



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.miamidade.gov/buildingcode

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 625 Steel Rolling Door 16'-0" Wide

APPROVAL DOCUMENT: Drawing No. **D-308124**, titled "Series 635 Rolling Service Door 16' Dade County", Sheets 1 through 3 of 3, dated 09/05/03 and 10/10/03, with Revision G 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 # 09-0324.08 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]
 11/02/10

NOA No. 10-0831.10
Expiration Date: October 14, 2014
Approval Date: November 24, 2010
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **D-308124**, titled "Series 635 Rolling Service Door 16' Dade County", Sheets 1 through 3 of 3, dated 09/05/03 and 10/10/03, with Revision G dated 08/25/10, prepared by Overhead Door Corporation, signed and sealed by LeRoy G. Krupke, P.E.

B. TESTS "Submitted under NOA # 05-1003.21"

1. Test report on Uniform Static Air Pressure Test 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 01-43464.02, dated 09/05/03 signed and sealed by L. G. Krupke, P.E.
2. Test report # 3061869-001r1 on Surface Burning characteristics per ASTM E84 on slats insulated with 2lb polyurethane foam, prepared by Intertek, dated 07/13/04 and signed by J. Tanner.
3. Test report # 17042-120730 of Ignition Properties per ASTM D1929 on Polyurethane Foam insulation, prepared by Omega Point Laboratories, dated 09/12/04, signed and sealed by W. E. Fith, P.E.
4. Test report # ETL 9100550287 of Salt Spray Fog Test 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 "Submitted under NOA # 05-1003.21"

1. Calculations for Dade County Product Approval of 24, 22, 20 & 18 Gauge Rolling Garage Door, prepared by Overhead Door Corporation on sheet 2 of 3, signed and sealed by LeRoy G. Krupke, P.E. on 09/16/05.

D. QUALITY ASSURANCE

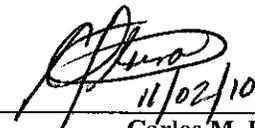
1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Code compliance (FBC 2007) and No interest letter prepared by Overhead Door Corporation, dated 04/20/09, signed and sealed by LeRoy G. Krupke, P.E.
"Submitted under NOA # 09-0324.08"



Carlos M. Utrera, P.E.

Product Control Examiner

NOA No. 10-0831.10

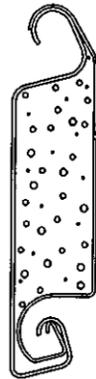
Expiration Date: October 14, 2014

Approval Date: November 24, 2010

REVISIONS			
LETTER	DESCRIPTION	DATE	APPROVAL
D	REV PER EN 20807	6/16/06	LK
E	REV PER EN 20814	6/30/06	LK
F	REV PER ER 500692	2/14/10	SPT

CALCULATIONS:

24, 22, 20 AND 18 GA



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)
24 GA.	0.0796	0.5613	0.392
22 GA.	0.0858	0.7015	0.403
20 GA.	0.0948	0.8422	0.418
18 GA.	0.1101	1.0965	0.439

CALCULATIONS SHOWN FOR 24 GA. SLAT.

WINDLOCK SLIP DISTANCE = 0.875"/SIDE

W = DOOR WIDTH

W = 16 FT.

D = CURTAIN DEFLECTION

$D = [(.75 \cdot .12 \cdot W)(\text{WINDLOCK SLIP})]^{1/2}$

$D = [(.75 \cdot .12 \cdot 16)(0.875)]^{1/2}$

D = 11.22 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

$Q_b = \frac{2EI D}{45W^4}$ OR $\frac{2S_y I}{3WC}$ (LESSER VALUE)

$Q_b = \frac{2(29,000,000)(0.0796)(11.22)}{45(16)^4}$

Q_b = 17.56

$Q_b = \frac{2(40,000)(0.0796)}{3(16^2)(0.392)}$

Q_b = 21.15

Q = 65 PSF

Q_r = WINDLOAD HELD IN TENSION

Q_r = Q - Q_b

Q_r = 65 - 17.56

Q_r = 46.07 PSF

$T_e = \frac{3Q_r W^2}{2D}$

T_e = 1623 LB/FT.

