

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 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.

ALL ALTERNATE ANCHORS IN THEIR SPECIFIED SUBSTRATES HAVE BEEN ANALYZED IN ACCORDANCE WITH THEIR APPLICABLE STANDARD(S) AND ARE FOUND TO BE EQUIVALENT TO OR STRONGER THAN THE ANCHOR(S) USED IN TESTING WITH THIS PRODUCT.

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.

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/ TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME 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"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
(2) INSTALLATION CLIP SCREWS (STANDARD BENT CONDITION)			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	(2) N/A
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	(2) N/A
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	(2) N/A
INSTALLATION CLIP SCREWS (ALTERNATE STRAIGHT CONDITION)			
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"
(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.			

RECTANGULAR WINDOWS SHOWN.
ANCHORING OF SHAPED WINDOWS IS THE
SAME WITH REQUIRED ANCHOR SPACING
ALONG THE FRAME CIRCUMFERENCE
BEING THE SAME AS SPECIFIED FOR A
STRAIGHT FRAME.

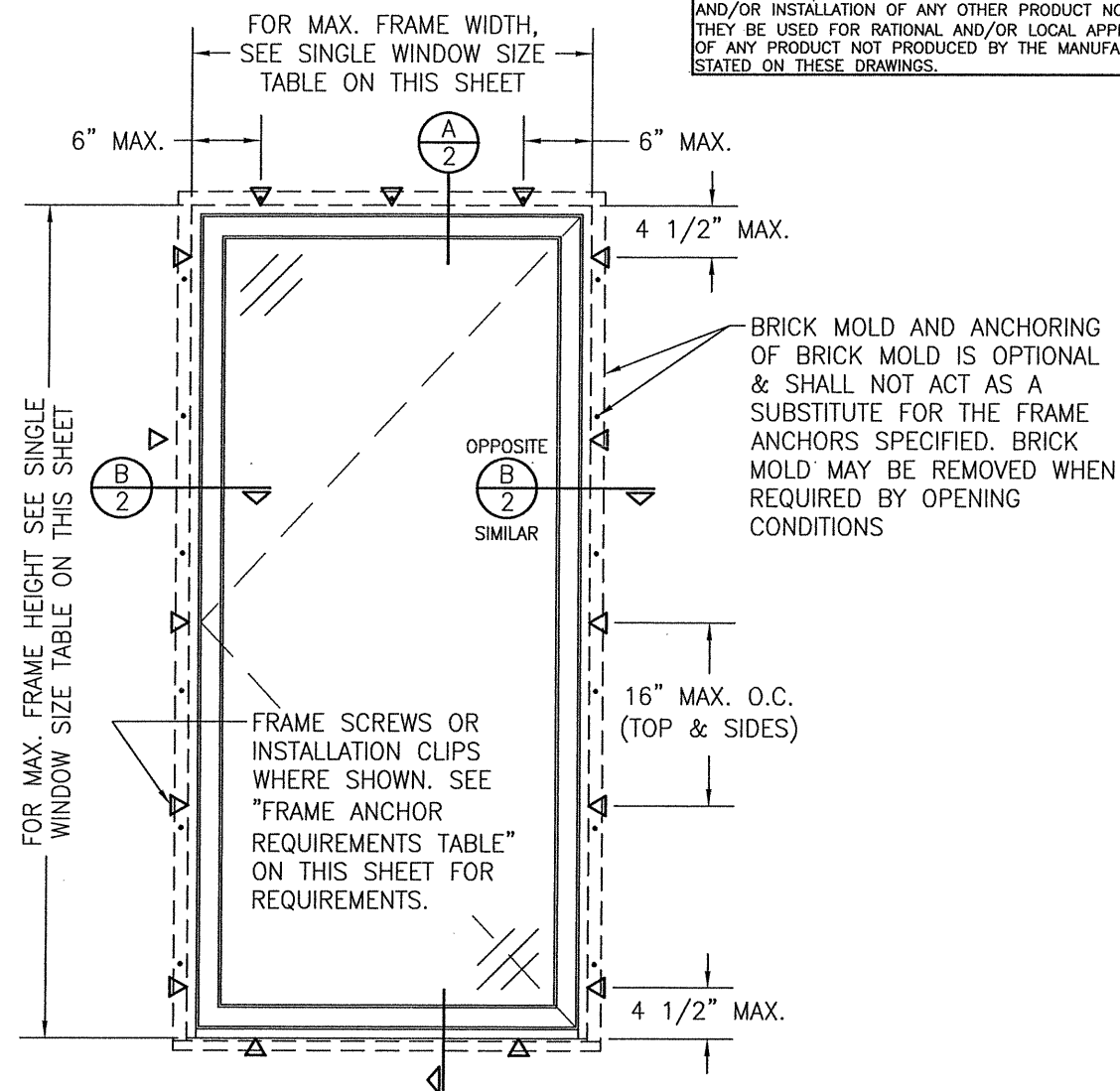
The image displays ten distinct window shapes, organized into two horizontal rows of five. Each window is represented by a black outline and contains a diagonal line from the top-left corner to the bottom-right corner. The shapes include: a simple rectangle, a rectangle with a quarter-circle top-right corner, a rectangle with a semi-circular top, a rectangle with a pointed top, and a rectangle with a pointed top and a small triangular extension on the right side. The second row features a rectangle with a pointed top and a small triangular extension on the left side, a rectangle with a pointed top and a small triangular extension on the right side, a rectangle with a pointed top and a small triangular extension on the left side, a rectangle with a pointed top and a small triangular extension on the right side, and a rectangle with a pointed top and a small triangular extension on the right side.

1. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION AS DESCRIBED IN THIS DRAWING.

2. ALL SHAPED UNITS MUST FIT INSCRIBED INTO THE ALLOWABLE RECTANGULAR UNITS & BE GOVERNED BY THE ALLOWABLE PRESSURE OF THE RESPECTIVE RECTANGULAR UNIT.

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

DRAWING NO. 1607A		REV. C																												
SHEET NO. 1 OF 2																														
WARREN W. SCHAEFER, P.E. P.E. NO. 44135 JUL 14 2020																														
STRUCTURAL ENGINEER																														
CONSULTANTS																														
W. W. SCHAEFER 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																														
																														
DRAWING TITLE PELLA/ARCHITECT SERIES NON-IMPACT WOOD SHAPED CASEMENT WINDOW																														
<table border="1"> <tr> <th>NO.</th> <th>REVISION DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> <tr> <td>A1</td> <td>UPDATE TO CURRENT STANDARDS</td> <td>W.R.M.</td> <td>01/28/14</td> </tr> <tr> <td>B1</td> <td>UPDATE TO CURRENT STANDARDS</td> <td>W.W.S.</td> <td>01/26/15</td> </tr> <tr> <td>C1</td> <td>UPDATE FOR NEW TESTING</td> <td>W.W.S.</td> <td>11/20/18</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>			NO.	REVISION DESCRIPTION	BY	DATE	A1	UPDATE TO CURRENT STANDARDS	W.R.M.	01/28/14	B1	UPDATE TO CURRENT STANDARDS	W.W.S.	01/26/15	C1	UPDATE FOR NEW TESTING	W.W.S.	11/20/18												
NO.	REVISION DESCRIPTION	BY	DATE																											
A1	UPDATE TO CURRENT STANDARDS	W.R.M.	01/28/14																											
B1	UPDATE TO CURRENT STANDARDS	W.W.S.	01/26/15																											
C1	UPDATE FOR NEW TESTING	W.W.S.	11/20/18																											
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.																												
PLOT: 1=16		DATE: 07/22/11																												

