RENAISSANCE WINDOWS AND DOORS SERIES 9500 VINYL POCKET SLIDING GLASS DOOR - XX

THROUGH-FRAME INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

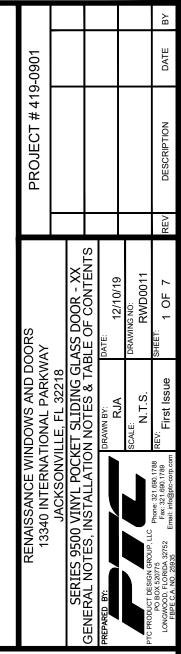
- 1. THIS PRODUCT HAS BEEN TESTED, EVALUATED AND DESIGNED TO THE DESIGN PRESSURE(S) STATED HEREIN IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.
- 1.1. PERFORMANCE STANDARDS USING IN TESTING:
- 1.1.1. AAMA/WDMA/CSA 101/I.S.2/A440-08
- 1.1.2. AAMA/WDMA/CSA 101/I.S.2/A440-11
- 2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. C9930.18-550-14 (XX) AND ASSOCIATED LABORATORY DRAWINGS BY INTERTEK/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. MATERIALS
- 8.1. DOOR FRAME MATERIAL: VINYL (PVC).
- 8.2. REINFORCEMENT EXTRUSIONS: 6063-T5 ALUMINUM.
- 9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04E01.
- 10. DESIGNATION "X" STANDS FOR OPERABLE PANEL.
- 11. INTERIOR AND EXTERIOR FINISHING AND SEALING ARE FOR ILLUSTRATIVE PURPOSES ONLY. THESE DRAWINGS CERTIFY THE DOOR INSTALLATION ONLY IN SUPPORTING STRUCTURAL SUBSTRATE. 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.

MAXIMUM DOOR SIZE GLAZING DETAIL (SEE SHEET 9) DESIGN PRESSURE (PSF) IMPACT RATING 96" x 96" XX OPERABLE PANEL (144" X 96" XX AND POCKET) A +/- 50 NONE. SEE GENERAL NOTE 6.

INSTALLATION NOTES:

- 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 <u>INSTALLATION ANCHOR SCHEDULE</u> 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 4 THROUGH 6 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
- 4. TWO (2) INSTALLATION ANCHORS ARE REQUIRED AT EACH ANCHOR LOCATION SHOWN ON SHEET 3 EXCEPT AS FOLLOWS.
- 4.1. 2X WOOD BUCK FOR HOOK STRIP INSTALLATION SHALL BE ATTACHED USING 1/4' TAPCON OR LAG SCREWS AS SHOWN IN SECTION I ON SHEET 5.
- 4.2. 2X WOOD BUCK FOR HOOK STRIP INSTALLATION IS OPTION IF STRUCTURAL WOOD SUBSTRATE IS PRESENT.
- 4.3. HOOK STRIP TO 2X WOOD BUCK/STRUCTURAL WOOD SUBSTRATE INSTALLATION SHALL BE MADE USING NO. 10 WOOD SCREWS AS SHOWN IN SECTION I ON SHEET 5.
- 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 SHEET 3.
- 5.2. END DISTANCES AND O.C. SPACINGS LESS THAN THAT SHOWN IN THE ELEVATION ON SHEET 3 SRE ACCEPTABLE.
- 5.3. FOR DOOR SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.
 - I. 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.
- 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					
SHEET	SHEET DESCRIPTION				
1	GENERAL NOTES, INSTALLATION NOTES, TABLE OF CONTENTS				
2	ANCHOR SCHEDULE - EMBEDMENT AND EDGE DISTANCE				
3	144" x 96" XX POCKET SGD ELEVATION & ANCHORING LAYOUT				
4	XX VERTICAL CROSS SECTIONS				
5	XX HORIZONTAL CROSS SECTIONS				
6	VERTICAL & HORIZONTAL CROSS SECTIONS AT POCKET OPENING				
7	GLAZING DETAIL AND GLAZING NOTES /BILL OR MATERIALS				



