



MIAMI-DADE COUNTY  
 PRODUCT CONTROL SECTION  
 11805 SW 26 Street, Room 208  
 Miami, Florida 33175-2474  
 T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
 BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

**Weather Shield Manufacturing Inc.**  
**One Weather Shield Plaza**  
**Medford, WI 54451**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: Weather Shield Series "Legacy" Alum Clad Outswing Wood French Door – L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 1211 Rev D, titled "Legacy Alum Clad Outswing French Door", sheets 1 through 11 of 11, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 05/28/04 and last revised on FEB 23, 2012, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Impact Resistant**

**Limitations:**

1. Weather Shield Transom Windows under separate approval. Refer to sheets 4 and 6 of this Drawing set. For all double, triple and quad units the transom must be within Max 136-7/8" frame height. Single unit height may be within individual door and or fixed transom window within the opening provided the frame width not to exceed 42-3/8". Lower design of doors or fixed transom windows may control for entire assembly.
2. Steel tube mullion is required for triple or quad door units with transoms. Beside the frame screws, additional total six (6) #12 SMS or wood screws required at transom end clips at wood substrate and / or total four (4) thru conc. or filled block per sheet 6 of the Dwg.
3. Aluminum Tube mullion is limited to single or double units with transom. Total four (4) frame screws are required at transom end and additional 20 ga steel strap end clip required at double door transom end, see sheet 4 of the Dwg.
4. 98" max span Vertical side by side mullion to be installed to the units with frame screws not to exceed 12" OC at fixed unit side and thru hinges screws at hinge jambs. The mullion end screws at head and sill must be installed thru the thicker part (1.25") of the frame jambs.
5. Anchors at all double or double mulled doors at meeting stile (head / sill) to be installed as per sheet 2.
6. Manufacturing facility as noted below, private labeling is not part of this approval.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, **Park Falls, Wisconsin** and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

4/15/13

NOA No. 13-0205.11  
 Expiration Date: July 17, 2018  
 Approval Date: April 11, 2013  
 Page 1

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA # 11-1128.04 and consists of the pages 1, 2 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No. 13-0205.11  
Expiration Date: July 17, 2018  
Approval Date: April 11, 2013  
Page 2

9/15/13



Weather Shield Manufacturing Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (submitted under file # 11-1128.04)
2. Drawing No. 1211 Rev D, titled "Legacy Alum Clad Outswing French Door", sheets 1 through 11 of 11, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 05/28/04 and last revised on FEB 23, 2012, signed and sealed by Warren W. Schaefer, P.E.

**B. TESTS (submitted under file # 11-1128.04/ # 09-0929.08 /#08-0602.10)**

1. Test reports on
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Load Static Air Pressure Test, per FBC, TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of an outswing French door, prepared along with marked-up drawings and installation diagram of a wood French door, prepared by Stork Twin City Testing Corporation, Test Report No. TCTCWI09003 dated 03/04/09, signed and sealed by Thomas Allan Kolden, P. E.

Additional tests, along with marked-up drawings and installation diagram of an outswing French door, prepared along with marked-up drawings and installation diagram of a wood French door, prepared by Twin City Testing Corporation, Test Report No. TCTCWI02016 dated 10/21/02, TCTCWI02013 dated 8/20/02 and TCTCWI02021 dated 11/10-13/03, all signed and sealed by Derrick Swanson, P.E.

**C. CALCULATIONS**

1. Anchor verification & structural analysis, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated NOV 04, 2011 and last revised on FEB 23, 2012, signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies with ASTM E-1300-02 & 2004.

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Regulatory and Economic Resources (RER).

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 11-0325.05 issued to Solutia Inc. for "Saflex clear & color interlayer", expiring on 05/21/16.

**F. STATEMENTS**

1. Statement letter of conformance to FBC 2010 & "No financial interest, both dated JAN 30, 2013, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Laboratory addendum letter for Test Report No. TCTCWI02021, issued by Stork Twin City Testing Corporation, dated July 30, 2004, all signed and sealed by John D. Lee, P. E.
3. Lab compliance statements as a part of the above test reports.

**G. OTHER**

1. This NOA renews NOA #11-1128.04, expired on July 17, 2018.
2. Previous associated files are NOA(s) # 09-0929.08 & #08-0602.10.

  
Ishq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 13-0205.11

Expiration Date: July 17, 2018  
Approval Date: April 11, 2013

**FRAME ANCHOR REQUIREMENTS TABLE**

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
<b>FRAME &amp; SILL SCREWS</b>			
(2) 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"
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"
<b>HINGE &amp; STRIKE SCREWS</b>			
(2) 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"
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"
<b>STEEL TUBE TRANSOM MULLION END CLIP SCREWS</b>			
(2) 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. CONCRETE FILLED C-90 CMU OR 2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/2"	2"
<b>ALUMINUM TUBE TRANSOM MULLION END CLIP SCREWS</b>			
(2) 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"
MIN. C-90 CMU	(1) 3/16" CONCRETE SCREW	1 1/4"	2"

CMU IS APPLICABLE ONLY AT SIDES.

**GENERAL NOTES:**

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF  $K_d = 0.85$  MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR  $C_d = 1.6$  WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. 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.
11. ALL WOOD MEMBERS OF DOORS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

**FRAME CORNER CONSTRUCTION**

\* AT EACH RECTANGULAR DOOR HEAD CORNER AND ALL SIDELITE CORNERS, THE WOOD FRAME MEMBERS ARE DADO CUT, GLUED, PLACED TOGETHER AND MECHANICALLY FASTENED WITH (3) #8 X 2 1/2" LONG DRYWALL SCREWS.  
 \* AT EACH DOOR SILL CORNER, THE WOOD FRAME MEMBERS ARE SQUARE CUT, SEALED WITH A GASKET & SILICONE ON THE INTERIOR AND SECURED WITH (3) 2 1/2" DRYWALL SCREWS. A 3/4" HIGH OAK THRESHOLD IS SEALED TO THE SILL WITH SILICONE BACK BEDDING AND SECURED WITH SCREWS TO THE WOOD SUB-SILL.  
 \* AT EACH DOOR SILL CORNER WITH ADA SILL, THE WOOD FRAME MEMBERS ARE SQUARE CUT AND MECHANICALLY FASTENED WITH (2) #9 X 2" LONG FLATHEAD SCREWS.  
 THE ALUMINUM FRAME CLADDING MEMBERS ARE MITER CUT AND MECHANICALLY FASTENED TOGETHER USING (1) 1 1/4" SCREW OR (1) #6 X 1" LONG SCREW WITH #5 HEAD AT EACH CORNER.

**SASH CORNER CONSTRUCTION**

\* AT EACH CORNER THE WOOD SASH MEMBER ENDS ARE SQUARE CUT, SEALED WITH A SINGLE BEAD OF SILICONE, WOOD GLUED TO THE WOOD JOINT SURFACES AND SECURED WITH 3/4" DIA. X 3" LONG DOWELS, (2) PER TOP CORNER & (4) PER BOTTOM CORNER.  
 \* THE ALUMINUM MEMBERS ARE SLIP FITTED TO THE ADJACENT PANEL MEMBER AT EACH CORNER.

HINGE REQUIREMENTS	
DOOR HEIGHT	# HINGES REQ'D
ALL SIZES	4

HINGES ARE LOCATED APPROXIMATELY 9.5" FROM TOP & BOTTOM OF DOOR PANELS TO CENTER OF HINGE AND EQUALLY SPACED BETWEEN.

**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 11-1129-04  
 Expiration Date: 3/19/17, 2013  
 By: Ishaq I. Chank  
 Manual Code Product Control

