

KOMMERLING USA, INC
SERIES 76AD OUTSWING 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-2569T0012.02 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 6 OF 6.

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.
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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4 - 5	ANCHOR DETAILS
6	B.O.M. , COMPONENTS & GLAZING DETAIL

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

NOTES:

1. 1LIMITED 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 3 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 4 AND 5 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.

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

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.

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

DATE: 12/29/2025	DWN BY: JM	CHK BY: RJA	SCALE: NONE
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ROBERT J. AMORUSO, P.E. #49752
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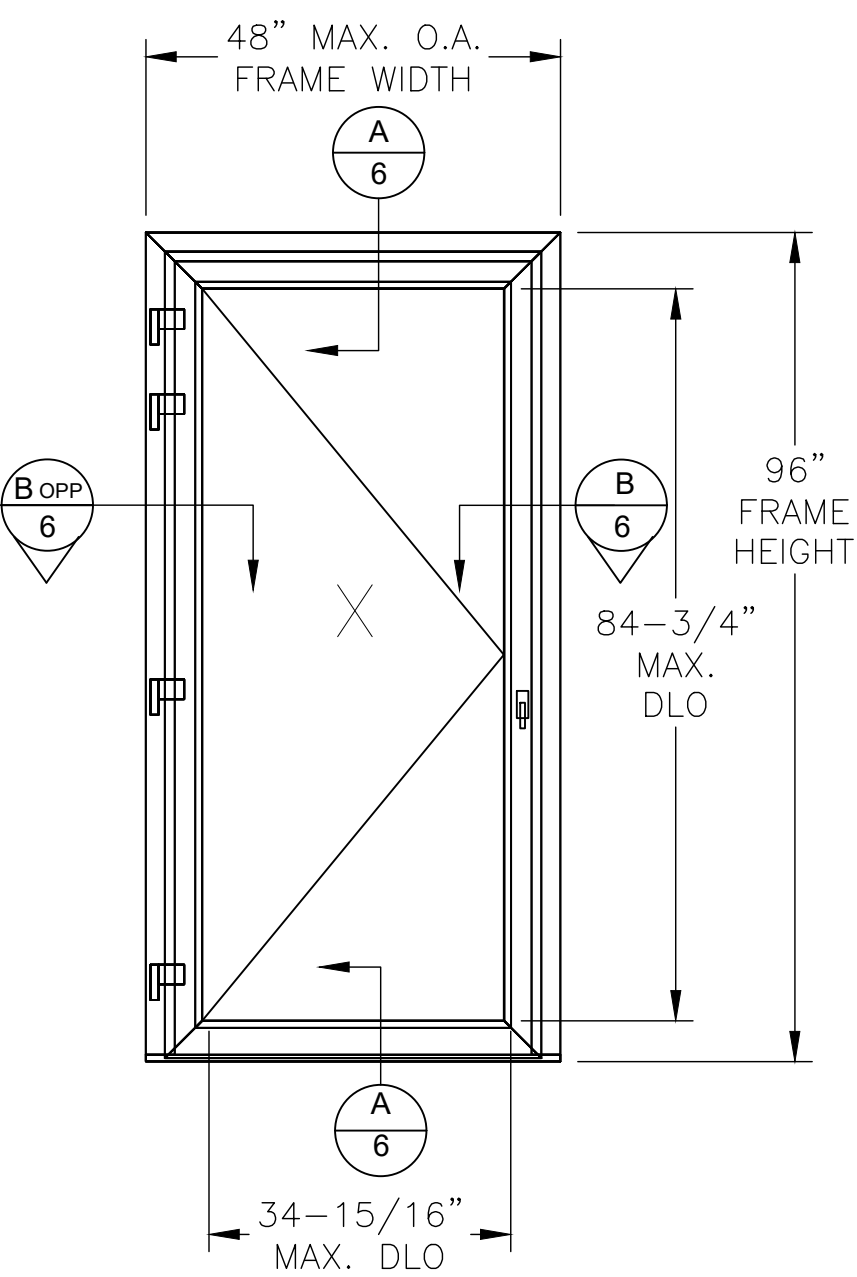
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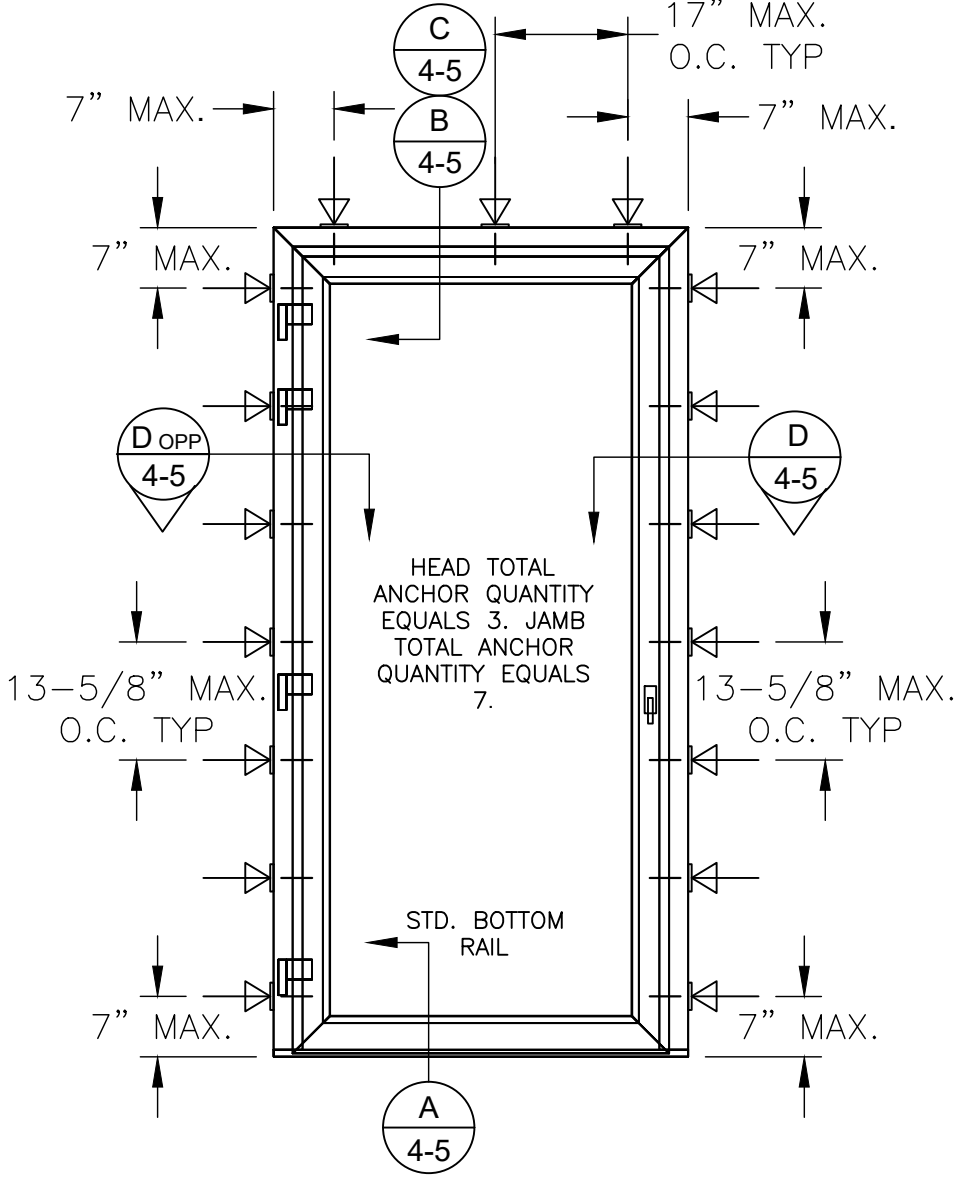
SHT: 1 of 6

