



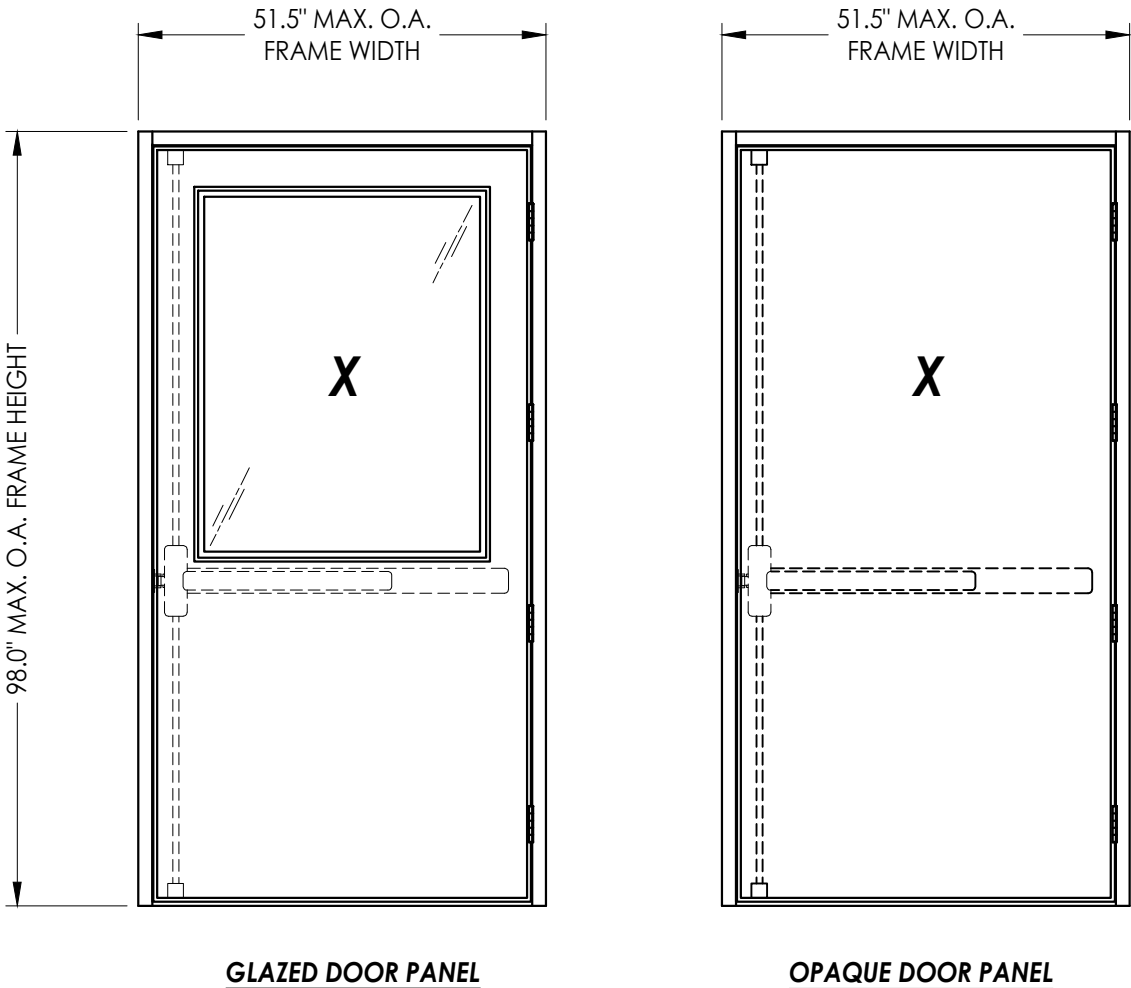
CLINE ALUMINUM DOORS, INC.
112 32nd AVENUE WEST, BRADENTON, FL 34205-8096
Telephone (800) 648-6736

**SERIES 200BE
FRP DOOR
OUTSWING
"IMPACT"**

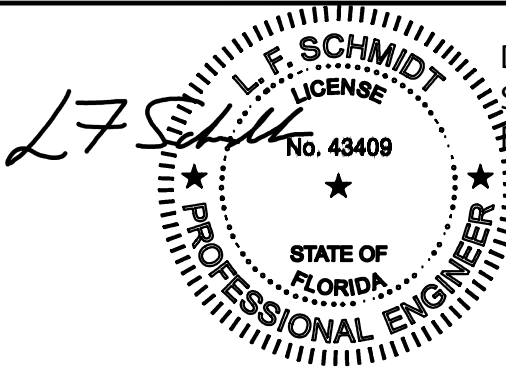
GENERAL NOTES

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 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 and glazing detail
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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: 2023.07.05 09:18:18 -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

5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	DAC
3	7/7/17	UPDATE TO 6TH ED. (2017)	FBC	JK
2	9/9/15	ADD OPAQUE DOOR & NEW SIZE	JK	JK
1	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK
NO.	DATE			BY
REVISIONS				

