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dormakaba USA, Inc.

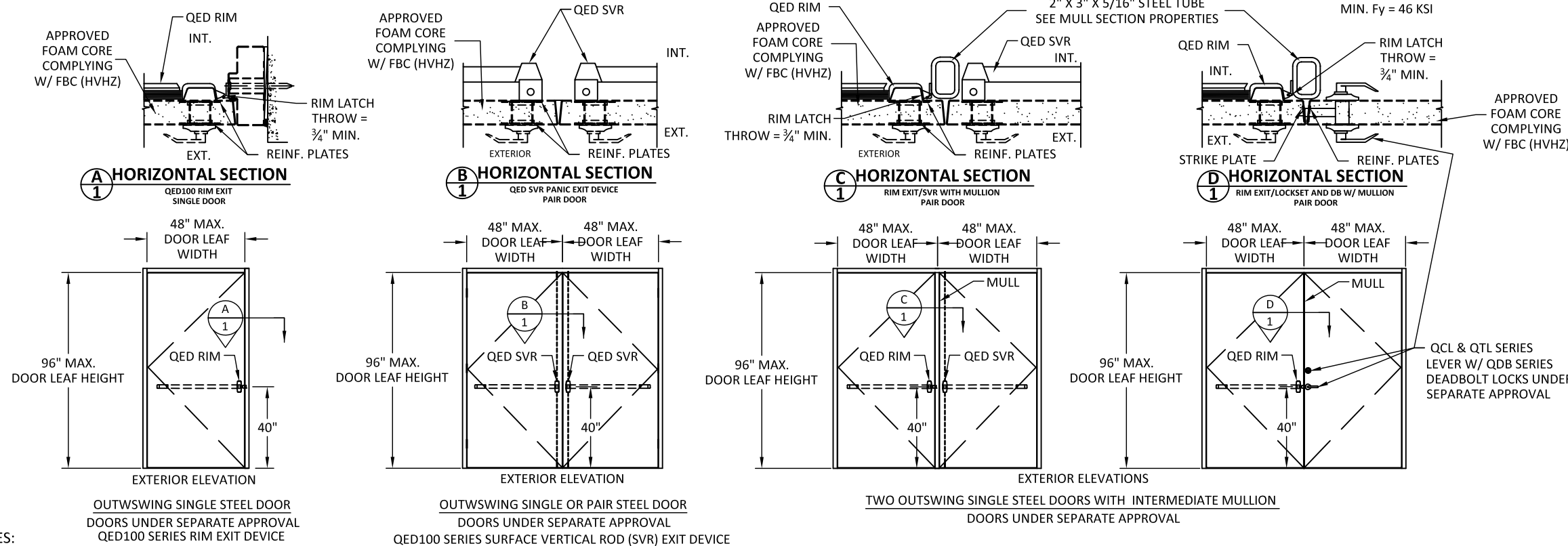
dormakaba QED 100RIM & QED 100SVR

PANIC EXIT DEVICE

SEE DOOR/MULLION APPROVAL FOR CONSTRUCTION,
DESIGN LOAD RATING AND INSTALLATION DETAILS.
SEE MIN. DOOR REQUIREMENTS IN GENERAL NOTES

MULLION SECTION PROPERTIES		
Ix	(IN^4)	2.4457
Sx	(IN^3)	1.6305

ASTM A500 GR. B OR BETTER
MIN. Fy = 46 KSI



GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE INCLUDING PROVISIONS SET FORTH FOR HIGH-VELOCITY HURRICANE ZONES (HVHZ).
- STRIKES, HINGES, AND ALL APPLICABLE REINFORCEMENTS AS REQUIRED ON DETAIL DRAWING IN THIS APPROVAL.
- LOCKING HARDWARE SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- ALL FASTENERS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- STEEL COMPONENTS SHALL BE COATED OR COMPLY WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH REQUIREMENTS OF CHAPTER 22 OF THE FBC.
- TWO (2) SINGLE DOORS WITH CURRENT QUALIFIED MULLION APPROVAL MAY BE USED SUCH THAT DEADBOLTS + LEVERSET ARE ENGAGED INTO THE OPPOSITE PANEL. THE OPPOSITE PANEL CONTAINING QED RIM PANIC EXIT DEVICE HAVING CURRENT APPROVAL MUST ENGAGE INTO THE MULLION. LOWEST DESIGN PRESSURE OF THE DOORS, LOCKING COMPONENT, PANIC EXIT, OR MULLION APPROVALS SHALL CONTROL.

