



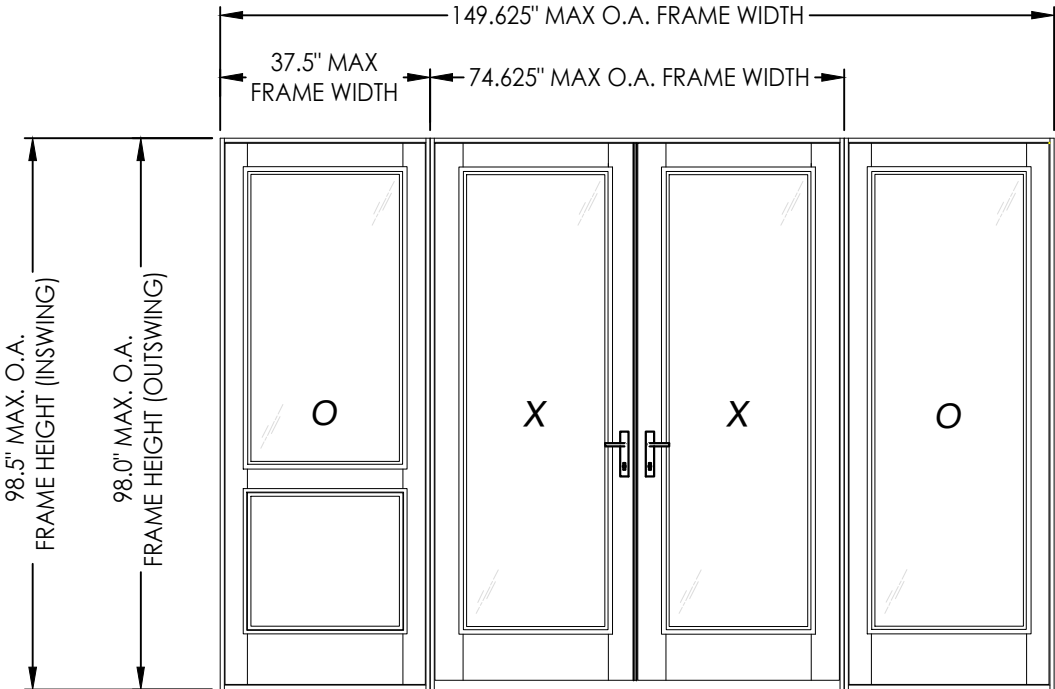
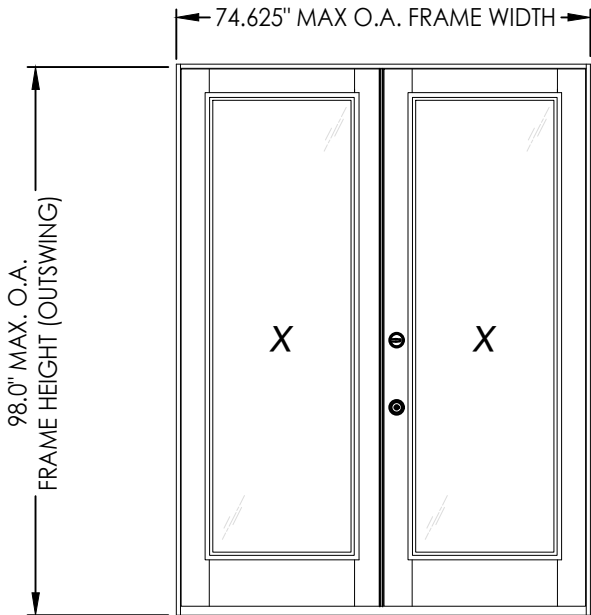
All Phase Custom Mill Shop
7471 Sawyer Circle
Port Charlotte, Florida 33981

"COASTAL IMPACT DOORS"
WOOD GLAZED OR OPAQUE
DOUBLE DOOR
w/ or w/out SIDELITES
INSWING/OUTSWING
"IMPACT"

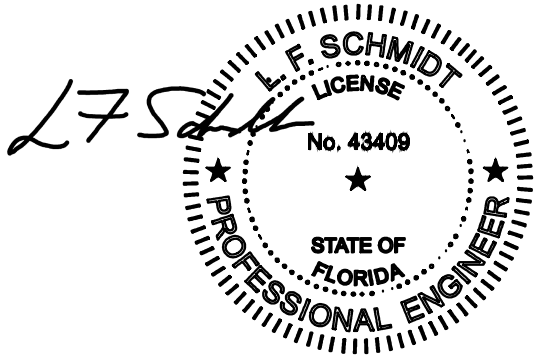
GENERAL NOTES

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in areas requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 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 Sections 1609.1.2.2 & R301.2.1.2.1.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections (2X Buck)
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



Digitally signed by Lyndon F Schmidt
Date: 2023.09.27 10:29:10 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

ALL PHASE CUSTOM MILL SHOP
"Impact" Wood Doors

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

3
2
1

9/27/23
9/02/20
10/12/17

UPDATE TO 8TH ED. (2023)
UPDATE TO 7TH ED. (2020)
UPDATE TO 6TH ED. (2017)

FBC
FBC
FBC

LFS
LFS
JK

BY

NO. DATE

REVISIONS

DATE: 6/5/17

SCALE: N.T.S.

DWG. BY: JK

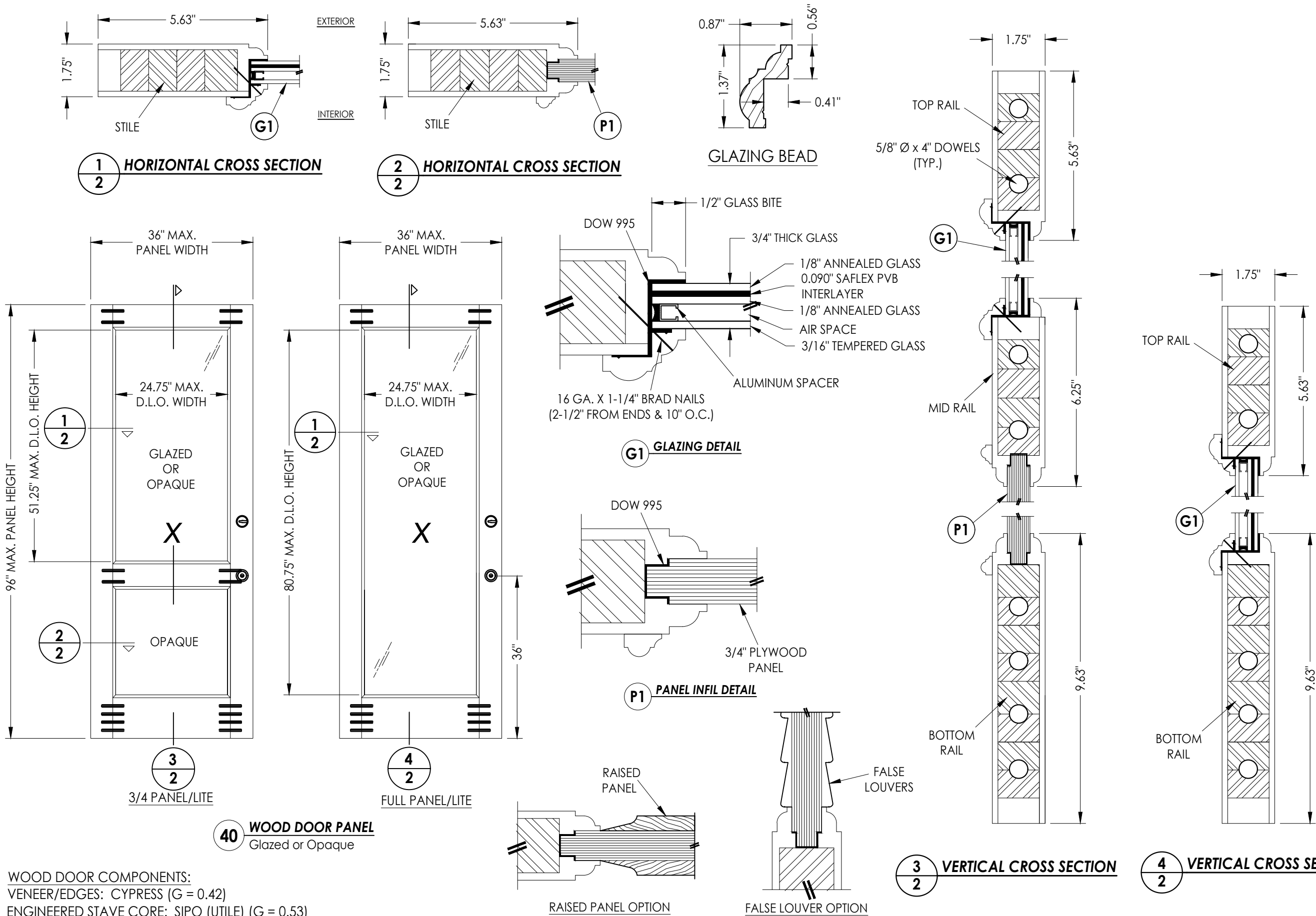
CHK. BY: LFS

DRAWING NO.:
FL-22393.4

SHEET 1 OF 11

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

Documents Prepared By:
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P.E. No. 43409

