

REHAU S.A. de C.V.

SERIES 190 HORIZONTAL SLIDING WINDOW

OX-XO, VINYL, NON-IMPACT, NON-HVHZ

GENERAL NOTES:

1. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORTS BY INTERTEK TEST REPORT NO. Q8567.01-109-44. PERFORMANCE STANDARD USED IN TESTING WAS AAMA/WDMA/CSA 101/I.S.2/A440-22.
2. THIS PRODUCT CANNOT BE USED IN 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
8. GLAZING:

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

8.2. SEE GLAZING DETAILS ON SHEET 5 OF 5.

8.3. THE IGU WAS SET FROM THE EXTERIOR ONTO A BED OF SEALANT AND SECURED IN PLACE WITH VINYL SNAP-IN GLAZING BEADS.

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

8.5. FOR PRODUCTS SMALLER THAN THE TESTED SPECIMEN, GLAZING IS PERMITTED TO BE THINNER AND/OR WEAKER THAN THAT SHOWN ON GLAZING DETAIL A, SHEET 5 IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-17, SECTION 10.2.3.3.1. IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-17, SECTION 10.2.3.4.1, PRODUCTS TESTED WITH INSULATING GLAZING SHALL NOT QUALIFY THAT PRODUCT WHEN GLAZED WITH SINGLE GLAZING.
9. DESIGNATION "0" STANDS FOR FIXED LITE AND "X" FOR OPERABLE SASH.
10. THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
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2	ELEVATION & INSTALLATION ANCHOR SCHEDULE
3	ANCHOR ELEVATION LOCATIONS
4	ANCHOR DETAILS
5	BILL OF MATERIALS & GLAZING DETAIL

PERFORMANCE RATING			
MAXIMUM WINDOW SIZE	INSTALLATION TYPE	DESIGN PRESSURE (PSF)	IMPACT RATING
72" x 60" (OX-XO)	FIN FRAME (NAILING FIN)	+/- 25	NONE

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 2 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 SHEET 4 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 3.

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

5.3. FOR WINDOW 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 2.
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. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS (WHEN APPLICABLE) AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE *INSTALLATION ANCHOR SCHEDULE* ON SHEET 2.

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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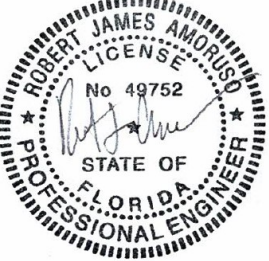
SERIES 190 HORIZONTAL SLIDING WINDOW

INSTALLATION ANCHORAGE DETAILS

REVISION DESCRIPTION	DATE				
	BY				
	NO.				

DATE: 09/04/2025	DWN BY: JM	CHK BY: RJA	SCALE: NONE
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PROJECT#:	ACE-2025-205
DWG/REV:	SCS-0045, Rev 0
SHT:	1 of 5

72" MAX. O.A.
FRAME WIDTH

54" MAX. DLO

60" FRAME HEIGHT

56-3/4" MAX. DLO

31-5/8" MAX. DLO

32-7/8" MAX. DLO

A
5

B
5

C
5

D
5

X

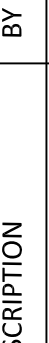
O

ELEVATION LAYOUT
HORIZONTAL SLIDING WINDOW
(INTERIOR VIEW)

