



15759 Tapia St.  
Irwindale, CA 91706

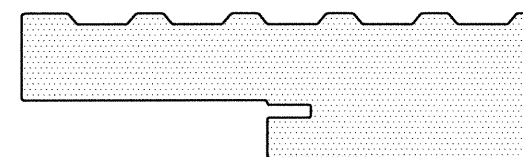
## Sure Jamb

### COMPOSITE DOOR JAMB IN SWING / OUT SWING "IMPACT"

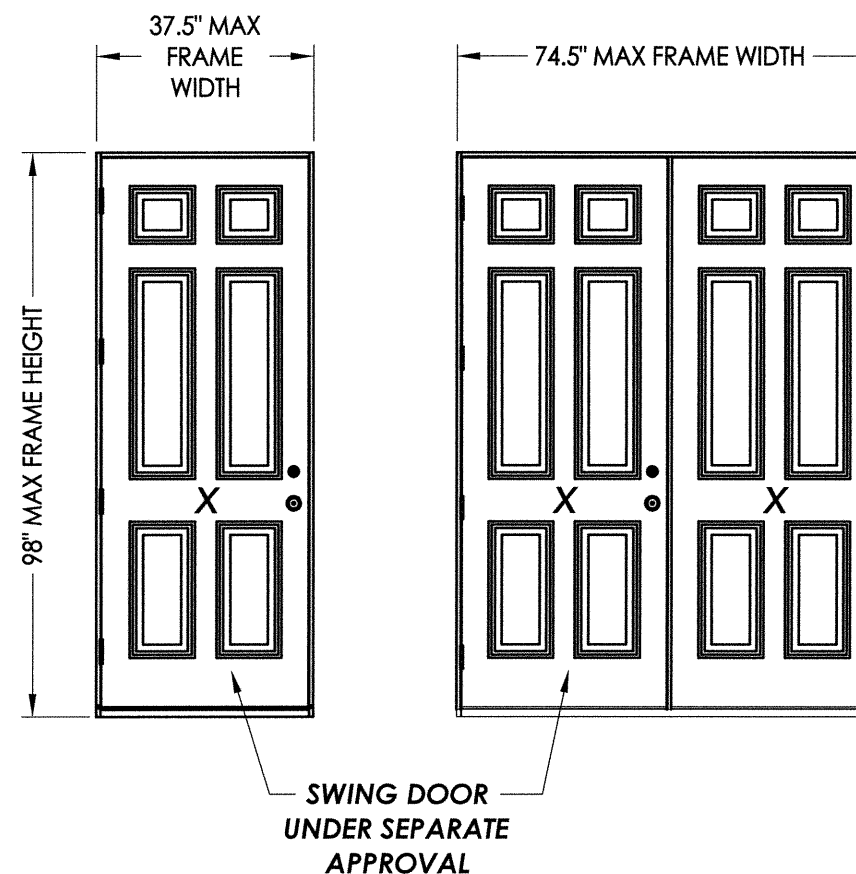
#### GENERAL NOTES

1. This product has been evaluated and is in compliance with the 5th Edition (2014) 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 Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Section 1609.1.2.2.
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 1609.1.2 of the FBC) door system possessing a current Florida Statewide Product Approval.
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. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

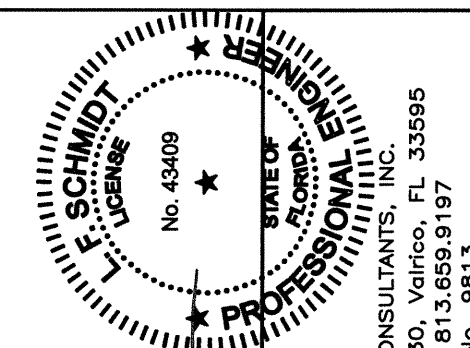
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1	Typical elevations, design pressures & general notes
2	Elevations
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring
6	Buck and frame anchoring
7	Bill of materials and components



Sure Jamb



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 98.0"	+60.0	-65.0	+60.0	-60.0
XX	74.5" x 98.0"	+40.0	-45.0	+50.0	-50.0



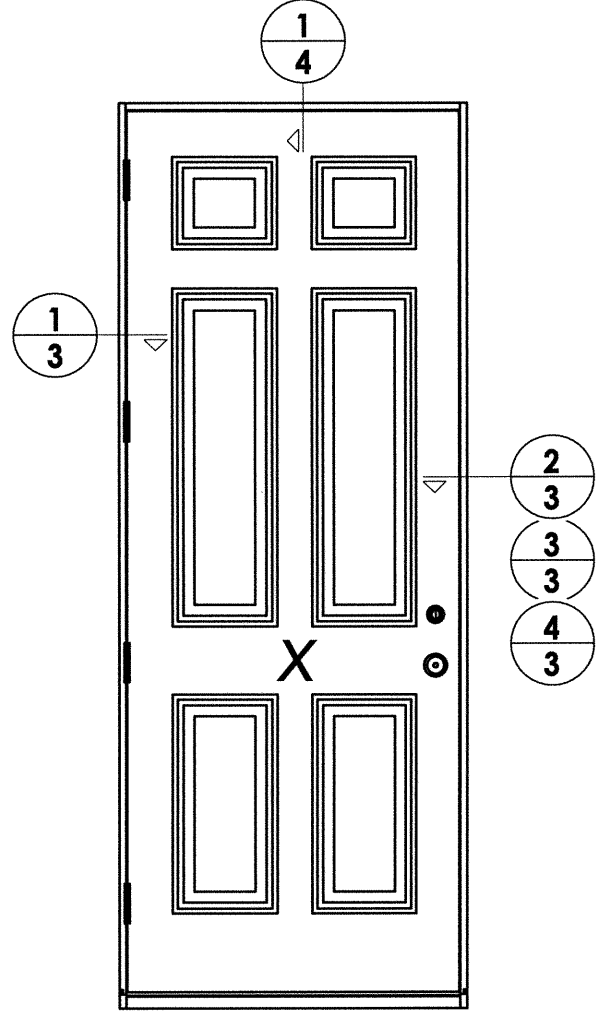
678  
8-27-15  
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Vairico, FL 33595  
Phone No.: 813.659.9197  
FBPE C.A. No. 9813