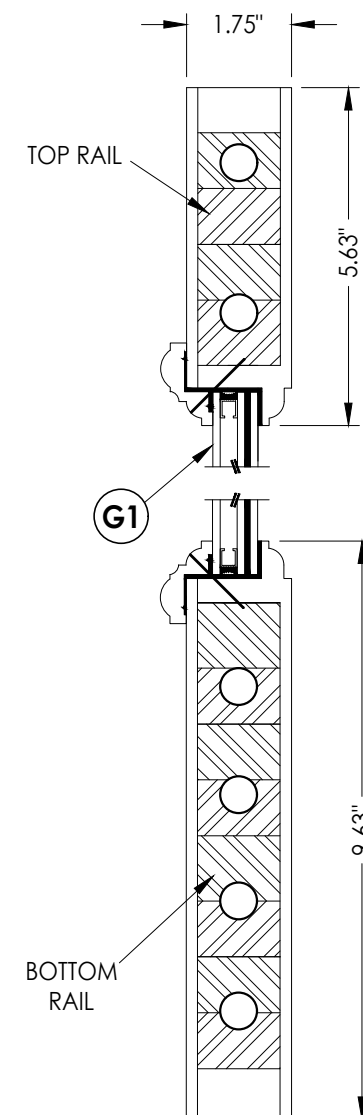
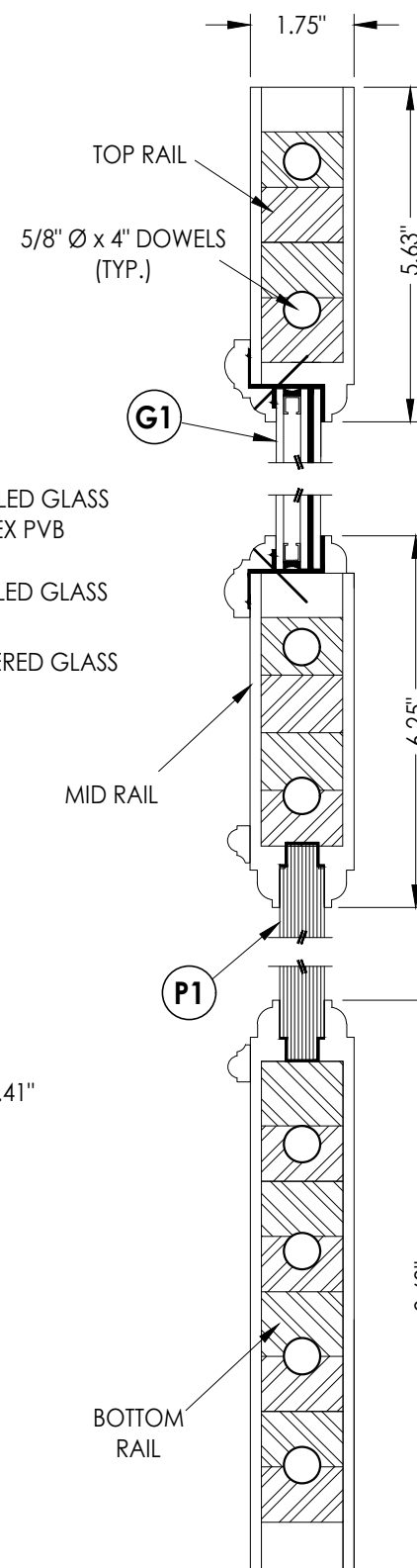
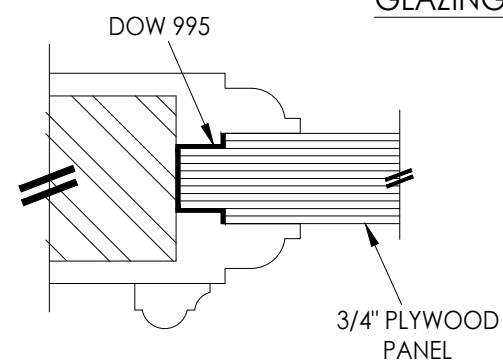
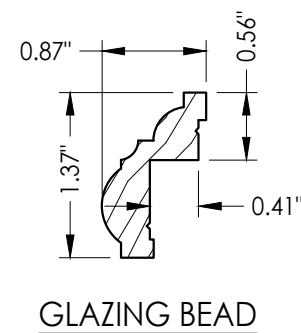
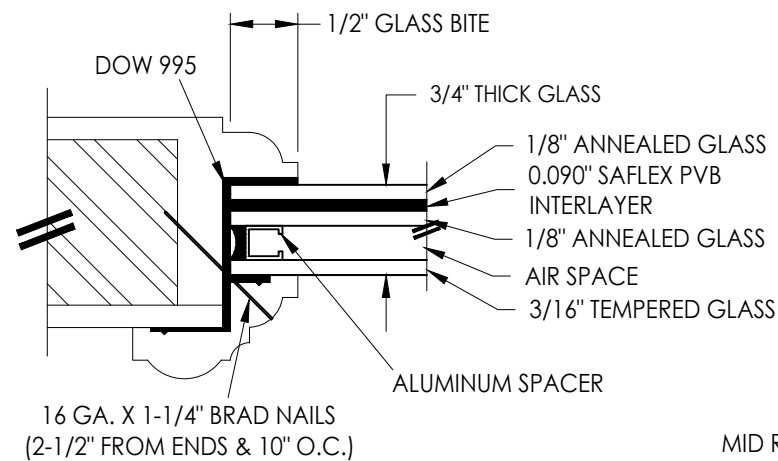
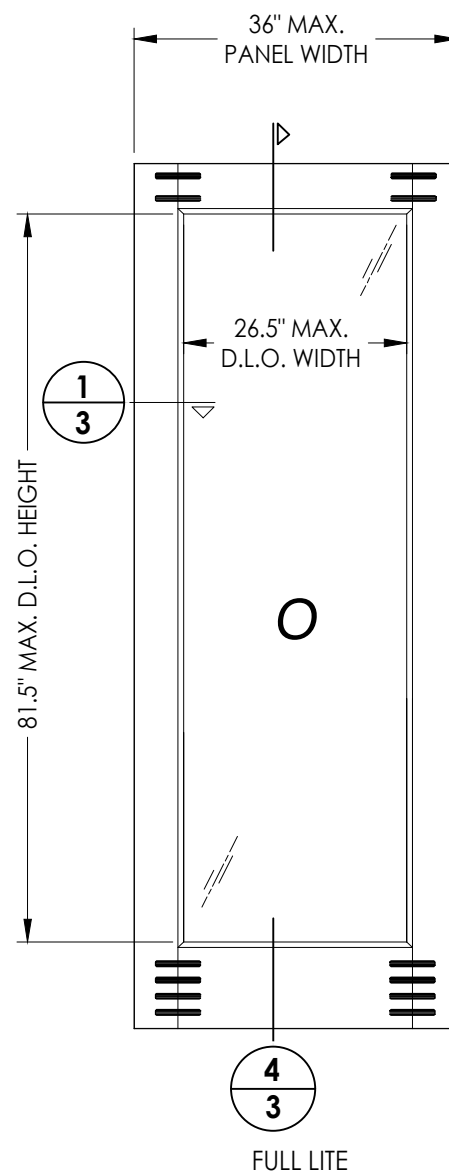
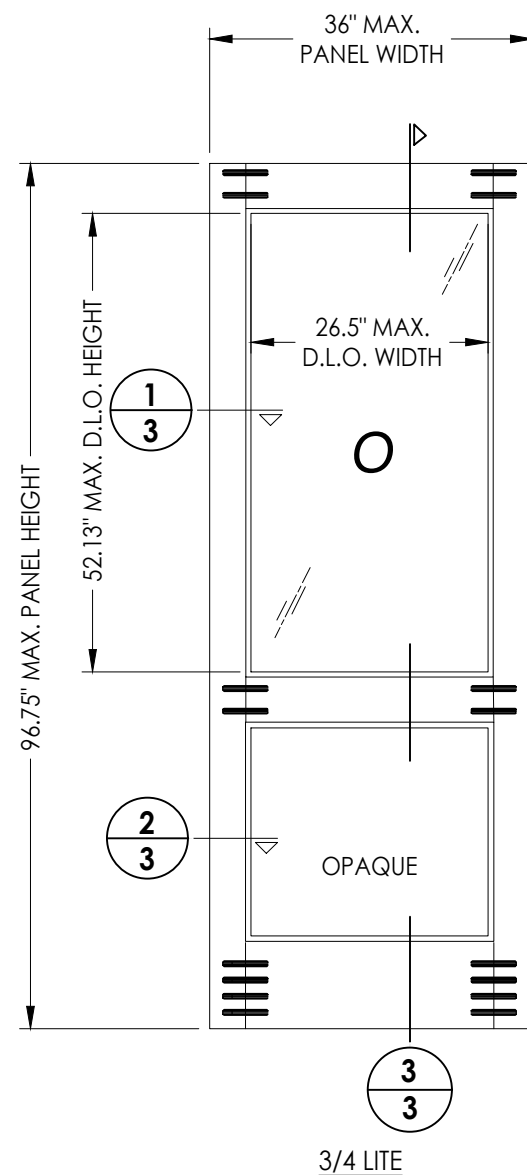
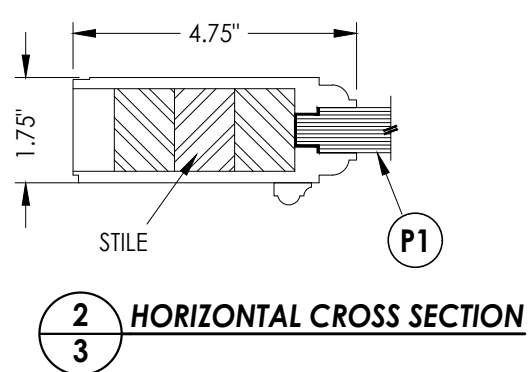
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
ALL PHASE CUSTOM MILL SHOP
"Impact" Wood Doors

PART OR ASSEMBLY:
DOOR PANEL
DETAILS

NO.	DATE	REVISIONS
3	9/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/02/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	10/12/17	UPDATE TO 6TH ED. (2017) FBC JK

DATE: 6/5/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-22393.4
SHEET 2 OF 11



