

RENAISSANCE WINDOWS AND DOORS

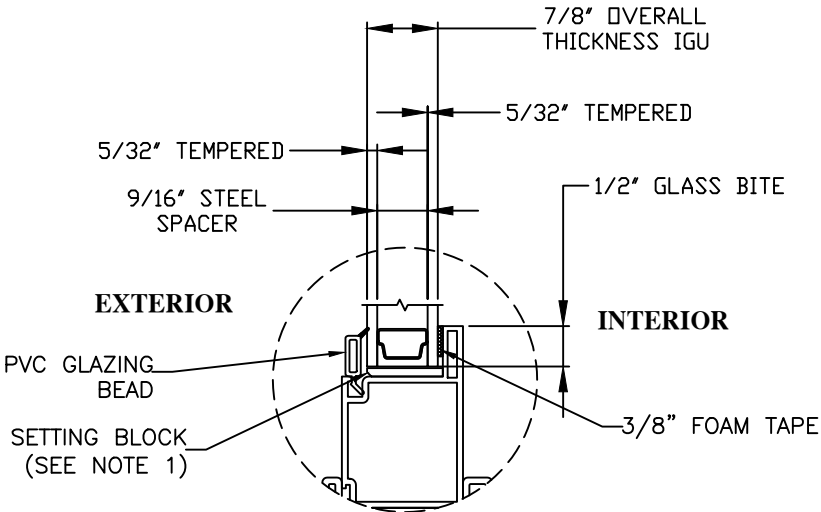
SERIES 8400 VINYL SLIDING GLASS DOOR - OX, XO, OXO & OXXO

GENERAL NOTES:

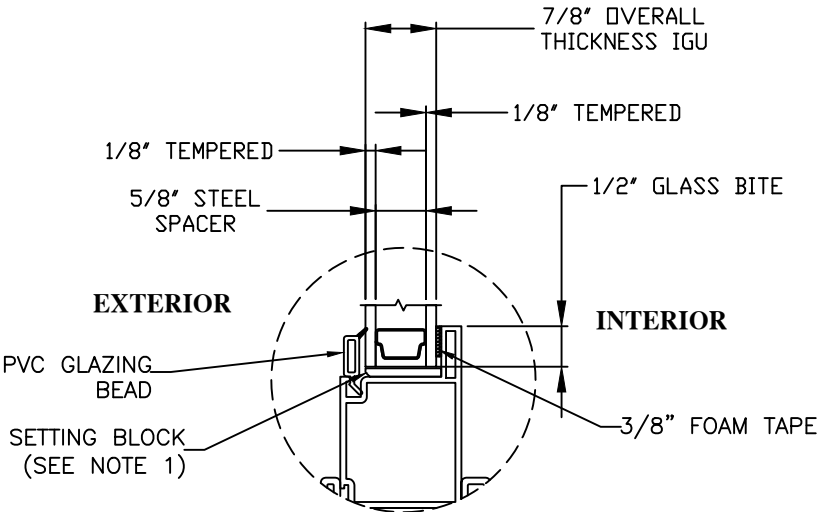
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 9TH EDITION (2026) FLORIDA BUILDING CODE (FBC), EXCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ) AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
- 1.1. AAMA/WDMA/CSA 101/I.S.2/A440-08 AND 11
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION .
3. 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 ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION .
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS.
5. AN APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED ON THIS PRODUCT WHEN USED IN WIND BOURNE DEBRIS REGIONS REQUIRING OPENING PROTECTION.
6. MATERIALS
- 6.1. FRAME MATERIAL: PVC
- 6.2. REINFORCEMENT: STEEL AND ALUMINUM
7. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-24. SEE SHEET 1 FOR GLAZING DETAIL.
8. DESIGNATION "O" STANDS FOR FIXED PANEL AND "X" STANDS FOR OPERABLE PANEL.
9. THESE DRAWINGS CERTIFY THE FENESTRATION ANCHORAGE INSTALLATION ONLY. WATER-RESISTIVE BARRIER DETAILING OF THE WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. DETAILS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. WATER-RESISTIVE BARRIER DETAILING SHALL BE THE RESPONSIBILITY OF THE INSTALLER. REFER TO THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SECTION 1405.4 AND FLORIDA RESIDENTIAL CODE SECTION R703.4 FOR RECOMMENDATIONS. PER FBC SECTION 1405.4.1.4 AND FRC SECTION R703.4, FMA/AAMA 100-12 AND FMA/AAMA 200-12 CAN BE USED FOR GUIDANCE. ADDITIONALLY, ASTM E2112 CAN BE USED FOR GUIDANCE.

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SHEET	SHEET DESCRIPTION
1	GENERAL NOTES AND GLAZING DETAILS
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3	96" x 83" OX OR XO ELEVATION & ANCHORING LAYOUT
4	130" x 84" OXO ELEVATION & ANCHORING LAYOUT
5	142" x 80" OXXO ELEVATION & ANCHORING LAYOUT
6	VERTICAL SECTIONS
7	HORIZONTAL SECTIONS
8	INSTALLATION DETAILS

PERFORMANCE RATING			
MAXIMUM NOMINAL DOOR SIZE	GLAZING DETAIL (SEE SHEET 9)	DESIGN PRESSURE (PSF)	IMPACT RATING
96" x 96" XO OR OX	A	+/- 30	NONE
96" x 83" XO OR OX	A	+/- 40	
130" x 84" OXO	A	+/-30	
142" x 80" OXXO	B	+/-25	



GLAZING DETAIL A



GLAZING DETAIL B

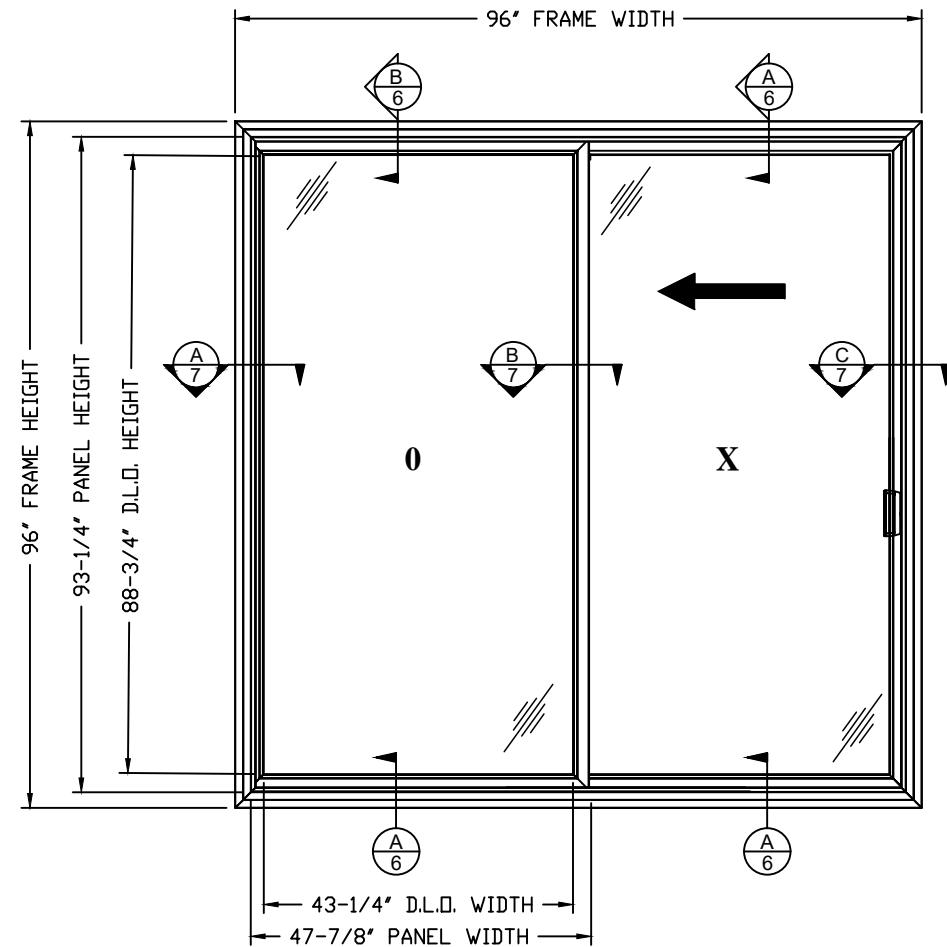
- NOTES:
1. A MINIMUM OF TWO (2) NEOPRENE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS ARE REQUIRED AT BOTTOM (SILL) OF GLAZING LITES MORE THAN 3 FEET IN WIDTH.

