



**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**

**NOTICE OF ACCEPTANCE (NOA)**

**Ingersoll-Rand  
2720 Tobey Drive  
Indianapolis, IN 46219**

**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.

**DESCRIPTIO: IR series "ExpiDoor" Single Outswing Steel Commercial Door-Impact**

**APPROVAL DOCUMENT:** Drawing No "1035W-1", titled " ExpiDoor Series System", sheets 1 through 6 of 6, dated 03/11/03 last revised on 01-29-2004, prepared by the manufacturer, 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.

**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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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

2/5/4



**NOA No 03-1107.03  
Expiration Date: February 19, 2009  
Approval Date: February 19, 2004  
Page 1**

Ingersoll-Rand

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's parts and sections drawings.
2. Drawing No "1035W-1", titled " ExpiDoor Series System", sheets 1 through 6 of 6, dated 03/11/03 last revised on 01-29-2004, prepared by the manufacturer.

**B. TESTS**

1. Test Report No. **CTLA-1035W-1**, prepared by Certified Testing Laboratory, Architectural Division, dated April 7, 2003, signed and sealed by Ramesh Patel, P.E., for the following tests:
  - 1) Air Infiltration Test, per TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
  - 3) No Water Resistance Test performed.
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, per TAS 202-94

along with manufacturer's parts and section drawings marked by Certified Testing Laboratory.

**C. CALCULATIONS:**

1. Anchor Calculations and structural analysis, prepared by Product Technology Corporation, dated 06/02/03, signed and sealed by Rene J. Quiroga, P. E.

**D. QUALITY ASSURANCE**

1. Miami Dade Building Code Compliance Office (BCCO).

**E. MATERIAL CERTIFICATIONS**

1. Tensile Test report No. A103W1-Test 1, 2 & 3 dated 23 APR 03 per ASTM E-8 for steel face sheet, prepared by Certified Testing laboratory, signed and sealed by Ramesh Patel, P.E.
2. Test Report No. **NER-384**, reissued dated May 01, 1994, issued by National Evaluation Service Inc to Huntsman Chemical Corporation for "Expanded Polystyrene EPS" for grade 86 & grade 54 for "Surface Burning Characteristics Of Building material" per ASTM E 84.
3. Test Report No. **9691**, dated August 28, 1987, 1994, issued by United Testing Company Inc. to Huntsman Chemical Corporation for "Expanded Polystyrene EPS" for grade 86 & 54 for "Self Ignition Temperature Test" per ASTM D-1929.

**E. STATEMENTS**

1. Statement letter of conformance and no financial interest, dated June 2, 2003, issued by Product Technology corp., signed and sealed by Rene J. Quiroga, P.E.
2. Laboratory Compliance statement issued as part of test report.

*Ishaq I. Chanda*

Ishaq I Chanda, P.E.

Product Control Examiner

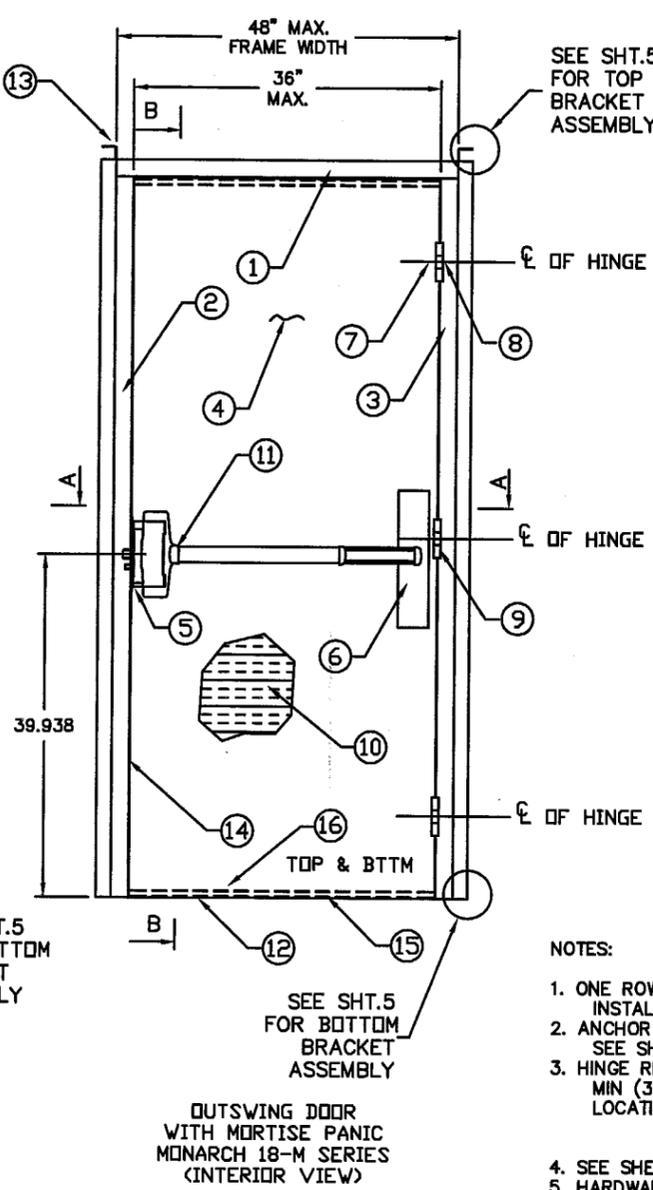
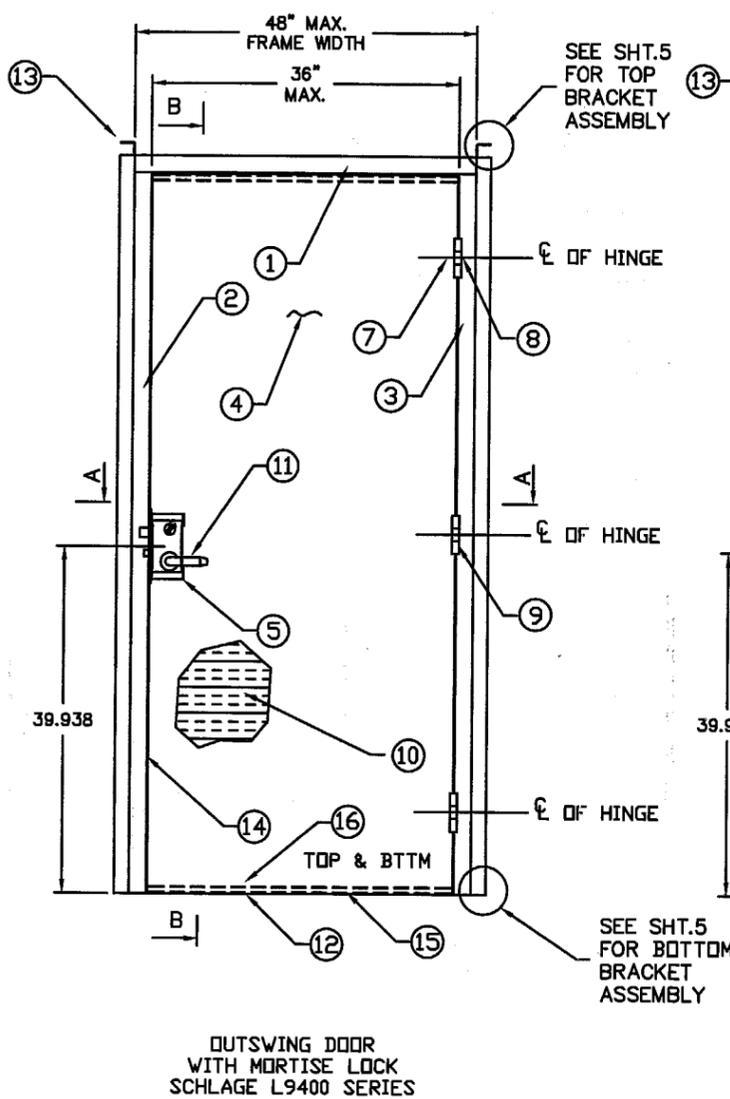
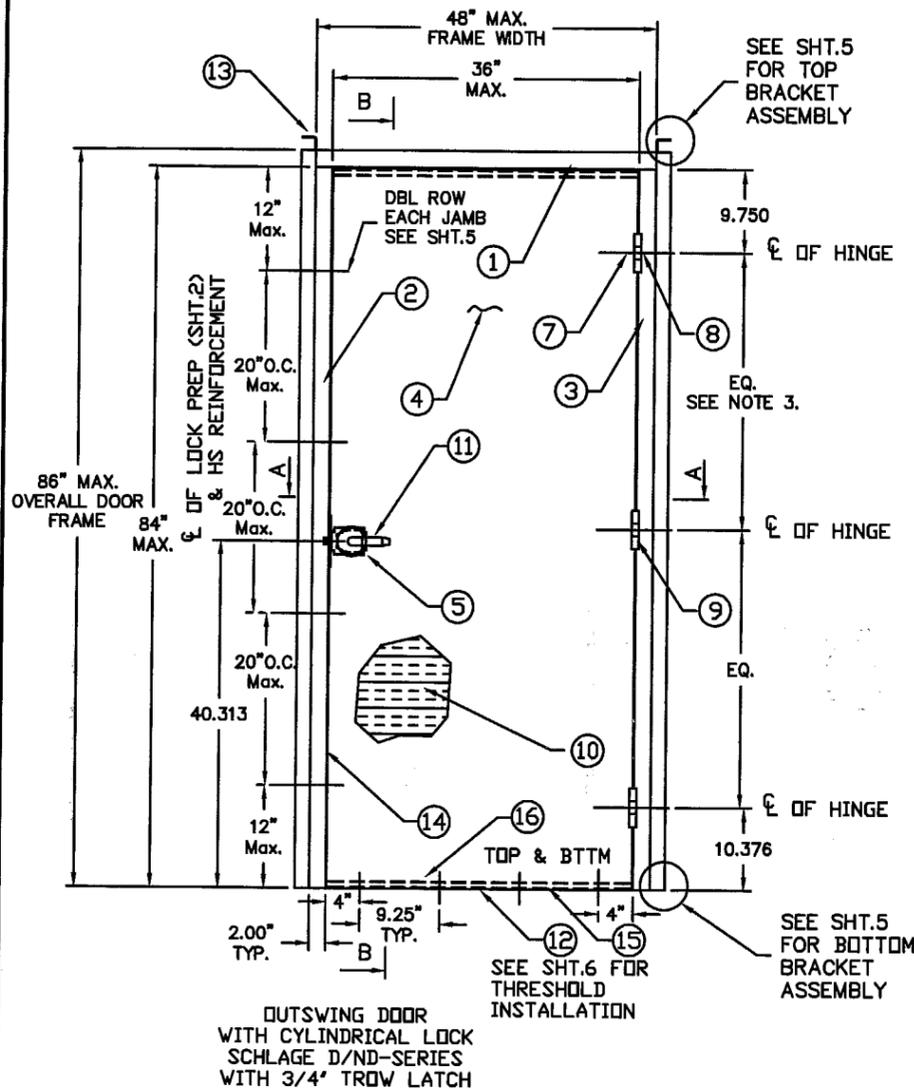
NOA No 03-1107.03

