



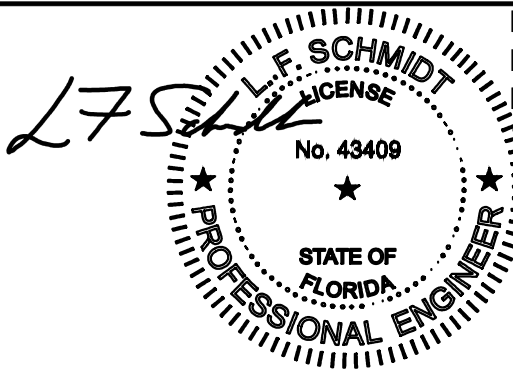
CLINE ALUMINUM DOORS, INC.
112 32nd AVENUE WEST, BRADENTON, FL 34205-8096
Telephone (800) 648-6736

SERIES 100BE
ALUMINUM DOUBLE DOOR
OUTSWING
"IMPACT"

GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- 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.

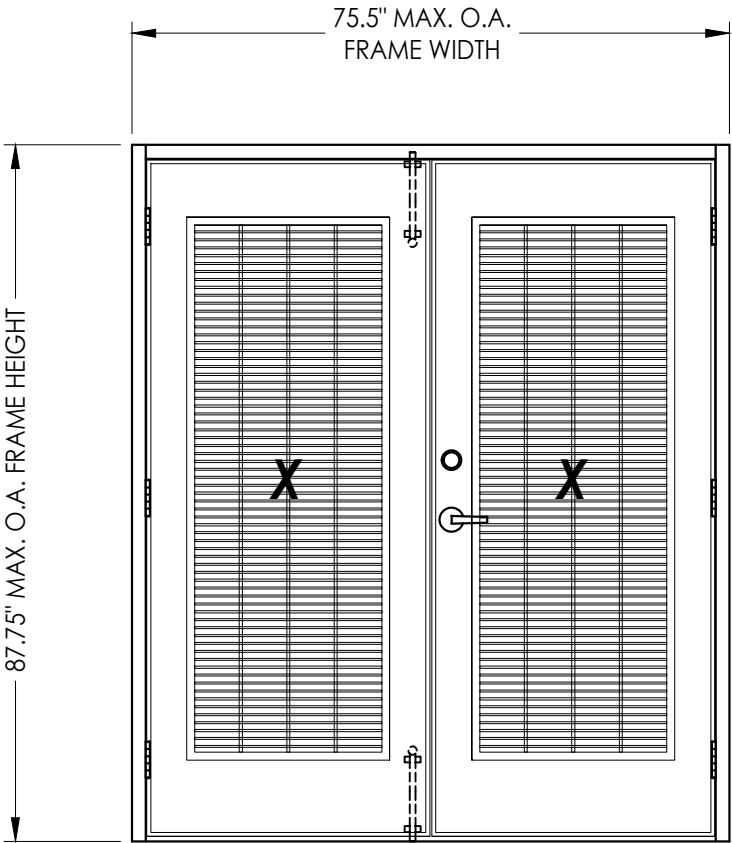
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
3	Horizontal cross sections
4	Vertical cross sections
5	Vertical & horizontal cross sections
6	Buck & frame anchoring
7	Bill of materials & components



Digitally signed by
Lyndon F Schmidt
Date: 2025.07.24
10:34:50 -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



VENTED DOOR PANELS
Opaque panels also approved

LOCK HARDWARE	MAX. FRAME DIMENSION	MAX. VENT OPENING DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
LATCH & DEADBOLT or MORTISE LOCK	75.5" x 87.75"	23.75" X 66.75"	+55.0	-55.0

