NOTICE OF ACCEPTANCE (NOA)

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.


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 #16-0114.08 and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

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

NOA No. 17-0803.03
Expiration Date: April 16, 2021
Approval Date: OCT 05, 2017
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's parts drawings and sections (submitted under files listed below)

B. TESTS (submitted under files #16-0114.08/#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. BS667.02-450-18 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. (submitted under file # 11-0310.01)

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0803.03
Expiration Date: April 16, 2021
Approval Date: October 05, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

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 (OX) & XX/O,
prepared by Hurricane Test Laboratory, L.L.C., 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.

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2014(5th
   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.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0803.03
Expiration Date: April 16, 2021
Approval Date: October 05, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New Evidence submitted

A. DRAWINGS
   1. None.

B. TESTS
   1. None

C. CALCULATIONS
   1. None.

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

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS
      and sealed by Warren W. Schaefer, P.E.

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

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0803.03
Expiration Date: April 16, 2021
Approval Date: October 05, 2017
### Approved Shapes

**Panel Height** | **Quantity Per Panel** | **Over 96"** | **96" or Less**
--- | --- | --- | ---
96" or Less | 3
96" or Less | 4

**Notes:**
1. Panel door frame with sill shall not be covered by shape of door.
2. Stronger shapes may apply providing they are similar to those shown & have similar construction as described in this drawing.
3. The shapes outlined (B) 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 90" or more.

### Hinge Requirements (Rectangular & Eyewall Top Double Doors & All Single Doors)

**Hinge Centerlines**
- APPROXIMATELY 3 1/2" below frame bottom.
- APPROXIMATELY 1 1/2" below frame bottom.
- SPRING LINE, 9 1/4" above bottom of sill and equally spaced between.

**Notes:**
1. Hinge centerlines shall be located approximately 7 1/2" below top of door frame or below frame bottom. Spring line, 9 1/4" above bottom of sill and equally spaced between.

### Allowable Design Pressure (All Single & Double Operable Doors & All Single Fixed Panel Doors)

<table>
<thead>
<tr>
<th>MAX. FRAME</th>
<th>MAX. FRAME</th>
<th>MAX. FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIDTH (IN.)</td>
<td>HEIGHT (IN.)</td>
<td>PRESSURE (PSF)</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>120</td>
<td>43 1/2</td>
<td>50.0 50.0</td>
</tr>
<tr>
<td>120</td>
<td>40 1/2</td>
<td>55.7 55.7</td>
</tr>
<tr>
<td>120</td>
<td>37 1/2</td>
<td>58.0 58.0</td>
</tr>
<tr>
<td>120</td>
<td>34 1/2</td>
<td>63.0 63.0</td>
</tr>
<tr>
<td>120</td>
<td>32 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>43 1/2</td>
<td>55.6 55.6</td>
</tr>
<tr>
<td>120</td>
<td>40 1/2</td>
<td>59.7 59.7</td>
</tr>
<tr>
<td>120</td>
<td>37 1/2</td>
<td>64.4 64.4</td>
</tr>
<tr>
<td>120</td>
<td>34 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>32 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>43 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>40 1/2</td>
<td>62.2 62.2</td>
</tr>
<tr>
<td>120</td>
<td>37 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>34 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>32 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>43 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>40 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>37 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>34 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>32 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>43 1/2</td>
<td>65.0 65.0</td>
</tr>
</tbody>
</table>

### Allowable Design Pressure (Single & Double Tapered Top Doors Operable Doors)

<table>
<thead>
<tr>
<th>MAX. FRAME</th>
<th>MAX. FRAME</th>
<th>MAX. FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>WIDTH (IN.)</td>
<td>HEIGHT (IN.)</td>
<td>PRESSURE (PSF)</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>120</td>
<td>37 1/2</td>
<td>50.0 50.0</td>
</tr>
<tr>
<td>120</td>
<td>34 1/2</td>
<td>54.3 54.3</td>
</tr>
<tr>
<td>120</td>
<td>31 1/2</td>
<td>59.3 59.3</td>
</tr>
<tr>
<td>120</td>
<td>28 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>28 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>37 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>34 1/2</td>
<td>60.4 60.4</td>
</tr>
<tr>
<td>120</td>
<td>31 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>28 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>28 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>37 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>34 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>31 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>28 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>28 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>37 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>34 1/2</td>
<td>65.0 65.0</td>
</tr>
<tr>
<td>120</td>
<td>31 1/2</td>
<td>65.0 65.0</td>
</tr>
</tbody>
</table>

