



6605 Flotilla Street
City of Commerce
CA 90040

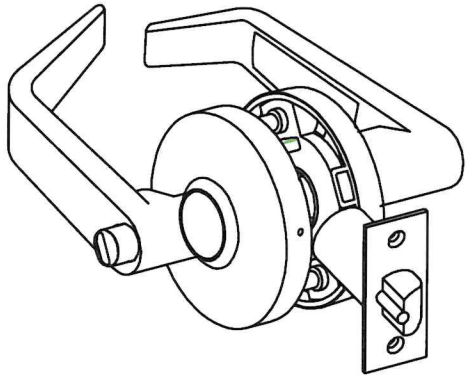
"Pioneer Series" CYLINDRICAL LOCK &
"T300 Series" DEADBOLT
in a
STEEL COMMERCIAL DOOR

INSWING / OUTSWING
"IMPACT"

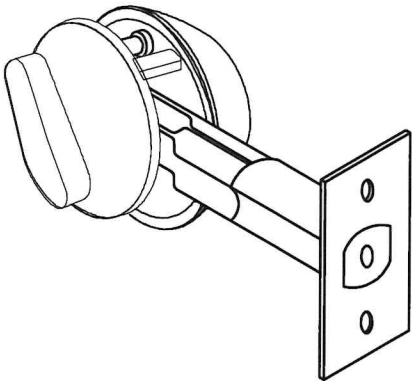
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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 includes Wind Zone 4 as defined in ASTM E1996.
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.

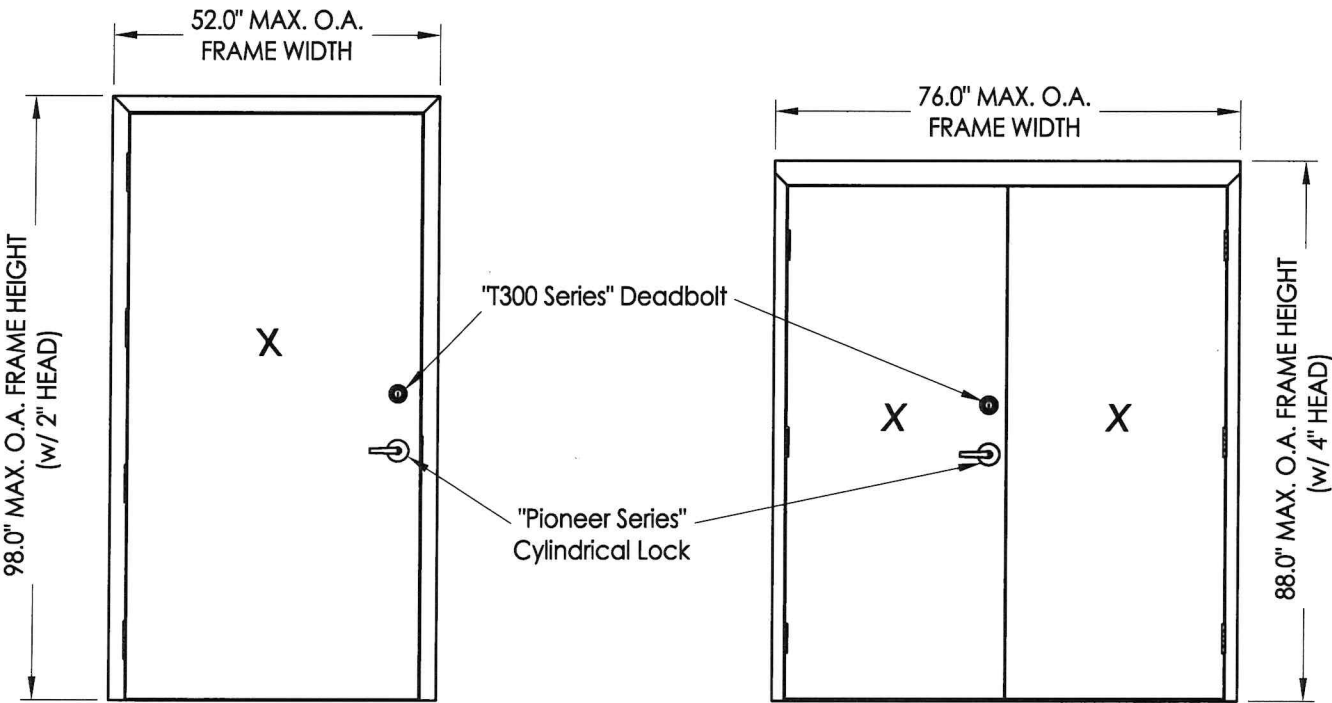
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SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	"Pioneer Series" lock details
3	"T300 Series" deadbolt details
4	Door panel details (7' active panel)
5	Door panel details (7' inactive panel)
6	Door panel details (8' active panel)



