NOTICE OF ACCEPTANCE (NOA)

PGT Industries, Inc.
1070 Technology Drive
North Venice, 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, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.


APPROVAL DOCUMENT: Drawing No. 11005–1 Rev G, titled "Alum. French Door & Sidelites, Impact", sheets 1 through 15 of 15, dated 04/04/2012 and last revised on 09/17/17, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, 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. Use of Tables 1 or 2 (sheet 2) requires full length reinforcements (item #22) for OX, XO, XXO, OXX, OXO and OXXO configurations. The lower design pressure from table 1 or table 2 shall control.
2. Standalone X, XX and O configuration unit do not required, reinforcement (item #22).
3. Applicable Egress operable doors must comply with min clear width & height per FBC, to be reviewed by AHJ.
4. 1x or 2x buck to be properly secured to sustain imposed load and to be reviewed by AHJ.

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 #16-0629.17 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
   1. Manufacturer's die drawings and sections (Submitted under files # listed below)
   2. Drawing No. 11005-1 Rev F, titled "Alum. French Door & Sidelites, Impact", sheets 1 through 10 of
      10, dated 04/04/2012 and last revised on 09/08/16, prepared by PGT Industries, signed and sealed by
      Anthony Lynn Miller, P.E.

B. TESTS
   1. 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/ TPS,
      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 file #16-0629.17)
   2. 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 fixed sidelite (O) w/ insulated laminated
      glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No(s) FTL-6864, dated
      04/02/12, signed and sealed by Marlin D. Brinson, P. E. (Submitted under files #12-0516.02/#11-
      1013.22)
   3. Test report 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 Aluminum outswing doors w/sidelites,
      prepared by Fenestration Testing Laboratory, Inc., Test Reports No FTL-5212, dated 05/05/2007,
      signed and sealed by Carlos S. Rionda, P. E. (Submitted under files # 12-516.02/#11-1013.22)

C. CALCULATIONS (Submitted under file #15-0528.24)
   1. Anchor verification calculations and structural analysis dated 05/22/15, complying with FBC-214
      (5th Edition), prepared by PGT, signed and sealed by Lynn Miller, P.E.
   2. Glazing complies w/ ASTME-1300-02, 04 & -09.

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

                           [Signature]
                           Ishaq I. Chanda, P.E.
                           Product Control Examiner
                           NOA No. 17-0504.01
                           Expiration Date: October 18, 2022
                           Approval Date: September 28, 2017

E - 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS
2. Notice of Acceptance No. 12-1231.10 issued to Eastman Chemical Company (MA) former Solutia Inc. for their “Saflex Clear or colored interlayer”, expiring on 05/21/16.

F. STATEMENTS (Submitted under file #15-0528.24)
1. Statement letter of conformance to FBC 2014(5th edition) and letter of no financial interest, prepared by PGT, dated 05/22/15, signed and sealed by Lynn Miller, P.E.
2. Lab compliance as part of the above referenced test report.

G. OTHER
1. This NOA revises NOA #15-0528.24, expiring 10/18/17.
2. Test proposal # 16-0152 dated 03/09/16 approved by RER
3. Test proposals dated Jan 18, 2017 and 02/15/12 approved by Jaime D. Gascon, P.E.

2. New Evidence submitted

A. DRAWINGS
1. Drawing No. 11005–1 Rev G, titled “Alum. French Door & Sidelites, Impact”, sheets 1 through 15 of 15, dated 04/04/2012 and last revised on 09/17/17, prepared by PGT Industries, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS
1. None.

2. Glazing complies w/ ASTME-1300-02, 04 & -09.

D. 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. (former E.I. DuPont DeNemours & Co., Inc.) for “Trosifol: Ultra clear, clear & color PVB glass interlayer” (former “Kuraray Butacite PVB Interlayer”), expiring on 07/08/19.
2. Notice of Acceptance No. 15-1201.11 issued to Eastman Chemical Company (MA) former Solutia Inc. for their “Saflex Clear or colored interlayer”, expiring on 05/21/21.

F. STATEMENTS
1. Statement letter of conformance to FBC 2014(5th edition), FBC 2017(6th edition) and letter of no financial interest, prepared by PGT, dated 08/01/17, signed and sealed by Lynn Miller, P.E.

