



MIAMI-DADE COUNTY
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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidadecounty.gov/building

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: Series 610/620 Steel Rolling Door 27'-0" Wide

APPROVAL DOCUMENT: Drawing No. **D-308028**, titled "Series 610/620 Rolling Service Door 27' Dade County", Sheets 1 through 4 of 4, dated 08/10/01, with Revision D dated 08/25/10, prepared by Overhead Door Corporation, signed and sealed by LeRoy G. Krupke, P.E., 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 Resistant

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", 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 NOA **revises NOA # 05-1003.19** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Handwritten Signature]
 12/02/10

NOA No. 10-0831.09
 Expiration Date: August 23, 2011
 Approval Date: December 23, 2010
 Page 1

Overhead Door Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **D-308028**, titled "Series 610/620 Rolling Service Door 27' Dade County", Sheets 1 through 4 of 4, dated 08/10/01, with Revision D dated 08/25/10, prepared by Overhead Door Corporation, signed and sealed by LeRoy G. Krupke, P.E.

B. TESTS

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., Test Report No. **01-38195.01**, dated 05/08/01, signed and sealed by A. N. Reeves, P.E. **"Submitted under NOA # 01-0529.06"**
2. Test report on Salt Exposure Fog of G30, G40 & G90 Coupons per ASTM B-117, prepared by Environmental Testing Laboratory, Inc., Test Report # **9100550287**, dated 03/13/06, signed by Brady Richard. **"Submitted under NOA # 05-1003.19"**
3. 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, P.E. **"Submitted under NOA # 01-0529.06"**

C. CALCULATIONS "Submitted under NOA # 01-0529.06"

1. Calculations prepared by Overhead Door Corporation, sheets 4 of 4 of drawing D-308028, signed and sealed by L. G. Krupke, P.E.

D. QUALITY ASSURANCE

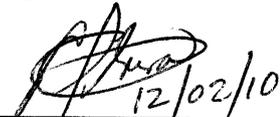
1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance with FBC 2007, issued by Overhead Door Corporation, dated 11/18/10, signed and sealed by LeRoy G. Krupke, P.E.
2. Test Compliance letter issued by Architectural Testing, Inc., on 05/09/01, signed and sealed by A. N. Reeves, P.E. **"Submitted under NOA # 01-0529.06"**



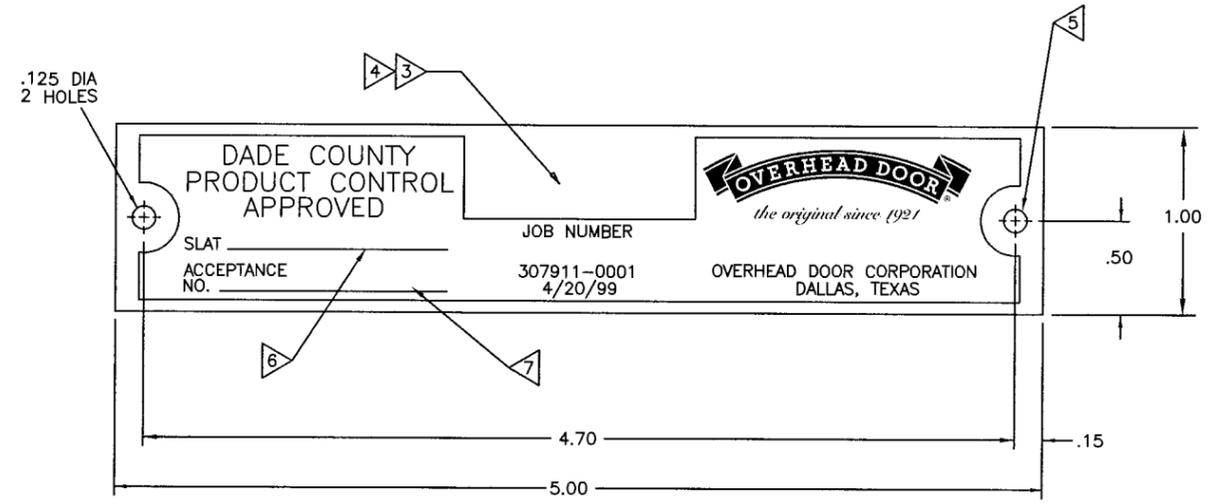
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 10-0831.09

