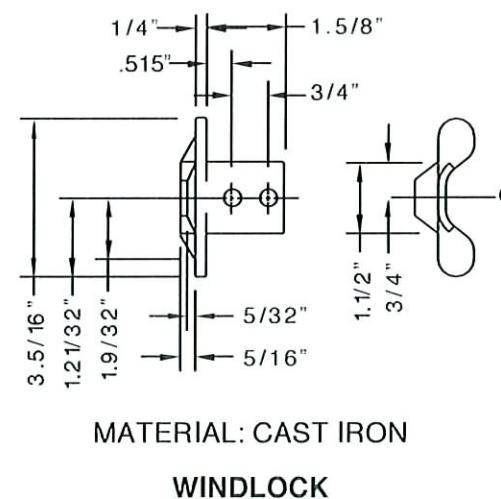
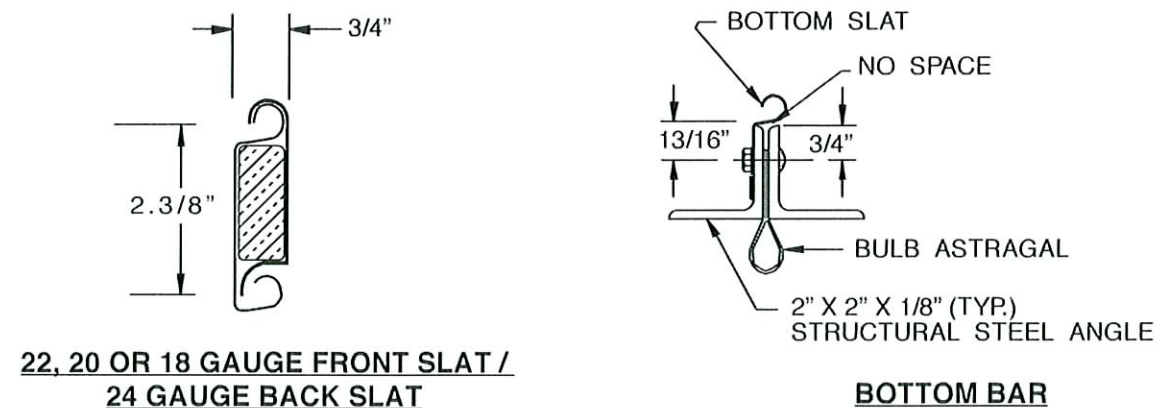