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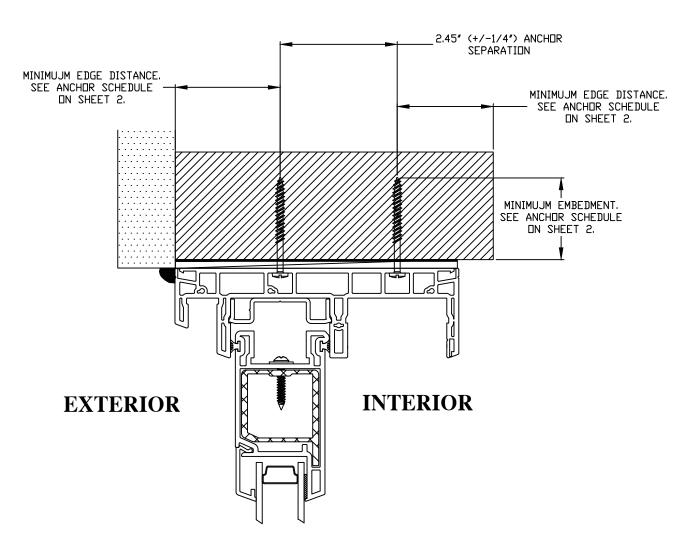
				11	NSTALLATION ANCHOR SCHED	JLE			
INSTALLATION TYPE	SECTION VIEW	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	MIN. EMBEDMENT	MIN. EDGE DISTANCE (IN)	MIN. SPACING (IN) BETWEEN FRAME	ANCHOR CAPACITIES BASED ON
THROUGH	I ∆ THRII H & I I	HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (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
FRAME ANCHOR		PAN HEAD (SHOWN)	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.
2x BUCK ANCHOR	SECTION I (SHEET 5)	I HFX HFΔD I	1/4"	CONCRETE	ITW TAPCONS (1) (4)	1-1/2	1-1/2	4	MIN. 2000 PSI CONCRETE
				MASONRY (BLOCK/CMU)	ITW TAPCONS (1) (4)	1	2	4	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT
	SECTION I (SHEET 5)	HEX HEAD	1/4"	WOOD	ANSI/ASME B18.2.1 (LAG SCREW) (4) GRADE 2 EQUIVALENT	1-1/2	1	1	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.42.

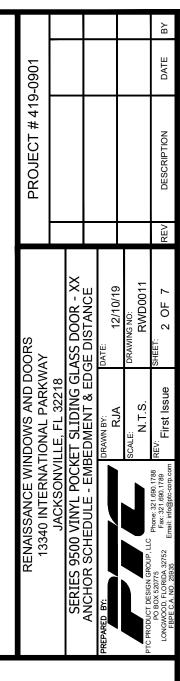
NOTES:

- 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 0.112" PILOT HOLE (DRILL SIZE 34). FOR TAPPING SCREW INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN,
- 3) TWO (2) ANCHORS PER LOCATION ALLOWED TO HAVE 2.45" SEPARATION. 3" SPACING IS BETWEEN ANCHOR LOCATIONS SHOWN IN ELEVATION.
- 4) 1/4" ANCHOR HEADS SHALL BE EMBEDED IN 2X BUCK SO TOP OF HEAD IS FLUSH WITH 2X BUCK TO ALLOW FOR FINISHING. FOR WOOD INSTALLATION; IF SPLITTING IS A CONCERN, DRILL 0.112" PILOT HOLE (DRILL SIZE 37).

