

RENAISSANCE WINDOWS AND DOORS

SERIES 9700 VINYL XO-OX HORIZONTAL SLIDING WINDOW

INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, EVALUATED AND DESIGNED TO THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. TESTING WAS CONDUCTED IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-08/11, ASTM E1886-05 AND ASTM E1996-05/09.
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NCTL-210-4128-04 AND ASSOCIATED LABORATORY DRAWINGS BY NATIONAL CERTIFIED TESTING LABORATORIES.
3. THIS PRODUCT EVALUATION DOCUMENT IS NOT FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
4. 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.
5. 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.
6. WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST,THIS PRODUCT DOES NOT REQUIRE OPENING PROTECTION IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE USING AN APPROVED IMPACT PROTECTION DEVICE.
7. 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.
8. MATERIALS

8.1. WINDOW FRAME MATERIAL: VINYL (PVC).

8.2. LAMINATED GLAZING INTERLAYER: KURARAY AMERICA, INC. TROSIFOL PVB GLASS INTERLAYER PER THE LATEST MIAMI-DADE NOTICE OF ACCEPTANCE (NOA).
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-09a.
10. DESIGNATION "O" STANDS FOR FIXED LITE AND "X" STANDS FOR OPERABLE VENT/SASH LITE.
11. 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 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.

5.6. TOLERANCE ON ANCHOR LOCATION IS +/-1 INCH.
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
NOMINAL 63" x 44"	SHEET 3	A	+/- 50	WIND ZONE 3 MISSILE LEVEL D

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13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 9700 VINYL XO-OX HORIZONTAL SLIDING WINDOW
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

PREPARED BY:

DRAWN BY: RJA

DATE: 3/24/2020

SCALE: N.T.S.

DRAWING NO: RWD0022

REV: First Issue

1 OF 9

DESCRIPTION
DATE
BY

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

Digitally signed by Robert J Amoruso
Date: 2020.03.27 09:06:57 -04'00'

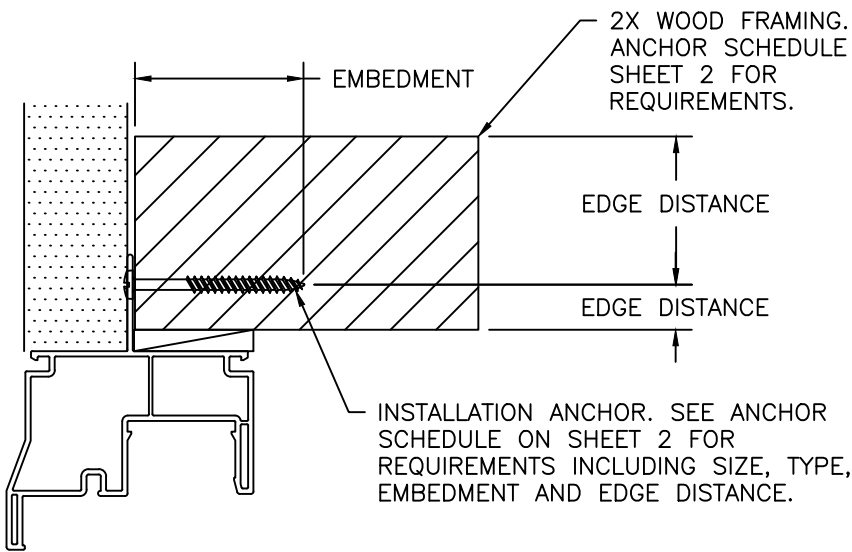
INSTALLATION ANCHOR SCHEDULE									
INSTALLATION TYPE	SECTION VIEW	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
THROUGH FRAME ANCHOR	SECTION A, B & C (SHEET 6)	HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1	1-1/8	3	MIN. 2000 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 A, B & C (SHEET 7)	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, B & C (SHEET 5)	PAN WASHER HEAD (0.352" MIN. HEAD DIAMETER)	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:

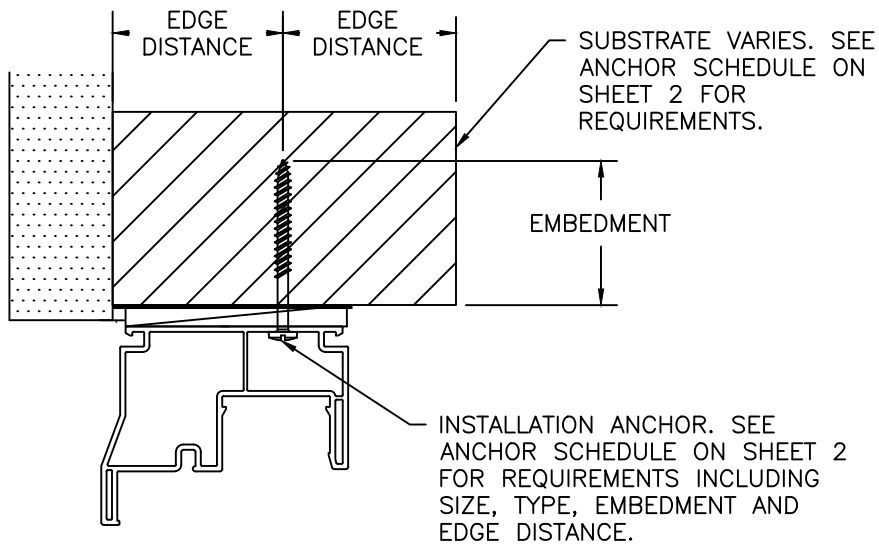
1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.

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).