Expiration Date: February 19, 2009

Approval Date: February 19, 2004

DESIGN PRESSURE RATING		
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	NOT APPROVED	+ 70 PSF
NEGATIVE	NOT APPROVED	- 70 PSF

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	03.11.03	
B	REVISED PER DC BCCD YMF	01/29/04	



Approved as complying with the Florida Building Code  
 Date FEBRUARY 19, 2004  
 NOA# 03-1107-03  
 Miami Dade Product Control Division  
 By Ishaq I. Chanda

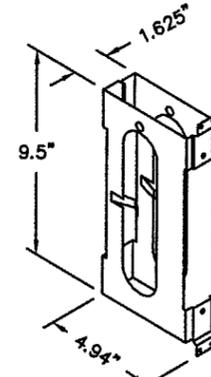
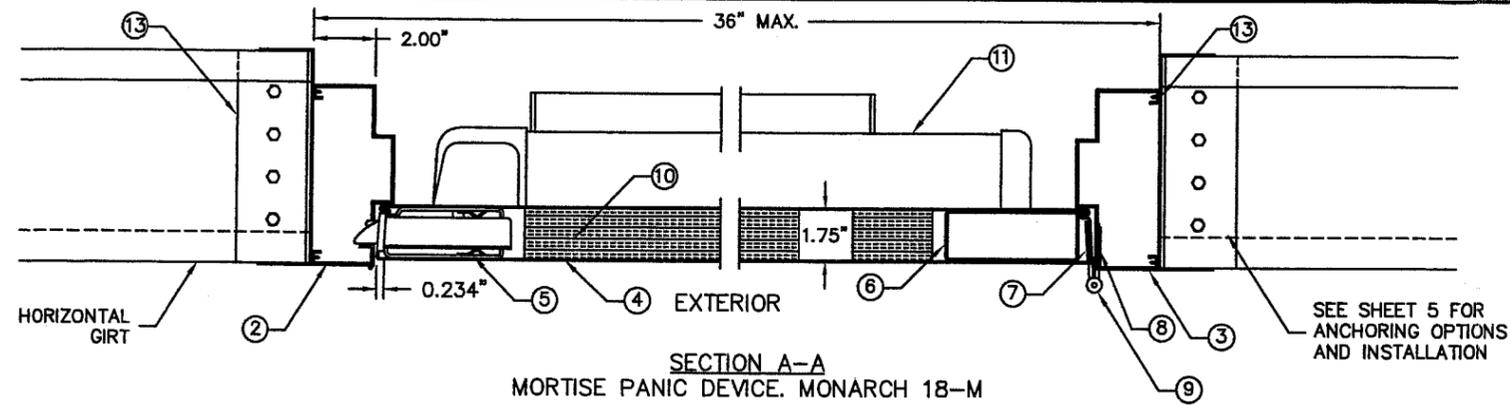
- NOTES:
- ONE ROW OF PS074 WEATHERSTRIPPING PER JAMB AND HEAD. INSTALL PER SHT. 5.
  - ANCHOR REQUIREMENTS: SEE SHEET 5 FOR APPROVED ANCHORING SYSTEM FOR EXPI-DOOR UNIT.
  - HINGE REQUIREMENTS: MIN (3) HINGES  
 LOCATIONS: 9.75" FROM RABBET IN HEAD TO CL OF TOP HINGE  
 10.38" FROM FLOOR TO CL OF BOTTOM HINGE, EQUALLY SPACED IN BETWEEN.
  - SEE SHEET 4 FOR AVAILABLE STANDARD OPENING SIZES AND SPECIFICATIONS.
  - HARDWARE INSTALLATION AS PER MANUFACTURER'S INSTRUCTIONS.
  - APPLY CAULK AS NEEDED.
  - SPECIFIC EGRESS/ESCAPE APPLICATION OF THIS DOOR, IN COMPLIANCE WITH THE FBC, TO BE DETERMINED BY BUILDING OFFICIAL ON CASE BY CASE BASIS.

