



**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

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 and accepted by Miami-Dade County BNC -Product Control Section 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 Section (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. BNC reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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. **308028**, titled "Series 610/620 Rolling Service Door Dade County", Sheets 1 through 4 of 4, dated 08/10/01, prepared by Overhead Door Corporation, signed and sealed by LeRoy G. Krupke, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model/series number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

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 **renews NOA # 10-0831.09** 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]
10/6/01/11

NOA No. 11-0419.05
Expiration Date: August 23, 2012
Approval Date: June 09, 2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

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

B. TESTS

1. 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"*

"Submitted under NOA # 01-0529.06"
2. 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.
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.

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 and Neighborhood Compliance Department (BNC)

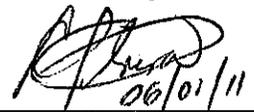
E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Testing contract letter issued by Hurricane Engineering & Testing, Inc., dated 03/14/11 and signed by Dr. Nasreen K. Ali

"Submitted under NOA # 01-0529.06"
2. 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.
3. Test Compliance letter issued by Architectural Testing, Inc., on 05/09/01, signed and sealed by A. N. Reeves, P.E.

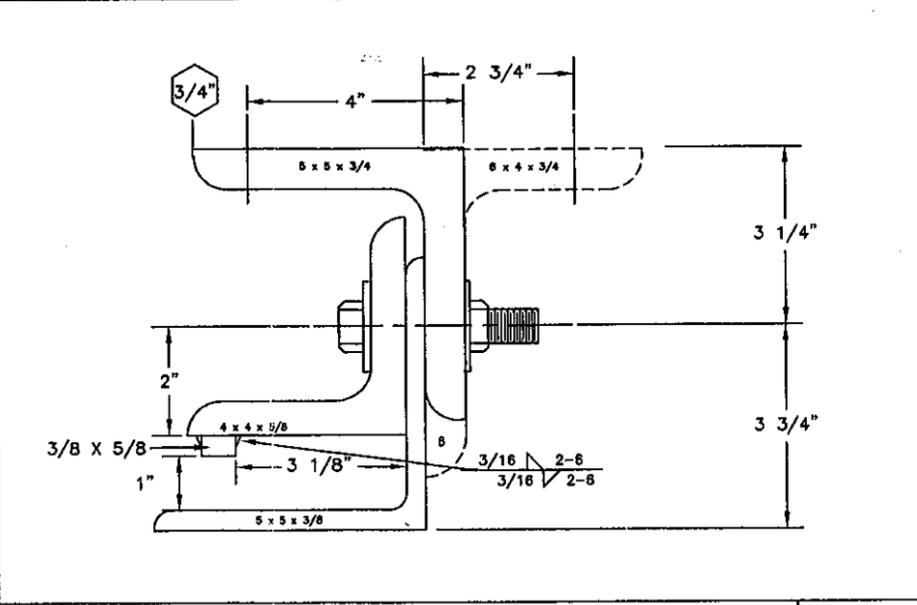
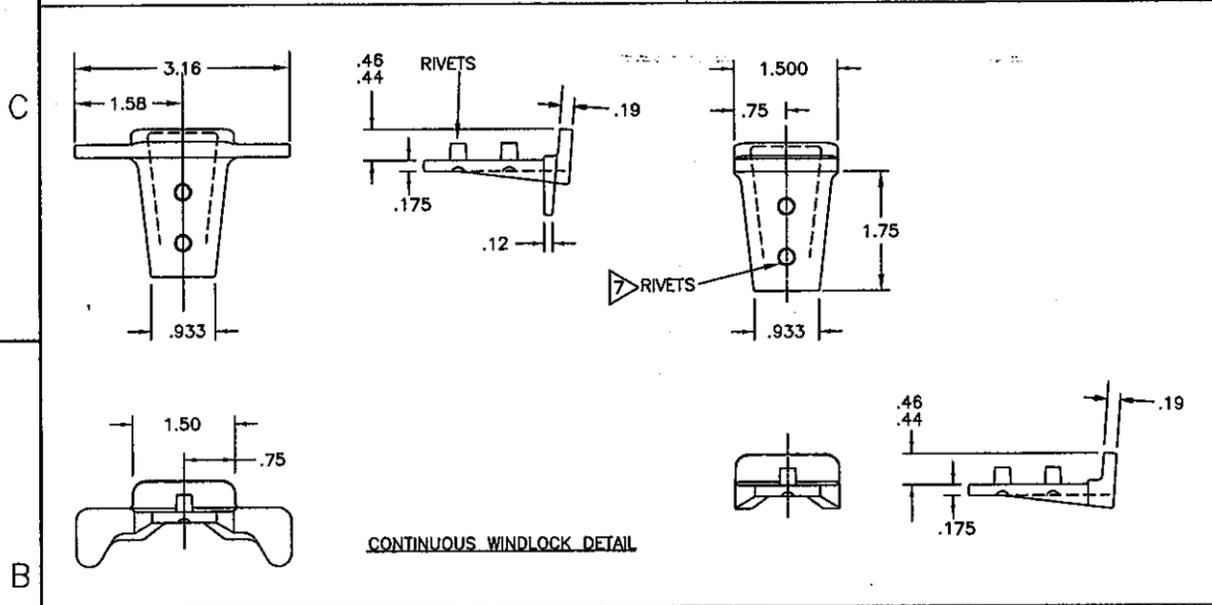
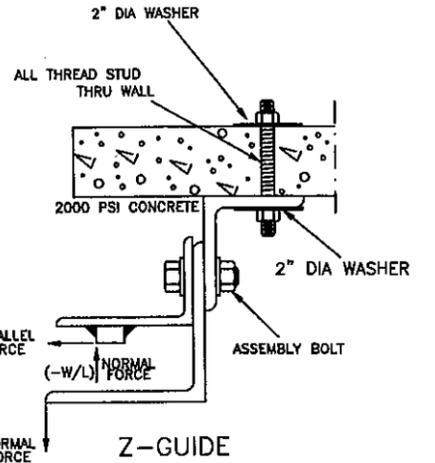
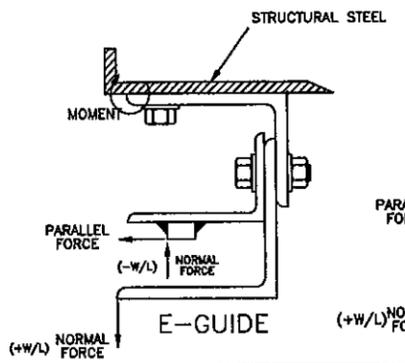
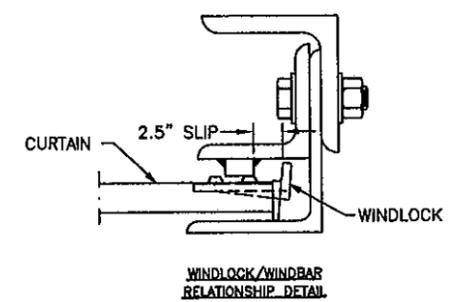
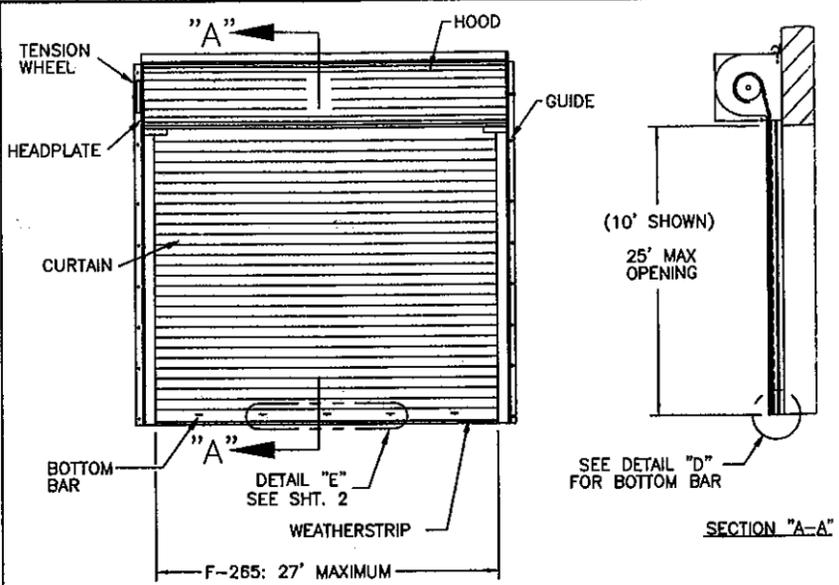


Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 11-0419.05

Expiration Date: August 23, 2012
Approval Date: June 09, 2011

SHEET REV RECORD					REVISIONS			
REV	DESCRIPTION	DATE	APPROVAL	ER	REV	DESCRIPTION	DATE	APPROVAL
4	C	C	C	1	C	REV PER EN 20814	6/30/06	LK
3	C	C	C	2	D	REV PER ER	3/7/11	SFT
2	C	C	C	3	E	REV PER ER		
1	C	C	C	4				

