



**BUILDING CODE COMPLIANCE OFFICE (BCCO)  
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908  
www.buildingcodeonline.com**

**NOTICE OF ACCEPTANCE (NOA)**

**Ingersoll-Rand  
6810 Hillsdale Court  
Indianapolis, IN 46250**

**SCOPE:**

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: IR "H16-4" Series Double Outswing Commercial Steel Doors w/ IR Lock Hardware-Impact**

**APPROVAL DOCUMENT:** Drawing No "776W-1A", titled "H-16-4 8080 Double (Outswing)", IR Commercial lock, sheets 1 through 8 of 8, dated 01-04-02 and last revised on 02-03-08, prepared by the manufacturer, signed & sealed by Gordon Thomas, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: Large Missile Impact Resistant**

**LABELING:** 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", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA 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 NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews** NOA # **03-09808.03** (# **02-0712.02**) and consists of this page 1 and evidence page, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**



**NOA No 08-0115.01  
Expiration Date: March 13, 2013  
Approval Date: February 29, 2008  
Page 1**

*Handwritten initials and date: 2/15/08*

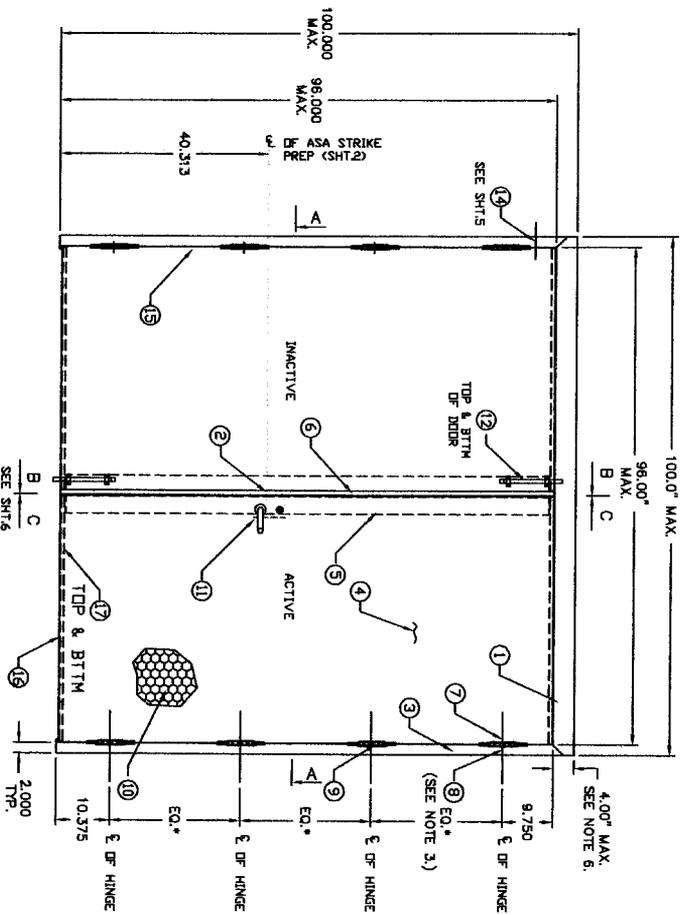
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	01/04/02	
B	REVISED PER DC BCCD	12/09/02	
C	REVISED PER DC BCCD	02/03/03	
D	REVISED PER DC BCCD	02/19/03	
E	ADDED ND-SERIES	09/12/03	

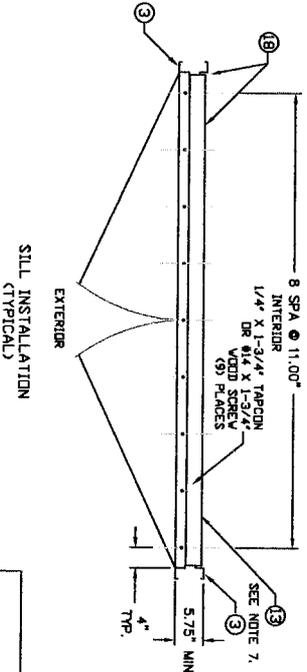
**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-0115-01  
 Expiration Date March 13, 2013

By Shawn J. Lewis  
 Miami-Dade Product Control  
 Division

- NOTES:
1. TWO ROWS OF PS074 WEATHERSTRIPPING PER JAMB AND HEAD INSTALL PER SHIT 7.
  2. ANCHOR REQUIREMENTS.
  3. HINGE REQUIREMENTS.  
 FOR DOOR OPENING UP TO 7'8" HIGH - MIN (3) HINGES  
 FOR DOOR OPENING 7'7" - 8'0" HIGH - MIN (4) HINGES  
 LOCATIONS: 8.75" FROM RABET IN HEAD TO CL OF TOP HINGE  
 10.38" FROM FLOOR TO CL OF BOTTOM HINGE.
  4. SEE SHEET 6 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
  5. HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
  6. 4" FACE HEAD IS AVAILABLE WHEN FRAME IS GROUTED WITH CONCRETE.
  7. APPLY CAULK AS NEEDED.