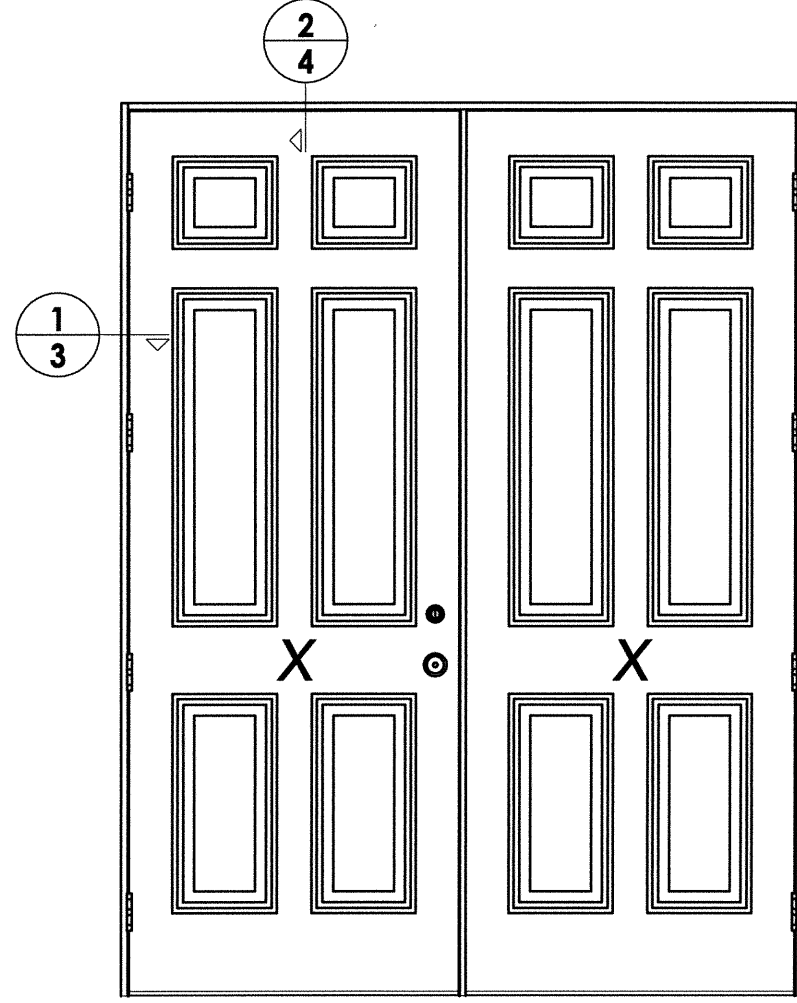
PRODUCT: HM SURE ROCK  
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	BY	REVISIONS

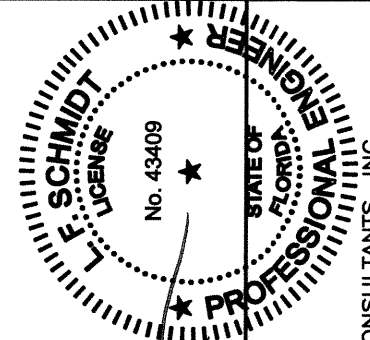
DATE: 08/04/15  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-18385.1  
SHEET 1 OF 7



SINGLE DOOR ELEVATION



DOUBLE DOOR ELEVATION



*LFS*  
8-27-15

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FBPE C.A. No. 9813

PRODUCT: HM SURE ROCK

PART OR ASSEMBLY: ELEVATIONS

NO.	DATE	REVISIONS	BY

DATE: 08/04/15

SCALE: N.T.S.

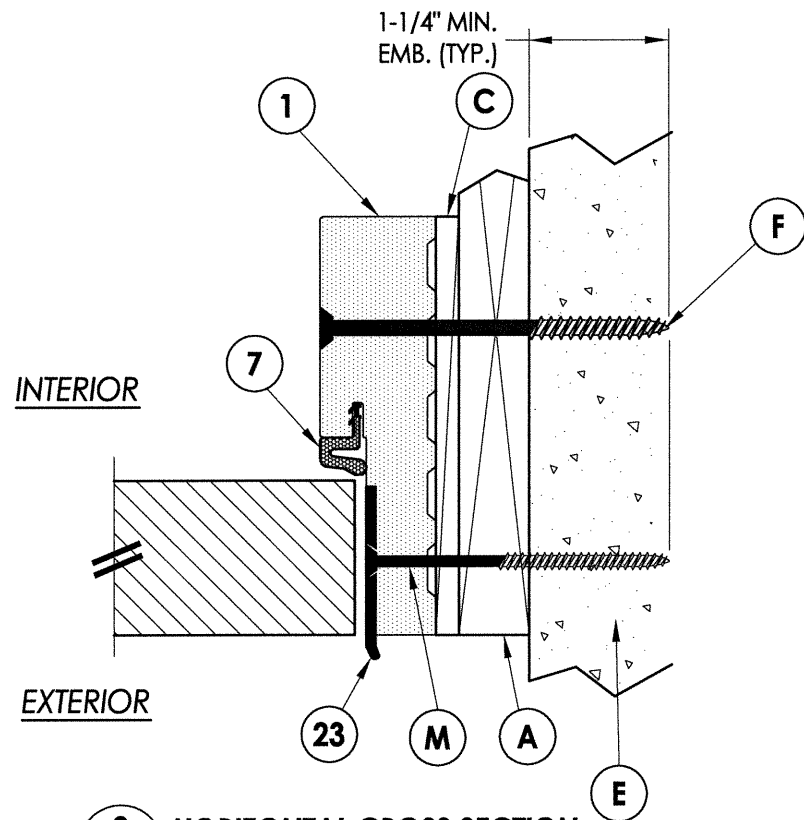
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CHK. BY: LFS