SERIES 190 HORIZONTAL SLIDING WINDOW INSTALLATION ANCHORAGE DETAILS				
NO.	REVISION DESCRIPTION	BY	DATE	

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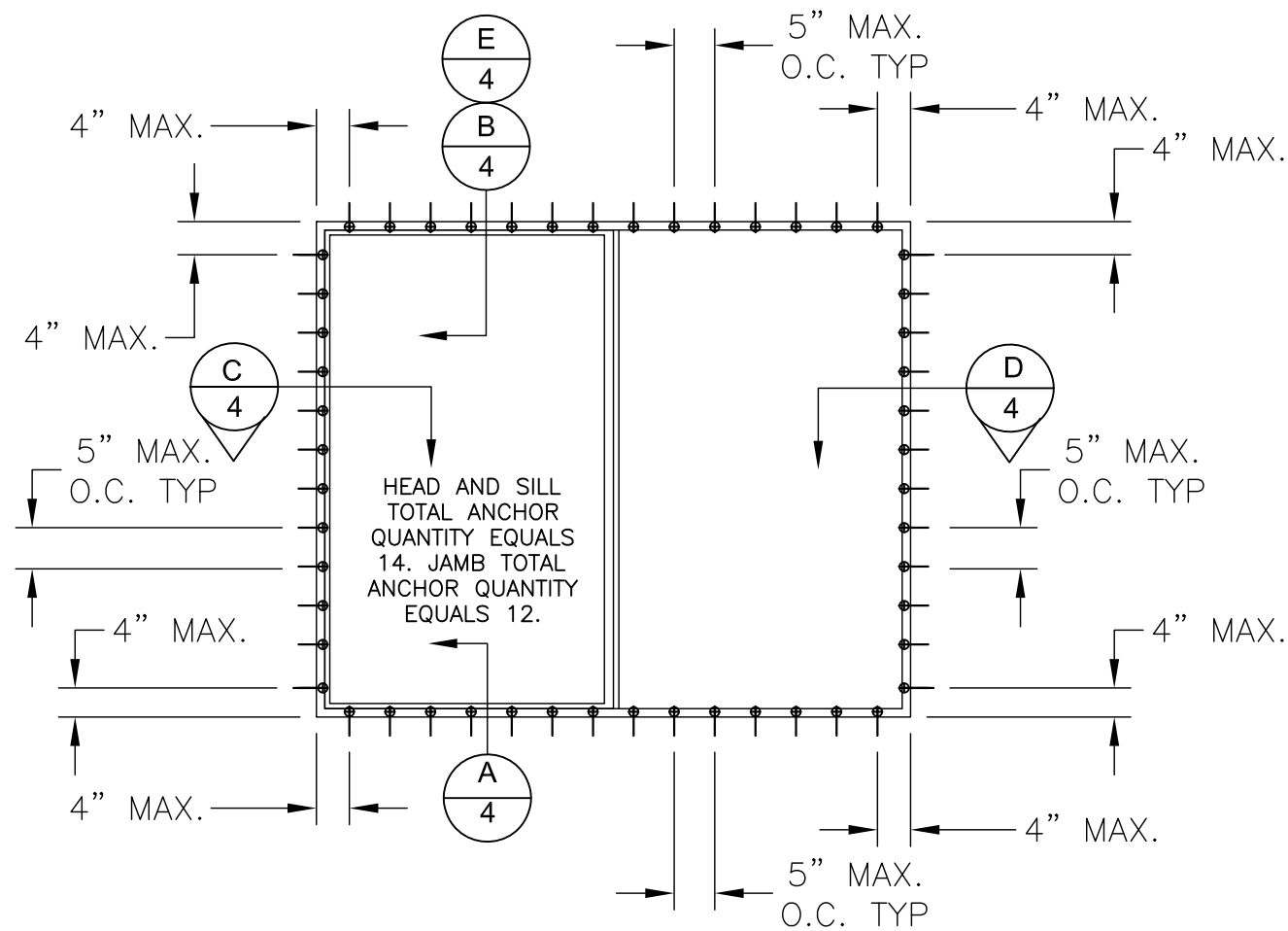
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SHT:	2 of 5

ANCHOR LAYOUT ELEVATIONS
FIN FRAME (NAILING FIN)



