

RENAISSANCE WINDOWS AND DOORS

SERIES 9700 VINYL SLIDING GLASS DOOR - XX, OX, XO

THROUGH-FRAME INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, EVALUATED AND DESIGNED TO THE DESIGN PRESSURE(S) STATED HEREIN IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.
1.1. PERFORMANCE STANDARDS USING IN TESTING:
1.1.1. TAS 201
1.1.2. TAS 202
1.1.3. TAS 203
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. E0597.03-550-18 (OX) AND E0597.04-550-18 (XX) AND ASSOCIATED LABORATORY DRAWINGS BY INTERTEK/ARCHITECTURAL TESTING INC.
3. THIS PRODUCT EVALUATION DOCUMENT IS APPROVED 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 .
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. DOOR FRAME MATERIAL: QUANEX BUILDING PRODUCTS, INC. (MIKRON INDUSTRIES, INC. SUBSIDIARY OF QUANEX) VINYL (PVC) PER THE LATEST MIAMI-DADE NOTICE OF ACCEPTANCE (NOA).
8.2. REINFORCEMENT EXTRUSIONS: 6063-T5 ALUMINUM.
8.3. 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 E1300-04E01.
10. ALL SETTING BLOCKS SHALL BE IN COMPLIANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE. SETTING BLOCKS SHALL BE NEOPRENE WITH A 70 TO 90 SHORE A DUROMETER.
11. DESIGNATION "O" STANDS FOR FIXED PANEL AND "X" STANDS FOR OPERABLE PANEL.
12. INTERIOR AND EXTERIOR FINISHING AND SEALING ARE FOR ILLUSTRATIVE PURPOSES ONLY. THESE DRAWINGS CERTIFY THE DOOR INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED DOOR IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

PERFORMANCE RATING			
MAXIMUM NOMINAL DOOR SIZE	GLAZING DETAIL (SEE SHEET 9)	DESIGN PRESSURE (PSF)	IMPACT RATING
96" x 96" XO OR OX	A	+/- 50	LARGE MISSILE IMPACT
96" x 96" XX	A	+/- 50	

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 8 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
4. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEETS 3 AND 4.
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 DOOR 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.

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SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES, TABLE OF CONTENTS
2	ANCHOR SCHEDULE - EMBEDMENT AND EDGE DISTANCE
3	96" x 96" XX SGD ELEVATION & ANCHORING LAYOUT
4	96" x 96" XO OR OX SGD ELEVATION & ANCHORING LAYOUT
5	XX VERTICAL CROSS SECTIONS
6	XX HORIZONTAL CROSS SECTIONS
7	XO OR OX VERTICAL CROSS SECTIONS
8	XO OR OX HORIZONTAL CROSS SECTIONS
9	GLAZING DETAIL AND GLAZING NOTES /BILL OR MATERIALS

PROJECT # 419-0901					BY
					DATE
					REV

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

SERIES 9700 VINYL SLIDING GLASS DOOR - XX, OX, XO
GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

PREPARED BY: DRAWN BY: RJA DATE: 3/17/2020
SCALE: N.T.S. DRAWING NO: RWD0019
REV: First Issue SHEET: 1 OF 9


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Date: 2020.03.24 11:36:35 -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 (SEE NOTE 3)	ANCHOR CAPACITIES BASED ON
THROUGH FRAME ANCHOR	SECTIONS A THRU G (SHEETS 5 TO 8)	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 (DENSITY > 117 PCF)
		PAN HEAD (SHOWN ON SHEETS 5 TO 8)	No. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2) GRADE 2 EQUIVALENT (SHOWN ON SHEETS 5 TO 8)	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				
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 0.112" PILOT HOLE (DRILL SIZE 34). FOR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 0.121" PILOT HOLE (DRILL SIZE 31). 3) TWO (2) ANCHORS PER LOCATION ALLOWED TO HAVE 2.45" SEPARATION. 3" SPACING IS BETWEEN ANCHOR LOCATIONS SHOWN IN ELEVATION.									

