

RENAISSANCE WINDOWS AND DOORS

SERIES 8700 VINYL XOx HORIZONTAL SLIDING WINDOW, NON-HVHZ, NON-IMPACT INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON TEST REPORT NO. 2616T0007.01, DATED 5/16/24 AND ASSOCIATED LABORATORY DRAWING BY PRI CONSTRUCTION MATERIALS TECHNOLOGIES LLC. PERFORMANCE STANDARDS USED IN TESTING ARE:
1.1. AAMA/WDMA/CSA 101/I.S.2/A440-17.
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 REQUIRES OPENING PROTECTION IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE USING AN APPROVED IMPACT PROTECTION DEVICE.
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. WINDOW FRAME MATERIAL: VINYL (PVC).
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-12AE1.
9. DESIGNATION "O" STANDS FOR FIXED LITE AND "X" STANDS FOR OPERABLE VENT/SASH LITE.
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.

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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 8 AND 9 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 SHEETS 3 AND 4.

5.2. END DISTANCES AND O.C. SPACINGS LESS THAN THAT SHOWN IN THE ELEVATIONS ON SHEETS 3 AND 4 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 EMBEDMENT AND EDGE DISTANCE DESCRIPTION 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. 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 2.

PERFORMANCE RATING				
MAXIMUM WINDOW SIZE	ELEVATION	GLAZING DETAIL (SEE SHEET 9)	DESIGN PRESSURE (PSF)	IMPACT RATING
FIN FRAME INSTALLATION NOMINAL 111" x 63"	SHEETS 3 & 4	A	+/- 25	NONE SEE GENERAL NOTE 5
RETRO (THROUGH) FRAME INSTALLATION NOMINAL 111" x 63"	SHEETS 3 & 5	A	+/- 25	NONE SEE GENERAL NOTE 5

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

SERIES 8700 VINYL XOx HORIZONTAL SLIDING WINDOW
INSTALLATION ANCHORAGE DETAILS

DATE: 06/05/2024
DWN BY: RJA
CHK BY: n/a
SCALE: NONE

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PROJECT#: ACE-2024-121
DWG/REV: RWD033, Rev 0
SHT: 1 of 9

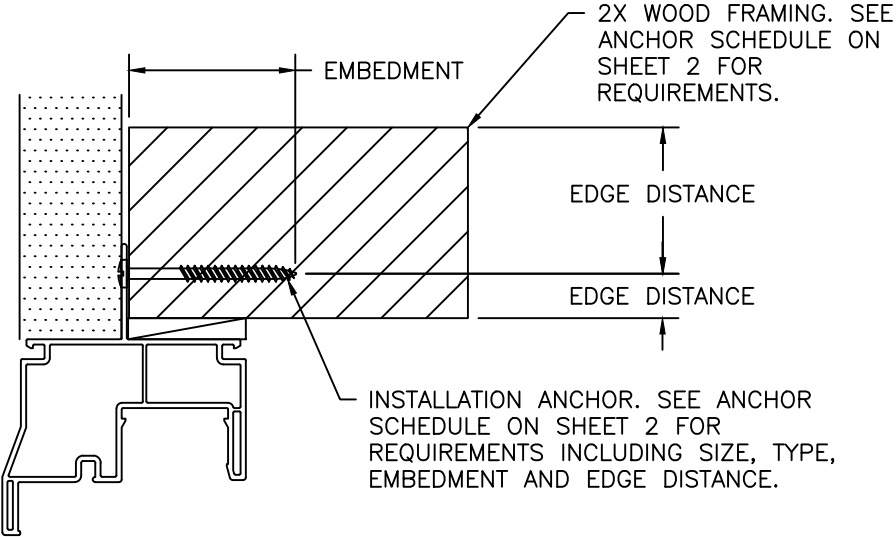
INSTALLATION ANCHOR SCHEDULE									
INSTALLATION TYPE	SECTION VIEW	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
THROUGH FRAME ANCHOR	SECTION B (SHEET 8) ----- SECTION E (SHEET 9)	HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1	1-1/8	3	MIN. 2500 PSI CONCRETE
				MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1	2	3	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
		PAN HEAD	No. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2) GRADE 2 EQUIVALENT	1-3/8	3/4	2 1/2	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.
					ASME B18.6.4 (TAPPING SCREW) (2) GRADE 2 EQUIVALENT				
SNAP-ON FLANGE WITH THROUGH FRAME ANCHOR	SECTION C (SHEET 8) ----- SECTION D (SHEET 9)	HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1	1-1/8	3	MIN. 2500 PSI CONCRETE
				MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1	2	3	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
		PAN HEAD	No. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2) GRADE 2 EQUIVALENT	1-3/8	3/4	2 1/2	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.
					ASME B18.6.4 (TAPPING SCREW) (2) GRADE 2 EQUIVALENT				
NAILING FIN ANCHOR	SECTION A (SHEET 8)	PAN HEAD	No. 8	WOOD	ANSI B18.6.1 (WOOD SCREW) (3) GRADE 2 EQUIVALENT	1-5/8	1/4	1	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.
					ASME B18.6.4 (TAPPING SCREW) (3) GRADE 2 EQUIVALENT				

NOTES:

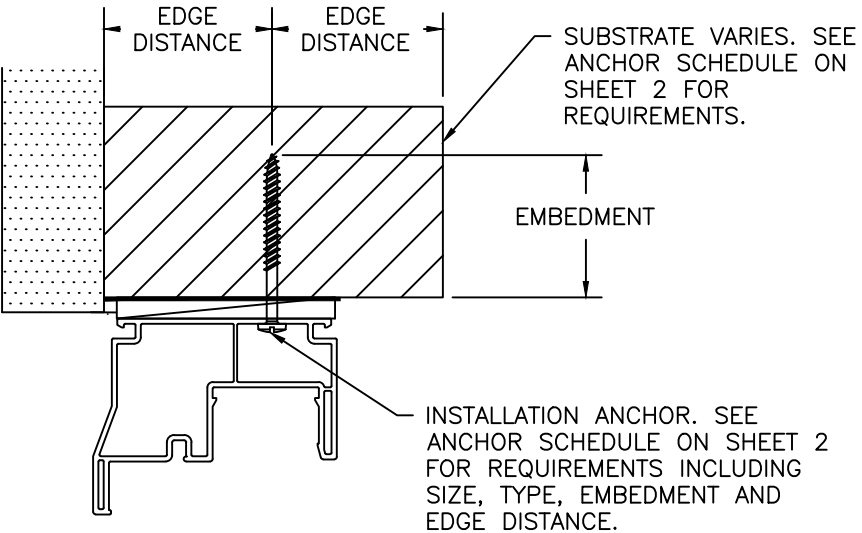
1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.

