NOTICE OF ACCEPTANCE (NOA)

WinDoo, 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. 08-00875, titled “8100 Series LMI: 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 11/27/17, 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: Large and 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 # 15-0723.12 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.

NOA No. 17-1219.09
Expiration Date: March 31, 2021
Approval Date: July 26, 2018
Page 1
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. 10-0209.12)*

   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) 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 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. 10-0209.12)*

   C. CALCULATIONS
      1. Anchor verification calculations complying w/ FBC-2014, dated 07/15/15 and last revised on 03/10/16, 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. 17-1219.09
   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. 12-0130.13, issued to WinDoor, Inc. for their Series “8100” Aluminum Sliding Glass Door w/wo Reinforcements-L.M.I., approved on 04/19/12 and expiring on 03/31/16.
2. Test Proposal #08-0955B (consolidated) dated 01/15/09, approved by BCCO. (Submitted under NOA No. 10-0209.12)

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.
4. Notice of Acceptance No. 17-0712.05 issued to Eastman Chemical Company (MA) for “Saflex Clear and Color Glass Interlayers”, expiring on 05/21/2021.

Sifang Zhao, P.E.
Product Control Examiner
NOA No. 17-1219.09
Expiration Date: March 31, 2021
Approval Date: July 26, 2018
F. STATEMENTS

G. OTHERS
   1. Notice of Acceptance No. 15-0723.12, issued to WinDoor, Inc. for their Series “8100” Aluminum Sliding Glass Door w/wo Reinforcements-L.M.I., approved on 04/07/16 and expiring on 03/31/21.
8100 SERIES 5'0" x 8'2" LMI 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 5'0" x 8'2" LMI NON-REINFORCED SGD
2 TRACK LAYOUT
NON-REINFORCED UNIT WITH SILL RISER #35

DESIGN PRESSURE RATING IMPACT RATING
\[ \leq 70.0 \text{PSF} \]
LARGE MISSILE IMPACT
FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

8100 SERIES 5'0" x 8'2" LMI REINFORCED SGD
2 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING IMPACT RATING
\[ \geq 110.0 \text{PSF} \]
LARGE MISSILE IMPACT
FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNED: 06/21/2018

PRODUCT REVIS ED
as complying with the Florida Building Code
NOA-No. 17-1219.09
Expiration Date 03/31/2021

By Miami-Dade Product Control

WinDoor INCORPORATED
7800 AMETHYST DRIVE ORLANDO, FL 32832 Phone: 407.978.8080 Fax: 407.483.3155 www.windoorsinc.com

8100 SERIES LMI REINFORCED & NON-REINFORCED 5'0" x 8'2" PANEL 2 TRACK ELEVATIONS

DRK: TJJH DOC NO: 08-00875 REV: D
SCALE NTS DATE: 10/13/09 SHEET 2 OF 27
8100 SERIES 4’0" x 10’0" LMI SGD

TYPICAL ELEVATION EXTERIOR VIEW

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

(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.

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

8100 SERIES 4’0" x 10’0" LMI NON-REINFORCED SGD

3 TRACK LAYOUT
NON-REINFORCED UNIT WITH SILL RISER #36

DESIGN PRESSURE RATING
±70.0PSF
FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7

IMPACT RATING
LARGE MISSILE IMPACT

HEAD
49 SILL

8100 SERIES 4’0" x 10’0" LMI REINFORCED SGD

3 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING
±110.0PSF
FOR MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

IMPACT RATING
LARGE MISSILE IMPACT

HEAD
49 SILL

REINFORCED UNIT WITH SILL RISER #36 AND #37

DESIGN PRESSURE RATING
±272.0PSF
FOR WOOD INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7A

IMPACT RATING
LARGE MISSILE IMPACT

SIGNED: 06/21/2018

WinDoor INCORPORATED
7500 AMSTERDAM DRIVES
ORLANDO, FL 32832
Phone 407-894-8000
Fax 407-894-8005
www.windoorsc.com

PRODUCT REVISED
as complying with the Florida Building Code
DOC No. 17-1219.09
Expiration Date 03/31/2021

By
Miami-Dade Product Control

TJH
08-00875
D
8100 SERIES 50' x 8'2" LMI 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 CENTER LINES.

