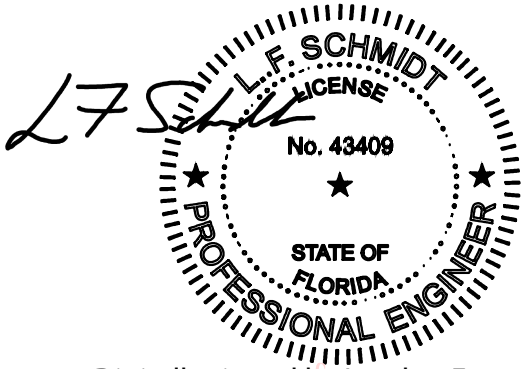
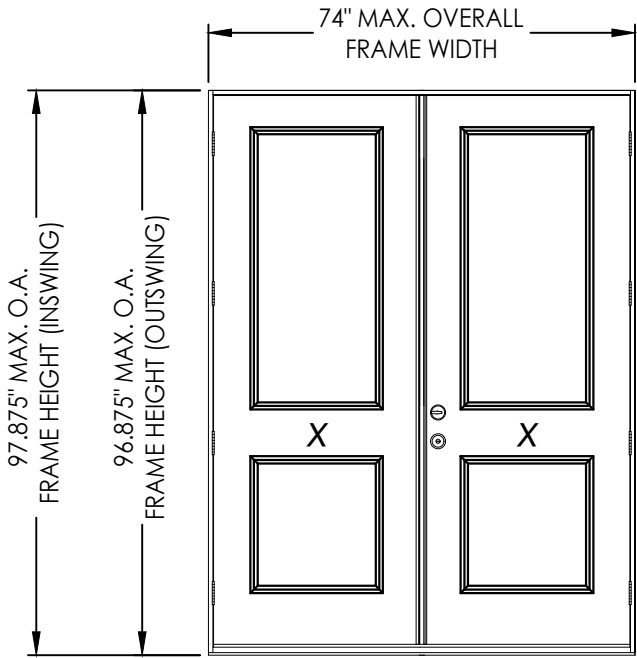


FIBERGLASS OPAQUE
DOUBLE DOOR
w/ or w/out SIDELITES
INSWING/OUTSWING
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 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.
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.

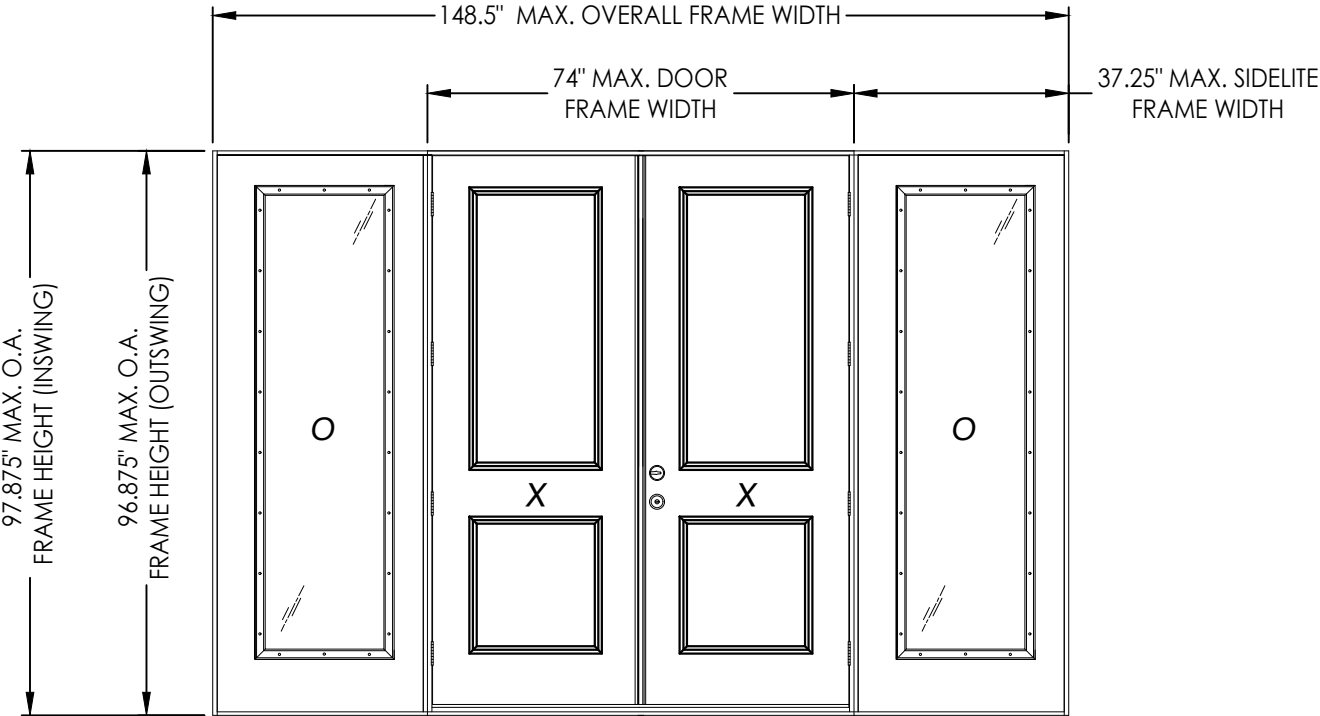
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details
4	Elevations
5	Horizontal & Vertical Cross Sections (2X Buck)
6	Horizontal & Vertical Cross Sections (1X Buck)
7	Vertical Cross Sections (Thresholds)
8	Buck Anchoring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



Digitally signed by Lyndon F Schmidt
Date: 2023.08.08 14:21:48 -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



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	+35.0	-40.0	+50.0	-50.0

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

PRODUCT:
MILLWORK 360
FIBERGLASS DOOR

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

2

8/08/23

UPDATE TO 8TH ED. (2023) FBC

LFS

1

9/21/20

UPDATE TO 7TH ED. (2020) FBC
& UPDATE IMPACT LITE FRAME

LFS

NO.

DATE

BY

REVISIONS

DATE: 3/24/20

SCALE: N.T.S.

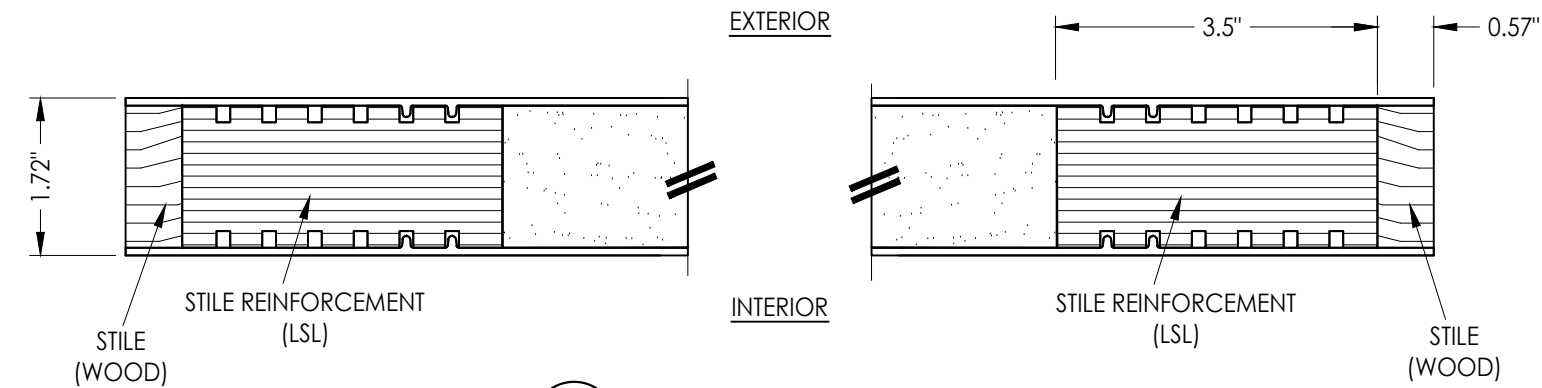
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CHK. BY: LFS