SINGLE DOOR ELEVATION
INSTALLATION ANCHOR SCHEDULE



ELEVATION LAYOUT
76AD SINGLE ENTRY DOOR
STANDARD BOTTOM RAIL

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



ANCHOR LAYOUT
ANCHOR THROUGH FRAME
AND STRAP INSTALLATION

—> = STRAP ANCHOR
— = FRAME ANCHOR

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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.							

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ANCHOR STRAP ANCHOR DETAIL

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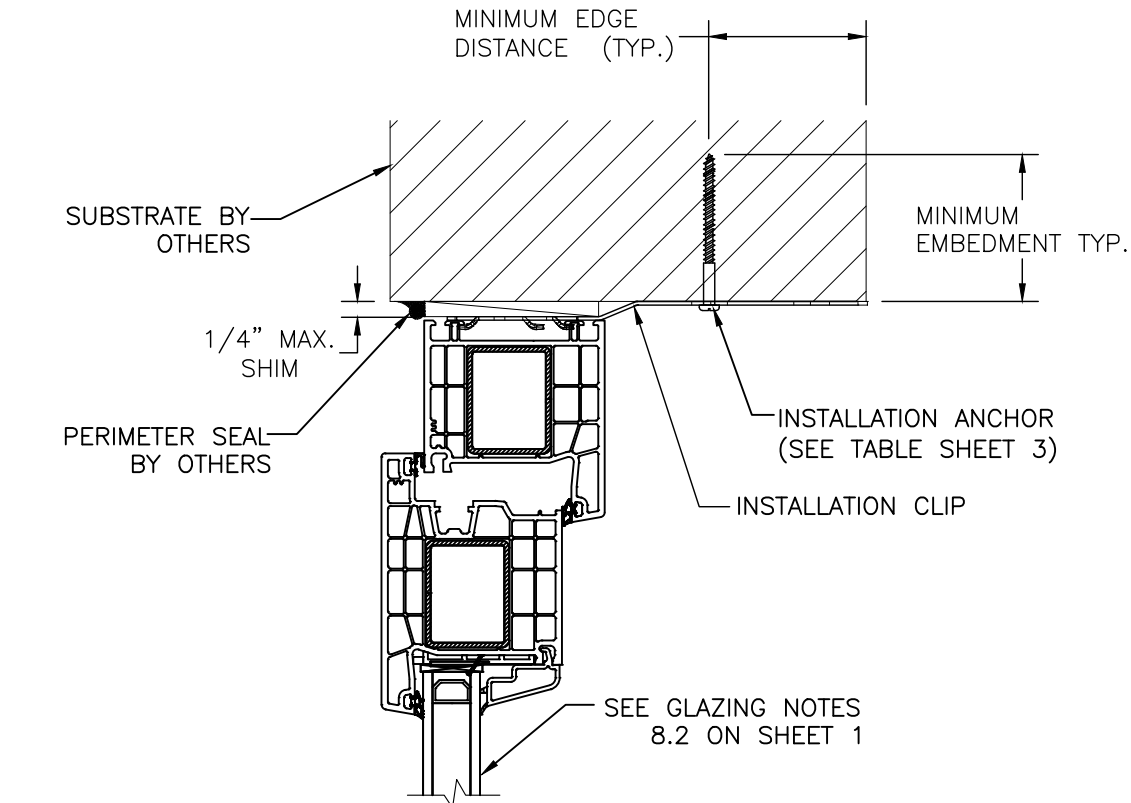
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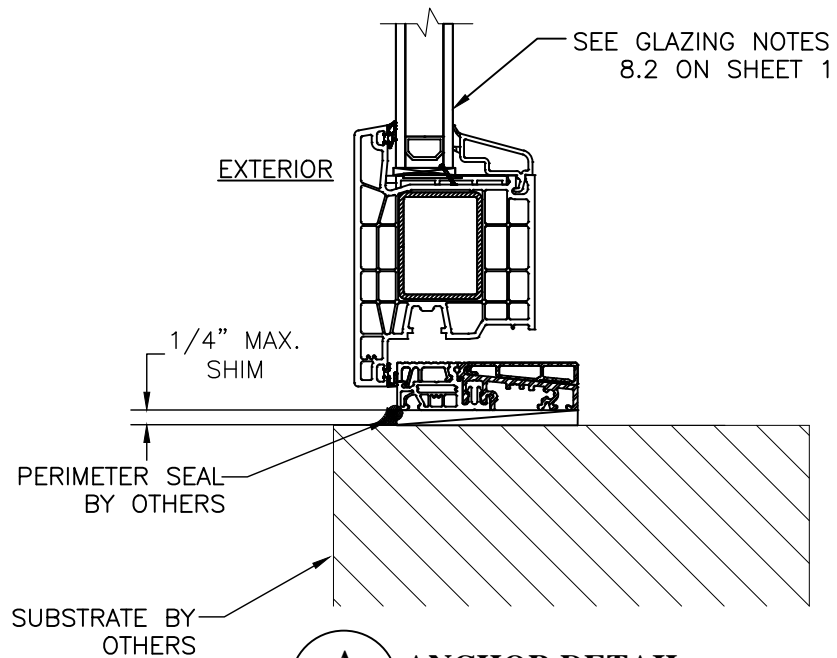


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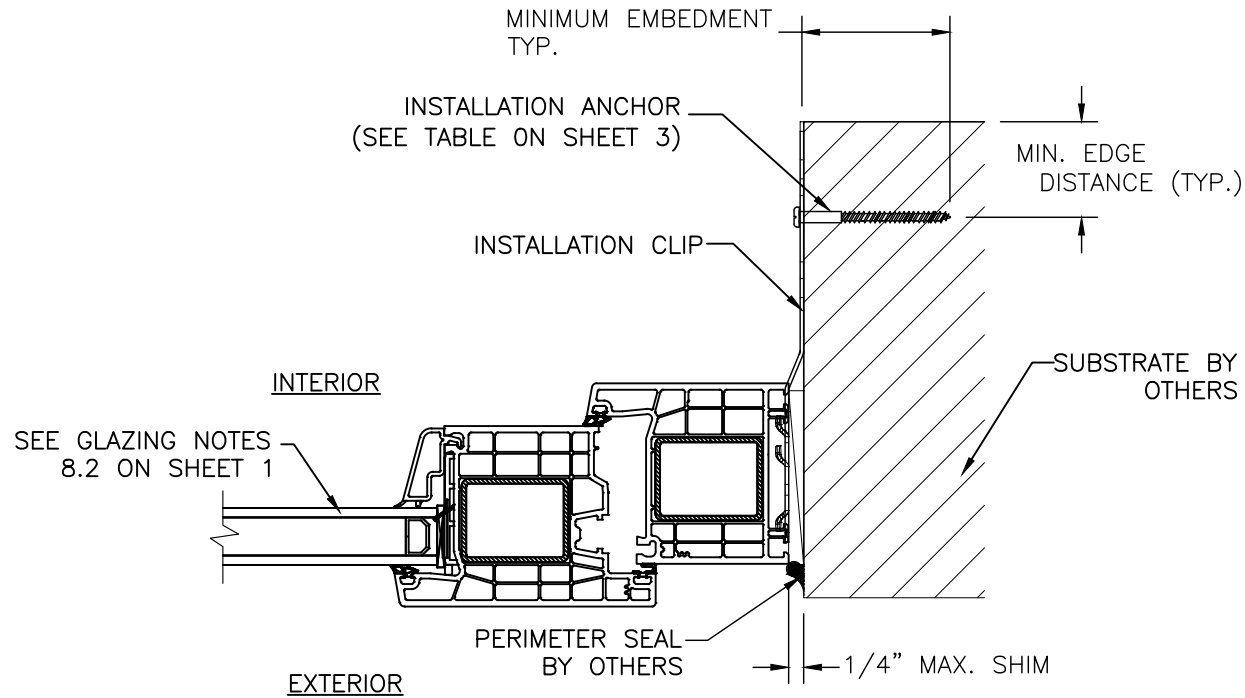
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SHT:	4 of 6



