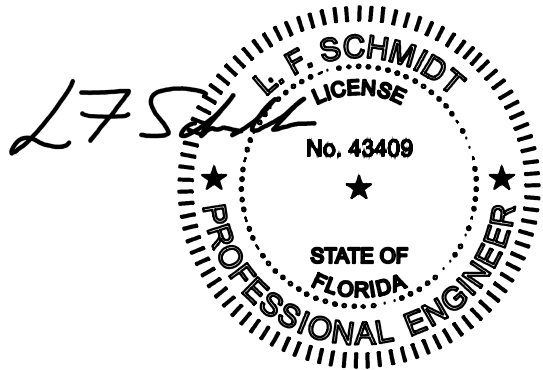




6605 Flotilla Street
City of Commerce
CA 90040



This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

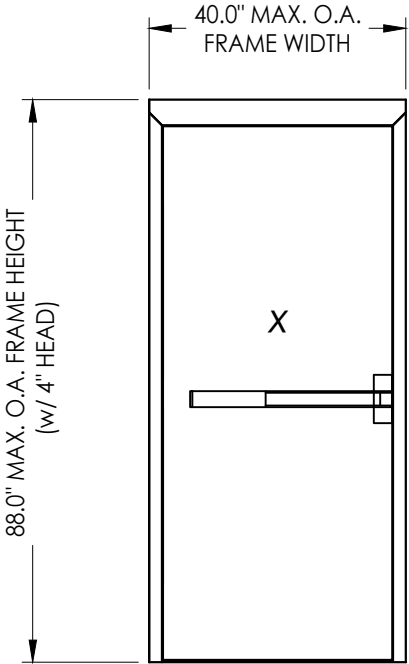
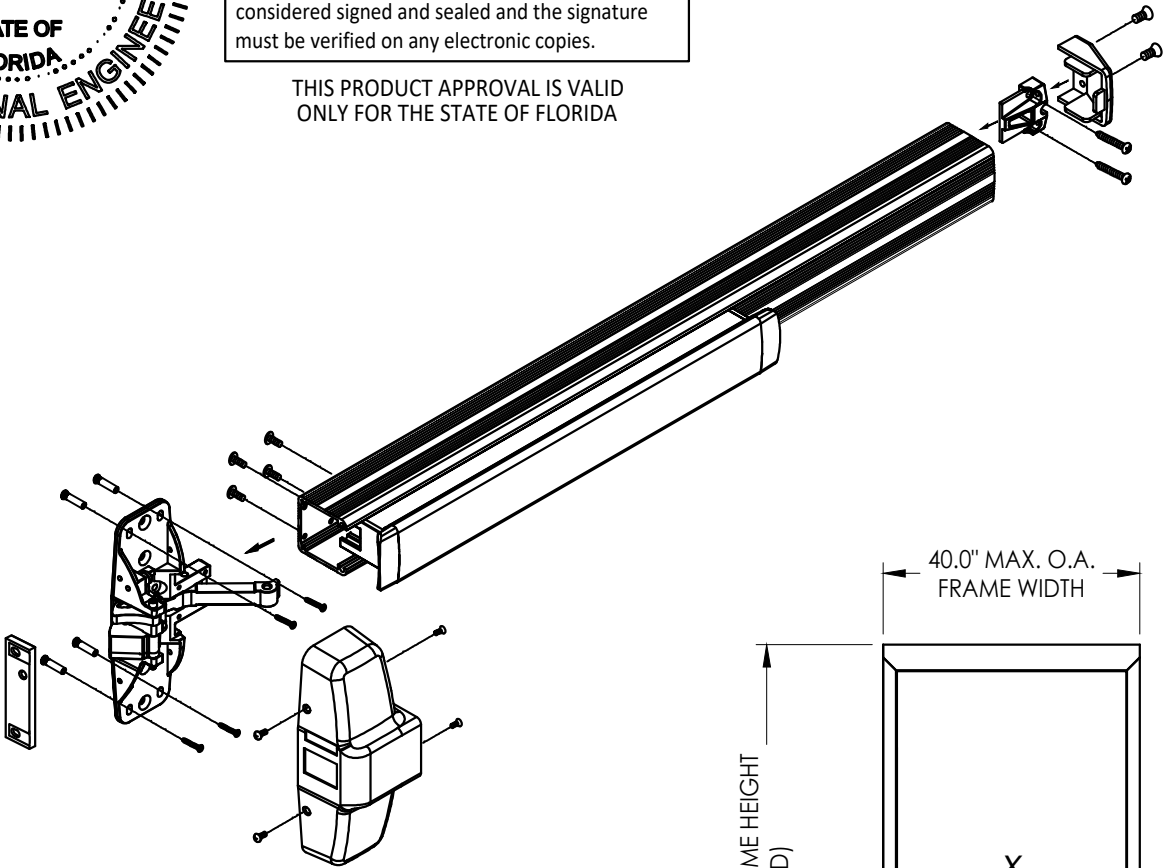
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

"7700 Series" FIRE EXIT DEVICE in a STEEL COMMERCIAL DOOR

OUTSWING "IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. This product has been tested in the door panels as specified in this approval. Substitution into a similar product may be approved for use by the local Authority Having Jurisdiction. In all cases, the steel door used must possess a comparable current Florida Statewide product approval. The door panel size and design pressure (DP) rating shall not exceed the sizes and DP ratings shown in this approval or the steel side hinged swing door approval being used.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product does not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
7. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.