LIMITATIONS OF USE:

- PANIC EXIT HARDWARE IS AN APPROVED COMPONENT TO BE USED AS AN EQUAL ALTERNATIVE TO THE CORRESPONDING APPROVED LOCKING DEVICES IN THE STEEL OUTSWING DOORS, HOLDING CURRENT APPROVAL, AS FOLLOWS:
 - QED RIM EXIT & QED SVR CAN BE USED WITH 18 GA. (0.045"MIN.) DOORS AND 16 GA. (.057" MIN.) FRAME JAMBS NO WIDER THAN 48" OR HIGHER THAN 96".
 - TWO (2) SINGLE DOORS USING APPROVED INTERMEDIATE MULLION (SEE MIN. SECTION PROPERTIES) CAN BE USED WITH QED RIM EXIT WITH BOTH DOORS OR QED RIM EXIT AND QED SVR OR QED RIM EXIT WITH (LOCK/DEADBOLT) AT ALTERNATE DOOR SLABS.
 - QED SVR CAN BE USED WITH ANY APPROVED STEEL DOORS MEETING GENERAL SPECIFICATIONS.
 - THE LOWER DESIGN PRESSURE OF DOOR OR MULLION OR THE COMPONENT APPROVAL HEREIN SHALL CONTROL FOR ENTIRE ASSEMBLY.
- COMPLIANCE WITH BUILDING EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.
- OPTIONAL ELECTRONICALLY ACTIVATED HARDWARE MAY BE USED AS ALLOWED BY CODE SUCH THAT IT DOES NOT AFFECT THE MECHANICAL PROPERTIES OF THE LOCKING HARDWARE AND/OR INHIBIT EGRESS, TO BE REVIEWED BY AUTHORITY HAVING JURISDICTION (AHJ). ELECTRONICALLY ACTIVATED HARDWARE MAY BE SELF-CONTAINED OR HARD-WIRED SUCH THAT WIRING COMPONENTS DO NOT AFFECT THE STRUCTURAL PERFORMANCE OF THE DOOR ASSEMBLY.
- ALL ELECTRICAL COMPONENTS MUST BE UL APPROVED.

DESIGN PRESSURE RATING	
QED RIM EXIT DEVICE	SHEET 3
QED SVR EXIT DEVICE	SHEET 4

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2	ELEVATION & SECTION VIEWS (SINGLE DOOR)
3	QED 100 SERIES RIM EXIT DEVICE
4	QED 100 SERIES SURFACE VERTICAL ROD PANIC EXIT DEVICE

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dormakaba USA Inc.
6161 E. 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288

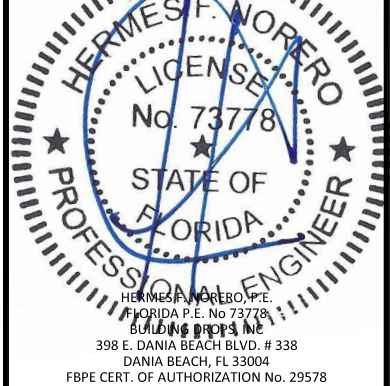
TITLE:
dormakaba QED 100RIM & QED 100SVR PANIC EXIT DEVICE
GENERAL NOTES, ELEVATION,
AND SECTION NOTES

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 999-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
FBC 2020 UPDATE	LL	7/22
THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.		

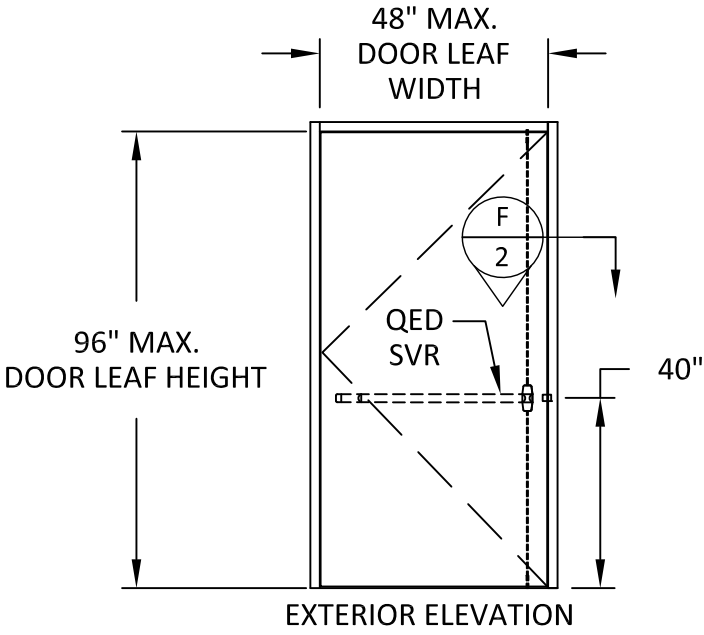
Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2022.08.14 21:56:30 -0400



