

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 LARGE MISSILE IMPACT RATED PRODUCT INSTALLATIONS ARE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC).
- 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.
- 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.
- 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.
- 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.
- 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.

HINGE REQUIREMENTS

| MAX. FRAME HEIGHT | QUANTITY PER PANEL |
|-------------------|--------------------|
| 119.5" | 6 |
| 107.875" | 5 |
| 99.375" | 4 |
| 83.875" | 3 |

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.

CONDITIONS SHOWN ON THIS DRAWING ARE GOVERNED BY INSTALLATION REQUIREMENTS ONLY. THE GOVERNING CONDITIONS ON ANY SPECIFIC DOOR SHALL BE THE LESSER OF THOSE SPECIFIED IN THE DOORS STATE APPROVAL OR THAT SHOWN IN THESE DRAWINGS.

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

EDGE DISTANCE MAY BE DECREASED TO 1/2" IF SCREWS ARE ANGLED 15 TO 20 DEGREES AWAY FROM THE EDGE.

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. |
| DATE: | 12/20/11 | DATE: | 12/13/10 |
| NO. | REVISION | DESCRIPTION | BY |
| A1 | UPDATE TO CURRENT STANDARDS | W.W.S. | 12/20/11 |
| B1 | UPDATE TO CURRENT STANDARDS | W.W.S. | 05/17/18 |
| C1 | UPDATE TO NEW TESTING | W.W.S. | 06/02/21 |

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PHONE: 561-744-3424

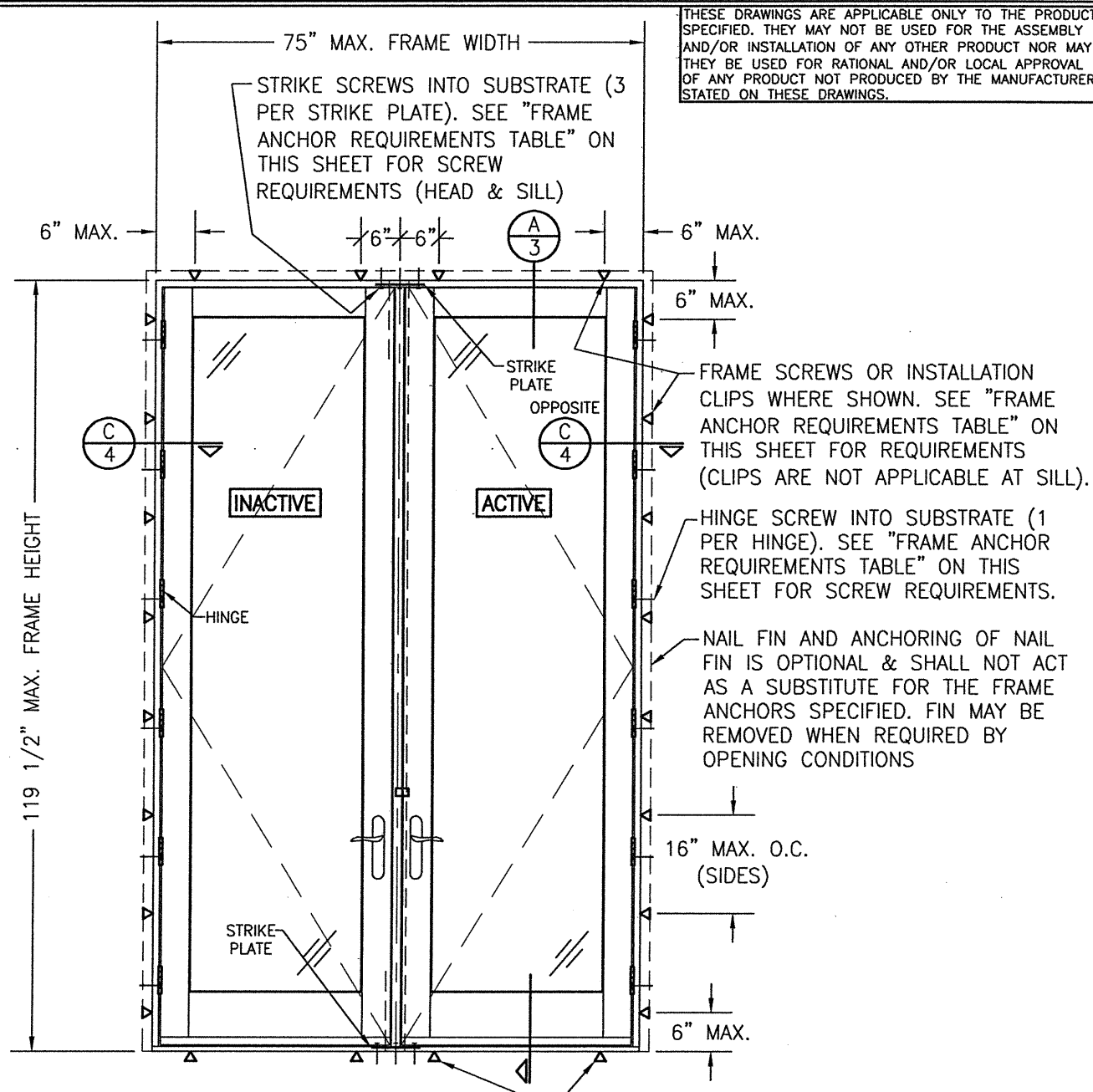
WARREN W. SCHAEFER
P.E. NO. 44135
STATE OF FLORIDA
LICENSED PROFESSIONAL ENGINEER
JUN 04 2021

