

**GENERAL NOTES:**

- ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
- OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
- THESE NON-IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC).
- ALL ANCHORS SECURING PRODUCT FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
- TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS CERTIFIED & QUALITY ASSURED BY A NATIONALLY ACCREDITED CERTIFICATION/QA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH CERTIFICATION/QA ENTITIES SPECIFICATIONS. PRODUCT ASSEMBLY IS NOT PART OF THIS DRAWING AND SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
- CERTIFICATION OF THESE PRODUCT INSTALLATIONS SHALL BE CONSIDERED VOID IF ANY OF THE FOLLOWING APPLY: 1) THEY ARE INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT. 2) IF THEY ARE INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH WINDOW/DOOR INSTALLATIONS. 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.
- THE LEAST DESIGN PRESSURE SPECIFIED EITHER IN THIS DRAWING OR IN THE PRODUCTS CERTIFICATION SHALL CONTROL FOR THE INSTALLED PRODUCT.
- 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 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, 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.

**INSTALLATION NOTE:**

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

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.
PLLOT: 1=24	DATE: 02/07/20
NO.	NO.
REVISION DESCRIPTION	DATE
BY	BY

**FRAME ANCHOR REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	FRAME/SILL/RETAINER/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) FRAME & SILL SCREWS			
(4) MIN. 2X_ 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	(2) 1/4" CONCRETE SCREW	1 1/4"	2"

**ROLLER RETAINER SCREWS**

(4) MIN. 2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
2500 PSI CONCRETE	(2) 3/16" CONCRETE SCREW	1 1/4"	2"

