



MIAMI-DADE COUNTY
BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building/home/asp

NOTICE OF ACCEPTANCE (NOA)

Dorma Door Control, Inc.
 1003 West Broadway
 Steelville, IL 62288

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 BNC -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. BNC 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: Dorma Series "9300 Rim Panic Exit w/ HC 1300 mullion" & Dorma series "9400/ 9400 SVR" Panic Exit Devices- Component Approval

APPROVAL DOCUMENT: Drawing No. **9000-003 DADE**, titled "Dorma 9300/F9300 Rim Exit Device and Dorma 9400/F9400 Surface Vertical Rod Exit Device", sheets 1 through 6 of 6, prepared by manufacturer, dated 06/24/11 and last revised on 30 June, 2011, signed and sealed by Allen N. Reeves, 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 Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitation:

1. The Panic Exit Devices to be used in approved outswing glazed or opaque 16 ga steel frame & door system, having current NOA(s). Lower design of door or component approval shall control.
2. Electrical devices, fire rating & egress requirements are not part of the review and such application to be reviewed and approved by AHJ (Authority Having Jurisdiction)

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and Series 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 **revises & renews** NOA # **07-0312.06** and consists of this page 1 and evidence pages E-1& E2, as well as approval document mentioned above.

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

NOA No 11-0406.02
Expiration Date: May 19, 2016
Approval Date: July 28, 2011
 Page 1



NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections (transferred from file # # 07-0312.06)
2. Drawing No. **9000-003 DADE**, titled "Dorma 9300/F9300 Rim Exit Device and Dorma 9400/F9400 Surface Vertical Rod Exit Device", sheets 1 through 6 of 6, prepared by manufacturer, dated 06/24/11 and last revised on 30 June, 2011, signed and sealed by Allen N. Reeves, P.E.

B. TESTS (transferred from file #(s) 07-0312.06, # 05-0104.03 & # 03-0911.04)

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) Water Resistance Test, per FBC, TAS 202-94 (Not Performed)
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagram of Dorma's series 9000 panic devices in the Quality Engineered Product's hollow metal doors, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA-1276W**, dated November 17, 2004, signed and sealed by Ramesh Patel, P.E. (Note: This test report has been revised by addendum letters dated April 11, 2005 & August 03, 2005, issued by Certified Testing Lab, Inc, signed & sealed by Ramesh Patel, P.E.)

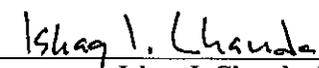
2. Test reports on
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94 (Not Performed)
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 3603.2 (b) and TAS 202-94

Along with marked-up drawings and installation diagram of Dorma's series 9000 panic devices in the Benchmark HMF's hollow metal doors, prepared by Certified Testing Laboratories, Inc., Test Report No. **CTLA-1089W**, dated April 21, 2003, signed and sealed by Ramesh Patel, P.E. (Note: This test report has been revised by addendum letter dated November 10, 2003, issued by Certified Testing Lab, Inc, signed & sealed by Ramesh Patel, P.E.) &

Along with marked-up drawings and installation diagram of Dorma's series 9000 panic devices in the Dorma's hollow metal doors, prepared by Architectural Testing Laboratory, Inc., Test Report No. **ATI-0137581.01, ATI-0137581.02 and ATI-0137581.04**, dated March 15 & March 16, 2001, signed and sealed by Allen N. Reeves, P.E. (Note: This test report has been revised by Addendum letter dated 08 October, 2001 for test reports **ATI-0137581.01, 02, 03 and 04**, issued by Architectural Testing Laboratory, signed and sealed by Allen N. Reeves, P.E.)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by HR Engineering Inc, signed & sealed by Allen N. Reeves, P. E.


Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 11-0406.02
Expiration Date: May 19, 2016
Approval Date: July 28, 2011

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami Dade Building and Neighborhood Compliance Department (BNC).

E. MATERIAL CERTIFICATIONS

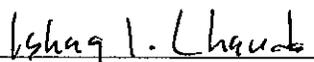
1. None

F. STATEMENTS

1. Letter of conformance to FBC 2007 & "No financial interest" dated June 30, 2011, prepared by HR Engineering Inc., signed and sealed by Allen N. Reeves, P. E.
2. Letter of authorization issued by Quality Engineered Products, dated July 19, 2011, allowing Dorma Architectural Hardware Inc to use test report CTLA-1276W to obtain "Renewal" component approval, signed by Andrew Bernstein.
3. Letter of authorization issued by Quality Engineered Products, dated Nov. 29, 2004, allowing Dorma Architectural Hardware Inc to use test report CTLA-1276W to obtain component approval, signed by Andrew Bernstein.
4. Statement letter of lab compliance, as part of above referenced test reports.
5. Merger agreement between Dorma Door Control Inc. and Dorma Steelville, Inc. dated Feb 28, 2003, both signed by Paul T. Kosakowaski, president.

G. OTHER

1. This NOA **revises & renews** NOA # **07-0312.06**, expired on May 19, 2011.
2. Test report authorization by Quality Engineered Products Inc.
3. DORMA's update catalog per acknowledgement letter dated April 24, 2006.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No 11-0406.02
Expiration Date: May 19, 2016
Approval Date: July 28, 2011

DORMA 9300/F9300 SERIES RIM DEVICE INSTALLATION FOR HURRICANE CODE
ON OUTSWING SINGLE OR PAIRED WITH DORMA HC1300 MULLION APPLICATION
INTO APPROVED OUTSWING GLAZED DOORS HAVING CURRENT NOA.

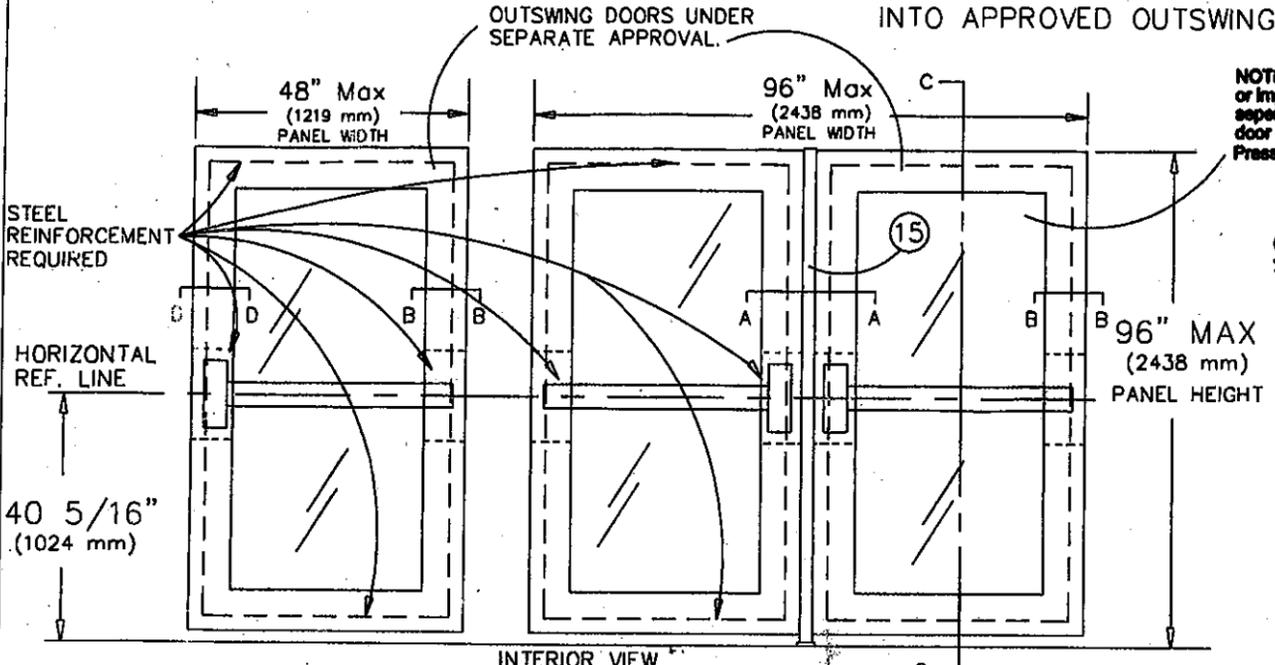
7 ga. x 1.25" x 10"

GENERAL NOTES

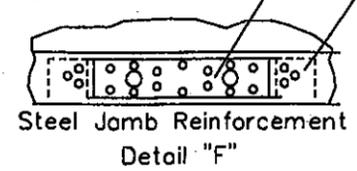
LIMITATIONS:
1. Each device is approved to be used as equal alternate to corresponding lack approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
2. Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
3. Steel reinforcement required as indicated on detail drawings.
4. Electrical devices are not part of this approval, and must be reviewed by the corresponding authority.

Certification:
Underwriter's Laboratories - UL10C, UBC 7-2 (1997)
ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw
All reinforcements to be spot welded or better by door manufacturer.

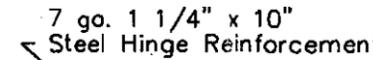
Frame: Steel 16ga Min. (.060 min.)
Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel.



NOTE: Impact glass kit, having current component NOA or impact glazed steel door, having current NOA are under separate approval. Lower design pressure of glazed kit NOA, door NOA or this device NOA shall control as final Design Pressure application.



OUTSWING DOORS UNDER SEPARATE APPROVAL.



NOTE: Chassis may be either 9300 or F9300 "F" prefix denotes fire rated chassis assembly.