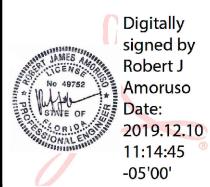
FRAME ANCHORAGE MINIMUM EMBEDMENT AND EDGE DISTANCE

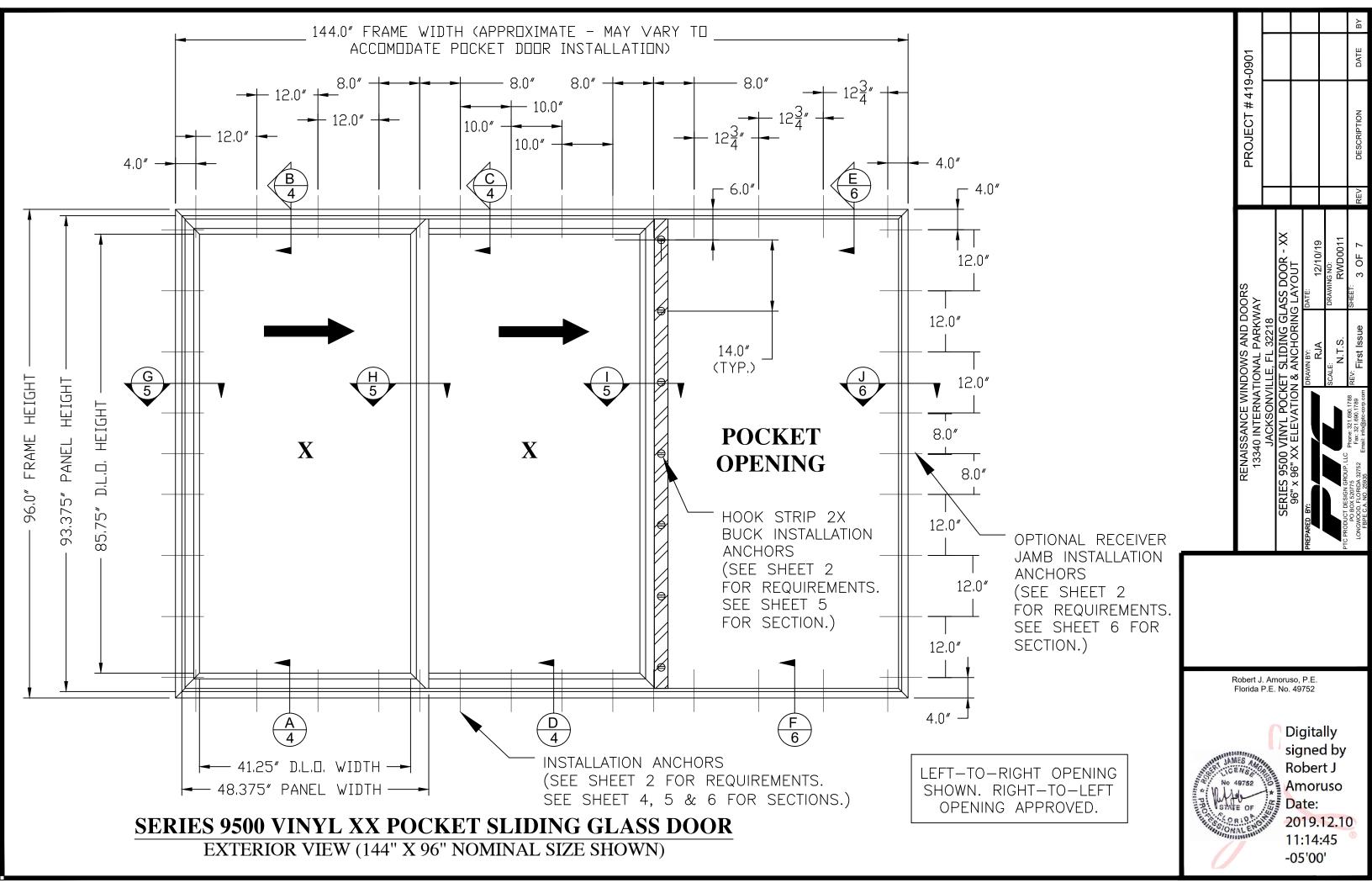
THROUGH-FRAME INSTALLATION
OPERABLE AND FIXED DOOR PANELS
(OPERABEL HEAD PANEL SHOWN)