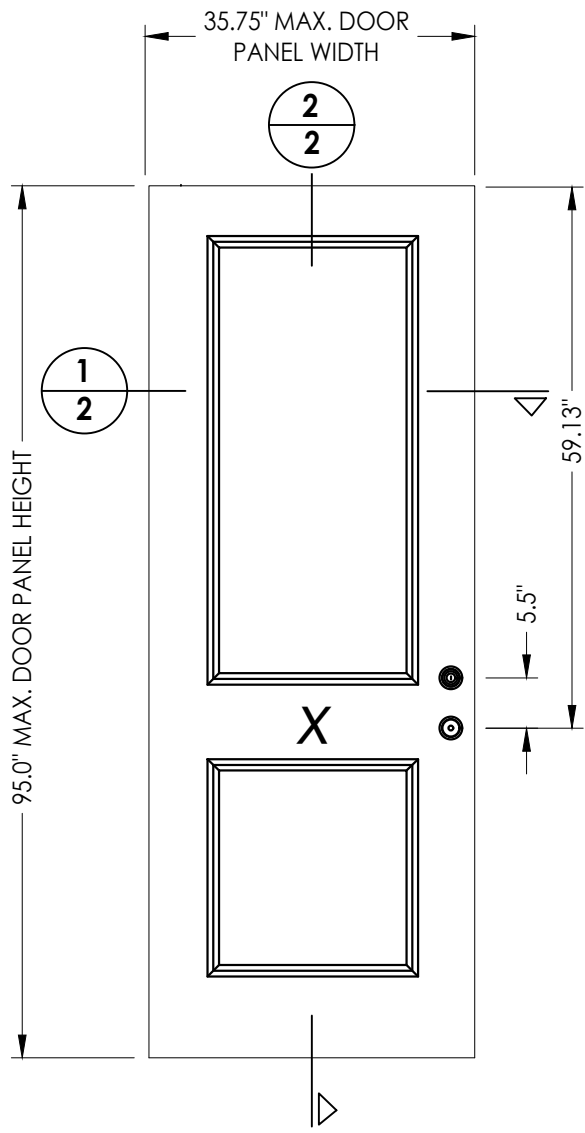
DRAWING NO.: FL-29241.4

SHEET 1 OF 11

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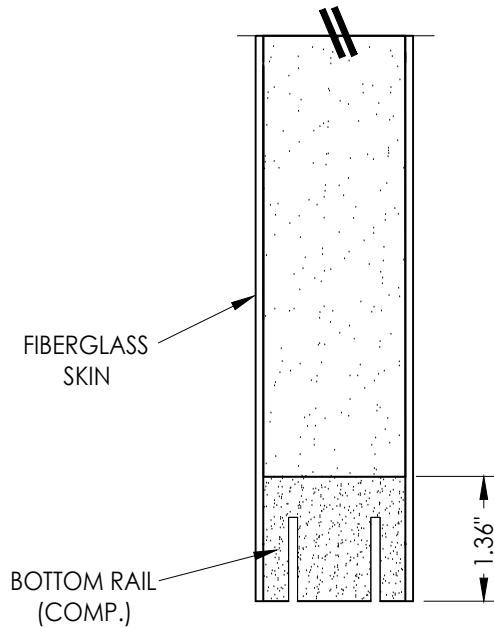
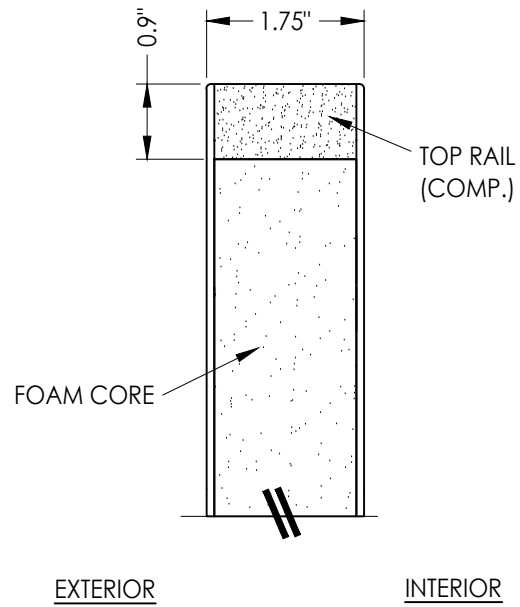


1
2 **HORIZONTAL CROSS SECTION**



40 **DOOR PANEL**
MasterGrain

FIBERGLASS DOOR SKIN: 0.095" MIN. THK.
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.



2
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 Registry No. 9813

PRODUCT:
MILLWORK 360
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
2	8/08/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC LFS
		& UPDATE IMPACT LITE FRAME

DATE: 3/24/20

SCALE: N.T.S.

DWG. BY: TRJ

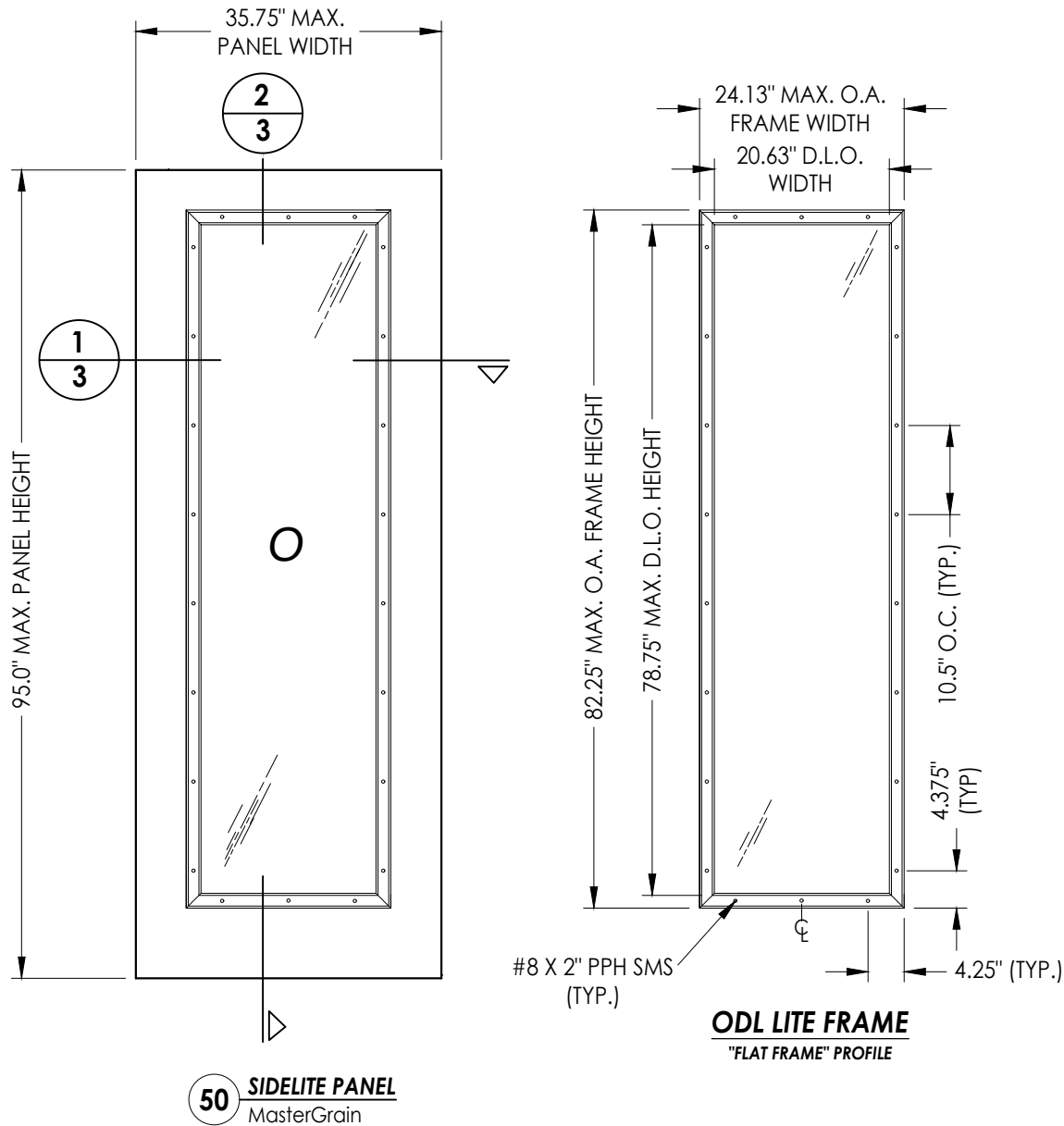
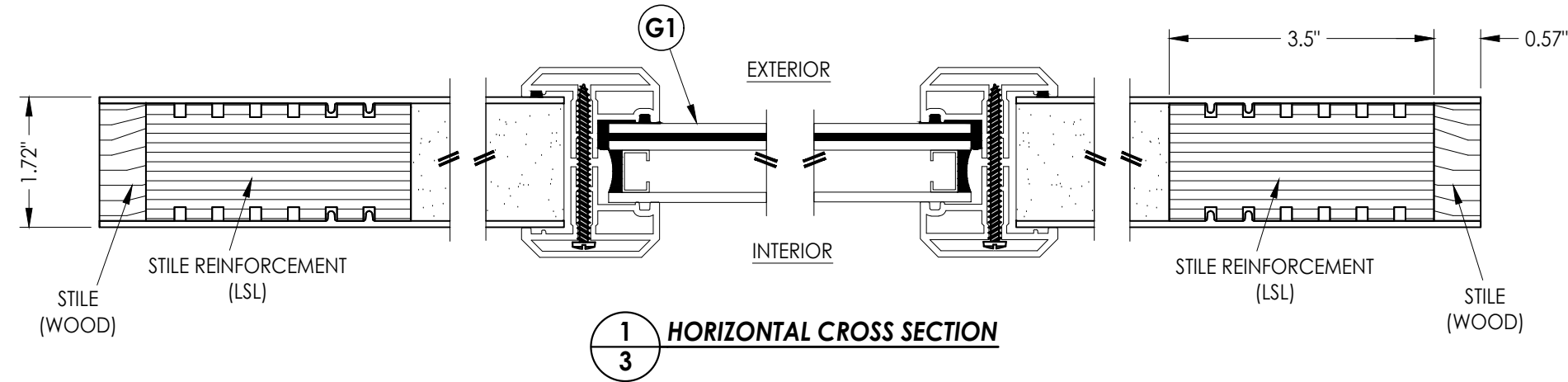
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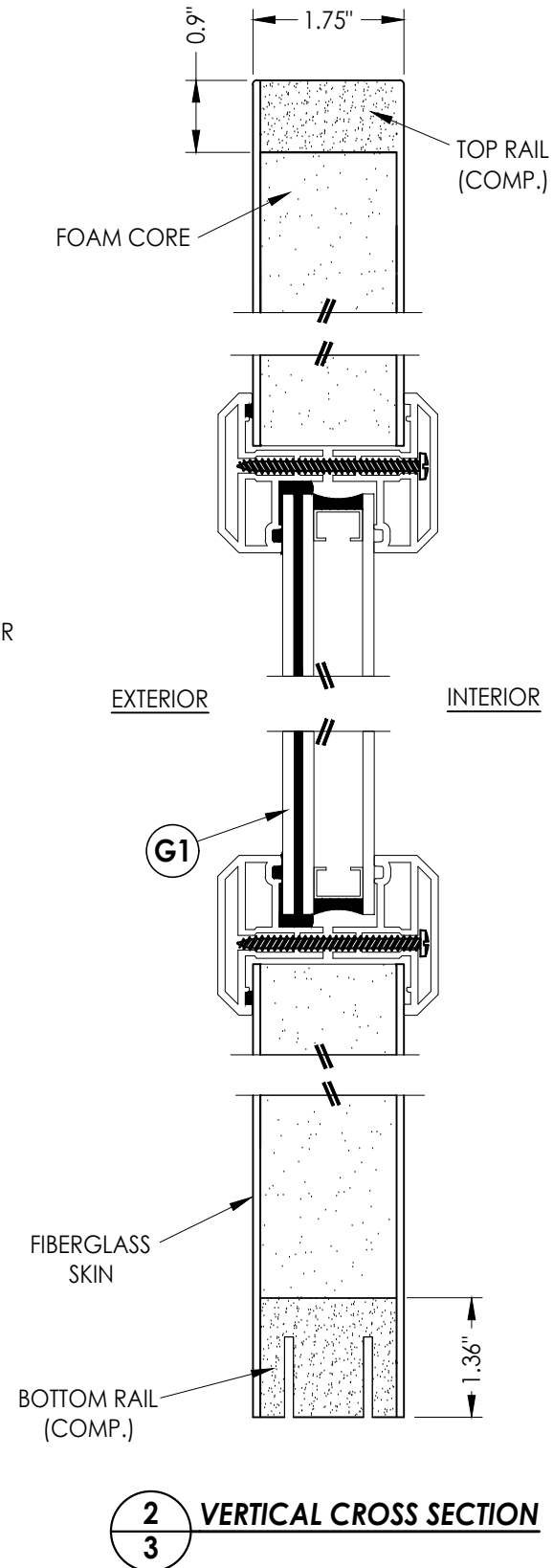
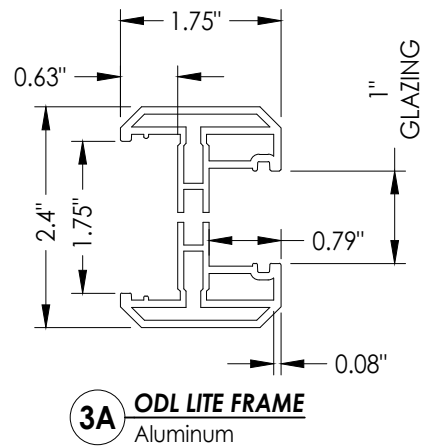
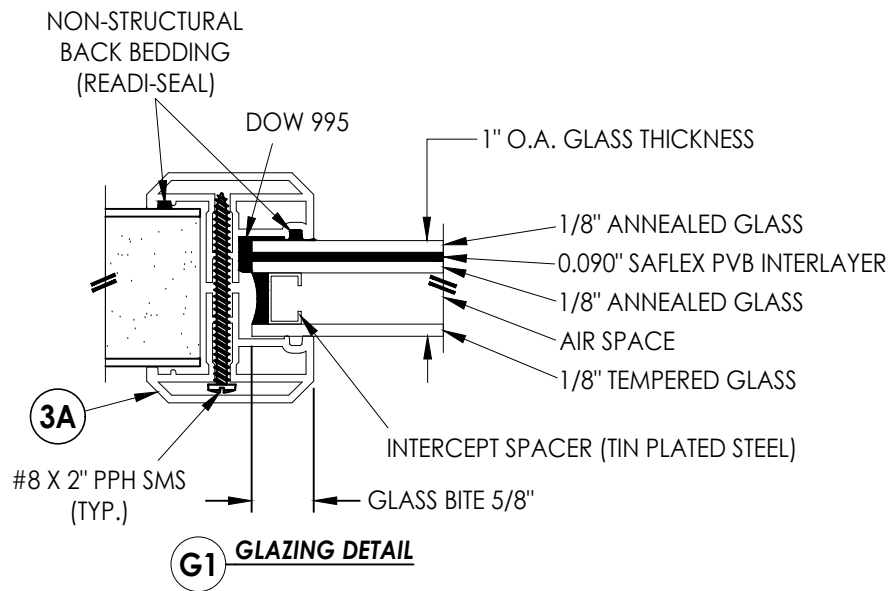
FL-29241.4

