GENERAL NOTES

1. THIS JAMMER SYSTEM IS DESIGNED IN ACCORDANCE WITH THE FLOREO BUILDING CODE.
2. THIS JAMMER SYSTEM HAS BEEN TESTED IN ACCORDANCE WITH ASTM D-259 AND CONFORMS TO ANSI/ASME A156-97.

DESIGN LOAD = 11.9 PSI

3. YIELD LOADS FOR BUILDING OUPPERSHALL BE DETERMINED BY A PROFESSIONAL ENGINEER USING APPROPRIATE VENT VOLUME AND DESIGN LOAD. THIS DOOR MAY BE USED WHERE THE DESIGN LOAD METES OR EXCEEDS THE DESIGN LOAD FOR THE AMOUNT OF LOAD SHOWN.

4. SUPERIMPOSED LOADS ON THE JAMER FROM THE DOOR ARE DESIGNED AS 1/4 TIMES THE YIELD LOAD SHOWN. CONTRACTORS SHALL HAVE BUILDING ENGINEER DETERMINE ADDITIONAL LOADS ON STRUCTURE TO NESS JAMER SUPERIMPOSED LOADS VARIOUS AMOUNTS AT A MINIMUM OF 1/4 TIMES THE YIELD LOAD SHOWN.

5. ALL SUPERIMPOSED LOADS SHALL BE PERFORMED BY QUALIFIED INC. IN ACCORDANCE WITH THE SPECIFICATIONS LATEST EDITION. ALL READING ELECTRONICAL LOADS CONFORM TO UL R.S. 150 GROUP I.C.

6. DOORS SHALL BE PROVIDED WITH LOCK MECHANISMS AT THE BOTTOM OF THE JAMER.

7. ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM PROOF STRENGTH OF 103200.

8. DESIGN BASES ON MATERIAL TECHNOLOGY TEST REPORT NO. ESR140574-4.

9. ANCHOR NOTES:
   A. ANCHORING LENGTH DOES NOT INCLUDE STUDDED LOADS.
   B. FOR MASONRY MASONRY, ALL BOLTS @ ANCHOR WITH 3/8" FB/SHORT.
   C. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.

10. DOORS OPERATING THROUGH TO BE PUSH-UP.

11. GUIDE TO JAMER ATTACHMENT PATTERN IS GIVEN ON FLOOR AND END 3-1/2" BELOW TOP OF WALL FOR 4' OPEN DOOR.

12. TEST DOOR WALL OPENING SIZE: 10'4" x 8'-0".

MILL & FOAM BLOCK CONCRETE

DOOR MOUNTING BRACKET DETAIL

EXISTING CONCRETE

TWO 1/4" # POWERS WEDGE-BOLTS W/ 1-1/2" NIPPLE PENETRATION INTO MASONRY. FILL CONCRETE. PLACE NATIONAL COAT OF GLUE/FOAM BETWEEN CONCRETE AND JAMER. INSTALL TWO 1/4" # STEEL SCREWS W/ FULL PENETRATION INTO 1/4" STEEL. INSTALL FOLLOWING AS SHOWN.

STEEL JAMER

CONCRETE-FILLED BLOCK JAMER

CONCRETE-FILLED BLOCK JAMER

CONCRETE-FILLED BLOCK JAMER

CONCRETE-FILLED BLOCK JAMER

SUPERIMPOSED LOAD DIAGRAM

STATE OF MISSOURI

JOSEPH H. IXON, JR.
PROFESSIONAL ENGINEER

18627

IN LOUISIANA

12/11/13

JANUS INTERNATIONAL CORPORATION

135 JANUS INTERNATIONAL BLVD., TEMPLE, GA 30179-4435

770-562-2850Fax 770-562-2204

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CERTIFIED WIND LOAD RATED

26 GA SERIES 750 DOOR ASSEMBLY

MAX. SIZE: 10'-0" x 12'-0"

T1003

PROG C

B

D. C. WILLIAMS 11-14-02

D. C. WILLIAMS 11-14-02

D. C. WILLIAMS 11-14-02

D. C. WILLIAMS 11-14-02

STATE OF MISSOURI

JOSEPH H. IXON, JR.
PROFESSIONAL ENGINEER

18627

IN LOUISIANA

12/11/13
The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: GDR-39 Effective Date: March 1, 2018
Re-evaluation Date: March 2022

Product Name: Series 750 Steel Roll Up Doors, Non-impact Resistant

Manufacturer: Janus International Corporation
135 Janus International Blvd.
Temple, GA 30179-4435
(866) 562-2580
www.janusintl.com