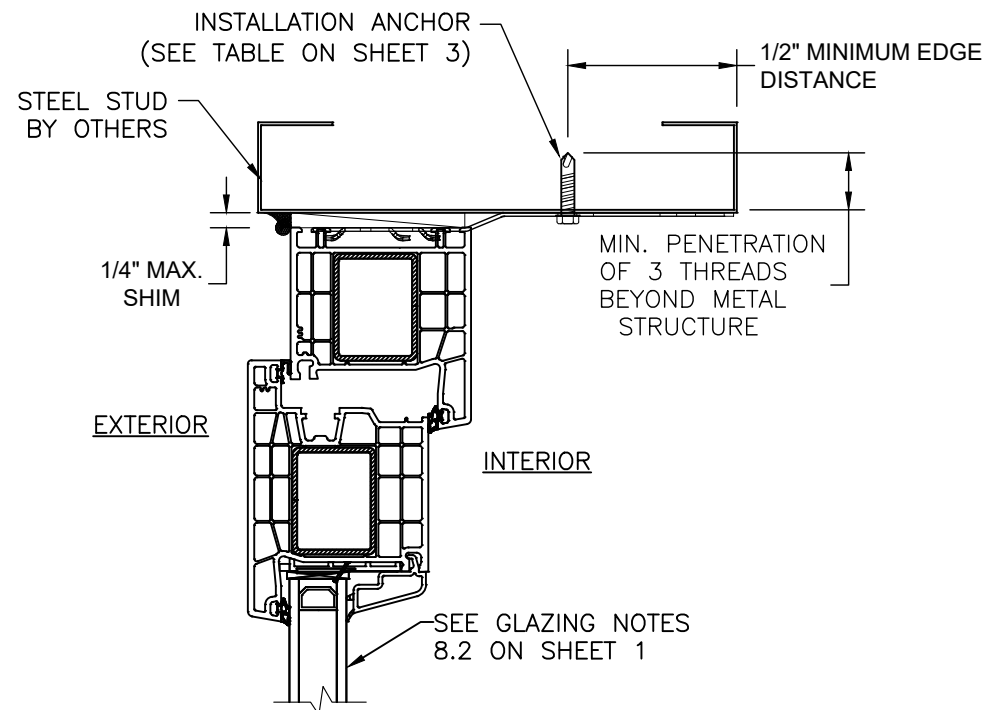
B
4 ANCHOR DETAIL
INSTALLATION CLIP
FRAME HEAD



A
4 ANCHOR DETAIL
FRAME SILL

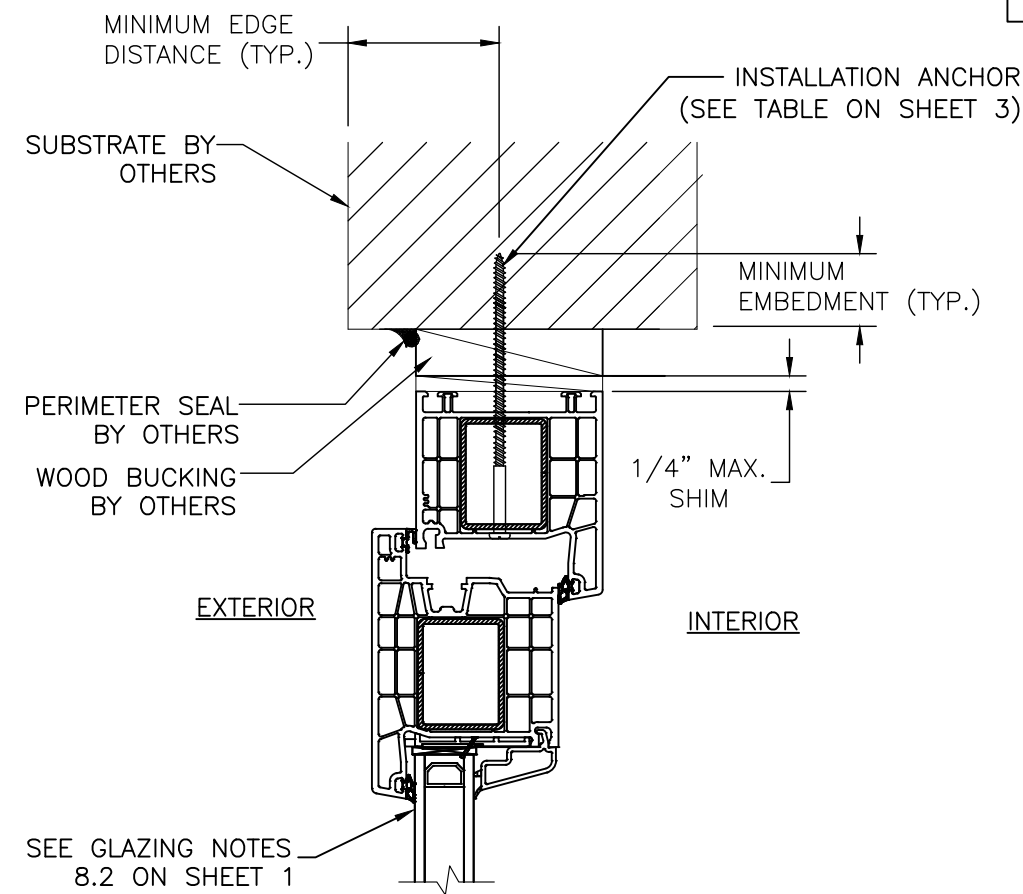


D
4 ANCHOR DETAIL