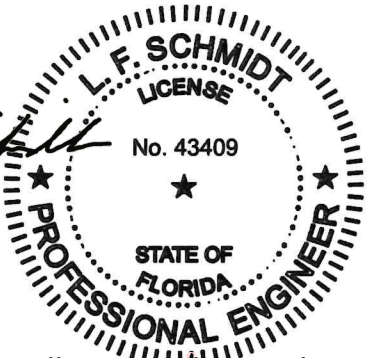
"Pioneer Series" Cylindrical Lock



"T300 Series" Deadbolt



CONFIGURATION	MAX FRAME DIMENSION	LOCK & DEADBOLT TYPE	DESIGN PRESSURE (PSF)			
			INSWING		OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
SINGLE	40.0" x 88.0"	"Pioneer Series" Cylindrical Lock & "T300 Series" Deadbolt (CAL-ROYAL)	+55.0	-55.0	+80.0	-80.0
SINGLE	52.0" x 98.0"		N/A	N/A	+80.0	-80.0
DOUBLE	76.0" x 88.0"		+55.0	-55.0	+55.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.20 15:48:41 -04'00'

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

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

RW

PRODUCT: CAL-ROYAL
LOCK AND DEADBOLT

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

NO.	DATE	REVISIONS			
		BY	LFS	FBC	
9	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC	
8	7/05/23	UPDATE TO 8TH ED.	(2023)	FBC	
7	11/16/20	UPDATE TO 7TH ED.	(2020)	FBC	