G. OTHER
1. This NOA revises & renews NOA #16-0629.17, expiring 10/18/22.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0504.01
Expiration Date: October 18, 2022
Approval Date: September 28, 2017

E - 1
### SERIES 101 OUTSWING, IMPACT RESISTANT
#### FRENCH DOOR AND SIDE LITE

1. GLAZING OPTIONS: SEE BELOW.
2. DESIGN PRESSURES: (SEE TABLES 1-4 ON SHEET 2)
   - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300.
   - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300.
   - C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD.
3. CONFIGURATIONS: X, O, XX, XO, XOX, OXX, OXO, AND OXXO.
4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 8-11. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FBC, CURRENT EDITION.
5. SHUTTERS ARE NOT REQUIRED.
6. SEALANTS: INSTALLATION SCREWS, FRAME AND PANEL CORNERS SEALED WITH CLEAR COLORED SEALANT.
7. REFERENCES: TEST REPORT FTI-4904, 5212 & 6864, ELCO ULTRACON & CRETEFLEX NOA'S
8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
9. DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY AUTHORITY HAVING JURISDICTION (AHJ).

**INSTRUCTIONS:**
1. DETERMINE THE DESIGN PRESSURE, DP REQUIREMENT (LBS/FT²) FOR THE OPENING USING THE ASCE-7 STANDARD.
2. ON SHEET 2, TABLES 1 & 2 REFER TO PRODUCTS THAT ARE REINFORCED. TABLES 3 & 4 REFER TO PRODUCTS THAT ARE UNREINFORCED. DETERMINE THE DESIGN PRESSURE OF YOUR PRODUCT USING THE APPROPRIATE SET OF TABLES. EXAMPLES ARE GIVEN ON SHEET 2. THIS DESIGN PRESSURE NEEDS TO BE HIGHER THAN THE OPENING'S REQUIRED DESIGN PRESSURE FROM STEP 1.
3. DETERMINE YOUR ANCHOR GROUP FROM TABLE A, THIS SHEET AND YOUR GLASS TYPES. (A - D), FROM THE GLAZING DETAILS ON THIS SHEET.
4. FROM SHEETS 7-13, FIND THE SHEET THAT PERTAINS TO YOUR PRODUCT AND DETERMINE THE ANCHOR QUANTITIES REQUIRED.
5. ANCHORS ARE TO BE INSTALLED USING THE LOCATION GUIDELINES GIVEN IN THE NOTES ON SHEETS 7-13. SHEET 14 & 15 SHOW INSTALLATION CROSS-SECTIONAL DETAILS.

### TABLE A

<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 of Metal Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1/4&quot; Elico UltraCote F₁ = 165 ksi, F₂ = 177 ksi</td>
<td>Jamb</td>
<td>Hollow Block (ASTM C90)</td>
<td>1-3/4&quot;</td>
<td>1-3/4&quot;</td>
</tr>
<tr>
<td>2</td>
<td>1/4&quot; 410 SS Elico CreteFast® F₁ = 244 ksi, F₂ = 169.7 ksi</td>
<td>Jamb</td>
<td>Hollow Block (ASTM C90)</td>
<td>1-3/4&quot;</td>
<td>1-3/4&quot;</td>
</tr>
<tr>
<td>3</td>
<td>#12 Steel BMS (Gr. 5) F₁ = 60 ksi, F₂ = 50 ksi</td>
<td>All</td>
<td>6065-75 Aluminum</td>
<td>1-3/4&quot;</td>
<td>1-3/4&quot;</td>
</tr>
</tbody>
</table>

1. ALL ANCHOR HEAD TYPES ARE APPLICABLE.
2. MIN. OF 3 THREADS BEYOND METAL SUBSTRATE.
3. METAL SUBSTRATE TO MEET MIN. STRENGTH AND THICKNESS REQUIREMENTS PER CURRENT FLORIDA BUILDING CODE AND TO BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

### CODES / STANDARDS USED:
- *2017 FLORIDA BUILDING CODE (FBC), 6TH EDITION*
- *2014 FLORIDA BUILDING CODE (FBC), 5TH EDITION*
- *ASTM E1000-09*
- *ANSI/ASPA NO. 25-2015 FOR WOOD CONSTRUCTION*
- *ALUMINUM DESIGN MANUAL, ADM-2015*
- *ASNI S-400-12*
- *ASC 365-10*

### GENERAL NOTES:
1. GLAZING DETAILS...
2. DESIGN PRESSURES...
3. VERT. SECTIONS...
4. HORIZ. SECTIONS...
5. PARTS LIST...
6. EXTRUSIONS...
7. ANCHOR QUANTITY...
8. INSTALLATION...