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	HEAD SECTION SEE SHT 5 ASTM A924 16 GA.	.053" MIN. STL	MAX. 40"
2	1	STRIKE JAMB. SEE SHT 5	.053" MIN. STL	MAX. 86"
3	1	HINGE JAMB SEE SHT 5 ASTM A924 16 GA.	.053" MIN. STL	MAX. 86"
4	1	DOOR SLAB (18 GA) MIN. Fy=43.700 PSI	SEE SHT 4	3'0" X 7'0" MAX.
5	1	LOCK REINFORCEMENT	SEE SHT 2	SEE SHT 2
6	1	HINGE SIDE REINFORCEMENT	.067" MIN. STL	4" X MAX. 20"
7	NOTE 3.	HINGE REINFORCEMENT DOOR ASTM A621 SHT 2	.171" MIN. STL.	1.28" X 9.19"
8	NOTE 3.	HINGE REINFORCEMENT FRAME ASTM A621 SHT 2	.171" MIN. STL.	1.5" X 9.187"
9	NOTE 3.	STANLEY F179/1900 OR HAGER 1279 HINGES	.134" MIN. STL.	4.5" X 4.5" (12-24 MS) 4 SCREWS PER HINGE
10	1	CORE MATERIAL: POLYSTYRENE	SEE SHEET 4	SEE SHEET 4
11	1	LOCKING HARDWARE - SEE SHT 3 A) MONARCH 18-M MORTISE PANIC B) SCHLAGE D/ND-SERIES CYLINDRICAL LOCK C) SCHLAGE L9400 SERIES MORTISE LOCK		
12	1	FULL JAMB DEPTH THRESHOLD SHT 6	.100" ALUM. 6063 T5	.50" X 5.78" X 36" MAX.
13	NOTE 2.	EXPI-DOOR ANCHORING SYSTEM PER SHT 5 & 6		
14	3	PS074 WEATHER STRIPPING SHT 5 & 6	TPE	MAX. 17"
15	1	FAS-SEAL DOOR SWEEP SHT 6	TPE	MAX. 35.66"
16	2	END CHANNEL ASTM A924 INVERTED (14 GA)	.067" MIN. STL.	.69" X 1.66" X 35.66" MAX.
17	AS NEEDED	BUTYL RUBBER OR 100% SILICONE (OPTIONAL)		

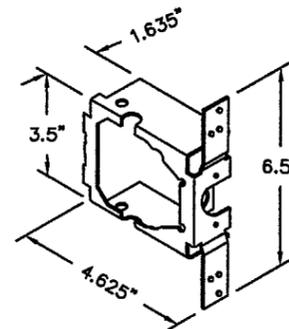
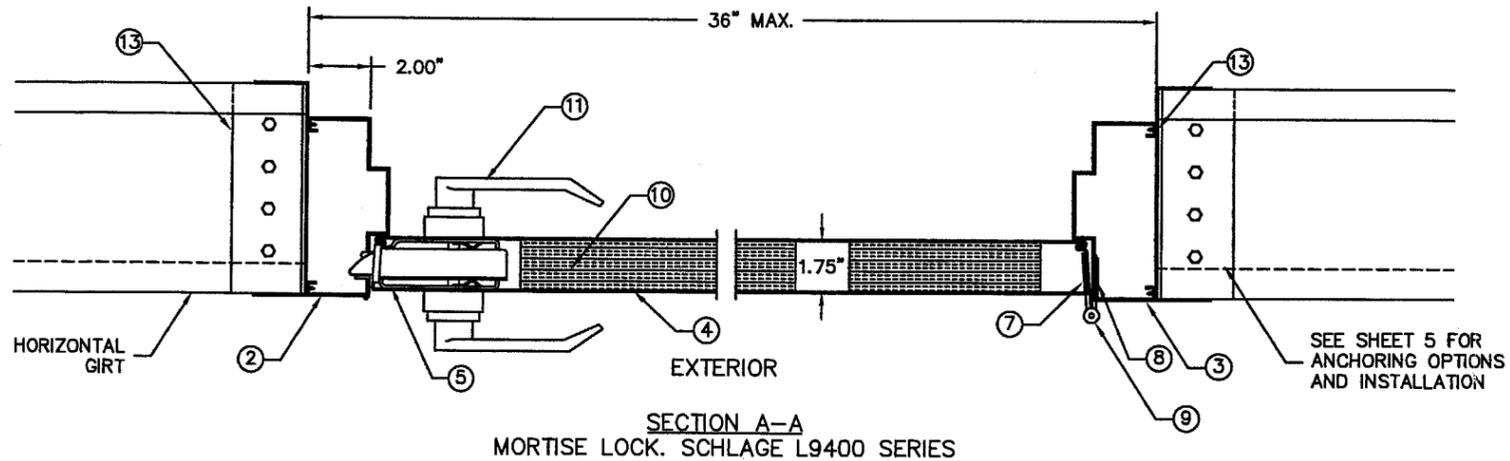
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THIRD ANGLE PROJECTION					
DRAWN <b>NF</b>	DATE 03.11.03	TITLE DADE COUNTY EXPI-DOOR SERIES SYSTEM (OUTSWING) WITH IR HARDWARE		SIZE FLAT	DWG NO. 1035W-1 SHEET 1 OF 6
CHECKED		APPROVED		SCALE NTS	AUTOCAD
ENG. APPVL					REV B

REVISIONS

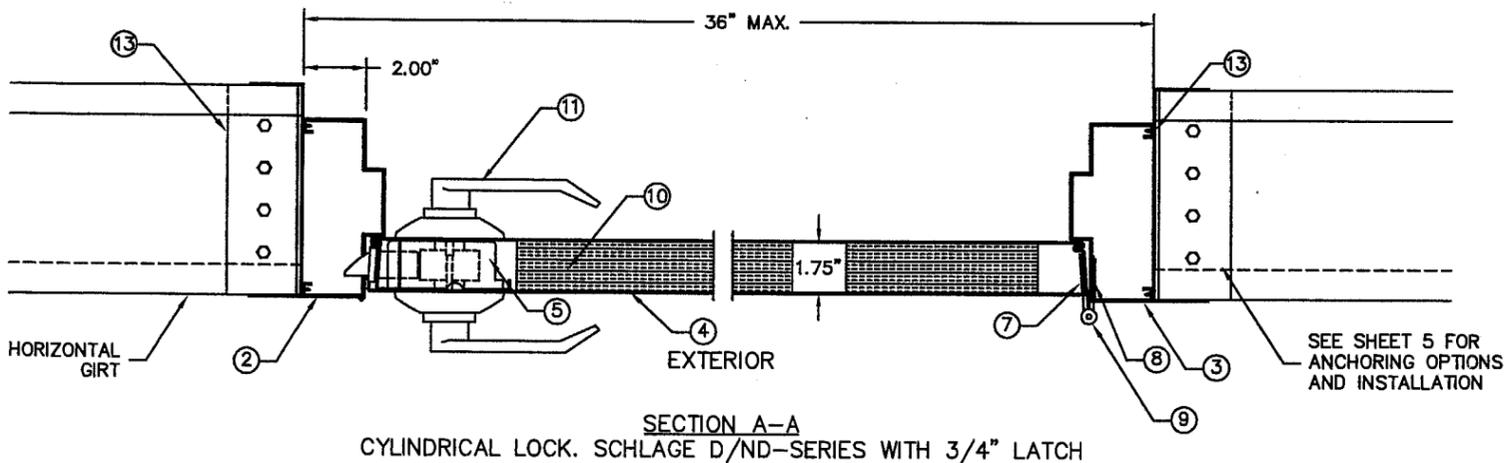
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	03.11.03	
B	REVISED PER DC BCCO YMF	01/29/04	



