

R:\Clients\International Wood Trade A - Florida Product Approvals\FL-20800 Swinging Exterior Door Assemblies\C - Drawings\FL-20800 (2014)\FL-20800.1-3.dwg, FL-20800.3

# INTERNATIONAL WOOD TRADE

## WOOD GLAZED OR OPAQUE DOUBLE DOOR

### INSWING/OUTSWING "NON-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 is required to be protected with an impact resistant covering that complies with Section 1609.1.2 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.

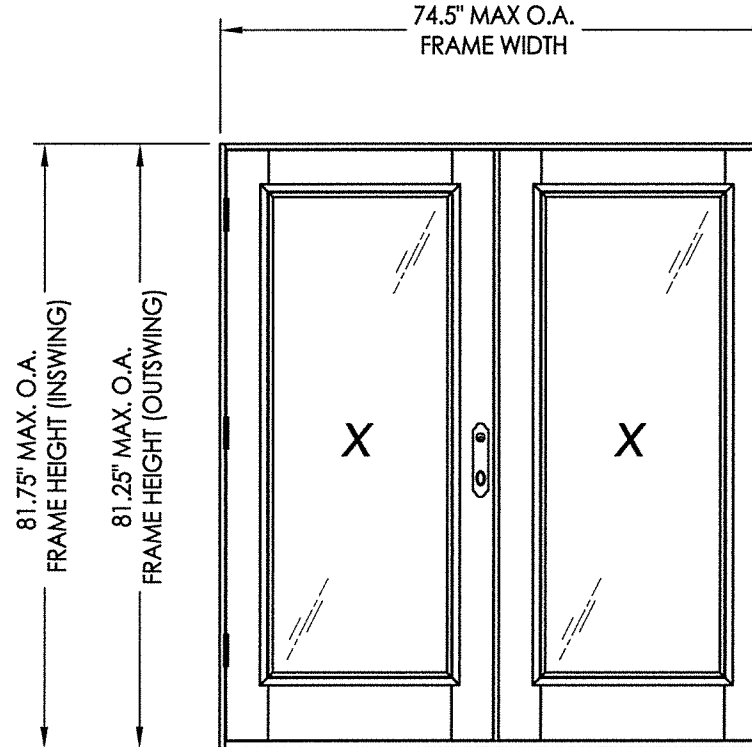


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5	Horizontal & Vertical Cross Sections (1X Buck)
6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Buck & Frame Anchoring
9	Hardware Details
10	Bill of Materials & Components

CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	Lock & Deadbolt*	+40.0	-50.0	+40.0	-40.0
XX	Multipoint*	+40.0	-50.0	+40.0	-40.0

\*See Sheet 3 for Hardware Specifications

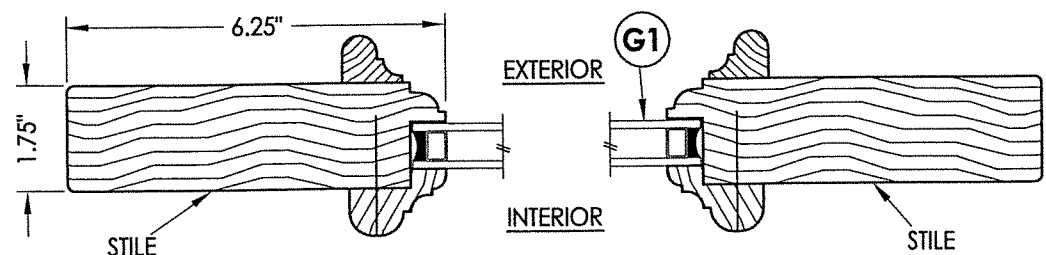
8.24.16

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

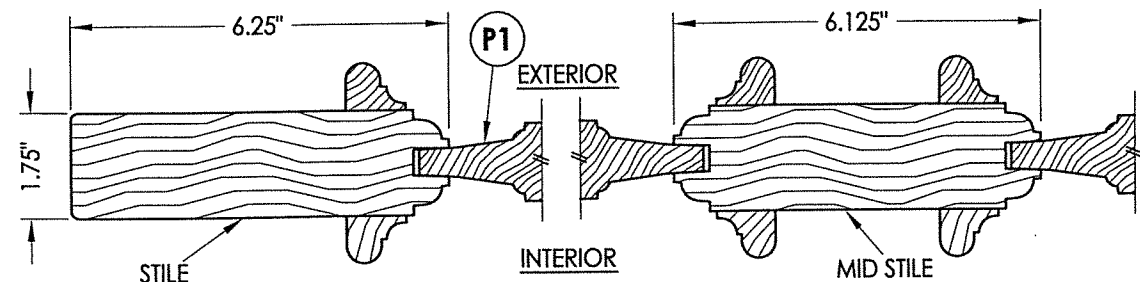
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE C.A. No. 9813

<p>PRODUCT: INTERNATIONAL WOOD TRADE WOOD DOOR</p> <p>PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES &amp; GENERAL NOTES</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> <p style="text-align: center;">REVISIONS</p>	NO.	DATE	BY															
NO.	DATE	BY																	
<p>DATE: 8/10/16</p> <p>SCALE: N.T.S.</p> <p>DWG. BY: JK</p> <p>CHK. BY: LFS</p> <p>DRAWING NO.: FL-20800.3</p> <p>SHEET <u>1</u> OF <u>10</u></p>																			

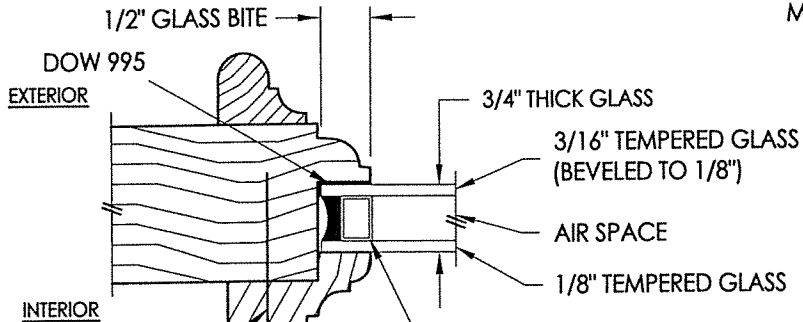
R:\Clients\International Wood Trade\A - Florida Product Approvals\FL-20800 Swinging Exterior Door Assemblies\C - Drawings\FL-20800.1-3.dwg, 2.3



