

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.

GENERAL NOTES

- LIMITATIONS:
1. Device complies with FBC 2017 (6th Edition) and has been tested to TAS 201-94, 202-94 and 203-94.
 2. 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.
 3. Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
 4. Steel reinforcement required as indicated on detail drawings.
 5. 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 Stile reinforced with 12ga steel box channel full length.
Strike/Hinge locations reinforced with 7ga steel plate.

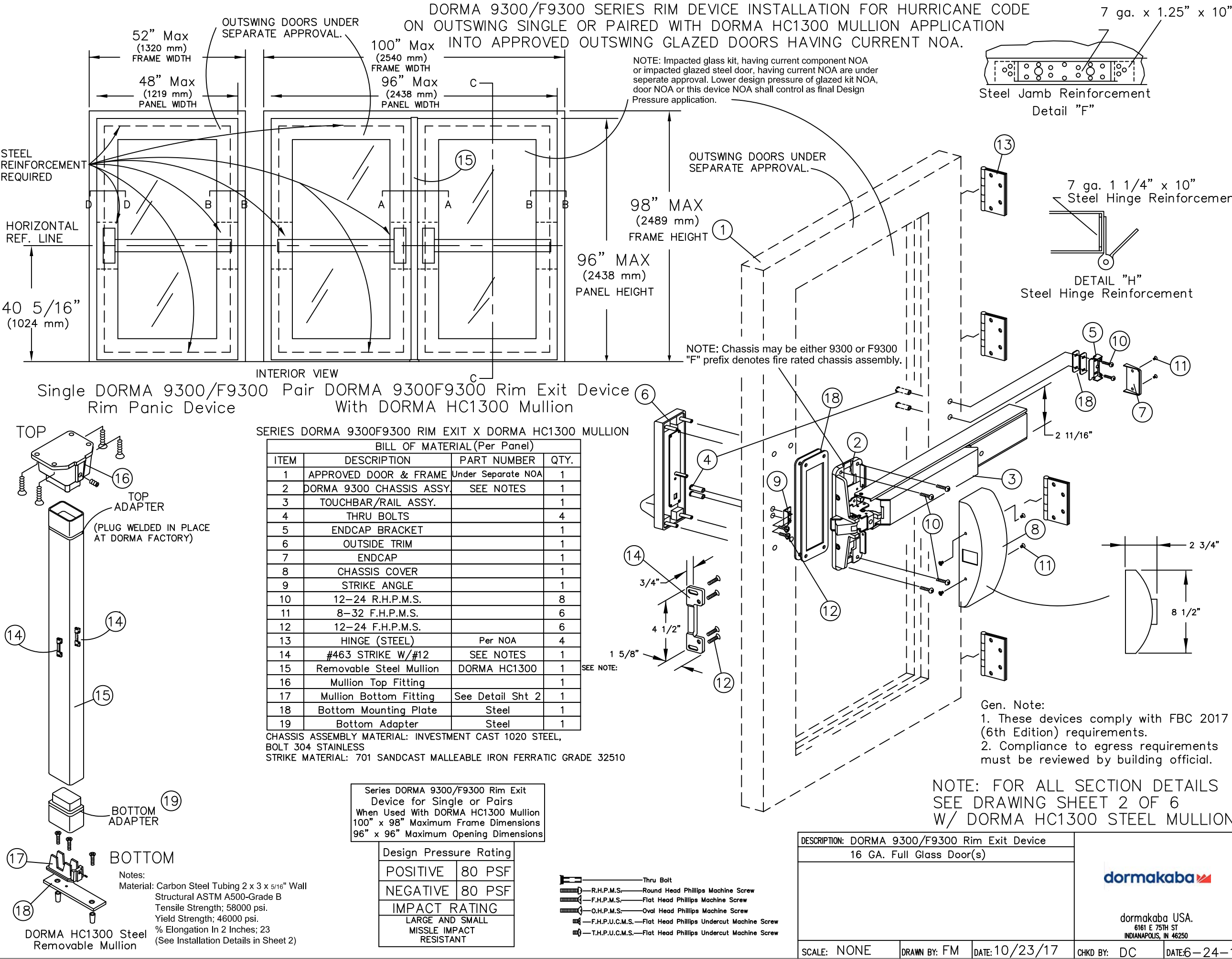
All dimensions in accordance with manufacturer's standard installation instructions.
Exit device Model DORMA 9300 Series Rim
Outside trim may be one of the following prefix designations:
NPT series, HRT series, HTT series, PRT series, PTT series, V series or Y series trims.
Thru bolts must be used on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

Building Drops, Inc.
398 E. Dania Beach Blvd.
Dania Beach, FL 33004
FBPE Cert. of Authorization No. 29578

Hermes F. Norero, P.E.
Florida P.E. No. 73778

6th Edition FBC Update	11/10	10-23-17
5th Edition FBC Update	7/10	6-16-15
Rev. Print	9	6-23-11
Rev. Print	8	12-03-07
Rev. Print	7	7-26-07
Rev. Print	6	7-6-07
Rev. Print	5	6-11-07
Rev. Print	4	3-27-06
Rev. Print	3	2-2-06
Rev. Print	2	7-6-05
REVISIONS	NO.	BY DATE

