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. MD-SH800LM-01, titled “SH Window – Large Missile”, sheets 1 through 8 of 8, dated 11/11/11 with revision C dated 06/16/17, prepared by manufacturer, signed and sealed by A. 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.

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# 16-0714.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by Jorge M. Plasencia, P.E.

NOA No. 17-0630.03
Expiration Date: May 03, 2022
Approval Date: October 26, 2017
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections.
   *(Submitted under NOA No. 11-1222.04)*
2. Drawing No. MD-SH800LM-01, titled “SH Window – Large Missile”, sheets 1 through 8 of 8, dated 11/11/11, with revision C dated 06/16/17, prepared by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.

B. TESTS
1. 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 a PVC sliding glass door, a PVC fixed window and an aluminum sliding glass door, using: Kodispase 4SG TPS spacer system, Duraseal® spacer system, Super Spacer® NXT™ spacer system and XL Edge™ spacer system at insulated glass, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. FTL-8717, FTL-8968 and FTL-8970, dated 11/16/15, 06/07/16 and 06/02/16 respectively, all signed and sealed by Idalmis Ortega, P.E.
   *(Submitted under previous NOA No. 16-0714.01)*
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) 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, and TAS 202-94
   along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-6642, dated 10/03/11, signed and sealed by Marlin D. Brinson, P.E.
   *(Submitted under NOA No. 11-1222.04)*
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-6643, dated 10/03/11, signed and sealed by Marlin D. Brinson, P.E.
   *(Submitted under NOA No. 11-1222.04)*

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-0630.03
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E - 1
PGT Industries, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS
2. Glazing complies with ASTM E1300-09

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) Glass Interlayers” dated 06/25/15, expiring on 07/04/18.

F. STATEMENTS
2. Statement letter of no financial interest, dated 06/22/17, issued by manufacturer, signed and sealed by Anthony Lynn Miller, P.E.
3. Proposal No. 16-1372B issued by the Product Control Section, dated 11/09/16, signed by Manuel Perez, P.E.
4. Proposal No. 16-0125 issued by the Product Control Section, dated 03/09/16, signed by Ishaq Chanda, P.E. (Submitted under previous NOA No. 16-0714.01)
5. Laboratory compliance letters for Test Reports No. FTL-6642 and FTL-6643, issued by Fenestration Testing Laboratory, Inc., dated 10/03/11, signed and sealed by Marlin D. Brinson, P.E. (Submitted under NOA No. 11-1222.04)

G. OTHERS
1. Notice of Acceptance No. 16-0714.01, issued to PGT Industries, Inc. for their Series “SH-800” Aluminum Single Hung Window - L.M.I.” approved on 08/18/16 and expiring on 05/03/22.

Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 17-0630.03
Expiration Date: May 03, 2022
Approval Date: October 26, 2017
### Anchor Quantities Required - Group A Anchors

<table>
<thead>
<tr>
<th>Anchor Group</th>
<th>Anchor</th>
<th>Substrate</th>
<th>Min. Edge Distance</th>
<th>Min. Embedment</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>#12, Steel SMS (#)</td>
<td>P.T. Southmin Pine (SG = .59)</td>
<td>9&quot;/6&quot;</td>
<td>1-3/8&quot;</td>
</tr>
<tr>
<td></td>
<td>#12, 410 SS SMS</td>
<td>6063-T5 Alum</td>
<td>3/8&quot;</td>
<td>1/8&quot; **</td>
</tr>
<tr>
<td></td>
<td>2.25&quot; A36 Steel</td>
<td>Steel Stud, Gr. 33 min.</td>
<td>3/8&quot;</td>
<td>0.045 (19 Ga.) **</td>
</tr>
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<td></td>
<td>2.25&quot; A36 Steel</td>
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<td>1/8&quot; **</td>
<td></td>
</tr>
</tbody>
</table>

* Min. of 3 threads beyond the metal substrate.

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### Notes:
1. For buck dimensions, subtract 1" from window width or height.
2. "RR" = Meeting Rail.
3. For overall sash width, subtract 2.56' from the window width.
4. For sides not shown, round up to the next available width or height dimension shown on the table.
5. See Sheet 2 for installation details.

### Product Revised as complying with the Florida Building Code
NOA No.: 17-0630.03
Expiration Date: 05/03/2022

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### Material

<table>
<thead>
<tr>
<th>Material</th>
<th>Min. Fc</th>
<th>Min. Fp</th>
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<tbody>
<tr>
<td>Steel Screw</td>
<td>92 ksi</td>
<td>120 ksi</td>
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<tr>
<td>410 Screw</td>
<td>90 ksi</td>
<td>110 ksi</td>
</tr>
<tr>
<td>6063-T5 Aluminum</td>
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<td>A36 Steel</td>
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<td>50 ksi</td>
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<tr>
<td>Gr 33 Steel Stud</td>
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<td>45 ksi</td>
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### Revision

Updated Anchor Quantity Table.

**By Miami-Dade Product Control**

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### Figure:

**Figure K:** Sash Visible Light Height

**Figure L:** Sash Height, 38-1/2" Max.

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### Table 2:

<table>
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* Min. of 3 threads beyond the metal substrate.

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### Notes:
1. For buck dimensions, subtract 1" from window width or height.
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4. For sides not shown, round up to the next available width or height dimension shown on the table.
5. See Sheet 2 for installation details.

