

KOMMERLING USA, INC
SERIES 76MD INSWING ENTRY DOORS
VINYL, NON-IMPACT, NON-HVHZ

GENERAL NOTES:

1. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORTS BY PRI CONSTRUCTION MATERIALS TECHNOLOGIES LLC; TEST REPORT NO. PRI-2569T0011.02, PRI-2569T0017.01 PERFORMANCE STANDARDS USED IN TESTING WERE: AAMA/WDMA/CSA101/I.S.2 /A440-17 TEST STANDARD.
2. THIS PRODUCT MAY NOT BE USED INSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
3. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY AND 2X FRAMING FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
4. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
5. WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST,THIS PRODUCT DOES REQUIRE OPENING PROTECTION.
6. SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
7. MATERIALS:

7.1. FRAME: RIGID PVC / VINYL BY PROFINE. SEE LATEST PROFINE GmBh M.D. NOTICE OF ACCEPTANCE (N.O.A.) FOR PVC / VINYL CONFORMANCE TO PLASTICS REQUIREMENTS OF THE FLORIDA BUILDING CODE.
8. GLAZING:

8.1. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-16.

8.2. SEE GLAZING DETAILS ON SHEET 5 OF 9.

8.3. THE IGU WAS SET FROM THE INTERIOR ONTO PCE GLAZING GASKETS AND SECURED IN PLACE WITH VINYL GLAZING BEADS (WITH COEXTRUDED FLEXIBLE PVC LEAFS).

8.4. GLASS SHALL MEET SAFETY GLAZING REQUIREMENTS PER CURRENT EDITION OF THE FLORIDA BUILDING CODE

8.5. ALL SETTING BLOCKS AND GASKET MATERIALS SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER. GASKET MATERIALS SHALL BE EDPM WITH A MINIMUM 60 SHORE A DUROMETER.
9. DESIGNATION "X" STANDS FOR OPERABLE LITE AND "O" STANDS FOR FIXED LITE.
10. THESE DRAWINGS CERTIFY THE DOOR INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. IS THE RESPONSIBILITY OF THE MANUFACTURER AND/OR THE INSTALLER.

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SHEET NO.	DESCRIPTION
1	GENERAL & INSTALLATION NOTES
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5	CROSS SECTIONS & GLAZING DETAIL
6 - 8	ANCHOR DETAILS
9	BILL OF MATERIALS & COMPONENTS

PERFORMANCE RATING				
MAXIMUM DOOR SIZE	FRAME TYPE	INSTALLATION TYPE	DESIGN PRESSURE (PSF)	IMPACT RATING
48" X 96" (X)	TALL BOTTOM RAIL	ANCHOR STRAP/THROUGH FRAME	+/- 50	NONE
96" X 96" (OX, XO)				

- NOTES:
1. LIMITED WATER RATING, THIS SYSTEM WAS NOT TESTED FOR WATER PENETRATION INFILTRATION AND MUST BE INSTALLED IN LOCATIONS WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED.
2. DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 NEED NOT BE TESTED FOR WATER INFILTRATION. THE OVER HANG RATIO SHALL BE CALCULATED BY THE FOLLOWING EQUATION: OH RATIO = OH LENGTH/OH HEIGHT.

INSTALLATION NOTES:

1. PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
2. SEE INSTALLATION ANCHOR SCHEDULE ON SHEET 4 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.

2.1. EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.

2.2. MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
3. SEE SHEETS 6, 7 & 8 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
4. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
5. ANCHOR QUANTITIES AND SPACING / EMBEDMENT AND EDGE DISTANCE

5.1. THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH ELEVATIONS ON SHEET 2 AND 3.

5.2. END DISTANCES AND O.C. SPACINGS LESS THAN THAT SHOWN IN THE ELEVATIONS ON SHEETS 2 AND 3 ARE ACCEPTABLE.

5.3. FOR DOOR SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.

5.4. ANCHOR QUANTITIES AND SPACINGS SHOWN ARE BASED ON THE LOWER OF ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.

5.5. SEE SPACING, EMBEDMENT AND EDGE DISTANCE REQUIREMENTS IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 4.
6. MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
7. FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 4.

This item has been digitally signed and sealed by Robert J. Amoruso, PE on the date adjacent to the seal. Signature must be verified on any electronic copies.

KOMMERLING USA, INC.
3402 STANWOOD BLVD. NE.
HUNTSVILLE, AL 35811

SERIES 76MD INSWING ENTRY DOOR, NON- IMPACT
INSTALLATION ANCHORAGE DETAILS

DATE

12/09/2025

DWN BY:

JM

CHK BY:

RJA

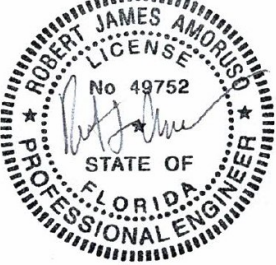
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REVISION DESCRIPTION

NO.

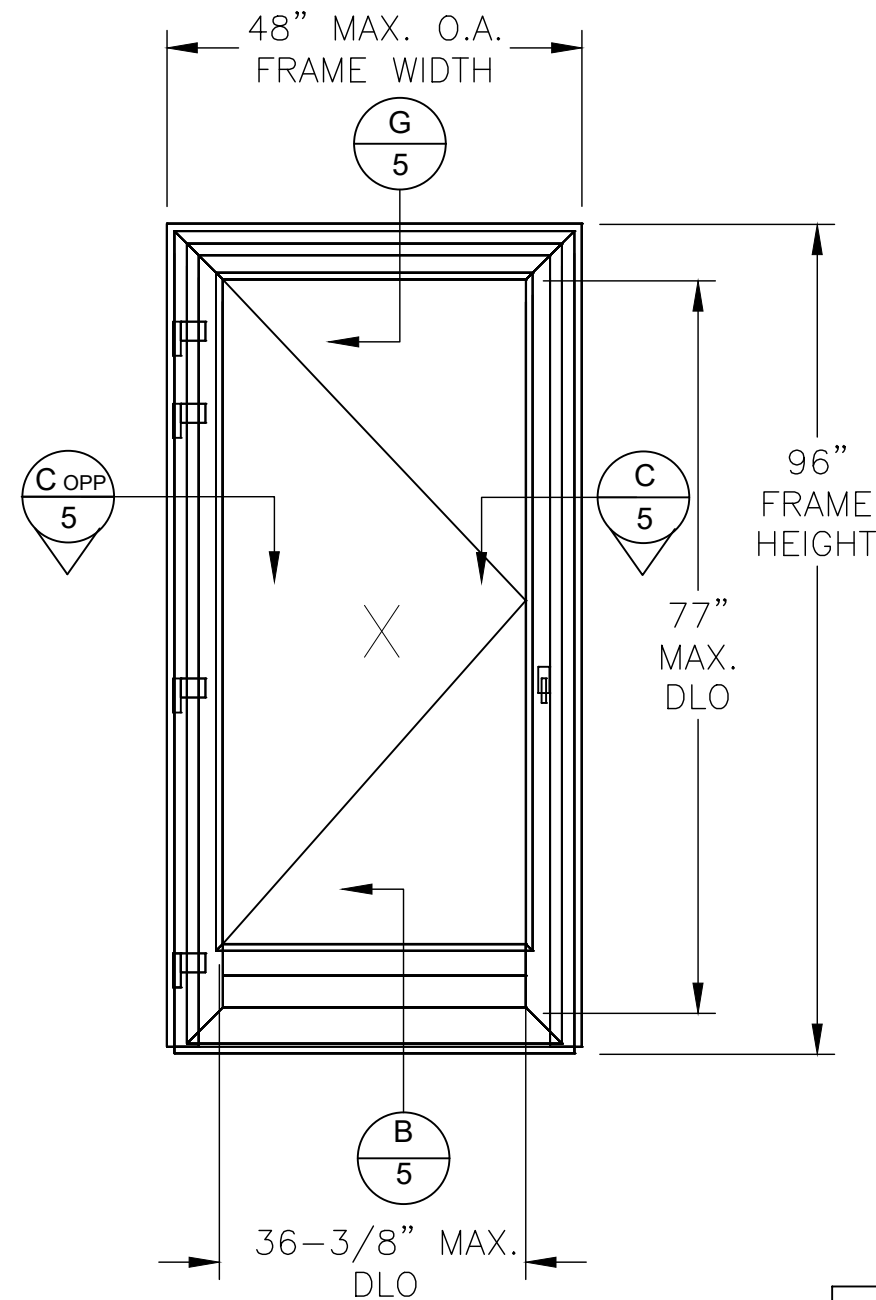
ROBERT J. AMORUSO, P.E. #49752
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Robert J Amoruso®
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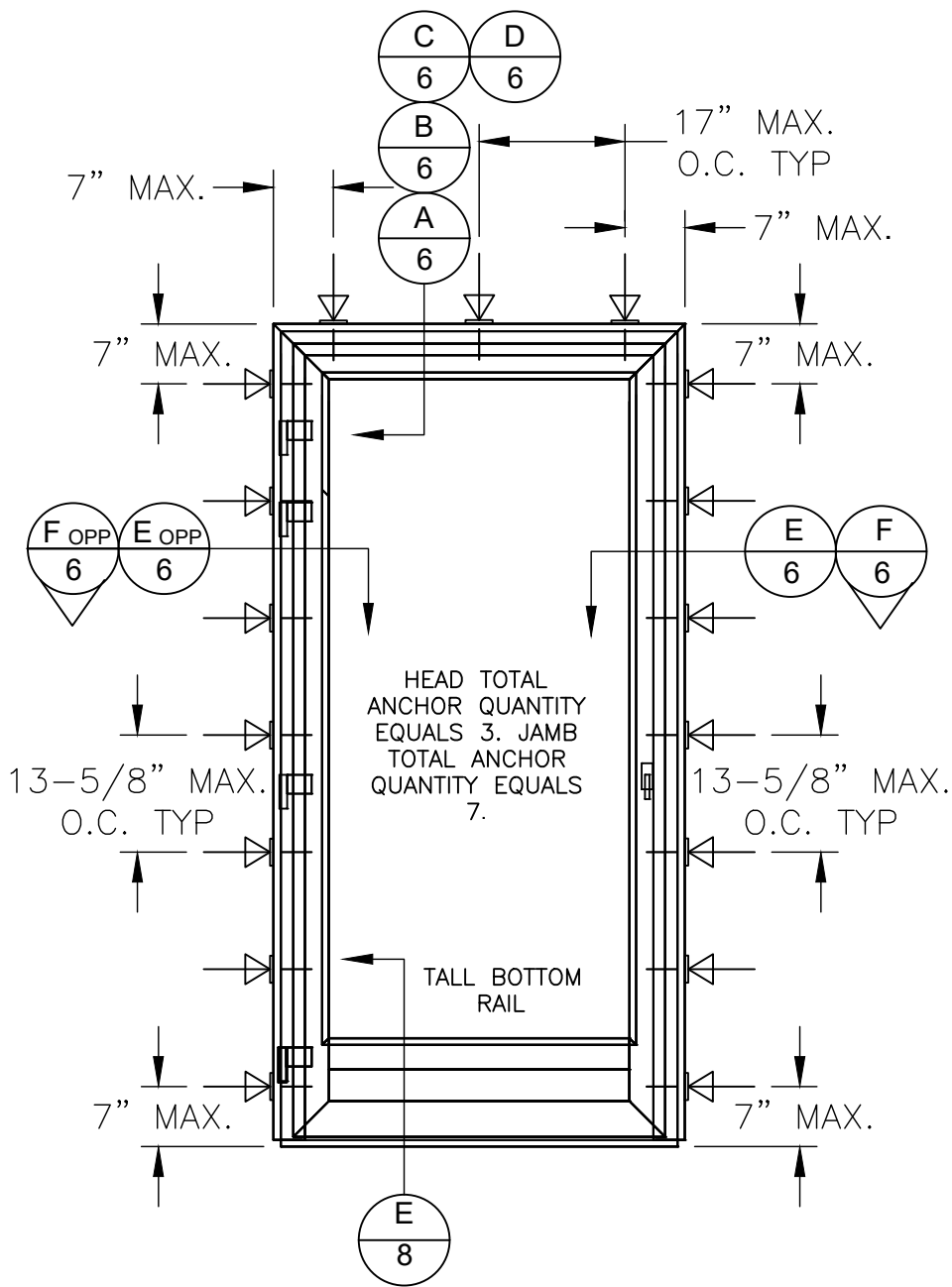
PROJECT#: ACE-2025-208
DWG/REV: SCS-0048, Rev 0
SHT: 1 of 9