DRAWING NO. 1730
SHEET NO. 1 OF 4
REV. C

FRAME ANCHOR REQUIREMENTS TABLE

| OPENING TYPE (SUBSTRATE) | FRAME/CLIP TO OPENING FASTENER TYPE | MINIMUM EMBED | MINIMUM EDGE DIST. |
|---|-------------------------------------|---------------|--------------------|
| FRAME/SILL SCREWS | | | |
| (3) 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" |
| (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" |
| HINGE SCREWS | | | |
| (3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55) | NO. 12 SMS OR WOOD SCREW | 1 1/4" | 3/4" |
| MIN. 18 GA. 33 KSI METAL STUD | NO. 12 GR. 5 SELF TAP/DRILL SCREW | FULL | 1/2" |
| 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 CMU OR 2500 PSI CONCRETE | (1) 1/4" CONCRETE SCREW | 1 1/4" | 2" |
| STRIKE SCREWS | | | |
| (3) 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" |
| (2) MIN. C-90 CMU | (1) 3/16" CONCRETE SCREW | 1 1/4" | 2" |
| MIN. 2500 PSI CONCRETE | (1) 3/16" CONCRETE SCREW | 1 1/2" | 2" |
| INSTALLATION CLIP SCREWS | | | |
| MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55) | NO. 8 SMS SCREW | 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" |

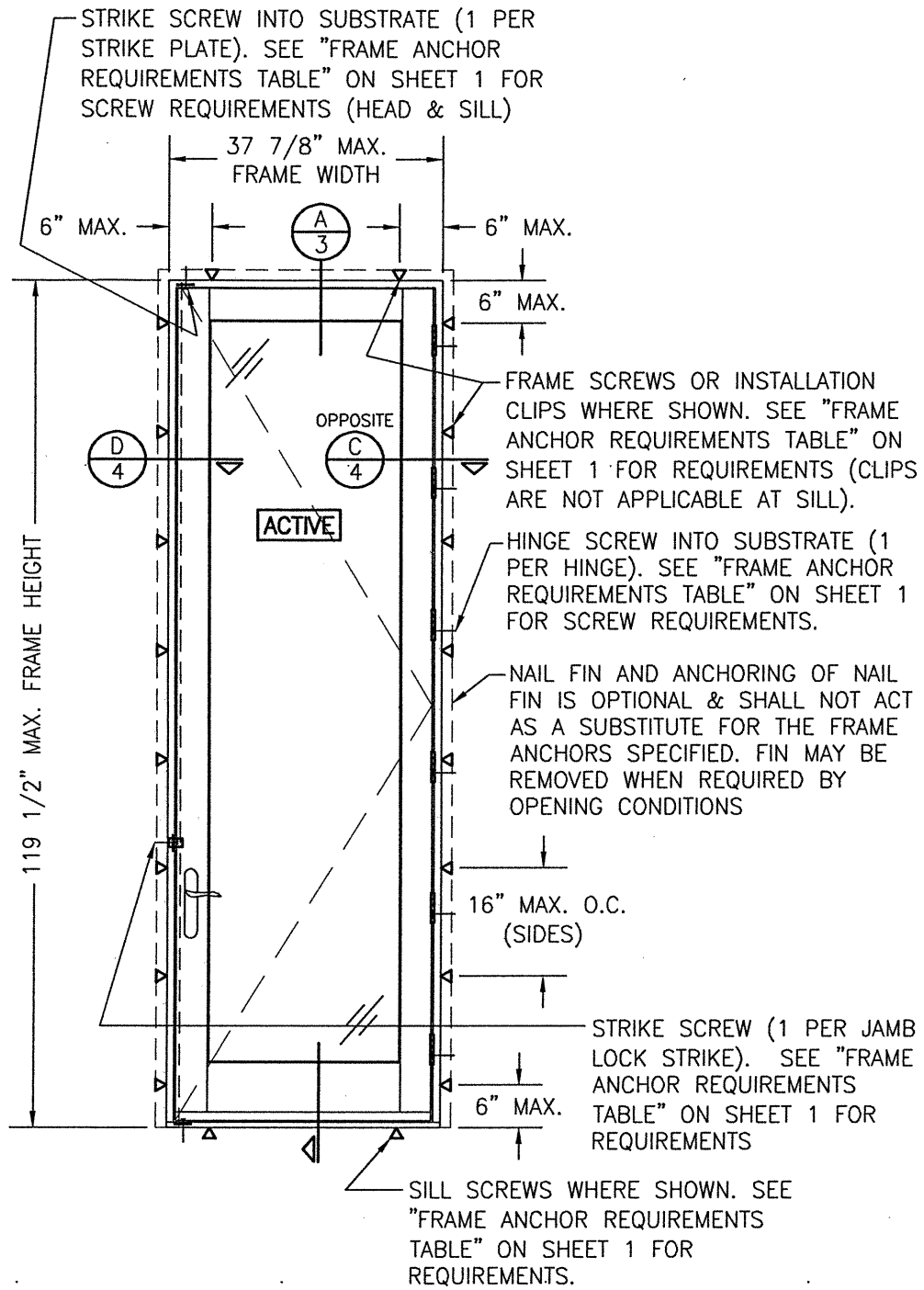
- CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- CMU IS APPLICABLE AT SIDES ONLY.
- 2X6 BUCKS MAY BE RIPPED DOWN TO MIN. 4 1/4" DEPTH EXCEPT WHEN THE INSTALLATION CLIP CONDITION APPLIES.



