



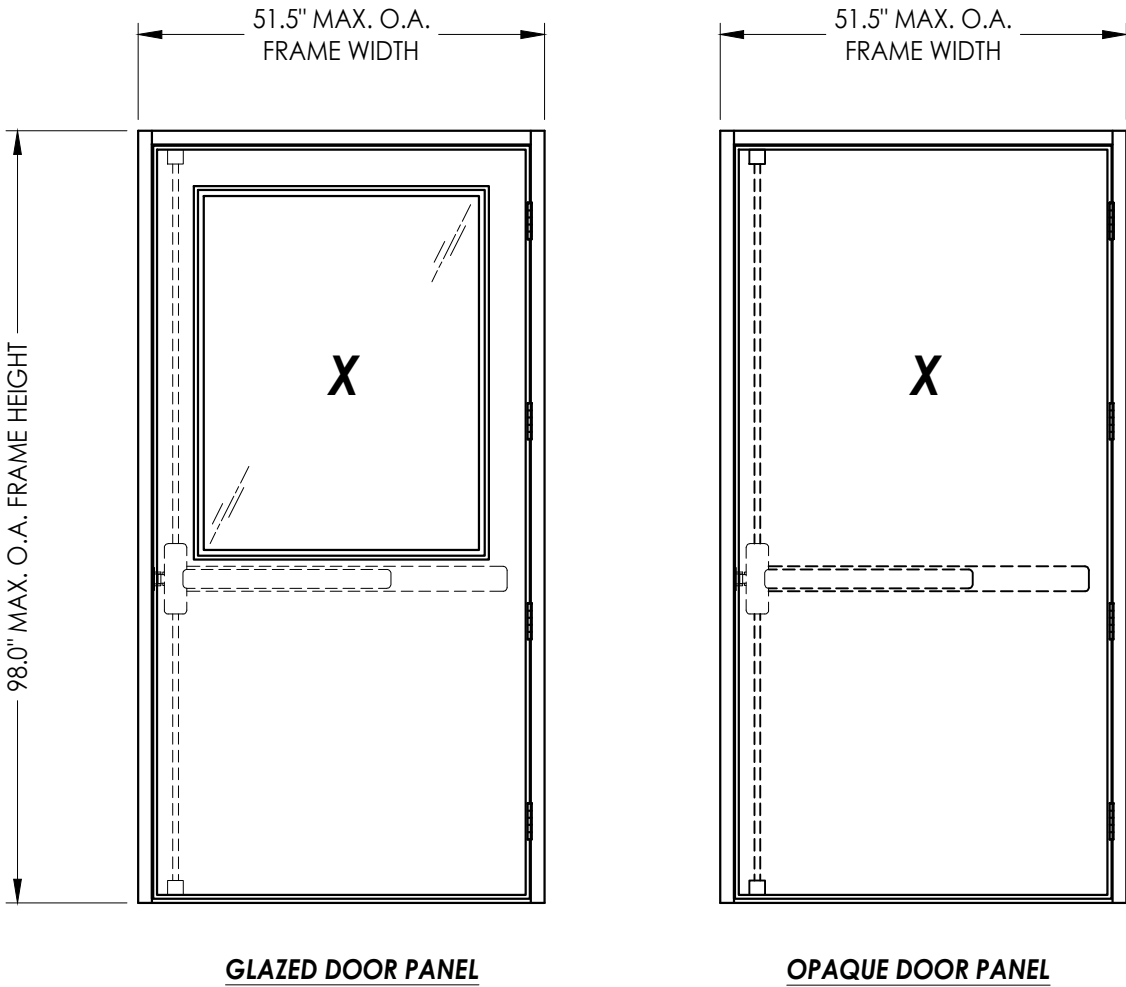
CLINE ALUMINUM DOORS, INC.
112 32nd AVENUE WEST, BRADENTON, FL 34205-8096
Telephone (800) 648-6736

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

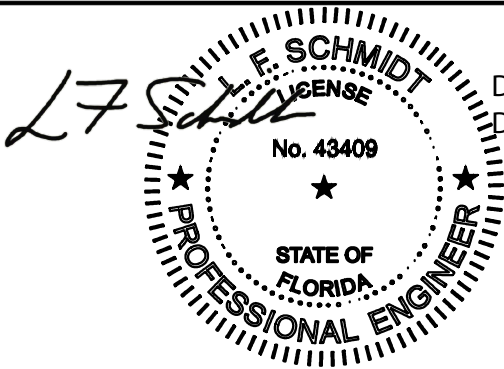
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. 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.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
8. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.

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



LOCK HARDWARE	MAX. FRAME DIMENSION	MAX. DOOR D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
CORBIN RUSSWIN FE5400S SERIES MULTI-POINT EXIT DEVICE	40.0" x 88.0"	22.63" X 32.63"	+90.0	-90.0
	51.5" x 98.0"	34.88" X 44.88"	+80.0	-80.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.21 15:34:39 -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

