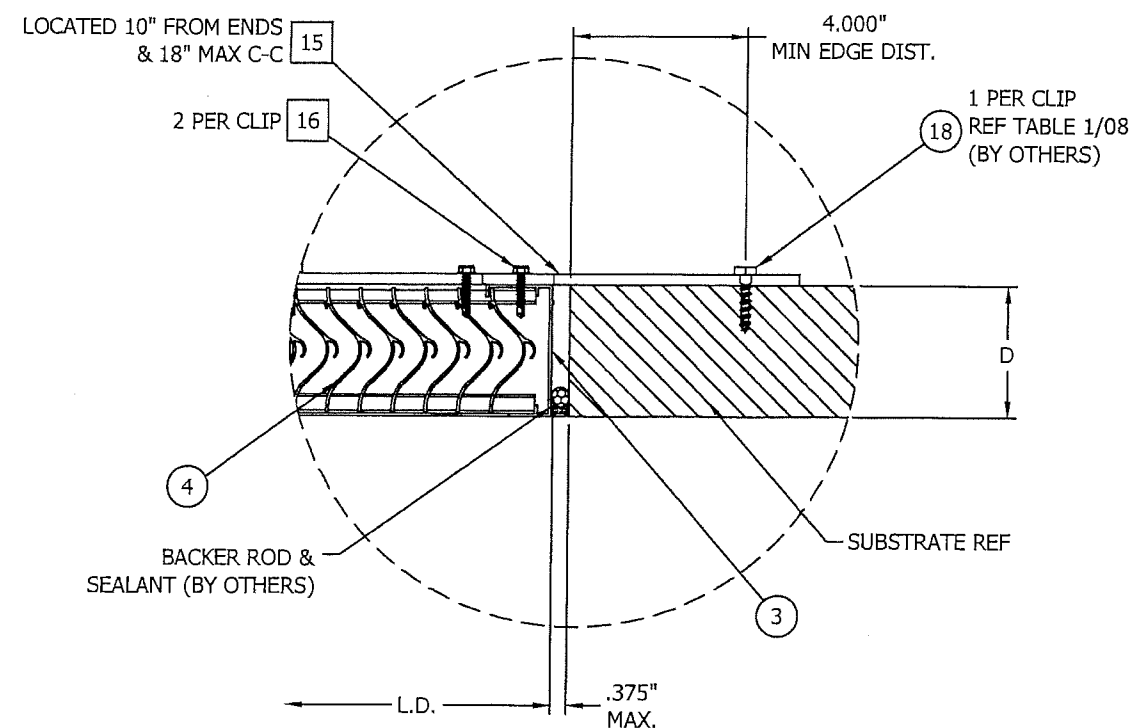
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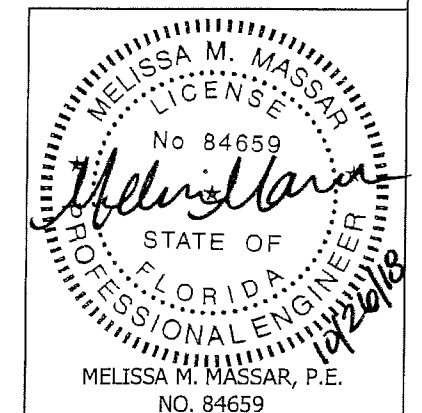
10 ALTERNATE JAMB CONNECTION
02 N.T.S.