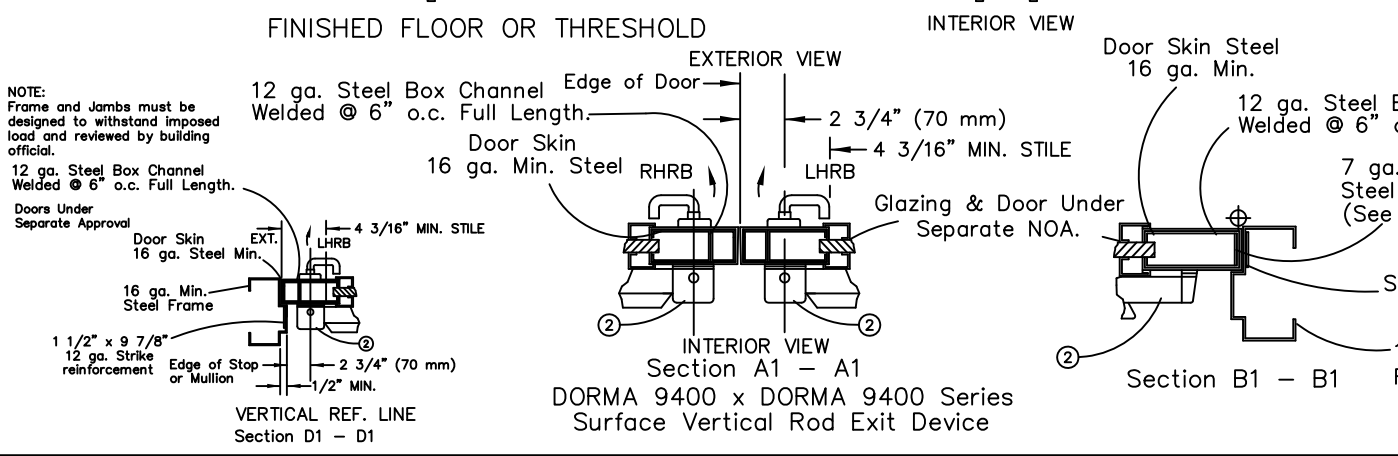
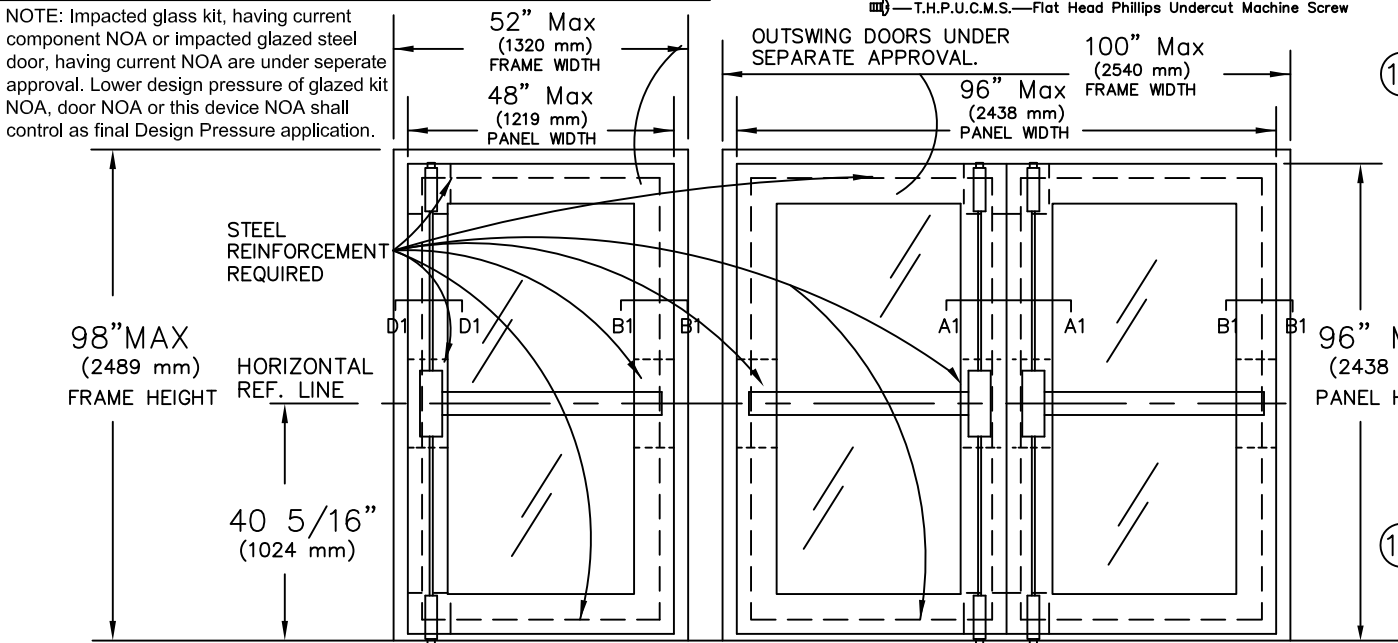
DWG. 1 OF 6
9000-003



DORMA 9400/F9400 SURFACE VERTICAL ROD EXIT DEVICE

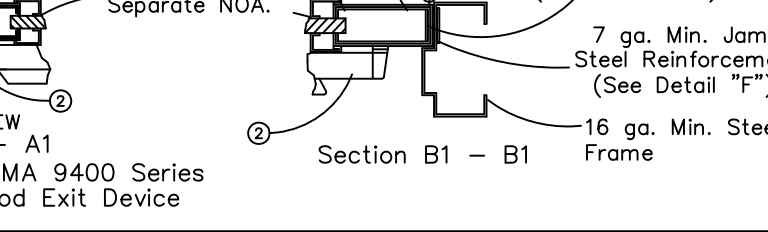
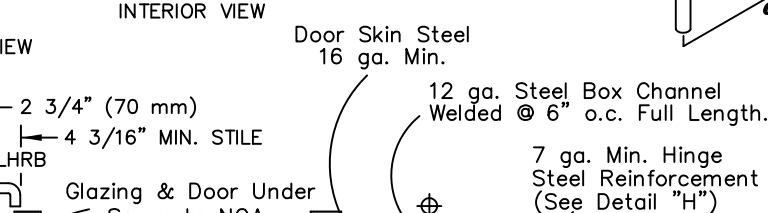
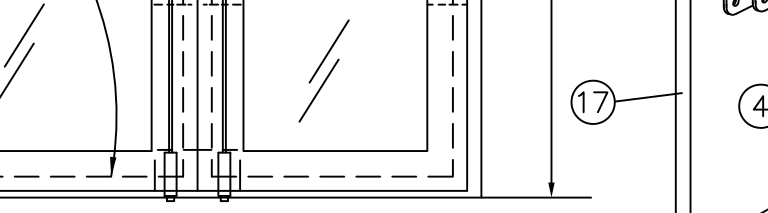
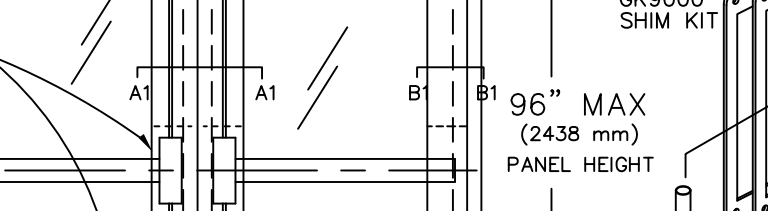
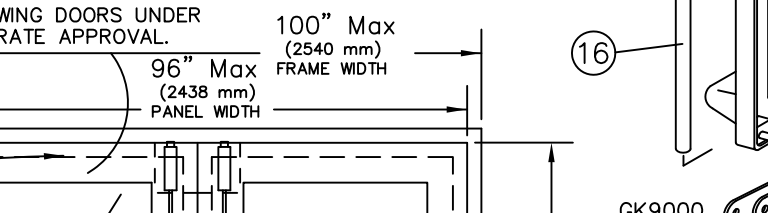
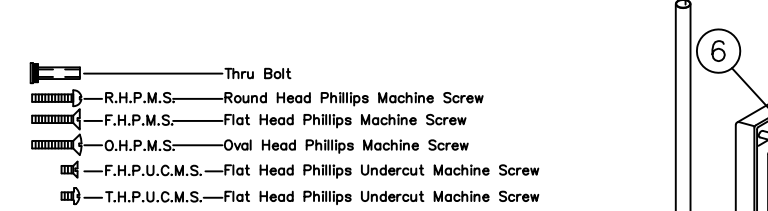
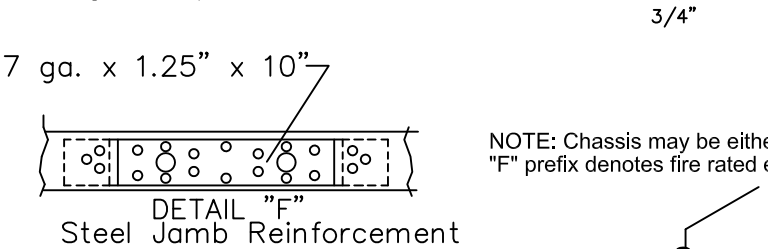
BILL OF MATERIAL (Per Panel)			
ITEM	DESCRIPTION	PART NUMBER	QTY.
1	APPROVED DOOR & FRAME	Under Separate NOA	1
2	DORMA 9400 CHASSIS ASSY.	ALUMINUM	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		8
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE	STAINLESS STEEL	1
10	12-24 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 W/ #26	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 PLATE	STEEL	8
23	ROD GUIDE		2
24	#6 x 1 1/4" F.H.P.T.S.		4
25	ROD GUIDE COVER		2
26	#12-24 x 3/4" OHPMS		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.