SINGLE DOOR ELEVATION
INSTALLATION ANCHOR SCHEDULE



ELEVATION LAYOUT
76MD SINGLE ENTRY DOOR
TALL BOTTOM RAIL
W/ ADA SILL

ANCHOR LOCATIONS HAVE A
 $\pm 1/2$ " TOLERANCE



ANCHOR LAYOUT
ANCHOR THROUGH FRAME
AND STRAP INSTALLATION

— = STRAP ANCHOR
— = FRAME ANCHOR

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SERIES 76MD INSWING ENTRY DOOR, NON-IMPACT
INSTALLATION ANCHORAGE DETAILS

DATE	BY	REVISION DESCRIPTION	NO.

DATE: 12/09/2025
DWN BY: JM
CHK BY: RJA
SCALE: NONE

ROBERT J. AMORUSO, P.E. #49752
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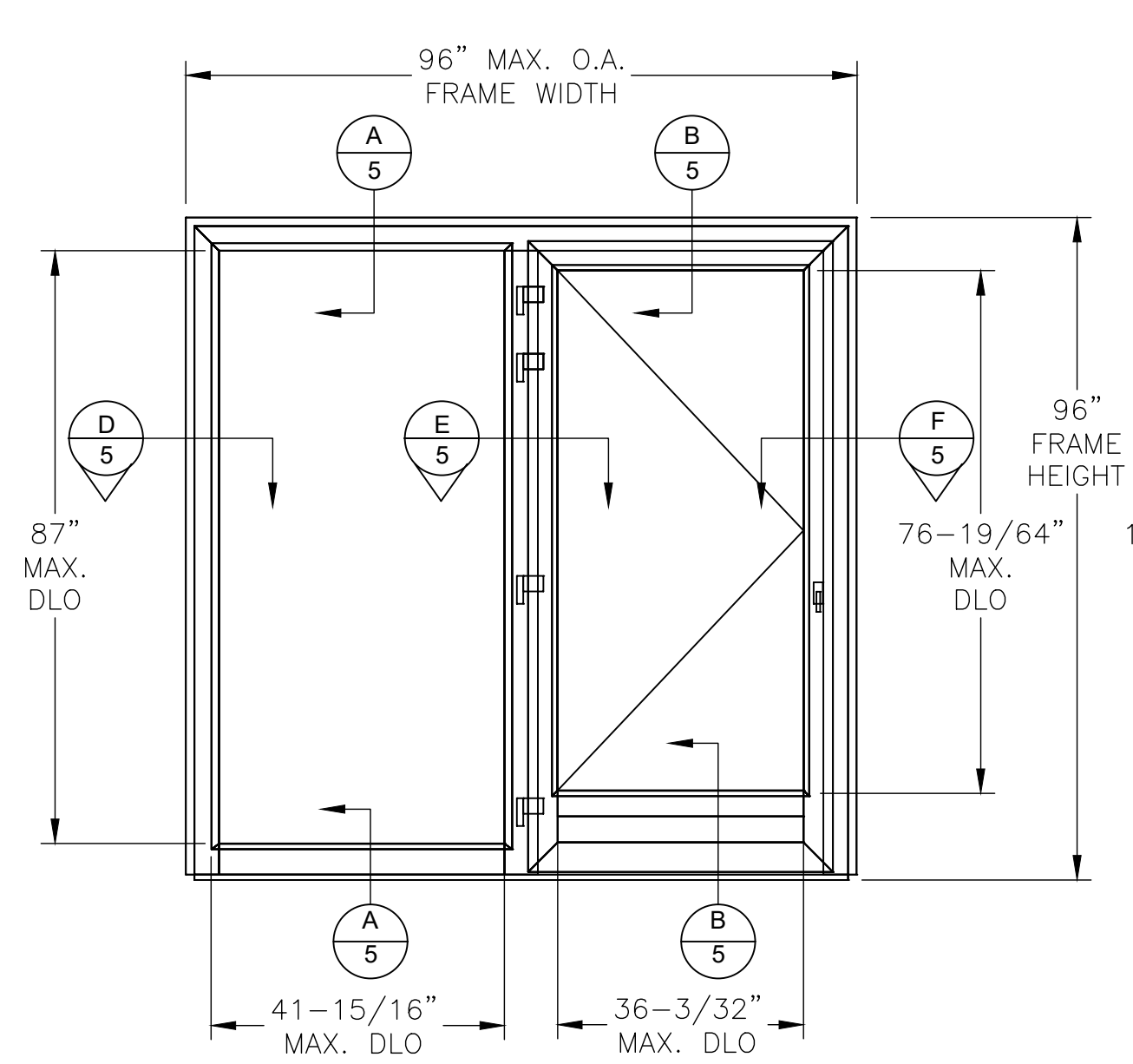


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SHT: 2 of 9

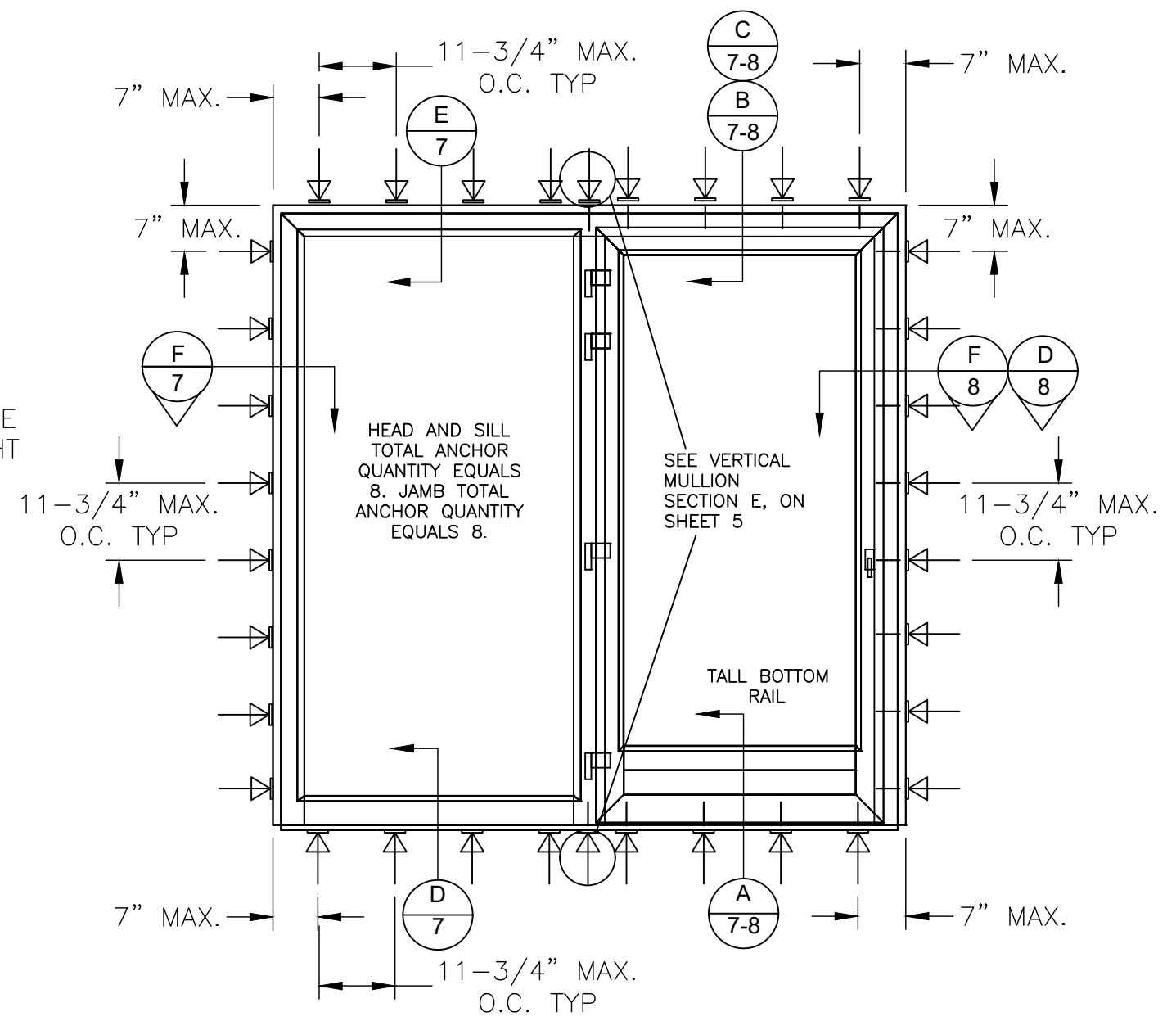
(OX-XO) DOOR ELEVATION
INSTALLATION ANCHOR SCHEDULE

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ELEVATION LAYOUT
76MD SINGLE ENTRY DOOR
WITH SIDELIGHT
STANDARD BOTTOM RAIL