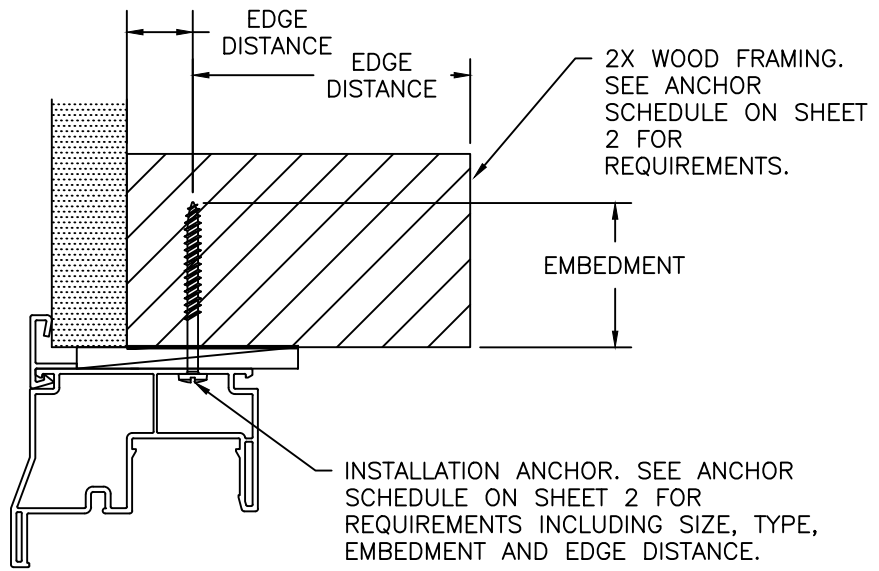
3) FOR WOOD OR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.082" PILOT HOLE (DRILL SIZE 45).



EMBEDMENT AND EDGE DISTANCE
NAILING FIN FRAME INSTALLATION



EMBEDMENT AND EDGE DISTANCE
THROUGH-FRAME INSTALLATION



EMBEDMENT AND EDGE DISTANCE
SNAP-ON FLANGE THROUGH-FRAME INSTALLATION

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JACKSONVILLE, FL 32218

TITLE: SERIES 9700 VINYL XO-OX HORIZONTAL SLIDING WINDOW ANCHOR SCHEDULE - EMBEDMENT & EDGE DISTANCE

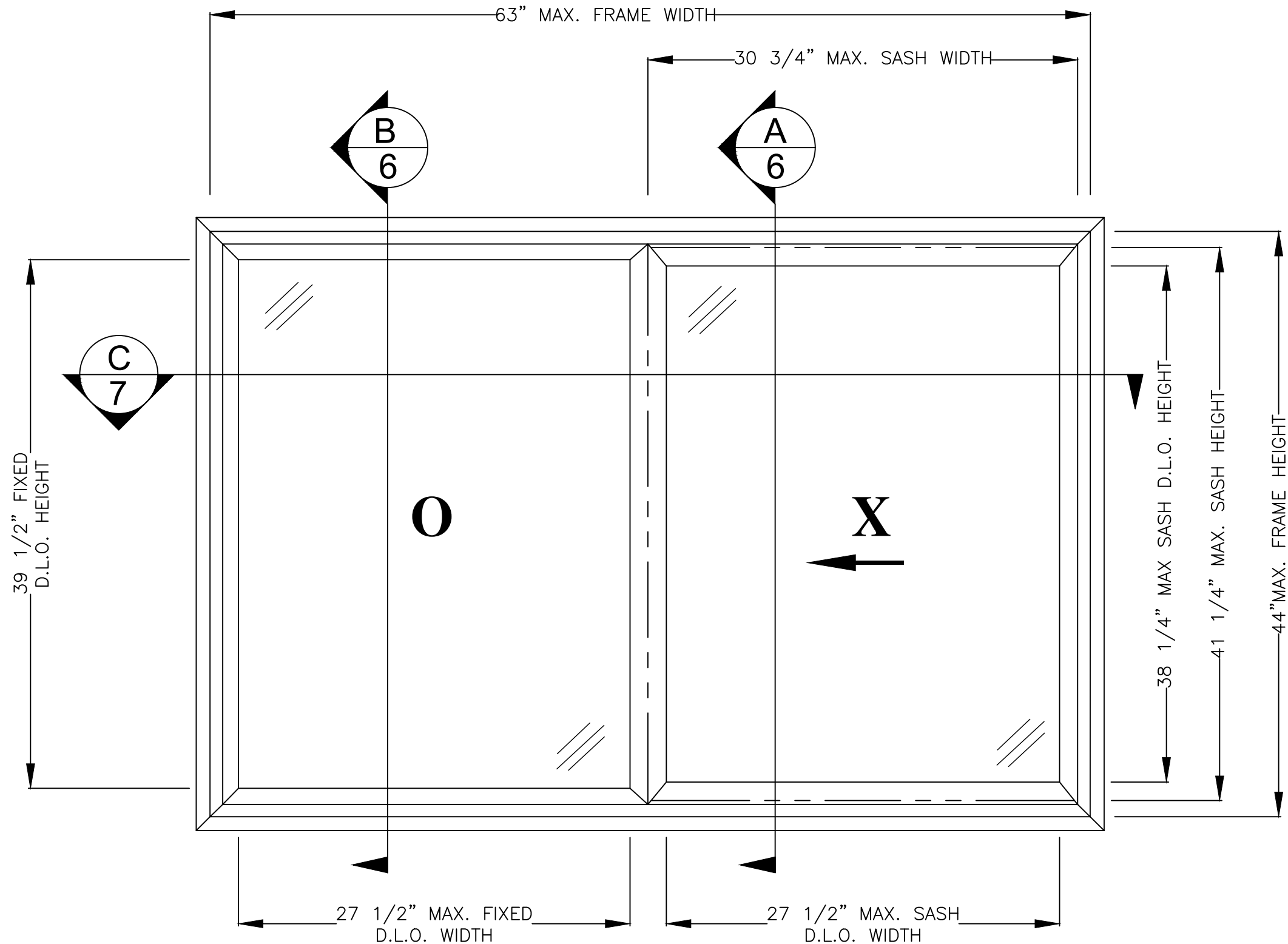
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DATE: 3/24/2020
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SHEET: 2 OF 9
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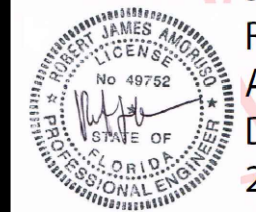
BY: DATE: DESCRIPTION: REV:

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

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SERIES 9700 VINYL HORIZONTAL SLIDING WINDOW
EXTERIOR VIEW - FIN FRAME SHOWN (FOR THROUGH FRAME ANCHORING, FIN IS REMOVED)
63" X 44" NOMINAL SIZE SHOWN
OX SHOWN - XO OPPOSITE



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TITLE: SERIES 9700 VINYL XO-OX HORIZONTAL SLIDING WINDOW
NOMINAL 63" X 44" XO/OX WINDOW ELEVATION

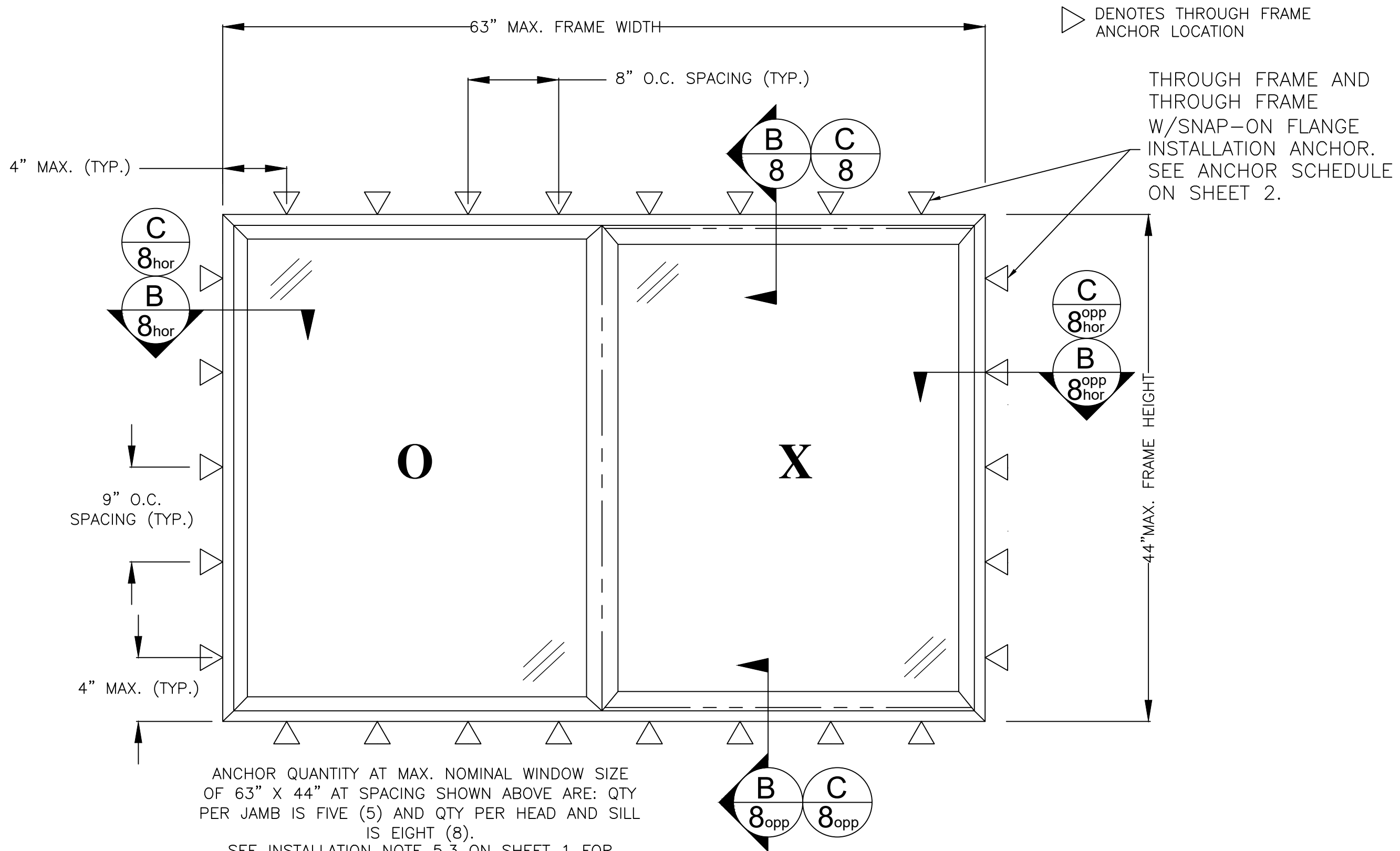
PREPARED BY:	DRAWN BY:	DATE:	REV:	SHEET:
	RJA	3/24/2020		3 OF 9
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DATE

