



**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**

**Steelcraft Manufacturing Company**  
9017 Blue Ash Road  
Cincinnati, OH 45242

Your application for Notice of Acceptance (NOA) of:

**Series B, CE, L & SL - 16 ga. Outswing Commercial Steel Door - Impact**

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.: 01-0129.06**  
**EXPIRES: 07/02/2006**

**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: 05/24/2001**



Steelcraft Manufacturing Co.

ACCEPTANCE No.: 01-0129.06

APPROVED : MAY 24 2001

EXPIRES : July 02, 2006

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

**1. SCOPE**

1.1 This **renews** the Notice of Acceptance No. 97-0811.05, which was issued on July 02, 1998. It approves a commercial steel door, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code (SFBC), 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 B, CE, L and SL Doors and F & MU Frames, Flush Outswing Commercial Steel Doors - Impact** and its components shall be constructed in strict compliance with the following documents: Drawing No **183-W**, Sheets 1 through 10 of 10, titled "Series L16-4 8070 Pair & 4070 Single Steel Door with Von Duprin Hardware", prepared by manufacturer, dated 8/18/97 thru 05/26/98, with revision D dated 2/21/98, 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 doors and single door 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 commercial steel doors and its components shall be installed in strict compliance with the approved drawings.

4.2 Hurricane protection system (shutters): the installation of this unit **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".

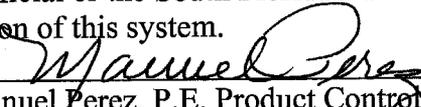
**6. BUILDING PERMIT REQUIREMENTS**

6.1 Application for building permit shall be accompanied by copies of the following:

6.1.1 This Notice of Acceptance

6.1.2 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.

6.1.3 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.

  
Manuel Perez, P.E. Product Control Examiner  
Product Control Division

Steelcraft Manufacturing Co.

ACCEPTANCE No.: 01-0129.06

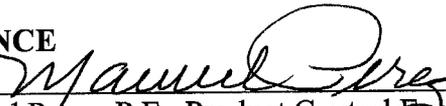
APPROVED : MAY 24 2001

EXPIRES : July 02, 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 documentation, 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 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

  
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Manuel Perez, P.E., Product Control Examiner  
Product Control Division

Steelcraft Manufacturing Co.

ACCEPTANCE No.: 01-0129.06

APPROVED : MAY 24 2001

EXPIRES : July 02, 2006

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

*(For File ONLY. Not part of NOA.)*

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **183-W**, Sheets 1 through 10 of 10, titled "Series L16-4 8070 Pair & 4070 Single Steel Door with Von Duprin Hardware", prepared by manufacturer, dated 8/18/97 thru 05/26/98, with revision D dated 2/21/98.

(Reviewer's note: Dwg. No. **183-W**, Sheets 1 of 10 and 4 of 10 has been revised for elevation anchor clarification due to incoming installation inquiries MP 5/3/01)

**B. TESTS**

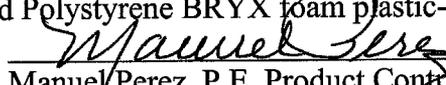
1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94  
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202-94  
3) No Water Resistance Test performed.  
4) Large Missile Impact Test per SFBC, PA 201-94  
5) Cyclic Wind Pressure Loading per SFBC, PA 203-94  
6) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94  
along with manufacturer's parts and section drawings marked by Certified Testing Laboratory., Test Report No. **CTLA-183W**, prepared by Certified Testing Laboratory, Architectural Division, tested on May 28, 1997, signed and sealed by Ramesh Patel, P.E., for the following tests:

**C. CALCULATIONS**

1. Anchor calculations prepared by Product & Application Engineering, Inc., dated 04/97 & 06/97, signed and sealed by James L. Holsonback, P.E.

**D. MATERIAL CERTIFICATIONS**

1. Tensile Test prepared by CTL Architectural Division, Report No. CTLA-183W, dated 7/7/97, for galvanized steel samples, tested per ASTM E8-93a, signed and sealed by Ramesh Patel, P.E.
2. Test Report No. 96921 on Test for Ignition of Plastics, issued by United States Testing Co., Inc., to **Huntsman Chemical Corp.** for their expanded polystyrene foam grades 54 and 86, per ASTM D-1929, dated August 28, 1987.
3. National Evaluation Report No. NER-384, issued by National Evaluation Service, Inc. NES, dated May 1, 1994, listing results of testing performed by UL per ASTM E-84 on **Huntsman Chemical Corp.** expanded polystyrene foam grades 54 and 86.
4. Underwriters Laboratories, Inc. Listing R5653(N) issued to **Dow Chemical Co.** for their **Trymer 2000** brand rigid polyurethane foam insulation.
5. Underwriters Laboratories, Inc.: UL File No. R14213 issued to **PolyFoam Packers Corporation** for their **ThermoSafe** Expanded Polystyrene BRYX foam plastic-4L19.

  
Manuel Perez, P.E. Product Control Examiner  
Product Control Division

Steelcraft Manufacturing Co.

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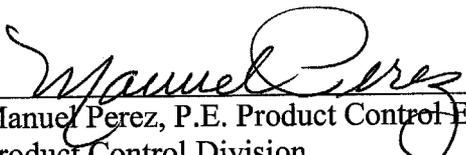
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**  
*(For File ONLY. Not part of NOA.)*

**E. STATEMENTS**

1. Letter from Steelcraft / Ingersoll-Rand Company, dated 01/19/2001, stating that the product has not changed since it was originally approved, signed by Al Urbaniak, Senior Product Manager; Rick Hulsmann, Manager, Product Engineering Dept.; and Yuriy Farber, Application Engineer, Product Engineering Dept.
2. Letter from James L. Holsonback, P.E. dated January 19, 1991, stating that he is still in the engineering business.

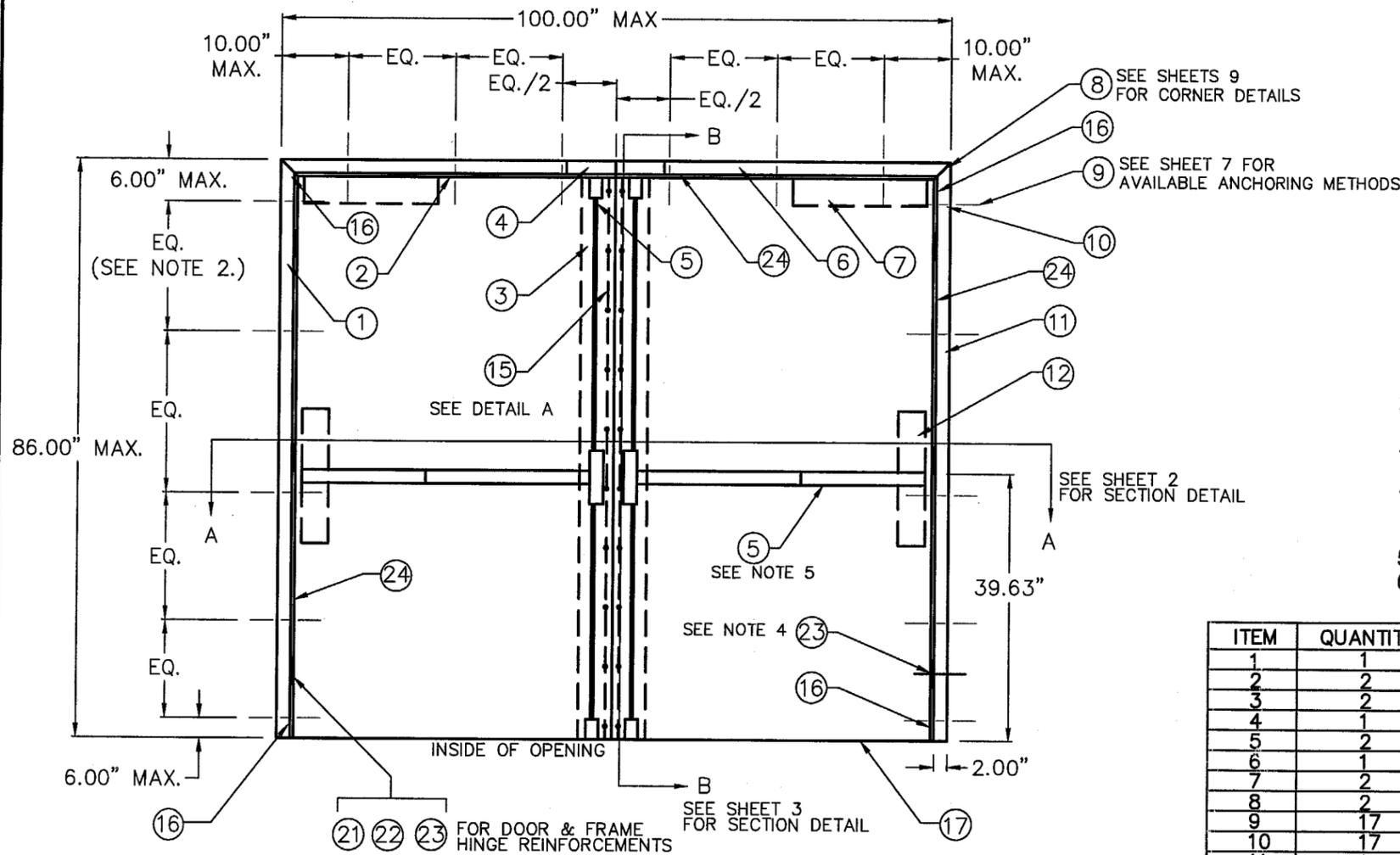
**F. OTHERS**

1. Notice of Acceptance **97-0811.05** issued to Steelcraft Manufacturing Co. for their Series B, CE, L & SL - 16 ga. Outswing Commercial Steel Door – Impact, dated 07/02/98, expiring on 07/02/01.