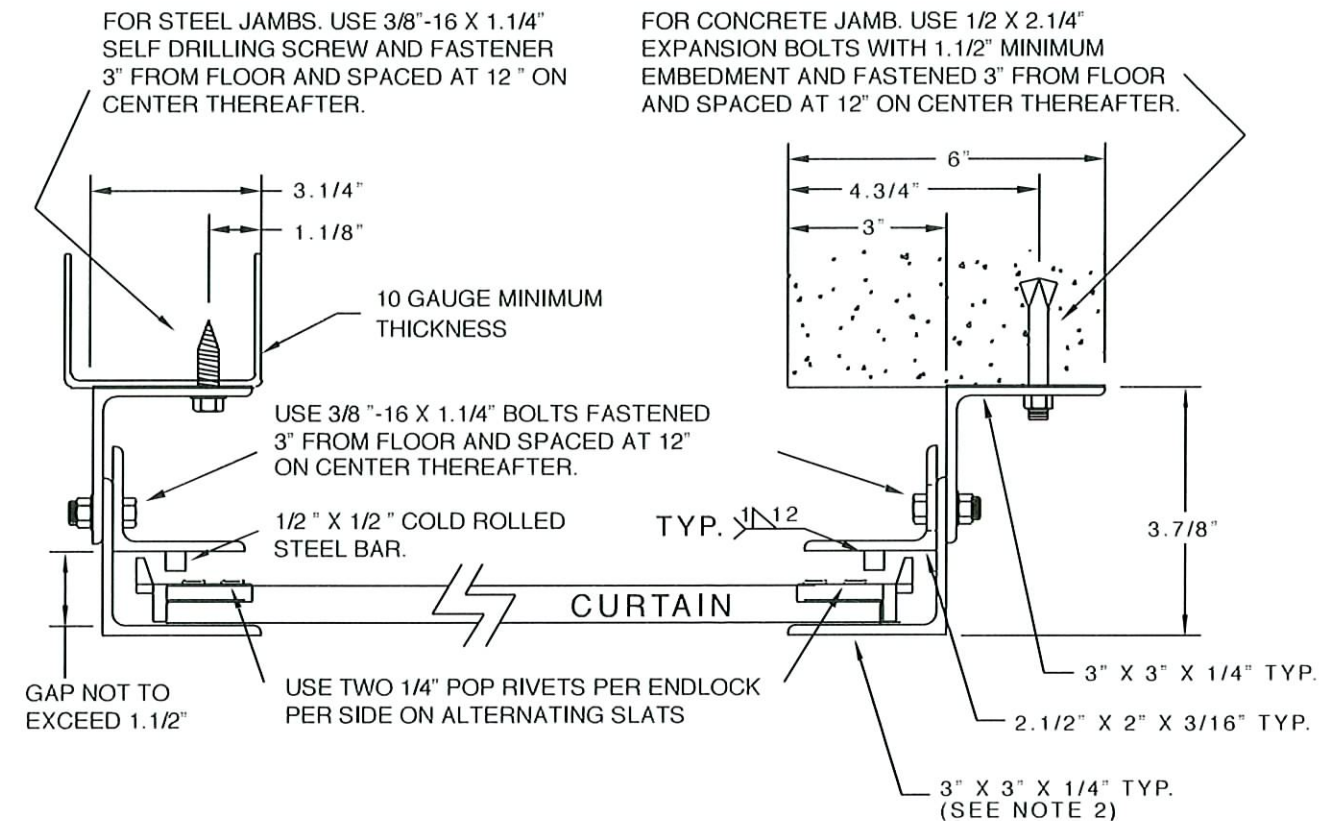
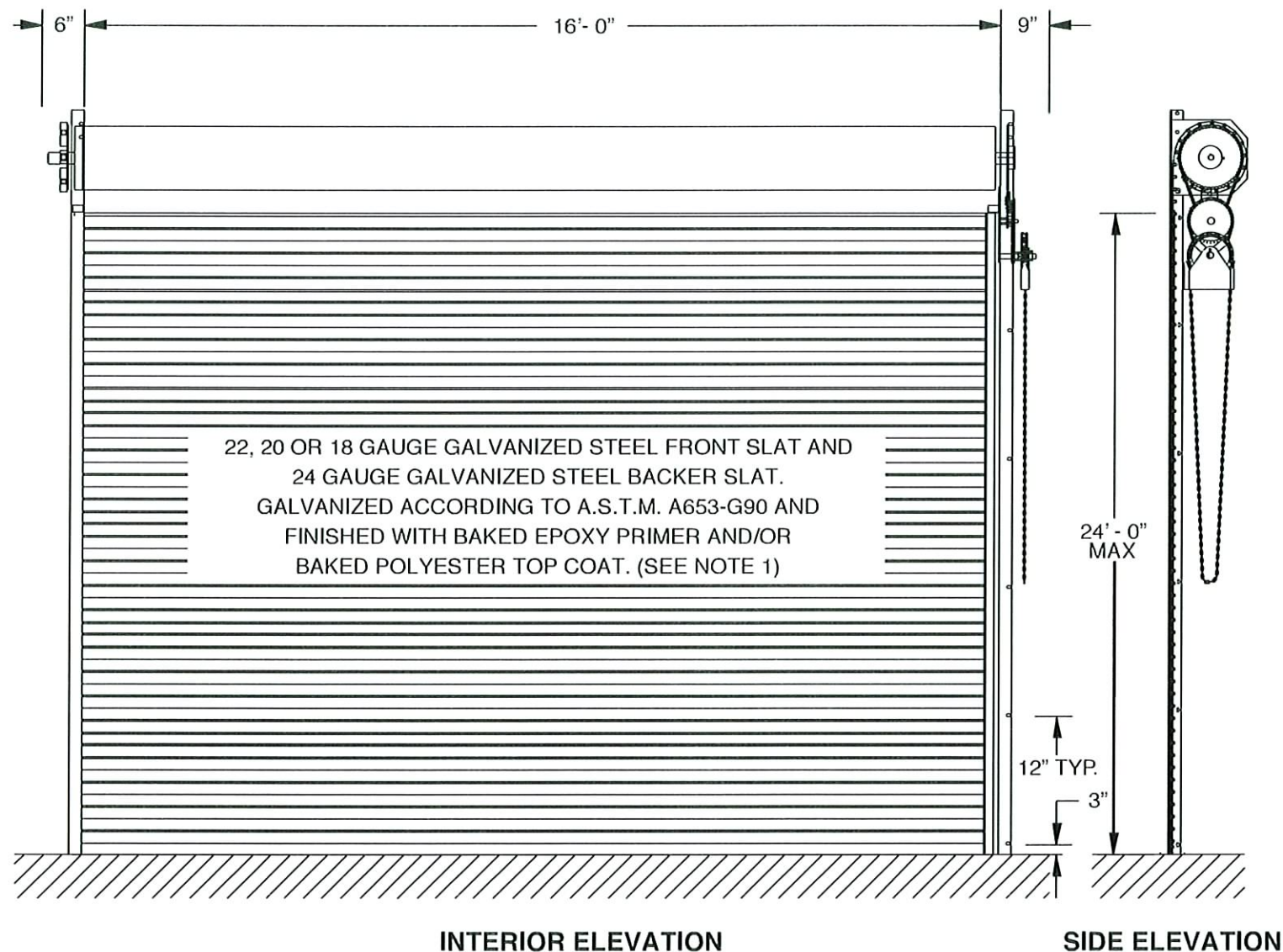