- NOTES
- (-W/L) = NEGATIVE WINDLOAD
(+W/L) = POSITIVE WINDLOAD
 - 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.
 - RATED DESIGN LOAD ±68.9 PSF.
 - CURTAIN MATERIAL: ASTM A-653 CS TYPE B. GUIDE MATERIAL: ASTM A-36
 - CURTAIN SHALL BE GALVANIZED ACCORDING TO ASTM A-525 TO G40 MINIMUM.
 - TESTED IN ACCORDANCE WITH DADE COUNTY PROTOCOLS PA 201-94, PA 202-94, AND PA 203-94.
 - RIVET SPECIFICATIONS:
1/4" DIAMETER RIVET, MINIMUM 1006 LOW-CARBON STEEL.
 - WINDLOCK MATERIAL: LOW CARBON CAST STEEL, GRADE 70-46 (485-250) PER ASTM A27. MIN TENSILE 70-KSI MIN YIELD 38-KSI. MIN ELONG 22%
 - WINDLOCKS ATTACHED TO EACH SLAT (CONTINUOUS)



F-265 - DOOR SIZE REF. SUMMARY

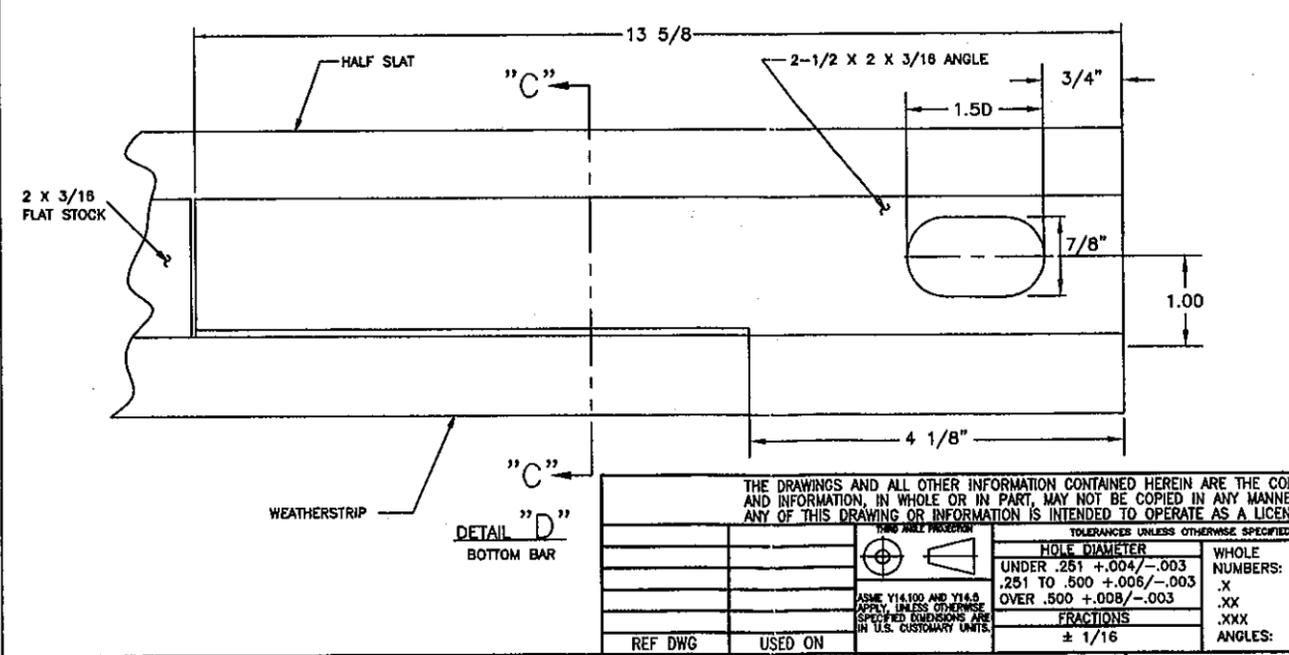
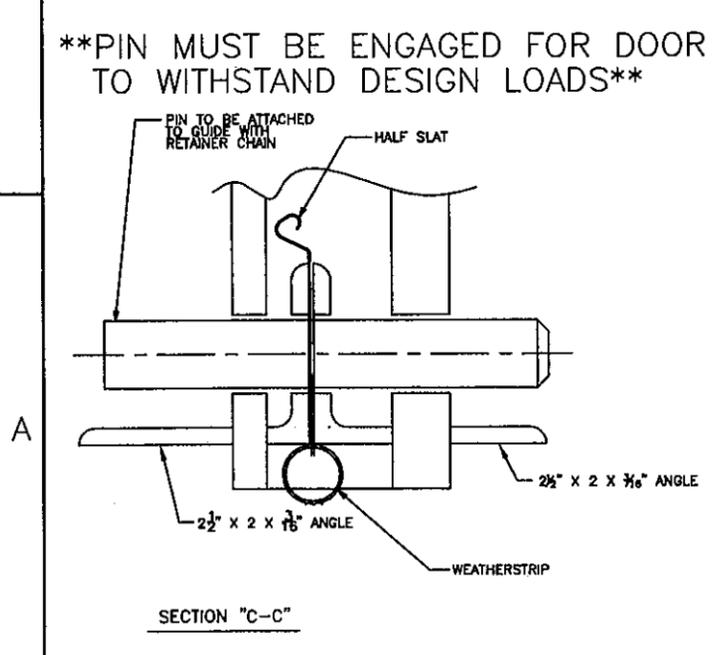
F-265 18 GA	LOADS *	
	"E"-GUIDES	"Z"-GUIDES
MOMENT	21,178	20,479
NORMAL	931	931
PARALLEL	2958	2958

