WinDoor, Incorporated  
7500 Amsterdam drive  
Orlando, Florida, 32832

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. 08-00878, titled “8100 Series SM: Reinforced & Non-reinforced”, sheets 1 through 27 of 27, including sheets 5A, 6A, 7A, 14A, 18A, 20A, 21A, 22A, prepared by manufacturer, dated 12/03/09 with Revision D dated 11/30/17, signed and sealed by Luis R. Lomas, 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: Small Missile Impact Resistant

LIMITATION:
1. 3-1/2" sill riser item # 36(sheets 1 thru 7A) is limited to positive (exterior) Dp = +100 PSF, item #37 (4-1/2") sill riser to be used above +100 psf.

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 revises NOA # 15-0723.10 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.
The submitted documentation was reviewed by Sifang Zhao, P. E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA’s
   A. DRAWINGS
      1. Manufacturer’s die drawings and sections. (Submitted under NOA No. 10-0209.13)
      2. Drawing No. 08-00878, titled “8100 Series SMI: Reinforced & Non-reinforced”, sheets 1 through 27 of 27, including sheets 5A, 6A, 7A, 14A, 18A, 20A, 21A, 22A, prepared by manufacturer, dated 12/03/09 with Revision C dated 06/15/15, signed and sealed by Luis R. Lomas, 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) Small 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 Sliding Glass, prepared by National Certified Testing Laboratories Inc, Test Report No. NCTL-210-3573-3 dated 07/31/09 and revised and reissued on 12/16/10 and NCTL-210-3573-4 dated 07/30/09 and revised and reissued on 12/16/10, both signed & sealed by Gerald J. Ferrara, P.E.
         (Note: This test reports have addendum letters dated 08/03/10 &11/29/10, issued by National Certified Testing Laboratories Inc., signed & sealed by Gerald J. Ferrara, P.E.
         (Submitted under NOA No. 10-0209.13)

   C. CALCULATIONS
      1. Anchor verification calculations complying w/ FBC-2014, dated 07/14/15 and last revised on 03/09/16, prepared, signed and sealed by Luis R. Lomas, P.E.
      2. Glazing complies with ASTM E1300–04

   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. for their “SentryGlas® (Clear and White) Interlayer” dated 06/25/15, expiring on 07/04/18.

   Sifang Zhao, P.E.
   Product Control Examiner
   NOA No. 17-1219.07
   Expiration Date: March 31, 2021
   Approval Date: July 26, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS
2. Statement letter of no financial interest, issued, prepared, signed, sealed and dated 06/08/15 by Luis R. Lomas, P.E.
3. Laboratory compliance statement, as part of above referenced test report.

G. OTHERS
1. Notice of Acceptance No. **12-0130.14**, issued to Continental Glass Systems, Inc. for their Series “8100” Aluminum Sliding Glass Door w/wo Reinforcements-S.M.I., approved on 04/09/12 and expiring on 03/31/16.
2. Test Proposal #08-0955B (consolidated) dated 01/15/09, approved by BCCO. *(Submitted under NOA No. 10-0209.13)*

2. NEW EVIDENCE SUBMITTED
A. DRAWINGS

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. NOA No. **17-0808.02** issued to Kuraray America, Inc. for their “SentryGlas® (Clear and White) Glass Interlayers” dated 12/28/17, expiring on 07/04/23.
2. NOA No. **17-1114.14** issued to Kuraray America, Inc. for their “Trosifol® UltraClear, Clear and Color PVB Glass Interlayers”, expiring on 07/08/19.
3. NOA No. **17-0712.03** issued to Eastman Chemical Company (MA) for “Saflex CP – Saflex and Saflex HP Composite Glass Interlayer w/ PET core” (formerly Vanceva), expiring on 11/11/2018.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. **17-1219.07**
Expiration Date: March 31, 2021
Approval Date: July 26, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

G. OTHERS
1. Notice of Acceptance No. 15-0723.10, issued to WinDoor, Inc. for their Series “8100” Aluminum Sliding Glass Door w/wo Reinforcements-S.M.I., approved on 04/07/16 and expiring on 03/31/21.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 17-1219.09
Expiration Date: March 31, 2021
Approval Date: July 26, 2018
8100 SERIES 5'0" x 8'2" SMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

8100 SERIES 5'0" x 8'2" SMI NON-REINFORCED SGD

8100 SERIES 5'0" x 8'2" SMI REINFORCED SGD

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 3600 sq. FEET.

