

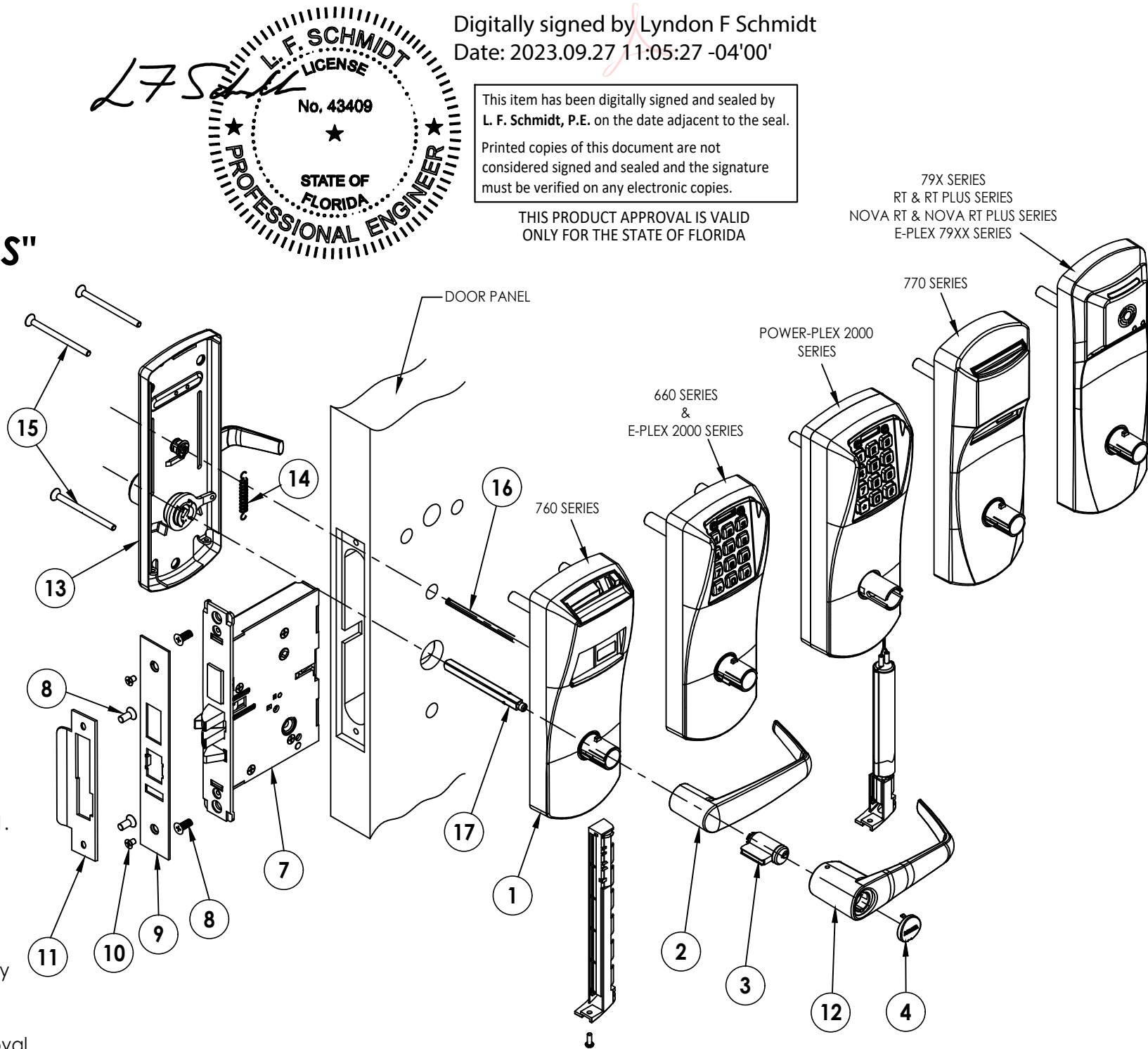


SERIES "660" "760" "770" "79X"
"RT" "RT PLUS" "NOVA RT" "NOVA RT PLUS"
"E-PLEX 79XX" "E-PLEX 2000"
"POWER-PLEX 2000"
ELECTRONIC MORTISE LOCKS
"IMPACT"

