

RENAISSANCE WINDOWS AND DOORS

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

GENERAL NOTES:

1. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON TEST REPORT NO. 2616T0006.01, DATED 5/24/24 AND ASSOCIATED LABORATORY DRAWING BY PRI CONSTRUCTION MATERIALS TECHNOLOGIES LLC IN COMPLIANCE WITH THE 9TH EDITION (2026) FLORIDA BUILDING CODE. 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 9th EDITION (2026) 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 E1300-24.
9. DESIGNATION "O" STANDS FOR FIXED LITE AND "X" STANDS FOR OPERABLE VENT/SASH LITE.
10. THESE DRAWINGS CERTIFY THE FENESTRATION ANCHORAGE INSTALLATION ONLY. WATER-RESISTIVE BARRIER DETAILING OF THE WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. DETAILS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. WATER-RESISTIVE BARRIER DETAILING SHALL BE THE RESPONSIBILITY OF THE INSTALLER. REFER TO THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SECTION 1405.4 AND FLORIDA RESIDENTIAL CODE SECTION R703.4 FOR RECOMMENDATIONS. PER FBC SECTION 1405.4.1.4 AND FRC SECTION R703.4, FMA/AAMA 100-12 AND FMA/AAMA 200-12 CAN BE USED FOR GUIDANCE. ADDITIONALLY, ASTM E2112 CAN BE USED FOR GUIDANCE.

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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 6, 7 AND 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 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.
9. ALL FASTENERS TO BE CORROSION RESISTANT, AND/OR HAVE A CORROSION RESISTANT COATING, OR WHEN EXPOSED TO SALTWATER ENVIRONMENTS WITHIN 3,000 FEET OF A SALTWATER COASTLINE MEET THE REQUIREMENTS OF SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FRC WHEN APPLICABLE.

PERFORMANCE RATING				
MAXIMUM WINDOW SIZE	ELEVATION	GLAZING DETAIL (SEE SHEET 9)	DESIGN PRESSURE (PSF)	IMPACT RATING
FIN FRAME INSTALLATION NOMINAL 74" x 63"	SHEETS 3 & 4	A	+/- 35	NONE SEE GENERAL NOTE 5
RETRO (THROUGH) FRAME INSTALLATION NOMINAL 74" x 63"	SHEETS 3 & 5	A	+/- 40	NONE SEE GENERAL NOTE 5

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SERIES 8700 VINYL XO-OX HORIZONTAL SLIDING WINDOW INSTALLATION ANCHORAGE DETAILS	DATE			
	BY			
	REVISION DESCRIPTION			
	NO.			
	8/4/26			
	RJA			
	UPDATE TO 9TH EDITION (2026) FBC			
	A			

DATE: 06/05/2024	DWN BY: RJA	CHK BY: n/a	SCALE: NONE
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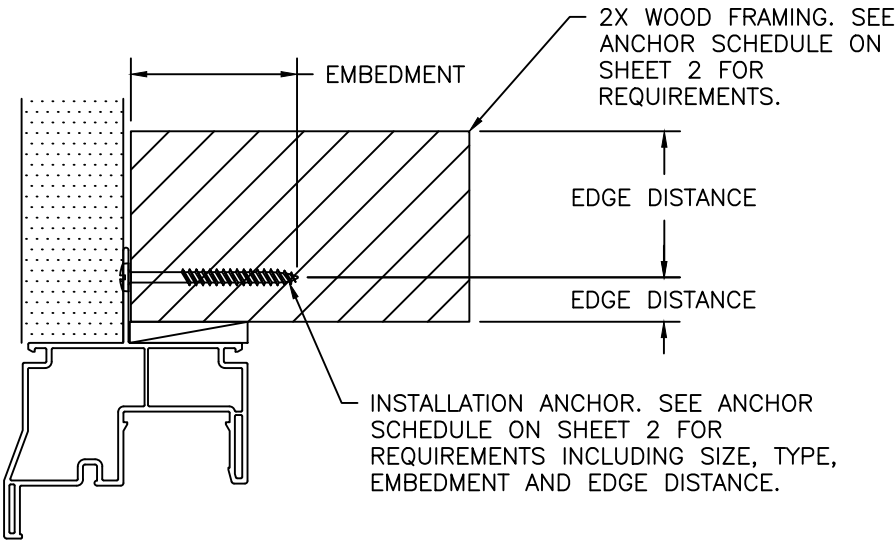
INSTALLATION ANCHOR SCHEDULE									
INSTALLATION TYPE	SECTION VIEW	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
THROUGH FRAME ANCHOR	SECTION B (SHEET 8) ----- 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:

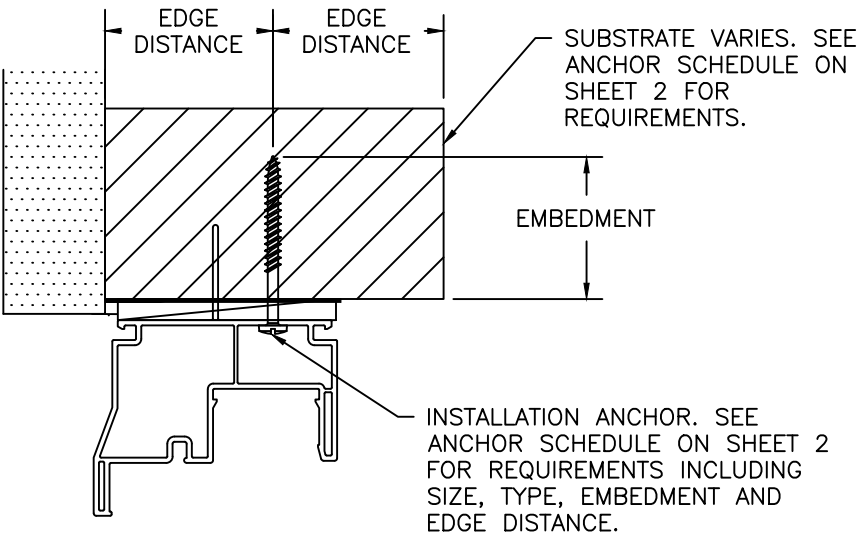
1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.