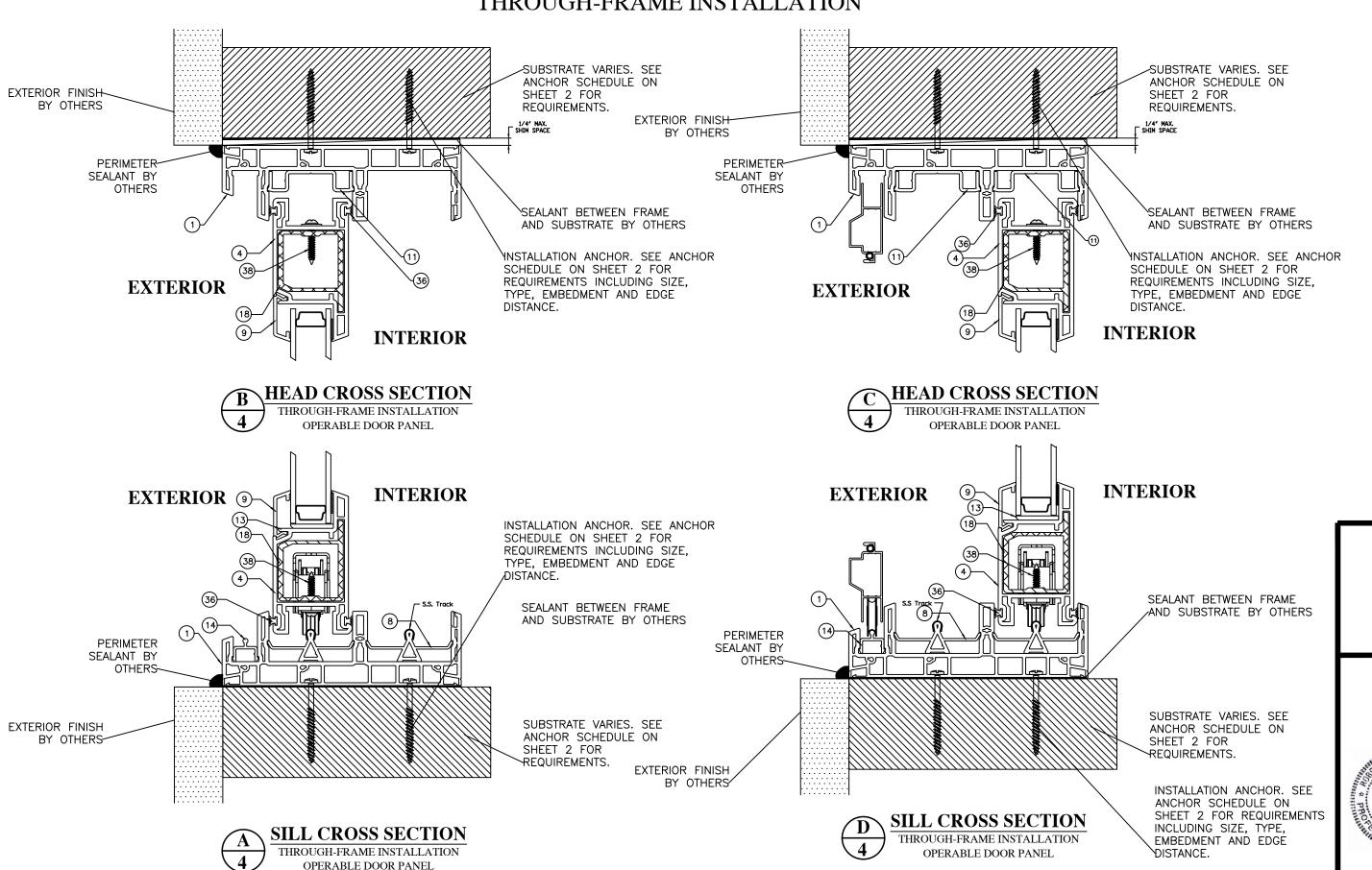
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XX POCKET DOOR VERTICAL CROSS SECTIONS