SHEET 2 OF 11

Z:\2023 FBC Drawings\Millwork 360\FL-29241 R3\FL-29241.4.dwg



FIBERGLASS SIDELITE SKIN: 0.095" MIN. THK.
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.



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

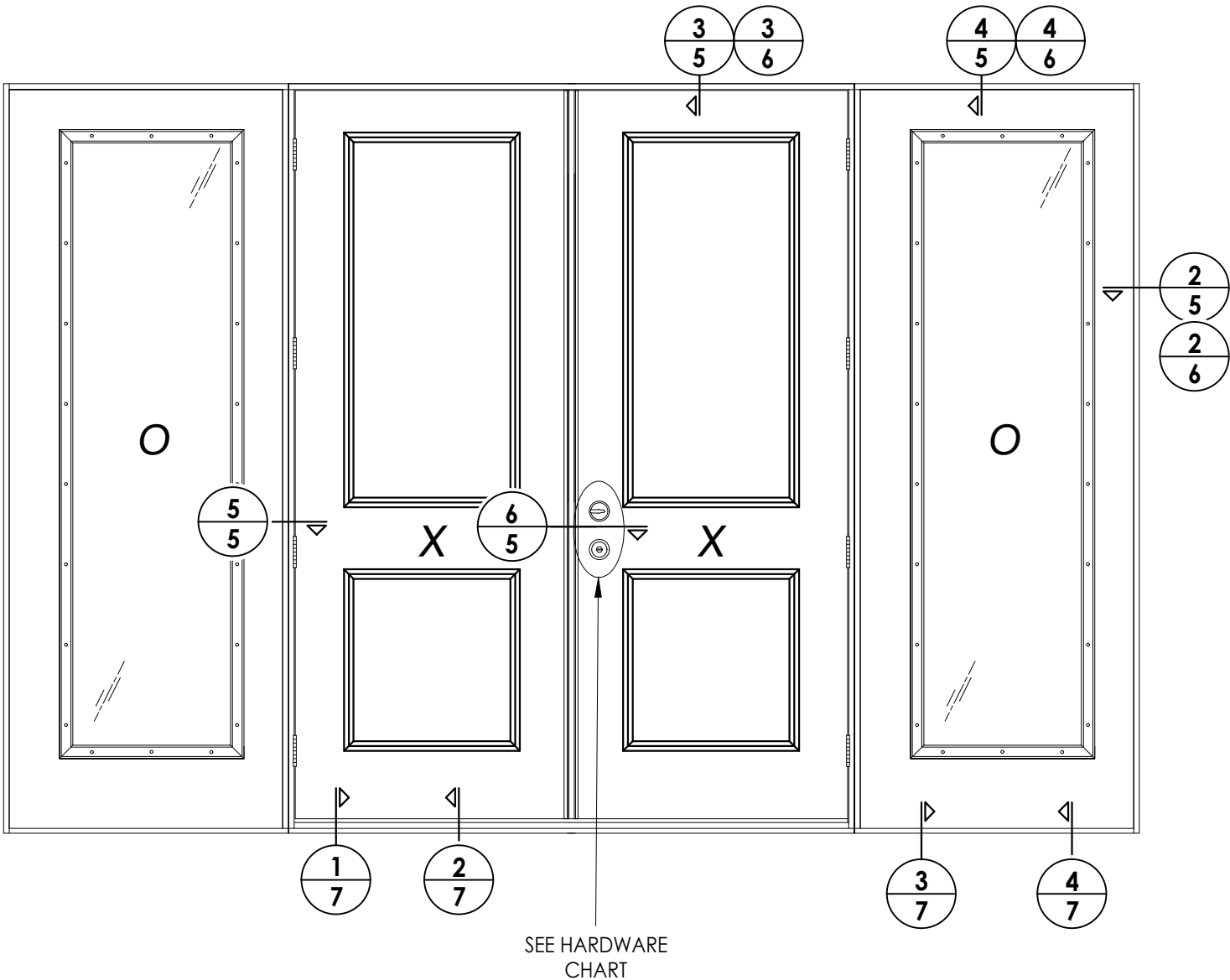
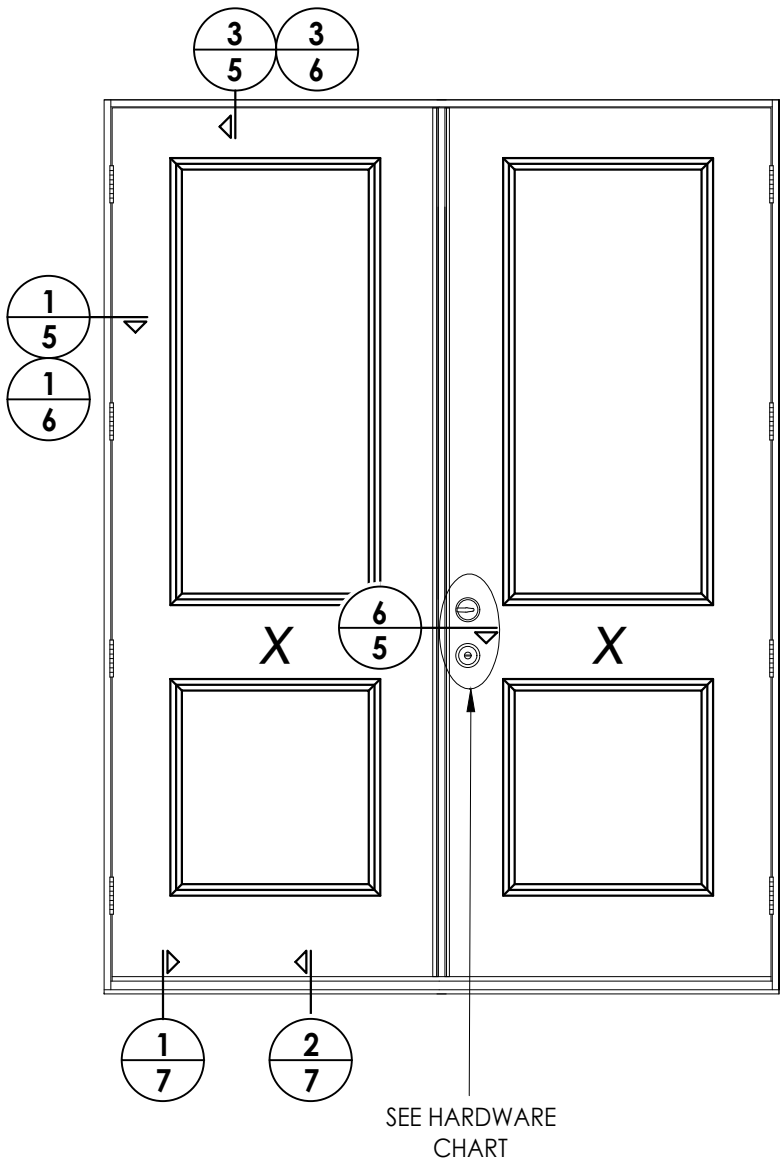
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PRODUCT:
MILLWORK 360
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS	BY
2	8/08/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC & UPDATE IMPACT LITE FRAME	LFS

DATE:	3/24/20
SCALE:	N.T.S.
DWG. BY:	TRJ
CHK. BY:	LFS
DRAWING NO.:	FL-29241.4
SHEET	3 OF 11



HARDWARE TABLE	
MANUFACTURER	MODEL
PAMEX	KNOB: FLU600 DEADBOLT: FD261
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
SCHLAGE	KNOB: F51 DEADBOLT: B60N