DATE: 9/5/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

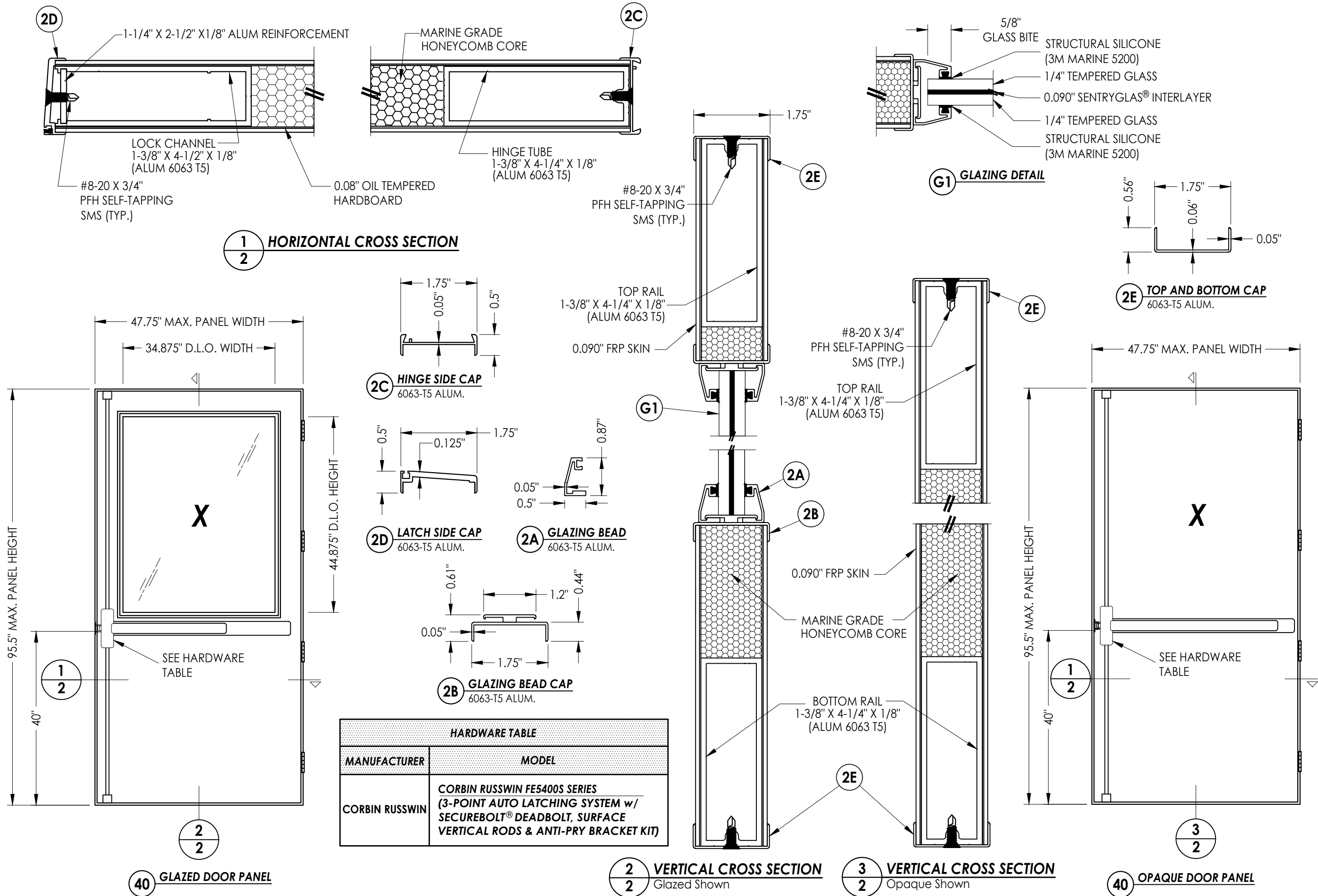
DRAWING NO.: FL-6336.5

SHEET 1 OF 7

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RW 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.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:
DOOR PANEL DETAILS
AND GLAZING DETAIL

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
3	7/7/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
2	9/9/15	ADD OPAQUE DOOR & NEW SIZE	JK		
1	1/27/15	UPDATE TO 5TH ED. (2014)	FBC		

DATE: 6/8/11

SCALE: N.T.S.