OUTSWING DOORS (INTERIOR VIEW)



DESIGN PRESSURE RATING

WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	NOT APPROVED
NEGATIVE	NOT APPROVED

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD SECTION SEE SHIT 7 ASTM A386	.063" MIN. STL	MAX. 100"
2	1	ASA STRIKE		
3	2	HINGE JAMB SEE SHIT 5 ASTM A386	.063" MIN. STL	4.0" X 8.0" MAX
4	2	DOOR SLAB (16 GA)	.099" MIN. STL	3.5" X 93.4" MAX
5	2	LOCK SIDE REINFORCEMENT CHANNEL	.067" MIN. STL	MAX 95.5"
6	1	7-ASTRICAL	.127" MIN. STL	1.88" X 9.19"
7	1	HINGE REINFORCEMENT DOOR ASTM A621	.177" MIN. STL	1.5" X 4.5" (12-24 MS)
8	1	HINGE REINFORCEMENT FRAME ASTM A621	.134 MIN.	4.5" X 4.5" (12-24 MS)
9	1	NOTE 3.		4 SCREWS PER HINGE
10	2	CORE MATERIAL: A) HONEYCOMB B) POLYSTYRENE C) POLYURETHANE D) POLYURETHANE E) MINERAL BOARD F) FIBER REINFORCED POLYESTER G) MINERAL BOARD H) POLYURETHANE I) POLYURETHANE J) POLYURETHANE K) POLYURETHANE L) POLYURETHANE M) POLYURETHANE N) POLYURETHANE O) POLYURETHANE P) POLYURETHANE Q) POLYURETHANE R) POLYURETHANE S) POLYURETHANE T) POLYURETHANE U) POLYURETHANE V) POLYURETHANE W) POLYURETHANE X) POLYURETHANE Y) POLYURETHANE Z) POLYURETHANE	SEE SHEET 9	47.66" X 93.5" MAX.
11	1	LOCKING HARDWARE - LOCK SET A) SCHLAGE 19400 SERIES MORTISE LOCK B) YALE 19400 SERIES MORTISE LOCK C) YALE 19400 SERIES MORTISE LOCK D) YALE 19400 SERIES MORTISE LOCK E) YALE 19400 SERIES MORTISE LOCK F) YALE 19400 SERIES MORTISE LOCK G) YALE 19400 SERIES MORTISE LOCK H) YALE 19400 SERIES MORTISE LOCK I) YALE 19400 SERIES MORTISE LOCK J) YALE 19400 SERIES MORTISE LOCK K) YALE 19400 SERIES MORTISE LOCK L) YALE 19400 SERIES MORTISE LOCK M) YALE 19400 SERIES MORTISE LOCK N) YALE 19400 SERIES MORTISE LOCK O) YALE 19400 SERIES MORTISE LOCK P) YALE 19400 SERIES MORTISE LOCK Q) YALE 19400 SERIES MORTISE LOCK R) YALE 19400 SERIES MORTISE LOCK S) YALE 19400 SERIES MORTISE LOCK T) YALE 19400 SERIES MORTISE LOCK U) YALE 19400 SERIES MORTISE LOCK V) YALE 19400 SERIES MORTISE LOCK W) YALE 19400 SERIES MORTISE LOCK X) YALE 19400 SERIES MORTISE LOCK Y) YALE 19400 SERIES MORTISE LOCK Z) YALE 19400 SERIES MORTISE LOCK		
12	2	THRESHOLD SILL W/ 2" MIN. BEAD GASKET 1) NAT. DURAND SILL 2) PENCO 2005AS 3) ZERO 586A	.100" ALUM. 8063 TS	5.50" X 0.5" X 96" MAX.
13	1	JAMB ANCHOR ASTM A924 SEE SHIT 5	3/16" DIA. BASIC WIRE	5.19" X 9.56"
14	2	PS074 WEATHER STRIPPING	PS074	MAX 47.66"
15	2	FAS-SEAL DOOR SWEEP	FAS-SEAL	MAX 47.66"
16	4	END CHANNEL ASTM A924 INVERTED (14 GA)	.067" MIN. STL	69" X 1.66" X 47.66" MAX.
17	4	END CHANNEL BUTYL RUBBER OR 100% SILICONE (OPTIONAL)		
18	18	LAGS NEEDED		

BEND RADIUS

THIRD ANGLE PROJECTION

TITLED DATE COUNTY  
 DRAWN DATE COUNTY  
 NIP 01/04/02 DADE COUNTY  
 CHECKED DATE COUNTY  
 APPROVED DATE COUNTY  
 ENG. APPVAL DATE COUNTY