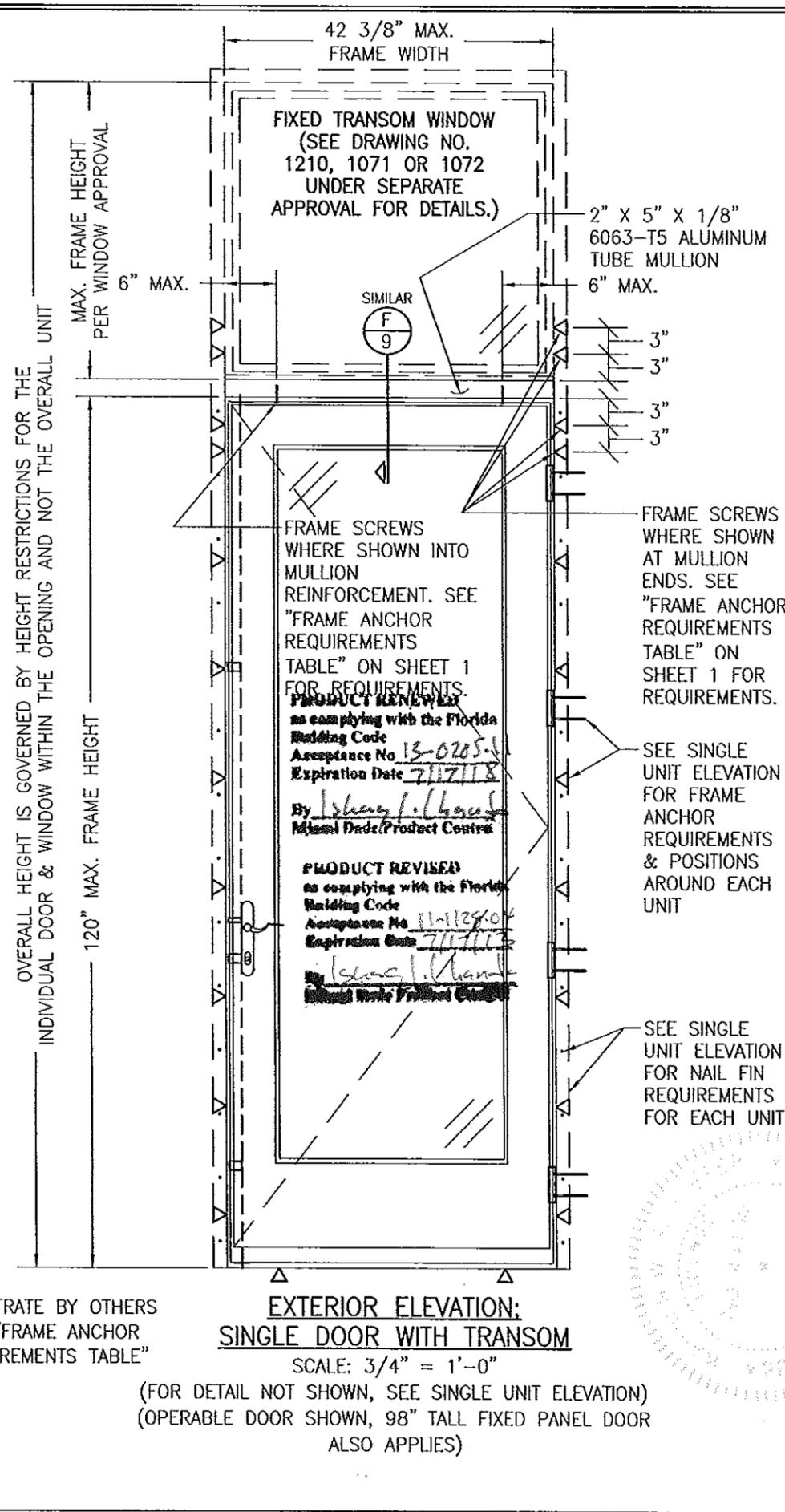
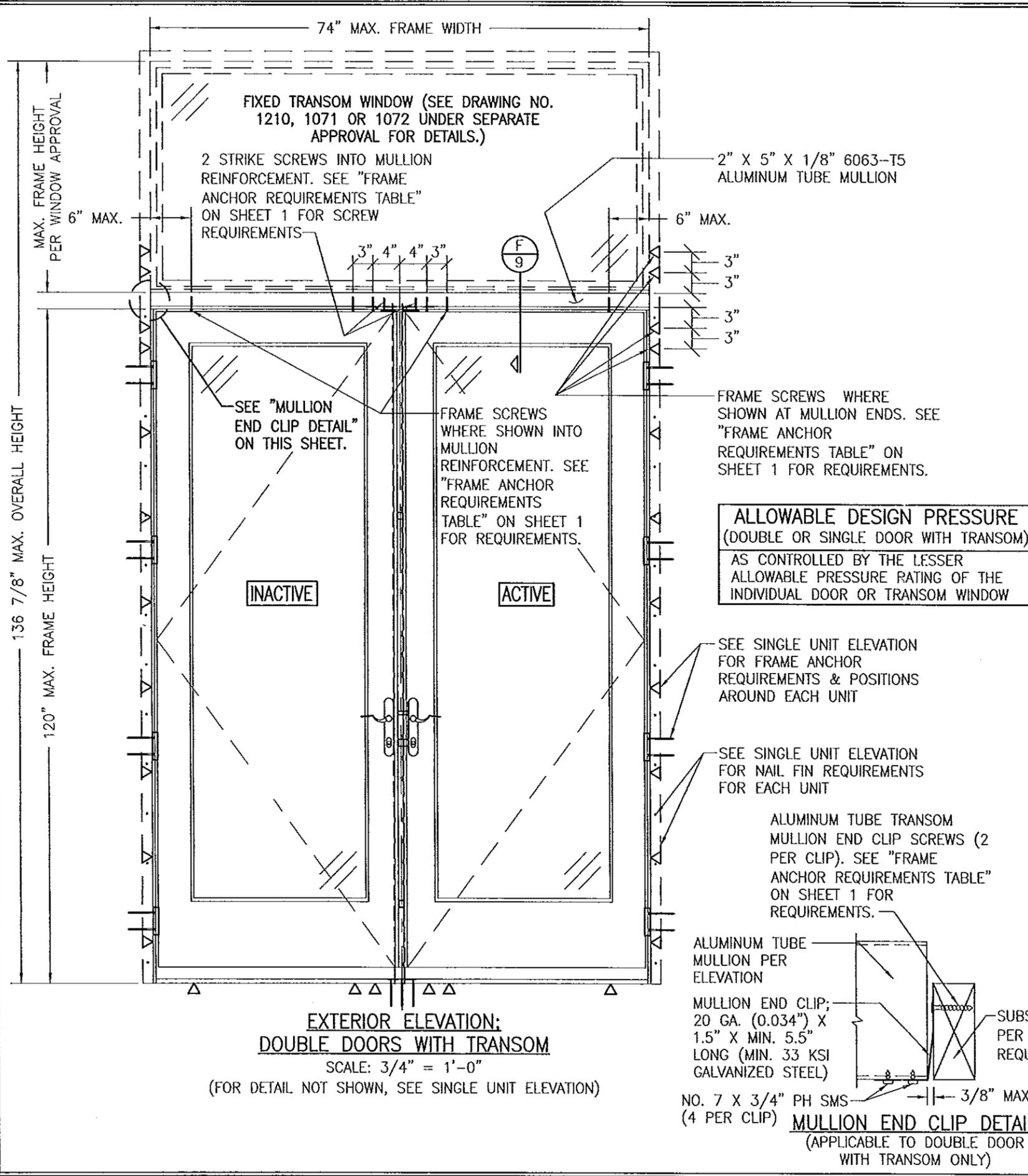
**PRODUCT REVISED**  
 as complying with the Florida Building Code  
 Acceptance No. 13-0205-11  
 Expiration Date: July 17, 2018  
 By: Ishaq I. Chank  
 Manual Code Product Control

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: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 02/20/03	
DATE	BY	DATE	BY
05/28/04	K.P.S.	07/09/08	W.W.S.
		02/07/09	W.R.M.
		11/03/11	W.R.M.
NO.	REVISION DESCRIPTION & NOTES	NO.	REVISION DESCRIPTION & NOTES
A1	REVISED DIMENSIONS & NOTES TO ALLOW LARGER DOORS	B1	UPDATE TO PRESENT STANDARDS
		C1	NEW LOCK & GLAZING
		D1	UPDATE TO CURRENT STANDARDS
LEGACY ALUMINUM CLAD OUTSWING FRENCH DOORS MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CONSULTANTS		CONSULTANTS	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING TITLE		DRAWING TITLE	
LEGACY ALUMINUM CLAD OUTSWING FRENCH DOORS		LEGACY ALUMINUM CLAD OUTSWING FRENCH DOORS	
CERTIFICATION		CERTIFICATION	
FEB 28 2012		FEB 28 2012	
DRAWING NO. 1211		DRAWING NO. 1211	
SHEET NO. 1 OF 11		SHEET NO. 1 OF 11	
REVISION		REVISION	
D		D	



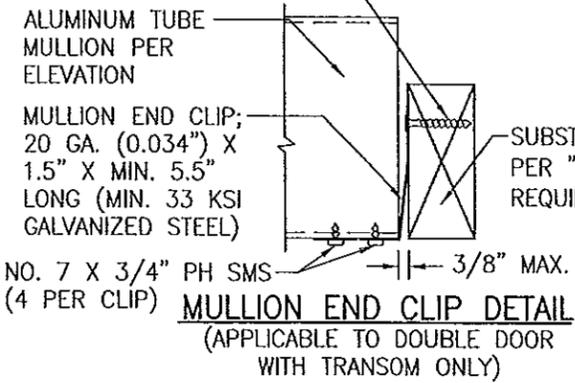




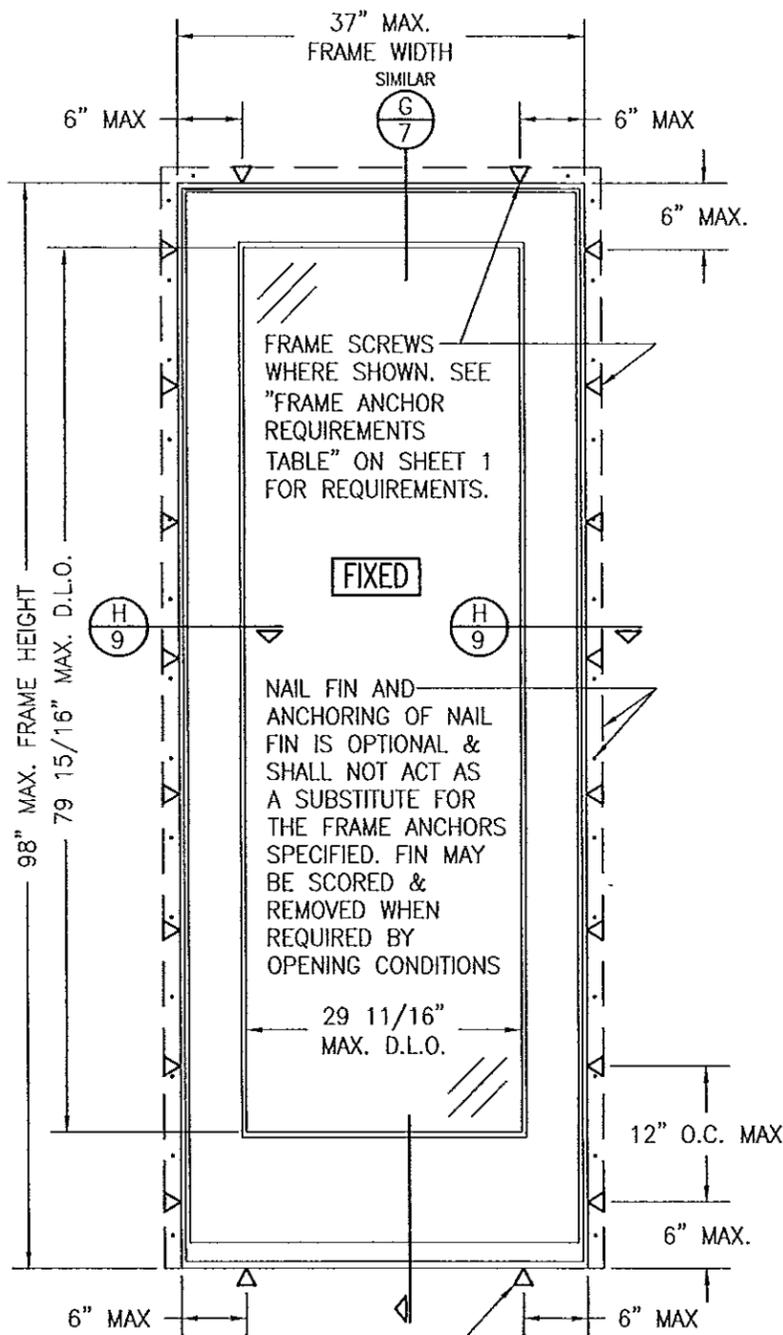
**ALLOWABLE DESIGN PRESSURE**  
 (DOUBLE OR SINGLE DOOR WITH TRANSOM)  
 AS CONTROLLED BY THE LESSER  
 ALLOWABLE PRESSURE RATING OF THE  
 INDIVIDUAL DOOR OR TRANSOM WINDOW

**PRODUCT REVIEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 13-0285-1  
 Expiration Date 7/17/18  
 By *Isaac L. Hanes*  
 Miami Dade Product Centre

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 11-129-04  
 Expiration Date 7/17/18  
 By *Isaac L. Hanes*  
 Miami Dade Product Centre



