



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1107
MIAMI, FLORIDA 33130-1563
(305) 375-2902 FAX (305) 372-6339**

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

**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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Series "Legacy" 10'0" Aluminum Clad Outswing Wood French Door – L.M.I.

APPROVAL DOCUMENT: Drawing No. 1211 rev. 'C1', titled "Legacy Alum Clad Outswing French Door", sheets 1 through 8 of 8, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 02/20/03 and last revised on 08/24/09, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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 revises NOA No. 08-0602.10 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon
1/27/10*

**NOA No. 09-0929.08
Expiration Date: July 17, 2013
Approval Date: January 27, 2010
Page 1**

Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1211**, rev. 'C1', titled "Legacy Alum. Clad Outswing French Door", sheets 1 through 8 of 8, prepared by W. W. Schaefer Engineering & Consulting, P. A., dated 02/20/03 and last revised on 08/24/09, signed and sealed by Warren W. Schaefer, P. E.

B. TESTS

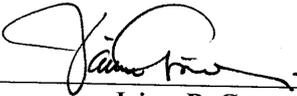
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings 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.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading 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
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
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 Reports No.'s **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.
(Submitted under previous NOA No. 04-0630.03)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, dated 5/29/08 and last revised on July 09, 2008, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P. E.
Complies with ASTM E1300-98/ 02

D. QUALITY ASSURANCE

1. Miami-Dade Building Code Compliance Office (BCCO).



Jaime D. Gascon, P. E.
Chief, Product Control Division
NOA No. 09-0929.08
Expiration Date: July 17, 2013
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Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

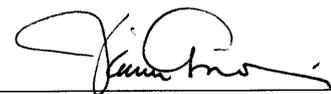
1. Notice of Acceptance No. **06-0216.06** issued to Solutia Inc. for their “**Saflex III G Clear or colored interlayer**” dated 05/04/06, expiring on 05/21/11.

F. STATEMENTS

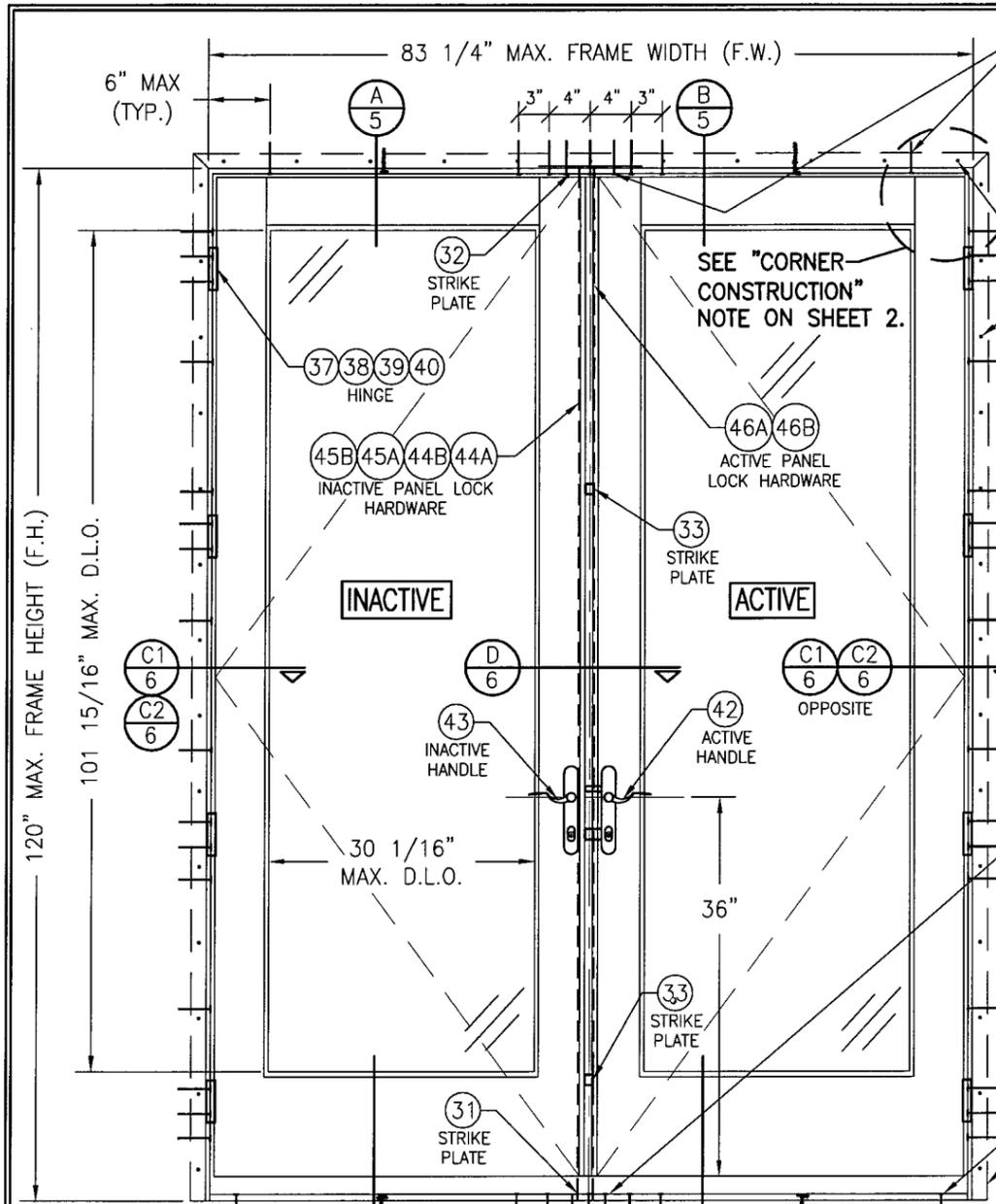
1. Statement letter of conformance, dated August 24, 2009, signed and sealed by Warren W. Schaefer, P. E.
2. Statement letter of no financial interest, dated August 24, 2009, signed and sealed by Warren W. Schaefer, P.E.
3. Laboratory compliance letter for Test Report No. **TCTCWI09003**, issued by Stork Twin City Testing Corporation, dated March 04, 2009, signed and sealed by Thomas Allan Kolden, P. E.
4. Laboratory compliance letter for Test Report No.’s **TCTCWI02016, TCTCWI02013 and TCTCWI02021**, issued by Stork Twin City Testing Corporation, dated August 20, 2002/ 3, all signed and sealed by Derrick Swanson, P. E.
(Submitted under previous NOA No. 04-0630.03)
5. 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.
(Submitted under previous NOA No. 04-0630.03)

G. OTHERS

1. Notice of Acceptance No. **08-0608.10**, issued to Weather Shield Manufacturing, Inc. for their Series “**Legacy**” **Aluminum Clad Outswing Wood French Door – L.M.I.**”, approved on August 14, 2008 and expiring on July 17, 2013.



Jaime D. Gascon, P. E.
Chief, Product Control Division
NOA No. 09-0929.08
Expiration Date: July 17, 2013
Approval Date: January 27, 2010



EXTERIOR ELEVATION: DOUBLE RECTANGULAR DOORS

TYPICAL FRAME SCREWS. PLACE ONE AT EACH HEAD JAMB CORNER, 2 AT HEAD MIDSPAN & 3 THRU STRIKE PLATE WITH DOORS 74" X 98" & SMALLER. 4 AT HEAD MIDSPAN & 3 THRU STRIKE PLATE WITH DOORS LARGER THAN 74" X 98" (50 SQ. FT.) SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR OTHER FASTENER REQUIREMENTS.

