

THERMA TRU®

THERMA TRU DOORS
118 INDUSTRIAL DR., EDGERTON, OH 43517

"Fiber-Classic" and "Benchmark by Therma-Tru"

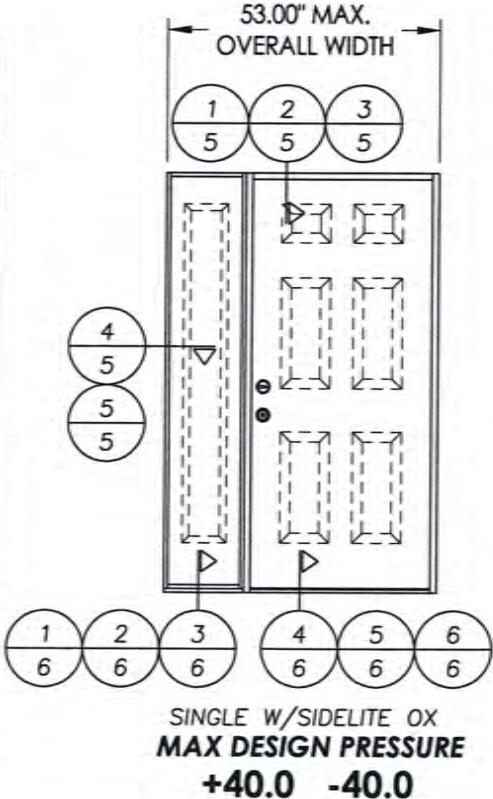
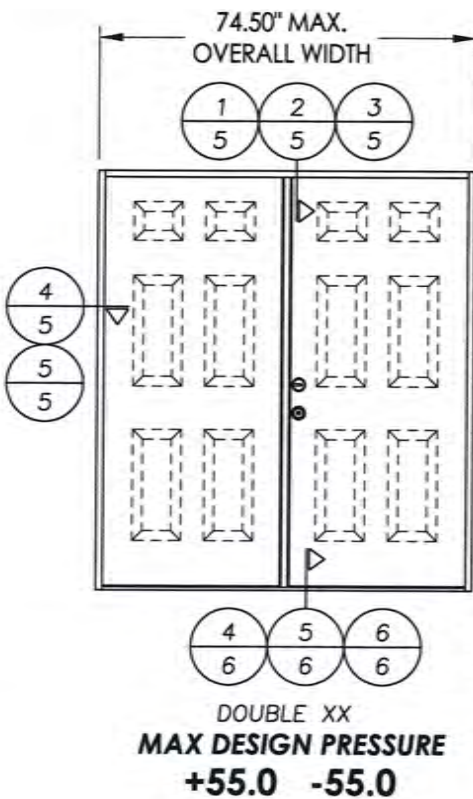
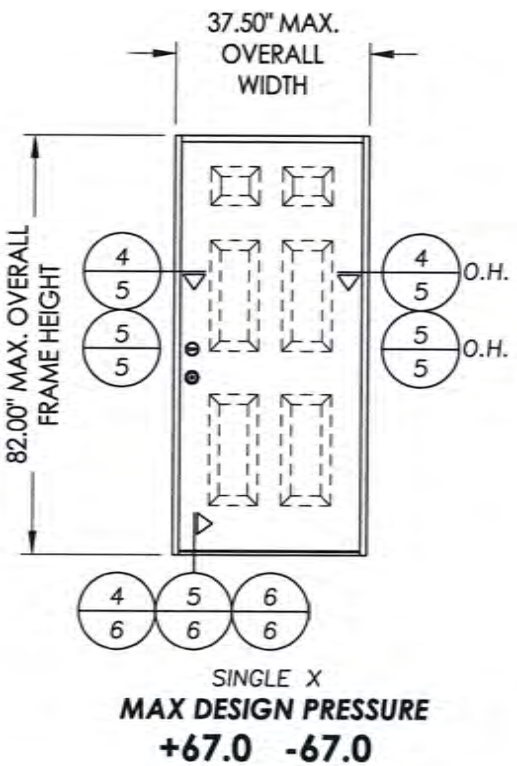
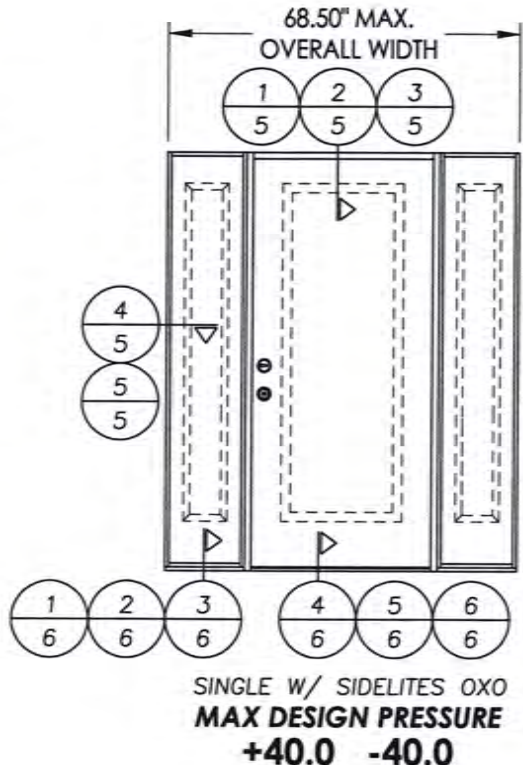
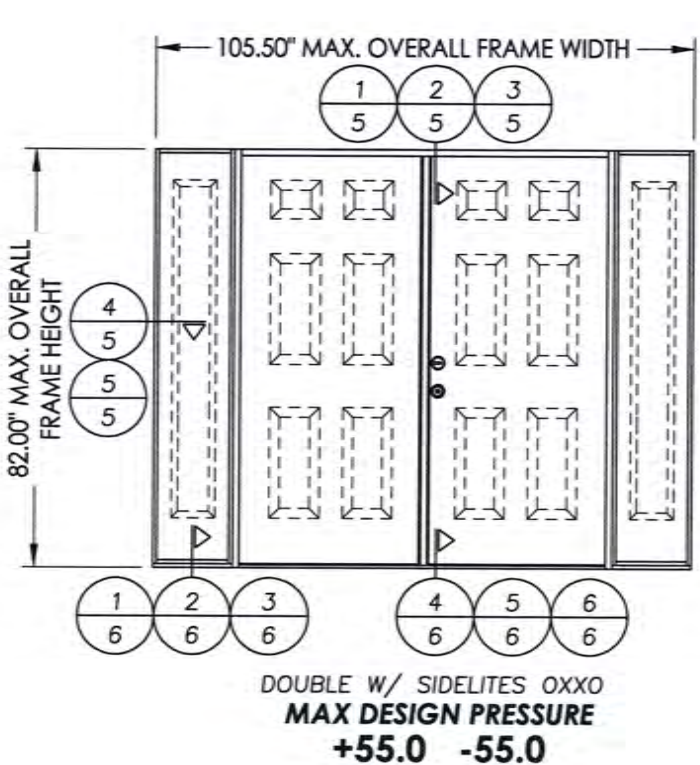
6'8" SINGLE AND DOUBLE OPAQUE OR GLAZED PANELS
W/ & W/OUT SIDELITES
INSWING / OUTSWING
INSULATED FIBERGLASS DOOR WITH WOOD FRAMES