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

PRODUCT: CLINE DOORS

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

DATE: 07/13/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-6336.11

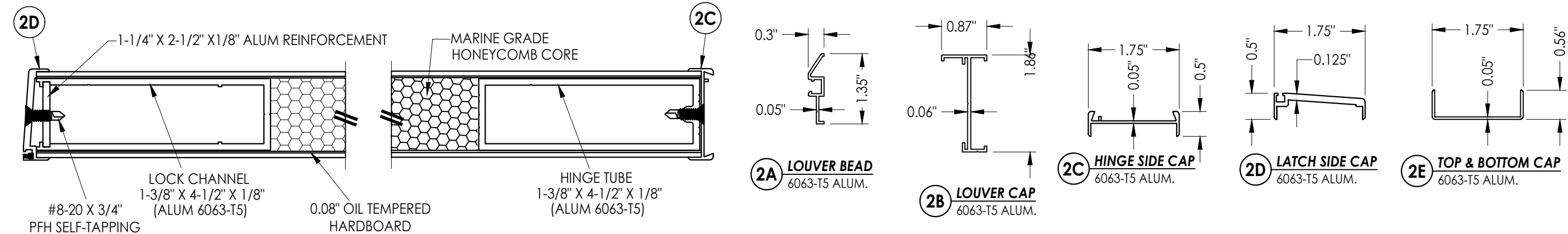
SHEET 1 OF 7

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

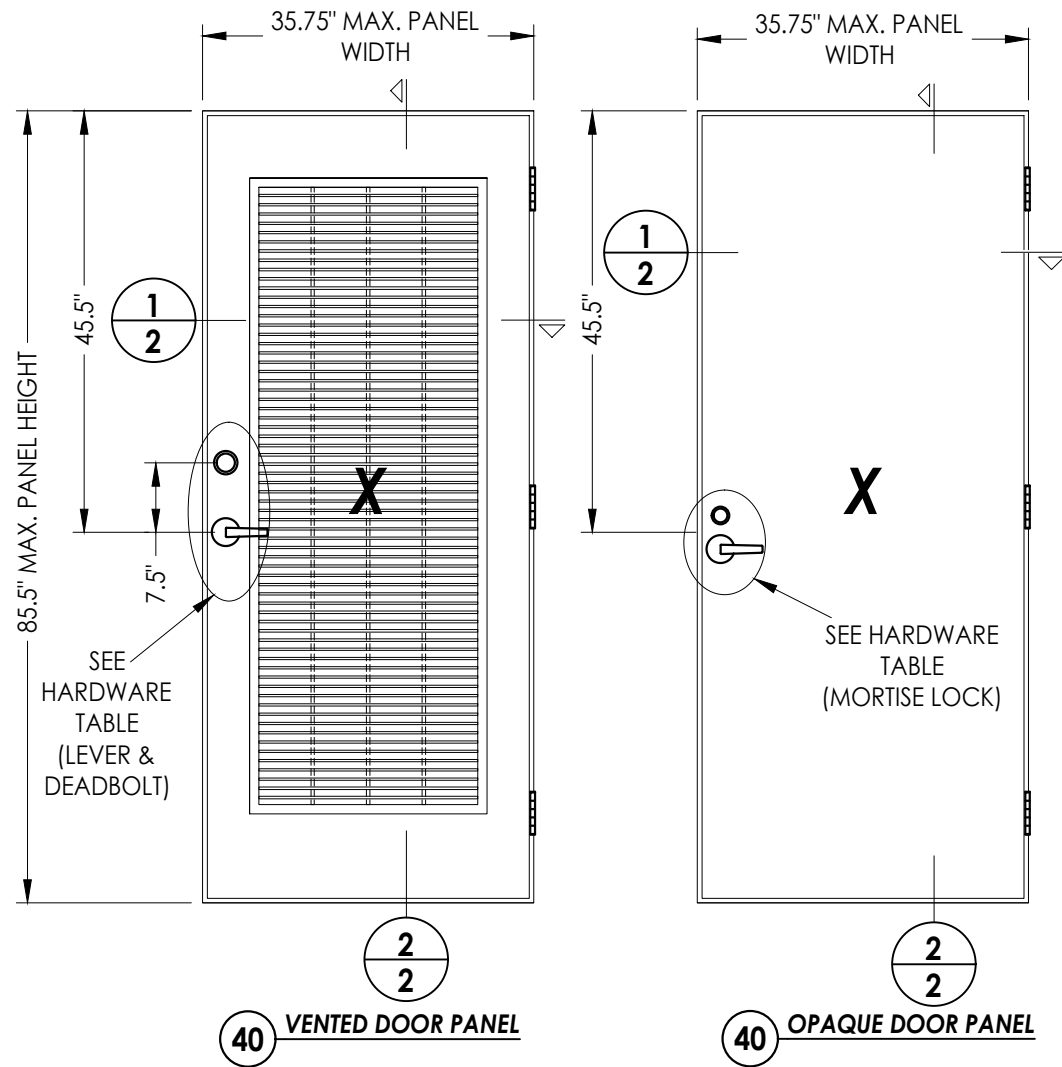
REVISIONS

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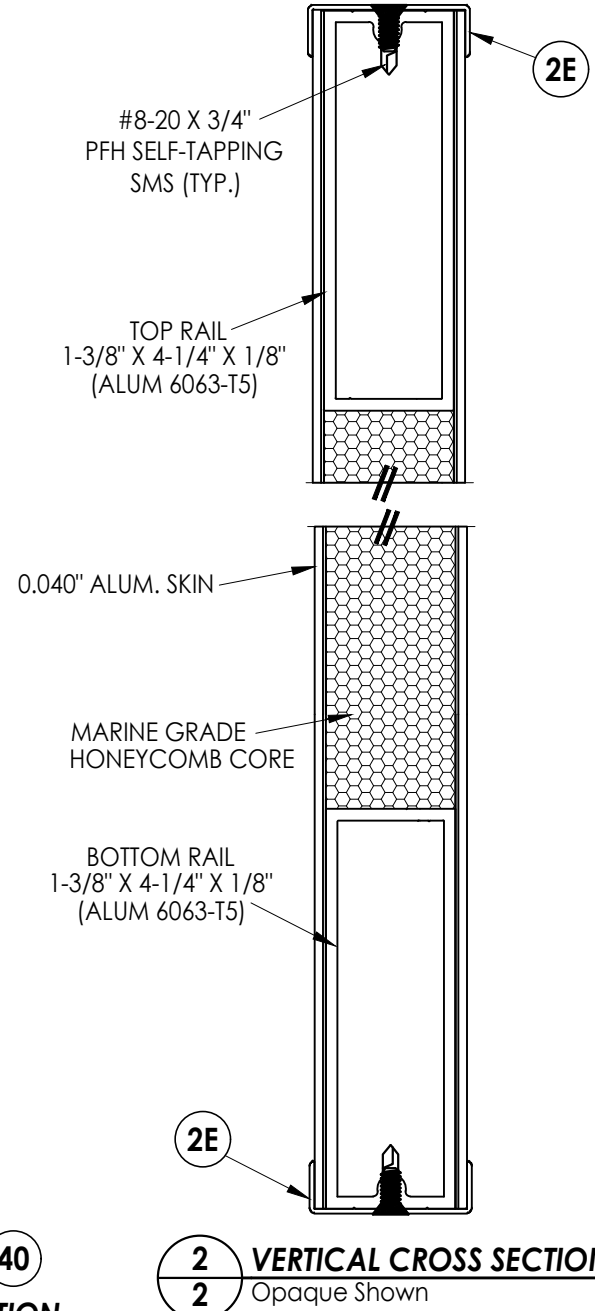
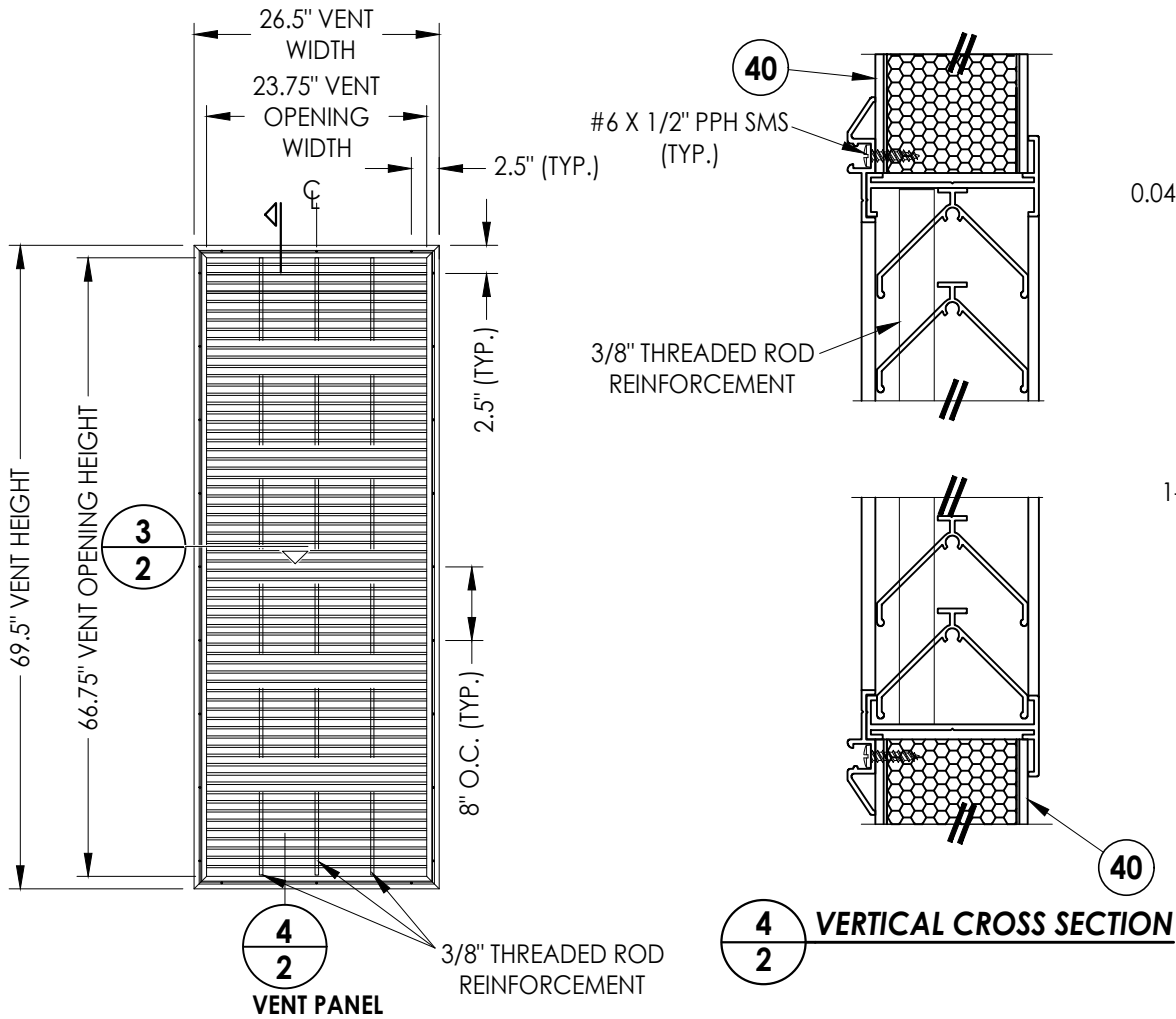
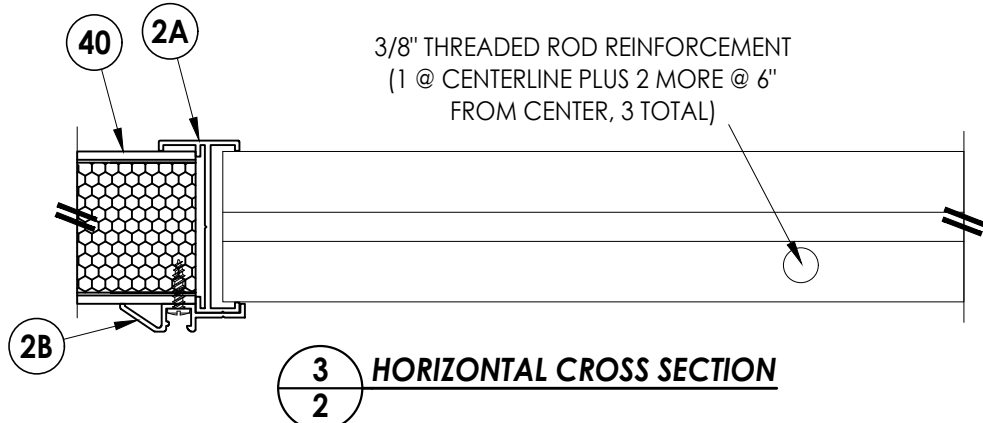
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1
2 HORIZONTAL CROSS SECTION



