



**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 (F,M frames) Flush Single 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.

**ACCEPTANCE NO.: 01-0129.12**  
**EXPIRES: 07/22/2006**

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: 05/24/2001**

Steelcraft Manufacturing Co.

ACCEPTANCE No.: 01-0129.12

APPROVED : May 24, 2001

EXPIRES : July 22, 2006

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

1.1 This renews the Notice of Acceptance No. 98-0122.05 which was issued on July 22, 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 Door and F, MU Frame Flush Single Outswing Commercial Steel Door - Impact and its components shall be constructed in strict compliance with the following documents: Drawing No 189-W, Sheets 1 through 11 of 11, titled "Series L16-4 4070 Single with Schlage Hardware", prepared by manufacturer, dated 8/7/97 thru 10/15/97 & 06-02-98 and last revised on 05/01/01, 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 single door only, as shown in approved drawings.

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.

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

Steelcraft Manufacturing Co.

ACCEPTANCE No.: 01-0129.12

APPROVED : May 24, 2001

EXPIRES : July 22, 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**

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

Steelcraft Manufacturing Co.

ACCEPTANCE No.: 01-0129.12

APPROVED : May 24, 2001

EXPIRES : July 22, 2006

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

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

- A. **DRAWINGS** (original transferred from file 98-0122.05)
1. Manufacturer's die drawings and sections.
  2. Drawing No **189-W**, Sheets 1 through 11 of 11, titled "Series L16-4 4070 Single with Schlage Hardware", prepared by manufacturer, dated 8/7/97 thru 10/15/97 & 06-02-98 and last revised on 05/01/01.
- (Reviewer's note :Dwg 189W, sheet 1 of 11 and 4 of 11 has been revised for elevation anchors clarification due to incoming field installation inquiries-IC 05-03-01)
- B. **TESTS** (original transferred from file 98-0122.05)
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, Inc. Test Report No. **CTLA-189W**, reported on August 11, 1997, signed and sealed by Ramesh Patel, P.E
- C. **CALCULATIONS** (original transferred from file 98-0122.05)
1. Anchor calculations prepared by Product & Application Engineering, Inc., dated 8/97 and revised on 06/04/98, signed and sealed by Jales L. Holsonback, P.E.
- D. **MATERIAL CERTIFICATIONS** (original transferred from file 98-0122.05)
1. Tensile Test prepared by CTL Architectural Division, Report No. **CTLA-189W**, dated 7/3/97, for steel samples, tested per ASTM E8, 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. Underwriter's Laboratories, Inc. Listing R7503 issued to **Huntsman Chemical Corp.** expanded polystyrene foam grades 54 and 86 per ASTM E-84.
  4. 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.
  5. Underwriters Laboratories, Inc. Listing: R5653 (N) issued to **Dow Chemical Co.** for their **Trymer 2000** brand rigid polyurethane foam insulation per ASTM E-84 and ASTM D-1929.
  6. Underwriter's Laboratories, Inc.: UL File No. R14213 issued to **PolyFoam Packers Corporation** for their **ThermoSafe** Expanded Polystyrene BRYX foam plastic-4L19.

Ishaq I. Chanda

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

Steelcraft Manufacturing Co.

ACCEPTANCE No.: 01-0129.12

APPROVED : May 24, 2001

EXPIRES : July 22, 2006

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

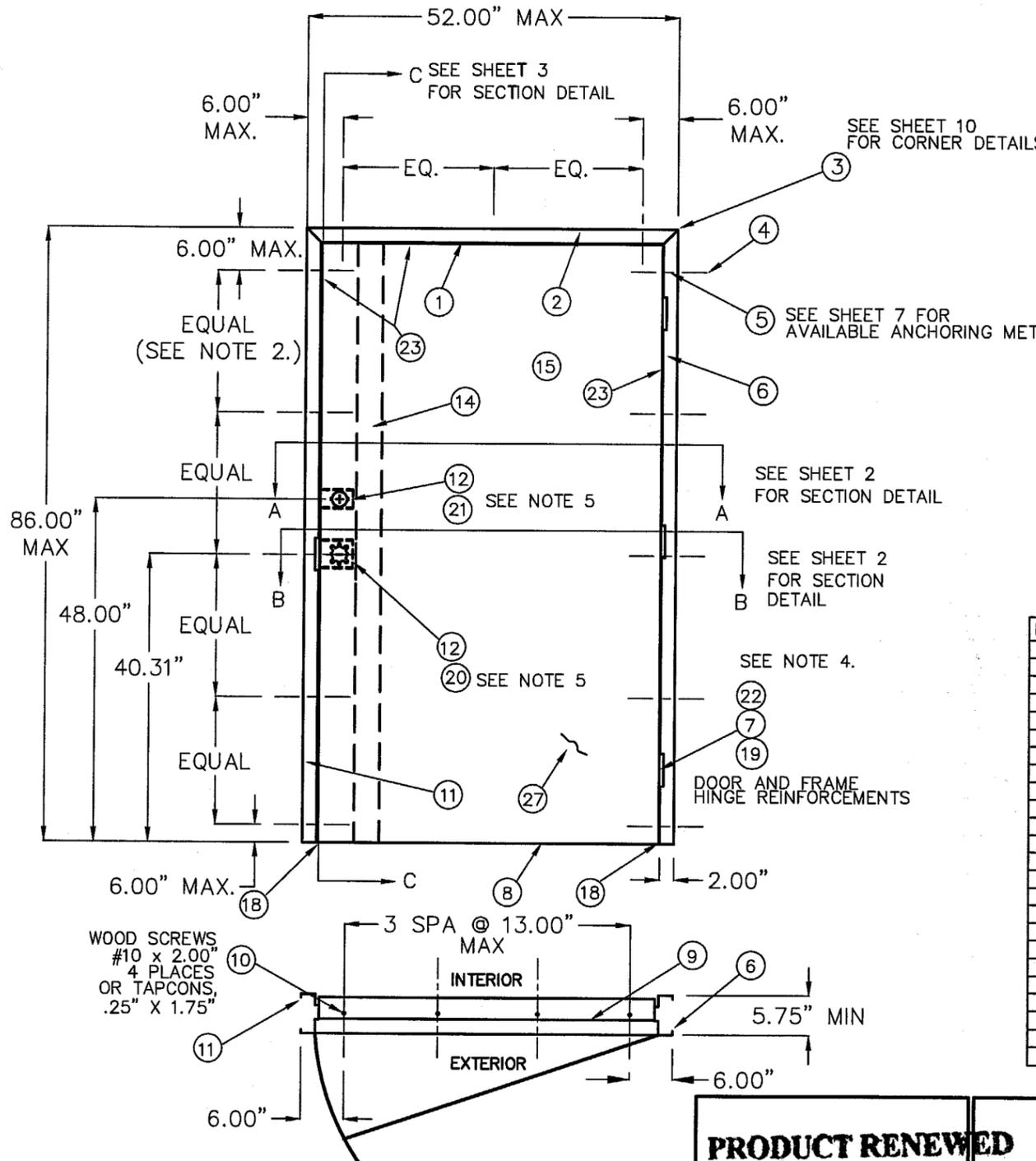
**E. STATEMENTS**

1. Statement letter of conformance dated December 17, 1997, signed by Ramesh C. Patel, P.E.
2. Statement letter of no financial interest, dated December 09, 1997, signed by Jack Updike.
3. Statement letter dated 01-19-2001 issued by Steelcraft that product has not changed.
4. Statement letter dated 01-19-2001 signed by James Holsonback, P.E. that he is still practicing engineer.

**F. OTHERS**

1. Notice of Acceptance **98-0122.05** issued to Steelcraft Manufacturing Co. for their Series B, CE, L, SL Outswing Commercial Steel Door-Impact, dated 07/22/98, and expiring on 07/22/01.

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



| REVISIONS |                    |              |          |
|-----------|--------------------|--------------|----------|
| LTR       | DESCRIPTION        | DATE         | APPROVED |
| A         | RELEASE TO SHOP    | 8.7.97       |          |
| B         | REVISED NOTES      | 10.31.97     |          |
| C         | GENERAL REV.       | JU 12/22/97  |          |
| C         | GENERAL REV.       | JU 12/22/97  |          |
| E         | GENERAL REV        | 5.11.98      |          |
| F         | APPROVAL REVISION  | 6.1.98       |          |
| G         | REV'D NOTES, DIM'S | YMF 05/01/01 |          |

**NOTES:**

- 2 ROWS OF PS074 WEATHERSTRIPPING ON HEAD AND JAMBS SEE SHT 2 & 3
- MIN. (5) ANCHORS PER JAMB AND (3) ANCHORS IN HEAD REQUIRED, APPROX. EQUALLY SPACED IN LENGTH (NOT TO EXCEED 24" O.C.)
- SEE SHEET 8 FOR AVAILABLE STANDARD OPENING SIZES AND 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.

| ITEM | QUANTITY | DESCRIPTION   | MATERIAL                | SIZE                       |
|------|----------|---|-------------------------|----------------------------|
| 1    | 1        | TOP CAP GALV. A60 ASTM A924                                       | 24 GA. GALV. (.022 MIN) | .50" X 1.719" X 47.66" MAX |
| 2    | 1        | HEAD  | 16 GA. MIN. STL         | MAX. 52"                   |
| 3    | 2        | CORNER PREP   | SEE SHT 10              |                            |
| 4    | 13       | EMA SCREW   | STEEL                   | 3/8" X 5"                  |
| 5    | 13       | EMA ANCHOR  | 18 GA. GALV.            | 2.56" X 6.94" MIN.         |
| 6    | 1        | LEFT HAND JAMB HINGE SIDE   | 16 GA. MIN. STL         | MAX. 86"                   |
| 7    | 3        | HINGE REINFORCING DOOR  | 7 GA. STL. MIN          | 1.28" X 9.19"              |
| 8    | 1        | FAS-SEAL DOORSWEEP  | TPE                     | MAX. 47.66"                |
| 9    | 1        | NATIONAL GUARD 950A SILL WITH BUMPER GASKET                       | ALUM. 6063 T5           | .50" X 5" X 48" MAX.       |
| 10   | 4        | THRESHOLD FASTNERS WOOD OR TAPCONS                                | STEEL                   | (10 X 2") (.25 X 1.75")    |
| 11   | 1        | STRIKE ASA WITH DEADBOLT STRIKE / JAMB SEE SHT 8                  | 16 GA. MIN. STL         | MAX. 86"                   |
| 12   | 1        | CYLINDRICAL OR DEADBOLT LOCK REINFORCING                          | 16 GA. CRS/GALV.        | 4.63" X 6.5"               |
| 14   |          | VERTICAL ROD REINFORCING  | 14 GA. STL.             | 4" X 81.5" MAX             |
| 15   | 1        | CORE MATERIAL   | SEE SHT 9               | 47.66" X 81.5" MAX         |
|      |          | A) POLYSTYRENE B) POLYURETHANE<br>C) HONEYCOMB D) STEEL STIFFENED |                         |                            |
| 18   | 2        | CORNER SEAL   | POLYPROPYLENE           | .25 X 1.06" X 1.38"        |
| 19   | 3        | HINGE REINFORCING FRAME   | 7 GA. STL. MIN          | 1.50" X 9.19"              |
| 20   | 1        | SCHLAGE AL OR D CYLINDRICAL LOCKSET                               | SEE SHT 11              |                            |
| 21   | 1        | SCHLAGE B600/700/800 SERIES DEADBOLT                              | SEE SHT 11              |                            |
| 22   | 3        | STANLEY F179/1900 HINGES  | X .134                  | 4.50" X 4.50               |
| 23   | 6        | PS074 WEATHER STRIPPING   | TPE                     | MAX 87.00"                 |
| 27   | 1        | DOOR SLAB   | SEE SHEET 8             | 4070 MAX.                  |

| DESIGN PRESSURE RATING |                                  |  |
|------------------------|----------------------------------|--|
|                        | NOT TESTED FOR WATER PENETRATION | WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED |
| POSITIVE               |                                  | + 60 PSF   |
| NEGATIVE               |                                  | - 60 PSF   |