General Notes

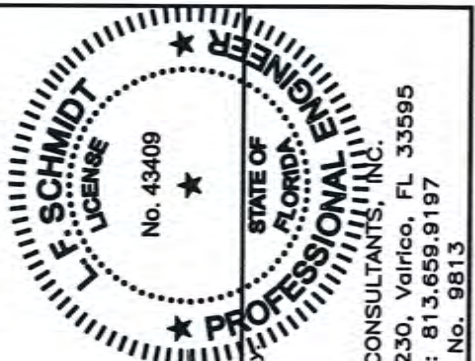
1. This product anchoring drawing has been developed in compliance with the 5th Edition (2014) Florida Building Code (FBC) excluding the "High Velocity Hurricane Zone". See the Certification Agency Certificate for sizes, specifications and ratings.
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing, stucco, foam, brick and other wall coverings.
3. Wood screws shall be installed following installation instructions of ANSI/AF&PA NDS 2012. All other fastener types to be installed following fastener manufacturer's installation instructions.
4. Fastener embedment depths, edge distances and center-center distances shall be as specified by the fastener manufacturer but in no instance shall they be less than shown in this drawing.
5. Where shims are used, they must be a "rigid / stiff" material that complies with the requirements of the FBC.
6. Positive and negative design pressure requirements for use with this drawing shall be determined by others for specific jobs in accordance with the governing code.
7. Site conditions not covered by this drawing are subject to further engineering analysis.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Buck anchoring
3	Frame anchoring
4	Frame anchoring & bill of materials
5	Horizontal & vertical cross sections
6	Vertical cross sections



