



**Product Approval**  
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SECRETARY

| FL #                                                                   | FL16107-R17                                                                                                                                                                                                                                                                                                                                                                     |                 |             |                |      |                |      |            |      |            |      |           |      |         |      |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|----------------|------|----------------|------|------------|------|------------|------|-----------|------|---------|------|
| 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.<br>Mason, OH 45040<br>(513) 770-4641<br>jwheeler@clopay.com                                                                                                                                                                                                                                                                                                     |                 |             |                |      |                |      |            |      |            |      |           |      |         |      |
| Authorized Signature                                                   | Scott Hamilton<br>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<br><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                             | 12/31/2026                                                                                                                                                                                                                                                                                                                                                                      |                 |             |                |      |                |      |            |      |            |      |           |      |         |      |
| Validated By                                                           | Gary Pfuehler<br><input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received                                                                                                                                                                                                                                                                                   |                 |             |                |      |                |      |            |      |            |      |           |      |         |      |
| Certificate of Independence                                            | <a href="#">FL16107_R17_COI_Certification_of_Independence_of_Validation_Entity-Gary_Pfuehler.pdf</a><br><a href="#">FL16107_R17_COI_Statement_on_Independence_of_Evaluation_Entity-ScottHamilton_120424.pdf</a>                                                                                                                                                                 |                 |             |                |      |                |      |            |      |            |      |           |      |         |      |
| Referenced Standard and Year (of Standard)                             | <table> <thead> <tr> <th><b>Standard</b></th><th><b>Year</b></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> | <b>Standard</b> | <b>Year</b> | ANSI/DASMA 108 | 2005 | ANSI/DASMA 115 | 2005 | ASTM E1886 | 2005 | ASTM E1996 | 2009 | ASTM E330 | 2002 | TAS 201 | 1994 |
| <b>Standard</b>                                                        | <b>Year</b>                                                                                                                                                                                                                                                                                                                                                                     |                 |             |                |      |                |      |            |      |            |      |           |      |         |      |
| 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  
[FL16107\\_R17\\_Equiv\\_20200812 - FBC - ASTM 1886-1996 equiv.pdf](#)  
[FL16107\\_R17\\_Equiv\\_20230712 - FBC - ASTM E330 equiv s.pdf](#)

