

GENERAL NOTES:

1. ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. THESE NON-IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
4. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
5. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
6. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS CERTIFIED & QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. PRODUCT ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
7. CERTIFICATION OF THESE PRODUCT INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) PRODUCT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. 2) PRODUCT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT. 3) IF CHANGES HAVE OCCURRED TO THE PRODUCT'S CERTIFICATION ENTITY'S CERTIFICATE THAT CAUSE THESE INSTALLATIONS TO BE INCORRECT OR INCONSISTENT WITH WHAT HAS BEEN TESTED.
8. THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
9. THESE DRAWINGS CERTIFY THE PRODUCT INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED PRODUCT IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER &/OR INSTALLER.

INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THE EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THE REFERENCED PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE INSTALLATION EVALUATION ENGINEER OF RECORD THAT THE INSTALLATIONS SPECIFIED HERE-IN ARE CURRENT WITH THE THEN CURRENT TESTING, CODE AND APPLICABLE STANDARDS.

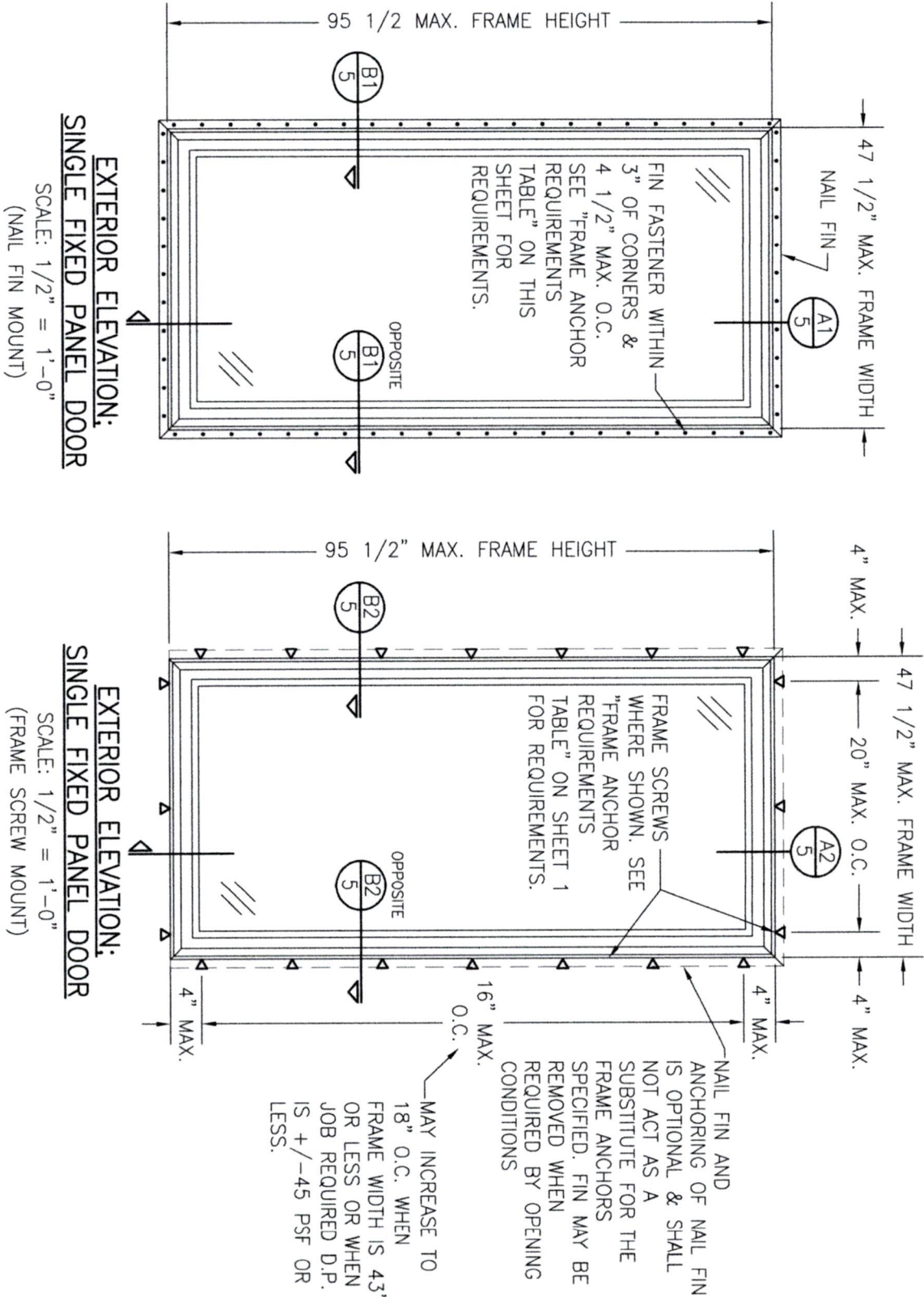
ALTERNATE ANCHOR/SUBSTRATE EVALUATION NOTE:

ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
(2) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 1/2"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 5/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

- (1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).
- (2) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.



EXTERIOR ELEVATION:  
SINGLE FIXED PANEL DOOR

SCALE: 1/2" = 1'-0"  
(NAIL FIN MOUNT)

EXTERIOR ELEVATION:  
SINGLE FIXED PANEL DOOR

SCALE: 1/2" = 1'-0"  
(FRAME SCREW MOUNT)

ALLOWABLE DESIGN PRESSURE  
(SINGLE FIXED PANEL DOORS ONLY)

+50/-50 PSF

PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE DOORS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL DOOR'S STATE APPROVAL OR THAT SHOWN IN THIS TABLE.

