



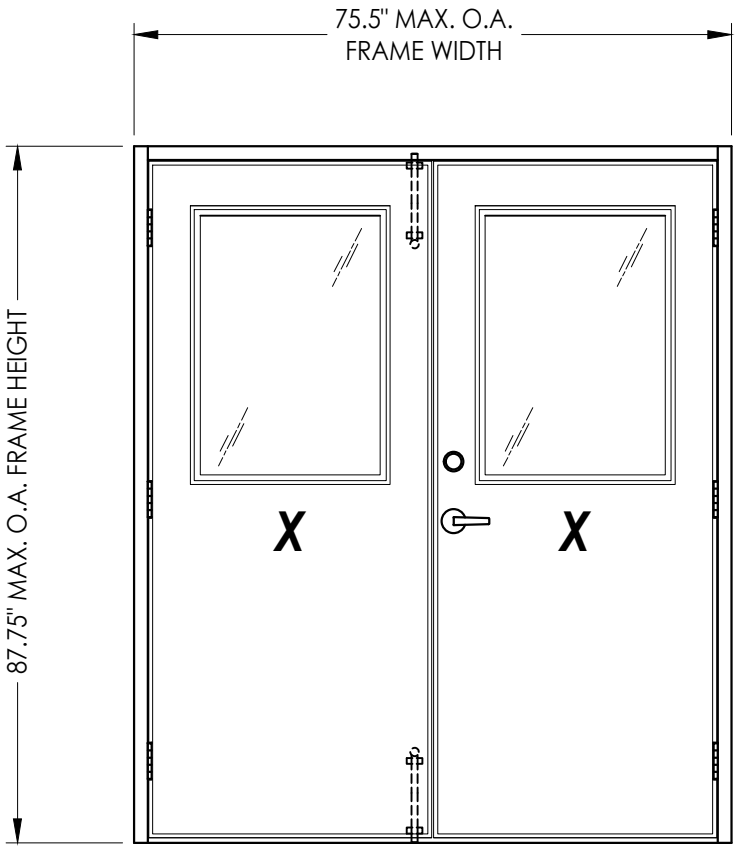
CLINE ALUMINUM DOORS, INC.
112 32nd AVENUE WEST, BRADENTON, FL 34205-8096
Telephone (800) 648-6736

**SERIES 100BE
ALUMINUM DOUBLE DOOR
OUTSWING
"IMPACT"**

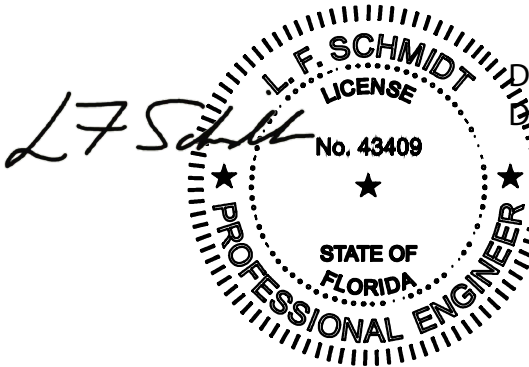
GENERAL NOTES

- 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 outside of the "HVHZ" 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 E 1996.
- 4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 5. 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 elevations, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Vertical & horizontal cross sections
6	Buck & frame anchoring
7	Bill of materials & components



LOCK HARDWARE	MAX. FRAME DIMENSION	MAX. DOOR D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
LATCH & DEADBOLT or MORTISE LOCK	75.5" x 87.75"	22.75" X 32.75"	+55.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.21 15:39:14 -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