### PVB1 = 090° TROSIFOL® PVB BY KURRAY AMERICA, INC.
PVB2 = 090° SAFLLEX/KEEPSAFE MAXIMUM PVB BY EASTMAN CHEMICAL CO.
### Table 1
**Design Pressures for Reinforced Doors, All Glass Types**

<table>
<thead>
<tr>
<th>X Frame Width</th>
<th>XX Frame Width</th>
<th>Frame Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>3' 3/4&quot; 37 1/2&quot;</td>
<td>6' 6&quot; 79 3/4&quot;</td>
<td>8' 25 1/2&quot;</td>
</tr>
<tr>
<td>6' 6&quot; 79 3/4&quot;</td>
<td>7' 0&quot; 83 3/4&quot;</td>
<td>8' 25 1/2&quot;</td>
</tr>
</tbody>
</table>

### Table 2
**Design Pressures for Reinforced Side Lites**

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Frame Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>27 3/4&quot;</td>
<td>10 3/4&quot;</td>
</tr>
<tr>
<td>30 1/8&quot;</td>
<td>10 3/4&quot;</td>
</tr>
<tr>
<td>36 21/32&quot;</td>
<td>10 3/4&quot;</td>
</tr>
</tbody>
</table>

### Table 3
**Design Pressures for Unreinforced Doors, All Glass Types**

<table>
<thead>
<tr>
<th>X Frame Width</th>
<th>XX Frame Width</th>
<th>Frame Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>2' 6&quot; 15 1/2&quot;</td>
<td>6' 0&quot; 79 3/4&quot;</td>
<td>8' 25 1/2&quot;</td>
</tr>
<tr>
<td>2' 9&quot; 21 1/2&quot;</td>
<td>6' 0&quot; 79 3/4&quot;</td>
<td>8' 25 1/2&quot;</td>
</tr>
</tbody>
</table>

### Table 4
**Design Pressures for Unreinforced Side Lites**

<table>
<thead>
<tr>
<th>Glass Type</th>
<th>Frame Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 21/32&quot;</td>
<td>10 3/4&quot;</td>
</tr>
</tbody>
</table>

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**Notes for All Configurations:**

1. For configurations which contain a side lite to door connection, (XO, OXO, OXX, OXO, OXO), the lowest design pressure shall prevail.

2. Full length reinforcement (item 22 shown in section E-E, sheet 4), is required at door to side lite connections, when using tables 1 & 2.

3. Door and side lite combinations from tables 3 and 4 do not require reinforcement item 22.

4. Design pressures under 40 PSF are not applicable in Miami-Dade County.

5. For door-only configurations (X, XX), only table 1 is applicable. Reinforcement, part #22, is not required.

6. For single, stand-alone side lites (O), only table 2 is applicable. Reinforcement, part #22, is not required.

7. Configurations where the door lockstile abuts a side lite are not available with reinforcement.

8. For sizes not shown, round up to the next available size. (E.g., for 32" x 60" door width in table 3, use 33-1/2")

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**Glass Types (All Tables, This Sheet):**