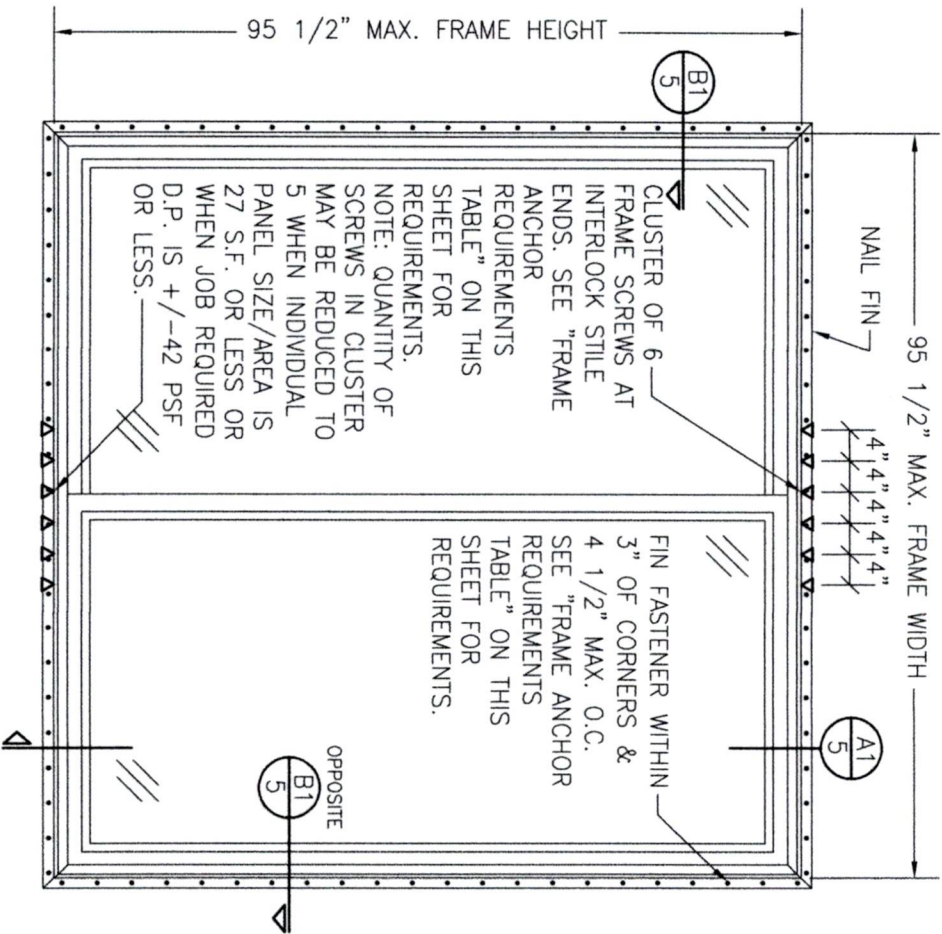
INSTALLATION NOTE:

WHEN NECESSARY, INSTALLATION METHODS MAY BE MIXED WITH ANY ONE DOOR SUCH THAT INDIVIDUAL SIDES OF THE DOOR MAY USE ONE OR THE OTHER ANCHOR METHOD (EXAMPLE: SILL MAY USE FRAME SCREWS METHOD WHILE OTHER SIDES USE FIN)

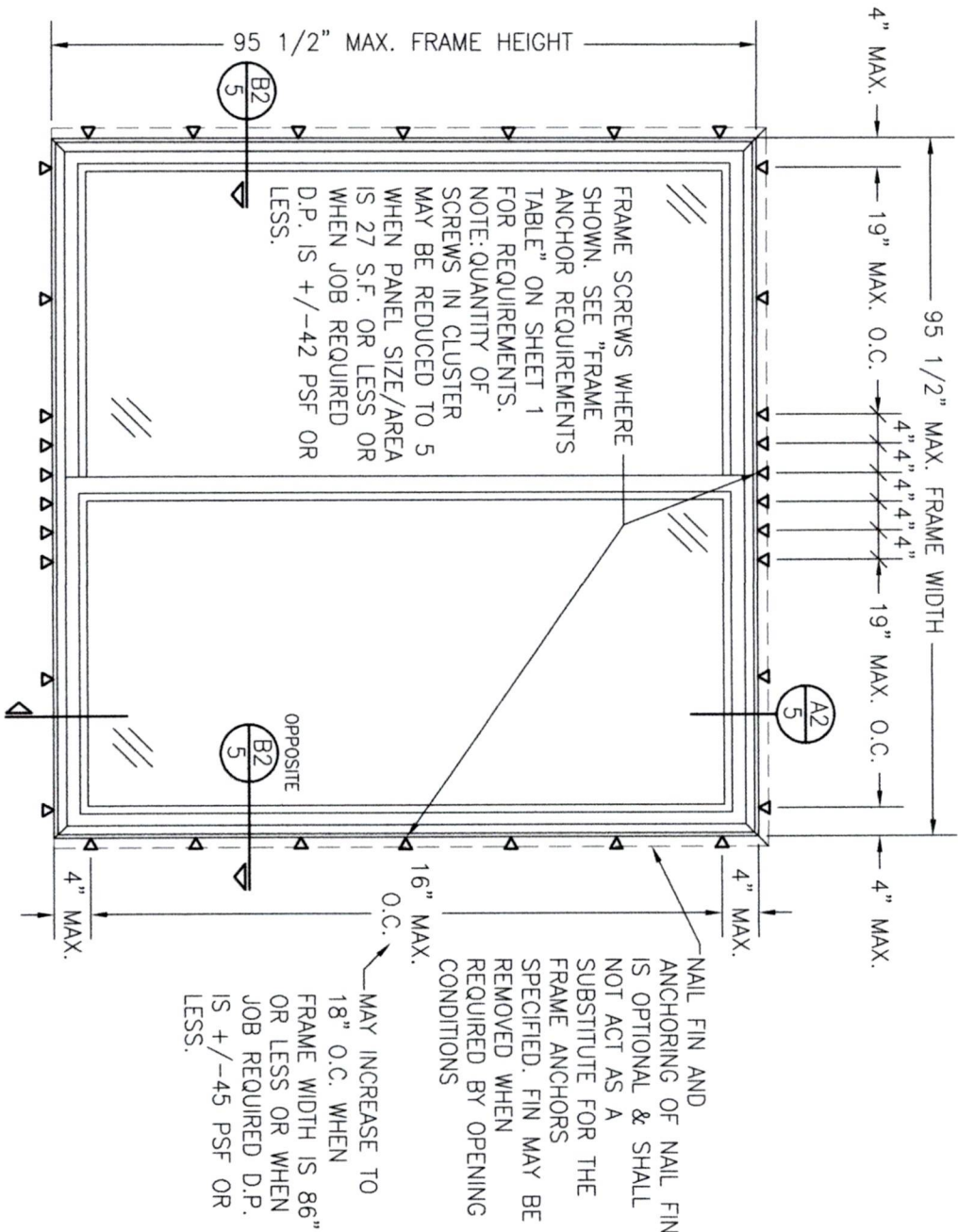
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR NATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWING NO. 2022		SHEET NO. 1 OF 5	
DRAWING TITLE COMFORT SHIELD VINYL NON-IMPACT SLIDING PATIO DOORS		CHECKED BY: W.M.S. DATE: 04/10/23	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 26376 NADIR ROAD; UNIT 309 PUNTA GORDA, FL 33983 PHONE: 561-744-3424		MANUFACTURER CUSTOM WINDOW SYSTEMS, INC. 1900 SW 44TH AVENUE OCALA, FL 34474 352-368-6922	
CERTIFICATION WARREN W. SCHAEFER, P.E. P.E. NO. 44135		NO. REVISION DESCRIPTION BY DATE	