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

02/29/2024

Date Validated

02/29/2024

Date Pending FBC Approval

03/06/2024

Date Approved

04/16/2024

### Summary of Products

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| FL #                                                                                                                                                                                                                                                                                                                                                                | Model, Number or Name                                                                                               | Description                                                                                                                                                                                                                                                                                           |
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| 16107.1                                                                                                                                                                                                                                                                                                                                                             | 01 W6-16 DSIE-1F171: 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.) Double-Car (9'2" to 16'2" wide)<br>WINDCODE® W6 Garage Door                                                                                                                                                          |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104724-A-Rev05.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No |
| 16107.2                                                                                                                                                                                                                                                                                                                                                             | 02 W6-16 DSIE-1F171: 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.) Double-Car (9'2" to 16'2" wide)<br>WINDCODE® W6 Garage Door                                                                                                                                                          |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> No<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> No<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> 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. |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104724-B-Rev05.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No |
| 16107.3                                                                                                                                                                                                                                                                                                                                                             | 03 W6-16 PAN-2F153: 73, 75, 84A, 94, 42, 48, 42B, 48B, 4RST, 6RST, GD5S, GR5S, AR5S, ED5S                           | Steel Pan (min. 25 ga.) Double-Car (9'2" to 16'2" wide)<br>WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites                                                                                                                                                                              |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +36 PSF/-42 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104710-A-Rev04.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No |
| 16107.4                                                                                                                                                                                                                                                                                                                                                             | 04 W6-16 PAN-2F153: 73, 75, 84A, 94, 42, 48, 42B, 48B, 4RST, 6RST, GD5S, GR5S, AR5S, ED5S                           | Steel Pan (min. 25 ga.) Double-Car (9'2" to 16'2" wide)<br>WINDCODE® W6 Garage Door                                                                                                                                                                                                                   |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> No<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> No                                                                                                                                                                                                                             |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104710-B-Rev04.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No                                                                                                                            |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Design Pressure:</b> +36 PSF/-42 PSF<br><b>Other:</b> 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.                                                                                                                                            |                                                                                                                     | <b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No                                                                                                                                                                               |
| 16107.5                                                                                                                                                                                                                                                                                                                                                             | 05 W6-16 PAN-2F143: 84A, 94, 98, 48, 48B, 4F, 4RST                                                                  | Steel Pan (min. 24 ga.) Double-Car (9'2" to 16'2" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites                                                                                                                                                                                 |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104753-A-Rev03.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No |
| 16107.6                                                                                                                                                                                                                                                                                                                                                             | 06 W6-16 PAN-2F143: 84A, 94, 98, 48, 48B, 4F, 4RST                                                                  | Steel Pan (min. 24 ga.) Double-Car (9'2" to 16'2" wide) WINDCODE® W6 Garage Door                                                                                                                                                                                                                      |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> No<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> No<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> 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. |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104753-B-Rev03.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No |
| 16107.7                                                                                                                                                                                                                                                                                                                                                             | 07 W6-18 DSIE-1F171: 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.) 16'4" to 18'2" wide WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites                                                                                                                                    |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104751-A-Rev05.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No |
| 16107.8                                                                                                                                                                                                                                                                                                                                                             | 08 W6-18 DSIE-1F171: 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.) 16'4" to 18'2" wide WINDCODE® W6 Garage Door                                                                                                                                                                         |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> No<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> No<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> 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. |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104751-B-Rev05.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No |
| 16107.9                                                                                                                                                                                                                                                                                                                                                             | 09 W6-18 DSIU-1F171: 9200, 9201, 9203, HDP20, HDPF20, HDPL20, 7200, 7201, 7203, 8200, 8201, 8203                    | Double-skin Insulated PUR (exterior skin 27 ga. min.; interior skin 27 ga. min.) 16'4" to 18'2" wide WINDCODE® W6 Garage Door                                                                                                                                                                         |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104777-A-Rev04.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No |
| 16107.10                                                                                                                                                                                                                                                                                                                                                            | 10 W6-18 DSIU-1F171: 9200, 9201, 9203, HDP20, HDPF20, HDPL20, 7200, 7201, 7203, 8200, 8201, 8203                    | Double-skin Insulated PUR (exterior skin 27 ga. min.; interior skin 27 ga. min.) 16'4" to 18'2" wide WINDCODE® W6 Garage Door                                                                                                                                                                         |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> No<br><b>Approved for use outside HVHZ:</b> Yes                                                                                                                                                                                                                                                            |                                                                                                                     | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104777-B-Rev04.pdf</a><br>Verified By: Scott Hamilton FL PE 63286                                                                                                                                                                      |

|                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                             |                                                                                                                                                                                                                                                                                                         |
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| <b>Impact Resistant:</b> No<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> 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.                                                                                                             |                                                                                                                                             | Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No                                                                                                                                       |
| 16107.11                                                                                                                                                                                                                                                                                                                                                            | 11 6-18 PAN-2F153: 73, 75, 75L, 76, 76V, 84A, 94, 4F, 96, 96V, 42, 48, 42B, 48B, 4RST, 6RST, GD5S, GR5S, AR5S, ED5S, GD4S, GR4S, AR4S, ED4S | Steel Pan (min. 25 ga.) Double-Car (16'4" to 18'2" wide) WINDCODE® W6 Garage Door with Optional Impact-Resistant Lites                                                                                                                                                                                  |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +36 PSF/-42 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        |                                                                                                                                             | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104761-A-Rev07_s.pdf</a><br>Verified By: Jim Wheeler FL PE 91932<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.6.pdf</a><br>Created by Independent Third Party: No  |
| 16107.12                                                                                                                                                                                                                                                                                                                                                            | 12 W6-18 PAN-2F153: 73, 75, 75L, 76, 76V, 84A, 94, 96, 96V, 42, 48, 42B, 48B, 4RST, 6RST, GD5S, GR5S, AR5S, ED5S, GD4S, GR4S, AR4S, ED4S    | Steel Pan (min. 25 ga.) Double-Car (16'4" to 18'2" wide) WINDCODE® W6 Garage Door                                                                                                                                                                                                                       |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> No<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> No<br><b>Design Pressure:</b> +36 PSF/-42 PSF<br><b>Other:</b> 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. |                                                                                                                                             | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104761-B-Rev07_s.pdf</a><br>Verified By: Jim Wheeler FL PE 91932<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.6.pdf</a><br>Created by Independent Third Party: Yes |
| 16107.13                                                                                                                                                                                                                                                                                                                                                            | 13 W7-18 PAN-2F143: 84A, 94, 4F, 98, 48, 48B, 4F, 4RST                                                                                      | Steel Pan (min. 24 ga.) 16'4" to 18'2" wide WINDCODE® W7 Garage Door with Optional Impact-Resistant Lites                                                                                                                                                                                               |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +41 PSF/-46 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        |                                                                                                                                             | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104762-Rev03.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No     |
| 16107.14                                                                                                                                                                                                                                                                                                                                                            | 14 W8-16 DSIE-1F171: HDG, HDGL, HDGF, 4300, 4310, 4301, 66, 66G, 67, 67G, 68, 6200, 6201, 6203, SP200, SF200, SE200                         | Double-skin Insulated (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                                                                                                                              |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +46 PSF/-52 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        |                                                                                                                                             | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104736-Rev05.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No     |
| 16107.15                                                                                                                                                                                                                                                                                                                                                            | 15 W8-16 PAN-2F143: 84A, 94, 98, 48, 48B, 4F, 4RST                                                                                          | Steel Pan (min. 24 ga.) Double Car (9'2" to 16'2" wide) WINDCODE® W8 Garage Door with Optional Impact-Resistant Lites                                                                                                                                                                                   |
| <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +46 PSF/-50 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        |                                                                                                                                             | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104754-Rev03.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No     |
| 16107.16                                                                                                                                                                                                                                                                                                                                                            | 16 W8-18 DSIE-1F171: HDG, HDGL, HDGF, 4300, 4310, 4301, 66, 66G, 67, 67G, 68, 6200, 6201, 6203, SP200, SF200, SE200                         | Double-skin Insulated (exterior skin 27 ga. min.; interior skin 27 ga. min.) Double Car (16'4" to 18'2" wide) WINDCODE® W8 Garage Door with Optional Impact-Resistant Lites                                                                                                                             |