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

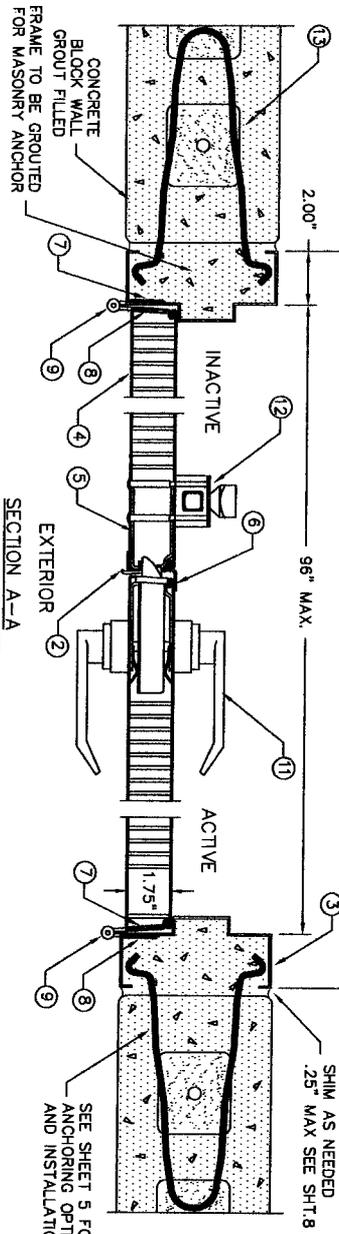
DADE COUNTY  
 HIG - 4 8080 DOUBLE DOORS (OUTSWING)  
 IR COMMERCIAL LOCK

SCALE: NTS AUTOCAD

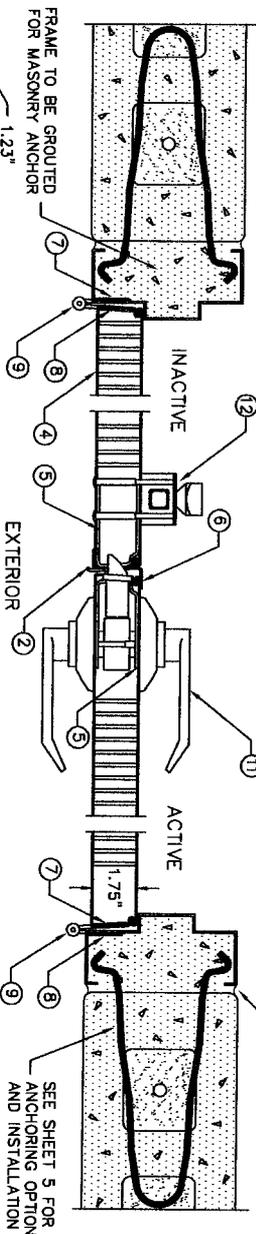
SIZE: 776W-1A SHEET 1 OF 8

REV: E

100" MAX.