Single DORMA 9300/F9300 Pair DORMA 9300/F9300 Rim Exit Device With DORMA HC1300 Mullion

SERIES DORMA 9300/F9300 RIM EXIT X DORMA HC1300 MULLION

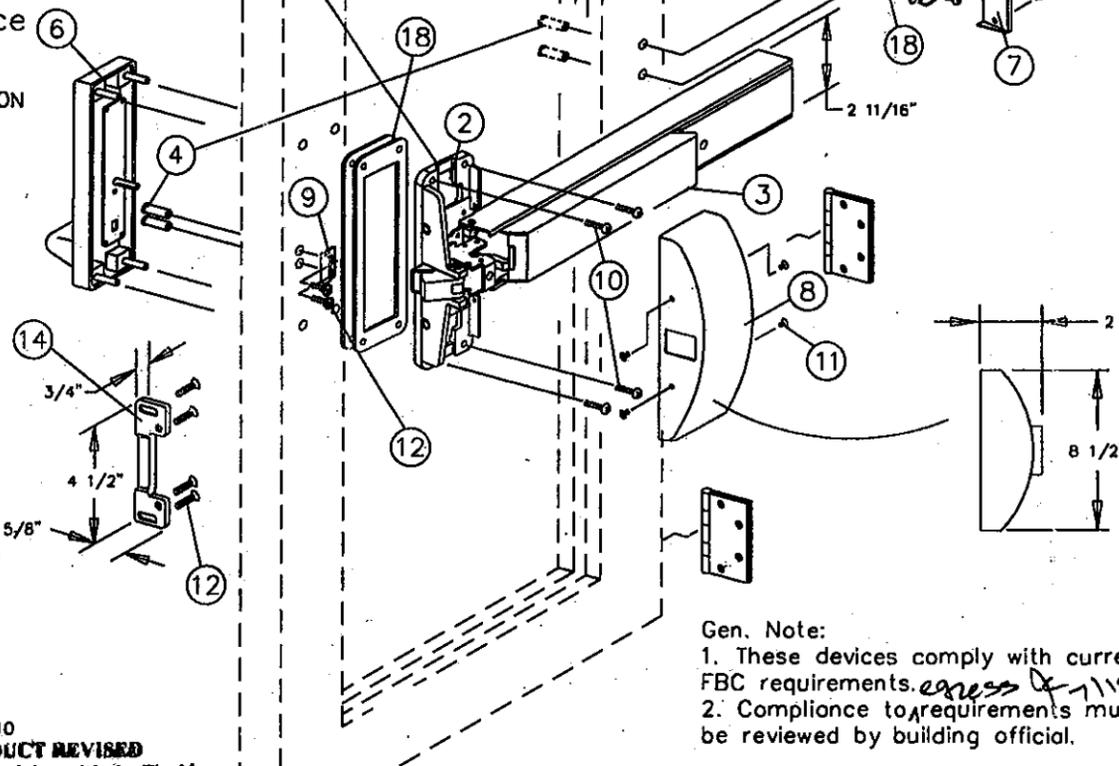
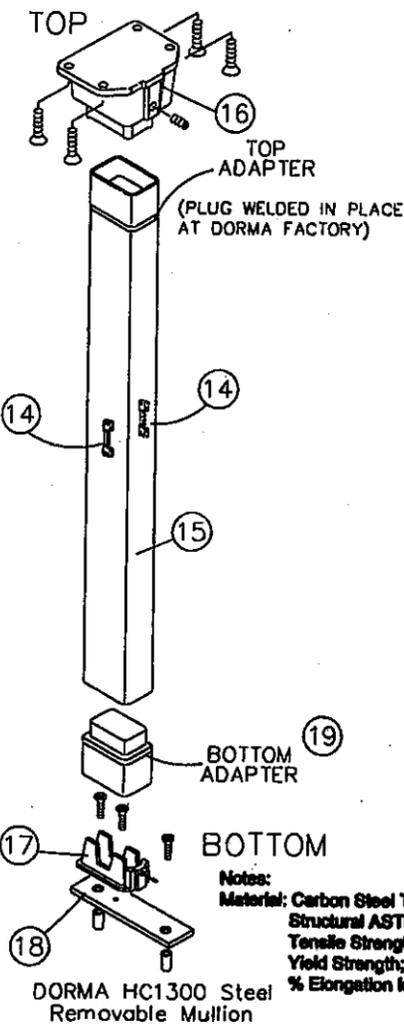
BILL OF MATERIAL (Per Panel)			
ITEM	DESCRIPTION	PART NUMBER	QTY.
1	APPROVED DOOR & FRAME	Under Separate NOA	1
2	DORMA 9300 CHASSIS ASSY	SEE NOTES	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		4
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE		1
10	12-24 R.H.P.M.S.		8
11	8-32 F.H.P.M.S.		6
12	12-24 F.H.P.M.S.		6
13	HINGE (STEEL)	Per NOA	4
14	#463 STRIKE	SEE NOTES	1
15	Removable Steel Mullion	DORMA HC1300	1
16	Mullion Top Fitting		1
17	Mullion Bottom Fitting		1
18	Mounting Plate	Steel	1
19	Bottom Adapter	Steel	1

CHASSIS ASSEMBLY MATERIAL: INVESTMENT CAST 1020 STEEL, BOLT 304 STAINLESS
STRIKE MATERIAL: 701 SANDCAST MALLEABLE IRON FERRATIC GRADE 32510

Series DORMA 9300/F9300 Rim Exit Device for Single or Pairs When Used With DORMA HC1300 Mullion 96" x 96" Maximum Opening

Design Pressure Rating	
POSITIVE	80 PSF
NEGATIVE	80 PSF
IMPACT RATING	
LARGE AND SMALL MISSILE IMPACT RESISTANT	

- Thru Bolt
- R.H.P.M.S.—Round Head Phillips Machine Screw
- F.H.P.M.S.—Flat Head Phillips Machine Screw
- D.H.P.M.S.—Dowl Head Phillips Machine Screw
- F.H.P.U.C.M.S.—Flat Head Phillips Undercut Machine Screw
- T.H.P.U.C.M.S.—Flat Head Phillips Undercut Machine Screw



Gen. Note:
1. These devices comply with current FBC requirements.
2. Compliance to requirements must be reviewed by building official.

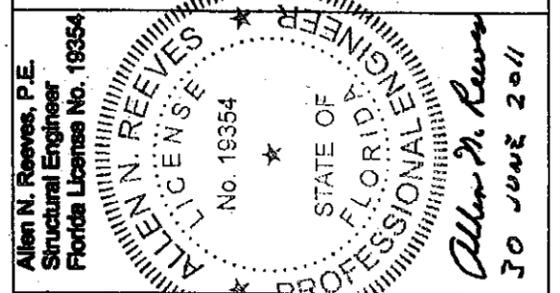
NOTE: FOR ALL SECTION DETAILS SEE DRAWING SHEET 2 OF 6 W/ DORMA HC1300 STEEL MULLION

DESCRIPTION: DORMA 9300/F9300 Rim Exit Device 16 GA. Full Glass Door(s)



DORMA DOOR CONTROLS INC
1003 W. BROADWAY
STEELEVILLE, ILLINOIS 62288

SCALE: NONE DRAWN BY: TA DATE: 8/10/04 CHKD BY: DC DATE: 6-24-11



REV.	BY	DATE
9	TA	6-23-11
8	TA	12-03-07
7	TA	7-26-07
6	TA	7-6-07
5	TA	6-11-07
4	EW	3-27-06
3	EW	2-2-06
2	TA	7-6-05
1	TA	5-6-05

DWG. 1 OF 6 DWG. NO. 9000-003 DADE

DORMA 9300F9300 SERIES RIM DEVICE INSTALLATION FOR HURRICANE CODE ON OUTSWING SINGLE OR PAIRED WITH DORMA HC1300 MULLION APPLICATION INTO APPROVED OUTSWING GLAZED DOORS HAVING CURRENT NOA.

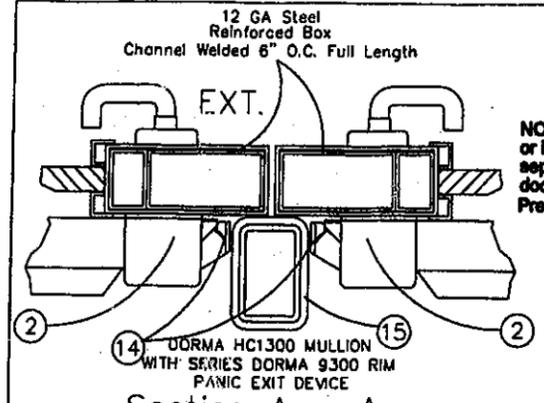
GENERAL NOTES

- LIMITATIONS:
- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
 - Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
 - Steel reinforcement required as indicated on detail drawings.
 - Electrical devices are not part of this approval, and must be reviewed by the corresponding authority.