11 ALTERNATE JAMB CONNECTION
02 N.T.S.
NOTE: USED WHEN MIN. EDGE DISTANCE REQ'D FOR CLIP ANGLE INSTALL CANNOT BE MET.



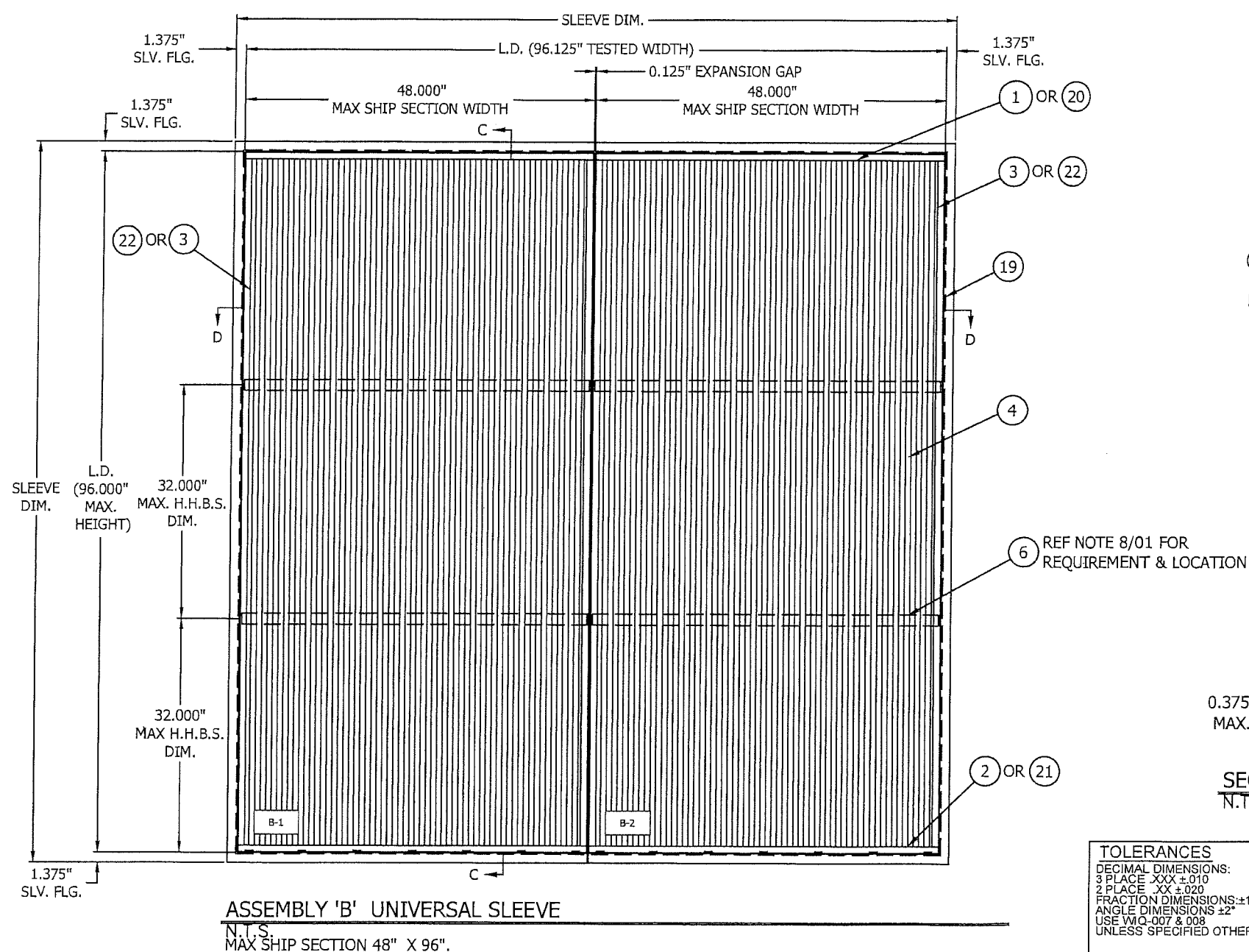
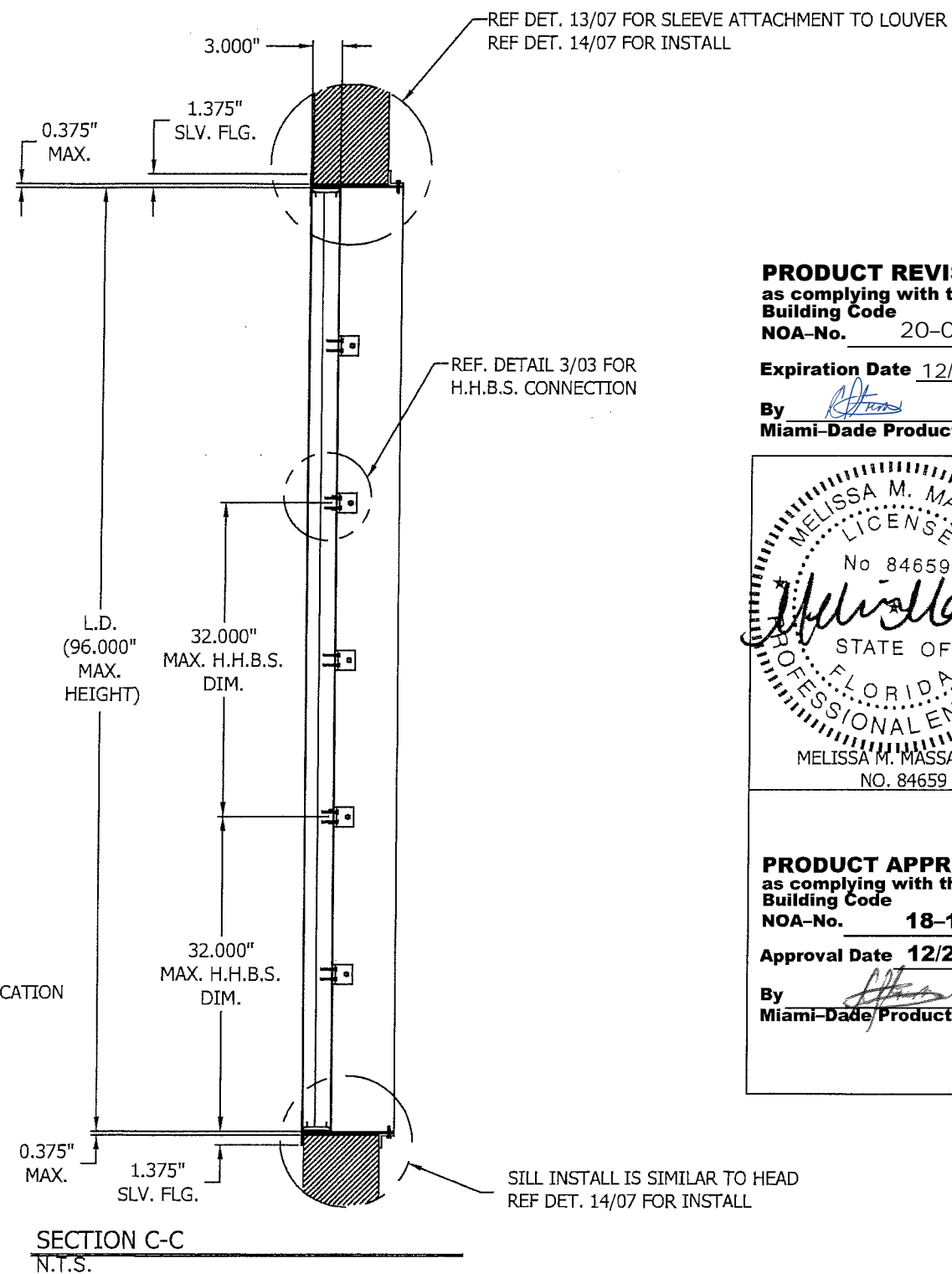
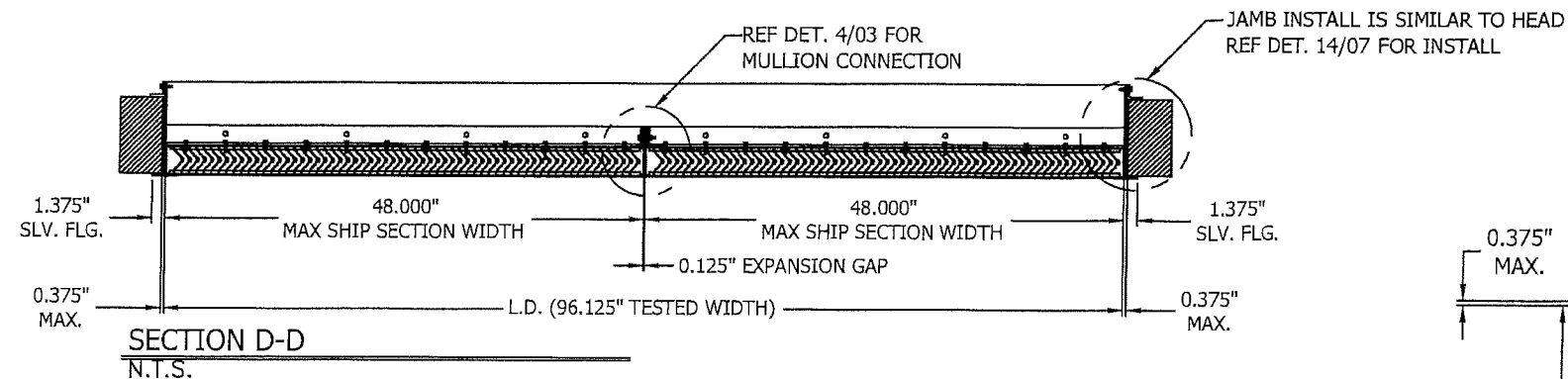
12 ALTERNATE JAMB CONNECTION
02 N.T.S.
NOTE: USED WHEN LOUVER SET FLUSH W/ INTERIOR OF WALL.



