

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 LARGE MISSILE 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.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
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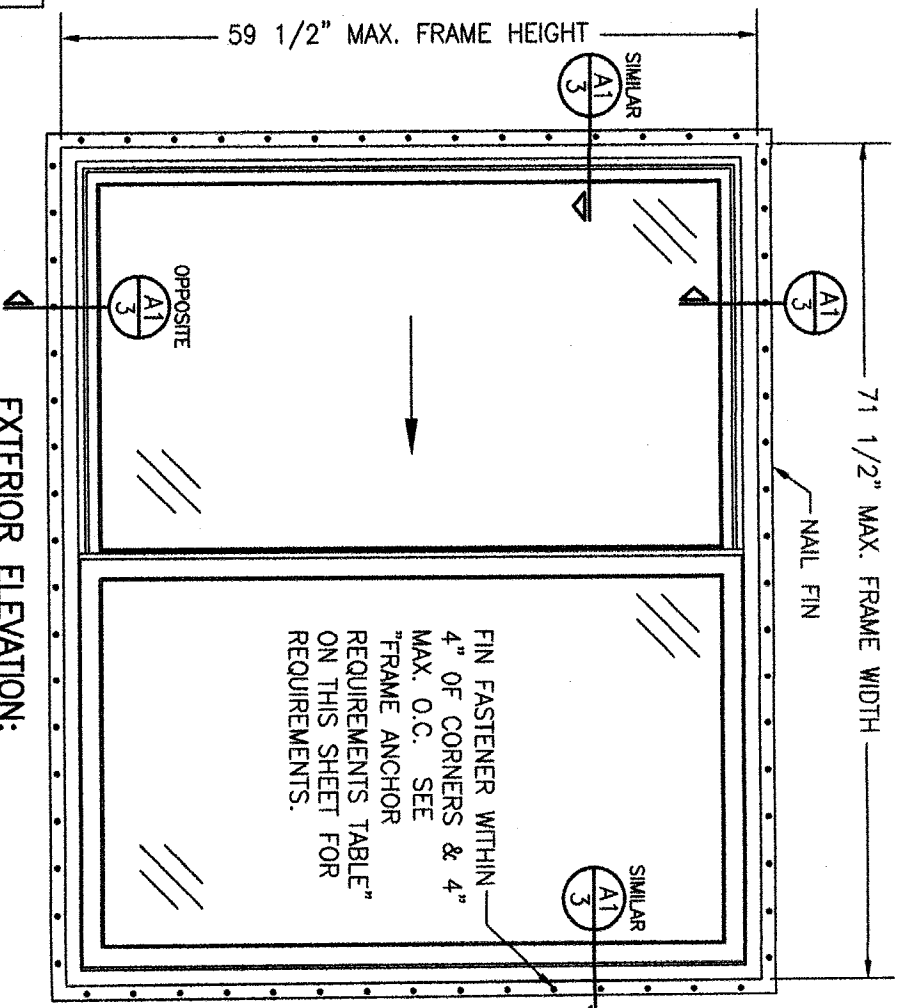
FRAME & INSTALLATION CLIP SCREWS

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	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"

(2) 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) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RASET/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.



