



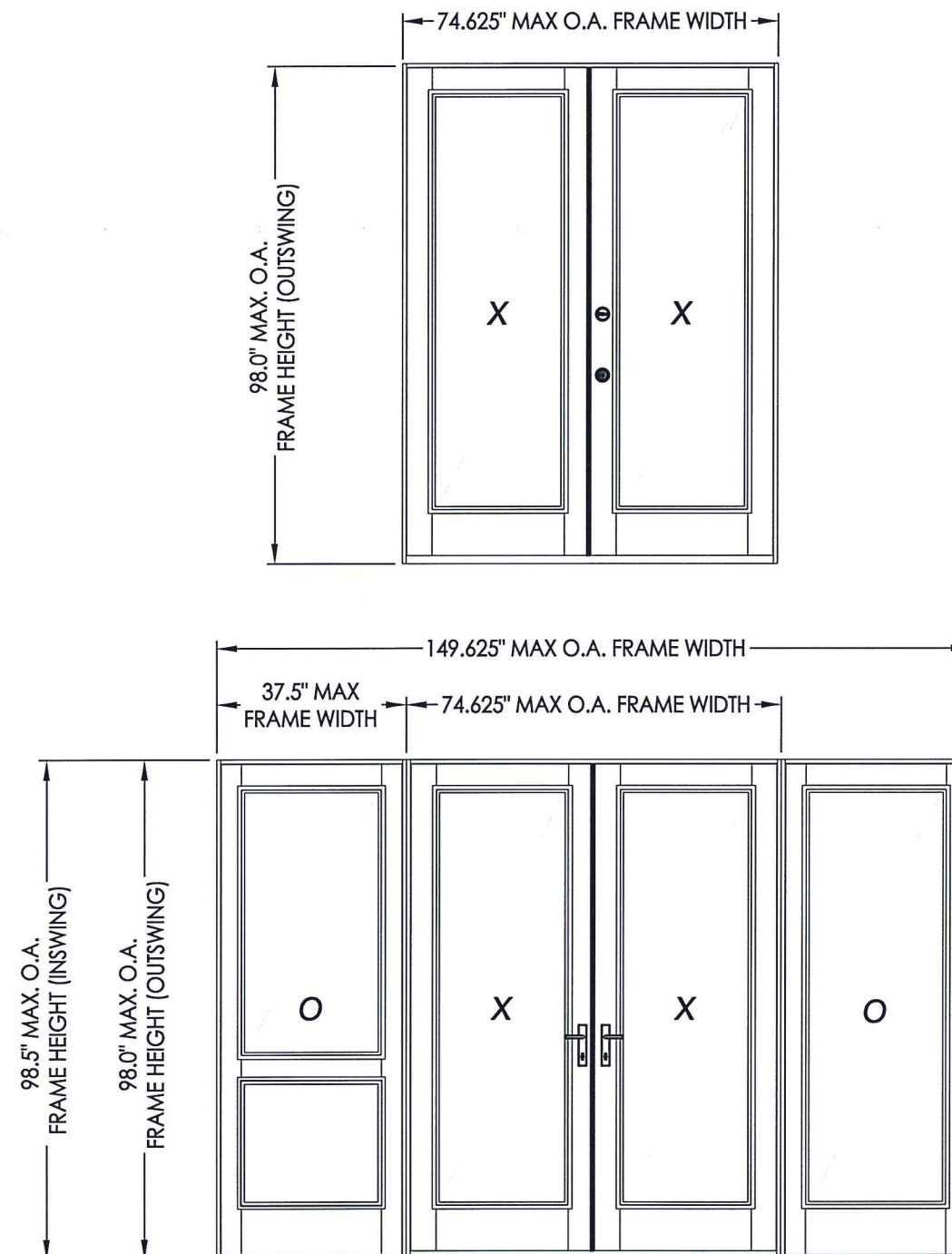
IMPACT 360 SERIES
WOOD GLAZED OR OPAQUE
DOUBLE DOOR
w/ or w/out SIDELITES

INSWING/OUTSWING "IMPACT"

GENERAL NOTES

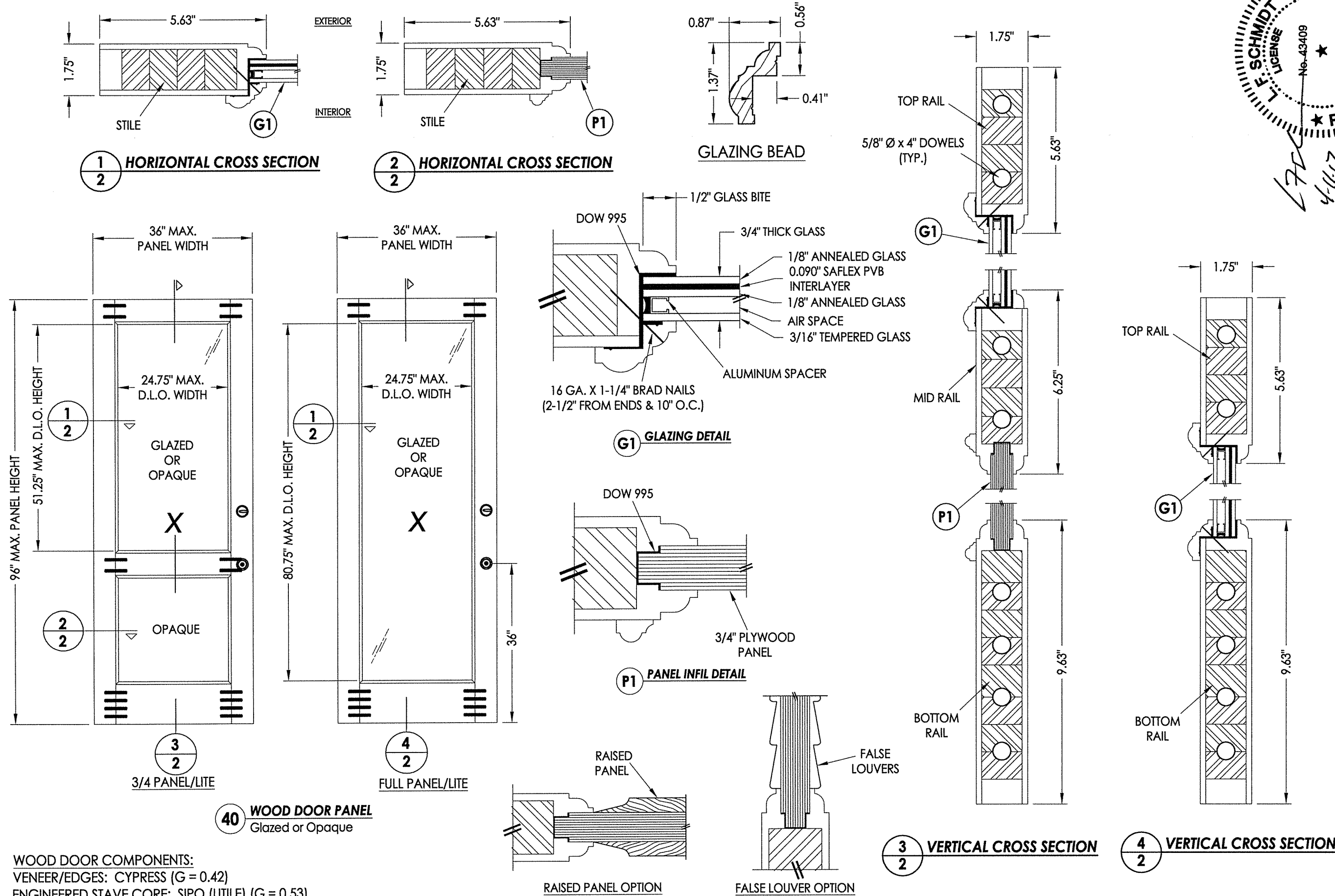
1. This product has been evaluated and is in compliance with the 5th Edition (2014) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 E 1996 and Section 1609.1.2.2 of the FBC.
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.

