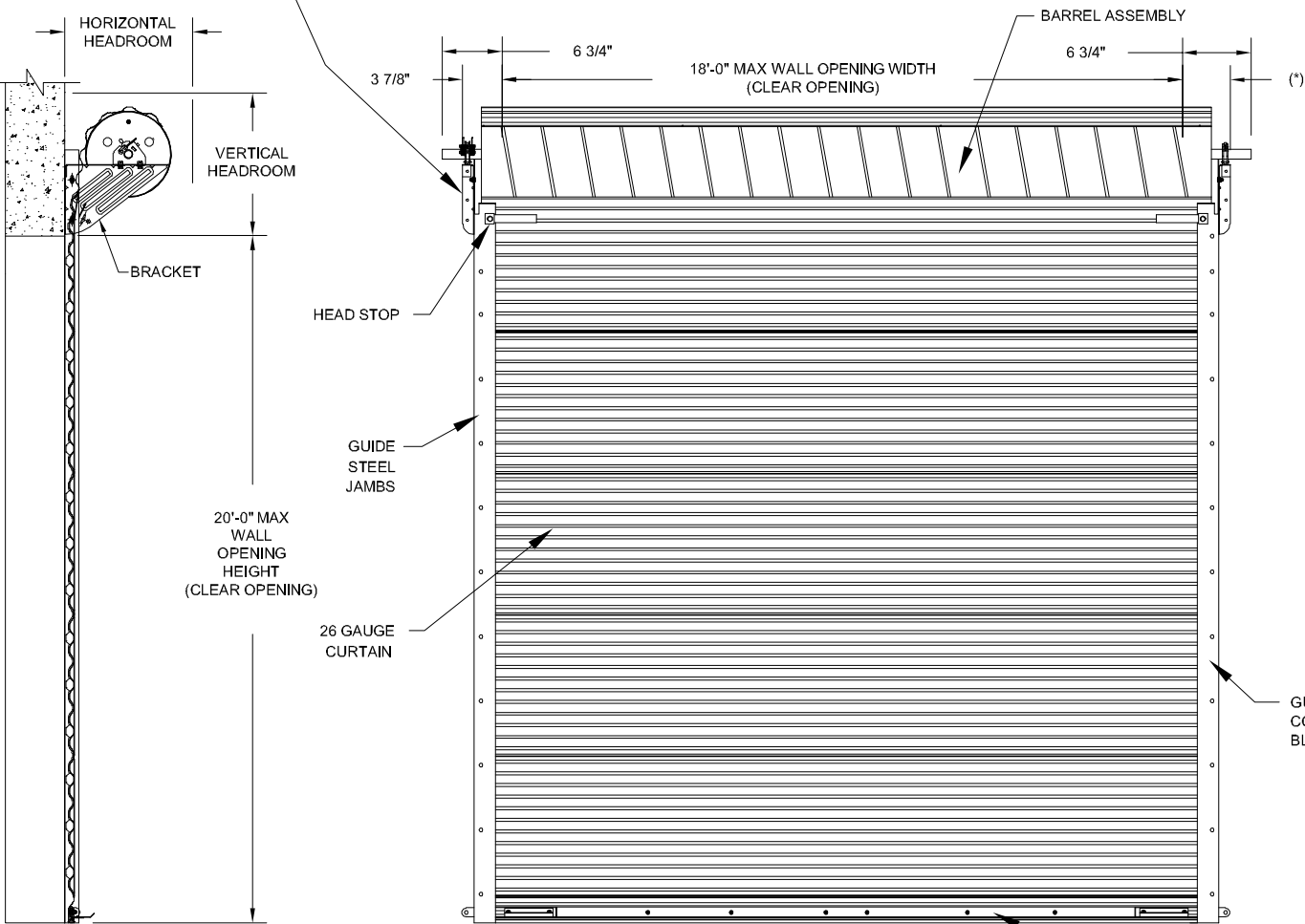


BRACKET ATTACHMENT

CONCRETE/FILLED BLOCK: DEWALT SCREW-BOLT+, 3/8 X 1 3/4" LONG  
STEEL: HEX BOLT, GR 5, 3/8-16 X 1 1/4" LONG OR 3/8-16 X 1" HWH  
TYPE 23 THREAD-CUTTING SCREW