FRAME ANCHORAGE

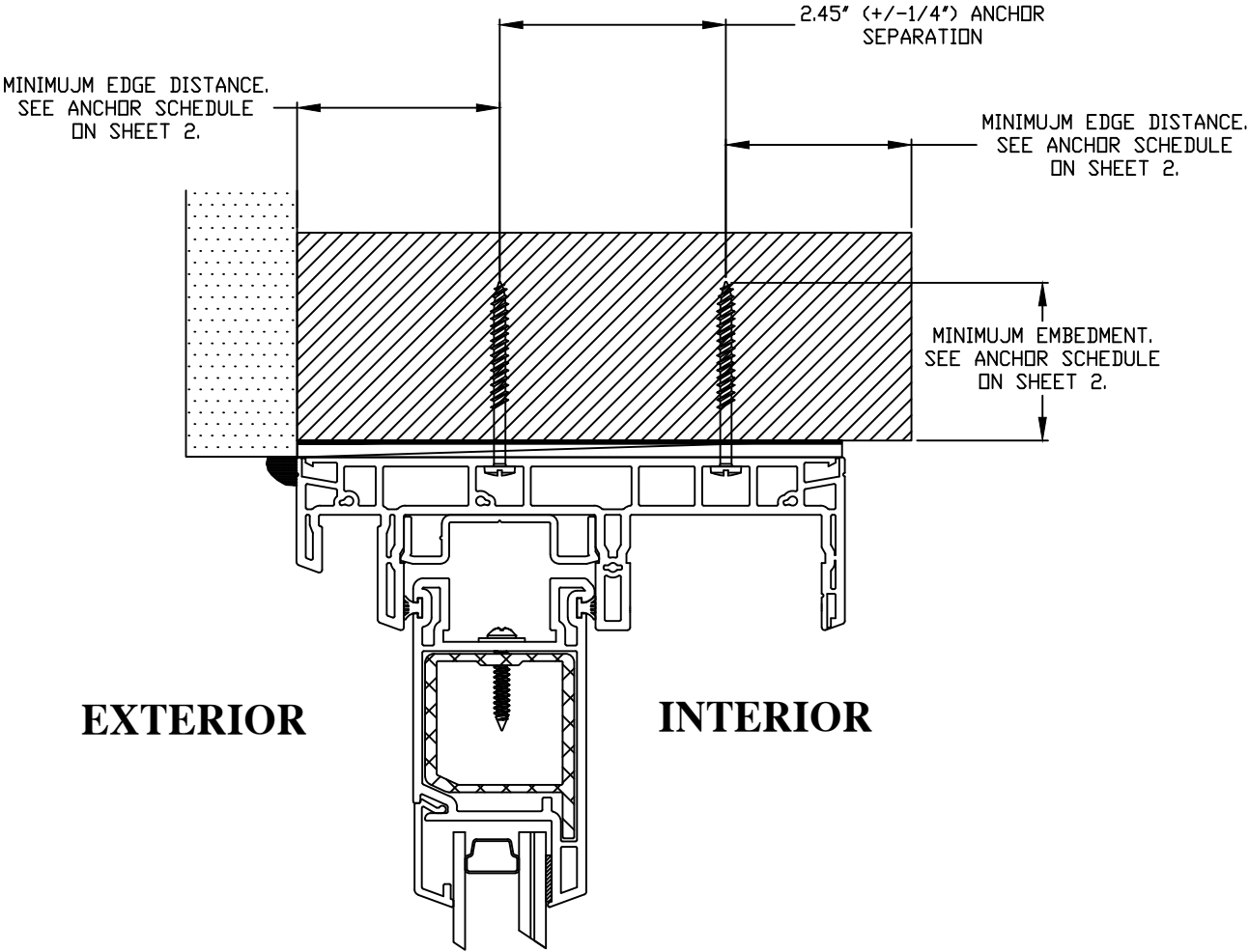
MINIMUM EMBEDMENT

AND EDGE DISTANCE

THROUGH-FRAME INSTALLATION

OPERABLE AND FIXED DOOR PANELS

(OPERABEL HEAD PANEL SHOWN)



PROJECT # 419-0901				BY
				DATE
				DESCRIPTION
				REV

RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218	SERIES 9700 VINYL SLIDING GLASS DOOR - XX, OX, XO ANCHOR SCHEDULE - EMBEDMENT & EDGE DISTANCE			
	DRAWN BY: RJA	DATE: 3/17/2020	DRAWING NO: RWD0019	SHEET: 2 OF 9
	SCALE: N.T.S.	REV: First Issue		

PREPARED BY:

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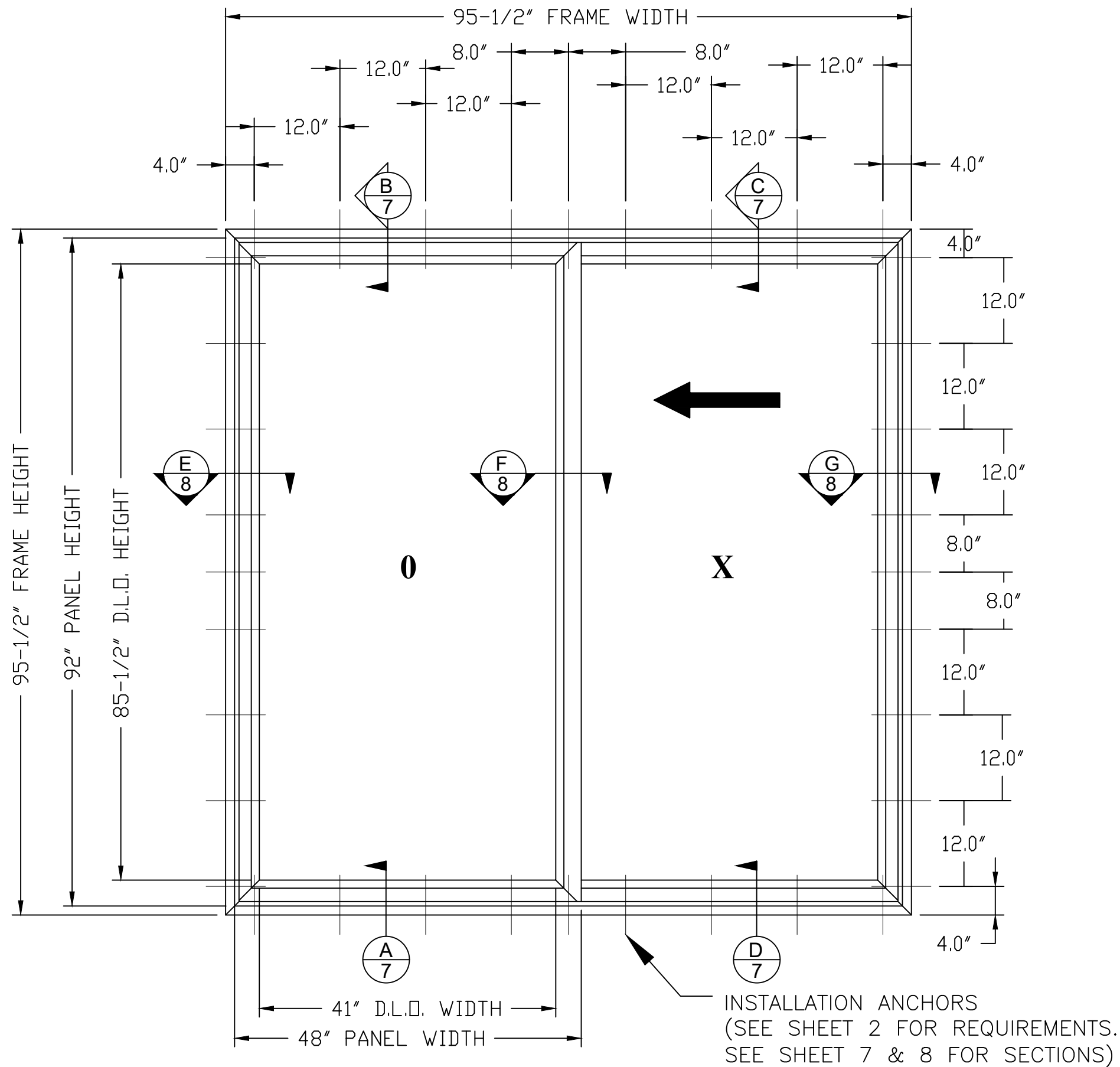
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EXTERIOR VIEW (95-1/2" X 95-1/2" SIZE SHOWN, NOMINAL 96" X 96")

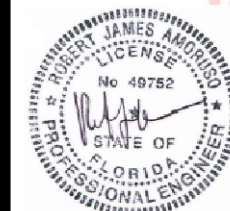
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INSTALLATION ANCHORS
(SEE SHEET 2 FOR REQUIREMENTS.
SEE SHEET 7 & 8 FOR SECTIONS)

SERIES 9700 VINYL OX SLIDING GLASS DOOR - GLAZING DETAIL A
EXTERIOR VIEW (95-1/2" X 95-1/2" SIZE SHOWN, NOMINAL 96" X 96")
OX SHOWN (XO OPPOSITE HAND AND APPROVED)

Robert J. Amoruso, P.E.
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RENAISSANCE WINDOWS AND DOORS
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SERIES 9700 VINYL SLIDING GLASS DOOR - XX, OX, XO
96" X 96" XO OR OX ELEVATION & ANCHORING LAYOUT