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

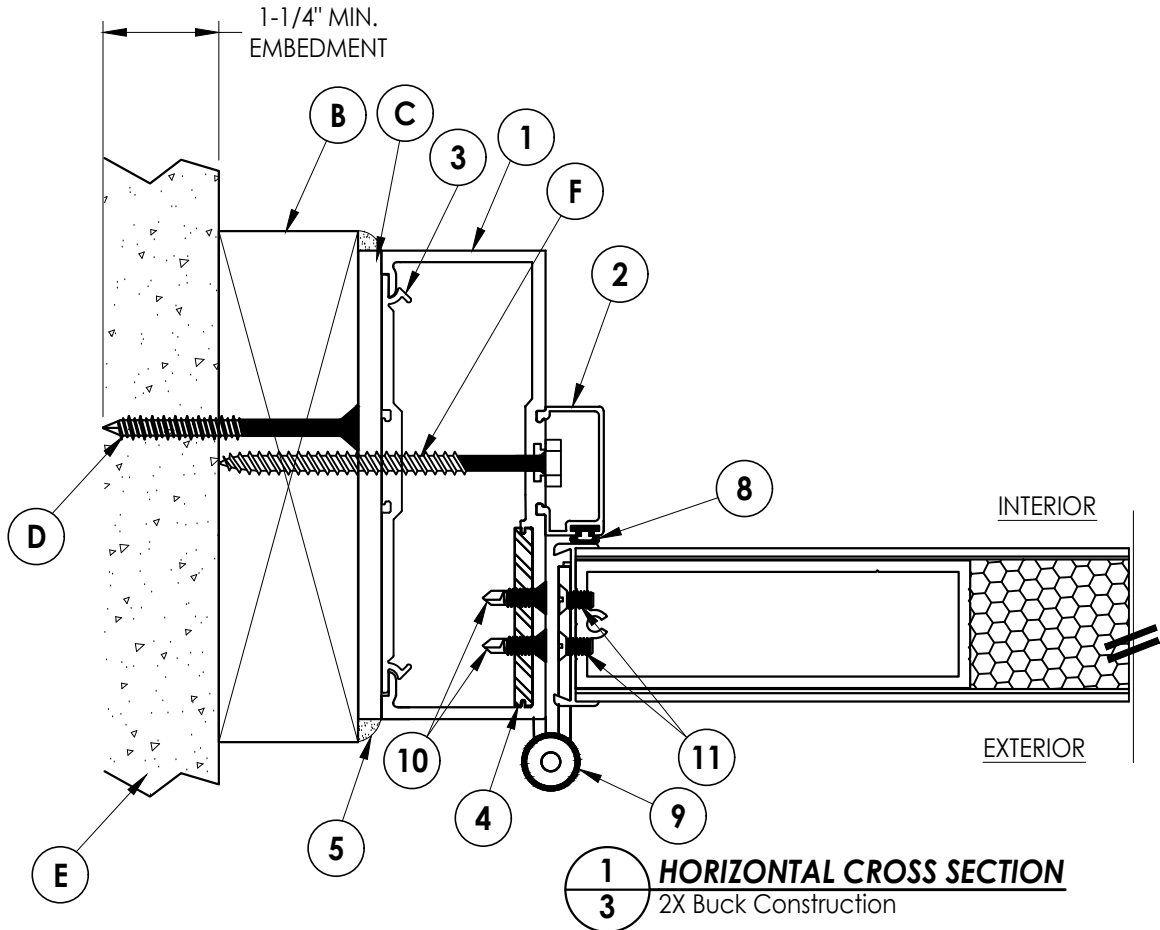


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P.E. No. 43409

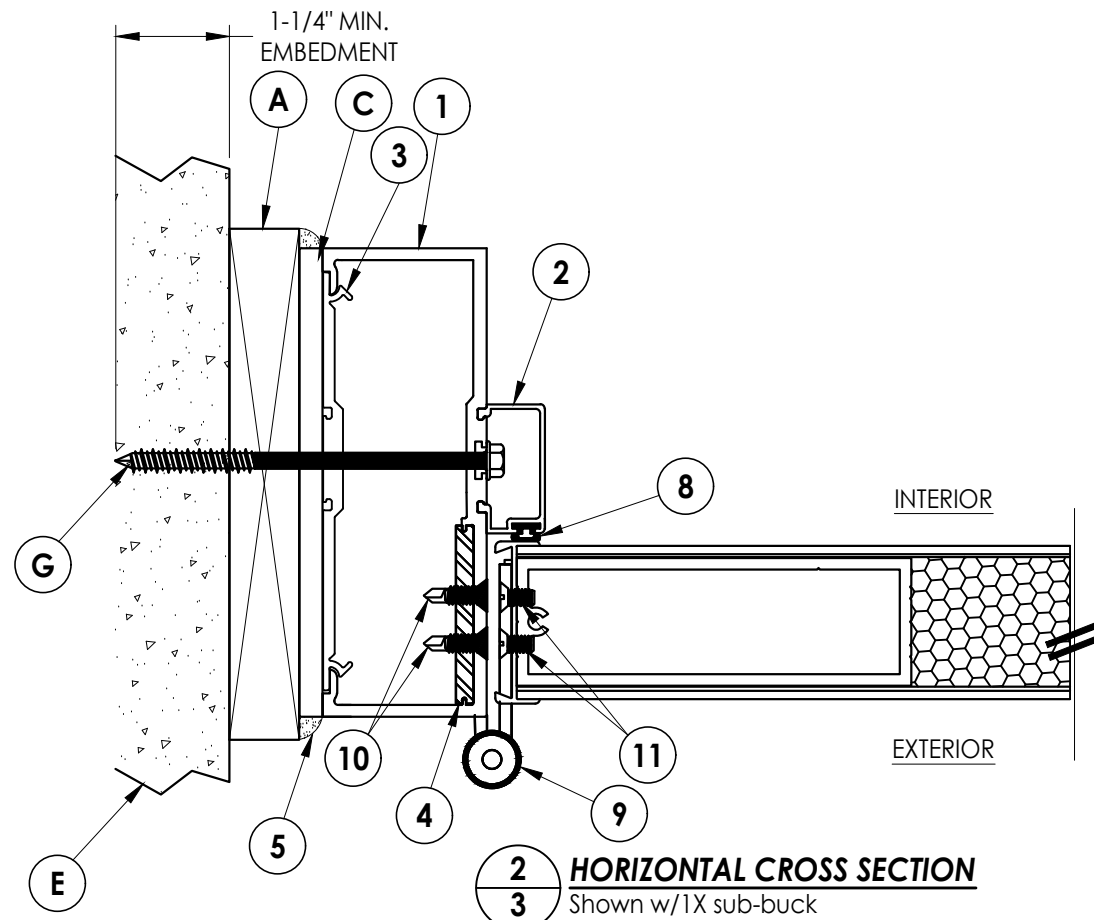
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P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		CLINE DOORS	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