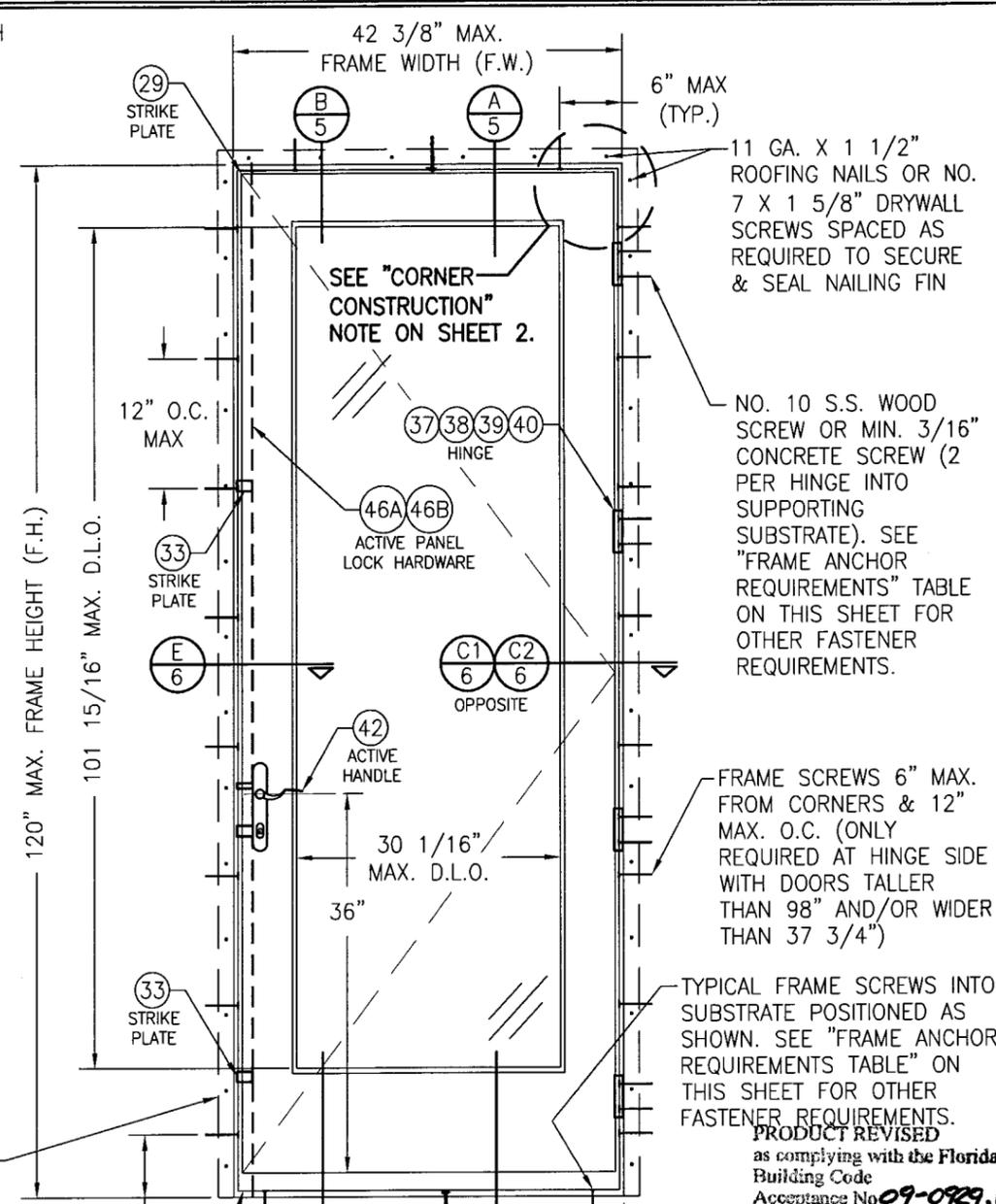
11 GA. X 1 1/2" ROOFING NAILS OR NO. 7 X 1 5/8" DRYWALL SCREWS SPACED AS REQUIRED TO SECURE & SEAL NAILING FIN

NO. 10 S.S. WOOD SCREW OR MIN. 3/16" CONCRETE SCREW (2 PER HINGE INTO SUPPORTING SUBSTRATE). SEE "FRAME ANCHOR REQUIREMENTS" TABLE ON THIS SHEET FOR OTHER FASTENER REQUIREMENTS.

FRAME SCREWS 6" MAX. FROM CORNERS & 12" MAX. O.C. (ONLY REQUIRED WITH DOORS TALLER THAN 98" AND/OR WIDER THAN 74")

TYPICAL FRAME SCREWS INTO SUBSTRATE. PLACE ONE AT EACH SILL CORNER, 2 AT SILL MIDSPAN & 3 THROUGH STRIKE PLATE WITH DOORS 74" X 98" & SMALLER. 4 AT SILL MIDSPAN & 3 THRU STRIKE PLATE WITH DOORS LARGER THAN 74" X 98" (50 SQ. FT.) SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR OTHER FASTENER REQUIREMENTS (APPLICABLE WITH BUMPER THRESHOLD. FOR ADA THRESHOLD CONDITION, SEE "ADA SILL DETAIL" ON SHEET 7).

NAILING FIN IS OPTIONAL & MAY BE SCORED AND REMOVED WHEN REQUIRED FOR A DIRECT MOUNT CONDITION. (NAIL FIN SHALL NOT ACT AS A SUBSTITUTE FOR THE FRAME SHEAR SCREWS SPECIFIED)



EXTERIOR ELEVATION: SINGLE RECTANGULAR DOOR

11 GA. X 1 1/2" ROOFING NAILS OR NO. 7 X 1 5/8" DRYWALL SCREWS SPACED AS REQUIRED TO SECURE & SEAL NAILING FIN

NO. 10 S.S. WOOD SCREW OR MIN. 3/16" CONCRETE SCREW (2 PER HINGE INTO SUPPORTING SUBSTRATE). SEE "FRAME ANCHOR REQUIREMENTS" TABLE ON THIS SHEET FOR OTHER FASTENER REQUIREMENTS.

FRAME SCREWS 6" MAX. FROM CORNERS & 12" MAX. O.C. (ONLY REQUIRED AT HINGE SIDE WITH DOORS TALLER THAN 98" AND/OR WIDER THAN 37 3/4")

TYPICAL FRAME SCREWS INTO SUBSTRATE POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR OTHER FASTENER REQUIREMENTS.

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 09-0929-08 Expiration Date 07/17/2013

By *[Signature]* Miami Dade Product Control Division

- GENERAL NOTES:** SCALE: 3/4" = 1'-0"
- THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
 - OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
 - 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.
 - 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.
 - 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).
 - IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
 - 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.
 - 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 WHEN USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.0 OF THE ASCE 7 STANDARD.
 - 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.
 - 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.
 - 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 ANCHOR REQUIREMENTS TABLE			
OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBEDMENT	MINIMUM EDGE DIST.
2X WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS SCREW	1 1/4"	3/4"
(2) C-90 CMU OR MIN. 2500 PSI CONCRETE	(1) 3/16" CONCR. SCREW	1 1/4"	2"
(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).			
(2) CMU IS NOT APPLICABLE AT THE HEAD & SILL (ONLY APPLICABLE AT SIDES)			

ALLOWABLE DESIGN LOAD
SEE SHEET 2

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

***SHEAR SCREW ANCHOR NOTE:** FRAME MAY BE EITHER DIRECT MOUNTED TO THE OPENING, MOUNTED ONTO A CONTINUOUS SPACER, OR ANCHORED TO A MIN. 2x4 NO. 3 SOUTHERN PINE WOOD BUCK. WHEN ANCHORED TO A 2x4 BUCK, NO. 10 SCREWS SHALL BE USED. WHEN DIRECT MOUNTED OR MOUNTED WITH SPACER, 3/16" CONCRETE SCREW SHALL BE USED. SEE "FRAME ANCHOR REQUIREMENTS TABLE" FOR EMBED REQUIREMENTS. PROPER MATERIAL SHALL BE USED BETWEEN ALL DISIMILAR MATERIALS (BLOCK/CONCRETE & ALUMINUM).