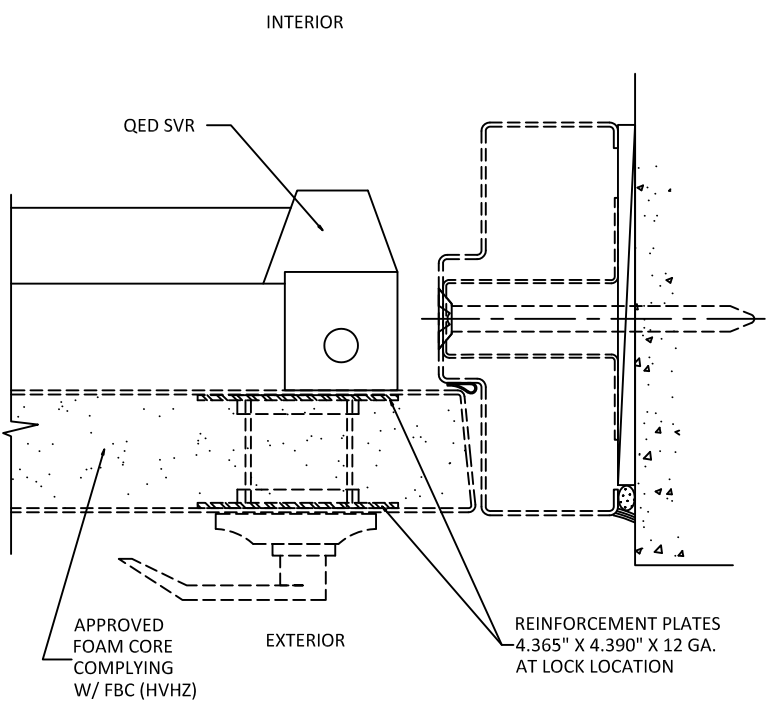
FL20096

DATE:	12.11.18
DWG. BY:	SM
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	DOR007
SHEET:	1

NOTE: SEE APPROVED DOOR UNDER SEPARATE CURRENT APPROVAL FOR DOOR ASSEMBLY, INSTALLATION AND DESIGN PRESSURE RATINGS. LOWER DESIGN PRESSURE OF QED SVR OR DOOR SHALL CONTROL.



OUTSWING SINGLE STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
QED100 SERIES SURFACE VERTICAL ROD EXIT DEVICE
TOP/BOTTOM ROD THROW = 1/2" MIN.



F 2 **HORIZONTAL SECTION**
QED100 SVR
SINGLE DOOR



dormakaba USA Inc.
6161 E. 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288

TITLE:
dormakaba QED 100RIM & QED
100SVR PANIC EXIT DEVICE
ELEVATION & SECTION VIEW
(SINGLE DOOR)