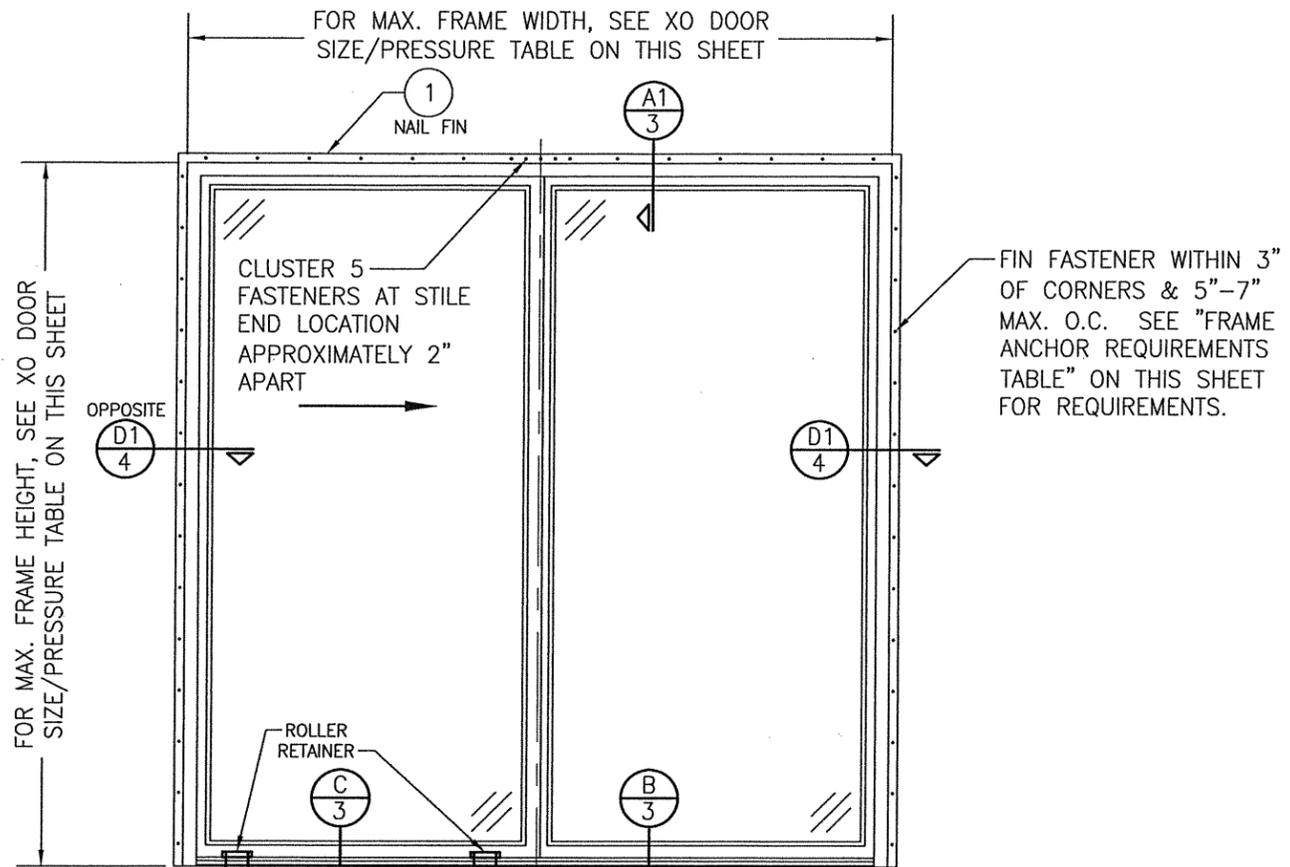
**(3) NAILING FIN FASTENERS**

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

- FRAME SCREWS SHALL BE A PAN OR HEX HEAD SCREW.
- 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.).
- WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.
- 2X\_ BUCKS SHALL BE OF A MINIMUM DEPTH REQUIRED TO MEET ANCHOR EDGE DISTANCE REQUIREMENTS BUT NO LESS THAN 4 1/4.

**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.



RETAINER SCREWS INTO SUBSTRATE (2 PER RETAINER). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

**EXTERIOR ELEVATION:  
XO DOOR**  
SCALE: 1/2" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

SILL SCREWS (3 WHERE SHOWN). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS.

**ALLOWABLE XO DOOR SIZE/PRESSURE TABLE**

PANEL RETAINER KIT OPTION	MAXIMUM FRAME WIDTH DIMENSION (IN.)	MAXIMUM FRAME HEIGHT DIMENSION (IN.)	ALLOWABLE PRESSURE (+/- PSF)
HP	95 1/2	95 1/2	35
STANDARD	95 1/2	95 1/2	30
HP	71 1/2	81 1/2	50
STANDARD	71 1/2	81 1/2	45

DRAWING TITLE: IMPERVIA NON-IMPACT SLIDING DOOR

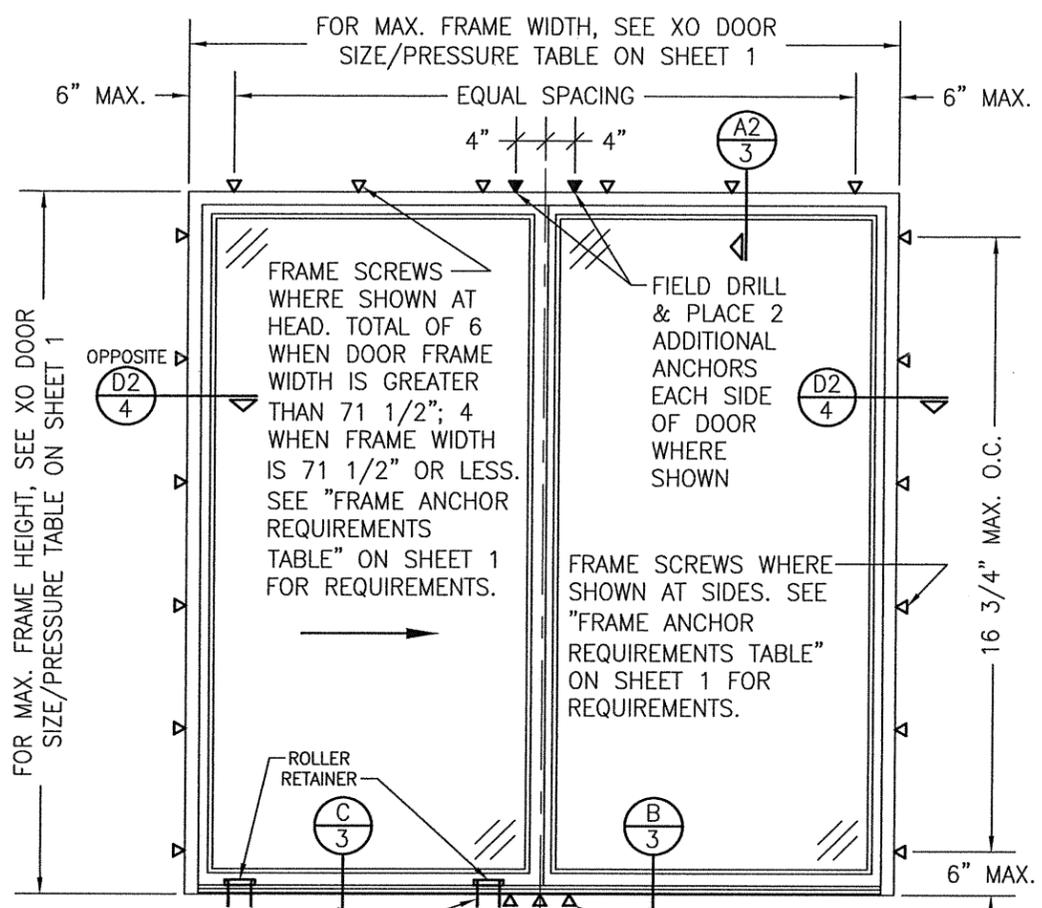
CONSULTANTS:  
**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980)**  
7480 150TH COURT NORTH, 33418  
PALM BEACH GARDENS, FL  
PHONE: 561-744-3424

