



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

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

Ultimate Door of Palm Beach, Inc.
2800 North 2nd Avenue
Lake Worth, FL 33461

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: Series Alum Clad Outswing Wood French Doors – L.M.I.

APPROVAL DOCUMENT: Drawing No. **1748 Rev B**, titled series "Aluminum Clad Wood Impact Out-Swing French Doors," Sheets 1 through 17 of 17, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/11/16 and last revised on SEP 02, 2025, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:

1. Max. Single partial raised panel allowed is 26" W X 32"H= 832 in² or multi-mid rails with partial raised panel **not** to exceed 832 in² total area. Positive DP exceeding +50 PSF require overhang complying w/FBC requirement.
2. Except where cluster anchors are specified, the #8 nail fin perimeter fasteners must not exceed 9" O.C.
3. Min four (4) frame screws at mullion end (Sill) are required, when tributary load width is 33-1/2" or less or when mullion span is 96" or less.
4. Direct Glazed Windows (DWG Ref. 1749) by Ultimate Door are under current separate NOA.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", 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 # 25-0908.04** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4, E-5 & E-6 as well as approval document mentioned above.

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



Ishaq I. Chanda

NOA No. 26-0709.04
Expiration Date: April 16, 2031
Approval Date: July 30, 2026
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS

1. Manufacturer's parts drawings and sections (submitted under files listed below)
2. Drawing No. **1748 Rev, A**, titled series "Aluminum Clad Wood Impact Out-Swing French Doors," Sheets 1 through 17 of 17, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated JAN 11, 2016, signed and sealed by Warren W. Schaefer, P.E.

B. TESTS (submitted under files #14-0424.02/#12-0410.11/#11-0310.01)

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
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of outswing alum clad wood French doors w/ mullions, an alum clad outswing Arch double wood door and alum clad outswing Rectangular double wood doors, prepared by Architectural Testing Lab, Test Report No. **B5667.02-450-18** dated 07/02/12, signed and sealed by Vinu Abraham, 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

along with marked-up drawings and installation diagram of an out-swinging wood clad aluminum French door prepared by Hurricane Test Laboratory, LLC, Test Reports No.'s **HTL-0026-1008-94** and **HTL-0026-0214-97**, dated 11/14/94 and 01/09/97, **HTL-0026-1017-99**, dated 10/22/99, all signed and sealed by Timothy Marshall, P. E. and Test Laboratory, LLC, Test Report No. **HTL-0026-1212-99**, dated 12/08/99, signed and sealed by Vinu J. Abraham, P. E. (submitted under file # **11-0310.01**)

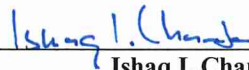
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94

along with marked-up drawings and installation diagram of an out-swinging wood clad aluminum French door, prepared by Hurricane Test Laboratory, LLC, Test Reports No.'s **HTL-0026-1023-95**, **HTL-0026-0508-95** and **HTL-0026-1212-99**, dated 1/23/95, 5/12/95 and 12/08/99, **HTL-0026-0913-96**, dated 06/26/97 and 09/23/96, **HTL-0026-0508-95** and **HTL-0026-0123-95**, dated 01/23/95 and 05/12/95, all signed and sealed by Timothy Marshall, P. E. (under file # **11-0310.01**)

4. 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 of pair of outswing wood and fixed lite (OOX) & XX/O, prepared by Hurricane Test Laboratory, LLC, Test Report No. **HTL-0026-0320-97**, dated 03/27/97, **HTL-0026-0405-97**, dated 08/27/97 and **HTL-0026-0214-97 (TAS- 201)**, dated 05/09/97, all signed and sealed by Timothy Marshall, P. E. (transferred from file # **11-0310.02**)

Note: The original tests conducted were per SFBC PA 202, 201 and 203-94, now termed as FBC, TAS 202, 201 and 203-94.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
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C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014(5th Edition), prepared by W. W. Schaefer Engineering & Consulting, P.A., dated JAN 11, 2016, signed and sealed by Warren W. Schaefer, P. E.
2. Glazing complies w/ ASTM E-1300-02, -04 & -09.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.11** issued to **Kuraray America, Inc.** (Former E.I. DuPont DeNemours & Co., Inc. for the "**Sentry Glass ® (Clear and White) Glass Interlayers**", expiring on 07/04/18.

F. STATEMENTS

1. Statement letter of conformance to FBC 2014(5th Edition) and letter of no financial interest, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated JAN 11, 2016, signed and sealed by Warren W. Schaefer, P.E.
2. Lab compliance as part of the above referenced test reports.

G. OTHER

1. This NOA **revises & renews** NOA # **#14-0424.02**, expiring on April 16, 2021.
2. Reference Series Un-clipped wood mullion NOA # 11-0310.02.
3. Test proposal dated 03-10-11 and e-mail correspondence approval dated 08-02-12 approved by PERA.
4. Previous associated files are NOA(s) 12-0410.11/#11-0310.01, # 05-0824.03, 01-0327.01, 00-0912.03, 99-0317.06 and 97-0912.01.

2. Evidence submitted in previous files.

A. DRAWINGS

1. None.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
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F. STATEMENTS

1. Statement letter of conformance to FBC 2014(5th Edition) & FBC 2017 (6th Edition), prepared by W. W. Schaefer Engineering & Consulting, P.A., dated July 21, 2017, signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

1. This NOA revises NOA # 16-0114.08, expiring on 04/16/21.

3. Evidence submitted under previous approval.

A. DRAWINGS

1. None.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (Former E.I. DuPont DE Nemours & Co., Inc. for the "Sentry Glass ® (Clear and White) Glass Interlayers", expiring on 07/04/2023.

F. STATEMENTS

1. Statement letter of conformance to FBC 2020 (7th Edition), prepared by W. W. Schaefer Engineering & Consulting, P.A., dated Jun 05, 2020, signed and sealed by Warren W. Schaefer, P.E.

G. OTHER

1. This NOA revises NOA # 17-0803.03, expiring on 04/16/21.


Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No. **1748 Rev, A**, titled series "Aluminum Clad Wood Impact Out-Swing French Doors," Sheets 1 through 17 of 17, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated March 01, 2021, signed and sealed by Warren W. Schaefer, P. E.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the "**Sentry Glass ® (Clear and White) Glass Interlayers**", expiring on 07/04/2023.

F. STATEMENTS

1. Statement letter from Ultimate Door dated 02/03/21, asking for renewal with no change, signed by Ms. Jessica Covey, office manager.
2. Statement letter of conformance to FBC 2020 (**7th Edition**), prepared by W. W. Schaefer Engineering & Consulting, P.A., dated Jun 05, 2020, signed and sealed by Warren W. Schaefer, P.E. (submitted under file #**20-0623.17**)

G. OTHER

1. This NOA **renews** NOA # **20-0623.17**, expiring on 04/16/26.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 26-0709.04
Expiration Date: April 16, 2031
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. Evidence submitted under previous approval.

A. DRAWINGS

1. Drawing No. 1748 Rev, A, titled series "Aluminum Clad Wood Impact Out-Swing French Doors," Sheets 1 through 17 of 17, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated March 01, 2021, signed and sealed by Warren W. Schaefer, P. E.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 22-1116.01 issued to Kuraray America, Inc. (Former E.I. DuPont DE Nemours & Co., Inc. for the "Sentry Glass ® (Clear and White) Glass Interlayers", expiring on 07/04/2028.

F. STATEMENTS

1. Statement letter of conformance to FBC 2023 (8th Edition), prepared by W. W. Schaefer Engineering & Consulting, P.A., dated July 01, 2023, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of conformance to FBC 2020 (7th Edition), prepared by W. W. Schaefer Engineering & Consulting, P.A., dated Jun 05, 2020, signed and sealed by Warren W. Schaefer, P.E. (submitted under file #20-0623.17)

G. OTHER

1. This NOA revises NOA # 21-0308.03, updates to FBC 2023, expiring on 04/16/26.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 26-0709.04
Expiration Date: April 16, 2031
Approval Date: July 30, 2026

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

6. New Evidence submitted.

A. DRAWINGS (submitted under previous approval)

1. Drawing No. **1748 Rev B**, titled series "Aluminum Clad Wood Impact Out-Swing French Doors," Sheets 1 through 17 of 17, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 01/11/16 and last revised on SEP 02, 2025, signed and sealed by Warren W. Schaefer, P.E.

B. Test

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

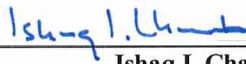
1. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** (Former E.I. DuPont DE Nemours & Co., Inc. for the "**Sentry Glass ® (Clear and White) Glass Interlayers**", expiring on 07/04/2028.
2. Quality Millwork test report # RD2009-02a dated 02-10-09, issued to Ultimate Door for Pine MOE (Modulus of Elasticity) and MOR (Modulus of Rigidity), approved by Tony Hester.

F. STATEMENTS

1. Statement letter of conformance to FBC 2026 (9th Edition), inclusive special limitation note of use of this product in saltwater environment must comply with FBC chapter 17 and FBC 2023 (8th Edition), prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 07/01/26, signed and sealed by Warren W. Schaefer, P.E.

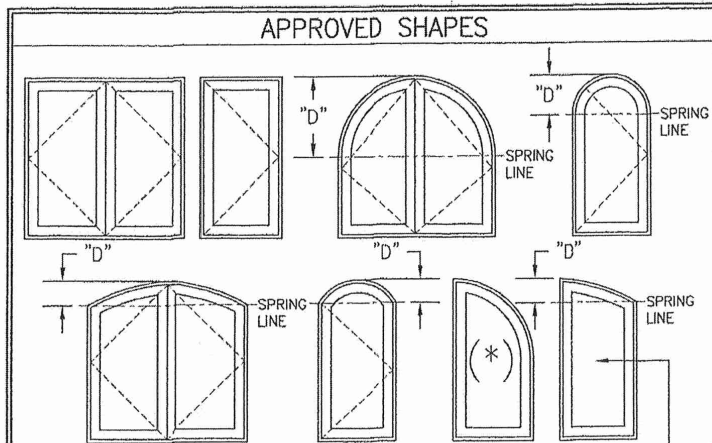
G. OTHER

1. This NOA **revises** NOA # **25-0908.04**, updates to FBC 2026, expiring on 04/16/31.



Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 26-0709.04
Expiration Date: April 16, 2031
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The following pages in this document were submitted by the manufacturer (third party) to represent the product being approved and establish the limits of use. The pages may include technical drawings, schematics and installation details.



NOTES:
1. FIXED PANEL DOOR FRAME WIDTH SHALL NOT BE GOVERNED BY SHAPE OF DOOR.
2. OTHER SHAPES MAY APPLY PROVIDING THEY ARE SIMILAR TO THOSE SHOWN & HAVE CORNER CONSTRUCTION AS DESCRIBED IN THIS DRAWING.
3. THE SHAPES LABELED (*) ARE ONLY APPLICABLE TO FIXED PANEL DOORS (NOT APPLICABLE TO OPERABLE DOORS).

THIS SHAPE MAY BE USED AS AN OPERABLE DOOR ONLY IF SPRING LINE HEIGHT ABOVE SILL IS 80" OR MORE

HINGE REQUIREMENTS (HALF-ROUND TOP DOUBLE DOORS)

PANEL HEIGHT	QUANTITY PER PANEL
OVER 96"	4
96" OR LESS	3

NOTES:
1. HINGE CENTERLINES SHALL BE LOCATED APPROXIMATELY 3 1/2" BELOW FRAME SPRING-LINE, 9 1/4" ABOVE BOTTOM OF SILL AND EQUALLY SPACED BETWEEN.

HINGE REQUIREMENTS (RECTANGULAR & EYEBROW TOP DOUBLE DOORS & ALL SINGLE DOORS)

PANEL HEIGHT	QUANTITY PER PANEL
OVER 96"	5
96" OR LESS	4

NOTES:
1. HINGE CENTERLINES SHALL BE LOCATED APPROXIMATELY 7 1/2" BELOW TOP OF DOOR FRAME OR BELOW FRAME SPRING-LINE, 9 1/4" ABOVE BOTTOM OF SILL AND EQUALLY SPACED BETWEEN.

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/HINGE/ FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME & HINGE SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 60 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"
(2) MIN. C-90 CMU	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	2"
(2) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 SMS SCREW	1 1/8"	1/2"
MIN. 1/8" THK A36 STEEL	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) CMU IS NOT APPLICABLE AT THE HEAD AND SILL.

ALLOWABLE DESIGN PRESSURE (ALL SINGLE & DOUBLE RECTANGULAR OPERABLE DOORS & ALL SINGLE FIXED PANEL DOORS)

(2) MAX. FRAME HEIGHT (IN.)	(2) MAX. FRAME WIDTH (IN.)	ALLOWABLE PRESSURE (1) (PSF)	
		POS.	NEG.
SINGLE DOORS			
120	43 1/2	50.0	50.0
	40 1/2	53.7	53.7
	37 1/2	58.0	58.0
	34 1/2	63.0	63.0
108	43 1/2	55.6	55.6
	40 1/2	59.7	59.7
	37 1/2	64.4	64.4
	36 1/2	65.0	65.0
102	43 1/2	58.8	58.8
	40 1/2	63.2	63.2
	38 1/2	65.0	65.0
	43 1/2	62.5	62.5
96	41 1/2	65.0	65.0
92	43 1/2	65.0	65.0
DOUBLE DOORS			
120	84	50.0	50.0
	78	53.8	53.8
	72	58.3	58.3
	66	63.6	63.6
	64	65.0	65.0
	84	55.6	55.6
108	78	59.8	59.8
	72	64.8	64.8
	71	65.0	65.0
	84	58.8	58.8
102	78	63.3	63.3
	76	65.0	65.0
	84	62.5	62.5
	80	65.0	65.0
96	84	65.0	65.0
92	84	65.0	65.0

(1) POSITIVE PRESSURE SHALL BE LIMITED TO +50 PSF WHEN DOORS ARE TO BE WATER INFILTRATION RATED.
(2) SEE LOCK OPTIONS TABLE FOOTNOTE 2 FOR FRAME SIZE RESTRICTION WHEN LOCK COMBINATION 35 & 36 ARE USED WITH ACTIVE PANEL OF DOORS.