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=16		DATE: 02/20/03	
NO.	REVISION DESCRIPTION & NOTES	DATE	BY
A1	REVISED DIMENSIONS & NOTES TO ALLOW LARGER DOORS	05/28/04	K.P.S.
B1	UPDATE TO PRESENT STANDARDS	07/09/08	W.W.S.
C1	NEW LOCK & GLAZING	02/07/09	W.R.M.

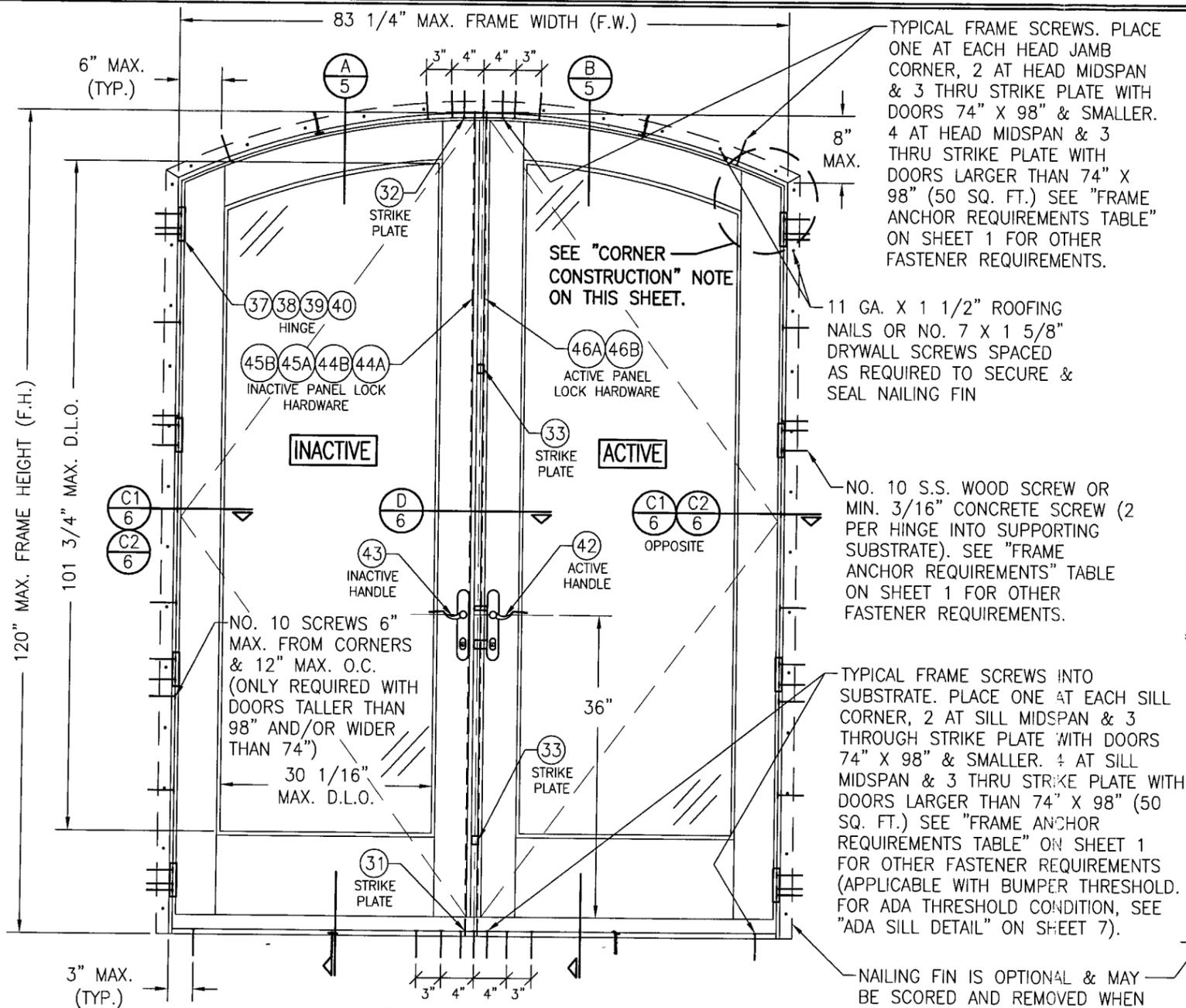
DRAWING TITLE: LEGACY ALUMINUM CLAD OUTSWING FRENCH DOORS

MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

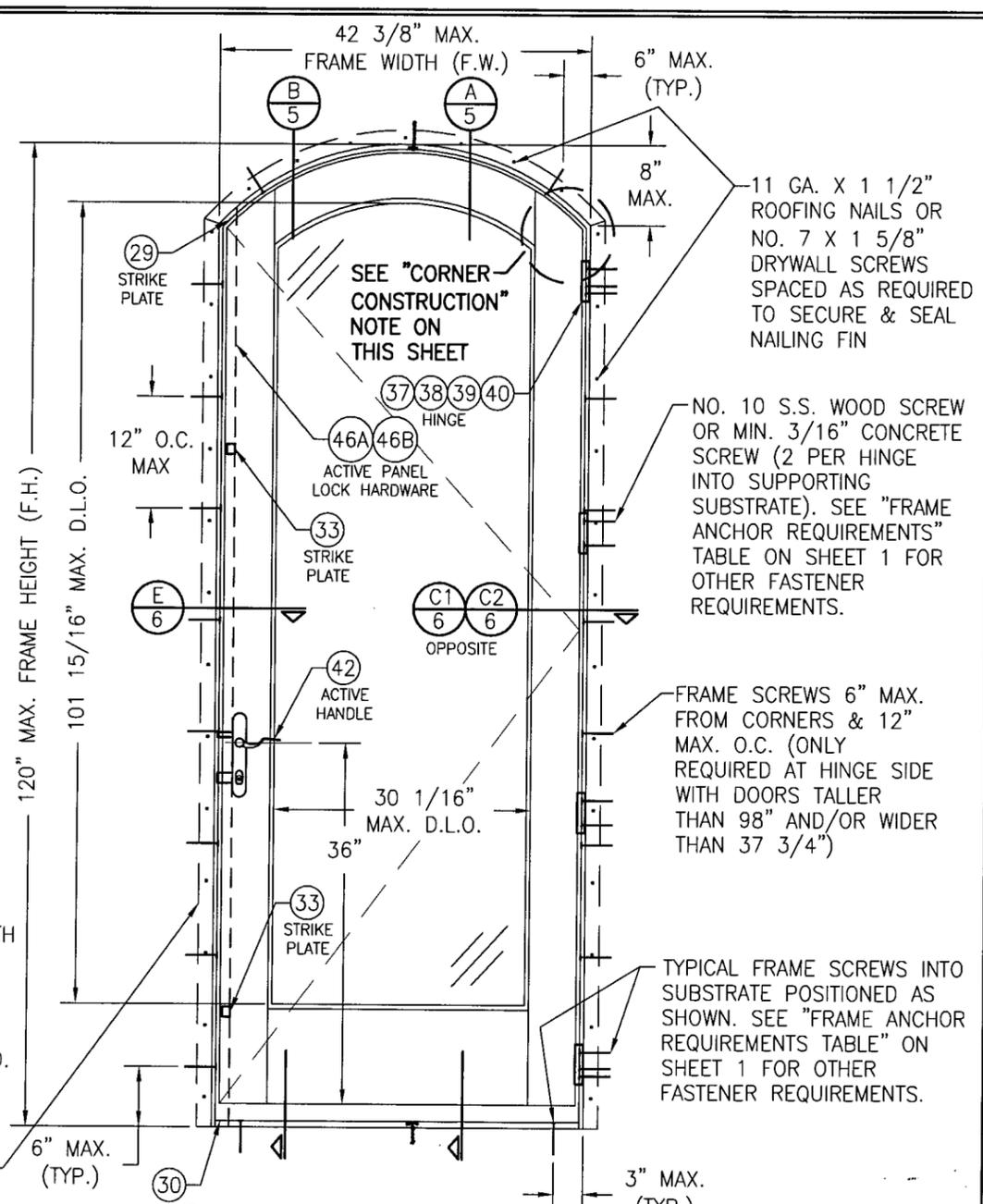
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
8895 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION: AUG 24 2009
W. W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.: 1211
REV.: C
SHEET NO.: 1 OF 8



