

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.

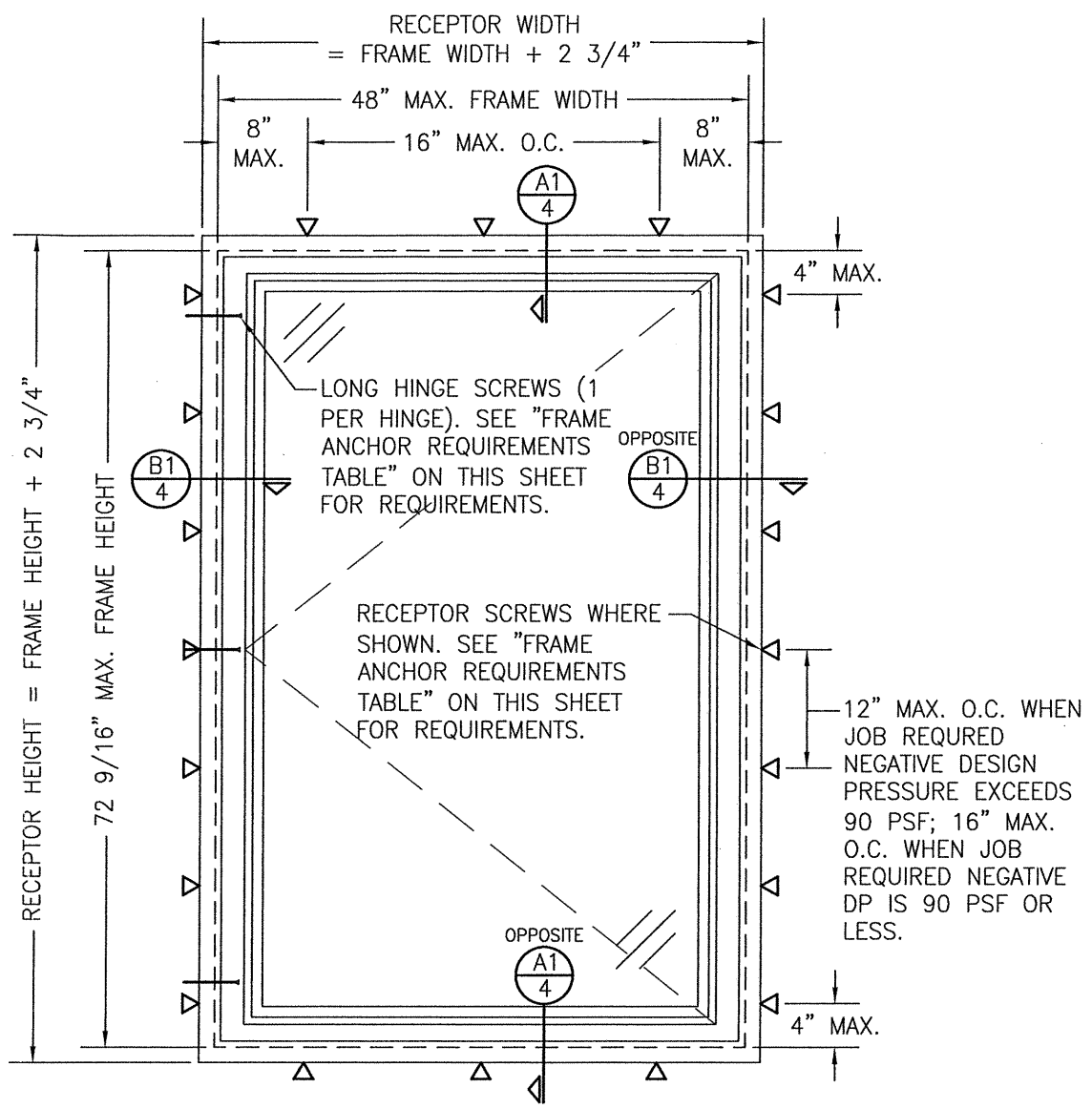
ANCHOR/SUBSTRATE EVALUATION NOTE:
ALL ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE CAPABLE OF SUPPORTING ALL LOADS IMPOSED ON THEM UNDER THE GUIDELINES OF THIS DOCUMENT. ANY SUBSTRATES OR CONDITIONS OUTSIDE OF WHAT IS SHOWN 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: SILL MAY USE FRAME SCREWS METHOD WHILE OTHER SIDES USE FIN)

FRAME ANCHOR REQUIREMENTS TABLE

(1) OPENING TYPE (SUBSTRATE)	FRAME/FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(2) FRAME, RECEPTOR & HINGE SCREWS			
MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	1 3/8"	7/8"
(4) MIN. 18 GA. 33 KSI WOOD BACKED METAL STUD	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	3/4"
MIN. 1/8" THK A36 STEEL	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 12 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CONCRETE FILLED CMU	(1) 1/4" CONCRETE SCREW	1 3/4"	2"
MIN. 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	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. 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) ALL FRAME & RECEPTOR SCREWS SHALL BE PAN HEAD OR HEX HEAD TYPE SCREWS.
- (3) ALL NAIL FIN SCREWS SHALL BE FLAT HEAD, PAN HEAD OR HEX HEAD TYPE SCREWS.
- (4) METAL STUD FRAMING SHALL BE BACKED WITH A MINIMUM 2X WOOD MEMBER. ANCHORS SHALL PENETRATE EACH THE STUD AND FULL THICKNESS OF THE 2X WOOD MEMBER.



