



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

Efco Corporation
1000 County Road
Monett, MO 65708

Your application for Notice of Acceptance (NOA) of:

Series" D500 Wide Stile" Outswing Aluminum Storefront Doors

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.

Raul Rodriguez
Chief Product Control Division

ACCEPTANCE NO.: 00-1205.04
EXPIRES: 02/08/2006

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: 02/08/2001

Efco Corporation

ACCEPTANCE No. : 00-1205.04

APPROVED : FEB 0 8 2001

EXPIRES : FEB 0 8 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

- 1.1 This approves an aluminum outswing storefront door, as described in Section 2 of this Notice of Acceptance, 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

- 2.1 The Series "D500-Wide Stile" Outswing Aluminum Storefront Door w\ Efco's series 5600 window wall system -Large Missile Impact Resistant and its components shall be constructed in strict compliance with the following documents: Drawing No: 7-0962-9W, titled "D500 Wide Stile Doors" Sheet 1 through 6 of 6 prepared by W.W. Schaefer Engineering, dated 9-27-00 and last revised on 12-21-00, signed and sealed by Richard DiBlasi, P. E. bearing 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

- 3.1 This approval applies to single unit applications of pair of door and single door exclusively to be used with Efco's S5600 window wall system only, as shown in approved drawings. Single door units shall include all components described in the active leaf of this approval.
- 3.2 Unit shall be installed only at locations protected by a canopy or overhang such that the angle between the edge of canopy or overhang to sill is less than 45 degrees. Unless unit is installed in non-habitable areas where the unit and the area are designed to accept water infiltration

4. INSTALLATION

- 4.1 The aluminum outswing storefront doors and its components shall be installed in strict compliance with the approved drawings.
- 4.2 The installation of this product **will not require** a hurricane protection system.

5. LABELING

- 5.1 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".

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 The Notice of Acceptance of Efco's series "5600" Window wall system.
- 6.1.3 Duplicate copies of the approved drawings, as identified in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.
- 6.1.4 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.

Ishaq I. Chanda

Ishaq I. Chanda, P.E., Product Control Examiner
Product Control Division

Efco Corporation

ACCEPTANCE No. : 00-1205.04

APPROVED : FEB 0 8 2001

EXPIRES : FEB 0 8 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 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 Notice of Acceptance consists of pages 1, 2 and this last page 3.

END OF THIS ACCEPTANCE

Ishaq I. Chanda
Ishaq I. Chanda, P.E., Product Control Examiner
Product Control Division

EFCO D500 ENTRANCE DOORS

GLAZING OPTIONS			ALLOWABLE DESIGN PRESSURE	
GLASS TYPE	GLASS THICKNESS	LAYERS	*WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
VIRACON HRG-2	5/8"	1/4" HT. STR./0.05" POLYURETHANE/0.08" POLYCARB/ 0.05" POLYURETHANE/1/4" HT. STR.	NOT APPROVED	+90 PSF/-90 PSF
NEBULA SAFETY PLUS	5/8"	1/4" HT. STR./0.09" RESIN/0.01" P.E.T. 0.09" RESIN/3/16" HT. STR.	NOT APPROVED	+90 PSF/-90 PSF
NEBULA SAFETY PLUS	5/8"	1/4" ANNEALED/0.06" RESIN/0.01" P.E.T. 0.06" RESIN/1/4" ANNEALED	NOT APPROVED	+80 PSF/-80 PSF

*NOTE: WHEN WATER INFILTRATION REQUIREMENT IS NEEDED, UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG SUCH THAT THE ANGLE BETWEEN THE EDGE OF CANOPY OR OVERHANG TO SILL IS LESS THAN 45 DEGREES. UNLESS UNIT IS INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT AND THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION.

FASTENER REQUIREMENTS		
FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DISTANCE
NO. 24 PL-FH WOOD SCREW	2 1/2"	1 1/2"
3/8" FH CS KWIK BOLT II	1 5/8"	3"
1/4-14 PH-FH TEK SCREW SAE GRADE-5	FULL	3/4"

NOTE: EFCO'S S5600 CURTAIN WALL IS UNDER A SEPARATE NOTICE OF ACCEPTANCE. CONTACT EFCO CORPORATION FOR INFORMATION FOR EFCO'S S5600 CURTAIN WALL.

