

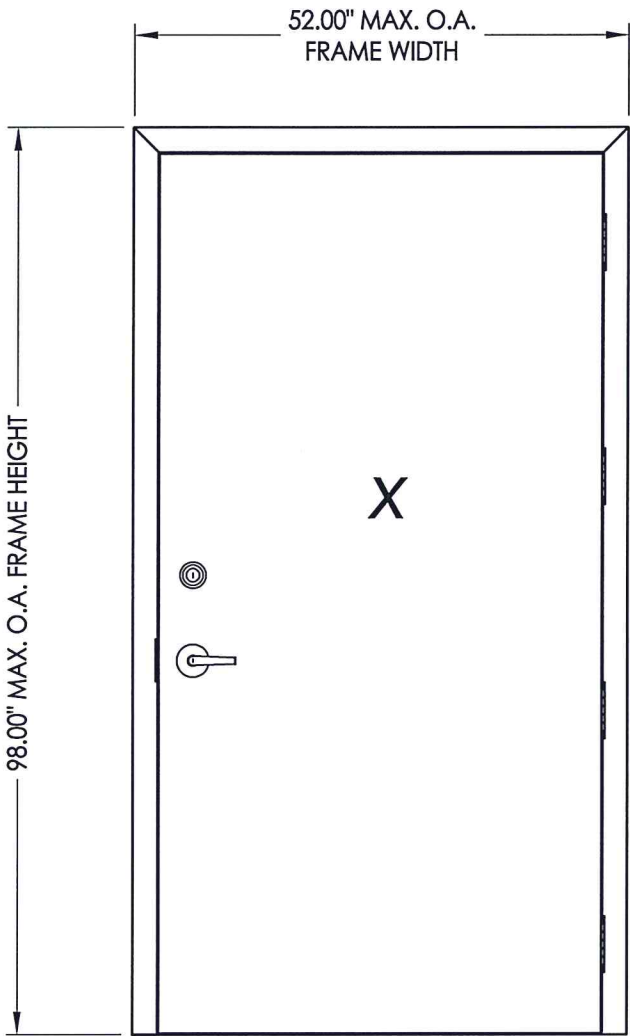


**DKS SERIES 1800
STEEL COMMERCIAL DOOR
OUTSWING
"IMPACT"**

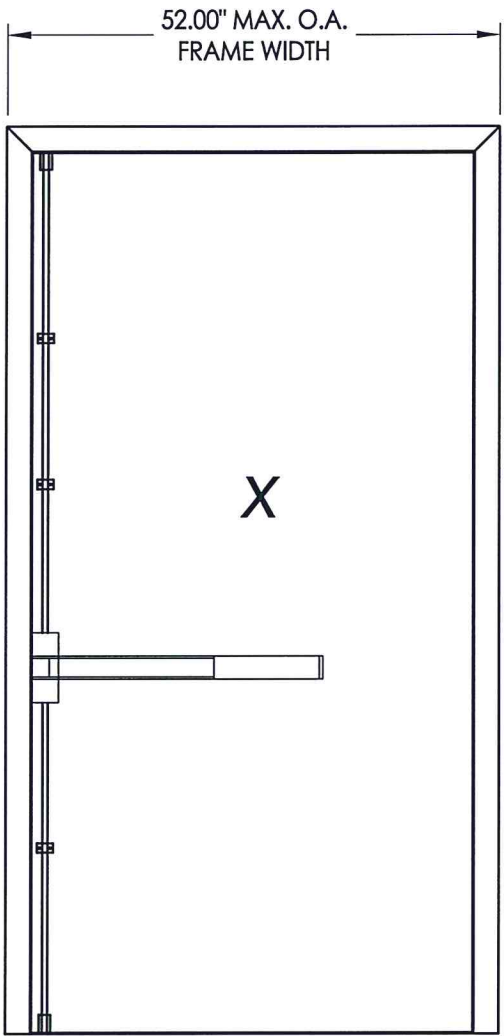
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements excluding 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 areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Door panel details
3	Horizontal and vertical cross sections
4	Frame anchoring
5	Bill of materials and components