EXTERIOR ELEVATION:
SINGLE CASEMENT WINDOW
SCALE: 3/4" = 1'-0"
(RECEPTOR MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE
(INDIVIDUAL & COMBINED UNITS)
+80/-120 PSF

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.

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.

PLOT:
1=16

DATE:
06/11/20

DATE					
BY					
REVISION DESCRIPTION					
NO.					

DRAWING TITLE
G501 ALUMINUM IMPACT IN-SWING CASEMENT WINDOWS

MANUFACTURER
PEERLESS PRODUCTS, INC.
2403 SOUTH MAIN
FT. SCOTT, KS 66701
866-420-4000

CONSULTANTS
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION
JUL 22 2020

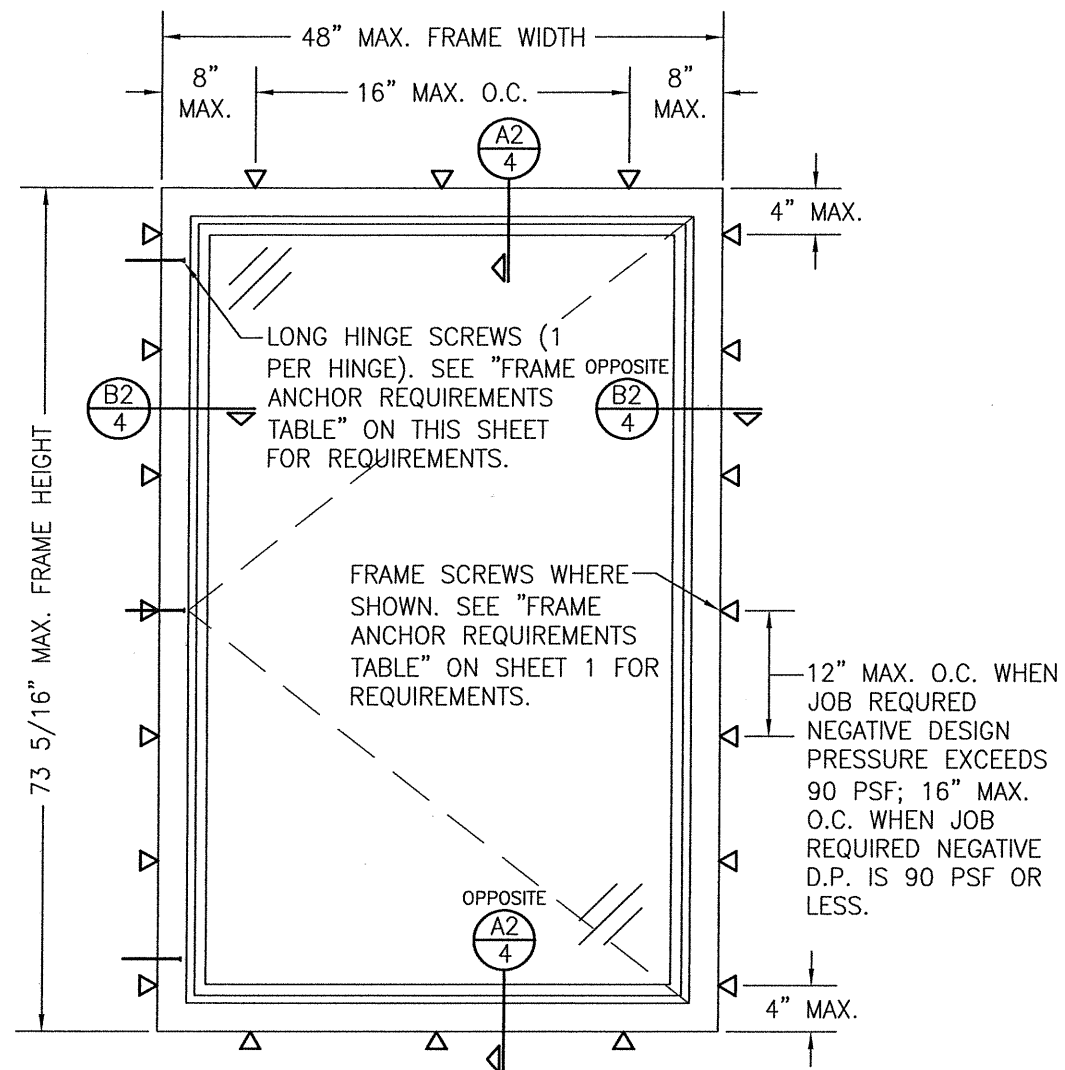
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.
1978