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).

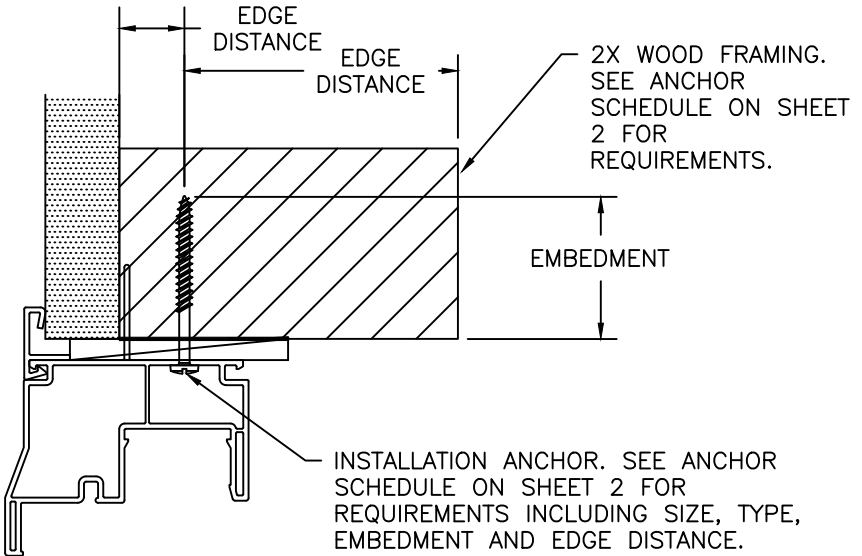
3) FOR WOOD OR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.082" PILOT HOLE (DRILL SIZE 45).



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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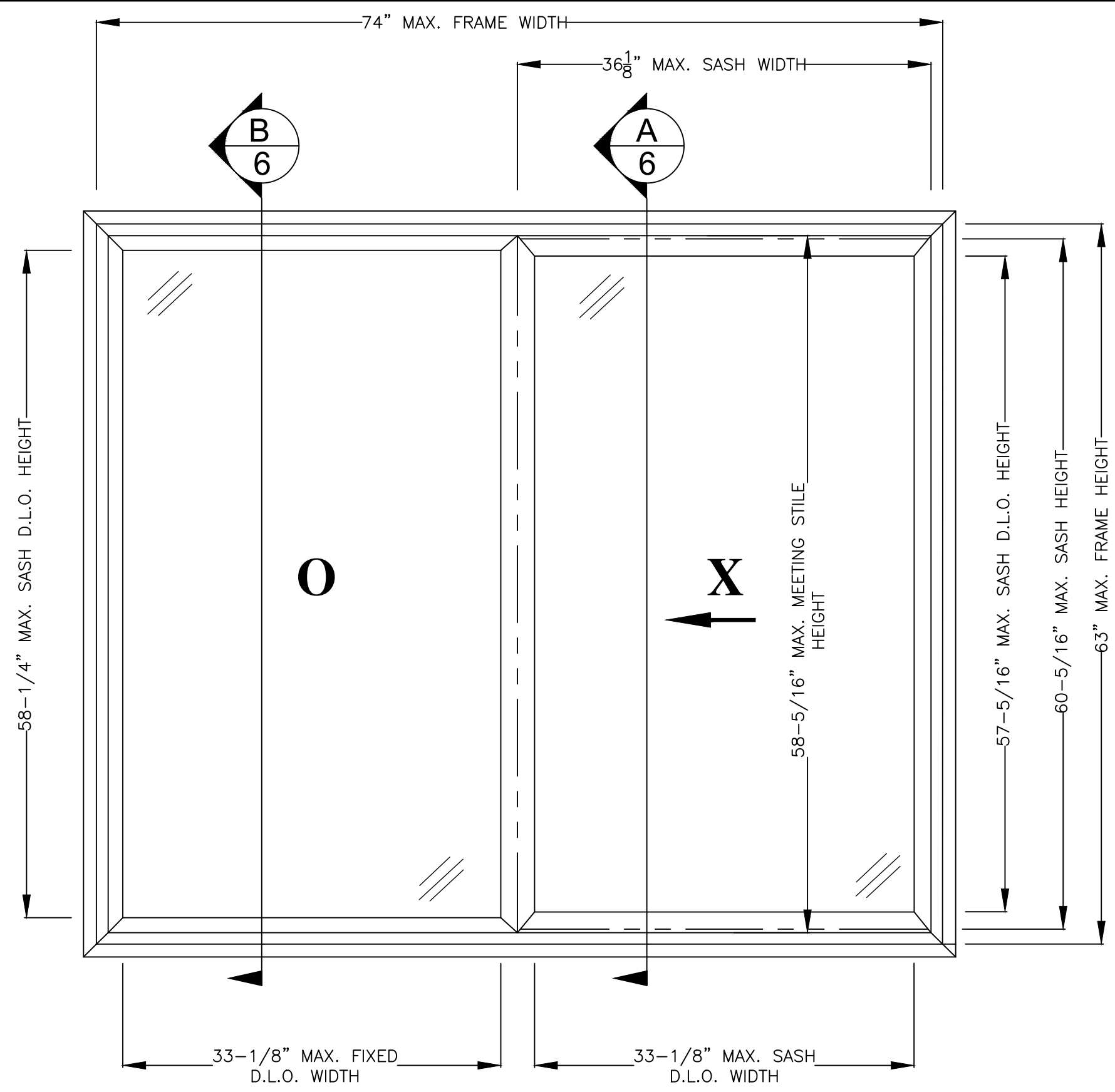
SERIES 8700 VINYL XO-OX HORIZONTAL SLIDING WINDOW INSTALLATION ANCHORAGE DETAILS	DATE	8/4/26			
	BY	RJA			
	REVISION DESCRIPTION	UPDATE TO 9TH EDITION (2026) FBC			
	NO.	A			