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

8100 SERIES 50' x 8'2" LMI NON-REINFORCED SGD
3 TRACK LAYOUT
NON-REINFORCED UNIT WITH SILL RISER #35
DESIGN PRESSURE RATING IMPACT RATING
±70.0PSF LARGE MISSILE IMPACT
FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION FOR ADDITIONAL SIZES SEE SHEET 7A

8100 SERIES 50' x 8'2" LMI REINFORCED SGD
3 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37
DESIGN PRESSURE RATING IMPACT RATING
±110.0PSF LARGE MISSILE IMPACT
FOR MASONRY/CONCRETE AND METAL INSTALLATION FOR ADDITIONAL SIZES SEE SHEET 7A
FOR WOOD INSTALLATION FOR ADDITIONAL SIZES SEE SHEET 7A

SIGNATURE: 06/21/2018

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone 877-860-0985
Fax 407-853-1280
www.windoorinc.com

PRODUCT REVISED as complying with the Florida Building Code
BOCA-80 NOA-No. 17-1219.09
Expiration Date 03/31/2021

By Miami-Dade Product Control
8100 SERIES 40' x 100 LMI SGD
TYPICAL ELEVATION EXTerior VIEW

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

8100 SERIES 40' x 100 LMI NON-REINFORCED SGD
4 TRACK LAYOUT
NON-REINFORCED UNIT WITH SILL RISER #36

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<th>DESIGN PRESSURE RATING</th>
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FOR WOOD, MASONRY/CONCRETE AND METAL INSTALLATION
FOR ADDITIONAL SIZES SEE SHEET 7

8100 SERIES 40' x 100 LMI REINFORCED SGD
4 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37

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

SIGNED: 06/21/2018

PRODUCT REVISED as complying with the Florida Building Code
NDA-No. 17-1219.09
Expiration Date 03/31/2021

By: Miami-Style Product Control

WinDoor INCORPORATED
7800 AMSTERDAM DRIVE
ORLANDO, FL 32832
Phone: 407-424-3400
Fax: 407-498-1830
www.winдоров.com

No. 62514

STATE OF FLORIDA
PROFESSIONAL ENGINEER

DRN: 08-00875
REV: D
SCALE: N7S
DATE: 10/13/09
 SHEET: 5 OF 27
NOTE:
MAXIMUM AREA OF ALTERNATE SIZES MUST NOT EXCEED FRAME AREA OF 360 sq. feet.
358 3/4" OVERALL TESTED FRAME WIDTH
60" MAX. NOMINAL PANEL WIDTH

52" MAX. D.L.O. WIDTH

96 7/16" MAX. PANEL HEIGHT
98" MAX. FRAME HEIGHT
86 21/32" MAX. D.L.O. HEIGHT

8100 SERIES 5'0" x 8'2 LMI SGD
TYPICAL ELEVATION EXTERIOR VIEW
(8) 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 350sq. FEET.

8100 SERIES 5'0" x 8'2 LMI NON-REINFORCED SGD
4 TRACK LAYOUT
NON-REINFORCED UNIT WITH SILL RISER #35
DESIGN PRESSURE RATING IMPACT RATING
±70.0PSF LARGE MISSILE IMPACT
FOR WOOD, MASONRY, CONCRETE AND METAL INSTALLATION FOR ADDITIONAL SIZES SEE SHEET 7

8100 SERIES 5'0" x 8'2 LMI REINFORCED SGD
4 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37
DESIGN PRESSURE RATING IMPACT RATING
±110.0PSF LARGE MISSILE IMPACT
FOR MASONRY, CONCRETE AND METAL INSTALLATION FOR ADDITIONAL SIZES SEE SHEET 7

WEEP SLOT 1" x 1.875"
TYP. LOCATED AT ALL VERTICAL CENTER LINES

SIGNED: 06/21/2018

8100 SERIES LMI
REINFORCED & NON-REINFORCED
5'0" x 8'2 PANELS 4 TRACK ELEVATIONS

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 17-1219.09
Expiration Date 03/31/2021

By
Miami-Dade Product Control

TJH
08-00875
10/13/09
Sheet 6 of 27
8100 SERIES 5'0 x 8'2 LMI SGD

TYPICAL ELEVATION EXTERIOR VIEW

- 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 5'0 x 8'2 LMI NON-REINFORCED SGD

5 TRACK LAYOUT
NON-REINFORCED UNIT WITH SILL RISER #36

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For wood, masonry/concrete and metal installation. For additional sizes see Sheet 7.

8100 SERIES 5'0 x 8'2 LMI REINFORCED SGD

5 TRACK LAYOUT
REINFORCED UNIT WITH SILL RISER #36 AND #37

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<td>±81.3PSF</td>
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</tbody>
</table>

For wood installation. For additional sizes see Sheet 7.

SIGNED: 06/21/2018

WinDoor INCORPORATED
7900 AMSTERDAM DRIVE
ORLANDO, FL 32832
www.windoordisc.com

PRODUCT REvised as complying with the Florida Building Code

NOA-No. 17-1219.09
Expiration Date 03/31/2021

Miami-Dade Product Control

NOTES:
- Maximum area of alternate sizes must not exceed frame area of 360 sq. ft.
### Reinforced Units Design Pressure Charts with Glazing Options A, B, C and D

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

**Series 8100 Aluminum LMI Reinforced SGD with 3 1/2" all rafter & 27 Retro Sill, 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>
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#### Maximum design pressure capacity chart (PSF)

**Series 8100 Aluminum LMI Reinforced SGD with 3 1/2" all rafter & 27 Retro Sill, 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>
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#### Maximum design pressure capacity chart (PSF)

**Series 8100 Aluminum LMI Reinforced SGD with 4 1/4" all rafter**

For units installed in Masonry/Concrete or Metal structure.