NOTES:

- STEEL USED FOR SLATS IS ASTM-A653 WITH A MINIMUM YIELD STRENGTH OF 50 KSI AND TENSILE STRENGTH OF 65 KSI. (GRADE 50)
- INSULATION TO BE 5/8" POLYSTYRENE FOAM. EFFECTIVE INSULATING VALUE R = 5.0.
- GUIDES COMPOSED OF STRUCTURAL STEEL ANGLES. (.1875" MIN. THICKNESS)

 4255 McEver Industrial Drive Acworth, GA 30101 Phone: (770) 974-2600 / Fax: (770) 974-1455 Web Site: www.astadoor.com		
600 Series Insulated Rolling Steel Service Door		
TEST SIZE 16'0" WIDE x 8'0" HIGH	DESIGN PRESSURE ±50.0	TEST PRESSURE ±75.0
MAXIMUM SIZE 24'0" WIDE x 24'0" HIGH		
MODELS 622 - 22 GAUGE 620 - 20 GAUGE 618 - 18 GAUGE		TEST LOCATION CERTIFIED TESTING LABORATORIES 7252 NARCOOSEE ROAD ORLANDO, FL 32822
REFERENCE CTL TEST REPORT #1253W-1 EVALUATION REPORT #ER-07-0005		
DO NOT SCALE DRAWING	DRAWING #607-6-600	SHEET 1 OF 2



TOLERANCES
FRACTION = ± 1/32

.X = ± .032
.XX = ± .015
.XXX = ± .005 ± 5

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ISSUE: 5-15-07

622 INSULATED SLAT DOOR
22 GAUGE

	Width	Design Windload		Door	
	ft	Pos psf	Neg psf	Model	gage in
16 x 8 Test Door	16	50.0	50.0	622	.029 / .022
Calibration calculations for test door					
Comparative forces by calculation to determine maximum design pressure					
Max Door Size					
8 x 24	8	178.9	178.9	622	.029 / .022
9 x 24	9	141.1	141.1	622	.029 / .022
10 x 24	10	115.1	115.1	622	.029 / .022
11 x 24	11	96.3	96.3	622	.029 / .022
12 x 24	12	82.2	82.2	622	.029 / .022
13 x 24	13	71.4	71.4	622	.029 / .022
14 x 24	14	62.7	62.7	622	.029 / .022
15 x 24	15	55.7	55.7	622	.029 / .022
16 x 24	16	50.0	50.0	622	.029 / .022
17 x 24	17	45.2	45.2	622	.029 / .022
18 x 24	18	41.2	41.2	622	.029 / .022
19 x 24	19	37.7	37.7	622	.029 / .022
20 x 24	20	34.7	34.7	622	.029 / .022
21 x 24	21	32.1	32.1	622	.029 / .022
22 x 24	22	29.8	29.8	622	.029 / .022
23 x 24	23	27.7	27.7	622	.029 / .022
24 x 24	24	25.9	25.9	622	.029 / .022

