

John E. Scates, Professional Engineer

September 25, 2020

Overhead Door Corporation
2501 S State Hwy 121 Bus, Suite 200
Lewisville, TX 75067

Re: FL 21067-R5
Evaluation Report for Series 300/5800/7540 door family

To Whom It May Concern:

At the request of Overhead Door Corporation, I have reviewed the drawings and tests listed below. These doors were tested to ANSI/DASMA 108 procedures at an accredited laboratory. The pressures listed on the drawings are a direct result of these tests. I have concluded that the construction shown on these drawings comply with the structural requirements of the 7th Edition (2020) of the Florida Building Code. I certify that I meet the requirements of "independence" as detailed in Florida Statutes

Drawings

All drawings include Models 301-309 and 5800 family of products.

Drawing 411452- rB	up to 9' wide	+12.8 / -14.8 psf
Drawing 411416- rB	up to 9' wide	+12.8 / -14.8 psf
Drawing 411417- rB	up to 9' wide	+22.9 / -26.3 psf
Drawing 411418- rB	up to 9' wide	+22.9 / -26.3 psf
Drawing 411419- rB	up to 9' wide	+26.9 / -30.8 psf
Drawing 411420- rB	up to 9' wide	+26.9 / -30.8 psf
Drawing 411421- rB	up to 9' wide	+31.2 / -35.8 psf
Drawing 411422- rB	up to 9' wide	+31.2 / -35.8 psf
Drawing 411423- rB	up to 9' wide	+35.7 / -41.0 psf
Drawing 411424- rH	up to 9' wide	+45.3 / -51.2 psf
Drawing 411425- rB	up to 10' wide	+12.8 / -14.8 psf
Drawing 411426- rB	up to 10' wide	+12.8 / -14.8 psf
Drawing 411427- rB	up to 10' wide	+19.2 / -22.0 psf
Drawing 411428- rB	up to 10' wide	+19.2 / -22.0 psf
Drawing 411429- rB	up to 10' wide	+22.9 / -26.3 psf
Drawing 411430- rB	up to 10' wide	+22.9 / -26.3 psf
Drawing 411431- rB	up to 10' wide	+26.9 / -30.8 psf
Drawing 411432- rB	up to 10' wide	+26.9 / -30.8 psf

Drawing 411433- rB	up to 10' wide	+31.2 / -35.8 psf
Drawing 411453- rC	up to 10' wide	+41.0 / -46.3 psf
Drawing 411434- rB	up to 16' wide	+12.4 / -13.8 psf
Drawing 411435- rB	up to 16' wide	+15.3 / -17.0 psf
Drawing 411436- rB	up to 16' wide	+15.3 / -17.0 psf
Drawing 411437- rB	up to 16' wide	+18.5 / -20.7 psf
Drawing 411438- rB	up to 16' wide	+18.5 / -20.7 psf
Drawing 411439- rB	up to 16' wide	+22.0 / -24.5 psf
Drawing 411440- rB	up to 18' wide	+18.5 / -20.7 psf
Drawing 411441- rB	up to 18' wide	+15.3 / -17.0 psf
Drawing 411442- rB	up to 18' wide	+18.5 / -20.7 psf
Drawing 411445- rC	up to 18' wide	+22.0 / -24.5 psf
Drawing 411446- rC	up to 16' wide	+23.0 / -25.0 psf
Drawing 411447- rC	up to 16' wide	+27.0 / -31.0 psf
Drawing 411448- rC	up to 18' wide	+26.3 / -29.3 psf
Drawing 411449- rC	up to 16' wide	+30.0 / -33.5 psf
Drawing 411450- rC	up to 16'-2" wide	+39.2 / -43.7 psf
Drawing 411451- rC	up to 18'-2" wide	+30.0 / -33.5 psf

Test Reports

All testing was conducted per ANSI/DASMA 108 for static air pressure. Listed below are the test numbers associates with each drawing, as well as the specific model used in the test.