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

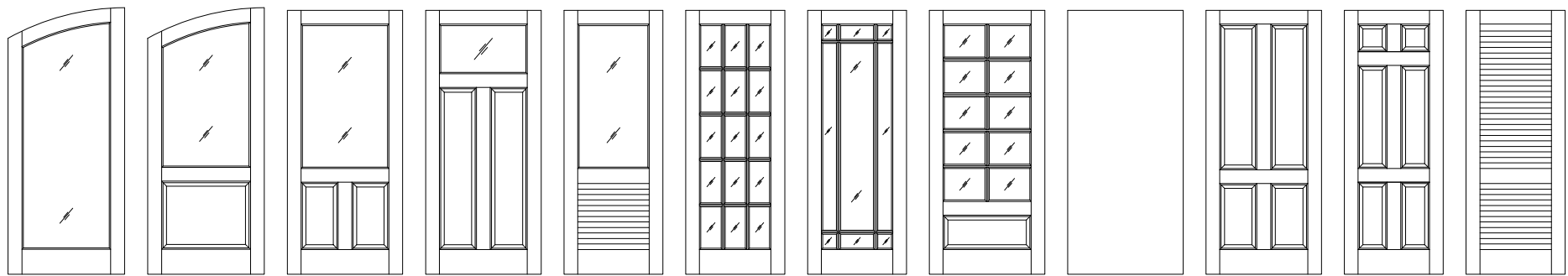
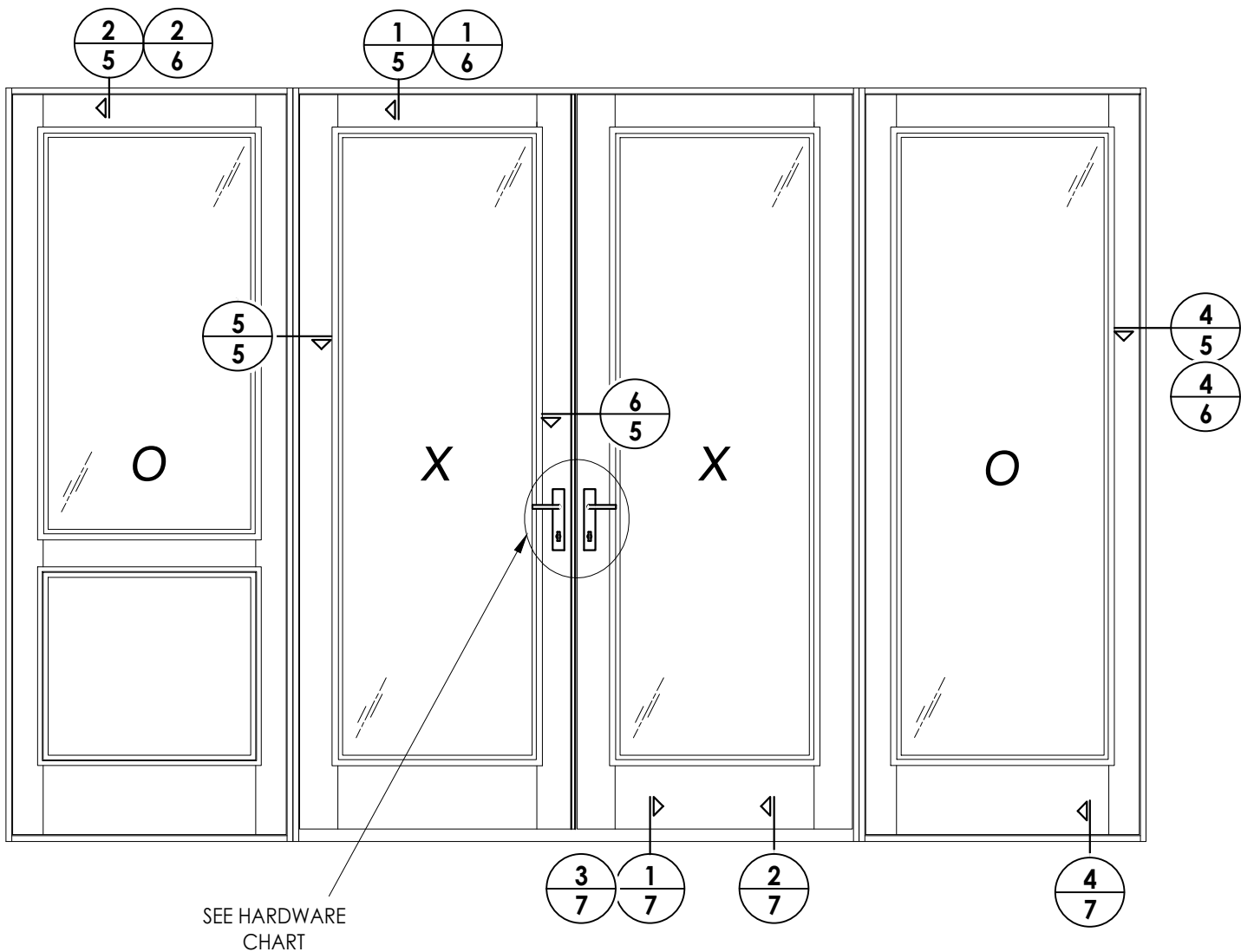
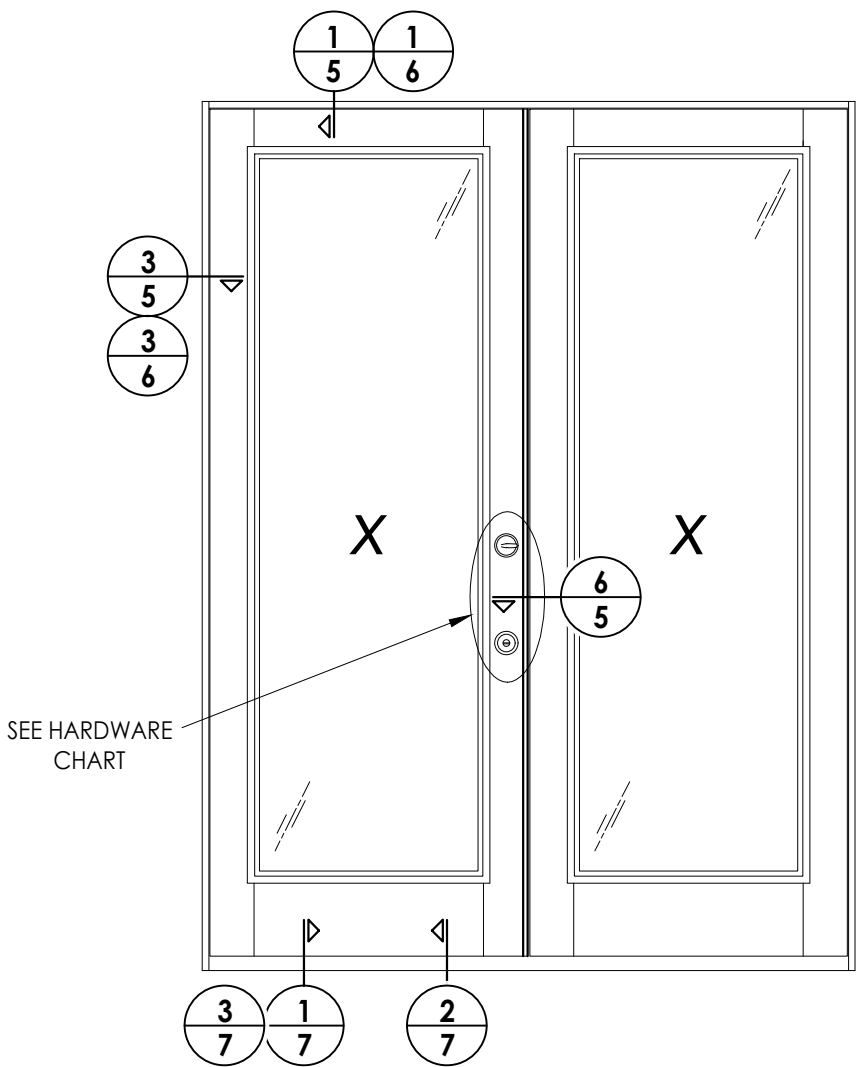
50 WOOD SIDELITE PANEL

[illegible]

Documents Prepared By:
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ALL PHASE CUSTOM MILL SHOP Door Panel Options
Panel options shown are for illustration and are representative only.
Surface applied muntins are used for simulated divided lites shown.