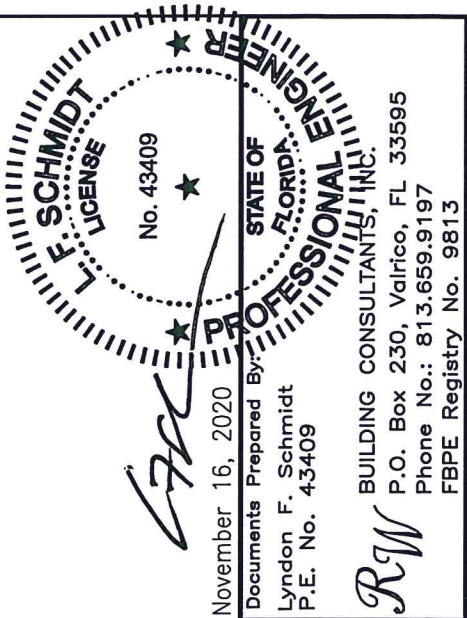


161 Latch & Deadbolt
"Pioneer SL/CSL Series" Latch
"T300 Series" Deadbolt



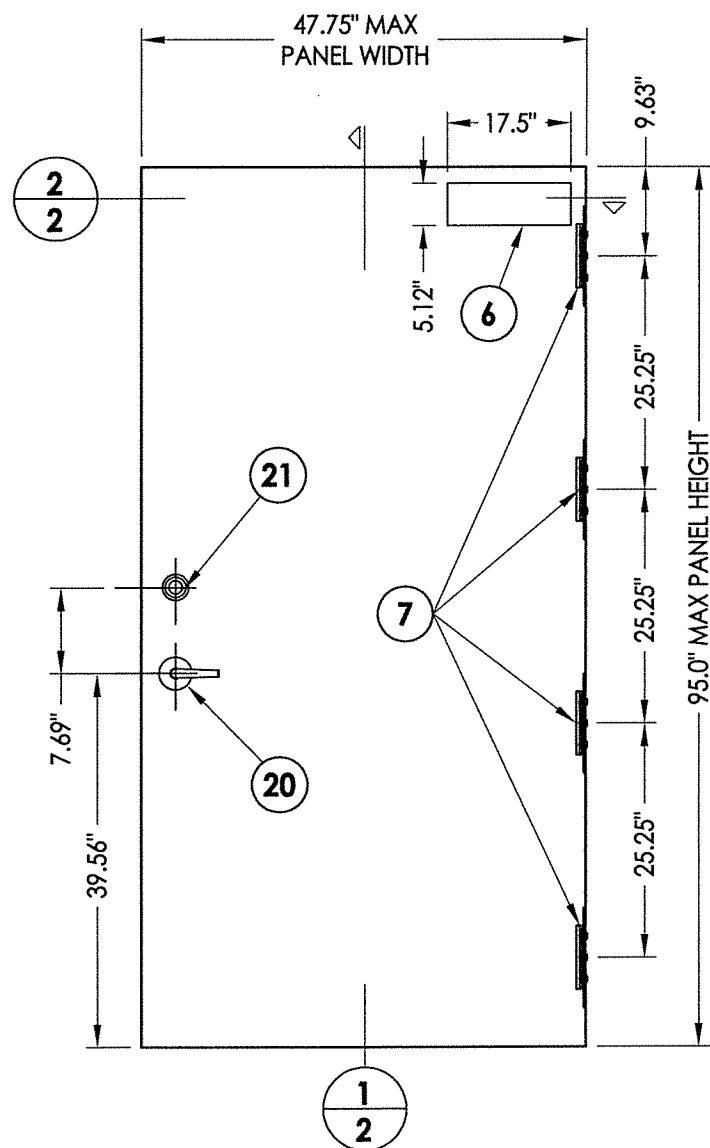
Panic Bar Exit Device w/ Vertical Rods "7700-V Series"

OVERALL FRAME DIMENSION	LOCK TYPE	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
52.00" x 98.00"	161 LATCH & DEADBOLT "PIONEER SL/CSL & T300 Series"	+80.0	-80.0
40.00" x 98.00"	PANIC BAR EXIT DEVICE w/ VERTICAL RODS "7700-V Series"	+70.0	-70.0
52.00" x 98.00"	PANIC BAR EXIT DEVICE w/ VERTICAL RODS "7700-V Series"	+50.0	-50.0