THROUGH-FRAME INSTALLATION



419-0901 **PROJECT**

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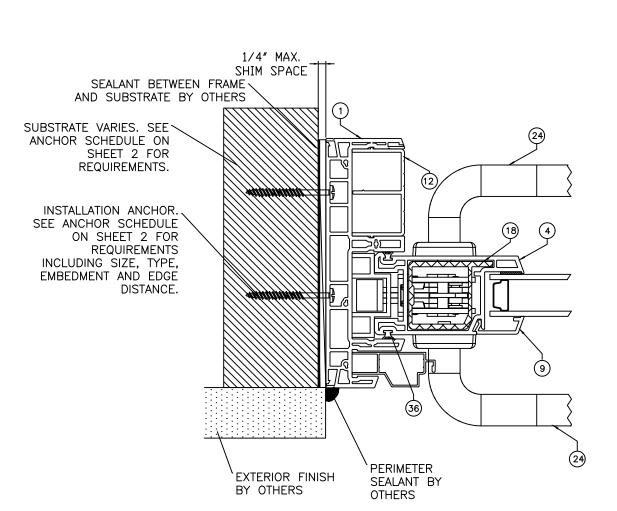


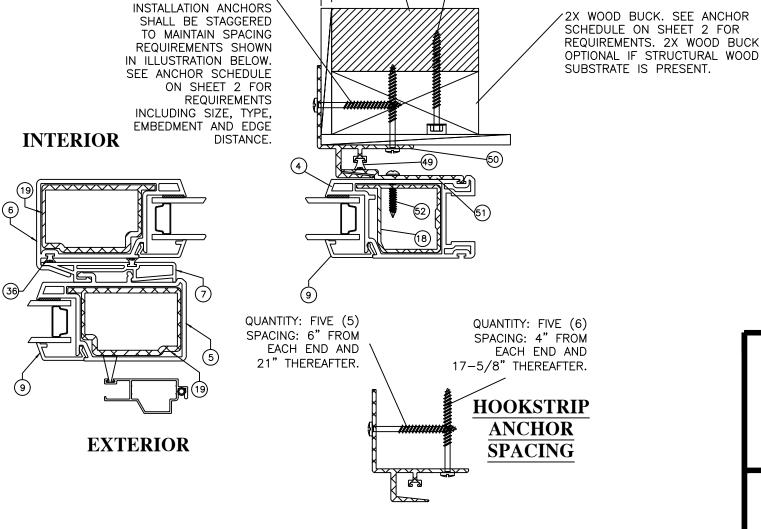
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2019.12.10 11:14:45 -05'00'

XX POCKET DOOR HORIZONTAL CROSS SECTIONS

THROUGH-FRAME INSTALLATION





SUBSTRATE VARIES. SEE ANCHOR SCHEDULE ON

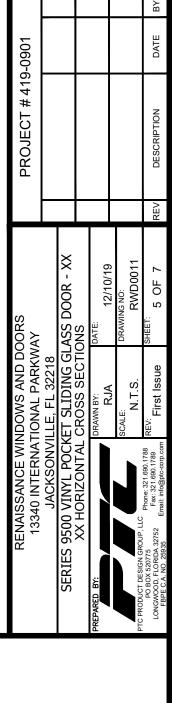
1/4" MAX.

SHIM SPACE

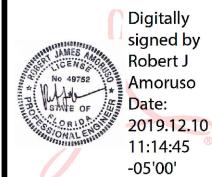
HOOK STRIP

SHEET 2 FOR

REQUIREMENTS.



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JAMB CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL



INTERLOCK
CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANELS



HOOKSTRIP CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL

HOOKSTRIP 2X BUCK

SPACING.)

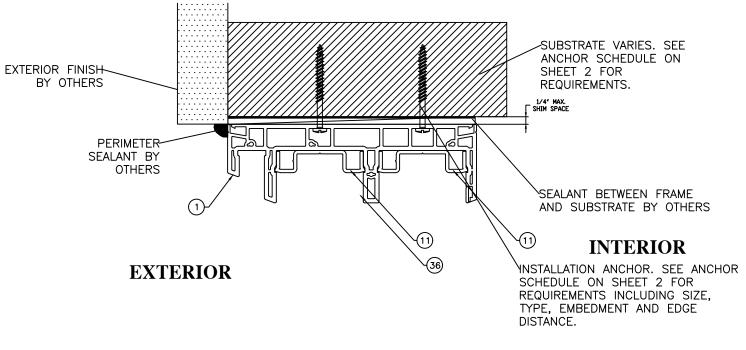
INSTALLATION ANCHORS (SEE

SHEET 2 FOR REQUIREMENTS.