CLINE DOORS

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

REVISIONS

NO.	DATE	BY
6	7/02/26	LFS
5	7/05/23	LFS
4	8/11/20	DAC

DATE: 9/5/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

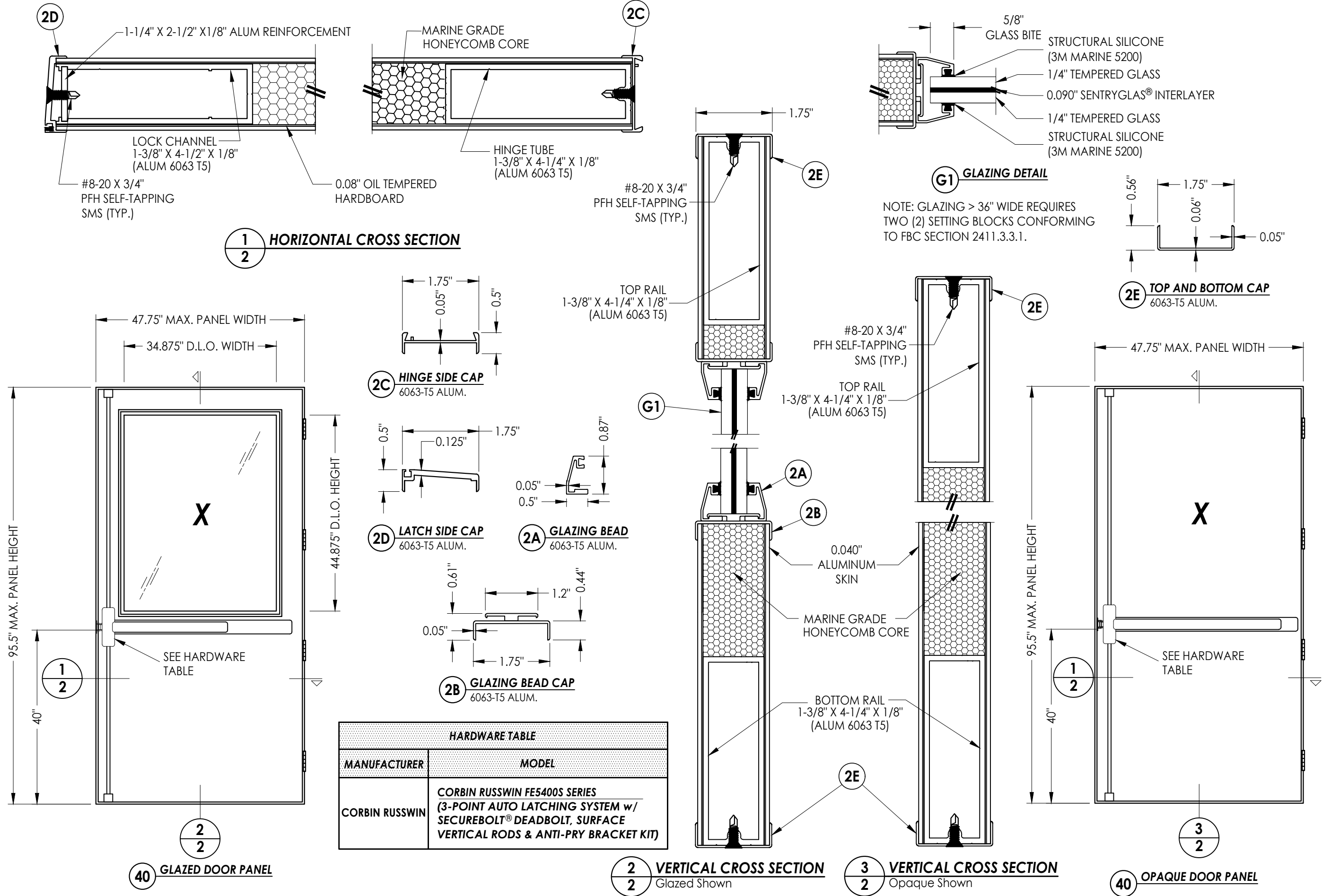
DRAWING NO.: FL-6336.6

SHEET 1 OF 7

R.W. BUILDING CONSULTANTS, INC.

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

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Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT:
CLINE DOORS

PART OR ASSEMBLY:
DOOR PANEL DETAILS
AND GLAZING DETAIL

NO.	DATE	REVISIONS			
		DATE	BY	DESCRIPTION	
6	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC LFS	
5	7/05/23	UPDATE TO 8TH ED.	(2023)	FBC LFS	
4	8/11/20	UPDATE TO 7TH ED.	(2020)	FBC DAC	

DATE: 6/8/11

SCALE: N.T.S.