GENERAL NOTES

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 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.
- 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	Lock details, design pressures and general notes
2	Door panel details
3	Horizontal and vertical cross sections
4	Buck and frame anchoring
5	Bill of materials and components



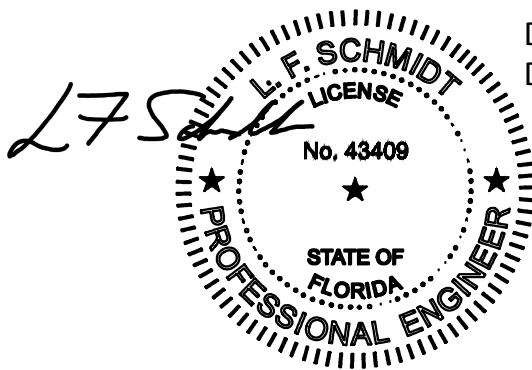
MAX FRAME DIMENSION	LOCK MODEL	DOOR PANEL	DESIGN PRESSURE (PSF)			
			INSWING		OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
39" x 85"	"660" "760" "770" "79X" "RT" "RT PLUS" "NOVA RT" "NOVA RT PLUS" "E-PLEX 79XX" "E-PLEX 2000" "POWER-PLEX 2000"	TRU-TECH STEEL DOOR	+60.0	-65.0	+65.0	-65.0

Note: The outswing unit requires the use of the automatic deadbolt option.

Digitally signed by Lyndon F Schmidt
Date: 2023.09.27 11:05:27 -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