JOB INFORMATION:  
**PELLA CORPORATION**  
102 MAIN STREET  
PELLA, IA 50219  
641-621-1000



CERTIFICATION  
LICENSED PROFESSIONAL ENGINEER  
WARREN W. SCHAEFER, P.E.  
P.E. NO. 113497

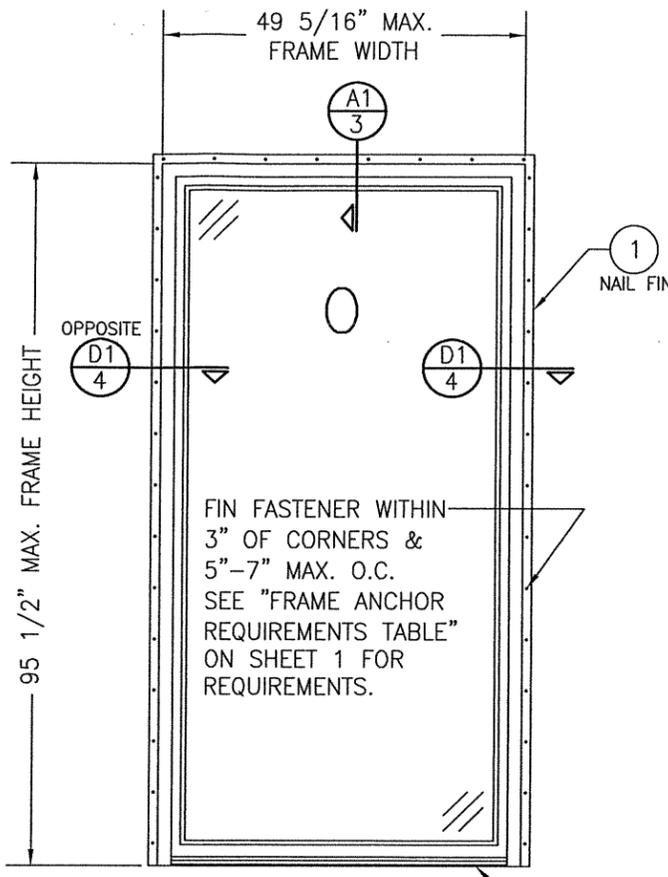
DRAWING NO. 1658T  
SHEET NO. 1 OF 4



RETAINER SCREWS INTO SUBSTRATE (2 PER RETAINER). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS.

