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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

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Product Approval Accepts:



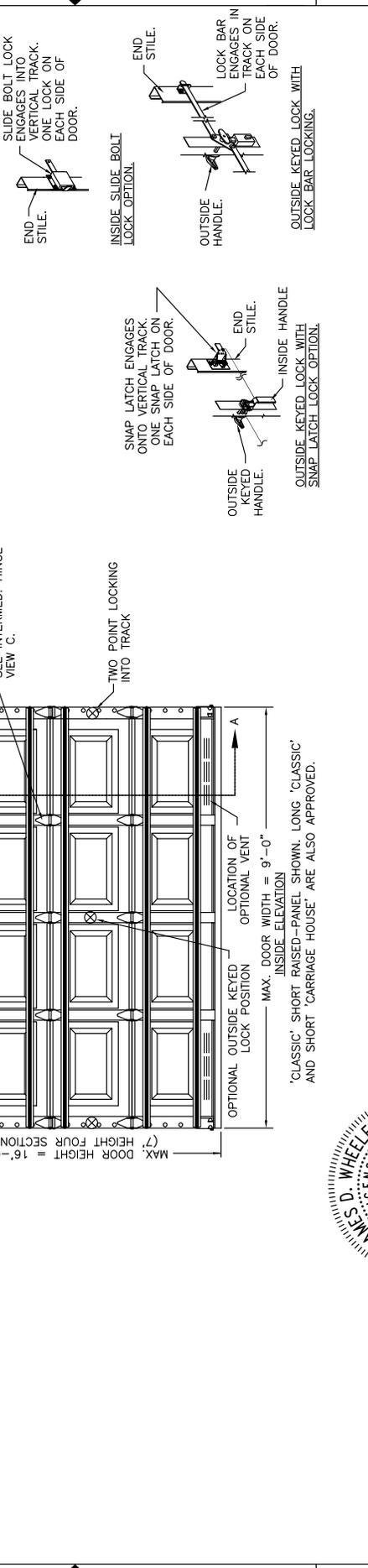
'CLASSIC' RAISED PANEL EMBOSS DDORS		'CARRIAGE HOUSE' RAISED PANEL EMBOSS DDORS	
MODELS	24 GA 25 GA 24 GA 25 GA	MODELS	25 GA 25 GA
CLIPPAY	84A, 94 73, 75 96, 96V 75L, 76, 76V	CLIPPAY	GDSS, GRSS
IDEAL	4RST, 4F*	HOLMES	ARSS
HOLMES	4B, 4BB 42, 42B	IDEAL	EDSS
	SHORT PANEL LONG PANEL	'CARRIAGE HOUSE'	LONG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

'CARRIAGE HOUSE' RAISED PANEL EMBOSS DDORS		'CARRIAGE HOUSE' RAISED PANEL EMBOSS DDORS	
MODELS	25 GA 25 GA	MODELS	25 GA 25 GA
CLIPPAY	GDSS, GRSS	CLIPPAY	GDSS, GRSS
IDEAL	ARSS	IDEAL	ARSS
HOLMES	EDSS	HOLMES	EDSS
	SHORT PANEL LONG PANEL	'CARRIAGE HOUSE'	LONG PANEL

* - MODEL 4F IS FLUSH

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".

DOOR HEIGHT	# OF SECTIONS	# OF U-BARS
UP TO 7'0"	4	6
7'3" TO 8'9"	5	8
9'0" TO 10'6"	6	9
10'9" TO 12'3"	7	11
12'6" TO 14'0"	8	12
14'3" TO 15'9"	9	14
16'0"	10	15
MAX SECTION HEIGHT: 21'		



DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932

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 = ± 0.005
Degrees = ± 1/2°
Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

MANUFACTURING PRODUCT CODE
SHORT PANEL PAN-21150
LONG PANEL PAN-21156

PART NO.: N/A

WINDLOAD RATING
W6 DP38

DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +38/-44 PSF
DRAWN BY: MW
CHECKED BY: --
DATE: 3/15/95
SCALE: NTS
SHEET 1 OF 4
SIZE: B

