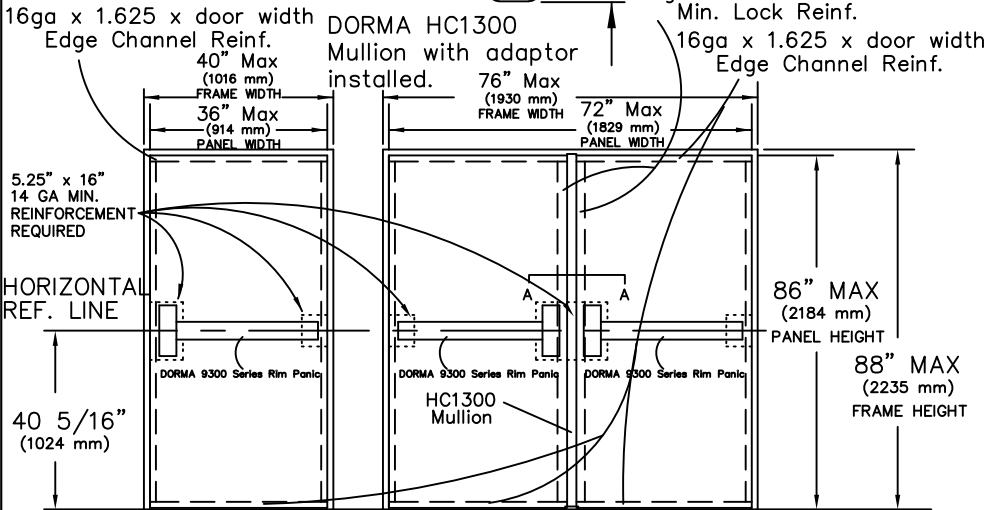


BILL OF MATERIAL			
ITEM	DESCRIPTION	PART NUMBER	QTY.
1	DOOR & FRAME	Under sep. NOA or FPA	1
2	9300 CHASSIS ASSY.	SEE NOTES	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		4
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE		1
10	12-24 R.H.P.M.S.		8
11	8-32 F.H.P.M.S.		6
12	12-24 F.H.P.M.S.		6
13	HINGE		3
14	#463 STRIKE	SEE NOTES	1
15	Removable Mullion	HC1300(Dbl. Doors)	1
16	Mullion Top Fitting		1
17	Mullion Bottom Fitting		1
18	Anchor plate	1/4" steel plate	1
19	Bottom Mullion Adapter		1

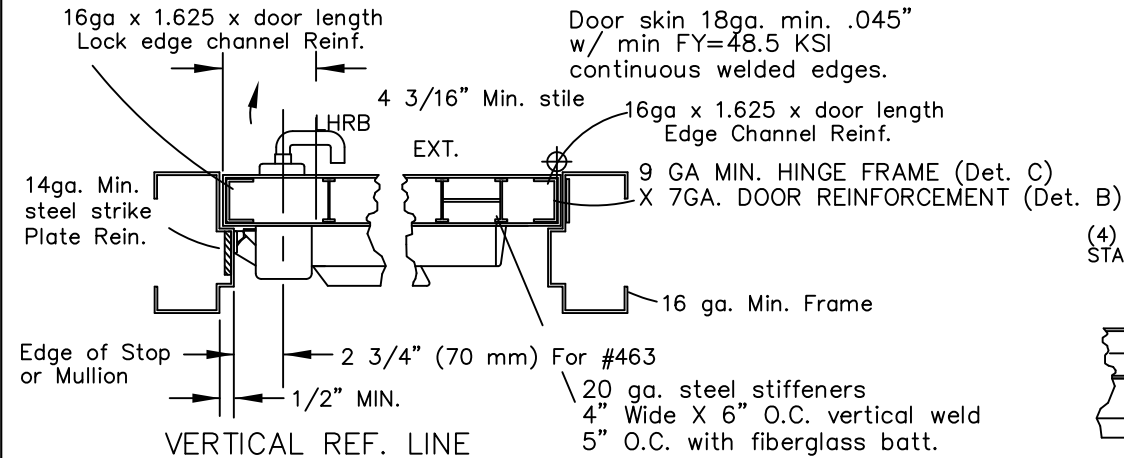
STRIKE MATERIAL: 701 SANDCAST MALLEABLE IRON FERRATIC GRADE 32510
CHASSIS ASSEMBLY MATERIAL: INVESTMENT CAST 1020 STEEL, BOLT 304 STAINLESS

Notes:

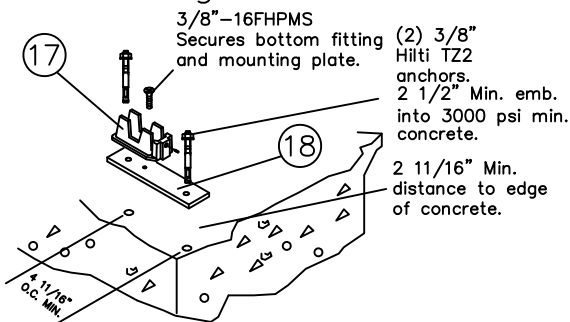
Material: (Mullion)
Carbon Steel Tubing 2 x 3 x 5/16
Wall Structural ASTM A500-Grade B
Tensile Strength; 58000 psi.
Yield Strength; 46000 psi.min.



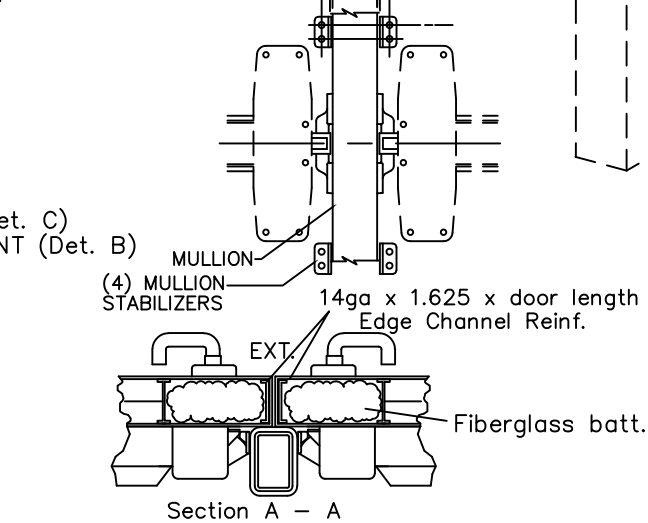
DORMA 9300 Series Rim INT. VIEW
DORMA 9300 Series Rim x DORMA 9300 Series Rim x DORMA HC1300 removable mullion assembly.