ANCHOR LAYOUT
NAILING FIN 72" X 60"
INSTALLATION

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

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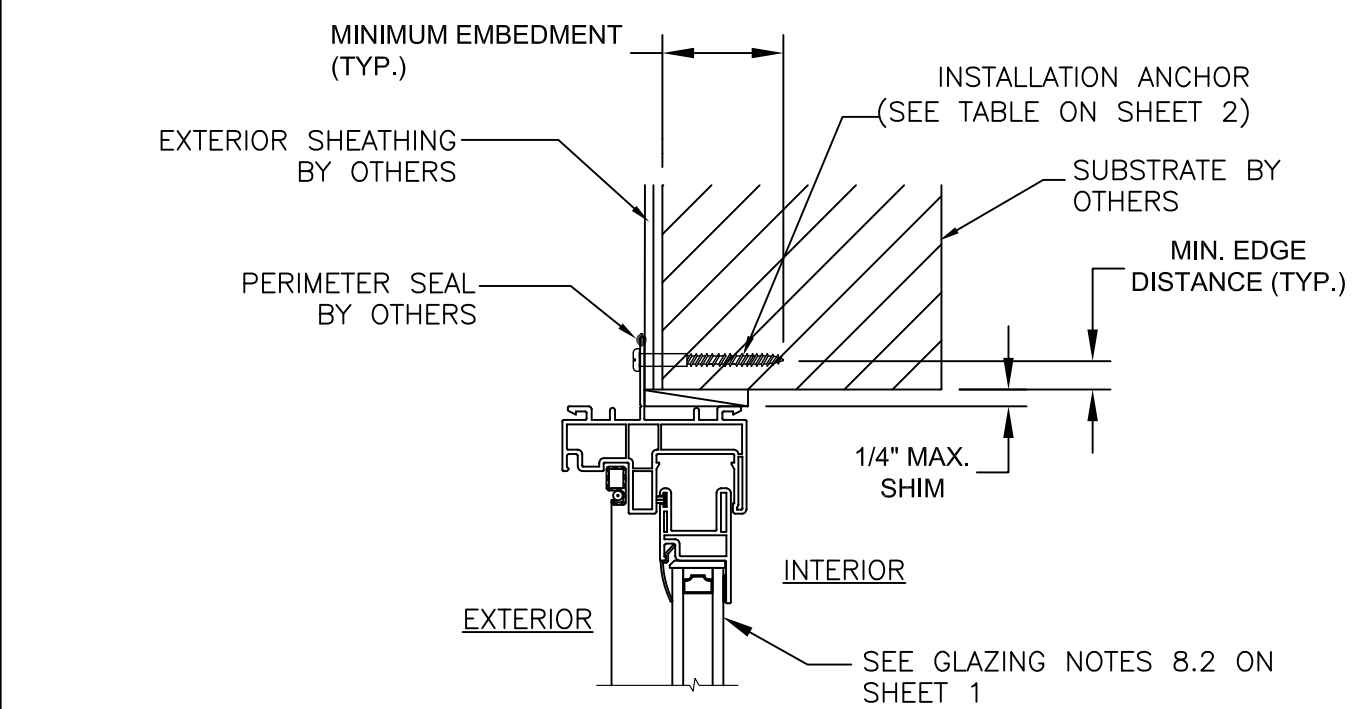
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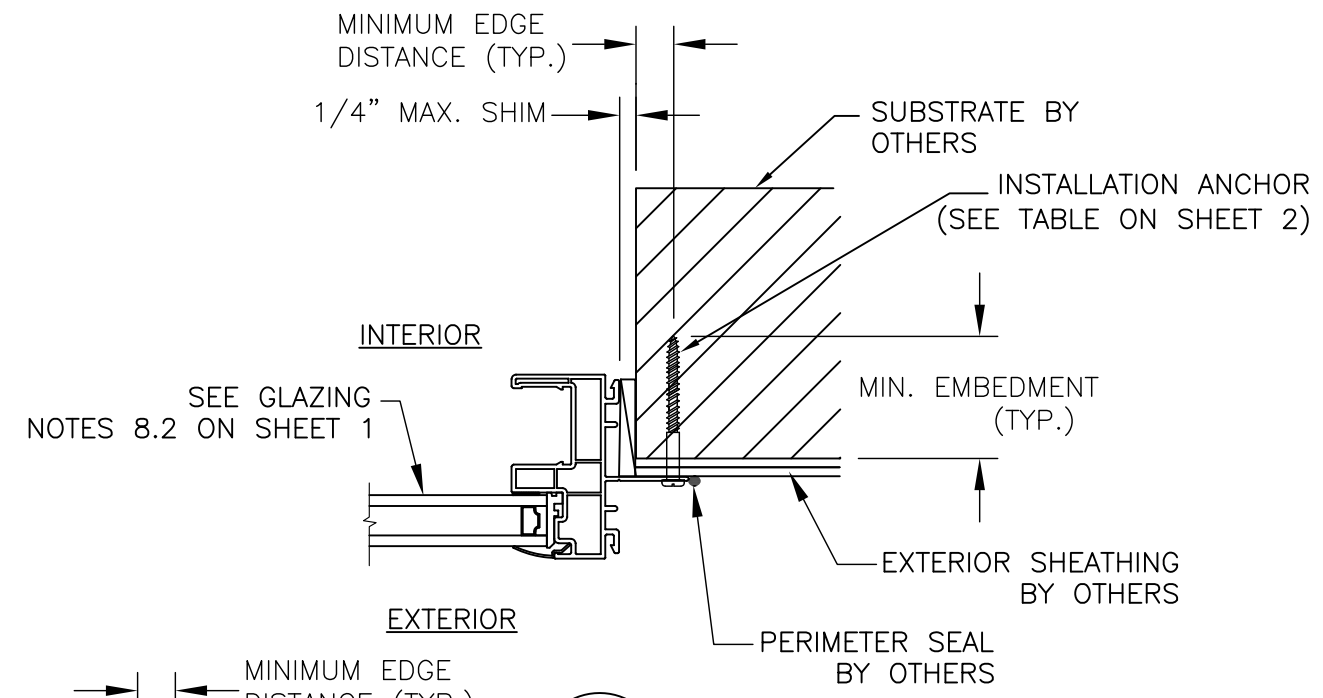
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SHT:	3 of 5