**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0129-12  
 EXPIRATION DATE July 22, 2006  
 By Ishaq I. Chanda  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN **RK** DATE 8.7.97

CHECKED

APPROVED

ENG. APPVL

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

TITLE DADE COUNTY  
 DADE COUNTY TEST UNIT  
 L16 - 4 4070 SINGLE  
 SCHLAGE HARDWARE

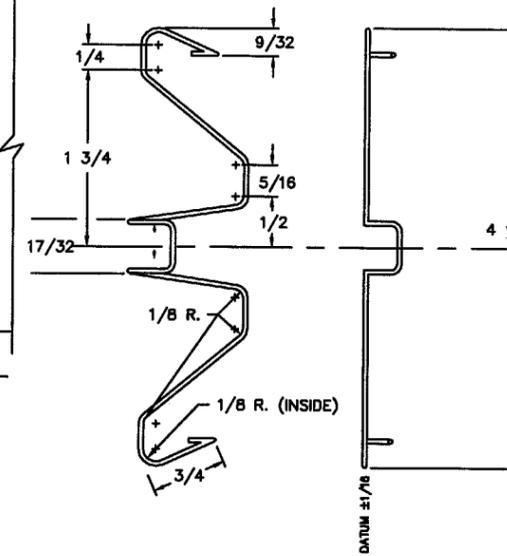
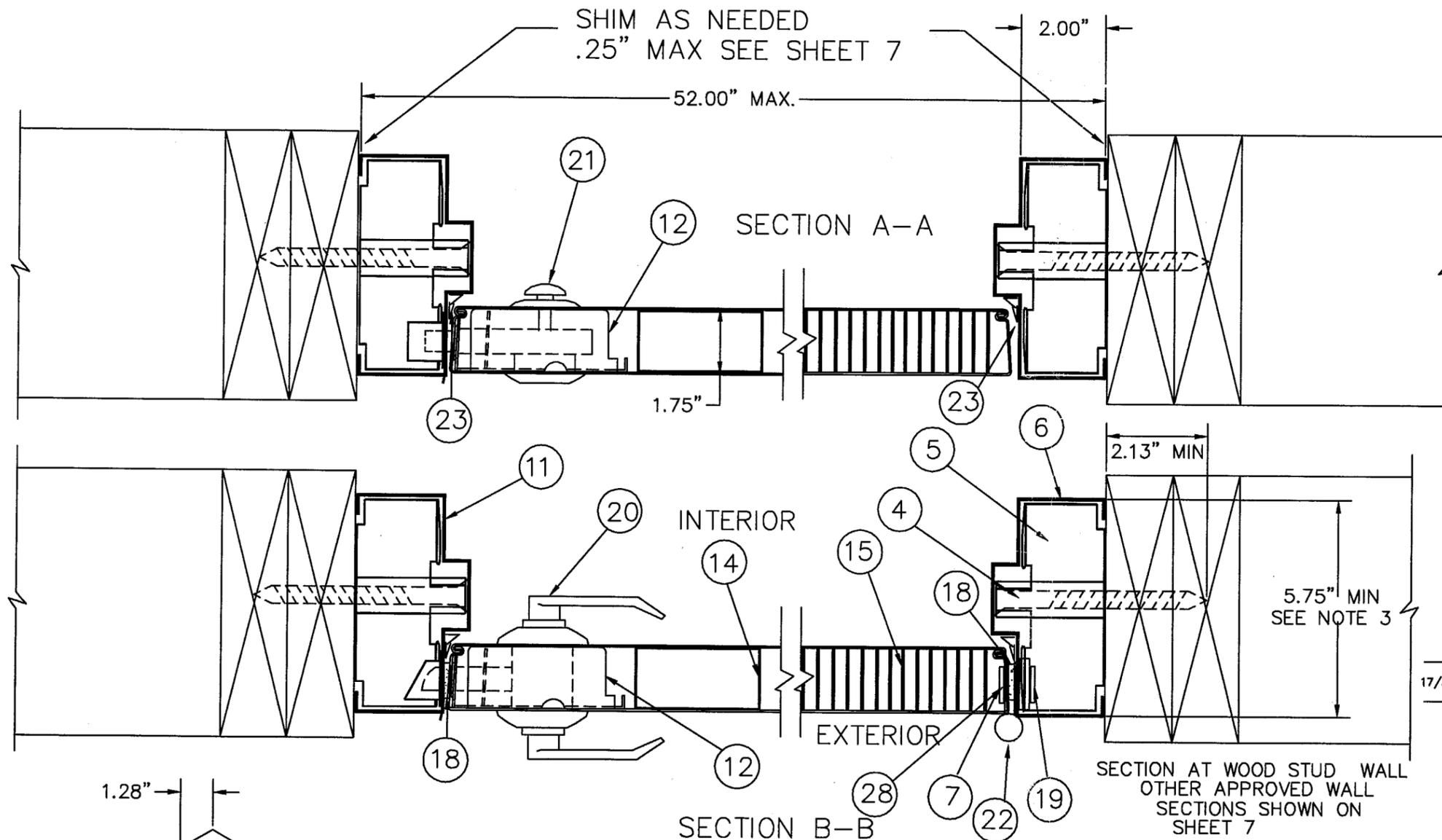
SIZE FLAT DWG NO. 189W SHEET 1 OF 11 REV G

SCALE: 19 AUTOCAD SHEET OF

# REVISIONS

| LTR | DESCRIPTION       | DATE     | APPROVED |
|-----|-------------------|----------|----------|
| A   | RELEASE TO SHOP   | 8.12.97  |          |
| B   | REVISED BORDER    | 10.31.97 |          |
| C   | REMOVED NOTE      | 2.24.98  |          |
| D   | GENERAL REV.      | 5.28.98  |          |
| E   | APPROVAL REVISION | 6.1.98   |          |

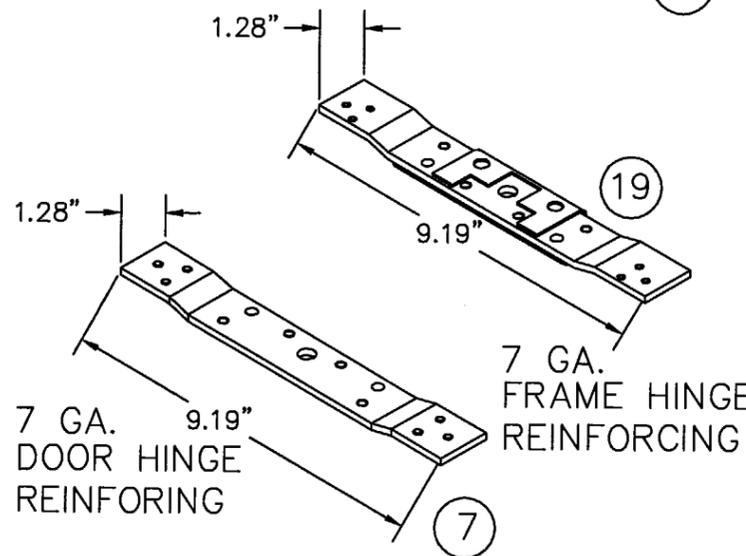
1. SEE SHT 1 FOR ELEVATION MATERIAL AND SIZE
2. SEE SHT 11 FOR OPTIONAL LOCK SETS
3. SEE SHT 8 FOR OTHER JAMB DEPTH, & SPECIFICATIONS



**PRODUCT RENEWED**  
ACCEPTANCE No. 01-0129.12  
EXPIRATION DATE July 24, 2001  
By Ishaq I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

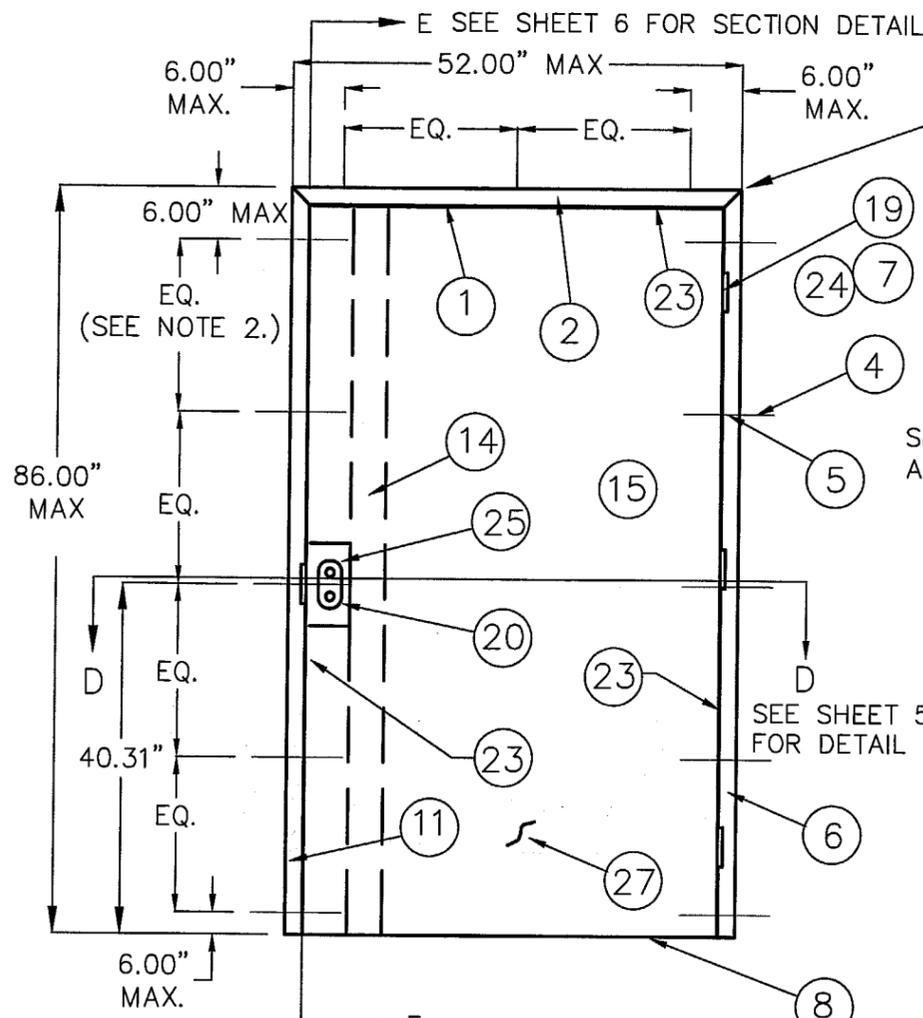
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE July 22 1998  
BY Ishaq I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 98-0122.05