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6	Horizontal & Vertical Cross Sections (1X Buck)
7	Vertical Cross Sections (Thresholds)
8	Buck Anchoring
9	Frame Anchoring
10	Hardware Details
11	Bill of Materials & Components



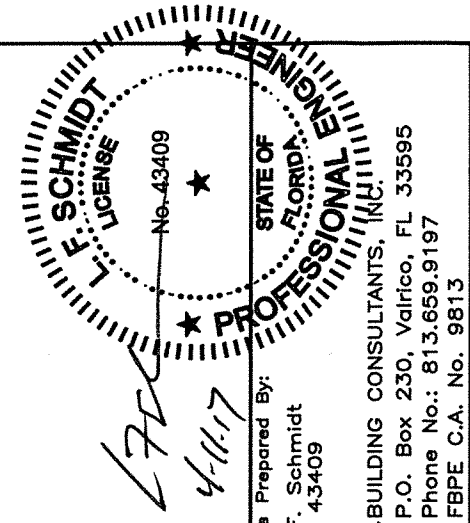
CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	+50.0	-50.0	+50.0	-50.0

[illegible]



WOOD DOOR COMPONENTS:
VENEER/EDGES: CYPRESS (G = 0.42)
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)

40 WOOD DOOR PANEL
Glazed or Opaque



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

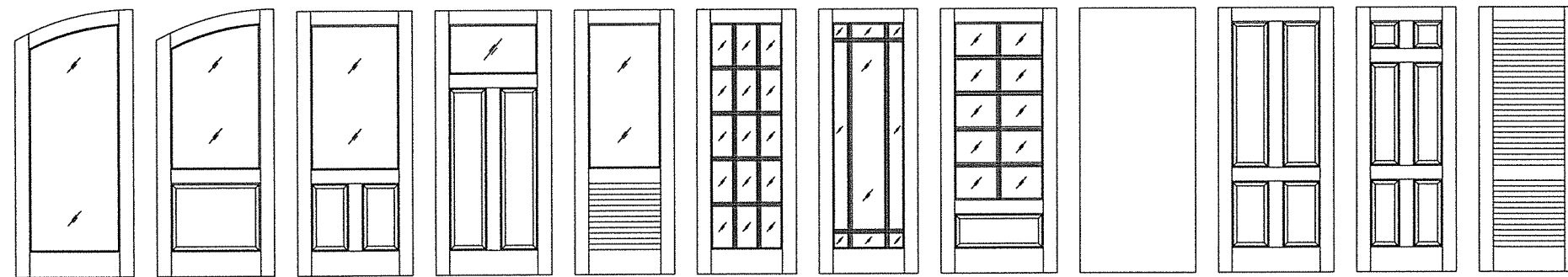
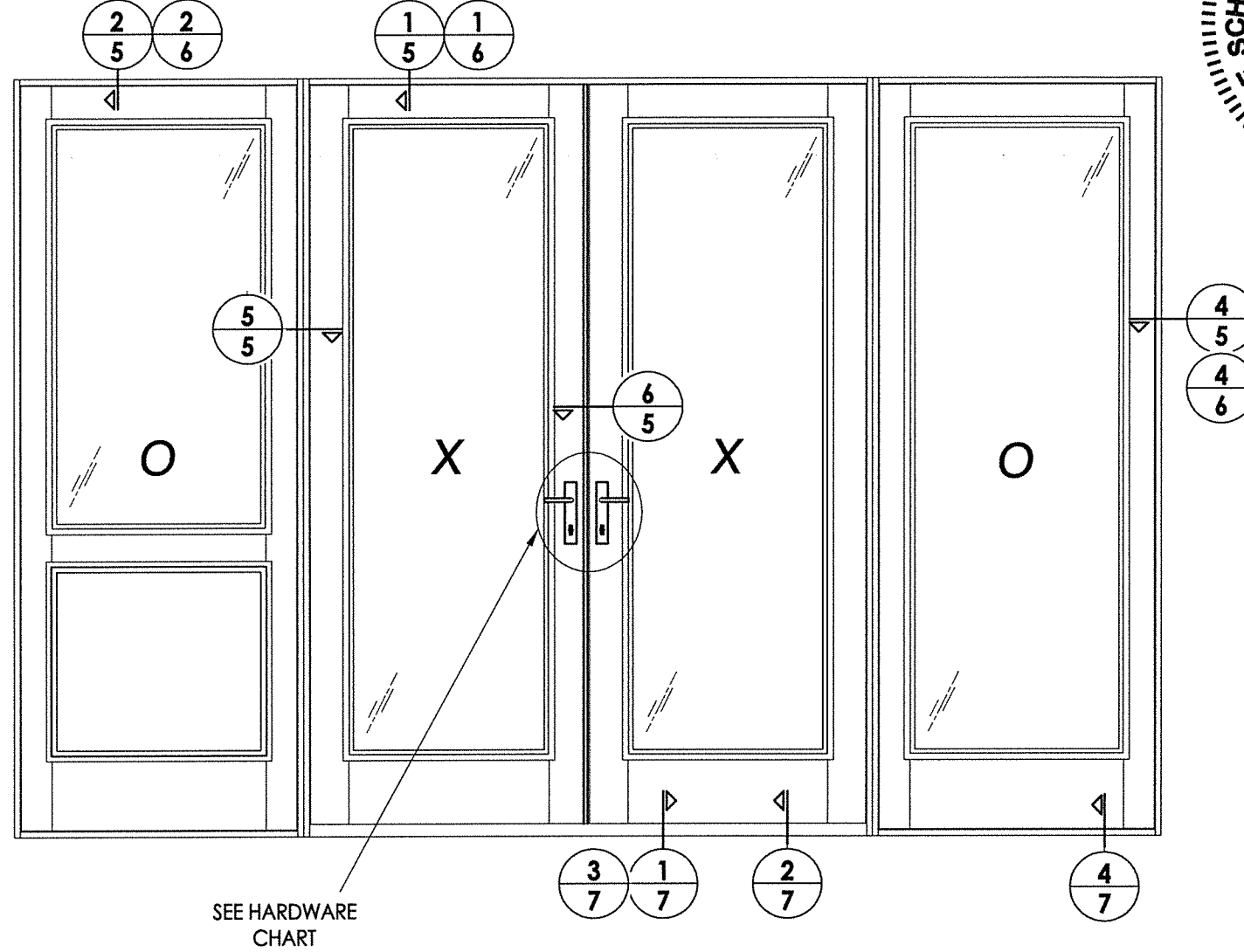
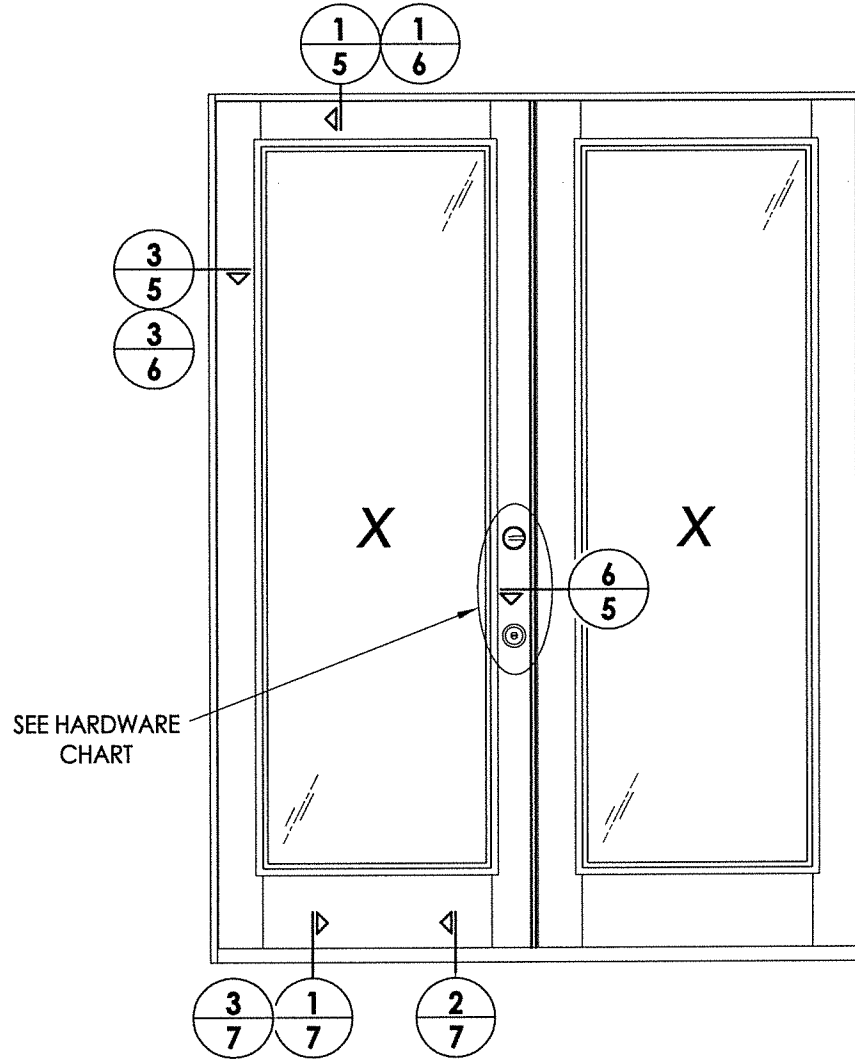
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
DOOR PANEL
DETAILS

