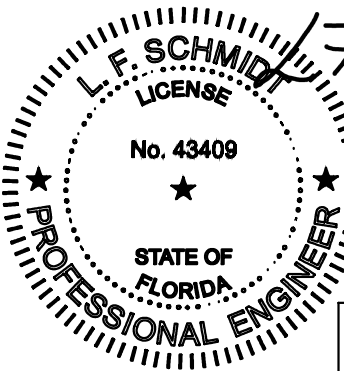


COMPOSITE DOOR JAMB



Digitally signed by
Lyndon F Schmidt
Date: 2024.02.28
14:21:40 -05'00'

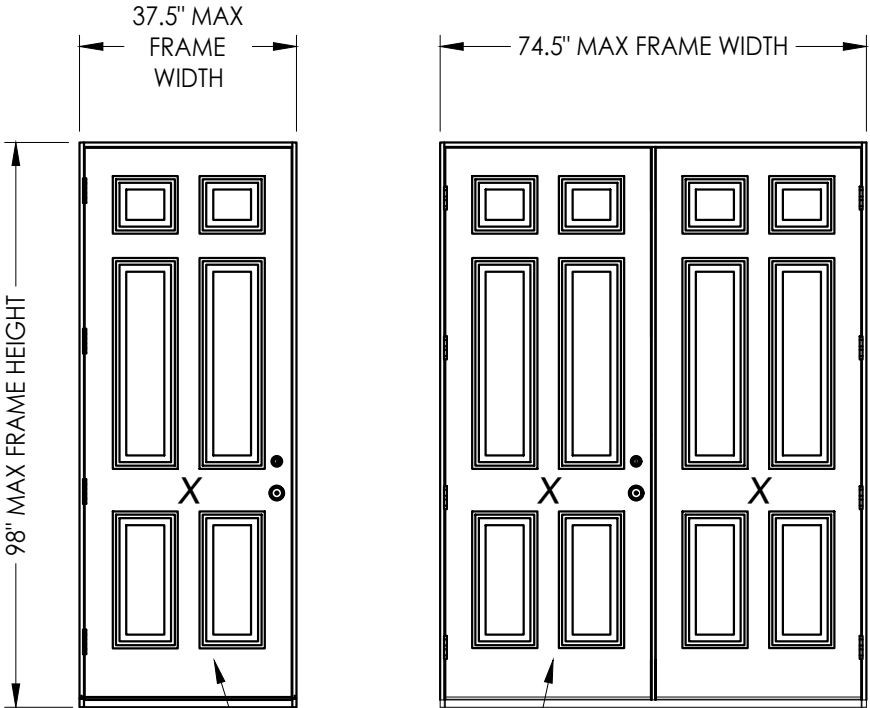
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

COMPOSITE DOOR JAMB
INSWING / 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 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 FBC and does not require an impact resistant covering.
- 4. This "IMPACT" door jamb, as a component, is to be used as a substitute to a similar door jamb in an impact approval (complies with Section 1626 of the FBC) door system possessing a current Florida Statewide Product Approval (Including the "HVHZ").
- 5. The design pressure of the assembly shall be the lesser of the design pressure for the door jamb shown in this approval or the design pressure of the door assembly used in conjunction with this approval.
- 6. The maximum frame size of the door assembly shall be lesser of the maximum frame size stated in this approval or the maximum frame size of door assembly approval used in conjunction with this approval.
- 7. Refer to the separate Florida Product Approval for the swing door used in conjunction with this component approval to determine the ability of the system to meet the water infiltration requirements for the "HVHZ".
- 8. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.



SWING DOOR
UNDER SEPARATE
APPROVAL

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

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 98.0"	+65.0	-65.0	+65.0	-65.0
XX	74.5" x 98.0"	+55.0	-55.0	+55.0	-55.0

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

VI-LUX COMPONENTS

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

REVISIONS

NO.	DATE	DESCRIPTION
3	2/28/24	UPDATE TO 8TH ED. (2023) FBC
2	8/13/20	UPDATE TO 7TH ED. (2020) FBC
1	7/13/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 7/21/16

SCALE: N.T.S.

DWG. BY: JK

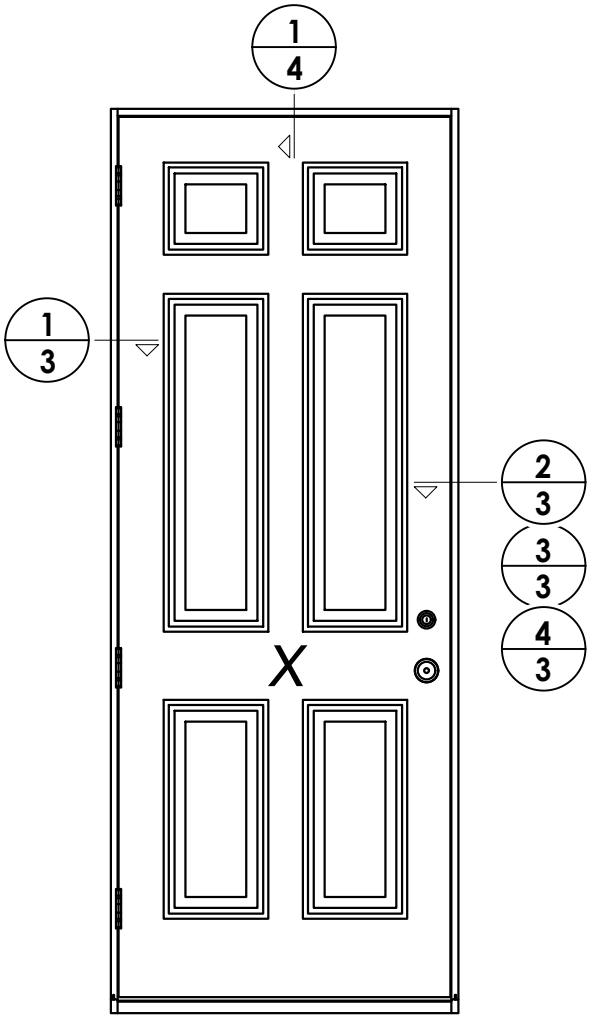
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DRAWING NO.: FL-20868.1