**EXTERIOR ELEVATION
DOUBLE EYEBROW TOP OUTSWING DOOR**
SCALE: 3/4" = 1'-0"



**EXTERIOR ELEVATION
SINGLE EYEBROW TOP OUTSWING DOOR**
SCALE: 3/4" = 1'-0"

TYPICAL FRAME SCREWS. PLACE ONE AT EACH HEAD JAMB CORNER, 2 AT HEAD MIDSPAN & 3 THRU STRIKE PLATE WITH DOORS 74" X 98" & SMALLER. 4 AT HEAD MIDSPAN & 3 THRU STRIKE PLATE WITH DOORS LARGER THAN 74" X 98" (50 SQ. FT.) SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR OTHER FASTENER REQUIREMENTS.

11 GA. X 1 1/2" ROOFING NAILS OR NO. 7 X 1 5/8" DRYWALL SCREWS SPACED AS REQUIRED TO SECURE & SEAL NAILING FIN

NO. 10 S.S. WOOD SCREW OR MIN. 3/16" CONCRETE SCREW (2 PER HINGE INTO SUPPORTING SUBSTRATE). SEE "FRAME ANCHOR REQUIREMENTS" TABLE ON SHEET 1 FOR OTHER FASTENER REQUIREMENTS.

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FRAME SCREWS 6" MAX. FROM CORNERS & 12" MAX. O.C. (ONLY REQUIRED AT HINGE SIDE WITH DOORS TALLER THAN 98" AND/OR WIDER THAN 37 3/4")

TYPICAL FRAME SCREWS INTO SUBSTRATE POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR OTHER FASTENER REQUIREMENTS.

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.

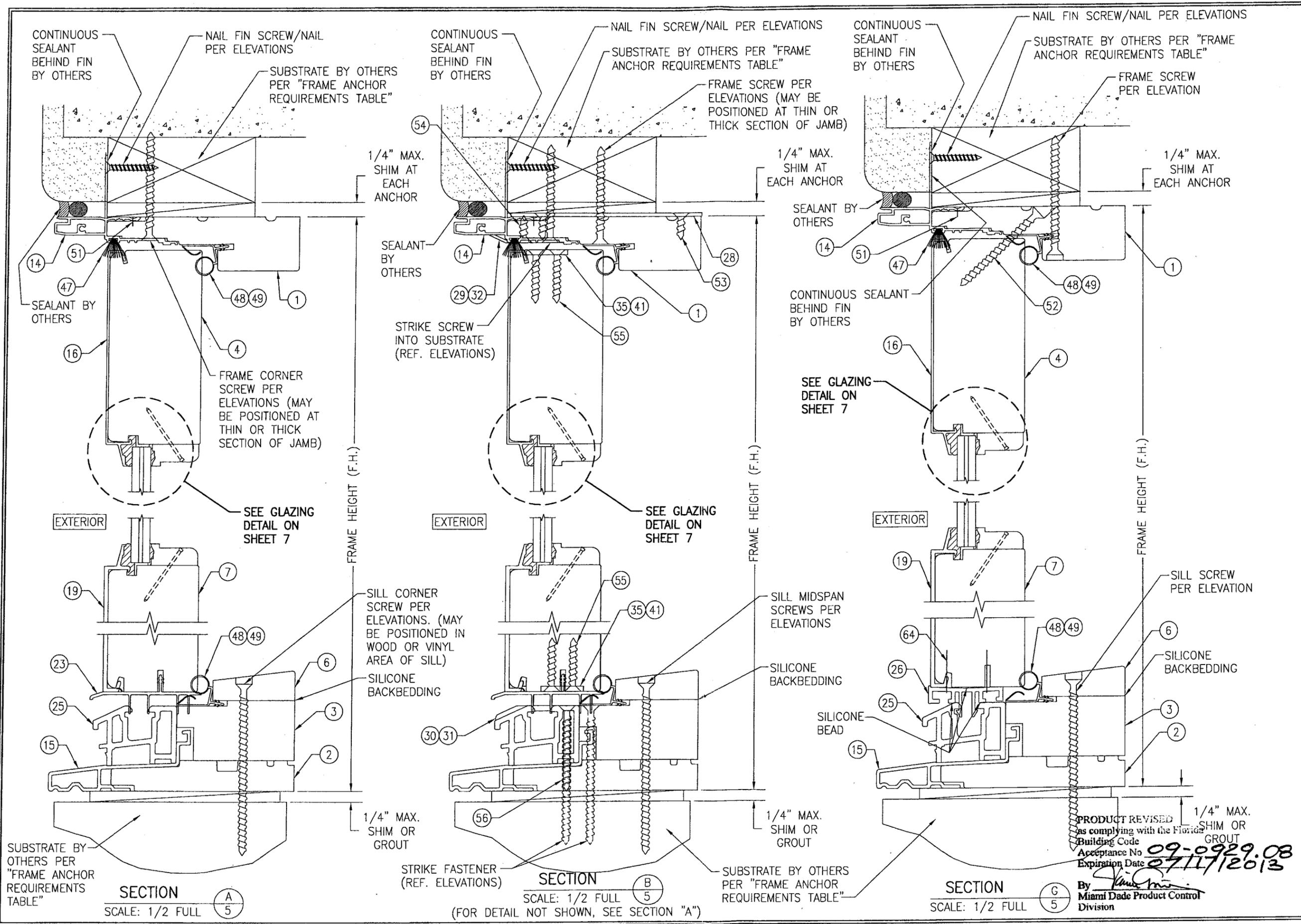
THE ALUMINUM MEMBERS ARE SLIP FITTED TO THE ADJACENT PANEL MEMBER AT EACH CORNER.

