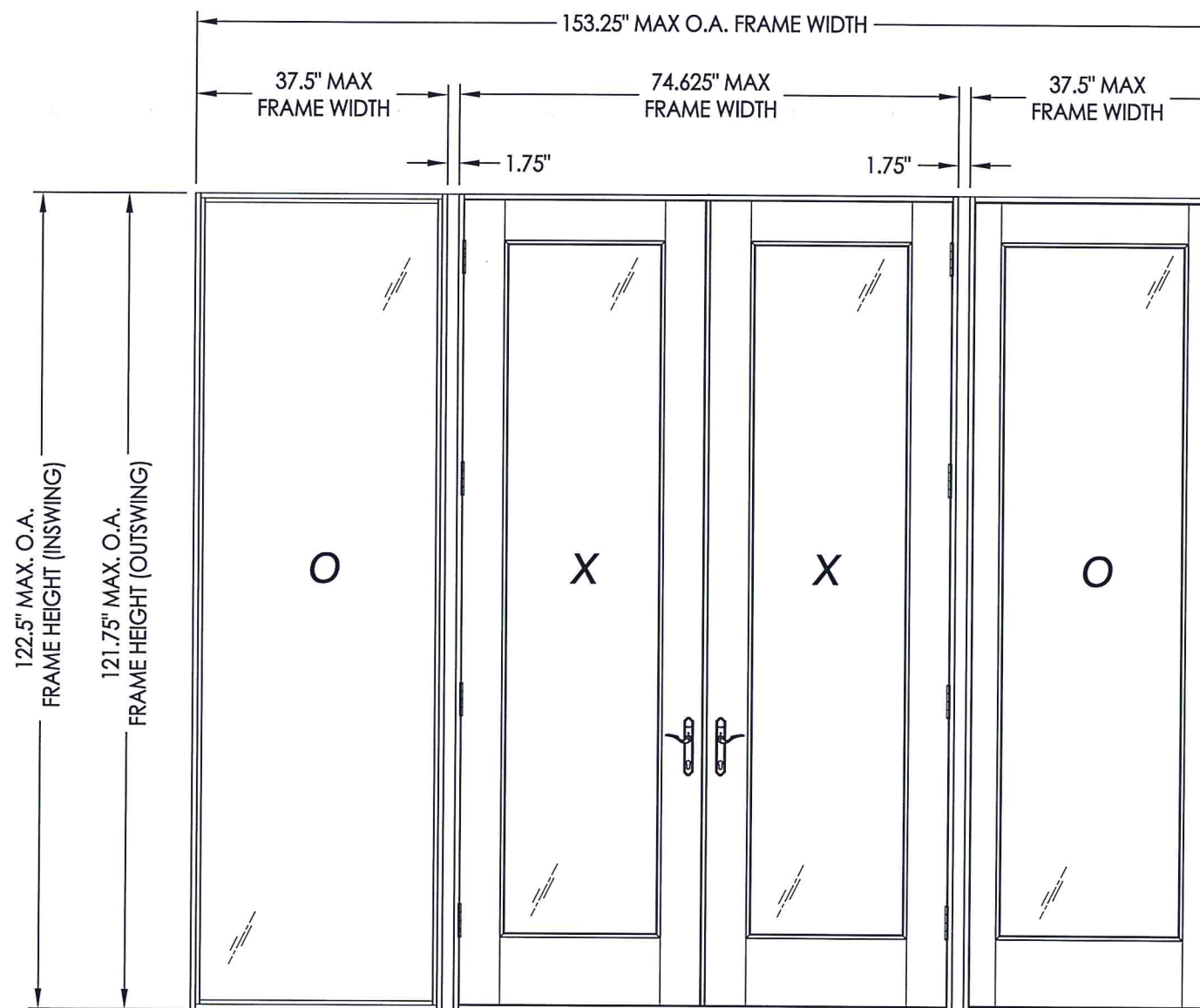


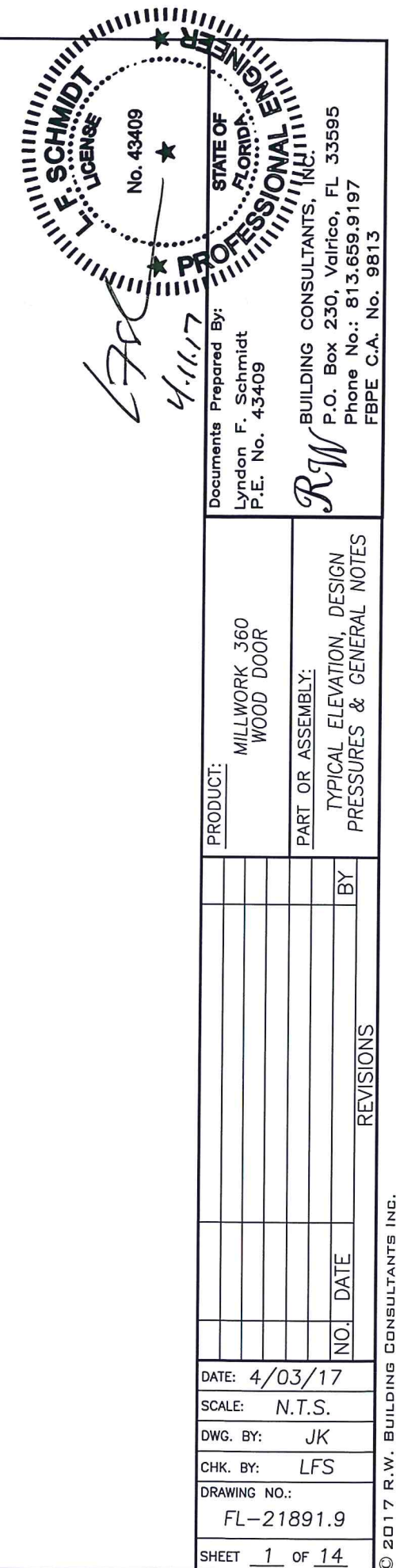
GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 5th Edition (2014) 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 Florida Building Code and does not require an impact resistant covering.
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.
6. Outswing configurations meet water infiltration requirements for "HVHZ".
7. Inswing configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

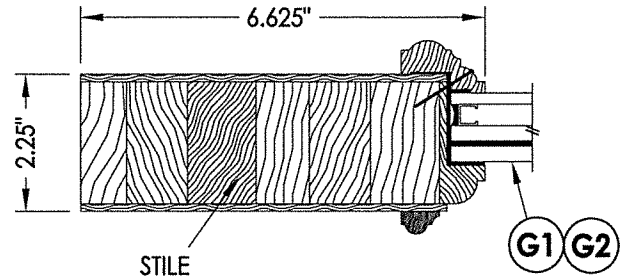
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details
4	Transom Details
5	Glazing & Panel Infil Details
6	Elevations
7	Horizontal & Vertical Cross Sections (2X Buck)
8	Horizontal & Vertical Cross Sections (1X Buck)
9	Horizontal & Vertical Cross Sections
10	Vertical Cross Sections (Thresholds)
11	Buck Anchoring
12	Frame Anchoring
13	Hardware Details
14	Bill of Materials & Components



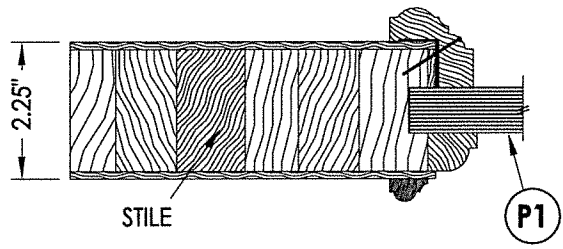
CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	+60.0	-60.0	+60.0	-60.0



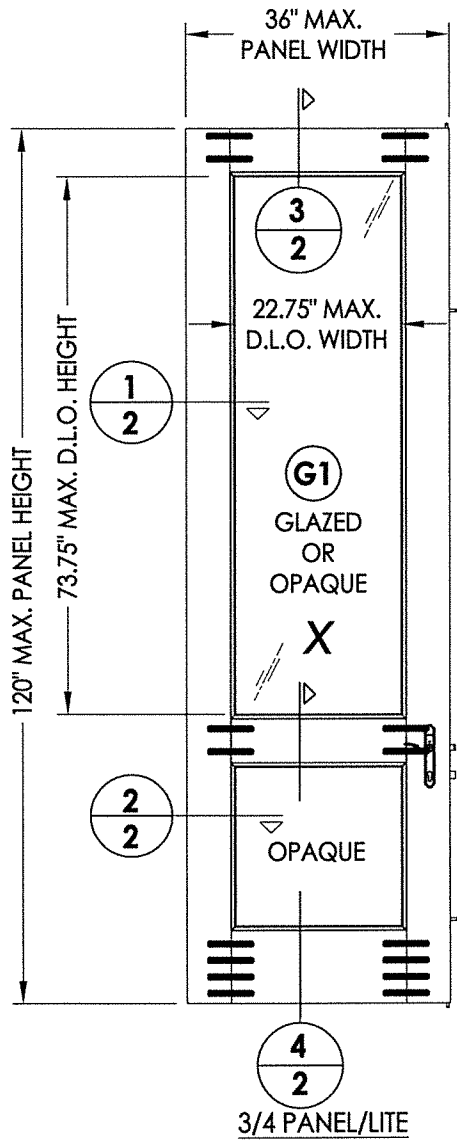
R:\Clients\Millwork\360A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891 (2014)\FL-21891.9-11.dwg, 9.2