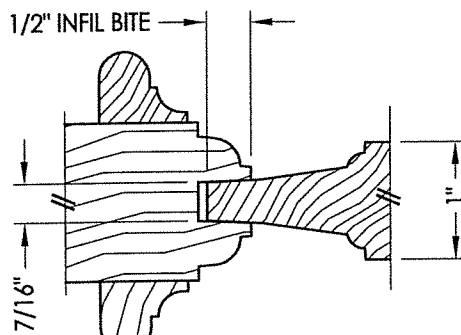
1  
2 HORIZONTAL CROSS SECTION



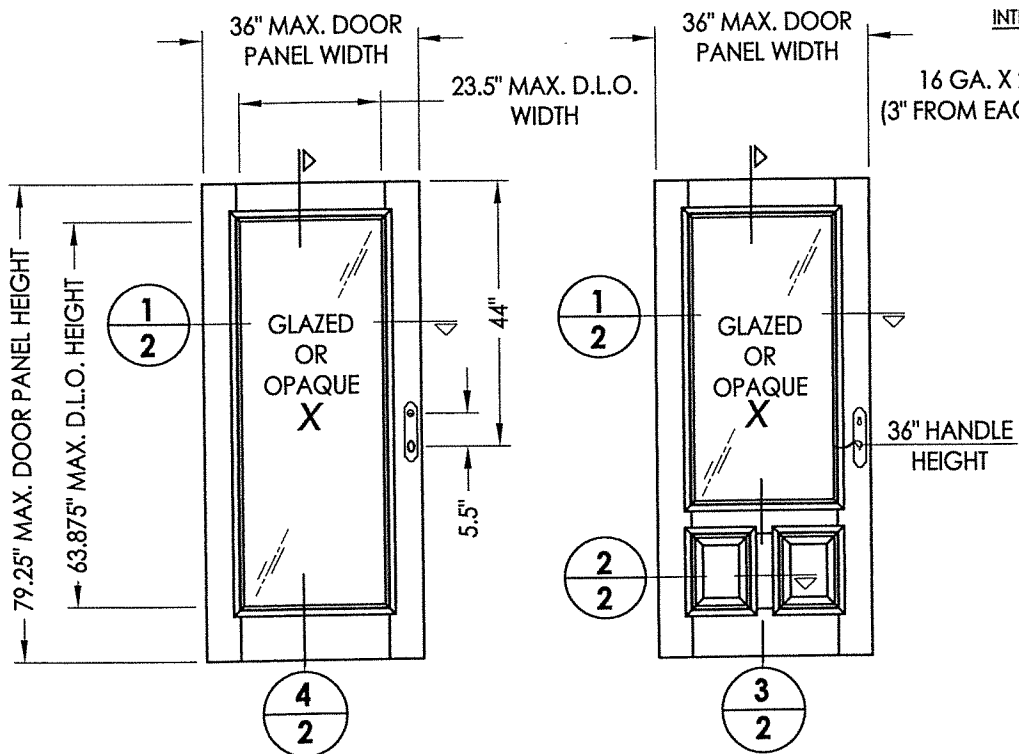
2  
2 HORIZONTAL CROSS SECTION



G1 GLAZING DETAIL

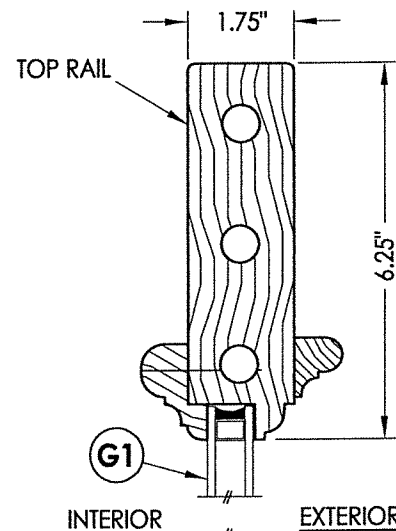


P1 PANEL INFIL DETAIL

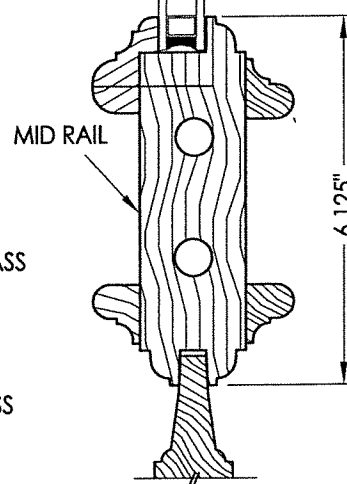


40 WOOD DOOR PANELS  
Glazed or Opaque

ALL WOOD DOOR COMPONENTS: SAPELE (G => 0.55)

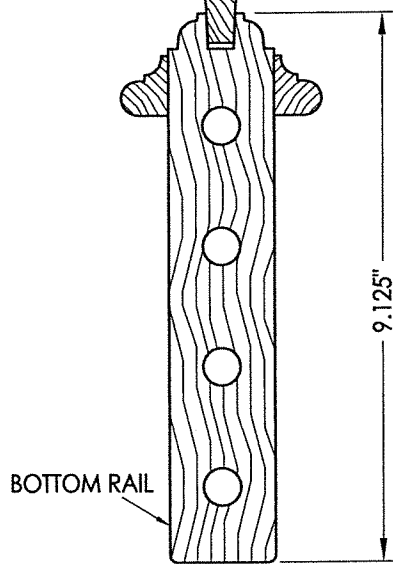


G1 INTERIOR EXTERIOR

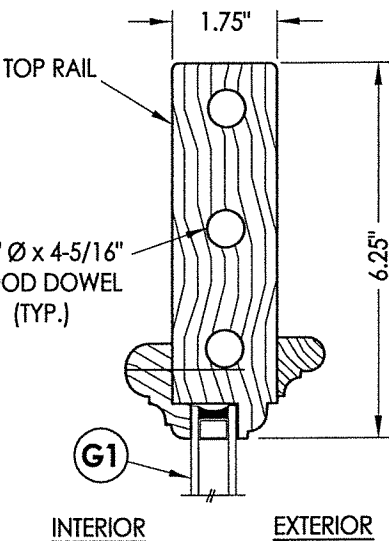


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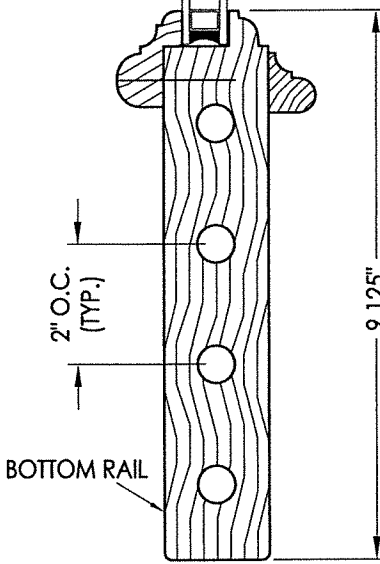
3  
2 VERTICAL CROSS SECTION



G1 INTERIOR EXTERIOR

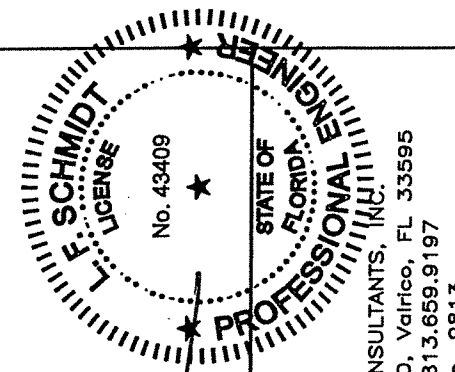


G1 INTERIOR EXTERIOR



G1 INTERIOR EXTERIOR

4  
2 VERTICAL CROSS SECTION



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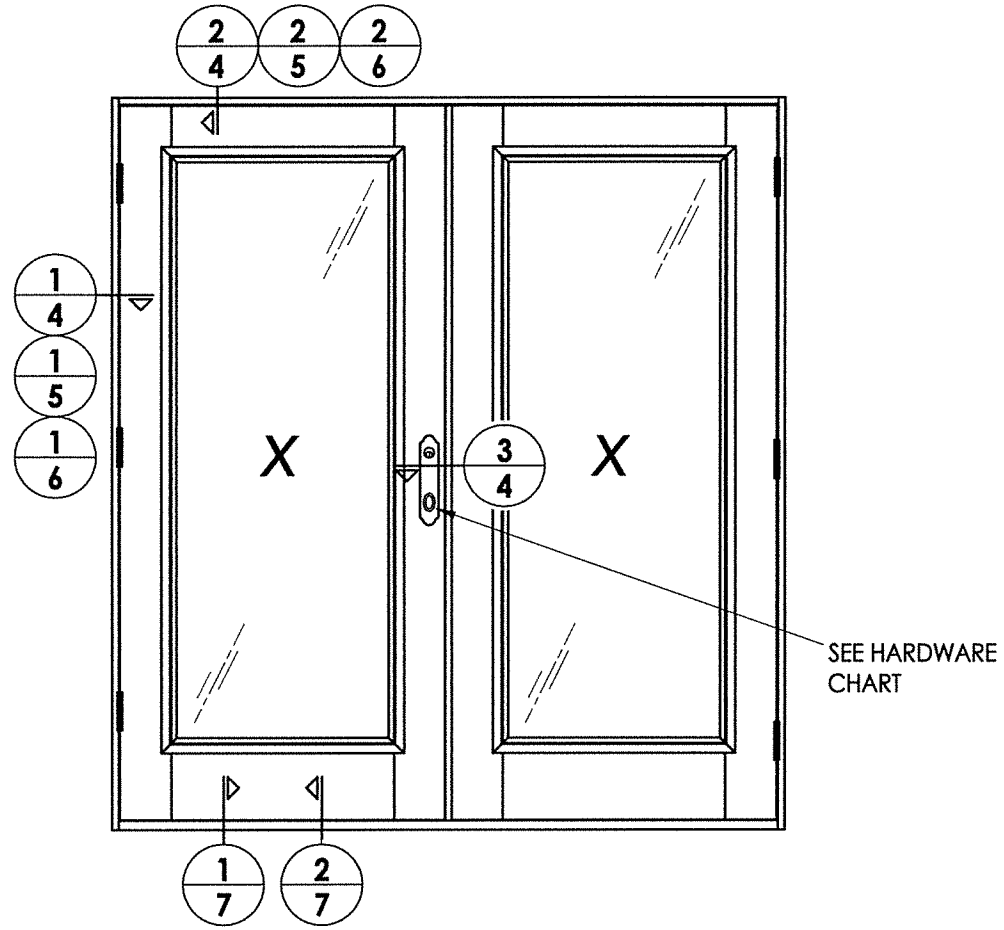
PRODUCT:  
INTERNATIONAL WOOD TRADE  
WOOD DOOR

