

August 21, 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. Component testing was conducted by HETI and ETC.

For the doors in Tables 1 through 5, Static Pressure Tests were conducted in accordance with ASTM-E330-2002 and 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 sectional garage door designs listed below in Tables 1 through 5 are in compliance with the wind load test requirements of the Florida Building Code. The tables are grouped by Manufacturing Product Code (MPC).

TABLE 1: Drawings for doors with MPC PAN-2F151/3/6:

DRAWING	MAX. WIDTH	MAX. HEIGHT	windCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
104677-Rev03	9'0"	16'0"	W3	+20.0/-21.0	40397.1
101308-Rev16	16'0"	16'0"	W3	+20.0/-21.0	40397.2
300159-B-Rev20	9'0"	16'0"	W4	+25.0/-32.0	40397.3
101711-B-Rev19	16'0"	16'0"	W4	+24.0/-24.5	40397.5
104946-B-Rev04	18'0"	16'0"	W4	+25.0/-27.0	40397.7
102110-B-Rev20	9'0"	16'0"	W5	+30.0/-32.0	40397.9
101593-B-Rev18	16'0"	16'0"	W5	+30.0/-30.0	40397.11
104698-B-Rev03	16'0"	16'0"	W5	+28.0/-30.5	40397.13
101922-B-Rev18	16'0"	16'0"	W5	+32.0/-32.0	40397.15
101348-B-Rev21	9'0"	16'0"	W6	+38.0/-44.0	40397.18
104710-B-Rev05	16'0"	16'0"	W6	+36.0/-46.0	40397.20
104761-B-Rev08	18'0"	16'0"	W6	+36.0/-46.0	40397.24

TABLE 2: Drawings for doors with MPC PANSP-1F151/6:

DRAWING	MAX. WIDTH	MAX. HEIGHT	windCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
103556-B-Rev09	9'0"	16'0"	W5	+32.0/-37.0	40397.34
104818-B-Rev03	16'0"	16'0"	W5	+32.0/-37.0	40397.36

TABLE 3: Drawings for Model 4F4 doors with MPC PAN-2F441:

DRAWING	MAX. WIDTH	MAX. HEIGHT	WindCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
105430-Rev02	16'0"	16'0"	W4	+25.0/-25.0	40397.38

TABLE 4: Drawings for Gallery/Artistry/Expressions with MPC PAN-2F441/3/6:

DRAWING	MAX. WIDTH	MAX. HEIGHT	WindCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
103486-B-Rev13	9'0"	16'0"	W4	+25.0/-32.0	40397.39
103454-B-Rev12	16'0"	16'0"	W4	+25.0/-25.0	40397.41
105109-B-Rev06	18'0"	16'0"	W4	+25.0/-25.0	40397.43
103487-Rev11	9'0"	16'0"	W5	+30.0/-32.0	40397.45
103471-Rev12	16'0"	16'0"	W5	+30.0/-30.0	40397.46
103488-B-Rev12	9'0"	16'0"	W6	+38.0/-44.0	40397.47
104790-B-Rev12	16'0"	16'0"	W6	+38.0/-42.0	40397.49

TABLE 5: Drawings for Bridgeport/Westport/Recessed doors with MPC PAN-2F441/3/6:

DRAWING	MAX. WIDTH	MAX. HEIGHT	WindCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
103486-B-Rev13	9'0"	16'0"	W4	+25.0/-32.0	40397.53
103454-B-Rev12	16'0"	16'0"	W4	+25.0/-25.0	40397.55
105109-B-Rev06	18'0"	16'0"	W4	+25.0/-25.0	40397.57
103487-Rev11	9'0"	16'0"	W5	+30.0/-32.0	40397.59
103471-Rev12	16'0"	16'0"	W5	+30.0/-30.0	40397.60
103488-B-Rev12	9'0"	16'0"	W6	+38.0/-44.0	40397.61
104790-B-Rev12	16'0"	16'0"	W6	+38.0/-42.0	40397.63

For the doors listed in Tables 6 through 10, 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 Tables 6 through 10 are in compliance with these High Velocity Hurricane Zone test requirements of the Florida Building Code and therefore are qualified as impact-resistant assemblies (large missile impact).

