

MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 372-6339

www.maimidade.gov/buildingcode

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: Series Steelcraft "H16 – 4 FL 8080" Outswing Full Louvered Commercial Steel Doors (Thermal efficiency of this product is not part of this approval) – L.M.I.

APPROVAL DOCUMENT: Drawing No. **882W-2**, dated 08/12/02, with revision E dated 10/13/03, titled "Dade County H16 – 4 FL 8080 Double Doors (Outswing) with Full Louver IR Commercial Lock Hardware", Sheets 1 through 7 of 7, prepared by manufacturer, signed and sealed by Gordon Thomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small 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 # 03-0327.02** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



NOA No. 08-0908.20 Expiration Date: November 13, 2013 Approval Date: January 1, 2009 Page 1

Ingersoll-Rand

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No 882W-2, titled "Dade County H16 4 FL 8080 Double Doors (Outswing) with Full Louver IR Commercial Lock Hardware", sheets 1 through 7 of 7, dated 08/12/02, with revision E dated 10/13/03, prepared by manufacturer, signed and sealed by Gordon Thomas, P.E.

B. TESTS

- 1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Large Missile Impact Test per FBC, TAS 201-94
 - 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 5) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94

along with marked-up drawings and installation diagram of a louvered commercial steel door system w/Air Louver, Inc.-1500A steel louver, National Guard Products L-VRSG-2 Air Louver steel louver blades, and Anemostat PLSL fixed blades louver insert, all prepared by Certified Testing Laboratories, Test Report No. CTLA-882W-2, dated August 29, 2002, signed and sealed by Ramesh Patel, P.E.

(Submitted under previous NOA #03-0327.02)

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Large Missile Impact Test per FBC, TAS 201-94
 - 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 5) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94

along with marked-up drawings and installation diagram of a louvered commercial steel door system w/*Anemostat FLDL-UL-SGI* fusible link louver insert and *Anemostat PLSL* fixed blades louver insert, prepared by Certified Testing Laboratories, Test Report No. CTLA-1107W-2, dated September 5, 2003, signed and sealed by Ramesh Patel, P.E. (Submitted under previous NOA #03-0327.02)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with FBC-2004, Project #02-0524, Report # 058, dated June 19, 2002 and revised on November 21, 2002, prepared by Product Technology Corporation, signed and sealed by Rene J. Quiroga, P.E.,
- **2.** Evaluation Report #S05-014R2, dated June 7, 2006, signed and sealed by Gordon Thomas, P.E.