Anchoring Detail

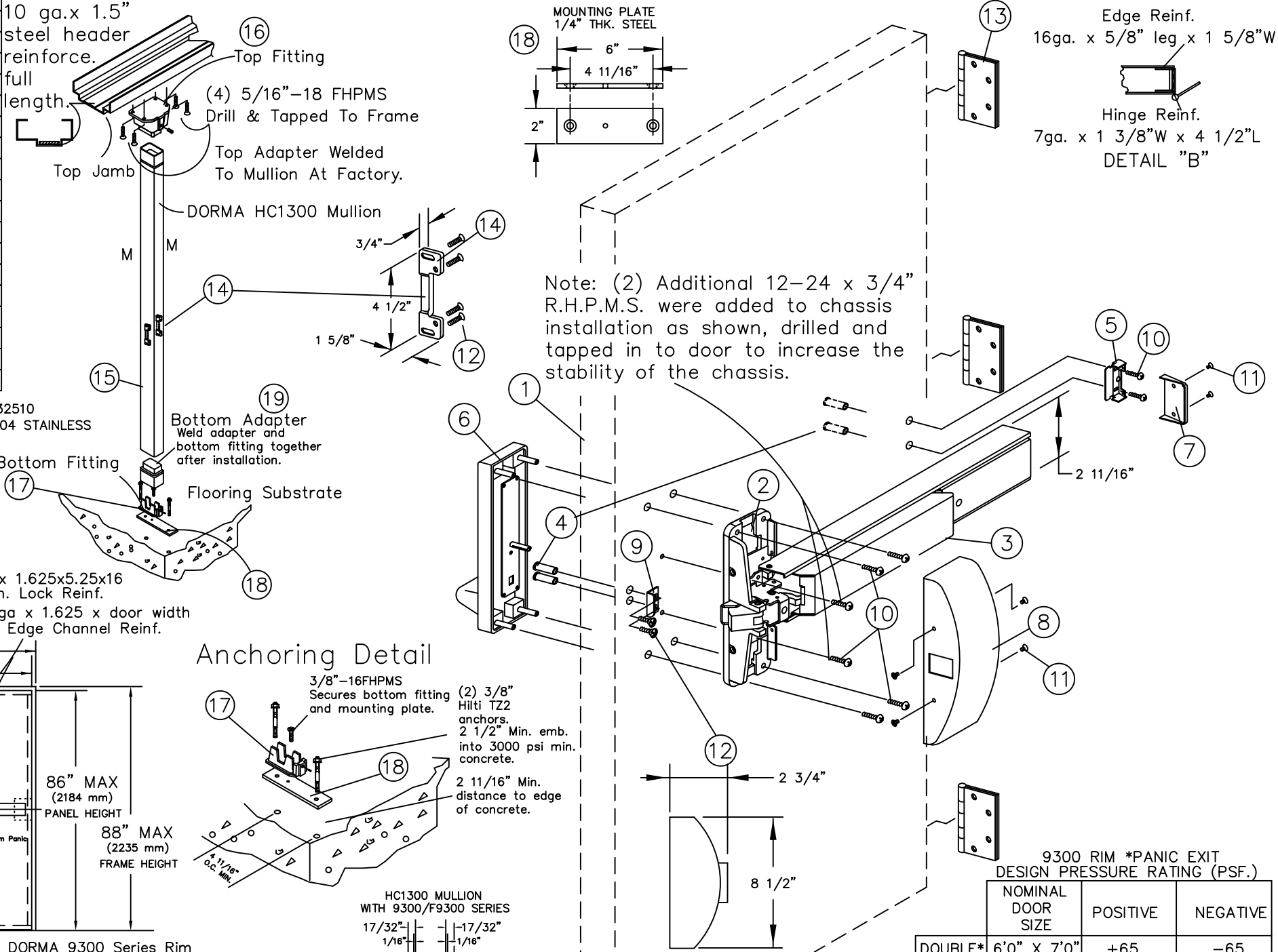


HC1300 MULLION WITH 9300/F9300 SERIES
17/32" ± 1/16" -17/32" ± 1/16"



Section A - A

DORMA 9300/F9300 Rim Panic Exit Devices w/ DORMA HC1300 Mullion (component approval). On Impact Flush Outswing Single And Pair Steel Doors Having Current NOA or Current HVHZ Florida State Approval



Note: (2) Additional 12-24 x 3/4" R.H.P.M.S. were added to chassis installation as shown, drilled and tapped in to door to increase the stability of the chassis.

9300 RIM *PANIC EXIT
DESIGN PRESSURE RATING (PSF.)

	NOMINAL DOOR SIZE	POSITIVE	NEGATIVE
DOUBLE*	6'0" X 7'0"	+65	-65
SINGLE	3'0" X 7'0"	+80	-80

* RIM PANIC (DOUBLE DOOR)
W/DORMA HC 1300 MULLION

DETAIL "C"
Steel Jamb Reinforcement

DESCRIPTION: 9300 SERIES SINGLE DOOR (DADE)	
MATERIAL:	
COIL WIDTH:	UNLESS NOTED OTHERWISE
PROGRESSION:	DECIMALS .XXX----±.005
WEIGHT:	DECIMALS .XX----±.010
FINISH:	FRACTIONS ----±1/64
SCALE: NONE	ANGLES-----±2°
DRAWN BY: FM	DATE: 10/23/17



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

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.05.01 17:10:36 -04'00'

GENERAL NOTES

- LIMITATIONS:
- Device complies with the current FBC and has been tested to TAS 201-94, 202-94 and 203-94.
 - Devices approved to be used as equal alternative to corresponding lock approved to be used in applicable 18ga (min .045") w/min FY=48.5 KSI outswing steel doors holding a current NOA or FPA, lowest design pressure of door or this component will apply.
 - Device shall be installed on 18ga (min .045") w/min FY=48.5 KSI commercial steel door panel no wider or higher than shown on these approved drawings.
 - Installation of this device requires steel reinforcement as indicated.
 - Electrical options are not part of this approval and must be reviewed by corresponding authority.
Certifications:
Underwriters Laboratories-UL10C, UL305, UBC 7-2 (1997), ANSI-BHMA 156.3 Grade 1 Exit Hardware

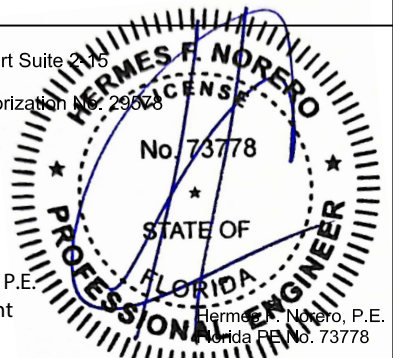
3/4" Min. latchbolt throw. All reinforcement to be spot welded or better by door manufacturer. All dimensions in accordance with manufacturer's standard installation instructions.

Frame: 16 ga. min.
Door: 18ga (min..045") w/min. FY=48.5 KSI

Hinge/Jamb reinforcement: As noted.
Header channel: 10ga. x 1.5" x width.
Lock stile/hinge stile, panic box reinforcement: 14 ga min.

