Coastal Innovative Products, Inc., dba Lanai Doors
941 N. Alm Street Suite-C
Orange, CA. 92867

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: LANAI Series Aluminum In folding Doors—L.M.I.

APPROVAL DOCUMENT: Drawing No. CIP002 Rev D, titled “E-3 Hurricane” Bi-folding Door”, sheets 1 through 11 of 11, prepared by Building Drops Inc., dated 02/21/12 and last revised on 11-08-2017, signed and sealed by Hermes F. Norero, 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. Not rated for water infiltration, unless overhang or canopy complying w/ FBC requirement is provided.
2. See Recess threshold detail for Low Rise and Flush Sill into wood substrate and concrete substrate in sheet 11.
3. Insulated glass interlayer “Sentryglas” by Kurrary America Inc. (Formally known DuPont De Nemours & Co.).
4. Steel stud installation to be reviewed by AHJ for structural adequacy and code requirements.

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# 16-0303.02 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.

NOA No. 17-1212.27
Expiration Date: July 21, 2021
Approval Date: February 08, 2018
Coastal Innovative Products, Inc., dba Lanai Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
1. Manufacturer’s die drawings and sections (Submitted under files listed below)
2. Drawing No. CIP002 Rev C, titled “E-3 Hurricane” Bi-folding Door”, sheets 1 through 11 of 11, prepared by Building Drops Inc., dated 10/06/10 and last revised on 08-26-2015, signed and sealed by Hermes F. Norero, P.E.

B. TESTS (Submitted under files #14-0910.08/#12-0326.10/#10-1019.01)
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 marked-up drawings and installation diagram of Infolding aluminum doors, prepared by Architectural Testing, Test Report No. A0896.02-301-18, dated 09/29/10, signed and sealed by Joseph A. Reed, P. E.

Additional Referenced test report, along w/ marked-up drawings and installation diagram of out folding aluminum doors, prepared by Architectural Testing, Test Report No. A0896.01-301-18, dated 09/29/10, signed and sealed by Joseph A. Reed, P. E., this outfolding was supplemented by an addendum letter dtd 02/01/11 by Architectural Testing, signed & sealed by Joseph A. Reed, P. E.

C. CALCULATIONS (Submitted under files #14-0910.08)
1. Anchor verification calculations and comparative analysis complying with FBC-2014(5th Edition) and “No financial interest”, prepared by Building Drops Inc., dated 08/26/15, signed and sealed by Hermes F. Norero, P.E.
2. Glazing complies w/ ASTM-1300-02, -04 & -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. (Former E.I. DuPont DeNemours & Co., Inc. for the “Sentry Glass® (Clear and White) Glass Interlayers”, expiring on 07/04/18.
2. Thermoplastic properties of Santoprene 101-64 per ASTM D 412, ASTM D 395, ASTM D 624 and ASTM D 792 (Submitted under file #10-1019.02)

F. STATEMENTS
2. Fictitious Business name (Lanai Doors) dated 07/10/2012, issued to Coastal Innovative Inc., issued by Orange County Clerk-Recorder, State of California.
3. Lab compliance as part of the above referenced test report.

G. OTHER
1. This NOA renews NOA #14-0910.08, expiring on 07/21/21.
2. Test proposal #10-0393, dated June 14, 2010, approved by BCCO.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1212.27
Expiration Date: July 21, 2021
Approval Date: February 08, 2018
Coastal Innovative Products, Inc., dba Lanai Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED


A. DRAWINGS
   1. Drawing No. CIP002 Rev D, titled “E-3 Hurricane” Bi-folding Door”, sheets 1 through 11 of 11, prepared by Building Drops Inc., dated 02/21/12 and last revised on 11-08-2017, signed and sealed by Hermes F. Norero, P.E.
   Note: This revision consist of editorial changes for FBC2017 (6th Edition) code compliance.

B. Test
   1. None.

C. CALCULATIONS
   1. None

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

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS
   2. E-mail Statement letter of extent of editorial drawing revisions, dated 01/30/18, prepared by Building Drops Inc., signed by Spencer Moore, Project Engineer.

G. OTHER
   1. This NOA revises # 16-0303.02, expiring 07/21/21.

Ishaq L. Chanda, P.E.
Product Control Examiner
NOA No. 17-1212.27
Expiration Date: July 21, 2021
Approval Date: February 08, 2018
COASTAL INNOVATIVE PRODUCTS
LANAI SERIES E3 HURRICANE
INWARD OPENING BI-FOLD DOOR

GENERAL NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 FLORIDA BUILDING CODE (FBC), INCLUDING HVAC AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   • TAS 201-94
   • TAS 202-94
   • TAS 203-94
2. ACCURACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN BUILD LOAD IMPACT RESISTANCE SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 3X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BLOCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEPART FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT FOR NON-HVHZ AREA, INSTALLATION TO BE REVIEWED BY AHJ (AUTHORITY HAVING JURISDICTION).
5. DEVIATION FROM THE APPROVED NOA IN HVHZ AREA REQUIRE AN ONE TIME APPROVAL FROM MIAMI-DADE COUNTY.
6. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
7. DOOR FRAME MATERIAL: ALUMINUM 6060-T5
8. GLASS MEETS THE REQUIREMENTS OF ASTM E-330 GLASS CHARTS. SEE SHEET 4 FOR GLAZING DETAILS.
9. SILICONE SEALANT TO BE APPLIED BETWEEN GLASS AND FRAME AND BETWEEN FRAME CORNERS AND PANEL CORNERS.
10. FOR INSTALLATION OF LOW-RISE SII, THIS WOOD BUCK OR CONCRETE MUST BE RECEIVED AND/OR ROUTED TO ACCOMMODATE THESE COMPONENTS PRIOR TO INSTALLATION.