DATE: 7/7/10

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

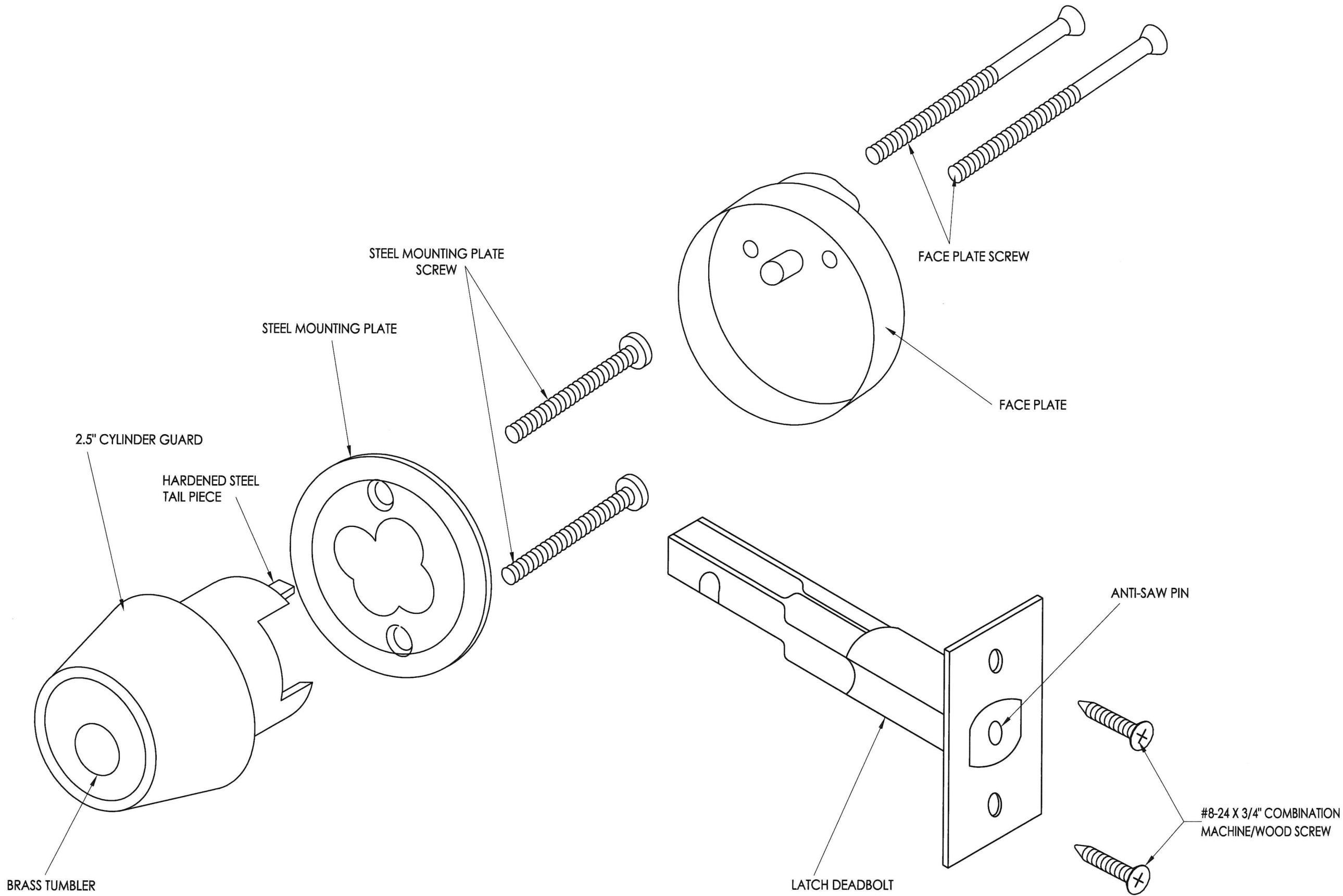
FL-13922.2

SHEET 1 OF 6

DATE:	7/7/10
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-13922.2
SHEET	2 OF 6

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Z:\2023 FBC Drawings\CAL-ROYAL\FL-13922 R10\FL-13922.2-3.dwg