EXTERIOR ELEVATION:  
2-PANEL SLIDING PATIO DOOR  
SCALE: 1/2" = 1'-0"  
(NAIL FIN MOUNT)



EXTERIOR ELEVATION:  
2-PANEL SLIDING PATIO DOOR  
SCALE: 1/2" = 1'-0"  
(FRAME SCREW MOUNT)

ALLOWABLE DESIGN PRESSURE (2-PANEL DOORS ONLY)
+50/-50 PSF
PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE DOORS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL DOOR'S STATE APPROVAL OR THAT SHOWN IN THIS TABLE.

NO.	REVISION	DESCRIPTION	BY	DATE	PLOT: 1=16	DRAWN BY: W.M.S.	CHECKED BY: W.M.S.	
						DATE: 04/10/23		



CUSTOM WINDOW SYSTEMS, INC.

1900 SW 44TH AVENUE

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DRAWING NO.

2022

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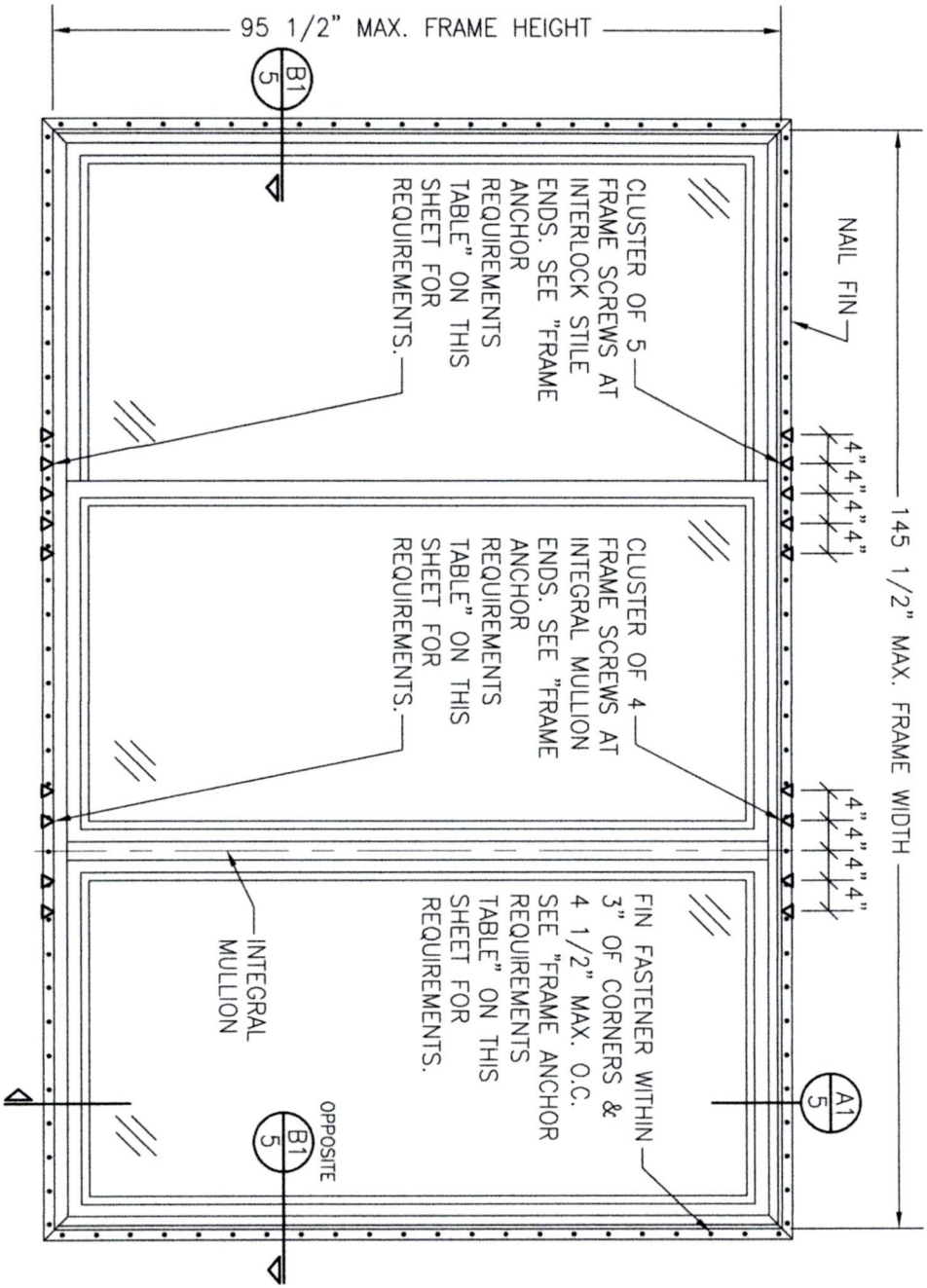
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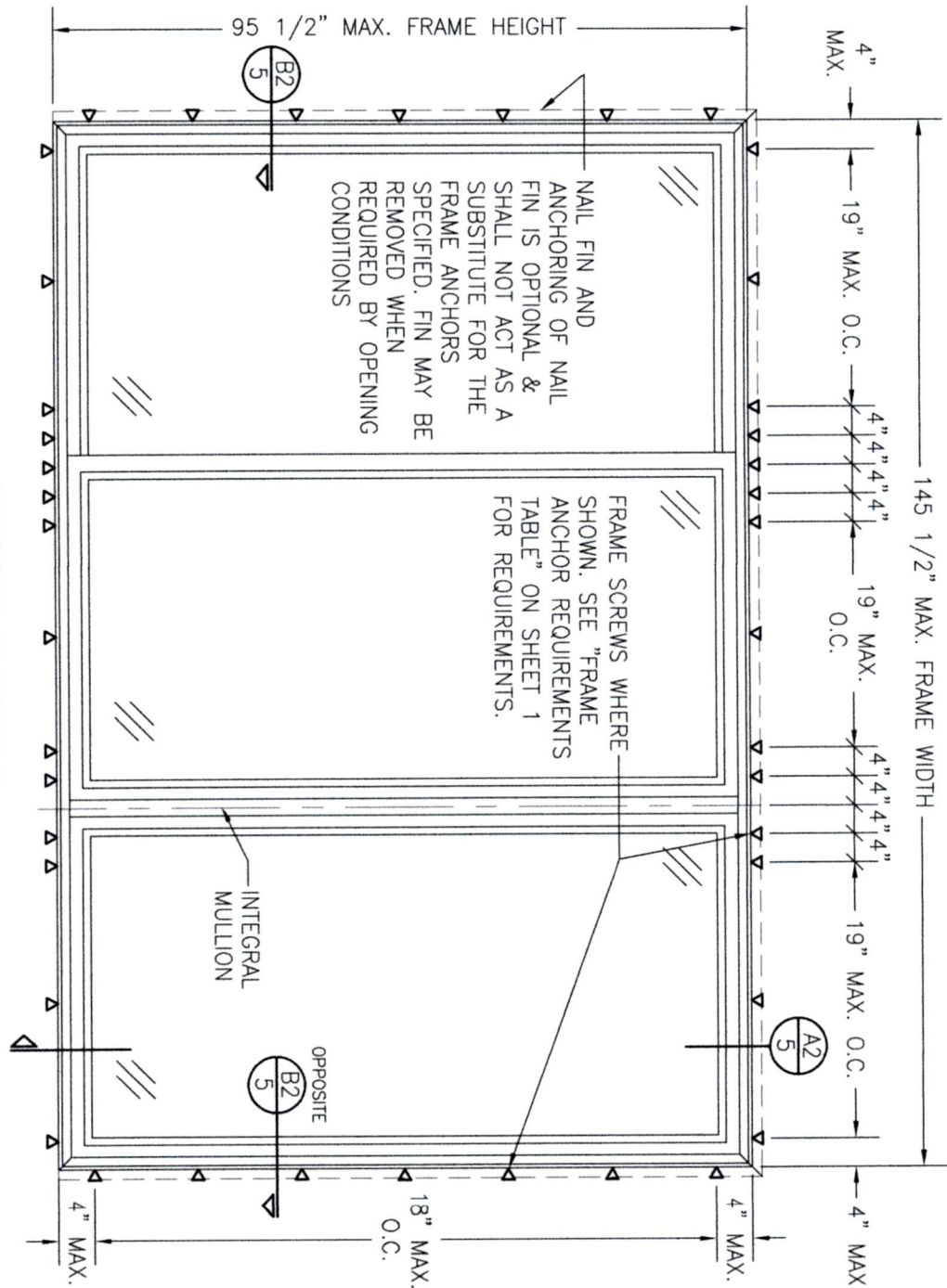
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EXTERIOR ELEVATION:  
3-PANEL SLIDING PATIO DOOR

SCALE: 1/2" = 1'-0"  
(NAIL FIN MOUNT)



EXTERIOR ELEVATION:  
3-PANEL SLIDING PATIO DOOR

SCALE: 1/2" = 1'-0"  
(FRAME SCREW MOUNT)

ALLOWABLE DESIGN PRESSURE (3-PANEL DOORS ONLY)			
MAX. FRAME WIDTH (IN.)	MAX. FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE (+/- PSF)	
145 1/2	95 1/2	35	
109 1/2	81 1/2	(1) 50	

(1) POSITIVE DESIGN PRESSURE IS LIMITED TO +35 PSF WHEN DOOR IS REQUIRED TO BE WATER RATED.