(1) (2) LOCK OPTIONS	
DOUBLE DOOR ACTIVE PANEL	USE LOCK PART #31, 33 OR COMBINATION OF 35 & 36
SINGLE RECTANGULAR DOOR PANEL	USE LOCK PART #31, 33, 38 OR COMBINATION OF 35 & 36
DOUBLE DOOR INACTIVE PANEL	USE LOCK PART #32, 34 OR 36
SHAPE TOP SINGLE DOOR PANEL	USE LOCK PART #38
(1) LOCK PART #36 SHALL EXIST AT TOP & BOTTOM OF DOOR PANEL. (2) WHEN LOCK COMBINATION OF PART #35 & 36 IS USED WITH ACTIVE DOOR PANELS, FRAME SIZE OF DOOR MAY NOT EXCEED 72" WIDE X 96" TALL WITH DOUBLE DOORS NOR 37 1/2" WIDE X 96" TALL WITH SINGLE DOORS.	

ALLOWABLE DESIGN PRESSURE (SINGLE & DOUBLE SHAPED TOP OPERABLE DOORS)

MAX. FRAME HEIGHT (IN.)	MAX. FRAME WIDTH (IN.)	ALLOWABLE PRESSURE (1) (PSF)	
		POS.	NEG.
SINGLE DOORS			
120	37 1/2	50.0	50.0
	34 1/2	54.3	54.3
	31 1/2	59.3	59.3
	28 1/2	65.0	65.0
108	37 1/2	55.6	55.6
	34 1/2	60.4	60.4
	31 1/2	65.0	65.0
	37 1/2	58.8	58.8
102	34 1/2	63.9	63.9
	33 1/2	65.0	65.0
	37 1/2	62.5	62.5
	35 1/2	65.0	65.0
96	37 1/2	65.0	65.0
92	37 1/2	65.0	65.0
DOUBLE DOORS			
120	72	50.0	50.0
	66	54.5	54.5
	60	60.0	60.0
	55	65.0	65.0
108	72	55.6	55.6
	66	60.6	60.6
	61	65.0	65.0
	72	58.8	58.8
102	66	64.2	64.2
	65	65.0	65.0
	72	62.5	62.5
	69	65.0	65.0
96	72	65.0	65.0
92	72	65.0	65.0

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.

GENERAL NOTES:

- THIS PRODUCT HAS 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 CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT PRODUCTS.
- THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
- IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
- 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.
- 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 Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
- NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 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.
- ALL WOOD MEMBERS OF THIS PRODUCT 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 REQUIREMENTS.

NOTE: WHEN THE JOB REQUIRED POSITIVE DESIGN PRESSURE EXCEEDS +50 PSF, THE DOOR UNITS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS THE UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THE UNITS ARE INSTALLED AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.

PRODUCT REVISED

as complying with the Florida Building Code
Acceptance No. 26-029.04
Expiration Date 4/16/2031

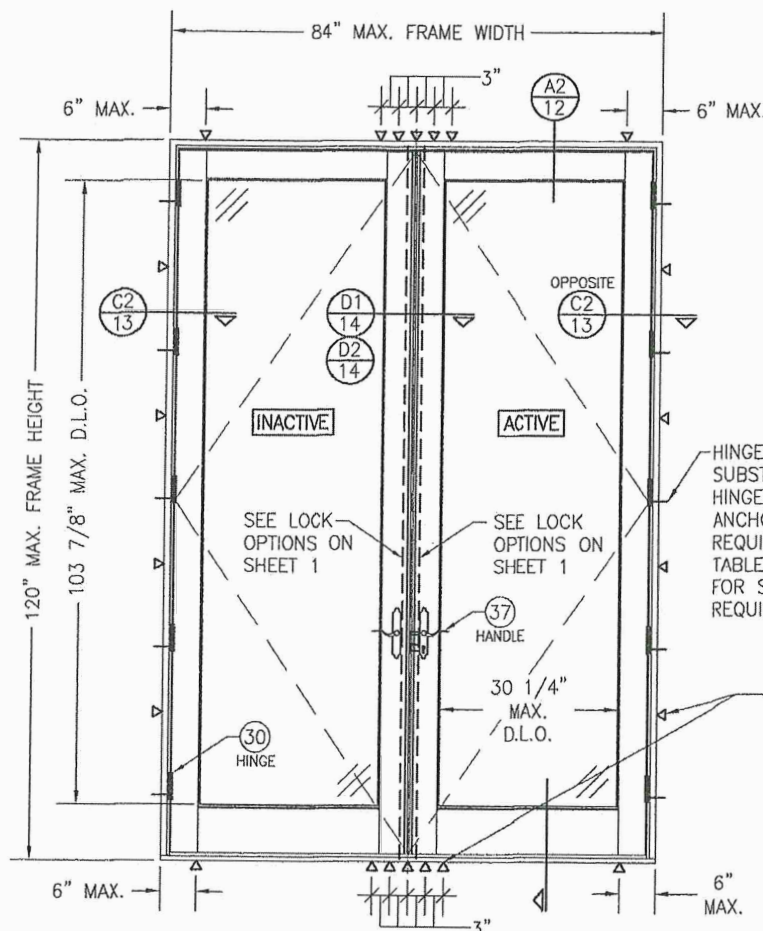
By [Signature]
Miami Dade Product Control

PRODUCT RENEWED

as complying with the Florida Building Code
Acceptance No. 25-0908.04
Expiration Date 4/16/2031

By [Signature]
Miami Dade Product Control

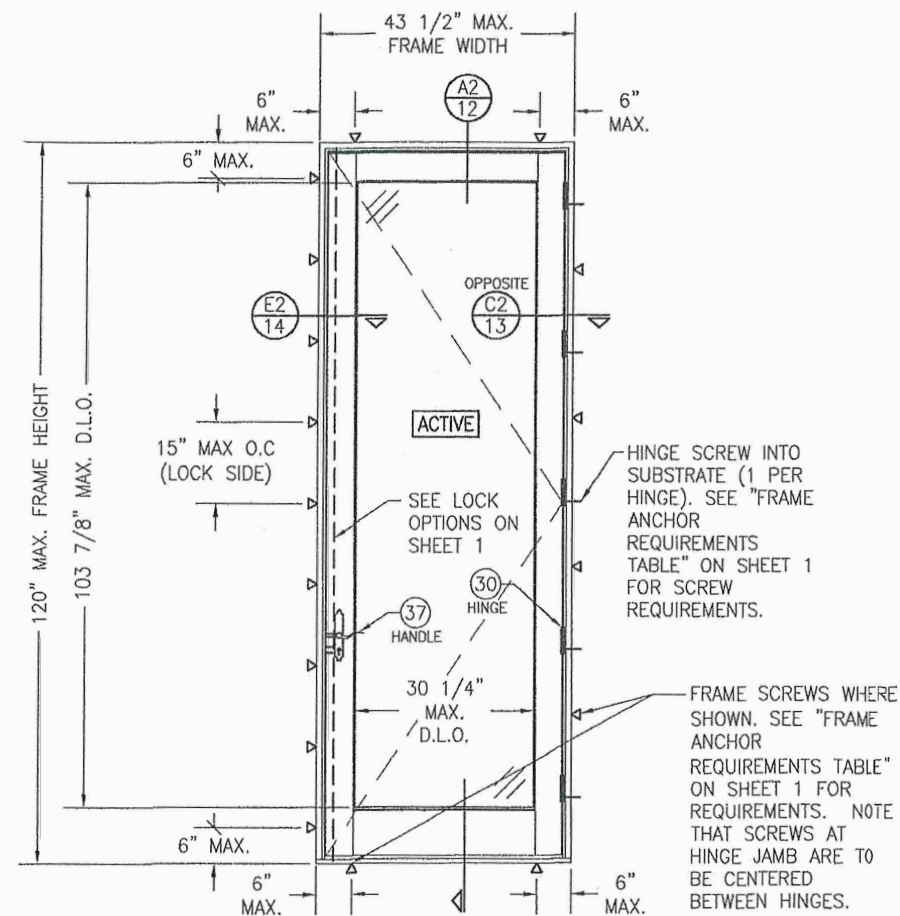
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
DATE: 01/11/16	DATE: 07/09/12
PLT: 1=24	
BY: W.W.S.	DATE: 09/02/25
REVISION DESCRIPTION	NO. 1
UPDATE TO CURRENT STANDARDS	AT
UPDATE BOARD INFORMATION	BT
MANUFACTURER	ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828
CONSULTANTS	W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 ANSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424
DRAWING TITLE	ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR
DATE	SEP 02 2025
BY	W. W. SCHAEFER, P.E.
NO.	NO. 44135
STATE OF FLORIDA	PROFESSIONAL ENGINEER
DRAWING NO.	1748
SHEET NO.	1 OF 17



**EXTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)

SEE ALLOWABLE DESIGN PRESSURE
TABLES ON SHEET 1 FOR
ALLOWABLE DESIGN PRESSURES ON
SINGLE & DOUBLE DOORS.

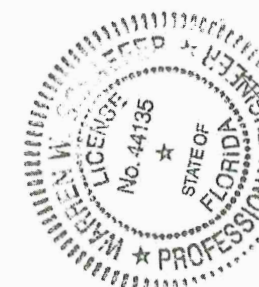


**EXTERIOR ELEVATION:
SINGLE RECTANGULAR
DOOR**

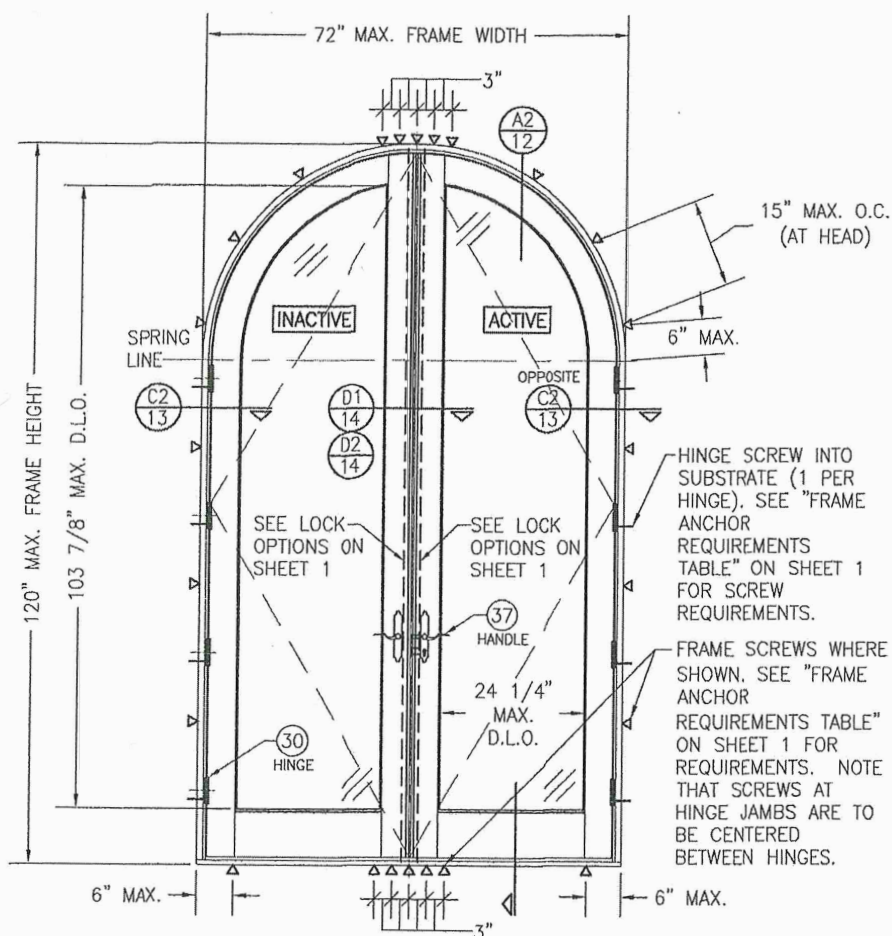
SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 26-0709.04
Expiration Date 4/16/2031
By [Signature]
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0908.04
Expiration Date 4/16/2031
By [Signature]
Miami Dade Product Control