  
Manuel Perez, P.E. Product Control Examiner  
Product Control Division

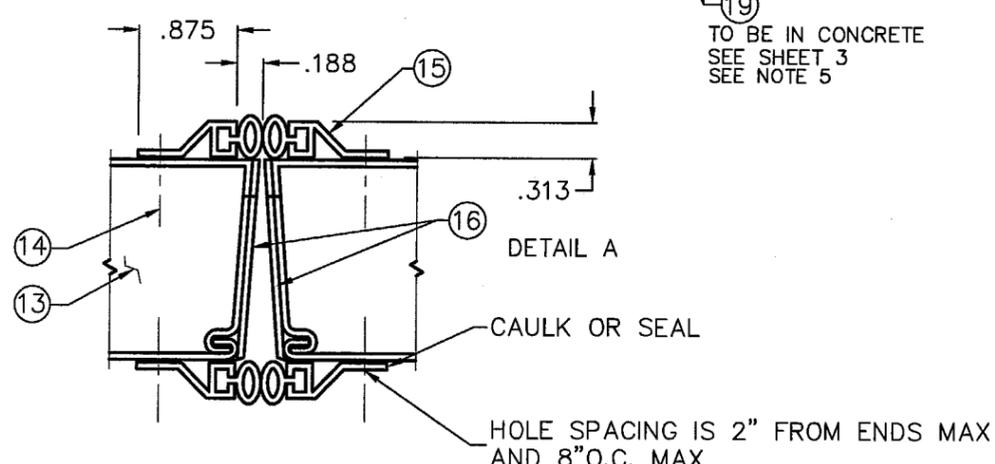
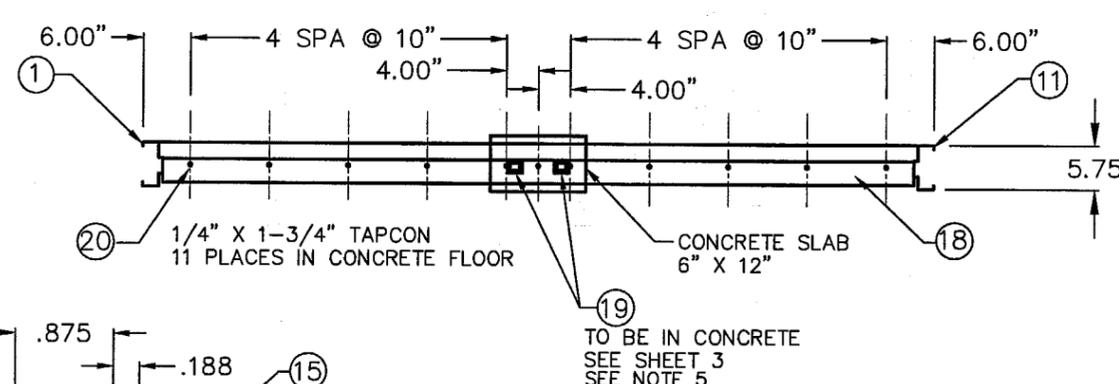
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	10.1.97	
B	REVISED NOTES	JU 10/15/97	
C	REMOVED NOTE	2.24.98	
D	GENERAL REVISION	4.21.98	
E	REV'D NOTES, DIM'S	YMF 5.01.01	



- 2 ROWS OF PS074 WEATHERSTRIPPING ON HEAD AND JAMBS SEE SHEETS 2&3
- MIN. (5) ANCHORS PER JAMB AND (7) ANCHORS IN DBL HEAD REQUIRED, APPROX. EQUALLY SPACED IN LENGTH (NOT TO EXCEED 24" O.C.)
- SEE SHEET 8 FOR AVAILABLE STANDARD OPENING SIZES & SPECIFICATIONS
- HINGE LOCATIONS ON FRAME:  
FROM FLOOR TO BOTTOM HINGE- 10.38" MAX.  
BETWEEN HINGES- 31.94" MAX. FROM RABBET IN HEAD TO HINGE 9.75" MAX
- HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS.
- DESIGN PRESSURE +/- 65 PSF NOT TESTED FOR WATER PENETRATION

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	LEFT HAND HINGE JAMB	16 GA. MIN. STL	MAX. 86"
2	2	TOP CAP	24 GA. GALV.	MAX. 47.66"
3	2	VERTICAL ROD REINFORCING	14 GA. STL	4" X 81.5" MAX
4	1	REINFORCING SLEEVE	14 GA. GALV.	5.62" MIN. X 16"
5	2	VON DUPRIN HH9927 W/499F STRIKE	SEE SHT 10	
6	1	HEAD	16 GA. MIN. STL	MAX. 100"
7	2	CLOSER REINFORCING	14 GA. STL	6" X 20"
8	2	CORNER PREP	SEE SHT 9	
9	17	EMA SCREW 3/8 X 5	STEEL	3/8" X 5"
10	17	EMA ANCHOR	18 GA. GALV.	2.56" X 6.94" MIN.
11	1	RIGHT HAND HINGE JAMB	16 GA. MIN. STL	MAX. 86"
12	2	HINGE SIDE PANIC REINFORCING	14 GA. STL	4.13" X 20"
13	2	CORE MATERIAL	SEE SHT 6	47.66" X 81.5" MAX
		A) POLYSTYRENE B) POLYURETHANE C) HONEYCOMB D) STEEL STIFFENED		
14	SUPPLIED	#6 X 3/4" SHEETMETAL SCREW	STEEL	3/4"
15	4	NATIONAL GUARD / SPLIT ASTRAGAL 160A	6063 T5 ALUM	MAX. 83.5"
16	8	CORNER SEAL	POLYPROPYLENE	.75 X 1.25 X 47.57
17	2	FAS-SEAL DOORSWEEP	TPE	.25" X 1.06" X 1.38"
18	1	NATIONAL GUARD 950A SILL WITH BUMPER GASKET	6063 T5 ALUM	.078 THK MAX. 96"
19	2	VON DUPRIN 304 L STRIKE	NICKEL SILVER	.13 X 1 X 1.88 SQ.
20	11	THRESHOLD FASTNERS TAPCONS	STEEL	1/4 X 1 3/4"
21	6	HINGE REINFORCING DOOR	7 GA. STL MIN.	1.28 X 9.19
22	6	HINGE REINFORCING FRAME	7 GA. STL. MIN.	1.50 X 9.19
23	6	STANLEY F-179/1900 HINGES	X .134 STL.	4.5 X 4.5
24	6	PS074 WEATHER STRIPPING	TPE	MAX. 120"



**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0129.06  
 EXPIRATION DATE 7-2-06  
 By Manuel Perez  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN **RK** DATE 10.1.97

