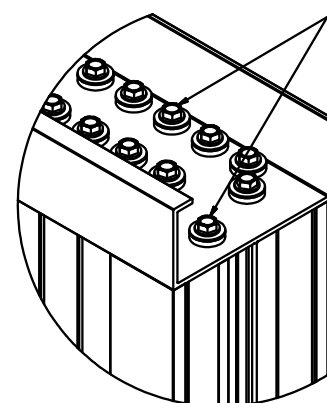


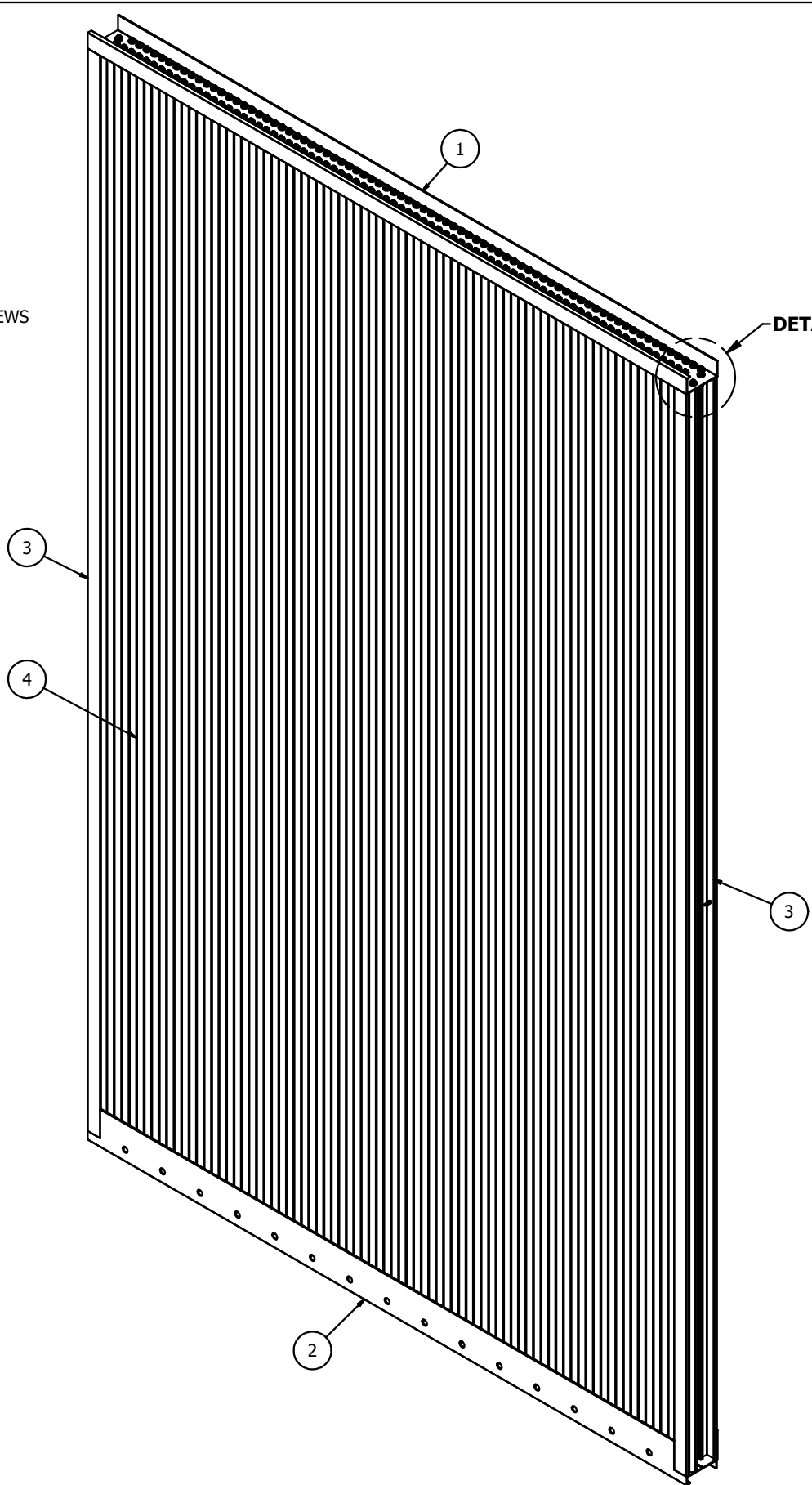
ABBREVIATIONS:

- B.O. - BLANK OFF
- CF - CHANNEL FRAME
- CONT. - CONTINUOUS
- C-C - CENTER TO CENTER
- DIM - DIMENSION
- FLG - FLANGE
- FF - FLANGED FRAME
- HDG - HOT DIP GALVANIZED
- H.V.B.S. - HIDDEN VERTICAL 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
- N.I.C. - NOT IN CONTRACT
- R.O. - ROUGH OPENING
- REF - REFERENCE
- SHT - SHEET
- S.S. - SHIP SECTION
- S.S.D. - SHIP SECTION DIMENSION
- S.D.S. - SELF DRILLING SCREW
- SIM - SIMILAR
- STL - STEEL
- TYP. - TYPICAL
- U.N.O. - UNLESS NOTED OTHERWISE



DETAIL 1
LOUVER CONSTRUCTION

FRAMES & BLADES ARE MECHANICALLY FASTENED WITH #8-18 TAPPING SCREWS W/ SEAL WASHERS.



NOTES:

1. THE **EME3625MD** COMPLIES WITH THE REQUIREMENTS OF THE 2018 IBC. THE **EME3625MD** HAS BEEN TESTED IN ACCORDANCE WITH & QUALIFIED TO FLORIDA PROTOCOLS **TAS-201, 202, & 203** FOR LARGE MISSILE IMPACT, UNIFORM PRESSURE, CYCLIC WIND PRESSURE; **AMCA 540** FOR **LEVEL D (BASIC PROTECTION)** MISSILE IMPACT; & **AMCA 550** FOR HIGH VELOCITY WIND DRIVEN RAIN.
2. QUALIFICATIONS 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/PROOF EQUIPMENT, COMPONENTS, OR SUPPLIES.
3. THIS LOUVER SYSTEM IS APPROVED FOR APPLICATIONS WITH **DESIGN PRESSURES OF +/- 120 PSF** OR LESS. THIS LOUVER SYSTEM IS NON-BEARING AND IS NOT DESIGNED TO WITHSTAND BUILDING DEAD LOADS.
4. SECTIONS OR ASSEMBLIES MAY BE STACKED VERTICALLY PROVIDING A SUITABLE STRUCTURAL MEMBER, DESIGNED & INSTALLED BY OTHERS, IS BETWEEN EACH STACKED LOUVER TO CARRY THE FULL LOAD OF THE UPPER LOUVER, SO THAT NO LOUVER TAKES THE LOAD OF THE OTHER.
5. THIS LOUVER ATTACHES ONLY AT THE HEAD & SILL TO THE SUBSTRATE. NO ATTACHMENT AT JAMBS. **SEE SHEETS -07 & -08** FOR INSTALLATION PARTS & DETAILS. REQUIREMENTS GIVEN IN "**SUBSTRATE FASTENER TABLE**" ARE AS NEEDED FOR ANCHORAGE ONLY AND (N.I.C.).
6. MAXIMUM SINGLE SECTION SIZE FOR RECTANGLES ARE **60" WIDE X 96" HIGH**. UNLIMITED WIDTH CAN BE ACCOMPLISHED BY PLACING SINGLE SECTIONS SIDE-BY-SIDE.
7. ALL WELDED ATTACHMENTS REQUIRE A MINIMUM FILLER OF 4043 ALUMINUM ALLOY WITH A MINIMUM TENSILE STRENGTH OF 24KSI.
8. EXTRUDED ALUMINUM H.H.B.S. CHANNEL IS FACTORY CUT TO FIT BETWEEN EACH BLADE. THE H.H.B.S.CHANNEL IS SCREWED TO EVERY 3RD BLADE AND AT BOTH JAMB FRAMES. THE H.H.B.S. CHANNEL IS REQUIRED FOR ANY LOUVER ASSEMBLY EXCEEDING **48" HIGH** & EQUALLY SPACED BETWEEN HEAD & SILL FRAMES.
9. **SQUARE BALLOONS** INDICATE **SHIP LOOSE PARTS**

EME3625MD RECTANGLE LOUVER

N.T.S.
(CF) 60"W X 96"H SHOWN

PARTS LIST / CHANNEL FRAME

ITEM	DESCRIPTION	MATERIAL
1	HEAD FRAME	EXT ALUM 6063-T6
2	SILL FRAME	EXT ALUM 6063-T6
3	JAMB FRAME	EXT ALUM 6063-T6
4	LOUVER BLADE	EXT ALUM 6063-T6
5	H.H.B.S.	EXT ALUM 6063-T6

