

August 21, 2023 (Revised October 13, 2023)

Evaluation Report for Clopay Corporation Sectional Garage Doors: Various Products

For the doors listed in Tables 1 through 2, Static Pressure Tests were conducted in accordance with ASTM-E330-2002 and/or ANSI/DASMA 108-2005. The pressures listed on the drawings are either direct results of these tests or results obtained through engineering rational analysis based on actual tests. I have concluded that the sectional garage door designs listed below in Tables 1 through 2 are in compliance with these test requirements of the Florida Building Code.

TABLE 1: Drawings for doors with Manufacturing Product Code (MPC) PAN-2F151/3/6:

101308-Rev14, max. door size 16'0" x 16'0"; +20/-20 PSF (design load)
101348-Rev19, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)
101593-Rev16, max. door size 16'0" x 16'0"; +30/-30 PSF (design load)
101711-Rev17, max. door size 16'0" x 16'0"; +24.5/-24.5 PSF (design load)
101922-Rev16, max. door size 16'0" x 16'0"; +32/-32 PSF (design load)
102110-Rev18, max. door size 9'0" x 16'0"; +30/-32 PSF (design load)
300159-Rev18, max. door size 9'0" x 16'0"; +25/-32 PSF (design load)

TABLE 2: Drawings for doors with Manufacturing Product Code (MPC) PAN-2F441/3/6:

103454-Rev07, max. door size 16'0" x 16'0"; +25/-25 PSF (design load)
103471-Rev08, max. door size 16'0" x 16'0"; +30/-30 PSF (design load)
103486-Rev11, max. door size 9'0" x 16'0"; +25/-32 PSF (design load)
103487-Rev09, max. door size 9'0" x 16'0"; +30/-32 PSF (design load)
103488-Rev09, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)

TABLE 3: Drawings for doors with Manufacturing Product Code (MPC) PANSP-2F151:

103556-Rev08, max. door size 9'0" x 16'0"; +32/-37 PSF (design load)

TABLE 4: Drawings for doors with Manufacturing Product Code (MPC) SPO-2F449:

103549-Rev08, max. door size 9'0" x 12'0"; +25/-32 PSF (design load)
103550-Rev09, max. door size 16'0" x 16'0"; +24/-24.5 PSF (design load)
103552-Rev07, max. door size 9'0" x 16'0"; +30/-32 PSF (design load)
103553-Rev08, max. door size 16'0" x 16'0"; +30/-30 PSF (design load)
103554-Rev09, max. door size 9'0" x 16'0"; +38/-44 PSF (design load)
105983-Rev09, max. door size 16'0" x 16'0"; +25/-25 PSF (design load)

Test Reports:

The following test reports are based on testing conducted by American Test Lab at their North Carolina Facility: ATL 0107.01-13 (2/20/13), ATL 0308.01-13 (5/1/13), ATL 0427.01-10 (6/25/10), 0517.01-10 (6/25/10), 1024.01-11 (11/16/11), 1027.01-11 (11/16/11). 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 for ASTM E330 and ANSI/DASMA 108 testing): ATC 12-001 (1/11/12), ATC 12-006 (3/26/12), ATC 13-013 (4/29/13), ATC 16-006 (5/3/16), ATC 17-001 (1/31/17), ATC 17-007 (6/27/17), ATC 19-002 (1/29/19), ATC 20-001 (11/7/20), ATC 20-006 (5/7/20), ATC 20-007 (10/6/23), ATC 22-012 (3/31/22), ATC 22-014 (10/6/23), ATC 22-031 (10/6/23), ATC 23-010 (10/9/23).

EVALUATION REPORT FOR CLOPAY CORPORATION SECTIONAL GARAGE DOORS: VARIOUS PRODUCTS

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

These doors consist of 2" thick steel pan sections with min. 25 ga. (0.019") skins. The steel skin is at least G40 CS-B per ASTM A653. The maximum section height is 21". The sections may have EPS foam insulation inserted into the pan cavity. Not all models may be shown on a given drawing.

Product Description for doors with MPC PAN-2F441:

These doors consist of 2" thick steel pan sections with min. 24 ga. (0.022") skins. The steel skin is at least G40 CS-B per ASTM A653. The maximum section height is 24". The sections may have EPS foam insulation inserted into the pan cavity. Not all models may be shown on a given drawing.

Product Description for doors with MPC PANSP-2F151:

These doors consist of 2" thick steel pan sections with min. 25 ga. (0.019") skins. The steel skin is at least G40 CS-B per ASTM A653. The maximum section height is 21". The sections may have EPS foam insulation inserted into the pan cavity. Not all models may be shown on a given drawing.

Product Description for doors with MPC SPO-2F449:

These doors consist of 2" thick steel pan doors with min. 24 ga. (0.022") outer skins. The steel skin is at least G40 per ASTM A653. The maximum section height is 24". The sections may have decorative overlays. The following models are at least structurally equivalent to the tested door: GHnn, GHRnn, GHRvnn, SPnn, SPVnn, SMnn where "nn" represents the configuration of the overlays. Not all models may be shown on a given drawing.

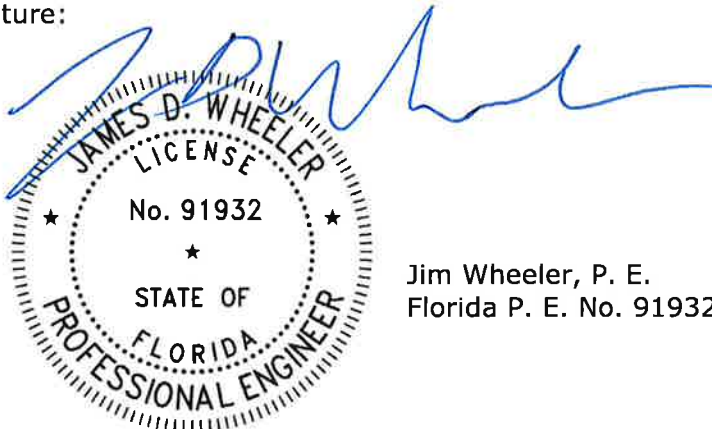
Limitations:

The drawing(s) cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details and relies on the illustrations and text of these drawings as well.

Jambs, lintels, sills or other structural elements required to prepare openings are not covered. The design of the supporting structural elements shall be the responsibility of the professional of record for the building or structure and in accordance with current building codes for the loads listed on the drawing(s) referenced above.

Installation requirements per the relevant Florida Administrative Rule, including attachments, are detailed on the drawing(s) listed above. Installation must be in accordance with manufacturer's installation instructions and must be as shown on the drawing(s) listed above. The manufacturer's licensed design professional listed on the drawing(s) has reviewed the attachment details and installation requirements.

Signature:



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