DESCRIPTION

REV



SERIES 9700 VINYL HORIZONTAL SLIDING WINDOW

EXTERIOR VIEW (63" X 44" NOMINAL SIZE SHOWN) WITH FIN REMOVED
THROUGH FRAME ANCHOR LOCATIONS AND QUANTITIES

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JACKSONVILLE, FL 32218

TITLE: SERIES 9700 VINYL XO-OX HORIZONTAL SLIDING WINDOW
NOM. 63" X 44" THRU FRAME ANCHORING LAYOUT ELEVATION

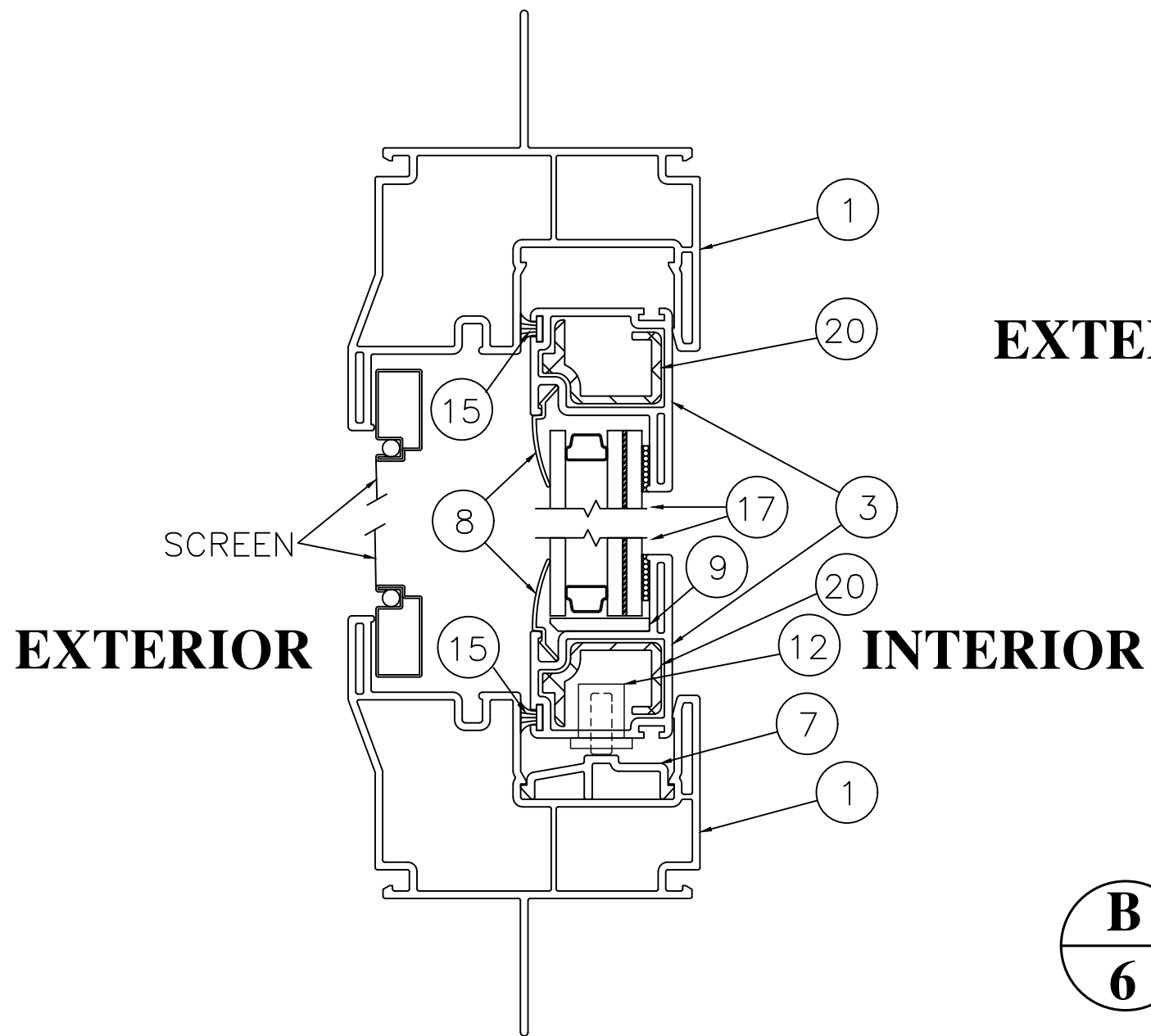
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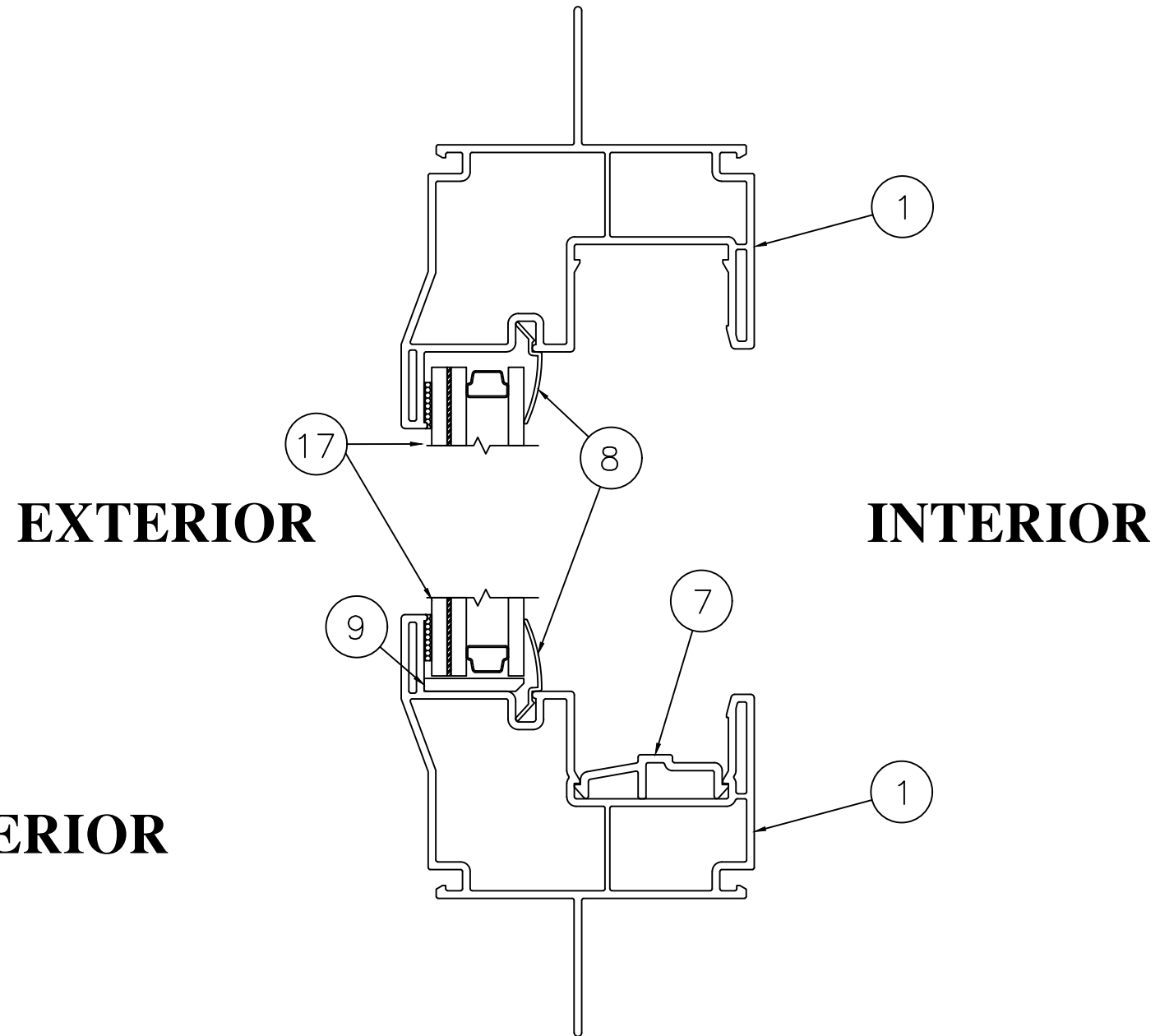
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A
OX AND XO VERTICAL CROSS SECTION - VENT
FIN FRAME ANCHORING CROSS SECTION SHOWN
THROUGH-FRAME ANCHORING CROSS SECTION
SAME WITH FIN REMOVED