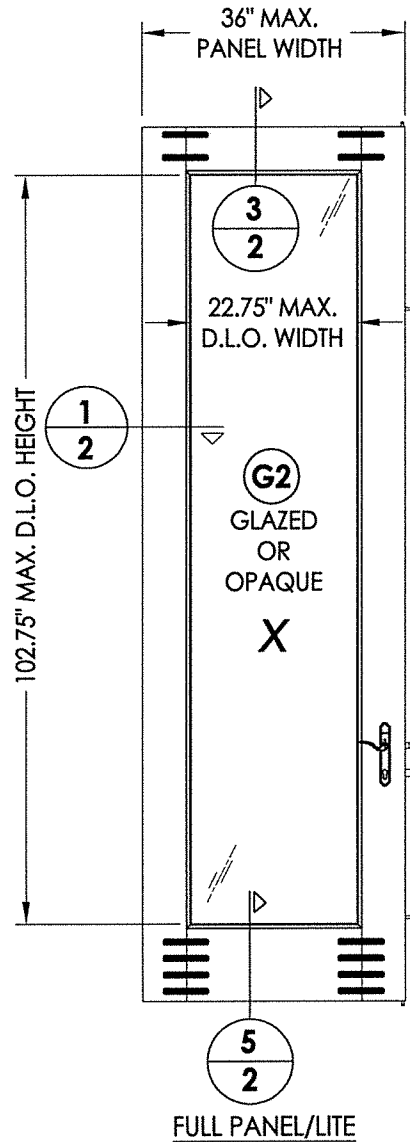
1
2 HORIZONTAL CROSS SECTION



2
2 HORIZONTAL CROSS SECTION



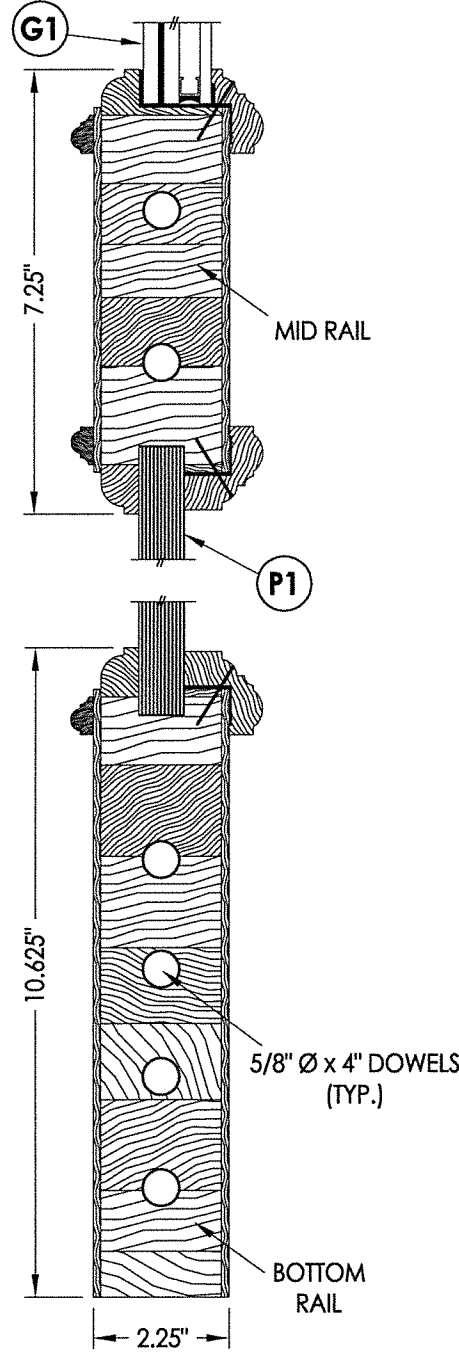
3/4 PANEL/LITE



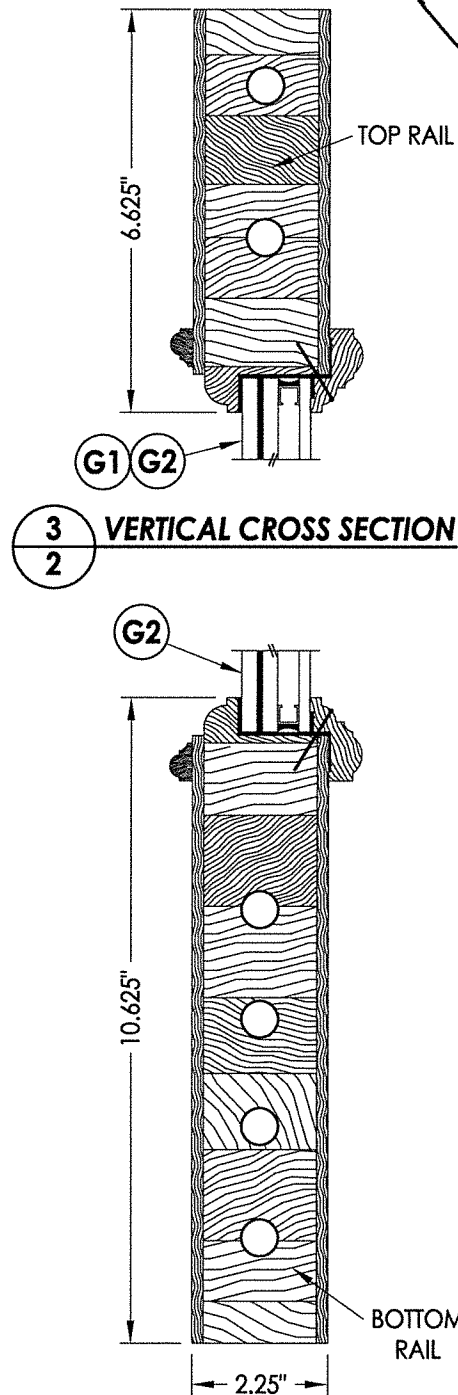
FULL PANEL/LITE

40 WOOD DOOR PANEL (3'-0")
Glazed or Opaque

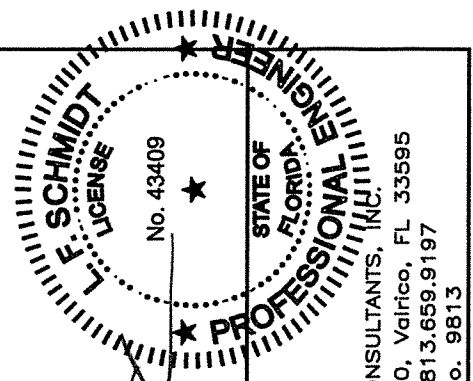
WOOD DOOR COMPONENTS:
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)
VENEER/EDGES: CYPRESS (G = 0.42)
NOTE: VENEER/EDGE MAY INCLUDE OAK, CHERRY, WALNUT OR
OTHER OPTIONAL HARDWOOD SPECIES w/ G >= 0.42.



4
2 VERTICAL CROSS SECTION



5
2 VERTICAL CROSS SECTION

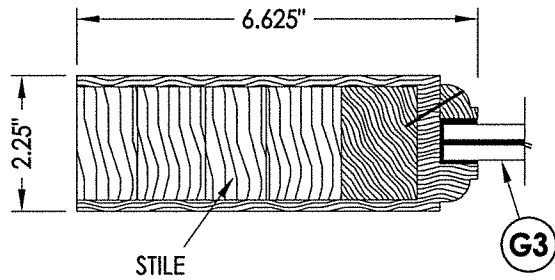


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

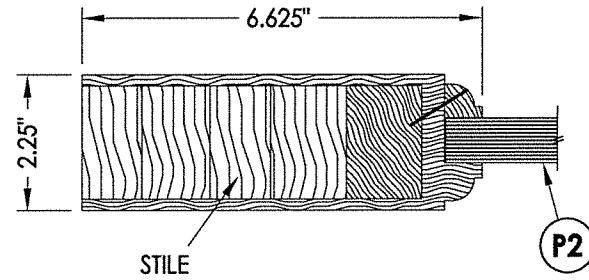
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT:		MILLWORK 360 WOOD DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
BY			
NO.		DATE	
REVISIONS			
DATE: 4/03/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21891.9			
SHEET 2 OF 14			

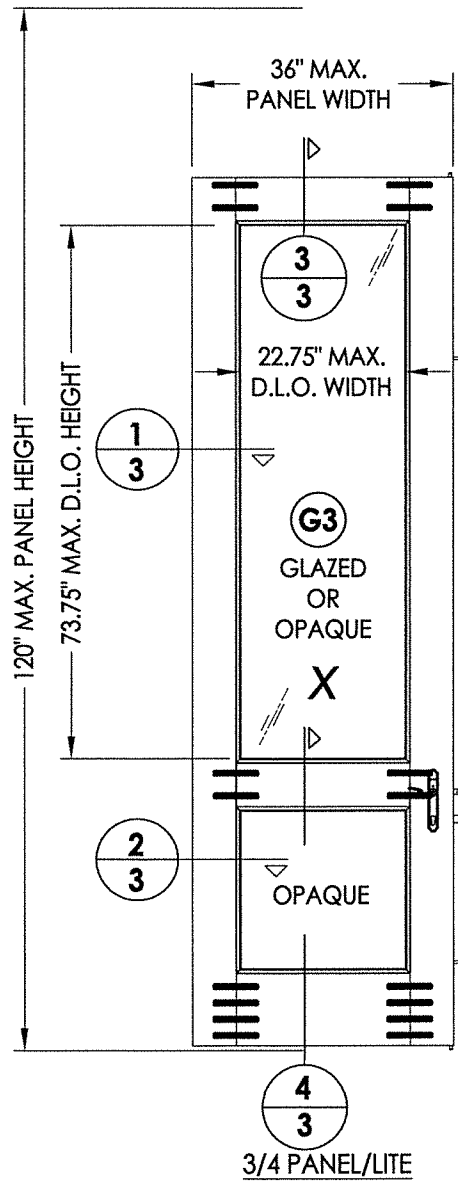
R:\Clients\Millwork 360A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891 (2014)\FL-21891.9-11.dwg, 9.3



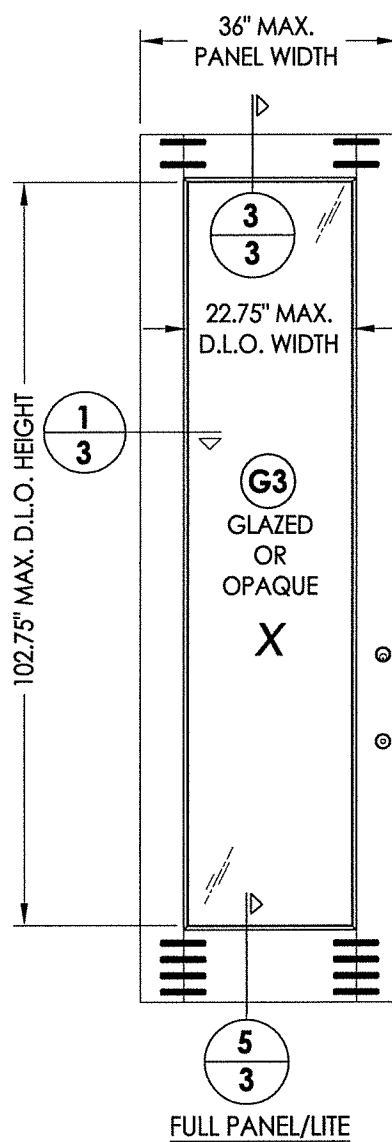
1
3 HORIZONTAL CROSS SECTION



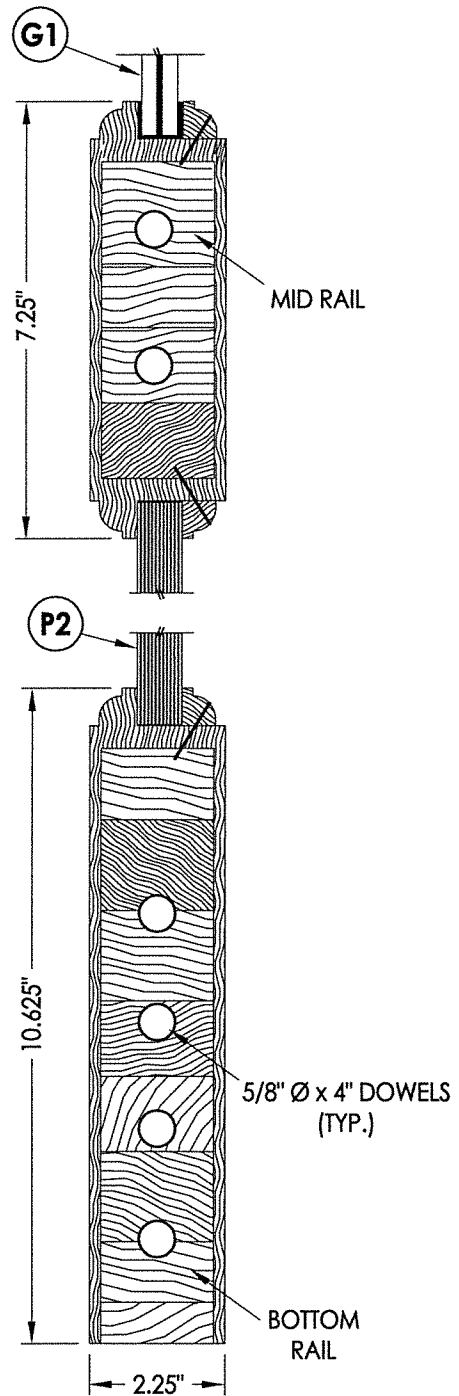
2
3 HORIZONTAL CROSS SECTION



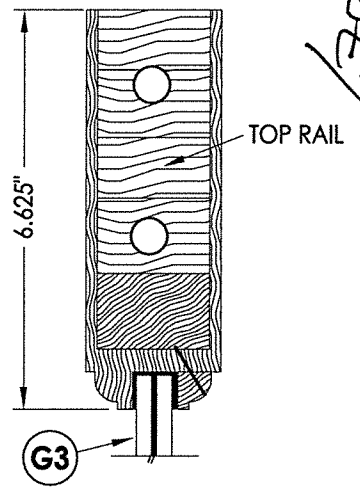
41 WOOD DOOR PANEL (3'-0")
Glazed or Opaque



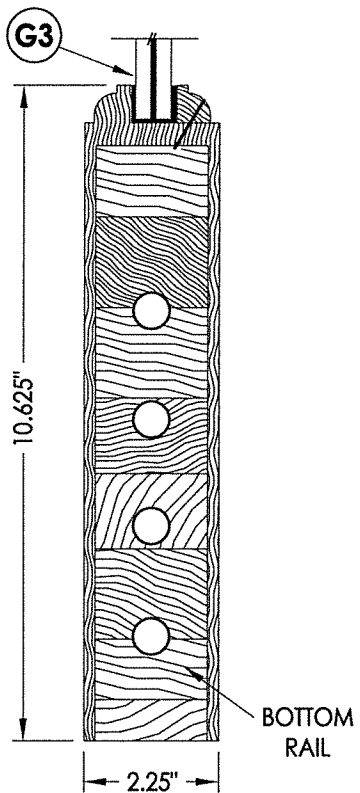
WOOD DOOR COMPONENTS:
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)
VENEER/EDGES: CYPRESS (G = 0.42)
NOTE: VENEER/EDGE MAY INCLUDE OAK, CHERRY, WALNUT OR
OTHER OPTIONAL HARDWOOD SPECIES w/ G >= 0.42.