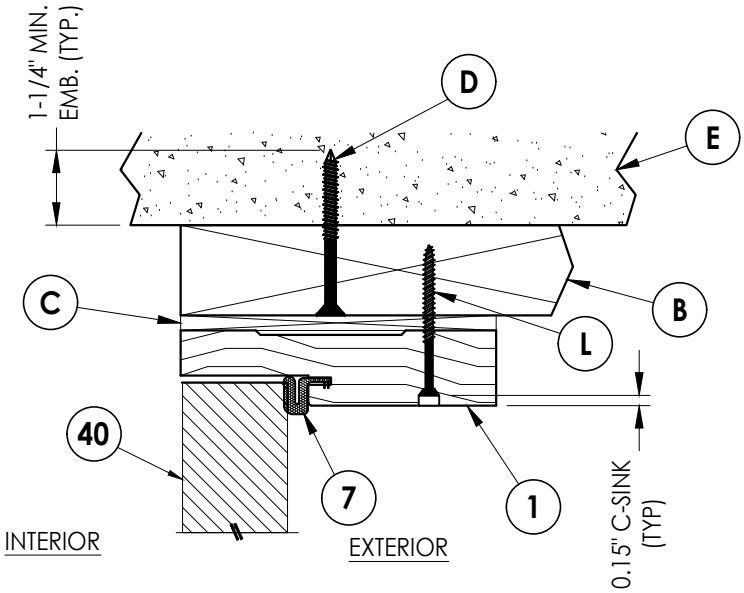
HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
HOPPE	HLS9000 MULTIPOINT HARDWARE	
	ACTIVE :	TONGUE/SHOOTBOLT
	INACTIVE:	SHOOTBOLT

PRODUCT:		ALL PHASE CUSTOM MILL SHOP	
		"Impact" Wood Doors	
PART OR ASSEMBLY:		ELEVATIONS	
		LFS	LFS
		FBC	FBC
		FBC	FBC
		JK	JK
		BY	BY
REVISIONS			
3	9/27/23	UPDATE TO 8TH ED.	(2023)
2	9/02/20	UPDATE TO 7TH ED.	(2020)
1	10/12/17	UPDATE TO 6TH ED.	(2017)
NO.	DATE		
DATE: 6/5/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-22393.4			
SHEET 4 OF 11			

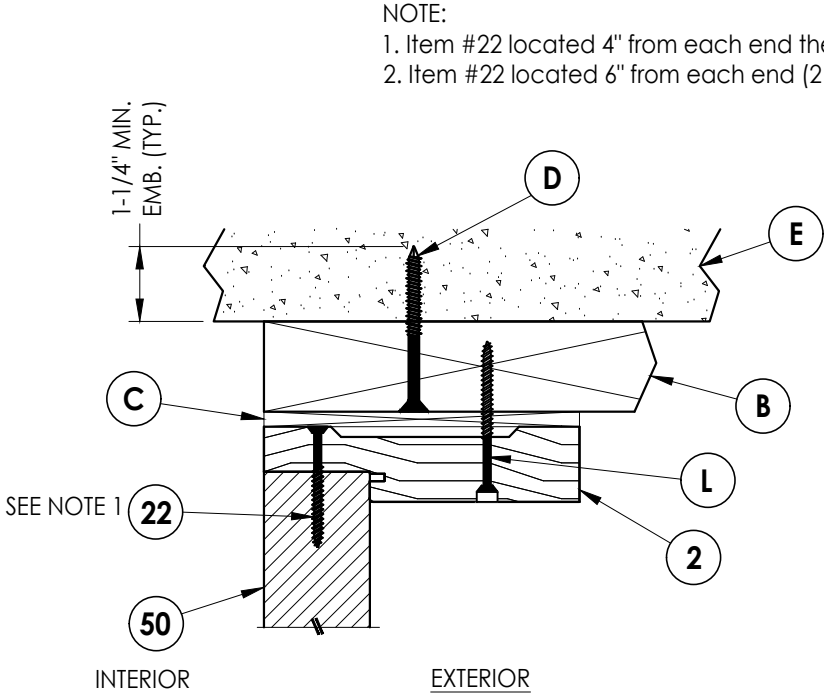
Documents Prepared By:
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P.E. No. 43409

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

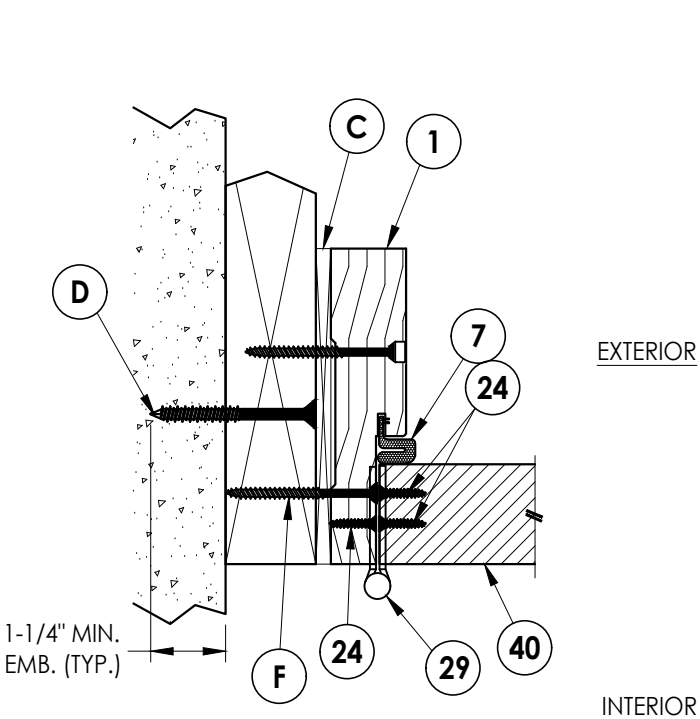
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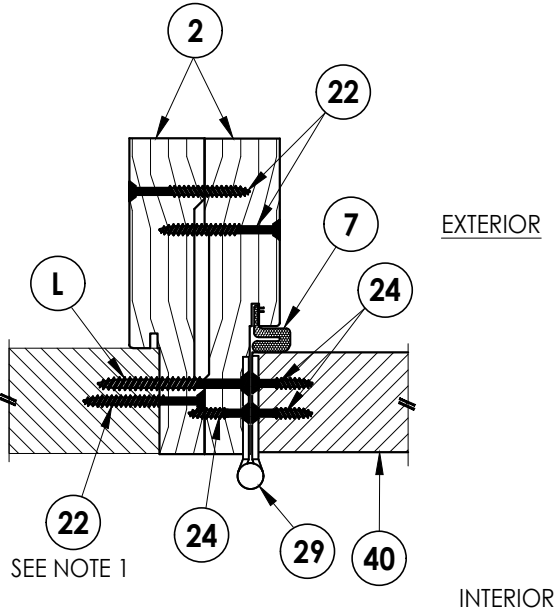
1 **VERTICAL CROSS SECTION**
5 Shown w/ 2X Buck
Inswing shown (Outswing similar)



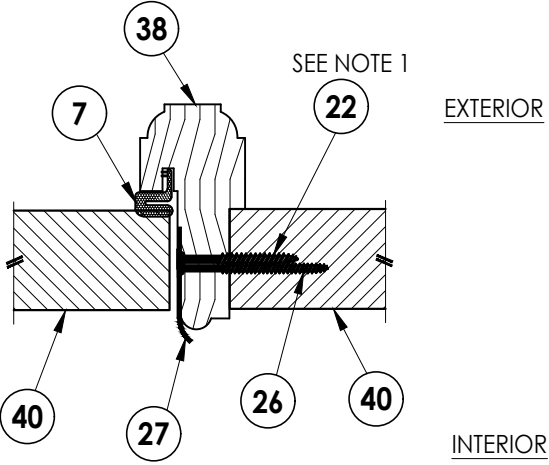
2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Inswing shown (Outswing similar)



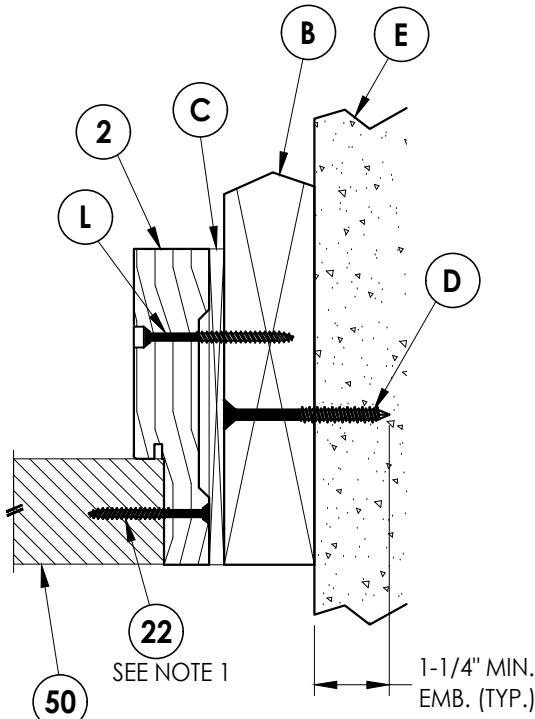
3 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Inswing shown (Outswing similar)



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



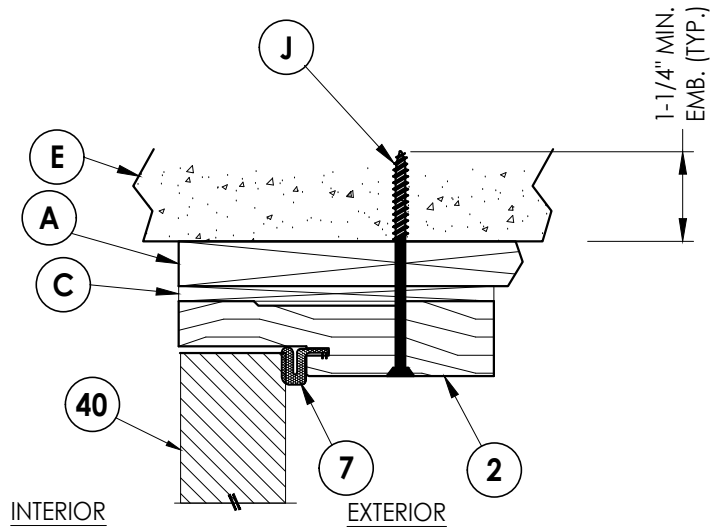
6 **HORIZONTAL CROSS SECTION**
5 Inswing shown (Outswing similar)