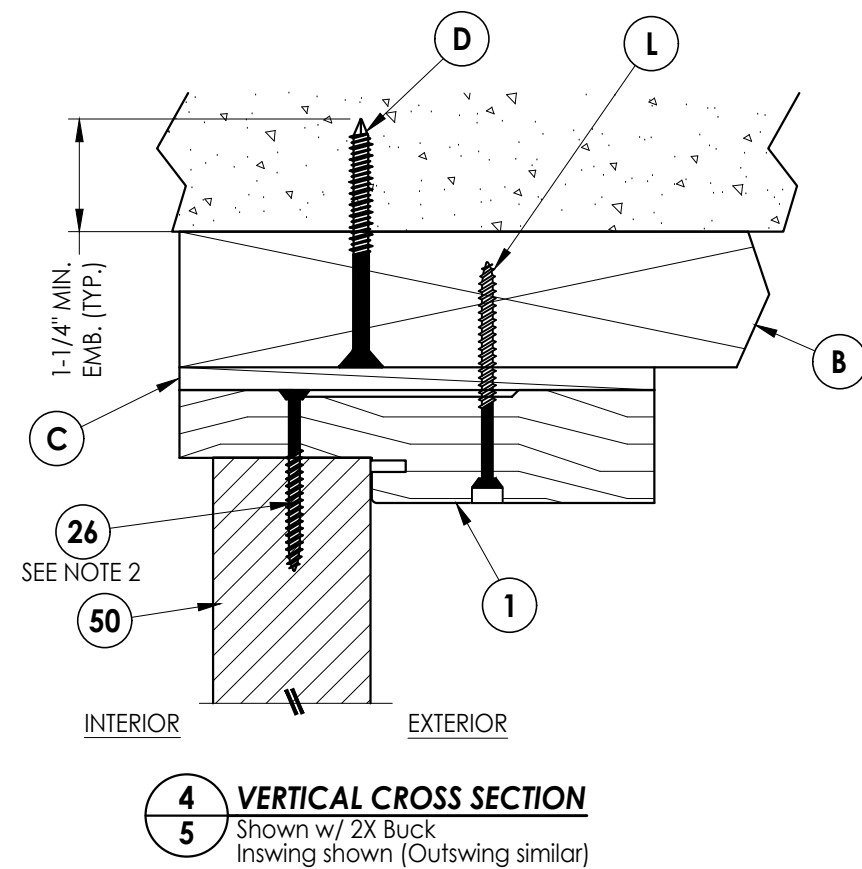
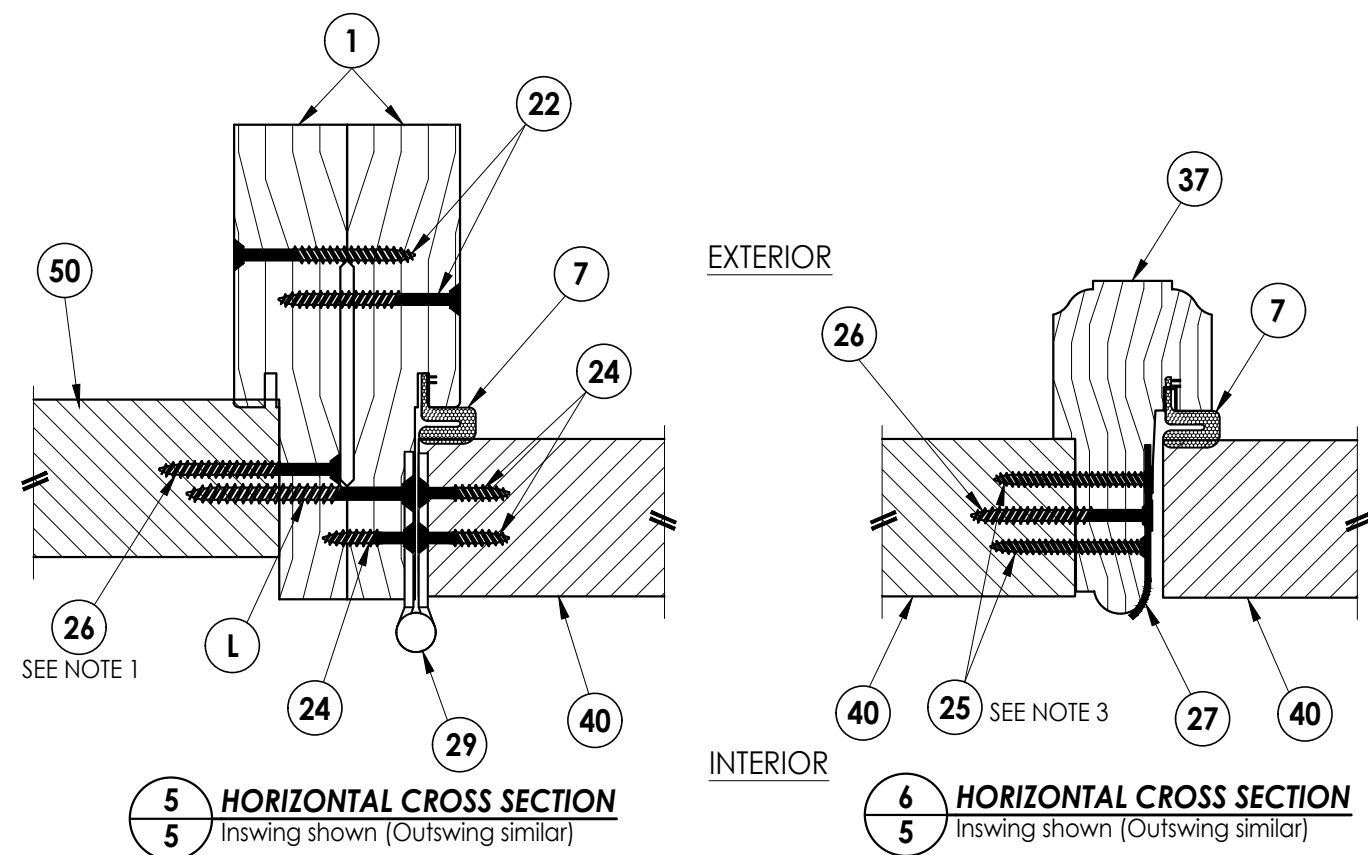
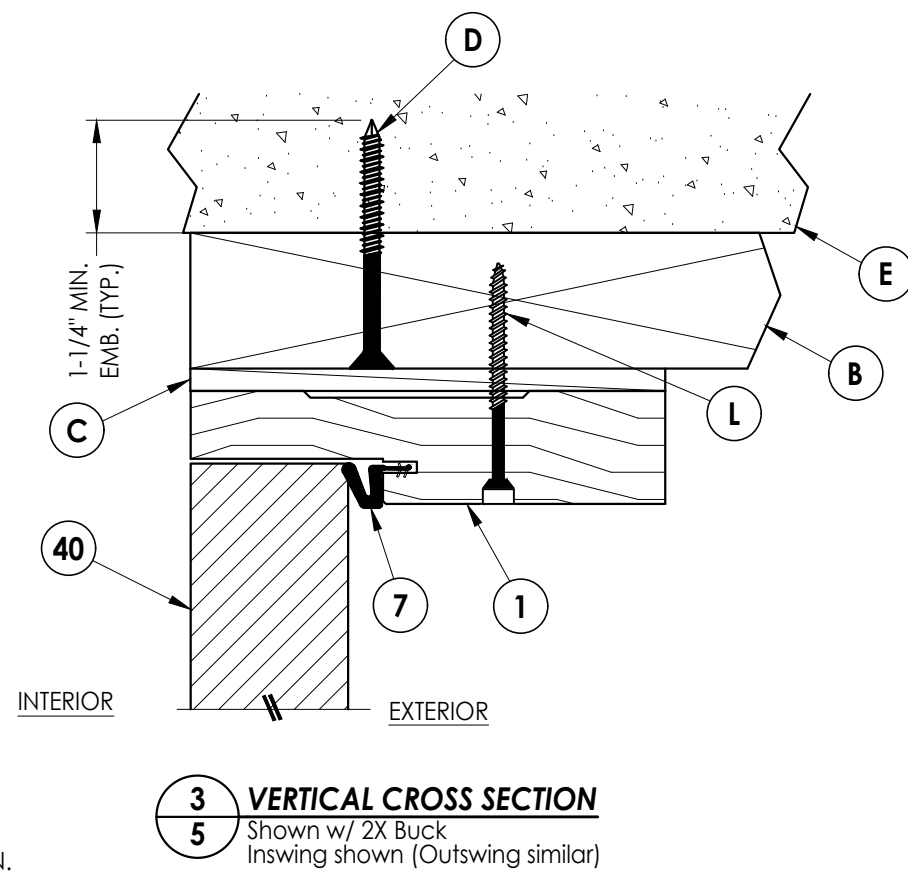
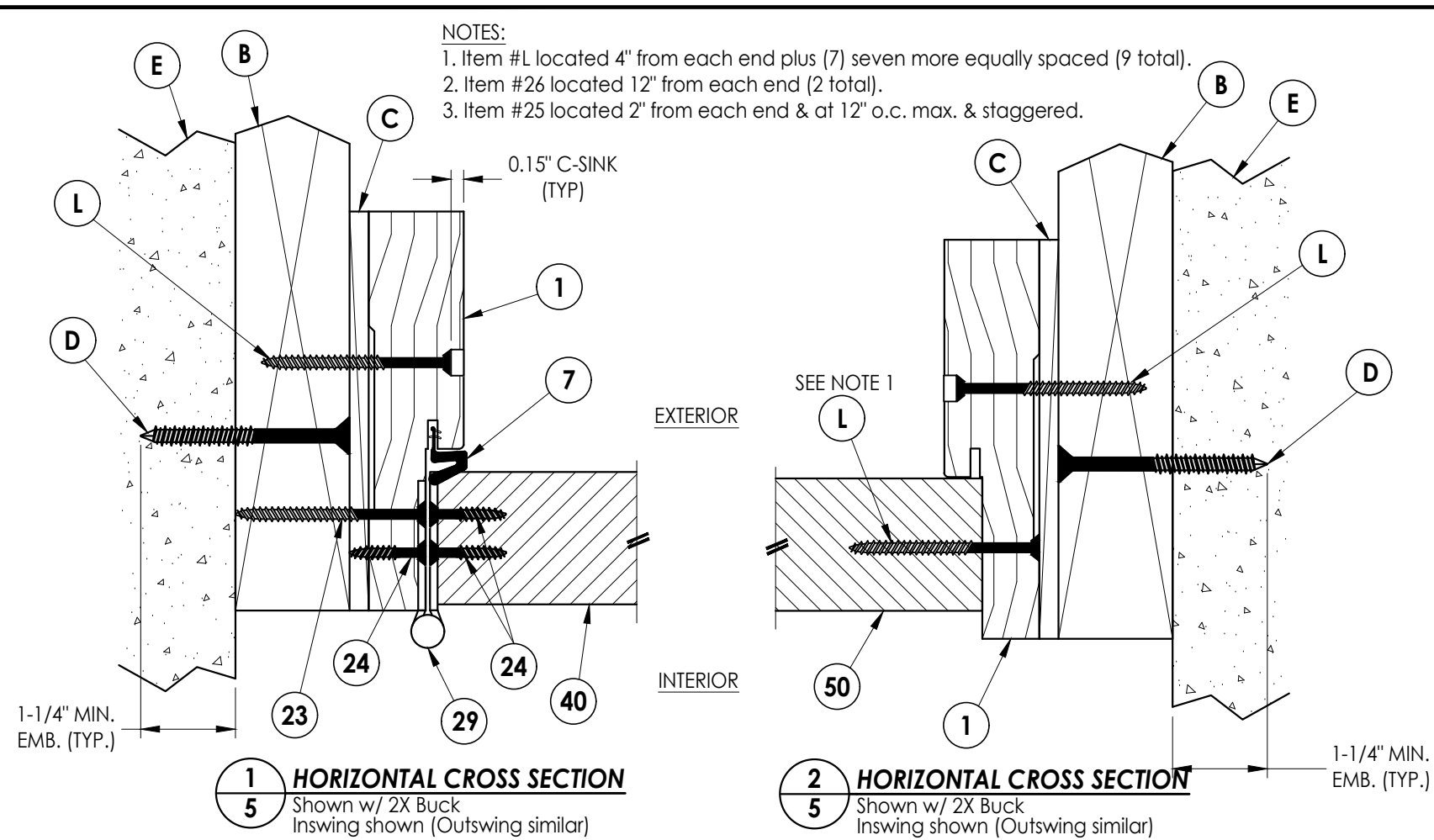
REVISIONS			
NO.	DATE	BY	
2	8/08/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	9/21/20	UPDATE TO 7TH ED. (2020)	FBC LFS
		& UPDATE IMPACT LITE FRAME	