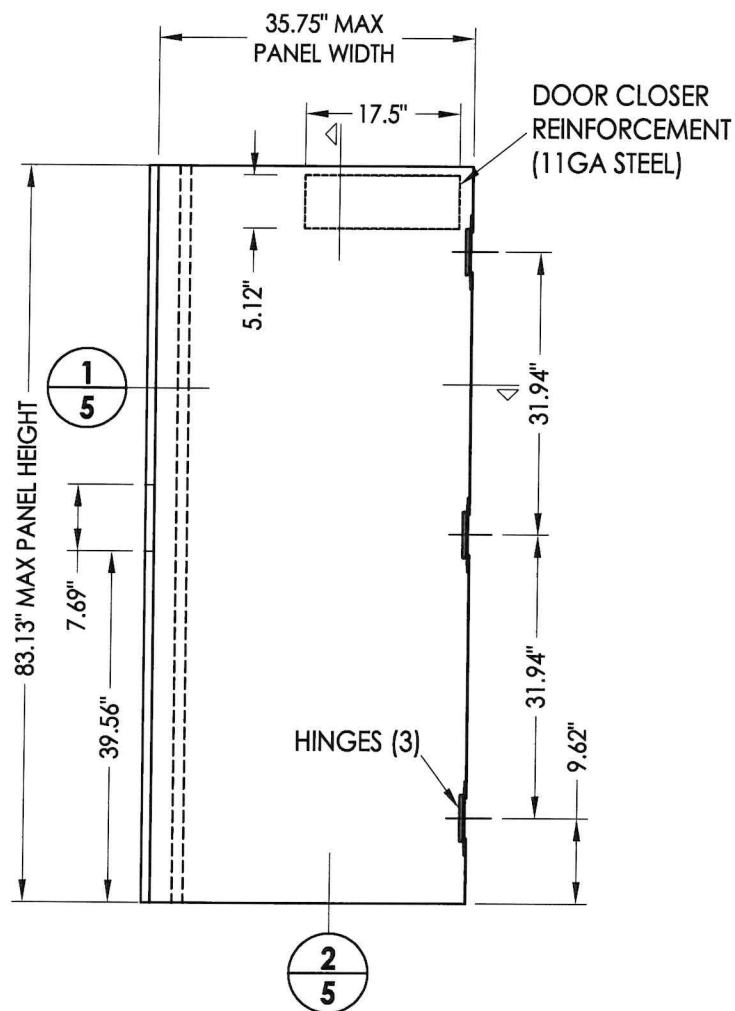
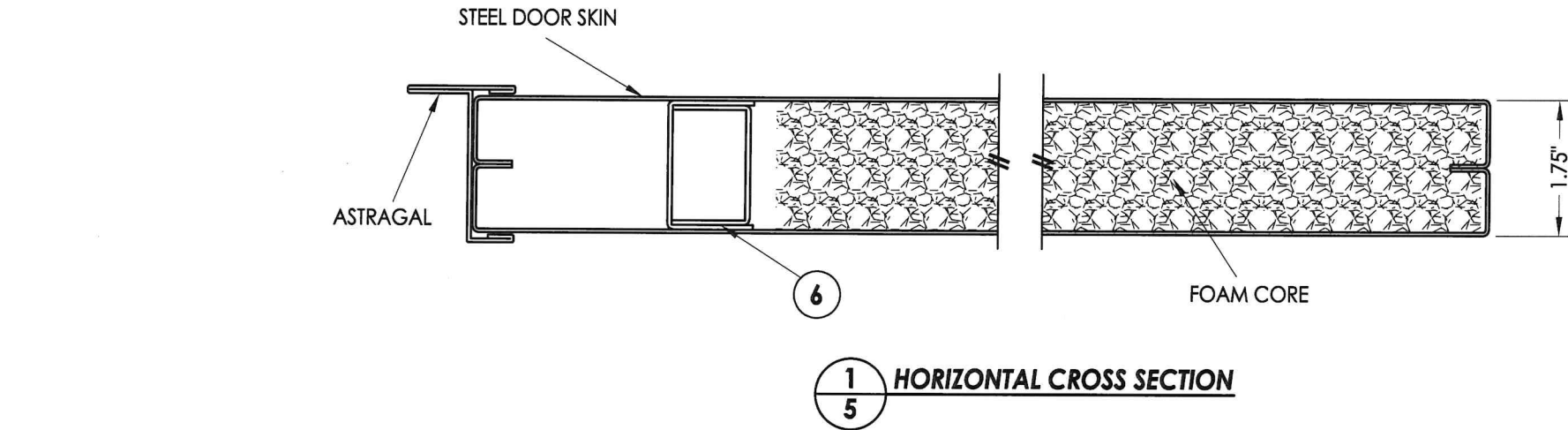
PRODUCT: CAL-ROYAL LOCK AND DEADBOLT				PART OR ASSEMBLY: "T300 Series" DEADBOLT DETAILS			
				LFS	FBC	LFS	FBC
				LFS	FBC	LFS	FBC
				BY			
				REVISIONS			
				NO.	DATE		
9	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
8	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
7	11/16/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
DATE: 7/7/10							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-13922.2							
SHEET 3 OF 6							