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

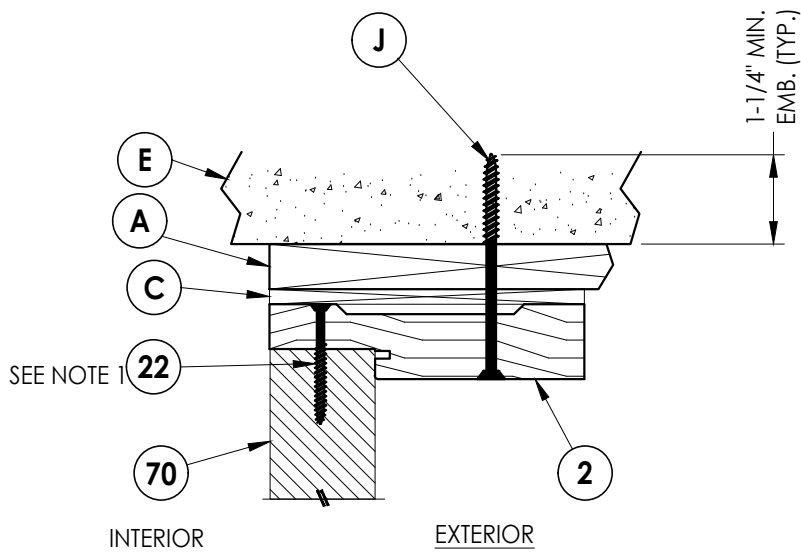
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: ALL PHASE CUSTOM MILL SHOP "Impact" Wood Doors		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
		LFS	BY
		FBC	JK
		FBC	JK
		FBC	JK
		DATE	DATE
REVISIONS			
DATE: 6/5/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-22393.4			
SHEET 5 OF 11			

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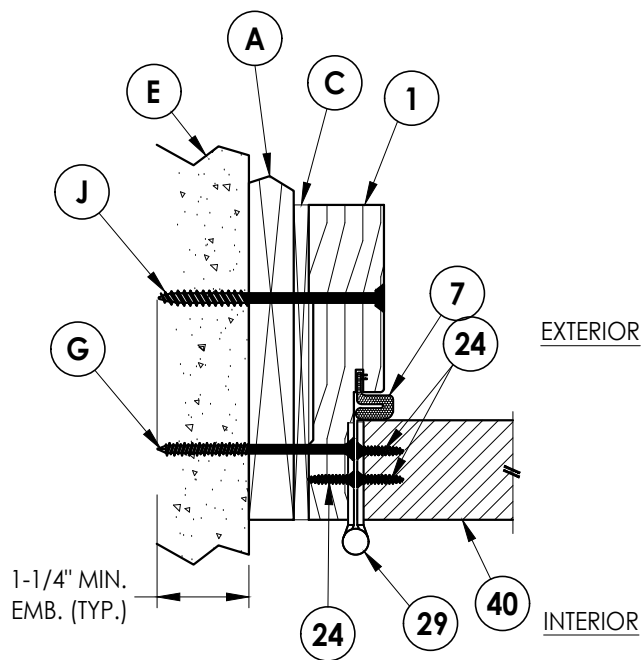


1
6 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck
Inswing shown (Outswing similar)

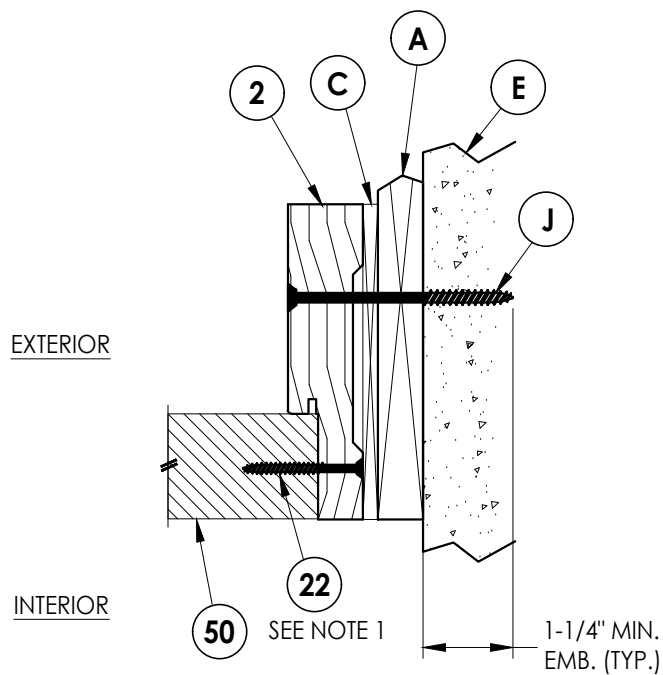
NOTE:
1. Item #22 located 4" from each end then 7 more (9 total).
2. Item #22 located 6" from each end (2 total).



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



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



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

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 Registry No. 9813

PRODUCT:
ALL PHASE CUSTOM MILL SHOP
"Impact" Wood Doors

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS			
		BY	DATE	DESCRIPTION	DATE
3	9/27/23	LFS		UPDATE TO 8TH ED. (2023) FBC	
2	9/02/20	LFS		UPDATE TO 7TH ED. (2020) FBC	
1	10/12/17	JK		UPDATE TO 6TH ED. (2017) FBC	

DATE: 6/5/17

SCALE: N.T.S.

DWG. BY: JK

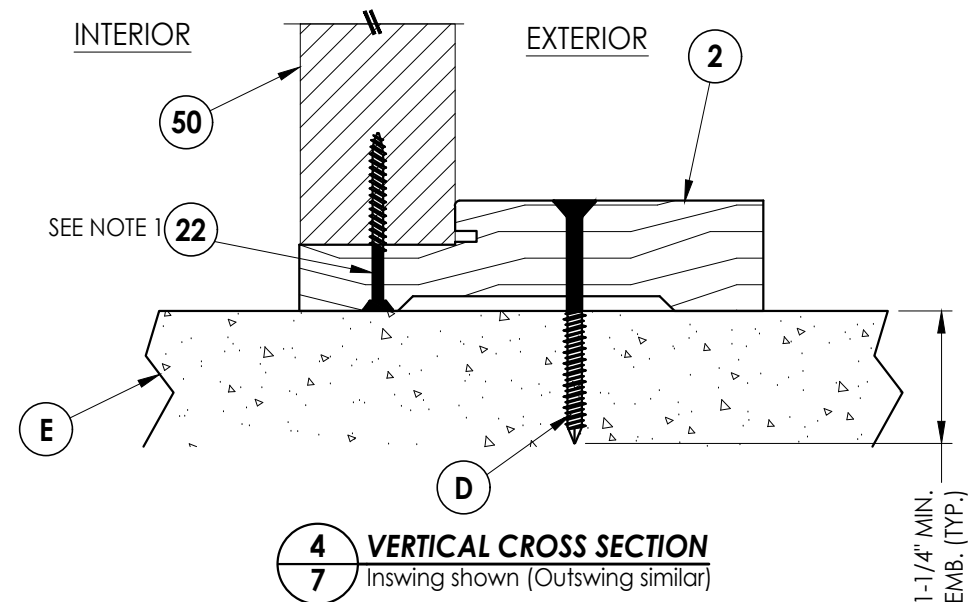
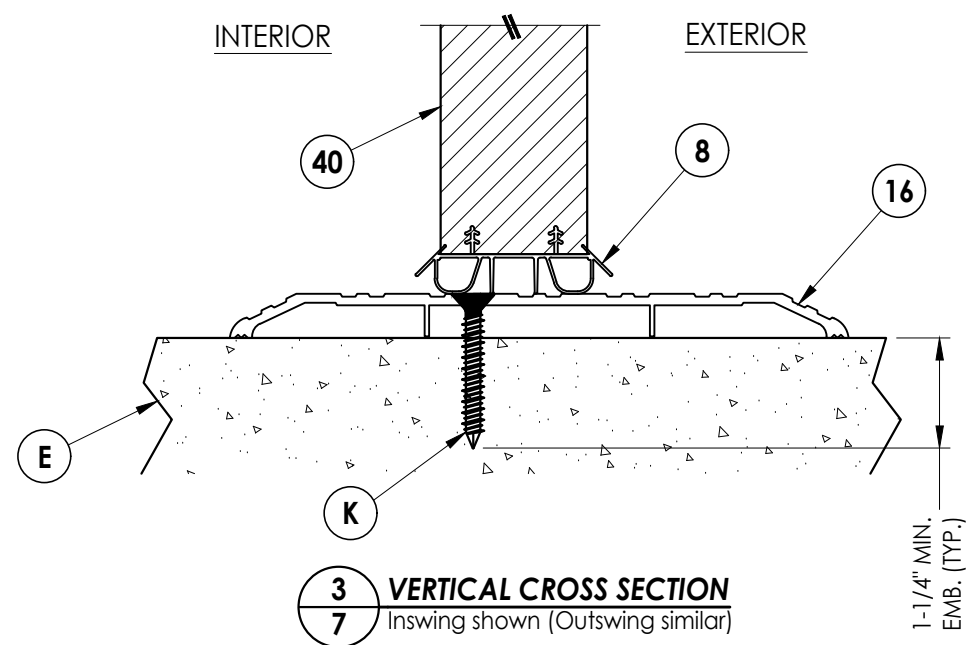
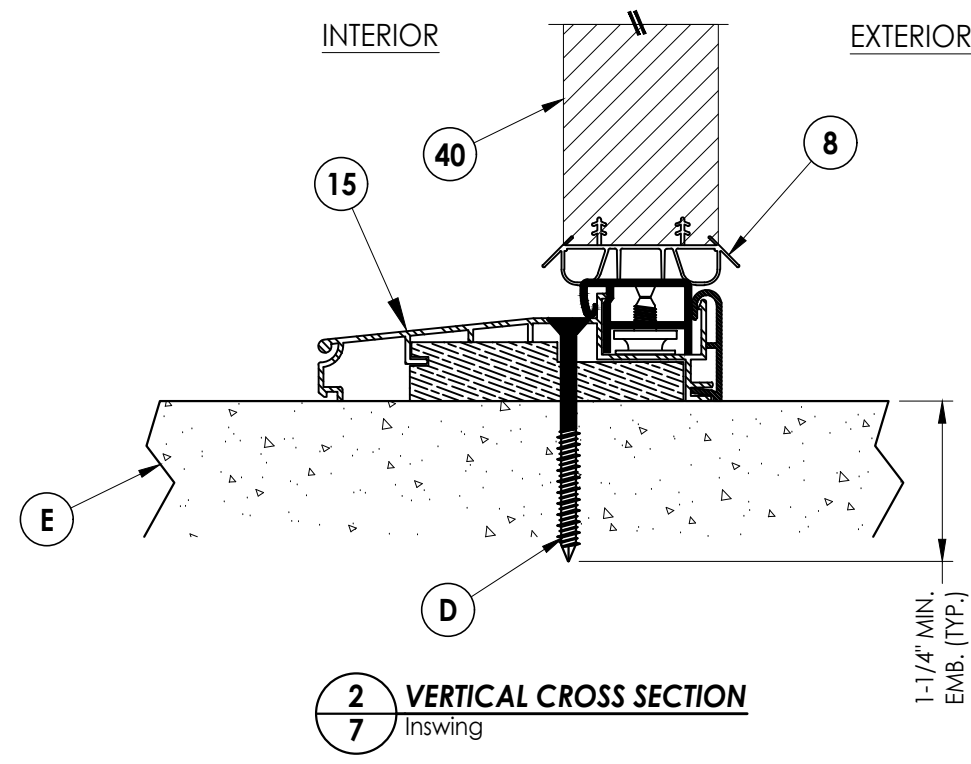
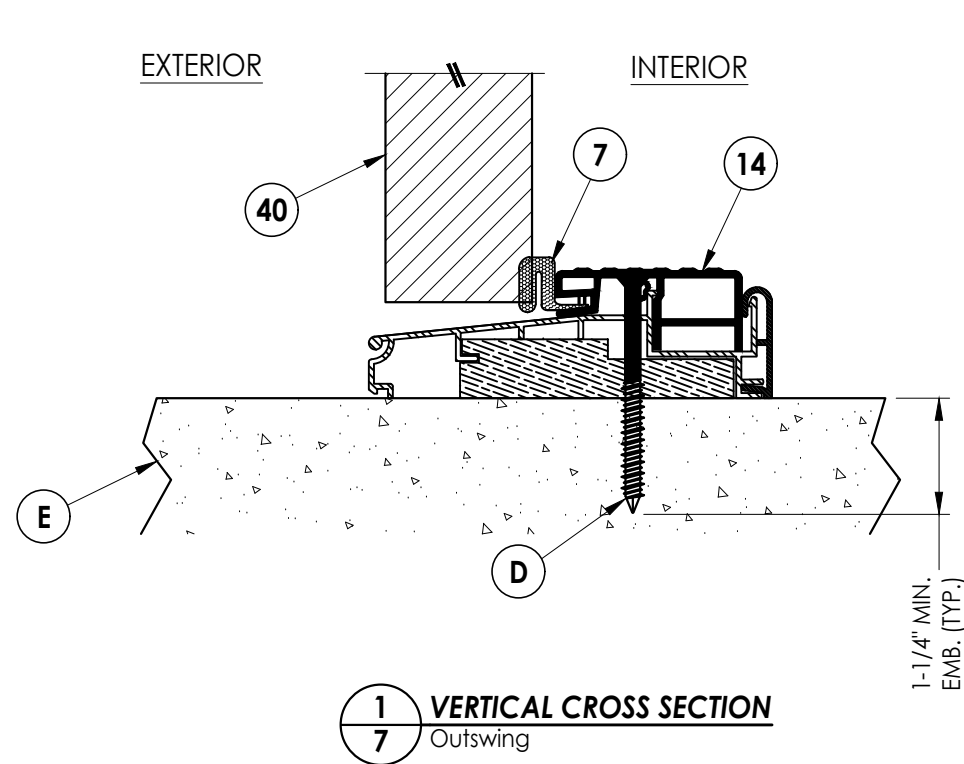
CHK. BY: LFS