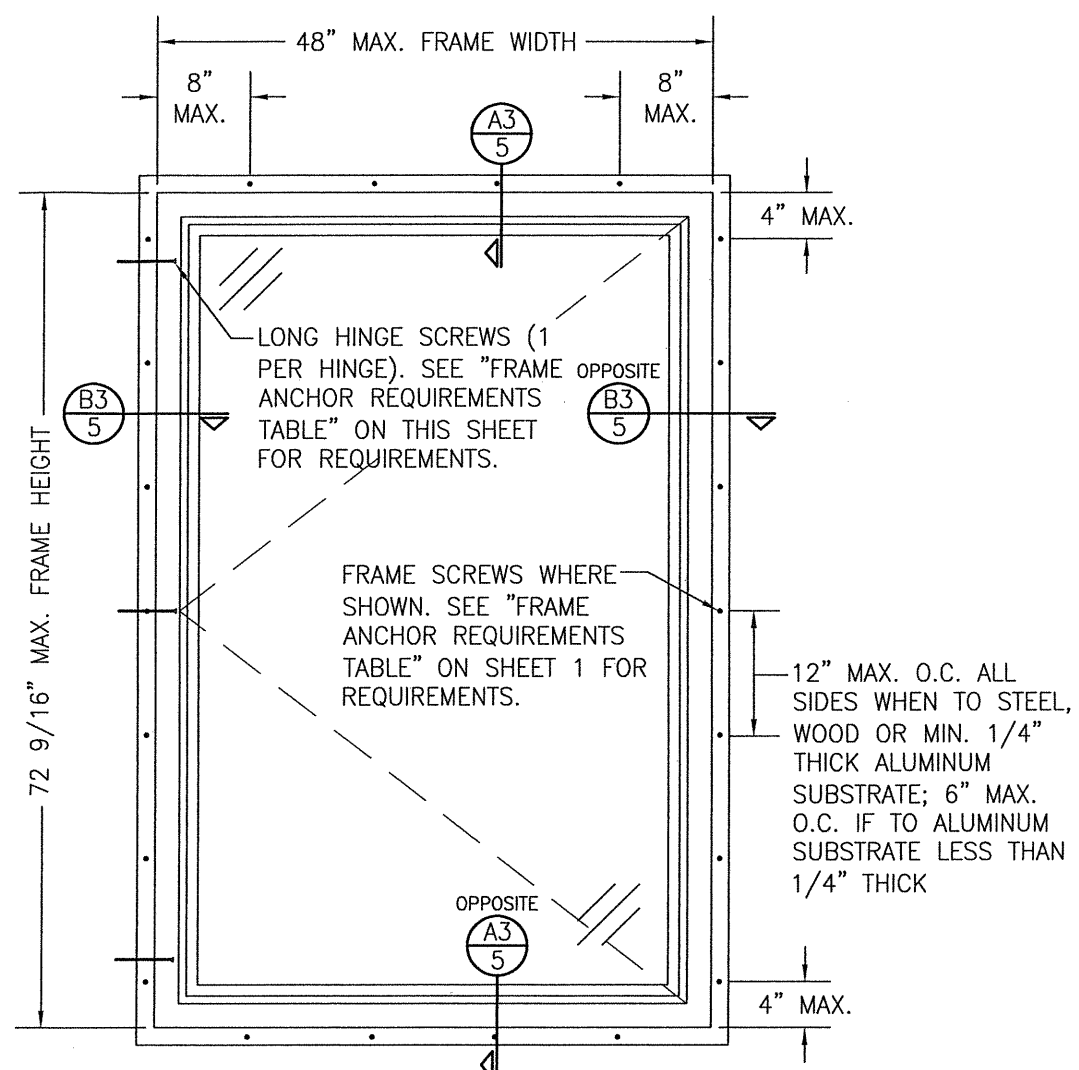
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SHEET NO.
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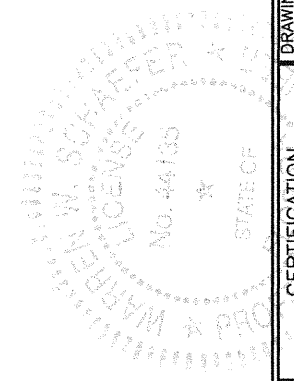
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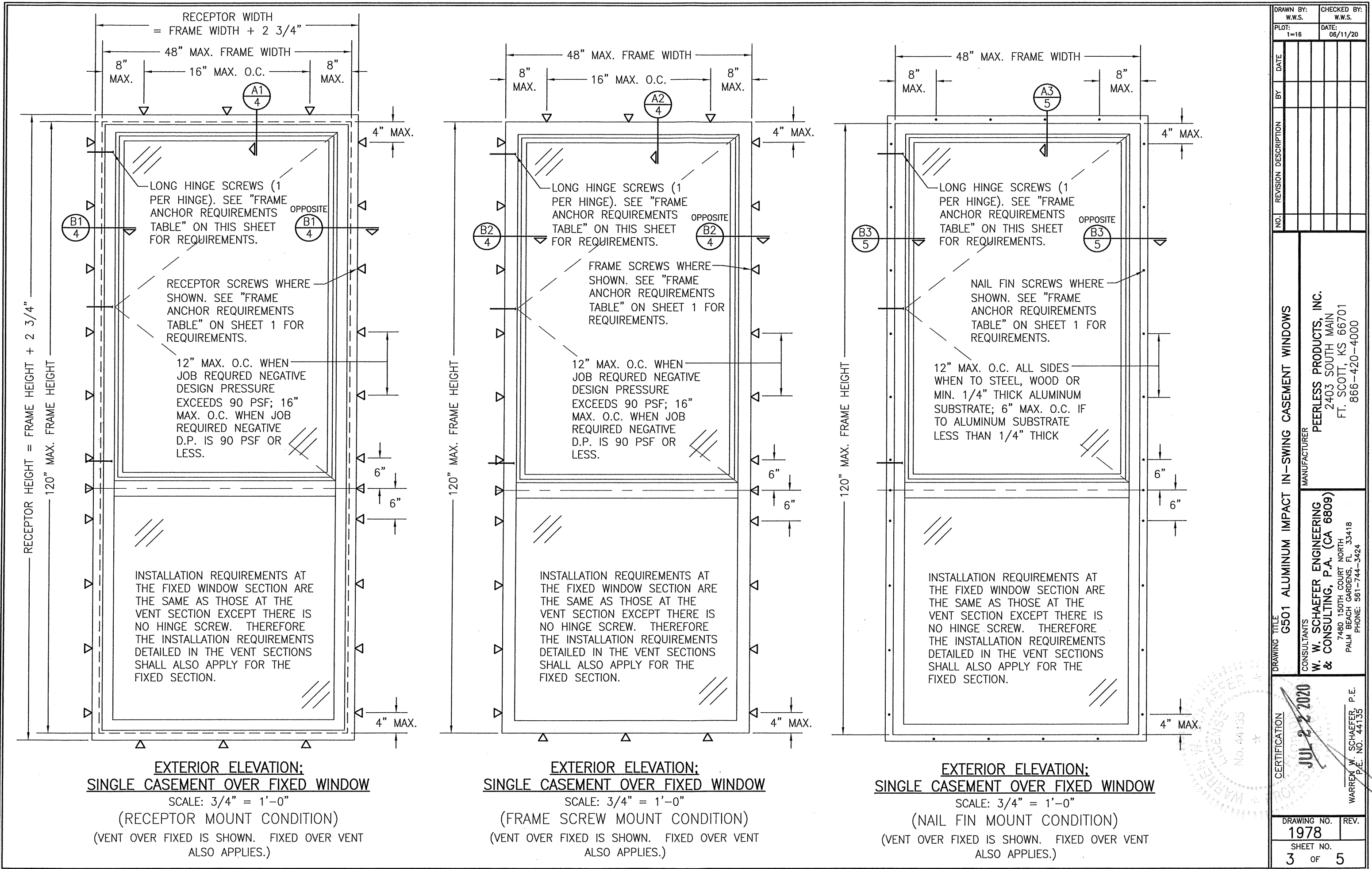
**EXTERIOR ELEVATION:
SINGLE CASEMENT WINDOW**
SCALE: 3/4" = 1'-0"
(FRAME SCREW MOUNT CONDITION)



