

RENAISSANCE WINDOWS AND DOORS

SERIES 8600 VINYL SINGLE HUNG WINDOW

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/NWWDA 101/I.S.2-97.
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO.02-51842.01, 02-51843.01 AND 02-51844.01 AND ASSOCIATED LABORATORY DRAWINGS BY ARCHITECTURAL TESTING, INC.
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. WINDOW FRAME MATERIAL: VINYL (PVC).
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.

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INSTALLATION ANCHORAGE DETAILS

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 6 THROUGH 11 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 THE ANCHOR INSTALLATION SCHEDULE ON SHEET 3 AND ELEVATIONS ON SHEETS 4 AND 5.

5.2. END DISTANCES AND O.C. SPACING LESS THAN THAT SHOWN IN THE ELEVATIONS ON SHEETS 4 AND 5 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	GLAZING DETAIL (SEE SHEET 12)	DESIGN PRESSURE (PSF)	IMPACT RATING
NOMINAL 44" x 84"	A	+/- 45	NONE SEE GENERAL NOTE 6
NOMINAL 44" x 72"	A	+/- 50	
NOMINAL 36" x 84"	A	+/- 55	

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE:
SERIES 8600 VINYL SINGLE HUNG WINDOW
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

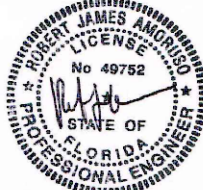
PREPARED BY:

PFC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
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FBPE C.A. NO. 25935

DRAWN BY: RJA
SCALE: N.T.S.
REV: First Issue

DATE: 12/5/19
DRAWING NO: RWD0007
SHEET: 1 OF 13

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



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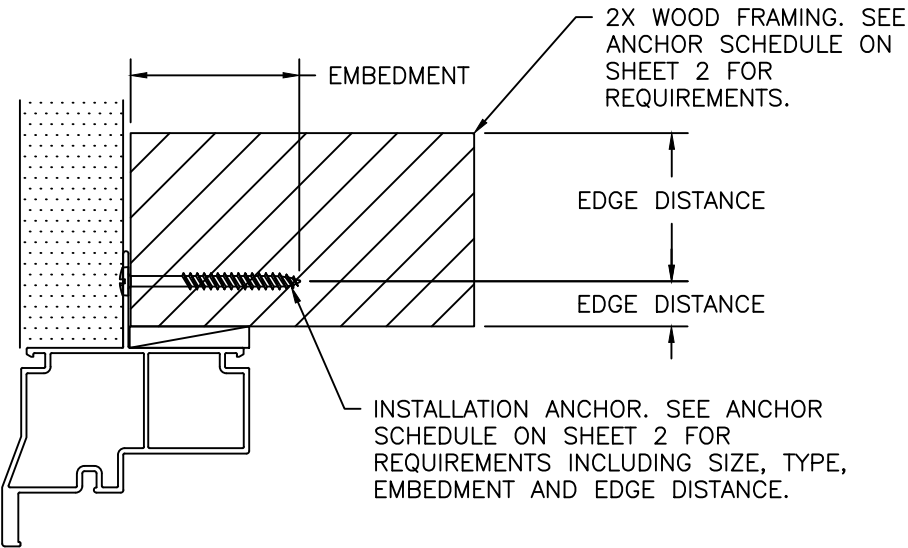
INSTALLATION ANCHOR SCHEDULE									
INSTALLATION TYPE	SECTION VIEW	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
THROUGH FRAME ANCHOR	SECTION A, B & C (SHEETS 8 & 9)	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 (SHEETS 10 & 11)	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 6 & 7)	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:

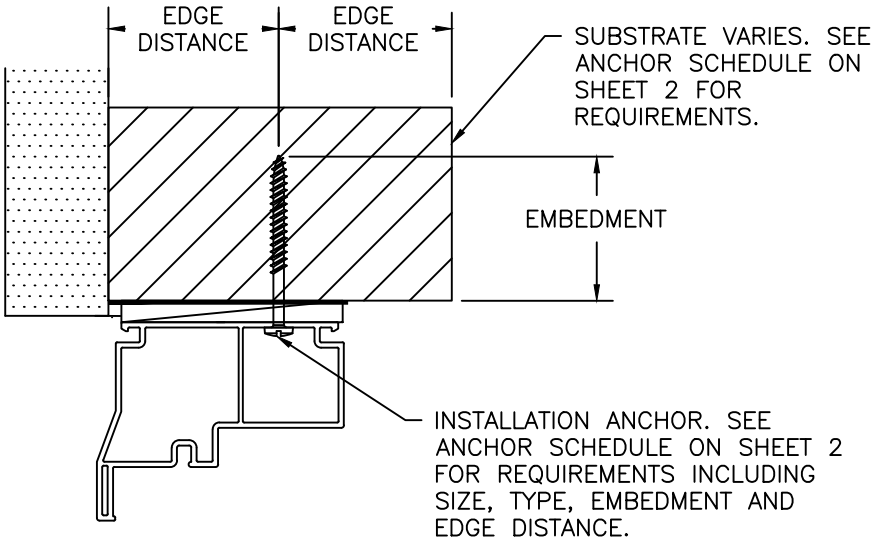
1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.

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).

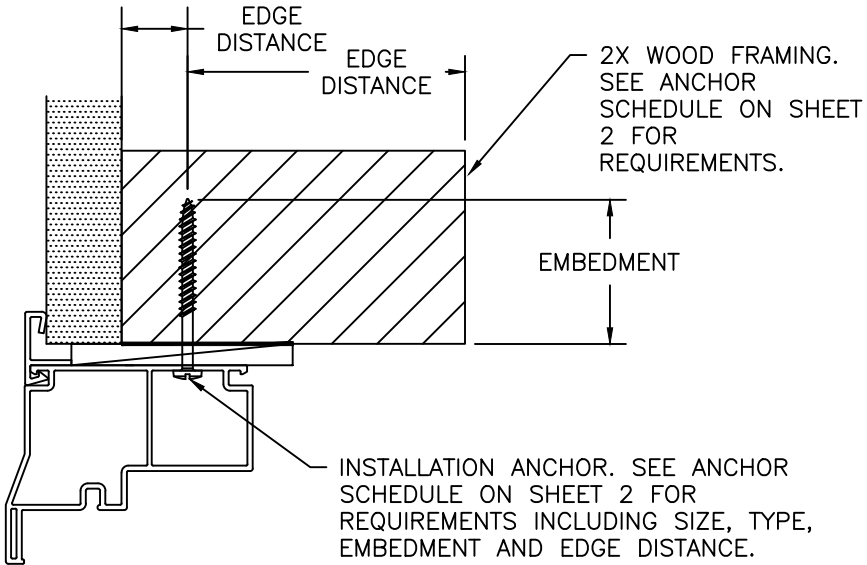
3) FOR WOOD OR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.082" PILOT HOLE (DRILL SIZE 45).



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

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE:
SERIES 8600 VINYL SINGLE HUNG WINDOW
ANCHOR SCHEDULE - EMBEDMENT & EDGE DISTANCE

PREPARED BY:
RJA

DATE:
12/5/19

DRAWING NO:
RWD0007

SCALE:
N.T.S.