ALLOWABLE DESIGN LOAD (PSF)

SINGLE DOORS WITH MAX. F.H. = 98" & MAX. F.W. = 37 3/4"	+60/-75
SINGLE DOORS WITH F.H. GREATER THAN 98" OR F.W. GREATER THAN 37 3/4"	+60/-60
DOUBLE DOORS WITH MAX. F.H. = 98" & MAX. F.W. = 74"	+60/-75
DOUBLE DOORS WITH F.H. GREATER THAN 98" OR F.W. GREATER THAN 74"	+60/-60

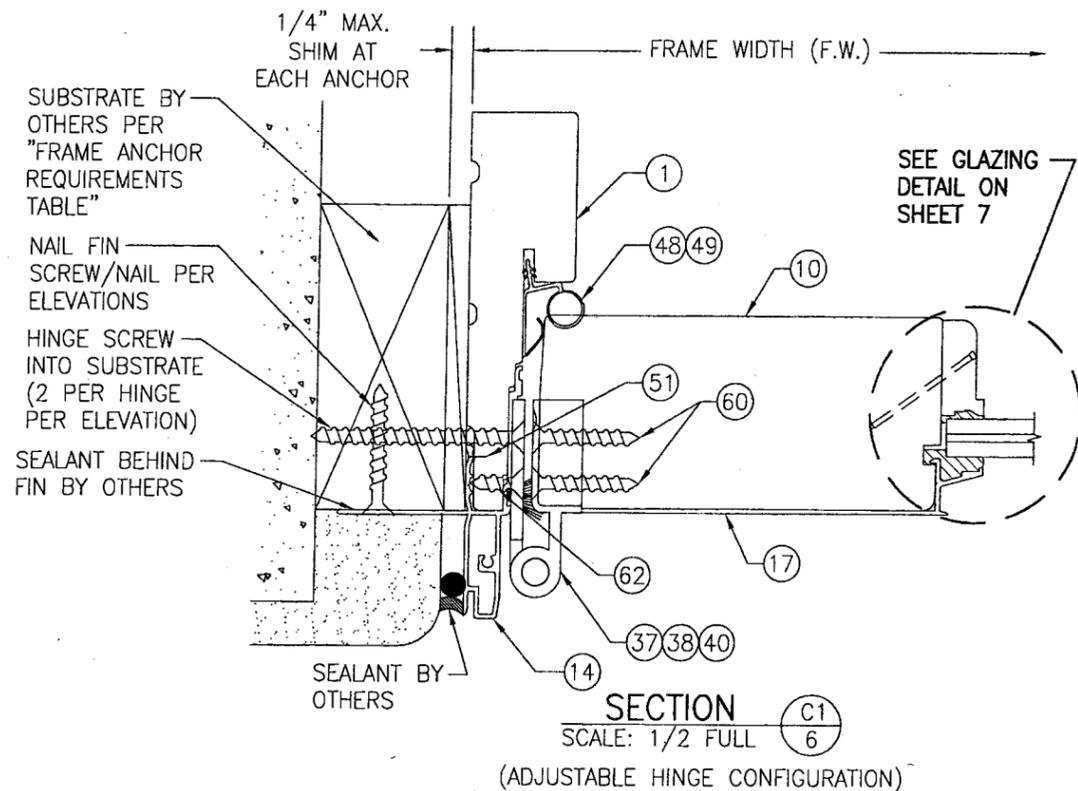
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 09-0929-08 Expiration Date 7/17/2013
By *[Signature]*
Miami Dade Product Control Division

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 02/20/03
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE ALUMINUM CLAD FRENCH OUTSWING DOORS	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION	AUG 24 2009
DRAWING NO. 1211	REV. C
SHEET NO. 2 OF 8	

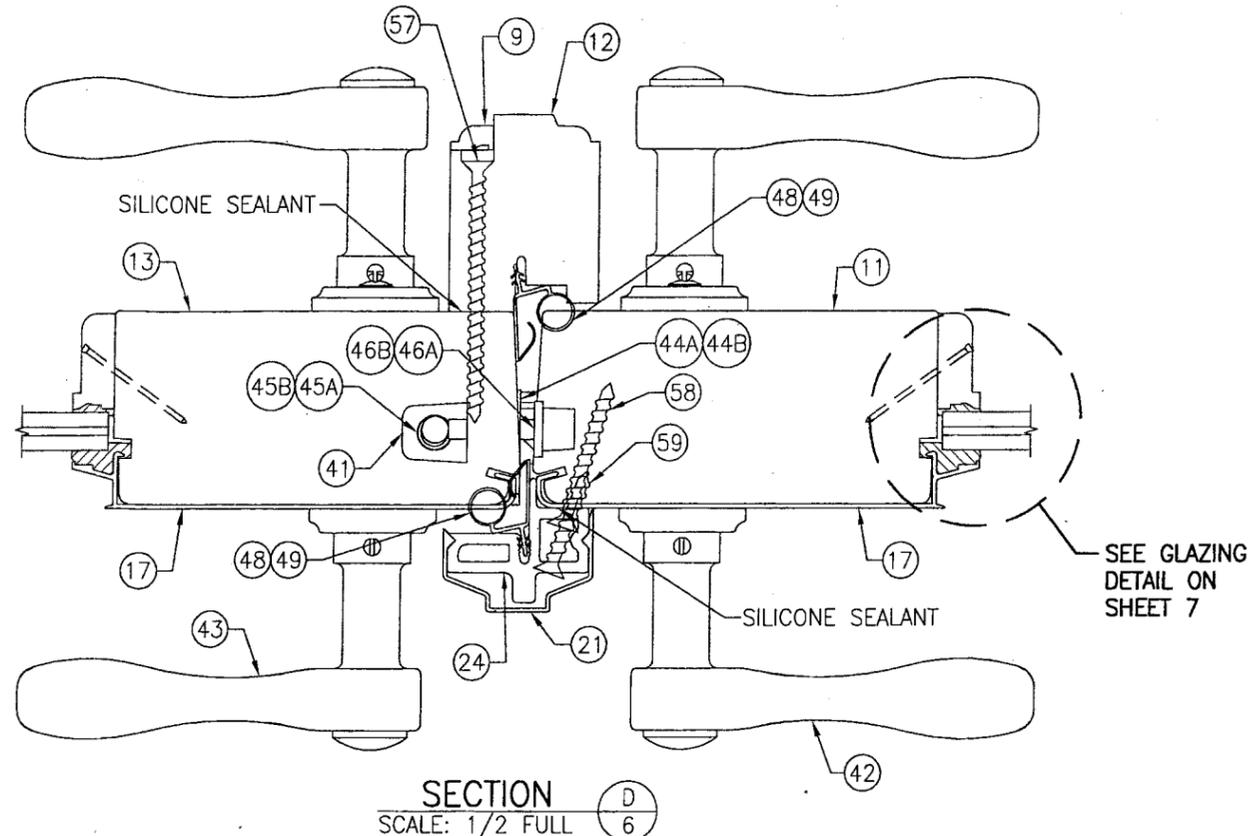


DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 02/20/03	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE ALUMINUM CLAD FRENCH OUTSWING DOORS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.			
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS			
ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
CERTIFICATION AUG 24 2009			
WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1211		REV. C	
SHEET NO. 5 OF 8			