(28) .045 WIRE  
HINGE SPACER



| ITEM | QUANTITY | DESCRIPTION  |
|------|----------|--|
| 4    | 13 TOTAL | EMA SCREW  |
| 5    | 13 TOTAL | EMA ANCHOR   |
| 6    | 1        | LEFT HAND JAMB HINGE SIDE  |
| 7    | 3        | HINGE REINFORCING DOOR   |
| 11   | 1        | STRIKE ASA WITH DEADBOLT STRIKE / JAMB   |
| 12   | 1        | CYLINDRICAL OR DEADBOLT LOCK REINFORCING   |
| 14   | 1        | VERTICAL ROD REINFORCING   |
| 15   | 1        | CORE MATERIAL<br>A) POLYSTYRENE    B) POLYURETHANE<br>C) HONEYCOMB    D) STEEL STIFFENED |
| 18   | 2        | CORNER SEALS   |
| 19   | 3        | HINGE REINFORCING FRAME  |
| 20   | 1        | SCHLAGE AL OR D LEVER LOCKSET  |
| 21   | 1        | SCHLAGE B600/B700/B800 DEADBOLT  |
| 22   | 3        | STANLEY F179/1900 HINGES   |
| 23   | 2        | PS074 WEATHER STRIPPING PER. JAMB  |
| 28   | 3        | WIRE HINGE SPACER .045" STEEL  |

|                        |                 |   |                 |  |          |
|------------------------|-----------------|---|-----------------|--|----------|
| BEND RADIUS            |                 |   |                 | <b>INGERSOLL-RAND COMPANY</b><br>STEELCRAFT MFG.<br>9017 BlueAsh Rd. Cincinnati Ohio 45242 |          |
| THIRD ANGLE PROJECTION |                 |   |                 |  |          |
| DRAWN<br><b>RK</b>     | DATE<br>8.12.97 | TITLE<br>DADE COUNTY<br>CROSS SECTION OF DOOR AND FRAME<br>WITH CYLINDRICAL LOCK REINFORCING<br>AND DEAD BOLT REINFORCING |                 |  |          |
| CHECKED                |                 | SIZE<br>FLAT  | DWG NO.<br>189W | SHEET<br>2 OF 11   | REV<br>E |
| APPROVED               |                 | SCALE:<br>2.8   | AUTOCAD         | SHEET<br>OF  |          |
| ENG. APPVL             |                 |   |                 |  |          |



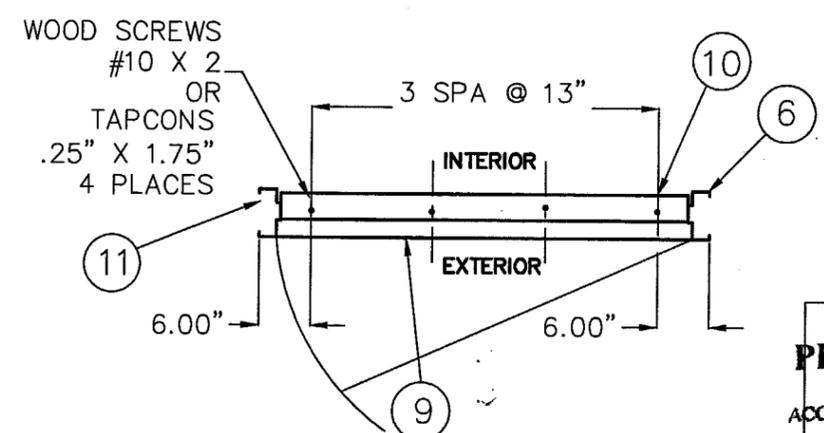
SEE SHEET 6 FOR SECTION DETAIL  
 SEE SHEET 10 FOR CORNER DETAILS  
 SEE SHEET 8 FOR AVAILABLE ANCHORING METHODS  
 SEE SHEET 5 FOR DETAIL

**NOTES:**

- 2 ROWS OF PS074 WEATHERSTRIPPING ON HEAD & JAMBS
- MIN. (5) ANCHORS PER JAMB AND (3) ANCHORS IN 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 RABBIT IN HEAD TO HINGE 9.75" MAX
- HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS.

| REVISIONS |                         |              |          |
|-----------|-------------------------|--------------|----------|
| LTR       | DESCRIPTION             | DATE         | APPROVED |
| A         | RELEASE TO SHOP         | 8.7.97       |          |
| B         | REVISED DWG.            | 10.31.97     |          |
| C         | CHANGE ANCHOR LOCATIONS | 12/22/97     |          |
| D         | REMOVED NOTE            | 2.24.98      |          |
| E         | GENERAL REV             | 5.11.98      |          |
| F         | APPROVAL REVISION       | 6.1.98       |          |
| G         | REV'D NOTES, DIM'S      | YMF 05/01/01 |          |

| ITEM | QUANTITY | DESCRIPTION   | MATERIAL                | SIZE                     |
|------|----------|---|-------------------------|--------------------------|
| 1    | 1        | TOP CAP GALV. A60 ASTM A924                                       | 24 GA. GALV. (.022 MIN) | .50" X 1.719 X 47.66"    |
| 2    | 1        | HEAD  | 16 GA. MIN. STL         | MAX. 52"                 |
| 3    | 2        | CORNER PREP   | SEE SHT 10              |                          |
| 4    | 13       | EMA SCREW   | STEEL                   | 3/8" X 5"                |
| 5    | 13       | EMA ANCHOR  | 18 GA. GALV.            | 2.56" X 6.94" MIN.       |
| 6    | 1        | LEFT HAND JAMB HINGE SIDE SEE SHT 8                               | 16 GA. MIN. STL         | MAX. 86"                 |
| 7    | 3        | HINGE REINFORCING DOOR  | 7 GA. STL. MIN          | 1.28" X 9.19"            |
| 8    | 1        | FAS-SEAL DOORSWEEP  | TPE                     | MAX. 47.66"              |
| 9    | 1        | NATIONAL GUARD 950A SILL WITH BUMPER GASKET                       | ALUM. 6063 T5           | .50" 5" X 48" MAX.       |
| 10   | 4        | THRESHOLD FASTNERS WOOD OR TAPCONS                                | STEEL                   | (#10 X 2) (.25" X 1.75") |
| 11   | 1        | STRIKW WITH ASA / JAMB SEE SHT 8                                  | 16 GA. MIN. STL         | MAX. 86"                 |
| 14   | 1        | VERTICAL ROD REINFORCING  | 14 GA. STL.             | 4" X 81.5" MAX           |
| 15   | 1        | CORE MATERIAL   | SEE SHT 9               | 47.66" X 81.5" MAX       |
|      |          | A) POLYSTYRENE B) POLYURETHANE<br>C) HONEYCOMB D) STEEL STIFFENED |                         |                          |
| 18   | 2        | CORNER SEAL   | POLYPROPYLENE           | .25 X 1.06" X 1.38"      |
| 19   | 3        | HINGE REINFORCING FRAME   | 7 GA. STL. MIN          | 1.50" X 9.19"            |
| 20   | 1        | SCHLAGE L9400 SERIES MORTISE LOCKSET                              | SEE SHT 11              |                          |
| 23   | 6        | PS074 WEATHER   | TPE                     | MAX 87.00'               |
| 24   | 3        | STANLEY F179/1900 HINGES  | X.134                   | 4.50" X 4.50"            |
| 25   | 1        | GOVERNMENT 86 LOCK REINFORCING                                    | 12 GA. STL.             | 4.50" X 10"              |
| 27   | 1        | DOOR SLAB   | SEE SHEET 8             | 4070 MAX.                |



**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0129-12  
 EXPIRATION DATE JULY 22, 2006  
 By Ishag I. Lhanda  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN **RK** DATE **8.7.97**

CHECKED

APPROVED

ENG. APPVL

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

TITLE **DADE COUNTY TEST UNIT L16 - 4 4070 SINGLE**

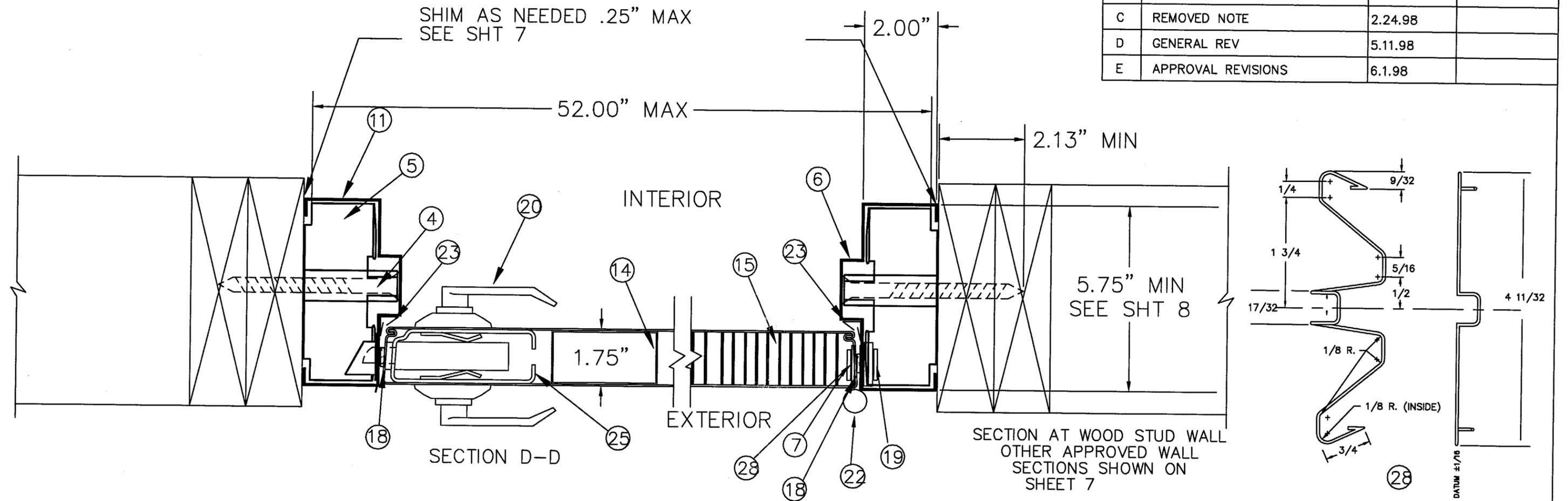
SIZE **FLAT** DWG NO. **189W** SHEET **4 OF 11** REV **G**