8100 SERIES 5'0" x 8'2" SMI SGD
TYPICAL ELEVATION EXTERIOR VIEW
(6) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.
8100 SERIES 50" x 8'2" SMI SGD
TYPICAL ELEVATION EXTERIOR VIEW

(6) PANELS SHOWN, UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360 sq. FEET.

8100 SERIES 50" x 8'2" SMI NON-REINFORCED SGD
3 TRACK LAYOUT
NON-REINFORCEMENT UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING | IMPACT RATING
±70.0PSF | SMALL MISSILE IMPACT

FOR WOOD MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7

8100 SERIES 50" x 8'2" SMI REINFORCED SGD
3 TRACK LAYOUT
REINFORCEMENT UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING | IMPACT RATING
±110.0PSF | SMALL MISSILE IMPACT

FOR WOOD MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 06/19/2016

PRODUCT REVISED
as complying with the Florida Building Code
H.O.A.-No. 17-1219.07
Expiration Date 03/31/2021
By Miami-Dade Product Control
286 25/32" OVERALL TESTED FRAME WIDTH

120" MAX. FRAME HEIGHT

118 7/16" MAX. PANEL HEIGHT

108 21/32" MAX. D.L.O. HEIGHT

48" MAX. NOMINAL PANEL WIDTH

40" MAX. D.L.O. WIDTH

REINF.

REINF.

REINF.

6" TO WEEP SLOT

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 350 sq. FEET.

8100 SERIES 4'0" x 10'0" SMI SGD
4 TRACK LAYOUT

TYPICAL ELEVATION EXTERIOR VIEW

REINFORCE UNIT WITH SILL RISER #35 & #37

REINFORCE UNIT WITH SILL RISER #36 & #37

REINFORCE UNIT WITH SILL RISER #35

REINFORCE UNIT WITH SILL RISER #36

WEEP SLOT 1" x .1875"
TYP. LOCATED AT ALL VERTICAL CENTER LINES

FOR MASONRY/CONCRETE AND METAL INSTALLATION FOR ADDITIONAL SIZES SEE SHEET 7A

PRODUCT REVISED as complying with the Florida Building Code
NOA-No. 17-1219.07
Expiration Date 03/31/2021

By
Miami-Dade Product Control

SIGNED: 06/19/2018
8100 SERIES 4'0" x 10'0 SMI SGD
5 TRACK LAYOUT

TYPICAL ELEVATION EXTERIOR VIEW

(5) PANELS SHOWN. UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS IS APPLICABLE AS LONG AS INDIVIDUAL PANEL SIZE DOES NOT EXCEED MAXIMUM PANEL SIZE AND USE VERTICAL CONDITIONS AS SHOWN.

REINFORCEMENT UNIT WITH SILL RISER #36 AND #37

REINFORCEMENT UNIT WITH SILL RISER #38 AND #39

REASONS

REV | DESCRIPTION | DATE | APPROVED
--- | ----------- | ---- | ------
D | REVISED PER NEW REQUIREMENTS | 11/30/17 | R.L.

NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360 sq. FEET.

FOR WOOD MASONRY/CONCRETE AND METAL INSTALLATION FOR ADDITIONAL SIZES SEE SHEET 7A

8100 SERIES NON-REINFORCED SGD

6' TO WEEP SLOT

WEEP SLOT 1" x .1875"

WEARPLATE LOCATED AT ALL VERTICAL CENTER LINES

**Signed:** 06/19/2018

**WinDoor INCORPORATED**
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407-897-1000
Fax: 407-897-1003
www.windoorsm.com

**No. 52114**

**STATE OF FLORIDA**

**LICENSING**

**8100 SERIES SMI**
REINFORCED & NON-REINFORCED 4'0" x 10'0 TRACK ELEVATIONS

**PRODREVISED**
as complying with the Florida Building Code
NDA-No. 17-1219.07
Expiration Date 03/31/2021

**L.E.H.**
Miami-Dade Product Control

**DRAWN:**

**CONTRACT NO.:** 08-00878

**DATE:** 12/03/09

**SHEET 5A OF 27**
REINFORCEMENT

**8100 SERIES 5'0" x 8'2" SMI SGD**

Typical Elevation Exterior View

- (6) Panels shown. Unlimited number of panels is applicable as long as individual panel size does not exceed maximum panel size and use vertical conditions.
- Unlimited configurations is not applicable as long as individual panel size does not exceed maximum panel size and use vertical conditions.
- Weep slot 1" x 1875" typ. located at all vertical center lines.