NO.	DATE	BY	REVISIONS
2	7/23/25	LFS	ADD MORTISE LOCK
1	7/05/23	DAG	UPDATE TO 8TH ED. (2023) FBC
DATE: 07/13/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-6336.11			
SHEET 2 OF 7			

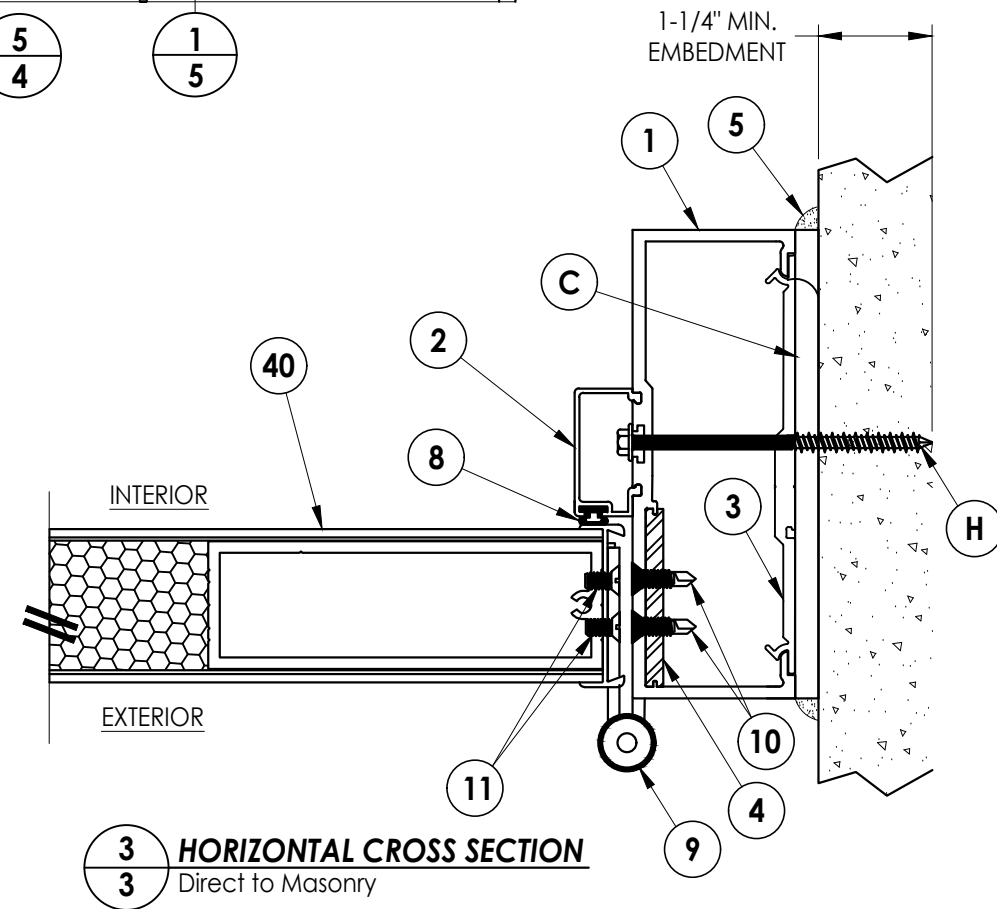
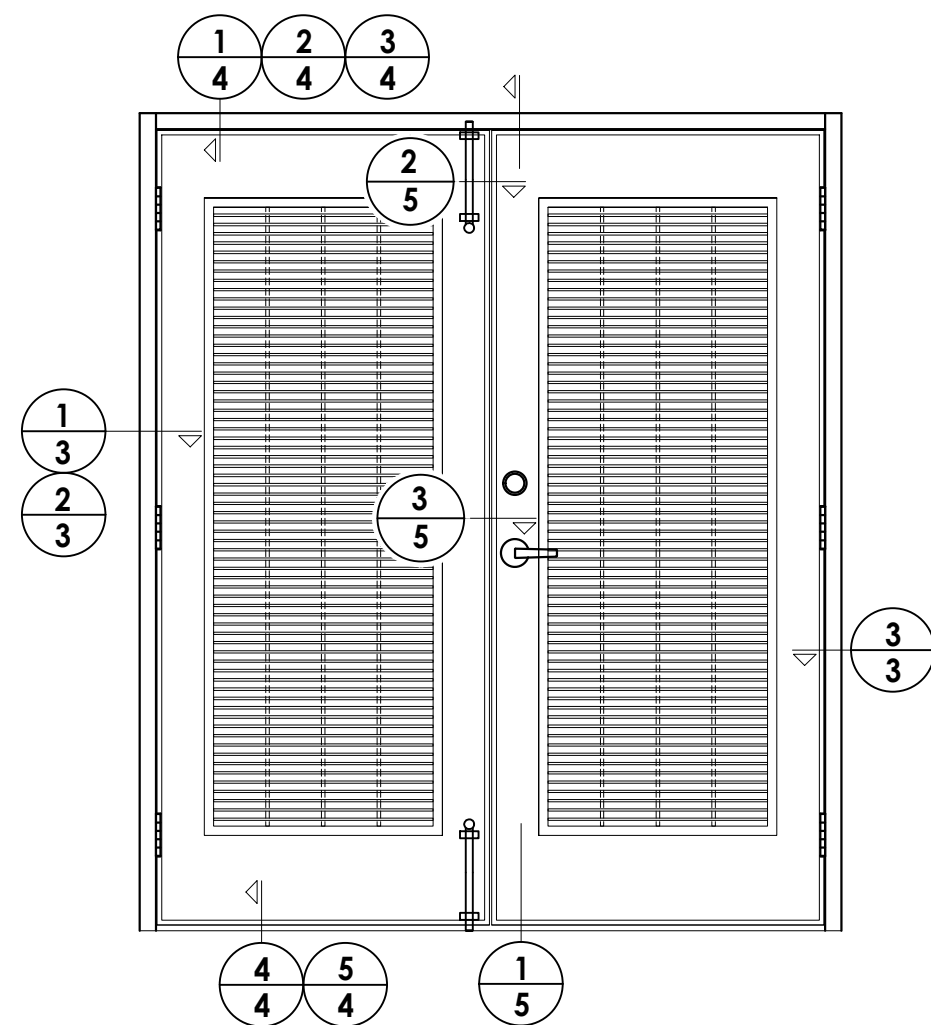
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1
3 **HORIZONTAL CROSS SECTION**
2X Buck Construction