DWG. BY: JK

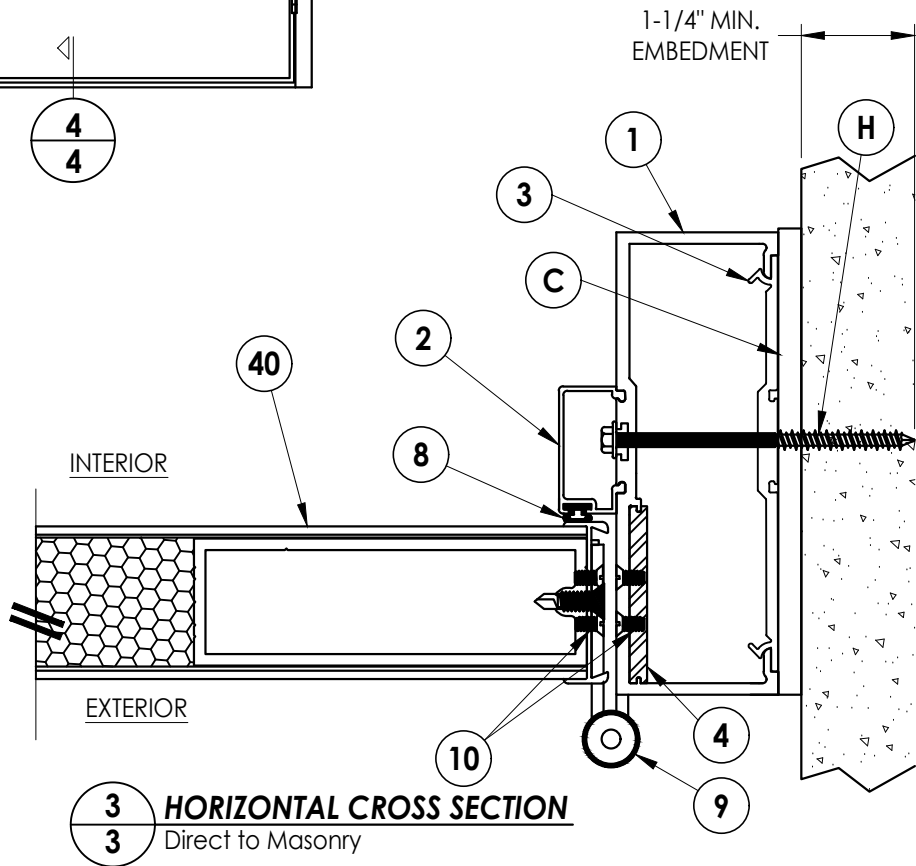
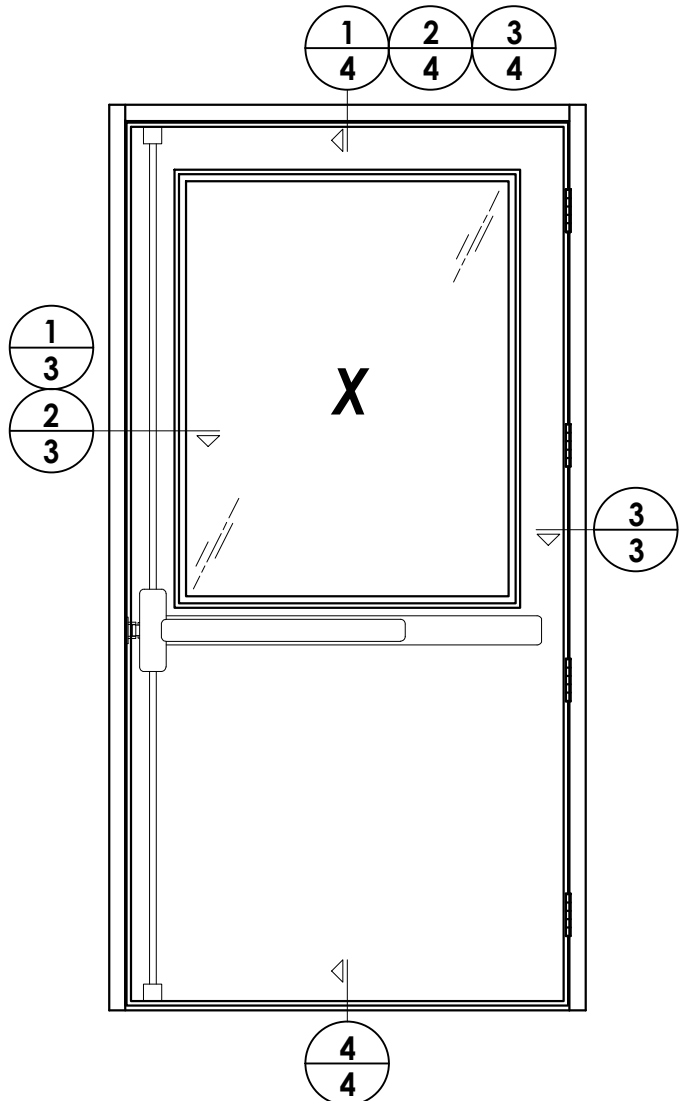
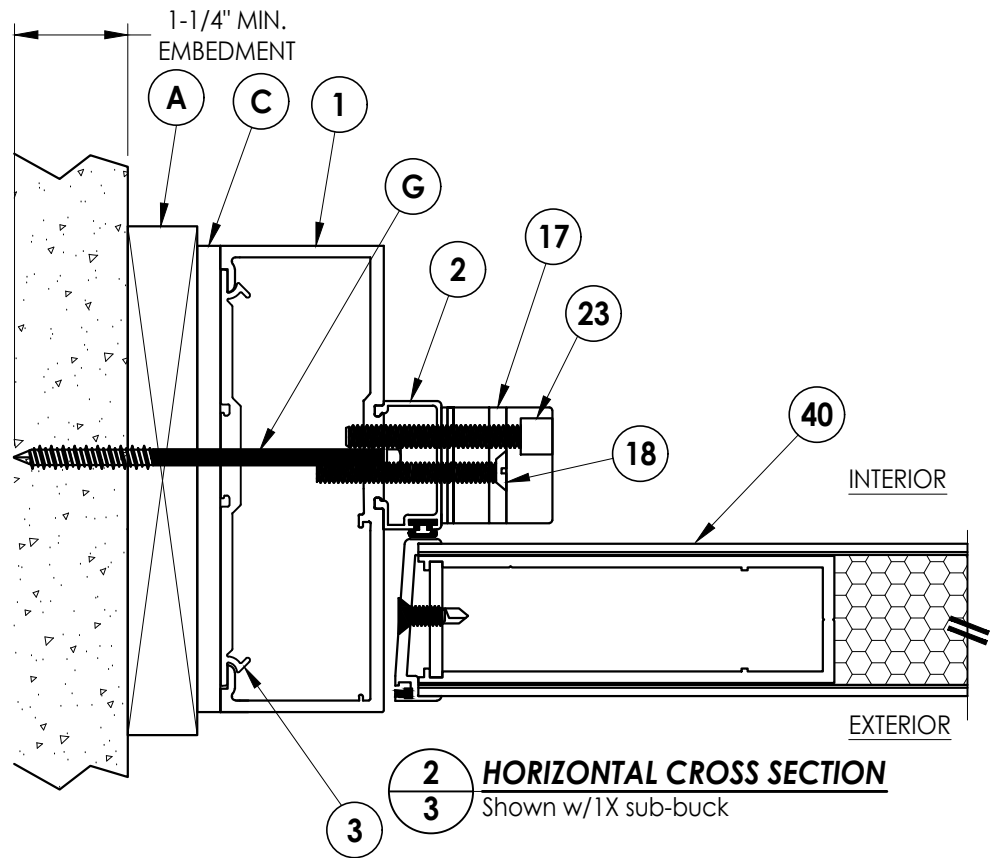
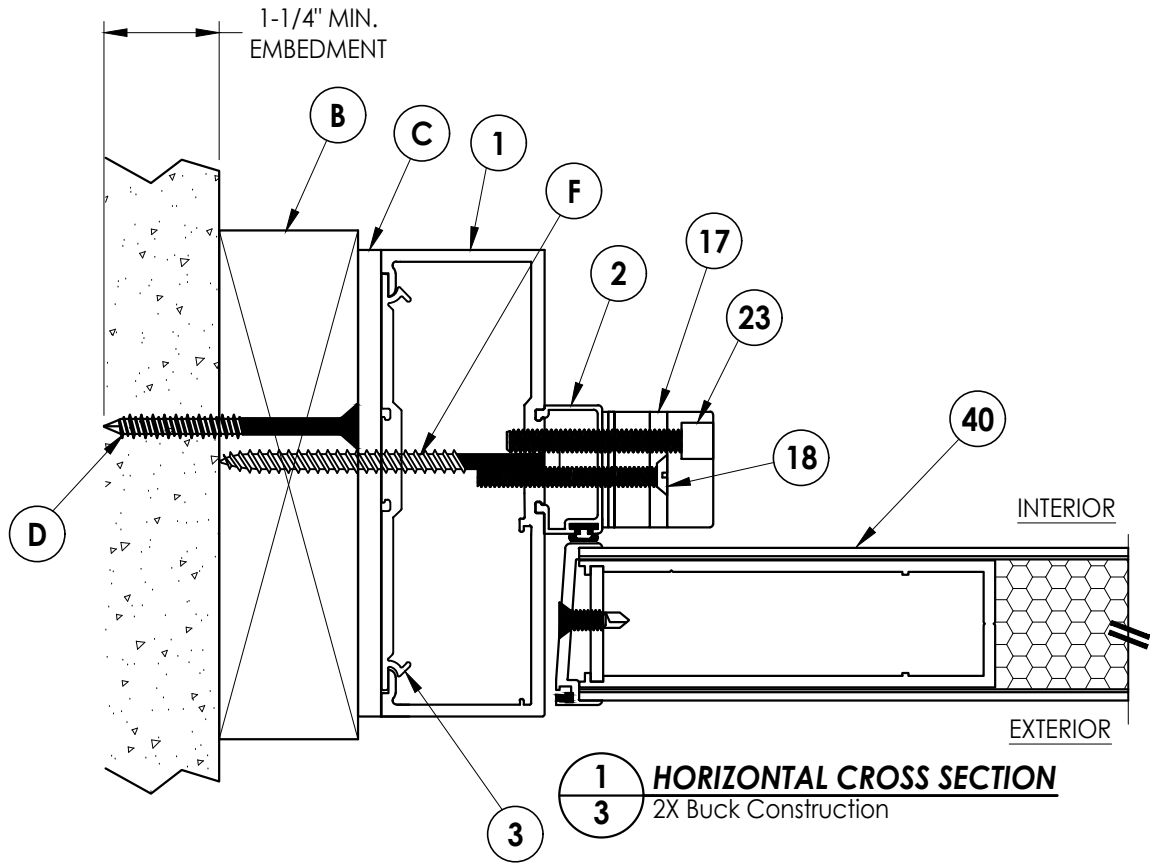
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DRAWING NO.:

FL-6336.5

SHEET 2 OF 7

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FBPE Registry No. 9813

PRODUCT: CLINE DOORS

PART OR ASSEMBLY:
HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/05/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	8/11/20	UPDATE TO 7TH ED. (2020) FBC DAC
3	7/7/17	UPDATE TO 6TH ED. (2017) FBC JK
2	9/9/15	ADD OPAQUE DOOR & NEW SIZE JK
1	1/27/15	UPDATE TO 5TH ED. (2014) FBC JK
NO.	DATE	BY

DATE: 9/5/13

SCALE: N.T.S.

DWG. BY: JK

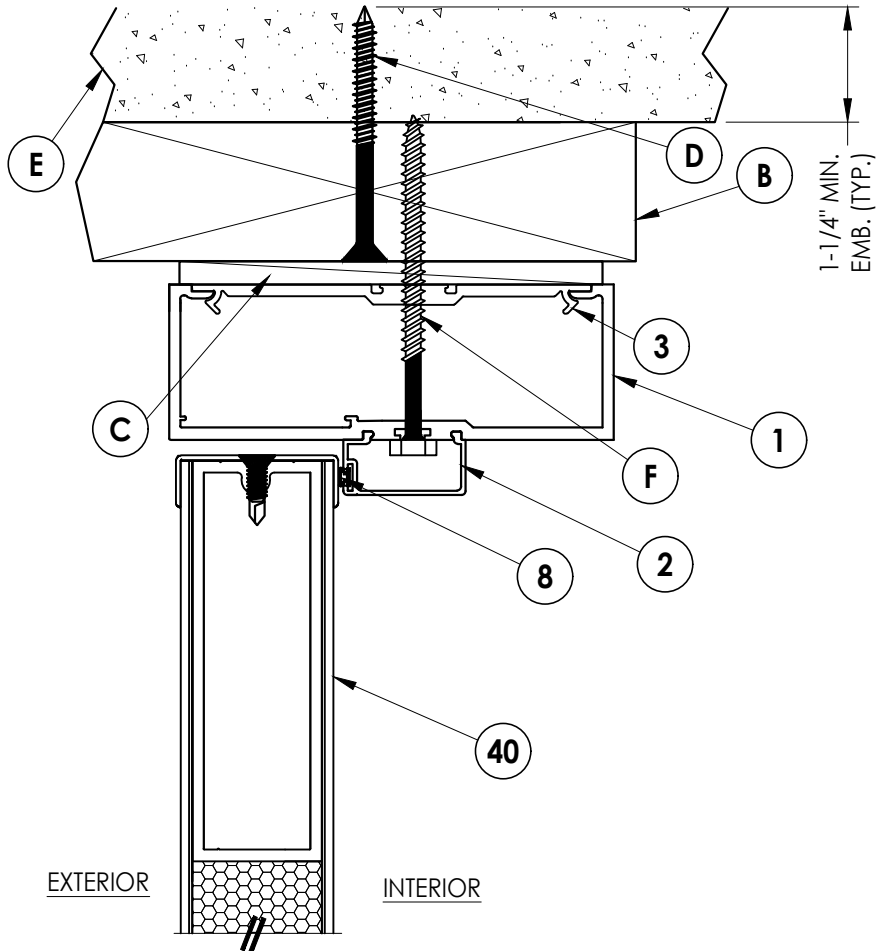
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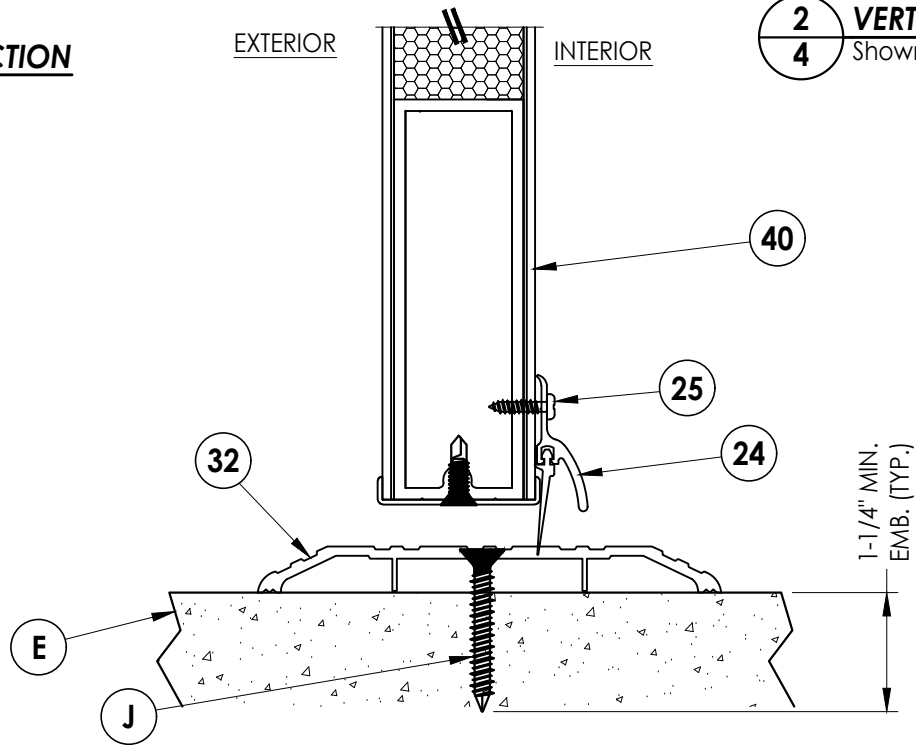
FL-6336.5