ANCHOR LOCATIONS HAVE A
+/-1/2" TOLERANCE



ANCHOR LAYOUT
ANCHOR THROUGH FRAME
AND STRAP INSTALLATION
—> = STRAP ANCHOR
— = FRAME ANCHOR

SERIES 76MD INSWING ENTRY DOOR, NON-IMPACT INSTALLATION ANCHORAGE DETAILS	DATE	BY			
	REVISION DESCRIPTION				
	NO.				

DATE: 12/09/2025	DWN BY: JM	CHK BY: RJA	SCALE: NONE
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ANCHOR SCHEDULE

THROUGH (RETROFIT) FRAME AND ANCHOR STRAP

ANCHOR SCHEDULE							
ANCHORING METHOD	SUBSTRATE	SCREW HEAD TYPE (2)	SCREW SIZE	MANUFACTURER AND/OR SPECIFICATION (1)	EMBEDMENT (IN)	EDGE DISTANCE (IN)	ANCHOR CAPACITIES BASED ON THE FOLLOWING SUBSTRATE STRENGTHS
ANCHOR THROUGH FRAME OR STRAP	CONCRETE	HEX, PAN OR FLAT HEAD	1/4"	ITW TAPCONS	1-1/2"	1-1/2"	MIN. 2500 PSI CONCRETE
	MASONRY (BLOCK/CMU)	HEX, PAN OR FLAT HEAD	1/4"	ITW TAPCONS	1"	2"	ASTM C90 MED. WT. (DENSITY) > 117 PCF MASONRY (CMU) MIN
	WOOD	PAN OR FLAT HEAD	NO. 14	ANSI B18.6.1 (WOOD SCREW)	1-1/2"	1"	WOOD WITH A MINIMUM SPECIFIC GRAVITY 0.42 (NON-HVHZ)
			NO. 14	ASME B18.6.4 (TAPPING SCREW)			
	STEEL STUD	PAN OR FLAT HEAD	1/4"	ASME B18.6.4 (GRADE 5 TAPPING SCREW) Type AB Threads (requires pilot hole) or Self-Drilling (drill shaped point)	At least three full threads protrude into the interior of the steel stud.	3/8"	STEEL STUD, MIN. 20 GA. 33 MIL., 0.0329 INCH Fy = 33 KSI MIN. AND Fu = 45 KSI MIN.

NOTES:

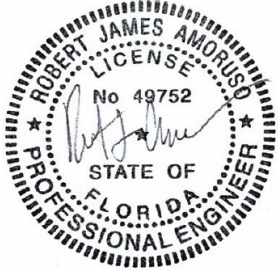
(1) ITW (ADVANCED THREADFORM TECHNOLOGY) TAPCONS WILL BE USED FOR CONCRETE/MASONRY INSTALLATION.

(2) HEX (CONCRETE/MASONRY) OR PAN HEAD PREFERRED, FLAT HEAD ACCEPTABLE.

SERIES 76MD INSWING ENTRY DOOR, NON- IMPACT INSTALLATION ANCHORAGE DETAILS			
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SCALE: NONE

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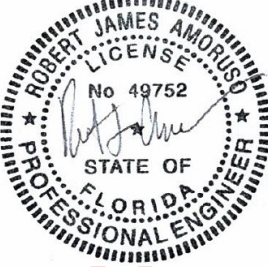
SHT: 4 of 9

SERIES 76MD INSWING ENTRY DOOR, NON-IMPACT
INSTALLATION ANCHORAGE DETAILS

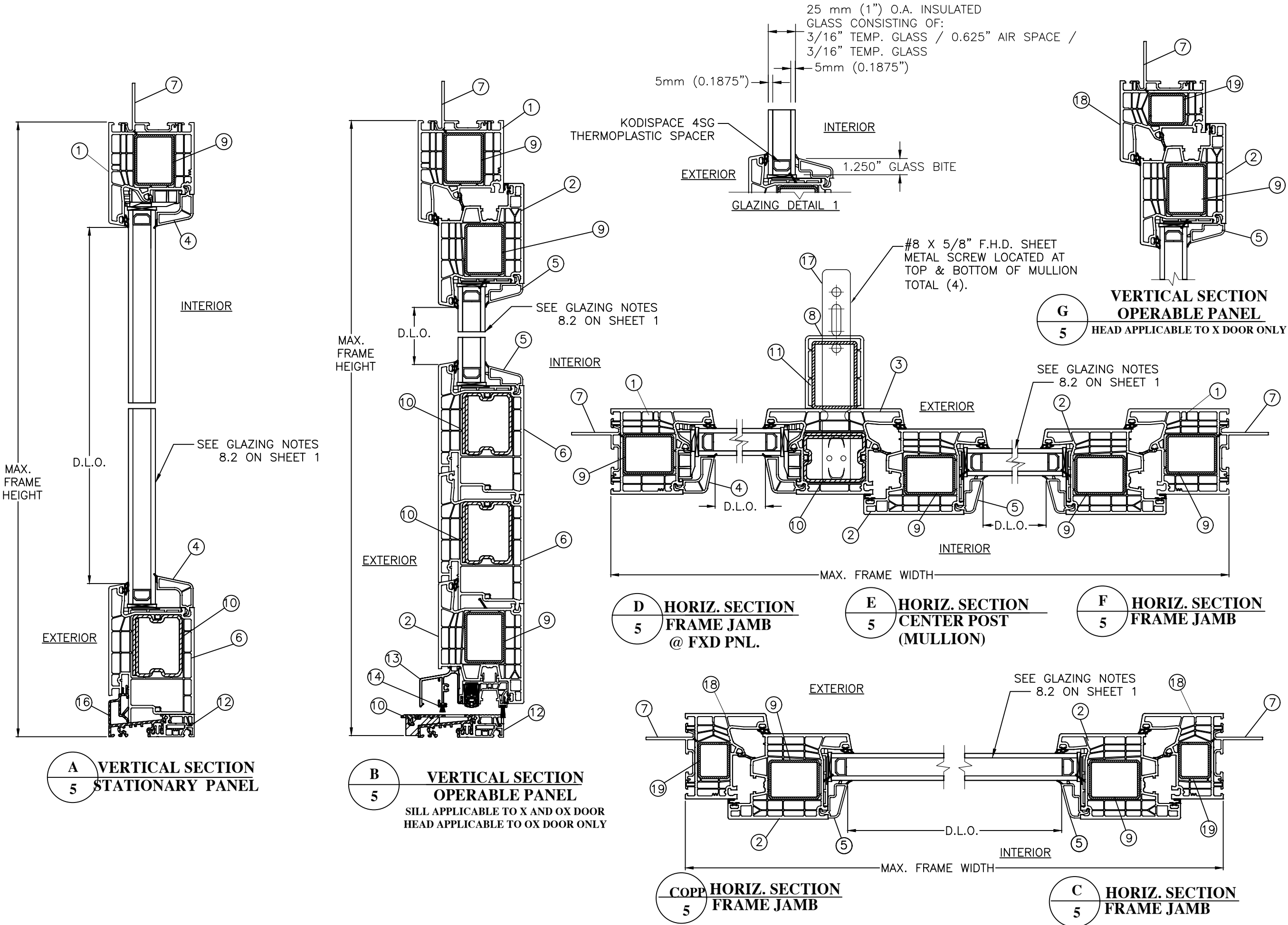
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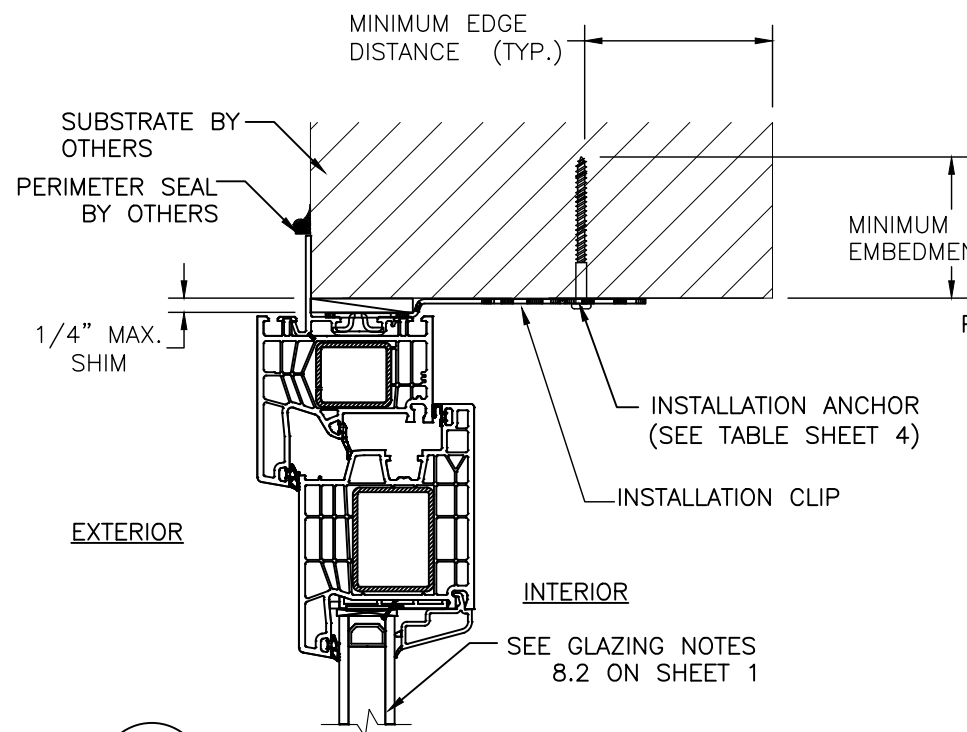
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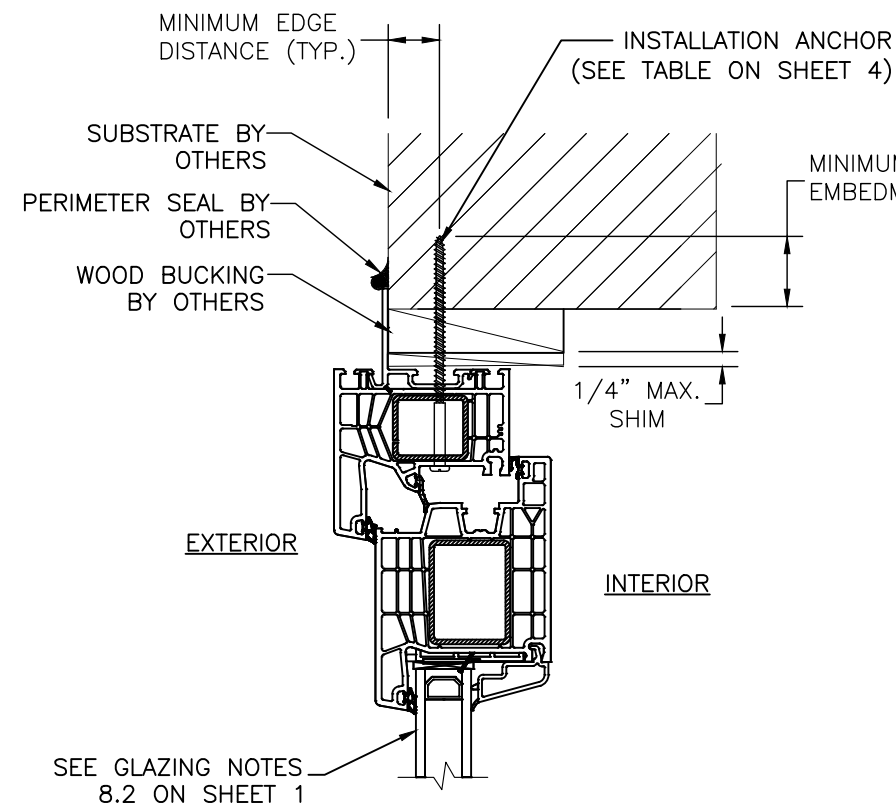