DWG. BY: JK

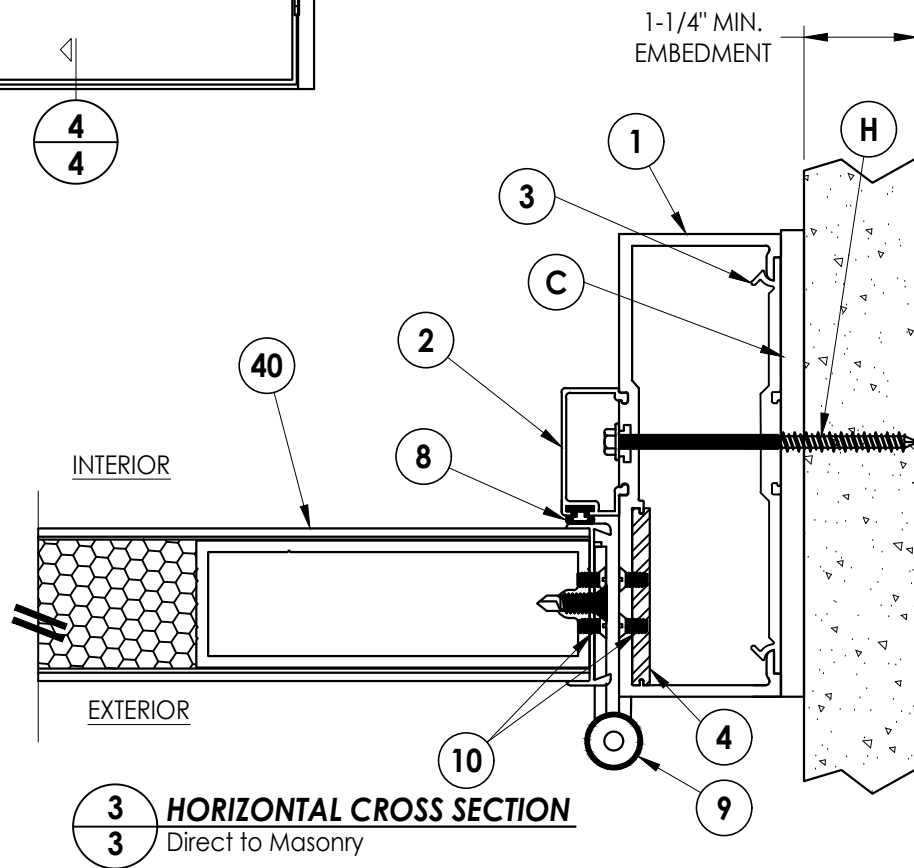
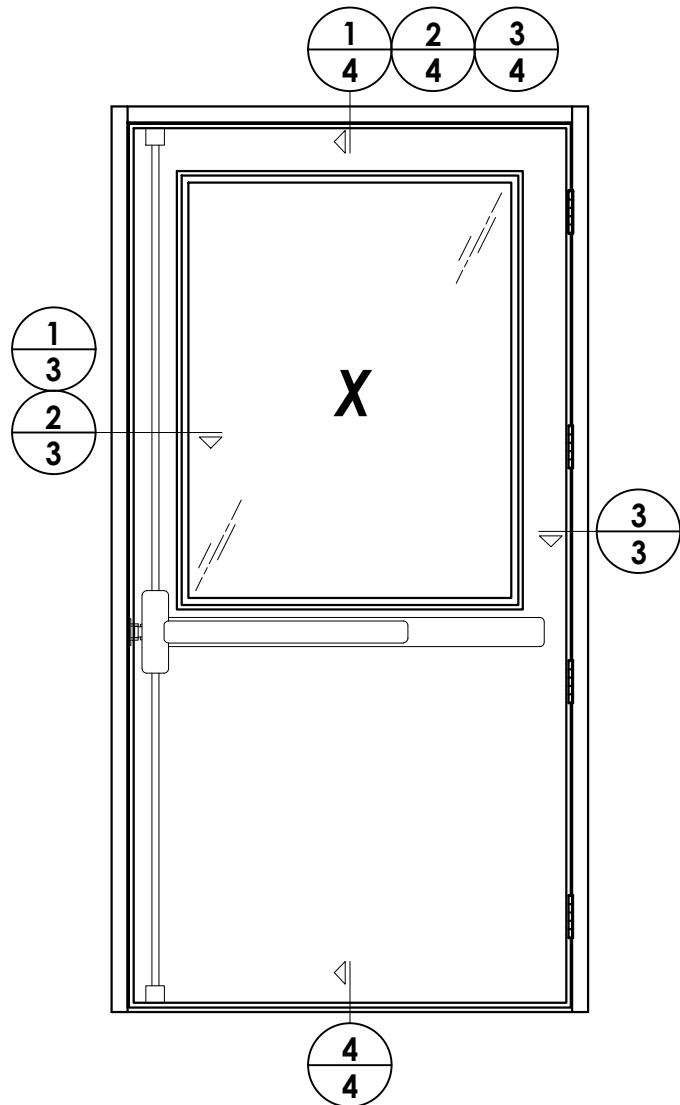
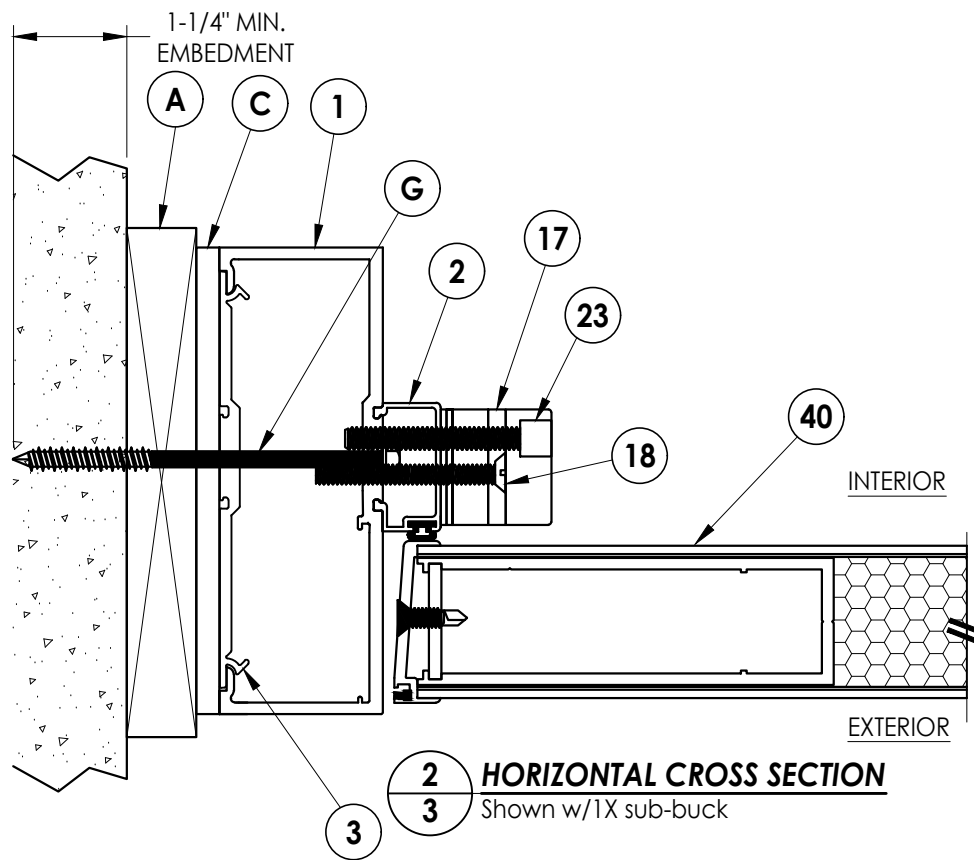
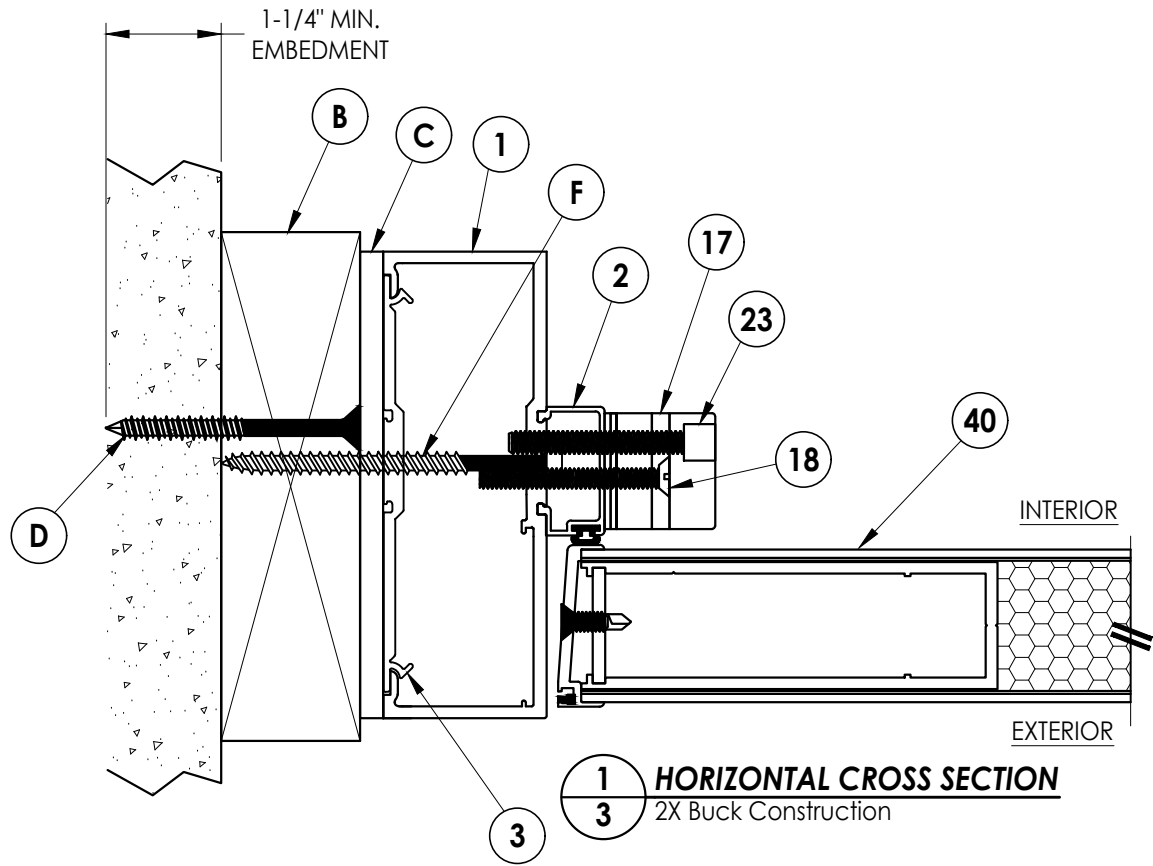
CHK. BY: LFS

DRAWING NO.:

FL-6336.6

SHEET 2 OF 7

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PRODUCT: CLINE DOORS

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

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

DATE: 9/5/13

SCALE: N.T.S.