EXTERIOR ELEVATION: DOUBLE RECTANGULAR DOOR
SCALE: 1/2" = 1'-0"

ALLOWABLE DESIGN PRESSURE (DOUBLE SWING DOORS)

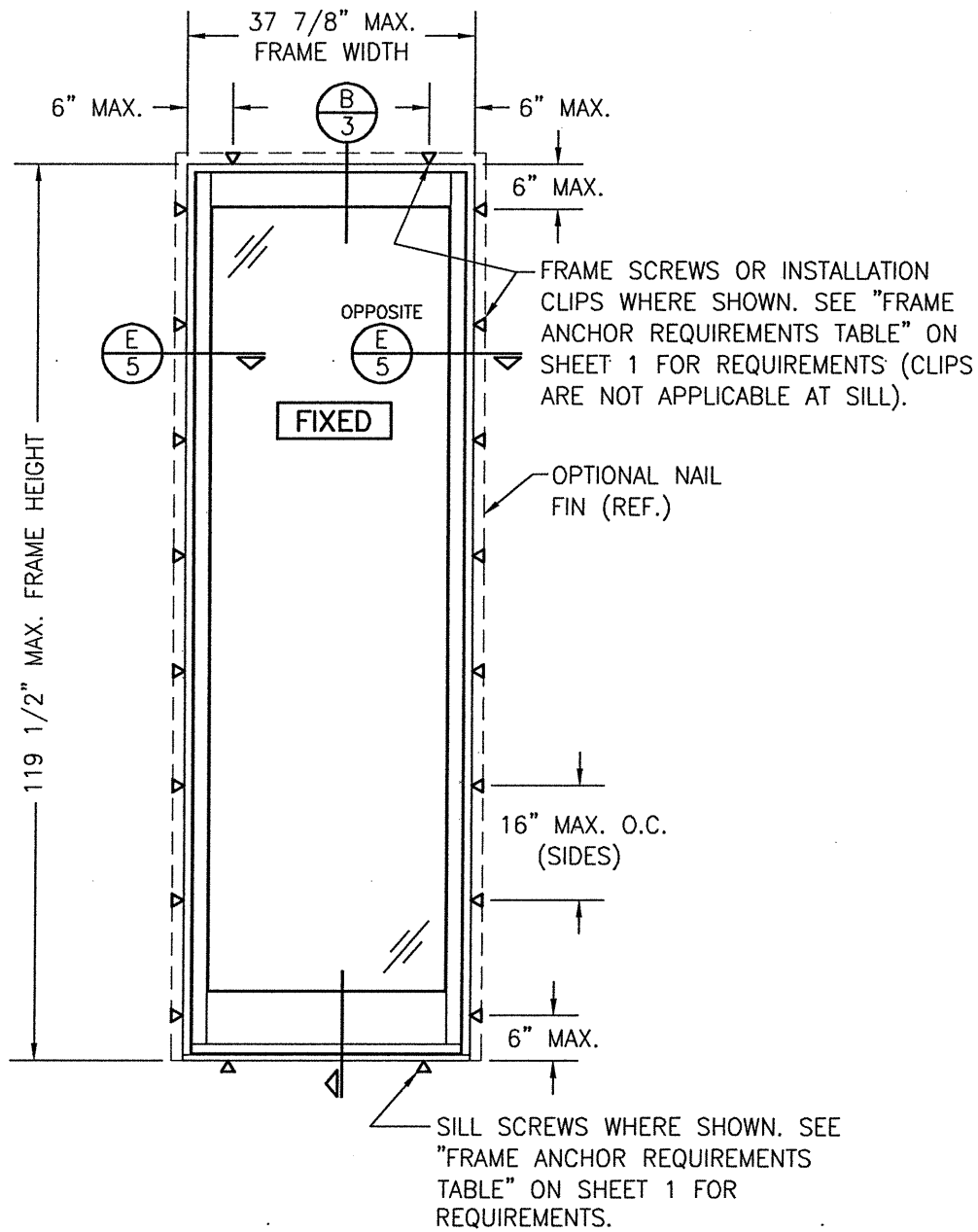
| MAX. FRAME HEIGHT (IN.) | ALLOWABLE PRESSURE | |
|-------------------------|--------------------|----------------|
| | POSITIVE (PSF) | NEGATIVE (PSF) |
| 119 1/2 | 50 | 50 |
| 95 1/2 | 70 | 70 |