LOCK HARDWARE MFG & SERIES
KWIKSET SIGNATURE SERIES LATCH
KWIKSET SIGNATURE SERIES 780 DEADBOLT

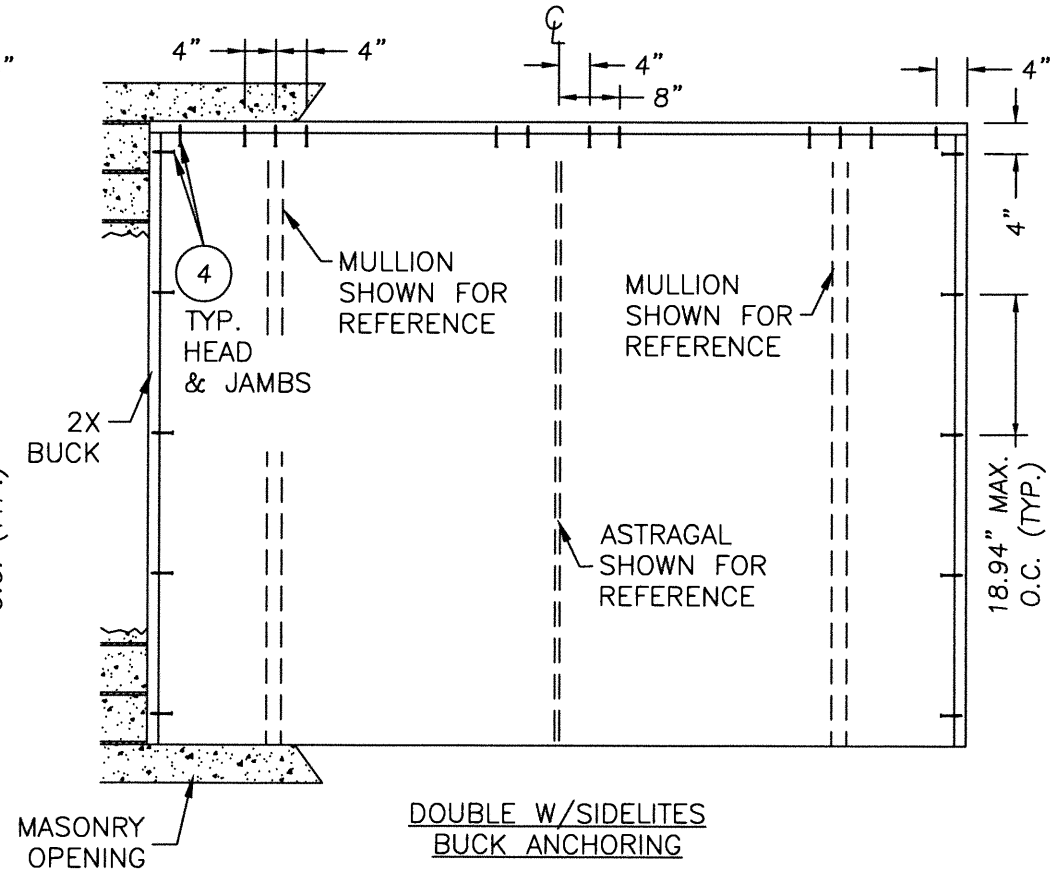
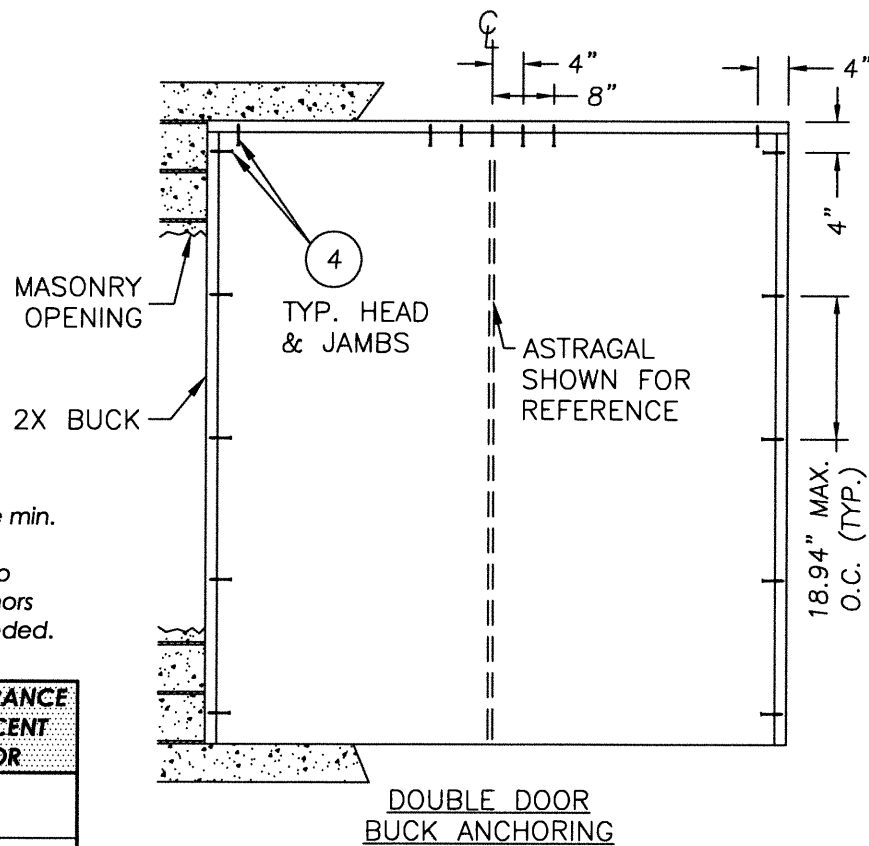
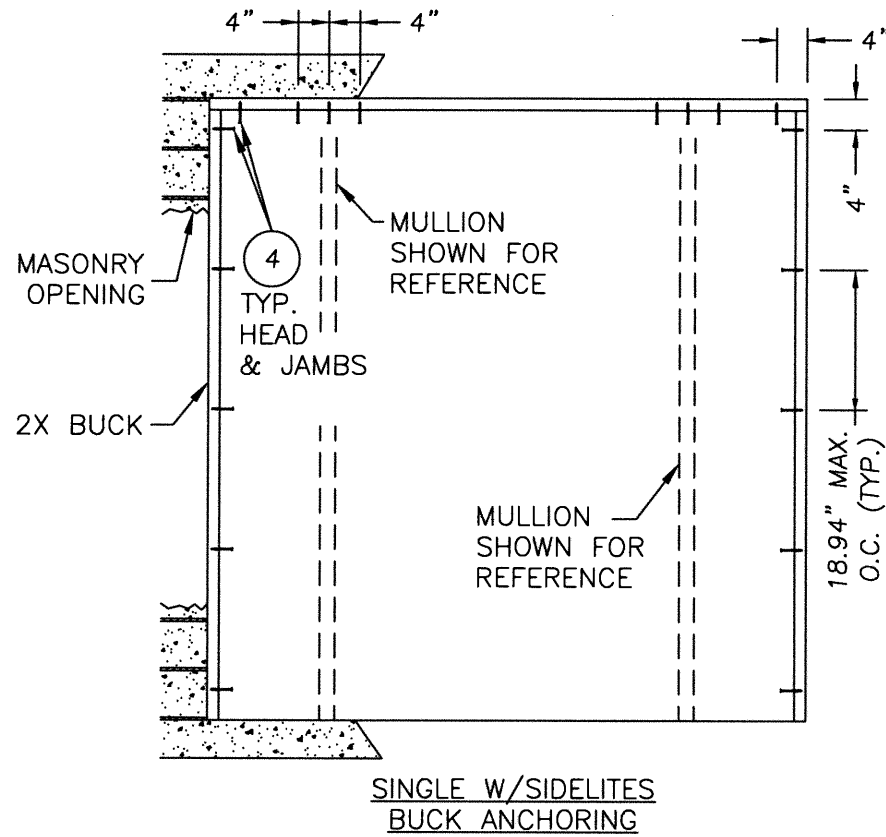
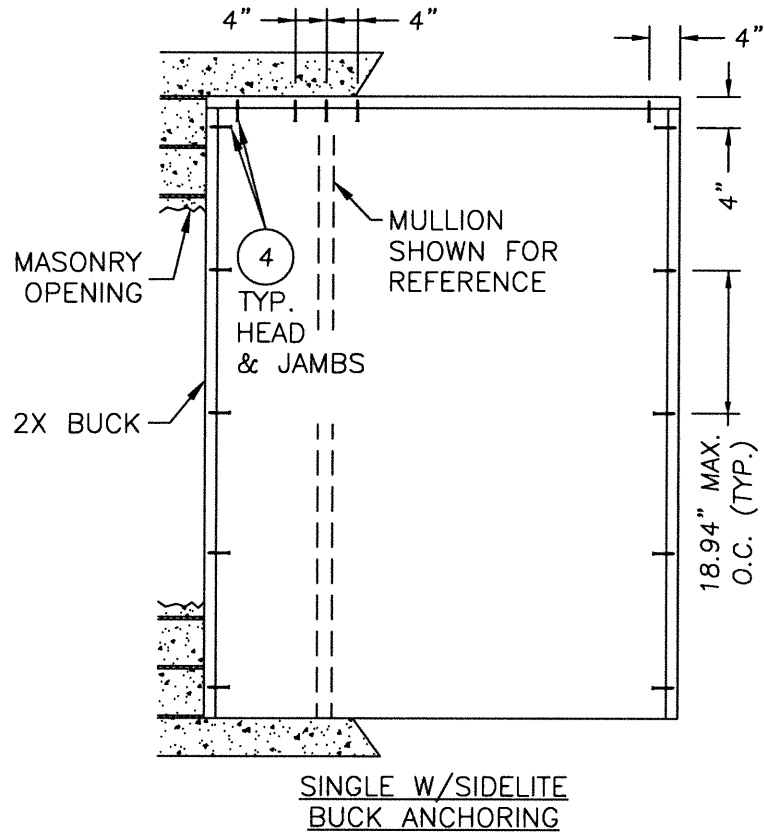
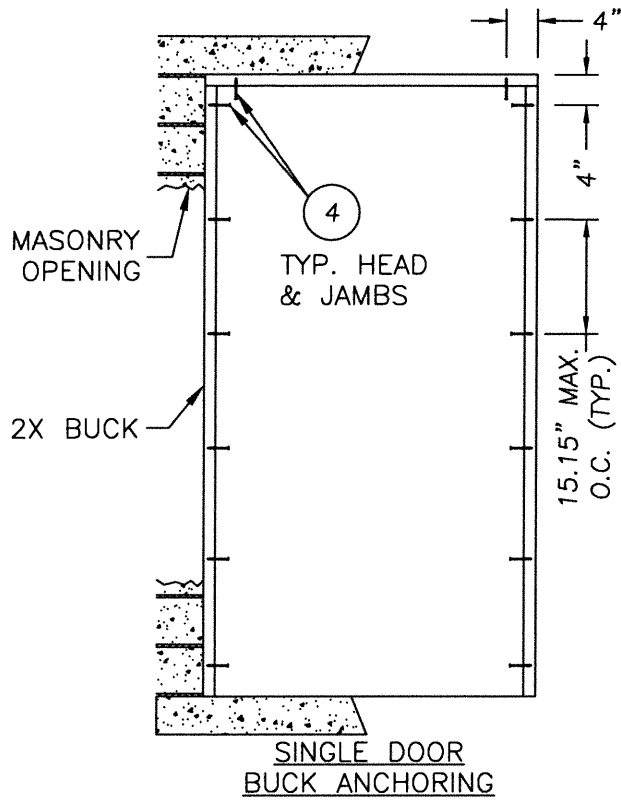


