



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908
www.buildingcodeonline.com

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 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 High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Series "Legacy Lifeguard" Alum Clad Outswing Wood Door-Impact

APPROVAL DOCUMENT: Drawing No. 1509, titled "Legacy Lifeguard French Outswing Round Top Door", sheets 1 through 4 of 4, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 02-01-2007, signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and Approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitation:

1. Windows & ADA threshold are not part of this approval.
2. Nail Fin anchors are part of frame shear screws and is not an alternate option.

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 consists of this page 1 and evidence page as well as approval document mentioned above.

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



NOA No 07-0208.10
Expiration Date: April 26, 2012
Approval Date: April 26, 2007

Page 1

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **1509**, titled "Legacy Lifeguard French Outswing Round Top Door", sheets 1 through 4 of 4, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 02-01-2007, 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 alum clad Outswing French wood door, prepared by Stork Twin City Testing Corporation, Test Report No. TCTCW **180-7046** dated 07/27/06, signed and sealed by Thomas Kolden, P. E. and Joseph Chan, P.E.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, dated 02-01-2007, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies w/ ASTM E-1300-98 & -02

D. QUALITY ASSURANCE BY:

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No.03-0827.08 issued to Solutia Inc for "Solutia interlayer for laminated interlayer", expiring on 03/04/2009.

F. STATEMENTS

1. Statement letter of conformance and "No financial interest", dated 02/01/07, signed and sealed by Warren W. Schaefer, P.E.
2. Laboratory compliance statements, part of respective test reports.

G. OTHER

1. None.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 07-0208.10

Expiration Date: April 26, 2012
Approval Date: April 26, 2007

GENERAL NOTES

1. THIS DOOR SYSTEM HAS BEEN TESTED, ANALYZED AND APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN LOADS" TABLE.
2. BUCKING, OPENINGS & 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.
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 2004 FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THIS DOOR SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SHALL BE INSTALLED AS SPECIFIED ON THESE DRAWINGS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
8. ALL FRAME 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.
9. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2004 FLORIDA BUILDING CODE SECTION 2003.8.4.

CORNER CONSTRUCTION

SILL CORNERS: SIDE JAMBS ARE COPED & BUTTED TO SILL AND SECURED WITH 3 NO. 8 X 2 1/2" FH WOOD SCREWS AT EACH HEAD CORNER AND 3 NO. 8 X 3" WOOD SCREWS AT EACH CORNER & SEALED WITH A GASKET & DOW 1166 SILICONE SEALANT.
HEAD FRAME RADIUS END JOINT: SIDE JAMB IS SQUARE CUT AND SECURED TO RADIUS JAMB WITH AN INSTALLATION CLIP (1 1/2" X 20 GA. X 11" LONG GALVANIZED STEEL). EACH PLATE IS FASTENED WITH 12 NO. 6 X 5/8" SS FH WOOD SCREWS (6 EACH SIDE OF JOINT).
DOOR PANEL CORNERS: RAILS ARE BUTTED TO STILES & JOINED WITH 3/4" X 3" LONG WOOD DOWELS; 2 DOWELS PER EACH HEAD RAIL TO LOCK STILE CORNER, 4 DOWELS PER EACH HEAD RAIL TO HINGE STILE CORNER, AND 3 DOWELS PER EACH SILL RAIL TO STILE CORNER. ALL CORNERS ARE SILICONED ALONG THE CORNER SURFACES.
CLAD CORNERS: CLADDING IS MITER CUT & SECURED WITH A 1/4" BEAD OF SILICONE.