PRODUCT: CLINE DOORS

DATE: 07/13/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-6336.13

SHEET 1 OF 7

Part or Assembly:
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

3 7/02/26 UPDATE TO 9TH ED. (2026) FBC

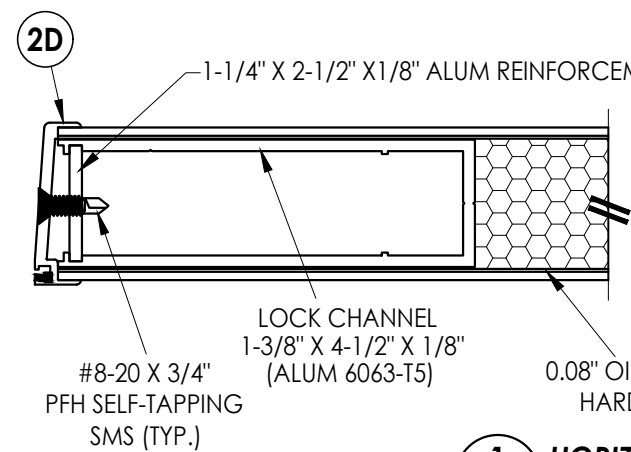
2 7/23/25 ADD MORTISE LOCK

1 7/05/23 UPDATE TO 8TH ED. (2023) FBC

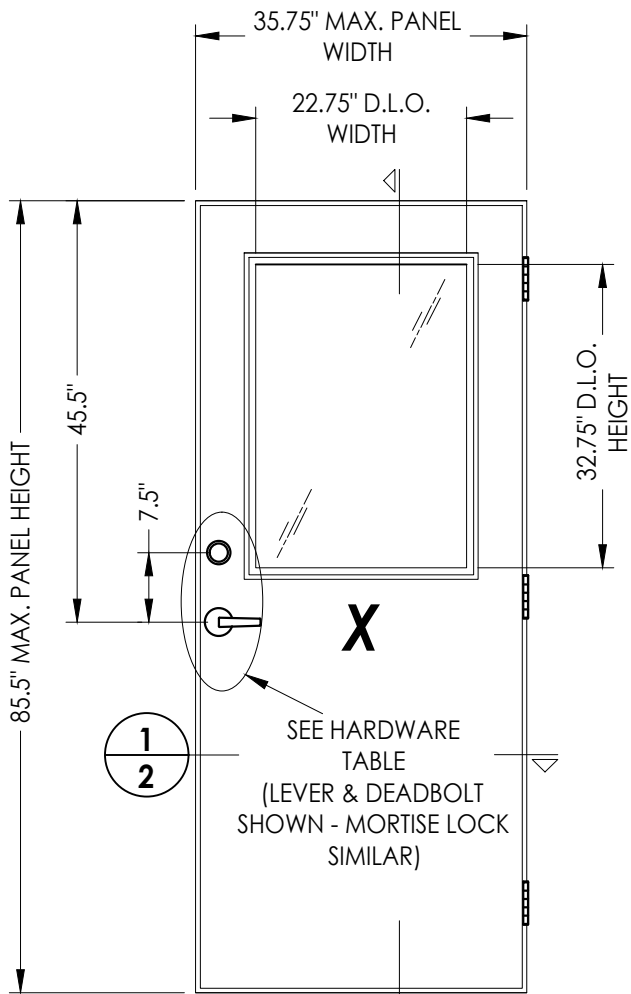
NO. DATE

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

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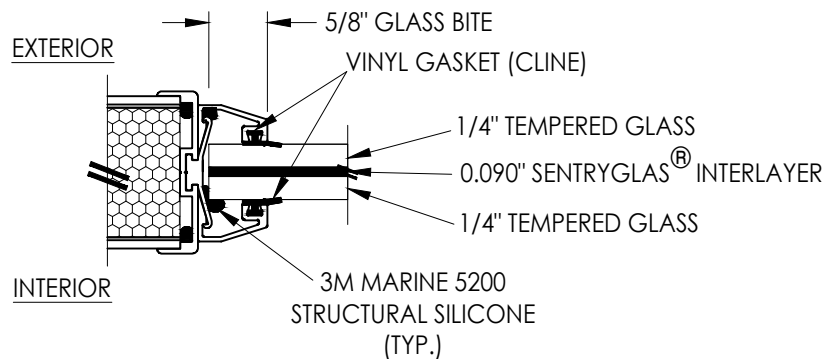
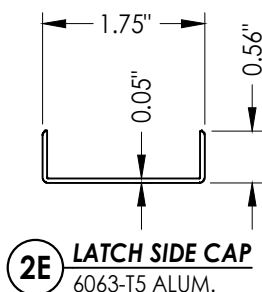
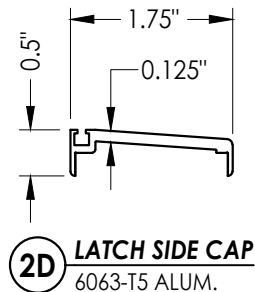
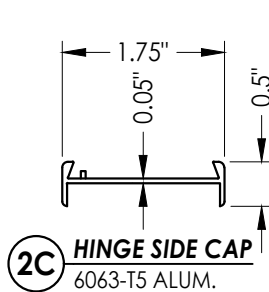
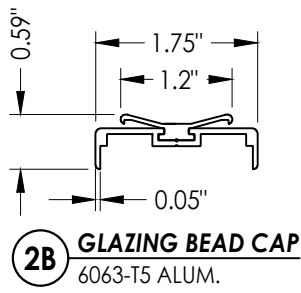
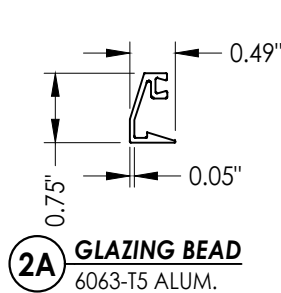