PARTS LIST / FLANGED FRAME

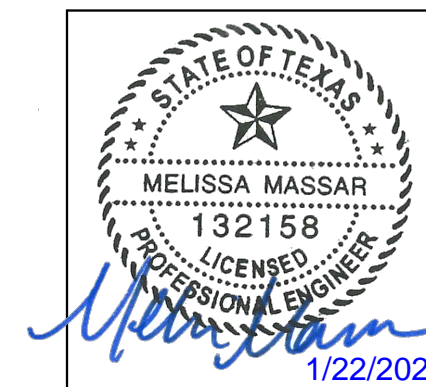
ITEM	DESCRIPTION	MATERIAL
6	FLANGED HEAD FRAME	EXT ALUM 6063-T6
7	FLANGED SILL FRAME	EXT ALUM 6063-T6
8	FLANGED JAMB FRAME	EXT ALUM 6063-T6

INSTALLATION PARTS

ITEM	DESCRIPTION	MATERIAL
9	CONT. RETAINING ANGLE 2" X 2" X 1/4"	EXT ALUM 6063-T6
10	SUBSTRATE FASTENER	-
11	SCR 1/4"-20 X 1" HWH TEK3	300S
12	UNIVERSAL SLEEVE - MIN 1/8" THK PLT	FORMED ALUM 5005-H34
13	SPL PLT LVR ALUM 2 X 4 X .125	ALUM 3003-H14
14	CONT. RETAINING ZEE - 1/4" THK PLT	FORMED ALUM 5005-H34
15	CONT. RETAINING ANGLE - 1/4" X 2"	FORMED ALUM 3003-H14
16	CONT. RETAINING ANGLE - 1/4" X 3" X 5"	FORMED ALUM 3003-H14
17	CONT. STIFFENER PLT - 1/8" X 5"	ALUM 5005-H34
18	CONT. STIFFENER PLT - 1/8" X 4"	ALUM 5005-H34

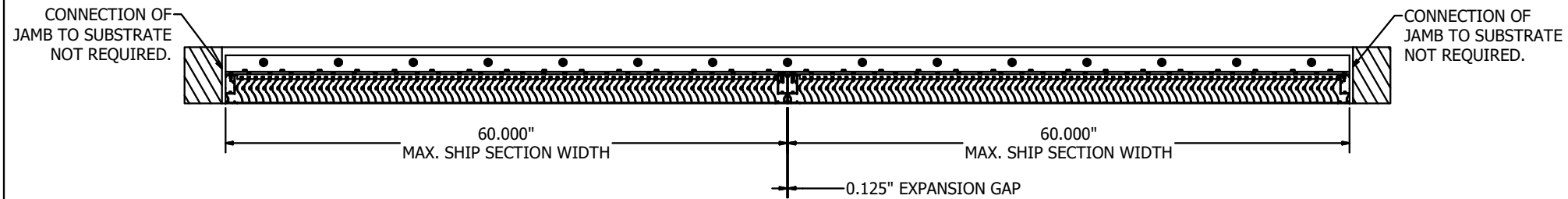
DRAWING SHEET INDEX:

- SHEET 01** - STANDARD LOUVER SPECIFICATIONS
- SHEET 02** - MULTI-SECTION (CF) ASSEMBLY FRONT VIEW
- SHEET 03** - MULTI-SECTION (CF) ASSEMBLY BACK VIEW
- SHEET 04** - MULTI-SECTION (FF) ASSEMBLY FRONT VIEW
- SHEET 05** - MULTI-SECTION (FF) ASSEMBLY BACK VIEW
- SHEET 06** - UNIVERSAL SLEEVE ASSEMBLY & INSTALLATION
- SHEET 07** - LOUVER INSTALL / RETAINING SINGLE ANGLE
- SHEET 08** - LOUVER INSTALL / RETAINING ZEE & DOUBLE ANGLE
- SHEET 09** - LOUVER FRAMING & INSTALL PART PROFILES

