



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,(98/99 Rim Exit) Flush 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.: 01-1203.11
EXPIRES: 01/14/2007

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: 01/24/2002

NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS

1. SCOPE

1.1 This **renews** Notice of Acceptance (NOA) No. **98-0915.04**, which was issued on January 14, 1999. It renews the approval of a commercial steel door, as described in Section 2 of this NOA, 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, SL Door and F, MU frame**" **Flush Outswing Commercial Steel Door- w/Von Duprin 98/99 Rim exit- Impact** and its components shall be constructed in strict compliance with the following document: Drawing No **270-W**, Sheets 1 through 11 of 11, titled "Dade county L16-4 8070 Pair Von Duprin Exit Hardware," prepared by manufacturer, dated 03/20/98 and revised on 11/26/01, bearing the Miami-Dade County Product Control renewal stamp with the NOA number and expiration date by the Miami-Dade County Product Control Division. This document shall hereinafter be referred to as the approved drawings.

3. LIMITATIONS

3.1 This approval applies to single unit applications of pair of doors and single door only, as shown in approved drawings.

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".

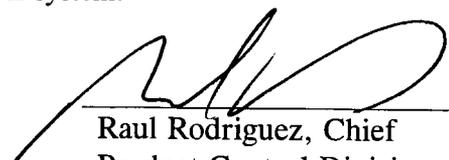
6. BUILDING PERMIT REQUIREMENTS

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.



Raul Rodriguez, Chief
Product Control Division

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 purpose.
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 need 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.

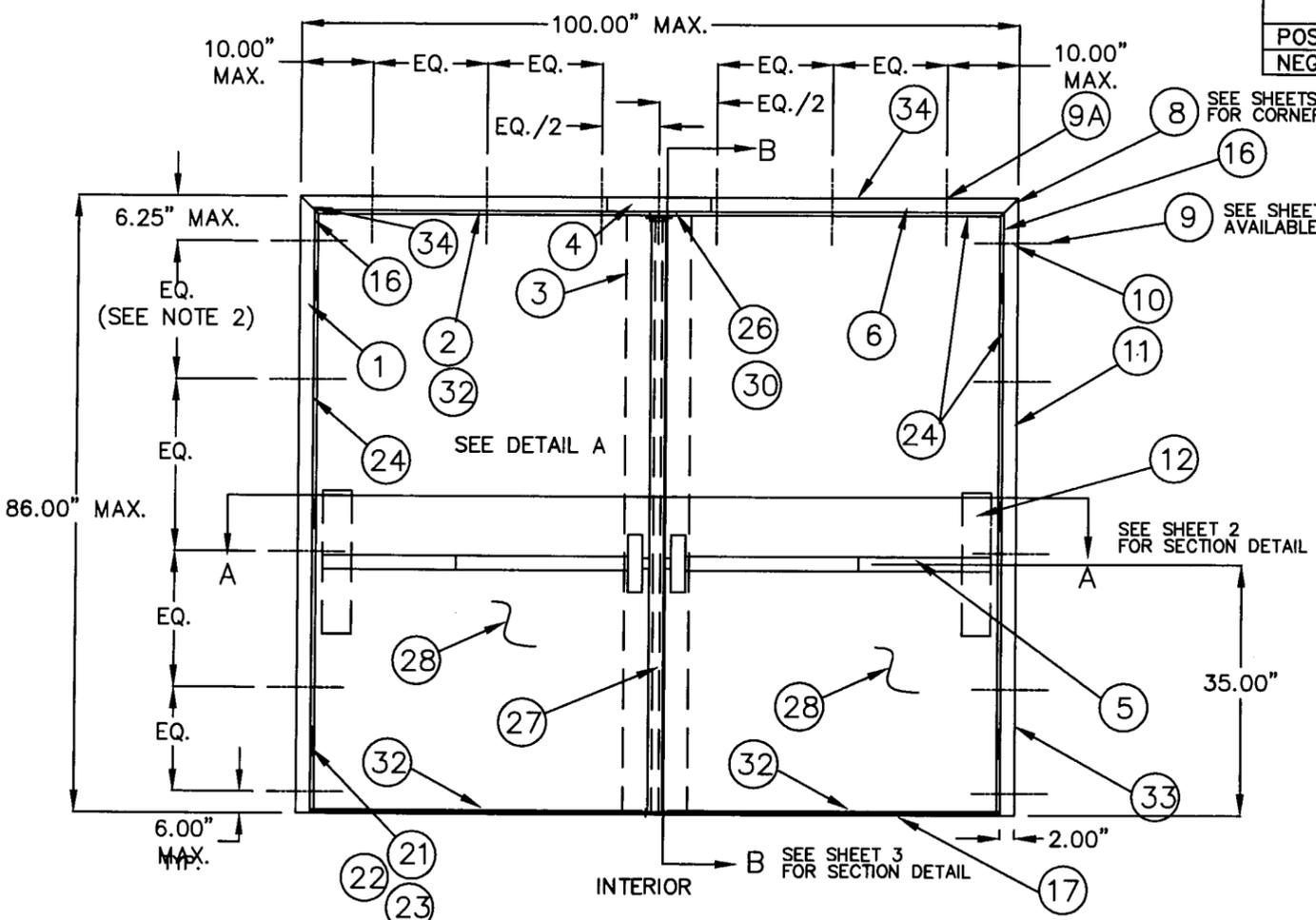
END OF THIS ACCEPTANCE



Raul Rodriguez, Chief
Product Control Division

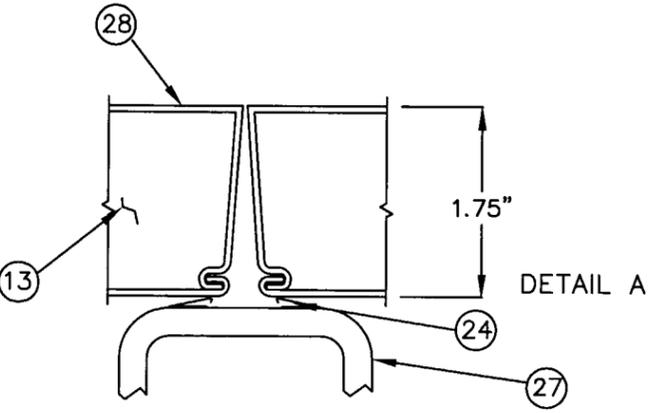
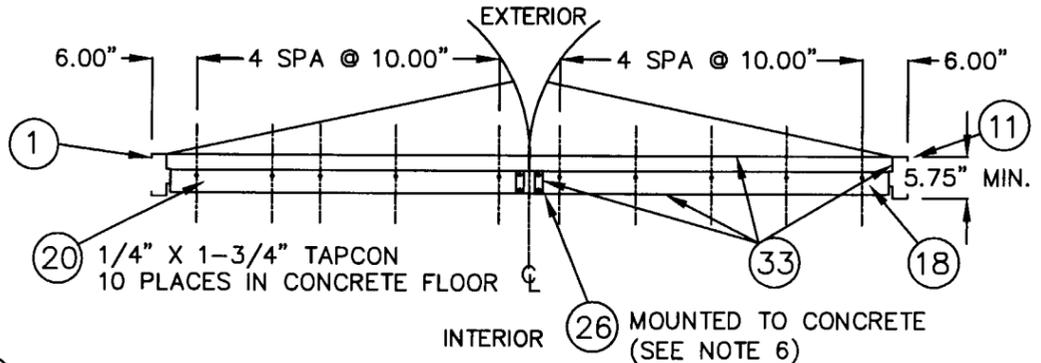
DESIGN PRESSURE RATING		
	NOT TESTED FOR WATER PENETRATION	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	Not Approved	+ 65 PSF
NEGATIVE	Not Approved	- 65 PSF

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	3.20.98	
B	GENERAL REVISION	7/15/98	
C	GENERAL REVISION	7/24/98	
D	GENERAL REVISION	8/31/98	
F	GENERAL REVISION	11/20/98	
G	REV'D NOTES, DIM'S	YMF 11/26/01	



- (1) ROW OF PS074 WEATHERSTRIPPING ON HEAD AND JAMBS SEE SHEETS 2&3
- MIN. (5) ANCHORS PER JAMB AND (7) ANCHORS IN DBL HEAD REQUIRED, APPROX. EQUALLY SPACED IN LENGTH (NOT TO EXCEED 24\" O.C.)
- SEE SHEET 8 FOR AVAILABLE STANDARD OPENING SIZES & SPECIFICATIONS.
- HINGE LOCATIONS ON FRAME:
FROM FLOOR TO BOTTOM HINGE- 10.38\" MAX.
BETWEEN HINGES- 31.94\" MAX. FROM RABBET IN HEAD TO HINGE 9.75\"
- SEE SHEET 10 FOR OPTIONAL HARDWARE CONFIGURATION AND ASSEMBLY OF MULLION
- NOTCH SILL TO FIT AROUND MULLION MOUNTING BASE, CAULK BETWEEN SILL AND BASE.

