



**MIAMI-DADE**  
**BUILDING CODE COMPLIANCE OFFICE (BCCO)**  
**PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA**  
**METRO-DADE FLAGLER BUILDING**  
**140 WEST FLAGLER STREET, SUITE 1603**  
**MIAMI, FLORIDA 33130-1563**  
**(305) 375-2901 FAX (305) 375-2908**

**NOTICE OF ACCEPTANCE (NOA)**

**Overhead Door Corporation.**  
**2501 South State Hwy 121, Suite 200**  
**Lewisville, TX 75067**

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone.

**DESCRIPTION: 22' Wide Rolling Steel Door**

**APPROVAL DOCUMENT:** Drawing No. D-308133, titled "Series 610/620 Rolling Service Door 22 FT. Dade County", sheets 1 through 3 of 3, prepared by Overhead Door Corporation, signed sealed by L. G. Krupke, P.E., dated 9/5/3 & 8/8/3 with last revision on 06/30/06, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large and Small Missile Impact**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This revises NOA # 03-1015.02 consists of this page 1, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font, PE.**

*[Handwritten Signature]*  
 09/28/06



**NOA No 05-1003.22**  
**Expiration Date: September 16, 2009**  
**Approval Date: September 28, 2006**  
**Page 1**

**Overhead Door Corporation.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. D-308133, prepared by Overhead Door Corporation, titled Series 610/620 Rolling Service Door 22 FT. Dade County, dated 9/5/3 & 8/8/3, with last revision on 06/30/06, sheets 1 through 3 of 3, signed and sealed by L. G. Krupke, PE.

**B. TESTS**

1. Test report on Uniform Static Air Pressure per TAS 202, Large Missile Impact Test per TAS 201, Cyclic Wind Pressure Test per TAS 203 and Tensile Test per ASTM E8 on a "22' x 10" Steel Roll-Up Service Door", prepared by Architectural Testing, Inc., report No. ATI 01-43463.03, dated 09/10/03 revised on 07/15/04, signed and sealed by L. G. Krupke, PE.
2. Test report # 9100550287 on Salt Exposure Fog per ASTM B-117 on G30, G40 & G90 samples, prepared by Environmental Testing Laboratory dated 03/13/06 and signed by B. Richard.

**C. CALCULATIONS**

1. Calculations for Dade County Product Approval of 20 & 18 Gage Rolling Garage Door, prepared by Overhead Door Corporation on sheet 2 of 3, signed and sealed by L. G. Krupke, PE.

**D. QUALITY ASSURANCE**

1. Building code Compliance Office.

**E. STATEMENTS**

1. Code compliance and No interest letter prepared by Overhead Door Corporation on 10/03/03 signed and sealed by L. G. Krupke, PE and notarized by M. G. Bettes.

