

Z:\2023 FBC Drawings\Millwork 360\FL-29241 R3\FL-29241.1-2.dwg



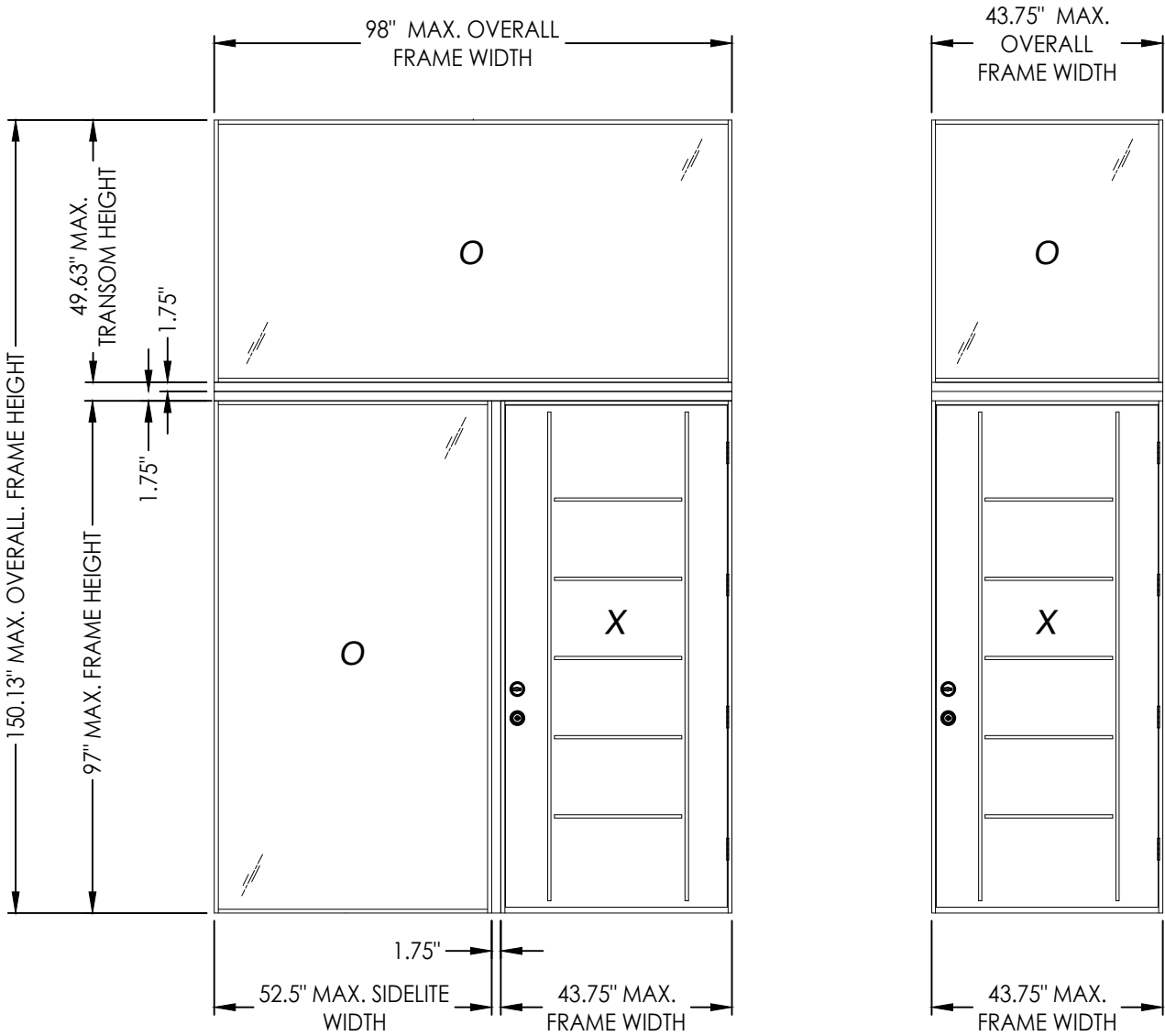
FIBERGLASS OPAQUE SINGLE
DOOR w/ TRANSOM
w/ or w/out SIDELITE

OUTSWING
"IMPACT"

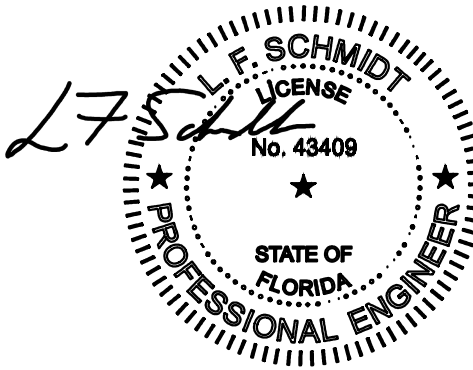
GENERAL NOTES:

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements 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".

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



CONFIGURATION	DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE
O/X, O/OX, O/XO	+60.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.08 14:22:22 -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

PRODUCT:
MILLWORK 360
FIBERGLASS DOOR

DATE: 3/28/19

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-29241.2

SHEET 1 OF 11

Part or Assembly:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

REVISIONS

2 8/08/23 UPDATE TO 8TH ED. (2023) FBC LFS

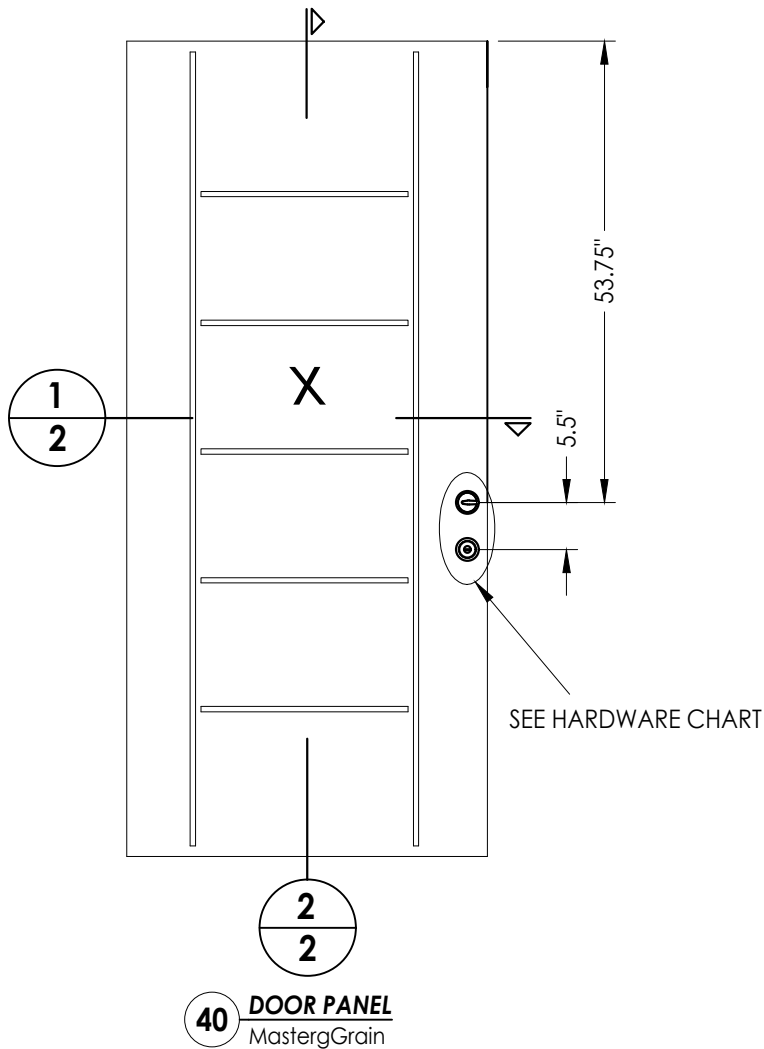
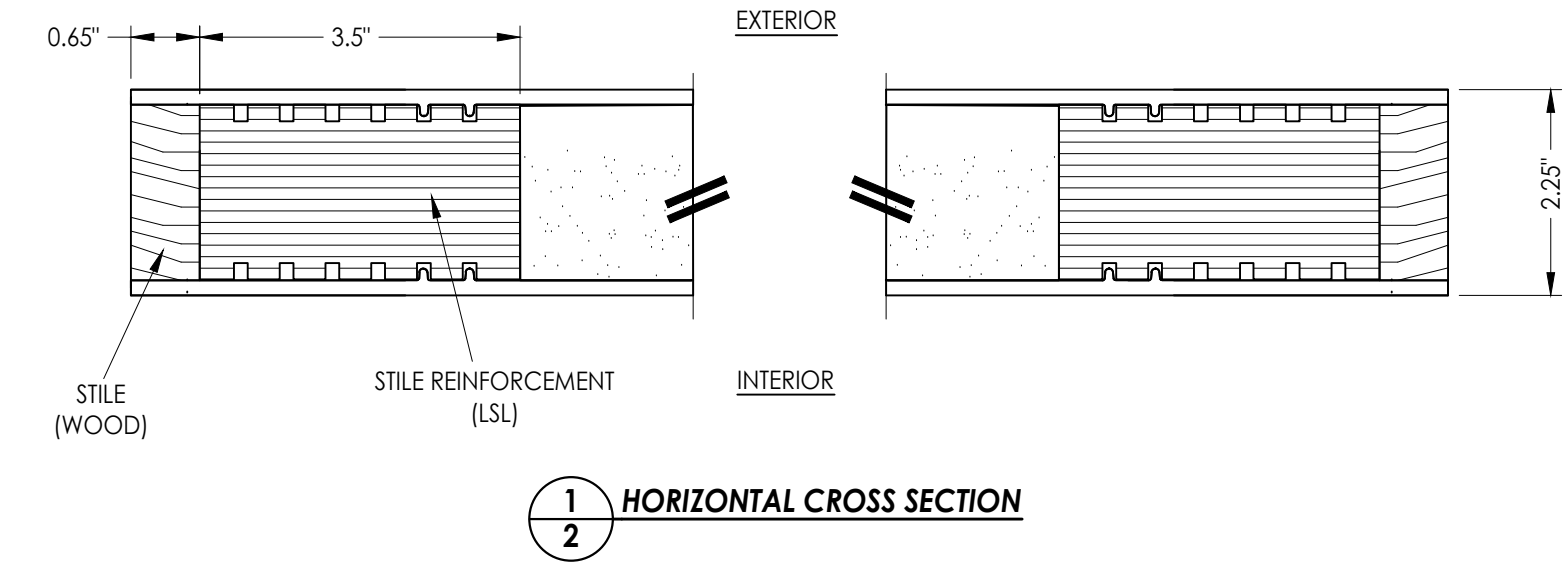
1 9/21/20 UPDATE TO 7TH ED. (2020) FBC LFS

