

PRODUCT EVALUATION REPORT
Mueller, Inc.

Roll-Up Door
Model W350

Florida Product Approval Number FL 29212.1

Category: Exterior Doors

Sub Category: Roll-Up Exterior Door Assembly

Compliance Method: 61G20-3.005 (1)(D)
NON-HVHZ

Product Manufacturer

Mueller, Inc.
1915 Hutchings Avenue
Ballinger, Texas 76821

Engineer Evaluator

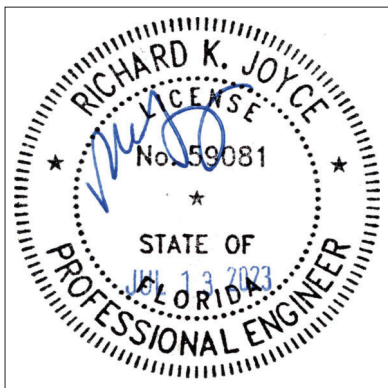
R. Keith Joyce, P.E., Florida 59081

Validator

Dennis L. Johnson, P.E., Florida 54340
Florida C.O.A. 30308

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Evaluation Report Pages 1-3 Dated 07-03-2023



Compliance Statement

The product described in this report has demonstrated compliance with the 2023 (8th Edition) Florida Building Code Chapter 17.

Testing Laboratory and Test Information

Farabaugh Engineering and Testing Inc.
Test Report T289-18 October 30, 2018
Test Standard ASTM-E330 & DASMA 108

Product Description

Mueller Model W350 Roll-Up Doors with wind locks

Panel Material Standard

Formed steel in compliance with the 2023 (8th Edition) Florida Building Code Section 1405.2 with optional painted finish.

Panel Fastener

Corrosion Resistant: See Installation Manual

Installation Requirements

Installation into steel framed opening only. Minimum 14 gauge Grade 55 steel.
Framing must be designed by a qualified design professional in accordance with the 2023 (8th Edition) Florida Building Code.

Quality Assurance Entity

The manufacturer has established compliance of products in accordance with the 2023 (8th Edition) Florida Building Code as relates to Rule 61G20-3.005(3) for manufacturing under a quality assurance program audited by an approved quality assurance entity.

Insulation

Not Insulated

Fire Classification

Fire Classification is outside the scope of this evaluation

Shear Diaphragm

Shear Diaphragm is outside the scope of this evaluation

Impact Resistance

Non-Impact Resistant

Air and Water Infiltration

Has not been evaluated

Design Procedure

Based on dimensions of the structure, appropriate wind loads are determined using chapter 16 of the 2023 (8th Edition) Florida Building Code for component loading of wall components. These component wind loads are compared to the allowable load listed in the **Allowable Wind Load Table** of this evaluation report. The design professional shall confirm that the proposed door selection meets the allowable positive and negative wind load for the installation location and conditions.

Mueller, Inc.

PRODUCT INFORMATION

Model W350 Roll-Up Door

Allowable Wind Load Table

Door Width (ft)	Load Direction	Door Height (ft)					Catenary Load (plf)
		8	10	12	14	16	
8 ft	Negative (psf)	-83.40	-85.66	-87.61	-89.32	-91.11	1464
	Positive (psf)	83.61	85.02	86.20	87.22	88.73	1478
10 ft	Negative (psf)	-66.72	-68.58	-70.18	-71.59	-72.86	1464
	Positive (psf)	66.89	68.03	68.99	69.82	70.56	1478
12 ft	Negative (psf)	-55.60	-57.19	-58.55	-59.76	-60.85	1464
	Positive (psf)	55.74	56.70	57.52	58.22	58.85	1478
14 ft	Negative (psf)	-47.66	-49.05	-50.24	-51.30	-52.25	1464
	Positive (psf)	47.78	48.62	49.32	49.93	50.48	1478
16 ft	Negative (psf)	-41.70	-42.94	-44.00	-44.94	-45.94	1464
	Positive (psf)	41.81	42.55	43.17	43.71	44.05	1478

Notes:

1. Installation into Minimum 14 Gauge Steel Jambs Grade 55 (Jamb Design by Others).
2. Door Jambs shall be designed to resist the listed catenary forces