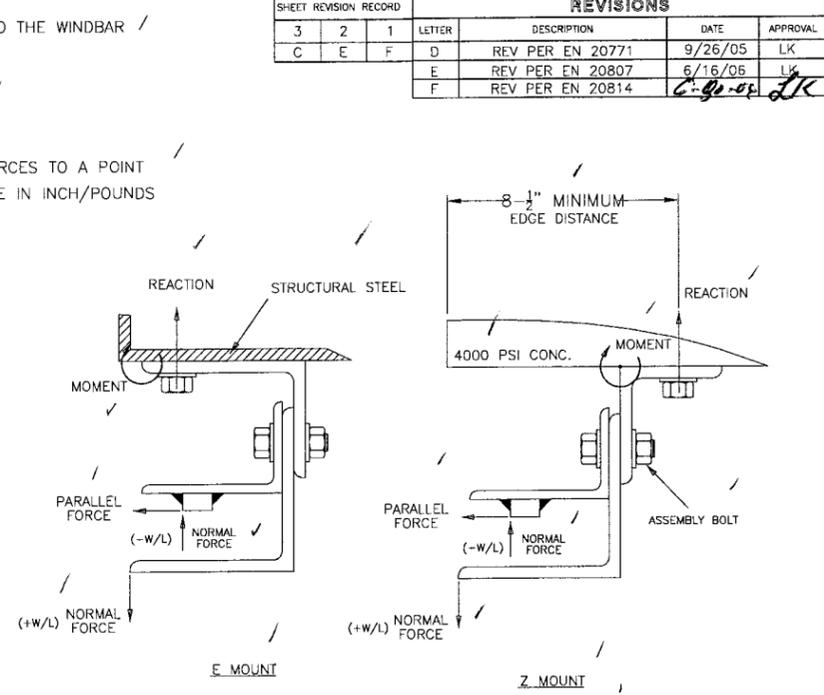
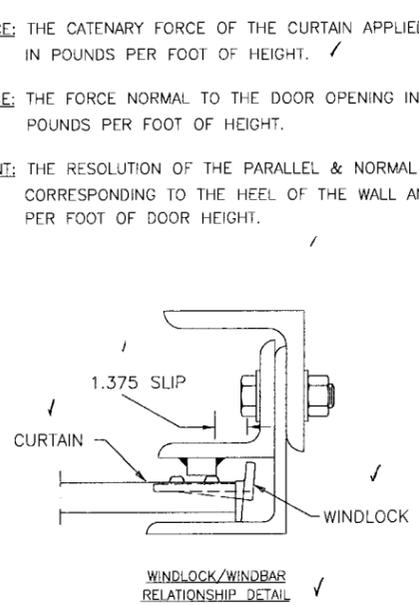
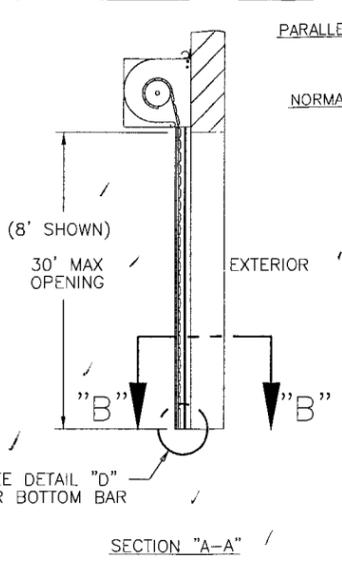
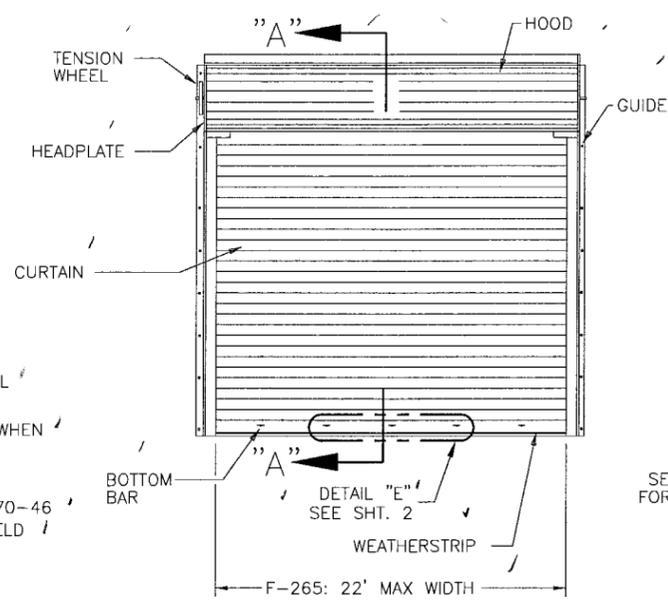
**F. MATERIAL CERTIFICATIONS**