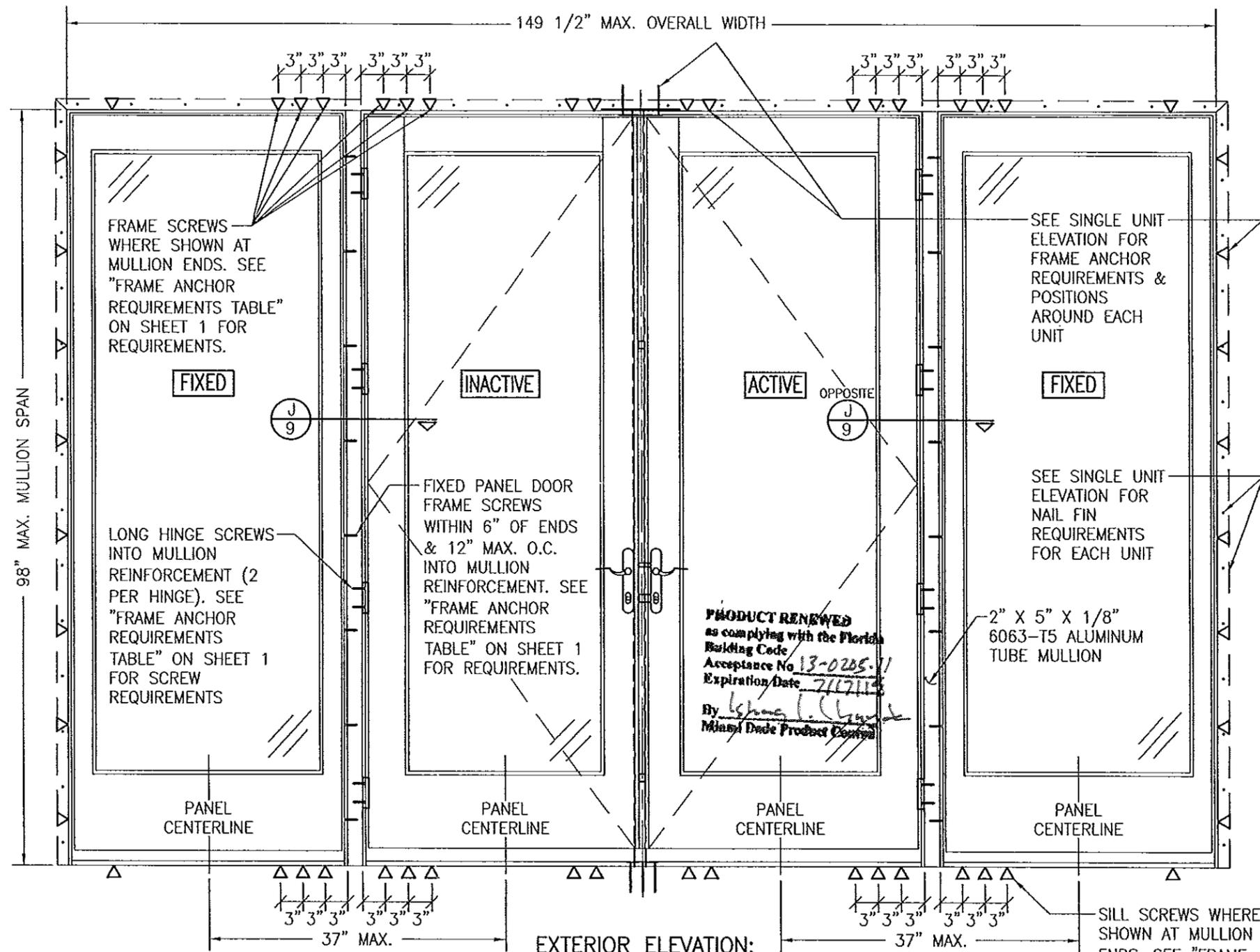
DRAWN BY: K.P.S. CHECKED BY: W.W.S. DATE: 02/20/03
PLOT: 1-16
NO. REVISION DESCRIPTION BY DATE
DRAWING TITLE <b>LEGACY ALUMINUM CLAD OUTSWING FRENCH DOORS</b>
MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b> ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION <b>FEB 23 2012</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1211</b> REV. <b>D</b>
SHEET NO. <b>4 OF 11</b>



**EXTERIOR ELEVATION:  
SINGLE FIXED PANEL DOOR**  
SCALE: 3/4" = 1'-0"

**ALLOWABLE DESIGN PRESSURE  
(FIXED PANEL DOOR)**  
+60/-75 PSF

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



**EXTERIOR ELEVATION:  
DOUBLE DOORS WITH FIXED PANELS**  
SCALE: 3/4" = 1'-0"

**MULTIPLE UNIT NOTES:**

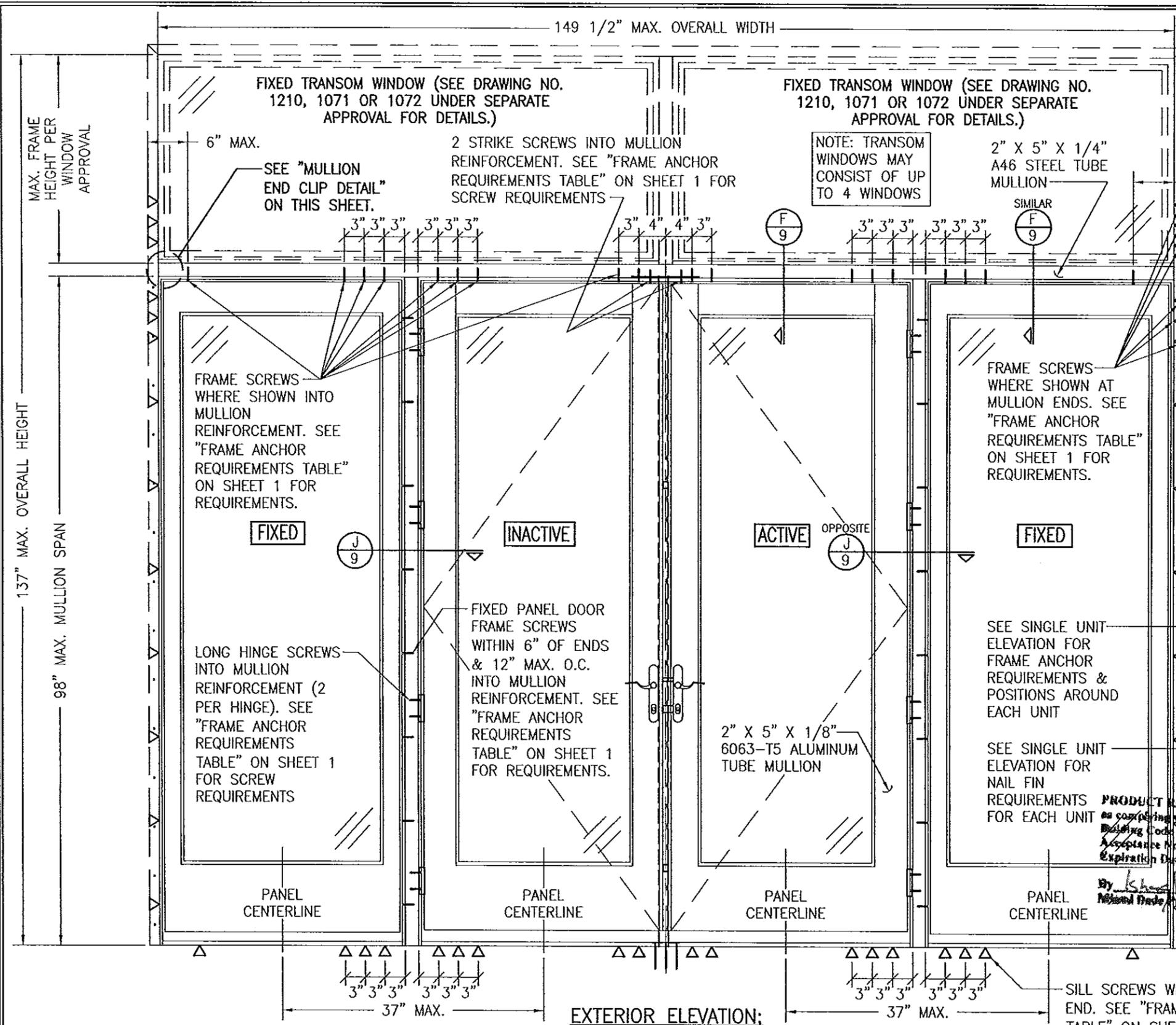
1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
2. OXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.

**ALLOWABLE DESIGN PRESSURE  
(DOUBLE DOOR WITH FIXED PANELS)**  
AS CONTROLLED BY THE LESSER  
ALLOWABLE PRESSURE RATING OF THE  
INDIVIDUAL DOOR UNITS

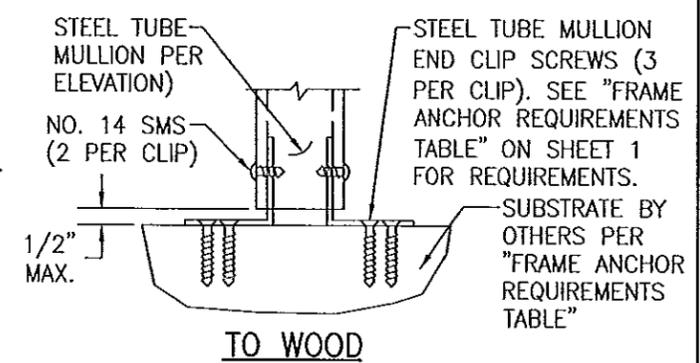
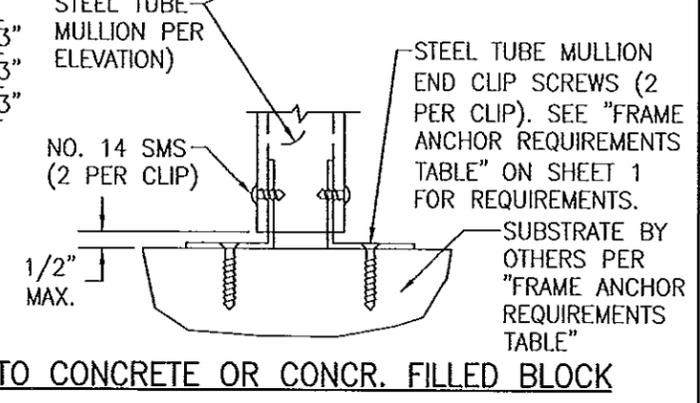
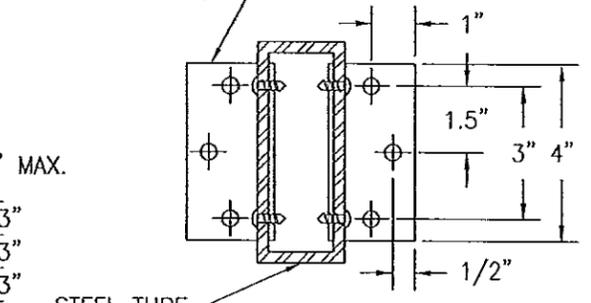
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 11-1128-04  
Expiration Date 7/17/13  
By *Warren W. Schaefer*  
Miami Date Product Control

SILL SCREWS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: I-16	DATE: 02/20/03
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE <b>LEGACY ALUMINUM CLAD OUTSWING FRENCH DOORS</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH, 33418 PALM BEACH GARDENS, FL PHONE: 561-744-3424	
MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b> ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION <b>FEB 23 2012</b>	P.E. NO. 44135 <b>WARREN W. SCHAEFER</b>
DRAWING NO. <b>1211</b>	REV. <b>D</b>
SHEET NO. <b>5 OF 11</b>	



2" X 2" X 4" MULLION  
 END CLIP (1/8"  
 6061-T6 ALUM. OR 12  
 GA. GALV. STEEL)



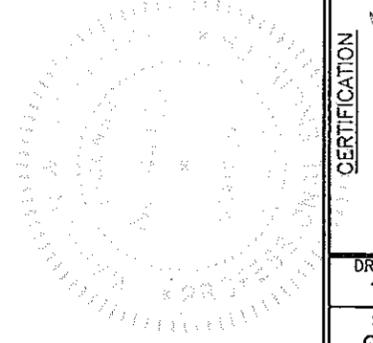
**MULLION END CLIP DETAIL**  
 (APPLICABLE TO TRANSOM MULLION  
 ON THIS SHEET ONLY)

**MULLION END CLIP NOTES:**  
 SUPPORTING SUBSTRATE MUST BE  
 DESIGNED BY OTHERS TO SUPPORT  
 THE LOADS FROM THE MULLION ENDS.

