

John E. Scates, Professional Engineer

August 27, 2020

Wayne-Dalton, A Division of Overhead Door Corporation
2501 S State Hwy 121 Bus, Suite 200
Lewisville, TX 75067

Re: FL 31386
Model 888 High Speed Rolling Door

To Whom It May Concern:

At the request of Wayne-Dalton, A Division of Overhead Door Corporation, I have reviewed the drawings and tests listed below. All products were tested for Static pressures per TAS 202 or ASTM E-330. Selected sizes were additionally evaluated for HVHZ, including testing per TAS 201/203. The pressures listed on the drawings are direct results of these tests or conservative engineering rational analysis from the actual tests, except that no extrapolations of impact pressures were used. I have concluded that the construction shown on these drawings comply with the structural requirements of the 7th Edition (2020) Florida Building Code. I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

For products claiming HVHZ, testing included all aspects of the TAS process, including:

1. Static pressure testing
2. Impact and cyclic testing
3. Meeting the deflection recovery requirements
4. Meeting the forced entry requirement

Additional testing was performed:

1. This product is aluminum, satisfying "G90 equivalence".
2. The material used in the foamed plastic core of the optional insulated product was tested for flame spread and smoke developed (per ASTM E84). The foam is contained within an aluminum extrusion with 0.090" thick walls. The results for the foam plastic were less than the required targets of 75 FSI and 450 SDI. (Actual 20 FSI, 300 SDI)

Drawings

Drawing 827910 Rev-	Model 888 up to 16' wide (HVHZ)
Drawing 827911 Rev-	Model 888 up to 26' wide.

Test Reports

All products were tested for Static windload. Listed below are the test numbers and static test procedure.

In addition, selected sizes of this product were also tested for Impact and Cyclic, per TAS 201-94 and 203-94.

Intertek Test H4652.01-801-44 ASTM E330-14 (26' wide)

Intertek Test K1120.01-801-18 TAS 202/201/203-94 (16' wide)
(Miami-Dade Notification No ATITX 9031901)

The test reports were signed by a licensed professional engineer of Florida.

The test lab was located at:

1909 10th Street, Ste 100
Plano TX 75074
(469) 814-0687

Model Description

Model 888 is a heavy-duty exterior high-performance rolling door that features an extruded aluminum curtain with opening speeds up to 80" per second.

Installation Instructions

The drawings provide installation instructions peculiar to windload reinforcement.

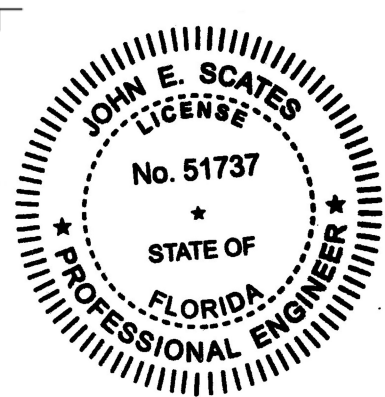
This Evaluation Report does not address design of the wall/jambs themselves. These drawings only illustrate common means to attach the door to the jambs. Walls and Jambs should be designed (by others) to withstand the loads imposed by the door onto the building.

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.

Each door should be chosen based on the "psf" requirement determined for a specific installation or locale.

The product shown on drawing 827910 is intended for the Florida High Velocity Hurricane Zone (HVHZ).



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

Date: 2020.08.27 10:01:23 -05'00'

John E. Scates, P.E.

Florida PE # 51737

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