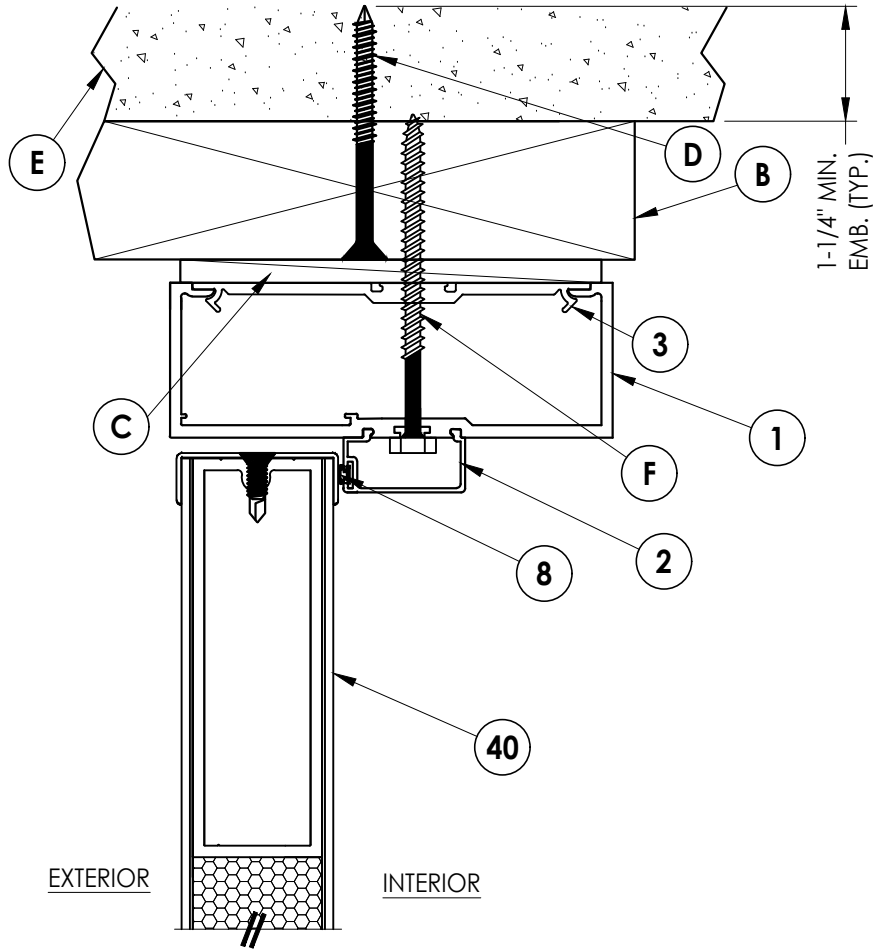
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CHK. BY: LFS

