

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 PRODUCT'S 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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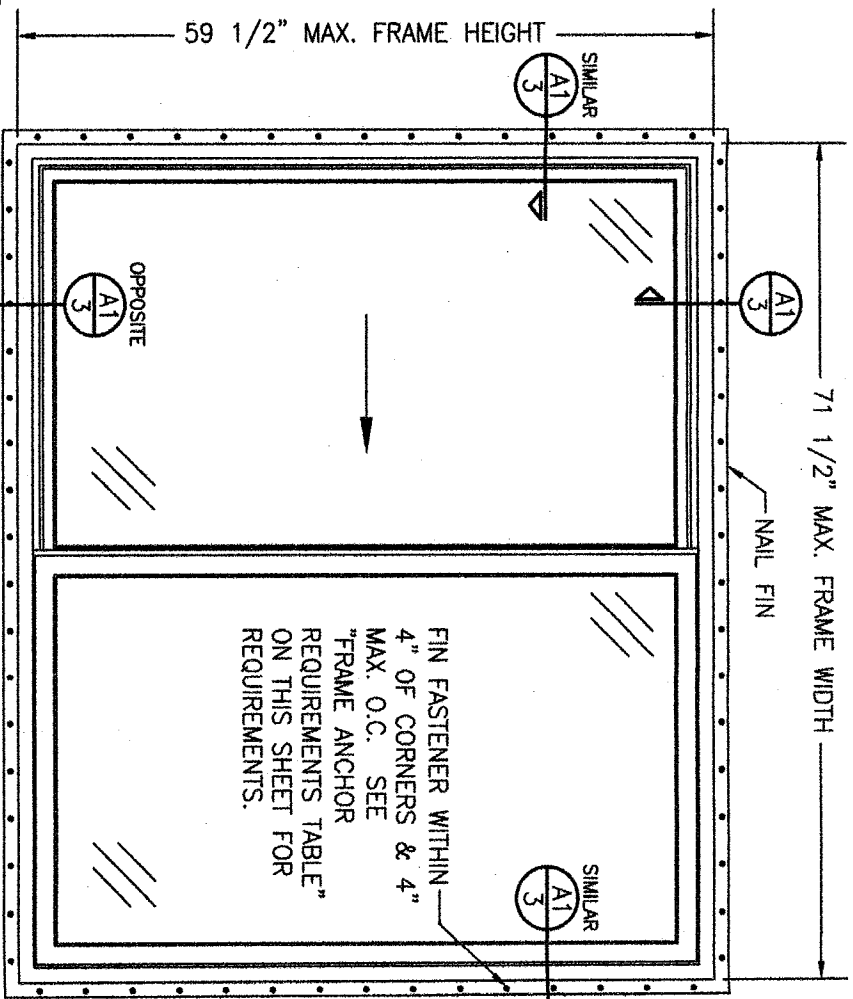
FRAME & INSTALLATION CLIP SCREWS

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 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:
2 PANEL WINDOW