D. QUALITY ASSURANCE

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

Manuel Perez, P.E.
Product Control Examiner

NOA No. 08-0908:20. Expiration Date: November 13, 2013

Approval Date: January 1, 2009

Ingersoll-Rand

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

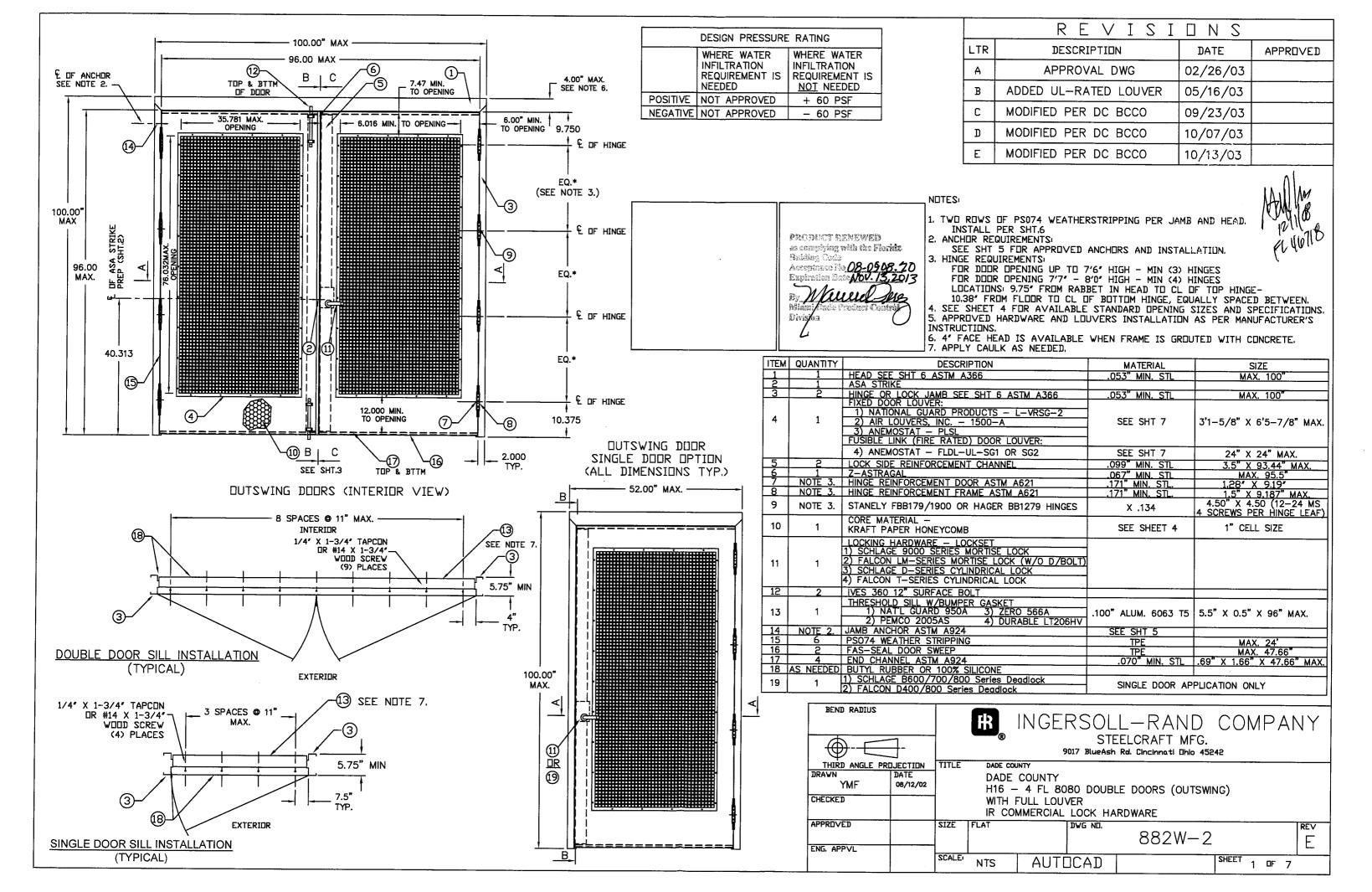
1. Statement letter of conformance and no financial interest, dated August 23, 2008, signed and sealed by Gordon Thomas, P.E.