NO.	DATE	REVISIONS
1	2/23/17	MULTIPLE REVISIONS
LFS	BY	

DATE: 2/15/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.4
SHEET 2 OF 11



Millwork 360 Door Panel Options

Panel options shown are for illustration and are representative only. Surface applied muntins are used for simulated divided lites shown.

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
HOPPE	HLS9000 MULTIPOINT HARDWARE ACTIVE : TONGUE/SHOOTBOLT INACTIVE: SHOOTBOLT

[illegible]

4
5
4
/

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4.11.17

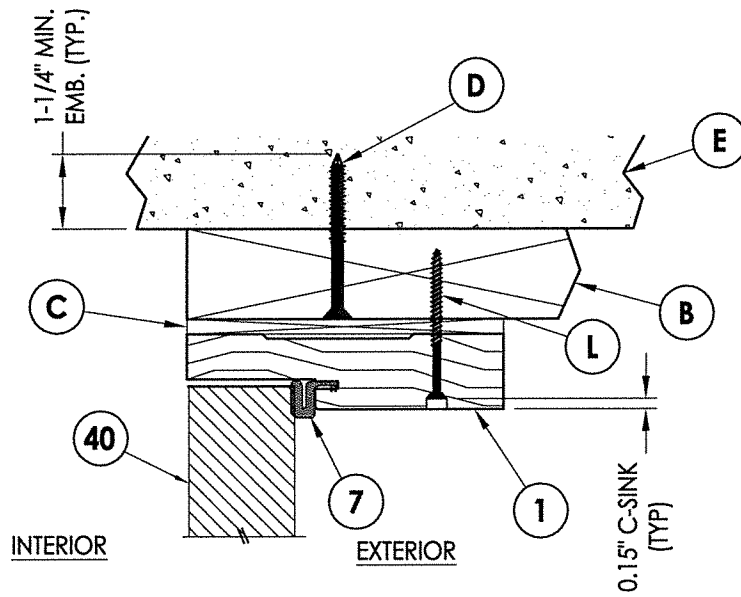
E. SCHMIDT
LICENSE

STATE OF
FLORIDA

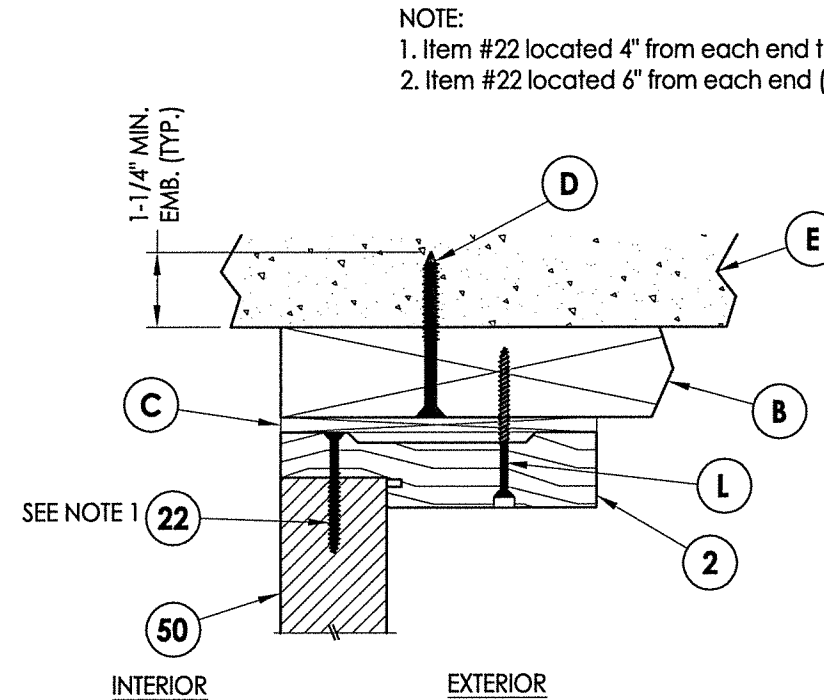
PROFESSIONAL
ENGINEER

No. 43409

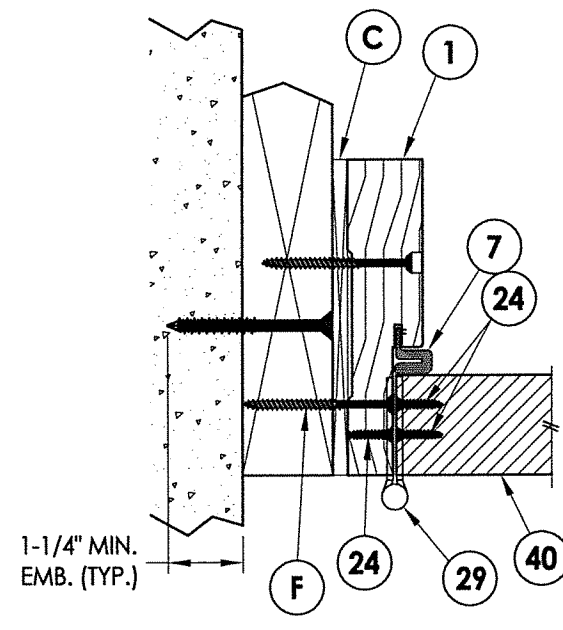
RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
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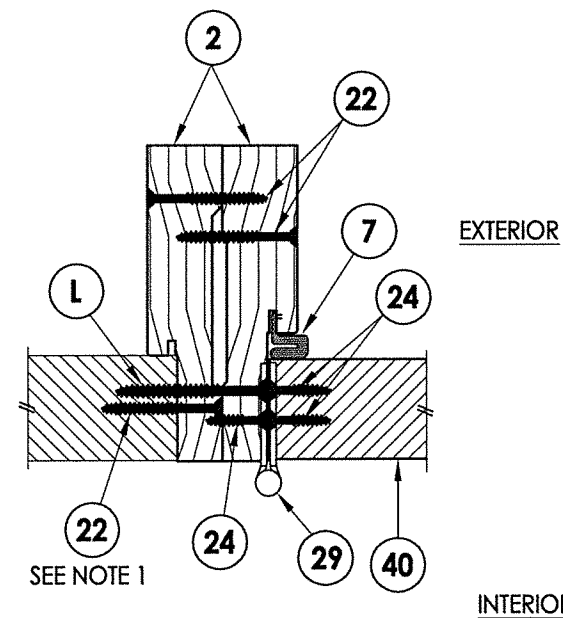
1 VERTICAL CROSS SECTION
5 Shown w/ 2X Buck
 Inswing shown (Outswing similar)