NO. DATE BY

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

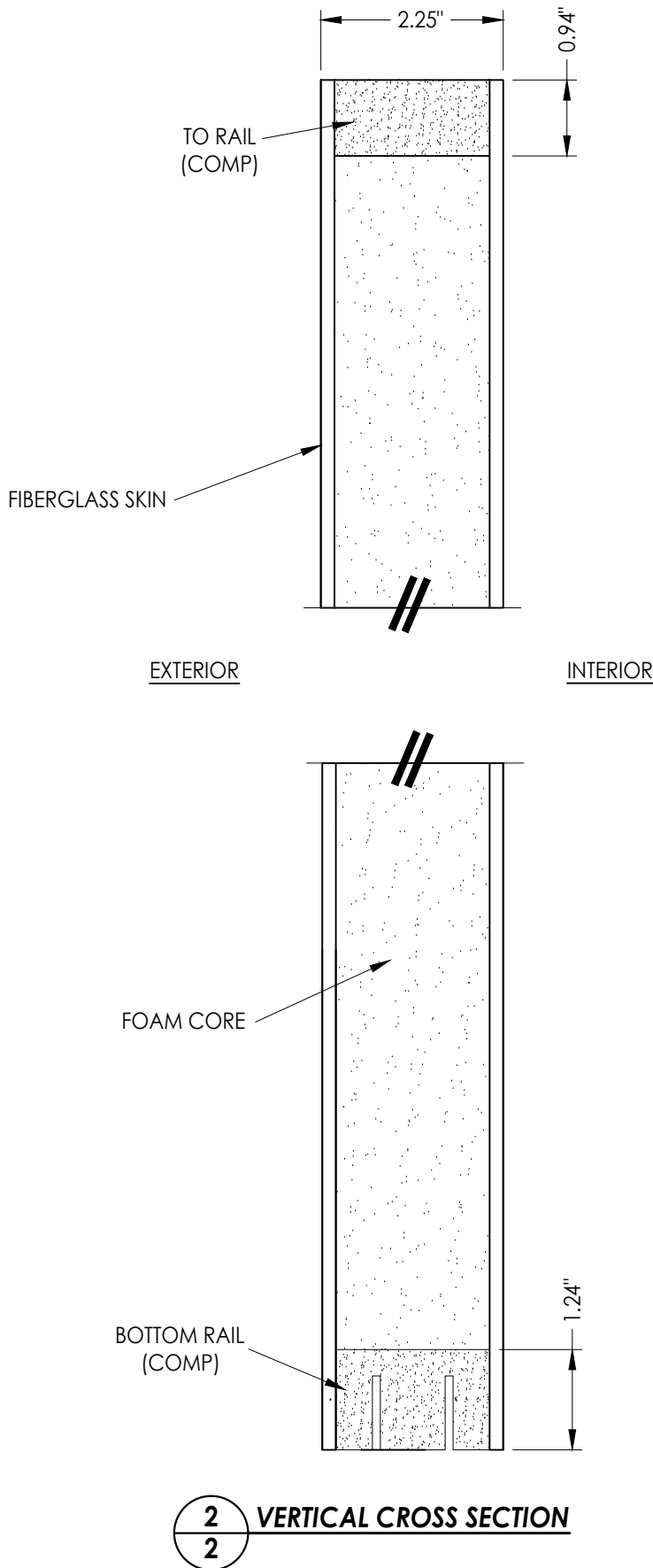
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FIBERGLASS DOOR SKIN: 0.17" MIN. THK.
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.

HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	F-SERIES (F51)
	DEADBOLT:	B-SERIES (B60N)



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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

