

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

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ENGINEER'S EVALUATION REPORT #WWS-251

Prepared for:

C.P. Loewen Enterprises
77 Hwy 52 West
Steinbach, MB Canada R5G 1B2
Phone: (204) 326-6446

Prepared by:

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

Manufacturer: C.P. Loewen Enterprises

Product Category: Doors

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

Product model & name: Lift & Slide Impact Sliding Glass Door

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1684

Door size restrictions and assembly requirements:

See drawing NO. 1684

Maximum allowable design pressure:

See drawing NO. 1684

Installation requirements:

See drawing No.1684

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapters 17 & 24

Glass:

All glass meets the current ASTM E1300 standard.

Test Standards applicable to the testing of these windows:

TAS-201, 202 & 203

Test Laboratory: Fenestration Testing Laboratory, Inc. & Intertek Architectural Testing Lab

Test report numbers: Fenestration Testing Lab 09-1578 (lab number 6108) & Intertec D5044.01-201-18. Note: All HVHZ test reports have been signed & sealed by a Florida P.E.

General report notes & system limitations:

1. All size & installation conditions shown in this report and the referenced drawing No. 1684 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. Debridging/thermal breaks are in accordance with ASTM G26, D638, D2843, D635 & D1929 per FBC.

Quality Assurance Entity: Window & Door Manufacturers Association (WDMA)

AUG 17 2017

Warren W. Schaefer, P.E.
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