PART OR ASSEMBLY:  
DOOR PANEL  
DETAILS

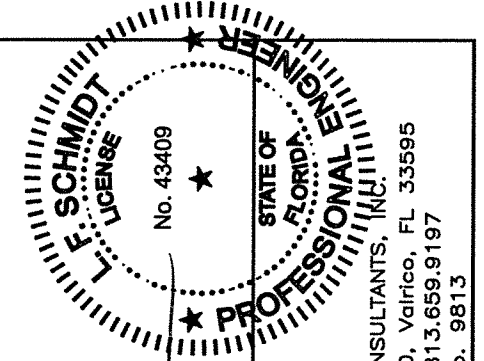
NO.	DATE	BY	REVISIONS

DATE: 8/10/16  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-20800.3

SHEET 2 OF 10



HARDWARE TABLE	
MANUFACTURER	MODEL
RIDGECREST (SURE-LOC)	ACTIVE DOOR HANDLE SET LOCK & DEADBOLT: RUSTIC SERIES
G-U	ACTIVE DOOR MULTIPOINT LOCK (3-pt Shootbolt): SECURY S-BOLT LOCKING SYSTEM (6-36928-01-0-8B)  MORTISE LOCK TRIM: EMTEK
G-U	INACTIVE DOOR ASTRAGAL FLIP BOLT MORTISE LOCK (6-C7250-19-0-0)



*LFS*  
8/24/16

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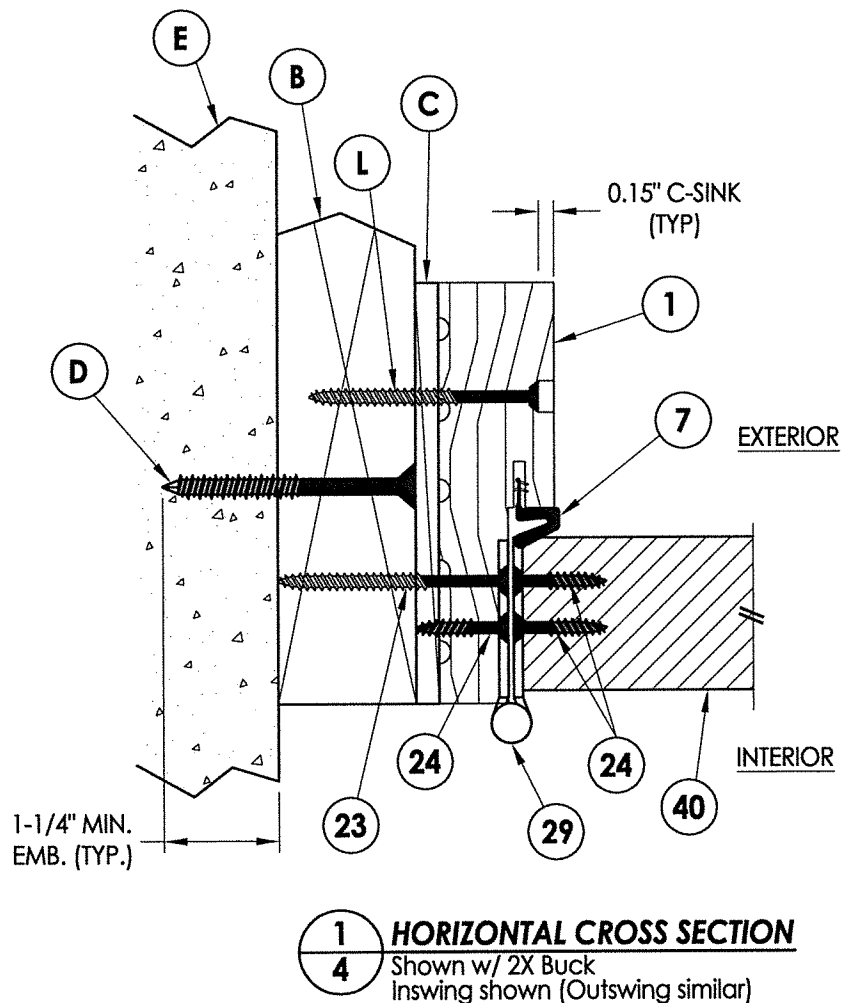
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PRODUCT:  
INTERNATIONAL WOOD TRADE  
WOOD DOOR