**EXTERIOR ELEVATION:
SINGLE RECTANGULAR DOOR**

SCALE: 1/2" = 1'-0"

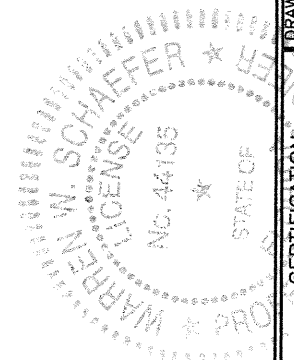
| ALLOWABLE DESIGN PRESSURE (SINGLE SWING DOORS) | | |
|---|--------------------|----------------|
| MAX. FRAME HEIGHT (IN.) | ALLOWABLE PRESSURE | |
| | POSITIVE (PSF) | NEGATIVE (PSF) |
| 119 1/2 | 50 | 50 |
| 95 1/2 | 70 | 70 |



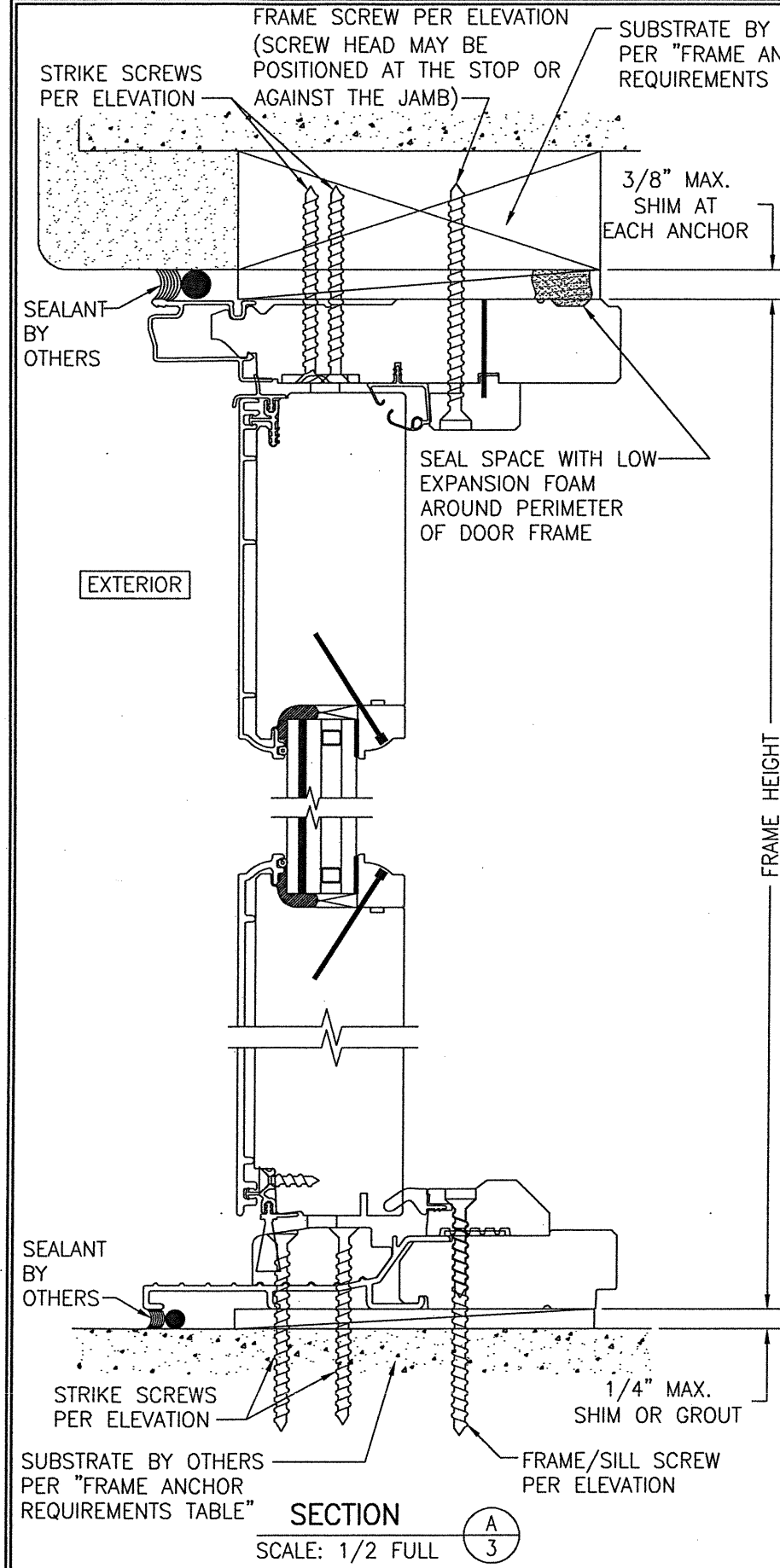
**EXTERIOR ELEVATION
SINGLE FIXED PANEL**

SCALE: 1/2" = 1'-0"

| ALLOWABLE DESIGN PRESSURE (FIXED PANEL DOOR) | | |
|---|--------------------|----------------|
| MAX. FRAME HEIGHT (IN.) | ALLOWABLE PRESSURE | |
| | POSITIVE (PSF) | NEGATIVE (PSF) |
| 119 1/2 | 50 | 50 |
| 95 1/2 | 70 | 70 |

