

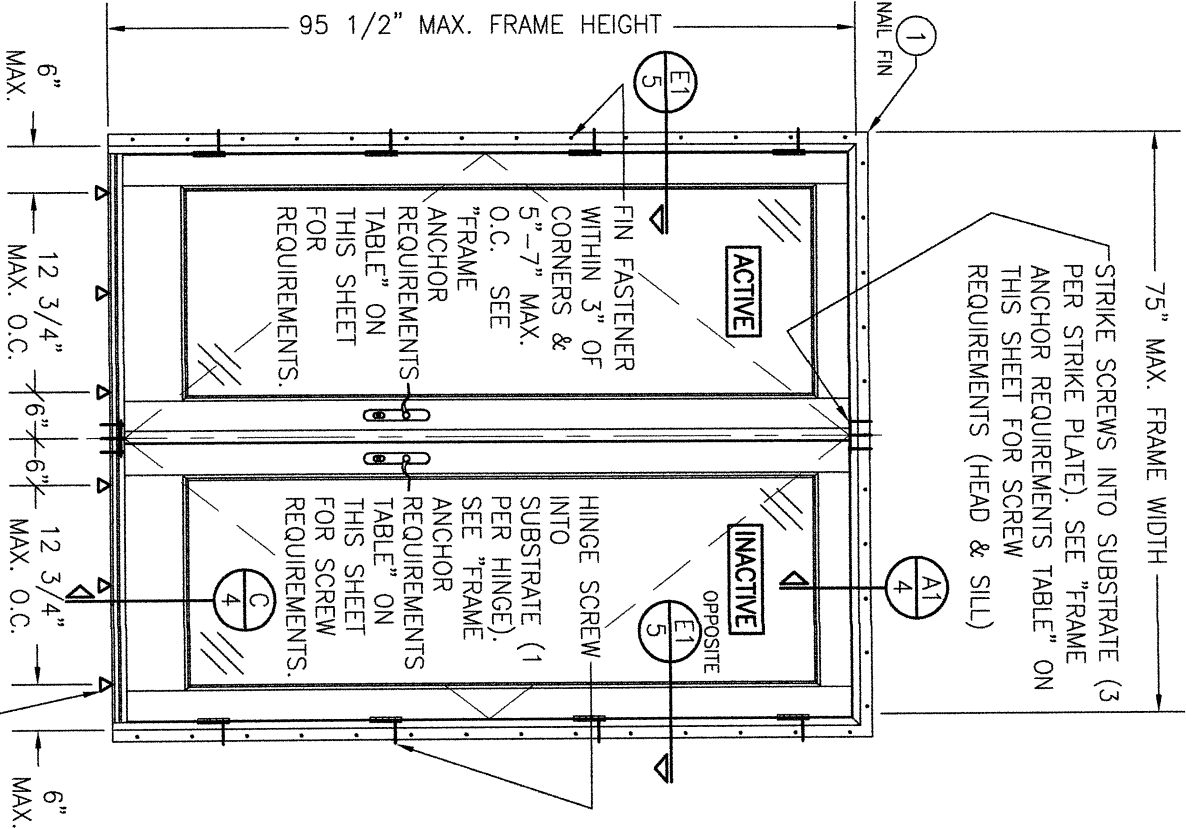
GENERAL NOTES:

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 ENTRY & 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 ENTRY'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

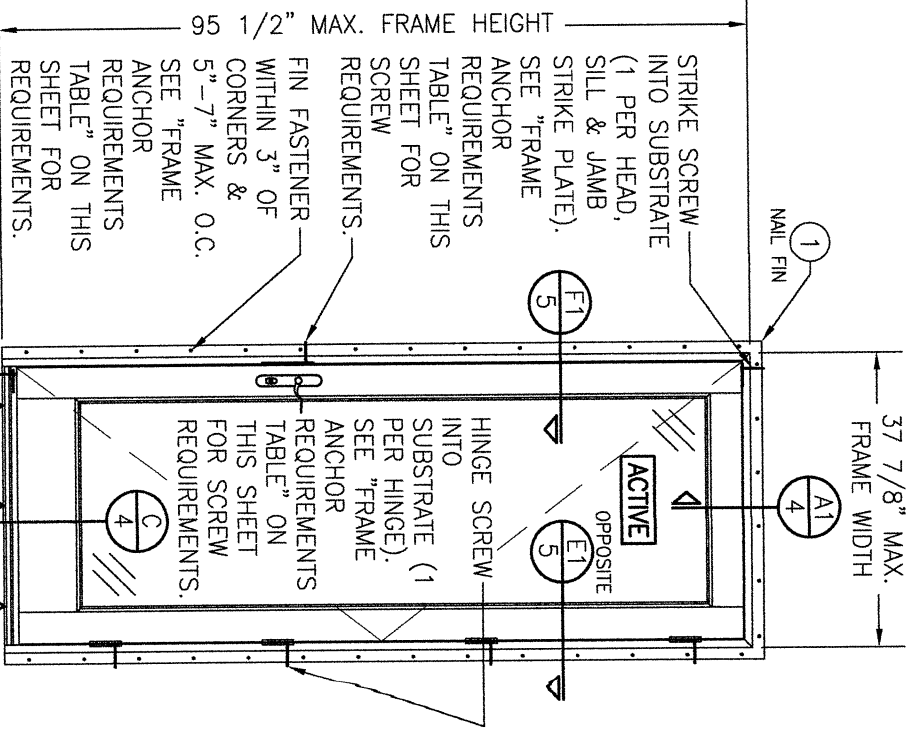
OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN/HINGE/STRIKE TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/SILL SCREWS			
(4) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
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"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
(2) INSTALLATION CLIP SCREWS (BENT & 3-PIECE CLIPS)			
(4) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	(3) N/A
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	(3) N/A
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	(3) N/A
INSTALLATION CLIP SCREWS (STRAIGHT CLIPS)			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	3/4" →
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	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"
(3) NAILING FIN FASTENERS			
(4) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 3/8"	1/2"
(4) MIN. 2X6 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"
HINGE & STRIKE SCREWS			
(4) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	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"
C-90 CMU/2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/4"	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) STANDARD BENT CLIP INSTALLATION SCREWS SHALL BE POSITIONED WITHIN 1/4" OF THE BUCK/SUBSTRATE EDGE AND, IF INTO WOOD, ANGLED 20 TO 30 DEGREES INTO THE BUCK.
- (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.
- (4) 2X6 BUCKS MAY BE RIPPED DOWN TO MIN 4 3/4" DEPTH EXCEPT WHEN THE STRAIGHT CLIP INSTALLATION CONDITION APPLIES.



INTERIOR ELEVATION:
DOUBLE XX DOOR
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE	
+/-50 PSF	



INTERIOR ELEVATION:
SINGLE X DOOR
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

HINGE REQUIREMENTS	
FRAME HEIGHT	QUANTITY PER PANEL
OVER 83 1/2"	4
83 1/2" AND LESS	3

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
1	24		
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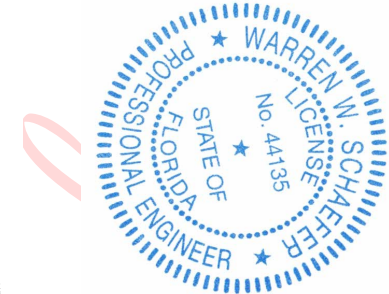
DRAWN BY: M.W.S.	CHECKED BY: M.W.S.
DATE: 01/12/26	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 800-222-2995	