79X SERIES
RT & RT PLUS SERIES
NOVA RT & NOVA RT PLUS SERIES
E-PLEX 79XX SERIES

770 SERIES

POWER-PLEX 2000
SERIES

660 SERIES
&
E-PLEX 2000 SERIES

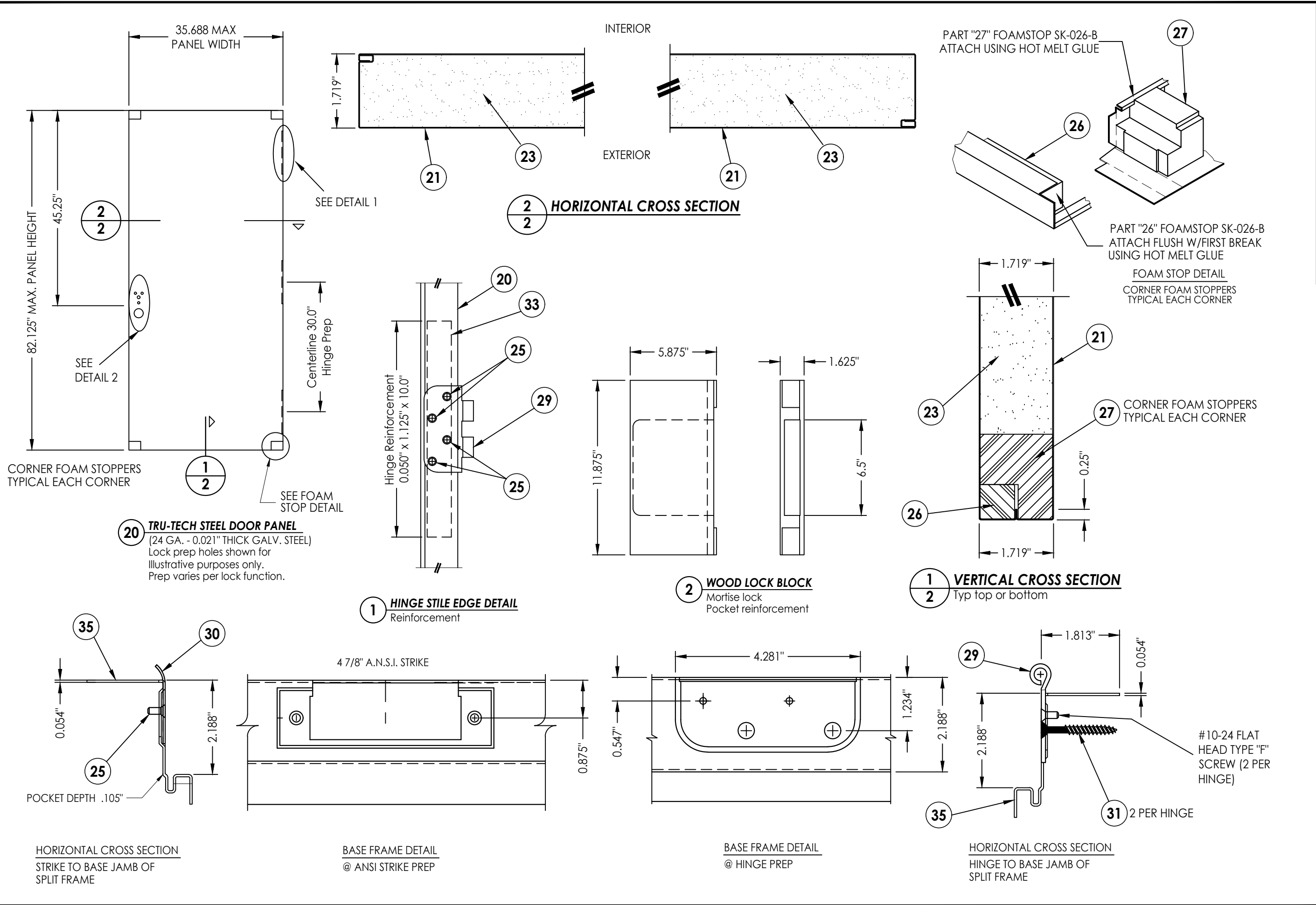
760 SERIES

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

PRODUCT: dormakaba
MORTISE LOCK
PART OR ASSEMBLY:
LOCK DETAILS, DESIGN PRESSURES
AND GENERAL NOTES

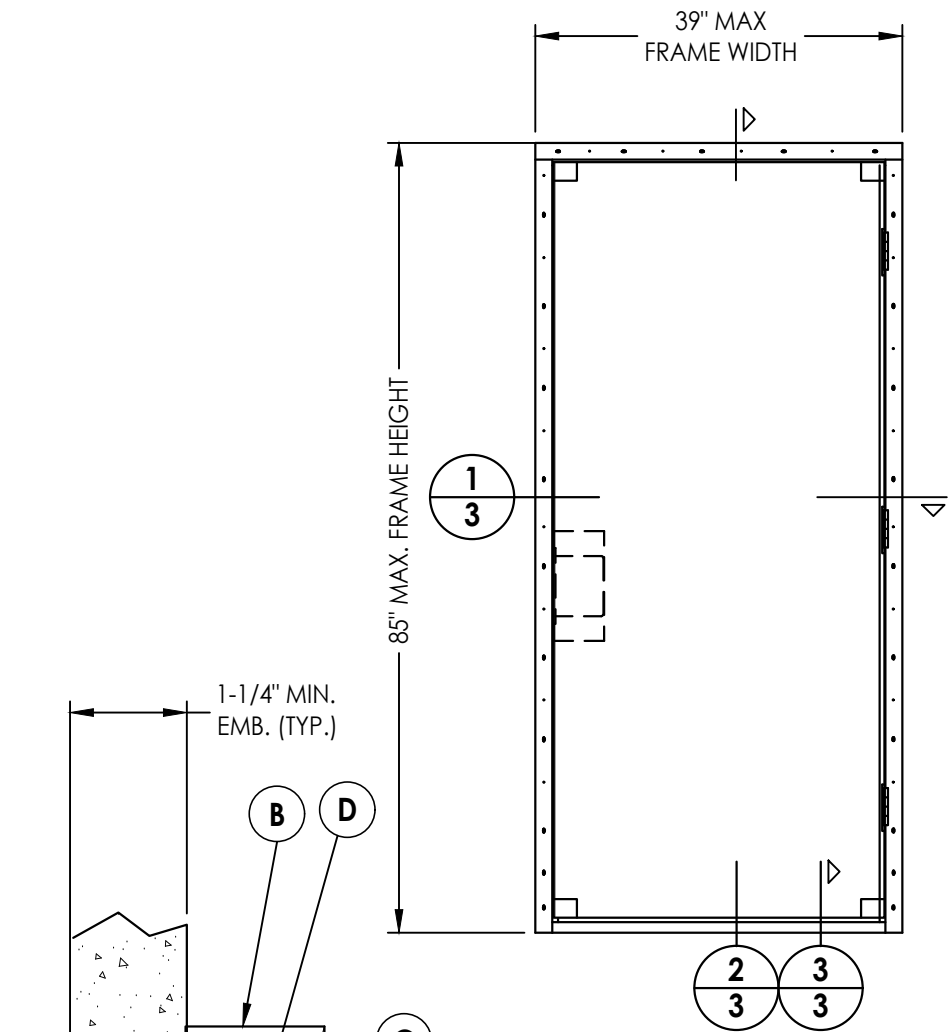
NO.	DATE	REVISIONS			
		BY	JK	LFS	LFS
8	8/31/23	UPDATE TO 8TH ED. (2023) FBC	LFS		
7	9/19/22	ADD NEW MODEL NUMBERS	LFS		
6	9/28/20	UPDATE TO 7TH ED. (2020) FBC	LFS		
5	2/21/19	ADDED GENERAL NOTE #5	LFS		
4	12/18/17	ADD E-PLEX 79XX SERIES	JK		

DATE: 9/11/09
