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Business & Professional Regulation



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Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

OFFICE OF THE
SECRETARY

FL #	FL16546-R16														
Application Type	Revision														
Code Version	2023														
Application Status	Approved														
Comments															
Archived	☐														
Product Manufacturer	Clopay Building Products Company														
Address/Phone/Email	8585 Duke Blvd. Mason, OH 45040 (513) 770-6062 mwesterfield@clopay.com														
Authorized Signature	Scott Hamilton shamilton@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 ☐ Evaluation Report - Hardcopy Received														
Florida Engineer or Architect Name who developed the Evaluation Report	Scott Hamilton														
Florida License	PE-63286														
Quality Assurance Entity	Intertek Testing Services NA, Inc. - QA Entity														
Quality Assurance Contract Expiration Date	12/31/2026														
Validated By	Gary Pfuehler ☒ Validation Checklist - Hardcopy Received														
Certificate of Independence	FL16546_R16_COI_Certification_of_Independence_of_Validation_Entity-Gary_Pfuehler_2016-02-19.pdf FL16546_R16_COI_Statement_on_Independence_of_Evaluation_Entity-ScottHamilton_2016-02-19.pdf														
Referenced Standard and Year (of Standard)	<table> <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> <tr> <td>ASTM E1886</td><td>2005</td></tr> <tr> <td>ASTM E1996</td><td>2009</td></tr> <tr> <td>ASTM E330</td><td>2002</td></tr> <tr> <td>TAS 201</td><td>1994</td></tr> </tbody> </table>	Standard	Year	ANSI/DASMA 108	2005	ANSI/DASMA 115	2005	ASTM E1886	2005	ASTM E1996	2009	ASTM E330	2002	TAS 201	1994
Standard	Year														
ANSI/DASMA 108	2005														
ANSI/DASMA 115	2005														
ASTM E1886	2005														
ASTM E1996	2009														
ASTM E330	2002														
TAS 201	1994														

Equivalence of Product Standards
Certified By

Florida Licensed Professional Engineer or Architect
[FL16546 R16 Equiv 20200812 - FBC - ASTM 1886-1996 equiv.pdf](#)
[FL16546 R16 Equiv 20230712 - FBC - ASTM E330 equiv s.pdf](#)

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

08/07/2023

Date Validated

08/21/2023

Date Pending FBC Approval

08/30/2023

Date Approved

10/17/2023

Summary of Products

Go to Page



FL #	Model, Number or Name	Description
16546.21	21 W8-16 DSIU-1F471: GD2SU, GR2SU, GD2LU, GR2LU, AR2SU, AR2LU, ED2SU, ED2LU, 9202, HDPC20, 7202, 8202, MFC68U, 9205, HDPR20, 7205, 8205, MFR68U, BD2EU, BR2EU, BD2NU, BR2NU, PR2EU, PR2NU	Double-skin Insulated Intellicore (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 (no glazing) or doors with optional impact-resistant glazing are impact-resistant (large missile impact).		Installation Instructions FL16546 R16 II 104822-Rev05.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.22	22 W8-09 PAN-2F443: GD4S, GR4S, ED4S, AR4S	Gallery/Artistry/Expressions: Steel Pan (min. 24 ga.) 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: +50 PSF/-58 PSF Other: Max. Wind Speed (V _{ult}): 170 MPH. Solid doors (no glazing) or doors with optional impact-resistant glazing are impact-resistant (large missile impact).		Installation Instructions FL16546 R16 II 104121-Rev07 s.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 131211-A.pdf Created by Independent Third Party: No
16546.23	23 W6-16 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® 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 FL16546 R16 II 104785-A-Rev04.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.24	24 W6-16 DSIE-1F471: GD2SP, GR2SP, GD2LP, GR2LP, AR2SP, AR2LP, ED2SP, ED2LP, 4302, HDGC,	Double-skin Insulated EPS (exterior skin 27 ga. min.; interior skin 27 ga. min.) Double-Car (9'2" to 16'2" wide) WINDCODE® W6 Garage Door