Expiration Date: August 23, 2011
Approval Date: December 23, 2010

NOTES

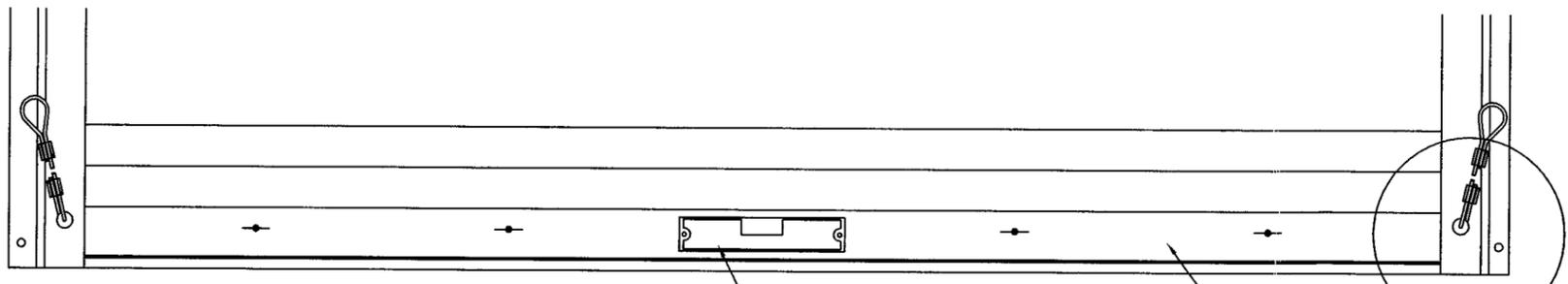
1. MATERIAL: ALUMINUM 3003 H14 (0.03 THICK) WITH TRANSPARENT KELSTRIP COVERING.
2. COLOR: HANSCHY RED CS 2311.
3. STAMP FACTORY ORDER NUMBER HERE.
4. A LETTER MUST BE STAMPED ON ROLLING FIRE DOORS TO IDENTIFY MANUFACTURING PLANT (I.E., USE "P" FOR PENNSYLVANIA).
5. FASTENER FOR TAG IS P/N 080276-1004(STEEL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

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
A	REV PER EN 20807	6/16/06	LK
B	REV PER EN 20814	6/30/06	LK
C	REV PER ER 500962	8/25/10	SRT



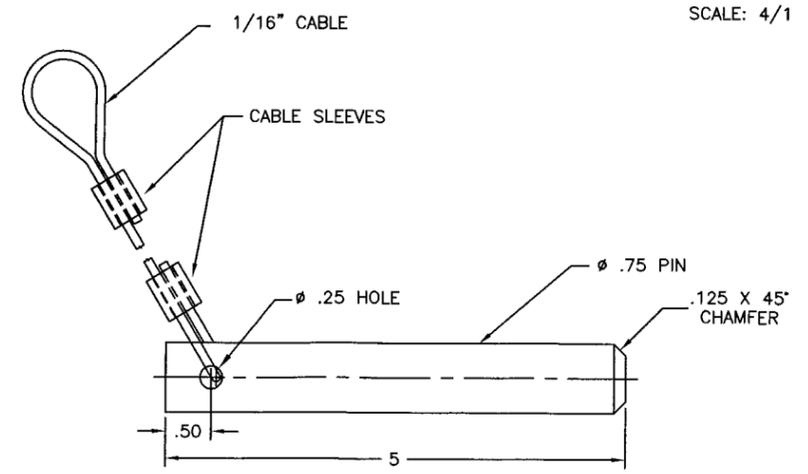
P/N 307911-0001 - DADE CO. APPROVAL TAG, ROLLING DOORS & GRILLES

SCALE: 2/1



DETAIL "E" 6

SCALE: 4/1



DETAIL "F"

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-0831.09
 Expiration Date 08/23/2011
 By [Signature]
 Miami Dade Product Control
 Division