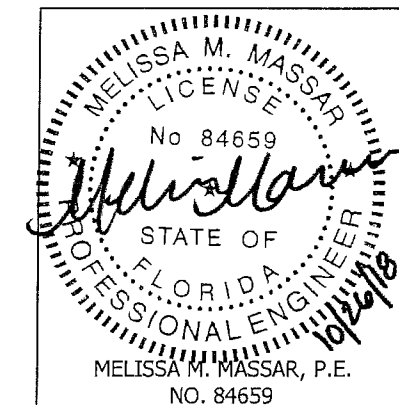
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TOLERANCES DECIMAL DIMENSIONS: 3 PLACE .XXX ±.010 2 PLACE .XX ±.020 FRACTION DIMENSIONS: ±1/16 ANGLE DIMENSIONS ±2° USE WIG-007 & 008 UNLESS SPECIFIED OTHERWISE	DWN. BY: CJD DATE: 6/15/18	CHK. BY: JSR DATE: 8/27/18	APPV'D. BY: MMM DATE: 8/27/18	APPV'D. BY: <i>[Signature]</i> DATE:	RUSKIN <small>3900 DR. GREAVES RD GRANDVIEW, MO 64030</small> AUTHORITY IN AIR CONTROL	PLOT SCALE NONE ECN:
	ALTERNATE ATTACHMENT DETAILS				EME3625DFLMD INSTALLATION	REV. - DWG. NO. 60-022494-00D