Documents Prepared By:
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R^W

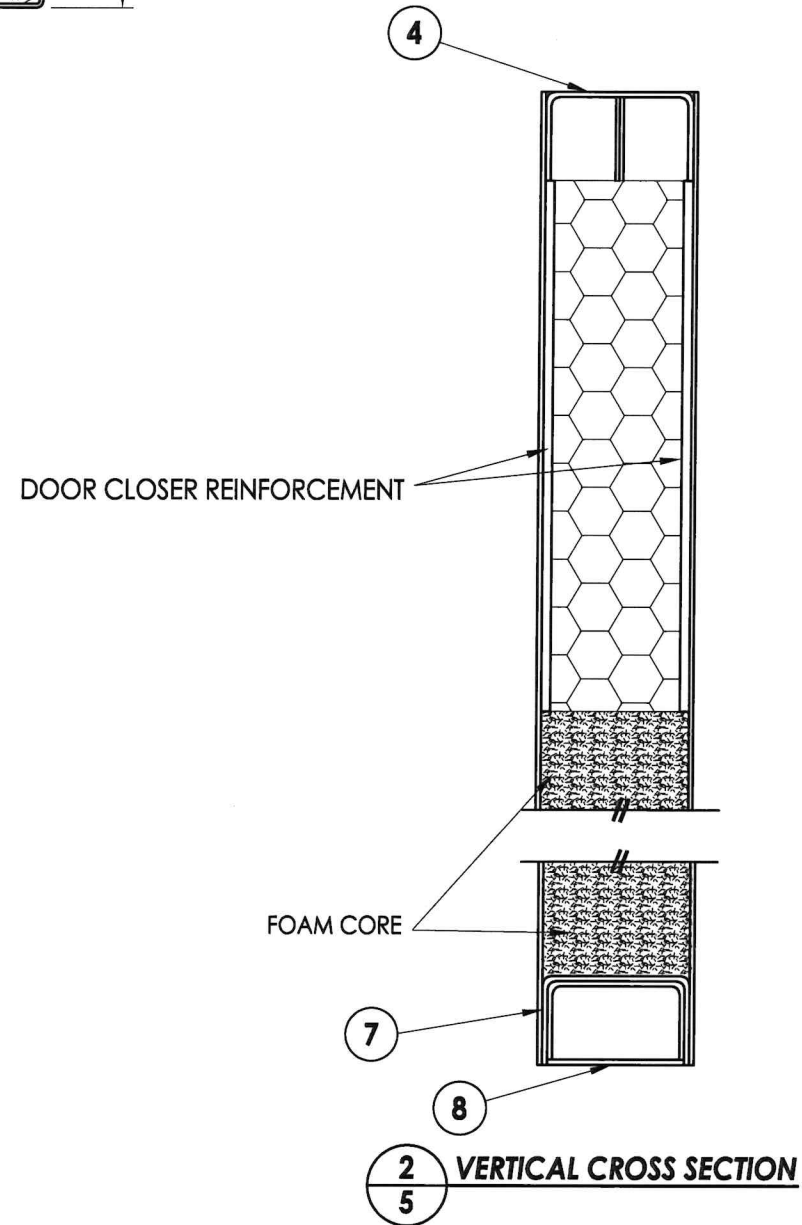
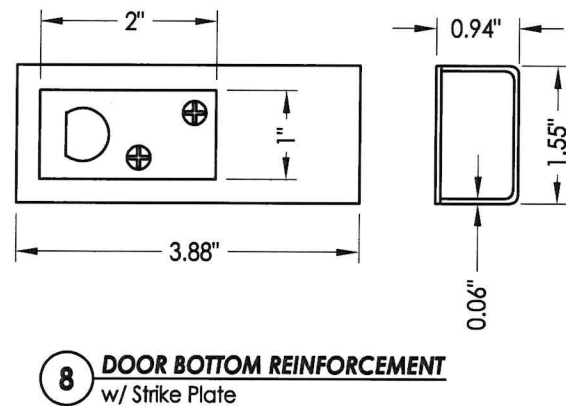
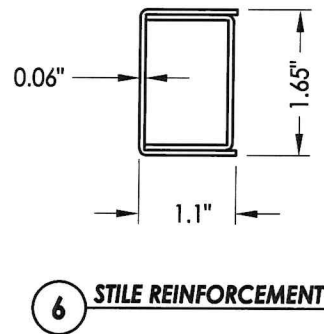
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7" Inactive Door Panel w/ Flushbolt @ head and sill