|          |                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                       |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +46 PSF/-50 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104752-Rev05.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No   |
| 16107.17 | 17 W8-16 DSIU-1F171: 9200, 9201, 9203, HDP20, HDPF20, HDPL20, 7200, 7201, 7203, 8200, 8201, 8203                                                                                                                                                                                                                                                                    | Double-skin Insulated PUR (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                                                                                                                        |
|          | <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +46 PSF/-52 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104778-Rev05.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No   |
| 16107.18 | 18 W8-18 DSIU-1F171: 9200, 9201, 9203, HDP20, HDPF20, HDPL20, 7200, 7201, 7203, 8200, 8201, 8203                                                                                                                                                                                                                                                                    | Double-skin Insulated PUR (exterior skin 27 ga. min.; interior skin 27 ga. min.) 16'4" to 18'2" wide WINDCODE® W8 Garage Door with Optional Impact-Resistant Lites                                                                                                                                    |
|          | <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +46 PSF/-50 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104779-Rev04.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_121212-A.pdf</a><br>Created by Independent Third Party: No   |
| 16107.19 | 19 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                                                                                                                        |
|          | <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> Yes<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> Yes<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> Max. Wind Speed (V <sub>ult</sub> ): 170 MPH. Solid doors or doors with optional impact-resistant glazing are impact-resistant (large missile impact).        | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104785-A-Rev04.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_130214-A.pdf</a><br>Created by Independent Third Party: No |
| 16107.20 | 20 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                                                                                                                                                             |
|          | <b>Limits of Use</b><br><b>Approved for use in HVHZ:</b> No<br><b>Approved for use outside HVHZ:</b> Yes<br><b>Impact Resistant:</b> No<br><b>Design Pressure:</b> +38 PSF/-42 PSF<br><b>Other:</b> 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. | <b>Installation Instructions</b><br><a href="#">FL16107_R17_II_104785-B-Rev04.pdf</a><br>Verified By: Scott Hamilton FL PE 63286<br>Created by Independent Third Party: No<br><b>Evaluation Reports</b><br><a href="#">FL16107_R17_AE_CBPC_130214-A.pdf</a><br>Created by Independent Third Party: No |

Go to Page 

Page 1 / 3

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

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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**Product Approval Accepts:**



| MODELS | 24 GA SHORT | 24 GA FLUSH |
|--------|-------------|-------------|
| CLOPAY | 84A, 94     | 98          |
| HOLMES | 48, 48B     | --          |
| IDEAL  | 4RST        | 4F          |

