NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.
1070 Technology Drive,
Nokomis, Fl. 34275

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, has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series “FD–750” Outswing Aluminum French Door w/ Sidelites – L.M.I.

APPROVAL DOCUMENT: Drawing No. 8000–11 Rev G, titled “Alum. French Door & Side Lites, Impact”, sheets 1 through 12 of 12, dated 12/23/04 and last revised on 11/22/2019, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E., bearing the Miami–Dade County Product Control Section Renewal stamp with the Notice of Acceptance number and Expiration date by the Miami–Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:
1. See sheet 3 for Design Pressures (DP) VS sizes and glass types for doors and sidelites and overhang/sill options in sheet 1. When doors are assembled with sidelites, lower design pressures from door or sidelite shall control.
2. See glass options in sheet 1 & 2 and spacer options for insulated glass in sheet 9.
3. See installation anchoring details in sheets 10, 11 and 12.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, 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 renews NOA No. 17-0504.04 and consists of this page 1 and evidence pages E–1, E–2, E-3 and E–4, as well as approval document mentioned above.

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

NOA No. 19-1126.08
Expiration Date: February 24, 2025
Approval Date: January 09, 2020
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's die drawings and sections.
2. Drawing No. 8000–11, titled "Alum. French Door & Side Lites, Impact", sheets 1 through 12 of 12, dated 12/23/04, with revision "E" dated 10/12/11, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, 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) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94
   along with marked-up drawings and installation diagram of an aluminum sliding glass door using a low sill threshold, glazed with 7/16" laminated glass, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL–5941, dated 05/20/09, signed and sealed by Julio E. Gonzalez, P. E. *(Submitted under previous NOA No. 09–1028.10)*

2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202–94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
   3) Water Resistance Test, per FBC, TAS 202–94
   4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202–94
   along with marked-up drawings and installation diagram of an aluminum doors of OXXO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Report No.'s FTL–4528, dated 02/14/05, FTL–4315, dated 09/13/04, both signed and sealed by Edmundo J. Largaespada, P. E. *(Submitted under previous NOA No. 05–0419.03)*

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 aluminum doors of XXXO configuration, prepared by Fenestration Testing Laboratory, Inc., Test Report No.'s FTL–4529, dated 02/14/05, FTL–4530, dated 02/14/05, FTL–4311, dated 09/01/04, all signed and sealed by Edmundo J. Largaespada, P. E. *(Submitted under previous NOA No. 05–0419.03)*

4. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
   2) Large Missile Impact Test per FBC, TAS 201–94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203–94
   along with marked-up drawings and installation diagram of an aluminum outswing French door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL–4312, dated 09/13/04, signed and sealed by Edmundo J. Largaespada, P. E. *(Submitted under previous NOA No. 05–0419.03)*

C. CALCULATIONS

2. Glazing complies with ASTM E1300–04/09

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 19-1126.08
Expiration Date: February 24, 2025
Approval Date: January 09, 2020

E – 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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

E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 14–0916.10 issued to Kuraray America, Inc. for their “Kuraray PVB Glass Interlayer” dated 02/19/15, expiring on 12/11/16.
2. Notice of Acceptance No. 14–0423.15 issued to Eastman Chemical Company (MA) for their “Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core” dated 06/19/14, expiring on 12/11/16.
3. Notice of Acceptance No. 14–0423.16 issued to Eastman Chemical Company (MA) for their “Saflex HP Clear or Color Glass Interlayers” dated 06/19/14, expiring on 04/14/18.

F. STATEMENTS
2. Statement letter of no financial interest, issued by manufacturer, dated 11/06/14, signed and sealed by A. Lynn Miller, P. E.
3. Department of State Certification of PGT INDUSTRIES, INC. as a for profit corporation, active and organized under the laws of the State of Florida, dated 01/27/15 and filed by Ken Detzner, Secretary of State.
4. Notification of Successor Engineer for manufacturer’s NOA document per Section 61G15–27.001 of the Florida Administrative Code, notifying original engineer that the successor engineer is assuming full professional and legal responsibility for all engineering documents pertaining to this NOA, dated 10/07/11, signed and sealed by A. Lynn Miller, P. E.
5. Proposal No. 08–1891 issued by Product Control, dtd 01/26/09, signed by Ishaq Chanda, P. E.