	6202, MFC68, 4305, HDGR, 6205, SFR68, MFR68	
Limits of Use Approved for use in HVHZ: Yes 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 FL16546 R16 II 104785-B-Rev04.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.25	25 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 FL16546 R16 II 104786-Rev06.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.26	26 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 FL16546 R16 II 103954-A-Rev06.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.27	27 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 FL16546 R16 II 103954-B-Rev06.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.28	28 W6-09 DSIUO-1K749: Canyon Ridge / Glenmoor / Custom Wood-Look // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series // Coachman / Settlers / Affinity	Double Skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27ga. min.) with Overlay 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 FL16546 R16 II 104948-A-Rev03.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.29	29 W6-09 DSIUO-1K749: Canyon Ridge / Glenmoor / Custom Wood-Look // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series // Coachman / Settlers / Affinity	Double Skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27ga. min.) with Overlay 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 FL16546 R16 II 104948-B-Rev03.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.30	30 W6-16 DSIUO-1K749: Canyon Ridge / Glenmoor / Custom Wood-Look // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series // Coachman / Settlers / Affinity	Double Skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27ga. min.) with Overlay 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 FL16546 R16 II 104932-A-Rev06.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.31	31 W6-16 DSIUO-1K749: Canyon Ridge / Glenmoor / Custom Wood-Look // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series // Coachman / Settlers / Affinity	Double Skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27ga. min.) with Overlay 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 FL16546 R16 II 104932-B-Rev06.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.32	32 W6-18 DSIUO-1K749: Canyon Ridge / Glenmoor / Custom Wood-Look // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series // Coachman / Settlers / Affinity	Double Skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27ga. min.) with Overlay Double-Car (16'4" to 18'2" wide) WINDCODE® W6 Garage Door with optional Impact Resistant Glazing
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 (no glazing) are impact-resistant (large missile impact).		Installation Instructions FL16546 R16 II 104951-A-Rev04.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.33	33 W6-18 DSIUO-1K749: Canyon Ridge / Glenmoor / Custom Wood-Look // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series // Coachman / Settlers / Affinity	Double Skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27ga. min.) with Overlay Double-Car (16'4" to 18'2" wide) WINDCODE® W6 Garage Door with optional Impact Resistant Glazing
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 FL16546 R16 II 104951-B-Rev04.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 141219-B.pdf Created by Independent Third Party: No
16546.34	34 W8-09 DSIUO-1K749: Canyon Ridge / Glenmoor / Custom Wood-Look // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series // Coachman / Settlers / Affinity	Double Skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27ga. min.) with Overlay Single-Car (up to 9'0" wide) WINDCODE® W8 Garage Door with optional Impact-Resistant Lites
Limits of Use		Installation Instructions

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).		FL16546_R16_II_104949-Rev03.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546_R16_AE_CBPC_141219-B.pdf Created by Independent Third Party: No
16546.35	35 W8-16 DSIUO-1K749: Canyon Ridge / Glenmoor / Custom Wood-Look // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series // Coachman / Settlers / Affinity	Double Skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27ga. min.) with Overlay 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 FL16546_R16_II_104928-Rev03.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546_R16_AE_CBPC_141219-B.pdf Created by Independent Third Party: No
16546.36	36 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 FL16546_R16_II_104119-Rev05.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546_R16_AE_CBPC_141219-B.pdf Created by Independent Third Party: No
16546.37	37 W6-09 DSIUA-1F477: 9208, 9209, HDPCC2, HDPCR2, 7208, 7209, 3728, 3729, C7R20 // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series	Double-skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27 ga. min.) Single-Car (up to 9'2" 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 FL16546_R16_II_104859-A-Rev03.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546_R16_AE_CBPC_160216-A.pdf Created by Independent Third Party: No
16546.38	38 W6-09 DSIUA-1F477: 9208, 9209, HDPCC2, HDPCR2, 7208, 7209, 3728, 3729, C7R20 // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series	Double-skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27 ga. min.) Single-Car (up to 9'2" 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 FL16546_R16_II_104859-B-Rev03.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546_R16_AE_CBPC_160216-A.pdf Created by Independent Third Party: No
16546.39	39 W6-16 DSIUA-1F477: 9208, 9209, HDPCC2, HDPCR2, 7208, 7209, 3728, 3729, C7R20 // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series	Double-skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27 ga. min.) Double-Car (up to 16'2" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites
Limits of Use Approved for use in HVHZ: Yes		Installation Instructions FL16546_R16_II_105042-A-Rev03.pdf