⑤ 16 GA. MORTISE LOCK/PANIC REINFORCEMENT



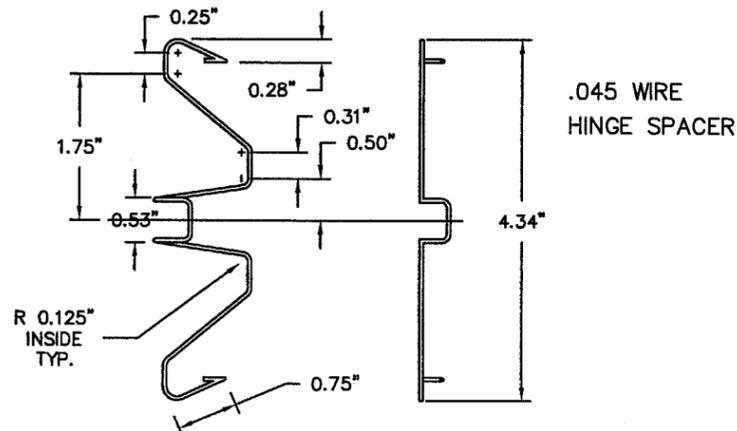
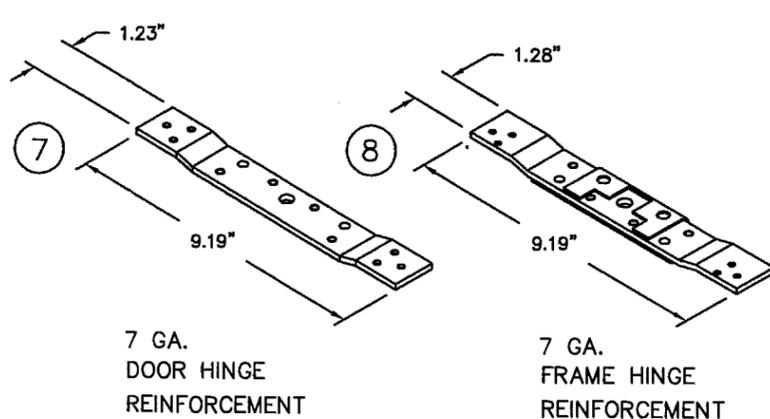
⑤ 16 GA. CYLINDRICAL LOCK REINFORCEMENT



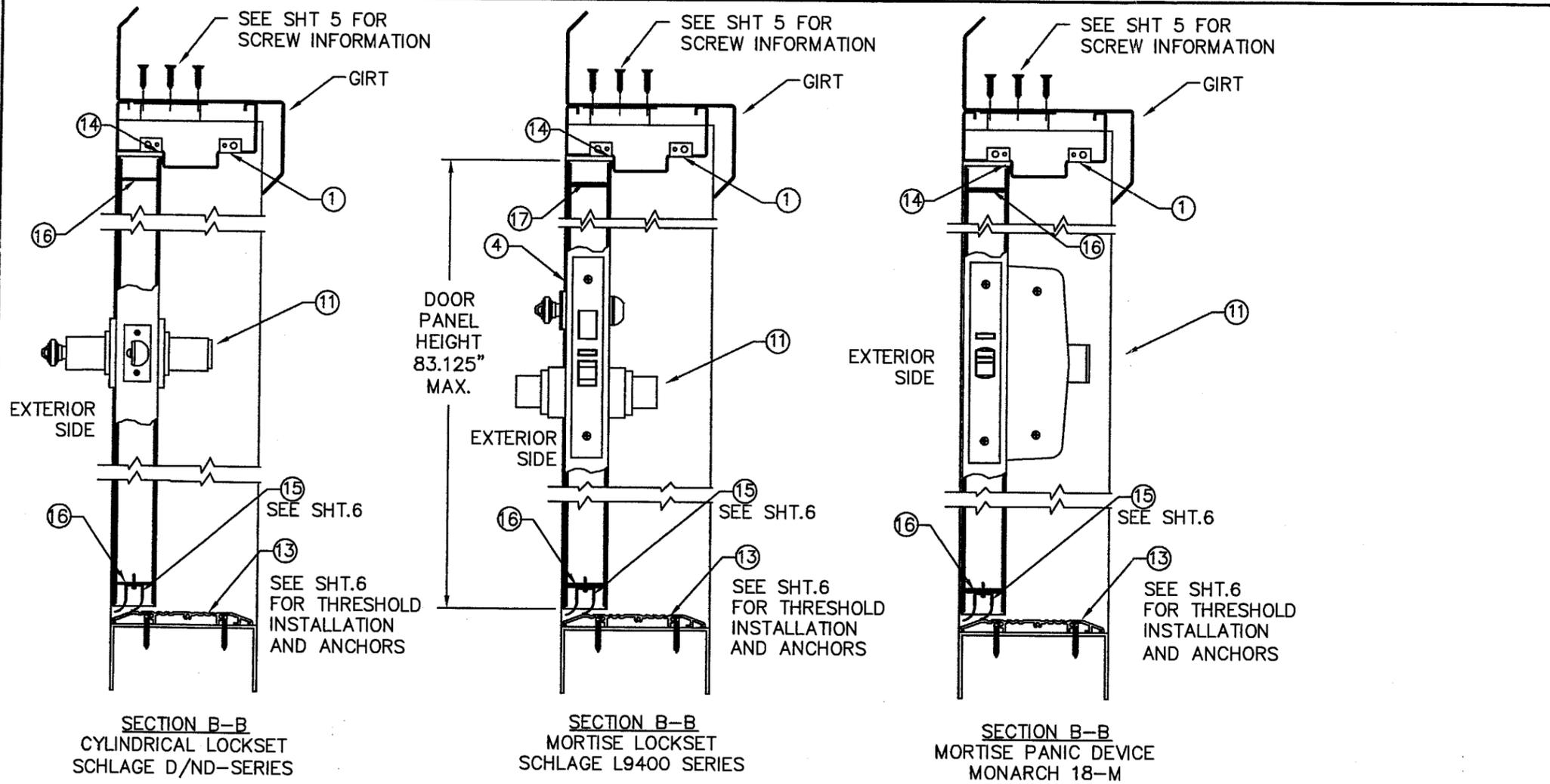
Approved as complying with the Florida Building Code  
 Date FEB 19, 2004  
 NOA# 03-1107-02  
 Miami Dade Product Control Division  
 By [Signature]

NOTES:

- SEE SHT.1 FOR ELEVATION, MATERIAL AND SIZE
- SEE SHT.5 & 6 FOR ANCHOR REQUIREMENTS
- SEE SHT. 5 FOR GIRT/STUD WALL CONSTRUCTION AND ANCHORING SYSTEM.
- SEE SHT. 4 & 5 FOR AVAILABLE SIZES, JAMB DEPTHS AND SPECIFICATIONS.
- APPROVED HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS.

