

June 19, 2009

Rev. 2/15/12

EVALUATION REPORT No.:**ER-09-0008-R****Reference No.:** 29018_32003**Product:** Exterior Doors - Rolling Overhead Doors
Series 1100**Manufacturer:** Janus International Corporation
134 Janus International Blvd.
Temple, GA 30179-4435**Statement of Compliance:**

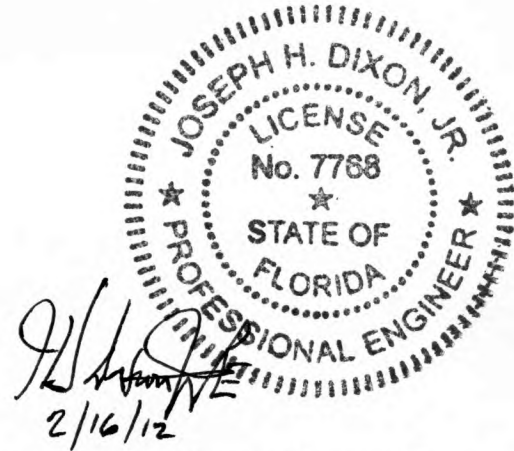
The Rolling Doors, Series 1100 described in this report were evaluated to be in compliance with the 2010 Florida Building Code. The doors are, for the purpose intended, at least equivalent to that required by the Code when manufactured and installed as described below.

Description of the Product:

All doors consist of a corrugated steel sheet curtain suspended from a barrel. Coiling around the barrel raises the curtain. The sides of the curtain are constrained from lateral movement along their vertical edges by steel guides that are attached to the door jambs. This constraint provides resistance to lateral wind forces. The lateral wind forces are transferred from the curtain to the guides and then through the attachment elements to the door jamb. The door jambs are part of the main wind frame resisting system and usually are constructed of steel, concrete, or concrete masonry units.

Door curtains have a thickness of 26 gage (min. 0.017 in.) and are made of ASTM A653 structural steel, grade 80, pre-painted, galvanized steel with a full coat of primer and baked siliconized polyester finish coat. The corrugated sheets are interlocked mechanically to form the curtain. Lap splices are at approximately 20 inches on center vertically in the installed door. The corrugation height is approximately 5/8 inches and the corrugation pitch is 3.25 in. Style variations include door width and wind load rating. Maximum door height is limited to 14'-0". The doors are described in detail on drawings T1012 (8'-8" wide) and T1013 (10'-0" wide). Tests were conducted on each of the two width doors shown. The tests were conducted on the 750 Series doors which were deemed to be equivalent to the 1100 Series. The differences between the 1100 Series and the 750 Series Doors relate solely to the operation of the door and in no way change the wind resisting elements of the door (chain hoist, locks, etc.).

All doors covered in this report have windlocks on every other corrugation. The guide geometry and attachment method is fully described on the drawings.



Maximum door widths and heights are shown in Table 1. The pressures shown in Table 1 are the maximum allowable design wind load values. These design pressures may be used for narrower width doors of the same Series provided all other requirements of the wider door remain unchanged.

Drawings

The Door Series 1100 covered by this report are described in detail on the following Janus International Corporation drawings:

Drawing T1012: 8'-8" wide max. x 14'-0" high max., shts 1 and 2 of 2, rev 06/17/09, © 2012

Drawing T1013: 10'-0" wide max. x 14'-0" high max., shts 1 and 2 of 2, rev 06/17/09, © 2012

Technical Documentation:

All testing was done at Certified Testing Laboratories, Orlando, Florida. Tests for Series 750 were conducted following the procedures of ASTM E330, Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference. The following test reports, signed and sealed by R. Patel, P.E. cover the Series 750 Series doors contained in this report. Tests on the Series 750 doors are applicable to the Series 1100 doors.

- Test Report No.: CTLA-983W-2, date: December 2, 2002, (Series 750, T1002) or (Series 1100, T1012). 8'-8" wide x 8'-0" high, +24.4 / -27.0 psf design pressure
- Test Report No.: CTLA-983W-3, date: November 7, 2002, (Series 750, T1003) or (Series 1100, T1013). 10'-0" wide x 8'-0" high, +19.4 / -22.7 psf design pressure

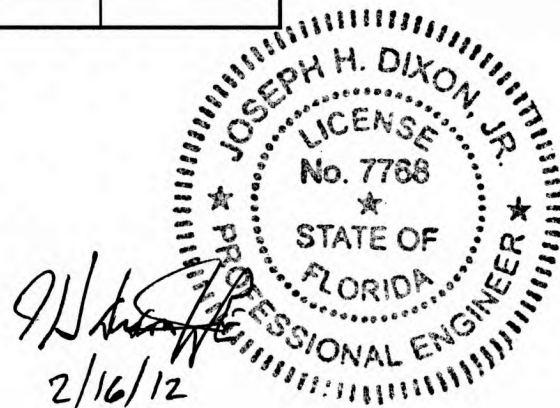
Calculations prepared by Joseph H. Dixon, Jr. P.E.:

- Series 1100 verification of compliance with ANSI/DASMA 108.

TABLE 1
Allowable Transverse Design Wind Loads (psf)

Series	Max. Door Width	Max. Door Height	Drawing Number	Design Load Positive	Design Load Negative
1100	8'-8"	14'-0"	T1012	24.4	27.0
1100	10'-0"	14'-0"	T1013	19.4	22.7

Design values used for the tests are shown.
Maximum test load was 150% of design load.



Installation Requirements:

Installation requirements are described in the Janus International Corporation Installation Instructions as follows:

- Series 1100: 4 pages, Door Installation Instructions Series 750/1000/1100, dated 6/01/07

Limitations and Conditions of use:

The use of any door is limited to buildings for which the design wind loads for wall components and cladding, determined in accordance with Section 1609 of the 2010 Florida Building Code, do not exceed the rated design wind loads of the door as shown in Table 1.

The maximum width and height limitations are shown in Table 1.

Doors are to be assembled as shown on the appropriate drawing referenced above, and the doors are to be installed in accordance with the installation instructions referenced above.

Door manufacturing is limited to those plants that have met the 2010 Florida Building Code Product Approval quality assurance requirements.

The doors covered by this report are not for use in the Florida High-Velocity Hurricane Zone.

Certification of Independence:

I, Joseph H. Dixon, Jr., certify that I am self-employed and operate as an independent contractor providing professional engineering services. I have no financial interest in nor will I acquire any financial interest in any company manufacturing or distributing products for which evaluation or validation reports have been issued by me.

Likewise, I have no financial interest in nor will I acquire any financial interest in any other entity involved in the approval process of those products for which I have issued reports.



Joseph H. Dixon, Jr. P.E.