PROJECT # ACE-2025-127				RJA	BY
				8/4/26	DATE
			UPDATE TO THE 9TH EDITION (2026) FBC	A	REV
RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218	SERIES 8400 VINYL SLIDING GLASS DOOR - OX, XO, OXO & OXXO GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS		DATE:	4/13/2020	
			DRAWN BY:	RJA	
			SCALE:	N.T.S.	
			DRAWING NO:	RWD0024	
			SHEET:	1 OF 8	
			REV:	A	
		PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM			

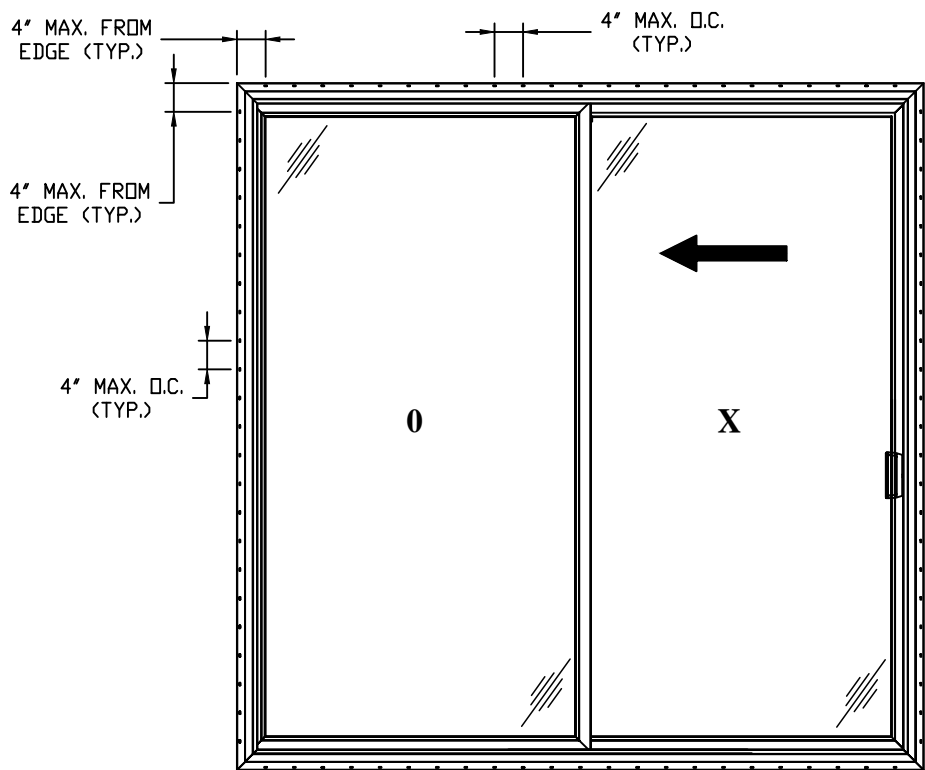
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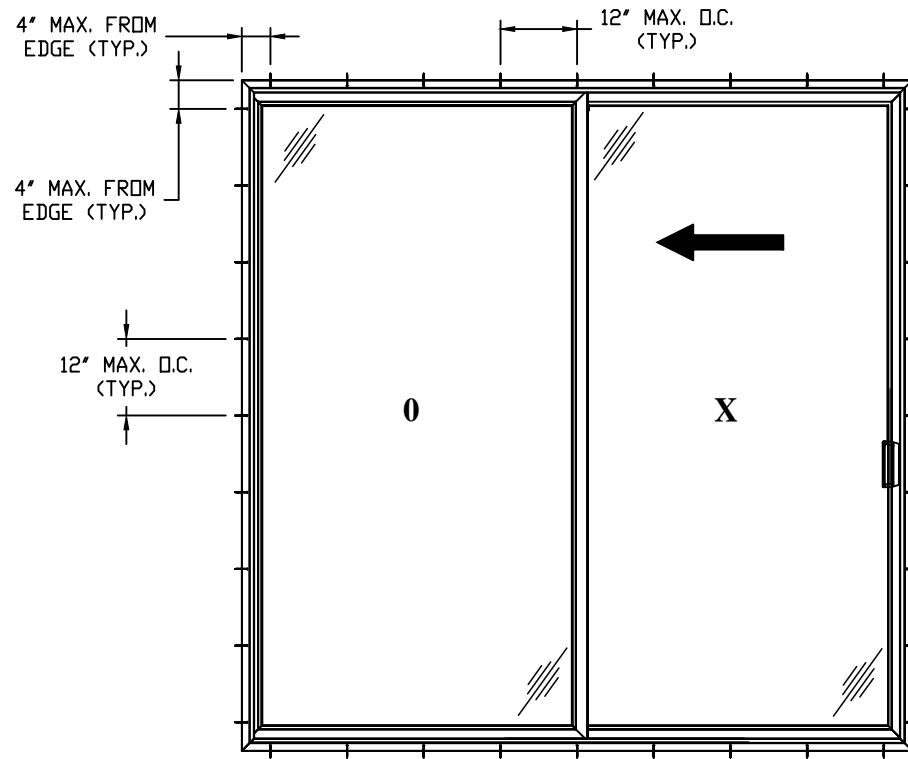
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SERIES 8400 VINYL OX SLIDING GLASS DOOR
INTERIOR VIEW (96" X 96")
OX SHOWN (XO OPPOSITE HAND AND APPROVED)



SERIES 8400 VINYL OX SLIDING GLASS DOOR
ANCHOR LAYOUT
NAIL FIN INSTALLATION



SERIES 8400 VINYL OX SLIDING GLASS DOOR
ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