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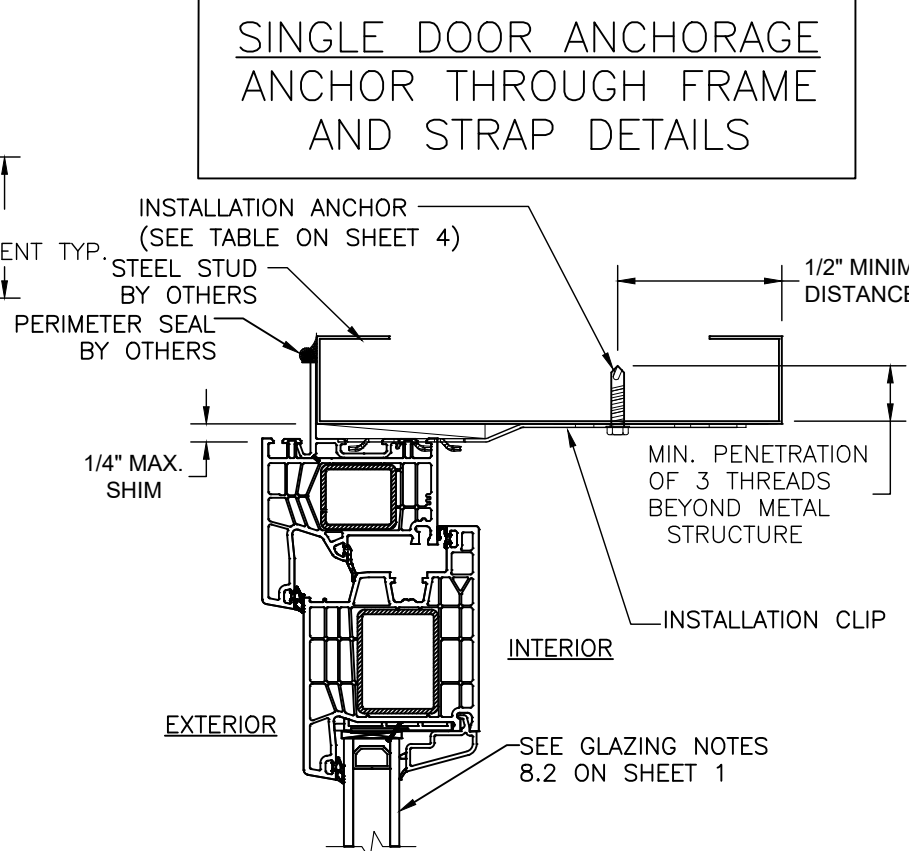




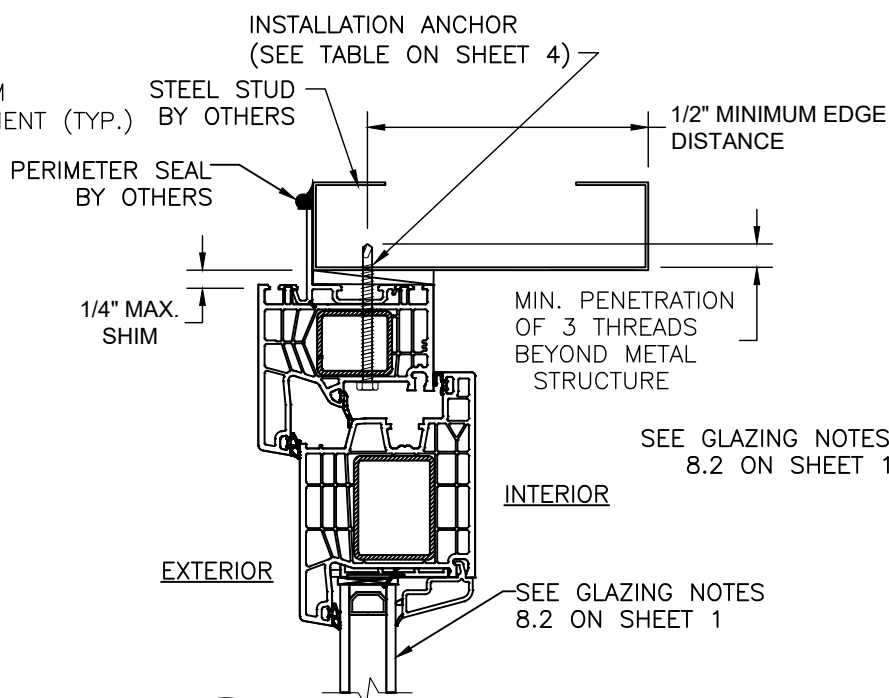
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6 **ANCHOR DETAIL**
INSTALLATION CLIP
FRAME HEAD



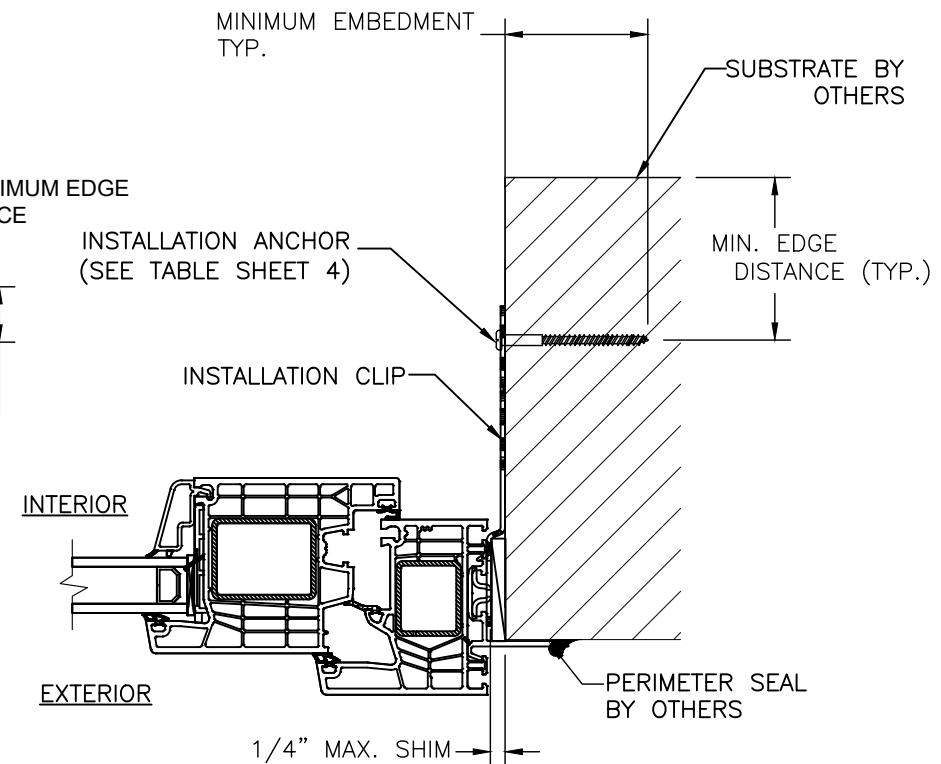
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6 **ANCHOR DETAIL**
THROUGH FRAME
FRAME HEAD



