

**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 and accepted by Miami-Dade County PERA -Product Control Section 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 Section (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. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section 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/Falcon 25 Series 25-R, 25-V, 25-C & 25-M" Panic Exit Hardware-Component Approval**

**APPROVAL DOCUMENT:** Drawing No. "3580-2" Rev C, titled "Falcon 25 series", sheets 1 through 8 of 8, dated 05/17/12, prepared by manufacturer, signed and sealed by Gordon Thomas, P. E. , 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 Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact****Limitations:**

1. The Component Hardware to be used as a substitution in a 16 ga single or double doors assembly.
2. Door assembly under separate approval and must meet specifications per sheet 1. Lower Design Pressure of this component approval or the door assembly shall control.
3. Double Door application of Falcon series 25-R (Rim exit) requires use of Von-Duprin 9954 mullion.
4. Falcon series 25-M (Mortise Panic) is limited to Single door system only.
5. Electrical / Electronic functions are not part of the approval, such installation to be reviewed by AHJ.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, Indianapolis, Indiana, and series and following statement: "Miami-Dade County Product Control Approved", 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 pages E-1 as well as approval document mentioned above.

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

6/19/12

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's parts and sections drawings
2. **DOCUMENT:** Drawing No. "3580-2" Rev C, titled "Falcon 25 series", sheets 1 through 8 of 8, dated 05/17/12, prepared by manufacturer, signed and sealed by Gordon Thomas, P.E.

**B. TESTS**

1. Test report on 1) Air Infiltration Test, per TAS 202-94  
2) Water Resistance Test per FBC TAS 202-94  
3) Uniform Static Air Pressure Test, Loading per TAS 202-94  
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 FBC, TAS 202-94

Along with marked-up drawings and installation diagram of Falcon 25 series Panic exit Devices, 25-C (Concealed Vertical Rods), 25-V (Surface mount Vertical Rod) and 25-M (Mortise), prepared by National Certified Testing Laboratory, Test Report No. **NCTLA-210-3654-1**, dated 12/01/09, signed and sealed by Gerald J. Ferrara, P.E.

- 2 Test report on 1) Air Infiltration Test, per TAS 202-94(Not conducted)  
2) Water Resistance Test per FBC TAS 202-94(Not conducted)  
3) Uniform Static Air Pressure Test, Loading per TAS 202-94  
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 FBC, TAS 202-94

Along with marked-up drawings and installation diagram of series Falcon 25-R (Rim Panic exit device), prepared by National Certified Testing Laboratory, Test Report No. **NCTLA-210-3580-2**, dated 03/25/09, signed and sealed by Gerald J. Ferrara, P.E.

**C. CALCULATIONS:**

1. Anchor verification and mullion structural analysis dated 10/15/11 and revised on 05/06/12, prepared, signed and sealed by Gordon Thomas, P.E.

**D. QUALITY ASSURANCE BY**

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**

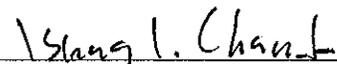
1. None

**F. STATEMENTS**

1. Letter of conformance to FBC 2007, FBC 2010 and "No financial interest" dated 10/16/11, prepared, signed and sealed by Gordon Thomas, P.E.
2. Lab statement of compliance, part of the above referenced test report.

**G. OTHER**

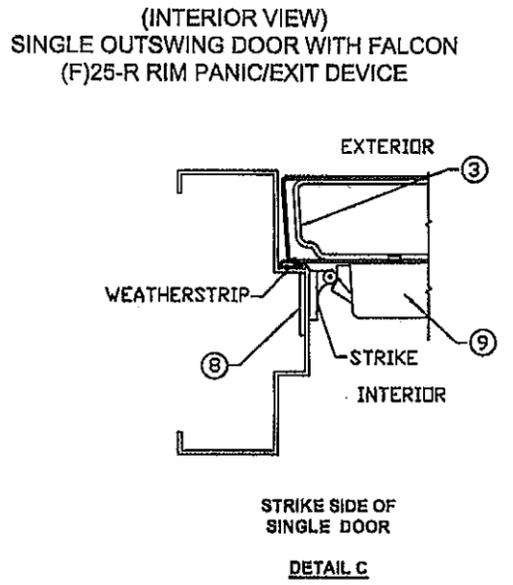
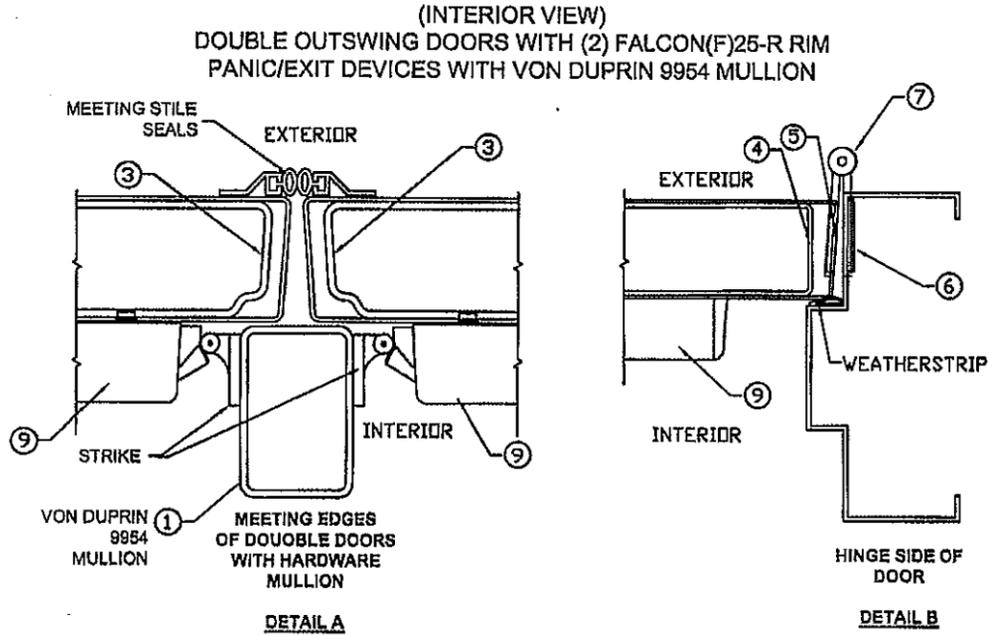
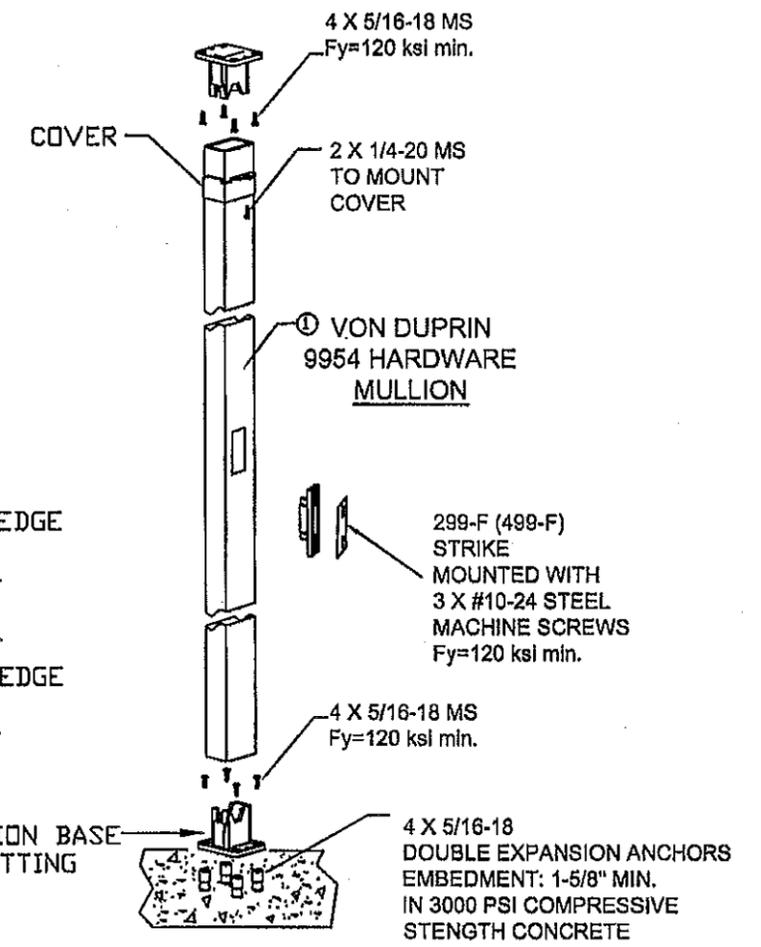
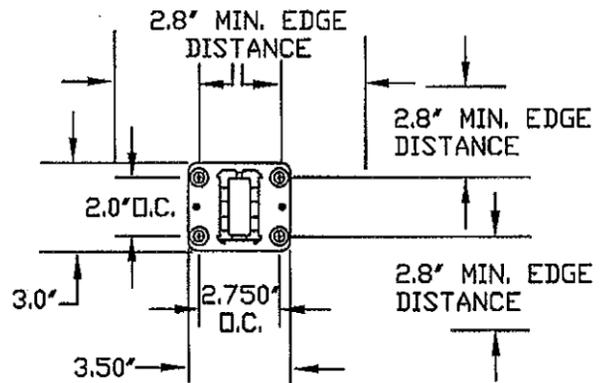
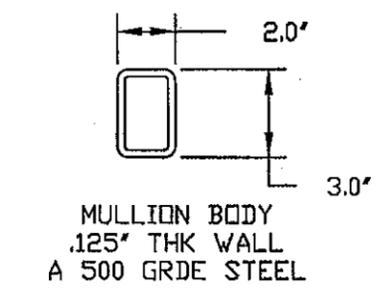
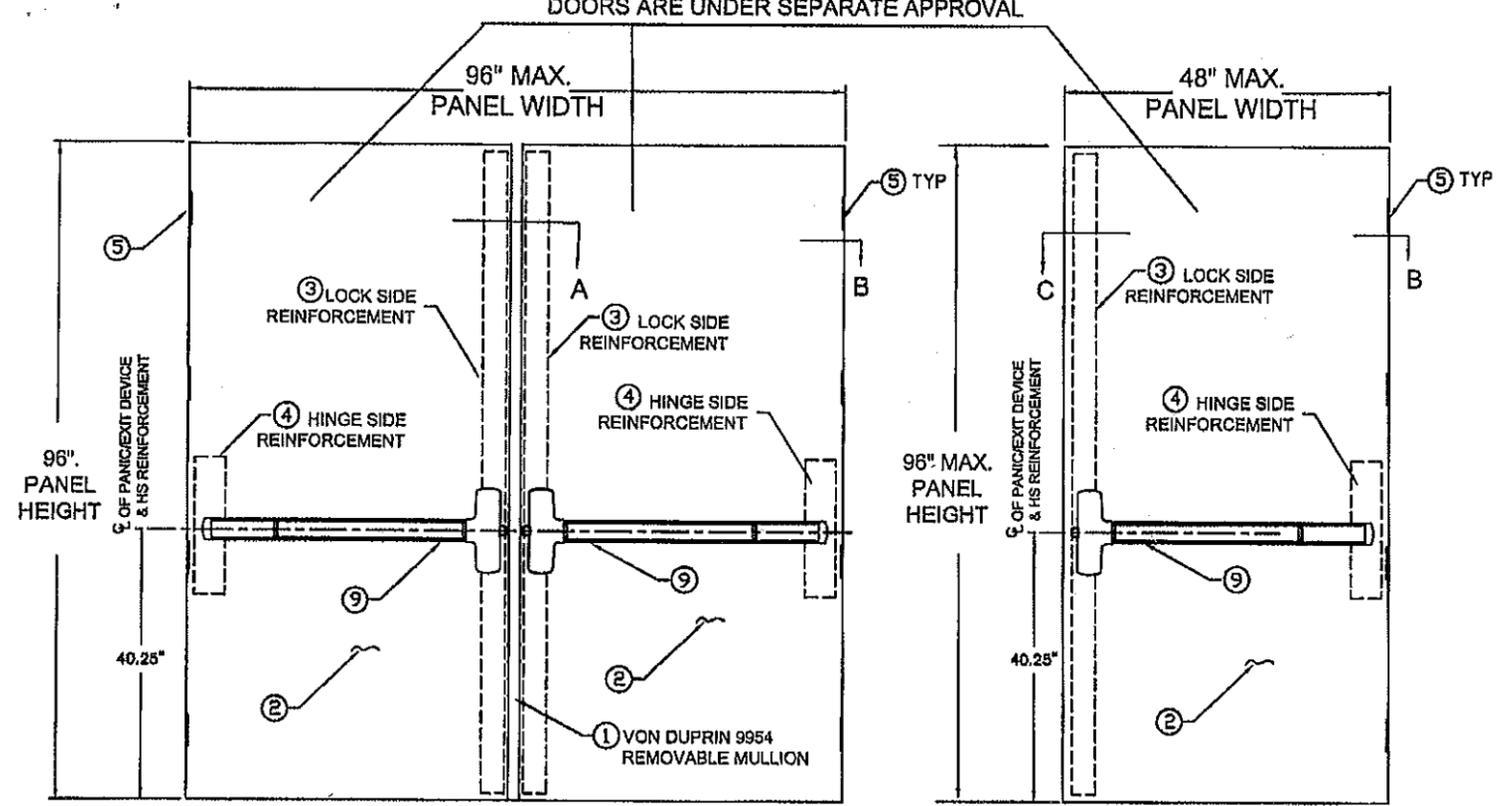
1. Test proposal # **09-0754** dated 03/11/10 approved by BCCO.
2. Falcon 25 series Panic Exit Devices brochures.



Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No 09-0723.01  
Expiration Date: June 21, 2017  
Approval Date: June 21, 2012

LTR	DESCRIPTION	DATE	APPROVED
A	NEW	05/22/09	
B	REVISED	03/23/11	
C	REVISED	02/28/12	

DESIGN PRESSURE RATING FALCON (F)25-R RIM PANIC/EXIT DEVICE COMPONENT APPROVAL	
POSITIVE	+70 PSF
NEGATIVE	-55 PSF



ITEM	DESCRIPTION	MATERIAL	SIZE
1	VON DUPRIN 9954 HARDWARE MULLION	.125" A500 STL	MAX. 96"
2	DOOR SLAB	.053" MIN. STL	48" X 96" MAX.
3	LOCK SIDE REINFORCEMENT CHANNEL	.099" MIN. STL	3.5 X 93.44 MAX
4	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL	MAX. 20"
5	HINGE REINFORCEMENT DOOR ASTM A621	.171" MIN. STL	1.23" X 9.187" MIN.
6	HINGE REINFORCEMENT FRAME ASTM A621	.171" MIN. STL	1.5" X 9.187" MIN.
7	4.5" X 4.5" BUTT HINGES	.134 MIN.	(8) #12-24 MS PER HINGE
8	RIM STRIKE REINFORCEMENT	.067" MIN. STL	1.5" X 8.5" MIN.
9	FALCON (F)25-R RIM PANIC/EXIT DEVICE		

- NOTES:
1. ALL FINISHES, 3' AND 4' DOOR WIDTH MODELS OFFERED.
  2. AVAILABLE FUNCTIONAL OPTIONS: F, EL, FSA/FSE, EA, HWEA, DM, LM, AND AE.
  3. ELECTRICAL INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
  4. THIS DEVICE IS APPROVED AS AN EQUAL ALTERNATE FOR SINGLE OR DOUBLE 16 GA. STEEL COMMERCIAL DOORS HOLDING CURRENT A NOA OR HVHZ COMPLIANT FBC APPROVAL. DOUBLE DOORS ARE REQUIRED TO USE A VON DUPRIN 9954 HARDWARE MULLION. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE EQUAL TO THAT OF THE LOWEST RATED COMPONENT, EITHER THE PANIC DEVICE OR THE DOOR.
  5. THE DEVICE SHOULD BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND NO HIGHER THAN 96".
  6. OPTIONAL SIGNAL SWITCH AND POWER TRANSFER UNITS MAY BE USED AS ALLOWED BY CODE AND IF IT DOESN'T AFFECT THE MECHANICAL PROPERTIES OF THIS PANIC/EXIT DEVICE AND/OR INHIBIT EGRESS.
  7. ALL ELECTRICAL COMPONENTS MUST BE UL APPROVED.
  8. THIS PANIC/EXIT DEVICE CAN BE INSTALLED AS PART OF IMPACT RESISTANT UNIT.

TYPICAL INSTALLATION  
SEE COMPONENT DETAIL - SHEET 2

5/17/12  
Gordon Thomas, P.E.  
3759 Blossom Court  
Mason, OH 45040  
Florida # 46718

Approved as complying with the  
Florida Building Code  
Date JUNE 21, 2012  
NOA# 09-0723-01  
Miami Dade Product Control  
By Ishag I. Chaudhry

