

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/OA 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.

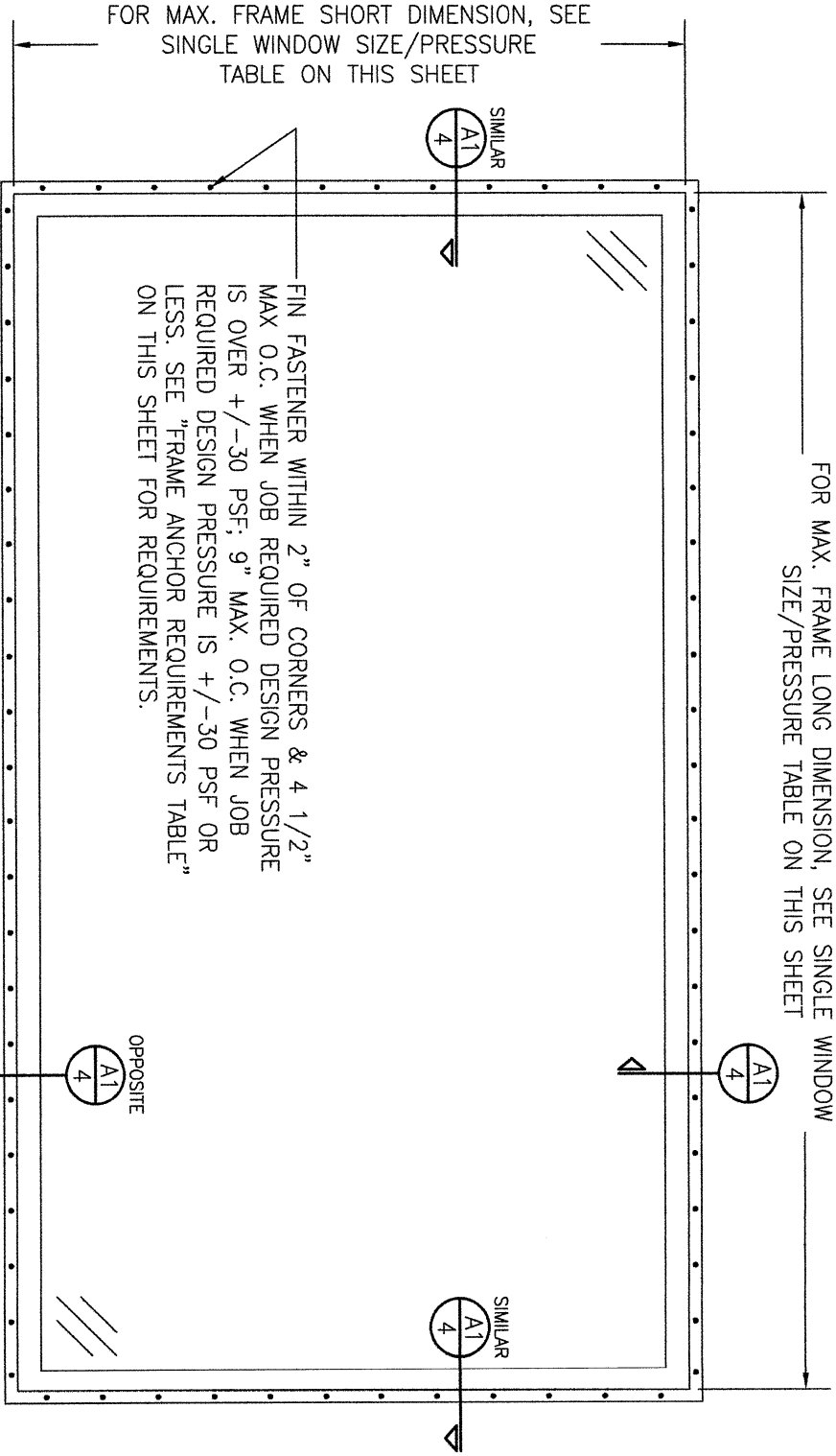
INSTALLATION EVALUATION IS BASED ON APPLICABLE ANCHOR STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THE EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT 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.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) 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	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
(1) INSTALLATION CLIP SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 1/4"	1/2"
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"
2500 PSI CONCRETE	(2) 3/16" CONCRETE SCREW	1 1/4"	2"
(3) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	11 GA. ROOFING NAIL	1 3/8"	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) FRAME AND INSTALLATION CLIP SCREWS SHALL BE A PAN OR HEX HEAD SCREW.
- (2) 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.).
- (3) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.