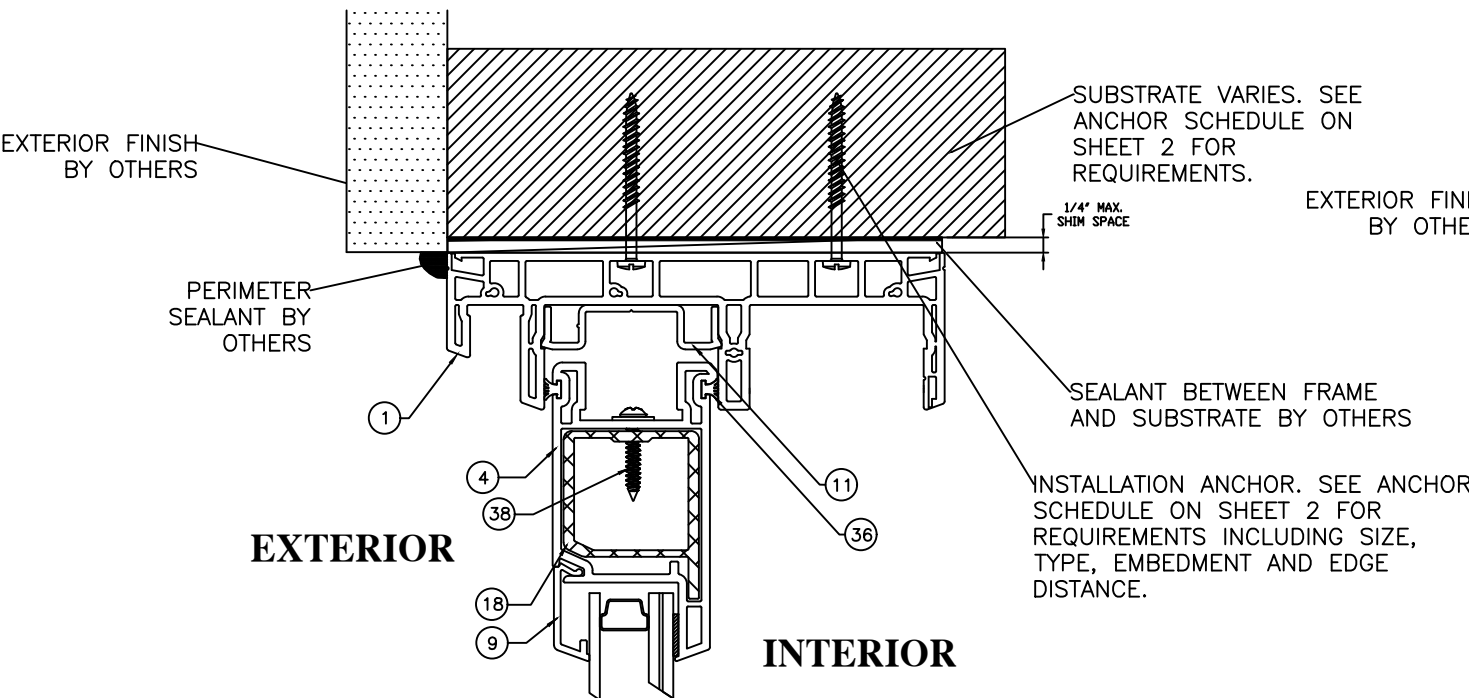
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	RJA	3/17/2020		4 OF 9
	SCALE:	DRAWING NO:		
	N.T.S.	RWD0019		
	REV:	First Issue		