Exit device model 9300/F9300 Series
Outside trim may be one of the below.
WODT, W102, W302, W003, W103, W303, W122, W322, W105, W305, YDOT, YX02, YX03, YX08, YX23 (X designates lever style). Sectional trim may be used in conjunction with additional thru bolts. Thru bolts must be used on all installations as shown. Strike angle must be installed as shown.

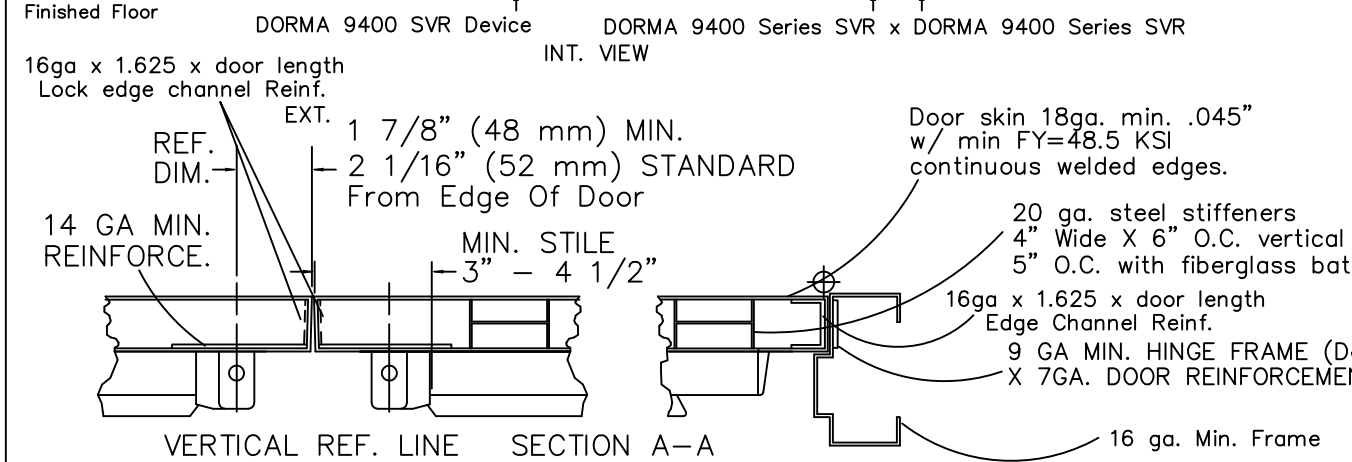
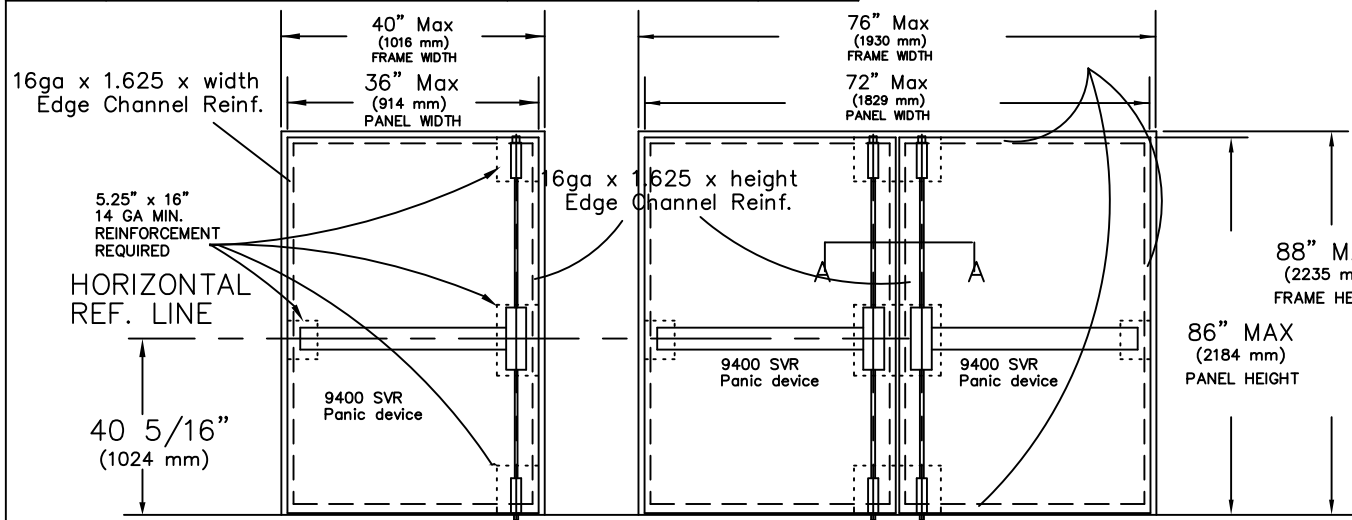
Building Drops, Inc.
1900 NE Miami Court Suite 205
Miami, FL 33132
FBPE Cert. of Authorization No. 29628



Mullion Anchor Update	11	DI	04-23-2024
6th Edition FBC Update	10	FM	10-23-2017
5th Edition FBC Update	9	LS	06-16-2015
Rev. Per Dade	8	TA	03-20-2013
REVISIONS	NO.	BY	DATE
DWG. 1 OF 4			

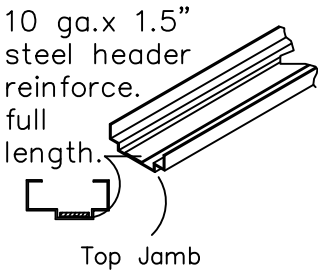
9000

BILL OF MATERIAL			
ITEM	DESCRIPTION	PART NUMBER	QTY.
1	DOOR & FRAME	Under Sep. NOA or FPA	1
2	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	CAST STAINLESS	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		3
14	TOP LATCH ASSEMBLY	STEEL	1
15	#426 stk. w/ 2 12-24 x 3/4" FHPMS screws	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 stk. w/ 2 1/4"-20 x 1" FHPMS screws		1
23	ROD GUIDE		2
24	#6 x 1 1/4" F.H.P.T.S.		4
25	ROD GUIDE COVER		2

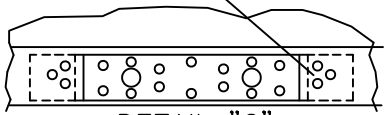


DORMA 9400/F9400 Surface Vertical Rod Panic (SVR) Device Component Approval On Outswing Single And Pair Of Steel Doors Having Current NOA or Current HVHZ Florida State Approval