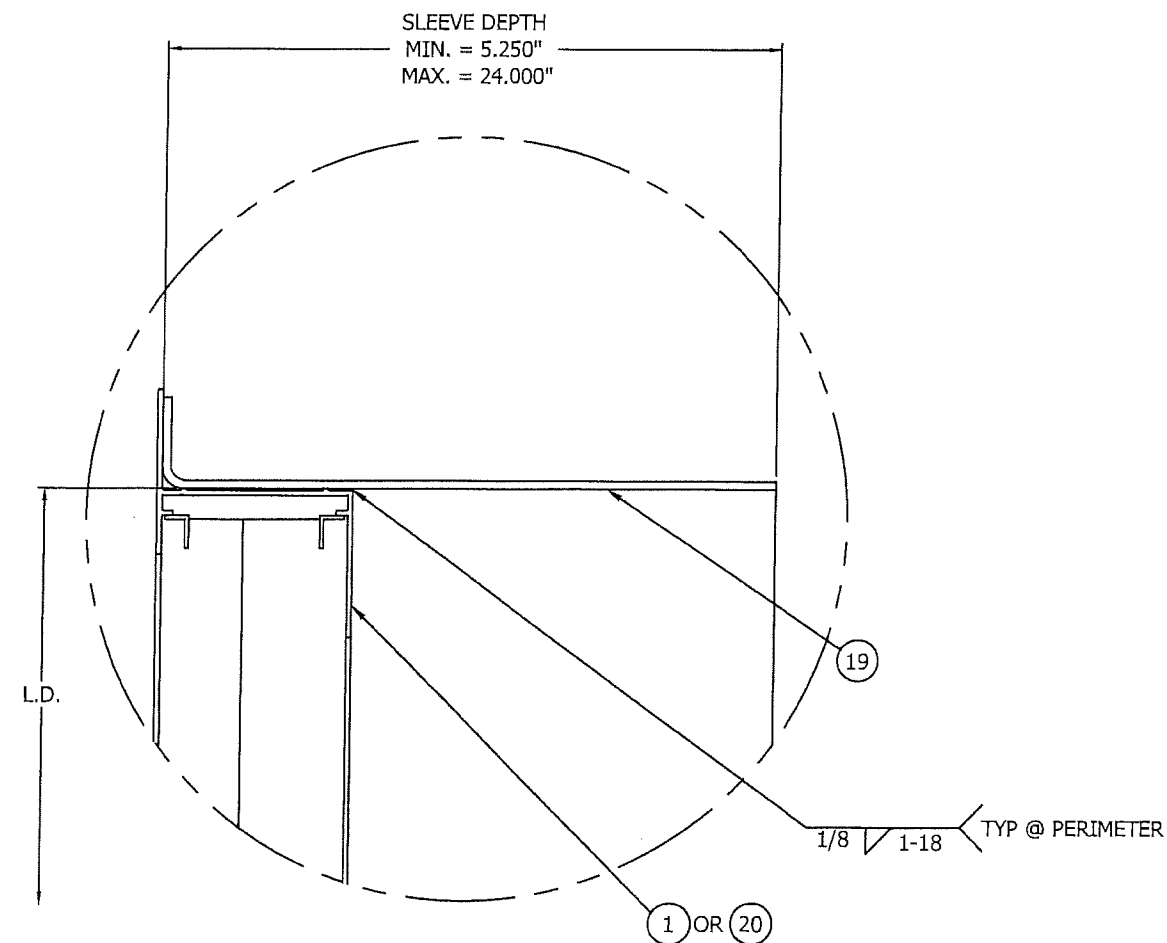


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Building Code
NOA-No. 20-0909.07
Expiration Date 12/20/2023
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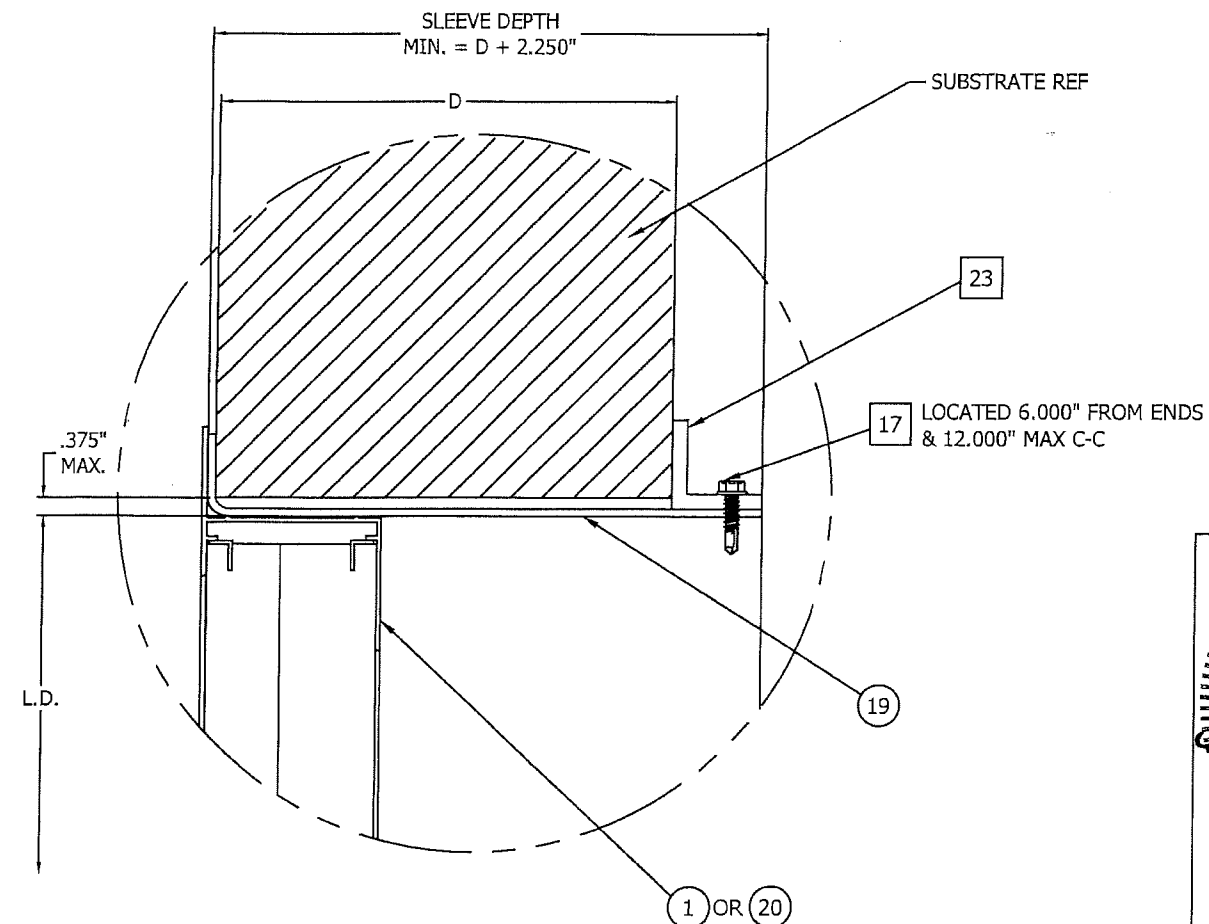


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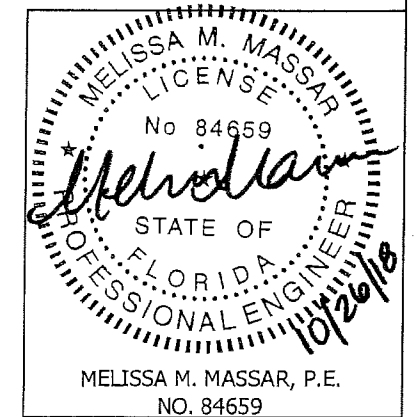
TOLERANCES DECIMAL DIMENSIONS: 3 PLACE .XXX ±.010 2 PLACE .XX ±.020 FRACTION DIMENSIONS: ±1/16 ANGLE DIMENSIONS ±2° USE VMO-007 & 008 UNLESS SPECIFIED OTHERWISE	DWN. BY: CJD DATE: 6/15/18	CHK. BY: JSR DATE: 8/27/18	APPV'D. BY: MMM DATE: 8/27/18	APPV'D. BY: DATE:	RUSKIN 3900 DR. GREAVES RD GRANDVIEW, MO 64030 AUTHORITY IN AIR CONTROL	PLOT SCALE NONE ECN: _____ REV. - SHEET 6 OF 11 DWG. NO. 60-022494-00D
	ASSEMBLY "B" UNIVERSAL SLEEVE		EME3625DFLMD INSTALLATION			



13 UNIVERSAL SLEEVE WELDING DETAIL
06 N.T.S.
TYPICAL AT PERIMETER



14 UNIVERSAL SLEEVE CONNECTION DETAIL
06 N.T.S.
TYPICAL AT PERIMETER



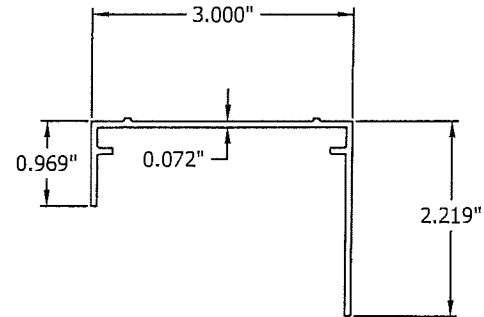
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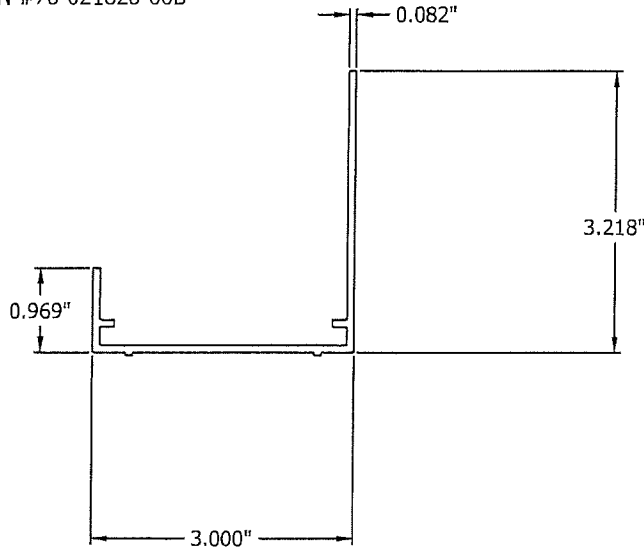
TOLERANCES DECIMAL DIMENSIONS: 3 PLACE .XXX ±.010 2 PLACE .XX ±.020 FRACTION DIMENSIONS: ±1/16 ANGLE DIMENSIONS ±2° USE VMO-007 & 008 UNLESS SPECIFIED OTHERWISE	DWN. BY: CJD DATE: 6/15/18	CHK. BY: JSR DATE: 8/27/18	APPV'D. BY: MIM DATE: 8/27/18	APPV'D. BY: <i>[Signature]</i> DATE:	RUSKIN <small>3900 DR. GREAVES RD GRANDVIEW, MO 64030</small> AUTHORITY IN AIR CONTROL	PLOT SCALE NONE ECN:
	UNIVERSAL SLEEVE ATTACHMENT DETAILS			EME3625DFLMD INSTALLATION	REV. - DWG. NO. 60-022494-00D	SHEET 7 OF 11