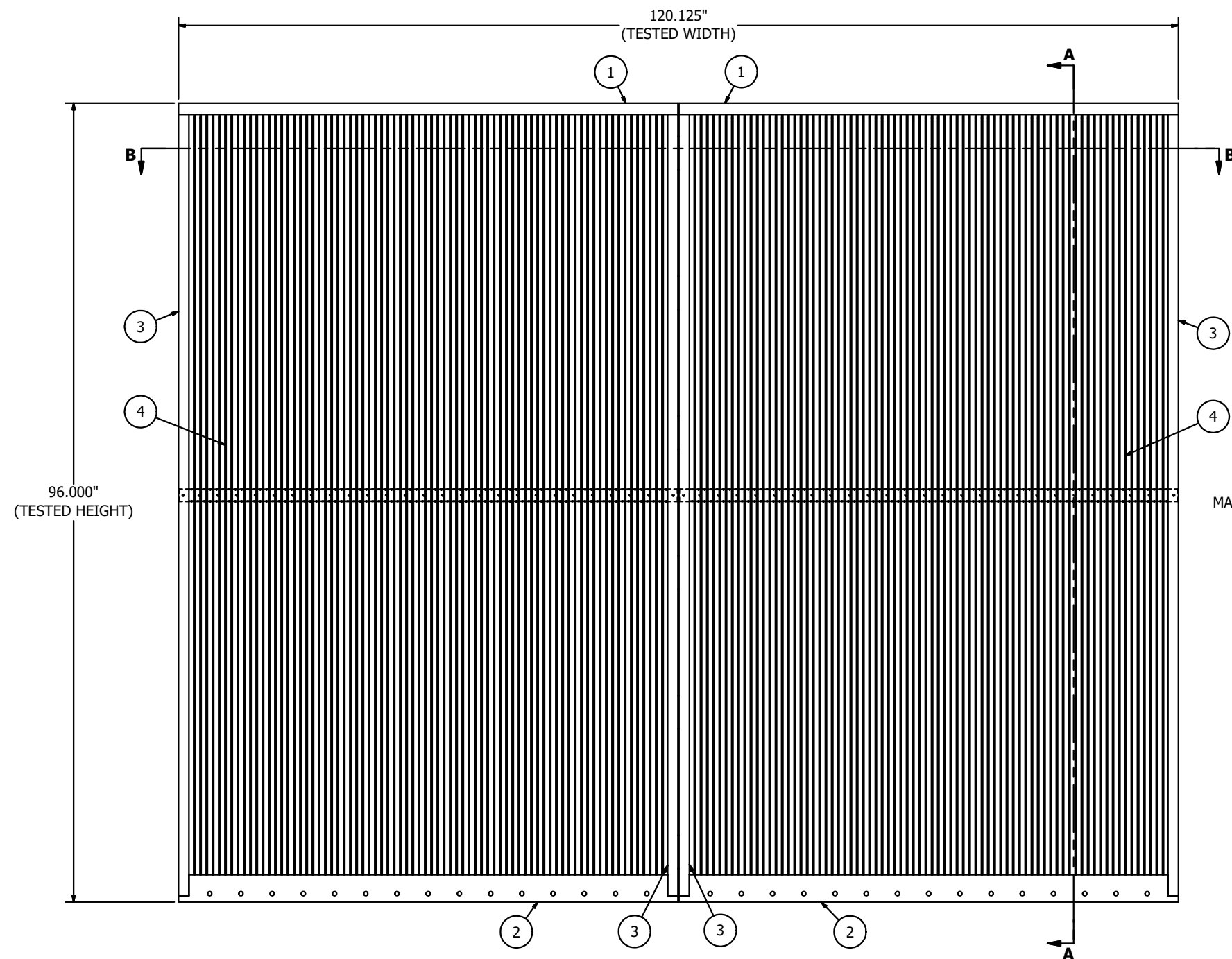


MELISSA MASSAR, P.E.
NO. 132158

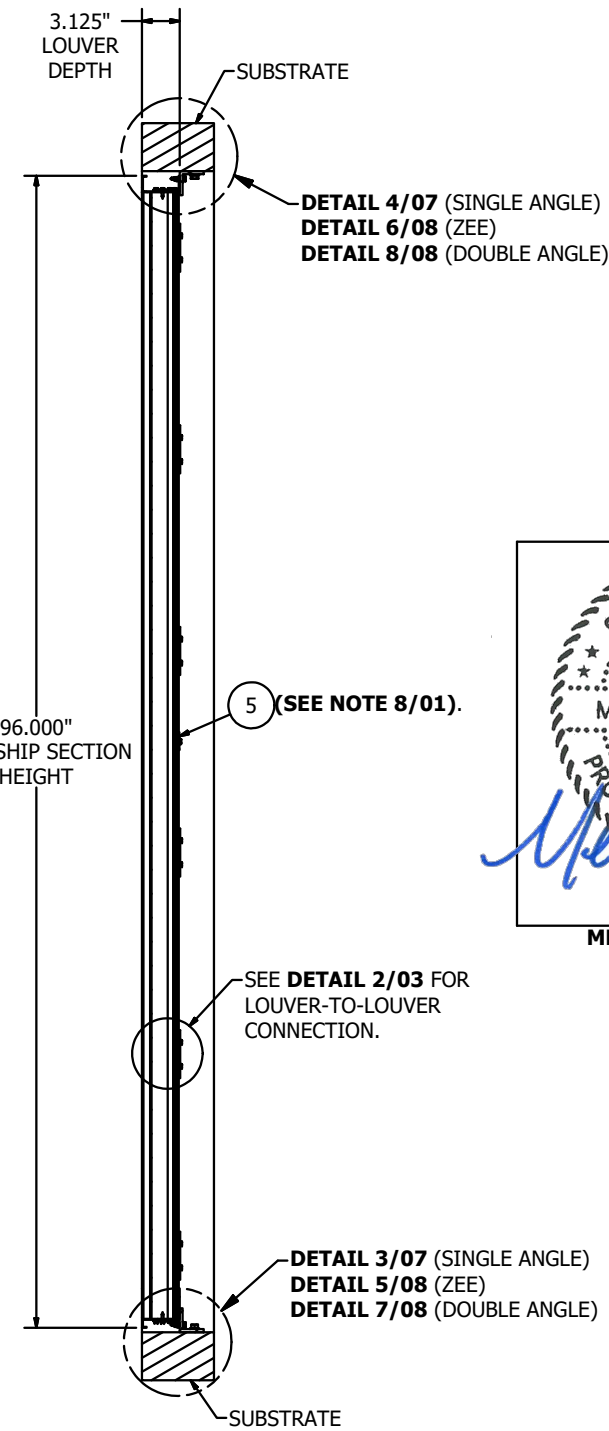
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CHECKED	E-R	10/27/2020		
APPROVED	TCB	10/29/2020		
APPROVED	MMM	10/29/2020		
Tolerances	Unless Stated Otherwise Use W/Q-007, W/Q-008		MATERIAL	EXTRUDED ALUMINUM
Fractions	±1/16		TITLE	STANDARD LOUVER SPECIFICATIONS
Two Decimals	+0.020		SIZE	B
Three Decimals	+0.010		DWG NO	60-022581-00B
Angle Dimensions	±2'		SCALE	NONE
	ECN		INVENTOR	SHEET 1 of 9



SECTION B-B



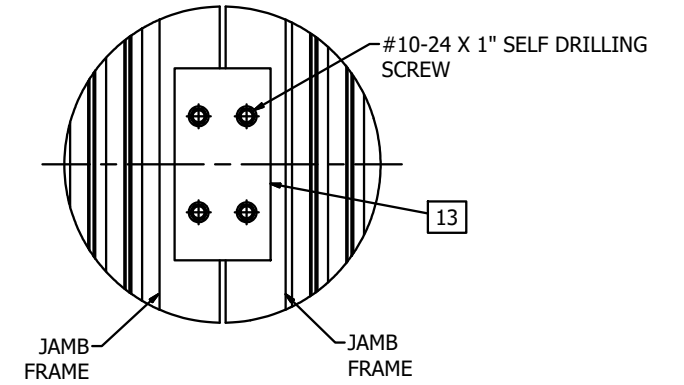
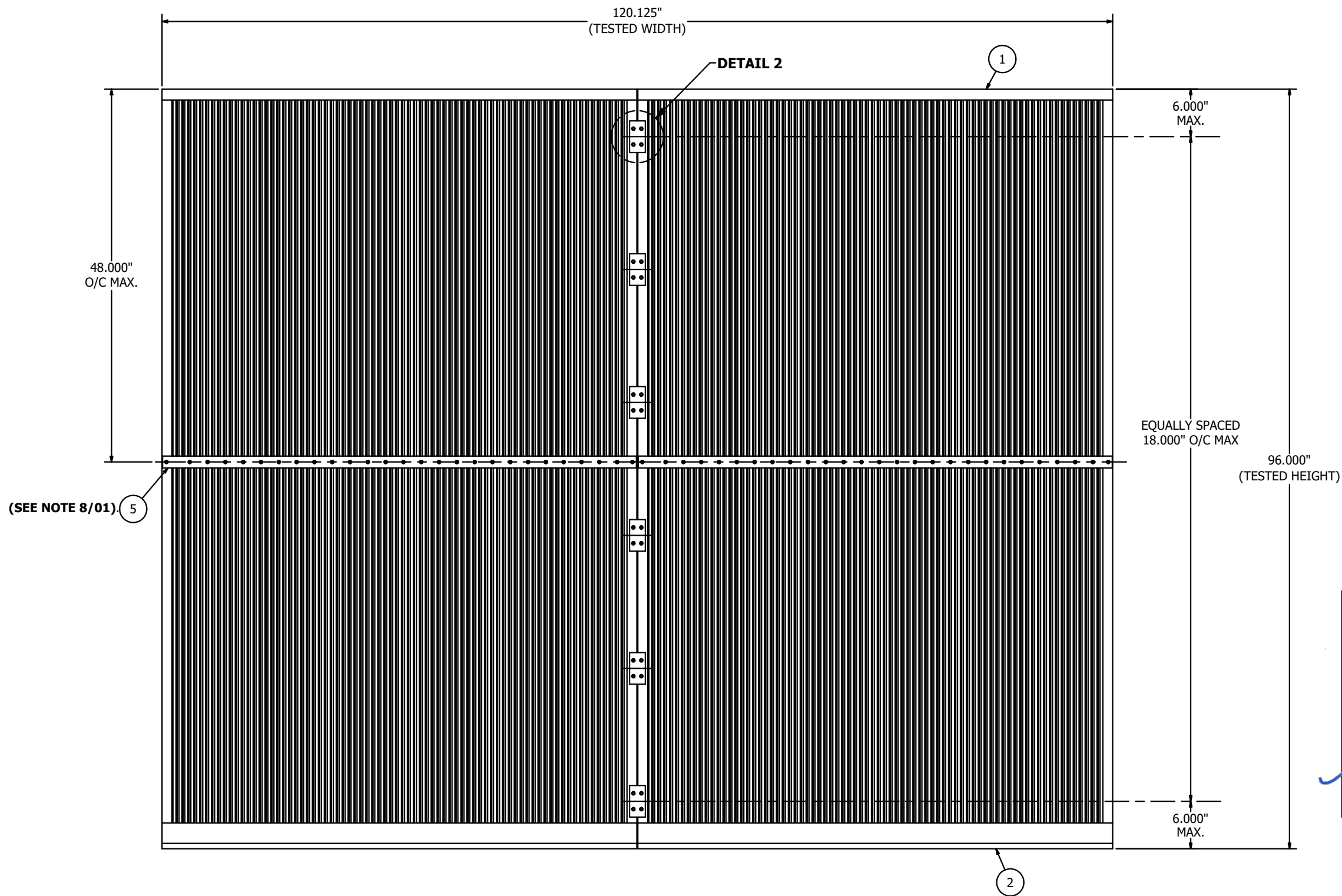
MULTI-SECTION ASSEMBLY - CHANNEL FRAME LOUVER
 N.T.S.
 (SUBSTRATE & INSTALL PARTS NOT SHOWN FOR CLARITY)



SECTION A-A



AUTHOR	DKF	9/24/2020		3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	E-R	10/27/2020		
APPROVED	TCB	10/29/2020		
APPROVED	MMM	10/29/2020		
MATERIAL	EXTRUDED ALUMINUM	TITLE	MULTI-SECTION (CF) ASSEMBLY FRONT VIEW	
SIZE	B	DWG NO	60-022581-00B	REV
SCALE	NONE	INVENTOR		SHEET 2 OF 9