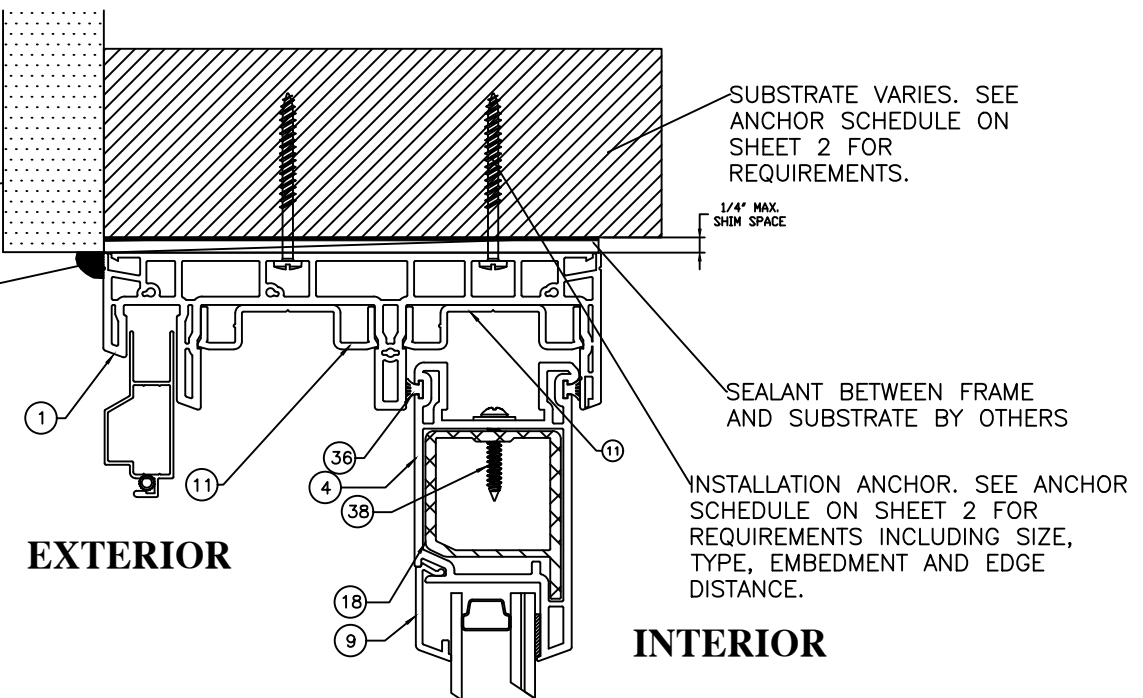
PROJECT # 419-0901

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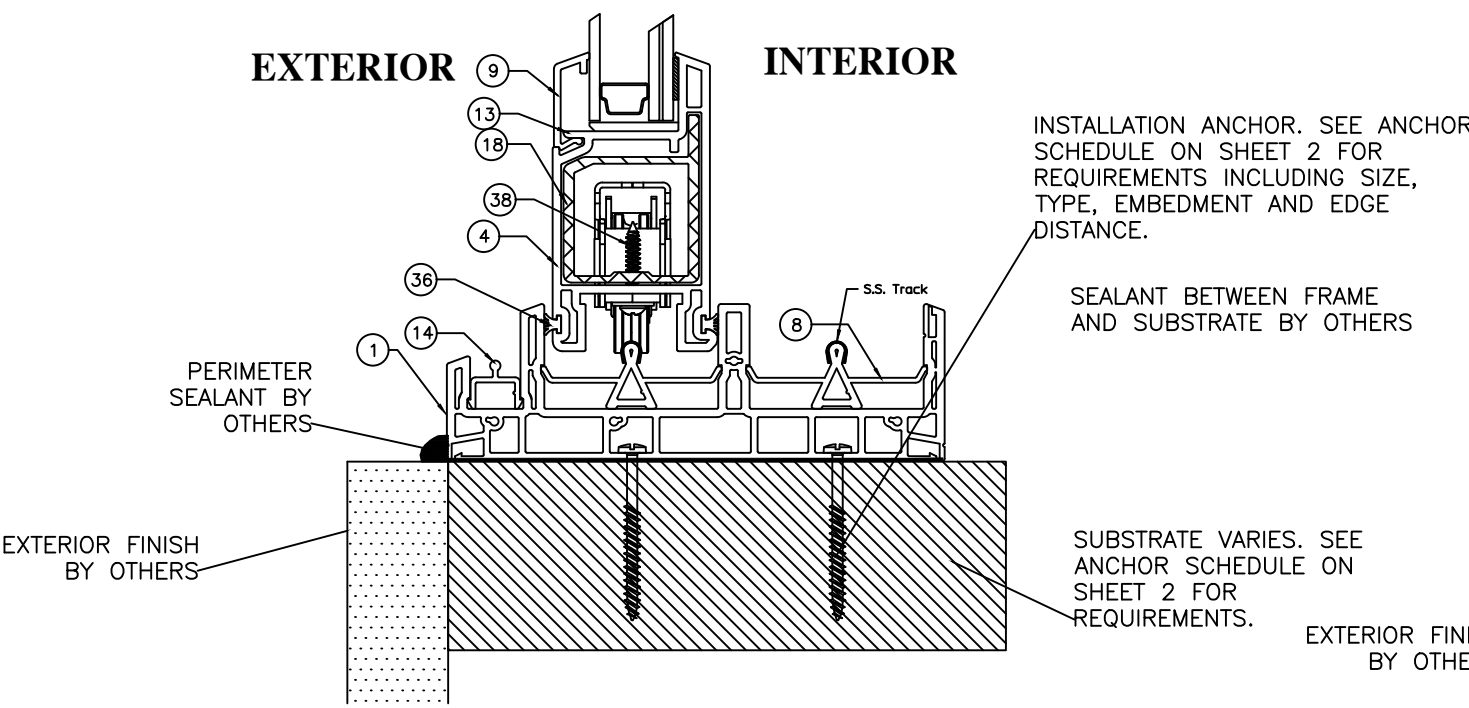
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THROUGH-FRAME INSTALLATION



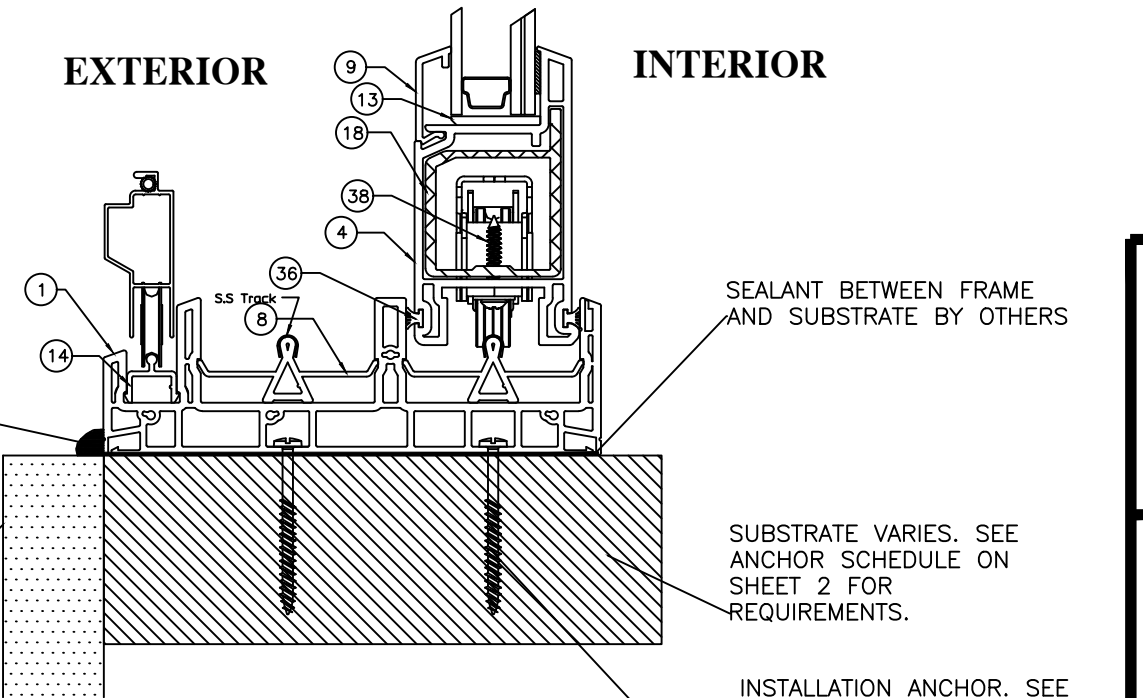
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5
HEAD CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL



C
5
HEAD CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL



A
5
SILL CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL



D
5
SILL CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL

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SERIES 9700 VINYL SLIDING GLASS DOOR - XX, OX, XO
XX VERTICAL CROSS SECTIONS

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REV:	First Issue
SHEET:	5 OF 9