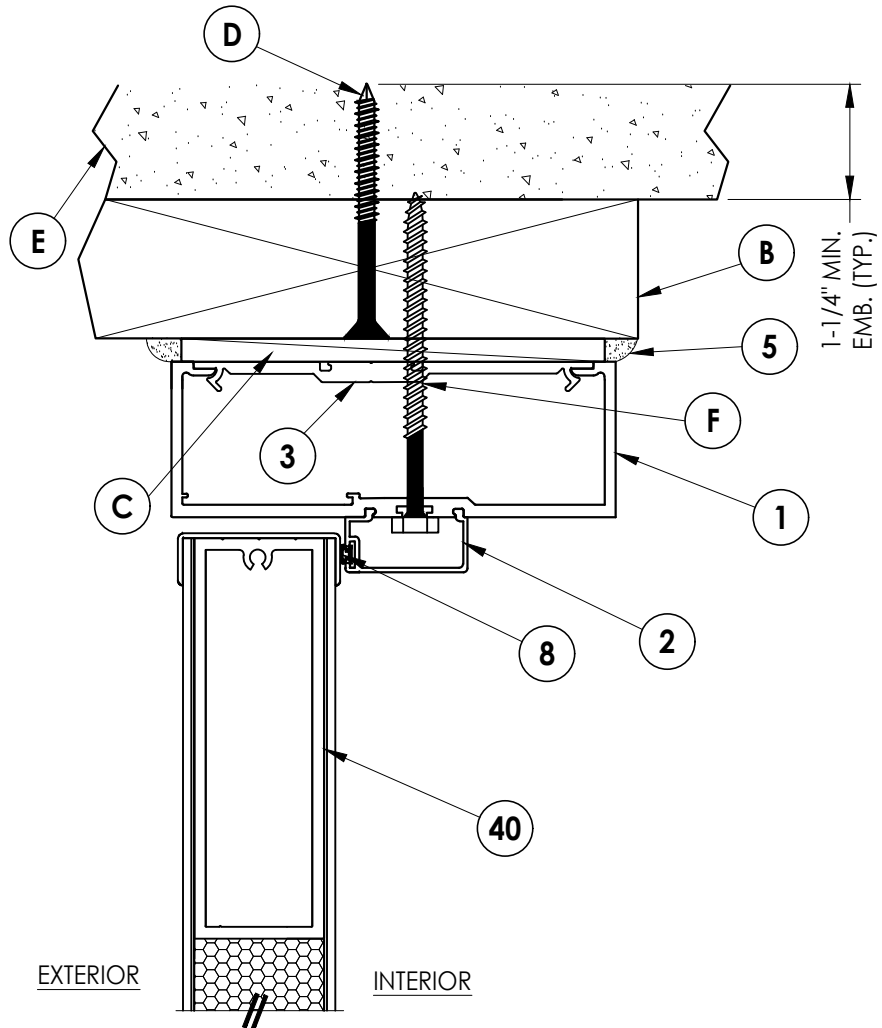
2
3 **HORIZONTAL CROSS SECTION**
Shown w/1X sub-buck



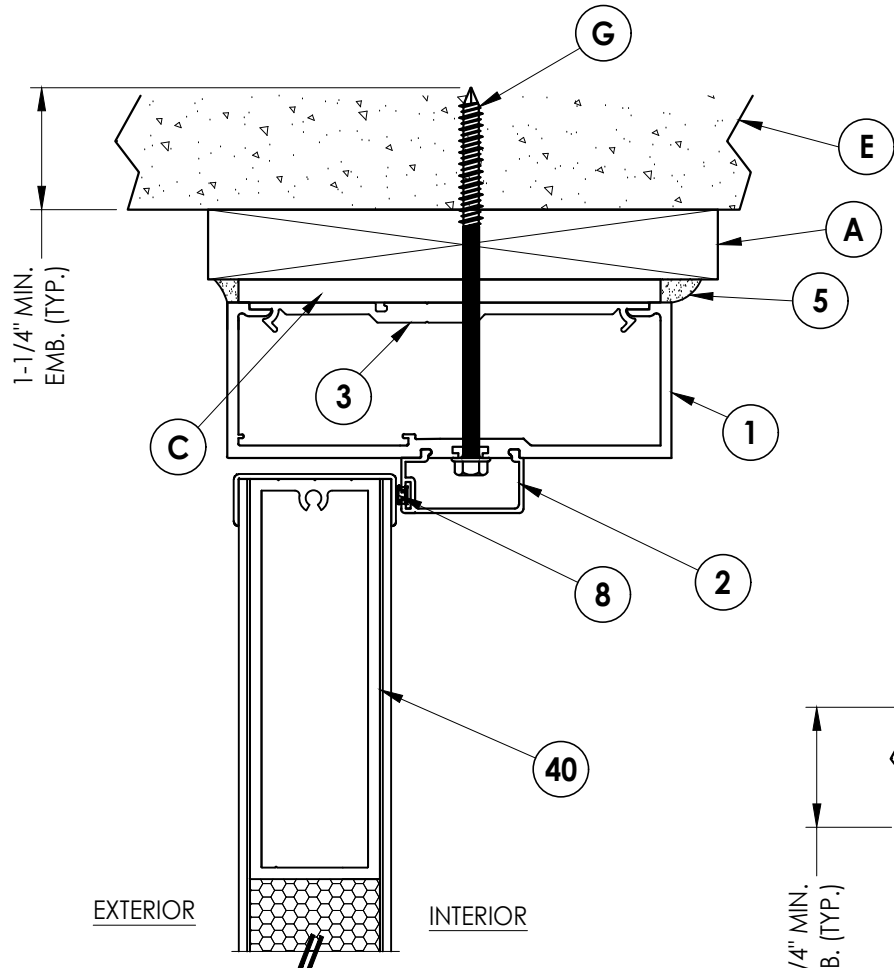
3
3 **HORIZONTAL CROSS SECTION**
Direct to Masonry