REV:
First Issue

DESCRIPTION

DATE

BY

2 OF 13

REV

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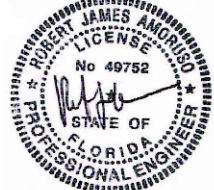
ANCHOR INSTALLATION SCHEDULE																
PERFORMANCE RATING, GLAZING REQUIREMENTS, INSTALLATION ANCHOR SPACING REQUIREMENTS																
MAXIMUM WINDOW SIZES			GLAZING (SEE SHEET 12)	DESIGN PRESSURE (psf)	ANCHOR SPACING - FIN FRAME INSTALLATION (NOTE 1)						ANCHOR SPACING - THROUGH FRAME INSTALLATION (NOTE 1)					
MAX. FRAME SIZE (W x H) (in)	SASH SIZE (W x H) (in)				HEAD/SILL			JAMBS			HEAD/SILL			JAMBS		
	MAX. SIZE (W x H) (in)	D.L.O. SIZE (W x H) (in)			EDGE DISTANCE (in)	SPACING (in)	QUANTITY	EDGE DISTANCE (in)	SPACING (in)	QUANTITY	EDGE DISTANCE (in)	SPACING (in)	QUANTITY	EDGE DISTANCE (in)	SPACING (in)	QUANTITY
44 x 84	41 x 41	39 x 38	DETAIL A	45 psf	4	7-1/4	6	4	4-13/16	17	4	7-1/4	6	4	7-5/8	11
36 X 84	24 x41	31 x 38	DETAIL A	55 psf	4	6	7	4	4	20	4	7-1/4	6	4	7	12
44 X 72	41 x 35	39 x 32	DETAIL A	50 psf	4	6	7	4	4-13/16	15	4	7-1/4	6	4	8	9

ANCHOR INSTALLATION SCHEDULE TABLE NOTES:

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 ANCHOR INSTALLATION SCHEDULE ON THIS SHEET AND ELEVATIONS ON SHEETS 4 AND 5.
2.
- END DISTANCES AND O.C. SPACING LESS THAN THAT SHOWN ABOVE ARE ACCEPTABLE.
3.
- FOR WINDOW SIZES SMALLER THAN THOSE SHOWN ABOVE, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.
4.
- ANCHOR QUANTITIES AND SPACING SHOWN ABOVE ARE BASED ON THE LOWER OF ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.
5.
- SEE EMBEDMENT AND EDGE DISTANCE DESCRIPTION ON SHEET 2.

PROJECT # 419-0901				BY
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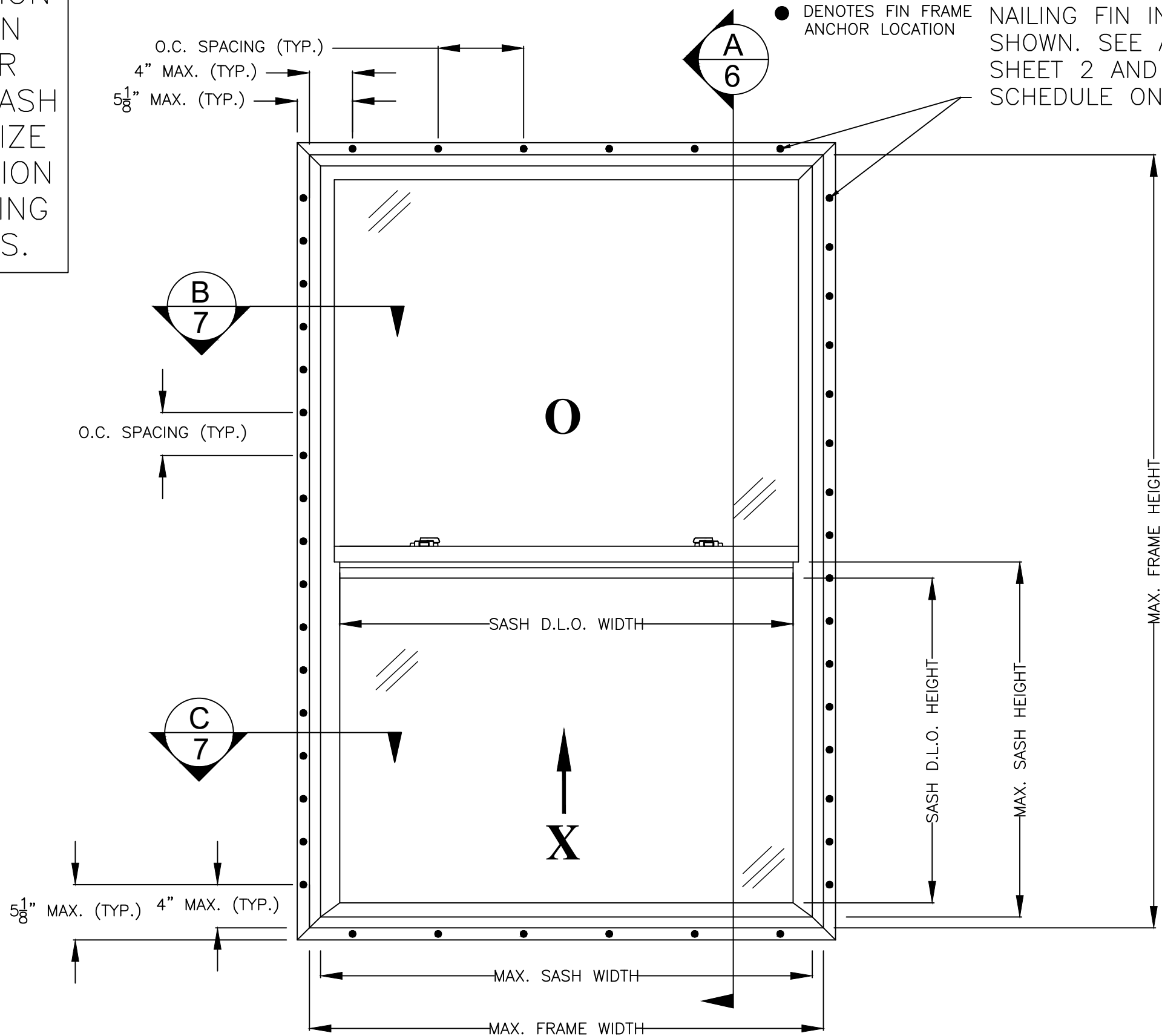
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TITLE: SERIES 8600 VINYL SINGLE HUNG WINDOW 48" x 84" WINDOW ELEVATION/ COMBINED ANCHORING LAYOUT	
PREPARED BY:	DRAWN BY: RJA
	DATE: 12/5/19
	DRAWING NO: RWD0007
	SCALE: N.T.S.
	REV: First Issue
	SHEET: 3 OF 13
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com	



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SEE INSTALLATION
SCHEDULE ON
SHEET 3 FOR
FRAME SIZE, SASH
SIZE, D.L.O. SIZE
AND INSTALLATION
ANCHOR SPACING
REQUIREMENTS.