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

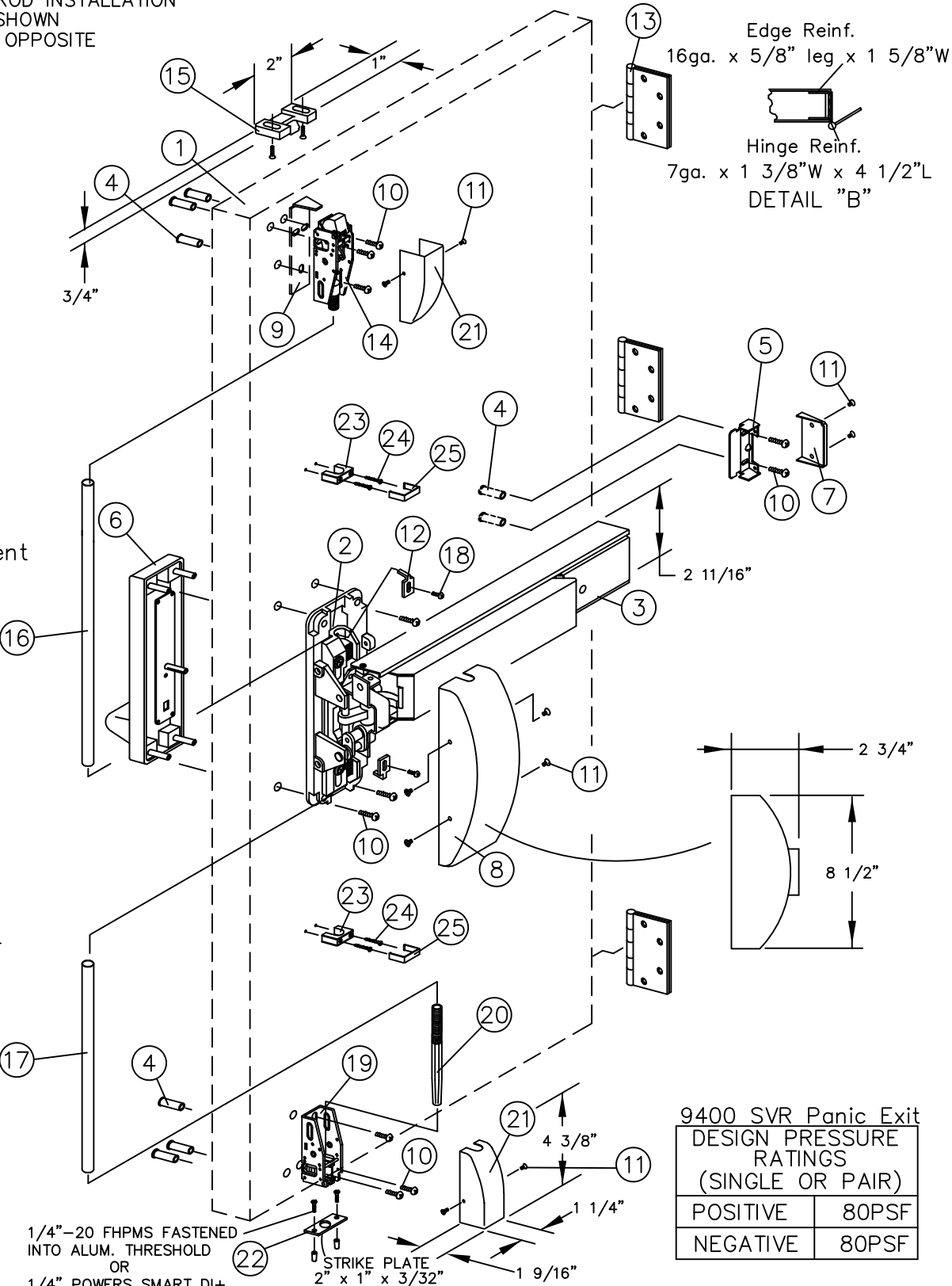


9 ga. x 1.625" x 7.5"



DETAIL "C"

16ga x 1.625 x door width
Edge Channel Reinf.



9400 SVR Panic Exit	
DESIGN PRESSURE RATINGS (SINGLE OR PAIR)	
POSITIVE	80PSF
NEGATIVE	80PSF

DESCRIPTION: 9400 SERIES SURFACE PAIR SVR

MATERIAL:

COIL WIDTH:

PROGRESSION:

WEIGHT:

FINISH:

SCALE: NONE

DRAWN BY: FM

DATE: 10/23/17

dormakaba USA.

6161 E 75TH ST
INDIANAPOLIS, IN 46250

CHKD BY:

DATE:

GENERAL NOTES

LIMITATIONS:

1. Device complies with the current FBC 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 18ga (min .045") w/min FY=48.5 KSI outswing steel doors holding a current NOA or FPA, lowest design pressure of door or this component will apply. Device shall be installed on 18ga (min .045") w/min FY=48.5 KSI commercial steel door panel no wider or higher than shown on these approved drawings. Steel reinforcement as indicated. 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) UL305

ANSI/BHMA A156.3 Grade 1 Exit Device

3/4" Minimum latchbolt throw

Frame 16 GA minimum.

Strike, hinge & header minimum reinforcements as shown on detail.

Door 18 GA min.045 w/ min FY=48.5 KSI

Lock stile, hinge stile, panic reinforcement box 14 GA minimum as noted on detail.

All reinforcements to be spot welded or better by door manufacturer.

All dimensions in accordance with manufacturer's standard installation instructions.

Exit device Model 9400 Series Surface Vertical Rod

Outside trim may be one of the following designations:

WODT, W102, W302, W003, W103, W303, W122, W322, W105, W305, YODT, YK02, YR02, YT02, YC02, Y003, YK03R, YR03R, YT03R, YC03R, YK03, YR03, YT03 YC03, YK08, YR08, YT08, YC08, YK23, YR23, YT23, or YC23. Sectional trim may be used in conjunction with additional thru bolts.

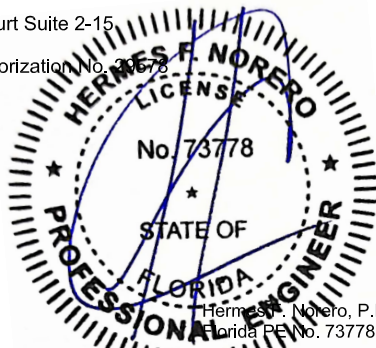
Thru bolts must be used on all installations as shown.

Interlocking strike angle must be installed on all installations as shown.

Bill of materials is for one door.

All quantities will double for opposite door of pair.

