DAB Door Company, Inc.
12195 NW 98th Avenue
Hialeah Gardens, FL 33018

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: Hurricane Master Model 824/811 Steel Sectional Garage Door up to 16’-2” w/ Window Lite Option (DP +27.0, -30.0 PSF)

APPROVAL DOCUMENT: Drawing No. 03-06 Rev L, titled “Sectional Garage Door”, dated 09/30/2003 and last revised on AUG 17, 2017, sheets 1, 1.1, 2 through 5 of 5, prepared by AI-Farooq Corporation, signed and sealed by Javad Ahmad, 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 precede 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 # 16-0330.03 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 17-0919.12
Expiration Date: August 14, 2021
Approval Date: December 14, 2017
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
1. Drawing No. 03-06, titled “Sectional Garage Door”, dated 09/30/2003, with last revision K dated 03/21/2016, sheets 1 through 5 of 5, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS “Submitted under NOA # 08-1106.05”
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 2411 3.2.1, TAS 202-94
   Along with marked-up drawings and installation diagram of DAB 824 24ga sectional garage door, prepared by Hurricane Engineering & Testing, Inc., Test Report No. HETI-08-2149A/B, dated 06/27/2008, signed and sealed by Candido F. Font, P.E.

   “Submitted under NOA # 05-0915.12”
2. Test Report on Large Missile Impact Test per FBC, TAS 201 and Cyclic Wind Pressure Test per FBC, TAS 203, of “Sectional Residential Door with Windows”, prepared by Hurricane Engineering & Testing Inc., Report No. HETI 03-1348A, dated 09/29/2003, signed and sealed by Rafael E. Droz-Seda, P.E.
4. Test Report on Tensile Test per ASTM E-8 of “Sectional Residential Door (skin)”, prepared by Hurricane Engineering & Testing Inc. Report No. HETI 03-T058, dated 10/31/2003, signed and sealed by Rafael E. Droz-Seda, P.E.

   “Submitted under NOA # 03-0210.04”

C. CALCULATIONS “Submitted under NOA # 14-0814.07”
1. Anchor verification calculations prepared by Al-Farooq Corporation, dated 09/22/2014 and 07/24/2014, signed and sealed by Javad Ahmad, P.E.

Ishaq Chanda, P.E.
Product Control Examiner
NOA No. 17-0919.12
Expiration Date: August 14, 2021
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C.  CALCULATIONS (Cont.)
    “Submitted under NOA # 09-0324.06”
2.  Anchor verification calculations prepared by Al-Farooq Corporation, complying with F.B.C 2007, dated 01/20/2009, signed and sealed by Humayoun Farooq, P.E.

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

E.  MATERIAL CERTIFICATIONS
1.  Notice of Acceptance No. 15-0915.08, issued to SABIC Innovative Plastics, for their Lexan Polycarbonate Sheet Products, approved on 12/10/2015 and expiring on 07/17/2018.
2.  Notice of Acceptance No. 14-0311.08, issued to Insulfoam, LLC, for their Insulfoam Expanded Polystyrene Insulation, approved on 08/14/2014 and expiring on 11/29/2017.
3.  Notice of Acceptance No. 11-0926.07, issued to Dyplast Products, LLC, for their Expanded Polystyrene Block Type Insulation, approved on 11/10/2011 and expiring on 01/11/2017.
4.  Notice of Acceptance No. 11-0926.06, issued to Dyplast Products, LLC, for their Dyplast ISO-C1 Polyisocyanurate Insulation, approved on 11/10/2011 and expiring on 01/11/2017.
5.  Notice of Acceptance No. 15-1203.04, issued to Cellofoam North America Inc, for their Expanded Polystyrene Block Insulation, approved on 03/17/2016 and expiring on 02/24/2021.

   “Submitted under NOA # 05-0228.02”
8.  Test Report on Self-Ignition Temperature Test, Rate of Burn Test and Smoke Density Test of “REHAU non-foam PVC extrusion material”, prepared by ETC Laboratories, Report No. 04-761-15019.0, dated 05/06/2004, signed and sealed by J. L. Doldan, P.E.

F.  STATEMENTS
1.  Statement letter of code conformance to the 5th edition (2014) FBC and no financial interest issued by Al-Farooq Corporation, dated 03/21/2016, signed and sealed by Javad Ahmad, P.E.

________________________
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 17-0919.12
Expiration Date: August 14, 2021
Approval Date: December 14, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUB


A. DRAWINGS
1. Drawing No. 03-06 Rev L, titled "Sectional Garage Door", dated 09/30/2003 and last revised on AUG 17, 2017, sheets 1, 1.1, 2 through 5 of 5, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
Note: This revision consist of editorial changes to comply with FBC 2017.