FOR MAX. FRAME SHORT DIMENSION, SEE
SINGLE WINDOW SIZE/PRESSURE
TABLE ON THIS SHEET



FIN FASTENER WITHIN 2" OF CORNERS & 4 1/2"
MAX O.C. WHEN JOB REQUIRED DESIGN PRESSURE
IS OVER +/-30 PSF; 9" MAX. O.C. WHEN JOB
REQUIRED DESIGN PRESSURE IS +/-30 PSF OR
LESS. SEE "FRAME ANCHOR REQUIREMENTS TABLE"
ON THIS SHEET FOR REQUIREMENTS.

ALLOWABLE SINGLE WINDOW
SIZE/PRESSURE TABLE

MAXIMUM FRAME LONG DIMENSION (IN.)	MAXIMUM FRAME SHORT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
108	60	30
72	72	30
60	60	50

1. LONG DIMENSION MAY BE
HORIZONTAL OR VERTICAL

PRESSURES & CONDITIONS SHOWN IN THIS
DRAWING ARE GOVERNED BY INSTALLATION
REQUIREMENTS ONLY. THE GOVERNING
CONDITIONS ON ANY SPECIFIC PRODUCT SHALL
BE THE LESSER OF THOSE SPECIFIED IN THE
PRODUCTS STATE APPROVAL OR THAT SHOWN IN
THESE DRAWINGS.

EXTERIOR ELEVATION:
SINGLE WINDOW

SCALE: 3/4" = 1'-0"

(NAIL FIN MOUNT CONDITION)

ANCHOR/SUBSTRATE EVALUATION NOTE:

ALL ANCHORS IN THEIR SPECIFIED SUBSTRATES
HAVE BEEN ANALYZED IN ACCORDANCE WITH
THEIR APPLICABLE STANDARD(S) AND ARE FOUND
TO BE CAPABLE OF SUPPORTING ALL LOADS
IMPOSED ON THEM UNDER THE GUIDELINES OF
THIS DOCUMENT. ANY SUBSTRATES OR
CONDITIONS OUTSIDE OF WHAT IS SHOWN
HERE-IN SHALL BE SUBJECT TO JOB SPECIFIC
ENGINEER'S REVIEW & CERTIFICATION.

INSTALLATION NOTE:

WHEN NECESSARY, INSTALLATION METHODS MAY
BE MIXED WITH ANY ONE WINDOW SUCH THAT
INDIVIDUAL SIDES OF THE WINDOW MAY USE ONE
OR THE OTHER ANCHOR METHOD (EXAMPLE:
HEAD 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 RATIONAL AND/OR LOCAL APPROVAL
OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER
STATED ON THESE DRAWINGS.

NO.	REVISION	DESCRIPTION	BY	DATE
A1	UPDATE	BORDER INFORMATION	W.W.S.	09/24/24

MANUFACTURER
CUSTOM WINDOW SYSTEMS, INC.
1900 SW 44TH AVENUE
OCALA, FL 34474
352-368-6922

DRAWING TITLE
COMFORT SHIELD VINYL FIXED DIRECT GLAZED NON-IMPACT WINDOW

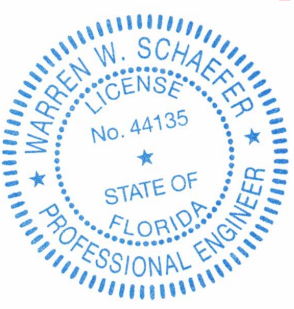
CONSULTANTS
**W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A.**
25601 AYSSEN DRIVE
PUNTA GORDA, FL 33983
PHONE: 561-744-3424