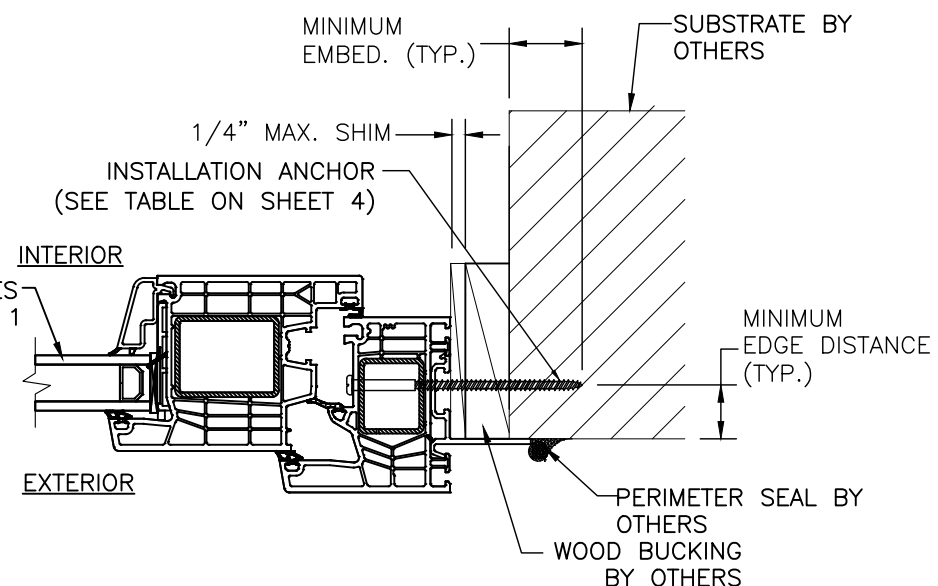
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6 **VERTICAL SECTION**
STEEL STUD STRUCTURE
CLIP INSTALLATION
HEAD SHOWN & JAMBS SIMILAR



C
6 **VERTICAL SECTION**
STEEL STUD STRUCTURE
CLIP INSTALLATION
HEAD SHOWN & JAMBS SIMILAR



F
6 **ANCHOR DETAIL**
INSTALLATION CLIP
FRAME JAMB



E
6 **ANCHOR DETAIL**
THROUGH FRAME
FRAME JAMB

SINGLE DOOR ANCHORAGE ANCHOR THROUGH FRAME AND STRAP DETAILS

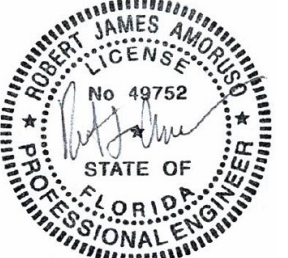
KOMMERLING USA, INC.
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HUNTSVILLE, AL 35811

SERIES 76MD INSWING ENTRY DOOR, NON-IMPACT INSTALLATION ANCHORAGE DETAILS

NO.	REVISION DESCRIPTION	BY	DATE			

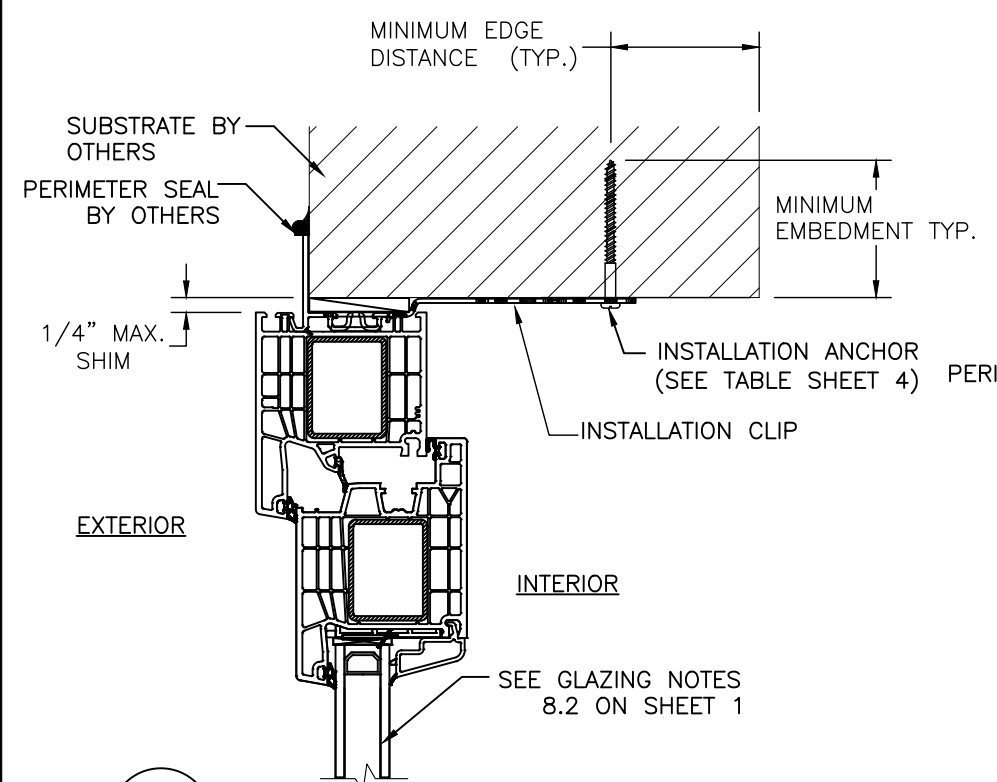
DATE: 12/09/2025	DWN BY: JM	CHK BY: RJA	SCALE: NONE
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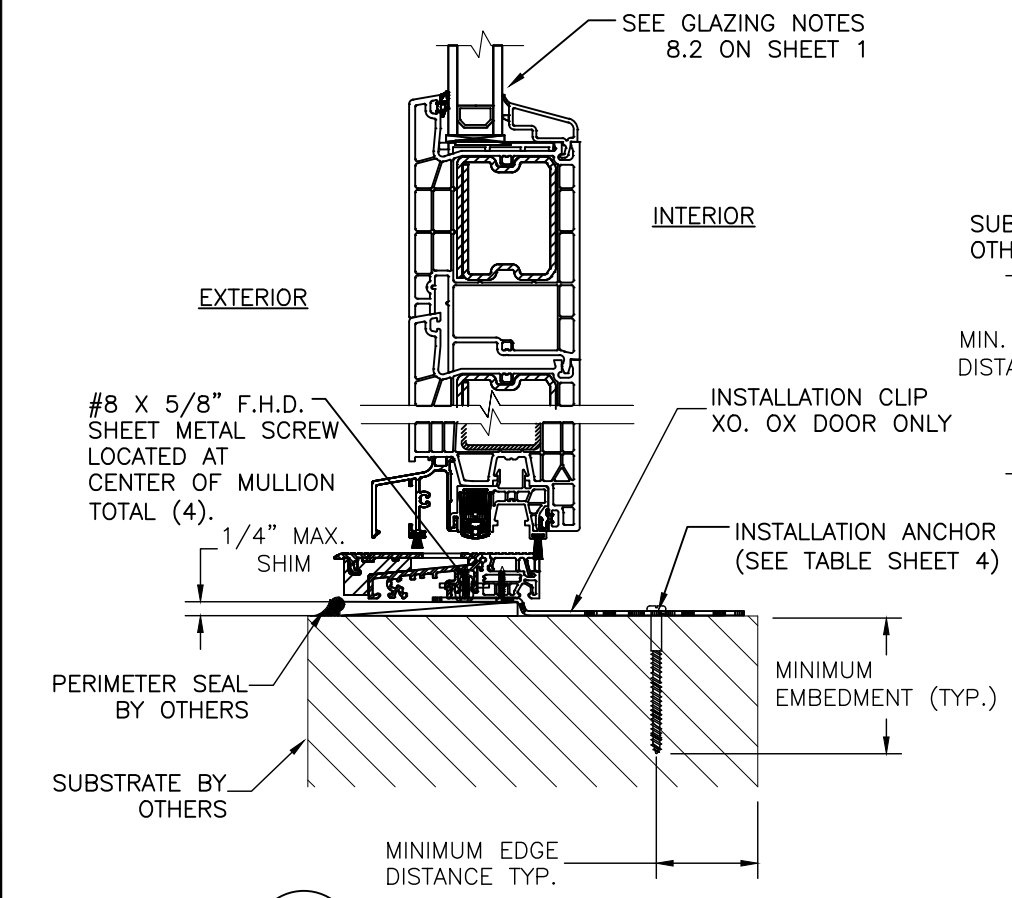