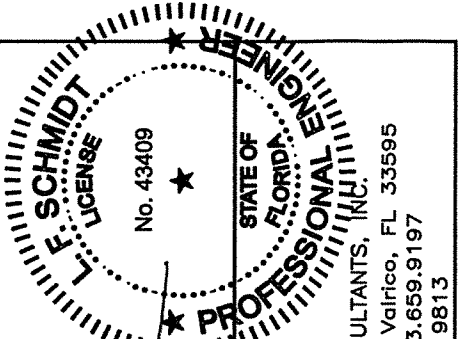
4
3 VERTICAL CROSS SECTION



3
3 VERTICAL CROSS SECTION



5
3 VERTICAL CROSS SECTION



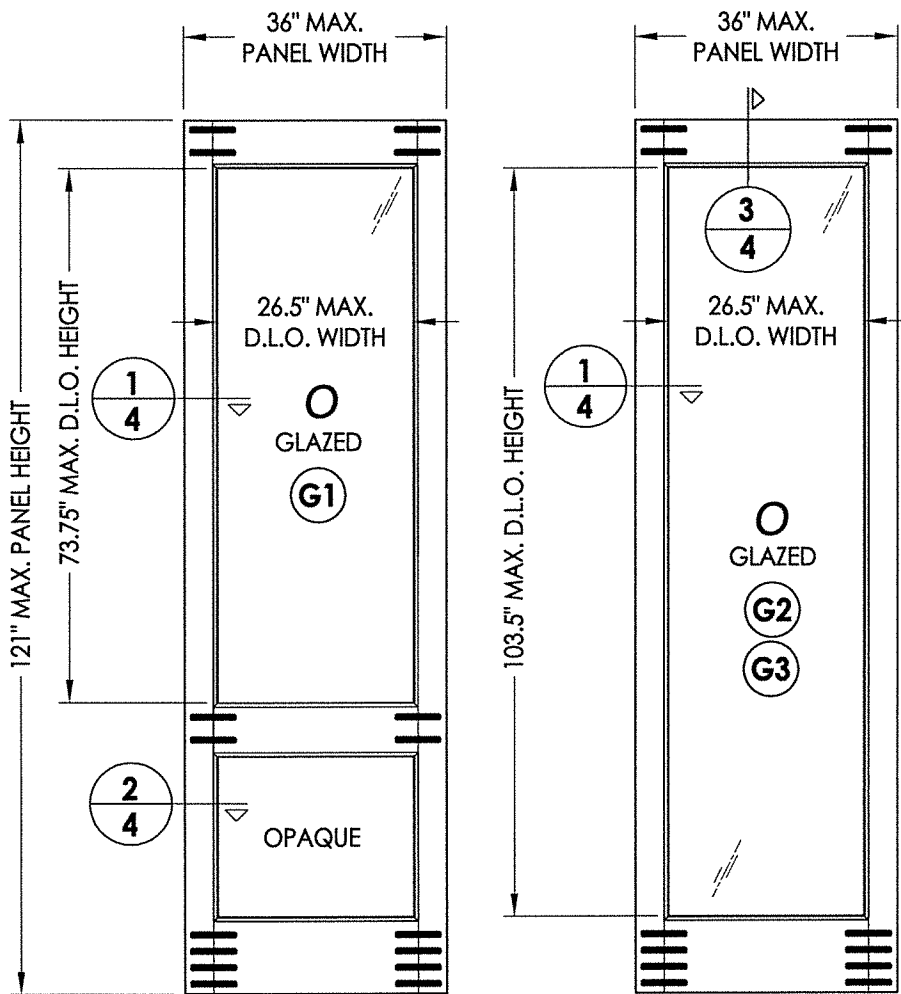
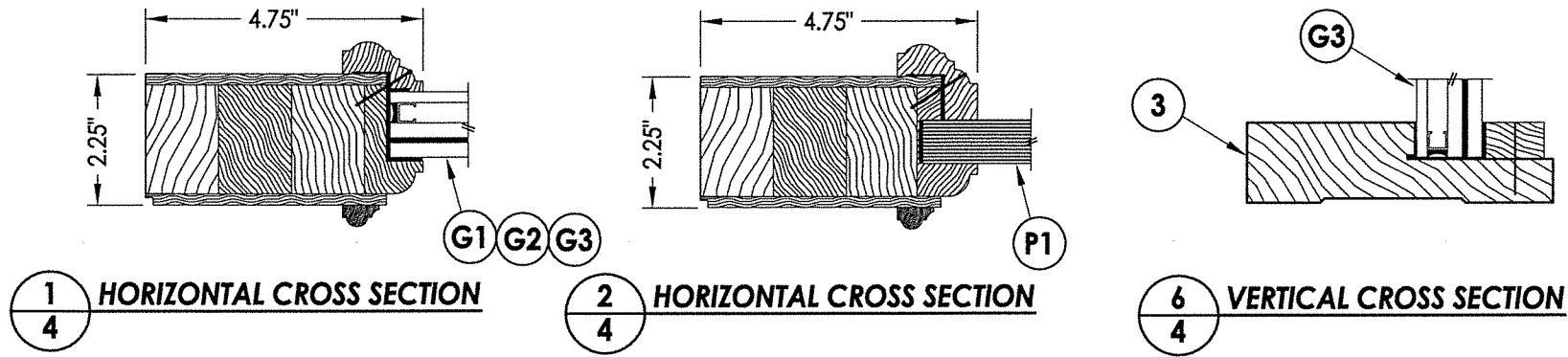
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409
R.W. BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

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

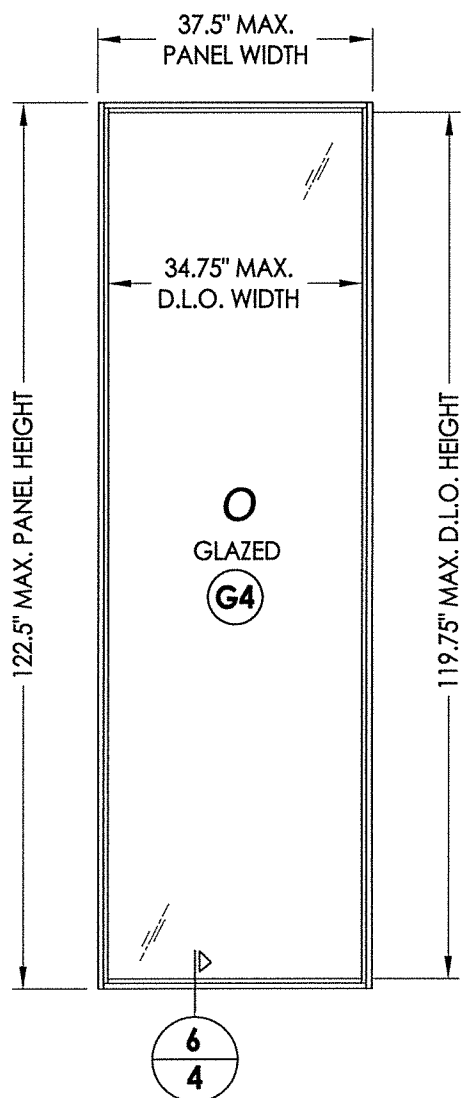
REVISIONS		NO.	DATE	BY

DATE: 4/03/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.9
SHEET 3 OF 14

R:\Clients\Millwork 360A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891 (2014)\FL-21891.9-11.dwg, 9.4

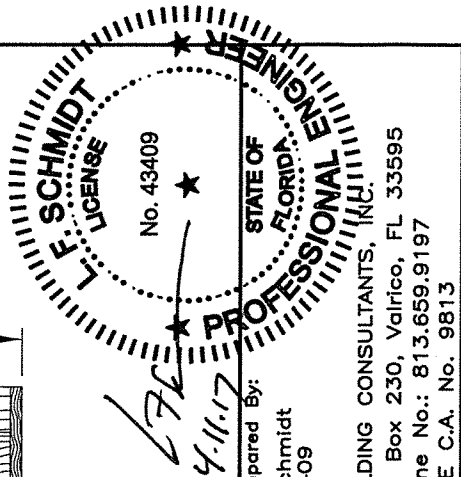
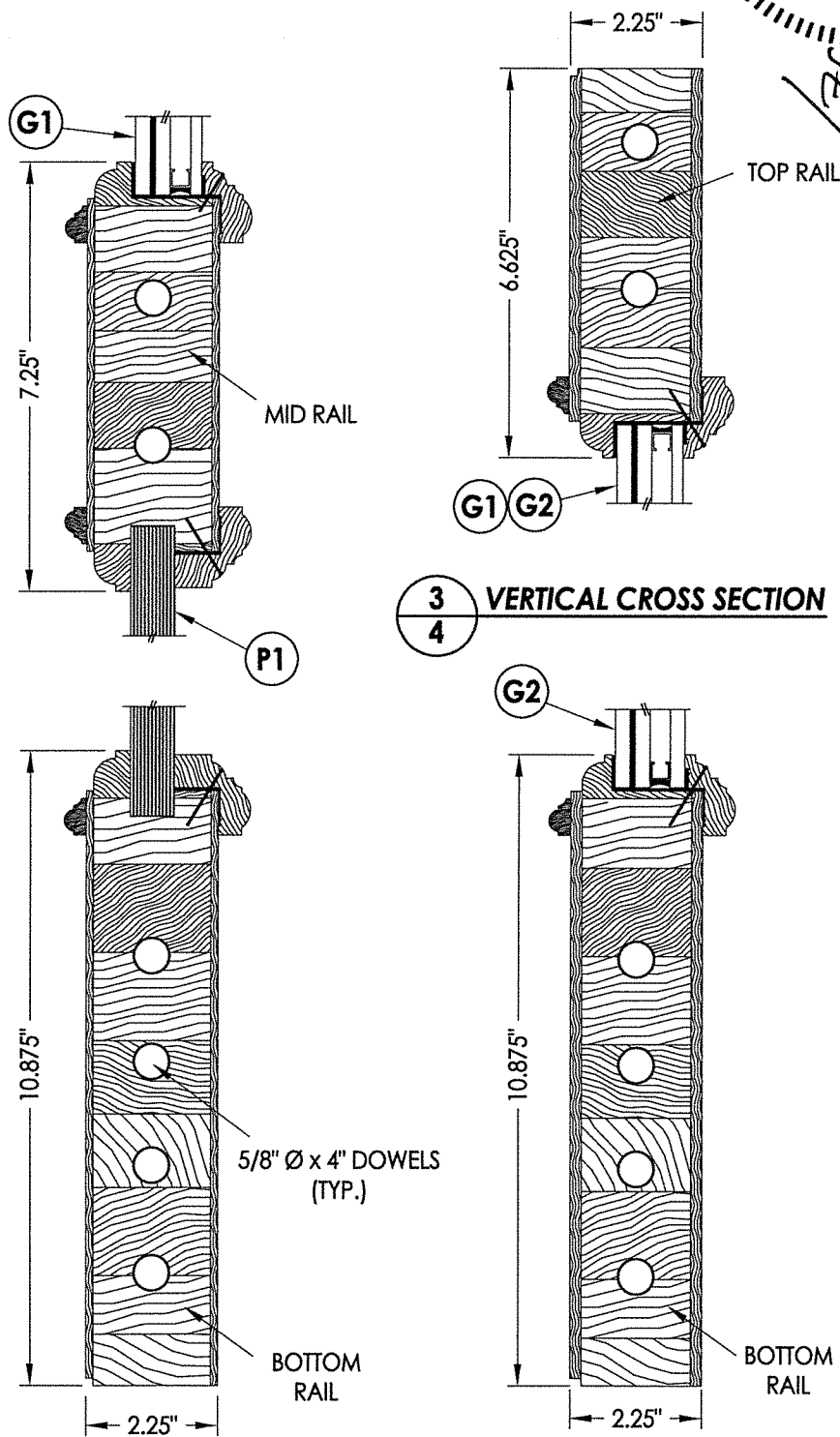


50 WOOD SIDELITE PANEL (3'-0")



51 WOOD SIDELITE PANEL (3'-0")
DIRECT SET

WOOD DOOR COMPONENTS:
ENGINEERED STAVE CORE: SIPO (UTILE) (G = 0.53)
VENEER/EDGES: CYPRESS (G = 0.42)
NOTE: VENEER/EDGE MAY INCLUDE OAK, CHERRY, WALNUT OR
OTHER OPTIONAL HARDWOOD SPECIES w/ G >= 0.42.