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	LEFT HAND HINGE JAMB SEE SHT 8 ASTM A366	.053\" MIN. STL	MAX 86.00\"
2	2	TOP CAP GALV. ASTM A924	.022\" MIN. GALV.	.50\" X 1.799 X 47.66 MAX
3	2	VERTICAL ROD REINFORCING ASTM A366	.067\" MIN. STL	4\" X 81.5\" MAX
4	1	REINFORCING SLEEVE ASTM A924	.067\" MIN. GALV.	5.62\" MIN. X 16\"
5	2	VON DUPRIN 98/99 RIM W/499F STRIKE	SEE SHT 10	
6	1	HEAD SEE SHT 8 ASTM A366	.053\" MIN. STL	MAX. 100\"
8	2	CORNER PREP	SEE SHT 9	
9	10	EMA SCREW 3/8 X 5 5/JAMB	STEEL	3/8\" X 5\"
9A	6	EMA SCREW 3/8 X 5 6/HEAD	STEEL	3/8\" X 4.5\"
10	16	EMA ANCHOR 6/HEAD, 5/JAMB ASTM A924	.042\" MIN. GALV.	2.56\" X 6.94\" MIN.
11	1	RIGHT HAND JAMB SEE SHT 8	.053\" MIN. STL	MAX. 86\"
12	2	HINGE SIDE PANIC REINFORCING	.067\" MIN. STL	4.13\" X 20\"
13	2	CORE MATERIAL	SEE SHT 8	47.66\" X 81.5\" MAX
		A) POLYSTYRENE B) POLYURETHANE C) HONEYCOMB D) STEEL STIFFENED		
17	2	FAS-SEAL DOORSWEEP	TPE	.065\" X .75\" X 1.25\"
18	1	NATIONAL GUARD 950A SILL WITH BUMPER GASKET	6063 T5 ALUM	.078 THK MAX. 96\"
20	10	THRESHOLD FASTNERS TAPCONS	STEEL	1/4\" X 1 3/4\"
21	6	HINGE REINFORCING DOOR ASTM A621	.171\" MIN. STL	1.28 X 9.19
22	6	HINGE REINFORCING FRAME ASTM A621	.171\" MIN. STL	1.50 X 9.19
23	6	HAGER 1279 HINGES	X .134 STL.	4.5 X 4.5
24	5	PS074 WEATHER STRIPPING	TPE	MAX. 120\"
26	2	MULLION MOUNTING BASE SEE SHT. 11	STEEL	3.00\" X 3.50\" X 2.75\"
27	1	VON DUPRIN HH54 MULLION	.25\" WALL	2\" X 3\" X 82\"
28	2	DOOR SLAB	SEE SHT 8	4070 MAX
30	1	FILLER BLOCK BY OTHERS	SEE SHT 3	
32	4	END CHANNEL ASTM A924	.067\" MIN. GALV.	.69\" X 1.66 X 47.66 MAX
33	AS NEEDED	ACE 50 YEAR SILICONE SEALANT		
34	AS NEEDED	SCHNEE MOREHEAD ACRYLY-R		



PRODUCT RENEWED
 ACCEPTANCE No. 01-1203-11
 EXPIRATION DATE January 14, 2007
 By *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

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

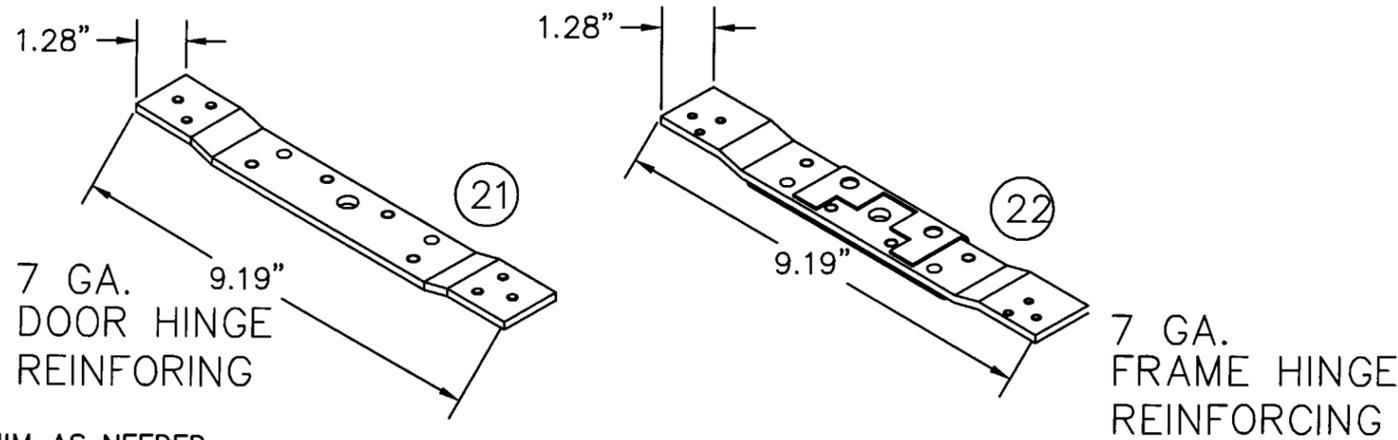
INGERSOLL-RAND COMPANY
 STEELCRAFT MFG.
 9017 BlueAsh Rd. Cincinnati Ohio 45242

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

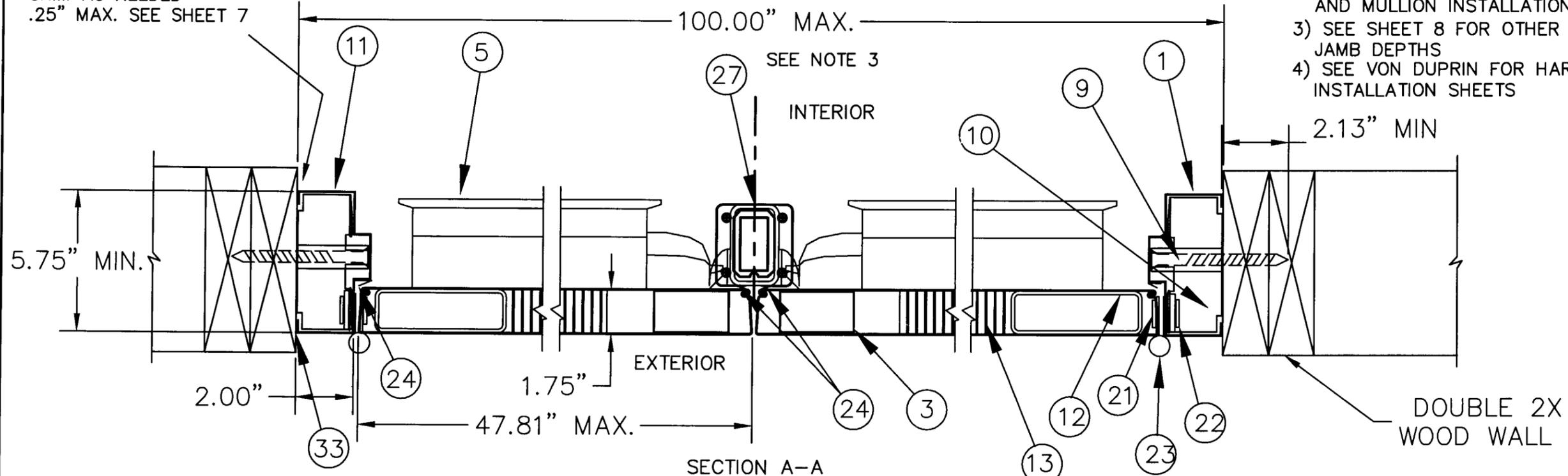
SIZE FLAT DWG NO. 270W SHEET 1 OF 11 REV G
 SCALE: 25.4 AUTOCAD

REVISIONS

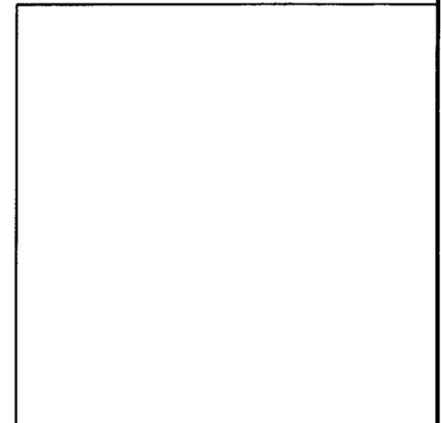
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG.	3.24.98	
B	GENERAL REVISION	7/15/98	
C	16 ANCHORS WAS 17 ANCHORS	8/31/98	
D	GENERAL REVISION	12/01/98	



SHIM AS NEEDED
.25" MAX. SEE SHEET 7

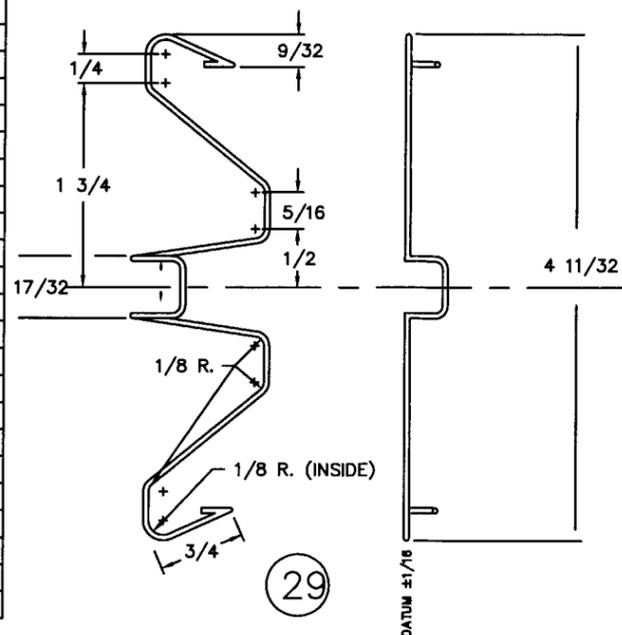


- 1) SEE SHEET 1 FOR ELEVATION, MATERIAL AND SIZE
- 2) SEE SHEET 10 FOR OPTIONAL HARDWARE, TRIM AND MULLION INSTALLATION.
- 3) SEE SHEET 8 FOR OTHER JAMB DEPTHS
- 4) SEE VON DUPRIN FOR HARDWARE INSTALLATION SHEETS



PRODUCT RENEWED
ACCEPTANCE No. 01-1203.11
EXPIRATION DATE January 14, 2007
By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

ITEM	QUANTITY	DESCRIPTION
1	1	LEFT HAND JAMB HINGE SIDE
3	2	VERTICAL ROD REINFORCING
5	2	VON DUPRIN 98/99 RIM PANIC WITH 499F STRIKE
9	© 10	EMA SCREW 5/JAMB
10	© 10	EMA ANCHOR 5/JAMB
11	1	RIGHT HAND JAMB HINGE SIDE
12	2	HINGE SIDE REINFORCING
13	2	CORE MATERIAL A) POLYSTYRENE B) POLYURETHANE C) HONEYCOMB D) STEEL STIFFENED
21	6	HINGE REINFORCING DOOR
22	6	HINGE REINFORCING FRAME
23	6	HAGER 1279 HINGES
24	5	PS074 WEATHER STRIPPING
27	1	VON DUPRIN HH54 HARDWARE MULLION
29	6	.045 WIRE HINGE SPACER
33	AS NEEDED	ACE 50 YEAR SILICONE SEALANT



