

August 1, 2026

I have evaluated the wind load door designs as shown on the drawings listed below. I have reviewed the test reports, which were generated by accredited independent laboratories as required by the relevant Florida Administrative Rule, the engineering rational analysis, and the product drawings. The test reports are listed below. Assembly testing was conducted by American Test Lab North Carolina or by CBPC-ATC / CC-ATC in Mason, Ohio. Component testing was conducted by HETI and ETC.

For the doors in Tables 1 through 3, Static Pressure Tests were conducted in accordance with ASTM-E330-2002 or ANSI/DASMA 108-2005. The pressures listed on the drawings are either direct results of these tests or results obtained through engineering rational analysis based on actual tests. I have concluded that the door designs listed below in Tables 1 through 3 are in compliance with the test requirements of the Florida Building Code.

TABLE 1: Drawings for doors with Manufacturing Product Code (MPC) C-PAN-1E448:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
105410-Rev01	9'2"	18'0"	+18/-20	48404.1
105412-Rev01	9'2"	18'0"	+25/-25	48404.2
105032-Rev01	16'2"	18'0"	+25/-25	48404.3
105077-Rev02	20'2"	18'0"	+25/-25	48404.4
105196-Rev02	24'0"	18'0"	+25/-25	48404.5
101874-Rev13	8'0"	18'0"	+30/-30	48404.6
101875-Rev12	10'0"	18'0"	+30/-30	48404.7
101869-Rev13	12'2"	18'0"	+30/-30	48404.8
105033-Rev02	16'2"	18'0"	+32/-32	48404.9
105064-Rev02	22'2"	18'0"	+30/-30	48404.10
102445-Rev10	10'2"	18'0"	+37/-44	48404.11
102446-Rev10	12'0"	18'0"	+37/-42	48404.12

TABLE 2: Drawings for doors with Manufacturing Product Code (MPC) C-PAN-1E458:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
101856-Rev13	12'2"	18'0"	+25/-25	48404.13
105676-Rev00	9'2"	18'0"	+30/-30	48404.14

TABLE 3: Drawings for doors with Manufacturing Product Code (MPC) C-PAN-2F141:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
101762-Rev10	9'0"	16'0"	+25/-32	48404.15
101781-Rev09	16'2"	16'0"	+24/-24.5	48404.16

EVALUATION REPORT FOR CLOPAY CORPORATION SECTIONAL GARAGE DOORS: COMMERCIAL STEEL PAN PRODUCTS

The following test reports are based on testing conducted by Clopay Corporation at their Mason testing facility (accredited by ANAB for ASTM E330 and ANSI/DASMA 108 testing):

ATC 18-037 (8/17/18), ATC 18-038 (8/23/18), ATC 15-012 (5/7/15), ATC 15-026 (12/10/15), ATC 15-024 (10/30/15), ATC 20-013 (6/8/20), ATC 18-017 (3/21/18), ATC 18-011 (3/1/18), ATC 16-013 (9/20/16), ATC 13-023 (6/13/13), ATC 20-012 (6/3/20), ATC 20-008 (5/9/20), ATC 21-001 (1/15/21), ATC 22-012 (3/31/22), ATC 22-031 (10/21/22).

For the doors listed in Table 1, Static Pressure Tests were conducted in accordance with TAS 202-1994, ASTM-E330-2002 and ANSI/DASMA 108-2005. Missile Impact and Cyclic Pressure Tests were conducted in accordance with TAS 201-1994 and TAS 203-1994 and ASTM E1886-2005 and ASTM E1996-2009 and ANSI/DASMA 115-2005. The pressures listed on the drawings are either direct results of these tests or results obtained through engineering rational analysis based on actual tests. I have concluded that the door designs listed below in Table 4 are in compliance with the High Velocity Hurricane Zone test requirements of the Florida Building Code and therefore are qualified as impact-resistant assemblies (large missile impact).

TABLE 4: Drawings for doors with Manufacturing Product Code (MPC) C-PAN-1E448:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
102445-Rev10	10'2"	18'0"	+37/-42	48404.17
104811-Rev03	12'2"	18'0"	+36/-42	48404.18
104924-Rev03	14'2"	18'0"	+38/-42	48404.19
104858-Rev02	16'2"	18'0"	+38/-42	48404.20
104813-Rev01	12'2"	18'0"	+52/-58	48404.21
104812-Rev02	14'0"	18'0"	+52/-58	48404.22

The following test reports are based on testing conducted by American Test Lab at their North Carolina facility: ATL 0204.02-25 (2/11/25), ATL 0507.01-25 (5/12/25), ATL 0410.01-14 (6/25/14), ATL 0204.01-25 (2/11/25), ATL 0610.01-13 (1/14/14), ATL 0211.02-25 (2/25/25). These reports document compliance with the TAS or DASMA 115 testing standards and are signed by David Johnson (FL PE 61915).

Product Description for doors with MPC C-PAN-1E448:

These doors consist of 2" thick steel pan sections with min. 24 ga. (0.022") outer skins. The steel skin is at least G40 CS-B per ASTM A653. The maximum section height is 24". The sections may have EPS foam insulation inserted in the pan cavity. The following models are at least structurally equivalent to the tested door: 524, 524V, 524S, 520, 520S, C4ST, C4SV, C0ST, C0SS, 224, 224V, 224S. Not all models may be shown on a given drawing.

Product Description for doors with MPC C-PAN-1E458:

These doors consist of 2" thick steel pan sections with min. 25 ga. (0.019") outer skins. The steel skin is at least G40 CS-B per ASTM A653. The maximum section height is 24". The sections may have EPS foam insulation inserted in the pan cavity. The following models are at least structurally equivalent to the tested door: 525, 525V, 525S, 524, 524V, 524S, 520, 520S, C5ST, C5EST, C5SV, C5ESV, C5ESS, C5SS, C4ST, C4SV, C4SS, C0ST, C0SS, 225, 225S, 224, 224V, 224S. Not all models may be shown on a given drawing.

Product Description for doors with MPC C-PAN-2F141:

These doors consist of 2" thick steel pan sections with min. 24 ga. (0.022") skins. The steel skin is at least G40 CS-B per ASTM A653. The maximum section height is 21". The sections may have EPS foam insulation inserted into the pan cavity.

Limitations:

The drawing(s) cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details and relies on the illustrations and text of these drawings as well.

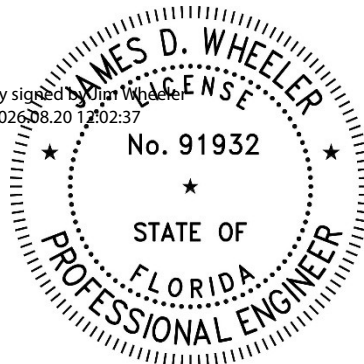
Jambs, lintels, sills or other structural elements required to prepare openings are not covered. The design of the supporting structural elements shall be the responsibility of the professional of record for the building or structure and in accordance with current building codes for the loads listed on the drawing(s) referenced above.

Installation requirements per the relevant Florida Administrative Rule, including attachments, are detailed on the drawing(s) listed above. Installation must be in accordance with manufacturer's installation instructions and must be as shown on the drawing(s) listed above. The manufacturer's licensed design professional listed on the drawing(s) has reviewed the attachment details and installation requirements.

Signature:

Jim Wheeler

Jim Wheeler, P. E.
Florida P. E. No. 91932



This document has been digitally signed and is valid without a physical signature. Third-party verification of the PDF can attest that the document has not been changed since it was signed. The printed document is just a copy and cannot be verified.