

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.

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

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 1/4" CONCRETE SCREW	1 1/4"	2" →
---------------	---------------------------	--------	------

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

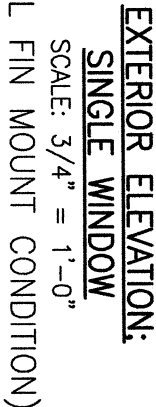
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
--	-----------------	--------	------

MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	1 1 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 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.

 $+/-50$ 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 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:

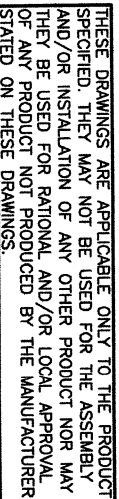
WHEN NECESSARY, INSTALLATION METHODS MAY BE MIXED WITH ANY ONE WINDOW SUCH THAT INDIVIDUAL SIDES OF THE WINDOW MAY USE ONE OR THE OTHER ANCHOR METHOD (EXAMPLE: SIL MAY USE FRAME SCREWS METHOD WHILE OTHER SIDES USE FIN)

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.

EXTERIOR ELEVATION:

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

Warren W
Schaefer
2024.10.23
11:54:18
-04'00'



NO.	REVISION DESCRIPTION	BY	DATE
A1	CHANGE FRAME/SASH PROFILE	W.W.S.	10/23/24

PLOT:

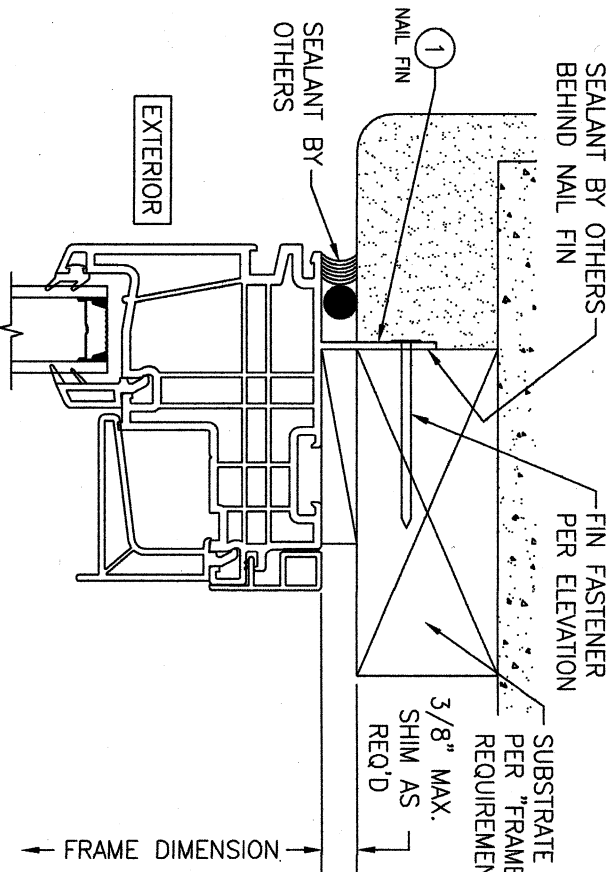
I=16

DATE: 04/15/21

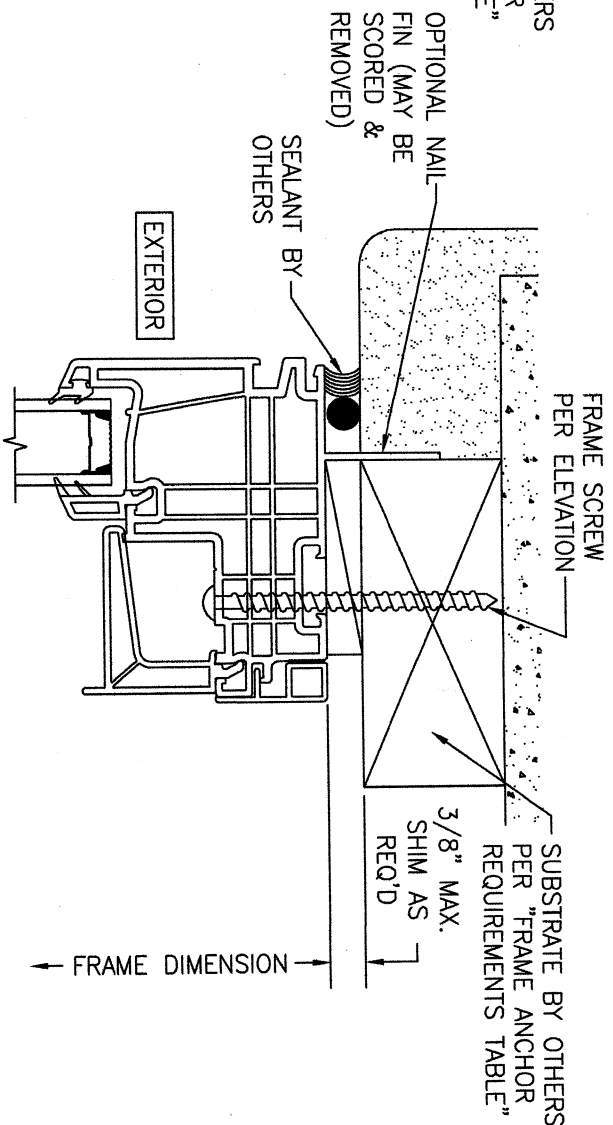
DRAWN BY: W.M.S.
 CHECKED BY: W.M.S.

