



PRODUCT CONTROL NOTICE OF ACCEPTANCE

**Overhead Door Corporation
1900 Crown Drive
Farmers Branch, TX 75234**

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

**CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558**

**CONTRACTOR ENFORCEMENT DIVISION
(305) 375-2966 FAX (305) 375-2908**

**PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339**

Your application for Notice of Acceptance (NOA) of:

610 / 620 Roll Up Door

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 01-0529.06
EXPIRES: 08/23/2006**

Raul Rodriguez
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL
CONDITIONS
BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director
Miami-Dade County
Building Code Compliance Office

APPROVED: 08/23/2001

Overhead Door Corporation.

ACCEPTANCE NO: 01-0529.06

APPROVED: AUG 23 2001

EXPIRES: AUG 23 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1.0 SCOPE

1.1 This approves a roll up door with maximum dimensions of as described in section 2 of this Notice of Acceptance. It is designed to comply with the South Florida Building Code, 1994 edition for Miami-Dade County (S.F.B.C.). For the locations where the pressure requirements, as determined by the S.F.B.C. chapter 23, do not exceed the design pressure rating values indicated on the approved drawings.

2.0 PRODUCT DESCRIPTION:

2.1 The **Overhead Steel Rolling Door** and its components shall be built in strict compliance with the following documents: Drawing No. D-308028, sheets 1 through 4 of 4, titled "Series 610/620 Rolling Service Door Dade County", prepared by Overhead Door Corporation, with no dated and last revision on 07/25/01. The drawing shall bear the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami Dade Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3.0 LIMITATION:

3.1 Units with dimensions equal to or smaller than those shown on the approved drawing shall qualify under this Notice of Acceptance, as long as all components are exactly as described in this approval.

4.0 INSTALLATION:

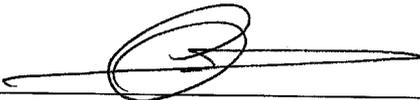
4.1 The Roll-Up Door and its components shall be installed in strict compliance with the approved drawings.
4.2 The installation of this door does **not require** a hurricane protection system.
4.3. The door operating mechanism (not included on this approval) shall be certified by Underwriters Laboratories or other recognized agency.

5.0 LABELLING

5.1 Each door shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement "Miami Dade County Product Control Approved"

6.0 BUILDING PERMIT REQUIREMENTS.

6.1 Application for Building Permit shall be accompanied by copies of the following:
6.1.1 This Notice of Acceptance including duplicate copies of the approved drawings, identified in section 2; clearly marked to show the components selected for the proposed installation.
6.1.2 Any other document required by the Building Official or the S.F.B.C. in order to properly evaluate the installation of this system.



Candido Font, PE, Sr. Product Control Examiner
Product Control Division

Overhead Door Corporation.

ACCEPTANCE NO : 01-0529.06

APPROVED: AUG 23 2001

EXPIRES : AUG 23 2006

NOTICE OF ACCEPTANCE STANDARD CONDITIONS

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documents, including test-supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
 - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
 - b) The product is no longer the same product (identical) as the one originally approved;
 - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
 - d) The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering professions.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
 - a) Unsatisfactory performance of this product or process;
 - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance 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 Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all times. The engineer need not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance contains pages 1, 2, and this last page 3.



Candido Font, PE, Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE

Overhead Door Corporation.

ACCEPTANCE NO: 01-0529.06

APPROVED: AUG 23 2001

EXPIRES: AUG 23 2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A DRAWING:

1. Drawing No. D-308028, titled "Series 610/620 Rolling Service Door Dade County", sheet 1 through 4 of 4, prepared by Overhead Door Corporation, without date but revised for last time on 07/25/01, signed and sealed by L. G. Krupke, PE.

B TEST:

1. Test report on Uniform Static Air Pressure per PA 202, Large Missile Impact Test per PA 201 and Cyclic Wind Pressure Test per PA 203 of "Steel Roll Up Service Door" prepared by Architectural Testing, Inc., report No. 01-38195.01, dated 05/08/01, signed and sealed by A. N. Reeves, PE.

C CALCULATIONS:

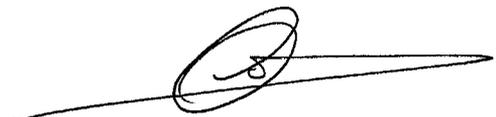
1. Calculations prepared by Overhead Door Corporation, sheets 4 of 4 of drawing D-308028, signed and sealed by L. G. Krupke, PE. on 07/25/01.

D STATEMENTS:

1. Code Compliance and No Financial interest letter issued by Overhead Door Corporation, on 07/24/01, signed and sealed by L. G. Krupke, PE.
2. Test Compliance letter issued by Architectural Testing, Inc., on 05/09/01, signed and sealed by A. N. Reeves, PE.