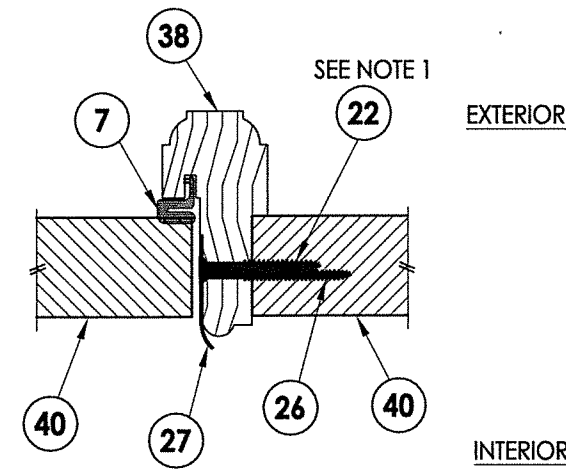
2 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Inswing shown (Outswing similar)



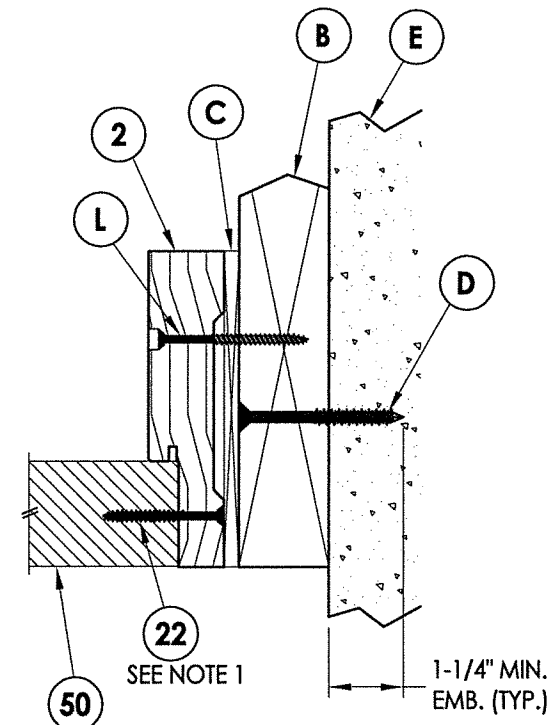
3 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
 Inswing shown (Outswing similar)



5 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Inswing shown (Outswing similar)



6 HORIZONTAL CROSS SECTION
5 Inswing shown (Outswing similar)

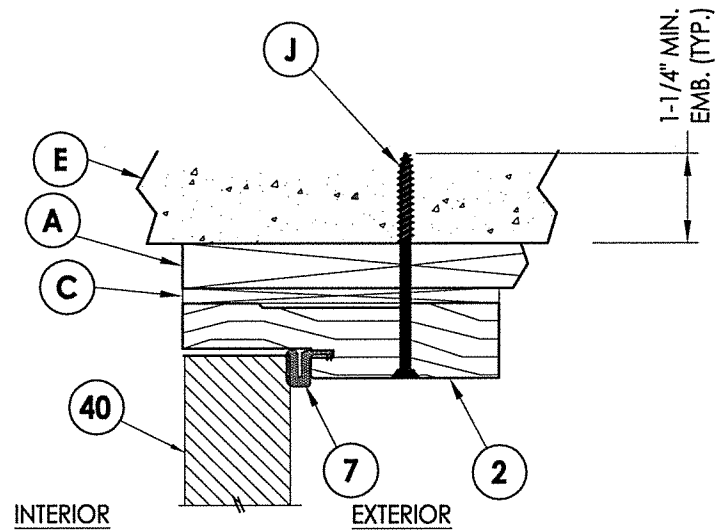


4 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
 Inswing shown (Outswing similar)

NOTE:

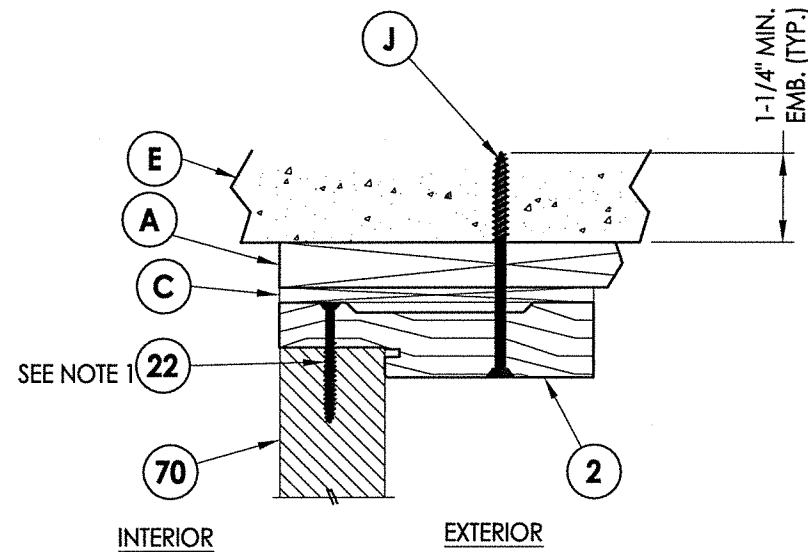
1. Item #22 located 4" from each end then 7 more (9 total).
2. Item #22 located 6" from each end (2 total).

[illegible]

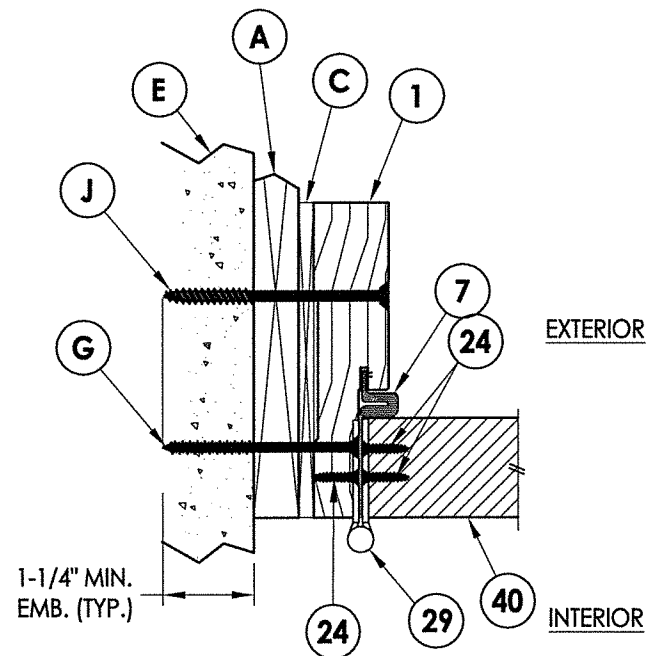


1 **VERTICAL CROSS SECTION**
6 Shown w/ 1X Buck
Inswing shown (Outswing similar)

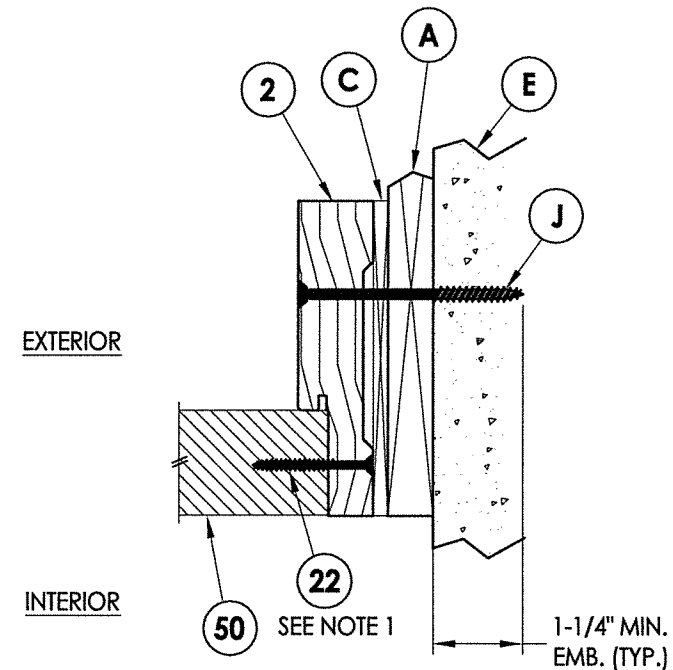
- NOTE:
1. Item #22 located 4" from each end then 7 more (9 total).
 2. Item #22 located 6" from each end (2 total).