TABLE 1 - SUBSTRATE FASTENER TABLE (ITEM 18) (BY OTHERS)					
SUBSTRATE TYPE	MIN. SUBSTRATE REQUIREMENTS	FASTENER TYPE	MAX. C-C SPACING AT HEAD & SILL	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD	3" THICK, 0.42 SPECIFIC GRAVITY	3/8-16 BOLT W/ NUT, MIN. A307 GRADE A	12"	3 THREADS BEYOND NUT	1 1/2"
		3/8" DIA. LAG SCREW, 2 1/2" LONG, MIN. A307 GRADE A	12"	2 1/4"	1 1/2"
STEEL	18 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	1/4-20 BOLT W/ NUT, MIN. A307 GRADE A	12"	3 THREADS BEYOND NUT	1/2"
	12 GA, 45 KSI TENSILE STRENGTH, 33 KSI YIELD STRENGTH	1/4-14 SELF DRILLING SCREW, CARBON STEEL*	8"	3 THREADS BEYOND SUB. THICKNESS	1/2"
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	1/4-20 BOLT W/ NUT, MIN. A307 GRADE A	12"	3 THREADS BEYOND NUT	1/2"
	0.1875" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	1/4-14 SELF DRILLING SCREW, CARBON STEEL*	6"	3 THREADS BEYOND SUB. THICKNESS	1/2"
CONCRETE	2500 PSI COMP. STRENGTH	3/8" DIA. SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR, CARBON STEEL	12"	3 1/4"	2"
		3/8" DIA. DEWALT SCREW-BOLT+ SCREW ANCHOR, CARBON STEEL	12"	3 1/4"	2"
		3/8" DIA. HILTI KWIK HUS-EZ SCREW ANCHOR, CARBON STEEL	12"	3 1/4"	2"
		1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	6"	1 3/8"	1 1/2"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMP. STRENGTH	3/8" DIA. SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR, CARBON STEEL	12"	2 3/4"	4"
		3/8" DIA. DEWALT SCREW-BOLT+ SCREW ANCHOR, CARBON STEEL	12"	3 1/4"	2"
		3/8" DIA. HILTI KWIK HUS-EZ SCREW ANCHOR, CARBON STEEL	12"	3 1/4"	4"
		1/4" DIA. ELCO AGGRE-GATOR, 300 SERIES SS*	6"	2"	2"

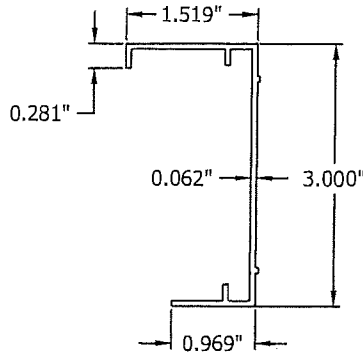
NOTE: *COUNTERSUNK PHILLIPS FLAT HEAD ANCHORS MAY BE USED



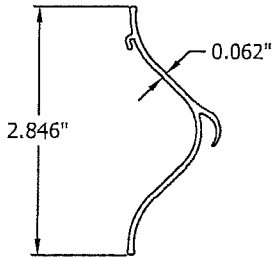
HEAD FRAME ITEM #1
N.T.S.
RUSKIN #70-021820-00B



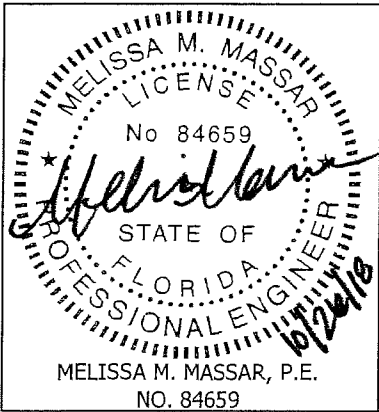
SILL FRAME ITEM #2
N.T.S.
RUSKIN #70-021821-00B



JAMB FRAME ITEM #3
N.T.S.
RUSKIN #70-021794-00B



BLADE ITEM #4
N.T.S.
RUSKIN # RSM7046



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

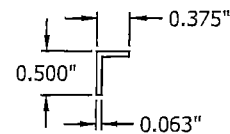
DWN. BY: CJD
DATE: 6/15/18
CHK. BY: JSR
DATE: 8/27/18
APPV'D. BY: MMM
DATE: 8/27/18
APPV'D. BY:

SUBSTRATE FASTENER TABLE, PARTS



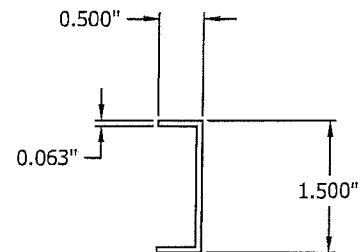
EME3625DFLMD
INSTALLATION

PLOT SCALE
NONE
ECN: _____
REV. _____
DWG. NO. **60-022494-00D**
SHEET 8 OF 11



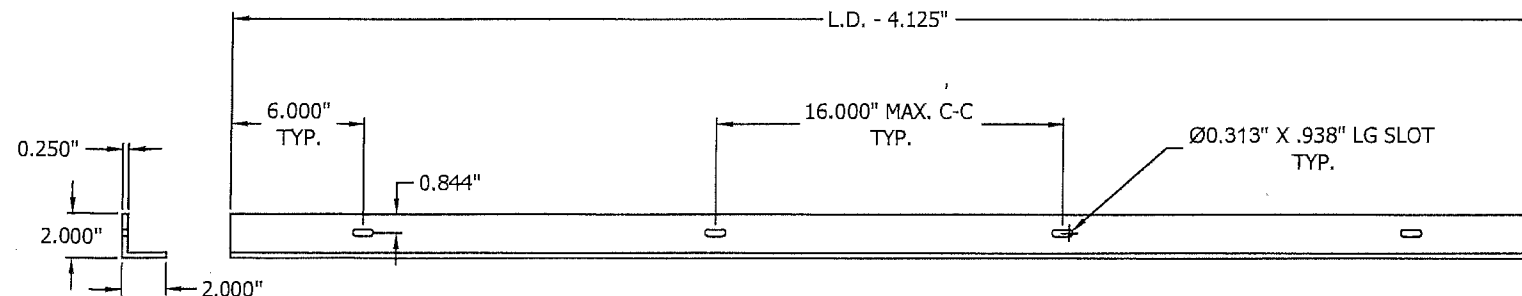
CORE ANGLE ITEM #5

N.T.S.
RUSKIN #85-022448-00B



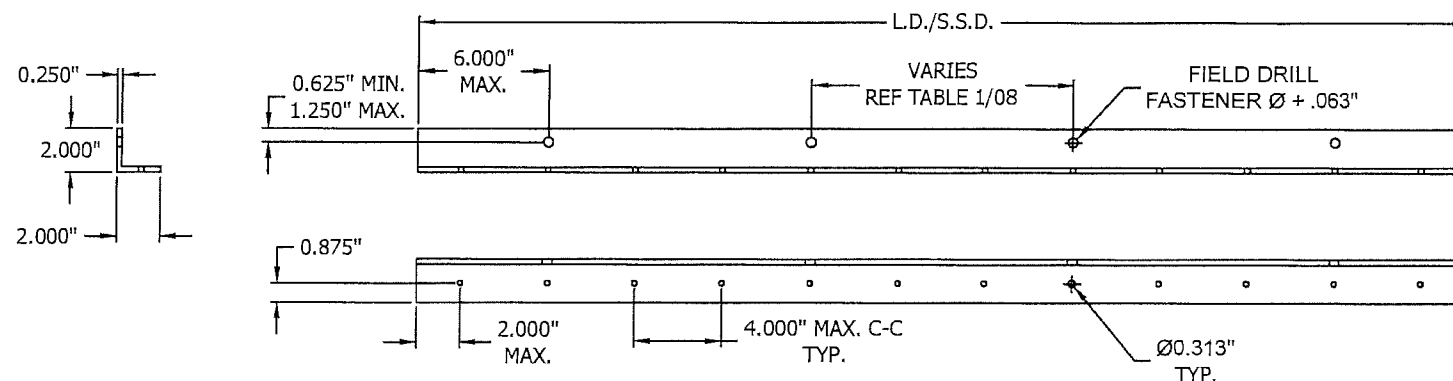
H.H.B.S. ITEM #6

N.T.S.
RUSKIN #85-022449-00B



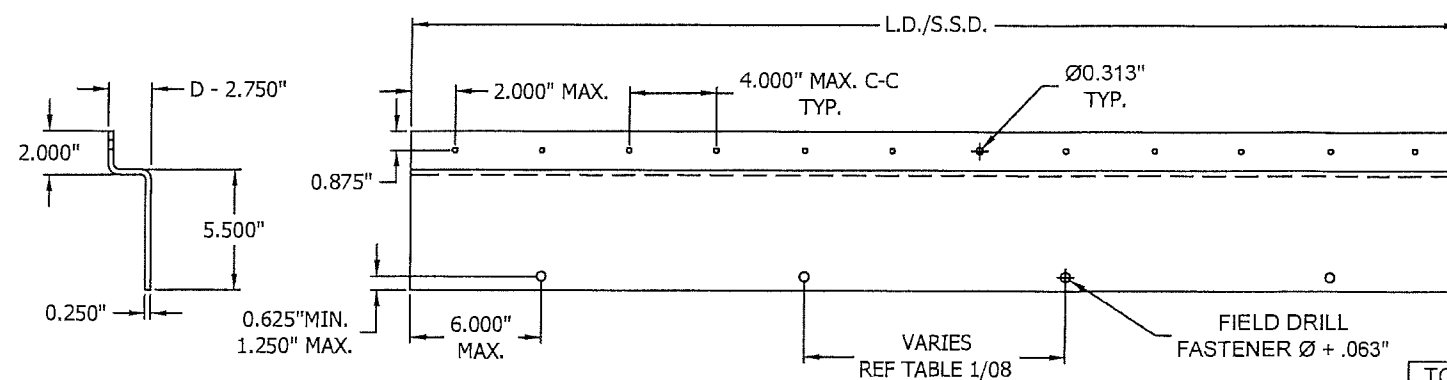
MULLION SUPPORT ANGLES ITEM #7

N.T.S.



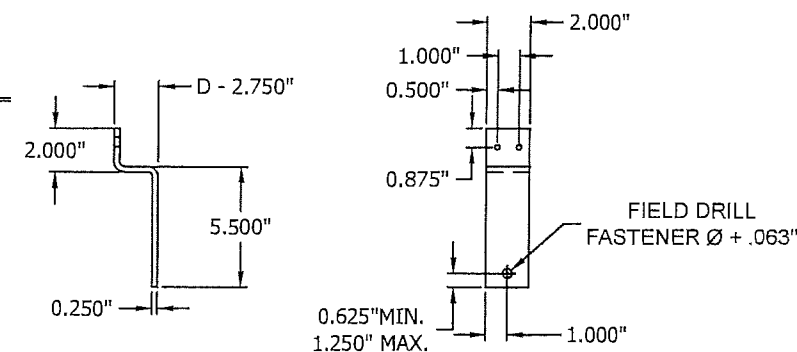
CONT. ATTACHMENT ANGLE ITEM #9

N.T.S.



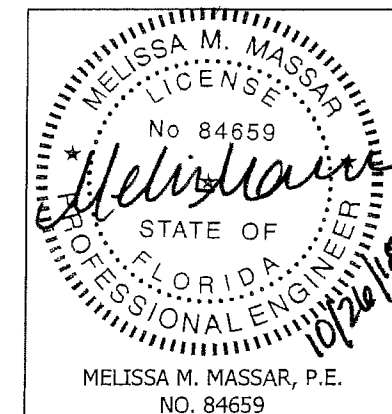
ALTERNATE ATTACHMENT CONT ZEE ITEM #10

N.T.S.



ALTERNATE ATTACHMENT ZEE CLIP ITEM #11

N.T.S.



