RENAISSANCE WINDOWS AND DOORS
SERIES 9700 VINYL SINGLE HUNG 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-210-4128-02 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 REQUIRES 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. DESIGNATIONS "X" STANDS FOR OPERABLE LITE/SASH AND "O" STANDS FOR FIXED 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.

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 SHEETS 5 THROUGH 7 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.

TABLE OF CONTENTS

PERFORMANCE RATING

MAXIMUM WINDOW SIZE	GLAZING DETAIL (SEE SHEET 8)	DESIGN PRESSURE (PSF)	IMPACT RATING
NOMINAL 48" x 74"	A	+/- 50	WIND ZONE 3 MISSILE LEVEL D

PROJECT # 419-0901

REV	DESCRIPTION	DATE	BY

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 9700 VINYL SINGLE HUNG WINDOW
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

DRAWN BY: RJA | DATE: 3/27/2020
SCALE: N.T.S. | DRAWING NO: RWD0023
REV: First Issue | SHEET: 1 OF 8

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Date: 2020.03.27 09:06:57 -04'00'

INSTALLATION ANCHOR SCHEDULE

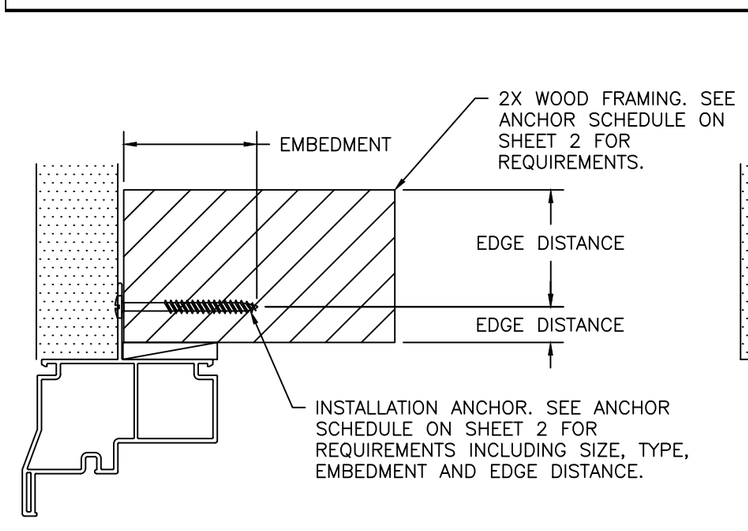
INSTALLATION TYPE	SECTION VIEW	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
THROUGH FRAME ANCHOR	SECTION A, B & C (SHEETS 7)	HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (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 ASME B18.6.4 (TAPPING SCREW) (2) GRADE 2 EQUIVALENT	1-3/8	3/4	2 1/2	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.
SNAP-ON FLANGE WITH THROUGH FRAME ANCHOR	SECTION A, B & C (SHEETS 6)	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 ASME B18.6.4 (TAPPING SCREW) (2) GRADE 2 EQUIVALENT	1-3/8	3/4	2 1/2	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.
NAILING FIN ANCHOR	SECTION A, B & C (SHEETS 5)	PAN HEAD	No. 8	WOOD	ANSI B18.6.1 (WOOD SCREW) (3) GRADE 2 EQUIVALENT ASME B18.6.4 (TAPPING SCREW) (3) GRADE 2 EQUIVALENT	1-5/8	1/4	1	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.

NOTES:

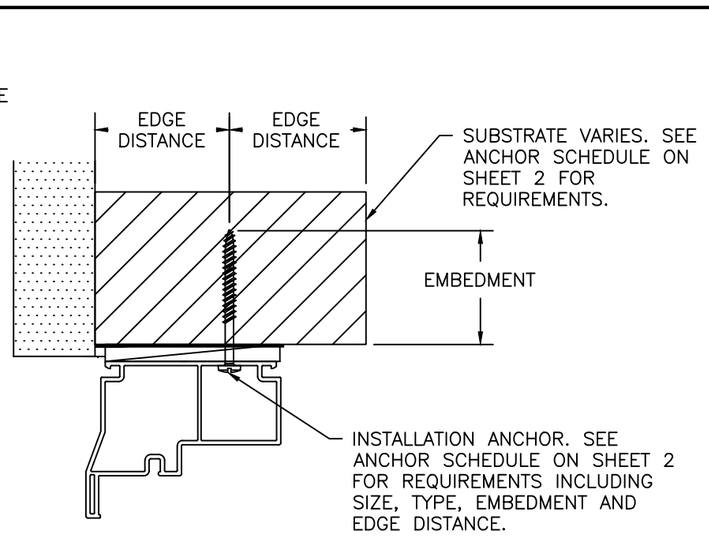
1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.

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).

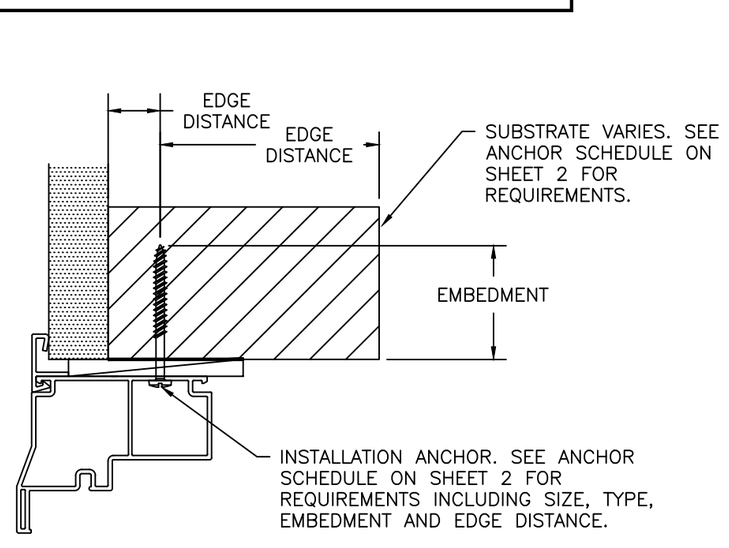
3) FOR WOOD OR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.082" PILOT HOLE (DRILL SIZE 45).