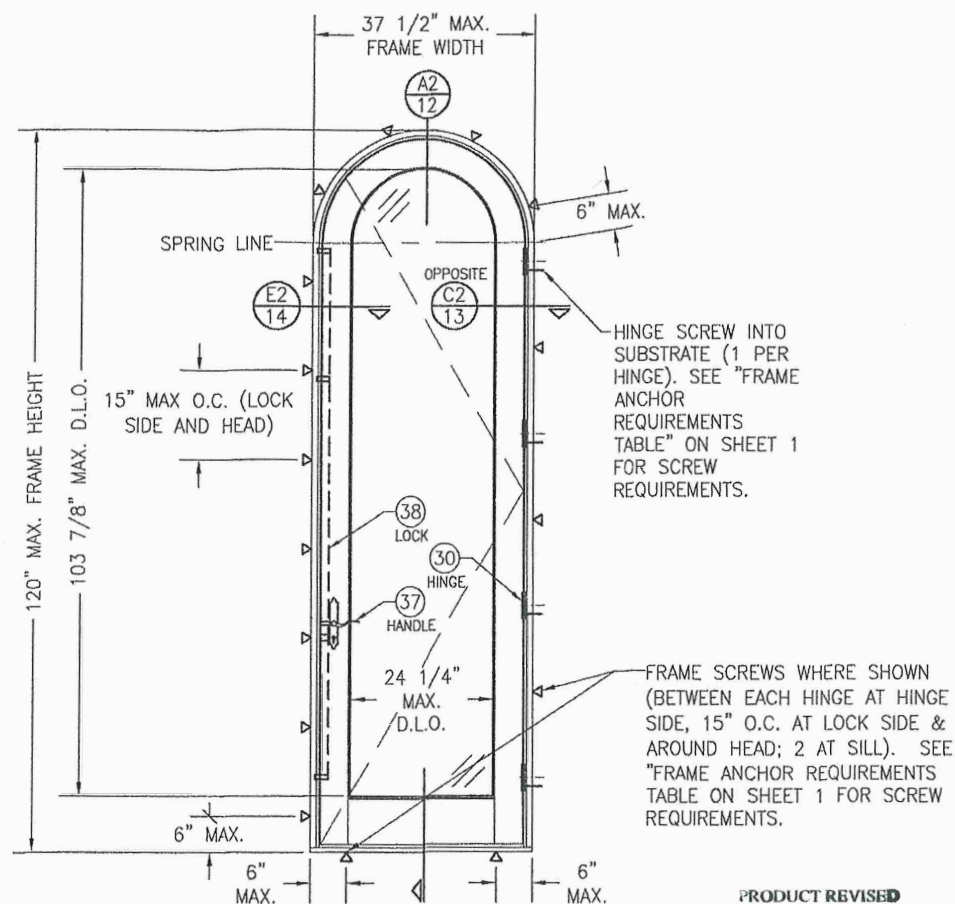
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 07/09/12	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.		MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC.	
25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424		2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	
CERTIFICATION SEP 02 2025		P.E. NO. 44135 WARREN W. SCHAEFER, P.E.	
DRAWING NO. 1748		REV. B	
SHEET NO. 3		OF 17	



EXTERIOR ELEVATION:
DOUBLE HALF-ROUND TOP DOOR

SCALE: $1/2" = 1'-0"$
(FRAME SCREW MOUNT CONDITION SHOWN. FOR
NAIL FIN MOUNT, SEE RECTANGULAR DOOR NAIL
FIN MOUNT ELEVATION)

SEE ALLOWABLE DESIGN PRESSURE
TABLES ON SHEET 1 FOR
ALLOWABLE DESIGN PRESSURES ON
SINGLE & DOUBLE DOORS.

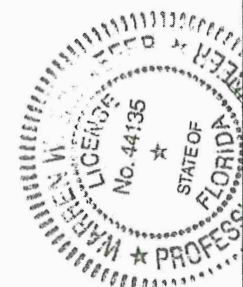


EXTERIOR ELEVATION;
SINGLE HALF-ROUND TOP
DOOR

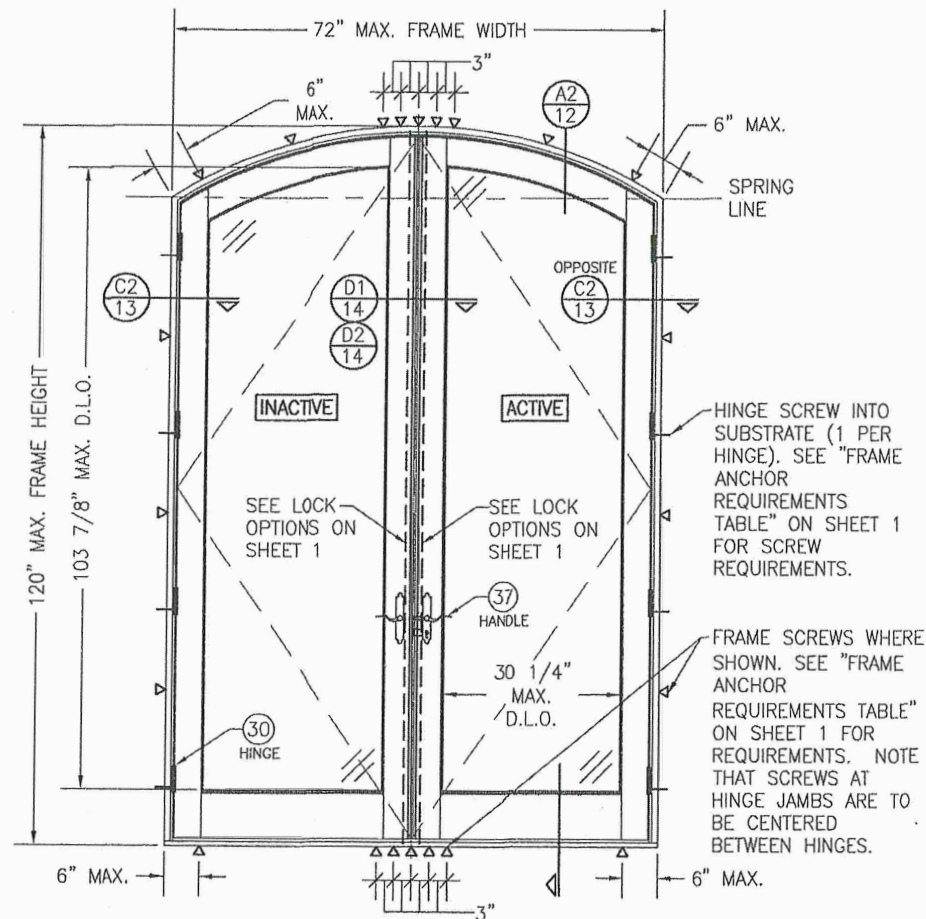
SCALE: $1/2" = 1'-0"$
(FRAME SCREW MOUNT CONDITION
SHOWN. FOR NAIL FIN MOUNT, SEE
RECTANGULAR DOOR NAIL FIN
MOUNT ELEVATION)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 26-6789.04
Expiration Date 7/16/2031
By Isheng I. U...
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 25-0908-04
Expiration Date 4/16/2031
By Isaac I. Ureche
Miami Dade Product Control



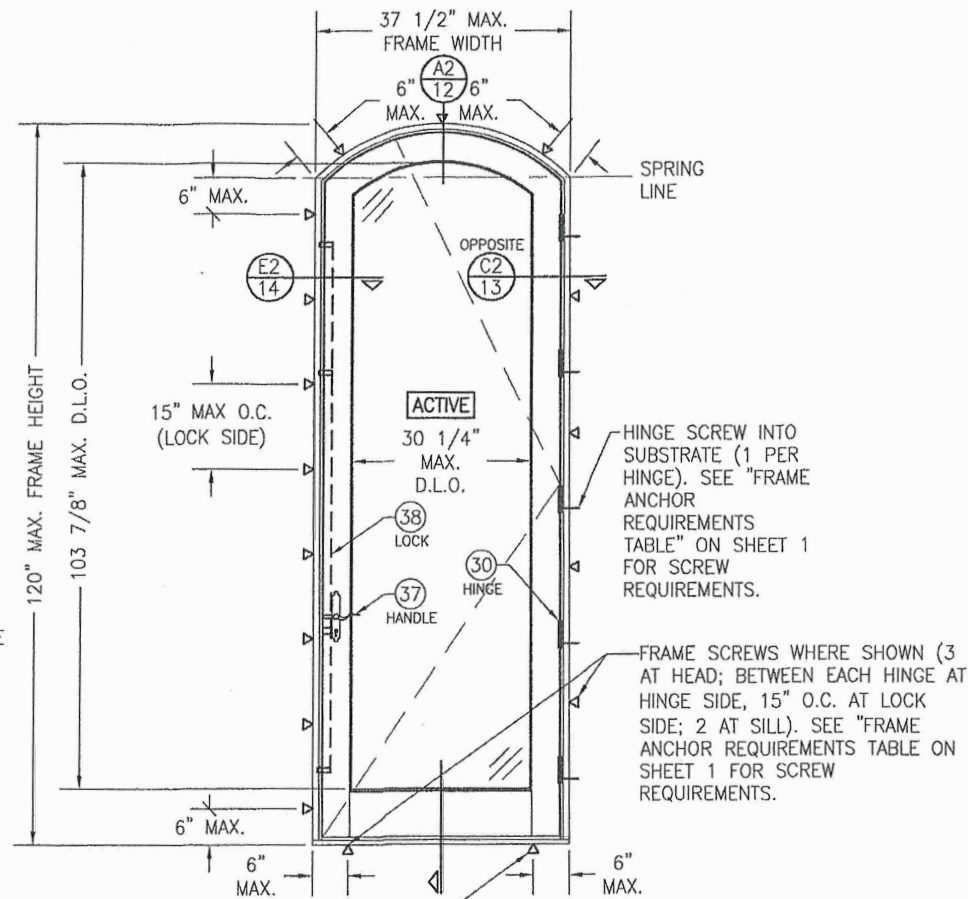
DRAWING NO. 1748	REV. B	SHEET NO. 4 OF 17	CERTIFICATION SEP 02 2025 WARREN W. SCHAEFER P.E. NO. 45135	DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR	CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	NO.			
							REVISION DESCRIPTION	BY	DATE	
DRAWN BY: W.R.M.				CHECKED BY: W.W.S.						
PLOT: 1=24				DATE: 07/09/12						



**EXTERIOR ELEVATION:
DOUBLE EYE-BROW TOP DOOR**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION SHOWN. FOR NAIL
FIN MOUNT, SEE RECTANGULAR DOOR NAIL FIN MOUNT
ELEVATION)

SEE ALLOWABLE DESIGN PRESSURE
TABLES ON SHEET 1 FOR
ALLOWABLE DESIGN PRESSURES ON
SINGLE & DOUBLE DOORS.



**EXTERIOR ELEVATION:
SINGLE EYE-BROW TOP
DOOR**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION
SHOWN. FOR NAIL FIN MOUNT,
SEE RECTANGULAR DOOR NAIL FIN
MOUNT ELEVATION)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 26-0709.04
Expiration Date 4/16/2031

By Ismael Luna
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0908.04
Expiration Date 4/16/2031

By Ismael Luna
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 07/09/12	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424		MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	
CERTIFICATION SEP 02 2025		P.E. NO. 44135	
DRAWING NO. 1748		REV. B	
SHEET NO. 5		OF 17	

MULLION ALLOWABLE DESIGN PRESSURE (SIDE BY SIDE DOORS)

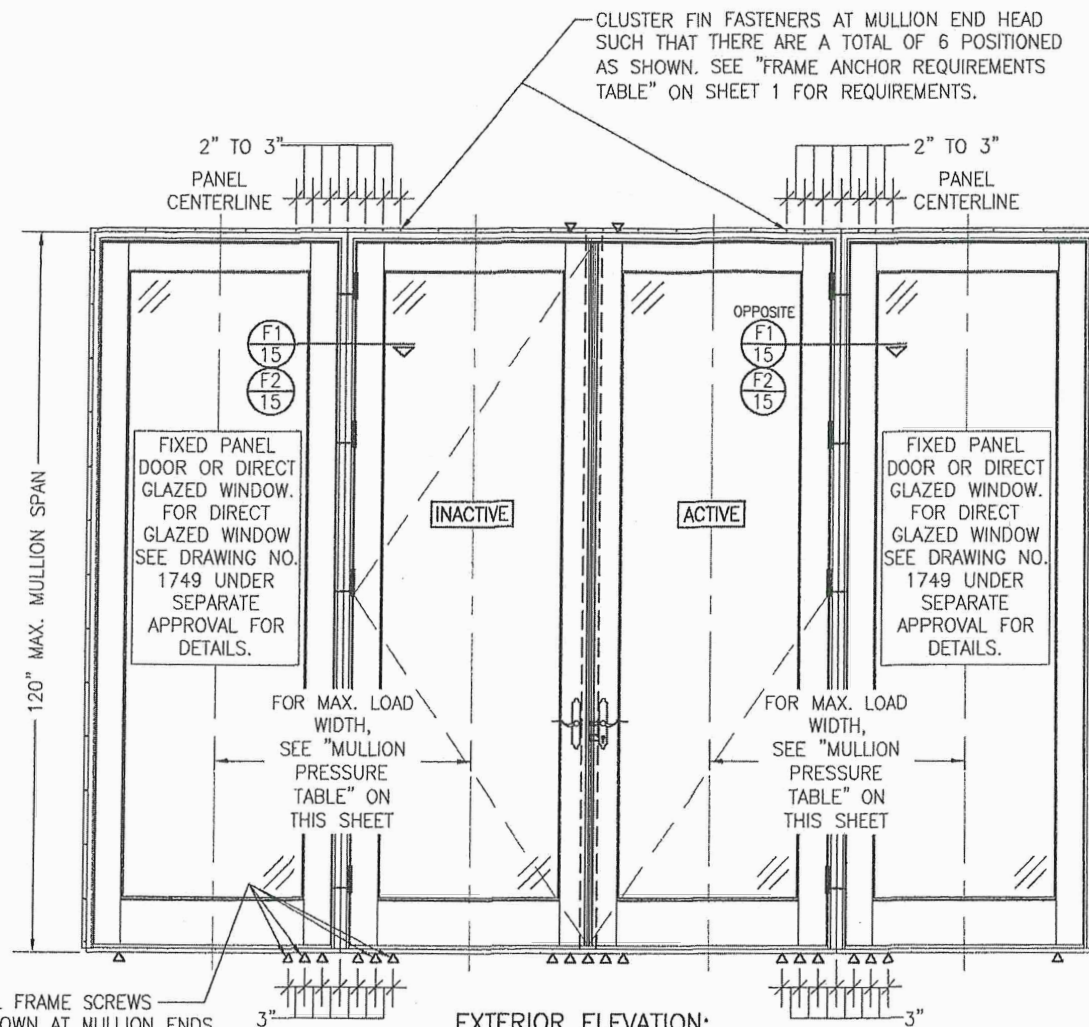
MAXIMUM MULLION SPAN (IN.)	MAXIMUM LOAD WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
120	51	41.2	41.2
	45	46.7	46.7
	42	50.0	50.0
	39	53.8	53.8
	36	58.3	58.3
	33	63.6	63.6
108	51	45.8	45.8
	45	51.9	51.9
	42	55.6	55.6
	39	59.8	59.8
	36	64.8	64.8
	35	65.0	65.0
102	56	44.1	44.1
	51	48.4	48.4
	45	54.9	54.9
	42	58.8	58.8
	39	63.3	63.3
	38	65.0	65.0
96	57	46.1	46.1
	51	51.5	51.5
	45	58.3	58.3
	42	62.5	62.5
	40	65.0	65.0
	38	65.0	65.0
90	57	49.1	49.1
	51	54.9	54.9
	48	58.3	58.3
	45	62.2	62.2
	43	65.0	65.0
	40	65.0	65.0
84	57	52.6	52.6
	51	58.8	58.8
	49	61.2	61.2
	46	65.0	65.0
	43	65.0	65.0
	40	65.0	65.0
80	57	55.3	55.3
	54	58.3	58.3
	51	61.8	61.8
	49	64.3	64.3
	48	65.0	65.0
	46	65.0	65.0