BEND RADIUS

THIRD ANGLE PROJECTION

DRAWN YMF DATE 05/22/09

CHECKED

APPROVED

ENG. APPVL

**IR** Ingersoll Rand  
Security Technologies

FALCON  
2720 TOBEY DRIVE  
INDIANAPOLIS, IN 46219

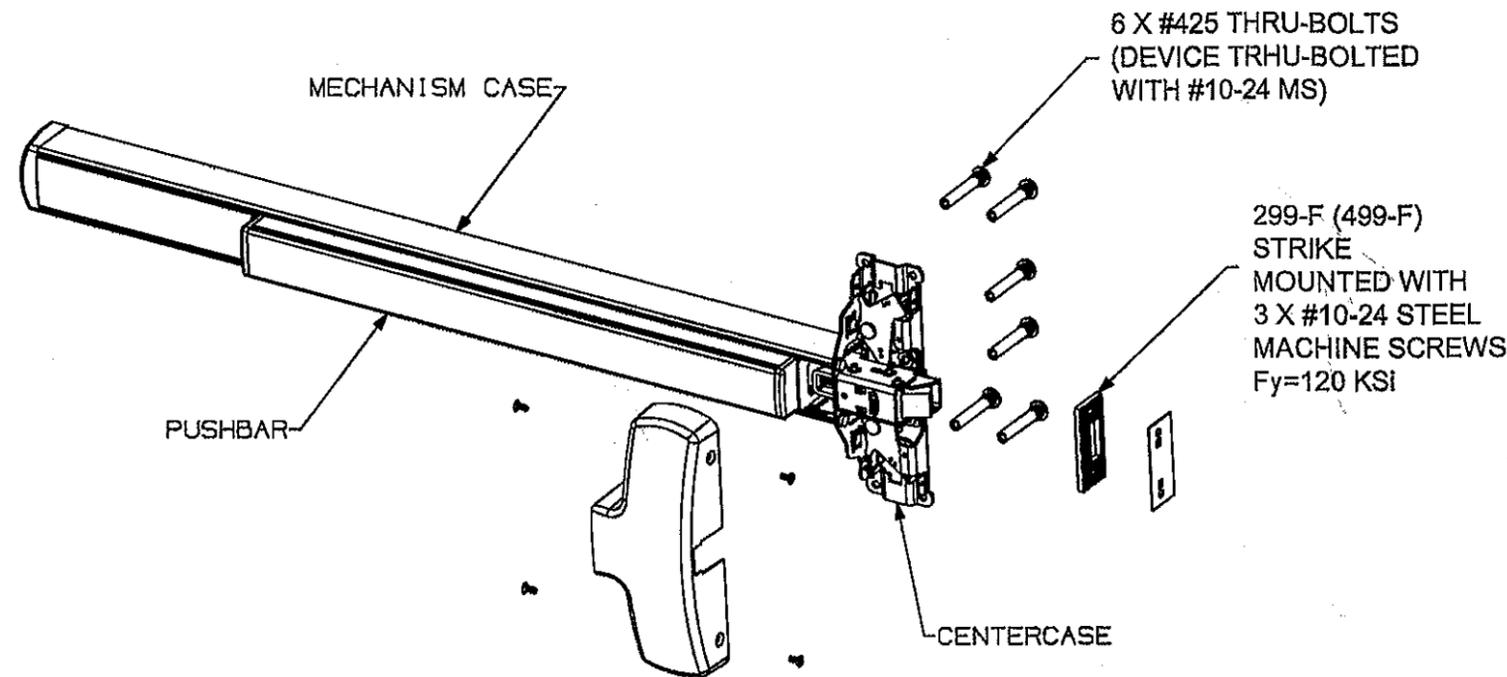
TITLE FALCON 25 SERIES PANIC/EXIT DEVICES - COMPONENT APPROVAL (CMD)  
MIAMI-DADE COUNTY  
COMPONENT PRODUCT APPROVAL  
FALCON 25-R SERIES  
RIM PANIC/EXIT DEVICE

SIZE FLAT DWG NO. 3580-2 SHEET 1 OF 8 REV C

SCALE: NTS AUTOCAD SHEET OF

DESIGN PRESSURE RATING FALCON (F)25-R RIM PANIC/EXIT DEVICE COMPONENT APPROVAL	
POSITIVE	+70 PSF
NEGATIVE	-55 PSF

R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	NEW	YMF 05/26/09	
B	REVISED	03/23/11	
C	REVISED	02/28/12	



**FALCON (F)25-R PANIC/EXIT DEVICE  
COMPONENT APPROVAL  
DOUBLE DOOR APPLICATION REQUIRES  
VON DUPRIN 9954 MULLION**

**DIMENSIONS**

TOUCHBAR PROJECTION:  
 NEUTRAL 2.784"  
 DEPRESSED 1.914"

CENTER CASE: 8.928" X 2.642" X 1.914"

DEVICE LENGTH:  
 FOR UP TO 3' WIDE DOORS 33.596"  
 FOR DOORS WIDER THAN 3' UP TO 4' 45.596"

FALCON OUTSIDE TRIM OPTIONS	
	510L
	510L BE
	510L NL
	510L DT
	510L FSA
	510L FSE
	510L FSA LK
	510L FSE LK
	510L LK
	511L
511L FSA	
511L FSE	
511L FSA LK	
511L FSE LK	
511L LK	
	512T
	512T BE
	512T NL
	512T DT
	512T FSA
	512T FSE
	512T FSA LK
	512T FSE LK
512T LK	
	513K
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	513K FSE
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	513K FSE LK
513K LK	

**NOTES:**

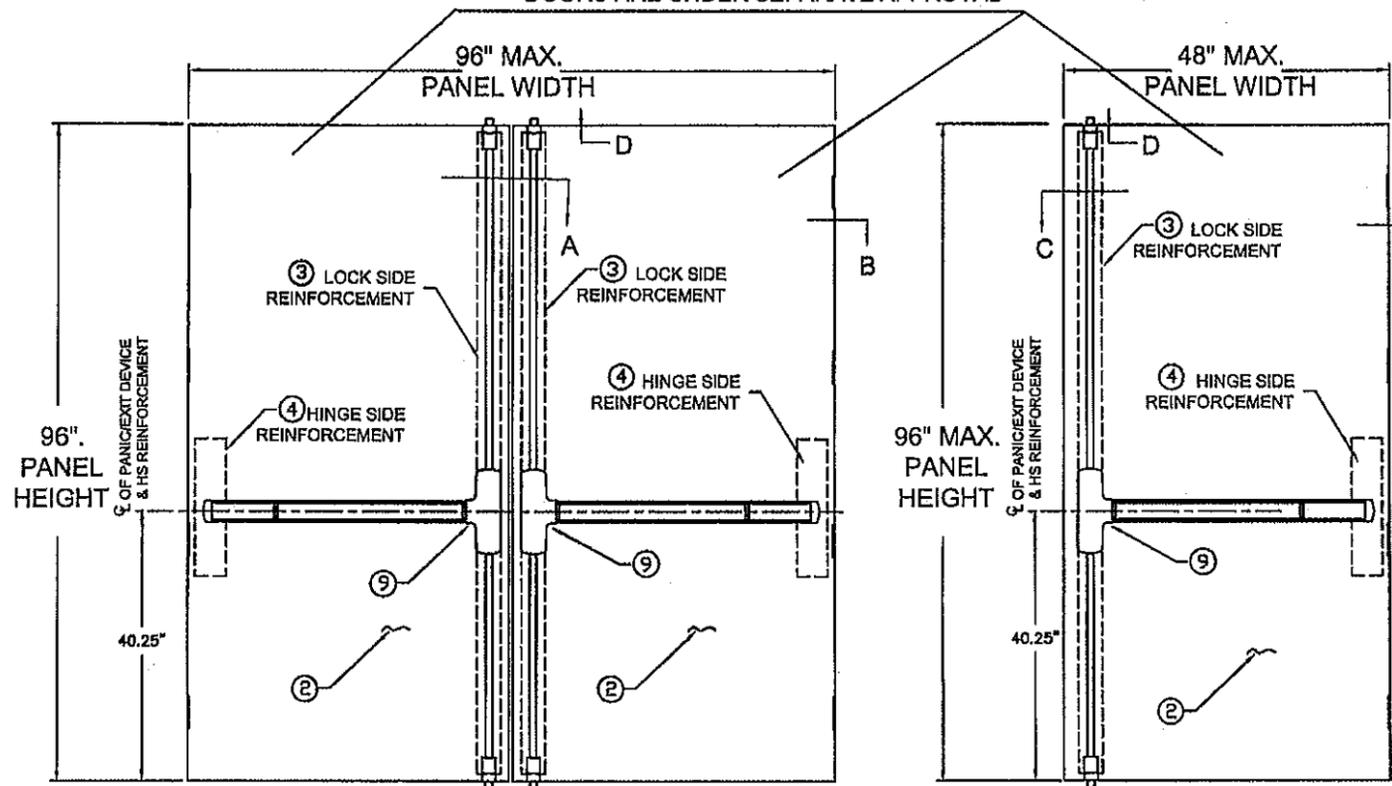
1. ALL FINISHES, 3' AND 4' DOOR WIDTH MODELS OFFERED.
2. AVAILABLE FUNCTIONAL OPTIONS: F, DX, EL, FSA/FSE, EA, HWEA, DM, LM, AND AE.
3. ELECTRICAL INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
4. THIS DEVICE IS APPROVED AS AN EQUAL ALTERNATE FOR SINGLE OR DOUBLE 16 GA. STEEL COMMERCIAL DOORS HOLDING A CURRENT NOA OR HVHZ COMPLIANT FBC APPROVAL. DOUBLE DOORS ARE REQUIRED TO USE A VON DUPRIN 9954 HARDWARE MULLION. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE EQUAL TO THAT OF THE LOWEST RATED COMPONENT, EITHER THE PANIC DEVICE OR THE DOOR.
5. THE DEVICE SHOULD BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND NO HIGHER THAN 96".
6. OPTIONAL SIGNAL SWITCH AND POWER TRANSFER UNITS MAY BE USED AS ALLOWED BY CODE AND IF IT DOESN'T AFFECT THE MECHANICAL PROPERTIES OF THIS PANIC/EXIT DEVICE AND/OR INHIBIT EGRESS.
7. ALL ELECTRICAL COMPONENTS MUST BE UL APPROVED.
8. THIS PANIC/EXIT DEVICE CAN BE INSTALLED AS PART OF IMPACT RESISTANT UNIT.