N/A

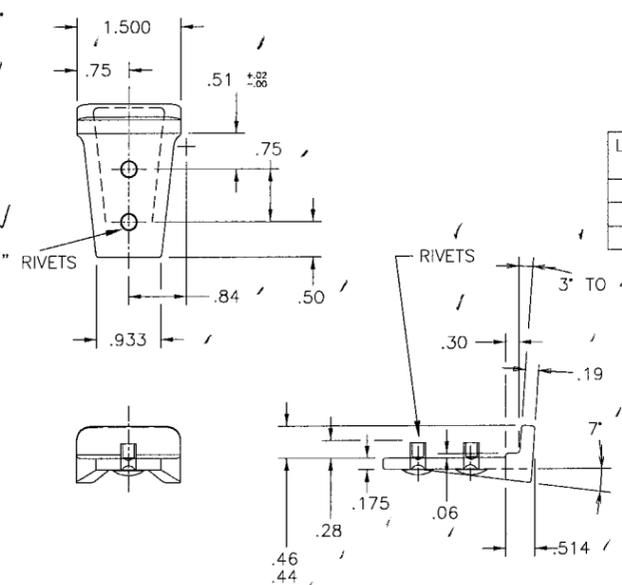
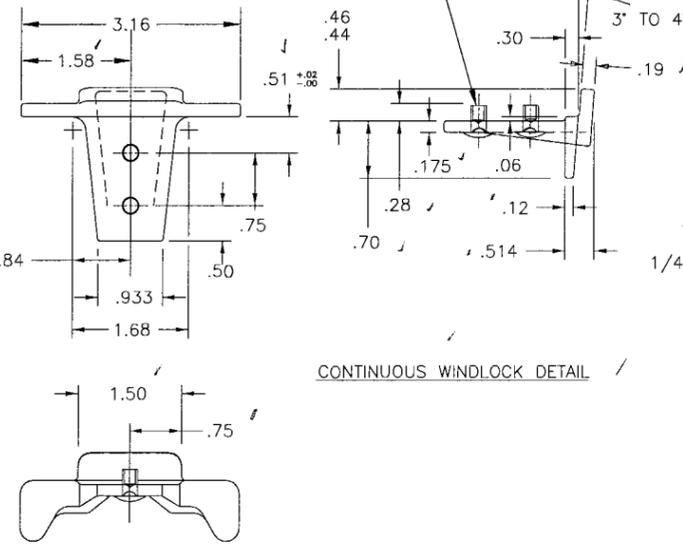
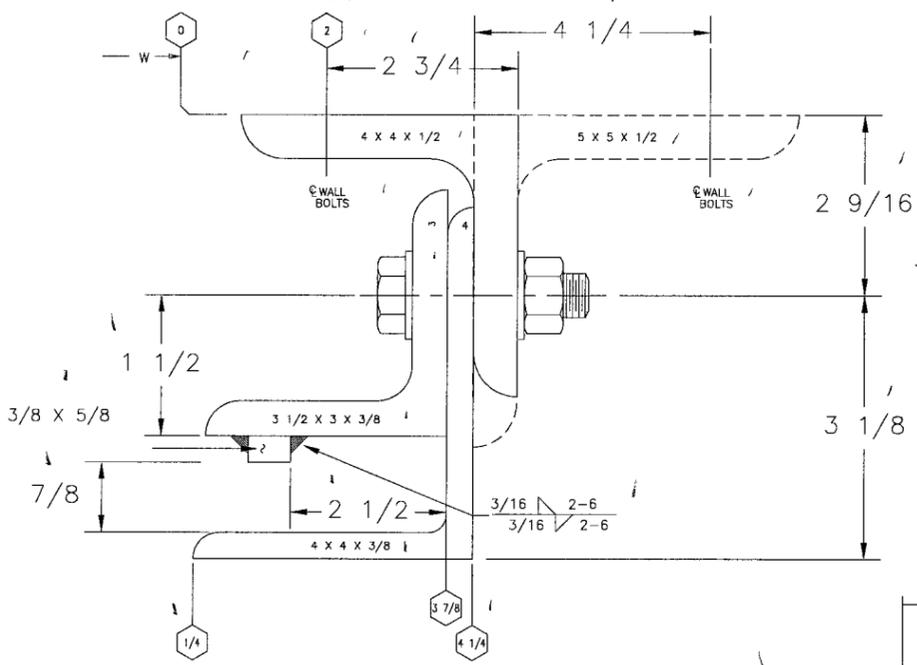
  
09/28/06  
Candido F. Font, PE  
Senior Product Control Examiner  
NOA No 05-1003.22  
Expiration Date: September 16, 2009  
Approval Date: September 28, 2006

**NOTES**

1. (-W/L) = NEGATIVE WINDLOAD  
(+W/L) = POSITIVE WINDLOAD
2. WALL ANGLES MAY BE WELDED TO STEEL JAMB. SEE SHEET 2 FOR WELDING DETAILS.
3. RATED DESIGN LOAD ±65 PSF.
4. CURTAIN MATERIAL: ASTM A-446 GRADE C  
GUIDE MATERIAL: ASTM A-36
5. ALTERNATE CURTAIN MATERIAL: AISI-304 SS.  
MINIMUM YIELD 40,000 PSI.
6. CURTAIN MATERIAL SHALL BE GALVANIZED ACCORDING TO ASTM A-525 TO G90 OR AN EQUIVALENT SURFACE COATING APPROVED AND TESTED AS REQUIRED BY THE OVERHEAD DOOR CHECK-LIST BY THE DADE COUNTY BUILDING CODE COMPLIANCE OFFICE.
7. THE DOOR MUST BE INSTALLED WITH THE TENSION WHEEL FACING THE INSIDE OF THE BUILDING.
8. PINS MUST BE ENGAGED AND CHAIN MUST BE HOOKED WHEN HURRICANE WINDS ARE ANNOUNCED.
9. WIND LOCKS ARE REQUIRED ON EACH SLAT
9. WINDLOCK MATERIAL: LOW CARBON CAST STEEL, GRADE 70-46 (485-250) PER ASTM A27. MIN TENSILE 70-KSI MIN YIELD 36-KSI. MIN ELONG 22%
10. WINDLOCKS ATTACHED TO EACH SLAT (CONTINUOUS)
11. RIVET SPECIFICATIONS:  
1/4" DIAMETER RIVET, ASTM 1012,  
MINIMUM TENSILE STRENGTH-48,318 PSI,  
MINIMUM YIELD STRENGTH-29,890 PSI



SHEET REVISION RECORD			REVISIONS		
LETTER	DESCRIPTION	DATE	APPROVAL	LETTER	DESCRIPTION
3	2	1		D	REV PER EN 20771
C	E	F		E	REV PER EN 20807
				F	REV PER EN 20814