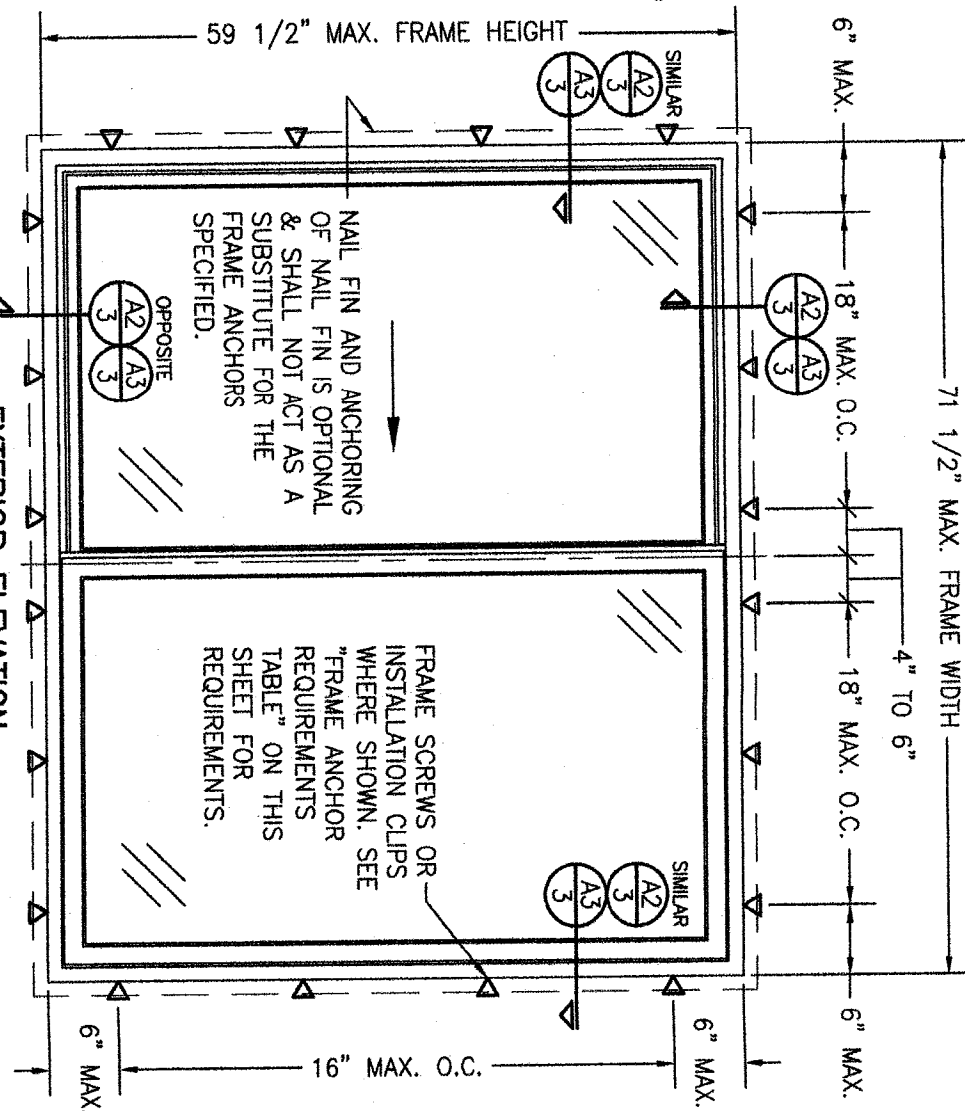
SCALE: 3/4" = 1'-0"

(NAIL FIN MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE

(NAIL FIN MOUNT)

+/-40 PSF



EXTERIOR ELEVATION:
2 PANEL WINDOW

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

(FRAME SCREW AND CLIP MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE

(FRAME SCREW & CLIP MOUNT)

+/-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.

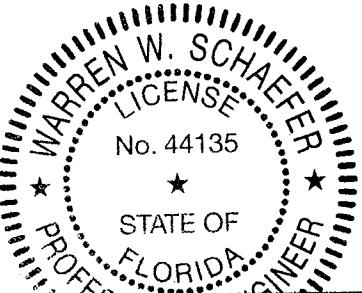
NOTE: IF NAIL FIN IS ONE OF THE
METHODS USED, THE UNIT'S ALLOWABLE
DESIGN PRESSURE SHALL BE RESTRICTED
BY THE LESSER DP FOR NAIL FIN INSTALL.

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 PRODUCT'S 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.



DRAWING TITLE
FORGENT SERIES NON-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