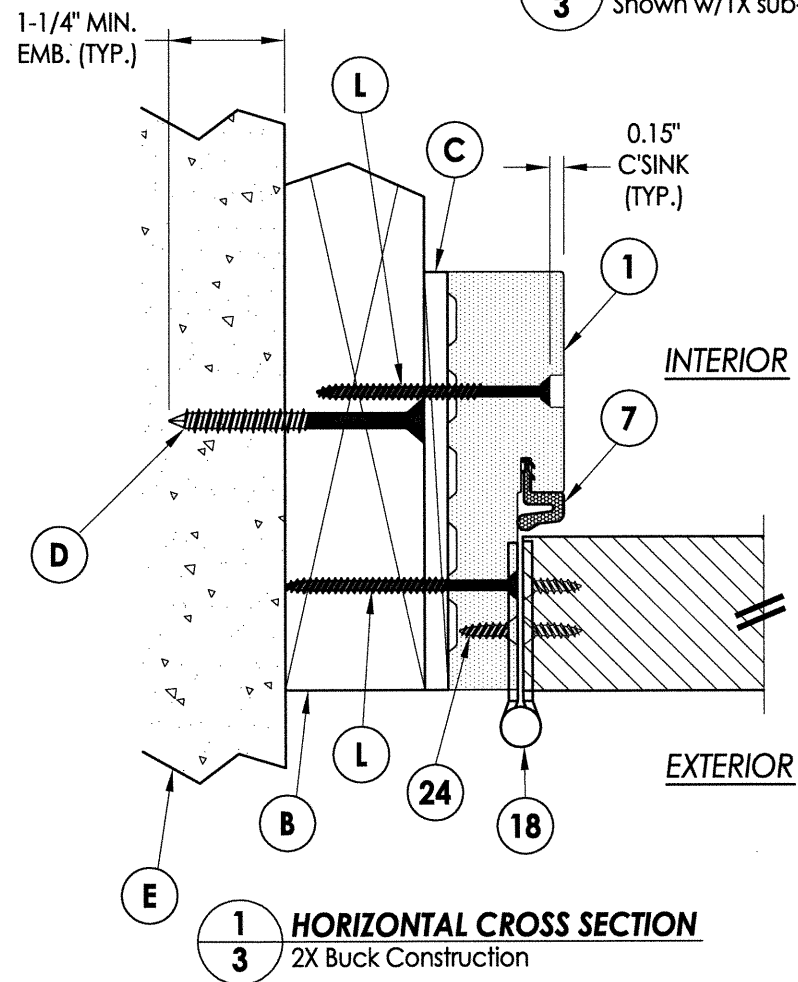
DRAWING NO.:  
FL-18385.1

SHEET 2 OF 7

R:\Clients\HM Sure Rock PERMANENT\FL-18385 Folder Template Florida Approval Numbers\C - Drawings\FL-18385.dwg, 3.1

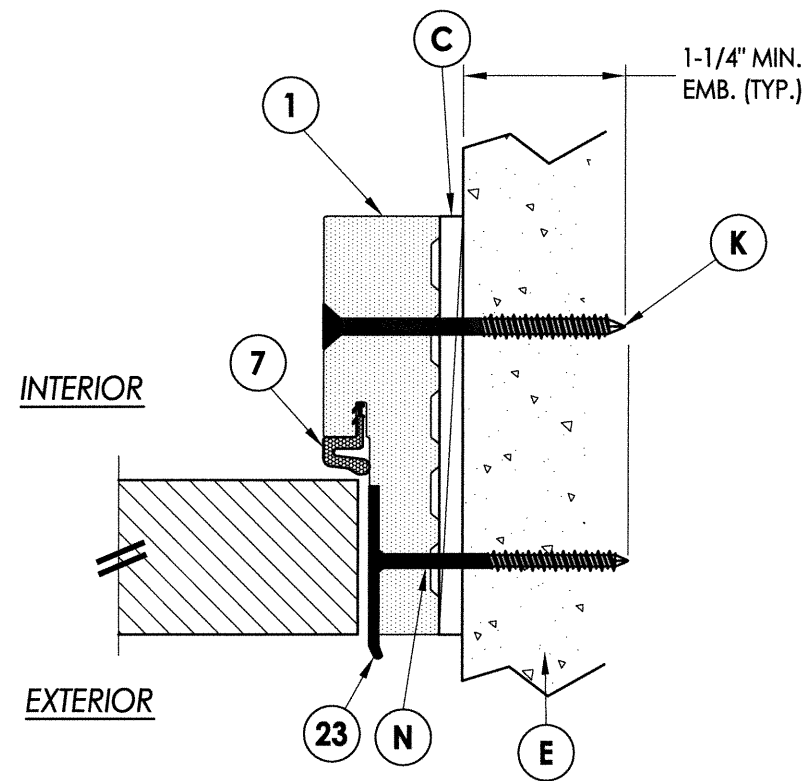


**2 HORIZONTAL CROSS SECTION**  
3 Shown w/1X sub-buck

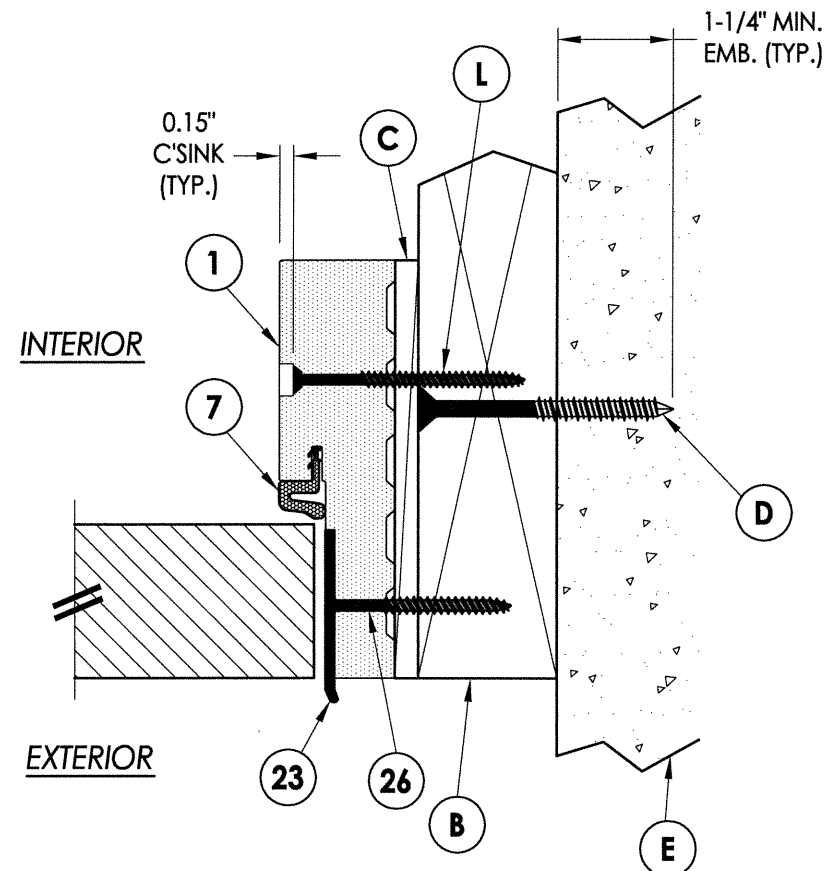


**1 HORIZONTAL CROSS SECTION**  
3 2X Buck Construction

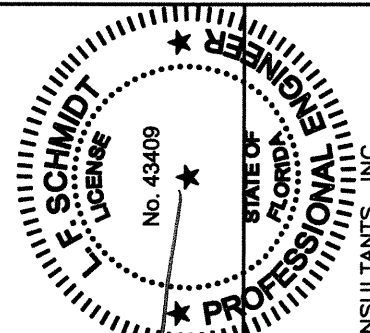
Note:  
See separate side-hinged door Product Approval for door construction details not shown, including lock hardware, astragal, hinge and threshold connections.



