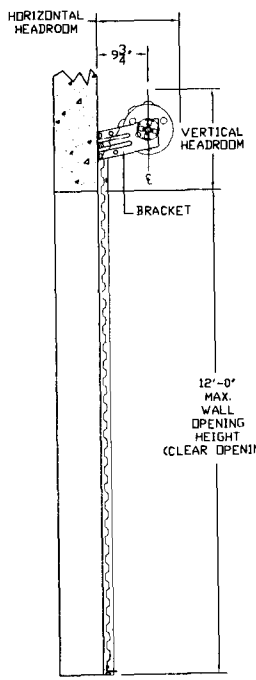
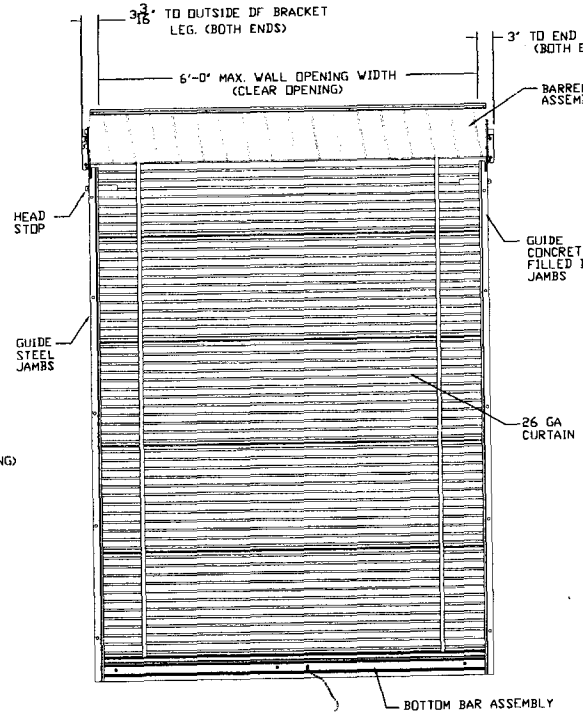
STATE OF TEXAS
JOSEPH H. DIXON, JR.
18627
LICENSED
PROFESSIONAL ENGINEER
12/4/12

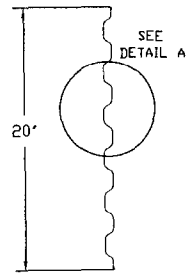
REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL
—	DRAWING RELEASE	11-14-02	DM
A	NOTE REVISIONS	4-16-04	DM
B	NOTE REVISIONS	6-17-09	CS