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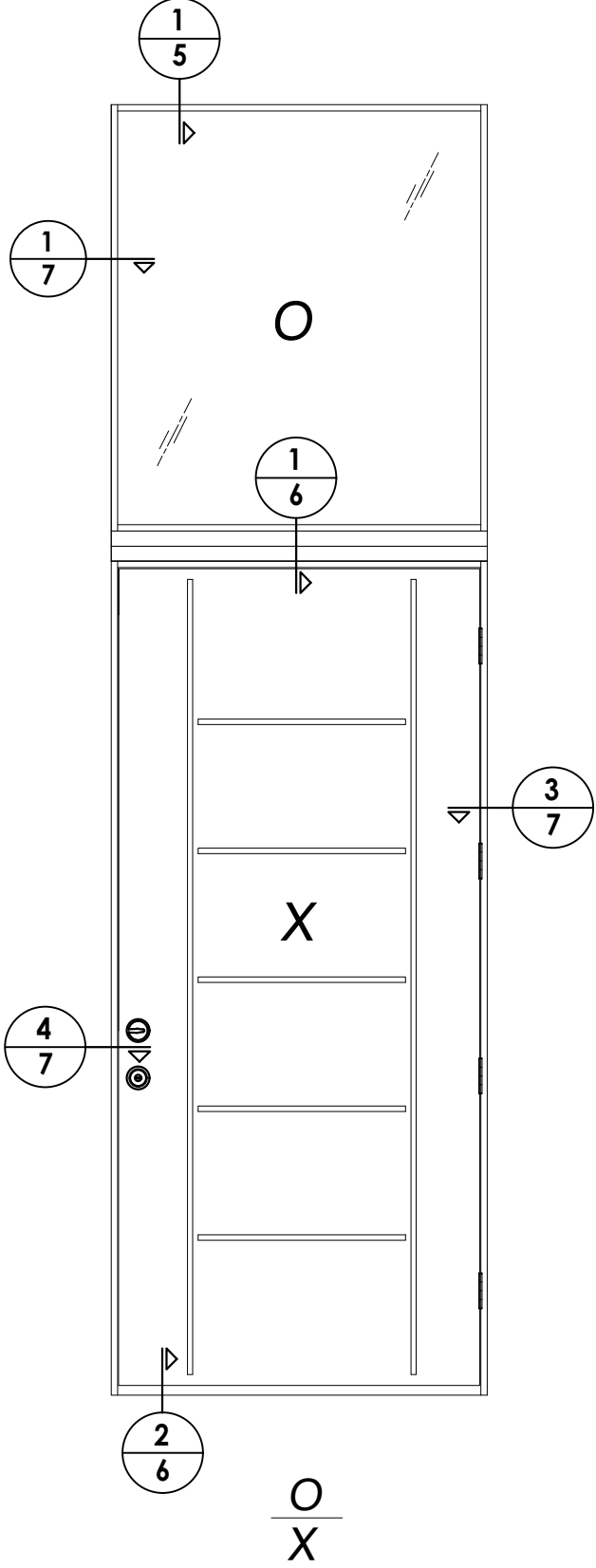
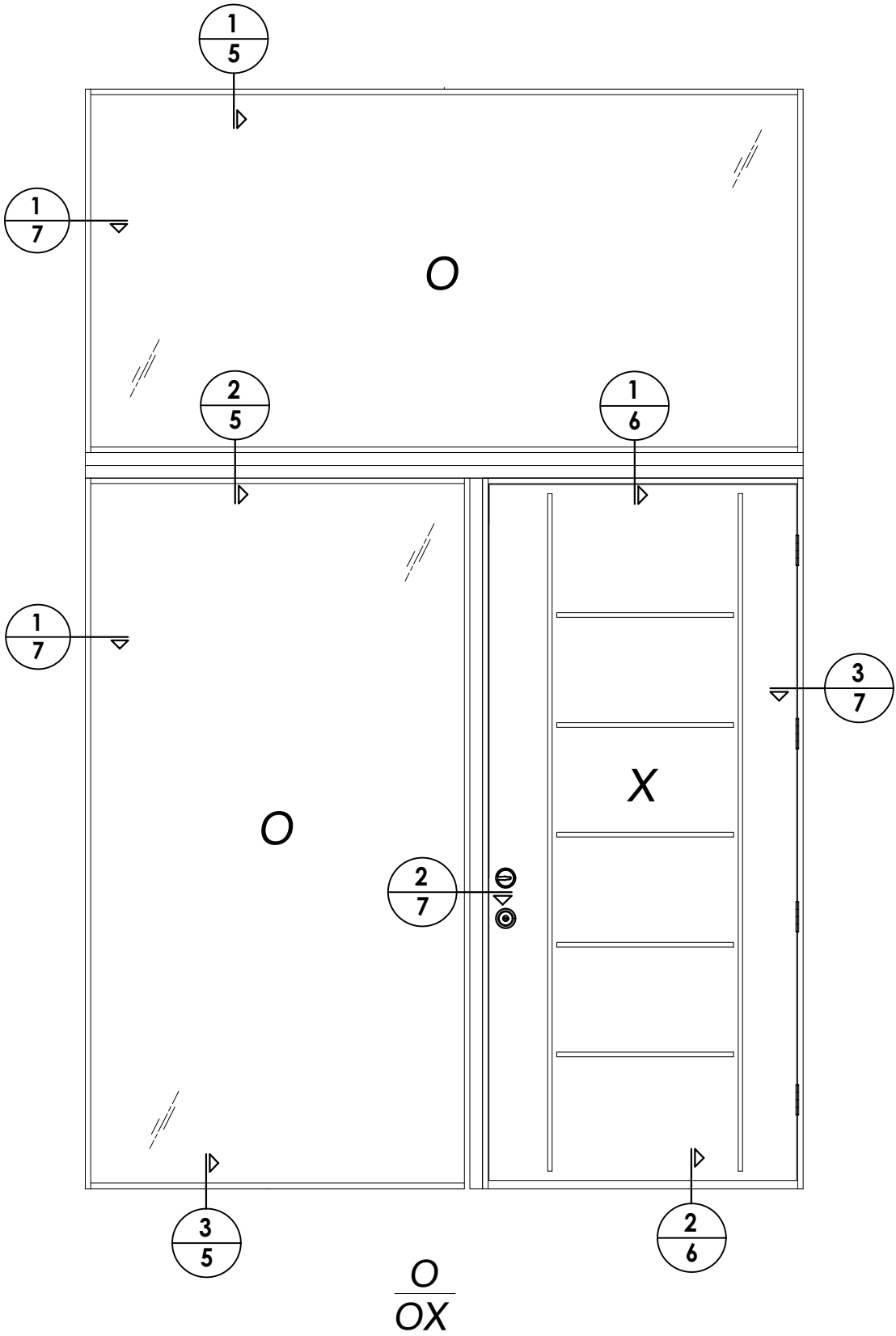
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SHEET 2 OF 11

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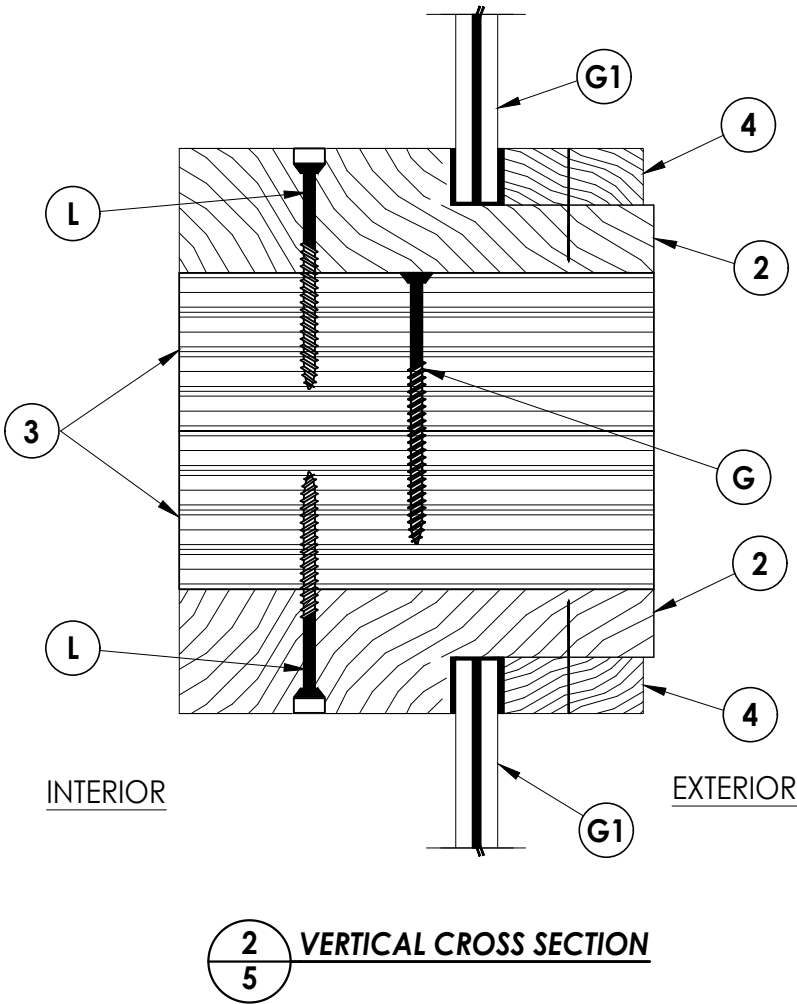
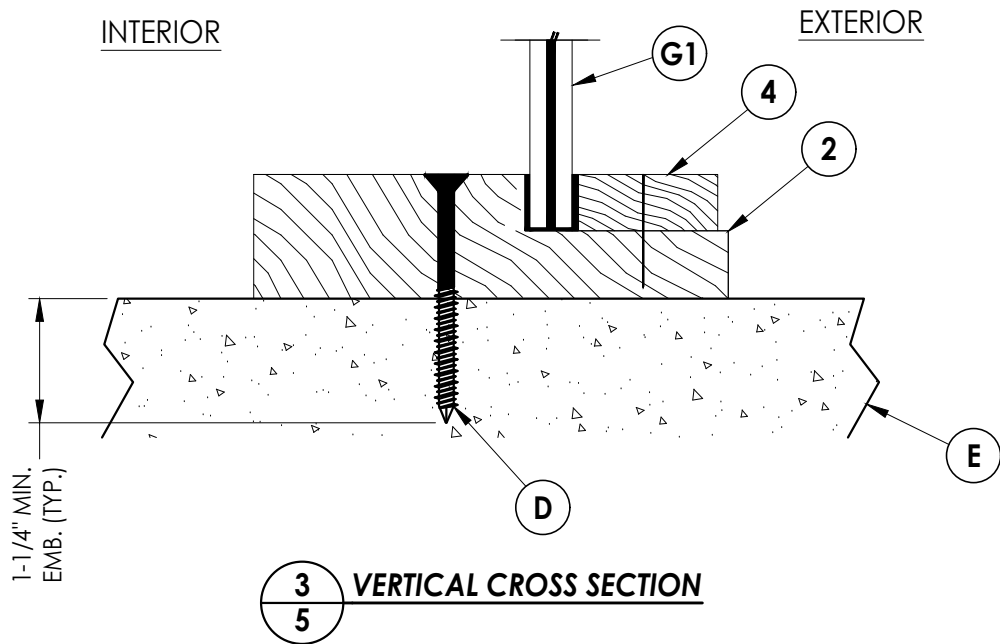
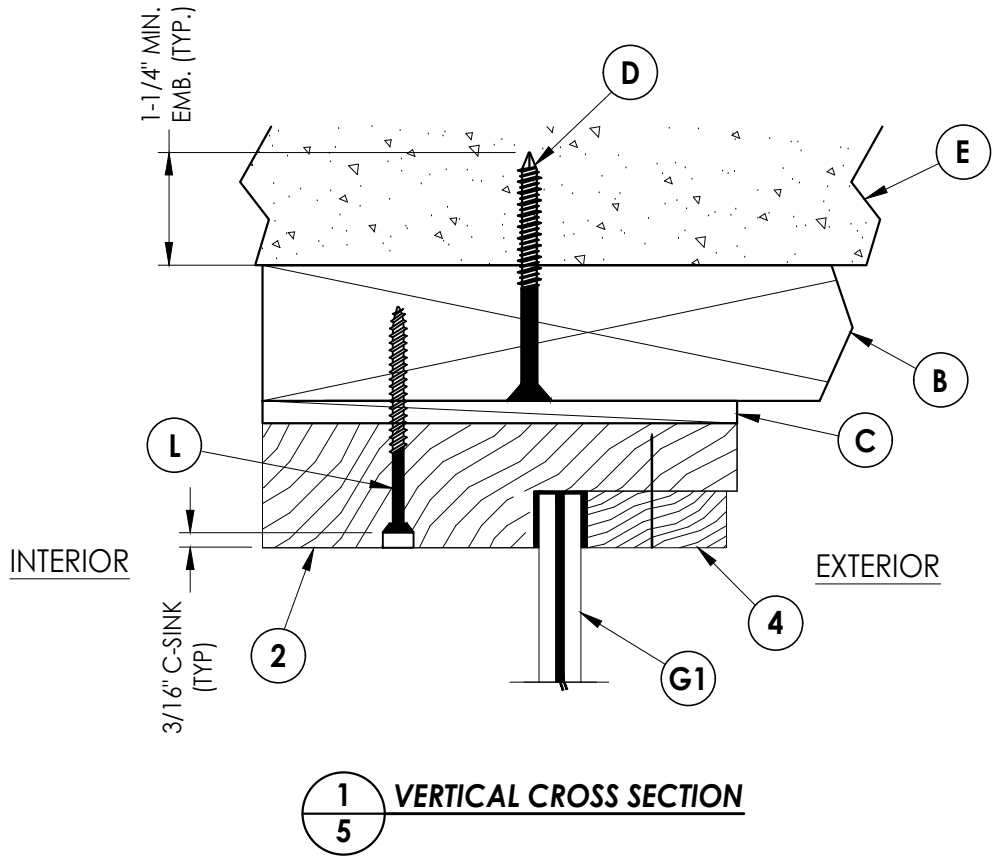
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DRAWING NO.:	FL-29241.2
SHEET	4 OF 11