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

PROJECT # 419-0901

REV	DESCRIPTION	DATE	BY

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 9700 VINYL SINGLE HUNG WINDOW
ANCHOR SCHEDULE - EMBEDMENT & EDGE DISTANCE

DRAWN BY: RJA | DATE: 3/27/2020
SCALE: N.T.S. | DRAWING NO: RWD0023
REV: First Issue | SHEET: 2 OF 8

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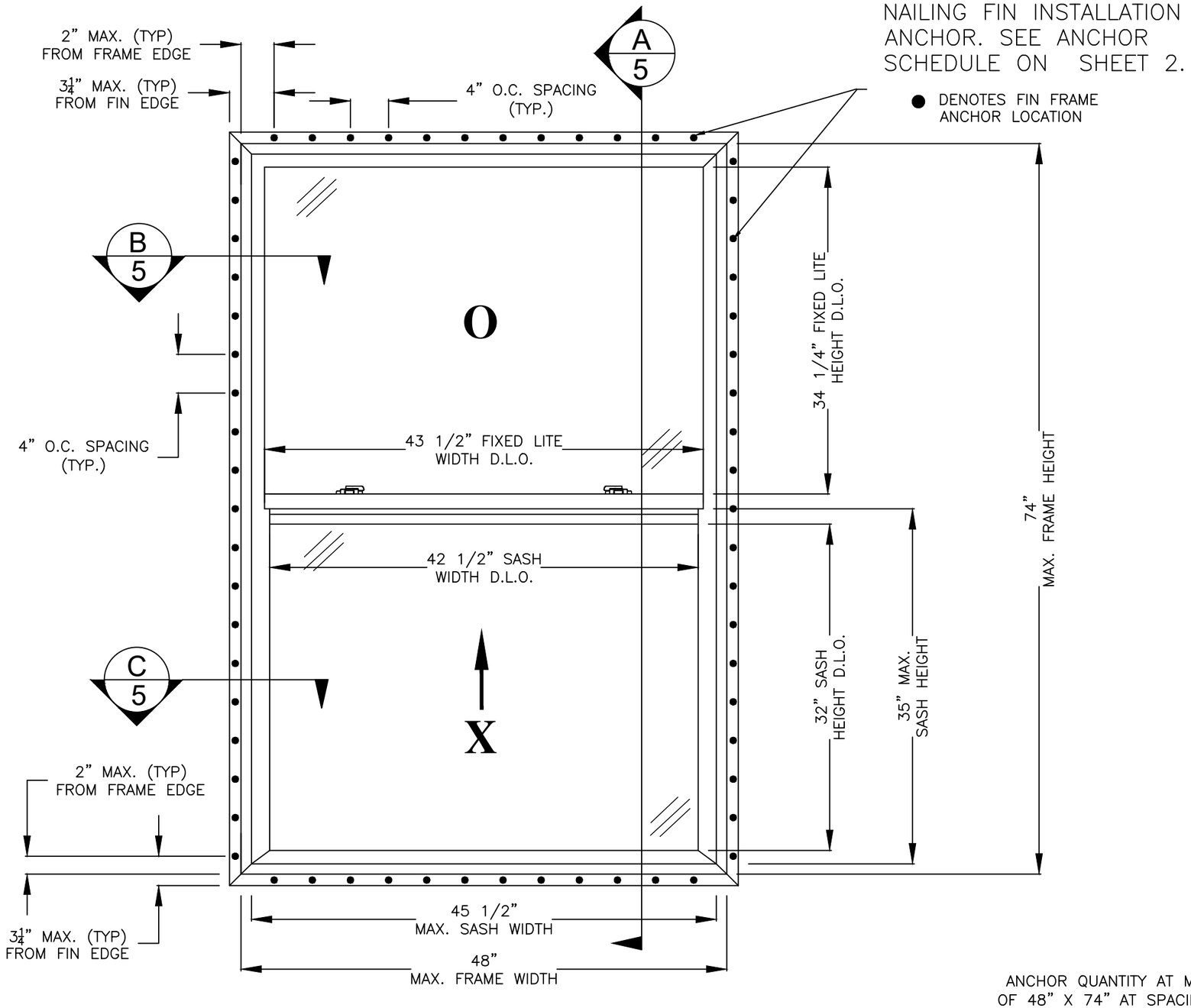

SERIES 9700 VINYL SINGLE HUNG WINDOW

EXTERIOR VIEW

48" x 74" NOMINAL SIZE - GLAZING DETAIL A

NAILING FINE (FIN FRAME) ANCHOR INSTALLATION

ANCHOR QUANTITY AT MAX. NOMINAL WINDOW SIZE OF 48" X 74" AT SPACING SHOWN ABOVE ARE: QTY PER JAMB IS NINETEEN (19) AND QTY PER HEAD AND SILL IS TWELVE (12).
SEE INSTALLATION NOTE 5.3 ON SHEET 1 FOR DETAILS ON SMALLER WINDOW SIZES.

PROJECT # 419-0901	REV	DESCRIPTION	DATE	BY

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 9700 VINYL SINGLE HUNG WINDOW
48" x 74" WINDOW ELEVATION/NAILING FIN (FIN FRAME) ANCHORING LAYOUT