### Frame Anchor Requirements Table

**Opening Type** | **Frame/Hinge/Fint to Opening**
--- | ---
MIN. 1/8 THK ASHE STEEL NO. 12 GR. 5 SELF TAP/DRIILL SCREW FULL 1/2" | MIN. 1/8" THK 6063-IS ALUM. NO. 12 GR. 5 SELF TAP/DRIILL SCREW FULL 1/2"
MIN. 1/8 THK 6063-15 ALUM. NO. 12 GR. 5 SELF TAP/DRIILL SCREW FULL 1/2" | 0) MIN. 1-90 CMU LIT 1/4" CONCRETE SCREW 1 1/4" 2"
2000 PSI CLC CONCRETE LIT 1/4" CONCRETE SCREW 1 3/4" 2" | 1) CONCRETE SCREWS SHALL BE ELKO ULTRACONS (C.S.), ELCO CRETE-FLX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S.) OR Hilti Kink-Con 6 (C.S. OR S.S.).
4) CHI IS NOT APPLICABLE AT THE HEAD AND SILL.

### Lock Options

**Single Rectangular Door Panel:**
- USE LOCK PART #31, 33, 38 OR COMBINATION OF #35 & #36

**Double Rectangular Door Panel:**
- USE LOCK PART #31, 33, 38 OR COMBINATION OF #35 & #36

**Single Double Tapered Top Door Panel:**
- USE LOCK PART #32, 34 OR #36

**Double Double Tapered Top Door Panel:**
- USE LOCK PART #38

**Notes:**
1. All hardware & fasteners shall be in accordance with these drawings & shall not vary unless specifically referred to the submittal.
2. All wind loading & pressure design is for wind loading only & shall not be used for the determination of transportation or installation of any other product item that may be used in conjunction with or the manufacturer's instructions of these drawings.

### General Notes

1. This product has been tested, analyzed & approved for design pressures only to exceed those shown in the allowable design pressure chart.
2. Openings, building & building fastening 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 referred to the submittal.
4. The entire range of structural strength of the structure represents the wind loads & pressures of the Florida building code & shall be verified that the design is in accordance with the wind loads & pressures of the Florida building code, the structure & its fasteners shall be in accordance with the Florida building code.
5. All wood products used in this structure shall be in accordance with the Florida building code & shall be verified that the design is in accordance with the Florida building code.
6. This product has been designed in accordance with the Florida building code & shall be verified that the design is in accordance with the Florida building code.
7. Impact shutters are not required with this product.
8. All standards shown for pressure & frame pressure must be fit to OSHA & ANSI standards.
9. No increase in allowable stress has been used in the certification of this product.
10. Water, including the design used, shall not be used for the determination of transportation or installation of any other product item that may be used in conjunction with or the manufacturer's instructions of these drawings.
EXTERIOR ELEVATION:
DOUBLE RECTANGULAR DOOR

SCALE: 1/8" = 1'-0"
(FRAME SCREW MOUNT CONDITION)

SEE ALLOWABLE DESIGN PRESSURE TABLES ON SHEET 1 FOR ALLOWABLE DESIGN PRESSURES ON SINGLE & DOUBLE DOORS.
EXTERIOR ELEVATION: DOUBLE EYE-BROW TOP DOOR

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

(FRAME SCREW MOUNT CONDITION SHOWN, FOR NAIL FIN MOUNT, SEE RECTANGULAR DOOR MNT. FIN MOUNT ELEVATION)

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

SEE LOCK OPTIONS ON SHEET 1

6" MAX.

INACTIVE

ACTIVE

6" MAX.

HINGE SCREW INTO SUBSTRATE (1 PER HINGE). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS.

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS. NOTE THAT SCREWS AT HINGE JUMPS ARE TO BE CENTERED BETWEEN HINGES.

15" MAX D.C. (LOCK SIDE)

37 1/2" MAX.

FRAME WIDTH

37 1/2" MAX.

FRAME WIDTH

FRAME SCREWS WHERE SHOWN (3 AT HEAD; BETWEEN EACH HINGE AT HINGE SIDE, 15" D.C. AT LOCK SIDE; 2 AT SILL). SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR SCREW REQUIREMENTS.

ACTIVE

50 HINGE

50 HINGE

SPRING LINE

SPRING LINE

ACTIVE

50 HINGE

50 HINGE

30 1/4" MAX. D.L.O.

103 7/8" MAX. D.L.O.

103 7/8" MAX. D.L.O.

103 7/8" MAX. D.L.O.

6" MAX.

6" MAX.

6" MAX.

6" MAX.

30 1/4" MAX. D.L.O.

30 1/4" MAX. D.L.O.

30 1/4" MAX. D.L.O.

30 1/4" MAX. D.L.O.

15" MAX D.C. (LOCK SIDE)

15" MAX D.C. (LOCK SIDE)
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. DXXD 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"

(FRAME SCREW MOUNT CONDITION)

(RIGHT AND LEFT DOORS SHOWN, CENTER DOORS ALSO APPLY)

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

ADD LITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS.

SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (TPY. 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.

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. ON ANY 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.