B. CALCULATIONS
1. None

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

D. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 17-0221.06, issued to Insulfoam, LLC, for their Insulfoam Expanded Polystyrene Insulation, expiring on 11/29/2022.
2. Notice of Acceptance No. 16-1108.04, issued to Dyplast Products, LLC, for their Dyplast ISO-C1 Polyisocyanurate Insulation, expiring on 01/11/2022.
3. Notice of Acceptance No. 15-1203.04, issued to Cellofoam North America Inc, for their Expanded Polystyrene Block Insulation, expiring on 02/24/2021.
4. Notice of Acceptance No. 15-0915.08, issued to SABIC Innovative Plastics, for their Lexan Sheet Products, expiring on 07/17/2018.

E. STATEMENTS

F. OTHER
1. This NOA revises NOA #16-0330.03, expiring 08/14/21.
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<td>5 SECTIONS 18&quot;</td>
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**SCHEDULE A**

**CENTER STILES CONFIGURATION**

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<thead>
<tr>
<th>DOOR WIDTHS</th>
<th># OF CENTER STILES</th>
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<tr>
<td>9'-0&quot; TO 9'-10&quot;</td>
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<tr>
<td>10'-0&quot; TO 11'-10&quot;</td>
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<td>3</td>
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<td>4</td>
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<td>13'-0&quot; TO 15'-10&quot;</td>
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<tr>
<td>14'-0&quot; TO 15'-10&quot;</td>
<td>6</td>
</tr>
<tr>
<td>15'-11&quot; TO 16'-2&quot;</td>
<td>7</td>
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<tr>
<td>16'-0&quot; TO 16'-10&quot;</td>
<td>8</td>
</tr>
</tbody>
</table>

**CENTER STILES**

- 8'-0" TO 9'-10"
- 10'-0" TO 11'-10"
- 12'-0" TO 13'-10"
- 14'-0" TO 15'-10"
- 15'-11" TO 16'-2"
1ST SECTION (BOTTOM)

STAINLESS TRACK BRACKET FASTENED TO WOOD JAMS WITH 5/16" X 1-5/8" LAG SCREW (FULLY THREAD) ONE PER BRACKET

FOR CONNECTION OF WOOD BUCK TO MASONRY SEE NOTE ON SHEET 4

STAINLESS TRACK BRACKETS SEE SHEET 3 FOR SPACING

INTERMEDIATE SECTION

STEEL TRACK BRACKET FASTENED TO WOOD JAMS WITH 5/16" X 1-5/8" LAG SCREW (FULLY THREAD) ONE PER BRACKET

OPTIONAL STOP MOULDING BY DOOR INSTALLER

STEEL TRACK 14 GA. X 2-1/8" X 1" STANDARD FASTENED TO TRACK PLATES W/ 1/4-20 X 5/8" TRUS H.D. SLOTTED M.S. & LOCK NUT

TOP SECTION

24 GA. STEEL PANEL

FLAPS BENT OVER PANEL

1/2" PUNCED HOLES @ 4" O.C.

3/16" ALUM RIVETS AT 4" O.C.

(a) FOR 21" STYLES

(b) FOR 18" STYLES

0.24" STL. PANEL

OUTSIDE OF DOOR

SOLID BRASS DOOR VIEWER

INSTALLED IN 9/16" DIA. HOLES IN CENTER STILE POSITIONED AT EYE LEVEL

ANCHORS AT TRACK BRACKET:

A) 3/4" DIA. POWER BOLT BY "POWERS" 2" MIN. EMBED INTO CONCRETE 1-7/8" MIN. EDGE DISTANCE

ALUM RIVETS 3/16"

STEEL TRACK BOLTED TO PANEL WITH 3/16" ALUM RIVETS SEE DETAIL ABOVE

STEEL TRACK 14 GA. X 3-5/16" X 1" (STANDARD) FASTENED TO TRACK PLATES W/ 1/4-20 X 5/8" TRUS H.D. SLOTTED M.S. & LOCK NUT

B) 3/4" DIA. H.C. SLEEVE BY "SALT"

1-1/4" MIN. EMBED INTO CONCRETE OR FILLED BLOCK 1-5/8" MIN. EDGE DISTANCE INTO CONCRETE 4" MIN. EDGE DISTANCE INTO FILLED BLOCK

STEEL ROLLER INSTALLED ON ROLLER SHAFT

1/4-20 SS BOLT & NUT

SECTION B-B

7-1/2" X 0.01" END ROLLER HINGE

1/8" DIA. X 50" STEEL ROLLERS (STD)

1/8" DIA. X 50" NYLON ROLLERS (OPTIONAL)

1/8" DIA. X 50" NYLON ROLLERS (OPTIONAL)

WITH 2" STEM

7-1/2" X 0.01" CENTER HINGE

STEEL 7-1/2" X 0.01" HINGE INSTALLED ON ROLLER SHAFT

STEEL 7-1/2" X 0.01" CENTER HINGE
WOOD BUCK CONNECTION TO WOOD SUBSTRATE (WOOD SPECIFIC GRAVITY 0.55 MIN.)

THE INSTALLATION METHODS SHOWN ABOVE SHOWS 2X6 5/8 WOOD BUCK ATTACHMENT TO WOOD STRUCTURE. IF THESE METHODS ARE FOLLOWED NO ADDITIONAL CALCULATIONS/DESIGN WILL BE REQUIRED FOR DESIGN OF GARAGE DOOR ANCHORAGE.