INSTALLATION CLIP
FRAME JAMB

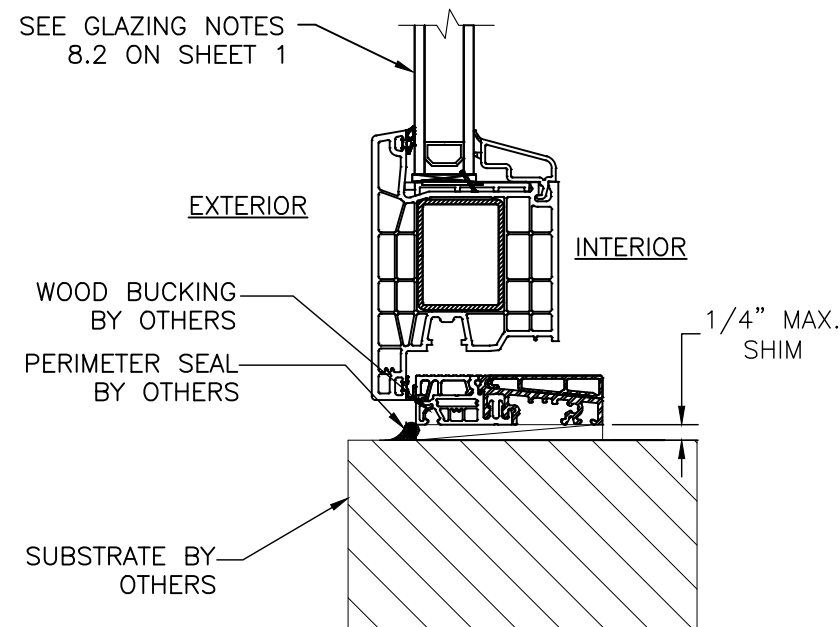


C
4 VERTICAL SECTION
STEEL STUD STRUCTURE
CLIP INSTALLATION
HEAD SHOWN, SILL & JAMBS
SIMILAR