NOTES:

1. SEE ELEVATIONS FOR DIMENSIONING OF LOAD WIDTH.
2. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL DOOR.

MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
2. THERE IS NO LIMIT ON THE NUMBER OF DOORS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE DOORS & THEIR MULLIONS.
3. OXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.
4. INDIVIDUAL DOOR SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATION.

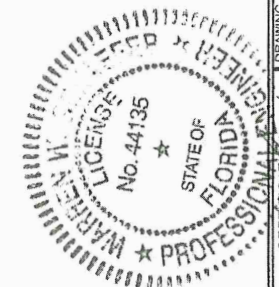


EXTERIOR ELEVATION: DOUBLE DOORS WITH SIDE LIGHTS

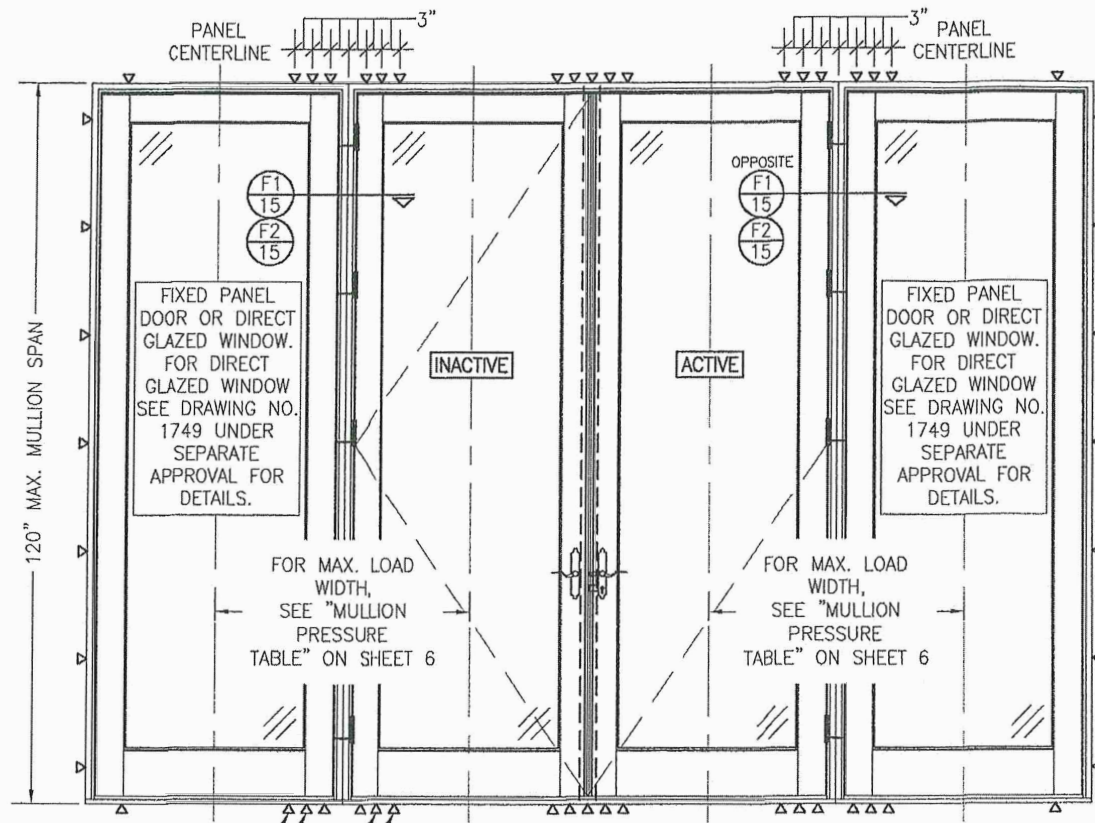
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)
(RECTANGULAR DOORS SHOWN, SHAPED DOORS ALSO APPLY. SEE
"APPROVED SHAPES" TABLE ON SHEET 1)

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 26-0764.04
Expiration Date 4/16/2031
By [Signature]
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0908.01
Expiration Date 4/16/2031
By [Signature]
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 07/09/12	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR			
MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828		CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	
CERTIFICATION SEP 02 2025		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1748		REV. B	
SHEET NO. 6		OF 17	



SEE SINGLE UNIT ELEVATIONS FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND EACH UNIT

ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (TYP. HEAD & SILL). NOTE: OUTER-MOST SCREW ON EACH SIDE OF THE MULLION IS NOT REQUIRED WHEN LOAD WIDTH IS 33 1/2" OR LESS OR WHEN FRAME HEIGHT IS 96" OR LESS

**EXTERIOR ELEVATION:
DOUBLE DOORS WITH SIDE LIGHTS**

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

(FRAME SCREW MOUNT CONDITION)

(RECTANGULAR DOORS SHOWN, SHAPED DOORS ALSO APPLY. SEE "APPROVED SHAPES" TABLE ON SHEET 1)

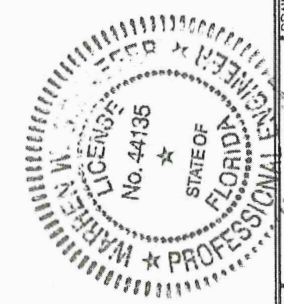
SEE "MULLION ALLOWABLE DESIGN PRESSURE" TABLE ON SHEET 6 FOR ALLOWABLE DESIGN PRESSURES ON MULLED UNIT

MULTIPLE UNIT NOTES:

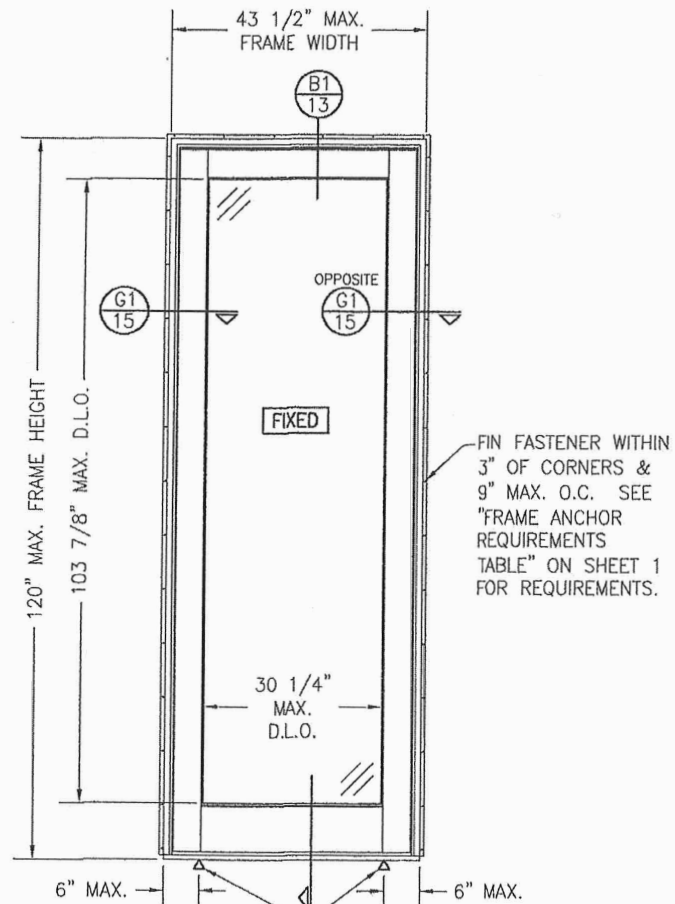
1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.
2. THERE IS NO LIMIT ON THE NUMBER OF DOORS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE DOORS & THEIR MULLIONS.
3. OXXO UNIT IS SHOWN. ALL OTHER FIXED/OPERABLE COMBINATIONS ALSO APPLY WITH THE MULLION CONDITIONS SHOWN.
4. INDIVIDUAL DOOR SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATION.

PRODUCT REVIEWED
as complying with the Florida Building Code
Acceptance No. 26-070804
Expiration Date 4/16/2031
By Isabel L. Llanos
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 25-090804
Expiration Date 4/16/2031
By Isabel L. Llanos
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 07/09/12	
DATE	BY	REVISION	DESCRIPTION
DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR			
MANUFACTURER:		ULTIMATE DOOR OF PALM BEACH, INC.	
CONSULTANTS:		2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	
CONSULTANTS:		W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25501 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	
CERTIFICATION:		SEP 02 2025	
DRAWING NO. 1748		REV. B	
SHEET NO. 7 OF 17			

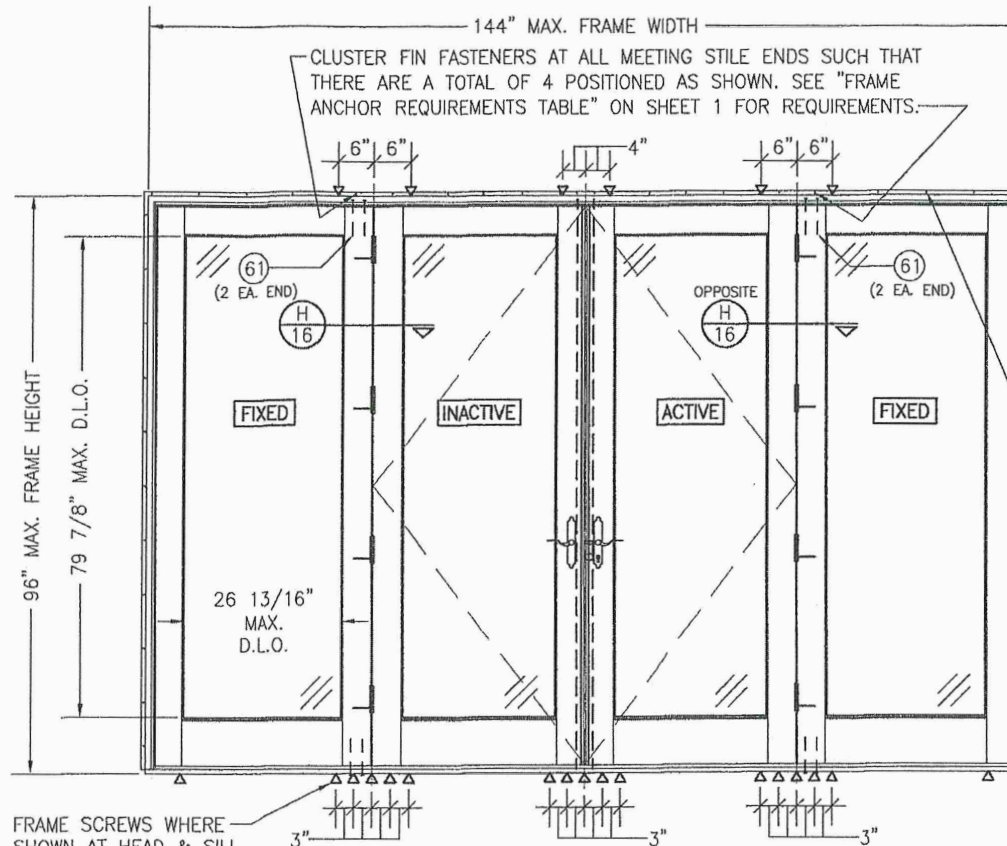


**EXTERIOR ELEVATION:
SINGLE FIXED PANEL DOOR**

SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

RECTANGULAR FIXED PANEL SHOWN. SHAPE TOP
CONDITION ALSO APPLIES WITH ANCHORING ALONG THE
FRAME CIRCUMFERENCE BEING THE SAME AS SPECIFIED
FOR A STRAIGHT FRAME.

SEE ALLOWABLE DESIGN PRESSURE
TABLES ON SHEET 1 FOR
ALLOWABLE DESIGN PRESSURES ON
FIXED PANEL DOORS.