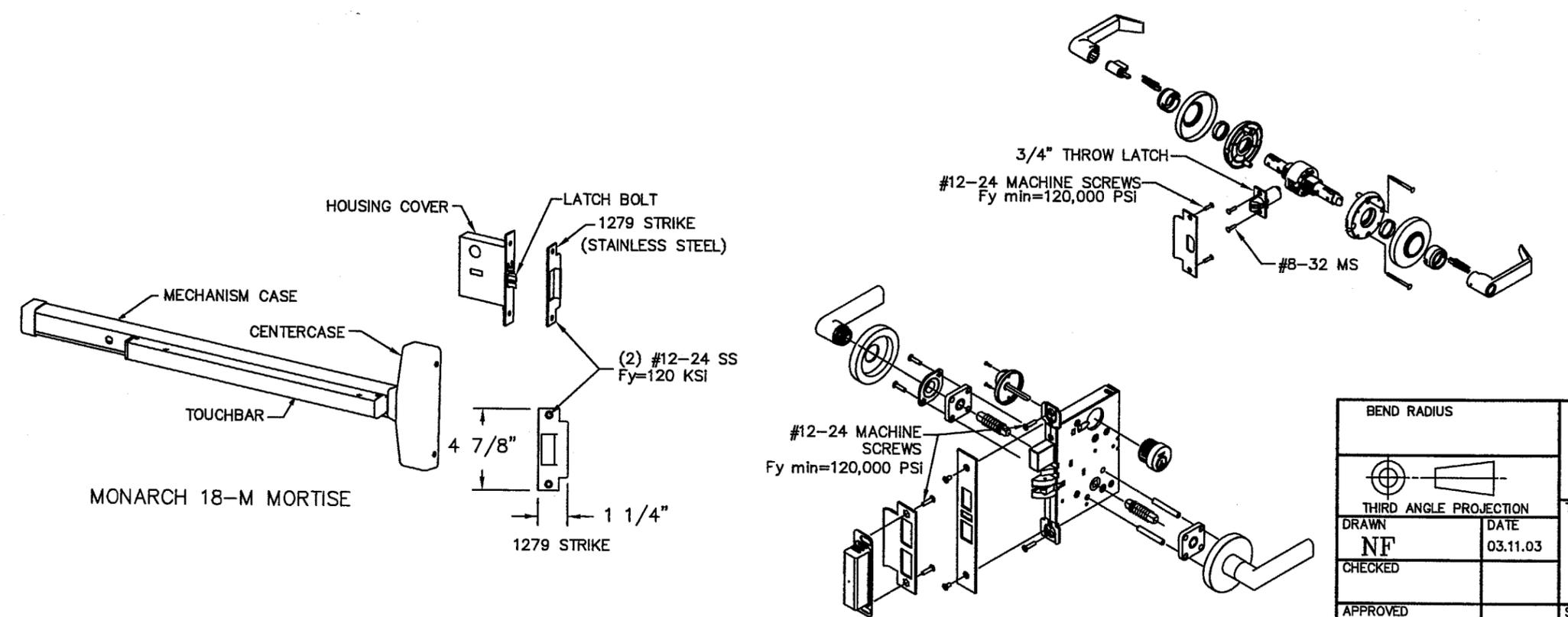


BEND RADIUS				DADE COUNTY	
				CROSS SECTION OF EXPIDOR SERIES UNIT IR EXIT HARDWARE 3070 SINGLE DOORS	
DRAWN NF	DATE 03.11.03	SIZE FLAT	DWG NO. 1035W-1 SHEET	2 OF 6	REV B
APPROVED		SCALE: NTS	AUTOCAD		



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	03.11.03	
B	REVISED PER DC BCCO YMF	01/29/04	

Approved as complying with the Florida Building Code  
 Date: FEB 19, 2004  
 NO. 03-1107-03  
 Miami Dade Product Control Division  
 By: Ishaq I. Chaudhry



**NOTES:**

1. SEE SHT.1 FOR ELEVATION, MATERIAL AND SIZE
2. SEE SHT.5 & 6 FOR ANCHOR REQUIREMENTS
3. SEE SHT. 5 FOR GIRT/STUD WALL CONSTRUCTION AND ANCHORING SYSTEM
4. SEE SHT. 4 & 5 FOR AVAILABLE SIZES, JAMB DEPTHS AND SPECIFICATIONS
5. APPROVED HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS
6. WALL CONSTRUCTION STRUCTURAL MEMBERS MUST BE DESIGNED TO COMPLY WITH APPROVED DESIGN PRESSURE RATING

BEND RADIUS		<b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION			
DRAWN <b>NF</b>	DATE 03.11.03	TITLE DADE COUNTY CROSS SECTION OF EXPIDOR SERIES UNIT IR COMMERCIAL LOCK HARDWARE 3070 SINGLE DOORS	
CHECKED		SIZE FLAT	DWG NO. 1035W-1 SHEET 3 OF 6
APPROVED		SCALE: NTS	REV B
ENG. APPVL		AUTOCAD	

AVAILABLE DOOR CONFIGURATIONS  
(SEE NOTE 1.)

TABLE 1.

DOOR SERIES	CORE MATERIAL PER SHT.7	MAXIMUM OPENING SIZE		SKIN MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
L	POLYSTYRENE	3'0"	7'0"	CRS GALV	18/.044" 16/.053" 14/.067"

AVAILABLE FRAME CONFIGURATIONS  
(SEE NOTE 2.)

TABLE 2.

FRAME SERIES	JAMB DEPTH	MAXIMUM OPENING SIZE		MATERIAL	
		WIDTH	HEIGHT	DESCR.	GA./MIN. THK
PU	5.75" MIN.	3'0"	7'0"	CRS/HRS GALV	16/.053" 14/.067"

Fy MIN. = 43,700 PSI

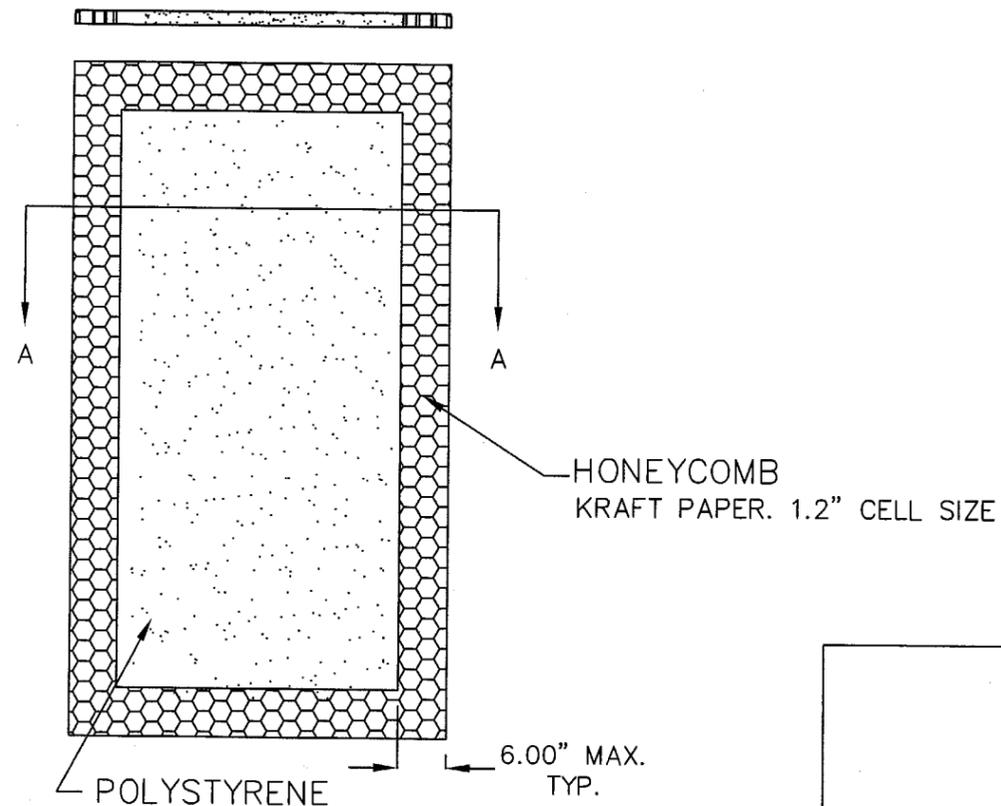
TABLE 3.

CRS ASTM A1008
HRS ASTM A1011
GALV: A60 ASTM A924

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	03.11.03	
B	REVISED PER DC BCCO YMF	01/29/04	

SECTION A-A



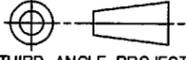
POLYSTYRENE  
EXPANDED POLYSTYRENE FOAM  
GRADES 54 AND 86  
(HUNTSMAN CHEMICAL CO.)  
DENSITY: 1.0 LB/CUFT

6.00" MAX.  
TYP.