E MATERIAL CERTIFICATION:

1. Test Report on Tensile Test per ASTM E-8, of "Coupons from PA201, PA202 and PA203 tests", prepared by Architectural Testing, Inc., dated 05/08/01, signed and sealed by A. N. Reeves, PE.

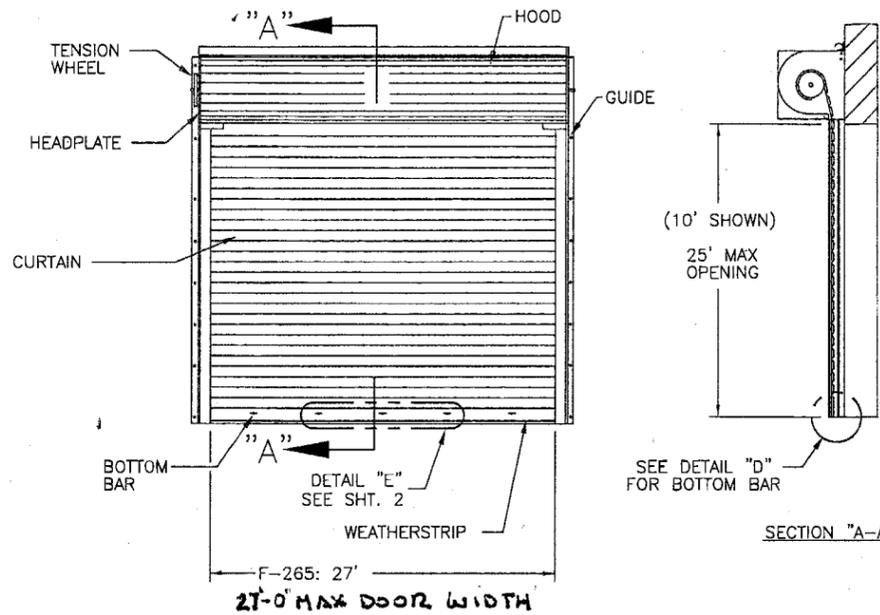


Candido Font, PE, Sr. Product Control Examiner
Product Control Division

NOTES

1. (-W/L) = NEGATIVE WINDLOAD
(+W/L) = POSITIVE WINDLOAD
2. WALL ANGLES MAY BE WELDED TO JAMB. USE PLUG WELDS IN THE WALL SLOTS AND ALTERNATE WELDS SUFFICIENT TO HOLD THE LOADS SHOWN ON THE "DOOR SIZE REFERENCE SUMMARY CHART". SEE SHEET 3 FOR WELDING DETAILS.
3. RATED DESIGN LOAD ±68.9 PSF.
4. CURTAIN MATERIAL: ASTM A-446 GRADE C
GUIDE MATERIAL: ASTM A-36
5. CURTAIN MATERIAL LESS THAN 20 GAUGE SHALL BE GALVANIZED ACCORDING TO ASTM A-525 TO G90 OR AN EQUIVALENT SURFACE COATING APPROVED BY THE DADE COUNTY BUILDING CODE COMPLIANCE OFFICE.
6. TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS PA 201-94, PA 202-94, AND PA 203-94.