SECTION AT WOOD WALL
OTHER APPROVED WALL
SECTIONS SHOWN ON
SHEET 5

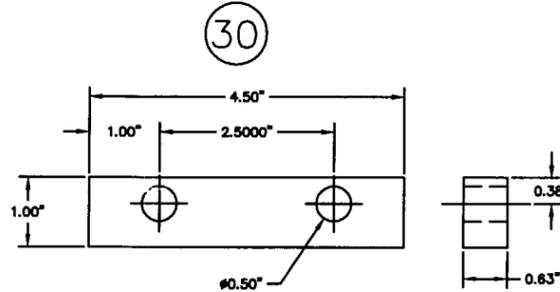
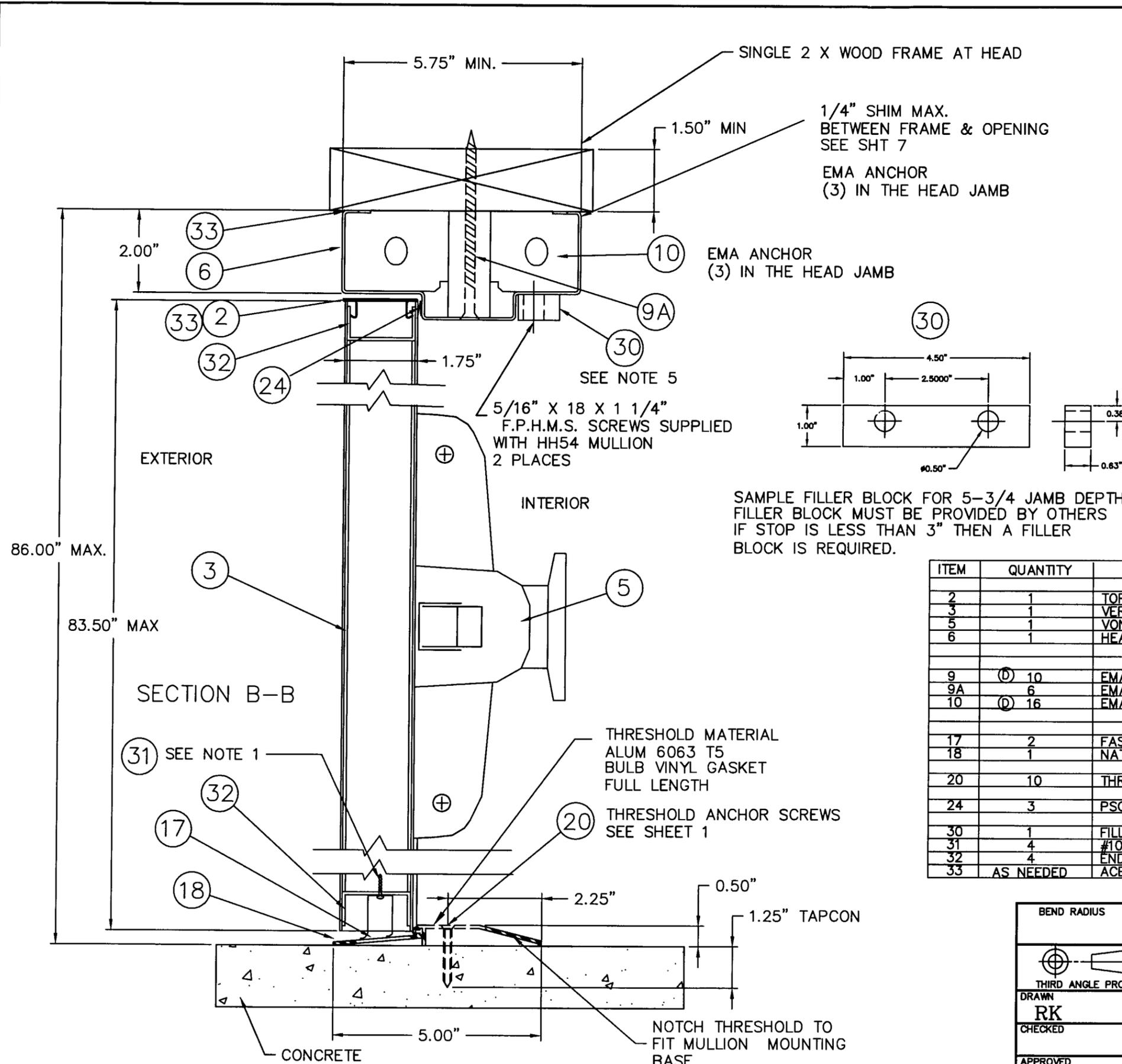
.045 WIRE
HINGE SPACER

BEND RADIUS				INGERSOLL-RAND COMPANY STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION					
DRAWN	DATE	TITLE		DADE COUNTY	
RK	3.24.98	CROSS SECTION OF DOOR AND FRAME			
CHECKED		SIZE	FLAT	DWG NO.	REV
APPROVED				270W	SHEET 2 OF 11 D
ENG. APPVL		SCALE:	2.5	AUTOCAD	

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	3.24.98	
B	GENERAL REVISION	7/15/98	
C	GENERAL REVISION	7/24/98	
D	16 ANCHORS WERE 17 ANCHORS	8/31/98	
E	GENERAL REVISION	12/10/98	

- FOR 3' 0" DOORS AND UNDER 3 SCREWS 3.88" FROM ENDS AND MAX. SPACING OF 13.56" BETWEEN SCREWS. FOR 3' 0" TO 4' 0" DOORS 4 SCREWS 3.88" FROM ENDS AND A MAX. SPACING OF 17.88"
- SEE SHEET 10 FOR OPTIONAL HARDWARE & TRIM
- SEE SHEET 1 FOR PAIRS ELEVATION
- SEE SHEET 8 FOR AVAILABLE STANDARD OPENING SIZE & SPECIFICATION.
- VON DUPRIN HARDWARE MULLION HH54 NOT SHOWN. SEE VON DUPRIN INSTALLATION SHEETS FOR INSTALLATION OF MULLION.

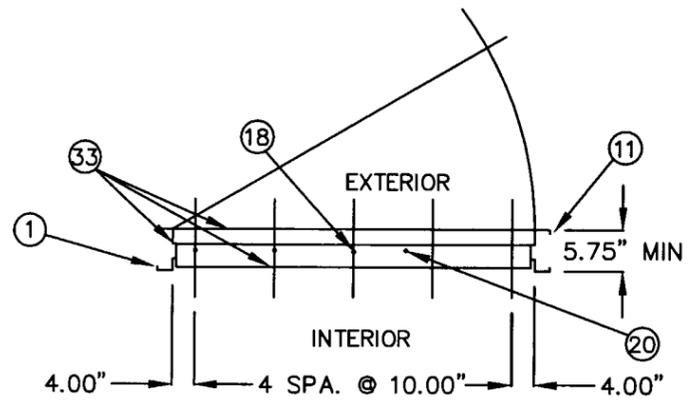
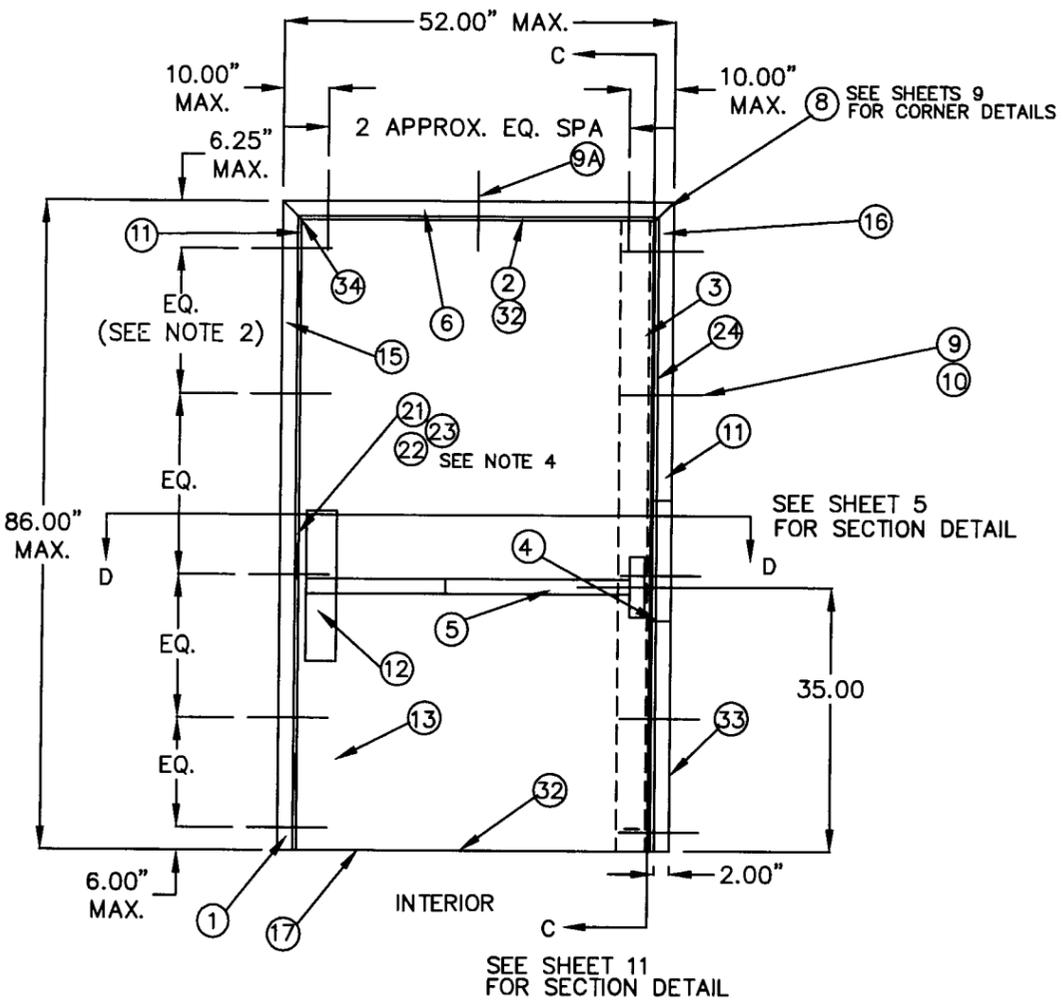


SAMPLE FILLER BLOCK FOR 5-3/4 JAMB DEPTH
FILLER BLOCK MUST BE PROVIDED BY OTHERS
IF STOP IS LESS THAN 3" THEN A FILLER
BLOCK IS REQUIRED.