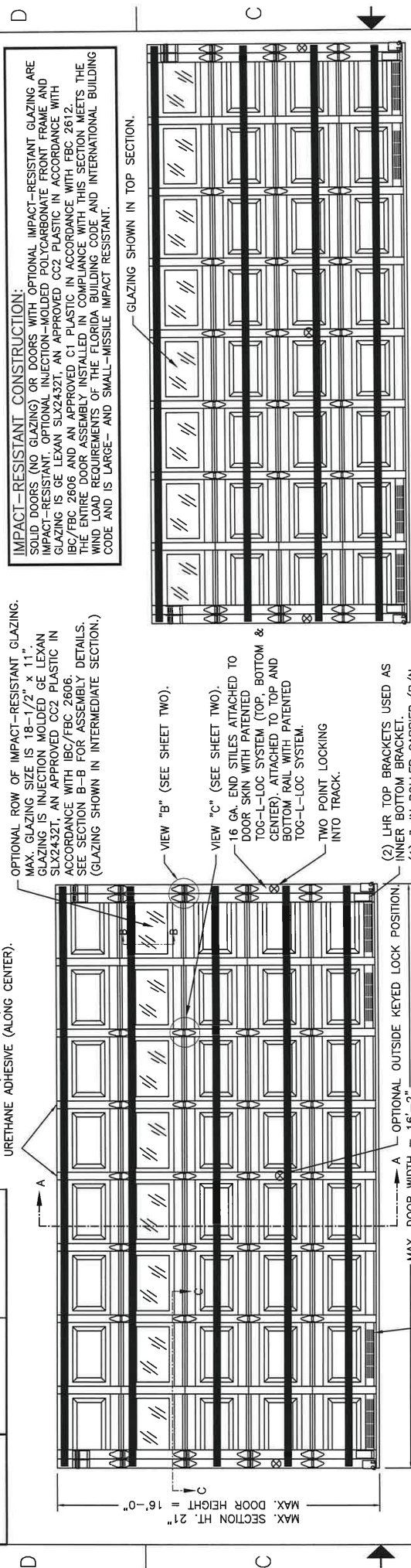
SHEET  
1 OF 3

| REV. NO. | ZONE | DATE     | ECN NO. | APPVD: | DESCRIPTION                                |
|----------|------|----------|---------|--------|--------------------------------------------|
| 02       | -    | 12/20/12 | -       | SH     | ADDED FBC 2612 REFERENCE                   |
| 03       | -    | 8/5/20   | -       | SH     | UPDATED TITLE BLOCK AND REMOVED WIND CHART |

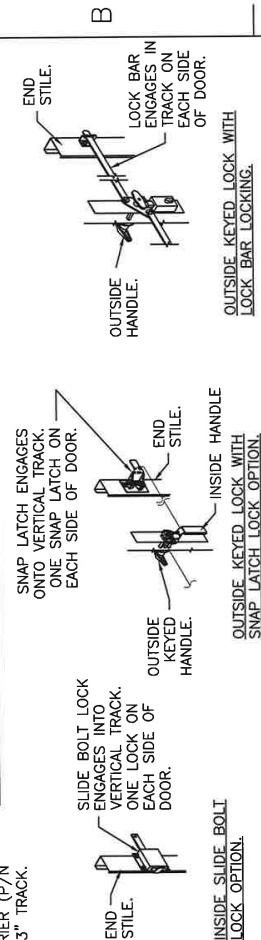
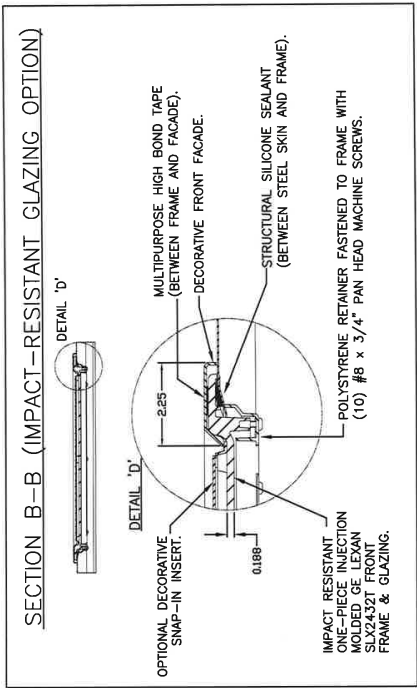
ONE INTERMEDIATE STILE BETWEEN EACH EMBOSS LOCATION. ATTACHED W/ TOG-L-LOC (TOP & BTM) AND URETHANE ADHESIVE (ALONG CENTER).

OPTIONAL ROW OF IMPACT-RESISTANT GLAZING. MAX. GLAZING SIZE IS 18'-1/2" x 11". GLAZING IS INJECTION MOLDED GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606. SEE SECTION B-B FOR ASSEMBLY DETAILS. (GLAZING SHOWN IN INTERMEDIATE SECTION.)