Documents Prepared By:		CLINE DOORS		BUILDING CONSULTANTS, INC.	
Lyndon F. Schmidt				P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409				Phone No.: 813.659.9197	
				FBPE Registry No. 9813	
PRODUCT:		PART OR ASSEMBLY:			
		HORIZONTAL CROSS SECTIONS			
		LFS			
		ADD MORTISE LOCK			
		7/23/25			
		7/05/23			
		UPDATE TO 8TH ED. (2023)			
		FBC			
		LFS			
		BY			
		DATE			
		NO.			
		REVISIONS			
DATE: 07/13/21					
SCALE: N.T.S.					
DWG. BY: RW					
CHK. BY: LFS					
DRAWING NO.: FL-6336.11					
SHEET 3 OF 7					

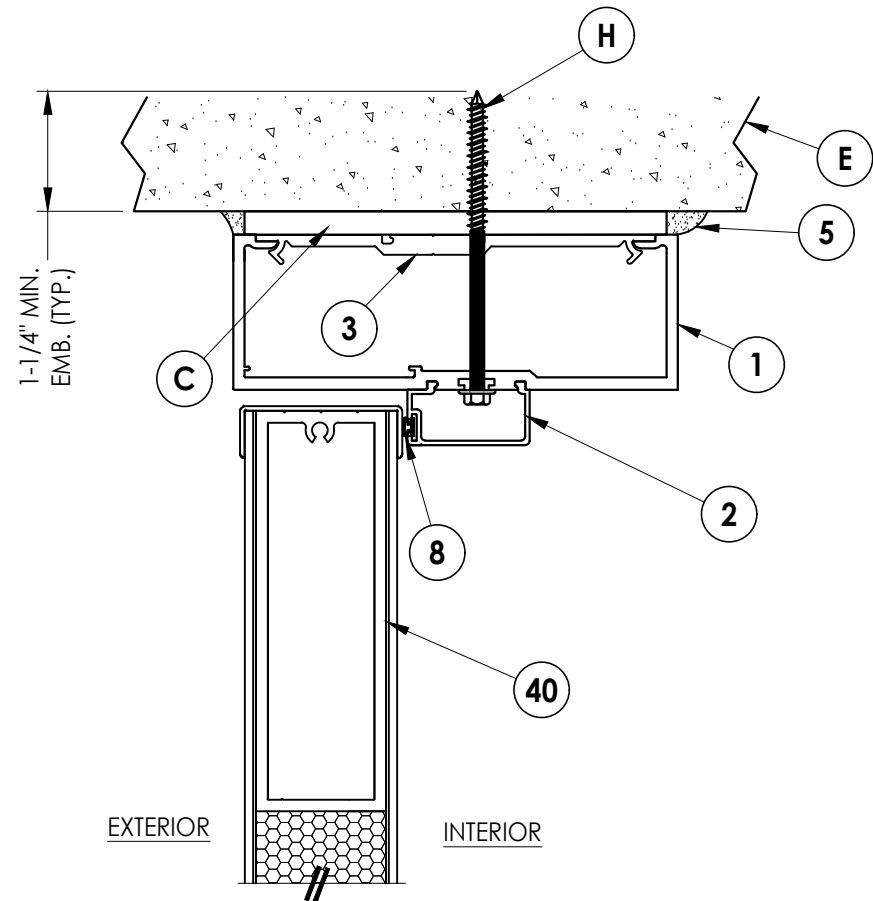
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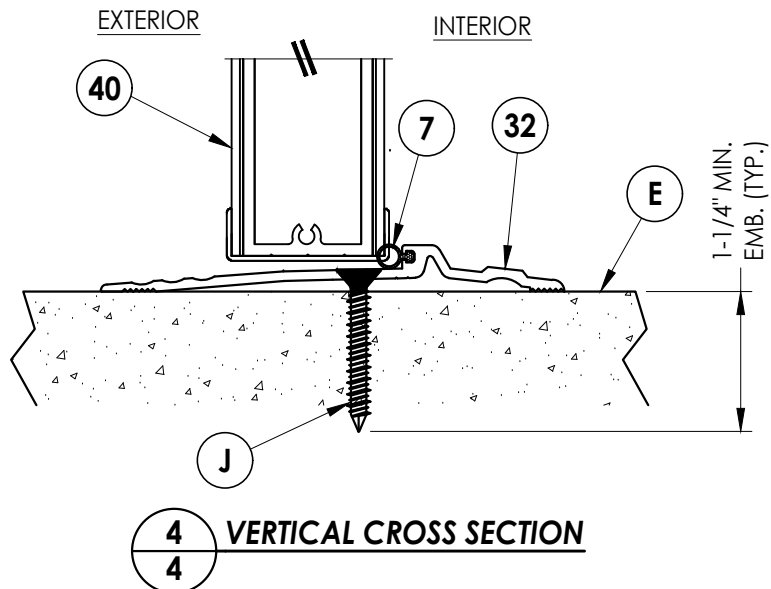
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4 **VERTICAL CROSS SECTION**
2X Buck Construction



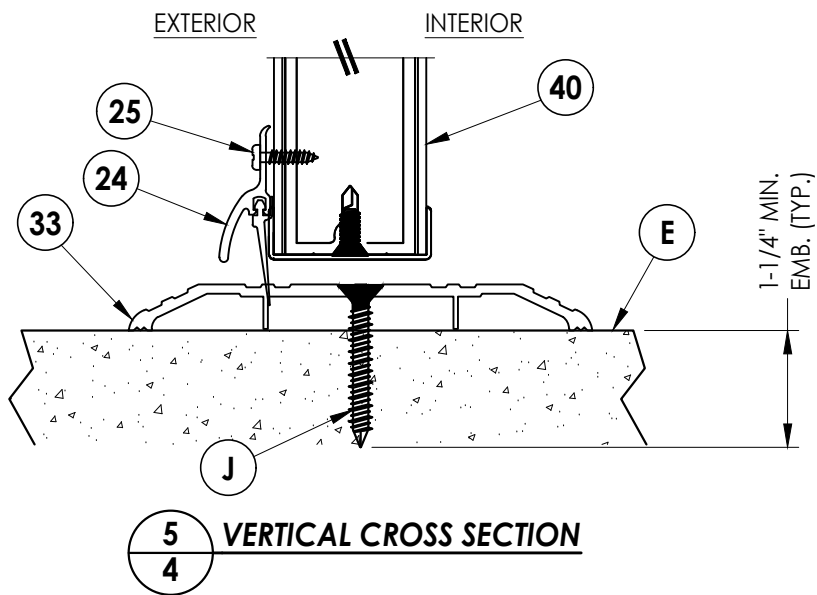
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4 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



