

RENAISSANCE WINDOWS AND DOORS

SERIES 8700 VINYL SINGLE HUNG WINDOW NON-HVHZ, NON-IMPACT INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON TEST REPORT NO. 2616T0005, 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 E1300-09a.
9. DESIGNATIONS "X" STANDS FOR OPERABLE LITE/SASH AND "O" STANDS FOR FIXED 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.

TABLE OF CONTENTS	
SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES, TABLE OF CONTENTS
2	ANCHOR SCHEDULE - EMBEDMENT AND EDGE DISTANCE
3	53" x 63" WINDOW ELEVATION/NAILING FIN (FIN FRAME) ANCHORING LAYOUT
4	53" x 63" WINDOW ELEVATION/THROUGH FRAME ANCHORING LAYOUT
5	NAILING FIN (FIN FRAME) INSTALLATION
6	THROUGH FRAME INSTALLATION W/ FLANGE
7	THROUGH FRAME INSTALLATION
8	GLAZING DETAILS AND BILL OF MATERIALS (BOM)

PERFORMANCE RATING				
MAXIMUM WINDOW SIZE	ELEVATION	GLAZING DETAIL (SEE SHEET 8)	DESIGN PRESSURE (PSF)	IMPACT RATING
FIN FRAME INSTALLATION NOMINAL 54" x 76"	SHEET 3	A	+/- 35	NONE SEE NOTE 5
RETRO (THROUGH) FRAME INSTALLATION NOMINAL 54" x 76"	SHEET 4	A	+/- 40	NONE SEE NOTE 5

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.
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.

RENAISSANCE WINDOWS
AND DOORS
13340 INTERNATIONAL
PARKWAY
JACKSONVILLE, FL 32218

SERIES 8700 VINYL SINGLE HUNG WINDOW ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
	NO.				

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

ROBERT J. AMORUSO, P.E.
FL P.E. No. 49752
226 N NOVA RD, NO. 142,
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM



Digitally signed by
Robert J Amoruso®
Date: 2024.08.02
15:52:36 -04'00'

PROJECT#:	ACE-2024-121
DWG/REV:	RWD031, Rev 0
SHT:	1 of 8

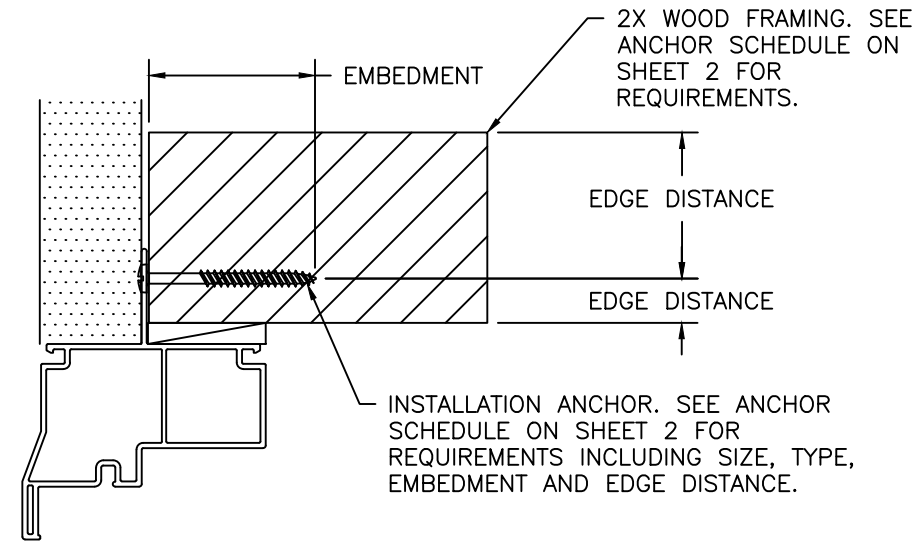
INSTALLATION ANCHOR SCHEDULE									
INSTALLATION TYPE	SECTION VIEW	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
THROUGH FRAME ANCHOR	SECTION A, B & C (SHEETS 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	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 (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	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 (SHEETS 5)	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:

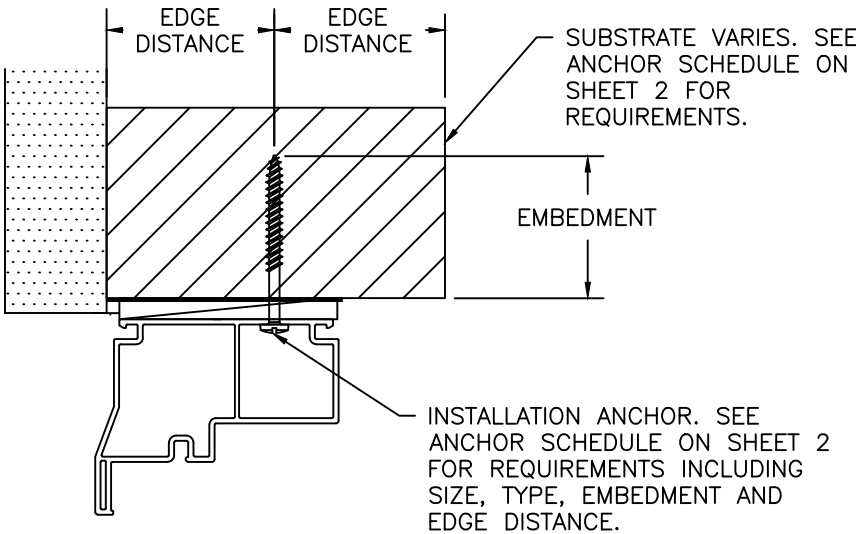
1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.

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).

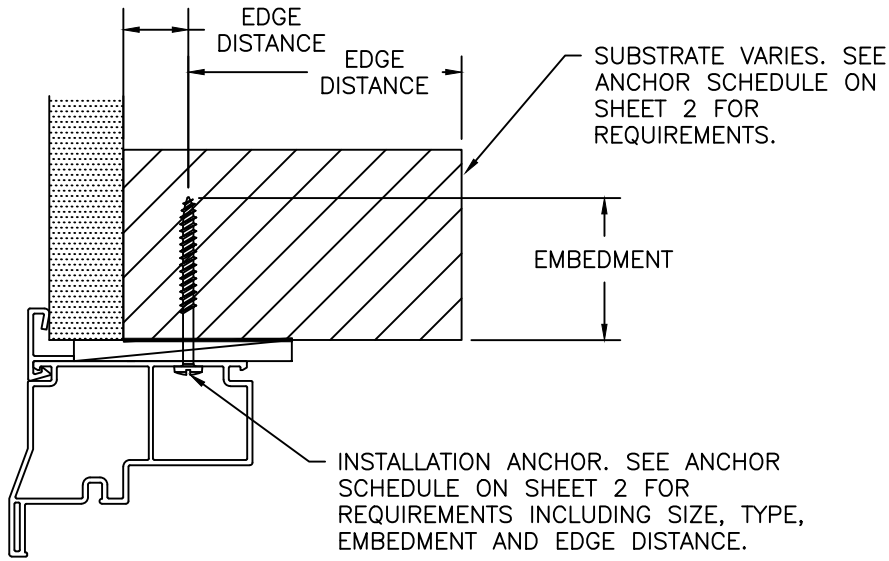
3) FOR WOOD OR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.082" PILOT HOLE (DRILL SIZE 45).



EMBEDMENT AND EDGE DISTANCE
NAILING FIN FRAME INSTALLATION



EMBEDMENT AND EDGE DISTANCE
THROUGH-FRAME INSTALLATION



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

BOM ITEM NO. 30, SILL CLIP AT SILL NOT SHOWN. EDGE DISTANCE AND EMBEDMENT SAME MANNER AS THROUGH-FRAME WITH AND W/O SNAP-ON FLANGE AT HEAD.

RENAISSANCE WINDOWS
AND DOORS
13340 INTERNATIONAL
PARKWAY
JACKSONVILLE, FL 32218

SERIES 8700 VINYL SINGLE HUNG WINDOW ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
	NO.				