- A: 3/8" LAMI (1/8" A, .090 PVB, 3/16" HS)
- B: 3/8" LAMI (1/8" HS, .090 PVB, 3/16" HS)
- C: 7/16" LAMI (3/16" A, .090 PVB, 3/16" HS)
- D: 7/16" LAMI (3/16" HS, .090 PVB, 3/16" HS)
- E: 13/16" LAMI IG (3/16" TP, 1/4" AIRSPACE, 1/8" HS, .090 PVB, 3/16" HS)
NOTES:
1) CLEAR OPENING FOR 'X' AND 'XX' DOORS AS FOLLOWS:
   \- 'X' DOORS = DOOR FRAME WIDTH - 0.664
   \- 'XX' DOOR = DOOR FRAME WIDTH / 2 - 0.667
   HEIGHT:
   DOOR FRAME HEIGHT - 3.259"
2) SIDE LITES OVERLAP 'X' AND 'XX' DOORS BY 3/4" WHEN ASSEMBLED TO MAKE 'XO', 'DX', 'OXO', 'XXO', 'DXX' AND 'DXXO' CONFIGURATIONS.
3) FULL LENGTH REINFORCEMENT APPLICABLE TO DOOR AND SIDE LITE COMBINATIONS FROM TABLES 1 AND 2, SHEET 2. ITEM 22 IS NOT REQUIRED WITH COMBINATIONS FROM TABLES 2 AND 4, SHEET 2, OR WITH STAND-ALONE 'O', 'X' & 'XX' CONFIGURATIONS FROM TABLES 1 AND 2.

SPACING, SAME AS JAMB ANCHOR SPACING
(SEE SHEETS 7, 8 AND 9)

SEE NOTE 3, THIS SHEET
TABLE 6:

**X DOORS, ALL GLASS TYPES**

<table>
<thead>
<tr>
<th>ANCHOR TYPE &amp; SUBSTRATE</th>
<th>LOAD ZONES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MAX. JAMB 'x'</td>
</tr>
<tr>
<td>2.3, WOOD</td>
<td>2.4, 2.4, 2.4</td>
</tr>
<tr>
<td>3. ALUM</td>
<td>2.4, 2.4, 2.4</td>
</tr>
<tr>
<td>1.2, CONC</td>
<td>2.4, 2.4, 2.4</td>
</tr>
</tbody>
</table>

**NOTES:**

1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.

2) DOORS MAY BE LEFT OR RIGHT-HANDED.

3) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4' MIN. O.C. FOR CONCRETE, 4' MIN. O.C. FOR CMU):

- JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C.
- HEAD & SILL OF DOORS: 8" MAX. FROM CORNERS, 9" MAX. FROM ASTRAGAL CENTERS AND 20-7/8" MAX. O.C.

4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

5) FOR ANCHORAGE INSTALLATION DETAILS SEE SHEET 14.
NOTES:

1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.

2) DOORS MAY BE LEFT OR RIGHT-HANDED.

3) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4' MIN. O.C. FOR CONCRETE, 4' MIN. O.C. FOR CMU).

7/16" JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C. HEAD & SILL OF DOORS; 8" MAX. FROM CORNERS, 9" MAX. FROM ASTRAGAL CENTERS AND 20-3/8" MAX. O.C.

4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.

5) FOR ANCHORAGE DETAILS SEE SHEET 14.

EXAMPLE:

XX WITH GLASS TYPE A,
13-1/4" WIDE X 91-3/4" HIGH DOUBLE DOOR,
ANCHOR TYPE 3 INTO WOOD,
DESIGN PRESSURE = 75 / .75 PSF,
SEE EXAMPLE 6, SHEET 2 FOR DP EXAMPLE

DOOR ANCHOR REQUIREMENTS FROM TABLE 6:
5 ANCHORS @ EACH JAM,
5 ANCHORS EACH DOOR PANEL @ HEAD
5 ANCHORS EACH DOOR PANEL @ SILL

SEE CIRCLED VALUES ON TABLE 6.
× = DENOTES ANCHOR LOCATION.
### Table 7: O Side Lite, ALL Glass Types

<table>
<thead>
<tr>
<th>Anchor Type &amp; Substrate</th>
<th>Load Zones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Side Lite Width</td>
<td>Max Frame Height</td>
</tr>
<tr>
<td>10.75</td>
<td>79.75</td>
</tr>
<tr>
<td></td>
<td>83.75</td>
</tr>
<tr>
<td></td>
<td>87.75</td>
</tr>
<tr>
<td>12.75</td>
<td>79.75</td>
</tr>
<tr>
<td></td>
<td>83.75</td>
</tr>
<tr>
<td></td>
<td>87.75</td>
</tr>
<tr>
<td>19.00</td>
<td>79.75</td>
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<td></td>
<td>83.75</td>
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<td>87.75</td>
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<td>21.75</td>
<td>79.75</td>
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<td></td>
<td>83.75</td>
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<td></td>
<td>87.75</td>
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<td>27.75</td>
<td>79.75</td>
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<td>83.75</td>
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<td>87.75</td>
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<td>79.75</td>
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<td></td>
<td>83.75</td>
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<td>87.75</td>
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<tr>
<td>36.75</td>
<td>79.75</td>
</tr>
<tr>
<td></td>
<td>83.75</td>
</tr>
<tr>
<td></td>
<td>87.75</td>
</tr>
</tbody>
</table>