ITEM	QUANTITY	DESCRIPTION
2	1	TOP CAP
3	1	VERTICAL ROD REINFORCING
5	1	VON DUPRIN 98/99 RIM WITH 499F STRIKE
6	1	HEAD
9	(D) 10	EMA SCREW 3/8" X 5" 5/JAMB
9A	6	EMA SCREW 3/8" X 4 1/2" 6/HEAD
10	(D) 16	EMA ANCHOR 6/HEAD. 5/JAMB
17	2	FAS-SEAL DOOR SWEEP
18	1	NATIONAL GUARD 950A SILL WITH BUMPER GASKET
20	10	THRESHOLD FASTENER TAPCON
24	3	PS074 WEATHERSTRIPPING
30	1	FILLER BLOCK .63" X 1" X 4.50" STEEL OR ALUM
31	4	#10 x .75" PHSM STEEL SCREWS
32	4	END CHANNELS
33	AS NEEDED	ACE 50 YEAR SILICONE SEALANT

PRODUCT RENEWED
ACCEPTANCE No. 01-1203.11
EXPIRATION DATE January 14, 2007
By *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS		INGERSOLL-RAND COMPANY STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION			
DRAWN RK	DATE 3.24.98	TITLE DADE COUNTY PROFILE OF STEELCRAFT DOOR WITH NATIONAL GUARD 950 THRESHOLD	
CHECKED		SIZE FLAT	DWG NO. 270W
APPROVED		SHEET 3 OF 11	
ENG. APPVL		SCALE: 2.7	AUTOCAD



DESIGN PRESSURE RATING		
	TESTED FOR WATER PENETRATION	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	NOT APPROVED	+ 65 PSF
NEGATIVE	NOT APPROVED	- 65 PSF

- 1 ROW OF PS074 WEATHERSTRIPPING ON HEAD AND JAMBS
- MIN. (5) ANCHORS PER JAMB AND (7) ANCHORS IN DBL HEAD REQUIRED, APPROX. EQUALLY SPACED IN LENGTH (NOT TO EXCEED 24" O.C.)
- SEE SHEET 8 FOR AVAILABLE STANDARD OPENING SIZES
- 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"
- HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS.

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	7.15.98	
B	GENERAL REVISION	7/15/98	
C	GENERAL REVISION	7/24/98	
D	GENERAL REVISION	8/31/98	
E	GENERAL REVISION	12/08/98	
F	REV'D NOTES, DIM'S	YMF 11/26/01	

ITEM	QUANTITY	DESCRIPTION	MATERIAL	SIZE
1	1	LEFT HAND HINGE JAMB SEE SHT 8 ASTM A366	.053" MIN. STL	MAX. 86"
2	1	TOP CAP ASTM A924	.022" MIN. GALV.	.50" X 1.799" X 47.66" MAX.
3	1	VERTICAL ROD REINFORCING ASTM A366	.067" MIN. STL	4" X 81.5" MAX
4	1	REINFORCING SLEEVE ASTM A924	.099" MIN. GALV.	5.62" MIN. X 16"
5	1	VON DUPRIN 98/99 RIM W/499F STRIKE	SEE SHT 10	
6	1	HEAD SEE SHT 8 ASTM A366	.053" MIN. STL	MAX. 100"
7				
8	2	CORNER PREP	SEE SHT 9	
9	10	EMA SCREW 3/8 X 5" 5/JAMB	STEEL	3/8" X 5"
9A	3	EMA SCREW 3/8 X 4 1/2" 3/HEAD	STEEL	3/8" X 4 1/2"
10	13	EMA ANCHOR ASTM A924 3/HEAD, 5/JAMB	.042" MIN. GALV.	2.56" X 6.94" MIN.
11	1	RIGHT HAND JAMB SEE SHT 8 ASTM A366	.053" MIN. STL	MAX. 86"
12	1	HINGE SIDE PANIC REINFORCING ASTM A366	.067" STL	4.13" X 20"
13	1	CORE MATERIAL	SEE SHT 8	47.66" X 81.5" MAX
		A) POLYSTYRENE B) POLYURETHANE		
		C) HONEYCOMB D) STEEL STIFFENED		
16				
17	1	FAS-SEAL DOORSWEEP	TPE	.065" X .75" X 1.25"
18	1	NATIONAL GUARD 950A SILL WITH BUMPER GASKET	6063 T5 ALUM	.078 THK MAX. 96"
19				
20	4	THRESHOLD FASTENERS TAPCONS	STEEL	1/4 X 1 3/4"
21	3	HINGE REINFORCING DOOR ASTM A621	.171" MIN. STL	1.28 X 9.19
22	3	HINGE REINFORCING FRAME ASTM A621	.171" MIN. STL	1.50 X 9.19
23	3	HAGER 1279 HINGES	X .134 STL	4.5 X 4.5
24	3	PS074 WEATHER STRIPPING	IPE	MAX. 120"
25	1	DOOR SLAB	SEE SHT 8	4070 MAX.
32	2	END CHANNELS ASTM A924	.067" MIN. GALV.	.69" X 1.66" X 47.66" MAX.
33	AS NEEDED	ACE 50 YEAR SILICONE SEALANT		
34	AS NEEDED	SCHNEE MOREHEAD 5504 ACRYLY-R		

PRODUCT RENEWED

ACCEPTANCE No. 06-1203.11

EXPIRATION DATE January 14, 2007

By [Signature]

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN RK DATE 8/02/98

CHECKED

APPROVED

ENG. APPVL

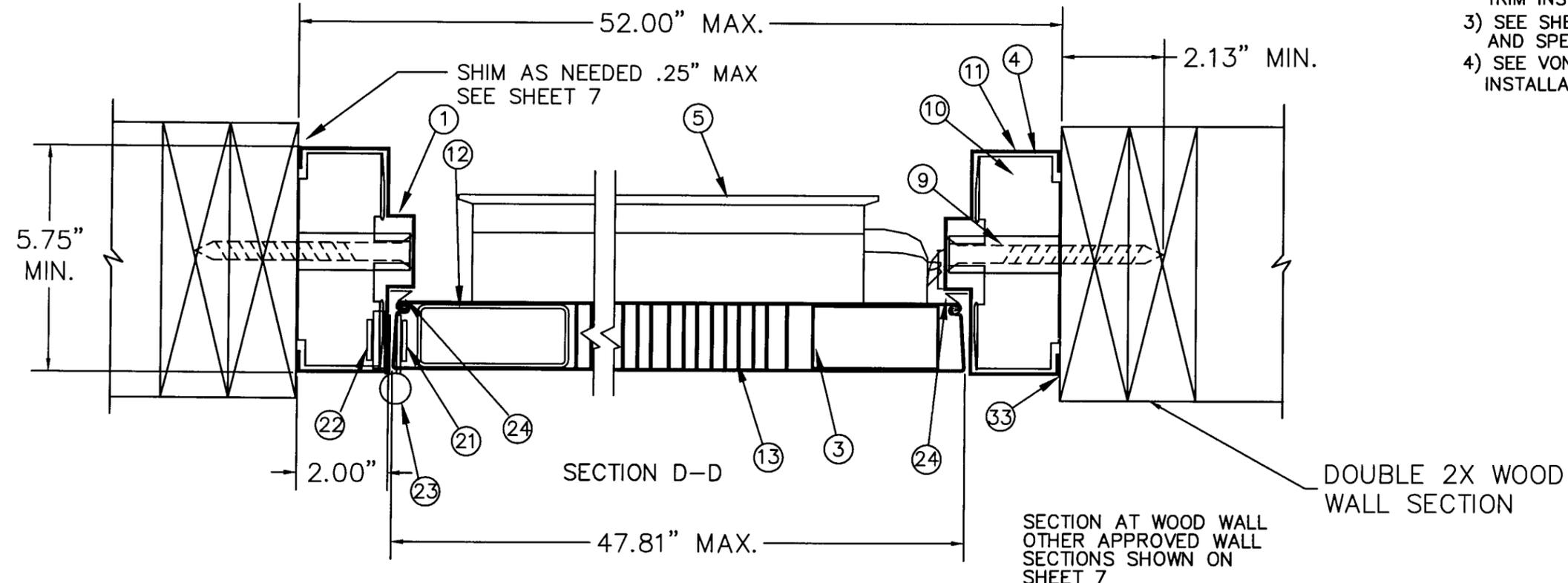
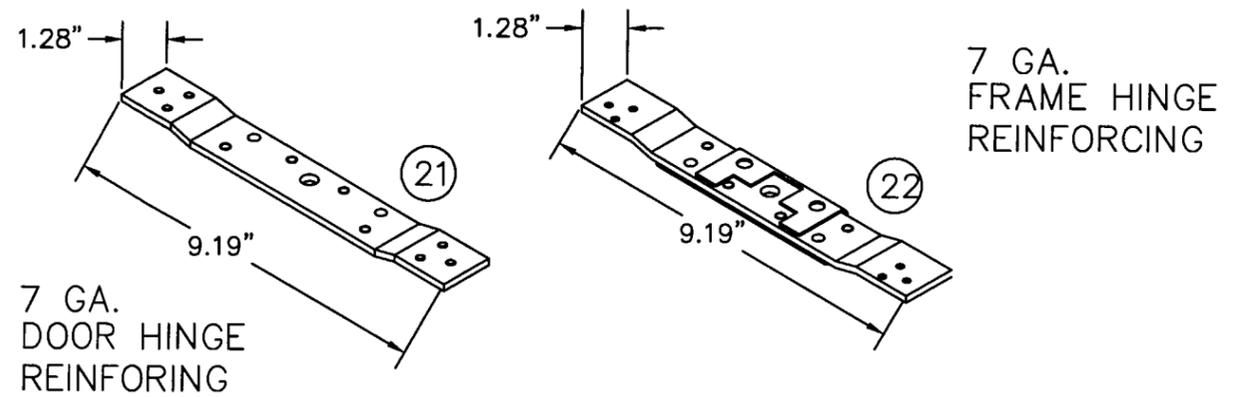
INGERSOLL-RAND COMPANY
STEELCRAFT MFG.
9017 BlueAsh Rd. Cincinnati Ohio 45242