DRAWING NO.:

FL-22393.4

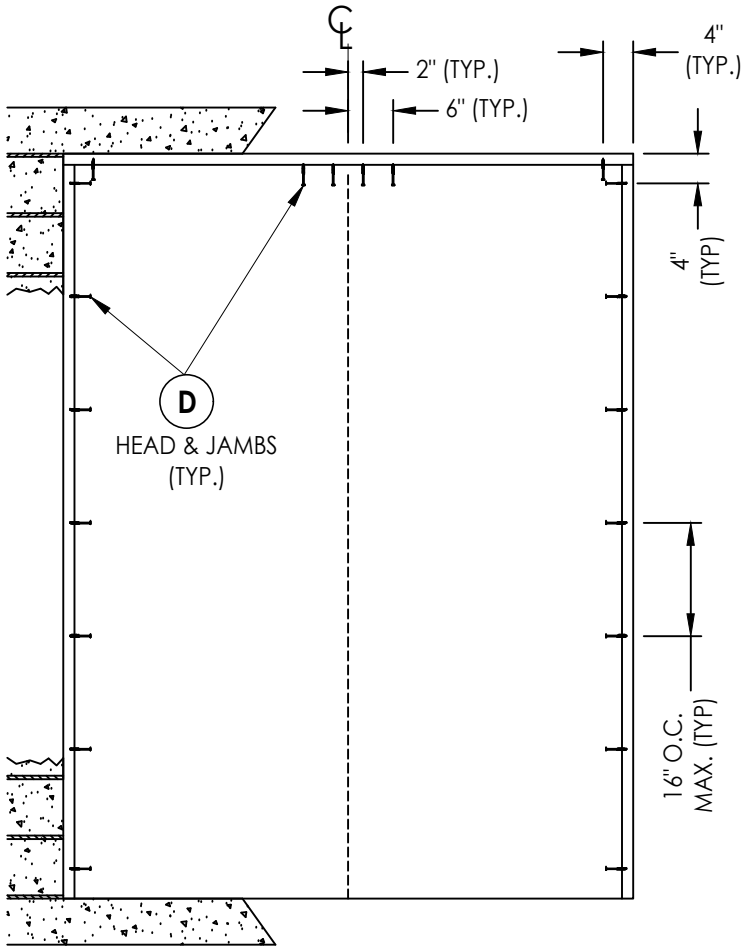
SHEET 6 OF 11

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

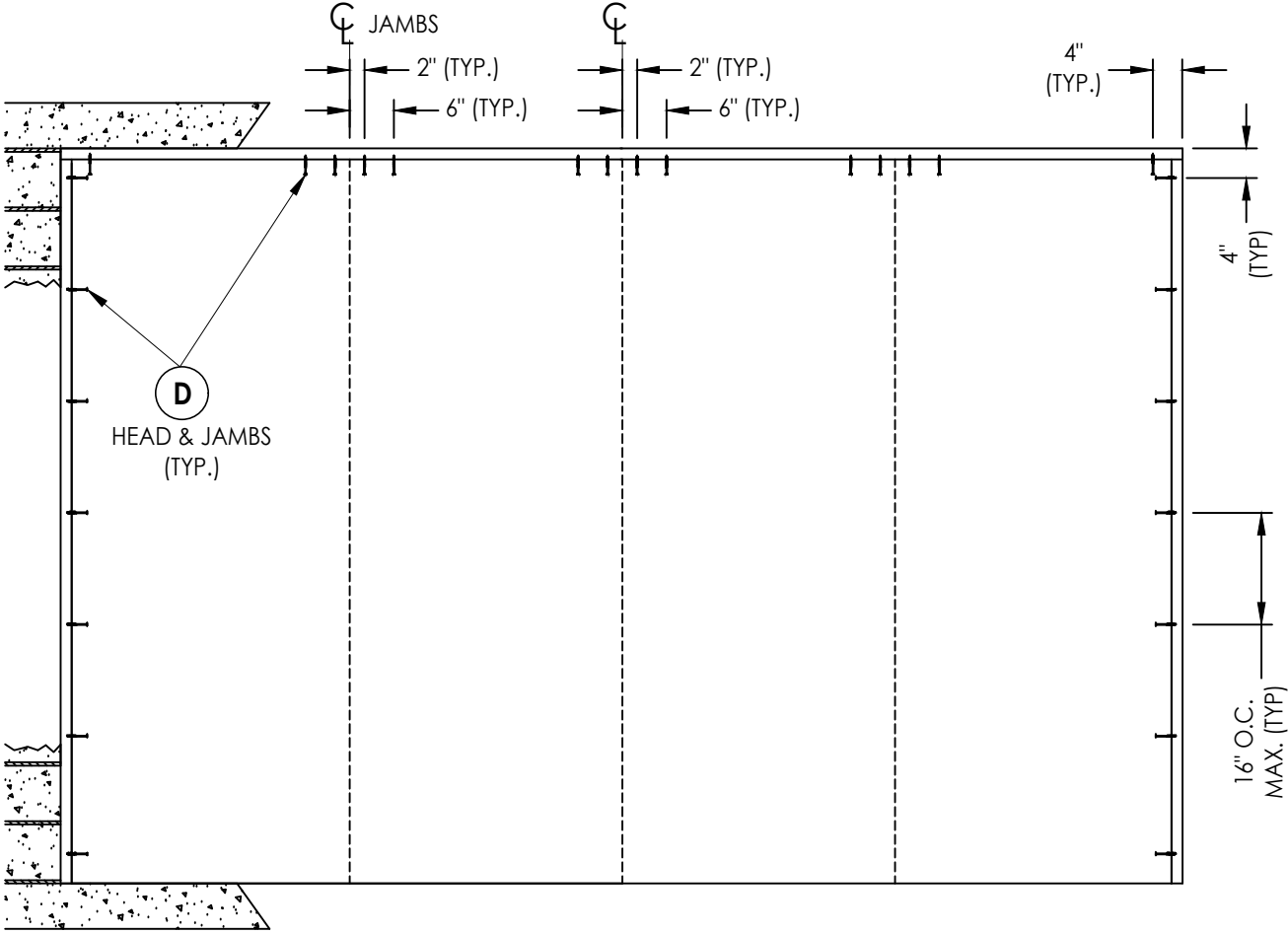
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Documents Prepared By:
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P.E. No. 43409