2) FOR WOOD SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.090" PILOT HOLE (DRILL SIZE 43). FOR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.121" PILOT HOLE (DRILL SIZE 31).

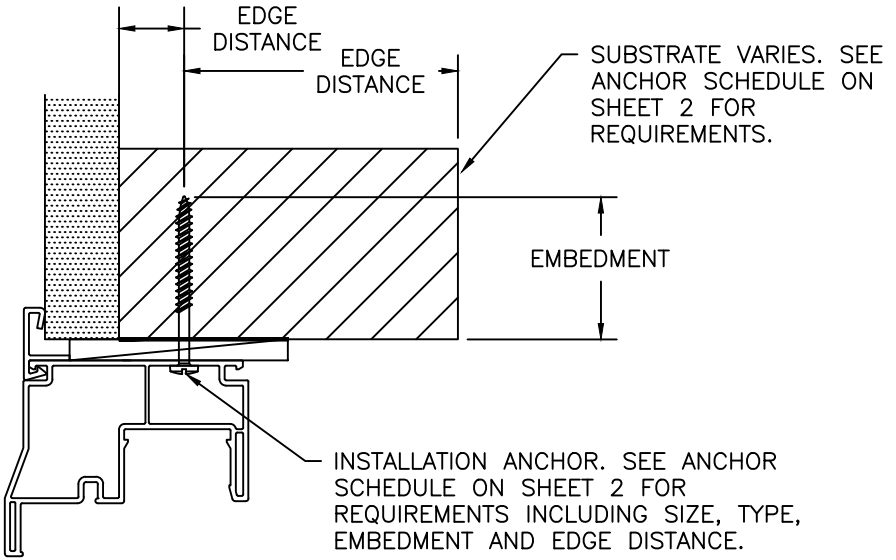
3) FOR WOOD OR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.082" PILOT HOLE (DRILL SIZE 45).



EMBEDMENT AND EDGE DISTANCE
NAILING FIN FRAME INSTALLATION



EMBEDMENT AND EDGE DISTANCE
THROUGH-FRAME INSTALLATION - HEAD & JAMBS



EMBEDMENT AND EDGE DISTANCE
SNAP-ON FLANGE THROUGH-FRAME INSTALLATION - HEAD & JAMBS

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SERIES 8700 VINYL XOx HORIZONTAL SLIDING WINDOW INSTALLATION ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
	NO.				

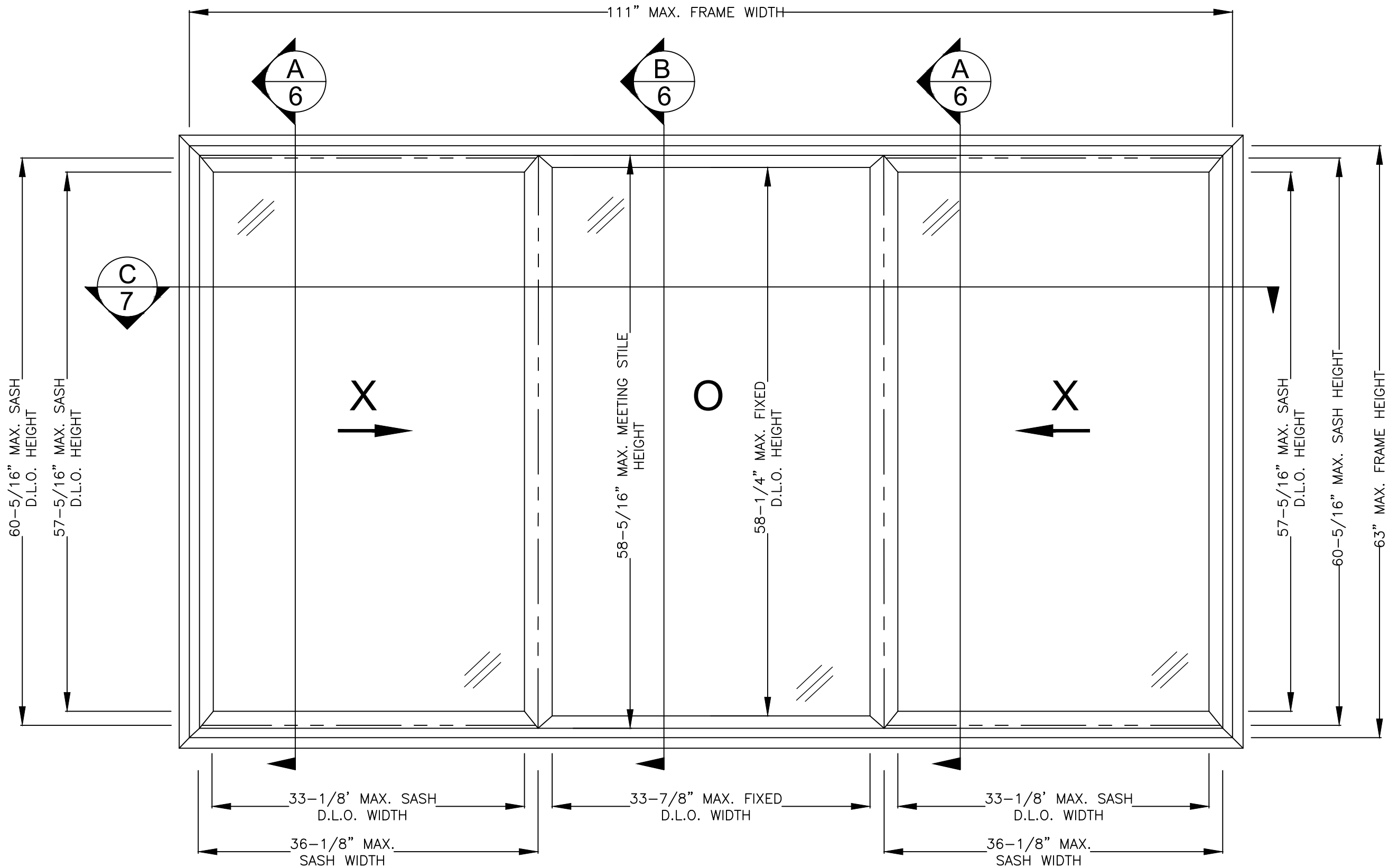
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SHT:	2 of 9