**3 HORIZONTAL CROSS SECTION**  
3 Shown Direct to masonry



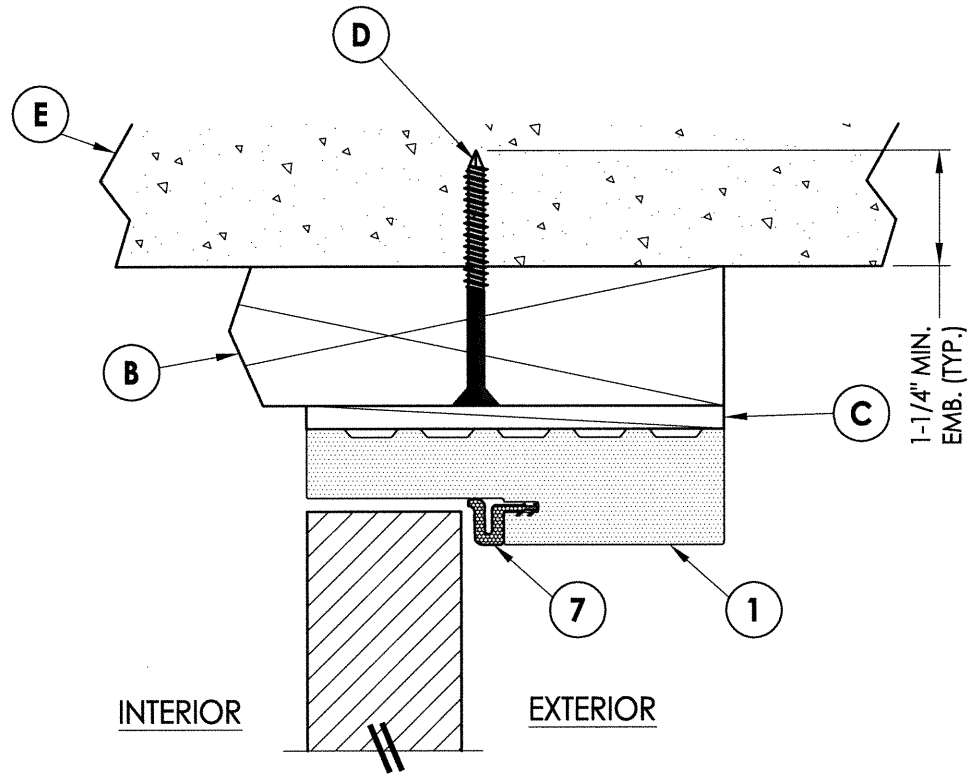
**4 HORIZONTAL CROSS SECTION**  
3 2X Buck Construction



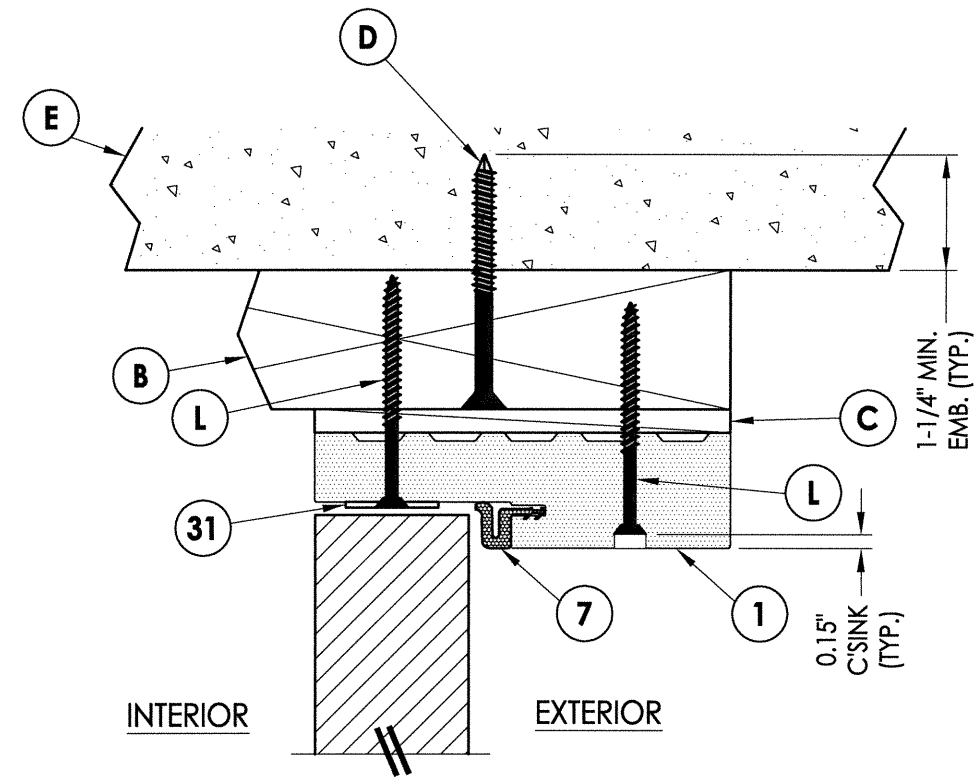
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P.E. No. 43409

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Phone No.: 813.659.9197  
FBPE C.A. No. 9813

PRODUCT:	HM SURE ROCK
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS
NO.	DATE
BY	REVISIONS
DATE:	08/04/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-18385.1
SHEET	3 OF 7