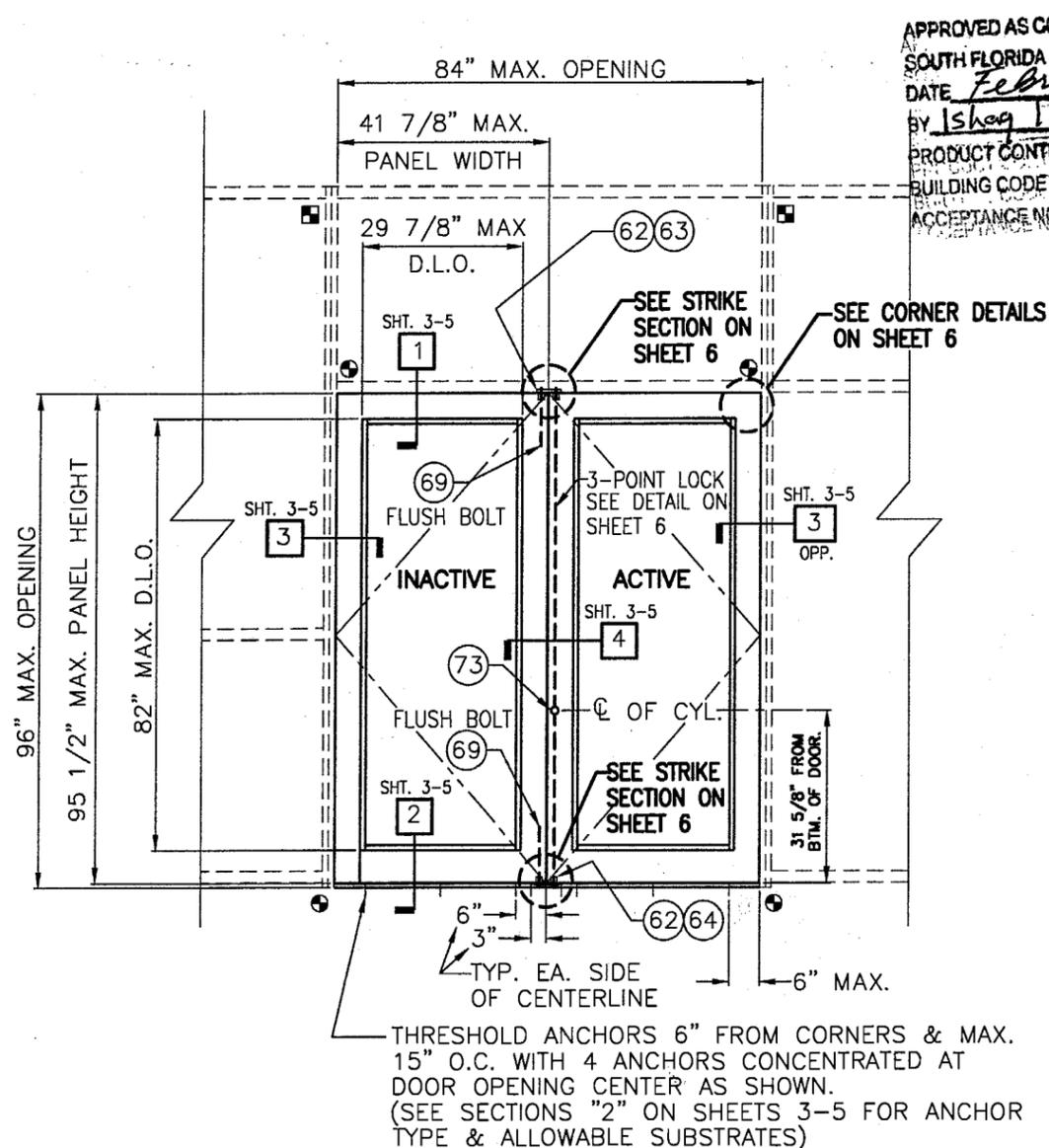
GENERAL NOTES

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE LOAD TABLE ON THIS SHEET.
2. THIS DOOR SYSTEM IS APPROVED FOR INSTALLATION INTO EFCO'S S5600 CURTAIN WALL SYSTEM ONLY. REFERENCE EFCO S5600 DADE COUNTY N.O.A. AND DRAWINGS FOR CURTAIN WALL JAMB/MULLION/FRAME DETAILS & REQUIREMENTS.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & MAY NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR AIR, IMPACT, FORCED ENTRY, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH DADE COUNTY PROTOCOLS PA-201, PA-202 & PA-203.
5. THIS DOOR SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH THE SOUTH FLORIDA BUILDING CODE, 1994 EDITION.

⊗ = SHEAR BLK. ANCHOR PER S5600 CURTAIN WALL N.O.A.

⊠ = 'M' ANCHOR PER S5600 CURTAIN WALL N.O.A.

