



**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

**PRODUCT CONTROL NOTICE OF ACCEPTANCE**

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

Your application for Notice of Acceptance (NOA) of:

**Roll-Up Garage Door 14' Wide**

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.: 01-0227.03**

**EXPIRES: 03/26/2006**

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: 04/19/2001**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1.0 SCOPE**

1.1 This renews the Notice of Acceptance No. 98-0205.04, which was issued on 03/26/98. It approves a roll up door with maximum dimensions of 14'-0" wide x 8'-0" through 24'-0" high 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 Rolling Door** and its components shall be built in strict compliance with the following documents: Drawing No. D-307700, titled "Series 610/620, Rolling Service Door Dade County", prepared by Overhead Door, sheets 1 through 2 of 2 dated 10/21/94 & 11/04/94 and with latest revision on 02/20/98. 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 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"

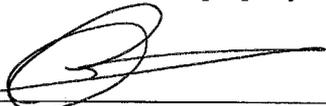
**6.0 BUILDING PERMIT REQUIREMENTS.**

6.1 Application for Building Permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance.

6.1.2 Duplicate copies of the approved drawings as identified in section 2; clearly marked to show the Components selected for the proposed installation.

6.1.3 Any other document required by the building Official or the S.F.B.C. in order to properly evaluate the installation of this system.

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

**Overhead Door Corporation.**

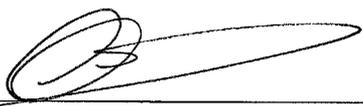
**ACCEPTANCE NO: 01-0227.03**

**APPROVED: APR 19 2001**

**EXPIRES: 03/26/2006**

**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: 01-0227.03

APPROVED: APR 19 2001

EXPIRES: 03/26/2006

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A DRAWINGS:**

1. Drawing prepared by Overhead Door, titled "Series 610/620 Rolling Service Door Dade County", Drawing No. D-307700, dated 10/21/94 & 11/04/94 with latest revision on 02/20/98, sheets 1 through 2 of 2, signed and sealed by L. G. Krupke, PE.

**B TEST:**

1. Test report on Uniform Static Air Pressure Test on a "Service Industrial Door", prepared by Hurricane Engineering Testing Inc., report # HETI 94-370, dated 11/10/94, signed and sealed by H. M. Medina, PE.
2. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test on a "Service Industrial Door", prepared by Hurricane Engineering Testing Inc., report # HETI 94-371, dated 11/12/95, signed and sealed by H. M. Medina, PE.
3. Test report on Force Entry Test, prepared by Hurricane Engineering Testing, Inc., report No. HETI 94-386, dated 11/10/94, signed and sealed by H. M. Medina, PE.

**C CALCULATIONS:**

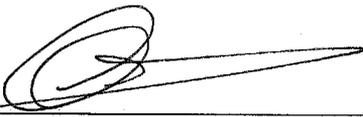
1. Calculations prepared by Overhead Door Corporation, dated 10/21/94 & 11/04/94, sheets 2 of 2, signed and sealed by L. G. Krupke, PE. on 02/14/01.

**D STATEMENTS:**

1. No change and yield strength compliance letter issued by Overhead Door Company on 02/13/01, signed by J. D. Faw and sealed by L.G. Krupke, PE.