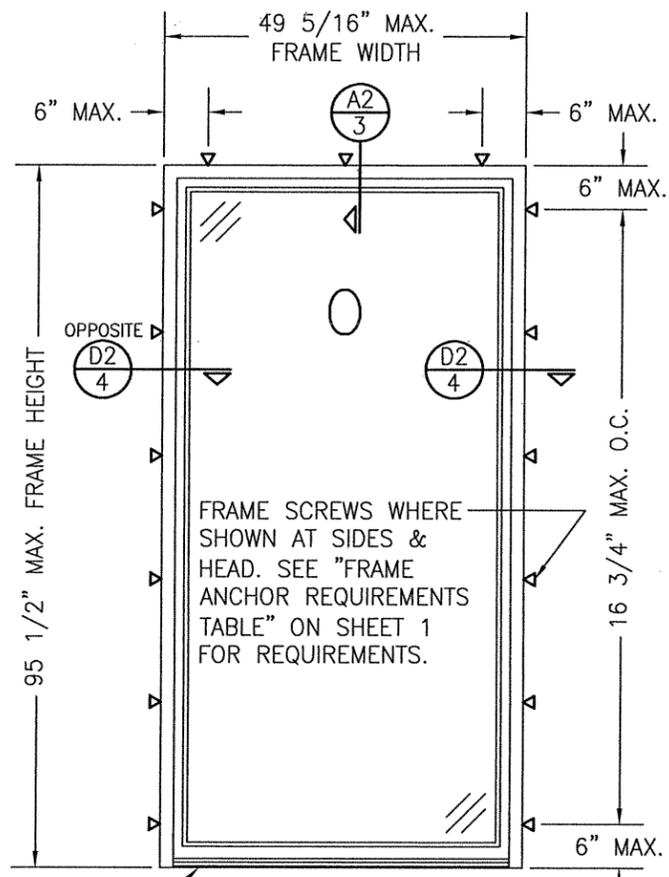
**EXTERIOR ELEVATION:  
XO DOOR**  
SCALE: 1/2" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

SILL SCREWS (3 WHERE SHOWN). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.



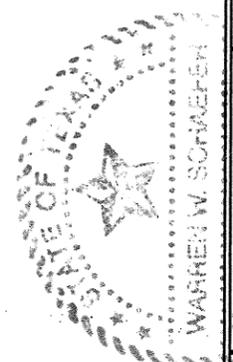
**EXTERIOR ELEVATION:  
O DOOR**  
SCALE: 1/2" = 1'-0"  
(NAIL FIN MOUNT CONDITION)

THOROUGHLY CLEAN SILL & SET THRESHOLD IN A CONTINUOUS BED OF STRUCTURAL ADHESIVE (PL POLYURETHANE PREMIUM CONSTRUCTION ADHESIVE OR EQUAL)