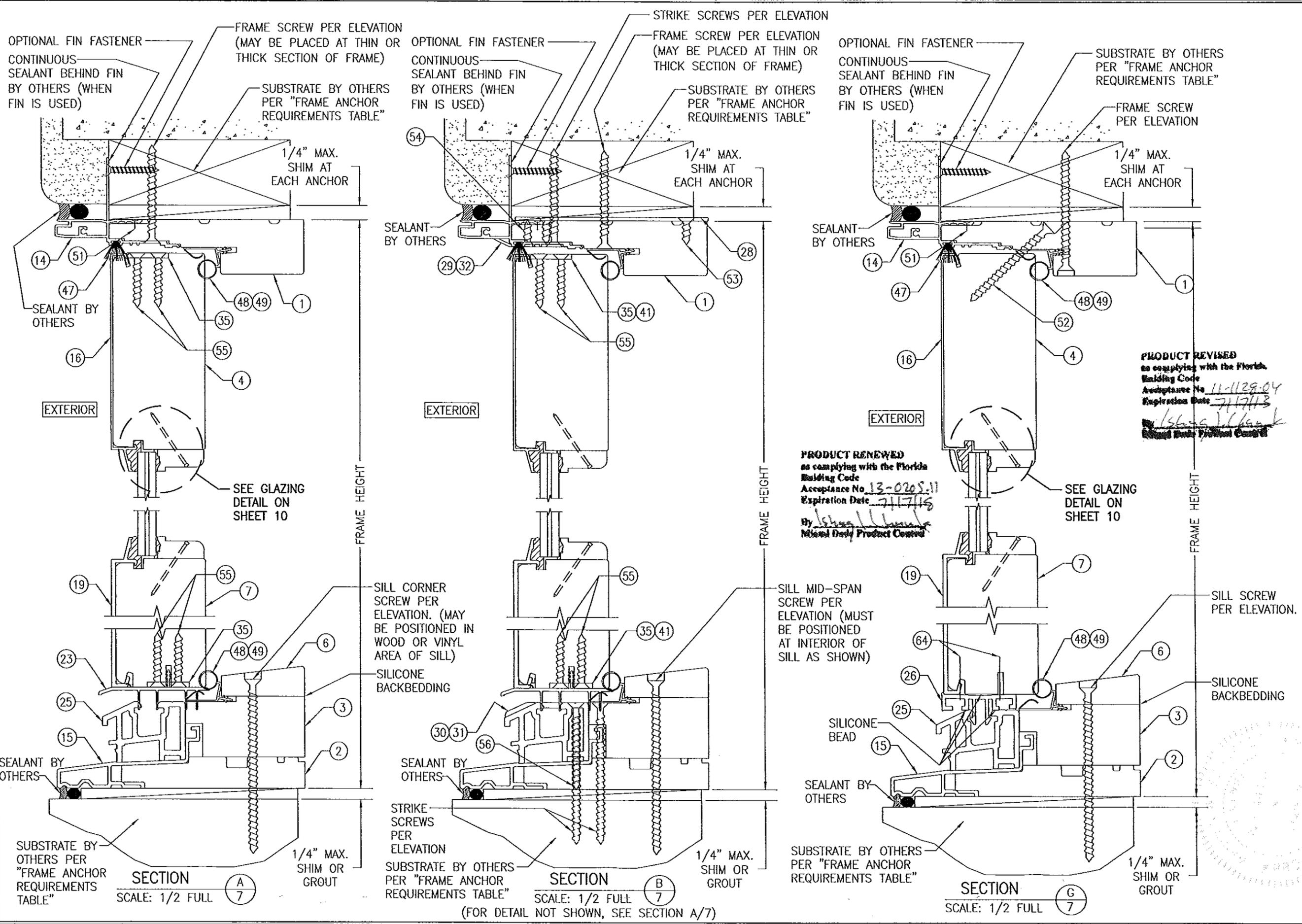
**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 13-0205-11  
 Expiration Date 7/17/15  
 By: [Signature]  
 [Signature]

- MULTIPLE UNIT NOTES:**
- FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
  - OXOXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.

**ALLOWABLE DESIGN PRESSURE**  
 (DOORS MULLED SIDE-BY-SIDE  
 WITH TRANSOMS)  
 AS CONTROLLED BY THE LESSER  
 ALLOWABLE PRESSURE RATING OF THE  
 INDIVIDUAL DOOR OR TRANSOM WINDOW(S)



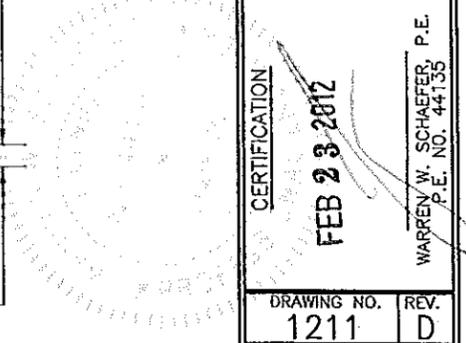
DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 02/20/03
NO.	REVISION DESCRIPTION
DATE	BY
DRAWING TITLE <b>LEGACY ALUMINUM CLAD OUTSWING FRENCH DOORS</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b>	MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b>
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
CERTIFICATION <b>FEB 23 2012</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44133
DRAWING NO. <b>1211</b>	REV. <b>D</b>
SHEET NO. <b>6 OF 11</b>	