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

**EXTERIOR ELEVATION:
QUAD PANEL DOOR WITH FIXED ASTRAGALS**

IN ONE FRAME
SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE
(DOORS WITH FIXED ASTRAGALS)

+48/-59 PSF

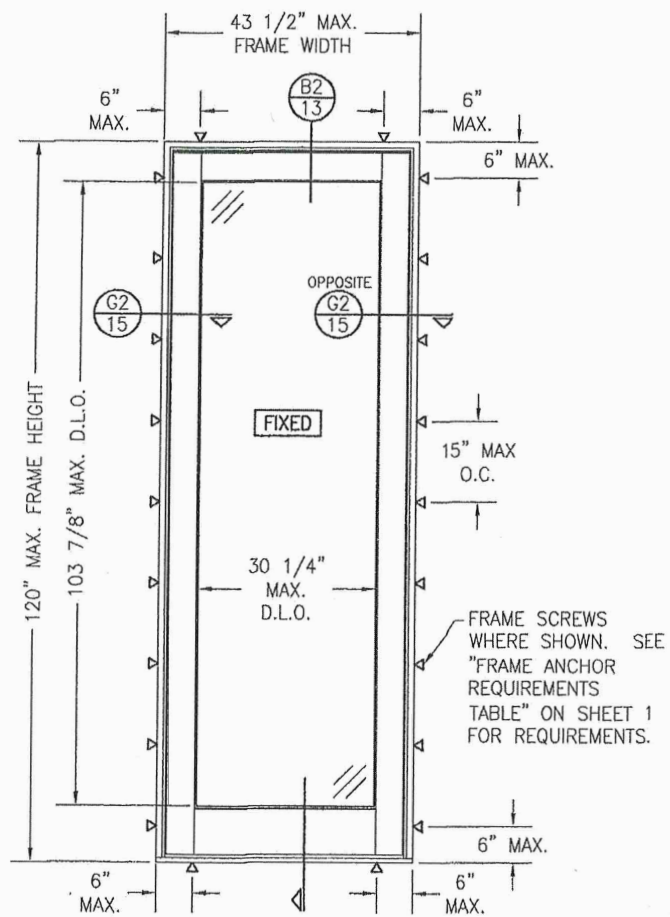
FIXED ASTRIGAL UNIT NOTES:

1. OXXO UNIT IS SHOWN. OX, XO, OXO, XXO & OXX UNITS ALSO APPLY.
2. FOR DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0908.04
Expiration Date 9/16/2031
By *W. W. Schaefer*
Miami Dade Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=24	DATE: 07/09/12
DATE	BY
REVISION	DESCRIPTION
NO.	
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR	
MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	
DRAWING NO. 1748	
REV. B	
SHEET NO. 8 OF 17	

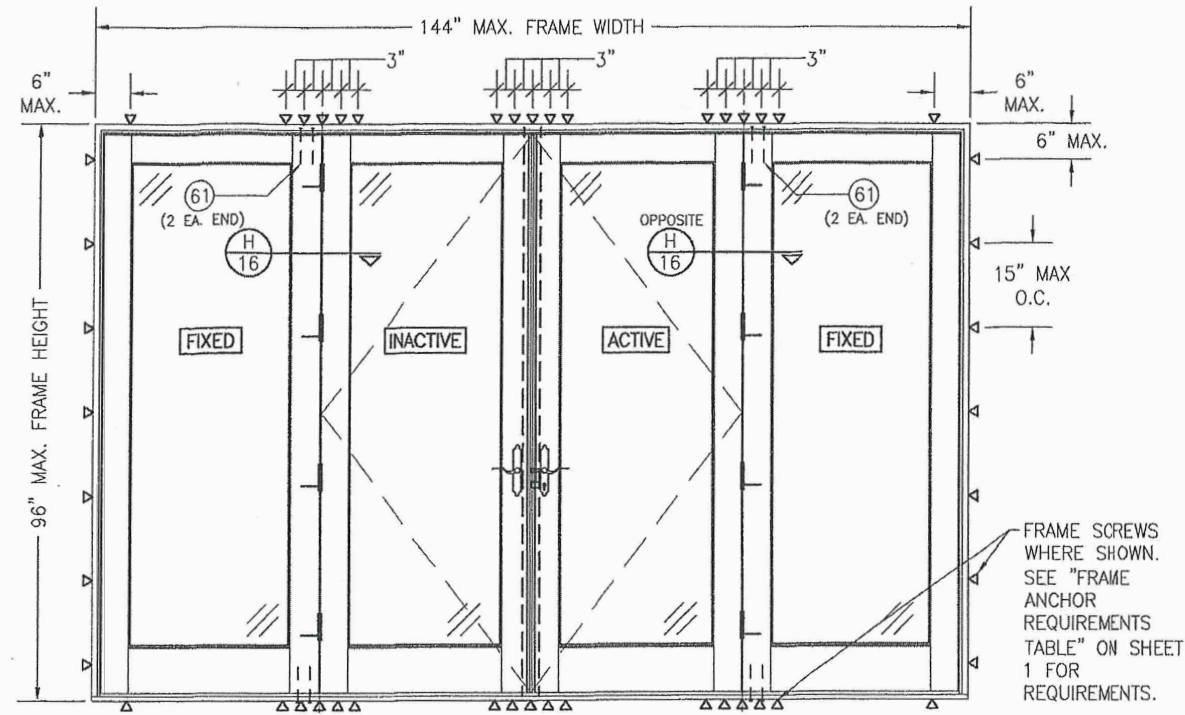


**EXTERIOR ELEVATION:
SINGLE FIXED PANEL DOOR**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)

RECTANGULAR FIXED PANEL SHOWN. SHAPE TOP CONDITION ALSO APPLIES WITH ANCHORING ALONG THE FRAME CIRCUMFERENCE BEING THE SAME AS SPECIFIED FOR A STRAIGHT FRAME.

SEE ALLOWABLE DESIGN PRESSURE TABLES ON SHEET 1 FOR ALLOWABLE DESIGN PRESSURES ON FIXED PANEL DOORS.



**EXTERIOR ELEVATION:
QUAD PANEL DOOR WITH FIXED ASTRAGALS
IN ONE FRAME**

SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)

ALLOWABLE DESIGN PRESSURE
(DOORS WITH FIXED ASTRAGALS)
+48/-59 PSF

FIXED ASTRIGAL UNIT NOTES:

1. OX XO UNIT IS SHOWN. OX, XO, OXO, XXO & OXX UNITS ALSO APPLY.
2. FOR DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 26-0709.04
Expiration Date 4/16/2031
By *Isang I. Chander*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0908.04
Expiration Date 4/16/2031
By *Isang I. Chander*
Miami Dade Product Control

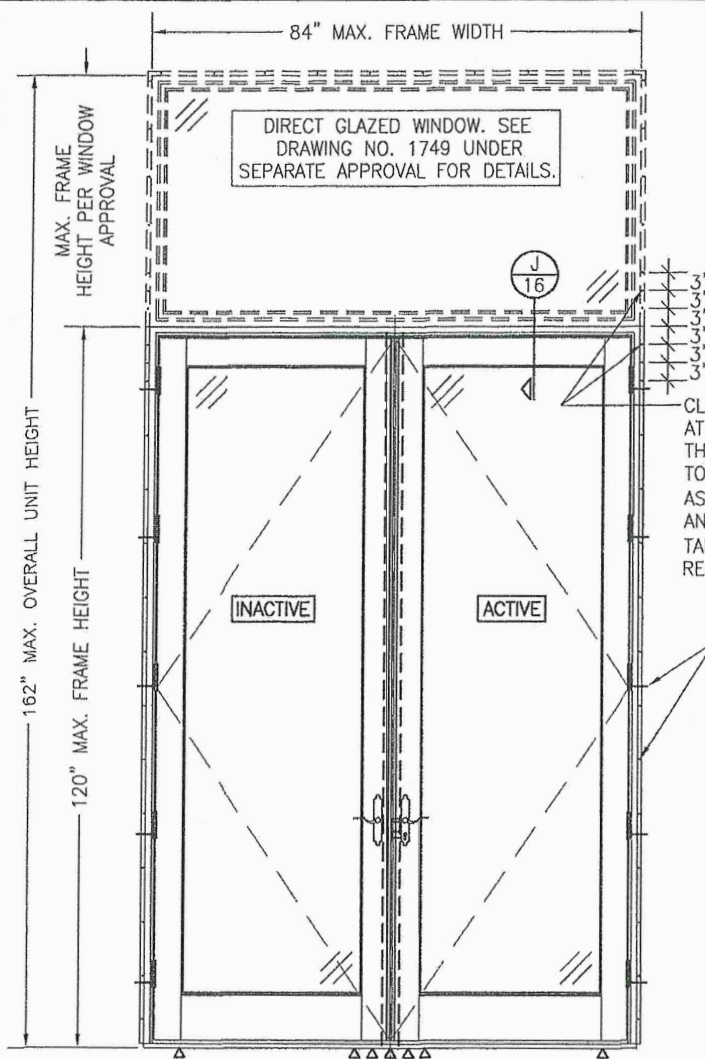


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 07/09/12	
DATE	BY	REVISION DESCRIPTION	NO.
ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828 CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE 561-744-3424			
CERTIFICATION: DRAWING TITLE SEP 02 2025 WARREN W. SCHAEFER P.E. P.E. NO. 44135			
DRAWING NO. 1748		REV. B	
SHEET NO. 9 OF 17			

**MULLION ALLOWABLE
DESIGN PRESSURE
(DOUBLE DOORS WITH TRANSOM)**

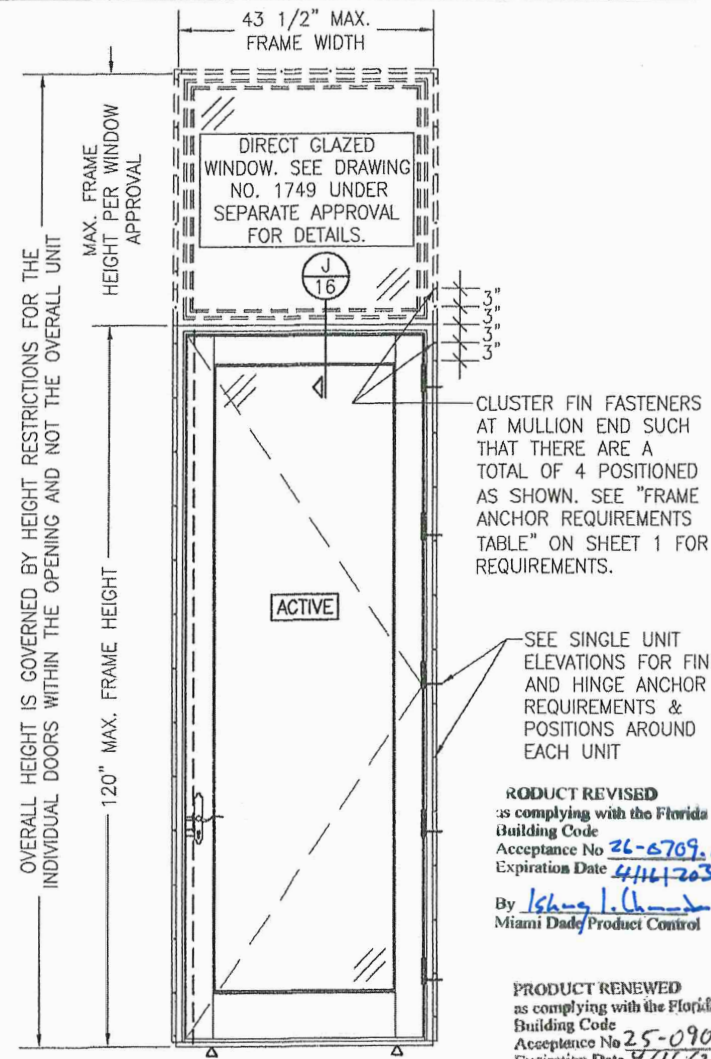
MAXIMUM FRAME WIDTH (IN.)	MAXIMUM OVERALL HEIGHT (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
84	162	50.0	50.0
	150	54.0	54.0
	144	56.3	56.3
	138	58.7	58.7
	132	61.4	61.4
	126	64.3	64.3
78	124	65.0	65.0
	162	53.8	53.8
	150	58.2	58.2
	144	60.6	60.6
75	138	63.2	63.2
	134	65.0	65.0
72	162	56.0	56.0
	156	58.2	58.2
	150	60.5	60.5
	144	63.0	63.0
66	139	65.0	65.0
	162	58.3	58.3
	156	60.6	60.6
60	150	63.0	63.0
	145	65.0	65.0
	162	63.6	63.6
	158	65.0	65.0
	162	65.0	65.0

NOTES:
1. ALLOWABLE UNIT PRESSURE SHALL BE THE LESSER OF THE PRESSURE SHOWN IN THIS TABLE & THAT SPECIFIED FOR THE INDIVIDUAL WINDOW OR DOOR.