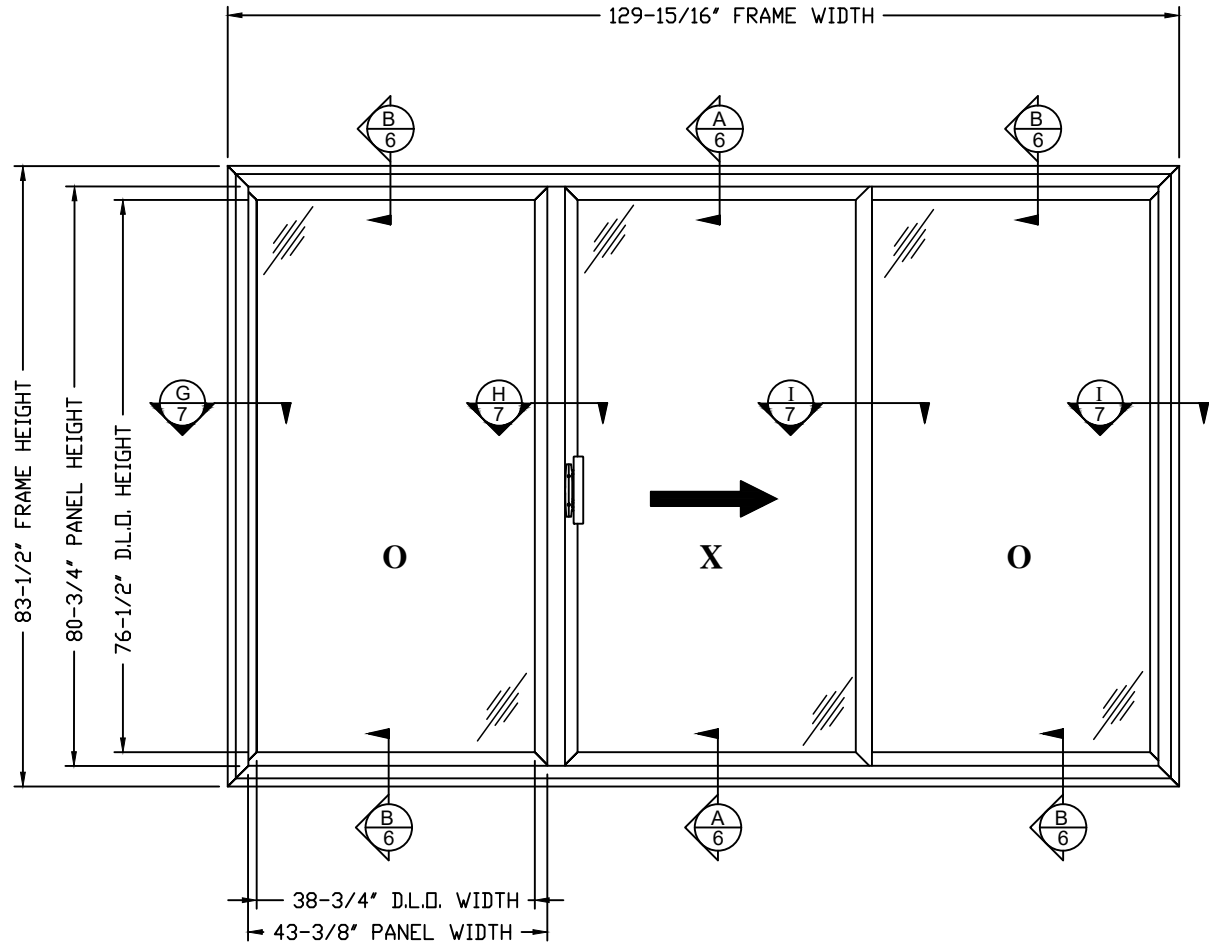
TWO (2) INSTALLATION
ANCHORS PER LOCATION,
TYP. ALL LOCATIONS.
(SEE SHEET 1 FOR
REQUIREMENTS. SEE
SHEET 8 FOR ANCHOR
SCHEDULE AND
INSTALLATION SECTIONS)

PROJECT # ACE-2025-127					
RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218	SERIES 8400 VINYL SLIDING GLASS DOOR - OX, XO, OXO & OXXO 96" x 96" OX OR XO ELEVATION & ANCHORING LAYOUT	DRAWN BY: RJA	DATE: 4/13/2020	SCALE: N.T.S.	REV: A
AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM	UPDATE TO THE 9TH EDITION (2026) FBC	A	8/4/26	RJA	BY
PROJECT # ACE-2025-127	DESCRIPTION	REV	DATE	BY	

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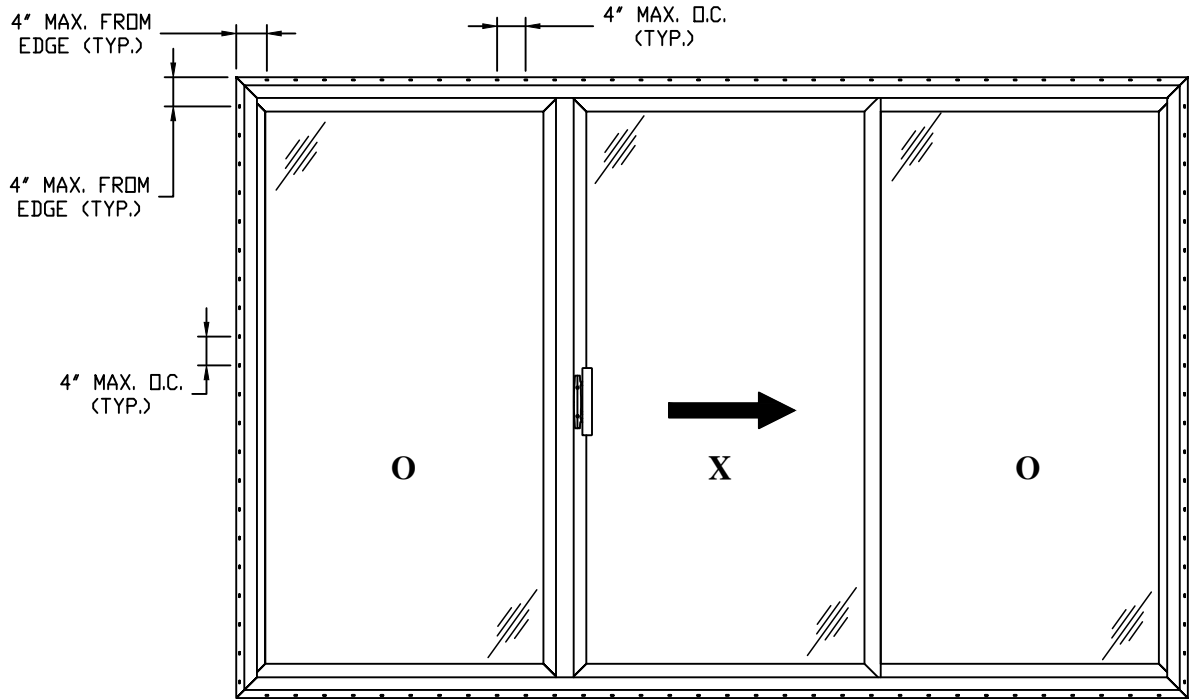