ALLOWABLE DESIGN PRESSURE
 +60/-70 PSF

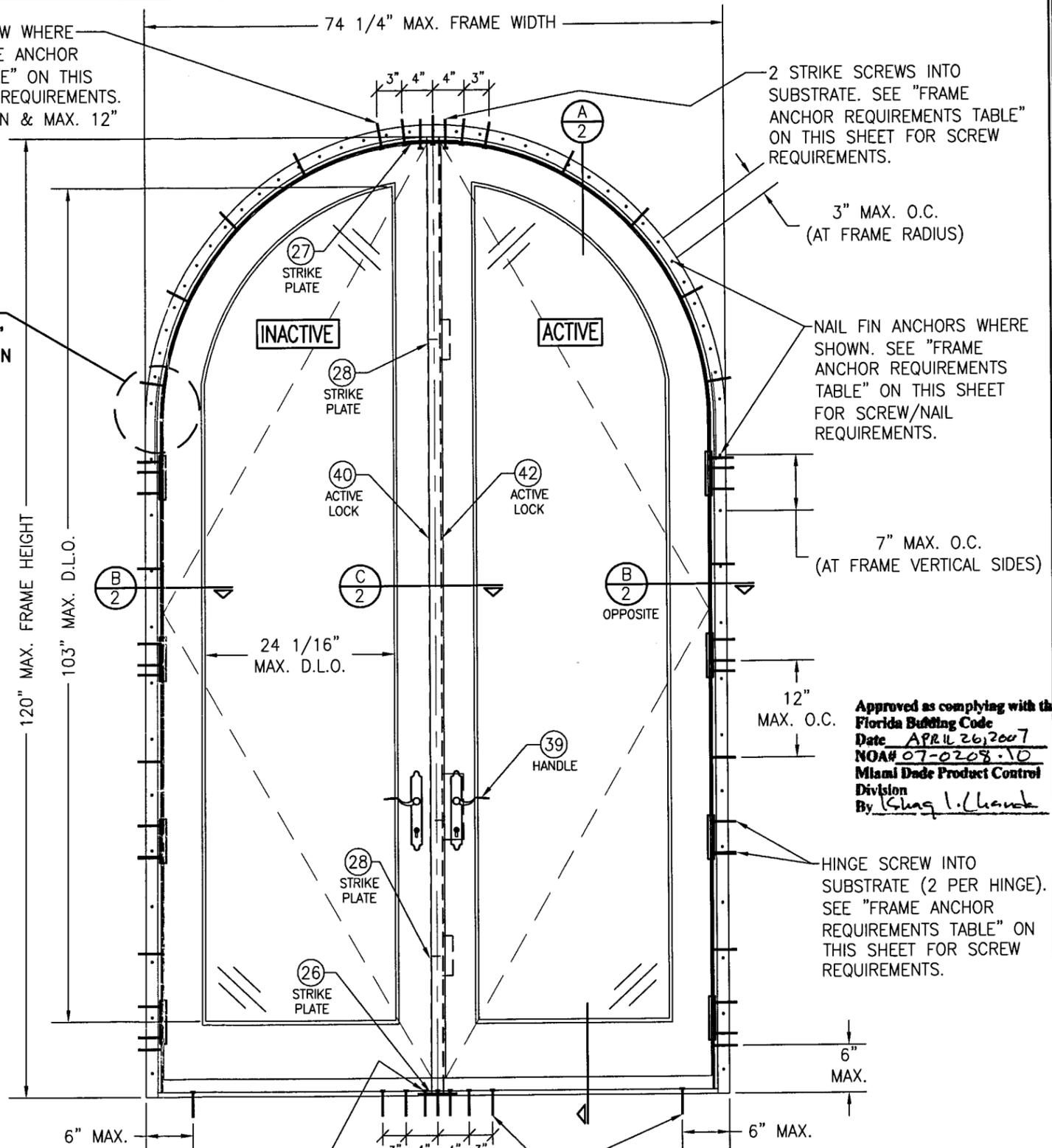
FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME/HINGE/STRIKE SHEAR SCREWS			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 1/8" THK A36 STEEL	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
NAILING FIN			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
SILL SCREWS			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 1/8" THK A36 STEEL	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 2500 PSI CONCRETE	(1) 3/16" CONCRETE SCREW	1 1/4"	2"

(1) CONCRETE SCREWS SHALL BE ELCO OR ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

FRAME SHEAR SCREW WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS. (5 AT HEAD MIDSPAN & MAX. 12" O.C.)

SEE "CORNER CONSTRUCTION" DESCRIPTION ON THIS SHEET



3 STRIKE SCREWS INTO SUBSTRATE. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS.

SILL ANCHORS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR SCREW REQUIREMENTS (5 AT MIDSPAN & 1 AT EACH CORNER).

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

Approved as complying with the Florida Building Code
 Date APRIL 26, 2007
 NOAH 07-0208-10
 Miami Dade Product Control Division
 By *Greg L. Landa*

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 12/13/06
DATE	BY
REVISION DESCRIPTION	NO.