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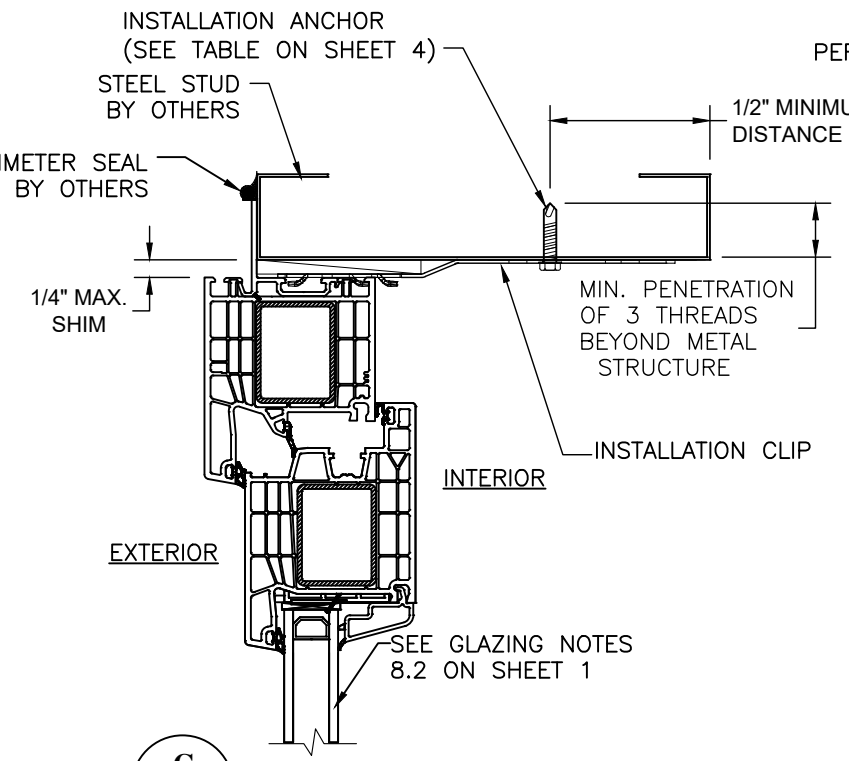
PROJECT#:	ACE-2025-208
DWG/REV:	SCS-0048, Rev 0
SHT:	6 of 9



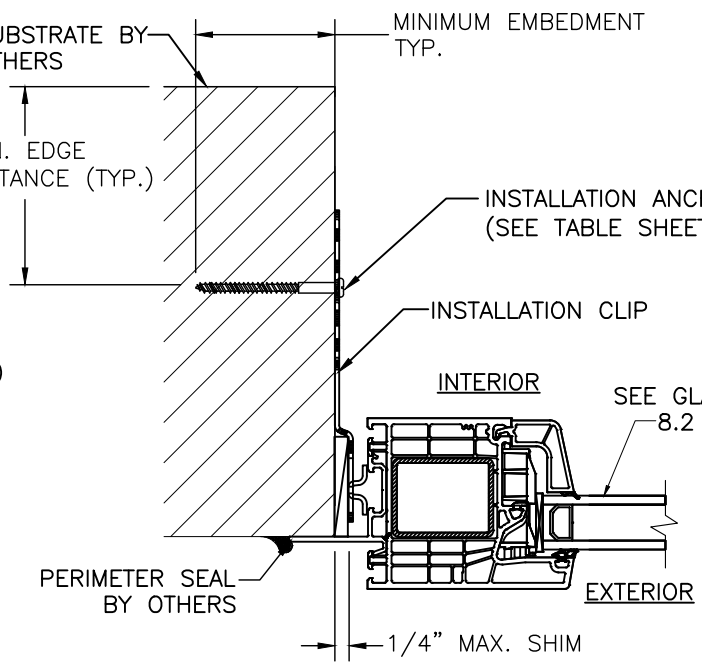
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7 **ANCHOR DETAIL**
INSTALLATION CLIP
OPERABLE FRAME HEAD



A
7 **ANCHOR DETAIL**
INSTALLATION CLIP
OPERABLE FRAME SILL

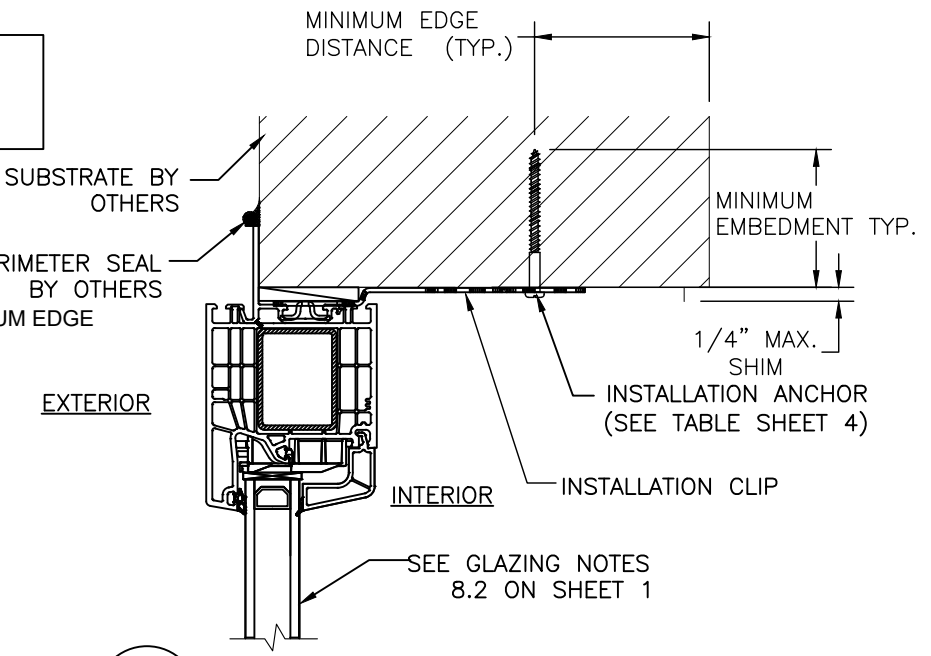


C
7 **VERTICAL SECTION**
STEEL STUD STRUCTURE
CLIP INSTALLATION
HEAD SHOWN & JAMBS SIMILAR

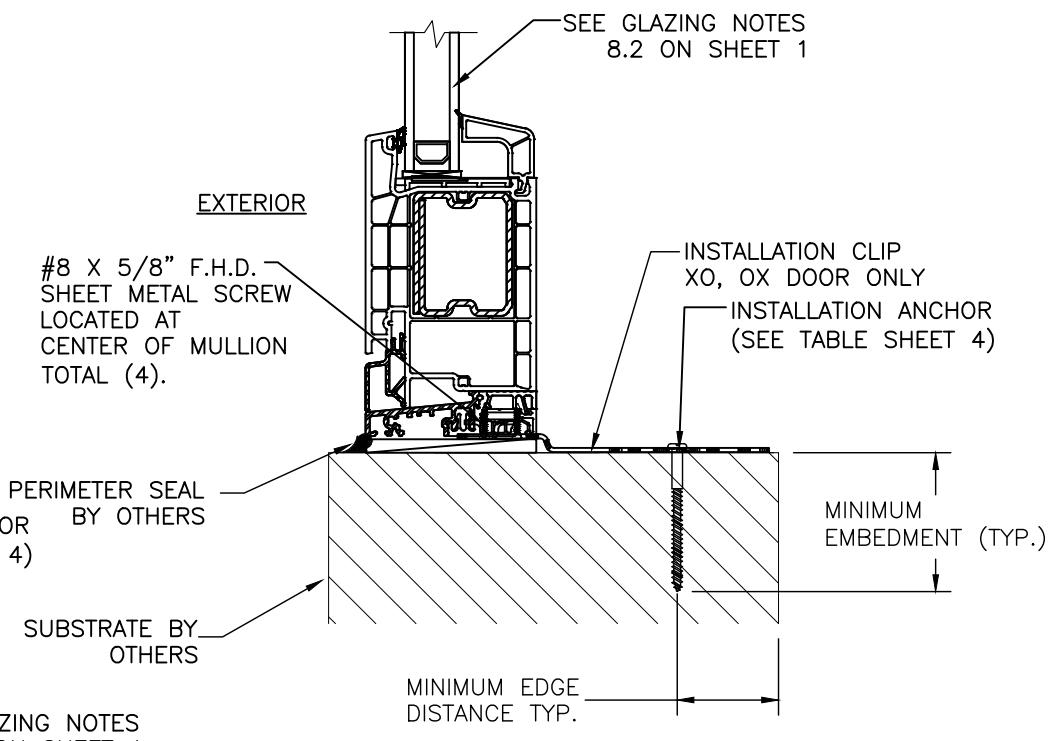


F
7 **ANCHOR DETAIL**
INSTALLATION CLIP
FIXED JAMB

OX-XO DOOR ANCHORAGE
ANCHOR STRAP DETAILS



E
7 **ANCHOR DETAIL**
INSTALLATION CLIP
FIXED FRAME HEAD



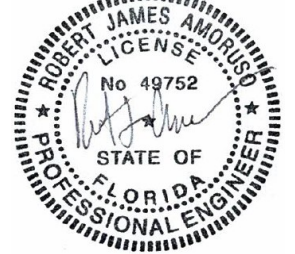
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7 **ANCHOR DETAIL**
INSTALLATION CLIP
FIXED FRAME SILL

KOMMERLING USA, INC.
3402 STANWOOD BLVD. NE.
HUNTSVILLE, AL 35811

REVISION DESCRIPTION	DATE			
	BY			
	NO.			