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).		Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 160216-A.pdf Created by Independent Third Party: No
16546.40	40 W6-16 DSIUA-1F477: 9208, 9209, HDPCC2, HDPCR2, 7208, 7209, 3728, 3729, C7R20 // Canyon Ridge Modern Series / Glenmoor Modern Series / Custom Wood-Look Modern Series	Double-skin Insulated Intellicore (exterior skin 27 ga. min.; interior skin 27 ga. min.) Double-Car (up 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 FL16546 R16 II 105042-B-Rev03.pdf Verified By: Scott Hamilton FL PE 63286 Created by Independent Third Party: No Evaluation Reports FL16546 R16 AE CBPC 160216-A.pdf Created by Independent Third Party: No

Go to Page



Page 2 / 5


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Product Approval Accepts:



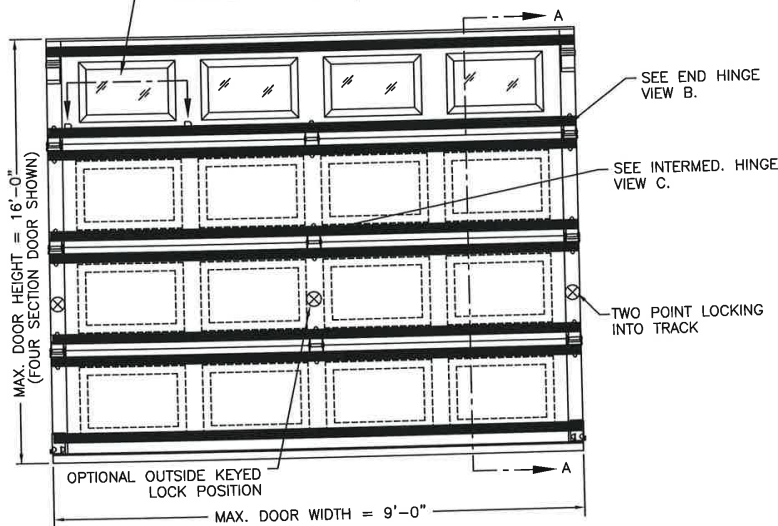
MODELS	SHORT	LONG
CLOPAY GALLERY	GD2SP, GR2SP	GD2LP, GR2LP
HOLMES ARTISTRY	AR2SP	AR2LP
IDEAL EXPRESSIONS	ED2SP	ED2LP

MODELS	FLUSH	GROOVED
CLOPAY CLASSIC	4302, HDGC	4305, HDGR
HOLMES CLASSIC	6202	6205
IDEAL CLASSIC	MFC68	SFR68, MFR68

SHEET
1 OF 3

REVISIONS						DESCRIPTION
REV. NO.	ZONE	DATE	ECN NO.	APPVD		
04	-	12/18/14	-	SH		ADDED GROOVED MODELS.
05	-	8/6/20	-	SH		UPDATED TITLE BLOCK AND REMOVED WIND CHART

OPTIONAL GLAZING SHALL BE IMPACT RESISTANT GLAZING. MAXIMUM GLAZING SIZE (DLO) IS 38-1/2"x13". GLAZING MAY BE SHORT-PANEL (SHOWN) OR LONG-PANEL (NOT SHOWN). SEE SECTION B-B ON SHEET 2 FOR DETAILS. GLAZING MAY BE INSTALLED IN TOP SECTION (SHOWN) OR INTERMEDIATE SECTION (NOT SHOWN).

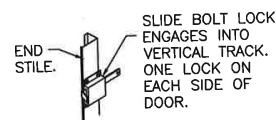
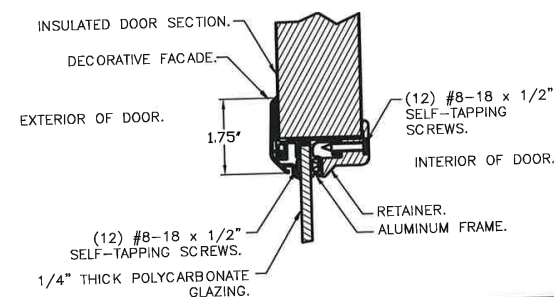