CHECKED

APPROVED

ENG. APPVL

**INGERSOLL-RAND COMPANY**  
 STEELCRAFT MFG.  
 9017 BlueAsh Rd. Cincinnati Ohio 45242

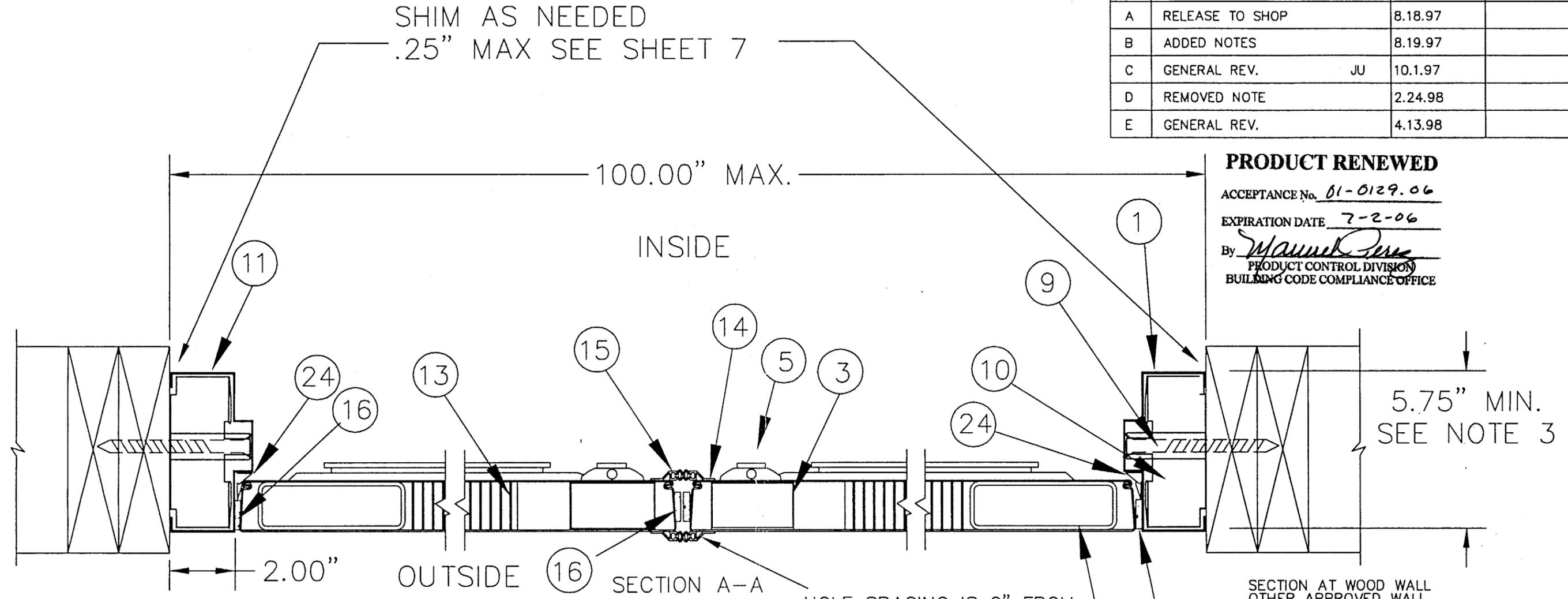
TITLE DADE COUNTY  
 DADE COUNTY TEST UNIT  
 L16-4 8070 PAIR  
 VON DUPRIN EXIT HARDWARE

SIZE FLAT DWG NO. 183W SHEET 1 OF 10 REV E

SCALE: 23 AUTOCAD

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	8.18.97	
B	ADDED NOTES	8.19.97	
C	GENERAL REV. JU	10.1.97	
D	REMOVED NOTE	2.24.98	
E	GENERAL REV.	4.13.98	



PRODUCT RENEWED

ACCEPTANCE No. 01-0129.06  
 EXPIRATION DATE 7-2-06  
 By Manuel Perez  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

ITEM	QUANTITY	DESCRIPTION
1	1	LEFT HAND JAMB HINGE SIDE
3	2	VERTICAL ROD REINFORCING
5	2	VON DUPPRIN HH9927 W/ 499F STRIKE
9	17	EMA SCREW
10	17	EMA ANCHOR
11	1	RIGHT HAND JAMB HINGE SIDE
12	2	HINGE SIDE PANIC REINFORCING
13	2	CORE MATERIAL A) POLYSTYRENE      B) POLYURETHANE C) HONEYCOMB      D) STEEL STIFFENED
14	SUPPLIED	#6 X 3/4" SHEETMETAL SCREWS
15	4	NATIONAL GUARD / SPLIT ASTRAGAL 160A
16	4	CORNER SEAL
24	4	PS074 WEATHER STRIPINNG PER JAMB

HOLE SPACING IS 2" FROM ENDS MAX AND 8" O.C.

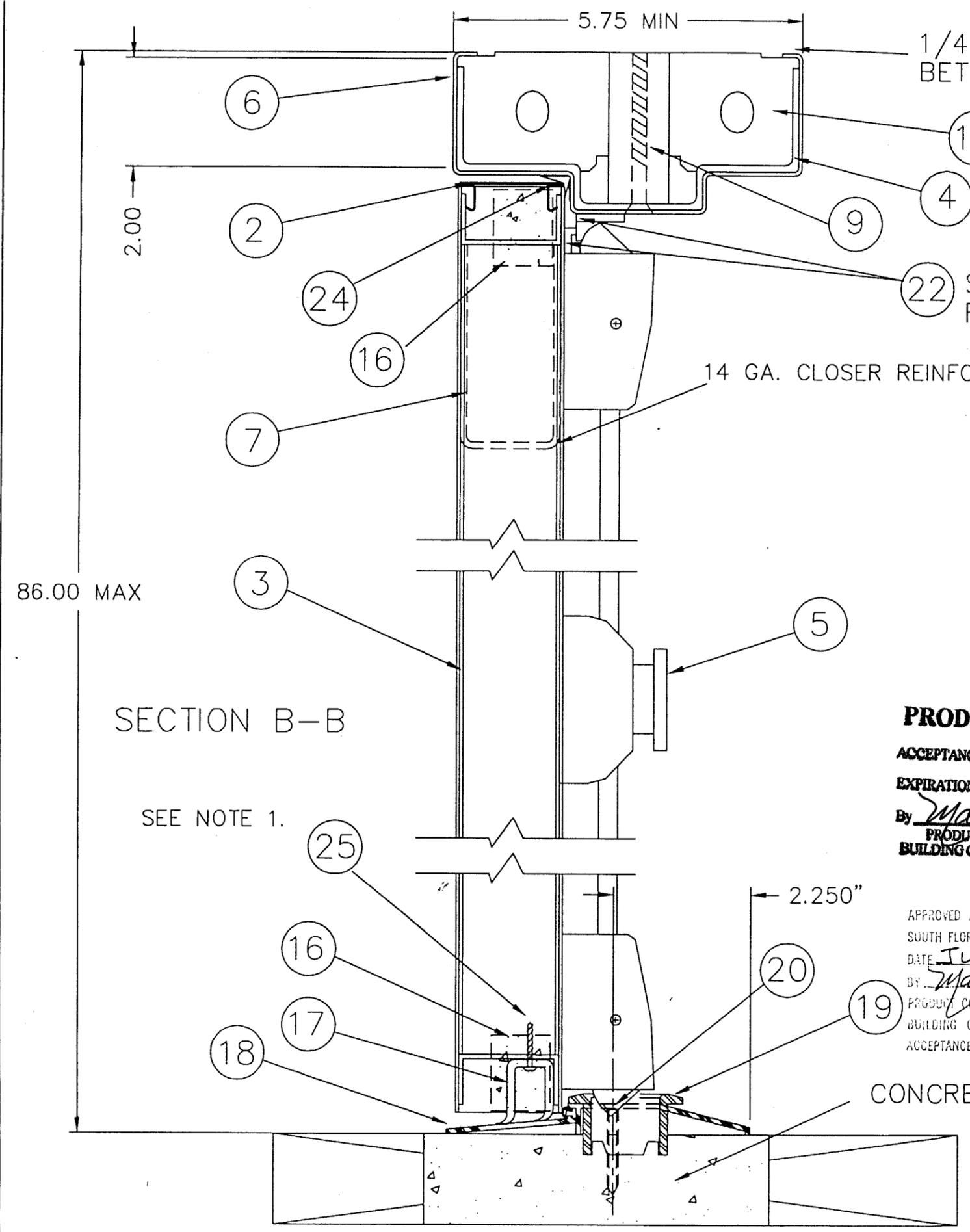
APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
 DATE July 2, 1998  
 BY Manuel Perez  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 97-0811.05

- 1 SEE SHEET 1 FOR ELEVATION, MATERIAL AND SIZE
- 2 SEE SHEET 10 FOR OPTIONAL OUTSIDE TRIM
- 3 SEE SHEET 8 FOR OTHER JAMB DEPTH & SPECIFICATIONS

BEND RADIUS				INGERSOLL-RAND COMPANY STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION					
DRAWN RK	DATE 8.18.97	TITLE DADE COUNTY CROSS SECTION OF DOOR AND FRAME			
CHECKED		SIZE FLAT	DWG NO. 183W	SHEET 2 OF 10	REV E
APPROVED		SCALE: 2	AUTOCAD		
ENG. APPVL					

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	8.18.97	
B	REVISED DRAWING	8.19.97	
C	ADDED BOTTOM LATCH	8.20.97	
D	GENERAL REV.	JU 10.2.97	
E	REMOVED NOTE	2.24.98	
F	GENERAL REVISION	TL 4.09.98	



1/4" SHIM MAX.  
BETWEEN FRAME & OPENING  
SEE SHT 7 FOR  
WALL CONDITIONS

22 SEE SHEET 10  
FOR STRIKE INSTALLATION

14 GA. CLOSER REINFORCING

NOTE:

- FOR 30" DOOR AND UNDER 3 SCREWS 3.87" FROM ENDS WITH A MAX SPACING OF 13.56" BETWEEN SCREWS, FOR 30" TO 40" DORS 3.87" FROM ENDS AND MAX SPACING OF 17.87 SEE SHEET 10 FOR OPTIONAL OUTSIDE TRIM  
SEE SHEET 1 FOR PAIRS ELEVATION  
SEE SHEET 4 FOR SINGLE ELEVATION  
SEE SHEET 8 FOR SINGLE AVAILABLE STANDARD OPENING SIZE

86.00 MAX

SECTION B-B

SEE NOTE 1.