B
OX AND XO VERTICAL CROSS SECTION - FIXED
FIN FRAME ANCHORING CROSS SECTION SHOWN
THROUGH-FRAME ANCHORING CROSS SECTION
SAME WITH FIN REMOVED

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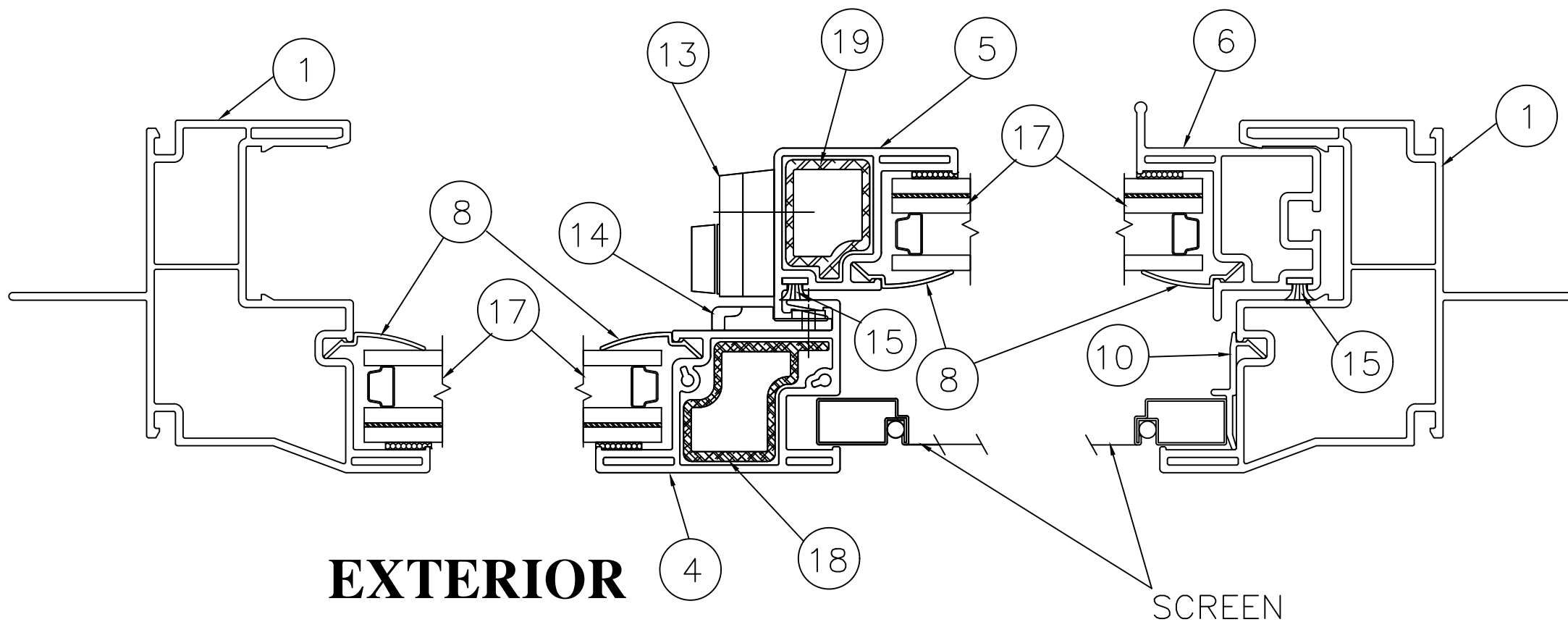
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VERTICAL CROSS SECTIONS

