



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

Windsor Door Company
5800 Scott Hamilton Dr. (P.O. Box 8915)
Little Rock ,AR 72209

Your application for Notice of Acceptance (NOA) of:

Model NSF and NSFV Rolling Steel Door 16' 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.: 00-1116.01

EXPIRES: 02/09/2006

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: 03/08/2001

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

This renews and revises the Notice of Acceptance No. 98-1015.01 that was issued on 02/11/1999. It approves a roll-up door 16'-0" wide x 8'-0" through 20'-0" high, as described in Section 2 of this Notice of Acceptance (NOA), designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County. For the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

2. PRODUCT DESCRIPTION

The **Windsor 16' Wide Roll-Up Door** and its components shall be constructed in strict compliance with the following documents: Drawing No. 99-B-020, sheet 1 of 1, titled "Rolling Steel Doors-Model NSF, NSF Up To 16'-0" Wide" prepared by Windsor Door Co., drawn on 09/26/94, with latest revision on 01/31/01. 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 County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

Unit with dimensions equal to or smaller than those shown on the approved drawing shall qualify under this approval.

4. 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.

5. LABELING

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

6. 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 of this NOA, clearly marked to show the components selected for the proposed installation.
 - 6.1.3 Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.



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

Windsor Door company.

ACCEPTANCE No.: 00-1116.01

APPROVED: MAR 0 8 2001

EXPIRES: 02/09/2006

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 Approval", 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 profession.
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 purposes.
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 time. The engineer needs 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 Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE



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

Windsor Door Company.

ACCEPTANCE No. : 00-1116.01

APPROVED: MAR 0 8 2001

EXPIRED: 02/09/2006

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

(For File ONLY. Not part of NOA.)

A. DRAWINGS

1. *Drawing prepared by Windsor Door Company., titled "Rolling Steel Doors – Model NSF, NSF up to 16'-0" wide", Drawing No.99-B-020, dated 09/26/94, with latest revision on 01/31/01, sheets 1 of 1, signed and sealed by W. T. Lindemann, PE.*

B. TESTS

1. *Test report of large missile impact test per PA 201, cyclic wind pressure test per PA 203 and uniform static air pressure test per PA 202 on "Model NSF, NSF Rolling Steel Door", prepared by Construction Research Laboratory, Inc., report No. 6103E, dated 08/18/94, signed and sealed by V. Tolat, PE.*

C. CALCULATIONS

1. *Calculations for the Attachment Guide Angles to Wall or Jamb, dated 08/07/95; pages 1 through 8 (For 12 x10 Door) and pages 1 through 7 (for 16 x 10 Door), signed and sealed by W. T. Lindemann, PE.*