DATE: 3/24/20
SCALE: N.T.S.
DWG. BY: TRJ
CHK. BY: LFS
DRAWING NO.: FL-29241.4
SHEET 4 OF 11

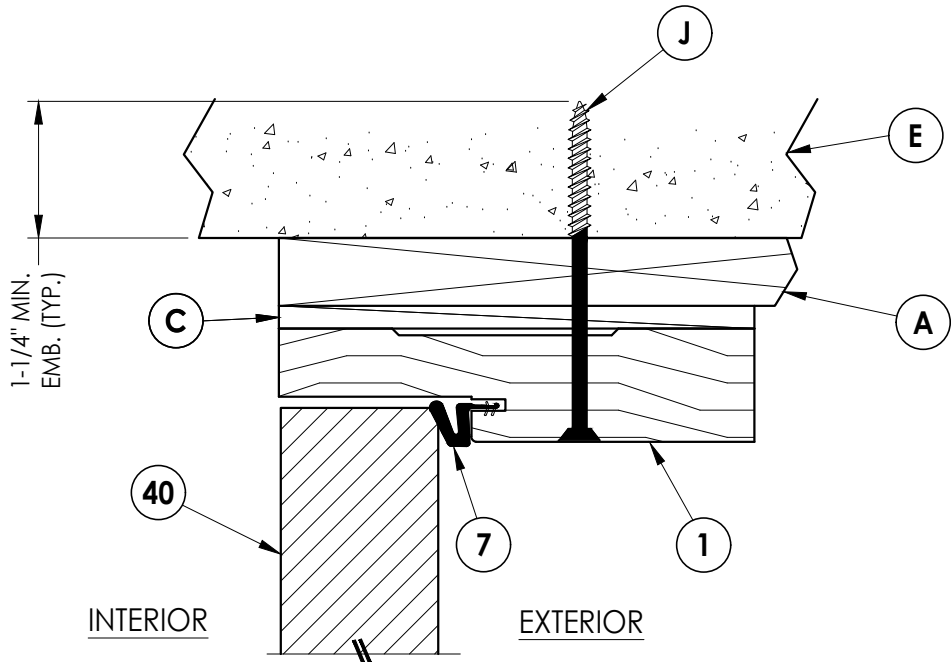
PRODUCT:	MILLWORK 360 FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

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

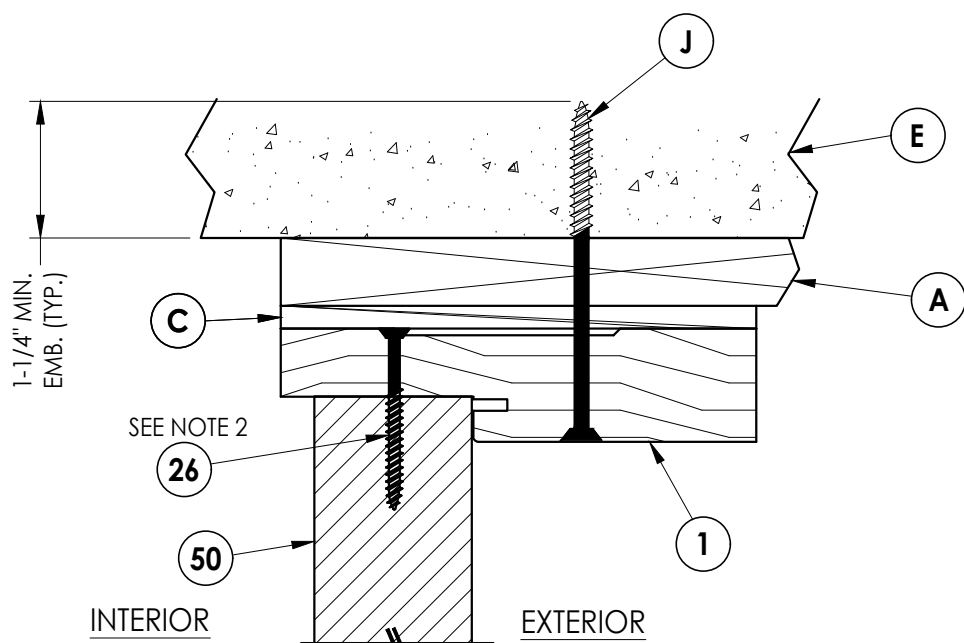
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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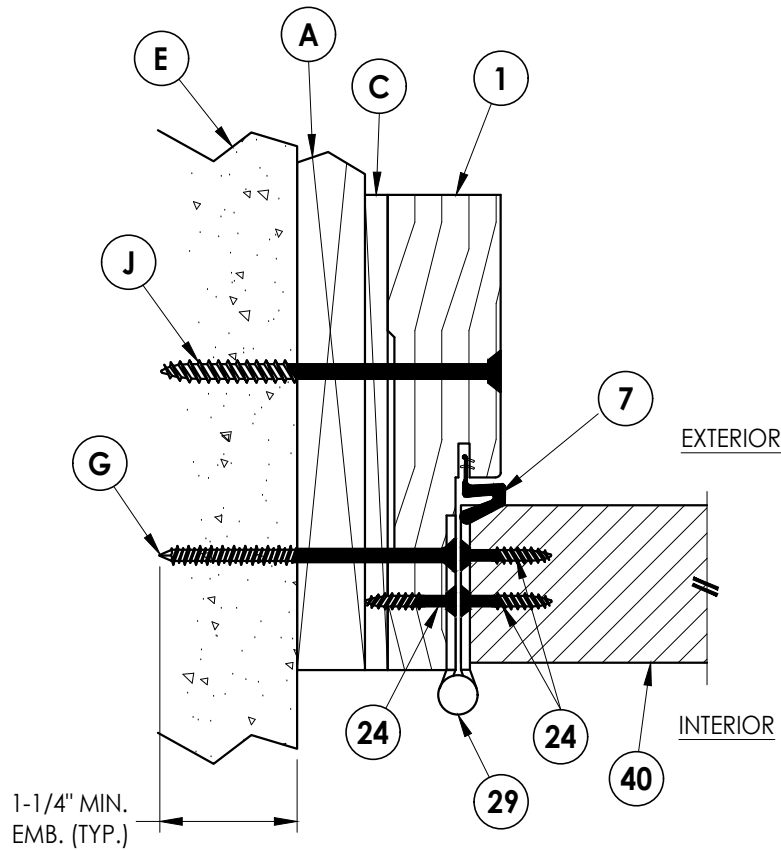
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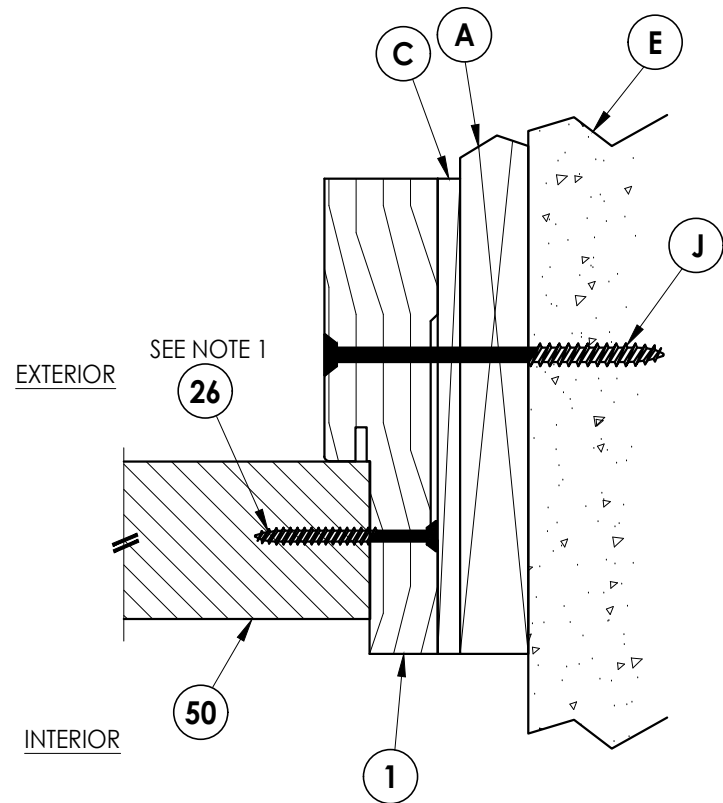
3
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Inswing shown (Outswing similar)



4
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Inswing shown (Outswing similar)



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



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

- NOTE:
- Item #26 located 4" from each end then 7 more equally spaced (9 total).
 - Item #26 located 12" from each end (2 total).