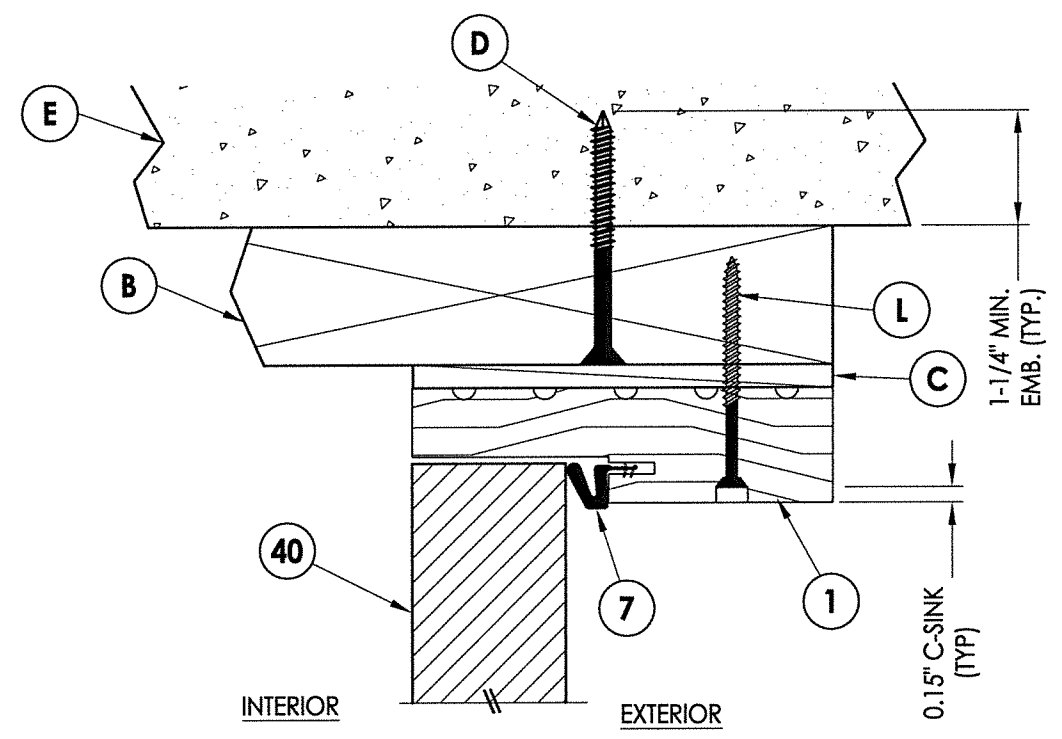
PART OR ASSEMBLY:  
ELEVATIONS

NO.	DATE	BY	REVISIONS

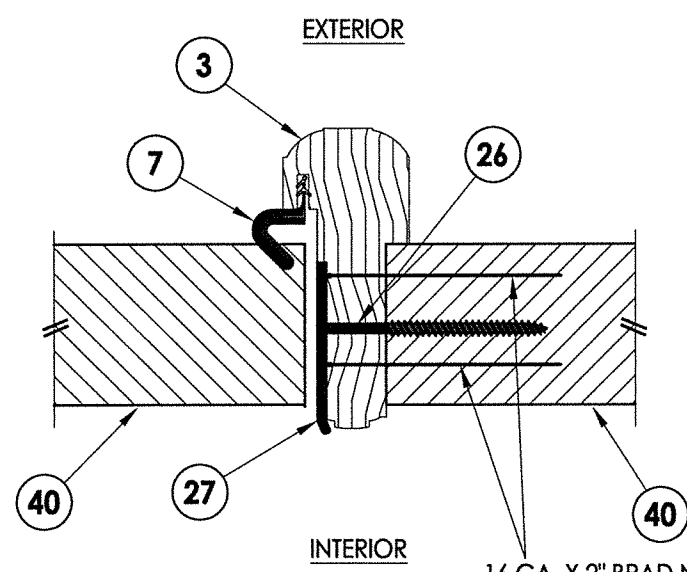
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CHK. BY: LFS  
DRAWING NO.: FL-20800.3  
SHEET 3 of 10



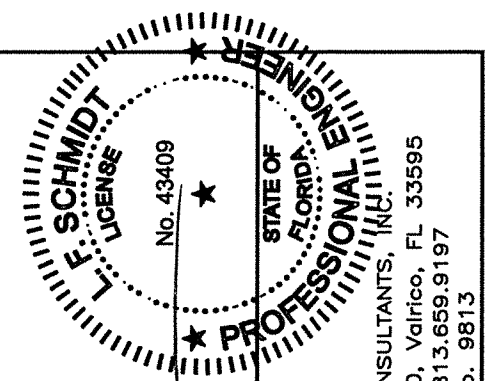
**1 HORIZONTAL CROSS SECTION**  
 4 Shown w/ 2X Buck  
 Inswing shown (Outswing similar)



**2 VERTICAL CROSS SECTION**  
 4 Shown w/ 2X Buck  
 Inswing shown (Outswing similar)



**3 HORIZONTAL CROSS SECTION**  
 4 Inswing shown (Outswing similar)



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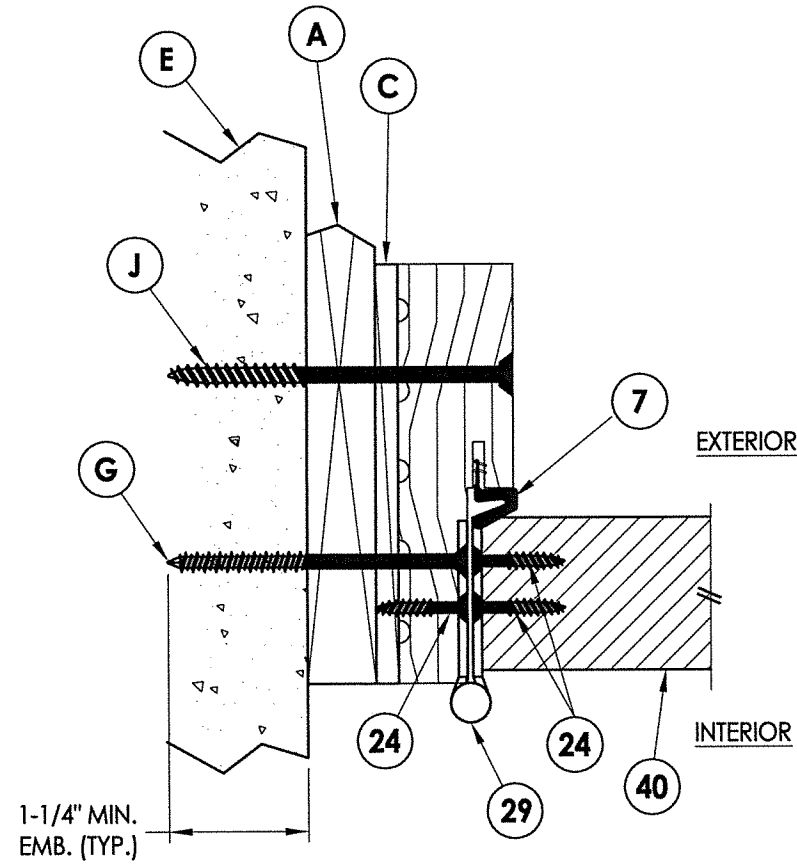
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PRODUCT:  
 INTERNATIONAL WOOD TRADE  
 WOOD DOOR

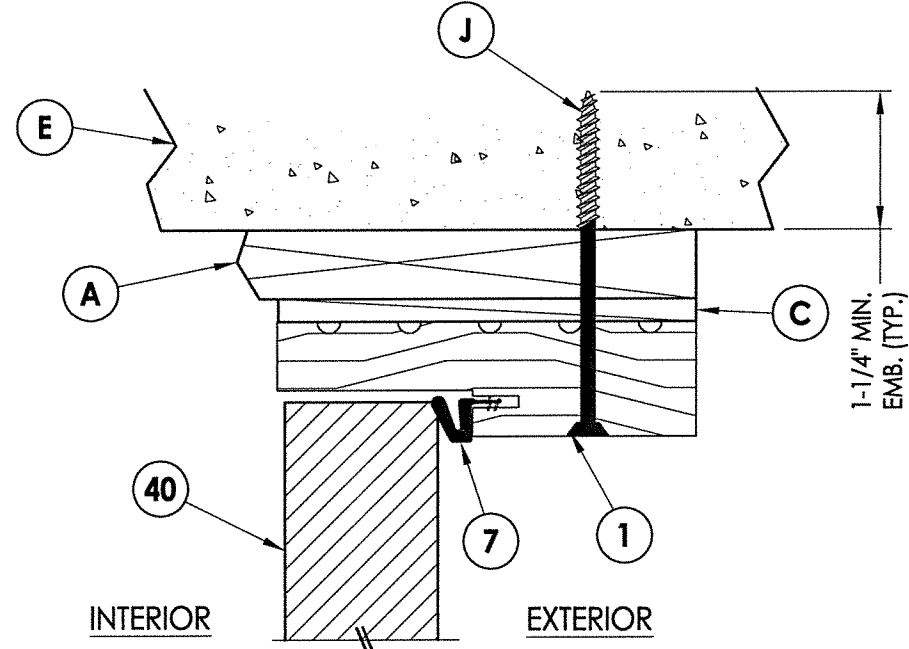
PART OR ASSEMBLY:  
 HORIZONTAL & VERTICAL  
 CROSS SECTIONS (2X BUCK)