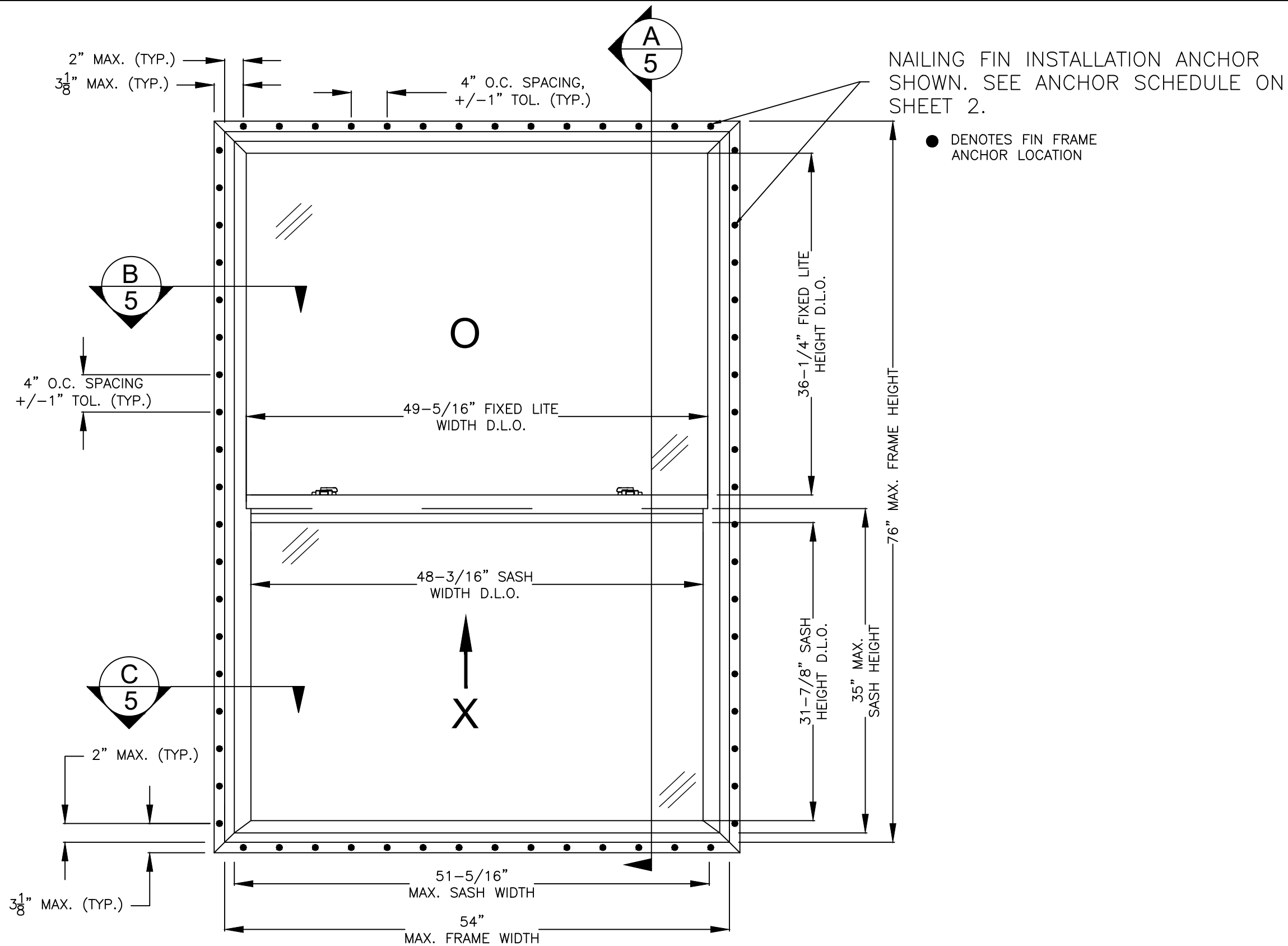
DATE: 06/05/2024	DWN BY: R/A	CHK BY: n/a	SCALE: NONE
---------------------	----------------	----------------	----------------

ROBERT J. AMORUSO, P.E.
FL P.E. No. 49752
226 N NOVA RD, NO. 142,
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM



Digitally signed
by Robert J
Amoruso
Date: 2024.08.02
15:53:37 -04'00'

PROJECT#:	ACE-2024-121
DWG/REV:	RWD031, Rev 0
SHT:	2 of 8



ANCHOR QUANTITY AT MAX. NOMINAL WINDOW SIZE OF 54" X 76" AT SPACING SHOWN ABOVE
ARE: QTY PER JAMB IS NINETEEN (19) AND QTY FOR HEAD & SILL IS FOURTEEN (14).
SEE INSTALLATION NOTE 5.3 ON SHEET 1 FOR DETAILS ON SMALLER WINDOW SIZES.

SERIES 8700 VINYL SINGLE HUNG WINDOW - 35 PSF DESIGN PRESSURE

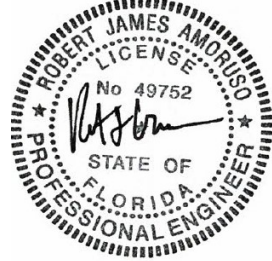
EXTERIOR VIEW
54" X 76" NOMINAL SIZE - GLAZING DETAIL A
NAILING FIN (FIN FRAME) ANCHOR INSTALLATION

RENAISSANCE WINDOWS
AND DOORS
13340 INTERNATIONAL
PARKWAY
JACKSONVILLE, FL 32218

SERIES 8700 VINYL SINGLE HUNG WINDOW ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
	NO.				

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

ROBERT J. AMORUSO, P.E.
FL P.E. No. 49752
226 N NOVA RD, NO. 142,
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM

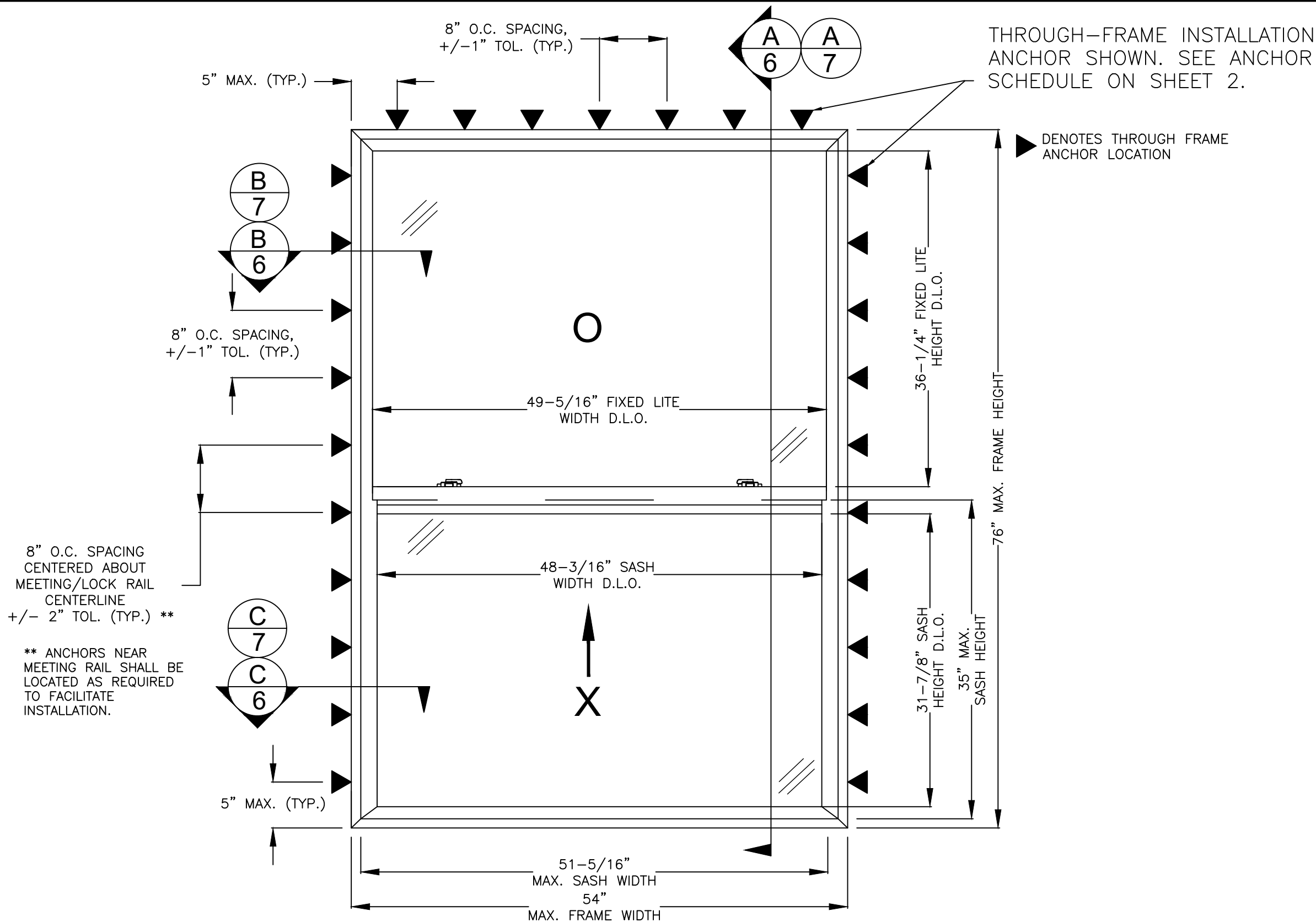


Digitally signed by
Robert J Amoruso®
Date: 2024.08.02
15:53:48 -04'00'