DOOR WIDTH	# OF INTERM. HINGES/JOINT
6'2" TO 7'6"	2
7'8" TO 9'0"	1

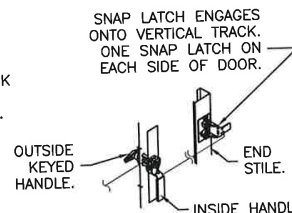
DOOR HEIGHT	# OF SECTIONS
UP TO 8'0"	4
8'3" TO 10'0"	5
10'3" TO 12'0"	6
12'3" TO 14'0"	7
14'3" TO 16'0"	8
MAX SECTION HEIGHT: 24"	

IMPACT-RESISTANT CONSTRUCTION:
SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL IMPACT RESISTANT ASSEMBLY CONSISTS OF ALUMINUM FRONT FRAME AND SABIC IP LEXAN 9034 (VERSIONS ALSO APPROVED: MR10, 9030, 90318, 90316, 90317, 90311, 90314, 90355) OR BAYER MAKROLON GP (VERSIONS ALSO APPROVED: SL, AR, 15), APPROVED CC1 PLASTICS IN ACCORDANCE WITH IBC/FBC 2606 AND APPROVED C1 PLASTICS IN ACCORDANCE WITH FBC 2612. THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE AND IS LARGE- AND SMALL-MISSILE IMPACT RESISTANT.

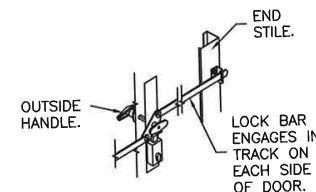
SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



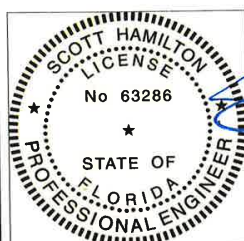
INSIDE SLIDE BOLT LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

DESIGN LOADS: +54.0 P.S.F. & -60.0 P.S.F.
TEST LOADS: +81.0 P.S.F. & -90.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2°

Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

Clopay
CORPORATION

8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
Fax No. 513-770-4853

DESCRIPTION: 2" GALLERY EPS SINGLE-CAR DOORS (SEE TABLE)

DRAWN BY: BFA DATE: 7/08/08 SCALE: NTS DWG. B

CHECKED BY: SH DATE: 7/08/08 SHEET 1 OF 3 SIZE

DWG. NO.: 104119 VER: IBC

MANUFACTURING PRODUCT CODE
DSIE-1F471

PART NO.: N/A

WINDLOAD RATING
W8 DP54

2 FLORIDA PRODUCT APPROVAL 16546

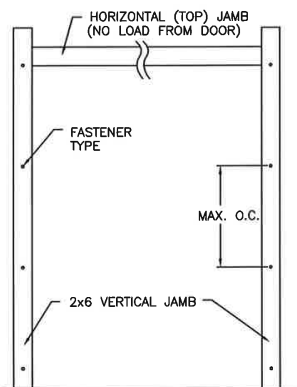
MODELS	SHORT	LONG
CLOPAY GALLERY	GD2SP, GR2SP	GD2LP, GR2LP
HOLMES ARTISTRY	AR2SP	AR2LP
IDEAL EXPRESSIONS	ED2SP	ED2LP

MODELS	FLUSH	GROOVED
CLOPAY CLASSIC	4302, HDGC	4305, HDGR
HOLMES CLASSIC	6202	6205
IDEAL CLASSIC	MFC68	SFR68, MFR68

SHEET:
2 OF 3

REVISIONS						DESCRIPTION
REV. NO.	ZONE	DATE	ECN NO.	APPVD:		
05	-	-	-	SH		SEE REVISION HISTORY ON SHEET ONE.

D



JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +243 LB & -270 LB. PER LINEAR FOOT OF JAMB.
3. ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
4. A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

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.

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

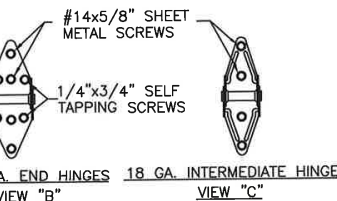
BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
HOLLOW CMU BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	6-3/4"	1" O.D.
GROUT-FILLED CMU BLOCK	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	11-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	9-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	8"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	20-3/4"	INCLUDED
4000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	22-1/4"	1" O.D.

* FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.
MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCCO THICKNESS.



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

4



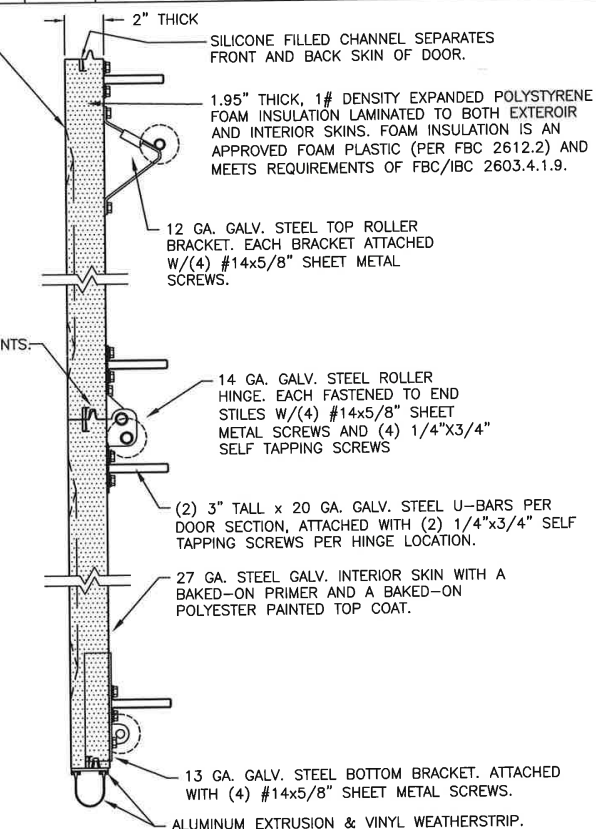
3

27 GA. (0.016" MIN.) STEEL EXTERIOR SKIN WITH G-40 MIN. GALV., BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT.

TONGUE AND GROOVE JOINTS.

3" TALL 50 KSI U-BAR
20 GA. GALV. STEEL.

SECTION A-A (SIDE VIEW)



D

C

B

A

DESIGN LOADS: +54.0 P.S.F. & -60.0 P.S.F.
TEST LOADS: +81.0 P.S.F. & -90.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ± 1/2"

Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

Clopay
CORPORATION
8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
Fax No. 513-770-4853

DESCRIPTION: 2" GALLERY EPS SINGLE-CAR DOORS (SEE TABLE)

DRAWN BY: BFA DATE: 7/08/08 SCALE: NTS DWG. B

CHECKED BY: SH DATE: 7/08/08 SHEET 2 OF 3 SIZE B

DWG. NO.: 104119 VER: IBC

MANUFACTURING PRODUCT CODE
DSIE-1F 471

PART NO.: N/A

WINDLOAD RATING
W8 DP54

2 FLORIDA PRODUCT APPROVAL 16546

MODELS	SHORT	LONG
CLOPAY GALLERY	GD2SP, GR2SP	GD2LP, GR2LP
HOLMES ARTISTRY	AR2SP	AR2LP
IDEAL EXPRESSIONS	ED2SP	ED2LP

MODELS	FLUSH	GROOVED
CLOPAY CLASSIC	4302, HDGC	4305, HDGR
HOLMES CLASSIC	6202	6205
IDEAL CLASSIC	MFC68	SFR68, MFR68

SHEET
3 OF 3

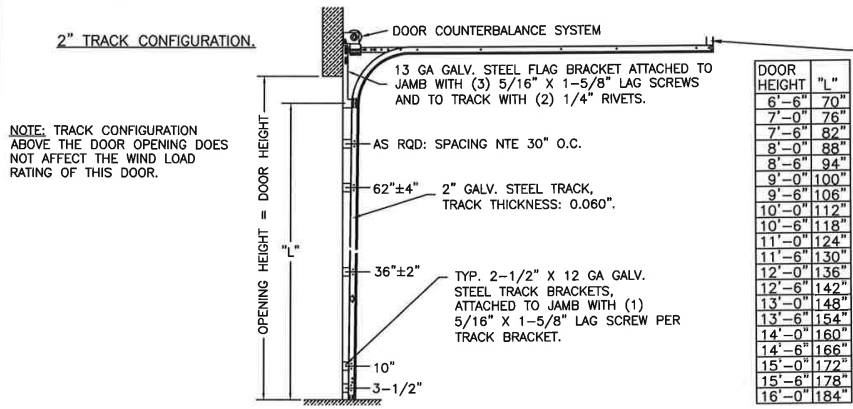
REV. NO.	ZONE	DATE	ECN NO.	APPVD	DESCRIPTION
05	-	-	-	SH	SEE REVISION HISTORY ON SHEET ONE.