SCALE: **19** AUTOCAD SHEET OF

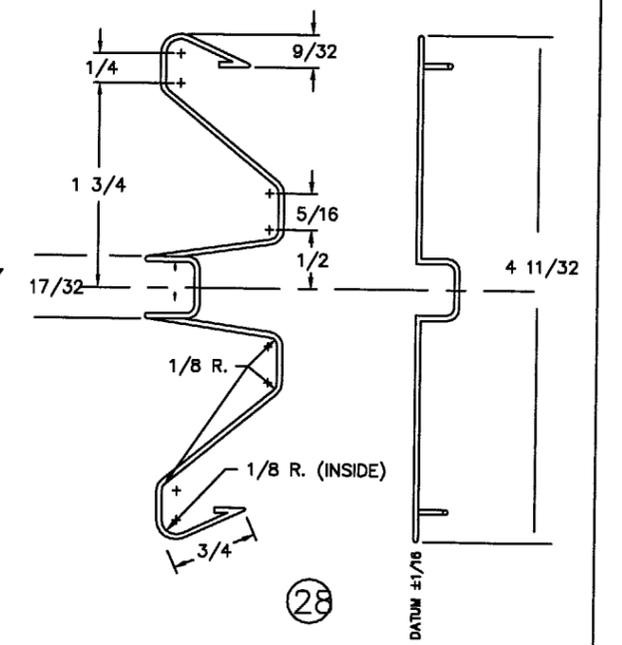
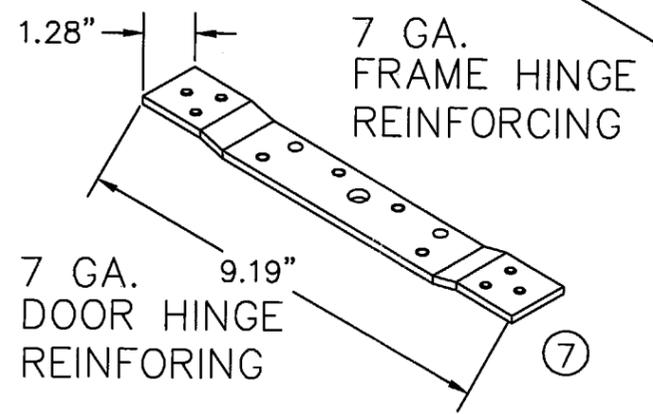
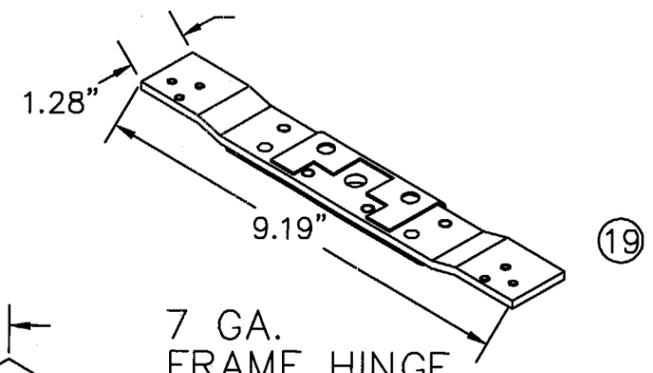
| DESIGN PRESSURE RATING |                                  |  |
|------------------------|----------------------------------|--|
|                        | NOT TESTED FOR WATER PENETRATION | WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED |
| POSITIVE               |                                  | +60 PSF  |
| NEGATIVE               |                                  | - 60 PSF   |

REVISIONS

| LTR | DESCRIPTION        | DATE     | APPROVED |
|-----|--------------------|----------|----------|
| A   | RELEASE TO SHOP    | 8.12.97  |          |
| B   | REVISED DWG.       | 10.31.97 |          |
| C   | REMOVED NOTE       | 2.24.98  |          |
| D   | GENERAL REV        | 5.11.98  |          |
| E   | APPROVAL REVISIONS | 6.1.98   |          |



1. SEE SHEET 4 FOR ELEVATION
  2. SEE SHEET 11 LOCK SETS
  3. SEE SHT 8 FOR OTHER,
  4. JAMB DEPTHS AND SPECIFICATIONS
- SEE SHEET 4 FOR ELEVATION



| ITEM | QUANTITY | DESCRIPTION                          |
|------|----------|--------------------------------------|
| 4    | 13       | EMA SCREW                            |
| 5    | 13       | EMA ANCHOR                           |
| 6    | 1        | LEFT HAND JAMB HINGE SIDE            |
| 7    | 3        | HINGE REINFORCING DOOR               |
| 11   | 1        | STRIKE WITH MORTISE LOCKSET JAMB     |
| 14   | 1        | VERTICAL ROD REINFORCING             |
| 15   | 1        | CORE MATERIAL                        |
|      |          | A) POLYSTYRENE      B) POLYURETHANE  |
|      |          | C) HONEYCOMB      D) STEEL STIFFENED |
| 18   | 2        | CORNER SEALS                         |
| 19   | 3        | HINGE REINFORCING FRAME              |
| 20   | 1        | SCHLAGE L9400 SERIES MORTISE LOCKSET |
| 22   | 3        | STANLEY F179/1900 HINGES             |
| 23   | 2        | PS074 WEATHER STRIPPING PER. JAMB    |
| 25   | 1        | GOVERNMENT 86 LOCK REINFORCING       |
| 28   | 3        | WIRE HINGE SPACER .045\"/>           |

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0129.12 APPROVED AS COMPLYING WITH THE SOUTH FLORIDA BUILDING CODE

EXPIRATION DATE July 22, 2006 DATE July 22 19 98

By Ishag I. Chanda BY Ishag I. Chanda

PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE

PRODUCT CONTROL DIVISION BUILDING CODE COMPLIANCE OFFICE ACCEPTANCE NO. 98-0122-05

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

THIRD ANGLE PROJECTION

DRAWN **RK** DATE 8.12.97

CHECKED

APPROVED

ENG. APPVL

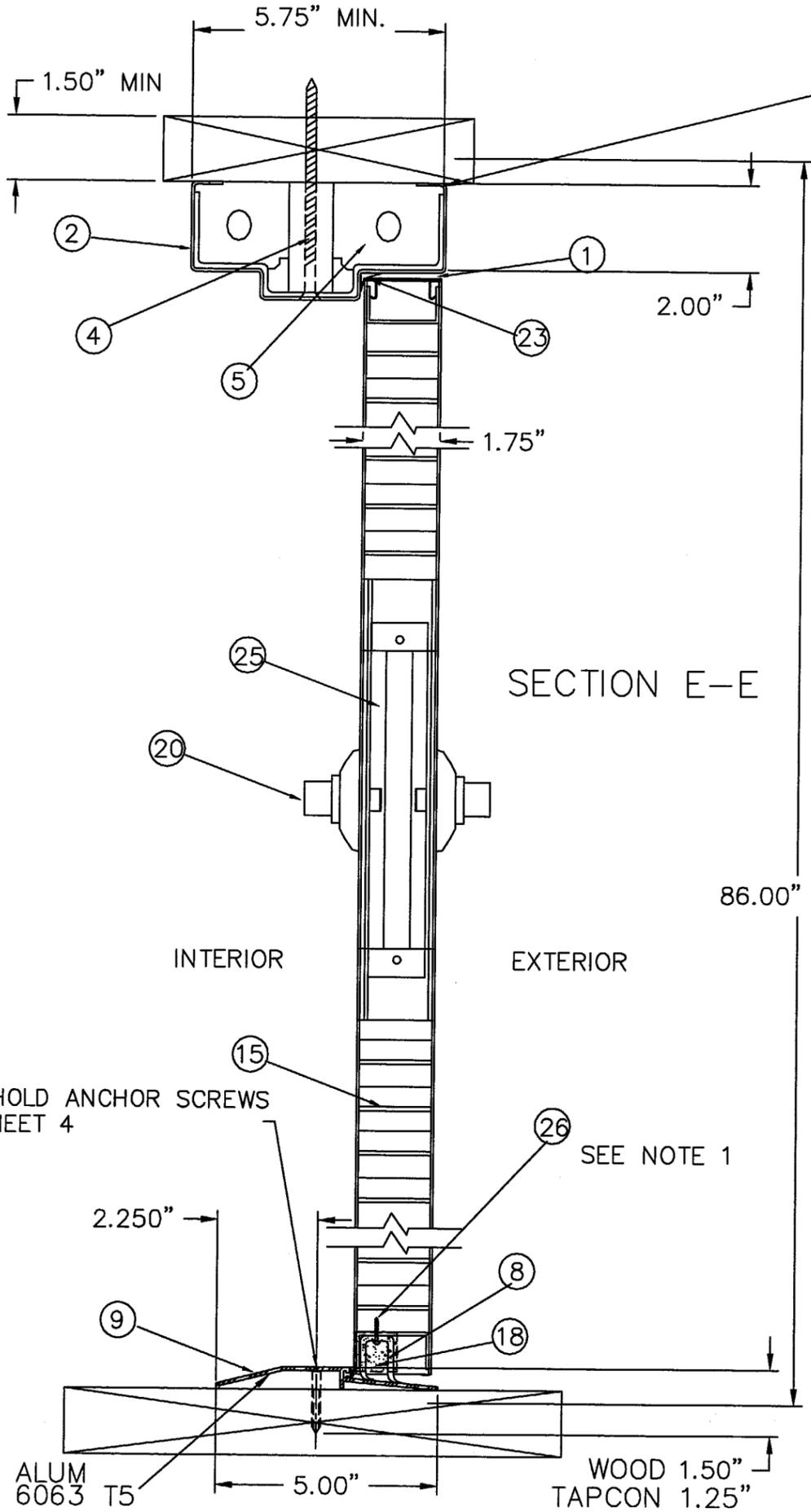
TITLE: **DADE COUNTY**  
CROSS SECTION OF DOOR AND FRAME WITH MORTISE LOCK REINFORCING

SIZE: FLAT DWG NO. 189W SHEET 5 OF 11 REV E

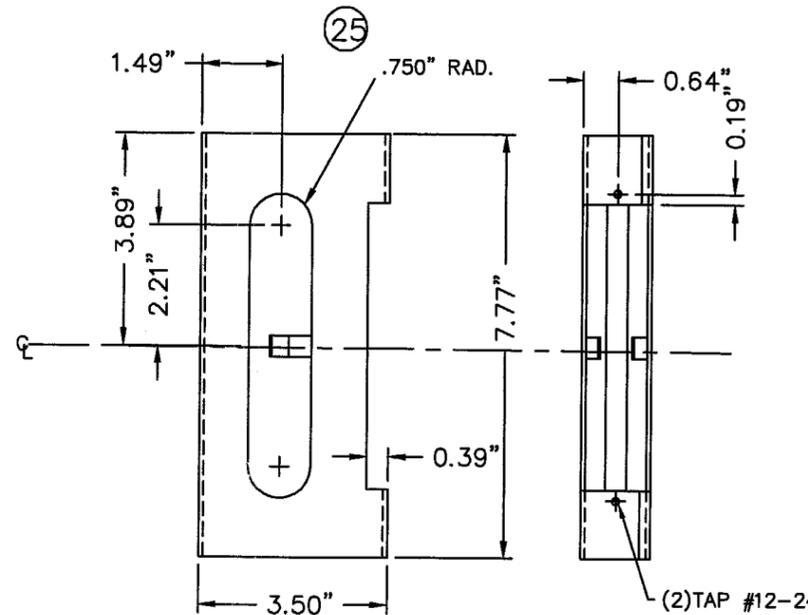
SCALE: 2.5 AUTOCAD SHEET OF

REVISIONS

| LTR | DESCRIPTION       | DATE     | APPROVED |
|-----|-------------------|----------|----------|
| A   | RELEASE TO SHOP   | 8.12.97  |          |
| B   | REVISED DWG.      | 10.31.97 |          |
| C   | REMOVED NOTE      | 2.24.98  |          |
| D   | GENERAL REV       | 5.11.98  |          |
| E   | APPROVAL REVISION | 6.1.98   |          |