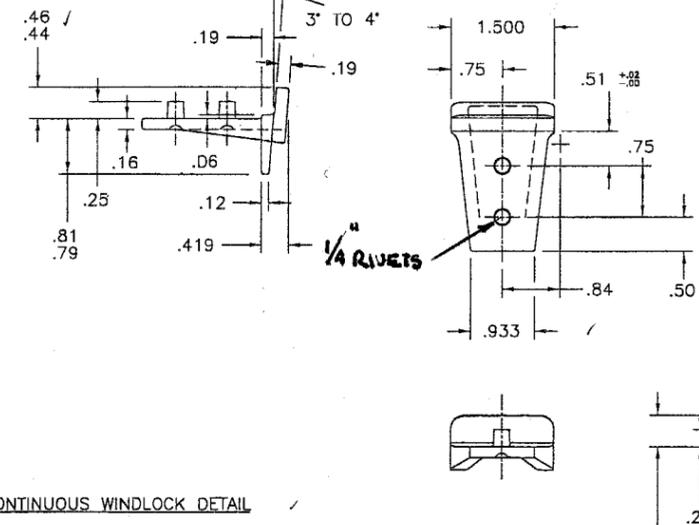
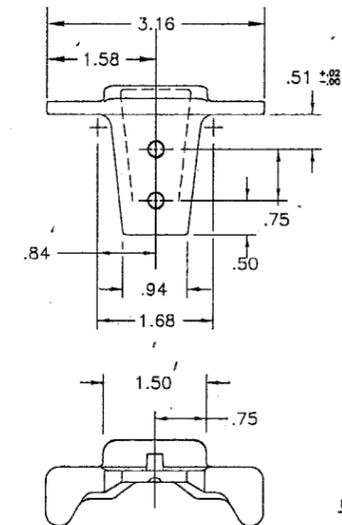
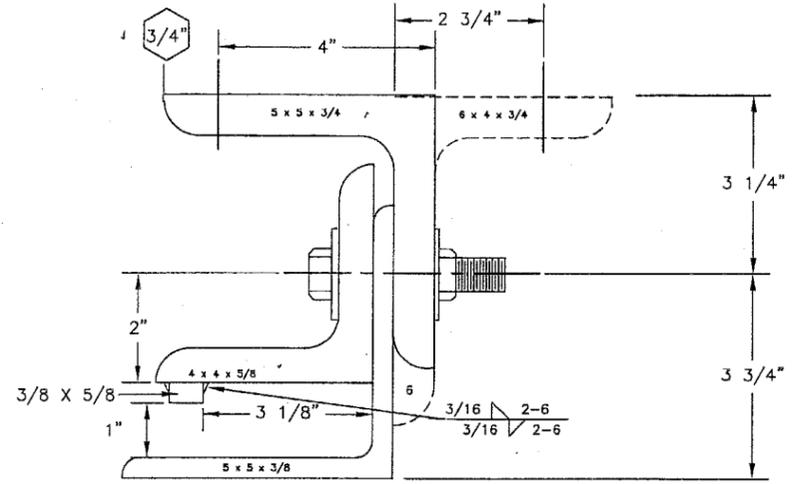
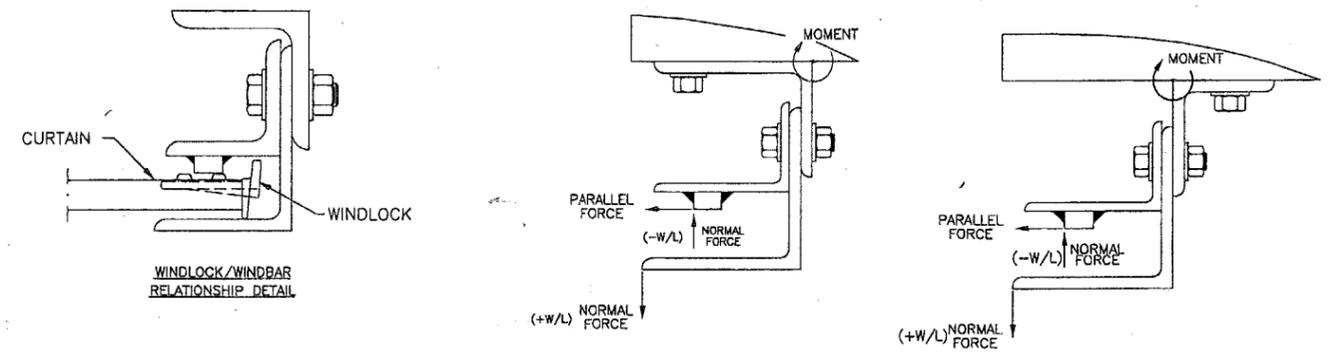
REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
A		7/25/01	<i>[Signature]</i>



PARALLEL FORCE: THE CATENARY FORCE OF THE CURTAIN APPLIED TO THE WINDBAR IN POUNDS PER FOOT OF HEIGHT.

NORMAL FORCE: THE FORCE NORMAL TO THE DOOR OPENING IN POUNDS PER FOOT OF HEIGHT.

MOMENT: THE RESOLUTION OF THE PARALLEL & NORMAL FORCES TO A POINT CORRESPONDING TO THE HEEL OF THE WALL ANGLE IN INCH/POUNDS PER FOOT OF DOOR HEIGHT.