**Notes:**

1. See Sheet 1 for glass and anchor type descriptions.
2. Anchor quantities are based on spacing as follows (4" Min. O.C. for concrete, 4" Min. O.C. for CMU):
   JAMBS (ALL) 13-1/4" MAX, FROM CORNERS AND 23-1/8" MAX. O.C.
   HEAD & SILL OF SIDE LITES: 6" MAX. FROM CORNERS AND 24-3/4" MAX. O.C.
3. For sizes not shown, round up to the next available size.
4. For anchorage installation details see sheet 15.
TABLE B

<table>
<thead>
<tr>
<th>LOAD ZONES</th>
<th>2.3, WOOD</th>
<th>3 ALUM</th>
<th>1.2, CONC</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX FRAME WIDTH</td>
<td>MAX SIDE LITE FRAME WIDTH</td>
<td>MAX X FRAME HEIGHT</td>
<td>0.0, JAMB &quot;B&quot;</td>
</tr>
<tr>
<td>20-7/8&quot; MAX O.C.</td>
<td>6&quot; MAX.</td>
<td>9&quot; MAX.</td>
<td>95-3/4&quot; MAX. FRAME HEIGHT</td>
</tr>
<tr>
<td>23-1/8&quot; MAX. O.C.</td>
<td>73-1/2&quot; DOOR + SIDE LITE FRAME WIDTH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-3/4&quot; MAX. D.L.D.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SEE TABLES 1-4, SHEET 2 FOR REINFORCEMENT REQUIREMENTS.

NOTES:
1) SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.
2) DOORS MAY BE LEFT OR RIGHT-HANDED.
3) ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS (4" MIN. O.C. FOR CONCRETE, 4" MIN. O.C. FOR CMI):
   - JAMBS (ALL): 13-1/4" MAX. FROM CORNERS AND 23-1/8" MAX. O.C.
   - HEAD & SILL OF DOORS: 6" MAX. FROM CORNERS, 8" MAX. FROM ASTRAGAL CENTERS AND 20-7/8" MAX. O.C.
   - HEAD & SILL OF SIDE LITES: 6" MAX. FROM CORNERS AND 24-3/8" MAX. O.C.
4) FOR SIZES NOT SHOWN, Round up TO THE NEXT AVAILABLE SIZE.
5) FOR ANCHORAGE INSTALLATION DETAILS SEE SHEETS 14 & 15.
6) CONFIGURATIONS WHERE THE DOOR LOCKSTITCH ABBUTS A SIDE LITE ARE NOT AVAILABLE WITH REINFORCEMENT.
7) SIDE LITE OVERLAPS DOOR BY 3/4" ONCE ASSEMBLED.

EXAMPLE:
XO WITH GLASS TYPE B, 36" X 84" SINGLE DOOR WITH 36" X 84" WIDE SIDE LITE, ANCHOR TYPE B INTO CONC, DOOR DESIGN PRESSURE = +75.1 - 75.5 PSF

ANCHOR REQUIREMENTS FROM TABLE B:
- 4 ANCHORS @ DOOR JAMB
- 3 ANCHORS @ DOOR PANEL @ HEAD
- 3 ANCHORS @ DOOR PANEL @ SILL
- 3 ANCHORS @ SIDE LITE JAMB
- 3 ANCHORS @ SIDE LITE @ HEAD
- 3 ANCHORS @ SIDE LITE @ SILL

SEE CIRCLED VALUES ON TABLE B.

X = DENOTES ANCHOR LOCATION.