DRAWING TITLE	
FORGENT SERIES NON-IMPACT CASEMENT PICTURE WINDOWS	
CONSULTANTS	MANUFACTURER
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	KOLBE WINDOWS & DOORS
25601 AYSEN DRIVE	1211 DEPOT STREET
PUNTA GORDA, FL 33983	MANAWA, WI 54949
PHONE: 561-744-3424	(920) 596-2501

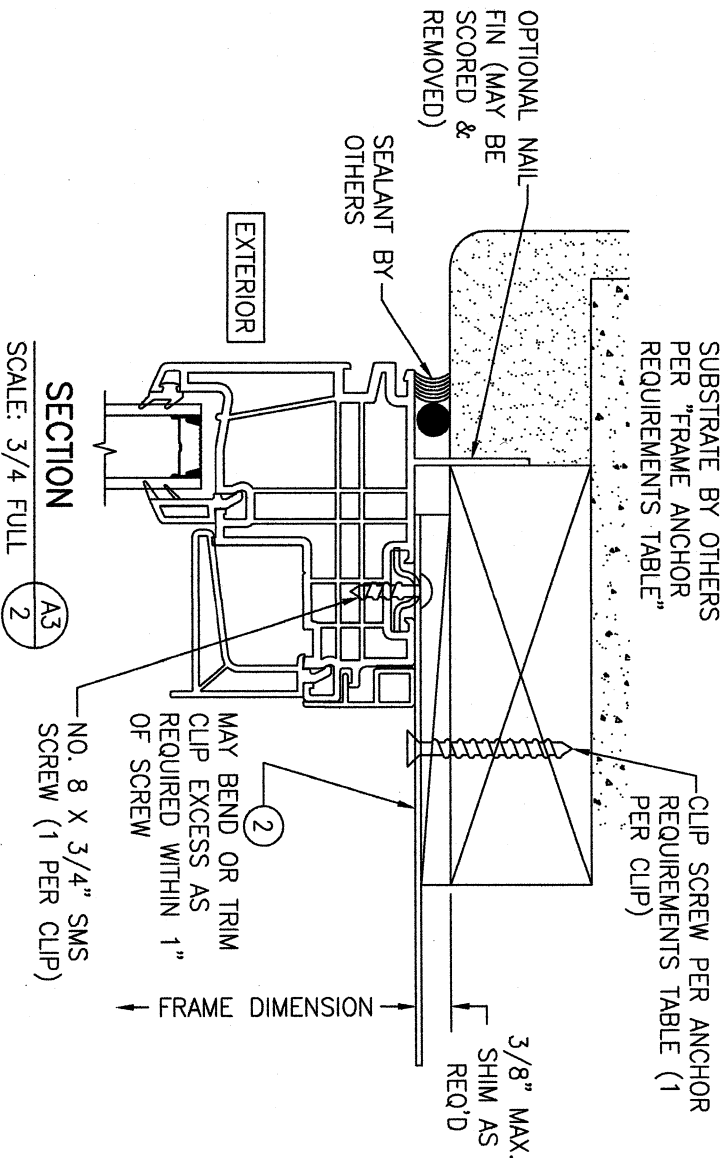
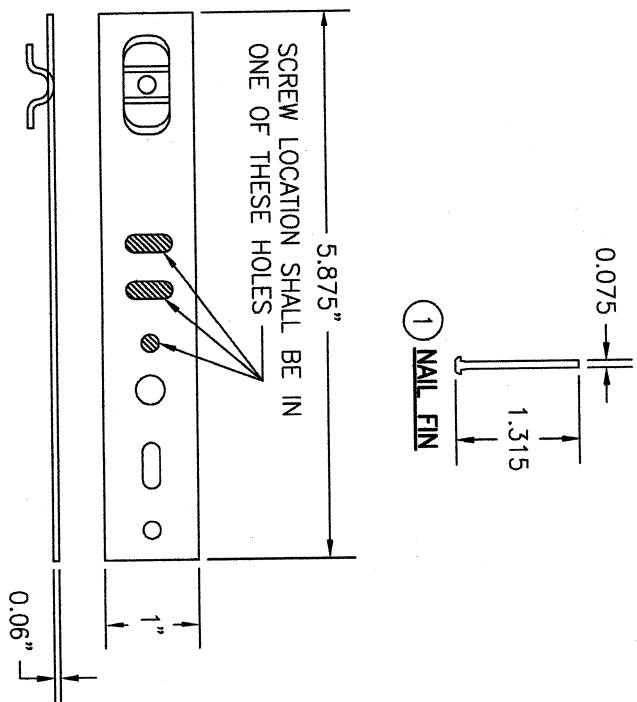
DRAWING NO.		REV.	<u>CERTIFICATION</u> _____ WARREN W. SCHAEFER, P.E. P.E. NO. 44135
1997			
SHEET NO.	A		
1 OF 2			