**8100 SERIES 5'0" x 8'2" SMI NON-REINFORCED SGD**

5 Track Layout

- Non-Reinforce unit with sill riser #36 and #37

<table>
<thead>
<tr>
<th>Design Pressure Rating</th>
<th>Impact Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>±70.0PSF</td>
<td>Small Missile Impact</td>
</tr>
</tbody>
</table>

*For masonry/concrete and metal installation. For additional sizes see Sheet 7A.*

**8100 SERIES 5'0" x 8'2" SMI REINFORCED SGD**

5 Track Layout

- Reinforce unit with sill riser #36 and #37

<table>
<thead>
<tr>
<th>Design Pressure Rating</th>
<th>Impact Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>±110.0PSF</td>
<td>Small Missile Impact</td>
</tr>
</tbody>
</table>

*For wood installation. For additional sizes see Sheet 7A.*

---

**WinDoor INCORPORATED**

7550 Amsterdam Drive
Orlando, FL 32832
Phone: 407-898-7300
Fax: 407-898-7309
www.windoorinc.com

**SIGNED:** 06/19/2018

**PRODUCT REVISED**

as complying with the Florida Building Code

**NOA-No.** 17-1219.07

Expiration Date 03/31/2021

*By*

Miami-Dade Product Control

**SCALE**

Date 12/03/09

Sheet 6A of 27
### NON-REINFORCED UNITS DESIGN PRESSURE CHARTS
FOR GLAZING TYPES A, B, C, D, E, & F.

#### Maximum design pressure capacity chart (PSF)
**Series 8100 Aluminum SMi Non-Reinforced SGD with 1/4" all glass, item 833 & 37 Retro Sil, Item 70**
For units installed in Masonry/Concrete or Metal structure

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>24.0</th>
<th>30.0</th>
<th>36.0</th>
<th>42.0</th>
<th>48.0</th>
<th>54.0</th>
<th>60.0</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Pos</td>
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<td>114.0</td>
<td>80.0</td>
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<td>120.0</td>
<td>80.0</td>
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</tr>
</tbody>
</table>

#### Maximum design pressure capacity chart (PSF)
**Series 8100 Aluminum SMi Non-Reinforced SGD with 3/16" all glass, item 834 & 37 Retro Sil, Item 70**
For units installed in Masonry/Concrete or Metal structure

<table>
<thead>
<tr>
<th>Height (in)</th>
<th>24.0</th>
<th>30.0</th>
<th>36.0</th>
<th>42.0</th>
<th>48.0</th>
<th>54.0</th>
<th>60.0</th>
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</thead>
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</tbody>
</table>

#### Maximum design pressure capacity chart (PSF)
**Series 8100 Aluminum SMi Non-Reinforced SGD with 3/32" all glass, item 835 & 37 Retro Sil, Item 70**
For units installed in Masonry/Concrete or Metal structure

<table>
<thead>
<tr>
<th>Height (in)</th>
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<th>30.0</th>
<th>36.0</th>
<th>42.0</th>
<th>48.0</th>
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#### Maximum design pressure capacity chart (PSF)
**Series 8100 Aluminum SMi Non-Reinforced SGD with 1/8" all glass, item 836 & 37 Retro Sil, Item 70**
For units installed in Wood

<table>
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<th>Height (in)</th>
<th>24.0</th>
<th>30.0</th>
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</tbody>
</table>

**SIGNED: 06/19/2018**

---

**WinDoor Incorporated**
7500 AMSTERDAM DRIVE
ORLANDO, FL 32833
PHONE: (888) 852-1373
FAX: (407) 680-5020
www.windoorinc.com

**Luis R. Lomax**
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 62514

**8100 SERIES SMi**
REINFORCED & NON-REINFORCED PRESSURE CHARTS

---

**Panel Height and D.L.O. Formula**
**Panel Height = Unit Height - 1 9/16"**
**Maximum D.L.O. Height = Panel Height - 9 1/2"**
**D.L.O. Width = Nominal Panel Width - 9 1/2"**

---

**Product Revised as complying with the Florida Building Code**
**NOA-No.: 17-1219.07**
**Expiration Date: 03/31/2021**
**By Miami-Dade Product Control**
**D M C N O.: 08-00878**
**Date: 12/03/09**
**Rev. D**