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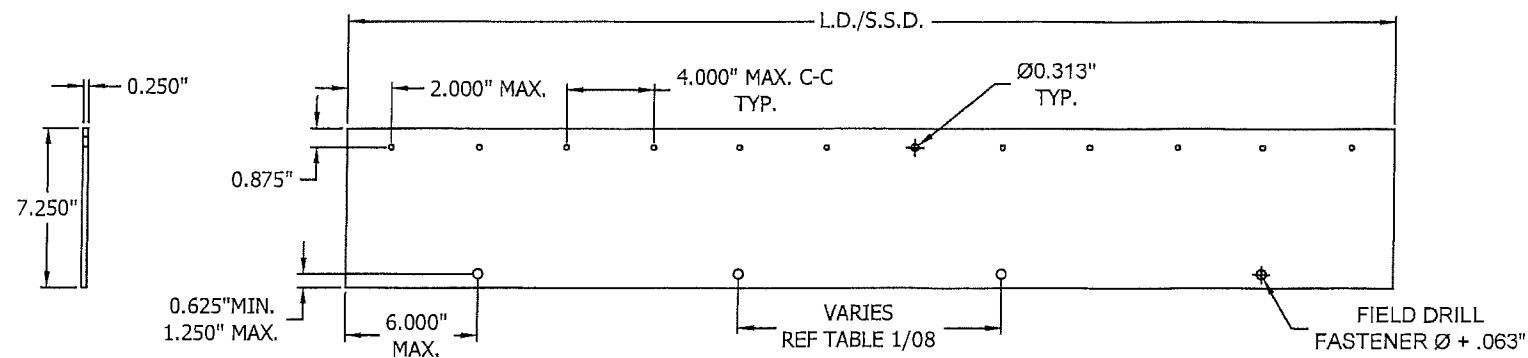
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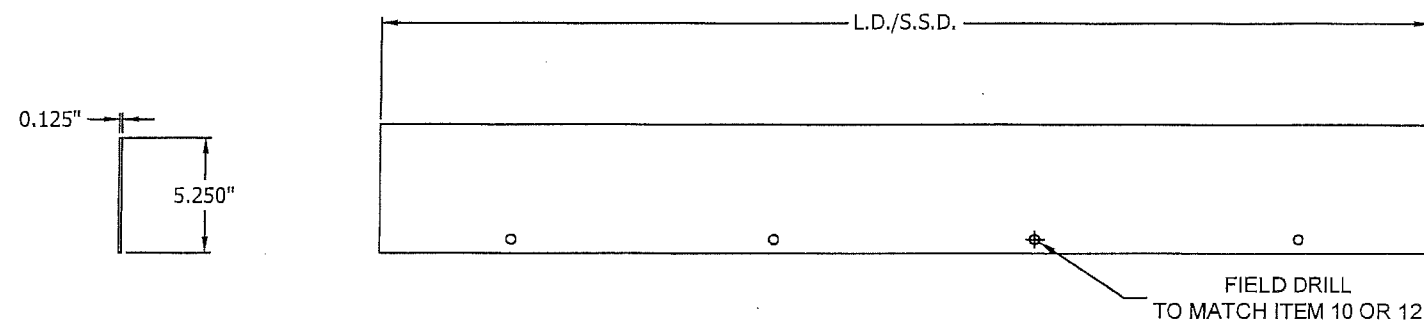
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	PARTS			EME3625DFLMD INSTALLATION		REV. - DWG. NO. 60-022494-00D

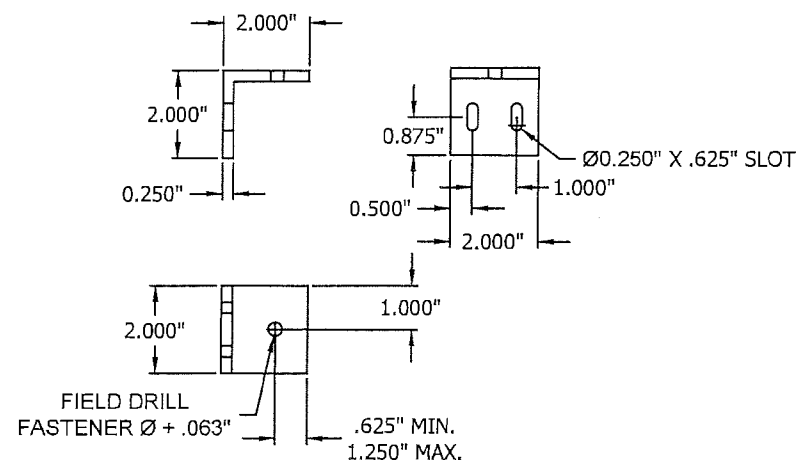
SHEET 9 OF 11



ALTERNATE ATTACHMENT CONT. FLAT PLATE ITEM #12
N.T.S.

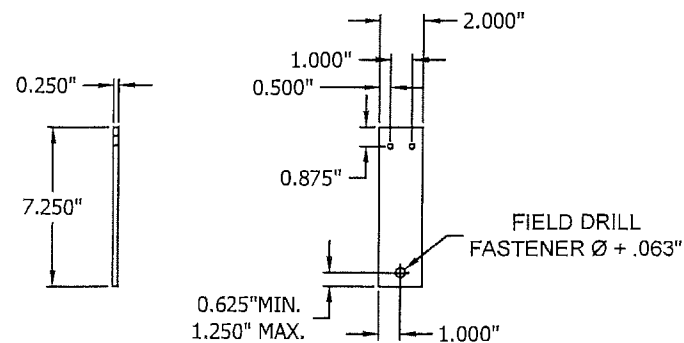


ALTERNATE ATTACHMENT CONT. STIFFENER PLATE ITEM #13
N.T.S.



ATTACHMENT CLIP ANGLE ITEM # 14
N.T.S.

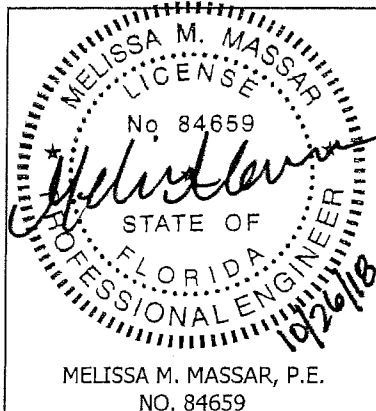
2" ALTERNATE ATTACHMENT FLAT PLATE ITEM # 15
N.T.S.