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Miami, FL 33132
FBPE Cert. of Authorization No. 2017-00000000



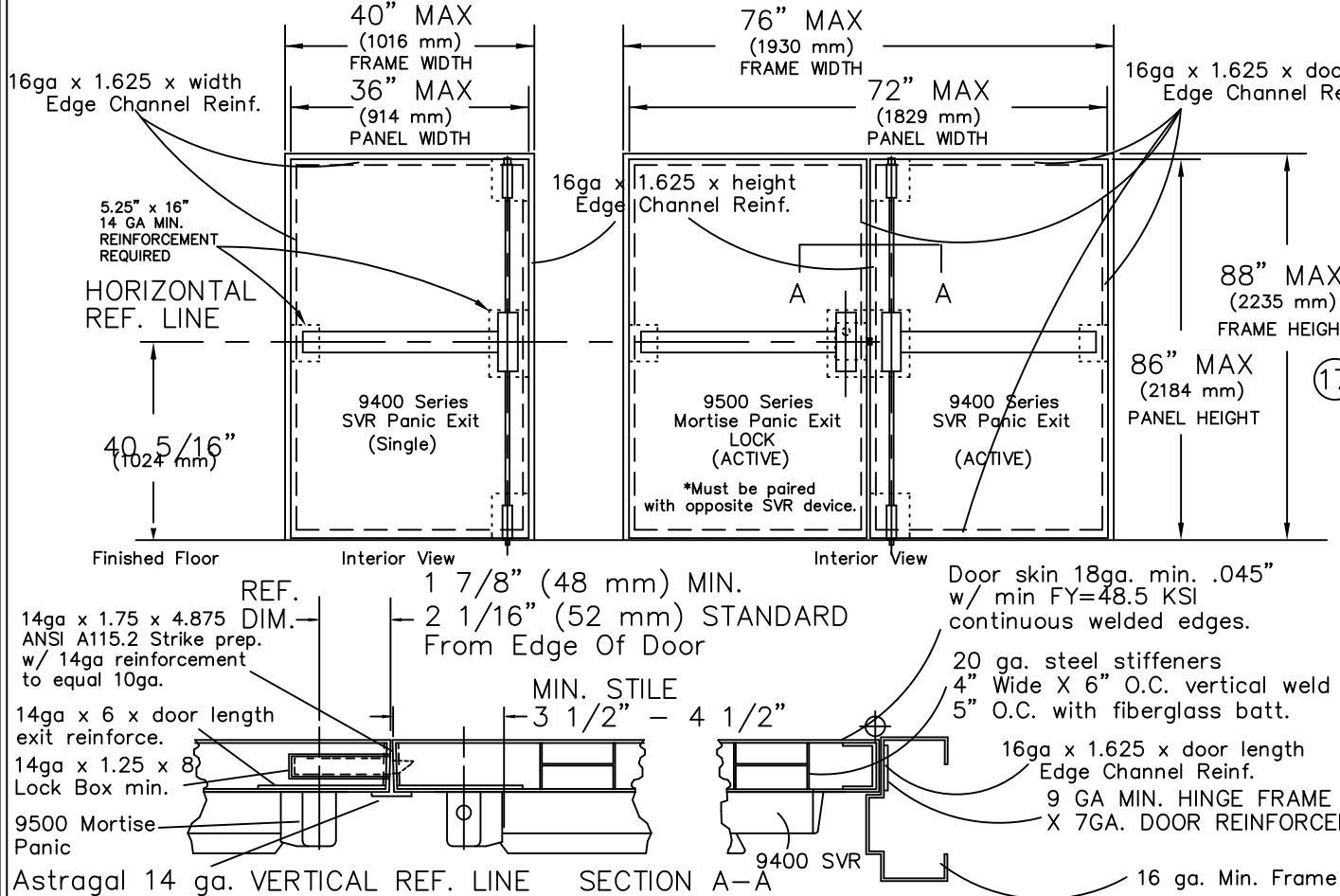
Mullion Anchor Update	11	10	04-23-2024
6th Edition FBC Update	10	FM	10-23-2017
5th Edition FBC Update	9	LS	06-16-2015
Rev. Per Dade	8	TA	03-20-2013
REVISIONS	NO.	BY	DATE

DWG. 2 OF 4

DWG. NO.

9000

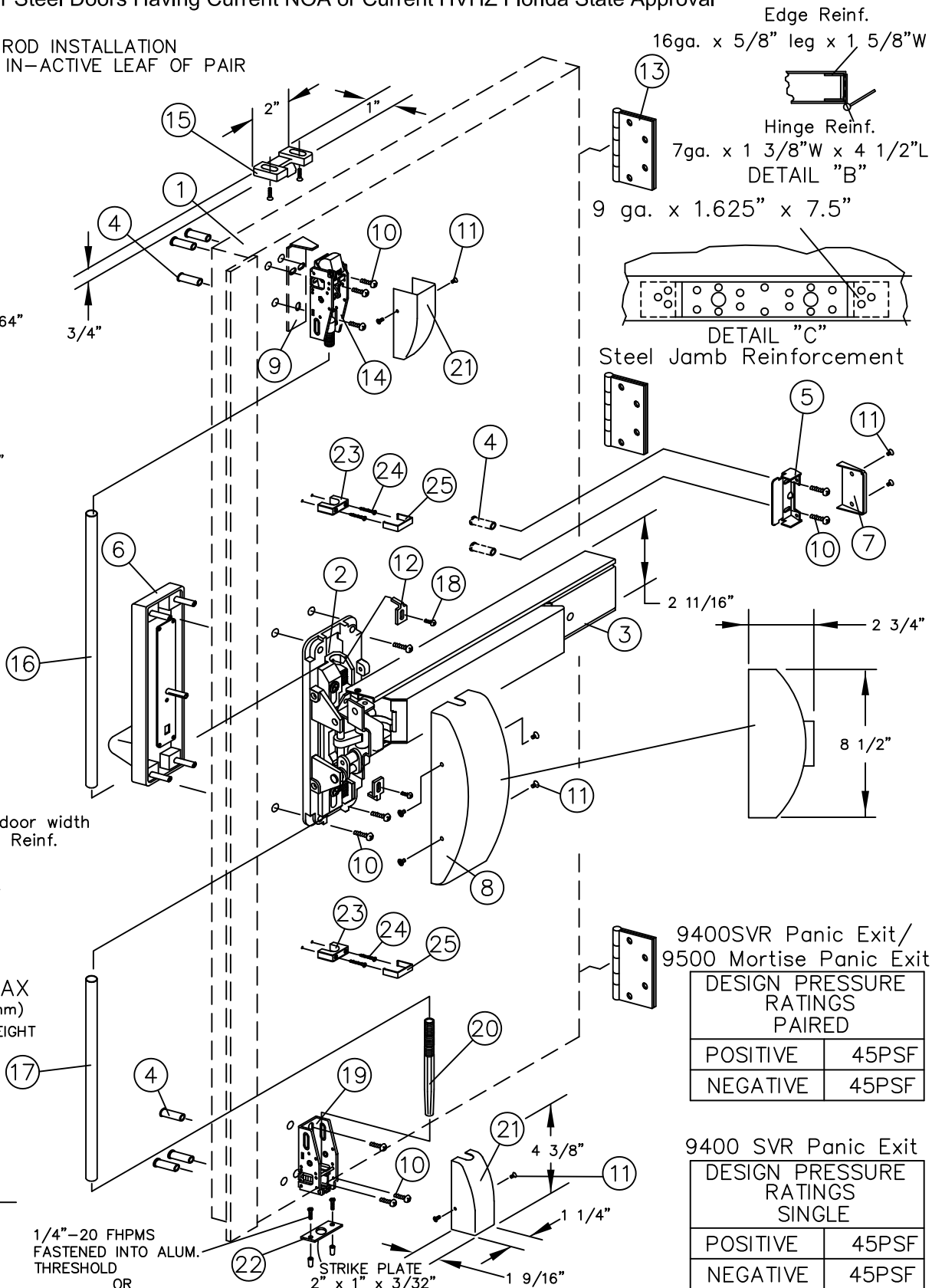
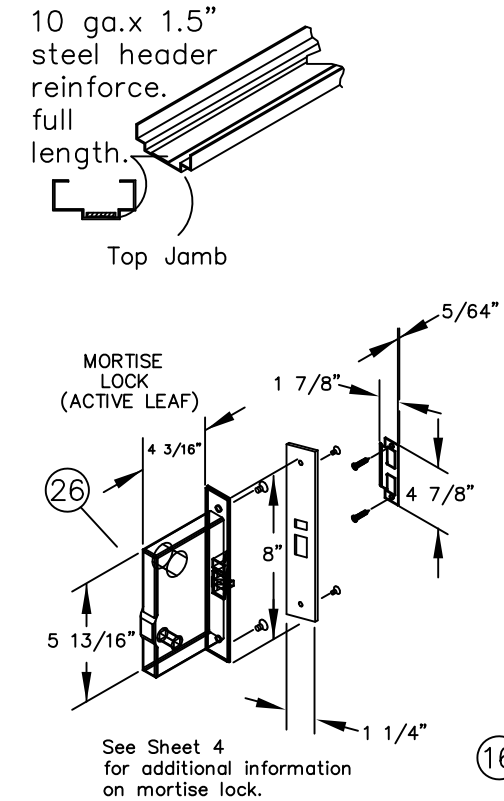
BILL OF MATERIAL			
ITEM	DESCRIPTION	PART NUMBER	QTY.
1	DOOR & FRAME	Under sep. NOA or FPA	1
2	9400 x 9500 chass. ass.	ALUMINUM	1ea
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		8
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	STRIKE ANGLE	STAINLESS STEEL	1
10	12-24 R.H.P.M.S.		12
11	8-32 F.H.P.M.S.		10
12	ROD RETAINING PLATE		2
13	HINGES		3
14	TOP LATCH ASSEMBLY	STEEL	1
15	#426 stk. w/ 2 12-24 x 3/4" FHPMS screws	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 stk. w/ 2 1/4"-20 x 1" FHPMS screws		1
23	ROD GUIDE		2
24	#6 x 1 1/4" F.H.P.T.S.		4
25	ROD GUIDE COVER		2
26	MORTISE LOCK BODY	steel	1



