Clopay Building Products Company
8585 Duke Boulevard
Mason, OH 45040

**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:** 2” Steel Pan W8 DP46 Sectional Garage Door up to 16’-2” Wide w/ Optional Impact Resistant Lites

**APPROVAL DOCUMENT:** Drawing No. 104754, titled “2” Steel Pan Doors”, sheets 1 through 3 of 3, dated 11/20/2012, with revision 02 dated 7/2017, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, 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 and renews** NOA # 15-0225.10 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. Utrera, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS "Submitted under NOA # 15-0225.10"
   1. Drawing No. 104754, titled “2” Steel Pan Doors”, sheets 1 through 3 of 3, dated 11/20/2012, with revision 01 dated 2/2015, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, P.E.

B. TESTS "Submitted under NOA # 12-1205.07"
   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
      5) Tensile Test per ASTM E8
     along with marked-up drawings and installation diagram of 16’2”x 8”, 24ga steel garage door Model 94W8 with windows, prepared by American Test Lab, Inc., Test Report No. ATLNC 1023.01-12, dated 11/13/2012, signed and sealed by David W. Johnson, P.E.

C. CALCULATIONS "Submitted under NOA # 12-1205.07"
   1. Jamb anchor calculations prepared by Clopay Building Products Company, dated 11/21/2012, signed and sealed by Scott Hamilton, P.E.

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

E. MATERIAL CERTIFICATIONS

F. STATEMENTS

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 17-1016.14
Expiration Date: February 21, 2023
Approval Date: December 14, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS (CONTINUE)
   2. Statement letters of code conformance to 2010 FBC and no financial interest, issued by Clopay Building Products Company, dated 11/21/2012, signed and sealed by Scott Hamilton, P.E. “Submitted under NOA # 12-1205.07”

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS
   1. Drawing No. 104754, titled “2” Steel Pan Doors”, sheets 1 through 3 of 3, dated 11/20/2012, with revision 02 dated 7/2017, prepared by Clopay Building Products Company, signed and sealed by Scott Hamilton, 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

F. STATEMENTS
   2. Statement letter of no financial interest, issued by Clopay Building Products Company, dated 10/06/2017, signed and sealed by Scott Hamilton, P.E.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 17-1016.14
Expiration Date: February 21, 2023
Approval Date: December 14, 2017
ONE INTERMEDIATE STILE BETWEEN EACH EMBOSSED LOCATION, ATTACHED WITH:
TOG-LOC (TOP & BTM) AND URETHANE ADHESIVE (ALONG CENTER).

OPTIONAL ROW OF IMPACT-RESISTANT GLAZING;
MAX. GLAZING SIZE IS 18-1/2" x 11";
GLAZING IS INJECTION MOLDED GE LEXAN;
SLX24327, AN APPROVED OZ PLASTIC IN
ACCORDANCE WITH ISO-9000;
SEE SECTION B-B FOR ASSEMBLY DETAILS.
(GLAZING SHOWN IN INTERMEDIATE SECTION.)

VIEW "A" (SEE SHEET TWO).

VIEW "C" (SEE SHEET TWO).

16 GA. END STILES ATTACHED TO
DOOR SKIN WITH PATENTED
TOG-LOC SYSTEM (TOP, BOTTOM &
CENTER), ATTACHED TO TOP AND
BOTTOM RAILS WITH PATENTED
TOG-LOC SYSTEM.

TWO POINT LOCKING INTO TRACK.

(2) LH TOP BRACKETS USED AS
INNER BOTTOM BRACKET;
(1) 3 IN ROLLER CARRIER (3/4"
0120364) USED WITH 3" TRACK.

SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)
DETAIL "D";

OPTIONAL OUTSIDE KEYED LOCK OPTION;
MAX. DOOR WIDTH = 16'-2".

LOCATION OF OPTIONAL VENTS.
TOTAL VENT OPENINGS: 80 IN² PER VEHICLE.

PRODUCT REVISED: 2/21/2023

Impact-Resistant One-Piece Injection Molding of Lexan;
Sustains Front Frame & Glazing.

Design:

- Load: 440 P.S.F.
- 500 P.S.F.