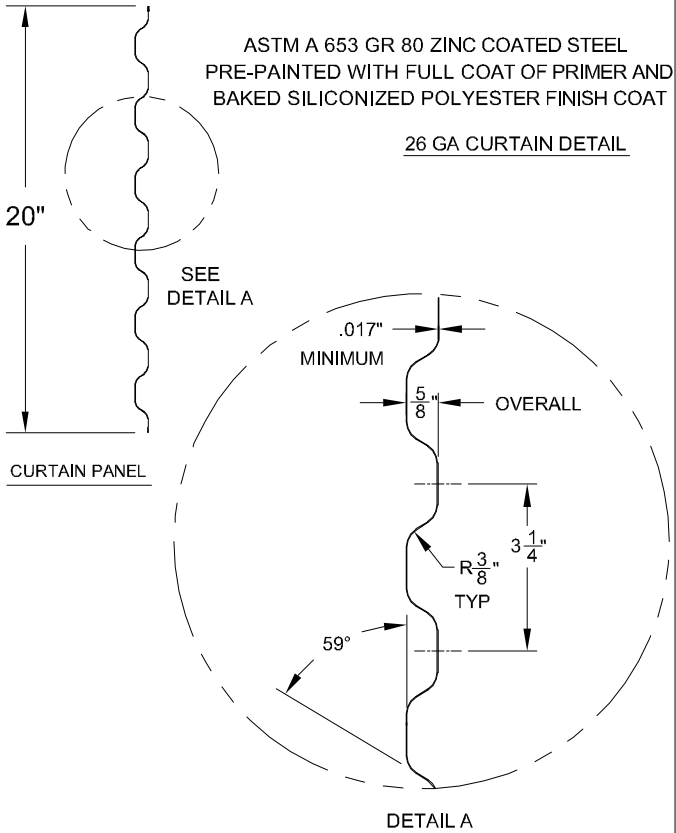
(\*) FOR PUSH-UP OPERATION: 3 7/8"  
FOR HAND CHAIN OPERATION: 4 5/8"  
FOR ELECTRIC OPERATION: 5 3/8"  
FOR OUTSIDE OF CHAIN DRIVE: 6 1/8"  
NOTE: RIGHT SIDE DRIVE SHOWN



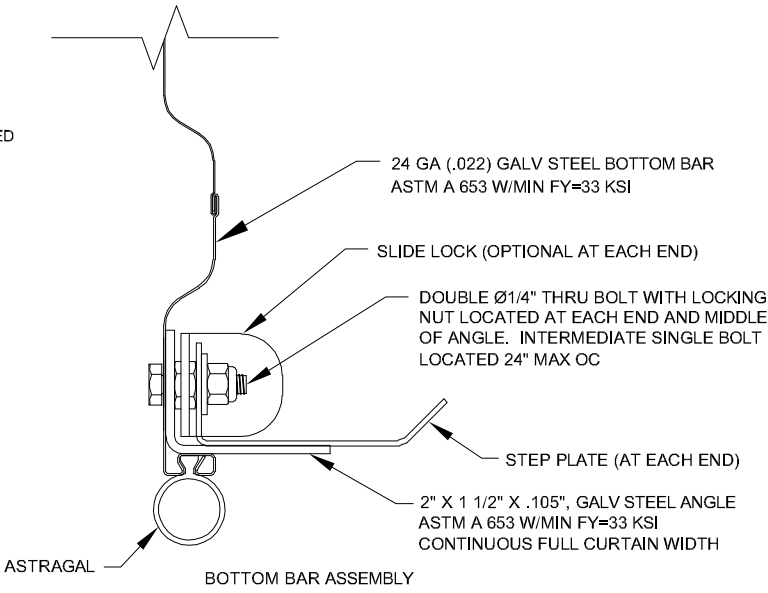
HEADROOM REQUIRED		
OPENING HEIGHT	VERTICAL HEADROOM	HORIZONTAL HEADROOM
THRU 8'-0"	17"	19"
OVER 8'-0" THRU 10'-0"	19"	21"
OVER 10'-0" THRU 14'-0"	20"	22"
OVER 14'-0" THRU 16'-0"	21"	23"
OVER 16'-0" THRU 18'-0"	22"	24"
OVER 18'-0" THRU 20'-0"	23"	25"