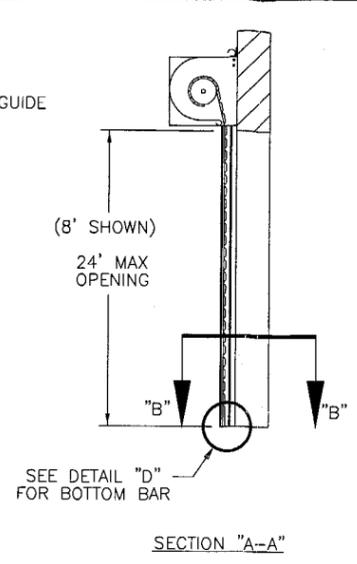
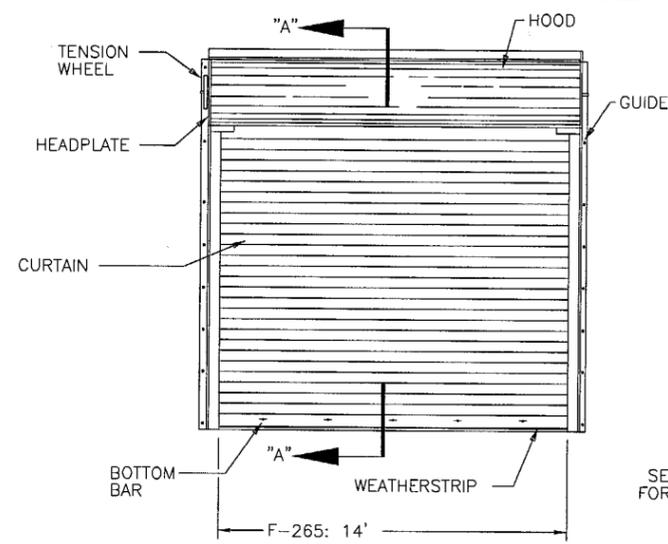
**E MATERIAL CERTIFICATION.**

1. Test report on Tensile Test from "20 GA x 31.875 Galvanized and painted steel sheet metal" prepared by Hurricane Engineering & Testing, Inc., report No. HETI 01-T1009, dated 01/30/01 signed and sealed by H.M. Medina, PE.

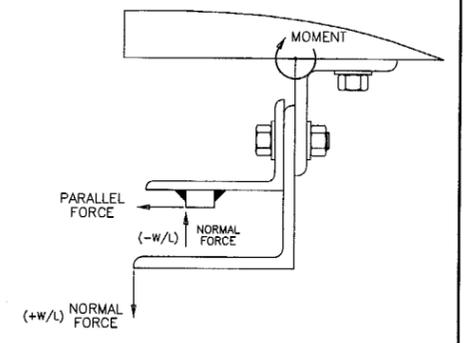
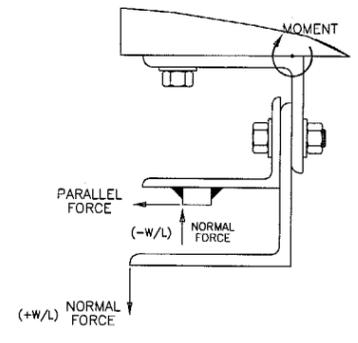
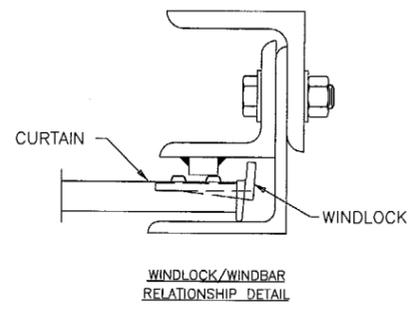
  
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Candido Font, PE, Sr. Product Control Examiner  
Product Control Division