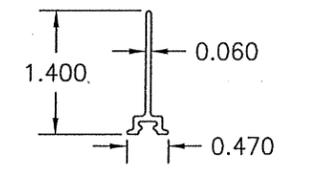
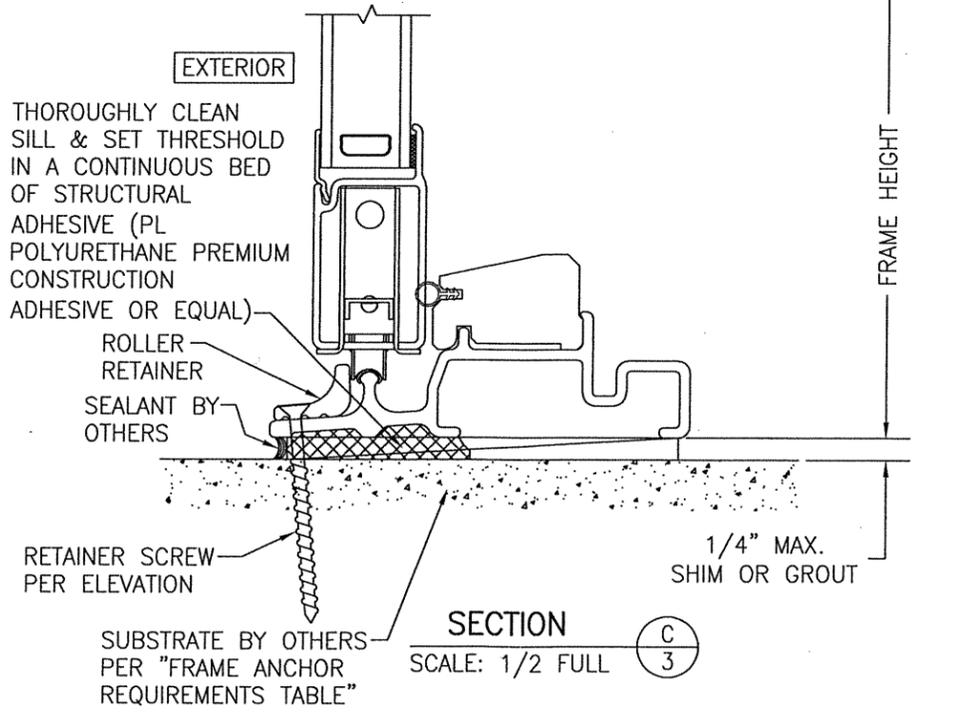
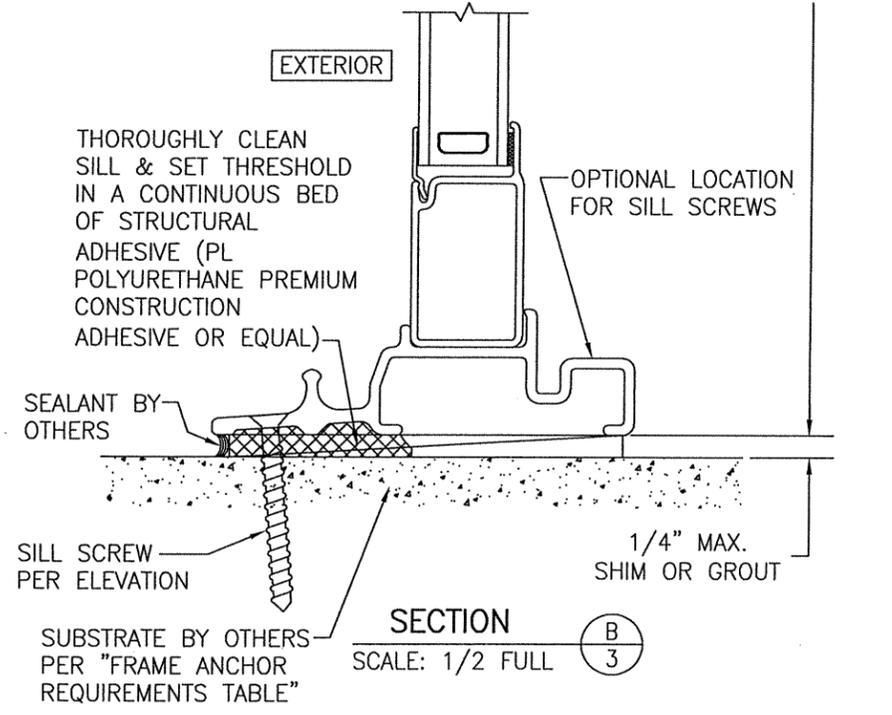