Exterior Stated Other tolerances are
0.00 = 0.031
0.000 = 0.031
0.0000 = 0.031
Degree = 1/12

By Miami Dade Product Control

CLOPAY
946, 94
99

HOLMES
48, 488

IDEAL
4RST
4F
JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:
1. THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x8 VERTICAL JAMB (4# OR BETTER) AND 2x6 VERTICAL JAMB (4# OR BETTER). NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL JAMB (3#)
2. EACH VERTICAL JAMB USES A MAXIMUM DESIGN LOAD OF +368 LB & -400 LB FOR LINEAR FOOT
3. ALL JAMBS FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. A 1/4" STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

WOOD FRAME BUILDINGS

STEP WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN (3) 2x6 PRESSURE TREATED 3# GRADE #2 OR BETTER WOOD STUDS OF A STRESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING (Fb) FOR DOORS UP TO 96" HIGH OR (4) 2x6 PRESSURE TREATED 3# GRADE #2 OR BETTER) WOOD STUDS OF A STRESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING (Fb) FOR DOORS UP TO 108" HIGH, STUD WALLS TO BE CONTINUOUS FROM FOOTING TO TOP BEAMS.

BLOCK WALL OR CONCRETE

2x6 VERTICAL JAMB (4# OR BETTER) WOOD JAMBS SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CORES SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH REINFORCING BARS EXTENDING INTO THE FOOTING AND INTO THE BEAMS. ALL BARS SHALL BE CONNECTED TO THE TIMBERS THROUGHホール BLOCK WALL OR CONCRETE COLUMN AND TIMBERS (NOT TO BE GROUNDED OR FERTILIZED) IN ACCORDANCE WITH THE BUILDING CODE OF THE DESIGN ENGINEER OR ARCHITECT OF RECORD AND IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

2x6 JAMB TO SUPPORT STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE | FASTENER TYPE | MAXIMUM DESIGN LOAD (LBS) | STEEL ANCHOR TYPE |
--- | --- | --- | --- |
BLOCK WALL | 1/2" x 1 1/2" MIN. EMBRACE CONCRETE ANCHOR | 6-1/4" LUG | WASHED SOLID STEEL |
3000 PSI MIN. CONCRETE | 1/2" x 1" MIN. EMBRACE CONCRETE ANCHOR | 6-1/4" LUG | WASHED SOLID STEEL |
5000 PSI MIN. CONCRETE | 1/2" x 1 1/4" MIN. EMBRACE CONCRETE ANCHOR | 6-7/8" LUG | WASHED SOLID STEEL |
7000 PSI MIN. CONCRETE | 1/2" x 1 1/2" MIN. EMBRACE CONCRETE ANCHOR | 6-1/4" LUG | WASHED SOLID STEEL |
12,000 PSI MIN. CONCRETE | 1/2" x 1 3/4" MIN. EMBRACE CONCRETE ANCHOR | 6-1/4" LUG | WASHED SOLID STEEL |

* FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING. CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS. MAXIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCO THICKNESS.

PRODUCT REVISED

as complying with the Florida Building Code
NOA-No. 17-1016.14
Expiration Date 02/21/2023
By Miami-Dade Product Control

SECTION A-A (SIDE VIEW)

14 GA END HINGES
18 GA (MIN) INTERMEDIATE HINGE

VIEW "B"

VIEW "C"

14x5/8" SHEET METAL SCREWS
1/4"x5/8" SELF TAPPING SCREWS.

12 GA. MIN. GALV. STEEL BOTTOM BRACKET ATTACHED WITH (2) 1/4x5/8" SHEET METAL SCREWS.

SECTION A-A (SIDE VIEW)

14 GA MIN. GALV. ROLLER HINGE. EACH HINGE FASTENED TO END STILES W/ (4) 1/4x5/8" SHEET METAL AND (2) 1/4x3/4" SELF TAPPING SCREWS. SEE VIEW "B".

ONE 4" T-SLOT PER SECTION. (SEE VIEW "B") EACH T-SLOT ATTACHED AT EACH HINGE LOCATION WITH (2) 1/4x3/4" SELF TAPPING SCREWS.

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.