

John E. Scates, Professional Engineer

November 20, 2025

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

Re: FL 11494-R9
Evaluation Report for Residential Series 390/1600; Commercial Series 470

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 at an accredited laboratory according to ANSI/DASMA 108 test procedures and witnessed by me as an independent engineer. The pressures listed on the drawings are direct results of these tests or engineering rational analysis from the actual tests. I have concluded that the construction shown on these drawings comply with the structural requirements of the 8th edition (2023) of the Florida Building Code and IBC/IRC 2018/2021 (Texas). I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

Drawings

D-410723 RevE	Model 390, 470, 1600 (9' wide) +26.7 / -30.2 psf (8' wide) +30.0 / -34.0 psf (6' wide) +40.0 / -45.3 psf
D-410725 RevE	Model 390, 470, 1600 (12' wide) +26.9 / -30.4 psf (10' wide) +38.7 / -43.7 psf (9' wide) +47.8 / -54.0 psf (8' wide) +53.8 / -60.8 psf (6' wide) +60.0 / -67.0 psf
D-410726 RevE	Model 390, 470, 1600 (10' wide) +22.8 / -25.8 psf (9' wide) +25.3 / -28.7 psf (8' wide) +28.5 / -32.3 psf (6' wide) +38.0 / -43.0 psf

[illegible]

D-410729 RevE Model 390, 470, 1600 (16' wide) +18.4 / -20.5 psf

D-410735 RevD Model 390, 470, 1600(18' wide) +21.8 / -28.5 psf
 (16' wide) +24.5 / -32.0 psf

Test Reports

These products were tested for **Static pressure only**.

Test Report numbers:

9' wide

ETR-00607

ETR-00609

16' wide

ETR-00613

10' wide

ETR-00610

ETR-00612

18' wide

ETR-00620

Test Facility & Procedures

Testing was conducted in accordance with ANSI/DASMA 108-05 (and -2012, -2017) at the Overhead Door TREQ test facility in Dallas, Texas. This laboratory was accredited at the time of testing.

The testing was overseen by a John E. Scates, P.E., a licensed professional engineer in Florida and Texas.

Installation Instructions

The drawings provide installation instructions peculiar to windload reinforcement.

Jamb attachment:

The door is to be secured to the building using the fasteners specified on the drawings. Additional limitations are itemized in the Notes and elsewhere on the drawings.

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 Description

This product is a 2" thick sandwich door. Section construction is 25-ga exterior / 30-ga interior steel skin sandwich door with polystyrene insulation. Equivalent, and included within the scope of this evaluation are these models:

Model 1600 includes:

Model 391 = 2" polystyrene sandwich, 25-ga/30-ga steel skins, raised panel emboss.

Model 399 = 2" polystyrene sandwich, 25-ga/30-ga steel skins, ranch panel emboss.

Model 470 = 2" polystyrene sandwich, 25-ga/30-ga steel skins with pin-striped exterior.

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 maximum door height approved with this report is 16' tall.

Doors over 8' tall require commercial track.

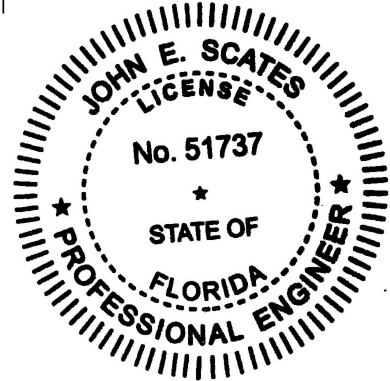
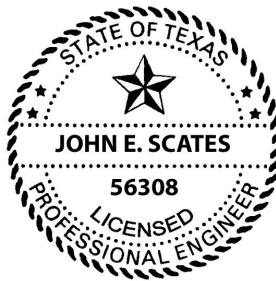
Doors over 7-sections tall require "Half-incline" vertical track.

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 prior to the wind event.

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

Date: 2025.11.20 15:10:47 -06'00'

John E. Scates, P.E.

Florida PE # 51737

Texas PE # 56308 / F-2203

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