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Product Approval
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FL #	FL16107-R20						
Application Type	Revision						
Code Version	2023						
Application Status	Approved						
Comments							
Archived	<input type="checkbox"/>						
Product Manufacturer	Clopay Building Products Company						
Address/Phone/Email	8585 Duke Blvd. Mason, OH 45040 (513) 770-4641 jwheeler@clopay.com						
Authorized Signature	Jim Wheeler jwheeler@clopay.com						
Technical Representative							
Address/Phone/Email							
Quality Assurance Representative							
Address/Phone/Email							
Category	Exterior Doors						
Subcategory	Sectional Exterior Door Assemblies						
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received						
Florida Engineer or Architect Name who developed the Evaluation Report	Jim Wheeler						
Florida License	PE-91932						
Quality Assurance Entity	Intertek Testing Services NA, Inc. - QA Entity						
Quality Assurance Contract Expiration Date	12/31/2030						
Validated By	Gary Pfuehler <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received						
Certificate of Independence	FL16107_R20_COI_Certification_of_Independence_of_Validation_Entity-Gary_Pfuehler.pdf FL16107_R20_COI_Statement_on_Independence_of_Evaluation_Entity-ScottHamilton_120424.pdf						
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>ANSI/DASMA 108</td> <td>2005</td> </tr> <tr> <td>ANSI/DASMA 115</td> <td>2005</td> </tr> </tbody> </table>	Standard	Year	ANSI/DASMA 108	2005	ANSI/DASMA 115	2005
Standard	Year						
ANSI/DASMA 108	2005						
ANSI/DASMA 115	2005						

ASTM E1886	2005
ASTM E1996	2009
ASTM E330	2002
TAS 201	1994
TAS 202	1994
TAS 203	1994

Equivalence of Product Standards Certified By

Florida Licensed Professional Engineer or Architect
[FL16107 R20 Equiv 20200812 - FBC - ASTM 1886-1996 equiv.pdf](#)
[FL16107 R20 Equiv 20230712 - FBC - ASTM E330 equiv s.pdf](#)

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted	12/15/2025
Date Validated	12/15/2025
Date Pending FBC Approval	12/17/2025
Date Approved	02/10/2026

Summary of Products

Go to Page 

FL #	Model, Number or Name	Description
16107.21	21 W8-16 DSIE-1F471: GD2SP, GR2SP, GD2LP, GR2LP, AR2SP, AR2LP, ED2SP, ED2LP, 4302, HDGC, 6202, MFC68, 4305, HDGR, 6205, SFR68, MFR68	Double-skin Insulated EPS (exterior skin 27 ga. min.; interior skin 27 ga. min.) Double-Car (9'2" to 16'2" wide) WINDCODE® W8 Garage Door with Optional Impact-Resistant Lites
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +46 PSF/-52 PSF Other: Max. Wind Speed (V _{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).		Installation Instructions FL16107 R20 II 104786-Rev07.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107 R20 AE CBPC 130214-A-05.pdf Created by Independent Third Party: No
16107.22	22 W6-09 DSIE-1F171: 4400, 4401, 4301, 4300, 4301, 4310, HDG, HDGL, HDGF, 66, 66G, 67, 67G, 68, SP200, SF200, SE200, 6200, 6201, 6203	Double-skin Insulated EPS (exterior skin 27 ga. min.; interior skin 27 ga. min.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +38 PSF/-44 PSF Other: Max. Wind Speed (V _{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).		Installation Instructions FL16107 R20 II 101526-A-Rev22.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107 R20 AE CCER 250615-A-01.pdf Created by Independent Third Party: No
16107.23	23 W6-09 DSIE-1F171: 4400, 4401, 4300, 4301, 4310, HDG, HDGL, HDGF, 66, 66G, 67, 67G, 68, SP200, SF200, SE200, 6200, 6201, 6203	Double-skin Insulated EPS (exterior skin 27 ga. min.; interior skin 27 ga. min.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes		Installation Instructions FL16107 R20 II 101526-B-Rev22.pdf Verified By: Scott Hamilton FL PE 63286