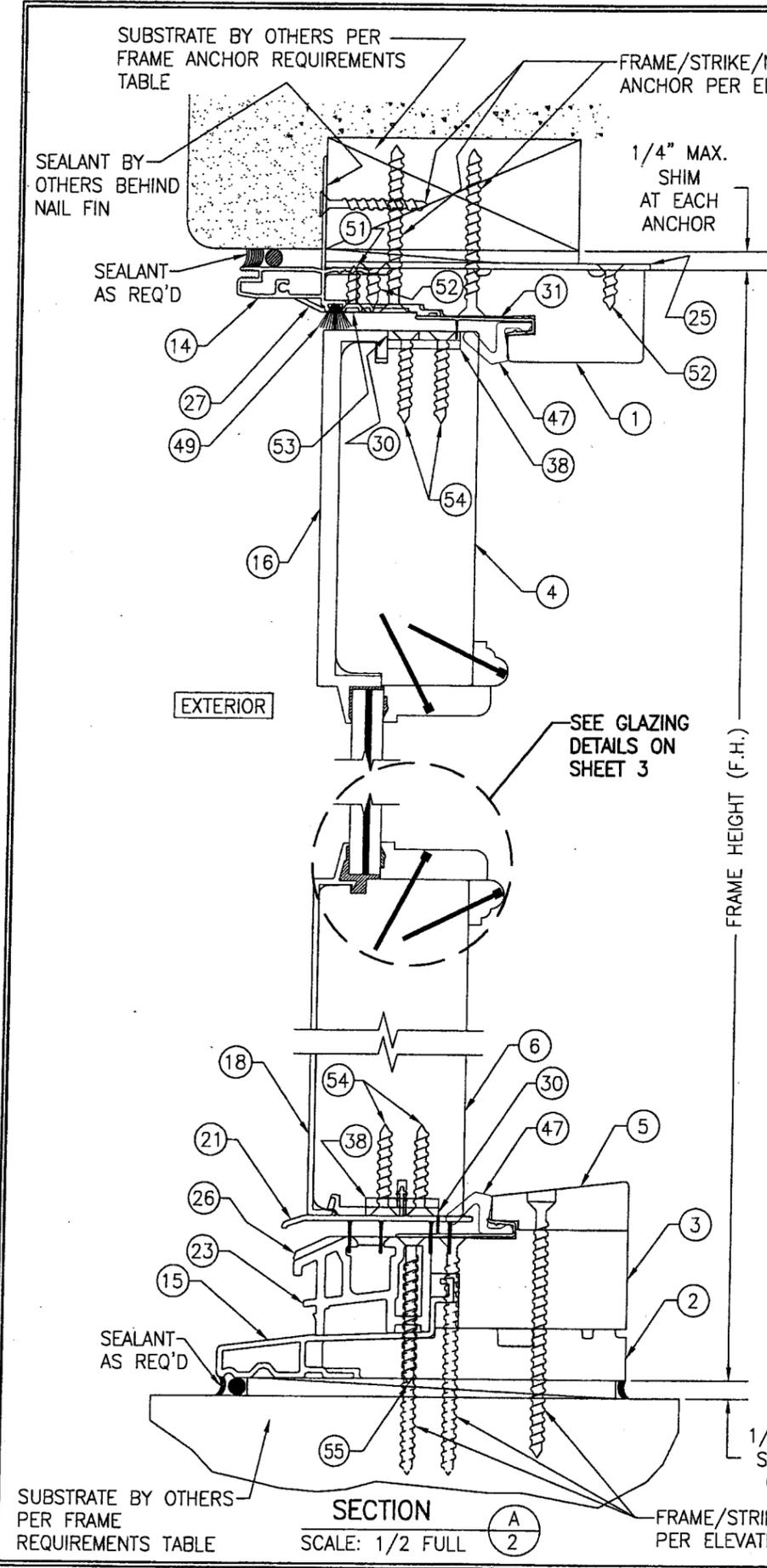
DRAWING TITLE: LEGACY LIFEGUARD FRENCH OUTSWING ROUND TOP DOOR

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

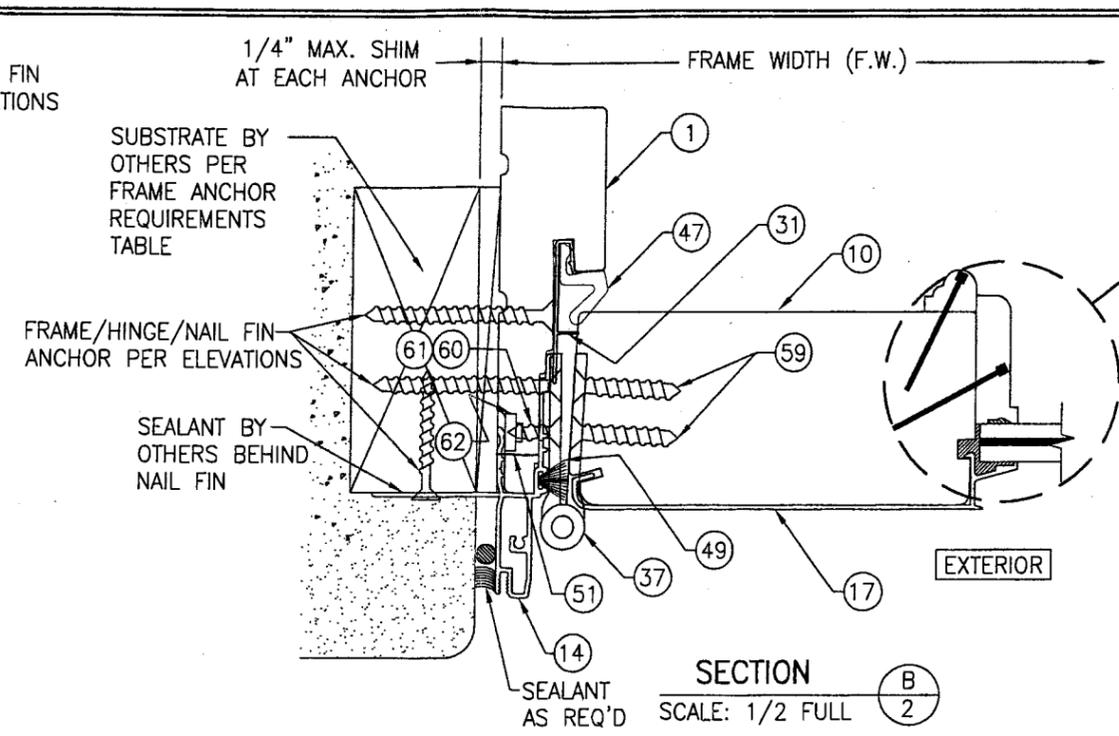
CONSULTANTS:
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
 8895 N. MILITARY TRAIL, SUITE C-204
 PALM BEACH GARDENS, FL 33410
 PHONE: 561-775-4902 FAX: 561-775-4903