VER: IBC

'CLASSIC' RAISED PANEL EMBROSS DOORS				'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	24 GA	25 GA	24 GA	25 GA	25 GA	25 GA	25 GA
CLIPPAY	84A, 94	73, 75	96, 96V	75L, 76, 76V	GDSS, GRSS	---	---
IDEAL	4RST, 4F*	6RST	---	6RST	ARGS	---	---
HOLMES	4B, 4BB	42, 42B	---	---	EDSS	---	---
	SHORT PANEL	LONG PANEL			SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

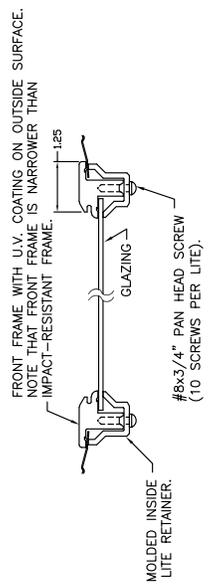
'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

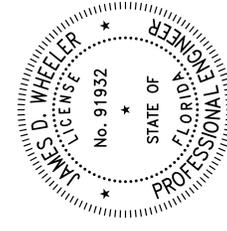
'CARRIAGE HOUSE' RAISED PANEL EMBROSS DOORS			
MODELS	CLIPPAY GALLERY	HOLMES ARTISTRY	IDEAL
	SHORT PANEL	LONG PANEL	

STANDARD ASSEMBLY CONSTRUCTION:
 OPTIONAL DSB OR 1/8" ACRYLIC LITES AVAILABLE. OPTIONAL ACRYLIC GLAZING IS PLASKOLITE OPTIX OR LUCITE CP APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606.
 THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS REGIONS (REF. CHAPTER 16 FBC/IBC).

SECTION B-B (NON-IMPACT RESISTANT GLAZING OPTION)



STANDARD ASSEMBLY DETAILS
DRAWING 101348-B



DESIGN ENGINEER:
 JAMES D. WHEELER, P.E.
 FLORIDA LICENSE No. 91932

DESIGN LOADS: +38.0 P.S.F. & -44.0 P.S.F.	MANUFACTURING PRODUCT CODE
TEST LOADS: +57.0 P.S.F. & -66.0 P.S.F.	SHORT PANEL: PAN-2150
Unless Stated Otherwise	LONG PANEL: PAN-2150
TOLERANCES are	PART NO.: N/A
0 = ± 0.31	WINDLOAD RATING
.00 = ± 0.15	W6 DP38
.000 = ± 0.05	DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +38/-44 PSF
.0000 = ± 0.01	DRAWN BY: MW
Degrees = ± 1/2°	CHECKED BY: --
Unless Stated Otherwise	DATE: 3/15/95
DIMENSIONS ARE IN INCHES.	SCALE: NTS
	SHEET 2 OF 4
	SIZE: B
	VER: IBC

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	ARGSS
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: 1

REVISIONS

25 GA MIN. C-40 GALV. STEEL SKIN WITH A BAKED-ON PRIMER AND A BAKED-ON POLYESTER TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

12 GA. GALV. STEEL TOP ROLLER BRACKET, EACH BRACKET ATTACHED W/(4) #14x5/8" SHEET METAL SCREWS.

SHIP LAP JOINTS.

14 GA. GALV. STEEL END HINGE FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS & (4) 1/4" SELF TAPPING SCREWS.

3" TALL x 20 GA. GALV. STEEL U-BARS IN A 2-1-2-1 PATTERN (I.E. TWO U-BARS ON BOTTOM SECTION, ONE U-BAR ON NEXT SECTION, ETC.). EACH U-BAR ATTACHED WITH (2) 1/4"x3/4" SELF TAPPING SCREWS PER STILE LOCATION.