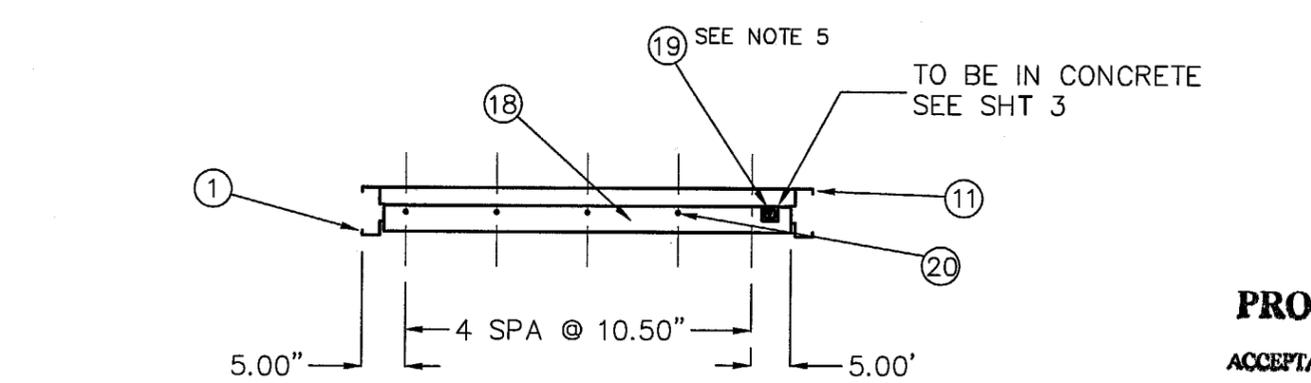
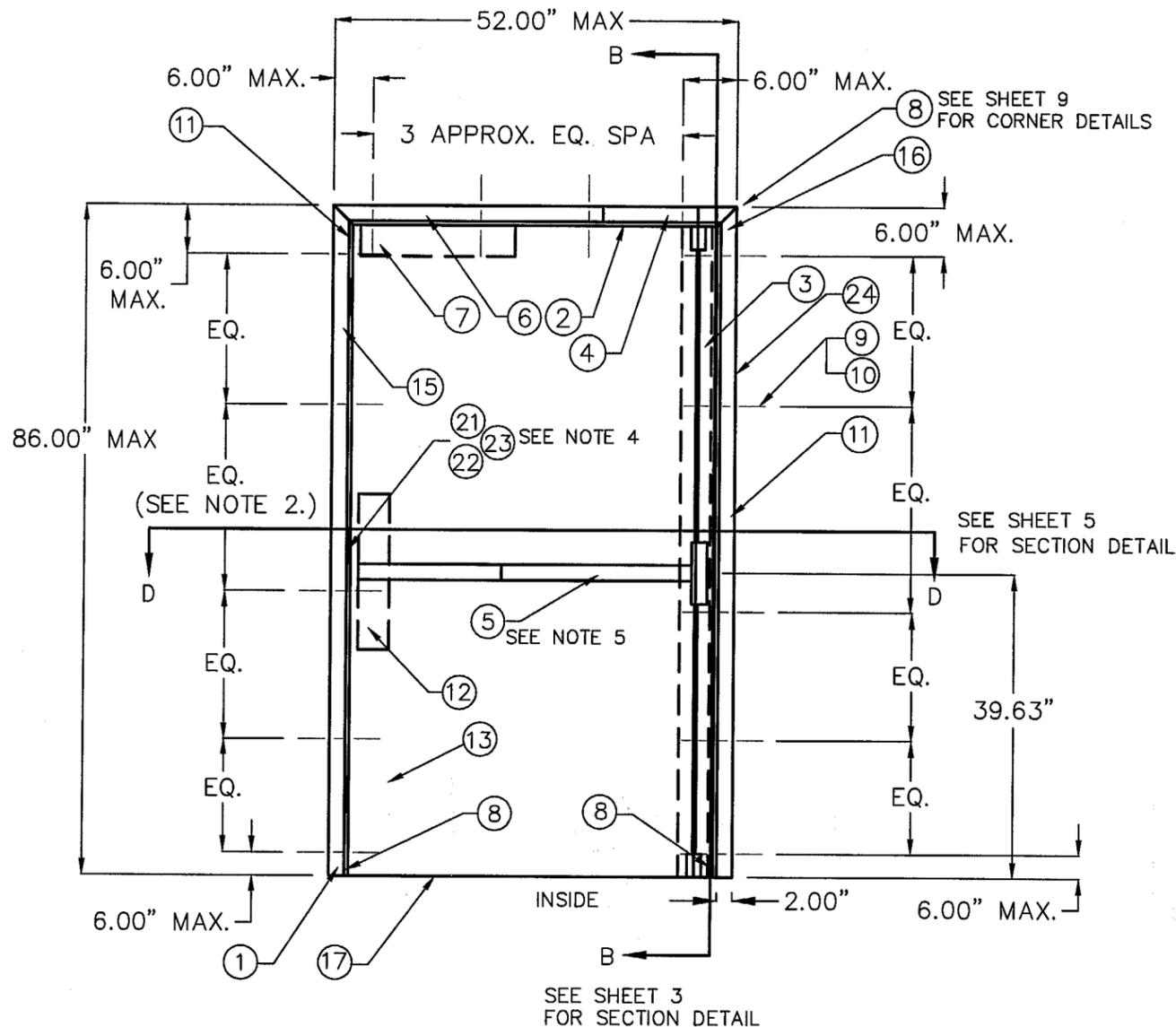
**PRODUCT RENEWED**  
ACCEPTANCE No. 01-0129.06  
EXPIRATION DATE 7-2-06  
By Manuel Perez  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE JULY 2 1998  
BY Manuel Perez  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 97-0811.05

CONCRETE

ITEM	QUANTITY	DESCRIPTION
2	1	TOP CAP
3	1	VERTICAL ROD REINFORCING
4	1	12 GA. REINFORCING SLEEVE
5	1 / DOOR	VON DUPRIN HH9927 W/499F STRIKE
6	1	HEAD
7	2	CLOSER REINFORCING
9	7	EMA SCREW 3/8 X 5
10	7	EMA ANCHOR
16	SEE SHT 1&4	CORNER SEAL
17	1 / DOOR	FAS-SEAL DOORSWEEP
18	1	NATIONAL GUARD 950A SILL WITH BUMPER GASKET
19	1	VON DUPRIN 304L STRIKE
20	7	THRESHOLD FASTENER TAPCONS
24	2	PS074 WEATHER STRIPPING
25	4 MAX.	#10 X 3/4 P.H.S.M. STEEL

BEND RADIUS		<b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION			
DRAWN <b>RK</b>	DATE 8.18.97	TITLE DADE COUNTY PROFILE OF STEELCRAFT DOOR WITH NATIONAL GUARD 950 THRESHOLD	
CHECKED		SIZE FLAT	DWG NO. 183W
APPROVED		SHEET 3 OF 10	REV F
ENG. APPV.		SCALE: 2	AUTOCAD



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	8.18.97	
B	GENERAL	JU 10.2.97	
C	6063 T5 WAS ALUMIN UM JU	10.14.95	
D	REMOVED NOTE	2.24.98	
E	GENERAL REVISION	5.26.98	
F	REV'D NOTES, DIM'S	YMF 5.01.01	

- 2 ROWS OF PS074 WEATHERSTRIPPING ON HEAD AND JAMBS SEE SHEETS 2 & 3.
- MIN. (5) ANCHORS PER JAMB AND (4) ANCHORS IN HEAD REQUIRED, APPROX. EQUALLY SPACED IN LENGTH (NOT TO EXCEED 24" O.C.)
- SEE SHEET 8 FOR AVAILABLE STANDARD OPENING SIZES AND MATERIAL SPECS.
- HINGE LOCATIONS ON FRAME:  
FROM FLOOR TO BOTTOM HINGE- 10.38" MAX.  
BETWEEN HINGES- 31.94" MAX. FROM RABBET IN HEAD TO HINGE 9.75" MAX
- HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS.
- DESIGN PRESSURE +/- 65 PSF NOT TESTED FOR WATER PENETRATION

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	LEFT HAND HINGE JAMB	16 GA. MIN. STL	MAX. 86"
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4	1	REINFORCING SLEEVE	14 GA. GALV.	5.62" MIN. X 16"
5	1	VON DUPRIN HH9927 W/499F STRIKE	SEE SHT 10	
6	1	HEAD	16 GA. MIN. STL	MAX. 100"
7	1	CLOSER REINFORCING	14 GA. STL	6" X 20"
8	2	CORNER PREP	SEE SHT 9	
9	14	EMA SCREW 3/8 X 5	STEEL	3/8" X 5"
10	14	EMA ANCHOR	18 GA. GALV.	2.56" X 6.94" MIN.
11	1	RIGHT HAND HINGE JAMB	16 GA. MIN. STL	MAX. 86"
12	1	HINGE SIDE PANIC REINFORCING	14 GA. STL	4.13" X 20"
13	1	CORE MATERIAL	SEE SHT 8	47.66" X 81.5" MAX
		A) POLYSTYRENE B) POLYURETHANE		
		C) HONEYCOMB D) STEEL STIFFENED		
16	4	CORNER SEAL	POLYPROPYLENE	.75 X 1.25 X 47.57
17	1	FAS-SEAL DOORSWEEP	TPE	.25" X 1.06" X 1.38"
18	1	NATIONAL GUARD 950A SILL WITH BUMPER GASKET	6063 T5 ALUM	.078 THK MAX. 96"
19	1	VON DUPRIN 304 L STRIKE	NICKEL SILVER	.13 X 1 X 1.88 SQ.
20	5	THRESHOLD FASTNERS TAPCONS	STEEL	1/4 X 1 3/4"
21	3	HINGE REINFORCING DOOR	7 GA. STL. MIN.	1.28 X 9.19
22	3	HINGE REINFORCING FRAME	7 GA. STL. MIN.	1.50 X 9.19
23	3	STANLEY F-179/1900 HINGES	X .134 STL.	4.5 X 4.5
24	6	PS074 WEATHER STRIPPING	TPE	MAX. 120"