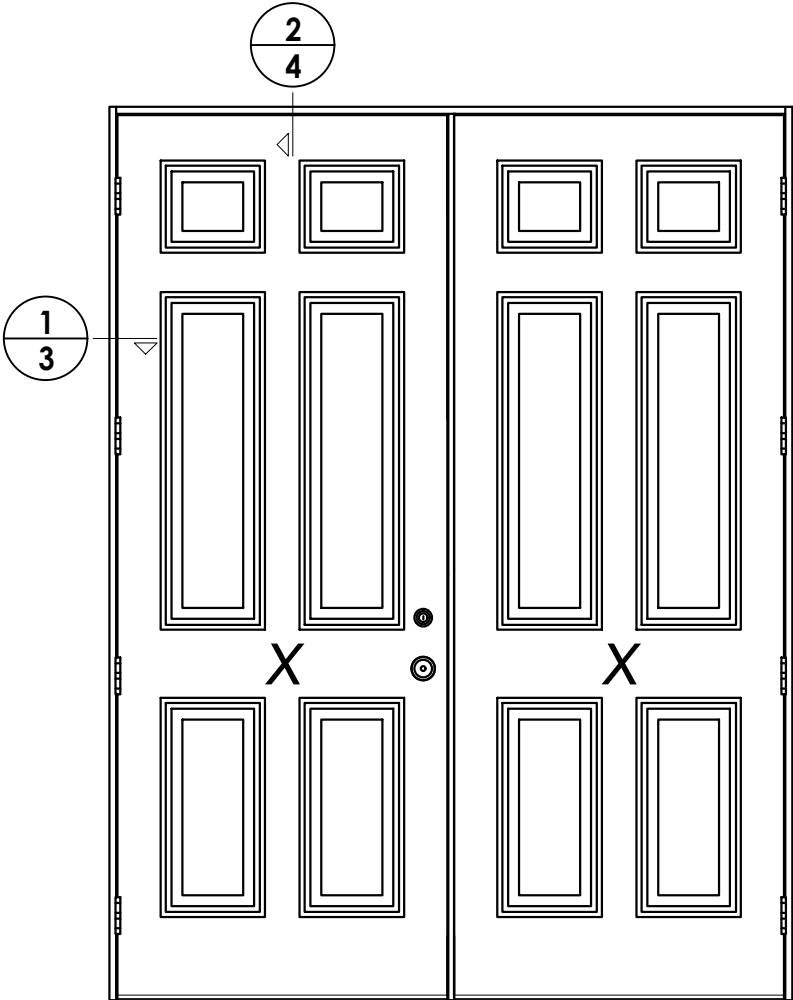
SHEET 1 OF 7

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

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SINGLE DOOR ELEVATION

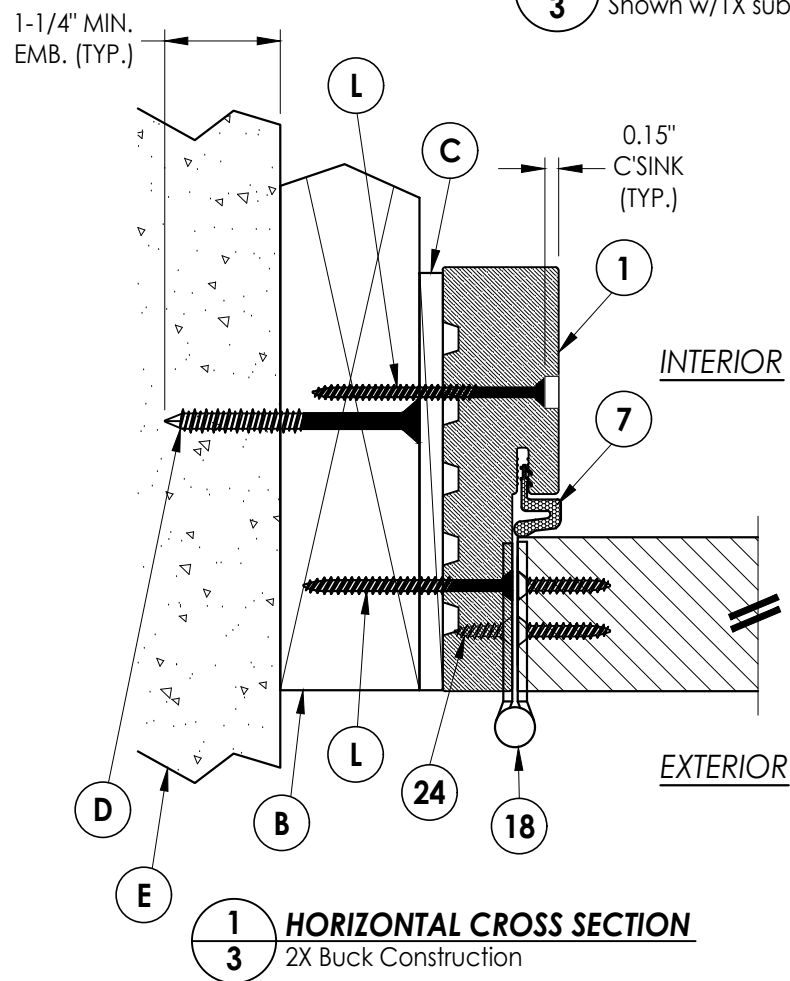


DOUBLE DOOR ELEVATION

DATE: 7/21/16		REVISIONS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20868.1			
SHEET 2	OF 7		
3	2/28/24	UPDATE TO 8TH ED. (2023)	FBC LFS
2	8/13/20	UPDATE TO 7TH ED. (2020)	FBC LFS
1	7/13/17	UPDATE TO 6TH ED. (2017)	FBC LFS
NO	DATE		BY