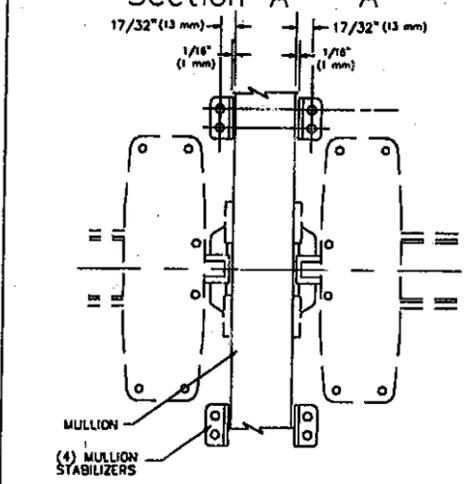
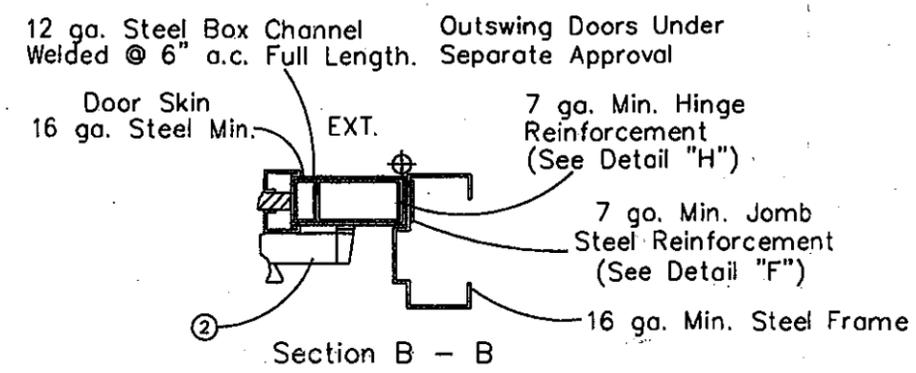
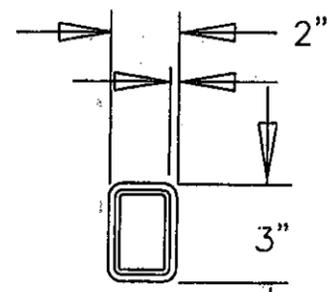
Certification:
Underwriter's Laboratories - UL10C, UBC 7-2 (1997)
ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw
All reinforcements to be spot welded or better by door manufacturer.

Frame: Steel 16ga Min. (.060 min.)
Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel.
Lock Stile/Hinge locations reinforced with 12go steel box channel full length.
Strike/Hinge locations reinforced with 7go Steel plate.

All dimensions in accordance with manufacturer's standard installation instructions.
Exit device Model 9300 Series Rim
Outside trim may be one of the following prefix designations:
NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims.
Thru bolts must be used on all installations as shown.
Interlocking strike angle must be installed on all installations as shown.
Quantities double for the opposite doors.



NOTE: Impacted glass kit, having current component NOA or impacted glazed steel door, having current NOA are under separate approval. Lower design pressure of glazed kit NOA, door NOA or this device NOA shall control as final Design Pressure application.

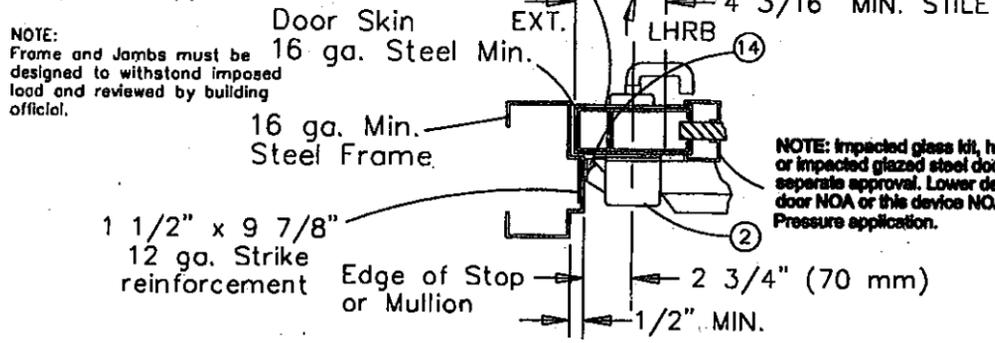


Notes:
Material:
Carbon Steel Tubing 2 x 3 x 1/8 Wall Structural ASTM A500-Grade B
Tensile Strength; 58000 psi.
Yield Strength; 46000 psi.
% Elongation In 2 Inches; 23

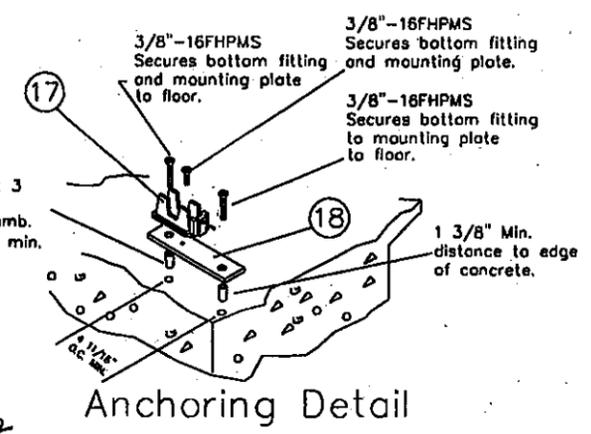
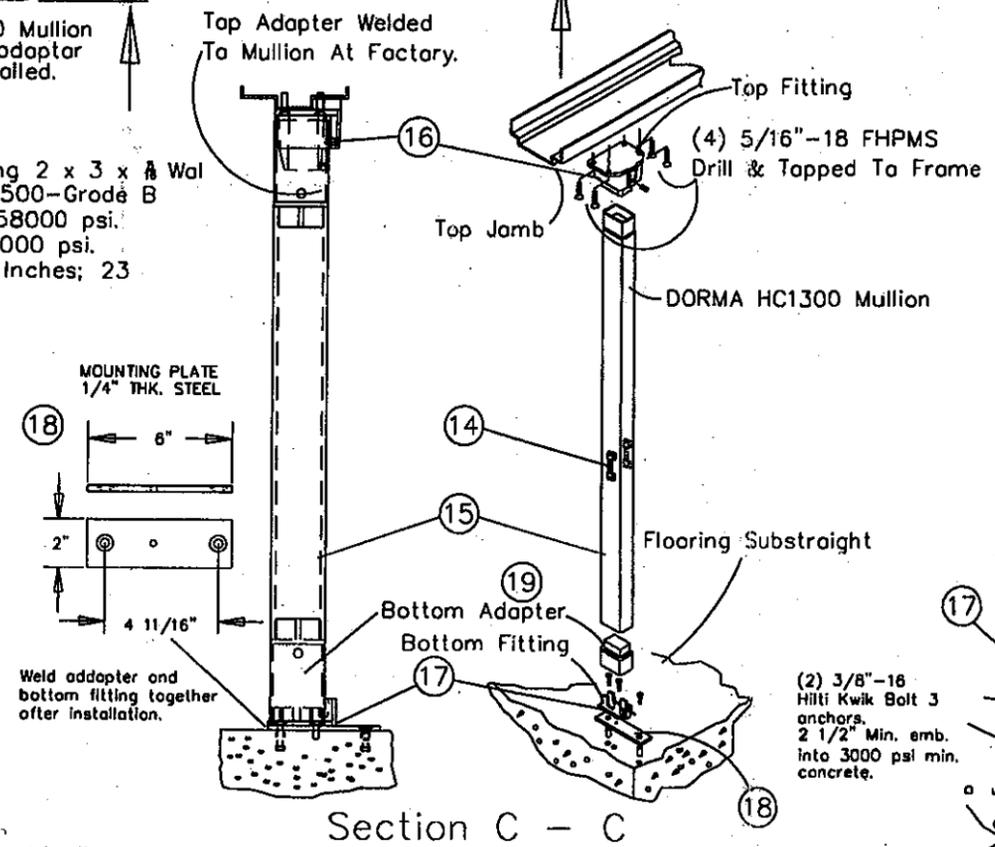
NOTE: Chassis may be either 9300 or F9300
"F" prefix denotes fire rated chassis assembly.

12 ga. Steel Box Channel Welded @ 6" a.c. Full Length.
Outswing Doors Under Separate Approval

NOTE: Frame and Jamb must be designed to withstand imposed load and reviewed by building official.



VERTICAL REF. LINE
Section D - D
OUTSWING SINGLE DOOR



Series DORMA 9300F9300 Rim Exit Device for Single or Pairs When Used With DORMA HC1300 Mullion 96" x 96" Maximum Opening	
Design Pressure Rating	
POSITIVE	80 PSF
NEGATIVE	80 PSF
IMPACT RATING	
LARGE AND SMALL MISSILE IMPACT RESISTANT	

PRODUCT REVISED
in compliance with the Florida Building Code
Amendment No 11-0604.02
Expiration Date 07/19, 2016
Ishag I. Chant
Structural Engineer

DESCRIPTION: DORMA 9300/F9300 Rim Exit Device
16 GA. Full Glass Door(s)



DORMA DOOR CONTROLS INC
1003 W. BROADWAY
STEELEVILLE, ILLINOIS 62288



REV. NO.	BY	DATE
10	TA	6-23-11
9	TA	3-21-11
8	TA	12-12-07
7	TA	7-26-07
6	TA	7-6-07
5	TA	6-11-07
4	EW	3-27-06
3	EW	2-2-06
2	TA	7-6-05
1	TA	5-6-05

