

W. W. Schaefer Engineering & Consulting, P.A. (CA #6809)

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ENGINEER'S EVALUATION REPORT #WWS-391

Prepared for:

Weather Shield Manufacturing, Inc.
One Weather Shield Plaza
Medford, WI 54451
Phone: 715-748-6555

Prepared by:

Warren W. Schaefer, P.E.
Florida Professional Engineer #44135

Manufacturer: Weather Shield

Product Category: Doors

Evaluation Method: 1-D (Engineer's evaluation)

Product model & name: Legacy Lifeguard French Out-Swing Round Top Door

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1509

Door size & configuration restrictions and assembly requirements:

See drawing No. 1509

Maximum allowable design pressure:

+60/-70 psf

Installation requirements:

See drawing No. 1509

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapters 17 & 24

Wood Coatings:

All wood members shall be of an approved durable species or be treated in an approved method with an approved preservative per applicable codes and standards

Glass:

All glass meets the current ASTM E1300 standard.

Test Standards applicable to the testing of these doors:

TAS-201, 202 & 203

Test Laboratory: Element Material Technology (Previously named Stork Twin City Testing Corporation)

Test report numbers: 180-7811.1 & 180-7046

Note: All HVHZ test reports have been signed & sealed by a Florida PE.

Compliance statement:

This product & its installations have been evaluated as required by the applicable Florida product approval rule and the Florida Building Code (FBC) and are found to be in compliance with each the rule, the Florida Building Code & all code required standards referenced here-in.

General report notes & system limitations:

1. All size, configuration & installation conditions shown in this report and the referenced drawing No. 1509 are based off the referenced test reports and/or engineering analysis in accordance with the Florida Building Code.
2. Doors shall be constructed in accordance with the descriptions in this report, and the manufacturer's state approved quality assurance entity specifications.
3. This product is approved for use in & outside of the High Velocity Hurricane Zones (HVHZ).
4. Job required design wind pressure shall be calculated in accordance with the Florida Building Code Chapter 16 and ASCE 7 Minimum Design Loads for Buildings and Other Structures (0.85 directionality factor may apply per the current ASCE 7 standard).
5. These doors are both small & large missile impact rated for use in wind zone 4 & missile level "D" locations and need not be shuttered.
6. When applicable, all safety glass requirements must be met per FBC.
7. Any change to this product's components and/or assembly or its Florida approval without the knowledge & consent of W. W. Schaefer Engineering & Consulting, P.A. and Warren W. Schaefer, P.E. shall void this evaluation/certification and thus the products Florida approval.

Quality Assurance Entity: Window & Door Manufacturer's Association (WDMA)

Disclaimers:

1. The parts, components, assembly & performance of this product, and liability there-of are the sole responsibility of the manufacturer and their quality assurance and shall be as tested unless stated otherwise in this evaluation report or the uploaded approval drawing No. 1509. Neither W. W. Schaefer Engineering & Consulting, P.A. nor Warren W. Schaefer, P.E. claim any responsibility for said parts, components, assembly or performance and shall be deemed responsible only for the evaluation of the product as stated here-in.

AUG 03 2021

Warren W. Schaefer, P.E.
Florida P.E. #44135