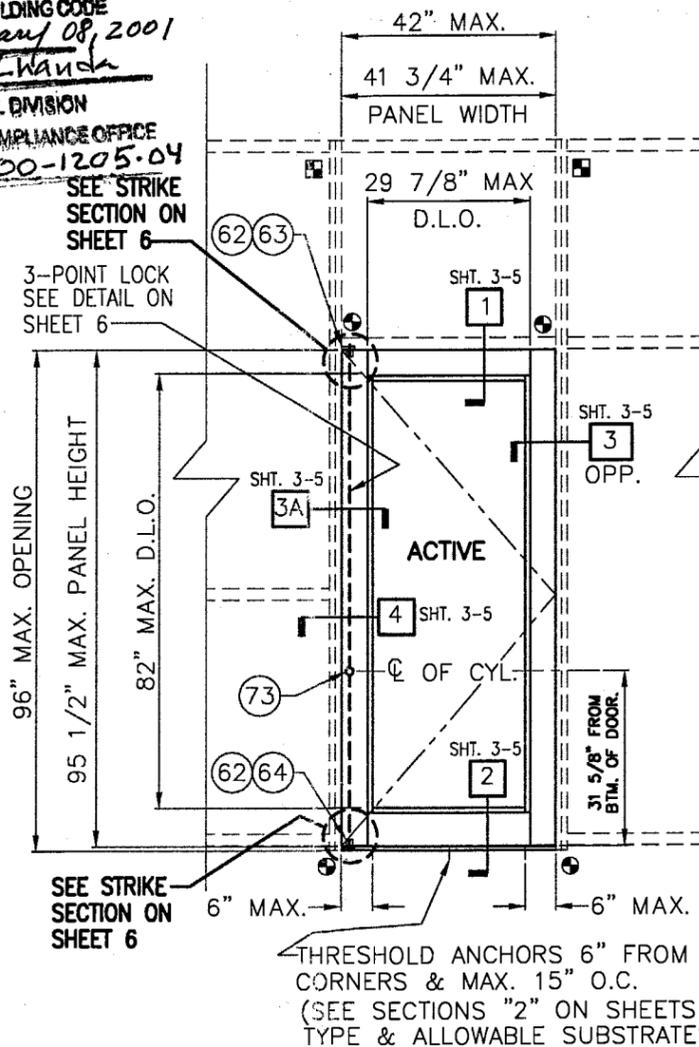
This drawing reviewed & sealed for structural performance.
Richard DiBlasi - FL P.E. Lic. #35077
889 Rustling Oaks Dr., Millersville, MD



EXTERIOR ELEVATION

EFCO D500 OUTSWING ENTRANCE DOUBLE DOORS IN S5600 CURTAIN WALL
FOR HINGE VARIATIONS & PLACEMENT, SEE SHEETS 3-5.
FOR PANIC DEVICE, SEE SHEET 6.

APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE February 08, 2001
BY Sheq. I. Zhand
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1205-04



EXTERIOR ELEVATION

EFCO D500 OUTSWING ENTRANCE SINGLE DOORS IN S5600 CURTAIN WALL
FOR HINGE VARIATIONS & PLACEMENT, SEE SHEETS 3-5.
FOR PANIC DEVICE, SEE SHEET 6.