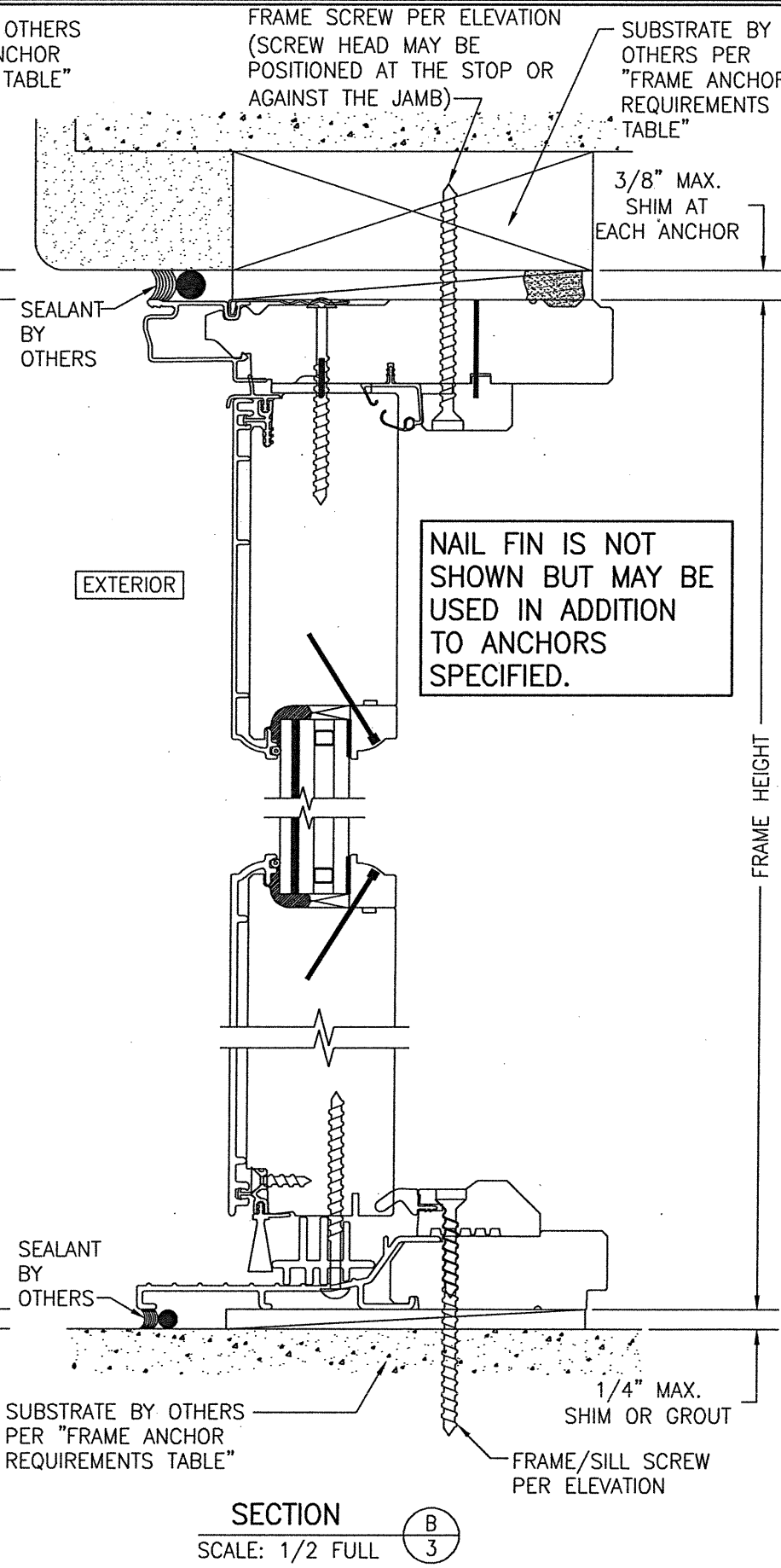


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|---|-----------------------|--|-------------------|
| DRAWN BY: W.W.S. | CHECKED BY: W.W.S. | PLOT: 1=24 | DATE: 12/13/10 |
| DATE | BY | REVISION DESCRIPTION | NO. |
| DRAWING TITLE: PELLA ARCHITECT OUT-SWING IMPACT ALUMINUM CLAD WOOD DOOR INSTALLATION REQUIREMENTS | | | |
| CONSULTANTS W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 | | MANUFACTURER PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000 | |
| CERTIFICATION JUN 04 2011 WARREN W. SCHAEFFER, P.E. P.E. NO. 44135 | | | |
| DRAWING NO. 1730 | | REV. C | |
| SHEET NO. 2 OF 4 | | | |



