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: Modern 2" Intelicore W8 DP50T Steel Sectional Garage Door up to 12'-2" Wide w/ Optional Impact Resistant Lites

APPROVAL DOCUMENT: Drawing No. 105050, titled "Modern Steel 2" Intelicore +50/-56 psf to 12' Wide", sheets 1 through 4 of 4, dated 06/28/2016, with revision 2 dated 07/18/2017, prepared by Clopay Building Products Company, signed and sealed by Mark Westerfield, 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.

LIMITATION: This approval requires the manufacturer to do testing of all coils used to fabricate door panels. A minimum of 2 specimens shall be cut from each coil and tensile tested according to ASTM E-8 by a Miami-Dade County approved laboratory. Every 3 months, the manufacturer shall mail to this office a copy of the tested reports. Only coils with average yield strength of 30,000 psi or more shall be used to make door panels for Miami-Dade County under this Notice of Acceptance.

ADVERTISEMENT: The NOA number preceding 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 #16-0706.16 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 NOA #16-0706.16

A. DRAWINGS
   1. Drawing No. 105050, titled “Modern Steel 2” Intelliscore +50/-56 psf to 12’ Wide”, sheets 1 through 4 of 4, dated 06/28/2016, prepared by Clopay Building Products Company, signed and sealed by Mark Westerfield, P.E.

B. TESTS
   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 12’2”x 8’, 27ga (0.016”) steel garage doors Model 9202W8 (9208W8) with Lexan polycarbonate windows, prepared by American Test Lab, Inc., Test Report No. ATLNC 0824.01-15, dated 09/01/2015, signed and sealed by David W. Johnson, P.E.
   2. 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’, 27ga steel garage door Model GD2LPW8 with MAK SL and/or MAK 15 windows, prepared by American Test Lab, Inc., Test Report No. ATLNC 1105-01-13, dated 01/14/2014, signed and sealed by David W. Johnson, P.E.
   3. Test report on Salt Spray per ASTM B117 of painted G40 galvanized painted and G90 panels, prepared by Fenestration Testing Laboratory, Inc., Test Report No. 7890, dated 10/01/2014, signed by Idalmis Ortega, P.E.

C. CALCULATIONS
   1. Jamb anchor calculations prepared by Clopay Building Products Company, dated 06/28/2016, signed and sealed by Mark Westerfield, P.E.

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

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 17-0809.32
Expiration Date: September 8, 2021
Approval Date: November 30, 2017
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS
2. Notice of Acceptance No. 17-0410.01 issued to Covestro LLC for their Makrolon Polycarbonate Sheets, approved on 06/08/2017, expiring on 08/27/2022.
3. Test report on Surface Burning Characteristics, per ASTM E84 of the polyurethane foam insulation, prepared by QAI Laboratories, Test Report No. RJ2814-3, dated 10/14/2013, signed by Greg Banasky.

F. STATEMENTS
2. Statement letter of no financial interest issued by Clopay Building Products Company, dated 06/28/2016, signed and sealed by Mark Westerfield, P.E.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS
1. Drawing No. 105050, titled “Modern Steel 2” Intellitcore +50/-56 psf to 12’ Wide”, sheets 1 through 4 of 4, dated 06/28/2016, with revision 2 dated 07/18/2017, prepared by Clopay Building Products Company, signed and sealed by Mark Westerfield, 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 17-0809.32
Expiration Date: September 8, 2021
Approval Date: November 30, 2017
IMPACT-RESISTANT CONSTRUCTION:

DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL IMPACT RESISTANT ASSEMBLY CONSISTS OF ALUMINUM FRONT FRAME AND SABIC IP LEAN 9034 (VERSIONS ALSO APPROVED: MFT10, MFS9, MFS22, 90318, 90316, 90317, 90311, 90314, 90355) OR BAYER MAKROLOAN GP (VERSIONS ALSO APPROVED: SL, AR, AL) APPROVED C1 PLASTICS IN ACCORDANCE WITH 86/74/EC 2508 AND APPROVED C1 PLASTICS IN ACCORDANCE WITH 72/1. THE COMPLETE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE AND IS LARGE- AND SMALL-SCALE IMPACT RESISTANT.

SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)

- Insulated door section
- Decorative facade
- Exterior of door
- Glazing bite
  - 3/4" glazing bite
  - #8-18 x 1/2" self-tapping screws (12) for short lites, (16) for long lites
- Cellular pvc retainer
- 6053-T5 aluminum frame
- Interior of door

IMPACT-RESISTANT GLAZING DETAILS

DESIGN LOADS: +50.0 P.S.F. & -50.0 P.S.F.

MANUFACTURING PRODUCT CODE: DSIUA-1F477

WIND Load RATING: W8 DP50T
JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:
1. ALL LOADS FROM THE DOORS IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x4 VERTICAL STUD (GRADE #2 OR BETTER). JAMBS, NO LOAD FROM THE DOORS IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMBS.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +3200 LBS & -3360 LBS PER LINEAR FOOT OF JAMB.
3. ALL JAMB FASTENERS MUST BE BUT ARE NOT REQUIRED TO BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. A 1/3 FREQ INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE, AND MASONRY.