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

PRODUCT: MILLWORK 360
WOOD DOOR

PART OR ASSEMBLY: SIDELITE PANEL
DETAILS

NO.	DATE	REVISIONS	BY

DATE: 4/03/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21891.9

SHEET 4 OF 14

© 2017 R.W. BUILDING CONSULTANTS INC.

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

HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	MULTIPOINT HARDWARE: HLS 9000 SERIES MULTIPOINT LOCK ACTIVE: ROUND BOLT/SHOOT BOLT (5-PT.) INACTIVE: SHOOT BOLT (2-PT.)
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)

[illegible]

SHEET 6 OF 14

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

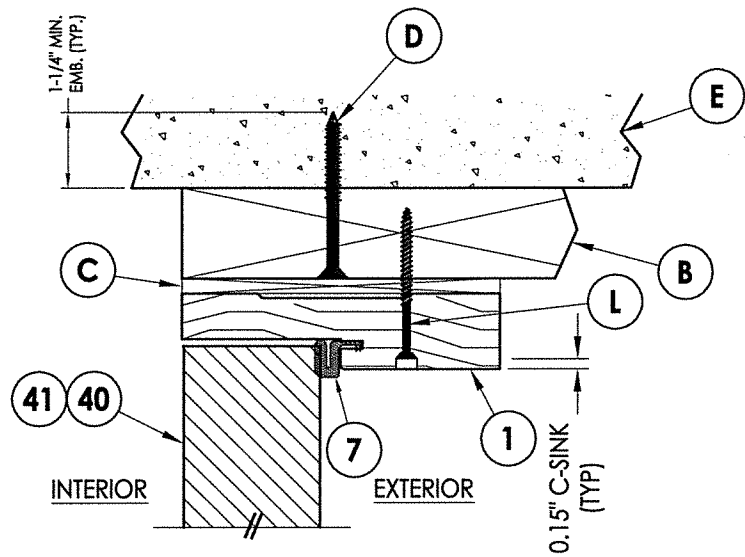
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

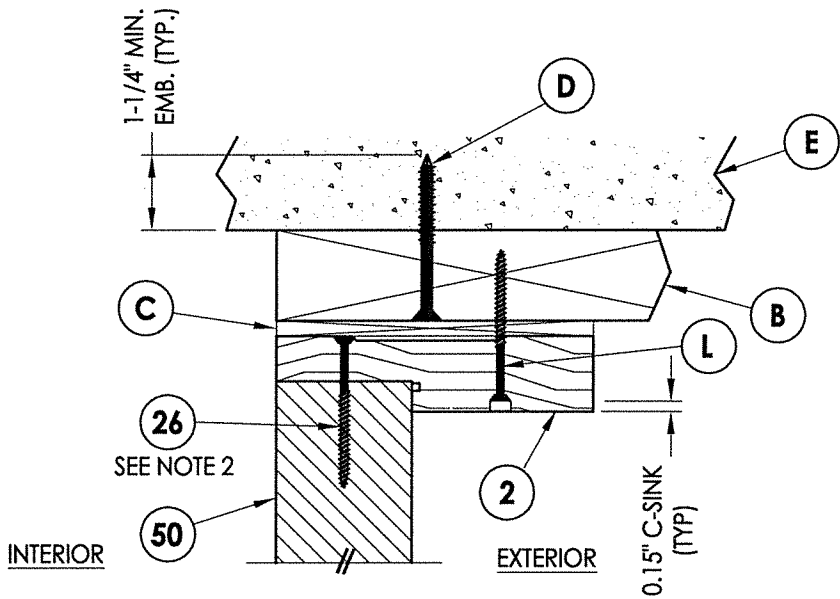
R:\Clients\Millwork 360A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891 (2014)\FL-21891.9-11.dwg, 9.7

NOTES:

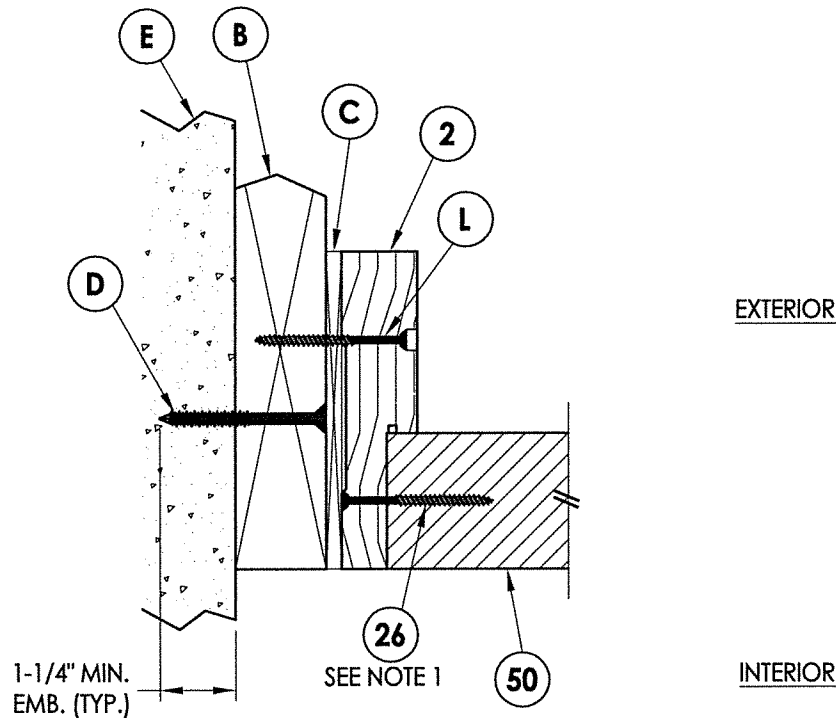
1. Item #26 located 4" from each end & 9 more equally spaced (11 total).
2. Item #26 located 4" from each end & 1 at the center line (3 total).



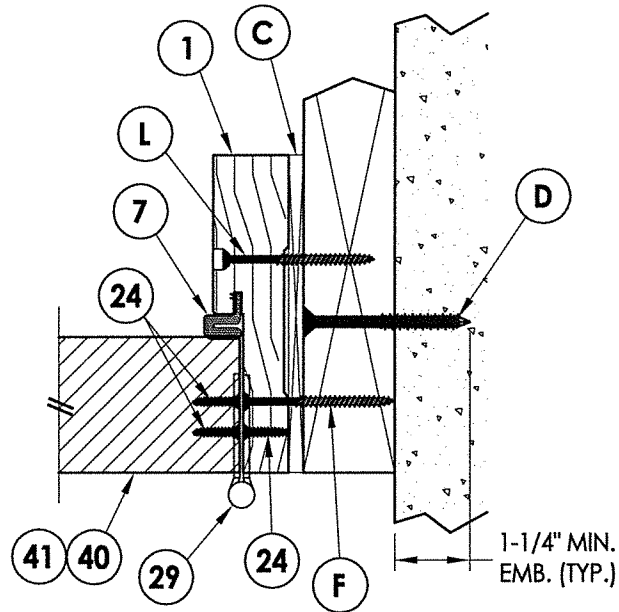
1
7 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



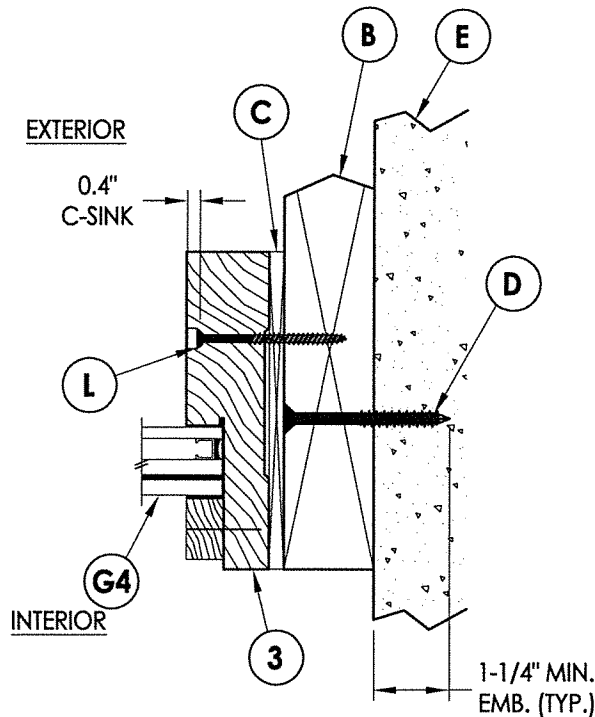
2
7 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)



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



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

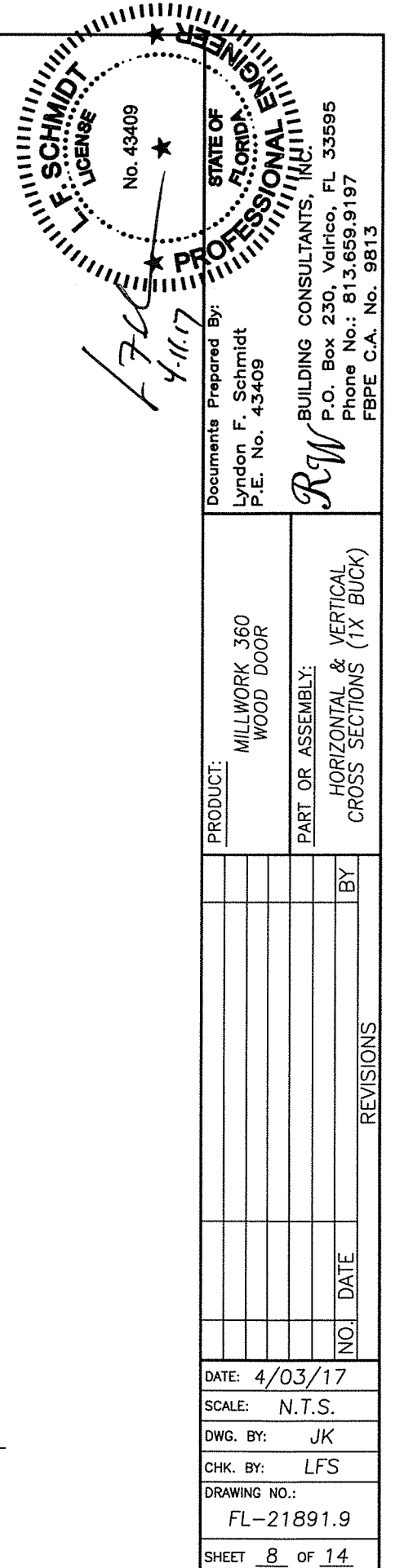
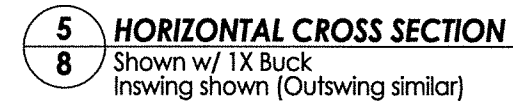
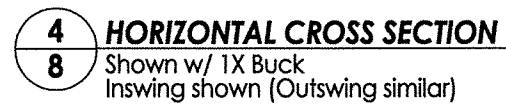
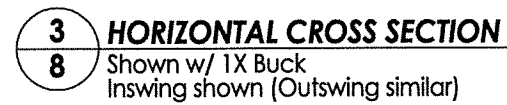
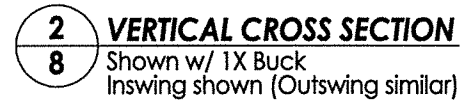
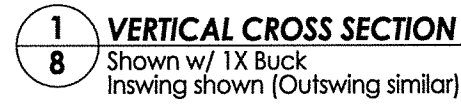


5
7 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Inswing shown (Outswing similar)