13 GA. GALV. STEEL BOTTOM BRACKET, ATTACHED WITH (2) #14x5/8" SHEET METAL SCREWS, ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

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. DWG. NO.: 101348 - A/B

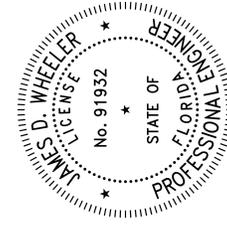
MANUFACTURING PRODUCT CODE
 SHORT PANEL PAN-2130
 LONG PANEL PAN-2138

PAR. NO.: N/A
 WINDLOAD RATING
W6 DP38

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

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

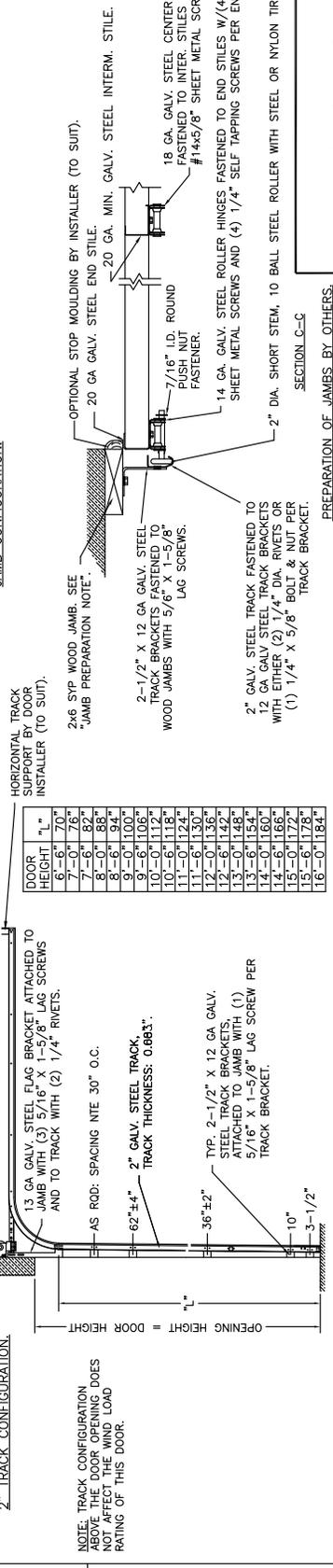
VER: IBC



DESIGN ENGINEER:
 JAMES D. WHEELER, P.E.
 FLORIDA LICENSE No. 91932

'CLASSIC' RAISED PANEL EMBLSS DDORS				'CARRIAGE HOUSE' RAISED PANEL EMBLSS DDORS			
MODELS	24 GA	25 GA	24 GA	25 GA	25 GA	25 GA	25 GA
CLIPPAY	84A, 94	73, 75	96, 96V	75L, 76, 76V	GDSS, GRSS	---	---
IDEAL	4RST, 4F*	6RST	---	6RST	ARSS	---	---
HOLMES	4B, 4BB	42, 42B	---	---	EDSS	---	---
SHORT PANEL				LONG PANEL			

* - MODEL 4F IS FLUSH



DOOR HEIGHT	"	"
6-6"	76"	70"
7-0"	82"	76"
7-6"	88"	82"
8-0"	94"	88"
8-6"	100"	94"
9-0"	106"	100"
10-0"	112"	106"
10-6"	118"	112"
11-0"	124"	118"
11-6"	130"	124"
12-0"	136"	130"
12-6"	142"	136"
13-0"	148"	142"
13-6"	154"	148"
14-0"	160"	154"
14-6"	166"	160"
15-0"	172"	166"
15-6"	178"	172"
16-0"	184"	178"

2-1/2" X 12 GA GALV. STEEL TRACK BRACKETS FASTENED TO WOOD JAMBS WITH 5/8" X 1-5/8" LAG SCREWS.

2" GALV. STEEL TRACK FASTENED TO 12 GA GALV STEEL TRACK BRACKETS WITH EITHER (2) 1/4" DIA. RIVETS OR (1) 1/4" X 5/8" BOLT & NUT PER TRACK BRACKET.