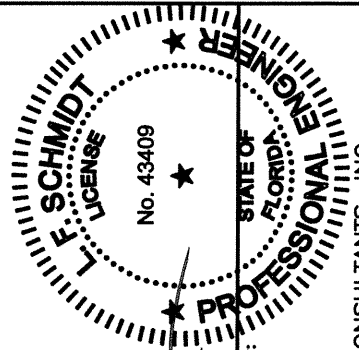


**1** VERTICAL CROSS SECTION  
**4** 2X Buck Construction- Single door



**2** VERTICAL CROSS SECTION  
**4** 2X Buck Construction- Double door

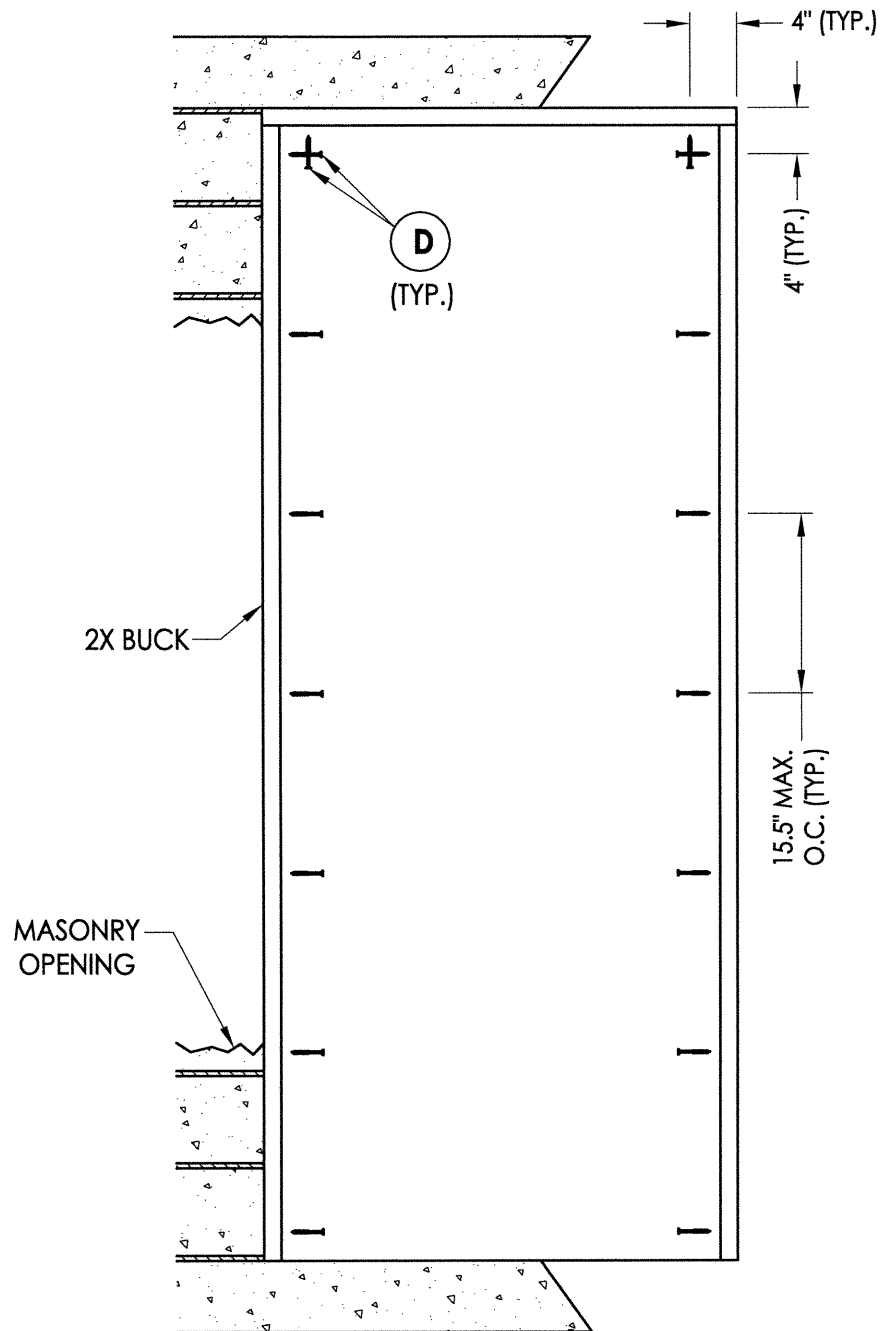
**Note:**  
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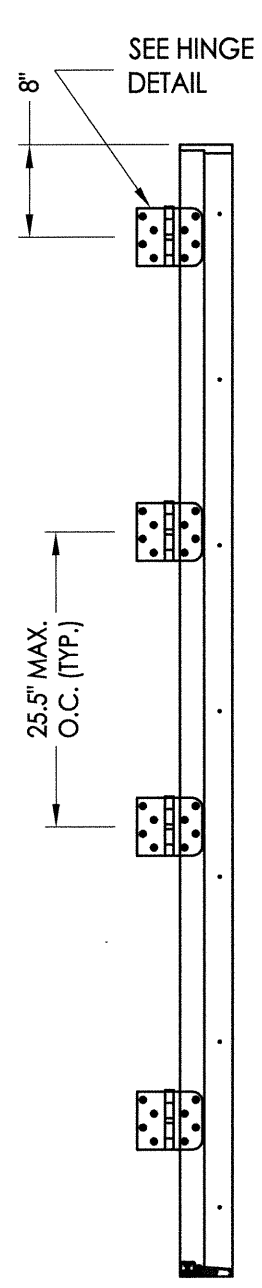
*LFS*  
*P.27.15*  
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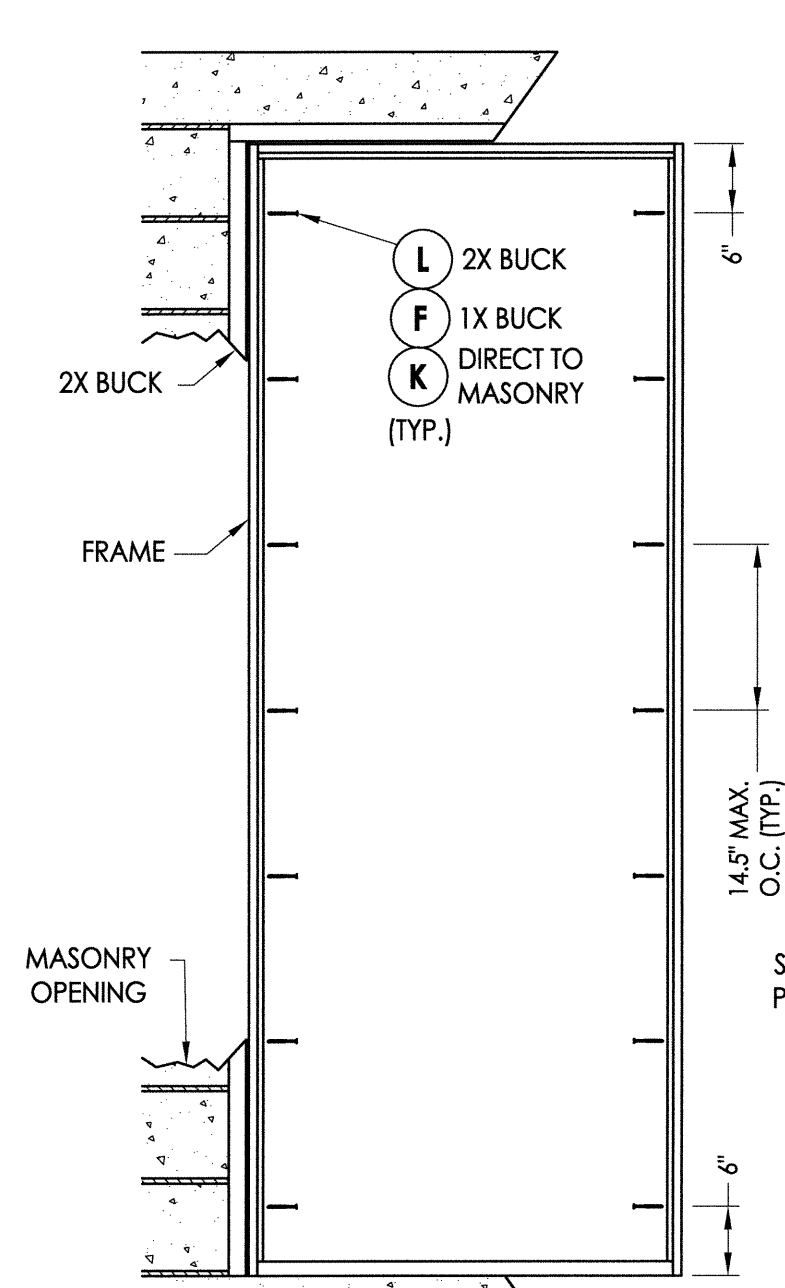
PRODUCT:	HM SURE ROCK	
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS	
NO.	DATE	BY
REVISIONS		
DATE: 08/04/15		
SCALE: N.T.S.		
DWG. BY: JK		
CHK. BY: LFS		
DRAWING NO.: FL-18385.1		
SHEET 4 OF 7		