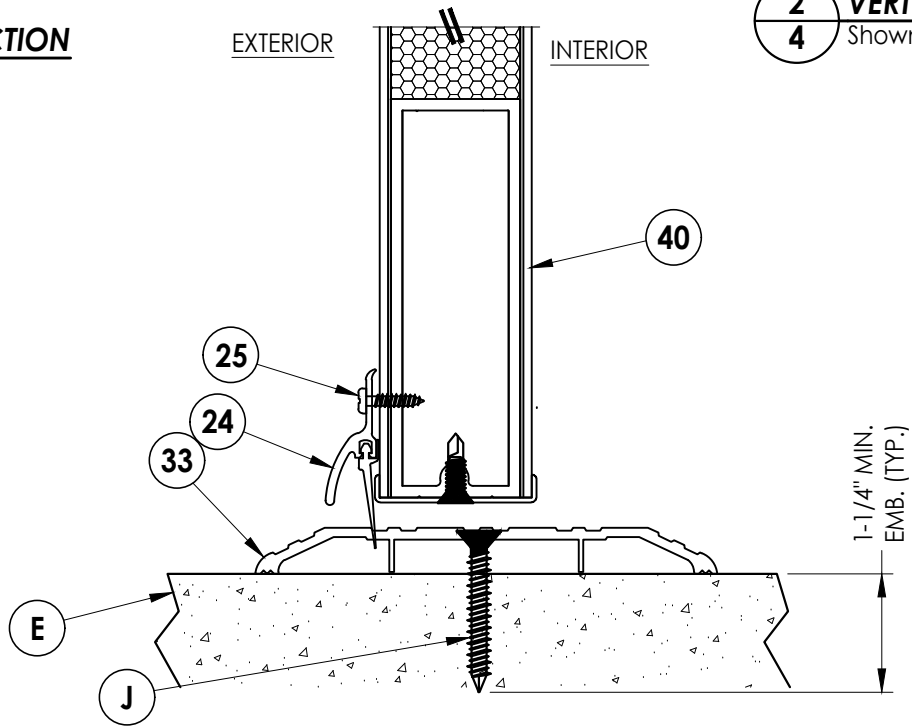
DRAWING NO.: FL-6336.6

SHEET 3 OF 7

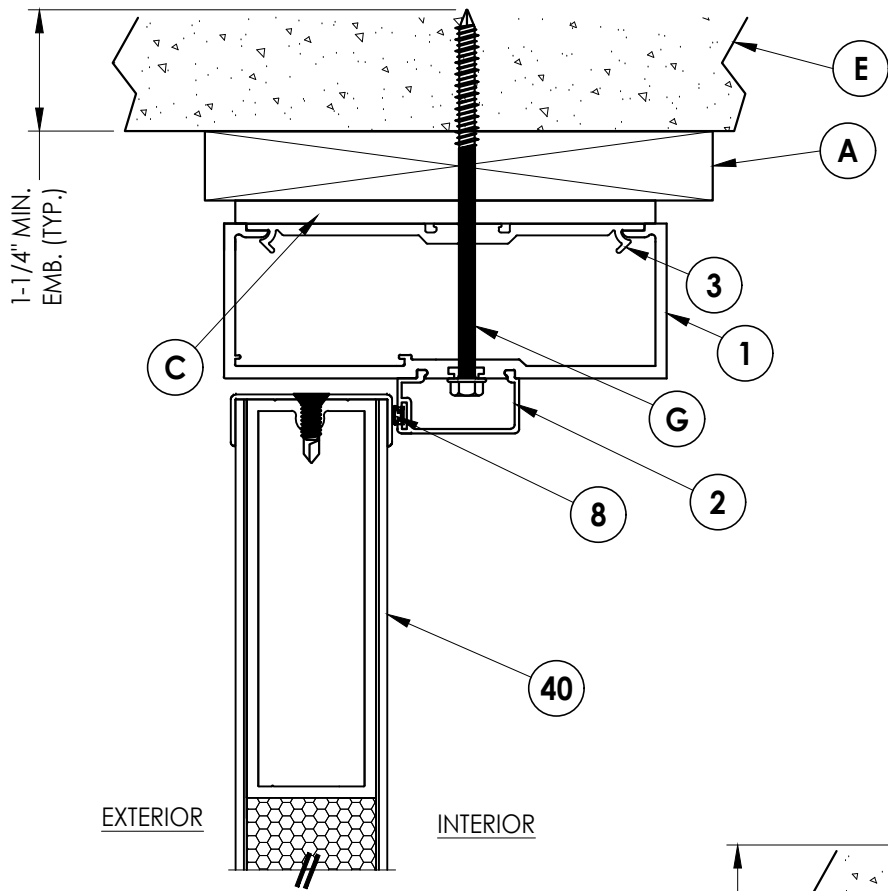
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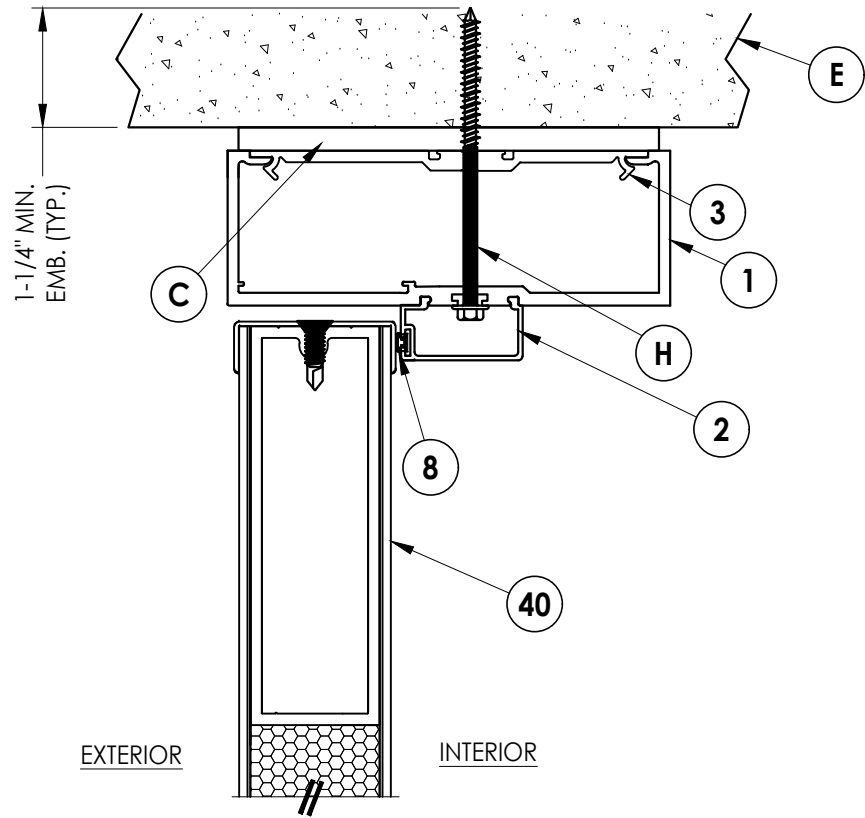
1
4 **VERTICAL CROSS SECTION**
2X Buck Construction



4
4 **VERTICAL CROSS SECTION**



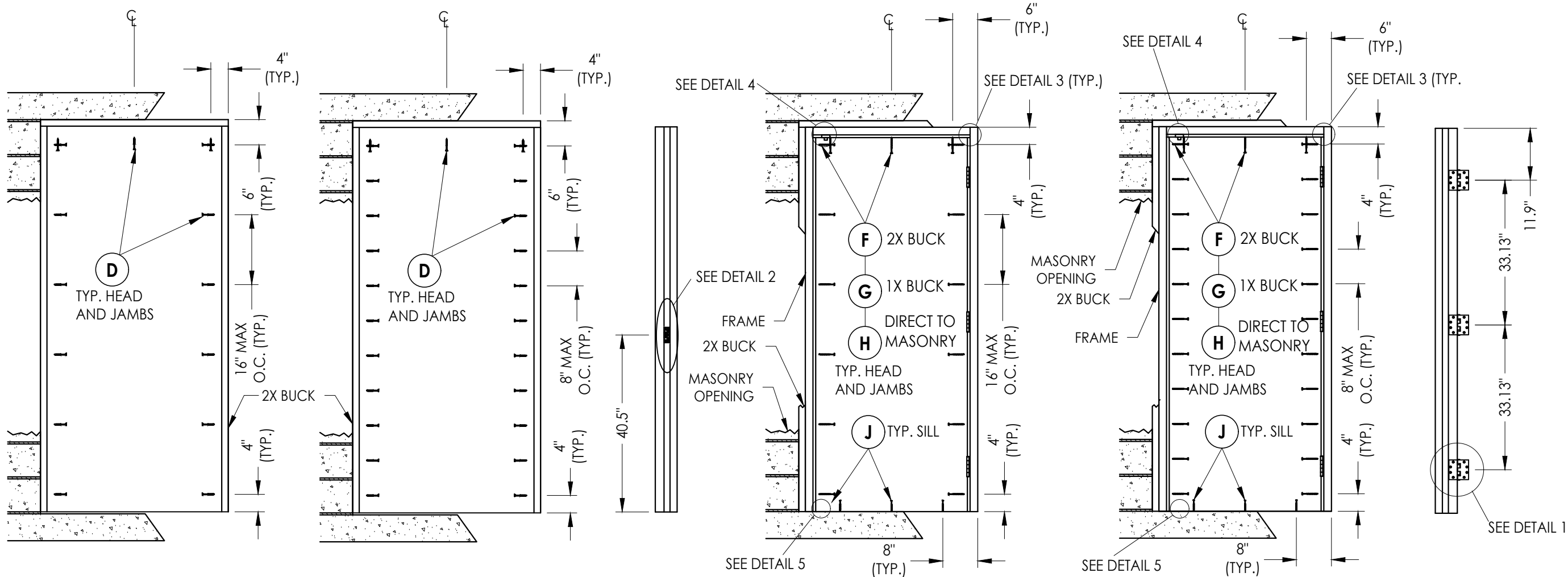
2
4 **VERTICAL CROSS SECTION**
Shown w/1X sub-buck



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

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: VERTICAL CROSS SECTIONS			

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BUCK ANCHORING
Max. D.P. <= 60 PSF