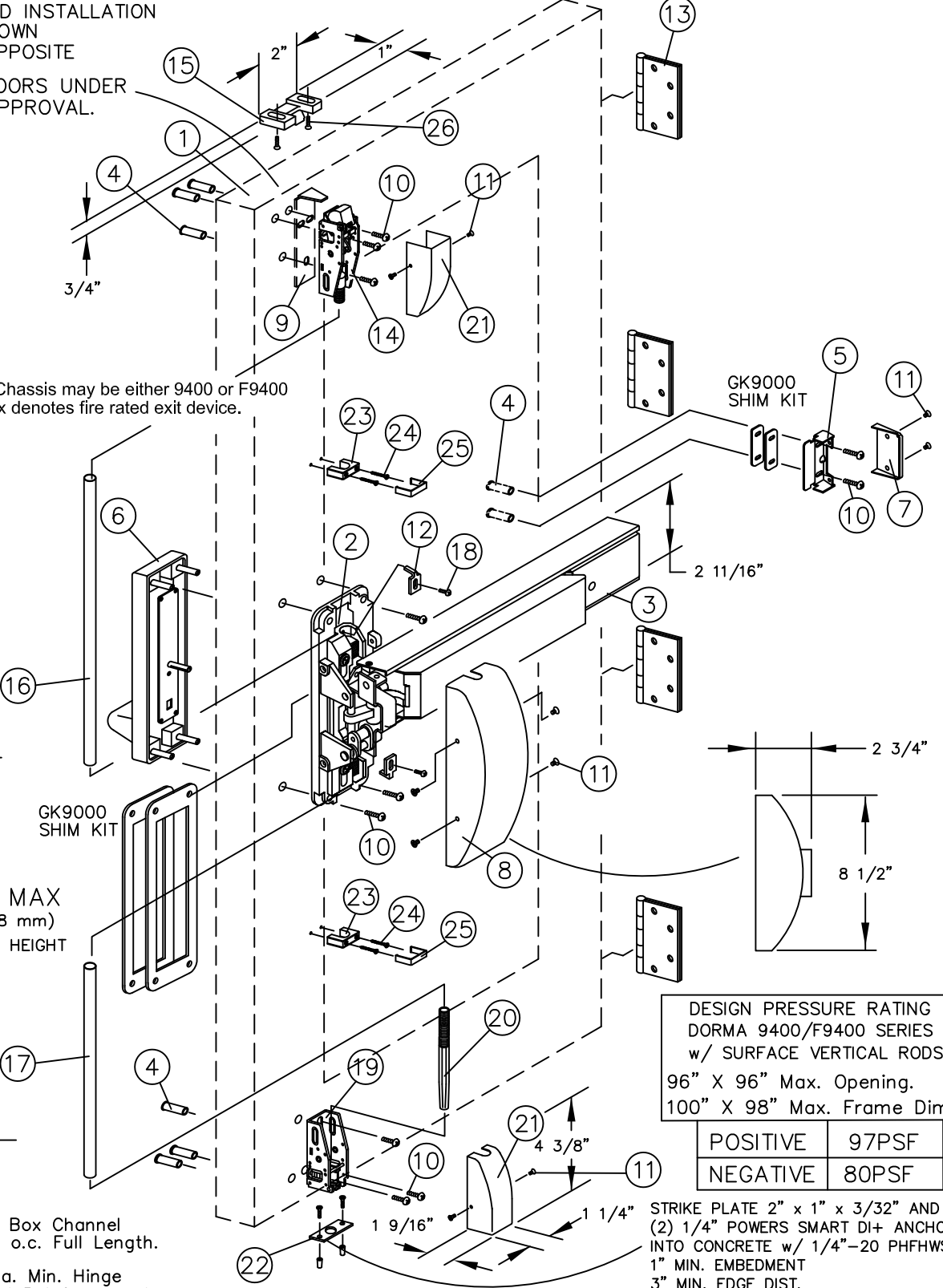


DORMA 9400/F9400 SERIES SURFACE VERTICAL ROD ON OUTSWING SINGLE OR PAIRED APPLICATION ON APPROVED OUTSWING GLAZED DOORS HAVING CURRENT NOA.

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



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



DESIGN PRESSURE RATING	
DORMA 9400/F9400 SERIES w/ SURFACE VERTICAL RODS	
96" X 96" Max. Opening.	
100" X 98" Max. Frame Dim.	
POSITIVE	97PSF
NEGATIVE	80PSF

STRIKE PLATE 2" x 1" x 3/32" AND (2) 1/4" POWERS SMART DI+ ANCHOR INTO CONCRETE w/ 1/4"-20 PHFWS 1" MIN. EMBEDMENT 3" MIN. EDGE DIST.	
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DESCRIPTION: DORMA 9400/F9400 Surface Vertical Rod Exit Device 16 GA. Full Glass Door(s)	
SCALE: NONE	DRAWN BY: FM
DATE: 10/23/17	CHKD BY: DC
DATE: 6-24-11	