SHEET 3 OF 7

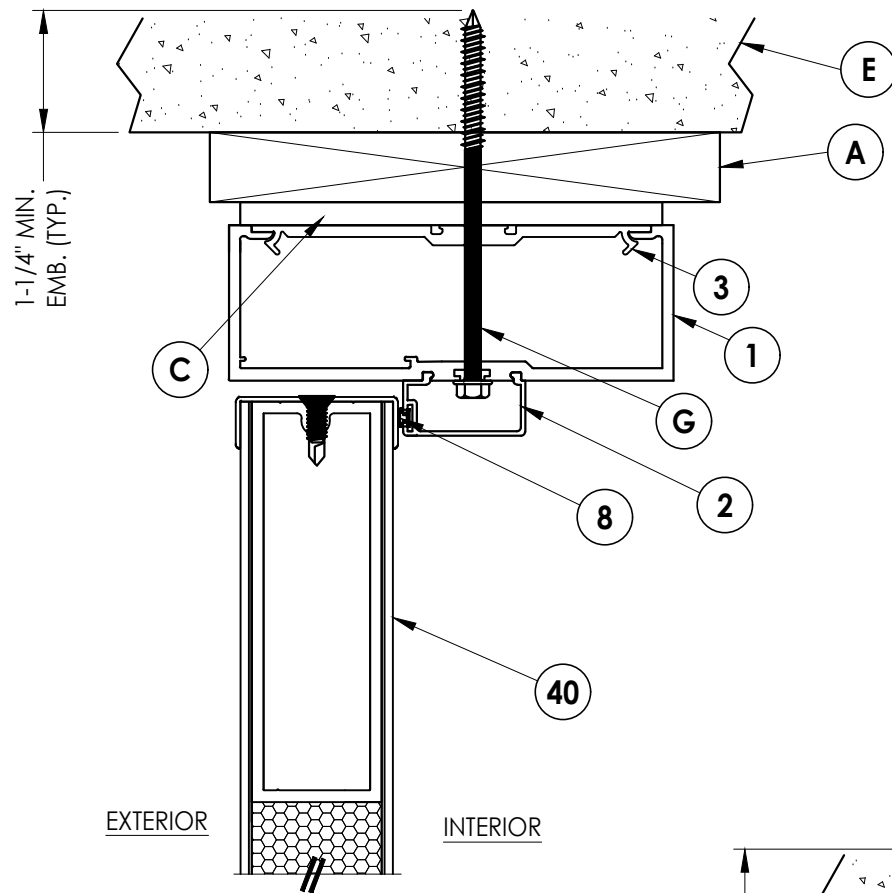
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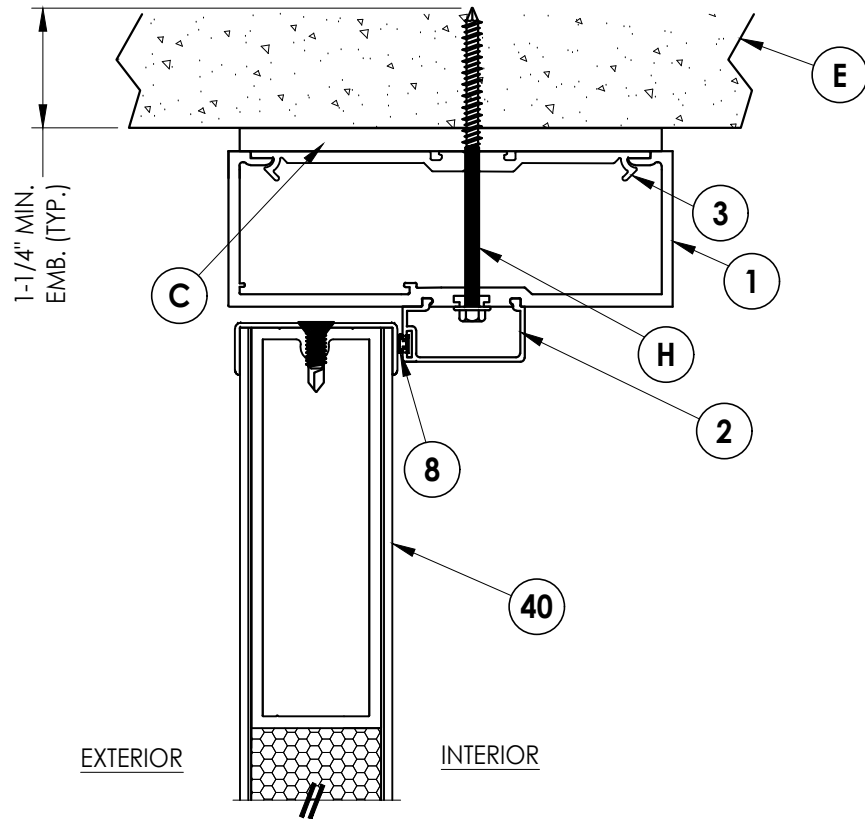
1
4 **VERTICAL CROSS SECTION**
2X Buck Construction