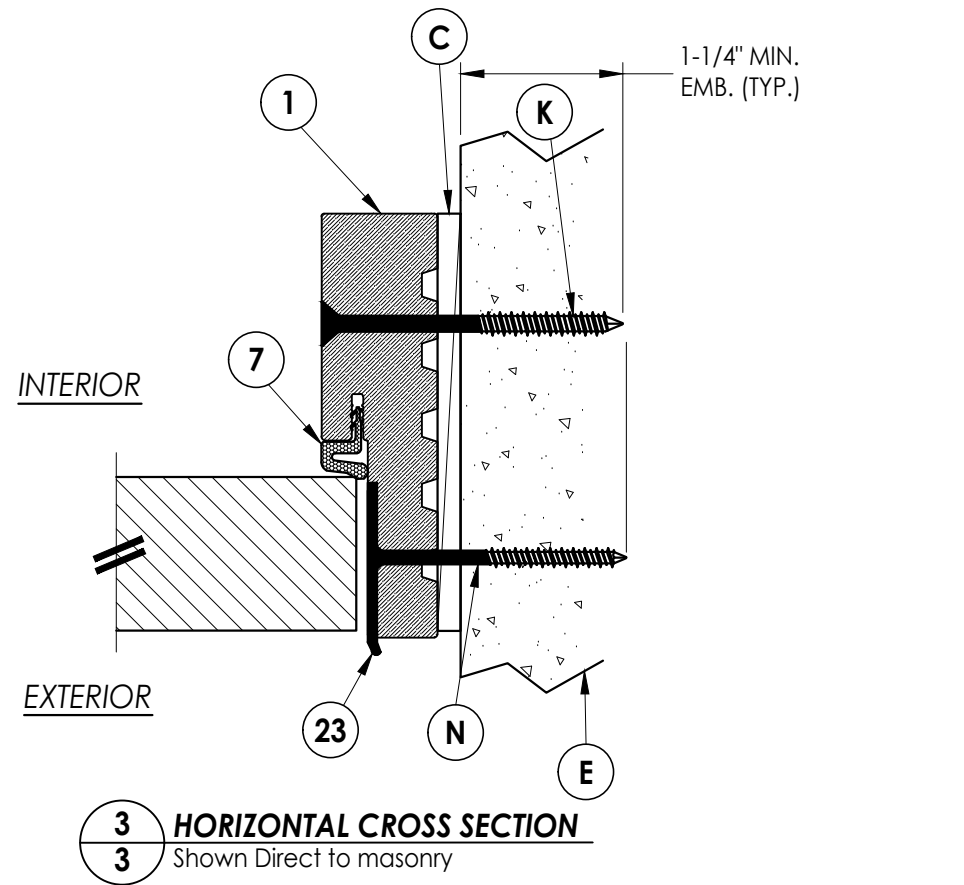
PRODUCT:	VI-LUX COMPONENTS
	PART OR ASSEMBLY: ELEVATIONS

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
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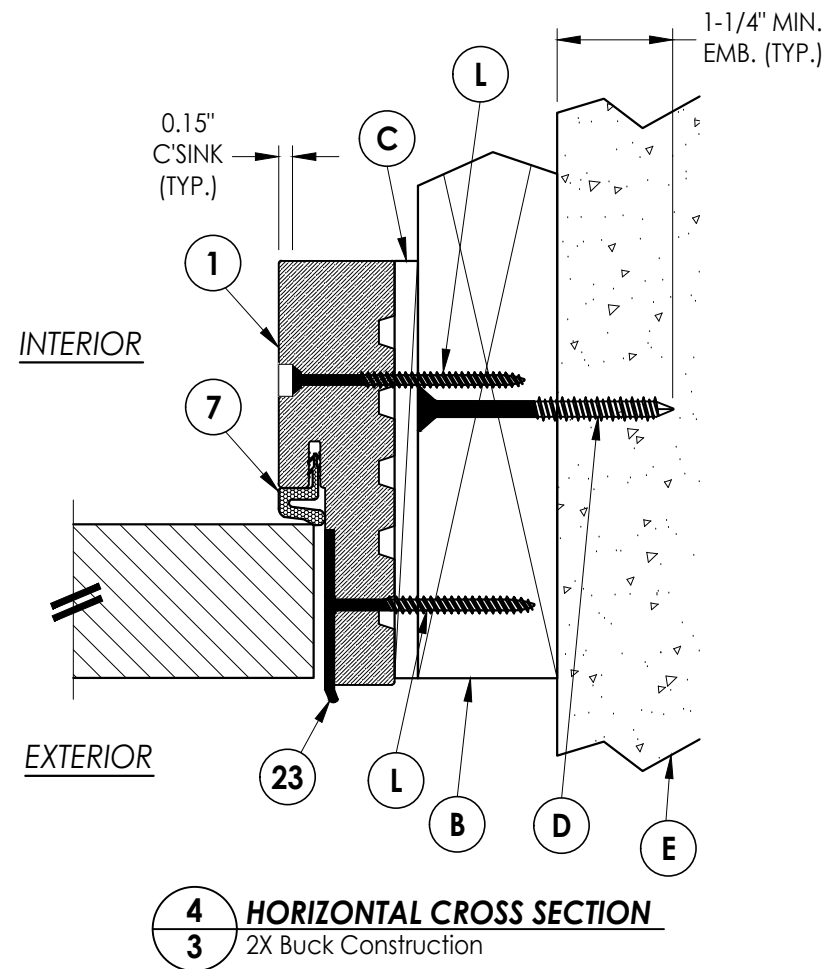