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-13061.3
SHEET 1 OF 5

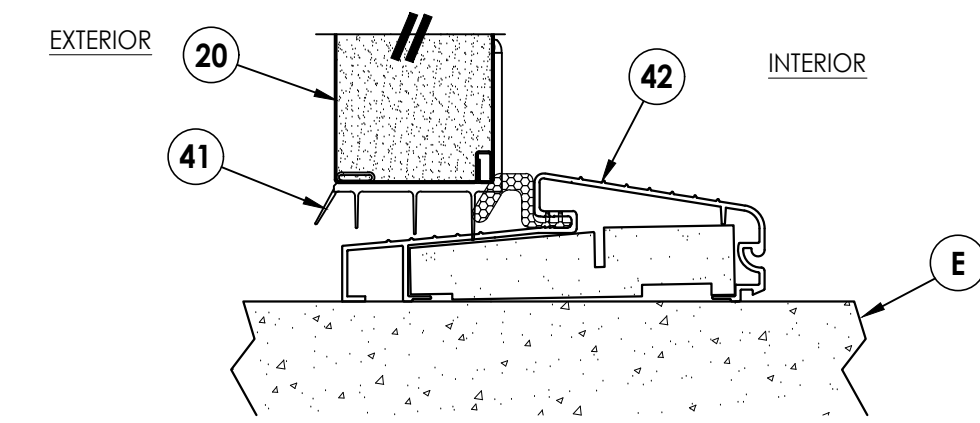


8		8/31/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	dormakaba MORTISE LOCK	PRODUCT:	Lyndon F. Schmidt P.E. No. 43409	Documents Prepared By:
7		9/19/22	ADD NEW MODEL NUMBERS		LFS				
6		9/28/20	UPDATE TO 7TH ED. (2020)	FBC	LFS				
5		2/21/19	ADDED GENERAL NOTE #5		LFS				
4		12/18/17	ADD E-PLEX 79XX SERIES		JK				
NO.		DATE			BY		PART OR ASSEMBLY:	DOOR PANEL DETAILS	
						RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
DATE: 9/11/09									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-13061.3									
SHEET 2 OF 5									