20 GA. MIN. GALV. STEEL INTERM. STILE.

OPTIONAL STOP MOULDING BY INSTALLER (TO SUIT).

20 GA GALV. STEEL END STILE.

7/16" I.D. ROUND PUSH NUT FASTENER.

18 GA. GALV. STEEL CENTER HINGE FASTENED TO INTER. STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS.

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (4) 1/4" SELF TAPPING SCREWS PER END HINGE.

2" DIA. SHORT STEM, 10 BALL STEEL ROLLER WITH STEEL OR NYLON TIRE.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.



JAMB CONFIGURATION

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT).

2x6 SYP. WOOD JAMB, SEE "JAMB PREPARATION NOTE".

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

REVISIONS

SHEET: 4 OF 4

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-2150
 LONG PANEL PAN-2156

PART NO.: N/A

WINDLOAD RATING
W6 DP38

8585 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 4 OF 4
 SIZE: B

DWG. VER: IBC

DESIGN ENGINEER:
 JAMES D. WHEELER, P.E.
 FLORIDA LICENSE No. 91932

STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 LICENSE No. 91932

February 14, 2013 (Revised 8/5/20)

Evaluation Report for Clopay Corporation Sectional Garage Doors, W6 through W8

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 5, 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 5 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-2F153: 101348-A-Rev19, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)

TABLE 2: Drawings for doors with Manufacturing Product Code (MPC) PAN-2F156: 101348-A-Rev19, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)

TABLE 3: Drawings for doors with Manufacturing Product Code (MPC) DSIE-1F171: 101526-A-Rev22, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)

TABLE 4: Drawings for doors with Manufacturing Product Code (MPC) DSIU-1F171: 104778-Rev05, max. door size 16'2" x 16'0"; +46/-52 PSF (design load)

TABLE 5: Drawings for doors with Manufacturing Product Code (MPC) DSIE-1F471: 104785-A-Rev04, max. door size 16'2" x 16'0"; +38/-42 PSF (design load)
104786-Rev06, max. door size 16'2" x 16'0"; +46/-52 PSF (design load)

For the doors in Tables 6 through 9, 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 door designs listed below in Tables 6 through 9 are in compliance with these test requirements of the Florida Building Code.

TABLE 6: Drawings for doors with Manufacturing Product Code (MPC) PAN-2F153: 101348-B-Rev19, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)

TABLE 7: Drawings for doors with Manufacturing Product Code (MPC) PAN-2F156: 101348-B-Rev19, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)

TABLE 8: Drawings for doors with Manufacturing Product Code (MPC) DSIE-1F171: 101526-B-Rev22, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)

TABLE 9: Drawings for doors with Manufacturing Product Code (MPC) DSIE-1F471: 104785-B-Rev04, max. door size 16'2" x 16'0"; +38/-42 PSF (design load)

Test Reports:

ATL-0107.01-13 (2/20/13), ATL-1206.01-12 (1/23/13), ATL-0801.01-12 (8/15/12), ATL-0827.01-12 (10/9/12), ATL-0115.01-13R (3/18/13), ATL-0117.01-13R (3/18/13). 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 PAN-2F153:

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. 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-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: 76, 76V, 2RST. 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 (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: 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 DSIU-1F171:

These doors consist of 2" double-skin insulated sections with polyurethane insulation foamed in place between 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 (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: HDP20, HDPF20, HDPL20, 7200, 7201, 7203, 8200, 8201, 8203, 9200, 9201, 9203. 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 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: 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 is an aluminum front frame and a separate 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, 9030, 90318, 90316, 90317, 90311, 90314, 90355) and Bayer Makrolon GP (versions also approved: SL, AR, 15). Approval based on review of NOA 13-0717.01 (Sabic) and NOA 12-0605.05 (Bayer) 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:

Scott Hamilton, P. E.
Florida P. E. No. 63286

Date: 8/12/20