PROJECT#: ACE-2024-121

DWG/REV: RWD031, Rev 0

SHT: 3 of 8



ANCHOR QUANTITY AT MAX. NOMINAL WINDOW SIZE OF 54" X 76" AT SPACING SHOWN
ABOVE ARE: QTY PER JAMB IS TEN (10) AND QTY FOR HEAD IS SEVEN (7).
SEE INSTALLATION NOTE 5.3 ON SHEET 1 FOR DETAILS ON SMALLER WINDOW SIZES.

SERIES 8700 VINYL SINGLE HUNG WINDOW - 40 PSF DESIGN PRESSURE

EXTERIOR VIEW
54" X 76" NOMINAL SIZE - GLAZING DETAIL A
THROUGH-FRAME (RETRO) ANCHOR INSTALLATION

RENAISSANCE WINDOWS
AND DOORS
13340 INTERNATIONAL
PARKWAY
JACKSONVILLE, FL 32218

SERIES 8700 VINYL SINGLE HUNG WINDOW ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
	NO.				

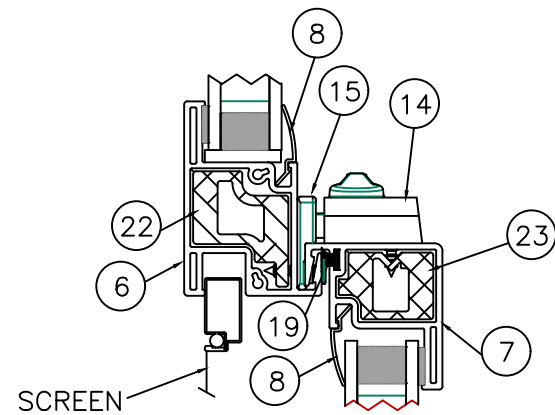
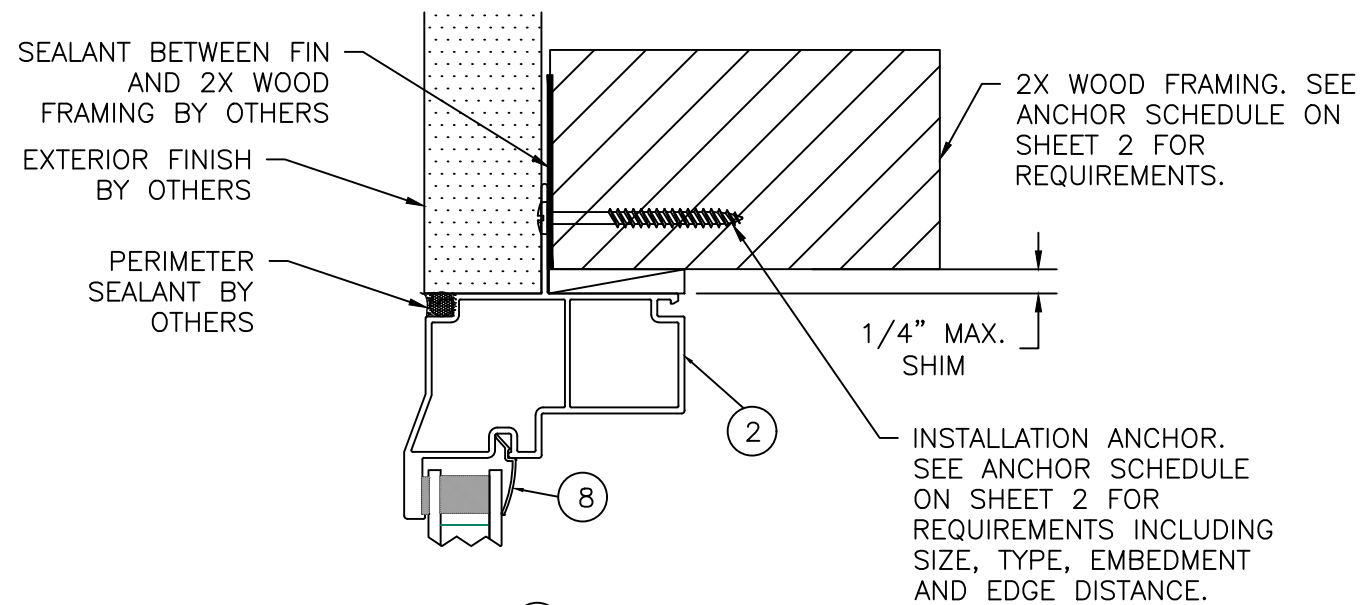
DATE: 06/05/2024	DWN BY: RJA	CHK BY: n/a	SCALE: NONE
---------------------	----------------	----------------	----------------

ROBERT J. AMORUSO, P.E.
FL P.E. No. 49752
226 N NOVA RD, NO. 142,
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM



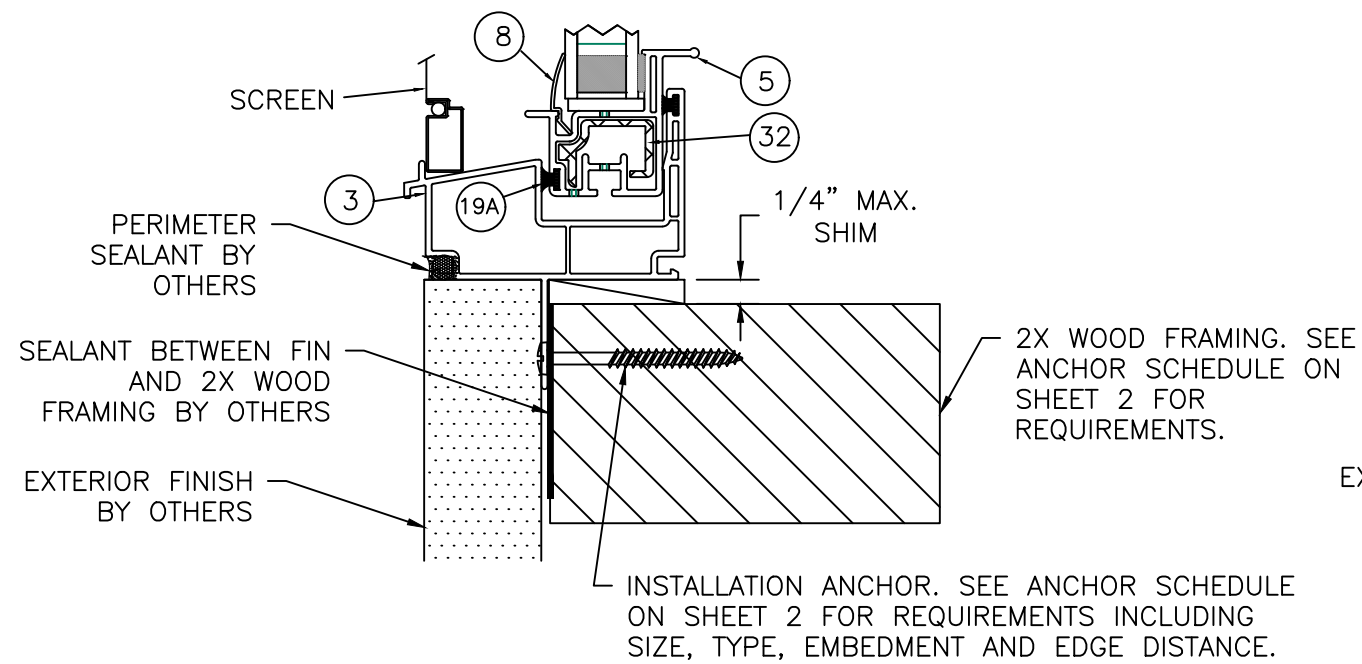
Digitally signed
by Robert J
Amoruso
Date: 2024.08.02
15:54:03 -04'00'