SERIES 8700 VINYL HORIZONTAL SLIDING WINDOW
EXTERIOR VIEW - FIN FRAME SHOWN (FOR THROUGH FRAME ANCHORING, FIN IS REMOVED)
111" X 63" NOMINAL SIZE SHOWN
XOX SHOWN

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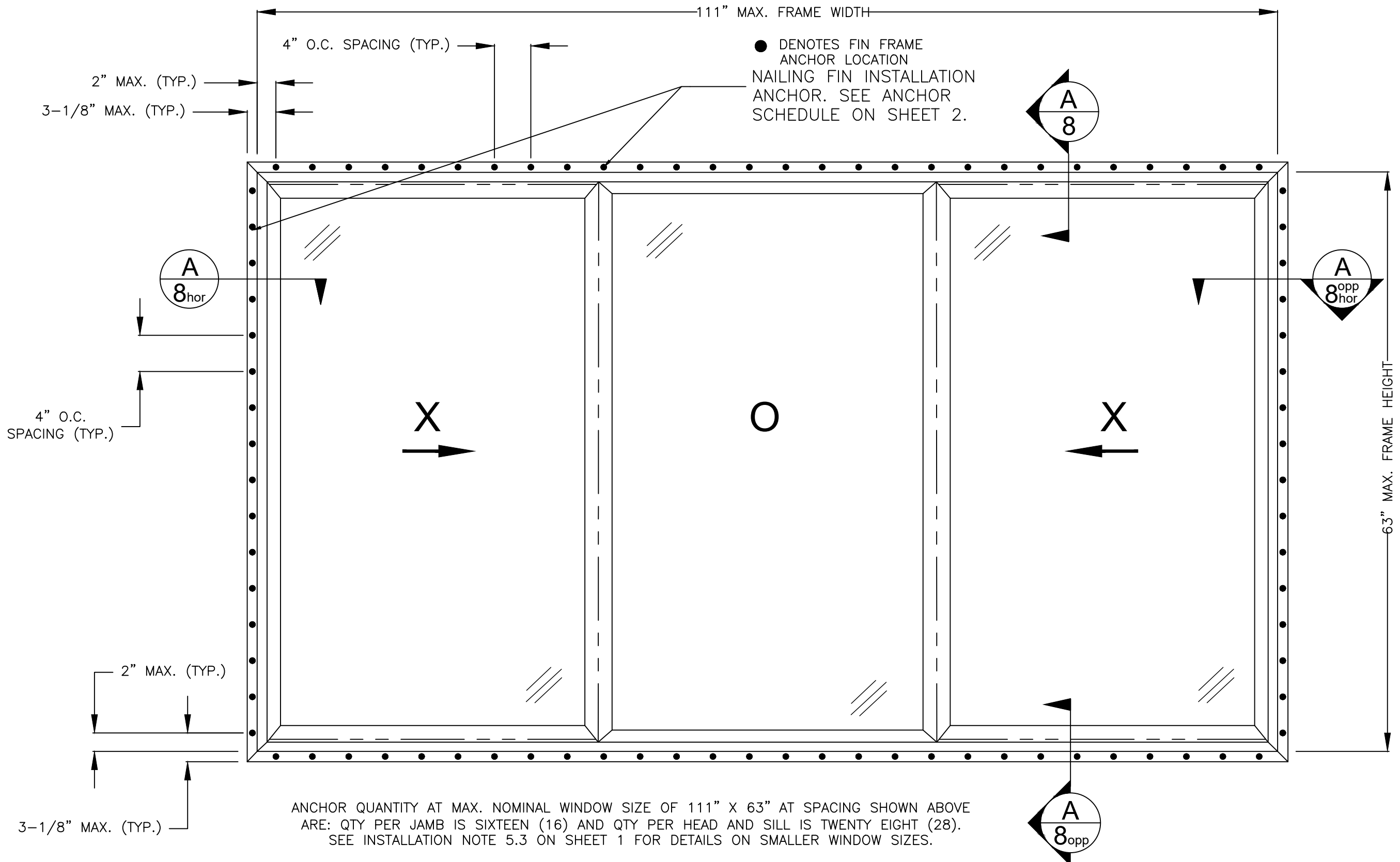
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ANCHOR QUANTITY AT MAX. NOMINAL WINDOW SIZE OF 111" X 63" AT SPACING SHOWN ABOVE ARE: QTY PER JAMB IS SIXTEEN (16) AND QTY PER HEAD AND SILL IS TWENTY EIGHT (28). SEE INSTALLATION NOTE 5.3 ON SHEET 1 FOR DETAILS ON SMALLER WINDOW SIZES.

SERIES 8700 VINYL HORIZONTAL SLIDING WINDOW
EXTERIOR VIEW (111" X 63" NOMINAL SIZE SHOWN)
FIN FRAME ANCHOR LOCATIONS AND QUANTITIES

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JACKSONVILLE, FL 32218

SERIES 8700 VINYL XOX HORIZONTAL SLIDING WINDOW INSTALLATION ANCHORAGE DETAILS	DATE				
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	REVISION DESCRIPTION				
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DWG/REV:	RWD033, Rev 0
SHT:	4 of 9