TABLE 6: Drawings for doors with MPC PAN-2F151/3/6:

DRAWING	MAX. WIDTH	MAX. HEIGHT	WindCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
300159-A-Rev20	9'0"	16'0"	W4	+25.0/-32.0	40397.4
101711-A-Rev19	16'0"	16'0"	W4	+24.0/-24.5	40397.6
104946-A-Rev04	18'2"	16'0"	W4	+25.0/-27.0	40397.8
102110-A-Rev20	9'0"	16'0"	W5	+30.0/-32.0	40397.10
101593-A-Rev18	16'0"	16'0"	W5	+30.0/-30.0	40397.12
104698-A-Rev03	16'0"	16'0"	W5	+28.0/-30.5	40397.14
101922-A-Rev18	16'0"	16'0"	W5	+32.0/-32.0	40397.16
101348-A-Rev21	9'0"	16'0"	W6	+38.0/-44.0	40397.19
104710-A-Rev05	16'0"	16'0"	W6	+36.0/-46.0	40397.21
104761-A-Rev08	18'0"	16'0"	W6	+36.0/-42.0	40397.25
101702-Rev14	9'0"	16'0"	W7	+42.0/-48.0	40397.26
104857-Rev012	16'0"	16'0"	W7	+42.0/-48.0	40397.27
101296-Rev15	9'0"	16'0"	W8	+46.0/-50.0	40397.29

TABLE 7: Drawings for doors with MPC DSIE-1F141:

DRAWING	MAX. WIDTH	MAX. HEIGHT	WindCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
104753-A-Rev05	16'0"	16'0"	W6	+38.0/-42.0	40397.23
104762-Rev04	18'0"	16'0"	W7	+41.0/-46.0	40397.28
103547-Rev06	9'0"	16'0"	W8	+48.0/-54.0	40397.30
103287-Rev05	9'0"	16'0"	W8	+54.0/-62.0	40397.31
104754-Rev04	16'0"	16'0"	W8	+46.0/-50.0	40397.32
104847-Rev03	9'0"	16'0"	W9	+62.0/-72.0	40397.33

TABLE 8: Drawings for doors with MPC PANSP-2F151:

DRAWING	MAX. WIDTH	MAX. HEIGHT	WindCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
103556-A-Rev09	9'0"	16'0"	W4	+32.0/-37.0	40397.35
104818-A-Rev03	16'0"	16'0"	W4	+32.0/-37.0	40397.37

TABLE 9: Drawings for Gallery/Artistry/Expressions doors with MPC PAN-2F441/3/6:

DRAWING	MAX. WIDTH	MAX. HEIGHT	WindCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
103486-A-Rev13	9'0"	16'0"	W4	+25.0/-32.0	40397.40
103454-A-Rev12	16'0"	16'0"	W4	+25.0/-25.0	40397.42
105109-A-Rev06	18'2"	16'0"	W4	+25.0/-25.0	40397.44
103488-A-Rev12	9'0"	16'0"	W6	+38.0/-44.0	40397.48
104790-A-Rev12	16'0"	16'0"	W6	+38.0/-42.0	40397.50
104121-Rev08	9'0"	16'0"	W8	+50.0/-58.0	40397.51
104791-Rev08	16'0"	16'0"	W8	+46.0/-52.0	40397.52

TABLE 10: Drawings for Bridgeport/Westport/Recessed doors with MPC PAN-2F441/3/6:

DRAWING	MAX. WIDTH	MAX. HEIGHT	WindCode Rating	DESIGN LOAD (PSF)	SUB-ITEM
103486-A-Rev13	9'0"	16'0"	W4	+25.0/-32.0	40397.54
103454-A-Rev12	16'0"	16'0"	W4	+25.0/-25.0	40397.56
105109-A-Rev06	18'2"	16'0"	W4	+25.0/-25.0	40397.58
103488-A-Rev12	9'0"	16'0"	W6	+38.0/-44.0	40397.62
104790-A-Rev12	16'0"	16'0"	W6	+38.0/-42.0	40397.64
104121-Rev08	9'0"	16'0"	W8	+50.0/-58.0	40397.65
104791-Rev08	16'0"	16'0"	W8	+46.0/-52.0	40397.66

Test Reports:

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 18-003 (2/12/18), ATC 18-021 (3/30/18).