DRAWING TITLE CIS01 CLAD WOOD NON-IMPACT IN-SWING HINGED DOOR	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983	

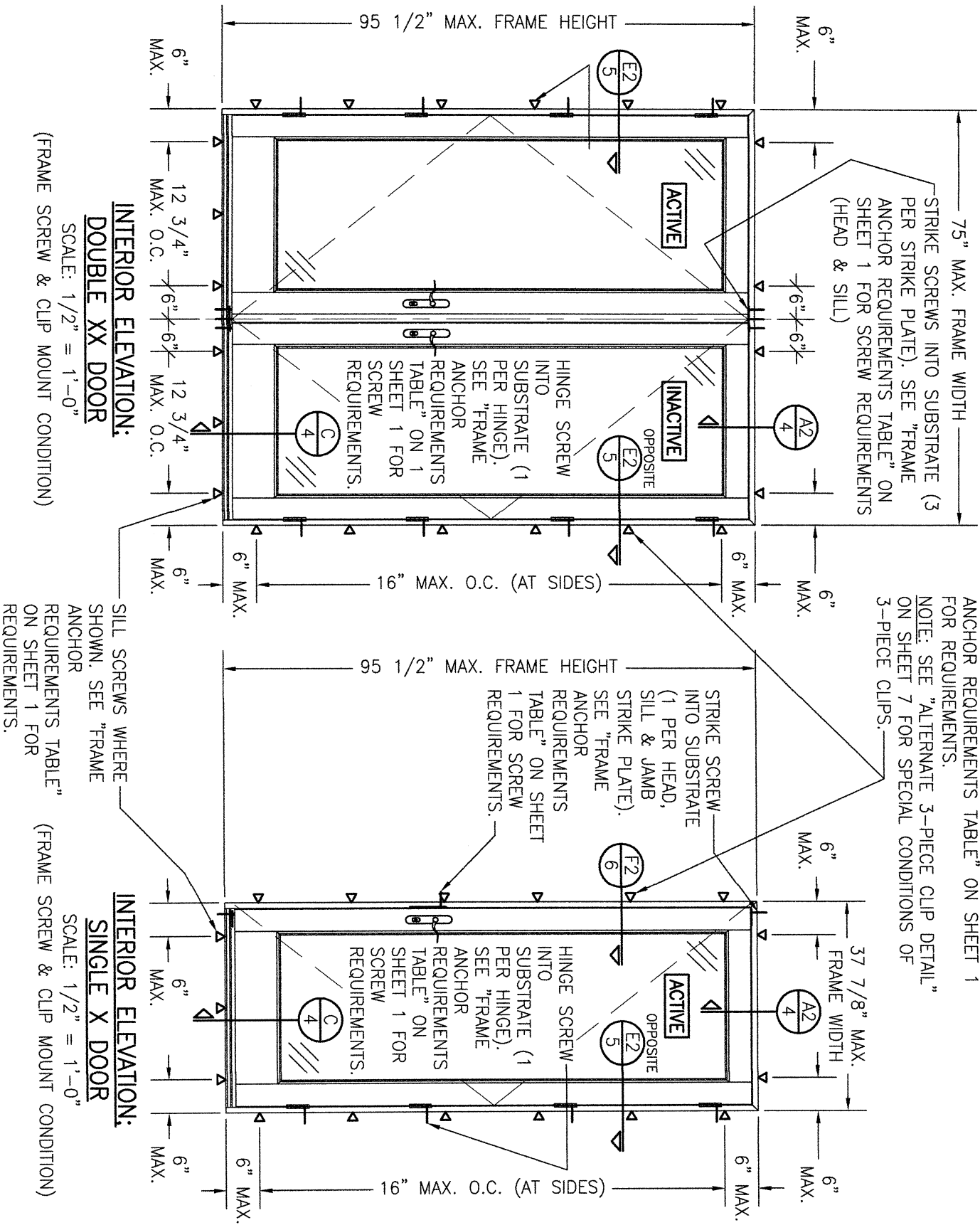
CERTIFICATION WARREN W. SCHAEFER, P.E. P.E. NO. 44-135	
DRAWING NO. 2029	REV. 1
SHEET NO. 1 OF 8	

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: LEFT SIDE MAY USE FRAME SCREWS METHOD WHILE OTHER SIDES USE FIN)



