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. 08-01663, titled “7000 HP Series LMI Reinforced & Non–Reinforced”, sheets 1 through 14 of 14, including sheets 2A and 2B, prepared by manufacturer, dated 07/03/12 with Revision E 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: Large Missile Impact Resistant

LIMITATION:

1. See Design Pressure vs. Sizes, Reinforcement, and Sill adapter in sheet 2.
2. The approved configurations are 4 panels or less. See anchors requirements for two, three or four tracks configurations in sheet 3. See glazing option in sheet 4.

LABELING: Each unit shall bear a permanent label with the manufacturer’s name or logo, city, state, 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 precede 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 and renews NOA No. 15-0723.11 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 Jorge M. Plasencia, 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 previous NOA No. 12-820.09)
   2. Drawing No. 08-01663, titled “7000 HP Series LMI Reinforced & Non-Reinforced”,
      sheets 1 through 14 of 14, including sheets 2A and 2B, prepared by manufacturer,
      dated 07/03/12 and latest revision on 04/18/16, signed and sealed by Luis R., 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) 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
      with and without Reinforcements, prepared by National Certified Testing
      Laboratories, Inc., Test Report No. NCTL-210-3779-1, dated 05/08/12 signed and
      sealed by Gerald J. Ferrara, P.E.
      (Submitted under previous NOA No. 12-820.09)

C. CALCULATIONS
      07/10/15 with last revised on 04/04/16, prepared, signed and sealed by Luis R. Lomas,
      P.E.
   2. Glazing complies with ASTM E1300-04/ 09

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc., for

Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 17-1219.08
Expiration Date: June 06, 2023
Approval Date: April 12, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS
1. Statement letter of conformance, complying with FBC 5th Edition (2014) and of no financial interest, issued, prepared, signed, sealed and dated 06/08/15 by Luis R. Lomas, P.E.
2. Laboratory compliance letter for Test Report No. NCTL-210-3779-1, issued by National Certified Testing Laboratories, Inc., dated 05/08/12 signed and sealed by Gerald J. Ferrara, P.E.
(Submitted under previous NOA No. 12-820.09)

G. OTHERS
1. Notice of Acceptance No. 12-0820.09, issued to WinDoor, Inc. for their Series “7000 Aluminum Sliding Glass Door w/ wo Reinforcements-L.M.I.”, approved on 06/06/13 and expiring on 06/06/18.

2. NEW EVIDENCE SUBMITTED
A. DRAWINGS
1. Drawing No. 08-01663, titled “7000 HP Series LMI Reinforced & Non–Reinforced”, sheets 1 through 14 of 14, including sheets 2A and 2B, prepared by manufacturer, dated 07/03/12 with Revision E dated 11/30/17, signed and sealed by Luis R. Lomas, P.E.

B. TESTS
1. None.

C. CALCULATIONS

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

E. MATERIAL CERTIFICATIONS

Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 17-1219.08
Expiration Date: June 06 , 2023
Approval Date: April 12, 2018

E – 2
NOTICE OF ACCEPTANCE:  EVIDENCE SUBMITTED

F. STATEMENTS

G. OTHERS
1. This NOA revises and renews NOA #15-0723.11, expiring on 06/06/18.

Jorge M. Plasencia, P. E.
Product Control Unit Supervisor
NOA No. 17-1219.08
Expiration Date: June 06, 2023
Approval Date: April 12, 2018
NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE 6TH EDITION (2017) INCLUDING THE H+MH.
2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD. 1X BUCK TO BE PROPERLY SECURED.
4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. FRAME MATERIAL: EXTRUDED 6063-T6 ALUMINUM.
6. UNITS MUST BE GLAZED AND COMPLY PER ASTM E1300-04/09, SEE SHEET 4 FOR GLAZING OPTIONS.
7. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/8".
9. FOR ANCHORING INTO WOOD FRAMING OR (2) 2X BUCK USE #12 WOOD SCREWS (GRADE 5) WITH SUFFICIENT LENGTH TO ACHIEVE A 1 5/8" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
10. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ELCO CRETE-FLEX SS4 WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. ALL FASTENERS TO BE CORROSION RESISTANT.
12. 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, NORMAL WEIGHT W/2KSI.
13. APPROVED CONFIGURATIONS (4 PANELS OR LESS) X, XX, OX, OX, OX, OX, OX, OX, OX
14. SEE TO COMPLY WITH FBC EGRESS REQUIREMENTS AS APPLICABLE.
7000 HP SERIES ALUMINUM REINFORCED AND NON-REINFORCED SLIDING GLASS DOOR