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

PRODUCT:	MILLWORK 360 FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

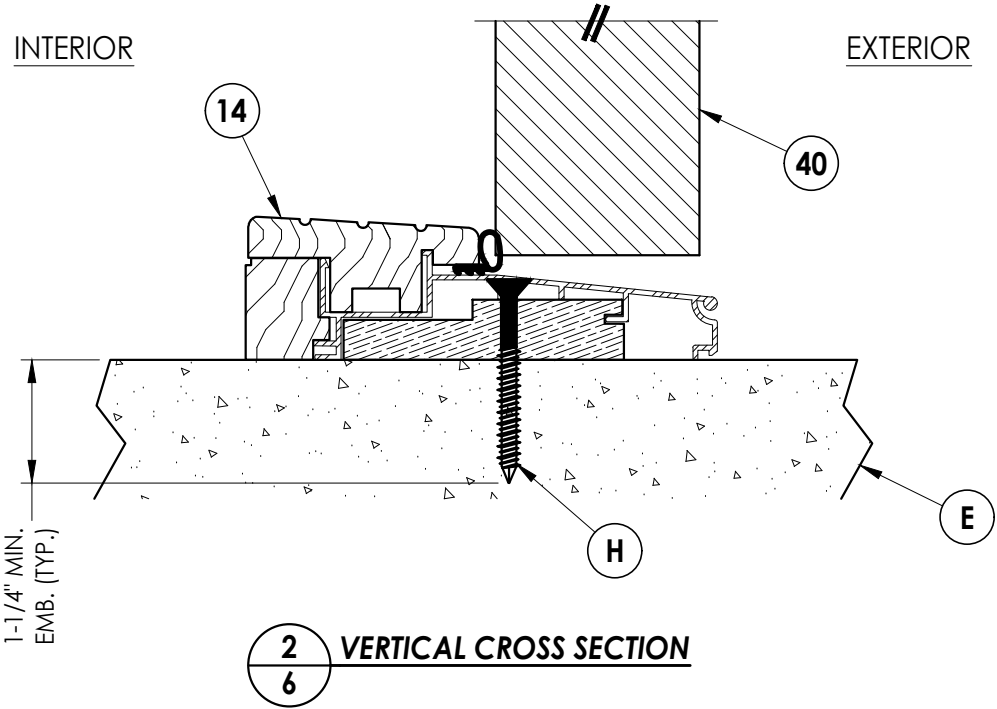
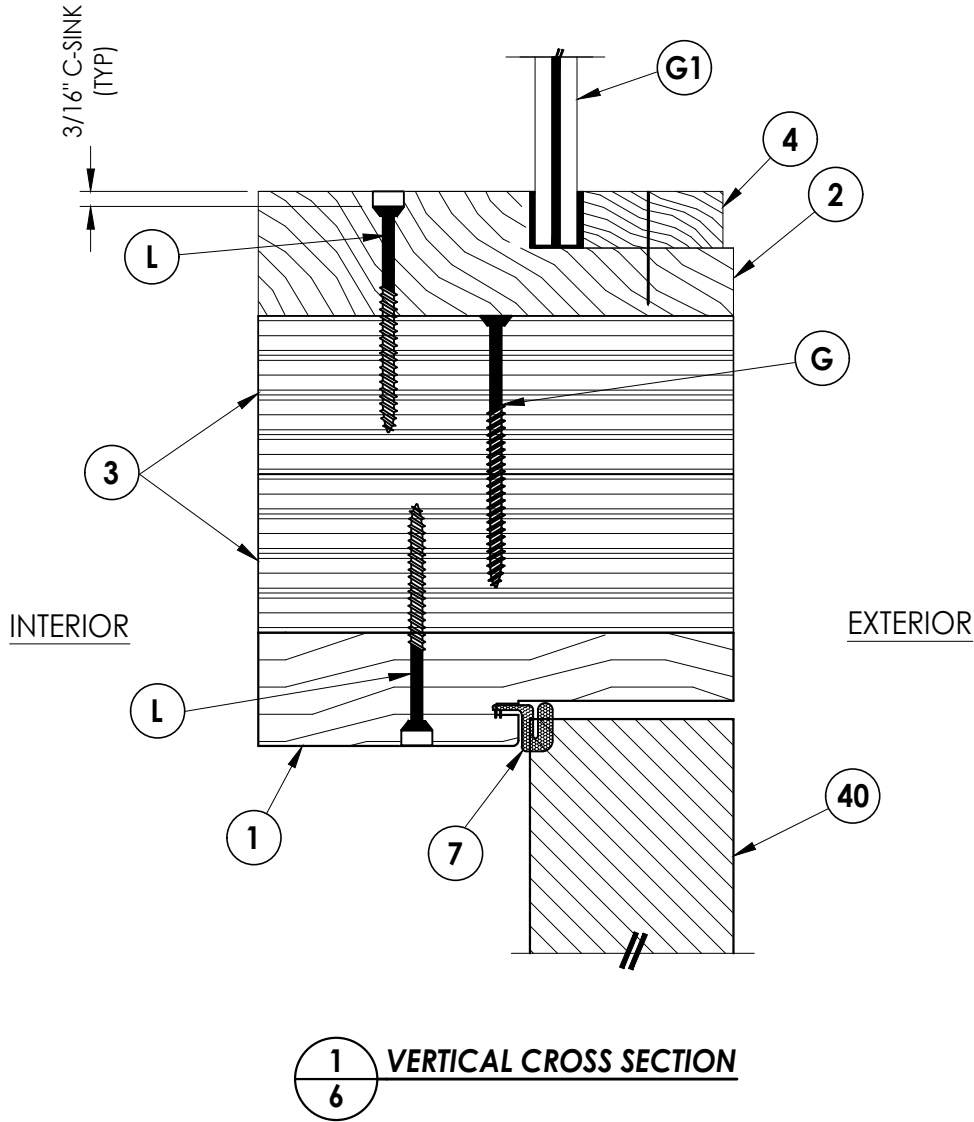
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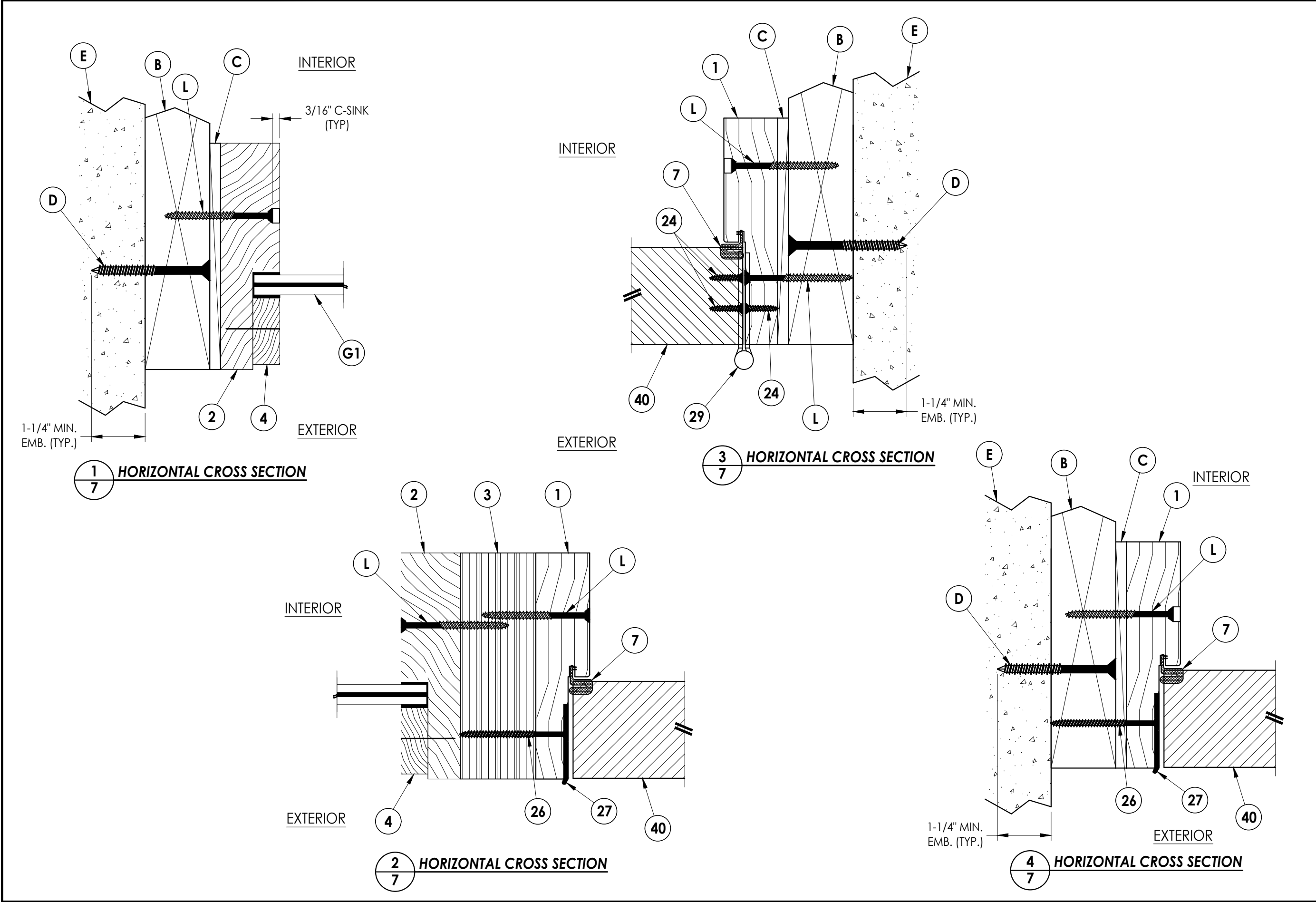
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SCALE: N.T.S.		CHK. BY: RW		DWG. BY: LFS	
2 8/08/23 UPDATE TO 8TH ED. (2023) FBC		1 9/21/20 UPDATE TO 7TH ED. (2020) FBC		NO. DATE	