**EXTERIOR ELEVATION:
DOUBLE DOORS WITH TRANSOM**

SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)
(FOR DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS)



**EXTERIOR ELEVATION:
SINGLE DOOR WITH TRANSOM**

SCALE: 1/2" = 1'-0"
(NAIL FIN MOUNT CONDITION)
(FOR DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS)

**MULLION ALLOWABLE
DESIGN PRESSURE
(SINGLE DOORS WITH TRANSOM)**

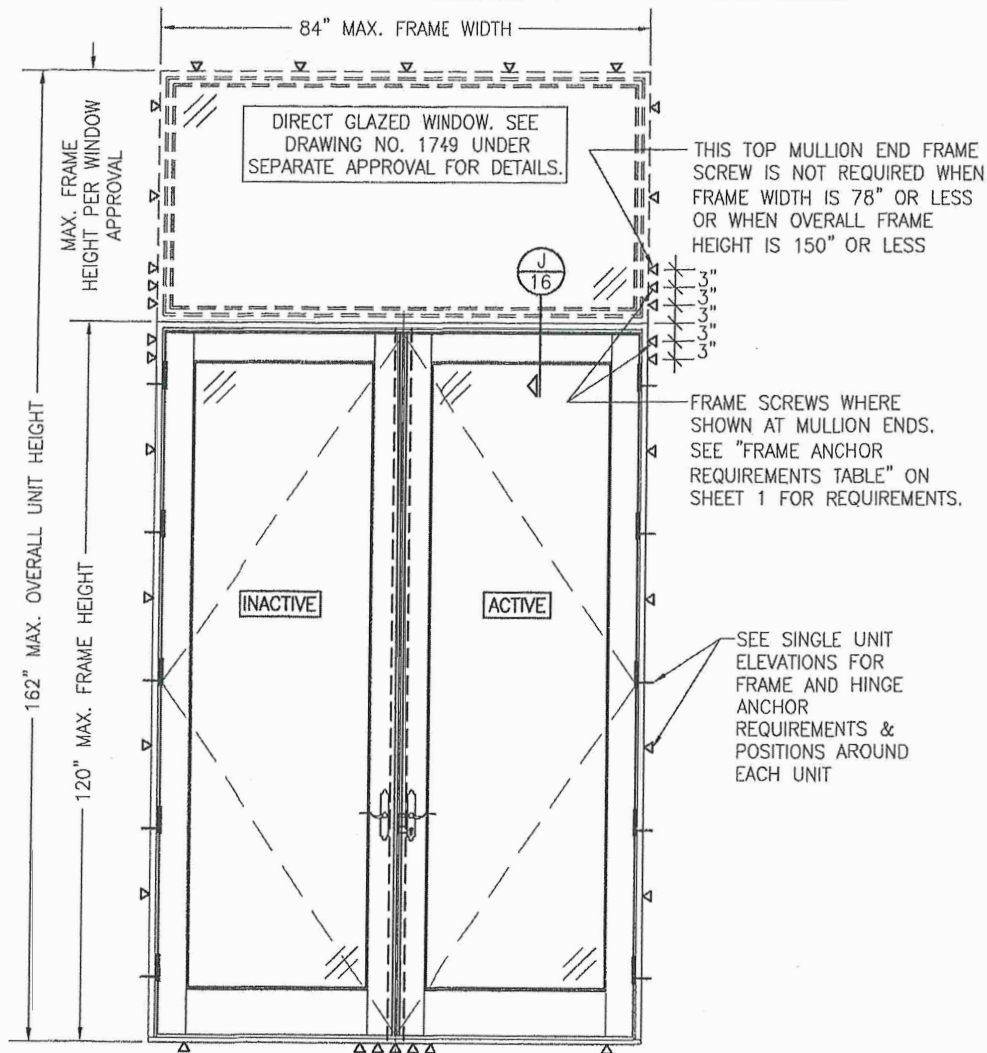
ALLOWABLE PRESSURE SHALL BE GOVERNED BY THE ALLOWABLE PRESSURE ON THE SINGLE DOOR. SEE SHEET 1 FOR ALLOWABLE PRESSURE ON SINGLE DOORS.

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 07/09/12	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR			
MANUFACTURER: ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828		CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	
SEP 02 2005		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1748		REV. B	
SHEET NO. 10 OF 17			



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 26-6709.04
Expiration Date 4/16/2031
By Ishag I. Ch...
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 25-0908.04
Expiration Date 4/16/2031
By Ishag I. Ch...
Miami Dade Product Control



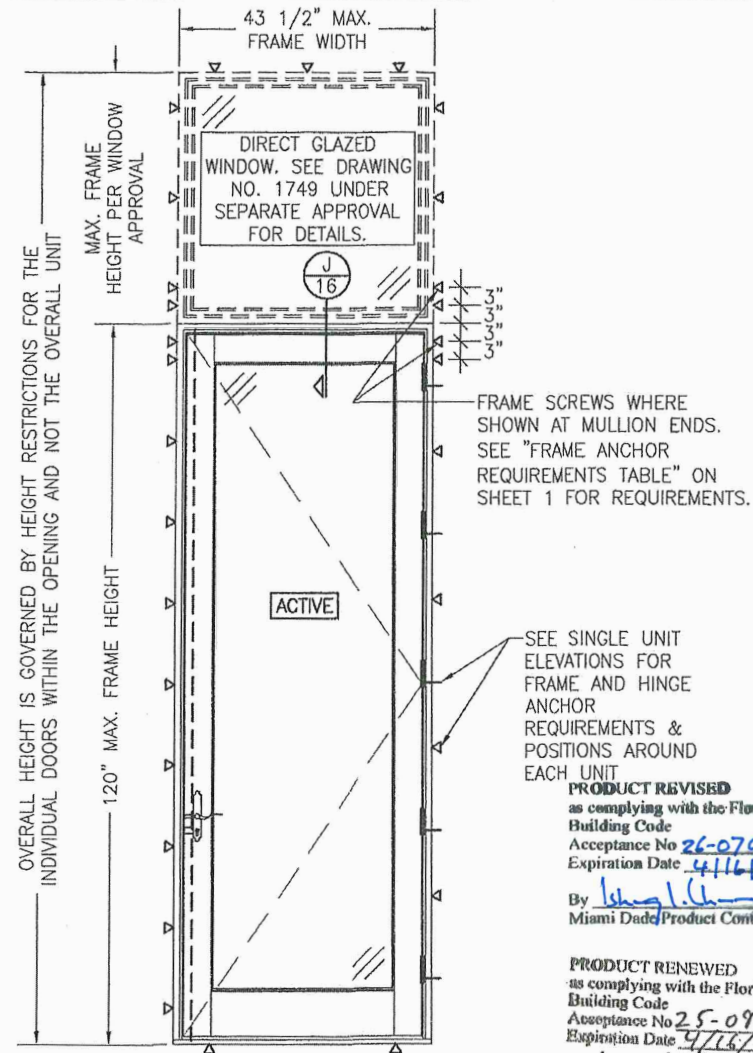
**EXTERIOR ELEVATION:
DOUBLE DOORS WITH TRANSOM**

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

(FRAME SCREW MOUNT CONDITION)

(FOR DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS)

SEE "MULLION ALLOWABLE DESIGN
PRESSURE" TABLE ON SHEET 10
FOR ALLOWABLE DESIGN
PRESSURES ON TRANSOM UNIT



**EXTERIOR ELEVATION:
SINGLE DOOR WITH TRANSOM**

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

(FRAME SCREW MOUNT CONDITION)

(FOR DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS)

**MULLION ALLOWABLE
DESIGN PRESSURE
(SINGLE DOORS WITH TRANSOM)**

ALLOWABLE PRESSURE SHALL BE
GOVERNED BY THE ALLOWABLE
PRESSURE ON THE SINGLE DOOR.
SEE SHEET 1 FOR ALLOWABLE
PRESSURE ON SINGLE DOORS.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **26-0709.04**
Expiration Date **4/16/2031**

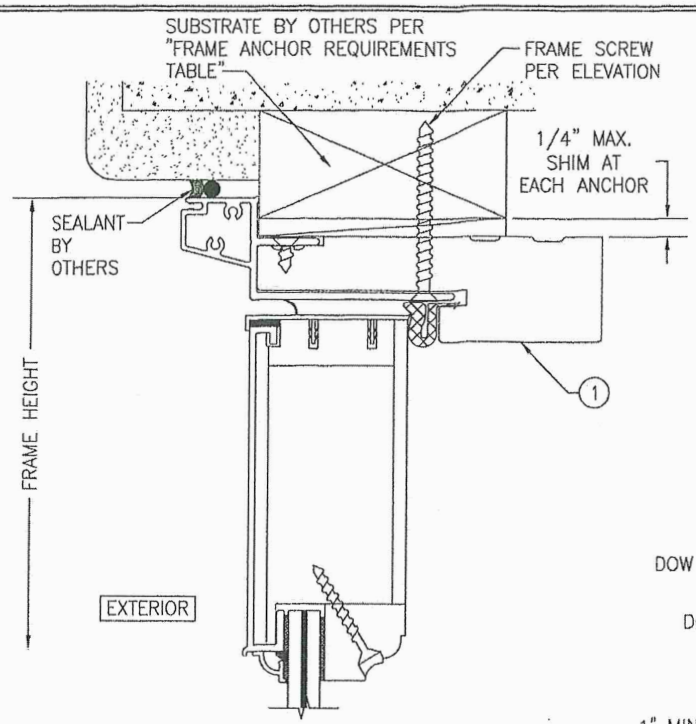
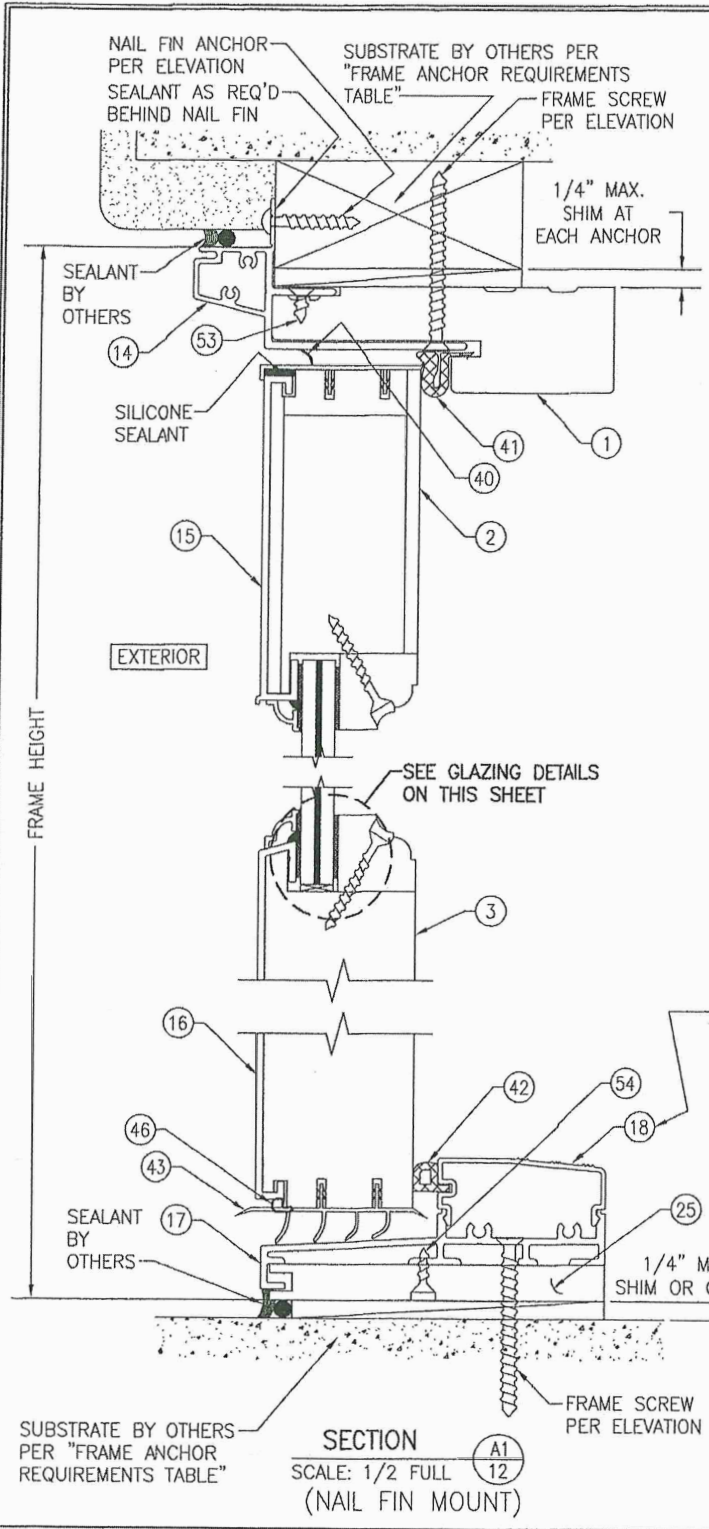
By *Isang I. Chae*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No **25-0908.04**
Expiration Date **9/16/2031**

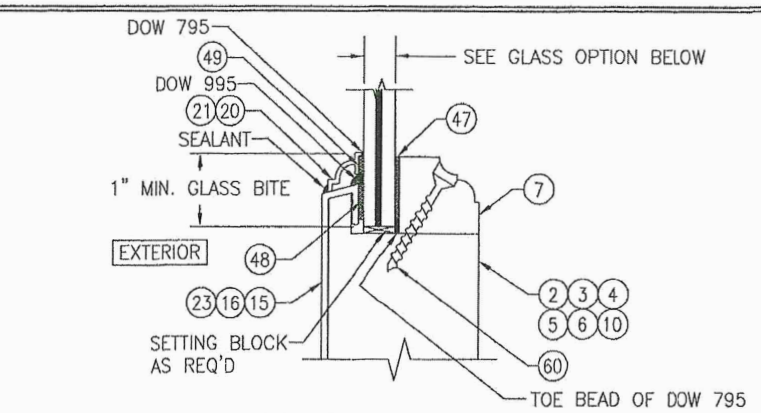
By *Isang I. Chae*
Miami Dade Product Control



DRAWN BY: W.F.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 07/09/12
NO.	DATE
BY	
REVISION DESCRIPTION	
ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR	
MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25801 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	
CERTIFICATION SEP 02 2025	
DRAWING NO. 1748	REV. B
SHEET NO. 11	OF 17

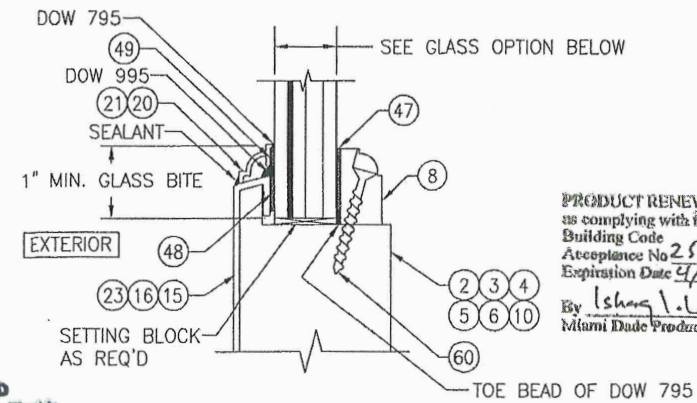


SECTION A2
SCALE: 1/2 FULL
(FRAME SCREW MOUNT)
(HEAD ONLY SHOWN. FOR SILL SECTION & DETAIL NOT SHOWN, SEE SECTION A1/12)



TYPICAL MONOLITHIC GLASS GLAZING DETAIL

OPTION 1: 7/16" LAMINATED GLASS (3/16" AN./0.090 KURARAY (PREVIOUSLY DUPONT) SG/3/16" AN.)