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)



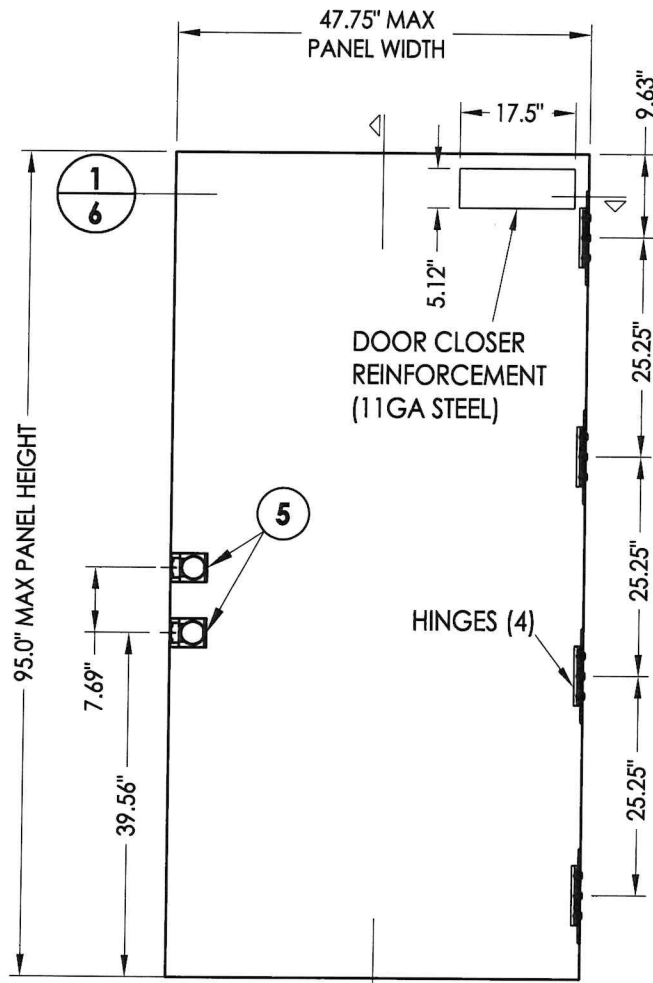
NO.	DATE	REVISIONS
9	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
8	7/05/23	UPDATE TO 8TH ED. (2023) FBC LFS
7	11/16/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 7/7/10
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-13922.2
SHEET 5 OF 6

PRODUCT: CAL-ROYAL LOCK AND DEADBOLT
PART OR ASSEMBLY: DOOR PANEL DETAILS (7' inactive panel)

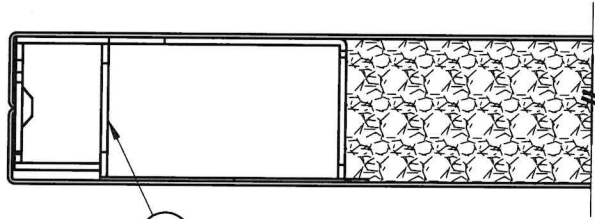
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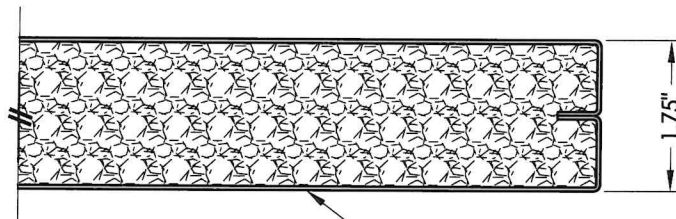