DATE: 06/05/2024	DWN BY: RJA	CHK BY: n/a	SCALE: NONE
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SERIES 8700 VINYL HORIZONTAL SLIDING WINDOW
EXTERIOR VIEW - FIN FRAME SHOWN (FOR THROUGH FRAME ANCHORING, FIN IS REMOVED)
74" x 63" NOMINAL SIZE SHOWN
OX SHOWN - XO ENVELOPED

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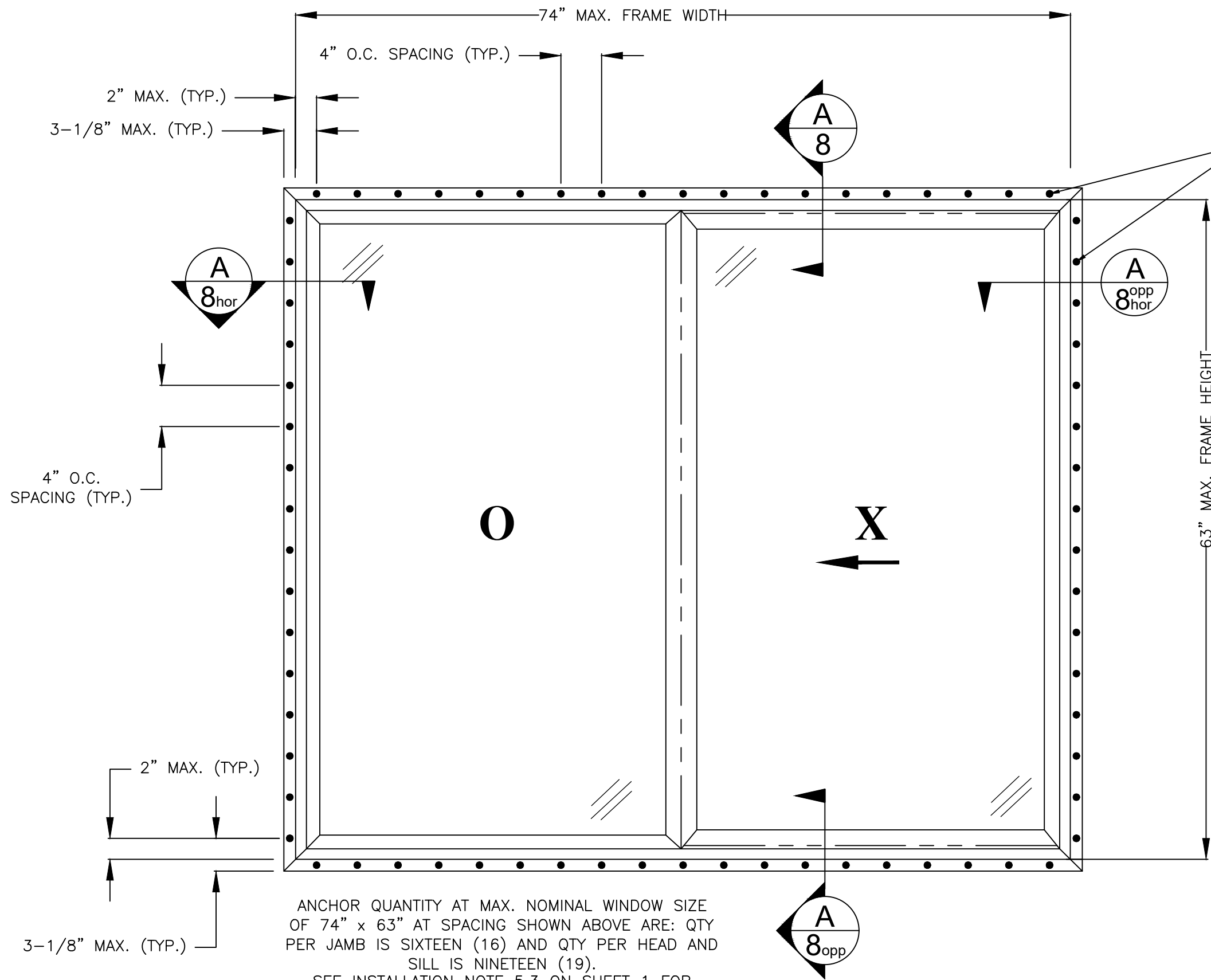
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NAILING FIN INSTALLATION
ANCHOR. SEE ANCHOR
SCHEDULE ON SHEET 2.