"7700 Series" Fire Exit Device

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	"7700 Series" details
3	Door panel details

CONFIGURATION	MAX FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE
SINGLE	40.00" x 88.00"	"7700 Series" (CAL-ROYAL)	+70.0	-70.0

Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
CAL-ROYAL
FIRE EXIT DEVICE

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS																										
		6	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	5	11/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC	JK	3	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK	2	8/14/14	UPDATE DOOR PANEL DETAILS	LFS	1	2/14/12	UPDATE TO 2010

DATE: 5/12/11

SCALE: N.T.S.

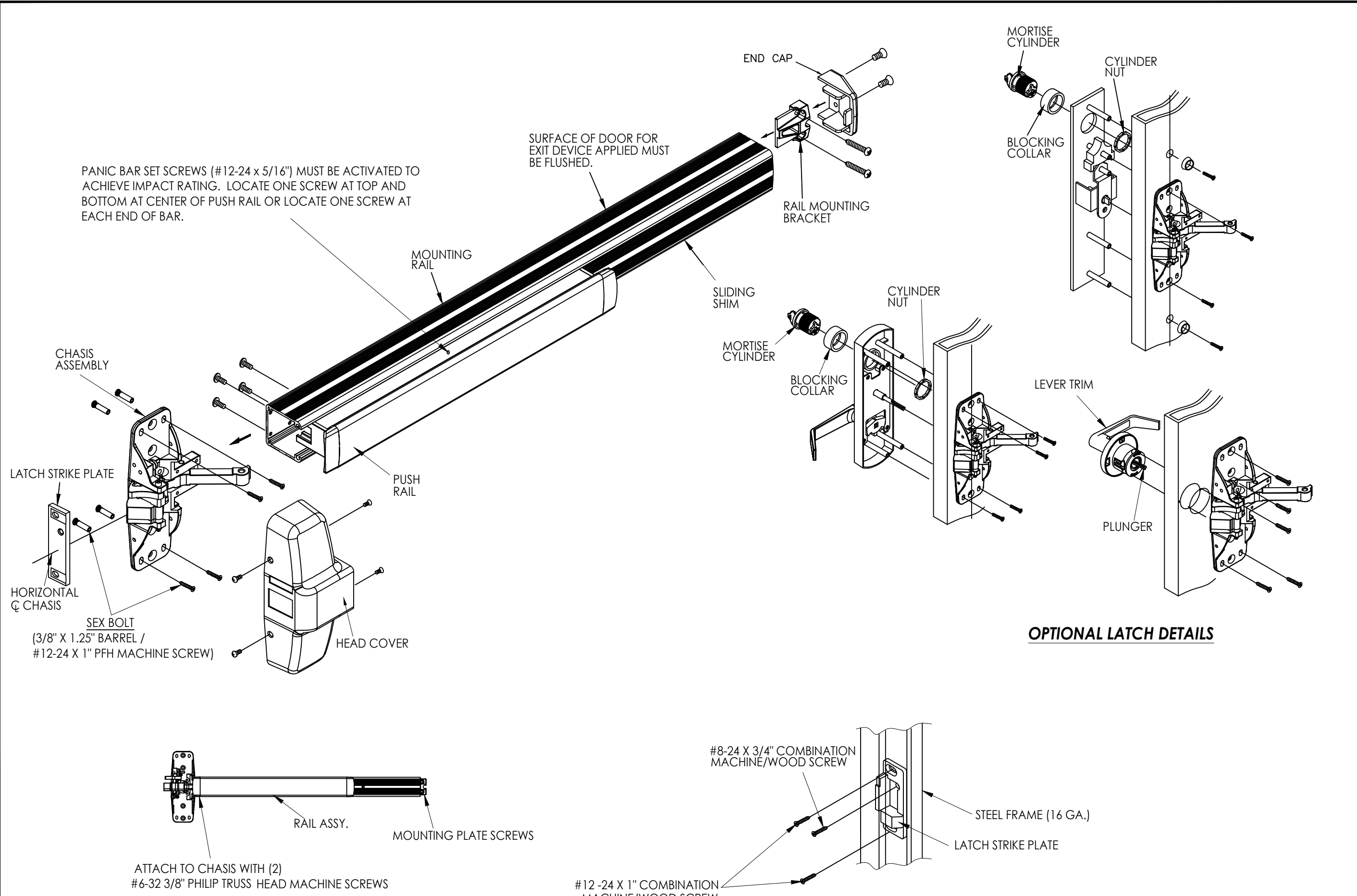
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-13922.7