SERIES 8700 VINYL XOY HORIZONTAL SLIDING WINDOW INSTALLATION ANCHORAGE DETAILS	DATE				
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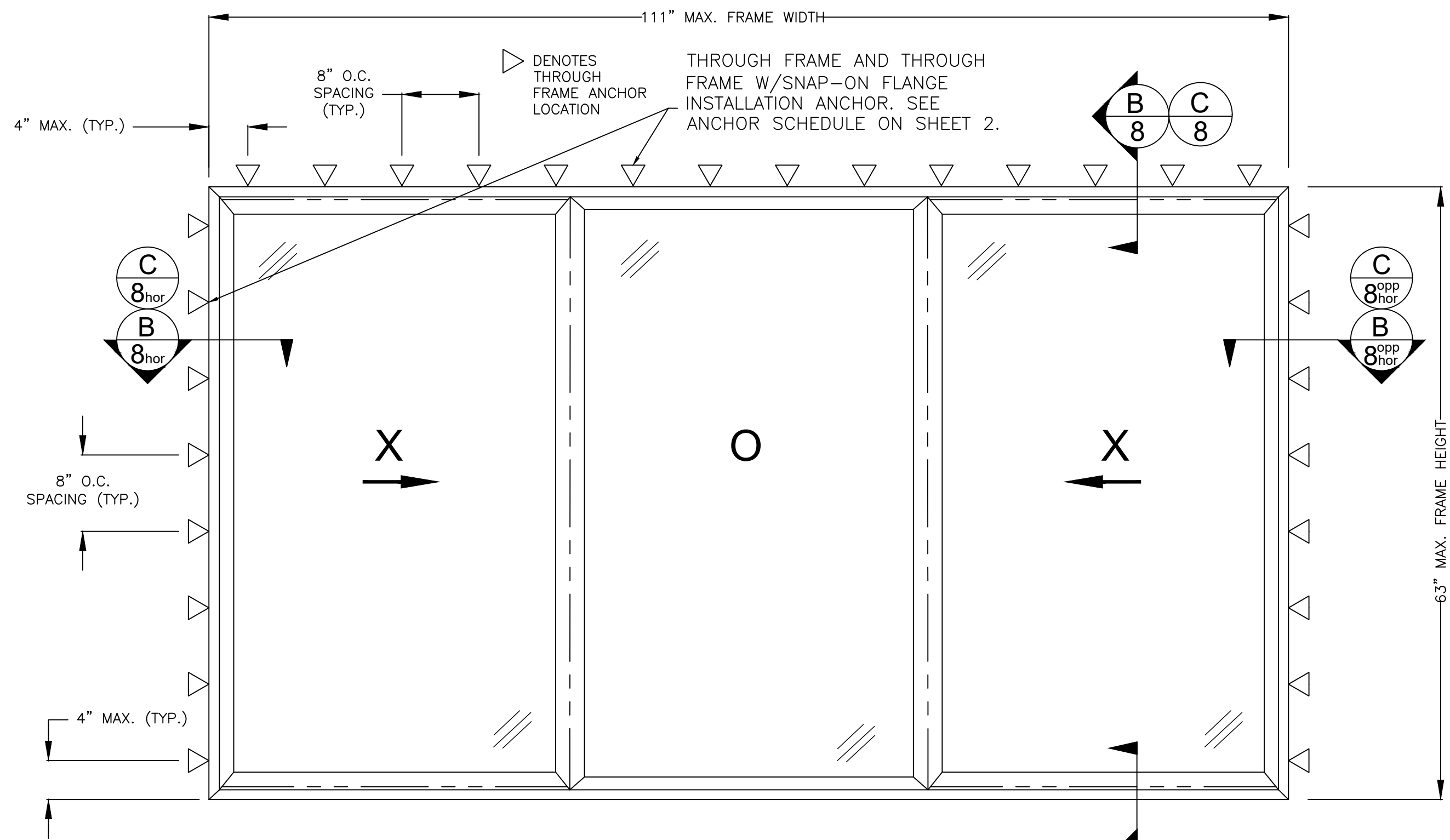
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SHT:	5 of 9



ANCHOR QUANTITY AT MAX. NOMINAL WINDOW SIZE OF 111" X 63" AT SPACING SHOWN
ABOVE ARE: QTY PER JAMB IS EIGHT (8) AND QTY FOR HEAD IS FOURTEEN (14).
SEE INSTALLATION NOTE 5.3 ON SHEET 1 FOR DETAILS ON SMALLER WINDOW SIZES.

SERIES 8700 VINYL HORIZONTAL SLIDING WINDOW

EXTERIOR VIEW (111" X 63" NOMINAL SIZE SHOWN) WITH FIN REMOVED
THROUGH FRAME ANCHOR LOCATIONS AND QUANTITIES

SERIES 8700 VINYL XOX HORIZONTAL SLIDING WINDOW
INSTALLATION ANCHORAGE DETAILS

NO.	REVISION DESCRIPTION	BY	DATE			

DATE: 06/05/2024	DWN BY: RJA	CHK BY: n/a	SCALE: NONE
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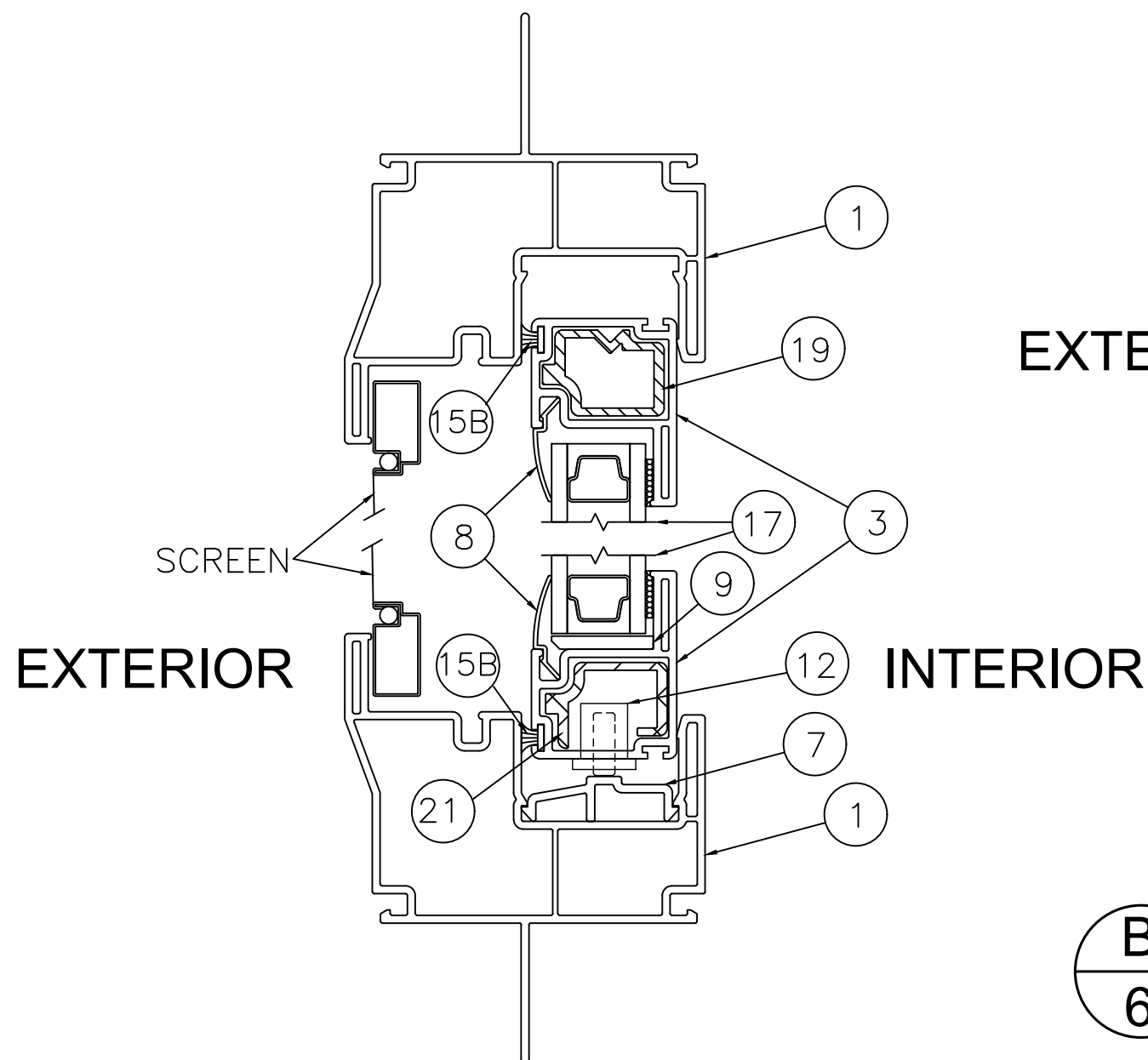