2 **HORIZONTAL CROSS SECTION**
6 Shown w/ 1X Buck
 Inswing shown (Outswing similar)



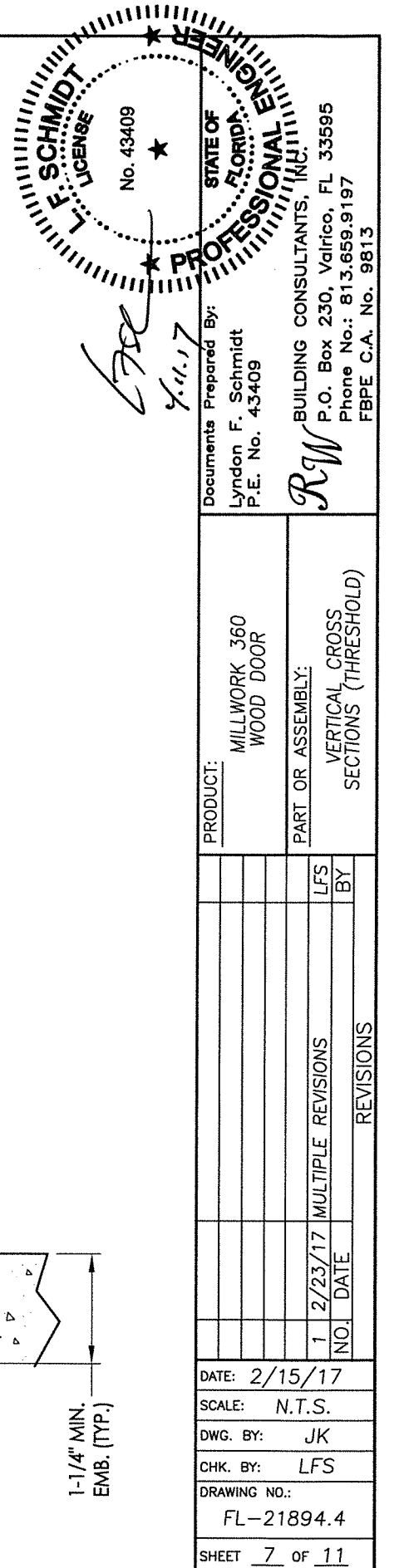
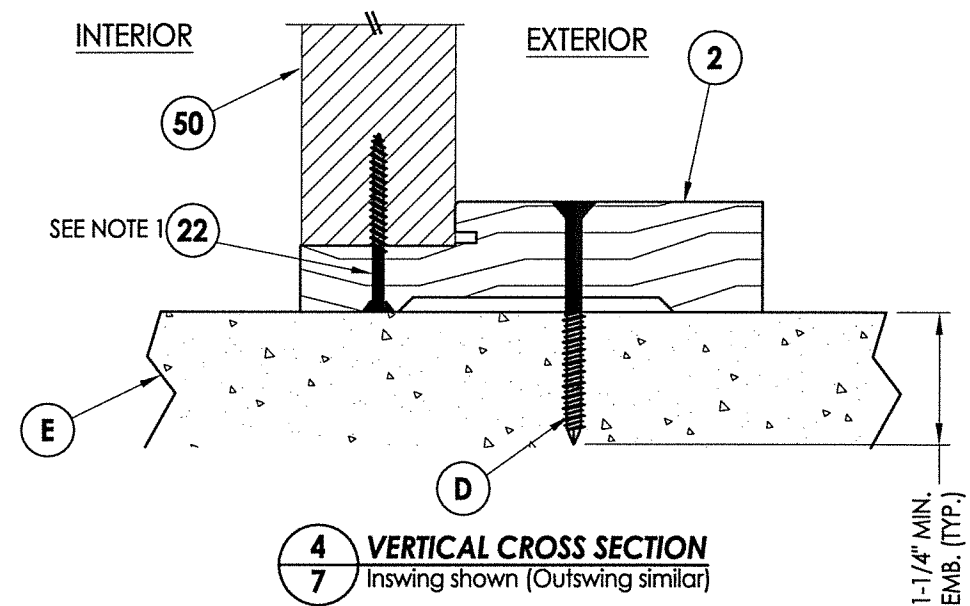
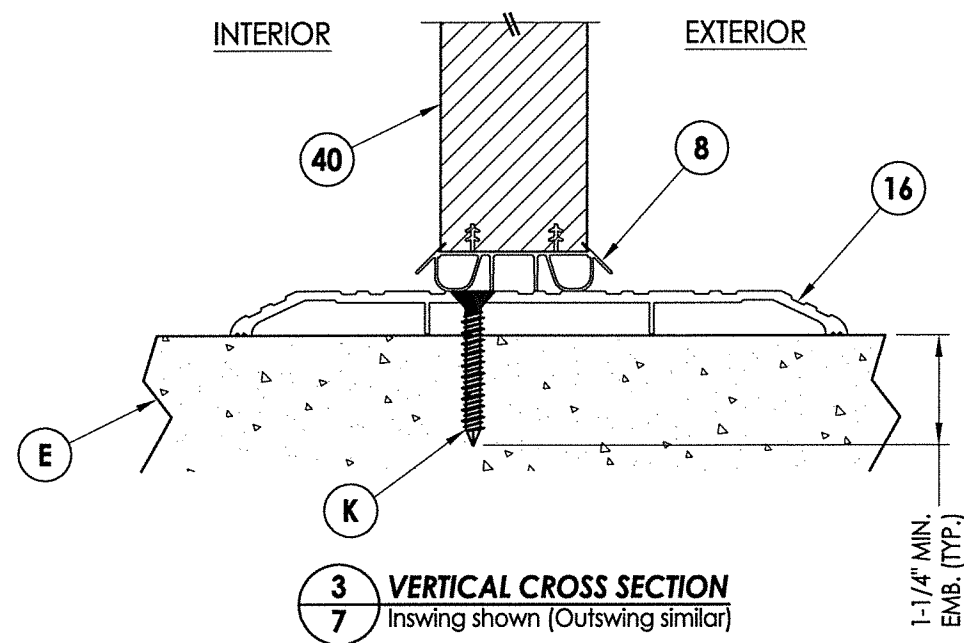
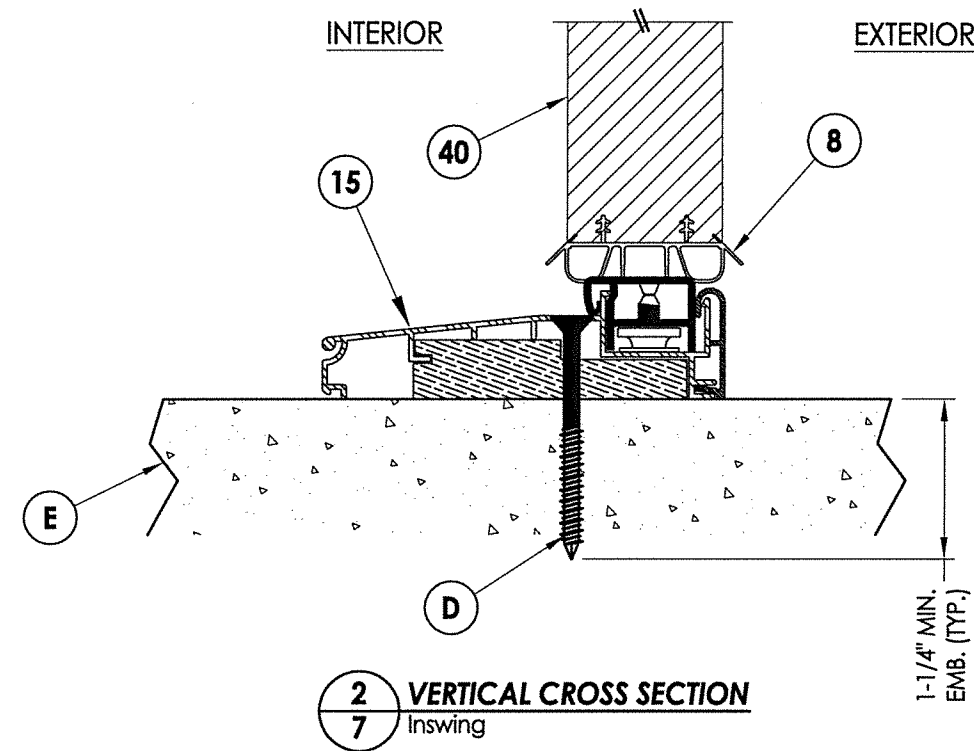
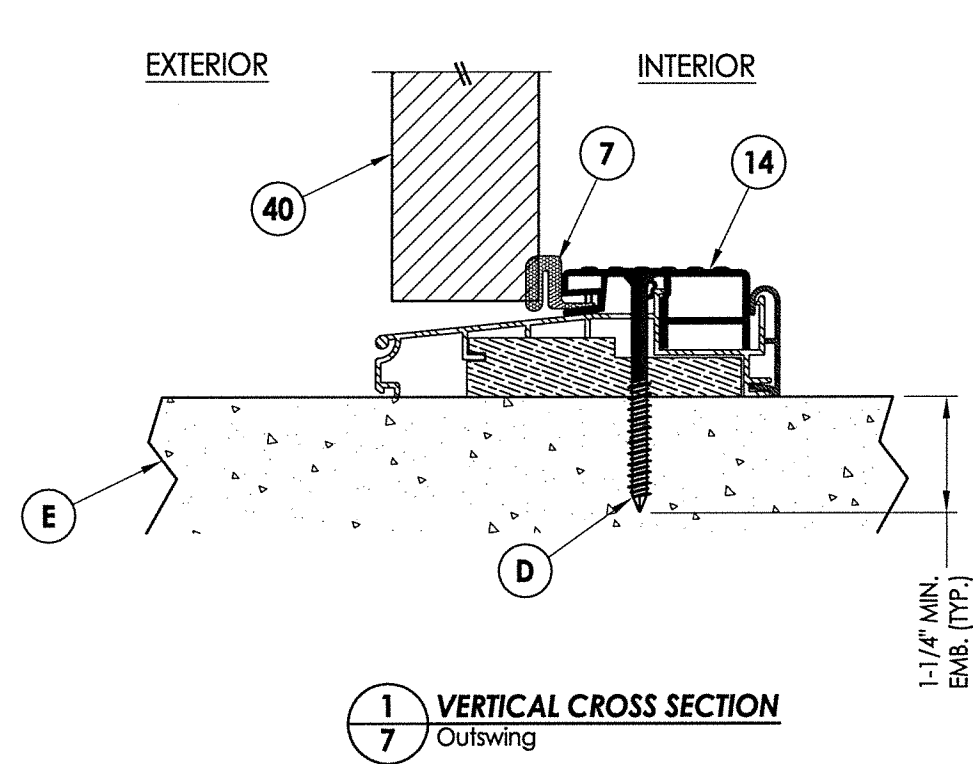
3 HORIZONTAL CROSS SECTION
6 Shown w/ 1X Buck
Inswing shown (Outswing similar)

