NOTICE OF ACCEPTANCE (NOA)

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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Nan Ya Series Twin Mulled Fiberglass Fixed Panels—LMI

LIMITATION: 1. The system is approved with .090” Solutia PVB interlayer.
2. Rail item #16 must be full panel width & stiles item # 17 must be full panel length
3. The 5/16” ITW Tapcon at mullion clip at head/Sill must have min edge distance = 3-1/8” into min 3192 psi compressive strength concrete.

APPROVAL DOCUMENT: Drawing No. NAN0016, titled “Impact Twin Mulled Fixed Lite Panels”, sheets 1 through 7 of 7, dated 11/07/08 and last revised on 03-05-09, prepared by PTC, LLC, signed and sealed by Paul E. Winter, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

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 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 consists of this page 1 and evidence page E-1 and E-2, as well as approval document mentioned above.

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

NOA No 08-1118.09
Expiration Date: April 29, 2014
Approval Date: April 29, 2009
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections.
2. Drawing No. NAN0016, titled "Impact Twin Mulled Fixed Lite Panels", sheets 1 through 7 of 7, dated 11/07/08 and last revised on 03-05-09, prepared by PTC, LLC, signed and sealed by Paul E. Winter, 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, TAS 202-94
along with marked-up drawings and installation diagram of Fiberglass mulled Fixed panels (O-O) and Fixed sidelite w/ Doors (O-XXX), prepared by Certified Testing Laboratories, Test Report No(s). CTLA 1780W-1 dated 03/06/08 and CTLA 1780W-2, dated 03/06/08 respectively, both signed and sealed by Ramesh Patel, P.E.
Note: The above test report has been revised by an addendum issued by Certified Testing Lab on 02/25/09, signed & sealed by Ramesh Patel, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, prepared by PTC Engineering, Inc., dated 03/05/09, signed and sealed by Paul E. Winter, P.E.
2. Successor Engineer's letter dated 03/03/09, prepared, signed and sealed by Paul E. Winter, P.E.
3. Anchor verification calculations and structural analysis, prepared by PTC Engineering, Inc., dated 4/21/08, signed and sealed by Douglas J. McDougall, P.E.

D. QUALITY ASSURANCE

E. MATERIAL CERTIFICATIONS
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 ASTM D-638-03 "4500 exposed Xenon Arch" & tensile strength ASTM D-638-03 "Tensile strength", Smoke density per ASTM D2843-99, Rate of burning per ASTM D-635-98 and "Self ignition" per ASTM 1929-01, all signed and sealed by Joseph Labora Doldan, P.E.

Ishaq J. Chanda, P.E.
Product Control Examiner
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E. MATERIAL CERTIFICATIONS (continue)


8. Notice of Acceptance No. 09-0127.13, for "Interlayer for laminated glass" by Solutia, expiring 03-04-2014.

F. STATEMENTS

1. Statement letter dated 03/03/2009 being successor Engineer, prepared, signed and sealed by Paul E. Winter, P.E.

2. Statement letter of conformance and no financial interest, issued by PTC, dated 03/05/09, signed and sealed by Paul E. Winter, P.E.

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

G. OTHER

1. Test proposal # 07-3867 dated 11/27/2006 approved by BCCO.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 08-1118.09
Expiration Date: April 29, 2014
Approval Date: April 29, 2009
NAN YA PLASTICS CORP.
IMPACT TWIN MULLED FIXED LITE PANELS
INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:
1. THE PRODUCT SHOWN IS DESIGNED TO COMPLY WITH
THE HVHZ 2004 AND 2007 FLORIDA BUILDING CODE (FBC) AT THE
DESIGN PRESSURES STATED HEREIN.  
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON
SIGNED AND SEALED TEST REPORTS # CTLA 1786W-1 DATED
03/06/08 AND ASSOCIATED LABORATORY STAMPED DRAWINGS.
3. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE
MASONRY AND 2X FRAMING AS A MAIN WIND FORCE
RESISTING SYSTEM CAPABLE OF WITHSTANDING AND
TRANSFERRING APPLIED LOADS TO THE
STRUCTURE IS THE RESPONSIBILITY OF THE ENGINEER
OR ARCHITECT OF RECORD AND TO BE REVIEWED BY
AUTHORITY HAVING JURISDICTION (AHJ).
4. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND
ANCHORED TO PROPERLY TRANSFER THE LOADS TO
THE STRUCTURE. Buck design and installation is the
responsibility of the engineer or architect of record
and to be reviewed by authority having jurisdiction
(AHJ).
5. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC
AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC
SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE
FROM THE REQUIREMENTS DETAILED HEREIN, THEN THE
BUILDING OFFICIAL MAY ELECT ONE OF THE FOLLOWING OPTIONS:
A. OUTSIDE HVHZ: REQUIRE THAT A LICENSED
ENGINEER OR ARCHITECT PREPARE AND SUBMIT
SITE SPECIFIC DOCUMENTS FOR USE WITH THIS
DOCUMENT TO BE REVIEWED BY AUTHORITY HAVING
JURISDICTION (AHJ).
B. INSIDE HVHZ: REQUIRE THAT A ONE-TIME SITE
SPECIFIC APPROVAL BE APPLIED FOR AND OBTAINED
FROM THE MIAMI-DADE COUNTY PRODUCT CONTROL
DIVISION.