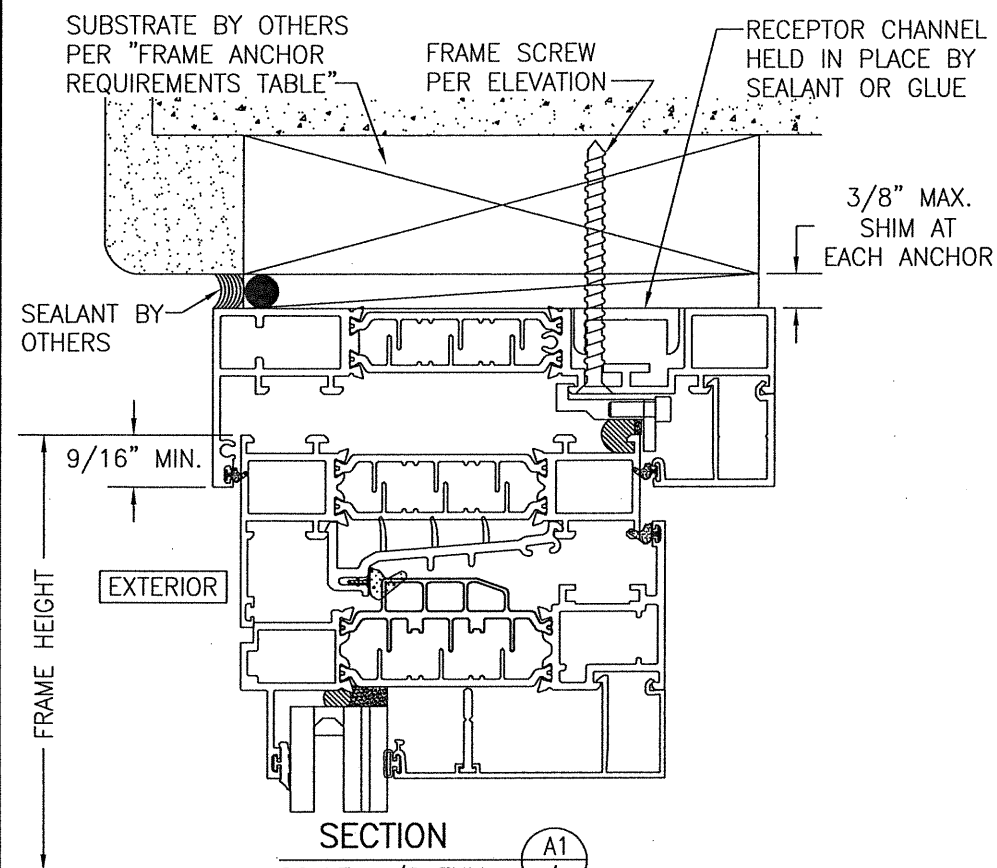
**EXTERIOR ELEVATION:
SINGLE CASEMENT WINDOW**
SCALE: 3/4" = 1'-0"
(NAIL FIN MOUNT CONDITION)