DRAWN BY: RJA | SCALE: N.T.S. | REV: First Issue | DATE: 3/27/2020 | DRAWING NO: RWD0023 | SHEET: 3 OF 8

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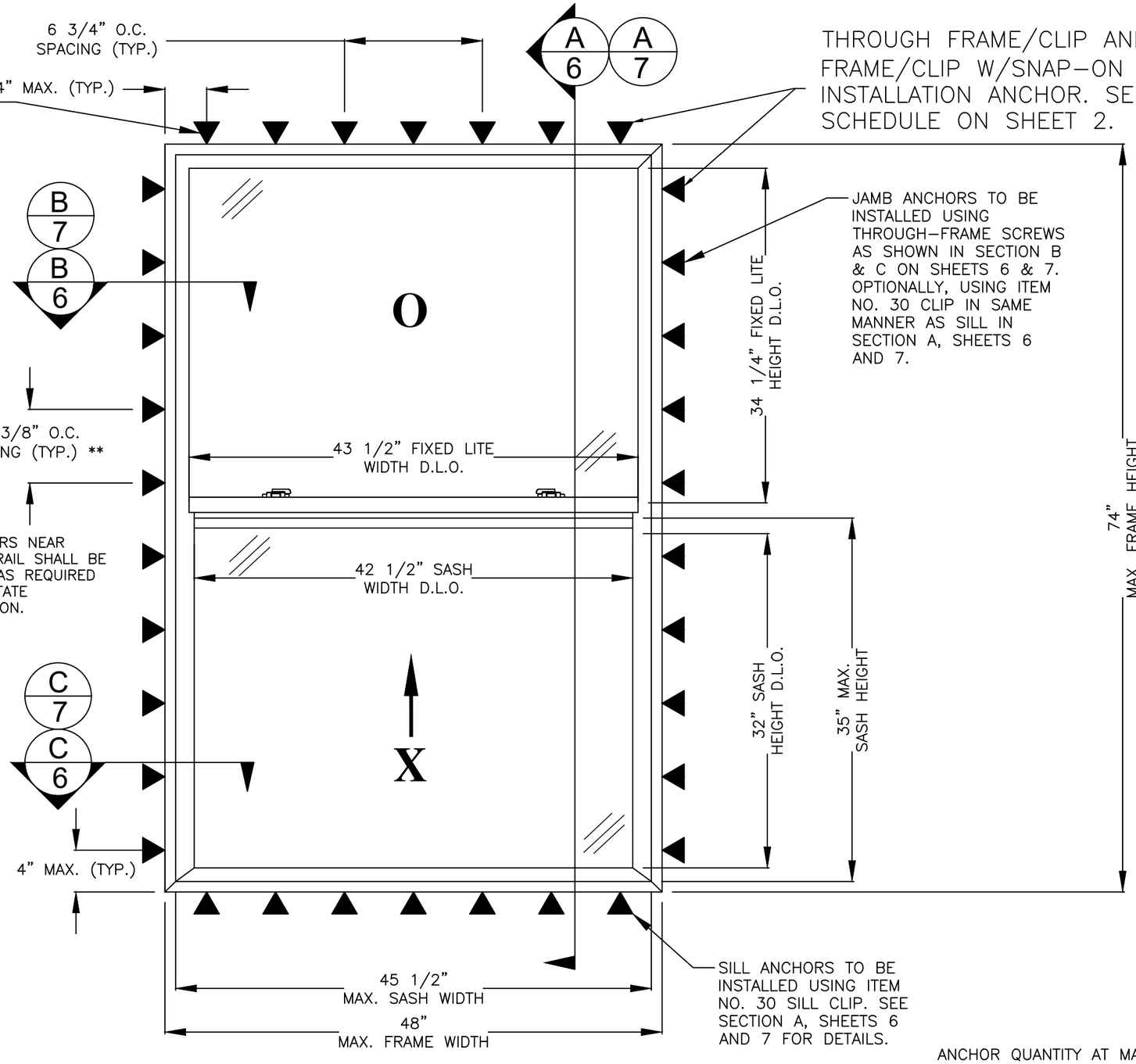

SERIES 9700 VINYL SINGLE HUNG WINDOW

EXTERIOR VIEW

48" x 74" NOMINAL SIZE - GLAZING DETAIL A

THROUGH-FRAME/CLIP ANCHOR INSTALLATION

ANCHOR QUANTITY AT MAX. NOMINAL WINDOW SIZE OF 48" X 74" AT SPACING SHOWN ABOVE ARE: QTY PER JAMB IS TEN (10) AND QTY PER HEAD AND SILL IS SEVEN (7).
SEE INSTALLATION NOTE 5.3 ON SHEET 1 FOR DETAILS ON SMALLER WINDOW SIZES.

▶ DENOTES THROUGH FRAME ANCHOR LOCATION

PROJECT # 419-0901

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13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 9700 VINYL SINGLE HUNG WINDOW
48" x 74" WINDOW ELEVATION/THROUGH FRAME ANCHORING LAYOUT

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SCALE: N.T.S. | DRAWING NO: RWD0023
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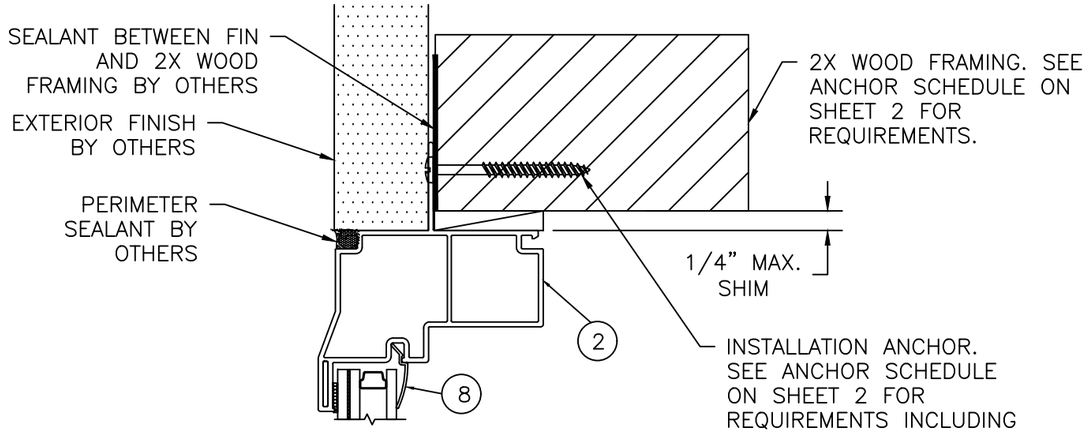
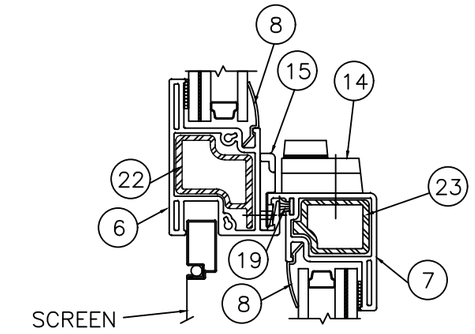
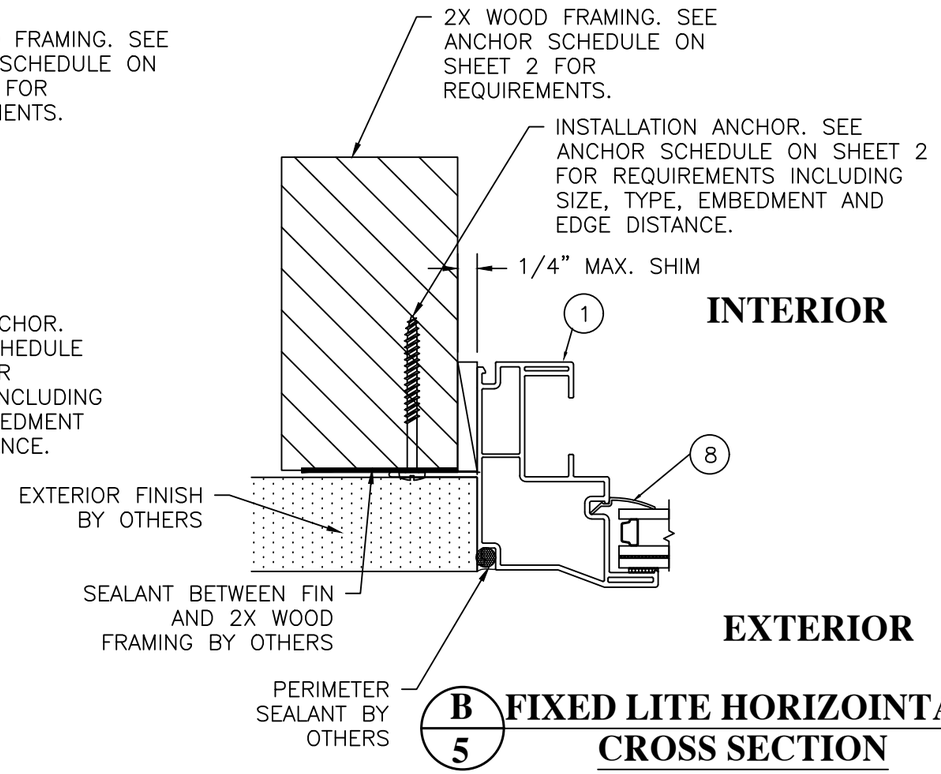




