



MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING

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

PRODUCT CONTROL NOTICE OF ACCEPTANCE

The Cookson Company
2417 S. 50 Avenue
Phoenix AZ 85043

CONTRACTOR LICENSING SECTION
(305) 375-2527 FAX (305) 375-2558

CONTRACTOR ENFORCEMENT SECTION
(305) 375-2966 FAX (305) 375-2908

PRODUCT CONTROL DIVISION
(305) 375-2902 FAX (305) 372-6339

Your application for Product Approval of:

Rolling Service Steel Door # 45 Slat

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 approval shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at anytime 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 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.: 99-1203.09

Expires: 04/14/2003

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 Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.
Director

Miami-Dade County
Building Code Compliance Office

Approved: 04/14/2000

1 of 3



The Cookson Company

ACCEPTANCE NO: 99-1203.09

APPROVED : APR 14 2000

EXPIRES APR 14 2003

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1.0 SCOPE

1.1 This approves a roll up door with maximum dimensions of 16'-0" wide x 10'-0" through 30'-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 **Cookson Rolling Door** and its components shall be built in strict compliance with the following documents: Drawing No. NPD-0050-02, sheets 1 through 3 of 3, titled "Dade County Wind Door 16'-0" Wide #45 Slat", prepared by Cookson Rolling Doors, dated 01/24/00 and with latest revision on 01/21/00. 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 including duplicate copies of the approved drawings, identified in section 2; clearly marked to show the components selected for the proposed installation.

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



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

The Cookson Company.

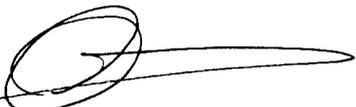
ACCEPTANCE NO : 99-1203.09

APPROVED : APR 14 2000

EXPIRES : APR 14 2003

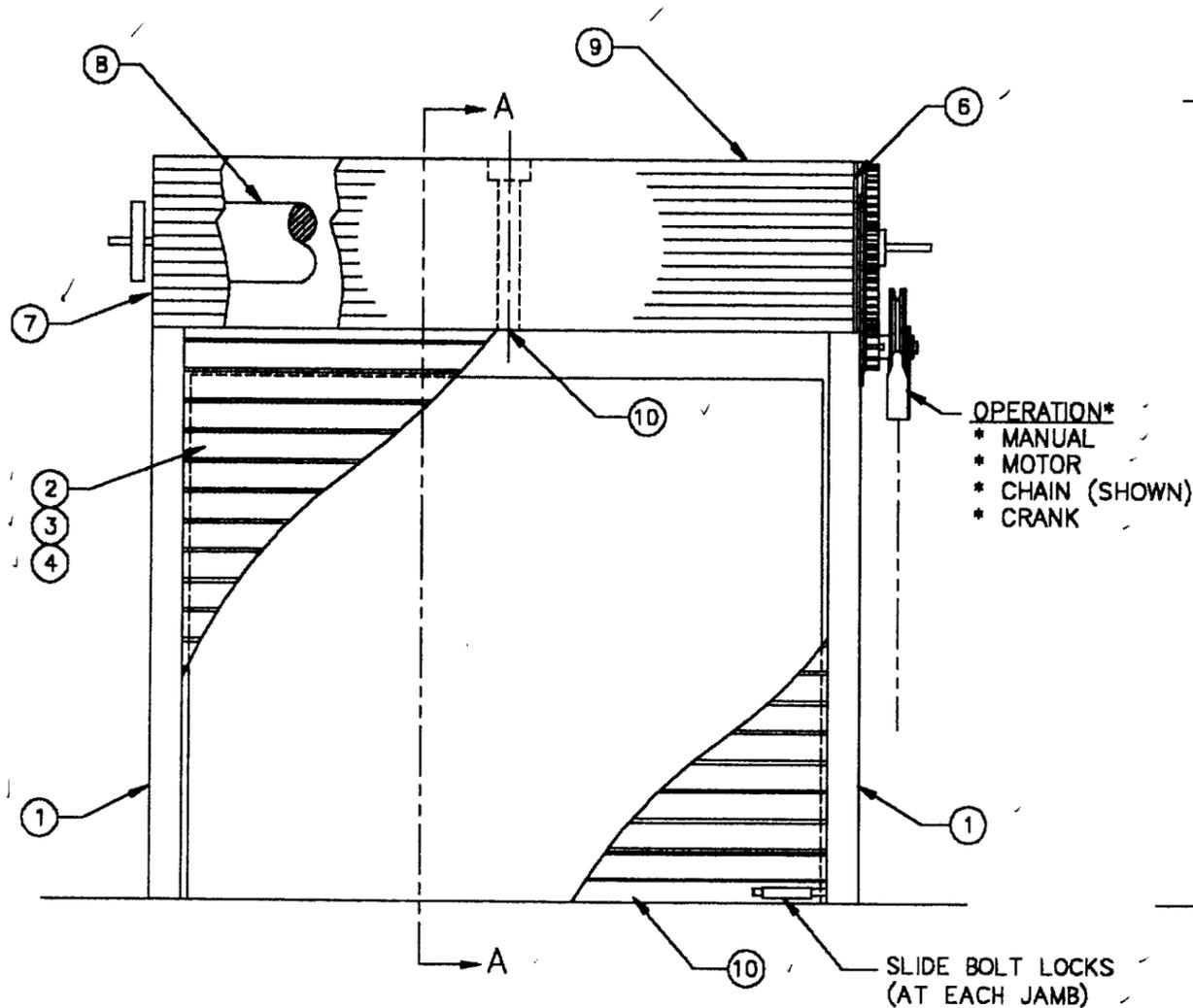
NOTICE OF ACCEPTANCE STANDARD CONDITIONS