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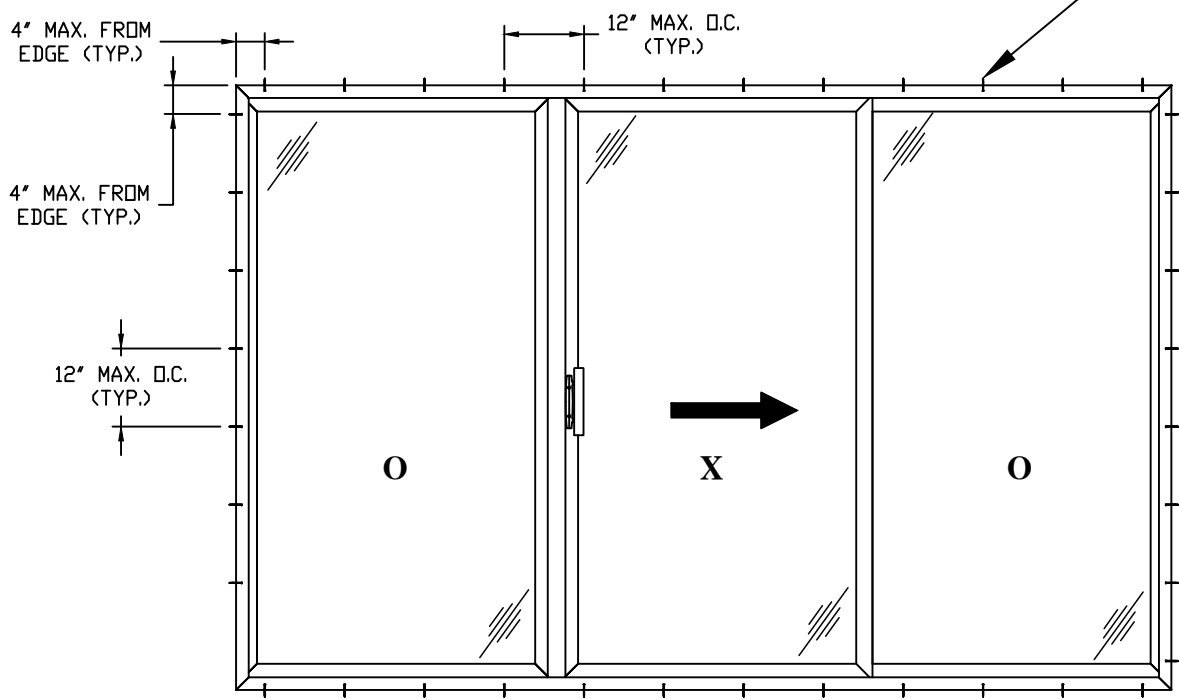


SERIES 8400 VINYL OXO SLIDING GLASS DOOR
INTERIOR VIEW (130" X 84" NOMINAL)

TWO (2) INSTALLATION
ANCHORS PER LOCATION,
TYP. ALL LOCATIONS.
(SEE SHEET 1 FOR
REQUIREMENTS. SEE
SHEET 8 FOR ANCHOR
SCHEDULE AND
INSTALLATION SECTIONS)



SERIES 8400 VINYL OXO SLIDING GLASS DOOR
ANCHOR LAYOUT
NAIL FIN INSTALLATION

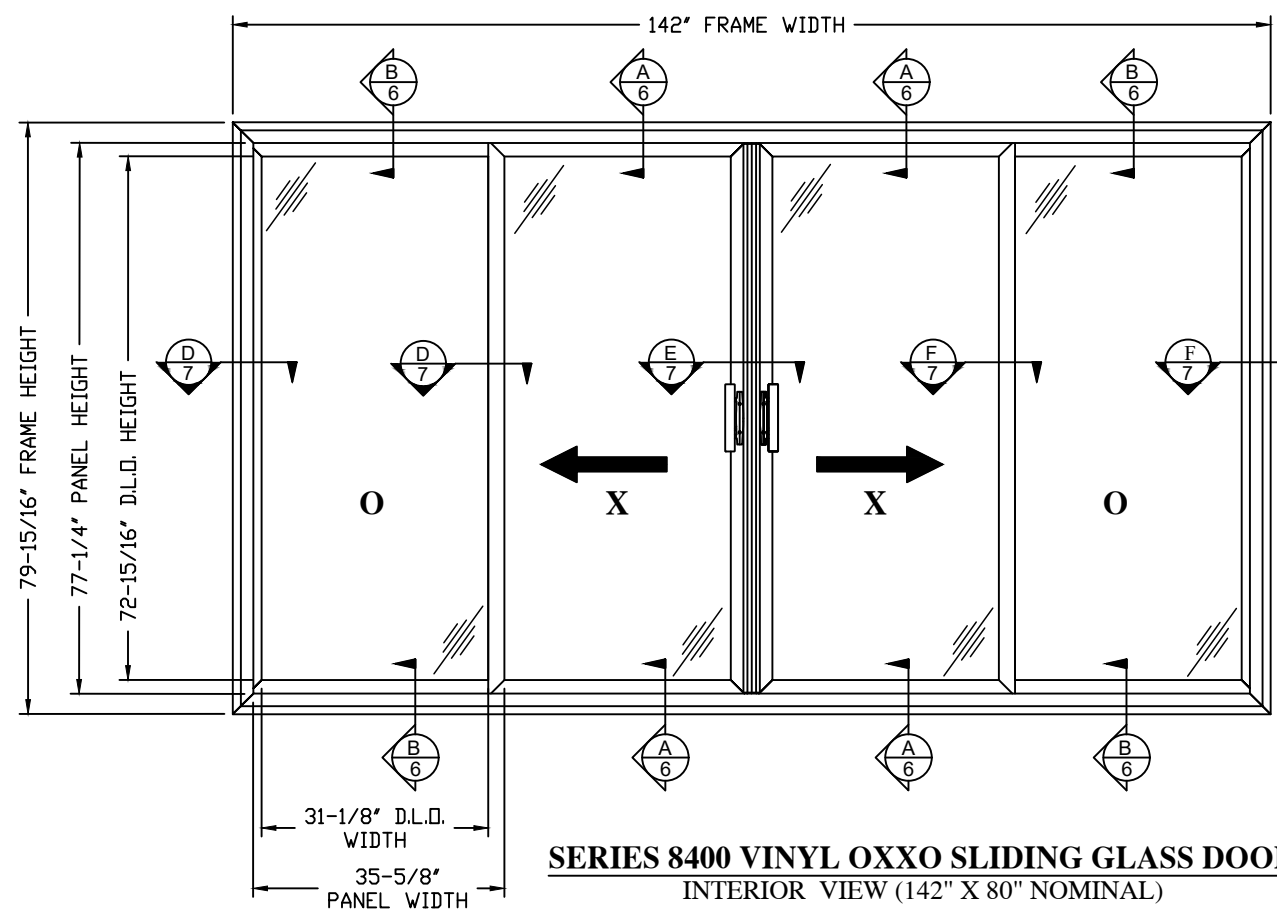


SERIES 8400 VINYL OXO SLIDING GLASS DOOR
ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