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DWG/REV: RWD033, Rev 0

SHT: 6 of 9



A
6

**XOX VERTICAL CROSS SECTION
VENT**

FIN FRAME ANCHORING CROSS SECTION SHOWN
THROUGH-FRAME ANCHORING CROSS SECTION
SAME WITH FIN REMOVED

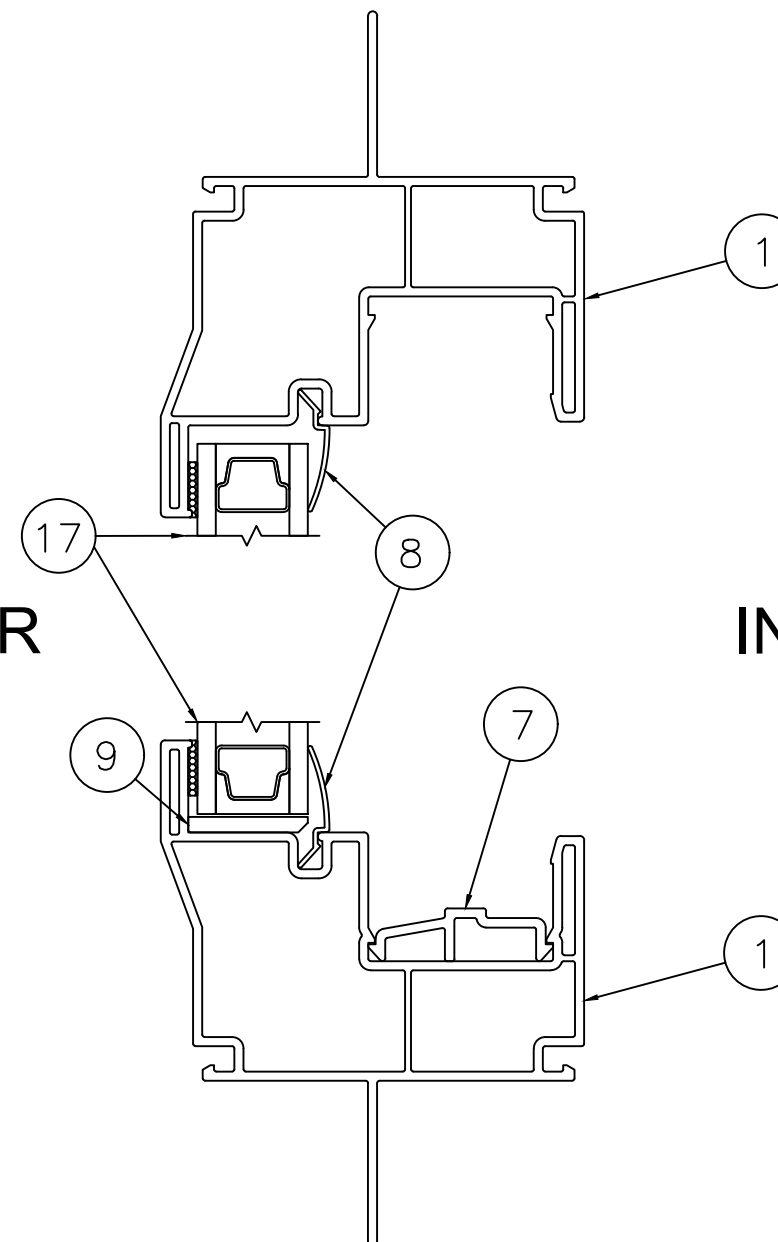
EXTERIOR

INTERIOR

B
6

**XOX VERTICAL CROSS SECTION
FIXED**

FIN FRAME ANCHORING CROSS SECTION SHOWN
THROUGH-FRAME ANCHORING CROSS SECTION
SAME WITH FIN REMOVED



SERIES 8700 VINYL XOX HORIZONTAL SLIDING WINDOW INSTALLATION ANCHORAGE DETAILS	DATE				