**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0129.06  
 EXPIRATION DATE 7-2-06  
 By Maurice Perry  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS		 <b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION			
DRAWN <b>RK</b>	DATE 8.18.97	TITLE DADE COUNTY DADE COUNTY L16 - 4 4070 VON DUPRIN EXIT HARDWARE	
CHECKED		SIZE FLAT	DWG NO. 183W
APPROVED		SHEET 4 OF 10	
ENG. APPVL		SCALE: 19	REV F

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	8.18.97	
B	ADDED NOTE	8.19.97	
C	REMOVED NOTE	2.24.98	
D	GENERAL REVISION	5.26.98	

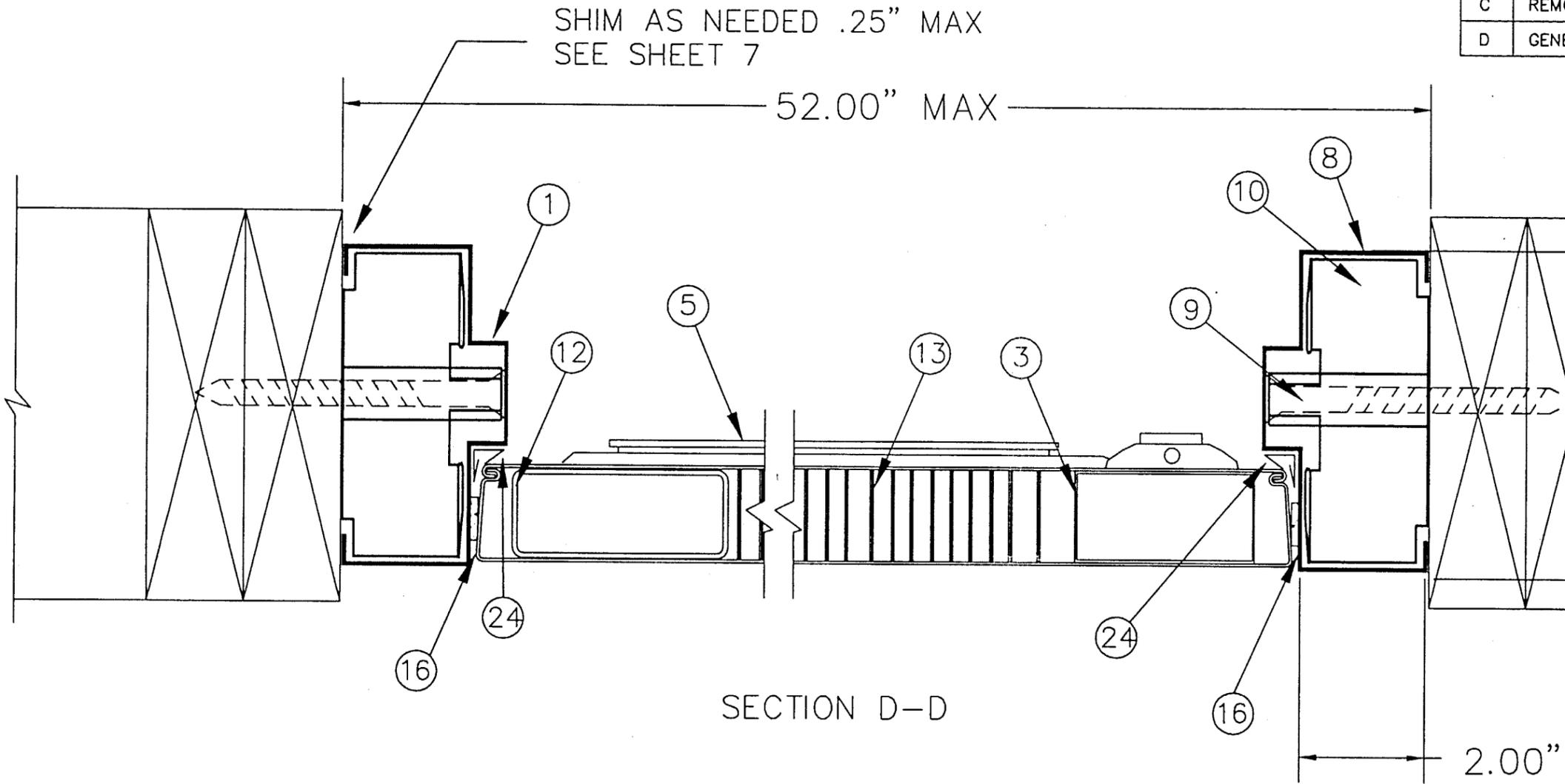
**PRODUCT RENEWED**

ACCEPTANCE No. 01-0129.06

EXPIRATION DATE 7-2-06

By Manuel Puz  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

5.75" MIN.  
 SEE NOTE 3



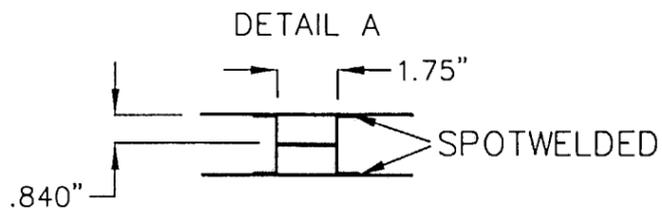
SECTION AT WOOD WALL  
 OTHER APPROVED WALL  
 SECTIONS SHOWN ON  
 SHEET 7

ITEM	QUANTITY	DESCRIPTION
1	1	LEFT HAND JAMB HINGE SIDE
3	1	VERTICAL ROD REINFORCING
5	1	VON DUPRIN HH9927 W/499F STRIKE
9	14	EMA SCREW 3/8/ X 5
10	14	EMA ANCHOR
11	1	RIGHT HAND JAMB
12	1	HINGE SIDE PANIC REINFORCMENT
13	1	CORE MATERIAL
		A) POLYSTYRENE      B) POLYURETHANE
		C) HONEYCOMB      D) STEEL STIFFENED
16	4 TOTAL	CORNER SEAL
24	2	PS074 WEATHER STRIPPING PER JAMB

- 1 SEE SHEET 4 FOR ELEVATION, MATERIAL AND SIZE
- 2 SEE SHEET 10 FOR OPTIONAL OUTSIDE TRIM
- 3 SEE SHEET 8 FOR OTHER JAMB DEPTH & SPECIFICATIONS

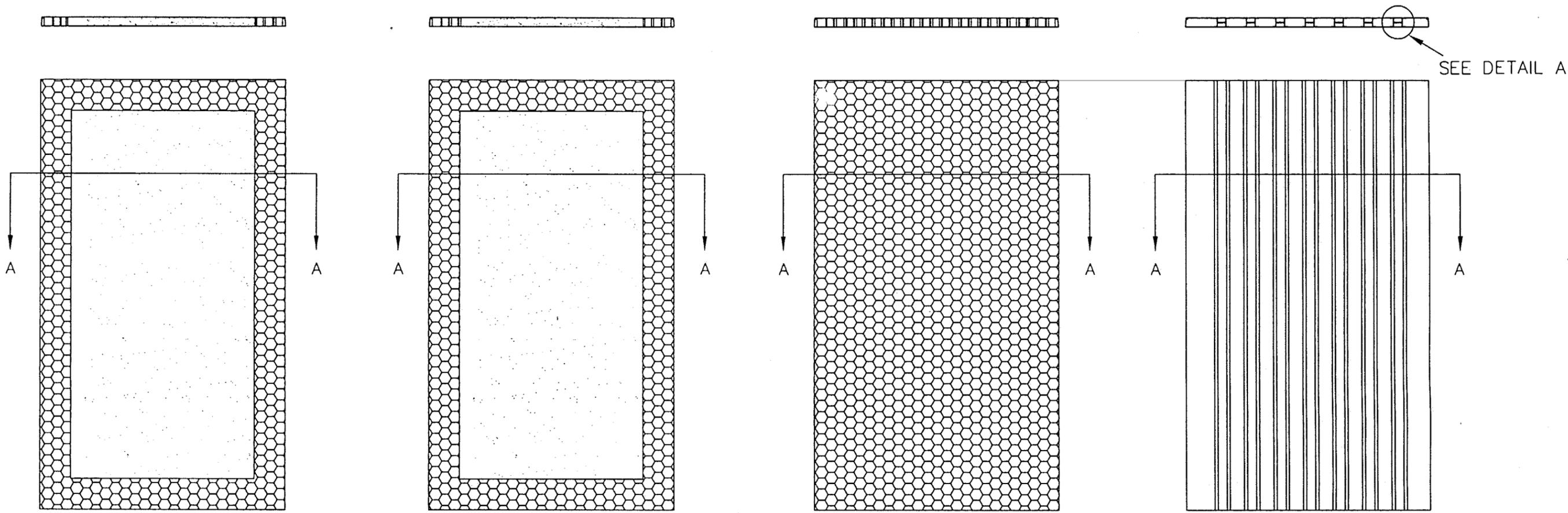
APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE July 2 1998  
 BY Manuel Puz  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 97-0811.05