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INSTALLATION NOTES:
1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH
ANCHOR LOCATION SHOWN. 
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS
THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR
PRODUCT INSTALLATION. ANCHORS ARE TO MATCH
TYPE, SIZE AND EMBEDMENT OF THOSE SHOWN HEREIN
FOR RESPECTIVE SUBSTRATE.
3. SHM AS SHOWN IN EACH INSTALLATION ANCHOR
LOAD BEARING SHM(S). MAXIMUM ALLOWABLE
SHM SIZE IS 1/4 INCH. SHM WHERE SPACE OF 1/16 INCH
OR GREATER OCCURS. SHM(S) SHALL BE CONSTRUCTED
OF HIGH DENSITY PLASTIC OR BETTER.
4. FOR INSTALLATION INTO WOOD FRAMING, USE
#12 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE
1-1/2 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 3/4
INCH. USE #2 WOOD SCREWS FOR MULLION CLIPS WITH
1-1/2 INCH MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 7/8 INCH.
5. FOR INSTALLATION THROUGH 1X BUCK (TO BE PROPERLY
SECURED) TO CONCRETE / MASONRY, USE 1/4 INCH ITW
TAPCONS OF SUFFICIENT LENGTH TO ACHIEVE 1-1/4 INCH
MINIMUM EMBEDMENT. MINIMUM EDGE DISTANCE IS 2-1/2
INCHES. USE #10 INCH ITW TAPCONS FOR ANCHORS
THROUGH MULLION CLIPS WITH 1-1/4 INCH MINIMUM
EMBEDMENT. MINIMUM EDGE DISTANCE IS 4 INCHES
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE
WALL FINISHES (INCLUDING BUT NOT LIMITED TO
STUCCO, FOAM, BRICK VENEER AND SIDING).
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE
MUST BE MADE OF CORROSION RESISTANT MATERIAL OR
HAVE A CORROSION RESISTANT COATING.
8. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT
INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
EDGE DISTANCE IS MEASURED FROM FREE EDGE OF
BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF
BLOCK.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN
ACCORDANCE WITH ARCHITECT MANUFACTURER'S
INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT
BE USED IN SUBSTRATES WITH STRESSES LESS THAN
THE MINIMUM STRENGTH SPECIFIED BY THE ARCHITECT
MANUFACTURER.
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS
HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE
FOLLOWING PROPERTIES:
A. WOOD - PT SOUTHERN YELLOW PINE, MINIMUM
SPECIFIC GRAVITY OF 0.55.
B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH
OF 3150 PSI AND COMPLIES WITH ACI 301, ACI 318-05
AND ACI 355.
C. MASONRY - STRENGTH CONFORMANCE TO ASTM
C-599 AND ACI 350-05, GRADE N, TYPE I (OR
GREATER)

APPROVED AS COMPLIANT WITH THE
FLORIDA BUILDING CODE
NOAB 12/23/04
Miami-Dade Product Control
Division

DESIGN PRESSURE RATING (PSF) IMPACT RATING
WHERE WATER INFILTRATION REQUIREMENT IS NEEDED WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED LARGE MISSILE IMPACT
<70.0 <70.0 IMPACT 1

Approved by: [Signature]
Date: [Date]

[Stamp: Miami-Dade Product Control Division]