TITLE DADE COUNTY
DADE COUNTY L16 - 4 4070
VON DUPRIN EXIT HARDWARE

SIZE FLAT DWG NO. 270W SHEET 4 OF 11 REV F

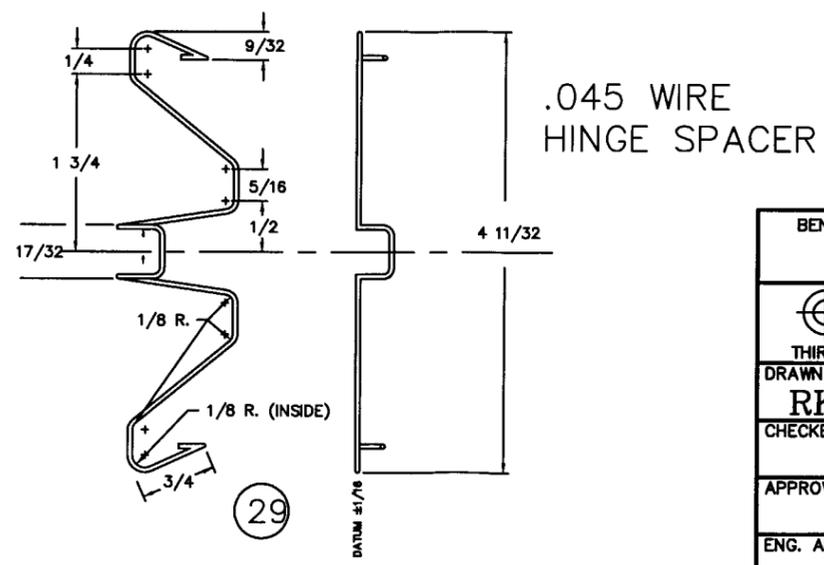
SCALE: 25 AUTOCAD

LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	8.18.97	
B	GENERAL REVISION	7/16/98	
C	GENERAL REVISION	7/24/98	
D	GENERAL REVISION	12/09/98	



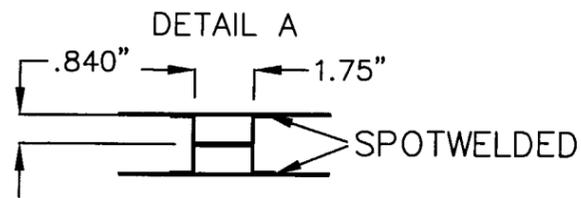
- 1) SEE SHEET 4 FOR ELEVATION, MATERIAL AND SIZE
- 2) SEE SHEET 10 FOR OPTIONAL HARDWARE, TRIM INSTALLATION.
- 3) SEE SHEET 8 FOR OTHER JAMB DEPTHS AND SPECIFICATIONS
- 4) SEE VON DUPRIN FOR HARDWARE INSTALLATION SHEETS

ITEM	QUANTITY	DESCRIPTION
1	1	LEFT HAND JAMB HINGE SIDE
3	1	VERTICAL ROD REINFORCING
4	1	REINFORCING SLEEVE
5	1	VON DUPRIN 98/99 RIM PANIC WITH 499F STRIKE
9	10	EMA SCREW 5/JAMB
10	10	EMA ANCHOR 5/JAMB
11	1	RIGHT HAND JAMB WITH REINFORCEMENT
12	1	HINGE SIDE REINFORCING
13	1	CORE MATERIAL
		A) POLYSTYRENE B) POLYURETHANE
		C) HONEYCOMB D) STEEL STIFFENED
21	3	HINGE REINFORCING DOOR
22	3	HINGE REINFORCING FRAME
23	3	HAGER 1279 HINGES
24	3	PS074 WEATHER STRIPPING
29	3	.045 WIRE HINGE SPACER
33	AS NEEDED	ACE 50 YEAR SILICONE SEALEANT



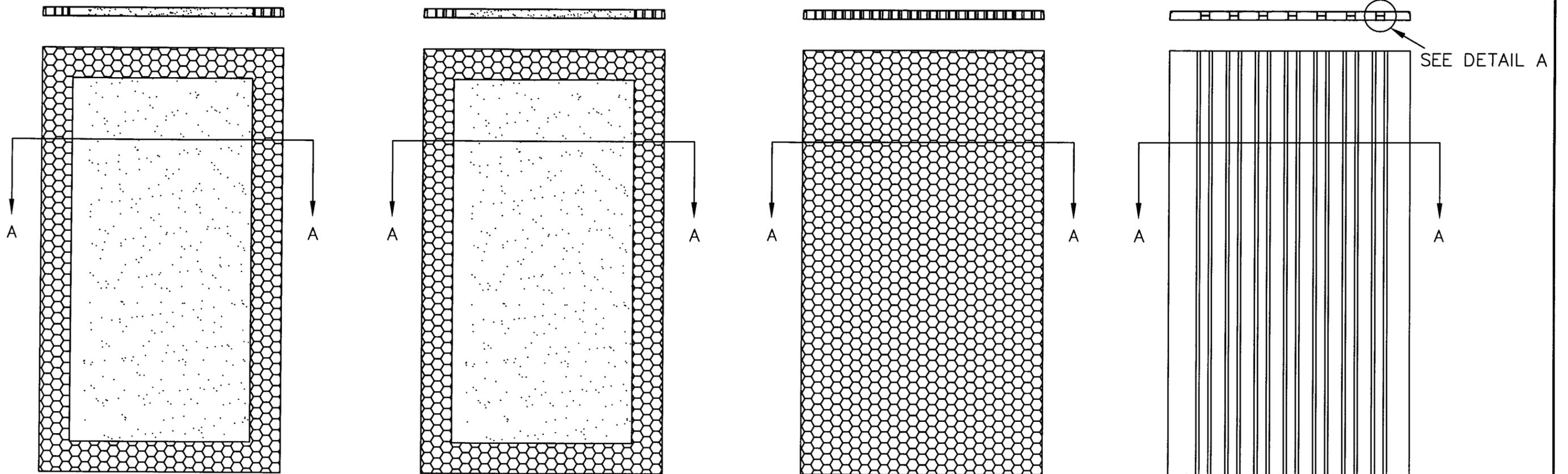
PRODUCT RENEWED
ACCEPTANCE No. 01-1203-11
EXPIRATION DATE January 14, 2007
By: *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS				IR INGERSOLL-RAND COMPANY STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION					
DRAWN RK	DATE 8.18.97	CROSS SECTION OF DOOR AND FRAME VON DUPRIN EXIT HARDWARE			
CHECKED		SIZE	FLAT	DWG NO. 270w	REV D
APPROVED		SCALE: 2		AUTOCAD	SHEET 5 OF 11
ENG. APPVL.					



REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	7.07.98	
B	GENERAL REVISION	7/16/98	

SECTION A-A



(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

(F)

DOOR WIDTH	STIFFENERS
2'-2", 2'-0"	3
2'-4", 2'-6"	4
2'-10", 3'-0"	5
3'-2", 3'-4"	6
3'-8", 3'-10", 4'-0"	7

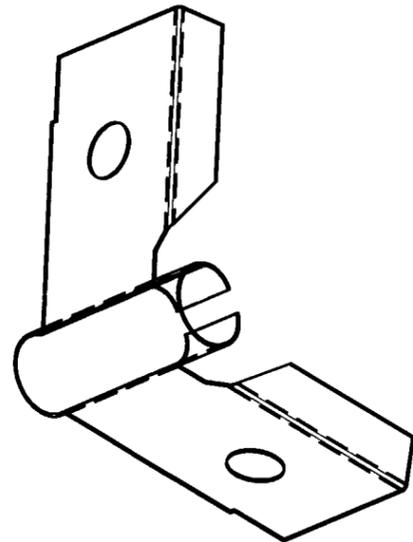
NOTE:
CORE MATERIAL SHOWN
WITHOUT HARDWARE REINFORCEMENTS

PRODUCT RENEWED
ACCEPTANCE No. 01-1203-11
EXPIRATION DATE January 14, 2007
By [Signature]
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

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

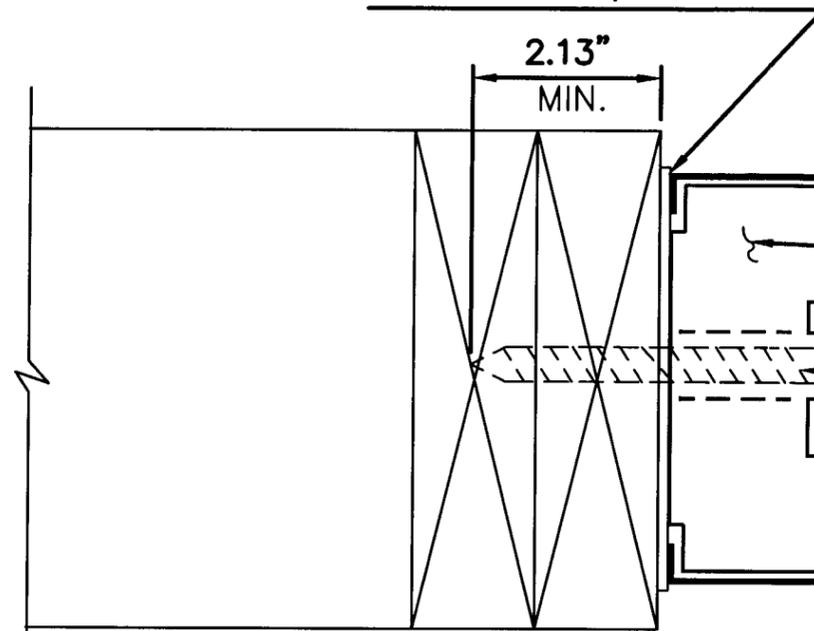
INGERSOLL-RAND COMPANY
STEELCRAFT MFG.
9017 BlueAsh Rd. Cincinnati Ohio 45242
TITLE DADE COUNTY
DADE COUNTY TEST UNIT
CORE MATERIALS
OPTIONS
SIZE FLAT DWG NO. 270W SHEET 6 OF 11 REV
SCALE: 21 AUTOCAD

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



(EMA) EXISTING MASONRY ANCHOR

SHIM SPACE 1/4" MAX.