Richard DiBlasi
1/9/01

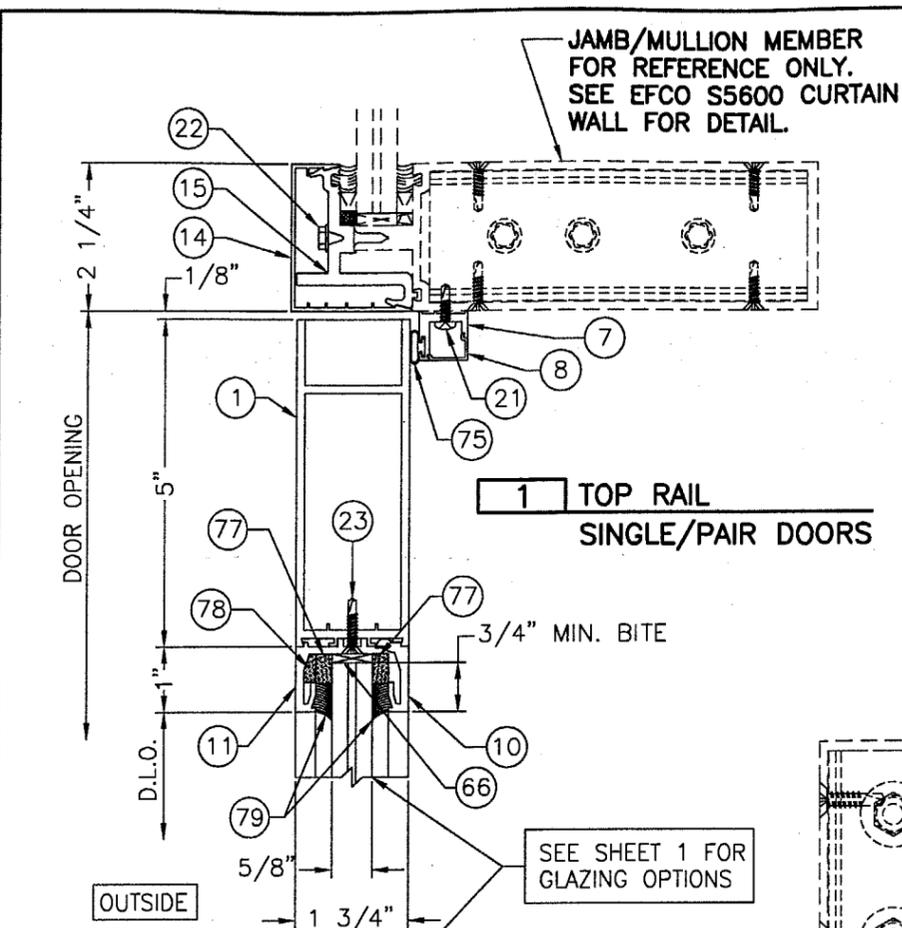
RICHARD DiBLASI
FLORIDA P.E. NO. 35007

NO.	DESCRIPTION	DATE

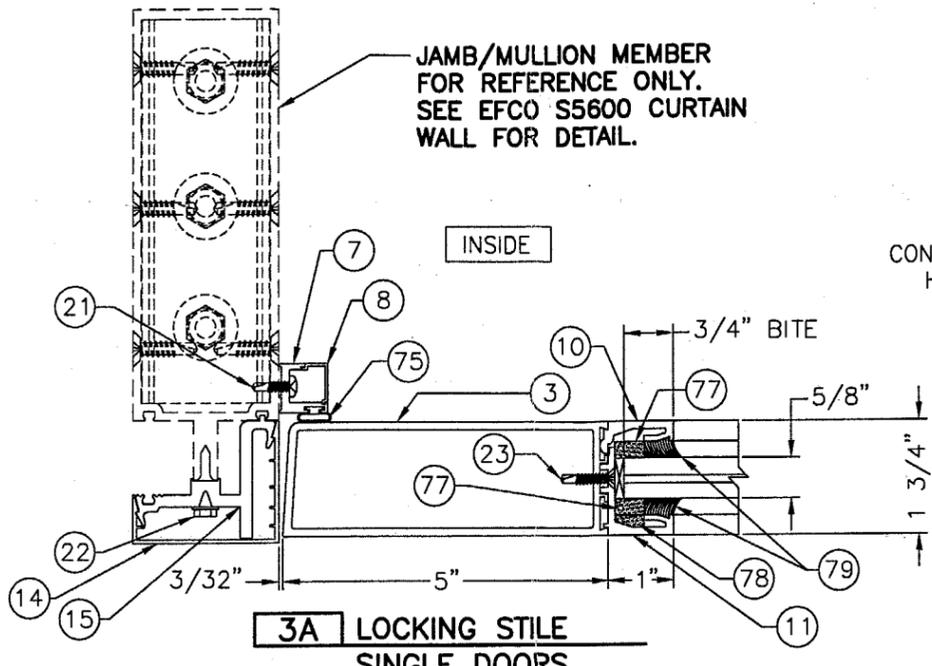
TITLE: D500 IMPACT WIDE STILE DOOR
USE: EFCO SERIES D500 WIDE STILE DOORS W/ S5600 CURTAIN WALL

EFCO CORPORATION
P.O. BOX 609
1000 COUNTY ROAD
MIDDLEBURGH, MD 21771
PHONE: 800-221-4169

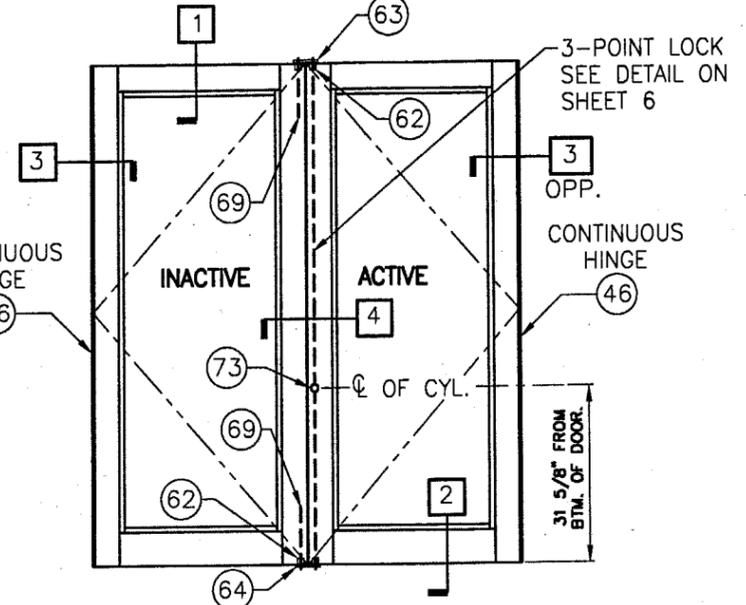
SCHAFFER 9/27/00
DiBLASI 12/21/00
JOB NO. 7-0962-9W
SHEET NO. 1 OF 6



