NOTICE OF ACCEPTANCE (NOA)

Trulite Glass & Aluminum Solution, LLC
8130 N. W. 74th Ave
Medley, FL 33166

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 PERA - 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. PERA 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: “NS 200 Series” Outswing Aluminum Entrance Door w/wo Transom – N.I.

APPROVAL DOCUMENT: Drawing No. AD15-21 (Former AD-12-53), titled “NS-200 Alum Narrow Stile Outswing Door w/wo Transom-Non-Impact”, sheets 1 through 9 of 9, dated FEB 27, 2018, prepared, signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and revision date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None, approved Hurricane Protection Devices, complying w/ FBC required Limitations:
1. See applicable Door Design Pressure & hardware options in sheets 1.
2. See applicable Door w/ Transom’s Design Pressure & hardware options in sheets 2.
3. Max. 41-1/2” transom is applicable with door height=84” max and lock option1, see sheet 2.
4. Not rated where water resistant requirement is needed.
5. Mid-Rail option when used, is limited to DP= +/-40 PSF.

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 # 15-0727.04 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous files

A. DRAWINGS
   1. Manufacturer's die drawings and sections (see file reference below)
   2. Drawing No. AD15-21 (Former AD-12-53), titled "NS-200 Alum Narrow Stile Outswing Door w/wo Transom-Non-Impact", sheets 1 through 9 of 9, dated JUL 17, 2015, prepared, signed and sealed by Yiping Wang, P.E.

B. TESTS (submitted under file #12-0627.08)
   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 (Not performed)
      4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
   along with marked-up drawings and installation diagram of an outswing aluminum entrance door w/wo Transoms, prepared by Architectural Testing, Test Report No(s). C0566.01-550-18, dated 12/19/12, C0566.01-550-18, dated 12/21/12 and C0566.03-550-18, dated 01/04/13, all signed and sealed by Vinu Abraham, P.E.
   Note: The above test reports have addendum letter dated April 18, 2013, issued by Architectural Testing lab, signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS
   1. Anchor verification calculations and structural analysis, complying with FBC2014(5th Edition), prepared by MCY Engineering, Inc., dated JUL 17, 2015, signed and sealed by Yiping Wang, P.E.
   2. Glazing complies w/ ASTME-1300-02, -04 & -09.

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

E. MATERIAL CERTIFICATIONS(submitted under file #12-0627.08)
   1. Technical cut sheet of EPDM glazing gasket compliance per ASTM-864 issued to Teremco, Inc by Excel Polymers, LLC (Development Lab).
   2. Technical cut sheet of EPDM glazing gasket compliance per ASTM-864 issued by Glazing Rubber Products Inc.

F. STATEMENTS
   1. Statement letter of conformance to FBC 2014 (5th Edition) and no financial interest, prepared by MCY Engineering, Inc., dated JUN 18, 2015, signed and sealed by Yiping Wang, P.E.
   2. Statement letter of Lab compliance, part of above referenced test reports.

G. OTHER
   1. This NOA revises & renews NOA # 12-0627.08.
   2. Test Proposal # 12-0759 dated June 05, 2012, issued by PERA.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1017.18
Expiration Date: July 25, 2023
Approval Date: March 08, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
   1. Drawing No. AD15-21 (Former AD-12-53), titled “NS-200 Alum Narrow Stile Outswing Door w/wo Transom-Non-Impact”, sheets 1 through 9 of 9, dated FEB 27, 2018, prepared, signed and sealed by Yiping Wang, P. E.

B. Test
   1. None.

C. CALCULATIONS

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

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS

G. OTHER
   1. This NOA revises # 15-0727.04, expiring 07/25/23.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1017.18
Expiration Date: July 25, 2023
Approval Date: March 08, 2018
SERIES NS-200 NARROW STILE DOOR

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 6TH EDITION (2017) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

- DOORS ARE RATED NON-IMPACT. INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLIES WITH HVHZ REQUIREMENTS.

- INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA MUST MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

- DOORS NOT RATED FOR WATER INFILTRATION. MUST BE INSTALLED AT LOCATIONS PROTECTED BY AN OVERHANG MEETING CRITERIA AS PER ILLUSTRATION ON THE RIGHT OF THIS SHEET OR IN NON-HABITABLE AREAS WHERE WATER INFILTRATION IS ACCEPTABLE.