G. OTHERS
2. Evidence submitted under previous approvals

A. DRAWINGS
1. Drawing No. 8000–11, titled “Alum. French Door & Side Lites, Impact”, sheets 1 through 12 of 12, dated 12/23/04, with revision “G” dated 04/10/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E.

B. TESTS
1. Reference Test report on 1) Uniform Static Air Pressure Test, per FBC, TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of Aluminum Sliding Glass Doors (w/ PS, Super, Cardinal & Duraseal Spacers), prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) FTL–8717, FTL–8970 and FTL–8968, dated 02/15/16, 06/07/16 and 06/20/16, all signed & sealed by Idalmis Ortega, P.E. (Submitted under previous NOA No. 16–0629.16)

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 19-1126.08
Expiration Date: February 24, 2025
Approval Date: January 09, 2020
PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C.  CALCULATIONS

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

E.  MATERIAL CERTIFICATIONS
1.  Notice of Acceptance No. 16-1117.01 issued to Kuraray America, Inc. for their “Trosifol® Ultra Clear, Clear, and Color PVB Glass Interlayers” dated 01/19/17, expiring on 07/08/19.
2.  Notice of Acceptance No. 17-0712.03 issued to Eastman Chemical Company (MA) for their “Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core” dated 09/07/17, expiring on 12/11/18.
3.  Notice of Acceptance No. 17-0712.04 issued to Eastman Chemical Company (MA) for their “Saflex HP Clear or Color Glass Interlayers” dated 09/07/17, expiring on 04/14/18.

F.  STATEMENTS
2.  Test proposal No. 16-0152 dated 03/09/16 approved by RER.

G.  OTHERS
1.  Notice of Acceptance No. 16-0629.16, issued to PGT Industries for their Series “FD–750” Outswing Aluminum French Door w/Sidelites – L.M.I., expiring on 02/24/20.

3.  Evidence submitted under previous approvals

A.  DRAWINGS
1.  Drawing No. 8000–11, titled “Alum. French Door & Side Lites, Impact”, sheets 1 through 12 of 12, dated 12/23/04, with revision “F” dated 05/05/16, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P. E.

B.  TESTS (Submitted under previous approvals)
1.  None

C.  CALCULATIONS (Submitted under previous NOA No. 14-1117.05)
1.  None.

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

E.  MATERIAL CERTIFICATIONS
1.  None.

F.  STATEMENTS
1.  None.

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 19-1126.08
Expiration Date: February 24, 2025
Approval Date: January 09, 2020

E – 3
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHERS
1. Notice of Acceptance No. 14-1117.05, issued to PGT Industries for their Series “FD–750” Outswing Aluminum French Door w/Sidelites – L.M.I., expiring on 02/24/20.

4. New Evidence submitted

A. DRAWINGS

B. TESTS
1. None.

C. CALCULATIONS (submitted under file #17-0504.04)
1. None.
2. Glazing complies with ASTME-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. 19-0305.02 issued to Kuraray America, Inc. for their “Trosifol® UltraCllear, Clear, and Color PVB Glass Interlayers”, expiring on 07/08/24.
2. Notice of Acceptance No. 18-0301.06 issued to Eastman Chemical Company (MA) for their “Saflex CP – Saflex and Saflex HP Composite Glass Interlayers with PET Core” expiring on 12/11/23.
3. Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Company (MA) for their “Saflex HP Clear or Color Glass Interlayers”, expiring on 05/21/21.