T_f = THRUST LOAD ON GUIDES PER FOOT OF HEIGHT.

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

T_f = 52D LB/FT.

T_s = TENSION/SLAT

T_s = 1623/4.494

T_s = 361 LB/SLAT

M_r = MAXIMUM RESULTANT MOMENT APPLIED TO JAMB (Z-MOUNT)

M_r = 1623(3.562)+520(2.12)

M_r = 6887 IN·LB

M_r = MAXIMUM RESULTANT MOMENT APPLIED TO JAMB (E-MOUNT)

M_r = 1623(3.562)+520(0.75)

M_r = 6172 IN·LB

WINDLOCK FASTENERS

DESCRIPTION: SEMI-TUBULAR OVAL HEAD RIVET

MATERIAL: LOW CARBON STEEL, ZINC OR CADMIUM PLATED

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

A_r = CROSS SECTIONAL AREA/RIVET

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

A_r = 0.047 IN²

S_s = SHEAR STRESS ACROSS TWO END FASTENERS

S_s = T_s/(2 · A_r)

S_s = 361/(2 · 0.047)

S_s = 3840 PSI

WINDBAR WELDS

A_w = AREA OF WELD

A_w = LENGTH · FILLET WIDTH

A_w = (2)(0.1875)

A_w = 0.375 IN²

S_w = SHEAR STRESS ACROSS WELD

S_w = (7 IN)(1 FT/12 IN)(1623 LB/FT)/(0.375 IN²)

S_w = 2525 PSI

WALL ATTACHMENT BOLTS

STEEL JAMB-MAX REACTION

R_b = WALL ATTACHMENT BOLT REACTION

R_b = (12/12)[6172]/1.00

R_b = 6172 LB.

CONCRETE JAMB-MAX REACTION

R_b = (8/12)[6887]/3.25

R_b = 1412 LB.

"S" = W + 7"

SLAT LG = W + 5 1/4"

PIPE LG = W + 3 1/4"

INSULATED BOTTOM BAR LG = W + 2 5/8" (NOT COPED)

WALL ATTACHMENT WELD

A_w = AREA OF WELD

A_w = 2 x 2 x .313 x .707

A_w = .885 IN²

S_w = SHEAR STRESS ACROSS WELD

S_w = 13/12 (1623)/.885

S_w = 1986 PSI

T_w = TENSION STRESS FROM ON WELD FROM BENDING

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

T_w = 13/12 [520/.885 + 6887/ [2 x 2.5 x .313 x .707]]