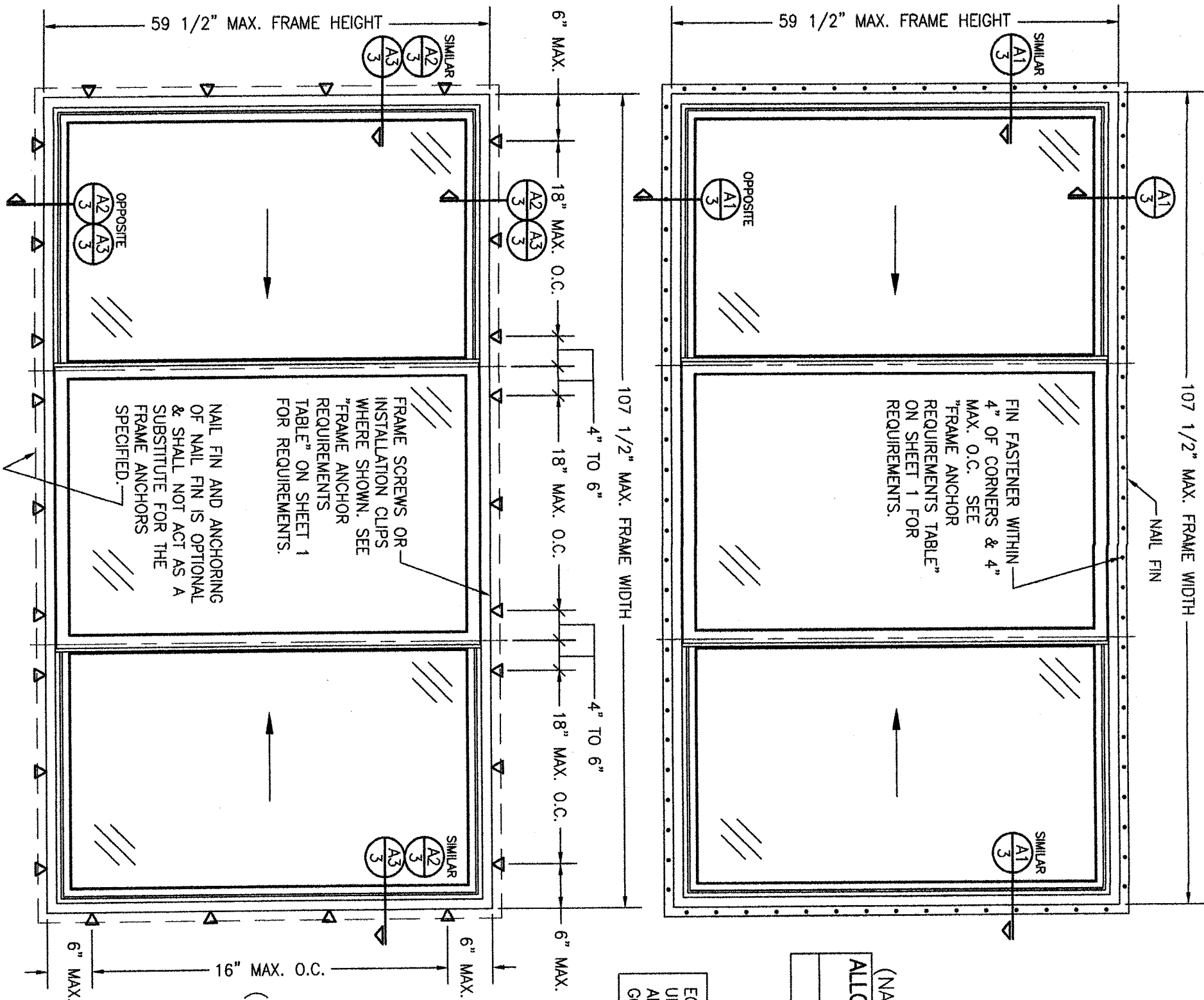
MANUFACTURER
KOLBE WINDOWS & DOORS
1211 DEPOT STREET
MANAWA, WI 54949
(920) 596-2501

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

DRAWN BY: W.W.S.
CHECKED BY: W.W.S.
DATE: 05/03/21
SHEET NO. 1 OF 3

MAY 04 2021

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



FIN FASTENER WITHIN 4" OF CORNERS & 4" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

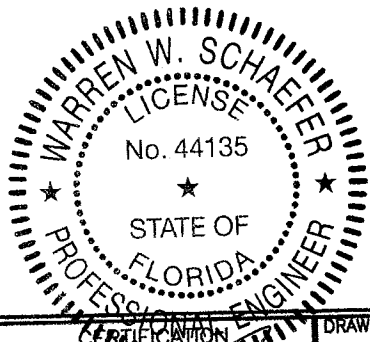
FRAME SCREWS OR INSTALLATION CLIPS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

NAIL FIN AND ANCHORING OF NAIL FIN IS OPTIONAL & SHALL NOT ACT AS A SUBSTITUTE FOR THE FRAME ANCHORS SPECIFIED.

EQUAL LIGHT 3-PANEL WINDOWS ARE SHOWN. UNEQUAL LIGHT 3-PANEL WINDOWS ALSO APPLY WITHIN THE SAME OVERALL UNIT SIZE AS GOVERNED BY THE PRODUCTS CERTIFICATION.

