Wayne Dalton a Div. of Overhead Door Corporation  
3395 Addison Drive  
Pensacola, FL 32514

**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:** Code 2301 Insulated Steel Sectional Garage Door up to 9'-2" Wide with Optional Impact Resistant Glazing

**APPROVAL DOCUMENT:** Drawing No. 353186, titled “Windload Specification Option Code 2301”, sheets 1 through 4 of 4, dated 04/09/2014, with last revision P1, dated 03/14/2018, prepared by Wayne Dalton, signed and sealed by Dwayne J. Kornish, 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 addresses in Pensacola, FL or Mt. Hope, OH, 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.

**LIMITATION:** This door has not been tested for air infiltration.

**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 replaces NOA # 16-0119.09 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.

NOA No. 18-0417.08  
Expiration Date: December 4, 2019  
Approval Date: May 31, 2018  
Page 1
Wayne Dalton a Div. of Overhead Door Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA’S

A. DRAWINGS “Submitted under NOA # 16-0119.09”

B. TESTS “Submitted under NOA # 14-0204.11”
   1. Addendum letter to Architectural Testing’s test report # C9367.01-801-18, dated 07/07/2014, signed and sealed by Vinu J. Abraham, 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 Series 8300, Option Code 2207 (2301), 9’2” x 8’ Sectional Garage Doors, prepared by Architectural Testing, Inc., Test Report No. C9367.01-801-18, dated 10/04/2013, signed and sealed by Vinu J. Abraham, P.E.

C. CALCULATIONS “Submitted under NOA # 14-0204.11”
   1. Structural and anchor calculations prepared by Overhead Door Corporation, dated 06/26/2014, signed and sealed by Mark A. Sawicki, P.E.
   2. Structural and anchor calculations prepared by Overhead Door Corporation, dated 01/28/2014, signed and sealed by Mark A. Sawicki, P.E.

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

E. MATERIAL CERTIFICATIONS “Submitted under NOA # 14-0204.11”
   2. Test report on ignition temperature of BASF polyurethane foam per ASTM D1929, Test Report # 01.17794.01.304, dated 12/20/2012, prepared by Southwest Research Institute, signed by Matthew S. Blais.

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 18-0417.08
Expiration Date: December 4, 2019
Approval Date: May 31, 2018

E - 1
E. MATERIAL CERTIFICATIONS (CONTINUED)
   3. Notice of Acceptance No. 12-0605.05 issued to Bayer MaterialScience LLC (MA) for its Makrolon Polycarbonate Sheets, approved on 12/06/2012 and expiring on 08/27/2017.

F. STATEMENTS “Submitted under NOA # 16-0119.09”
   1. Statement letter of code conformance to the 5th edition (2014) FBC issued by Overhead Door Corporation, dated 01/06/2016, signed and sealed by Mark A. Sawicki, P.E.

   “Submitted under NOA # 14-0204.11”
   2. Statement letter of code conformance to 2010 FBC issued by Overhead Door Corporation, dated 01/24/2014, signed and sealed by Mark A. Sawicki, P.E.
   3. Statement letter of no financial interest issued by Overhead Door Corporation, dated 01/24/2014, signed and sealed by Mark A. Sawicki, P.E.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS
   1. Drawing No. 353186, titled “Windload Specification Option Code 2301”, sheets 1 through 4 of 4, dated 04/09/2014, with revision P1 dated 03/14/2018, prepared by Wayne Dalton, signed and sealed by Dwayne J. Kornish, 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. Notice of Acceptance No. 17-1219.02 issued to Covestro, LLC for its Makrolon Poly-carbonate Sheets, approved on 03/22/2018 and expiring on 08/27/2022.

F. STATEMENTS

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 18-0417.08
Expiration Date: December 4, 2019
Approval Date: May 31, 2018
1. Impact resistant glazing option — impact resistant glazing system may be installed in top or intermediate section (with or without decorative inserts). Glazing shall be 1/4" polycarbonate. Maximum glazing dimensions shall be 14" x 46" cutout, fastened with a minimum #8 x 1" SMS: 3X along the horizontal and 3X along the vertical. The minimum bite shall be 1.75". See detail E on sheet 3 for assembly details.

2. Vinyl or wood door stop nailed a maximum of 6" O.C. must overlap top and both ends of panels minimum 7/16" to meet negative pressures.

3. Key locks, slide locks, or operator required.

4. Louver option — louver option may be installed in door if the area of each louver does not exceed 60 in². Door vents larger than 60 in² must be tested for impact.

5. Polyurethane foam shall be sandwiched between facer steel having a minimum 28 ga thickness G=40 with prime coat with a minimum yield strength of 46.8 ksi and backer steel having a minimum 29 ga thickness G=40 with prime coat. Overall section thickness shall be minimum 1-5/16".

6. A 4-1/2" x 6" x 22 ga backer plate is to be located at every intermediate and outer end hinge location.

7. The design of the supporting structural elements shall be the responsibility of the professional of record for the building or structure and in accordance with current building codes for the loads listed on this drawing.

8. Door jamb to be minimum 2x6 structural grade lumber.

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SUPERIMPOSED DESIGN PRESSURE LOADS ON SUPPORTING STRUCTURE

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>DOOR HEIGHT</th>
<th>UNIFORM LOAD EACH JAMB (PLF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'-2&quot;</td>
<td>ALL</td>
<td>+261.3/--294.0</td>
</tr>
<tr>
<td>9'-0&quot;</td>
<td>ALL</td>
<td>+233.3/--330.0</td>
</tr>
</tbody>
</table>

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JAMB BRACKET SCHEDULE

<table>
<thead>
<tr>
<th>DOOR HEIGHT</th>
<th>NO. OF SECTIONS</th>
<th>NO. OF JAMB BRACKETS (EACH JAMB)</th>
<th>LOCATION OF CENTERLINE OF JAMB BRACKETS MEASURED FROM BOTTOM OF TRACK (ALL DIMENSIONS ± 2&quot;)</th>
</tr>
</thead>
</table>

NOTE: (JB-US) following dimension denotes slotted jamb bracket attached to track with 1/4-20x9/16" track bolt and nut as shown above.