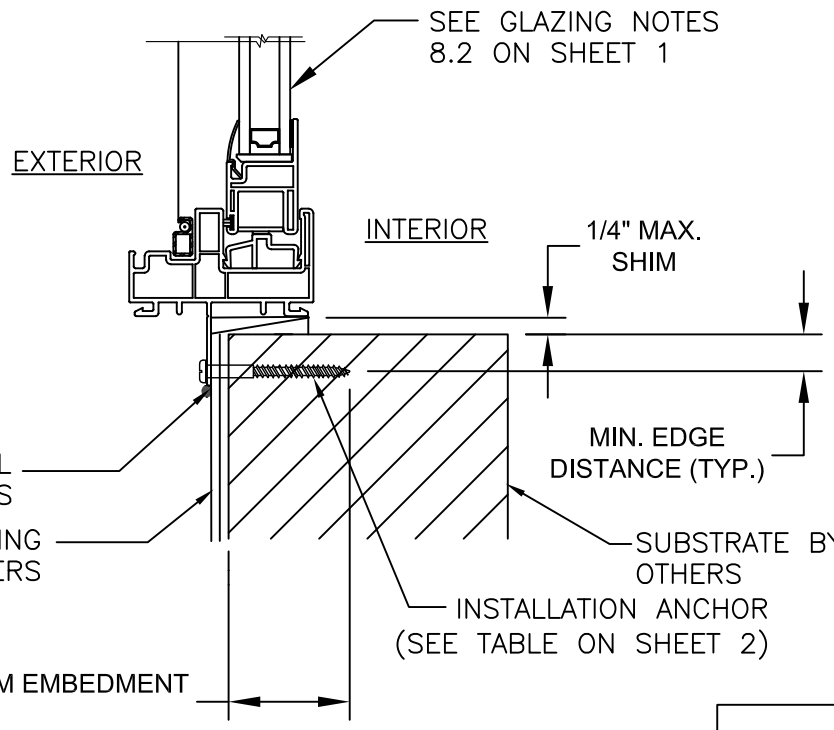
B
4

ANCHOR DETAIL
NAILING FIN
FRAME HEAD



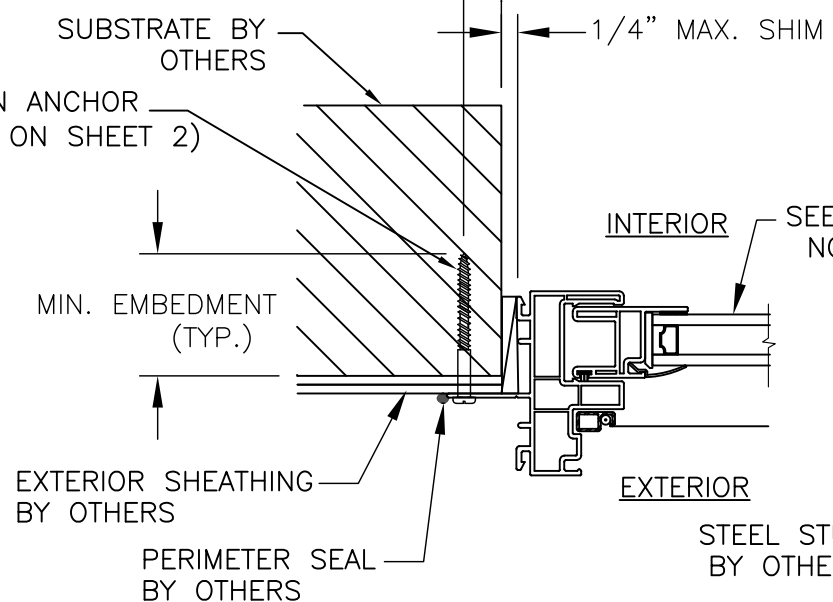
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ANCHOR DETAIL
NAILING FIN
STATIONARY JAMB