DETAIL 2
LOUVER-TO-LOUVER SPLICE




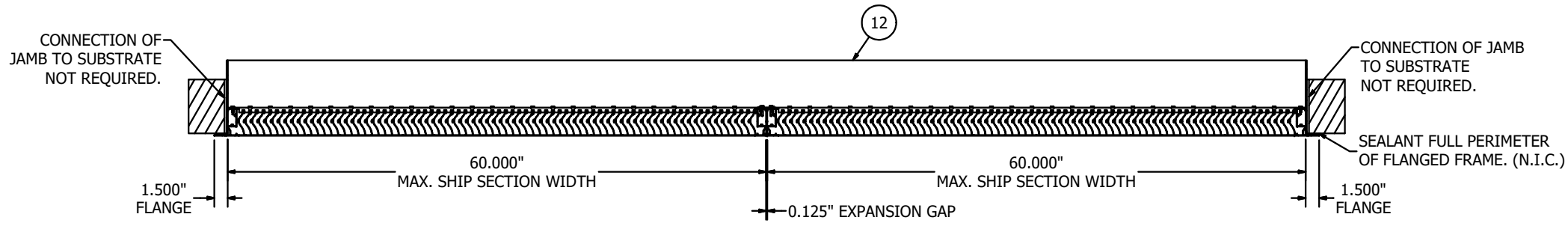
MELISSA MASSAR, P.E.
NO. 132158

MULTI-SECTION ASSEMBLY - CHANNEL FRAME LOUVER

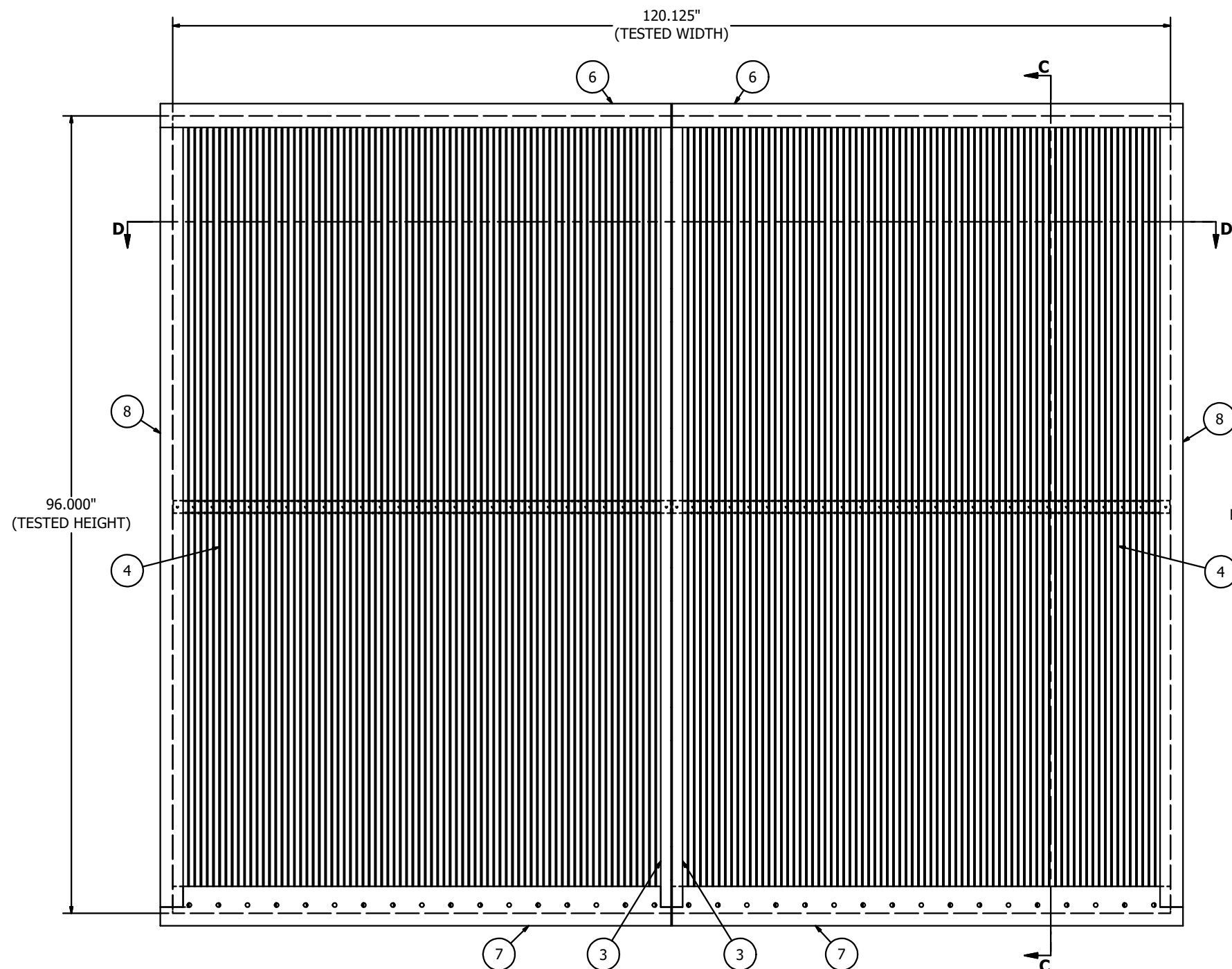
N.T.S.
(SUBSTRATE & INSTALL PARTS NOT SHOWN FOR CLARITY)

BACK VIEW

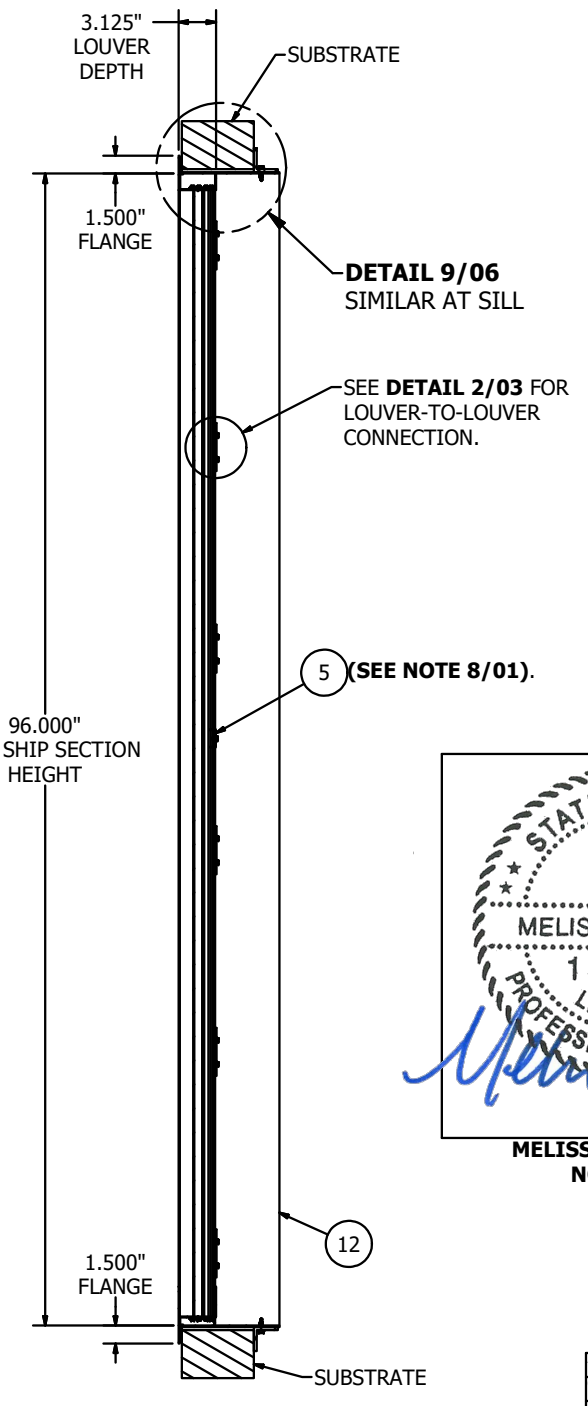
AUTHOR	DKF	9/24/2020	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	E-R	10/27/2020	
APPROVED	TCB	10/29/2020	
APPROVED	MMM	10/29/2020	
MATERIAL	EXTRUDED ALUMINUM		PRODUCT: EME3625MD / WIND-DRIVEN RAIN RESISTANT LOUVER TITLE: MULTI-SECTION (CF) ASSEMBLY BACK VIEW
SIZE	B	DWG NO	60-022581-00B
SCALE	NONE	INVENTOR	SHEET 3 OF 9