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

**BUILDING DROPS**

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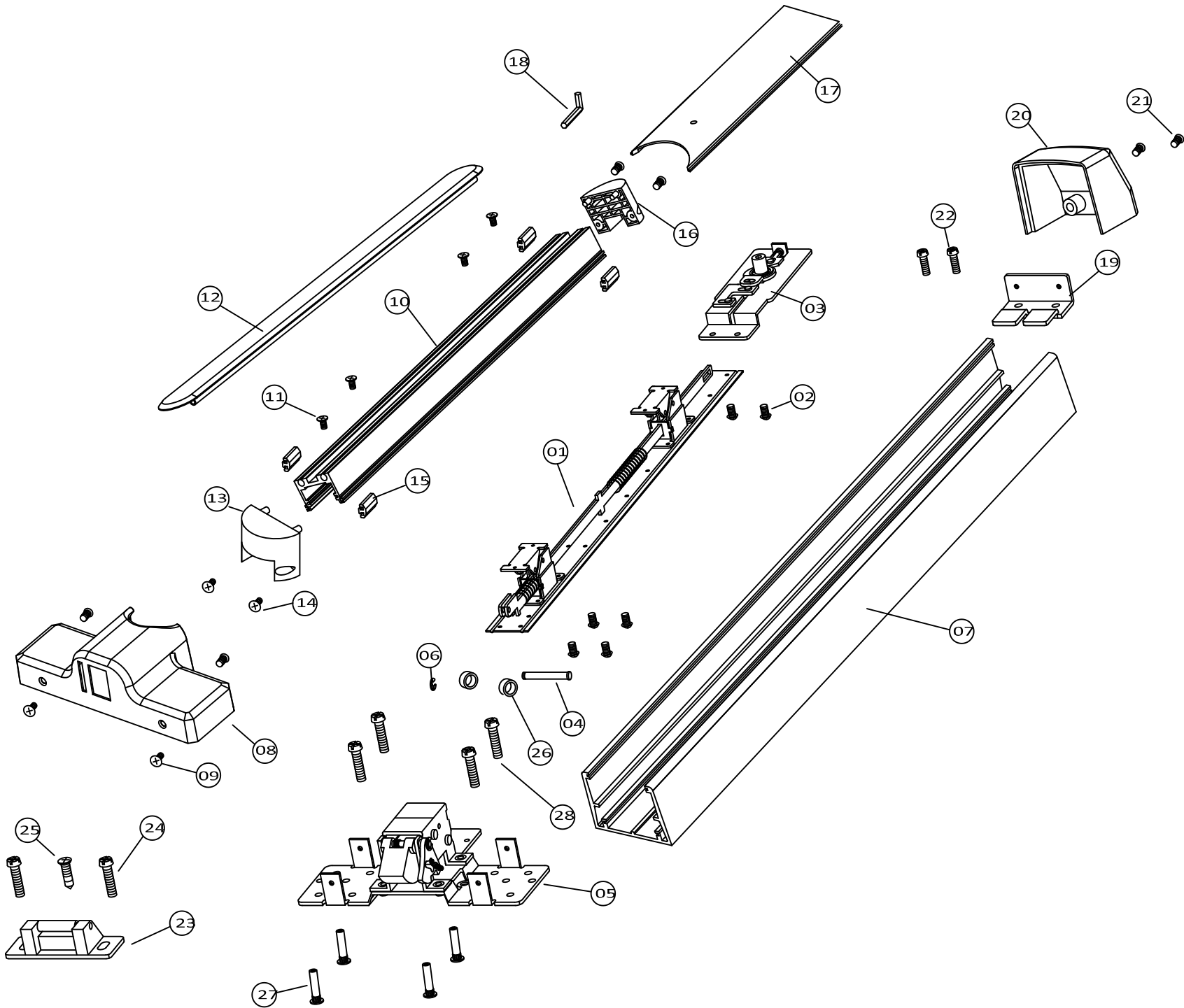


HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

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DATE:	12.11.18
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DWG. #:	DOR007
SHEET:	

2



QED 111 (RIM EXIT)

SINGLE DOOR OR SINGLE DOOR WITH INTERMEDIATE MULLION APPLICATION ONLY
(SEE SHEET 1)

No	Drawing	Description	Q'ty
1	01-06A	Push Bar Inside Mechanism Ass'y	1
2		Machine Screw,M4-0.7P*5mm	6
3	01-07A	Hex Key Dogging Kit	1
4	RE-19	Connecting Pin	1
5	01-16A	Chassis Mechanism Ass'y (Stainless Steel)	1
6		Retaining E-ring, ETW-4	1
7	BA-86	Mechanism Housing	1
8	BA-82	Chassis Cover	1
9		Machine Screw,M4-0.7P*6mm	4
10	BA-83	Push Bar Case	1
11		Machine Screw,M4-0.7P*8mm	4
12	BA-85	Push Bar Cover	1
13	BA-84A	Front Push Bar Cap	1
14		Machine Screw, PTS3.5*12mm	4
15	BA-89	Rubber Pieces	4
16	BA-84B	Rear Push Bar Cap	1
17	BA-87	Hex Key Dogging Plate	1
18		Dogging Wrench	1
19	HA-06	End Cap Mounting Bracket	1
20	BA-88	End Cap	1
21		Machine Screw,M4-0.7P*20mm	2
22		Mounting Machine Screw, #12-24P*1"	2
23		Strike	1
24		Mounting Machine Screw/ W1/4-20P*3/4"	2
25		Dual apaurpose Machine/ #12-11P*1"	1
26	HR-75	Plastic Ring	2
27		Sex Nut	4
28		Mounting Machine Screws,1/4-20P*3/4"	4

