

John E. Scates, Professional Engineer

October 17, 2023

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

Re: FL 08071
Evaluation Report for Commercial 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):

Commercial open back (**Pan**)

CO9A_24.5_33.0 Rev02	Windload Rated Commercial Garage Door Models 4500, 4400
CO9A_33.0_37.0 Rev02	Windload Rated Commercial Garage Door Models 4500, 4400
CO10A_25.0_28.5 Rev02	Windload Rated Commercial Garage Door Models 4500, 4400
CO10A_33.0_37.0 Rev02	Windload Rated Commercial Garage Door Models 4500, 4400
CO12A_23.0_23.0 Rev02	Windload Rated Commercial Garage Door Models 4500, 4400
CO12A_28.0_31.0 Rev02	Windload Rated Commercial Garage Door Models 4500, 4400
CO12A_33.0_36.0 Rev02	Windload Rated Commercial Garage Door Models 4500, 4400
CO14A_20.6_22.9 Rev01	Windload Rated Commercial Garage Door Models 4500, 4400
CO14A_24.3_26.5 Rev01	Windload Rated Commercial Garage Door Models 4500, 4400
CO16A_18.7_20.4 Rev01	Windload Rated Commercial Garage Door Models 4500, 4400
CO16A_31.5_35.0 Rev02	Windload Rated Commercial Garage Door Models 4500, 4400
CO18A_24.9_28.1 Rev01	Windload Rated Commercial Garage Door Models 4500, 4400
CO20A_20.2_22.8 Rev01	Windload Rated Commercial Garage Door Models 4500, 4400

Commercial **Sandwich**

CS9A_33.0_37.0 Rev02	Windload Rated Commercial Garage Door Models 6500
CS10A_28.0_32.0 Rev02	Windload Rated Commercial Garage Door Models 6500
CS10A_33.0_37.0 Rev02	Windload Rated Commercial Garage Door Models 6500
CS12A_28.0_31.0 Rev02	Windload Rated Commercial Garage Door Models 6500
CS12A_33.0_36.0 Rev02	Windload Rated Commercial Garage Door Models 6500
CS14A_20.6_22.9 Rev01	Windload Rated Commercial Garage Door Models 6500
CS14A_24.3_26.5 Rev01	Windload Rated Commercial Garage Door Models 6500

CS16A_18.7_20.4 Rev01	Windload Rated Commercial Garage Door Models 6500
CS16A_27.0_30.0 Rev02	Windload Rated Commercial Garage Door Models 6500
CS18A_21.4_23.8 Rev01	Windload Rated Commercial Garage Door Models 6500
CS20A_17.3_19.3 Rev01	Windload Rated Commercial Garage Door Models 6500

Test Reports

Static tests:

CTLA 1684W-11	CTLA 1684W-13
CTLA 1684W-10	CTLA 1684W-9
CTLA 1684W-8	CTLA 1684W-5
CTLA 1684W-7	CTLA 1684W-6
CTLA 1684W-4	CTLA 1684W-2
CTLA 1684W	CTLA 1684W-3
CTLA 1684W-1	CTLA 1684W-12

Test Facility

Tests were conducted by Certified Testing Laboratories in Orlando, FL. This test facility was accredited at the time of testing.

Static pressure testing was conducted in accordance with ASTM E330-02. The testing also 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 the test doors. Also, both steel and nylon rollers were used. This procedure verified the use of heavier gage panels, all tested window options, and both steel and nylon rollers.

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 4400, 4500, and 6500 covered in this report are manufactured using cold-formed steel sections. Sections for these models are made either 21" or 24" in height. Combinations of sections are used to achieve the desired door heights.

Sections for Series **4000** are open backed.

The door thickness of series 4000 is 2".

Model 4400 uses 0.022" thick pan

Model 4500 uses 0.019" thick pan

Sections for Series **6500** 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, series 6500, is 2".

Model 6500 uses 0.019" thick exterior face with 0.014" interior face.

Additional Limitations

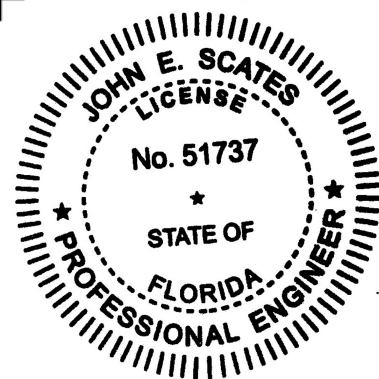
The drawings cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details but relies upon the illustrations and text of these drawings and instructions as well.

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. Both vertical tracks must be engaged with a lock (right and left side), 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).



Digitally signed by John E Scates
Date: 2023.10.17 16:42:49 -05'00'

John E. Scates, P.E.
Florida PE # 51737

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