BUCK ANCHORING
Max. D.P. <= 90 PSF

LATCH JAMB

FRAME ANCHORING
Max. D.P. <= 60 PSF

FRAME ANCHORING
Max. D.P. <= 90 PSF

HINGE JAMB

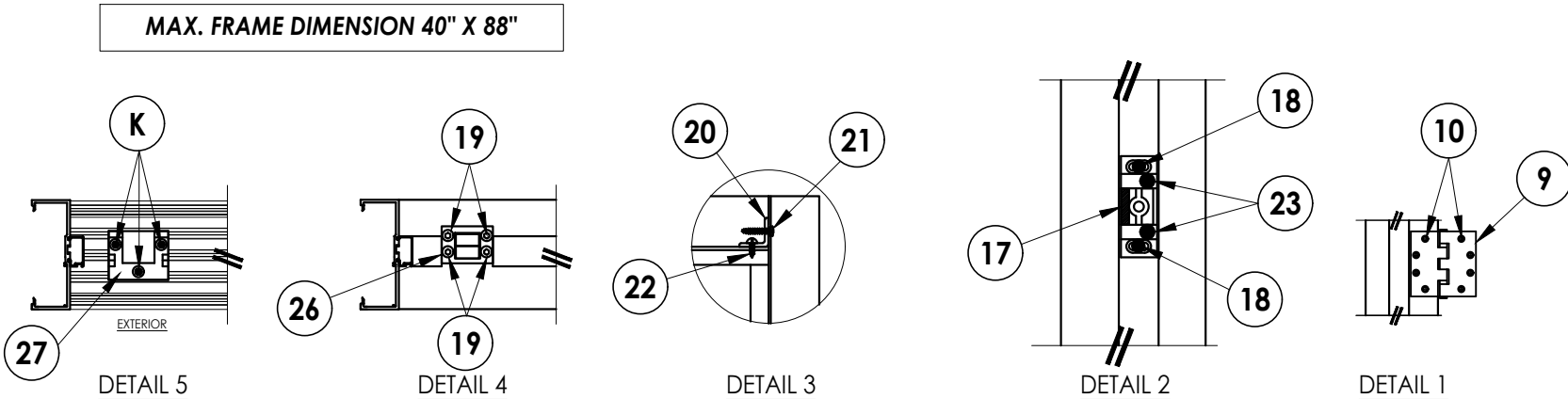
CONCRETE ANCHOR NOTES:

- 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 TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"
	3/16"	1-3/4"	2-1/2"	1-3/4"

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.



Documents Prepared By:
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P.E. No. 43409

CLINE DOORS

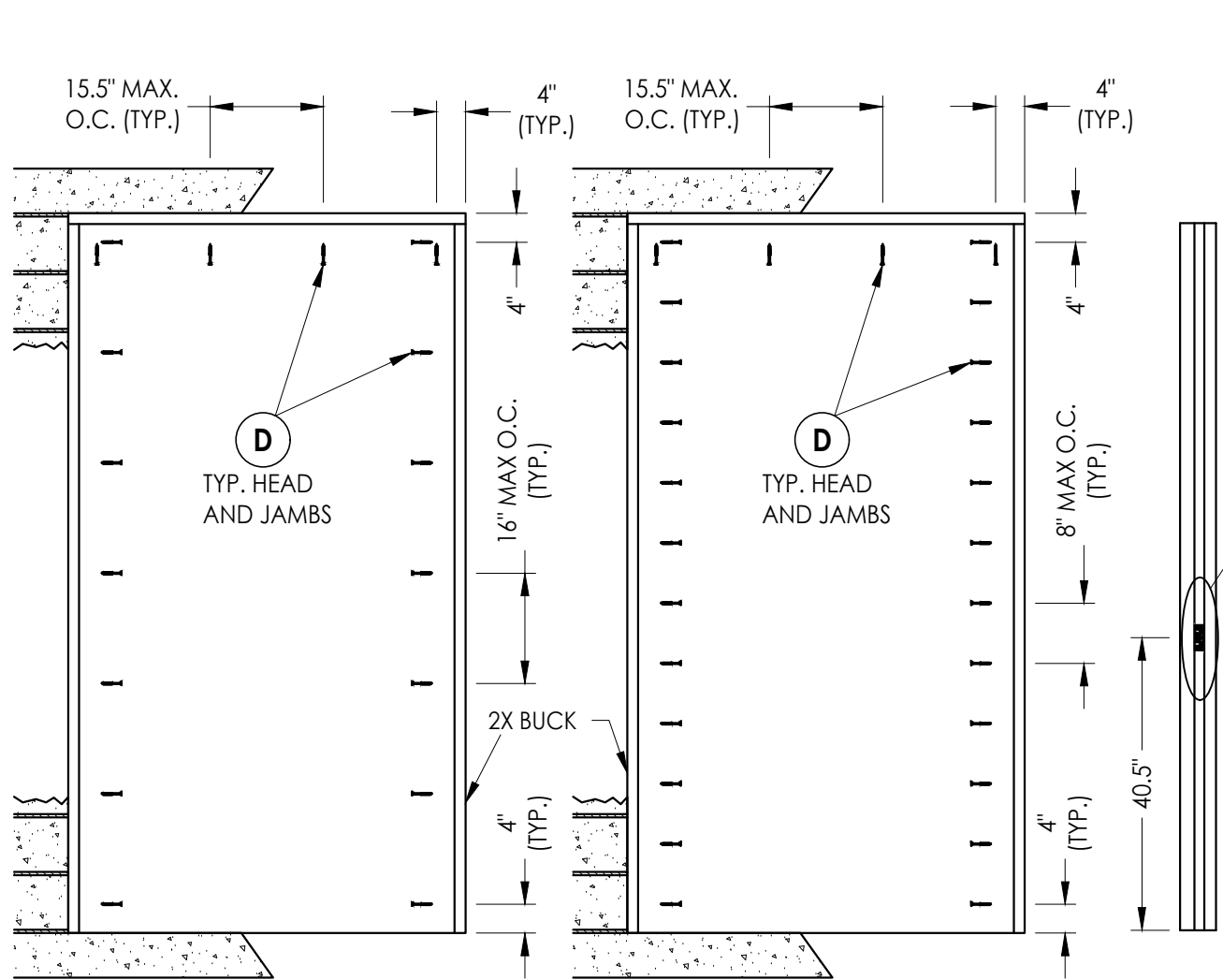
DATE: 9/5/13
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-6336.6
SHEET 5 OF 7

REVISIONS

NO.	DATE	BY	REVISIONS
6	7/02/26	LFS	UPDATE TO 9TH ED. (2026) FBC
5	7/05/23	LFS	UPDATE TO 8TH ED. (2023) FBC
4	8/11/20	DAC	UPDATE TO 7TH ED. (2020) FBC

BUCK AND FRAME ANCHORING

BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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BUCK ANCHORING
Max. D.P. <= 50 PSF