PROJECT#:	ACE-2024-121
DWG/REV:	RWD031, Rev 0
SHT:	4 of 8



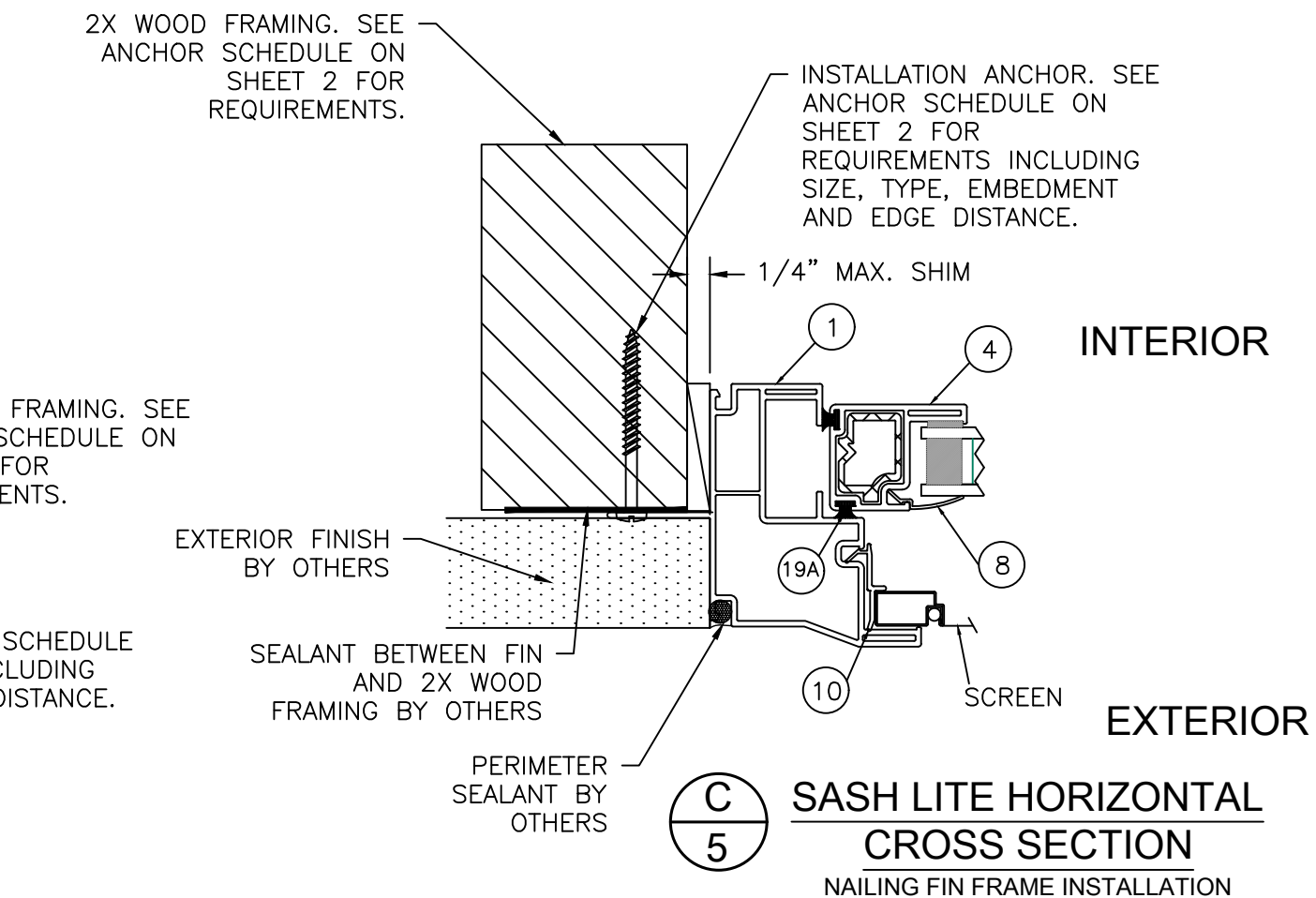
EXTERIOR

INTERIOR



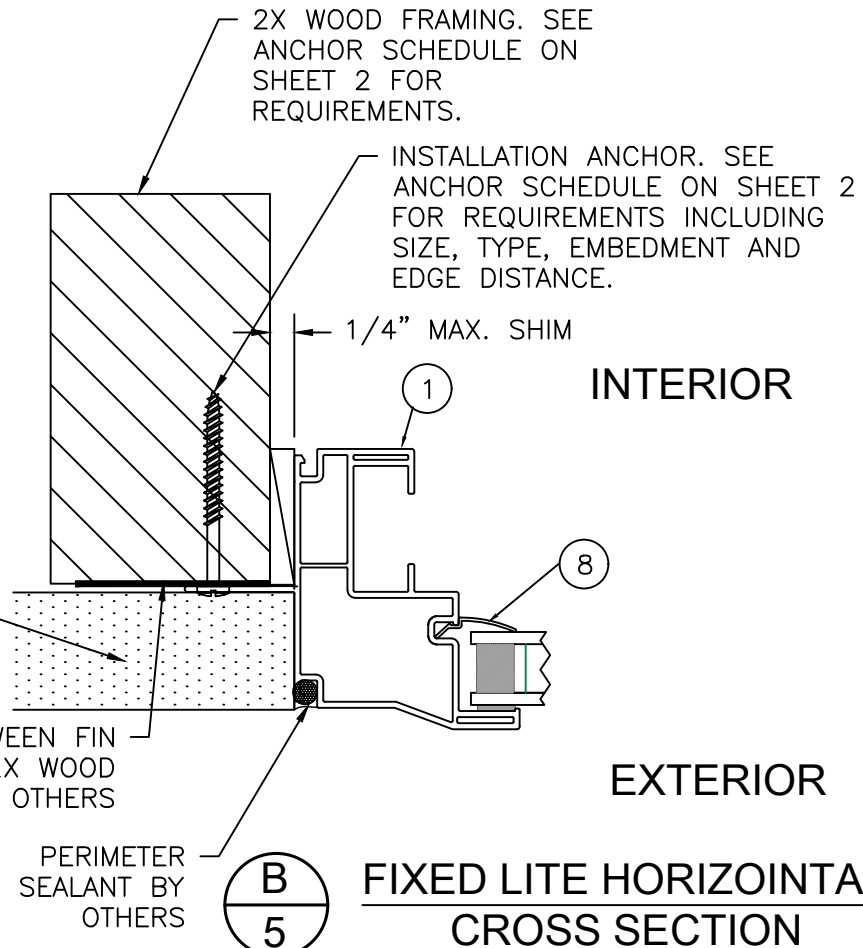
A
5

VERTICAL CROSS SECTION
NAILING FIN FRAME INSTALLATION



C
5

SASH LITE HORIZONTAL CROSS SECTION
NAILING FIN FRAME INSTALLATION



B
5

FIXED LITE HORIZONTAL CROSS SECTION
NAILING FIN FRAME INSTALLATION

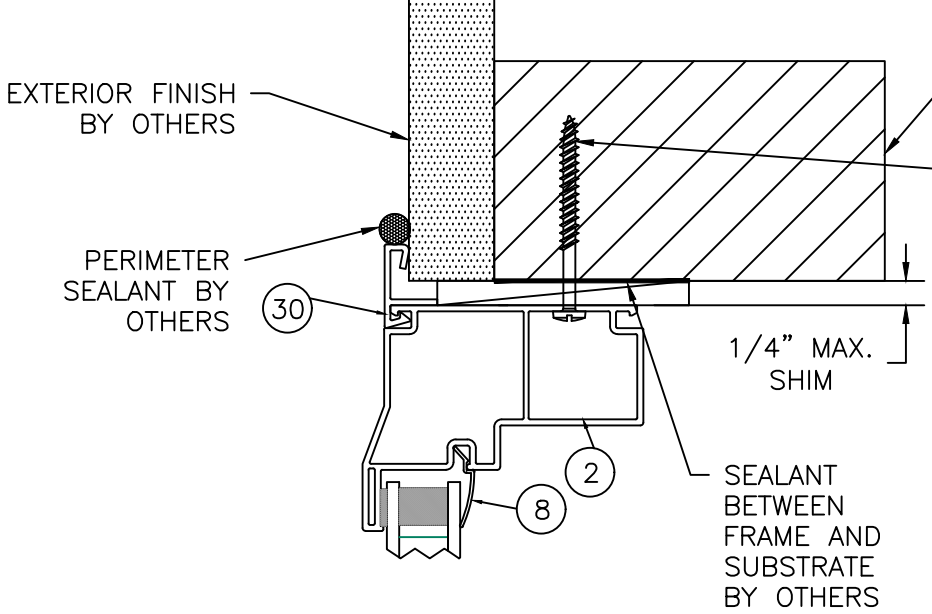
SERIES 8700 VINYL SINGLE HUNG WINDOW ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
NO.					