4
4 **VERTICAL CROSS SECTION**



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



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

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PRODUCT: CLINE DOORS

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS					
		DATE	BY	JK	JK	DAC	LFS
5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	JK	JK	DAC	LFS
4	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	JK	JK	DAC	LFS
3	7/7/17	UPDATE TO 6TH ED. (2017)	FBC	JK	JK	DAC	LFS
2	9/9/15	ADD OPAQUE DOOR & NEW SIZE	JK	JK	JK	DAC	LFS
1	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK	JK	DAC	LFS

DATE: 9/5/13

SCALE: N.T.S.

DWG. BY: JK

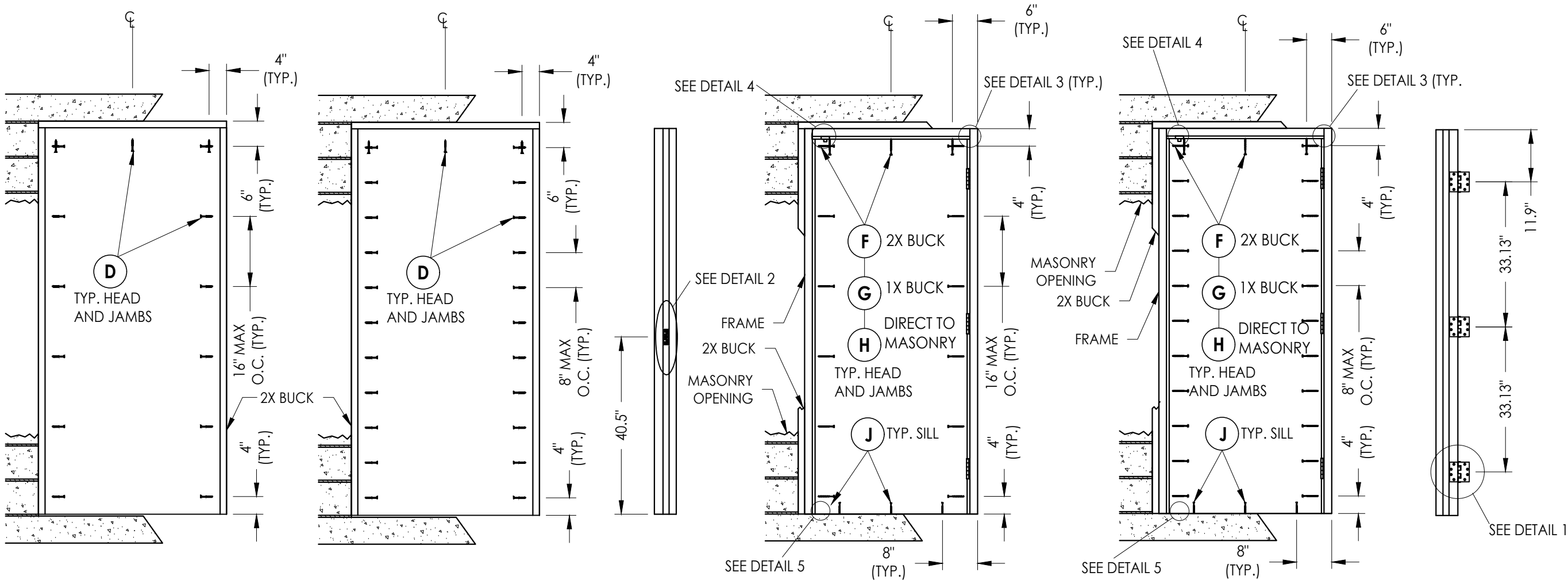
CHK. BY: LFS

DRAWING NO.:

FL-6336.5

SHEET 4 OF 7

Z:\2023 FBC Drawings\Cline Aluminum Doors\FL-6336 R9\FL-6336.5-8.dwg



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

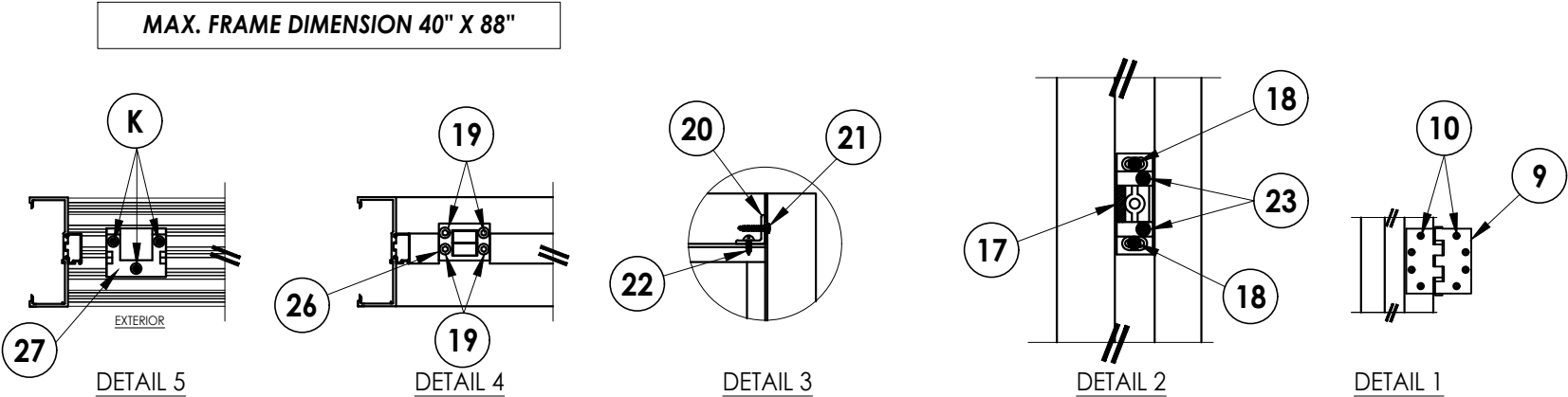
CONCRETE ANCHOR NOTES:

- 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.