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



XX



OXXO

2X BUCK ANCHORING

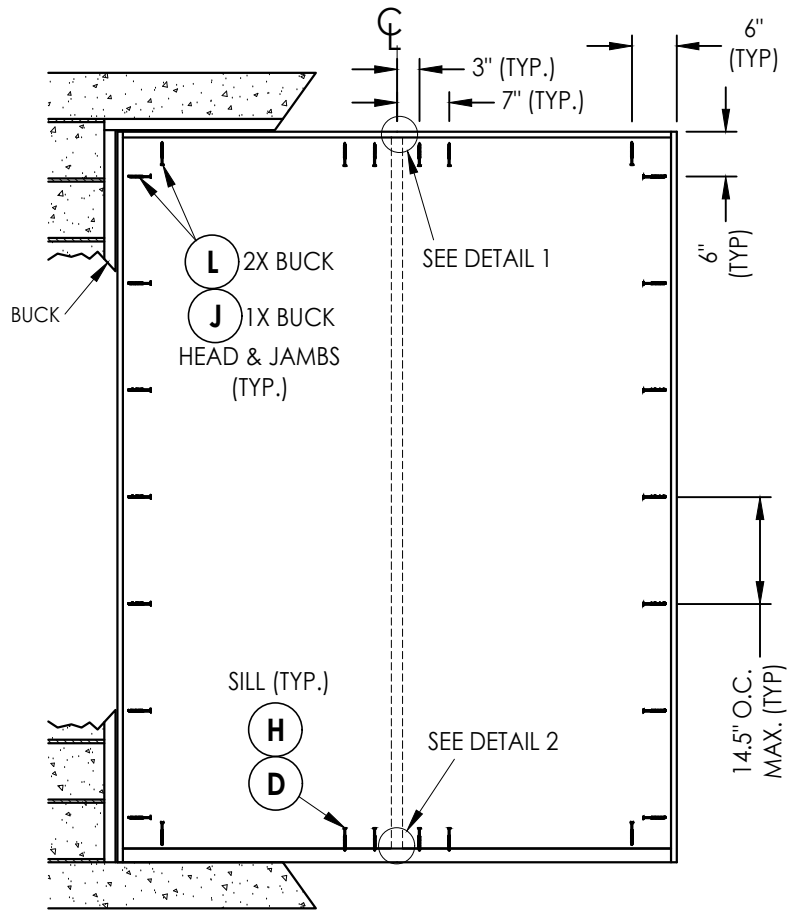
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-22393.4
SHEET	8 OF 11

NO.	DATE	REVISIONS
3	9/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/02/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	10/12/17	UPDATE TO 6TH ED. (2017) FBC JK
		BY

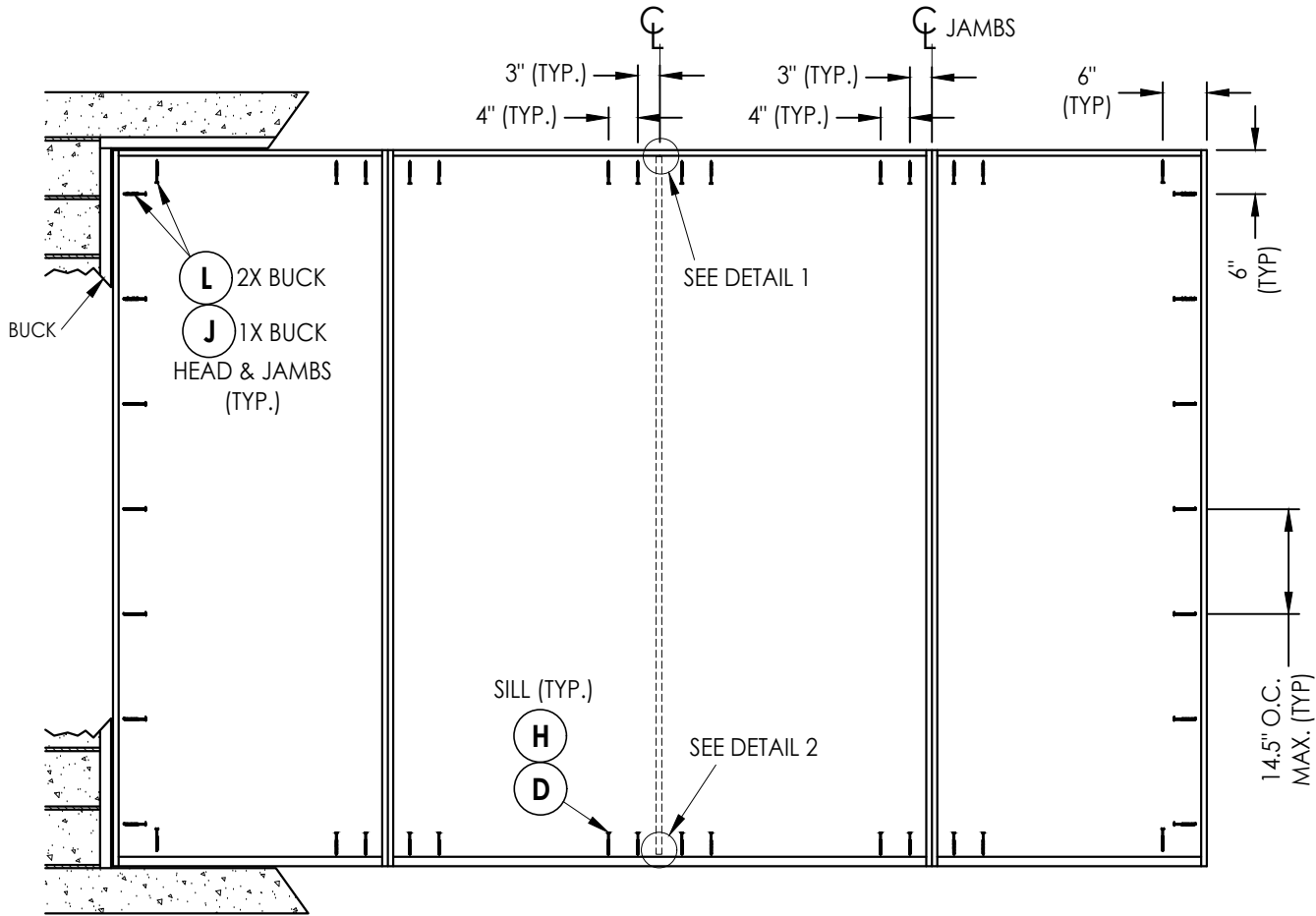
PRODUCT:	ALL PHASE CUSTOM MILL SHOP Impact Wood Doors
PART OR ASSEMBLY:	BUCK ANCHORING

Documents Prepared By:	Lyndon F. Schmidt P.E. No. 43409
	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813

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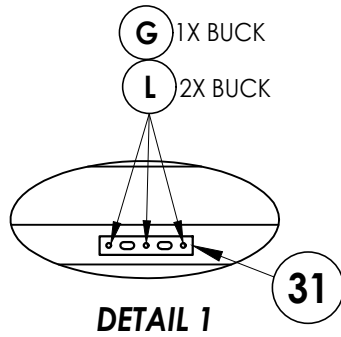


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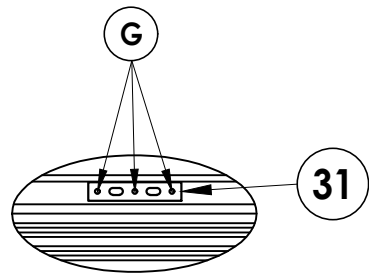


OXXO

FRAME ANCHORING



DETAIL 1



DETAIL 2

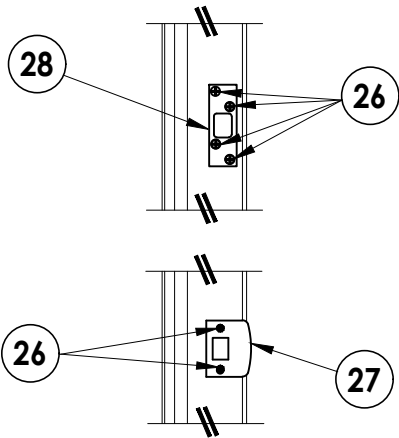
NOTE:
1. ALL FRAME CORNERS SECURED WITH (3) #8 X 2-1/2" FH DEEP THREAD WOOD SCREWS.