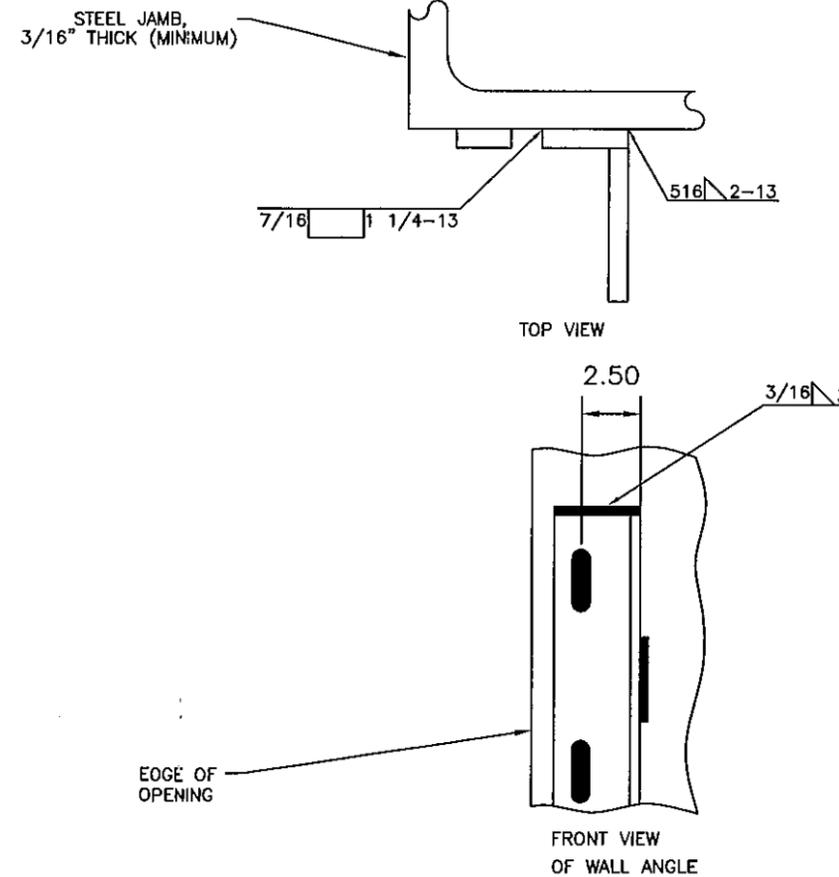
T_w = 7380 PSI

R_w = RESULTANT WELD STRESS

R_w = [T_w² + S_w²]^{1/2}

R_w = [1986² + 7380²]^{1/2}

R_w = 7642 PSI



DETAILS FOR WELDING "E" GUIDES TO STEEL JAMBS

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 10-0831.10 Expiration Date 10/14/2014
By *[Signature]*
Miami Dade Product Control Division

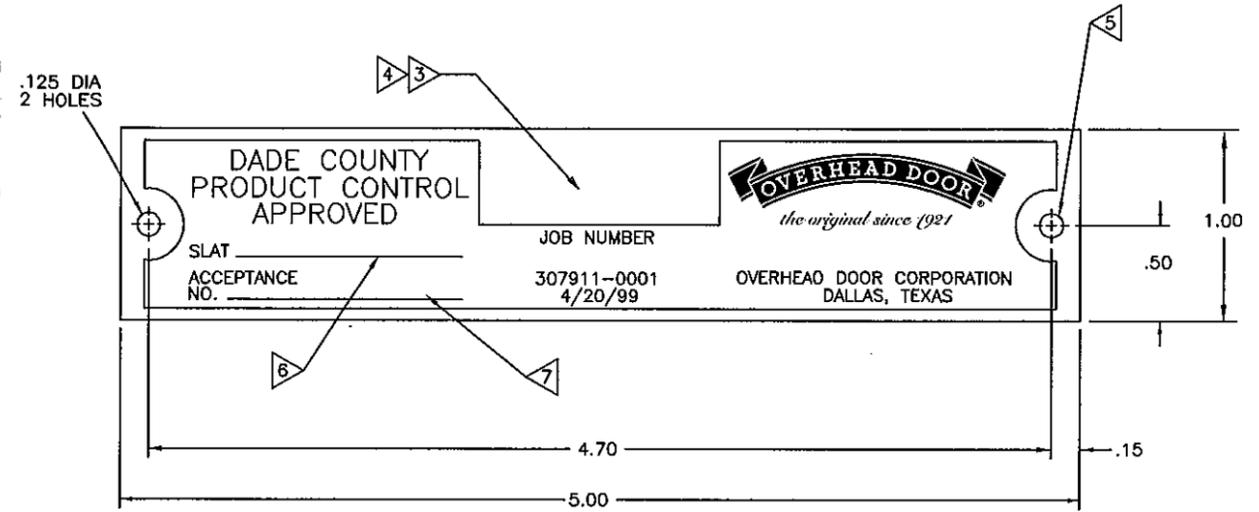
[Signature]
8/28/10

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

UNLESS OTHERWISE SPECIFIED			OVERHEAD DOOR CORPORATION		NAME		DATE		DRAWING TITLE	
DIMENSIONS ARE IN INCHES-TOLERANCES ON DECIMAL DIMENSIONS	HOLE DIAMETERS	ANGLES ± 0° 30'	DALLAS, TEXAS		DRAWN BY: K WILSON		8/8/03		SERIES 625, ROLLING SERVICE DOOR 16' DADE COUNTY	
1/16" ± .002	UNDER .2511-.004-.003	FRACTIONS ± 1/16"	MATERIAL:		CHECKED BY: JD FAW		9/5/03		DRAWING NUMBER: D-308124	
1/32" ± .005	.001 TO .004-.008-.005	OVER .004-.008-.005	APPLIED FINISH:		APPROVED BY: L KRUPKE		9/5/03		SCALE: NONE SHEET 2 OF 3	
			UNIT OF MEASURE: N/A							