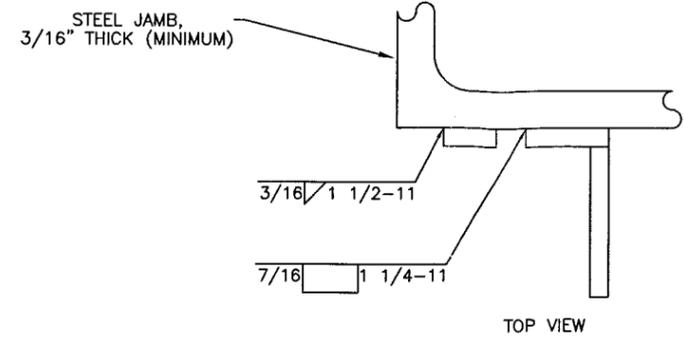
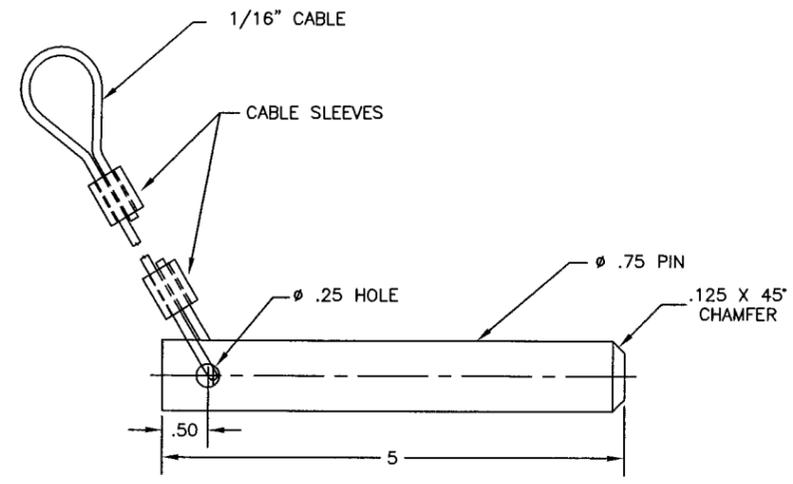
[Signature]
 8/25/10

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

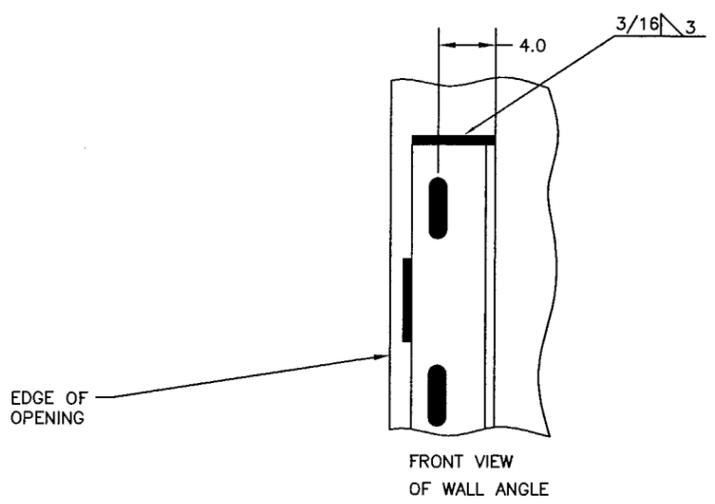
UNLESS OTHERWISE SPECIFIED			OVERHEAD DOOR		NAME		DATE	
DIMENSIONS ARE IN INCHES-TOLERANCES ON DECIMAL DIMENSIONS	HOLE DIMETERS	ANGLES ± 0° 30'	DALLAS, TEXAS		DRAWN BY:		8/9/01	
±.03	UNDER .251-1.251-2.023	FRACTIONS ± 1/16"	the original since 1921		B. STRYKER		8/10/01	
±.005	2.511 TO 2.509-2.023		MATERIAL:		CHECKED BY:		8/10/01	
	OVER 2.004-2.023		N/A		D WELLS		8/10/01	
			APPLIED FINISH:		APPROVED BY:		8/10/01	
			N/A		D WELLS		8/10/01	
			UNIT OF MEASURE:		DRAWING NUMBER		D = 308028	
			N/A		SCALE: NOTED		SHEET 2 OF 4	

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
A	REV PER EN 20807	6/16/06	LK
B	REV PER EN 20814	6/30/06	LK
C	REV PER ER 500962	8/25/10	SFT