DORMA 9400/F9400 Surface Vertical Rod (SVR Panic Device) x DORMA 9500/F9500 Mortise Panic Device Component Approval

On Outswing Single And Pair Steel Doors Having Current NOA or Current HVHZ Florida State Approval

TYPICAL SURFACE VERTICAL ROD INSTALLATION
LEFT HAND REVERSE BEVEL, IN-ACTIVE LEAF OF PAIR



9400SVR Panic Exit/ 9500 Mortise Panic Exit DESIGN PRESSURE RATINGS PAIRED	
POSITIVE	45PSF
NEGATIVE	45PSF

9400 SVR Panic Exit DESIGN PRESSURE RATINGS SINGLE	
POSITIVE	45PSF
NEGATIVE	45PSF

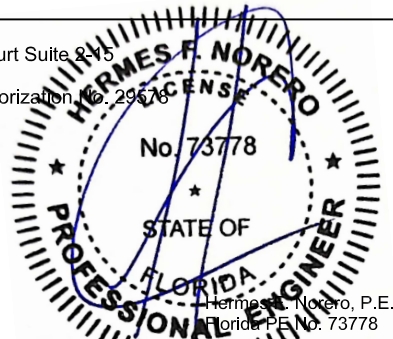
DESCRIPTION: 9400 Series SVR panic exit (single)	
MATERIAL: or paired with 9500 Series Mortise panic exit.	
COIL WIDTH:	UNLESS NOTED OTHERWISE DECIMALS .XXX----±.005 DECIMALS .XX----±.010 FRACTIONS----±1/64 ANGLES-----±2°
PROGRESSION:	
WEIGHT:	
FINISH:	
SCALE: NONE	DRAWN BY: FM
DATE: 10/23/17	CHKD BY:
DATE:	

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

GENERAL NOTES

LIMITATIONS:
1. Device complies with the current FBC 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 18ga (min .045") w/min FY=48.5 KSI outswing steel doors holding a current NOA or FPA, lowest design pressure of door or this component will apply. Device shall be installed on 18ga (min .045") w/min FY=48.5 KSI commercial steel door panel no wider or higher than shown on these approved drawings. Steel reinforcement as indicated. 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) UL305
ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw
Frame 16 GA minimum.
Strike, hinge & header minimum reinforcements as shown on detail.
Door 18 GA min.045 w/ min FY=48.5 KSI
Lock stile, hinge stile, panic reinforcement box 14 GA minimum as noted on detail.
All reinforcements to be spot welded or better by door manufacturer.
All dimensions in accordance with manufacturer's standard installation instructions.
Exit device Model 9400 Series Surface Vertical Rod x 9500 series mortise.
Outside trim may be one of the following designations:
WODT, W102, W302, W003, W103, W303, W122, W322, W105, W305, YODT, YK02, YR02, YT02, YC02, Y003, YK03R, YR03R, YYT03R, YC03R, YK03, YR03, YT03 YC03, YK08, YR08, YT08, YC08, YK23, YR23, YT23, or YC23. Sectional trim may be used in conjunction with additional thru bolts.
Thru bolts must be used on all installations as shown.
Interlocking strike angle must be installed on all installations as shown.
Bill of materials is for one door.
All quantities will double for opposite door of pair.