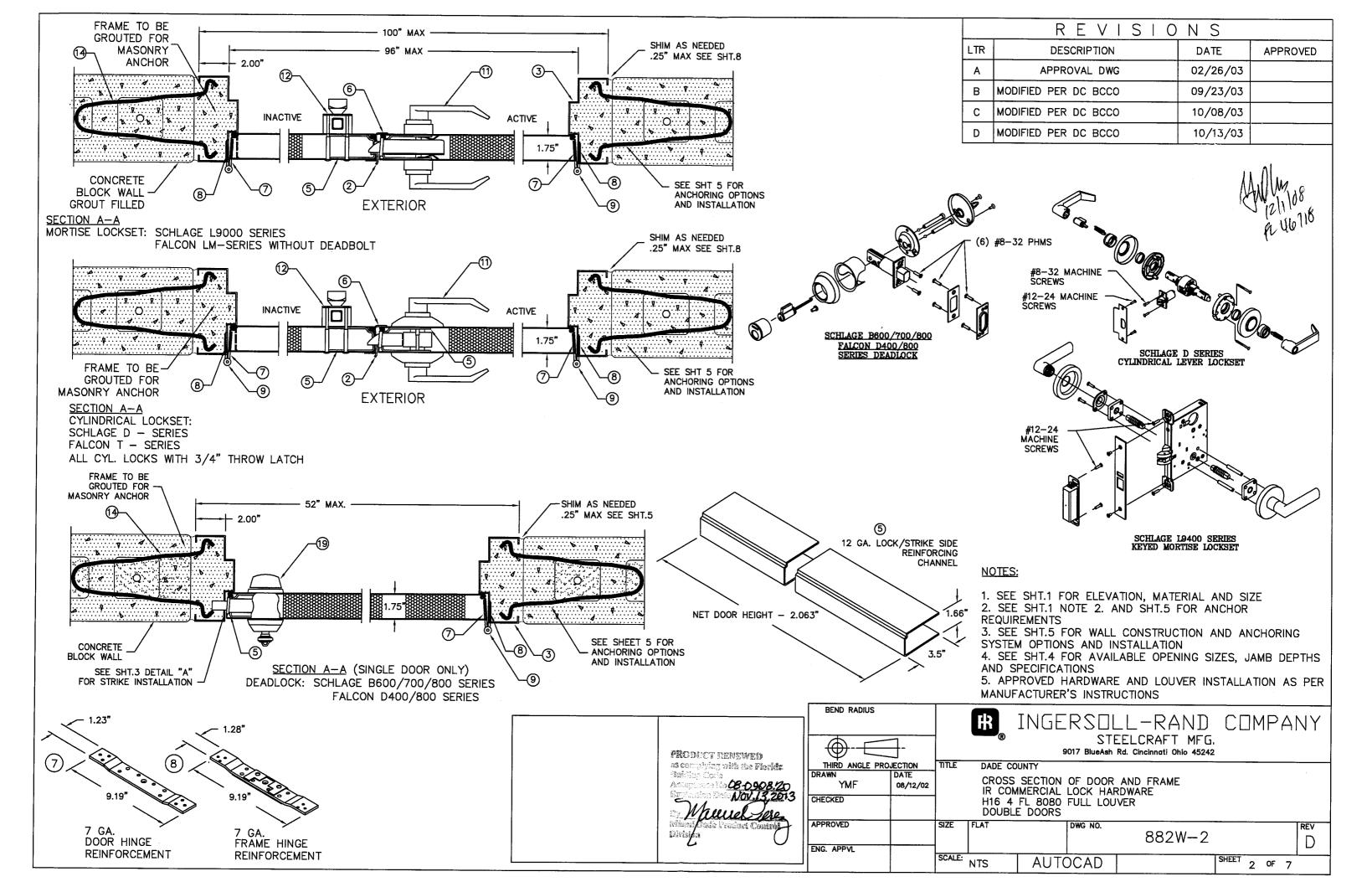
G. OTHER

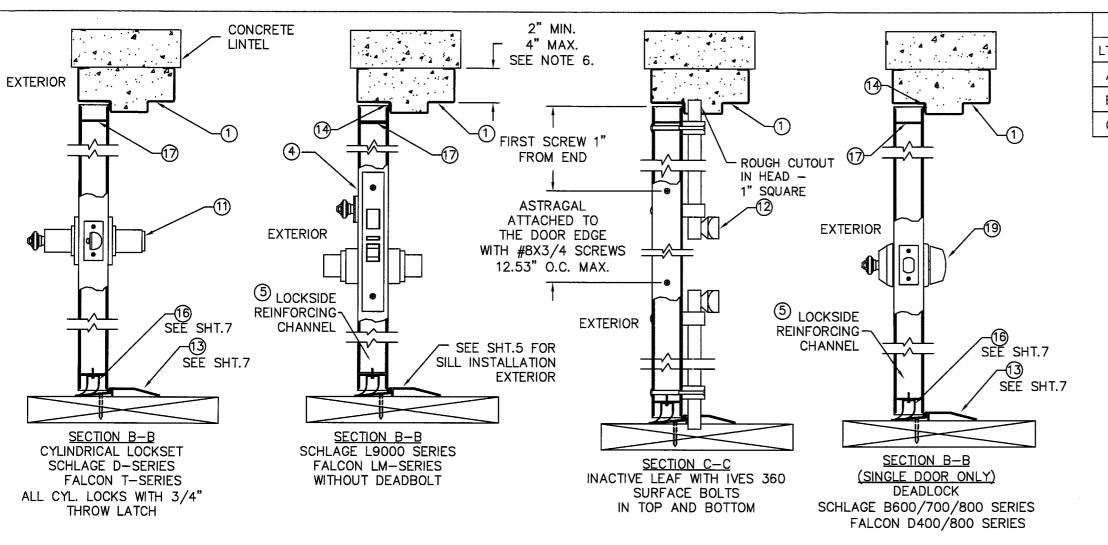
1. Notice of Acceptance No. 03-0327.02, issued to Ingersoll-Rand for their Series "Steelcraft H16-4FL 8080" Commercial Steel Door, approved on 11/13/03 and expiring on 11/13/08.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-0908.20

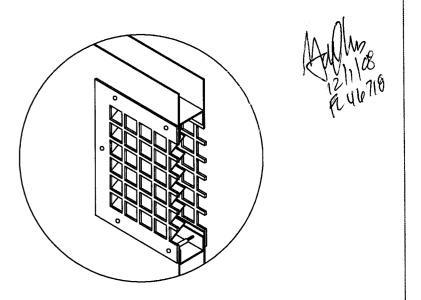
Expiration Date: November 13, 2013 Approval Date: January 1, 2009



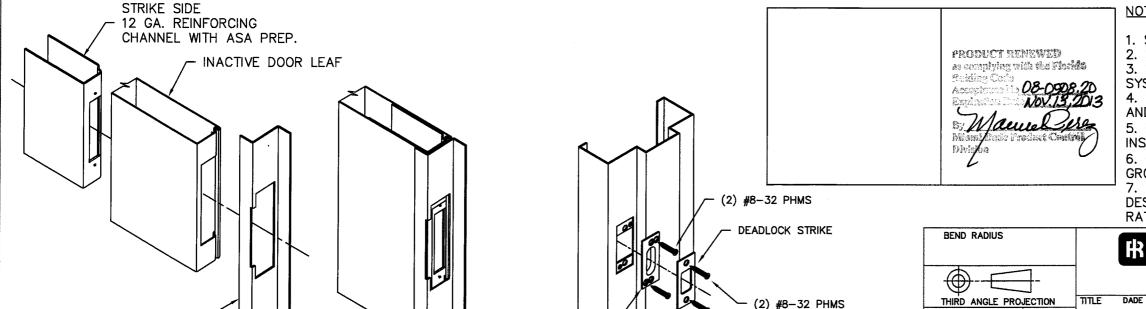




REVISIONS					
LTR	DESCRIPTION	DATE	APPROVED		
Α	APPROVAL DWG	02/26/03			
В	MODIFIED PER DC BCCO	09/23/03			
С	MODIFIED PER DC BCCO	10/08/03			



SECURITY LOUVER DETAIL LOUVERS: NATIONAL GUARD L-VRSG-2 AIR LOUVERS 1500-A ANEMOSTAT PLSL OR FLDL-UL-SG1 OR SG2



STRIKE

PLATE

DETAIL "A"

DEADLOCK STRIKE INSTALLATION FOR

SCHLAGE B600/700/800 SERIES AND

FALCON D400/800 SERIES

REINFORCEMENT

Z-ASTRAGAL WITH ASA

STRIKE PREP.

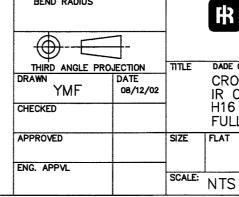
INACTIVE LEAF

ASA STRIKE PREP

AND ASSEMBLY DETAIL

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. 4 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
- 5. 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 COMLY WITH APPROVED DESIGN PRESSURE RATING.



STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242

DADE COUNTY CROSS SECTION OF DOOR AND FRAME IR COMMERCIAL LOCK HARDWARE H16 4 FL 8080

FULL LOUVER DOUBLE DOORS

882W-2 **AUTOCAD** SHT 3 OF 7

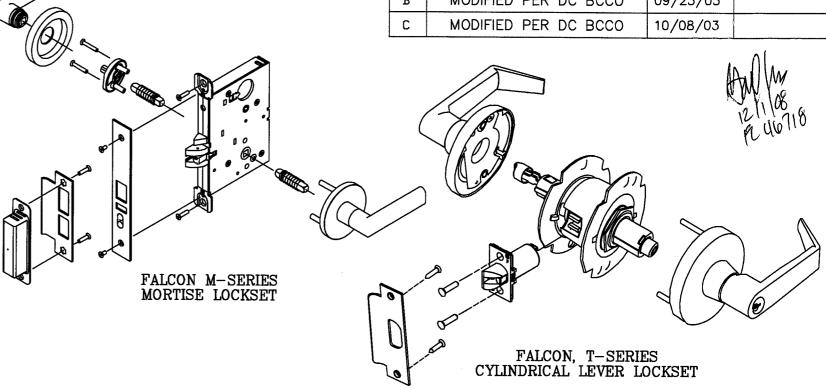
AVAILABLE DOOR CONFIGURATIONS (SEE NOTE 1.)

TABLE 1.

CORE MATERIAL	MAXIMUM OPENING SIZE		SKIN MATERIAL		
PER SHT.7	WIDTH	HEIGHT	DESCR.	GA./MIN. THK	
HONEYCOMB POLYSTYRENE POLYURETHANE	8'0"	8'0"	CRS GALV	16/.053" 14/.067"	
HONEYCOMB POLYSTYRENE POLYURETHANE	8'0"	8'0"	STAINLESS STEEL	16/.053"	

MINUMUM YIELD STRENGTH = 27,000 PSI

	REVISI	\square N S	
LTR	DESCRIPTION	DATE	APPROVED
Α	APPROVAL DWG	02/26/03	
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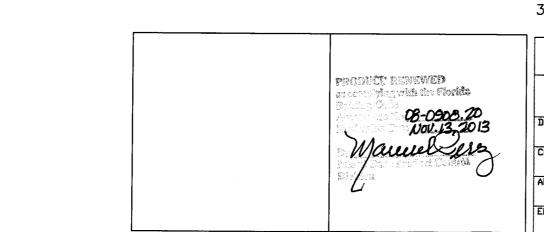
AVAILABLE FRAME CONFIGURATIONS (SEE NOTE 2.)

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

MINUMUM YIELD STRENGTH = 27,000 PSI

NOTES:

- 1. DOOR CONSTRUCTION
- 1.1. MINIMUM DOOR THICKNESS 1 3/4"
- 1.2. LOUVER OPENING SIZE TESTED (SEE SHEET 1) IS MAX SIZE AVAILABLE FOR 8'0" X 8'0" OPENING. ALL SMALLER SIZES ARE ACCEPTABLE.
- 1.3. MAXIMUM LOUVER OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE, KEEPING THE SAME STILE AND RAIL MINIMUM DIMENSIONS SPECIFIED IN ELEVATION ON SHEET 1 OF 7.
- 2. FRAME CONSTRUCTION
- 1.1. MINIMUM JAMB DEPTH -53/4", STOP HEIGHT -5/8"
- 2.2. FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULT-USE (MU-SERIES) (SEE TABLE.2)
- 3. FOR MATERIAL SPECIFICATIONS REFERENCE SEE TABLE 3.