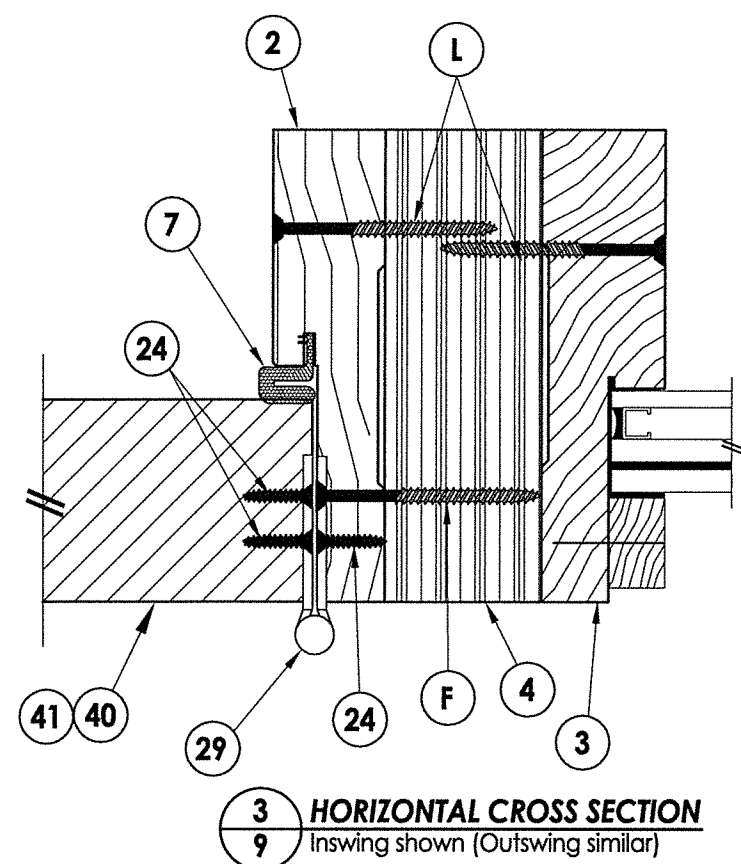
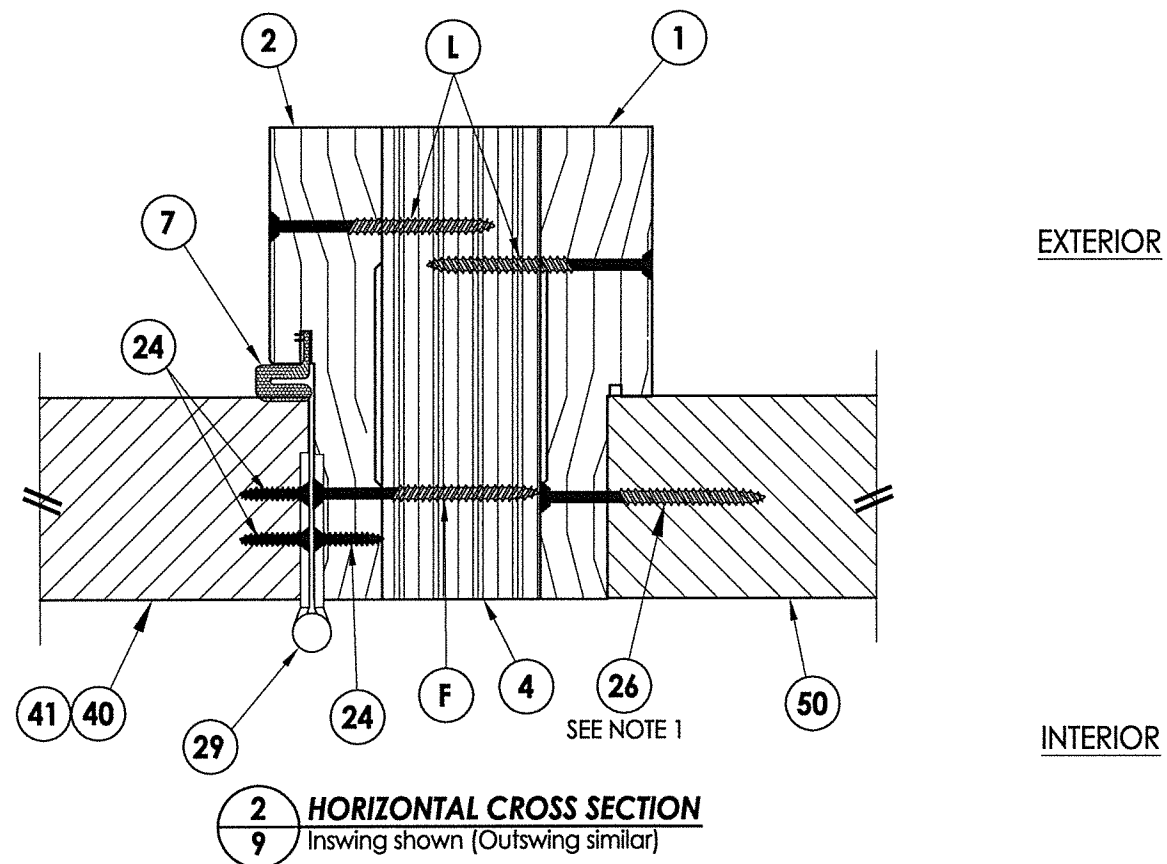
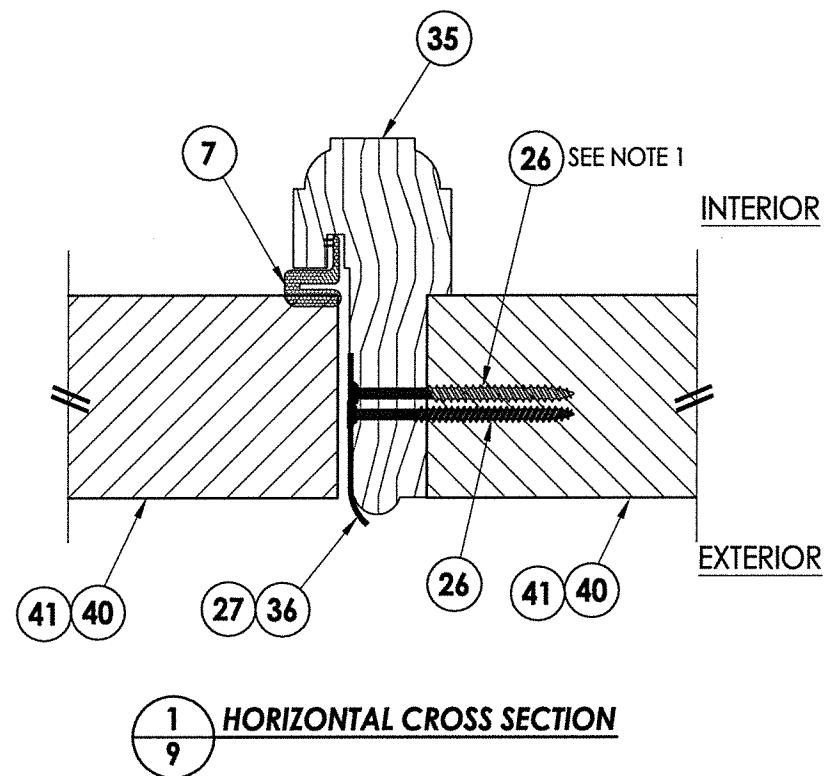
		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		R _W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE C.A. No. 9813	
		PRODUCT: MILLWORK 360 WOOD DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
DATE: 4/03/17		SCALE: N.T.S.		DWG. BY: JK	
CHK. BY: LFS		DRAWING NO.: FL-21891.9		SHEET 7 OF 14	
NO. DATE		BY		REVISIONS	

NOTES:

1. Item #26 located 4" from each end & 9 more equally spaced (11 total).
2. Item #26 located 4" from each end & 1 at the center line (3 total).



1. Item #26 located 4" from each end & 9 more equally spaced (11 total).



F. SCHMIDT
FLORIDA
PROFESSIONAL ENGINEER
LICENSE

No. 43409

1756

4-11-17

STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

PRODUCT:
 MILLWORK 360
 WOOD DOOR

PART OR ASSEMBLY:
 HORIZONTAL & VERTICAL
 CROSS SECTIONS

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

REVISIONS			
NO.	DATE	BY	

DATE: 4/03/17

SCALE: N.T.S.

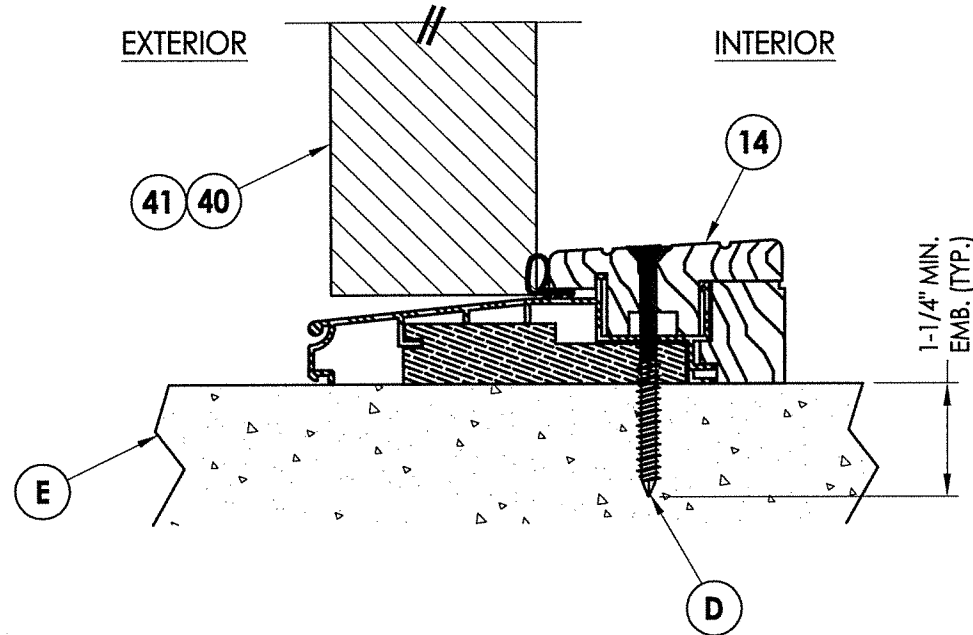
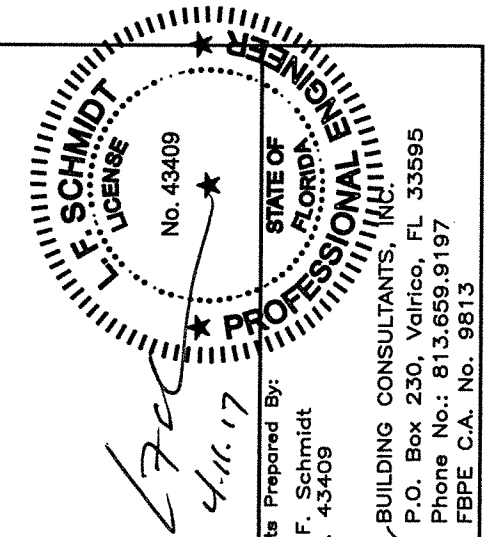
DWG. BY: JK