2 HORIZONTAL CROSS SECTION
3 Shown w/1X sub-buck

Note:
See separate Side-hinged door
Product Approval for door construction details
not shown, including lock hardware, astragal, hinge
and threshold connections.



3 HORIZONTAL CROSS SECTION
3 Shown Direct to masonry

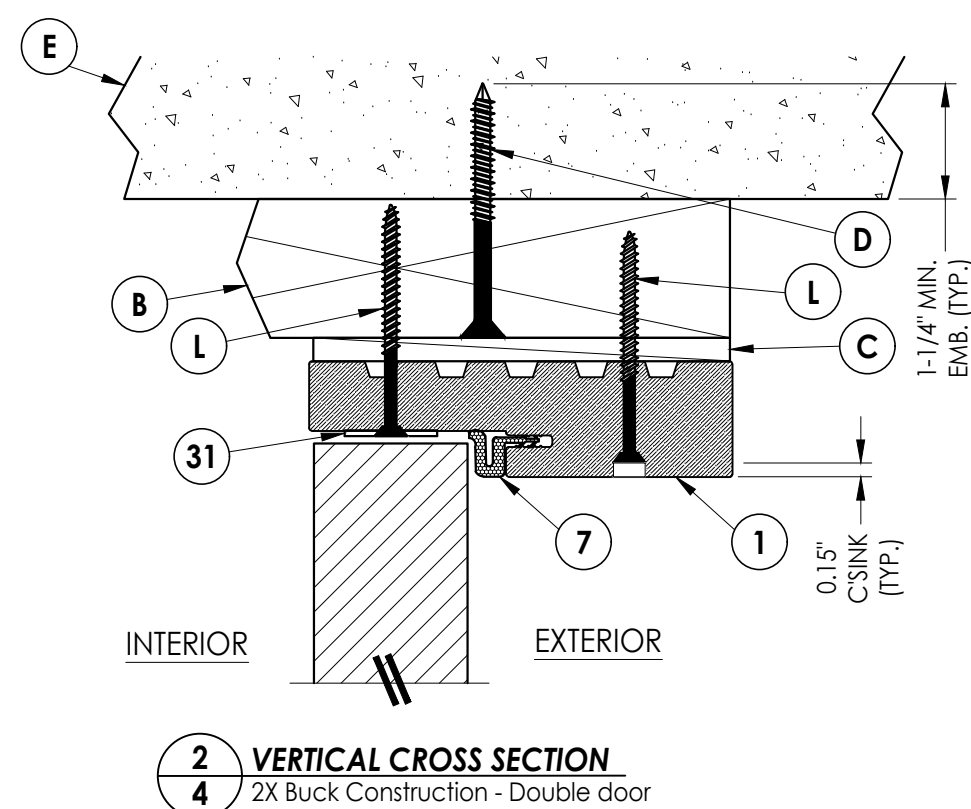


4 HORIZONTAL CROSS SECTION

3 2X Buck Construction

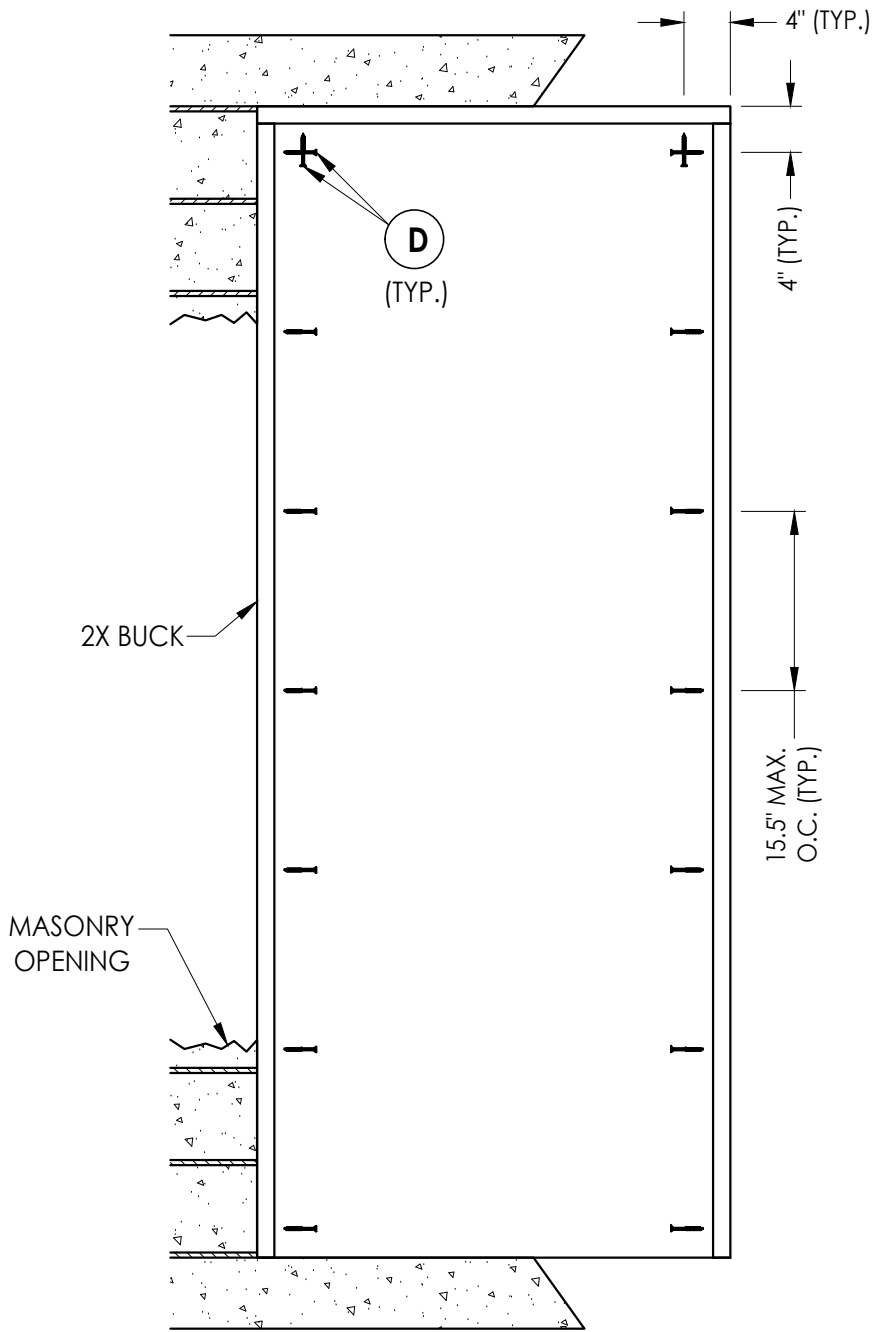
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Note:
See separate Side-hinged door
Product Approval for door construction details
not shown, including lock hardware, astragal, hinge
and threshold connections.

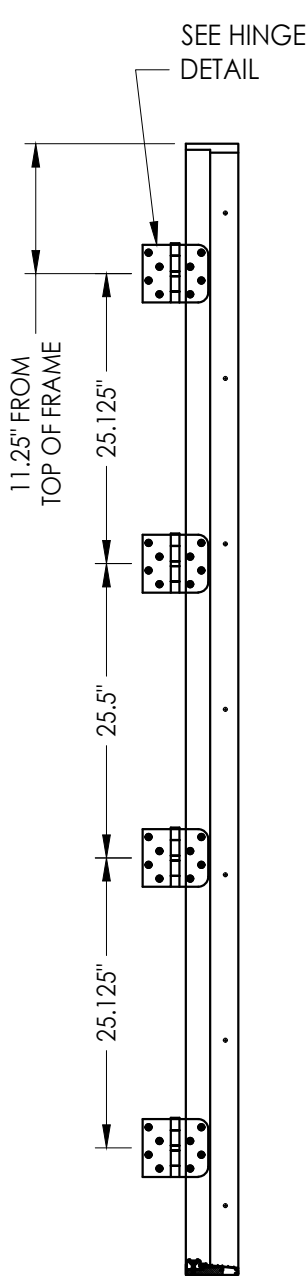


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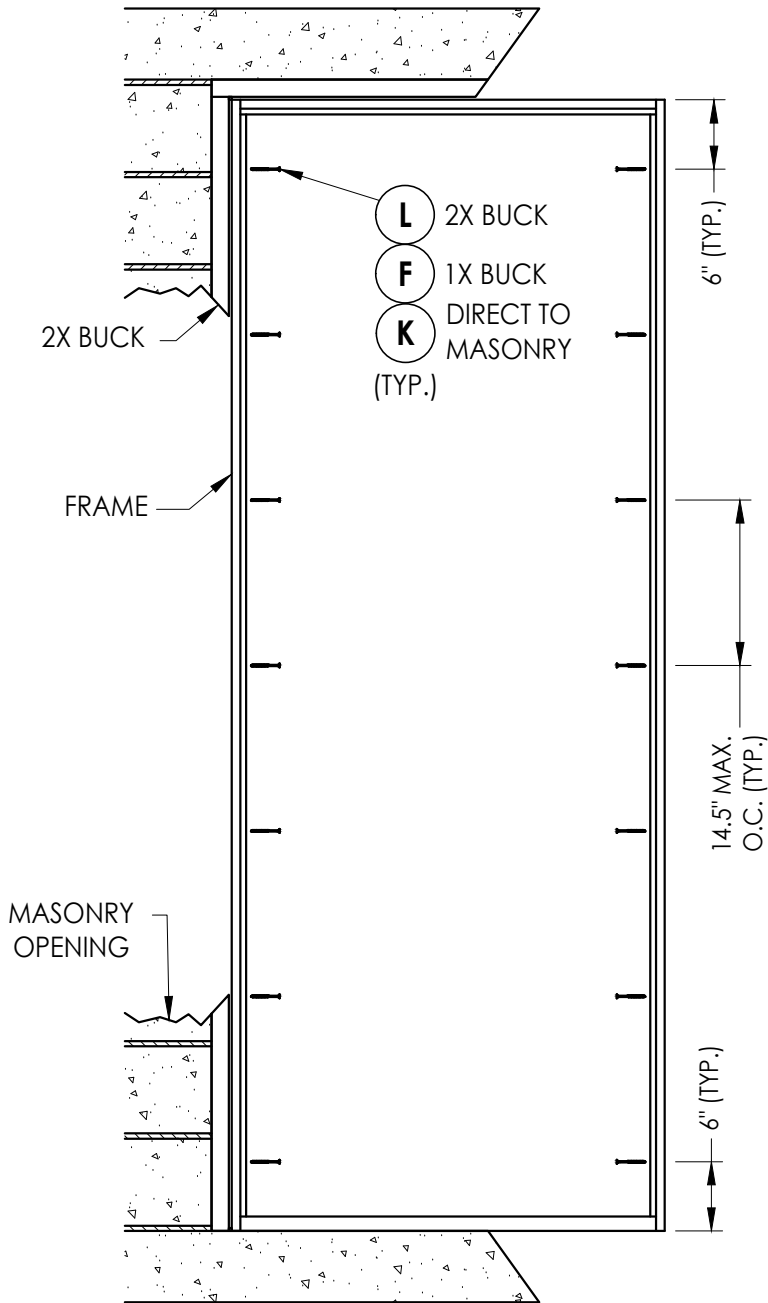
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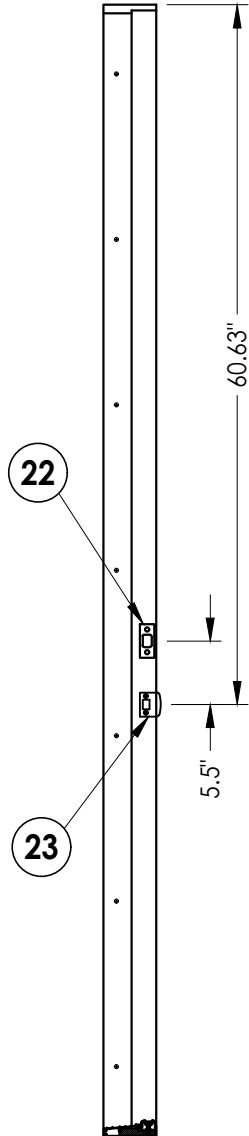
BUCK ANCHORING