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



4
4 **VERTICAL CROSS SECTION**



5
4 **VERTICAL CROSS SECTION**

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: CLINE DOORS

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS
2	7/23/25	ADD MORTISE LOCK
1	7/05/23	UPDATE TO 8TH ED. (2023)
		FBC
		LFS
		BY

DATE: 07/13/21

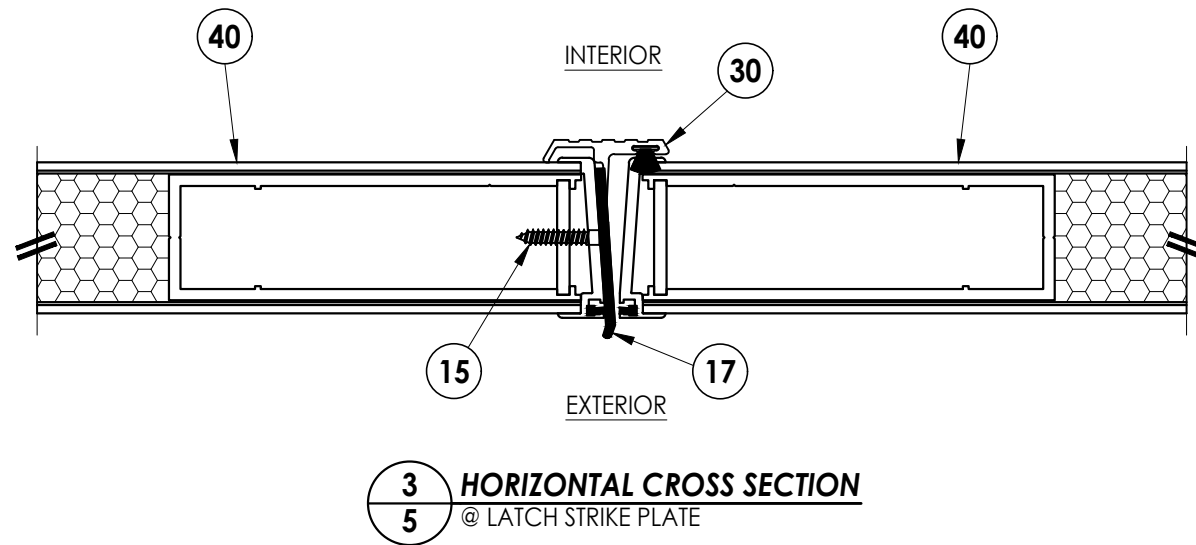
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DWG. BY: RW

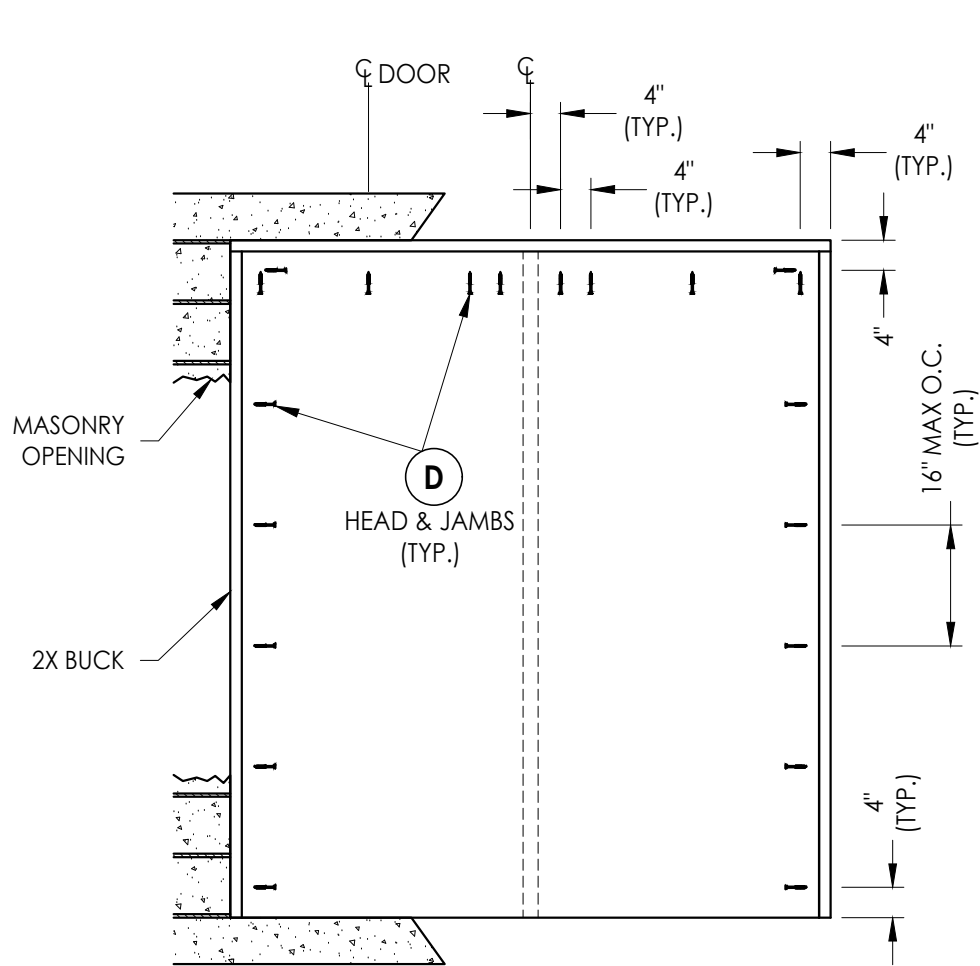
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DRAWING NO.:
FL-6336.11