CHK. BY: LFS

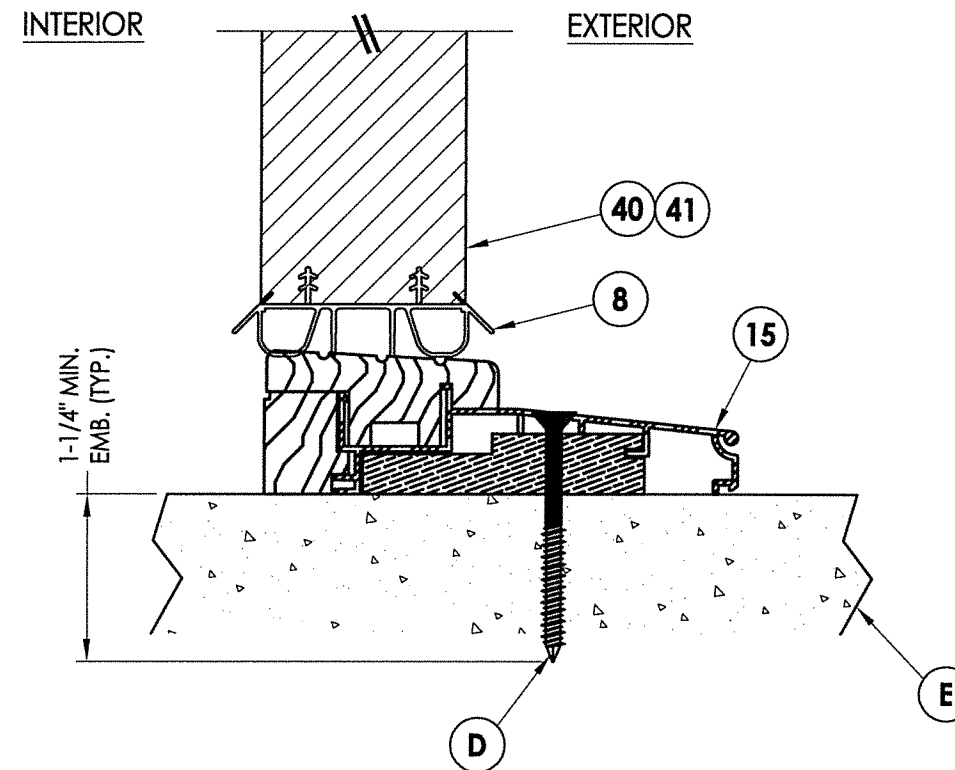
DRAWING NO.: FL-21891.9

SHEET 9 OF 14

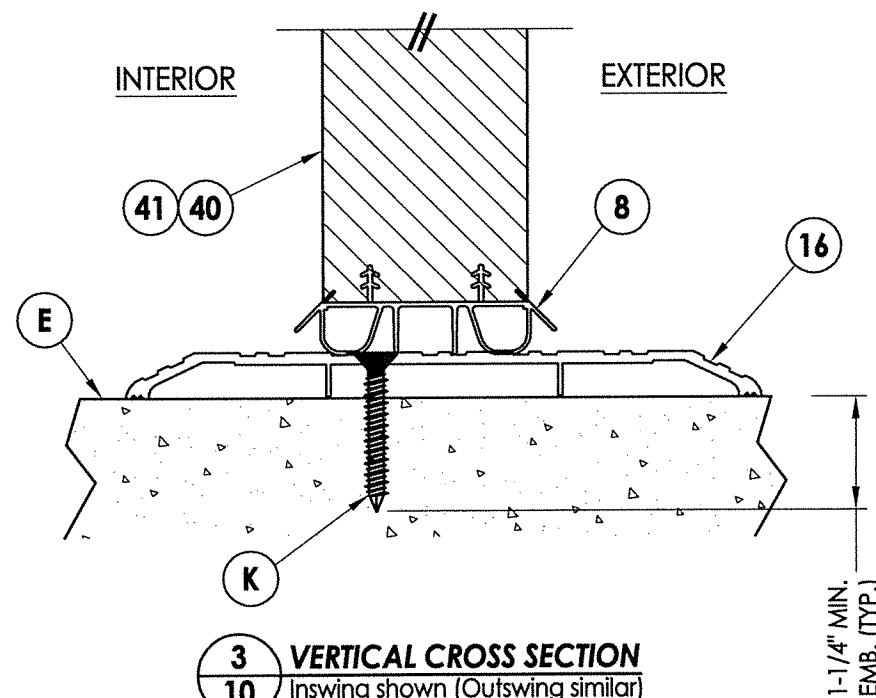
1. Item #26 located 4" from each end & 1 at the center line (3 total).



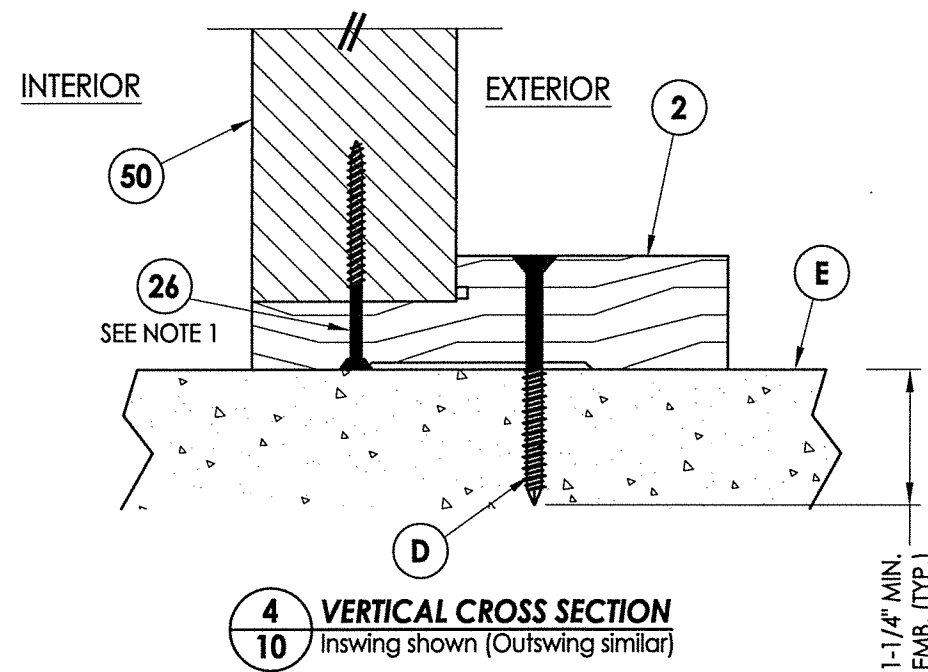
1 VERTICAL CROSS SECTION
10 Outswing



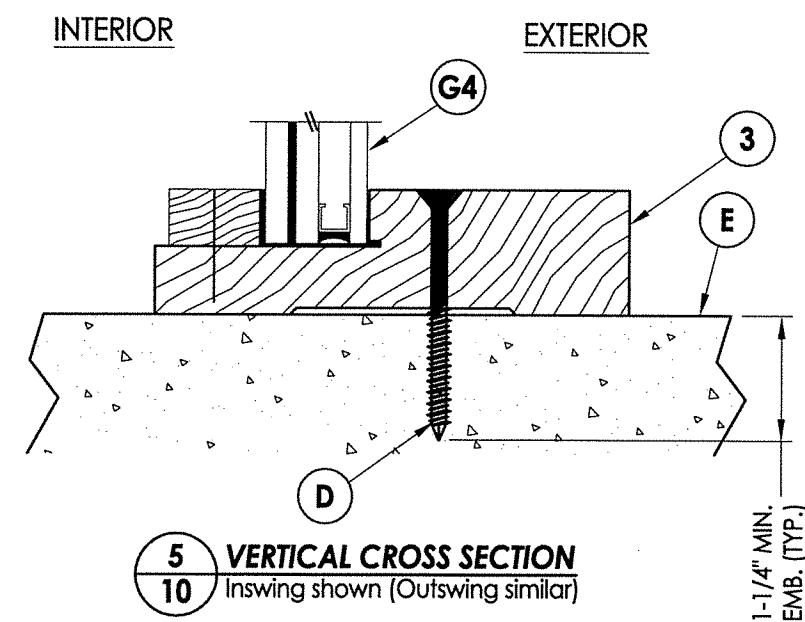
2 VERTICAL CROSS SECTION
10 Inswing



3 VERTICAL CROSS SECTION
10 Inswing shown (Outswing similar)



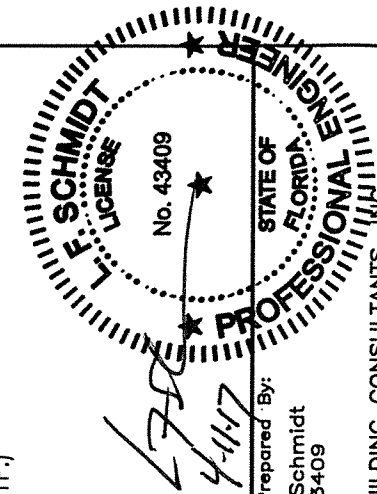
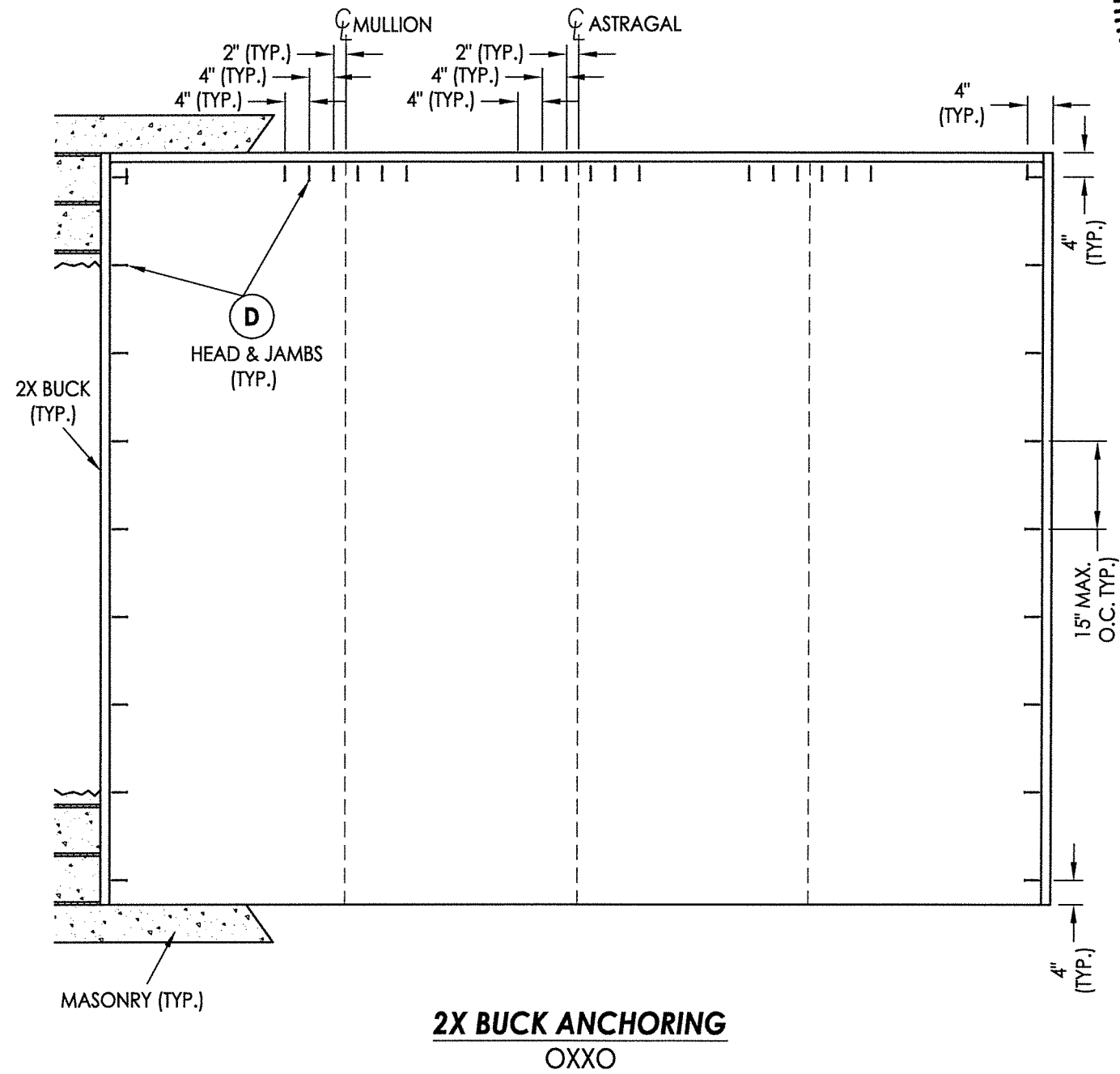
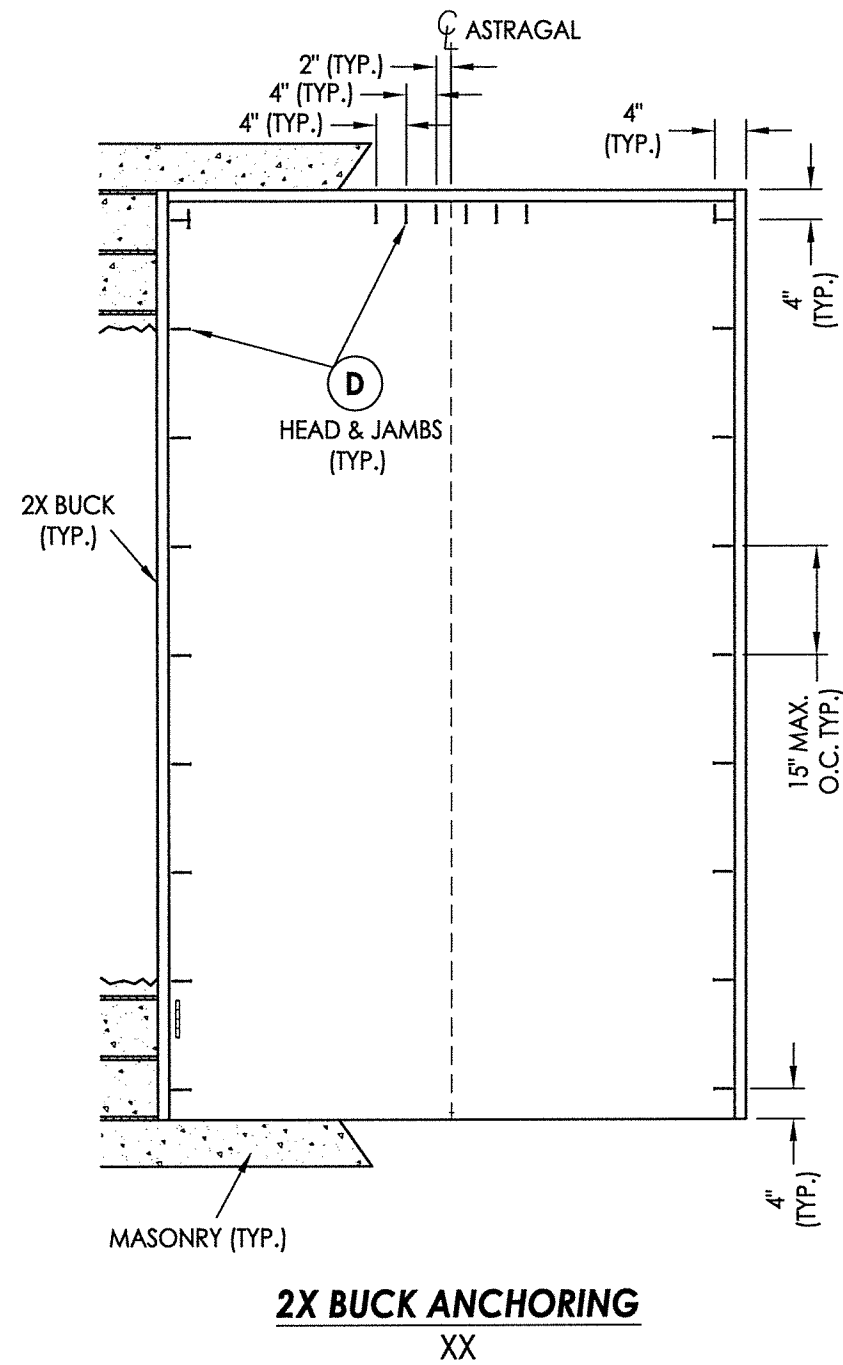
4 **VERTICAL CROSS SECTION**
10 Inswing shown (Outswing similar)