● DENOTES FIN FRAME
ANCHOR LOCATION

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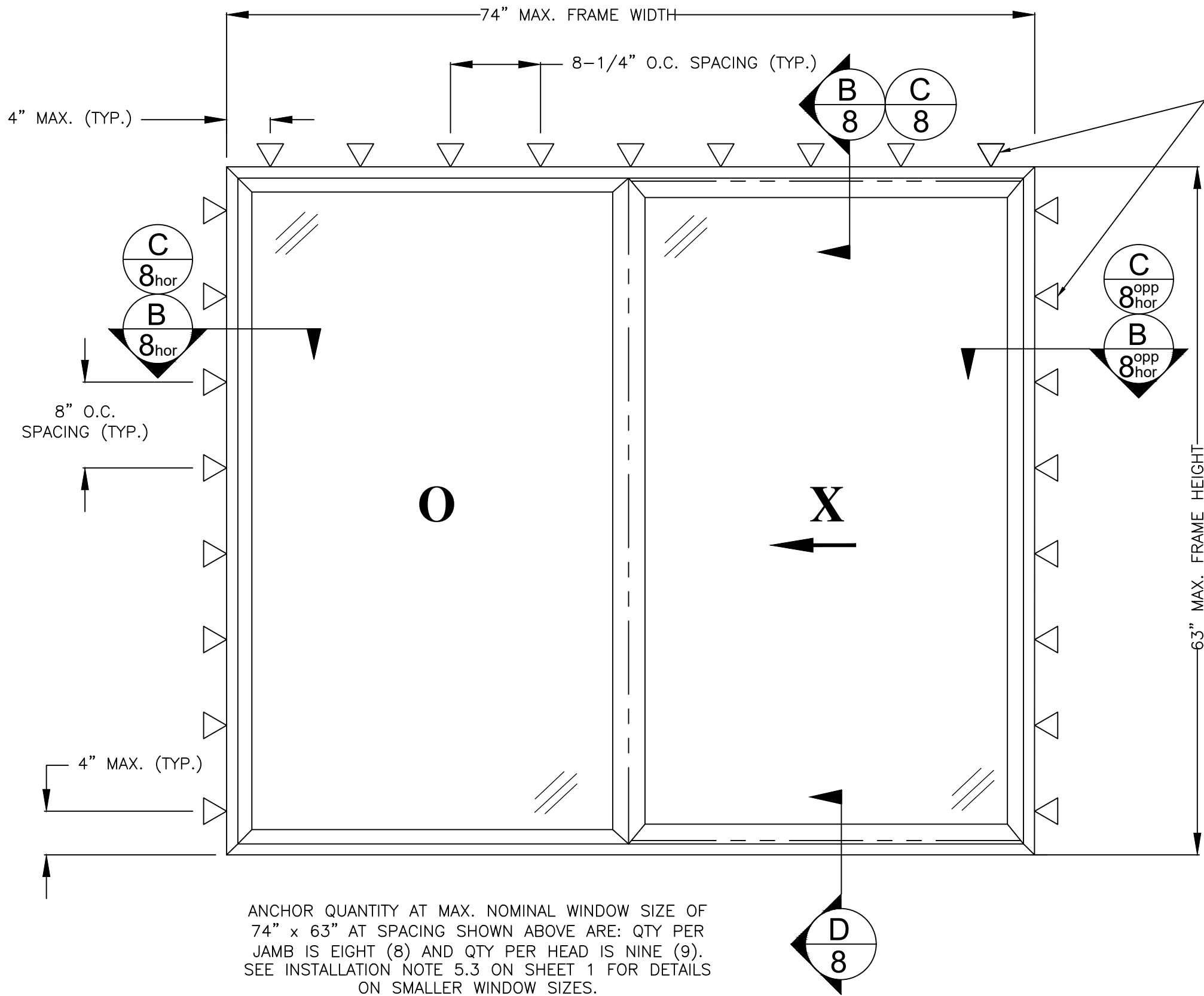
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SERIES 8700 VINYL HORIZONTAL SLIDING WINDOW
EXTERIOR VIEW (74" x 63" NOMINAL SIZE SHOWN)
FIN FRAME ANCHOR LOCATIONS AND QUANTITIES



THROUGH FRAME AND
THROUGH FRAME
W/SNAP-ON FLANGE
INSTALLATION ANCHOR.
SEE ANCHOR SCHEDULE
ON SHEET 2.

▷ DENOTES THROUGH FRAME
ANCHOR LOCATION

ANCHOR QUANTITY AT MAX. NOMINAL WINDOW SIZE OF
74" x 63" AT SPACING SHOWN ABOVE ARE: QTY PER
JAMB IS EIGHT (8) AND QTY PER HEAD IS NINE (9).
SEE INSTALLATION NOTE 5.3 ON SHEET 1 FOR DETAILS
ON SMALLER WINDOW SIZES.

SERIES 8700 VINYL HORIZINTAL SLIDING WINDOW
EXTERIOR VIEW (74" x 63" NOMINAL SIZE SHOWN) WITH FIN REMOVED
THROUGH FRAME ANCHOR LOCATIONS AND QUANTITIES

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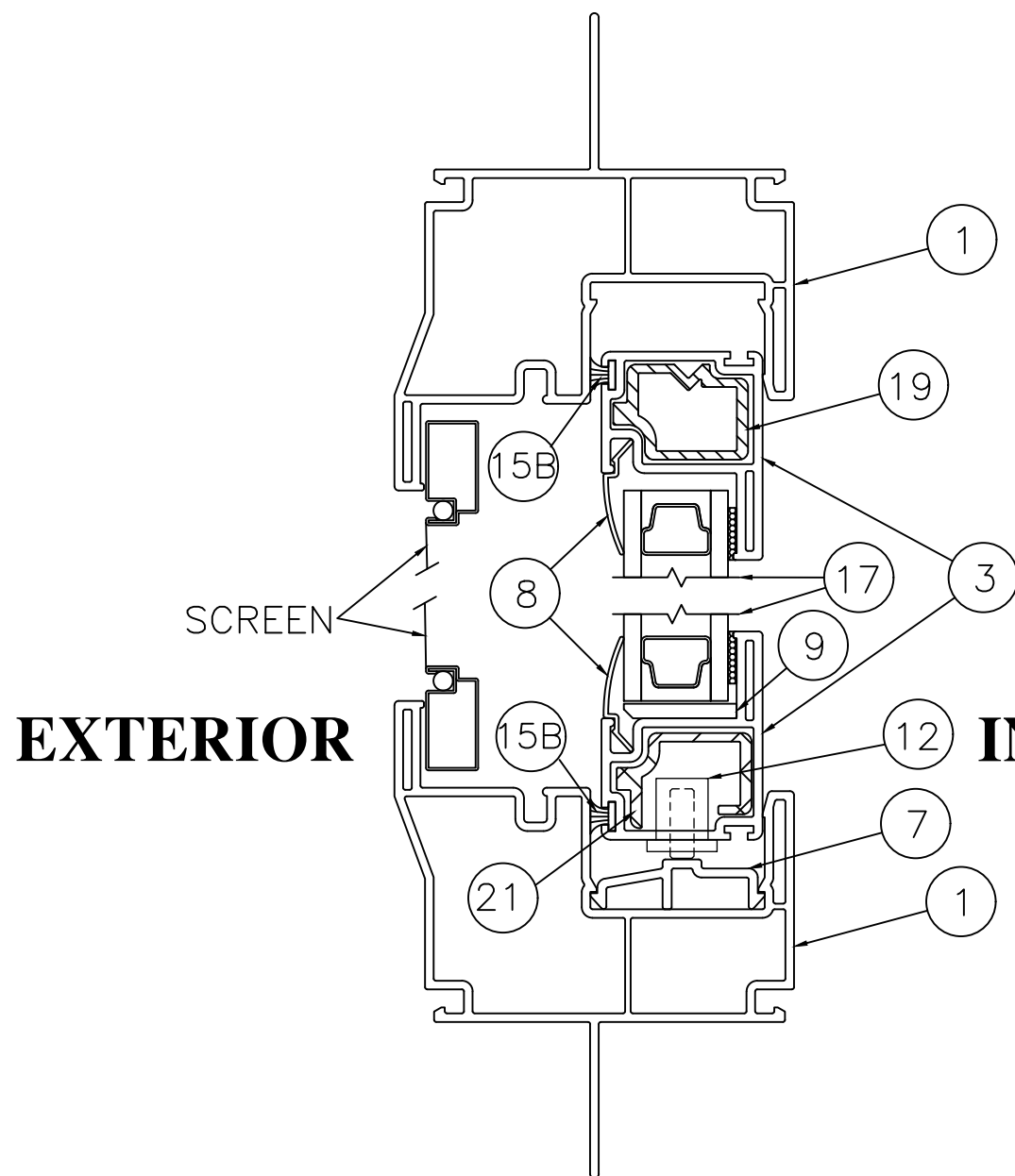