LFS		LFS		BY	
PRODUCT: MILLWORK 360 FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS		REVISIONS	
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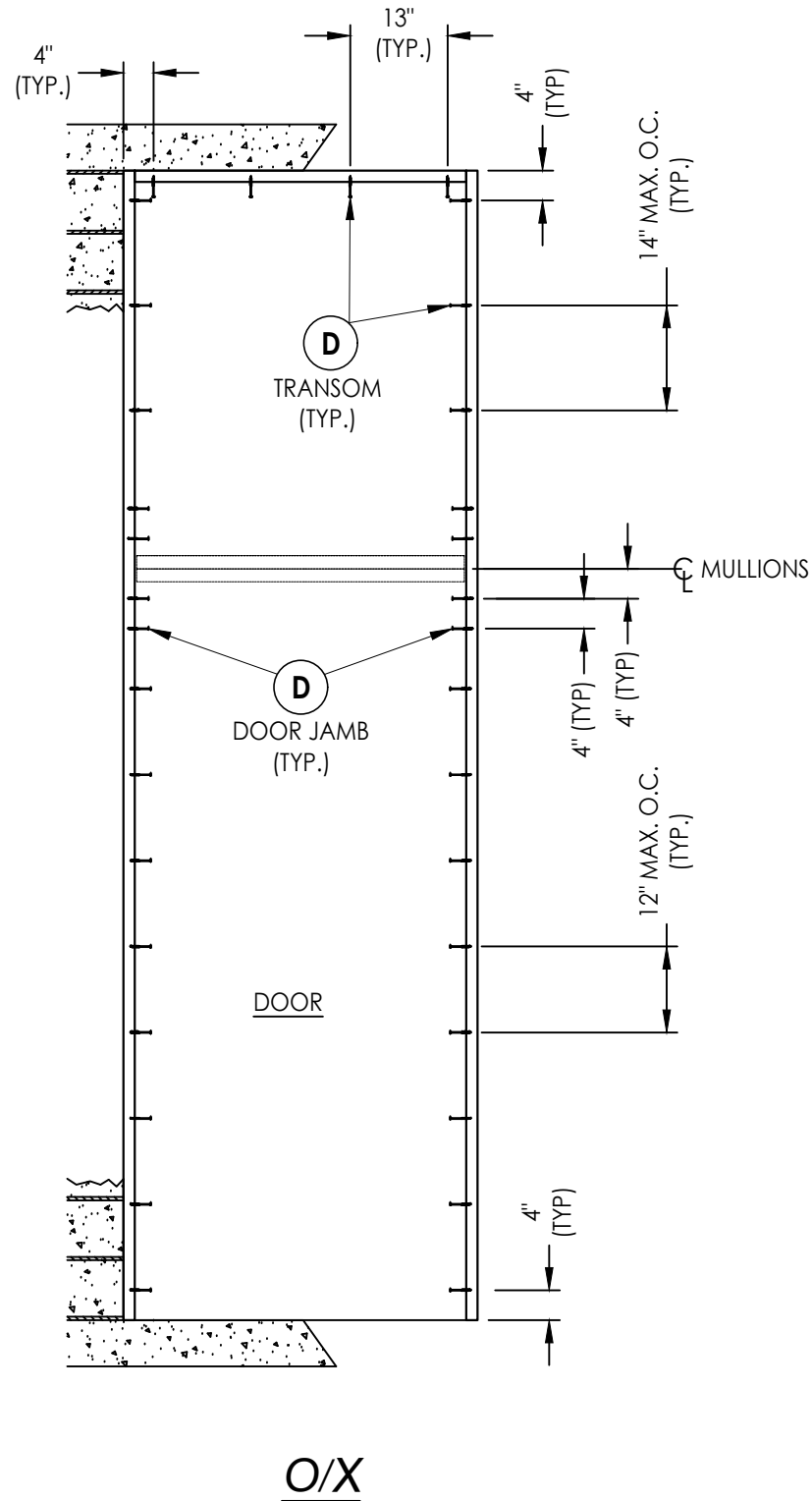
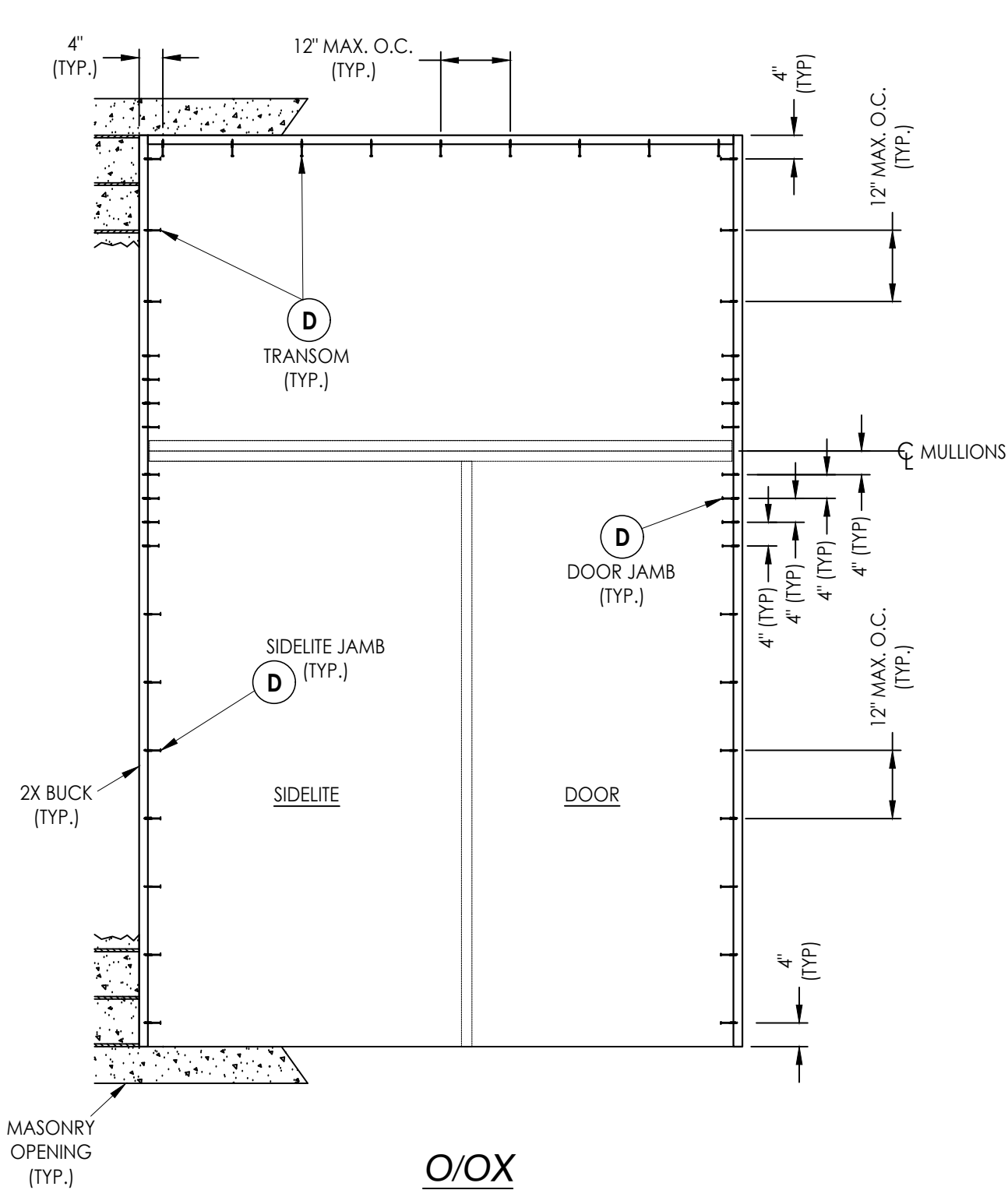
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SCALE: N.T.S.		PRODUCT: MILLWORK 360 FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
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SHEET 7 OF 11			