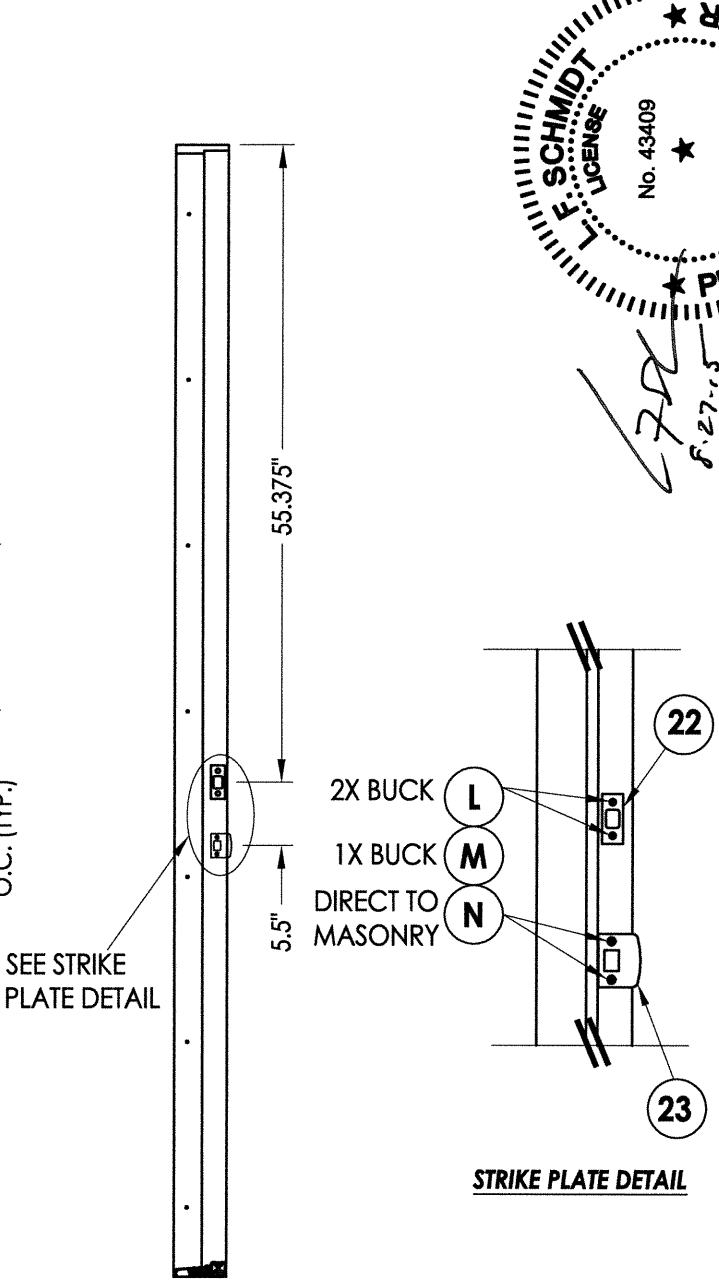
**BUCK ANCHORING**



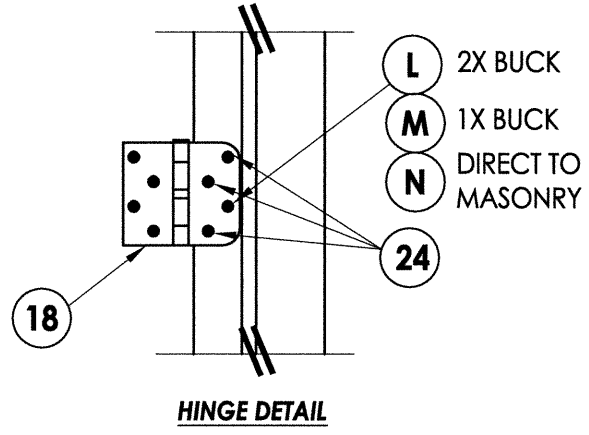
**HINGE JAMB**



**FRAME ANCHORING**  
Masonry construction



**STRIKE JAMB**



**HINGE DETAIL**

**Note:**  
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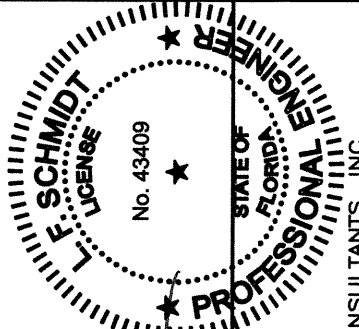
**CONCRETE ANCHOR NOTES:**

- 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"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