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PLOT: 1=16		DATE: 04/10/23		
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 **CUSTOM WINDOW SYSTEMS, INC.**  
1900 SW 44TH AVENUE  
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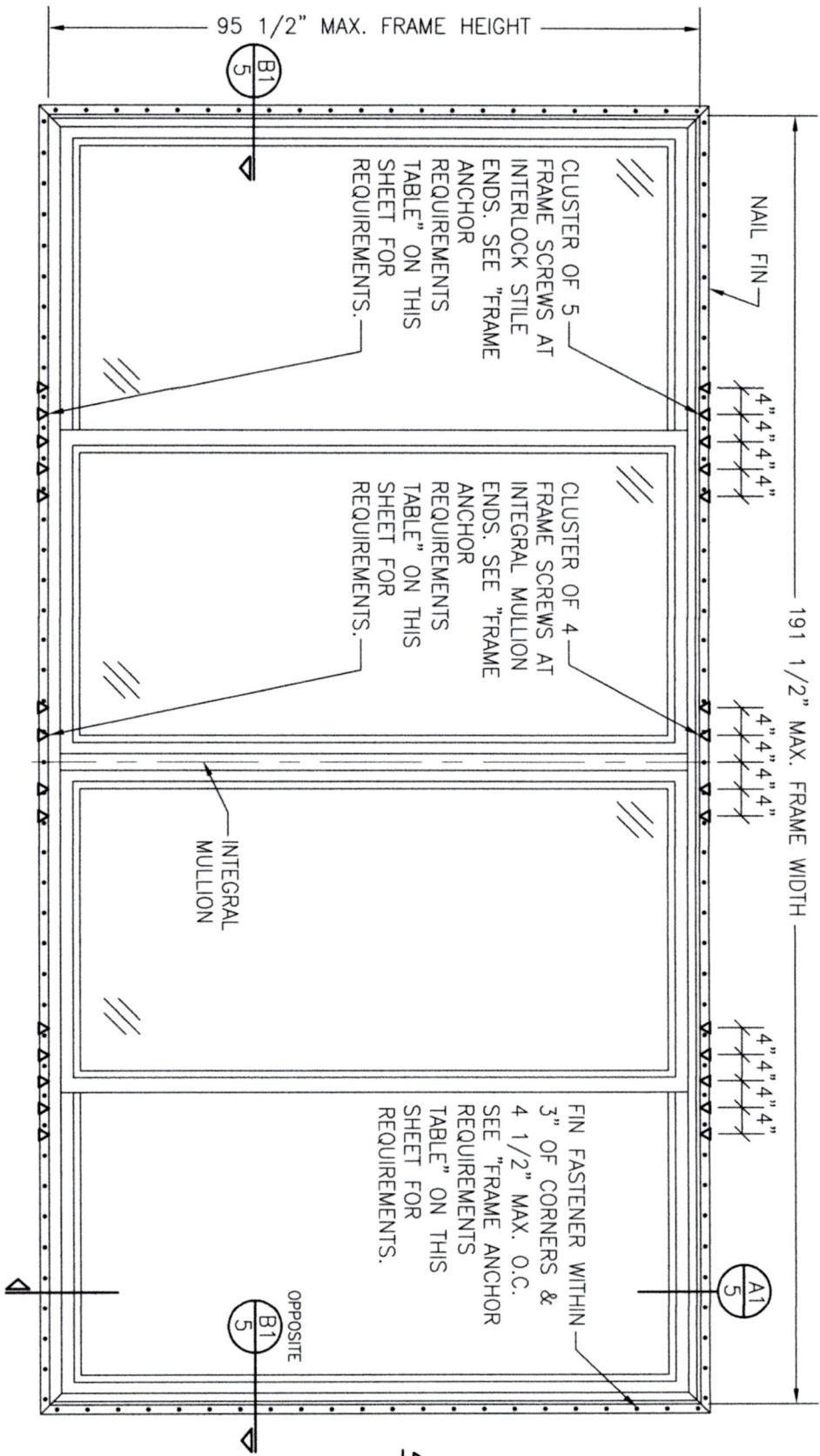
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DRAWING NO.: 2022  
SHEET NO. 3 OF 5