Approved as complying with the  
 Florida Building Code  
 Date: 6/21/12  
 NOA# 09-0723.01  
 Miami Dade Product Control  
 By: Ismael I. Chando

*Approved 5/17/10*  
 Gordon Thomas, P.E. Date  
 3759 Blossom Court  
 Mason, OH 45040  
 Florida # 46718

				FALCON 2720 TOBEY DRIVE INDIANAPOLIS, IN 46219	
THIRD ANGLE PROJECTION DRAWN YMF DATE 05/22/09 CHECKED APPROVED ENG. APPVL		TITLE FALCON 25 SERIES PANIC/EXIT DEVICES - COMPONENT APPROVAL (LMD) MIAMI-DADE COUNTY COMPONENT PRODUCT APPROVAL FALCON 25-R SERIES RIM PANIC/EXIT DEVICE			
SIZE FLAT SCALE: NTS AUTOCAD		DWG NO. 3580-2 SHEET 2 OF 8		REV C	

DOORS ARE UNDER SEPARATE APPROVAL



(INTERIOR VIEW)  
DOUBLE OUTSWING DOORS WITH FALCON (F)25-V SURFACE VERTICAL ROD PANIC/EXIT DEVICES

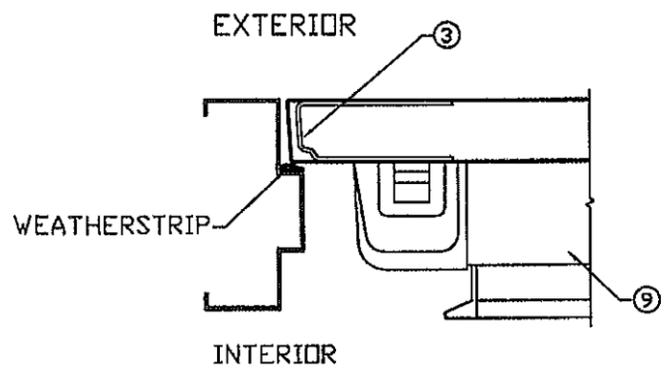
(INTERIOR VIEW)  
SINGLE OUTSWING DOOR WITH FALCON (F)25-V SURFACE VERTICAL ROD PANIC/EXIT DEVICE

DESIGN PRESSURE RATING  
FALCON (F)25-V SURFACE  
VERTICAL ROD PANIC/EXIT  
DEVICE COMPONENT APPROVAL

POSITIVE	+70 PSF
NEGATIVE	-70 PSF

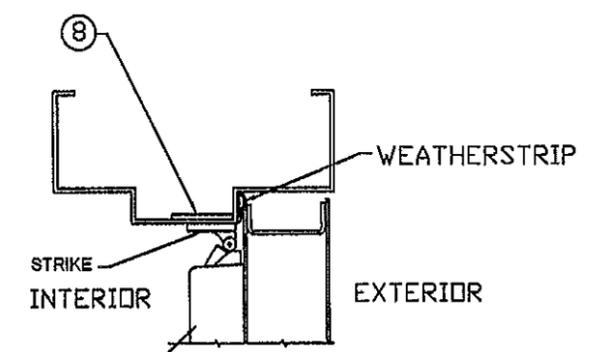
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	NEW	05/22/09	
B	REVISED	03/23/11	
C	REVISED	02/28/12	



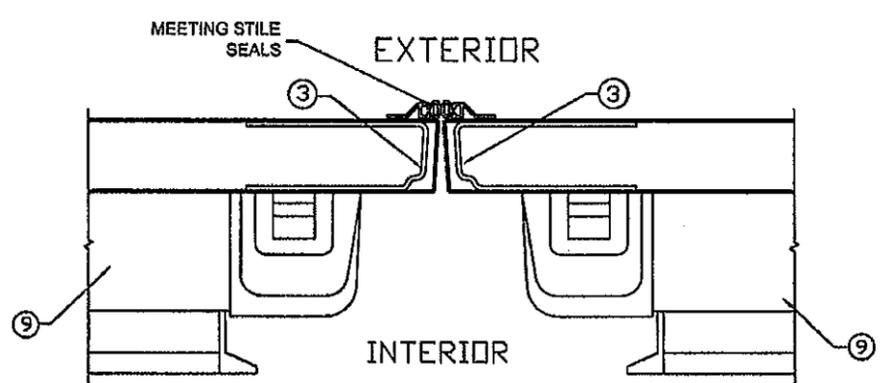
STRIKE JAMB SIDE OF SINGLE DOOR

DETAIL C



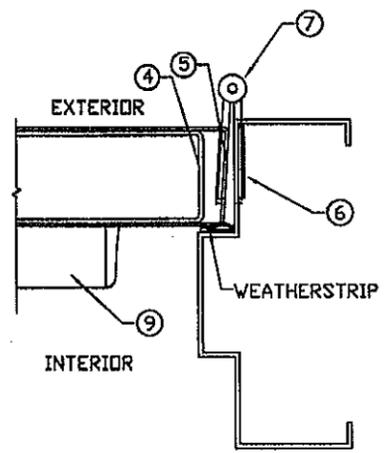
STRIKE REINFORCEMENT IN HEAD OF SINGLE OR DOUBLE FRAME

DETAIL D



MEETING EDGES OF DOUBLE DOORS WITH SURFACE VERTICAL ROD PANIC/EXIT DEVICE

DETAIL A



HINGE SIDE OF DOOR

DETAIL B

Approved as complying with the  
Florida Building Code  
Date 6/21/12  
NOA# 09-0723-01  
Miami Dade Product Control  
by Ishequl Chaudhry

ITEM	DESCRIPTION	MATERIAL	SIZE
1	NOT IN USE		
2	DOOR SLAB	.053" MIN. STL	48" X 96" MAX.
3	LOCK SIDE REINFORCEMENT CHANNEL	.099" MIN. STL	3.5 X 93.44 MAX
4	HINGE SIDE PANIC REINFORCEMENT	.067" MIN. STL	MAX. 20"
5	HINGE REINFORCEMENT DOOR ASTM A621	.171" MIN. STL	1.23" X 9.187" MIN.
6	HINGE REINFORCEMENT FRAME ASTM A621	.171" MIN. STL	1.5" X 9.187" MIN.
7	4.5" X 4.5" BUTT HINGES	.134 MIN.	(8) #12-24 MS PER HINGE
8	SURFACE VERTICAL ROD STRIKE REINFORCEMENT	.067" MIN. STL	1.5" X 12" MIN.
9	FALCON (F)25-V SURFACE VERTICAL ROD PANIC/EXIT DEVICE		

- NOTES:
1. ALL FINISHES, 3' AND 4' DOOR WIDTH MODELS OFFERED.
  2. AVAILABLE FUNCTIONAL OPTIONS: F, DX, EL, FSA/FSE, EA, HWEA, DM, LM, AND AE.
  3. ELECTRICAL INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
  4. THIS DEVICE IS APPROVED AS AN EQUAL ALTERNATE FOR SINGLE OR DOUBLE 16 GA STEEL COMMERCIAL DOORS HOLDING A CURRENT NOA OR HVHZ COMPLIANT FBC APPROVAL. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE EQUAL TO THAT OF THE LOWEST RATED COMPONENT, EITHER THE PANIC DEVICE OR THE DOOR.
  5. THE DEVICE SHOULD BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND NO HIGHER THAN 96".
  6. OPTIONAL SIGNAL SWITCH AND POWER TRANSFER UNITS MAY BE USED AS ALLOWED BY CODE AND IF IT DOESN'T AFFECT THE MECHANICAL PROPERTIES OF THIS PANIC/EXIT DEVICE AND/OR INHIBIT EGRESS.
  7. ALL ELECTRICAL COMPONENTS MUST BE UL APPROVED.
  8. THIS PANIC/EXIT DEVICE CAN BE INSTALLED AS PART OF IMPACT RESISTANT UNIT.

TYPICAL INSTALLATION  
SEE COMPONENT DETAIL - SHEET 4

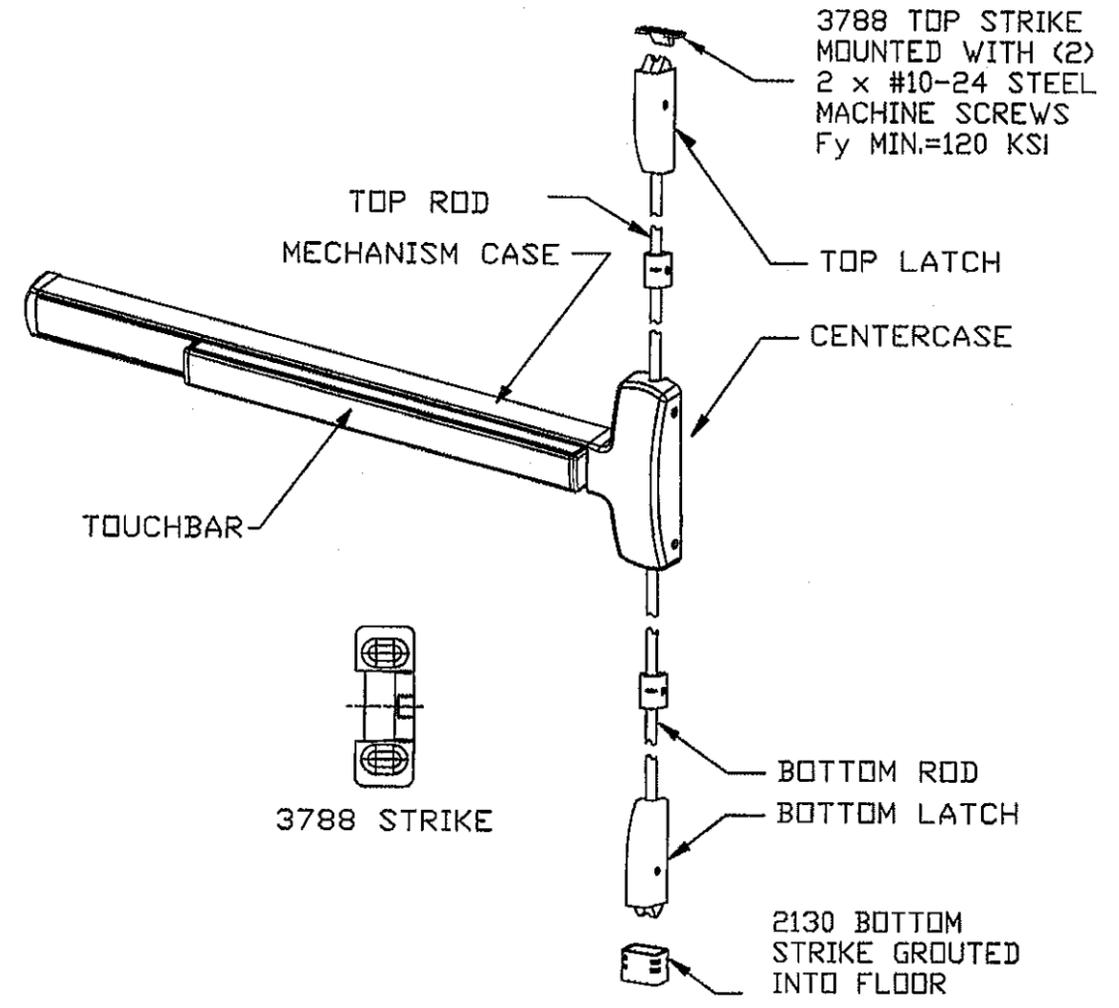
Gordon Thomas, P.E.  
3759 Blossom Court  
Mason, OH 45040  
Florida # 46718