EXTERIOR

INTERIOR

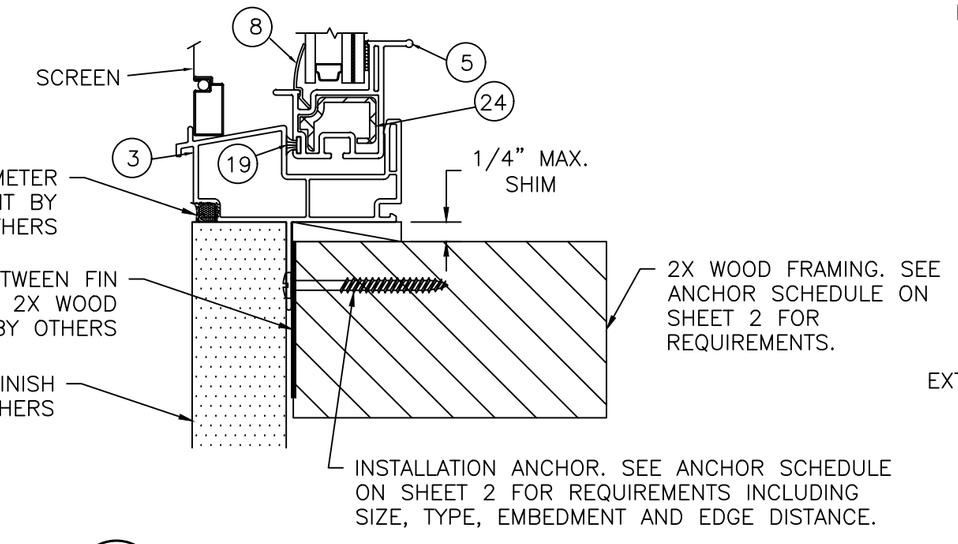


INTERIOR

EXTERIOR

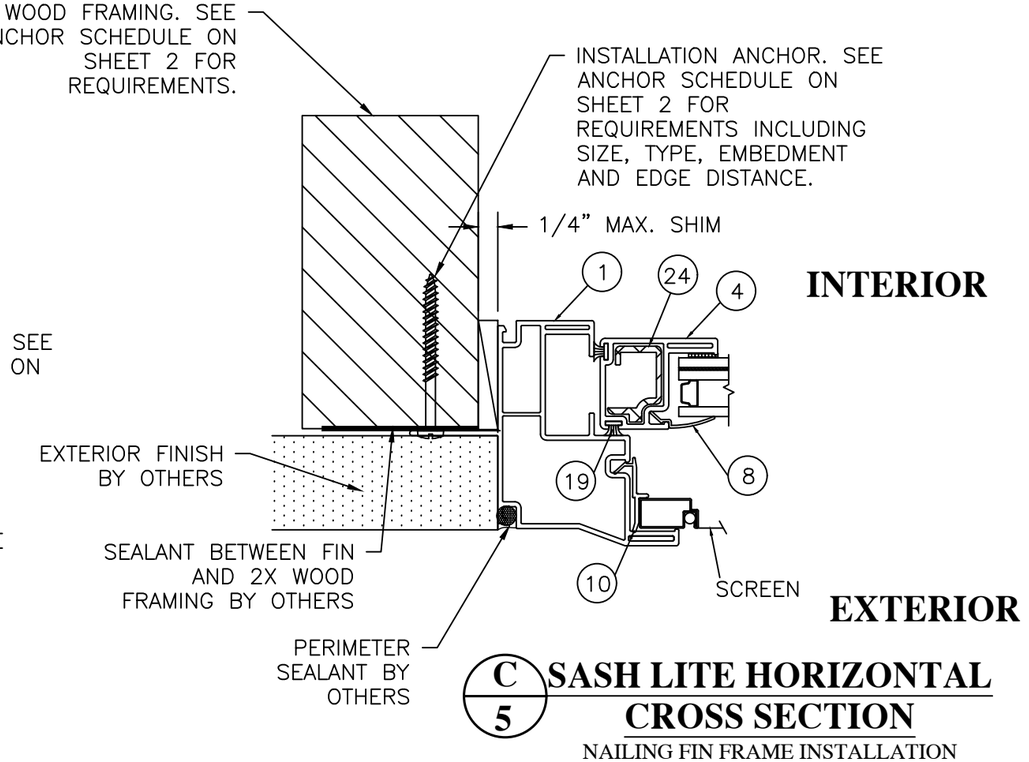
B/5 FIXED LITE HORIZOINTAL CROSS SECTION