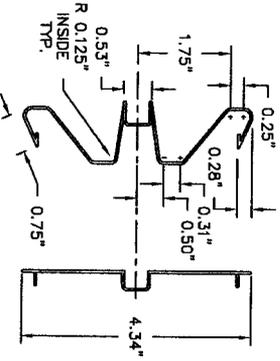
SECTION A-A  
MORITSE LOCKSET  
SCHLAGE L9400 SERIES  
LOOKNETICS CM5500 SERIES



SECTION A-A  
CYLINDRICAL LOCKSET  
SCHLAGE D/ND - SERIES  
FALCON T - SERIES  
LOOKNETICS CM5100 SERIES



7 GA.  
DOOR HINGE  
REINFORCEMENT

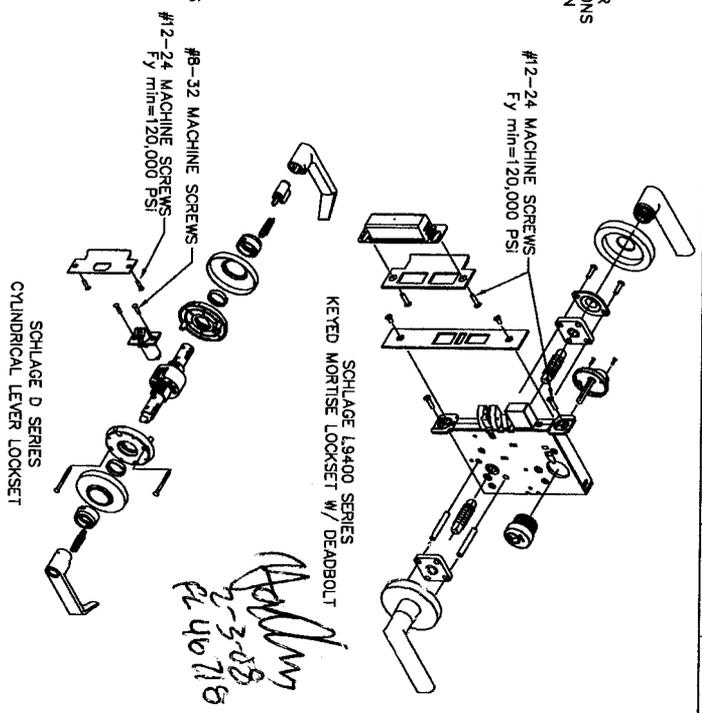


.045 WIRE  
HINGE SPACER

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No 08-0115-01  
Expiration Date MAY 13, 2013  
By Charles J. Chant  
Miami Dade Product Control  
Division

**NOTES:**

1. SEE SHT. 1 FOR ELEVATION, MATERIAL AND SIZE
2. SEE SHT. 1 NOTE 2, AND SHT. 5 FOR ANCHOR REQUIREMENTS
3. SEE SHT. 5 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM OPTIONS AND INSTALLATION
4. SEE SHT. 6 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
5. APPROVED HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS



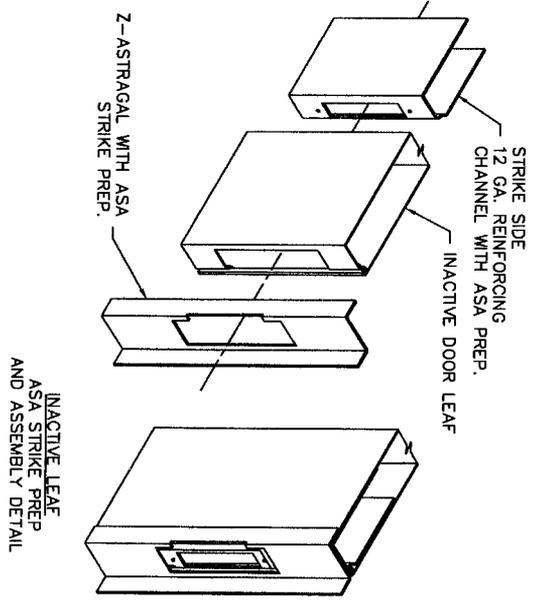
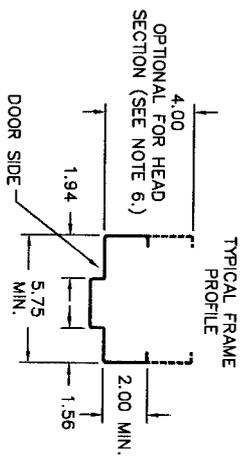
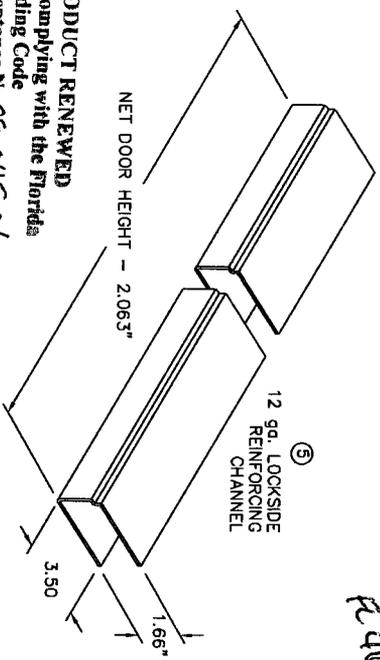
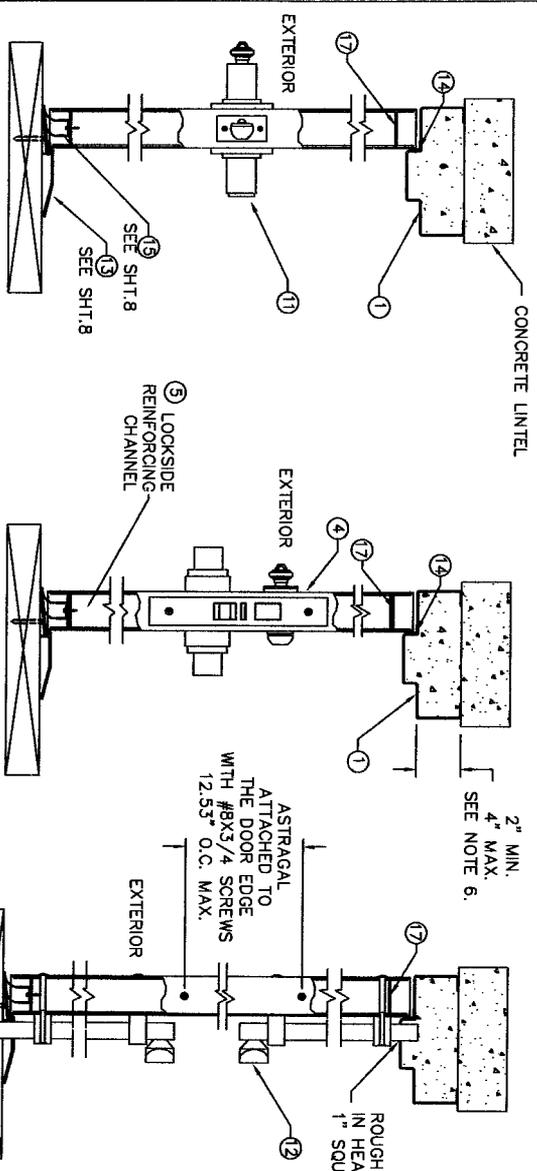
R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	01.30.02	
B	REVISED PER DC BCCO	YMF 12.09.02	
C	REVISED PER DC BCCO	YMF 02.03.03	
D	ADDED ND-SERIES	YMF 08.12.03	