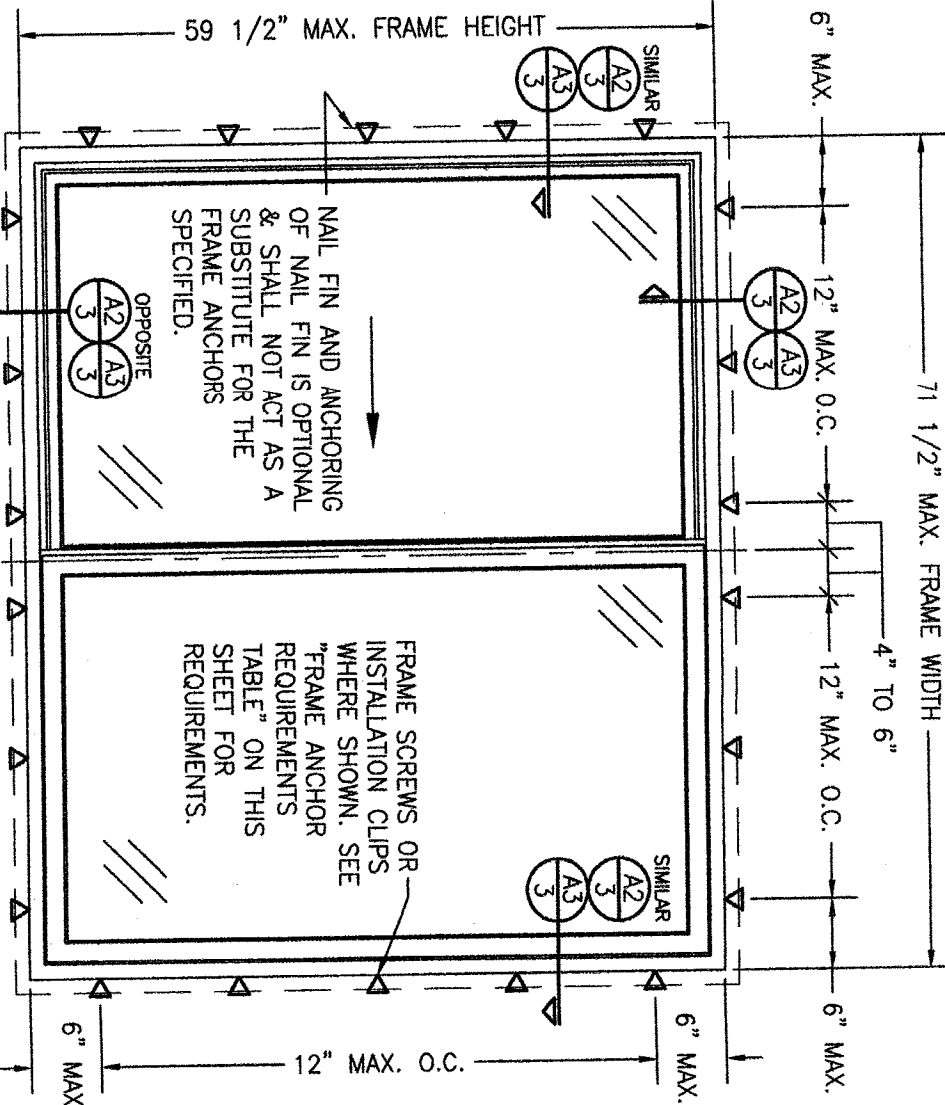
EXTERIOR ELEVATION:
2 PANEL WINDOW
SCALE: 3/4" = 1'-0"
(NAIL FIN MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE
+/- 50 PSF

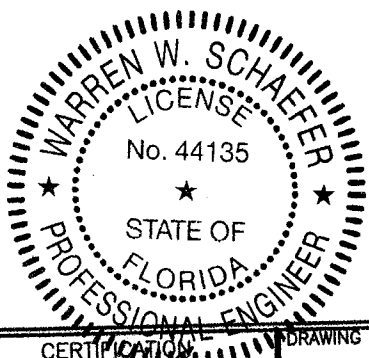
WIDEN BUCKS FOR CLIP MOUNT AS
REQUIRED TO MEET EDGE DISTANCE
REQUIREMENTS.

NOTE: HOLES IN CLIPS MAY NEED
TO BE WIDENED TO ACCOMMODATE
1/4" CONCRETE SCREWS.

ANCHOR/SUBSTRATE EVALUATION NOTE:
ALL ANCHORS IN THEIR SPECIFIED SUBSTRATES
HAVE BEEN ANALYZED IN ACCORDANCE WITH
THEIR APPLICABLE STANDARDS(S) AND ARE FOUND
TO BE CAPABLE OF SUPPORTING ALL LOADS OF
THIS DOCUMENT. ANY SUBSTRATES OR
CONDITIONS OUTSIDE OF WHAT IS SHOWN
HERE-IN SHALL BE SUBJECT TO JOB SPECIFIC
ENGINEER'S REVIEW & CERTIFICATION.



EXTERIOR ELEVATION:
2 PANEL WINDOW
SCALE: 3/4" = 1'-0"
(FRAME SCREW AND CLIP MOUNT CONDITION)