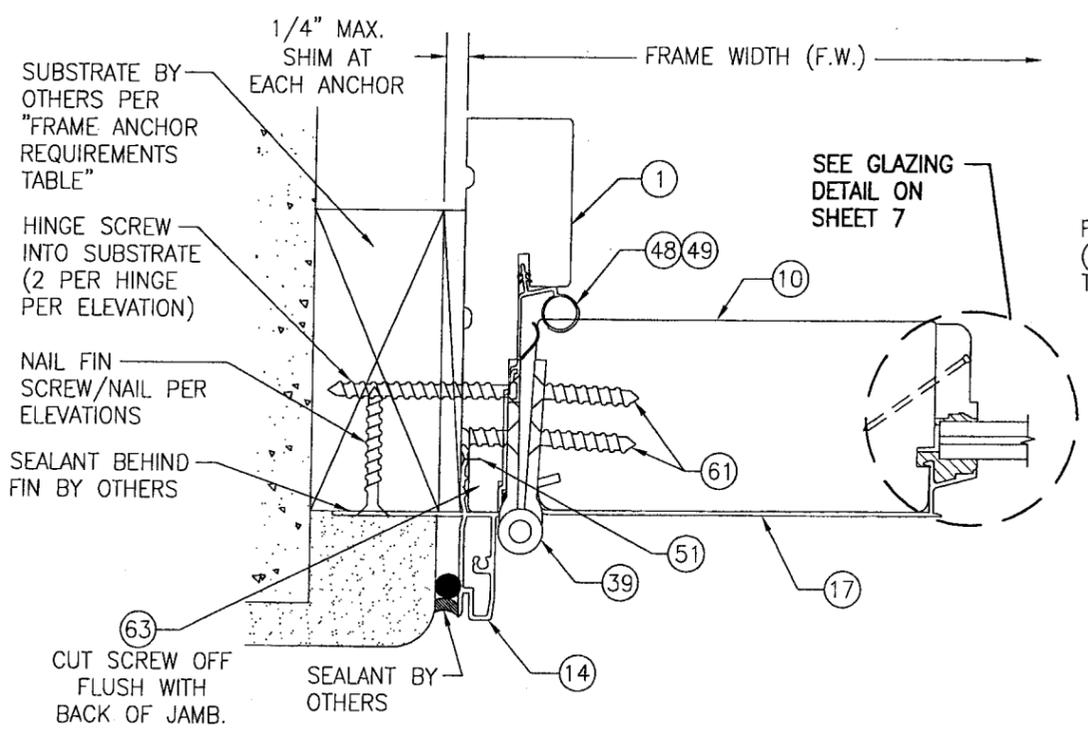
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **09-0929.08**
 Expiration Date **07/17/2013**
 By *[Signature]*
Miami Dade Product Control
 Division



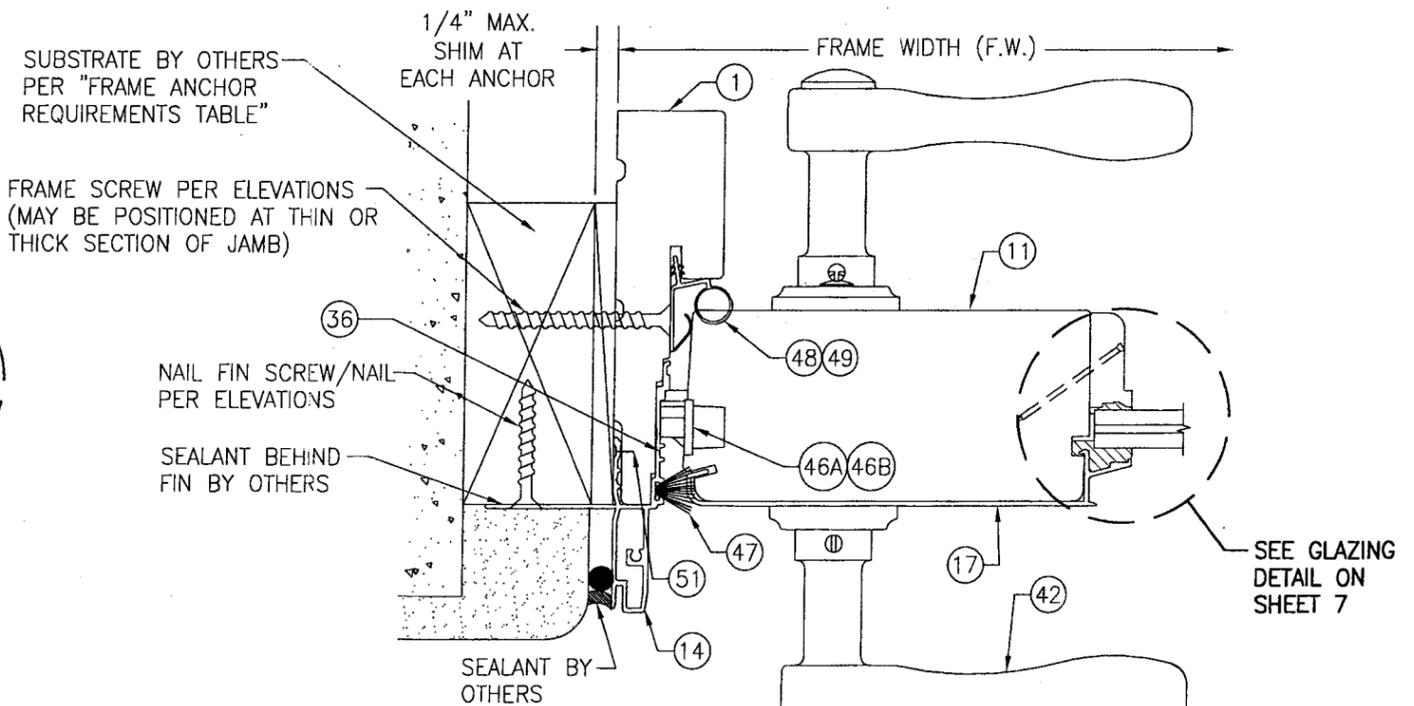
SECTION C1
SCALE: 1/2 FULL
(ADJUSTABLE HINGE CONFIGURATION)



SECTION D
SCALE: 1/2 FULL



SECTION C2
SCALE: 1/2 FULL
(BUTT HINGE CONFIGURATION)



SECTION E
SCALE: 1/2 FULL

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 09-0929.08
 Expiration Date 07/17/2013
 By *[Signature]*
 Miami Dade Product Control Division

DRAWN BY: K.P.S.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 02/20/03	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE: ALUMINUM CLAD FRENCH OUTSWING DOORS			
CONSULTANTS		MANUFACTURER	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		WEATHER SHIELD WINDOWS & DOORS	
8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903		ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION: AUG 24 2009			
DRAWING NO. 1211		REV. C	
SHEET NO. 6 OF 8			