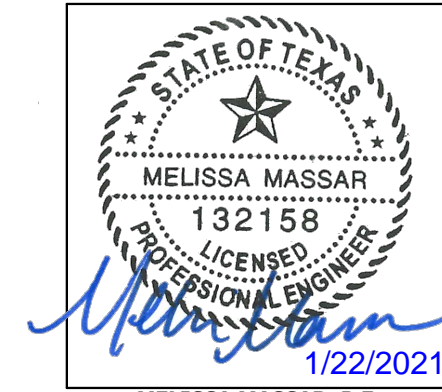
SECTION D-D



MULTI-SECTION ASSEMBLY - FLANGED FRAME LOUVER
 N.T.S.
 (SUBSTRATE & INSTALL PARTS NOT SHOWN FOR CLARITY)
FRONT VIEW

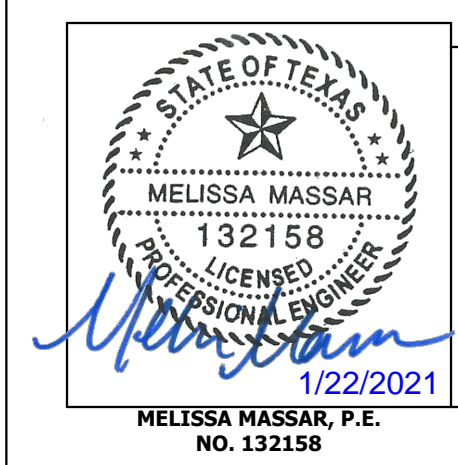
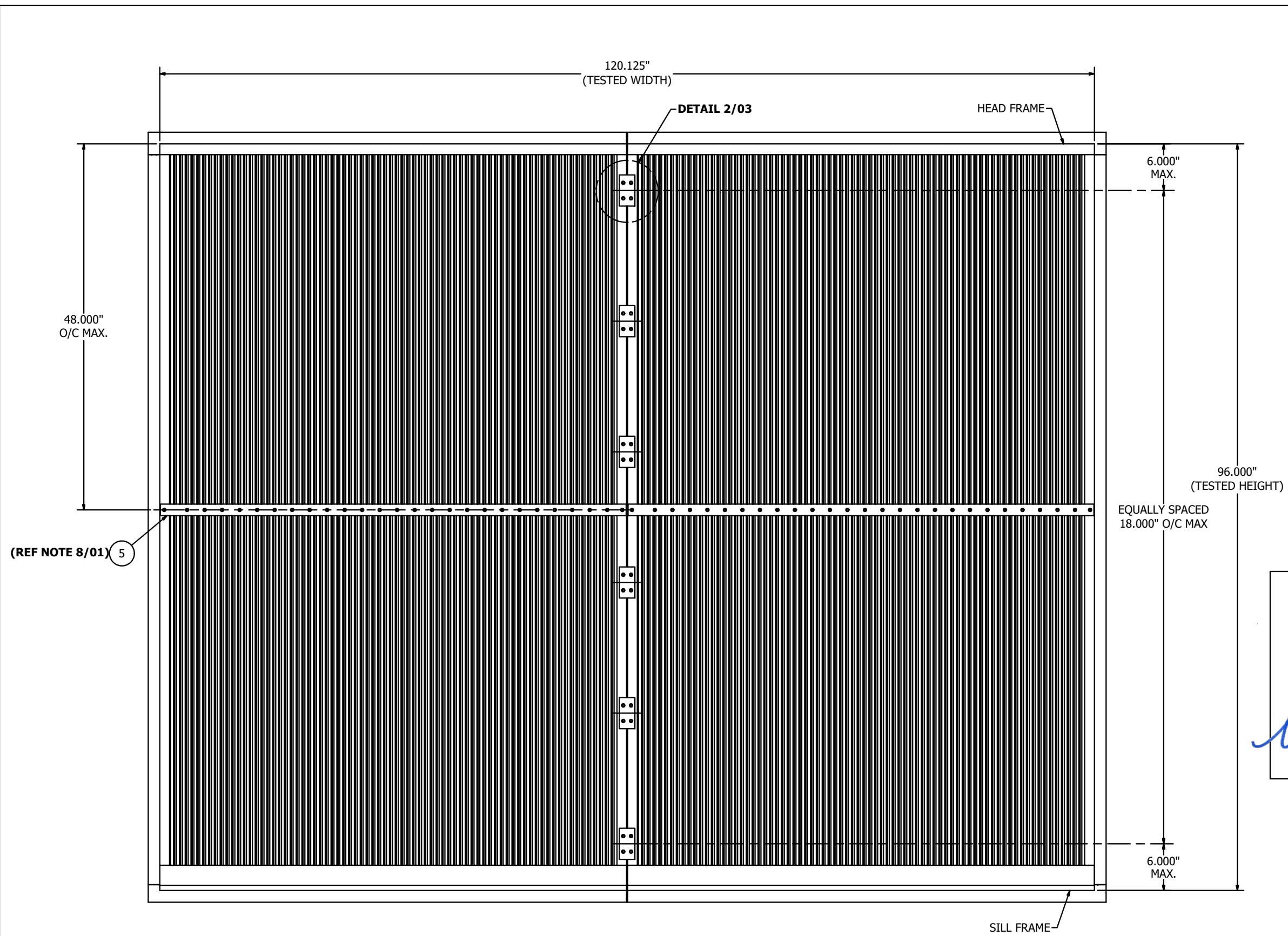


SECTION C-C



MELISSA MASSAR, P.E.
 NO. 132158


AUTHOR	DKF	9/24/2020	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	E-R	10/27/2020	
APPROVED	TCB	10/29/2020	
APPROVED	MMM	10/29/2020	
MATERIAL	EXTRUDED ALUMINUM	TITLE	MULTI-SECTION (FF) ASSEMBLY FRONT VIEW
SIZE	B	DWG NO	60-022581-00B
SCALE	NONE	INVENTOR	SHEET 4 OF 9

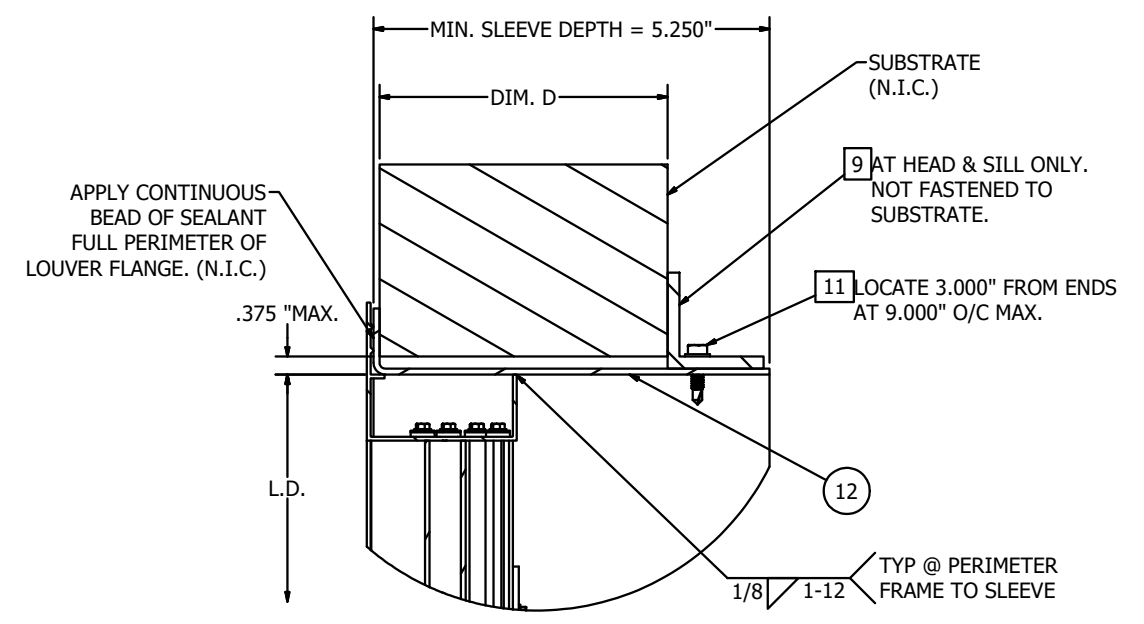
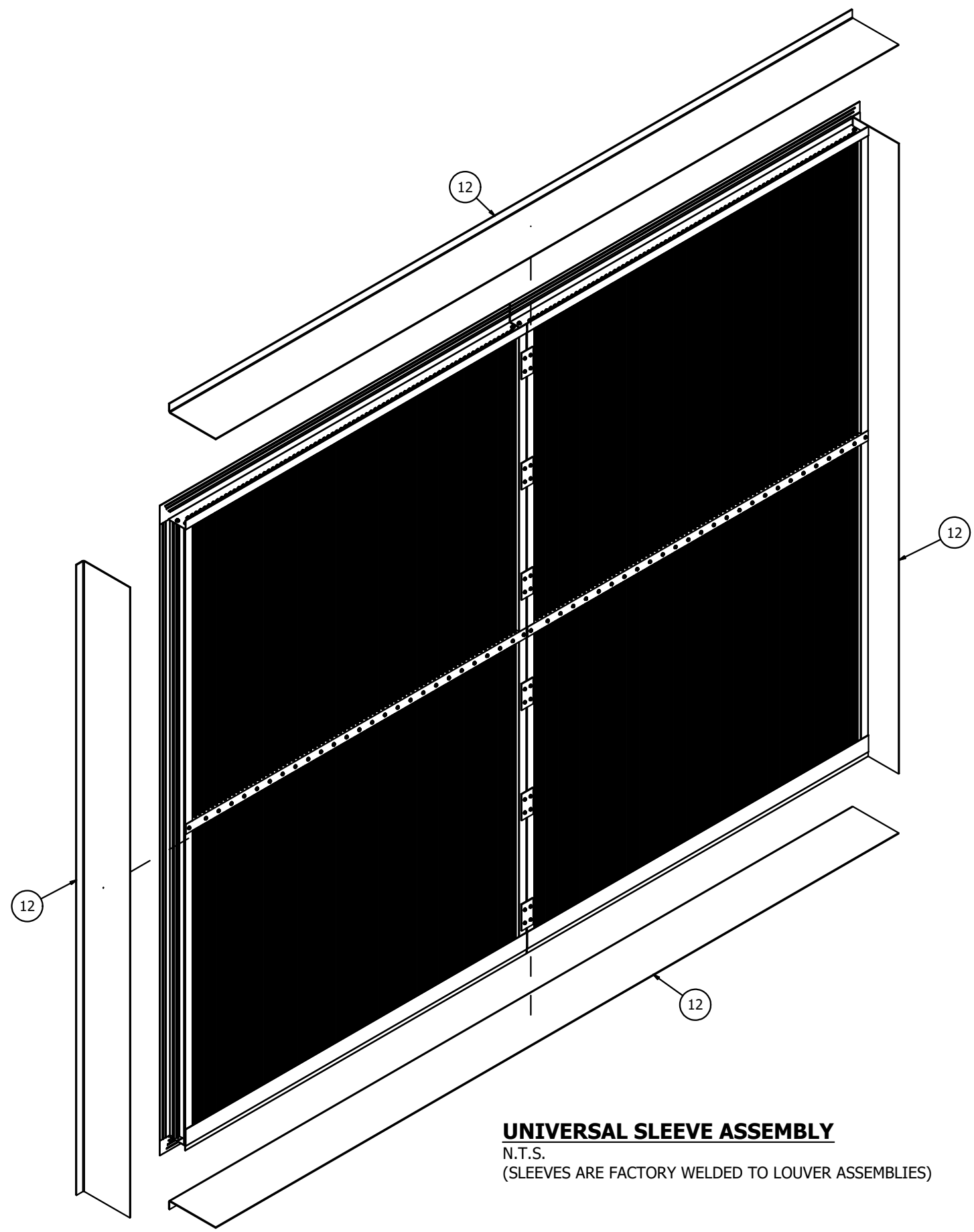