CERTIFICATION
FEB 01 2007
 WARREN W. SCHAEFER, P.E.
 P.E. NO. 44135

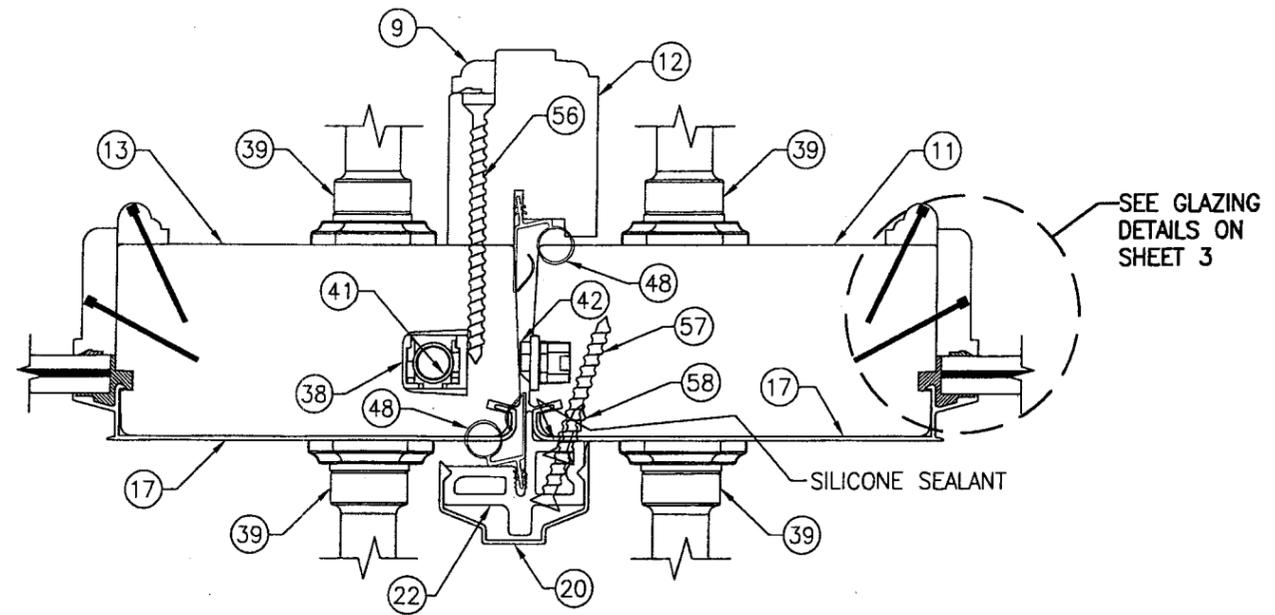
DRAWING NO. 1509	REV.
SHEET NO. 1	OF 4



SECTION A
SCALE: 1/2 FULL



SECTION B
SCALE: 1/2 FULL

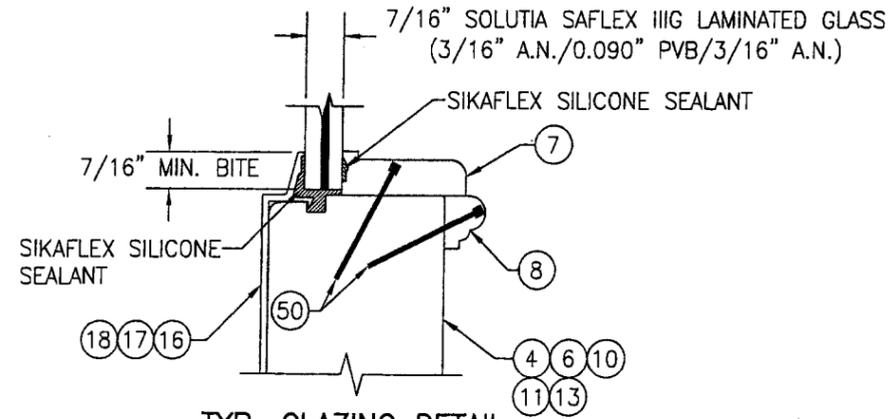


SECTION C
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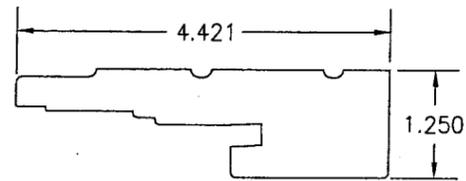
STANDARD SILL CONDITION SHOWN. FOR OPTIONAL ADA SILL CONDITION, SEE DRAWING 1211 UNDER SEPERATE APPROVAL

Approved as complying with the Florida Building Code
Date APRIL 26, 2007
NOA# 07-0208-10
Miami Dade Product Control
Division
By Shag I. Chandi

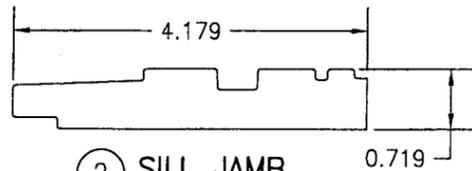
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 12/13/06	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: LEGACY LIFEGUARD FRENCH OUTSWING ROUND TOP DOOR			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903			
MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555			
CERTIFICATION: FEB 01 2007		WARRÉN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1509		REV.	
SHEET NO. 2		OF 4	