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A
6

OX AND XO VERTICAL CROSS SECTION - VENT

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

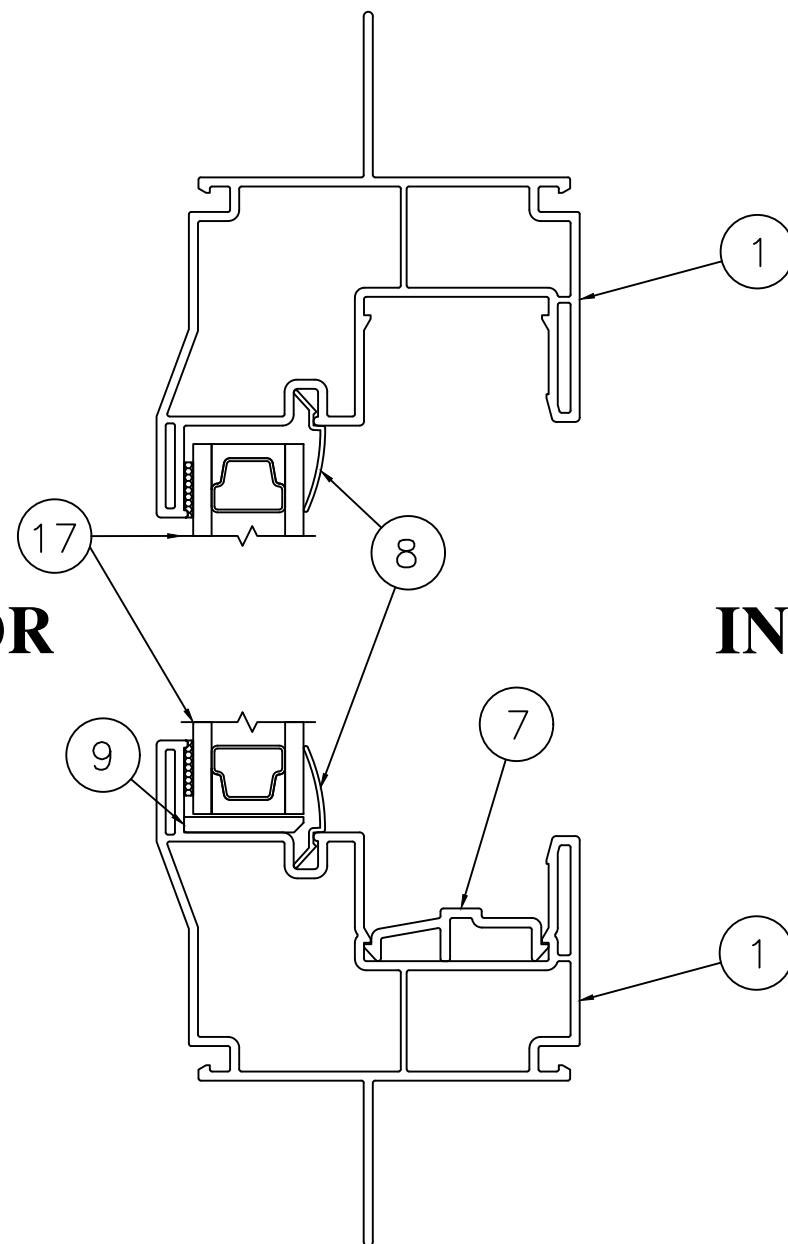
EXTERIOR

INTERIOR

B
6

OX AND XO VERTICAL CROSS SECTION - FIXED

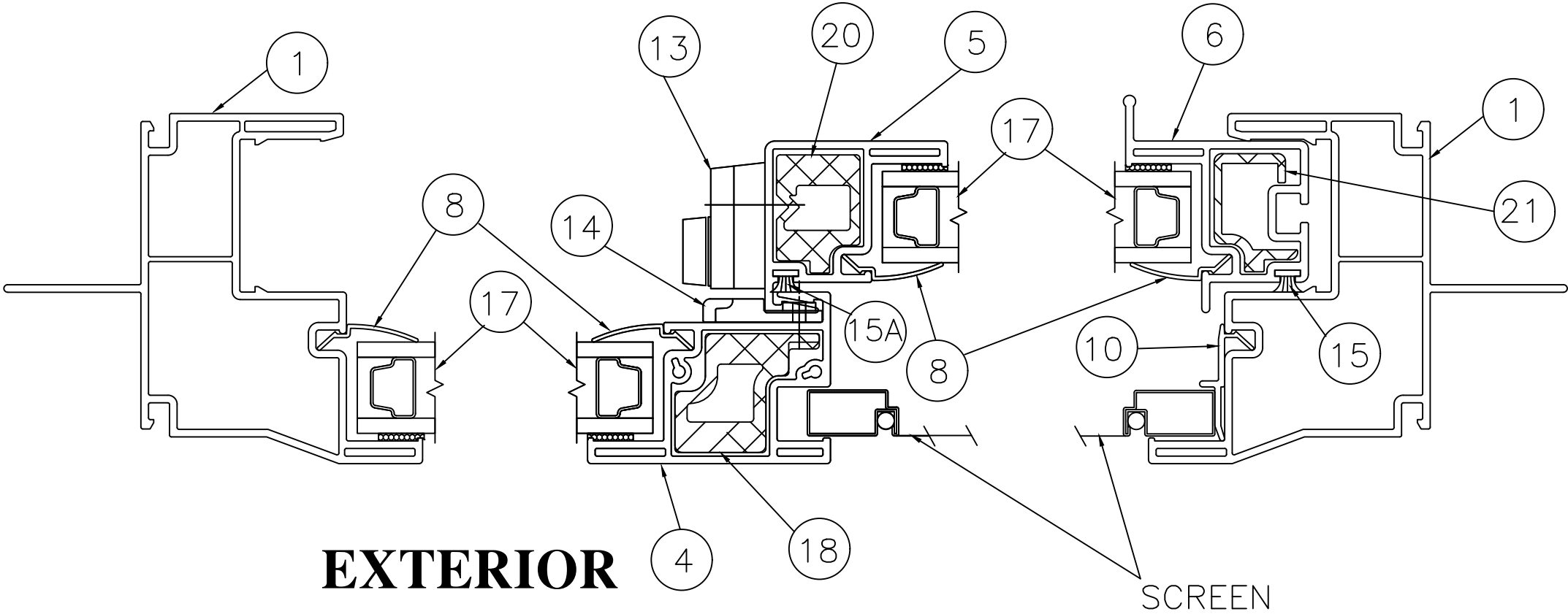
FIN FRAME ANCHORING CROSS SECTION SHOWN
THROUGH-FRAME ANCHORING CROSS SECTION
SAME WITH FIN REMOVED



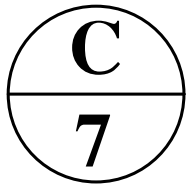