NO.	DATE	BY	REVISIONS

DATE: 8/10/16  
 SCALE: N.T.S.  
 DWG. BY: JK  
 CHK. BY: LFS  
 DRAWING NO.:  
 FL-20800.3  
 SHEET 4 OF 10



**1 HORIZONTAL CROSS SECTION**  
 5 Shown w/ 1X sub-buck  
 Inswing shown (Outswing similar)



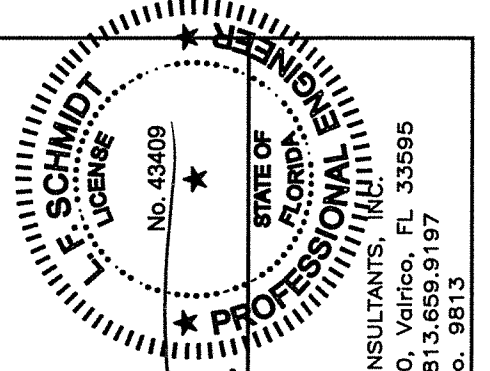
**2 VERTICAL CROSS SECTION**  
 5 Shown w/ 1X sub-buck  
 Inswing shown (Outswing similar)

DATE:	8/10/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20800.3
SHEET	5 OF 10

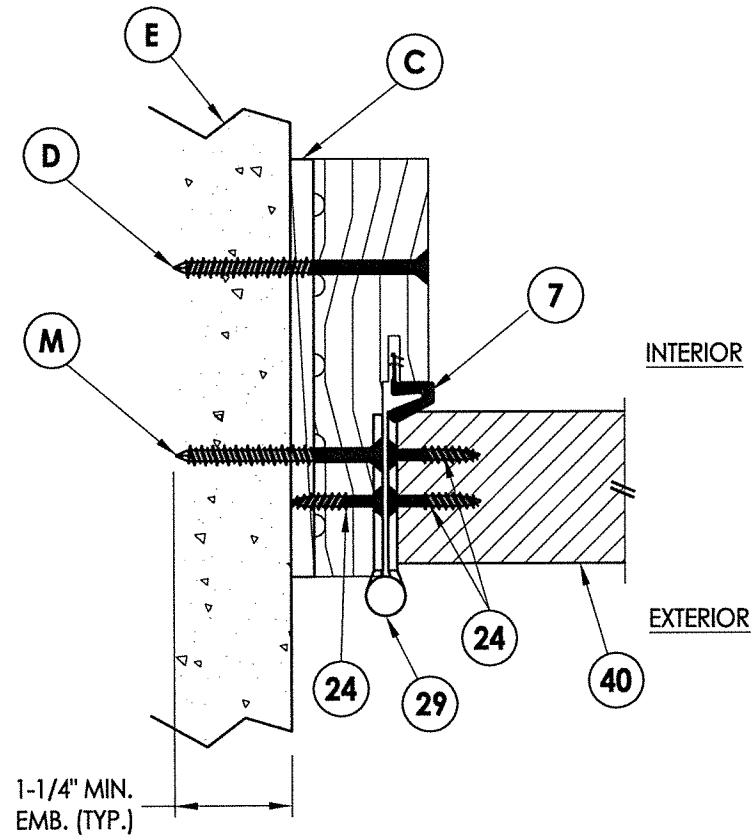
REVISIONS	
NO.	DATE

PRODUCT:	INTERNATIONAL WOOD TRADE WOOD DOOR
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

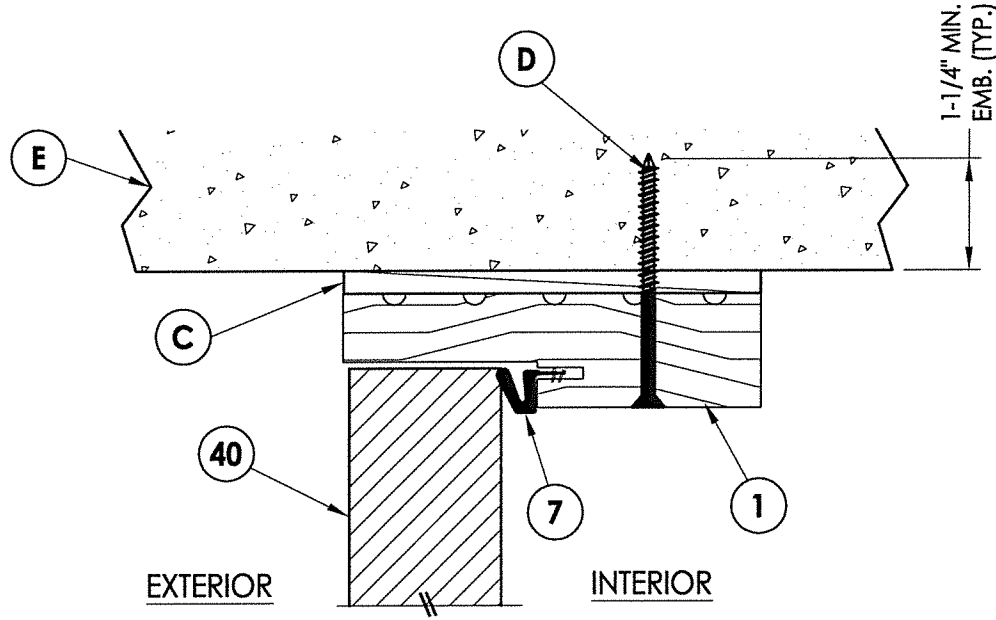
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**1 HORIZONTAL CROSS SECTION**  
 6 Shown Direct to Masonry  
 Outswing only



**2 VERTICAL CROSS SECTION**  
 6 Shown Direct to Masonry  
 Outswing only

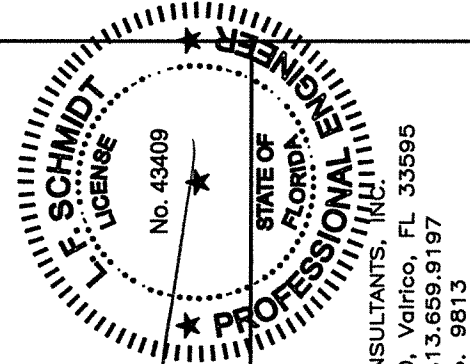
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CHK. BY:	LFS
DRAWING NO.:	FL-20800.3
SHEET	6 of 10