PIN DETAIL



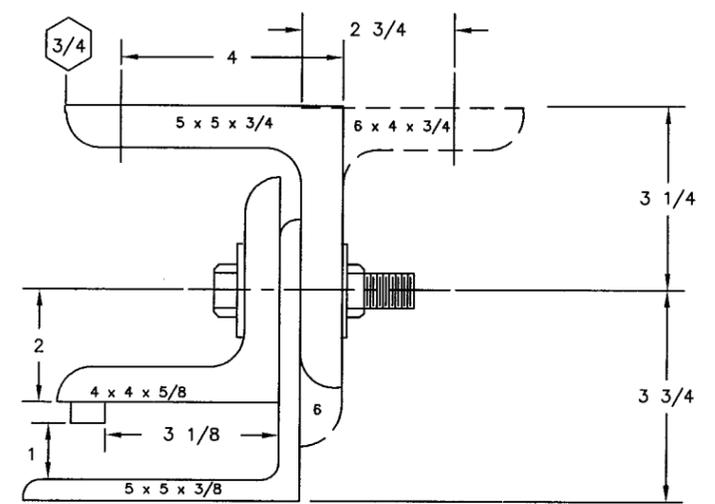
TOP VIEW



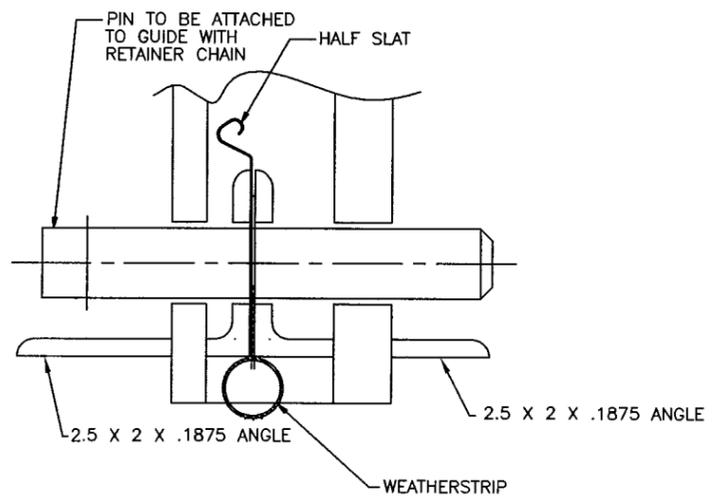
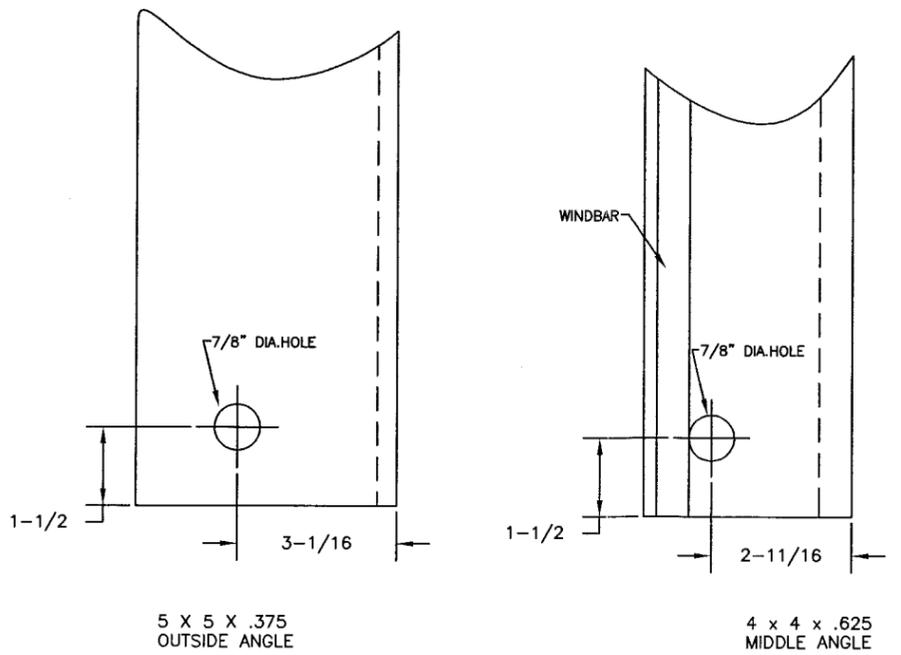
FRONT VIEW OF WALL ANGLE

DETAILS FOR WELDING "E" GUIDES TO STEEL JAMBS

DETAILS FOR MOUNTING "Z" GUIDES TO MASONRY JAMBS



GUIDE HOLE LOCATION DETAILS



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-0831-09
 Expiration Date 08/23/2011
 By *[Signature]*
 Miami Dade Product Control
 Division