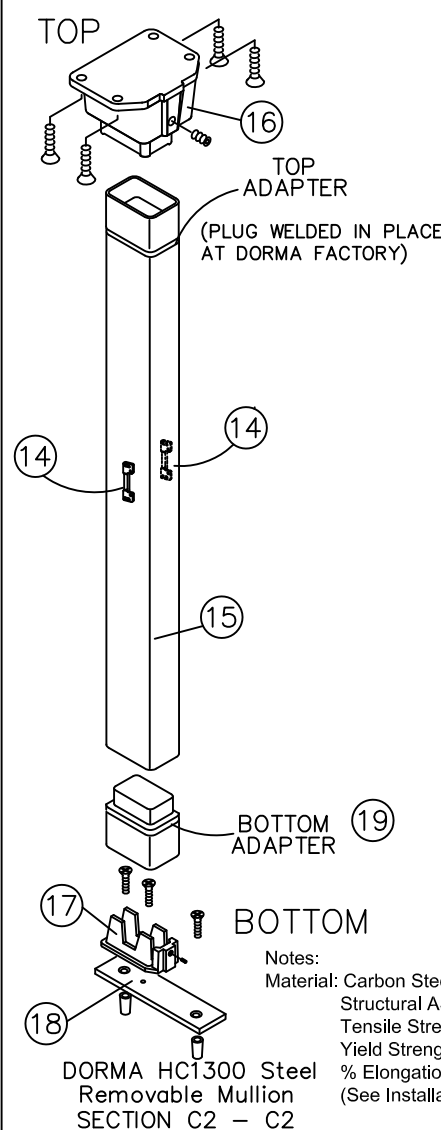
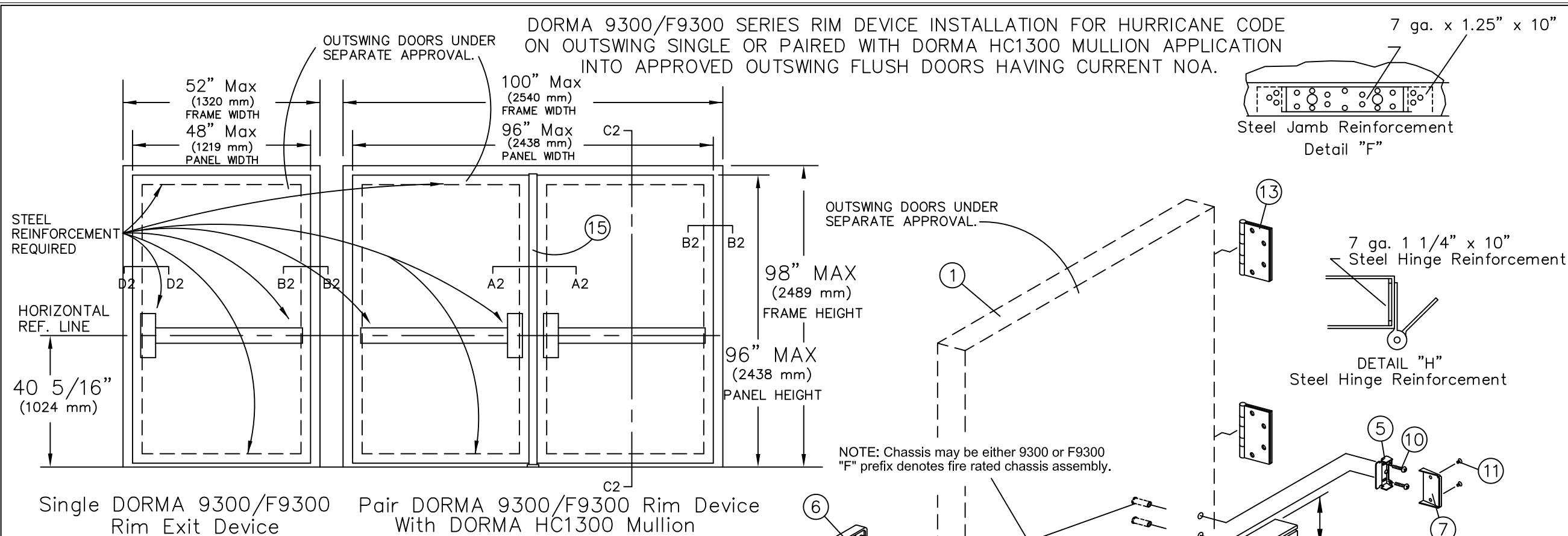
GENERAL NOTES

- LIMITATIONS:
1. Device complies with FBC 2017 (6th Edition) and has been tested to TAS 201-94, 202-94 and 203-94.
 2. 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.
 3. Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
 4. Steel reinforcement required as indicated on detail drawings.
 5. 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.

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FBPE Cert. of Authorization No. 29578



6th Edition FBC Update	11/1/17	10-23-17
5th Edition FBC Update	11/1/17	6-16-15
Rev. Print	9	6-23-11
Rev. Print	8	12-12-07
Rev. Print	7	7-26-07
Rev. Print	6	7-6-07
Rev. Print	5	6-11-07
Rev. Print	4	3-27-06
Rev. Print	3	2-2-06
Rev. Print	2	7-6-05
REVISIONS	NO.	BY DATE
DWG. 3 OF 6		
DWG. NO.		9000-003