NOTES:

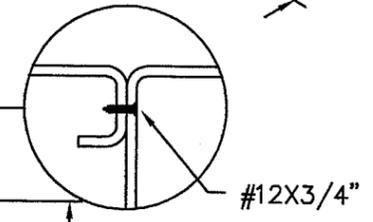
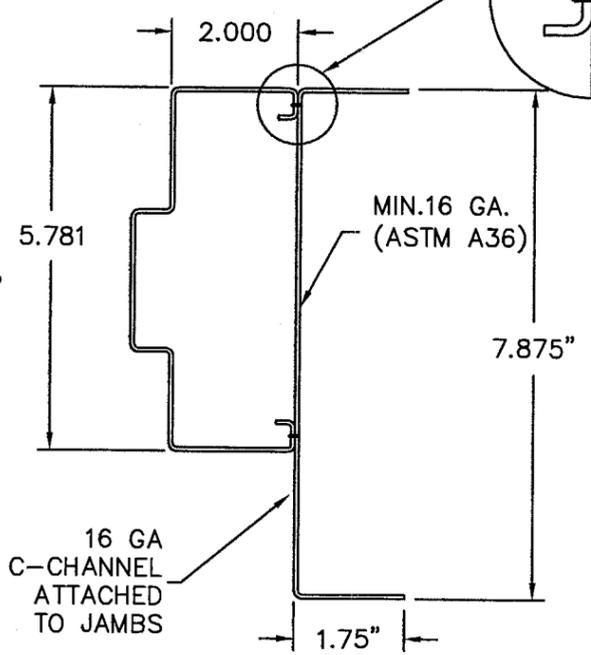
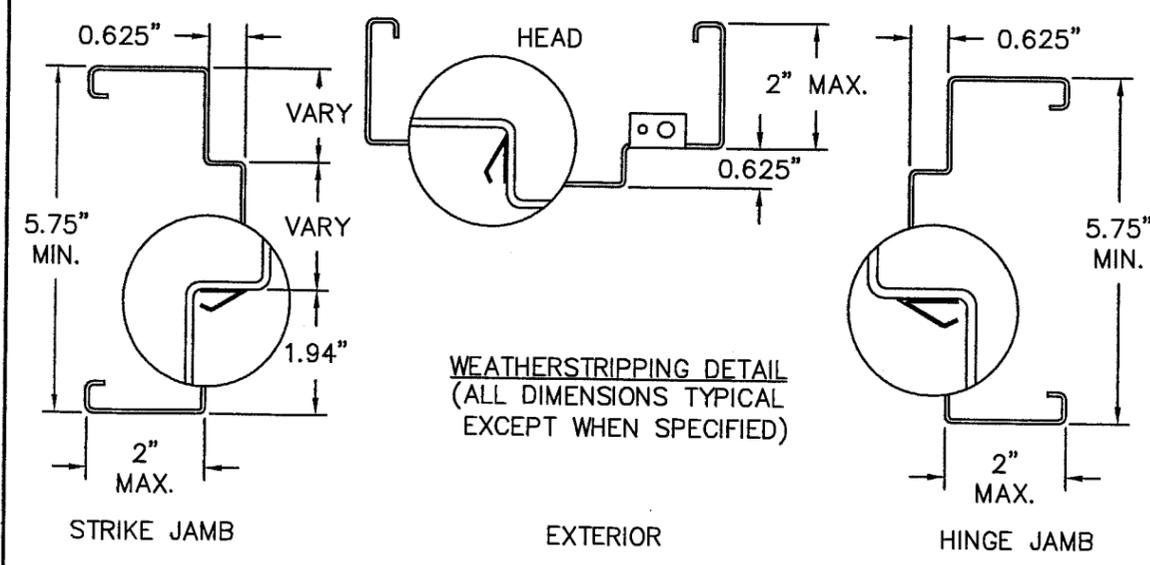
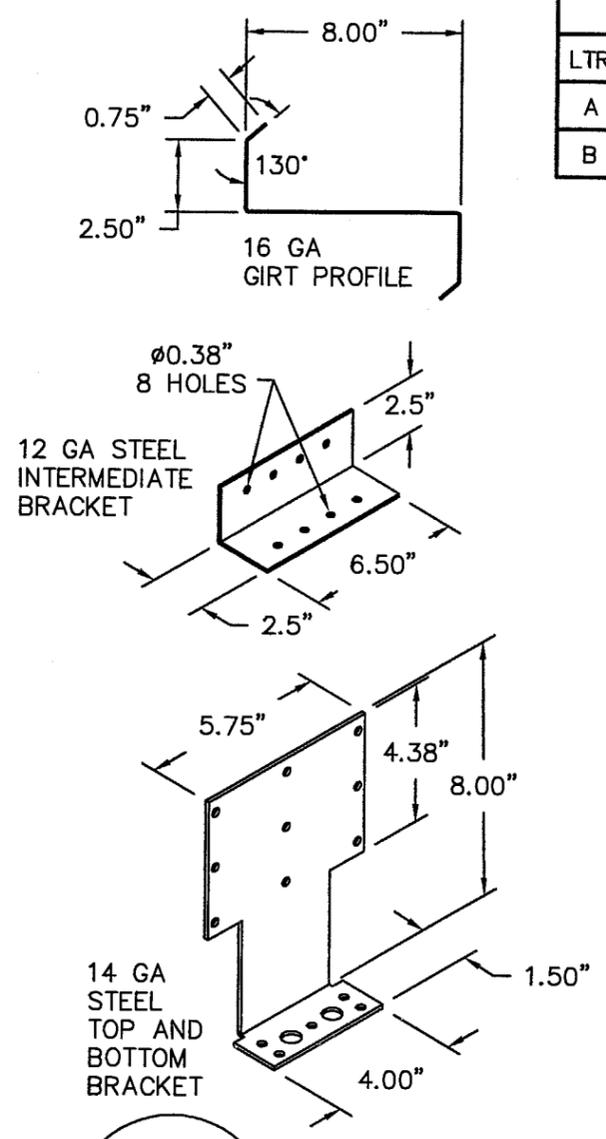
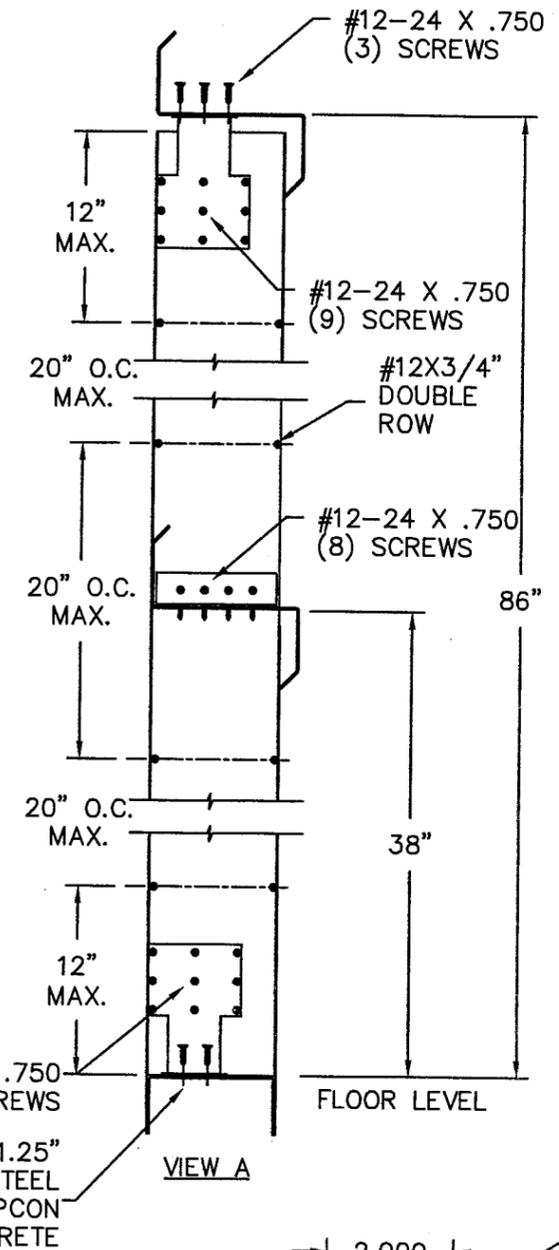
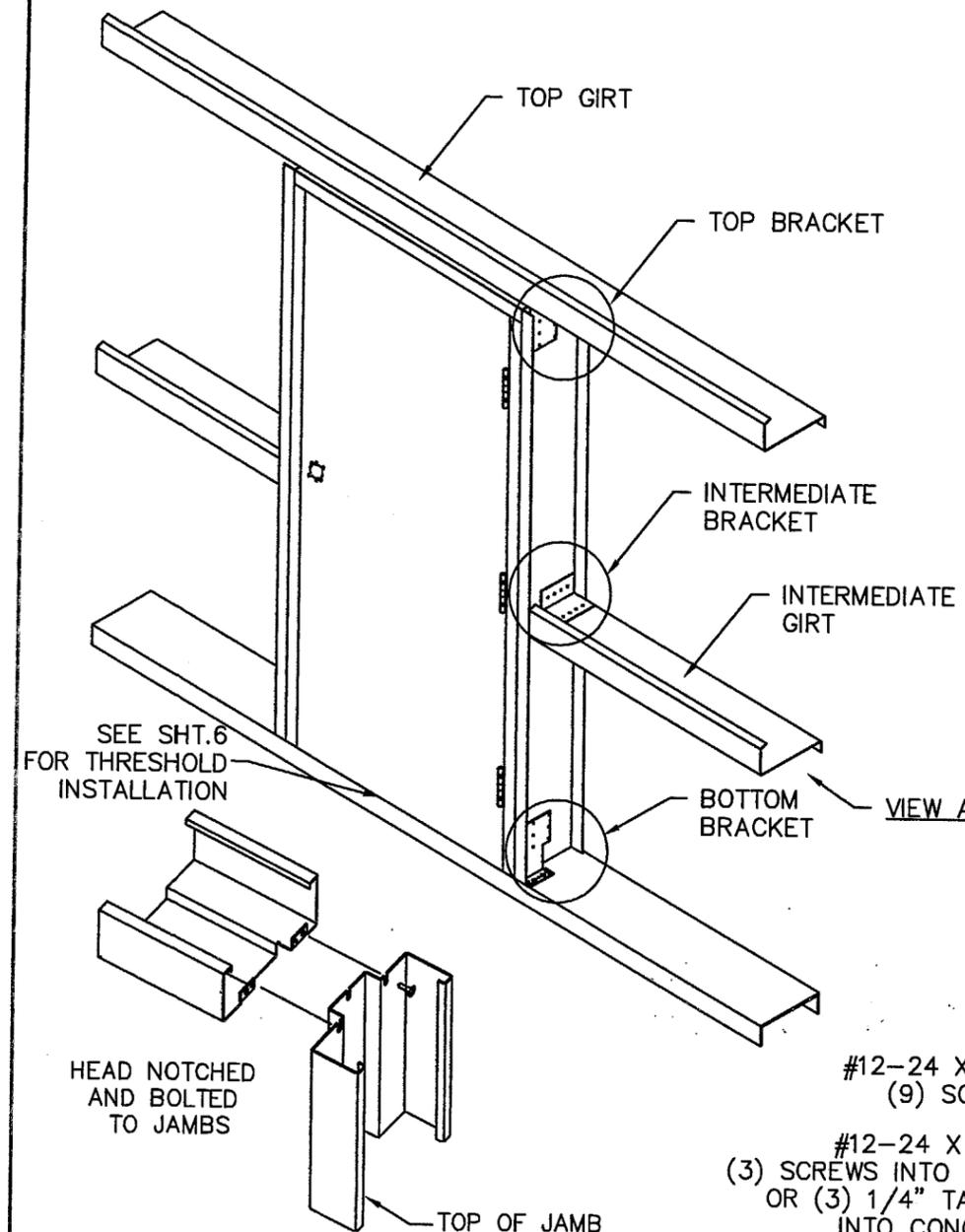
1. DOOR CONSTRUCTION
  - 1.1. MINIMUM DOOR THICKNESS - 1 3/4"
  - 1.2. ALL DOORS ARE FLUSH - NO LITES OR LOUVERS AVAILABLE
2. FRAME CONSTRUCTION
  - 2.1. MINIMUM JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
3. FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 3.
4. CORE MATERIAL SHOWN WITHOUT HARDWARE REINFORCEMENTS