* LOADS - PER FOOT OF HEIGHT

ASSEMBLY BOLT	E GUIDE		Z GUIDE
	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.	3/4" THRU BOLTS GRADE 2 9" O.C.

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

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 11-0919.05
Expiration Date 08/23/2012
By *[Signature]*
Miami Dade Product Control



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

2 11/16" 18 GA
21/32"

[Signature]
3/28/11

SERIES 611/621 ARE EQUIVALENT CONSTRUCTION

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

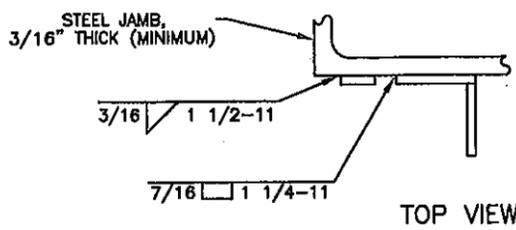
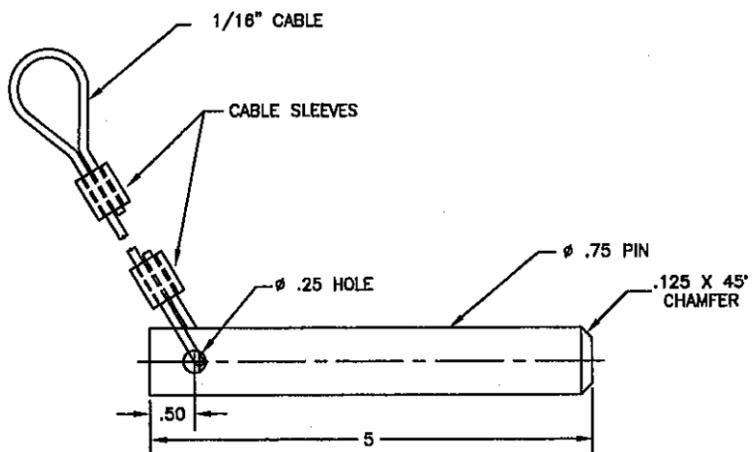
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REF DWG	USED ON	HOLE DIAMETER	WHOLE NUMBERS:	FINISH	DATE	DRAWING TITLE
		UNDER .251 +.004/-0.003	± .25		8/9/01	SERIES 610/620 ROLLING SERVICE DOOR
		.251 TO .500 +.006/-0.003	± .1		8/10/01	DADE COUNTY
		OVER .500 +.008/-0.003	± .03		8/10/01	DRAWING NUMBER D-308028
		FRACTIONS	± .010	UNIT OF MEASURE		SCALE: NONE
		± 1/16	± .5			SHEET 1 OF 4