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.

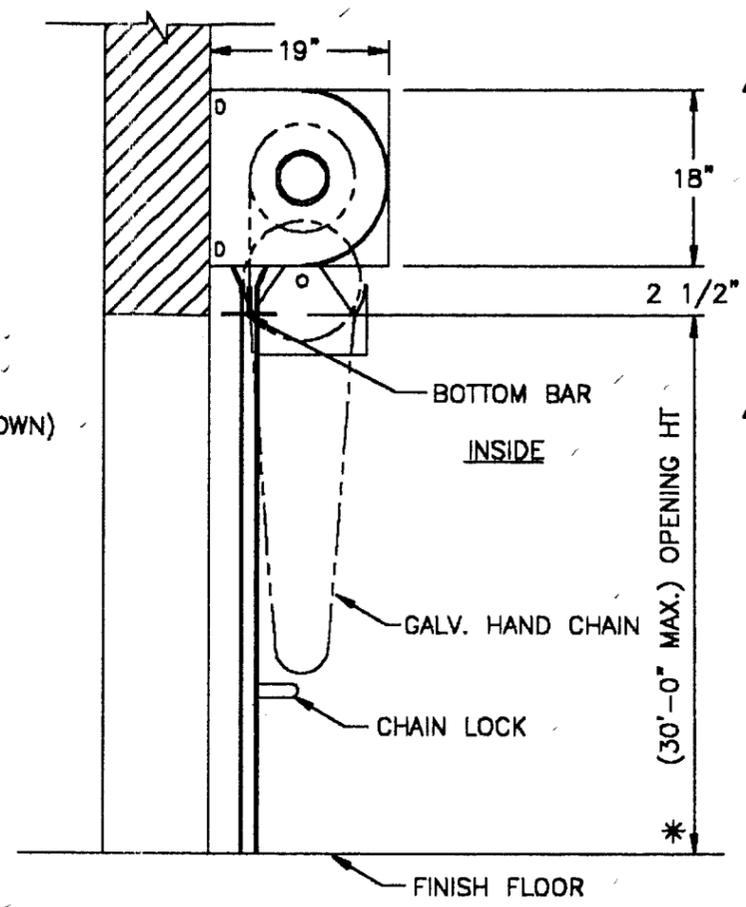


Candido Font, PE, Sr. Product Control Examiner
Product Control Division

END OF THIS ACCEPTANCE



COIL-SIDE ELEVATION



SECTION A-A

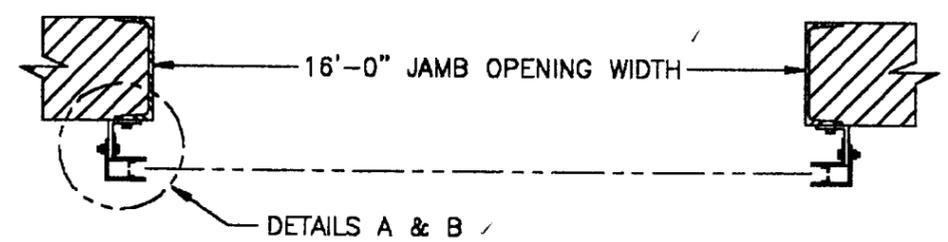
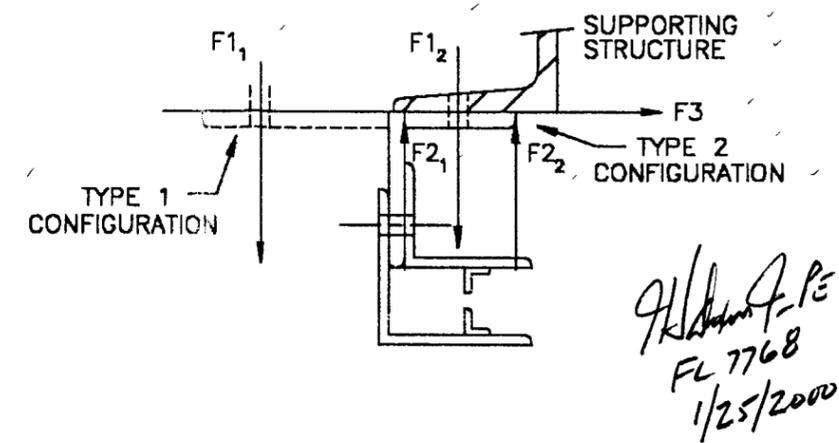


TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	GENERAL NOTES AND ELEVATION
2	CROSS SECTIONS AND DETAILS
3	FORCE TABLE, FASTENER SCHEDULE & PARTS LIST



J.H. Dixon Jr. P.E.
FL 7768
1/25/2000

NOTES:

1. THIS DRAWING HAS BEEN APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE.
2. THIS DOOR HAS BEEN TESTED TO PA 201, PA 202, & PA 203.
3. THE DOOR HAS A DESIGN PRESSURE OF 55lb/sq ft POS & 80lb/sq ft NEG.
4. ANCHOR BOLTS ARE HILTI KWIK BOLT-II INSTALLED ON 3000 PSI CONCRETE.
5. WALL ANGLE BOLTS TO BE GRADE 5.
6. TYPE E80 OR HIGHER ELECTRODES TO BE USED FOR WELDED ATTACHMENT.
7. HOOD IS BOLTED TO BRKT. PLATE WITH #10 TEK SCREWS. INTERMEDIATE SUPPORT IS FURNISHED FOR DOORS OVER 14' WIDE.
8. CURTAIN IS FASTENED TO BARREL WITH 3/8" BOLTS.
9. SLATS ARE COLD ROLLED GALV. STEEL WITH A YIELD STRENGTH OF 53,400 P.S.I.. STRUCTURAL QUALITY, GRADE 50 ASTM A 653.
10. WINDLOCKS ARE CAST DUCTILE IRON, ON ALTERNATE SLATS.
11. WINDLOCKS/ENDLOCKS ARE ATTACHED TO SLATS WITH #3/16" PLATED STEEL RIVETS.
12. WINDLOCK BAR MATERIAL: 1/2" X 1/2" X 1/8" STEEL ANGLES, ASTM A36, (DETAIL A).