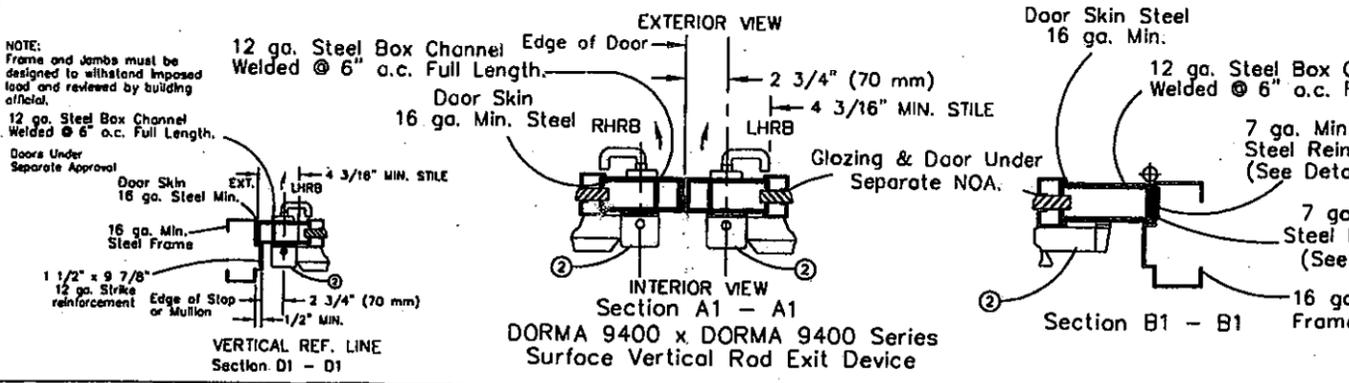
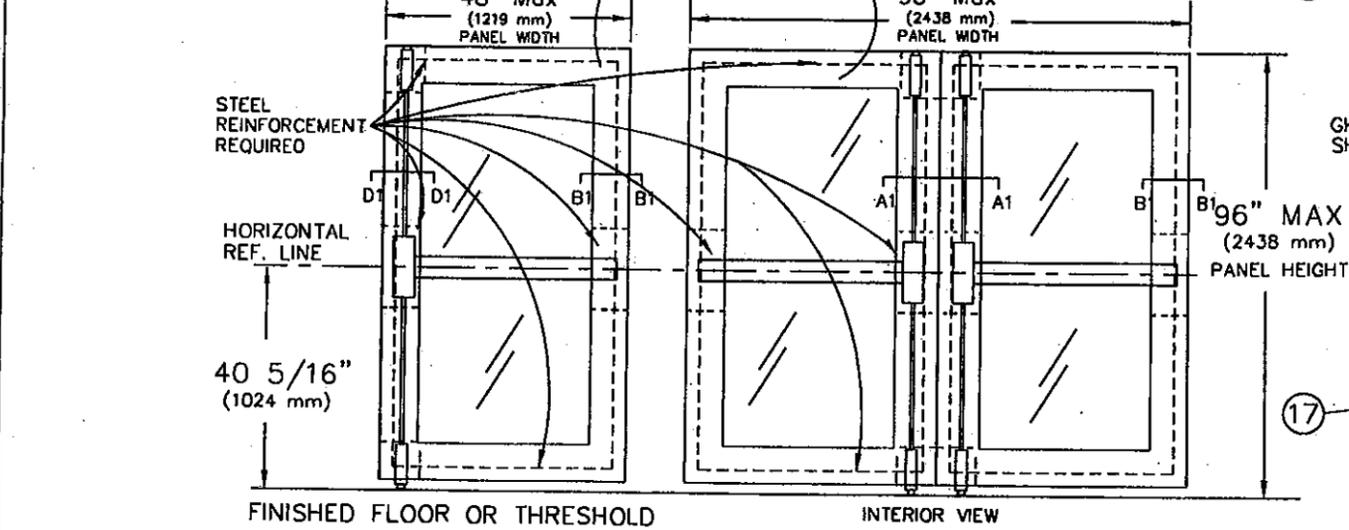
DWG. 2 OF 6

DORMA 9400/F9400 SURFACE VERTICAL ROD EXIT DEVICE

BILL OF MATERIAL (Per Panel)

ITEM	DESCRIPTION	PART NUMBER	QTY.
1	APPROVED DOOR & FRAME	Under Separate NOA	1
2	DORMA 9400 CHASSIS ASSY.	ALUMINUM	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		8
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE	STAINLESS STEEL	1
10	12-24 R.H.P.M.S.		12
11	8-32 F.H.P.M.S.		10
12	ROD RETAINING PLATE		2
13	HINGES	PER NOA	4
14	TOP LATCH ASSEMBLY	STEEL	1
15	#426 TOP STRIKE PACK	SANDCAST GRAY IRON CLASS 20	1
16	TOP CONNECTING ROD	1/2" O.D. STAINLESS TUBING	1
17	BOTTOM CONNECTING ROD	1/2" O.D. STAINLESS TUBING	1
18	8-32 x 3/4" R.H.P.M.S.		2
19	BOTTOM LATCH BRACKET		1
20	SLIDE BOLT ASSEMBLY	STEEL	1
21	LATCH COVER		2
22	#340 BOTTOM STRIKE PACK	STEEL	8
23	ROD GUIDE		2
24	#6 x 1 1/4" F.H.P.T.S.		4
25	ROD GUIDE COVER		2

NOTE: Impacted glass kit, having current component NOA or impacted glazed steel door, having current NOA are under separate approval. Lower design pressure of glazed kit NOA, door NOA or this device NOA shall control as final Design Pressure application.



NOTE: Frame and Jamb must be designed to withstand imposed load and reviewed by building official. 12 ga. Steel Box Channel Welded @ 6" o.c. Full Length. Doors Under Separate Approval. Door Skin 16 ga. Steel Min. 1 1/2" x 9 7/8" 12 ga. Strike reinforcement Edge of Stop or Mullion 2 3/4" (70 mm) 1/2" MIN.

DORMA 9400/F9400 SERIES SURFACE VERTICAL ROD ON OUTSWING SINGLE OR PAIRED APPLICATION ON APPROVED OUTSWING GLAZED DOORS HAVING CURRENT NOA.

TYPICAL SURFACE VERTICAL ROD INSTALLATION
LEFT HAND REVERSE BEVEL SHOWN
RIGHT HAND REVERSE BEVEL OPPOSITE

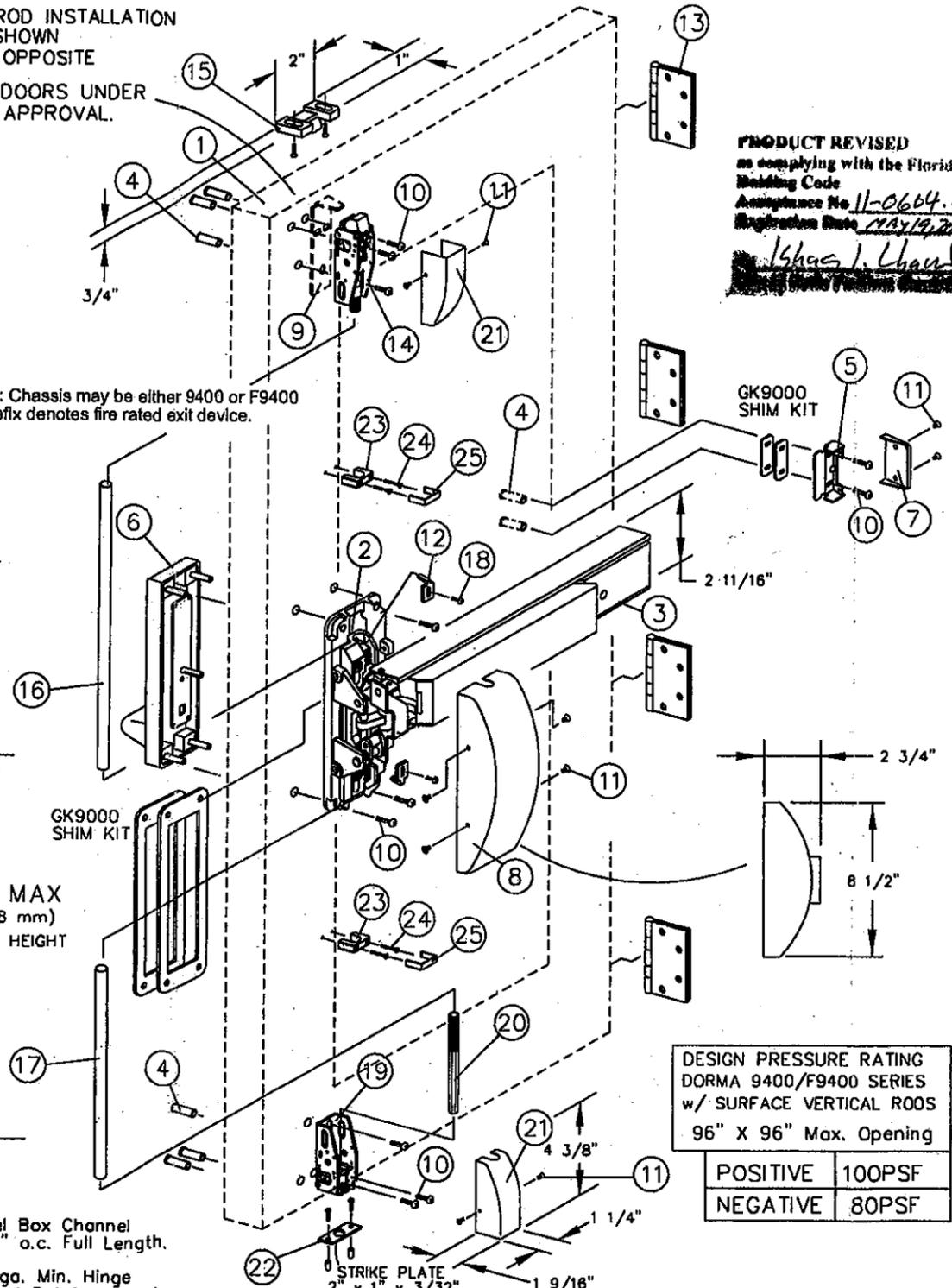
OUTSWING DOORS UNDER SEPARATE APPROVAL.

DETAIL "H"
Steel Hinge Reinforcement
7 ga. 1 1/4" x 10"

DETAIL "F"
Steel Jamb Reinforcement
7 ga. x 1.25" x 10"

- Thru Bolt
- R.H.P.M.S.—Round Head Phillips Machine Screw
- F.H.P.M.S.—Flat Head Phillips Machine Screw
- O.H.P.M.S.—Oval Head Phillips Machine Screw
- F.H.P.U.C.M.S.—Flat Head Phillips Undercut Machine Screw
- T.H.P.U.C.M.S.—Flat Head Phillips Undercut Machine Screw

NOTE: Chassis may be either 9400 or F9400 "F" prefix denotes fire rated exit device.



PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-0664-02
Registration Date MAY 19, 2016
Shas J. Chaudhary

DESIGN PRESSURE RATING
DORMA 9400/F9400 SERIES
w/ SURFACE VERTICAL RODS
96" X 96" Max. Opening

POSITIVE	100PSF
NEGATIVE	80PSF

DESCRIPTION: DORMA 9400/F9400 Surface Vertical Rod Exit Device
16 GA. Full Glass Door(s)



SCALE: NONE DRAWN BY: TA DATE: 8/10/04 CHKD BY: DC DATE: 6-24-11

GENERAL NOTES

- LIMITATIONS:**
- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
 - Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
 - Steel reinforcement required as indicated on detail drawings.
 - Electrical devices are not part of this approval, and must be reviewed by the corresponding authority. Certification: Underwriter's Laboratories - UL10C, UBC 7-2 (1997) ANSI/BHMA A156.3 Grade 1 Exit Device 3/4" Minimum latchbolt throw top & bottom. All reinforcements to be spot welded or better by door manufacturer. Frame: Steel 16ga Min. (.060 min.) Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel. Lock Stile/ Hinge Stile reinforced with 12ga steel box channel full length. Strike/Hinge locations reinforced with 7ga steel plate. All dimensions in accordance with manufacturer's standard installation instructions. Exit device Model DORMA 9400 Series Surface Vertical Rod Exit Device. Outside trim may be one of the following prefix designations: NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims. Thru bolts must be used on all installations as shown. Interlocking strike angle must be installed on all installations as shown. Quantities double for the opposite doors.

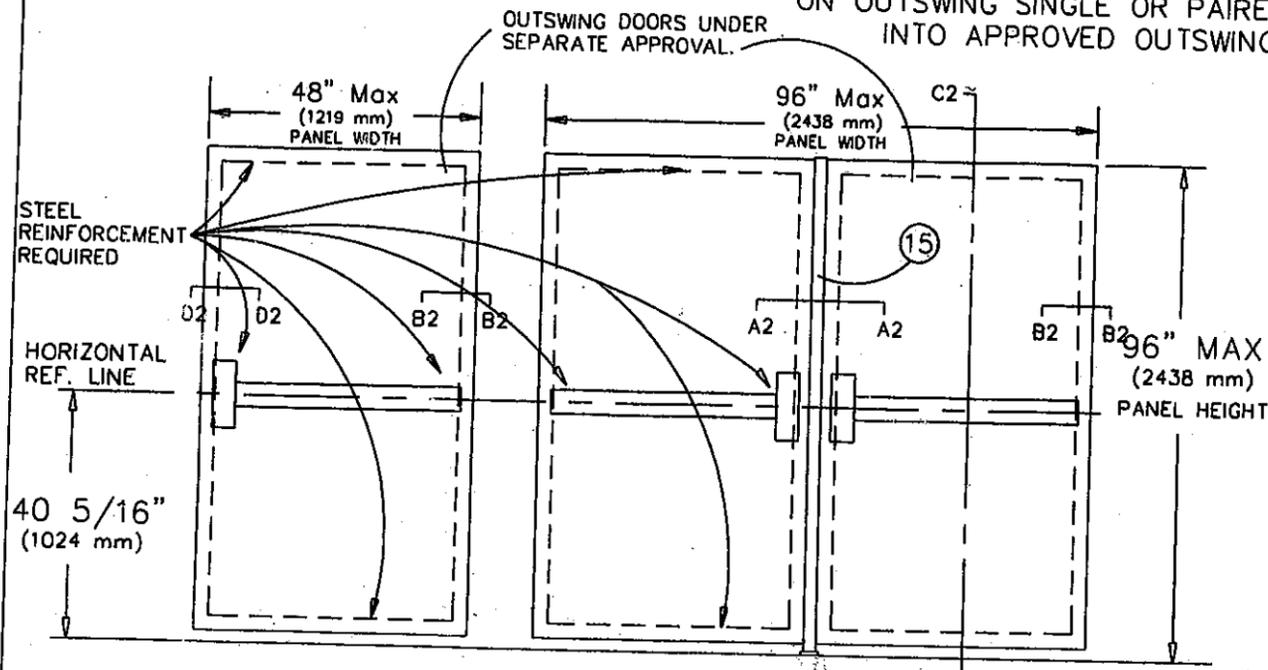
Allen N. Reeves, P.E.
Structural Engineer
Florida License No. 19354

Allen N. Reeves
30 JUNE 2011

Rev.	Print	NO.	BY	DATE
1	TA	6-23-11		
2	TA	12-12-07		
3	TA	7-26-07		
4	TA	7-6-07		
5	TA	6-11-07		
6	EW	3-27-06		
7	EW	2-2-06		
8	TA	7-6-05		
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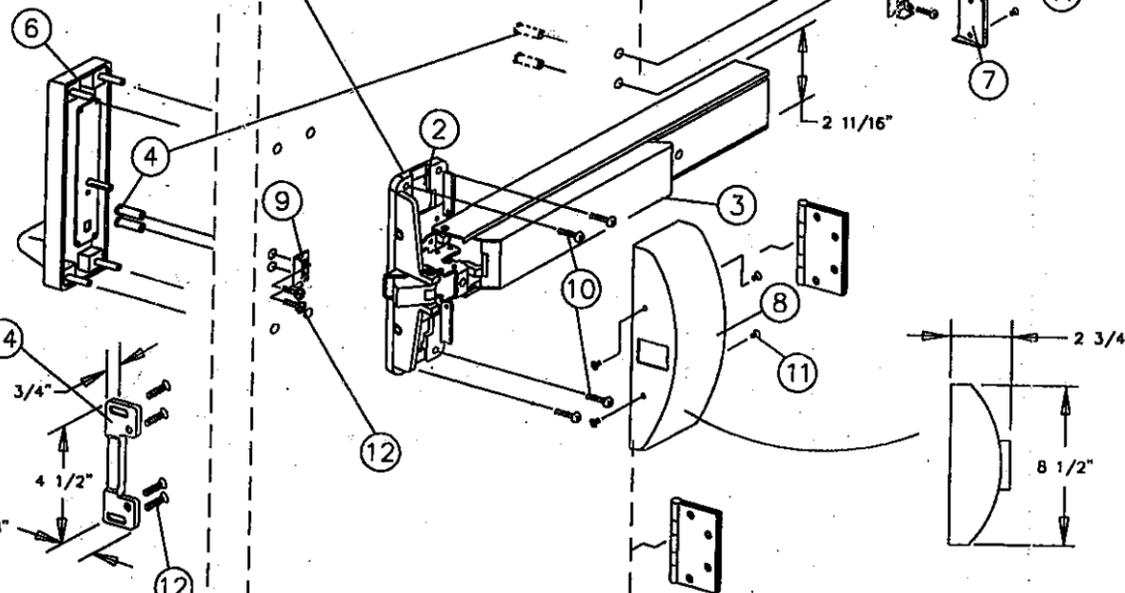
DWG. 3 OF 6
9000-003 DADE

DORMA 9300/F9300 SERIES RIM DEVICE INSTALLATION FOR HURRICANE CODE ON OUTSWING SINGLE OR PAIRED WITH DORMA HC1300 MULLION APPLICATION INTO APPROVED OUTSWING FLUSH DOORS HAVING CURRENT NOA.



OUTSWING DOORS UNDER SEPARATE APPROVAL.

NOTE: Chassis may be either 9300 or F9300 "F" prefix denotes fire rated chassis assembly.



Gen. Note:
1. These devices comply with current FBC requirements.
2. Compliance to requirements must be reviewed by building official.

NOTE: FOR ALL SECTION DETAILS SEE DRAWING SHEET 5 OF 6 W/ DORMA HC1300 STEEL MULLION

GENERAL NOTES

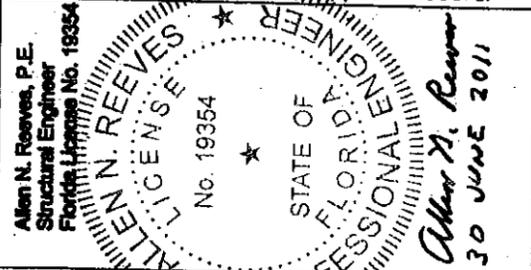
- LIMITATIONS:
- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
 - Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
 - Steel reinforcement required as indicated on detail drawings.
 - Electrical devices are not part of this approval, and must be reviewed by the corresponding authority.

Certification:
Underwriter's Laboratories - UL10C, UBC 7-2 (1997)
ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw
All reinforcements to be spot welded or better by door manufacturer.

Frame: Steel 16ga Min. (.060 min.)
Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel.
Lock Stile/Hinge locations reinforced with 12ga steel box channel full length.
Strike/Hinge locations reinforced with 7ga Steel plate.

All dimensions in accordance with manufacturer's standard installation instructions.
Exit device Model DORMA 9300 Series Rim Outside trim may be one of the following prefix designations:
NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims.

Thru bolts must be used on all installations as shown.
Interlocking strike angle must be installed on all installations as shown.
Quantities double for opposite doors.