	<p>Impact Resistant: No Design Pressure: +38 PSF/-44 PSF Other: Doors with standard glazing meet the wind load requirements of the building code but DO NOT meet the impact resistant requirement for windborne debris regions.</p>	<p>Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130214-A.pdf Created by Independent Third Party: No</p>
16107.24	24 W6-09 PAN-2F153: 84A, 94, 96, 96V, 73, 75, 75L, 76, 76V, 1500, 190, 4RST, 4RSF, 4F, 6RST, 6RSF, 48, 42, 55, 48B, 42B, 55S, GD5S, GD5SV, GR5S, GR5SV, AR5S, AR5SV, ED5S, ED5SV	Steel Pan (min. 25 ga.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites
	<p>Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +38 PSF/-44 PSF Other: Max. Wind Speed (V_{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).</p>	<p>Installation Instructions FL16107_R20_II_101348-A-Rev20_s.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CCER_250623-A-01.pdf Created by Independent Third Party: No</p>
16107.25	25 W6-09 PAN-2F153: 84A, 94, 96, 96V, 73, 75, 75L, 76, 76V, 1500, 190, 4RST, 4RSF, 4F, 6RST, 6RSF, 48, 42, 55, 48B, 42B, 55S, GD5S, GD5SV, GR5S, GR5SV, AR5S, AR5SV, ED5S, ED5SV	Steel Pan (min. 25 ga.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door
	<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38 PSF/-44 PSF Other: Doors with standard glazing meet the wind load requirements of the building code but DO NOT meet the impact resistant requirement for windborne debris regions.</p>	<p>Installation Instructions FL16107_R20_II_101348-B-Rev20_s.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130214-A.pdf Created by Independent Third Party: No</p>
16107.26	26 W6-09 PAN-2F156: 75L, 76, 76V, 96, 96V, 2RST	Steel Pan (min. 25 ga.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door
	<p>Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +38 PSF/-44 PSF Other: Max. Wind Speed (V_{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).</p>	<p>Installation Instructions FL16107_R20_II_101348-A-Rev20_s.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130214-A.pdf Created by Independent Third Party: No</p>
16107.27	27 W6-09 PAN-2F156: 75L, 76, 76V, 96, 96V, 2RST	Steel Pan (min. 25 ga.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door
	<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38 PSF/-44 PSF Other: Doors with standard glazing meet the wind load requirements of the building code but DO NOT meet the impact resistant requirement for windborne debris regions.</p>	<p>Installation Instructions FL16107_R20_II_101348-B-Rev20_s.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130214-A.pdf Created by Independent Third Party: No</p>
16107.28	28 W6-09 DSIE-1A171: 2050, 2051, 2053, 4050, 4051, 4053, 62, 64, 65, 62G, 62LG, 64G, SDP38, SFL38, SRP38, 134, 135, 136, 6130, 6131, 6133	Double-skin Insulated EPS(exterior skin 27 ga. min.; interior skin 29 ga. min.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door
	<p>Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +36 PSF/-44 PSF Other: Max. Wind Speed (V_{ult}): 170 MPH. Solid doors are impact-resistant (large missile impact).</p>	<p>Installation Instructions FL16107_R20_II_104814-A-Rev01.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130423-A.pdf Created by Independent Third Party: No</p>