FOR MASONRY/CONCRETE INSTALLATION

REINFORCED UNITS
W/ BURL RISER ITEMS: 4, 5, 53, 54 & 64

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<th>DESIGN PRESSURE RATING</th>
<th>IMPACT RATING</th>
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<td>+80.0/-90.0 PSF</td>
<td>LARGE AND SMALL MISSILE IMPACT</td>
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MISSILE LEVEL D, WIND ZONE 4 AND HH/HA
SEE CHART PAGE 2A FOR SMALLER UNITS RATING

FORMULAS FOR PANEL & D.L.O:

- PANEL HEIGHT = FRAME HEIGHT - 1 15/16" D.L.O.
- PANEL WIDTH = FRAME WIDTH - 7 1/4"

FOR WOOD INSTALLATION

REINFORCED UNITS
W/ BURL RISER ITEMS: 3, 4, 5, 52, 53, 54, 63 & 64

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<th>DESIGN PRESSURE RATING</th>
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MISSILE LEVEL D, WIND ZONE 4 AND HH/HA
SEE CHART PAGE 2A FOR SMALLER UNITS RATING

NON-REINFORCED UNITS
W/ BURL RISER ITEMS: 3, 4, 5, 52, 53, 54, 63 & 64

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MISSILE LEVEL D, WIND ZONE 4 AND HH/HA
SEE CHART PAGE 2A FOR SMALLER UNITS RATING

PANEL CONSTRUCTION:

- 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" SO. DRIVE SCREW AT EACH END. ALL PANELS HAVE AN INTERIOR FIXED GLAZING STOP AND AN EXTERIOR APPLIED GLAZING STOP.

FRAME CONSTRUCTION:

- EACH FRAME CORNER IS NOTCHED AND BUTTED. HEAD AND SILL ARE SECURED TO frame WITH 8 x 1" TYPE T SCREW
- (2) AT EACH CORNER ON 2 TRACK FRAME, (3) AT EACH CORNER ON 3 TRACK FRAME AND (4) AT EACH CORNER ON 4 TRACK FRAME.

SIGNED: 02/21/2018
ANCHORING LAYOUT NON-REINFORCED AND REINFORCED UNITS

4 PANELS UNIT SHOWN, APPLICABLE TO ALL 4 PANELS OR LESS CONFIGURATIONS USING SAME ANCHOR CLUSTER AND PATTERN

Number of anchor locations required

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<th>Frame Height (in)</th>
<th>24.0</th>
<th>30.0</th>
<th>36.0</th>
<th>42.0</th>
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<tr>
<td>H&amp;S Cluster</td>
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<tr>
<td>Jamb Cluster</td>
<td>5</td>
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<tr>
<td>Vertical Condition</td>
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VERITCAL CONDITION (LOCK STILE/INTERLOCK)

3" MAX.  3" MAX.  3" MAX.  3" MAX.  3" MAX.