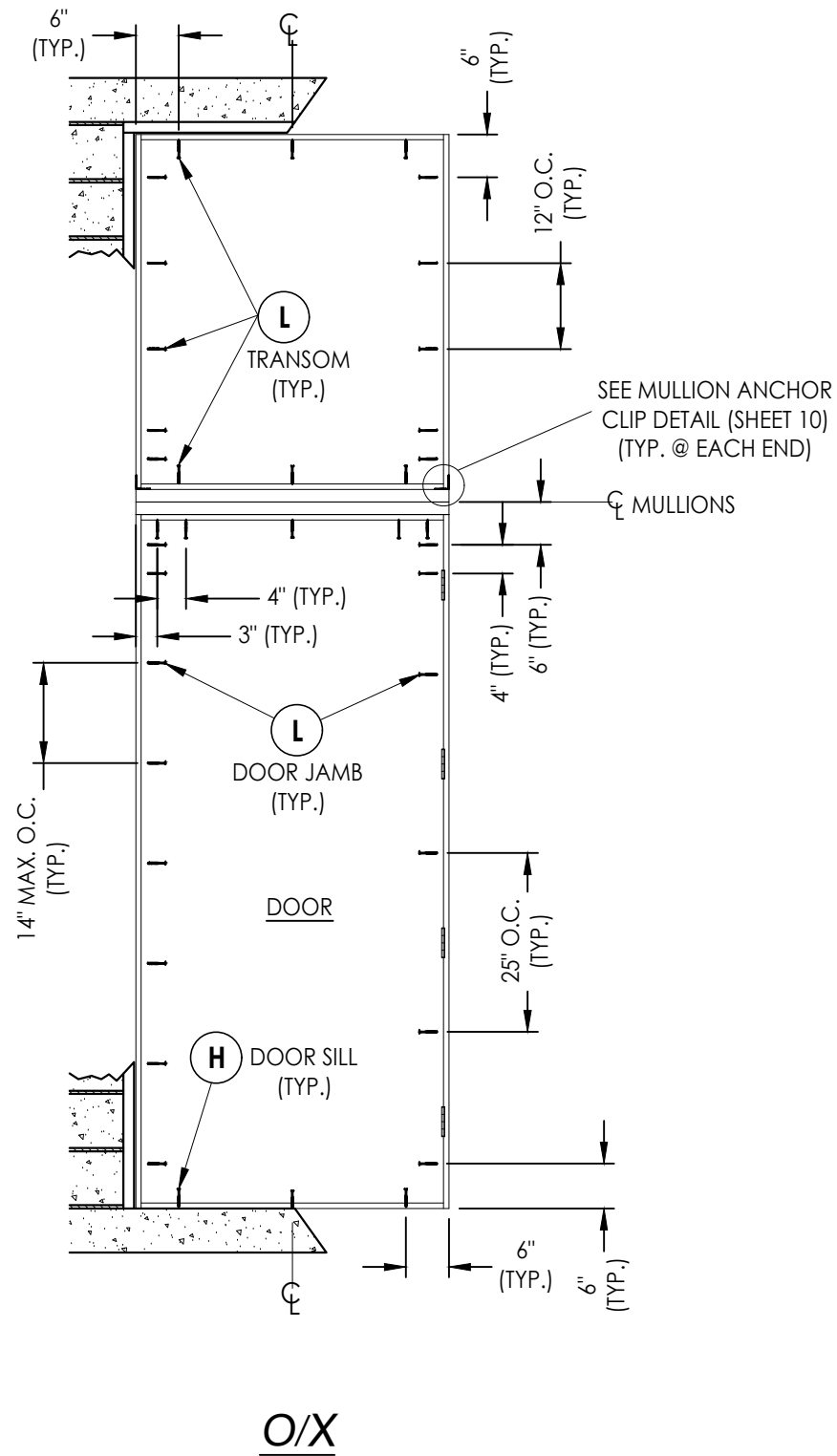
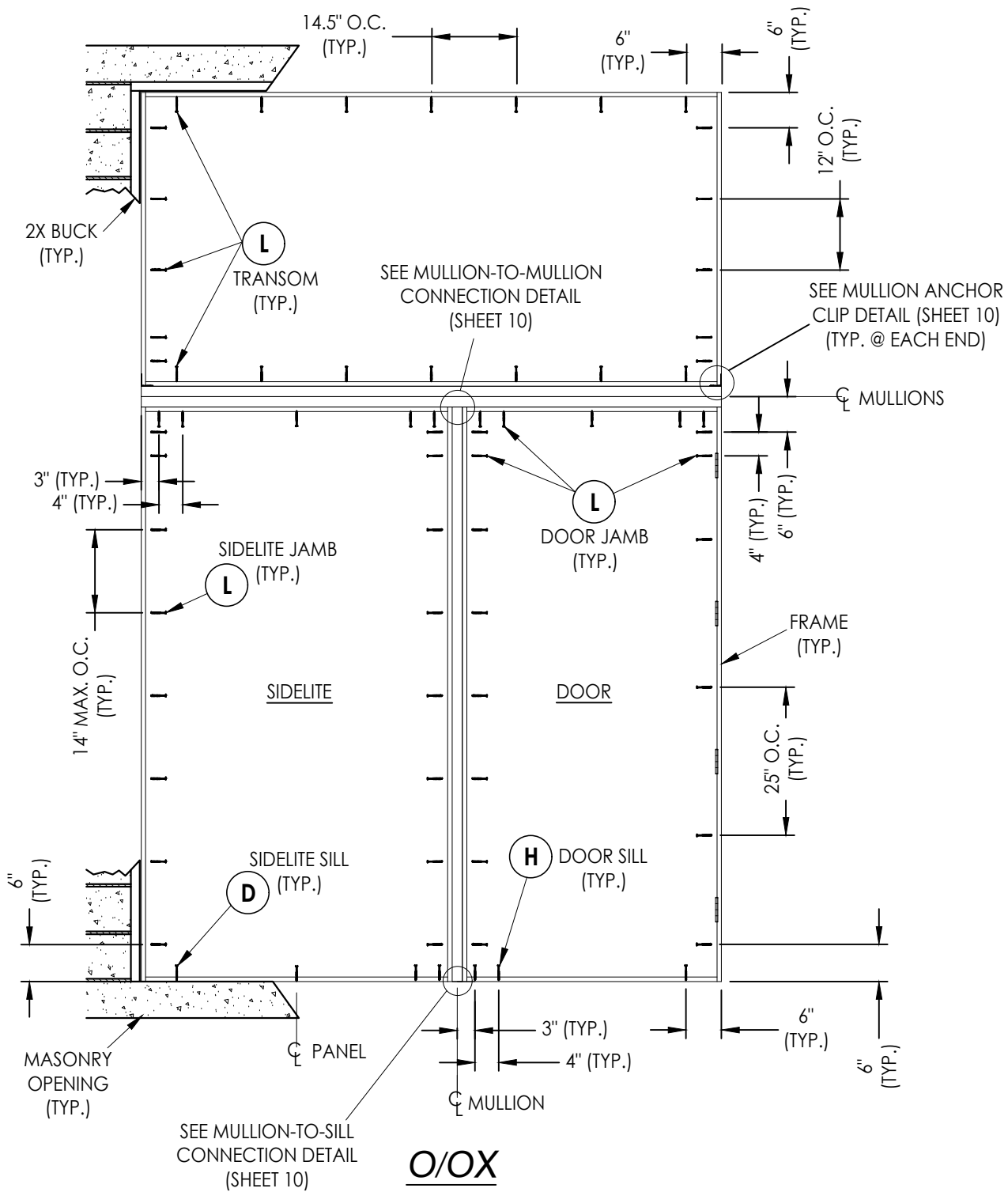
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2X BUCK ANCHORING