16107.29	29 W6-09 DSIE-1A171: 2050, 2051, 2053, 4050, 4051, 4053, 62, 64, 65, 62G, 62LG, 64G, SDP38, SFL38, SRP38, 134, 135, 136, 6130, 6131, 6133	Double-skin Insulated EPS(exterior skin 27 ga. min.; interior skin 29 ga. min.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +36 PSF/-44 PSF Other: Doors with standard glazing meet the wind load requirements of the building code but DO NOT meet the impact resistant requirement for windborne debris regions.		Installation Instructions FL16107_R20_II_104814-B-Rev01.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130423-A.pdf Created by Independent Third Party: No
16107.30	30 W6-09 DSIE-1F471: GD2SP, GR2SP, GD2LP, GR2LP, AR2SP, AR2LP, ED2SP, ED2LP, 4302, HDGC, 6202, MFC68, 4305, HDGR, 6205, SFR68, MFR68	Double-skin Insulated EPS (exterior skin 27 ga. min.; interior skin 27 ga. min.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +38 PSF/-44 PSF Other: Max. Wind Speed (V _{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).		Installation Instructions FL16107_R20_II_103954-A-Rev07.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130423-A-08.pdf Created by Independent Third Party: No
16107.31	31 W6-09 DSIE-1F471: GD2SP, GR2SP, GD2LP, GR2LP, AR2SP, AR2LP, ED2SP, ED2LP, 4302, HDGC, 6202, MFC68, 4305, HDGR, 6205, SFR68, MFR68	Double-skin Insulated EPS (exterior skin 27 ga. min.; interior skin 27 ga. min.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38 PSF/-44 PSF Other: Doors with standard glazing meet the wind load requirements of the building code but DO NOT meet the impact resistant requirement for windborne debris regions.		Installation Instructions FL16107_R20_II_103954-B-Rev06.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130423-A.pdf Created by Independent Third Party: No
16107.32	32 W6-09 PAN-2F443: G4S, GS4, GD4S, GR4S, G4SV, GS4V, GD4SV, GR4SV, E4S, ED4S, E4SV, ED4SV, SS4, AR4S, SS4V, AR4SV	Gallery/Artistry/Expressions: Steel Pan (min. 24 ga.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +38 PSF/-44 PSF Other: Max. Wind Speed (V _{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).		Installation Instructions FL16107_R20_II_103488-A-Rev10.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130423-A-08.pdf Created by Independent Third Party: No
16107.33	33 W6-09 PAN-2F443: G4S, GS4, GD4S, GR4S, G4SV, GS4V, GD4SV, GR4SV, E4S, ED4S, E4SV, ED4SV, SS4, AR4S, SS4V, AR4SV	Gallery/Artistry/Expressions: Steel Pan (min. 24 ga.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38 PSF/-44 PSF Other: Doors with standard glazing meet the wind load requirements of the building code but DO NOT meet the impact resistant requirement for windborne debris regions.		Installation Instructions FL16107_R20_II_103488-B-Rev10.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16107_R20_AE_CBPC_130423-A.pdf Created by Independent Third Party: No

16107.34	34 W6-09 PAN-2F446: G4L, GL4, GD4L, GR4L, G4LV, GL4V, GD4LV, GR4LV, E4L, ED4L, E4LV, ED4LV, SL4, AR4L, SL4V, AR4LV, BD4E, BR4E, PR4E, RR4E, BD4N, BR4N, PR4N, RR4N, BD4EV, BR4EV, PR4EV, RR4EV, BD4NV, BR4NV, PR4NV, RR4NV, BD4C, BD4CV, BR4C, BR4CV, PR4C	Gallery/Artistry/Expressions // Bridgeport/Westport/Recessed: Steel Pan (min. 24 ga.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +38 PSF/-44 PSF Other: Max. Wind Speed (V _{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).		Installation Instructions FL16107 R20 II 103488-A-Rev11.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107 R20 AE CBPC 130423-A-09.pdf Created by Independent Third Party: No
16107.35	35 W6-09 PAN-2F446: G4L, GL4, GD4L, GR4L, G4LV, GL4V, GD4LV, GR4LV, E4L, ED4L, E4LV, ED4LV, SL4, AR4L, SL4V, AR4LV, BD4E, BR4E, PR4E, RR4E, BD4N, BR4N, PR4N, RR4N, BD4EV, BR4EV, PR4EV, RR4EV, BD4NV, BR4NV, PR4NV, RR4NV, BD4C, BD4CV, BR4C, BR4CV, PR4C	Gallery/Artistry/Expressions // Bridgeport/Westport/Recessed: Steel Pan (min. 24 ga.) Single-Car (up to 9'0" wide) WINDCODE® W6 Garage Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38 PSF/-44 PSF Other: Doors with standard glazing meet the wind load requirements of the building code but DO NOT meet the impact resistant requirement for windborne debris regions.		Installation Instructions FL16107 R20 II 103488-B-Rev10.pdf FL16107 R20 II 103488-B-Rev11.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107 R20 AE CBPC 130423-A-09.pdf Created by Independent Third Party: No
16107.36	36 W6-16 PAN-2F443: GD4S, GR4S, ED4S, AR4S	Gallery/Artistry/Expressions: Steel Pan (min. 24 ga.) Double-Car (9'2" to 16'2" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +38 PSF/-42 PSF Other: Max. Wind Speed (V _{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).		Installation Instructions FL16107 R20 II 104790-A-Rev11.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107 R20 AE CBPC 130423-A-08.pdf Created by Independent Third Party: No
16107.37	37 W6-16 PAN-2F443: GD4S, GR4S, ED4S, AR4S	Gallery/Artistry/Expressions: Steel Pan (min. 24 ga.) Double-Car (9'2" to 16'2" wide) WINDCODE® W6 Garage Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38 PSF/-42 PSF Other: Doors with standard glazing meet the wind load requirements of the building code but DO NOT meet the impact resistant requirement for windborne debris regions.		Installation Instructions FL16107 R20 II 104790-B-Rev11.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107 R20 AE CBPC 130423-A-08.pdf Created by Independent Third Party: No
16107.38	38 W6-16 PAN-2F446: GD4L, GR4L, ED4L, AR4L, BD4E, BR4E, PR4E, RR4E, BD4N, BR4N, PR4N, RR4N, BD4C, BR4C, PR4C	Gallery/Artistry/Expressions // Bridgeport/Westport/Recessed: Steel Pan (min. 24 ga.) Double-Car (9'2" to 16'2" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +38 PSF/-42 PSF Other: Max. Wind Speed (V _{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-		Installation Instructions FL16107 R20 II 104790-A-Rev12.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107 R20 AE CBPC 130423-A-09.pdf Created by Independent Third Party: No