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<th>Height (in)</th>
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**WINODOR INCORPORATED**

7600 AMSTERDAM DRIVE
ORLANDO, FL 32832

Phone: 407-423-5200 www.winodor.com

**PRODUCT REVISED: 3/31/2021**

**8100 SERIES LMI**

**REINFORCED & NON-REINFORCED**

**DESIGN PRESSURE CHARTS**

**Expiration Date: 03/31/2023**

**SIGNED: 06/21/2018**

By: Miami-Dade Product Control

**SCALE**

NTS: DATE 10/13/09 SHEET 7A 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, 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" ELDO CRETE-FLEX 554 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 1/8" OR GREATER OCCURS. MAXIMUM ALLOWABLE LOAD BEARING SHIM TO BE 1/8".
6. ALL FASTENERS TO BE CORROSION RESISTANT.
7. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR 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 G=0.42
   B. CONCRETE — MINIMUM COMPRESSIVE STRENGTH OF 3,350 PSI
   C. MASONRY — STRENGTH CONFORMANCE TO ASTM C-80, GRADE N, TYPE 1 (OR GREATER).
   D. METAL FRAMING — 20 GA (.040) MINIMUM THICKNESS WITH 2X WOOD BACKING, Fy=33ksi/Fu=52ksi MINIMUM.

### Number of anchor locations required at jamb/sill/intermediate anchors

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<tr>
<th>Height (in)</th>
<th>24.0</th>
<th>32.0</th>
<th>40.0</th>
<th>48.0</th>
<th>56.0</th>
<th>64.0</th>
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</thead>
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<tr>
<td>Jamb/sill</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
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<td>5</td>
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**H&S - HEAD AND SILL INTERMEDIATE ANCHORS**

### Number of anchor locations required at hookstrip (1 anchor per location)

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<th>Height (in)</th>
<th>24.0</th>
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<th>40.0</th>
<th>48.0</th>
<th>56.0</th>
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<th>72.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jamb/sill</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
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<tr>
<td>Intermediate anchors</td>
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<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
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</table>

**40' x 10'0" ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS**

4 PANEL UNIT SHOWN, APPLICABLE TO ALL CONFIGURATIONS USING SAME ANCHOR CLUSTER AND PATTERN.

**SIGNED: 06/21/2018**

---

**WinDoor Incorporated**

7601 AMSTERDAM DRIVE
ORLANDO, FL 32832

**8100 SERIES LMI**

REINFORCED & NON-REINFORCED

40' x 10'0" ANCHORING LAYOUT AND NOTES

**REGISTERED ENGINEER**

Miami-Dade Product Control

**STATE OF FLORIDA**

**No. 62144**

**No. 52832**

**SIGNATURE:**

**M. R. Lomas**

**DATE:** 10/3/09

**PAGE:** 8 OF 27

**PRODUCT REVISED**

as complying with the Florida
Building Codes.

**NOA No.: 17-1219.09**

Expiration Date 03/31/2021

8100 SERIES LMI

REINFORCED & NON-REINFORCED

40' x 10'0" ANCHORING LAYOUT AND NOTES

**DRAWN:**

**CONTROL:**

**SIGNED:**

**D**
50’ x 82’ ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS

4 PANEL UNIT SHOWN, APPLICABLE TO ALL CONFIGURATIONS USING SAME ANCHOR CLUSTER AND PATTERN

ANCHORING NOTES:
1. FRAME SYSTEMS, 2 TRACK, 3 TRACK, 4 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 SSS 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”.
6. All fasteners to be corrosion resistant.
7. Installation anchors shall be installed in accordance with anchor 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 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, Ty = 33 ksi / T = 52 ksi minimum.

SIGNED: 06/21/2018

WinDoor INCORPORATED
7950 AMSTERDAM DRIVE
ORLANDO, FL 32832
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www.windoorsinc.com

Luis R. Lomas
No. 62514
STATE OF FLORIDA
STATE ENGINEER

PRODUCT REvised
as complying with the Florida Building Code
NOA-No. 17-1219.09
Expiration Date 03/31/2021
By: Miami-Dade Product Control

TJH
DATE 06-08875 REV D
NAPS NTS DATE 10/13/09 SHEET 9 OF 27
**Cluster Detail**

- **2-Track System**
  - Vertical Condition
  - 4" MAX.
  - 4 3/4" separation
  - 2 3/8" separation

- **3-Track System**
  - Vertical Condition
  - 4" MAX.