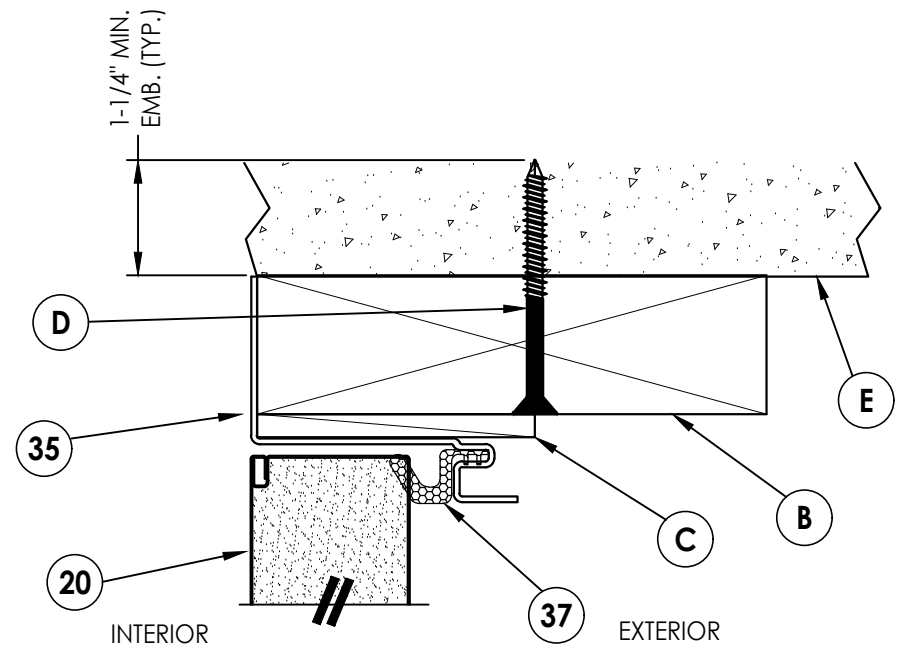
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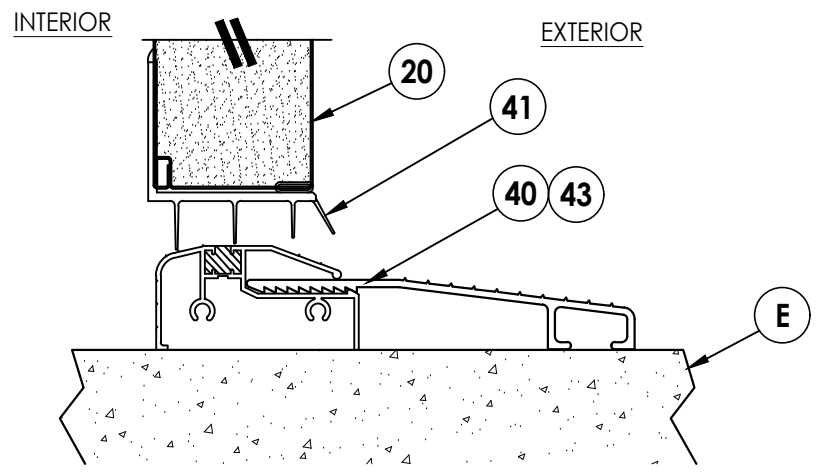
1
3 **HORIZONTAL CROSS SECTION**
Inswing shown
Outswing also approved