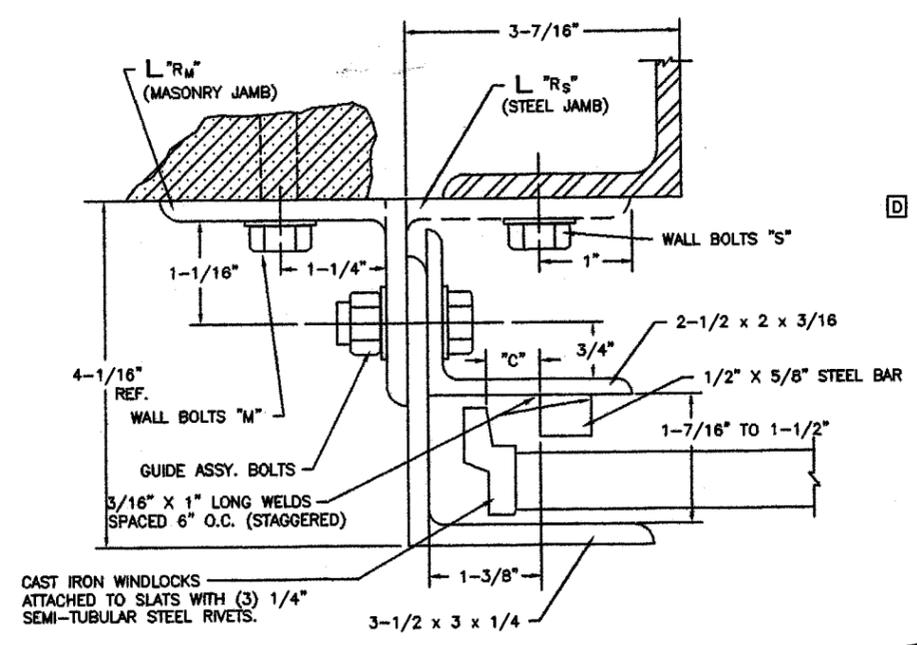
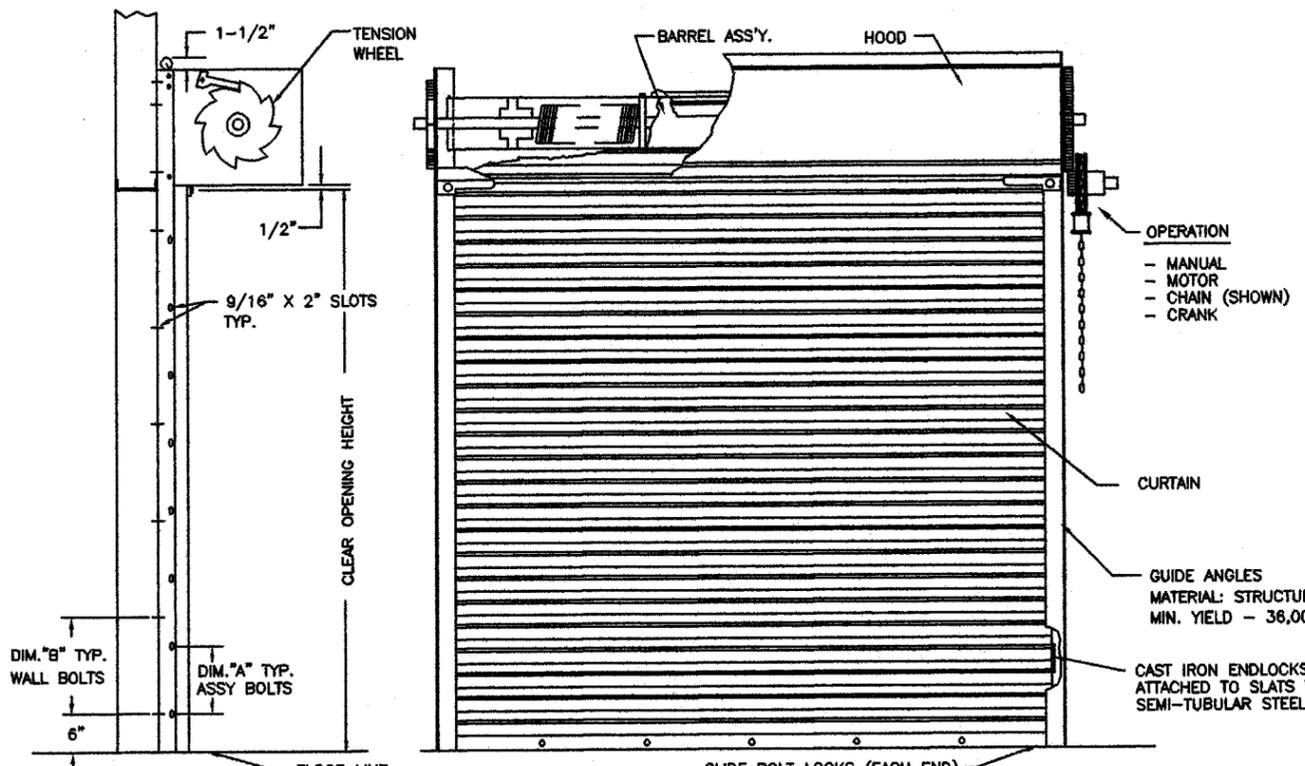
D. MATERIAL CERTIFICATIONS

E. STATEMENTS.

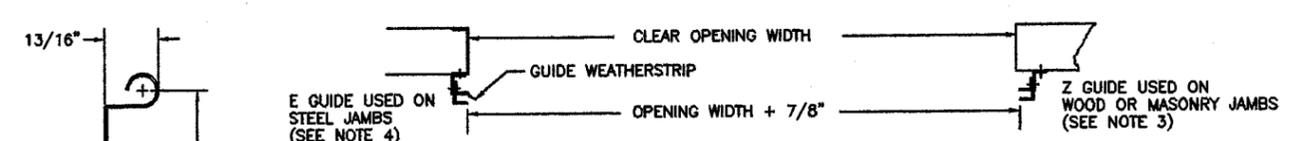
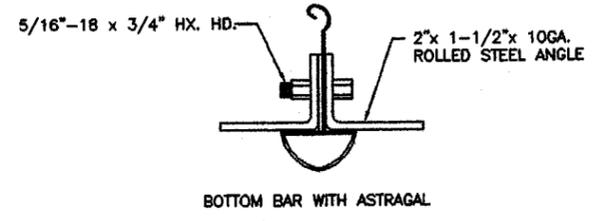
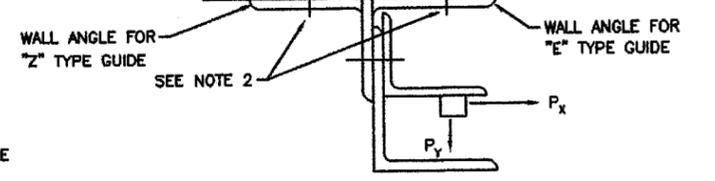
1. *No change letter issued by Windsor Door Company on 01/06/99, signed by G. Robertson, PE.*