Date 5/17/12

BEND RADIUS			
THIRD ANGLE PROJECTION			
DRAWN YMF	DATE 05/22/09	Ingersoll Rand Security Technologies FALCON 2720 TOBEY DRIVE INDIANAPOLIS, IN 46219	
CHECKED	TITLE FALCON 25 SERIES PANIC/EXIT DEVICES - COMPONENT APPROVAL (LMI) MIAMI-DADE COUNTY COMPONENT PRODUCT APPROVAL FALCON 25-V SERIES SURFACE VERTICAL ROD PANIC/EXIT DEVICE		
APPROVED	SIZE FLAT	DWG NO. 3580-2 SHEET 3 OF 8	REV C
ENG. APPVL	SCALE: NTS   AUTOCAD	SHEET OF	

DESIGN PRESSURE RATING	
POSITIVE	+70 PSF
NEGATIVE	-70 PSF

R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	NEW	05/22/09	
B	REVISED	03/23/11	
C	REVISED	02/28/12	



**FALCON (F)25-V SURFACE  
VERTICAL ROD PANIC/EXIT DEVICE  
COMPONENT APPROVAL**

FALCON OUTSIDE TRIM OPTIONS		
	510L	
	510L BE	
	510L NL	
	510L DT	
	510L FSA	
	510L FSE	
	510L FSA LK	
	510L FSE LK	
	510L LK	
	511L	
	511L FSA	
	512T	
	512T BE	
	512T NL	
	512T DT	
	512T FSA	
	512T FSE	
	512T FSA LK	
	512T FSE LK	
	512T LK	
		513K
		513K BE
513K NL		
513K DT		
513K FSA		
513K FSE		
513K FSA LK		
513K FSE LK		
513K LK		

Approved as complying with the  
Florida Building Code  
Date 6/21/12  
NOA# 09-0723.01  
Miami Dade Product Control  
By Isang I. Chon

**DIMENSIONS**

TOUCHBAR PROJECTION:  
NEUTRAL 2.784"  
DEPRESSED 1.914"

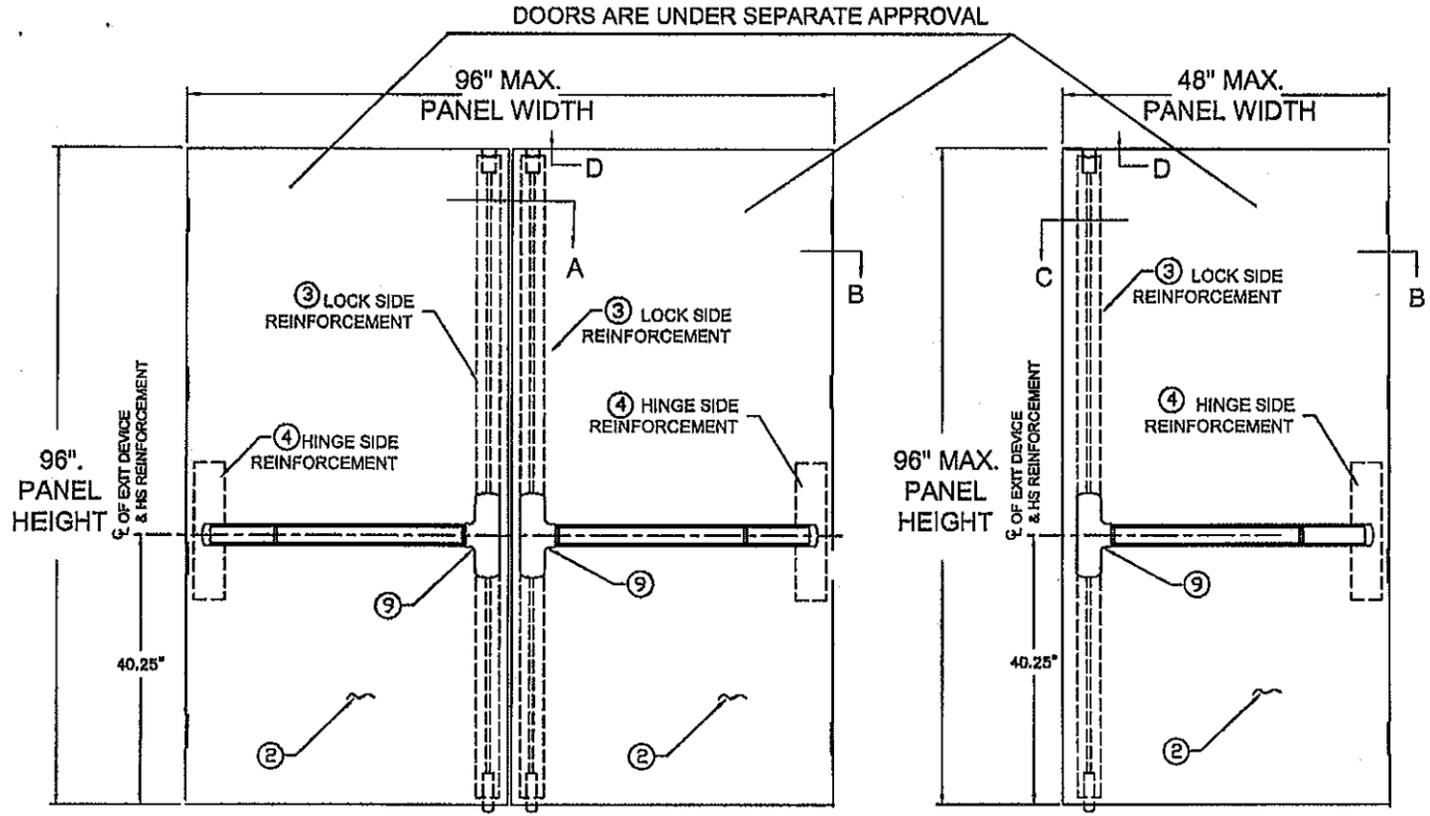
CENTER CASE: 8.928" X 2.642" X 1.914"  
TOP & BOTTOM LATCH CASE: 4.75" X 1.718" X 1.187"

DEVICE LENGTH:  
FOR UP TO 3' WIDE DOORS 33.596"  
FOR DOORS WIDER THAN 3' UP TO 4' 45.596"

- NOTES:**
1. ALL FINISHES, 3' AND 4' DOOR WIDTH MODELS OFFERED.
  2. AVAILABLE FUNCTIONAL OPTIONS: F, DX, EL, FSA/FSE, EA, HWEA, DM, LM, AND AE.
  3. ELECTRICAL INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
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  5. THE DEVICE SHOULD BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND NO HIGHER THAN 98".
  6. OPTIONAL SIGNAL SWITCH AND POWER TRANSFER UNITS MAY BE USED AS ALLOWED BY CODE AND IF IT DOESN'T AFFECT THE MECHANICAL PROPERTIES OF THIS PANIC/EXIT DEVICE AND/OR INHIBIT EGRESS.
  7. ALL ELECTRICAL COMPONENTS MUST BE UL APPROVED.
  8. THIS PANIC/EXIT DEVICE CAN BE INSTALLED AS PART OF IMPACT RESISTANT UNIT.

*[Signature]* 5/17/12  
Gordon Thomas, P.E. Date  
3759 Blossom Court  
Mason, OH 45040  
Florida # 46718

BEND RADIUS						<b>FALCON</b> 2720 TOBEY DRIVE INDIANAPOLIS, IN 46219			
THIRD ANGLE PROJECTION									
DRAWN	DATE	TITLE FALCON 25 SERIES PANIC/EXIT DEVICES - COMPONENT APPROVAL (LMD)							
YMF	05/22/09	MIAMI-DADE COUNTY COMPONENT PRODUCT APPROVAL FALCON 25-V SERIES SURFACE VERTICAL ROD PANIC/EXIT DEVICE							
CHECKED		SIZE	FLAT	DWG NO.	3580-2	SHEET	4 OF 8	REV	C
APPROVED		SCALE: NTS		AUTOCAD		SHEET		OF	
ENG. APPVL									