---

**Scale:**
**NTS**
**Date:** 12/03/09
**Sheet no. 27 of 27**
### Reinforced Units Design Pressure Charts

#### For Glazing Types A, B, C, D, E, & F.

**Maximum design pressure capacity chart (PSF)**

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<th>Height (in)</th>
<th>24.0</th>
<th>30.0</th>
<th>36.0</th>
<th>42.0</th>
<th>48.0</th>
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</table>
ANCHORING NOTES:
1. FRAME SYSTEMS, 2 TRACK, 3 TRACK, 4 TRACK, HAVE TWO ANCHORS AT EACH LOCATION SHOWN IN HEAD, SILL AND JAMBS, 5 TRACK FRAME SYSTEMS HAVE THREE ANCHORS AT EACH LOCATION SHOWN IN HEAD, SILL AND JAMBS.
2. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK 4 TRACK AND 5 TRACK, HAVE ONE ANCHOR AT EACH LOCATION IN HOOK STRIP.
3. FOR ANCHORING INTO MASONRY/CONCRETE THROUGH A PROPERLY SECURED 1X NON-STRUCTURAL WOOD BUCk USE 1/4" ELCO CRETE-FLEX 554 WITH SUFFICIENT LENGTH TO ACHIEVE A 1/2" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE AND 2 3/8" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
4. FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X WOOD BACKED 20 GA. MINIMUM STEEL STUD USE GRADE 5 #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
5. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE LOAD BEARING SHIM TO BE 1/4".
6. ALL FASTENERS TO BE CORROSION RESISTANT.
7. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42
B. CONCRETE - MINIMUM COMpressive STRENGTH OF 3,350 PSI.
C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
D. METAL FRAMING - 20 GA (.040) MINIMUM THICKNESS WITH 2X WOOD BACKING, Fy=33ksi/3u=52ksi MINIMUM.

SIGNED: 06/19/2018

WinDoor INCORPORATED
7500 AMSTELDAAM DRIVE
ORLANDO, FL 32832
Phone: 407.494.9050
Fax: 407.494.5582
www.windoorinc.com

8100 SERIES SMI
REINFORCED & NON-REINFORCED
4’0” x 10’0” ANCHORING LAYOUT AND NOTES

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 17-1219.07
Expiration Date 03/31/2021
By Miami-Dade Product Control

GRAPH: T.JH
DWC NO: 08-00878
REV: D
SCALE: NTS
DATE: 12/03/09
SHEET 8 OF 27
ANCHORING NOTES:
1. FRAME SYSTEMS, 2 TRACK, 3 TRACK, 4 TRACK, HAVE TWO ANCHORS AT EACH LOCATION SHOWN IN HEAD, SILL AND JAMBS, 5 TRACK FRAME SYSTEMS HAVE THREE ANCHORS AT EACH LOCATION SHOWN IN HEAD, SILL AND JAMBS.
2. ALL FRAME SYSTEMS, 2 TRACK, 3 TRACK AND 5 TRACK, HAVE ONE ANCHOR AT EACH LOCATION IN HOOK STRIP.
3. FOR ANCHORING INTO MASONRY/CONCRETE THROUGH A PROPERLY SECURED 1X NON-STRUCTURAL WOOD BUCK USE 1/4" ELCO CRET-FLEX SS4 WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE AND 2 3/8" MINIMUM SEPARATION. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
4. FOR ANCHORING INTO WOOD FRAMING, 2X BUCK OR 2X WOOD BACKED 20 GA. MINIMUM STEEL STUD USE GRADE 5 #14 WOOD SCREW WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
5. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE LOAD BEARING SHIM TO BE 1/4".
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   A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
   B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,350 PSI
   C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90. GRADE N, TYPE 1 (OR GREATER).
   D. METAL FRAMING – 20 GA (.040) MINIMUM THICKNESS WITH 2X WOOD BACKING, Fy=53ksi/Fu=52ksi MINIMUM.

SIGNED: 06/19/2018
Panel Construction:
All panels are constructed from extruded 6063-T6 aluminum. Vertical stiles are notched to receive horizontal rails. Each rail is secured to stiles with (3) #10 x 1 1/4" SQ. drive screws at each end. Item #47. All panels have an interior and exterior applied glazing stop.