F-265 - DOOR SIZE REF. SUMMARY

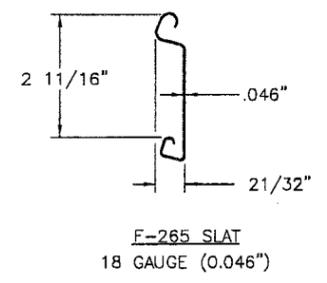
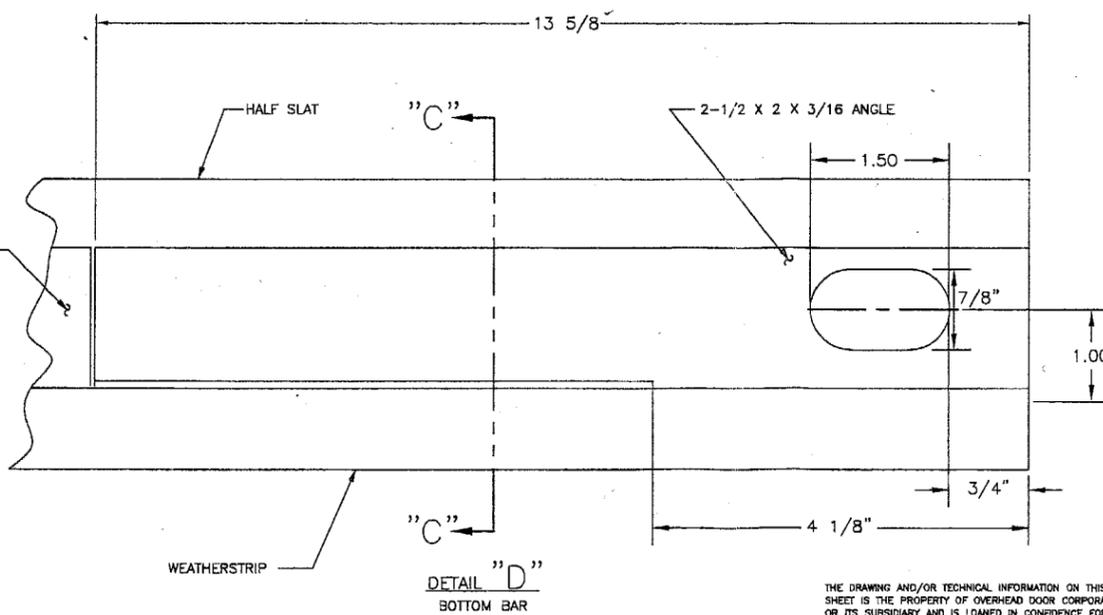
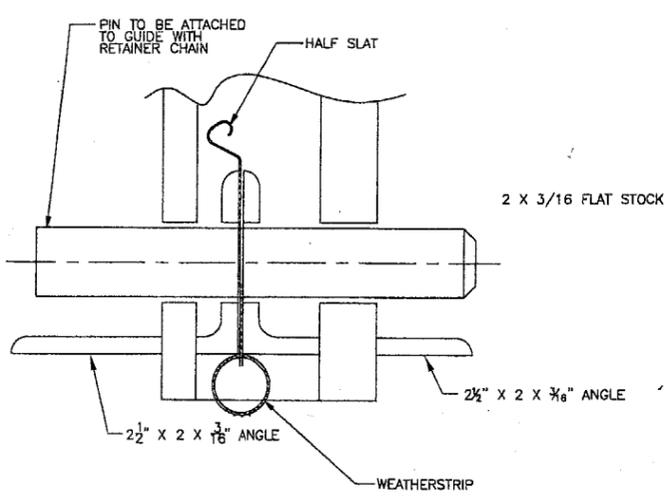
F-265 18 GA	LOADS *	
	"E"-GUIDES	"Z"-GUIDES
MOMENT	21,178	20,479
NORMAL	931	931
PARALLEL	2958	2958

* LOADS - PER FOOT OF HEIGHT

	ASSEMBLY BOLT	WALL BOLT STEEL JAMB	WALL ATTACHMENT CONCRETE JAMB
F-265	3/4" GRADE 5, 11" O.C. "E" GUIDES, 7" O.C. "Z" GUIDES	3/4" GRADE 5, 11" O.C.	5/8" THRU BOLTS GRADE 2 9" O.C.

NOTE: FOR DETAILS ON WELDING GUIDES TO STEEL JAMBS SEE SHEET 3

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



[Signature]
7-25-01

OVERHEAD DOOR CORPORATION
1900 CROWN DRIVE
FARMERS BRANCH, TEXAS 75234
LeROY G. KRUPKE, P.E. #36580

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE **AUG 23 2001**
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **01-0529.06**

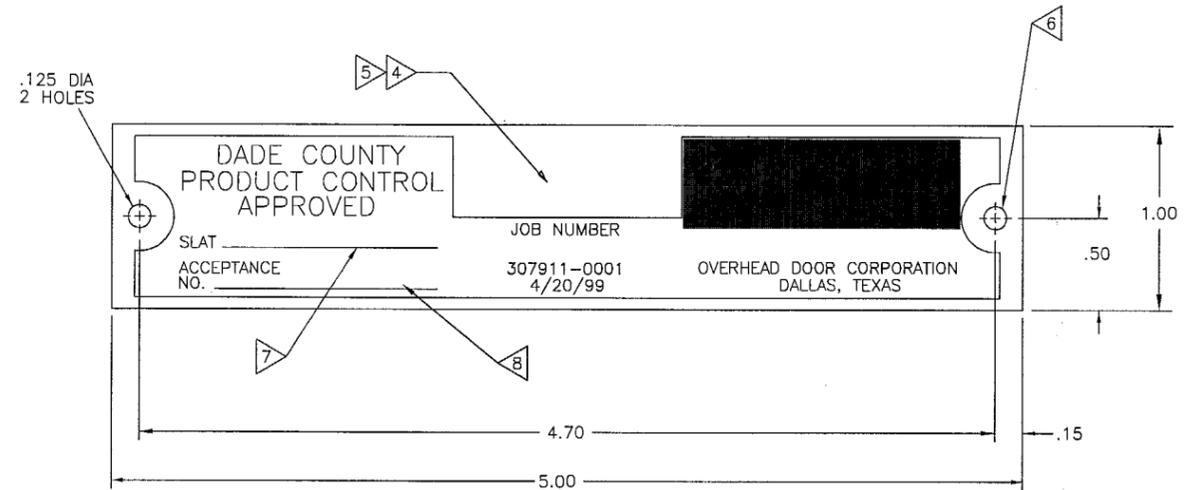
THE DRAWING AND/OR TECHNICAL INFORMATION ON THIS SHEET IS THE PROPERTY OF OVERHEAD DOOR CORPORATION OR ITS SUBSIDIARY AND IS LOANED IN CONFIDENCE FOR ENGINEERING AND MUTUAL ASSISTANCE PURPOSES ONLY, AND MAY NOT BE REPRODUCED OR USED TO MANUFACTURE ANYTHING DISCLOSED HEREON WITHOUT THE EXPRESS PERMISSION OF OVERHEAD DOOR CORPORATION WHICH MAY RECALL THIS SHEET AT ANY TIME.