NO.	DATE	BY	REVISIONS

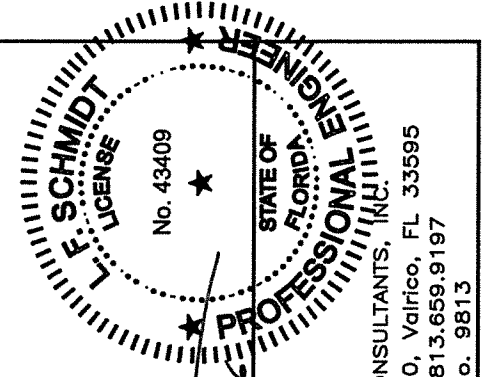
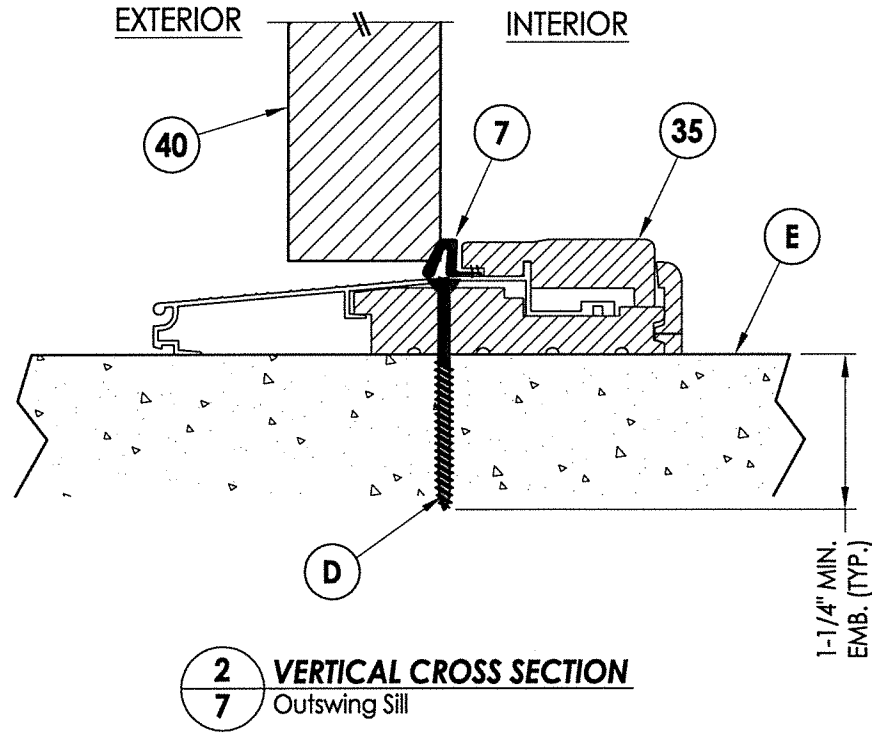
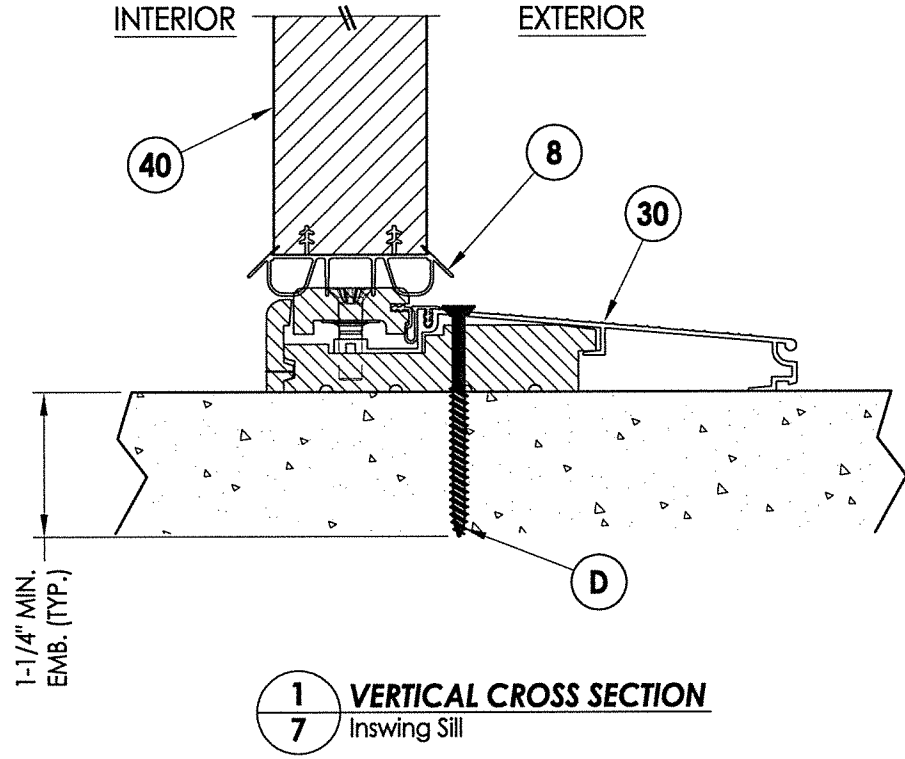
PRODUCT:  
 INTERNATIONAL WOOD TRADE  
 WOOD DOOR

PART OR ASSEMBLY:  
 HORIZONTAL & VERTICAL CROSS  
 SECTIONS (DIRECT TO MASONRY)

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P.E. No. 43409

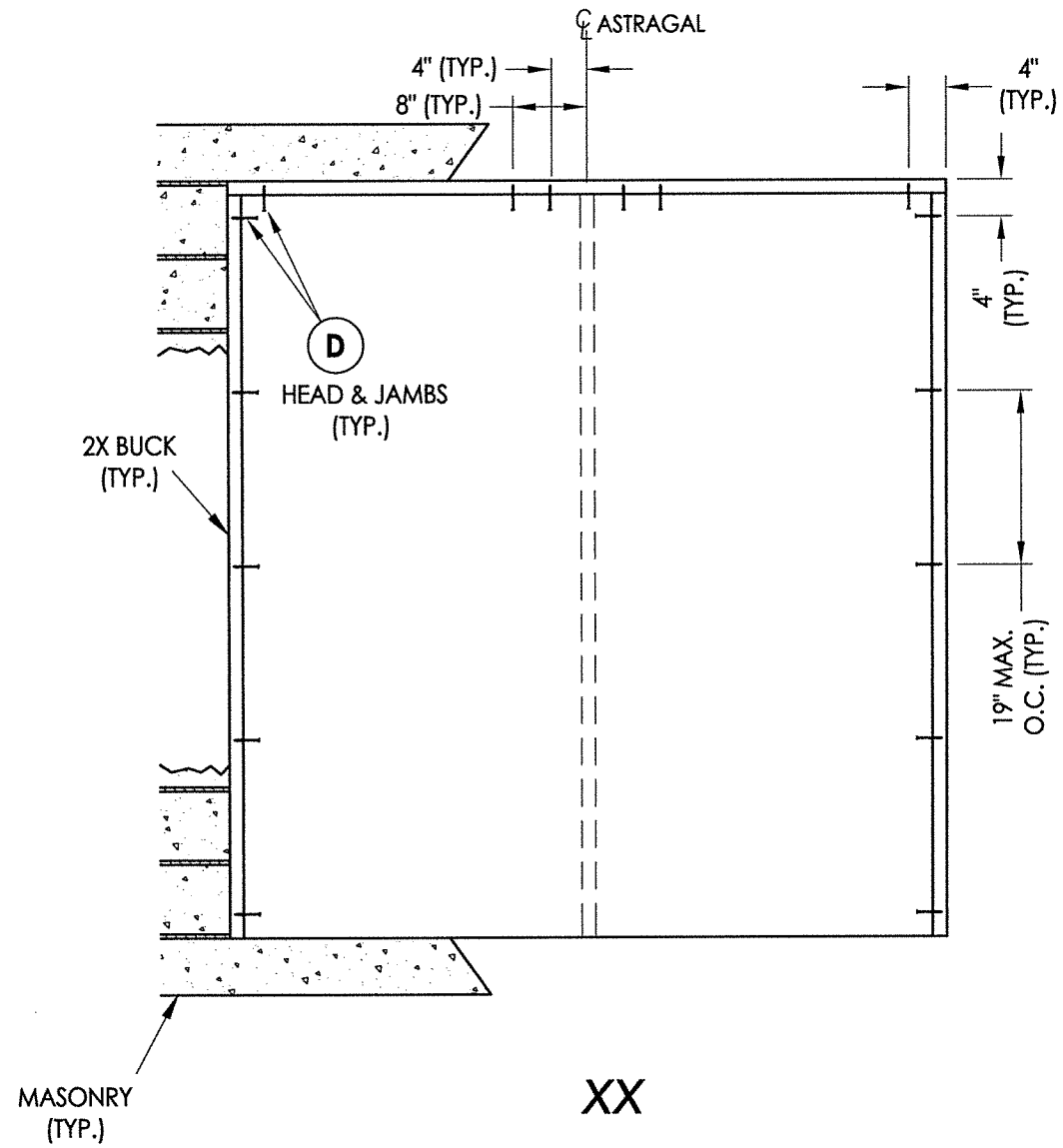
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Phone No.: 813.659.9197  
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PRODUCT:  
INTERNATIONAL WOOD TRADE  
WOOD DOOR