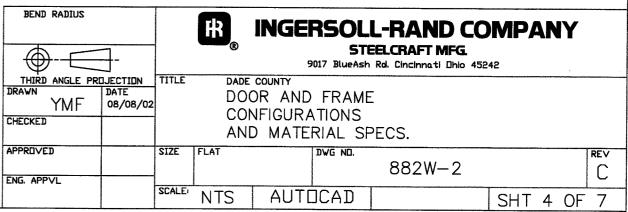
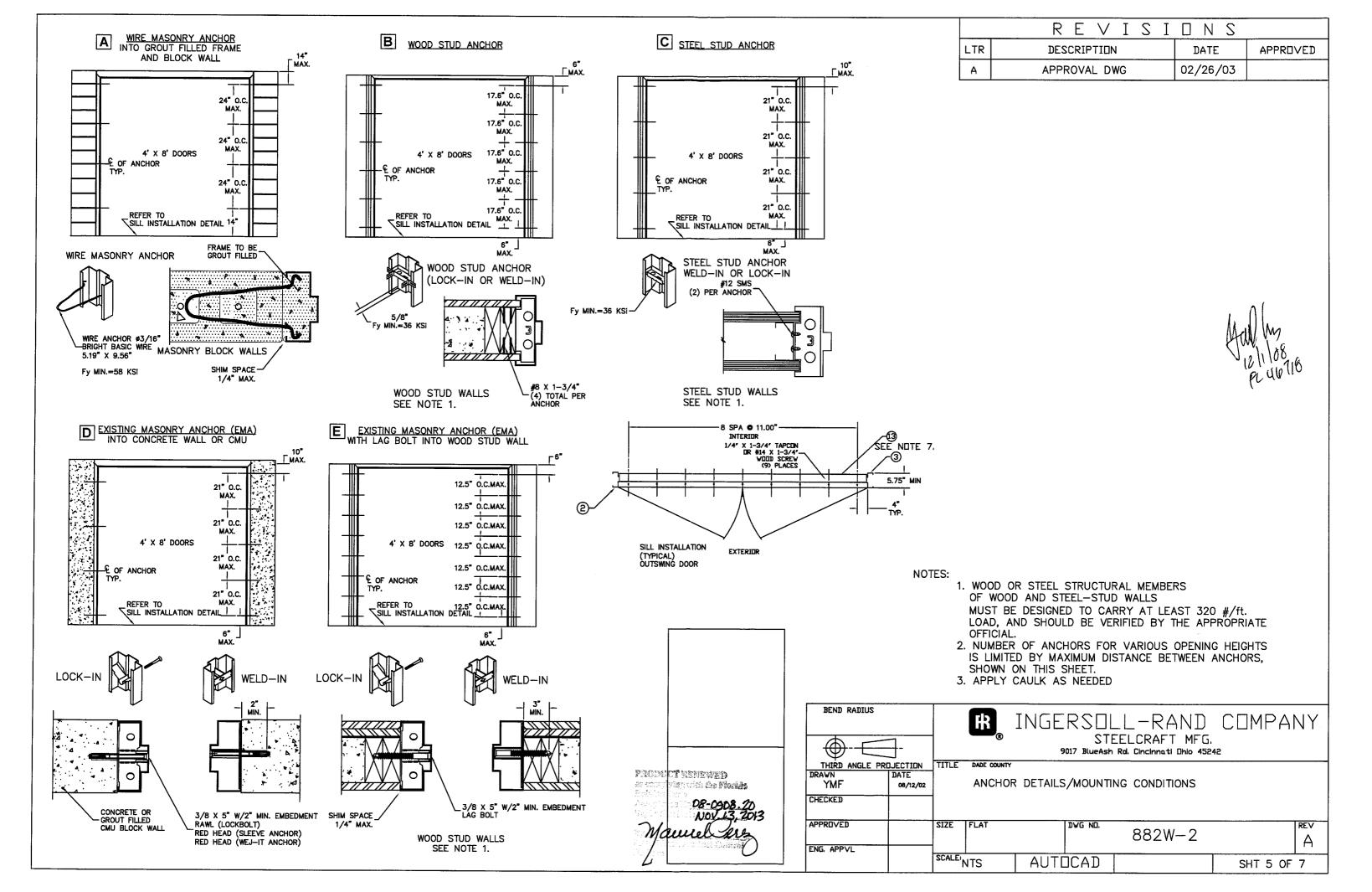
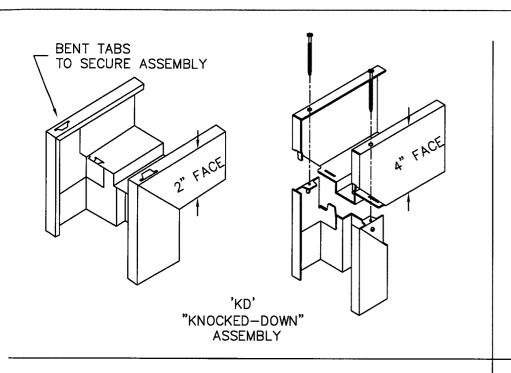