1 TOP RAIL
SINGLE/PAIR DOORS

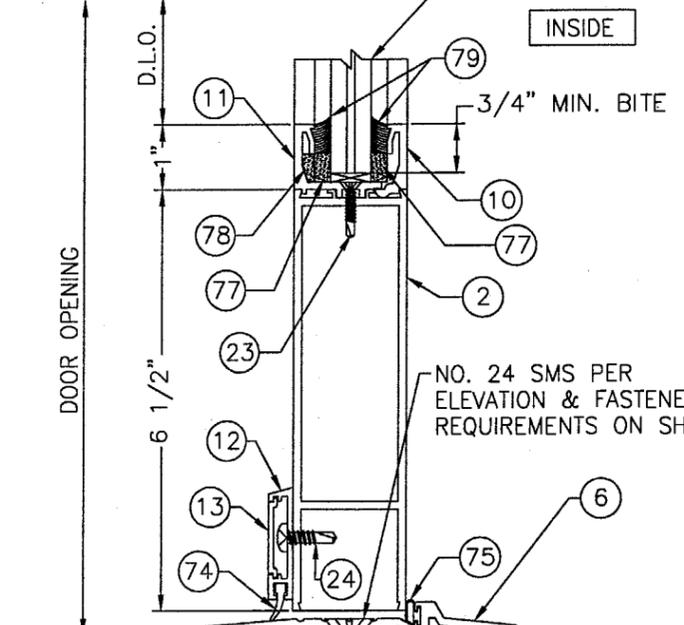


3A LOCKING STILE
SINGLE DOORS



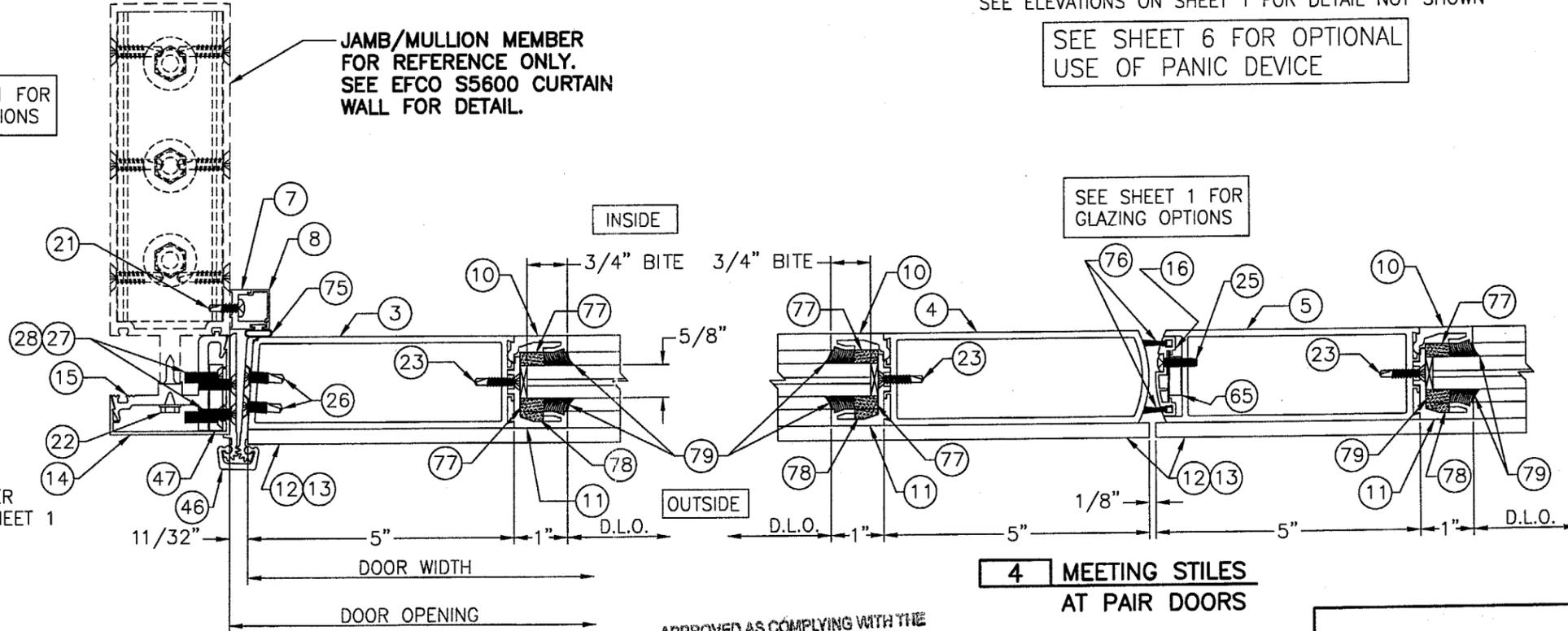
EXTERIOR ELEVATION
(WITH CONTINUOUS GEARED HINGE)
SEE ELEVATIONS ON SHEET 1 FOR DETAIL NOT SHOWN

SEE SHEET 6 FOR OPTIONAL
USE OF PANIC DEVICE



2 THRESHOLD
AT WOOD
SINGLE/PAIR DOORS

NO. 2 GRADE OR BETTER
P.T. & FIRE RETARDANT.
MIN. THICKNESS = 2 1/2"