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DWN BY:	JM
CHK BY:	RJA
SCALE:	NONE

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SHT:	7 of 9

SERIES 76MD INSWING ENTRY DOOR, NON-IMPACT
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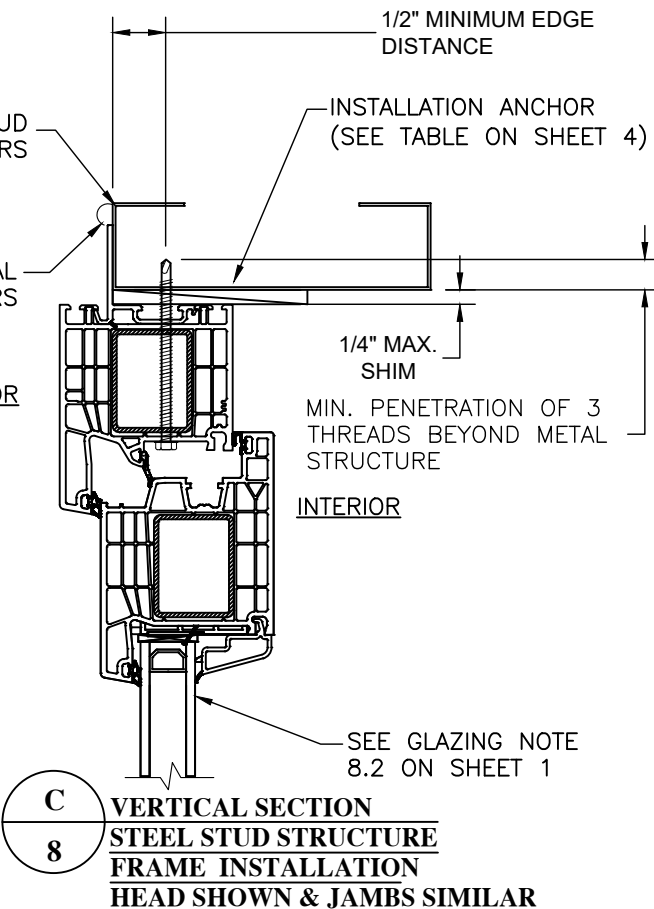
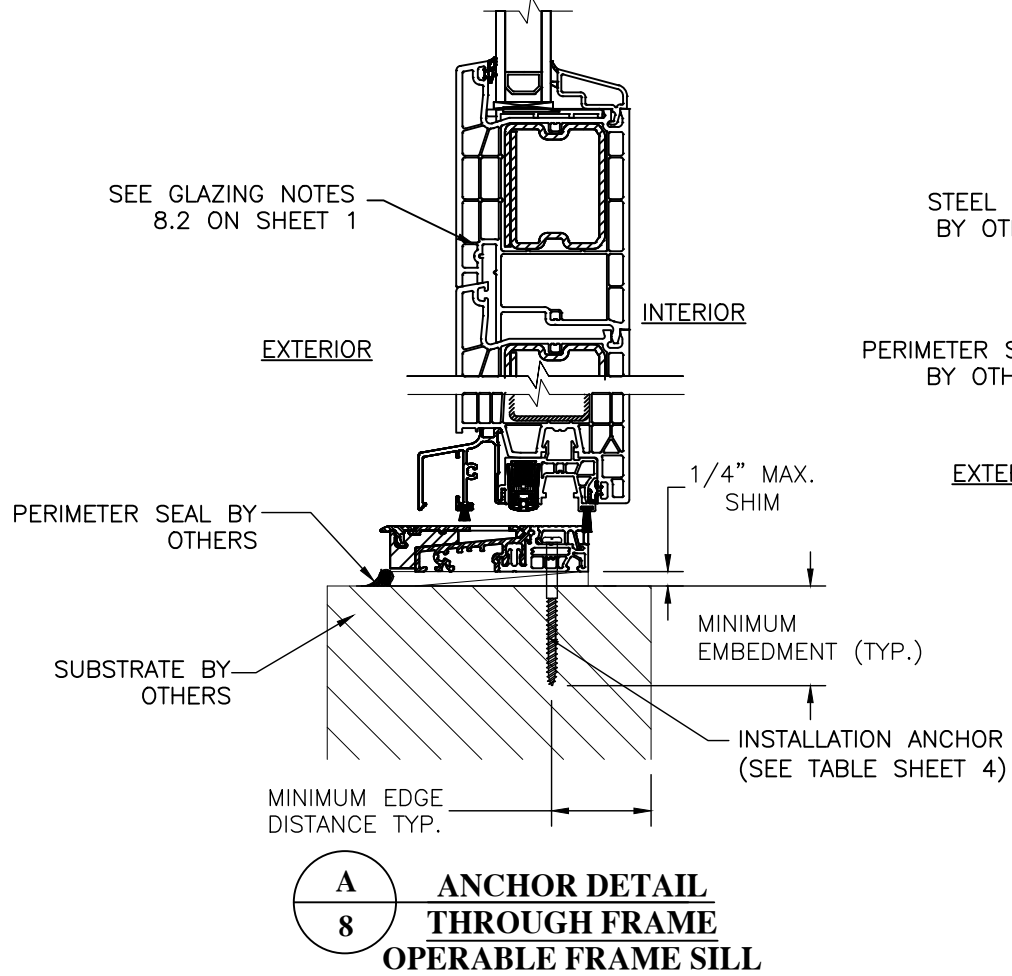
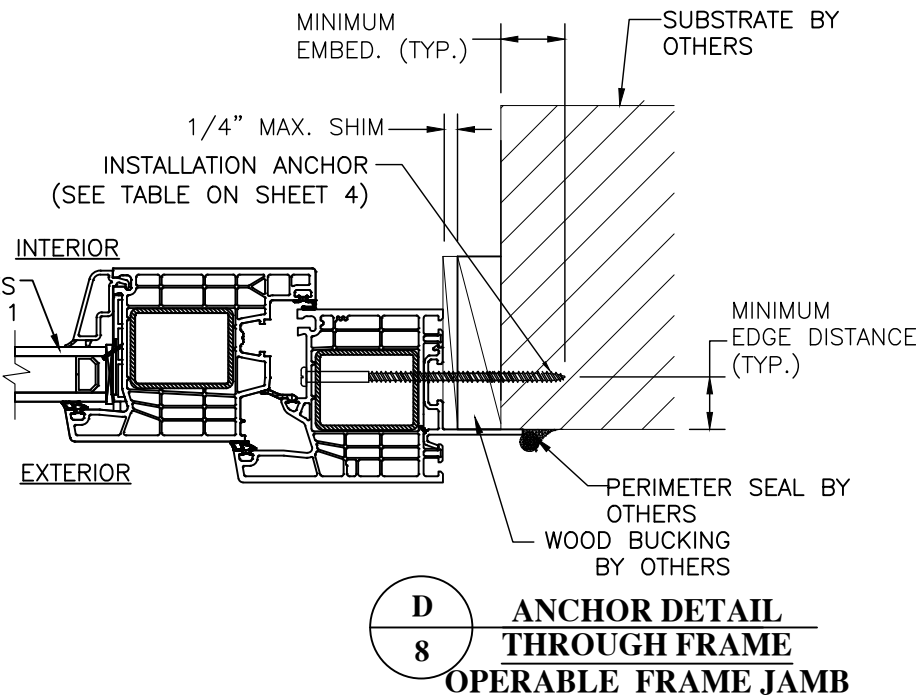
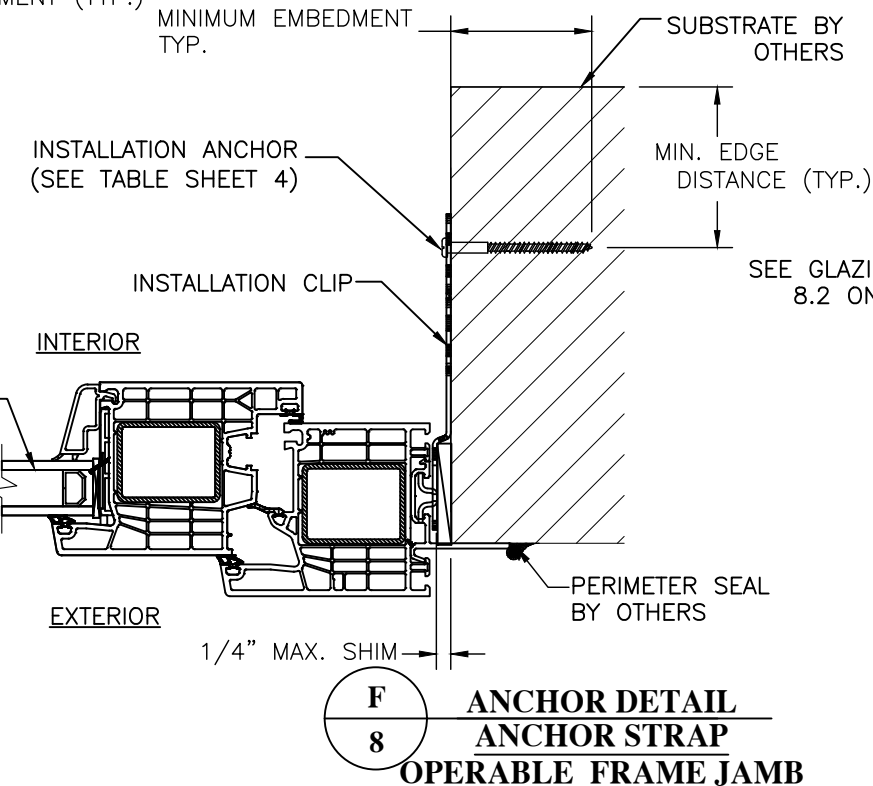
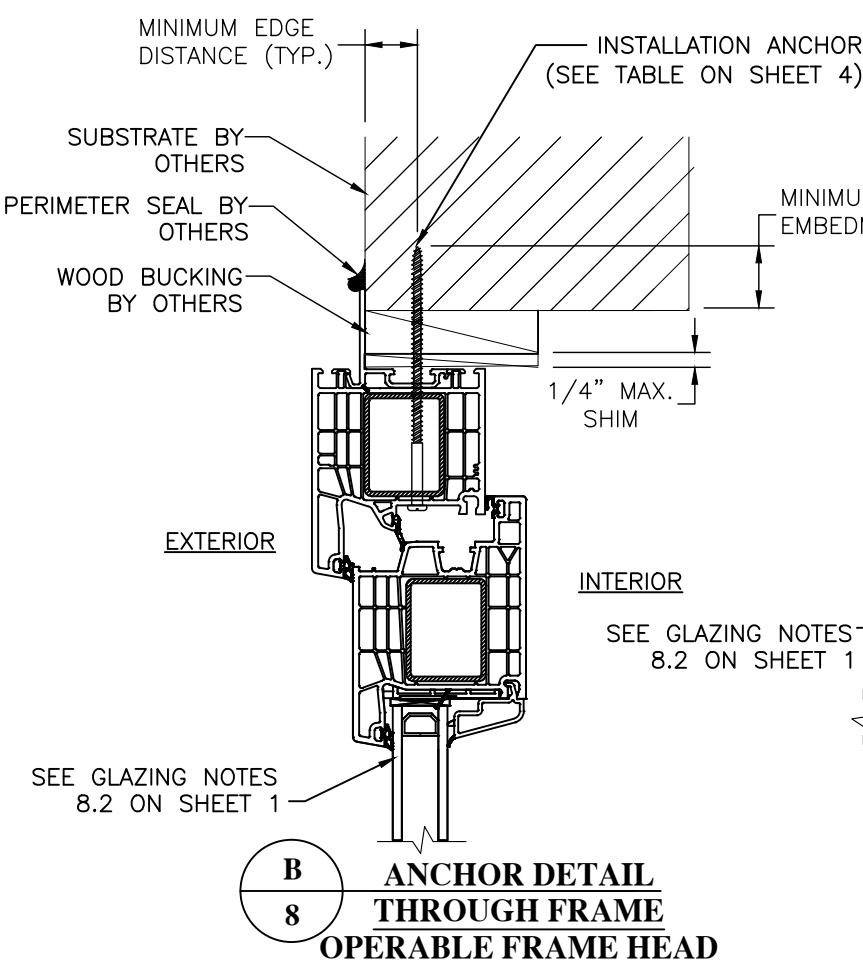
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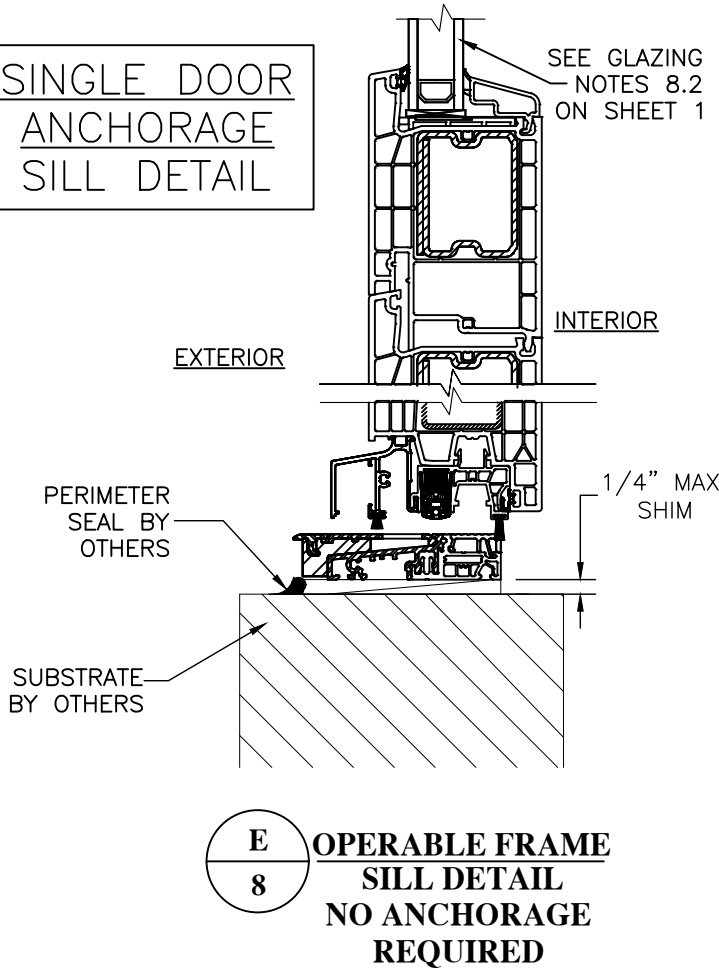
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PROJECT#:	ACE-2025-208
DWG/REV:	SCS-0048, Rev 0
SHT:	8 of 9