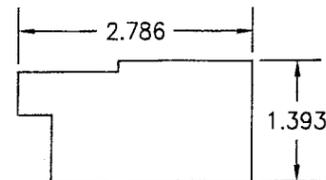
TYP. GLAZING DETAIL
SCALE: 1/2 FULL



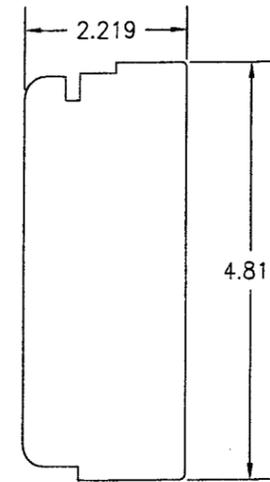
① HEAD & SIDE JAMB



② SILL JAMB



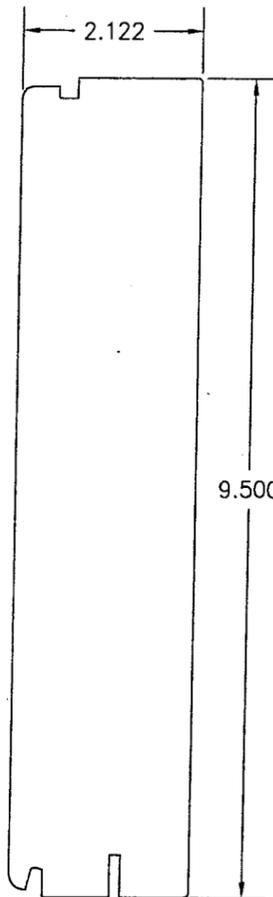
③ SILL BASE



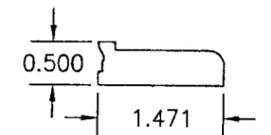
④ TOP RAIL



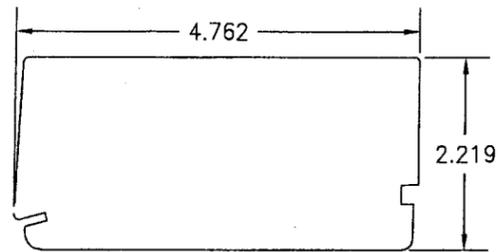
⑤ OAK THRESHOLD LEGACY



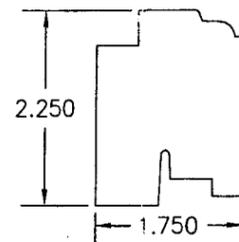
⑥ BOTTOM RAIL



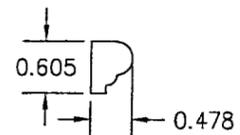
⑦ GLAZING STOP



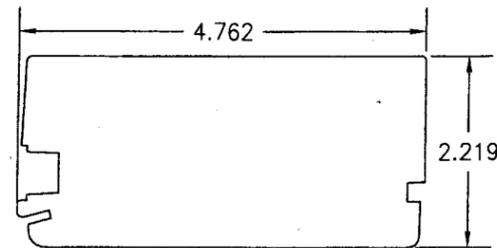
⑩ HINGE STILE



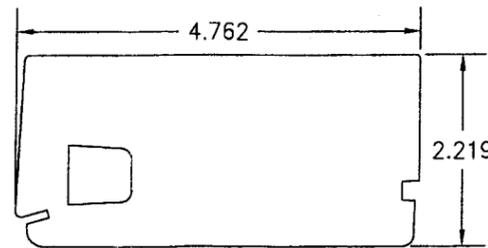
⑫ INTERIOR ASTRAGAL



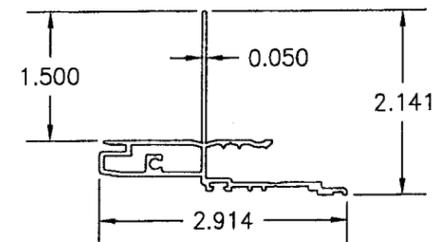
⑧ GLAZING STOP TRIM



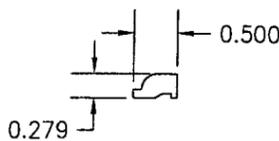