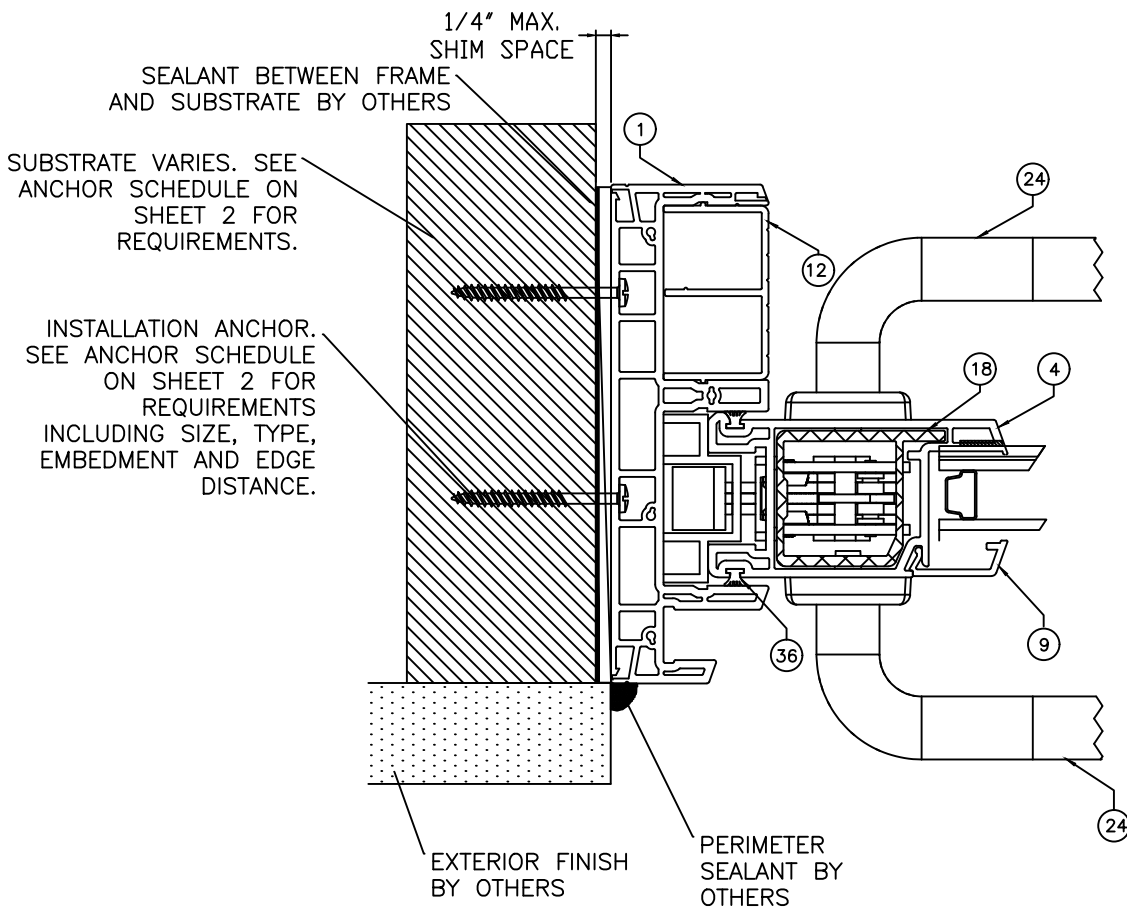


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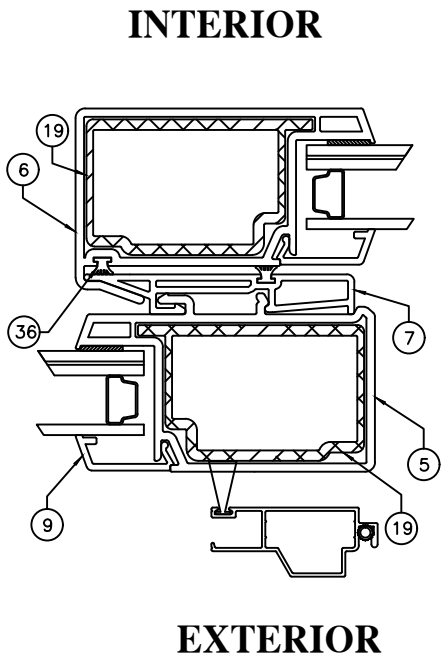


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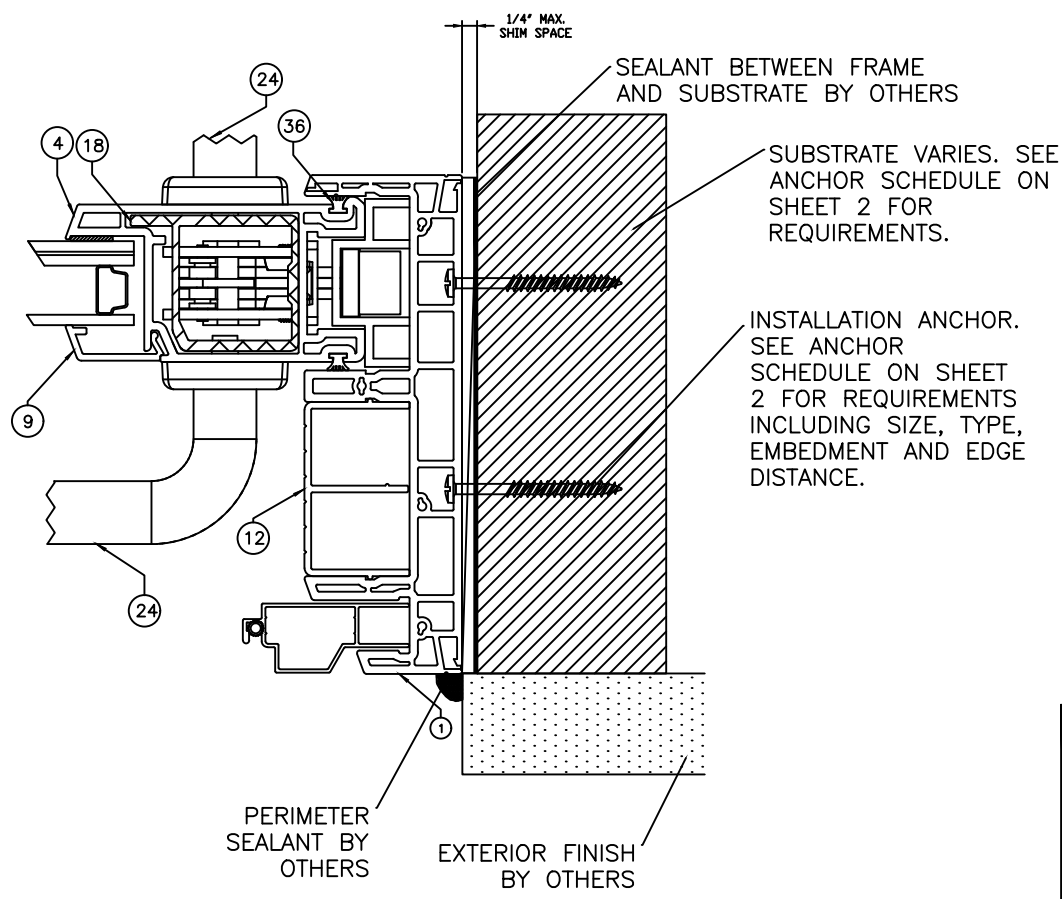
XX HORIZONTAL CROSS SECTIONS
THROUGH-FRAME INSTALLATION



E
6 **JAMB CROSS SECTION**
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL



F
6 **INTERLOCK CROSS SECTION**
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANELS



G
6 **JAMB CROSS SECTION**
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

SERIES 9700 VINYL SLIDING GLASS DOOR - XX, OX, XO
XX HORIZONTAL CROSS SECTIONS

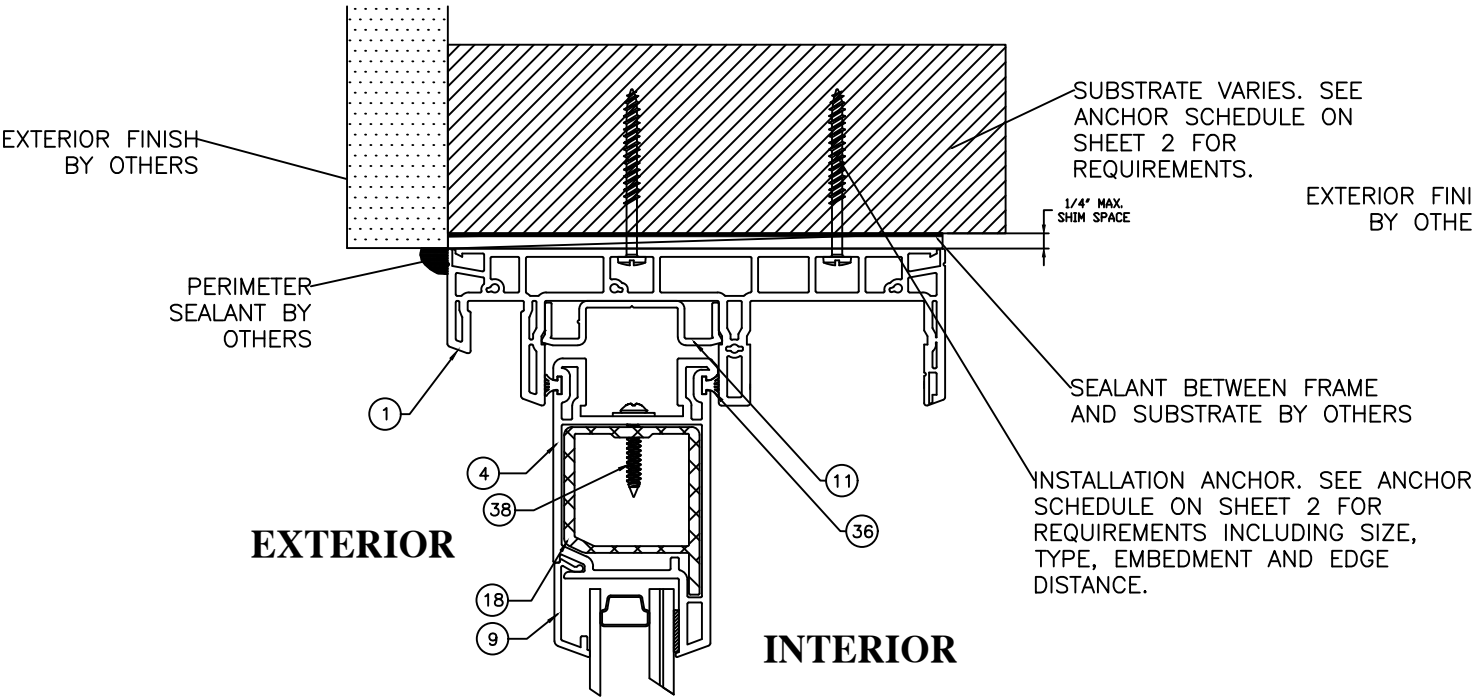
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PREPARED BY:				
DRAWN BY:	RJA	DATE:	3/17/2020	
SCALE:	N.T.S.	DRAWING NO:	RWD00019	
REV:	First Issue	SHEET:	6 OF 9	
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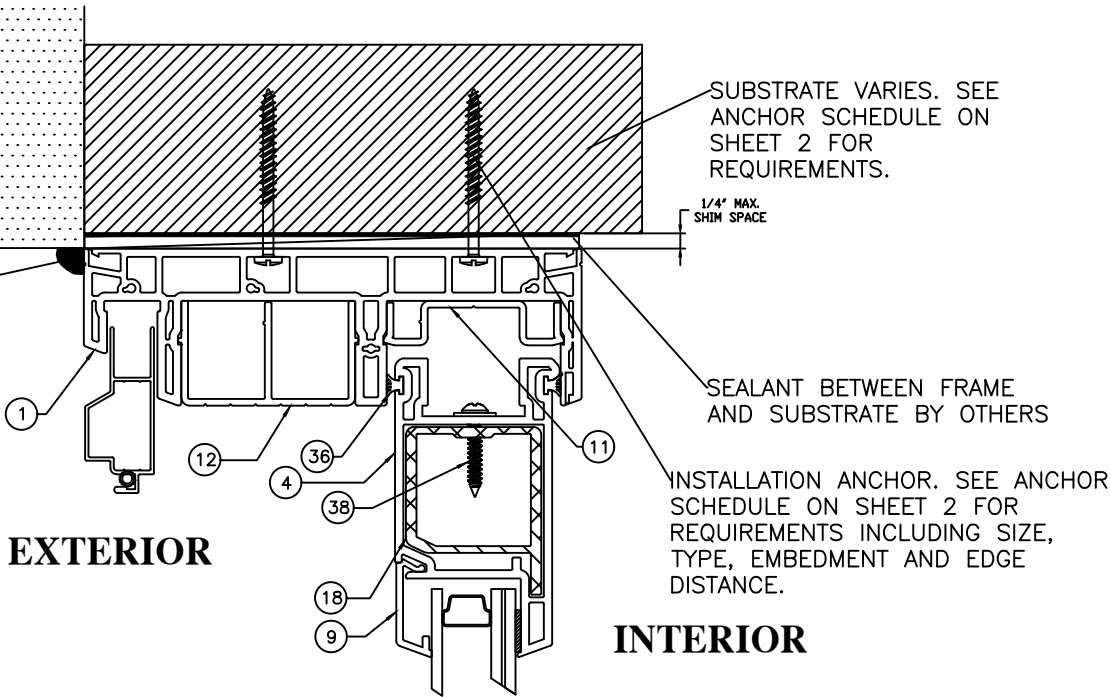
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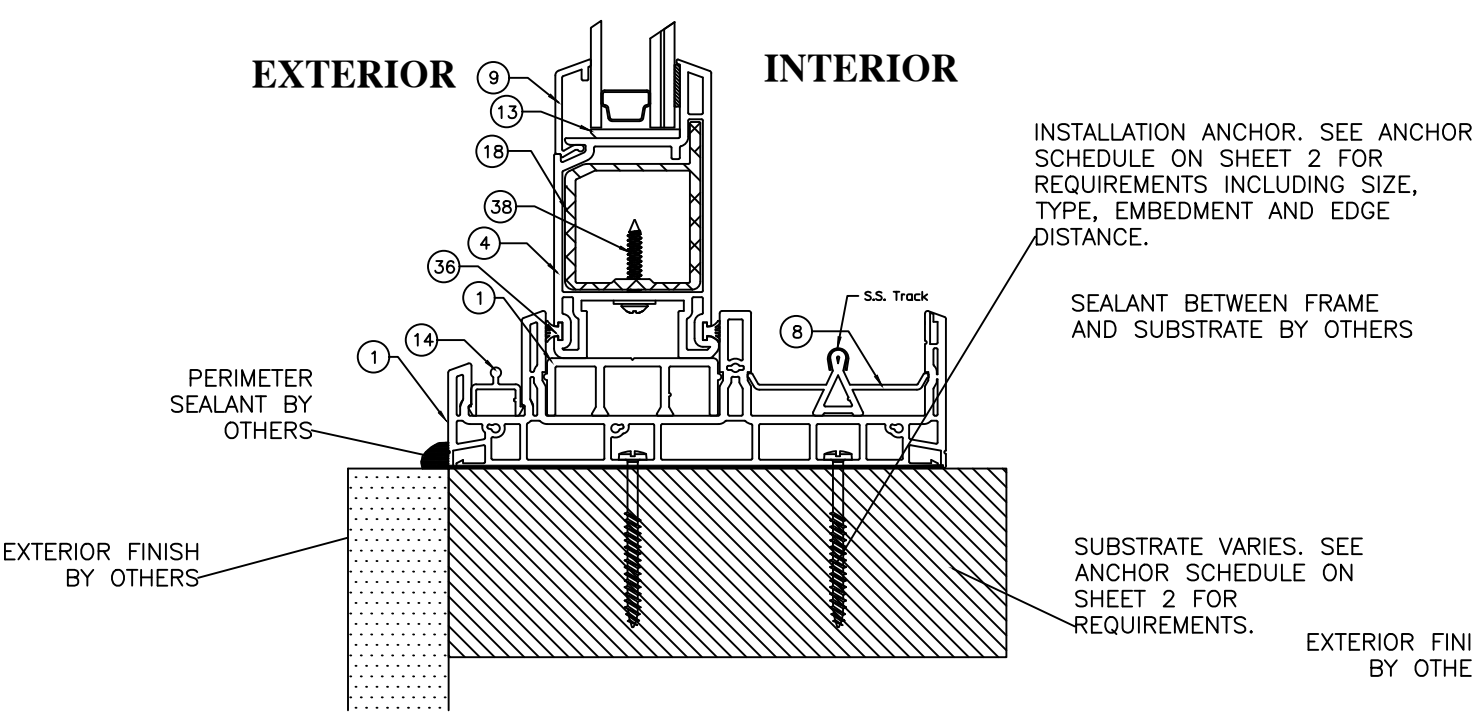
OX VERTICAL CROSS SECTIONS
THROUGH-FRAME INSTALLATION