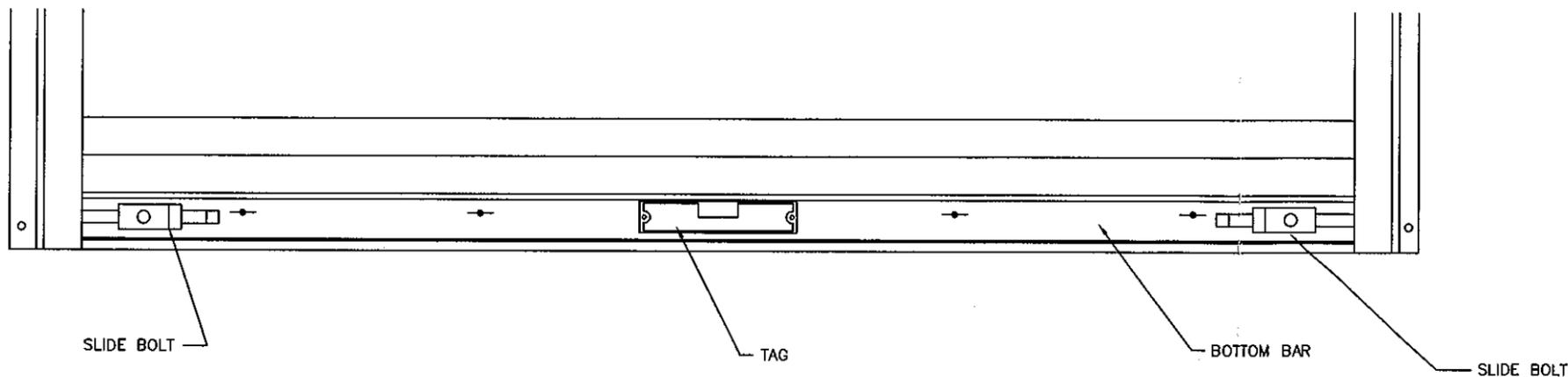
1. MATERIAL: ALUMINUM 3003 H14 (0.03 THICK) WITH TRANSPARENT KELSTRIP COVERING.
2. COLOR: HANSCHY RED CS 2311.
3. STAMP FACTORY ORDER NUMBER HERE.
4. A LETTER MUST BE STAMPED ON ROLLING FIRE DOORS TO IDENTIFY MANUFACTURING PLANT (I.E., USE "P" FOR PENNSYLVANIA).
5. FASTENER FOR TAG IS P/N 080276-1004(STEEL 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
B	REV PER EN 20807	6/16/08	LK
C	REV PER EN 20814	6/30/08	LK
D	REV PER ER 500692	8/25/10	SKT



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

SCALE: 2/1



DETAIL "E"

SCALE: 4/1

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-0831.10
 Expiration Date 10/14/2014
 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			DRAWING TITLE	
DIMENSIONS ARE IN INCHES/TOLERANCES ON DECIMAL DIMENSIONS	HOLES DIMENSIONS	ANGLES ± 0° 30'	DALLAS, TEXAS DRAWN BY: M WOMACK CHECKED BY: JD FAW APPROVED BY: L KRUPKE	DATE: 10/10/03 DATE: 10/10/03 DATE: 10/10/03
.001 - .012 .012 - .030 .030 - .060	UNDER .2511.001-.003 .251 TO .2004.008-.003 OVER .2004.008-.003	FRACTIONS ± 1/16"		
MATERIAL: N/A APPLIED FINISH: N/A UNIT OF MEASURE: N/A				