F-265 - DOOR SIZE REF. SUMMARY

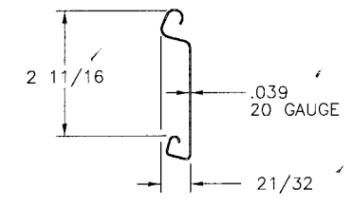
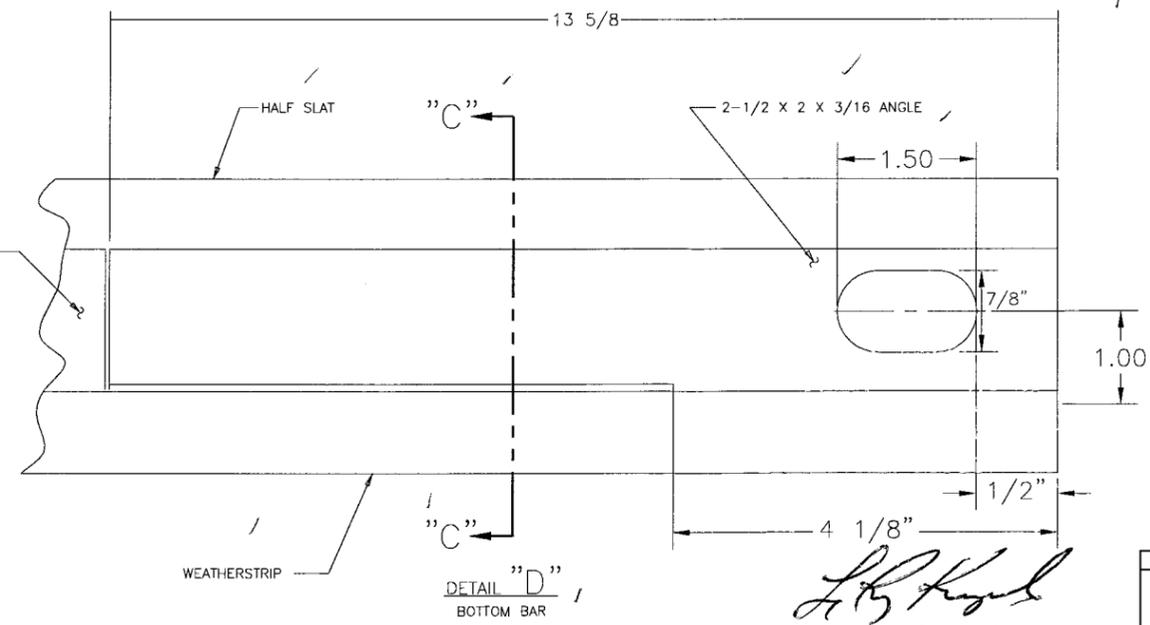
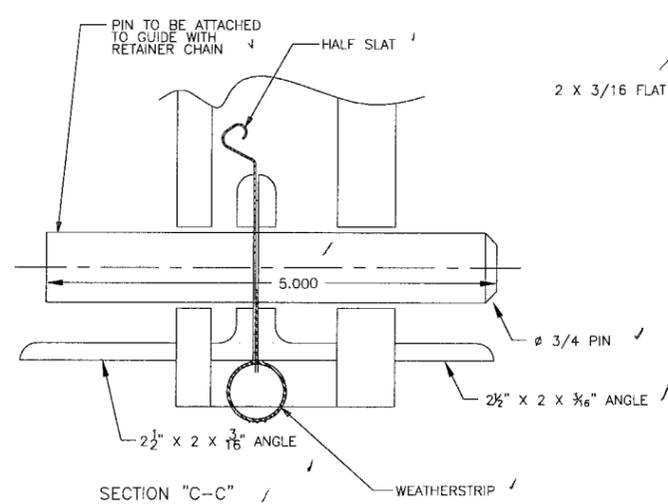
LBS/FT DOOR HEIGHT	(E-MOUNT) LOADS *		(Z-MOUNT) LOADS *	
	20 GA **	18 GA *	20 GA **	18 GA *
REACTION	9621	9454	3419	3369
NORMAL	715	715	715	715
PARALLEL	2710	2663	2710	2663

\* LOADS - PER FOOT OF HEIGHT

	ASSEMBLY BOLT	WALL BOLT STEEL JAMB	WALL ATTACHMENT CONCRETE JAMB
F-265	5/8" GRADE 5, 10" O.C.	5/8" GRADE 5, 12" O.C.	5/8", 5" EMB POWERS WEDGE BOLTS 8" O.C.

\* 4000 PSI MINIMUM & 8-1/2" MINIMUM EDGE DISTANCE FOR ANCHOR  
NOTE: FOR DETAILS ON WELDING GUIDES TO STEEL JAMBS SEE SHEET 2.