THIRD ANGLE PROJECTION DRAWN NIP CHECKED	DATE 07/25/02	TITLE DATE COUNTY CROSS SECTION OF DOOR AND FRAME IR COMMERCIAL LOCK HARDWARE BOBO DOUBLE DOORS	DWG. NO. 776W-1A SHEET	2 OF 8	REV D
APPROVED ENG. APPVL		INGERSOLL-RAND COMPANY STEELCRAFT MFG. 9017 Shuman Rd. Cincinnati Ohio 45242	SCALE: NTS	AUTOCAD	SHEET OF

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	02.01.02	
B	REVISED PER DC BCCO	12.12.02	
C	REVISED PER DC BCCO	02.03.03	
D	ADDED ND-SERIES	08.12.03	

*APPROVED*  
 2-9-08  
 R 40716



**PRODUCT RENEWED**  
 as complying with the Florida Building Code  
 Acceptance No 08-0115-01  
 Expiration Date 12/31/2015

By Charles J. Lewis  
 Miami Dade Product Consultant  
 Division

NOTES:  
 1. SEE SHT. 1 FOR ELEVATION, MATERIAL AND SIZE  
 2. SEE SHT. 1 NOTE 2. FOR ANCHOR REQUIREMENTS  
 3. SEE SHT. 5 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM  
 4. SEE SHT. 6 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS  
 5. APPROVED HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS  
 6. HEAD SECTION CAN HAVE 4" FACE DIMENSION WHEN IT'S GROUTED WITH CONCRETE  
 7. WALL CONSTRUCTION STRUCTURAL MEMBERS MUST BE DESIGNED TO COMPLY WITH APPROVED DESIGN PRESSURE RATING

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

**IR**

TITLE: CROSS SECTION OF DOOR AND FRAME  
 IR COMMERCIAL LOCK HARDWARE  
 8080 DOUBLE DOORS

DATE COUNTY: \_\_\_\_\_

THIRD ANGLE PROJECTION

DRAWN: NPT DATE: 02/01/02

CHECKED: \_\_\_\_\_

APPROVED: \_\_\_\_\_

ENG. APPVL: \_\_\_\_\_

SCALE: NTS AUTOCAD

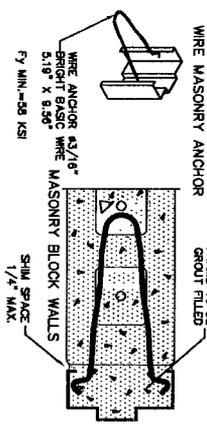
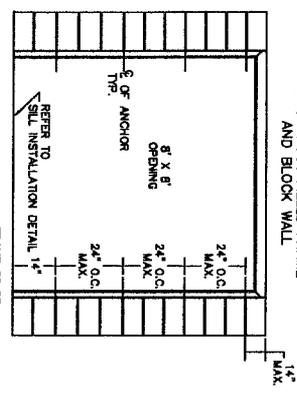
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DWG. NO: 776W-1A SHEET 3 OF 8