3 SELECT HINGE JAMB
PAIR/SINGLE DOORS

4 MEETING STILES
AT PAIR DOORS

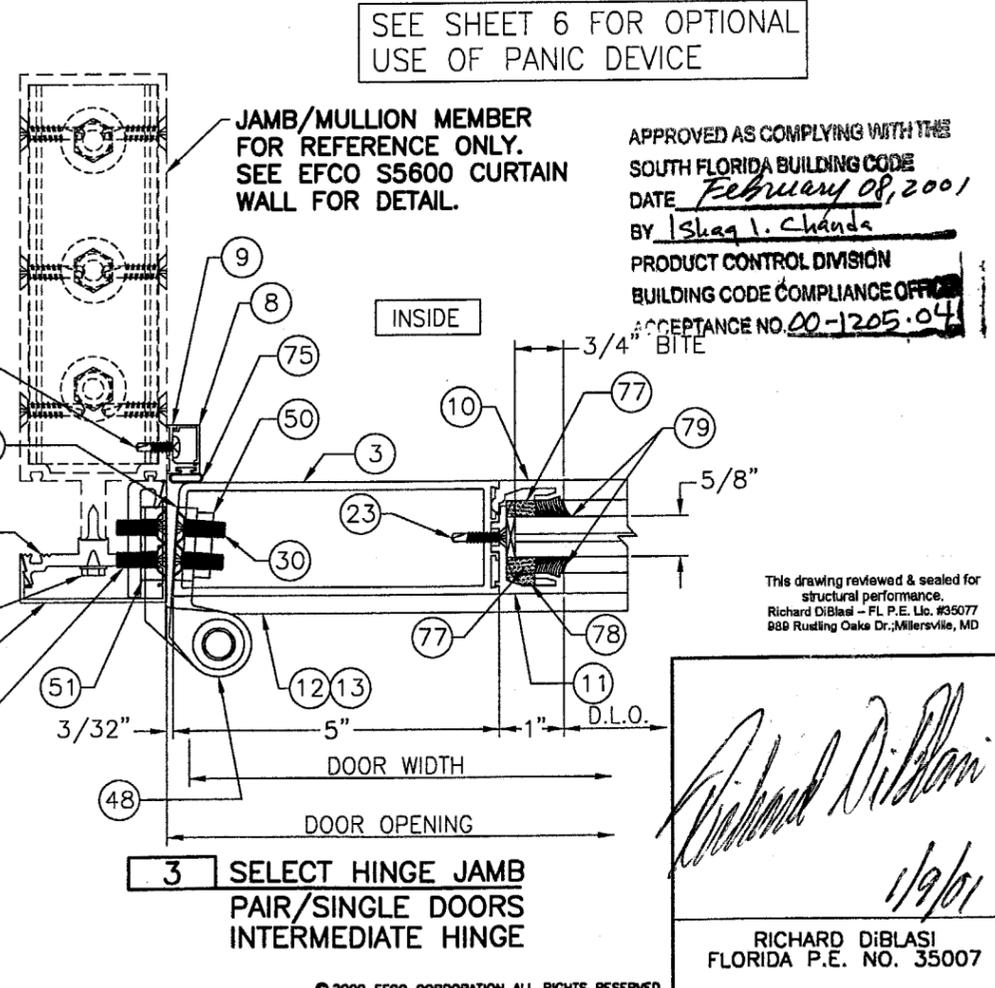
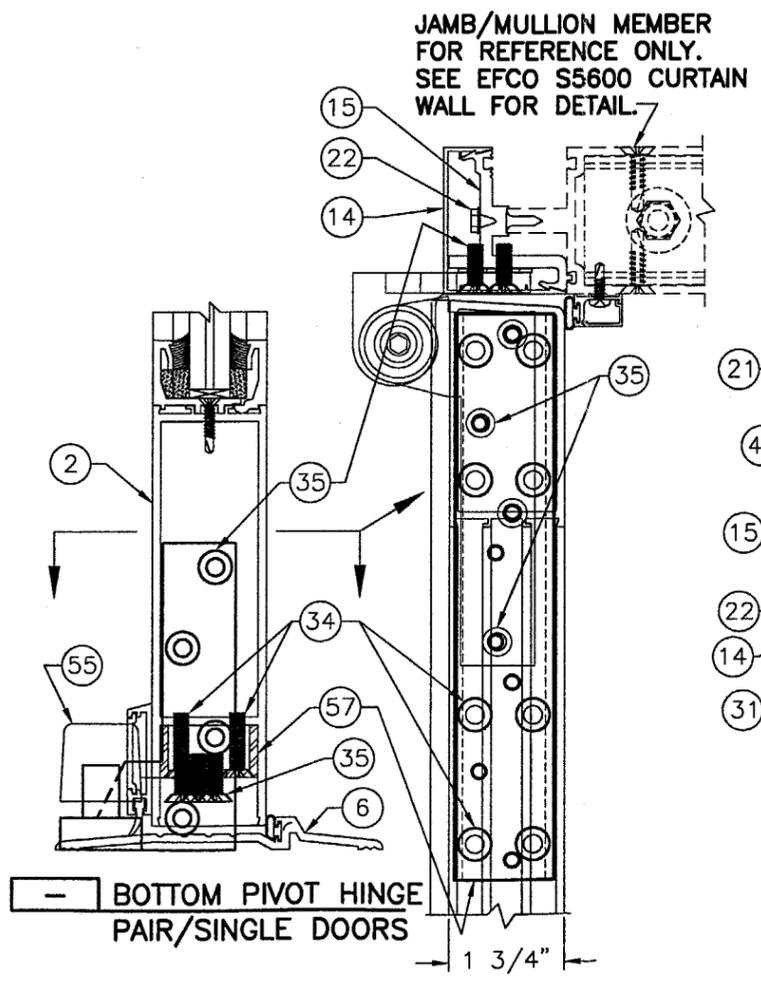
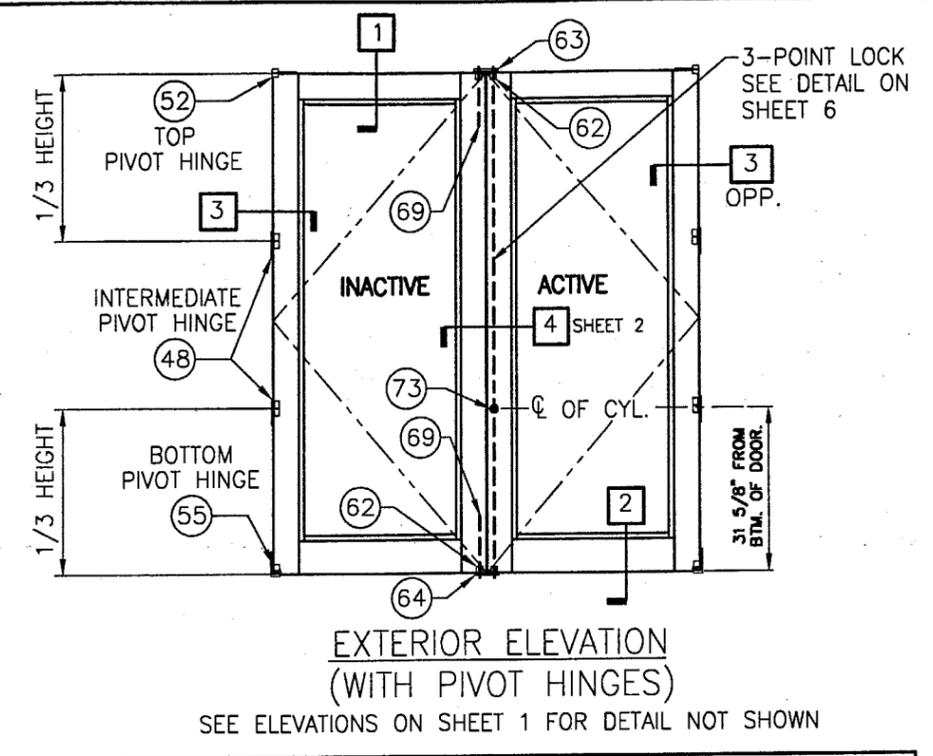
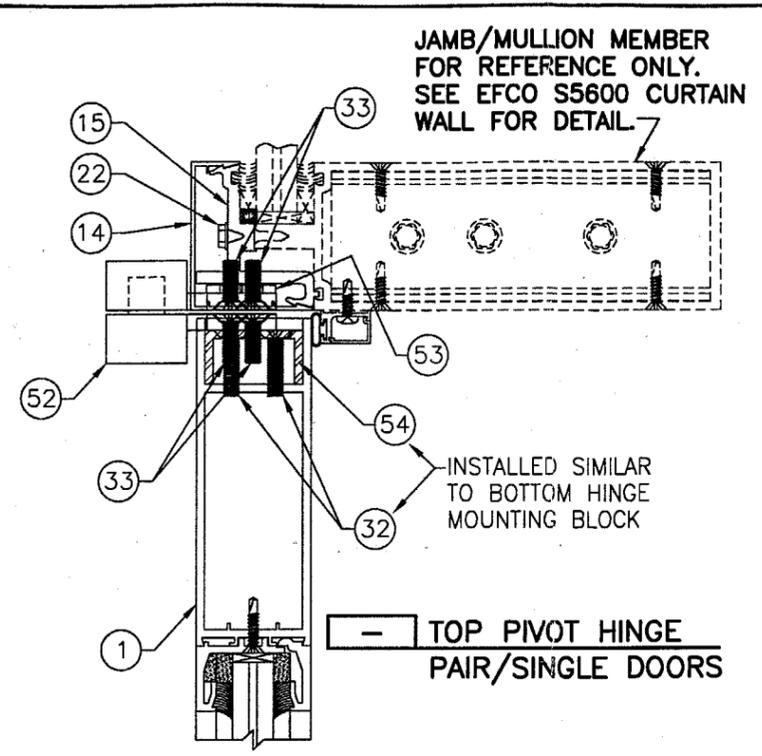