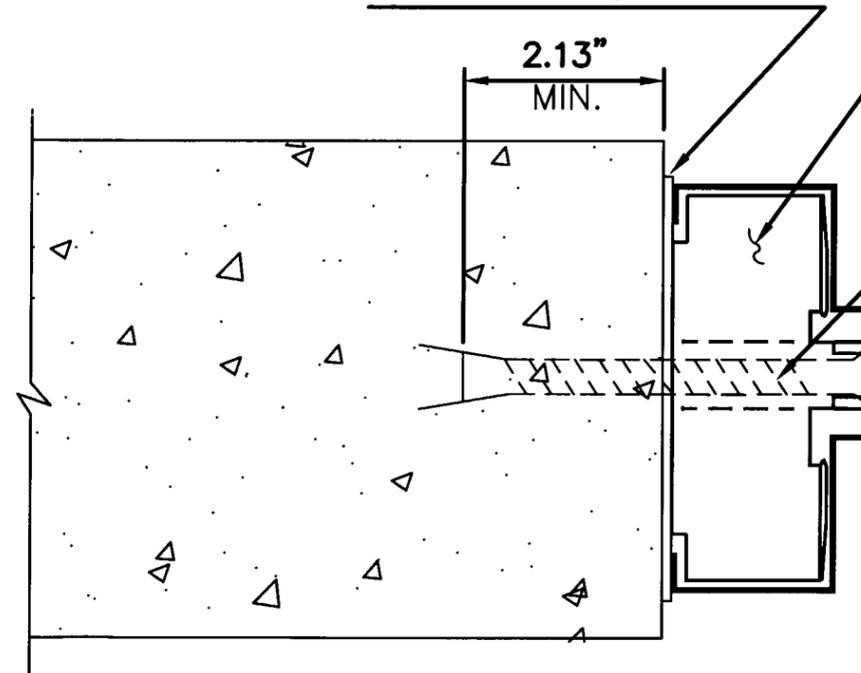


WOOD STUD ANCHOR
JAMB VIEW SHOWN
SEE SHT. 3 & 6 FOR
HEAD VIEW

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	APPROVAL DWG.	8.06.98	
B	ADDED GROUT	12/15/98	
C	270W was NCTL 201	1/7/99	

SHIM SPACE 1/4" MAX.

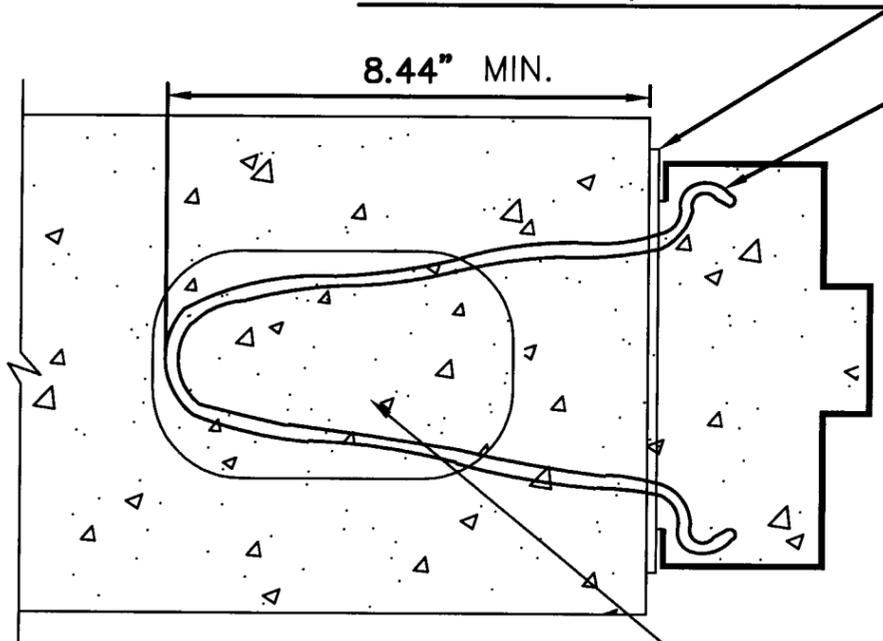


EXISTING MASONRY WALL ANCHOR

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

(B)

PRODUCT RENEWED

ACCEPTANCE No. 0-1203-11

EXPIRATION DATE January 14, 2007

By [Signature]

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN JU DATE 8.06.97

CHECKED

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. 270W SHEET 7 OF 11 REV C

SCALE: 1 AUTOCAD

OPENING SIZE SINGLES AS STANDARD SIZES
SLAB OPTIONS

L, B & SL DOORS

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

CE DOORS

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

6 PANEL ONLY

F FRAMES

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

OPENING SIZE PAIRS AS STANDARD SIZES
SLAB OPTIONS

WIDTH	HEIGHT	GA.	MAT'L
4'-0"	6'-8"	16	CRS
4'-8"			GALV.
5'-0"			(STA. STL.)
5'-4"			SEE TABLE 1
5'-8"	7'-0"	SEE TABLE 1	SEE TABLE 2
6'-0"			SEE TABLE 2
6'-8"			SEE TABLE 2
7'-0"			SEE TABLE 2
7'-4"			
7'-8"			
8'-0"			

WIDTH	HEIGHT	GA.	MAT'L
5'-4"	6'-8"	16	GALV.
5'-8"	6'-10"		
6'-0"	7'-0"		
		SEE TABLE 1	SEE TABLE 2

MU FRAMES

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

FLUSH DOORS
MODELS
L
B
SL



EMBOSSED DOOR MODEL
CE
6 PANEL ONLY

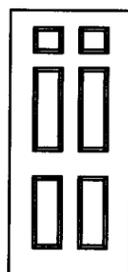


TABLE 2

CRS: 1008 ASTM A366
GALV: ASTM A942
STL: 304,306 ASTM A240

TABLE 1

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

MIN. YIELD STRESS 26,154 PSI

BEND RADIUS					
THIRD ANGLE PROJECTION					
DRAWN RK	DATE 9.22.97	TITLE DADE COUNTY OPENING SIZE & DOOR SPECS. OPTIONAL SLABS			
CHECKED		SIZE	FLAT	DWG NO. 270W	SHEET 8 OF 11
APPROVED		SCALE: 1.25	AUTOCAD		REV C
ENG. APPVL					

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	7.08.98	
B	GENERAL REVISION	7/16/98	
C	GENERAL REVISION	7/24/98	

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

OTHER SIZE FRAMES & JAMB DEPTHS AVAILABLE AS SPECIALS.