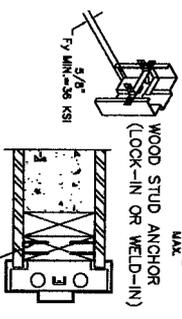
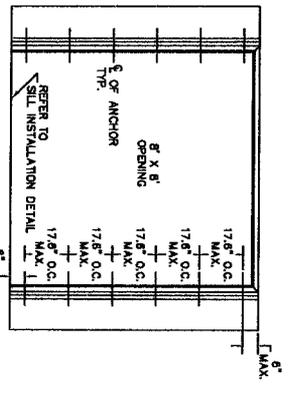
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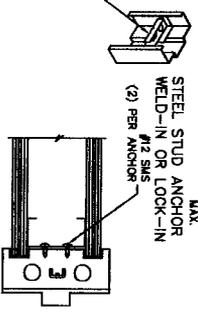
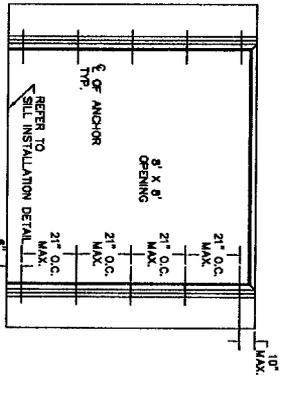
**A** WIRE MASONRY ANCHOR INTO GROUT FILLED FRAME AND BLOCK WALL



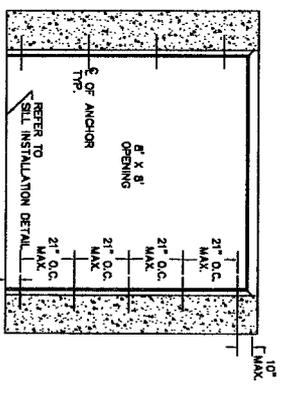
**B** WOOD STUD ANCHOR



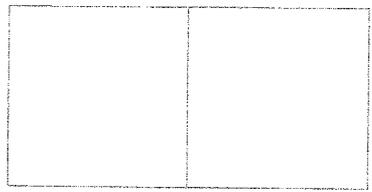
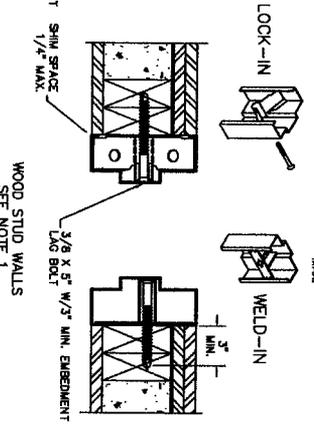
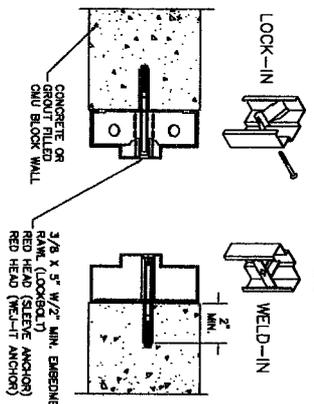
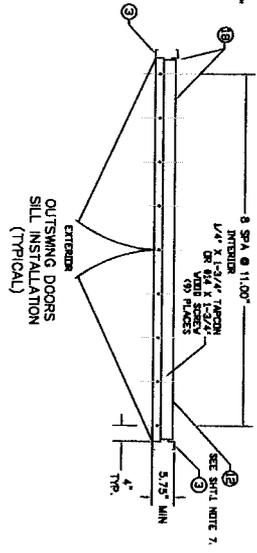
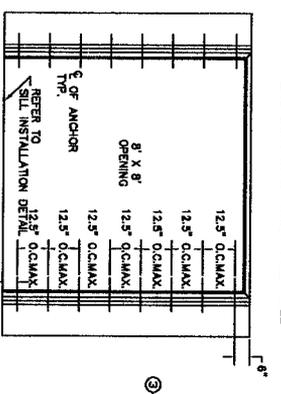
**C** STEEL STUD ANCHOR



**D** EXISTING MASONRY ANCHOR (EMA) INTO CONCRETE WALL OR CMU



**E** EXISTING MASONRY ANCHOR (EMA) WITH LAG BOLT INTO WOOD STUD WALL



R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
B	revised per DC BCCD	ymf 12.12.02	
C	REVISED PER DC BCCD	ymf 01.29.03	
D	REVISED PER DC BCCD	ymf 02.19.03	

PRODUCT RENEWED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-0115.01  
 Expiration Date: 11/21/2013  
 By: *Shaghi Khan*  
 National Trade Product Center  
 Division

*ADDY*  
 2-2-08  
 R 46718

NOTES:

- WOOD OR STEEL STRUCTURAL MEMBERS OF WOOD AND STEEL-STUD WALLS MUST BE DESIGNED TO CARRY AT LEAST 320 #/ft. LOAD, AND SHOULD BE VERIFIED BY THE APPROPRIATE OFFICIAL.
- NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.

**INGERSOLL-RAND COMPANY**  
 STEELCRAFT MFG.  
 5017 Buehler Rd., Cincinnati, Ohio 45242

DESIGNED BY	DATE	TITLE
TRAVIN NP	01/10/02	ANCHOR DETAILS / MOUNTING CONDITIONS
CHECKED		
APPROVED		
ENG. APPVL		

SCALE: NTS AUTOCAD

AVAILABLE DOOR CONFIGURATIONS  
(SEE NOTE 1.)