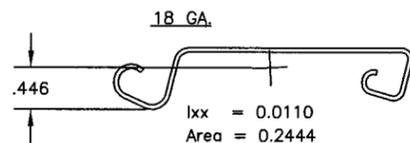
[Signature]
 8/25/10

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	
DIMENSIONS ARE IN INCHES-TOLERANCES ON DECIMAL DIMENSIONS	HOLE DIAMETERS	ANGLES & 0° 30'	DALLAS, TEXAS		DRAWN BY:		DATE	
.05 - .05	UNDER .251+.004-.003	FRACTIONS ± 1/16"	the original since 1921		B. STRYKER		8/9/01	
.001 - .005	OVER .250+.004-.003		MATERIAL:		CHECKED BY:		DATE	
			APPLIED FINISH:		D WELLS		8/10/01	
			UNIT OF MEASURE:		APPROVED BY:		DATE	
			N/A		D WELLS		8/10/01	
			DRAWING TITLE:		DRAWING NUMBER		SCALE: NONE	
			SERIES 610/620, ROLLING SERVICE DOOR, DADE COUNTY		D - 308028		SHEET 3 OF 4	

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
A	REV PER EN 20807	6/16/06	LK
B	REV PER EN 20814	6/30/06	LK
C	REV PER ER 500962	8/25/10	SET

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 FT.

D = CURTAIN DEFLECTION

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

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

D = 25.52 IN.

S_y = YIELD STRESS OF SLAT MATERIAL

S_y = 40,000 PSI

E = MODULUS OF ELASTICITY

E = 29,000,000 PSI

Q_b = WINDLOAD HELD IN BENDING

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

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

Q_b = 3.06

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

Q_b = 4.05

Q = 68.9 PSF

Q_t = WINDLOAD HELD IN TENSION

Q_t = Q - Q_b

Q_t = 68.9 - 3.06

Q_t = 65.64 PSF

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

T_e = 2958 LB/FT.

T_f = THRUST LOAD ON GUIDES PER FOOT OF HEIGHT.

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

T_f = 931 LB/FT.

T_s = TENSION/SLAT

T_s = 2958/4.494

T_s = 988 LB/SLAT

M_R = MAXIMUM RESULTANT MOMENT APPLIED TO JAMB

M_R = 2985 (5.625) + 9311

M_R = 21,178 IN x 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

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

A_R = 0.047 IN²

S_s = SHEAR STRESS ACROSS TWO END FASTENERS

S_s = T_s / (2 x A_R)

S_s = 988 / (2 x 0.047)

S_s = 10,510 PSI

WINDBAR WELDS

A_w = AREA OF WELD

A_w = LENGTH x FILLET WIDTH

A_w = (2)(0.1875)

A_w = 0.375 IN²

S_w = SHEAR STRESS ACROSS WELD

S_w = (3 IN)(1 FT/12 IN)(2958 LB/FT) / (0.375 IN²)

S_w = 1972 PSI

WALL ATTACHMENT BOLTS

STEEL JAMB-POSITIVE WINDLOAD

R_b = WALL ATTACHMENT BOLT REACTION

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

R_b = 14,612 LB.

STEEL JAMB-NEGATIVE WINDLOAD

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

R_b = 15,146 LB.

CONCRETE JAMB-POSITIVE WINDLOAD

R_b = (9/12)[295.8(5.625) - 931(5)]/2.75

R_b = 3,269 LB.

CONCRETE JAMB-NEGATIVE WINDLOAD

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

R_b = 5,586 LB.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-0831.09
Expiration Date 08/23/2011
By *[Signature]*
Miami Dade Product Control
Division

[Signature]
8/25/10

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

UNLESS OTHERWISE SPECIFIED			OVERHEAD DOOR [®] DALLAS, TEXAS		NAME	DATE	DRAWING TITLE
DECIMAL DIMENSIONS	HOLE DIAMETERS	ANGLES ± 0° 30'	DRAWN BY:	B.STRYKER	8/9/01	SERIES 610/620, ROLLING SERVICE DOOR DADE COUNTY	
3/16" ± .03	UNDER .251±.004-.003	FRACTIONS ± 1/16"	CHECKED BY:	D WELLS	8/10/01		
.0005 ± .000	.251 TO .250±.000-.003	OVER .500±.008-.003	APPLIED FINISH:	UNIT OF MEASURE:	N/A	DRAWING NUMBER	D - 308028
						APPROVED BY:	D WELLS
						DATE	8/10/01
						SCALE	NONE
						SHEET	4 OF 4