QED 100 SERIES RIM EXIT DEVICES			
MAX. DESIGN PRESSURE RATING-PSF (48" WIDE X 96" HIGH SINGLE LEAF DOORS)			
HARDWARE MODEL	CONFIG.	EXT. (+)	INT. (-)
QED 111 (SHOWN) QED 112 QED 113	SINGLE DOUBLE W/ MULLION	75.0 65.0	75.0 65.0

RIM LATCH THROW = 3/4" MIN.



dormakaba USA Inc.
6161 E. 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288

TITLE: dormakaba QED 100RIM & QED 100SVR PANIC EXIT DEVICE

QDB 180

PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
FBC 2020 UPDATE	LL	7/22

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DWG. BY: SM

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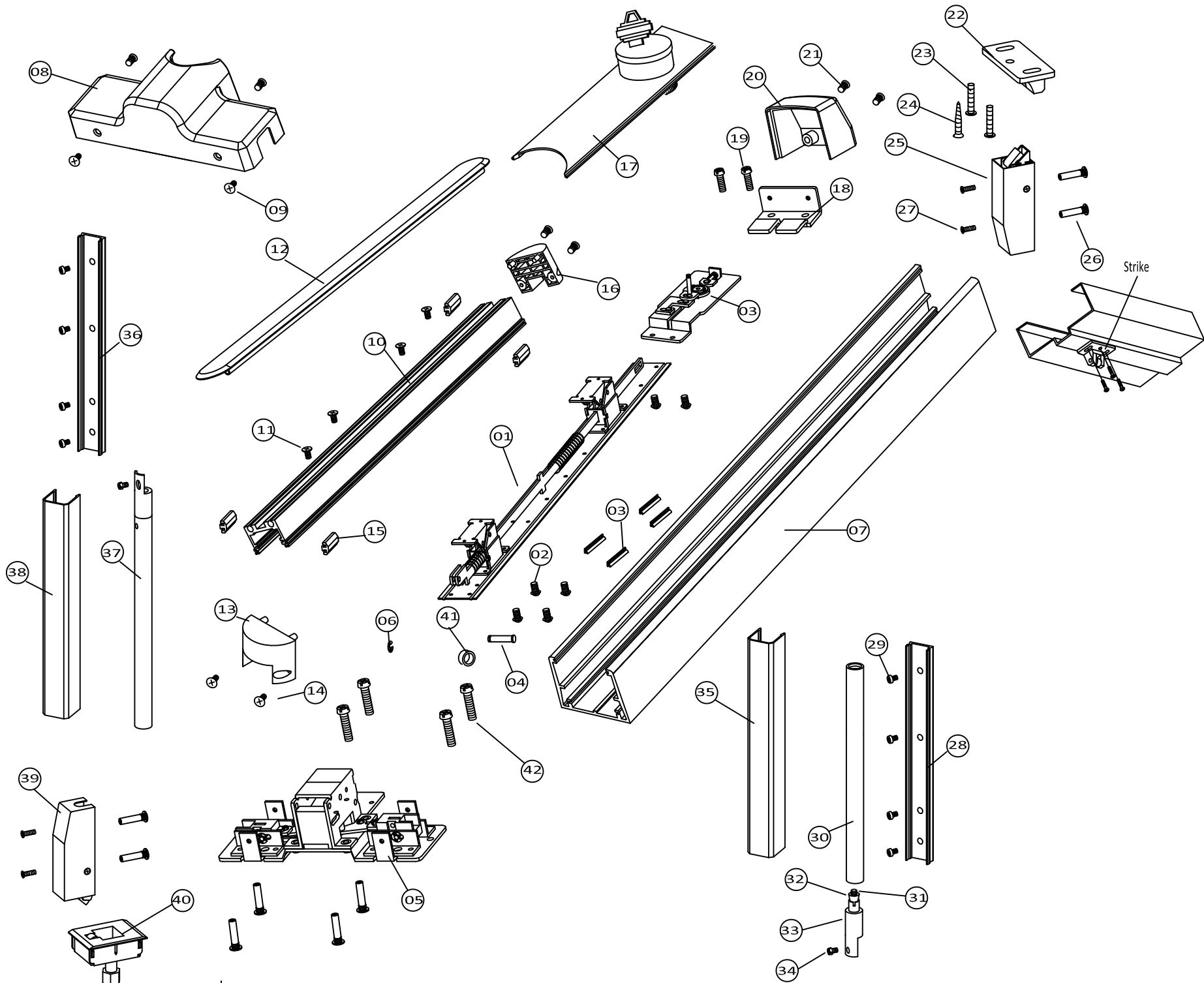
SCALE: NTS