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PRODUCT: MILLWORK 360 FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK ANCHORING					
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SHEET 8 OF 11							

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

FRAME ANCHORING

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P.E. No. 43409

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

RW

PRODUCT:
MILLWORK 360
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
2	8/08/23	UPDATE TO 8TH ED. (2023) FBC
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		BY

DATE: 3/28/19

SCALE: N.T.S.

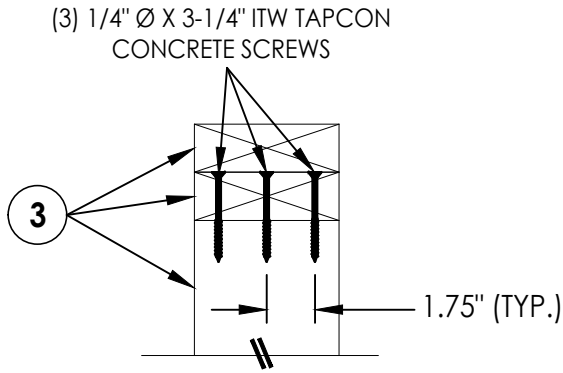
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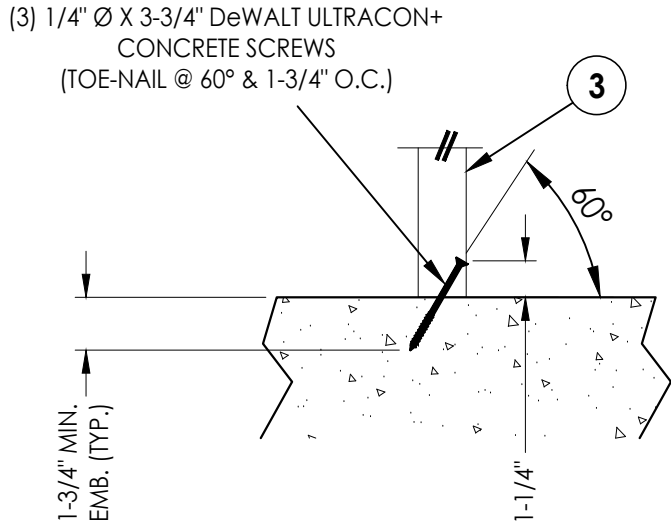
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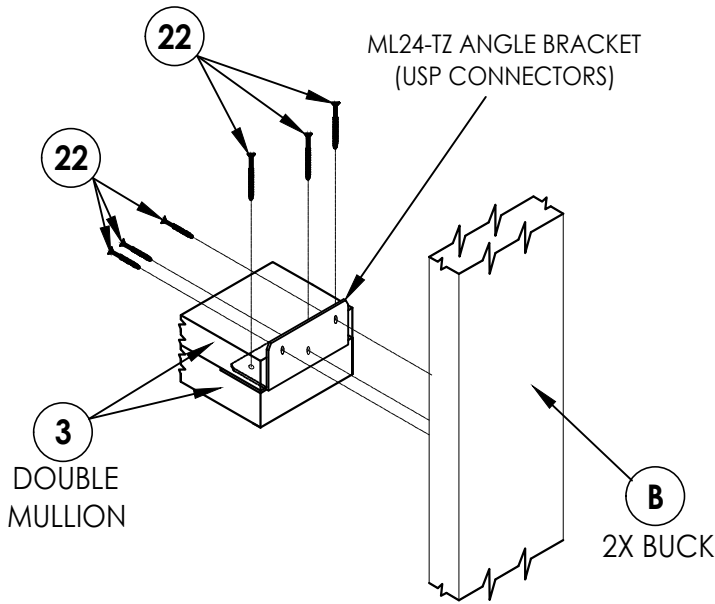