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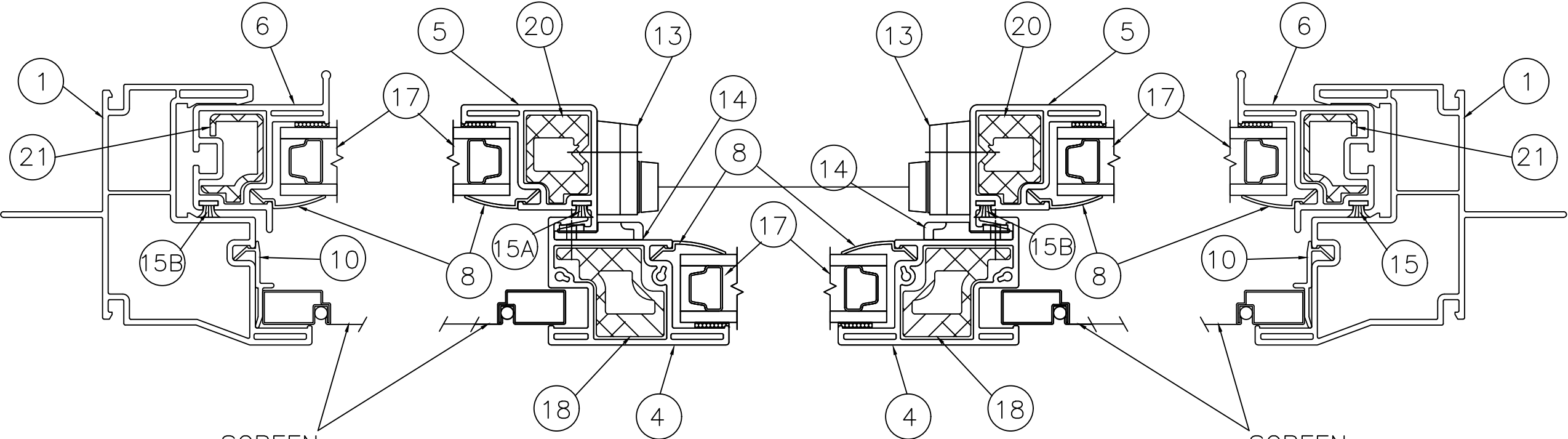
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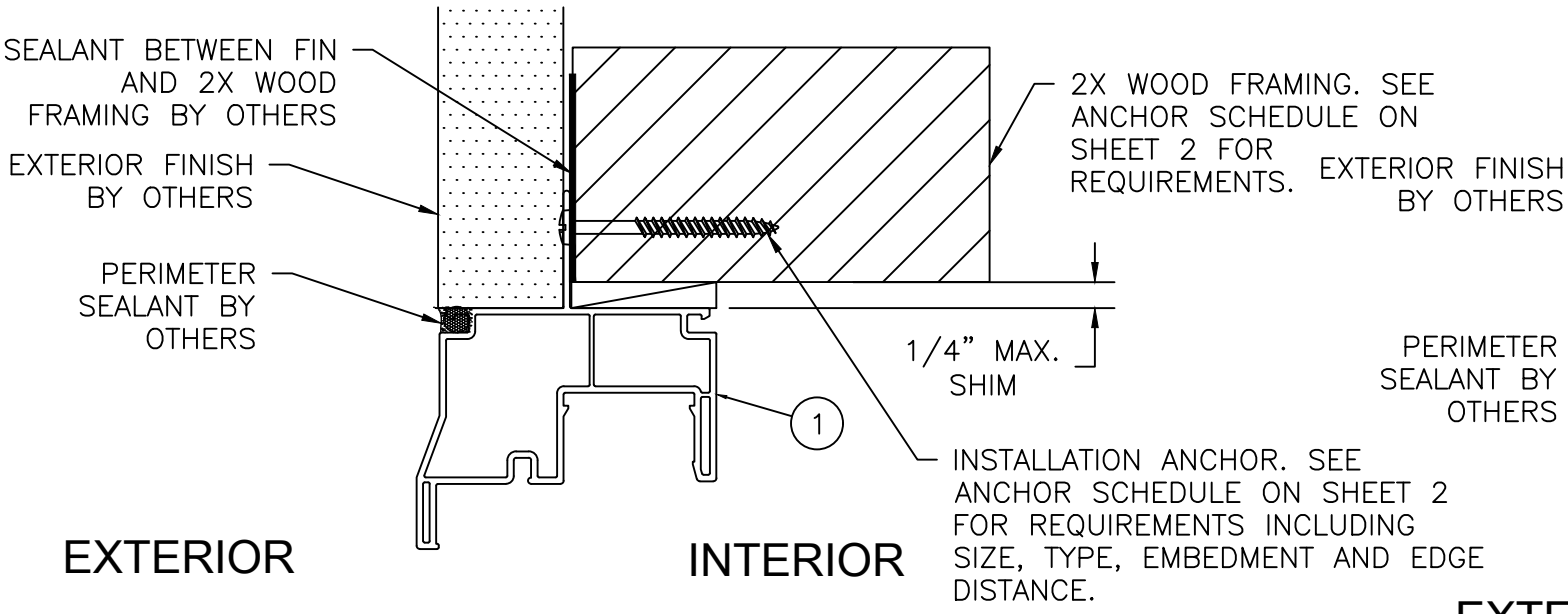
INTERIOR



EXTERIOR

C
7 **XOX HORIZONTAL
CROSS SECTION**

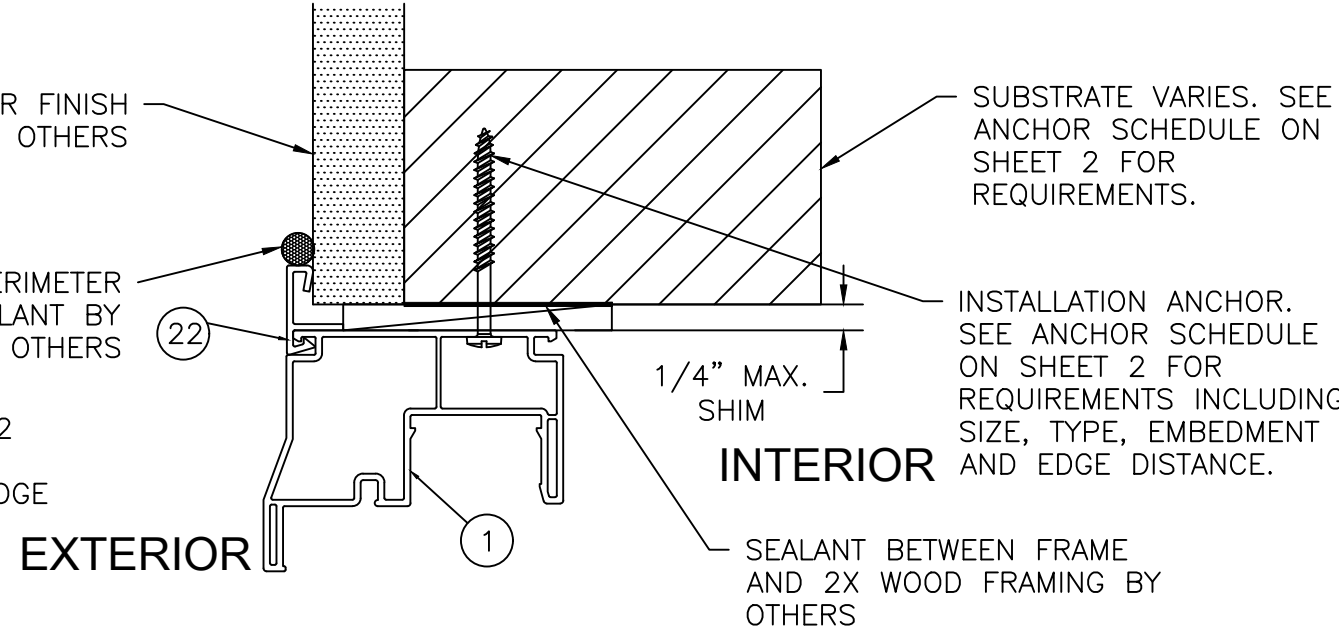
FIN FRAME ANCHORING CROSS SECTION SHOWN
THROUGH-FRAME ANCHORING CROSS SECTION
SAME WITH FIN REMOVED



A
8

VERTICAL CROSS SECTION AT HEAD SHOWN. SILL AND HORIZONTAL CROSS SECTION THROUGH JAMBS SAME.