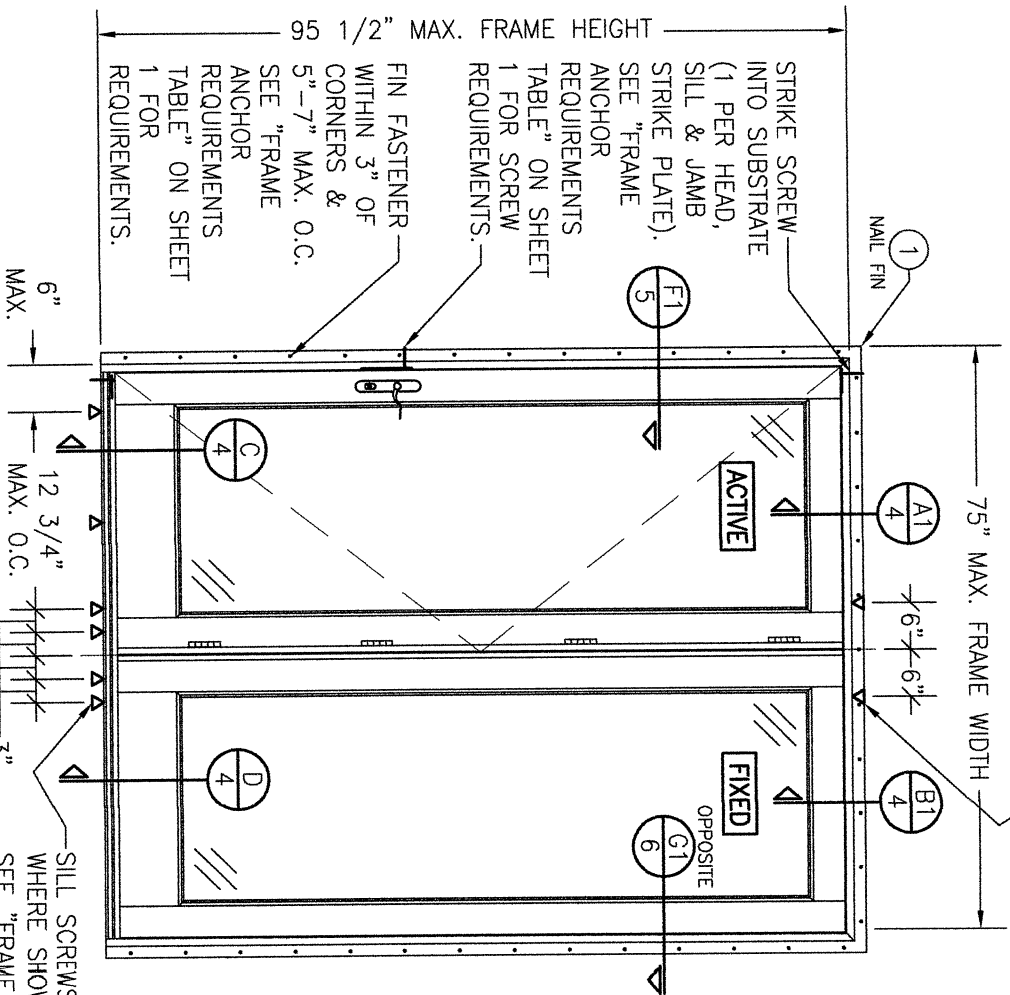
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by Warren W
Schaefer
Date:
2026.01.14
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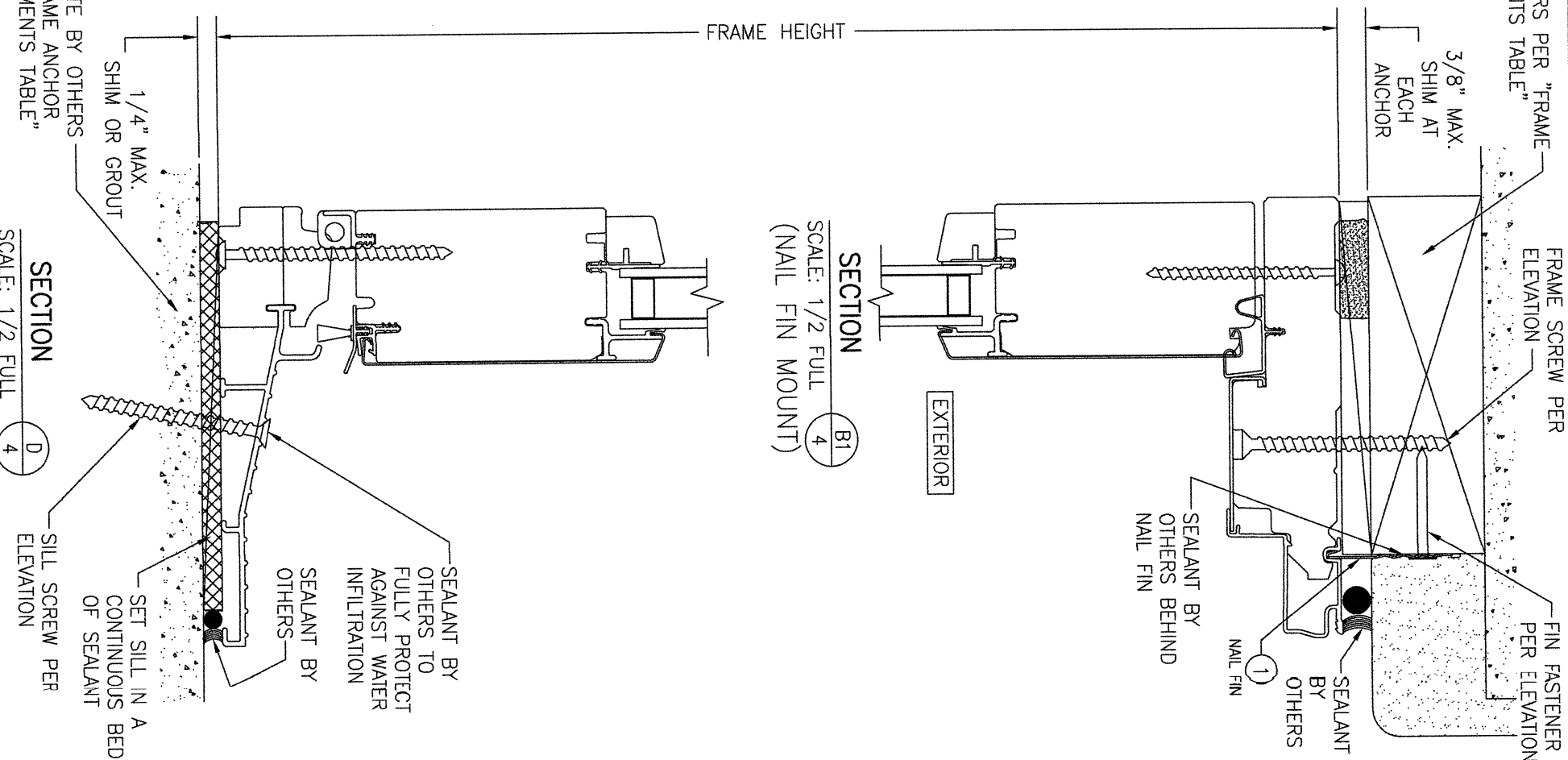
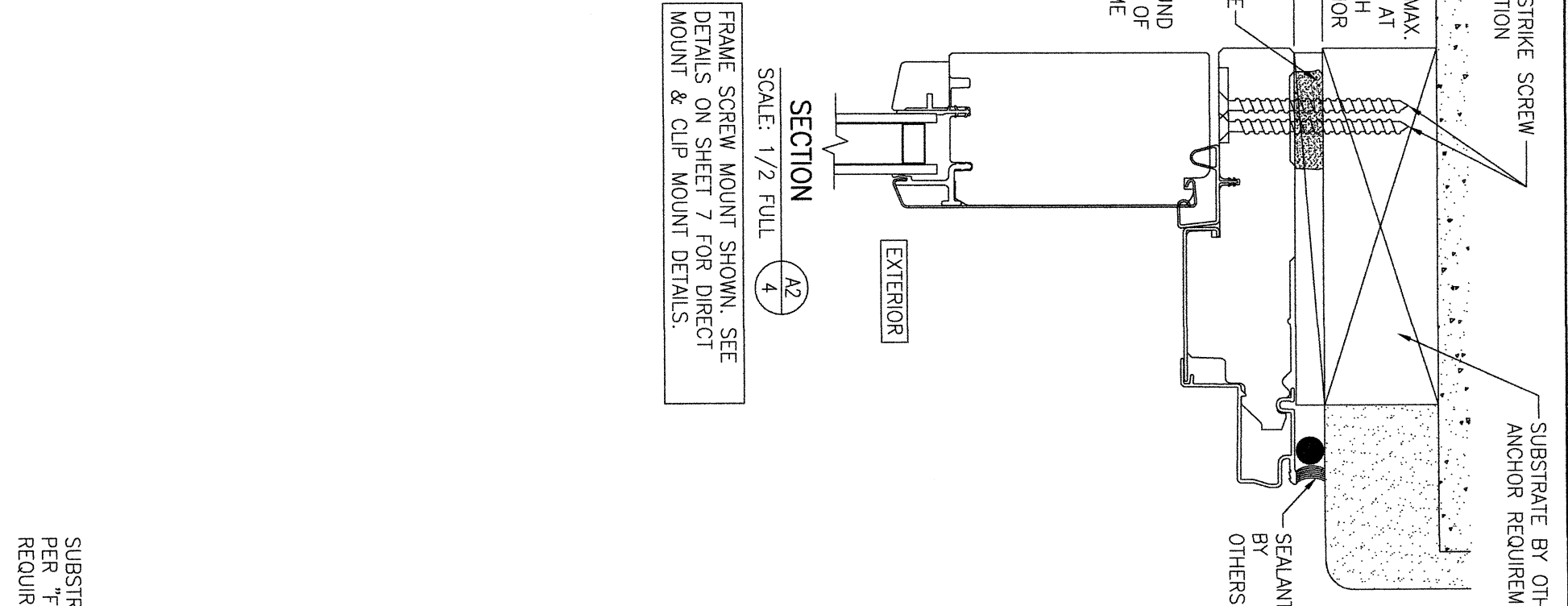
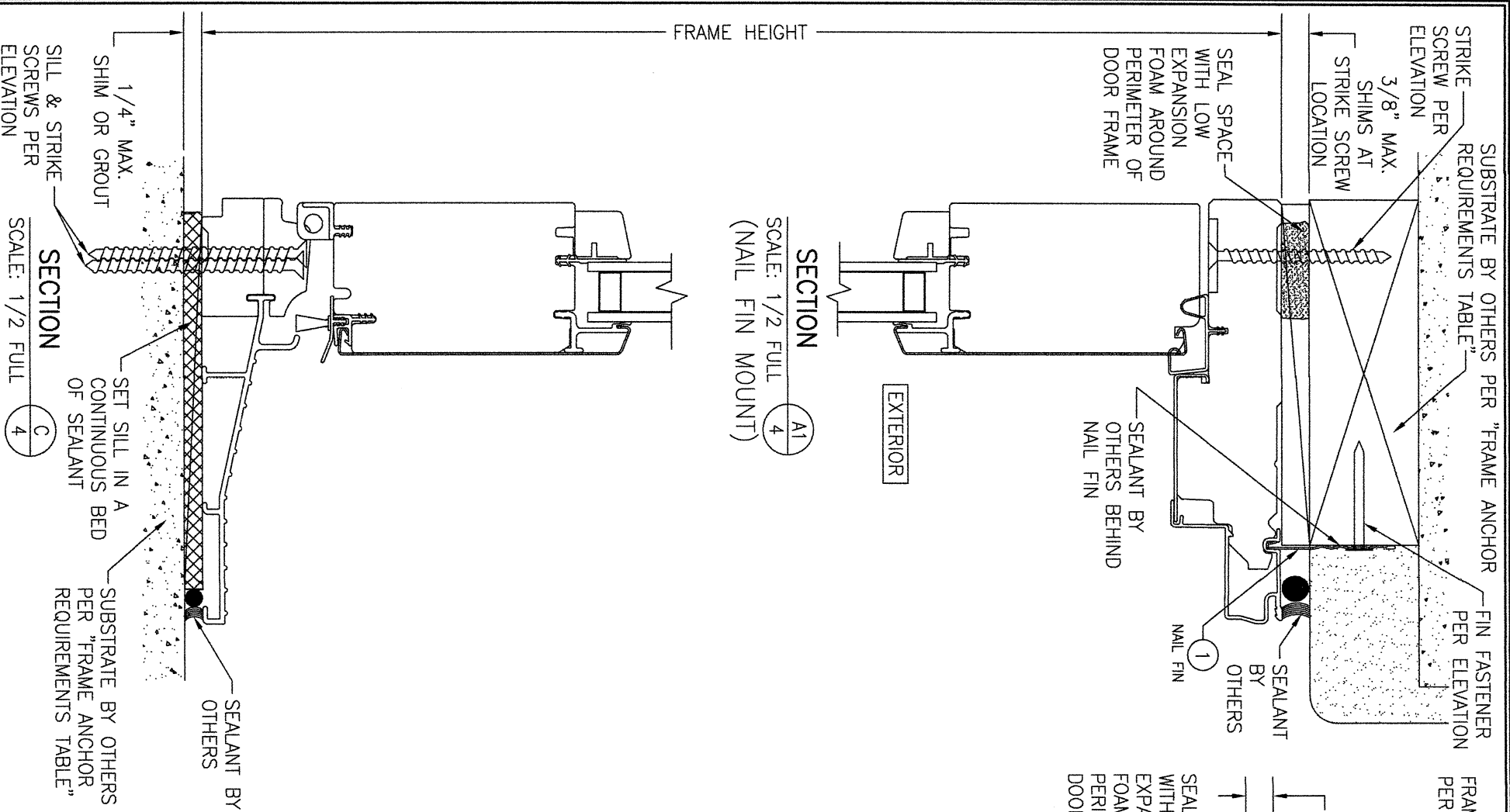
FRAME SCREWS OR INSTALLATION CLIPS WHERE SHOWN AT HEAD & SIDES. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.
NOTE: SEE "ALTERNATE 3-PIECE CLIP DETAIL" ON SHEET 7 FOR SPECIAL CONDITIONS OF 3-PIECE CLIPS.