(INTERIOR VIEW)  
DOUBLE OUTSWING DOORS WITH FALCON F-25-C  
CONCEALED VERTICAL ROD EXIT DEVICES

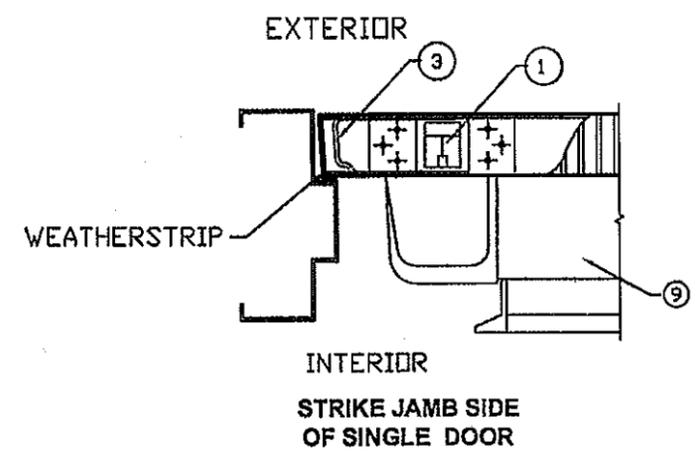
(INTERIOR VIEW)  
SINGLE OUTSWING DOOR WITH FALCON F-25-C  
CONCEALED VERTICAL ROD EXIT DEVICE

DESIGN PRESSURE RATING  
FALCON F-25-C CONCEALED  
VERTICAL ROD EXIT DEVICE  
COMPONENT APPROVAL

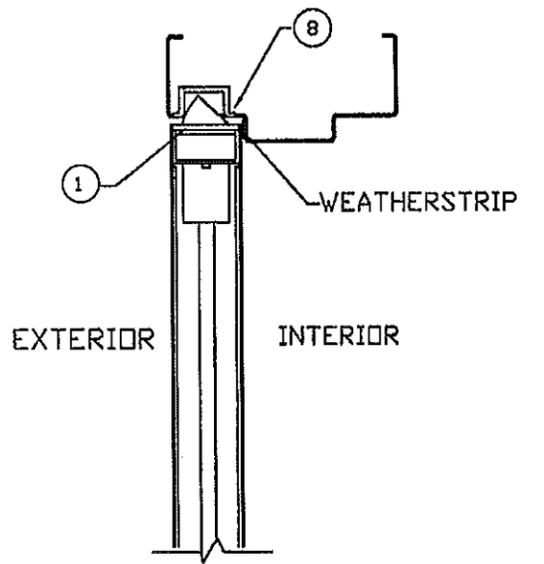
POSITIVE	+70 PSF
NEGATIVE	-70 PSF

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	NEW	05/22/09	
B	REVISED	03/23/11	
C	REVISED	02/28/12	

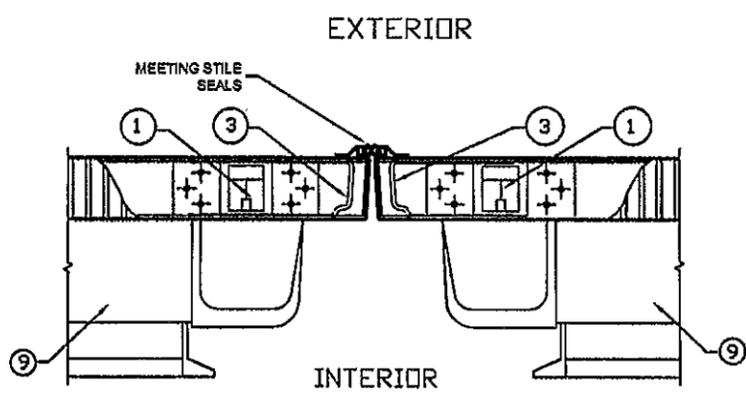


DETAIL C



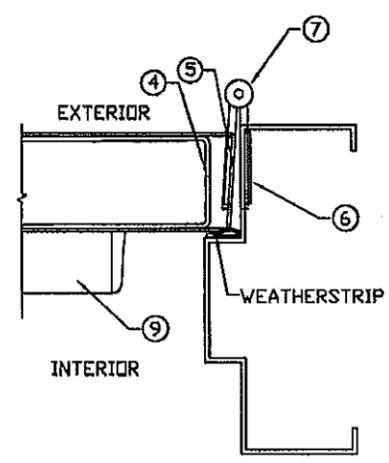
STRIKE  
REINFORCEMENT IN  
HEAD OF SINGLE OR  
DOUBLE FRAME

DETAIL D



MEETING EDGES OF DOUBLE DOORS WITH  
CONCEALED VERTICAL ROD EXIT DEVICE

DETAIL A



HINGE SIDE OF  
DOOR

DETAIL B

Approved as complying with the  
Florida Building Code  
Date 6/21/12  
NOA# 09-0723.01  
Miami Dade Product Control  
By Isang I. Cho

ITEM	DESCRIPTION	MATERIAL	SIZE
1	CONCEALED VERTICAL ROD TOP LATCH		
2	DOOR SLAB	.093" MIN. STL	48" X 96" MAX.
3	LOCK SIDE REINFORCEMENT CHANNEL	.099" MIN. STL	3.5 X 93.44 MAX
4	HINGE SIDE PANIC REINFORCEMENT	.087" MIN. STL	MAX. 20"
5	HINGE REINFORCEMENT DOOR ASTM A621	.171" MIN. STL	1.25" X 9.187" MIN.
6	HINGE REINFORCEMENT FRAME ASTM A621	.171" MIN. STL	1.5" X 9.187" MIN.
7	4.5" X 4.5" BUTT HINGES	.134 MIN.	(8) #12-24 MS PER HINGE
8	CONCEALED VERTICAL ROD STRIKE REINFORCEMENT/PREP	.087" MIN. STL	PER MFG TEMPLATE
9	FALCON F-25-C CONCEALED VERTICAL ROD EXIT DEVICE		

- NOTES:
1. ALL FINISHES, 3' AND 4' DOOR WIDTH MODELS OFFERED.
  2. AVAILABLE FUNCTIONAL OPTIONS: F, DX, EL, FSA/FSE, EA, HWEA, DM, LM, AND AE.
  3. ELECTRICAL INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
  4. THIS DEVICE IS APPROVED AS AN EQUAL ALTERNATE FOR SINGLE OR DOUBLE 16 GA STEEL COMMERCIAL DOORS HOLDING A CURRENT NOA OR HVHZ COMPLIANT FBC APPROVAL. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE EQUAL TO THE LOWEST RATED COMPONENT, EITHER THE PANIC DEVICE OR THE DOOR.
  5. THE DEVICE SHOULD BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND NO HIGHER THAN 96".
  6. OPTIONAL SIGNAL SWITCH AND POWER TRANSFER UNITS MAY BE USED AS ALLOWED BY CODE AND IF IT DOESN'T AFFECT THE MECHANICAL PROPERTIES OF THIS EXIT DEVICE AND/OR INHIBIT EGRESS.
  7. ALL ELECTRICAL COMPONENTS MUST BE UL APPROVED.
  8. THIS EXIT DEVICE CAN BE INSTALLED AS PART OF IMPACT RESISTANT UNIT.

TYPICAL INSTALLATION  
SEE COMPONENT DETAIL - SHEET 6

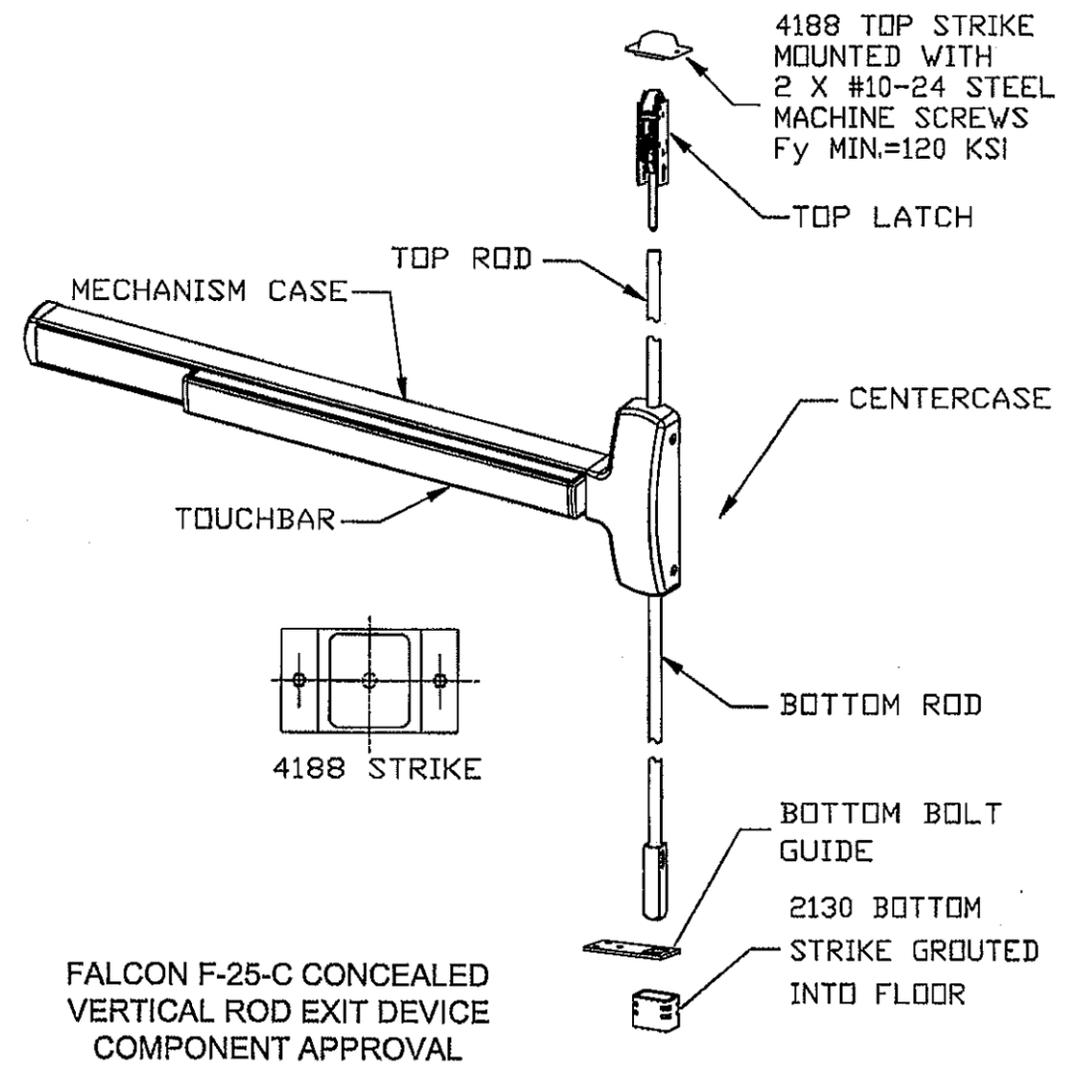
*ATL* 5/17/12  
Gordon Thomas, P.E. Date  
3759 Blossom Court  
Mason, OH 46040  
Florida # 46718