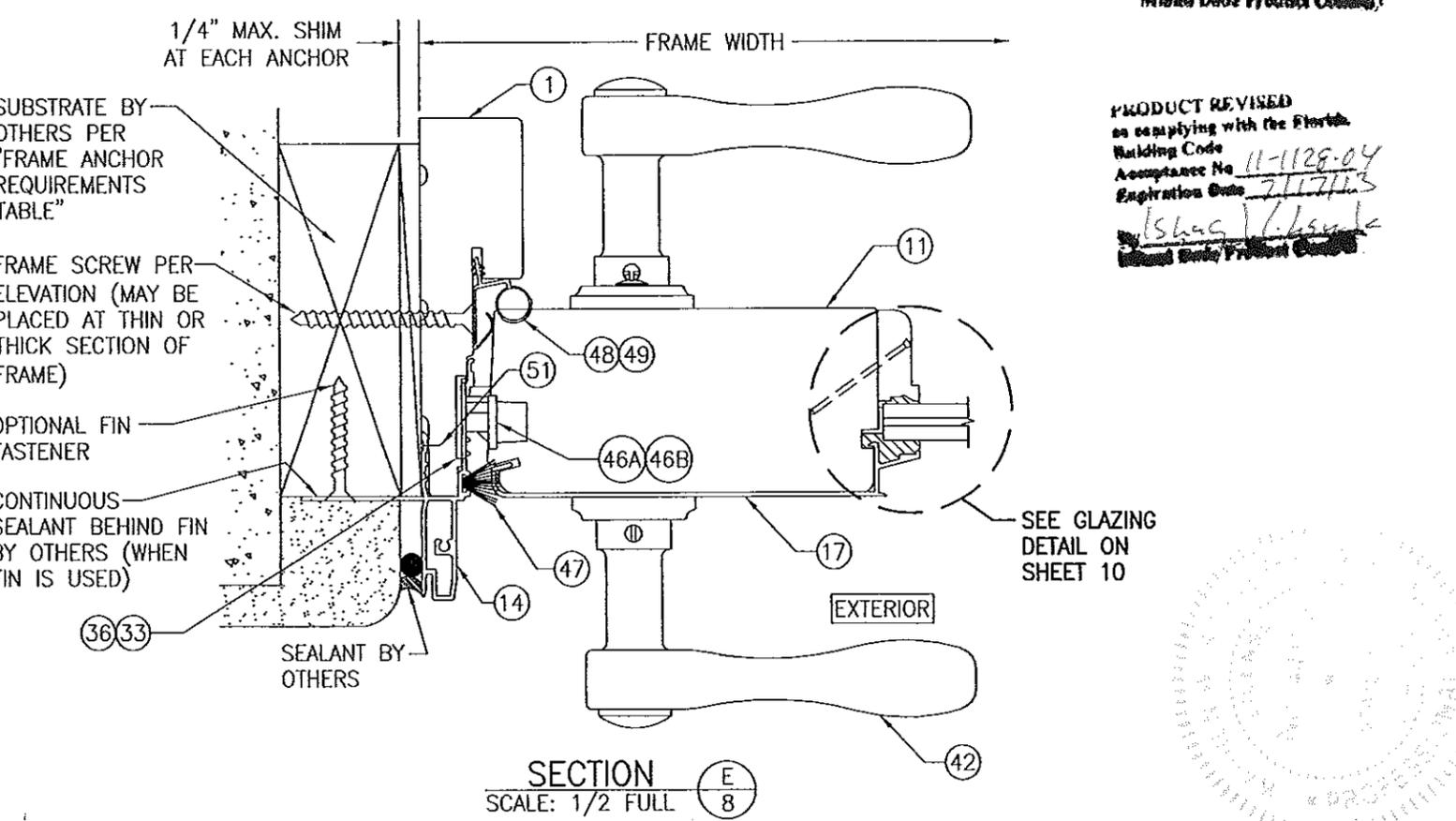
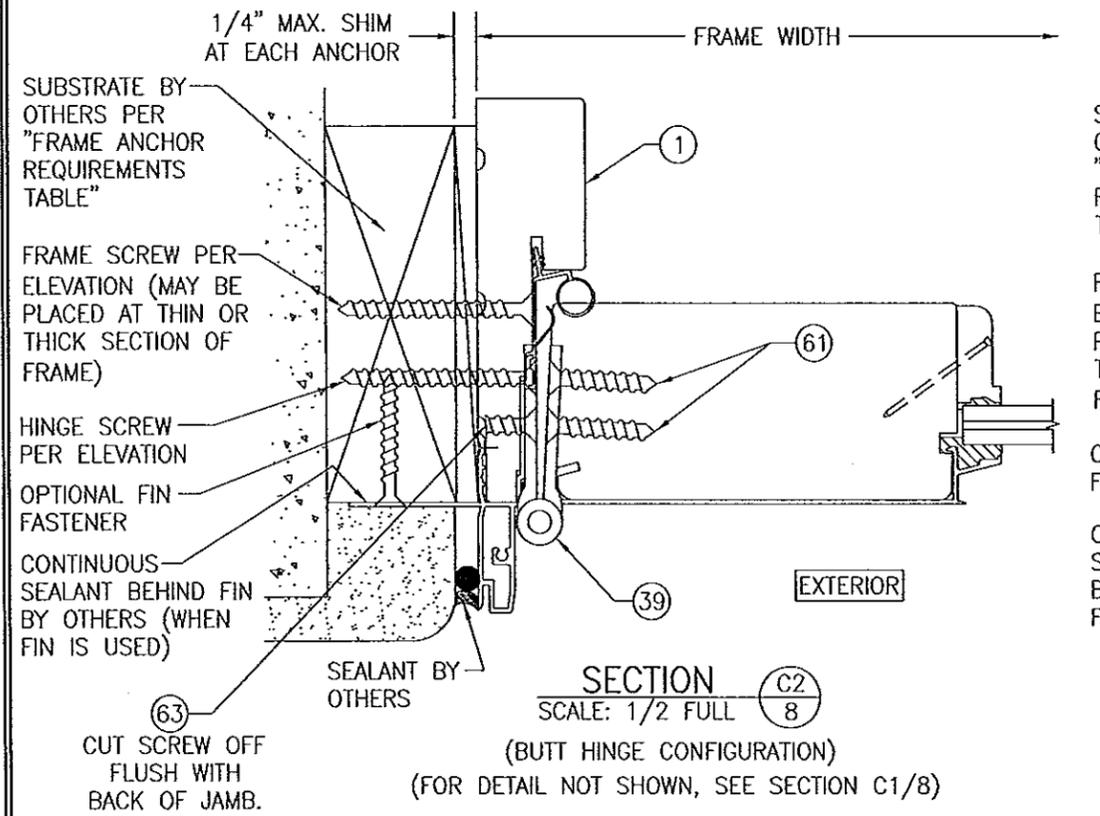
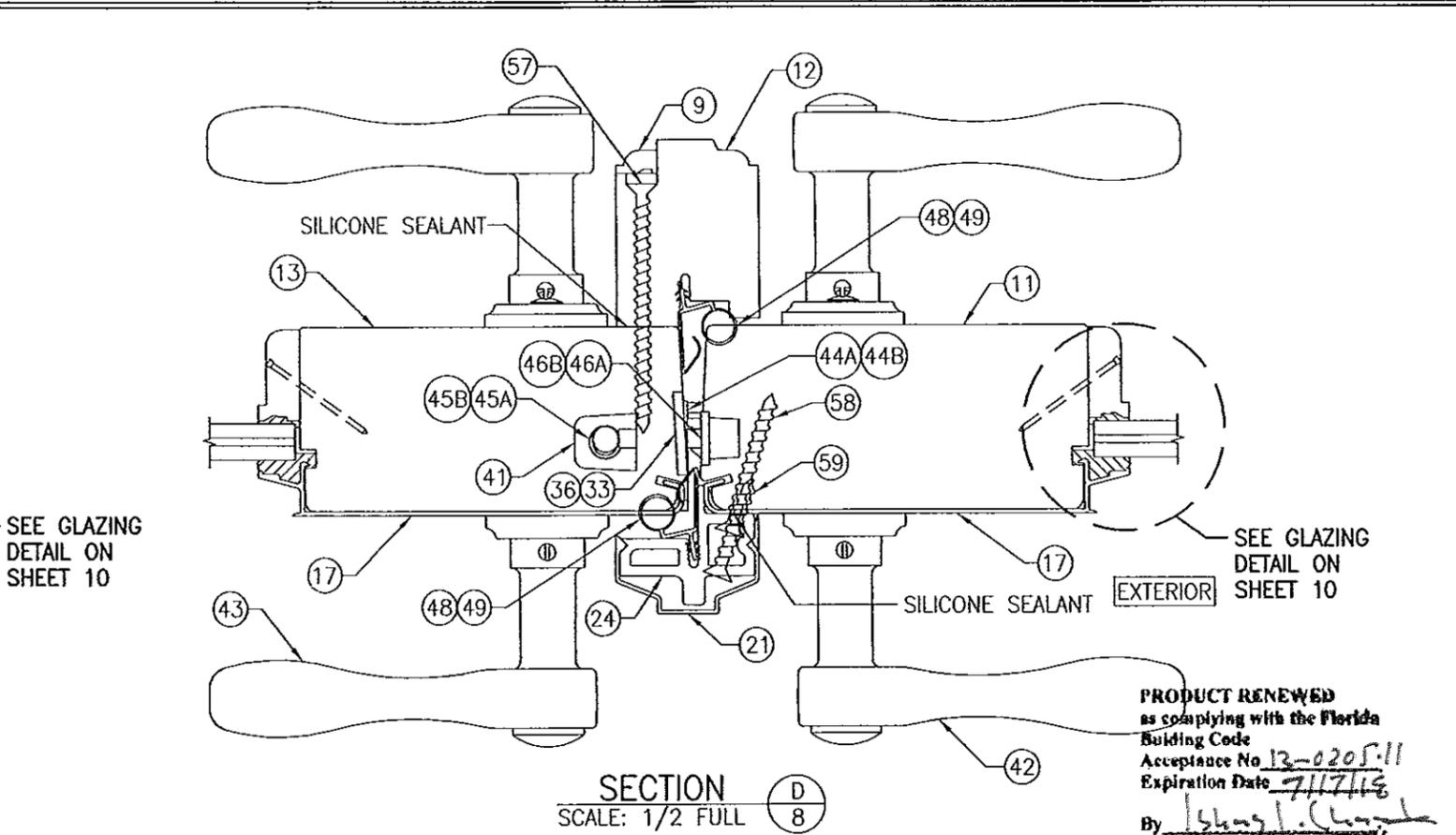
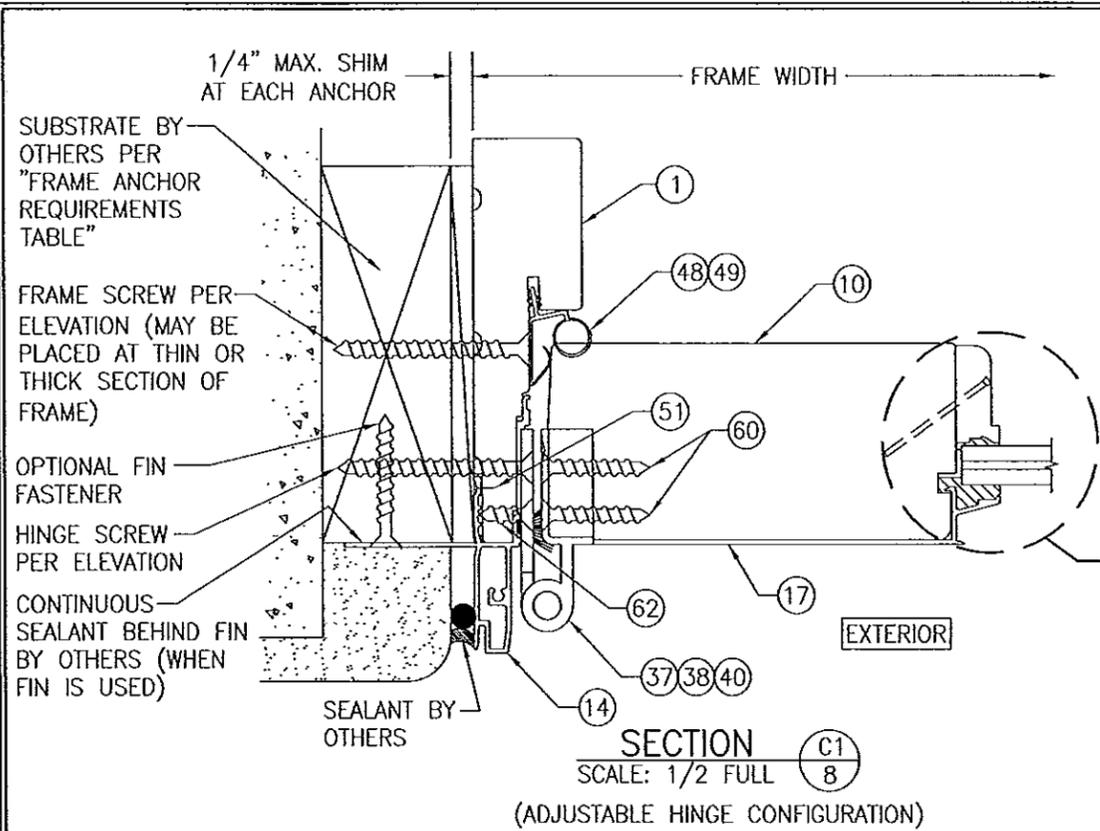


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PLOT: 1-2		DATE: 02/20/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE <b>ALUMINUM CLAD FRENCH OUTSWING DOORS</b>			
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b> ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION <b>FEB 23 2012</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. <b>1211</b>		REV. <b>D</b>	
SHEET NO. <b>7 of 11</b>			