**\*\*PIN MUST BE ENGAGED FOR DOOR TO WITHSTAND DESIGN LOADS\*\***



F-265 SLAT  
GAUGE OPTIONS: 20 \*\*, 18  
\*\* TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS PA 201-94, PA 202-94, AND PA 203-94

SERIES 611/621 ARE EQUIVALENT CONSTRUCTION

05-1003 22  
04/16/09  
LeROY G. KRUPKE, P.E. #36580

OVERHEAD DOOR CORPORATION  
2501 SOUTH STATE HWY 121 BUSINESS  
LEWISVILLE, TX 75067  
LeROY G. KRUPKE, P.E. #36580

UNLESS OTHERWISE SPECIFIED		OVERHEAD DOOR		NAME		DATE		DRAWING TITLE:	
DIMENSIONS ARE IN INCHES-TOLERANCES ON DECIMAL DIMENSIONS	SOLE DIMETERS	THE ORIGINAL SINCE 1937	DALLAS, TEXAS	DRAWN BY:	G FINERAN	8/8/03	SERIES 610/620, ROLLING SERVICE DOOR 22 FT. DADE COUNTY	DRAWING NUMBER	D-308133
.XX ± .03	UNDER 251+.004-.003	MATERIAL:		CHECKED BY:	JD FAW	9/5/03		SCALE:	NONE
.XXX ± .005	251 TO 500+.008-.003	APPLIED FINISH:		APPROVED BY:	L KRUPKE	9/5/03		SHEET	1 OF 3
	OVER 500+.008-.003	UNIT OF MEASURE:	N/A						

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
C	REV PER EN 20685	8/17/04	LK
D	REV PER EN 20807	6/16/06	LK
E	REV PER EN 20814	6-30-06	LK

CALCULATIONS:

$Q = 65 \text{ PSF}$

$Q_T = \text{WINDLOAD HELD IN TENSION}$

$Q_T = Q - Q_b$

$Q_T = 65 - 3.42$

$Q_T = 61.78 \text{ PSF}$

$T_E = \frac{3Q_T W^2}{2D}$

$T_E = 2710 \text{ LB/FT.}$

$T_F = \text{THRUST LOAD ON GUIDES PER FOOT OF HEIGHT.}$

$T_F = \frac{Q \cdot W}{2}$

$T_F = 715 \text{ LB/FT.}$

$T_s = \text{TENSION/SLAT}$

$T_s = 2710/4.494$

$T_s = 603 \text{ LB/SLAT}$

$M_R = \text{MAXIMUM RESULTANT MOMENT APPLIED TO JAMB (Z-MOUNT)}$

$M_R = 2710(4.44) + 715(3.50)$

$M_R = 14535 \text{ IN} \cdot \text{LB}$

$M_R = \text{MAXIMUM RESULTANT MOMENT APPLIED TO JAMB (E-MOUNT)}$

$M_R = 2710(4.44)$

$M_R = 12032 \text{ IN} \cdot \text{LB}$

WINDLOCK FASTENERS

DESCRIPTION: SEMI-TUBULAR OVAL HEAD RIVET

MATERIAL: LOW CARBON STEEL, ZINC OR CADMIUM PLATED

SIZE: 1/4" X 7/16" LONG (.244" MIN. DIA.)

$A_R = \text{CROSS SECTIONAL AREA/RIVET}$

$A_R = \frac{\pi \cdot D^2}{4}$

$A_R = 0.047 \text{ IN}^2$

$S_s = \text{SHEAR STRESS ACROSS TWO END FASTENERS}$

$S_s = T_s / (2 \cdot A_R)$

$S_s = 603 / (2 \cdot 0.047)$

$S_s = 6414 \text{ PSI}$

WINDBAR WELDS

$A_w = \text{AREA OF WELD}$

$A_w = \text{LENGTH} \cdot \text{FILLET WIDTH}$

$A_w = (2)(0.1875)$

$A_w = 0.375 \text{ IN}^2$

$S_w = \text{SHEAR STRESS ACROSS WELD}$

$S_w = (3 \text{ IN})(1 \text{ FT}/12 \text{ IN})(2710 \text{ LB/FT}) / (0.375 \text{ IN}^2)$

$S_w = 1807 \text{ PSI}$

WALL ATTACHMENT BOLTS (MAXIMUM LOAD)

STEEL JAMB-POSITIVE WINDLOAD (E-MOUNT)

$R_b = \text{WALL ATTACHMENT BOLT REACTION}$

$R_b = 12032/1.25$

$R_b = 9625 \text{ LB.}$

CONCRETE JAMB-POSITIVE WINDLOAD (Z-MOUNT)