BEND RADIUS					FALCON 2720 TOBEY DRIVE INDIANAPOLIS, IN 46219	
THIRD ANGLE PROJECTION						
DRAWN <b>YMF</b>	DATE 05/22/09	TITLE FALCON 25 SERIES PANIC/EXIT DEVICES - COMPONENT APPROVAL (LMD) MIAMI-DADE COUNTY COMPONENT PRODUCT APPROVAL FALCON F-25-C SERIES CONCEALED VERTICAL ROD EXIT DEVICE				
CHECKED		SIZE	FLAT	DWG NO. 3580-2	SHEET 5 OF 8	REV C
APPROVED		SCALE	NTS	AUTOCAD	SHEET	OF
ENG. APPVL						

DESIGN PRESSURE RATING	
POSITIVE	+70 PSF
NEGATIVE	-70 PSF

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	NEW	05/22/09	
B	REVISED	03/23/11	
C	REVISED	02/28/12	



FALCON F-25-C CONCEALED VERTICAL ROD EXIT DEVICE COMPONENT APPROVAL

FALCON OUTSIDE TRIM OPTIONS	
510/511	510L
	510L BE
	510L NL
	510L DT
	510L FSA
	510L FSE
	510L FSA LK
	510L FSE LK
	510L LK
	511L
511L FSA	
511L FSE	
511L FSA LK	
511L FSE LK	
511L LK	
512	512T
	512T BE
	512T NL
	512T DT
	512T FSA
	512T FSE
	512T FSA LK
	512T FSE LK
513	513K
	513K BE
	513K NL
	513K DT
	513K FSA
	513K FSE
	513K FSA LK
	513K FSE LK

**DIMENSIONS**

TOUCHBAR PROJECTION:  
 NEUTRAL 2.784"  
 DEPRESSED 1.914"

CENTER CASE: 8.928" X 2.642" X 1.914"

DEVICE LENGTH:  
 FOR UP TO 3' WIDE DOORS 33.596"  
 FOR DOORS WIDER THAN 3' UP TO 4' 45.596"

Approved as complying with the Florida Building Code  
 Date 6/22/12  
 NOA# 06-0722-01  
 Miami Dade Product Control  
 By [Signature]

- NOTES:
1. ALL FINISHES, 3' AND 4' DOOR WIDTH MODELS OFFERED.
  2. AVAILABLE FUNCTIONAL OPTIONS: F, DX, EL, FSA/FSE, EA, HWEA, DM, LM, AND AE.
  3. ELECTRICAL INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
  4. THIS DEVICE IS APPROVED AS AN EQUAL ALTERNATE FOR SINGLE OR DOUBLE 16 GA STEEL COMMERCIAL DOORS HOLDING CURRENT NOA OR HVHZ COMPLIANT FBC APPROVAL. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE EQUAL TO THAT OF THE LOWEST RATED COMPONENT, EITHER THE PANIC DEVICE OR THE DOOR.
  5. THE DEVICE SHOULD BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND NO HIGHER THAN 96".
  6. OPTIONAL SIGNAL SWITCH AND POWER TRANSFER UNITS MAY BE USED AS ALLOWED BY CODE AND IF IT DOESN'T AFFECT THE MECHANICAL PROPERTIES OF THIS EXIT DEVICE AND/OR INHIBIT EGRESS.
  7. ALL ELECTRICAL COMPONENTS MUST BE UL APPROVED.
  8. THIS EXIT DEVICE CAN BE INSTALLED AS PART OF IMPACT RESISTANT UNIT.

[Signature] 5/12/12  
 Gordon Thomas, P.E.  
 3759 Blossom Court  
 Mason, OH 45040  
 Florida # 46718

BEND RADIUS						FALCON 2720 TOBEY DRIVE INDIANAPOLIS, IN 46219			
THIRD ANGLE PROJECTION									
DRAWN	DATE	TITLE FALCON 25 SERIES PANIC/EXIT DEVICES - COMPONENT APPROVAL (LMI)							
YMF	05/22/09	MIAMI-DADE COUNTY COMPONENT PRODUCT APPROVAL							
CHECKED		FALCON F-25-C SERIES CONCEALED VERTICAL ROD EXIT DEVICE							
APPROVED		SIZE	FLAT	DWG NO.	3580-2	SHEET	6 OF 8	REV	C
ENG. APPVL		SCALE	NTS	AUTOCAD		SHEET	OF		

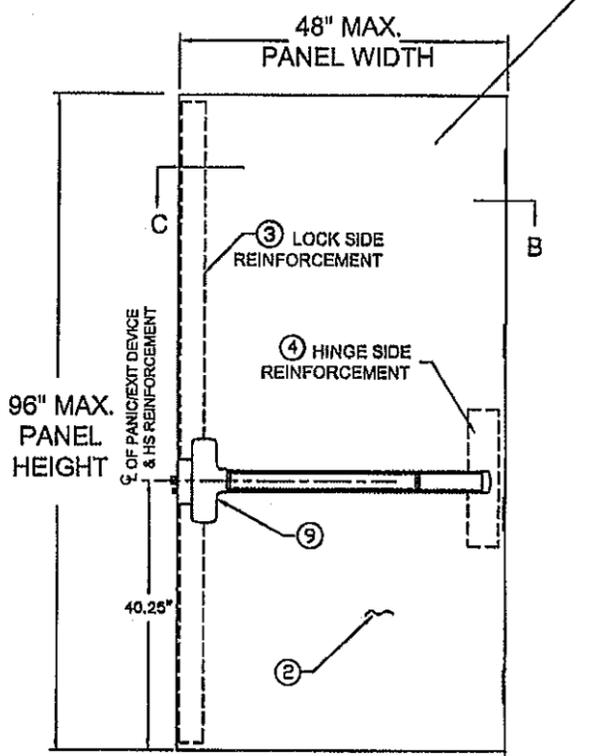
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	NEW	05/22/09	
B	REVISED	03/23/11	
C	REVISED	02/28/12	

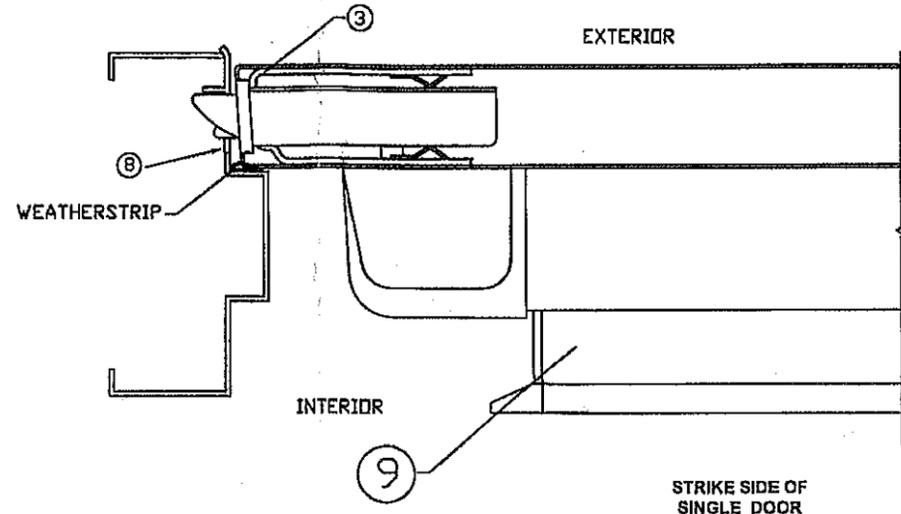
DESIGN PRESSURE RATING  
FALCON (F)25-M MORTISE  
PANIC/EXIT DEVICE  
COMPONENT APPROVAL  
(SINGLE DOOR ONLY)

POSITIVE	+70 PSF
NEGATIVE	-70 PSF

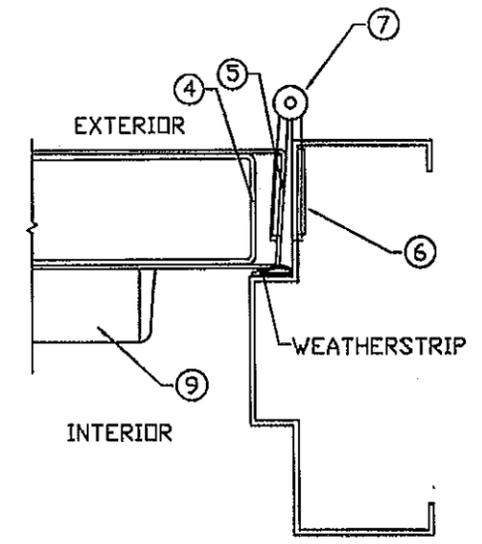
DOORS ARE UNDER SEPARATE APPROVAL



(INTERIOR VIEW)  
SINGLE OUTSWING DOOR WITH  
FALCON (F)25-M MORTISE PANIC/EXIT DEVICE



STRIKE SIDE OF  
SINGLE DOOR  
DETAIL C



HINGE SIDE OF  
DOOR  
DETAIL B

Approved as complying with the  
Florida Building Code  
Date 6/21/12  
NOA# 05-0723-01  
Miami Dade Product Control  
By Isang L. Cho