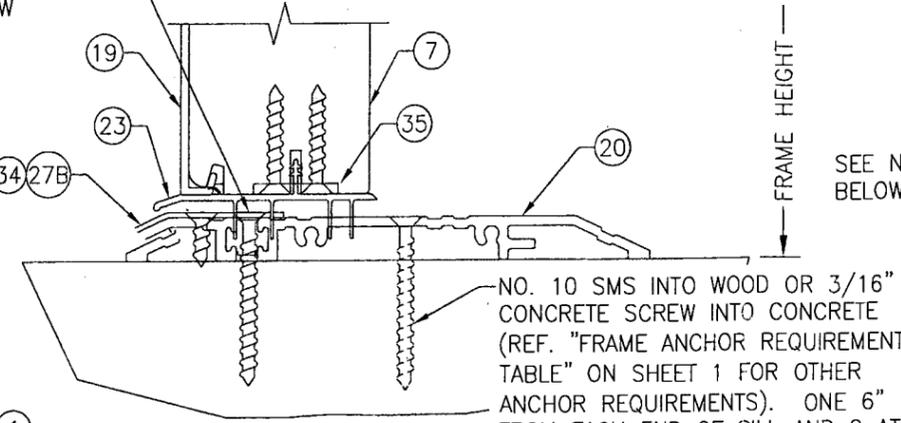
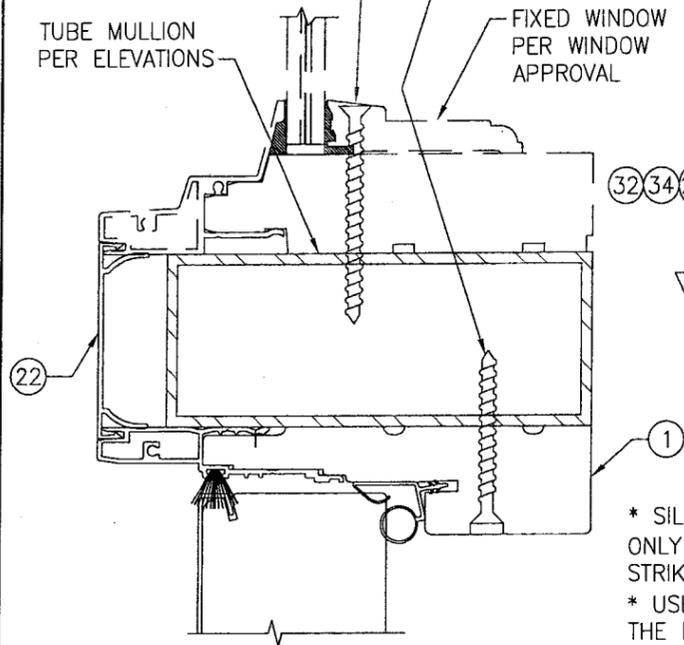
#10 SMS @ 6" FROM CORNERS & MAX. 12" O.C.

TUBE MULLION PER ELEVATIONS

#10 SMS SCREWS PER ELEVATION (SEE SECTIONS "A" & "B" FOR POSITIONS IN CROSS SECTION)

FIXED WINDOW PER WINDOW APPROVAL

NO. 10 SMS INTO WOOD OR 3/16" CONCRETE SCREW INTO CONCRETE (REF. "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR OTHER ANCHOR REQUIREMENTS). 2 ANCHORS PER STRIKE WHEN INTO CONCRETE; 4 PER STRIKE WHEN INTO WOOD.



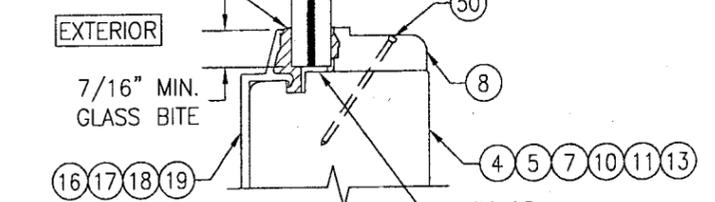
OPTIONAL ADA SILL DETAIL

NO. 10 SMS INTO WOOD OR 3/16" CONCRETE SCREW INTO CONCRETE (REF. "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR OTHER ANCHOR REQUIREMENTS). ONE 6" FROM EACH END OF SILL AND 2 AT SILL MIDSPAN SPACED 6" APART.

* SILL SCREWS SHOWN CONSIDER A DOUBLE DOOR CONDITION. AT SINGLE DOORS, ONLY 3 SILL SCREWS ARE REQUIRED (6" FOR SILL ENDS AND AT SILL MIDSPAN). STRIKE SCREWS ONLY NEED TO PENETRATE THRESHOLD AT SINGLE DOOR.

* 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).

7/16" SOLUTIA SAFLEX III G LAMINATED GLASS (3/16" A.N./0.090" SAFLEX III G PVB/3/16" A.N.)



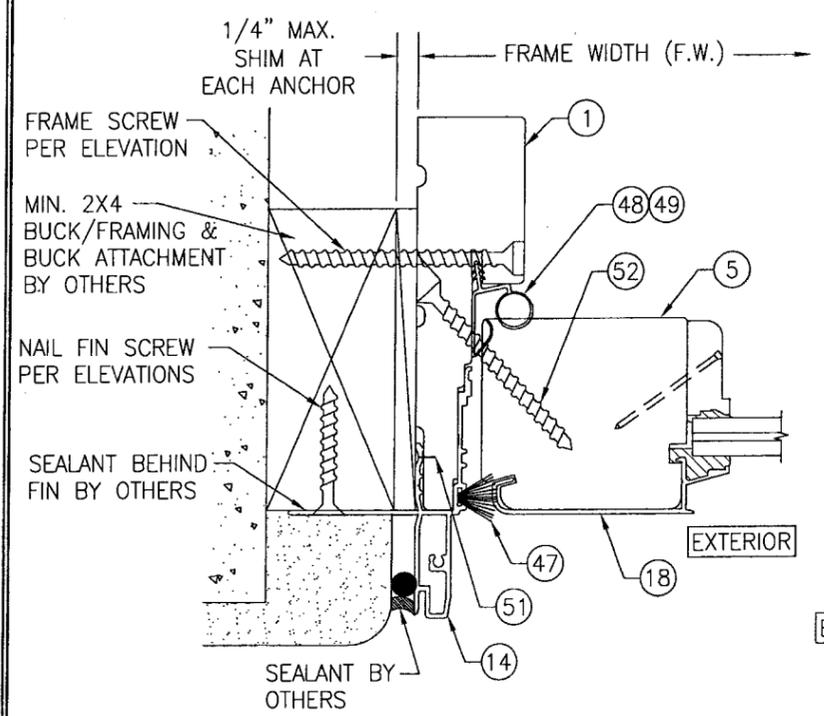
GLAZING DETAIL

- 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) NATIONAL STARCH HT-20 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.

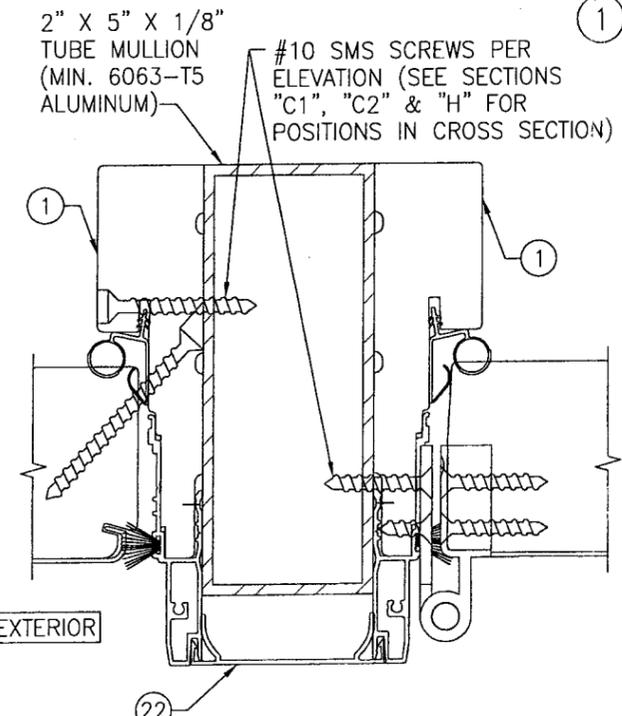
SECTION F

SCALE: 1/2 FULL (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



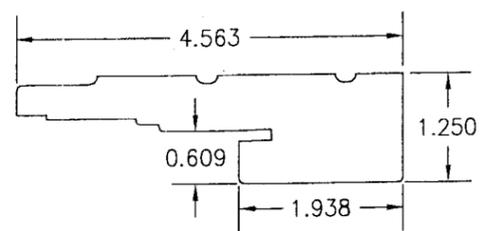
SECTION H

SCALE: 1/2 FULL (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

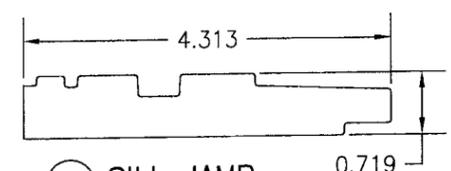


SECTION J

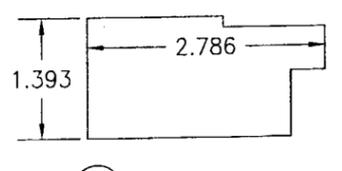
SCALE: 1/2 FULL (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