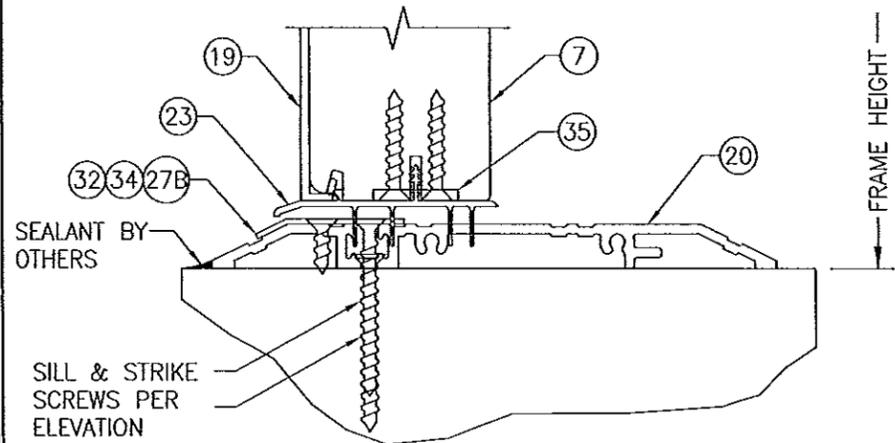
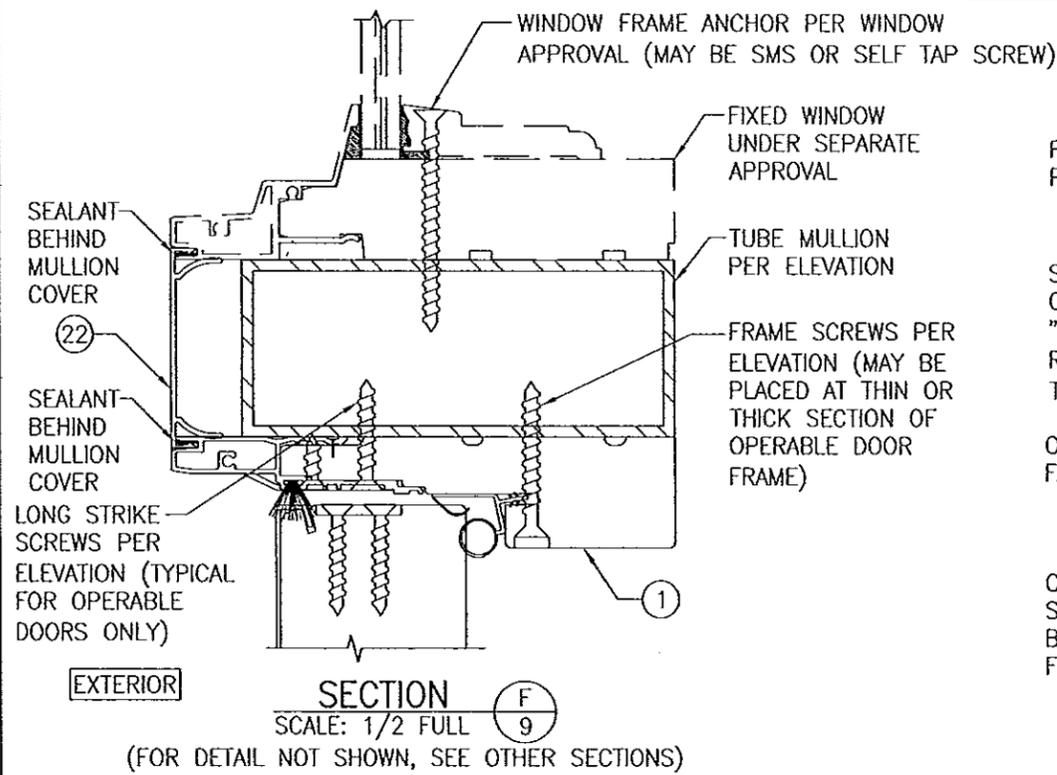
**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 11-1129.04  
Expiration Date 7/17/13  
*[Signature]*  
Miami Daily Product Control

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 13-0205.11  
Expiration Date 7/17/15  
*[Signature]*  
Miami Daily Product Control

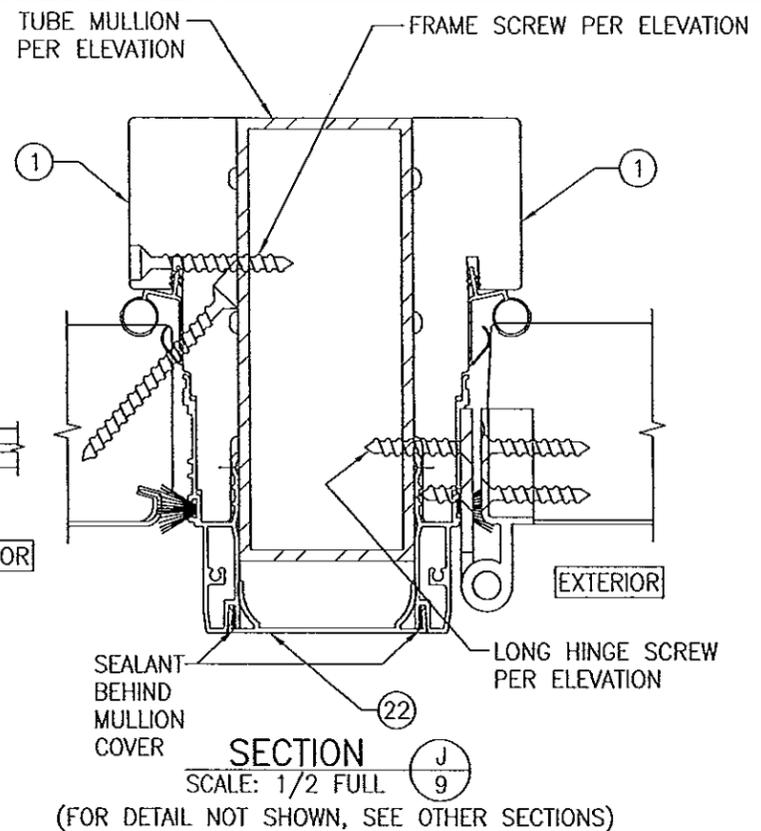
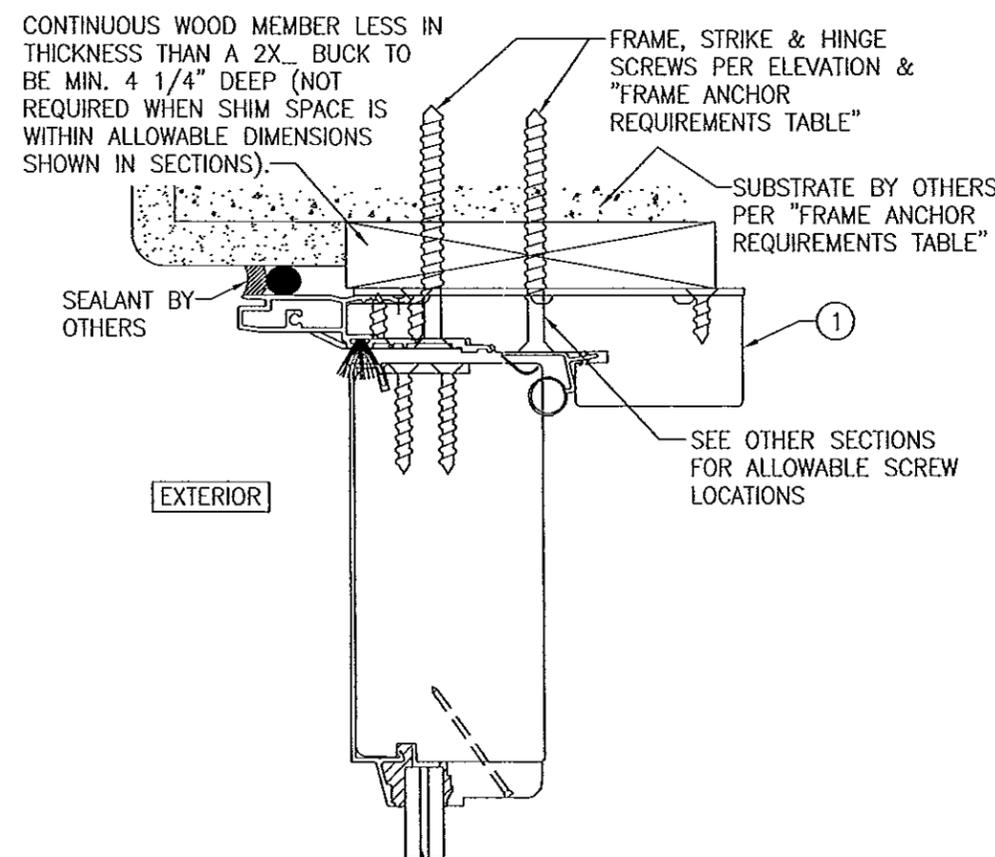
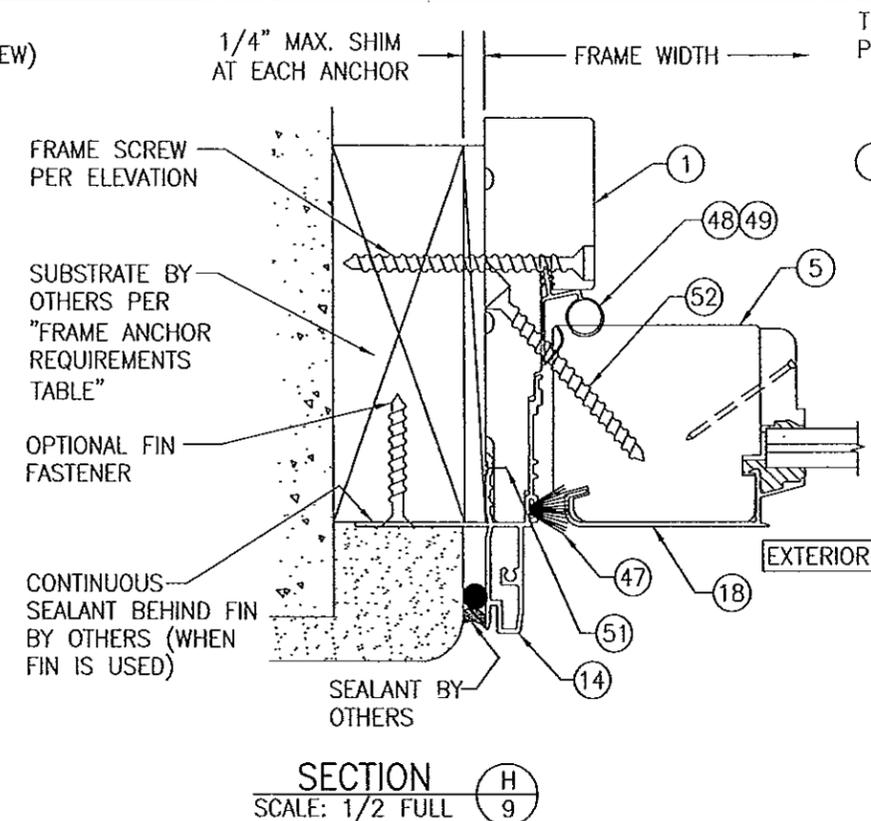




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PLOT: 1-2	DATE: 02/20/03
DATE	BY
NO.	REVISION DESCRIPTION
DRAWING TITLE <b>ALUMINUM CLAD FRENCH OUTSWING DOORS</b>	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b> ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
CERTIFICATION <b>FEB 23 2012</b>	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. <b>1211</b>	REV. <b>D</b>
SHEET NO. <b>8 OF 11</b>	

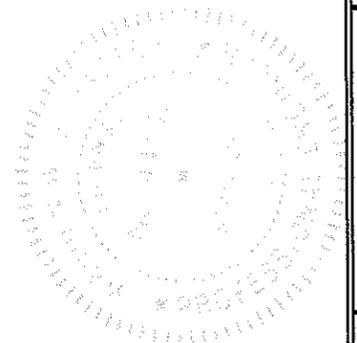


\* USE OF THE ADA THRESHOLD IS ACCEPTABLE ONLY WHEN THE DOOR IS INSTALLED IN NONHABITABLE AREAS WHERE THE DOOR ASSEMBLY & AREA ARE DESIGNATED TO ACCEPT WATER INFILTRATION OR IF INSTALLED BELOW AN OVERHANG WHERE THE OVERHANG (OH) RATIO IS EQUAL TO OR MORE THAN 1 (OH RATIO = OH LENGTH/OH HEIGHT).