SERIES DORMA 9300/F9300 RIM PANIC W/ DORMA HC1300 MULLION

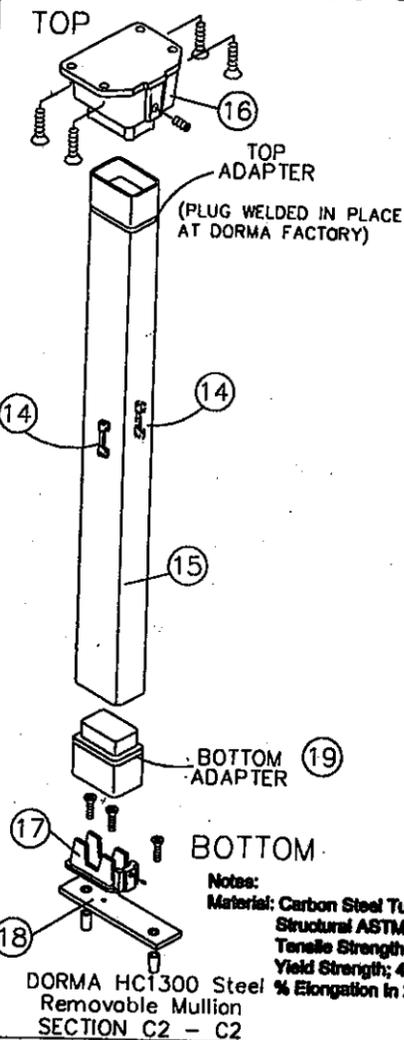
BILL OF MATERIAL (Per Panel)			
ITEM	DESCRIPTION	PART NUMBER	QTY.
1	APPROVED DOOR & FRAME	Under Separate NOA	1
2	DORMA 9300 CHASSIS ASSY	SEE NOTES	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		4
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE		1
10	12-24 R.H.P.M.S.		8
11	8-32 F.H.P.M.S.		6
12	12-24 F.H.P.M.S.		6
13	HINGE (STEEL)	Per NOA	4
14	#463 STRIKE	SEE NOTES	1
15	Removable Steel Mullion	DORMA HC1300	1
16	Mullion Top Fitting		1
17	Mullion Bottom Fitting		1
18	Mounting Plate	Steel	1
19	Bottom Adaptor	Steel	1

CHASSIS ASSEMBLY MATERIAL: INVESTMENT CAST 1020 STEEL,
BOLT 304 STAINLESS
STRIKE MATERIAL: 701 SANDCAST MALLEABLE IRON FERRATIC GRADE J2510

Series DORMA 9300/F9300 Rim Exit Device for Single or Pairs When Used With DORMA HC1300 Mullion 96" x 96" Maximum Opening

Design Pressure Rating	
POSITIVE	80 PSF
NEGATIVE	80 PSF
IMPACT RATING	
LARGE AND SMALL MISSILE IMPACT RESISTANT	

- Thru Bolt
- R.H.P.M.S. — Round Head Phillips Machine Screw
- F.H.P.M.S. — Flat Head Phillips Machine Screw
- D.H.P.M.S. — Oval Head Phillips Machine Screw
- F.H.P.U.C.M.S. — Flat Head Phillips Undercut Machine Screw
- T.H.P.U.C.M.S. — Flat Head Phillips Undercut Machine Screw



Notes:
Material: Carbon Steel Tubing 2 x 3 x 1/8" Wall Structural ASTM A500-Grade B
Tensile Strength; 68000 psi.
Yield Strength; 48000 psi.
% Elongation in 2 inches; 23

DORMA HC1300 Steel Removable Mullion SECTION C2 - C2

DESCRIPTION: DORMA 9300/F9300 Rim Device 16 ga. Frame and 16 ga. Door



DORMA DOOR CONTROLS INC
1003 W. BROADWAY
STEELEVILLE, ILLINOIS 62288

SCALE: NONE DRAWN BY: TA DATE: 12-15-06 CHKD BY: DC DATE: 6-24-11

REV.	NO.	BY	DATE
Rev. Print	1	TA	6-23-11
Rev. Print	2	TA	12-12-07
Rev. Print	4	TA	7-27-07
Rev. Print	3	TA	7-5-07
Rev. Print	2	TA	6-11-07
Correct Print	1	TA	6-3-07

DWG. 4 OF 6
DWG. NO. 9000-003 DADE

DORMA 9300/F9300 SERIES RIM DEVICE INSTALLATION FOR HURRICANE CODE ON OUTSWING SINGLE OR PAIRED WITH DORMA HC1300 MULLION APPLICATION INTO APPROVED OUTSWING FLUSH DOORS HAVING CURRENT NOA.

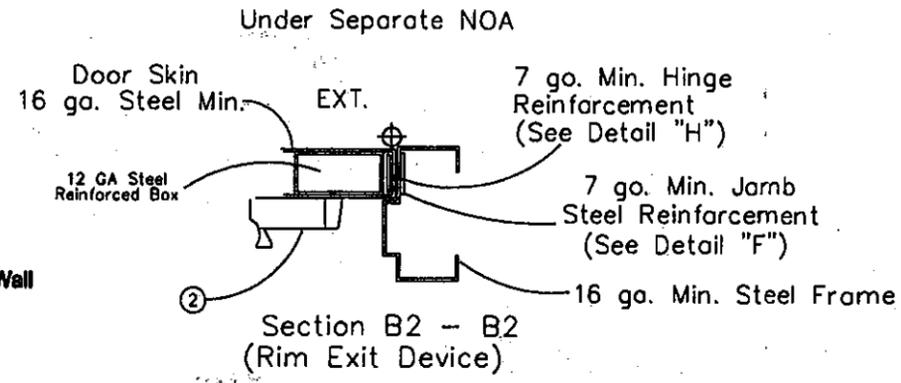
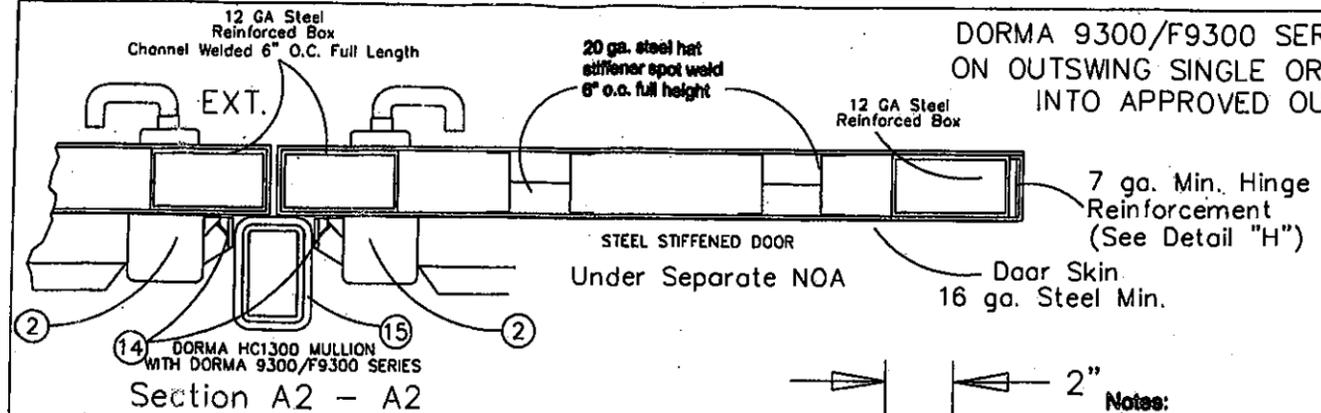
GENERAL NOTES

- LIMITATIONS:
- Each device is approved to be used as equal alternate to corresponding lack approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
 - Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
 - Steel reinforcement required as indicated on detail drawings.
 - Electrical devices are not part of this approval, and must be reviewed by the corresponding authority.

Certification:
Underwriter's Laboratories - UL10C, UBC 7-2 (1997)
ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw
All reinforcements to be spot welded or better by door manufacturer.

From: Steel 16ga Min. (.060 min.)
Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel.
Lack Stile/Hinge locations reinforced with 12ga steel box channel full length.
Strike/Hinge locations reinforced with 7go Steel plate.

All dimensions in accordance with manufacturer's standard installation instructions.
Exit device Model DORMA 9300 Series Rim Outside trim may be one of the following prefix designations:
NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims.
Thru bolts must be used on all installations as shown.
Interlocking strike angle must be installed on all installations as shown.
Quantities double for the opposite doors.