BEND RADIUS				<b>IR</b> INGERSOLL-RAND COMPANY STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION					
DRAWN <b>RK</b>	DATE 8.18.97	TITLE DADE COUNTY CROSS SECTION OF DOOR AND FRAME VON DUPRIN EXIT HARDWARE			
CHECKED		SIZE FLAT	DWG NO. 183W	SHEET 5 OF 10	REV D
APPROVED		SCALE: 2	AUTOCAD		
ENG. APPVL					



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	8.18.97	
B	REVISED DWG & ADDED NOTE	8.19.97	
C	REMOVED NOTE	2.24.98	
D	ADDED NOTES UNDER VIEWS	4.15.98	

SECTION A-A



(A) POLYSTYRENE

HUNTSMAN CHEMICAL CORP.  
EXPANDED POLYSTYRENE FOAM  
GRADES 54 & 86  
DENSITY - 1.0 lb/CUFT  
OR  
THERMOSAFE EXPANDED  
POLYSTYRENE BR4 X-4L19  
DENSITY - 1 lb/CUFT

(B) POLYURETHANE

DOW CHEMICAL TRYMER 2000  
DENSITY-1.8 LBS/COFT MIN.

(C) HONEYCOMB

PHENOLIC RESIN IMPREGNATED  
KRAFT PAPER 1" CELL SIZE

(D) STEEL STIFFENED

HAT SHAPED SECTIONS 20 GA.  
MIN. WELDED 6" O.C. TO INSIDE  
FACE SHEETS, HAT SHAPE  
STIFFENERS TO BE WELDED  
TOGETHER AT TOP & BOTTOM

DOOR WIDTH	STIFFENERS
22,20	3
24,26,24	4
210,30	5
32,34,32	6
38,310,40	7

NOTE:  
CORE MATERIAL SHOWN  
WITHOUT HARDWARE REINFORCMENTS

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0129.06

EXPIRATION DATE 7-2-06

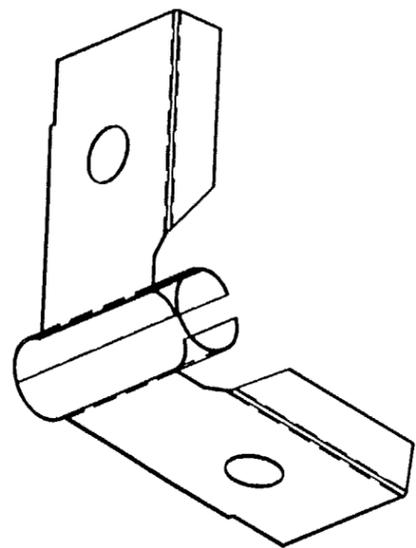
By Mamuel Perez  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE July 2, 1998  
BY Mamuel Perez  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 97-0811.05

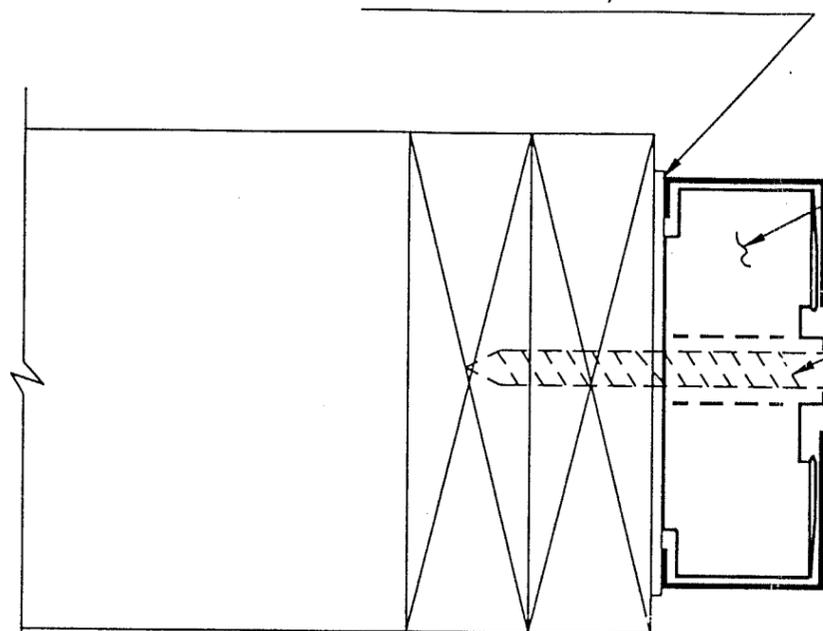
BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN RK	DATE 8.18.97
CHECKED	
APPROVED	
ENG. APPVL.	

<b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242			
TITLE DADE COUNTY DADE COUNTY TEST UNIT CORE MATERIALS			
SIZE	FLAT	DWG NO. 183W	REV D
SCALE:	21	AUTOCAD	SHEET 6 OF 10

18 GA.  
2.56" X 6.94"



SHIM SPACE 1/4" MAX.



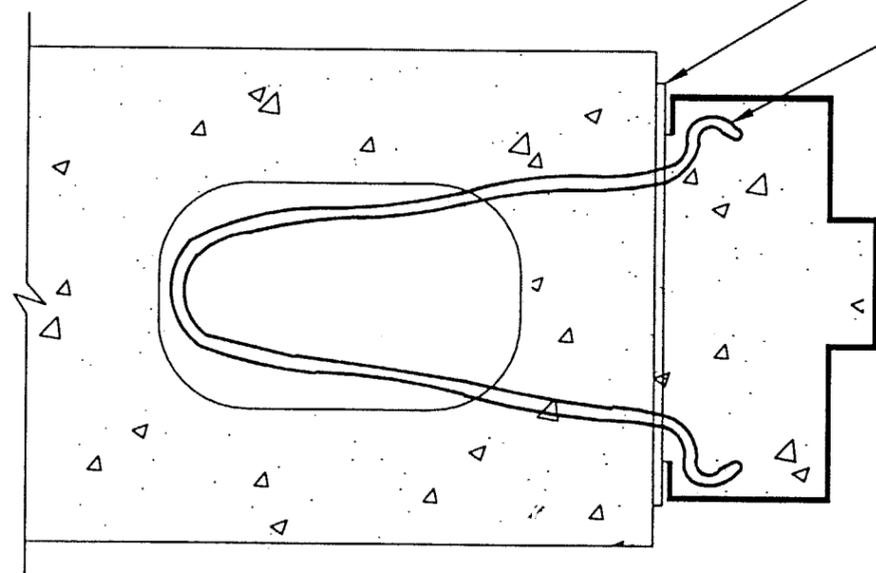
EMA ANCHOR  
18 GA. GALV.  
2.56 X 6.94 FOR 5 3/4 JD  
3/8 X 5" LAG SCREW

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	8.18.97	
B	REMOVED NOTE	2.24.98	
C	ADDED ANCHOR DETAIL	5.26.98	

(EMA) EXISTING MASONRY ANCHOR

WOOD STUD ANCHOR

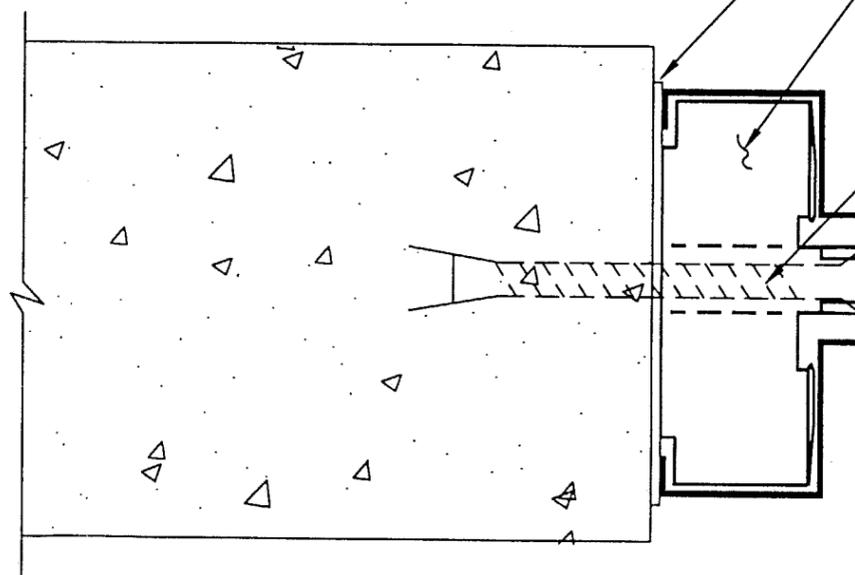
SHIM SPACE 1/4" MAX.



