

August 14, 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 4, 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 4 are in compliance with the test requirements of the Florida Building Code.

TABLE 1: Drawings for Doors with Manufacturing Product Code (MPC) C- DSIU-1A171

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
104175-Rev04	9'0"	16'0"	+20/-21	47958.6
104168-Rev04	16'0"	16'0"	+20/-21	47958.7
104947-Rev02	9'0"	16'0"	+25/-28	47958.1
104704-Rev02	16'0"	16'0"	+24/-26.5	47958.2
104887-Rev02	18'2"	16'0"	+24/-26	47958.3
104866-B-Rev04	9'0"	16'0"	+33/-37	47958.4
104191-Rev04	16'0"	16'0"	+32/-32	47958.5
104180-Rev02	9'0"	16'0"	+37/-37	47958.8

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) or by American Test Lab at their North Carolina facility:

ATC 12-006 (3/26/12), ATC 17-007 (6/27/17), ATC 14-003 (1/30/14), ATC 14-002 (1/20/14), ATC 14-005 (3/12/14), ATC 14-004 (2/11/14), ATC 14-004A (2/11/14), ATC 18-003 (2/12/18), and ATC 23-015 (10/13/23).

TABLE 2: Drawings for doors with Manufacturing Product Code (MPC) C- DSIU-1A471:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
104424-Rev02	9'0"	16'0"	+20/-21	47958.9
104425-Rev02	16'0"	16'0"	+20/-21	47958.10
104426-Rev01	9'0"	16'0"	+30/-32	47958.11
104427-Rev02	16'0"	16'0"	+30/-30	47958.12

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) or

EVALUATION REPORT FOR CLOPAY CORPORATION SECTIONAL GARAGE DOORS: RESIDENTIAL 3-LAYER DOORS WITH FIP INSULATION

by American Test Lab at their North Carolina facility:

ATC 18-020 (3/29/18), ATC 18-024 (4/27/18), ATC 21-002 (3/30/21), ATC 18-026 (5/15/18)

TABLE 3: Drawings for doors with Manufacturing Product Code (MPC) DSIU-1F171:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
104183-Rev04	9'0"	16'0"	+28/-29	47958.13
104169-Rev04	16'0"	16'0"	+25.5/-25.5	47958.14
104260-Rev04	18'0"	16'0"	+25/-25	47958.15
104188-Rev03	9'0"	16'0"	+30/-32	47958.16
104184-B-Rev05	9'0"	16'0"	+38/-44	47958.17
104234-B-Rev02	16'2"	16'0"	+37/-41	47958.19
104879-B-Rev05	16'2"	16'0"	+38/-42	47958.21
104777-B-Rev04	18'2"	16'0"	+38/-42	47958.23

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) or by American Test Lab at their North Carolina facility:

ATC 22-011 (3/31/22), ATC 23-008 (4/20/23), ATC 17-011 (11/7/17), ATC 18-023 (4/3/2018), ATC 12-041 (11/27/12), ATC 11-002 (8/11/11), ATL-0801.01-12 (8/15/12), ATL-1002.01-12 (11/7/12),

TABLE 4: Drawings for doors with Manufacturing Product Code (MPC) DSIU-1F471:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
104428-B-Rev04	9'0"	16'0"	+28/-29	47958.28
104429-B-Rev04	16'0"	16'0"	+25/-25	47958.30
104431-Rev04	16'0"	16'0"	+30/-30	47958.33
104432-B-Rev08	9'0"	16'0"	+38/-44	47958.34
104820-B-Rev06	16'2"	16'0"	+38/-42	47958.36
104821-B-Rev06	18'2"	16'0"	+38/-42	47958.38

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) or by American Test Lab at their North Carolina facility:

ATC 14-030 (11/19/14), ATC 16-010 (8/1/16), ATC 18-002 (2/1/18), ATL-0304.01-13 (5/1/13), ATL-0115.01-13R (3/18/13), ATL-0422.01-13 (5/30/13)