Pair DORMA 9300/F9300 Rim Device With DORMA HC1300 Mullion

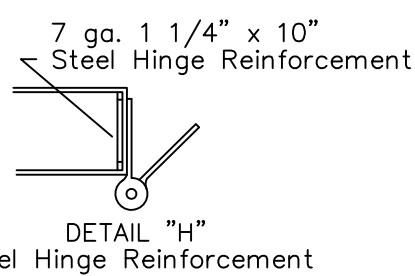
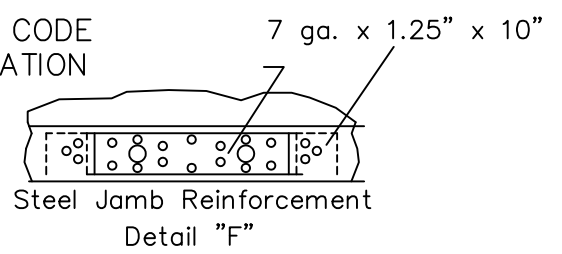
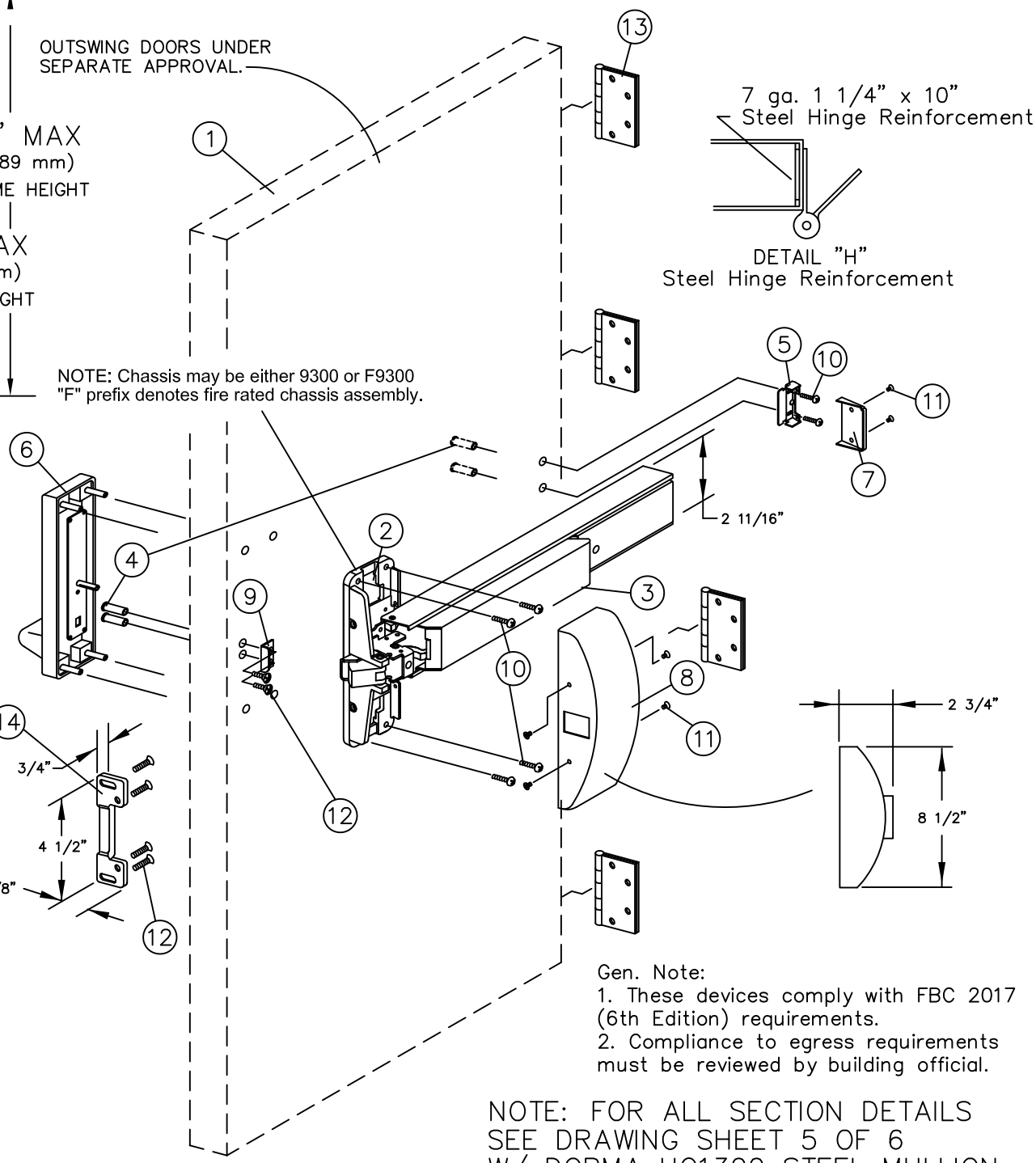
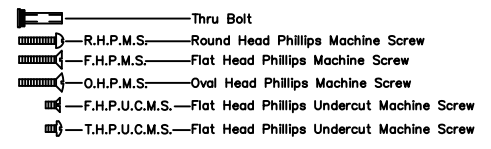
SERIES DORMA 9300/F9300 RIM PANIC W/ DORMA HC1300 MULLION

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 W/#12	SEE NOTES	1
15	Removable Steel Mullion	DORMA HC1300	1
16	Mullion Top Fitting		1
17	Mullion Bottom Fitting		1
18	BOTTOM Mounting Plate	Steel (SEE SHT 5)	1
19	Bottom Adaptor	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 100" x 98" Maximum Frame Dimensions

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



GENERAL NOTES

LIMITATIONS:

- Device complies with FBC 2017 (6th Edition) and has been tested to TAS 201-94, 202-94 and 203-94.
- 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 the opposite doors.