NAILING FIN FRAME INSTALLATION



A/5 VERTICAL CROSS SECTION

NAILING FIN FRAME INSTALLATION



INTERIOR

EXTERIOR

C/5 SASH LITE HORIZONTAL CROSS SECTION

NAILING FIN FRAME INSTALLATION

PROJECT # 419-0901

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13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

SERIES 9700 VINYL SINGLE HUNG WINDOW
NAILING FIN (FIN FRAME) INSTALLATION

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RJA	N.T.S.	First Issue	3/27/2020	RWD0023	5 OF 8

TITLE:

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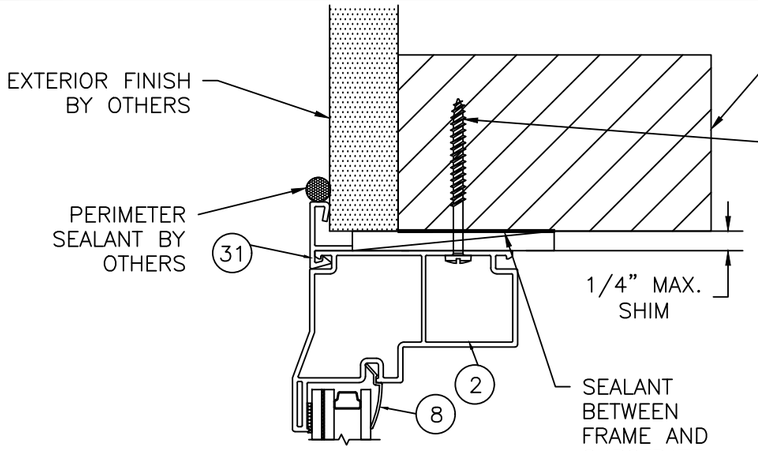
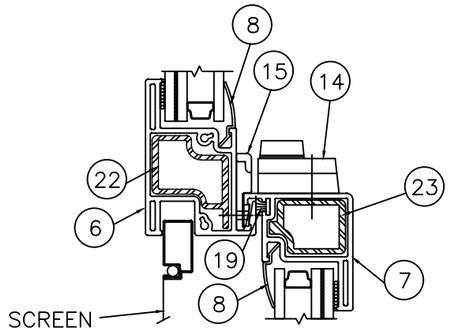
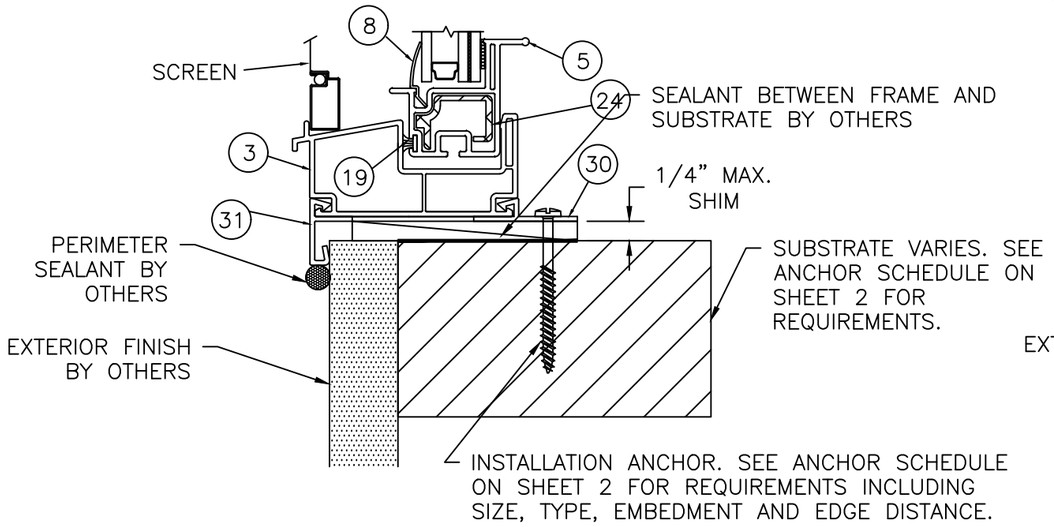
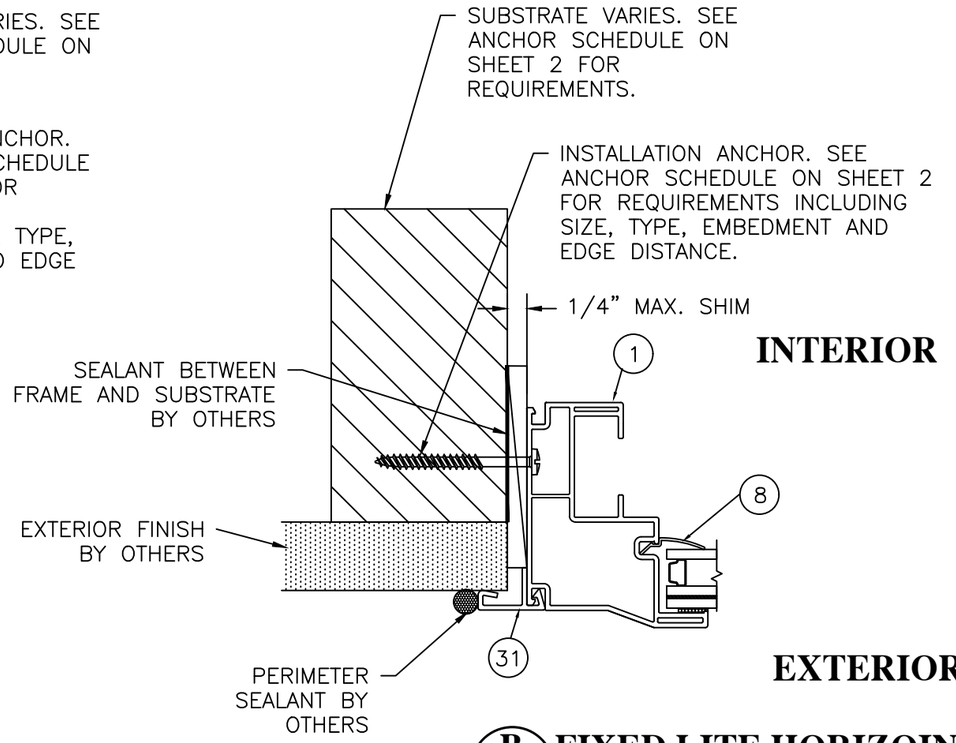