INTERIOR

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

INTERIOR



EXTERIOR



OX (SHOWN) AND XO (OPPOSITE)
HORIZONTAL CROSS SECTION

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

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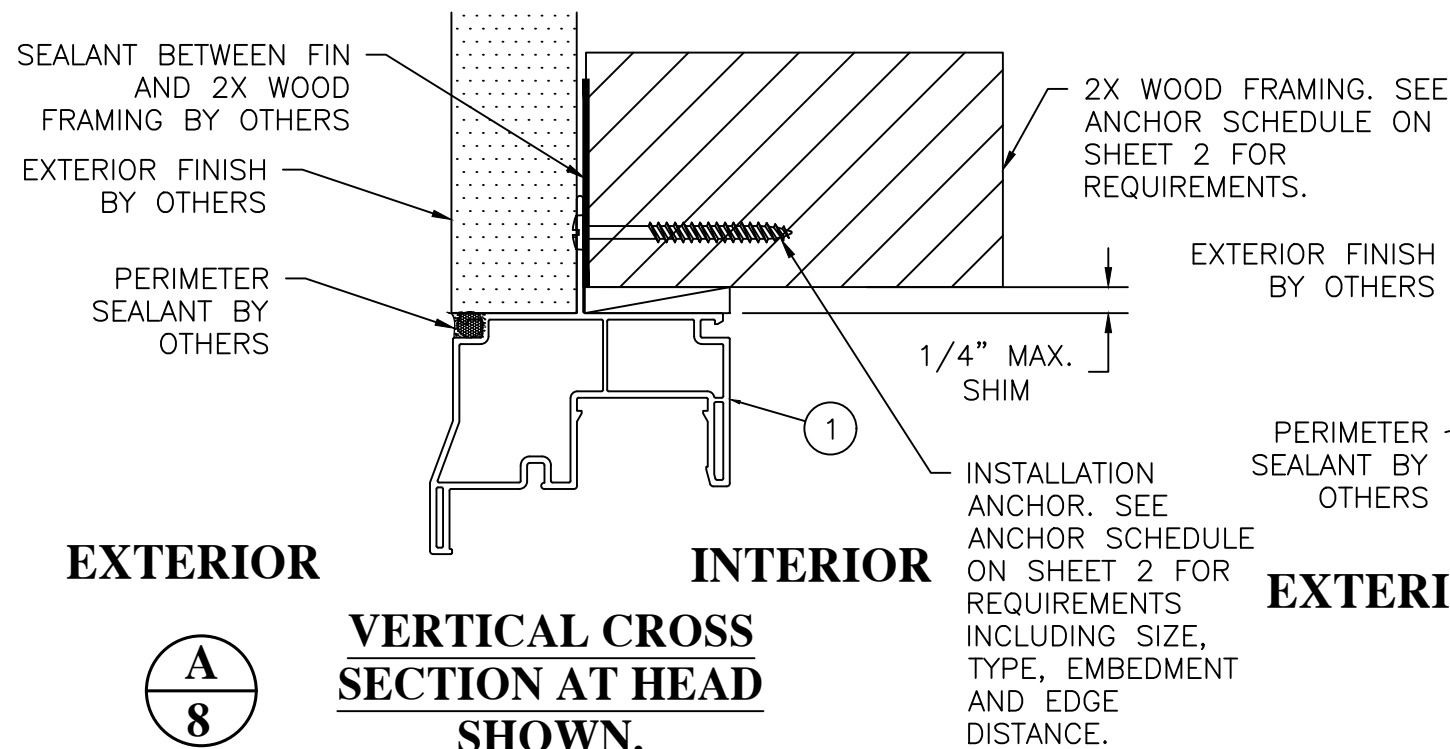
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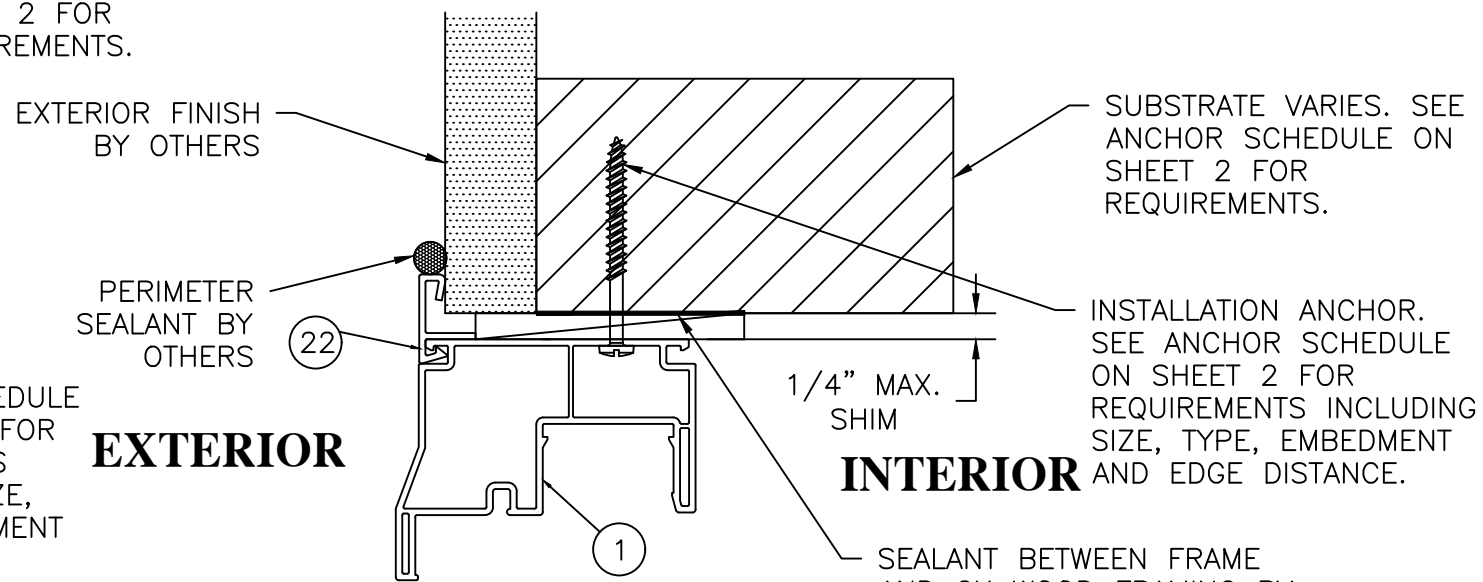
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A
8