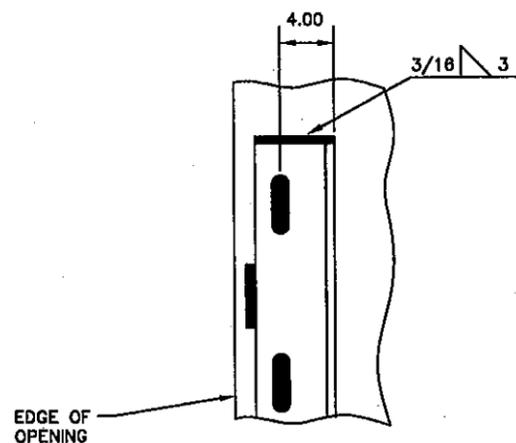
NOTES

REVISIONS				
REV	DESCRIPTION	DATE	APPROVAL	
A	REV PER EN 20807	6/16/06	LK	
B	REV PER EN 20814	6/30/06	LK	
500892 C	REV PER ER	3/7/11	SFT	

PIN DETAIL

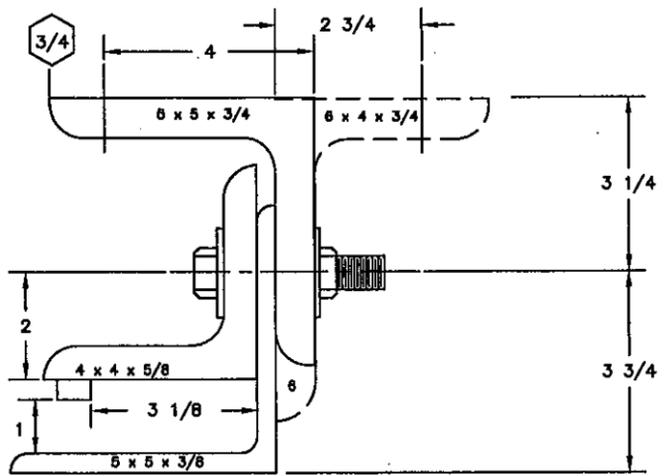


TOP VIEW

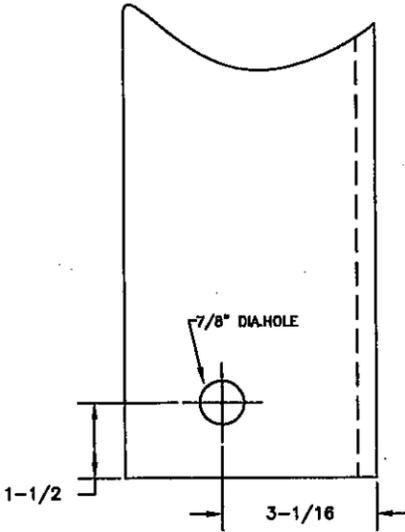


FRONT VIEW OF WALL ANGLE

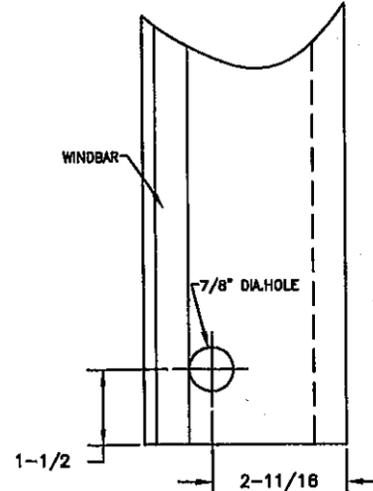
DETAILS FOR WELDING "E" GUIDES TO STEEL JAMBS



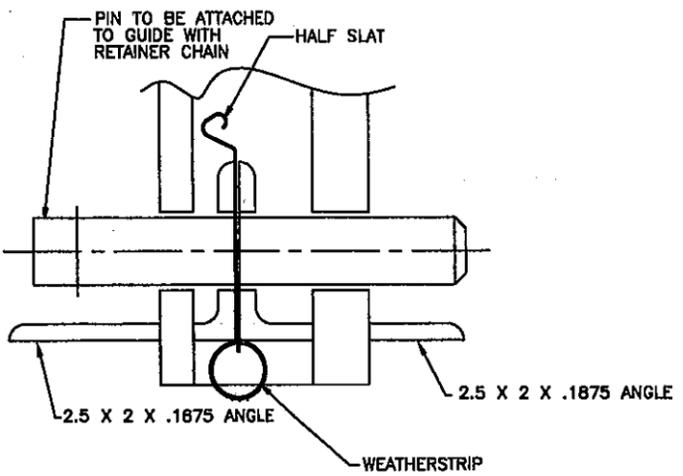
GUIDE HOLE LOCATION DETAILS



5 X 5 X .375 OUTSIDE ANGLE



4 X 4 X .625 MIDDLE ANGLE



PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No 11-0919.05
 Expiration Date 08/23/2012
 By *[Signature]*
 Miami Dade Product Control