HINGE JAMB



FRAME ANCHORING
Masonry construction



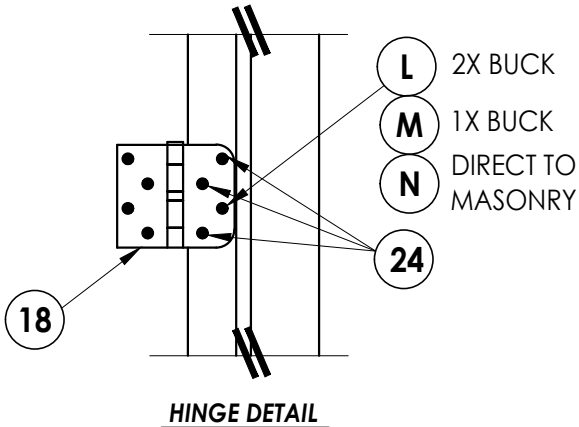
STRIKE JAMB

CONCRETE ANCHOR NOTES:

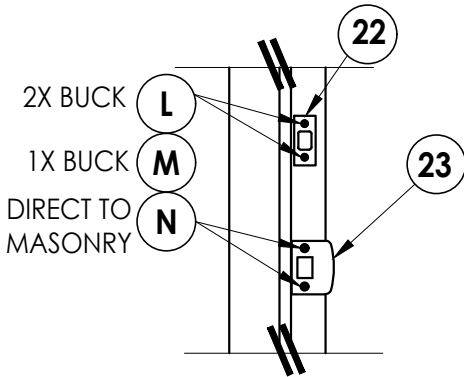
- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON 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 TAPCON®	3/16"	1-1/4"	3"	1-1/2"
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

Note:
See separate Side-hinged door Product Approval for door construction details not shown, including lock hardware, astragal, hinge and threshold connections.



HINGE DETAIL



STRIKE PLATE DETAIL

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:
Vi-LUX
COMPONENTS

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

NO.	DATE	REVISIONS
3	2/28/24	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/13/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	7/13/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 7/21/16

SCALE: N.T.S.