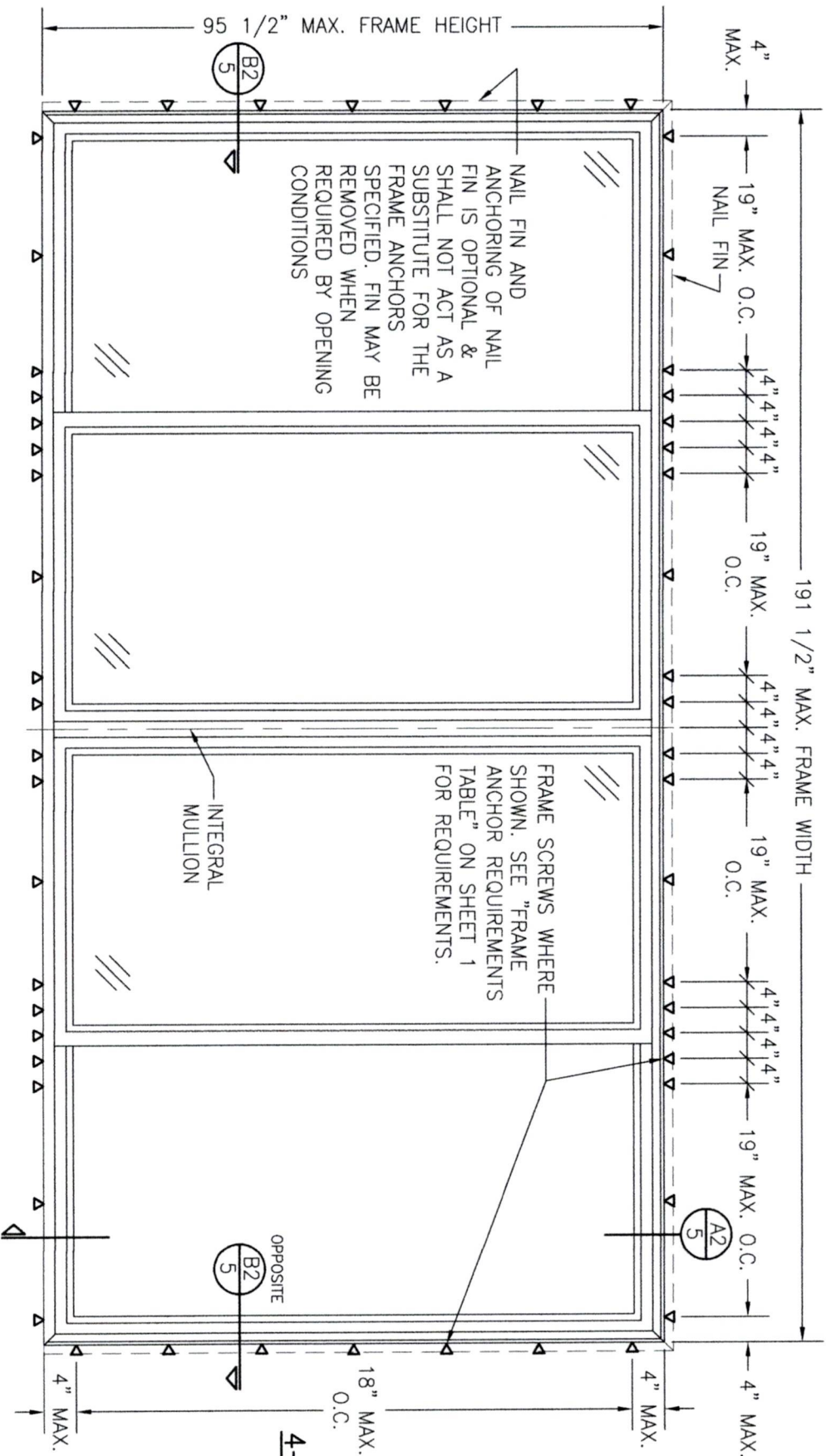


EXTERIOR ELEVATION:  
4-PANEL SLIDING PATIO DOOR  
SCALE: 1/2" = 1'-0"  
(NAIL FIN MOUNT)

ALLOWABLE DESIGN PRESSURE (4-PANEL DOORS ONLY)		
MAX. FRAME WIDTH (IN.)	MAX. FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE (+/- PSF)
191 1/2	95 1/2	35
109 1/2	81 1/2	(1) 50

PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE DOORS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL DOOR'S FLORIDA APPROVAL OR THAT SHOWN IN THIS TABLE.

(1) POSITIVE DESIGN PRESSURE IS LIMITED TO +35 PSF WHEN DOOR IS REQUIRED TO BE WATER RATED.



EXTERIOR ELEVATION:  
4-PANEL SLIDING PATIO DOOR  
SCALE: 1/2" = 1'-0"  
(FRAME SCREW MOUNT)

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PLOT: 1=16	DATE: 04/10/23

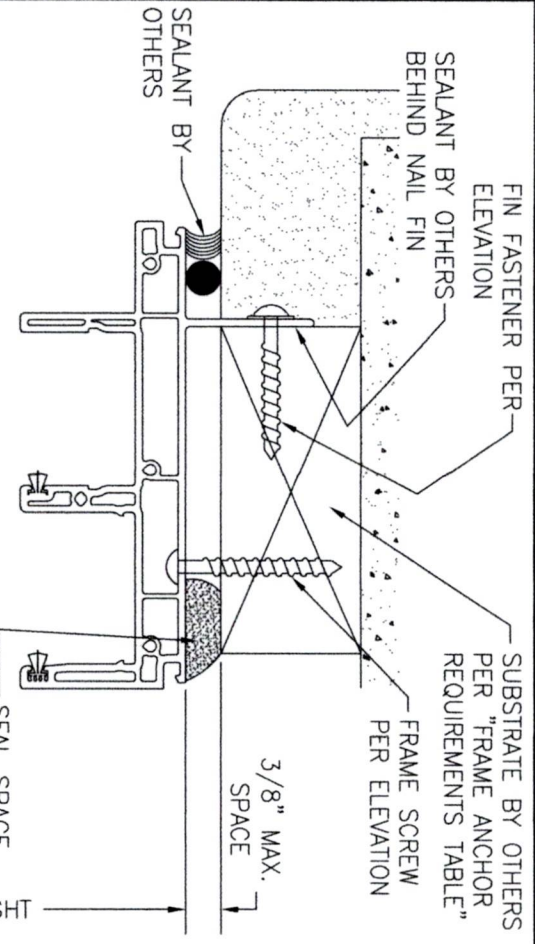
MANUFACTURER  
 CUSTOM WINDOW SYSTEMS, INC.  
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OCALA, FL 34474  
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DRAWING TITLE  
COMFORT SHIELD VINYL NON-IMPACT SLIDING PATIO DOORS