FOR DOOR REPLACEMENT APPLICATIONS WITH NO ENGINEER OF RECORD, INSTALLATION MAY BE VERIFIED AND APPROVED BY THE BUILDING OFFICIAL UPON INSPECTION.

WOOD BUCK CONNECTION TO MASONRY

PRESSURE TREATED 2X6 5/8 WOOD JAMBS WHICH SHALL BE ANCHORED TO GRouted REINFORCED MASONRY BLOCK WALL OR CONC. COLUMN WITH

1/4" ULTRACON BY "ELCO" WITH SPACING OF
14" O.C. INTO GROUT FILLED BLOCK WALL, WITH 2-1/4" MIN. EMBED
14" O.C. INTO 3000 PSI CONCRETE, WITH 2-1/4" MIN. EMBED
2-1/2" MIN. EDGE DISTANCE

1/4" SAPPER BY "POWERS" WITH SPACING OF
10" O.C. INTO GROUT FILLED BLOCK WALL, WITH 1-1/2" MIN. EMBED
12" O.C. INTO 3000 PSI CONCRETE, WITH 1-3/4" MIN. EMBED
3" MIN. EDGE DISTANCE

3/8" CONPLEX BY "ELCO" OR
3/8" LIT BY "POWERS" WITH SPACING OF
24" O.C. INTO 3000 PSI CONCRETE, WITH 2-1/2" MIN. EMBED
5" MIN. EDGE DISTANCE

3/8" HLC SLEEVE BY "HILTY" WITH SPACING OF
8" O.C. INTO GROUT FILLED BLOCK WALL, WITH 1-1/2" MIN. EMBED, 4" MIN. EDGE DIST.
18" O.C. INTO 3000 PSI CONCRETE, WITH 1-1/4" MIN. EMBED AND
2-1/2" MIN. EDGE DISTANCE

PREPARATION OF JAMBS BY OTHERS

FOR NEW CONSTRUCTION ENGINEER OF RECORD OR ARCHITECT TO VERIFY
ADECENCY OF SUPPORTING STRUCTURE TO SUPPORT LOADS IMPOSED
BY DOOR SYSTEM.

FOR DOOR REPLACEMENT IN RETROFIT BUILDINGS WITH NO ENGINEER OF
RECORD, DOOR INSTALLATION MAY BE REVIEWED AND APPROVED BY
BUILDING OFFICIAL UPON INSPECTION.

MAXIMUM EXTERIOR (+) LOAD PER JAMB = (16.16 X 27 P.S.I)/2 = 218.2 lbs per ft.
MAXIMUM INTERIOR (-) LOAD PER JAMB = (16.16 X 30 P.S.I)/2 = 242.4 lbs per ft.

ALTERNATE TRACK INSTALLATION

CONTINUOUS ANGLE TRACK TO WOOD BUCK

STEEL STRUCTURE BY OTHERS MUST SUPPORT THE LOADS IMPOSED BY DOOR SYSTEM

5/16" OIL PALLET BOLTS WITH WASHER & NUT AT 12" O.C. MAX.

2-1/4" X 2-1/2" X 14 GA.

STEEL ANGLE

12 GA. GALV. STEEL

FLAT BRACKETS 3/8" LONG

AT 15" O.C. IN DOOR SPACING

CONNECTED TO CONC. ANGLE

W/D (3) 1/4" HARDCORE SLOTTED M.S. & LOCK NUT

PREPARED BY: JAHAD AHMAD
DRAWN/REV: 1/7/99
CHECKED: 1/7/99
DRAWING NO: 03-06
REV.: 0
SHEET: 4/5
STATE OF FLORIDA
LICENSE NO: 20015631
RAISED PANEL EMBOSSED DOOR WITH OPTIONAL WINDOWS
WINDOW LITES CAN BE IN ANY LOCATION IN DOOR SECTION.

*PLASTIC COMPLIES WITH CHAPTER 26 OF FBC
SEE EVIDENCE PAGE.

* EXTERIOR FRAME
RIGID PVC ONE PIECE INJECTION

* INTERIOR FRAME
RIGID PVC ONE PIECE INJECTION

DOOR PANEL
24 GA. (.024) STEEL MIN.

7/16" DIA. WASHER

#8 X 3/4" SMS
Φ 3/8" FROM ENDS
AND 7" O.C. MAX.

(4) #8 X 3/4" SMS
Φ 1-3/8" FROM ENDS
AND 6-1/2" O.C. MAX.

175 X .062 DEEP GROOVE

1/4" POLYCARBONATE LEXAN
BY "SABIC INNOVATIVE PLASTICS"
NOA #15-0815.08

DOOR PANEL
24 GA. (.024) STEEL MIN.

GLAZING BITE

15/16" MIN.

D.L. GPC.

WINDOWS HEIGHT
D.L. GPC.

EXTERIOR

DOOR PANEL
24 GA. (.024) STEEL MIN.