Approved as complying with the  
Florida Building Code  
Date: FEB 19 2004  
NOA# 03-1107-03  
Miami Code Product Council  
By: Ishag I. Chand

BEND RADIUS				 <b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION					
DRAWN NF	DATE 5/01/02	TITLE DADE COUNTY DOOR AND FRAME CONFIGURATIONS AND MATERIAL SPECS. EXPIDOR UNIT			
CHECKED		SIZE	FLAT	DWG NO. 1035W-1	REV B
APPROVED		SCALE: NTS		AUTOCAD	SHT 4 OF 6
ENG. APPVL					

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP		
B	REVISED PER DC BCCO YMF	01/29/04	

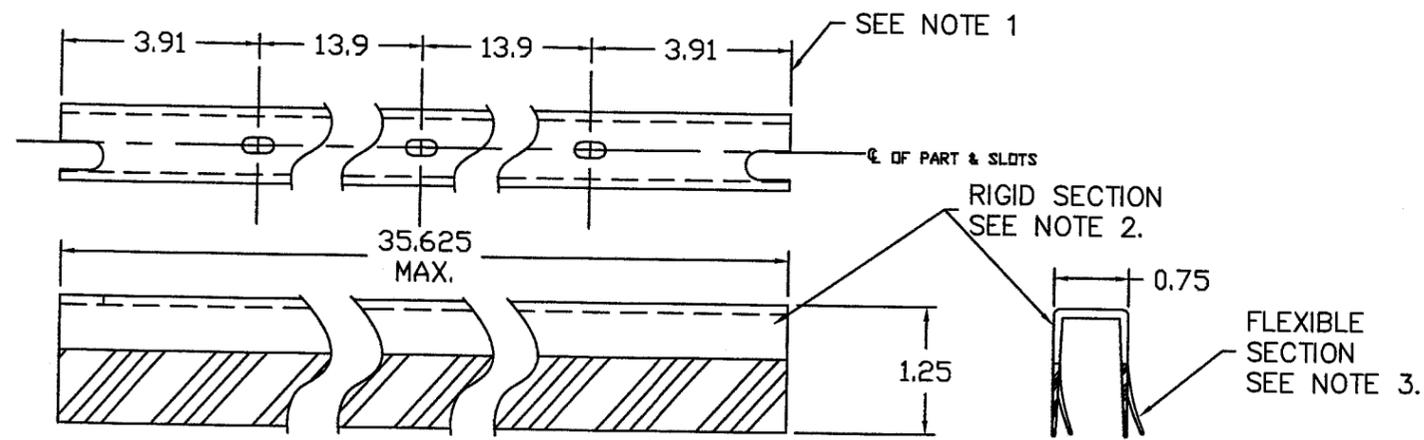


Approved as complying with the Florida Building Code  
 Date FEB 19, 2004  
 NOAH 03-1107.03  
 Miami Dade Product Control  
 Division  
 By Ismael L. Llandis