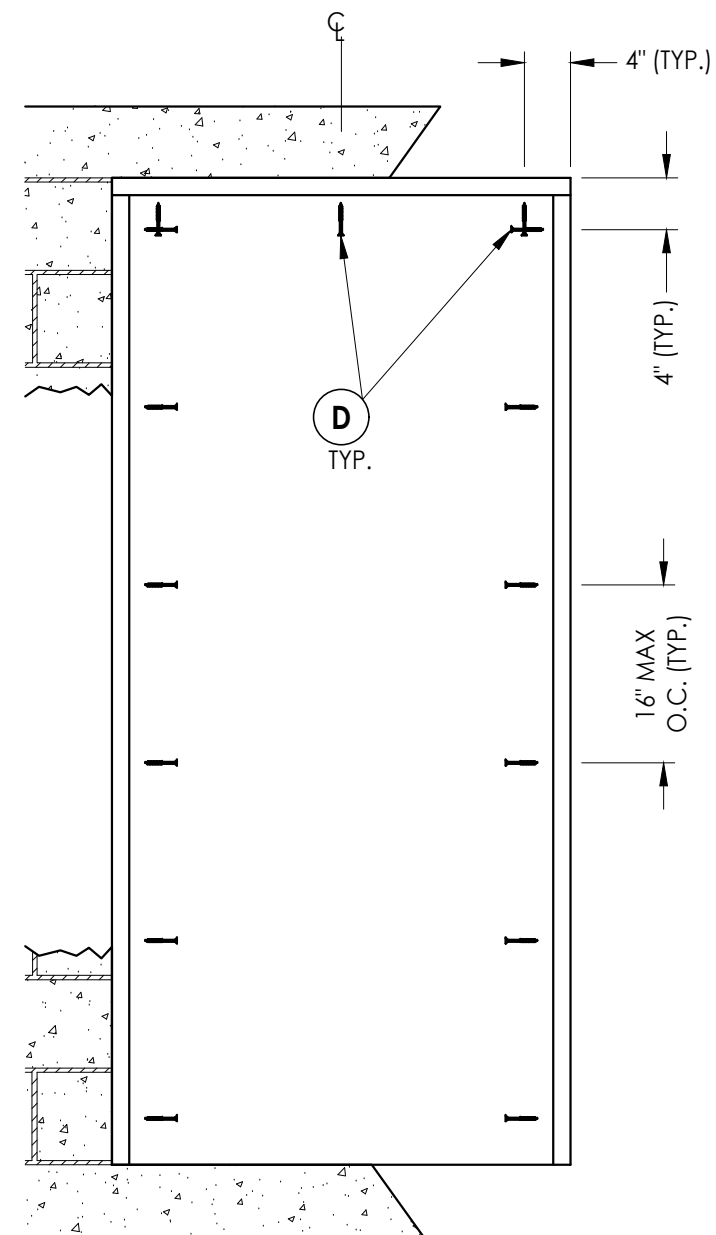
3
3 **VERTICAL CROSS SECTION**
Outswing



2
3 **VERTICAL CROSS SECTION**
Inswing



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: dormakaba MORTISE LOCK		PART OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS	
8	8/31/23	UPDATE TO 8TH ED. (2023)	FBC
7	9/19/22	ADD NEW MODEL NUMBERS	LFS
6	9/28/20	UPDATE TO 7TH ED. (2020)	FBC
5	2/21/19	ADDED GENERAL NOTE #5	LFS
4	12/18/17	ADD E-PLEX 79XX SERIES	JK
NO.	DATE	REVISIONS	
DATE: 9/11/09			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-13061.3			
SHEET 3 OF 5			