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### Product Revised as complying with the Florida Building Code
NOA No.: 17-0630.03
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</tr>
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<td>22 ksi</td>
</tr>
<tr>
<td>A36 Steel</td>
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<td>50 ksi</td>
</tr>
<tr>
<td>Gr 33 Steel Stud</td>
<td>33 ksi</td>
<td>45 ksi</td>
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### Revision

Updated Anchor Quantity Table.

**By Miami-Dade Product Control**

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### Table 2:

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<tr>
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<td></td>
<td>2.25&quot; A36 Steel</td>
<td>Steel Stud, Gr. 33 min.</td>
<td>3/8&quot;</td>
<td>0.045 (19 Ga.) **</td>
</tr>
<tr>
<td></td>
<td>2.25&quot; A36 Steel</td>
<td>3/8&quot;</td>
<td>1/8&quot; **</td>
<td></td>
</tr>
</tbody>
</table>

* Min. of 3 threads beyond the metal substrate.
TABLE 3: ANCHOR QUANTITIES REQUIRED - Group B Anchors

<table>
<thead>
<tr>
<th>Anchor Group</th>
<th>Anchor</th>
<th>Substrate</th>
<th>Min. Edge Distance</th>
<th>Min. Embedment</th>
</tr>
</thead>
<tbody>
<tr>
<td>#14, Steel SMS (G5)</td>
<td>P.T. Southern Pine (G5 = 0.55)</td>
<td>Steel Stai, Gr. 33 min.</td>
<td>3/8&quot;</td>
<td>1/8&quot; **</td>
</tr>
<tr>
<td>or #14, 410 SS SMS</td>
<td>903-S3 Alum</td>
<td>Steel Stai, Gr. 33 min.</td>
<td>3/8&quot;</td>
<td>0.045 (10 d) **</td>
</tr>
<tr>
<td>A36 Steel</td>
<td>8&quot;</td>
<td>Steel Stai, Gr. 33 min.</td>
<td>3/8&quot;</td>
<td>1/8&quot; **</td>
</tr>
</tbody>
</table>

** MIN. OF 3 THREADS BEHIND THE METAL SUBSTRATE.

NOTES:
1) FOR BUCK DIMENSIONS, SUBTRACT 1" FROM WINDOW WIDTH OR HEIGHT.
2) "WT" = "MEETING RAIL".
3) FOR OVERALL SASH WIDTH, SUBTRACT 2-1/16" FROM THE WINDOW WIDTH.
4) FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT.
5) DIMENSION SHOWN ON THE TABLE
6) SEE SHEET 2 FOR INSTALLATION DETAILS.
7) SASH VISIBILITY LIGHT FORMULAS:
   WIDTH = WINDOW WIDTH - 4.875"
   HEIGHT = SASH HEIGHT - 4.025"
8) FIXED VISIBILITY LIGHT FORMULAS:
   WIDTH = WINDOW WIDTH - 3.5"
   HEIGHT = WINDOW HEIGHT - 3.366"

PRODUCT REVISED
by Miami-Dade Product Control

170630.03
Expiry Date: 05/03/2022

By

ANTHONY MILLER, P.E.
PROFESSIONAL ENGINEER

ANTHONY MILLER, P.E.
PROFESSIONAL ENGINEER

REVISED: UPDATED ANCHOR QUANTITY TABLE.
### ANCHOR QUANTITIES REQUIRED - Group C Anchors

<table>
<thead>
<tr>
<th>Anchor Group</th>
<th>Anchor</th>
<th>Substrate</th>
<th>Min. Embed.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/4&quot; Seat Ulltsecon</td>
<td>Concrete (min. 3.9 ksi)</td>
<td>1/8&quot;</td>
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<tr>
<td></td>
<td>1/4&quot; CeraFlex</td>
<td>Concrete (min. 3.35 ksi)</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td></td>
<td>1/4&quot; CeraFlex</td>
<td>Hollow Deck (ASTM C105)</td>
<td>1/8&quot;</td>
</tr>
<tr>
<td></td>
<td>5/16&quot; Steel Ulltsecon</td>
<td>Concrete (min. 3.5 ksi)</td>
<td>3/16&quot;</td>
</tr>
</tbody>
</table>

### Notes:
1. FOR BACK DIMENSIONS, SUBTRACT 1" FROM WINDOW WIDTH OR HEIGHT.
2. "MIT" = MEETING RAIL.
3. FOR REFERENCE TO SASH, REFERENCE TO SASH VISIBLE LIGHT HEIGHT.
4. FOR SIZES NOT SHOWN, ROUND TO THE NEAREST AVAILABLE WIDTH OR HEIGHT.
5. SEE SHEET 3 FOR INSTALLATION DETAILS.

### SASH VISIBLE LIGHT FORMULA:
- WIDTH = WINDOW WIDTH - 4.875" HIGHT = SASH HEIGHT - 4.295"
- FIXED: VISIBLE LIGHT FORMULA: WIDTH = WINDOW WIDTH - 3.5" HIGHT = WINDOW HEIGHT - SASH HEIGHT - 3.375"

### Material Properties:
- Elico UltraComb: 125 ksi, 177 ksi
- 410 SS Elico CretaFlex: 127.4 ksi, 169.7 ksi

### Revision:
- UPDATED ANCHOR QUANTITY TABLE.

### Diagram:
- Figure A: SASH CROSS SECTION (WITH INSULATED GLASS)
- SASH VISIBLE LIGHT HEIGHT
- SASH HEIGHT: 30-1/2 MAX.