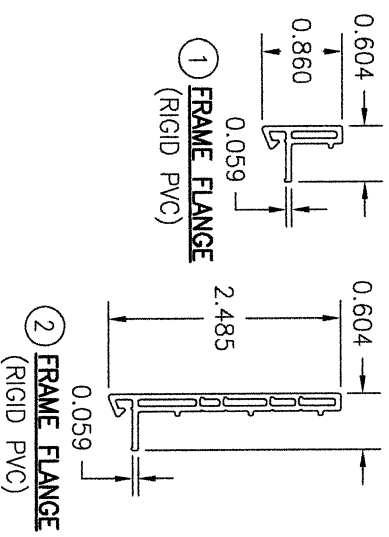
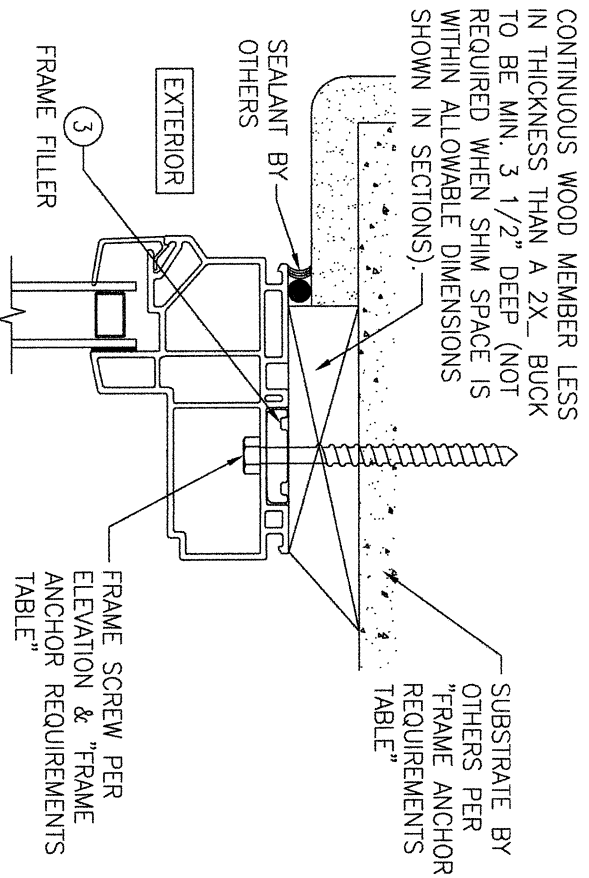
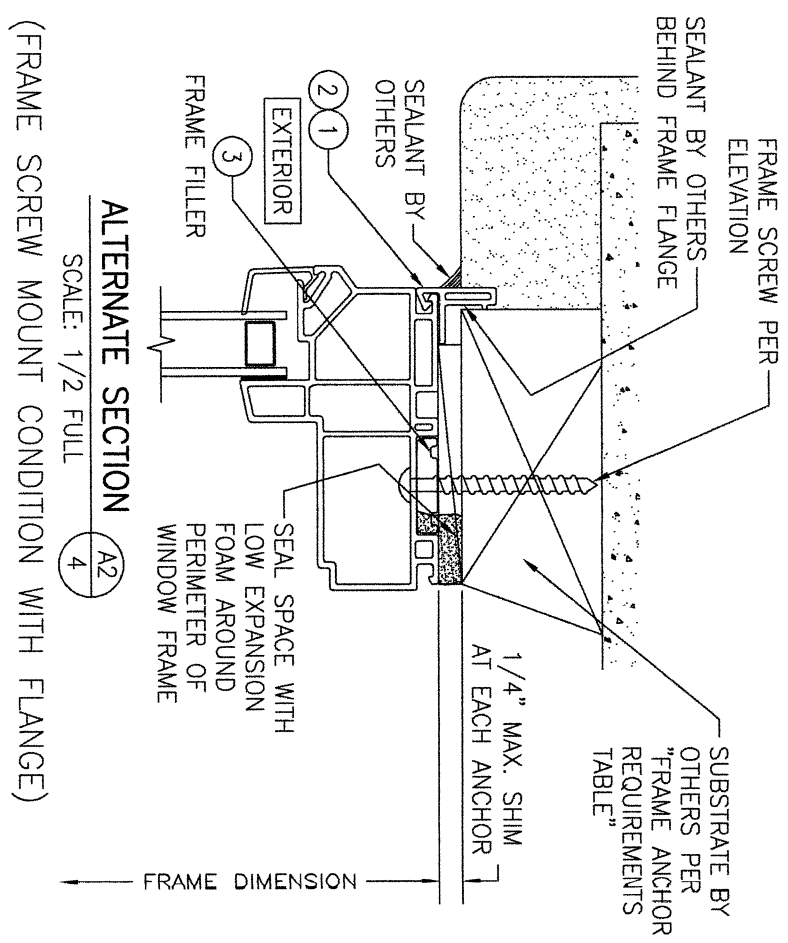
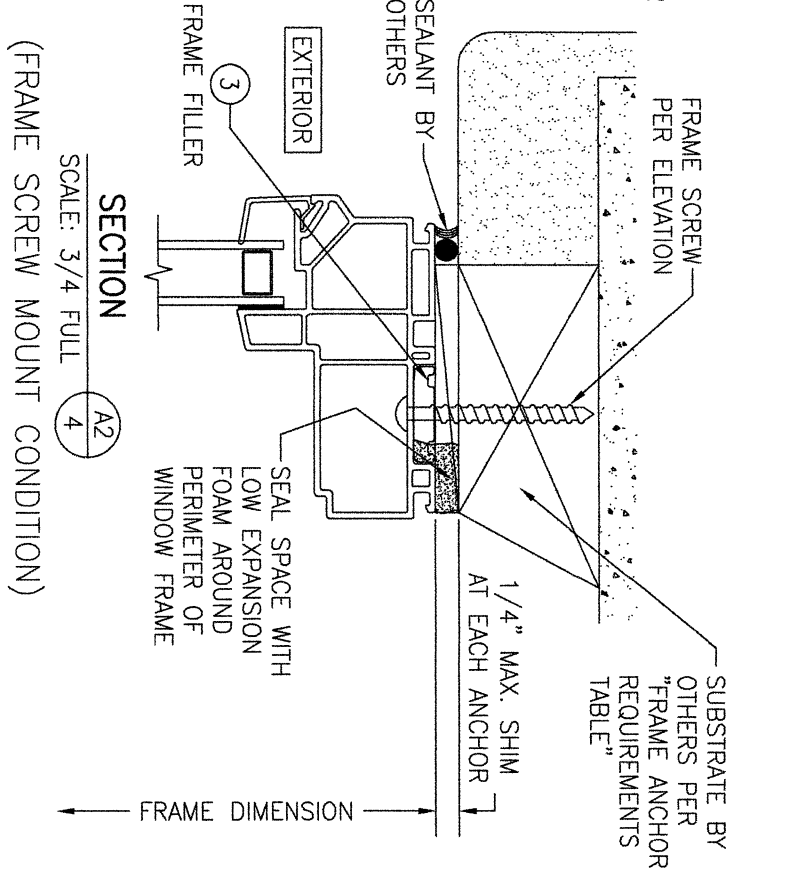
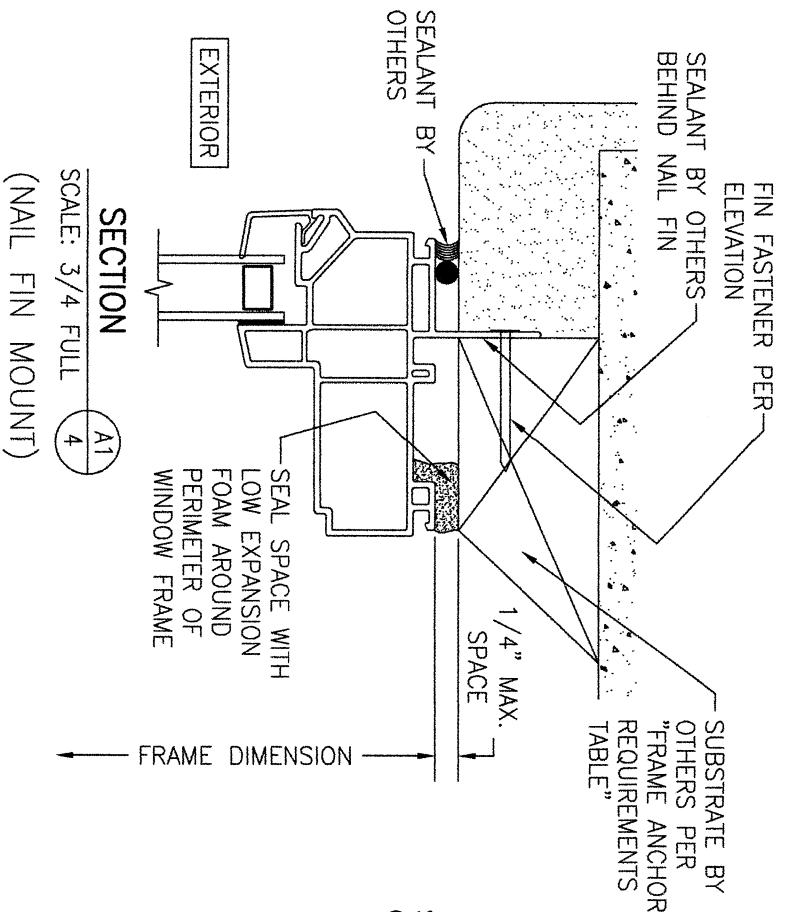
CERTIFICATION
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.
2015

SHEET NO.
1 OF **3**

Digitally signed
by Warren W
Schaefer
Date:
2024.09.25
11:08:25 -04'00'





1.020
 0.225
 LENGTH = 3.000"
3 FRAME FILLER
 (RIGID PVC)
 (NOTE THAT WHEN JOB REQUIRED DESIGN PRESSURE IS OVER +/-30 A FRAME FILLER MUST BE USED AT EACH FRAME SCREW)