F. STATEMENTS

G. OTHER
1. This NOA renews # 17-0504.04.

Ishaq I. Chanda, P. E.
Product Control Unit Supervisor
NOA No. 19-1126.08
Expiration Date: February 24, 2025
Approval Date: January 09, 2020
SERIES 750 OUTSWING, IMPACT RESISTANT FRENCH DOOR AND SIDE LITE

1. GLAZING OPTIONS:
   A. 7/16" LAMI consisting of (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090" PVB INTERLAYER
   B. 7/16" LAMI consisting of (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090" PVB INTERLAYER
   C. 7/16" LAMI consisting of (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .075" INTERLAYER
   D. 7/16" LAMI consisting of (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .075" INTERLAYER.
   E. 7/8" LAMI I.G., consisting of (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A, .090" PVB, 3/16" HS).
   F. 7/8" LAMI I.G., consisting of (1) LITE OF 3/16" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS, .030" PVB, 3/16" HS).
   G. 7/8" LAMI I.G., consisting of (1) LITE OF 1/4" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" A, .075" INTERLAYER, 3/16" HS).
   H. 7/8" LAMI I.G., consisting of (1) LITE OF 1/4" TEMPERED GLASS OUTSIDE, 1/4" AIR SPACE AND (1) 7/16" LAMI GLASS ASSEMBLY INSIDE (3/16" HS,.075" INTERLAYER, 3/16" HS).

2. DESIGN PRESSURES: TABLE 1, SHEET 3.
   A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E1300.
   B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E1300.
   C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.

3. CONFIGURATIONS: X, O, XX, OX, XXX, OXO, OXO, OXX, XXXX, XXXXX, XXXXX, OXXXX, OR OXXXX WHERE X REPRESENTS EITHER THE NARROW JAMB OR FULL JAMB SIDE LITE. ANY TWO ADJACENT X UNITS CAN BE EITHER TWO SINGLE X DOORS OR A DOUBLE X DOOR BOTH USING EITHER THE STANDARD OR THE LOW-RISE SILL. THE FRENCH DOOR ASSEMBLY BEAM IS USED TO ASSEMBLE X AND O UNITS TO MAKE THE ABOVE CONFIGURATIONS.

4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 10 THRU 12.

5. SHUTTERS ARE NOT REQUIRED.

6. SEALANT: INSTALLATION SCREWS, FRAME AND PANEL CORNERS SEALED WITH CLEAR COLORED SEALANT. VERTICAL ASSEMBLY BEAM SEAM-SEALED ON THE INTERIOR AND EXTERIOR WITH CONTRACTORS SEALANT.


8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

<table>
<thead>
<tr>
<th>Anchor Group</th>
<th>Anchor Type</th>
<th>Frame Member</th>
<th>Substrate</th>
<th>Min. Edge Distance</th>
<th>Min. Embedment or Metal Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>#12 Steel SMS (Gr. 5)</td>
<td>All Southern Pine (SG = 0.55)</td>
<td>9&quot; 1/4</td>
<td>1-3/8</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>1/4&quot; Elio UltraCon®</td>
<td>All Concrete (min. 2.55 ksi)</td>
<td>3/8&quot;</td>
<td>1-3/4</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>1/4&quot; 410 SS Elio CretiFlex®</td>
<td>Jamb Hollow Block (ASTM C900)</td>
<td>2&quot;</td>
<td>1-1/4</td>
<td></td>
</tr>
</tbody>
</table>

1) WHERE SUBSTRATE CONDITIONS REQUIRE ANCHORAGE FROM MORE THAN ONE OF THE ANCHOR GROUPS ABOVE, CHOOSE THE ANCHOR GROUP WITH THE LOWEST LETTER FOR ALL TABLES IN THIS APPROVAL.
2) ALL ANCHOR HEAD TYPES ARE APPLICABLE.
3) Min. OF 3 THREADS BEYOND METAL SUBSTRATE.

GENERAL NOTES

CONFIGURATIONS

GLAZING DETAILS

ELEVATIONS

VERT. SECTIONS

HORIZ. SECTIONS

PARTS LIST

EXTRUSIONS

ANCHORAGE

Material | Min. Fv | Min. Fv
---------|---------|---------
Steel Screw | 92 ksi | 120 ksi
Elio UltraCon® | 155 ksi | 177 ksi
410 SS Elio CretiFlex® | 127.4 ksi | 189.7 ksi
6063-T5 Aluminum | 18 ksi | 22 ksi

*PVB* = .090" TROSIFOL® PVB BY KURARAY AMERICA, INC. OR SAFELEX/KEEPSAFE MAXIMUM PVB BY EASTMAN CHEMICAL CO.; VANCEVA BY EASTMAN CHEMICAL CO.
### Table 1. Maximum Design Pressures (psf)