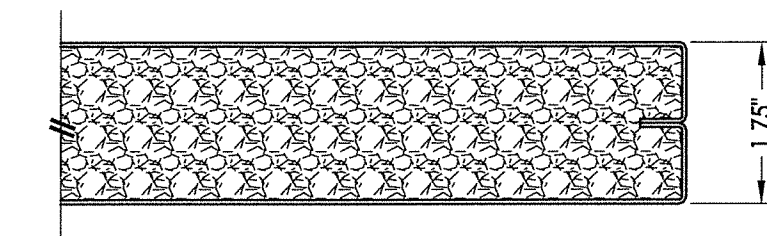
DATE: 3/31/10						PRODUCT: CAL—ROYAL STEEL COMMERCIAL DOOR	
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-13624.1							
SHEET	<u>1</u>	OF	<u>5</u>				
				NO.	DATE		
				5	11/16/20	UPDATE TO 7TH ED. (2020)	FBC
				4	9/27/17	UPDATE TO 6TH ED. (2017)	FBC
				3	1/27/15	UPDATE TO 5TH ED. (2014)	FBC
				2	7/31/14	ADD PANIC BAR HARDWARE	LFS
				1	1/26/12	UPDATE TO 2010 FBC	JK
				PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
				REVISIONS			
							LFS
							JK
							BY

2 HORIZONTAL CROSS SECTION
2 Door panel

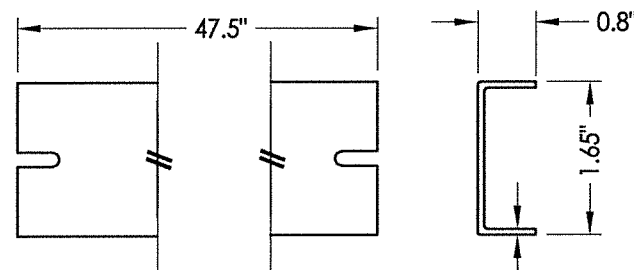


1 CAL-ROYAL STEEL DOOR PANEL

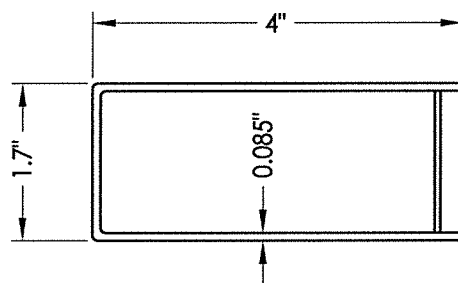
STEEL DOOR SKIN (18 GA.): MIN. 0.045" THK.
STEEL GRADE: ASTM A1008 GALV. STEEL (Fy = 33,000 PSI MIN.)
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)



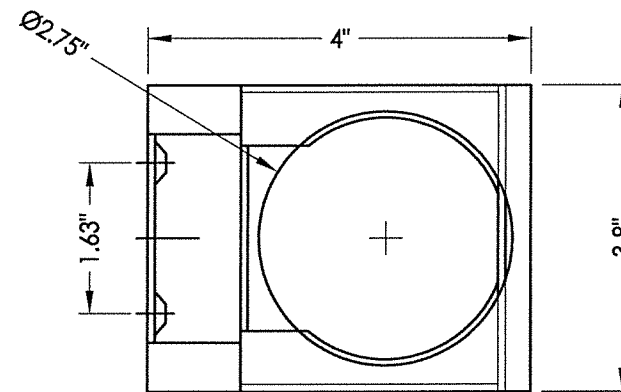
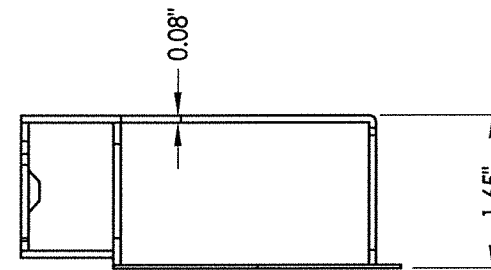
4 FLUSH TOP CHANNEL