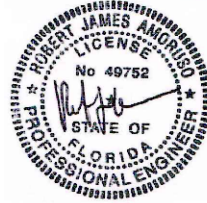


SERIES 8600 VINYL SINGLE HUNG WINDOW

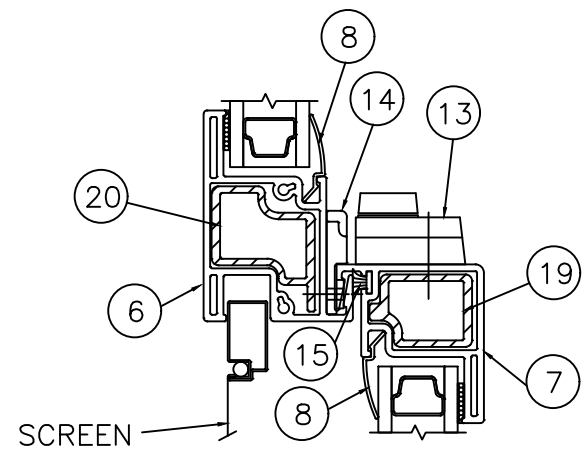
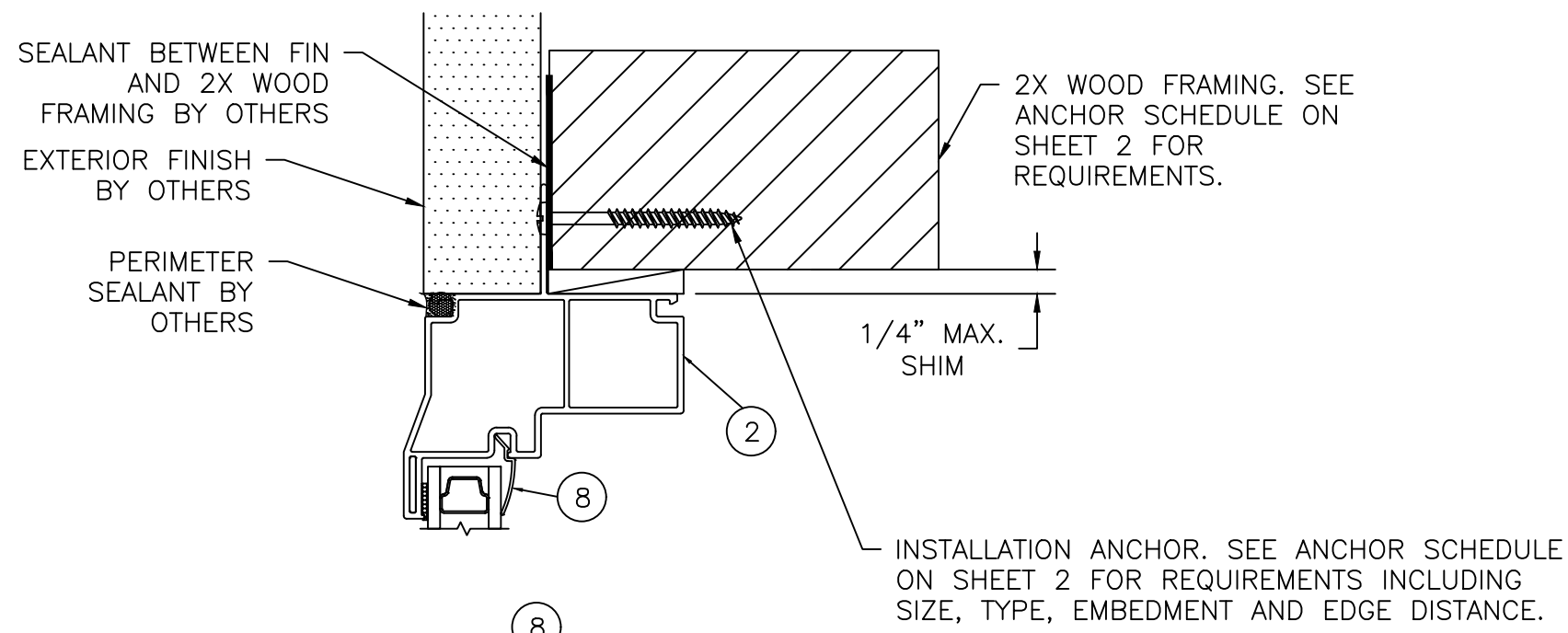
EXTERIOR VIEW - NOMINAL SIZE ILLUSTRATION SHOWN (SEE SHEET 3 FOR APPROVED WINDOW SIZES AND ANCHOR SPACING) - GLAZING DETAIL A
FIN FRAME ANCHOR INSTALLATION

PROJECT # 419-0901					BY
					DATE
					REV
RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218	TITLE: SERIES 8600 VINYL SINGLE HUNG WINDOW WINDOW ELEVATION/FIN FRAME ANCHORING LAYOUT	DRAWN BY: RJA	DATE: 12/5/19	DRAWING NO: RWD0007	SHEET: 4 OF 13
		SCALE: N.T.S.	REV:	First Issue	
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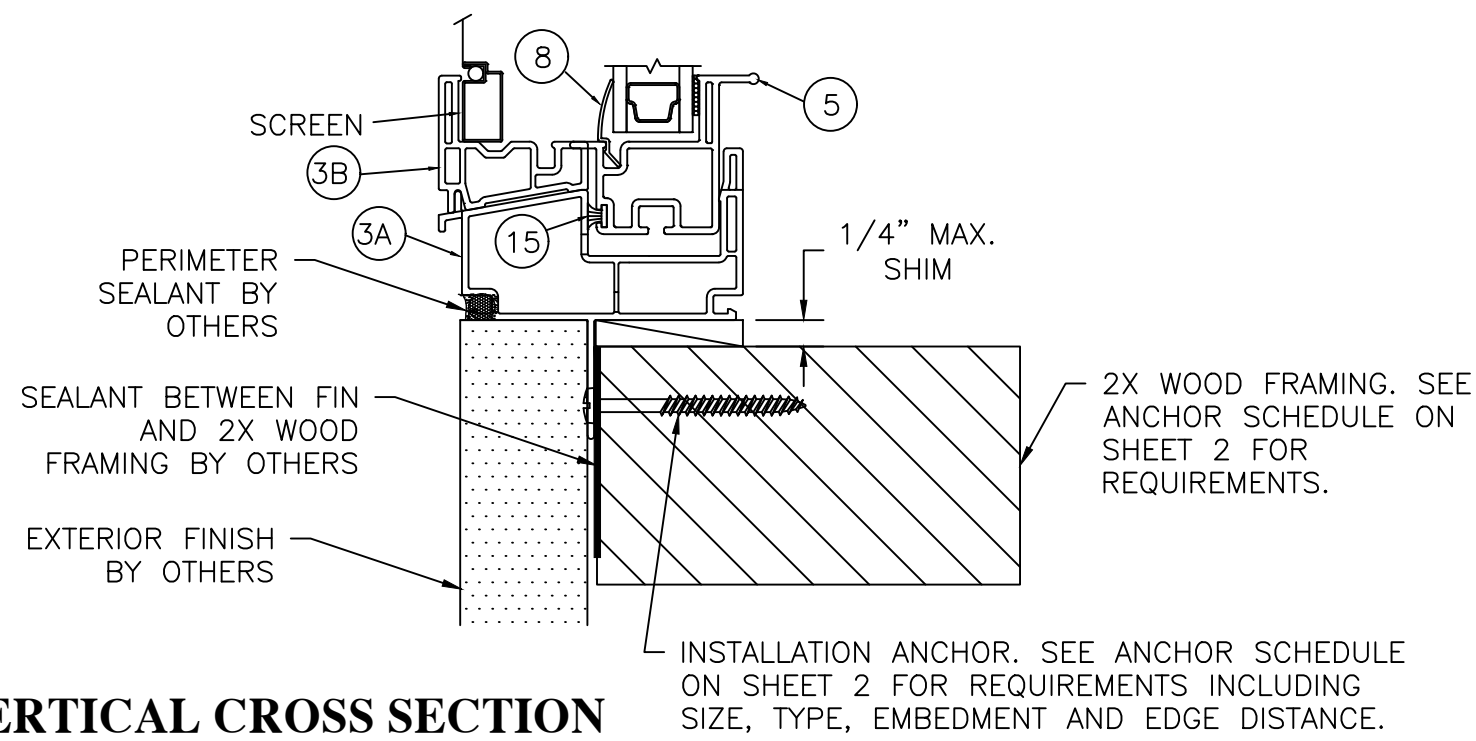


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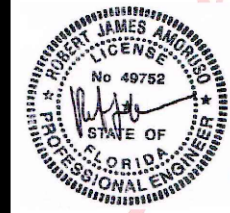
INTERIOR