**NOTES**  
 (-W/L) = NEGATIVE WINDLOAD  
 (+W/L) = POSITIVE WINDLOAD

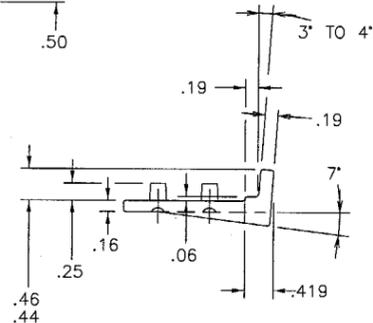
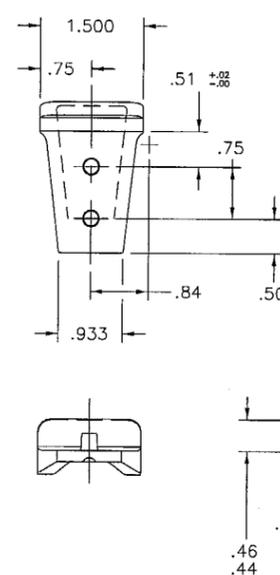
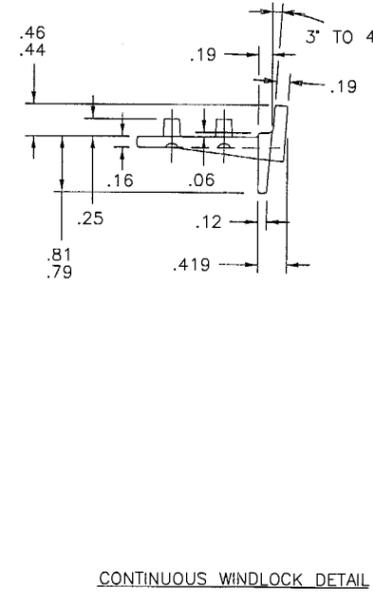
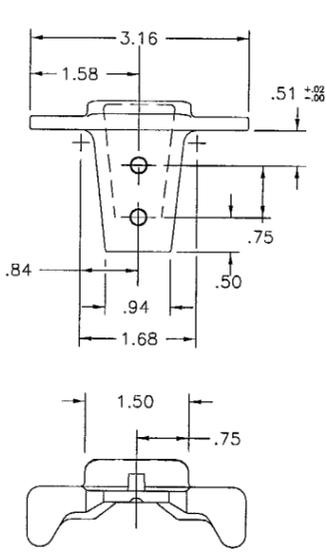
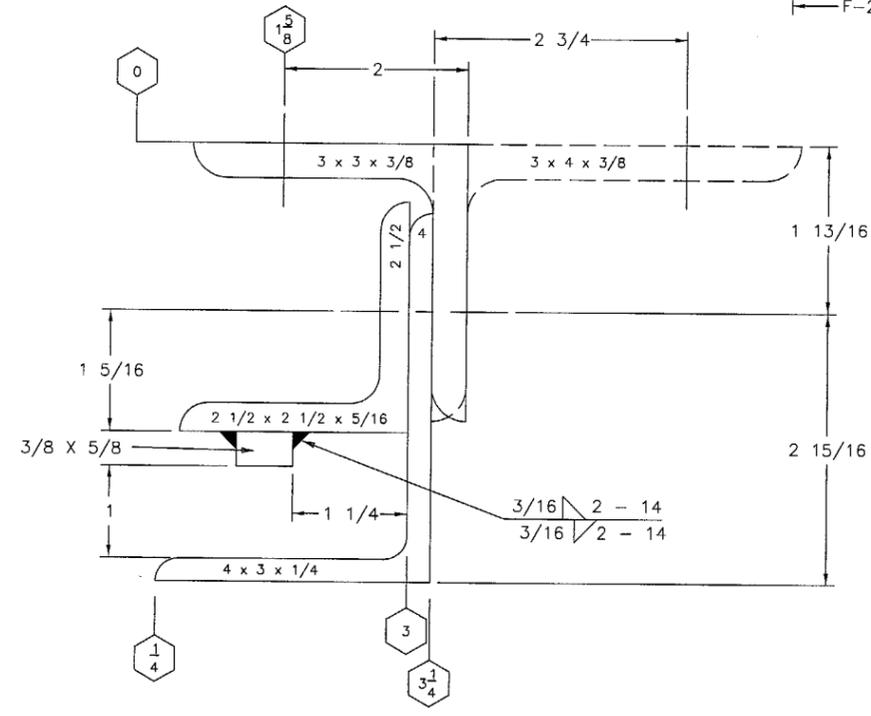
- WALL ANGLES MAY BE WELDED TO JAMB. PLUG WELDS IN THE WALL SLOTS OR ALTERNATE WELDS SUFFICIENT TO HOLD THE LOADS SHOWN ON THE "DOOR SIZE REFERENCE SUMMARY CHART".
- RATED DESIGN LOAD ±50 PSF.
- CURTAIN MATERIAL: ASTM A-446 GRADE C  
GUIDE MATERIAL: ASTM A-36
- CURTAIN MATERIAL LESS THAN 20 GAUGE SHALL BE GALVANIZED ACCORDING TO ASTM A-525 TO G90 OR AN EQUIVALENT SURFACE COATING APPROVED BY THE DADE COUNTY BUILDING CODE COMPLIANCE OFFICE.