Documents Prepared By
Lyndon F. Schmidt
P.E. No. 43409

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

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES
DATE:	2/21/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15225.3-68
SHEET	1 OF 6

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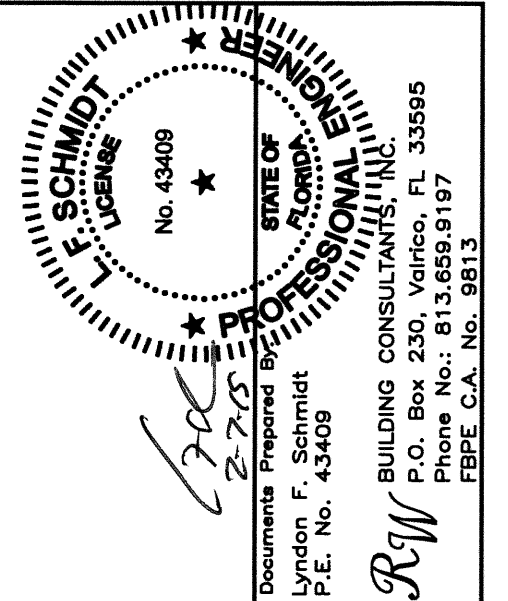
NOTES:

1. 2X buck min. S.G. ≥ 0.55 .

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 TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"



PRODUCT: THERMA-TRU FIBERGLASS DOOR

PART OR ASSEMBLY: BUCK ANCHORING

NO.	DATE	REVISIONS
1	2/05/15	UPDATE TO 5TH ED. (2014) FBC
		LFS
		BY

DATE: 2/21/12

SCALE: N.T.S.

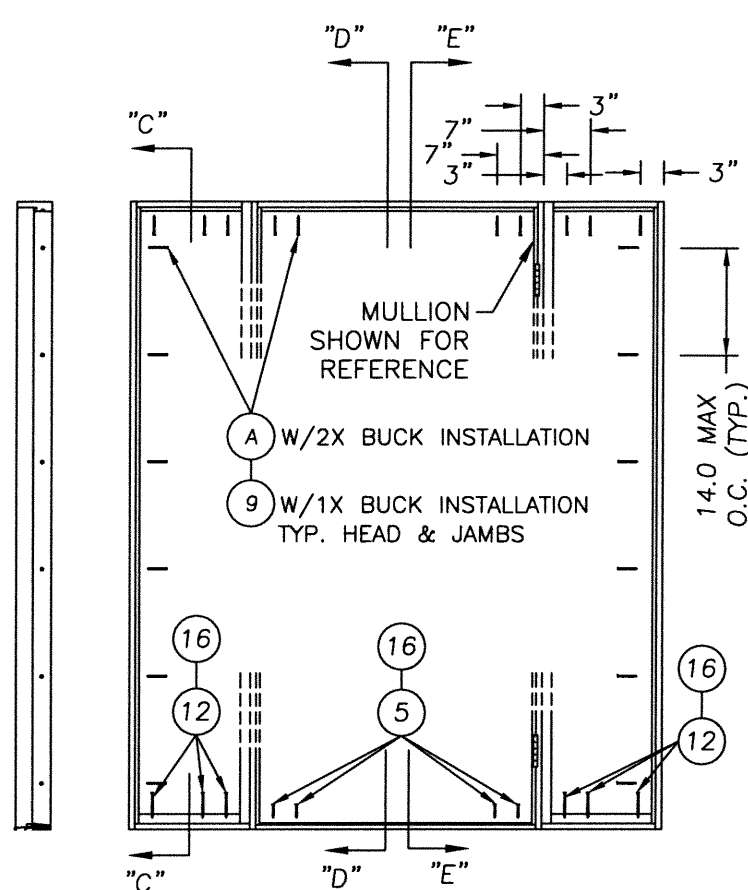
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CHK. BY: LFS