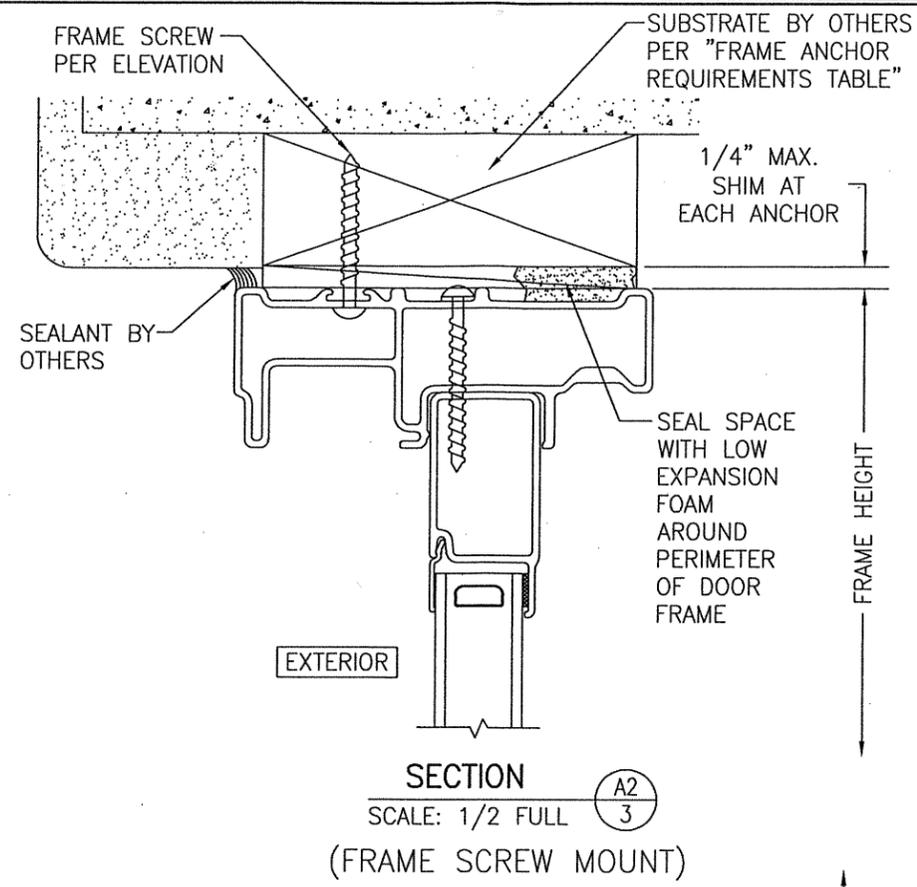
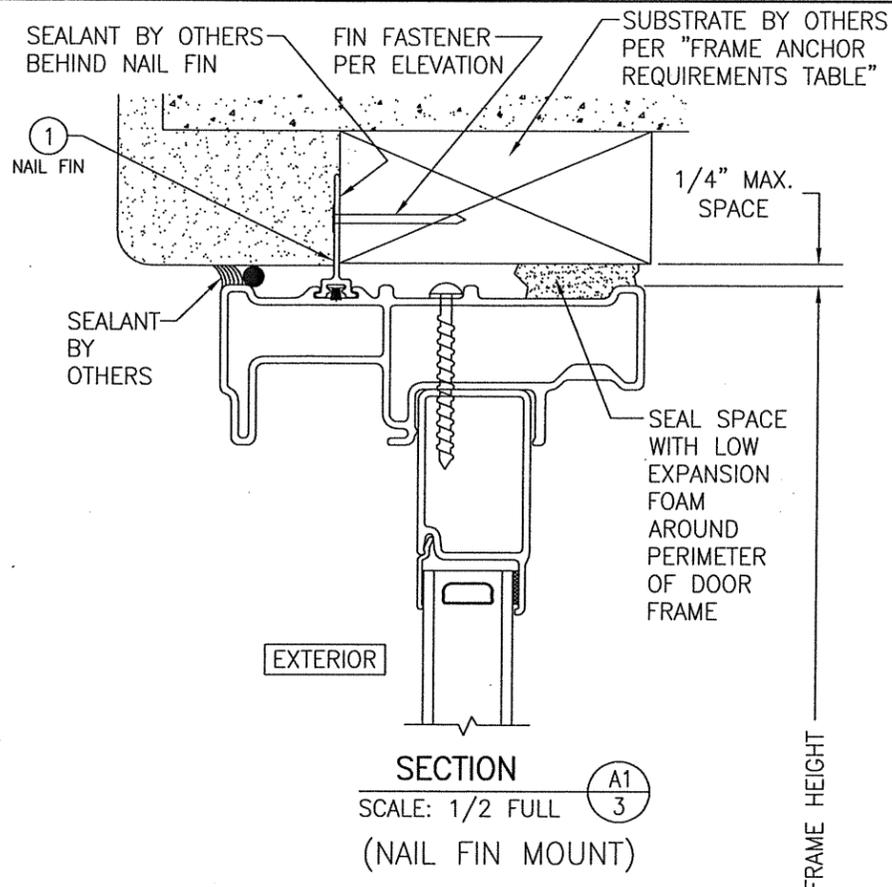