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Width (in)</th>
<th>Allowed Glass Types</th>
<th>Height (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>79 3/4&quot; (6&quot;)</td>
<td>83 3/4&quot; (7&quot;)</td>
</tr>
<tr>
<td>French Door</td>
<td>37&quot; (3&quot;)</td>
<td>A, E</td>
<td>+70.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C, G</td>
<td>-80.0</td>
</tr>
<tr>
<td></td>
<td>71 3/4&quot; (6&quot;)</td>
<td>A, E</td>
<td>+70.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C, G</td>
<td>-80.0</td>
</tr>
<tr>
<td>Full Jamb</td>
<td>36 11/16&quot;</td>
<td>A, E</td>
<td>+70.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C, G</td>
<td>-80.0</td>
</tr>
<tr>
<td></td>
<td>30 11/16&quot;</td>
<td>C, G</td>
<td>+100.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-100.0</td>
</tr>
<tr>
<td></td>
<td>33 11/16&quot;</td>
<td>C, G</td>
<td>+100.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-100.0</td>
</tr>
<tr>
<td>Narrow Jamb</td>
<td>36 11/16&quot;</td>
<td>A, B, E, F</td>
<td>+70.0</td>
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<tr>
<td></td>
<td></td>
<td>C, G</td>
<td>-80.0</td>
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<td></td>
<td></td>
<td></td>
<td>+99.9</td>
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<td>+95.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-97.4</td>
</tr>
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### Table 1a. Glass Type and Test Report Number

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Test Report Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>A - 7/16&quot; LAMI (3/16&quot;A, 0.90 PVB, 3/16&quot;HS)</td>
<td>FTL-4311, 4312, 4315</td>
</tr>
<tr>
<td>B - 7/16&quot; LAMI (3/16&quot;HS, 0.90 PVB, 3/16&quot;HS)</td>
<td>UPGRADE FTL-4311, 4312, 4315</td>
</tr>
<tr>
<td>C - 7/16&quot; LAMI (3/16&quot;A, 0.75 VANCEVA, 3/16&quot;HS)</td>
<td>FTL-4527, 4528, 4529, 4530</td>
</tr>
<tr>
<td>D - 7/16&quot; LAMI (3/16&quot;HS, 0.75 VANCEVA, 3/16&quot;HS)</td>
<td>UPGRADE FTL-4527, 4528, 4529, 4530</td>
</tr>
<tr>
<td>E - 7/8&quot; LAMI I.G. (3/16&quot;T, 1/4&quot; AIR SPACE, 3/16&quot;A, 0.90 PVB, 3/16&quot;HS)</td>
<td>FTL-4311, 4312, 4315</td>
</tr>
<tr>
<td>F - 7/8&quot; LAMI I.G. (3/16&quot;T, 1/4&quot; AIR SPACE, 3/16&quot;HS, 0.90 PVB, 3/16&quot;HS)</td>
<td>UPGRADE FTL-4311, 4312, 4315</td>
</tr>
<tr>
<td>G - 7/8&quot; LAMI I.G. (3/16&quot;T, 1/4&quot; AIR SPACE, 3/16&quot;A, 0.75 VANCEVA, 3/16&quot;HS)</td>
<td>FTL-4527, 4528, 4529, 4530</td>
</tr>
<tr>
<td>H - 7/8&quot; LAMI I.G. (3/16&quot;T, 1/4&quot; AIR SPACE, 3/16&quot;HS, 0.75 VANCEVA, 3/16&quot;HS)</td>
<td>UPGRADE FTL-4527, 4528, 4529, 4530</td>
</tr>
</tbody>
</table>
NOTES:
1. CONFIGURATIONS WITH SIDE LITES CAN BE EITHER NARROW JAMB OR FULL JAMB VERSION.
2. FOR ANCHOR SPACING AND DETAILS SEE SHEETS 10 THROUGH 12.
3. FOR VERTICAL SECTIONS SEE SHEET 5 AND FOR HORIZONTAL SECTIONS SEE SHEET 6.