2 FRAME SCREWS OR INSTALLATION CLIPS WHERE SHOWN AT HEAD. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.
NOTE: SEE "ALTERNATE 3-PIECE CLIP DETAIL" ON SHEET 7 FOR SPECIAL CONDITIONS OF 3-PIECE CLIPS.

INTERIOR ELEVATION:
DOUBLE XO DOOR
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION) REQUIREMENTS.



DRAWING TITLE		NO.				REVISION	DESCRIPTION	BY	DATE	PLOT: 1-24	DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
CIS01 CLAD WOOD NON-IMPACT IN-SWING HINGED DOOR												
CONSULTANTS		MANUFACTURER								DATE: 01/12/26		
V. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983		WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 800-222-2995										



DRAWN BY:		CHECKED BY:		
W.M.S.		W.M.S.		
PLOT: 1-2		DATE: 01/12/28		
NO.	REVISION	DESCRIPTION	BY	DATE

CISO1 CLAD WOOD NON-IMPACT IN-SWING HINGED DOOR

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
25601 AYSEN DRIVE
PUNTA GORDA, FL 33983

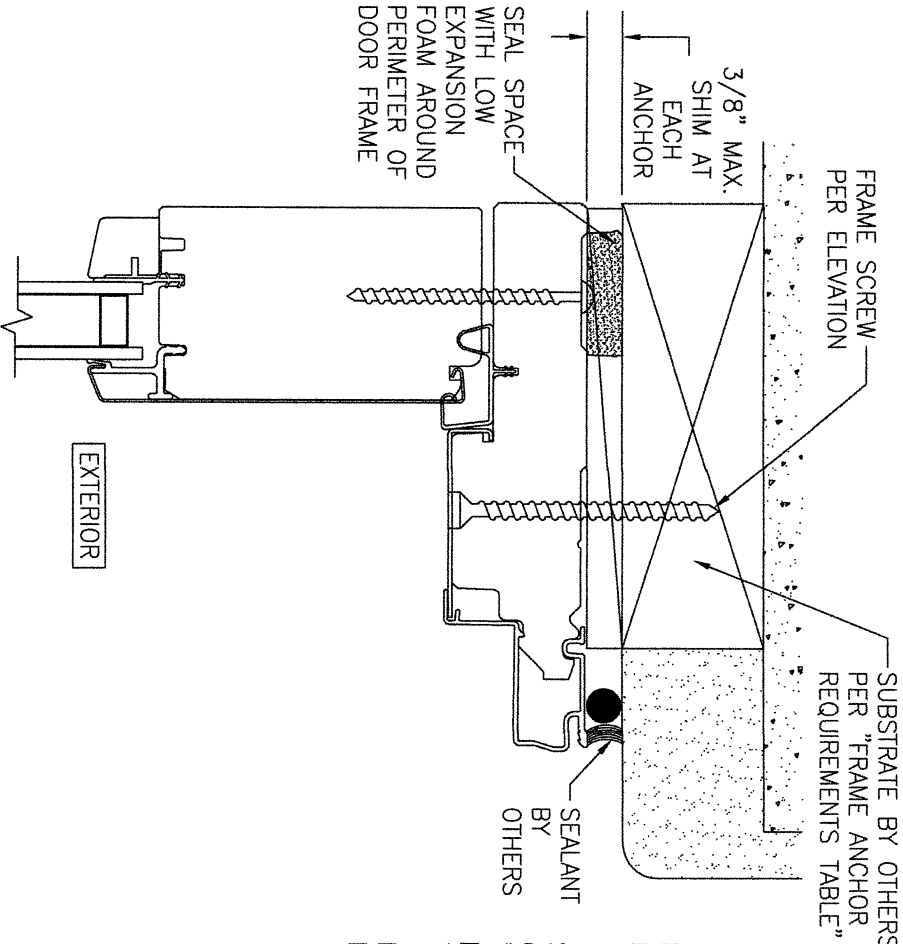
MANUFACTURER
WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
800-222-2995

CERTIFICATION

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

DRAWING NO. **2029** REV.

SHEET NO. **4** OF **8**

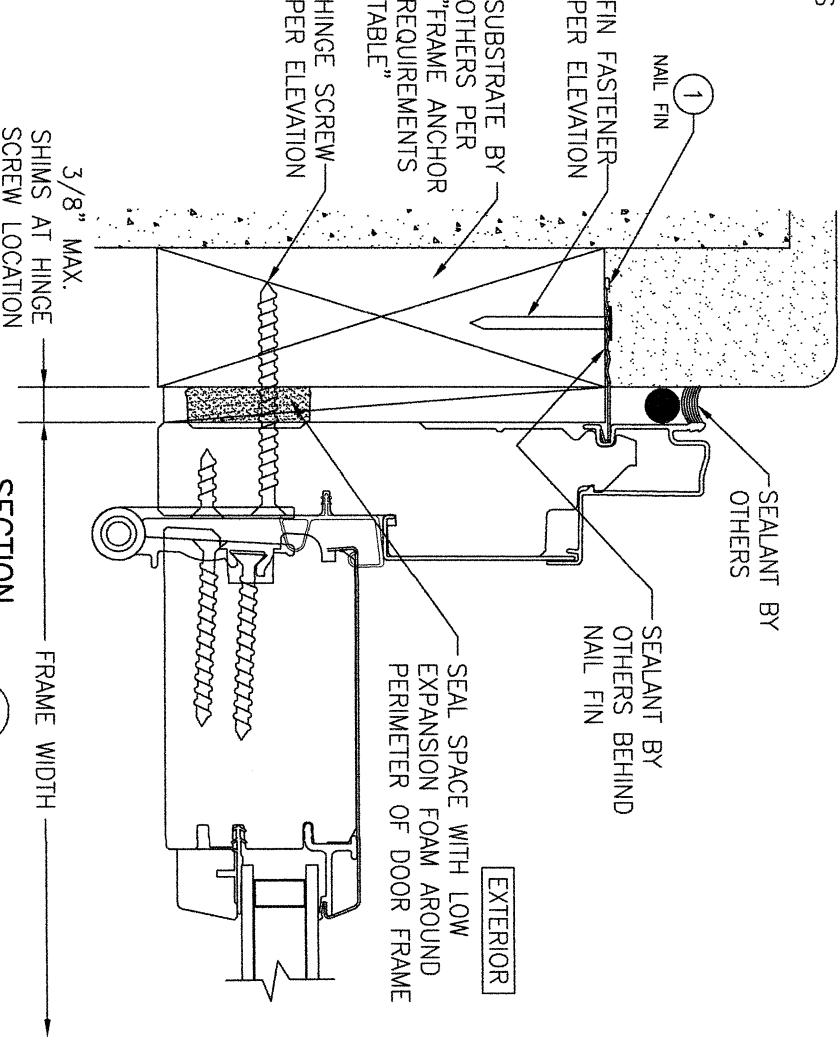


SECTION

B2
5

SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 7 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