resistant (large missile impact).		
16107.39	39 W6-16 PAN-2F446: GD4L, GR4L, ED4L, AR4L, BD4E, BR4E, PR4E, RR4E, BD4N, BR4N, PR4N, RR4N, BD4C, BR4C, PR4C	Gallery/Artistry/Expressions // Bridgeport/Westport/Recessed: Steel Pan (min. 24 ga.) Double-Car (9'2" to 16'2" wide) WINDCODE® W6 Garage Door
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +38 PSF/-42 PSF Other: Doors with standard glazing meet the wind load requirements of the building code but DO NOT meet the impact resistant requirement for windborne debris regions.		Installation Instructions FL16107 R20 II 104790-B-Rev12.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107 R20 AE CBPC 130423-A-09.pdf Created by Independent Third Party: No
16107.40	40 W8-09 DSIE-1F471: GD2SP, GR2SP, GD2LP, GR2LP, AR2SP, AR2LP, ED2SP, ED2LP, 4302, HDGC, 6202, MFC68, 4305, HDGR, 6205, SFR68, MFR68	Double-skin Insulated EPS (exterior skin 27 ga. min.; interior skin 27 ga. min.) Single-Car (up to 9'0" wide) WINDCODE® W8 Garage Door with Optional Impact-Resistant Lites
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +54 PSF/-60 PSF Other: Max. Wind Speed (V _{ult}): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).		Installation Instructions FL16107 R20 II 104119-Rev06.pdf Verified By: James D. Wheeler FL PE 91932 Created by Independent Third Party: No Evaluation Reports FL16107 R20 AE CBPC 130423-A-08.pdf Created by Independent Third Party: No

Go to Page 

 Page 2 / 3

[Back](#) [Next](#)

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Product Approval Accepts:



'CLASSIC' RAISED PANEL EMBOSS DDORS		'CARRIAGE HOUSE' RAISED PANEL EMBOSS DDORS	
MODELS	24 GA 25 GA 24 GA 25 GA	25 GA	25 GA
CLIPPAY	84A, 94 73, 75 96, 96V 75L, 76, 76V	GDSS, GRSS	---
IDEAL	4RST, 4F*	ARSS	---
HOLMES	4B, 4BB 42, 42B	EDSS	---
SHORT PANEL LONG PANEL		SHORT PANEL LONG PANEL	

REV. NO.	ZONE	DATE	ECN NO.	APPVD:	DESCRIPTION
18	-	5/19/16	-	SH	REVISED ROLLER CALL-OUT.
19	-	11/16/20	-	JW	UPDATED TITLE BLOCK AND REMOVED WIND CHART.
20	-	2/23/24	-	JDW	ADDED M/N 75L, 96, 96V.