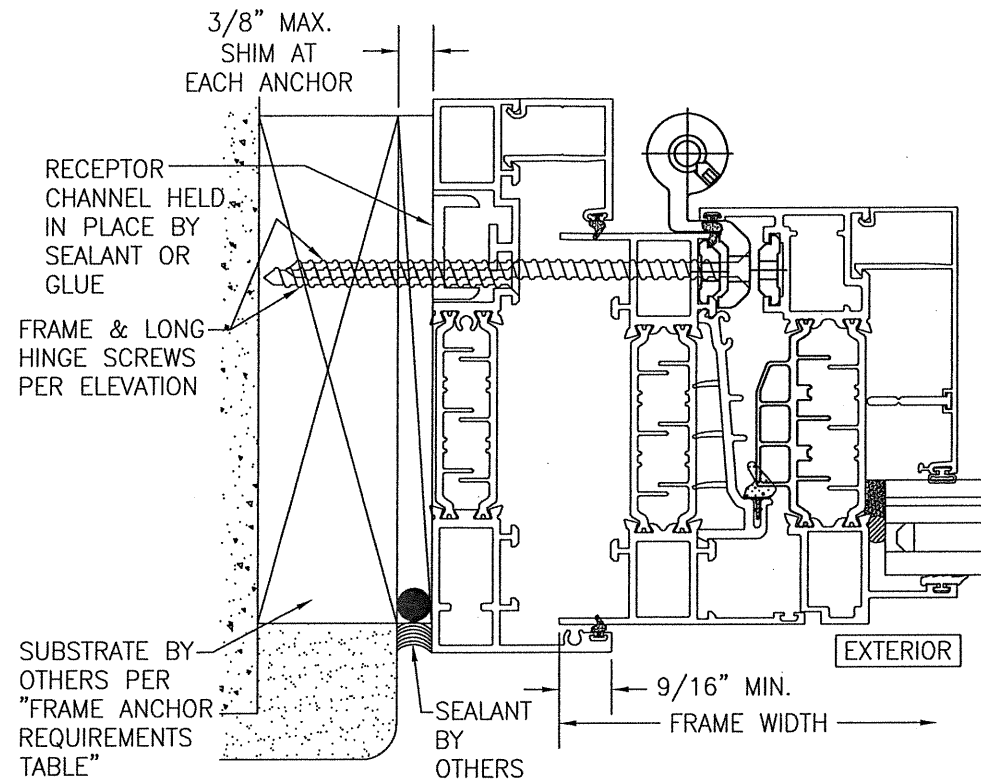
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NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE G501 ALUMINUM IMPACT IN-SWING CASEMENT WINDOWS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER PEERLESS PRODUCTS, INC. 2403 SOUTH MAIN FT. SCOTT, KS 66701 866-420-4000	
CERTIFICATION JUL 22 2020 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1978	
SHEET NO. 2 OF 5		REV.	