**WOOD SCREW INSTALLATION NOTES:**

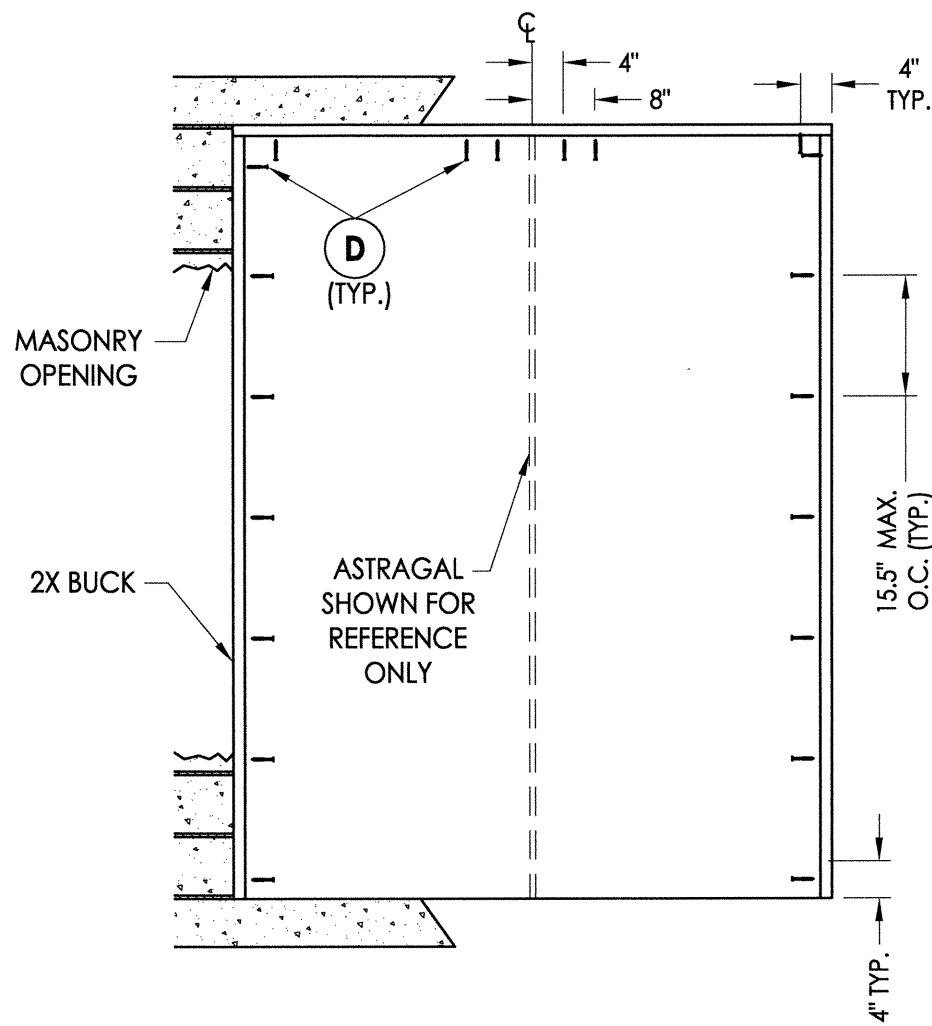
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



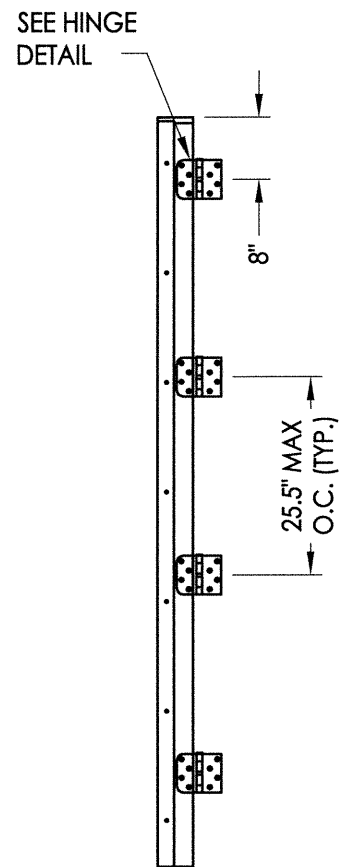
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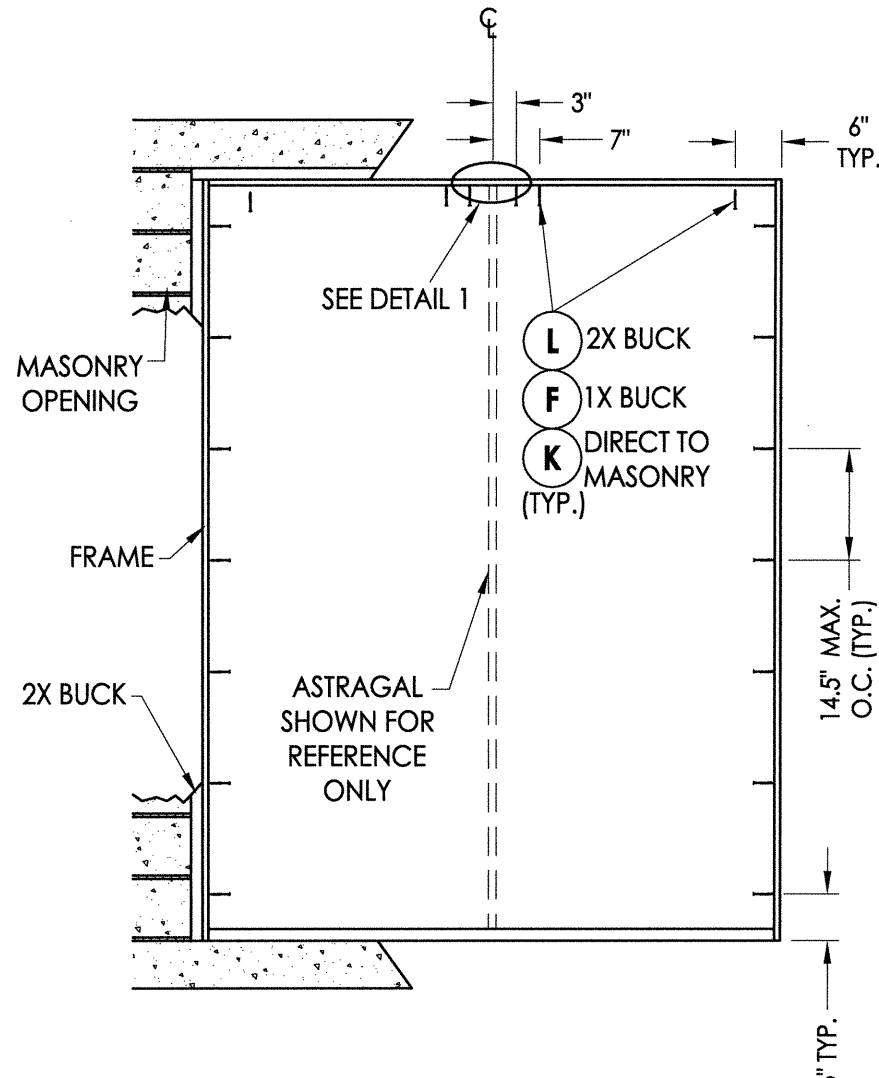
PRODUCT:	HM SURE ROCK
PART OR ASSEMBLY:	BUCK AND FRAME ANCHORING
DATE:	08/04/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-18385.1
SHEET	5 OF 7