- 1X OR 2X WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

- A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 6TH EDITION (2017) SECTION AS APPLICABLE.

- ULTIMATE LOAD OBTAINED FROM ASCE 7-10, MULTIPLY BY 0.8 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIG LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

- APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

NOTE:
1. UNITS MUST BE INSTALLED AT LOCATIONS PROTECTED BY AN OVERHANG MEETING CRITERIA AS PER ILLUSTRATION ABOVE OR IN NON-HABITABLE AREAS WHERE WATER INFILTRATION IS ACCEPTABLE.
TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A:
1/4" DIA. ULTRACON (Fu=177ksi Fy=120ksi)
OR 1/4" DIA. TAPCON (Fu=120ksi Fy=92ksi)
THRU 1BY OR 2BY WOOD BUCKS INTO MASONRY OR CONC.
1-1/4" MIN. EMBED INTO MASONRY OR CONC.
1-1/2" MIN. EMBED INTO 2X WOOD BUCKS OR WOOD STRUCTURAL

TYPE B:
1/4" DIA. ULTRACON (Fu=177ksi Fy=120ksi)
OR 1/4" DIA. TAPCON (Fu=120ksi Fy=92ksi)
DIRECTLY INTO MASONRY OR CONCRETE
1-1/4" MIN. EMBED INTO CONCRETE

TYPE C:
1/4" TEKS OR SELF DRILLING SCREWS (GRADE 5 Fu=120ksi Fy=92ksi)
INTO METAL STRUCTURES
STEEL: 1/8" MIN. THICKNESS (FY = 36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
MIN. EDGE DISTANCES
INTO CONCRETE AND MASONRY = 2 1/2" (1/4" SHIMS)
INTO WOOD STRUCTURE = 1"
INTO METAL STRUCTURE = 3/4"
CONCRETE f'c = 3000 PSI MIN.
MASONRY f' = 2000 PSI MIN.

SEALANTS:
ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH CLEAR SEALANT.

LOCKS:
LOCK OPTION 1: (36) L1A: MANUAL FLUSH BOLT (24669) - INACTIVE PANEL
L1B: MS LOCK (26093) - ACTIVE PANEL
LOCK OPTION 2: (36) L2: AHT SERIES-8000 CVR DEVICE (2363X) - ACTIVE/INACTIVE PANELS

HINGES: SEE DETAILS (H) H2 A & H3 ON PAGE 6 OF 9
HINGE OPTION 1: (41) H1: 4 1/2" BUTT HINGE (26298)
9 1/4" FROM TOP & BOTTOM
(ONE AT CENTER FOR DOOR HEIGHT GREATER THAN 84")
HINGE OPTION 2: (40) H2: OFFSET CAST ALUMINUM PIVOT HINGES
TOP (21274)
BOTTOM (21273)
TOP FRAME (21275)
HINGE OPTION 3: (42) H3: CONTINUOUS ALUMINUM GEAR (60095)

1X OR 2X WOOD BUCKS AND METAL STRUCTURES BY OTHERS MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEMS AND TRANSFER THEM TO THE BUILDING STRUCTURE.
Hinges shown are image only. Actual product may vary.

Hinge Option 1: (20298)
4-1/2" Steel Butt Hinge
(See Sheet 3 for location)

Hinge Option 2:
Offset Pivot Hinge
Top (21274)
Bottom (21273)
Midspan (2456X)
(See Sheet 3 for location)

Hinge Option 3: (6009X)
Concealed Alum. Continuous Geared Hinge
(See Sheet 3 for location)

#12 FH Machine Screws 4
1-1/2" x 1/2"
Thk. 8" Long Alum, Tex=1-1/8" Plate at hinge locations

1/4" Max. Shim Space, Frame Width
(See Elevations)
1-3/4" for 11
2" for 12
D.L.O.

1/4" Max. Shim Space, Frame Width
(See Elevations)
1-3/4" for 11
2" for 12
D.L.O.

2" by Wood Buck or Wood Structure

14 G A

MIN. Embed
EDGE DISTANCE

TYP.
11 OR 12
29

EXT.

J

EXTERIOR

OPTION WITH 1" Insulated Glass
At Transom

1/4" Tempered Glass
At Transom
## BILL OF MATERIALS

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<thead>
<tr>
<th>ITEM</th>
<th>PART #</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<td>(TOP)</td>
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