NOTE: 2x4 WOOD JAMBS ARE NOT REQUIRED WITH CONTINUOUS ANGLE MOUNT TRACK. IF DESIGNED ON STEEL JAMS OR CONCRETE OR BLOCK WALLS, APPROVED FASTENERS AS DETAILLED BELOW SHOULD BE INCREASED IN LENGTH BY 1/2" AND INSTALLED DIRECTLY THROUGH THE ANGLE AND 2x4 WOOD JAMBS ARE IN THE STEEL JAMBS OR CONCRETE OR BLOCK WALLS, ANCHORS CAN BE USED TO PROVIDE A COUNTERSINK TO PROVIDE A FLUSH MOUNTING SURFACE. CONTINUOUS ANGLE TRACK CAN BE ANCHORED DIRECTLY TO GROUT REINFORCED BLOCK WALL OR 2,000 PSI MIN. CONCRETE COLUMN OR STEEL JAMMS.

2x4 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(DO NOT USE FOR ATTACHMENT OF TRACK ANGLE TO 2x4 VERTICAL JAMMS)

PRODUCT REISED
as complying with the Florida Building Code
NDA No. 17-0809.32
Expiration Date 09/06/2021
By
Miami-Dade Product Control

SECTION A-A (SIDE VIEW)

MASONRY EXTRUDED & VYNL WEATHERSTRIP

VISUAL LOAD RATING
W8 DP50T
DESCRIPTION: MODERN STEEL, 2" INTELLIGENCE +50/-55 PSF TO 12" WALL
DRAWN BY: SH
DATE: 12/10/15
SCALE: 1"=4'0" DWG.
CHECKED BY: URPN
DATE: 6/16/16
Dwg. No. 109500

MANUFACTURING PRODUCT CODE
DSUA-1F477

DESIGN LOADS: +/-500 P.S.F. & -560 P.S.F.
PART NO: N/A

CLDFAY 9202, HP2022
9209, HP2021
9209, HP2021
3728
3729
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C7280

HORIZONTAL (TOP) JAM (NO LOAD FROM DOOR)

2x4 VERTICAL JAM

VIEW "D"
4 TALL TAPER STRUT, 0.625" MIN. GALV. STEEL, 50 PSI MIN.

VIEW "E"
3 TALL U-BAR, 20 GA MIN. GALV. STEEL, 50 PSI MIN.

27 GA. MIN. STEEL GUTTER EXTREME WITH BARE-ON PRIMER AND A BARE-ON POLYESTER PAINTED TOP COAT, MIN. YIELD 29 KSI

2" THICK
SILICONE FILLED CHANNEL SEPARATES FRONT AND BACK SKIN OF DOOR.

URETHANE CORE DENSITY 2.4 P.C.F.

27 GA. GALV. STEEL TOP ROLLER BRACKET, EACH BRACKET ATTACHED W/(4) #14x6/8" SHEET METAL SCREWS, ADJUSTABLE SLIDE ATTACHED TO TOP BRACKET WITH (2) 1/4"X1/2" BOLTS AND NUTS PER BRACKET.

TONGUE AND GROOVE JOINTS.

14 GA. GALV. STEEL ROLLER HINGE, EACH FASTENED TO END STILES W/(4) #14x6/8" SHEET METAL SCREWS AND (2) 1/4x3/4" SELF TAPPING SCREWS.

ONE 4" T-STRAIN PER SECTION (SEE VIEW "G"), EACH T-STRAIN ATTACHED AT EACH HINGE LOCATION WITH (2) 1/4X3/4" SELF TAPPING SCREWS.

27 GA. GALV. INTERIOR SKIN WITH A BARE-ON PRIMER AND A BARE-ON POLYESTER PAINTED TOP COAT

ONE 3" U-BAR ON THE BOTTOM OF THE BOTTOM SECTION (SEE VIEW "G"), EACH U-BAR ATTACHED AT EACH HINGE LOCATION WITH (2) 1/4X3/4" SELF TAPPING SCREWS.

13 GA. MIN. GALV. STEEL BOTTOM BRACKET ATTACHED WITH (4) #14x6/8" SHEET METAL SCREWS.

ALUMINUM EXTRUSION & VYNL WEATHERSTRIP.

* FIRST (BOTTOM) ANCHOR STARTING AT MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING. CLOFAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.

MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE: 2-1/2", EXCLUDING STUCCO THICKNESS. EXCEPT FOR TAPCO -- MINIMUM EDGE DISTANCE FOR TAPCO FASTENER IS 1-1/4", EXCLUDING STUCCO THICKNESS.

OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE-employed TO APPROVE FASTENER OPTIONS AND OR JAMB CONFIGURATIONS.