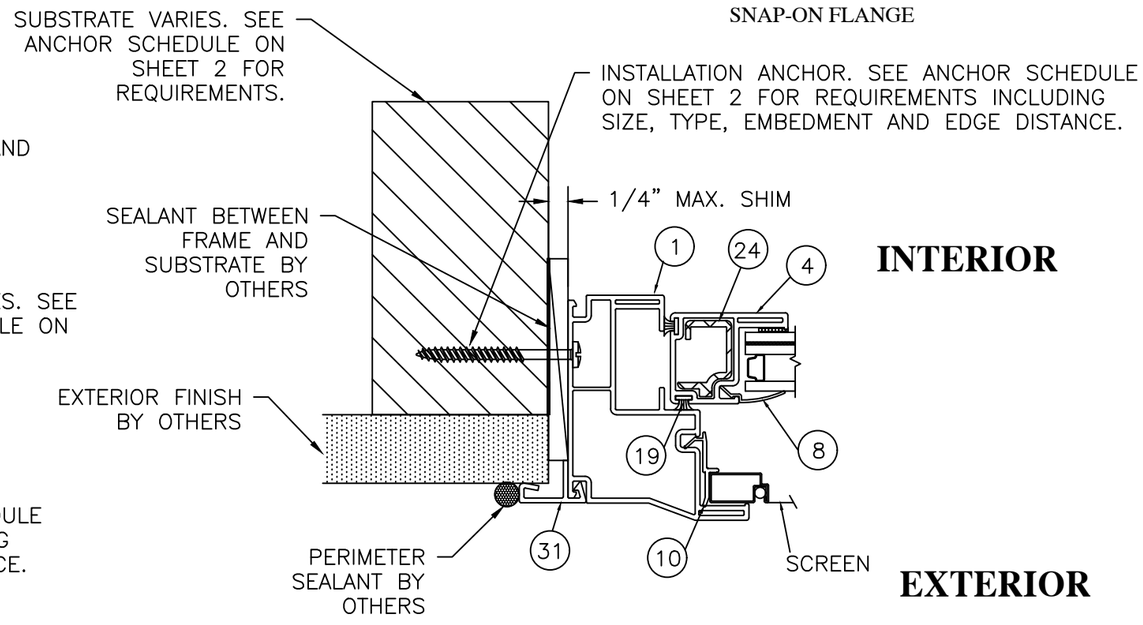
EXTERIOR **INTERIOR**



A / 6 VERTICAL CROSS SECTION
THROUGH-FRAME INSTALLATION
SNAP-ON FLANGE



B / 6 FIXED LITE HORIZOINTAL CROSS SECTION
THROUGH-FRAME INSTALLATION
SNAP-ON FLANGE



C / 6 SASH LITE HORIZONTAL CROSS SECTION
THROUGH-FRAME INSTALLATION
SNAP-ON FLANGE

PROJECT # 419-0901

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RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

SERIES 9700 VINYL SINGLE HUNG WINDOW
THROUGH FRAME INSTALLATION W/ FLANGE

TITLE:

DRAWN BY:	DATE:	SHEET:
RJA	3/27/2020	6 OF 8
SCALE: N.T.S.	DRAWING NO: RWD0023	REV: First Issue

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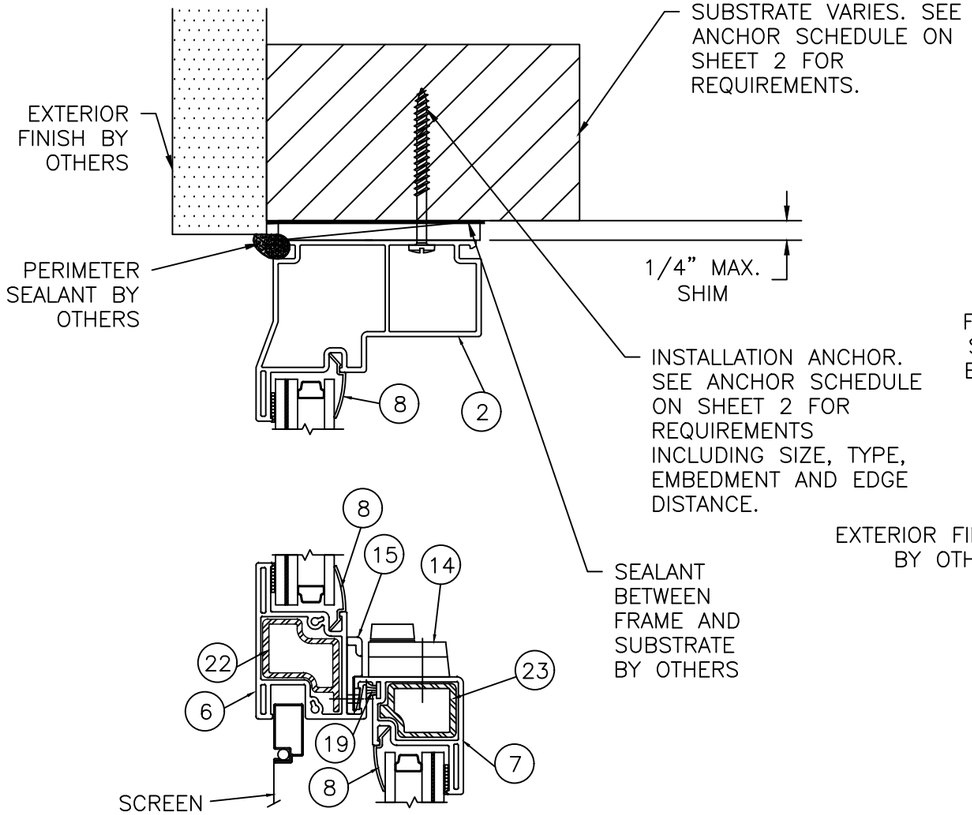
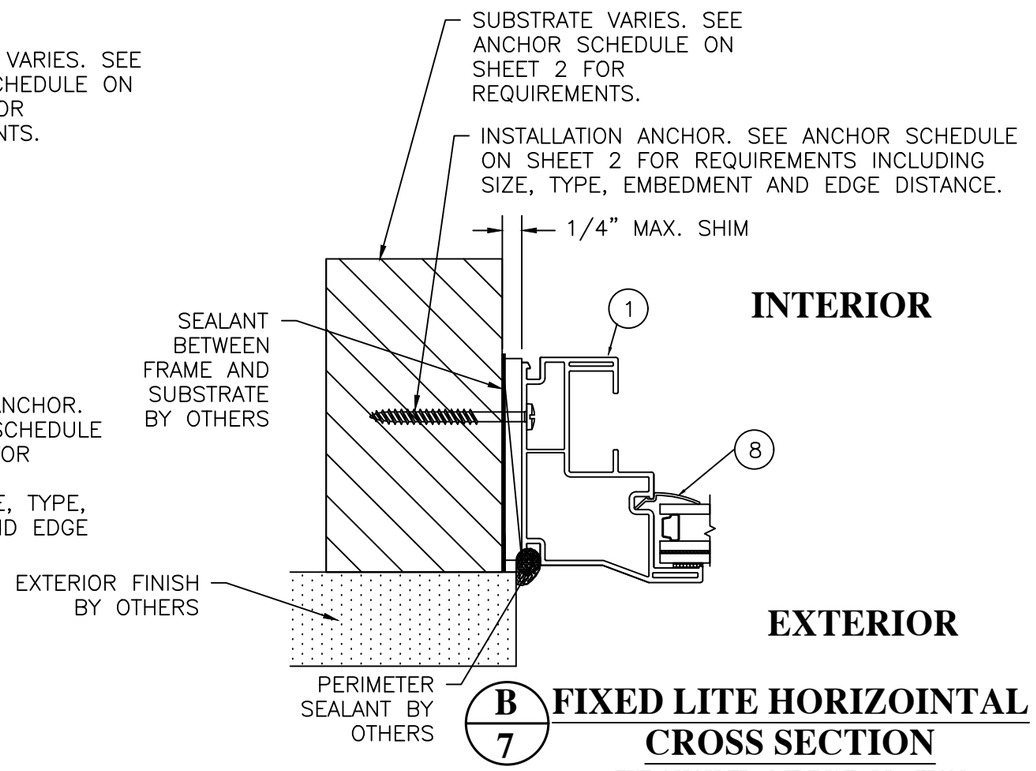
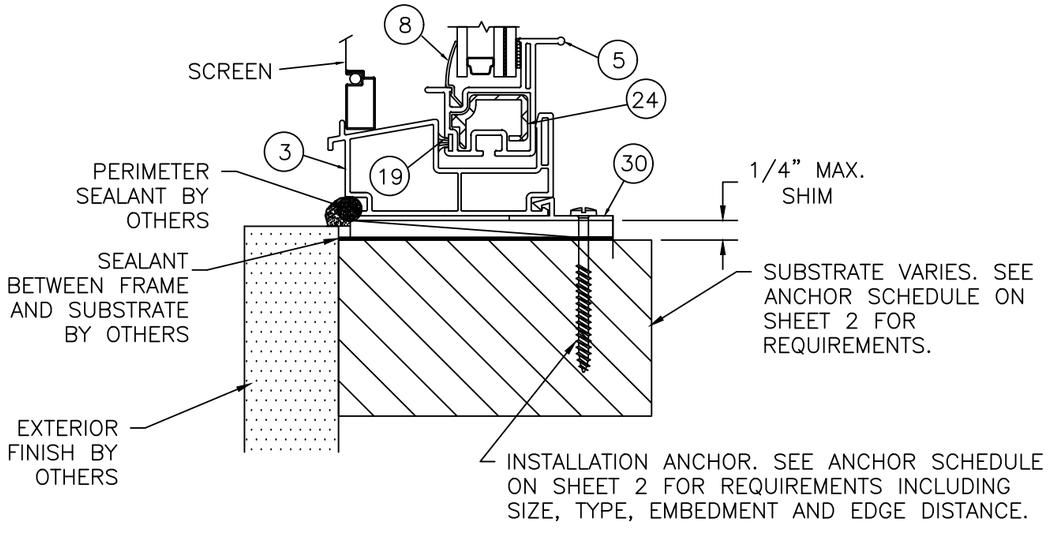
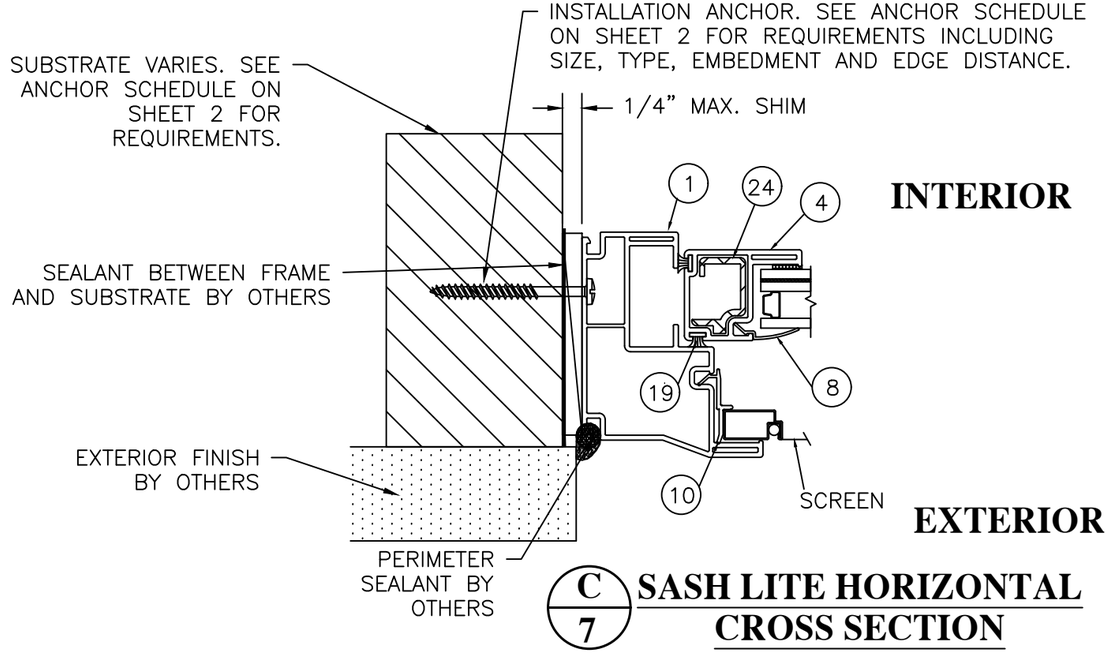