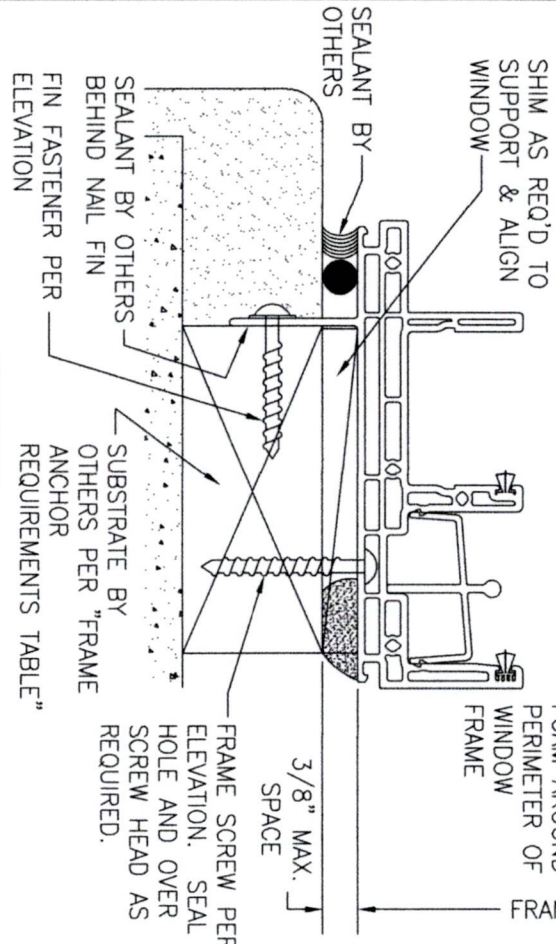
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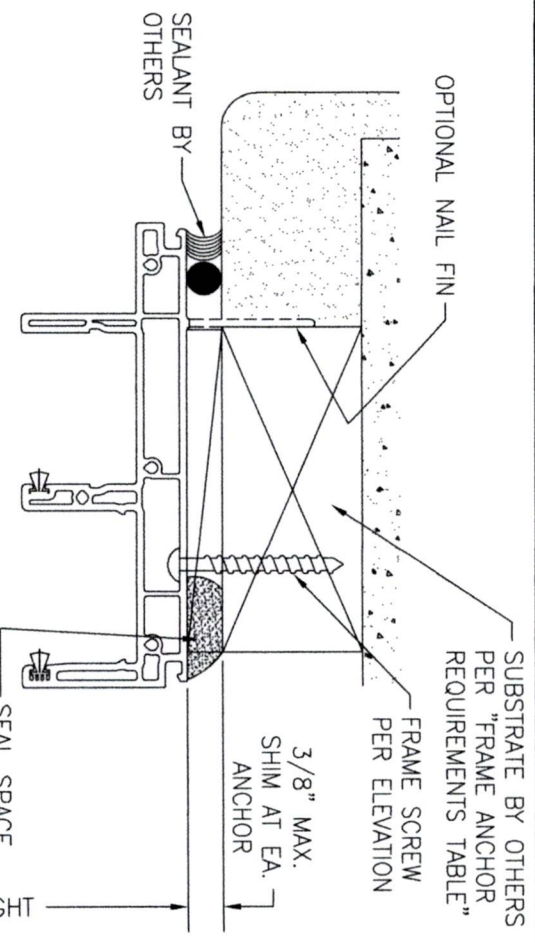