General Description:
This evaluation report is for the Series 750 steel roll up doors. The steel roll-up doors consist of a corrugated steel curtain that is suspended from a barrel. Coil springs, located within the barrel, raise and lower the curtain, which wraps around the barrel. A push-up, hand chain, or electric operation raise the steel curtain. The sides of the curtain are constrained from lateral movement along their vertical edges by steel guides that are attached to the structure. The steel roll up doors specified in this evaluation report are non-impact resistant. This evaluation report includes the following doors:

<table>
<thead>
<tr>
<th>System</th>
<th>Description</th>
<th>Maximum Width</th>
<th>Maximum Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>26-Gauge Series 750 Roll Up Doors; Single Curtain</td>
<td>3'-0&quot;</td>
<td>12'-0&quot;</td>
</tr>
<tr>
<td>2</td>
<td>26-Gauge Series 750 Roll Up Doors; Single Curtain</td>
<td>6'-0&quot;</td>
<td>12'-0&quot;</td>
</tr>
<tr>
<td>3</td>
<td>26-Gauge Series 750 Roll Up Doors; Single Curtain; Windlocks</td>
<td>8'-8&quot;</td>
<td>12'-0&quot;</td>
</tr>
<tr>
<td>4</td>
<td>26-Gauge Series 750 Roll Up Doors; Single Curtain; Windlocks</td>
<td>10'-0&quot;</td>
<td>12'-0&quot;</td>
</tr>
</tbody>
</table>
The steel roll up doors specified in this evaluation report consist of the following components:

- **Curtain:** 26-gauge corrugated steel that is roll-formed from ASTM A 653 grade 80 steel. The corrugated sheets are galvanized and pre-painted with silicone polyester paint. The corrugated sheets are interlocked mechanically to form the curtain.

- **Guides (Systems 1 and 2):** 18-gauge roll-formed from ASTM A 653 steel. The dimensions of the guide are 1-31/32" x 1-19/32".

- **Guides (Systems 3 and 4):** 16-gauge roll-formed from ASTM A 653 steel. The dimensions of the guide are 2-1/8" x 2-5/16".

- **Bottom Bar (Systems 1 and 2):** One 24-gauge galvanized steel bottom bar full length of curtain. One roll-formed steel angle, 2" x 1-1/2" x 0.105" x full length. The steel angle is attached to the steel bottom bar with 1/4" diameter thru bolts and lock nuts. One bolt is located at each end and two bolts are located at the center. A continuous vinyl bulb astragal is attached to the bottom of the steel angle.

- **Bottom Bar (Systems 3 and 4):** One 24-gauge galvanized steel bottom bar full length of curtain. One roll-formed steel angle, 2" x 1-1/2" x 0.105" x full length. The steel angle is attached to the steel bottom bar with 1/4" diameter thru bolts and lock nuts. Two bolts are located at each end and two bolts are located at the center. One bolt is located 24" on center. A continuous vinyl bulb astragal is attached to the bottom of the steel angle.

- **Windlocks (Systems 3 and 4):** 12-gauge galvanized steel. The windlock is attached to each side of the curtain at every other corrugation. Each windlock is attached to the curtain with two, 3/16" diameter zinc coated rivets.

- **Hardware:** Slide latch

**Product Identification:** A label will be affixed to the bottom bar of the steel roll up door. The label shall include the manufacturer’s name, series number of door, the allowable design pressure rating, the design drawing number, and tested per ASTM E 330 and ANSI/DASMA 108.

**Limitations:**

<table>
<thead>
<tr>
<th>System</th>
<th>Maximum Width</th>
<th>Maximum Height</th>
<th>Drawing</th>
<th>Design Pressure Rating (psf)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3'-0&quot;</td>
<td>12'-0&quot;</td>
<td>T1000</td>
<td>+35, -45</td>
</tr>
<tr>
<td>2</td>
<td>6'-0&quot;</td>
<td>12'-0&quot;</td>
<td>T1001</td>
<td>+19.9, -24.4</td>
</tr>
<tr>
<td>3</td>
<td>8'-8&quot;</td>
<td>12'-0&quot;</td>
<td>T1002</td>
<td>+24.4, -27</td>
</tr>
<tr>
<td>4</td>
<td>10'-0&quot;</td>
<td>12'-0&quot;</td>
<td>T1003</td>
<td>+19.4, -22.7</td>
</tr>
</tbody>
</table>