MULTI-SECTION ASSEMBLY - FLANGED FRAME LOUVER

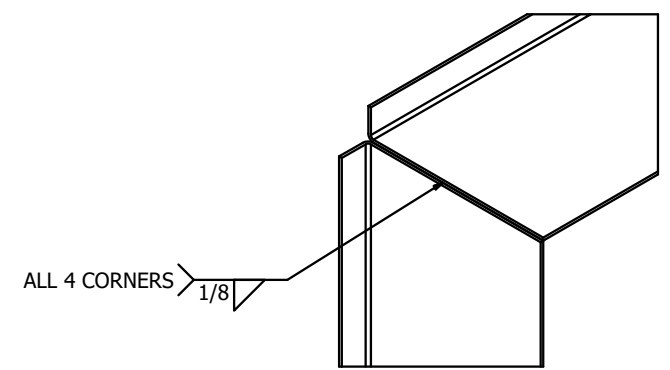
N.T.S.
(SUBSTRATE & INSTALL PARTS NOT SHOWN FOR CLARITY)

BACK VIEW

AUTHOR	DKF	9/24/2020	 <small>3900 Doctor Greaves Rd, Grandview, MO 64030</small> <small>PROPRIETARY AND CONFIDENTIAL</small>
CHECKED	E-R	10/27/2020	
APPROVED	TCB	10/29/2020	
APPROVED	MMM	10/29/2020	
MATERIAL	EXTRUDED ALUMINUM		<small>PRODUCT</small> EME3625MD / WIND-DRIVEN RAIN RESISTANT LOUVER
TITLE			MULTI-SECTION (FF) ASSEMBLY BACK VIEW
SIZE	B	DWG NO	60-022581-00B
SCALE	NONE	INVENTOR	SHEET 5 OF 9




DETAIL 9
 RETAINING ANGLE INSTALL AT HEAD (SHOWN). SIMILAR AT SILL.

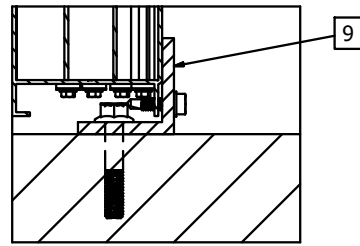


UNIVERSAL SLEEVE CORNER WELDS

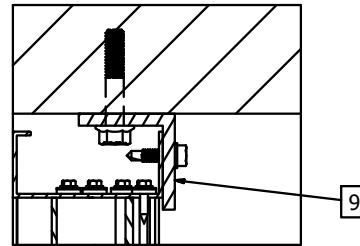


MELISSA MASSAR, P.E.
 NO. 132158

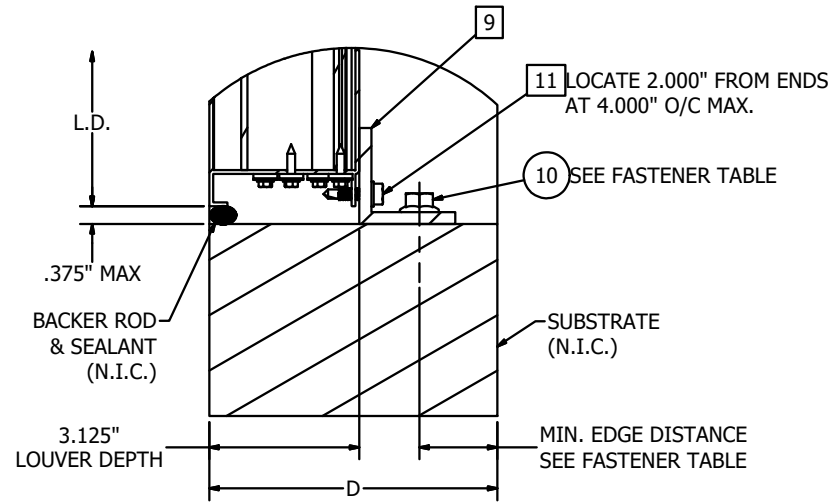
AUTHOR	DKF	9/24/2020	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	E-R	10/27/2020	
APPROVED	TCB	10/29/2020	
APPROVED	MMM	10/29/2020	
MATERIAL	EXTRUDED ALUMINUM	TITLE	UNIVERSAL SLEEVE ASSEMBLY & INSTALLATION
SIZE	B	DWG NO	60-022581-00B
ECN		SCALE	NONE
		INVENTOR	SHEET 6 OF 9



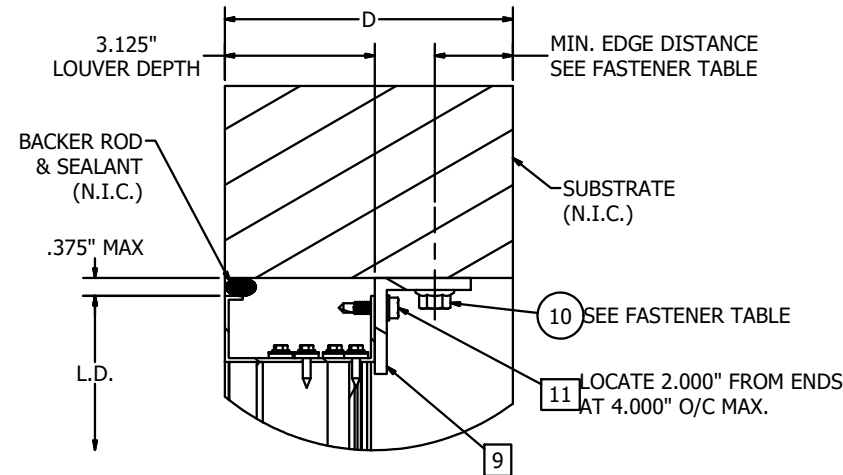
**OPTIONAL
LEG INSIDE**



**OPTIONAL
LEG INSIDE**



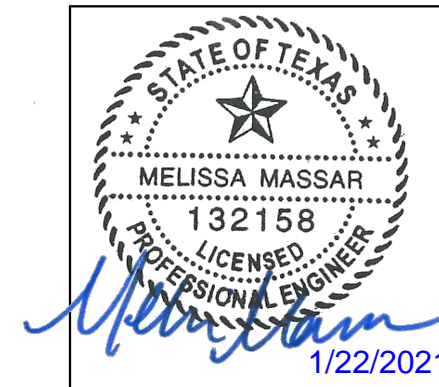
DETAIL 3
RETAINING ANGLE INSTALL AT SILL