TYPICAL I.G. GLAZING DETAIL

OPTION 1: 7/8" I.G. LAMINATED GLASS (3/16" AN./0.090 KURARAY (PREVIOUSLY DUPONT) SG/3/16" AN. EXTERIOR/1/4" AIR SPACE/3/16" TEMP. INTERIOR)

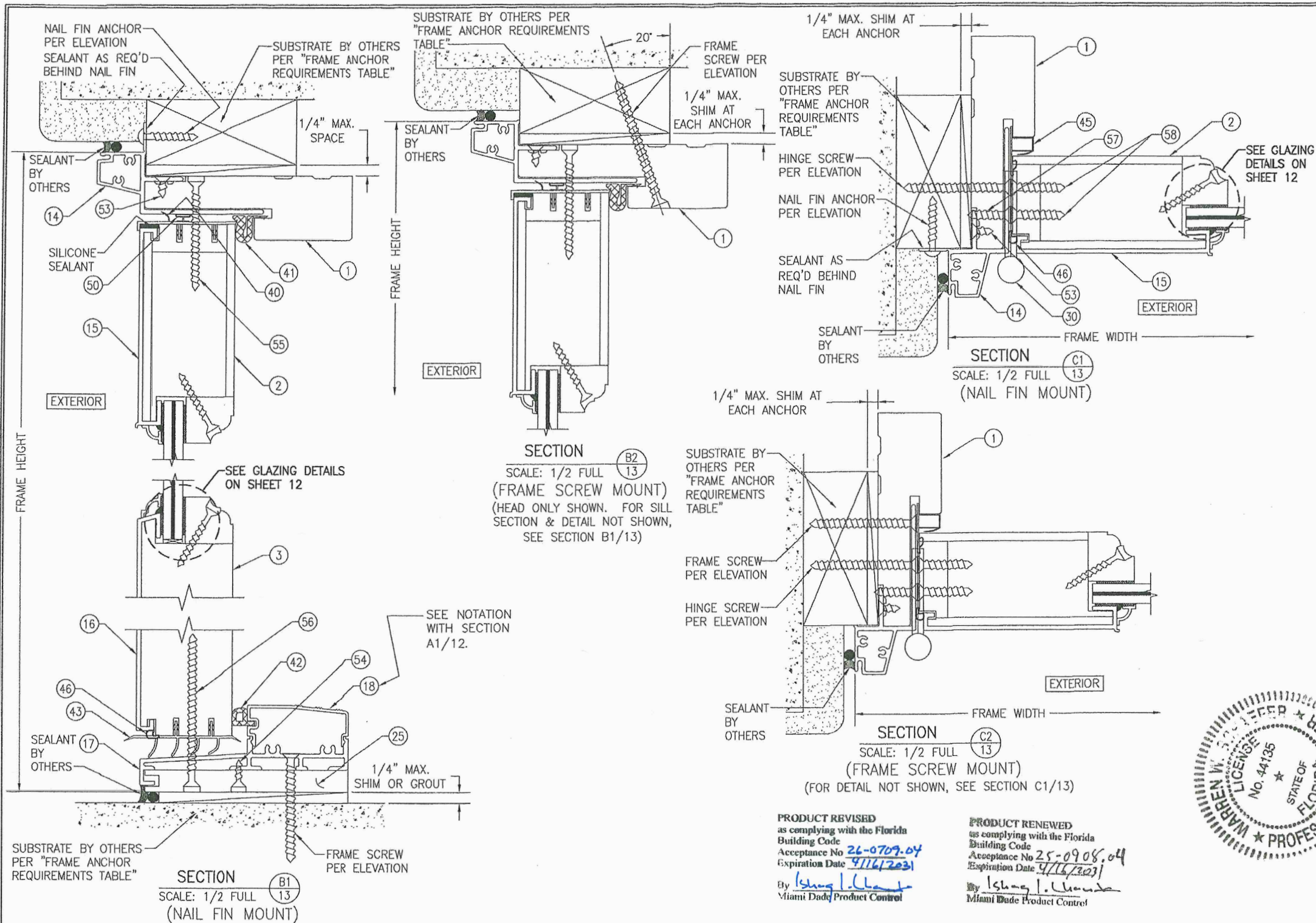
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 26-0709.04
Expiration Date 4/16/2031
By: [Signature]
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0908.04
Expiration Date 4/16/2031
By: [Signature]
Miami Dade Product Control

WATER RESISTANCE NOTE: THESE DOORS ARE APPROVED FOR WATER INFILTRATION RESISTANCE ONLY WHEN THRESHOLD CAP PART #18 IS USED. WHEN PART #18 IS NOT USED, THESE DOORS SHALL NOT BE INSTALLED WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR. WHEN NOT RATED FOR WATER INFILTRATION RESISTANCE, UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION, UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.

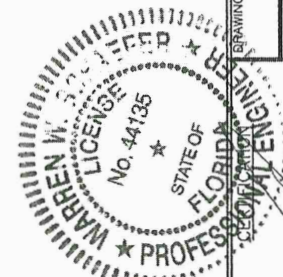


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 07/09/12
DATE	BY
REVISION	DESCRIPTION
NO.	
DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828
CERTIFICATION SEP 02 2025 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	DRAWING NO. 1748 REV. B SHEET NO. 12 OF 17



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 26-0709.04
Expiration Date 9/16/2023
By Isang I. Uman
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 25-0908.04
Expiration Date 9/16/2023
By Isang I. Uman
Miami Dade Product Control



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 07/09/12	
NO.	REVISION	DESCRIPTION	DATE
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DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR

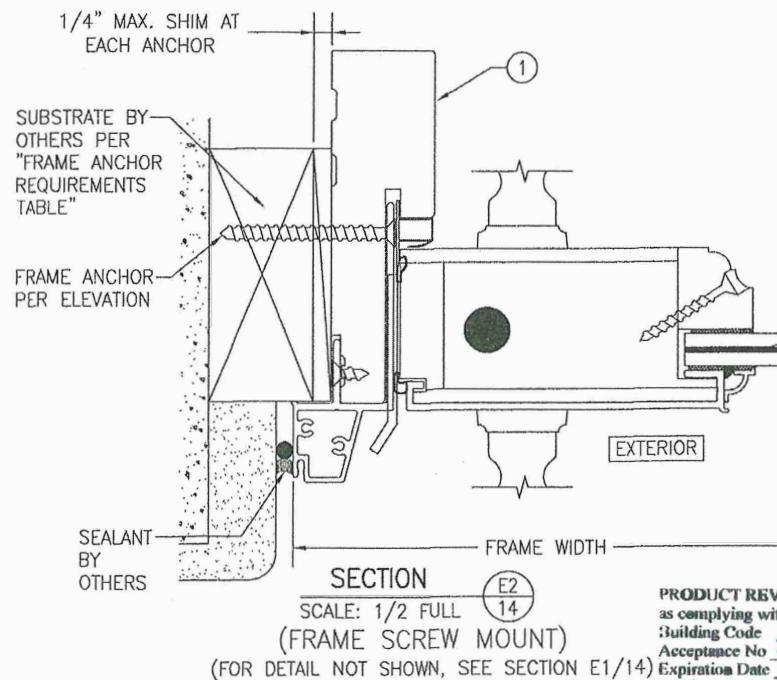
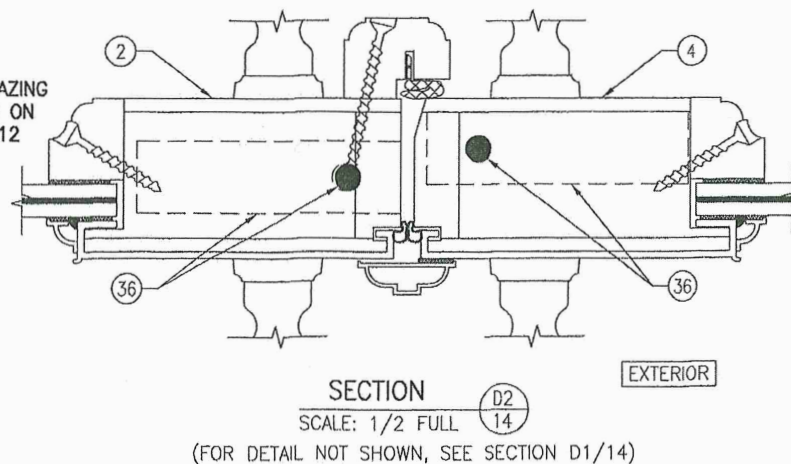
MANUFACTURER: ULTIMATE DOOR OF PALM BEACH, INC.
2800 2ND AVE. NORTH
LAKE WORTH, FL 33461
561-642-2828

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
25501 AVENUE DRIVE
PUNTA GORDA, FL 33983
PHONE: 561-744-3424