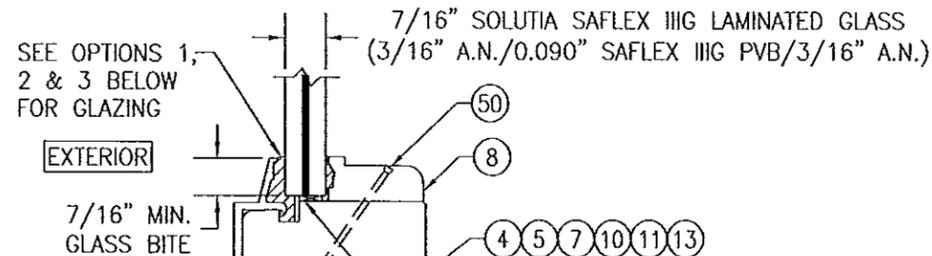


**PRODUCT RENEWED**  
as complying with the Florida Building Code  
Acceptance No. 13-0205-11  
Expiration Date 7/17/18  
By *Ismael L. Chavez*  
Miami Dade Product Control

**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No. 16-1128-04  
Expiration Date 7/17/18  
By *Ismael L. Chavez*  
Miami Dade Product Control



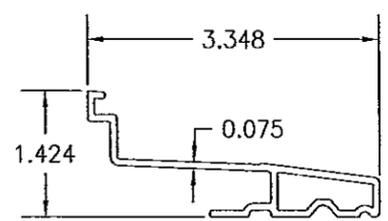
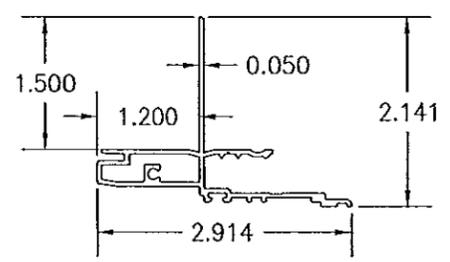
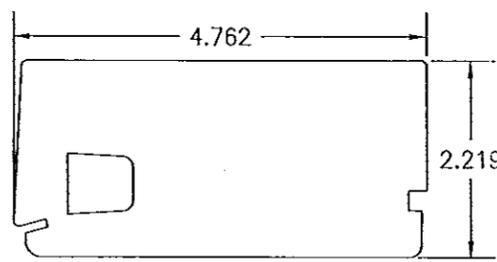
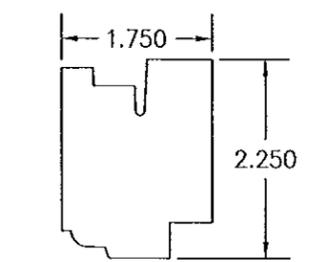
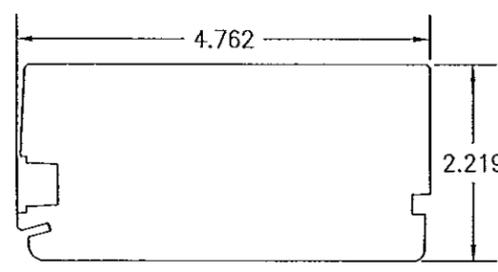
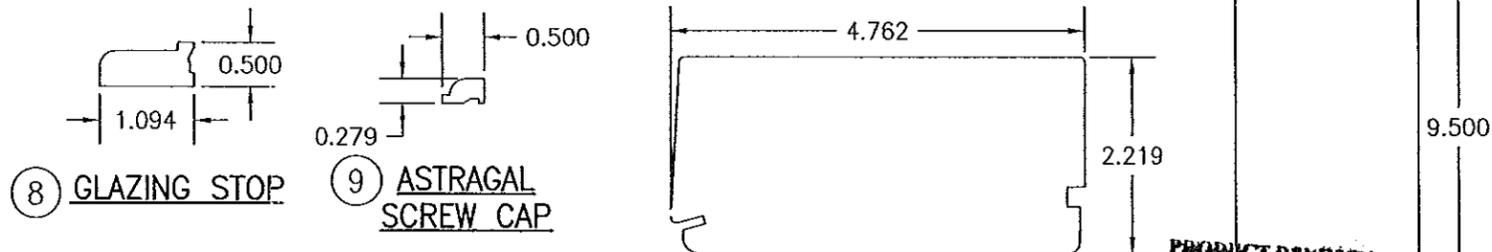
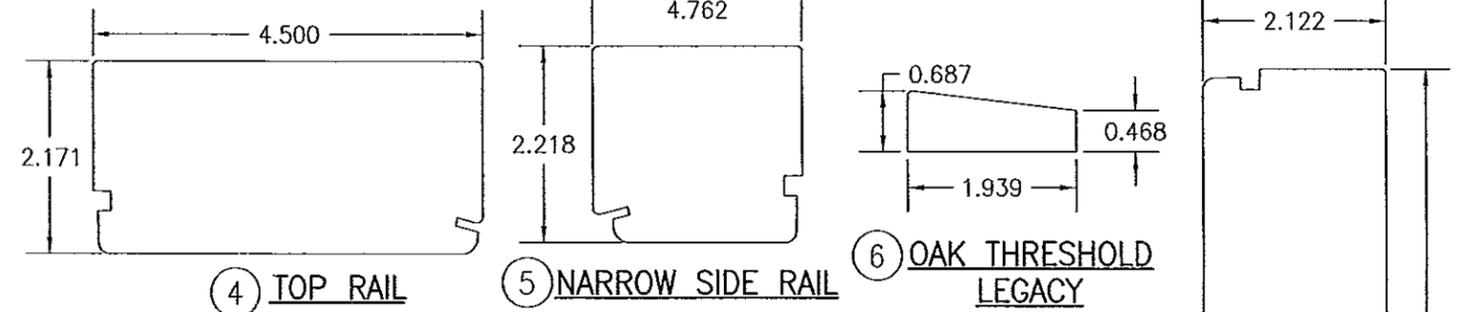
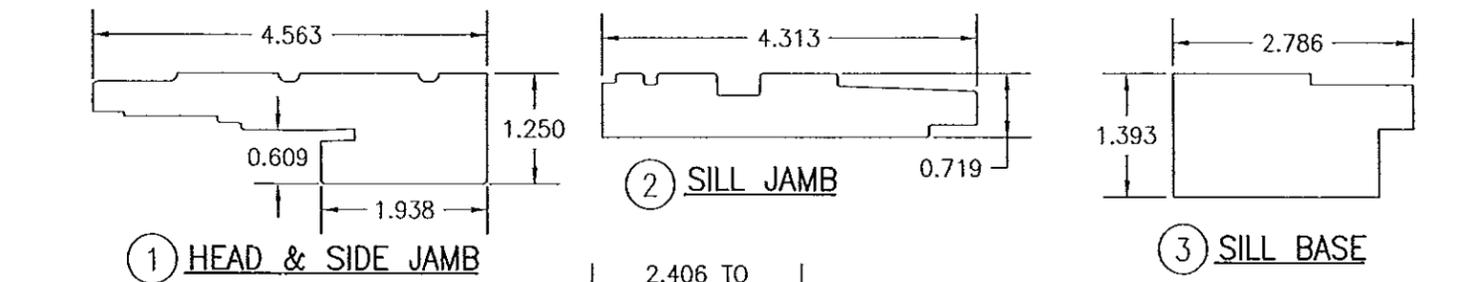
DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/20/03
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE: ALUMINUM CLAD FRENCH OUTSWING DOORS	
MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	
7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION	
FEB 23 2012	
DRAWING NO.	REV.
1211	D
SHEET NO.	
9	OF 11



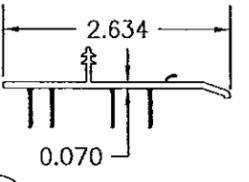
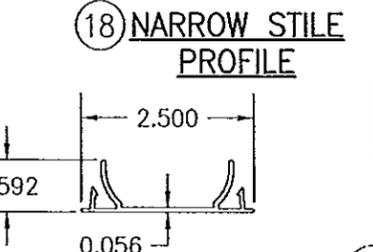
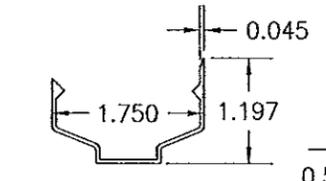
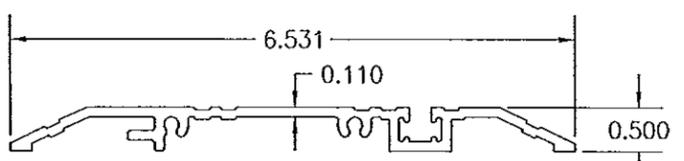
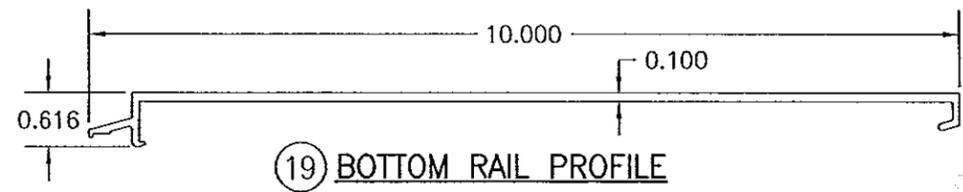
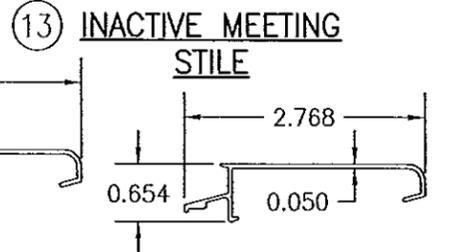
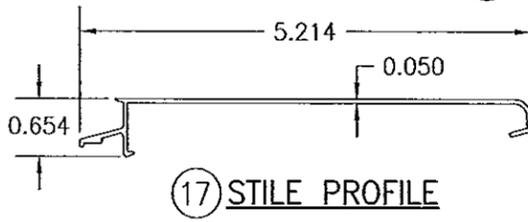
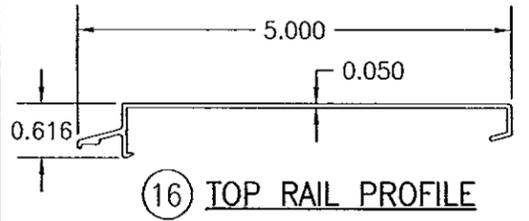
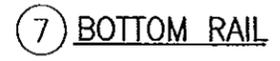
**GLAZING DETAIL**