IMPACT-RESISTANT CONSTRUCTION:  
SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT RESISTANT. OPTION: INJECTION MOLDED POLYCARBONATE FRONT FRAME AND GLAZING IS GE LEXAN SLX2432T, AN APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606 AND AN APPROVED C1 PLASTIC IN ACCORDANCE WITH FBC 2612. THE ENTIRE DOOR AND ASSEMBLY IS 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.



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



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

DESIGN LOADS: +46.0 P.S.F. & -50.0 P.S.F.  
TEST LOADS: +69.0 P.S.F. & -78.0 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.

8585 Duke Boulevard  
Mason, OH 45040 USA  
Tel. No. 513-770-4833  
Fax No. 513-770-4833

Clopay

CORPORATION

one

DESCRIPTION: 2" STEEL PAN DOORS 16'2"W (SEE TABLE FOR MODELS)  
DRAWN BY: SH  
CHECKED BY: SH  
DATE: 11/19/12  
DATE: 11/20/12  
DWG. B  
SHEET 1 OF 3  
VER: IBC

MANUFACTURING PRODUCT CODE  
PAN-2F143

PART NO.: N/A

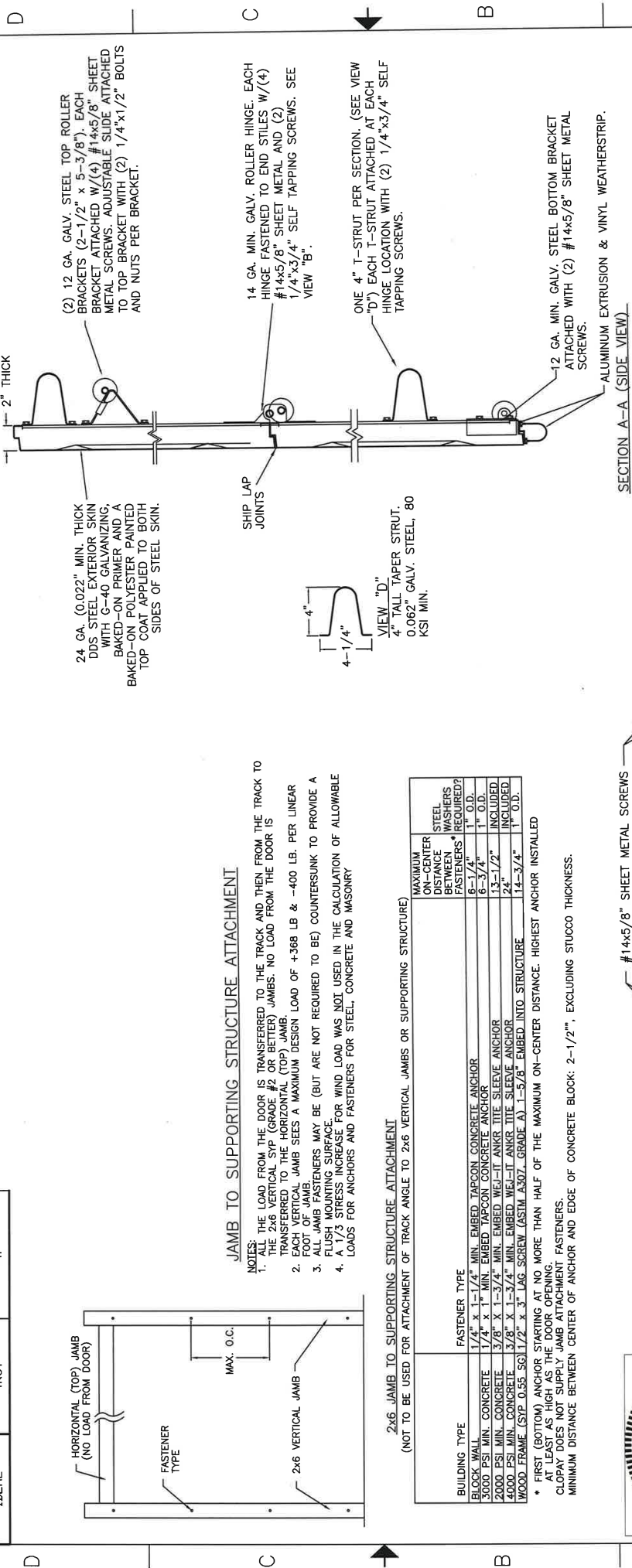
WINDLOAD RATING  
W8 DP46

2 FLORIDA PRODUCT APPROVAL 16107

| MODELS | 24 GA SHORT | 24 GA FLUSH |
|--------|-------------|-------------|
| CLOPAY | 84A, 94     | 98          |
| HOLMES | 48, 48B     | --          |
| IDEAL  | 4RST        | 4F          |

| REVISIONS |      |      |         | DESCRIPTION |                                    |
|-----------|------|------|---------|-------------|------------------------------------|
| REV. NO.  | ZONE | DATE | ECN NO. | APPVD:      | SEE REVISION HISTORY ON SHEET ONE. |
| 03        |      |      |         |             |                                    |