UNLESS OTHERWISE SPECIFIED		OVERHEAD DOOR CORPORATION		DALLAS, TEXAS	
DIMENSIONS ARE IN INCHES/TOLERANCES ON DECIMAL DIMENSIONS	HOLE DIMENSIONS	NAME	DATE	DRAWING TITLE:	
.000 ± .003	UNDER .251 ± .004 - .003	B. STRYKER		SERIES 610/620, ROLLING SERVICE DOOR	
.005 ± .005	.251 TO .500 ± .006 - .003	D. WELLS		DADE COUNTY	
	OVER .500 ± .008 - .003	D. WELLS		DRAWING NUMBER	D-308028
		APPLIED FINISH:	UNIT OF MEASURE:	SCALE:	NONE
			N/A	SHEET	1 OF 4

NOTES

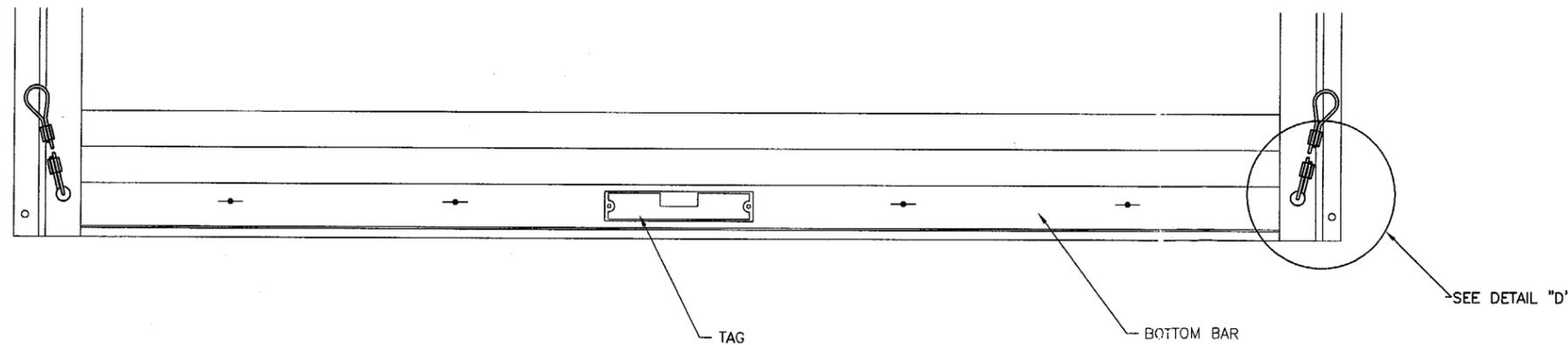
1. MATERIAL: ALUMINUM 3003 H14 (0.03 THICK) WITH TRANSPARENT KELSTRIP COVERING.
2. COLOR: HANSCHY RED CS 2311.
3. SOURCE: OHD ADVERTISING AND MERCHANDISING
2170 FRENCH SETTLEMENT RD.
DALLAS, TX 75212
4. STAMP FACTORY ORDER NUMBER HERE.
5. A LETTER MUST BE STAMPED ON ROLLING FIRE DOORS TO IDENTIFY MANUFACTURING 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.