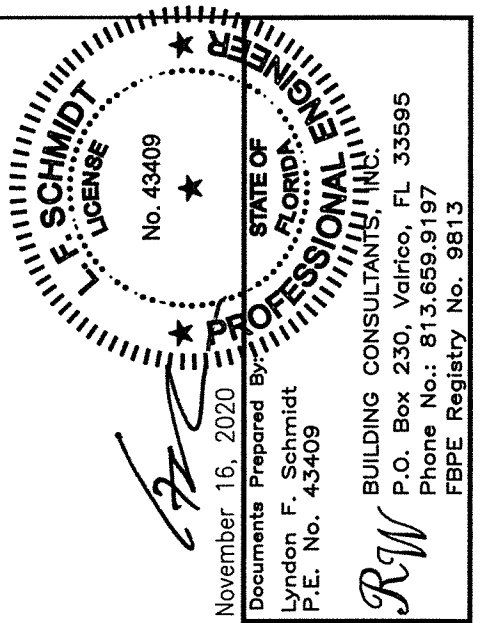
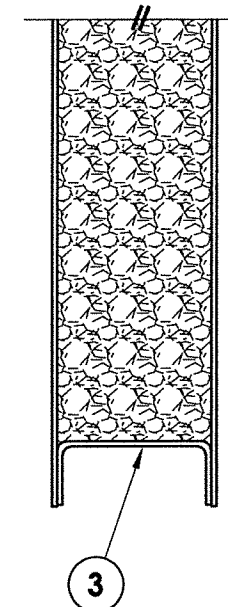
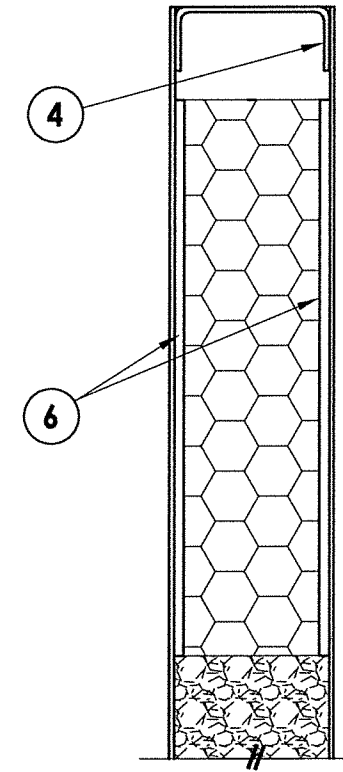
5A STEEL LOCK BOX REINFORCEMENT