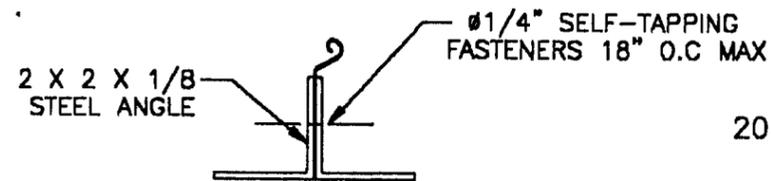
NO.	BY	DATE	REVISION
3			
2			
1	YL	01/21/00	AS NOTED
	YL	10/19/99	ORIGINAL DRAWING

COOKSDN ROLLING DOORS
2417 S. 50th AVENUE
PHOENIX, AZ 85043
800 TULIP DRIVE
GASTONIA, NC 28052

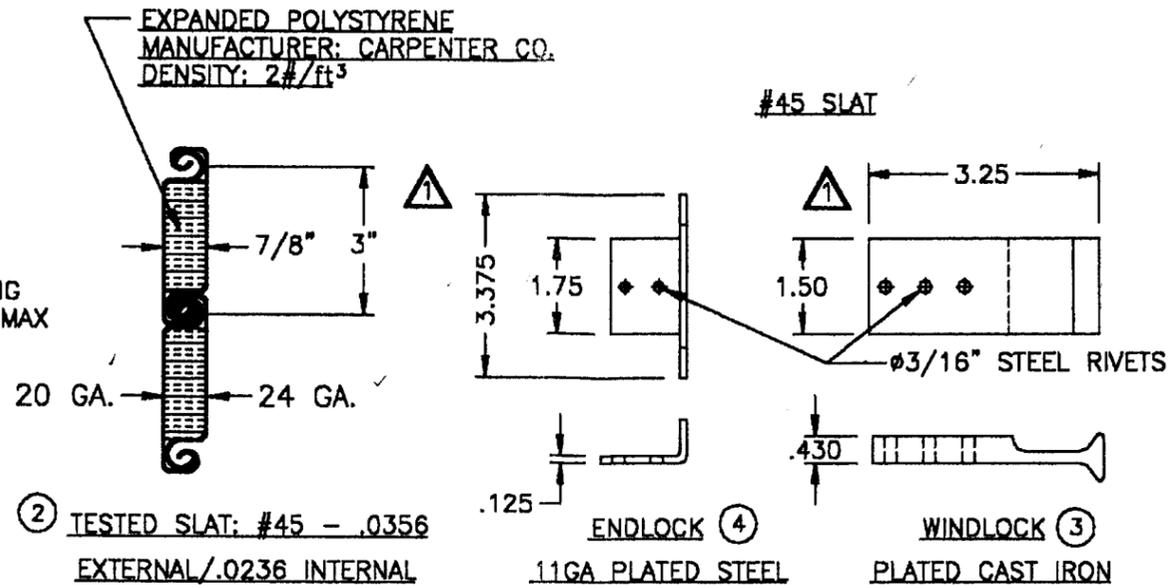
DADE COUNTY TEST DOOR 16'-0" 60/55 PSF	
ENG. NAME: JOSEPH H. DIXON JR.	COOKSDN APPROVAL
DISCIPLINE: STRUCTURAL	BY: <i>J.H. Dixon Jr.</i>
FL REGISTRATION: 7768	DATE: 01/24/00
DRAWING NO. NPD-0050-02	SHEET 1 OF 3

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE
DATE: *April 14, 2000*
BY: *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-1203-09*