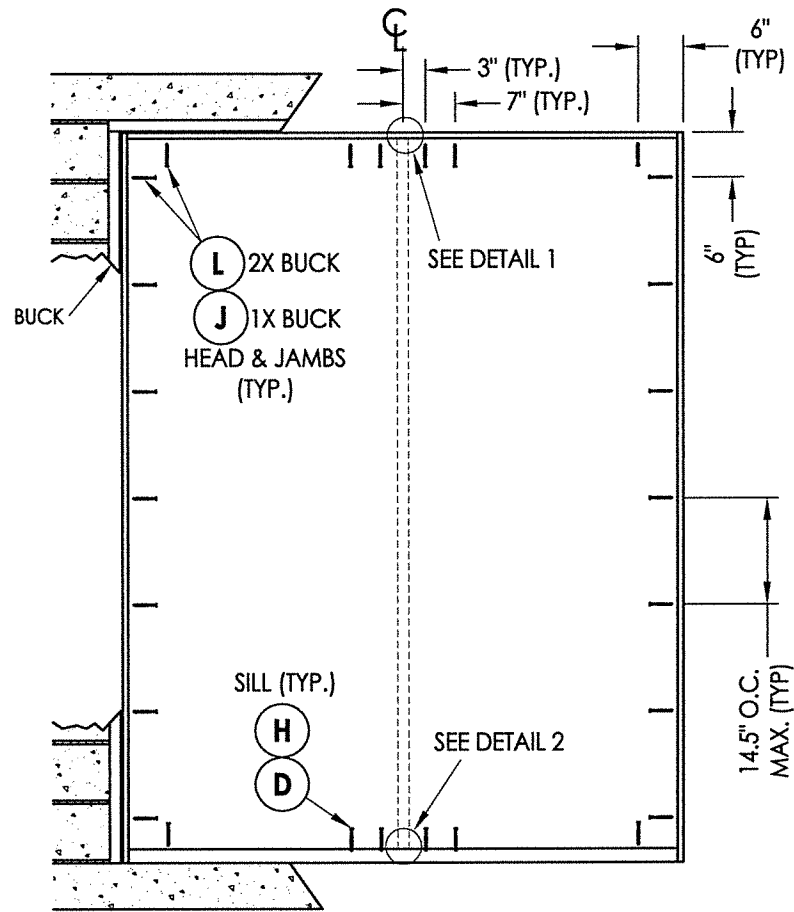


4 **HORIZONTAL CROSS SECTION**
6 Shown w/ 1X Buck
 Inswing shown (Outswing similar)

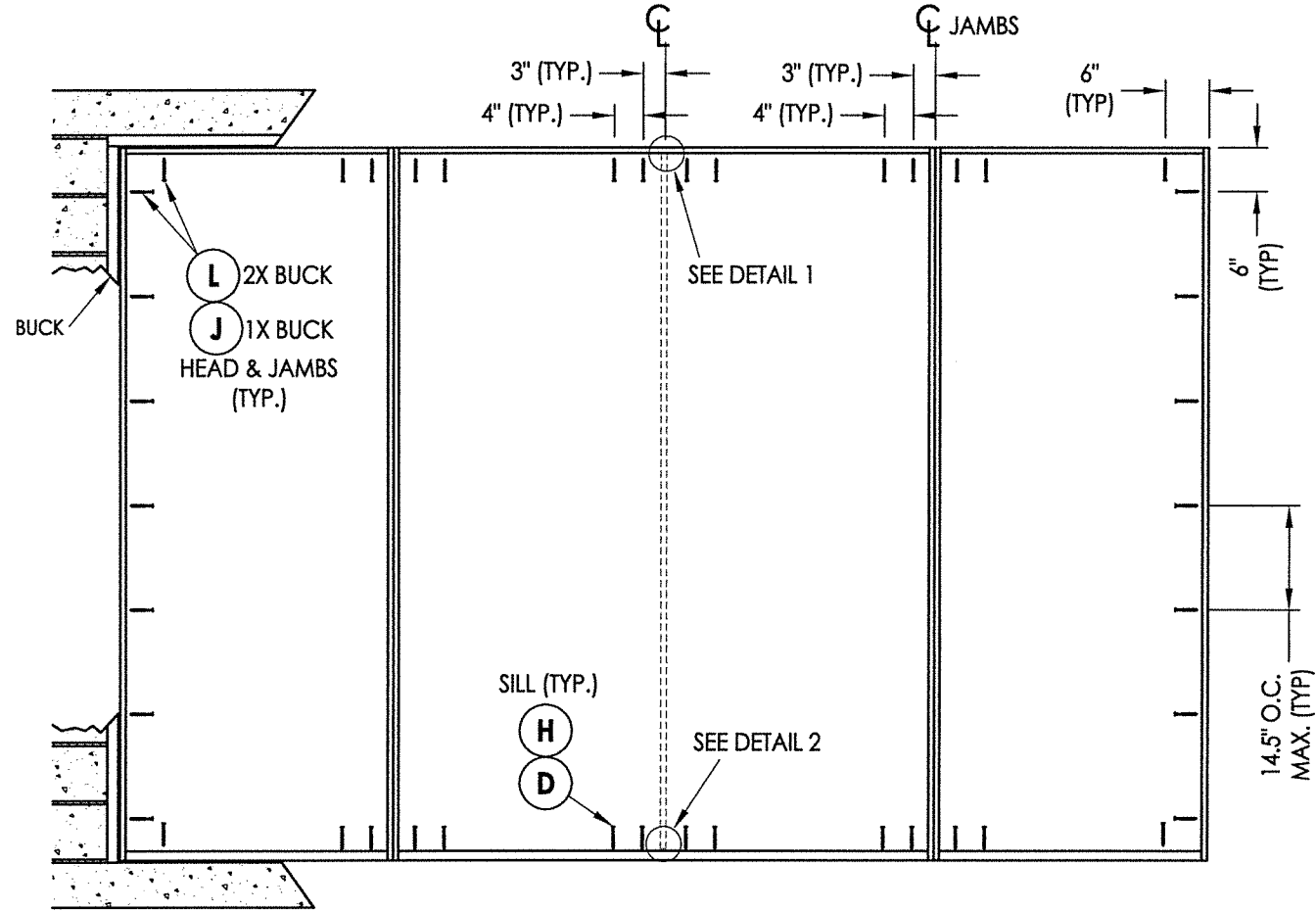
[illegible]