$R_b = [(7/12)(14535)]/4.25$

$R_b = 1995 \text{ LB.}$

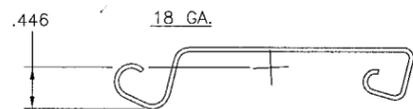
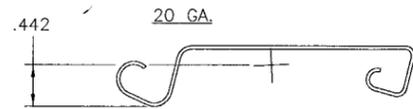
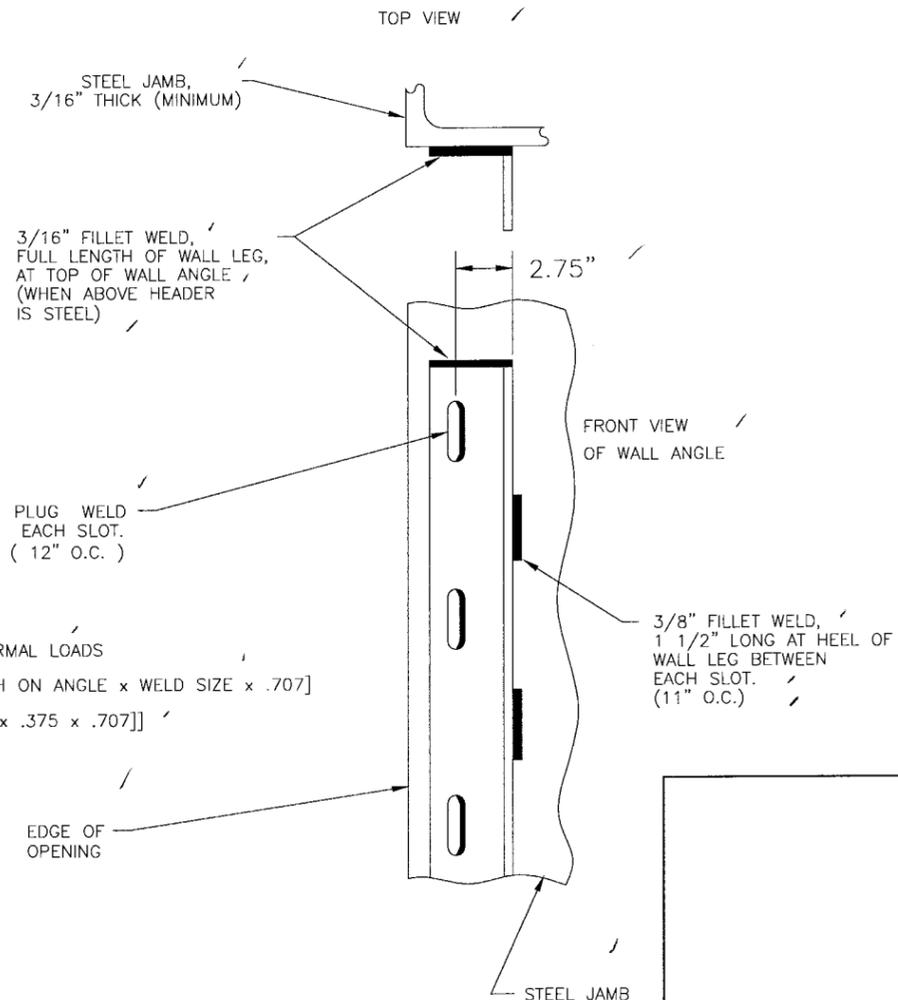
"S" = W + 7 3/4"

SLAT LG = W + 5 1/4"

PIPE LG = W + 3 1/4"

BOTTOM BAR LG = W + 5 1/4" (COPES = 4")

DETAILS FOR WELDING "E" GUIDES TO STEEL JAMBS



CURTAIN SLAT PITCH = 2.67 IN. OR 4.494 SLATS PER FOOT, PROPERTIES ON A PER FOOT BASIS:

	I(IN <sup>4</sup> )	A(IN <sup>2</sup> )	C(IN)
20 GA.	0.0377	0.8422	0.444
18 GA.	0.0494	1.0965	0.450

CALCULATIONS SHOWN FOR 20 GA. SLAT.

WINDLOCK SLIP DISTANCE = 1.375"/SIDE

W = DOOR WIDTH

$W = 22 \text{ FT.}$

D = CURTAIN DEFLECTION

$D = [0.75 (12) W (\text{WINDLOCK SLIP})]^{1/2}$

$D = [0.75 (12) (22) 1.375]^{1/2}$

$D = 16.5 \text{ IN.}$

$S_v = \text{YIELD STRESS OF SLAT MATERIAL}$

$S_v = 40,000 \text{ PSI}$

E = MODULUS OF ELASTICITY

$E = 29,000,000 \text{ PSI}$

$Q_b = \text{WINDLOAD HELD IN BENDING}$

$Q_b = \frac{2EID}{45W} \text{ OR } \frac{2S_v I}{3W^2 C} \text{ (LESSER VALUE)}$