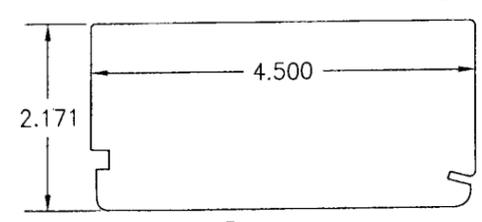
1 HEAD & SIDE JAMB



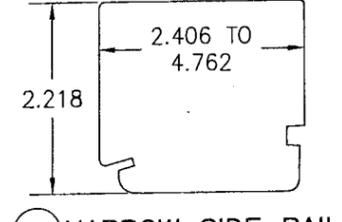
2 SILL JAMB



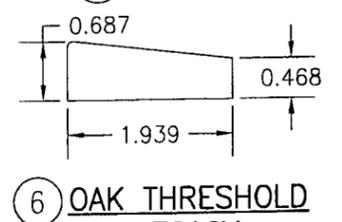
3 SILL BASE



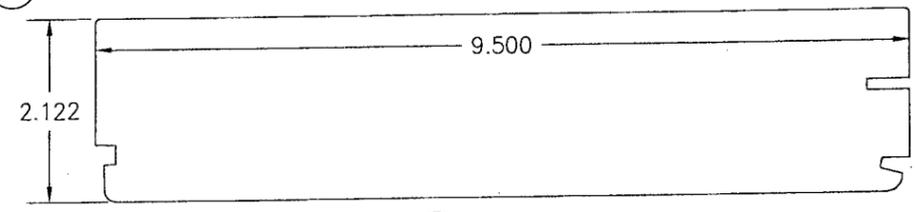
4 TOP RAIL



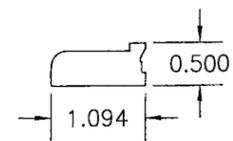
5 NARROW SIDE RAIL



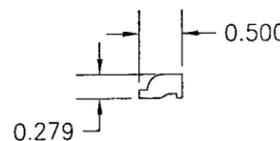
6 OAK THRESHOLD LEGACY



7 BOTTOM RAIL



8 GLAZING STOP



9 ASTRAGAL SCREW CAP

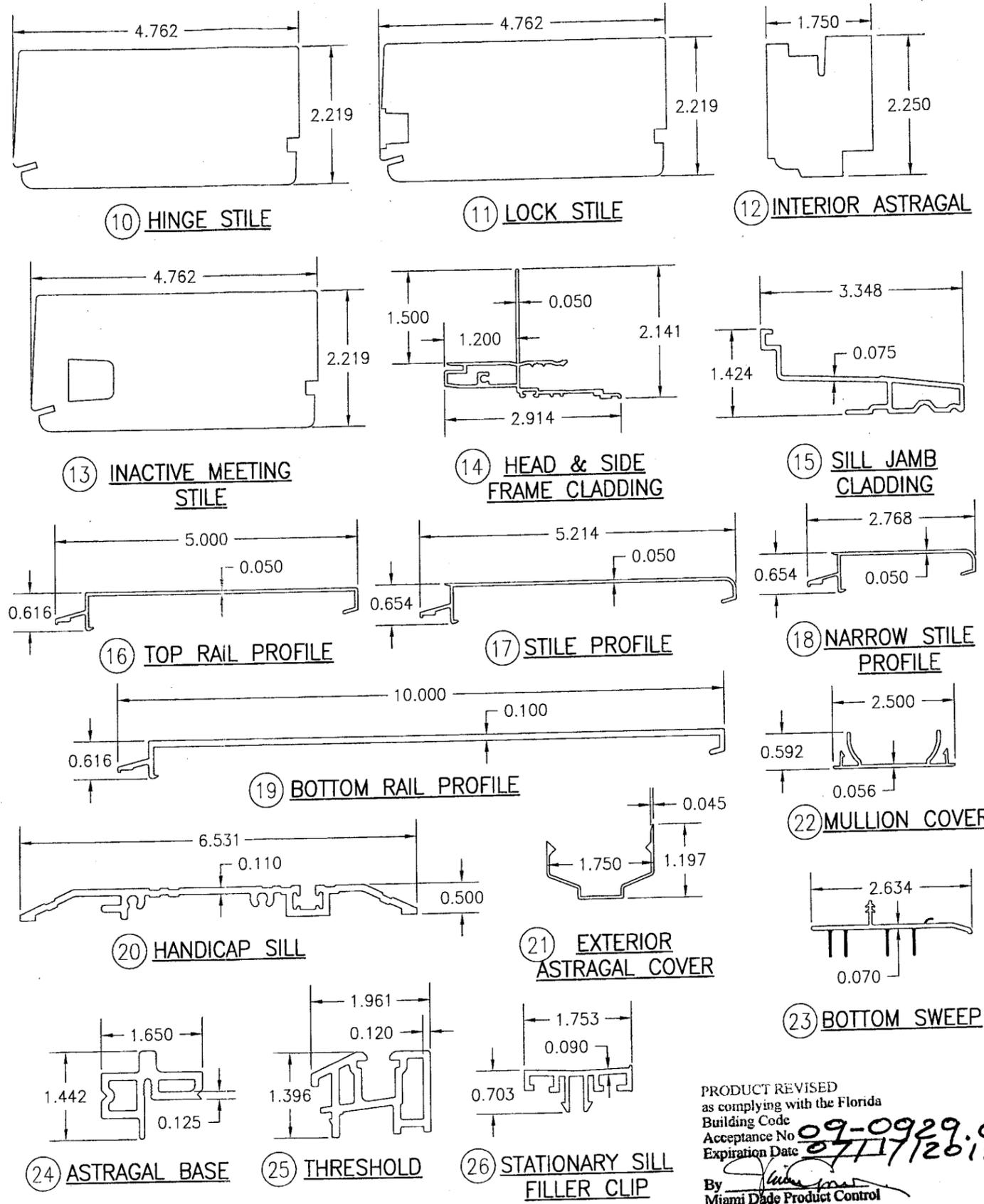
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 09-0929.08 Expiration Date 07/17/2013

By *[Signature]*
Miami Dade Product Control Division

DRAWN BY: K.P.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 02/20/03
DATE	BY
REVISION DESCRIPTION	
NO.	
ALUMINUM CLAD FRENCH OUTSWING DOORS	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903	
DRAWING TITLE	
CERTIFICATION AUG 24 2009 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1211	REV. C
SHEET NO. 7 OF 8	

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.
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 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.

* 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.



PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 09-0929.08
 Expiration Date 07/17/2013
 By *[Signature]*
 Miami Dade Product Control Division

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PLT: 1=2	DATE: 02/20/03
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BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
ALUMINUM CLAD FRENCH OUTSWING DOORS

MANUFACTURER
WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
8995 N. MILITARY TRAIL, SUITE C-204
PALM BEACH GARDENS, FL 33410
PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION
AUG 24 2009

DRAWING NO. 1211
SHEET NO. 8 OF 8