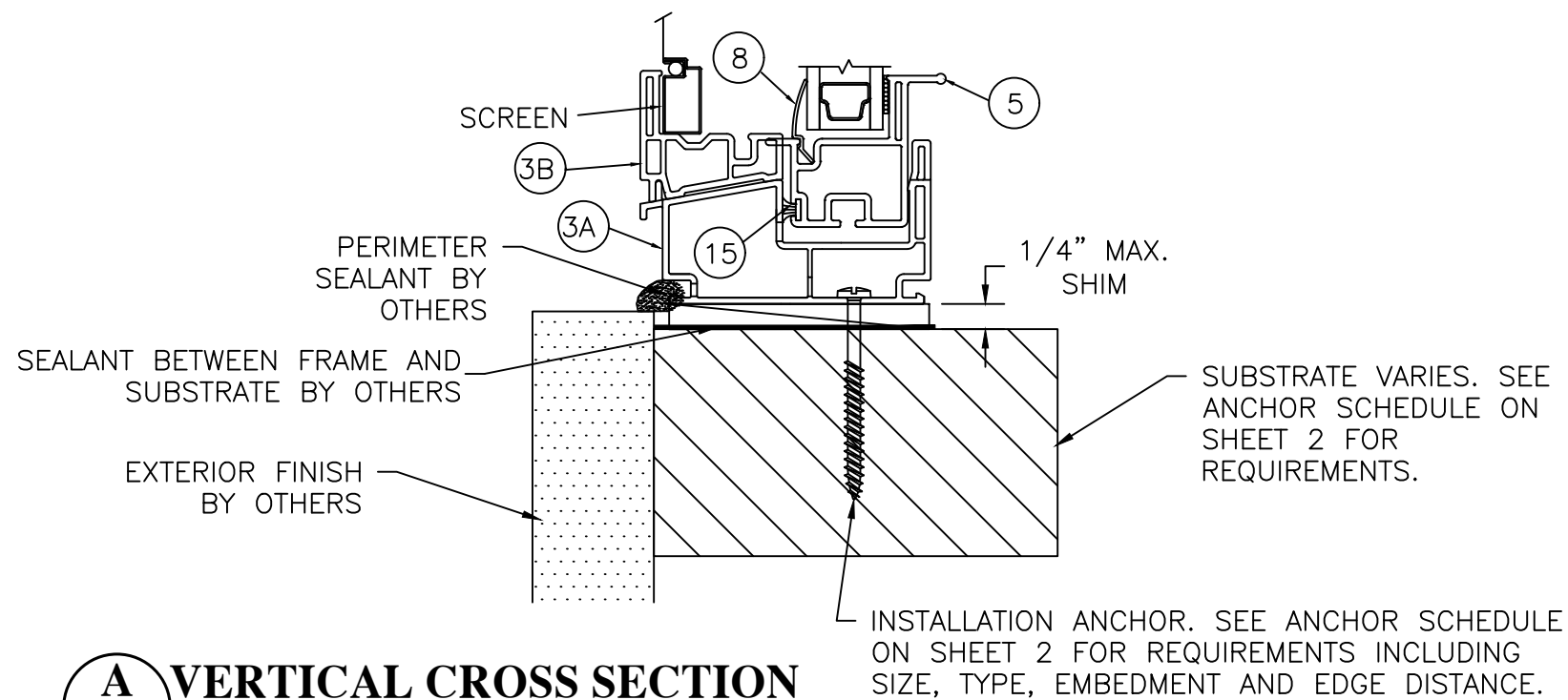
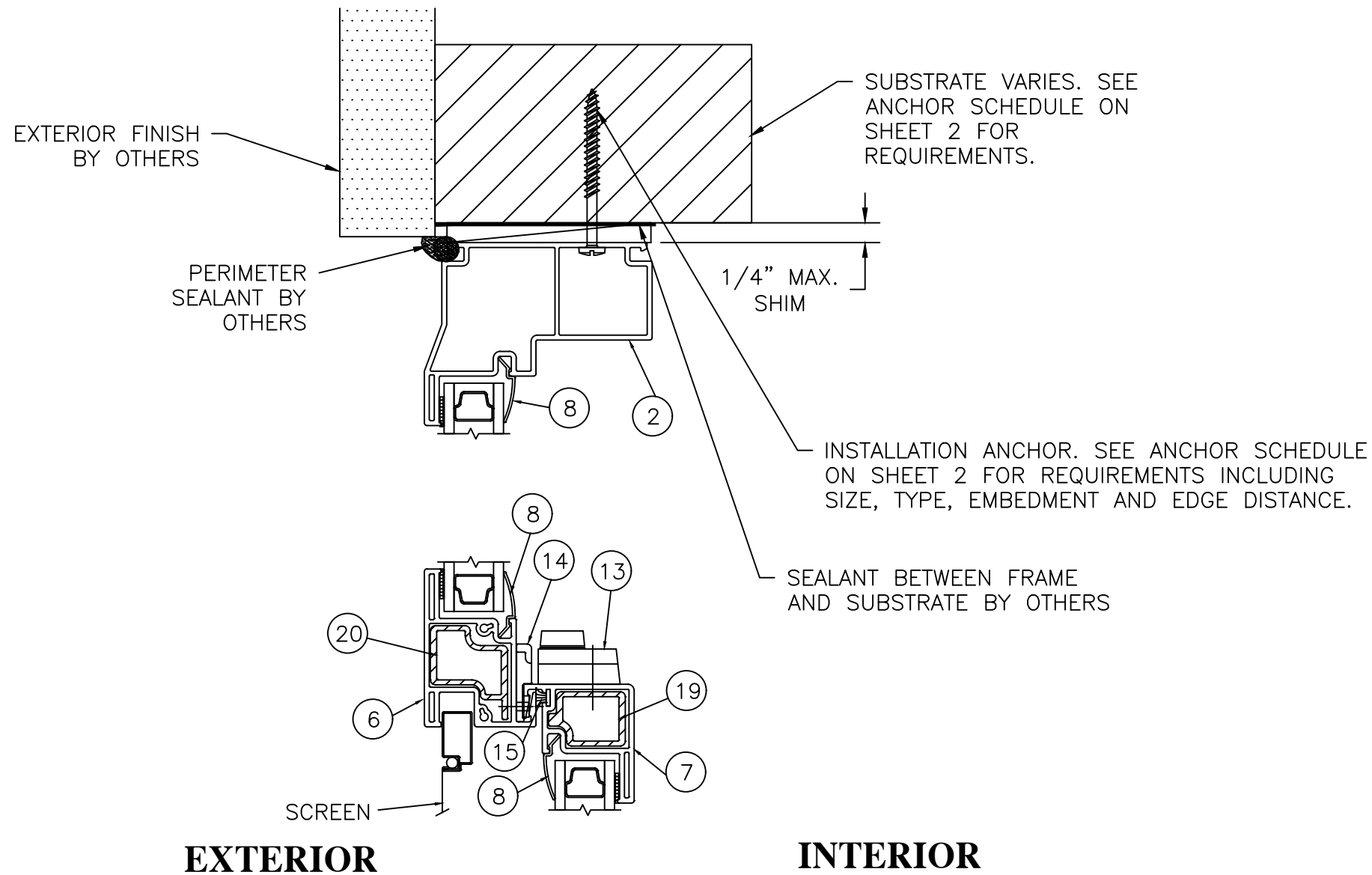
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6 **VERTICAL CROSS SECTION**
NAILING FIN FRAME INSTALLATION

PROJECT # 419-0901				RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218		DATE: 12/5/19		DRAWING NO: RWD0007		SHEET: 6 OF 13		REV	DESCRIPTION	DATE	BY
				TITLE: SERIES 8600 VINYL SINGLE HUNG WINDOW VERTICAL CROSS SECTION - NAILING FIN INSTALLATION		DRAWN BY: RJA		SCALE: N.T.S.		REV: First Issue					
				PREPARED BY:		PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 PHONE: 321.690.1788 FAX: 321.690.1789 EMAIL: info@ptc-corp.com		PPE CA NO. 23935							

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VERTICAL CROSS SECTION
THROUGH-FRAME INSTALLATION

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 8600 VINYL SINGLE HUNG WINDOW
VERTICAL CROSS SECTION - THRU FRAME INSTALLATION