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CLINE DOORS

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

NO.	DATE	REVISIONS			
		BY	JK	FBC	JK
5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	8/11/20	UPDATE TO 7TH ED. (2020)	FBC	DAC	
3	7/7/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
2	9/9/15	ADD OPAQUE DOOR & NEW SIZE	JK		
1	1/27/15	UPDATE TO 5TH ED. (2014)	FBC	JK	

DATE: 9/5/13

SCALE: N.T.S.

DWG. BY: JK

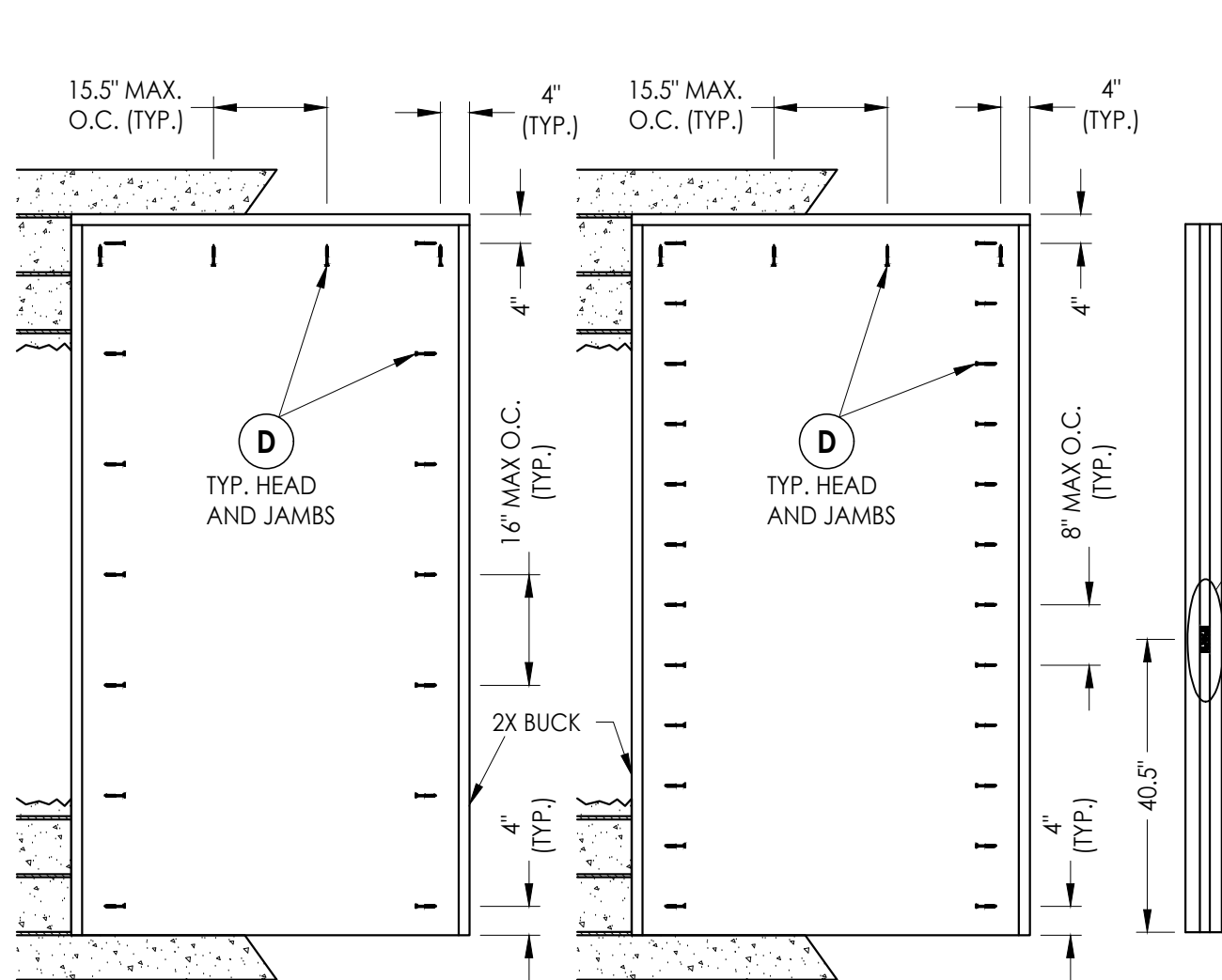
CHK. BY: LFS

DRAWING NO.:

FL-6336.5

SHEET 5 OF 7

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BUCK ANCHORING

Max. D.P. $\leq$ 50 PSF

BUCK ANCHORING

Max. D.P. <= 80 PSF

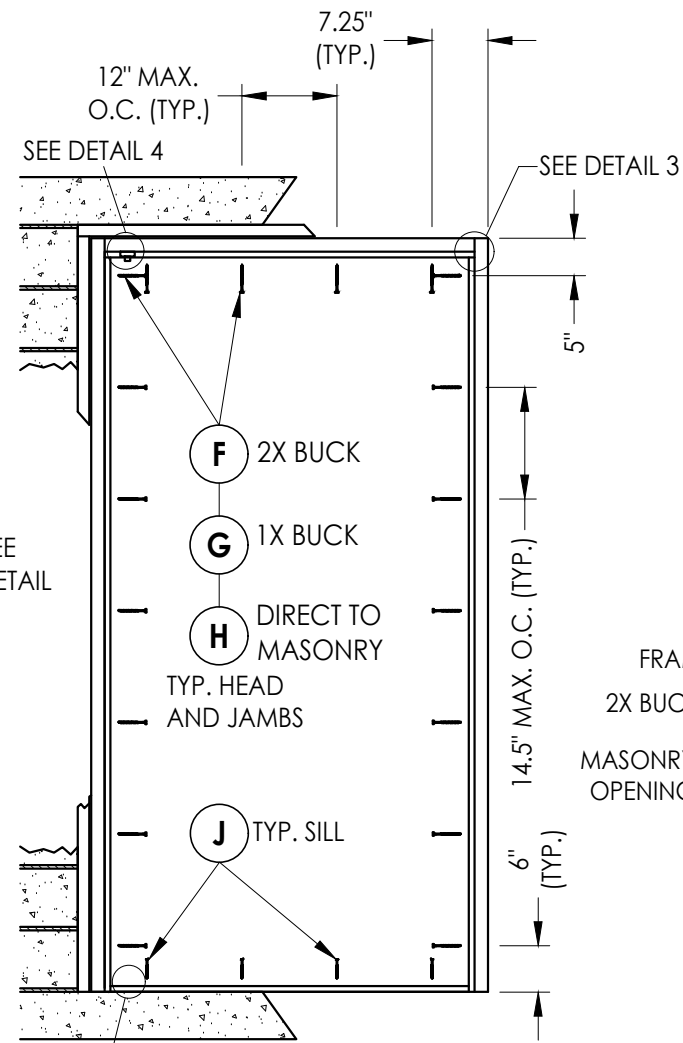
CONCRETE ANCHOR NOTES:

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 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:

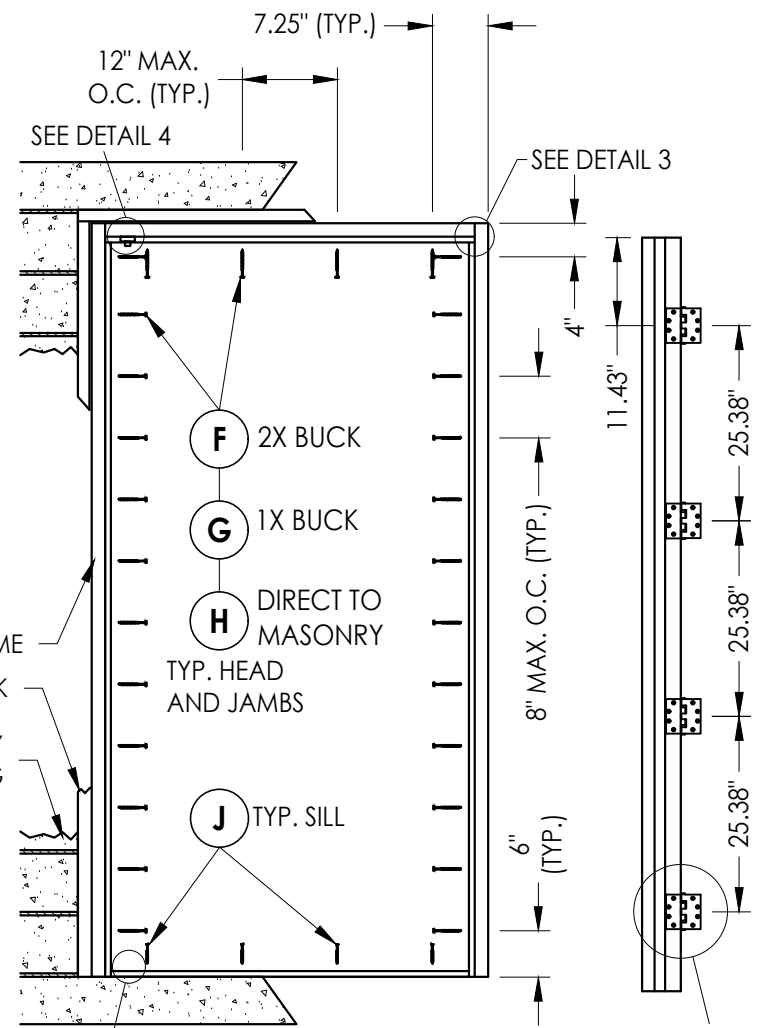
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



LATCH JAMB

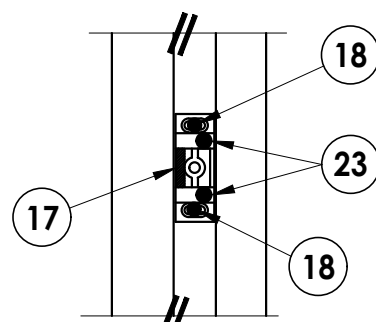
SEE DETAIL 5

FRAME ANCHORING

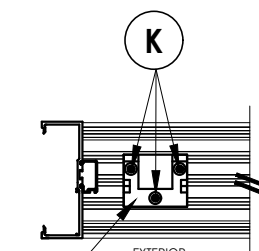
Max. D.P. ≤ 50 PSF

HINGE JAMB

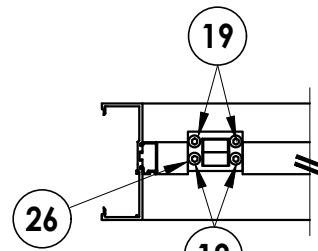
HINGE JAMB



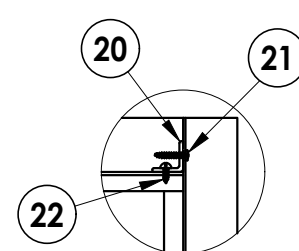
DETAIL 2



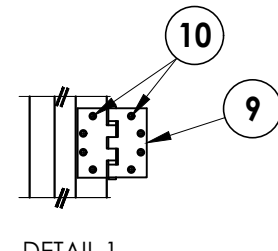
DETAIL 5



DETAIL 4



DETAIL 3



DETAIL 1

MAX. FRAME DIMENSION 51.5" X 98.0"

	5	7/05/23	UPDATE TO 8TH ED. (2023)	FBC LFS
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	3	7/7/17	UPDATE TO 6TH ED. (2017)	FBC JK
	2	9/9/15	ADD OPAQUE DOOR & NEW SIZE	JK JK
	1	1/27/15	UPDATE TO 5TH ED. (2014)	FBC JK
	NO.	DATE	REVISIONS	
				BY

DATE: 9/5/13

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: *LFS*

DRAWING NO.:

FL-6336.5

SHEET 6 OF 7

Documents Prepared By:
Lyndon F. Schmidt
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CLINE DOORS

PART OR ASSEMBLY:

BUCK AND FRAME ANCHORING

RW

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