DADE COUNTY WIND DOOR 16'-0" WIDE #45 SLAT



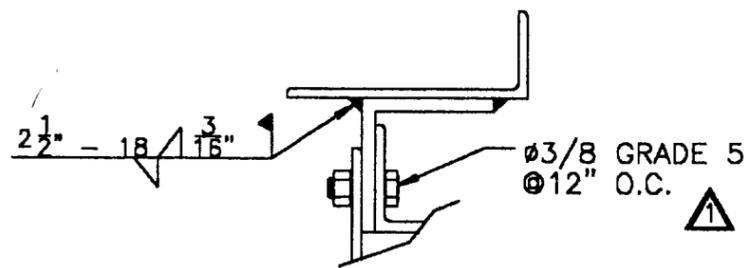
BOTTOM BAR DETAIL ⑤



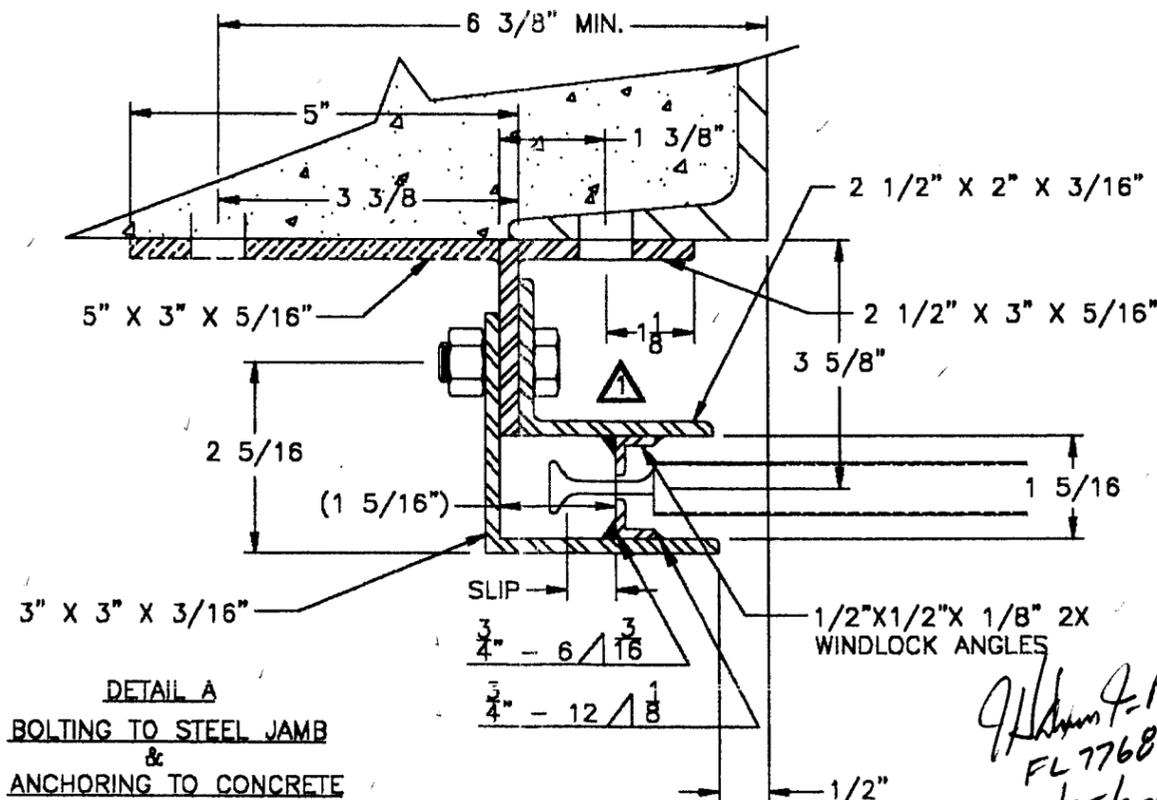
② TESTED SLAT: #45 - .0356
EXTERNAL/.0236 INTERNAL

④ ENDLOCK
11GA PLATED STEEL

③ WINDLOCK
PLATED CAST IRON



DETAIL B
WELDING TO STEEL JAMB
SIM. TO DETAIL A
EXCEPT AS NOTED
(FOR TYPE 2 GUIDE ONLY)



DETAIL A
BOLTING TO STEEL JAMB
&
ANCHORING TO CONCRETE

J. H. Dixon Jr.
FL 7768
1/25/2000

③			
②			
①	YL	01/21/00	AS NOTED
	YL	10/19/99	ORIGINAL DRAWING
NO.	BY	DATE	REVISION

COOKSON ROLLING DOORS
2417 S. 50th AVENUE
PHOENIX, AZ 85043
800 TULIP DRIVE
GASTONIA, NC 28052

DADE COUNTY TEST DOOR 16'-0" 60/55 PSF	
ENG. NAME: JOSEPH H. DIXON JR.	COOKSON APPROVAL
DISCIPLINE: STRUCTURAL	BY: <i>[Signature]</i>
FL REGISTRATION: 7768	DATE: 01/24/00
DRAWING NO. NPD-0050-02	SHEET 2 OF 3

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE: *April 14, 2000*
BY: *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-1203-09*

DADE COUNTY WIND DOOR 16'-0" WIDE #45 SLAT

FORCE ON STRUCTURE (#/FT.)