BUCK ANCHORING

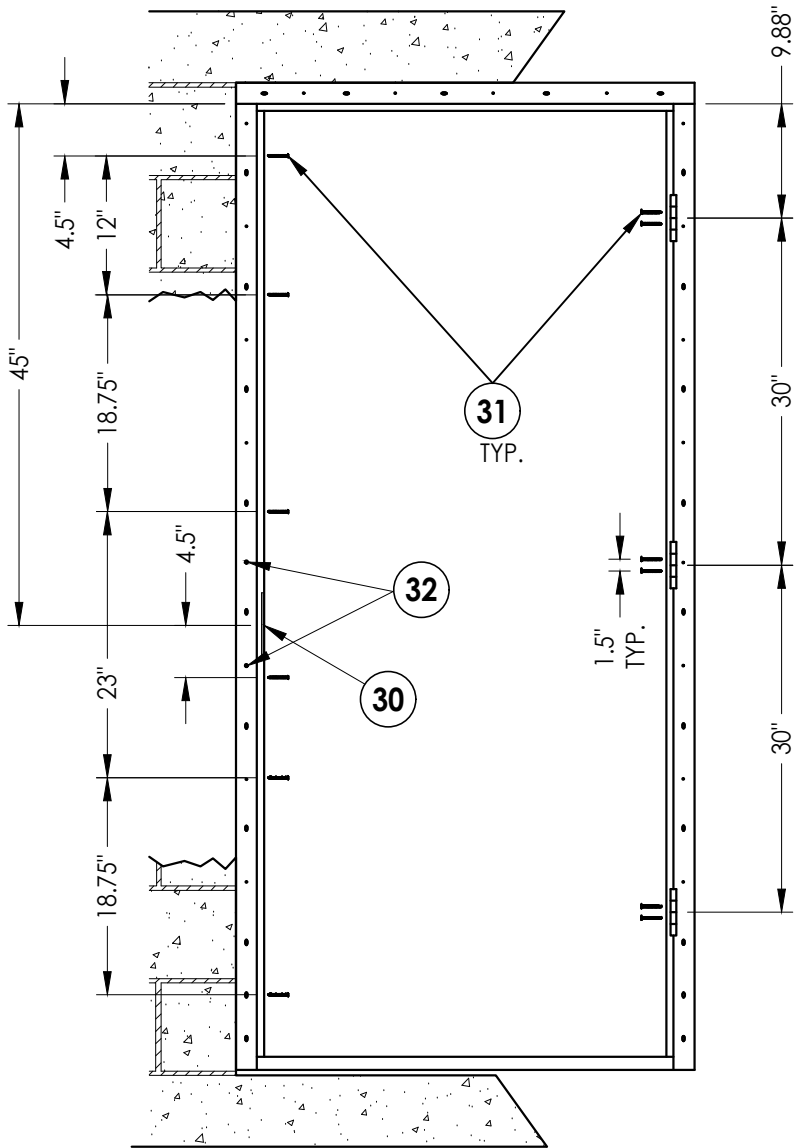
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