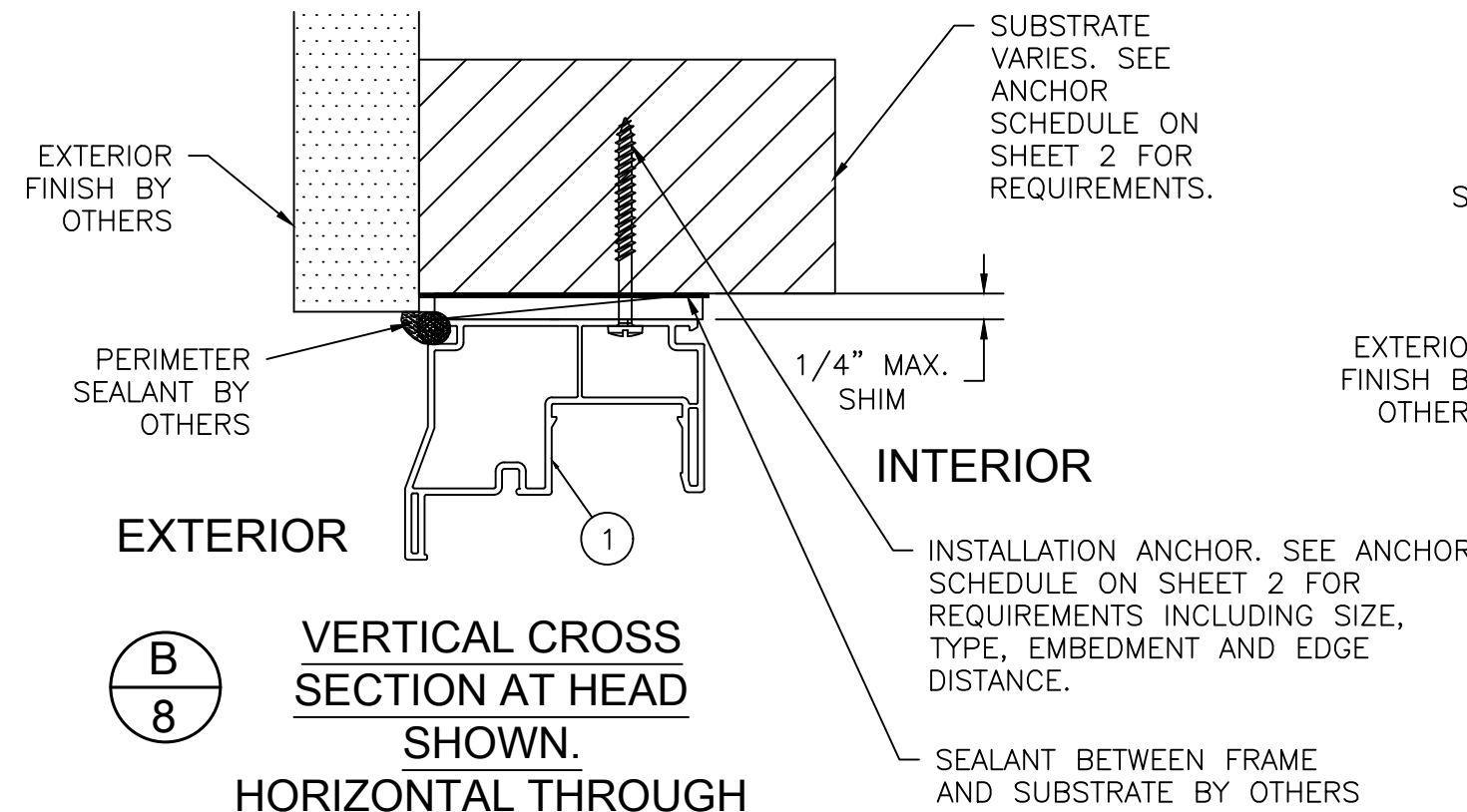
NAILING FIN FRAME INSTALLATION



C
8

VERTICAL CROSS SECTION AT HEAD SHOWN. HORIZONTAL THROUGH JAMBS SAME.

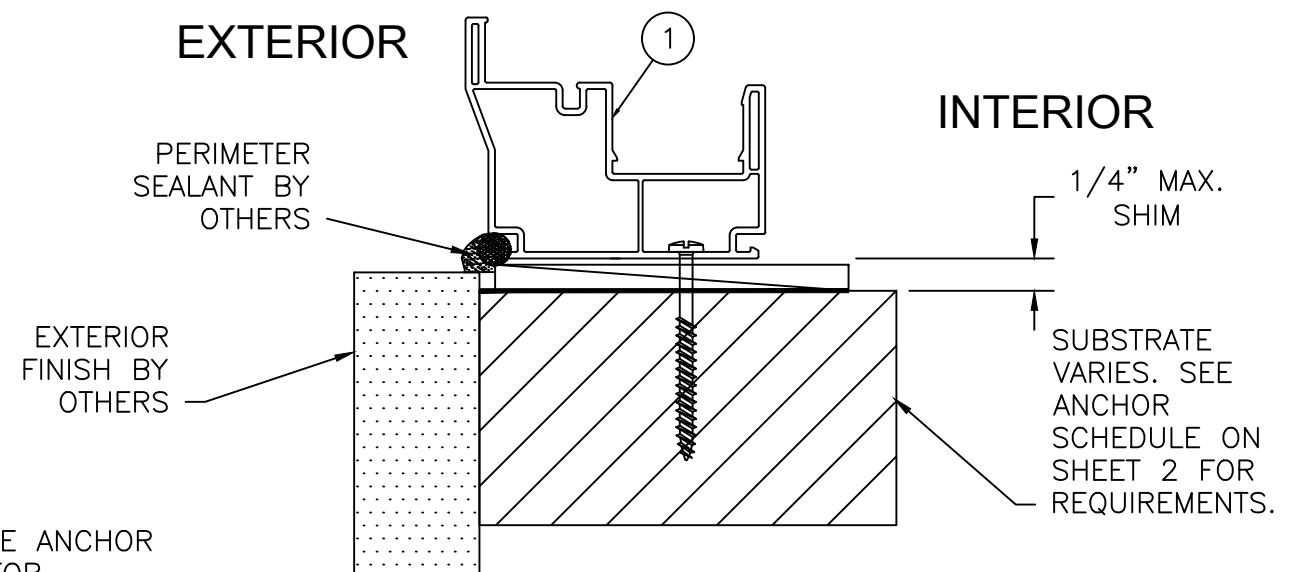
SNAP-ON FLANGE THROUGH-FRAME INSTALLATION



B
8

VERTICAL CROSS SECTION AT HEAD SHOWN. HORIZONTAL THROUGH JAMBS SAME.