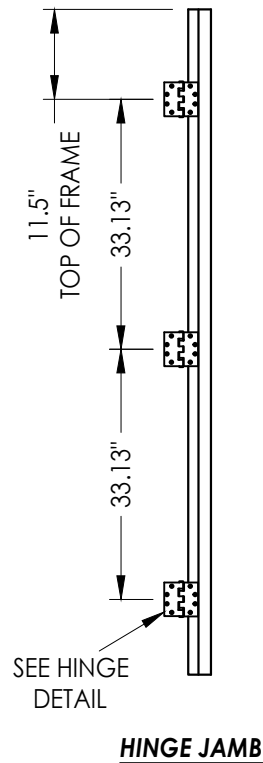
SHEET 4 OF 7

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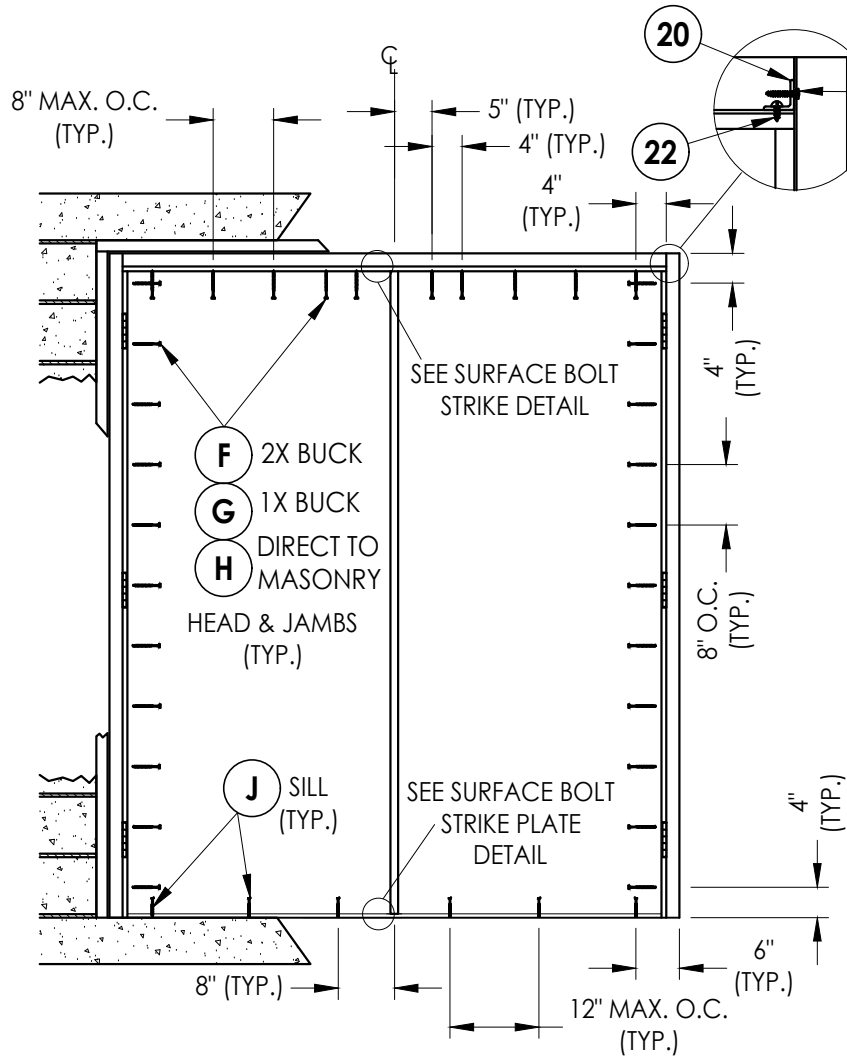
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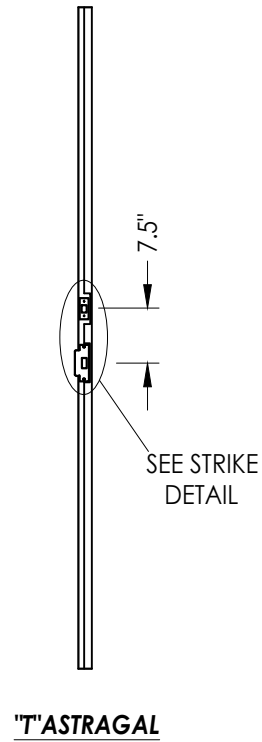
BUCK ANCHORING



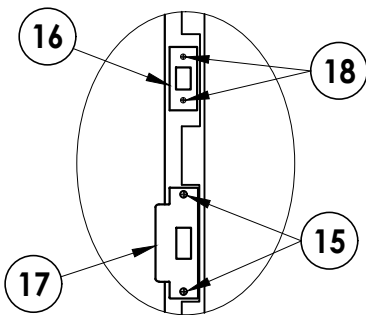
HINGE JAMB



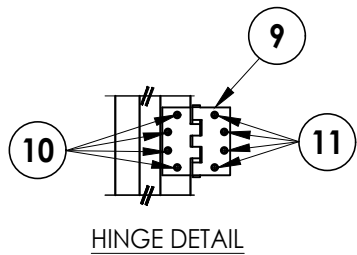
FRAME ANCHORING



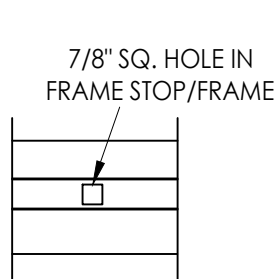
"T" ASTRAGAL



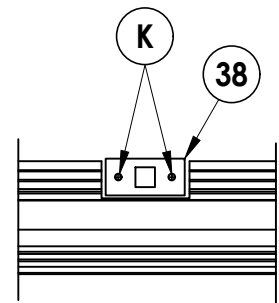
LATCH & DEADBOLT STRIKE DETAIL



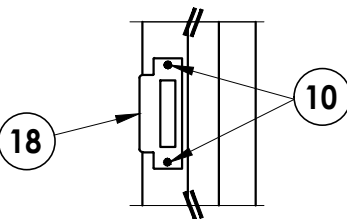
HINGE DETAIL



SURFACE BOLT STRIKE DETAIL
@ HEAD



SURFACE BOLT STRIKE PLATE DETAIL
@ SILL



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 inch edge distance, 1 inch end distance, & 1 inch o.c. spacing of wood screws to prevent the splitting of wood.

Documents Prepared By:
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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT: CLINE DOORS

PART OR ASSEMBLY:

BUCK & FRAME ANCHORING

DATE: 07/13/21

SCALE: N.T.S.

DWG. BY: RW

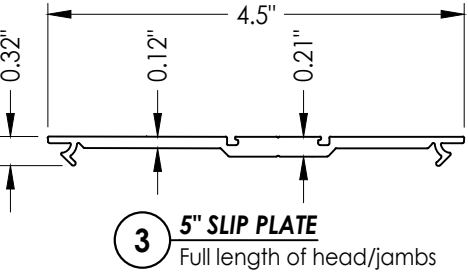
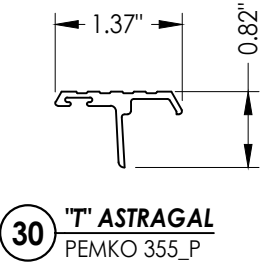
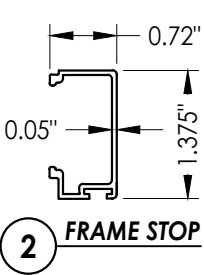
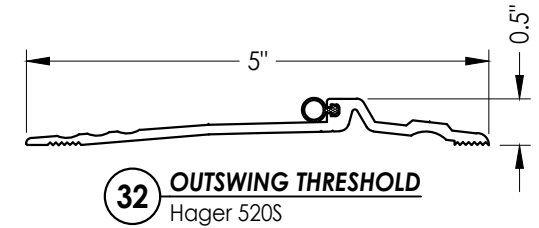
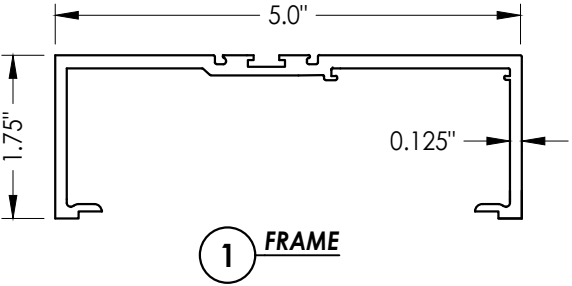
CHK. BY: LFS

DRAWING NO.:

FL-6336.11

SHEET 6 OF 7

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)	-

[illegible]