NOTE:
1. Item #22 located 6" from
each end (2 total).



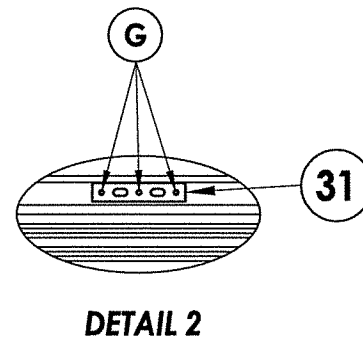
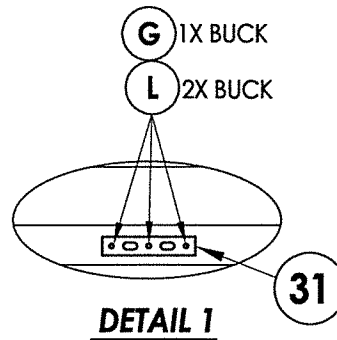


XX

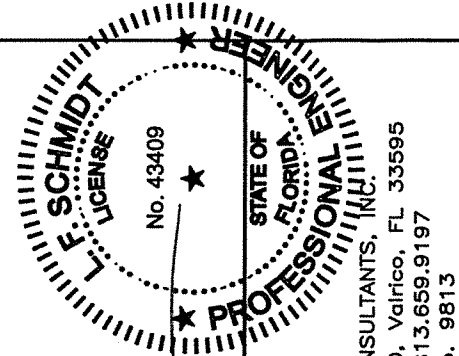


OXXO

FRAME ANCHORING



NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS @ HEAD & SILL.



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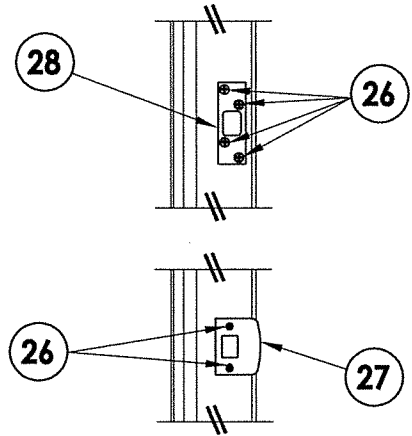
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: MILLWORK 360 WOOD DOOR

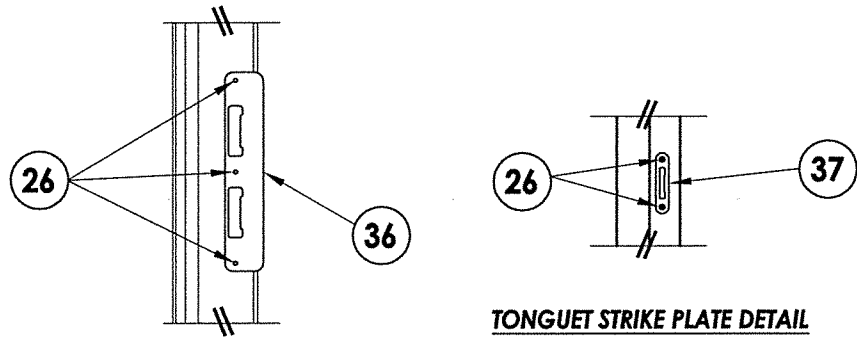
PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS

NO.	DATE	MULTIPLE REVISIONS	
		LFS	BY
1	2/23/17		

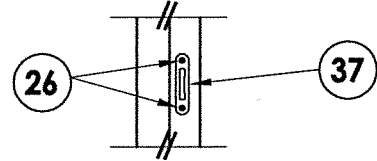
DATE: 2/15/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.4
SHEET 9 OF 11