THROUGH-FRAME INSTALLATION



D
8

VERTICAL CROSS SECTION AT SILL

THROUGH-FRAME INSTALLATION WITH NO ANCHORS AT SILL (ONLY HEAD AND JAMBS).

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

SERIES 8700 VINYL XOx HORIZONTAL SLIDING WINDOW INSTALLATION ANCHORAGE DETAILS	DATE				
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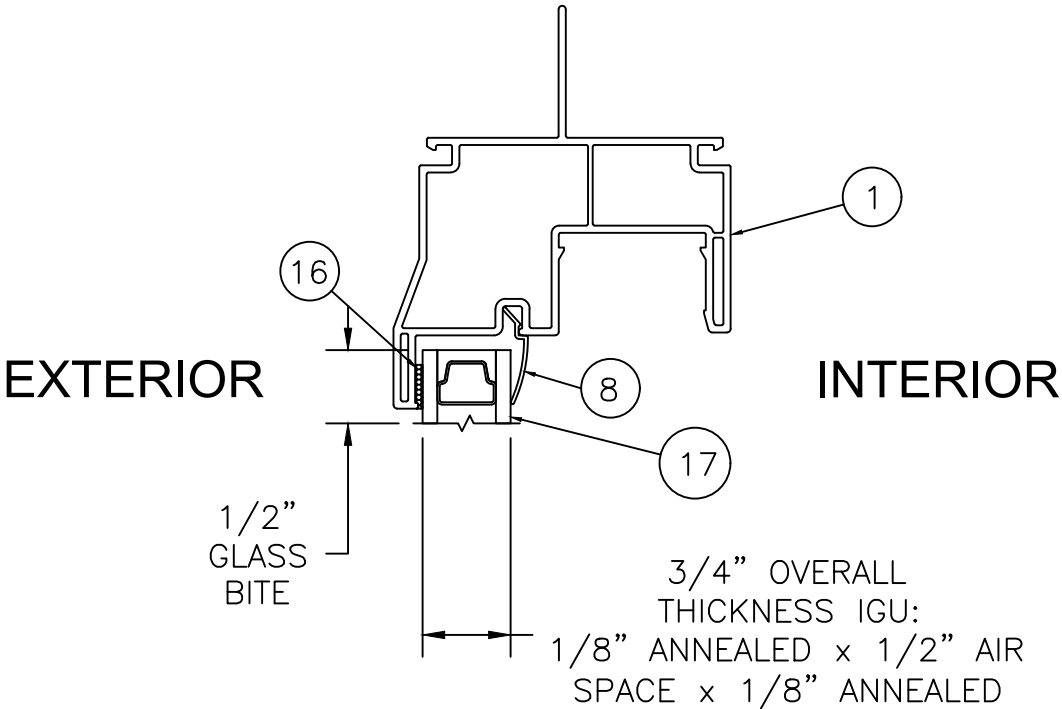
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PROJECT#:	ACE-2024-121
DWG/REV:	RWD033, Rev 0
SHT:	8 of 9

BILL OF MATERIALS 8500 SERIES XOX HORIZONTAL SLIDING WINDOW			
BOM NO.	PART NO.	DESCRIPTION	REMARKS
1	7862/10887	FRAME - HEAD, SILL AND JAMBS	PVC
2	Not Used		
3	7863/10888	VENT RAIL	PVC
4	7864/10889	FIXED INTERLOCK	PVC
5	7865/10890	VENT INTERLOCK	PVC
6	7866/10891	VENT PIVOT RAIL/STILE	PVC
7	7870	TRACK	PVC
8	8764	GLAZING BEAD	PVC
9	6555	SETTING BLOCK	NEOPRENE
10	7871	SCREEN LOCK	PVC
	HARDWARE		
12	4231-1000	ROLLER	AMESBURY
13	A09200427XX	CAM LOCK	TRUTH
14	C09659XX	KEEPER	TRUTH
15A	---	WEATHERSTRIP - MEETING RAIL	.187 x .270 FIN PILE
15B	---	WEATHERSTRIP	.187 x .230 FIN PILE
	GLAZING		
16	---	WET GLAZING COMPOUND	SILICONE
17	GLAZING DETAIL A	3/4" OVERLL THICKNESS IGU	
	REINFORCEMENT		
18	7864.1.1	REINFORCING BAR	ALUMINUM 6063-T5
19	7865.1.1	REINFORCING BAR	ALUMINUM 6063-T5
20	7865.1.2	REINFORCING BAR	ALUMINUM 6063-T5
21	7866.1	REINFORCING BAR	ALUMINUM 6063-T5
	INSTALLATION COMPONENTS (OPTIONAL)		
22	8864	SNAP-ON FLANGE	PVC



GLAZING DETAIL A

FIXED LITE AT HEAD SHOWN.
SILL & JAMBS SAME FOR FIXED
LITE. FOR VENT/SASH LITE,
GLAZING CONFIGURATION
REVERSED (EXTERIOR VS.
INTERIOR GLAZED AS SHOWN
HERE) FROM FIXED LITE,
OTHERWISE SAME.

- NOTES:
1. A MINIMUM OF TWO (2) NEOPRENE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS ARE REQUIRED AT BOTTOM (SILL) OF GLAZING LITES MORE THAN 3 FEET IN WIDTH.
 2. AS-TESTED IGU SYSTEM SHOWN. OTHER SUBSTITUTIONS MAY BE ALLOWED PER AAMA/WDMA/CSA 101/I.S.2/A440-17, SECTION 10.2.3.3.

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DATE: 06/05/2024
DWN BY: RJA
CHK BY: n/a
SCALE: NONE

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SHT: 9 of 9