1
2 **HORIZONTAL CROSS SECTION**

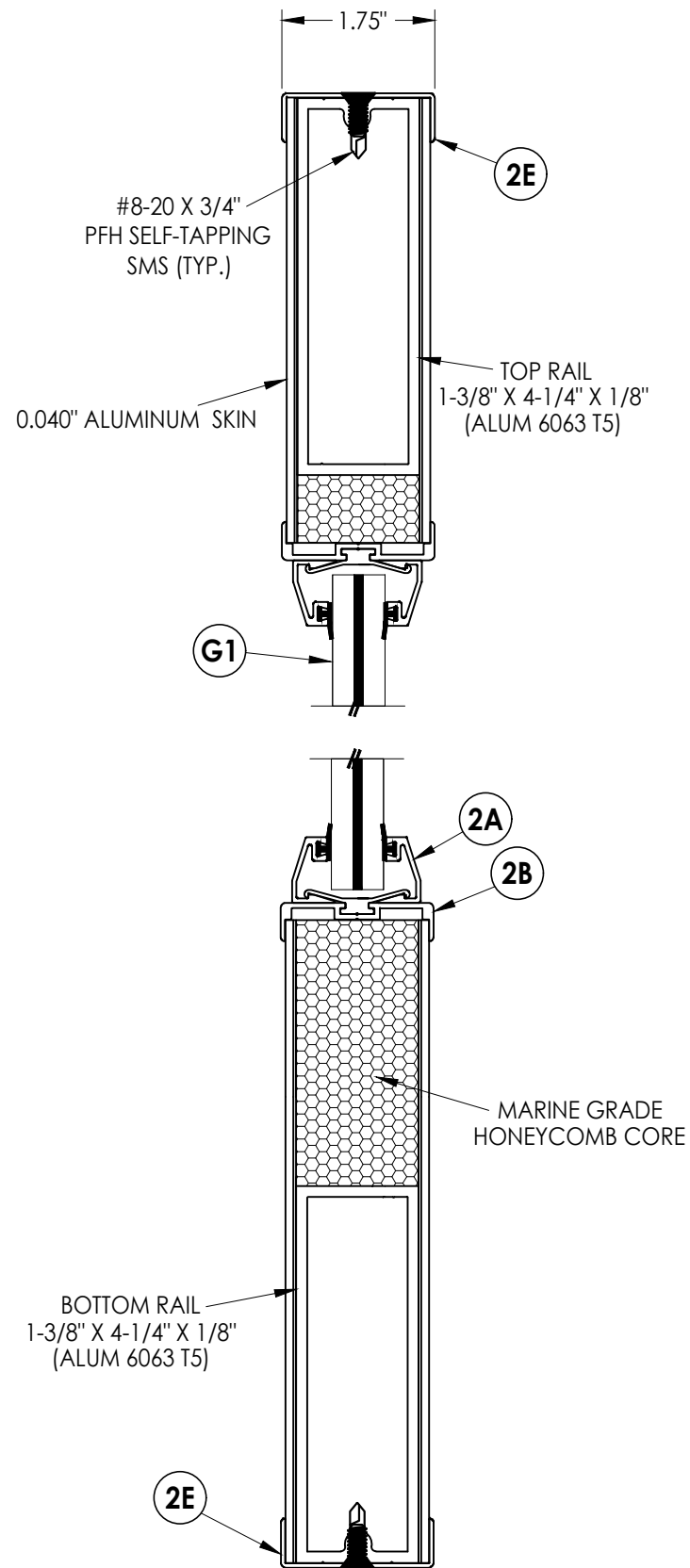


2
2 **40 VENTED DOOR PANEL**

HARDWARE TABLE		
MANUFACTURER	MODEL	
CORBIN RUSSWIN	LEVER:	SERIES CL3500
	DEADBOLT:	SERIES DL3000
CORBIN RUSSWIN	MORTISE LOCK:	ML2000 SERIES w/ DEADBOLT



G1 GLAZING DETAIL



2
2 **VERTICAL CROSS SECTION**

August 16, 2021

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: CLINE DOORS

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/23/25	ADD MORTISE LOCK LFS
1	7/05/23	UPDATE TO 8TH ED. (2023) FBC DAG

DATE: 07/13/21

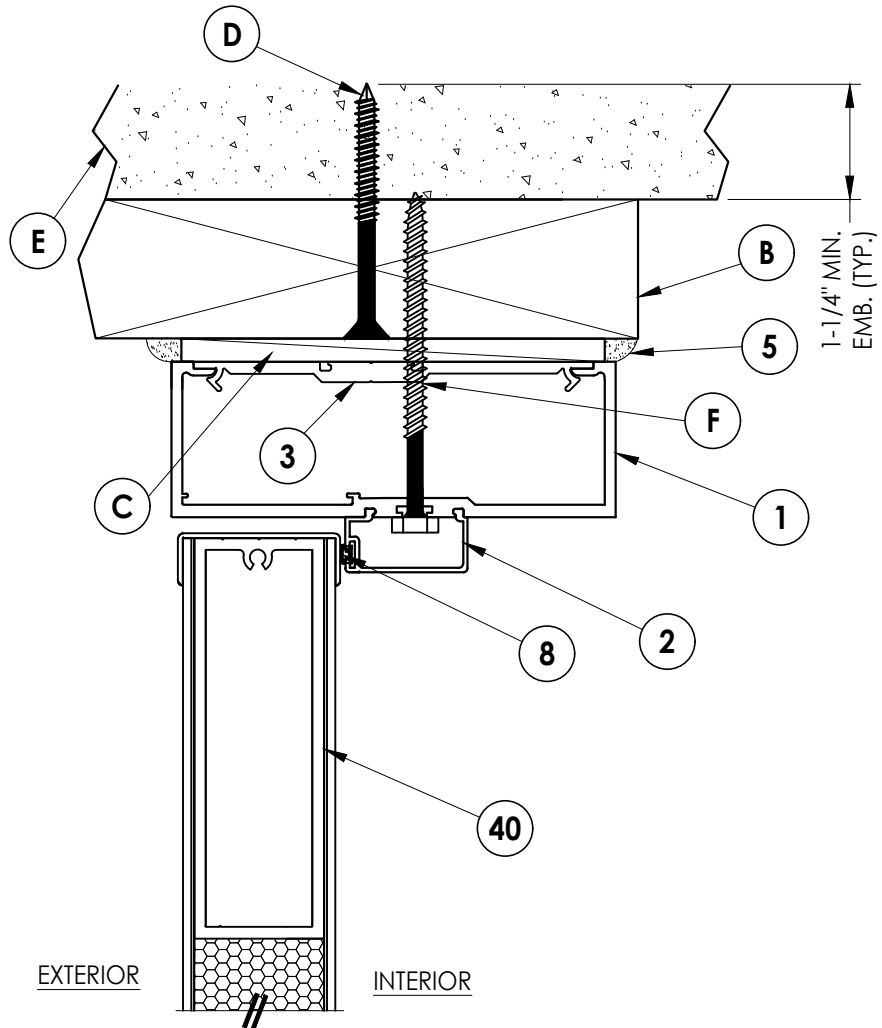
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DWG. BY: RW

