Coastal Innovative Products, Inc.
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 Out folding Doors-L.M.I.

APPROVAL DOCUMENT: Drawing No. CIP001 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. See Design Pressure rating Vs sill types in sheet 1.
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 Kurramy 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# 16-0303.03 and consists of this page 1 and evidence pages E-1 and 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 in previous files.

A. DRAWINGS
1. Manufacturer's die drawings and sections (Submitted under files listed below)
2. Drawing No. CIP001 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 #14-0910.09/#12-0326.09/#10-1019.02)
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 (See Sill types, sheet 1)
   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 Out folding 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 In 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 and sealed by Joseph A. Reed, P.E.

C. CALCULATIONS (submitted under files #14-0910.09)
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 E-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 396, 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.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1212.28
Expiration Date: July 21, 2021
Approval Date: February 08, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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.


A. DRAWINGS
1. Drawing No. CIP001 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 revolves #16-0303.03, expiring 07/21/21.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-1212.28
Expiration Date: July 21, 2021
Approval Date: February 08, 2018
COASTAL INNOVATIVE PRODUCTS
LANAI SERIES E3 HURRICANE
OUTWARD OPENING BI-FOLD DOOR

GENERAL NOTES:
1. THE PRODUCT SHOWN HERIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 6TH EDITION FLORIDA BUILDING CODE (IBC), INCLUDING HURICAN AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   • TAS 201-94
   • TAS 202-94
   • TAS 203-94

2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASSIVITY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CASHIY OF WITHSTANDING AND TRANSMITTING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.

3. FOR INSTALLATION INTO 3/4 INCH MINIMUM EMBLEMENT INTO WOOD STRUCTURES WITH MINIMUM 1 INCH EDGE DISTANCE.

4. GENERAL PRESSURE RATING
   • DESIGN PRESSURE: 15.0 + 5.0 PSI
   • WATER INFLATION: STANDARD SILL ONLY
   • MISSLE IMPACT RATING: LARGE AND SMALL MISSLE IMPACT RATED

5. GRAZE TYPES
   1.2.9
   12.9
   12.9
   12.9
   12.9
   12.9
   12.9
   12.9
   12.9
   12.9

6. INSTALLATION PREPARATION DETAILS

7. INSTALLATION INFORMATION:
   • INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN (SEE AND OR ON LAYOUT SHEETS 2 - 4).
   • THE NUMBER OF INSTALLATION ANCHOR IS DEPENDED AT THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
   • INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF 1/8 INCH OF THE DEPIED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION TO TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
   • SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
   • FOR INSTALLATION INTO WOOD FRAMING USE #4 WOOD SLEEPER W/NO. 8 ORTH 5) OF SUFFICIENT LENGTH TO ACHIEVE 2 INCH MINIMUM EMBLEMATION INTO WOOD SUBSTRATE WITH MINIMUM 1 INCH EDGE DISTANCE.
   • FOR INSTALLATION THROUGH 1X BLOCK TO CONCRETE/MASSIVITY, OR DIRECTLY INTO CONCRETE/MASSIVITY, USE 1/4" INCH DOWEL (OR TAP CON) OF SUFFICIENT LENGTH TO ACHIEVE 1 3/4 INCH MINIMUM EMBLEMATION AND WITH MINIMUM 2-1/2 INCH EDGE DISTANCE.
   • FOR INSTALLATION INTO 3/4 INCH STEEL STUD USE 2" STEEL BOLT SELECT, E.G. AT CL-412 or C-1116 X IMMRT 2 X 1 X 1 (GRADE 5), OF SUFFICIENT LENGTH TO ACHIEVE THREE (3) THREADS MINIMUM MOUNTING SCREW (BOND THE STEEL STRUCTURE).
### Bill of Materials

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>PART NUMBER</th>
<th>MATERIAL</th>
<th>MANUFACTURER</th>
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<tr>
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<td>QB06 650</td>
<td>Q-LON</td>
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### Diagram

1. Frame Seal (Q-LON)
2. Header (AL 6063-T5)
3. Standard Threshold (AL 6063-T5)
4. Lowrise Threshold (AL 6063-T5)
5. Flush Guide Threshold (AL 6063-T5)
6. Door Seal (Q-LON)
7. Jamb (AL 6063-T5)
8. Jamb Cover (AL 6063-T5)
9. Astragal (AL 6063-T5)
10. Glazing Clip (AL 6063-T5)
11. Threshold Insert (RIGID PVC)
12. Dry Glazing Gasket (SANTOPRENE 101-64)