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
A		7/27/01	<i>[Signature]</i>



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

SCALE: 2/1



DETAIL "E" 6

SCALE: 4/1

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **AUG 23 2001**
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. **01-0529.06**

LeRoy Krupke
7-25-01

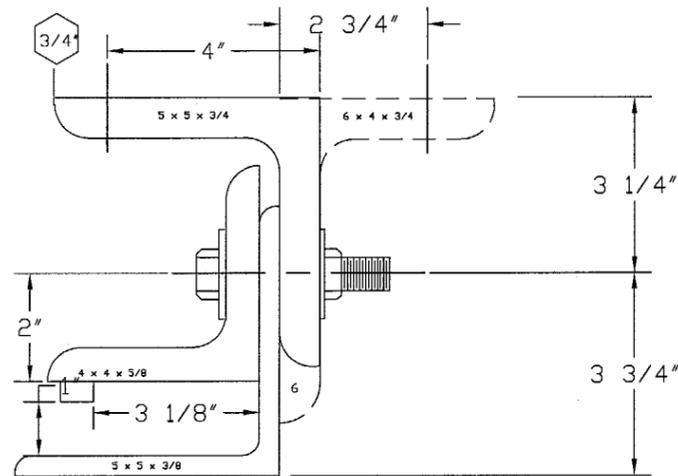
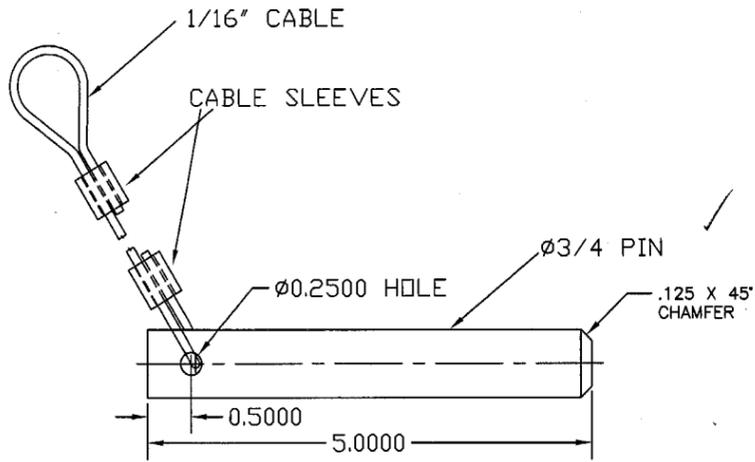
OVERHEAD DOOR CORPORATION
1900 CROWN DRIVE
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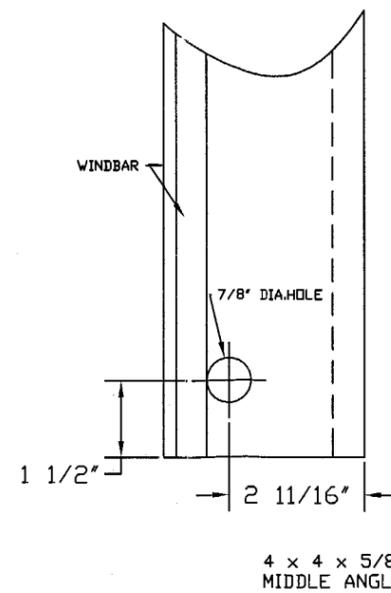
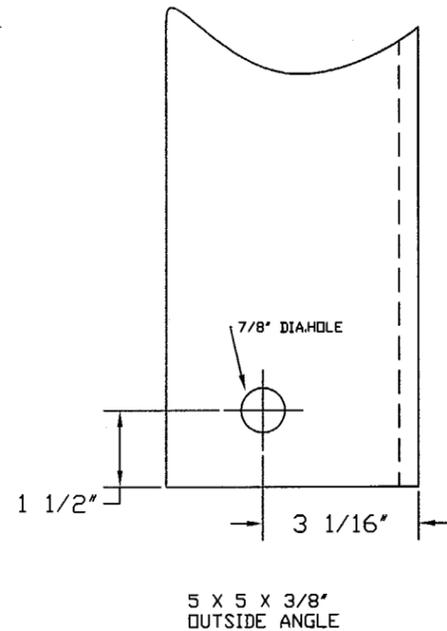
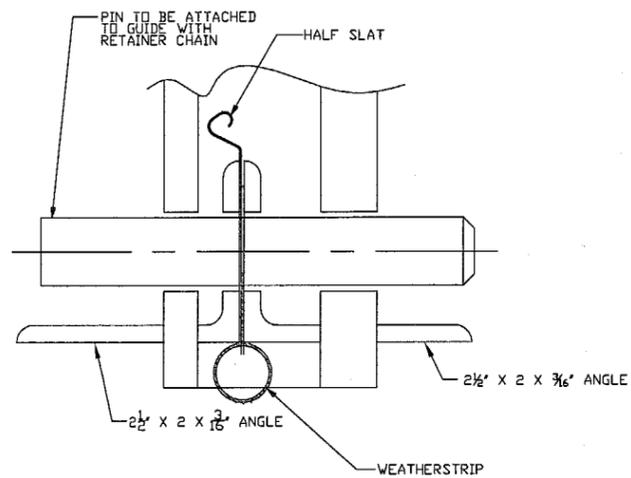
UNLESS OTHERWISE SPECIFIED			OVERHEAD DOOR		DALLAS, TEXAS		DRAWING TITLE:	
DECIMAL DIMENSIONS	HOLE DIAMETERS	ANGLES ± 0° 30'	NAME	DATE	SERIES 610/620, ROLLING SERVICE DOOR DADE COUNTY			
XXX ± .03	UNLESS 2314-004-.003	FRACTIONS ± 1/16"	B. STRYKER	<i>[Signature]</i>	DRAWING NUMBER D-308028			
XXX ± .005	231 TO 3004-004-.003		D. WELLS	<i>[Signature]</i>	SCALE: NOTED SHEET 2 OF 4			
	OVER .0004-008-.003		D. WELLS	<i>[Signature]</i>				