⑪ LOCK STILE



⑬ INACTIVE MEETING STILE



⑭ HEAD & SIDE FRAME CLADDING



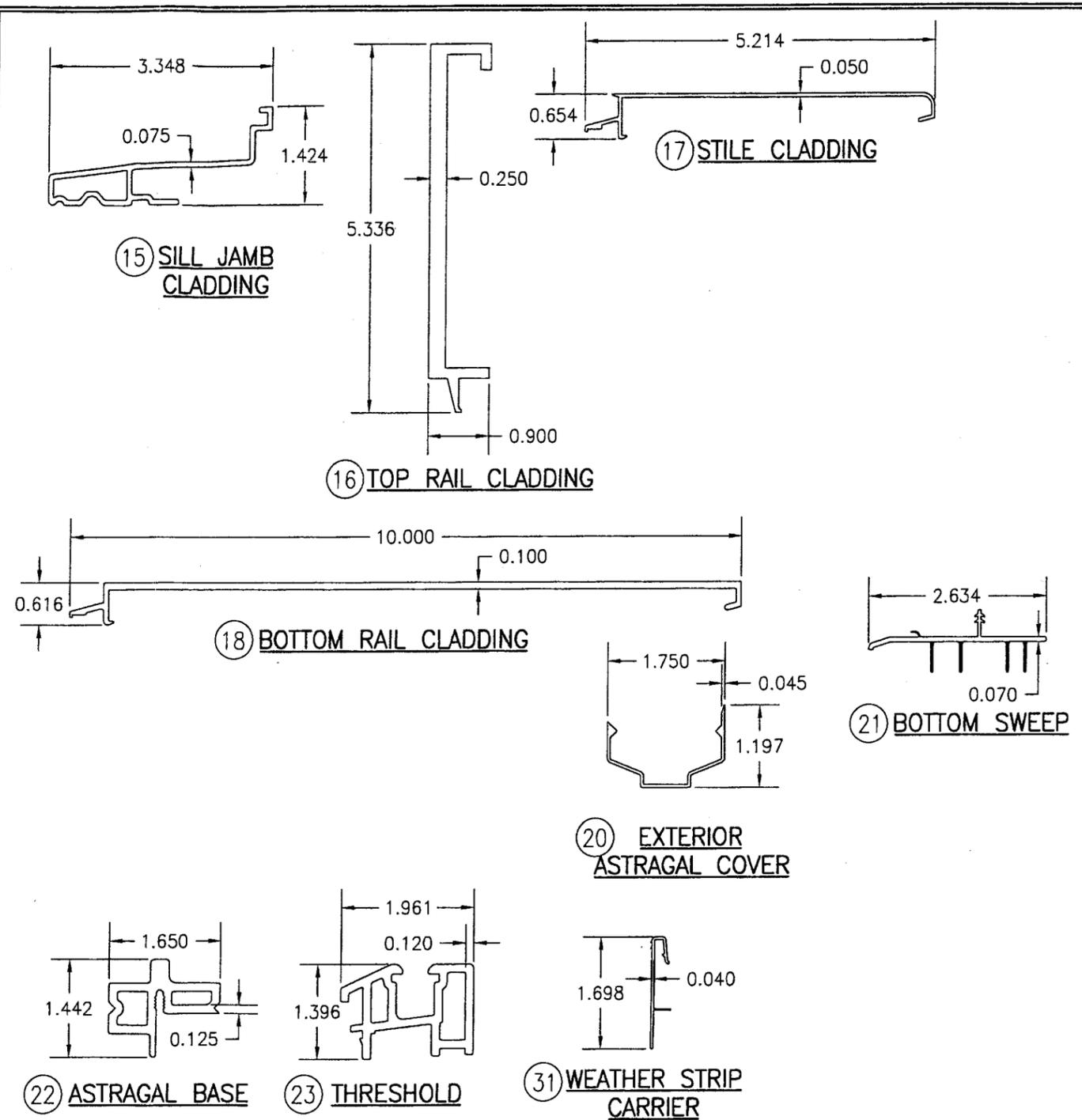
⑨ ASTRAGAL SCREW CAP

Approved as complying with the
Florida Building Code
Date April 26, 2007
NOA# 07-0208-10
Miami Dade Product Control
Division
By Shag I. Chanda

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 12/13/06	
NO.	REVISION DESCRIPTION	BY	DATE
DRAWING TITLE LEGACY LIFEGUARD FRENCH OUTSWING ROUND TOP DOOR			
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		MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION FEB 01 2007 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1509		REV.	
SHEET NO. 3		OF 4	