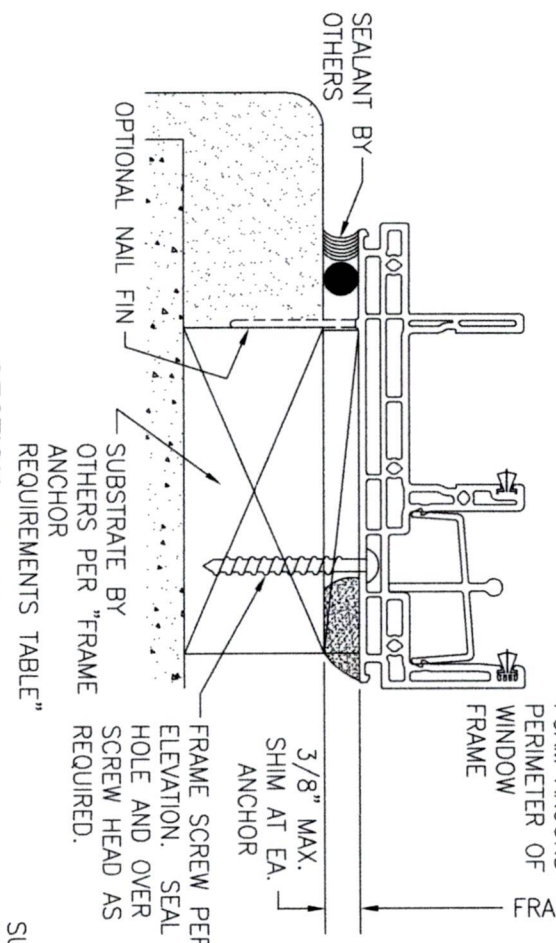
EXTERIOR



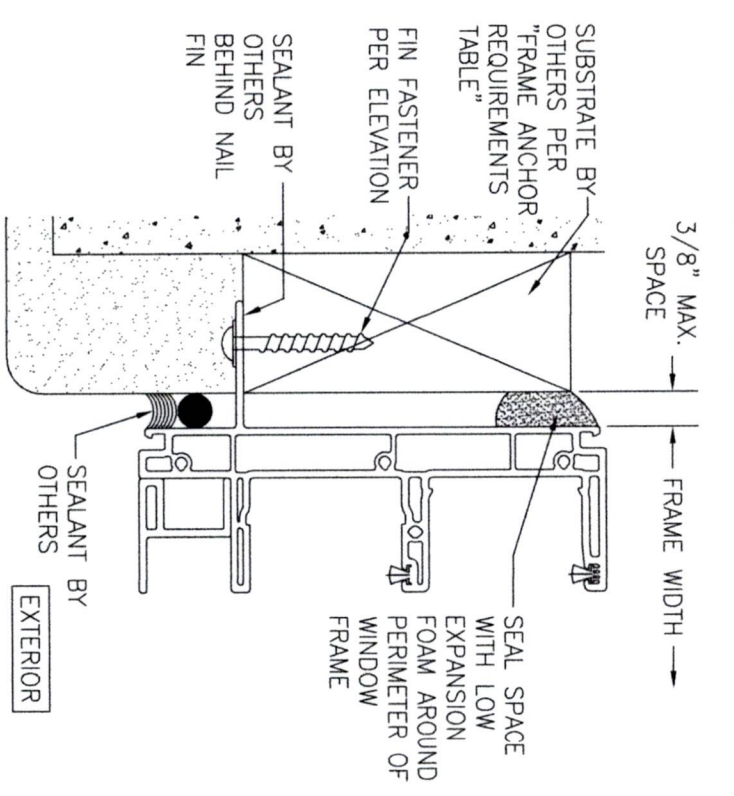
SECTION A1  
SCALE: 3/4 FULL  
(NAIL FIN MOUNT)



EXTERIOR

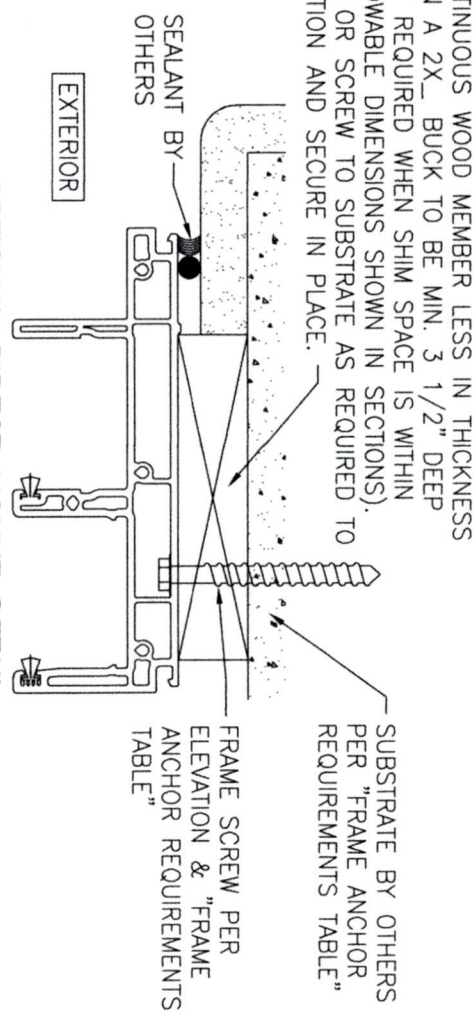


SECTION A2  
SCALE: 3/4 FULL  
(FRAME SCREW MOUNT)



EXTERIOR

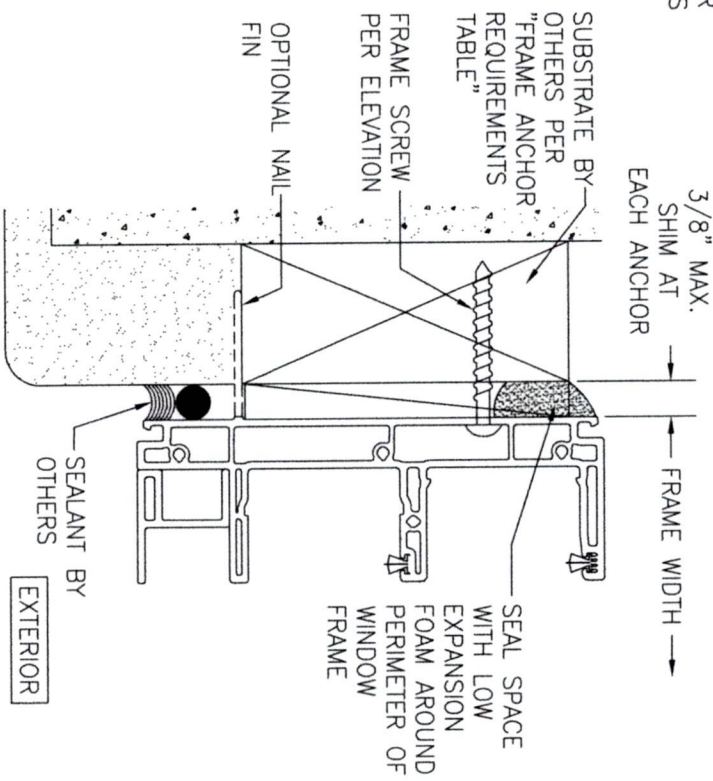
SECTION B1  
SCALE: 3/4 FULL  
(NAIL FIN MOUNT)



EXTERIOR

OPTIONAL DIRECT MOUNT DETAIL  
TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION B2  
SCALE: 3/4 FULL  
(FRAME SCREW MOUNT)

NO.	REVISION	DESCRIPTION	BY	DATE

**COMFORT SHIELD VINYL NON-IMPACT SLIDING PATIO DOORS**

CONSULTANTS  
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P.E. NO. 44135

**DRAWING TITLE**

COMFORT SHIELD VINYL NON-IMPACT SLIDING PATIO DOORS

**CONSULTANTS**

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.

**MANUFACTURER**

CUSTOM WINDOW SYSTEMS, INC.

DRAWING NO. 2022

SHEET NO. 5 OF 5

DATE: 04/10/23

W.M.S.