

November 29, 2016

Janus International
Curtis Schroeder
135 Janus International Blvd
Temple, GA 30179

Re: Janus Model 750 Rolling Door

To Whom It May Concern:

At the request of Janus International, I have reviewed the drawings and tests listed below. The tests were conducted by Underwriters Laboratories according to ANSI/DASMA 108 and ASTM E-330 test procedures. Testing complied with DASMA 108-05, 108-2012 and E330-02. The pressure listed on the drawings are the direct result of these tests or conservative engineering rational analysis from the actual tests. I have concluded that the construction shown on these drawings comply with the structural requirements of the 5th Edition (2014) Florida Building Code. I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

Drawings

T1000-RevD	Model 750 Rolling Curtain Door up to 3'-0" wide,	+35.0 / -45.0 PSF
T1001-RevD	Model 750 Rolling Curtain Door up to 6'-0" wide,	+19.9 / -24.4 PSF
T1002-RevD	Model 750 Rolling Curtain Door up to 8'-8" wide,	+24.4 / -27.0 PSF
T1003-RevD	Model 750 Rolling Curtain Door up to 10'-0" wide,	+19.4 / -22.7 PSF

Test Report

Test Reports

<u>Drawing</u>	<u>UL Test Report</u>	<u>Test Date</u>
T1000-RevD	SV30743-20161010-Report 1	09-26-2016
T1001-RevD	SV30743-20161010-Report 2	09-26-2016
T1002-RevD	SV30743-20161010-Report 3	09-26-2016
T1003-RevD	SV30743-20161010-Report 4	09-26-2016

The test facility was located at:

UL LLC
750 Anthony Trail
Northbrook, IL 60062

The test reports were signed by an authorized representative of UL LLC, which is an accredited independent laboratory.

Testing was conducted in a manner that complied with DASMA 108-2012, and with ASTM E330-02. I certify that DASMA 108-2012 is backwards compatible with DASMA 108-2005 for rolling door products such as these.

Calculations

The loads applied to the jambs by the door via direct pressure and end-tension catenary forces were computed using industry standard methods. These results are shown as "Vx" and "Vy" on sheet 2 of each drawing. In some instances, the catenary load was zero and thus Vx does not appear on these drawings.

Installation

Anchorage Requirements:

The door drawing includes means to attach the door to Steel or Concrete building structure as detailed on Sheet 2.

This Evaluation Report does not address design of the wall/jambs themselves, but provides the anticipated jamb loads that will be generated by this product, Vx and Vy, also illustrated on Sheet 2.

Model Description

This Evaluation is for Model 750 Rolling Doors by Janus International.

All doors consist of a corrugated steel sheet curtain suspended from a drum roller. The curtain on all models is suspended from a drum roller. Coiling around the drum 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 wind forces. Various guide configurations are used for the different door styles included in this report. The wind forces are transferred from the curtain to the guides and then through the attachment elements to the door jamb.

Series 750 (Mini Door)

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 inches. Style variations include door width, windlocks, and wind load rating.

Maximum door height is limited to 12'-0".

Various door widths are described in detail on drawings T1000 (3'-0" wide), T1001 (6'-0" wide), T1002 (8'-8" wide), and T1003 (10'-0" wide).

Doors 3'-0" wide are constructed according to drawing T1000.

Doors greater than 3'-0" wide up to 6'-0" wide are constructed according to drawing T1001. A chart on this drawing shows the allowable pressure ratings based on various door widths.

Doors greater than 6'-0" wide up to 12'-0" wide may be constructed per drawings T1002 and T1003. Widths not specifically listed carry the same design wind pressure as the next larger documented width provided all other requirements on the larger width door drawing remain unchanged.

Doors shown on drawings T1000 and T1001 do not have windlocks.

Doors shown on drawings T1002 and T1003 have windlocks.

Limitations

The drawings cited above are an explicit part of this evaluation report. The text of this report does not attempt to address all design details, but relies upon the illustrations and text of these drawings and instructions as well.

Each door should be chosen based on the "psf" requirement determined for a specific installation or locale.

The maximum opening width approved with this report is 10'.

The maximum door height approved with this report is 12' nominal.

Doors narrower than tested width are allowed, but carry the same psf as the tested product. Exception: Drawing T1001 has a chart for widths less than tested that may be used.

The user of this product is reminded that rolling steel doors can generate substantial catenary forces at the jambs ("Vx"). The building jambs must be designed to withstand these loads in combinations of Vx with Vy(+), and Vx with Vy(-) shown on sheet 2 of the drawings.

These doors have not been evaluated for impact.

These doors have not been evaluated for use in the Florida High Velocity Hurricane Zone (HVHZ).

John E. Scates, P.E.
FL PE #51737