PRODUCT:		ALL PHASE CUSTOM MILL SHOP	
		Impact Wood Doors	
PART OR ASSEMBLY:		FRAME ANCHORING & HARDWARE DETAILS	
		LFS	LFS
		JK	BY
		REVISIONS	
		NO.	DATE
3	9/27/23	UPDATE TO 8TH ED. (2023)	FBC
2	9/02/20	UPDATE TO 7TH ED. (2020)	FBC
1	10/12/17	UPDATE TO 6TH ED. (2017)	FBC
DATE: 6/5/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-22393.4			
SHEET 9 of 11			

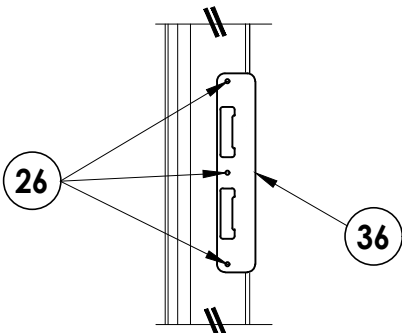
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

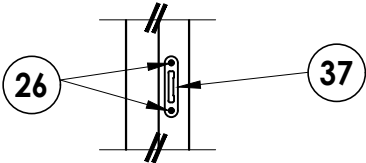
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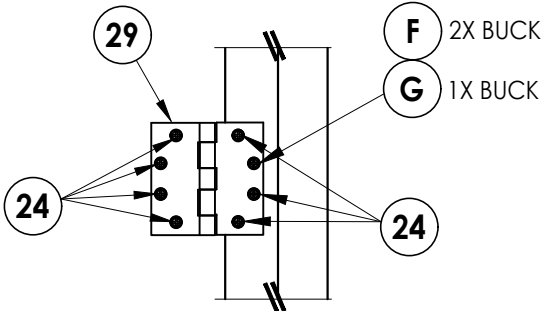
LATCH & DEADBOLT STRIKE PLATE DETAIL



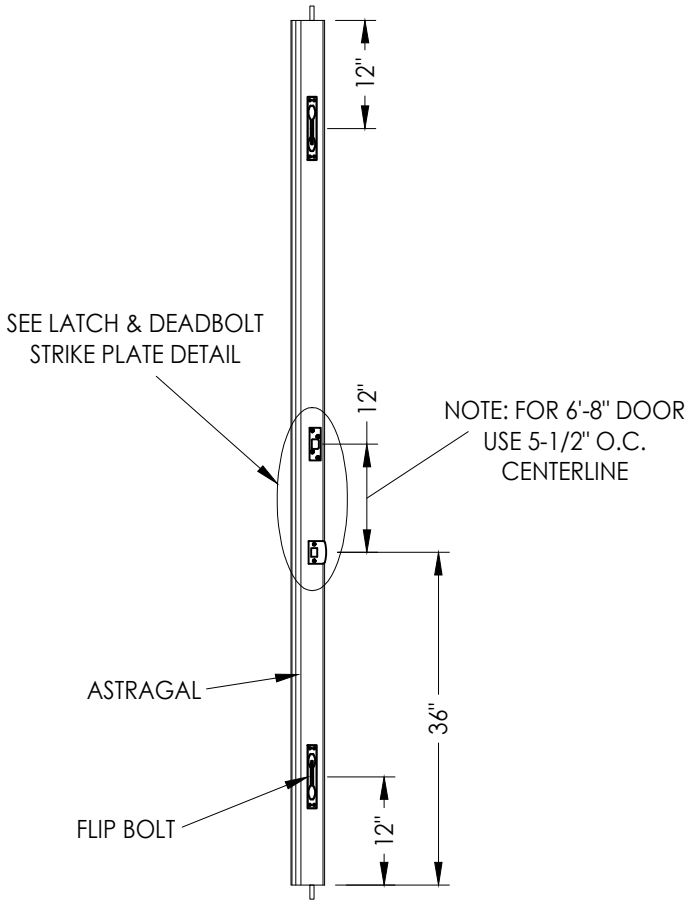
MULTIPOINT STRIKE PLATE DETAIL



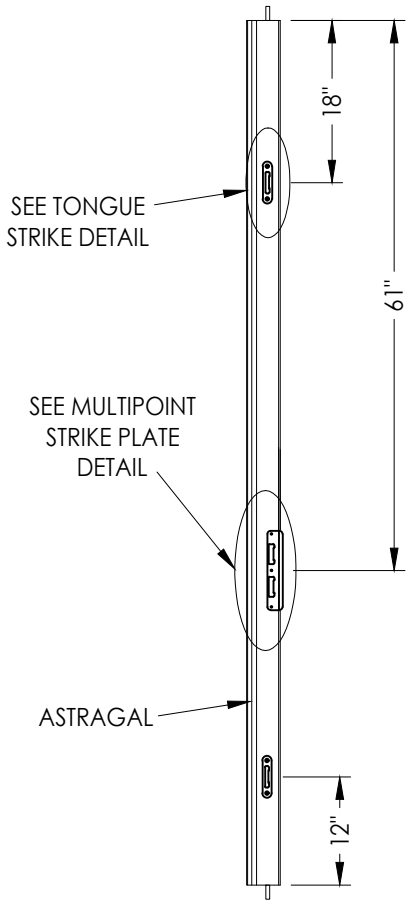
TONGUE STRIKE PLATE DETAIL



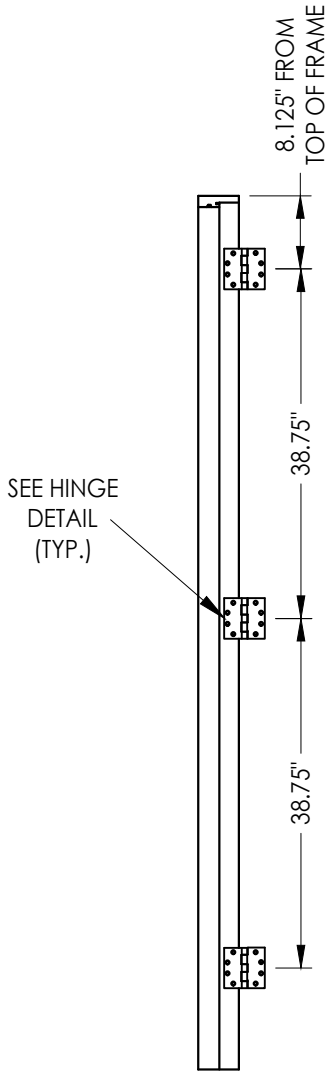
HINGE DETAIL



LATCH & DEADBOLT DETAILS



MULTIPOINT LOCK DETAILS



HINGE JAMB

DATE: 6/5/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-22393.4

SHEET 10 OF 11

PRODUCT:
ALL PHASE CUSTOM MILL SHOP
Impact® Wood Doors

PART OR ASSEMBLY:
HARDWARE DETAILS

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

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

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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 DeWALT 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 DeWALT 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 DeWALT 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)

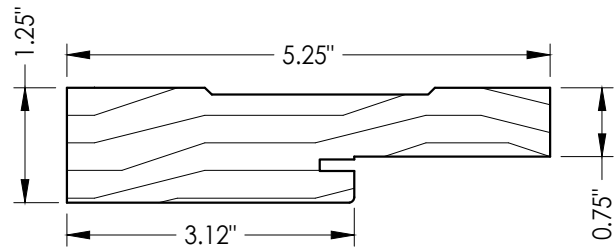
CONCRETE ANCHOR NOTES:

- 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:

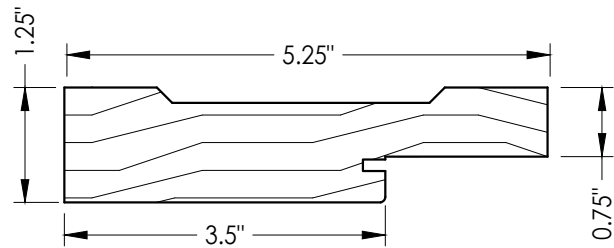
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

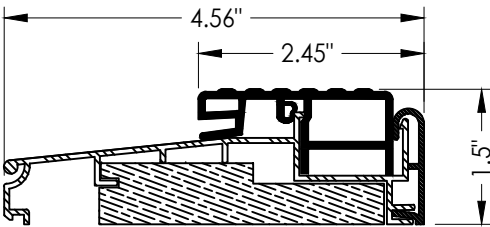
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



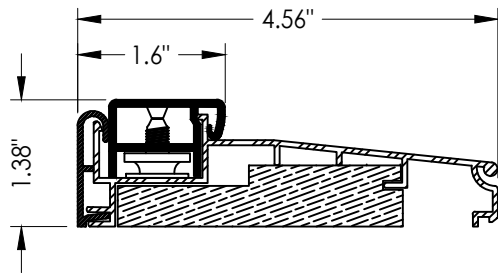
1 WOOD JAMB
(Door)



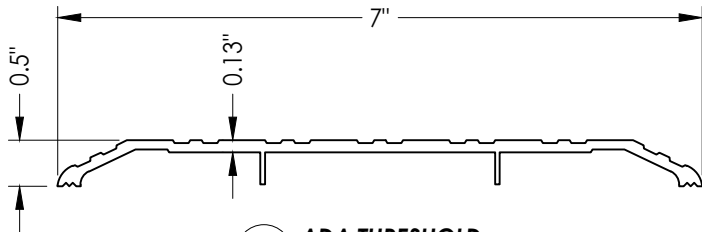
2 WOOD JAMB
(Sidelite)



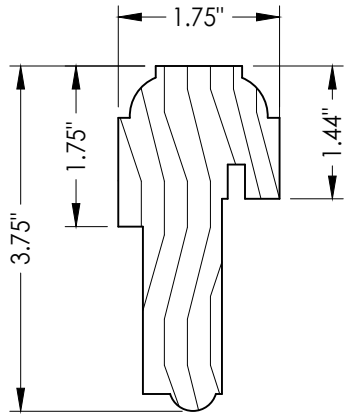
14 OUTSWING THRESHOLD
WORLDWIDE



15 INSWING THRESHOLD
WORLDWIDE



16 ADA THRESHOLD



38 ASTRAGAL

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

PRODUCT:
ALL PHASE CUSTOM MILL SHOP
"Impact" Wood Doors

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
3	9/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	9/02/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	10/12/17	UPDATE TO 6TH ED. (2017) FBC JK

DATE: 6/5/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-22393.4

SHEET 11 OF 11