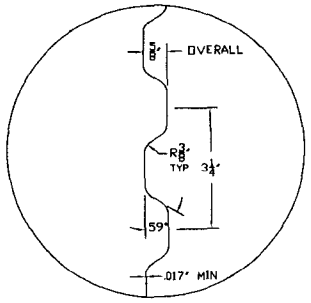
SIDE VIEW



INSIDE ELEVATION



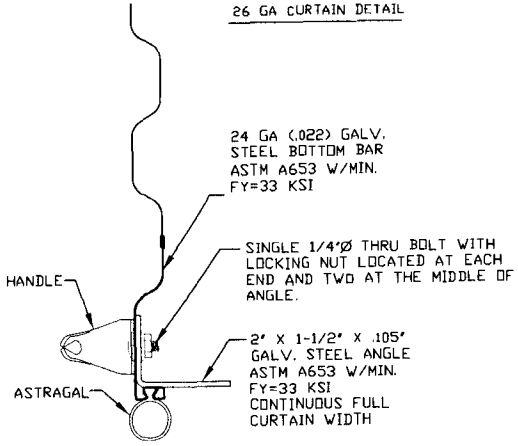
CURTAIN PANEL



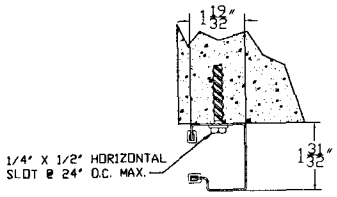
DETAIL A

ASTM A653 GR 80 ZINC COATED STEEL PRE-PAINTED WITH FULL COAT OF PRIMER AND BAKED SILICONIZED POLYESTER FINISH COAT

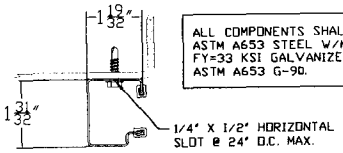
26 GA CURTAIN DETAIL



BOTTOM BAR ASSEMBLY



CONCRETE/FILLED BLOCK JAMBS
USING 1/4" X 1-3/4" POWERS WEDGE-BOLT



STEEL JAMBS
USING 1/4-14 X 1" TEKS

ALL COMPONENTS SHALL BE ASTM A653 STEEL W/MIN FY=33 KSI GALVANIZED PER ASTM A653 G-90.

18 GA (.046) GUIDE MOUNTING DETAIL

HEADROOM REQUIRED

OPENING HEIGHT	VERTICAL HEADROOM	HORIZONTAL HEADROOM
THRU 7'-4"	15-1/2"	17-1/2"
OVER 7'-4" THRU 8'-8"	16"	18"
OVER 8'-8" THRU 10'-0"	17"	18-1/4"

SEE SHEET 2 FOR NOTES

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:

DECIMAL		FRACTIONS	ANGLES	HOLE DIAMETERS	
.XX	±.03	± 1/16	± 0° 30'	UNDER .251	+.004 -.003
.XXX	±.005			.251 to .500	+.006 -.003
				OVER .500	+.008 -.003

PART NUMBER:
MATERIAL:
APPLIED FINISH:
UNIT OF MEASURE:

APPROVALS	DATE
DRAWN: BECKY NELSON	11-14-02
CHECKED: DON MILLS	11-14-02
APPROVED: DON MILLS	11-14-02

JANUS INTERNATIONAL CORPORATION
134 JANUS INTERNATIONAL BLVD TEMPLE, GA 30179
770-562-2850/Fax 770-562-2264
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CERTIFIED WIND LOAD RATED
26 GA SERIES 750 DOOR ASSEMBLY
MAX. SIZE 6'-0" X 12'-0"

SIZE: B | DRAWING NUMBER: T1001 | REV: B
SCALE: NONE | SHEET: 1 OF: 2

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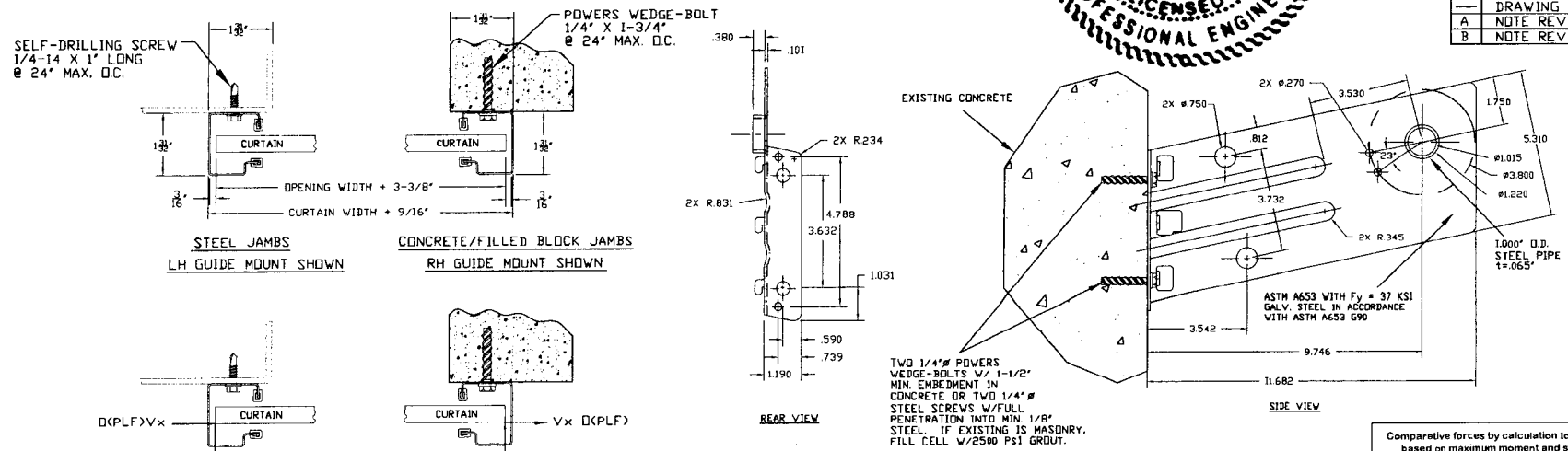