.25" SHIM MAX.  
BETWEEN FRAME & OPENING  
SEE SHT 7 FOR WALL  
CONDITIONS



12 GA. GOVERNMENT  
86 LOCK REINFORCING

- NOTE:**
- FOR 30 DOOR AND UNDER  
3 SCREWS 3.88" FROM ENDS  
WITH A MAX SPACING OF 13.56  
BETWEEN SCREWS  
FOR 30 TO 40 DOORS 4 SCREWS  
3.88" FROM END AND A MAX  
SPACING OF 17.88"
  - SEE SHEET 4 FOR ELEVATION
  - SEE SHE 11 FOR OPTIONAL LOCKSETS
  - SEE SHEET 8 SINGLE AVAILABLE
  - STANDARD OPENING SIZE & SPECIFICATIONS

| ITEM | QUANTITY  | DESCRIPTION  |
|------|-----------|--|
| 1    | 1         | TOP CAP  |
| 2    | 1         | HEAD   |
| 4    | 7 TOTAL   | EMA SCREW 3/8 X 5  |
| 5    | 7 TOTAL   | EMA ANCHOR   |
| 8    | 1         | FAS-SEAL DOOR SWEEP  |
| 9    | SEE SHT 1 | NATIONAL GUARD 950A SILL WITH BUMPER GASKET  |
| 10   | 4         | THRESHOLD FASTNERS (WOOD OR TAPCONS)   |
| 15   | 1         | CORE MATERIAL<br>A) POLYSTYRENE    B) POLYURETHANE<br>C) HONEYCOMB    D) STEEL STIFFENED |
| 18   | 2         | CORNER SEALS   |
| 20   | 1         | SCHLAGE L9400 SERIES MORTISE LOCKSET   |
| 23   | 2         | PS074 WEATHER STRIPPING 2 PER JAMB   |
| 25   | 1         | GOVERNMENT 86 LOCK REINFORCING   |
| 26   | 3         | # 10 X .75 PHSM STEEL  |

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0129.12  
EXPIRATION DATE July 22, 2006  
By Ishag I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE July 22 19 98  
BY Ishag I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 98-0122-05

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN **RK** DATE **8.12.97**

CHECKED

APPROVED

ENG. APPVL

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

TITLE PROFILE OF STEELCRAFT DOOR WITH  
MORTISE LOCK REINFORCING  
WITH NATIONAL GUARD 950 THRESHOLD

SIZE FLAT DWG NO. **189W** SHEET **6 OF 11** REV **D**

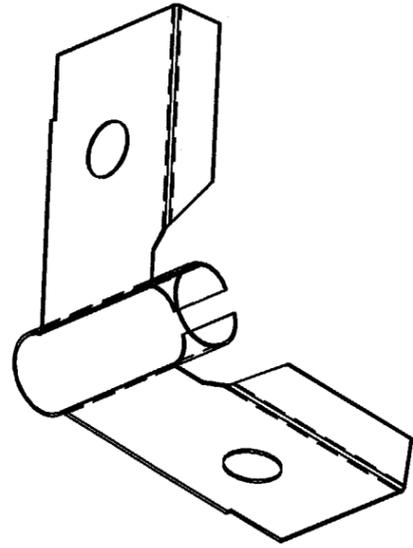
SCALE: **3.45** AUTOCAD SHEET OF

⑩ THRESHOLD ANCHOR SCREWS  
SEE SHEET 4

②⑥ SEE NOTE 1

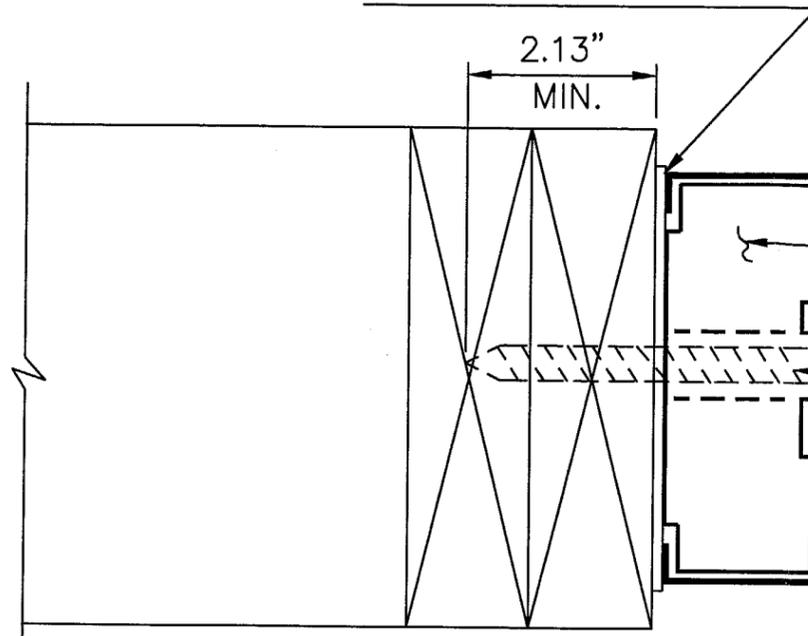
MATERIAL: ALUM 6063 T5      WOOD 1.50"      TAPCON 1.25"

18 GA. .042" MIN.  
2.56" X 6.94"



(EMA) EXISTING MASONRY ANCHOR

SHIM SPACE 1/4" MAX.



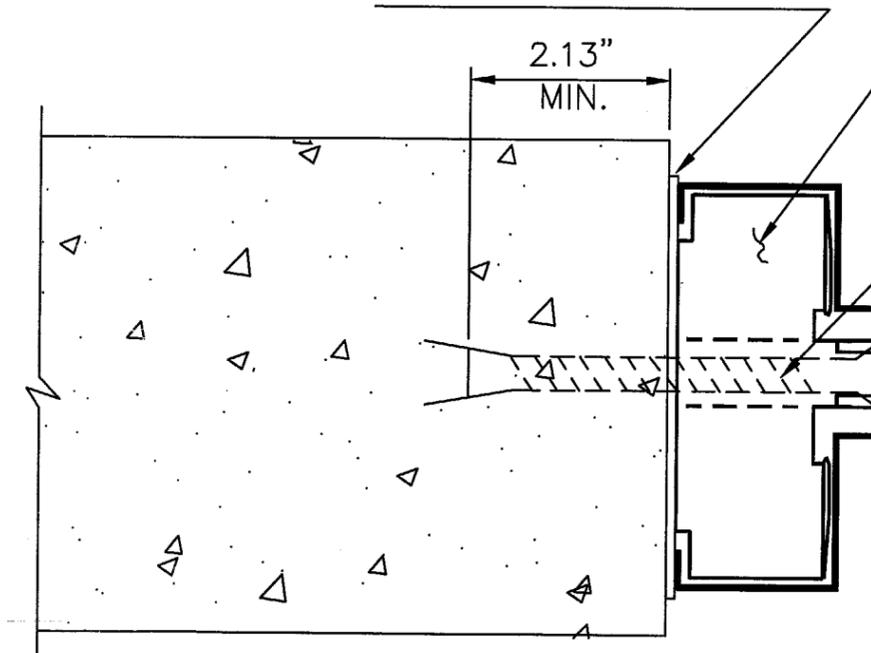
WOOD STUD ANCHOR  
JAMB VIEW SHOWN  
SEE SHT. 3 & 6 FOR  
HEAD VIEW

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   | GENERAL REV        | 5.11.98 |          |
| D   | APPROVAL REVISIONS | 6.2.98  |          |

SHIM SPACE 1/4" MAX.

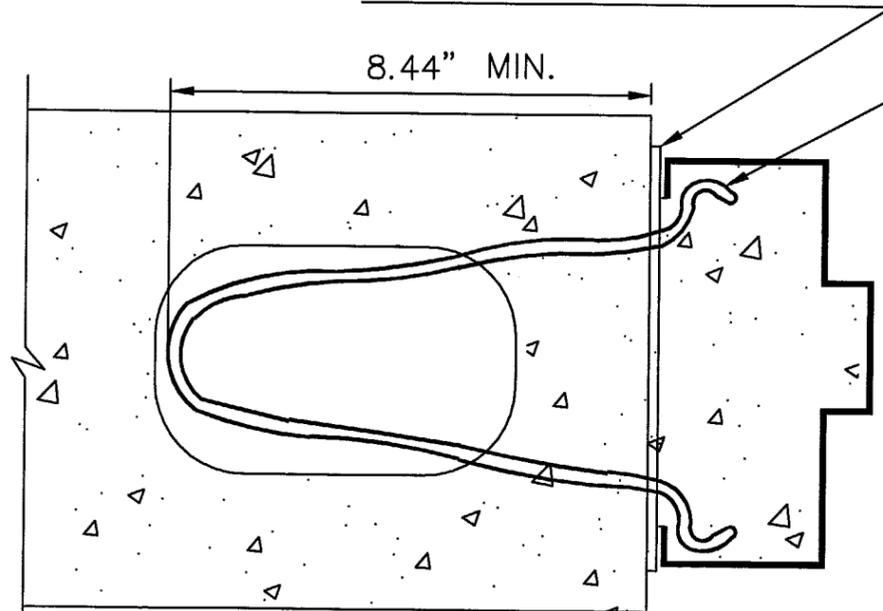


EXISTING MASONRY WALL ANCHOR

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

3/8 X 5" SLEEVE ANCHOR

SHIM SPACE 1/4" MAX.



WIRE MASONRY ANCHOR

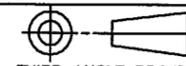
WIRE ANCHOR  
3/16" DIA. BRIGHT  
BASIC WIRE  
5.19 X 9.56

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0129-12  
EXPIRATION DATE July 22, 2006  
By Ishag I. Chanda  
**PRODUCT CONTROL DIVISION**  
**BUILDING CODE COMPLIANCE OFFICE**

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE July 22 19 98  
BY Ishag I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 98-0122-05

BEND RADIUS



THIRD ANGLE PROJECTION

DRAWN  
**RK**  
CHECKED

DATE  
8.18.97

APPROVED

ENG. APPVL



**INGERSOLL-RAND COMPANY**

STEELCRAFT MFG.