DWG. #: DOR007

SHEET:

3

OF 4



QED 115 (SVR)

No	Drawing	Description	Q'ty
1	01-06A	Push Bar/Inside Mechanism Ass'y	1
2		Machine Screw,M4-0.7P*5mm	6
3	01-07B	Cylinder Dogging Kit	1
4	RE-19	Connecting Pin	1
5	01-16C	Chassis Mechanism Ass'y	1
6		Retaining E-ring, ETW-4	1
7	BA-86	Mechanism Housing	1
8	BA-82	Chassis Cover	1
9		Machine Screw,M4-0.7P*6mm	4
10	BA-83	Push Bar Case	1
11		Machine Screw,M4-0.7P*8mm	4
12	BA-85	Push Bar Cover	1
13	BA-84A	Front Push Bar Cap	1
14		Machine Screw, PT53.5*12mm	4
15	BA-89	Rubber Pieces	4
16	BA-84B	Rear Push Bar Cap	1
17	01-09B	Cylinder Dogging Plate	1
18	HA-06	End Cap Mounting Bracket	1
19	BA-88	End Cap	1
20		Machine Screw,M4-0.7P*20mm	2
21		Mounting Machine Screw, #12-24P*1"	2
22	01-12B	Top Strike	1
23		Mounting Machine Screw, #12-24P*3/4"	2
24		Dual Purpose Machine /Tapping Screw, #12-11P*1"	1
25	01-10C	Top Latch Assembly	1
26		Sex Nut	8
27		Sex Bolt (Machine SCREW),1/4-20P*3/4"	4
28	BA-92	Top Rod Cover Base	1
29	BA-91	Top Rod Cover	1
30	SV-18B	Top Rod (Stainless Steel)	1
31		Connector Screw, M4-0.7P*35mm	2
32	SV-16	Connector Jut	2
33	SV-15	Pull Rod Connector	2
34		Machine Screw, M5-0.8P*15mm	2
35	BA-92	Bottom Rod Cover Base	1
36	BA-91	Bottom Rod Cover	1
37	SV-39	Bottom Rod Assembly (Stainless Steel)	1
38	01-11C	Bottom Latch Assembly	1
39	01-14A	Bottom Strike Assembly	1
40		Mounting Machine Screws, #8-32P*10mm	7
41	HR-75	Plastic Ring	2
42		Mounting Machine Screws,1/4-20P*3/4"	4

QED 100 SERIES VERTICAL ROD EXIT DEVICES			
MAX. DESIGN PRESSURE RATING-PSF (48" WIDE X 96" HIGH SINGLE OR DOUBLE LEAF DOORS)			
HARDWARE MODEL	CONFIG.	EXT. (+)	INT. (-)
	DOUBLE W/ MULLION	65.0	65.0
QED 114 QED 115 (SHOWN) QED 116	SINGLE	75.0	75.0

TOP/BOTTOM ROD THROW = 1/2" MIN.



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INDIANAPOLIS, IN 46250
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TITLE:
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100SVR PANIC EXIT DEVICE

QDB 181

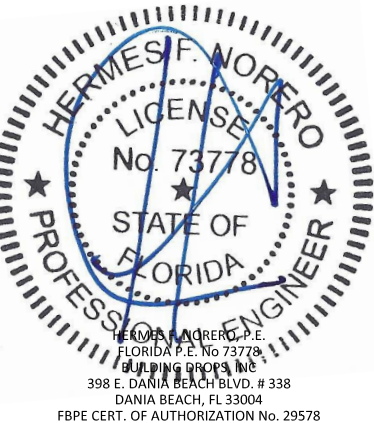
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FL20096

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CHK. BY: HFN

SCALE: NTS

DWG. #: DOR007

SHEET:

4

OF 4