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

ROBERT J. AMORUSO, P.E.
FL P.E. No. 49752
226 N NOVA RD, NO. 142,
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM

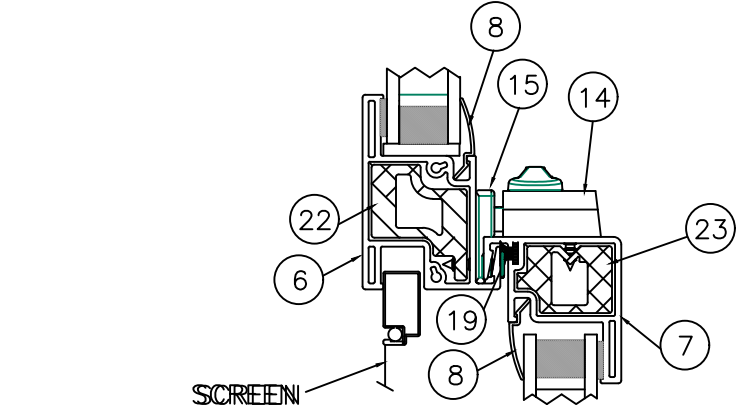


Digitally signed by
Robert J Amoruso
Date: 2024.08.02
15:54:16 -04'00'



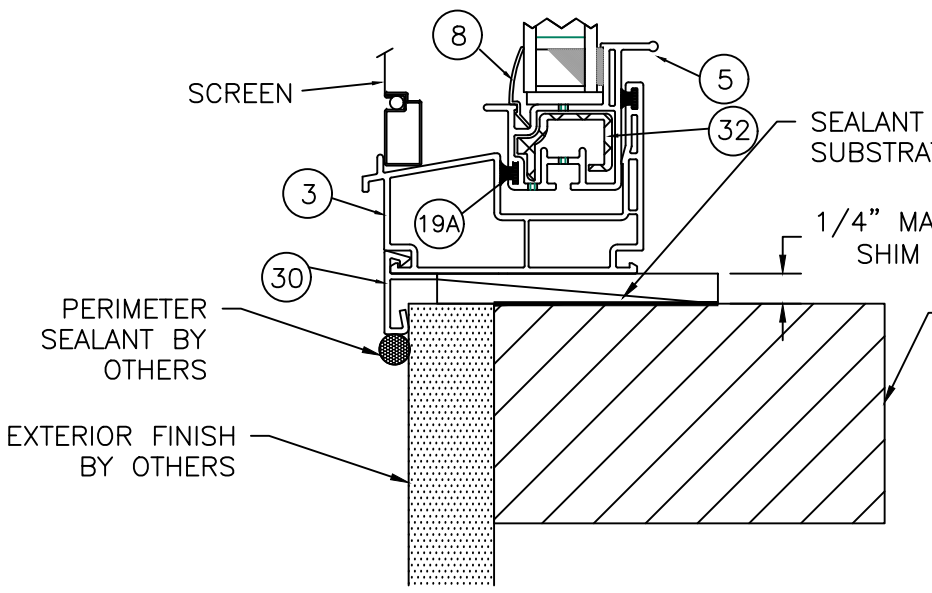
SUBSTRATE VARIES. SEE ANCHOR SCHEDULE ON SHEET 2 FOR REQUIREMENTS.

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



EXTERIOR

INTERIOR



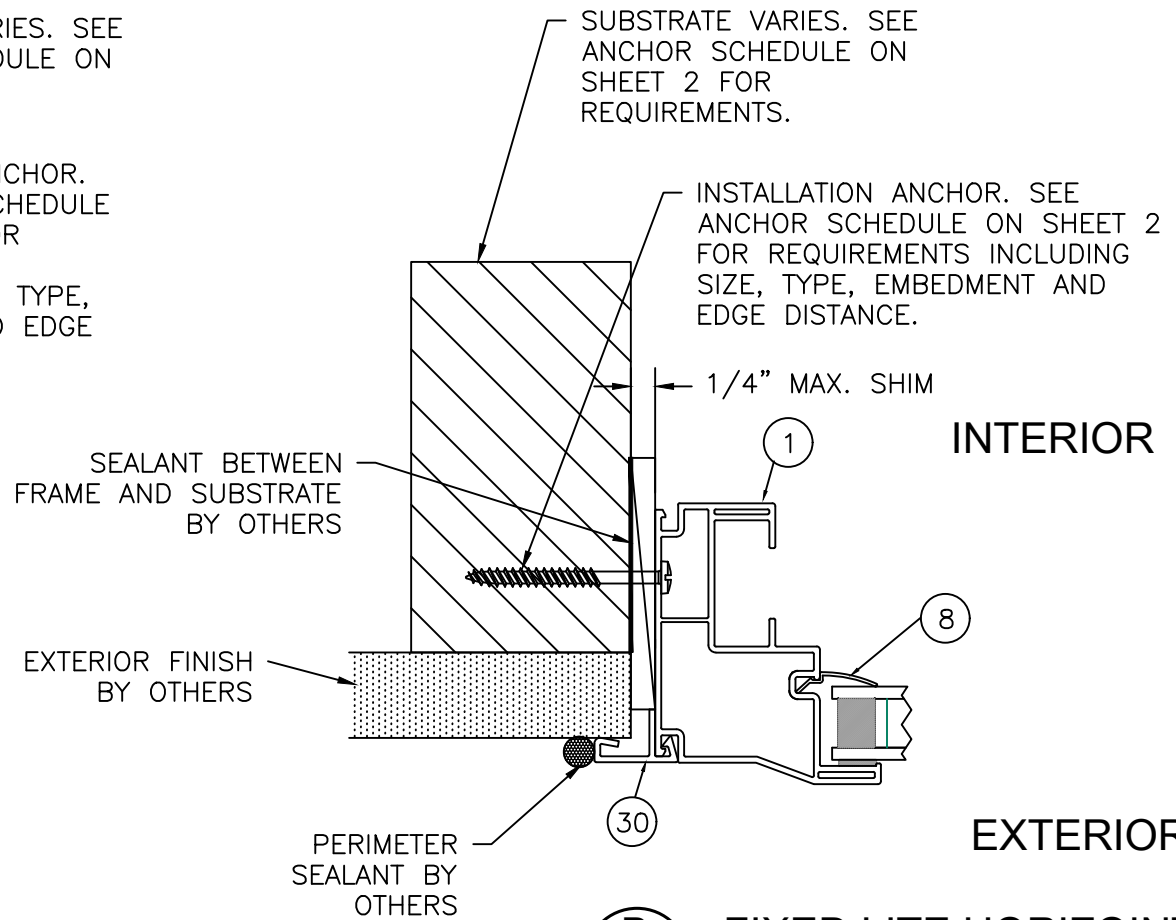
SEALANT BETWEEN FRAME AND SUBSTRATE BY OTHERS

1/4" MAX. SHIM

SUBSTRATE VARIES. SEE ANCHOR SCHEDULE ON SHEET 2 FOR REQUIREMENTS.