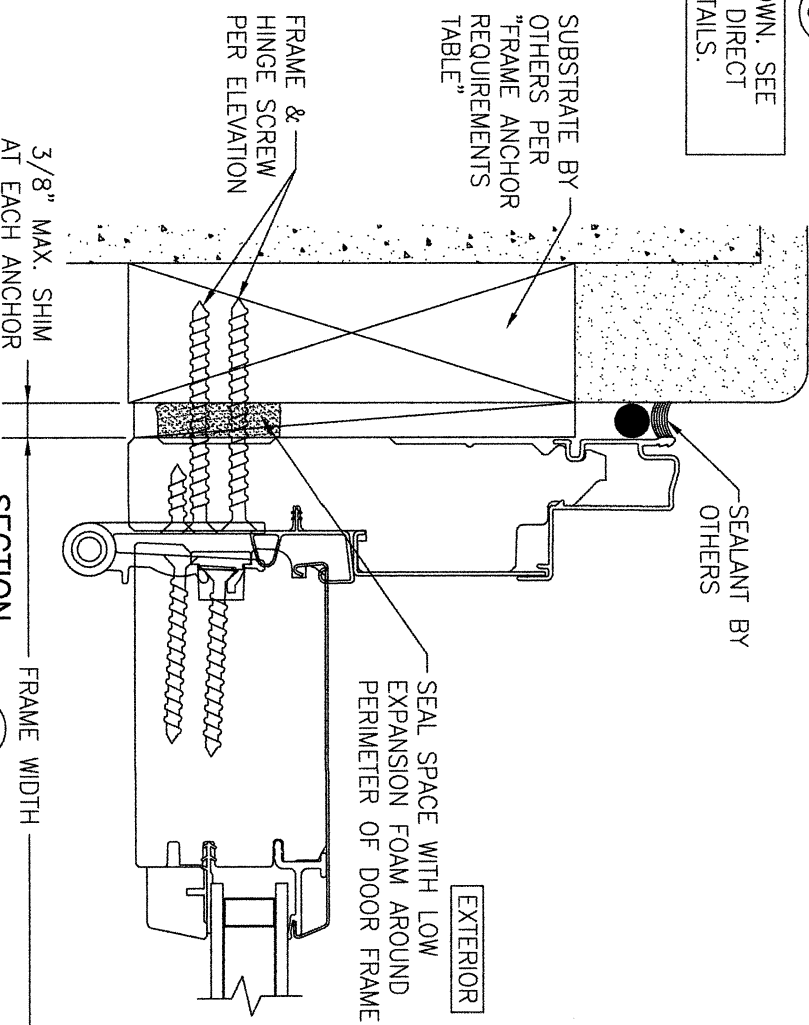


SECTION

E1
5

SCALE: 1/2 FULL

(NAIL FIN MOUNT)

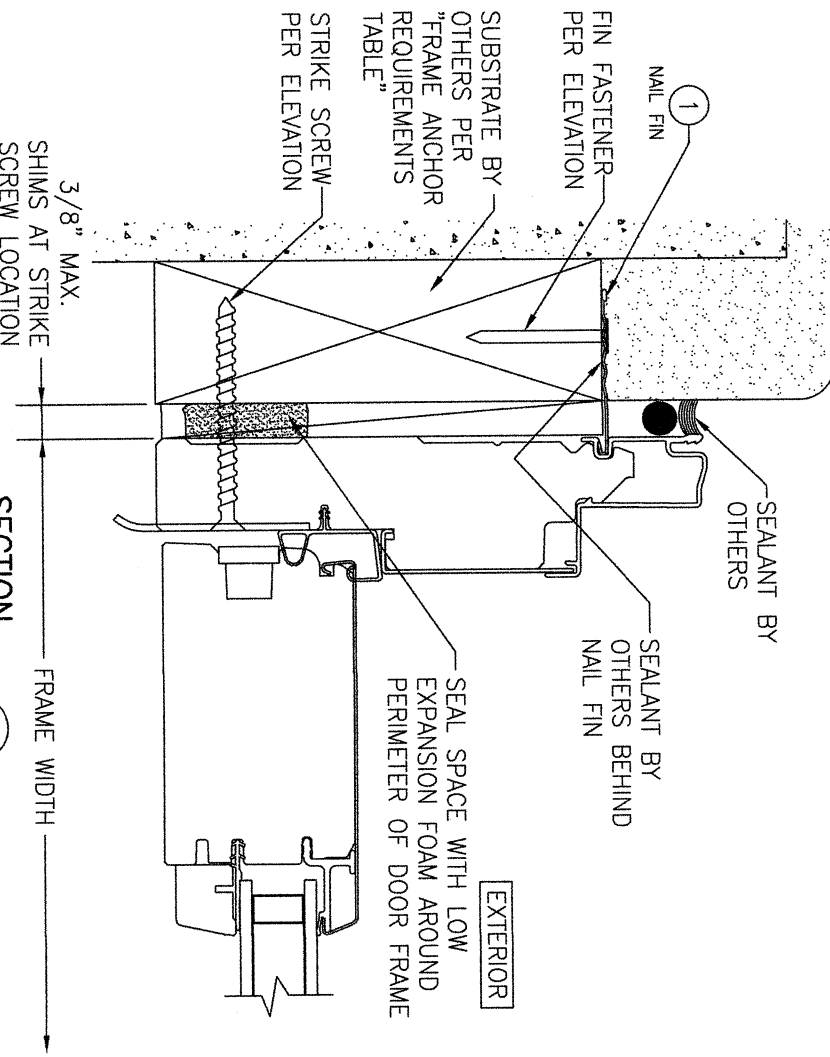


SECTION

E2
5

SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 7 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



SECTION

F1
5

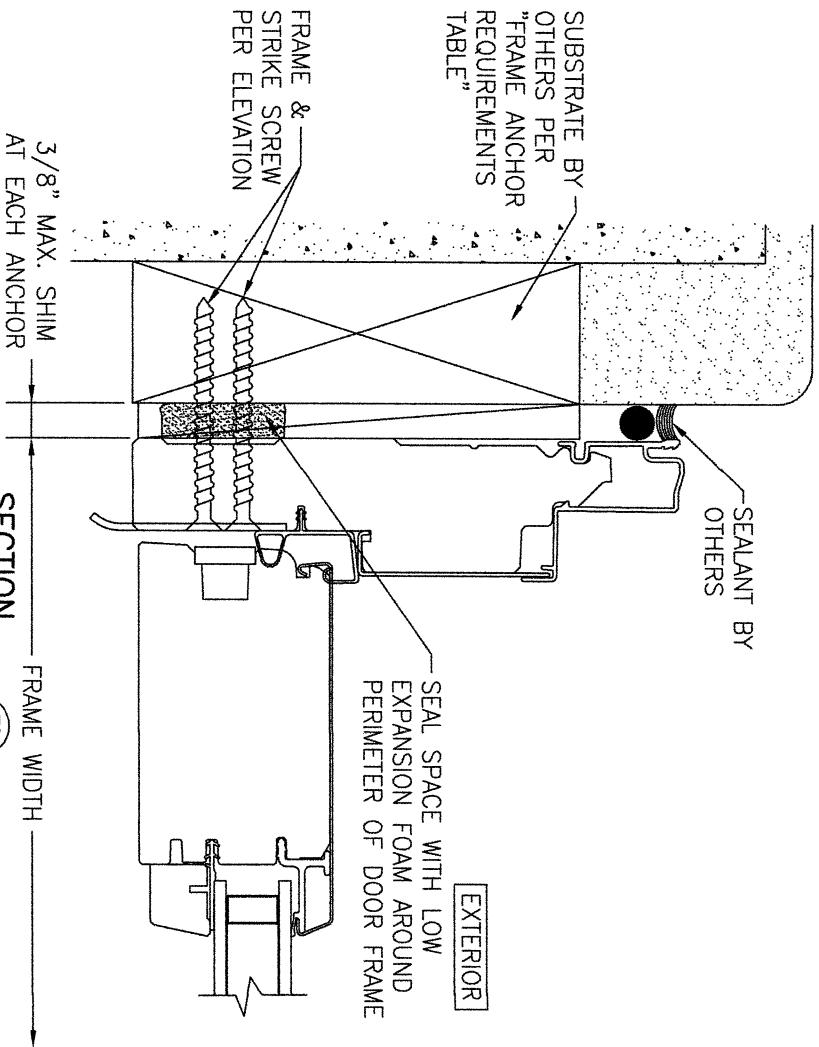
SCALE: 1/2 FULL

(NAIL FIN MOUNT)