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:
MILLWORK 360
FIBERGLASS DOOR

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

NO.	DATE	BY	REVISIONS
2	8/08/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	9/21/20	UPDATE TO 7TH ED. (2020)	FBC LFS
		& UPDATE IMPACT LITE FRAME	

DATE: 3/24/20

SCALE: N.T.S.

DWG. BY: TRJ

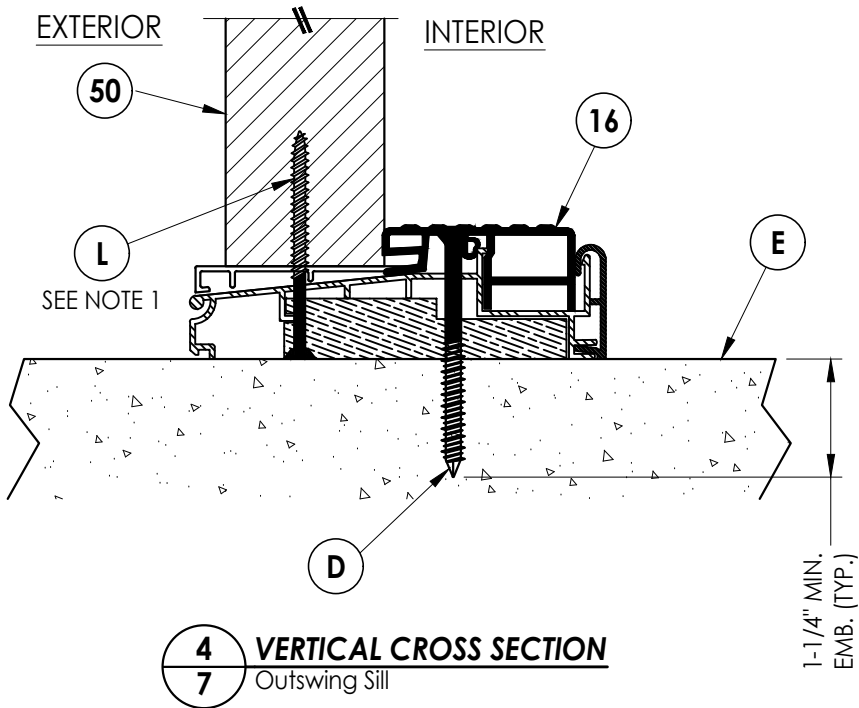
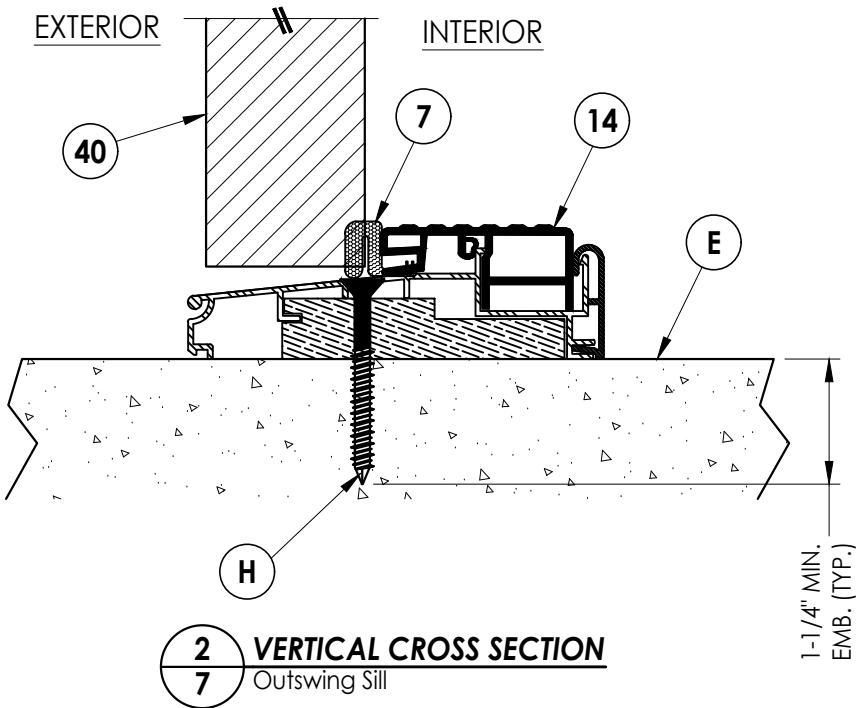
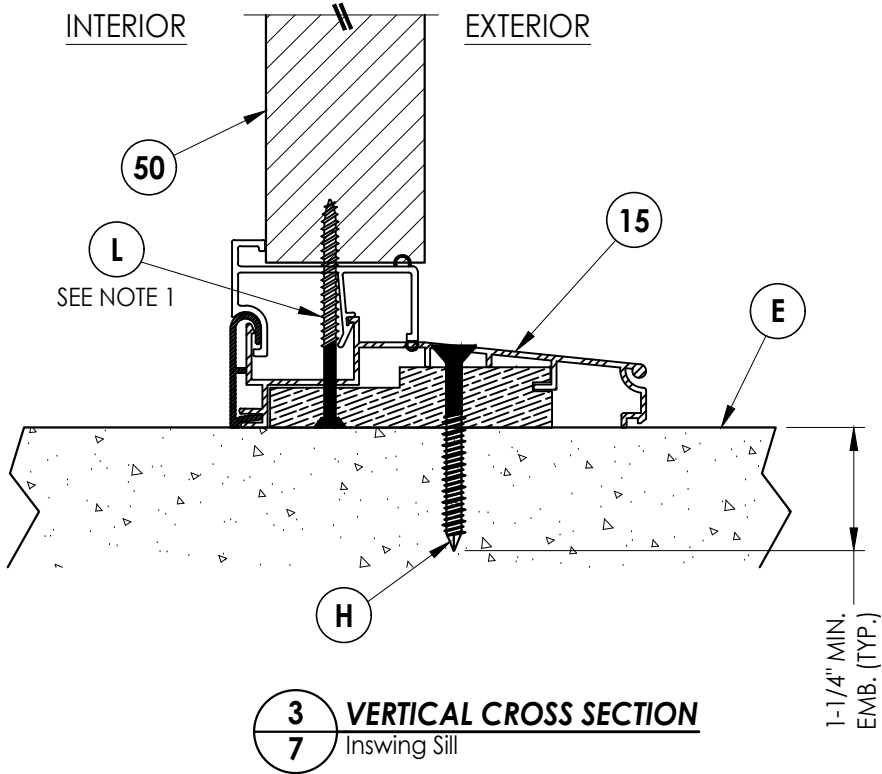
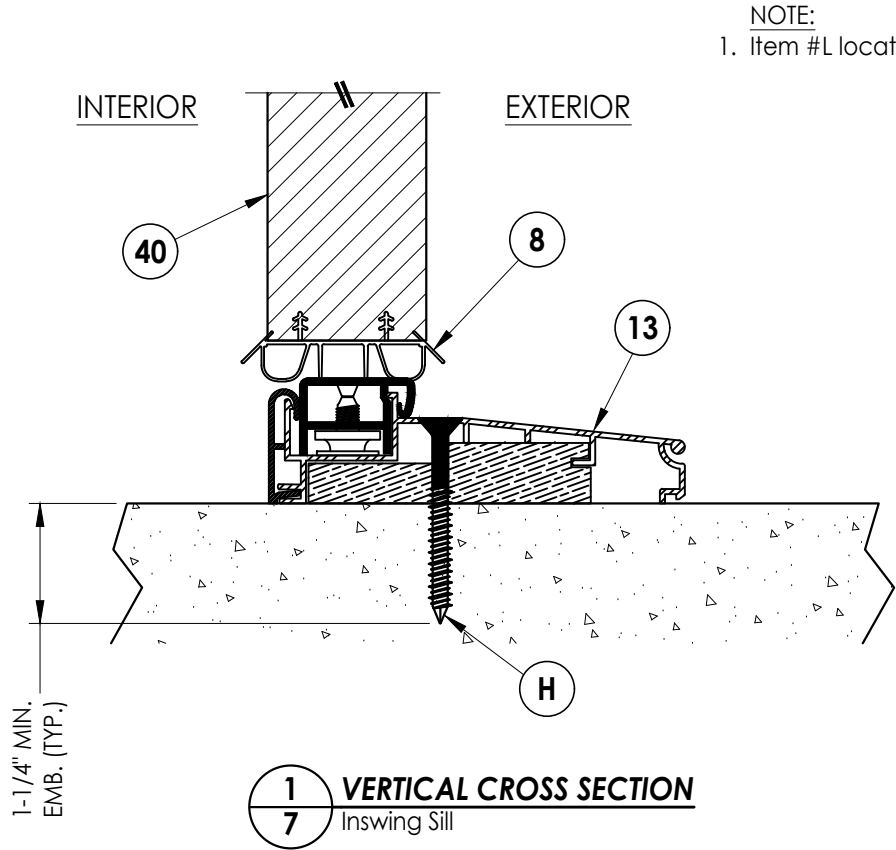
CHK. BY: LFS

DRAWING NO.:

FL-29241.4

SHEET 6 OF 11

Z:\2023 FBC Drawings\Millwork 360\FL-29241 R3\FL-29241.4.dwg



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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 Registry No. 9813

PRODUCT: MILLWORK 360
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
2	8/08/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC LFS
		& UPDATE IMPACT LITE FRAME BY

DATE: 3/24/20

SCALE: N.T.S.