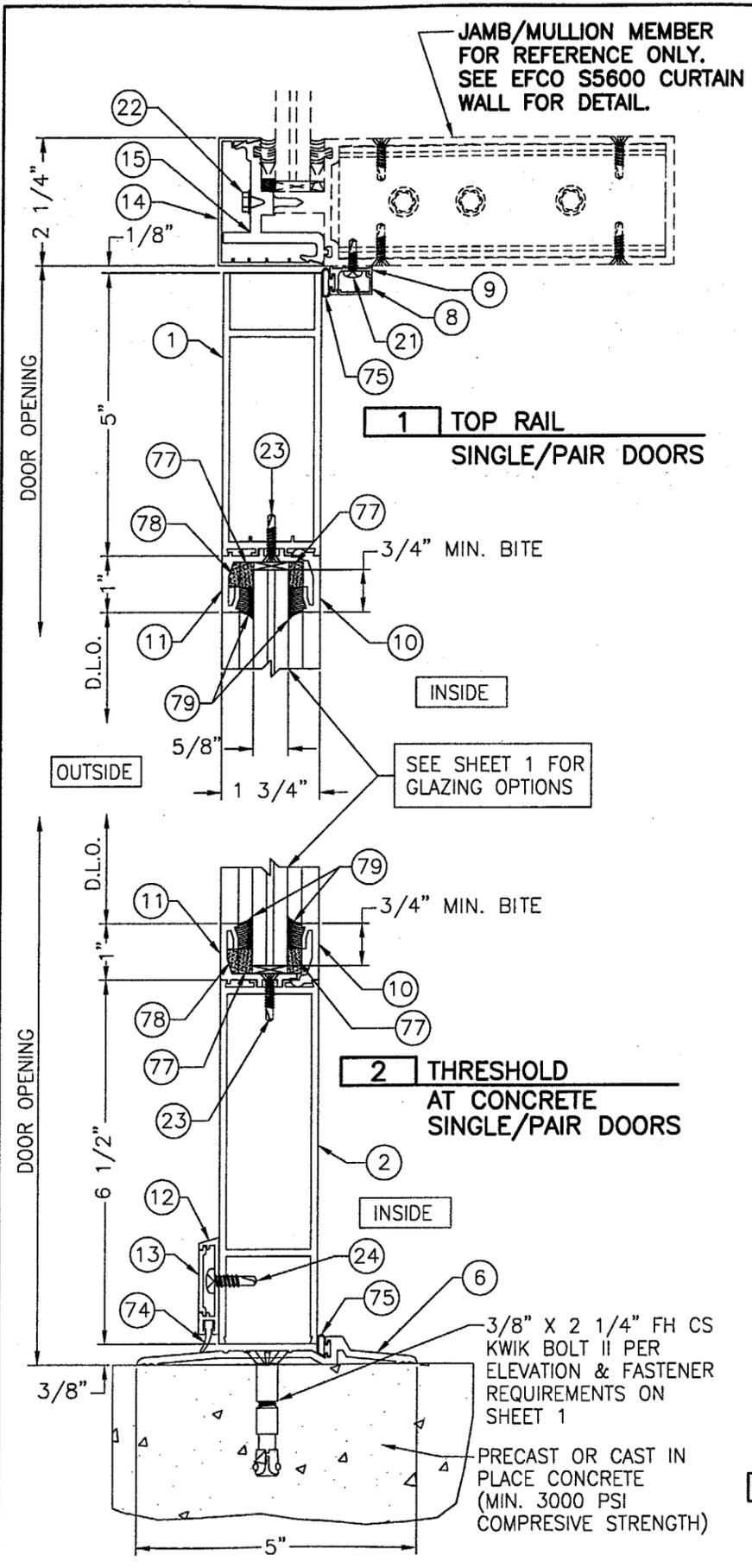
APPROVED AS COMPLYING WITH THE
SOUTH FLORIDA BUILDING CODE
DATE February 08, 2001
BY Ishaq J. Chanda
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE
ACCEPTANCE NO. 00-1205.04