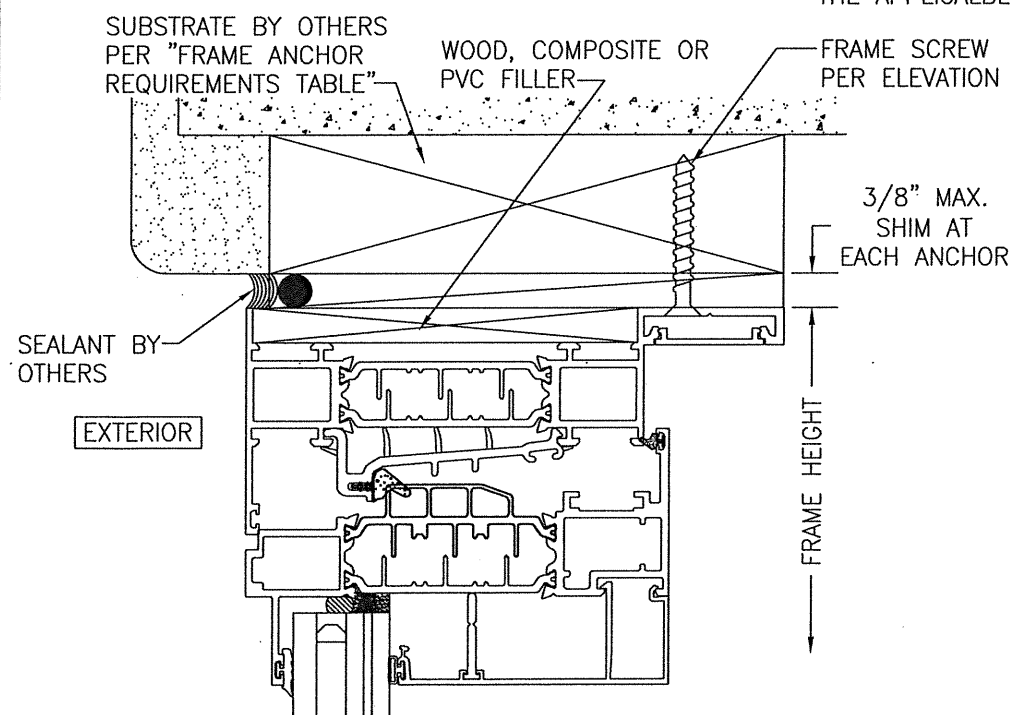
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CERTIFICATION  WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1978		REV.	
SHEET NO. 3 OF 5			



SECTION A1
SCALE: 1/2 FULL
(RECEPTOR MOUNT)

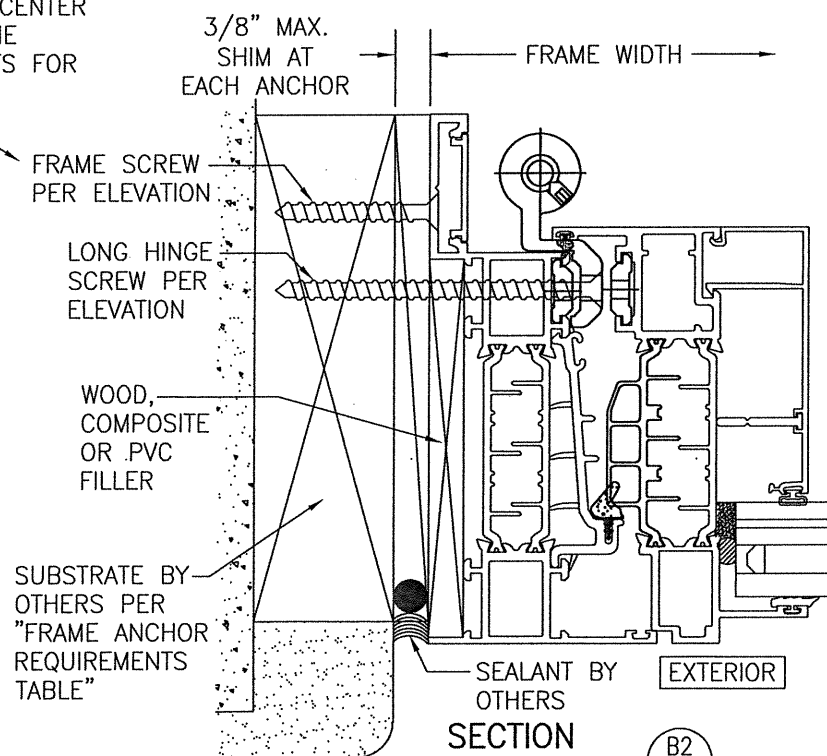


SECTION B1
SCALE: 1/2 FULL
(RECEPTOR MOUNT)

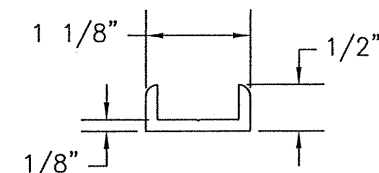


SECTION A2
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)

NOTE: SCREW POSITION MAY BE AT THE CENTER OF THE SCREW CHANNEL IF IT MEETS THE SUBSTRATE EDGE DISTANCE REQUIREMENTS FOR THE APPLICABLE SUBSTRATE.