BUCK ANCHORING
Max. D.P. <= 80 PSF

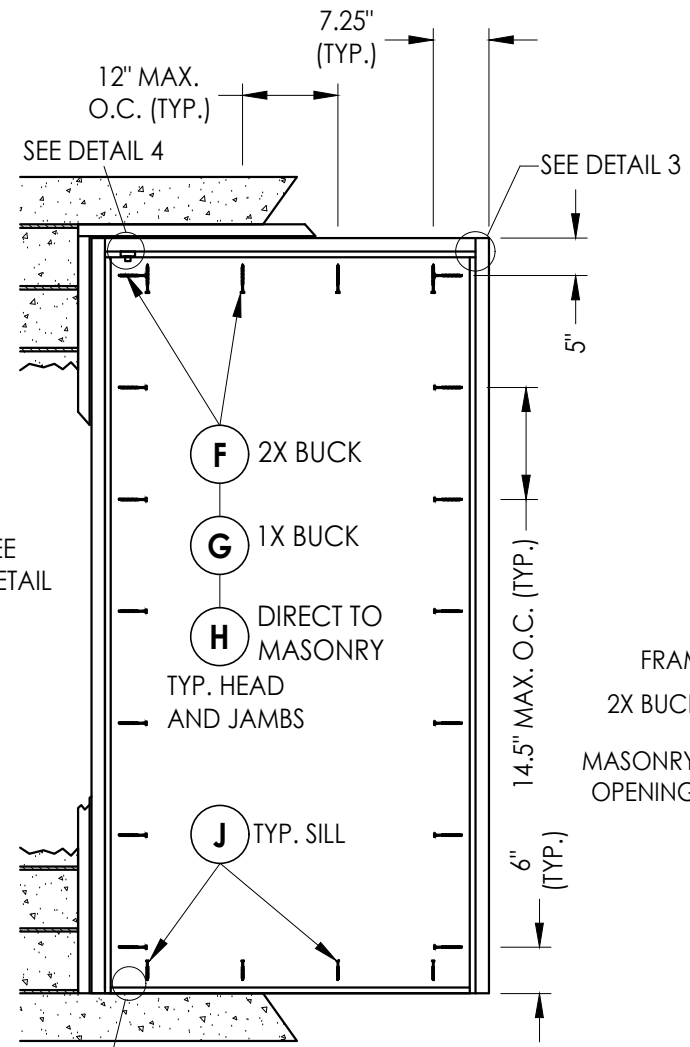
CONCRETE ANCHOR NOTES:

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3. Concrete anchor table:

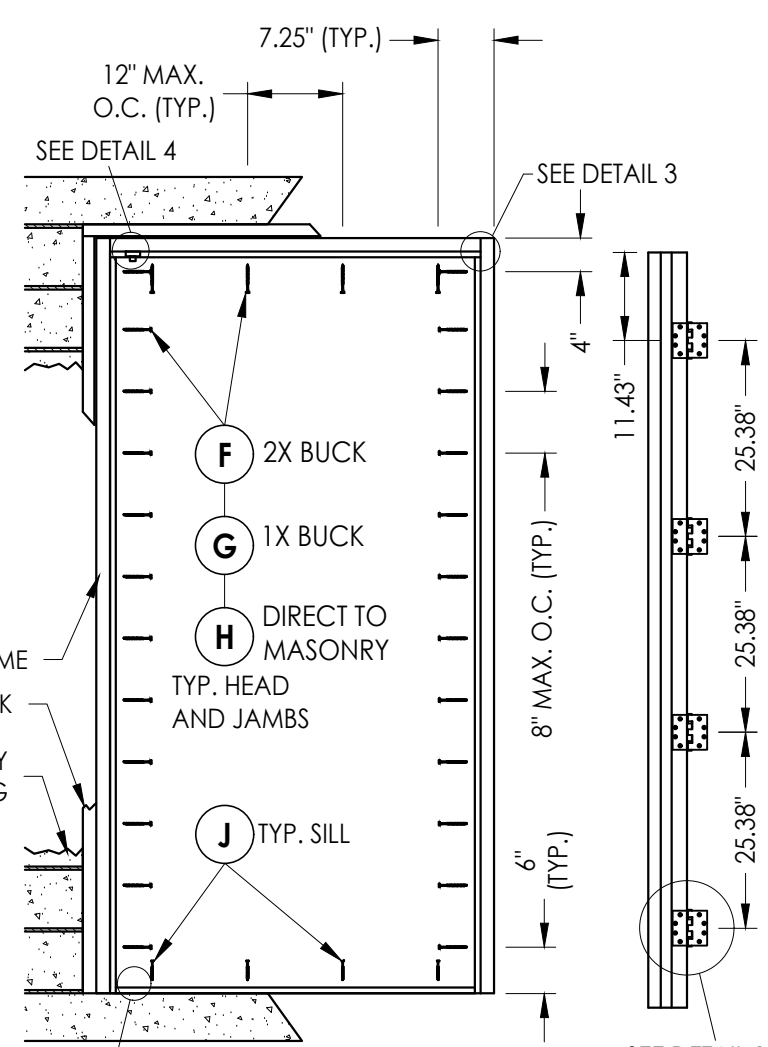
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	1/4"	1-1/4"	2-1/2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	2-1/2"	4"
	3/16"	1-3/4"	2-1/2"	1-3/4"

WOOD SCREW INSTALLATION NOTES:

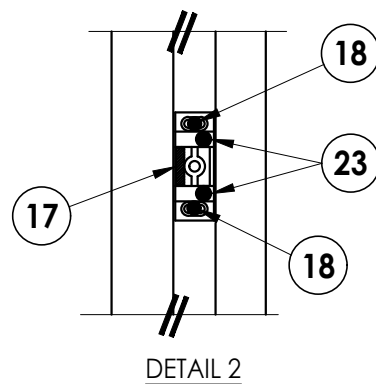
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



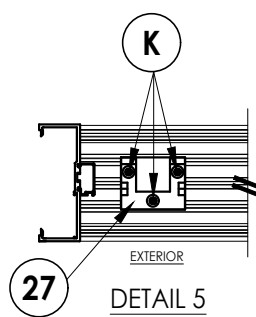
FRAME ANCHORING
Max. D.P. <= 50 PSF



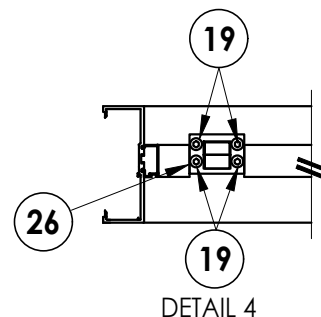
FRAME ANCHORING
Max. D.P. <= 80 PSF



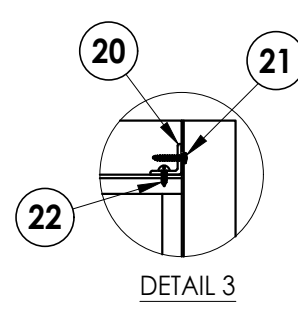
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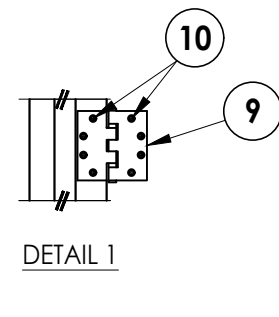
DETAIL 5