**PARALLEL FORCE:** THE CATENARY FORCE OF THE CURTAIN APPLIED TO THE WINDBAR IN POUNDS PER FOOT OF HEIGHT. SEE  $T_c$  IN CALCULATIONS.  
**NORMAL FORCE:** THE FORCE NORMAL TO THE DOOR OPENING IN POUNDS PER FOOT OF HEIGHT. SEE  $T_f$  IN CALCULATIONS.  
**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. SEE  $M_R$  IN CALCULATIONS.



REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
-	RFP PER DRN 300409	11/14/94	T.S.
A	REV PER ECO 31168	2/9/95	T.S.
B	REV PER EN 10127		



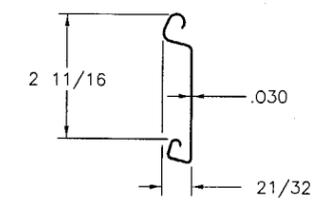
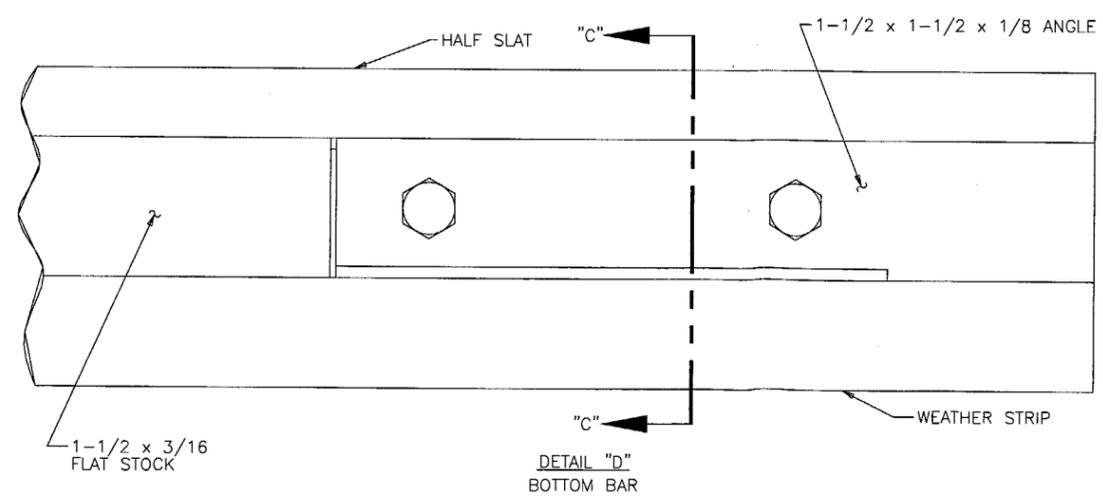
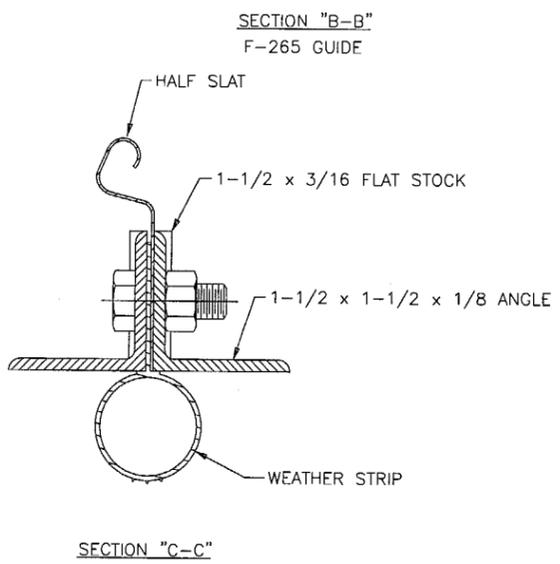
F-265 - DOOR SIZE REF. SUMMARY