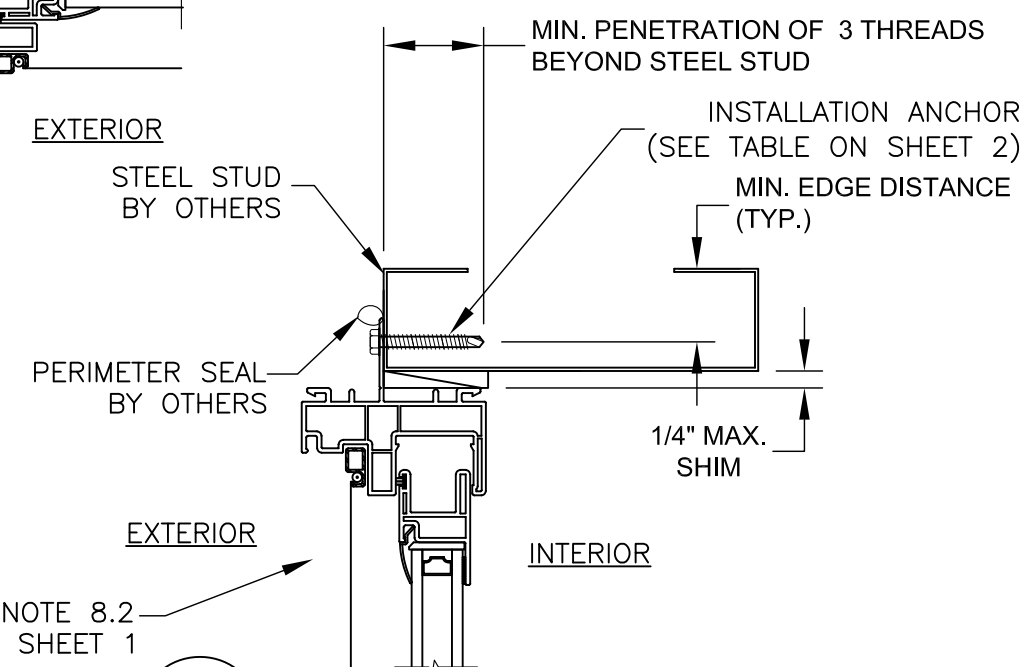
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ANCHOR DETAIL
NAILING FIN
FRAME SILL