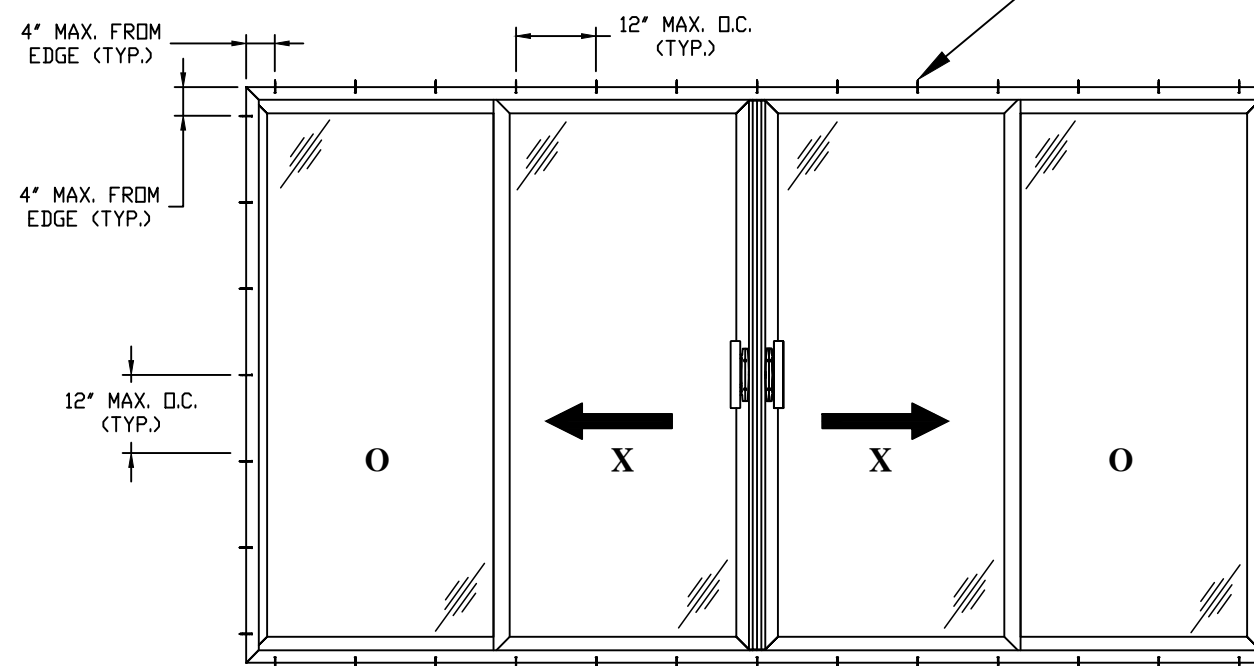
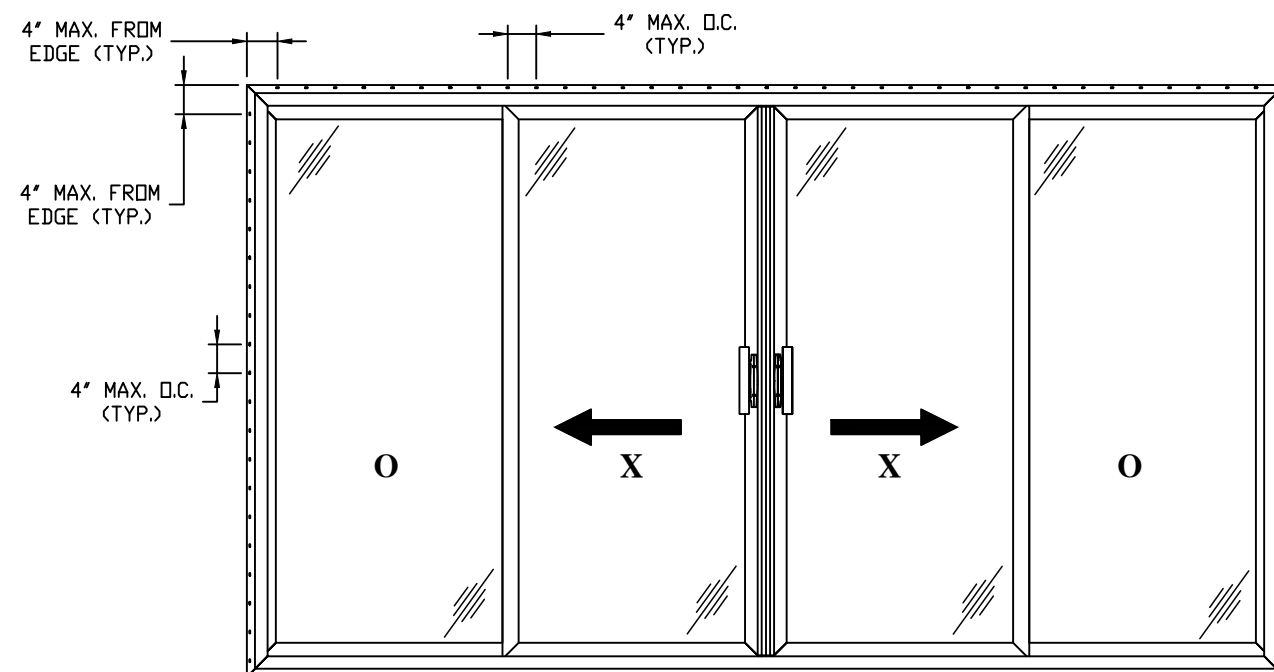
PROJECT # ACE-2025-127				RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218			
				SERIES 8400 VINYL SLIDING GLASS DOOR - OX, XO, OXO & OXO 130" x 84" OXO ELEVATION & ANCHORING LAYOUT			
				DRAWN BY: RJA	DATE: 4/13/2020		
				SCALE: N.T.S.	DRAWING NO: RWD0024		
				REV: A	SHEET: 4 OF 8		
				PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RIAENGPE@GMAIL.COM			
				UPDATE TO THE 9TH EDITION (2026) FBC			
				RJA			
				8/4/26			
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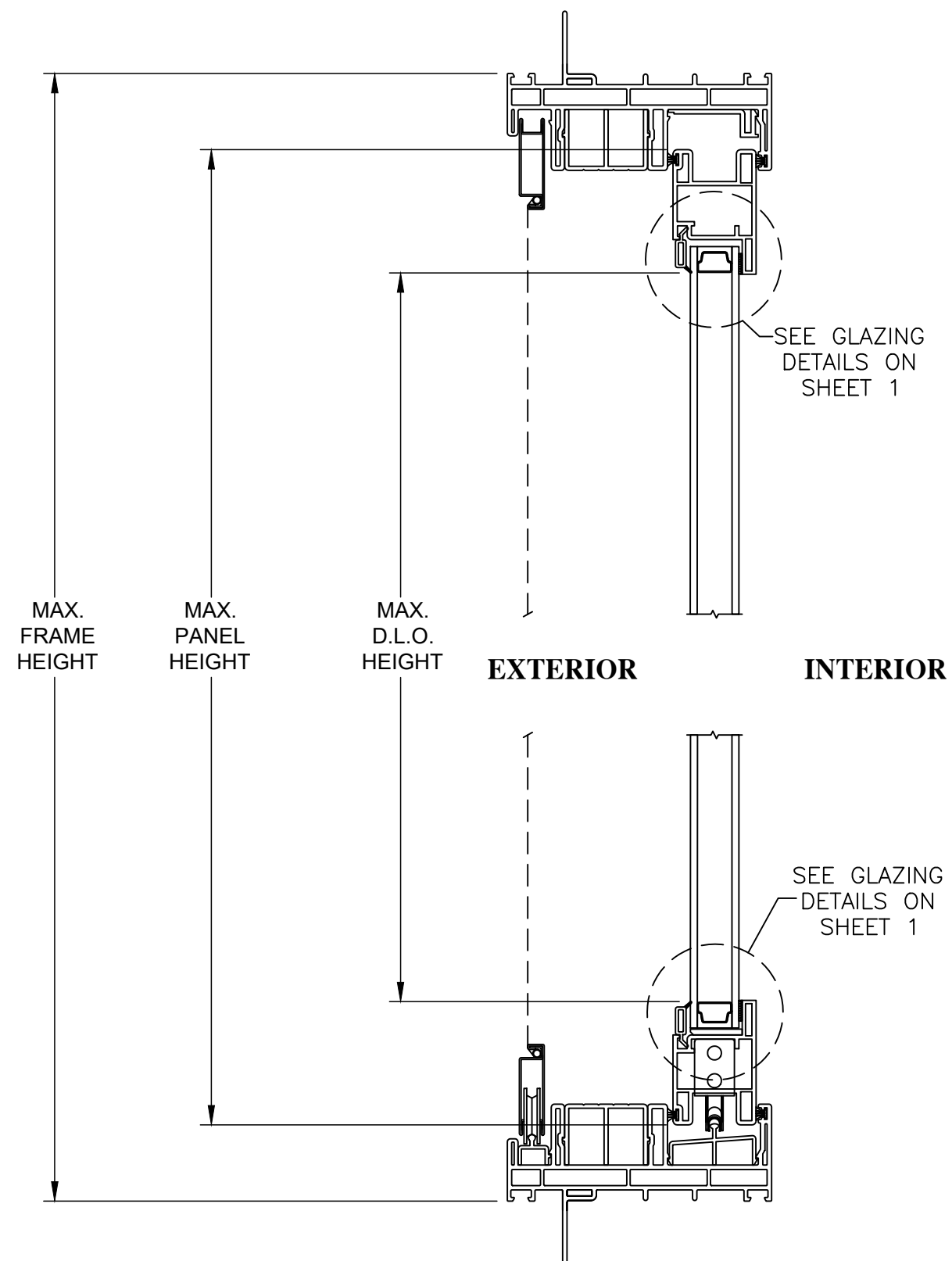