[Signature]
 3/28/11

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

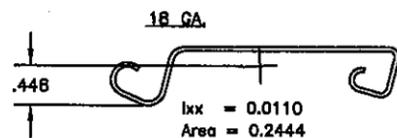
LeROY G. KRUPKE, P.E. #36580

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REF DWG	USED ON		TOLERANCES UNLESS OTHERWISE SPECIFIED			FINISH		DATE	DRAWING TITLE
			HOLE DIAMETER	WHOLE NUMBERS:	ANGLES:				
			UNDER .251 +.004/- .003	.X ± .1	± .5°		8/9/01	SERIES 610/620, ROLLING SERVICE DOOR	
			.251 TO .500 +.006/- .003	.XX ± .03			8/10/01	DADE COUNTY	
			OVER .500 +.008/- .003	.XXX ± .010			8/10/01	D-308028	
			FRACTIONS					SCALE NONE	
			± 1/16					SHEET 3 OF 4	

NOTES

REVISIONS				
REV	DESCRIPTION	DATE	APPROVAL	
A	REV PER EN 20807	8/18/08	LK	
B	REV PER EN 20814	6/30/08	LK	
C	REV PER ER	3/7/11	SFT	

CALCULATIONS:



CURTAIN SLAT PITCH = 2.67 IN. OR 4.484 SLATS PER FOOT, PROPERTIES ON A PER FOOT BASIS:

	I(IN ⁴)	A(IN ²)	C(IN)
18 GA.	0.0484	1.0983	0.448

CALCULATIONS SHOWN FOR 18 GA. SLAT.

WINDLOCK SLIP DISTANCE = 2.50 IN./SIDE

W= DOOR WIDTH

W = 27 FT.

D = CURTAIN DEFLECTION

D = [(2825 x W) / 272] (WINDLOCK SLIP)^{1/2}

D = [(2825 x 27) / 272] (2.50)^{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 = 2EID / 45W² OR 2S_yL / 3W²C (LESSER VALUE)

Q_b = 2(29,000,000)(0.0484)(25.52) / 45(27)

Q_b = 3.06

Q_b = 2(40,000)(0.0484) / 3(27²)(0.448)

Q_b = 4.05

Q = 68.9 PSF

Q_t = WINDLOAD HELD IN TENSION

Q_t = Q - Q_b

Q_t = 68.9 - 3.08

Q_t = 65.84 PSF

T_s = 3Q_tW² / 2D [1 + D² / 8W²]^{1/2}

T_s = 2958 LB/FT.

T_r = THRUST LOAD ON GUIDES PER FOOT OF HEIGHT.

T_r = Q x W / 2

T_r = 931 LB/FT.

T_s = TENSION/SLAT

T_s = 2958 / 4.484

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: CRUSHEO 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 = (π - D²) / 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 IN)²

S_w = 1972 PSI

WALL ATTACHMENT BOLTS

STEEL JAMB-POSITIVE WINDLOAD

R_s = WALL ATTACHMENT BOLT REACTION

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

R_s = 14,612 LB.

STEEL JAMB-NEGATIVE WINDLOAD

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

R_s = 15,146 LB.

CONCRETE JAMB-POSITIVE WINDLOAD

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

R_s = 3,289 LB.

CONCRETE JAMB-NEGATIVE WINDLOAD

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

R_s = 5,566 LB.

PRODUCT RENEWED as complying with the Florida Building Code Acceptance No 11-0419.05 Expiration Date 08/23/2012 By [Signature] Miami Dade Product Control

[Signature] 3/28/11

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

LeROY G. KRUPKE, P.E. #38560

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REF DWG	USED ON	HOLE DIAMETER UNDER .251 +.004/-0.03 .251 TO .500 +.008/-0.03 OVER .500 +.008/-0.03	WHOLE NUMBERS: ± .25 .X ± .1 .XX ± .03 .XXX ± .010 ANGLES: ± .5°	FINISH 5	UNIT OF MEASURE N/A	MATERIAL 4	NAME	DATE	DRAWING TITLE
							DRAWN BY B.STRYKER	8/9/01	SERIES 810/820, ROLLING SERVICE DOOR DADE COUNTY
							CHECKED BY D WELLS	8/10/01	DRAWING NUMBER D-308028
							APPROVED BY D WELLS	8/10/01	SCALE: NONE SHEET 4 OF 4