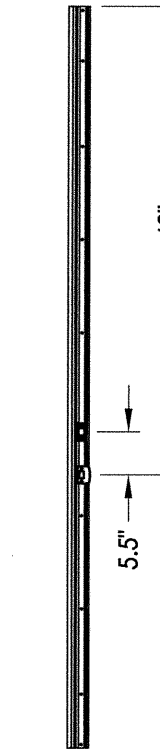
**BUCK ANCHORING**



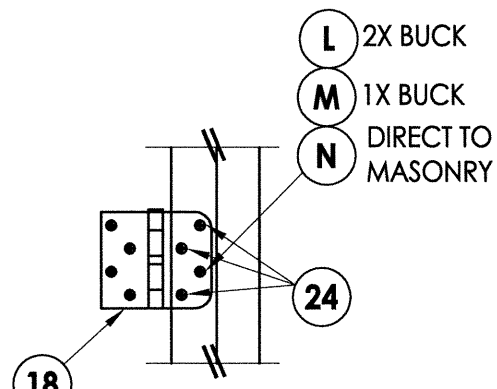
**HINGE JAMB**



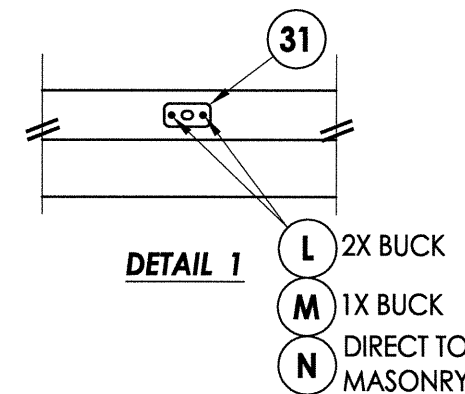
**FRAME ANCHORING**  
Masonry construction



**ASTRAGAL**



**HINGE DETAIL**



**DETAIL 1**

CONCRETE ANCHOR NOTES:

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3. Concrete anchor table:

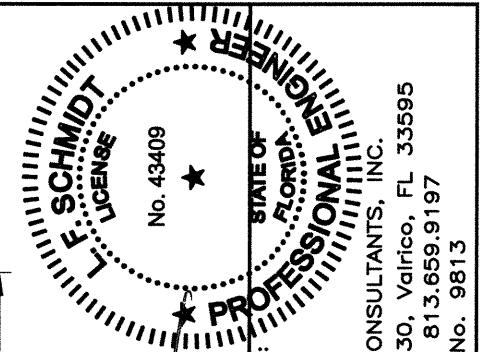
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ELCO ULTRACON®	1/4"	1-1/4"	1"	4"

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.

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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PRODUCT:	HM SURE ROCK
PART OR ASSEMBLY:	BUCK AND FRAME ANCHORING

NO.	DATE	BY

DATE: 08/04/15

SCALE: N.T.S.

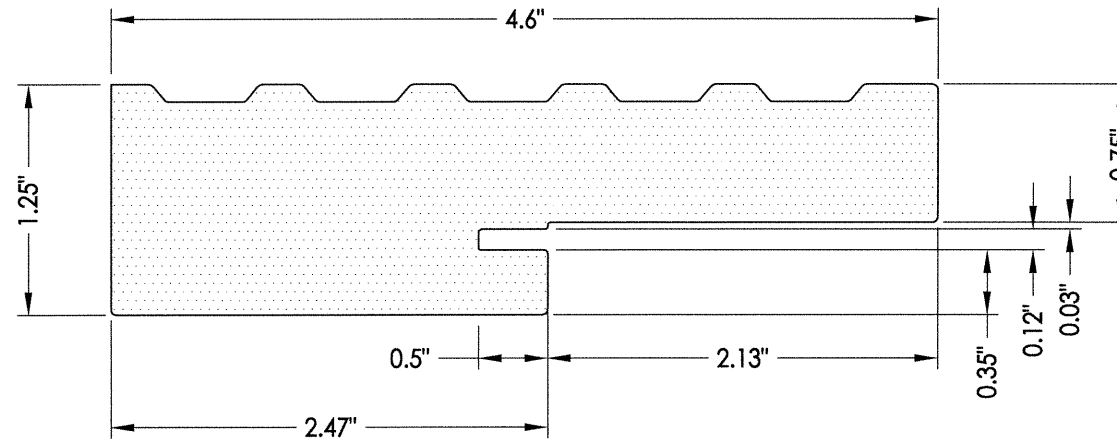
DWG. BY: JK

CHK. BY: LFS

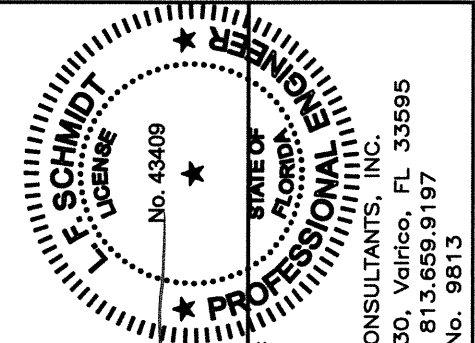
DRAWING NO.: FL-18385.1

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" PFH ELCO 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 ELCO OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
K	1/4" X 3-1/4" PFH ELCO 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 & SIDE JAMB	COMPOSITE
7	WEATHERSTRIP QEBD650 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
26	#8 X 2" PFH WOOD SCREW	STEEL
31	ASTRAGAL STRIKE PLATE	STEEL



1 HEAD & SIDE JAMB  
Sure Jamb



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PRODUCT:	HM SURE ROCK
PART OR ASSEMBLY:	BILL OF MATERIALS & COMPONENTS

NO.	DATE	BY

DATE: 08/04/15  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-18385.1  
SHEET 7 OF 7