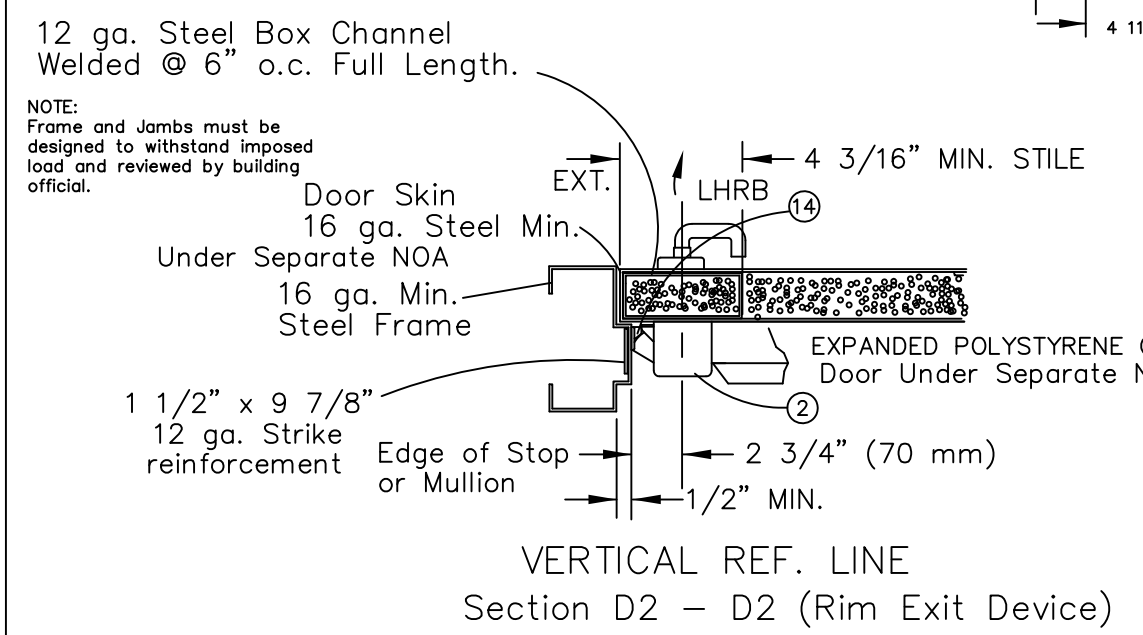
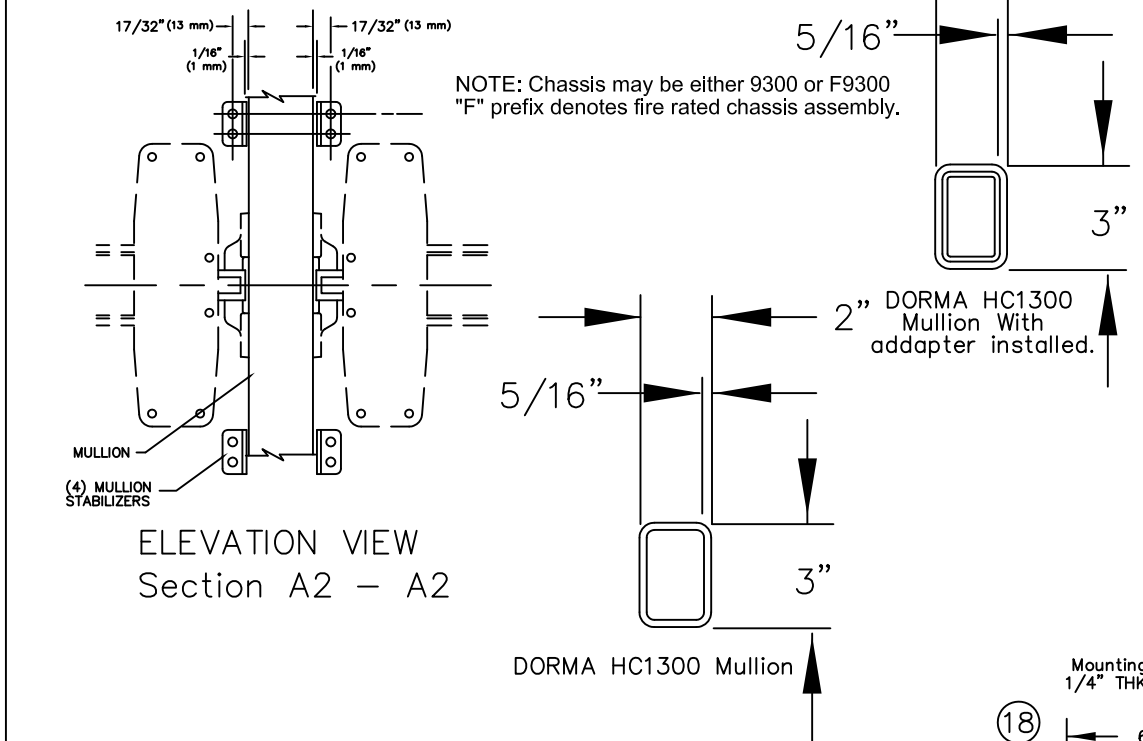
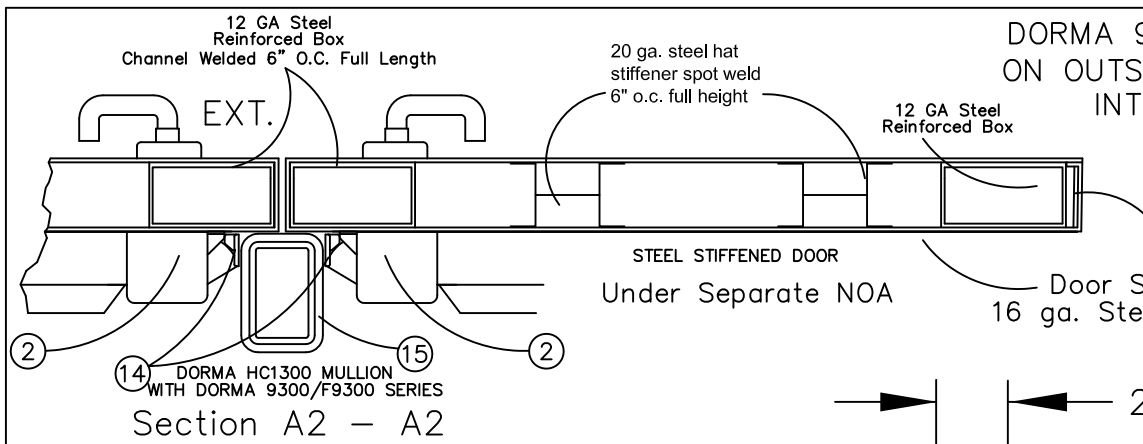
Building Drops, Inc.
398 E. Dania Beach Blvd.
Dania Beach, FL 33004
FBPE Cert. of Authorization No: 29578

Hermes F. Noreno, P.E.
Florida PE No. 79778

6th Edition FBC Update	8-18-FM	10-23-17	
5th Edition FBC Update	10-16-15	6-16-15	
Rev. Print	6-TA	6-23-11	
Rev. Print	5-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	
REVISIONS	NO.	BY	DATE

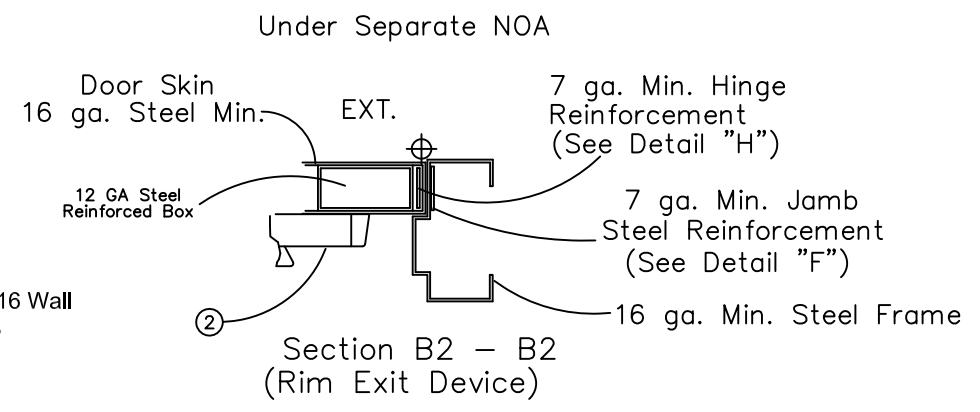
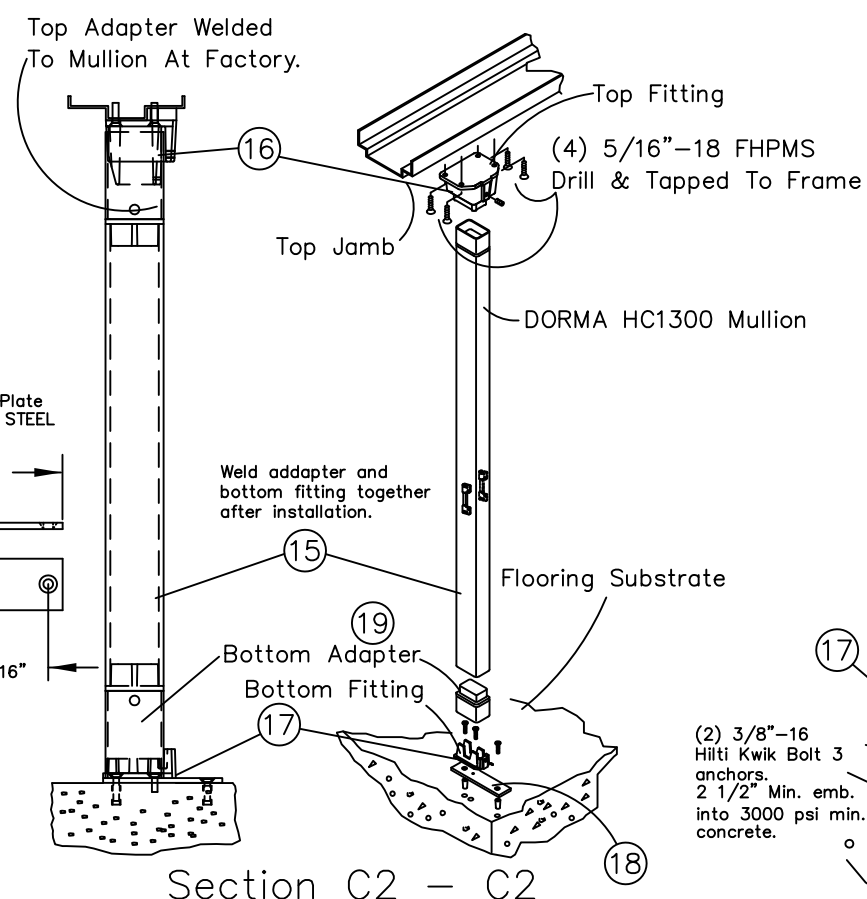
DWG. 4 OF 6