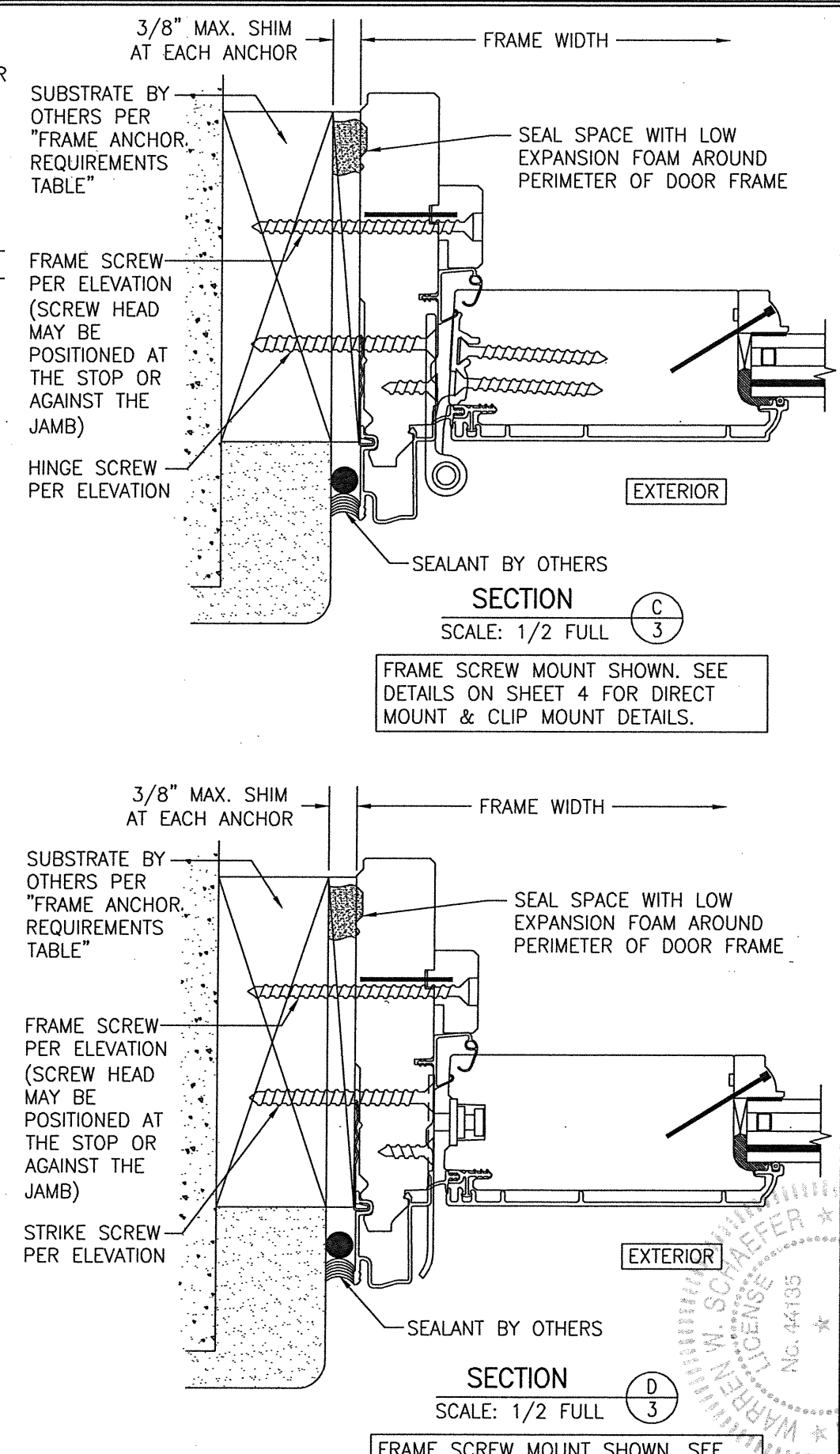
SECTION A
SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 4 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



SECTION B
SCALE: 1/2 FULL

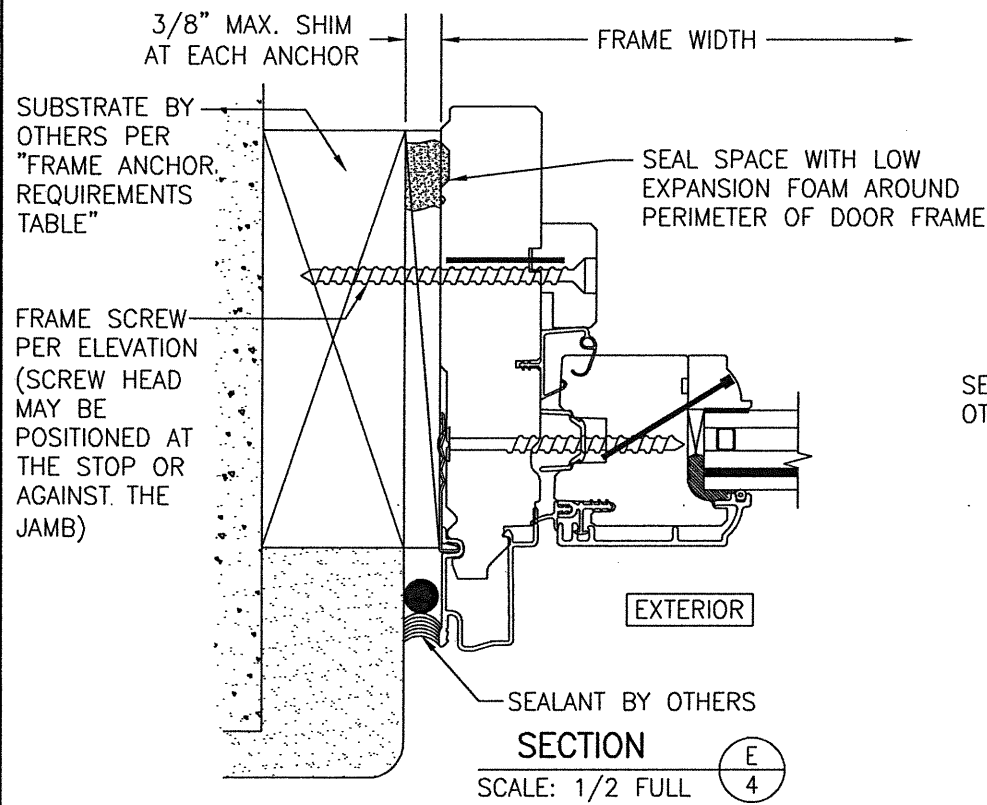
FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 4 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