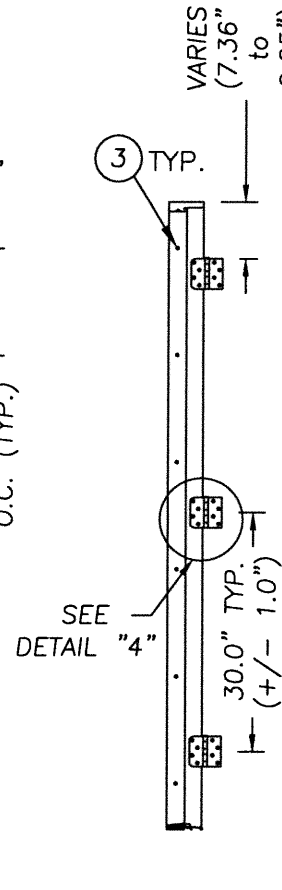
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SHEET 2 OF 6

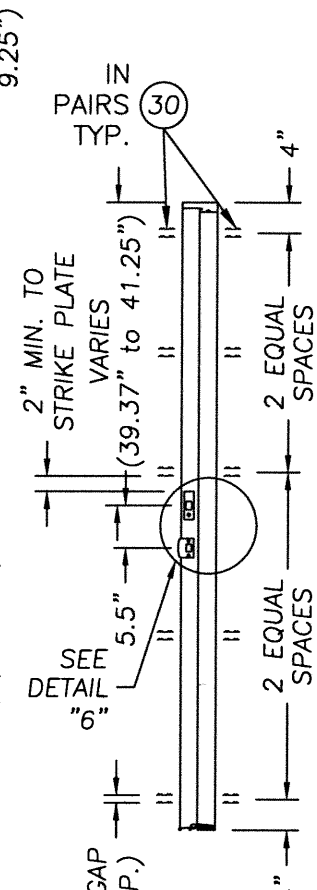
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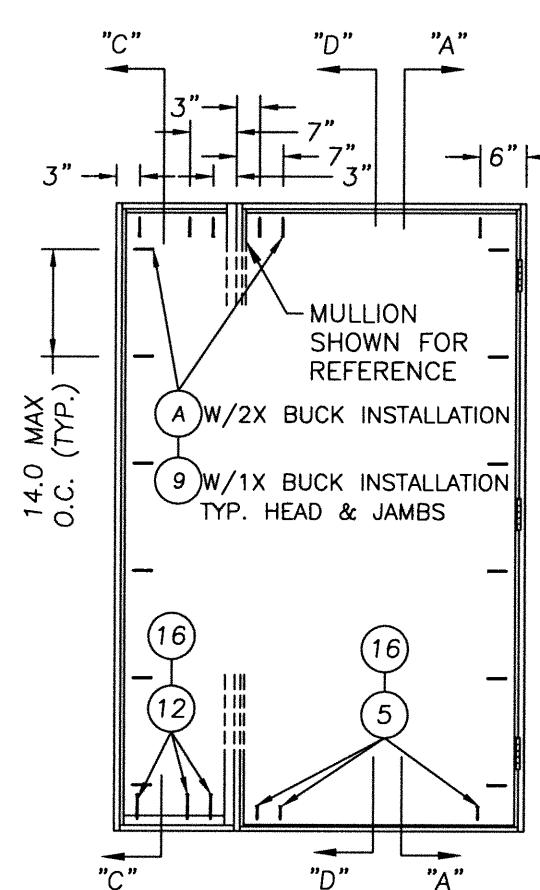
VIEW "C"-"C" SINGLE DOOR W/SIDELITES



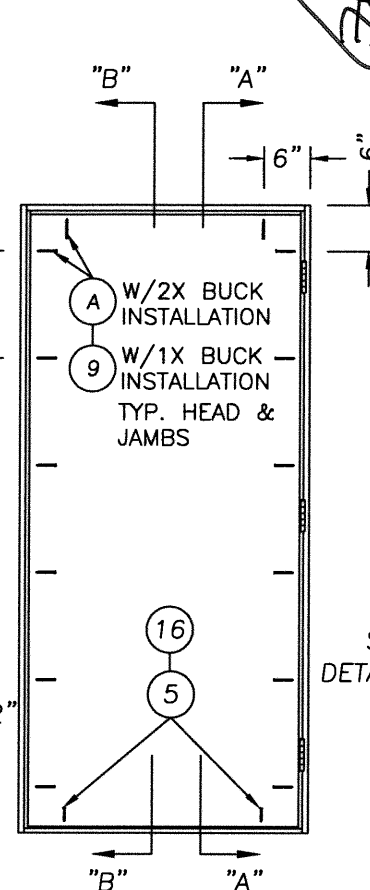
VIEW "E"-"E"



VIEW "D"-"D" SINGLE DOOR W/SIDELITE



VIEW "B"-"B" SINGLE DOOR



VIEW "A"-"A" SINGLE DOOR

SHOWN W/ OPTIONAL CORRUGATED FASTENERS, ITEM #30 (TYP. ALL SIDELITE TO DOOR JAMB CONNECTIONS)

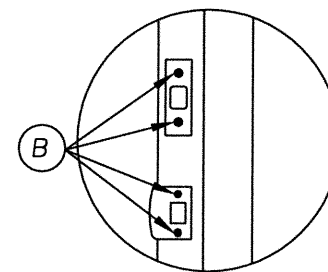
SIDELITE NOTES:

1. The sidelite is direct set into the jamb with (12) #8 x 2" pfh. wood screws. There are (4) at each vertical jamb, from the top down at 13.5", 31", 48.5" & 66". There are (2) at the header at 4" from the outside corners of the frame. There are (2) at the sill, 4" from the outside corners.
2. For optional sidelite construction with staples, sidelite is direct set into the jamb with (4) 7/16" X 1-3/4" 16 ga. staples along each jamb (6" from ends and equally spaced thereafter).