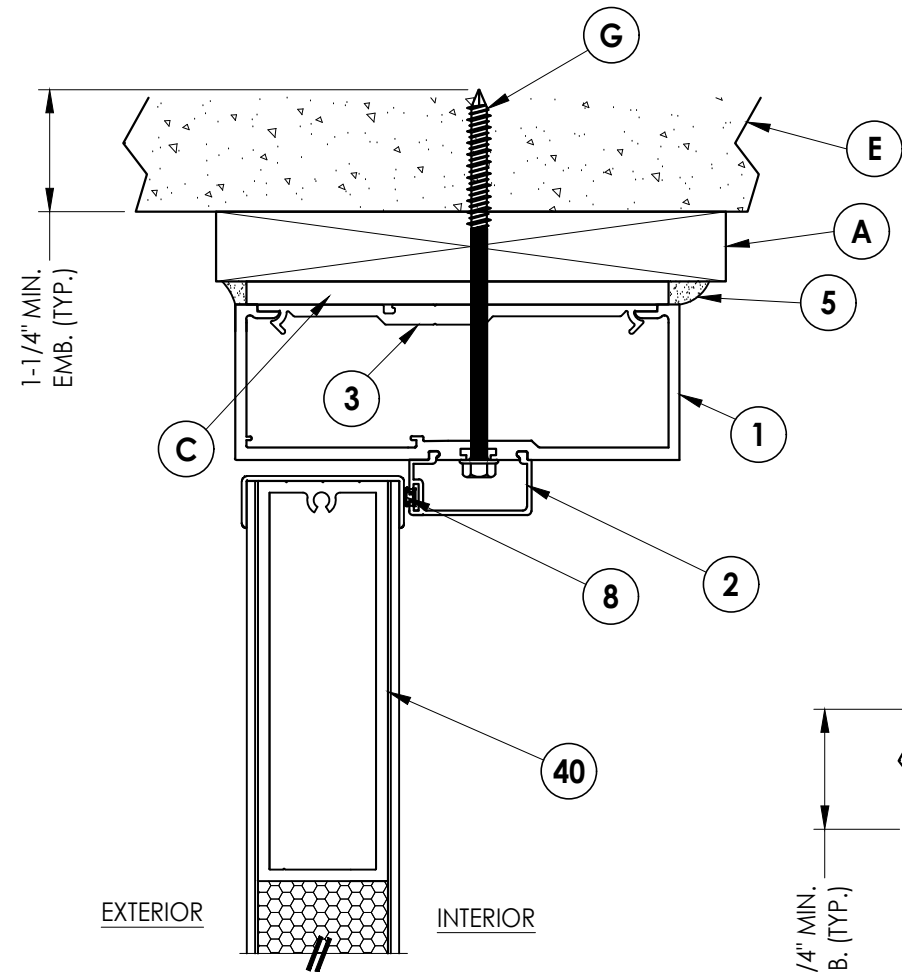
CHK. BY: LFS

DRAWING NO.:
FL-6336.13

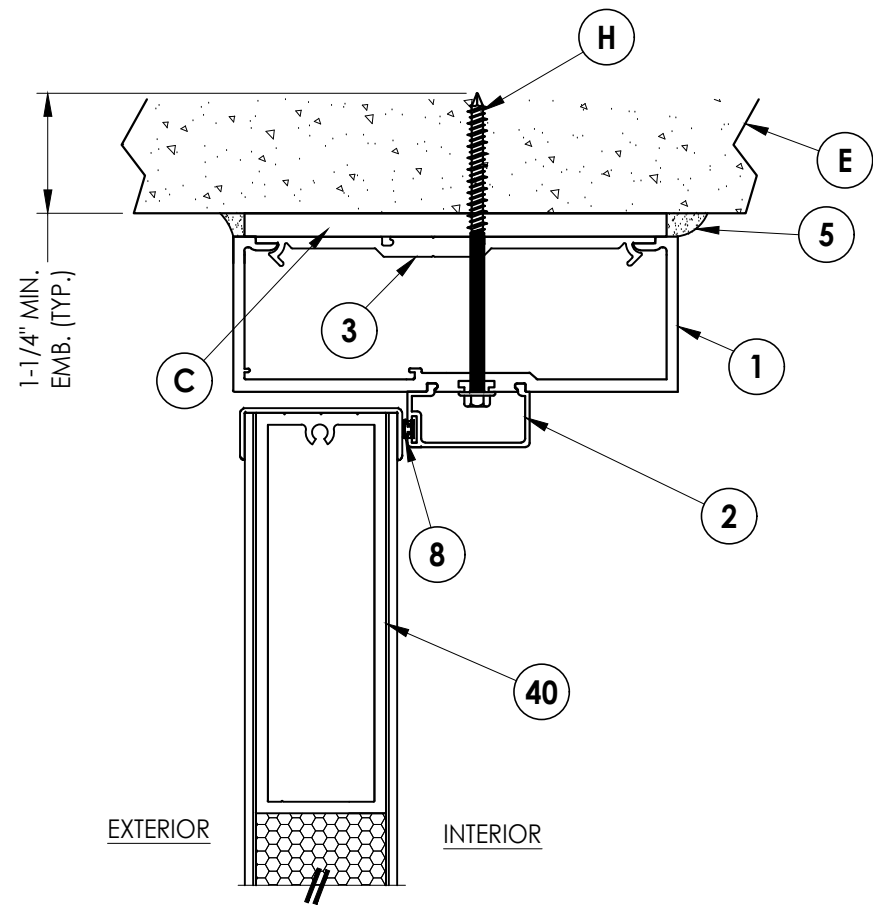
SHEET 2 OF 7



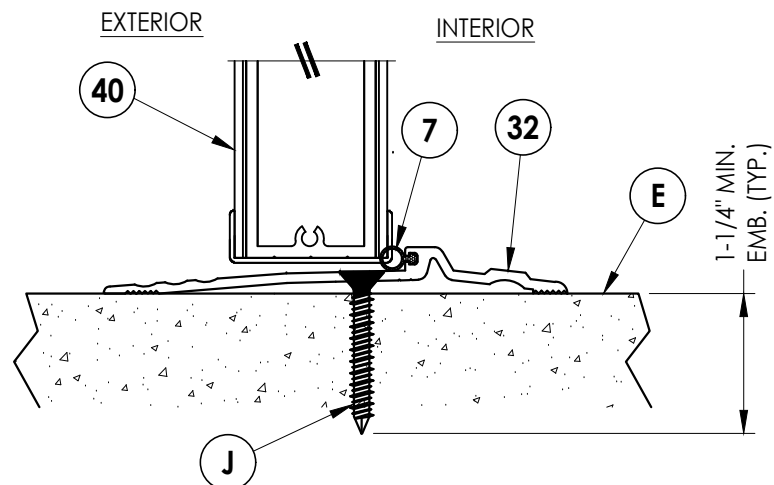
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4 **VERTICAL CROSS SECTION**
2X Buck Construction



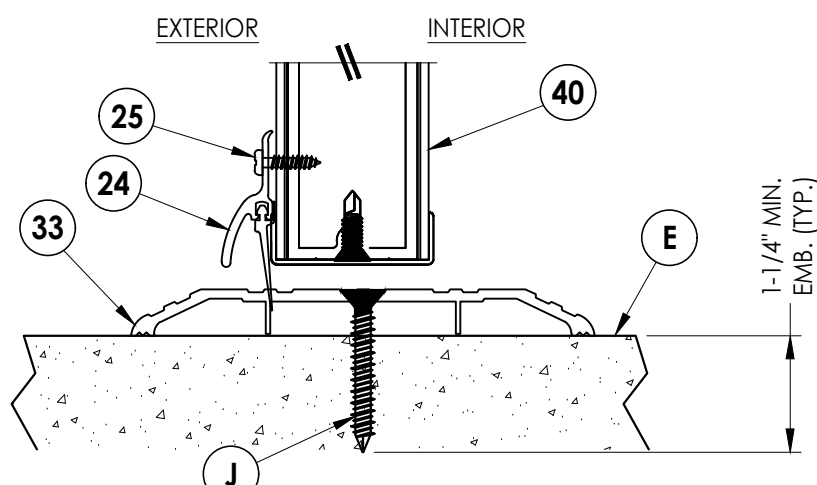
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4 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



3
4 **VERTICAL CROSS SECTION**
Direct to Masonry



4
4 **VERTICAL CROSS SECTION**



5
4 **VERTICAL CROSS SECTION**

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PRODUCT: CLINE DOORS

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC
2	7/23/25	ADD MORTISE LOCK
1	7/05/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 07/13/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-6336.13