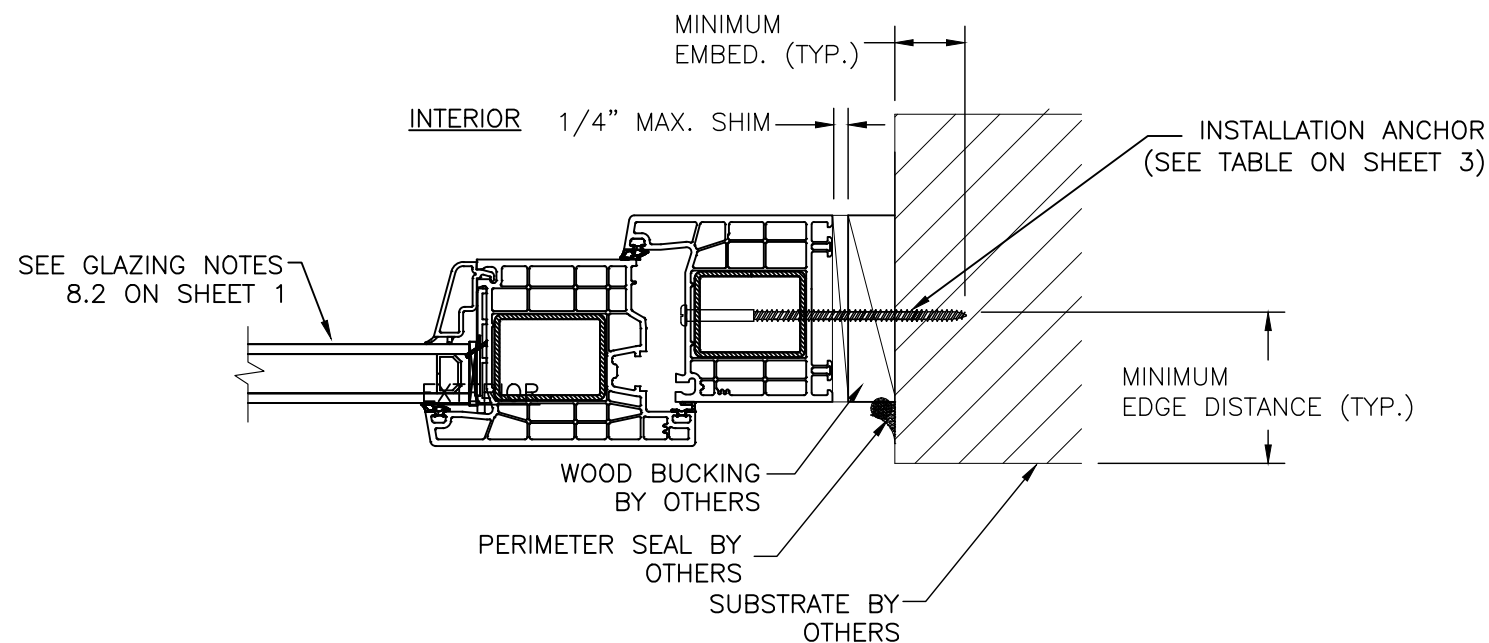
THROUGH FRAME (RETROFIT) ANCHOR DETAIL



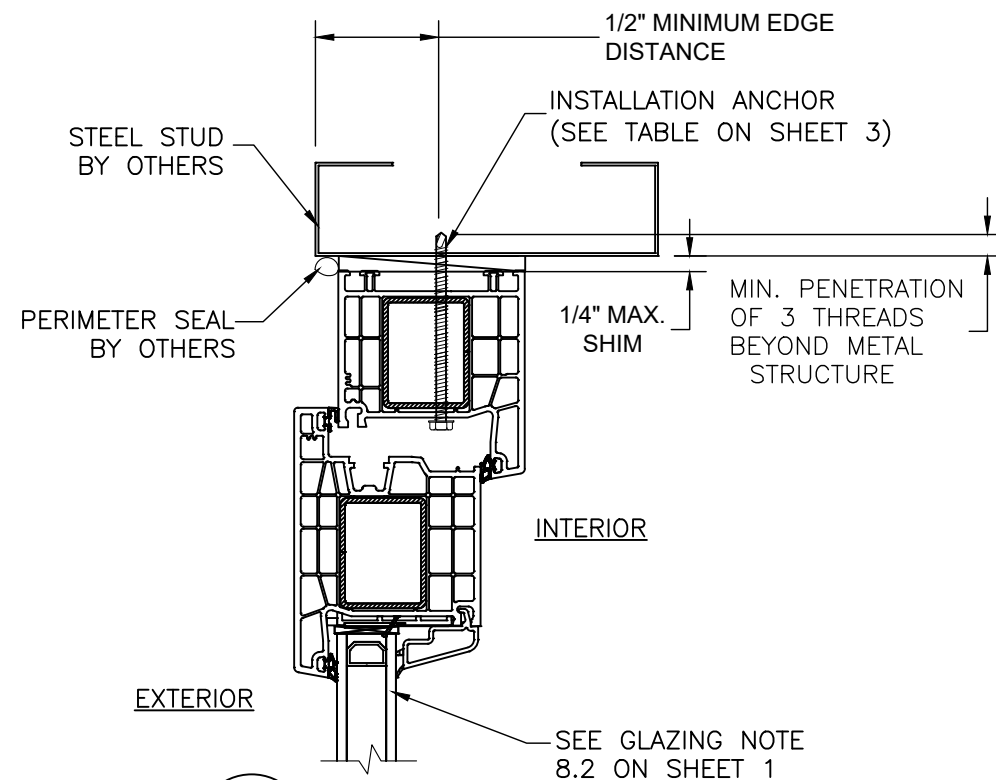
B
5 **ANCHOR DETAIL**
THROUGH FRAME
FRAME HEAD