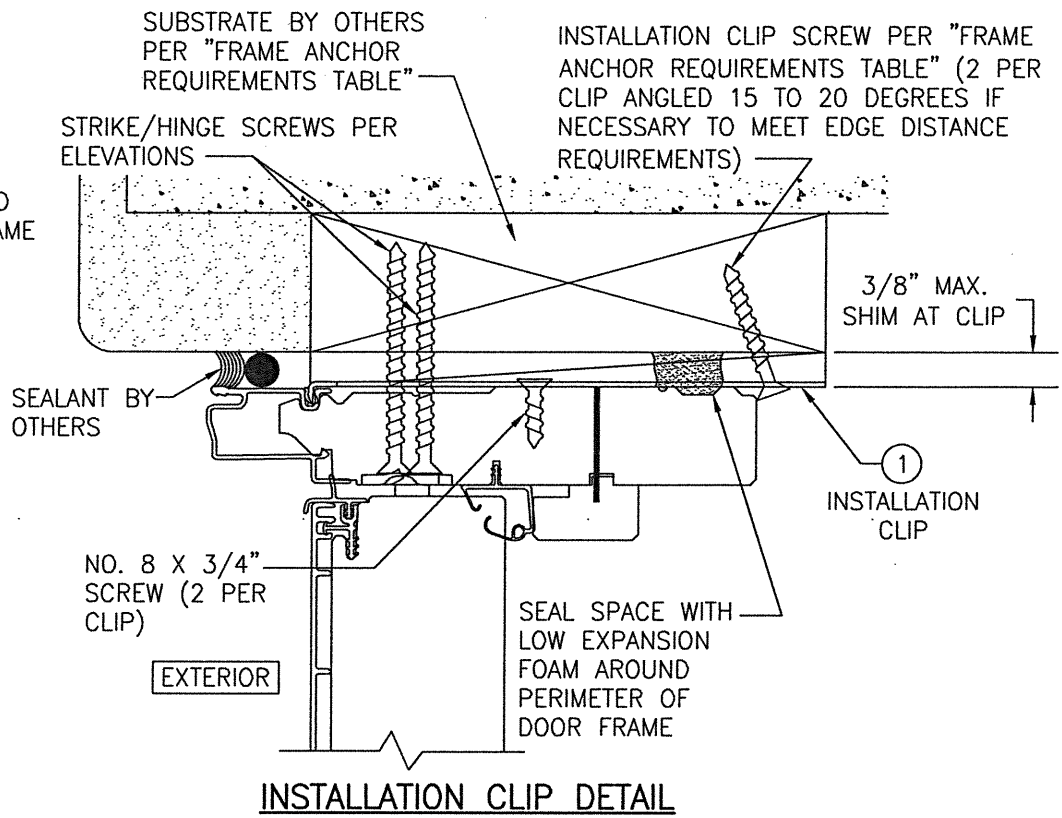
SECTION C
SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 4 FOR DIRECT MOUNT & CLIP MOUNT DETAILS.

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|--|---|
| DRAWN BY: W.W.S. | CHECKED BY: W.W.S. |
| PLOT: 1=2 | DATE: 12/13/10 |
| NO. | REVISION DESCRIPTION |
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| DRAWING TITLE: PELLA ARCHITECT OUT-SWING IMPACT ALUMINUM CLAD WOOD DOOR INSTALLATION REQUIREMENTS | |
| CONSULTANTS | MANUFACTURER |
| W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 | PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000 |
| CERTIFICATION | WARREN W. SCHAEFER, P.E. P.E. NO. 44135 |
| JUN 04 2021 | |
| DRAWING NO. | REV. |
| 1730 | C |
| SHEET NO. | OF |
| 3 | 4 |