SEP 02 2025

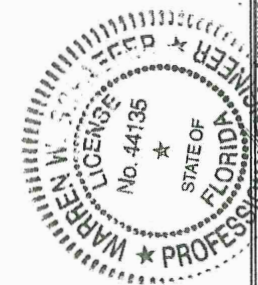
DRAWING NO. 1748 REV. B

SHEET NO. 13 OF 17

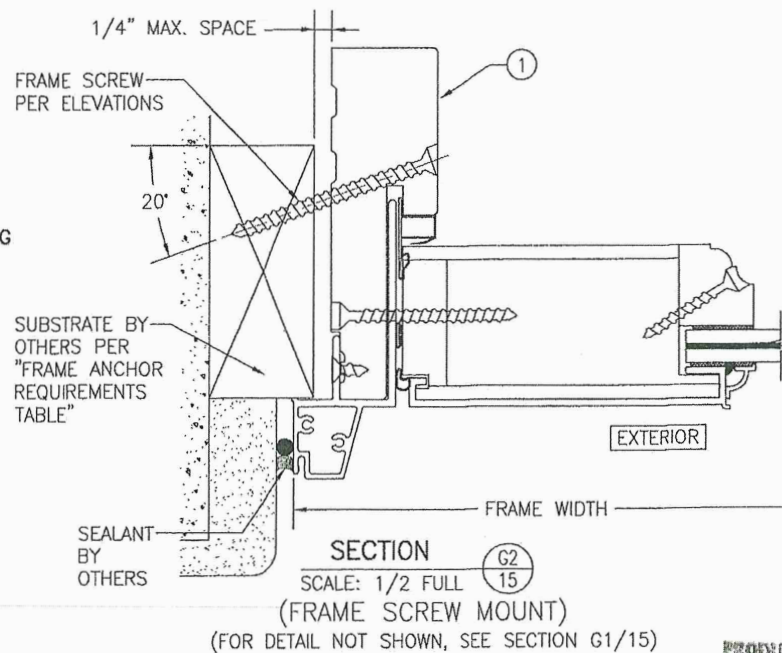
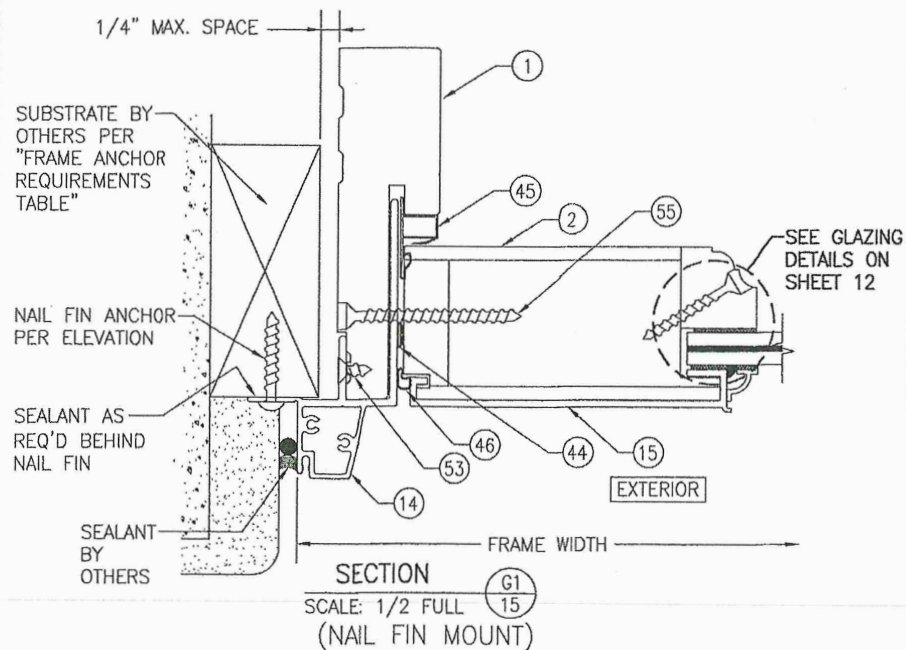
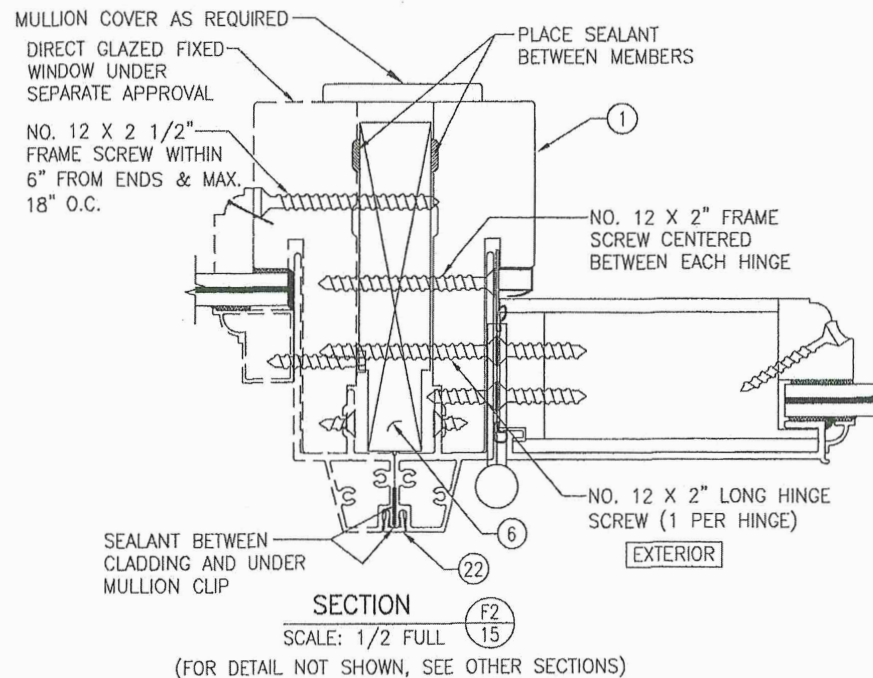
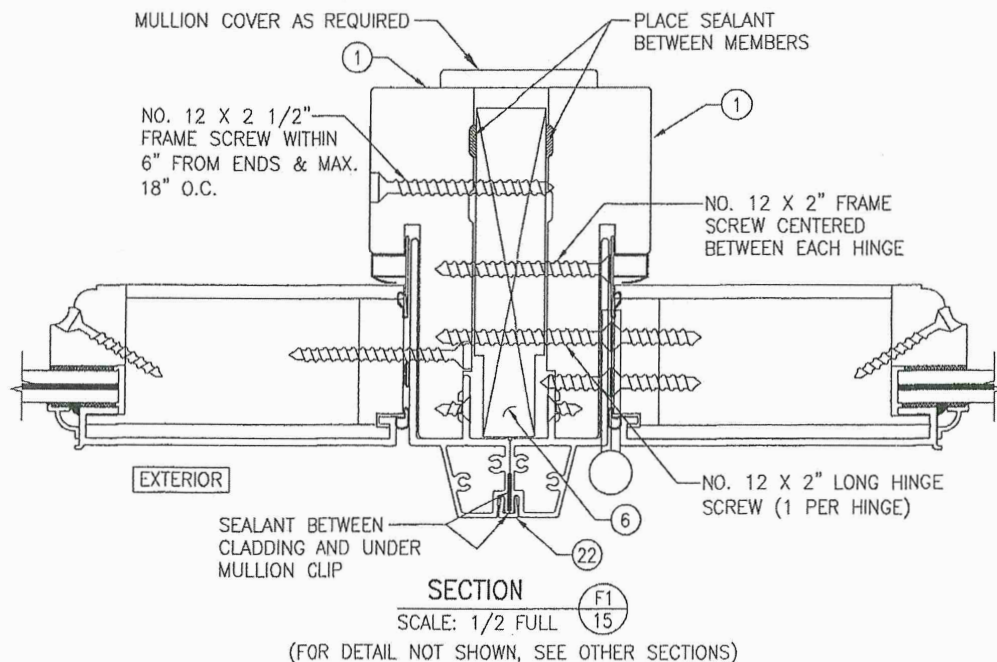


PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 26-0769.04
4) Expiration Date 4/16/2031
By Isling L. L...
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 25-0908.04
Expiration Date 9/16/2031
By Henry L. Chanda
Miami Dade Product Center



DRAWING NO. 1748	REV. B	DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR	
		CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 AYSSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	
SHEET NO. 14 OF 17		MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828	
CERTIFICATE OF COMPLIANCE SEP 02 2025 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		NO. _____ REVISION DESCRIPTION _____ BY _____ DATE _____	
DRAWN BY: W.R.M. CHECKED BY: W.W.S. PLOTS: 1=2 DATE: 07/09/12			



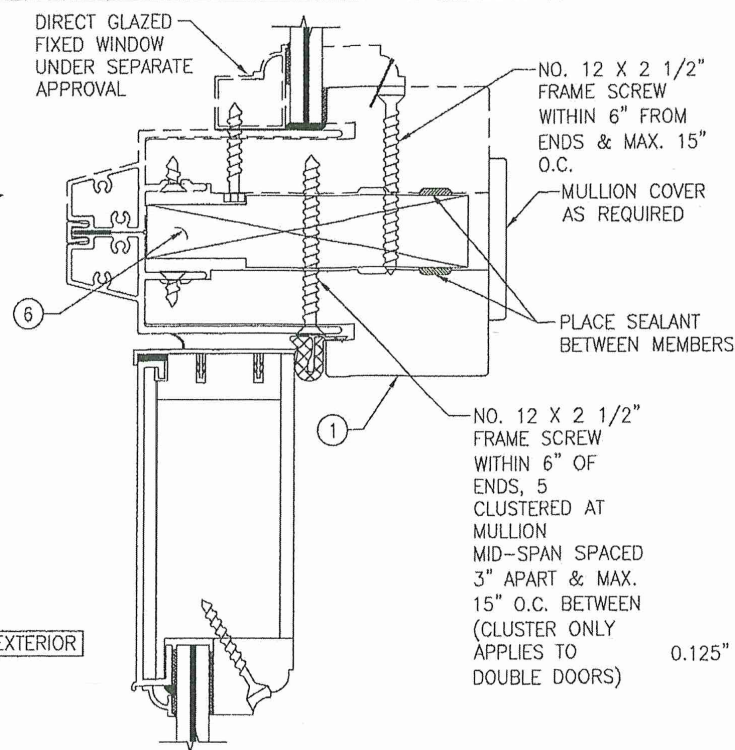
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 26-0709.04
Expiration Date 4/16/2031
By *Ismael L. Luna*
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 25-0908.04
Expiration Date 4/16/2031
By *Ismael L. Luna*
Miami Dade Product Control

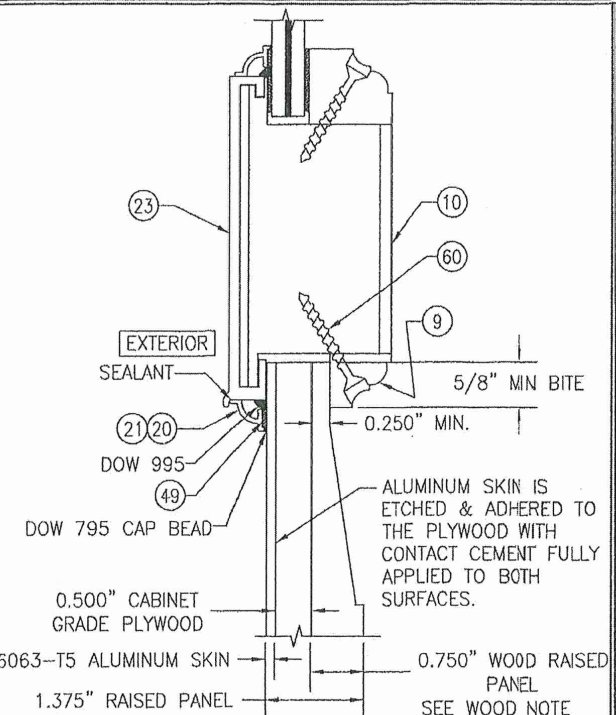


DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1-2	DATE: 07/09/12
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE: ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR MANUFACTURER: ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25501 NYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424	
SEP 02 2025	REV. B
DRAWING NO. 1748	SHEET NO. 15 OF 17

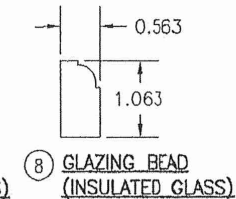
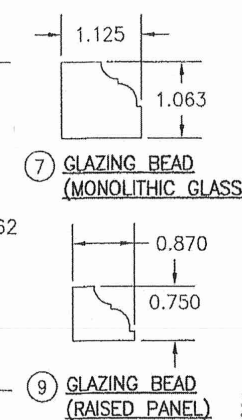
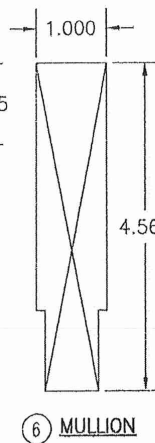
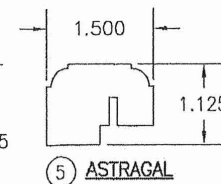
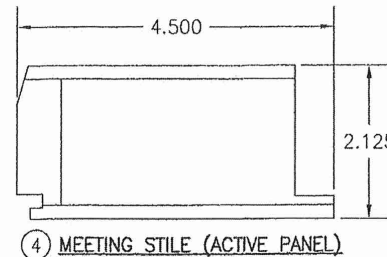
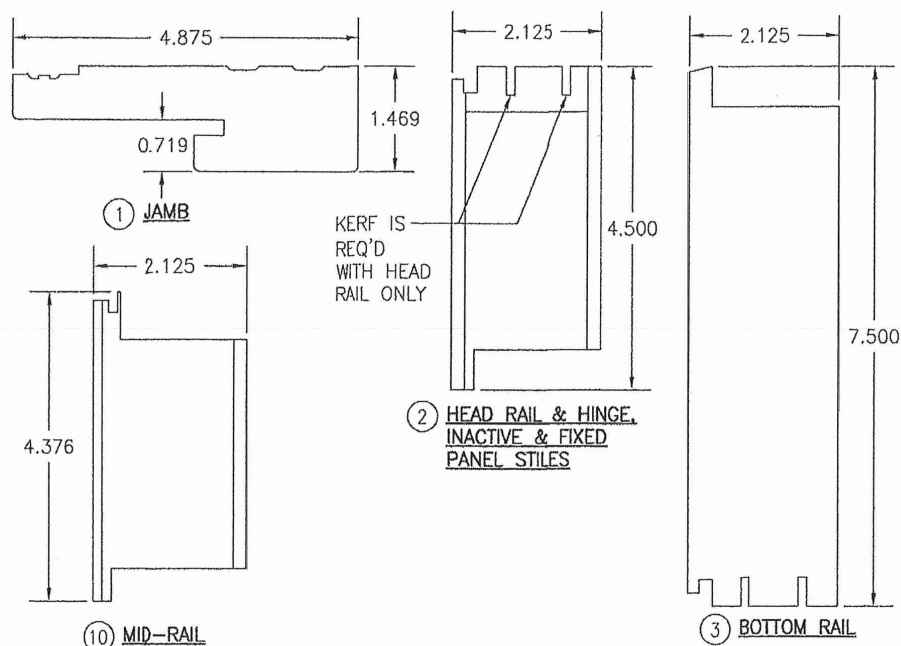
SECTION H
16
SCALE: 1/2" FULL
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION _____
SCALE: 1/2" = 1' FULL

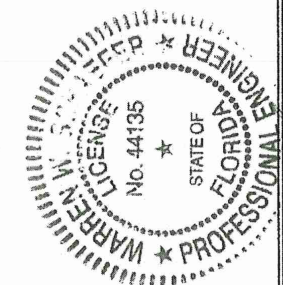


SECTION _____
SCALE: 1/2" = 1' FULL



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 26-0709-04
Expiration Date 4/16/2031
By Ish-g. I. I. I.
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 25-0908.04
Expiration Date 4/18/2031
By Sheryl L. [Signature]
Miami Dade Product Control



DRAWING NO. 1748	REV. B	DRAWING TITLE ALUMINUM CLAD WOOD IMPACT OUT-SWING FRENCH DOOR	NO. REVISION DESCRIPTION BY DATE	DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
				PLOT: 1=2	DATE: 07/08/12
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. 25601 ATYSEN DRIVE PUNTA GORDA, FL 33983 PHONE: 561-744-3424		MANUFACTURER ULTIMATE DOOR OF PALM BEACH, INC. 2800 2ND AVE. NORTH LAKE WORTH, FL 33461 561-642-2828		CERTIFICATION SEP 02 2025 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
SHEET NO. 16 OF 17					