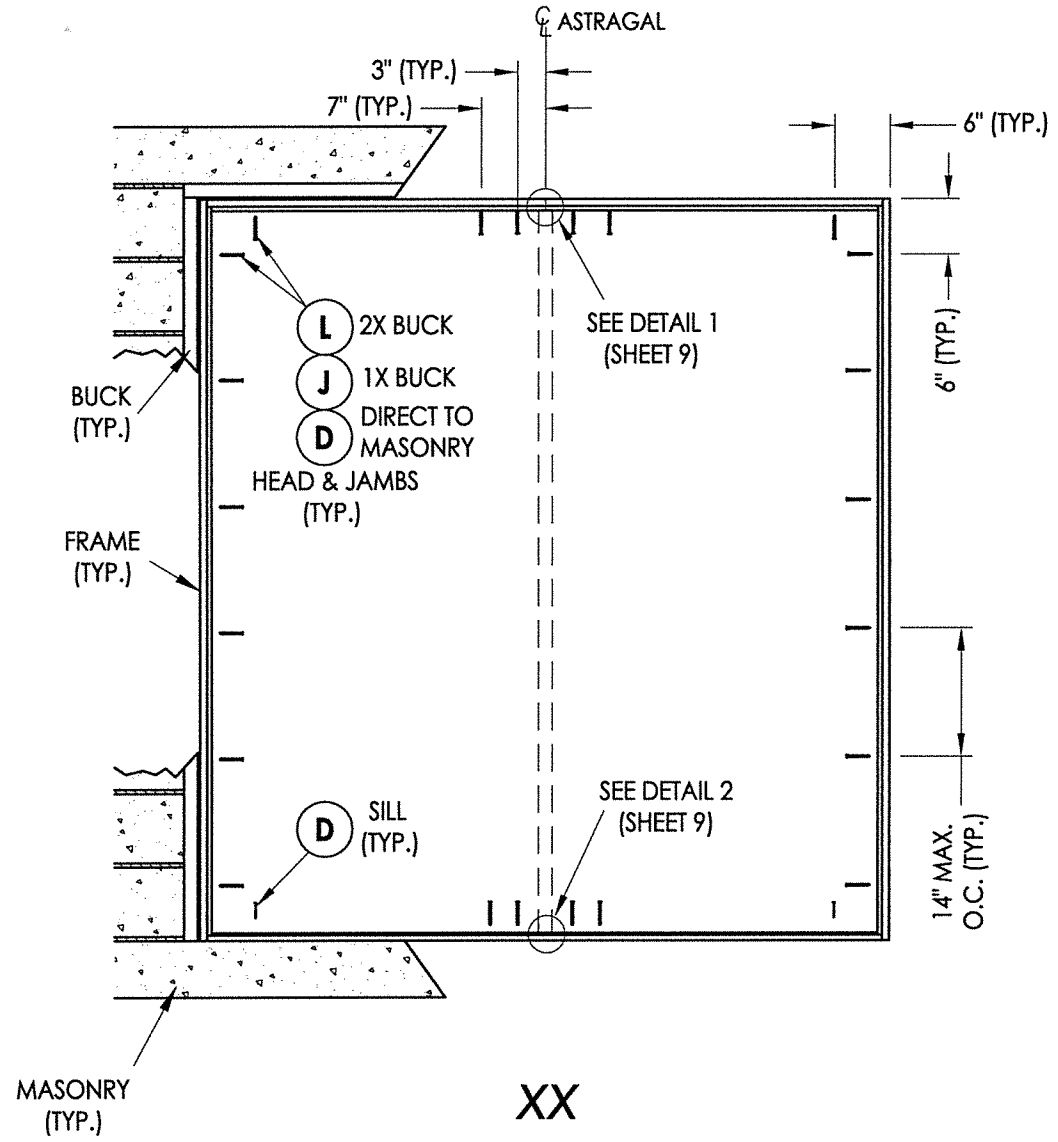
PART OR ASSEMBLY:  
VERTICAL CROSS  
SECTIONS (THRESHOLDS)

NO.	DATE	BY

DATE: 8/10/16  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.:  
FL-20800.3  
SHEET 7 OF 10



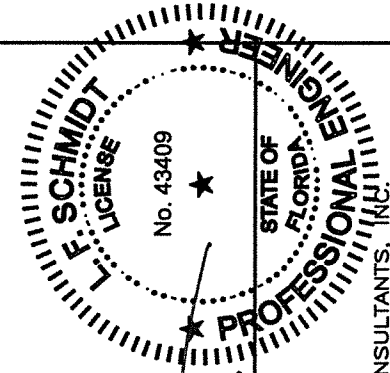
**2X BUCK ANCHORING**



**FRAME ANCHORING**

**NOTE:**

1. ALL FRAME CORNERS SECURED WITH (3) #8 X 3" FH WOOD SCREWS @ HEAD & SILL.



*LFS*  
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PRODUCT:	INTERNATIONAL WOOD TRADE WOOD DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

NO.	DATE	BY	REVISIONS

DATE: 8/10/16

SCALE: N.T.S.

DWG. BY: JK

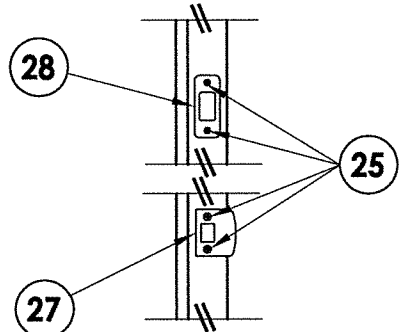
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DRAWING NO.:  
FL-20800.3

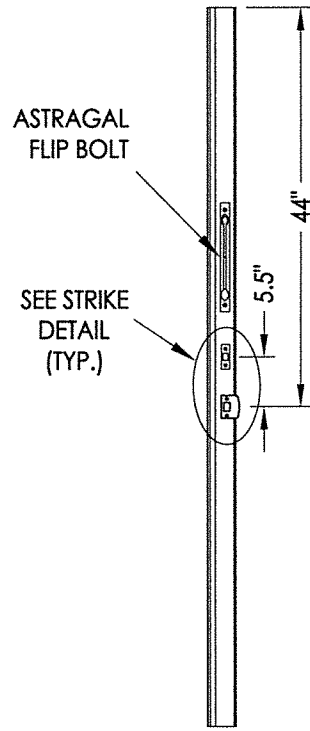
SHEET 8 OF 10



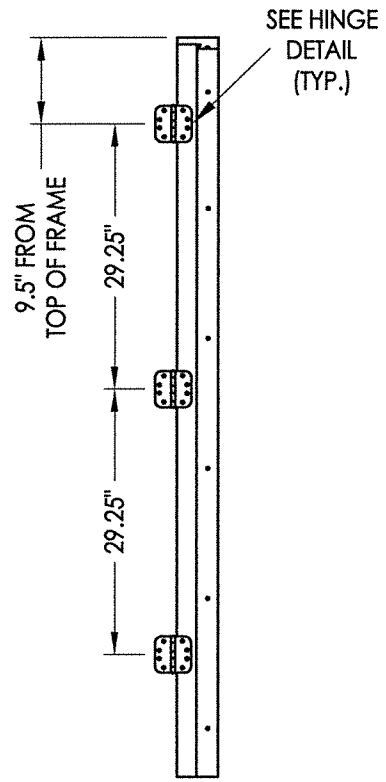
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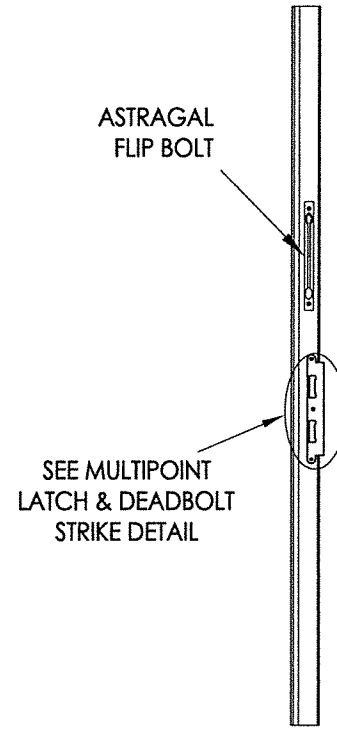
**LATCH & DEADBOLT STRIKE DETAIL**