ALLOWABLE TRANSVERSE DESIGN WIND LOADS (PSF)			
MAX DOOR WIDTH	MAX DOOR HEIGHT	DESIGN LOAD POSITIVE (PSF)	DESIGN LOAD NEGATIVE (PSF)
6'-0"	20'-0"	71.2	79.1
7'-0"	20'-0"	61.2	68.0
8'-0"	20'-0"	53.6	59.6
9'-0"	20'-0"	47.8	53.1
10'-0"	20'-0"	43.0	47.8
11'-0"	20'-0"	39.2	43.5
12'-0"	20'-0"	36.0	40.0
13'-0"	20'-0"	30.6	34.0
14'-0"	20'-0"	26.6	29.5
15'-0"	20'-0"	23.4	26.0
16'-0"	20'-0"	20.9	23.2
17'-0"	20'-0"	18.8	20.9
18'-0"	20'-0"	16.9	18.8

REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
—	DRAWING RELEASE	1-31-03	DM
A	ADDED "T" BRACKET OPTION	01-23-12	CS
B	FASTENER CHANGE, 14 GA & 12 GA JAMBS ADDED	06-08-18	CS



GUIDE CONCRETE/FILLED BLOCK JAMBS



John E. Scates, P.E.  
2560 King Arthur Blvd,  
Ste 124  
Lewisville, TX 75056  
FL PE 51737

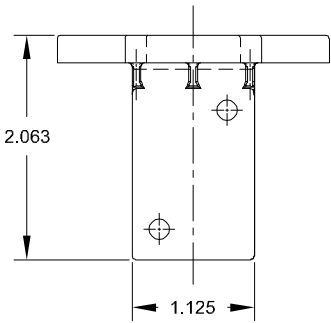
Professional Engineer's seal provided only for  
verificaion of windload construction details.

SIDE VIEW

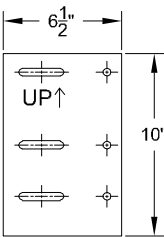
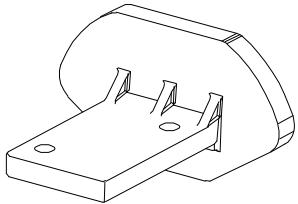
COMMERCIAL WINDLOCK

INSIDE ELEVATION

BOTTOM BAR ASSEMBLY



MATERIAL:  
BLACK NYLON  
TYPE 6/6



SMALL MOUNTING PLATE

INSTALL ON BOTH JAMBS FOR  
BRACKET ATTACHMENT TO STEEL  
JAMBS OF METAL BUILDINGS

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:

DECIMAL	FRACTIONS	ANGLES	HOLE DIAMETERS
.XX ±.03	± 1/16"	± 1°	UNDER .251 +.004 -.003
.XXX ±.005			.251 to .500 +.006 -.003
			OVER .500 +.008 -.003

PART NUMBER:	NA
MATERIAL:	NA
APPLIED FINISH:	NA
UNIT OF MEASURE:	NA
APPROVALS	DATE
DRAWN: BECKY NELSON	2-1-11
CHECKED: DON MILLS	2-21-11
APPROVED: DON MILLS	2-21-11