For the doors listed in Tables 5 through 6, 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 5 through 6 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 5: Drawings for doors with Manufacturing Product Code (MPC) DSIU-1F171:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
104184-A-Rev05	9'0"	16'0"	+38/-44	47958.18
104234-A-Rev02	16'2"	16'0"	+37/-41	47958.20
104879-A-Rev05	16'2"	16'0"	+38/-42	47958.22
104777-A-Rev04	18'2"	16'0"	+38/-42	47958.24
104185-Rev03	9'0"	16'0"	+48/-60	47958.25
104778-Rev05	16'2"	16'0"	+46/-52	47958.26
104779-Rev04	18'2"	16'0"	+46/-50	47958.27

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

ATL-0924.01-07 (11/5/2007), ATL-0128.01-08 (3/13/2008), ATL-0801.01-12 (8/15/12), ATL-1002.01-12 (11/7/12), ATL-0609.01-09 (7/28/2009), ATL-0827.0-12 (10/09/12) and ATL-1009.01-12R (11/20/12). These report documents are in compliance with the TAS testing standards and are signed by David Johnson, FL PE 61915.

TABLE 6: Drawings for doors with Manufacturing Product Code (MPC) C- DSIU-1F471:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
104428-A-Rev04	9'0"	16'0"	+28/-29	47958.29
104429-A-Rev04	16'0"	16'0"	+25/-25	47958.31
104430-Rev02	18'0"	16'0"	+25/-25	47958.32
104432-A-Rev08	9'0"	16'0"	+38/-44	47958.35
104820-A-Rev06	16'2"	16'0"	+38/-42	47958.37
104821-A-Rev06	18'2"	16'0"	+38/-42	47958.39
104435-Rev08	9'0"	16'0"	+54/-60	47958.40
104822-Rev07	16'2"	16'0"	+46/-52	47958.41

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

ATL-0223.01-12 (2/23/2012), ATL-0220.01-12 (2/20/2012), ATL-0214.01-12 (2/4/2012), ATL-0606.01-05 (7/29/2005), ATL-0115.01-13R (3/18/13), ATL-0422.01-13 (5/30/13), ATL-0326.01-13 (5/1/13), ATL-0117-01-13R (3/18/13), ATL-0902.01-25 (10/15/25). These report documents are in compliance with the TAS testing standards and are signed by David Johnson, FL PE 61915.

Product Description for doors with MPC C-DSIU-1A171:

These doors consist of 1-3/8" double-skin insulated sections with a PUR core laminated to both skins. 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 (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: 9130, 9131, 9133, HDP13, HDPF13, HDPL13, 7130, 7131, 7133, 8130, 8131, 8133. Not all models may be shown on a given drawing.

Product Description for doors with MPC C-DSIU-1A471:

These doors consist of 1-3/8" double-skin insulated sections with a PUR core laminated to both skins. Outer skins are min. 27 ga. (0.016") G40 DDS 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: GD1SU, GD1LU, GR1SU, GR1LU, BD1EU, BR1EU, BD1NU, BR1NU, AR1SU, AR1LU, PR1EU, PR1NU, ED1SU, ED1LU. Not all models may be shown on a given drawing.

Product Description for doors with MPC DSIU-1F171:

These doors consist of 2" double-skin insulated sections with a PUR core laminated to both skins. 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 (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: 9200, 9201, 9203, HDP20, HDPF20, HDPL20, 7200, 7201, 7203, 8200, 8201, 8203. Not all models may be shown on a given drawing.

Product Description for doors with MPC C-DSIU-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

EVALUATION REPORT FOR CLOPAY CORPORATION SECTIONAL GARAGE DOORS: RESIDENTIAL 3-LAYER DOORS WITH FIP INSULATION

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.

Track Options:

Unless otherwise stated on drawing, 2" bracket mount track can be upgraded to 2" or 3" angle track.

Jamb Attachment Options:

See DASMA TDS-161 for additional jamb attachment options.

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: 2026.08.18 16:49:32
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Jim Wheeler, P. E.
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