

John E. Scates, Professional Engineer

December 20, 2023

doorLink Manufacturing Inc.
5700 NW 39th St
Riverside, MO 64150

Re: FL 08057
Evaluation Report for Residential Sectional doors

To Whom It May Concern:

At the request of doorLink Manufacturing Inc., I have reviewed the drawings and tests listed below and have concluded that the construction shown on these drawings comply with the structural requirements of the 8th Edition (2023) Florida Building Code. I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

Drawings

These products were tested to DASMA 108 (static):

Residential Open Back (pan), Series **4xx, 5xx**

RO9A_26.9_30.5 Rev02	Windload Rated Residential Garage Door
RO9A_30.0_31.0 Rev02	Windload Rated Residential Garage Door
RO9A_35.2_35.2 Rev02	Windload Rated Residential Garage Door
RO9A_36.5_41.5 Rev00	Windload Rated Residential Garage Door
RO10A_28.5_28.5 Rev01	Windload Rated Residential Garage Door
RO10A_36.5_41.0 Rev00	Windload Rated Residential Garage Door
RO12A_34.3_32.7 Rev01	Windload Rated Residential Garage Door
RO16A_22.0_24.5 Rev02	Windload Rated Residential Garage Door
RO16B_22.0_24.5 Rev02	Windload Rated Residential Garage Door
RO16A_25.7_24.5 Rev02	Windload Rated Residential Garage Door
RO16A_25.7_28.7 Rev02	Windload Rated Residential Garage Door (excludes 5xx Series)
RO16A_25.8_28.9 Rev02	Windload Rated Residential Garage Door
RO16A_30.0_30.0 Rev02	Windload Rated Residential Garage Door
RO16A_35.0_38.8 Rev02	Windload Rated Residential Garage Door
RO16B_35.0_38.8 Rev00	Windload Rated Residential Garage Door
RO16C_35.0_38.8 Rev00	Windload Rated Residential Garage Door
RO16D_35.0_38.8 Rev00	Windload Rated Residential Garage Door
RO18A_22.0_24.5 Rev02	Windload Rated Residential Garage Door
RO18A_25.7_28.7 Rev02	Windload Rated Residential Garage Door (excludes 5xx Series)
RO18B_25.7_28.7 Rev02	Windload Rated Residential Garage Door
RO18A_35.0_35.0 Rev02	Windload Rated Residential Garage Door
RO20A_28.4_28.4 Rev01	Windload Rated Residential Garage Door (excludes 5xx Series)

Residential Sandwich, Series **36xx, 37xx**

RS9A_26.9_30.5 Rev02	Windload Rated Residential Garage Door
RS10A_35.2_39.2 Rev01	Windload Rated Residential Garage Door
RS12A_29.3_32.7 Rev01	Windload Rated Residential Garage Door
RS16A_22.0_24.5 Rev02	Windload Rated Residential Garage Door
RS16A_25.7_28.7 Rev02	Windload Rated Residential Garage Door
RS16A_28.9_32.3 Rev01	Windload Rated Residential Garage Door
RS18A_22.0_24.5 Rev02	Windload Rated Residential Garage Door
RS18A_25.7_28.7 Rev02	Windload Rated Residential Garage Door
RS20A_20.8_23.2 Rev01	Windload Rated Residential Garage Door

Test Reports

Static tests:

CCL 23-178	CTLA 1684W-15
CCL 23-179	CTLA 1877W
CCL 23-180	CTLA 1877W-1
CCL 23-181	CTLA 1684W-18
CCL 23-182	CTLA 1598W
	CTLA 1684W-19
CTLA 1598W-5	CTLA 1877W-2
CTLA 1877W-3	
CTLA 1877W-4	CTLA 1598W-6
CTLA 1598W-4	CTLA 1598W-3
CTLA 1684W-14	CTLA 1684W-16
CTLA 1684W-17	CTLA 1598W-7
CTLA 1598W-2	CTLA 1598W-1

Test Facility

Tests were conducted by Certified Testing Laboratories in Orlando, FL, and Construction Consulting Laboratory in Carrollton, TX. These test facilities were accredited at the time of testing.

Static testing at CTLA was conducted in accordance with ASTM E330-02.

Static testing at CCL was per ANSI/DASMA 108-2017.

All testing complied with the requirements of **ANSI/DASMA 108-2017**.

All test reports were signed by a Florida PE.

The door construction and jamb attachment are fully described on the drawings, as is the rated design wind pressure. Tests were conducted on the lightest gage panel for each model and for various width doors. Various window options were incorporated into some test doors.

Installation

Anchorage Requirements:

The means to attach the door to the jambs is detailed on the drawings.

This Evaluation Report does not address design of the wall/jambs themselves. These drawings only illustrate common means to attach the door to the jambs. Walls and Jambs should be designed (by others) to withstand the loads imposed by door onto the building.

Model Descriptions

doorLink steel doors, Models 510, 590, 410, 420, 430, 440, 450, 460, 480, 490, 3610, 3620, 3630, 3640, 3650, 3660, 3680, 3690, 3700 covered in this report are manufactured using coldformed steel sections. Sections for these models are made either 18" or 21" in height. Combinations of sections are used to achieve the desired door heights.

Sections for Models **4xx** and **5xx** are open backed.

The door thickness of models 4xx and 5xx is 2".

Model 4xx uses 0.019" thick pan

Model 5xx uses 0.017" thick pan

Sections for Model **36xx** and **37xx** consists of front and back steel panels, filled with expanded polystyrene insulation, and bonded with polyurethane copolymer adhesive between the panels and the insulation. Internal hinge plates are mechanically fastened to the interior panel.

The door thickness of the sandwich door, Model 3610 is 2".

Model 36xx uses 0.015" thick exterior face with 0.014" thick interior face.

Model 37xx is a 36xx equivalent with printed plank woodgrain exterior.

Not all models within a Series may be available with each drawing configuration.

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.

Each door should be chosen based on the "psf" requirement determined for a specific installation or locale. The psf rating of each door is shown on the drawings.

The horizontal track may be reinforced with an angle as needed to support the door weight. The construction of the horizontal track, including the track thickness and additional support when needed, is determined by doorLink Manufacturing and does not affect this windload evaluation.

The rated pressures may not be achieved unless the door is held closed during the wind event. Vertical tracks must be engaged with a lock or locks as illustrated on the drawings, or alternately an electric drawbar operator attached to the door prior to the wind event.

These products *have not* been fully evaluated for use in the Florida High Velocity Hurricane Zone (HVHZ).

┌

John E. Scates, P.E.

Florida PE # 51737

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.