9000-003



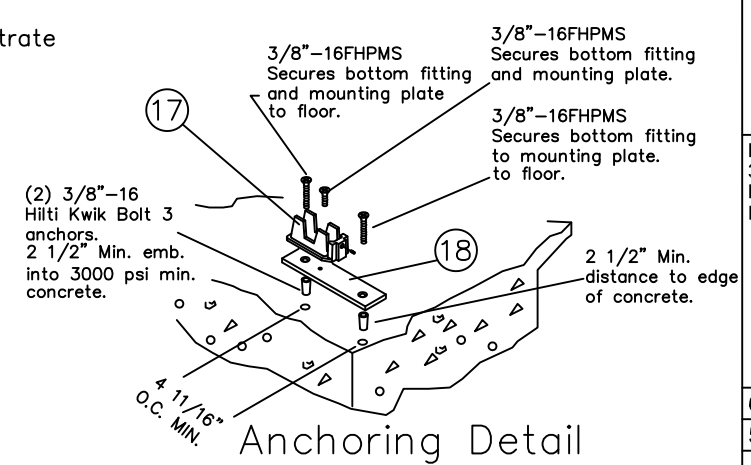
DORMA 9300/F9300 SERIES RIM DEVICE INSTALLATION FOR HURRICANE CODE ON OUTSWING SINGLE OR PAIRED WITH DORMA HC1300 MULLION APPLICATION INTO APPROVED OUTSWING FLUSH DOORS HAVING CURRENT NOA.

Notes:
Material: Carbon Steel Tubing 2 x 3 x 5/16 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 100" x 98" Maximum Frame Dimensions

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



DESCRIPTION: DORMA 9300/F9300 Rim Exit Device	
16 ga. steel door and frame	
dormakaba USA. 6161 E 75TH ST INDIANAPOLIS, IN 46250	
SCALE: NONE	DRAWN BY: FM
DATE: 10/23/17	CHKD BY: DC
DATE: 6-23-11	DWG. NO. 9000-003

GENERAL NOTES

- LIMITATIONS:
1. Device complies with FBC 2017 (6th Edition) and has been tested to TAS 201-94, 202-94 and 203-94.
 2. 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.
 3. Device shall be installed on a 16 ga. commercial steel door no larger than approved drawings as shown.
 4. Steel reinforcement required as indicated on detail drawings.
 5. 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 the opposite doors.

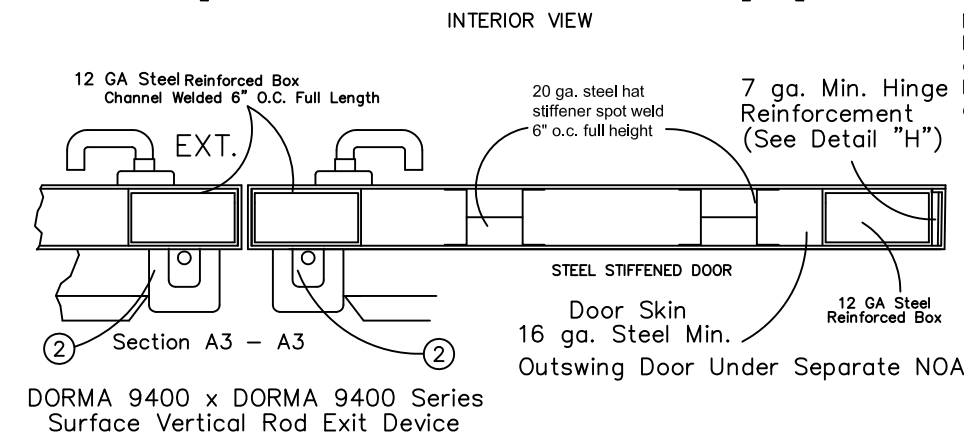
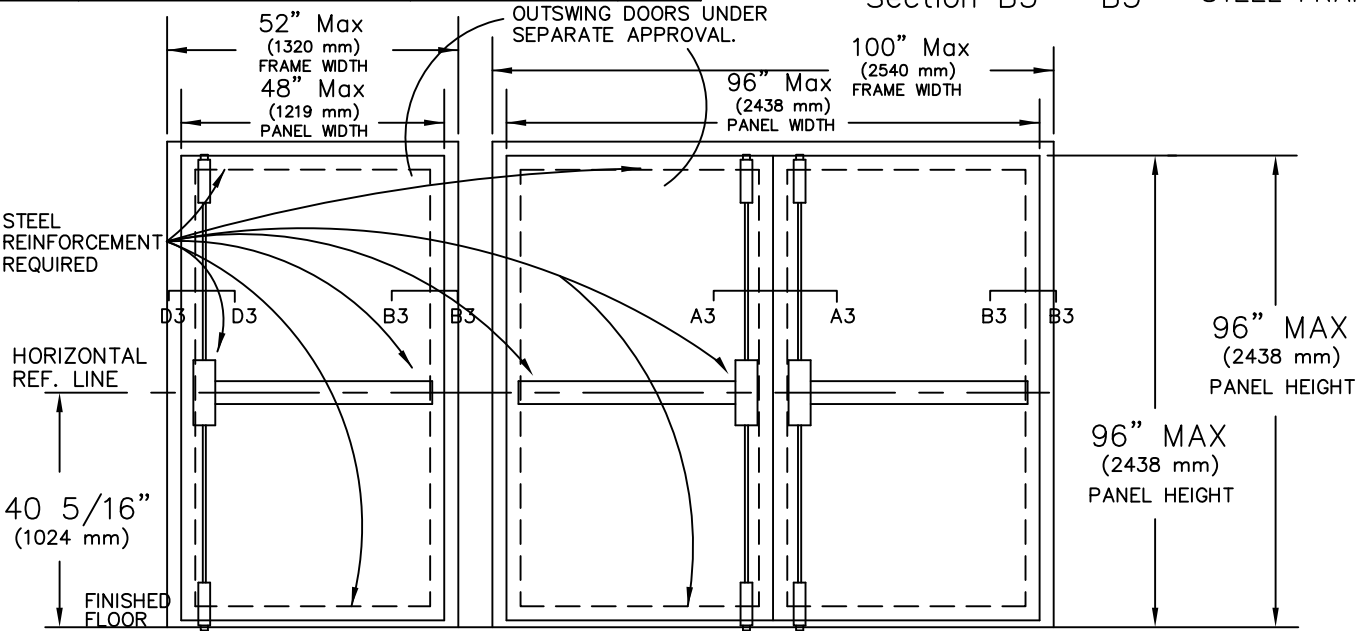
Building Drops, Inc.
398 E. Dania Beach Blvd.
Dania Beach, FL 33004
FBPE Cert. of Authorization No. 29678