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SHEET: 6 OF 9
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C
7

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

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

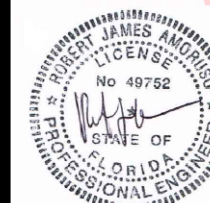
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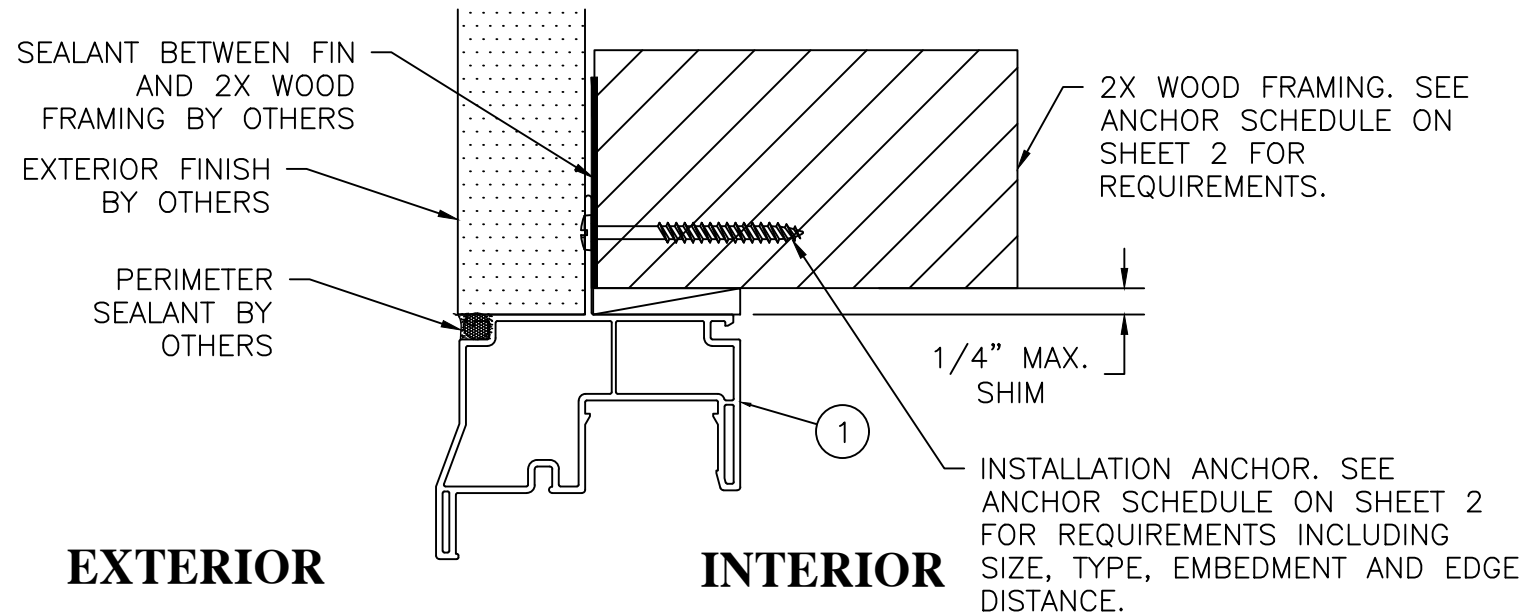
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HORIZONTAL CROSS SECTION

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	RJA	3/24/2020	
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REV:	REV:	SHEET:	BY
First Issue		7 OF 9	DATE