The following test reports are based on testing conducted by American Test Lab at their North Carolina testing facility:

ATLNC# 1110.01-11 (12/8/11), ATLNC# 1116.01-11R (2/23/11), ATLNC# 1122.01-11R (2/23/11), ATLNC# 1206.01-12 (1/23/13), ATLNC# 0719.01-23 (8/31/23), ATLNC# 0719.02-23 (8/31/23), ATLNC# 1214.01-15 (2/5/16), ATLNC# 1023.01-17 (11/7/17), ATLNC# 0713.01-23 (8/31/23), ATLNC# 1009.01-12R (11/20/12), ATLNC# 0223.01-12 (3/27/12), ATLNC# 0220.01-12 (3/27/12), ATLNC# 0214.01-12 (3/27/12), ATLNC# 0106.01-25 (11/25/25), ATLNC# 0423.01-24 (5/1/24), ATLNC# 0422.01-13 (5/30/13), ATLNC# 0902.01-25 (10/15/25), ATLNC# 1202.02-13 (1/14/14).

These reports document compliance with the TAS testing standards and are signed and sealed by David Johnson, FL PE 61915.

Product Description for doors with MPC DSIE-1A171:

These doors consist of 1-3/8" double-skin insulated sections with an EPS core laminated to both skins. Outer skins are min. 27 ga. (0.016") G40 DDS per ASTM A653. The maximum section height is 21". The following models are at least structurally equivalent to the tested door: 2050, 4050, 2051, 4051, 2053, 4053, 62, 62G, 62LG, 6130, 65, 65G, 6131, 64, 64G, 6133, 135, SDP38, 136, SFL38, 134, SRP38. Not all models may be shown on a given drawing.

Product Description for doors with MPC DSIE-1F171:

These doors consist of 2" double-skin insulated sections with an EPS core laminated to both skins. Both inner and outer skins are min. 27 ga. (0.016") G40 DDS per ASTM A653. The maximum section height is 21". These doors may have optional Impact-Resistant Glazing (IM). Optional Impact-Resistant Glazing (IM) is a one-piece injection-molded front frame and glazing. The following models are at least structurally equivalent to the tested door: 4300, 4301, 4310, HDG, HDGL, HDGF, 66, 66G, 67, 67G, 68, 6200, 6201, 6203, SP200, SF200, SE200. Not all models may be shown on a given drawing.

Product Description for doors with MPC DSIE-1A471:

These doors consist of 1-3/8" double-skin insulated sections with an EPS core laminated to both skins. Outer skins are min. 27 ga. (0.016") G40 DDS per ASTM A653. The maximum section height is 24". The following models are at least structurally equivalent to the tested door: GD1SP, GR1SP, GD1LP, GR1LP, AR1SP, AR1LP, ED1SP, ED1LP, 4132, 2132, 6132, SFC38, MFC38. Not all models may be shown on a given drawing.

Product Description for doors with MPC DSIE-1F471:

These doors consist of 2" double-skin insulated sections with an EPS core laminated to both skins. Both inner and outer skins are min. 27 ga. (0.016") G40 per ASTM A653. The maximum section height is 24". These doors may have optional Impact-Resistant Glazing (Aluminum). Optional Impact-Resistant Glazing is an aluminum front frame and a separate polycarbonate glazing. The following models are at least structurally equivalent to the tested door: GD2SP, GR2SP, GD2LP, GR2LP, AR2SP, AR2LP, ED2SP, ED2LP, 4302, HDGC, 6202, MFC68, 4305, HDGR, MFR68, 6205, SFR68. Not all models may be shown on a given drawing.

Impact Resistant Glazing (Aluminum):

The optional impact resistant glazing consists of an aluminum front frame and aluminum interior retainer encasing a polycarbonate glazing that is an approved C1 plastic in accordance with testing required by FBC-B 2606 and complies with FBC-B 2615 testing requirements. Approved polycarbonate materials are Sabic IP Lexan 9034 (versions also approved: MR10, XL-10) and Plaskolite TUFFAK AR (TUFFAK versions also approved: SL, GP). Approval based on review of NOA 24-1023.03 (Sabic) and NOA 24-0205.09 (Plaskolite) and manufacturer's product datasheets.

Impact Resistant Glazing (Molded):

The optional impact resistant glazing is an injection-molded polycarbonate front frame and glazing (LEXAN SLX2432T) that is an approved C1 plastic in accordance with testing required by FBC-B 2606. FBC-B 2615 compliance based on review of the following tests:

HETI-06-A002 ASTM G155; HETI-06-T566 ASTM D638 (before); HETI-06-T634 ASTM D638 (after); ETC-06-1024-17496.0 ASTM D2843, ASTM D635, ASTM D1929.

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

Digitally signed by Jim Wheeler
Date: 2026.09.30 12:14:00 -0400

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