5 STEEL LOCK BOX REINFORCEMENT

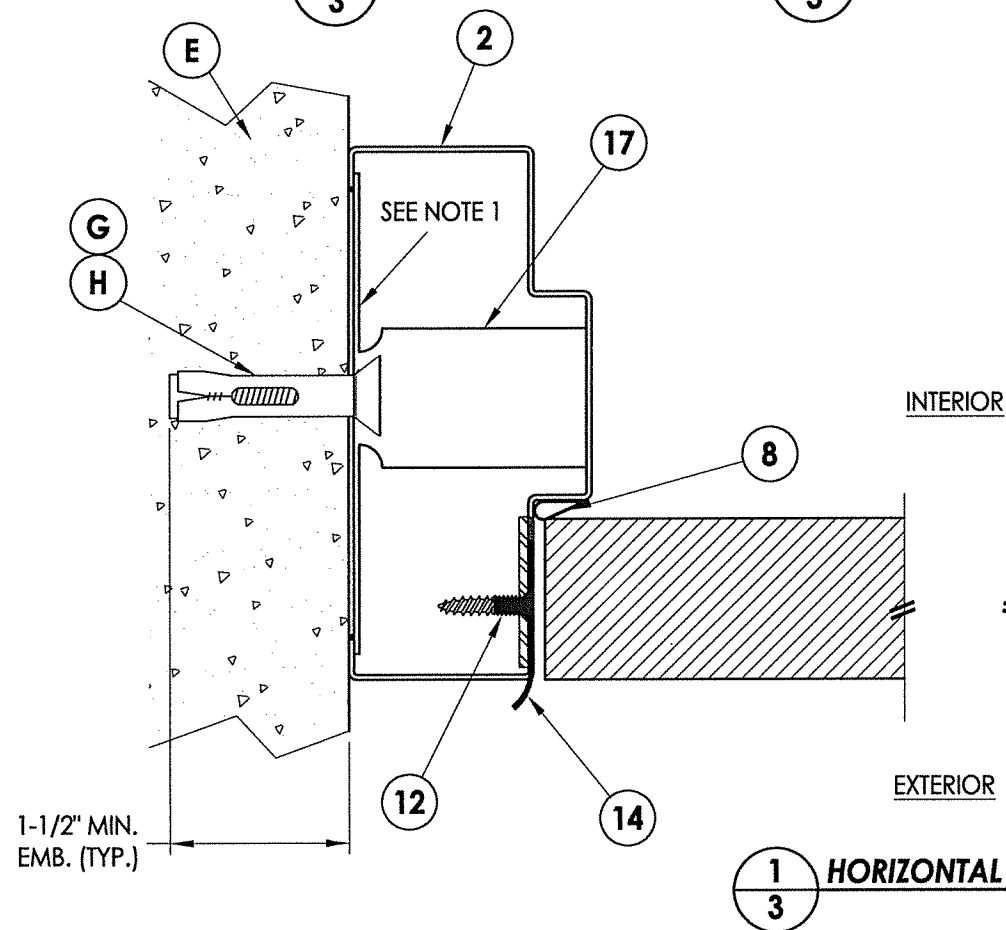


1 VERTICAL CROSS SECTION
2 Door panel

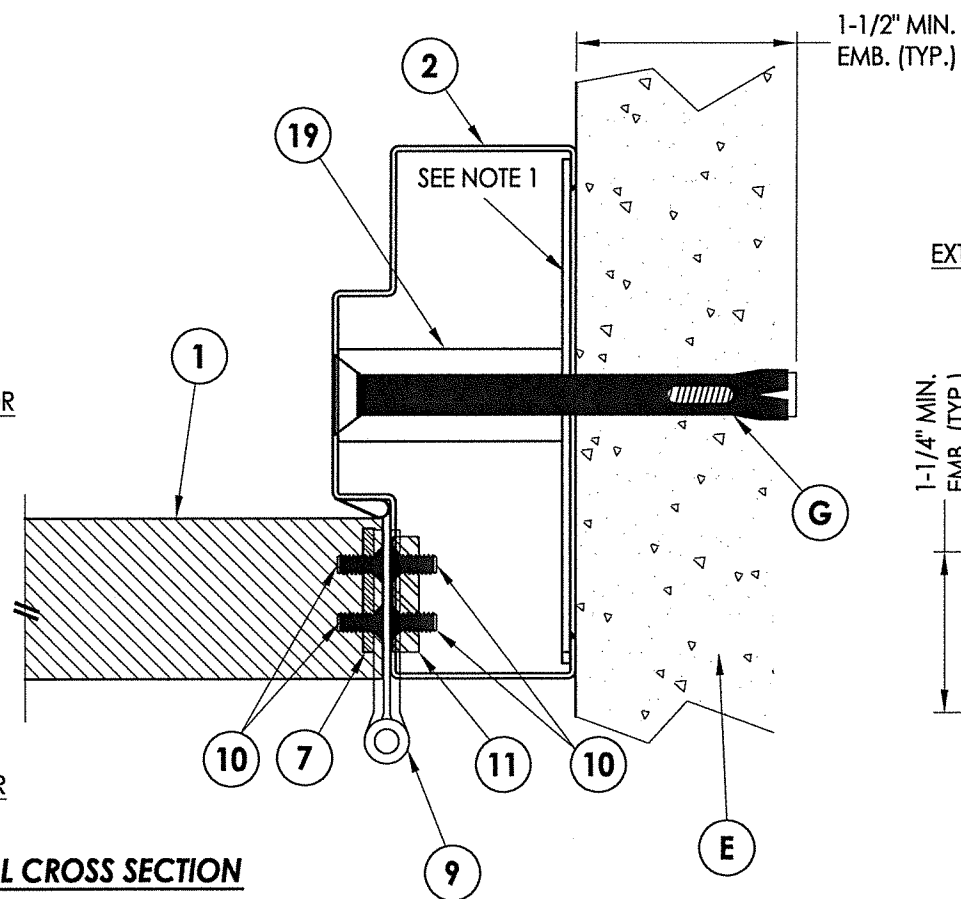


DATE: 3/31/10		PRODUCT: CAL-ROYAL	
SCALE: N.T.S.		STEEL COMMERCIAL DOOR	
DWG. BY: JK		PART OR ASSEMBLY:	
CHK. BY: LFS		DOOR PANEL DETAILS	
DRAWING NO.: FL-13624.1			
SHEET 2 OF 5			
5	11/16/20	UPDATE TO 7TH ED. (2020) FBC	LFS
4	9/27/17	UPDATE TO 6TH ED. (2017) FBC	JK
3	1/27/15	UPDATE TO 5TH ED. (2014) FBC	JK
2	7/31/14	ADD PANIC BAR HARDWARE	JK
1	1/26/12	UPDATE TO 2010 FBC	JK
NO.	DATE		BY
REVISIONS			

