

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

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ENGINEER'S EVALUATION REPORT #WWS-190

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: Mullions

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

Product model & name: 1" x 4.45" Non-Impact Wood Mullion

Documents that must accompany this report:

1. W. W. Schaefer Engineering & Consulting drawing No. 1444

Mullion size restrictions and assembly requirements:

See drawing NO. 1444

Maximum allowable design pressure:

See drawing NO. 1444

Installation requirements:

See drawing No. 1444

Code compliance:

Code section(s) considered with this evaluation:

FBC Chapter 17

Mullions:

Mullion conditions stated in this approval have been engineered in accordance with FBC.

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.

Test Standards applicable to the testing of these mullions:

N/A

Test Laboratory: N/A

Test report number: N/A

General report notes & system limitations:

1. All size & installation conditions shown in this report and the referenced drawing No. 1444 are based off engineering analysis in accordance with the Florida Building Code.
2. Mullions and their connectors 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 not approved for use in 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).
5. These mullions are non-impact rated. Therefore, the mullions and the windows/doors they support shall be protected by a Florida State approved shutter when required by the Florida Building Code.

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

JAN 08 2015

Warren W. Schaefer, P.E.
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