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



- NOTES: [E]
- BUILDING MUST WITHSTAND LOADS P_x AND P_y SHOWN IN TABLE BELOW. LOADS ARE LBS. PER LINEAL FOOT OF EACH VERTICAL JAMB.
 - WALL BOLTS "S" AND "M" MUST RESIST FORCES SHOWN IN TABLE BELOW. TESTS HAVE PROVEN THE FOLLOWING FASTENERS ARE SUFFICIENT.
 - WALL BOLT "M": Z GUIDE MAY BE ATTACHED TO CONCRETE OR MASONRY JAMBS WITH THROUGH BOLTS OR WITH CONCRETE ANCHORS SHOWN IN TABLE EMBEDDED INTO 4000 PSI CONCRETE JAMBS.
 - WALL BOLT "S": E GUIDE MAY BE ATTACHED TO STEEL JAMB WITH 1/2" GRADE 5 BOLT AND 7/8" O.D. FLAT WASHER THREADED INTO 1/2" STEEL OR THROUGH BOLTED. ALTERNATIVELY, "E" GUIDE MAY BE ATTACHED TO STEEL JAMB WITH A CONTINUOUS 1/4" WELD AROUND THE INSIDE OF EACH BOLT HOLE SLOT IN THE WALL ANGLE.
 - DOORS ARE DESIGNED TO COMPLY WITH THE 1994 SOUTH FLORIDA BUILDING CODE.



APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
 DATE **MAR 08 2001**
 BY *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE
 ACCEPTANCE NO. **00-1116.01**

WALL BOLTS "M" FOR "Z" TYPE GUIDES (SEE NOTE 3)

DOOR WIDTH	JAMB LOAD (LBS./FT.)		BOLT LOAD (LBS./BOLT)		ANCHOR BOLT			
	P_x	P_y	TENSION	SHEAR	DIA.	EMBEDMENT	DIM. "B"	ANCHOR TYPE
UP TO 12'-0"	707	300	1705	707	1/2"	2.75"	12"	ANKR-TITE/STUD ANCHOR
					1/2"	4.00"	12"	U.S. ANCHOR CORP. KINGPIN WEDGE ANCHOR BOLT
12'-1" TO 16'-0"	1834	400	5816	2751	1/2"	THROUGH	18"	THROUGH BOLT
					1/2"	3.25"	6"	ANKR-TITE/STUD ANCHOR
					1/2"	4.00"	6"	U.S. ANCHOR CORP. KINGPIN WEDGE ANCHOR BOLT

WALL BOLTS "S" FOR "E" TYPE GUIDES (SEE NOTE 4)

DOOR WIDTH	JAMB LOAD (LBS./FT.)		BOLT LOAD (LBS./BOLT)		ANCHOR BOLT		
	P_x	P_y	TENSION	SHEAR	DIA.	TYPE	DIM. "B"
UP TO 12'-0"	707	300	2786	1060	1/2"	GR. 5	18"
12'-1" TO 16'-0"	1834	400	7475	2751	1/2"	GR. 5	18"

SLAT DETAIL
 MATERIAL: 22 GAGE MIN. G-90 GALVANIZED STEEL TO MEET ASTM A448(GRADE A) & A525. MIN. YIELD - 33,000 PSI

OPENING WIDTH	SLAT TYPE	GUIDE ASSY BOLTS SIZE	DIM "A"	WINDLOCK SPACING	ANGLE "R _M " & "R _S "	DIM. "C" SLIPPAGE
UP TO 16'-0"	22 GAGE MIN.	1/2" GR. 5	12" O.C.	EVERY 2nd SLAT	3 x 2-1/2 x 5/16	1/2"

PSF TABLE

DOOR SIZE	DESIGN PRESSURE (LBS./SQ. FT.)	
	POSITIVE	NEGATIVE
UP TO 16'-0"	+43.4	-50.0

DOORS SHOWN ON THIS DRAWING HAVE BEEN DEMONSTRATED TO WITHSTAND THE PRESSURES LISTED IN THE P.S.F. TABLE. THE BUILDING ENGINEER MUST DETERMINE PROPER APPLICATION FROM THE PRESSURE RATINGS LISTED.

W. Lindemann
2/7/01

WILLIAM T. LINDEMANN, P.E.
 Consulting Structural Engineer
 1140 Anderson Street
 Clermont, FL 34711
 (352) 242-0100

REV.	E.C.N.	DATE	APPROV.
F		2280	1/31/01 (KDD)
E		1951	1/5/99 (GDR)
D		1476	8/2/95 (JES)
C		1399	1-12-95 (RLB)
B		1396	1-4-95 (RLB)
A		1393	12-15-94 (RLB)
		1370	9-26-94 (RLB)

WINDSOR DOOR

P.O. BOX 8915
LITTLE ROCK, AR. 72219
(501) 562-1872

ROLLING STEEL DOORS - MODEL NSFV, NSF
UP TO 16'-0" WIDE

SCALE NONE	PLOT SCALE FULL	DATE: 9-26-94	DWG. NO. 99-B-020
		DRN. BY RLB	