

John E. Scates, Professional Engineer

February 11, 2023

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

Re: FL 17399
Evaluation Report for Wayne-Dalton Series 770 and 790 Sheet Doors

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. This evaluation was built upon a foundation of actual testing used to validate the engineering calculation methods at known points. Using rational engineering analysis, the door configurations listed on the drawings were designed to stay within the allowable limits established by the actual door tests. The door components, including the curtain, wind locks, rolled guide, guide angle, and wall fasteners were all verified. 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

035-0037 Rev. B	Series 770	up to 10' wide and 10' tall up to +36.0 / -36.0 psf design
035-0038 Rev. B	Series 790	up to 20' wide and 16' tall up to +41.0 / -41.0 psf design (see chart for specifics)

Note: The drawing titles above are simply descriptive, and do not represent any limitation on the sizes and pressures.

Test Reports

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

CCLI Report # CCLI-03-228
ATI Report # 88835.01-801-44
ATI Report # 88833.01-801-44

Test Facility & Procedures

Tests by Architectural Testing (ATI) were conducted at their accredited facility in Southlake, Texas.

Tests by Construction Consulting Laboratory, International (CCLI) were conducted at their accredited facility in Carrollton, Texas.

Testing was conducted in accordance with ASTM E330-2002. The test process was equivalent to ANSI/DASMA 108-05 (and -2012, -2017). All tests included holding the door at design pressure for a minimum of 10 seconds (CCLI @ 30 seconds) and achieving a 150% overload ("test" or "proof") pressure for 10 seconds (CCLI @ 30 seconds). Deflection recovery after completion of the design pressures exceeded 75% on the test doors.

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.

Architects and other users are reminded that rolling door products can produce substantial "catenary" loads that pull toward the center of the opening during wind load in addition to the normal "perpendicular" forces. The building structure must be designed to withstand the "normal" and "parallel" forces, which are listed in the notes.

Additional Limitations

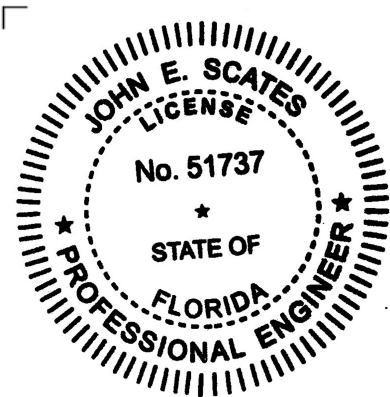
The drawings cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details but relies upon the illustrations and text of these drawings and instructions as well.

These products were not tested for windborne debris.

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

Digitally signed by John E Scates
Date: 2023.02.11 10:46:00 -05'00'

John E. Scates, P.E.
Florida PE # 51737



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