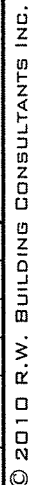
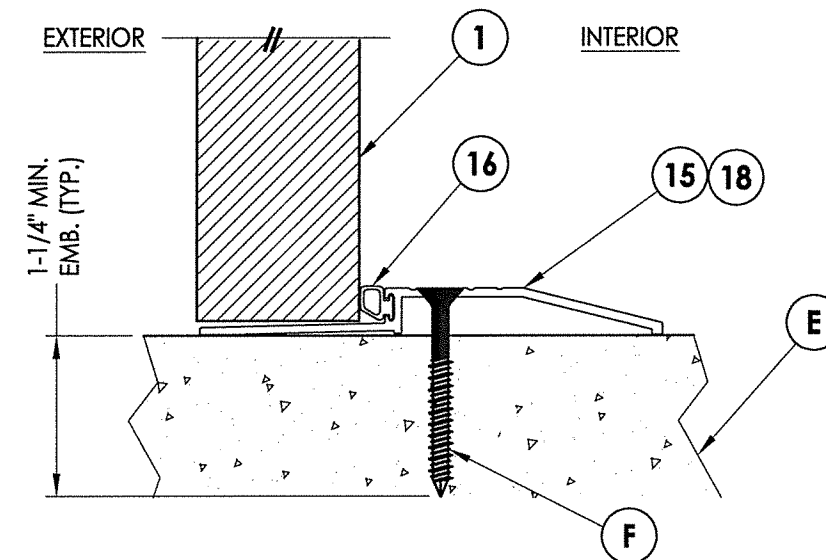
2 VERTICAL CROSS SECTION
3 Outswing configuration



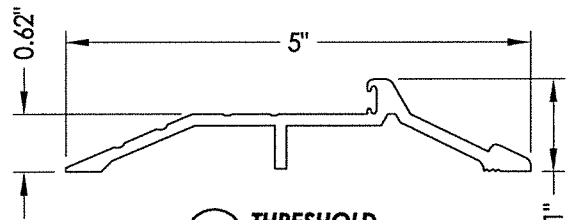
1 **HORIZONTAL CROSS SECTION**



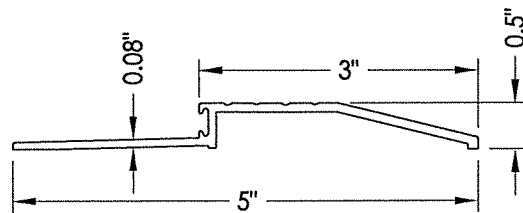
3 VERTICAL CROSS SECTION
3 Outswing configuration



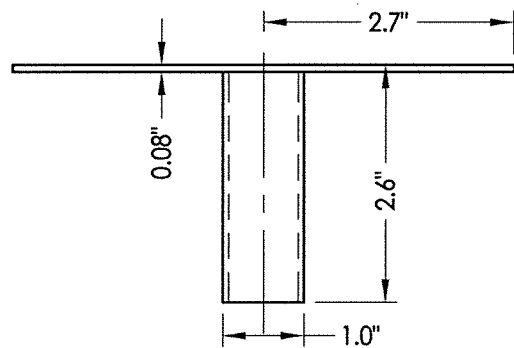
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 2-1/4" ITW PFH CONCRETE SCREW	STEEL
G	3/8" PFH ITW DYNABOLT SLEEVE ANCHOR	STEEL
H	3/8" PFH TAPPER CONCRETE SCREW BY POWERS FASTENERS	STEEL
1	DOOR PANEL	STEEL
2	HOLLOW FRAME 2"	STEEL
3	BOTTOM CHANNEL	STEEL
4	FLUSH TOP CHANNEL	STEEL
5	LOCK BOX REINFORCEMENT	STEEL
5A	LOCK BOX REINFORCEMENT	STEEL
6	DOOR CLOSER REINFORCEMENT (11 GA.)	STEEL
7	DOOR HINGE REINFORCEMENT	STEEL
8	WEATHERSTRIP - COMPRESSION BULB 1/4" X 1/2" (PEMKO S88)	NEOPRENE
9	4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE	STEEL
10	#12-24 X 1/2" PFH MACHINE SCREW	STEEL
11	FRAME HINGE REINFORCEMENT	STEEL
12	#12-24 X 1" COMBINATION MACHINE / WOOD SCREW	STEEL
13	DEAD BOLT STRIKE	STEEL
14	ANSI LATCH STRIKE	STEEL
15	THRESHOLD (PEMKO #181_T)	ALUM
16	WEATHERSTRIP (THERMOSEAL™)	NEOPRENE
17	UNIVERSAL WALL ANCHOR REINFORCEMENT	STEEL
18	THRESHOLD (PEMKO 2001P)	ALUM
19	TUBE ANCHOR REINFORCEMENT	STEEL
20	CAL-ROYAL PIONEER SL/CSL SERIES GRADE 2 CYLINDRICAL LOCK	-
21	CAL-ROYAL T300 MAX. SECURITY HEAVY-DUTY DEAD BOLT GRADE 2 LOCK	-
22	#8-24 X 3/4" COMB. MACHINE / WOOD SCREW	STEEL
23	CAL-ROYAL 7700-V SERIES VERTICAL ROD EXIT DEVICE	-
90	VERTICAL ROD LATCH STRIKE PLATE @ HEAD	STEEL
91	VERTICAL ROD LATCH STRIKE PLATE @ SILL	STEEL