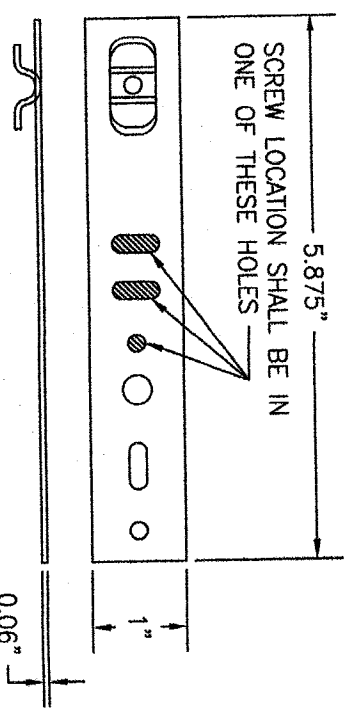
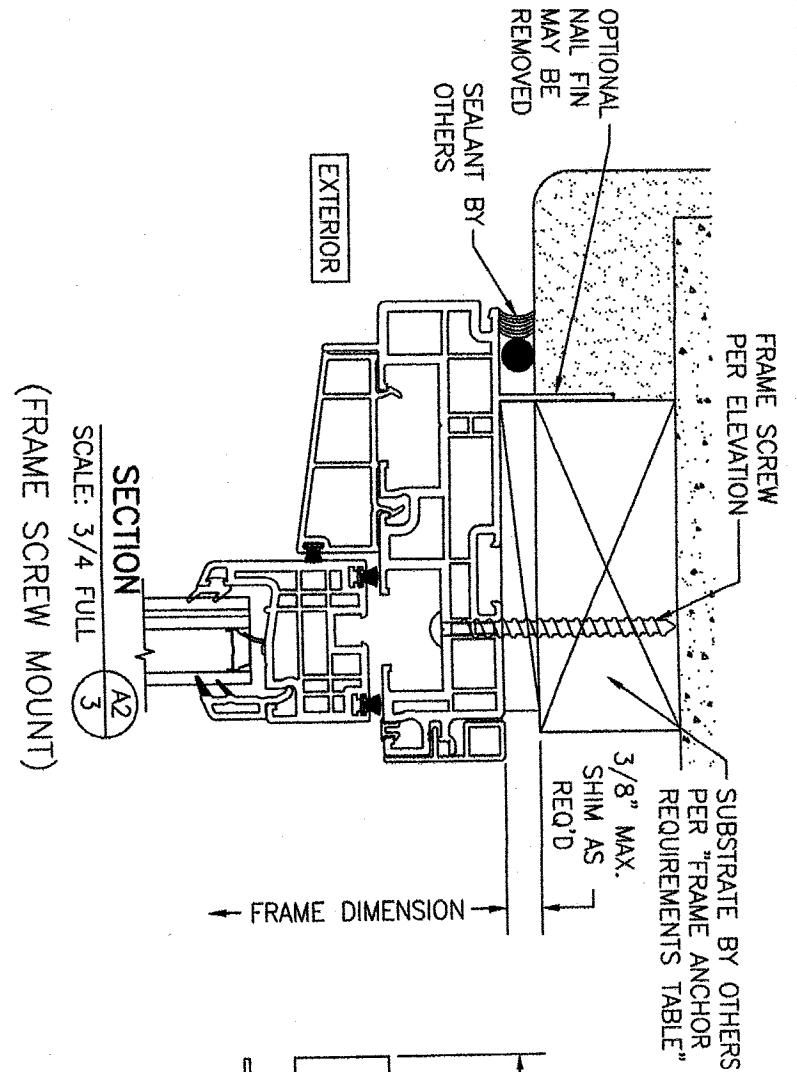
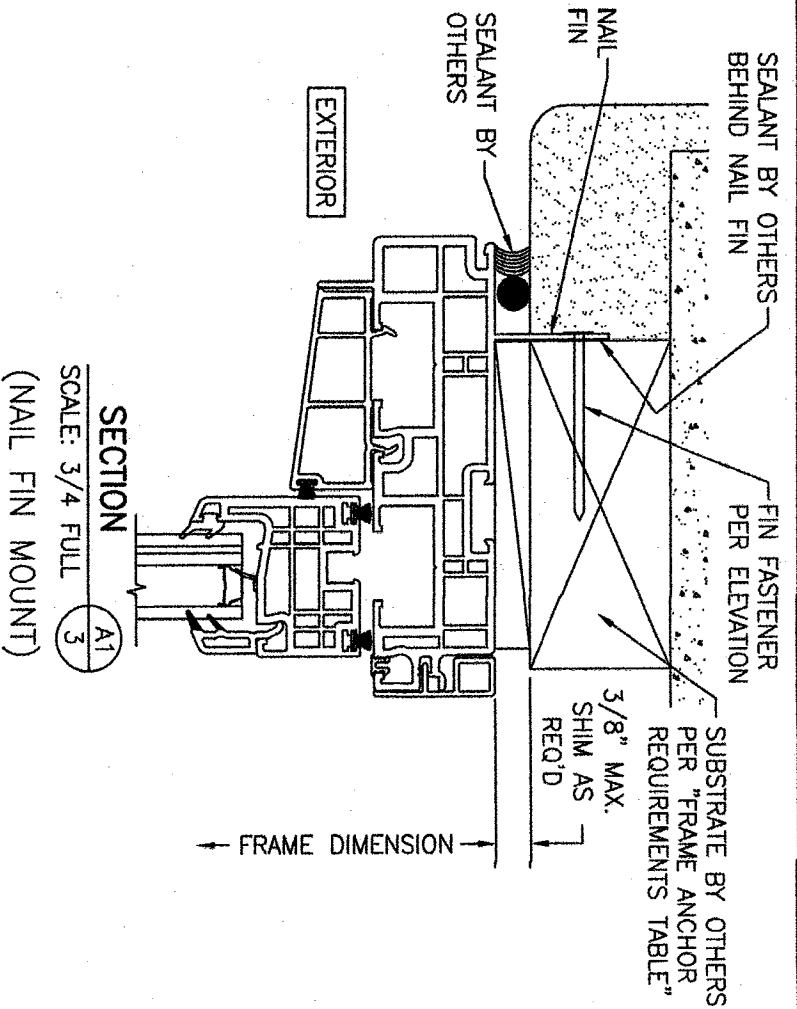


