Horton Automatics Division of Overhead Door
4242 Baldwin Boulevard
Corpus Christi, TX 78405

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 “110” (O-Sx-Sx-O) and Series “310” (So-Sx-Sx-So) and (So-Sx) Aluminum Automatic Sliding Door (Steel Reinforced) w/ Breakout-LMI

APPROVAL DOCUMENT: Drawing No. 040302-L Rev 3, titled “Series 110/310 Large Missile Impact”, sheets 1 through 8 of 8, prepared by manufacturer, dated 03/02/04 and last revised on 10-08-18, signed and sealed by John E. Seates, 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

Limitations:
1. Series 110 (O-Sx-Sx-O) is rated at DP= +/- 55 PSF w/Fixed Push bar & AR top/bottom Flush bolts w/MS18505 lock, having Max 4-panels (192"Wx104"H unit). The Series 310 (So-Sx-Sx-So) with AR G-86 panic device is limited to DP = +/- 45 PSF & max unit size 168" WX 96H. See sheet 3 for glazing details
2. Applicable O-Sx or So-Sx is qualified w/max unit size 96"Wx104" H with hardware limitations.
3. Not approved where water infiltration is required.
4. Electrical/ Electronic functions are not part of this approval and to be reviewed by appropriate Bldg. official.
5. Anchors referenced at Equal spacing must not exceed 12" unless otherwise noted.

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", 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 #17-0828.07, 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.
Horton Automatics Division of Overhead Door

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS
1. Manufacturer's die drawings and sections (Submitted under files below).
2. Drawing No. 040302-L Rev 2, titled "Series 110/310 Large Missile Impact", sheets 1 through 8 of 8, prepared by manufacturer, dated 03/02/04 and last revised on 04/08/16, signed and sealed by John E. Scates, P.E.

B. TESTS (Submitted under files #15-0922.14/#14-0602.05/#12-0801.07/# 09-0624.04)
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 (Not conducted)
   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 installation diagram of aluminum automatic sliding glass doors, prepared by Hurricane Testing Laboratories, Test Report No(s) HTL-0322-0908-03 (Sp# 6 &7), HTL-0322-0611-03 (Sp # 1 &2), HTL-0322-0119-04 9 (sp#1), all signed and sealed dated 02/16/04 by Vinu J. Abraham, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis complying w/ FBC 2014 (5th edition), dated 09/11/15, prepared, signed and sealed by John E. Scates, 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
2. Technical data sheet for glazing bead item # 57, ExxonMobil Chemical’s Santoprene™ 121-67W175 thermoplastic, extruded by Central Chemical Inc.

F. STATEMENTS
2. Addendum letter dated 06-12-08, issued by Hurricane Testing lab, signed and sealed by Vinu Abraham, P. E.
3. Lab compliance as part of the above referenced test report.

G. OTHER
1. This NOA revises & renews #14-0602.05, expiring 07/15/23.

2. Evidence submitted under previous approvals (#17-0828.07).

A. DRAWINGS
1. None.

B. TESTS
1. None.

   [Signature]

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-1025.13
Expiration Date: July 15, 2023
Approval Date: December 20, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. Evidence submitted under previous approvals (continue):

C. CALCULATIONS
   1. None

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

E. MATERIAL CERTIFICATIONS
   2. Technical data sheet for glazing bead item # 57, ExxonMobil Chemical’s Santoprene™ 121-67W175 thermoplastic, extruded by Central Chemical Inc.

F. STATEMENTS

G. OTHER
   1. This NOA revises NOA # 15-0922.14, expiring 07/15/2023.

1. New Evidence submitted

A. DRAWINGS
   1. Drawing No. 040302-L Rev 3, titled “Series 110/310 Large Missile Impact”, sheets 1 through 8 of 8, prepared by manufacturer, dated 03/02/04 and last revised on 10-08-18, signed and sealed by John E. Scates, P.E., (Note: This revision consists of updating setting block at glazing detail)

B. TESTS
   1. None

C. CALCULATIONS
   1. None

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 18-0611.01 issued to OldCastle Building Envelope (NJ) for “Stromglass laminated glass: Saflex-CP composite glass interlayer w/ PETcore”, expiring on 11/11/23.

F. STATEMENTS (submitted under #17-0828.07)

G. OTHER
   1. This NOA revises NOA # 17-0828.07, expiring 07/15/2023

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-1025.13
Expiration Date: July 15, 2023
Approval Date: December 20, 2018
TYPE 110 & 310 Header
(Refer to Faceplate Location)

- **HEADER**
  - **Steel (0.125" Thick, Fy=36 KSI)**
  - **INTERCORP #14**
  - Steel HWI Self-Drilling Screw, 0.625" Min. Edge Distance (Full Thread Engagement)
  - Aluminum (0.125" Thick Min./6063-T6) 1/4" - 1/4" - 1/4" Sheetmetal Screw, 1/4" Min. Edge Distance.
  - **(Full Thread Engagement)**
  - **Metal**
    - **Steel (0.125" Thick, Fy=36 KSI)**
    - **TW TKDS SCREW #14 - 20, FH w/WINGS Self-Drilling Screw 0.625" Minimum Edge Distance**
    - **Concrete (3350 psi)**
    - Crete-Flex SS4 1/4" FH Concrete Screw/Anchor, 1.25" Embed, 2.5" Min. Edge Distance.
    - Masonry (Solid CMU/Block)
    - Crete-Flex SS4 1/4" FH Concrete Screw/Anchor, 1.25" Embed, 2.5" Min. Edge Distance.
    - **Aluminum (0.125" Thick Minimum/6063-T5)**
    - 1/4" - 1/4" - 1/4" Sheetmetal Screw, 1 Min. Edge Distance.
    - **Wood (2 SPF) - 1/4" x 4" Long Lag Bolt**
    - 2.75" Minimum Penetration, 1 Minimum Edge Distance (Edge) 2.80 W/ Min 0.60 = .55

- **THRESHOLD**
  - **Steel (0.125" Thick, Fy=36 KSI)**
  - **TW TKDS SCREW #14 - 20 PTH w/Wings Self-Drilling Screw, 0.625" Minimum Edge Distance (Full Thread Engagement)**
  - **Concrete (3350 psi)**
  - Crete-Flex SS4 FH 1/4" Concrete Screw 1.75" Embed, 2.5" Minimum Edge Distance.
  - **Aluminum (0.125" Thick Minimum/6063-T5)**
  - 1/4" - 1/4" - 1/4" Sheetmetal Screw, 1 Minimum Edge Distance (Full Thread Engagement)

The frame must be shimmed with a type of shim complying with the Florida Building Code and capable of resisting the frame's rotation—1/4" thick. Max.

The 4/5 increase stress factor for wind loads was not used in the anchor calculations.
Series 310 & 110 Large Missile Impact

ALL EXTRUSIONS ARE 6063-T5 UNLESS OTHERWISE NOTED & t min=1/8"