SHEET 4 OF 7



EXTERIOR

INTERIOR

1 **VERTICAL CROSS SECTION**
5 @ SURFACE BOLT

@ SUFACE BOLT



INTERIOR

EXTERIOR

EXTERIOR

HORIZONTAL CROSS SECTION

$$\frac{2}{5}$$

INTERIOR

INTERIOR

EXTERIOR

EXTERIOR

HORIZONTAL CROSS SECTION



@ LATCH STRIKE PLATE

LFS	FBC	(2026)	UPDATE TO 9TH ED.	7/02/26	3	
LFS	LOCK	MORTISE ADD	7/23/25	2		
LFS	FBC	(2023)	UPDATE TO 8TH ED.	7/05/23	1	
BY			DATE	NO.		
						REVISIONS
DATE: 07/13/21						
SCALE: N.T.S.						
DWG. BY: RW						
CHK. BY: LFS						
DRAWING NO.: FL-6336.13						
SHEET 5 OF 7						

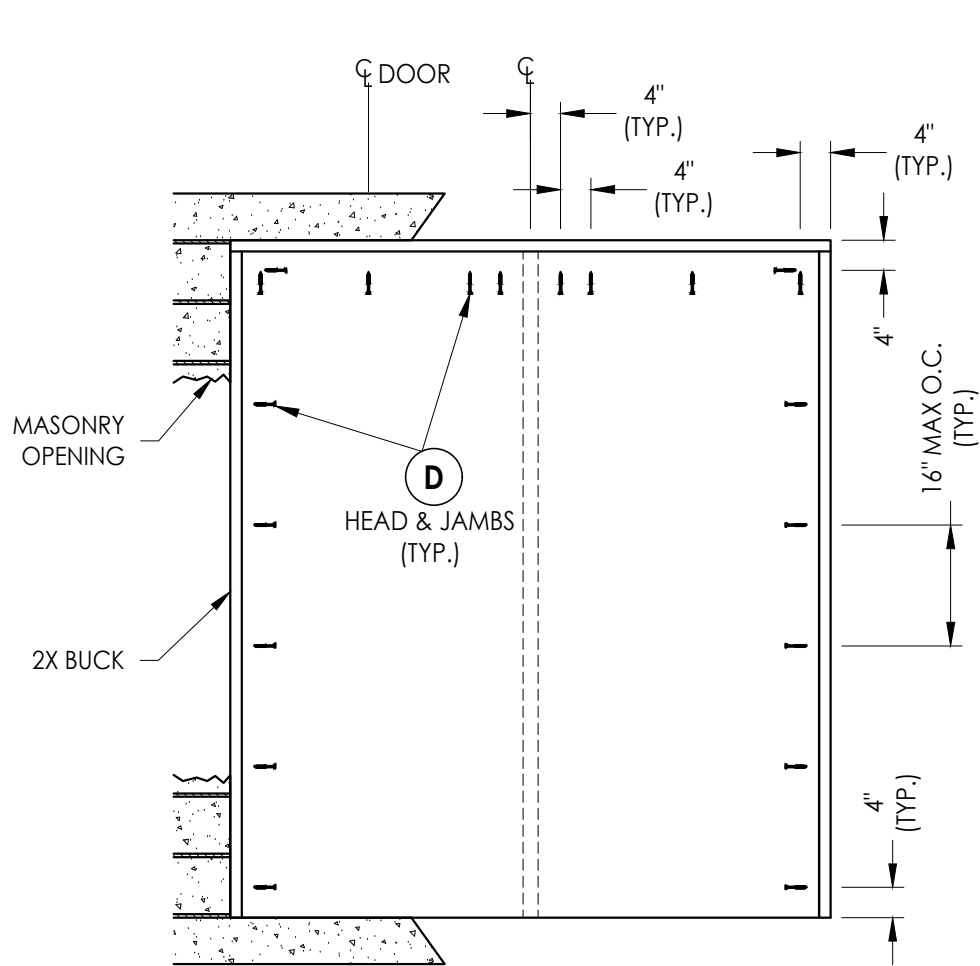
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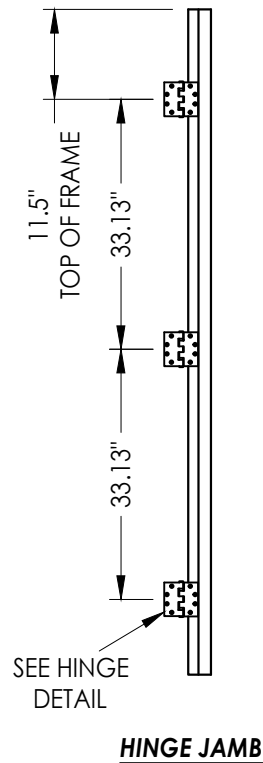
OR ASSEMBLY:
VERTICAL & HORIZONTAL
CROSS SECTIONS