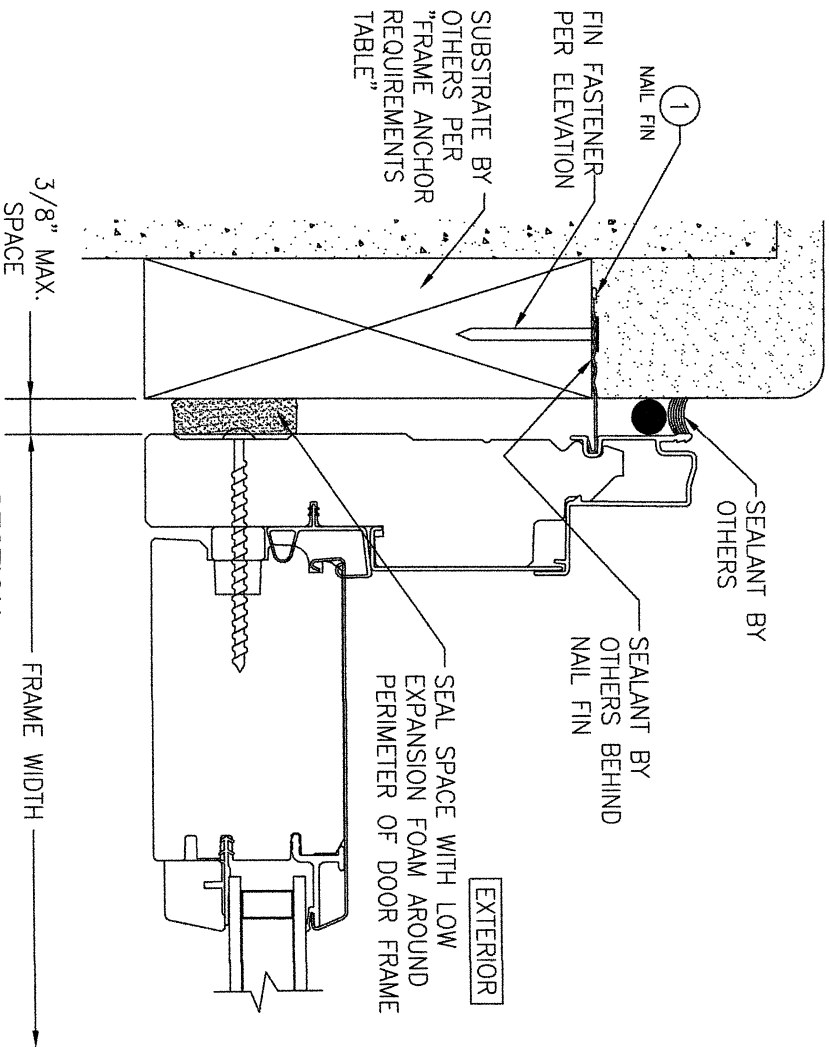
NO.	REVISION	DESCRIPTION	BY	DATE
1-2				

DRAWING TITLE		DRAWING NO.	
CIS01 CLAD WOOD NON-IMPACT IN-SWING HINGED DOOR		2029	
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		WEATHER SHIELD WINDOWS & DOORS	
25601 AYSEN DRIVE PUNTA GORDA, FL 33983		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 800-222-2995	

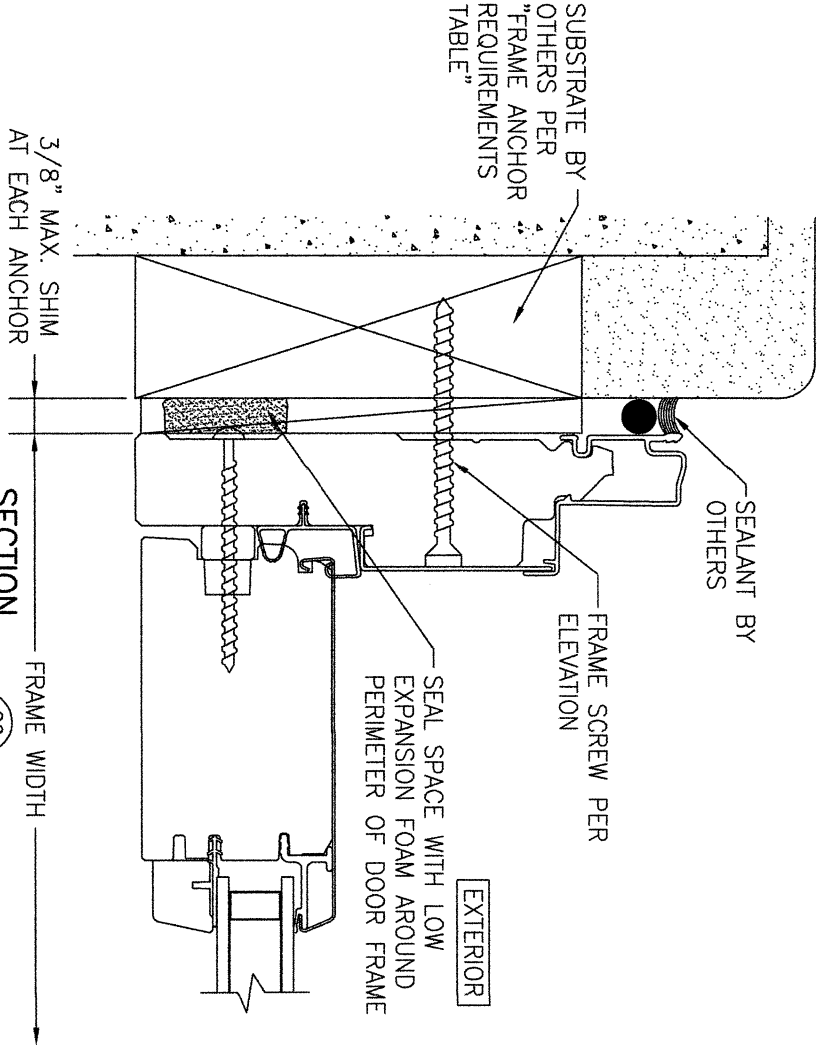
CERTIFICATION		SHEET NO.	
WARREN W. SCHAEFER, P.E. P.E. NO. 44135		5 OF 8	



FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 7 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



SCALE: 1/2 FULL
SECTION G1
(NAIL FIN MOUNT)



FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 7 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

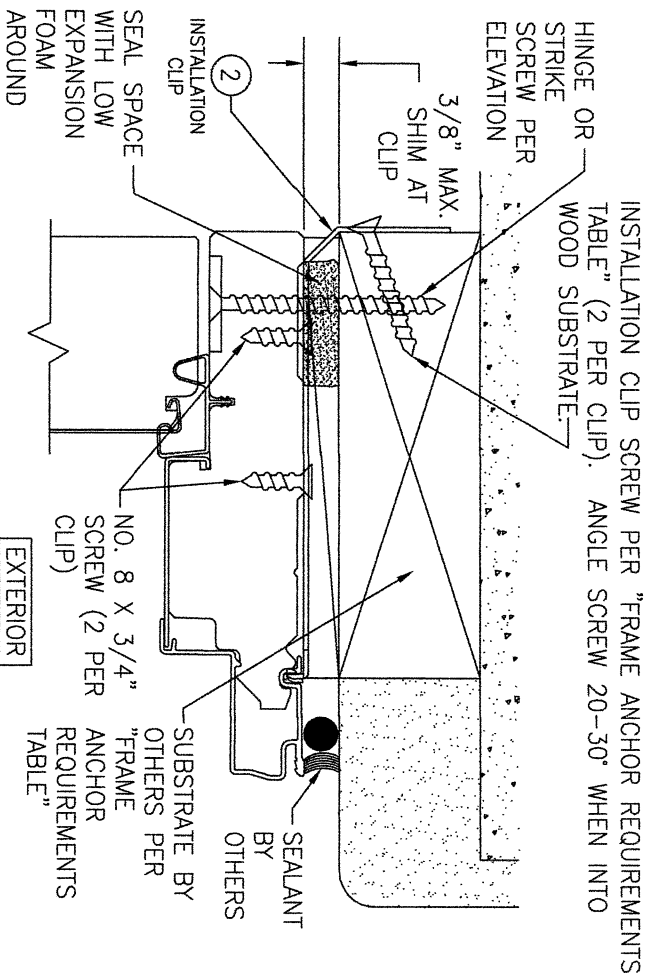
NO.	REVISION	DESCRIPTION	BY	DATE

MANUFACTURER
WEATHER SHIELD WINDOWS & DOORS
 ONE WEATHER SHIELD PLAZA
 MEDFORD, WI 54451
 800-222-2995

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
 25601 AYSEN DRIVE
 PUNTA GORDA, FL 33983