EXTERIOR ELEVATION:
3 PANEL WINDOW
 SCALE: 3/4" = 1'-0"
 (NAIL FIN MOUNT CONDITION)
ALLOWABLE DESIGN PRESSURE
 (NAIL FIN MOUNT)
 +/-35 PSF

EXTERIOR ELEVATION:
3 PANEL WINDOW
 SCALE: 3/4" = 1'-0"
 (FRAME SCREW AND CLIP MOUNT CONDITION)
ALLOWABLE DESIGN PRESSURE
 (FRAME SCREW OR CLIP MOUNT)
 +40/-45 PSF



MAY 6 4 2021

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

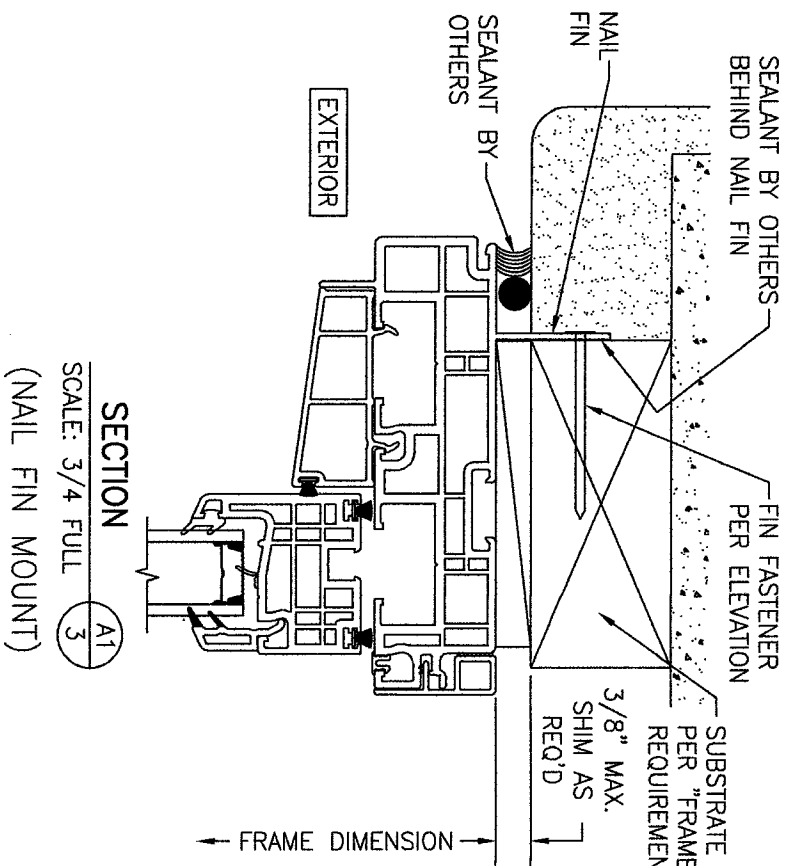
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FORGENT SERIES NON-IMPACT SLIDING WINDOWS

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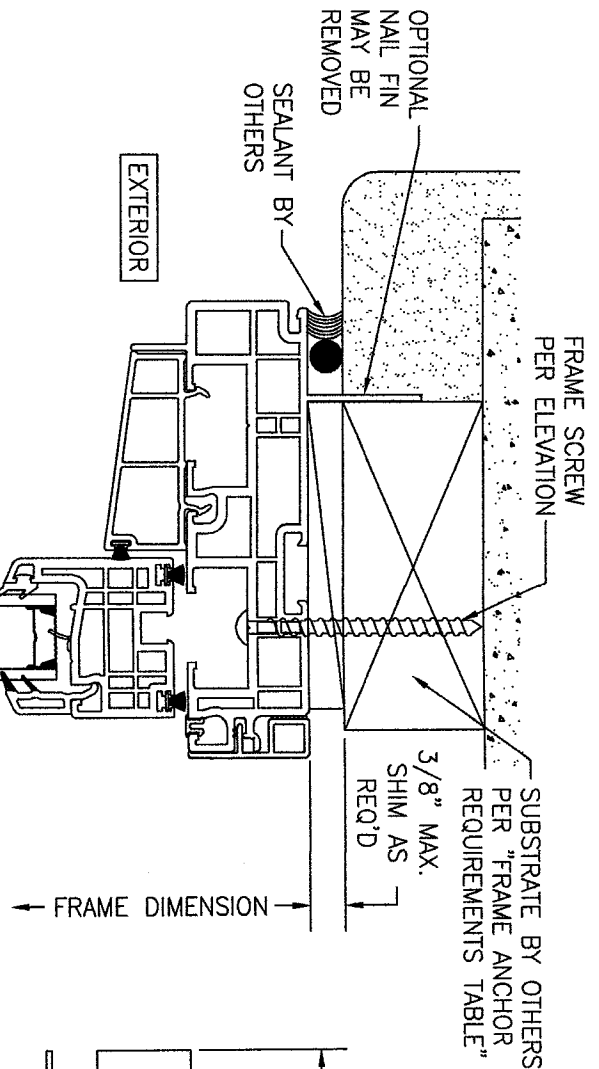
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KOLBE WINDOWS & DOORS
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 MANAWA, WI 54949
 (920) 596-2501