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

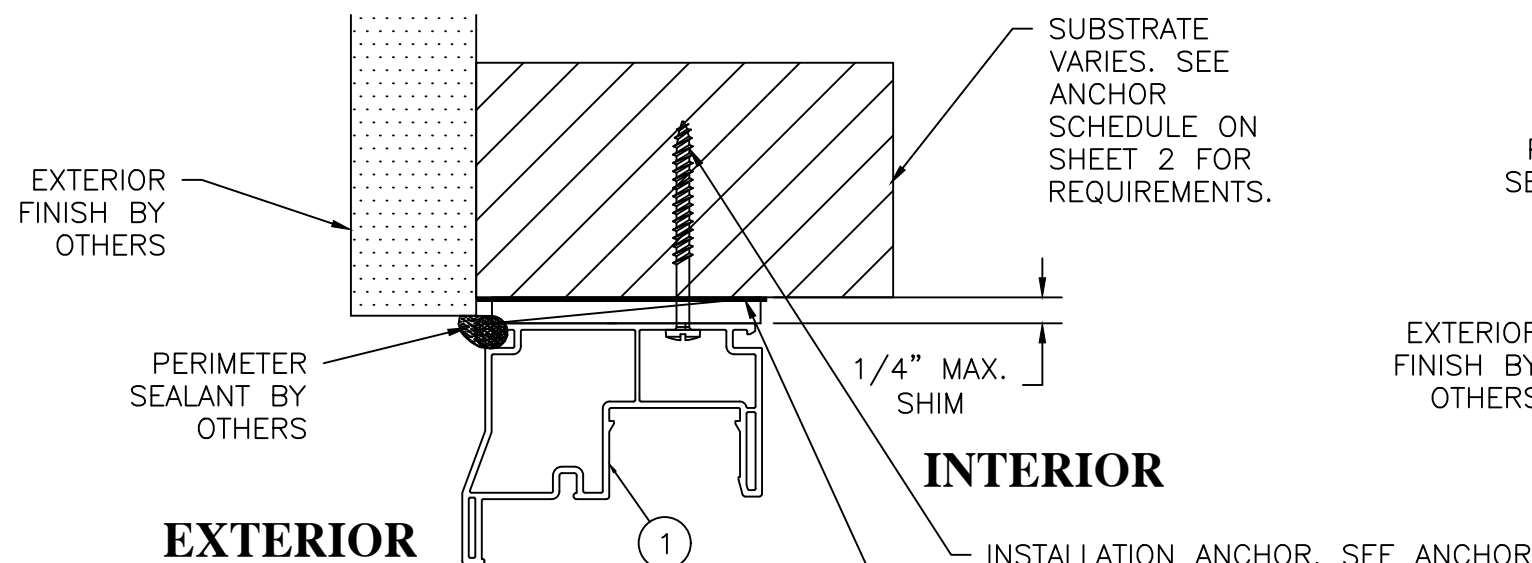
NAILING FIN FRAME INSTALLATION



C
8

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

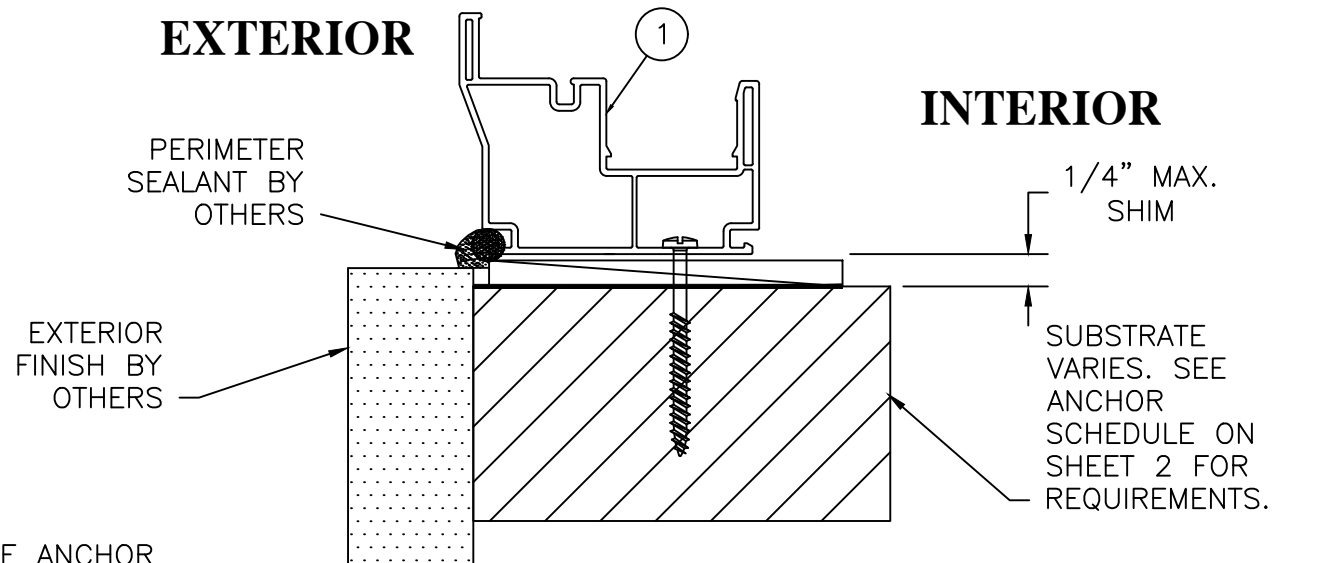
SNAP-ON FLANGE
 THROUGH-FRAME INSTALLATION



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).

INSTALLATION ANCHOR. SEE ANCHOR SCHEDULE ON SHEET 2 FOR REQUIREMENTS INCLUDING SIZE, TYPE, EMBEDMENT AND EDGE DISTANCE.

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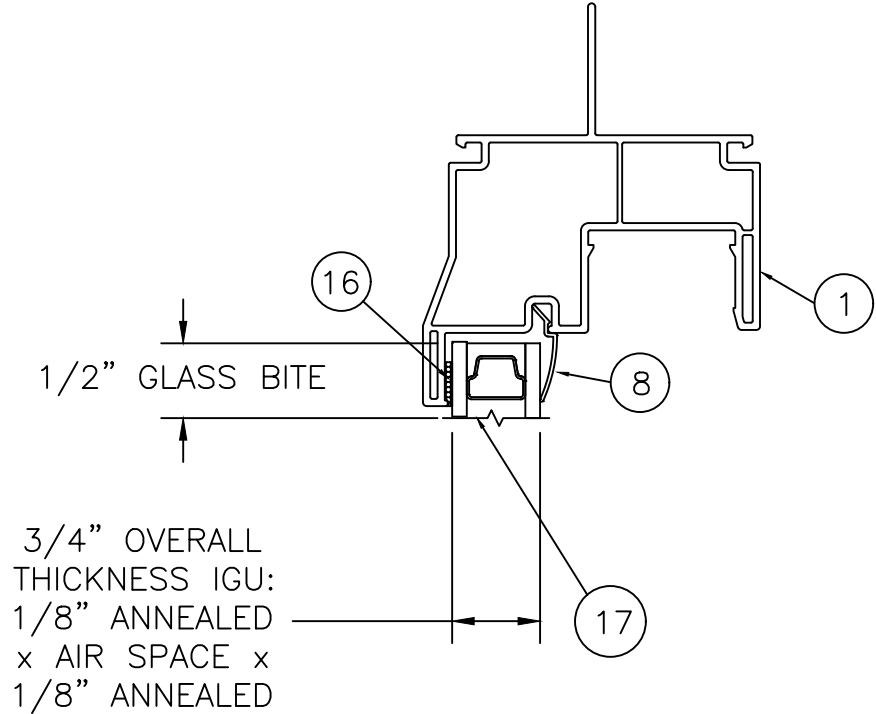
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BILL OF MATERIALS 8500 SERIES XO-OX HORIZONTAL SLIDING WINDOW			
BOM NO.	PART NO.	DESCRIPTION	REMARKS
1	7862/10887	RAME - HEAD, SILL AND JAMB	PVC
2	Not Used		
3	7863/10888	VENT RAIL	PVC
4	7864/10889	FIXED INTERLOCK	PVC
5	7865/10890	VENT INTERLOCK	PVC
6	7866/10891	VENT PULL STILE	PVC
7	7870	TRACK	PVC
8	8764	GLAZING BEAD	PVC
9	6555	SETTING BLOCK	NEOPRENE
10	7871	SCREEN LOCK (ADAPTOR)	PVC
	HARDWARE		
12	4231-1000	ROLLER	AMESBURY
13	A09200427XX	CAM LOCK	TRUTH
14	C09659XX	KEEPER	TRUTH
15A	---	WEATHERSTRIP - MEETING RAI	.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 OR VENT/SASH LITE.

- 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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SERIES 8700 VINYL XO-OX HORIZONTAL SLIDING WINDOW INSTALLATION ANCHORAGE DETAILS	DATE	BY	REVISION DESCRIPTION	NO.
	06/05/2024	RJA	UPDATE TO 9TH EDITION (2026) FBC	A

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