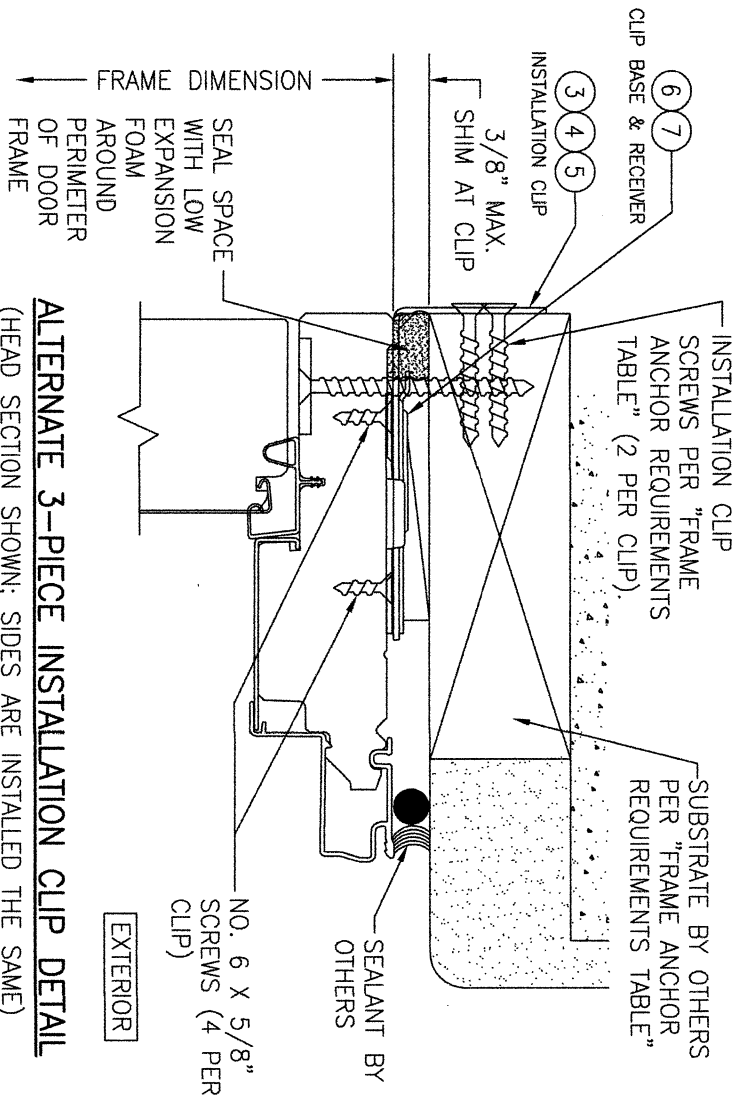
CERTIFICATION
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44-135

DRAWING NO. **2029**
 SHEET NO. **6** OF **8**



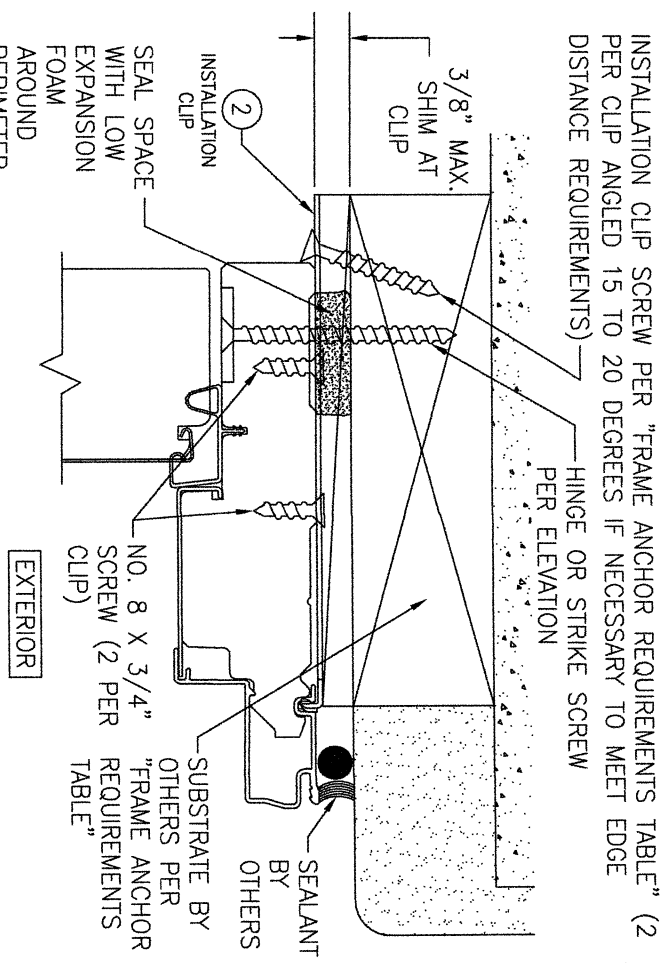
STANDARD INSTALLATION CLIP DETAIL
(BENT CLIP CONDITION)

(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
 (OPERABLE DOOR SHOWN, FIXED PANEL DOORS ALSO APPLY)
 (INSTALLATION CLIPS ARE NOT APPLICABLE AT SILL)



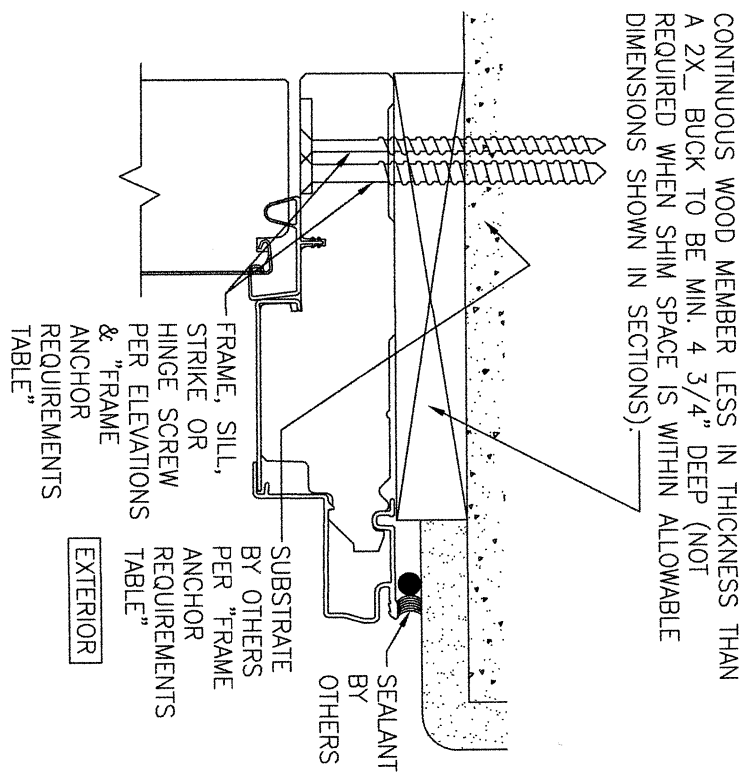
ALTERNATE 3-PIECE INSTALLATION CLIP DETAIL

(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
 (OPERABLE DOOR SHOWN, FIXED PANEL DOORS ALSO APPLY)
 (INSTALLATION CLIPS ARE NOT APPLICABLE AT SILL)
 NOTE: 3-PIECE CLIPS MAY ACT AS SPOT OR FULL REPLACEMENTS OF EITHER THE FRAME SCREWS, STANDARD BENT CLIPS OR STRAIGHT CLIPS. THEREFORE, ANY ONE OR ALL OF THE FRAME SCREWS/CLIPS SPECIFIED IN THE ELEVATION(S) MAY BE REPLACED WITH 3-PIECE CLIPS.