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1	1-16		

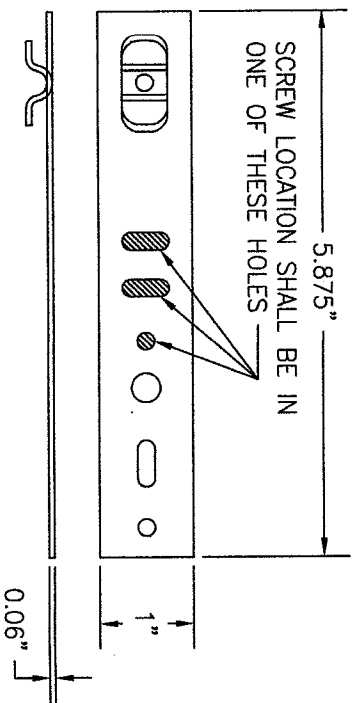
DRAWING NO. **2002**
 SHEET NO. **2 OF 3**



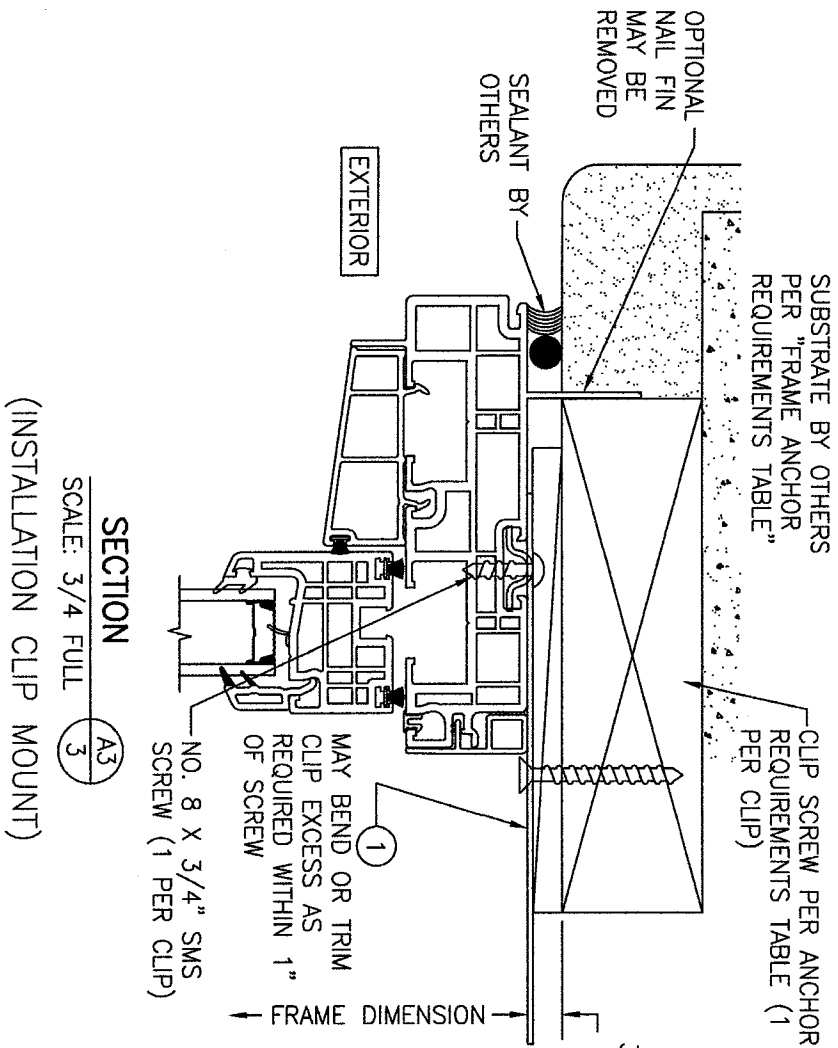
SECTION A1
SCALE: 3/4 FULL
(NAIL FIN MOUNT)