MULLION-TO-MULLION CONNECTION DETAIL

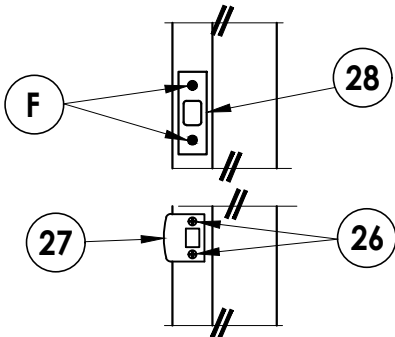


MULLION-TO-SILL CONNECTION DETAIL

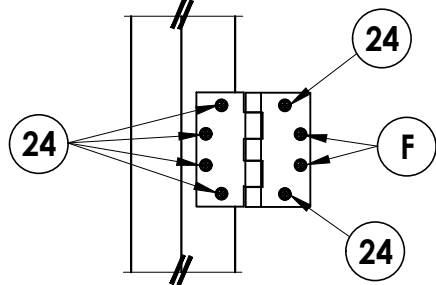
MULLION CONNECTION DETAILS



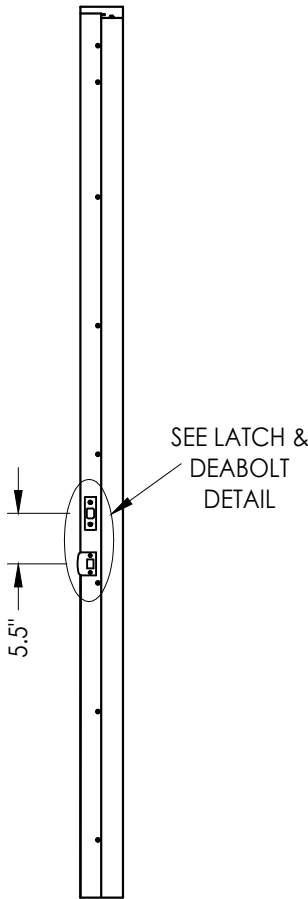
MULLION ANCHOR CLIP DETAIL



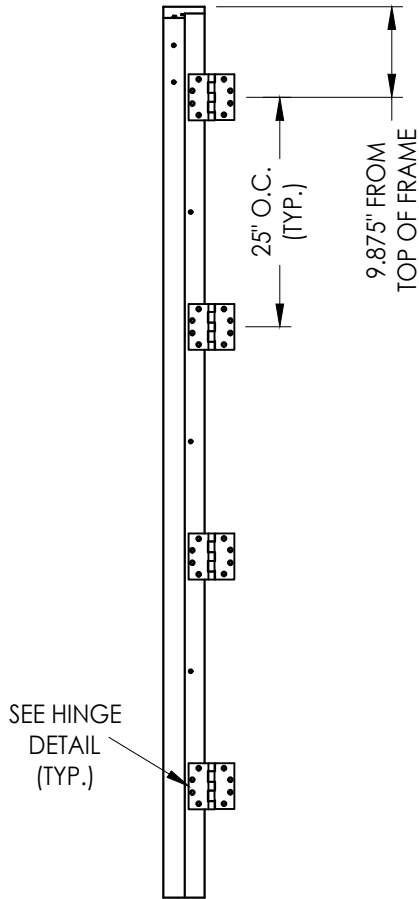
LATCH & DEADBOLT DETAIL



HINGE DETAIL



STRIKE JAMB



HINGE JAMB

HARDWARE DETAILS

Documents Prepared By:
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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:
HARDWARE & MULLION
CONNECTION DETAILS

NO.	DATE	REVISIONS		
		DATE	BY	DESCRIPTION
2	8/08/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
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FL-29241.2

SHEET 10 OF 11

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
B	2X BUCK (SG >= 0.55)	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 SMS	STEEL
H	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1-1/16" MIN. EMBEDMENT)	STEEL
1	JAMB (DOOR)	WOOD
2	JAMB (TRANSOM & SIDELITE)	WOOD
3	MULLION	LVL
4	GLAZING BEAD	WOOD
7	WEATHERSTRIP	FOAM
14	OUTSWING BUMP THRESHOLD	ALUM/WOOD
22	#12 X 1-1/2" PFH SMS	STEEL
24	#12 X 1-1/4" PFH SMS	STEEL
26	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	5" X 5" HINGE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-
60	TRANSOM PANEL	-

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

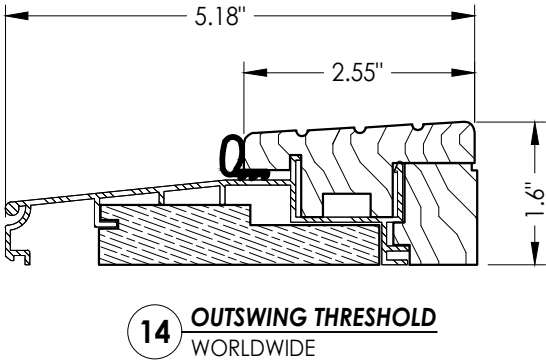
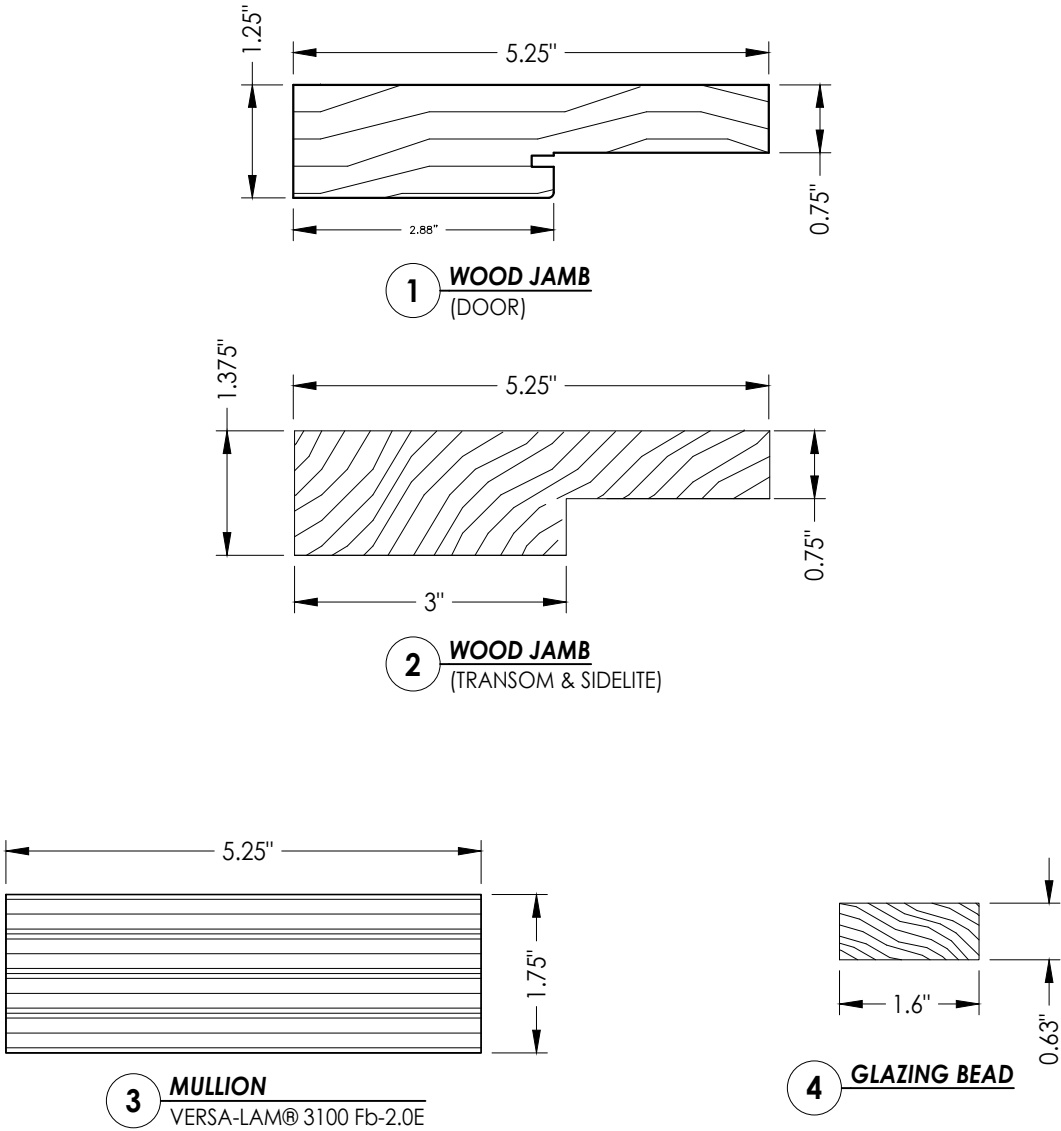
CONCRETE ANCHOR NOTES:

- 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	LOCATION	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	HEAD, JAMBS & SILL	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON+®		1/4"	1-1/4"	1"	4"
DeWALT ULTRACON+®	MULLION TO SILL	1/4"	1-3/4"	2-1/2"	1-3/4"

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.



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PRODUCT: MILLWORK 360 FIBERGLASS DOOR		PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
		LFS	BY
		FBC	
		FBC	
		DATE	REVISIONS
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SHEET 11 OF 11			