**JANUS INTERNATIONAL GROUP, LLC.**

135 JANUS INTERNATIONAL BLVD TEMPLE, GA 30179

770-562-2850/Fax 770-562-2264

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CERTIFIED WIND LOAD RATED  
26 GA SERIES 3652 DOOR ASSEMBLY  
MAX SIZE 18'-0" X 20'-0"

SIZE <b>B</b>	DRAWING NUMBER: <b>T1014</b>	REV: <b>B</b>
SCALE: NONE	SHEET: 1	OF: 2

SEE SHEET 2 FOR NOTES

SIZE <b>B</b>	DRAWING NUMBER: <b>T1014</b>		REV: <b>B</b>
SCALE:	<b>NONE</b>		SHEET: <b>2</b> OF: <b>2</b>

**John E. Scates, Professional Engineer**

office (972) 492-9500 | fax (972) 492-0077

---

June 18, 2018

Janus International  
135 Janus International Blvd  
Temple, GA 30179

Re: Janus Series 3652 Rolling Doors

To Whom It May Concern:

At the request of Janus International, I have reviewed the drawings and tests listed below. This product was tested per ANSI/DASMA 108 and ASTM E330 procedures. The pressure listed on the drawings are the direct result of testing or conservative rational analysis from the actual tests. I have concluded that the construction shown on these drawings comply with the structural requirements of the 6<sup>th</sup> Edition (2017) Florida Building Code. I certify that I meet the requirements of "independence" as detailed in Florida Statutes.

## Drawings

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T1014-RevB      Series 3652 Door Assembly up to 18'-0" wide.

## Test Report

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### Test Reports

<u>Drawing</u>	<u>Certified Testing Lab Report</u>	<u>Test Date</u>
T1014-RevB	CTLA 2058W	02-17-2011

### Test Facility

The test facility was located at:

CTL  
7252 Narcoossee Rd.  
Orlando, FL 32822

This was an accredited independent laboratory at the time of testing.

The test report was signed by a Florida PE.

Static pressure testing was conducted in accordance with ANSI/DASMA 108-05 and ASTM E330-02. The testing also complied with the requirements of ANSI/DASMA 108-2012 and 108-2017. All of these standards are equivalent test procedures to meet the requirements of the FBC for garage doors.

## Calculations

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The tested door was 12'-0" width and achieved +36.0/-40.0 psf design. One jamb was 3/16" thick steel while the other was filled CMU block.

The tested design load was extended to other widths using comparative rational analysis. The loads applied to the jambs by the door via direct pressure and end-tension catenary forces were computed using industry standard methods. Results for a variety of width are tabulated on sheet 1 of the drawing. In addition, the computed jamb loads are shown as "Vx" and "Vy" on sheet 2 of the drawing.

The guide fastener spacing for additional steel jamb thicknesses were computed using data from ICC-ES ESR-1976 and ESR-3223 (ITW TEKS screws).

## Installation

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### **Anchorage Requirements:**

The door drawing includes means to attach the door to the 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 Series 3652 Rolling Doors by Janus International.

All doors consist of a corrugated steel sheet curtain suspended from a drum roller. The curtain 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. The wind forces are transferred from the curtain to the guides and then through the attachment elements to the door jamb.

### Series 3652

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.

Two black Nylon windlocks are attached to the curtain at every other corrugation. The windlock were secured with two 3/16" diameter zinc plated steel blind rivets.

## Limitations

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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 18 feet.  
The maximum door height for is 20'-0" nominal.

Doors narrower than tabulated width are allowed, but carry the same psf as the next greater width in the table.

*The user of this product is reminded that rolling 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.*

This product is not for use in the Florida High Velocity Hurricane Zone (HVHZ).

┌

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

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The digitally-signed file is the original. Printed copies are not originals (just as copies of paper-signed documents are not originals).