Nan Ya Plastics Corporation USA
8989 North Loop East, Suite 800
Houston, TX 77029

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.

Description: Series "18P" PVC/Fiberglass Outswing glazed Doors (OXX or XX) – LMI

Approval Document: Drawing No. NAYT003 Rev H, titled "18P Impact 8" Outswing Glazed PVC/Fiberglass Door (OXX or XX)", sheets 1 through 9 of 9, dated 04/03/06 and last revised on 08/08/18, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, 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.

Limitations:
1. Full length wood reinforcement item #20, at lock-stiles and hinge Stiles are required.
2. See sheet 2 for rails & stiles sizes. Min door/ sidelite top rails = 4.37", min bottom rails = 7.63", min door / sidelite stiles = 6.52".

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", 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 #16-0811.07 consists of this page 1 and evidence page E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

Expiry Date: August 18, 2020
Approval Date: October 04, 2018
NOA No. 18-0815.15
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections (submitted under files See below).
2. Drawing No. NAYT003 Rev G, titled “18P Impact 8’ Outswing Glazed PVC/Fiberglass Door (OXX or XX)”, sheets 1 through 9 of 9, dated 04/03/06 and last revised on 09/30/16, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E.

B. TESTS (submitted under files #12-0612.17 /#11-0415.05/#06-0411.04)
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 3603.2 (b) and TAS 202-94
along with marked-up drawings and installation diagram of an outswing fiberglass double door, prepared by Certified Testing Laboratories, Inc., Test Report No. CTLA-1420W, dated 02/24/06, and addendum letter dated 07/18/06, and amended pages 1, 5, 6 and 7 of 12 dated 07/25/06, all signed and sealed by Ramesh C. Patel, P.E.
2. Reference test report # CTLA-2019W, dated 05/10/10 issued by Certified Testing Laboratories, Inc. for Forced Entry (FER) Test per TAS 202-94, signed and sealed by Ramesh C. Patel, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC 2014 (5th Edition), dated 07/20/16, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E.
2. Glazing complies w/ ASTME-1300-02, -04 and -09.

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

E. MATERIAL CERTIFICATIONS (submitted under files #12-0612.17/#11-0415.05)
1. Test report No.ETC-05-255-16776.1, prepared by ETC Laboratories, dated 07/06/06, issued to Nan Ya Plastics Corp., for their SMC Fiberglass material / ETC05033 per ASTMD-638-03 “4500 exposed Xenon Arch” & tensile strength ASTMD-638-03 “Tensile strength”, Smoke density per ASTMD2843-99, Rate of burning per ASTM-635-98 and “Self ignition” per ASTM1929-01, all signed and sealed by Joseph Labora Doldan, P.E.

[Signature]
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 18-0815.15
Expiration Date: August 18, 2020
Approval Date: October 04, 2018

E - 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (continue)


9. Notice of Acceptance No. #14-0423.15 issued to Eastman Chemical Company (MA) former Solutia Inc. for their “Saflex Clear or colored interlayer”, expiring on 11/11/18.

F. STATEMENTS (Except item #1, balanced submitted under files #12-0612.13)


2. Statement letter dated 07/28/2016, for standard equivalency of ASTM D635–98/03 conforming to FBC 2014 for above referenced test reports, issued by PTC, LLC, signed and sealed by Robert James Amoruso, P. E.

3. Certificate of Authority dated May 23, 1983, to transact business, issued to Nan Ya Plastic Corporation, USA issued by the State of Texas, signed by Secretary of State

4. Lab compliance letter as part of above test reports.

G. OTHER

1. This NOA revises & renews NOA # 12-0612.17, expiring on Aug 18, 2020.

2. Test proposal dated 05/09/05 approved by BCCO.

Ishfaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0815.15
Expiration Date: August 18, 2020
Approval Date: October 04, 2018
Nan Ya Plastics Corporation USA

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
   1. Drawing No. NAYT003 Rev H, titled “18P Impact 8’ Outswing Glazed PVC/Fiberglass Door (OXX or XX)”, sheets 1 through 9 of 9, dated 04/03/06 and last revised on 08/08/18, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E.
      Note: This revision consists of editorial FBC 2017 (6th edition) update notes, only.

B. TESTS
   1. None.

C. CALCULATIONS
   1. None.

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. #17-0712.05 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 compliance to FBC 2017 (6th Edition)and “No Financial interest”, dated August 08, 2018, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, P.E.