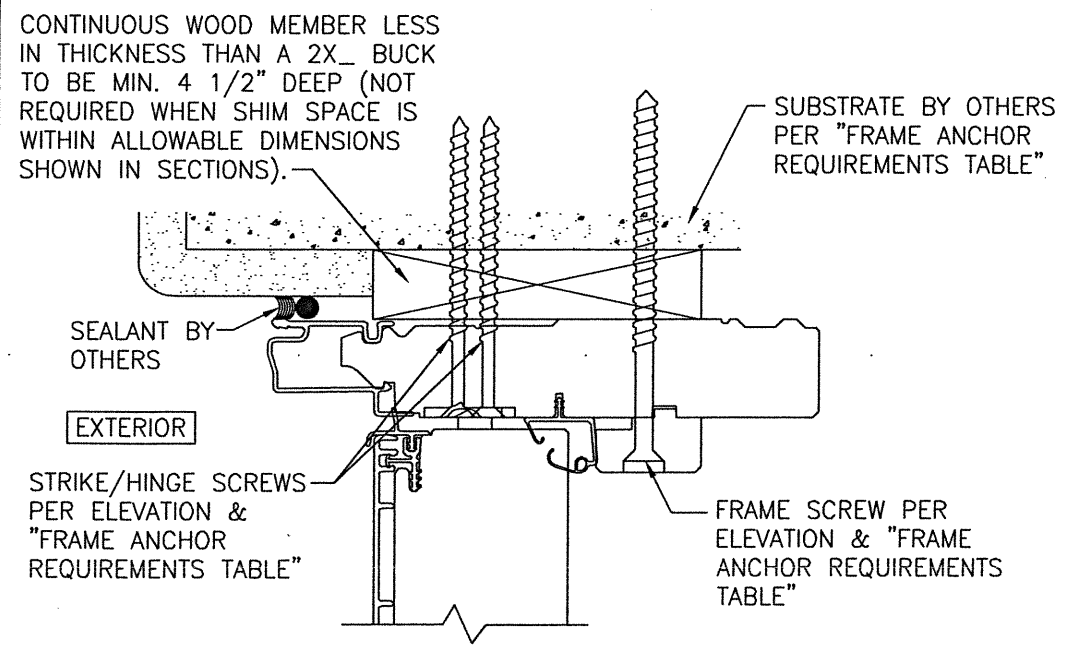


FRAME SCREW MOUNT SHOWN. SEE DETAILS ON THIS SHEET FOR DIRECT MOUNT & CLIP MOUNT DETAILS.



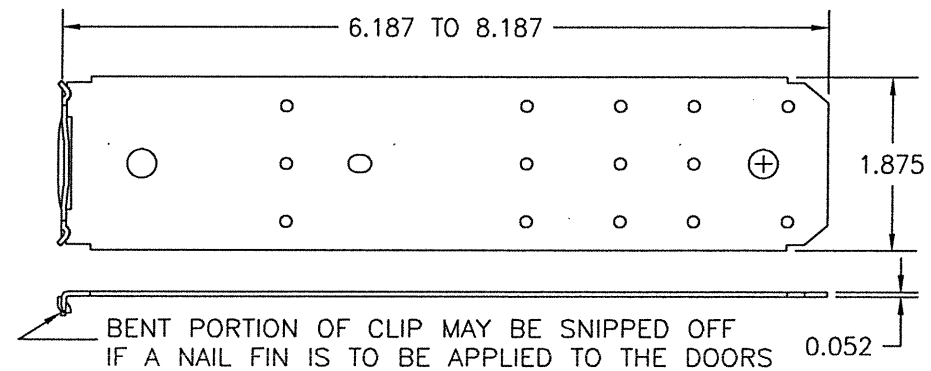
CLIP INSTALL NOTES:

- 1) HEAD SECTION SHOWN. CLIP IS INSTALLED THE SAME AT THE SIDES.
- 2) INSTALLATION CLIP IS NOT APPLICABLE AT THE SILL.
- 3) FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS.

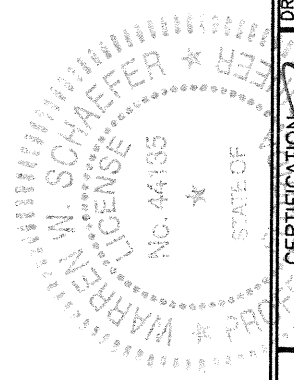


(HEAD SECTION SHOWN; SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

NAIL FIN IS NOT SHOWN BUT MAY BE USED IN ADDITION TO ANCHORS SPECIFIED.



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



| | |
|--|---|
| DRAWN BY: W.W.S. | CHECKED BY: W.W.S. |
| PLOT: 1=2 | DATE: 12/13/10 |
| NO. | REVISION DESCRIPTION |
| DATE | BY |
| DRAWING TITLE: PELLA ARCHITECT OUT-SWING IMPACT ALUMINUM CLAD WOOD DOOR INSTALLATION REQUIREMENTS | |
| CONSULTANTS | MANUFACTURER |
| W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424 | PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219 641-621-1000 |
| CERTIFICATION | |
| JUN 04 2021 | |
| WARREN W. SCHAEFER, P.E. P.E. NO. 44135 | |
| DRAWING NO. 1730 | REV. C |
| SHEET NO. 4 | OF 4 |