- **Glazing:** None
- **Impact Resistance:** The doors listed in this report do not satisfy TDI’s criteria for protection from windborne debris. Protect the door assemblies with an impact protective system when installing the product in areas that require windborne debris protection.
- **Acceptance of Smaller Assemblies:** Door assemblies with dimensions equal to or smaller than those specified above are acceptable within the limitations specified in this report.
- **Drawings** (The appropriate drawing listed below must be available at the job site):
  - **System 1:** Janus International Corporation; Certified Wind Load Rated 26 GA. Series 750 Door Assembly Max. Size 3'-0" x 12'-0"; Drawing No. T1000, Rev C; Sheet 1 and 2 of 2; revised 10-24-13; sealed by Joseph H. Dixon, P.E., dated December 11, 2013.
- **System 2:** Janus International Corporation; Certified Wind Load Rated 26 GA. Series 750 Door Assembly Max. Size 6'-0" x 12'-0"; Drawing No. T1001, Rev C; Sheet 1 and 2 of 2; revised 10-24-13; sealed by Joseph H. Dixon, P.E., December 11, 2013.

- **System 3:** Janus International Corporation; Certified Wind Load Rated 26 GA. Series 750 Door Assembly Max. Size 8'-8" x 12'-0"; Drawing No. T1002, Rev C; Sheet 1 and 2 of 2; revised 10-24-13; sealed by Joseph H. Dixon, P.E., dated December 11, 2013.

- **System 4:** Janus International Corporation; Certified Wind Load Rated 26 GA. Series 750 Door Assembly Max. Size 10'-0" x 12'-0"; Drawing No. T1003, Rev A; Sheet 1 and 2 of 2; revised 4-16-2004; sealed by Joseph H. Dixon, P.E., dated December 11, 2013.

**Installation Instructions:**
Install the steel roll up doors to the substrate using one of the following methods (refer to the design drawings referenced above for further guidance):

**Bolted to cast-in-place, pre-cast concrete, or grout-filled CMU substrate:**
- **Systems 1 and 2: Guide Mounting:** Anchor each guide to the substrate with minimum 1/4" x 1-3/4" Powers Wedge-Bolt anchors. Place the anchors through the interior of the guide into the substrate. Space the anchors a maximum of 24" on center along the length of the guide through the pre-drilled holes in the guide. If the bolt must penetrate through a wall covering, then increase the bolt length by the thickness of the wall covering material. Locate the back end of the guide a minimum of 1-31/32" away from the edge of the door opening. Grout must be minimum 2,500 psi. **Tensioner Bracket Mounting:** Anchor each bracket to the substrate with two minimum 1/4" diameter Powers Wedge-Bolt anchors with a minimum 1-1/2" embedment. If the bolts must penetrate through a wall covering, then increase the bolt length by the thickness of the wall covering material.

- **Systems 3 and 4: Guide Mounting:** Anchor each guide to the substrate with minimum 5/16" x 2-1/4" Tapcon XL anchors. Place the anchors through the interior of the guide into the substrate. Space the anchors a maximum of 12" on center along the length of the guide through the pre-drilled holes in the guide. If the bolt must penetrate through a wall covering, then increase the bolt length by the thickness of the wall covering material. Locate the back end of the guide a minimum of 2-5/8" away from the edge of the door opening. Grout must be minimum 2,500 psi. **Tensioner Bracket Mounting:** Anchor each bracket to the substrate with two minimum 1/4" diameter Powers Wedge-Bolt anchors with a minimum 1-1/2" embedment. If the bolts must penetrate through a wall covering, then increase the bolt length by the thickness of the wall covering material.

**Bolted to steel substrate:**
- **Systems 1 and 2: Guide Mounting:** The steel substrate shall be minimum 1/8" thick A36 steel. Anchor each guide to the substrate with minimum 1/4-14 x 1" self-drilling TEKS screws. Place the screws through the interior of the guide into the substrate. Space the screws a maximum of 24" on center along the length of the guide through the pre-drilled holes in the guide. If the screws must penetrate through a wall covering, then increase the bolt length by the thickness of the wall covering material. **Tensioner Bracket Mounting:** Anchor each bracket to the substrate with two minimum 1/4" diameter steel screws with full penetration into the steel. If the screws must penetrate through a wall covering, then increase the screw length by the thickness of the wall covering material.
- **Systems 3 and 4: Guide Mounting:** The steel substrate shall be minimum 1/8" thick A36 steel. Anchor each guide to the substrate with minimum #12-14 x 1" self-drilling TEKS screws. Place the screws through the interior of the guide into the substrate. Space the screws a maximum of 12" on center along the length of the guide through the pre-drilled holes in the guide. If the screws must penetrate through a wall covering, then increase the bolt length by the thickness of the wall covering material. **Tensioner Bracket Mounting:** Anchor each bracket to the substrate with two minimum 1/4" diameter steel screws with full penetration into the steel. If the screws must penetrate through a wall covering, then increase the screw length by the thickness of the wall covering material.

**Note:** Keep the manufacturer’s installation instructions available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.