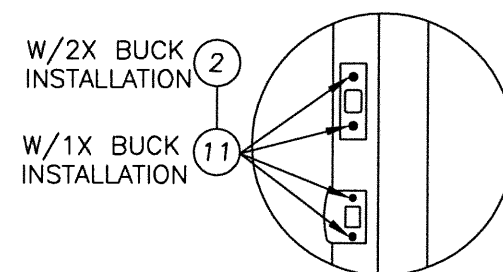
CONCRETE ANCHOR NOTES:

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:

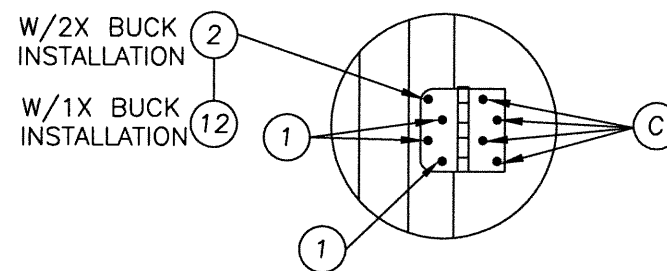
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"



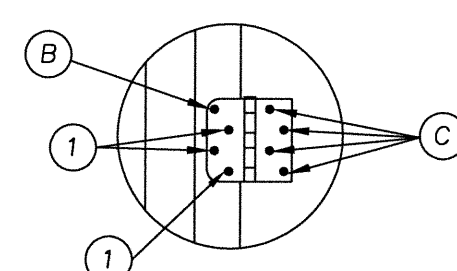
DETAIL "6"



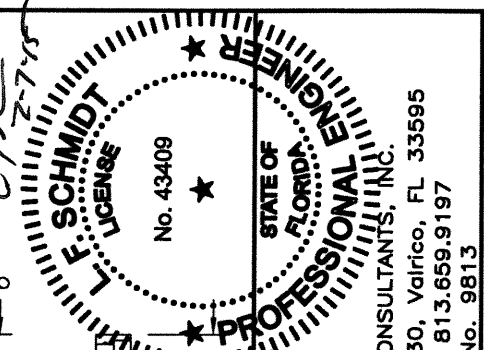
DETAIL "2"



DETAIL "1"



DETAIL "4"



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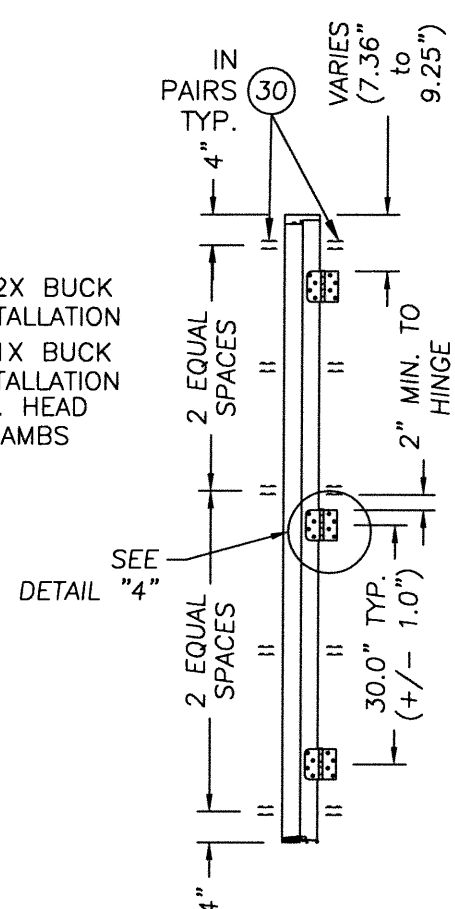
PRODUCT: THERMA-TRU FIBERGLASS DOOR

PART OR ASSEMBLY: FRAME ANCHORING

NO.	DATE	REVISIONS
1	2/05/15	UPDATE TO 5TH ED. (2014) FBC

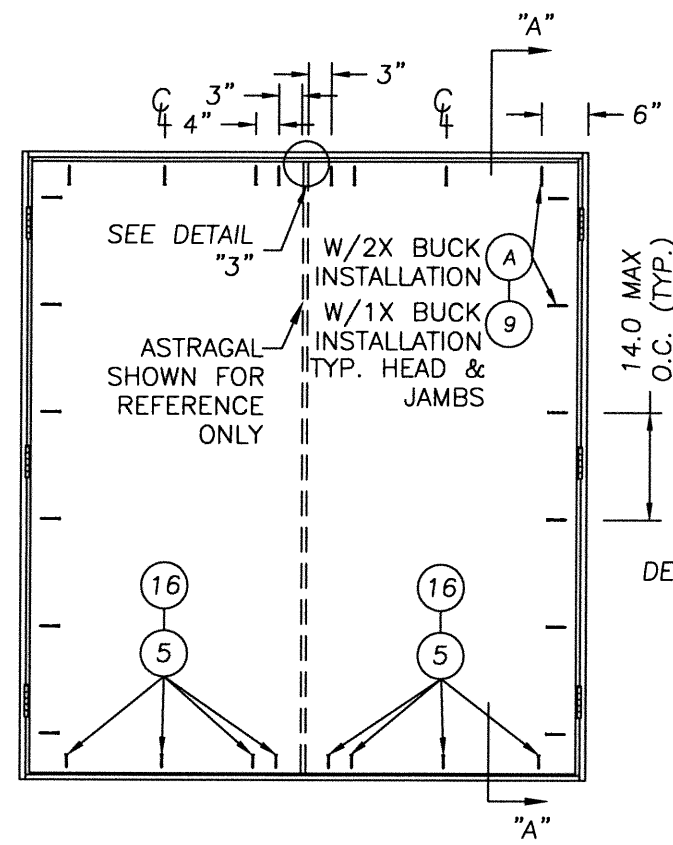
DATE: 2/21/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15225.3-68
SHEET 3 OF 6