DETAIL 4
RETAINING ANGLE INSTALL AT HEAD

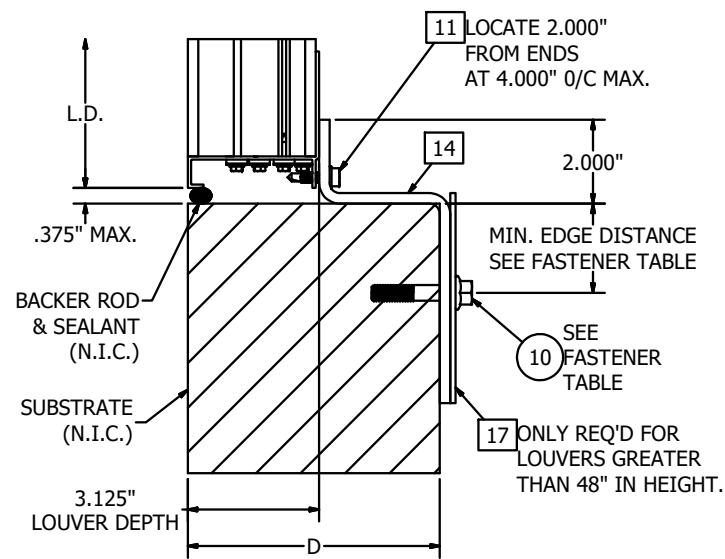
SUBSTRATE FASTENER TABLE (N.I.C.) / EME3625MD 120 PSF / SINGLE ANGLE INSTALL

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	8"	3 THREADS BEYOND NUT	1-1/2"
		3/8" DIA. LAG SCREW 2 1/2" LONG MIN. A307 GRADE A	8"	2-1/4"	1-1/2"
STEEL	18 GA, 45 KSI TENSILE STRENGTH, 33KSI YIELD STRENGTH	1/4-20 BOLT W/NUT & WASHER MIN A307 GRADE A	8"	3 THREADS BEYOND NUT	1/2"
	12 GA, 45 KSI TENSILE STRENGTH, 33KSI YIELD STRENGTH	1/4-20 SELF-DRILLING SCREW W/ WASHER CARBON STEEL	4"	3 THREADS BEYOND SUBSTR. THICKNESS	1/2"
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	1/4-20 BOLT W/NUT & WASHER MIN A307 GRADE A	8"	3 THREADS BEYOND NUT	1/2"
	0.1875" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	1/4-20 SELF-DRILLING SCREW W/ WASHER CARBON STEEL	4"	3 THREADS BEYOND SUBSTR. THICKNESS	1/2"
CONCRETE	2500 PSI COMPRESSIVE STRENGTH	3/8" DIA. SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR CARBON STEEL	8"	3-1/4"	2"
		3/8" DIA. DEWALT SCREW BOLT + SCREW ANCHOR CARBON STEEL	8"	3-1/4"	4"
		3/8" DIA. HILTI KWIK HUS-EZ SCREW ANCHOR CARBON STEEL	8"	3 1/4"	2"
		1/4" DIA. ELCO AGGRE-GATOR W/ WASHER 300 SERIES SS	4"	1-3/8"	1-1/2"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMPRESSIVE STRENGTH	3/8" DIA. SIMPSON STRONG-TIE TITEN HD SCREW ANCHOR CARBON STEEL	4"	2 -3/4"	4"
		3/8" DIA. DEWALT SCREW BOLT + SCREW ANCHOR CARBON STEEL	8"	3 1/4"	2"
		3/8" DIA. HILTI KWIK HUS-EZ SCREW ANCHOR CARBON STEEL	8"	3-1/4"	4"
		1/4" DIA. ELCO AGGRE-GATOR W/ WASHER 300 SERIES SS	4"	2"	2"

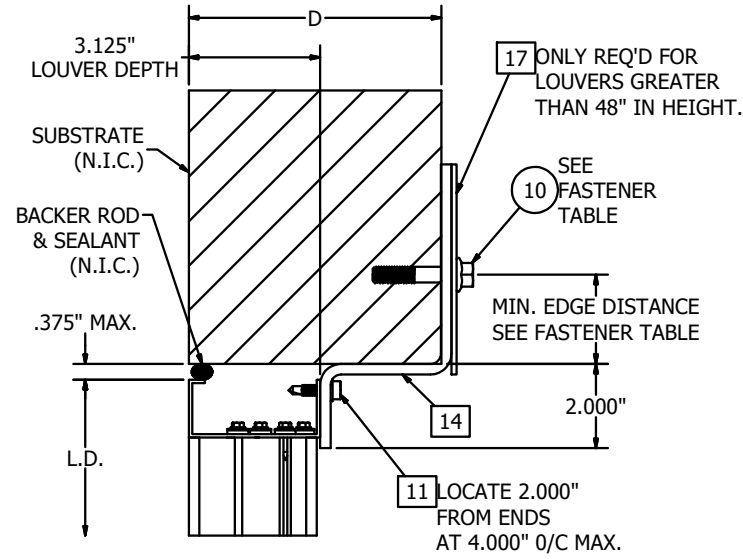


MELISSA MASSAR, P.E.
NO. 132158

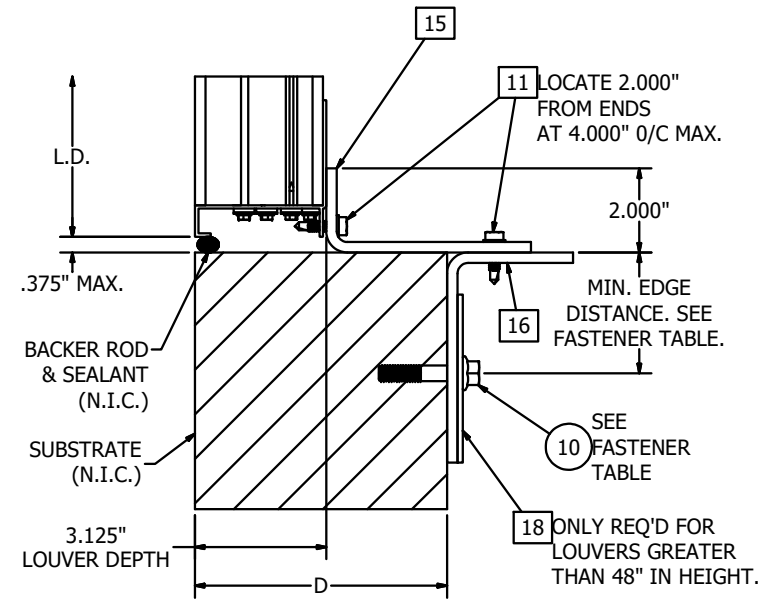
AUTHOR	DKF	9/24/2020		3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL	
CHECKED	E-R	10/27/2020			
APPROVED	TCB	10/29/2020	PRODUCT: EME3625MD / WIND-DRIVEN RAIN RESISTANT LOUVER		
APPROVED	MMM	10/29/2020	TITLE: LOUVER INSTALL / RETAINING SINGLE ANGLE		
MATERIAL	EXTRUDED ALUMINUM		SIZE	B	
ECN		SCALE	NONE	DWG NO	60-022581-00B
		INVENTOR		SHEET	7 OF 9



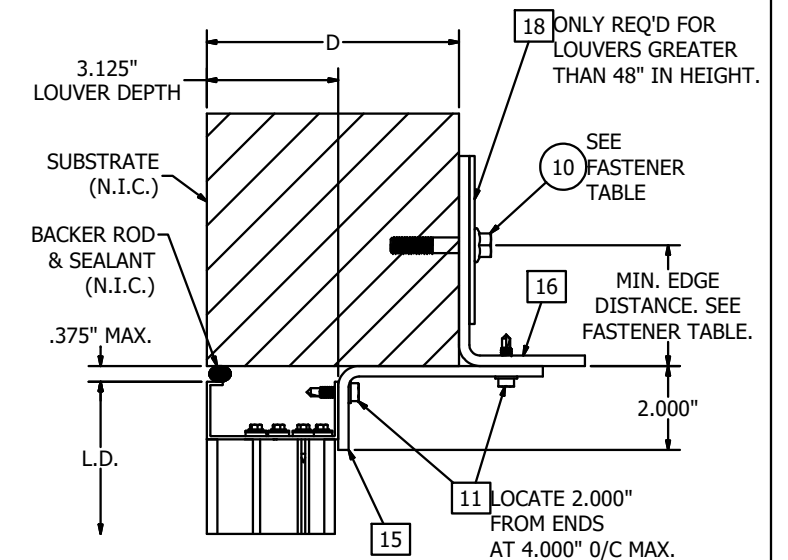
DETAIL 5
RETAINING ZEE INSTALLED AT SILL



DETAIL 6
RETAINING ZEE INSTALLED AT HEAD



DETAIL 7
DOUBLE ANGLE INSTALLED AT SILL



DETAIL 8
DOUBLE ANGLE INSTALLED AT HEAD

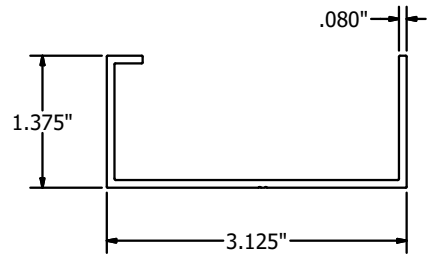
SUBSTRATE FASTENER TABLE (N.I.C.) / EME3625MD 120 PSF / RETAINING ZEE & DOUBLE ANGLE INSTALL

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, 33KSI YIELD STRENGTH	1/4-20 BOLT W/ NUT & WASHER, MIN A307 GRADE A	12"	3 THREADS BEYOND NUT	1/2"
	12 GA, 45 KSI TENSILE STRENGTH, 33KSI YIELD STRENGTH	1/4-14 SELF-DRILLING SCREW W/ WASHER CARBON STEEL	6"	3 THREADS BEYOND SUBSTR. THICKNESS	1/2"
ALUMINUM	0.125" THICK, 20 KSI TENSILE STRENGTH, 15 KSI YIELD STRENGTH	1/4-20 BOLT W/ NUT & WASHER, 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 W/ WASHER CARBON STEEL	6"	3 THREADS BEYOND SUBSTR. THICKNESS	1/2"
CONCRETE	2500 PSI COMPRESSIVE STRENGTH	3/8" DIA. SIMPSON STRONG-TIE TITAN HD SCREW ANCHOR CARBON STEEL	12"	3-1/4"	2"
		3/8" DIA. DEWALT SCREW BOLT + SCREW ANCHOR CARBON STEEL	12"	3-1/4"	4"
		3/8" DIA. HILTI KWIK HUS-EZ SCREW ANCHOR CARBON STEEL	12"	3 1/4"	2"
		1/4" DIA. ELCO AGGRE-GATOR W/ WASHER 300 SERIES SS	6"	1-3/8"	1-1/2"
GROUT FILLED CMU	ASTM C-90 BLOCK, 1500 PSI GROUT COMPRESSIVE STRENGTH	3/8" DIA. SIMPSON STRONG-TIE TITAN 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 W/ WASHER 300 SERIES SS	6"	2"	2"