9017 BlueAsh Rd. Cincinnati Ohio 45242

TITLE DADE COUNTY  
ANCHOR DETAILS / MOUNTING CONDITIONS

SIZE FLAT

DWG NO.  
189w

SHEET 7 of 11

REV  
D

SCALE: 1

AUTOCAD

OPENING SIZE SINGLES AS STANDARD SIZES  
SLAB OPTIONS

L, B & SL DOORS

| WIDTH  | HEIGHT | **          | MAT'L       |             |             |
|--------|--------|-------------|-------------|-------------|-------------|
| 2'-0"  | 6'-8"  | 16          | CRS         |             |             |
| 2'-4"  |        |             | GALV.       |             |             |
| 2'-6"  |        |             | (STA. STL.) |             |             |
| 2'-8"  |        |             | SEE TABLE 1 |             |             |
| 2'-10" |        |             | SEE TABLE 2 |             |             |
| 3'-0"  |        |             | 7'-0"       | SEE TABLE 1 | SEE TABLE 2 |
| 3'-4"  |        |             |             |             |             |
| 3'-6"  |        |             |             |             |             |
| 3'-8"  |        |             |             |             |             |
| 3'-10" | 7'-0"  | SEE TABLE 1 | SEE TABLE 2 |             |             |
| 4'-0"  |        |             |             |             |             |

CE DOORS

| WIDTH  | HEIGHT | **          | MAT'L       |
|--------|--------|-------------|-------------|
| 2'-8"  | 6'-8"  | 16          | GALV.       |
| 2'-10" | 6'-10" |             |             |
| 3'-0"  | 7'-0"  |             |             |
|        |        | SEE TABLE 1 | SEE TABLE 2 |

F FRAMES  
FRAME OPTIONS

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

NOTE:  
OTHER SIZES AVAILABLE AS SPECIALS.  
ALL HEIGHTS AND WIDTHS CORRELATE  
FRAMES:  
JAMB DEPTHS AVAILABLE IN 1/8"

\* STA STL AVAILABLE IN 16 GA. ONLY  
\*\* MIN. DOOR SKIN THICKNESS

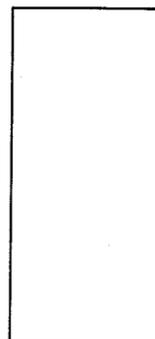
OTHER SIZE FRAMES & JAMB DEPTHS AVAILABLE AS SPECIALS.

MU FRAMES

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

6 PANEL ONLY

FLUSH DOORS MODELS  
L  
B  
SL



EMBOSSED DOOR MODEL  
CE  
6 PANEL ONLY

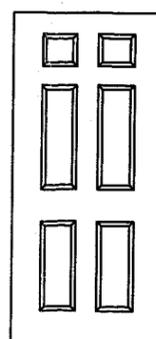


TABLE 2

|                           |
|---------------------------|
| CRS: 1008<br>ASTM A366    |
| GALV: A60<br>ASTM A924    |
| STL: 304,306<br>ASTM A240 |

TABLE 1

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

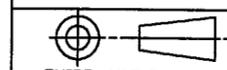
MIN. YIELD STRESS  
24,300 psi

PRODUCT RENEWED

ACCEPTANCE No. 01-0129.12  
EXPIRATION DATE July 22, 2006  
By Ishag I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE July 22 19 98  
BY Ishag I. Chanda  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 98-0122.05

BEND RADIUS



THIRD ANGLE PROJECTION

DRAWN RK DATE 9.22.97

CHECKED

APPROVED

ENG. APPVL



INGERSOLL-RAND COMPANY

STEELCRAFT MFG.

9017 BlueAsh Rd. Cincinnati Ohio 45242

TITLE DADE COUNTY  
OPENING SIZE, DOOR SPECS.  
& SLAB OPTIONS

SIZE FLAT

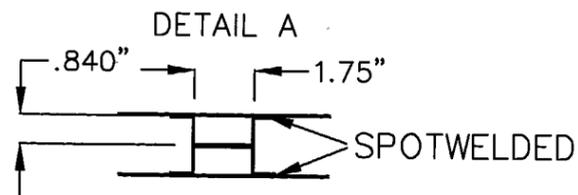
DWG NO. 189W

SCALE: 1

SHEET 8 OF 11

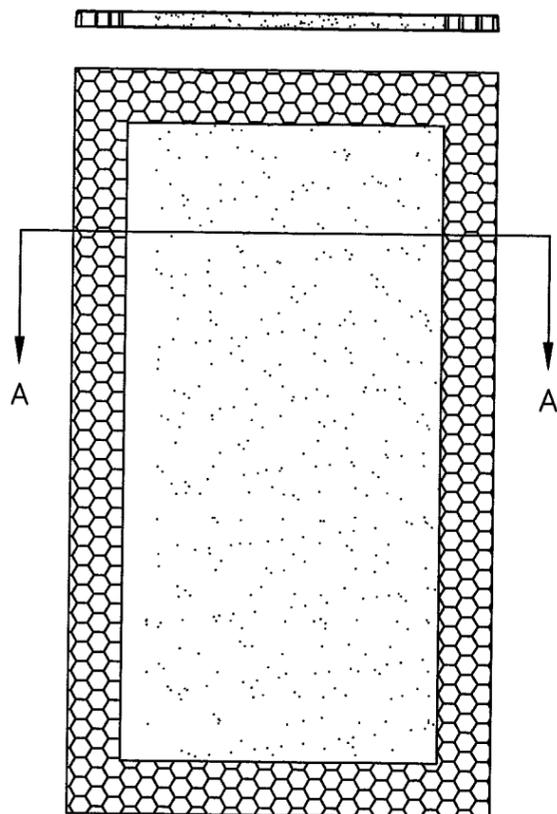
REV D

AUTOCAD



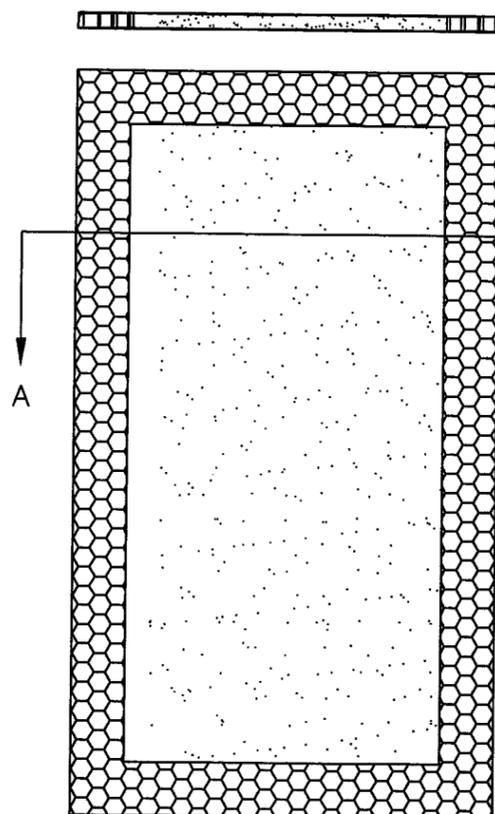
SECTION A-A

| 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 |          |
| E         | APPROVAL REVISIONS       | 6.2.98  |          |



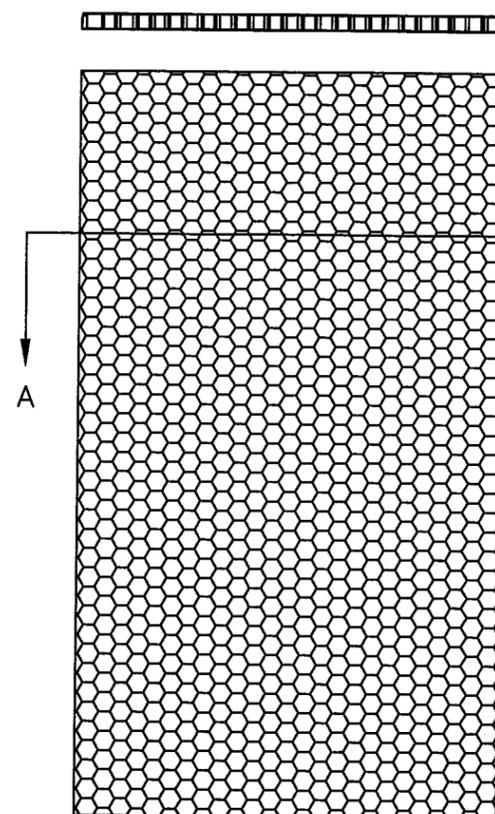
(A) POLYSTYRENE

HUNTSMAN CHEMICAL CORP.  
EXPANDED POLYSTYRENE FOAM  
GRADES 54 & 86  
DENSITY - 1.0 LBS/CUFT  
OR  
THERMOSAFE EXPANDED  
POLYSTYRENE BR4X- 4L19  
DENSITY- 1.0 lb CUFT



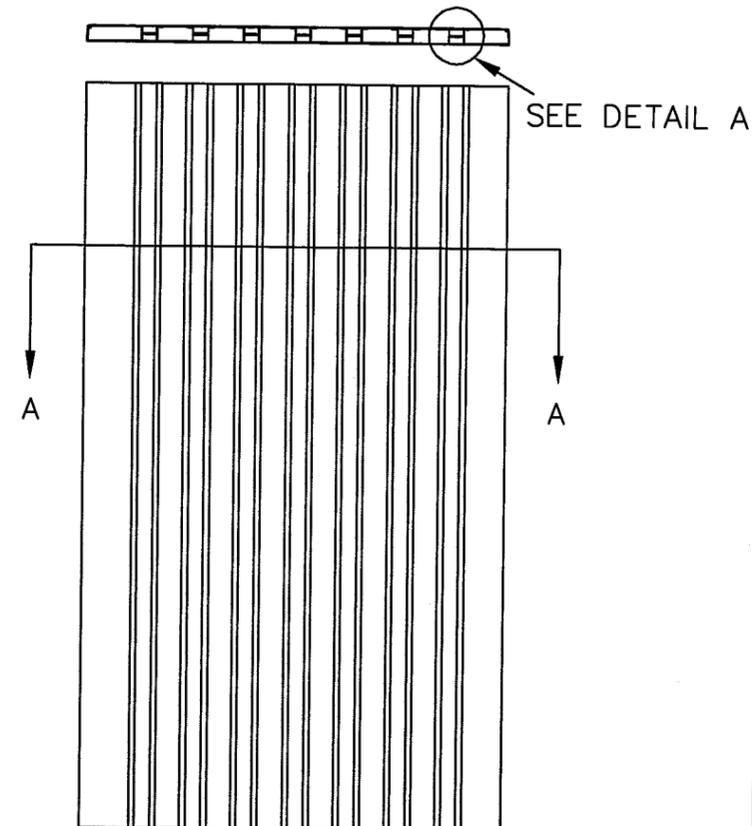
(B) POLYURETHANE

DOW CHEMICAL TRYMER 2000  
DENSITY-1.8 LBS/CUFT 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"        | 4          |
| 2'10", 30"      | 5          |
| 32", 34"        | 6          |
| 38", 3'10", 40" | 7          |