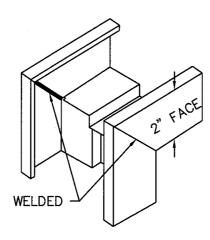
TABLE 3.

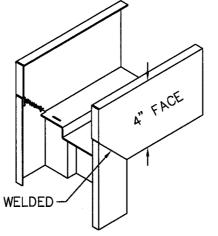
TABLE 2.

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



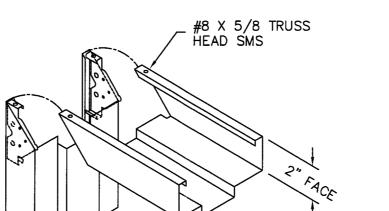






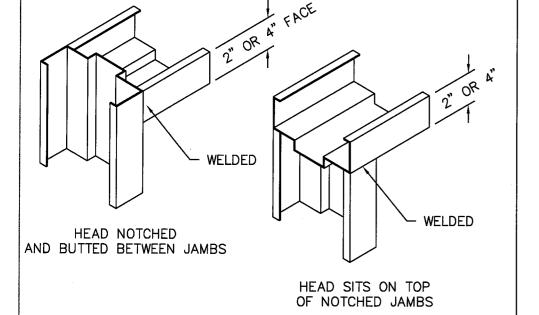
'SUA' SET-UP AND ARC-WELDED ASSEMBLY

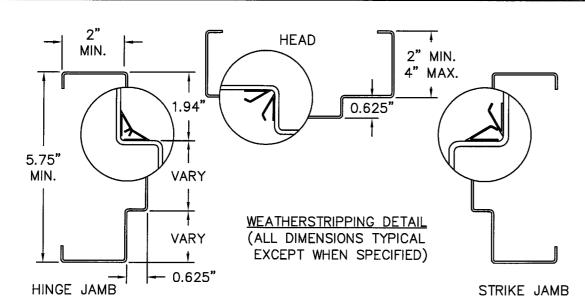
"MULTI-USE" SERIES ASSEMBLY

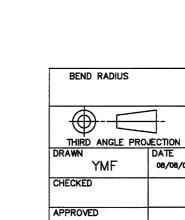




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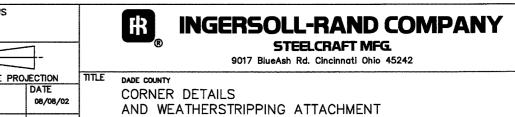






ENG. APPVL

SCALE:



REVISIONS

DESCRIPTION

MODIFIED PER DC BCCO

APPROVAL DWG

LTR

В

DATE

02/26/03

09/23/03

AND WEATHERSTRIPPING ATTACHMENT FOR FLUSH FRAME AND MU FRAMES

SIZE FLAT DWG NO. 882W-2

AUTOCAD

pc 46718

В

SHT 6 OF 7

PRODUCT RENEWED