**EXTERIOR ELEVATION:  
O DOOR**  
SCALE: 1/2" = 1'-0"  
(FRAME SCREW MOUNT CONDITION)

**ALLOWABLE DESIGN PRESSURE  
(O UNITS ONLY)**  
+/-50 PSF

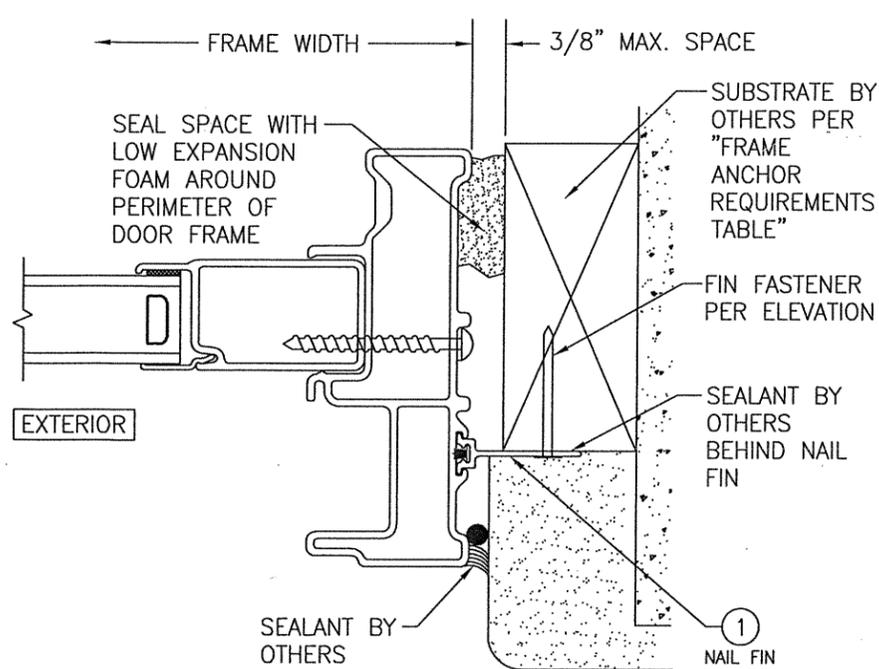


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PLOT: 1=24		DATE: 02/07/20	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: IMPERVIA NON-IMPACT SLIDING DOOR CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980) 7480, 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
JOB INFORMATION: PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
CERTIFICATION: WARREN W. SCHAEFER JUL 17 2020 WARREN W. SCHAEFER, P.E. P.E. NO. 113497			
DRAWING NO. 1658T		REV.	
SHEET NO. 2		OF 4	