NOTE:  
CORE MATERIAL SHOWN  
WITHOUT HARDWARE REINFORCEMENTS

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0129.12

EXPIRATION DATE July 22, 2006

By Ishaq J. Chanda

PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE

DATE July 22 19 98

BY Ishaq J. Chanda

PRODUCT CONTROL DIVISION

BUILDING CODE COMPLIANCE OFFICE

ACCEPTANCE NO. 98-0122-05

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN **RK** DATE 8.18.97

CHECKED

APPROVED

ENG. APPVL

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

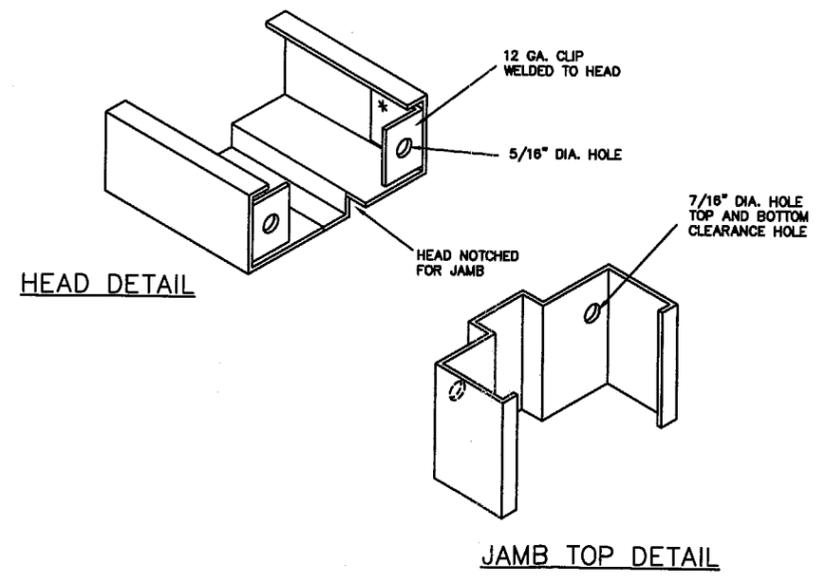
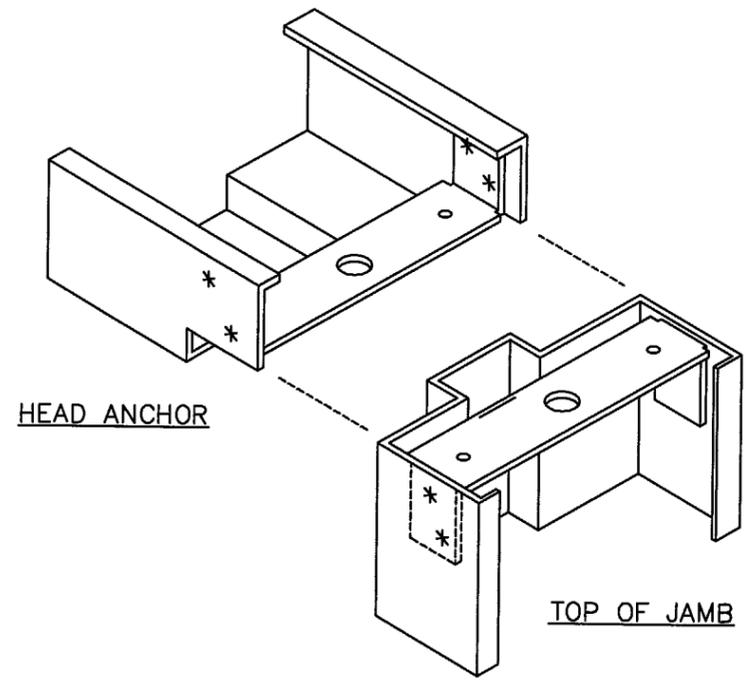
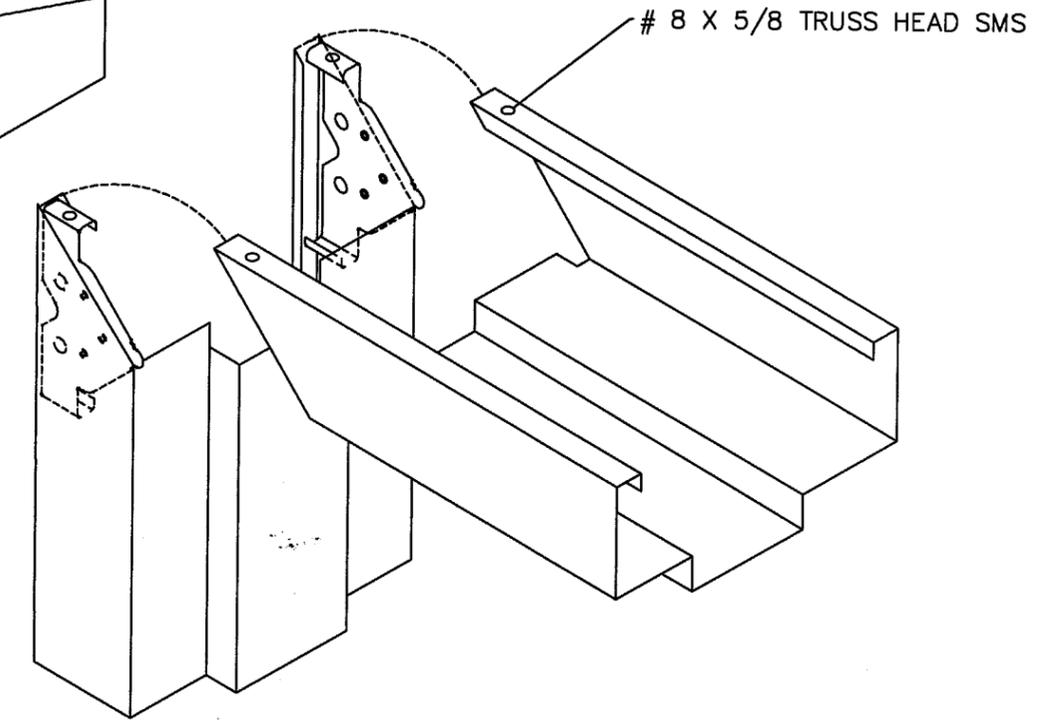
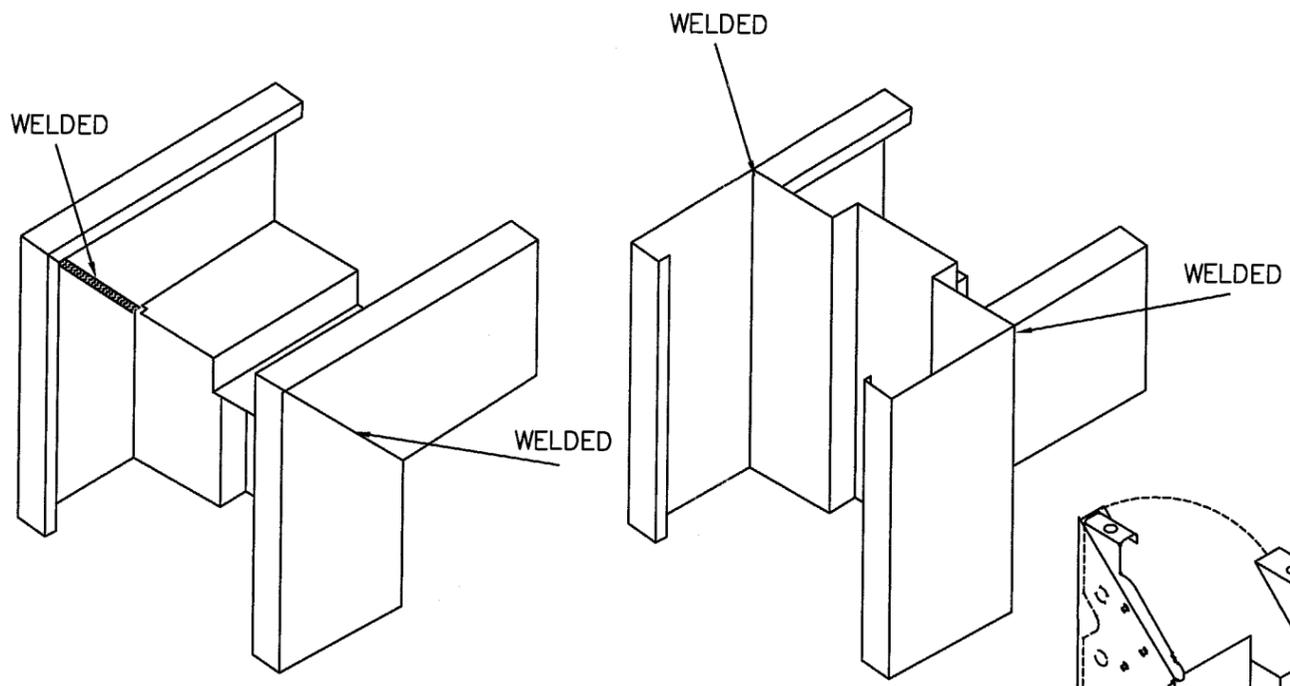
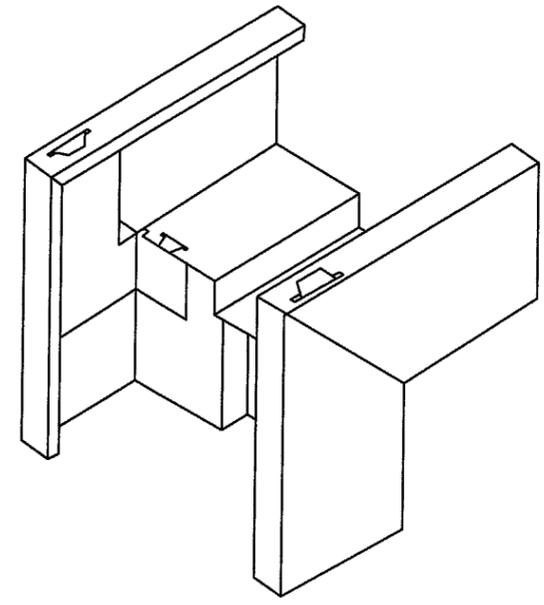
TITLE DADE COUNTY  
DADE COUNTY TEST UNIT  
CORE MATERIALS  
OPTIONS

SIZE FLAT DWG NO. 189W SHEET 9 OF 11 REV E

SCALE: 21 AUTOCAD

REVISIONS

| LTR | DESCRIPTION        | DATE     | APPROVED |
|-----|--------------------|----------|----------|
| A   | RELEASE TO SHOP    | 10.15.97 |          |
| B   | REMOVED NOTE       | 2.24.98  |          |
| C   | APPROVAL REVISIONS | 6.2.98   |          |