DWG. BY: JK

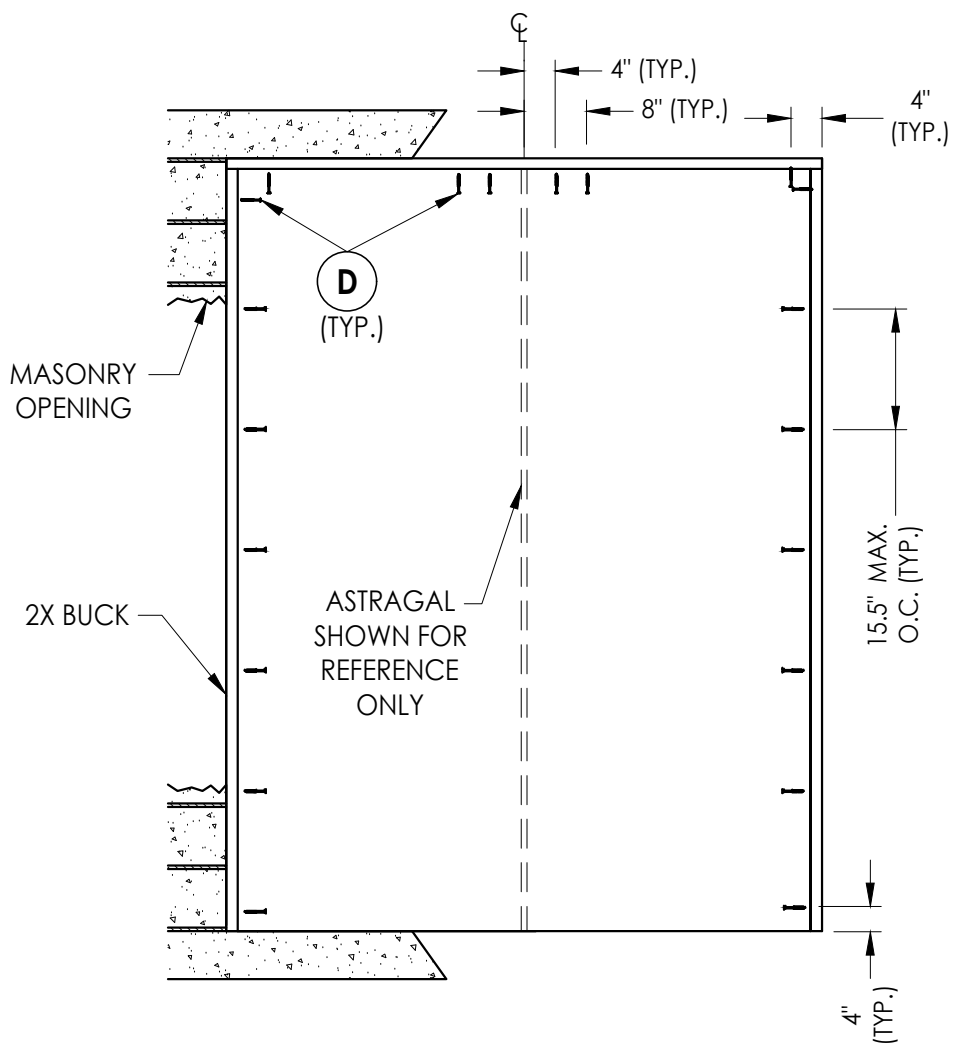
CHK. BY: LFS

DRAWING NO.:

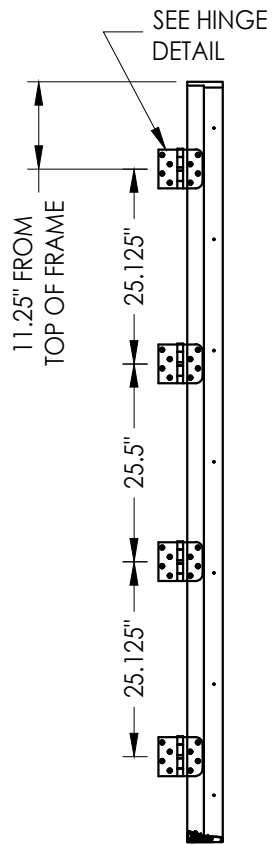
FL-20868.1

SHEET 5 OF 7

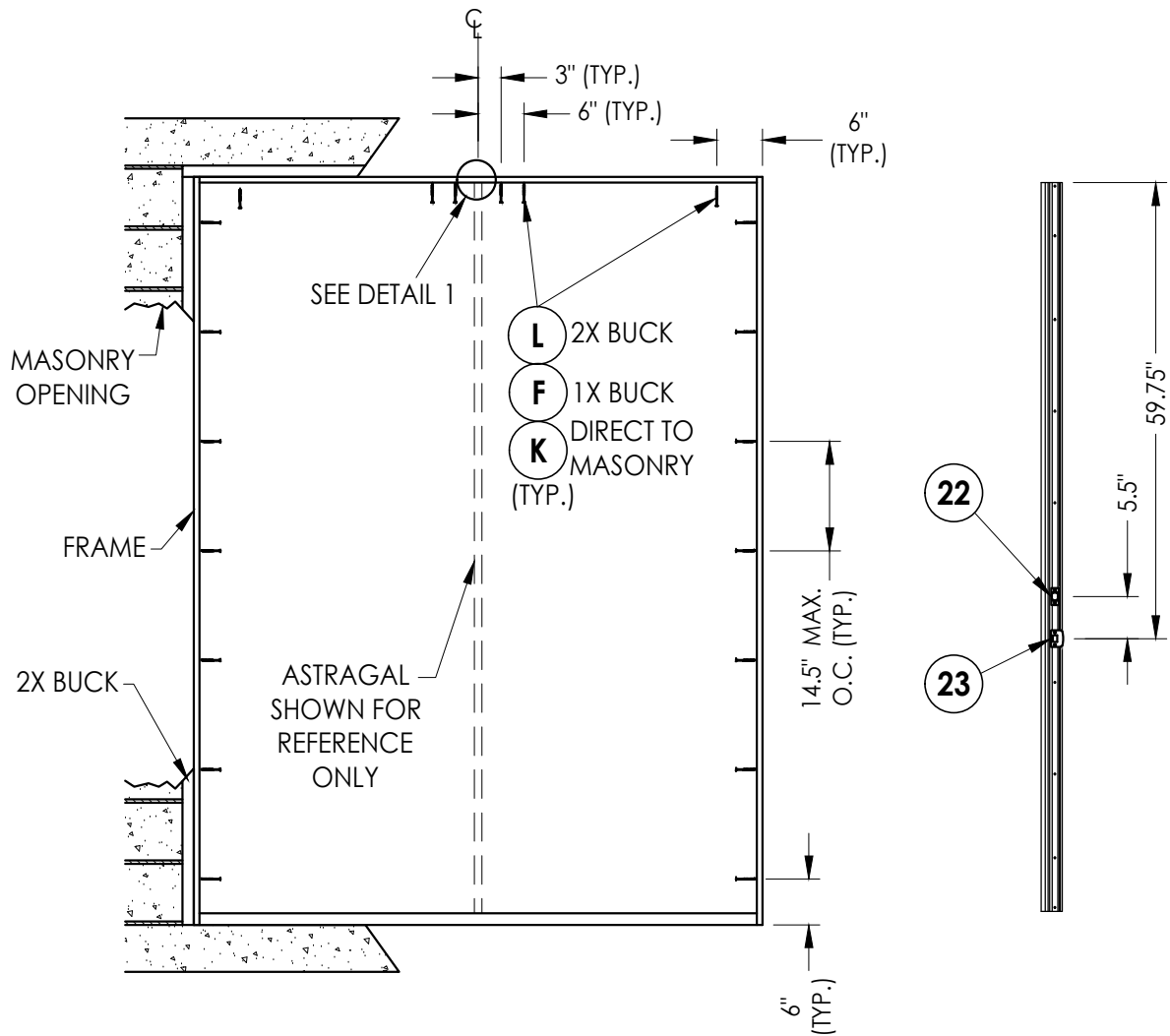
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BUCK ANCHORING