OPTIONAL GLAZING MAY BE STANDARD OR IMPACT RESISTANT GLAZING. SEE SECTION B-B ON SHEET 2 FOR DETAILS. MAX. STANDARD SIZE IS 19-1/2"x16". IMPACT RESISTANT GLAZING IS 21-5/8"x14"-1/8". MAX DLO SIZE IS 18-1/2"x11".

SHORT PANEL/FLUSH MODELS: (1) INTERMEDIATE STILE BETWEEN EACH EMBOSS [(3) STILES PER SECTION AT 90° WIDE]. EACH INTERM. STILE ATTACHED WITH TOG-L-LOC (TOP & BOTTOM) AND URETHANE ADHESIVE (ALONG CENTER).

LONG PANEL MODELS: (3) TOTAL STILES PER SECTION. (1) STANDARD INTERMEDIATE STILE BETWEEN EACH EMBOSS. EACH STANDARD INTERM. STILE ATTACHED WITH TOG-L-LOC (TOP & BOTTOM) AND URETHANE ADHESIVE (ALONG CENTER). EXTRA INTERM. STILES (1) PER LONG PANEL PER SECTION, FIELD-INSTALLED WITH (4) #8 SMS (PER STILE).

END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM, & CENTER). SEE END HINGE VIEW B.

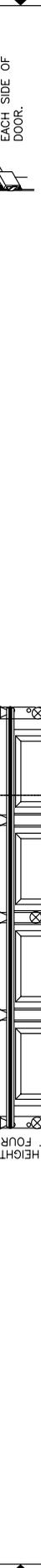
SEE INTERMED. HINGE VIEW C.

TWO POINT LOCKING INTO TRACK



MAX. DOOR HEIGHT = 16'-0" (7) HEIGHT FOUR SECTION DOOR SHOWN

'CLASSIC' SHORT RAISED-PANEL SHOWN. LONG 'CLASSIC' AND SHORT 'CARRIAGE HOUSE' ARE ALSO APPROVED.



14 GA. END HINGES 18 GA. INTERMEDIATE HINGE VIEW "B"

MAX. DOOR WIDTH = 9'-0" INSIDE ELEVATION

'CLASSIC' SHORT RAISED-PANEL SHOWN. LONG 'CLASSIC' AND SHORT 'CARRIAGE HOUSE' ARE ALSO APPROVED.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.

CLASSIC/ RAISED PANEL EMBOSS DDDRS		'CARRIAGE HOUSE' RAISED PANEL EMBOSS DDDRS	
MODELS	24 GA 25 GA 24 GA 25 GA	MODELS	25 GA 25 GA
CLIPPAY	84A, 94 73, 75 96, 96V 75L, 76, 76V	CLIPPAY	GDS, GRSS
IDEAL	4RST, 4F*	HOLMES	ARSS
HOLMES	4B, 4BB 42, 42B	IDEAL	EDSS
	SHORT PANEL LONG PANEL	'CARRIAGE HOUSE'	SHORT PANEL LONG PANEL

REV. NO.	ZONE	DATE	ECN NO.	APPVD:	DESCRIPTION
19					SEE REVISION HISTORY ON SHEET ONE.

3 OF 4 SHEET: 19

REVISIONS

VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
 3/8"x3" LAG SCREWS ON 24" CENTERS; 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
 3/8"x3" SLEEVE ANCHOR BOLTS ON 22" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.

OR
 1/4"x3" TAPCON SCREWS ON 19" CENTERS (2,000 PSI MIN. CONCRETE) OR 10" CENTERS (C-90 BLOCK). 1" O.D. WASHERS REQUIRED WITH TAPCONS. ANCHORS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

PREPARATION OF JAMBS BY OTHERS
 NOTE: 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 THIS DRAWING.



SECTION A-A (SIDE VIEW)

DESIGN LOADS: +38.0 P.S.F. & -44.0 P.S.F.
 TEST LOADS: +57.0 P.S.F. & -66.0 P.S.F.