SUPERIMPOSED LOAD DIAGRAM

GENERAL NOTES

1. THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.
2. THIS ROLL-UP DOOR HAS BEEN TESTED IN ACCORDANCE WITH ASTM E-330 AND COMPLIES WITH ANSI/DASMA 108.

   DESIGN LOAD $=^{+19.9}_{-24.4}$ PSF

3. WIND LOADS FOR BUILDING OPENINGS SHALL BE DETERMINED BY A PROFESSIONAL ENGINEER USING APPROPRIATE WIND SPEED AND DESIGN CRITERIA. THIS DOOR MAY BE USED WHERE THE DESIGN LOAD MEETS OR EXCEEDS THE DESIGN LOAD FOR THE BUILDING OPENING.
4. SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNED AS Vx AND Vy HEREIN. CONTRACTORS SHALL HAVE BUILDING ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS Vx, Vy AND BRACKET LOADS SHOWN.
5. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70.
6. DOORS SHALL BE PROVIDED WITH LOCK MECHANISMS AT THE OPTION OF THE OWNER.
7. ALL BOLTS AND WASHERS SHALL BE GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI.
8. DESIGN BASED ON CERTIFIED TESTING LABORATORIES, INC., TEST REPORT NO. CTLA-983W-1
9. ANCHOR NOTES:
   A. EMBEDMENT LENGTH DOES NOT INCLUDE STUCCO FINISH.
   B. FOR HOLLOW MASONRY, FILL ALL CELLS @ ANCHOR WITH 2500 PSI GROUT.
   C. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
10. DOOR OPERATION TYPE TO BE PUSH-UP.
11. GUIDE TO JAMB ATTACHMENT FASTENERS BEGIN 4" FROM FLOOR AND END 3-1/2" BELOW TOP OF WALL OPENING.
12. TEST DOOR WALL OPENING SIZE: 6'-0" x 8'-0".

Comparative forces by calculation to determine maximum design pressure based on maximum moment and shear developed by test, 6' X 8' door

	Design Windload		Positive Wind Design		Negative Wind Design	
	Pos psf	Neg psf	Moment in-lb/ft	Shear lb/ft	Moment in-lb/ft	Shear lb/ft
Test Door 6' x 8'	19.9	24.4				
Calibration calculations for test door			1089.6	60.1	1336.0	73.7
Max Door Size (Width x Height)						
3'-4" x 12'	35.6	43.7	608.7	60.1	746.3	73.7
3'-6" x 12'	33.9	41.6	638.7	60.1	783.2	73.7
3'-8" x 12'	32.4	39.8	668.8	60.1	820.0	73.7
4'-0" x 12'	29.7	36.5	728.9	60.1	893.7	73.7
5'-0" x 12'	23.8	29.2	909.2	60.1	1114.8	73.7
5'-6" x 12'	21.7	26.6	999.4	60.1	1225.4	73.7
6'-0" x 12'	19.9	24.4	1089.6	60.1	1336.0	73.7

Design wind forces are calculated to produce moment and shear equal to or less than those developed in the test door. This indicates that the curtain, guides, and jamb anchorages will all be stressed to approximately the same or less than those in the test door, provided that the door is constructed the same for all opening widths.

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