TWO (2) INSTALLATION
ANCHORS PER LOCATION,
TYP. ALL LOCATIONS.
(SEE SHEET 1 FOR
REQUIREMENTS. SEE
SHEET 8 FOR ANCHOR
SCHEDULE AND
INSTALLATION SECTIONS)



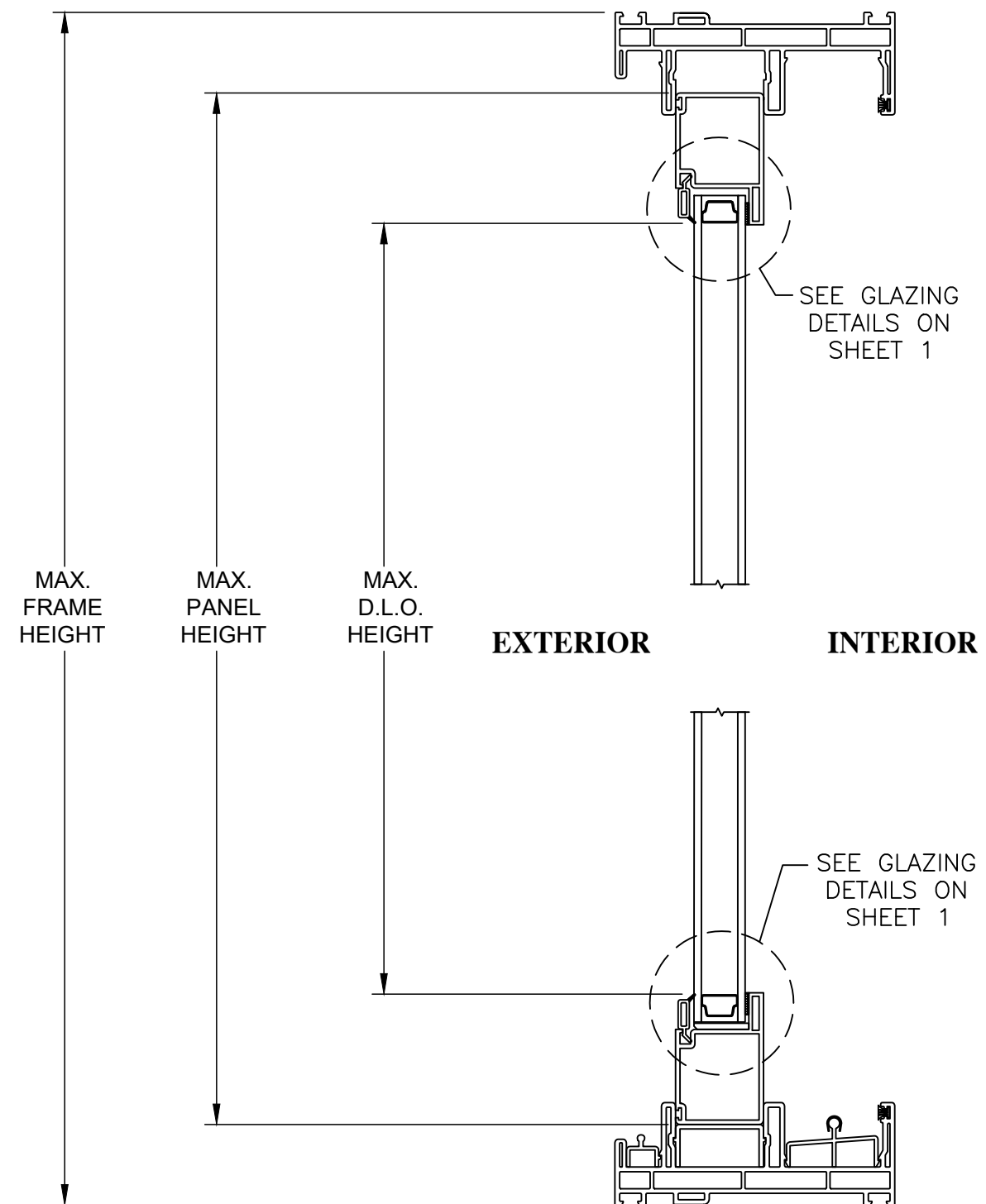
RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218		PROJECT # ACE-2025-127	
SERIES 8400 VINYL SLIDING GLASS DOOR - OX, XO, OXO & OXXO 142" x 80" OXXO ELEVATION & ANCHORING LAYOUT			
PREPARED BY: AMORUSO CONSULTING ENG., LLC FBPE REGISTRATION NO. 38327 226 N NOVA RD, NO. 142 ORMOND BEACH, FL 32174 RJAENGPE@GMAIL.COM		DRAWN BY: RJA	DATE: 4/13/2020
		SCALE: N.T.S.	DRAWING NO: RWD0024
		REV: A	SHEET: 5 OF 8
		A	UPDATE TO THE 9TH EDITION (2026) FBC
		REV	DESCRIPTION
		DATE	BY