$Q_b = \frac{2(29,000,000)(0.0377)(16.5)}{45(22)^2}$

$Q_b = 3.42$

$Q_b = \frac{2(40,000)(0.0377)}{3(22^2)(0.444)}$

$Q_b = 4.68$

WALL ATTACHMENT WELD

$A_w = \text{AREA OF WELD}$

$A_w = 2 \times 2 \times .375 \times .707$

$A_w = 1.06 \text{ IN}^2$

$S_w = \text{SHEAR STRESS ACROSS WELD}$

$S_w = 12/12 (2710)/1.06$

$S_w = 2556 \text{ PSI}$

$T_w = \text{TENSION STRESS FROM BENDING AND NORMAL LOADS}$

$T_w = T_f / A_w + M_R / [\text{WELD LENGTH} \times \text{WELD WIDTH ON ANGLE} \times \text{WELD SIZE} \times .707]$

$T_w = 12/12 [715/1.06 + 14535 / [2 \times 2.75 \times .375 \times .707]]$

$T_w = 10642 \text{ PSI}$

$R_w = \text{RESULTANT WELD STRESS}$

$R_w = [S_w^2 + T_w^2]^{1/2}$

$R_w = 10944 \text{ PSI}$

*L. Krupke*  
6-30-06

OVERHEAD DOOR CORPORATION  
2501 SOUTH STATE HWY 121 BUSINESS  
LEWISVILLE, TX 75067  
LeROY G. KRUPKE, P.E. #36580

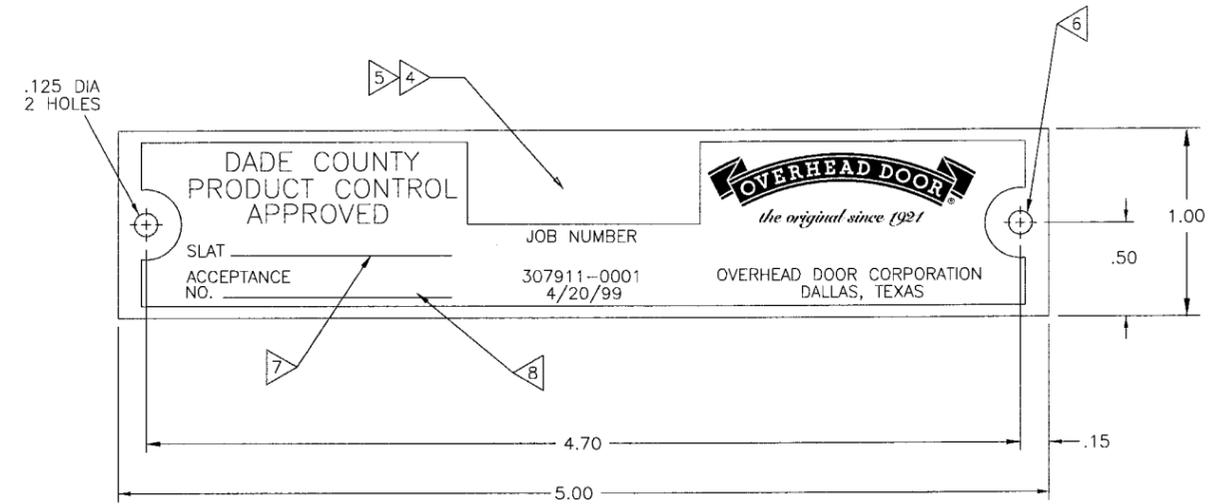
05-1003.22  
09/16/09

UNLESS OTHERWISE SPECIFIED			OVERHEAD DOOR CORPORATION		DALLAS, TEXAS	
DIMENSIONS ARE IN INCHES. TOLERANCES ON DECIMAL DIMENSIONS	HOLES	ANGLES	NAME	DATE	DRAWING TITLE	
.001" ± .003	UNDER .251" ± .004" - .003	± 1° 30'	G FINERAN	8/8/03	SERIES 610/620, ROLLING SERVICE DOOR	
.002" ± .005	.251 TO .500" ± .008" - .003	FRACTIONS	CHECKED BY: JD FAW	9/5/03	22 FT. DADE COUNTY	
	OVER .500" ± .008" - .003	1/16"	APPROVED BY: L. KRUPKE	9/5/03	DRAWING NUMBER: D-308133	
			APPLIED FINISH:	UNIT OF MEASURE: N/A	SCALE: NONE SHEET 2 OF 3	