NOTES

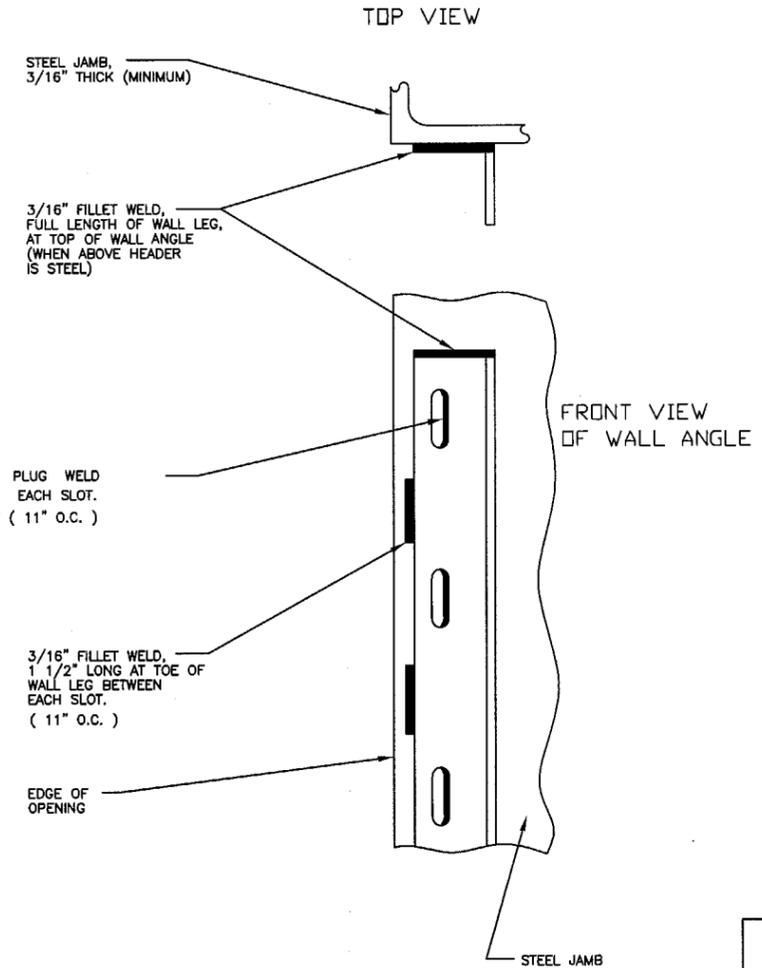
PIN DETAIL



GUIDE HOLE LOCATION DETAILS



DETAILS FOR WELDING "E" GUIDES TO STEEL JAMBS



REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
A		7/25/01	

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE **AUG 23 2001**
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. **01-0529.06**

LeRoy Krupke
 7-25-01

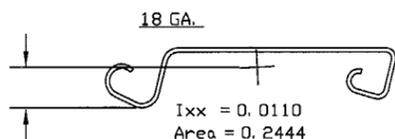
OVERHEAD DOOR CORPORATION
 1900 CROWN DRIVE
 FARMERS BRANCH, TEXAS 75234
 LeROY G. KRUPKE, P.E. #36580

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DIMENSIONS ARE IN INCHES	TOLERANCES ON DECIMAL DIMENSIONS	ANGLE DIMENSIONS	NAME	DATE	DRAWING TITLE	
.001" - .0125"	UNDER .251" - .001" - .003"	FRACTIONS ± 1/16"	B. STRYKER		SERIES 610/620, ROLLING SERVICE DOOR DADE COUNTY	
			CHECKED BY: D. WELLS		DRAWING NUMBER: D-308028	
			APPLIED FINISH: N/A	UNIT OF MEASURE: N/A	SCALE: NONE SHEET 3 OF 4	

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
A		7/25/01	[Signature]

CALCULATIONS:



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

	I (IN ⁴)	A (IN ²)	C (IN)
18 GA.	0.0494	1.0983	0.446

CALCULATIONS SHOWN FOR 18 GA. SLAT.