A
6

VERTICAL SECTION

NAIL FIN INSTALLATION OPERABLE DOOR PANEL



B
6

VERTICAL SECTION

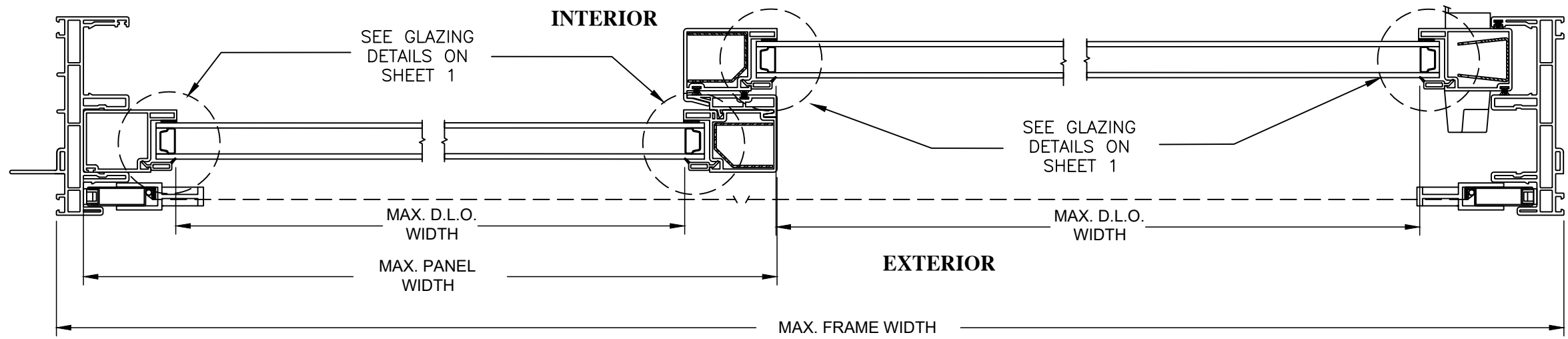
THROUGH FRAME INSTALLATION FIXED DOOR PANEL

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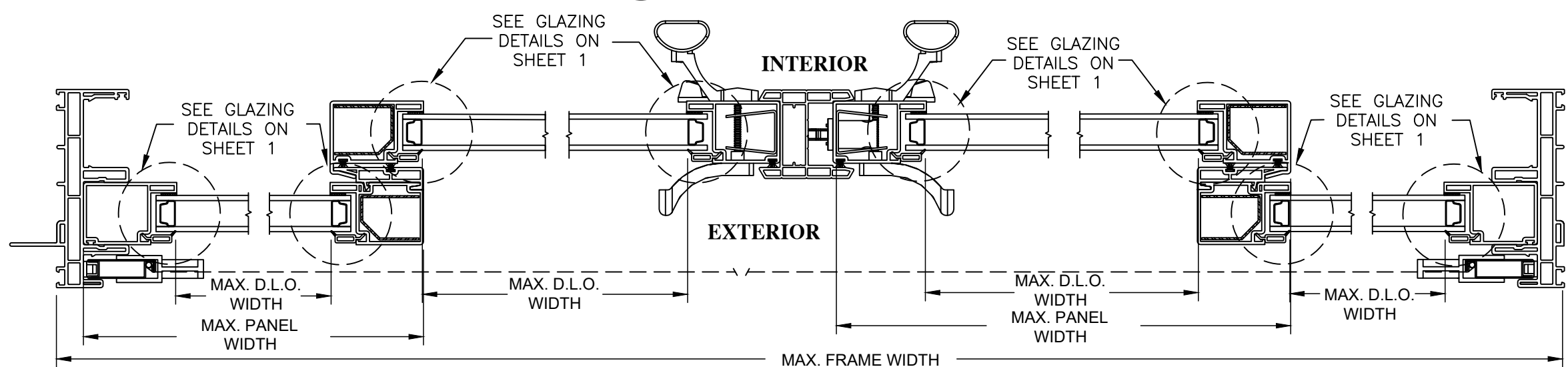
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A
7 **HORIZONTAL SECTION**
FIXED JAMB

B
7 **HORIZONTAL SECTION**
INTERLOCK

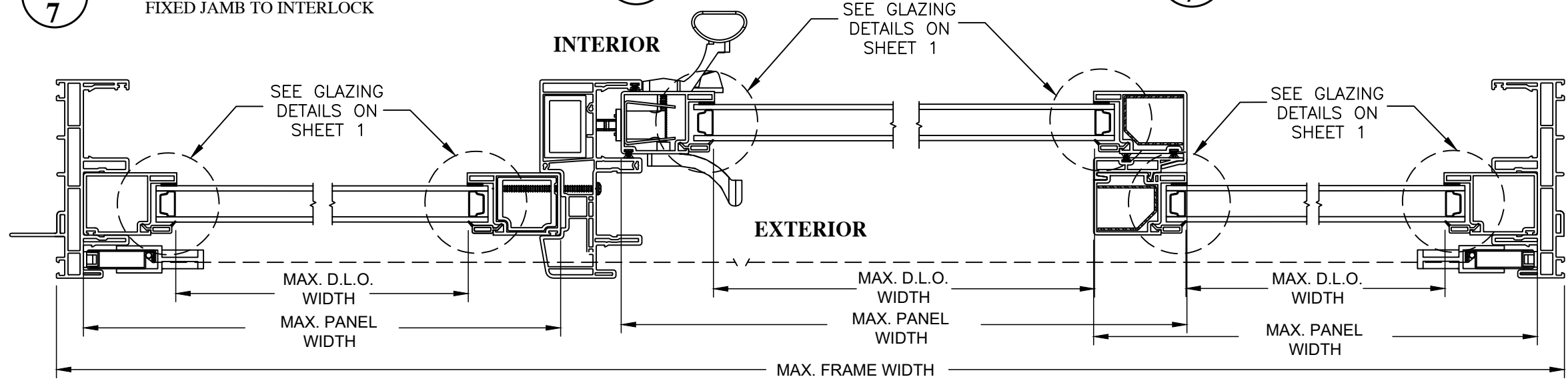
A
7 **HORIZONTAL SECTION**
OPERABLE JAMB



D
7 **HORIZONTAL SECTION**
FIXED JAMB TO INTERLOCK

E
7 **HORIZONTAL SECTION**
MEETING STILE

F
7 **HORIZONTAL SECTION**
INTERLOCK TO FIXED JAMB



G
7 **HORIZONTAL SECTION**
FIXED JAMB

H
7 **HORIZONTAL SECTION**
MEETING STILE

I
7 **HORIZONTAL SECTION**
INTERLOCK TO FIXED JAMB

PROJECT # ACE-2025-127				RJA	8/4/26	DATE	BY
				A	UPDATE TO THE 9TH EDITION (2026) FBC	DESCRIPTION	REV

RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218				SERIES 8400 VINYL SLIDING GLASS DOOR - OX, XO, OXO & OXOX			
HORIZONTAL SECTIONS							
PREPARED BY:	AMORUSO CONSULTING ENG., LLC	DRAWN BY:	RJA	DATE:	4/13/2020	SCALE:	N.T.S.
FBPE REGISTRATION NO.	38327	DRAWING NO.	RWD0024	REV:	A	SHEET:	7 OF 8
226 N NOVA RD, NO. 142		ORMOND BEACH, FL 32174					
		RIAENGPE@GMAIL.COM					

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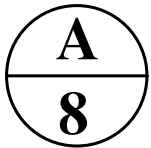
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EXTERIOR