All doors greater than 8' in height require use of continuous wall angle. See sheet 3 for details.

Doors may use 3" track in lieu of 2" track.

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PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. 18-0417.08
Expiration Date 12/04/2019

By Miami-Dade Product Control

Wayne Dalton Garage Doors
5401 SW 105th Ave
Kansas City, Kansas 66123
(800) 427-1866

STATE PRESSURE RATINGS
APPROVED SIZES: LEVEL: 10
SCALE: 1:100
SIZE: 1/4" MIN. MODULE: 4-9/16" MAX. \[1/4" \times 2-13/64"]
UNIT: Pounds \[1/4" \times 2-13/64"\]

LOADING SPECIFICATION: CODE 2301

PROVOCATION FACTOR: FX-35186

WEBLOAD SPECIFICATION: CODE 2301

DIAGRAM SHEET 1 OF 4
(2) 12 GA COMMERCIAL L' FRAME TOP BRACKETS ATTACHED WITH (4) 1/4-20x7/8" SELF DRILLING SCREWS (2 THROUGH U-BAR AND TOP BRACKET)

13 GA ROLLER SLIDE ATTACHED TO BRACKET WITH 5/16-18 BOLT & NUT IN THE CENTER SLOT

ADD (2) 1/4-14x7/8" SELF DRILLING CRIMPIT SCREWS (INSIDE OF EACH INSIDE END HINGE)

2" STEEL ROLLER WITH 9" GRADE 1144 OR EQUIVALENT STEM AND 7/16" PUSH NUT AT EACH ROLLER LOCATION LOCATED BETWEEN THE BRACKET OR HINGE (EXCEPT PUNCHNUT LOCATED ON THE TOP AND BOTTOM ROLLER IS LOCATED OUTSIDE OF BOTH BRACKET(S)). 1/4" MAX BETWEEN PUSH NUT AND OUTER HINGE.

(2) 14 GA WIDE BODY HINGES EACH ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPIT SCREWS

14 GA WIDE BODY INTERMEDIATE HINGE ATTACHED WITH (4) 1/4-14x7/8" SELF DRILLING CRIMPIT SCREWS

12 GA EXTENSION BRACKET ATTACHED WITH (3) 1/4-14x7/8" SELF DRILLING CRIMPIT SCREWS (2 THROUGH U-BAR AND BRACKET)

14 GA BOTTOM BRACKET ATTACHED WITH (2) 1/4-14x7/8" SELF DRILLING CRIMPIT SCREWS THROUGH U-BAR AND BOTTOM BRACKET AND (1) 1/4-14x5/8" SELF DRILLING TAMPER RESISTANT SCREW

NOTE: IF 3" TRACK IS USED, THEN END HINGES TO BE 11 GA MODIFIED HINGES.
ROLLERS TO BE 3" STEEL ROLLERS WITH 9/16" DIA. X 9" LONG SHAFT AT ALL LOCATIONS EXCEPT TOP AND BOTTOM. TOP AND BOTTOM ROLLERS TO BE 3" STEEL ROLLERS WITH 7/16" DIA. X 9" LONG SHAFT. PUSH NUTS ONLY USED AT TOP AND BOTTOM ROLLER LOCATIONS.
1. Based on 3/8" Simpson Titen Heavy Duty Screw Anchor with a 1" D.D. washer into concrete with a minimum embedment depth of 2-3/4" and a minimum edge distance of 2-3/4".

2. Based on 3/8" Simpson Titen Heavy Duty Screw Anchor with a 1" D.D. washer into grout filled CMU with a minimum embedment depth of 2-3/4", a minimum edge distance of 4", and a minimum end distance of 4".

3. Based on 3/8" diameter x 3" long lag screws with 1" D.D. washers with a 1-9/32" thread penetration into seasoned dry wood supporting structure.

4. Provide quantity of screw anchors or lag screws as required to maintain maximum spacing as shown in Table with a minimum of three (3) screw anchors or lag screws per Jamb. Screw anchors or lag screws at top and bottom of Jamb shall be placed a maximum of 6" from the end of the Jamb.

5. Load per Jamb calculated to be a maximum of +293.3/-330.0 lbs per foot.

6. Chart includes a safety factor of 4.

7. Door Jamb to be minimum 2x6 No. 3 Southern Pine lumber (Min) mounted directly to support structure.

8. Design of the support structure shall be the sole responsibility of the building designer and shall be designed for the loads listed in Note 5.

9. Screw anchors or lag screws shall be installed per manufacturer’s written instructions.

### Max Spacing of Anchors/Screws per Jamb (in)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>24</td>
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<td>23</td>
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</tbody>
</table>

### Continuos Wall Angle Details

- 5/16" Lag Screw into MIN 2 x 6 lumber at each hole location
- 3/8" Simpson Titen HD, 2-3/4" MIN embed into MIN 2000 PSI concrete for each hole location
- 1/4"-20 x 9/16" Track Bolt and 1/4"-20 Hex Nut
- Continuous Wall Angle
- 13 GA MIN Continuous Wall Angle
- Min 11 GA Clip
- Typical Clip Bolt Detail
- Typical Clip Welding Detail
- Track Clip
- Splice Plate

Clips to be either bolted or welded. See details on this page.