This drawing reviewed & sealed for
structural performance.
Richard DiBlasi - FL P.E. Lic. #35077
989 Ruelling Oaks Dr., Millersville, MD

Richard DiBlasi
1/9/01

RICHARD DiBLASI
FLORIDA P.E. NO. 35007

TITLE: D500 IMPACT WIDE STILE DOOR		NO.	DATE
USE: EFCO SERIES D500 WIDE STILE DOORS W/ S5600 CURTAIN WALL		DESCRIPTION	DRAWING REVISION
EFCO CORPORATION P.O. BOX 609 1000 COUNTY ROAD MONETT, MO 65708-0609 PHONE: 800-221-4169		DATE: 9/27/00	DATE: 12/21/00
JOB NO.: 7-0962-9W		SHEET NO.: 3 OF 6	



SEE SHEET 2 FOR MEETING STILE SECTION 4

SEE SHEET 6 FOR OPTIONAL USE OF PANIC DEVICE

This drawing reviewed & sealed for structural performance.
Richard DiBlasi - FL P.E. Lic. #35077
888 Rustling Oaks Dr., Millersville, MD

Richard DiBlasi
1/9/01

RICHARD DiBLASI
FLORIDA P.E. NO. 35007

DATE	
DESCRIPTION	
DRAWING REVISION	
NO	
D500 IMPACT WIDE STILE DOOR	
USE: EFCO SERIES D500 WIDE STILE DOORS W/ S5600 CURTAIN WALL	
EFCO CORPORATION P.O. BOX 609 1000 COUNTY ROAD MONETT, MO 65708-0609 PHONE: 800-221-4169	
DATE	9/27/00
BY	SCHAEFFER
DATE	12/21/00
BY	DiBLASI
JOB NO.	7-0962-9W
SHEET NO.	4 OF 6