ITEM #	DRAWING #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	08-W5071X	HEAD & SIDE JAMB	* WOOD
2	08-0002-W2402	SILL JAMB	* WOOD
3	08-0004-W2402	SILL BASE	* WOOD
4	60-2862-01	TOP RAIL	* WOOD (PINE CORE BLOCK)
5	08-W5074	OAK THRESHOLD LEGACY	OAK
6	08-1071-W2427	BOTTOM RAIL	* WOOD (PINE CORE BLOCK)
7	60-2919-01	GLAZING STOP	* WOOD
8	60-2922-01	GLAZING STOP TRIM	* WOOD
9	08-W8075	ASTRAGAL SCREW CAP	* WOOD
10	08-1087-C2537	HINGE STILE	* WOOD (PINE WITH LVL CORE)
11	08-1088-C2537	LOCK STILE	* WOOD (PINE WITH LVL CORE)
12	08-1611-02	INTERIOR ASTRAGAL	* WOOD
13	08-1089-C2537	INACTIVE MEETING STILE	* WOOD (PINWITH LVL CORE)
14	04-0004-C2403	HEAD & SIDE FRAME CLADDING	6063-T5 OR 6063-T4 ALUMINUM
15	04-0009-W2402	SILL JAMB CLADDING	6063-T5 ALUMINUM
16	04-0056-C2427	TOP RAIL CLADDING	6063-T5 ALUMINUM
17	04-0016-C2033	STILE CLADDING	6063-T5 ALUMINUM
18	04-0015-C2022	BOTTOM RAIL CLADDING	6063-T5 ALUMINUM
20	04-0011-W2487	EXTERIOR ASTRAGAL COVER	6063-T5 ALUMINUM
21	02-1514-02	BOTTOM SWEEP	VINYL
22	04-0010-W2487	ASTRAGAL BASE	6063-T5 ALUMINUM
23	02-0005-W2402	THRESHOLD	VINYL
24	12-0017-W2471	GROMMET	PVC
25	12-1557-02	HEAD JAMB BACKER PLATE (10.125" X 4.50" X .080")	STAINLESS STEEL
26	12-1464-02	SILL STRIKE PLATE (4.000" X 2.817" X .125")	304 S.S.
27	12-1465-02	HEAD STRIKE PLATE (5.634" X 1.762" X .060")	304 S.S.
28	12-0013-W2403	TONGUE STRIKE PLATE (5.000" X 1.000" X .059")	304 S.S.
30	12-1291-02	PANEL CORNER REINFORCEMENT BAR (10.100" X 1.000" X .120")	304 S.S. - 1 PER PANEL CORNER
31	60-1456-01	WEATHER STRIP CARRIER	VINYL
HARDWARE			
37	941140/941141	4 X 4 ADJUSTABLE HINGE	HOPPE
38	12-1601-02	10 MM SHOOT BOLT GUIDE	NYLON 6, 30% GLASS FIBER
39	-	HANDLE SET	AS REQUIRED TO OPERATE DOOR LOCKS
40	12-1607-02	2-POINT CONCEALED INACTIVE PANEL LOCK SET	HOPPE
41	12-1558-02	.38 TOP & BOTTOM EXTENSION ROD CONCEALED	HOPPE NORTH AMERICA HLS SERIES
42	12-1576-02	5-POINT ACTIVE PANEL LOCK ASSY. W/SHOOT BOLTS	HOPPE NORTH AMERICA HLS 9000 SERIES
SEALS & SEALANTS			
47	12-3016-03	HEAD, SILL & SIDE TFT WEATHERSTRIP	FOAM
48	12-0005-P2262	INTEK ARLOC WEATHERSTRIP	VINYL
49	12-0050-W2463	AMESBURY WEATHERSTRIP	PILE
FASTENERS			
50	-	F16 X 1 1/2" BRAD NAIL	2" FROM ENDS & 12" MAX. O.C.
51	-	3/16" X 1/2" STAPLE	3" FROM ENDS & 20" MAX. O.C.
52	-	NO. 7 X 5/8" FH WOOD SCREW	8 PER HEAD JAMB BACKER PLATE
53	-	NO. 7 X 5/8" FH WOOD SCREW	2 PER HEAD STRIKE PLATE
54	-	NO. 8 X 1 1/4" WOOD SCREW	4 PER CORNER REINFORCEMENT PLATE
55	-	NO. 8 X 1 1/2" FH SMS SCREW	2 PER STRIKE PLATE
56	-	NO. 8 X 3" FH WOOD SCREW	2" FROM ASTRAGAL ENDS & 6" O.C.
57	-	NO. 8 X 2" FH DRYWALL SCREW	1 1/2" & 2 1/2" FROM PANEL ENDS
58	-	NO. 8 X 1 1/4" WOOD SCREW	10" FROM ASTRAGAL ENDS & 8" O.C.
59	-	NO. 8 X 1 1/4" WOOD SCREW	4 PER HINGE
60	-	NO. 8 X 5/8" FH S.S. WOOD SCREW	2 PER HINGE (BOTTOM 2 HINGES)
61	-	NO. 8-32 X 5/8" FH S.S. MACHINE SCREW	2 PER HINGE (TOP 2 HINGES)
62	-	NO. 8-32 "T-NUT"	2 PER HINGE (TOP 2 HINGES)

* WOOD USED WITH TEST UNITS WAS SELECT WESTERN PINE. ALTERNATE WOOD SPECIES TO BE APPLICABLE WITH THESE WINDOWS IS MIN. SELECT MAHOGANY, SOUTHERN PINE, OAK, CHERRY, MAPLE, DOUGLAS FIR & CYPRUS.



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 12/13/06
DATE	
BY	
REVISION DESCRIPTION	
NO.	
LEGACY LIFEGUARD FRENCH OUTSWING ROUND TOP DOOR	
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 FEB 01 2007 APPROVED AS COMPLYING WITH THE FLORIDA BUILDING CODE DATE: APRIL 26, 2007 NOAH 07-0208-10 Miami Dade Product Control Division By: <i>Isaac I. Chaudhry</i>	
DRAWING NO. 1509	REV.
SHEET NO. 4 OF 4	