Frame Construction:
Each frame corner is notched and butted. Head and sill are secured to jambs with #7 type A SS screw. Item #46, (2) at each corner on 2 track, (2) at 3 track frame, (3) at each corner on 4 track frame and (3) at each corner on 5 track frame.

See charts on sheet 8 and 9 for cluster anchor quantity required.
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### PARTS LIST CONTINUED

#### FROM SHEET 11

### OPTIONAL SCREENS

- **MT SCREEN VERTICAL CROSS SECTION**
  - To be used with 27track, 27rack retro, 37rack, and 47rack frame systems

- **BOX SCREEN VERTICAL CROSS SECTION**
  - To be used with 27track WS and 27rack retro WS frame systems

**SIGNED: 09/19/2018**

**WinDoor INCORPORATED**

17-1219.07

8100 SERIES SWI REINFORCED & NON-REINFORCED GLAZING DETAILS

B.O.W & NON-REINFORCED GLAZING DETAILS

**No. 62514**

**STATE OF FLORIDA LICENSED PROFESSIONAL ENGINEER**

**Miami-Dade Product Control**

**PRODUCT REVISED as complying with the Florida Building Code NoA. No. 17-1219.07 Expiration Date 03/31/2021 By T.J.H.**

**SCALE NTS DATE 12/03/09 SHEET 12 OF 27**
SECTION A
2 TRACK WS FRAME SYSTEM WITH 3" SILL RISER SHOWN. 2 TRACK NS, 2 TRACK WS RETROFITTED & 2 TRACK WS RETROFIT SILLS AND ALL SILL RISERS MAY BE USED. SEE D.P. TABLE SHEETS 7 & 7A

SECTION B
3 TRACK FRAME SYSTEM WITH 4 1/4" SILL RISER SHOWN. ALL SILL RISERS MAY BE USED. SEE D.P. TABLE SHEETS 7 & 7A

SECTION C
4 TRACK FRAME SYSTEM WITH 3" SILL RISER SHOWN. ALL SILL RISERS MAY BE USED. SEE D.P. TABLE SHEETS 7 & 7A

NOTE:
SEE SHEETS 20, 20A, 21, 21A, 22, 22A AND 23 FOR TYPICAL ANCHORAGE TO VARIOUS SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD AND TRACK SYSTEM.
FIXED PANEL NOTES:
1. FIXED PANEL TO JAMB CONDITION:
   FIXED PANEL IS SEURED TO THE JAMB WITH (2) ITEMS #85. FIXED PANEL Z-CLIP, ONE Z-
   CLIP IS LOCATED 24" FROM TOP OF THE PANEL DOWN AND 24" FROM BOTTOM OF PANEL
   UP. EACH Z-CLIP IS ATTACHED TO PANEL WITH (3) ITEM # B4, #10 X 3/4" PH TEK
   SCREWS AND THEN IT IS ATACHED TO JAMB WITH (3) ITEM # B4, #10 X 3/4" PH
   TEK SCREWS. SECTION D SHEET 14, SECTION E SHEET 18 AND SECTION 2 SHEET 18
   SHOW A FIXED PANEL TO JAMB CONDITION.

2. FIXED PANEL TO FIXED PANEL CONDITION:
   TWO FIXED PANELS ARE SECURED TOGETHER WITH ITEM #83, #89 X 3/4" PH TEK SCREW.
   THERE IS A ROW ON THE INTERIOR AND A ROW ON THE EXTERIOR OF THE FIXED PANEL
   PACED 4" FROM THE TOP AND BOTTOM WITH ONE ADDITIONAL SCREW IN THE CENTER.
   SECTION D SHEET 14, SECTION DD SHEET 19, SECTION E SHEET 16, SECTION U SHEET 16
   AND SECTION CC SHEET 19 SHOW A FIXED PANEL TO FIXED PANEL CONDITION.