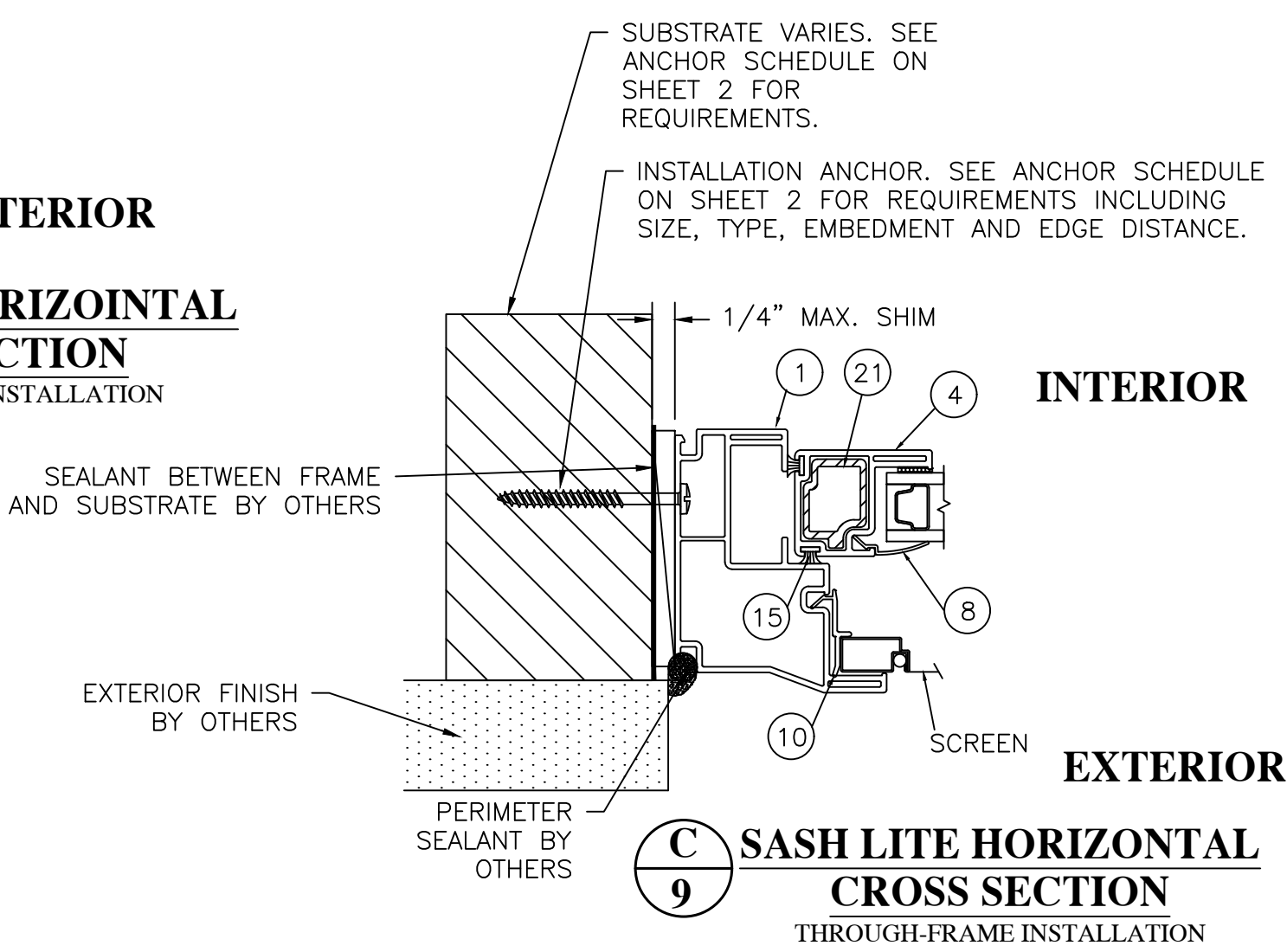
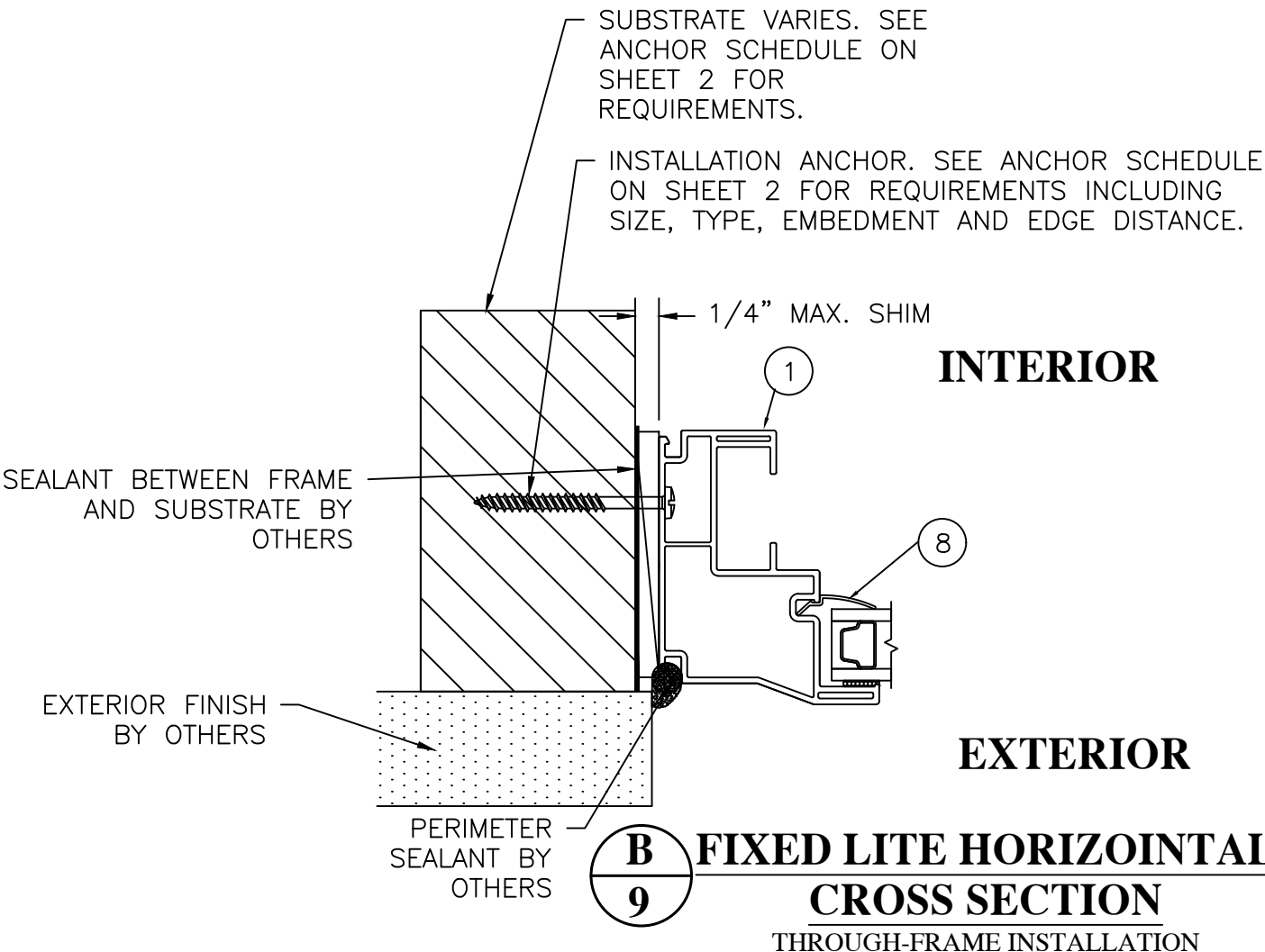
PREPARED BY: DATE: 12/5/19
DRAWN BY: RJA
SCALE: N.T.S.
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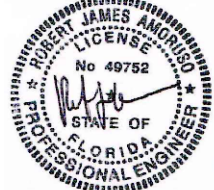
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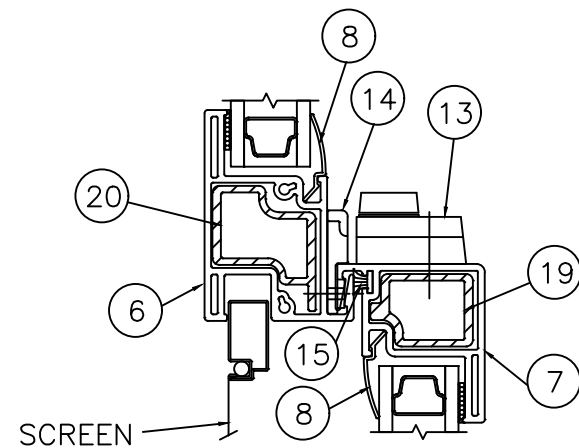
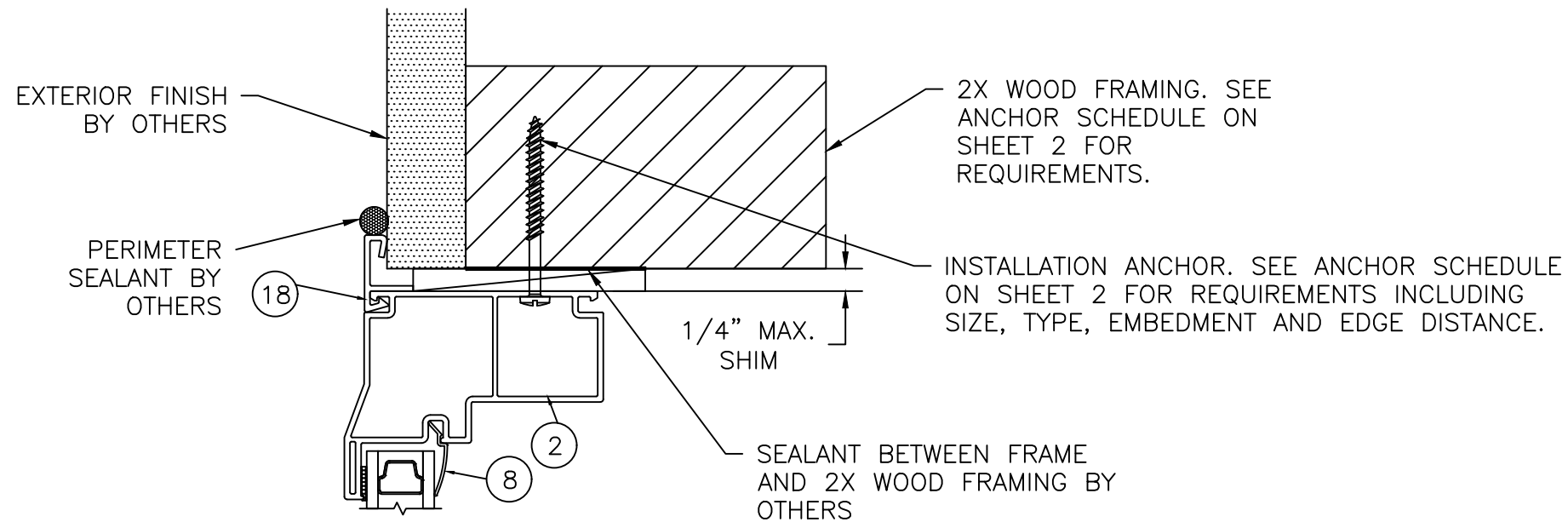
PROJECT # 419-0901				RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218			