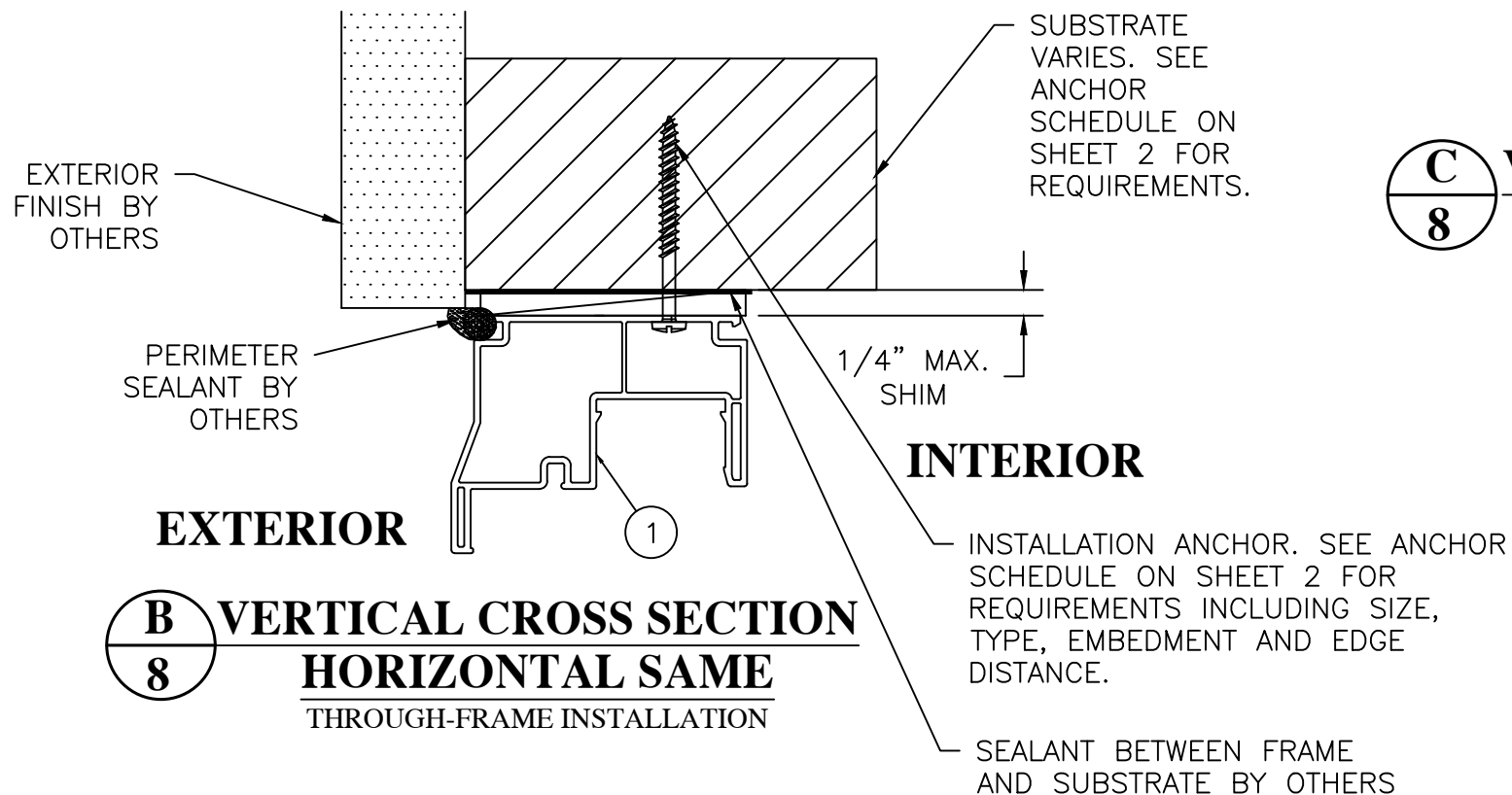
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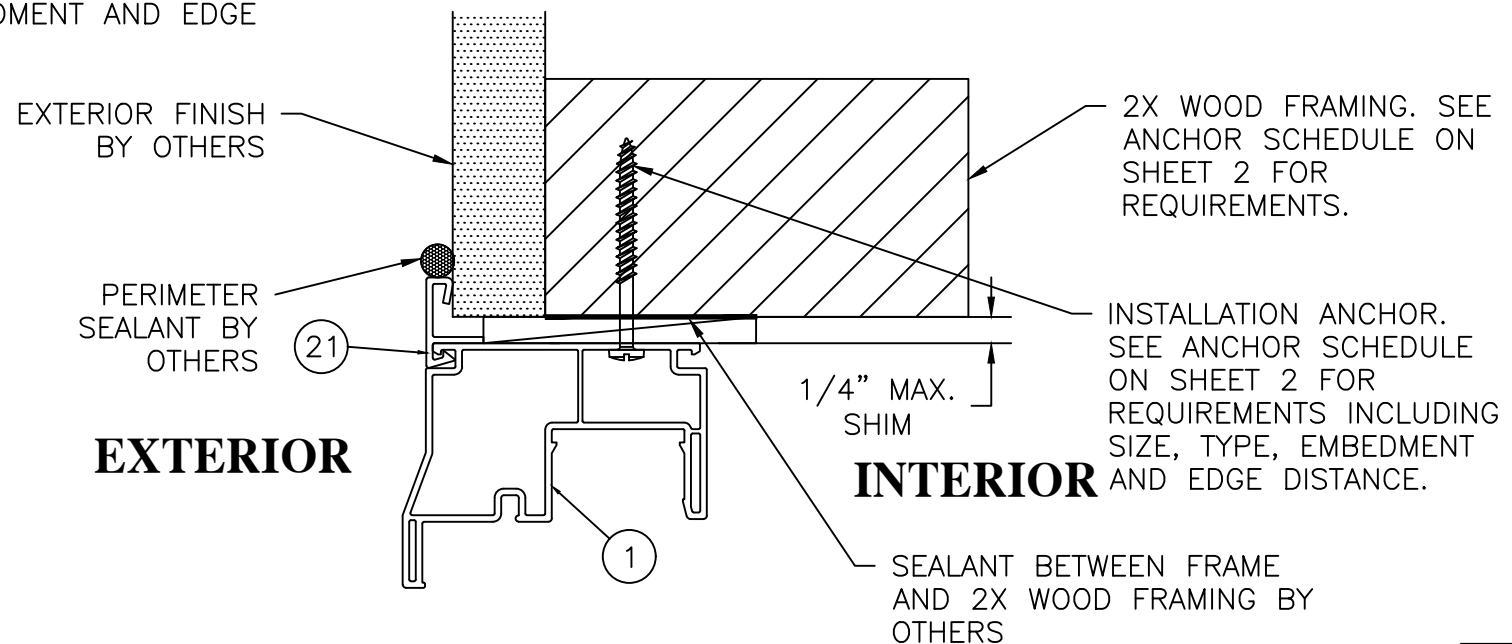
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A
8 **VERTICAL CROSS SECTION**
HORIZONTAL SAME
NAILING FIN FRAME INSTALLATION