<u>Test Report</u>	<u>Drawing</u>
ETR-8500	411452, Model 301
ETR-8501	411416, Model 301
ETR-8502	411417, Model 301
ETR-8503	411418, Model 301
ETR-8504	411419, Model 301
ETR-8507	411420, Model 301
ETR-8508	411421, Model 301
ETR-9206	411422, Model 301
ETR-8510	411423, Model 301
ETR-8513	411424, Model 301
ETR-8514	411425, Model 301
ETR-8515	411426, Model 301
ETR-8516	411427, Model 301
ETR-8517	411428, Model 301
ETR-8518	411429, Model 301
ETR-8520	411430, Model 301
ETR-8521	411431, Model 301
ETR-8522	411432, Model 301
ETR-8523	411433, Model 301
ETR-9207	411453, Model 301

ETR-8525	411434, Model 301
ETR-8526	411435, Model 301
ETR-9377	411435, Model 5800
ETR-8527	411436, Model 301
ETR-8538	411437, Model 301
ETR-8539	411438, Model 301
ETR-8540	411439, Model 301
ETR-8543	411440, Model 301
ETR-8544	411441, Model 301
ETR-8545	411442, Model 301
ETR-8546	411445, Model 301
ETR-9208	411446, Model 301
ETR-9209	411447, Model 301
ETR-9210	411448, Model 301
ETR-9211	411449, Model 301
ETR-9352	411450, Model 301
ETR-9429	411450, Model 5800
ETR-9213	411451, Model 301

Test Facility & Procedures

Static testing was conducted in accordance with **ANSI/DASMA 108-05 (and -2012, -2017)** at the Overhead Door TREQ test facility in Dallas, Texas.

The test lab was accredited for these procedures at the time of testing.

The TREQ tests were witnessed and signed by John E. Scates P.E., a licensed PE of Florida.

Installation Instructions

The drawings provide installation instructions peculiar to windload reinforcement.

Jamb attachment:

Some of the doors in this evaluation, when attached to wood, require that the wood species be Southern Pine, while others allow Spruce-Pine-Fir. See the drawings for specific details, typically included in Note 5.

The "Jamb Connection Supplement" provides information for attaching the door to the building.

The "Track Supplement" provides information on substituting commercial track.

This Evaluation Report does not address design of the wall/jambs themselves. These drawings only illustrate common means to attach the door to the jambs. Walls and Jambs should be designed (by others) to withstand the loads imposed by the door onto the building.

Model Descriptions

Models 301-309:

Models 301 through 309 are foamed-in-place polyurethane doors with 27 gauge exterior / 30 gauge interior steel skins. Top and bottom rails have a thickness of 1-9/16", while the mid-height of the exterior has a ½" deep recess that may include optional decorative trim. Maximum section height is 27-3/4".

Model 5800:

Model 5800 is a foamed-in-place polyurethane door with 27 gauge exterior / 30 gauge interior steel skins. The overall thickness of the door is 1-9/16" with embossed panel patterns on the exterior. Maximum section height is 27-3/4".

Model 7540:

This is a new broad designation that duplicates Models 301-309.

Additional Limitations

The drawings cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details but relies upon the illustrations and text of these drawings and instructions as well.

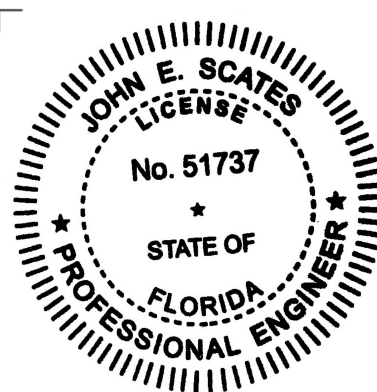
The horizontal track may be reinforced with an angle as needed to support the door weight. The construction of the horizontal track, including the track thickness and additional support when needed, is determined by Overhead Door and does not affect this windload evaluation.

The rated pressures may not be achieved unless the door is held closed during the wind event. The door must be locked closed, or alternately an electric drawbar operator attached to the door prior to the wind event.

Some of these products include an option for windows or "lites". Windows are only allowed in the top section of these doors, as illustrated on the drawings.

These products were not tested for wind-borne debris. However, when constructed without glazing, they may qualify for use in wind-borne debris regions according the FBC.

These products are *not* intended for the Florida High Velocity Hurricane Zone (HVHZ).



Digitally signed by John E. Scates, P.E.

Date: 2020.09.25 16:49:33 -05'00'

John E. Scates, P.E.

Florida PE # 51737

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