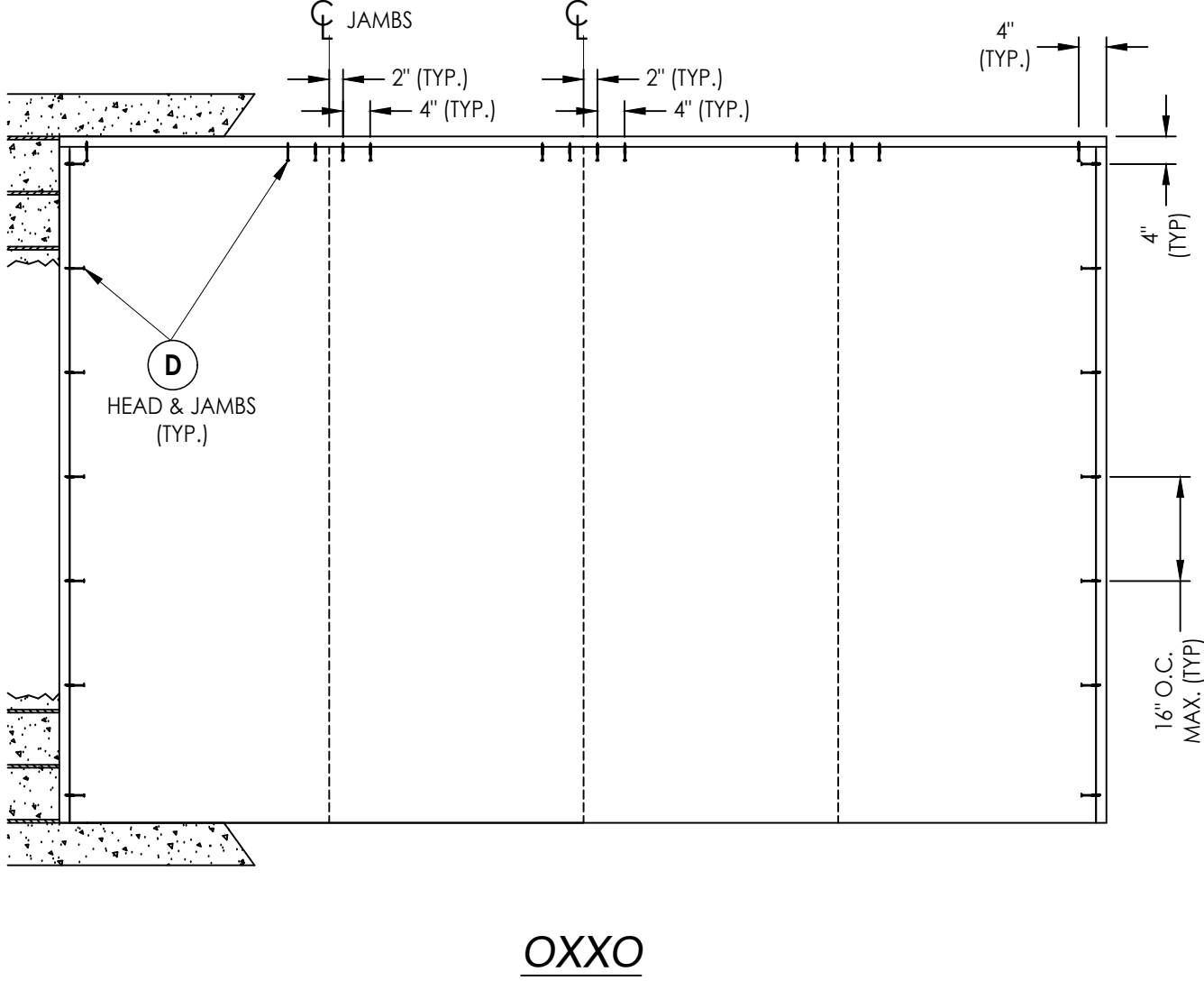
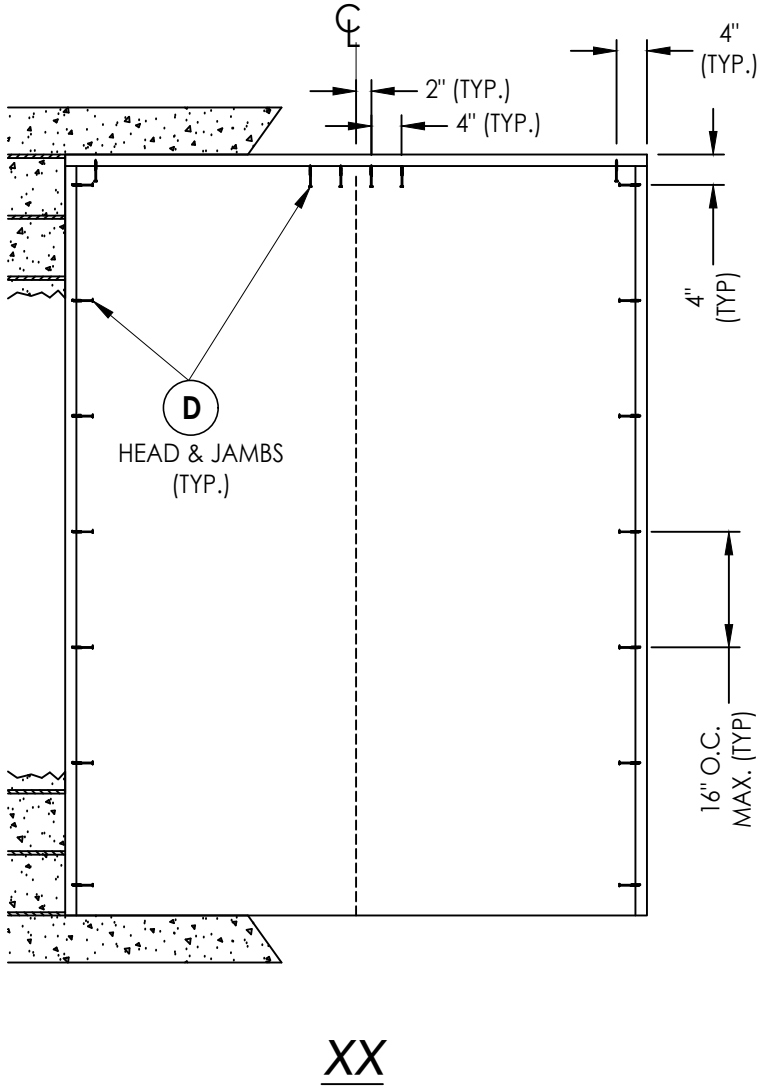
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CHK. BY: LFS

DRAWING NO.:

FL-29241.4

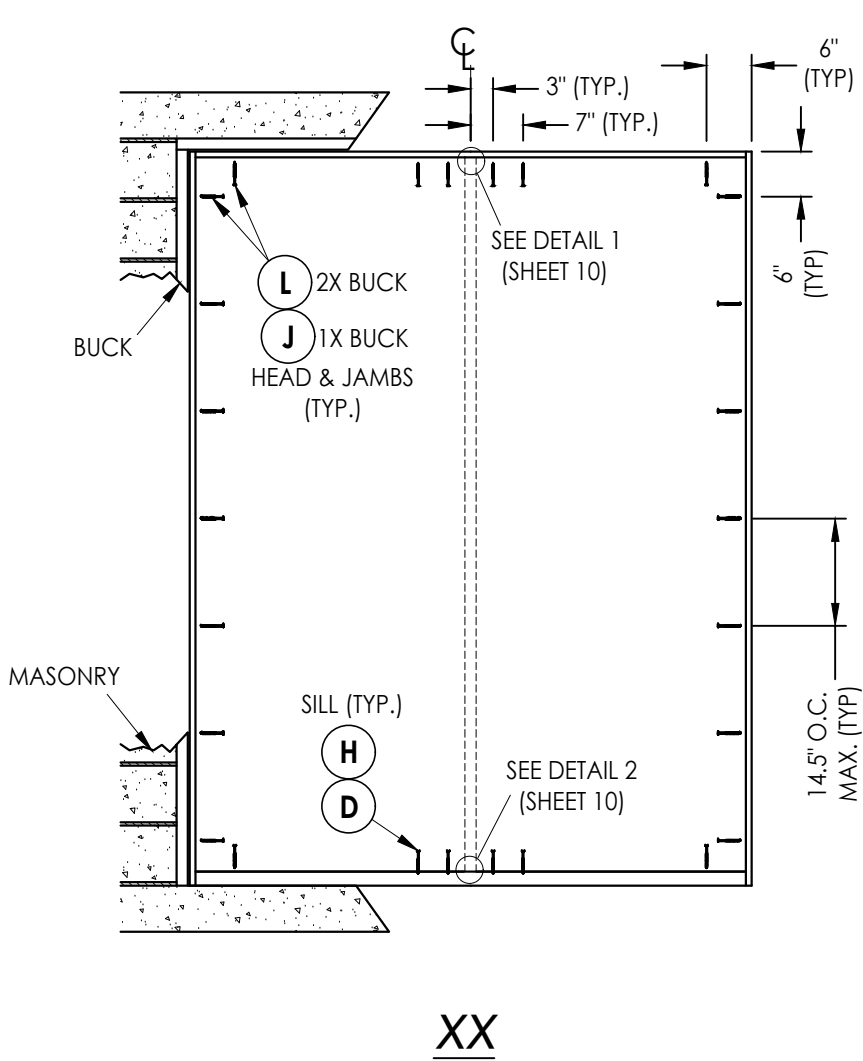
SHEET 7 OF 11



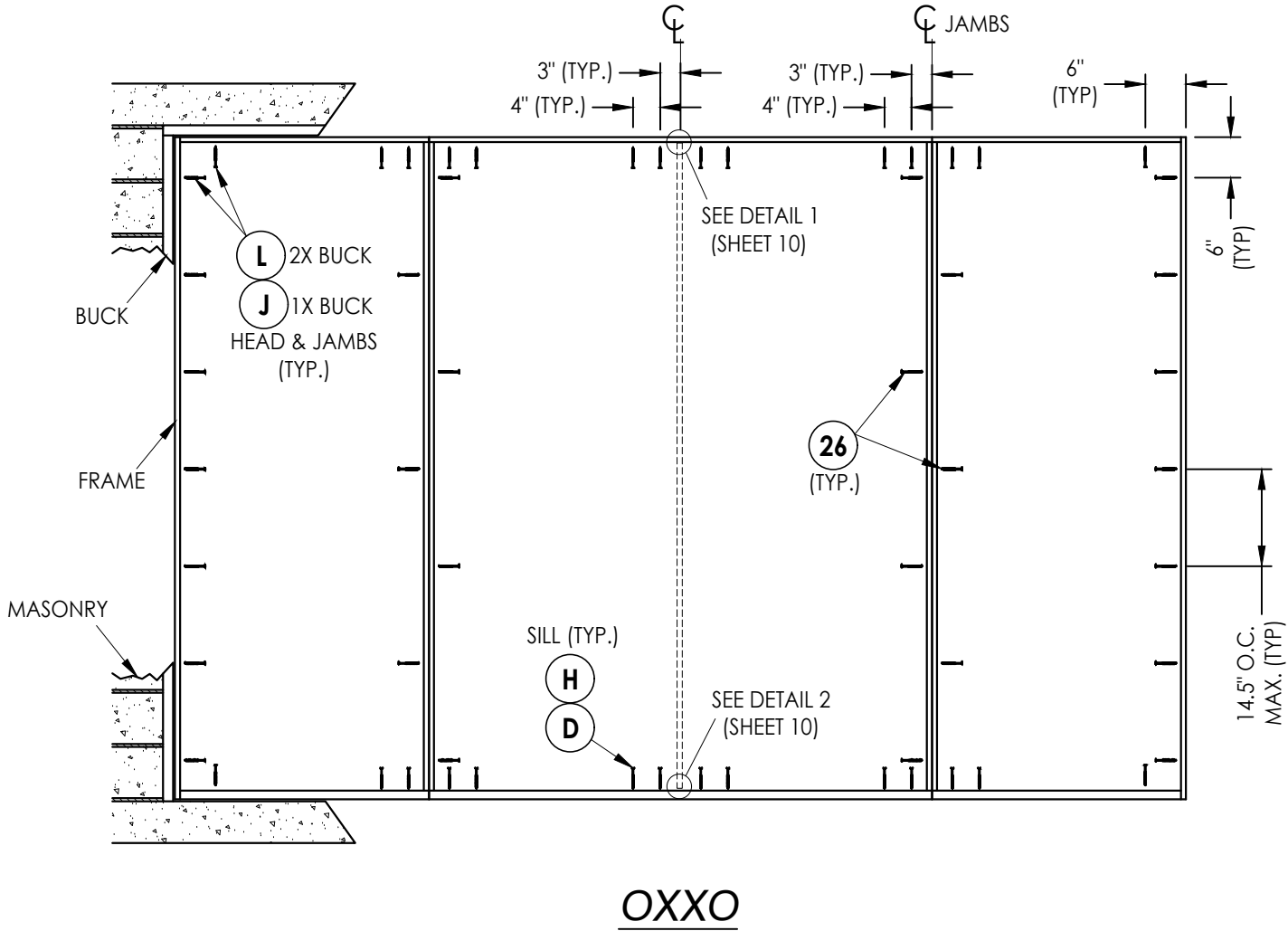
2X BUCK ANCHORING

DATE: 3/24/20		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	
SCALE: N.T.S.		PRODUCT: MILLWORK 360 FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK ANCHORING	
DWG. BY: TRJ		UPDATE TO 8TH ED. (2023) FBC LFS		REVISIONS	
CHK. BY: LFS		UPDATE TO 7TH ED. (2020) FBC LFS			
DRAWING NO.: FL-29241.4		& UPDATE IMPACT LITE FRAME			
SHEET 8 OF 11		NO. DATE			

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FRAME ANCHORING



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

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: MILLWORK 360
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

NO.	DATE	REVISIONS
2	8/08/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	9/21/20	UPDATE TO 7TH ED. (2020) FBC LFS
		& UPDATE IMPACT LITE FRAME BY

DATE: 3/24/20

SCALE: N.T.S.

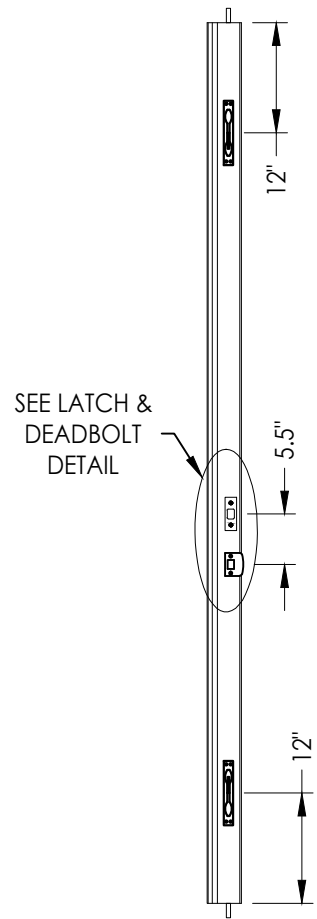
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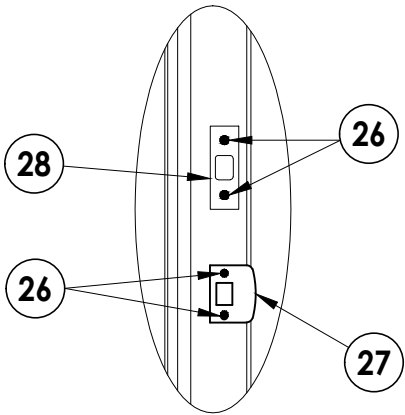
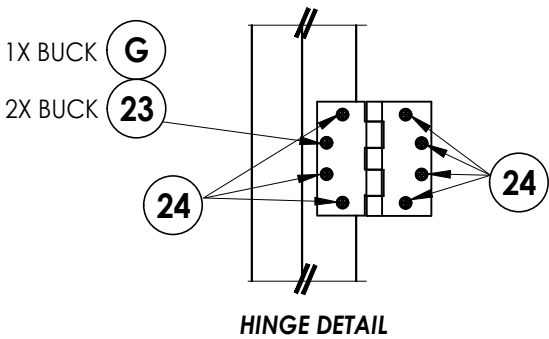
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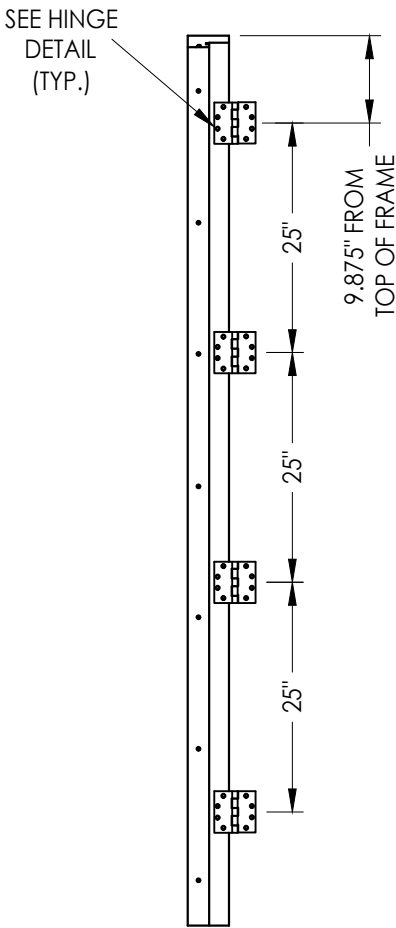
SHEET 9 OF 11



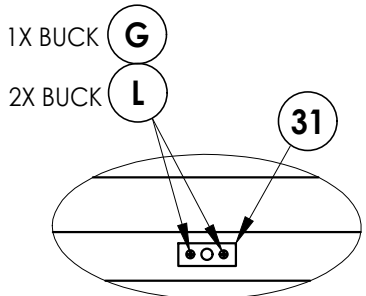
WOOD ASTRAGAL



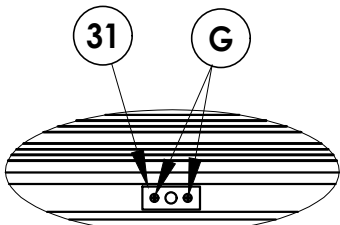
LATCH AND DEADBOLT DETAIL



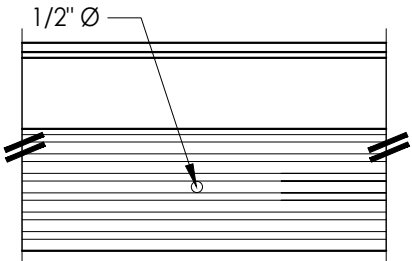
HINGE JAMB



DETAIL 1
Astragal Strike Plate @ Head



DETAIL 2
Astragal @ Sill (Inswing)



DETAIL 2
Astragal @ Sill (Outswing)

2	8/08/23	UPDATE TO 8TH ED. (2023)						FBC	LFS
1	9/21/20	UPDATE TO 7TH ED. (2020)						FBC	LFS
		& UPDATE IMPACT LITE FRAME							
NO.	DATE								BY
									REVISIONS
DATE: 3/24/20									
SCALE: N.T.S.									
DWG. BY: TRJ									
CHK. BY: LFS									
DRAWING NO.: FL-29241.4									
SHEET 10 OF 11									

RW

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

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
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 2-1/4" PFH DeWALT OR 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
1	WOOD JAMB	COMP
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
13	INSWING ADJUSTABLE THRESHOLD	ALUM/COMP
14	OUTSWING BUMP THRESHOLD	ALUM/COMP
15	INSWING THRESHOLD (w/ SIDELITE ADAPTER)	ALUM/COMP
16	OUTSWING THRESHOLD (w/ SIDELITE ADAPTER)	ALUM/COMP
23	#12 X 2-1/2" PFH WOOD SCREW	STEEL
24	#12 X 1" PFH WOOD SCREW	STEEL
25	#8 X 1-1/2" PFH WOOD SCREW	STEEL
26	#10 X 2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4.5" X 4.5" HINGE	STEEL
31	ASTRAGAL STRIKE PLATE	STEEL
37	WOOD ASTRAGAL	WOOD
40	DOOR PANEL	-
50	SIDELITE PANEL	-

CONCRETE ANCHOR NOTES:

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 ULTRA-CON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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

DATE: 3/24/20		DRAWING NO.: FL-29241.4		SHEET 11 OF 11	
SCALE: N.T.S.		CHK. BY: LFS		DWG. BY: TRJ	
NO.		DATE		BY	
2		8/08/23		LFS	
1		9/21/20		LFS	
		UPDATE TO 8TH ED. (2023) FBC			
		UPDATE TO 7TH ED. (2020) FBC			
		& UPDATE IMPACT LITE FRAME			
		REVISIONS			
PRODUCT:		PART OR ASSEMBLY:		BILL OF MATERIALS & COMPONENTS	
MILLWORK 360 FIBERGLASS DOOR					
Documents Prepared By:		BUILDING CONSULTANTS, INC.		P.O. Box 230, Valrico, FL 33595	
Lyndon F. Schmidt		P.E. No. 43409		Phone No.: 813.659.9197	
		RW		FBPE Registry No. 9813	