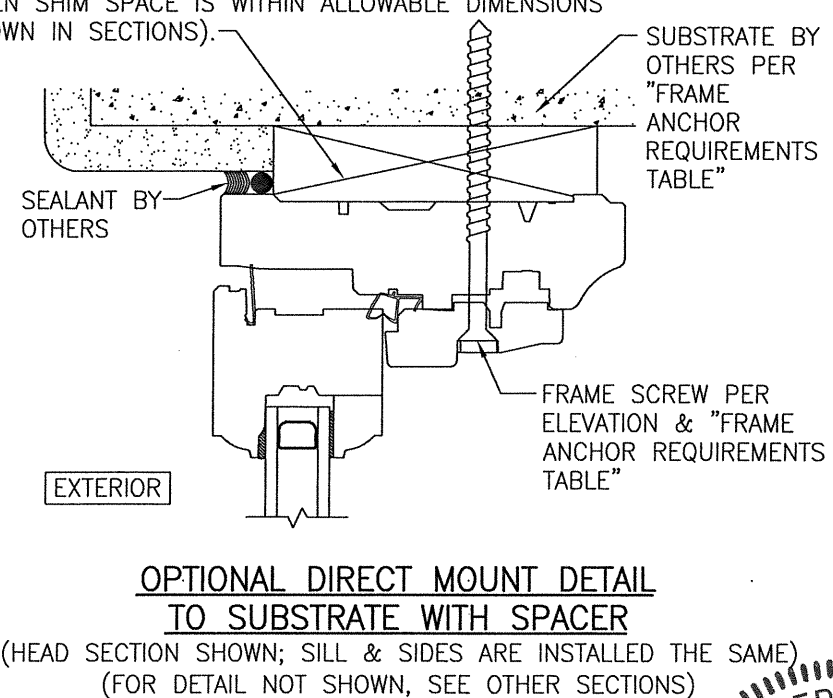
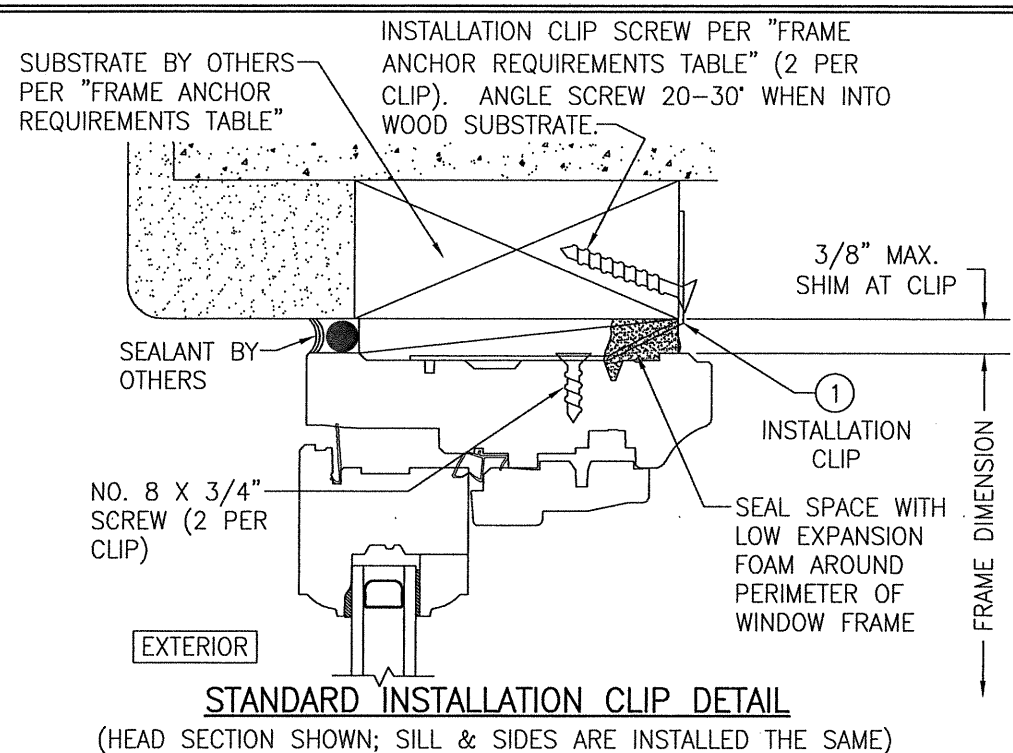
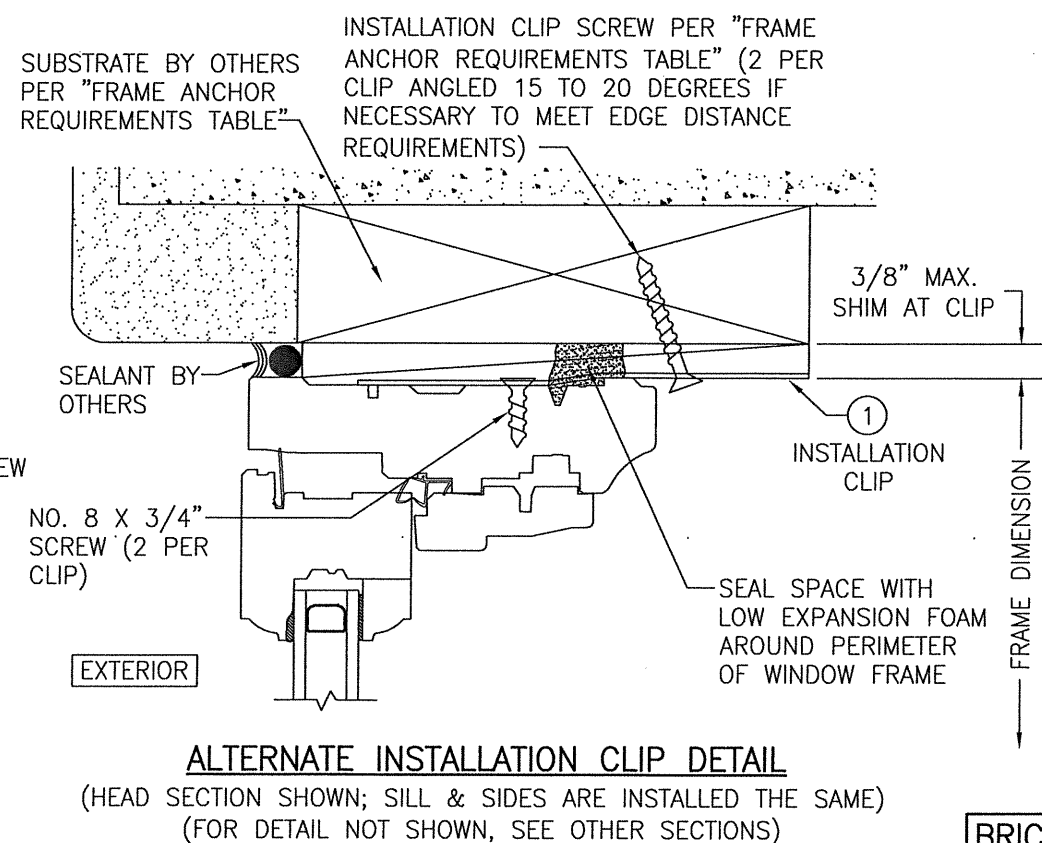
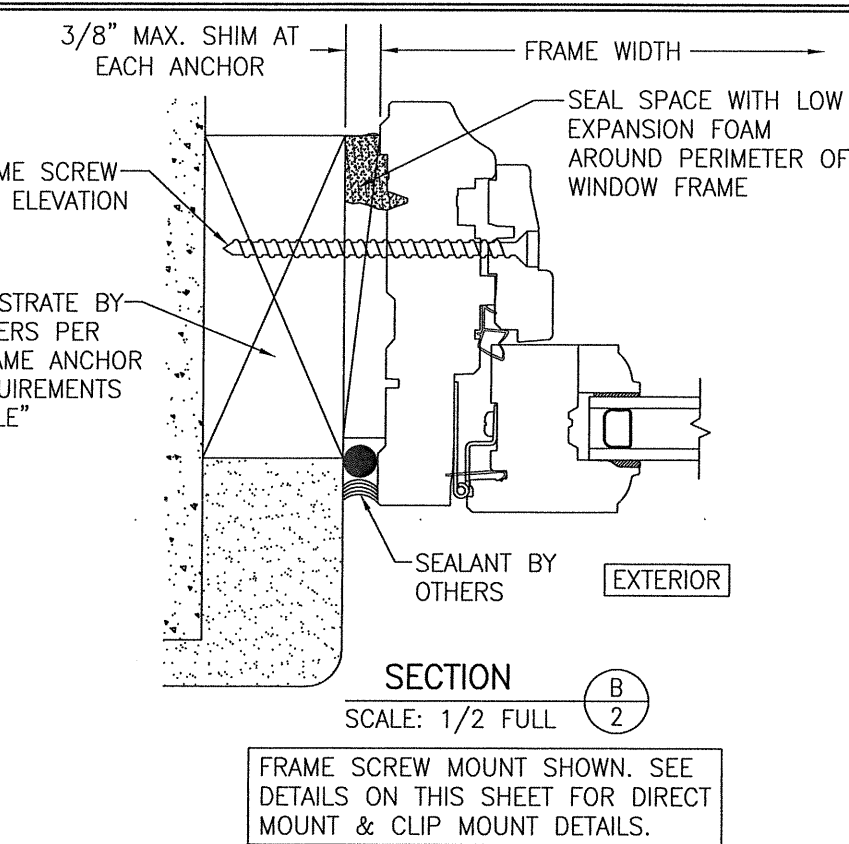
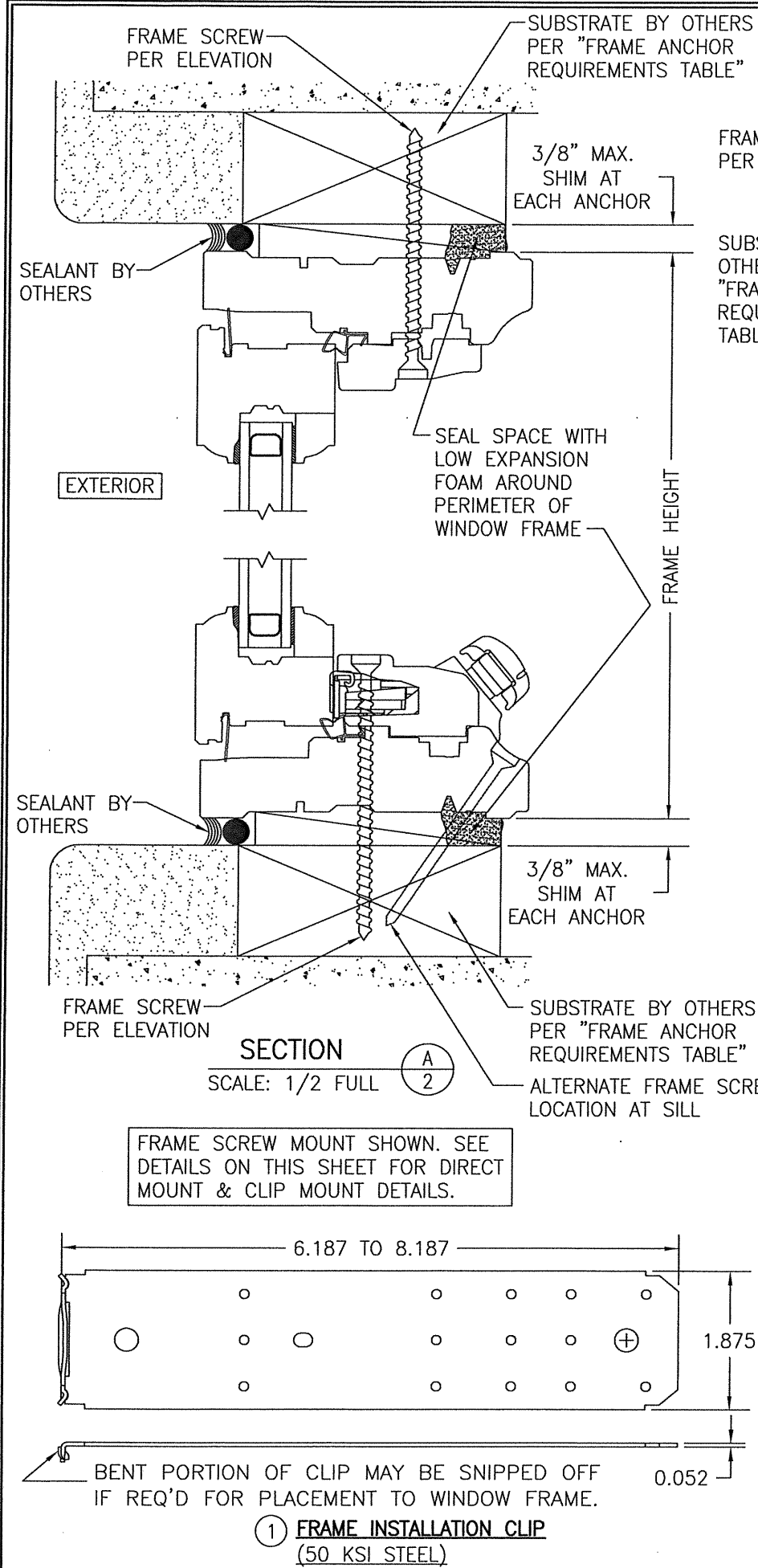


SCALE: 3/4" = 1'-0"

MAXIMUM FRAME WIDTH (IN.)	MAXIMUM FRAME HEIGHT (IN.)	ALLOWABLE PRESSURE (+/- PSF)
37 1/2	75	50
41	68 1/4	50
29 1/4	96	50

PRESSURE SHOWN IN THIS TABLE IS FOR INSTALLATION CONDITIONS ONLY. THE GOVERNING DESIGN PRESSURE ON THE WINDOWS SHALL BE THE LESSER OF THAT SHOWN IN THE INDIVIDUAL WINDOW'S STATE APPROVAL OR THAT SHOWN IN THIS TABLE.





BRICK MOLD & JAMB EXTENSIONS ARE NOT SHOWN BUT MAY BE USED IN ADDITION TO ANCHORS SHOWN.

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 07/21/11
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE: PELLA/ARCHITECT SERIES NON-IMPACT WOOD SHAPED CASEMENT WINDOW	
CONSULTANTS: W. W. SCHAEFER 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	
WARREN W. SCHAEFER LICENSE No. 44135 FLORIDA PROFESSIONAL ENGINEER JUL 1 2011	
DRAWING NO. 1607A	REV. C
SHEET NO. 2	OF 2