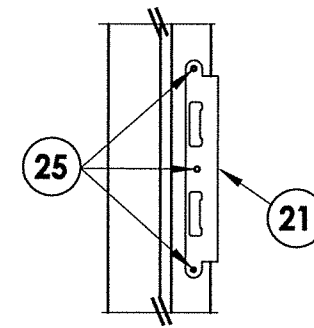
**ASTRAGAL STRIKE**  
Latch & Deadbolt



**HINGE JAMB**

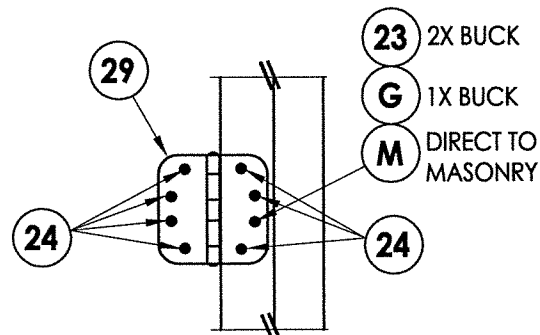


**ASTRAGAL STRIKE**  
Multipoint Lock

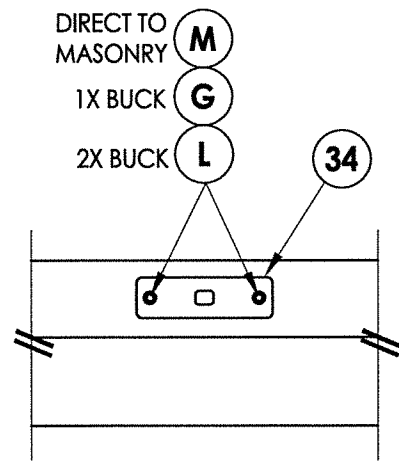


**MULTIPOINT LATCH & DEADBOLT STRIKE DETAIL**

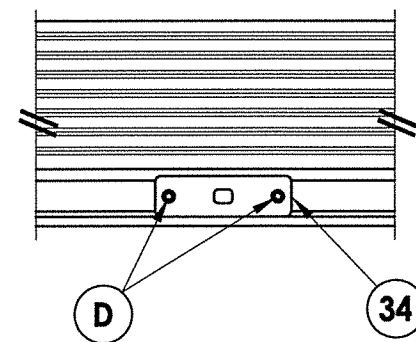
**LATCH & DEADBOLT HARDWARE DETAILS**



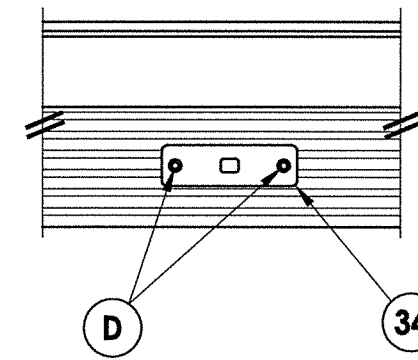
**HINGE DETAIL**



**DETAIL 1**  
Astragal Shootbolt Strike Plate @ Head



**DETAIL 2**  
Astragal Shootbolt Strike Plate @ Sill (Inswing)



**DETAIL 2**  
Astragal Shootbolt Strike Plate @ Sill (Outswing)

**MULTIPOINT LOCK HARDWARE DETAILS**

**L.F. SCHMIDT**  
 LICENSE  
 No. 43409  
 STATE OF  
 FLORIDA  
**PROFESSIONAL ENGINEER**  
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 FBPE C.A. No. 9813

PRODUCT:		THERMA-TRU WOOD DOOR
PART OR ASSEMBLY:		HARDWARE DETAILS
	NO.	DATE
	BY	
REVISIONS		
DATE: 08/10/16		
SCALE: N.T.S.		
DWG. BY: JK		
CHK. BY: LFS		
DRAWING NO.: FL-20800.3		
SHEET 9 OF 10		

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### 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
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
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (SAPELE, G>= 0.55)	WOOD
2	1X MULLION (SAPELE, G>= 0.55)	WOOD
3	ASTRAGAL (SAPELE, G>= 0.55)	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
20	MULTIPOINT TONGUE STRIKE PLATE	STEEL
21	MULTIPOINT LATCH & DEADBOLT STRIKE PLATE	STEEL
23	#12 X 2-1/2" PFH WOOD SCREW	STEEL
24	#12 x 1-1/4" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	INSWING ADJUSTABLE THRESHOLD	ALUM/WOOD
35	OUTSWING BUMP THRESHOLD	ALUM/WOOD
39	ASTRAGAL SHOOTBOLT STRIKE PLATE	STEEL
40	DOOR PANEL	WOOD
50	SIDELITE PANEL	WOOD

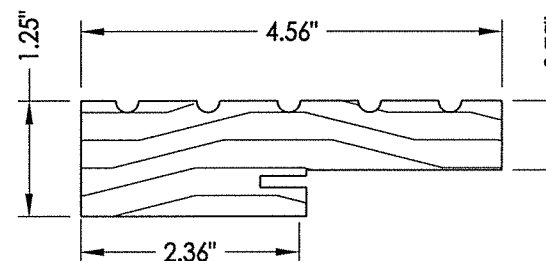
**CONCRETE ANCHOR NOTES:**

- 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:

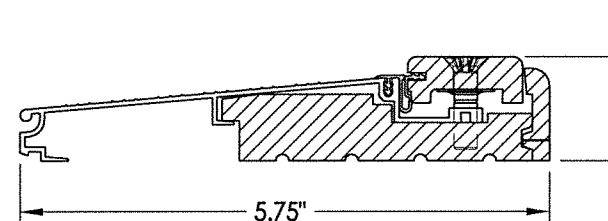
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

**WOOD SCREW INSTALLATION NOTES:**

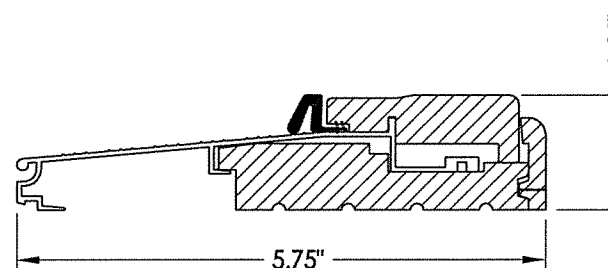
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



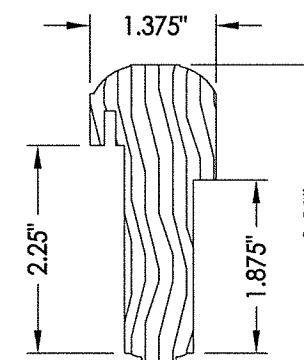
**1 WOOD JAMB**



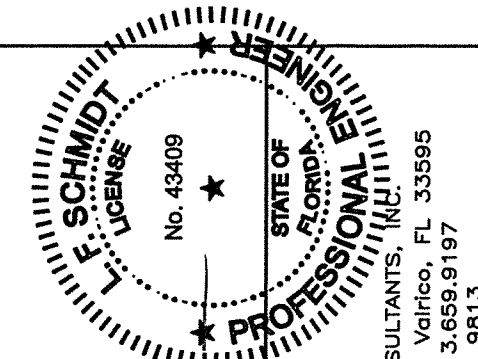
**30 INSWING ADJUSTABLE THRESHOLD**  
Imperial 5Y



**35 OUTSWING BUMB THRESHOLD**  
Imperial



**3 ASTRAGAL**



Documents Prepared By:

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

PRODUCT:  
INTERNATIONAL WOOD TRADE  
WOOD DOOR

PART OR ASSEMBLY:  
BILL OF MATERIALS  
& COMPONENTS

NO.	DATE	BY

DATE: 8/17/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20800.3

SHEET 10 OF 10