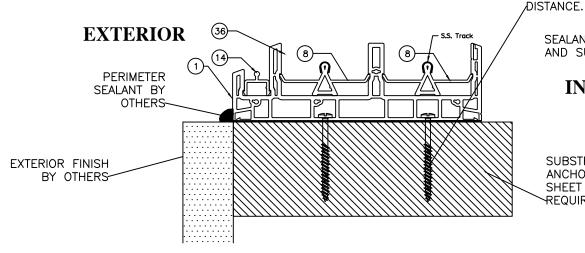
SEE SHEET 3 - ELEVATION FOR

XX POCKET DOOR VERTICAL CROSS SECTIONS AT POCKET OPENING

THROUGH-FRAME INSTALLATION







E SILL CROSS SECTION
THROUGH-FRAME INSTALLATION
OPERABLE DOOR PANEL

INSTALLATION ANCHOR. SEE ANCHOR SCHEDULE ON SHEET 2 FOR REQUIREMENTS INCLUDING SIZE,

SEALANT BETWEEN FRAME AND SUBSTRATE BY OTHERS

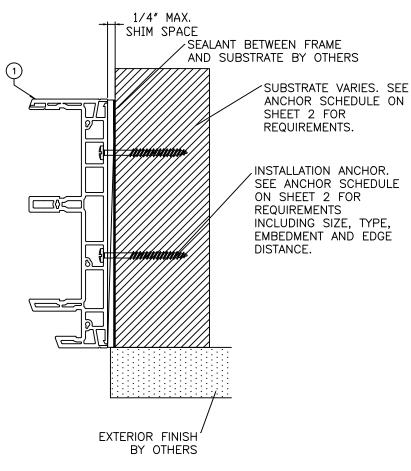
INTERIOR

TYPE, EMBEDMENT AND EDGE

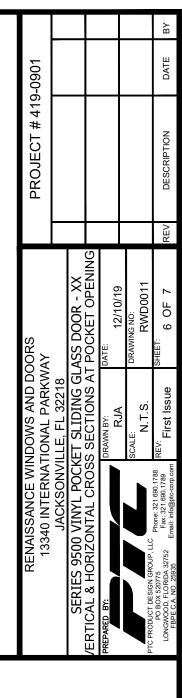
SUBSTRATE VARIES. SEE ANCHOR SCHEDULE ON SHEET 2 FOR REQUIREMENTS.