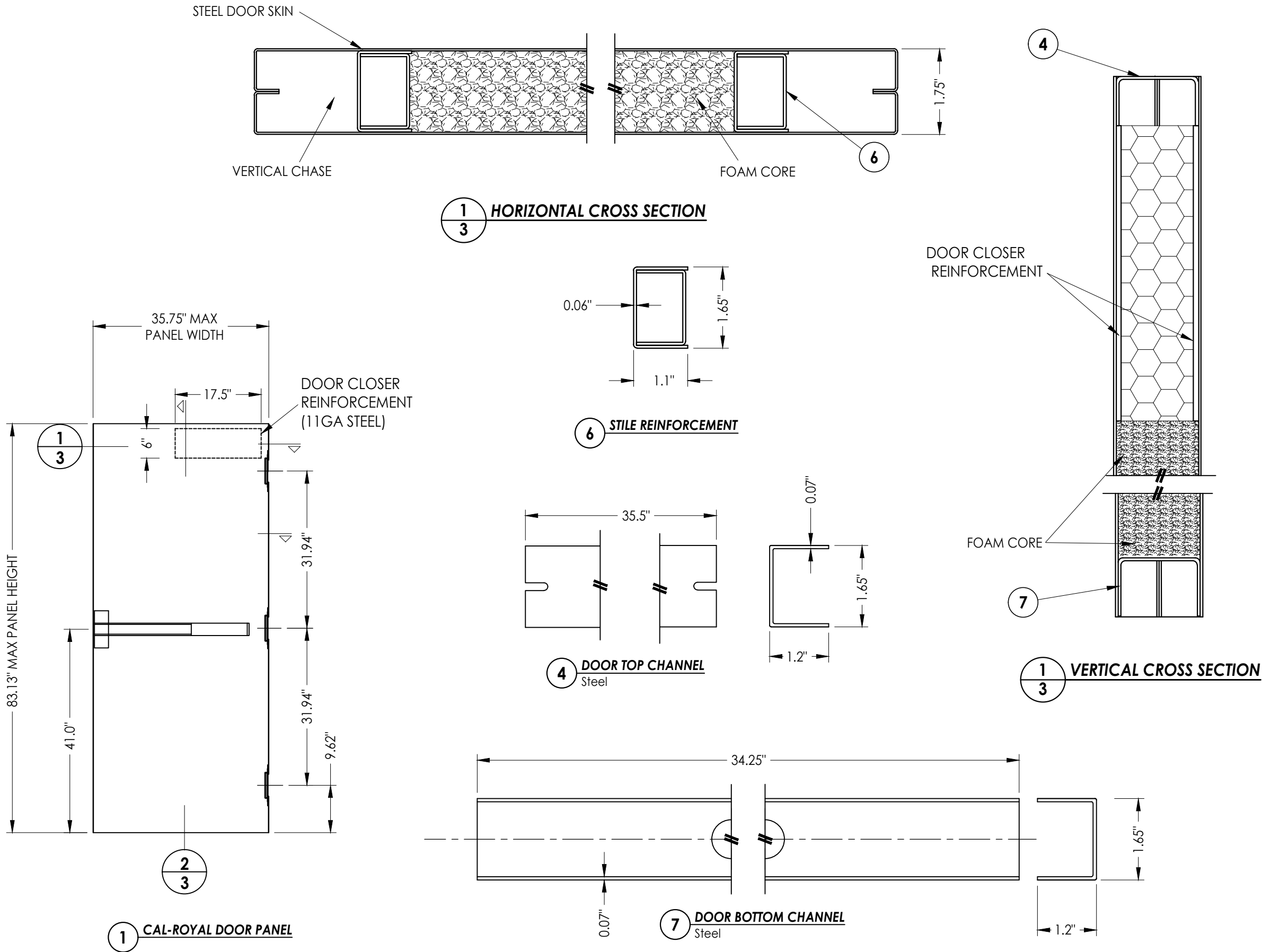
SHEET 1 OF 3

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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		
PRODUCT: CAL-ROYAL FIRE EXIT DEVICE		PART OR ASSEMBLY: "7700 SERIES" DETAILS		
6	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
5	11/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC	JK
3	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK
2	8/14/14	UPDATE DOOR PANEL DETAILS		LFS
1	2/14/12	UPDATE TO 2010 FBC		JK
NO.	DATE			BY
REVISIONS				
DATE: 5/12/11				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-13922.7				
SHEET 2 OF 3				

Z:\2023 FBC Drawings\CAL-ROYAL\FL-13922 R9\FL-13922.7-8.dwg



STEEL DOOR SKIN (18 GA.): MIN. 0.045" THK.
STEEL GRADE: ASTM A1008 GALV. STEEL (F_y = 33,000 PSI MIN.)
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: CAL-ROYAL FIRE EXIT DEVICE				PART OR ASSEMBLY: DOOR PANEL DETAILS			
6	7/07/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	REVISIONS		
5	11/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC	JK			
3	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK			
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NO.		DATE					
DATE: 5/12/11							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-13922.7							
SHEET 3		OF 3					