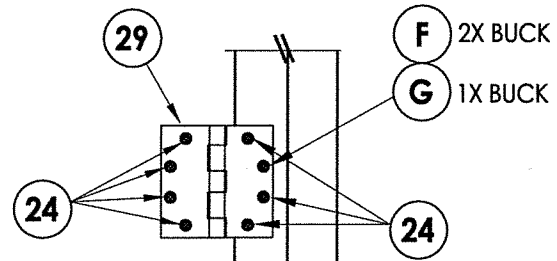
LATCH & DEADBOLT STRIKE PLATE DETAIL



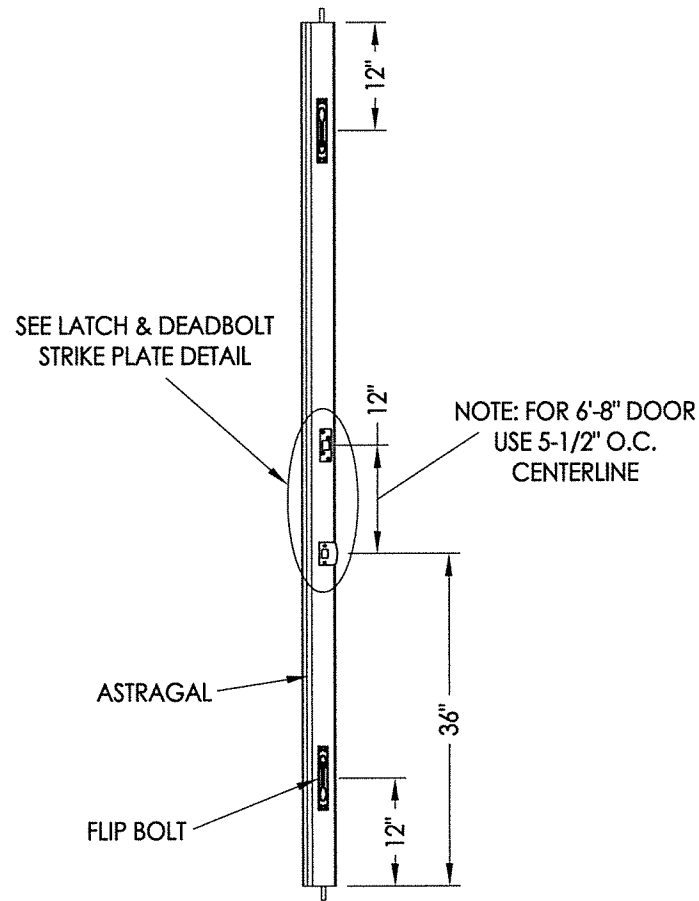
MULTIPOINT STRIKE PLATE DETAIL



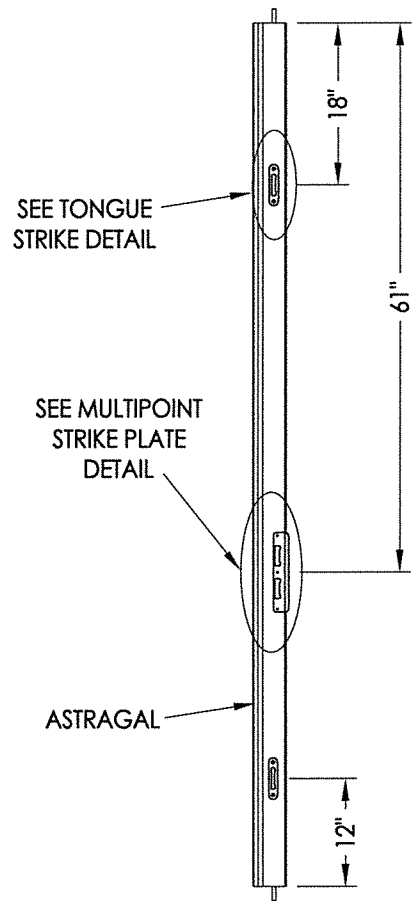
TONGUET STRIKE PLATE DETAIL



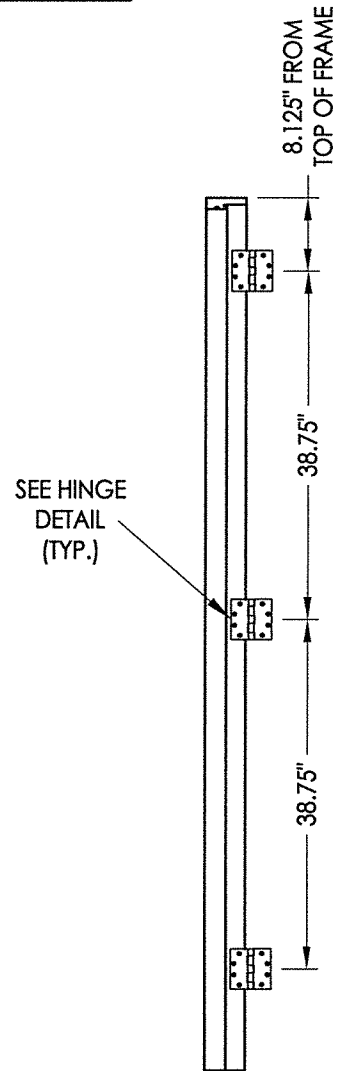
HINGE DETAIL



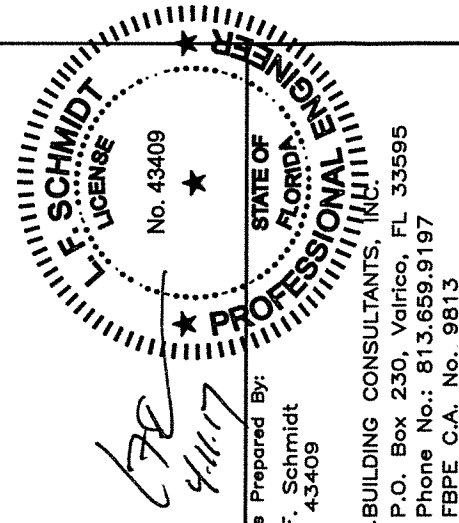
LATCH & DEADBOLT DETAILS



MULTIPOINT LOCK DETAILS



HINGE JAMB



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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 C.A. No. 9813

PRODUCT: MILLWORK 360 WOOD DOOR
PART OR ASSEMBLY: HARDWARE DETAILS

REVISIONS	
NO.	DATE
1	2/23/17
MULTIPLE REVISIONS	
LFS	BY

DATE: 02/15/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.4
SHEET 10 OF 11

R:\Clients\Millwork 360\A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891 (2014)\FL-21891.4-5.dwg, 11.4

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	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	#12 X 2-1/2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
K	1/4" X 1-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
1	JAMB (Door)	WOOD
2	JAMB (Sidelite)	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
14	OUTSWING THRESHOLD	ALUM/COMP
15	INSWING THRESHOLD	ALUM/COMP
16	ADA THRESHOLD	ALUM
22	#10 X 2" PFH WOOD SCREW	STEEL
24	#12 x 1" PFH WOOD SCREW	STEEL
26	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT SECURITY STRIKE PLATE	STEEL
29	4.5" X 4.5" HINGE	STEEL
31	MULTIPOINT LOCK SHOOTBOLT STRIKE PLATE	STEEL
36	MULTIPOINT LOCK STRIKE PLATE	STEEL
37	MULTIPOINT LOCK TONGUE STRIKE PLATE	STEEL
38	ASTRAGAL	WOOD
40	DOOR PANEL	-
50	SIDELITE PANEL	-

WOOD FRAME COMPONENTS: SIPO (UTILE) (G = 0.53)

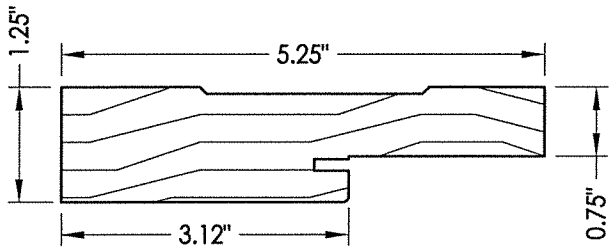
CONCRETE ANCHOR NOTES:

- 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:

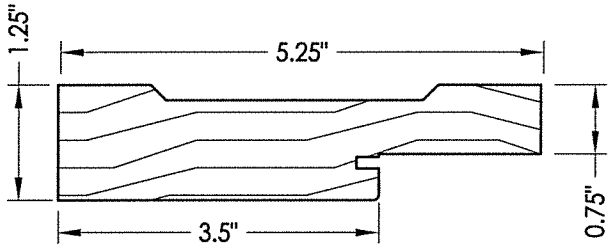
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

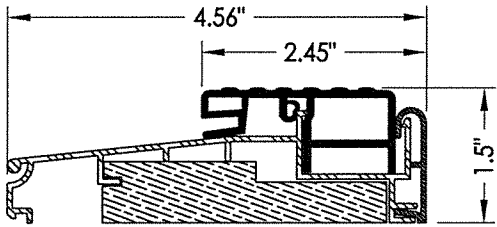
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



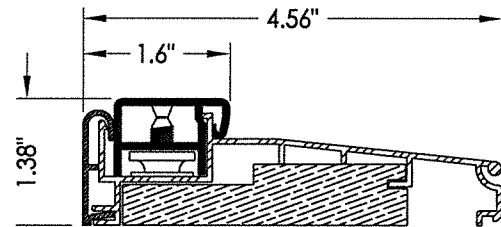
1 WOOD JAMB
(Door)



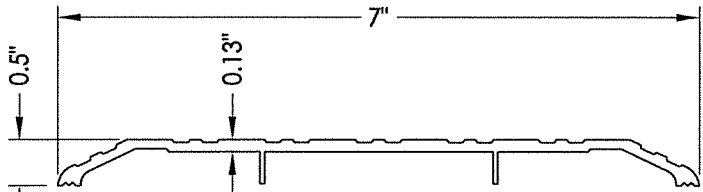
2 WOOD JAMB
(Sidelite)



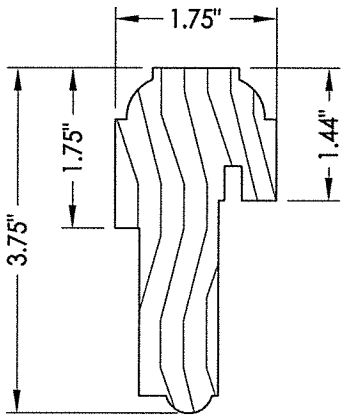
14 OUTSWING THRESHOLD
WORLDWIDE



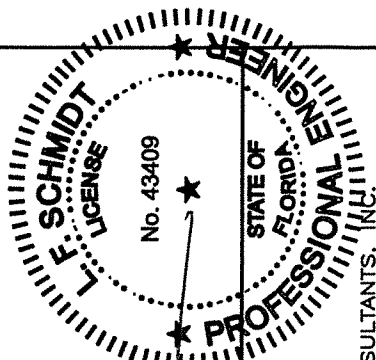
15 INSWING THRESHOLD
WORLDWIDE



16 ADA THRESHOLD



38 ASTRAGAL



Documents Prepared By:
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P.E. No. 43409

PRODUCT: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	MULTIPLE REVISIONS		REVISIONS
		LFS	BY	
1	2/23/17			

DATE: 2/15/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21891.4

SHEET 11 OF 11