EXAMPOCKET DOOR HORIZONTAL CROSS SECTIONS AT POCKET OPENING

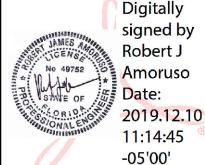
THROUGH-FRAME INSTALLATION



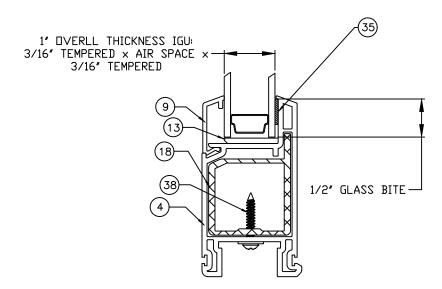




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		BILL OF MATER	IALS	
BOM NO.	PART NO.	PART DESCRIPTION	COMPANY	REMARKS
		VINYLCOMPONEN	TS	
1	8591	FRAME	MIKRON IND. INC.	
4	7701	PANEL STILE/RAIL	MIKRON IND. INC.	
5	7702	FIXED INTERLOCK PANEL INTERLOCK	MIKRON IND. INC.	
6	7703	PANEL INTERLOCK	MIKRON IND. INC.	
7	7704	INTERLOCK	MIKRON IND. INC.	
8	7705	PANEL TRACK	MIKRON IND. INC.	
9	7706	GLAZING BEAD	MIKRON IND. INC.	
11	7708	ANTI-LIFT	MIKRON IND. INC.	
12	7709	THRESHOLD	MIKRON IND. INC.	
13	6152	SETTING BLOCK	MIKRON IND. INC.	
14	7556	SCREEN TRACK	MIKRON IND. INC.	
		REINFORCEMENT	Γ	
18	7701.1.1	REINFORCEMENT - ALUMINUM	ONTARIO EXTRUSIONS	6063-T5
19	7703.1	REINFORCEMENT - ALUMINUM	ONTARIO EXTRUSIONS	6063-T5
		COMMERCIAL DOOR HAN	NDLE SET	
24	6635-1038-01	COMMERCIAL DOOR HANDLE SET COMPRISED OF THE FOLLOWING	AMESBURY	WHITE
25	1988-PRN166MRSS	ROLLER	AMESBURY	
26	6541-1061	SINGLE POINT LOCK	AMESBURY	COMMERCIAL
27	6991-10XX	FACE PLATE	AMESBURY	
28	6635-10XX	INSIDE HANDLE	AMESBURY	C SHAPE SOLID TUBE
29	6636-10XX	OUTSIDE HANDLE	AMESBURY	C SHAPE SOLID TUBE
30	6000-074-01KD1	CYLINDER - MORTISE	AMESBURY	.800 CAM
31	6000-082-01	THUMBTURN - MORTISE	AMESBURY	.800 CAM
32	6990-10XX	STRIKE - COMMERCIAL	AMESBURY	COLLAPSIBLE
33		SCREW PACKAGE	AMESBURY	
		GLAZING		
34		1" OVERLL THICKNESS IGU: 3/	16" TEMPERED x AIR SPACE	x 3/16" TEMPERED
35		WET GLAZING COMPOUND		SILICONE
		MISC.		
36		QUIET FIN WEATHERSTRIP	AMESBURY	.270 High x .187 Back
38	#8 X 1"	WASHER HEAD TEK SCREW - PHILLIPS		
41	#10 X 1-1/2"	FLAT HEAD SCREW		
		OPTIONAL LOCK & HANDLE SET	- NOT SHOWN	
42	191014	SBML 2 POINT MORTICE LOCK	INTERLOCK	
43	PS01-0031	MOUNTING PLATE ASSEMBLY	INTERLOCK	
44	PS01-3035	EXTENDED PINION GEAR	INTERLOCK	
45	PS01-0030	INTUITION HANDLE ASSEMBLY	INTERLOCK	
46	PS01-3040	EXTERIOR PULL	INTERLOCK	
47	PS01-5030	M4 X 26 CSK FLAT TT	INTERLOCK	NEED 2
48	PS01-5014	SCREW M4X50 CSK POZI TT	CREW M4X50 CSK POZI TT INTERLOCK NEED	
49	PS01-0060	21 MM ADJUSTABLE STRIKE	INTERLOCK	

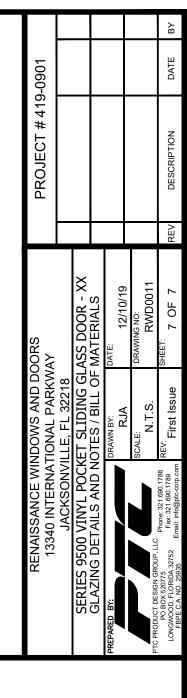


GLAZING DETAIL A

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. FIXED PANEL RAIL SHOWN. ALL OTHER GLAZING DETAILS SAME FOR FIXED AND OPERABLE PANEL RAIL AND STILE GLAZING.

BILL OF MATERIALS							
BOM NO.	PART NO.	PART DESCRIPTION	COMPANY	REMARKS			
HOOK STRIP COMPONENTS							
49	W43361NW0000	QUIET FIN WEATHERSTRIP	AMESBURY	.360 High x .187 Back			
50	8591.1	HOOK STRIP	MIKRON IND. INC.	ALUMINUM			
51	8591.1.1	HOOK STRIP INTERLOCK	MIKRON IND. INC.	ALUMINUM			
52	#8 X 1"	HOOK STRIP INTERLOCK/STILE SCREW WASHER HEAD TEK SCREW - PHILLIPS		SCREWS ARE SPACED 4" FROM END AND 12" ON			
		THE THE TEXT OF THE PROPERTY O		CENTER			



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