SHEET  
2 OF 3



### JAMB TO SUPPORTING STRUCTURE ATTACHMENT

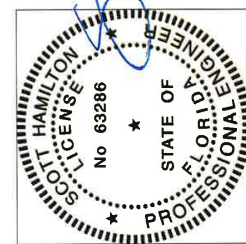
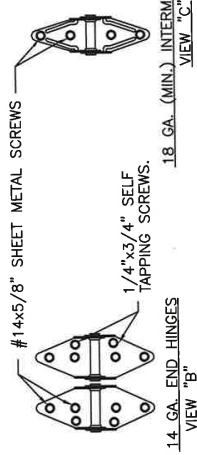
- NOTES:
- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
  - EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +388 LB & -400 LB. PER LINEAR FOOT OF JAMB.
  - ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
  - 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

### 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? |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------|-------------------------|
| BLOCK WALL                                                                                    | 1/4" x 1-1/4" MIN. EMBED TAPCON CONCRETE ANCHOR         | 6-1/4"                                       | 1" O.D.                 |
| 3000 PSI MIN. CONCRETE                                                                        | 1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR             | 6-3/4"                                       | 1" O.D.                 |
| 2000 PSI MIN. CONCRETE                                                                        | 3/8" x 1-3/4" MIN. EMBED WEI-IT ANKR TITE SLEEVE ANCHOR | 13-1/2"                                      | INCLUDED                |
| 4000 PSI MIN. CONCRETE                                                                        | 3/8" x 1-3/4" MIN. EMBED WEI-IT ANKR TITE SLEEVE ANCHOR | 24"                                          | INCLUDED                |
| WOOD FRAME (SYP 0.55 SGL 1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE |                                                         | 14-3/4"                                      | 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

DESIGN LOADS: +45.0 P.S.F. & -50.0 P.S.F.  
TEST LOADS: +69.0 P.S.F. & -78.0 P.S.F.

**Clopay** CORPORATION  
8585 Duke Boulevard  
Houston, TX 77056  
Tel. No. 281-4800  
Fax No. 281-770-4853

UNLESS STATED OTHERWISE TOLERANCES ARE:  
.0 = ±.031  
.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ±1/2

UNLESS STATED OTHERWISE DIMENSIONS ARE IN INCHES

MANUFACTURING PRODUCT CODE  
PAN-2F143

PART NO.: N/A

VINDLOAD RATING  
W8 DP46

DESCRIPTION: 2" STEEL PAN DOORS 16'2"W (SEE TABLE FOR MODELS)  
DRAWN BY: SH  
DATE: 11/19/12  
SCALE: NTS  
CHECKED BY: SH  
DATE: 11/20/12  
SHEET 2 OF 3  
DWG. B

DWG. NO.: 104754  
VER: BC

|        |             |             |
|--------|-------------|-------------|
| MODELS | 24 GA SHORT | 24 GA FLUSH |
| CLIPAY | 84A, 94     | 98          |
| HOLMES | 48, 48B     | --          |
| IDEAL  | 4RST        | 4F          |

REVISIONS

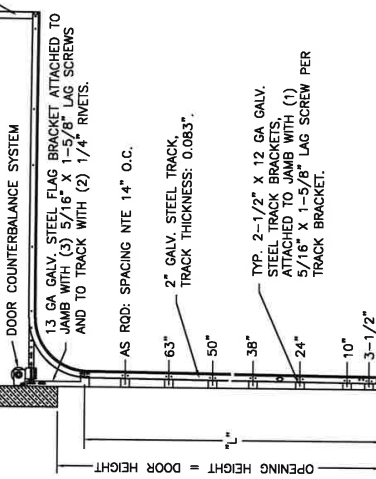
| REV. NO. | ZONE | DATE | ECN NO. | APPV'D | DESCRIPTION                        |
|----------|------|------|---------|--------|------------------------------------|
| 03       | -    | -    | -       | -      | SEE REVISION HISTORY ON SHEET ONE. |

2" TRACK CONFIGURATION  
DOORS UP TO 800 LBS.