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				DRAWN BY: RJA	DATE: 12/5/19	DRAWING NO: RWD0007	REV: 9 OF 13
				SCALE: N.T.S.			
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				PREPARED BY: PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com P&PE C.A. NO. 25935			
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				DATE			
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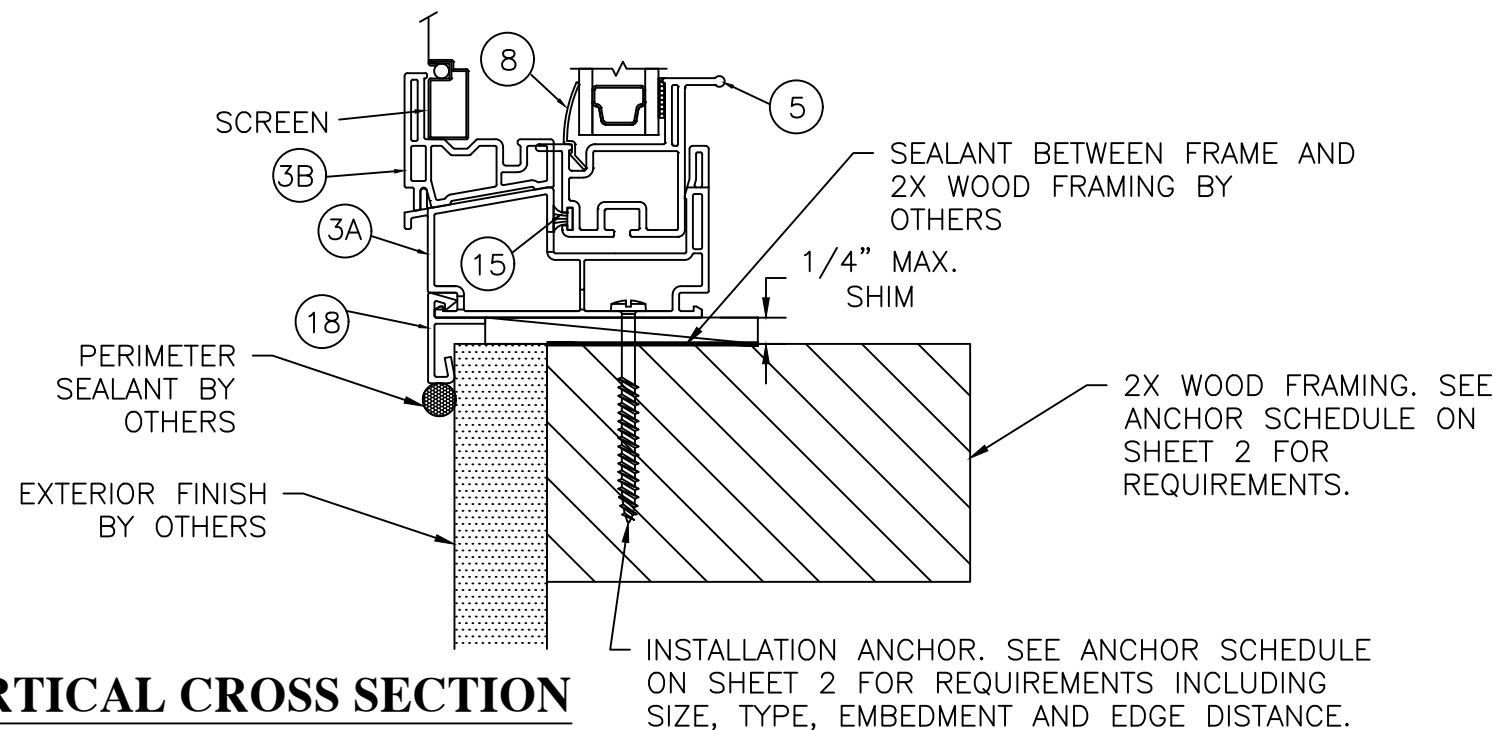
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EXTERIOR