G. OTHER
   1. This NOA revises NOA No. 16-0811.07, expiring 08/18/20.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0815.15
Expiration Date: August 18, 2020
Approval Date: October 04, 2018

E - 3
Series "18P" Impact 8' Outswing Glazed PVC/Fiberglass Door (OXX or XX) - LMI

EXTERIOR VIEW
FIBERGLASS OUTSWING PATIO DOOR
OXX CONFIGURATION

GENERAL NOTES:
1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE HIGH VELOCITY HURRICANE ZONE (HVHZ) OF THE 6TH EDITION (2017) OF THE FLORIDA BUILDING CODE (FBC) - BUILDING AND RESIDENTIAL VOLUMES AT THE DESIGN PRESSURE(S) STATED HEREIN. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT # CTLA 1420W, DATED 2/24/06 & # CTLA 1420WA, DATED 7/18/06 AND ASSOCIATED LABORATORY STAMPED DRAWINGS AND WERE TESTED IN ACCORDANCE WITH TAS 201, TAS 202 AND TAS 203.
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE, MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.

(see next sheet for continuation.)

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PERFORMANCE RATINGS

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Robert J. Amoruso P.E., FL No. 49752

NAN YA PLASTICS CORPORATION
8989 NORTH LOOP EAST, HOUSTON, TX 77029

Series "18P" Impact 8" Outswing Glazed Door (OXX or XX)
ELEVATION AND GENERAL NOTES

1/9
GENERAL NOTES:

4. IN AREAS WHERE WIND-BORNE DEBRIS PROTECTION REQUIREMENTS EXIST, USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED.

5. MATERIALS:

5.1. DOOR FRAME MATERIAL: CELLULAR PVC HEAD, SILL & JAMBs (ETC-06-255-16777.1 DATED 04/26/06).

5.2. PANEL MATERIAL: RIGID PVC (ETC-05-255-17144.1 DATED 06/30/08), CELLULAR PVC (ETC-05-255-16777.1, DATED 04/26/06), FIBERGLASS SKIN (ETC-05-255-16776.1, MINIMUM 0.350 IN THICK) (ETC-06-255-17412.1, DATED 06/28/06) AND WOOD ENFORCEMENT (SG = 0.42).

5.3. LAMINATED GLAZING INTERLAYER: 0.090" PVF SAFLEX INTERLAYER BY EASTMAN CHEMICAL COMPANY (MA) PER NOA NO. 17-0712.05 (OR LATER COMPONENT APPROVAL).

6. DESIGNATIONS "X" AND "O" STANDS FOR THE FOLLOWING:

6.1. X: OPERABLE PANEL

6.2. O: FIXED PANEL

7. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS, MAXIMUM TOTAL ALLOWABLE SHIM STACK 1/4".

8. USE SILICONE SEALANT FOR PERIMETER SEAL AROUND EXTERIOR OF DOORS.

9. SEAL HEAD, SILL AND JAMB CORNERS WITH SMALL JOINT SEALER.

10. THE GLASS MEETS THE REQUIREMENTS OF ASTM E1300-04(a).

11. A 1/3 INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THE DESIGN OF THE PRODUCT(S) SHOWN HEREIN. WIND LOAD DURATION FACTOR (Cp = 1.0) ONLY APPLIES TO WOOD TO WOOD INSTALLATION AND HAS BEEN USED FOR WOOD ANCHOR DESIGN PER 2015 NDS.

12. IN ACCORDANCE WITH THE 6TH EDITION (2017) OF THE FLORIDA BUILDING AND RESIDENTIAL CODES, WOOD BUCKS SHALL HAVE BEEN PRESERVATIVE TREATED OR SHALL BE OF A DURABLE SPECIES.

ANCHORING NOTES:

1. 1/4" DIAMETER I.T.W. (ADVANCED THREADFORM TECHNOLOGY) TAPCON MUST BE OF SUFFICIENT LENGTH TO ACHIEVE 1" MINIMUM EMBEDMENT INTO MASONRY (JAMBS) AND 1 1/2" EMBEDMENT INTO CONCRETE (HEAD, SILL OR JAMBS). MINIMUM EDGE DISTANCE IS 2" IN MASONRY AND 1 1/2" IN CONCRETE.

2. #14 WOOD SCREW MUST BE OF SUFFICIENT LENGTH TO ACHIEVE 1 1/2" MINIMUM EMBEDMENT INTO WOOD FRAMING W/ 1" MINIMUM EDGE DISTANCE.

3. ALL INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIAL.

4. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HERIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

4.1. WOOD – P.T. SOUTHERN YELLOW PINE. MINIMUM SPECIFIC GRAVITY OF 0.55.

4.2. CONCRETE – MINIMUM COMpressive STRENGTH OF 2500 psi.

4.3. MASONRY (CMU OR HOLLOW BLOCK) – STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT/117 PCF DENSITY (OR GREATER) WITH COMpressive STRENGTH OF 1900 PSI MIN.