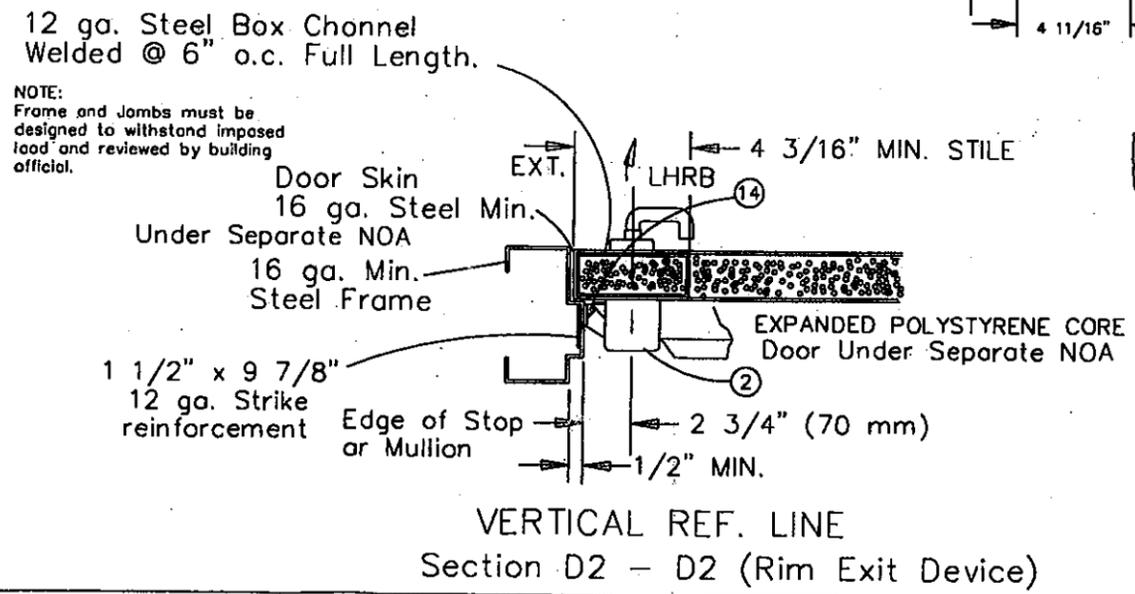
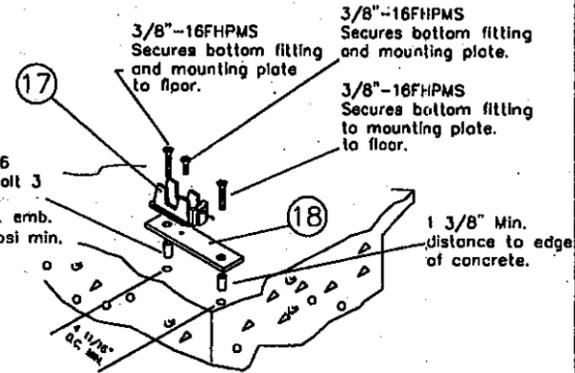
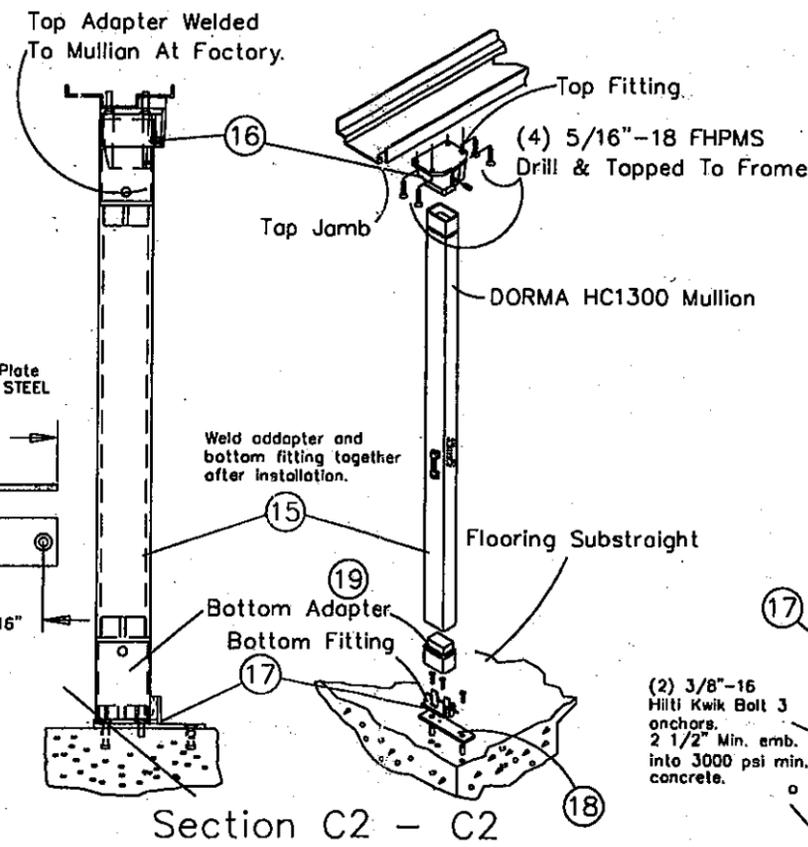
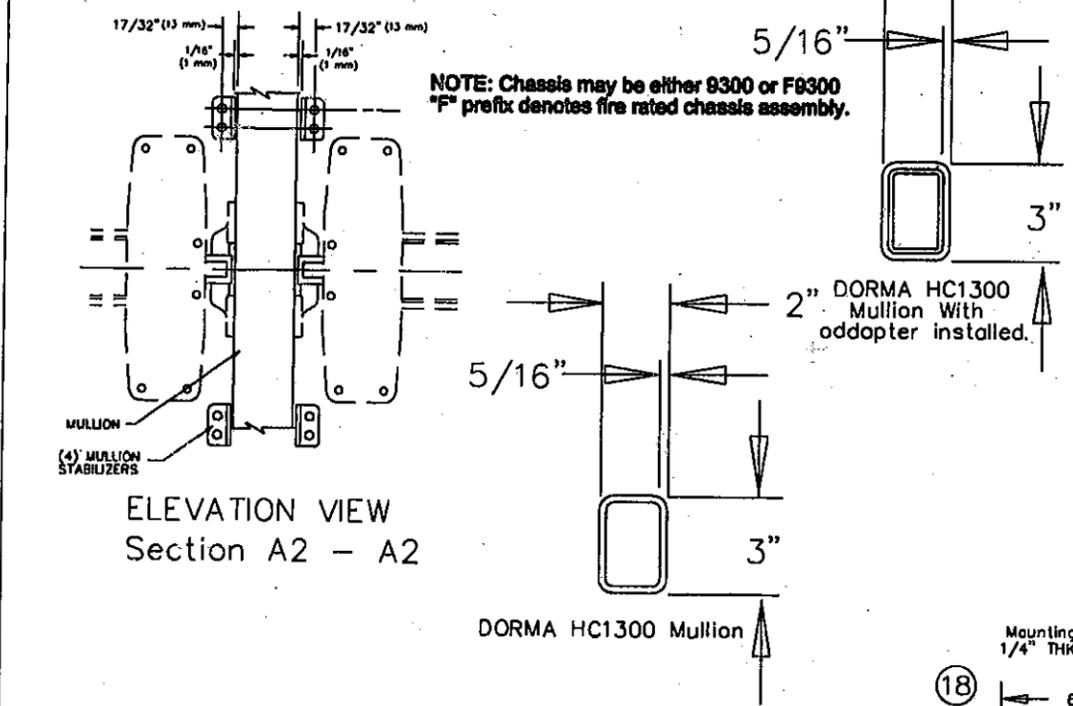


Notes:
Material: Carbon Steel Tubing 2 x 3 x 1/4 Wall
Structural ASTM A500-Grade B
Tensile Strength; 58000 psi.
Yield Strength; 46000 psi.
% Elongation In 2 Inches; 23

Series DORMA 9300/F9300 Rim Exit Device for Single or Pairs When Used With DORMA HC1300 Mullion 96" x 96" Maximum Opening

Design Pressure Rating	
POSITIVE	80 PSF
NEGATIVE	80 PSF
IMPACT RATING	
LARGE AND SMALL MISSILE IMPACT RESISTANT	

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 11-0604-02
Expiration Date MAY 19, 2016
By [Signature]
Special from Product Council



DESCRIPTION: DORMA 9300/F9300 Rim Exit Device
16 ga. steel door and frame



DORMA DOOR CONTROLS INC
1003 W. BROADWAY
STEELEVILLE, ILLINOIS 62288

SCALE: NONE DRAWN BY: TA DATE: 12/15/06 CHKD BY: DC DATE: 6-23-11

Allen N. Reeves, P.E.
Structural Engineer
Florida License No. 19354

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Update Print 6 TA 6-23-11
Update Print 5 TA 3/21/11
Update Print 4 TA 12/12/07
Update Print 3 TA 7/26/07
Update Print 2 TA 7/5/07
Update Print 1 TA 6-11-07