ANCHOR QUANTITIES FOR THE DOOR AND SIDE LITE TO BE DETERMINED INDEPENDENTLY.
## OxO, All Glass Types

### Anchor Type & Substrate

<table>
<thead>
<tr>
<th>Max X Frame Height</th>
<th>Max X Door Frame Width</th>
<th>Load Zones</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.75</td>
<td>25.50</td>
<td>O, JAMB, E</td>
</tr>
<tr>
<td>12.75</td>
<td>27.50</td>
<td>O, HEAD, E</td>
</tr>
<tr>
<td>19.00</td>
<td>29.50</td>
<td>O, HEAD, E</td>
</tr>
<tr>
<td>21.75</td>
<td>31.50</td>
<td>O, JAMB, E</td>
</tr>
<tr>
<td>27.75</td>
<td>33.50</td>
<td>O, JAMB, E</td>
</tr>
<tr>
<td>36.13</td>
<td>35.50</td>
<td>O, JAMB, E</td>
</tr>
<tr>
<td>36.75</td>
<td>37.50</td>
<td>O, JAMB, E</td>
</tr>
</tbody>
</table>

### Design Pressure

- Reinforced: N/A
- Unreinforced: See Sheet 2, 3 & 4

### Notes:

1. See sheet 1 for glass and anchor type descriptions.
2. Doors may be left or right-hand.
3. Anchor quantities are based on spacing as follows (4" min. O.C. for concrete, 4" min. O.C. for CMU):
   - JAMBS (All): 13-1/4" max. from corners and 23-1/8" max. O.C.
   - Head & Sill of Doors: 8" max. from corners and 23-1/8" max. O.C.
   - Head & Sill of Side Lites: 8" max. from corners and 23-3/4" max. O.C.
4. For sizes not shown, round up to the next available size.
5. For anchorage installation details see sheets 14 & 15.
6. Configurations where the door lockstitch abuts a side lite are not available with reinforcement.
7. Side lite overlaps door by 3/4" once assembled.
### Table 10: XXO & OXX, All Glass Types

<table>
<thead>
<tr>
<th>Anchor Type &amp; Substrate</th>
<th>2, 3 Wood</th>
<th>1, 2 Conc</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAX. SIDE LITE FRAME WIDTH</strong></td>
<td><strong>MAX. XX DOOR FRAME WIDTH</strong></td>
<td><strong>MAX. FRAME HEIGHT</strong></td>
</tr>
<tr>
<td>10.75</td>
<td>47.75</td>
<td>O-JAMB 3&quot;</td>
</tr>
<tr>
<td>12.75</td>
<td>51.75</td>
<td>O-JAMB 3&quot;</td>
</tr>
<tr>
<td>19.00</td>
<td>55.75</td>
<td>O-JAMB 3&quot;</td>
</tr>
<tr>
<td>21.75</td>
<td>59.75</td>
<td>O-JAMB 3&quot;</td>
</tr>
<tr>
<td>27.75</td>
<td>63.75</td>
<td>O-JAMB 3&quot;</td>
</tr>
<tr>
<td>36.13</td>
<td>67.75</td>
<td>O-JAMB 3&quot;</td>
</tr>
<tr>
<td>36.75</td>
<td>71.75</td>
<td>O-JAMB 3&quot;</td>
</tr>
</tbody>
</table>

**Notes:**
1. See Sheet 1 for glass and anchor type descriptions.
2. Doors may be left or right-handed.
3. Anchor quantities are based on spacing as follows: 4" min. O.C. for concrete, 4" min. O.C. for cmu.
4. Jamb (all): 13-1/4" max. from corners and 22-1/2" max. O.C.
5. Head & sill of doors: 6" max. from corners, 9" max. from astragal centers and 10-7/8" max. O.C.
6. Head & sill of side lites: 6" max. from corners and 24-3/4" max. O.C.
7. For anchor installation details see sheets 14 & 15.
8. Configurations where the door lockstiles abut a side lite are not available with reinforcement.
9. Side lite overlaps door by 1/4" once assembled.