5 VERTICAL CROSS SECTION
10 Inswing shown (Outswing similar)

DATE: 4/03/17		REVISIONS NO. DATE BY		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLD)	PRODUCT: MILLWORK 360 WOOD DOOR
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-21891.9					
SHEET 10 OF 14					

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



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

RAI BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE C.A. No. 9813

FBPE C.A. No. 9813

PRODUCT: MILLWORK 360
WOOD DOOR

ASSEMBLY:
BUCK ANCHORING

5

REVISIONS

DATE: 4/03/17

SCALE: N.T.S.

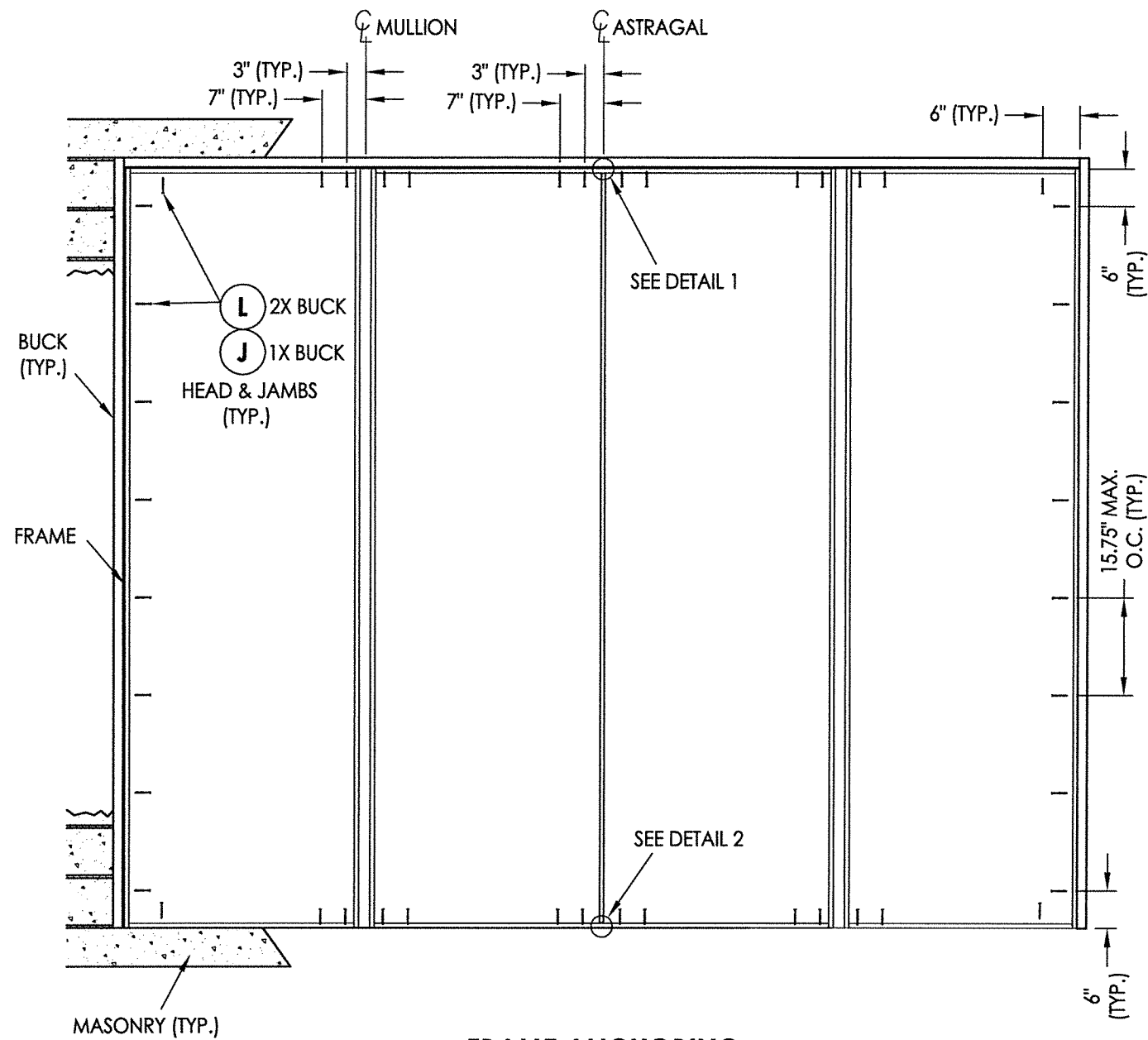
DWG. BY: JK

CHK. BY: LFS

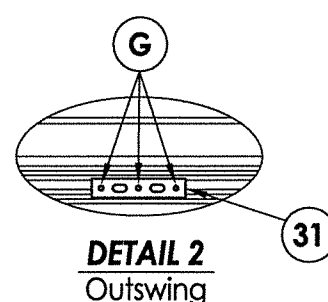
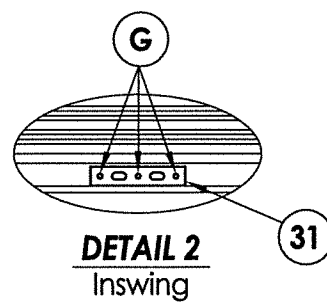
DRAWING NO.:

FL-21891.9

SHEET 11 OF 14



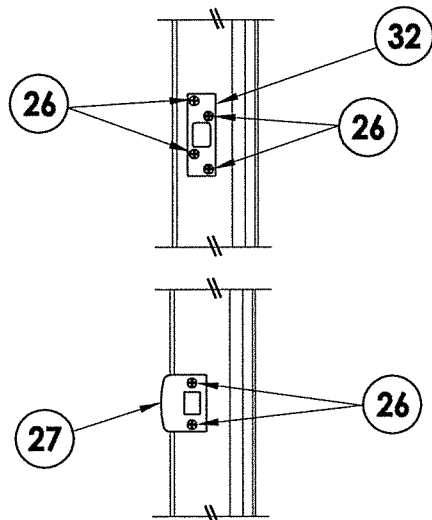
FRAME ANCHORING
OXXO



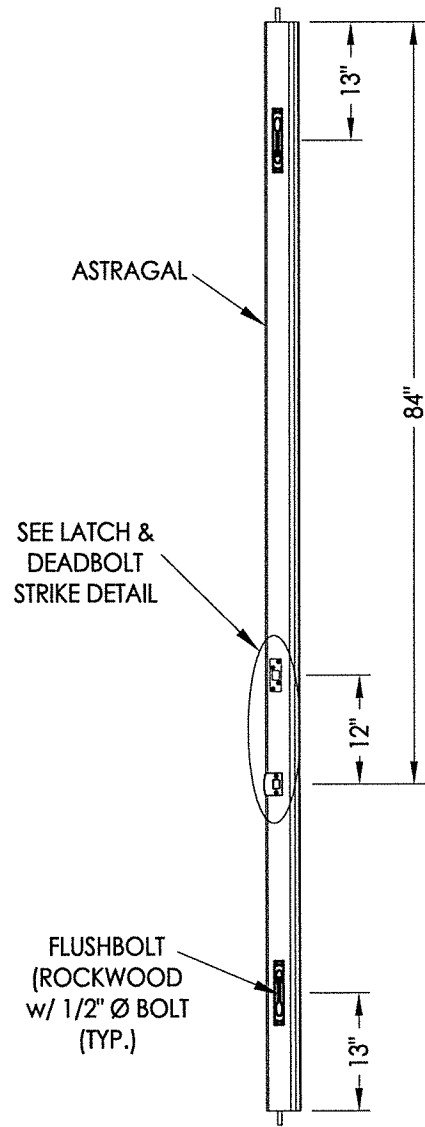
NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH
DEEP THREAD WOOD SCREWS @ SILL.

DATE: 4/03/17		PRODUCT: MILLWORK 360 WOOD DOOR	
SCALE: N.T.S.		PART OR ASSEMBLY: FRAME ANCHORING	
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21891.9			
SHEET 12 OF 14			

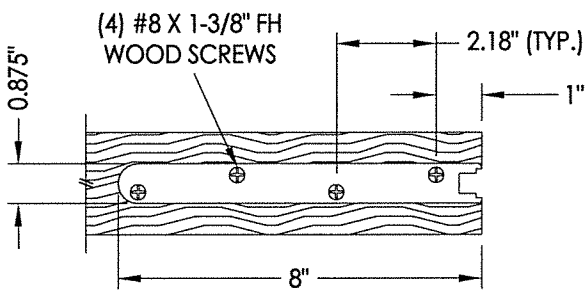
R:\Clients\Millwork 360A - Florida Product Approvals\FL-21891 Wood Doors\C - Drawings\FL-21891.9-11.dwg, 9.13