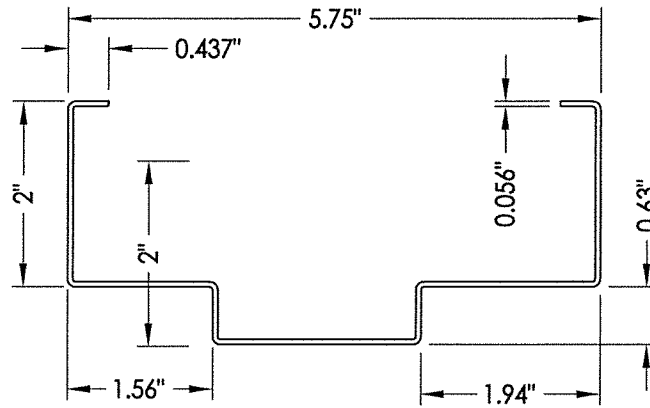
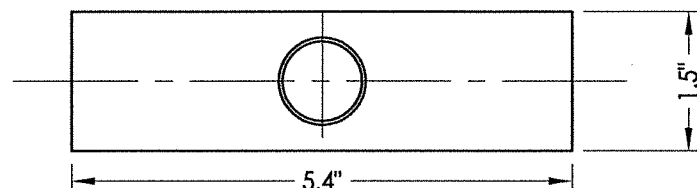
15 THRESHOLD