D

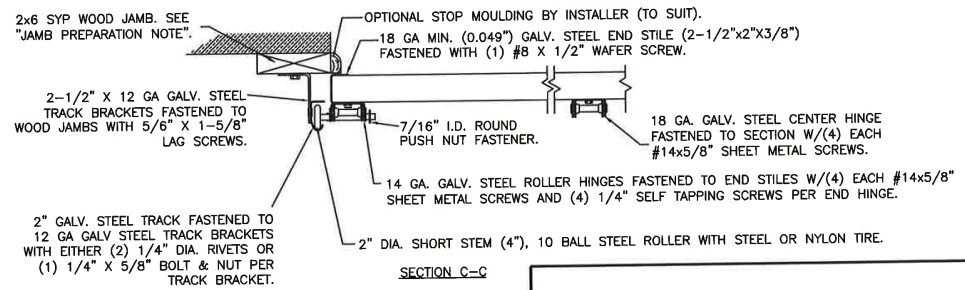
C

B

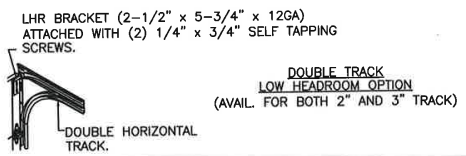
A



JAMB CONFIGURATION.



PREPARATION OF JAMBS BY OTHERS.



3" TRACK IS ALSO AVAILABLE.



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

DESIGN LOADS: +54.0 P.S.F. & -60.0 P.S.F.
TEST LOADS: +81.0 P.S.F. & -90.0 P.S.F.

Unless Stated Otherwise TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2°

Clopay CORPORATION

8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
Fax No. 513-770-4853

DESCRIPTION: 2" GALLERY EPS SINGLE-CAR DOORS (SEE TABLE)

DRAWN BY: BFA DATE: 7/08/08 SCALE: NTS DWG. B

CHECKED BY: SH DATE: 7/08/08 SHEET 3 OF 3 SIZE

DWG. NO.: 104119 VER: IBC

MANUFACTURING PRODUCT CODE
DSIE-1F471

PART NO.: N/A

WINDLOAD RATING
W8 DP54

2 FLORIDA PRODUCT APPROVAL 16546

December 19, 2014 (Revised 8/18/23)

Evaluation Report for Clopay Corporation Sectional Garage Doors

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 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.

For the doors listed in Tables 1 through 3, Static Pressure Tests were conducted in accordance with TAS 202-1994, ASTM-E330-2002 and ANSI/DASMA 108-2005/2012. 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 115-2005/2012. 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 3 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) DSIE-1F471:

103954-A-Rev06,	max. door size 9'0" x 16'0";	+38/-44 PSF (design load)
104785-A-Rev04,	max. door size 16'2" x 16'0";	+38/-42 PSF (design load)
104810-A-Rev05,	max. door size 18'2" x 16'0";	+38/-42 PSF (design load)
104119-Rev05,	max. door size 9'0" x 16'0";	+54/-60 PSF (design load)
104786-Rev06,	max. door size 16'2" x 16'0";	+46/-52 PSF (design load)

TABLE 2: Drawings for doors with Manufacturing Product Code (MPC) DSIU-1F471:

104432-A-Rev06,	max. door size 9'0" x 16'0";	+38/-44 PSF (design load)
104820-A-Rev04,	max. door size 16'2" x 16'0";	+38/-42 PSF (design load)
104821-A-Rev05,	max. door size 18'2" x 16'0";	+38/-42 PSF (design load)
104435-Rev06,	max. door size 9'0" x 16'0";	+54/-60 PSF (design load)
104822-Rev05,	max. door size 16'2" x 16'0";	+46/-52 PSF (design load)
104428-A-Rev03,	max. door size 9'0" x 16'0";	+28/-29 PSF (design load)
104429-A-Rev03,	max. door size 16'0" x 16'0";	+25.5/-25.5 PSF (design load)
104430-Rev01,	max. door size 18'0" x 16'0";	+25/-25 PSF (design load)

TABLE 3: Drawings for doors with Manufacturing Product Code (MPC) DSIUO-1K/M479:

104948-A-Rev03,	max. door size 9'0" x 16'0";	+38/-44 PSF (design load)
104932-A-Rev06,	max. door size 16'2" x 16'0";	+38/-42 PSF (design load)
104951-A-Rev04,	max. door size 18'2" x 16'0";	+38/-42 PSF (design load)
104949-Rev03,	max. door size 9'0" x 16'0";	+54/-60 PSF (design load)
104928-Rev03,	max. door size 16'2" x 16'0";	+46/-52 PSF (design load)
105421-A-Rev01,	max. door size 10'0" x 16'0";	+38/-44 PSF (design load)
105391-Rev01,	max. door size 10'0" x 16'0";	+54/-60 PSF (design load)

For the doors in Tables 4 through 7, 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 4 through 7 are in compliance with the test requirements of the Florida Building Code.

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

103954-B-Rev06, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)
 104785-B-Rev04, max. door size 16'2" x 16'0"; +38/-42 PSF (design load)
 104810-B-Rev05, max. door size 18'2" x 16'0"; +38/-42 PSF (design load)

TABLE 5: Drawings for doors with Manufacturing Product Code (MPC) DSIU-1F471:

104432-B-Rev06, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)
 104820-B-Rev04, max. door size 16'2" x 16'0"; +38/-42 PSF (design load)
 104821-B-Rev05, max. door size 18'2" x 16'0"; +38/-42 PSF (design load)
 104428-B-Rev03, max. door size 9'0" x 16'0"; +28/-29 PSF (design load)
 104427-Rev01, max. door size 16'0" x 16'0"; +30/-30 PSF (design load)
 104429-B-Rev03, max. door size 16'0" x 16'0"; +25.5/-25.5 PSF (design load)
 104431-Rev01, max. door size 16'0" x 16'0"; +30/-30 PSF (design load)

TABLE 6: Drawings for doors with Manufacturing Product Code (MPC) DSIUO-1M/K479:

104948-B-Rev03, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)
 104932-B-Rev06, max. door size 16'2" x 16'0"; +38/-42 PSF (design load)
 104951-B-Rev01, max. door size 18'2" x 16'0"; +38/-42 PSF (design load)
 105421-B-Rev01, max. door size 10'0" x 16'0"; +38/-44 PSF (design load)

TABLE 7: Drawings for doors with Manufacturing Product Code (MPC) DSIU-1A471:

104424-Rev02, max. door size 9'0" x 16'0"; +20/-21 PSF (design load)
 104425-Rev02, max. door size 16'0" x 16'0"; +20/-21 PSF (design load)
 104427-Rev02, max. door size 16'0" x 16'0"; +30/-30 PSF (design load)

Test Reports:

The following test reports are based on testing conducted by American Test Lab at their North Carolina Facility: 0304.01-13 (5/1/13), 0115.01-13R (3/18/13), 0422.01-13 (5/30/13), 0326.01-13 (5/1/13), 0117-01-13R (3/18/13), 1202.02-13 (12/5/13), 0717.01-14 (8/4/14), 0515.01-14 (6/11/14), 0812.01-14 (9/3/14), 0723.01-14 (8/4/14), 0430.01-14 (7/10/14), 0905.01-18 (10/11/18). These reports document compliance with the TAS testing standards and are signed and sealed by David Johnson, FL PE 61915.

The following test reports are based on testing conducted by Clopay Corporation at their Mason testing facility (accredited by ANAB/L-A-B for ASTM E330 and ANSI/DASMA 108 testing): ATC 18-020 (3/30/18), ATC 18-024 (4/27/18), ATC 14-030 (11/19/14), ATC 16-010 (8/1/16), ATC 16-017 (11/2/16), ATC 18-026 (5/15/18), ATC 18-002 (2/1/18).