3 CAL-ROYAL STEEL DOOR PANEL
8' Active Door Panel

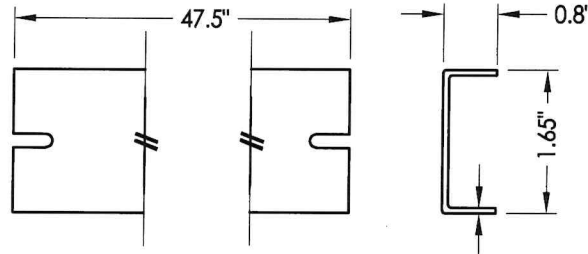
STEEL DOOR SKIN (18 GA.): MIN. 0.045" THK.
STEEL GRADE: ASTM A1008 GALV. STEEL (Fy = 33,000 PSI MIN.)
CORE MATERIAL: EPS FOAM (POLYSTYRENE - 1.0 PCF MIN. DENSITY)



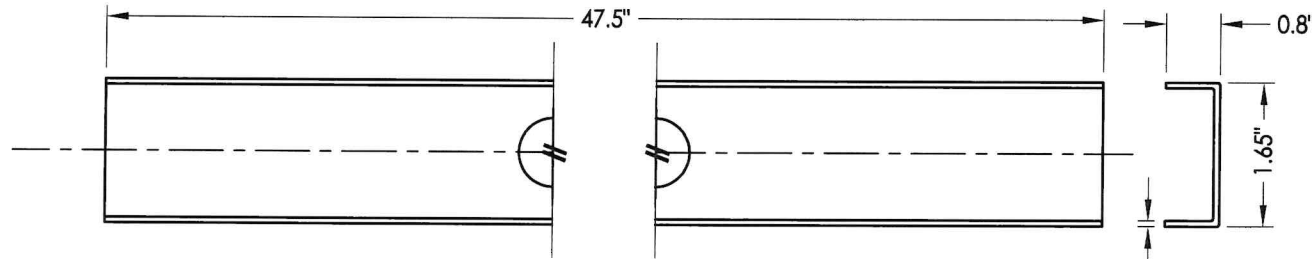
1 HORIZONTAL CROSS SECTION



STEEL DOOR SKIN

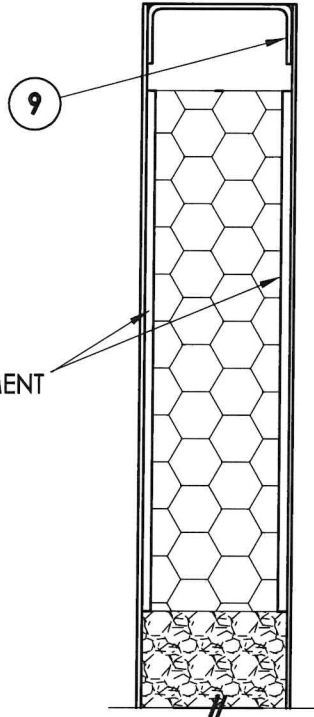


9 FLUSH TOP CHANNEL
Steel

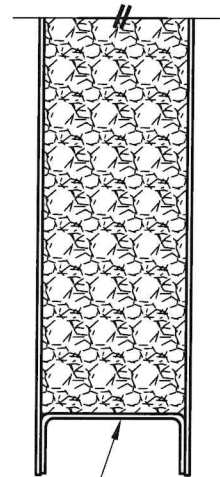


10 BOTTOM CHANNEL
Steel

DOOR CLOSER REINFORCEMENT



1 VERTICAL CROSS SECTION



10

DATE: 7/7/10

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-13922.2

SHEET 6 OF 6

Documents Prepared By:
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PRODUCT: CAL-ROYAL
LOCK AND DEADBOLT

PART OR ASSEMBLY:
DOOR PANEL DETAILS
(8' active panel)

NO.	DATE	REVISIONS
9	7/02/26	UPDATE TO 9TH ED. (2026) FBC
8	7/05/23	UPDATE TO 8TH ED. (2023) FBC
7	11/16/20	UPDATE TO 7TH ED. (2020) FBC
6		
5		
4		
3		
2		
1		