WIRE ANCHOR  
3/16" DIA. BRIGHT  
BASIC WIRE  
5.19 X 9.56

WIRE MASONRY ANCHOR

SHIM SPACE 1/4" MAX.



EMA ANCHOR  
18 GA. GALV.  
2.56 X 6.94 FOR 5 3/4 JD

3/8 X 5" SLEEVE ANCHOR

EXISTING MASONRY WALL ANCHOR

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0129.06

EXPIRATION DATE 7-2-06

By *Maureen Jera*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE July 2, 1998  
BY *Maureen Jera*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 97-0811.05

BEND RADIUS				INGERSOLL-RAND COMPANY	
THIRD ANGLE PROJECTION				STEELCRAFT MFG.	
DRAWN	DATE	9017 BlueAsh Rd. Cincinnati Ohio 45242			
RK	8.18.97	TITLE DADE COUNTY ANCHOR DETAILS / MOUNTING CONDITIONS			
CHECKED		SIZE	FLAT	DWG NO.	REV
APPROVED				183W	SHEET 7 OF 10
ENG. APPVL		SCALE: 1	AUTOCAD		C

OPENING SIZE SINGLES AS STANDARD SIZES

L, B & SL DOORS

WIDTH	HEIGHT	GA.	MAT'L
2'-0"	6'-8"	16	CRS
2'-4"			
2'-8"			
2'-10"			
3'-0"	6'-10"	14	GALV.
3'-4"			
3'-6"	7'-0"	SEE TABLE	STL.
3'-8"			
3'-10"			
4'-0"			

CE DOORS

WIDTH	HEIGHT	GA.	MAT'L
2'-8"	6'-8"	16	GALV.
2'-10"	6'-10"		
3'-0"	7'-0"		
		SEE TABLE	

F FRAME

WIDTH		HEIGHT	JAMB DEPTH	GA.	MAT'L
SINGLE	PAIR				
2'-0"	4'-0"				
2'-4"	4'-8"				
2'-6"	5'-0"				
2'-8"	5'-4"				
2'-10"	5'-8"	6'-8"	5-3/4"	16	CRS
3'-0"	6'-0"	6'-10"	6-3/4"	14	GALV.
3'-4"	6'-8"	7'-0"	7-3/4"	12	STL.*
3'-6"	7'-0"		10-3/4"	SEE TABLE	
3'-8"	7'-4"		12-3/4"		
3'-10"	7'-8"		SEE NOTES		
4'-0"	8'-0"				

PRODUCT RENEWED

ACCEPTANCE No. 01-0129.06

EXPIRATION DATE 7-2-06

By *Manuel Perez*

PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	9.22.97	
B	REMOVED NOTE	2.24.98	
C	ADDED NOTES	4.23.98	

NOTE:  
OTHER SIZES AVAILABLE AS SPECIALS.  
ALL HEIGHTS AND WIDTHS CORRELATE

FRAMES:  
JAMB DEPTHS AVAILABLE IN 1/8"

\* STL STL AVAILABLE IN 16 GA. ONLY

OTHER SIZE FRAMES & JAMB DEPTHS AVAILABLE AS SPECIALS.

APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE  
DATE July 2, 1998  
BY *Manuel Perez*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 97-0811.05

OPENING SIZE PAIRS AS STANDARD SIZES

WIDTH	HEIGHT	GA.	MAT'L
4'-0"	6'-8"	16	CRS
4'-8"			
5'-0"			
5'-4"			
5'-8"	6'-10"	14	GALV.
6'-0"			
6'-8"	7'-0"	SEE TABLE	STL.
7'-0"			
7'-4"			
7'-8"			
8'-0"			

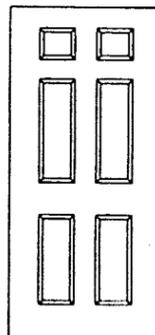
WIDTH	HEIGHT	GA.	MAT'L
5'-4"	6'-8"	16	GALV.
5'-8"	6'-10"		
6'-0"	7'-0"		
		SEE TABLE	

MU FRAMES

WIDTH		HEIGHT	JAMB DEPTH	GA.	MAT'L
SINGLE	PAIR				
2'-0"	4'-0"				
2'-4"	4'-8"				
2'-6"	5'-0"				
2'-8"	5'-4"				
2'-10"	5'-8"	6'-8"	5-3/4"	16	CRS
3'-0"	6'-0"	6'-10"	5-7/8"	14	GALV.
3'-4"	6'-8"	7'-0"	6-1/4"		
3'-6"	7'-0"		7-1/8"	SEE TABLE	
3'-8"	7'-4"		12-3/4"		
3'-10"	7'-8"		SEE NOTES		
4'-0"	8'-0"				

FLUSH DOORS MODELS  
L  
B  
SL

EMBOSSSED DOOR MODEL  
CE  
6 PANEL ONLY



CRS: 1008  
ASTM A366  
GALV: A60  
ASTM A924  
STL: 304, 306  
ASTM A240

GUAGE	MIN. THK.
16	.053"
14	.067"
12	.099"

MIN. YIELD STRESS  
25,200 psi

BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN RK	DATE 9.22.97
CHECKED	
APPROVED	
ENG. APPVL	

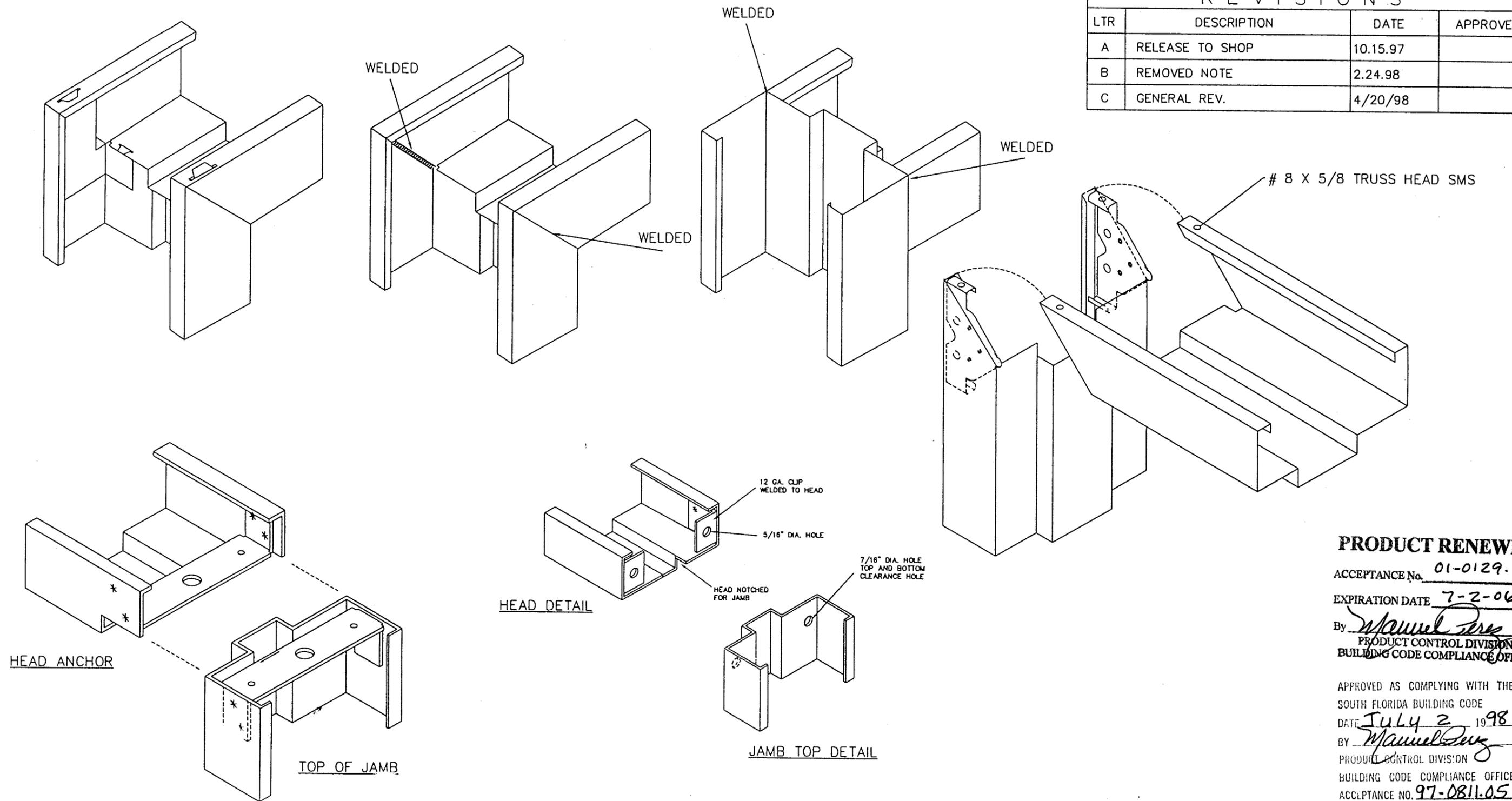
**IR** INGERSOLL-RAND COMPANY  
STEELCRAFT MFG.  
9017 BlueAsh Rd. Cincinnati Ohio 45242

TITLE DADE COUNTY  
OPENING SIZE & DOOR SPECS.