B
8 **VERTICAL CROSS SECTION**
HORIZONTAL SAME
THROUGH-FRAME INSTALLATION



C
8 **VERTICAL CROSS SECTION**
HORIZONTAL SAME
SNAP-ON FLANGE
THROUGH-FRAME INSTALLATION

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JACKSONVILLE, FL 32218

TITLE: SERIES 9700 VINYL XO-OX HORIZONTAL SLIDING WINDOW
FIN FRAME & THROUGH FRAME ANCHORING CROSS SECTIONS

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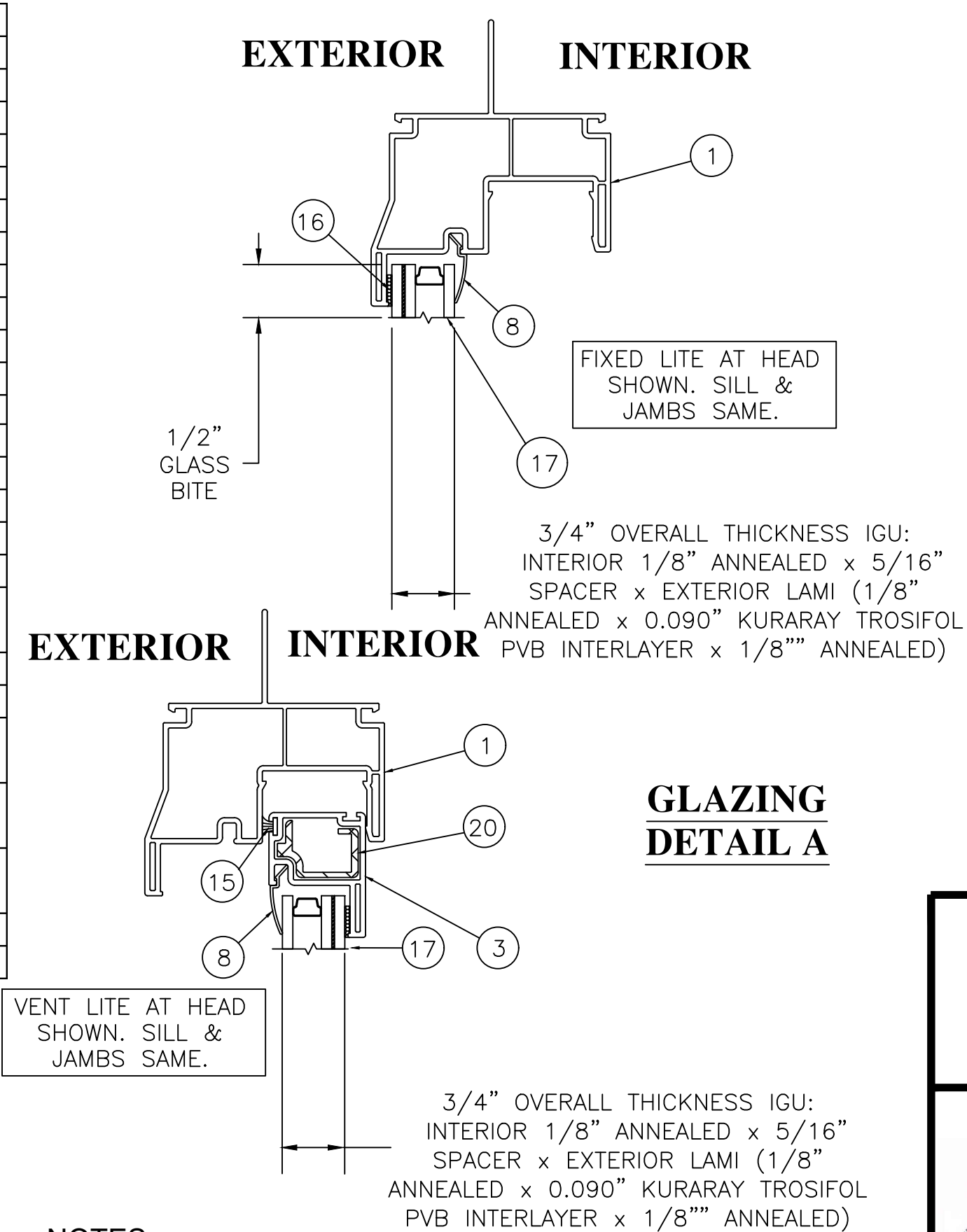
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BILL OF MATERIALS			
ITEM NO.	PART NO.	DESCRIPTION	REMARKS
1	7862	FRAME - HEAD, SILL AND JAMBS	PVC
2	7866	STILE	PVC
3	7863	RAIL	PVC
4	7864	FIXED INTERLOCK	PVC
5	7865	VENT INTERLOCK	PVC
6	7866	VENT PIVOT RAIL/STILE	PVC
7	7870	TRACK	PVC
8	6177	GLAZING BEAD	PVC
9	6555	SETTING BLOCK	NEOPRENE
10	7871	SCREEN LOCK	PVC
HARDWARE			
12	---	ROLLER	
13	---	CAM LOCK	
14	---	KEEPER	
15	---	WEATHERSTRIP	.187 x .260 FIN PILE
GLAZING			
16	---	DOW 995 WET GLAZING COMPOUND	SILICONE
17	GLAZING DETAIL A	3/4" OVERLL THICKNESS LAMINATED IGU	
REINFORCEMENT			
18	7864.1	FIXED INTERLOCK, REINFORCING BAR	ALUMINUM 6063-T5
19	7865.1	OPERABLE INTERLOCK, REINFORCING BAR	ALUMINUM 6063-T5
20	7866.1	VENT RAILS, TOP AND BOTTOM, REINFORCING BAR	ALUMINUM 6063-T5
INSTALLATION COMPONENTS			
21	8461	SNAP-ON FLANGE	PVC



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.

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GLAZING DETAILS AND NOTES / BILL OF MATERIALS

PREPARED BY: RJA
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Professional Engineer
STATE OF FLORIDA
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