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. Optional vents shall be in accordance with Clopay D/N 101845. The following models are at least structurally equivalent to the tested door: GD2SP, GR2SP, GD2LP, GR2LP, AR2SP, AR2LP, ED2SP,

ED2LP, 4302, HDGC, MFC68, 6202, MFC68, 4305, HDGR, MFR68, 6205, SFR68. Not all models may be shown on a given drawing.

Product Description for doors with MPC DSIU-1F471:

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 24". These doors may have optional Impact-Resistant Glazing (Aluminum). Optional Impact-Resistant Glazing is an aluminum front frame and a separate polycarbonate glazing. Optional vents shall be in accordance with Clopay D/N 101845. The following models are at least structurally equivalent to the tested door: GD2SU, GR2SU, GD2LU, GR2LU, AR2SU, AR2LU, ED2SU, ED2LU, 9202, HDPC20, 7202, 8202, MFC68U, 9205, HDPR20, MFR68U, 7205, 8205, BD2EU, BR2EU, BD2NU, BR2NU, PR2EU, PR2NU. Not all models may be shown on a given drawing.

Product Description for doors with MPC DSIU-1K/M479:

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 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 "Coachman" models are at least structurally equivalent to the tested door: Coachman CGUnn CXUnn, Settlers SXUnn, Affinity AGUnn. Note that 'nn' represents the arrangement of the decorative overlays. The following "Canyon Ridge" models are at least structurally equivalent to the tested door: Canyon Ridge CAN2nn-XX, Glenmoor GLN2nn-XX, Custom Wood-Look MWL2nn-XX. Note that 'nn' represents the arrangement of the decorative overlays. Note that 'XX' represents the arrangement of the type of cladding. The following "Canyon Ridge Modern Series" models are at least structurally equivalent to the tested door: Canyon Ridge Modern Series CRM2zAI, Glenmoor Modern GLMzAI, Custom Wood-Look Modern WLMzAI. Note that 'z' represents the type of the decorative overlays. Not all models may be shown on a given drawing.

Product Description for doors with MPC DSIU-1FA71:

These doors consist of 1-3/8" 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 24". These doors may have optional Impact-Resistant Glazing (Aluminum). Optional Impact-Resistant Glazing is an aluminum front frame and a separate polycarbonate glazing. Optional vents shall be in accordance with Clopay D/N 101845. The following models are at least structurally equivalent to the tested door: GD1SU, GR1SU, GD1LU, GR1LU, AR1SU, AR1LU, ED1SU, ED1LU. 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. 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.

Non-Impact Resistant Glazing:

The optional non-impact resistant glazing is a screw-together plastic frame and a separate glass glazing in compliance with the ASTM E1300 requirements of FBC-B Section 2404.

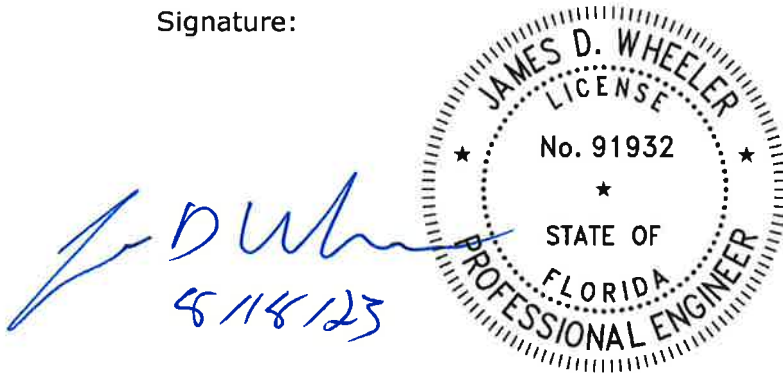
Limitations:

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:

The image shows a handwritten signature in blue ink, which appears to be "J D Wheeler", followed by the date "5/18/23". To the right of the signature is a circular professional engineer seal for the State of Florida. The seal contains the text "JAMES D. WHEELER", "LICENSE", "No. 91932", "STATE OF FLORIDA", and "PROFESSIONAL ENGINEER".

James D. Wheeler, P.E.
Florida P.E. #91932
Senior Project Engineer
Clipay Corporation