- **4-Track System**
  - Vertical Condition
  - 4" MAX.

- **5-Track System**
  - Vertical Condition
  - 4" MAX.

**Cluster Anchor Quantity Required**

- **Jamb Anchor Locations**
  - See details in sheets 20, 20A, 21, 21A, 22 & 22A

- **Head & Sill Anchor Locations**
  - See details in sheets 23, 23A, 21, 21A, 22 & 22A

**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 #48. (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.
### Parts List

**Parts List Continued from Sheet 11**

<table>
<thead>
<tr>
<th>NO.</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>MANUFACTURER</th>
<th>MATERIAL</th>
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</tr>
</tbody>
</table>

---

**Gertrude W. Petschel**

*SIGNED: 06/21/2018*

**WinDoor Incorporated**

7000 Amsterdam Drive
Orlando, FL 32832

**Luis R. Lomas**

No. 62014

**State of Florida**

B100 Series LMI

Reinforced & Non-Reinforced

B.O.M. & Non-Reinforced Glazing Details

*By Miami-Dade Product Control*
SECTION C

5 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.
REINFORCED BAR NOTE:
ITEM #46, INTERLOCK REINFORCING BAR IS SECURED TO INTERLOCK WITH ITEM #66. ITEM #47, FEMALE BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE BUTT STILE OFFSET WITH ITEM #65. ITEM #45, 6000 BUTT STILE REINFORCING BAR IS SECURED TO FEMALE BUTT STILE AND FEMALE BUTT STILE OFFSET WITH ITEM #66. 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.C. ANCHOR SEPARATION.

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

SIGNED: 06/21/2018
3 TRACK FRAME JAMB INSTALLATION

2X BUCK/WOOD FRAME INSTALLATION

NOTE:
2X BUCK/WOOD FRAME SUBSTRATE INSTALLATION FOR 3 TRACK SHOWN. ANCHORAGE SIMILAR FOR 2 TRACK AND 4 TRACK SYSTEMS. SEE SHEET 10 FOR O.C. ANCHOR SEPARATION.

3 TRACK WITH 4 1/4" SILL RISER SHOWN 2 TRACK, 4 TRACK & 5 TRACK ARE SIMILAR. ALL APPLICABLE SILL RISERS MAYBE USED. SEE D.P. TABLES SHEETS 7 & 7A.

WINDOOR INCORPORATED
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ORLANDO, FL 32832
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PRODUCT REVISED
2017-12-19
LOA-No. 17-1219.09
Expiration Date 03/31/2021

By
Miami-Dade Product Control

TJH 08-00875 REV D

SCALE NTS DATE 10/13/09 SHEET 21 OF 27

SIGNED: 06/21/2018
DOUBLE 2X BACKED 20GA STEEL FRAMING BY OTHERS (SEE NOTE 2 SMT. 1)

BACKER ROD AND APPROVED SEALANT BY OTHERS

1 1/8" MIN. EDGE DIST.

7 1/8" SEPARATION

1 5/8" MIN. EMBEDMENT

1/4" MAX. SHIM

#14 WOOD SCREW

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

FASTENER HEADS TO BE COVERED WITH APPROVED SEALANT

INTERIOR

EXTERIOR

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 MAYBE USED. SEE D.P. TABLES SHEETS 7 & 7A.

SIGNED: 06/21/2018

PRODUCT REVISED
as complying with the Florida Building Code
NDA-No. 17-1219.09
Expiration Date 03/31/2021

By Miami-Dade Product Control
5 TRACK FRAME VERTICAL INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION

DOUBLE 2X BACKED 20GA. STEEL FRAMING BY OTHERS
(SEE NOTE 2 SHT. 1)

BACKER ROD AND APPROVED SEALANT BY OTHERS

1 5/8" MIN. EMBEDMENT

DOUBLE 2X BACKED 20GA. STEEL FRAMING BY OTHERS
(SEE NOTE 2 SHT. 1)

4 3/4" SEPARATION

1/4" MAX. SHIM

#14 WOOD SCREW

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

FASTENER HEADS TO BE COVERED WITH APPROVED SEALANT

INTERIOR

EXTERIOR

4 13/16" SEPARATION

4 15/32" SEPARATION

1" MIN. EDGE DIST.

4 3/4" SEPARATION

1" MIN. EDGE DIST.

5 TRACK FRAME JAMB INSTALLATION
WOOD BACKED 20 GA. STEEL STUD INSTALLATION

PRODUCT REVISED
as complying with the Florida Building Code
HCA-No. 17-1219.09
Expiration Date 03/31/2021

By Miami-Dade Product Control

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7900 AMSTERDAM DRIVE
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Phone: 407.345.2663
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No. 63254

SIGNED: 06/21/2018