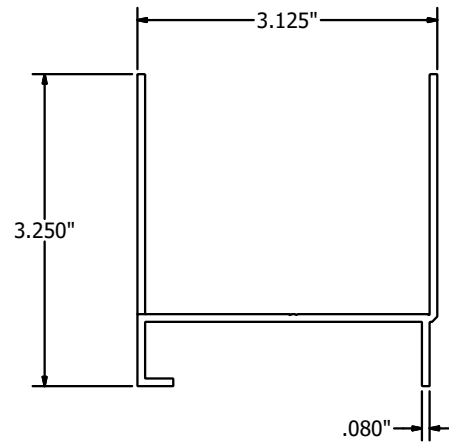


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NO. 132158

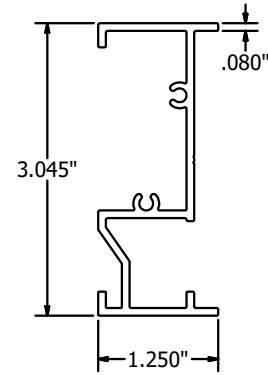
AUTHOR	DKF	9/24/2020		3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	E-R	10/27/2020		
APPROVED	TCB	10/29/2020	PRODUCT	EME3625MD / WIND-DRIVEN RAIN RESISTANT LOUVER
APPROVED	MMM	10/29/2020	TITLE	LOUVER INSTALL / RETAINING ZEE & DOUBLE ANGLE
MATERIAL	EXTRUDED ALUMINUM		SIZE	B
			DWG NO	60-022581-00B
SCALE	NONE		INVENTOR	SHEET 8 OF 9



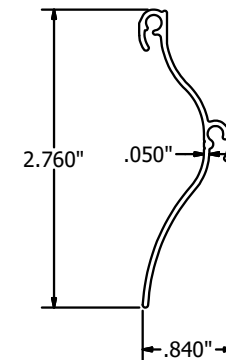
HEAD FRAME ITEM-1
N.T.S.



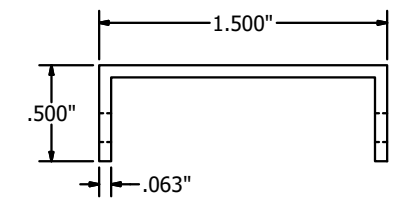
SILL FRAME ITEM-2
N.T.S.



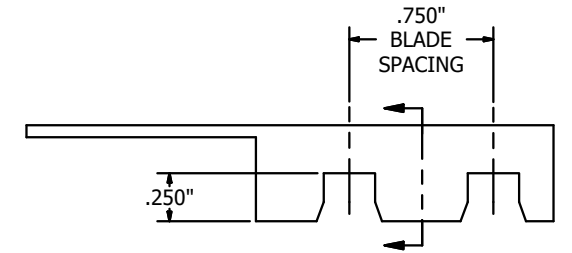
JAMB FRAME ITEM-3
N.T.S.



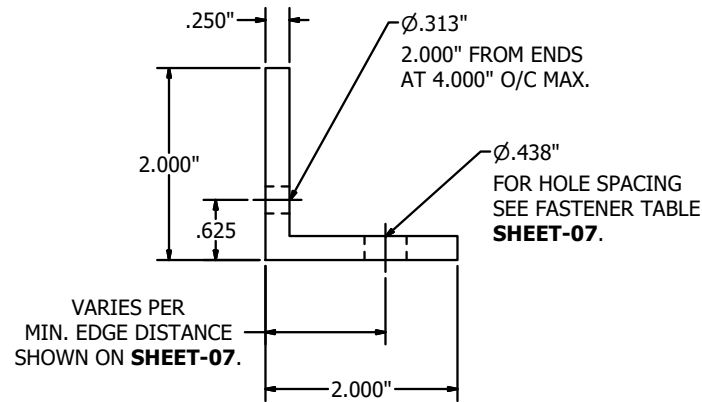
BLADE ITEM-4
N.T.S.



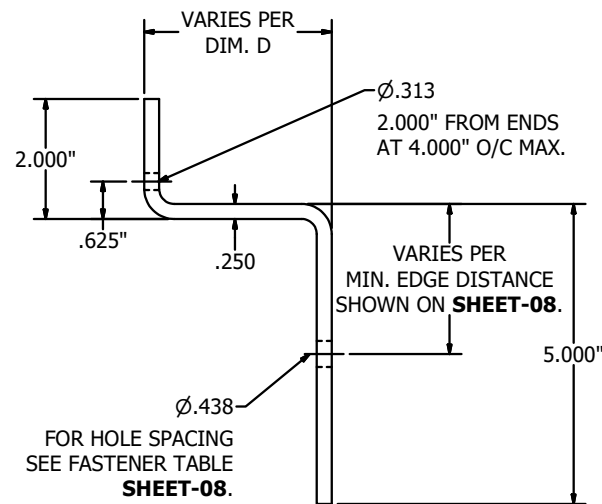
H.H.B.S. ITEM-5
N.T.S.



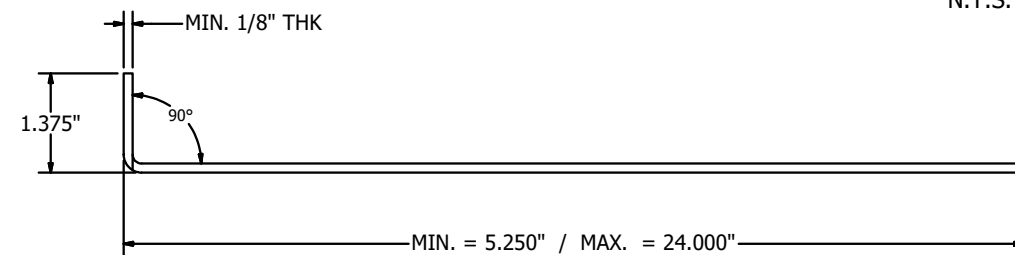
UNIVERSAL SLEEVE ITEM-12
N.T.S.



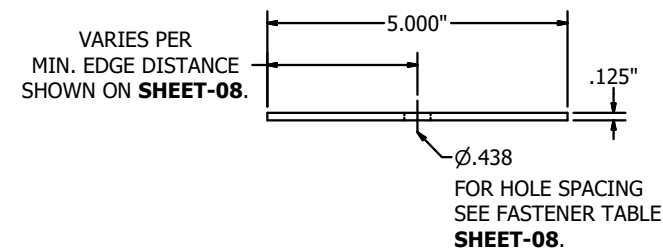
RETAINING ANGLE ITEM-9
N.T.S.



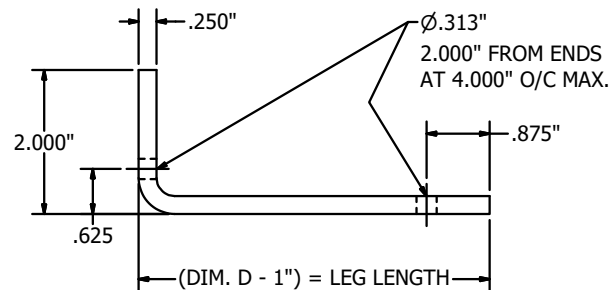
RETAINING ZEE ITEM - 14
N.T.S.



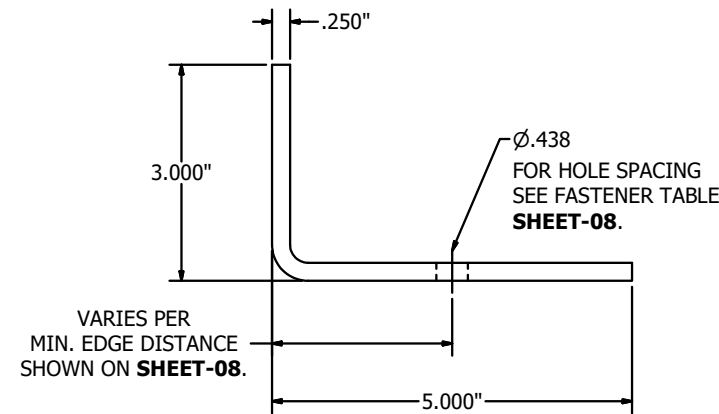
STIFFENER PLATE ITEM-17
N.T.S.



STIFFENER PLATE ITEM-18
N.T.S.



RETAINING ANGLE ITEM - 15
N.T.S.



RETAINING ANGLE ITEM - 16
N.T.S.



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AUTHOR	DKF	9/24/2020	 3900 Doctor Greaves Rd, Grandview, MO 64030 PROPRIETARY AND CONFIDENTIAL
CHECKED	E-R	10/27/2020	
APPROVED	TCB	10/29/2020	
APPROVED	MMM	10/29/2020	
MATERIAL	EXTRUDED ALUMINUM	TITLE	LOUVER FRAMING & INSTALL PART PROFILES
SIZE	B	DWG NO	60-022581-00B
SCALE	NONE	INVENTOR	SHEET 9 OF 9