SIZE FLAT DVG NO. 183W SHEET 8 OF 10 REV C

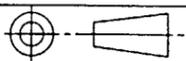
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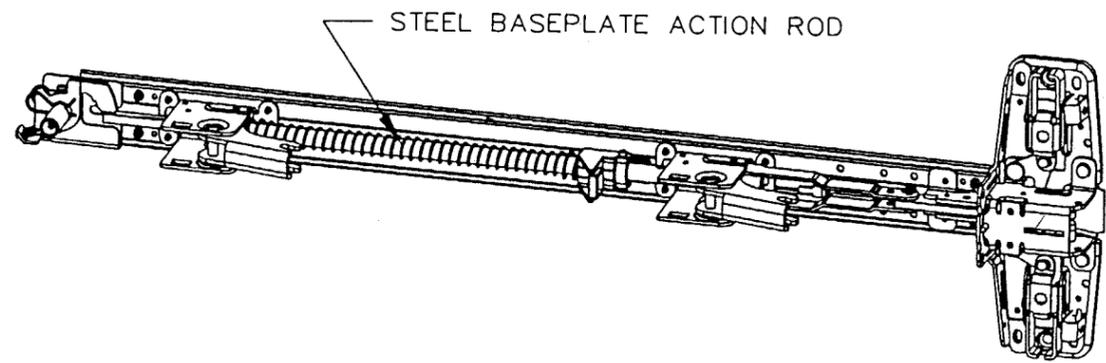
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	10.15.97	
B	REMOVED NOTE	2.24.98	
C	GENERAL REV.	4/20/98	



**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0129.06  
 EXPIRATION DATE 7-2-06  
 By Manuel Perez  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE July 2 1998  
 BY Manuel Perez  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 97-0811.05

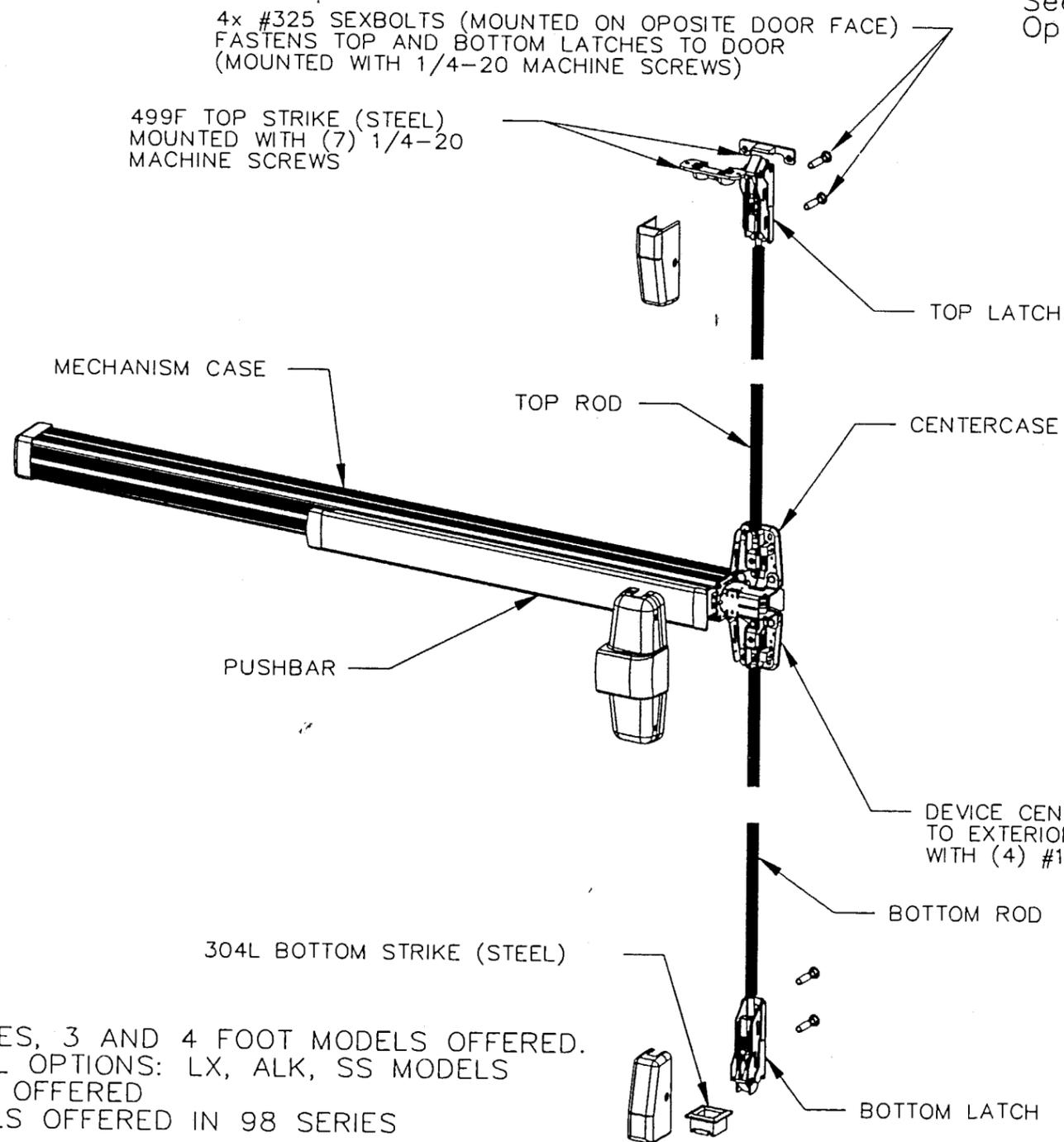
BEND RADIUS 1		 <b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242					
THIRD ANGLE PROJECTION 							
DRAWN <b>JU</b> CHECKED	DATE 10.15.97	TITLE DADE COUNTY CORNER DETAILS FOR FLUSH FRAME AND MU FRAMES					
APPROVED		SIZE	FLAT	DWG NO. 183W	SHEET	09 OF 10	REV C
ENG. APPVL		SCALE:	2	AUTOCAD			



STEEL BASEPLATE ACTION ROD

4x #325 SEXBOLTS (MOUNTED ON OPOSITE DOOR FACE)  
FASTENS TOP AND BOTTOM LATCHES TO DOOR  
(MOUNTED WITH 1/4-20 MACHINE SCREWS)

499F TOP STRIKE (STEEL)  
MOUNTED WITH (7) 1/4-20  
MACHINE SCREWS



MECHANISM CASE

TOP ROD

CENTERCASE

PUSHBAR

DEVICE CENTERCASE THRU BOLTED  
TO EXTERIOR TRIM (NOT SHOWN)  
WITH (4) #10-24 MACHINE SCREWS

BOTTOM ROD

304L BOTTOM STRIKE (STEEL)

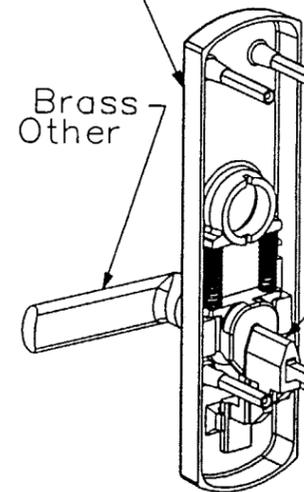
BOTTOM LATCH

Housing: Brass

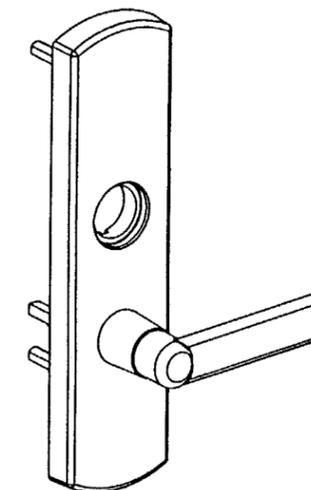
Stud Fasteners:  
Steel, 10-24 THREADS

Lever Handle: Brass  
See Cat. For Other  
Options.

Slider: Steel



992 BACK ISOMETRIC VIEW



992 FRONT ISOMETRIC VIEW

NOTES:

- MULTIPLE FINISHES, LEVER STYLES OFFERED
- B.E. OPTION ALSO OFFERED (NO CYLINDER USED)

NOTES:

- ALL FINISHES, 3 AND 4 FOOT MODELS OFFERED.
- ELECTRICAL OPTIONS: LX, ALK, SS MODELS
- PN MODEL OFFERED
- ALL MODELS OFFERED IN 98 SERIES

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0129.06

EXPIRATION DATE 7-2-06

By Manuel Puz

PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE

DATE July 2, 1998

BY Manuel Puz

PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 97-0811.05

97-294
PART NO.
97_293
PART NO.

VON DUPRIN, INC.

2720 TOBEY DRIVE  
INDIANAPOLIS, INDIANA 46219

TITLE  
HH9927 DEVICE-SFBC CERTIFICATION

DO NOT SCALE

DWG NO. 183W

SHEET 10 OF 10

REV

**B**