Hermes F. Norero, P.E.
Florida Professional Engineer
No. 73778

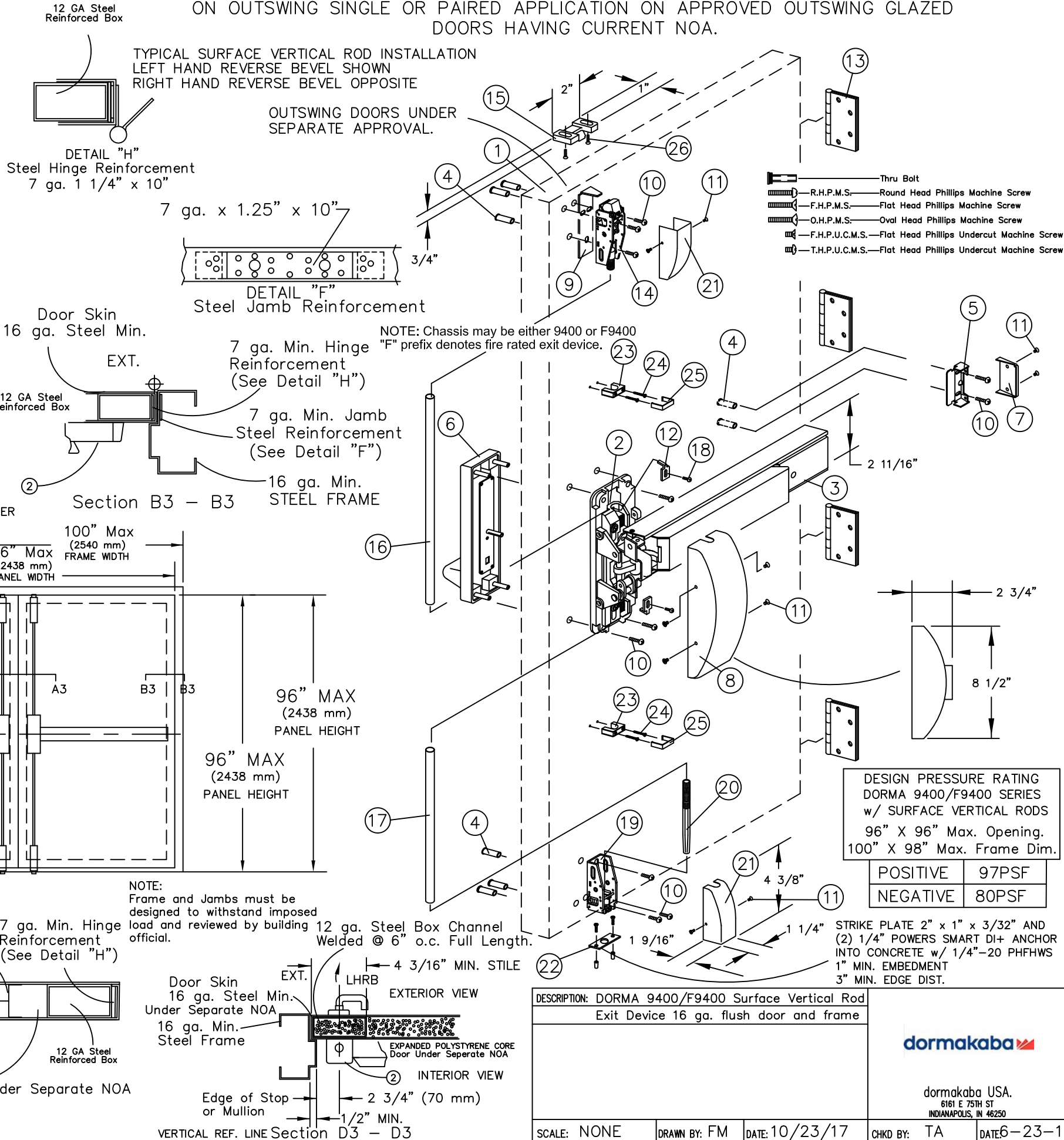
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5th Edition FBC Update	7	LS	6-16-10	
Update Print	6	TA	6-23-11	
Update Print	5	TA	3/21/11	
Update Print	4	TA	12/12/07	
Update Print	3	TA	7/26/07	
Update Print	2	TA	7/5/07	
REVISIONS		NO.	BY	DATE
DWG. 5 OF 6				
DWG. NO.		9000-003		

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 w/ #26	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 PLATE	STEEL	8
23	ROD GUIDE		2
24	#6 x 1 1/4" F.H.P.T.S.		4
25	ROD GUIDE COVER		2
26	#12-24 x 3/4" OHPMS		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:

- Device complies with FBC 2017 (6th Edition) and has been tested to TAS 201-94, 202-94 and 203-94.
- 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.

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6th Edition FBC Update	FM	10-23-17
5th Edition FBC Update	LS	6-16-15
Rev. Print	5	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
REVISIONS	NO.	BY DATE
DWG. 6 OF 6		
DWG. NO.		9000-003

dormakaba

dormakaba USA.
6161 E 75TH ST
INDIANAPOLIS, IN 46250

DESCRIPTION: DORMA 9400/F9400 Surface Vertical Rod Exit Device 16 ga. flush door and frame	SCALE: NONE	DRAWN BY: FM	DATE: 10/23/17	CHKD BY: TA	DATE: 6-23-11
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