PRODUCT RENEWED

ACCEPTANCE No. 01-1023-VI

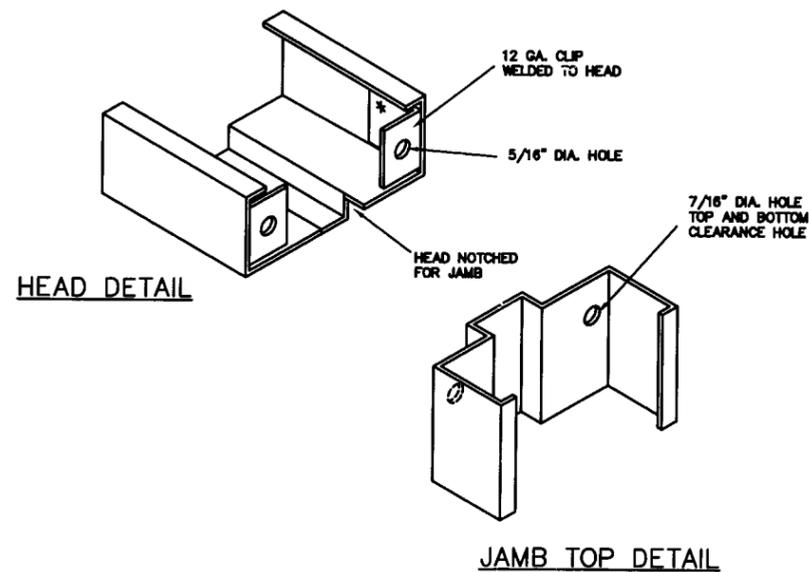
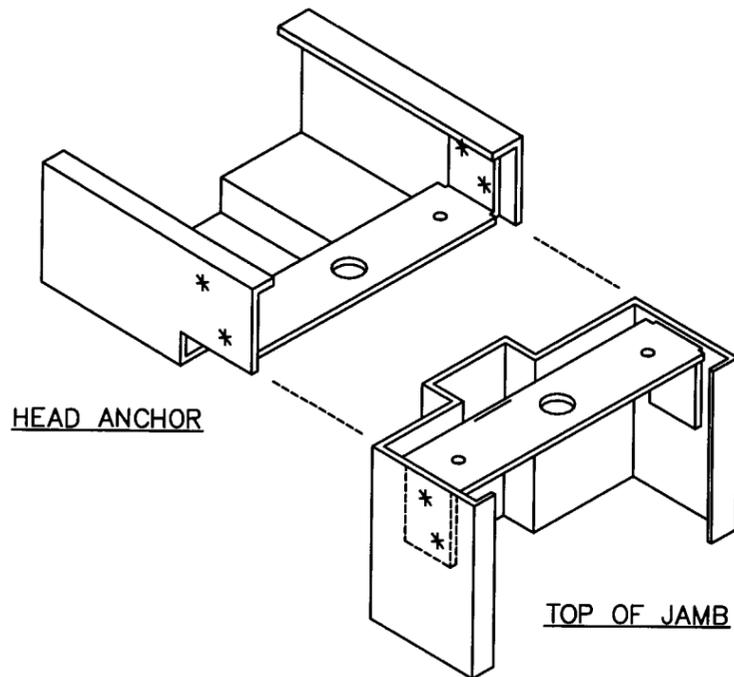
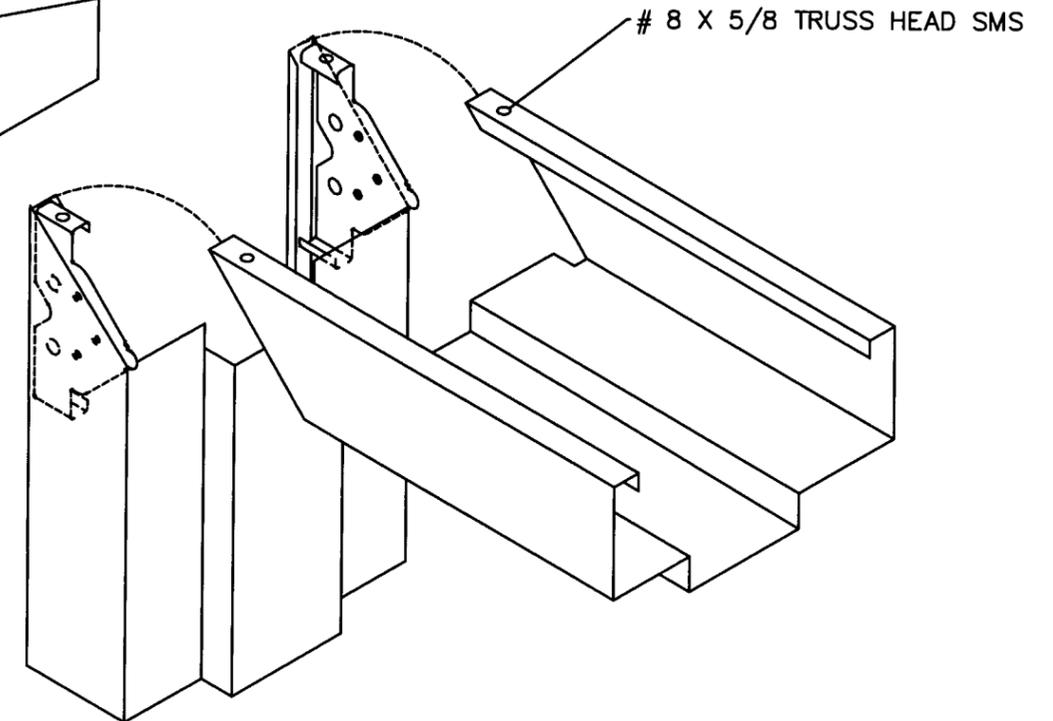
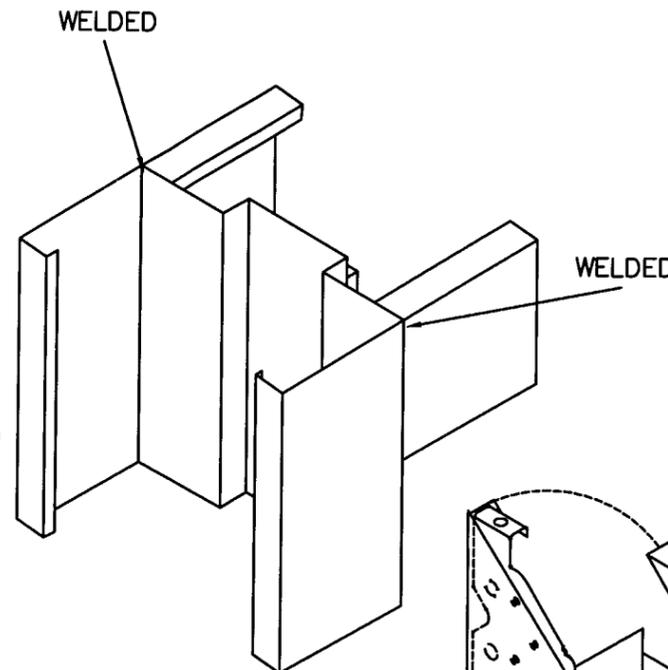
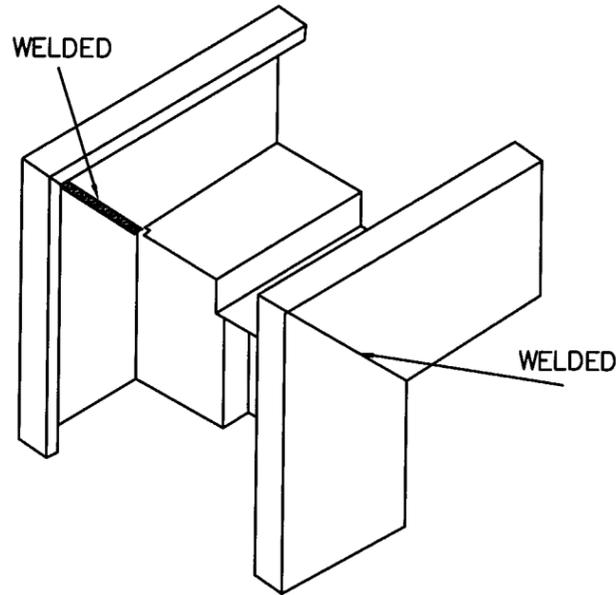
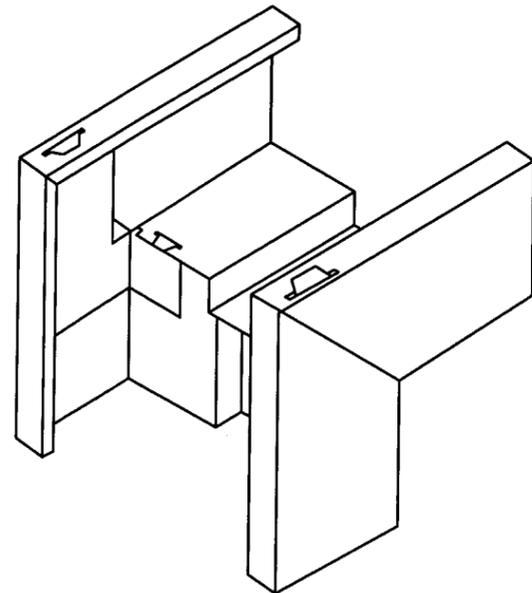
EXPIRATION DATE January 14, 2007

By

PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	RELEASE TO SHOP	10.15.97	
B	APPROVAL REVISIONS	6.2.98	



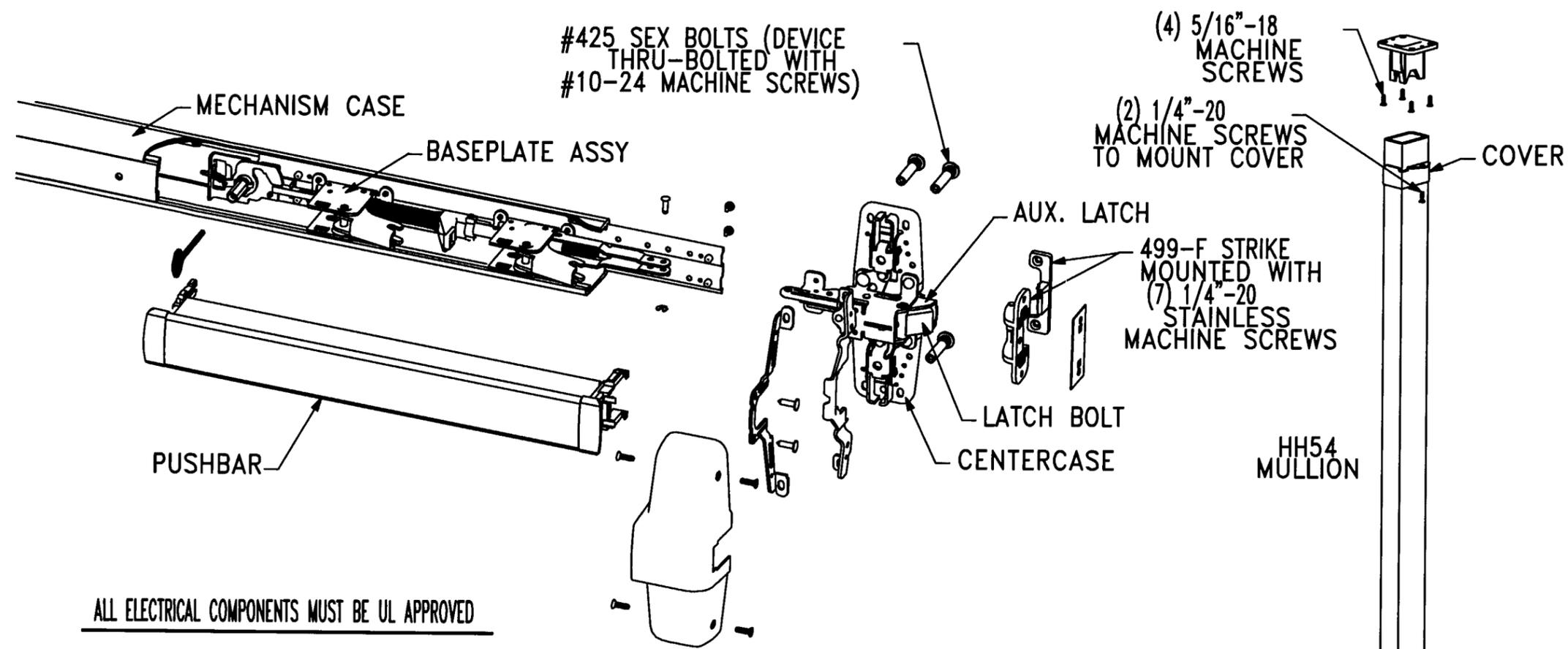
PRODUCT RENEWED

ACCEPTANCE No. 01-1203-11

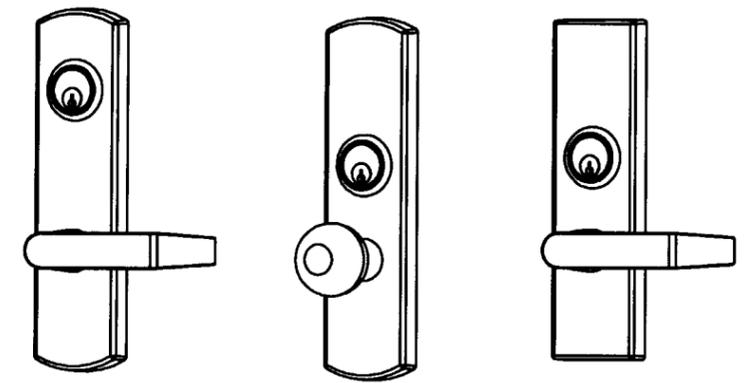
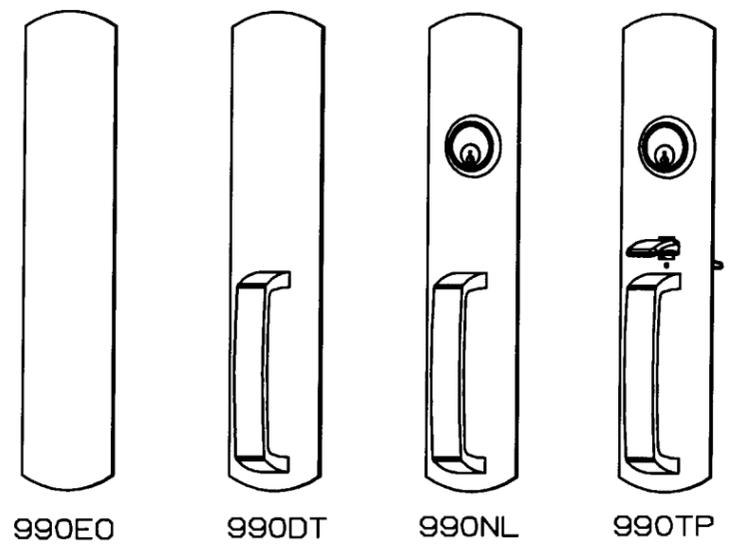
EXPIRATION DATE January 14, 2007

By [Signature]
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS						INGERSOLL-RAND COMPANY STEELCRAFT MFG. 9017 BlueAsh Rd. Cincinnati Ohio 45242	
THIRD ANGLE PROJECTION						TITLE DADE COUNTY CORNER DETAILS FOR FLUSH FRAME AND MU FRAMES	
DRAWN	DATE	SIZE	FLAT	DWG NO.	SHEET	9 OF 11	REV
JU	10.15.97			270W			B
CHECKED		SCALE: 1		AUTOCAD			
APPROVED							
ENG. APPVL.							