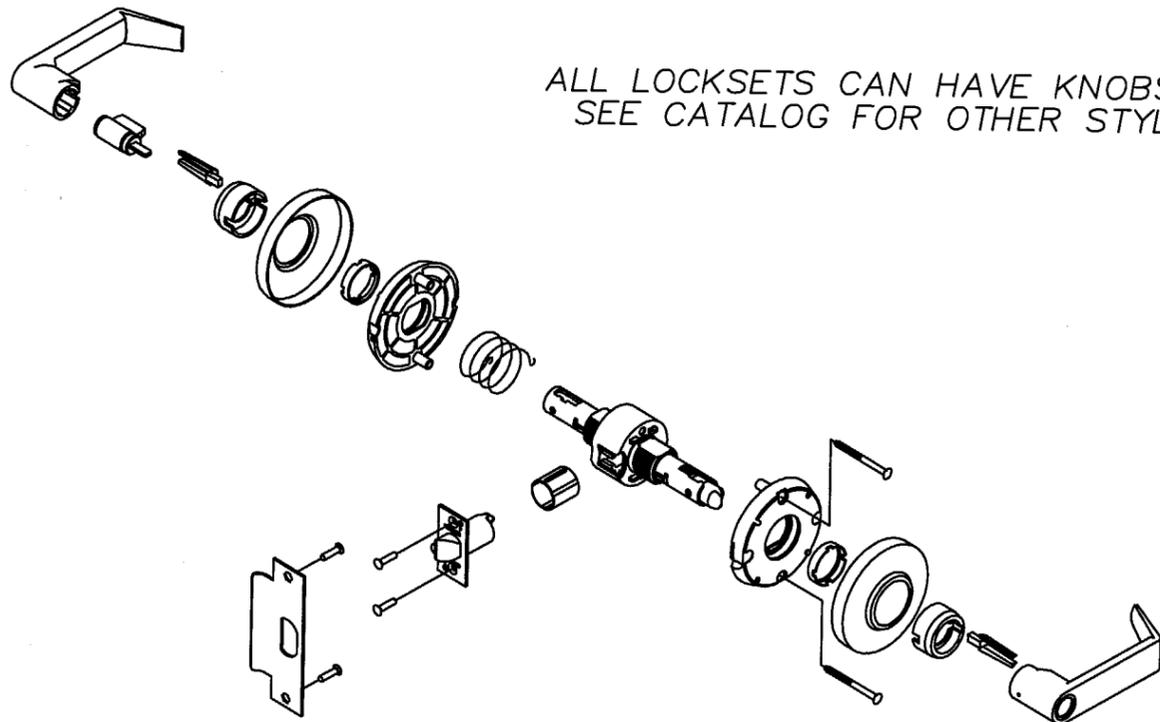
**PRODUCT RENEWED**  
 ACCEPTANCE No. 01-0129.12  
 EXPIRATION DATE July 22, 2006  
 By Ishag I. Chande  
**PRODUCT CONTROL DIVISION**  
**BUILDING CODE COMPLIANCE OFFICE**

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE July 22 19 98  
 BY Ishag I. Chande  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 98-0122.05

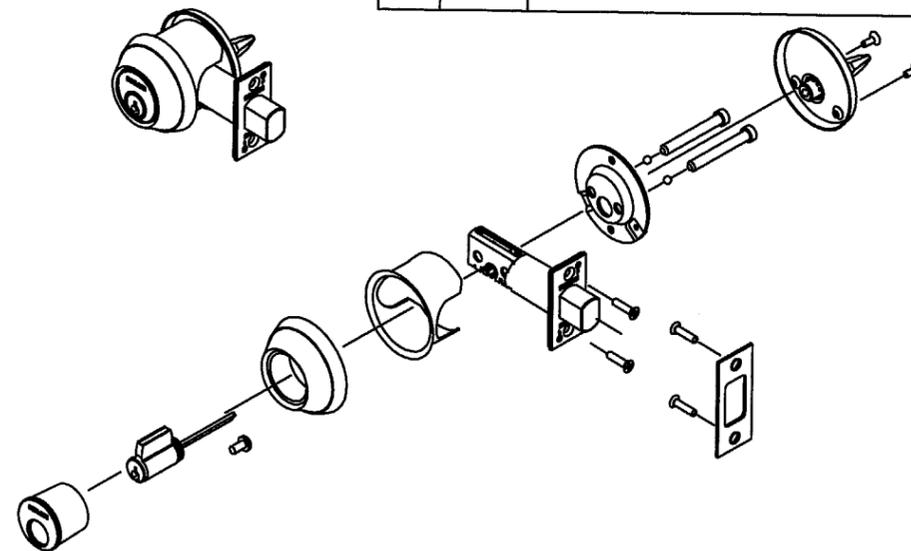
|                        |                  |  |                 |
|------------------------|------------------|--|-----------------|
| BEND RADIUS            |                  |  <b>INGERSOLL-RAND COMPANY</b><br>STEELCRAFT MFG.<br>9017 BlueAsh Rd. Cincinnati Ohio 45242 |                 |
| THIRD ANGLE PROJECTION |                  |  |                 |
| DRAWN<br><b>JU</b>     | DATE<br>10.15.97 | TITLE<br>DADE COUNTY<br>CORNER DETAILS FOR<br>FLUSH FRAME AND MU FRAMES  |                 |
| CHECKED                |                  | SIZE<br>FLAT   | DWG NO.<br>189W |
| APPROVED               |                  | SCALE:<br>2  | SHEET 10 OF 11  |
| ENG. APPVL             |                  | AUTOCAD  | REV<br>C        |

ALL LOCKSETS CAN HAVE KNOBS OR LEVERS  
SEE CATALOG FOR OTHER STYLES

| REVISIONS |     |             |               |       |      |
|-----------|-----|-------------|---------------|-------|------|
| LTR       | ECN | DESCRIPTION | ECN APPROVALS |       | DATE |
|           |     |             | MFG.          | ENGR. |      |
|           |     |             |               |       |      |

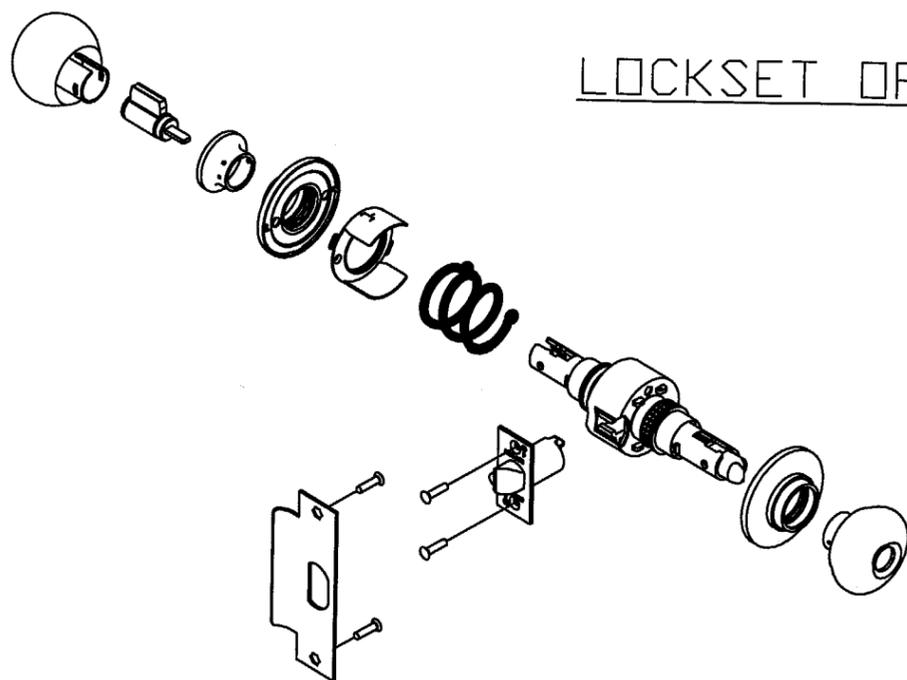


SCHLAGE AL-SERIES CYLINDRICAL LOCKSET

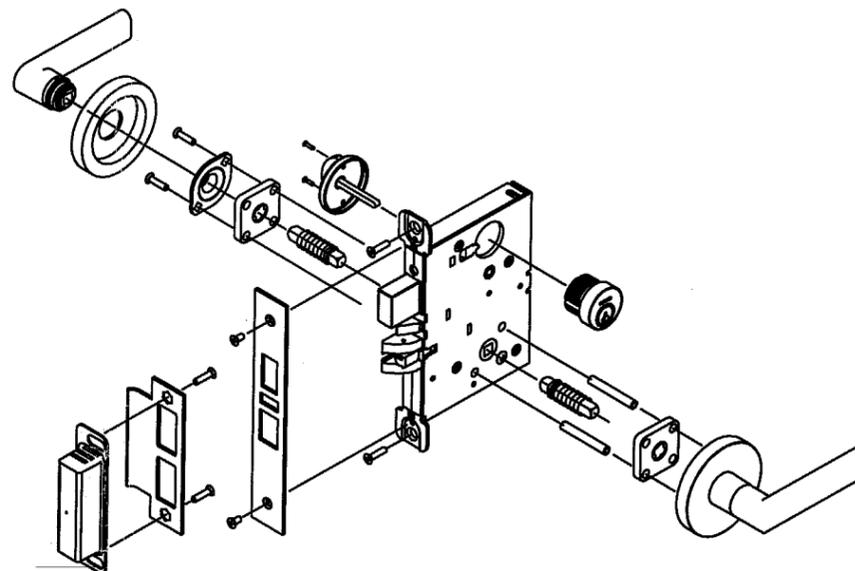


B600/700/800 SERIES DEADBOLT COMBINATION

LOCKSET OPTIONS



SCHLAGE D-SERIES CYLINDRICAL LOCKSET



SCHLAGE L9400 SERIES KEYED MORTISE  
LOCKSET WITH DEADBOLT FUNCTION

**PRODUCT RENEWED**

ACCEPTANCE No. 01-0129.12  
 EXPIRATION DATE July 22, 2006  
 By Isaac I. Chanda  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE

APPROVED AS COMPLYING WITH THE  
 SOUTH FLORIDA BUILDING CODE  
 DATE July 22 19 98  
 BY Isaac I. Chanda  
 PRODUCT CONTROL DIVISION  
 BUILDING CODE COMPLIANCE OFFICE  
 ACCEPTANCE NO. 98-0122-05

|   |                  |
|---|------------------|
| COPYRIGHT © 1997<br>SCHLAGE LOCK COMPANY<br>ALL RIGHTS RESERVED |                  |
| DRAWN<br>w. massey  | DATE<br>08-06-97 |
| CHECKED<br>t. dalsing   | DATE<br>08-07-97 |
| MFG. APP.   |                  |
| QUAL. APP.  |                  |
| ENGR. APP.  |                  |
| PRINT<br>DATE   |                  |

**SCHLAGE**

Part of worldwide Ingersoll-Rand

|   |                             |                |
|---|-----------------------------|----------------|
| TITLE<br>AL-SERIES, D-SERIES,<br>DEADBOLT & L9400 MORTIES |                             |                |
| SIZE<br>B   | CODE<br>IDENT<br>NO<br>189W | REV<br>1       |
| SCALE: -----  |                             | SHEET 11 OF 11 |