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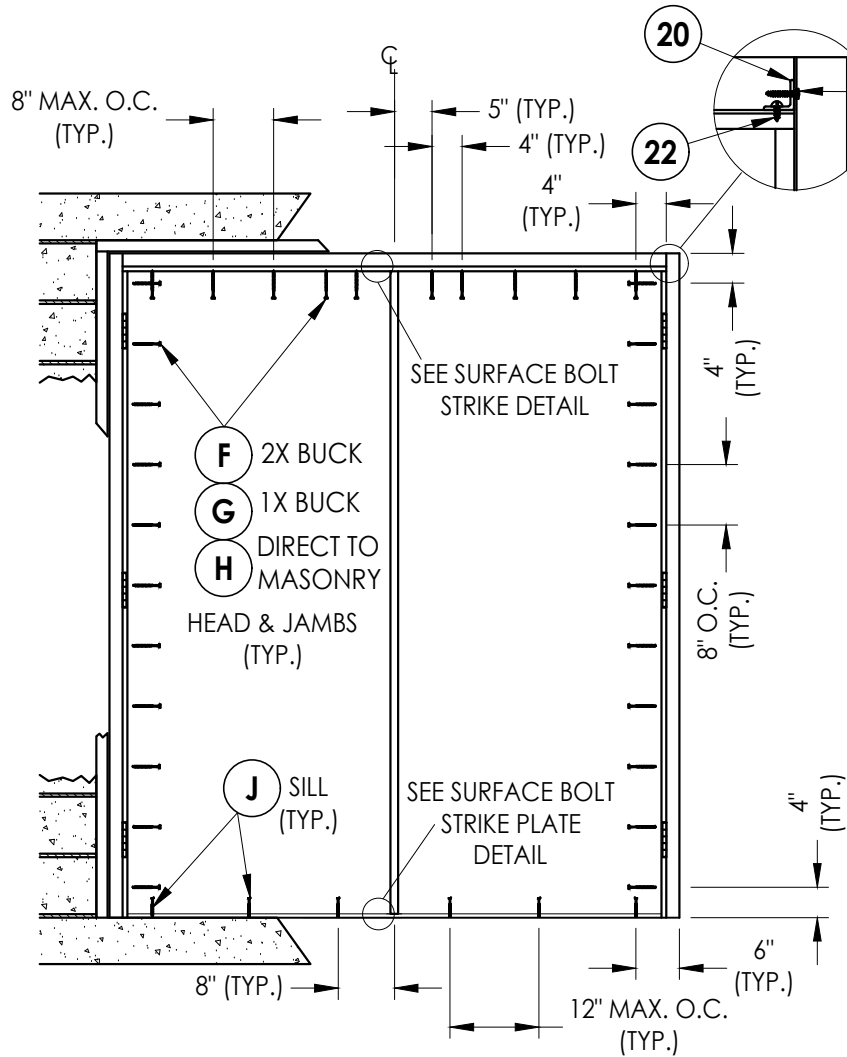
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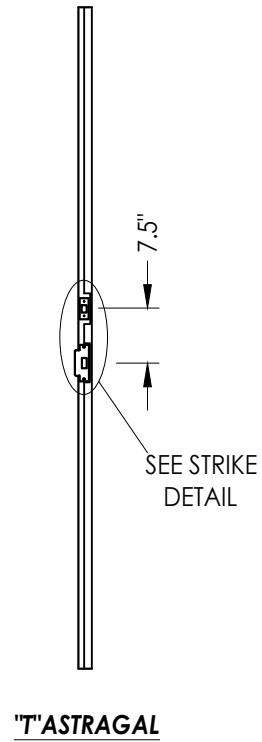
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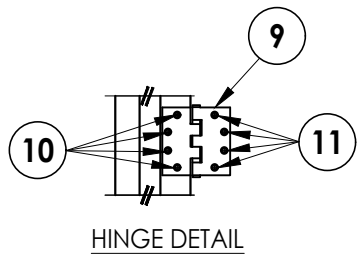
HINGE JAMB



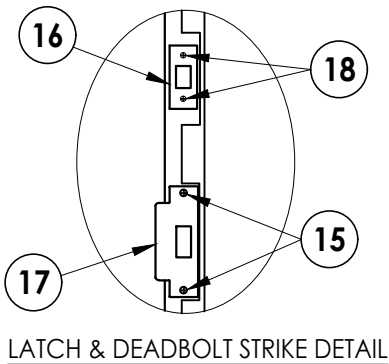
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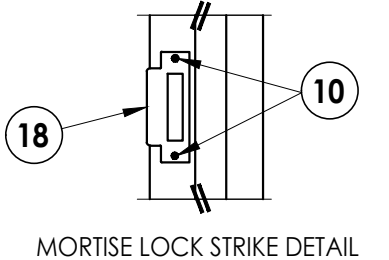
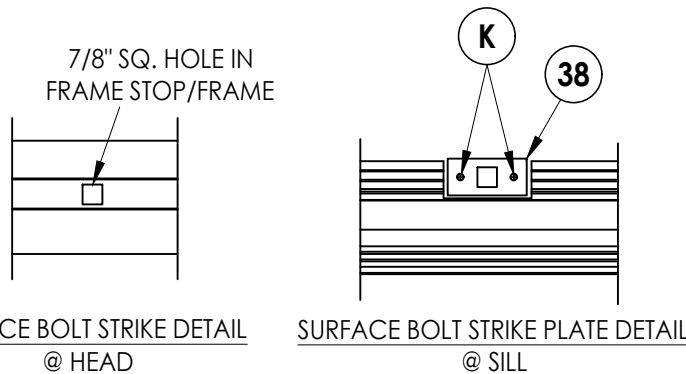
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HINGE DETAIL