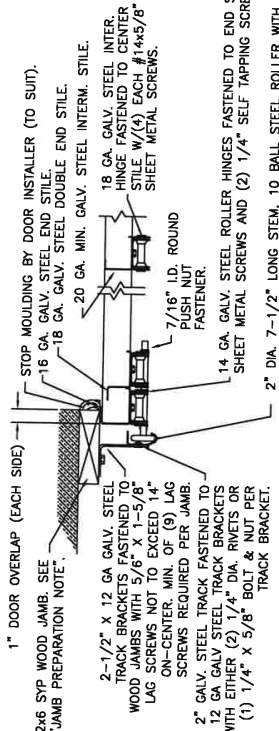
NOTE: TRACK CONFIGURATION ABOVE THE  
DOOR OPENING DOES NOT AFFECT THE  
WIND LOAD RATING OF THIS DOOR.

HORIZONTAL TRACK  
SUPPORT BY DOOR  
INSTALLER (TO SUIT).

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



JAMB CONFIGURATION  
DOORS UP TO 800 LBS.



SECTION C-C

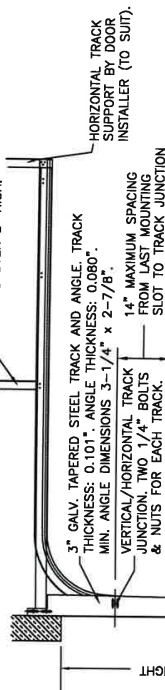
PREPARATION OF JAMBS BY OTHERS.

JAMB CONFIGURATION  
DOORS 800 LBS AND OVER.

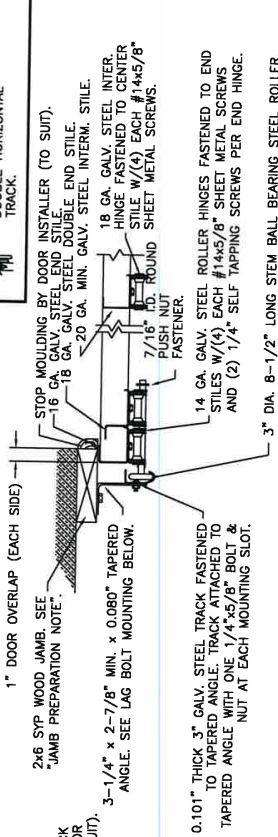
NOTE: TRACK CONFIGURATION ABOVE THE  
DOOR OPENING DOES NOT AFFECT THE  
WIND LOAD RATING OF THIS DOOR.

3" TRACK CONFIGURATION  
DOORS 800 LBS AND OVER.

CENTER HANG REQUIRED FOR  
DOORS OVER 8' HIGH.



JAMB CONFIGURATION  
DOORS 800 LBS AND OVER.



SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

DESIGN LOADS: +46.0 P.S.F. & -50.0 P.S.F.  
TEST LOADS: +69.0 P.S.F. & -78.0 P.S.F.

| DOOR HEIGHT | TRACK LENGTH |
|-------------|--------------|
| 7'-0"       | 72"          |
| 8'-0"       | 84"          |
| 9'-0"       | 96"          |
| 10'-0"      | 108"         |
| 11'-0"      | 120"         |
| 12'-0"      | 132"         |
| 13'-0"      | 144"         |
| 14'-0"      | 156"         |
| 15'-0"      | 168"         |

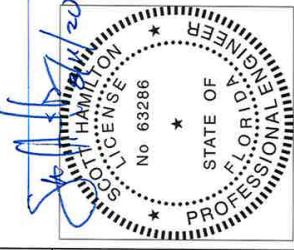
ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME DISTANCES AS THE TRACK BOLTS (I.E. 3'-1/2", 10", 22", 34", 48", ETC.). ADDITIONAL LAG SCREWS LOCATED AT 16", 28", & 40" FROM BOTTOM. TWO LAG SCREWS ALSO LOCATED ABOVE VERTICAL/HORIZONTAL TRACK JOINTS.