ITEM	DESCRIPTION	MATERIAL	SIZE
1	NOT IN USE		
2	DOOR SLAB	.053" MIN. STL	48" X 96" MAX.
3	LOCK SIDE REINFORCEMENT CHANNEL	.099" MIN. STL	3.5 X 93.44 MAX
4	HINGE SIDE PANIC REINFORCEMENT	.087" MIN. STL	MAX. 20"
5	HINGE REINFORCEMENT DOOR ASTM A621	.171" MIN. STL	1.23" X 9.187" MIN.
6	HINGE REINFORCEMENT FRAME ASTM A621	.171" MIN. STL	1.25" X 9.187" MIN.
7	4.5" X 4.5" BUTT HINGES	.134 MIN.	(8) #12-24 MS PER HINGE
8	ASA STRIKE REINFORCEMENT	.053" MIN. STL	1.25" X 8.00" MIN.
9	FALCON (F)25-M MORTISE PANIC/EXIT DEVICE		

- NOTES:
1. ALL FINISHES, 3' AND 4' DOOR WIDTH MODELS OFFERED.
  2. AVAILABLE FUNCTIONAL OPTIONS: F, DX, EL, FSA/FSE, EA, HWEA, DM, LM, AND AE.
  3. ELECTRICAL INSTALLATION IS UNDER SEPARATE APPROVAL AND MUST BE REVIEWED BY CORRESPONDING AUTHORITY.
  4. THIS DEVICE IS APPROVED AS AN EQUAL ALTERNATE FOR SINGLE 16 GA. STEEL COMMERCIAL DOORS HOLDING CURRENT NOA OR HVHZ COMPLIANT FBC APPROVAL. THE DESIGN PRESSURE RATING OF THE ASSEMBLY SHALL BE EQUAL TO THAT OF THE LOWEST RATED COMPONENT, EITHER THE PANIC DEVICE OR THE DOOR.
  5. THE DEVICE SHOULD BE INSTALLED IN COMMERCIAL STEEL DOOR NO WIDER THAN 48" AND NO HIGHER THAN 96".
  6. OPTIONAL SIGNAL SWITCH AND POWER TRANSFER UNITS MAY BE USED AS ALLOWED BY CODE AND IF IT DOESN'T AFFECT THE MECHANICAL PROPERTIES OF THIS PANIC/EXIT DEVICE AND/OR INHIBIT EGRESS.
  7. ALL ELECTRICAL COMPONENTS MUST BE UL APPROVED.
  8. THIS PANIC/EXIT DEVICE CAN BE INSTALLED AS PART OF IMPACT RESISTANT UNIT.

TYPICAL INSTALLATION  
SEE COMPONENT DETAIL - SHEET 8

*[Signature]*  
Gordon Thomas, P.E. Date  
3759 Blossom Court  
Mason, OH 45040  
Florida # 48718

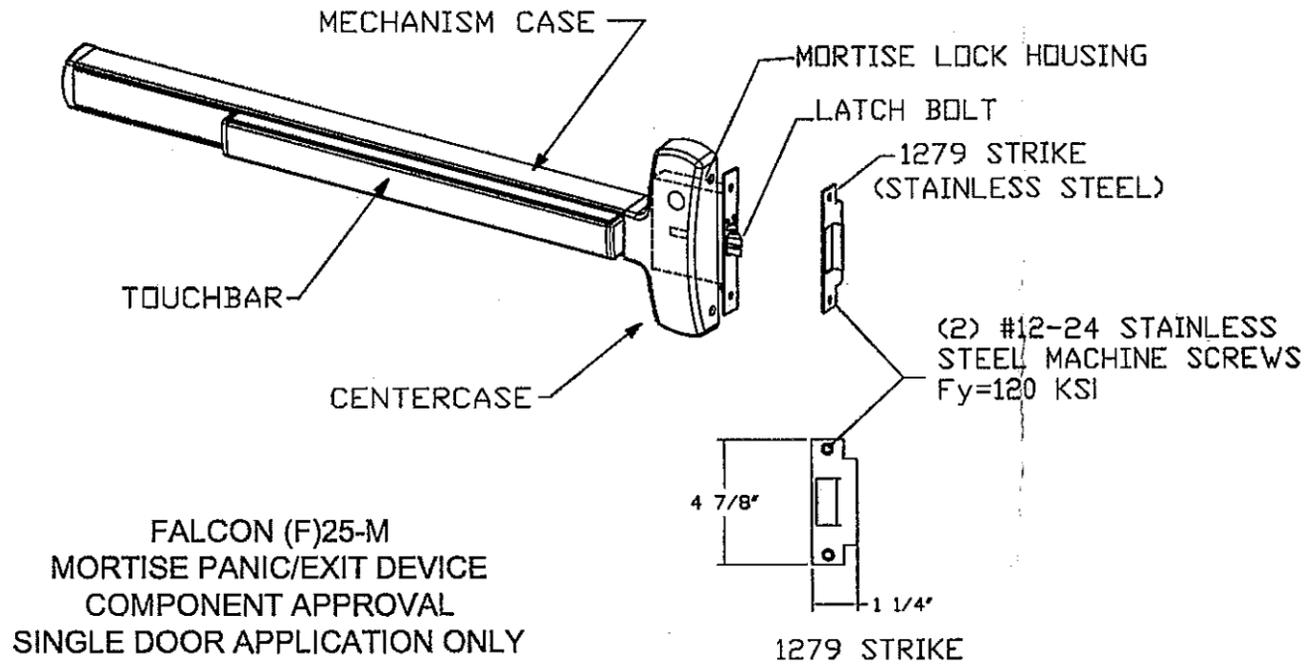
BEND RADIUS				FALCON 2720 TOBEY DRIVE INDIANAPOLIS, IN 46219	
THIRD ANGLE PROJECTION		TITLE FALCON 25 SERIES PANIC/EXIT DEVICES - COMPONENT APPROVAL (LMD)			
DRAWN YMF	DATE 05/22/09	MIAMI-DADE COUNTY COMPONENT PRODUCT APPROVAL FALCON 25-M SERIES MORTISE PANIC/EXIT DEVICE			
CHECKED		SIZE	FLAT	DWG NO.	REV
APPROVED				3580-2 SHEET 7 OF 8	C
ENG. APPVL		SCALE:	NTS	AUTOCAD	SHEET OF

DESIGN PRESSURE RATING  
 FALCON (F)25-M MORTISE  
 PANIC/EXIT DEVICE  
 COMPONENT APPROVAL  
 (SINGLE DOOR ONLY)

POSITIVE	+70 PSF
NEGATIVE	-70 PSF

R E V I S I O N S

LTR	DESCRIPTION	DATE	APPROVED
A	NEW	05/22/09	
B	REVISED	03/23/11	
C	REVISED	02/28/12	



Approved as complying with the  
 Florida Building Code  
 Date June 21, 2012  
 NOA# 09-0723-01  
 Miami Dade Product Control  
 By [Signature]

**DIMENSIONS**

TOUCHBAR PROJECTION:  
 NEUTRAL 2.784"  
 DEPRESSED 1.914"

CENTER CASE: 8.928" X 2.642" X 1.914"

DEVICE LENGTH:  
 FOR UP TO 3' WIDE DOORS 33.596"  
 FOR DOORS WIDER THAN 3' UP TO 4' 45.596"

FALCON OUTSIDE TRIM OPTIONS	
<p>510/511</p>	510L
	510L BE
	510L NL
	510L DT
	510L FSA
	510L FSE
	510L FSA LK
	510L FSE LK
	510L LK
	511L
	511L FSA
511L FSE	
511L FSA LK	
511L FSE LK	
511L LK	
<p>512</p>	512T
	512T BE
	512T NL
	512T DT
	512T FSA
	512T FSE
	512T FSA LK
	512T FSE LK
512T LK	
<p>513</p>	513K
	513K BE
	513K NL
	513K DT
	513K FSA
	513K FSE
	513K FSA LK
	513K FSE LK
513K LK	

- NOTES:**
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*[Signature]* 5/17/12  
 Gordon Thomas, P.E. Date  
 3759 Bldg Court  
 Mason, OH 45040  
 Florida # 46718

BEND RADIUS		<p>Ingersoll Rand Security Technologies</p>		<p>FALCON 2720 TOBEY DRIVE INDIANAPOLIS, IN 46219</p>	
<p>THIRD ANGLE PROJECTION</p>					
DRAWN	DATE	TITLE FALCON 25 SERIES PANIC/EXIT DEVICES - COMPONENT APPROVAL (CMS)			
YMF	05/22/09	MIAMI-DADE COUNTY COMPONENT PRODUCT APPROVAL FALCON 25-M SERIES MORTISE PANIC/EXIT DEVICE			
CHECKED		SIZE	FLAT	DWG NO.	REV
APPROVED				3580-2	C
ENG. APPVL		SCALE	NTS	SHEET	8 OF 8
			AUTOCAD		