A
6

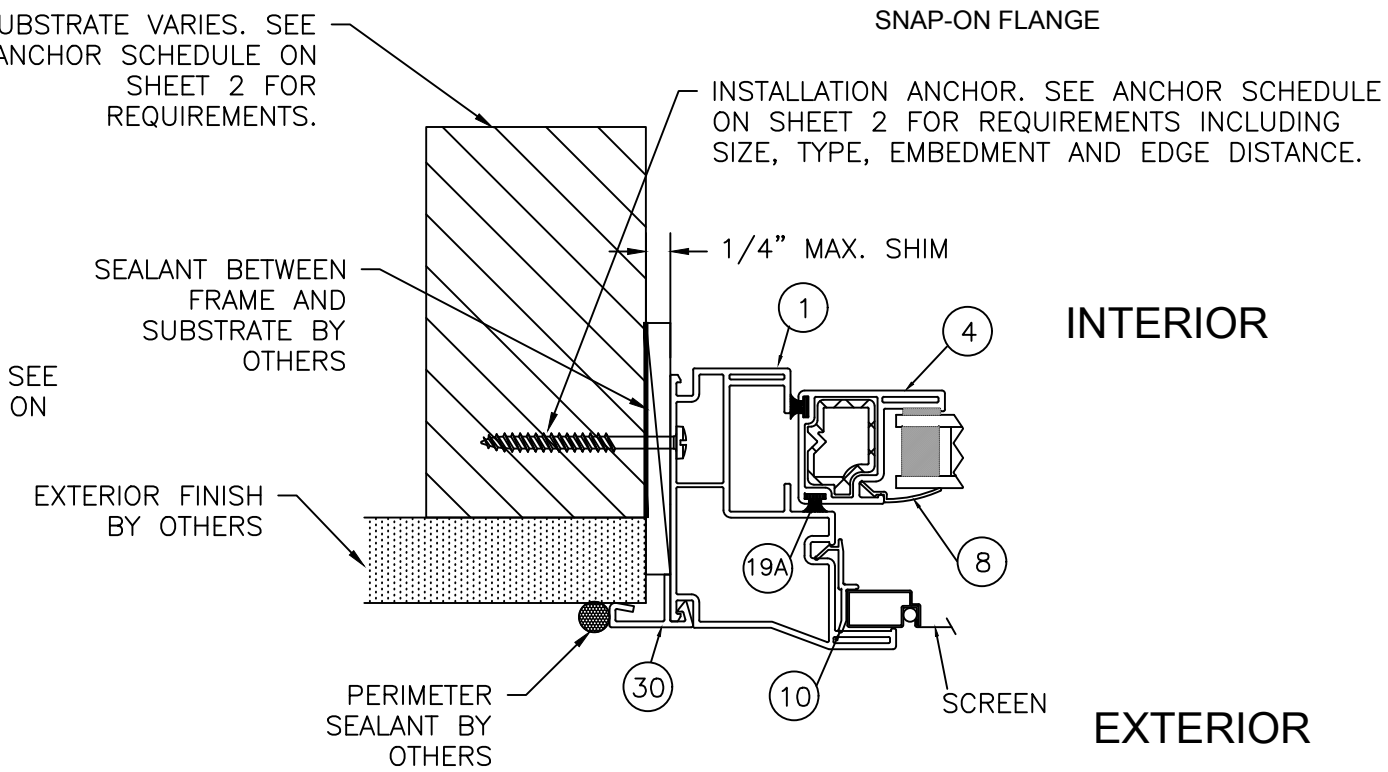
VERTICAL CROSS SECTION
THROUGH-FRAME INSTALLATION
SNAP-ON FLANGE (HEAD ONLY)



B
6

FIXED LITE HORIZONTAL CROSS SECTION
THROUGH-FRAME INSTALLATION
SNAP-ON FLANGE

SUBSTRATE VARIES. SEE ANCHOR SCHEDULE ON SHEET 2 FOR REQUIREMENTS.



C
6

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

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

SERIES 8700 VINYL SINGLE HUNG WINDOW ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
	NO.				

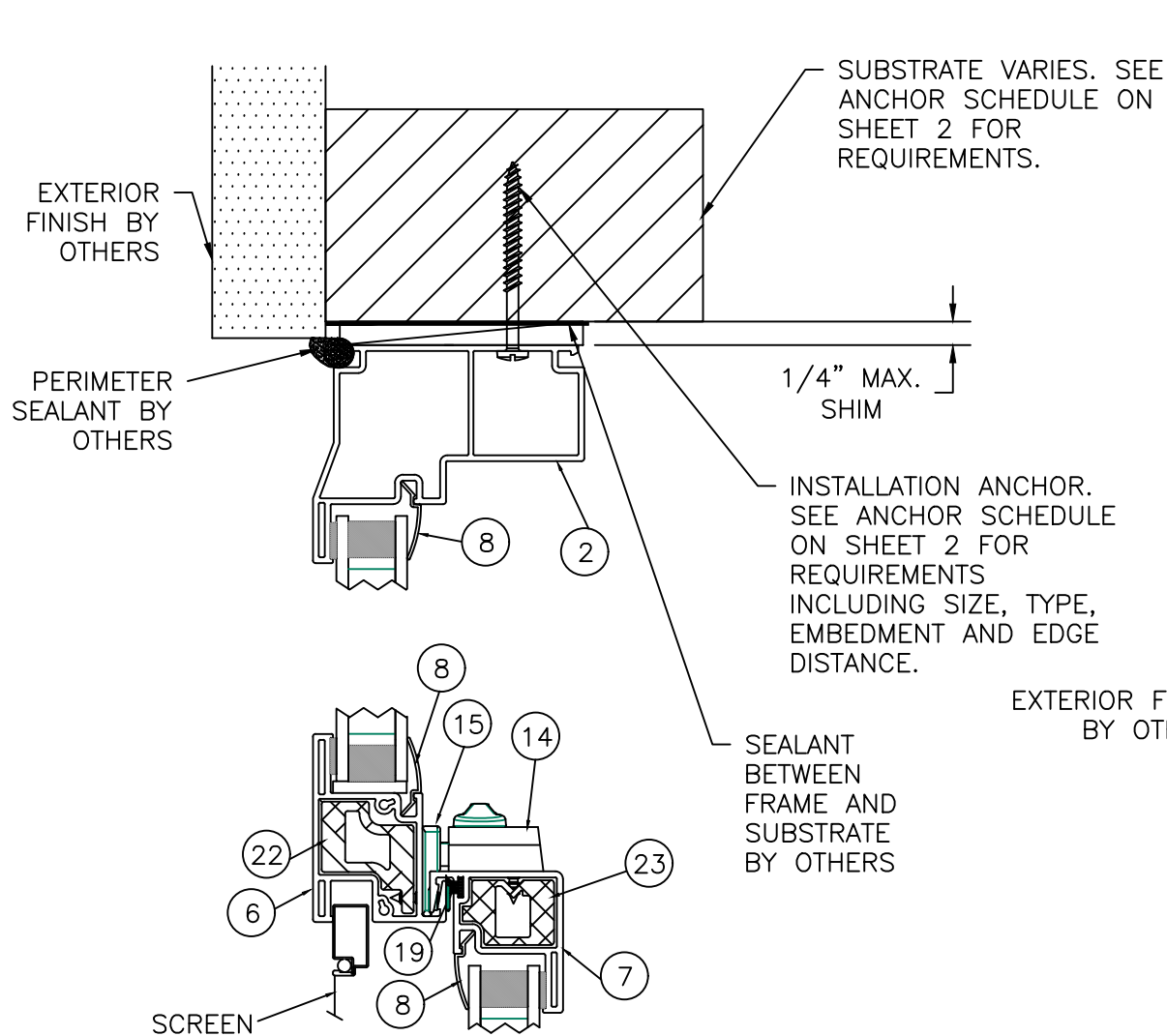
DATE: 06/05/2024	DWN BY: RJA	CHK BY: n/a	SCALE: NONE
---------------------	----------------	----------------	----------------

ROBERT J. AMORUSO, P.E.
FL P.E. No. 49752
226 N NOVA RD, NO. 142,
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM



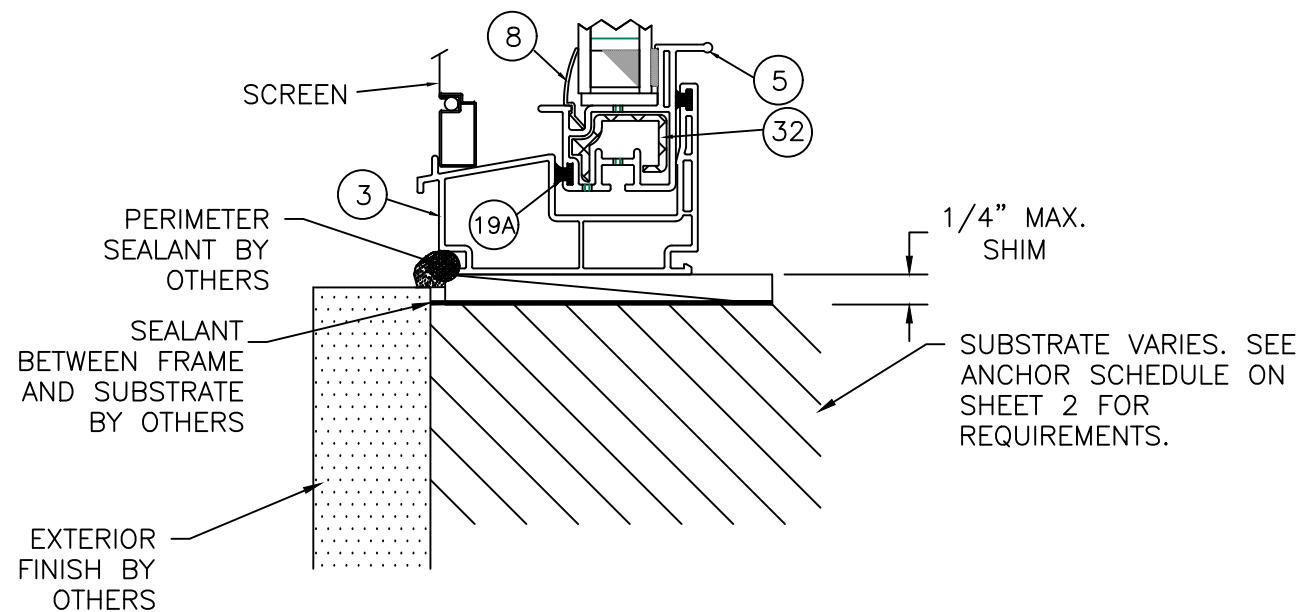
Digitally signed by
Robert J Amoruso
Date: 2024.08.02
15:54:29 -04'00'