ANCHOR CLUSTER DETAIL (HEAD / SILL)

2 TRACK REINFORCED AND NON-REINFORCED AT HEAD & SILL (ANCHORAGE IN EXTERIOR TRACKS)

EXTERIOR CLUSTER DETAIL (HEAD / SILL) 3-TRACK SYSTEM
HORIZONTAL CROSS SECTION
2 TRACK NON-REINFORCED
UNITS MAY BE INSTALLED WITHOUT SCREEN

FOR ILLUSTRATION ONLY
FOR INSTALLATION SEE DETAILS IN SHEETS 10 THROUGH 12
FIXED PANEL JAMB
SEE SHEET 4 FOR 2 CLIP (ITEM 23)
ATTACHMENT DETAIL

FIXED PANEL INTERLOCK

HORIZONTAL CROSS SECTION
8 TRACK REINFORCED
UNITS MAY BE INSTALLED WITHOUT SCREEN

LOCK STILES

INTERLOCK JAMB

SIGNED: 02/21/2018

FOR ILLUSTRATION ONLY
FOR INSTALLATION SEE DETAILS
IN SHEETS 10 THROUGH 12
MASONRY/CONCRETE BY OTHERS

1/4" ELCO CRETE-FLEX SS4

BACKER ROD AND SEALANT BY OTHERS

1 1/4" MIN. EMBED.

2 1/2" MIN. EDGE DIST.

1X NON-STRUCTURAL BUCK BY OTHERS, 1X TO BE PROPERLY SECURED

1/4" MAX. SHIM SPACE

INTERIOR

FASTENER HEADS MUST BE COVERED WITH APPROVED SEALANT BY OTHERS

SILL MUST BE SET IN FULL BED OF APPROVED SEALANT OR NON-SHRINK GROUT BY OTHERS

1 1/4" MIN. EMBED.

1 3/8" MAX (2 TRACK)
3 5/16" MAX (3 TRACK)
5 1/4" MAX (4 TRACK)

1/4" ELCO CRETE-FLEX SS4

1/4" MAX. SHIM SPACE

EXTERIOR

MASONRY/CONCRETE BY OTHERS

1X NON-STRUCTURAL BUCK BY OTHERS, 1X TO BE PROPERLY SECURED

1 1/4" MIN. EMBED.

1 15/16" MAX (2 TRACK)
3 7/8" MAX (3 TRACK)
5 13/16" MAX (4 TRACK)

1/4" ELCO CRETE-FLEX SS4

1/4" MAX. SHIM SPACE

2 TRACK FRAME JAMB

1X BUCK TO MASONRY/CONCRETE INSTALLATION.
2 TRACK SHOWN 3 & 4 TRACK SIMILAR.
SEE ANCHOR LAYOUT SHEET 3

NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

2 TRACK VERTICAL SECTION

MASONRY/CONCRETE INSTALLATION
2 TRACK SHOWN 3 & 4 TRACK SIMILAR
SEE ANCHOR LAYOUT SHEET 3

REV
DESCRIPTION
DATE
APPROVED
E
REVISED PER NEW REQUIREMENTS
11/30/17
R.L.

SIGNATURE: 02/21/2018

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 17-1219.08
Expiration Date 06/06/2023

By Miami-Dade Product Control

WinDoor INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 32832
HP SERIES LMI REINFORCED & NON-REINFORCED INSTALLATION DETAILS

A.P.
DNO.
REV
08-01663
E

SCALE
NTS
DATE
07/03/2012
SHEET 10 OF 14
3 TRACK FRAME JAMB
WOOD BACKED 20GA STEEL STUD INSTALLATION
2 TRACK SHOWN 3 & 4 TRACK SIMILAR
SEE ANCHOR LAYOUT SHEET 3

3 TRACK VERTICAL SECTION
WOOD BACKED 20GA STEEL STUD INSTALLATION
3 TRACK SHOWN 2 & 4 TRACK SIMILAR
SEE ANCHOR LAYOUT SHEET 3

NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS,
   NOT SHOWN FOR CLARITY.
2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE
   DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 02/21/2018

WinDoor
INCORPORATED
7500 AMSTERDAM DRIVE
ORLANDO, FL 33833
www.windoorinc.com

By
Miami-Dade Product Control

PRODUCT REVISED
AS COMPLYING WITH THE FLORIDA BUILDING CODE
EXPIRATION DATE: 06/06/2023

7000 HP SERIES LMI REINFORCED & NON-REINFORCED INSTALLATION DETAILS

A.P. 08-01683 REV E