EXAMPLE ELEVATIONS

OX OR XO
110 5/8" MAX. WIDTH
95 3/4" MAX. HEIGHT
ALL

OXO
37" MAX. WIDTH
71 3/4" MAX. WIDTH
25" MAX. DLO ALL X UNITS

OXOXO (SHOWING EACH VERSION SIDELITE)
36 11/16" MAX. WIDTH
25" MAX. DLO

O (FULL JAMB)
36 11/16" MAX. WIDTH
33 3/16" MAX. DLO

O (NARROW JAMB)
79 1/8" MAX. DLO
ALL

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 12-11-26-09
Expiration Date 12-12-2023
By
Miami Dade Product Control

NO CHANGES THIS SHEET.

CERT. OF AUTH. #029266

A. LYNN MILLER, P.E.
FL P.E. # 58705

4/8/05
ANCHORAGE SPACING REQUIREMENTS:

1. DETAILS A AND B ABOVE REPRESENT ANCHORING OF SINGLE X DOORS, OR INDIVIDUAL SIDE LITE PANELS WITH FULL OR NARROW WIDTH JAMBS. DETAILS C AND D ABOVE REPRESENT ANCHORING OF ANY MIXTURE OF DOUBLE XX DOORS, SINGLE X DOORS, NARROW JAMB OR FULL JAMB SIDE LITE PANELS, FOR MULTIPLE-PANEL INSTALLATIONS OF TWO OR MORE PANELS. UNLESS OTHERWISE STATED, DIMENSIONS OF DETAILS A THROUGH D ARE MAXIMUMS.

2. ANCHOR TYPES: ANCHOR TYPES: SEE TABLE A, SHEET 1 FOR ANCHOR TYPES, SUBSTRATES AND IMITATIONS.

3. SINGLE PANEL CONFIGURATIONS: (DETAIL A, CONCRETE SUBSTRATE; DETAIL B, WOOD/ALUM. SUBSTRATE)

HEAD AND SILL: 6" MAX. FROM FRAME CORNERS.
JAMBS: 11" MAX. FROM FRAME CORNERS, 18.500" MAX. O.C. CONCRETE SUBSTRATE (DETAIL A) AND 10.571" MAX. O.C. WOOD SUBSTRATE (DETAIL B).

4. TWO OR MORE PANEL CONFIGURATIONS: (DETAIL C, CONCRETE SUBSTRATE)

HEAD AND SILL: 6" MAX. FROM FRAME CORNERS IF PANEL WIDTH IS 15" OR GREATER AND AT 3", 6" AND 9" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS (CLUSTER OF 6).
JAMBS: 11" MAX. FROM FRAME CORNERS AND 18.500" MAX. O.C.

5. TWO OR MORE PANEL CONFIGURATIONS: (DETAIL D, WOOD/ALUM. SUBSTRATE)

HEAD AND SILL: 6" MAX. FROM FRAME CORNERS AND AT 3", 6", 9" AND 12" MAX. ON EACH SIDE OF ASSEMBLY BEAM AND/OR ASTRAGAL LOCATIONS (CLUSTER OF 8). CIRCLED ANCHOR OUTSIDE CLUSTER REQUIRED IF PANEL WIDTH IS OVER 27-3/4".
JAMBS: 11" MAX. FROM FRAME CORNERS AND 10.571" MAX. O.C.
1. WOOD BUCKS DEPICTED ARE 1/2" LESS THAN 1-1/2" THICK. 1x WOOD BUCKS ARE OPTIONAL IF UN T IS INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1-1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

2. FOR ATTACHMENT TO ALUM: THE MATL. SHALL BE A MIN. STRENGTH OF 6063-T5 AND A MIN. OF 1/8" THICK. THE ALUM, STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE DOOR FRAME SIMILAR TO THAT SHOWN IN THE DETAILS ON THIS SHEET FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SMS WITH FULL ENGAGEMENT INTO THE ALUM. IF THESE CRITERIA ARE MET, THE PRESSURES SHOWN ON SHEET 2 AND ANCHORAGE SPACING FOR WOOD SHOWN ON SHEET 10 MAY BE USED.

3. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN. (DONE BY OTHERS) MUST FULL SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR LOAD TO SUBSTRATE.