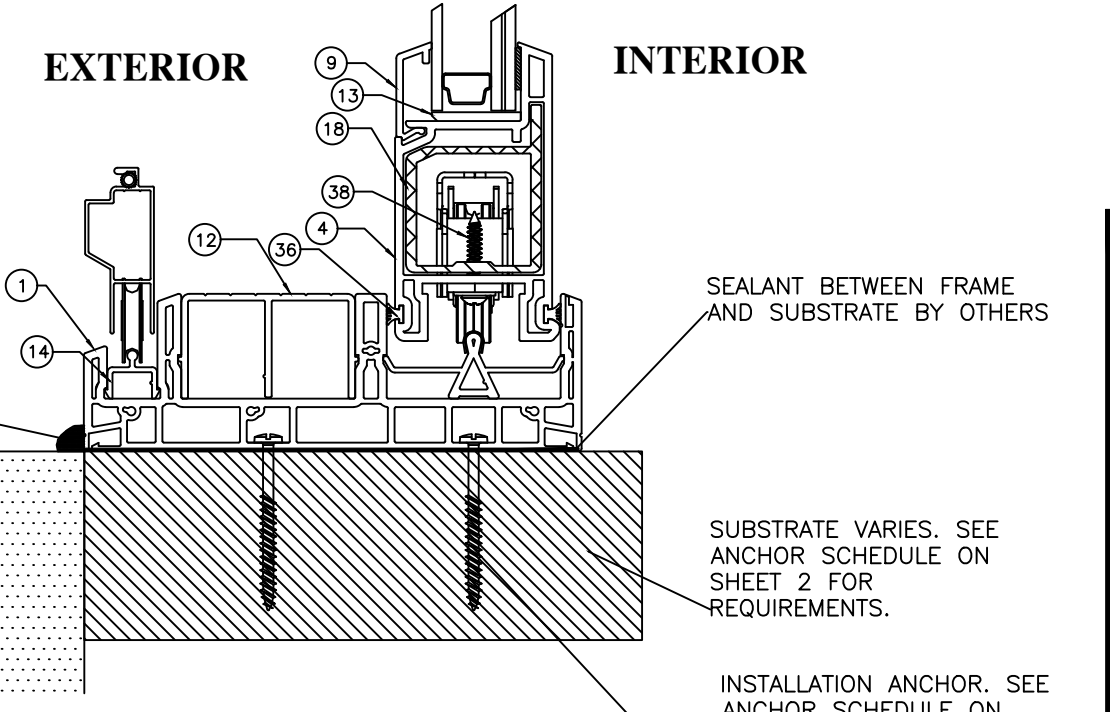
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7 HEAD CROSS SECTION
THROUGH-FRAME INSTALLATION
FIXED DOOR PANEL



C
7 HEAD CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL



A
7 SILL CROSS SECTION
THROUGH-FRAME INSTALLATION
FIXED DOOR PANEL



D
7 SILL CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL

PROJECT # 419-0901

RENAISSANCE WINDOWS AND DOORS
13340 INTERNATIONAL PARKWAY
JACKSONVILLE, FL 32218

SERIES 9700 VINYL SLIDING GLASS DOOR - XX, OX, XO
OX VERTICAL CROSS SECTIONS

PREPARED BY:

DRAWN BY:

DATE:

DRAWING NO:

REV:

DESCRIPTION

DATE

BY

REV

7 OF 9

First Issue

N.T.S.