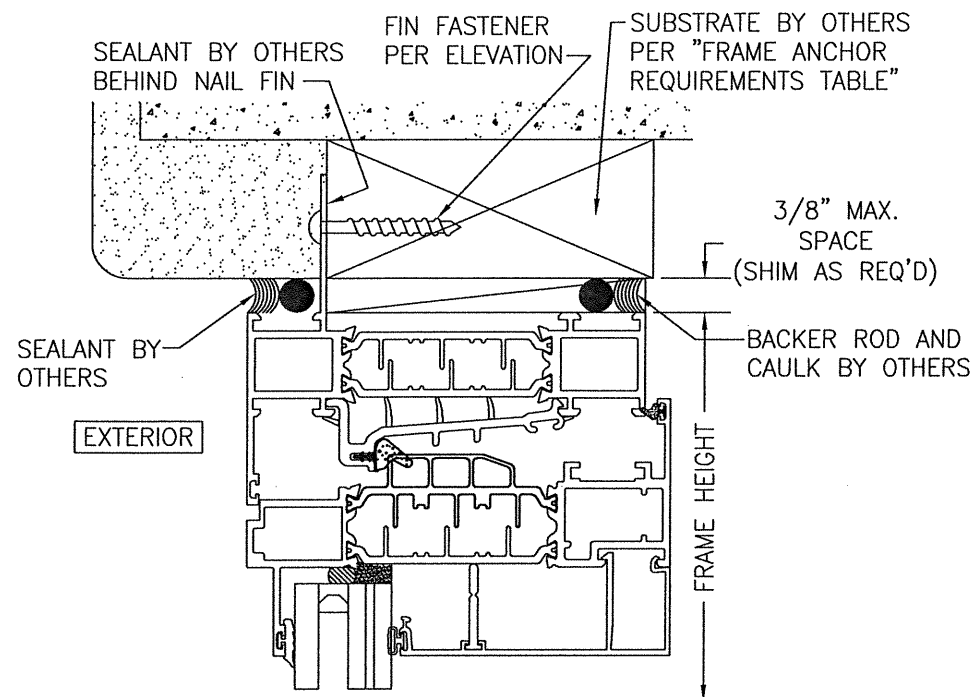


SECTION B2
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)

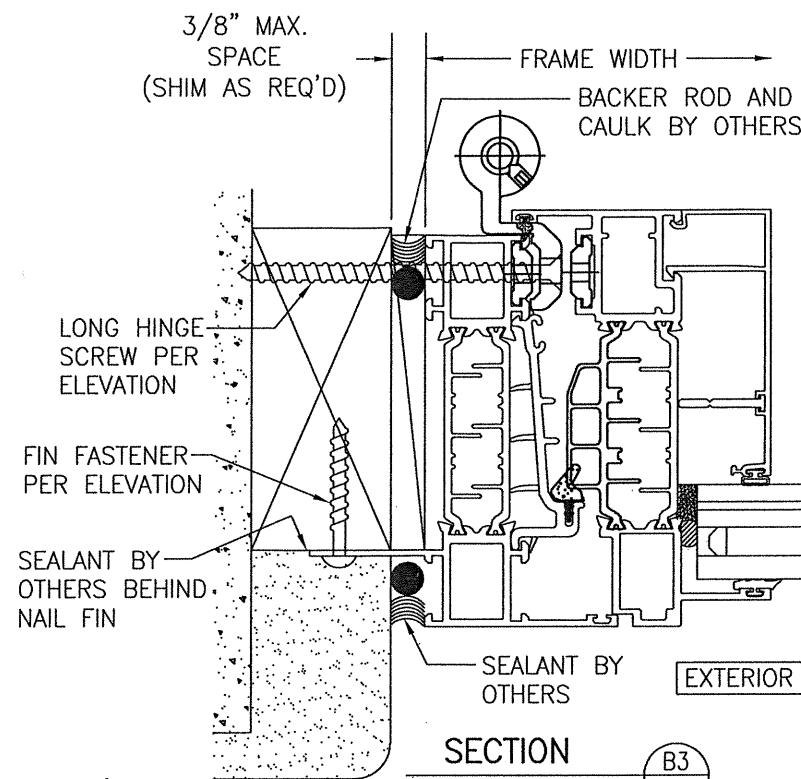


RECEPTOR CHANNEL
6063-T5 ALUMINUM
(MAY BE SOLID PVC OR ALUMINUM AS AN OPTION)