PROJECT#:	ACE-2024-121
DWG/REV:	RWD031, Rev 0
SHT:	6 of 8



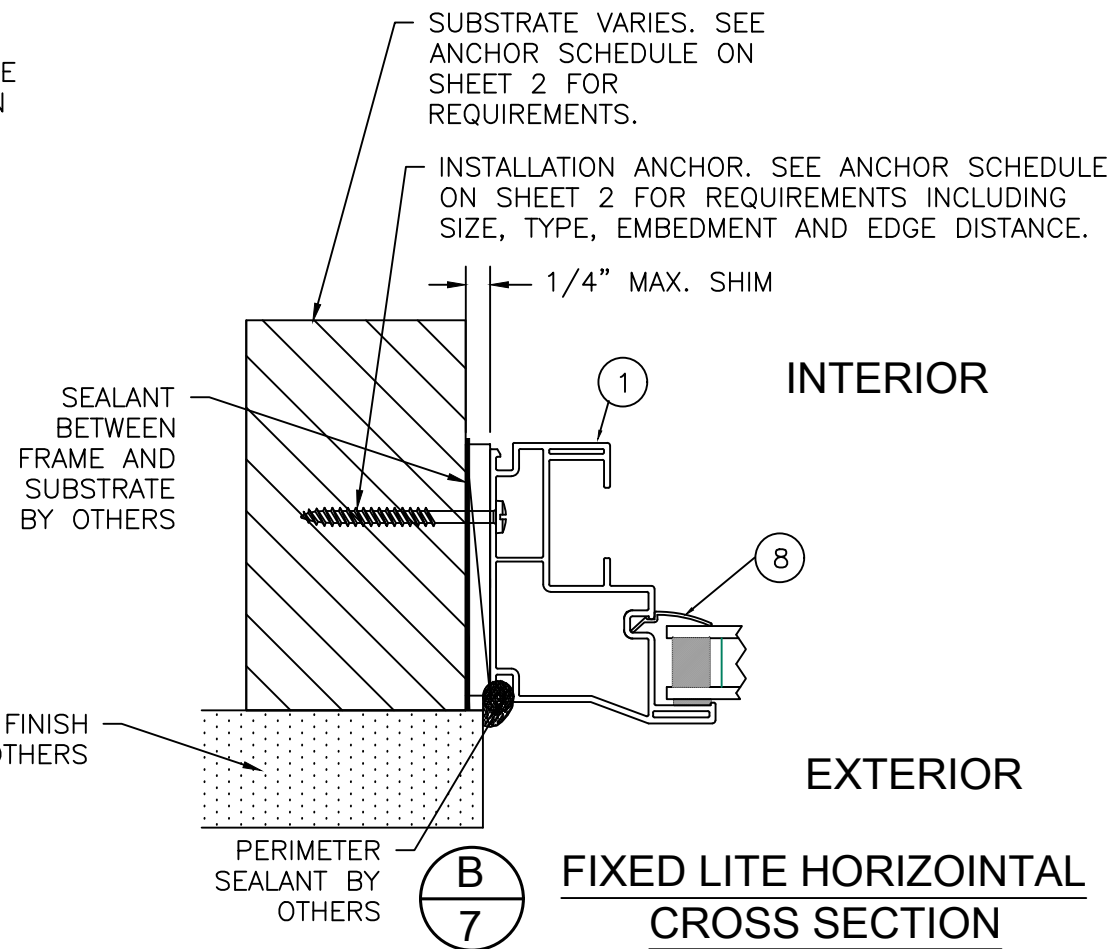
EXTERIOR

INTERIOR



A
7

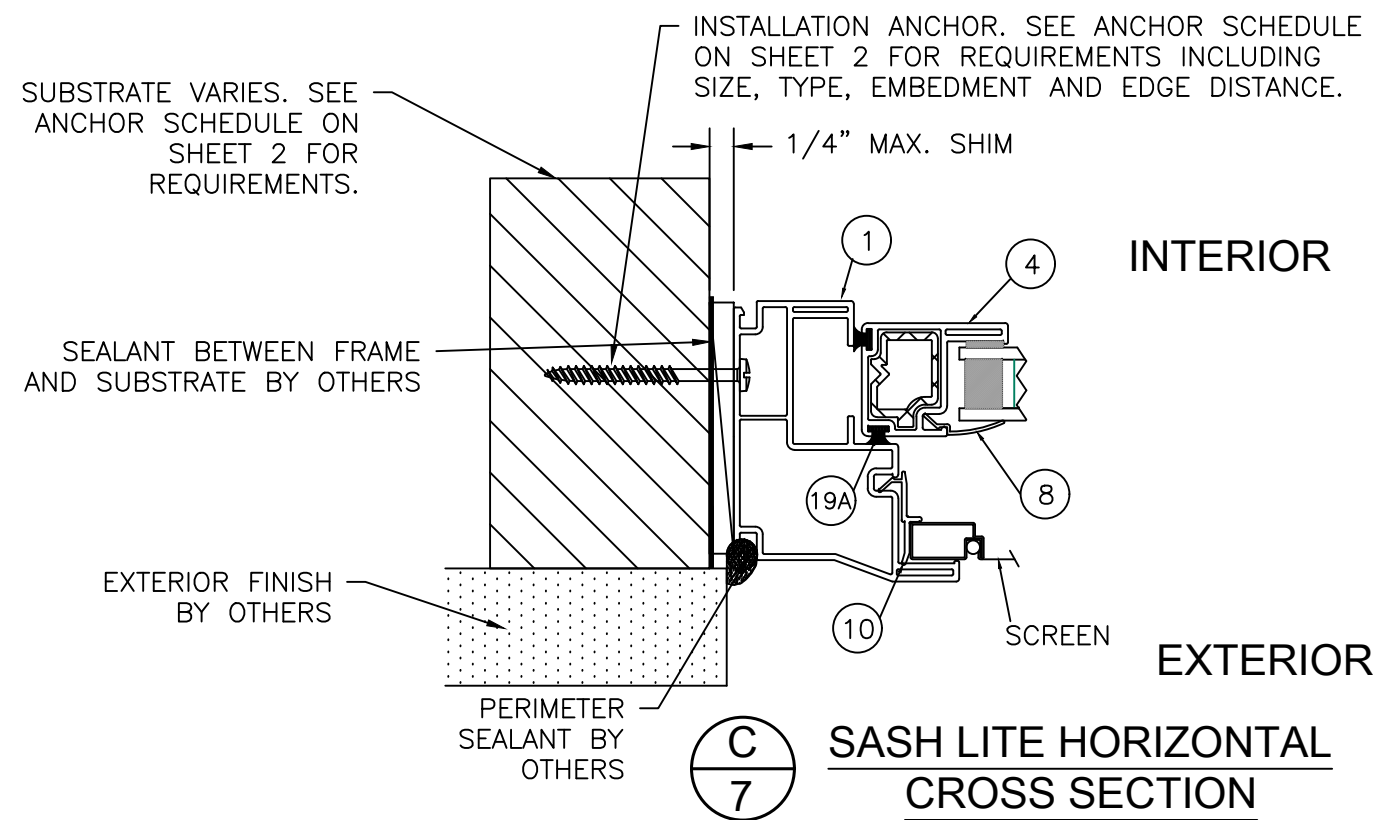
VERTICAL CROSS SECTION
THROUGH-FRAME INSTALLATION



INTERIOR

EXTERIOR

FIXED LITE HORIZONTAL CROSS SECTION
THROUGH-FRAME INSTALLATION



INTERIOR

EXTERIOR

C
7

SASH LITE HORIZONTAL CROSS SECTION
THROUGH-FRAME INSTALLATION

RENAISSANCE WINDOWS
AND DOORS
13340 INTERNATIONAL
PARKWAY
JACKSONVILLE, FL 32218

SERIES 8700 VINYL SINGLE HUNG WINDOW
ANCHORAGE DETAILS

NO.	REVISION DESCRIPTION	BY	DATE

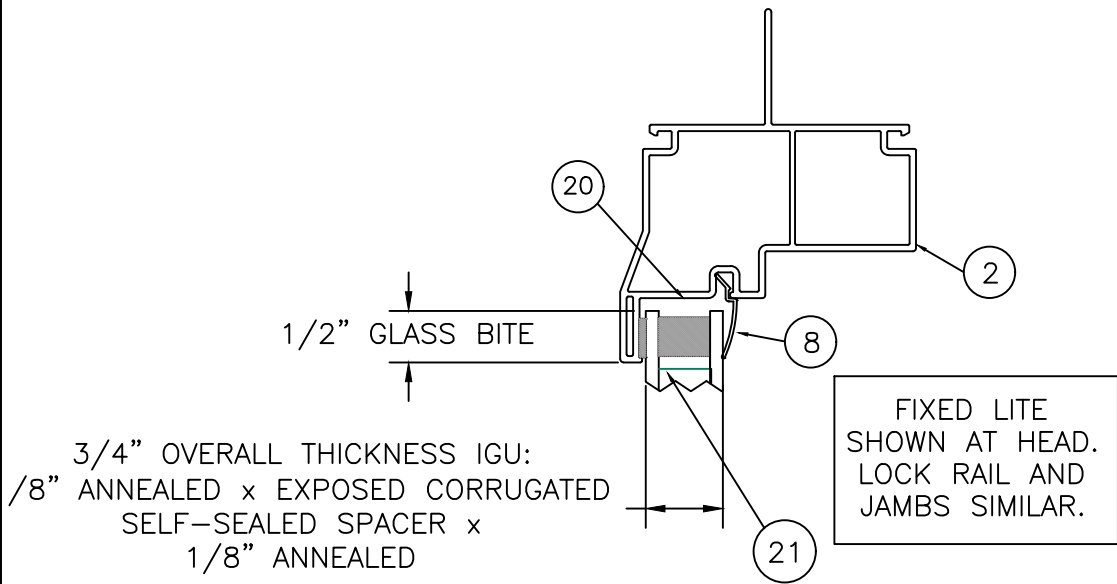
DATE: 06/05/2024	DWN BY: RJA	CHK BY: n/a	SCALE: NONE
---------------------	----------------	----------------	----------------

ROBERT J. AMORUSO, P.E.
FL P.E. No. 49752
226 N NOVA RD, NO. 142,
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM

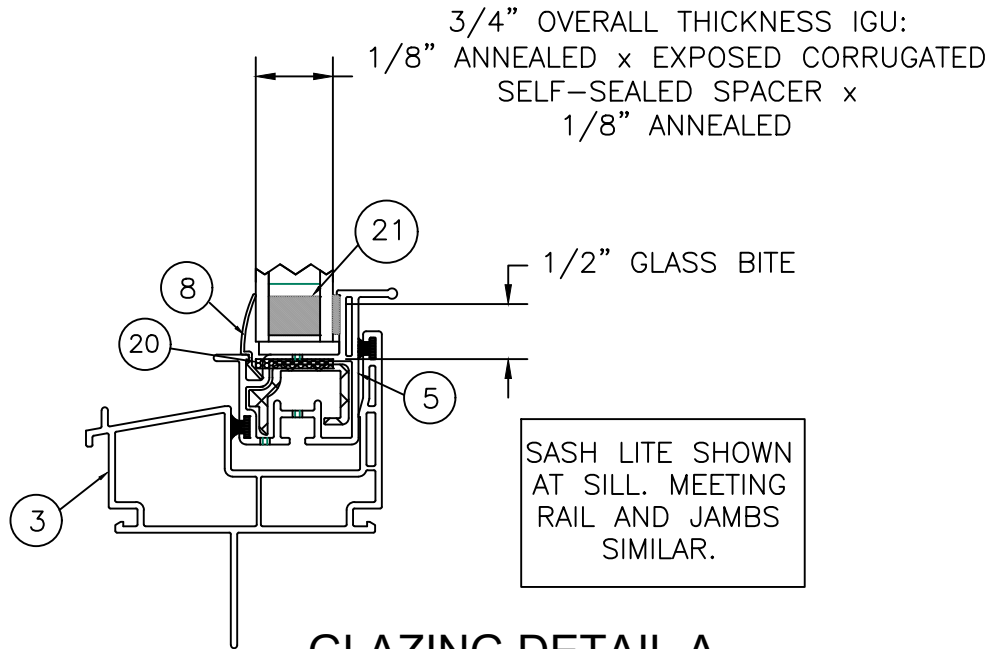


Digitally signed by
Robert J Amoruso
Date: 2024.08.02
15:54:43 -04'00'

PROJECT#: ACE-2024-121
DWG/REV: RWD031, Rev 0
SHT: 7 of 8



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.
 2. AS-TESTED IGU SYSTEM SHOWN. SEE SHEET 1 FOR DETAILS RELATED TO WINDOW SIZE / GLAZING DETAIL / DESIGN PRESSURE.

BILL OF MATERIALS 8500 SERIES SH			
BOM NO.	PART NO.	DESCRIPTION	REMARKS
1	7867 (10892)	JAMB	PVC
2	7868 (10893)	HEAD	PVC
3	8819 (10897)	HP SILL	PVC
4	7863 (10888)	VENT STILE	PVC
5	7866 (10891)	VENT RAIL	PVC
6	7864 (10889)	FIXED INTERLOCK	PVC
7	7865 (10890)	VENT INTERLOCK	PVC
8	8764	GLAZING BEAD	PVC
9	6555	SETTING BLOCK	NOT ID'ed
10	7871	SCREEN LOCK	OPTIONAL
HARDWARE			
12	9208	BASE	NOT SHOWN
13	9202	LEVER	NOT SHOWN
14	A09200427	CAM LOCK	
15	C09659	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
WEATHERSTRIPPING			
19		WEATHERSTRIP - MEETING RAIL	.187 x .270 FIN PILE
19A		WEATHERSTRIP	.187 x .230 FIN PILE
GLAZING			
20		SILICONE	
21	GLAZING DETAIL A	3/4" OVERLL THICKNESS IGU	
REINFORCEMENT			
22	7864.1.1	FIXED HP REINFORCEMENT	ALUMINUM 6063-T5
23	7865.1.2	VENT HP REINFORCEMENT - HEAD	ALUMINUM 6063-T5
32	7866.1	VENT HP REINFORCEMENT - SILL	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 (OPTIONAL)			
30	8864	SNAP-ON FLANGE	PVC

RENAISSANCE WINDOWS
AND DOORS
13340 INTERNATIONAL
PARKWAY
JACKSONVILLE, FL 32218

SERIES 8700 VINYL SINGLE HUNG WINDOW ANCHORAGE DETAILS	DATE				
	BY				
	REVISION DESCRIPTION				
	NO.				

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

ROBERT J. AMORUSO, P.E.
FL P.E. No. 49752
226 N NOVA RD, NO. 142,
ORMOND BEACH, FL 32174
RJAENGPE@GMAIL.COM



Digitally signed by
Robert J Amoruso
Date: 2024.08.02
15:54:57 -04'00'

PROJECT#:	ACE-2024-121
DWG/REV:	RWD031, Rev 0
SHT:	8 of 8