DOUBLE DOOR W/SIDELITES

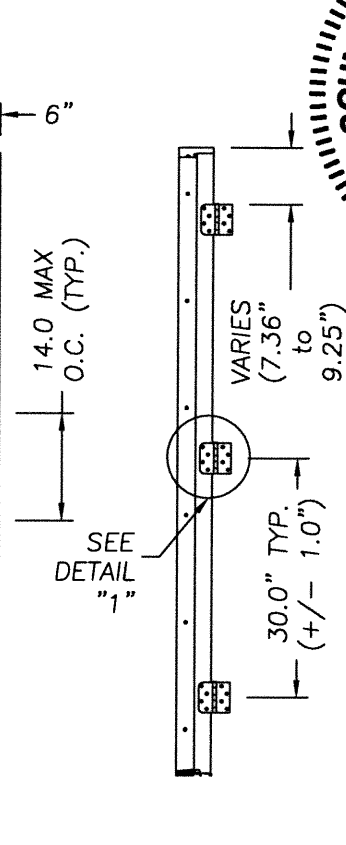


VIEW "E"-"E"

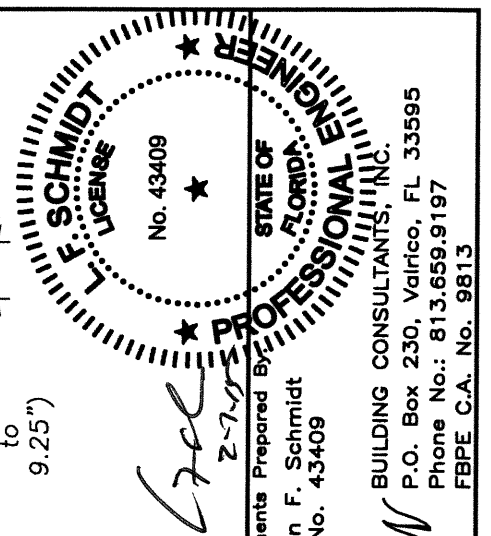
SHOWN W/ OPTIONAL CORRUGATED
FASTENERS, ITEM #30 (TYP. ALL
SIDELITE TO DOOR JAMB CONNECTIONS)



DOUBLE DOOR



VIEW "A" - "A"



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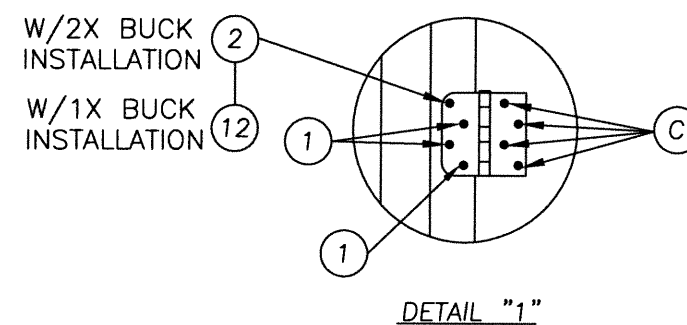
RW

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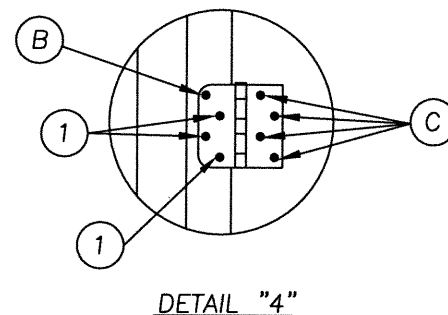
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING
& BILL OF MATERIALS

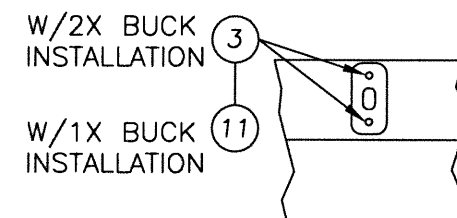
Item	DESCRIPTION	Material
A	#10 x 2-1/2" PFH WOOD SCREW	STEEL
B	#10 X 1-3/4" PFH WOOD SCREW	STEEL
C	#10 X 1" PFH WOOD SCREW	STEEL
1	#10 x 3/4" LG. PFH WOOD SCREW (Hinge to Frame)	STEEL
2	#10 x 2" LG. PFH WOOD SCREW	STEEL
3	#8 x 2-1/2" LG. PFH WOOD SCREW	STEEL
4	1/4" x 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
5	1/4" x 1-3/4" ITW PFH CONCRETE SCREW	STEEL
9	1/4" x 3-3/4" ITW PFH CONCRETE SCREW	STEEL
11	3/16" x 3-1/4" ITW PFH CONCRETE SCREW	STEEL
12	1/4" x 3-1/4" ITW PFH CONCRETE SCREW	STEEL
13	MASONRY – 3000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
16	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
20	HEADER JAMB (SUGAR PINE, SG >= 0.34)	WOOD
21	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
30	1/2" X 1" X 25 GA. CORRUGATED FASTENER	STEEL



DETAIL "1"

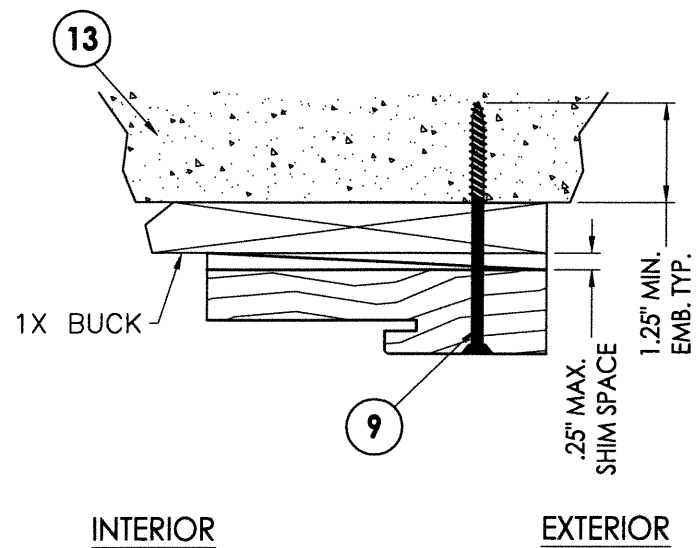


DETAIL "4"

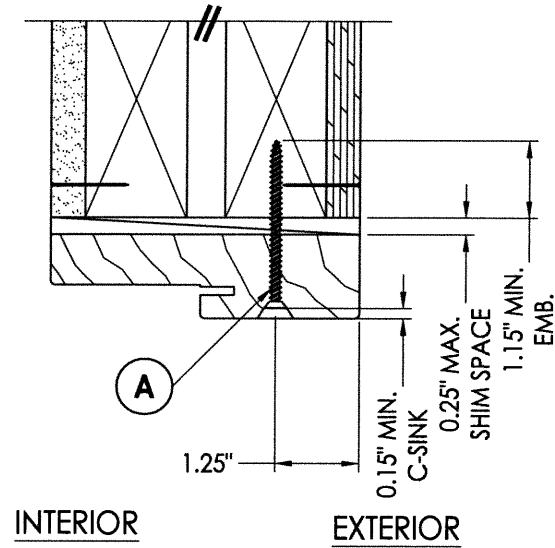


DETAIL "3"
ATTACH ASTRAGAL THROW BOLT
STRIKE PLATE TO FRAME
AS SHOWN.