NOTE:
SEE SHEETS 20, 20A, 21, 21A, 22, 22A AND 23 FOR TYPICAL ANCHORAGE TO VARIOUS
SUBSTRATE MATERIALS. A SPECIFIC SUBSTRATE IS INDICATED ON EACH HEAD, SILL AND
JAMB TRACK SYSTEM. OTHER HEAD, SILL AND JAMB TRACK SYSTEMS ARE SIMILAR.
SECTION J
REINFORCED INTERIOR FIXED BUTT STILE TO LOCK STILE

SECTION L
REINFORCED INTERLOCK STILE TO REINFORCED INTERLOCK STILE

SECTION M
REINFORCED INTERIOR FIXED BUTT STILE TO PLAIN STILE

SECTION K
LOCK STILE TO REINFORCED INTERIOR FIXED BUTT STILE

REINFORCING BAR NOTE:
ITEM #46, INTERLOCK REINFORCING BAR IS SECURED TO INTERLOCK WITH ITEM #68. ITEM #47, FEMALE BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE BUTT STILE OFFSET WITH ITEM #63. ITEM #45, 6000 BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE BUTT STILE OFFSET WITH ITEM #68. ALL SCREWS ARE SPACED 6" FROM TOP AND BOTTOM OF STILES AND ONE AT MIDSPAN.
2 TRACK FRAME JAMB INSTALLATION
1x BUCK TO MASONRY/CONCRETE INSTALLATION

NOTE:
CONCRETE SUBSTRATE INSTALLATION FOR 2 TRACK SHOWN.
ANCHORAGE SIMILAR FOR 3 TRACK AND 4 TRACK SYSTEMS.
SEE SHEET 10 FOR O.D. ANCHOR SEPARATION.
2 TRACK WITH 3" SILL RISER SHOWN. 3 TRACK, 4 TRACK &
5 TRACK ARE SIMILAR. ALL APPLICABLE SILL RISERS MAYBE
USED. SEE O.P. TABLES SHEETS 7 & 7A.

1x BUCK BY OTHERS, 1x BUCK TO BE
PROPERLY SECURED
(SEE NOTE 2 SHEET 1)

BACKER ROD AND
APPROVED SEALANT
BY OTHERS
1X BUCK BY OTHERS, 1X BUCK TO BE PROPERLY SECURED (SEE NOTE 2 SMHT. 1)

BACKER ROD AND APPROVED SEALANT BY OTHERS

MASONRY/CONCRETE BY OTHERS

2 1/2" MIN. EDGE DIST.

4 3/4" SEPARATION

4 3/4" SEPARATION

MASIONRY/CONCRETE BY OTHERS

1 1/4" MIN. EMBEDMENT

1 1/4" MAX. SHIM

SEE NUMBER OF ANCHORS REQUIRED AT JAMBES PER TABLE SHEETS 8 & 9

1/4" ELCO CRETE-FLEX SS4

1/4" ELCO CRETE-FLEX SS4

1 1/4" MIN. EMBEDMENT

1/4" MAX. SHIM

FASTENER HEADS TO BE COVERED WITH APPROVED SEALANT

INTERIOR

EXTERIOR

4 3/4" SEPARATION

4 3/4" SEPARATION

4 3/4" SEPARATION

4 3/4" SEPARATION

2 1/2" MIN. EDGE DIST.

1/4" ELCO CRETE-FLEX SS4

SILL TO BE SET IN BED OF APPROVED SEALANT OR NON-SHRINK GROUT

MASONRY/CONCRETE BY OTHERS

5 TRACK FRAME VERTICAL INSTALLATION

MASONRY/CONCRETE INSTALLATION

5 TRACK FRAME JAMB INSTALLATION

1X BUCK TO MASONRY/CONCRETE INSTALLATION

SIGN: 06/19/2018

PRODUCT REVISED as complying with the Florida Building Code

HOA-No.: 117-1219.07

Expiration Date: 03/31/2021

By

Miami-Dade Product Control

WinDoor INCORPORATED

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No. 62534

8100 SERIES SM1

REINFORCED & NON-REINFORCED INSTALLATION DETAILS

DRAWN:

TJH

Dwg No.: 08-00878

REV: D

STATE OF FLORIDA

LICENSED PROFESSIONAL ENGINEER
4 TRACK FRAME JAMB INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION

NOTE:
WOOD BACKED 20 GA. STEEL STUD SUBSTRATE INSTALLATION FOR 4 TRACK SHOWN, ANCHORAGE SIMILAR FOR 2 TRACK AND 3 TRACK SYSTEMS. SEE SHEET 10 FOR O.C. ANCHOR SEPARATION.

4 TRACK WITH 3" SILL RISER SHOWN 2 TRACK, 3 TRACK & 5 TRACK ARE SIMILAR. ALL APPLICABLE SILL RISERS MAY BE USED. SEE D.P. TABLES SHEETS 7 & 7A.