DOOR SERIES	CORE MATERIAL PER SHIT.7	MAXIMUM DOOR OPENING SIZE		DESCR.	SKIN MATERIAL
		WIDTH	HEIGHT		
L	HONEYCOMB POLYSTYRENE POLYURETHANE	8'0"	8'0"	CRS GALV	16/.053" 14/.067"
B	STEEL STIFFENED	8'0"	8'0"	CRS GALV	16/.053" 14/.067"
SL	HONEYCOMB POLYSTYRENE POLYURETHANE	8'0"	8'0"	STAINLESS STEEL	16/.053"
T	MINERAL FIBER	8'0"	8'0"	CRS GALV	16/.053" 14/.067"
CE	POLYSTYRENE/HONEYCOMB	7'4" 6'0"	7'0" 8'0"	GALV	16/.053"

AVAILABLE FRAME CONFIGURATIONS  
(SEE NOTE 2.)

FRAME SERIES	JAMB DEPTH	MAXIMUM DOOR OPENING SIZE		DESCR.	MATERIAL
		WIDTH	HEIGHT		
F	5.75" MIN.	8'0"	8'0"	CRS/HRS GALV STAINLESS STEEL	16/.053" 14/.067" 12/.099" 16/.053"
MU	5.75" MIN.	8'0"	8'0"	CRS/HRS GALV	16/.053" 14/.067"

MINIMUM YIELD STRENGTH = 26,500 PSI

TABLE 3.

CRS	ASTM A1008
HRS	ASTM A1011
GALV:	A60 ASTM A924
STL:	304,306 ASTM A240

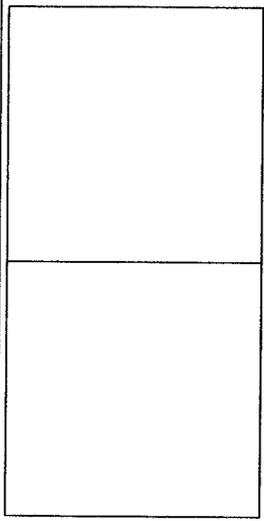
R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG		
B	REVISED PER DC BCCD	12/12/02	

**PRODUCT RENEWED**  
as complying with the Florida  
Building Code  
Acceptance No. 08-0115-01  
Expiration Date MAR 13, 2013  
By Shag J. Lundy  
Missal Dade Product Control  
Division

*Shag J. Lundy*  
12-3-08  
FL 46719

NOTES:

- DOOR CONSTRUCTION
  - MINIMUM DOOR THICKNESS - 1 3/4"
  - DOORS AVAILABLE IN FLAT AND EMBOSSED SURFACE MODELS (SEE TABLE.1)
  - ALL DOORS ARE FLUSH - NO LITES OR LOUVERS ALLOWED PER THIS APPROVAL
- FRAME CONSTRUCTION
  - MINIMUM JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
  - FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULT-USE (MU-SERIES) (SEE TABLE.2)
- FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 3.



BEND RADIUS		TITLED DRAWING	
THIRD ANGLE PROJECTION		DATE	
DRAWN		DATE	
CHECKED		DATE	
APPROVED		DATE	
ENG. APPROV.		DATE	
SCALE		AUTOCAD	
SIZE		DWG. NO.	
FLAT		776 W-1A SHEET	
NTS		6 OF 8	
		REV	
		B	

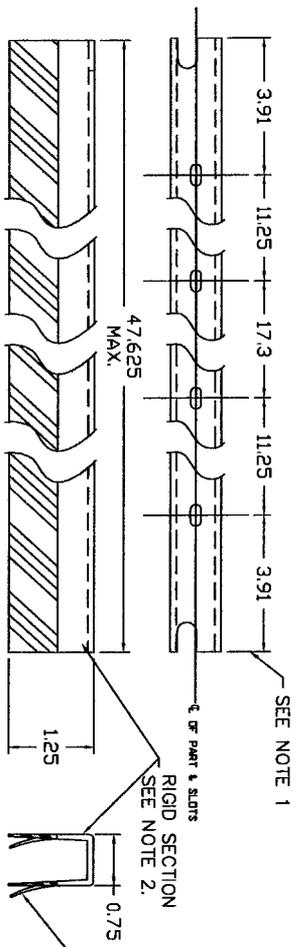
**INGERSOLL-RAND COMPANY**  
STEELCRAFT MFG.  
9017 Blumstein Rd. Cincinnati Ohio 45242



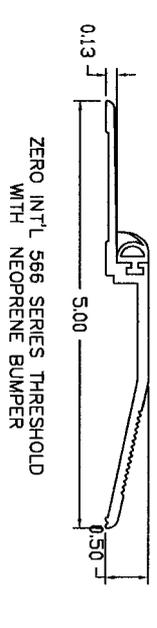
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP		
B	REVISED PER DC BCCD	12/09/02	
C	REVISED PER DC BCCD	02/03/03	

