BP-Glass Garage Doors & Entry Systems, Inc.
1511 W. 2nd St.
Pomona, CA 91766

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: Models BP-450 HD/BP-550 SHD Aluminum and Glass Sectional Garage Door up to 24'-2” Wide x 16'-1” High

APPROVAL DOCUMENT: Drawing No. BPC005, titled “BP-450 HD/BP-550 SHD Glass Garage Door” sheets 1 through 8 of 8, dated 01/13/2012, with revision C dated 10/12/2017, prepared by Building Drops, Inc, 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

LABELING: A permanent label with the manufacturer’s name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading ‘Miami-Dade County Product Control Approved’ is to be located on the door’s side track, bottom angle, or inner surface of a panel.

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 #16-0912.02 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 Carlos M. Utrer, P.E.

NOA No. 17-1207.01
Expiration Date: January 17, 2021
Approval Date: February 1, 2018
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA’s
   A. DRAWINGS “Submitted under NOA # 16-0314.10”
      1. Drawing No. BPC005, titled “BP-450 HD/BP-550 SHD Glass Garage Door”, sheets 1 through 8 of 8, dated 01/13/2012, with revision B dated 01/05/2016, prepared by Building Drops, Inc, signed and sealed by Hermes F. Norero, P.E.

   B. TESTS “Submitted under NOA # 12-0620.15”
      1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
         2) Large Missile Impact Test per FBC, TAS 201-94
         3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
         4) Forced Entry Test, per FBC TAS 202-94

   C. CALCULATIONS “Submitted under NOA # 16-0314.10”
      1. Anchor calculations prepared by Building Drops, Inc., dated 01/05/2016, signed and sealed by Hermes F. Norero, P.E.

      “Submitted under NOA # 14-0211.10”
      2. Product evaluation report prepared by Building Drops, Inc., dated 01/07/2014, signed and sealed by Hermes F. Norero, P.E.

      “Submitted under NOA # 12-0620.15”
      3. Product evaluation report complying with FBC 2010, prepared by Building Drops, Inc, dated 05/11/2012, signed and sealed by Hermes F. Norero, P.E.

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

   E. MATERIAL CERTIFICATIONS
      1. None.

   F. STATEMENTS “Submitted under NOA # 16-0314.10”
      1. Statement letter of code conformance to the 5th edition (2014) FBC and of no financial interest issued by Building Drops, Inc., dated 01/05/2016, signed and sealed by Hermes F. Norero, P.E.

      “Submitted under NOA # 14-0211.10”
      2. Statement letter of code conformance to 2010 FBC and no financial interest issued by Building Drops, Inc., dated 09/23/2013, signed and sealed by Hermes F. Norero, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 17-1207.01
Expiration Date: January 17, 2021
Approval Date: February 1, 2018
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. New evidence submitted

A. DRAWINGS
   1. Drawing No. BPC005, titled "BP-450 HD/BP-550 SHD Glass Garage Door", sheets 1 through 8 of 8, dated 01/13/2012, with revision C dated 10/12/2017, prepared by Building Drops, Inc, signed and sealed by Hermes F. Norero, P.E.

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. None.

F. STATEMENTS

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 17-1207.01
Expiration Date: January 17, 2021
Approval Date: February 1, 2018
BP-GLASS GARAGE DOORS & ENTRY SYSTEMS, INC.

BP-450 HD/BP-550 SHD GLASS GARAGE DOOR
(U.S. PAT.) - HURRICANE SYSTEM

INSTALLATION NOTES:
1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF 43/8 INCH OF THE DESIGNATED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION AND OR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION BEARING WITH LOAD BEARING SHIM(S) MAXIMUM ALLOWABLE SHIM STACK TO BE 3/4 INCH. SHIM WHERE SPACE OF 1/2 INCH OR GREATER OCCURS SHIMS SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR INSTALL INTO WOOD FRAMING USE 3/8 INCH SCREWS OF SUITABLE LENGTH TO ACHIEVE MINIMUM EMBEDMENT INTO WOOD SUBSTRATE
6. FOR INSTALLATION DIRECTLY INTO CONCRETE/MASONRY, SEE TABLES A-C SHEET 6 FOR MINIMUM DIAMETER AND MINIMUM EMBEDMENT INFO.
7. FOR INSTALLATION THROUGH STEEL, STUCCO, USE 3/8 INCH DIAMETER STEEL BOLTS OF SUITABLE LENGTH TO ACHIEVE A MINIMUM OF THREE (3) THREADED PEPTON PENETRATION STEEL STRUCTURE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, PAVER, BRICK VENEER, AND Siding.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MONITOR JACKS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OR BLOCK.
11. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER’S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTH LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
12. INSTALLATION CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
   A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55
   B. CONCRETE - MINIMUM COMPRRESSIVE STRENGTH OF 3000 PSI.
   C. GROUT FILLED CWU - UNIT STRENGTH CONFORMS TO ASTM C90 & GROUT CONFORMS TO ASTM C494. GROUT SHALL HAVE MINIMUM COMPRRESSIVE STRENGTH OF 2000 PSI SEE FRC SECTION 2150.2.2.2.3(3) FOR GROUTED MASONRY REQUIREMENTS.
   D. STEEL - MINIMUM YIELD STRENGTH OF 33 ksi MINIMUM WALL THICKNESS OF 0.125 INCHES (1 GAUGE)

GENERAL NOTES:
1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 6TH (2017) EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HAV AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
   - TAS 201-94
   - TAS 202-94
   - TAS 207-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 4X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT.
3. 4X BEAMS 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.
4. 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 DESCRIBED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. DOOR FRAME MATERIAL: ALUMINUM 6065-T5
7. DISULPHUR METALS INCLUDING FASTENERS THAT MAY COME IN CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE 6TH EDITION (2017) FBC.
8. GLASS VETFIT THE REQUIREMENTS OF ASTM E 1300-04 GLASS CHARTS, SEE SHEET 8 FOR GLAZING DETAILS
9. EPDM GLAZING GASKET HAS BEEN TESTED IN ACCORDANCE WITH FRC 2411.3.4.
10. BP HURRICANE SYSTEM IS PATENTED IN THE USA.

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PRODUCT REVISED
as complying with the Florida Building Code

Date: 12/20/2017
Expiry Date: 12/20/2024
5/16" O.A. LAMINATED GLASS CONSISTING OF:
- 1/8" ANNEALED GLASS
- 0.090" PVB INTERLAYER
- 2/32" ANNEALED GLASS

GLAZING GASKET MINIMUM DUROMETER = 70

9/16" MIN. GLASS BITE

1/8" ALUMINUM PANEL

9/16" MIN. PANEL BITE

BP + GLASS GARAGE

PERMANENT N.O.A. PLAQUE (FOR INSPECTION VERIFICATION)
ANCHOR TABLE A - HEADER

BRACKET DETAIL A (WOOD/STEEL INSTALLATION)

BRACKET DETAIL B (CONCRETE/CMU INSTALLATION)

ANCHOR TABLE B - SILL

ANCHOR TABLE C - TRACK
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