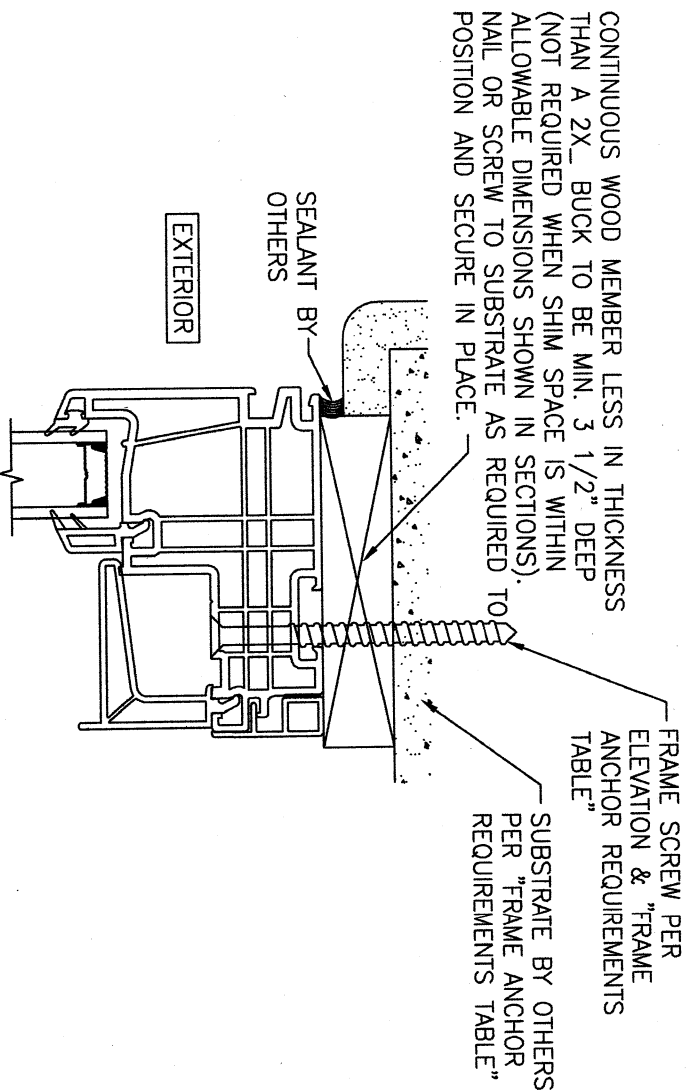
SECTION A1
SCALE: 3/4 FULL
(NAIL FIN MOUNT)



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



SECTION A3
SCALE: 3/4 FULL
(INSTALLATION CLIP MOUNT)



OPTIONAL DIRECT MOUNT DETAIL
TO SUBSTRATE WITH SPACER
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)

NO.	REVISION	DESCRIPTION	BY	DATE

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLT: 1=16	DATE: 04/15/21
MANUFACTURER KOLBE WINDOWS & DOORS 1211 DEPOT STREET MANAWA, WI 54949 (920) 596-2501	

DRAWING TITLE FORGENT SERIES NON-IMPACT CASEMENT PICTURE WINDOWS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	MANUFACTURER KOLBE WINDOWS & DOORS 1211 DEPOT STREET MANAWA, WI 54949 (920) 596-2501

CERTIFICATION WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1997 A	SHEET NO. 2 OF 2
--	---	--