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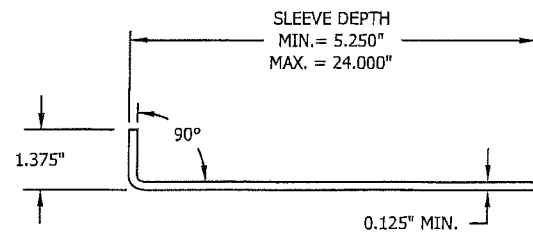


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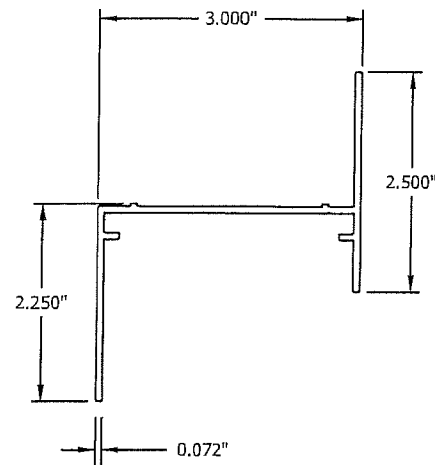
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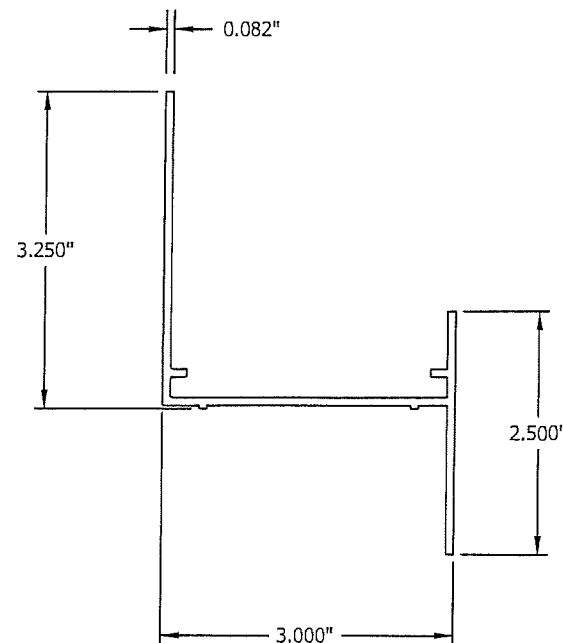
TOLERANCES DECIMAL DIMENSIONS: 3 PLACE .XXX ±.010 2 PLACE .XX ±.020 FRACTION DIMENSIONS: ±1/16 ANGLE DIMENSIONS ±2° USE WIG-007 & 008 UNLESS SPECIFIED OTHERWISE	DWN. BY: CJD DATE: 6/15/18	CHK. BY: JSR DATE: 8/27/18	APPV'D. BY: MMM DATE: 8/27/18	APPV'D. BY:  DATE: 	 3900 DR. GREAVES RD GRANDVIEW, MO 64030	PLOT SCALE NONE ECN: _____	
	PARTS EME3625DFLMD INSTALLATION					REV. - DWG. NO.	SHEET 10 OF 11
						60-022494-00D	



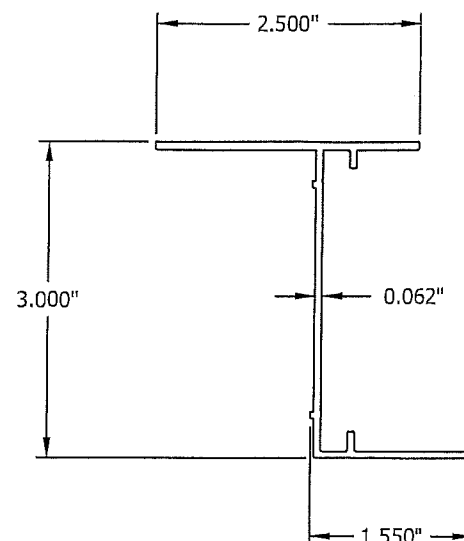
FRONT FLANGE UNIVERSAL SLEEVE ITEM #19
N.T.S.



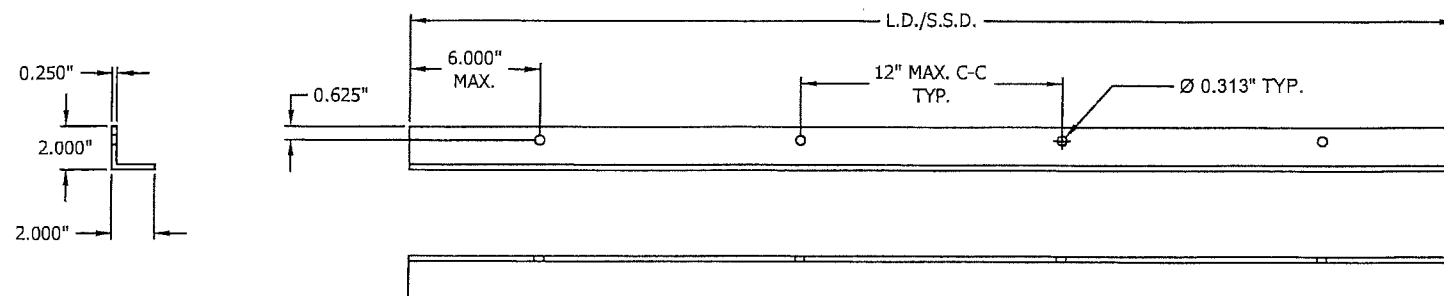
HEAD FRAME W/ INTEGRAL FLANGE ITEM #20
N.T.S.
RUSKIN #70-022826-00B



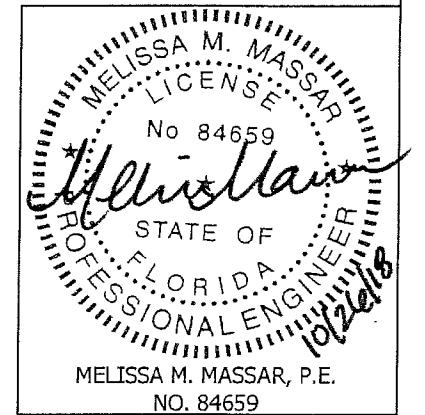
SILL FRAME W/ INTEGRAL FLANGE ITEM #21
N.T.S.
RUSKIN #70-022827-00B



JAMB FRAME W/ INTEGRAL FLANGE ITEM #22
N.T.S.
RUSKIN #70-022825-00B




CONT. RETAINING ANGLE ITEM #23
N.T.S.



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						NONE	ECN: _____	
	PARTS					EME3625DFLMD INSTALLATION	REV. - DWG. NO.	SHEET 11 OF 11 60-022494-00D