Robert J. Amgusko P.E., FNo. 49752
SIDELITE ATTACHMENT NOTES:

1. HEAD FROM FRAME SIDE INTO SIDELITE PANEL: (3) #10 x 3" PFH SMS SPACED 4 1/2" FROM EACH END AND (1) AT PANEL MID-SPAN.

2. SILL FROM FRAME SIDE INTO SIDELITE PANEL: (3) #10 x 2 1/2" PFH SMS SPACED 4 1/2" FROM EACH END AND (1) AT PANEL MID-SPAN.

3. JAMBS FROM FRAME SIDE INTO SIDELITE PANEL: #10 x 3" PFH SMS SPACED 4 1/2" FROM EACH END AND 22" MAXIMUM O.C. THEREAFTER.

Robert J. Amoroso, P.E., FL No. 49752

NAN YA PLASTICS CORPORATION
8999 NORTH LOOP EAST, HOUSTON TX 77029

Series "18P" Impact 8' Outswinging Glazed Door (OXV or XX) VERTICAL CROSS SECTION

INACTIVE DOOR HEAD OXX (W/MULLION SHOWN)
INACTIVE DOOR HEAD XX (MULLION N/A)
<table>
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<th>MANUFACTURER</th>
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<tr>
<td>2(4)</td>
<td>7/8&quot; X 5/8&quot; STILE (ONE FOR MULTI-POINT LOCK)</td>
<td>FOAM PVC FTU = 6.019 PSI</td>
<td>NAN YA PLASTICS CORP.</td>
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<td>4</td>
<td>4.6 TOP / BOTTOM Rail</td>
<td>FOAM PVC FTU = 6.019 PSI</td>
<td>NAN YA PLASTICS CORP.</td>
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<td>5</td>
<td>3 1/2&quot; ROL. WOOD-B</td>
<td>WHITE PINE MIN. SG = 0.42</td>
<td>DAN-CHANG ENTERPRISE CO., LTD.</td>
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<td>2 ROSETTE Pair</td>
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<td>7</td>
<td>8,12 GLAZING BEAD</td>
<td>RIGID PVC FTU = 6.140PSI</td>
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<td>3 HEAD FRAME &amp; JAMB</td>
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<td>5 HEAD FRAME, JAMB &amp; STAIRS A</td>
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<td>1 OUTSWING SILL-B</td>
<td>ALUMINUM</td>
<td>SHANG YIH BAR ALUM. CO., LTD.</td>
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<td>2 (2) POURED IN STAIRS</td>
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<td>2 CORNER PAD</td>
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<td>1 3/4&quot; X 5/8&quot; STILE</td>
<td>14GA STAINLESS STEEL</td>
<td>KOYU-YA STAINLESS CO., LTD.</td>
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<td>2 CORNER KEY</td>
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<tr>
<td>48</td>
<td>36.52&quot; #9 X 2 PHILLIPS FLAT HEAD SMS</td>
<td>STEEL</td>
<td>JOHN CHEN SCREW IND CO., LTD.</td>
</tr>
<tr>
<td>49</td>
<td>1&quot; X 1&quot; PHILLIPS FLAT HEAD SMS</td>
<td>STEEL</td>
<td>JOHN CHEN SCREW IND CO., LTD.</td>
</tr>
</tbody>
</table>

BILLYM MATERIALS

- 0.090 SAFELEX PVB INTERLAYER BY EASTMAN CHEMICAL CO. (MA).
- 2(1) 1/8" ANNEALED GLASS.
- 1" O.A. INSULATED LAMINATED GLASS CONSISTING OF: 125" LOE2 SERIES 172 TEMPERED GLASS OUTSIDE, .500 ARGON FILLED AIRSPACE, .125 ANNEALED GLASS, 0.090 SAFELEX PVB INTERLAYER BY EASTMAN CHEMICAL CO. (MA), 125" ANNEALED GLASS (INT) BY CARDINAL GLASS

GLAZING DETAIL A

DOW CORNING 995 SILICONE STRUCTURAL SEALANT

ALUMINUM SPACER XL EDGE 201 SS

BY CARDINAL GLASS

Robert J. Amoruso P.E.
FL No. 49752

NAN YA PLASTICS CORPORATION
9899 NORTH LOOP EAST, HOUSTON, TX 77029

Series "TIP" Impact 8 Outside Glazed Door (OX or XX)
BILL OF MATERIALS

H UPDATE TO 6TH ED. (2017) FBC
G REVISED PER NO LETTER DATED 9/25/16
F UPDATE TO 5TH ED. (2014) FBC
E UPDATE TO 2010 FBC
D BLK DATE 04/03/06
N.T.S. N.D. N.C. NA
REV NO. 8 OF 9

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