	LOADS *		
	22 GA **	20 GA	18 GA
MOMENT	5400	5080	4660
NORMAL	350	350	350
PARALLEL	1330	1240	1120

\* LOADS - PER FOOT OF HEIGHT

	ASSEMBLY BOLT	WALL BOLT STEEL JAMB	WALL BOLT * CONCRETE JAMB
F-265	1/2" GRADE 5, 12" O.C.	1/2" GRADE 5, 15" O.C.	1/2" x 5 3/4" RAWL BOLT, 6" O.C.

\* 3000 PSI MINIMUM AND 6" EDGE DISTANCE



F-265 SLAT

GAUGE OPTIONS: 22 \*\*, 20, 18  
 \*\* TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS PA 201-94, PA 202-94, AND PA 203-94

*Handwritten signature and date: 2-14-01*

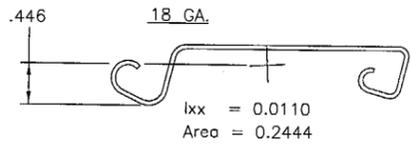
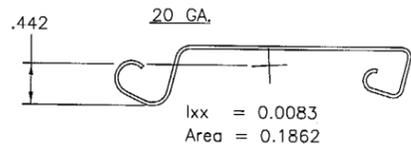
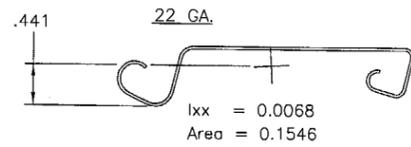
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE **APR 19 2001**  
 BY *[Signature]*  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-022703

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

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 DIMENSIONAL DIMENSIONS	NO. 1	NO. 2	NAME	DATE	DRAWING TITLE:	
.000 - .005	UNDER .251 - .004 - .003	FRACTIONS * 1/16"	T. SHELTON	10/21/94	SERIES 610/620, ROLLING SERVICE DOOR DADE COUNTY	
.005 - .008	.251 TO .500 - .008 - .003		ADA JOHNSON	11/4/94	DRAWING NUMBER <b>D-307700</b>	
.008 - .015	OVER .500 - .008 - .003		T. SHELTON	11/4/94	SCALE: NONE SHEET 1 OF 2	

CALCULATIONS:



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)
22 GA.	0.0306	0.6948	0.441
20 GA.	0.0373	0.8368	0.442
18 GA.	0.0494	1.0983	0.446

CALCULATIONS SHOWN FOR 22 GA. SLAT.

WINDLOCK SLIP DISTANCE = 0.625"/SIDE

W = DOOR WIDTH

W = 14 FT.

D = CURTAIN DEFLECTION

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

$D = \left[ \left( \frac{2625 \cdot 14}{272} \right) (0.625) \right]^{1/2}$

D = 9.18 IN.

S<sub>y</sub> = YIELD STRESS OF SLAT MATERIAL

S<sub>y</sub> = 40,000 PSI

E = MODULUS OF ELASTICITY

E = 29,000,000 PSI

Q<sub>b</sub> = WINDLOAD HELD IN BENDING

$Q_b = \frac{2EI\Delta}{45W}$  OR  $\frac{2S_y I}{3W^2 C}$  (LESSER VALUE)

$Q_b = \frac{2(29,000,000)(0.0306)(9.18)}{45(14)}$

Q<sub>b</sub> = 9.42

$Q_b = \frac{2(40,000)(0.0306)}{3(14^2)(0.441)}$

Q<sub>b</sub> = 9.44

Q = 50 PSF

Q<sub>T</sub> = WINDLOAD HELD IN TENSION

Q<sub>T</sub> = Q - Q<sub>b</sub>

Q<sub>T</sub> = 50 - 9.42

Q<sub>T</sub> = 40.58 PSF

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

T<sub>e</sub> = 1330 LB/FT.