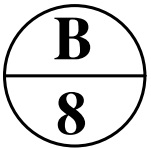
INTERIOR

EXTERIOR

INTERIOR



ANCHOR DETAIL
NAIL FIN INSTALLATION



ANCHOR DETAIL
THROUGH FRAME INSTALLATION

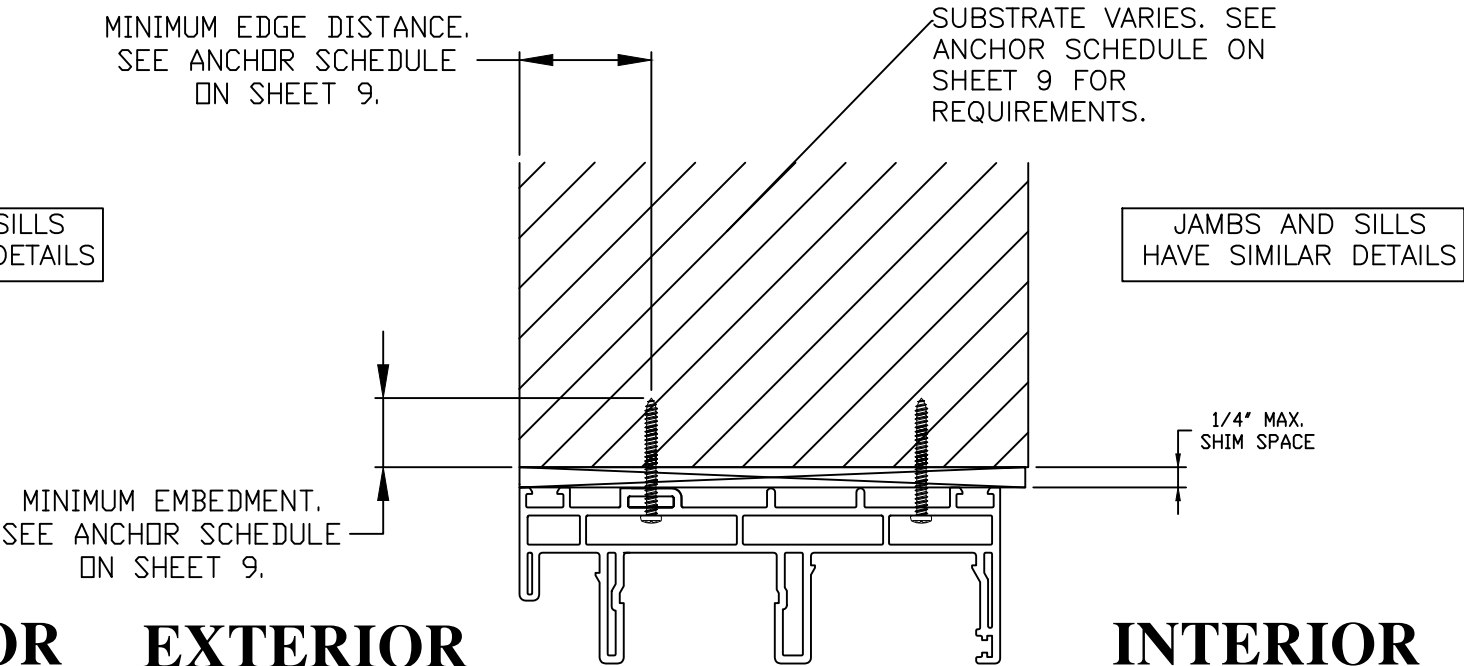
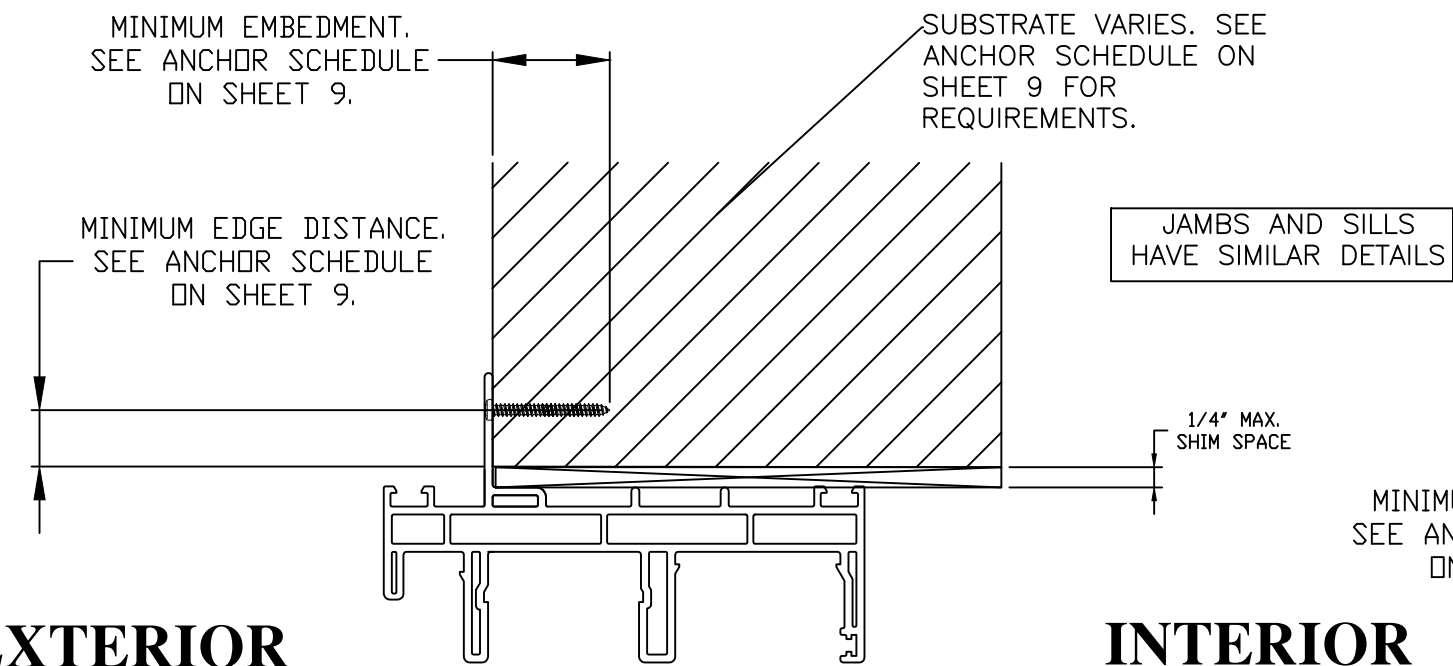
INSTALLATION ANCHOR SCHEDULE								
INSTALLATION TYPE	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT (IN)	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME ANCHORS	ANCHOR CAPACITIES BASED ON
THROUGH FRAME ANCHOR	HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1	1-1/8	3	MIN. 2000 PSI CONCRETE
			MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1	2	3	STRENGTH CONFORMANC E 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				
			METAL: 18 GA. STEEL, MIN. FY = 33 KSI	TEK SCREW	3 THREADS BEYOND METAL INTERIOR	1/2	2	STEEL STUD WITH MIN. FY = 33 KSI
NAILING FIN ANCHOR	PAN HEAD OR 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				
			METAL: 18 GA. STEEL, MIN. FY = 33 KSI	TEK SCREW	3 THREADS BEYOND METAL INTERIOR	1/2	2	STEEL STUD WITH MIN. FY = 33 KSI

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).



INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 2 THROUGH 5 FOR FIN FRAME INSTALLATION. TWO (2) INSTALLATION ANCHORS IS REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 2 THROUGH 5 FOR THROUGH-FRAME INSTALLATION.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH THE DEPICTED SPACING IN THE ANCHOR LAYOUT DETAILS. TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- ANCHOR QUANTITIES AND SPACING
 - 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 SHEET 2 THROUGH 5.
 - END DISTANCES AND O.C. SPACING LESS THAN THAT SHOWN IN THE ELEVATIONS ON SHEET 2 THROUGH 5 ARE ACCEPTABLE.
 - FOR DOOR SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.
 - ANCHOR QUANTITIES AND SPACING SHOWN ARE BASED ON THE LOWER OF ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- FOR MASONRY OR CONCRETE OPENINGS, 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- ALL FASTENERS TO BE CORROSION RESISTANT, AND/OR HAVE A CORROSION RESISTANT COATING, OR WHEN EXPOSED TO SALTWATER ENVIRONMENTS WITHIN 3,000 FEET OF A SALTWATER COASTLINE MEET THE REQUIREMENTS OF SECTION 1711, 9TH EDITION (2026) FBC AND SECTION R332, 9TH EDITION (2026) FRC WHEN APPLICABLE.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- 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 ANCHOR INSTALLATION SCHEDULE ON THIS SHEET.

PROJECT # ACE-2025-127				RJA	BY
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RENAISSANCE WINDOWS AND DOORS 13340 INTERNATIONAL PARKWAY JACKSONVILLE, FL 32218 SERIES 8400 VINYL SLIDING GLASS DOOR - OX, XO, OXO & OXOX INSTALLATION DETAILS	DRAWN BY:	RJA	DATE:	4/13/2020	
	SCALE:	N.T.S.	DRAWING NO.:	RWD0024	
	REV:	A	SHEET:	8 OF 8	
PREPARED BY:		AMORUSO CONSULTING ENG., LLC		FBPE REGISTRATION NO. 38327	
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