INSTALLATION NOTE:
WHEN NECESSARY, INSTALLATION METHODS MAY
BE MIXED WITH ANY ONE WINDOW SUCH THAT
INDIVIDUAL SIDES OF THE WINDOW MAY USE ONE
OR THE OTHER ANCHOR METHOD (EXAMPLE: SILL
MAY USE FRAME SCREWS METHOD WHILE OTHER
SIDES USE FIN)

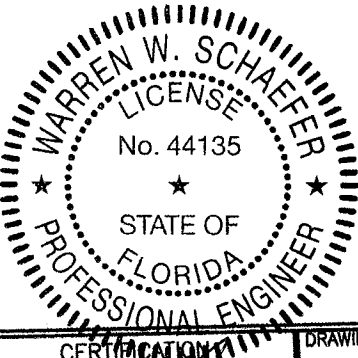
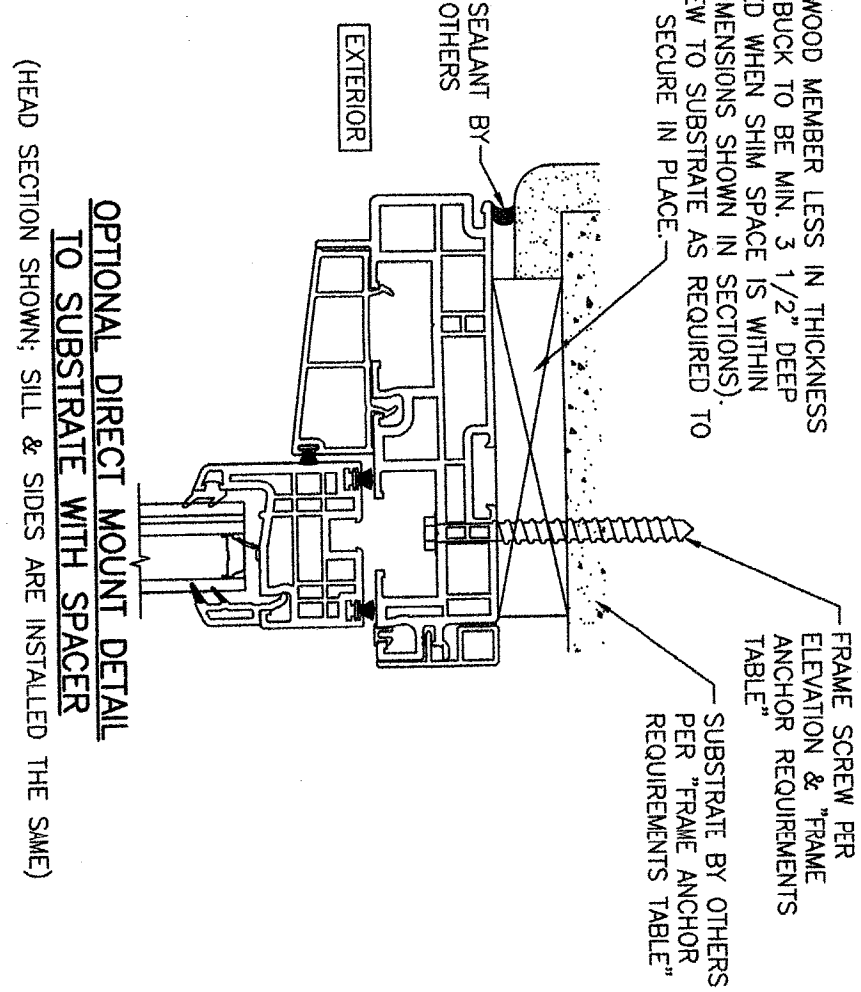
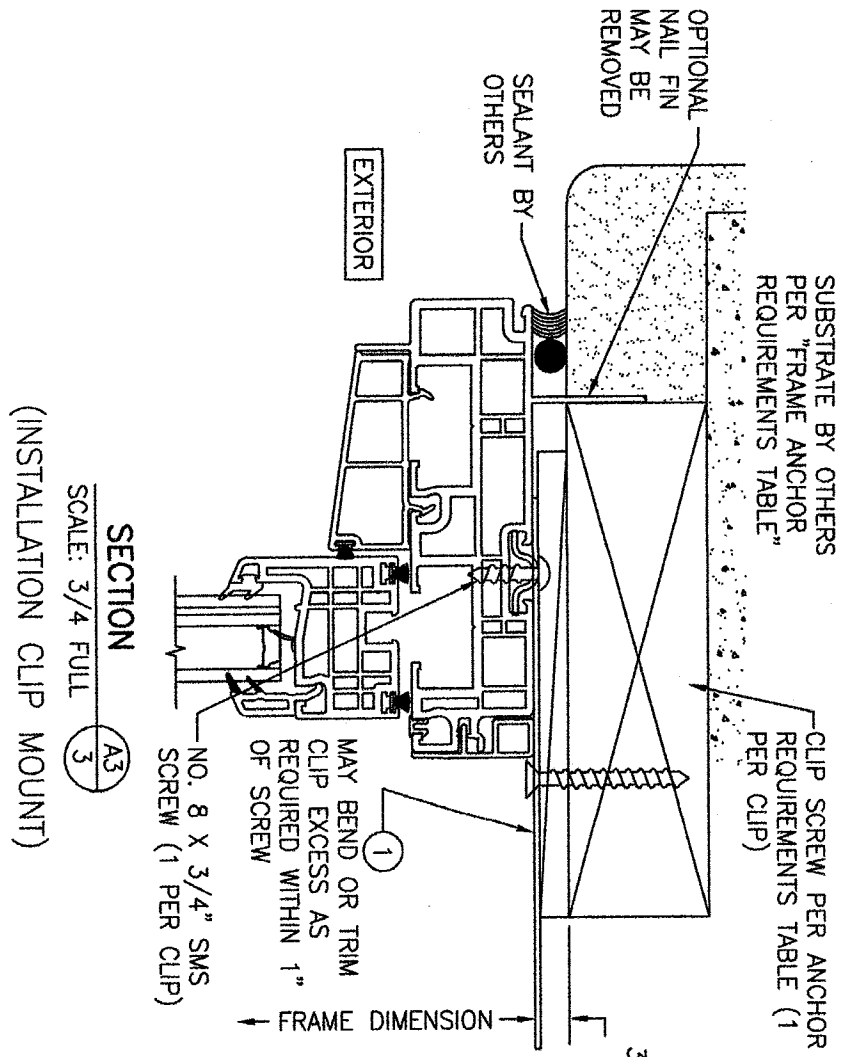
CONDITIONS SHOWN IN THIS DRAWING ARE
GOVERNED BY INSTALLATION REQUIREMENTS ONLY.
THE GOVERNING CONDITIONS ON ANY SPECIFIC
PRODUCT SHALL BE THE LESSER OF THOSE
SPECIFIED IN THE PRODUCTS STATE APPROVAL OR
THAT SHOWN IN THESE DRAWINGS.

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.

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.	DATE: 05/03/21
NO. REVISION DESCRIPTION BY DATE		
1 OF 2		
DRAWING NO. 2002A		
SHEET NO. 1		
DRAFTING TITLE: FORGENT SERIES IMPACT SLIDING WINDOWS		
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER: KOLBE WINDOWS & DOORS 1211 DEPOT STREET MANAWA, WI 54949 (920) 596-2501
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		



① **INSTALLATION CLIP**
MIN. 50 KSI GALV. STEEL



MAX 04/2021

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

DRAWING TITLE	
FORGENT SERIES IMPACT SLIDING WINDOWS	
CONSULTANTS	MANUFACTURER
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	KOLBE WINDOWS & DOORS 1211 DEPOT STREET MANAWA, WI 54949 (920) 596-2501

NO.	REVISION DESCRIPTION	BY	DATE
1	1-16		05/03/21
2			
3			
4			
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