REVISIONS NO. BY DATE

DWG. 5 OF 6

DWG. NO. 9000-003 DADE

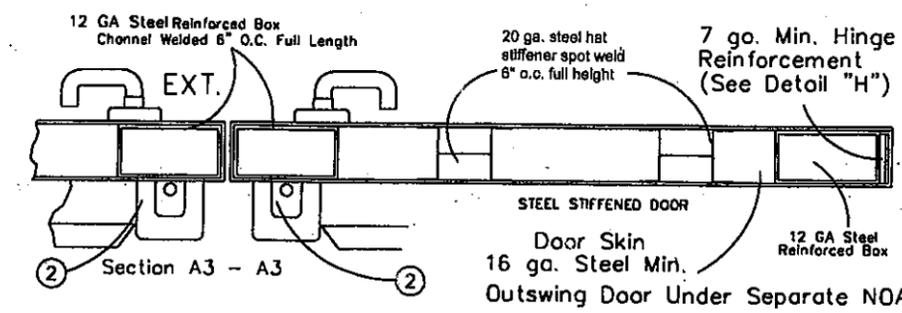
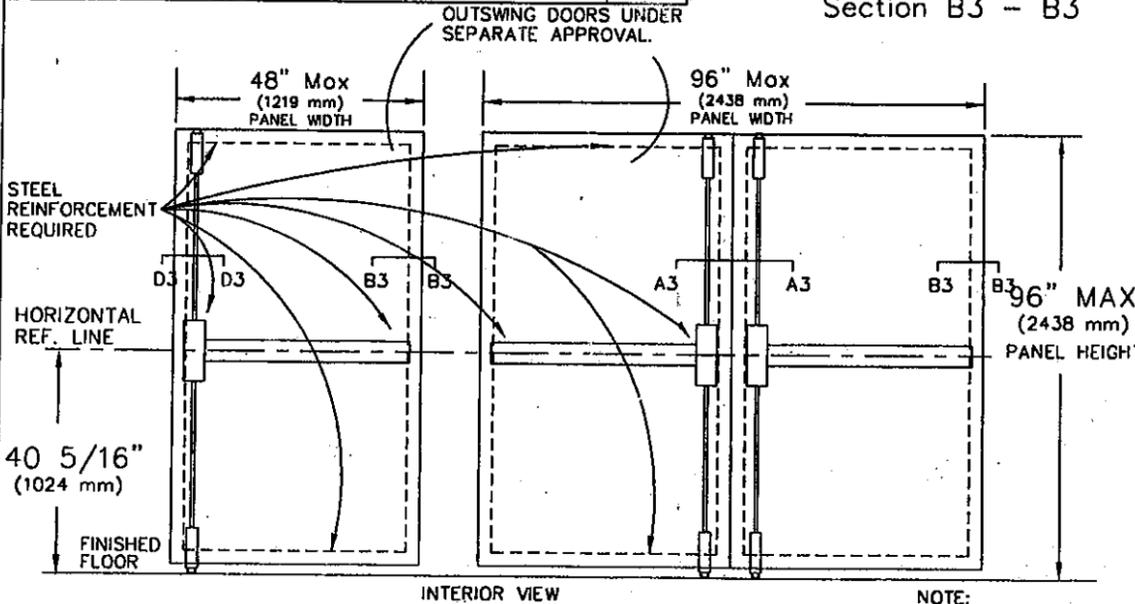
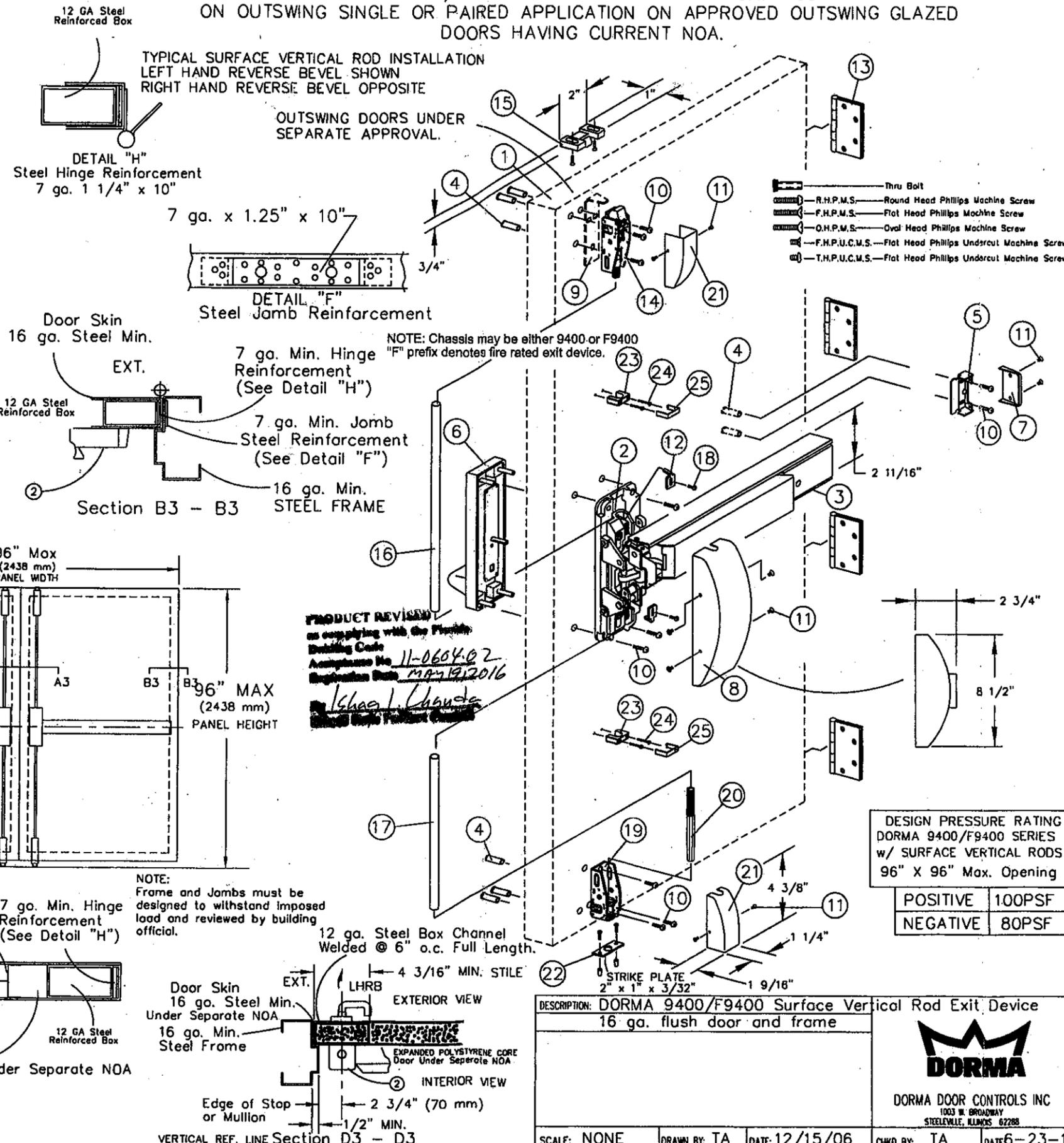
DORMA 9400/F9400 SURFACE VERTICAL ROD EXIT DEVICE
BILL OF MATERIAL (Per Panel)

ITEM	DESCRIPTION	PART NUMBER	QTY.
1	APPROVED DOOR & FRAME	Under Separate NOA	1
2	DORMA 9400 CHASSIS ASSY.	ALUMINUM	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		8
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE	STAINLESS STEEL	1
10	12-24 R.H.P.M.S.		12
11	8-32 F.H.P.M.S.		10
12	ROD RETAINING PLATE		2
13	HINGES	PER NOA	4
14	TOP LATCH ASSEMBLY	STEEL	1
15	#426 TOP STRIKE PACK	SANDCAST GRAY IRON CLASS 20	1
16	TOP CONNECTING ROD	1/2" O.D. STAINLESS TUBING	1
17	BOTTOM CONNECTING ROD	1/2" O.D. STAINLESS TUBING	1
18	8-32 x 3/4" R.H.P.M.S.		2
19	BOTTOM LATCH BRACKET		1
20	SLIDE BOLT ASSEMBLY	STEEL	1
21	LATCH COVER		2
22	#340 BOTTOM STRIKE PACK	STEEL	8
23	ROD GUIDE		2
24	#6 x 1 1/4" F.H.P.T.S.		4
25	ROD GUIDE COVER		2

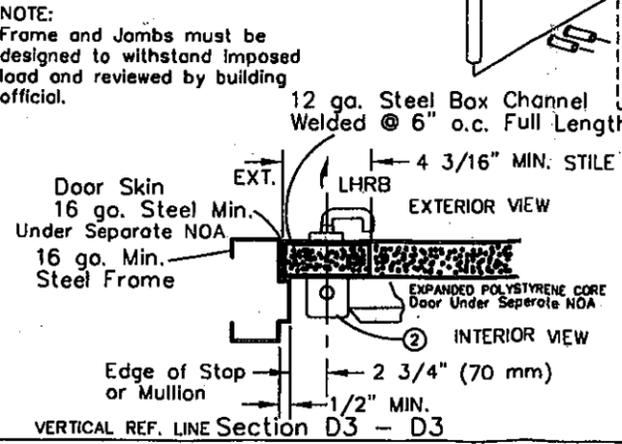
DORMA 9400/F9400 SERIES SURFACE VERTICAL ROD ON OUTSWING SINGLE OR PAIRED APPLICATION ON APPROVED OUTSWING GLAZED DOORS HAVING CURRENT NOA.

GENERAL NOTES

- LIMITATIONS:**
- Each device is approved to be used as equal alternate to corresponding lock approved to be used in applicable 16 ga. (.060 min.) frame & outswing 16 ga. (.060 min.) commercial steel door holding current NOA. Lowest Design Pressure Rating shall apply.
 - Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
 - Steel reinforcement required as indicated on detail drawings.
 - Electrical devices are not part of this approval, and must be reviewed by the corresponding authority. Certification: Underwriter's Laboratories - UL10C, UBC 7-2 (1997) ANSI/BHMA A156.3 Grade 1 Exit Device 3/4" Minimum latchbolt throw top & bottom. All reinforcements to be spot welded or better by door manufacturer. Frame: Steel 16ga Min. (.060 min.) Door: Steel 16ga Min. (.060 min.) Top & bottom rails- reinforced w/ full length 16 ga. (.060 min.) Steel Channel. Lock Stile/Hinge locations reinforced with 12ga steel box channel full length. Strike/Hinge locations reinforced with 7ga Steel plate. All dimensions in accordance with manufacturer's standard installation instructions. Exit device Model DORMA 9400 Surface Vertical Rod Exit Device. Outside trim may be one of the following prefix designations: NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims. Thru bolts must be used on all installations as shown. Interlocking strike angle must be installed on all installations as shown. Quantities double for the opposite doors.



DORMA 9400 x DORMA 9400 Series Surface Vertical Rod Exit Device



DESCRIPTION: DORMA 9400/F9400 Surface Vertical Rod Exit Device
16 ga. flush door and frame

DESIGN PRESSURE RATING
DORMA 9400/F9400 SERIES
w/ SURFACE VERTICAL RODS
96" X 96" Max. Opening

POSITIVE	100PSF
NEGATIVE	80PSF



PRODUCT REVISION
in compliance with the Florida
Building Code
Amendment No. 11-0604-02
Implementation Date: MAY 19, 2016
Shaggy Chaudhary
Structural Engineer

Allen N. Reeves, P.E.
Structural Engineer
Florida License No. 19354

ALLEN N. REEVES
No. 19354
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Allen N. Reeves
30 June 2011

Rev. Print TA 6-23-11

Rev. Print	4	TA	12-12-07
Rev. Print	3	TA	7-26-07
Rev. Print	2	TA	7-5-07
Rev. Print	1	TA	6-11-07
REVISIONS	NO.	BY	DATE