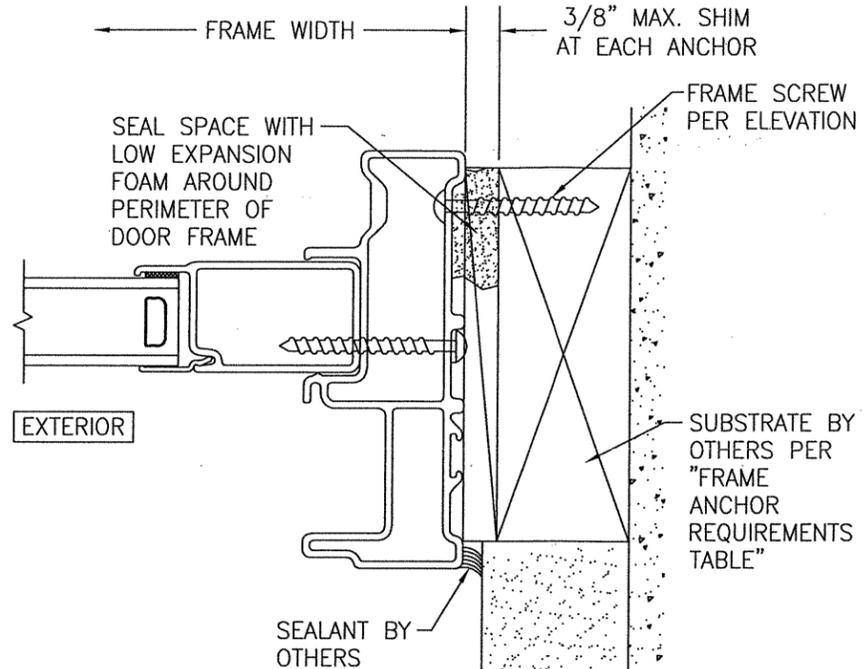


RIGID PVC SLIDE-IN NAIL FIN

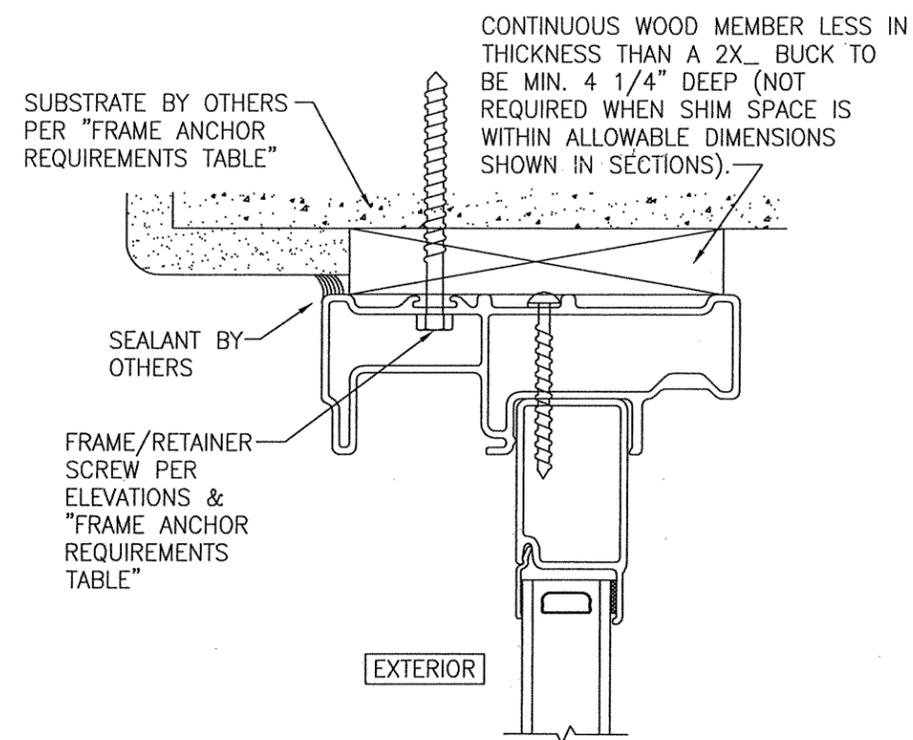
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PLOT: 1=2		DATE: 02/07/20	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: IMPERVIA NON-IMPACT SLIDING DOOR			
JOB INFORMATION:			
PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000			
			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION: LICENSED PROFESSIONAL ENGINEER JUL 17 2020 WARREN W. SCHAEFER, P.E. P.E. NO. 113497			
DRAWING NO. 1658T		REV.	
SHEET NO. 3		OF 4	



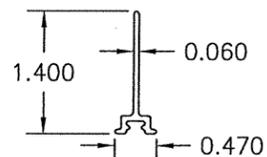
SECTION D1  
SCALE: 1/2 FULL  
(NAIL FIN MOUNT)



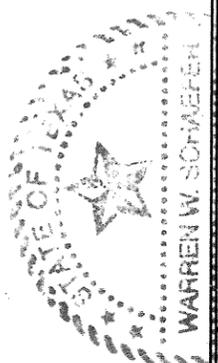
SECTION D2  
SCALE: 1/2 FULL  
(FRAME SCREW MOUNT)



OPTIONAL DIRECT MOUNT DETAIL  
TO SUBSTRATE WITH SPACER  
(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)  
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



① NAIL FIN  
(RIGID PVC)

DRAWN BY: W.W.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 02/07/20	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE IMPERVIA NON-IMPACT SLIDING DOOR			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (REG. NO. F-14980) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
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DRAWING NO. 1658T		REV.	
SHEET NO. 4 OF 4			