Unless Stated Otherwise TOLERANCES are:
 0 = ± 0.31
 .00 = ± 0.15
 .000 = ± 0.05
 .0000 = ± 0.01
 Degrees = ± 1/2°
 Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

MANUFACTURING PRODUCT CODE
 SHORT PANEL PAN-2130
 LONG PANEL PAN-2138

PAR. NO.: N/A

8555 Duke Boulevard
 Mason, OH 45040 USA
 Phone No. 513-770-4853
 Fax No. 513-770-4853

Glopay
 CORPORATION

DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +38/-44 PSF
 DRAWN BY: MW
 CHECKED BY: --
 DATE: 3/15/95
 SCALE: NTS
 SHEET 3 OF 4

W6 DP38
 WINDLOAD RATING

VER: IBC

June 23, 2025

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 listed in Tables 1 through 2, 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 1 through 2 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 1: Drawings for doors with Manufacturing Product Code (MPC) PAN-2F151/3/6:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
101348-A-Rev13	9'0"	16'0"	+38/-44	16107.24
104710-A-Rev04	16'2"	16'0"	+36/-42	16107.3
104761-Rev05	18'2"	16'0"	+36/-42	16107.11
101702-Rev13	9'0"	16'0"	+42/-48	16107.46

TABLE 2: Drawings for doors with Manufacturing Product Code (MPC) PAN-2F143:

DRAWING	MAX. WIDTH	MAX. HEIGHT	DESIGN LOAD (PSF)	SUB-ITEM
104753-Rev03	18'2"	16'0"	+38/-42	16107.5
103547-Rev05	9'0"	16'0"	+48/-54	16107.53
103287-Rev06	9'0"	16'0"	+54/-62	16107.54
104754-Rev03	16'2"	16'0"	+46/-50	16107.15

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): ATL 0107.01-13 (2/20/13), ATL 0813.01-12 (10/29/12), ATL 01212.01-22 (1/9/23), ATL 0103.02-23 (2/28/23), and ATL 0129.01-19 (2/14/19), ATL 0104.01-22 (8/8/22), ATL 0622.01-15 (7/13/15) and ATL 1212.02-22 (1/9/23).

Product Description for doors with MPC PAN-2F151 or PAN-2F153 or PAN-2F156:

These doors consist of 2" thick steel pan sections with min. 25 ga. (0.019") skins. The steel skin is at least G40 DDS per ASTM A653. Sections may have 1-5/16" insulation captured in the cavity of the pan section. The maximum section height is 21". These doors may have optional Impact-Resistant Glazing (molded). Optional Impact-Resistant Glazing is a one-piece injection-molded front frame and glazing. The following models are at least structurally equivalent to the tested door: 84A, 94, 98,73,75,1500,190, 4RST, 4F, 4RSF, 6RST, 6RSF, 48, 48B, 42, 42B, 55, 55S, GD5S, GD5SV, GR5S, GR5SV, AR5S, AR5SV, ED5S, ED5SV. Not all models may be shown on a given drawing.

Product Description for doors with MPC PAN-2F143:

These doors consist of 2" thick steel pan sections with min. 24 ga. (0.022") skins. The steel skin is at least G40 DDS per ASTM A653. Sections may have 1-5/16" insulation captured in the cavity of the pan section. The maximum section height is 21". These doors may have optional Impact-Resistant Glazing (molded). Optional Impact-Resistant Glazing is a one-piece injection-molded front frame and glazing. The following models are at least structurally equivalent to the tested door: 84A, 94, 94V, 98, 4RST, 4F, 48, 48B. Not all models may be shown on a given drawing.

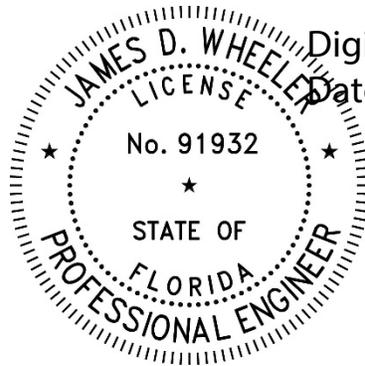
Limitations:

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:



Digitally signed by Jim Wheeler
Date: 2025.06.23 20:32:09 -04'00'

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