INTERIOR



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VERTICAL CROSS SECTION
SNAP-ON FLANGE
THROUGH-FRAME INSTALLATION

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

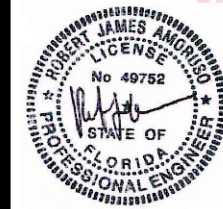
TITLE: SERIES 8600 VINYL SINGLE HUNG WINDOW
VERT. CROSS SECTION - SNAP-ON FLANGE THRU FRAME INST.

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SCALE: N.T.S.
REV: First Issue

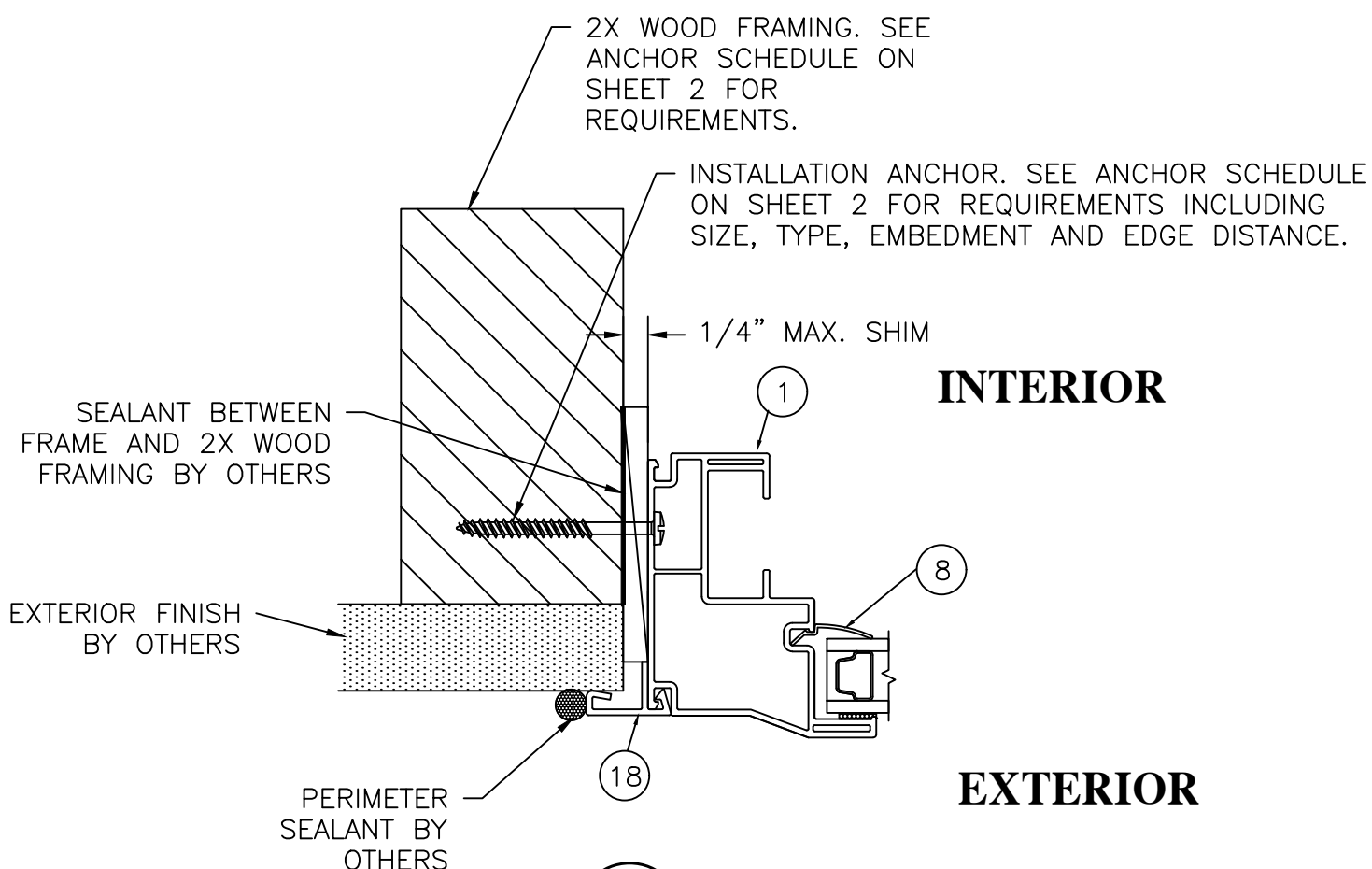
DATE: 12/5/19
DRAWING NO: RWD0007
SHEET: 10 OF 13

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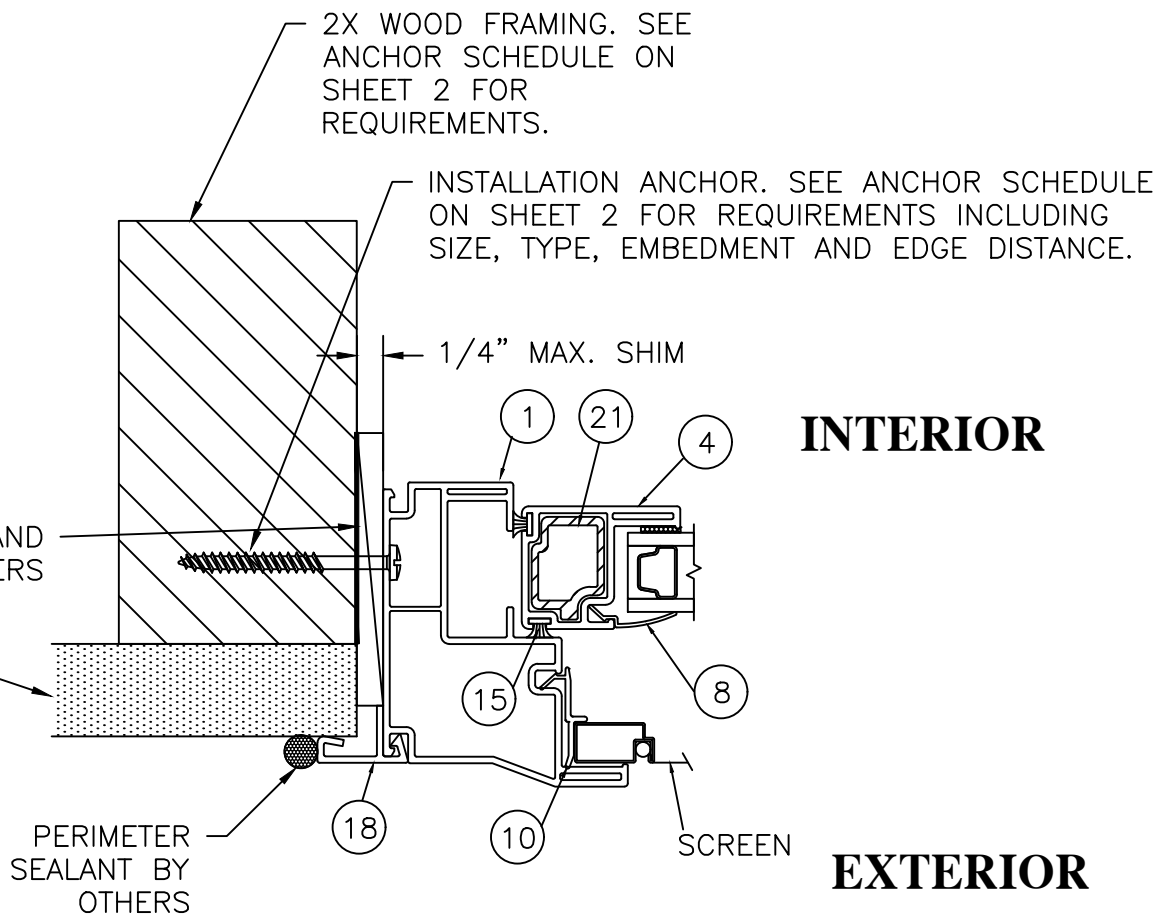
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Florida P.E. No. 49752