- SEE NOTE BELOW
- GLAZING OPTION 1) NOVA GUARD BC4-121 STRUCTURAL SILICONE @ INTERIOR & NOVA GUARD M418 STRUCTURAL SILICONE @ EXTERIOR
  - GLAZING OPTION 2) GE SILGLAZE HC STRUCTURAL SILICONE @ INTERIOR & GE ULTRA GLAZE STRUCTURAL SILICONE @ EXTERIOR
  - GLAZING OPTION 3) DOW CORNING 899 STRUCTURAL SILICONE @ INTERIOR & GE ULTRA GLAZE STRUCTURAL SILICONE @ EXTERIOR
  - GLAZING OPTION 4) GE 1311 SILGLAZE HC STRUCTURAL SILICONE @ INTERIOR & GE RAPIDSTRENGTH SILGLAZE STRUCTURAL SILICONE @ EXTERIOR
  - GLAZING OPTION 5) DOW CORNING 899 STRUCTURAL SILICONE @ INTERIOR & DOW INSTANTGLAZE STRUCTURAL SILICONE @ EXTERIOR
  - GLAZING OPTION 6) SIKA SIKAFLEX 552 STRUCTURAL SILICONE @ INTERIOR & EXTERIOR
  - GLAZING OPTION 7) SIKA SIKAFLEX 552 AT INTERIOR & NATIONAL STARCH PERFECT GLAZE H AT EXTERIOR

**NOTE: GLAZING OPTIONS 1, 2 & 3 ONLY ALLOWABLE FOR D.L.O. 25 7/16" X 79 15/16" AND SMALLER. GLAZING OPTIONS 4, 5, 6 & 7 ARE ALLOWABLE FOR ALL SIZES.**



**PRODUCT REVISED**  
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Expiration Date 7/17/16  
By *Isaac Ilhan*  
Miami Dade Product Control



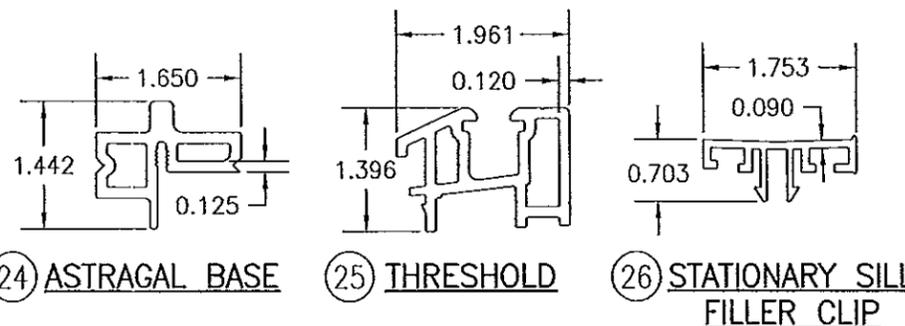
**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 11-1128-04  
Expiration Date 7/17/13  
By *Isaac Ilhan*  
Miami Dade Product Control

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 02/20/03	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: ALUMINUM CLAD FRENCH OUTSWING DOORS			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
7480 150TH COURT NORTH, PALM BEACH GARDENS, FL 33418		ONE WEATHER SHIELD PLAZA, MEDFORD, WI 54451	
PHONE: 561-744-3424		715-748-6555	
CERTIFICATION: FEB 23 2012			
DRAWING NO. 1211		REV. D	
SHEET NO. 10 OF 11			

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	HEAD & SIDE JAMB	* WOOD
2	SILL JAMB	* WOOD
3	SILL BASE	* WOOD
4	TOP RAIL	* WOOD
5	NARROW SIDE RAIL	* WOOD
6	OAK THRESHOLD LEGACY	* WOOD
7	BOTTOM RAIL	* WOOD
8	GLAZING STOP	* WOOD
9	ASTRAGAL SCREW CAP	* WOOD
10	HINGE STILE	* WOOD
11	LOCK STILE	* WOOD
12	INTERIOR ASTRAGAL	* WOOD
13	INACTIVE MEETING STILE	* WOOD
14	HEAD & SIDE FRAME CLADDING	6063-T5 OR 6063-T4 ALUMINUM
15	SILL JAMB CLADDING	6063-T5 ALUMINUM
16	TOP RAIL PROFILE	6063-T5 ALUMINUM
17	STILE PROFILE	6063-T5 ALUMINUM
18	NARROW STILE PROFILE	6063-T5 ALUMINUM
19	BOTTOM RAIL PROFILE	6063-T5 ALUMINUM
20	HANDICAP SILL	6063-T5 ALUMINUM
21	EXTERIOR ASTRAGAL COVER	6063-T5 ALUMINUM
22	MULLION COVER	6063-T5 ALUMINUM
23	BOTTOM SWEEP	VINYL
24	ASTRAGAL BASE	6063-T5 ALUMINUM
25	THRESHOLD	VINYL
26	STATIONARY SILL FILLER CLIP	VINYL
27A	GROMMET	PVC
27B	SINGLE PANEL GROMMET	PVC
28	HEAD JAMB BACKER PLATE (10.125" X 4.50" X .080")	STAINLESS STEEL
29	SINGLE DOOR TOP BOLT STRIKE PLATE (1.495" X 1.320" X .119")	304 S.S.
30	SINGLE DOOR SILL BOLT STRIKE PLATE (2.853" X .800" X .120")	304 S.S.
31	DOUBLE DOOR SILL STRIKE PLATE (4.000" X 2.817" X .125")	304 S.S.
32	DOUBLE DOOR HEAD STRIKE PLATE (5.634" X 1.762" X .060")	304 S.S.
33	TONGUE STIKE PLATE (5.000" X 1.000" X .059")	304 S.S.
34	ADA SINGLE DOOR STRIKE PLATE (3.028" X 1.000" X .060")	304 S.S.
35	PANEL CORNER REINFORCEMENT BAR (10.100" X 1.000" X .120")	304 S.S. - 1 PER PANEL CORNER
36	SINGLE DOOR STILE LOCK STRIKE (9.331" X 1.320" X .118")	304 S.S.

\* WOOD USED IN TESTING WAS WESTERN PINE. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY WEATHER SHIELD TO SELECT.

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
HARDWARE		
37	VERTICAL ADJUSTABLE HINGE (PLATED STEEL OR S.S.)	VARIANT HEAVY DUTY OR MILLENIUM STANDARD
38	HORIZONTAL ADJUSTABLE HINGE (PLATED STEEL OR S.S.)	VARIANT HEAVY DUTY OR MILLENIUM STANDARD
39	4" X 4" BUTT HINGE (PLATED STEEL OR S.S.)	HAGER 1191
40	VARIANT HINGE (PLATED STEEL OR S.S.)	SIMONS-WERK
41	10 MM SHOOT BOLT GUIDE	NYLON 6, 30% GLASS FIBER
42	ACTIVE HANDLE SET WITH KEYED CYLINDER	AS REQUIRED TO OPERATE DOOR LOCKS
43	INACTIVE HANDLE SET	AS REQUIRED TO OPERATE DOOR LOCKS
44A	2-POINT CONCEALED INACTIVE PANEL LOCK SET	HOPPE
44B	2-POINT CONCEALED INACTIVE PANEL LOCK SET	ASHLAND XP45
45A	.38 TOP & BOTTOM EXTENSION ROD CONCEALED	HOPPE NORTH AMERICA HLS SERIES
45B	.38 TOP & BOTTOM EXTENSION ROD CONCEALED	ASHLAND XP45
46A	5-POINT ACTIVE PANEL LOCK ASSY. W/SHOOT BOLTS	HOPPE NORTH AMERICA HLS 9000 SERIES
46B	5-POINT ACTIVE PANEL LOCK ASSY. W/SHOOT BOLTS	ASHLAND XP45
SEALS & SEALANTS		
47	HEAD & SIDE TFT WEATHERSTRIP	POLYPROPYLENE
48	INTEK ARLOC WEATHERSTRIP	VINYL
49	AMESBURY WEATHERSTRIP	VINYL
FASTENERS		
50	F16 X 1 1/2" BRAD NAIL	2" FROM ENDS & 13" MAX. O.C.
51	3/16" X 1/2" STAPLE	3" FROM ENDS & 20" MAX. O.C.
52	NO. 8 X 2 1/2" DRYWALL SCREW	3" FROM ENDS & 16" MAX. O.C.
53	NO. 7 X 5/8" FH WOOD SCREW	8 PER HEAD JAMB BACKER PLATE
54	NO. 7 X 5/8" FH WOOD SCREW	2 PER HEAD STRIKE PLATE
55	NO. 8 X 1 1/4" WOOD SCREW	4 PER CORNER REINFORCEMENT PLATE
56	NO. 8 X 1 1/2" FH SMS SCREW	1 PER SINGLE/2 PER DOUBLE STRIKE PLATE
57	NO. 8 X 3" FH WOOD SCREW	2" FROM ASTRAGAL ENDS & 6" O.C.
58	NO. 8 X 2" FH DRYWALL SCREW	1 1/2" & 2 1/2" FROM PANEL ENDS
59	NO. 8 X 1 1/4" WOOD SCREW	10" FROM ASTRAGAL ENDS & 8" O.C.
60	NO. 8 X 1 1/4" WOOD SCREW	4 PER ADJUSTABLE HINGE INTO STILE
61	NO. 12 X 1 1/4" FH WOOD SCREW	4 PER BUTT HINGE INTO STILE
62	NO. 8 X 5/8" FH WOOD SCREW	2 PER ADJUSTABLE HINGE INTO JAMB
63	NO. 12 X 1 1/4" FH WOOD SCREW	2 PER BUTT HINGE INTO JAMB
64	NO. 18 X 1/2" X 1" S.S. STAPLE	2" FROM ENDS & 4" TO 6" O.C.



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 Miami Dade Product Control

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 Acceptance No. 13-0205-11  
 Expiration Date 7/17/15  
 By: [Signature]  
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ALUMINUM CLAD FRENCH OUTSWING DOORS	
MANUFACTURER <b>WEATHER SHIELD WINDOWS &amp; DOORS</b> ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS <b>W. W. SCHAEFER ENGINEERING &amp; CONSULTING, P.A. (CA 6809)</b> 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DRAWING TITLE	
CERTIFICATION <b>FEB 23 2012</b> WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1211	REV. D
SHEET NO. 11 OF 11	