B / 7 FIXED LITE HORIZOINTAL CROSS SECTION
THROUGH-FRAME INSTALLATION



A / 7 VERTICAL CROSS SECTION
THROUGH-FRAME INSTALLATION



C / 7 SASH LITE HORIZONTAL CROSS SECTION
THROUGH-FRAME INSTALLATION

PROJECT # 419-0901

REV	DESCRIPTION	DATE	BY

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

SERIES 9700 VINYL SINGLE HUNG WINDOW
THROUGH FRAME INSTALLATION

DRAWN BY: RJA
DATE: 3/27/2020
SCALE: N.T.S.
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SHEET: 7 OF 8

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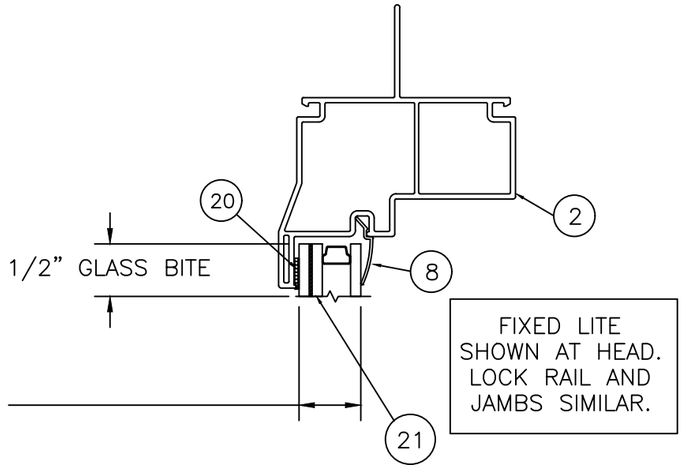
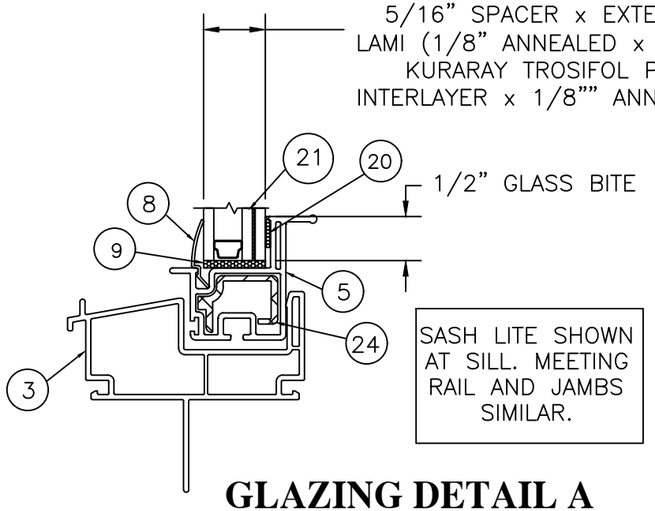


3/4" OVERALL THICKNESS IGU: INTERIOR 1/8" ANNEALED x 5/16" SPACER x EXTERIOR LAMI (1/8" ANNEALED x 0.090" KURARAY TROSIFOL PVB INTERLAYER x 1/8"" ANNEALED)

GLAZING DETAIL A



GLAZING DETAIL A

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.

BILL OF MATERIALS 9700 SERIES SH			
BOM NO.	**PART NO.**	**DESCRIPTION**	**REMARKS**
1	7867	JAMB	PVC
2	7868	HEAD	PVC
3	7869	SILL	PVC
4	7863	VENT STILE	PVC
5	7866	VENT RAIL	PVC
6	7864	FIXED INTERLOCK	PVC
7	7865	VENT INTERLOCK	PVC
8	6177	GLAZING BEAD	PVC
9	STGBLK	SETTING BLOCK	NOT SHOWN
10	7871	SCREEN LOCK	OPTIONAL
HARDWARE			
12	9208	BASE	NOT SHOWN
13	9202	LEVER	NOT SHOWN
14	SHLK	CAM	
15	SHLKKPR	KEEPER	
16	677204	CAM LOCK (OPTIONAL)	USED IN DP50 TEST
17	677133	KEEPER (OPTIONAL)	USED IN DP50 TEST
18	110-5/MRBLCK	MEETING RAIL BLOCK	Apply 7864 to 7988 T-Bar
WEATHERSTRIPPNG			
19		WEATHERSTRIP	.187 x .270 FIN PILE
GLAZING			
20		DOW 995 WET GLAZING COMPOUND	SILICONE
21	GLAZING DETAIL A	3/4" OVERLL THICKNESS LAMINATED IGU	
REINFORCEMENT			
22	7864.1	FIXED INTERLOCK, REINFORCING BAR	ALUMINUM 6063-T5
23	7865.1	OPERABLE INTERLOCK, REINFORCING BAR	ALUMINUM 6063-T5
24	7866.1	VENT RAILS, TOP AND BOTTOM, REINFORCING BAR	ALUMINUM 6063-T5
BALANCE AND TILT COMPONENTS			
25	700 SERIES	BALANCE (CONSTANT FORCE)	NOT SHOWN
26	728	PIVOT LOCK SHOE (1.292" x .562")	NOT SHOWN
27	275	PIVOT BAR	NOT SHOWN
28	9637	ANCHOR	NOT SHOWN
29	76800/76900	TILT LATCH ASSEMBLY	NOT SHOWN
INSTALLATION COMPONENTS			
30	6384	SILL CLIP	PVC
31	8864	SNAP-ON FLANGE	PVC

PROJECT # 419-0901

REV	DESCRIPTION	DATE	BY

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 9700 VINYL SINGLE HUNG WINDOW
GLAZING DETAILS AND BOM

DRAWN BY: RJA | DATE: 3/27/2020 | SHEET: 8 OF 8
SCALE: N.T.S. | DRAWING NO: RWD0023
REV: First Issue

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Date: 2020.03.27 09:06:57 -04'00'