MANUFACTURING PRODUCT CODE  
PAN-2F143

PART NO.: N/A  
WINDLOAD RATING  
W8 DP46

6585 Duke Boulevard  
Mason, OH 45040 USA  
Tel. No. 513-776-4800  
Fax. No. 513-776-4800  
DESCRIPTION: 2" STEEL PAN DOORS 16'2"W (SEE TABLE FOR MODELS)  
DRAWN BY: SH  
DATE: 11/19/12 (SCALE: NTS)  
CHECKED BY: SH  
DATE: 11/20/12  
SHEET 3 OF 3  
DWG. B

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



December 12, 2012 (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:**  
104710-A-Rev04, max. door size 16'2" x 16'0"; +36/-42 PSF (design load)  
104761-A-Rev05, max. door size 18'2" x 16'0"; +36/-42 PSF (design load)

**TABLE 2: Drawings for doors with Manufacturing Product Code (MPC) PAN-2F143:**  
104753-A-Rev03, max. door size 16'2" x 16'0"; +38/-42 PSF (design load)  
104762-Rev03, max. door size 18'2" x 16'0"; +41/-46 PSF (design load)  
104754-Rev03, max. door size 16'2" x 16'0"; +46/-50 PSF (design load)

**TABLE 3: Drawings for doors with Manufacturing Product Code (MPC) DSIE-1F171:**  
104724-A-Rev05, max. door size 16'2" x 16'0"; +38/-42 PSF (design load)  
104751-A-Rev05, max. door size 18'2" x 16'0"; +38/-42 PSF (design load)  
104736-Rev05, max. door size 16'2" x 16'0"; +46/-52 PSF (design load)  
104752-Rev05, max. door size 18'2" x 16'0"; +46/-50 PSF (design load)

**TABLE 4: Drawings for doors with Manufacturing Product Code (MPC) DSIU-1F171:**  
104777-A-Rev04, max. door size 18'2" x 16'0"; +38/-42 PSF (design load)  
104778-Rev05, max. door size 16'2" x 16'0"; +46/-52 PSF (design load)  
104779-Rev04, max. door size 18'2" x 16'0"; +46/-50 PSF (design load)

**TABLE 5: Drawings for doors with Manufacturing Product Code (MPC) W-1G899:**  
104939-Rev03, max. door size 9'0" x 12'0"; +47/-55 PSF (design load)  
104998-Rev05, max. door size 16'2" x 12'0"; +41/-47 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:  
104710-B-Rev04, max. door size 16'2" x 16'0"; +36/-42 PSF (design load)  
104761-B-Rev05, max. door size 18'2" x 16'0"; +36/-42 PSF (design load)

**TABLE 7:** Drawings for doors with Manufacturing Product Code (MPC) PAN-2F143:  
104753-B-Rev03, max. door size 16'2" x 16'0"; +38/-42 PSF (design load)

**TABLE 8:** Drawings for doors with Manufacturing Product Code (MPC) DSIE-1F171:  
104724-B-Rev05, max. door size 16'2" x 16'0"; +38/-42 PSF (design load)  
104751-B-Rev05, max. door size 18'2" x 16'0"; +38/-42 PSF (design load)

**TABLE 9:** Drawings for doors with Manufacturing Product Code (MPC) DSIU-1F171:  
104777-B-Rev04, max. door size 18'2" x 16'0"; +38/-42 PSF (design load)

#### **Test Reports:**

ATL-0801.01-12 (8/15/12), ATL-0813.01-12 (10/9/12), ATL-1015.01-12 (11/3/12), ATL-1113.01-12R (2/18/13), ATL-1107.01-12 (11/20/12), ATL-1023.01-12 (11/13/12), ATL-1009.01-12R (11/20/12), ATL-0827.01-12 (10/9/12), ATL 0123.01-14 (9/3/2014), ATL 0121.01-15 (2/6/2015). 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. 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. The maximum section height is 21". These doors may have optional Impact-Resistant Glazing. 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, 4RST, 4F, 48, 48B. Not all models may be shown on a given drawing.

#### **Product Description for doors with MPC DSIE-1F171:**

These doors consist of 2" double-skin insulated sections with an EPS core laminated to both skins. Both inner and outer skins are min. 27 ga. (0.016") G40 DDS per ASTM A653. The maximum section height is 21". These doors may have optional Impact-Resistant Glazing (IM). Optional Impact-Resistant Glazing (IM) is a one-piece injection-molded front frame and glazing. The following models are at least structurally equivalent to the tested door: 4300, 4301, 4310, HDG, HDGL, HDGF, 66, 66G, 67,

67G, 68, 6200, 6201, 6203, SP200, SF200, SE200. Not all models may be shown on a given drawing.

Product Description for doors with MPC 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. 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 W-1899:

These doors consist of 2-13/16" custom wood door sections with hemlock rails and stiles and decorative cladding and overlays. The maximum section height is 28". These doors may have optional Impact-Resistant Glazing. Optional Impact-Resistant Glazing is certified laminated glass as detailed on the individual drawings. The following models are at least structurally equivalent to the tested door: CR800, MR800, CH900, CRDnnn. Not all models may be shown on a given drawing.

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