D
4

ANCHOR DETAIL
NAILING FIN
OPERABLE JAMB



E
4

VERTICAL SECTION
STEEL STUD STRUCTURE
NAIL FIN INSTALLATION
HEAD SHOWN, SILL & JAMBS
SIMILAR

FIN FRAME
(NAILING FIN)
ANCHOR DETAIL

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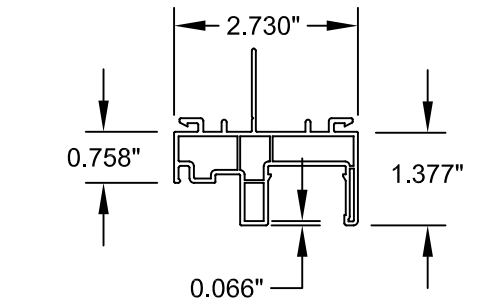
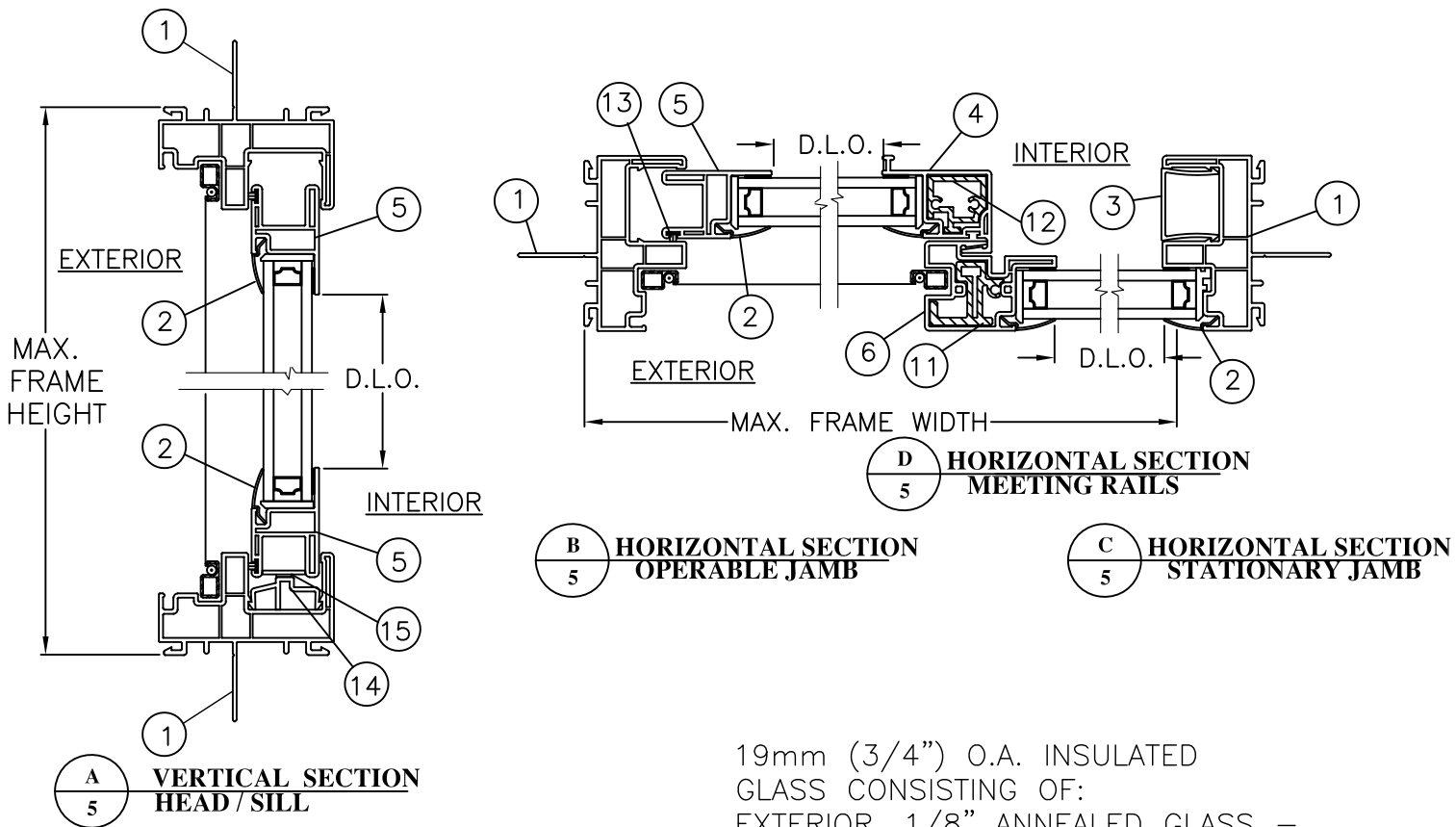
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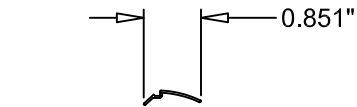
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SHT:	4 of 5

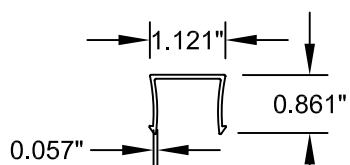
BILL OF MATERIALS			
ITEM	PART NO.	DESCRIPTION	MANUFACTURER
1	606004	FRAME WITH NAIL FIN, UPVC	REHAU
2	245504	GLAZING BEAD, UPVC	REHAU
3	500124	STOP/ COVER, UPVC	REHAU
4	606005	INTERLOCK/LIFT RAIL SASH, UPVC	REHAU
5	606007	COMMON SASH, UPVC	REHAU
6	606008	TRANSOM, UPVC	REHAU
7	-----	DRAIN CAP	PURCHASE
8	-----	SETTING BLOCK, UPVC	PURCHASE
9	-----	METAL LOCK ASSEMBLY	PURCHASE
10	-----	PLASTIC KEEPER	PURCHASE
11	612428	TRANSOM ALUM. REINFORCEMENT	PURCHASE
12	612429	INTERLOCK/LIFT RAIL AL. REINFORCEMENT	PURCHASE
13	-----	0.187" X 0.230" HIGH POLY-PILE W/FIN	PURCHASE
14	606009	SLIDER TRACK, UPVC	REHAU
15	-----	ROLLER ASSEMBLY	PURCHASE