RJA

3/17/2020

RWD0019

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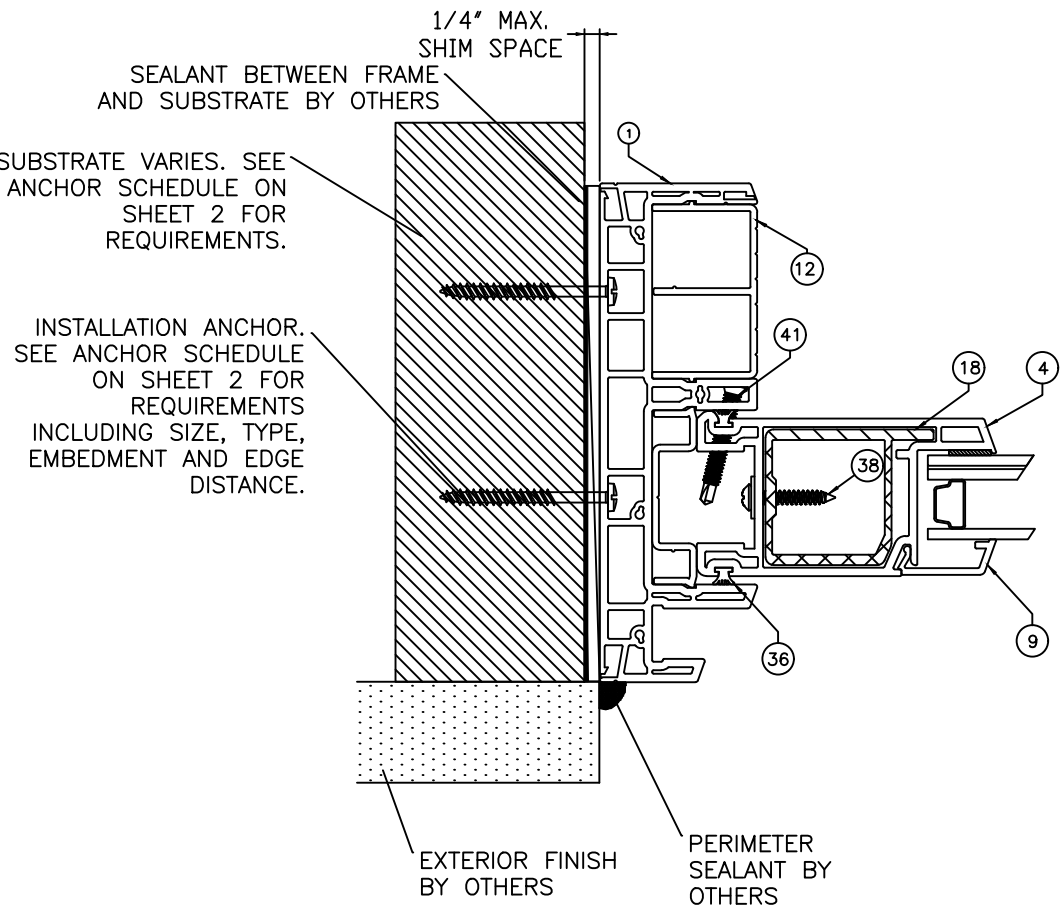
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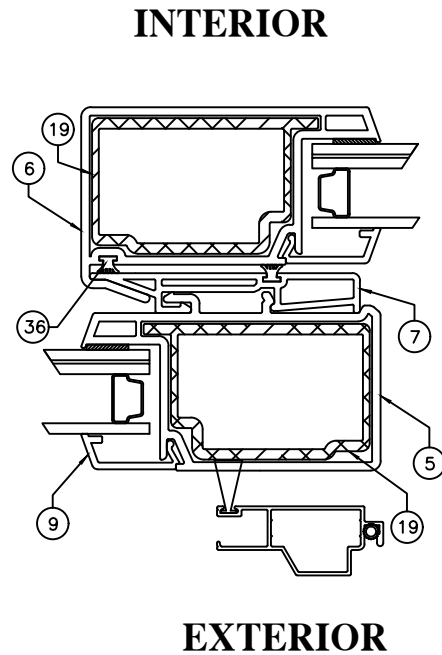


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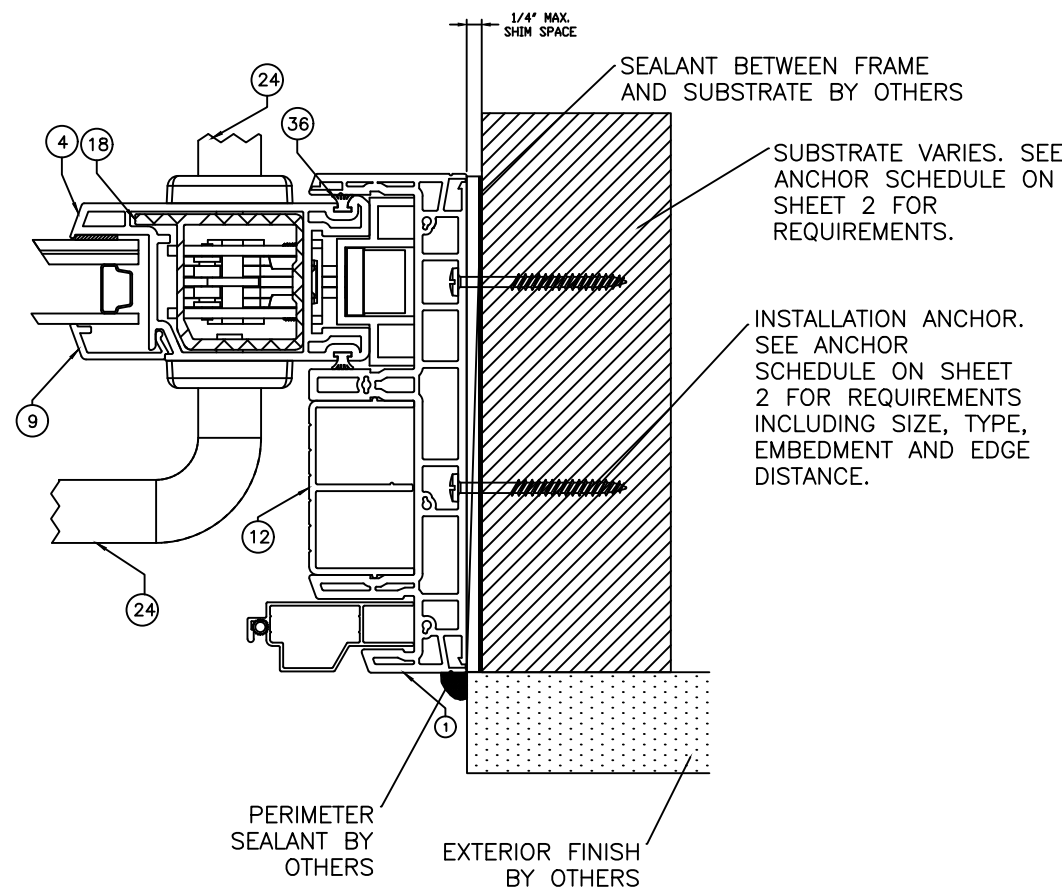
OX HORIZONTAL CROSS SECTIONS
THROUGH-FRAME INSTALLATION



E
8 JAMB CROSS SECTION
THROUGH-FRAME INSTALLATION
FIXED DOOR PANEL



F
8 INTERLOCK
CROSS SECTION
THROUGH-FRAME INSTALLATION
FIXED/OPERABLE DOOR PANELS



G
8 JAMB CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL

PROJECT # 419-0901					DATE	BY

RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218	SERIES 9700 VINYL SLIDING GLASS DOOR - XX, OX, XO OX HORIZONTAL CROSS SECTIONS	DATE:	3/17/2020	DRAWING NO:	RWD0019	SHEET:	8 OF 9
		DRAWN BY:	RJA	SCALE:	N.T.S.	REV:	First Issue
		PREPARED BY:					

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