FRAME ANCHORING

DATE:	9/11/09	
SCALE:	N.T.S.	
DWG. BY:	JK	
CHK. BY:	LFS	
DRAWING NO.:	FL-13061.3	
SHEET	4	OF 5

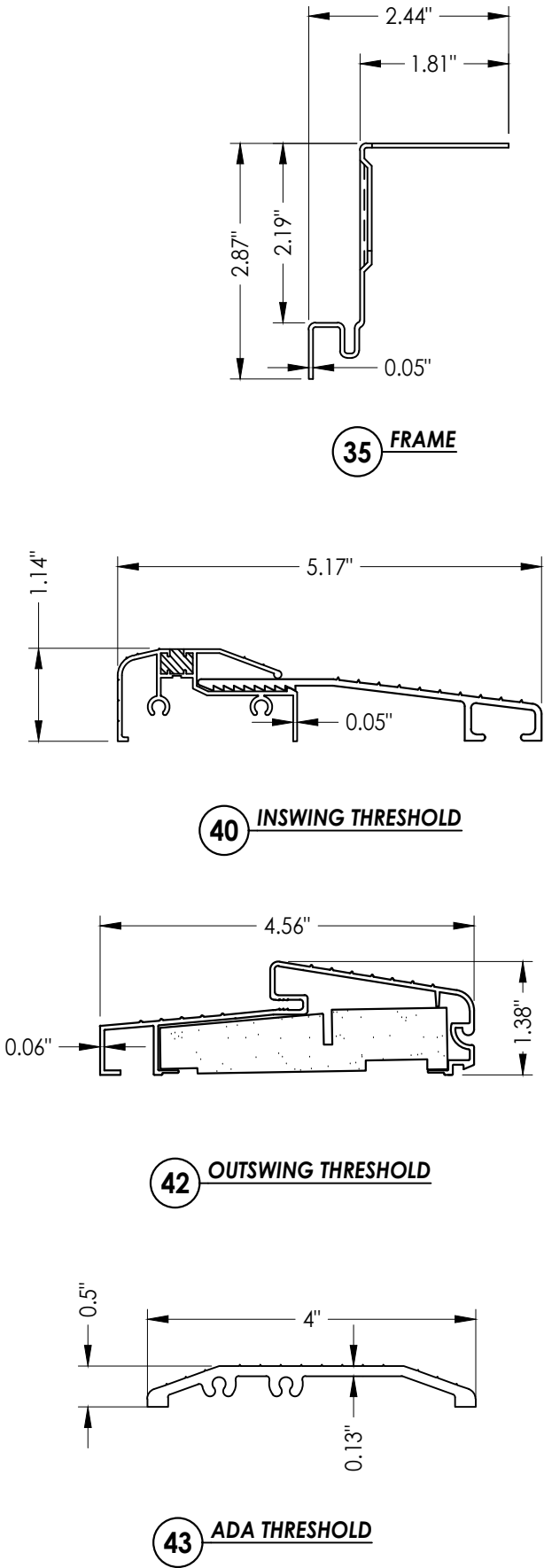
PRODUCT: <i>dormakaba</i> MORTISE LOCK	PART OR ASSEMBLY: BUCK AND FRAME ANCHORING
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
1	EXTERIOR ESCUTCHEON	-
2	OUTSIDE LEVER HANDLE	ZAMAK 3
3	CYLINDER CORE (OPTIONAL)	BRASS
4	LEVER CAP (OPTIONAL)	POLYCARBONATE
7	MORTISE LOCK BODY WITH DEADBOLT	STEEL
8	MACHINE SCREW 12-24 X 1/2" LG	STAINLESS STEEL
9	MORTISE FACE PLATE	STAINLESS STEEL
10	MACHINE SCREW 8-32 X 1/4" LG	BRASS
11	STRIKE PLATE	STAINLESS STEEL
12	OUTSIDE LEVER HANDLE WITH KEY (OPTIONAL)	ZAMAK 3
13	INSIDE ESCUTCHEON	-
14	INSIDE LEVER SPRING	MUSIC WIRE
15	MACHINE SCREW 12-24	STEEL
16	TURN KNOB SPINDLE	STEEL
17	SQUARE SPINDLE	STEEL
20	TRU-TECH STEEL DOOR PANEL	-
21	DOOR SKIN (0.022" THK. STEEL, Fy = 35,300 PSI MIN.)	STEEL
23	FOAM CORE: 2.0 lbs/FT DENSITY, Baytherm 863	POLYURETHANE
25	#10-24 PFH MACHINE SCREW	STEEL
26	PART "A" FOAMSTOP SK-026-B	POLYURETHANE
27	PART "B" FOAMSTOP SK-026-B	POLYURETHANE
29	HINGE - 4" x 4"	STEEL
30	STRIKE PLATE	STEEL
31	#10 X 1.75" PFH WS (1-3/8" MIN. EMBEDMENT)	STEEL
32	#10 X 1.50" PPH WS (1-3/8" MIN. EMBEDMENT)	STEEL
33	HINGE AND REINFORCEMENT	STEEL
35	FRAME	STEEL
37	COMPRESSION WEATHERSTRIPPING QLON QDS 650	FOAM
40	THRESHOLD INSWING	ALUM
41	DOOR SWEEP	-
42	OUTSWING THESHOLD	ALUM/COMP
43	ADA THESHOLD	ALUM



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SHEET 5 OF 5							