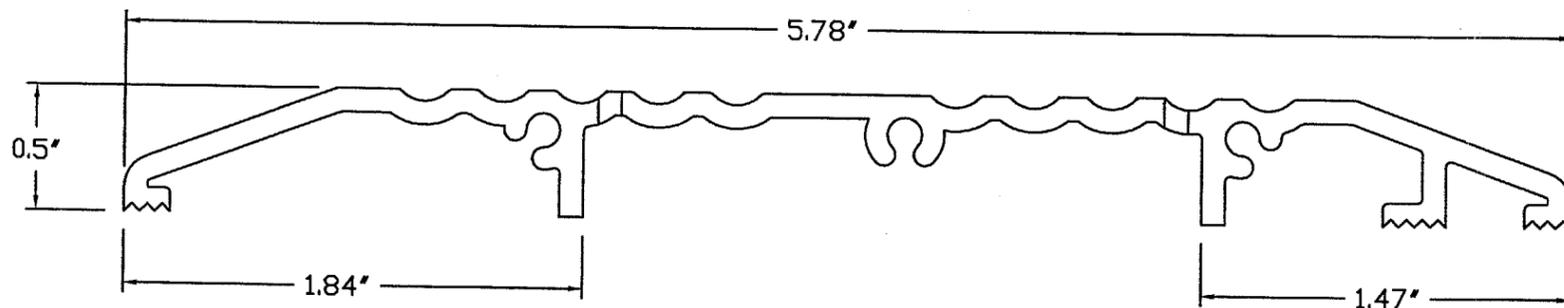
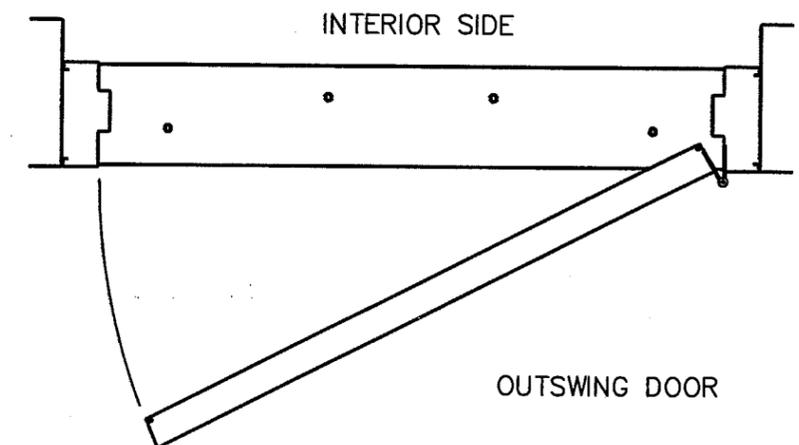
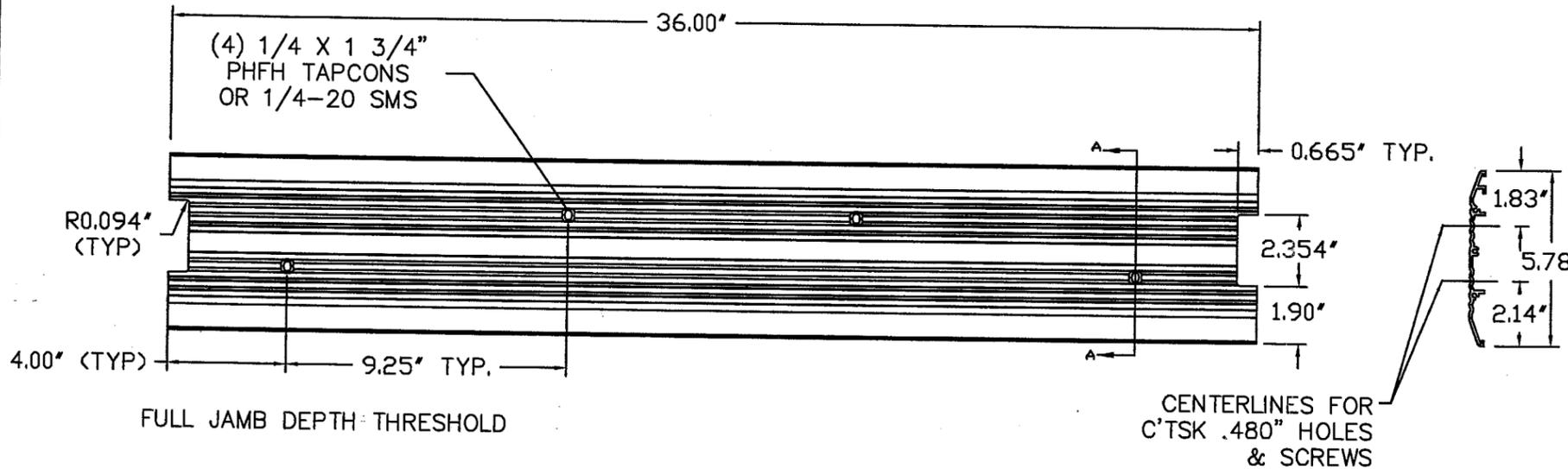
BEND RADIUS		 <b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION			
DRAWN NF	DATE 03.11.03	TITLE DADE COUNTY EXPIDOR SERIES UNIT ASSEMBLY, CORNER DETAILS AND WEATHERSTRIPPING ATTACHMENT	
CHECKED		SIZE FLAT	DWG NO. 1035W-1 SHEET 5 OF 6
APPROVED		SCALE: NTS	AUTOCAD
ENG. APPVL.			REV B

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02/26/03	
B	REVISED PER DC BCCO YMF	01/29/04	



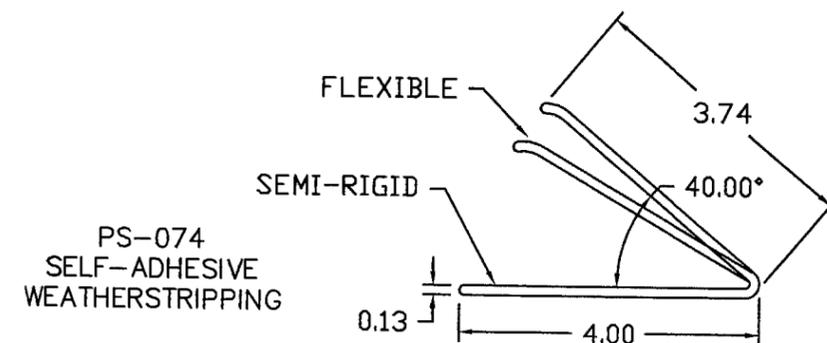
FAS-SEAL DOOR SWEEP



DETAIL A  
THRESHOLD PROFILE

NOTES:

1. SLOT LOCATIONS MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER
3. DOOR SWEEP FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73 73 DUROMETER - SHORE A SCALE



Approved as complying with the Florida Building Code  
 Date: Feb 19, 2004  
 NOA#: 03-1107-03  
 Miami Dade Product Control Division  
 By: Chag I. Chande

BEND RADIUS				<b>INGERSOLL-RAND COMPANY</b> STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION					
DRAWN	NF	DATE	02/05/02	TITLE	
CHECKED				DADE COUNTY DOOR ACCESSORIES BOTTOM SWEEP THRESHOLD AND WEATHERSTRIPPING	
APPROVED		SIZE	FLAT	DWG NO.	1035W-1
ENG. APPVL		SCALE	NTS	AUTOCAD	REV B
				SHT 6 OF 6	