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### Design Pressure

**Reinforced:** See Sheet 2, Tables 1 & 2
**Unreinforced:** See Sheet 2, Tables 3 & 4

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### Notes:

**Typ. Elevation of XXO Configuration (OXX Similar)**

- 71-3/4" max. door frame width
- 107-3/4" max. door + side lite frame width

---

### Load Zones for XXO Configuration (OXX Similar)

- Zone "A" to Zone "E"
- Sill zone "D" to Sill zone "E"
<table>
<thead>
<tr>
<th>MAX. SIDE LITE FRAME WIDTH</th>
<th>MAX. 3/4&quot; DOOR FRAME WIDTH</th>
<th>MAX FRAME HEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.75</td>
<td>47.75</td>
<td>23-1/8&quot; MAX. O.C.</td>
</tr>
<tr>
<td>12.75</td>
<td>51.75</td>
<td>23-1/8&quot; MAX. O.C.</td>
</tr>
<tr>
<td>19.00</td>
<td>56.75</td>
<td>23-1/8&quot; MAX. O.C.</td>
</tr>
<tr>
<td>21.75</td>
<td>59.75</td>
<td>36-1/2&quot; MAX. SIDE LITE FRAME WIDTH</td>
</tr>
<tr>
<td>27.75</td>
<td>63.75</td>
<td>71-1/4&quot; MAX. DOOR + SIDE LITE FRAME WIDTH</td>
</tr>
<tr>
<td>36.13</td>
<td>67.75</td>
<td>143-3/4&quot; MAX. DOOR + SIDE LITE FRAME WIDTH</td>
</tr>
<tr>
<td>36.75</td>
<td>71.75</td>
<td>143-3/4&quot; MAX. DOOR + SIDE LITE FRAME WIDTH</td>
</tr>
</tbody>
</table>

**NOTES:**

1. SEE SHEET 1 FOR GLASS AND ANCHOR TYPE DESCRIPTIONS.
2. DOORS MAY BE LEFT OR RIGHT-HANDED.
3. ANCHOR QUANTITIES ARE BASED ON SPACING AS FOLLOWS: 8" MIN. O.C. FOR CONCRETE, 4" MIN. O.C. FOR CMU.
5. FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE SIZE.
6. FOR ANCHORAGE INSTALLATION DETAILS SEE SHEETS 14 & 15.
7. CONFINEMENTS WHERE THE DOOR LOCKSTICK ABUTS A SIDE LITE ARE NOT AVAILABLE WITH REINFORCEMENT.

**EXAMPLE:**

OXXO WITH GLASS TYPE B
71-3/4" WIDE X 95-3/4" HIGH DOUBLE DOOR WITH (2) 36-1/2" X 95-3/4" SIDE LITES, ANCHOR TYPE 2 INTO CONCRETE.

**DESIGN PRESSURE = 34.7 - 34 PSI.
SEE EXAMPLE 4. SHEET 2 FOR DP EXAMPLE.

DOOR ANCHOR REQUIREMENTS FROM TABLE 11:
4 ANCHORS @ EACH SIDE LITE JAMB
5 ANCHORS EACH DOOR PANEL @ HEAD
5 ANCHORS EACH DOOR PANEL @ SILL
3 ANCHORS EACH SIDE LITE @ HEAD
3 ANCHORS EACH SIDE LITE @ SILL

SEE CIRCLED VALUES ON TABLE 11.

X = DENOTES ANCHOR LOCATION.
1. Wood bucks depicted as 1x are less than 1 1/2" thick. 1x wood bucks are optional if unit is installed directly to solid concrete or CMU. 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. If sill is tight to substrate, grout or other material is not required. If used, non-shrink, non-metallic grout (3350 PSI min.). (Done by others) must fully support the entire length of the sill that is not tight to the substrate, and transfer shear load to substrate. If substrate is wood, 30# felt paper or mastic is required between the grout and wood substrate, or as approved by the AHJ.

1. Wood bucks depicted as 1x are less than 1 1/2" thick. 1x wood bucks are optional is unit is installed directly to solid concrete or CMU. 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. If sill is tight to substrate, grout or other material is not required. If used, non-shrink, non-metallic grout (3350 psi min.), (done by others) must fully support the entire length of the sill that is not tight to the substrate, and transfer shear load to substrate. If substrate is wood, 30# felt paper or mastic is required between the grout and wood substrate, or as approved by the authority having jurisdiction.

3. TYP. Anchor type, embedment & edge distance per substrate, see table A, sheet 1.