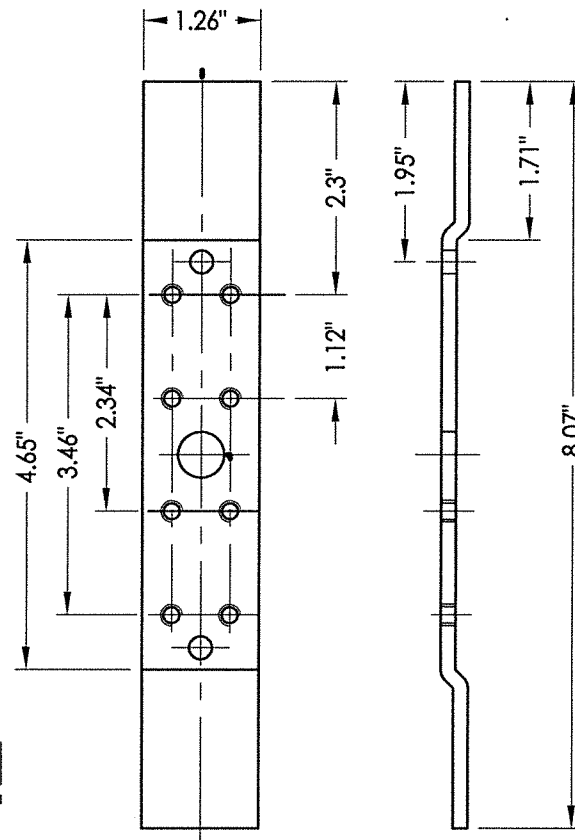
18 THRESHOLD



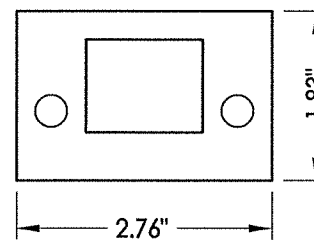
19 TUBE ANCHOR



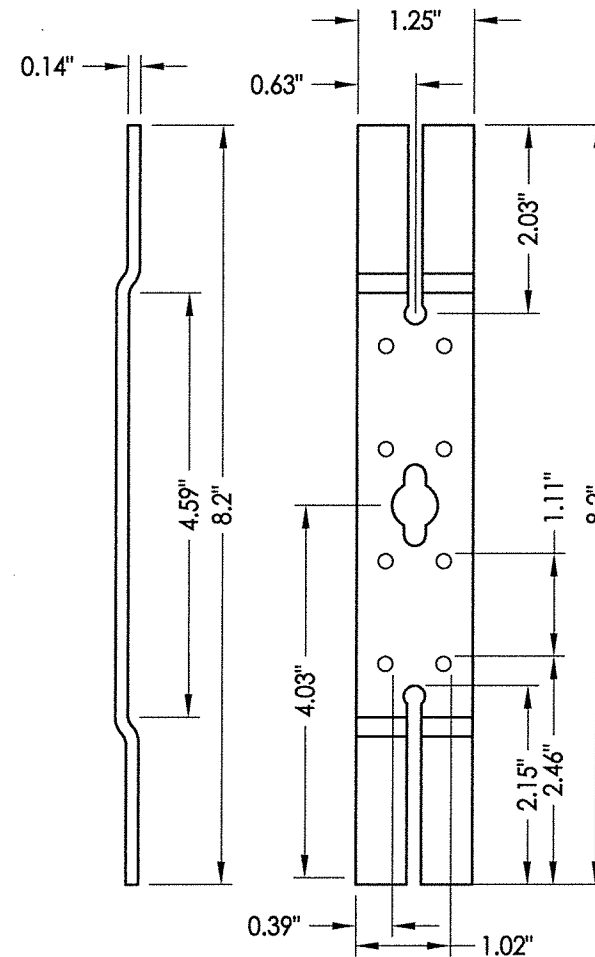
2 **FRAME**
16 Ga. Steel



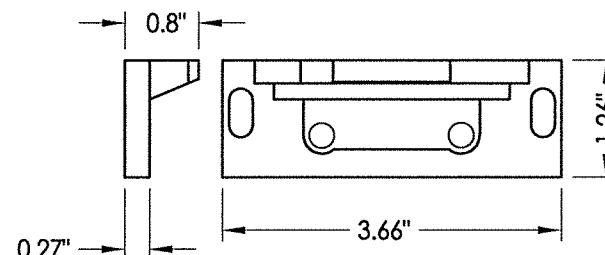
11 FRAME HINGE REINFORCEMENT



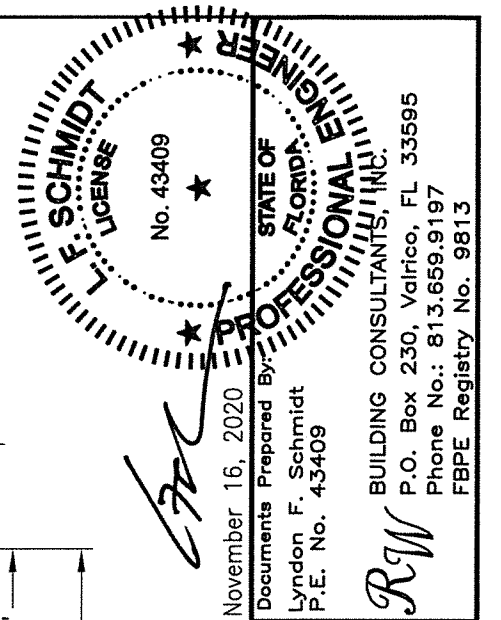
91 VERTICAL ROD LATCH STRIKE PLATE
@ Sill



7 DOOR HINGE REINFORCEMENT
8 Ga. Steel



90 VERTICAL ROD LATCH STRIKE PLATE
@ Head



November 16, 2020

Documents Prepared

Lyndon F. Schmidt
P.E. No. 43409

DEVELOPING BUILDING

Phone No. **2000**

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