A
5 **ANCHOR DETAIL**
THROUGH FRAME
FRAME SILL



D
5 **ANCHOR DETAIL**
THROUGH FRAME
FRAME JAMB



C
5 **VERTICAL SECTION**
STEEL STUD STRUCTURE
FRAME INSTALLATION
HEAD SHOWN & JAMBS SIMILAR

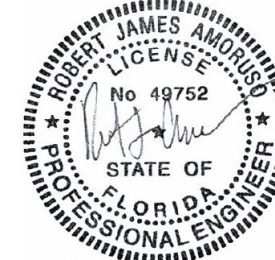
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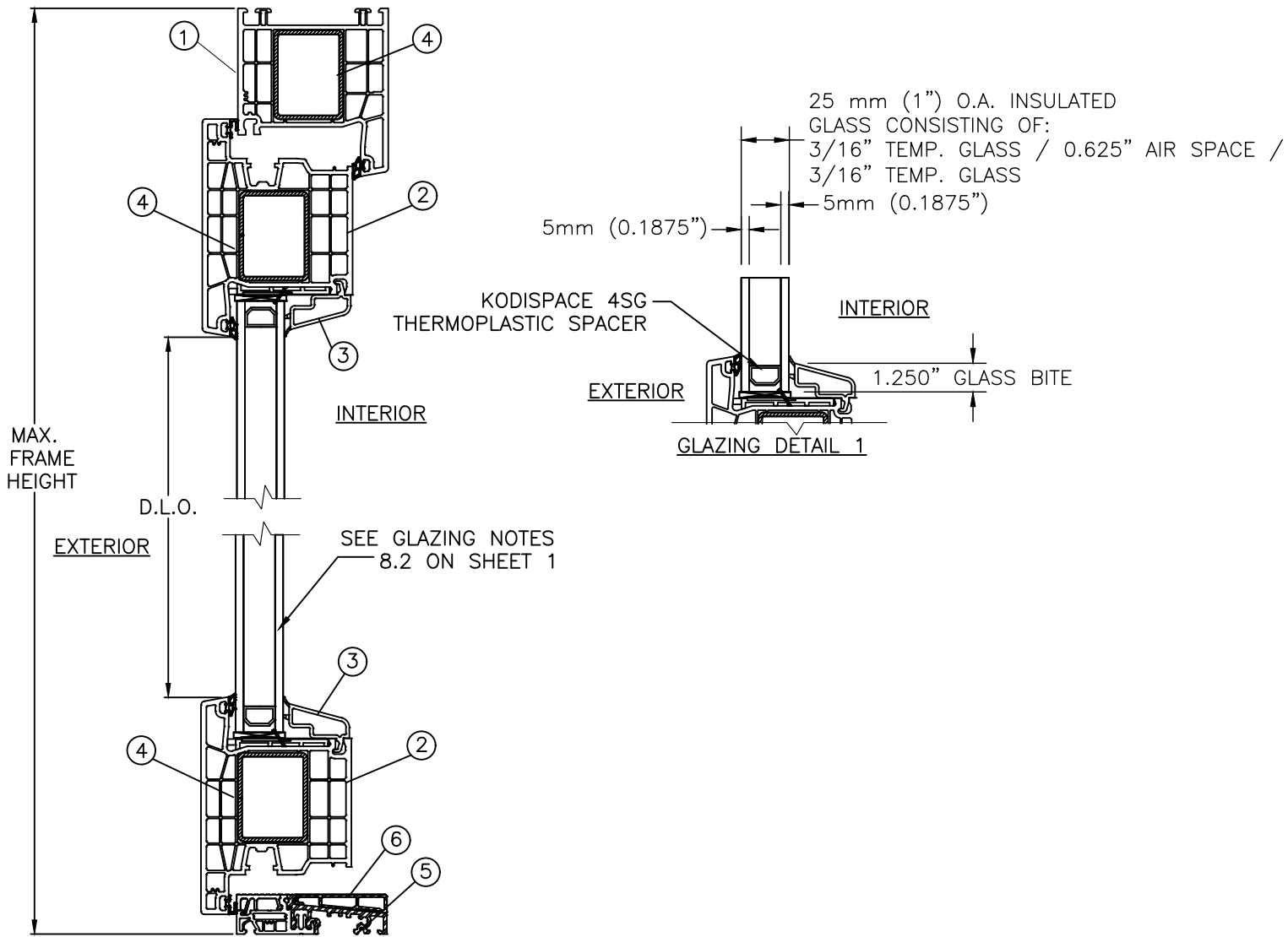
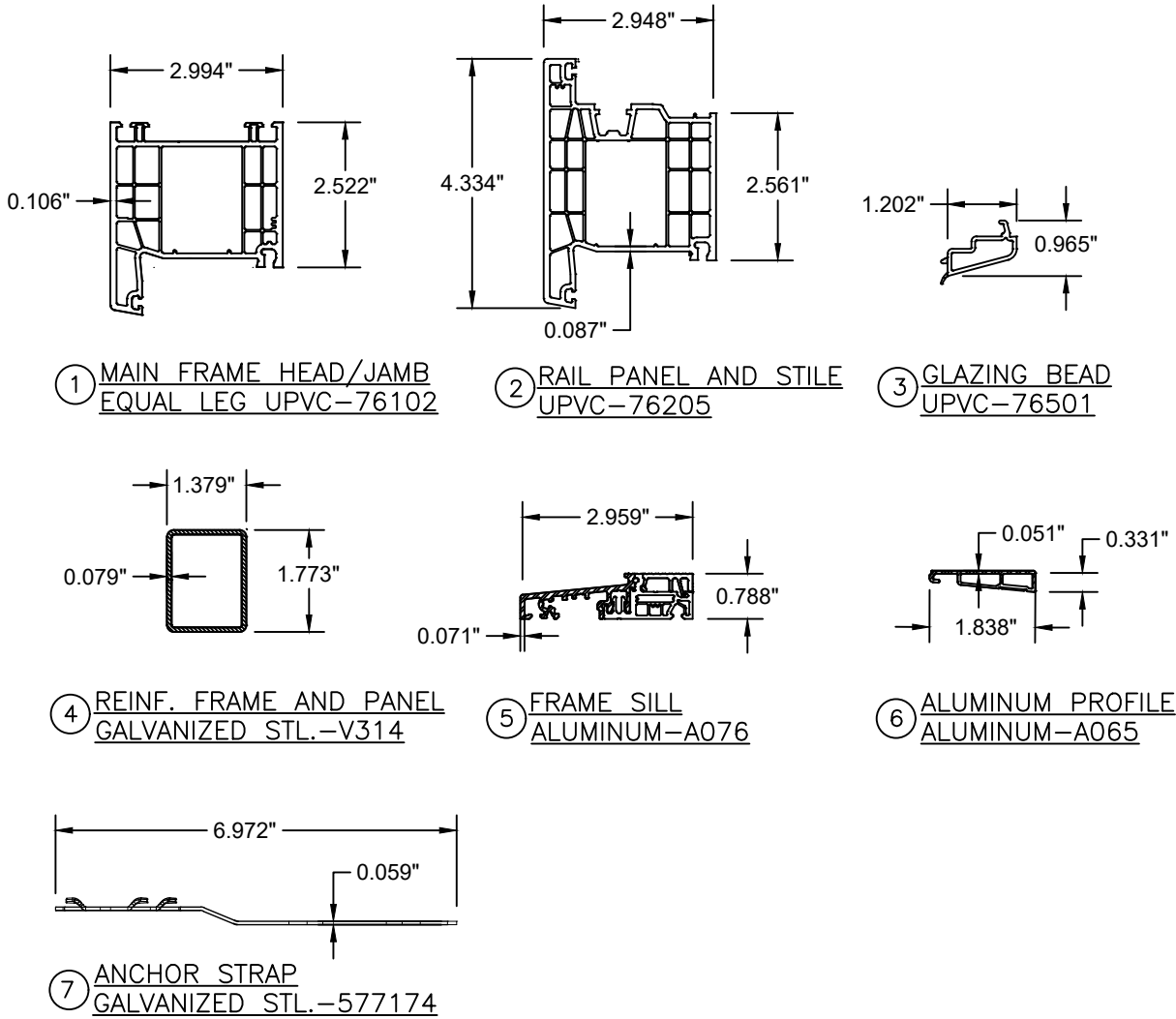
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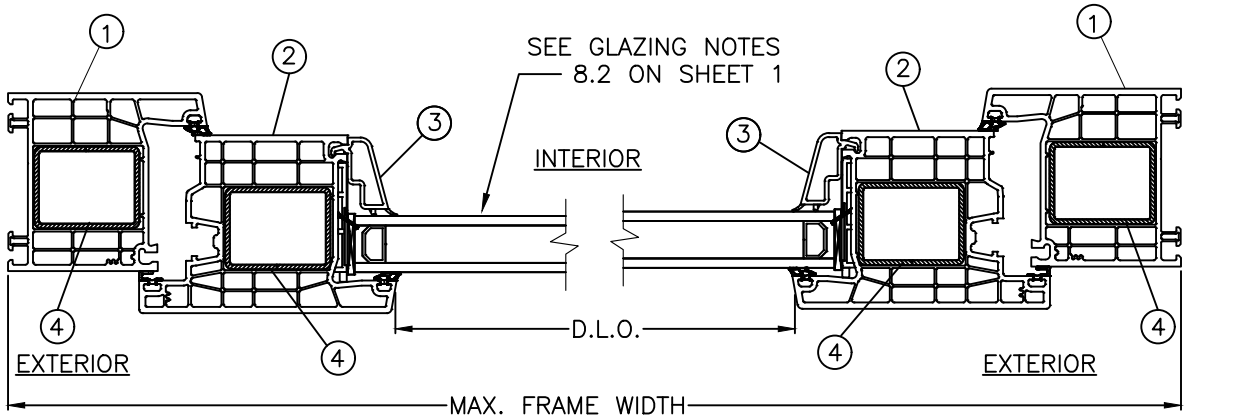
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SHT: 5 of 6