ALTERNATE INSTALLATION CLIP DETAIL
(STRAIGHT CLIP CONDITION)

(HEAD SECTION SHOWN; SIDES ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
 (OPERABLE DOOR SHOWN, FIXED PANEL DOORS ALSO APPLY)
 (INSTALLATION CLIPS ARE NOT APPLICABLE AT SILL)



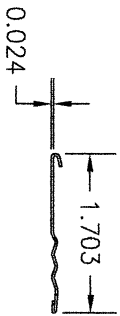
OPTIONAL DIRECT MOUNT DETAIL
TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
 (OPERABLE DOOR SHOWN, FIXED PANEL DOORS ALSO APPLY)

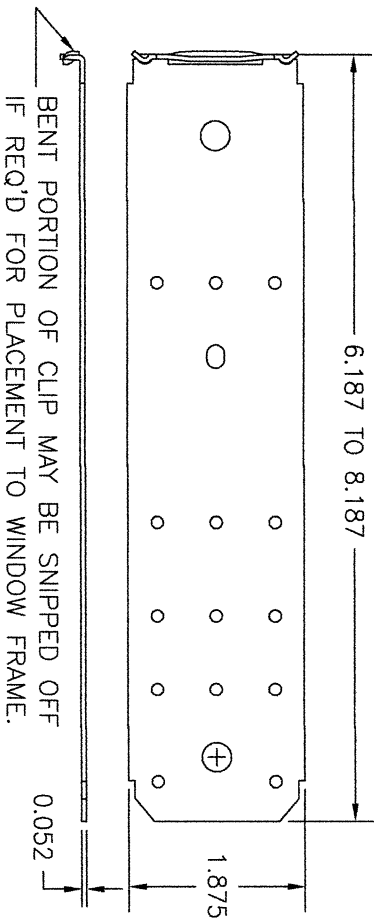
NO.	REVISION	DESCRIPTION	BY	DATE

DRAWING TITLE CIS01 CLAD WOOD NON-IMPACT IN-SWING HINGED DOOR		DRAWN BY: W.M.S.	CHECKED BY: W.M.S.
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983		MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 800-222-2995	

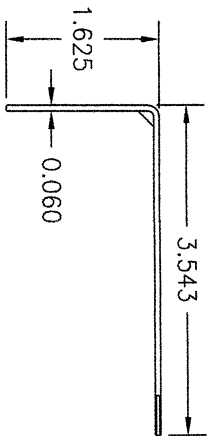
CERTIFICATION WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 2029	REV. 7
SHEET NO. 7		OF 8	



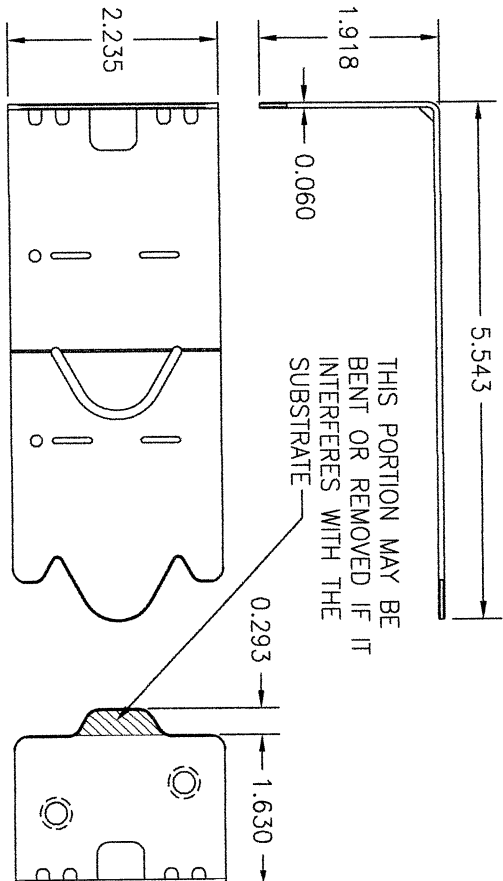
① **NAIL FIN**
(3003 H-14 ALUMINUM)



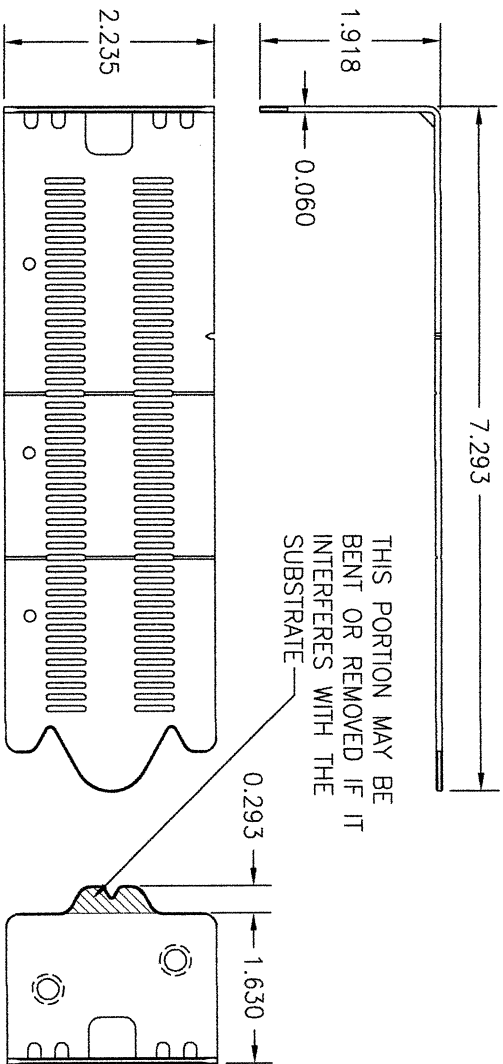
② **FRAME INSTALLATION CLIP**
(50 KSI STEEL)



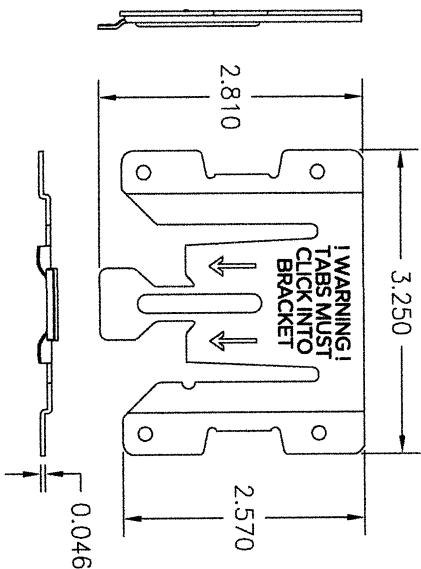
③ **FRAME INSTALLATION CLIP**
(50 KSI STEEL)
SHORT CLIP USED WITH 3-PIECE CLIP SYSTEM
(TYPICALLY USED WITH 2X4 BUCK SUBSTRATE)



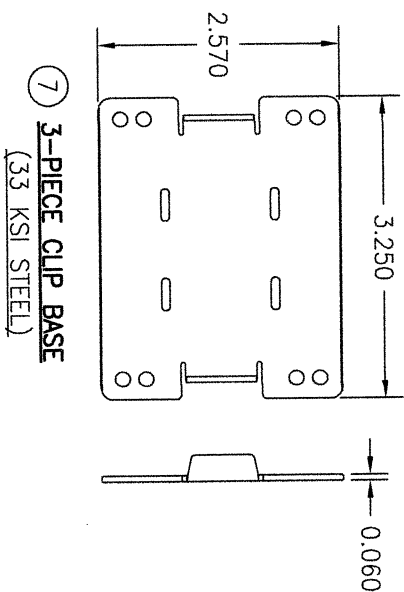
④ **FRAME INSTALLATION CLIP**
(50 KSI STEEL)
LONG CLIP USED WITH 3-PIECE CLIP SYSTEM
(TYPICALLY USED WITH 2X6 BUCK SUBSTRATE, BUT MAY ALSO BE USED WITH 2X4)



⑤ **FRAME INSTALLATION CLIP**
(50 KSI STEEL)
ADJUSTABLE CLIP USED WITH 3-PIECE CLIP SYSTEM



⑥ **3-PIECE CLIP RECEIVER**
(50 KSI STEEL)



⑦ **3-PIECE CLIP BASE**
(33 KSI STEEL)

DRAWN BY:		CHECKED BY:		
W.M.S.		W.M.S.		
DATE:		DATE:		
01/12/26				
1=2				
NO.	REVISION	DESCRIPTION	BY	DATE

DRAWING TITLE	MANUFACTURER
CIS01 CLAD WOOD NON-IMPACT IN-SWING HINGED DOOR	WEATHER SHIELD WINDOWS & DOORS
	ONE WEATHER SHIELD PLAZA
	MEDFORD, WI 54451
	800-222-2995

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
25601 AYSEN DRIVE
PUNTA GORDA, FL 33983

<u>CERTIFICATION</u>	
WARREN W. SCHAEFER, P.E.	
P.E. NO. 44135	
DRAWING NO.	REV.
2029	
SHEET NO.	
8 OF 8	