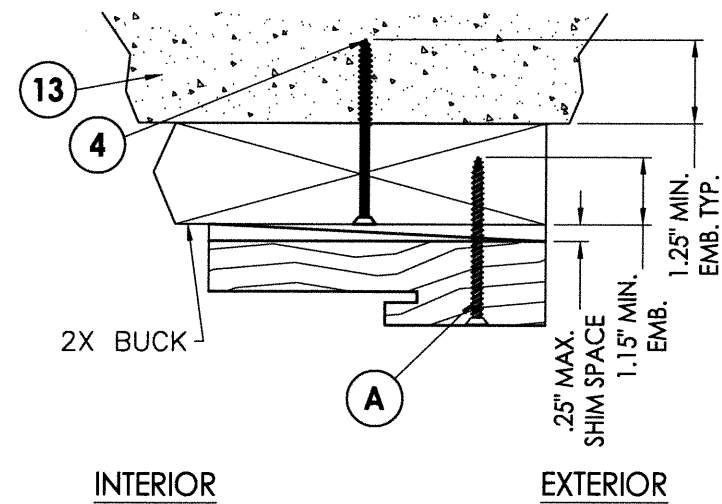
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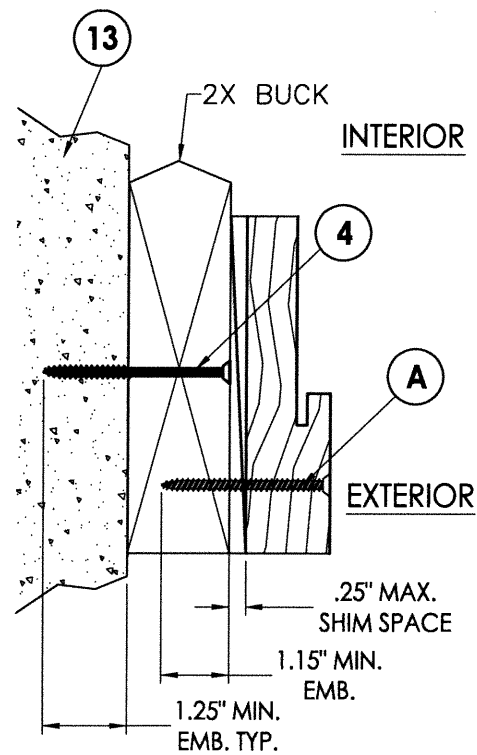
1 HEAD JAMB
5 To 1x sub-buck
 Inswing shown



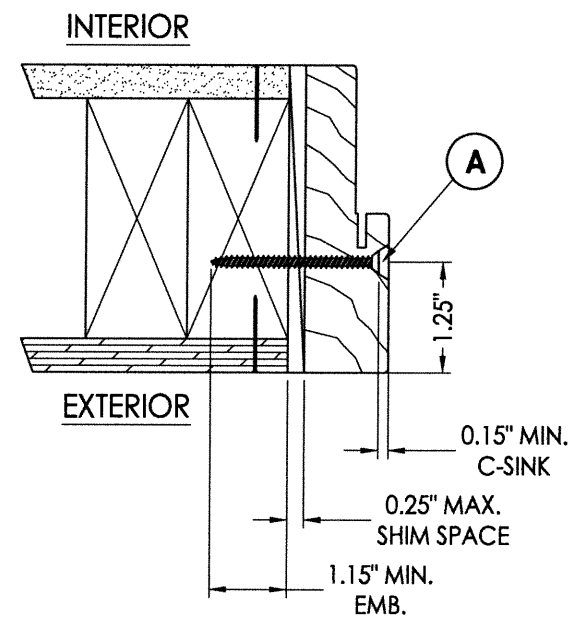
2 HEAD JAMB
5 To wood frame
Inswing shown



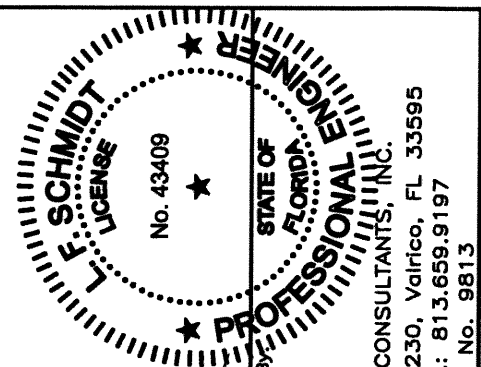
3 HEAD JAMB
5 To 2x sub-buck
Inswing shown



4 VERTICAL SIDE JAMB
5 To 2x sub-buck
Inswing shown



5 VERTICAL SIDE JAMB
To wood frame
Inswing shown



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FBPE C.A. No. 9813

[illegible]

1-1/4" MIN.
EMB. (TYP.)

EXTERIOR

INTERIOR

13

16

1-1/4" MIN.
EMB. (TYP.)

EXTERIOR

INTERIOR

5

13

L. F. SCHMIDT
LICENSE

No. 43409

STATE OF
FLORIDA

PROFESSIONAL ENGINEER

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O. Valrico, FL 33595
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o. 9813

BUILDING CONSULTANTS, INC.
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ASSEMBLY:
VERTICAL
CROSS SECTIONS

DATE:	2/21/12
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-15225.3-68
SHEET	6 OF 6