T<sub>r</sub> = THRUST LOAD ON GUIDES PER FOOT OF HEIGHT.

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

T<sub>r</sub> = 350 LB/FT.

T<sub>s</sub> = TENSION/SLAT

T<sub>s</sub> = 1330/4.494

T<sub>s</sub> = 296 LB/SLAT

M<sub>R</sub> = MAXIMUM RESULTANT MOMENT APPLIED TO JAMB

M<sub>R</sub> = 1330(3.500) + 350(2.125)

M<sub>R</sub> = 5400 IN·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<sub>R</sub> = CROSS SECTIONAL AREA/RIVET

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

A<sub>R</sub> = 0.047 IN<sup>2</sup>

S<sub>s</sub> = SHEAR STRESS ACROSS TWO END FASTENERS

S<sub>s</sub> = T<sub>s</sub> / (2 · A<sub>R</sub>)

S<sub>s</sub> = 296 / (2 · 0.047)

S<sub>s</sub> = 3150 PSI

WINDBAR WELDS

A<sub>w</sub> = AREA OF WELD

A<sub>w</sub> = LENGTH · FILLET WIDTH

A<sub>w</sub> = (2)(0.1875)

A<sub>w</sub> = 0.375 IN<sup>2</sup>

S<sub>w</sub> = SHEAR STRESS ACROSS WELD

S<sub>w</sub> = (7 IN)(1 FT/12 IN)(1330 LB/FT) / (0.375 IN<sup>2</sup>)

S<sub>w</sub> = 2070 PSI

WALL ATTACHMENT BOLTS

STEEL JAMB-POSITIVE WINDLOAD

R<sub>b</sub> = WALL ATTACHMENT BOLT REACTION

R<sub>b</sub> = (15/12)[1330(3.500) - 350(0.375)] / 1.00

R<sub>b</sub> = 5650 LB.

STEEL JAMB-NEGATIVE WINDLOAD

R<sub>b</sub> = (15/12)[1330(3.500) + 350(-0.500)] / 1.00

R<sub>b</sub> = 5600 LB.

CONCRETE JAMB-POSITIVE WINDLOAD

R<sub>b</sub> = (9/12)[1330(3.500) - 350(3)] / 2

R<sub>b</sub> = 1350 LB.

CONCRETE JAMB-NEGATIVE WINDLOAD

R<sub>b</sub> = (9/12)[1330(3.500) + 350(2.125)] / 2

R<sub>b</sub> = 2020 LB.

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
—	RFP PER DRN 300409	11/14/94	T.S.
A	REV PER ECO 3116B	2/9/95	T.S.
B	REV PER EN 10127		

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE APR 19 2001  
 BY [Signature]  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 01-022703

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

*LeRoy Krupke*  
 2-14-01

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES/TOLERANCES ON DECIMAL DIMENSIONS  
 FRACTIONS  
 .001 ± .03  
 UNDER .251 ± .004-.003  
 .251 TO .500 ± .006-.003  
 OVER .500 ± .008-.003

OVERHEAD DOOR the original since 1918	DALLAS, TEXAS	NAME T. SHELTON	DATE 10/21/94	DRAWING TITLE: SERIES 610/620, ROLLING SERVICE DOOR DADE COUNTY
MATERIAL: A	APPLIED FINISH: A	CHECKED BY: ADA JOHNSON	DATE 11/4/94	DRAWING NUMBER D-307700
UNIT OF MEASURE: N/A	APPROVED BY: T. SHELTON	DATE 11/4/94	SCALE: NONE	SHEET 2 OF 2