LATCH & DEADBOLT STRIKE DETAIL



MORTISE LOCK STRIKE DETAIL

CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- Concrete anchor table:

ANCHOR LOCATION	ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
HEAD/JAMB	ITW BUILDEX TAPCON®	1/4"	1-1/4"	2"	4"
HEAD/JAMB	DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"
SILL	ITW BUILDEX TAPCON®	1/4"	1-3/4"	4"	2-1/2"
SILL	DeWALT ULTRA-CON®	1/4"	1-3/4"	2-1/2"	2-1/2"

WOOD SCREW INSTALLATION NOTES:

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

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PRODUCT: CLINE DOORS

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC
2	7/23/25	ADD MORTISE LOCK
1	7/05/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 07/13/21

SCALE: N.T.S.

DWG. BY: RW

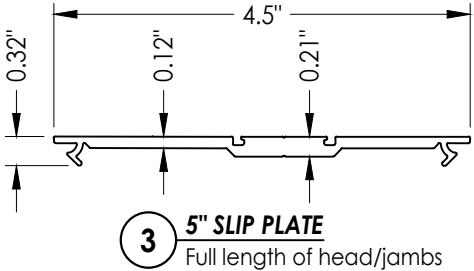
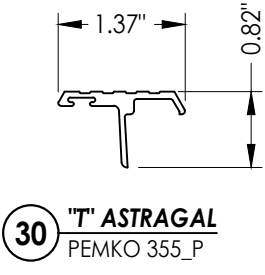
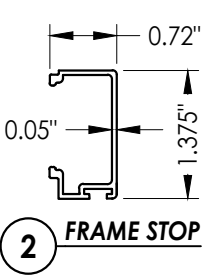
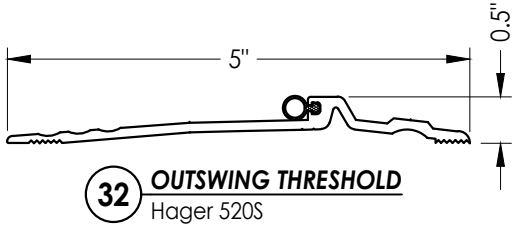
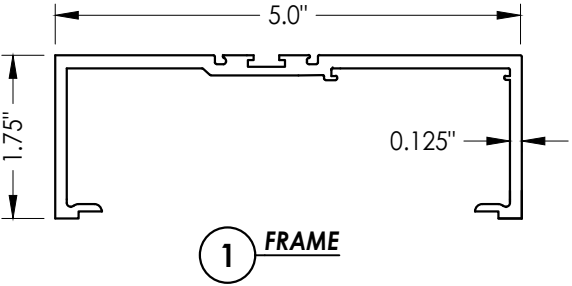
CHK. BY: LFS

DRAWING NO.: FL-6336.13

SHEET 6 OF 7

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
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
F	1/4" X 3-1/2" HEX LAG SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
G	1/4" X 4" HH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 3-1/4" HH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 1-3/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" FH DeWALT OR ITW CONCRETE SCREW	STEEL
1	FRAME	ALUM 6063-T5
2	FRAME STOP	ALUM 6063-T5
3	5" SLIP PLATE	ALUM 6063-T5
5	SILICONE SEALANT	SILICONE
7	BULB WEATHERSTRIP	PVC
8	WOOL PILE WEATHERSTRIP	-
9	4-1/2" X 4-1/2" HINGE	STEEL
10	#12 X 11/16" FH SELF-DRILLING SMS	STEEL
11	12-24 X 1/2" FH MACHINE SCREW	STEEL
15	#14 X 1" FH SMS	STEEL
16	DEADBOLT STRIKE PLATE	STEEL
17	LATCH STRIKE PLATE	STEEL
18	MORTISE LOCK STRIKE PLATE	STEEL
20	CORNER REINFORCEMENT	STEEL
21	#10 X 1" PPH SMS	STEEL
22	#10 X 1/2" PPH SMS	STEEL
24	DOOR SWEEP (PEMKO 345AV)	-
25	#6 X 5/8" PPH SMS	STEEL
30	"T" ASTRAGAL	ALUM 6063-T5
31	#8 X 1" FH SMS	STEEL
32	OUTSWING THRESHOLD	ALUM
33	ADA THRESHOLD (PEMKO 171A)	ALUM
35	SARGENT 988 SURFACE BOLT (12")	STEEL
36	1/4-20 X 2-5/8" FH MACHINE SCREW w/ GROMMET NUT	STEEL
38	SURFACE BOLT STRIKE PLATE (1-5/8" X 3-1/2" X 3/16")	STEEL
39	#14 X 1-1/4" FH SMS	STEEL
40	DOOR PANEL (SEE DOOR PANEL DETAILS)	-



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: CLINE DOORS		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
		LFS	BY
		FBC	
3	7/02/26	UPDATE TO 9TH ED. (2026)	
2	7/23/25	ADD MORTISE LOCK	
1	7/05/23	UPDATE TO 8TH ED. (2023)	
NO.	DATE		
REVISIONS			
DATE: 07/13/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-6336.13			
SHEET 7 OF 7			