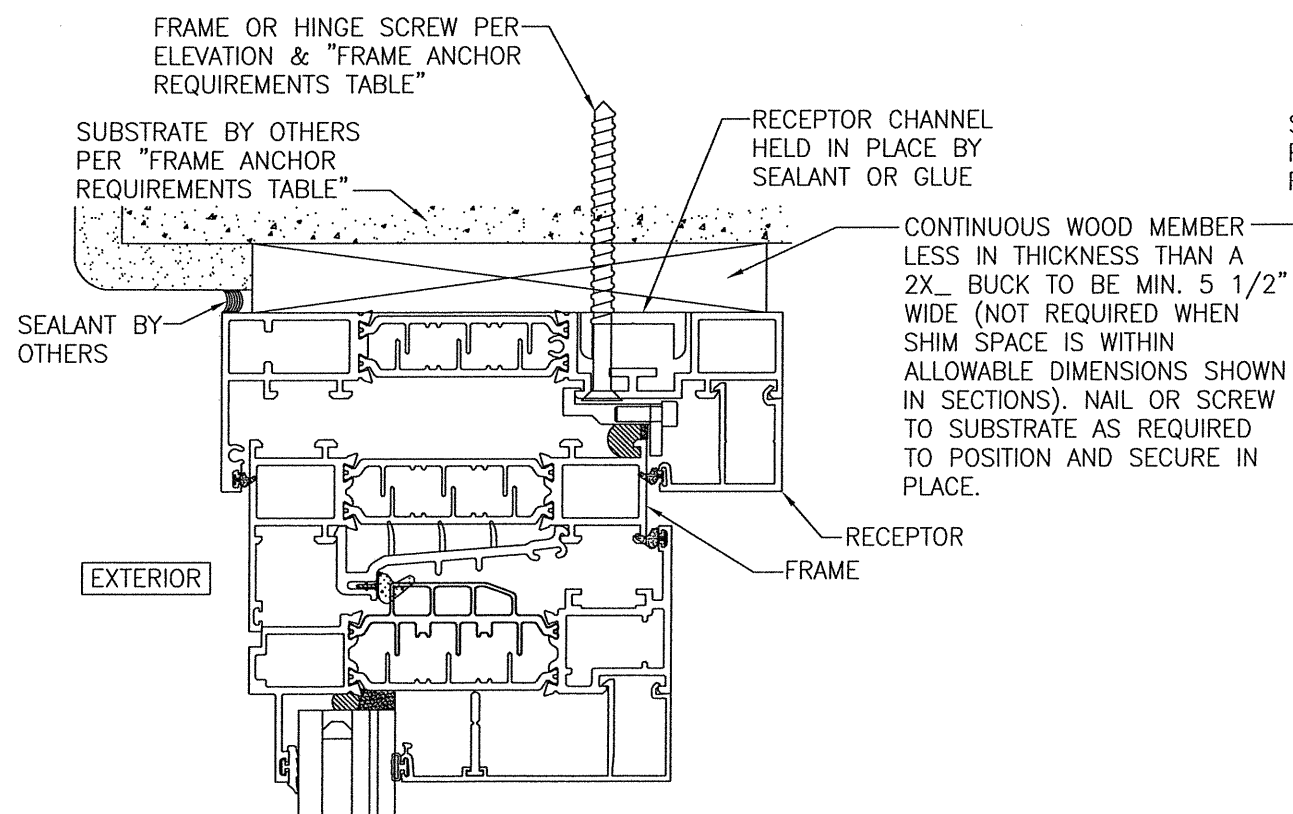
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SHEET NO. 4 OF 5			



SECTION A3
SCALE: 1/2 FULL
(NAIL FIN MOUNT)

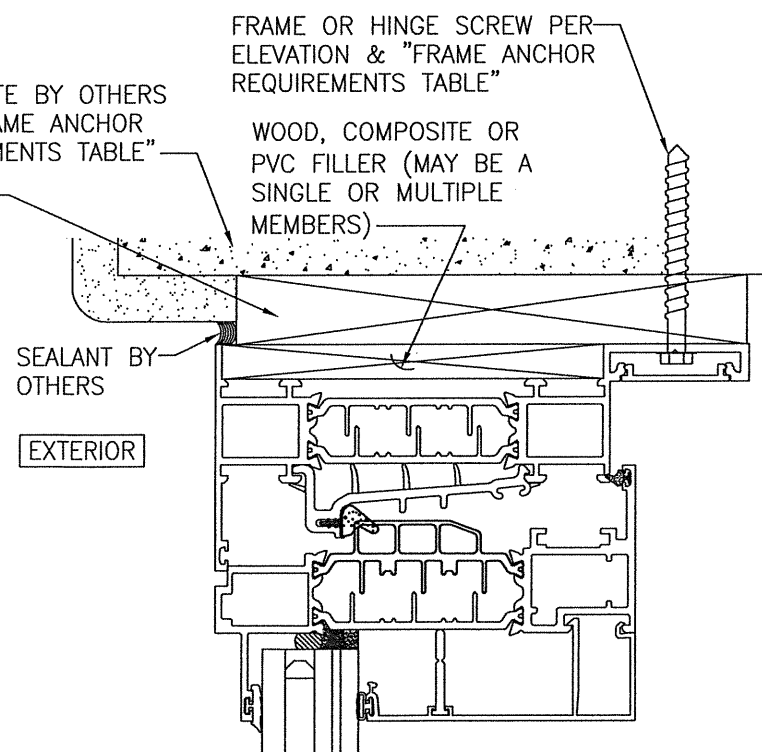


SECTION B3
SCALE: 1/2 FULL
(NAIL FIN MOUNT)



OPTIONAL DIRECT MOUNT DETAIL
TO SUBSTRATE WITH SPACER
(RECEPTOR MOUNT)

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL DIRECT MOUNT DETAIL
TO SUBSTRATE WITH SPACER
(FRAME SCREW MOUNT)

(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

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CERTIFICATION JUL 22 2020	
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