OUTSIDE TRIM FUNCTIONS
SEX BOLTS OR 990EO PLATE MAY BE USED FOR "EXIT ONLY" APPLICATIONS



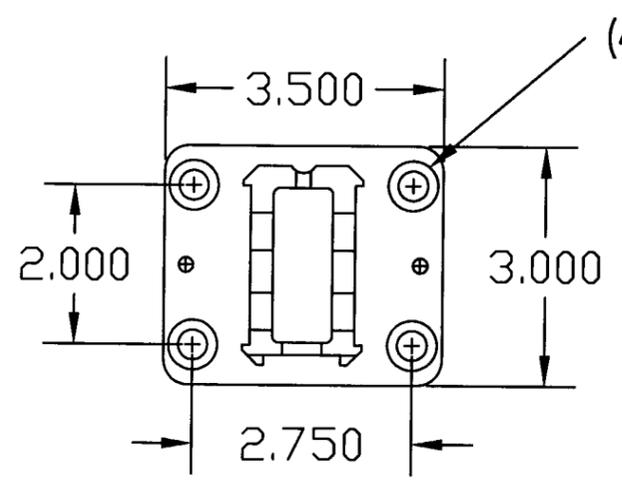
ALL TRIM HAS #10-24 STUDS FOR THRU-BOLTING

HARDWARE OPTIONS

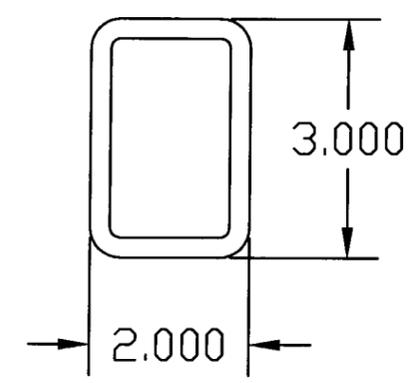


ALL ELECTRICAL COMPONENTS MUST BE UL APPROVED

- NOTES:
1. ALL FINISHES, 3' & 4' MODELS OFFERED
 2. PN MODEL OFFERED
 3. ALL MODELS OFFERED IN BOTH 98 & 99 SERIES
 4. E, RX, EL, SS OPTIONS AVAILABLE SEE VON DUPRIN FOR OPTIONS



MULLION FITTING
8620 STEEL



MULLION BODY
.25" THK. WALL A 500 GRADE STEEL

PRODUCT RENEWED
ACCEPTANCE No. 01-1023-11
EXPIRATION DATE January 11, 2007
By *[Signature]*
PRODUCT CONTROL DIVISION
BUILDING CODE COMPLIANCE OFFICE

VON DUPRIN, INC.
2720 TOBEY DRIVE
INDIANAPOLIS, INDIANA 46219

TITLE
99 RIM DEVICE W/HH54 MULLION
SFBC CERTIFICATION

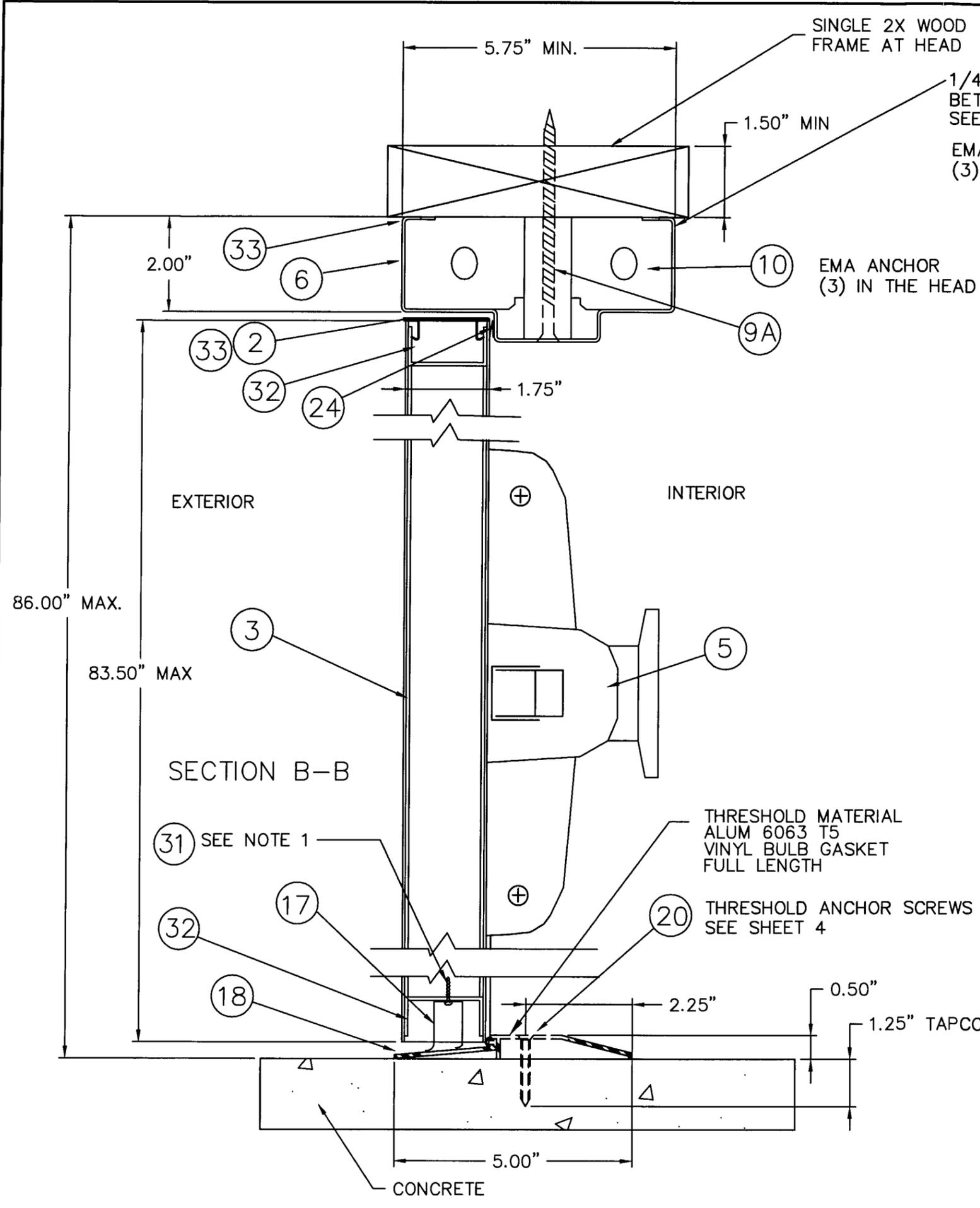
DO NOT SCALE

DWG NO. 270W
SHEET 10 OF 11

REV B

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	3.24.98	
B	GENERAL REVISION	7/16/98	
C	GENERAL REVISION	7/24/98	
D	GENERAL REVISION	12/10/98	



SINGLE 2X WOOD FRAME AT HEAD
 1/4" SHIM MAX. BETWEEN FRAME & OPENING SEE SHT 7
 EMA ANCHOR (3) IN THE HEAD JAMB

EMA ANCHOR (3) IN THE HEAD JAMB

- FOR 3' 0" DOORS AND UNDER 3 SCREWS 3.88" FROM ENDS AND MAX. SPACING OF 13.56" BETWEEN SCREWS. FOR 3' 0" TO 4' 0" DOORS 4 SCREWS 3.88" FROM ENDS AND A MAX. SPACING OF 17.88"
- SEE SHEET 10 FOR OPTIONAL HARDWARE AND TRIM
- SEE SHEET 1 FOR PAIRS ELEVATION
- SEE SHEET 4 FOR SINGLE ELEVATION
- SEE SHEET 8 FOR AVAILABLE STANDARD OPENING SIZE & SPECIFICATION.
- SEE VON DUPRIN INSTALLATION SHEETS FOR HARDWARE INSTALLATION

ITEM	QUANTITY	DESCRIPTION
2	1	TOP CAP
3	1	VERTICAL ROD REINFORCING
5	1	VON DUPRIN 98/99 RIM WITH 499F STRIKE
6	1	HEAD
9	10	EMA SCREW 3/8" X 5" 5/JAMB
9A	3	EMA SCREW 3/8" X 4 1/2" 3/HEAD
10	13	EMA ANCHOR 3/HEAD. 5/JAMB
17	1	FAS-SEAL DOOR SWEEP
18	2	NATIONAL GUARD 950A SILL WITH BUMPER GASKET
20	4	THRESHOLD FASTENER TAPCON
24	3	PS074 WEATHERSTRIPPING
30		
31	4	#10 X .75" PHSM STEEL SCREW
32	2	END CHANNELS
33	AS NEEDED	ACE 50 YEAR SILICONE SEALANT

PRODUCT RENEWED

ACCEPTANCE No. 01-1023.11
 EXPIRATION DATE JANUARY 14, 2007
 By *[Signature]*
 PRODUCT CONTROL DIVISION
 BUILDING CODE COMPLIANCE OFFICE

BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN RK	DATE 3.24.98
CHECKED	
APPROVED	
ENG. APPVL	

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

TITLE: DADE COUNTY
 PROFILE OF STEELCRAFT SINGLE DOOR WITH
 NATIONAL GUARD 950 THRESHOLD

SIZE	FLAT	DWG NO.	270W	SHEET	11 OF 11	REV	D
SCALE: 2.5		AUTOCAD					