BILL OF MATERIALS			
QUANTITY	PART NO.	DESCRIPTION	MANUFACTURER
1	76102	MAIN FRAME HEAD AND JAMB, UPVC	PROFINE
2	76205	PANEL RAIL / STILE, UPVC	PROFINE
3	76501	GLAZING BEAD, UPVC	PROFINE
4	V314	STL. REINF. FRAME AND PANEL, GALV. STL.	PURCHASE
5	A076	FRAME SILL, ALUMINUM	PROFINE
6	A065	ALUMINUM PROFILE	PURCHASE
7	577174	ANCHOR STRAP, GALV. STL. 0.060" THICK	PURCHASE
8		#14 WOOD SCREW	PURCHASE
9		1/4 DIAM. TAPCON ANCHOR	PURCHASE
10		#10 SELF TAPPING TEK SCREW	PURCHASE



A
6
VERTICAL SECTION
OPERABLE PANEL



BOPP
6
HORIZ. SECTION
FRAME JAMB

B
6
HORIZ. SECTION
FRAME JAMB

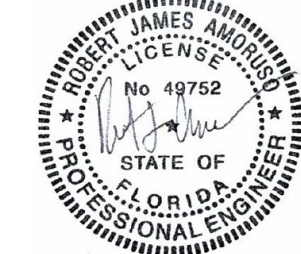
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