WINDLOCK SLIP DISTANCE = 2.50 IN. /SIDE

W = DOOR WIDTH

$W = 27 \text{ FT.}$

D = CURTAIN DEFLECTION

$D = \left[\left(\frac{2625 \times W}{272} \right) \times (\text{WINDLOCK SLIP}) \right]^{1/2}$

$D = \left[\left(\frac{2625 \times 27}{272} \right) \times (2.50) \right]^{1/2}$

$D = 25.52 \text{ IN.}$

S_y = YIELD STRESS OF SLAT MATERIAL

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

E = MODULUS OF ELASTICITY

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

Q₃ = WINDLOAD HELD IN BENDING

$Q_3 = \frac{2EI D}{45W^4} \text{ OR } \frac{2Si}{3W^3} \text{ (LESSER VALUE)}$

$Q_3 = \frac{2(29,000,000)(0.0494)(25.52)}{45(27)^4}$

$Q_3 = 3.06$

$Q_3 = \frac{2(40,000)(0.0494)}{3(27^3)(0.446)}$

$Q_3 = 4.05$

$Q = 68.9 \text{ PSF}$

Q_T = WINDLOAD HELD IN TENSION

$Q_T = Q - Q_3$

$Q_T = 68.9 - 3.06$

$Q_T = 65.64 \text{ PSF}$

$T_E = \frac{3Q_T W^2}{2D} \left[1 + \frac{D^2}{9W^2} \right]^{1/2}$

$T_E = 2958 \text{ LB/FT.}$

T_F = THRUST LOAD ON GUIDES PER FOOT OF HEIGHT.

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

$T_F = 931 \text{ LB/FT.}$

T_s = TENSION/SLAT

$T_s = 2958/4.494$

$T_s = 988 \text{ LB/SLAT}$

M_R = MAXIMUM RESULTANT MOMENT APPLIED TO JAMB

$M_R = 2958(5.625) + 931(4.875)$

$M_R = 21,178 \text{ IN} \times \text{LB}$

WINDLOCK FASTENERS

DESCRIPTION: CRUSHED MALLEABLE IRON POST.
MATERIAL: GRADE 32510, ASTM A47 MALLEABLE CAST IRON, ZINC PLATED.
SIZE: 0.245 IN. ROOT DIAMETER.

A_R = CROSS SECTIONAL AREA/RIVET

$A_R = \frac{T_F - D^2}{4}$

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

S_s = SHEAR STRESS ACROSS TWO END FASTENERS

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

$S_s = 988 / (2 \times 0.047)$

$S_s = 10,510 \text{ PSI}$

WINDBAR WELDS

A_w = AREA OF WELD

A_w = LENGTH x FILLET WIDTH

$A_w = (2)(0.1875)$

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

S_v = SHEAR STRESS ACROSS WELD

$S_v = (3 \text{ IN})(1 \text{ FT}/12 \text{ IN})(2958 \text{ LB/FT}) / (0.375 \text{ IN}^2)$

$S_v = 1972 \text{ PSI}$

WALL ATTACHMENT BOLTS

STEEL JAMB-POSITIVE WINDLOAD

R₃ = WALL ATTACHMENT BOLT REACTION

$R_3 = (11/12)[2958(5.625) - 931(0.75)] / 1.00$

$R_3 = 14,612 \text{ LB.}$

STEEL JAMB-NEGATIVE WINDLOAD

$R_3 = (11/12)[2958(5.625) + 931(-0.125)] / 1.00$

$R_3 = 15,146 \text{ LB.}$

CONCRETE JAMB-POSITIVE WINDLOAD

$R_3 = (9/12)[2958(5.625) - 931(5)] / 2.75$

$R_3 = 3,269 \text{ LB.}$

CONCRETE JAMB-NEGATIVE WINDLOAD

$R_3 = (9/12)[2958(5.625) + 931(4.125)] / 2.75$

$R_3 = 5,586 \text{ LB.}$

Lily Krupke
7-25-01

OVERHEAD DOOR CORPORATION
1900 CROWN DRIVE
FARMERS BRANCH, TEXAS 75234
LeROY G. KRUPKE, P. E. #36580

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE **AUG 23 2001**
BY [Signature]
PROJECT CONTROL DEPARTMENT
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 01-0529.06

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UNLESS OTHERWISE SPECIFIED			OVERHEAD DOOR		BALLAS, TEXAS		DRAWING TITLE:				
DIMENSIONS ARE IN INCHES	TOLERANCES ON DECIMAL DIMENSIONS	HOLE DIAMETERS	ANGLES	MATERIAL	APPLIED FINISH	UNIT OF MEASURE	NAME	DATE	DRAWING NUMBER	SCALE	SHEET
XXX ± .03	UNDER .251 ± .004 - .003	OVER .251 TO .500 ± .006 - .003	OVER .500 ± .008 - .003	4	4	N/A	B. STRYKER	7/25/01	D-308028	NONE	4
							D. WELLS				
							D. WELLS				