**Remarks:**

- **Due Date:** 09.19.17
- **Scale:** NTS
- **Drawing #:** CIP001
- **Prepared By:** HFN
- **Filers:** Nicholls & Associates, Inc.
- **Dwg. By:** Nicholls & Associates, Inc.
- **File #:** CIP001

**Title:** E3 Hurricane Bifold Door Components & Bill of Materials

**Date:** 09.19.17

**Scale:** NTS

**Drawing #:** CIP001

**Prepared By:** HFN

**Filers:** Nicholls & Associates, Inc.

**Dwg. By:** Nicholls & Associates, Inc.

**File #:** CIP001
NOTES:

1. MAXIMUM PANEL SIZE: 36" X 96".

2. END PANEL HARDWARE:
   A. ODD TO ODD PANELS (I.E. 33/3 CONFIG) - REQUIRE 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (R15 OR R1R) AND 2-PT LOCK (ITEM 16) ON THE STRIKE PLATE PANEL (R3R OR R3L).
   B. ODD TO EVEN PANELS (I.E. 32/2 CONFIG) - REQUIRE 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (R3L) AND ONE END CARRIER (ITEM 21) (R2R).
   C. EVEN TO EVEN PANELS (I.E. 34/4 CONFIG) - REQUIRE ONE END CARRIER (ITEM 21) ON BOTH PANELS (R2L AND R4R).
   D. ODD PANEL INTO JAMB (I.E. 3L CONFIG) - REQUIRE EITHER 4-PT LOCK (ITEM 17) OR 2-PT LOCK (ITEM 16) ON ACTION PANEL (R3L).
   E. EVEN PANEL INTO JAMB (I.E. 6L) - REQUIRE ONE END CARRIER (ITEM 21) (R6L).

3. HINGED JUMP PANELS - ALL HINGED PANELS REQUIRE THREE HINGES (ITEM 19) AND TWO 2-PT LOCKS (ITEM 16).

4. CARRIER JUMP 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**

- **S 11**
- **EXTERIOR**
- **INTERIOR**
- **5.000"**
- **0.480"**
- **1.094"**
- **1.497"**
- **2" MIN. EMBEDMENT**
- **1" MIN. EDGE DISTANCE**
- **#14 WOOD SCREW INSTALLATION ANCHOR**
- **(2) 2X8 WOOD BUCK BY OTHERS BY OTHERS (SEE GENERAL NOTE 3, 10, & INSTALL. NOTE 13)**

**FLUSH SILL DETAIL**

- **U 11**
- **EXTERIOR**
- **INTERIOR**
- **2.733"**
- **0.480"**
- **1.094"**
- **1.00"**
- **3.748"**
- **2" MIN. EMBEDMENT**
- **1" MIN. EDGE DISTANCE**
- **#14 WOOD SCREW INSTALLATION ANCHOR**
- **(2) 2X8 WOOD BUCK BY OTHERS BY OTHERS (SEE GENERAL NOTE 3, 10, & INSTALL. NOTE 13)**

**ALL SUBSTRATES MUST BE RECESSED 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.**

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**LOW-RISE SILL DETAIL**

- **T 11**
- **CONCRETE INSTALLATION PREPARATION**
- **EXTERIOR**
- **INTERIOR**
- **5.000"**
- **0.480"**
- **1.497"**
- **1.094"**
- **2.50" MIN. EMBEDMENT**
- **2.50" MIN. EDGE DISTANCE**
- **1/4" ITW TAPCON INSTALLATION ANCHOR**
- **CONCRETE BY OTHERS (MIN 3000 PSI) (GENERAL NOTE 10 & INSTALL. NOTE 13)**

**FLUSH SILL DETAIL**

- **V 11**
- **CONCRETE INSTALLATION PREPARATION**
- **EXTERIOR**
- **INTERIOR**
- **2.733"**
- **0.480"**
- **1.094"**
- **1.50"**
- **3.267"**
- **2.50" MIN. EMBEDMENT**
- **1/4" ITW TAPCON INSTALLATION ANCHOR**
- **CONCRETE BY OTHERS (MIN 3000 PSI) (GENERAL NOTE 10 & INSTALL. NOTE 13)**

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**TITLE:**

**REMARKS**

**DATE:** 09.19.17

**DRAWN BY:** CL

**CHECKED BY:** HF