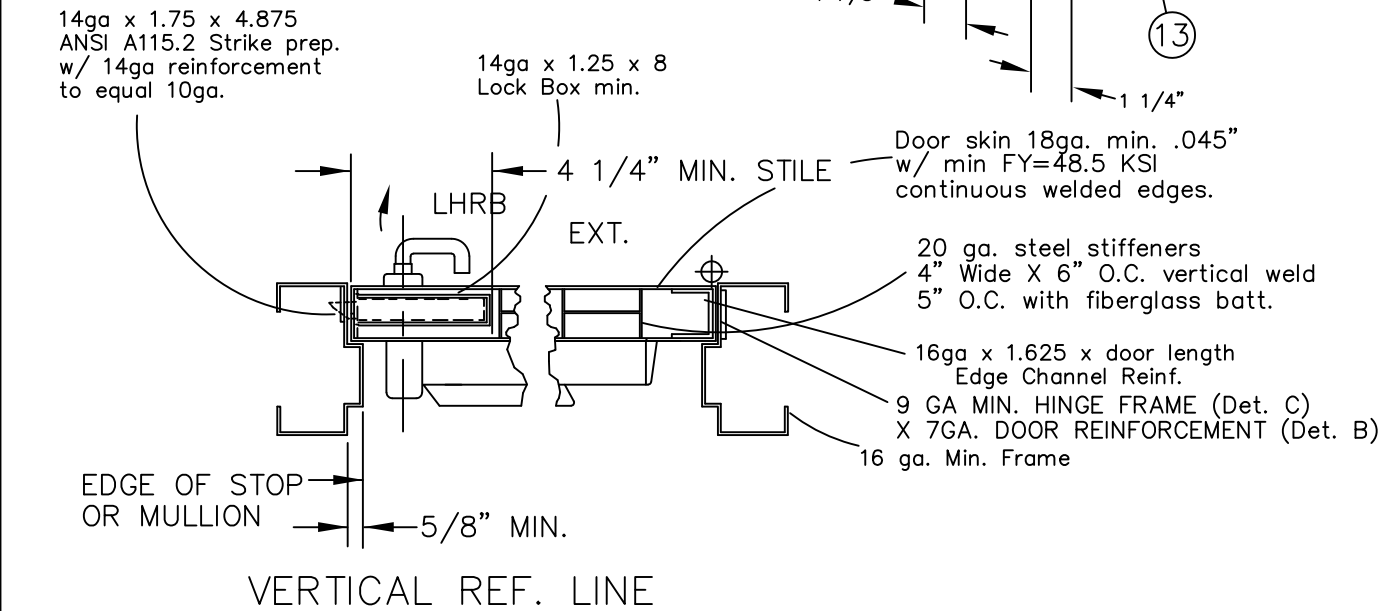
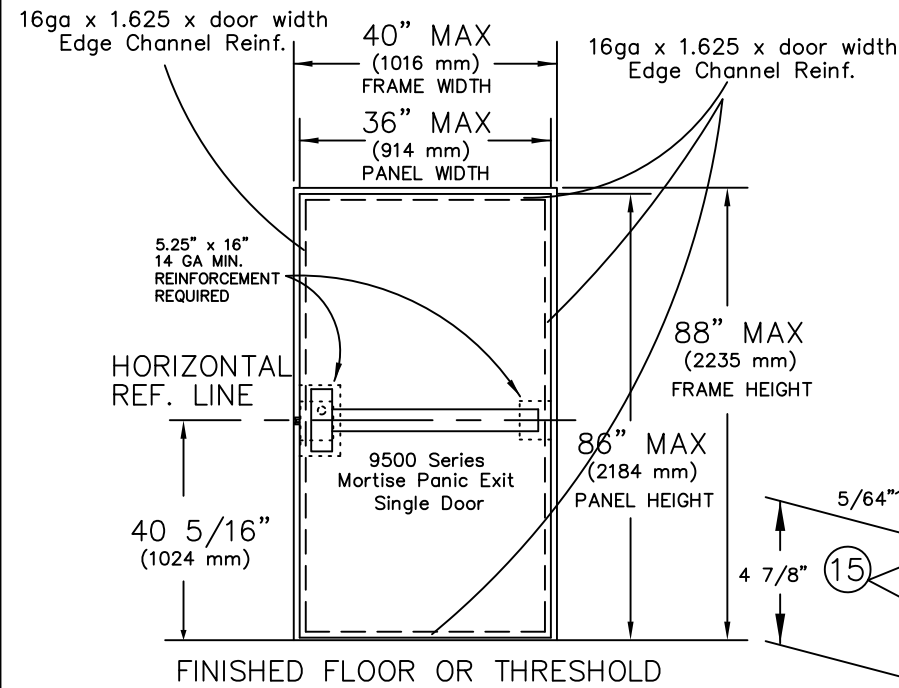
Building Drops, Inc.
1900 NE Miami Court Suite 2-15
Miami, FL 33132
FBPE Cert. of Authorization No. 29576



Mullion Anchor Update	11	FM	04-23-2024
6th Edition FBC Update	10	FM	10-23-2017
5th Edition FBC Update	9	LS	06-16-2015
Rev. Per Dade	8	TA	03-20-2013
REVISIONS	NO.	BY	DATE
DWG. 3 OF 4			
DWG. NO.			