620 INSULATED SLAT DOOR
20 GAUGE

	Width	Design Windload		Door	
	ft	Pos psf	Neg psf	Model	gage in
16 x 8 Test Door	16	50.0	50.0	622	.029 / .022
Adjusted	16	50.8	50.8	620	.036 / .022
Calibration calculations for adjusted test door					
Comparative forces by calculation to determine maximum design pressure					
Max Door Size					
8 x 24	8	187.7	187.7	620	.036 / .022
9 x 24	9	147.0	147.0	620	.036 / .022
10 x 24	10	119.2	119.2	620	.036 / .022
11 x 24	11	99.2	99.2	620	.036 / .022
12 x 24	12	84.4	84.4	620	.036 / .022
13 x 24	13	73.0	73.0	620	.036 / .022
14 x 24	14	64.0	64.0	620	.036 / .022
15 x 24	15	56.7	56.7	620	.036 / .022
16 x 24	16	50.8	50.8	620	.036 / .022
17 x 24	17	45.9	45.9	620	.036 / .022
18 x 24	18	41.7	41.7	620	.036 / .022
19 x 24	19	38.1	38.1	620	.036 / .022
20 x 24	20	35.0	35.0	620	.036 / .022
21 x 24	21	32.4	32.4	620	.036 / .022
22 x 24	22	30.0	30.0	620	.036 / .022
23 x 24	23	28.0	28.0	620	.036 / .022
24 x 24	24	26.1	26.1	620	.036 / .022

618 INSULATED SLAT DOOR
18 GAUGE

	Width	Design Windload		Door	
	ft	Pos psf	Neg psf	Model	gage in
16 x 8 Test Door	16	50.0	50.0	622	.029 / .022
Adjusted	16	51.8	51.8	618	.045 / .022
Calibration calculations for adjusted test door					
Comparative forces by calculation to determine maximum design pressure					
Max Door Size					
8 x 24	8	198.8	198.8	618	.045 / .022
9 x 24	9	154.3	154.3	618	.045 / .022
10 x 24	10	124.3	124.3	618	.045 / .022
11 x 24	11	102.9	102.9	618	.045 / .022
12 x 24	12	87.1	87.1	618	.045 / .022
13 x 24	13	75.0	75.0	618	.045 / .022
14 x 24	14	65.6	65.6	618	.045 / .022
15 x 24	15	58.0	58.0	618	.045 / .022
16 x 24	16	51.8	51.8	618	.045 / .022
17 x 24	17	46.7	46.7	618	.045 / .022
18 x 24	18	42.4	42.4	618	.045 / .022
19 x 24	19	38.7	38.7	618	.045 / .022
20 x 24	20	35.5	35.5	618	.045 / .022
21 x 24	21	32.8	32.8	618	.045 / .022
22 x 24	22	30.4	30.4	618	.045 / .022
23 x 24	23	28.2	28.2	618	.045 / .022
24 x 24	24	26.4	26.4	618	.045 / .022

GENERIC NOTES:
SUMMARY OF CATENARY FORCES FOR ALTERNATIVE DOORS
COMPARED TO CERTIFIED TESTING LABORATORIES REPORT NO.: CTLA-1253W-1, DATED 8/08/04
ROLLING STEEL INSULATED SLAT DOOR, DOUBLE SLATS
TEST DOOR: 16' WIDE X 8' HIGH, DESIGN WINDLOAD +/- 50.0 PSF
STATIC AIR PRESSURE TEST CONDUCTED IN ACCORDANCE WITH ASTM E330-02

DESIGN WIND FORCES ARE CALCULATED TO PRODUCE CATENARY FORCES AT THE GUIDES EQUAL TO OR LESS THAN THOSE CALCULATED FOR THE TEST DOOR.

THIS INDICATES THAT THE CURTAIN, WINDLOCKS, WINDLOCK CONNECTIONS, GUIDE ANGLES, AND JAMB ANCHORAGES WILL ALL BE STRESSED TO APPROXIMATELY THE SAME AS THOSE IN THE TEST DOOR, PROVIDED THAT THE DOOR IS CONSTRUCTED THE SAME FOR ALL OPENING WIDTHS.



SCALE: 1/8" = 1'-0"

TOLERANCES
FRACTION = ± 1/32

.X = ± .032
.XX = ± .015
.XXX = ± .005 ± ± 5

DRAWN BY: JCF
ISSUE: 5-15-07



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**600 Series Insulated
Rolling Steel Service Door**

TEST SIZE	DESIGN PRESSURE	TEST PRESSURE
16'0" WIDE x 8'0" HIGH	±50.0	±75.0

MAXIMUM SIZE 24'0" WIDE x 24'0" HIGH

MODELS	TEST LOCATION
622 - 22 GAUGE 620 - 20 GAUGE 618 - 18 GAUGE	CERTIFIED TESTING LABORATORIES 7252 NARCOOSEE ROAD ORLANDO, FL 32822

REFERENCE
CTL TEST REPORT #1253W-1
EVALUATION REPORT #ER-07-0005