HINGE JAMB



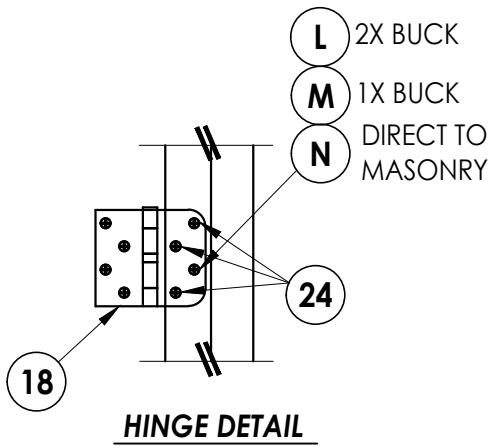
FRAME ANCHORING
Masonry construction

ASTRAGAL

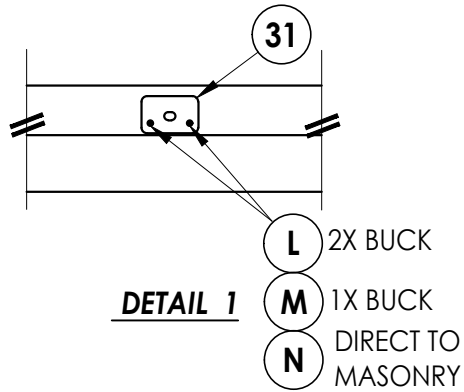
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HINGE DETAIL



DETAIL 1

Note:
See separate Side-hinged door Product Approval for door construction details not shown, including lock hardware, astragal, hinge and threshold connections.

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:
VI-LUX
COMPONENTS

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

NO.	DATE	REVISIONS
3	2/28/24	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/13/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	7/13/17	UPDATE TO 6TH ED. (2017) FBC LFS

DATE: 7/21/16

SCALE: N.T.S.

DWG. BY: JK

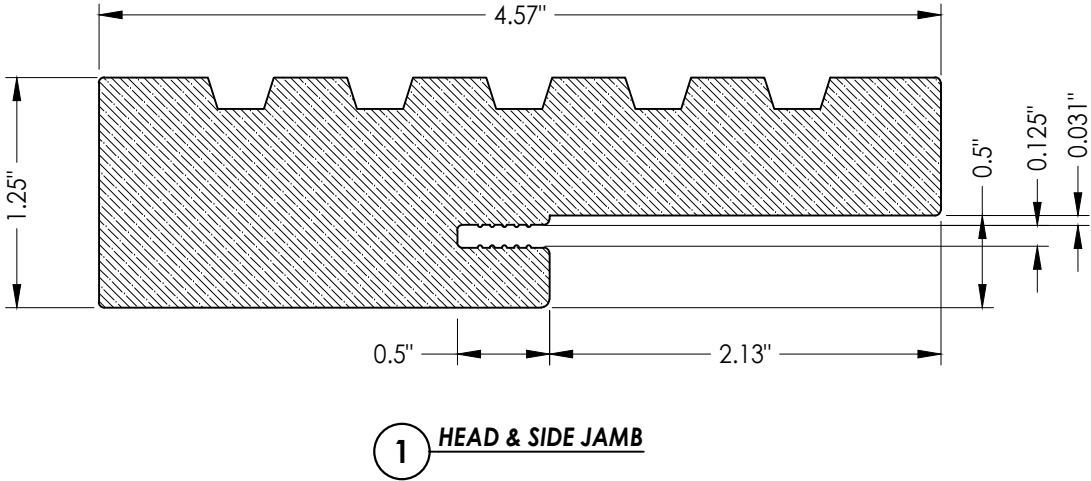
CHK. BY: LFS

DRAWING NO.: FL-20868.1

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 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
K	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
M	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" PFH TW CONCRETE SCREW	STEEL
1	HEAD AND JAMB	COMPOSITE
7	WEATHERSTRIP (Q-LON)	FOAM
18	4" X 4" HINGE	STEEL
22	DEADBOLT STRIKE PLATE	STEEL
23	LATCH STRIKE PLATE	STEEL
24	#10 X 3/4" PFH SMS	STEEL
31	ASTRAGAL STRIKE PLATE	STEEL



DATE: 7/21/16	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-20868.1	
SHEET 7 OF 7	

PRODUCT:	VI-LUX COMPONENTS
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS

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
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