SEE SINGLE UNIT ELEVATIONS FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND EACH UNIT.
FIN FASTENERS WITHIN 3/4 OF CORNERS & 9" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

FIN FASTENERS WITHIN 3/4 OF CORNERS & 9" MAX. O.C. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

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

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

ALLOWABLE DESIGN PRESSURE (DOORS WITH FIXED ASTRAGALS)

+48/-59 PSF

FIXED ASTRAGAL UNIT NOTES:
1. OXXO UNIT IS SHOWN OX, XO, OXO, XOX & OXX UNITS ALSO APPLY.
2. FOR DETAIL NOT SHOWN, SEE INDIVIDUAL ELEVATIONS.
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 Astragal Unit Notes:
1. OXXO Unit is shown. UX, XO, OXX, XOX & OXX units also apply.
2. For detail not shown, see individual unit elevations.

PRODUCT REVISION
as complying with the Florida Building Code
Expiration Date: 06/14/46

PRODUCT REVISION
as complying with the Florida Building Code
Expiration Date: 06/14/46

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
136 58.7 58.7
132 61.4 61.4
126 64.3 64.3
124 65.0 65.0
78 162 53.8 53.8
150 58.2 58.2
144 60.6 60.6
138 63.2 63.2
134 65.0 65.0
75 162 56.0 56.0
150 60.5 60.5
144 63.0 63.0
139 65.0 65.0
134 66.3 66.3
130 68.0 68.0
72 162 58.2 58.2
150 62.6 62.6
144 65.0 65.0
138 67.5 67.5
134 69.0 69.0
66 162 60.0 60.0
150 65.0 65.0
60 158 65.0 65.0

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

DIRECT GLAZED WINDOW. SEE DRAWING NO. 1749 UNDER SEPARATE APPROVAL FOR DETAILS.

CLUSTER FIN FASTENERS AT MULLION ENDS SUCH THAT THERE ARE A TOTAL OF 6 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

SEE SINGLE UNIT ELEVATIONS FOR FIN AND HINGE ANCHOR REQUIREMENTS & POSITIONS AROUND EACH UNIT.

EXTERIOR ELEVATION:
DOUBLE DOORS WITH TRANSOM
SCALE: 1/2" = 1'-0"
(FOR DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS)

EXTERIOR ELEVATION:
SINGLE DOOR WITH TRANSOM
SCALE: 1/2" = 1'-0"
(FOR DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS)
EXTERIOR ELEVATION:
DOUBLE DOORS WITH TRANSOM
SCALE: 1/2" = 1'-0"
(FRAME SCREW MOUNT CONDITION)
(FOR DETAIL NOT SHOWN, SEE INDIVIDUAL UNIT ELEVATIONS)

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.
TYPICAL MONOLITHIC GLASS GLAZING DETAIL

OPTION 1: 7/16" LAMINATED GLASS (3/16" AN./0.090 KURARAY (PREVIOUSLY DUPOINT) 5G/3/16" AN.

PRODUCT REVISED as complying with the Florida Building Code:
Acceptance No. FBC-4015-156
Explanation Date: 12-16-09

SEALANT BY OTHERS

SECTION

SCALE: 1/2 FULL

(FRAME SCREW MOUNT)

(HEAD ONLY SHOWN. FOR SILL SECTION & DETAIL NOT SHOWN, SEE SECTION A1/12)

WHEN DOOR IS TO BE USED AS AN ADA DOOR AND/OR IT IS NOT REQUIRED TO HAVE A WATER RESISTANCE RATING, THE THRESHOLD CAP #18 IS NOT REQUIRED AND MAY BE REPLACED WITH ANY TYPE OF LOWER CAP. SEE WATER RESISTANCE NOTE ON THIS SHEET FOR APPLICABLE CONDITIONS FOR NON-WATER RATED DOORS.

1/4" MAX.

SHIM OR GROUT

WATER RESISTANCE NOTE: THESE DOORS ARE APPROVED FOR WATER INFLATION RESISTANCE ONLY WHEN THRESHOLD CAP PART #18 IS USED. WHEN PART #18 IS NOT USED, THESE DOORS SHALL NOT BE INSTALLED WHERE WATER INFLATION RESISTANCE IS REQUIRED BY THE DOOR. WHEN NOT RATED FOR WATER INFLATION RESISTANCE, UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFLATION. UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANDY OR OVERHANG WHERE -BY THE OVERHANG-[H] RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.
MULTI-POINT LOCK SYSTEM SHOWN.
FLUSH BOLTS - PART #36 WITH DEAD BOLT
PART #35 ALSO APPLIES FOR USE WITH
SINGLE RECTANGULAR DOORS.

1/4" MAX. SPACE

SEALANT AS REQUIRED PER ELEVATION

SEALANT AS REQUIRED PER OTHERS

SUBSTRATE BY OTHERS PER TBE
ANCHOR REQUIREMENTS TABLE"