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*UNIT SHALL BE INSTALLED AT LOCATION PROTECTED BY OVERHANG SUCH THE OVERHANG RATIO (OR) = 1 ON LENGTH/HEIGHT GREATER THAN 1.0 WHERE WATER INFLTRATION IS REQUIRED.
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**Bill of Materials Diagram**

1. FRAME SEAL
   - Q-LON
2. HEADER
   - AL 6063-T5
3. LOWRISE THRESHOLD
   - AL 6063-T5
4. FLUSH GUIDE THRESHOLD
   - AL 6063-T5
5. DOOR SEAL
   - Q-LON
6. JAMB
   - AL 6063-T5

**Product Details**

1. MIN. DUROMETER (SHORE A HARDNESS): 64
2. MIN. TENSILE STRENGTH: 11 ksi
3. COMPRESSION SET: 2.5%
4. YEARD STRENGTH: 90,000 psi
5. ELONGATION: N/A
6. SPECIFIC GRAVITY: MIN. 0.96
NOTES:
1. MAXIMUM PANEL SIZE: 36" X 90".
2. END PANEL HARDWARE:
   A. ODD TO ODD PANELS (I.E. 3L4 CONFIG.) - REQUIRE 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (93) OR (94) AND 2-PT LOCK (ITEM 16) ON THE STRIKE-PLATE PANEL (93R OR 94L).
   B. ODD TO EVEN PANELS (I.E. 3L2R CONFIG.) - REQUIRE 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (93L) AND ONE END CARRIER (ITEM 21) (2R).
   C. EVEN TO EVEN PANELS (I.E. 2L4R CONFIG.) - REQUIRE ONE END CARRIER (ITEM 21) ON BOTH PANELS (93L AND 94R).
   D. ODD PANEL INTO JAMB (I.E. 5L CONFIG.) - REQUIRE EITHER 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (93L).
   E. EVEN PANEL INTO JAMB (I.E. 5L CONFIG.) - REQUIRE ONE END CARRIER (ITEM 21) (93R).
3. HINGED JAMB PANELS - ALL HINGED PANELS REQUIRE THREE HINGES (ITEM 19) AND TWO 2-PT LOCKS (ITEM 16).
4. CARRIER JOINT PANELS - ALL EVEN NUMBERED PANELS REQUIRE AN ICS (ITEM 20) AT THE TOP OF THE PANEL, A HINGE (ITEM 20) IN THE CENTER AND A CONCEALED INTERMEDIATE GUIDE (ITEM 20) AT THE BOTTOM.
LOW-RISE SILL DETAIL

(2) 2"X8 WOOD BUCK BY OTHERS BY OTHERS
(SEE GENERAL NOTE S, 10, & INSTALL NOTE 13)
#14 WOOD SCREW INSTALLATION ANCHOR

1.000"  0.480"  1.094"  1.497"
1" MIN. EDGE DISTANCE

EXTERIOR

INTERIOR

U

FLUSH SILL DETAIL

(2) 2"X8 WOOD BUCK BY OTHERS BY OTHERS
(SEE GENERAL NOTE 3, 10, & INSTALL NOTE 13)
#14 WOOD SCREW INSTALLATION ANCHOR

1.000"  0.480"
1.094"
1" MIN. EDGE DISTANCE

EXTERIOR

INTERIOR

V

FLUSH SILL DETAIL

CONCRETE INSTALLATION PREPARATION

CONCRETE SILL
BY OTHERS (MIN 3000 PSI)
(SEE GENERAL NOTE 10 & INSTALL.
NOTE 13)
1/4" ITW TAPCON
INSTALLATION ANCHOR

1.000"  0.480"  1.094"  1.497"
2.50" MIN. EDGE DISTANCE

EXTERIOR

INTERIOR

T

LOW-RISE SILL DETAIL

CONCRETE INSTALLATION PREPARATION

CONCRETE SILL
BY OTHERS (MIN 3000 PSI)
(SEE GENERAL NOTE 10 & INSTALL.
NOTE 13)
1/4" ITW TAPCON
INSTALLATION ANCHOR

1.000"  0.480"
1.094"
1.50"
1/4" ITW TAPCON
INSTALLATION ANCHOR

1.50"
1.094"
2.50" MIN. EDGE DISTANCE

EXTERIOR

INTERIOR

S

LOW-RISE SILL DETAIL

2"X8 WOOD BUCK INSTALLATION PREPARATION

CONCRETE SILL
BY OTHERS (MIN 3000 PSI)
(SEE GENERAL NOTE 10 & INSTALL.
NOTE 13)
1/4" ITW TAPCON
INSTALLATION ANCHOR

1.000"  0.480"
1.094"
1.497"
2.50" MIN. EDGE DISTANCE

EXTERIOR

INTERIOR

ALL SUBSTRATES MUST BE RECESS AND/OR ROUTED
TO ACCOMMODATE THESE COMPONENTS PRIOR TO
INSTALLATION. ALL EDGE DISTANCES AND
EMBEDMENTS FOR ANCHORS MUST BE MAINTAINED
AS NOTED IN THIS SHEET.

PRODUCT REVIEW

complying with the Florida
building code
Acceptance No. 77-297, 27
Expiration Date, 77-297-27

Lucas Build/Products Control