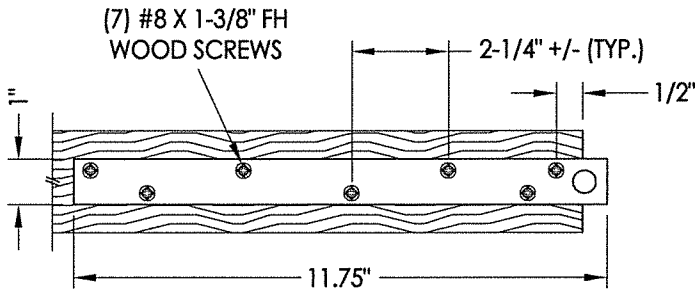
LATCH & DEADBOLT STRIKE DETAIL



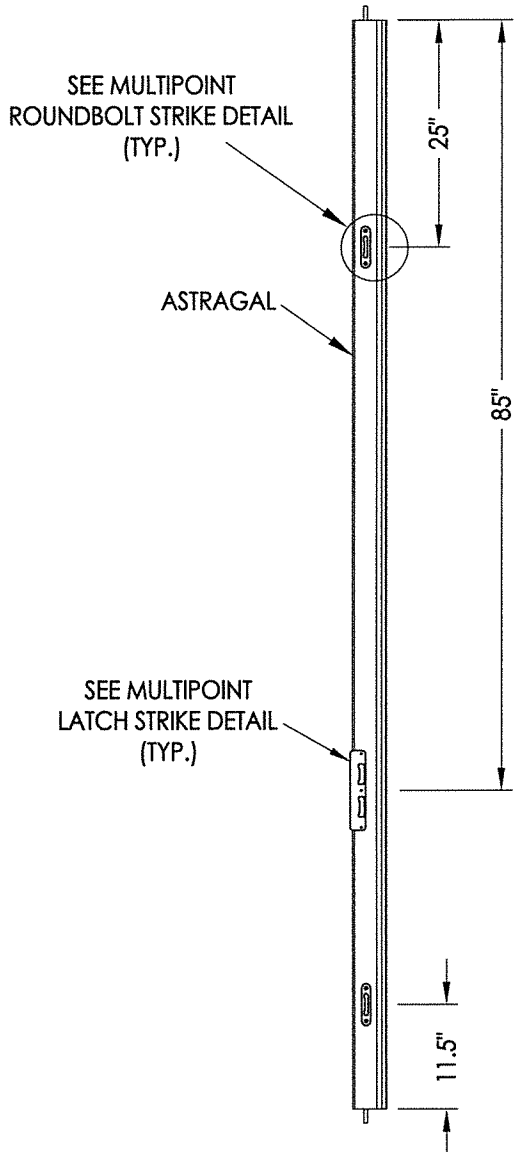
LATCH & DEADBOLT DETAILS



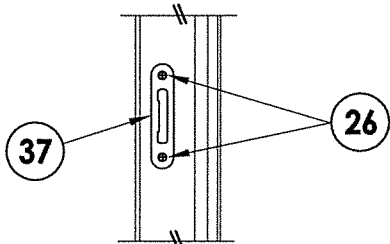
SHOOTBOLT REINFORCEMENT
AT TOP & BOTTOM OF DOOR PANEL
(1/8" THICK STEEL)



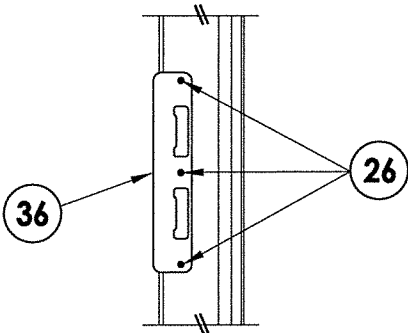
FLUSHBOLT REINFORCEMENT
AT TOP & BOTTOM OF DOOR PANEL
(3/16" THICK STEEL)



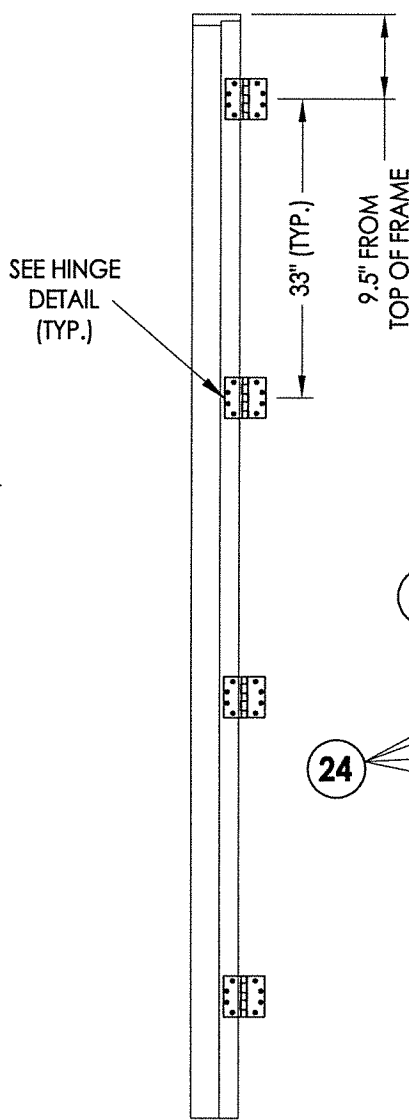
MULTIPOINT LOCK DETAILS



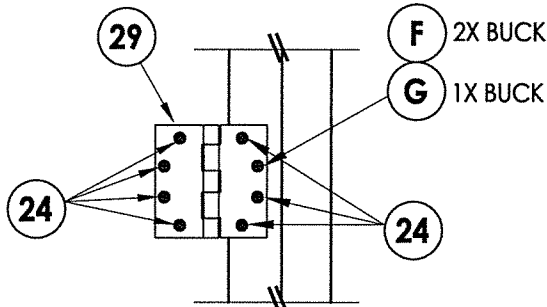
MULTIPOINT ROUND BOLT STRIKE DETAIL



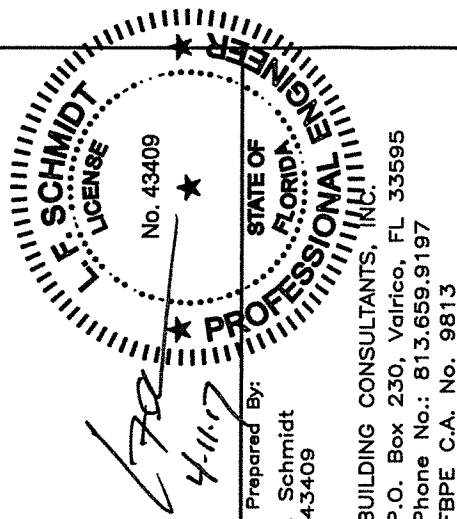
MULTIPOINT STRIKE DETAIL



HINGE JAMB



HINGE DETAIL



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

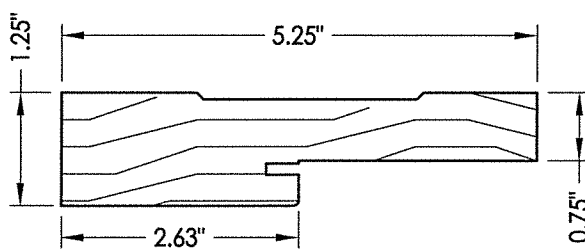
PRODUCT: MILLWORK 360 WOOD DOOR
PART OR ASSEMBLY: HARDWARE DETAILS

NO.	DATE	BY	REVISIONS

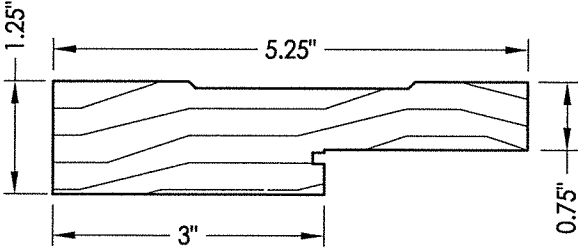
DATE: 4/03/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21891.9
SHEET 13 OF 14

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
K	1/4" X 1-3/4" 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	JAMB (DOOR)	WOOD
2	JAMB (SIDELITE)	WOOD
3	JAMB (SIDELITE - DIRECT SET)	WOOD
4	MULLION	LVL
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
14	OUTSWING THRESHOLD	ALUM/COMP
15	INSWING THRESHOLD	ALUM/COMP
16	ADA THRESHOLD	ALUM
23	#10 X 1-1/2" PFH WOOD SCREW	STEEL
24	#12 x 1" PFH WOOD SCREW	STEEL
25	#8 x 1-3/4" PFH WOOD SCREW	STEEL
26	#8 x 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
29	4.5" X 4.5" HINGE	STEEL
31	SHOOTBOLT STRIKE PLATE	STEEL
32	DEADBOLT SECURITY STRIKE PLATE	STEEL
35	ASTRAGAL	WOOD
36	MULTIPOINT STRIKE PLATE	STEEL
37	MULTIPOINT ROUNDBOLT STRIKE DETAIL	STEEL
40	DOOR PANEL	WOOD
41	DOOR PANEL	WOOD
50	SIDELITE PANEL	WOOD
51	SIDELITE PANEL (DIRECT SET)	WOOD
70	TRANSOM PANEL	WOOD

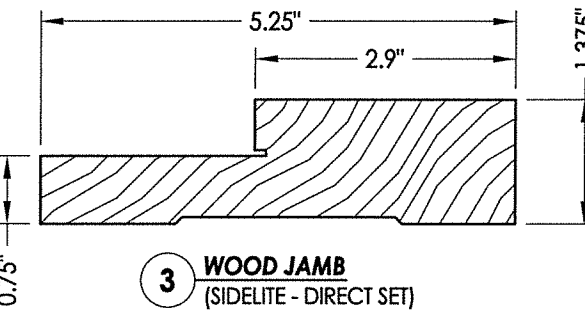
WOOD FRAME COMPONENTS: SIPO (UTILE) ($G = 0.53$)



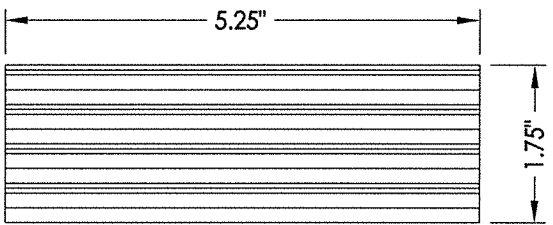
1 WOOD JAMB
(DOOR)



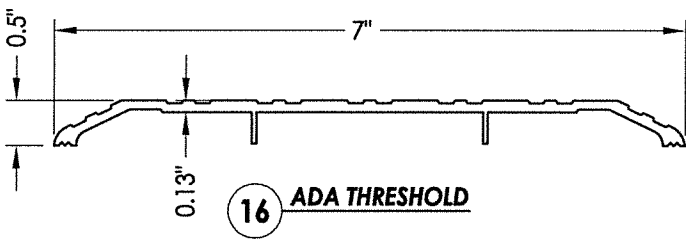
2 WOOD JAMB
(SIDELITE)



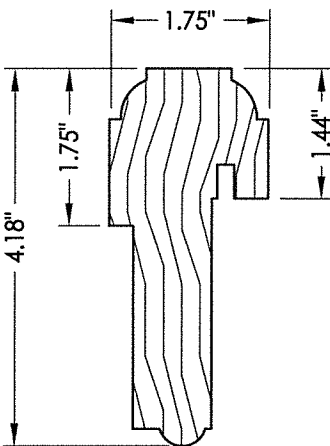
3 WOOD JAMB
(SIDELITE - DIRECT SET)



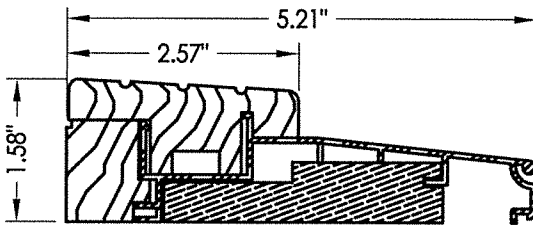
4 MULLION
VERSA-LAM® 3100 Fb-2.0E



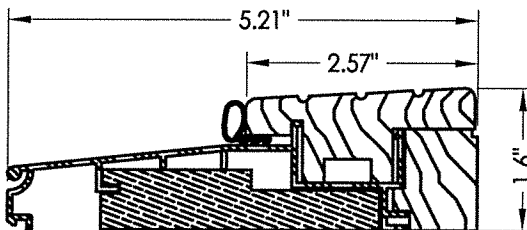
16 **ADA THRESHOLD**



35 **ASTRAGAL**



15 INSWING THRESHOLD
WORLDWIDE



14 OUTSWING THRESHOLD WORLDWIDE

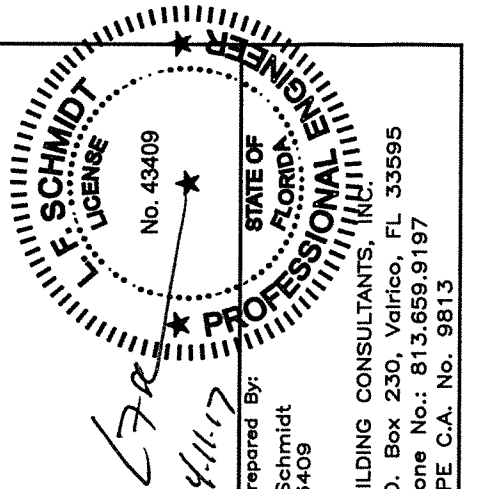
CONCRETE ANCHOR NOTES:

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"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.



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

RRW 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

R ASSEMBLY:
**BILL OF MATERIALS
& COMPONENTS**

REVISIONS

DATE: 4/03/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21891.9