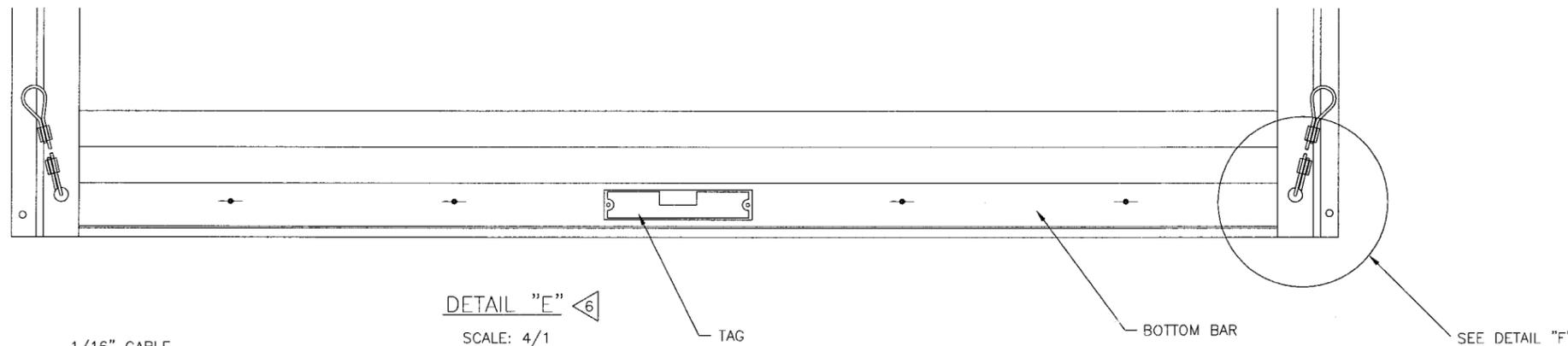
NOTES

1. MATERIAL: ALUMINUM 3003 H14 (0.03 THICK) WITH TRANSPARENT KELSTRIP COVERING.
2. COLOR: HANSCHY RED CS 2311.
3. SOURCE: OHD ADVERTISING AND MERCHANDISING  
1900 CROWN DRIVE  
FARMERS BRANCH, TX 75234
4. STAMP FACTORY ORDER NUMBER HERE.
5. A LETTER MUST BE STAMPED ON ROLLING FIRE DOORS TO IDENTIFY MANUFACTURING PLANT (I.E., USE "P" FOR PENNSYLVANIA).
6. FASTENER FOR TAG IS P/N 080276-1004(STEEL DRIVE SCREW). TAG WILL BE MOUNTED IN THE MIDDLE OF THE BOTTOM BAR.
7. STAMP SLAT TYPE HERE.
8. STAMP ACCEPTANCE NUMBER HERE.

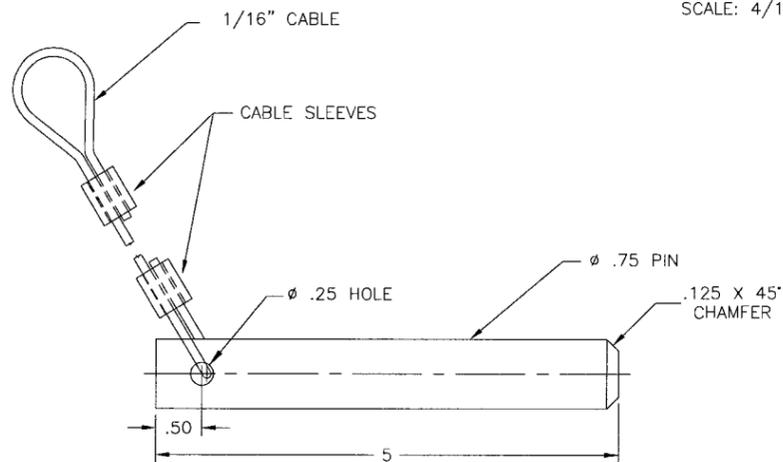
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LETTER	DESCRIPTION	DATE	APPROVAL
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C	REV PER EN 20814	6-30-06	LK



P/N 307911-0001 - DADE CO. APPROVAL TAG, ROLLING DOORS & GRILLES  
SCALE: 2/1



DETAIL "E" SCALE: 4/1



DETAIL "F"

*L. G. Krupke*  
6-30-06

OVERHEAD DOOR CORPORATION  
2501 SOUTH STATE HWY 121 BUSINESS  
LEWISVILLE, TX 75067

LeROY G. KRUPKE, P.E. #36580

05-1003.22  
09/16/09  
Product Control Division

UNLESS OTHERWISE SPECIFIED		OVERHEAD DOOR		DALLAS, TEXAS		NAME		DATE		DRAWING TITLE:	
DIMENSIONS ARE IN INCHES: TOLERANCES ON DECIMAL DIMENSIONS		the original since 1921		DALLAS, TEXAS		DRAWN BY: M WOMACK		10/10/03		SERIES 610/620, ROLLING SERVICE DOOR 22 FT. DADE COUNTY	
.XX ± .03		UNDER .251 ± .004 - .003		FRACTIONS ± 1/16"		MATERIAL: N/A		CHECKED BY: JD FAW		10/10/03	
.XXX ± .005		.251 TO .500 ± .008 - .003		OVER .500 ± .008 - .003		APPLIED FINISH: N/A		UNIT OF MEASURE: N/A		APPROVED BY: L KRUPKE	
								10/10/03		DRAWING NUMBER D = 308133	
										SCALE: NOTED SHEET 3 OF 3	