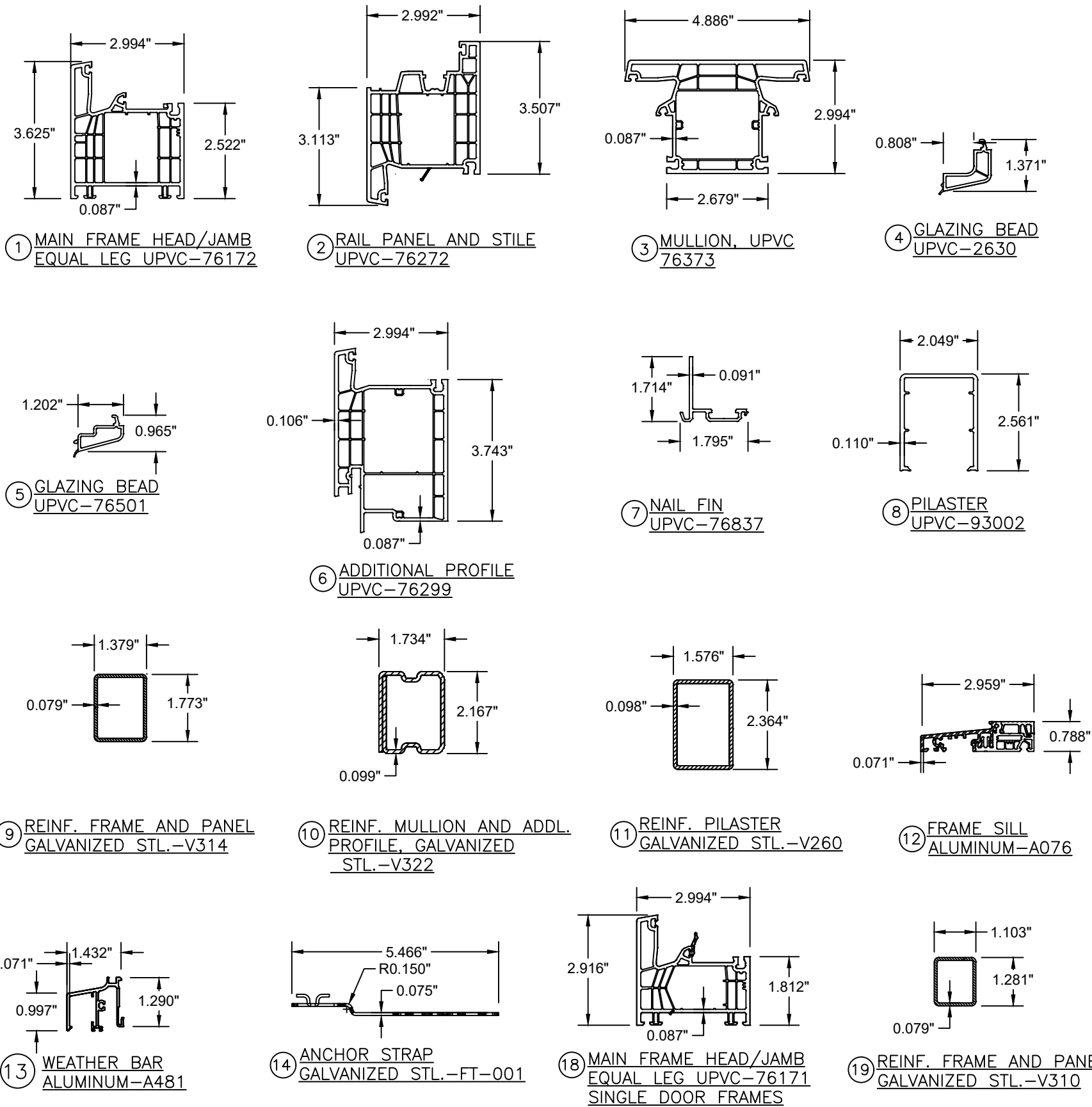
OX-XO DOOR ANCHORAGE
ANCHOR THROUGH FRAME
AND STRAP DETAILS



SINGLE DOOR
ANCHORAGE
SILL DETAIL



BILL OF MATERIALS			
QUANTITY	PART NO.	DESCRIPTION	MANUFACTURER
1	76172	MAIN FRAME HEAD AND JAMB, UPVC	PROFINE
2	76272	PANEL RAIL / STILE, UPVC	PROFINE
3	76373	MULLION, UPVC	PROFINE
4	2630	GLAZING BEAD, UPVC	PROFINE
5	76501	GLAZING BEAD, UPVC	PROFINE
6	76299	ADDITIONAL PROFILE, UPVC	PROFINE
7	76837	NAIL FIN, UPVC	PROFINE
8	93002	PILASTER, UPVC	PROFINE
9	V314	STL. REINF. FRAME AND PANEL, GALV. STL.	PURCHASE
10	V322	STL. REINF. ADD. PROFILE AND MULLION, GALV. STL.	PURCHASE
11	V260	STL. REINF. PILASTER, GALV. STL.	PURCHASE
12	A076	FRAME SILL, ALUMINUM	PROFINE
13	A481	WEATHER BAR, ALUMINUM	PURCHASE
14	9091	SEAL WEATHER BAR	PURCHASE
15	Z144	GROOVE ADAPTER	PURCHASE
16	A067	ALUMINUM CLADDING	PURCHASE
17	FT-001	ANCHOR STRAP, GALV. STL. 0.075" THICK	PURCHASE
18	76171	MAIN FRAME HEAD AND JAMB, UPVC SINGLE DOORS	PROFINE
19	V310	STL. REINF. FRAME AND PANEL, GALV. STL.-SINGLE DOORS	PURCHASE
20		#14 WOOD SCREW	PURCHASE
21		1/4 DIAM. TAPCON ANCHOR	PURCHASE
22		#10 SELF TAPPING TEK SCREW	PURCHASE



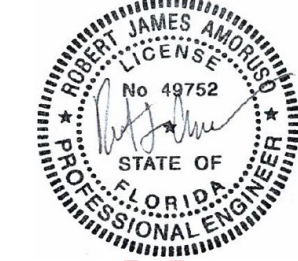
KOMMERLING USA, INC.
3402 STANWOOD BLVD. NE.
HUNTSVILLE, AL 35811

SERIES 76MD INSWING ENTRY DOOR, NON-IMPACT
INSTALLATION ANCHORAGE DETAILS

REVISION DESCRIPTION	DATE				
	BY				
	NO.				

DATE: 12/09/2025	DWN BY: JM	CHK BY: RJA	SCALE: NONE
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ROBERT J. AMORUSO, P.E. #49752
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Digitally signed by
Robert J Amoruso
Date: 2026.02.02
17:40:25 -05'00'