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Date:
2019.12.05
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B
11 **FIXED LITE HORIZONTAL**
CROSS SECTION
SNAP-ON FLANGE
THROUGH-FRAME INSTALLATION



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

PROJECT # 419-0901					DATE	BY

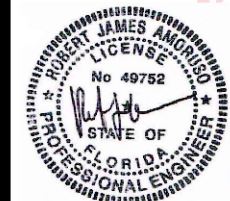
RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218		TITLE: SERIES 8600 VINYL SINGLE HUNG WINDOW HORIZ. CROSS SECTION - SNAP-ON FLANGE THRU FRAME INST.		DATE: 12/5/19		REV: 11 OF 13
		DRAWN BY: RJA		DRAWING NO: RWD0007		
		SCALE: N.T.S.		SHEET: First Issue		



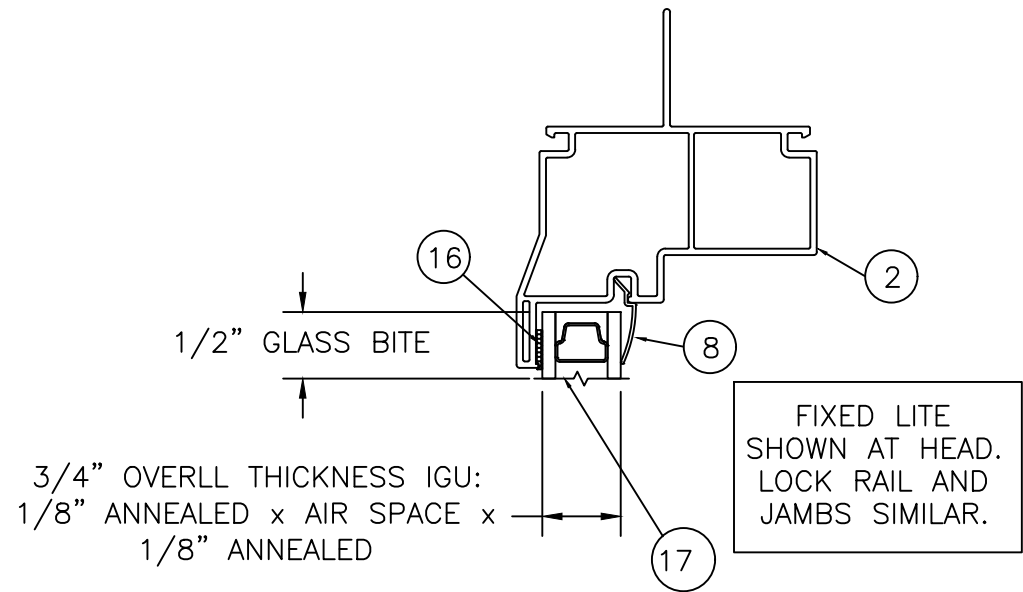
PDC PRODUCT DESIGN GROUP, LLC
PO BOX 320775
LONGWOOD, FLORIDA 32752
USA
Phone: 321 690 1788
Fax: 321 690 1789
Email: info@pdc-corp.com



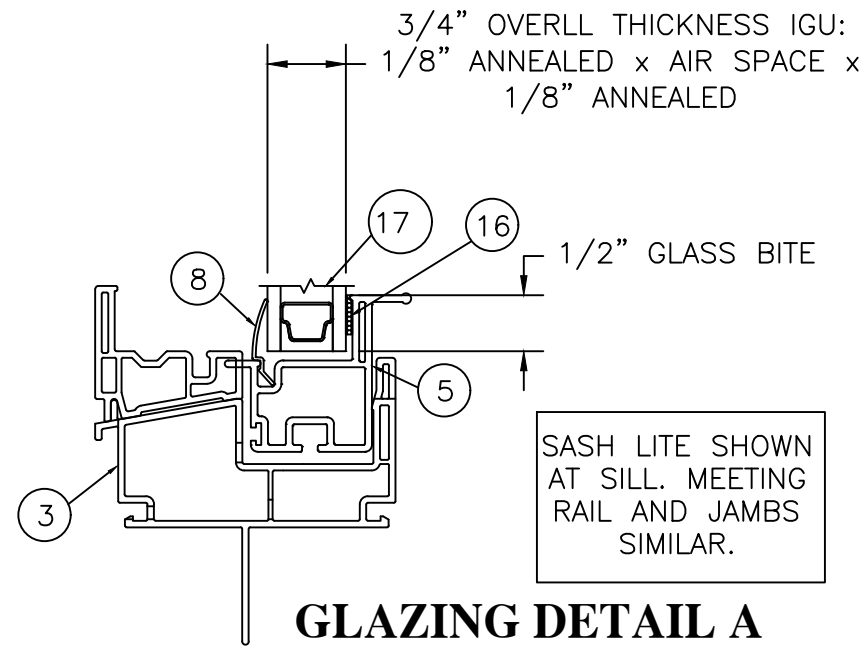
Robert J. Amoruso, P.E.
Florida P.E. No. 49752



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Robert J
Amoruso
Date:
2019.12.05
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GLAZING DETAIL A
HEAD - FIXED LITE



GLAZING DETAIL A
SILL - 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 SUBSTITUTES ARE ALLOW WHILE MAINTAINING MINIMUM INDIVIDUAL LITE THICKNESS AND TEMPER.

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

TITLE: SERIES 8600 VINYL SINGLE HUNG WINDOW
GLAZING DETAILS AND NOTES

PREPARED BY: RJA
SCALE: N.T.S.
REV: First Issue
DATE: 12/5/19
DRAWING NO: RWD0007
SHEET: 12 OF 13

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Date:
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BILL OF MATERIALS 8600 SERIES TILT SINGLE HUNG			
BOM NO.	PART NO.	DESCRIPTION	REMARKS
1	7867	JAMB	PVC
2	7868	HEAD	PVC
3A	8598	SILL	PVC
3B	---	SILL ADAPTER	PVC
4	7863	VENT STILE	PVC
5	7866	VENT RAIL - SILL	PVC
6	7864	FIXED INTERLOCK	PVC
7	7865	VENT INTERLOCK	PVC
8	6177	GLAZING BEAD	PVC
9	6555	SETTING BLOCK	NOT SHOWN
10	7871	SCREEN LOCK	PVC
	LOCK SET		
11	9208	BASE	NOT SHOWN
12	9202	LEVER	NOT SHOWN
13	9203	CAM	
14	9659	KEEPER	
15	23718745	WEATHERSTRIP	.187 x .230 FIN PILE
	GLAZING		
16		WET GLAZING COMPOUND	SILICONE
17	GLAZING DETAIL A	3/4" OVERLL THICKNESS IGU 1/8" ANNEALED X AIR SPACE X 1/8" ANNEALED	
	INSTALLATION COMPONENTS		
18	8461	SNAP-ON FLANGE	PVC
	REINFORCMENT		
19	7865.1	VENT INTERLOCK REINFORCEMENT	ALUMINUM
20	7864.1	FIXED INTERLOCK REINFORCEMENT	ALUMINUM
21	7865.1 - Modified	SASH STILE REINFORCEMENT	ALUMINUM

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

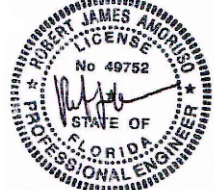
TITLE:
SERIES 8600 VINYL SINGLE HUNG WINDOW
BILL OR MATERIALS

PREPARED BY:
DRAWN BY: RJA
SCALE: N.T.S.
REV: First Issue

DATE: 12/5/19
DRAWING NO: RWD0007
SHEET: 13 OF 13

REV: DESCRIPTION DATE BY

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



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