DETAIL 4



DETAIL 3



DETAIL 1

Documents Prepared By:
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FBPE Registry No. 9813

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

[illegible]

DATE: 9/5/13

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

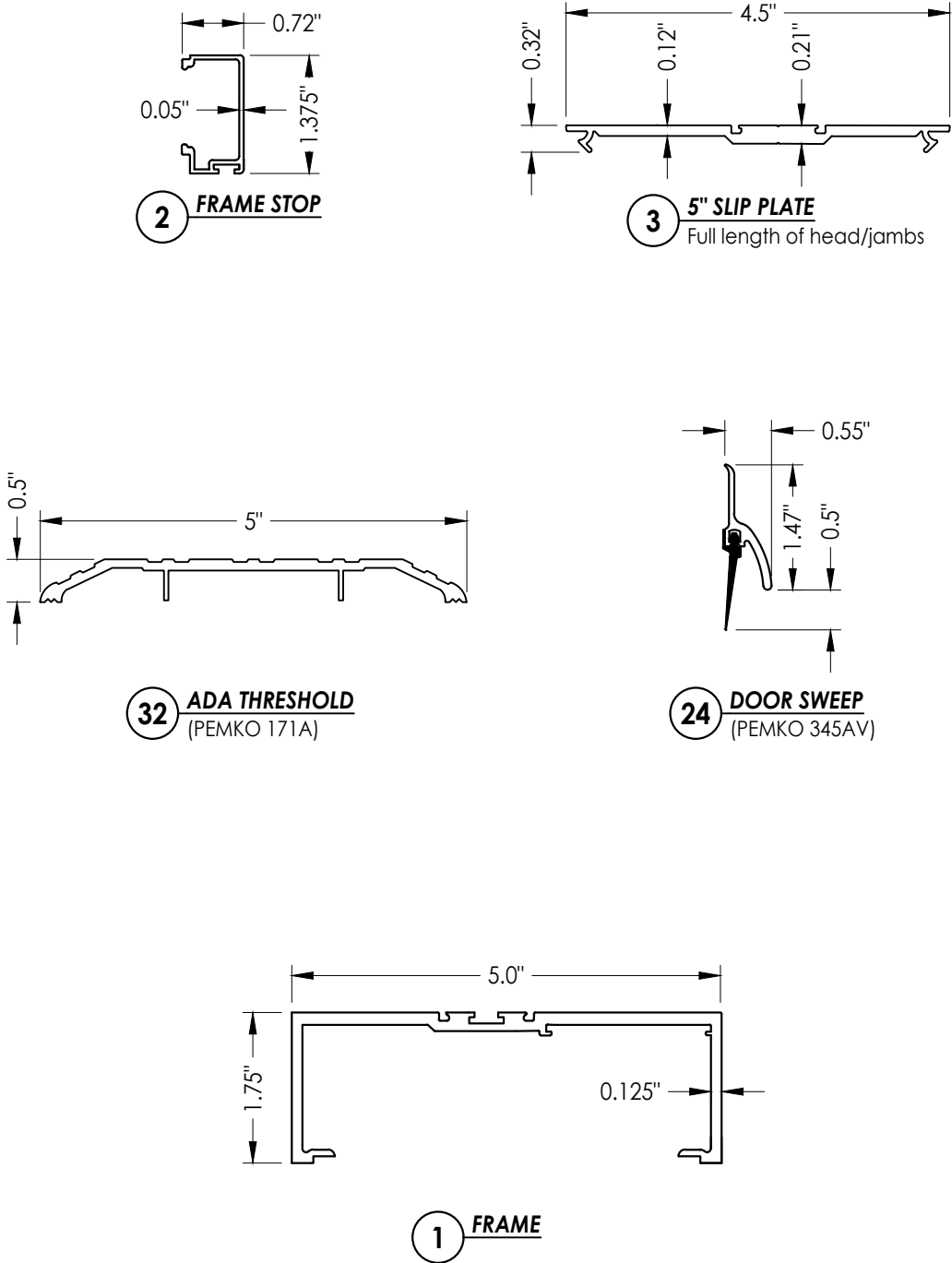
DRAWING NO.:

FL-6336.6

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" PFH 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" HH LAG SCREW (1.5" MIN. EMBEDMENT)	STEEL
G	1/4" X 4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" x 3-1/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" x 1-3/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
K	3/16" x 2-1/4" PFH DeWALT CONCRETE SCREW	STEEL
1	FRAME	ALUM 6063 T5
2	FRAME STOP	ALUM 6063 T5
3	5" SLIP PLATE	ALUM 6063 T5
4	HINGE REINFORCEMENT	ALUM
8	WOOL PILE WEATHERSTRIP	-
9	4-1/2" X 4-1/2" HINGE	STEEL
10	1/4 - 20 x 1/2" PFH MACHINE SCREW	STEEL
17	CENTER BOLT ROLLER STRIKE PLATE	STEEL
18	#12-24 X 2" FH MACHINE SCREW	STEEL
19	1/4 - 20 x 1" PFH MACHINE SCREW	STEEL
20	CORNER REINFORCEMENT (1" X 1" X 1/8" X 4.75" LONG ANGLE)	ALUM
21	#10 X 1" PPH SMS	STEEL
22	#10 X 1/2" PPH SMS	STEEL
23	#8 X 2" CAP SCREW	STEEL
24	DOOR SWEEP (PEMKO 345AV)	-
25	#6 X 5/8" PPH SMS	STEEL
26	TOP LATCH STRIKE HOUSING	STEEL
27	BOTTOM BOLT STRIKE PLATE	STEEL
32	ADA THRESHOLD (PEMKO 171A)	ALUM
40	DOOR PANEL (SEE DOOR PANEL DETAILS)	-



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

CLINE DOORS

PRODUCT:

CLINE DOORS

PRODUCT:

Part or Assembly:
BILL OF MATERIALS
& COMPONENTS

Part or Assembly:
BILL OF MATERIALS
& COMPONENTS

DATE: 9/5/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-6336.6

SHEET 7 OF 7

6 7/02/26 UPDATE TO 9TH ED. (2026) FBC LFS

5 7/05/23 UPDATE TO 8TH ED. (2023) FBC LFS

4 8/11/20 UPDATE TO 7TH ED. (2020) FBC DAC

NO. DATE

REVISIONS

R.W.

BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

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