9000

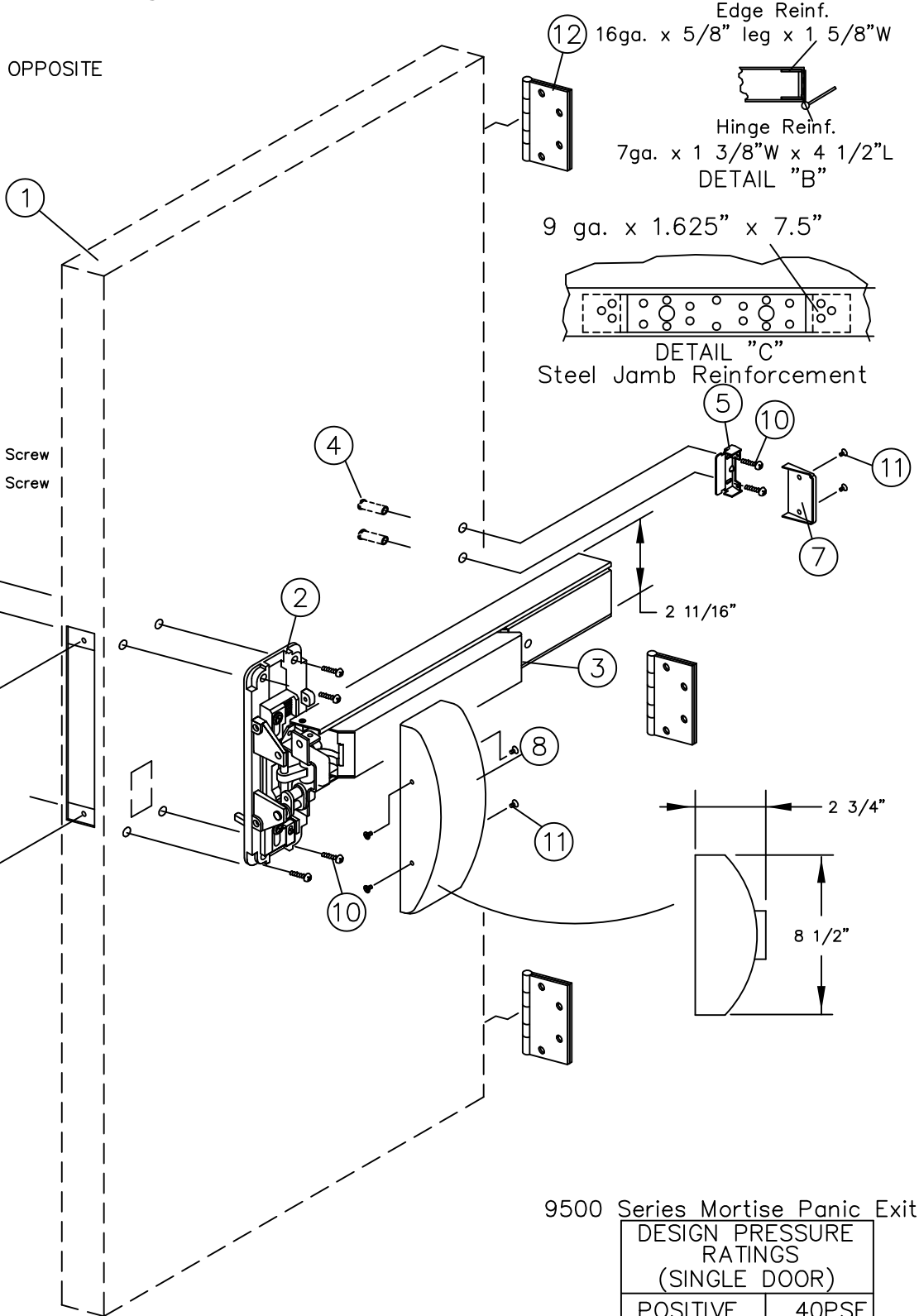
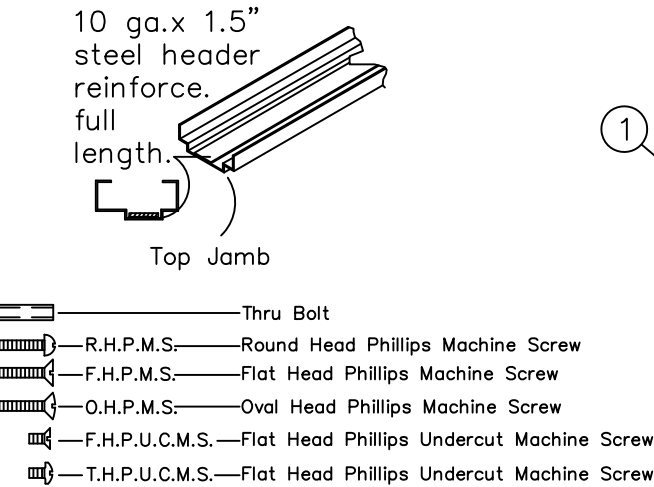
BILL OF MATERIAL			
ITEM	DESCRIPTION	PART NUMBER	QTY.
1	DOOR & FRAME	Under Sep. NOA or FPA	1
2	9500 CHASSIS ASSY.	ALUMINUM	1
3	TOUCHBAR/RAIL ASSY.		1
4	THRU BOLTS		2
5	ENDCAP BRACKET		1
6	OUTSIDE TRIM		1
7	ENDCAP		1
8	CHASSIS COVER		1
9	MORTISE LOCK BODY	STEEL	1
10	12-24 R.H.P.M.S.		6
11	8-32 F.H.P.M.S.		6
12	HINGE		3
13	COMBINATION SCREW		2
14	Face plate w/ 2 10-32 x 1/4" FHPMS screws	Steel	1
15	#426 stk. w/ 2 12-24 x 3/4" FHPMS screws	SANDCAST GRAY IRON CLASS 20	1



DORMA 9500/F9500 Mortise Panic Exit Device Component Approval

On Impact Flush Outswing Single Steel Door Having Current NOA or Current HVHZ Florida State Approval

TYPICAL SINGLE DOOR APPLICATION
LEFT HAND REVERSE BEVEL DOOR SHOWN
RIGHT HAND REVERSE BEVEL DOOR WOULD BE OPPOSITE



9500 Series Mortise Panic Exit	
DESIGN PRESSURE RATINGS (SINGLE DOOR)	
POSITIVE	40PSF
NEGATIVE	40PSF

DESCRIPTION: 9500 SERIES MORTISE SINGLE DOOR	
MATERIAL:	
COIL WIDTH:	UNLESS NOTED OTHERWISE DECIMALS .XXX----±.005 DECIMALS .XX----±.010 FRACTIONS ----±1/64 ANGLES-----±2°
PROGRESSION:	
WEIGHT:	
FINISH:	
SCALE: NONE	DRAWN BY: FM
DATE: 10/23/17	CHKD BY:
DATE:	



GENERAL NOTES

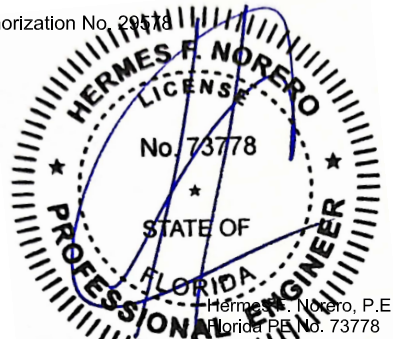
1. Device complies with the current FBC and has been tested to TAS 201-94, 202-94 and 203-94.

Certification:
Underwriter's Laboratories - UL10C, UBC 7-2 (1997) UL305
ANSI/BHMA A156.3 Grade 1 Exit Device
3/4" Minimum latchbolt throw
Frame 16 GA minimum.
Strike, hinge & header minimum reinforcements as shown on detail.
Door 18 GA min.045 w/ min FY=48.5 KSI
Lock stile, hinge stile, panic reinforcement box 14 GA minimum as noted on detail.
All reinforcements to to spot welded or better by door manufacturer.
All dimensions in accordance with manufacturer's standard installation instructions.

Exit device Model 9500 Series Mortise
Outside trim may be one of the following designations:
W0DT, W003M, W102, W302, W103M, W303M, W122M, W322M, W105M, W305M, Y0DT, YK02, YC02, YT02, YR02, Y003M, YK03MR, YC03MR, YT03MR, YR03MR, YK08M, YC08M, YT08M, YR08M, YK23M, YC23M, YT23M or YR23R.

Thru bolts must be used on all installations as shown.

Building Drops, Inc.
1900 NE Miami Court Suite 2-15
Miami, FL 33132
FBPE Cert. of Authorization No. 29578



Mullion Anchor Update	11	10	04-23-2024
6th Edition FBC Update	10	FM	10-23-2017
5th Edition FBC Update	9	LS	06-16-2015
Rev. Per Dade	8	TA	03-20-2013
REVISIONS	NO.	BY	DATE
DWG. 4 OF 4			
DWG. NO.			9000