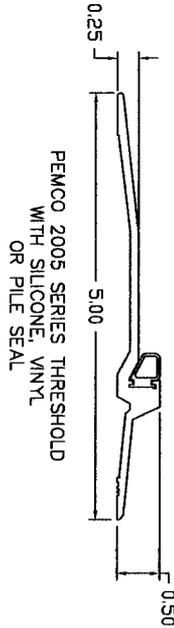
**PRODUCT RENEWED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. 08-015-01  
 Expiration Date March 31, 2013  
 By Shaq J. L. L...  
 Miami Code Enforcement  
 Division



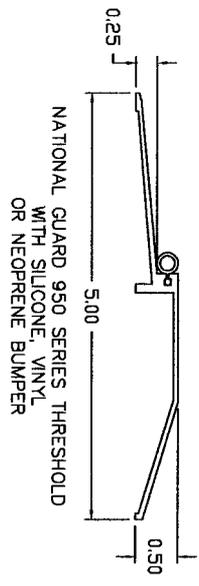
FAS-SEAL DOOR SWEEP



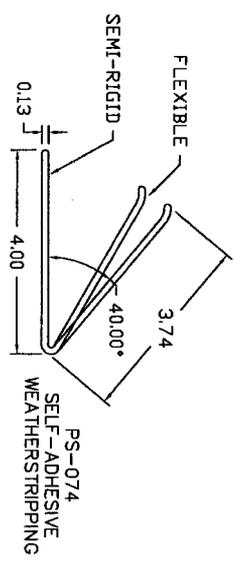
ZERO INT'L 566 SERIES THRESHOLD  
 WITH NEOPRENE BUMPER



PEMCO 2005 SERIES THRESHOLD  
 WITH SILICONE, VINYL  
 OR PILE SEAL



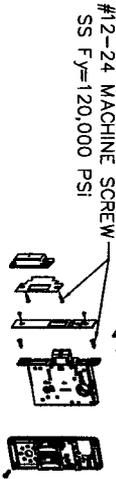
NATIONAL GUARD 950 SERIES THRESHOLD  
 WITH SILICONE, VINYL  
 OR NEOPRENE BUMPER



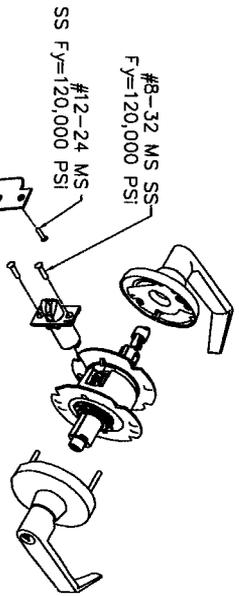
PS-074  
 SELF-ADHESIVE  
 WEATHERSTRIPPING



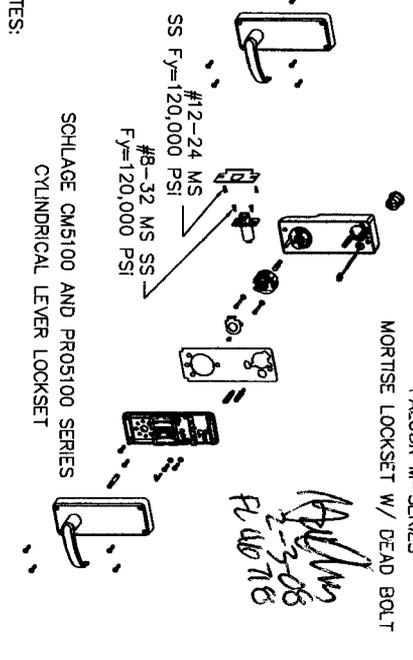
FALCON M-SERIES  
 MORTISE LOCKSET W/ DEAD BOLT



SCHLAGE CM550 AND PRO550 SERIES  
 MORTISE LOCKSET W/ AUTOBOLT



FALCON, T-SERIES  
 CYLINDRICAL LEVER LOCKSET



SCHLAGE CM5100 AND PRO5100 SERIES  
 CYLINDRICAL LEVER LOCKSET

- NOTES:
1. SWEEP MOUNTING SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
  2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199
  3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73

BEND RADIUS	
THIRD ANGLE PROJECTION	
DATE	
BY	
CHECKED	
APPROVED	
ENG. APPROV.	

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

TITLE: **DOUBLE DOORS ACCESSORIES**  
 BOTTOM SWEEP THRESHOLDS, SPLIT ASTRADALS AND WEATHERSTRIPPING

DATE: **FLAT**

SIZE: **776W-1A SHEET**

SCALE: **NTS**

DWG NO: **8 DF 8**

REV: **C**