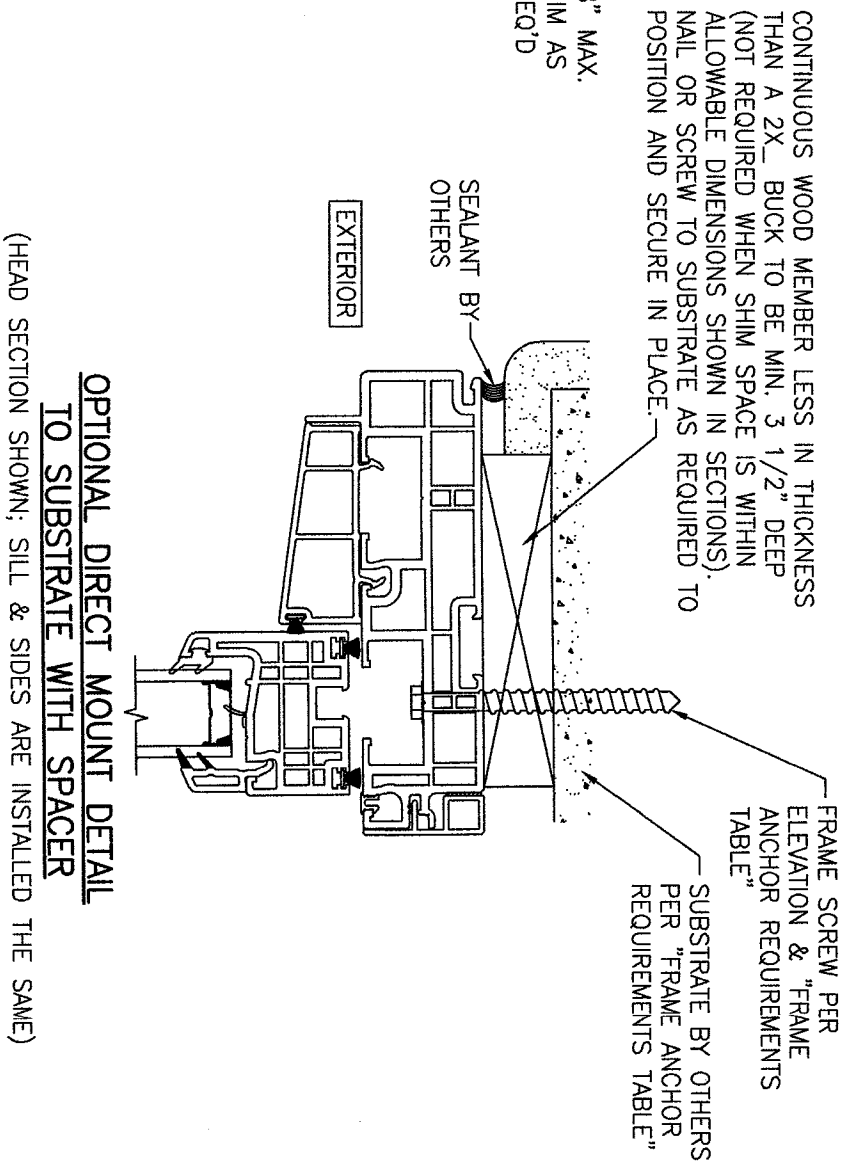
SECTION A2
SCALE: 3/4 FULL
(FRAME SCREW MOUNT)



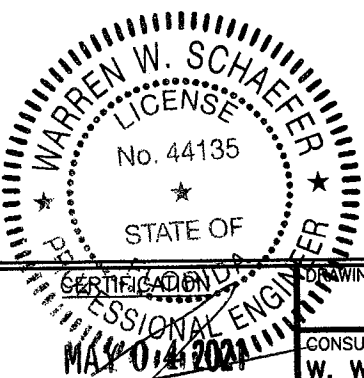
1 INSTALLATION CLIP
MIN. 50 KSI GALV. STEEL



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)



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NO.	REVISION DESCRIPTION	BY	DATE

DRAWING NO.
2002
SHEET NO.
3 OF 3

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