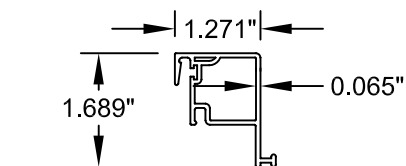
① FRAME WITH NAIL FIN
EQUAL LEG UPVC-606004



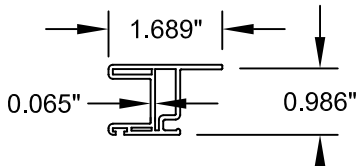
② GLAZING BEAD
UPVC-245504



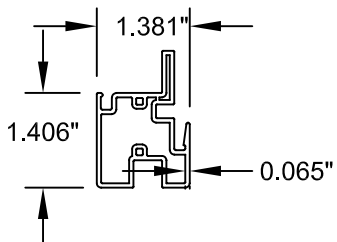
③ STOP/COVER
UPVC-500124



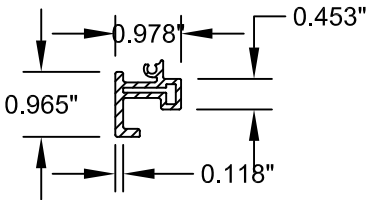
④ INTERLOCK/LIFT RAIL
SASH UPVC-606005



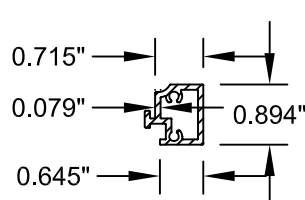
⑤ COMMON SASH
UPVC-606007



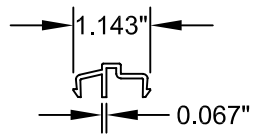
⑥ TRANSOM
UPVC-606008



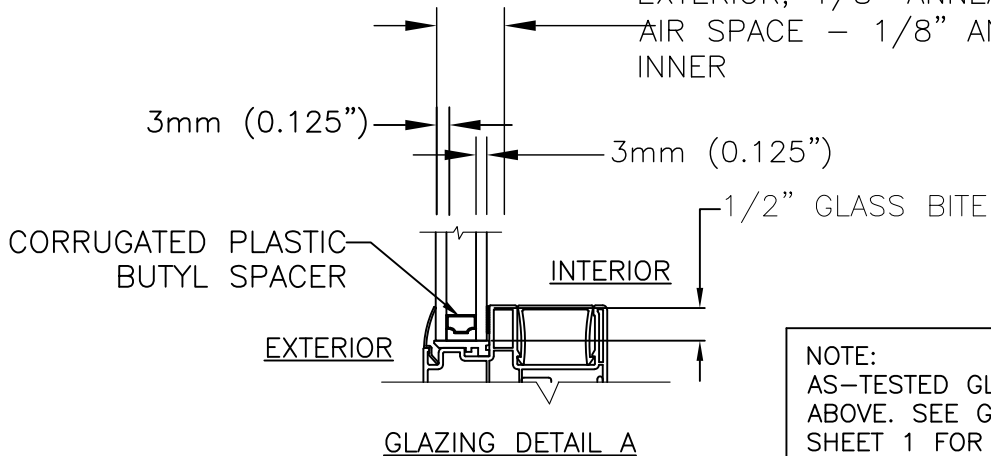
⑪ TRANSOM
ALUM. REINF.-612428



⑫ INTERLOCK/LIFT RAIL
ALUM. REINF.-612429



⑭ SLIDER TRACK
UPVC-606009



NOTE:
AS-TESTED GLAZING DETAIL SHOWN
ABOVE. SEE GENERAL NOTE 8.5 ON
SHEET 1 FOR ADDITIONAL OPTIONS
ALLOWED BY AAMA/WDMA/CSA
101/I.S.2/A440.

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