OPENING WIDTH	△ TYPE 1 GUIDE CONFIGURATION						△ TYPE 2 GUIDE CONFIGURATION					
	POSITIVE (55 PSF)			NEGATIVE (60 PSF)			POSITIVE (55 PSF)			NEGATIVE (60 PSF)		
	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3
UP TO 12'-0"	1344	1012	5	309	671	137	347	15	5	84	446	137
12'-1" TO 16'-0"	1327	885	1422	1974	2456	1625	5062	4620	1422	4800	5283	1625

FASTENER SCHEDULE

OPENING WIDTH	(1) WINDLOCK SPACING	SLIP	GUIDE ANGLE THICKNESS	WALL ANGLE THICKNESS	CONCRETE ANCHOR	MIN EMBEDMENT	(2) WALL ANGLE BOLTS (GRADE 5)	GUIDE ANGLE ASSEMBLY BOLTS
UP TO 12'-0"	2	5/8"	3/16"	5/16"	1/2" @ 14" O.C.	3 1/2"	1/2" @ 18" O.C.	3/8" @ 12" O.C.
12'-1" TO 16'-0"	2	5/8"	3/16"	5/16"	3/4" @ 14" O.C.	4 3/4"	5/8" @ 18" O.C.	3/8" @ 12" O.C.

△ (1) WINDLOCK ON EVERY OTHER SLAT

△ (2) 1 3/8 O.D. X 1/8 THICK WASHER

PARTS LIST

ITEM NO.	DESCRIPTION	QTY.	MATERIAL
1	GUIDE (PAIR)	1	STEEL, ASTM A-36
2	GALVANIZED INSULATED SLAT	AS REQ'D	GALVANIZED STEEL, G90 ASTM A-653 SQ. GRADE 50
3	WINDLOCK	AS REQ'D	DUCTILE CAST IRON, GRADE 65-45-12 ASTM A-536-72
4	ENDLOCK	AS REQ'D	C1018 STEEL, ASTM A-366
5	BOTTOM BAR	1	STEEL, ASTM A-36
6	DRIVE BRACKET ASSEMBLY	1	STEEL, ASTM A-36
7	TENSION BRACKET ASSEMBLY	1	STEEL, ASTM A-36
8	BARREL PIPE/COUNTER BALANCE		STEEL, ASTM A-108, A-229, A-53
9	GALVANIZED HOOD	1	GALVANIZED STEEL, G90 ASTM A-653
10	HOOD SUPPORT	AS REQ'D	STEEL, ASTM A-36

△

*J. H. Dixon Jr. PE
FL 7768
1/25/2000*

NO.	BY	DATE	REVISION
3			
2			
1	YL	01/21/99	AS NOTED
	YL	10/18/99	ORIGINAL DRAWING



COOKSON ROLLING DOORS
2417 S. 50th AVENUE
PHOENIX, AZ 85043
800 TULIP DRIVE
GASTONIA, NC 28052

DADE COUNTY TEST DOOR 16'-0" 60/55 PSF

ENG. NAME: JOSEPH H. DIXON JR.	COOKSON APPROVAL
DISCIPLINE: STRUCTURAL	BY: <i>J. H. Dixon Jr.</i>
FL REGISTRATION: 7768	DATE: 01/24/00

DRAWING NO. NPD-0050-02 SHEET 3 OF 3

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE *April 18, 2000*
BY *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. *99-1203.09*

DADE COUNTY WIND DOOR 16'-0" WIDE #45 SLAT