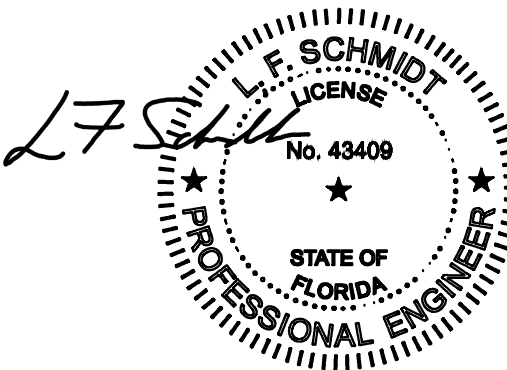


WOOD OR COMPOSITE EDGE
OPAQUE FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
INSWING
"NON-IMPACT"

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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 as follows: Wind Zones 1, 2 & 3: Glazed Sidelites only; Wind Zone 4: Entire System.
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. Fiber-Classic & Smooth-Star Door and Sidelite panels require the use of "J" part numbers and must be stained or painted within six months of installation.



Digitally signed
by Lyndon F
Schmidt
Date: 2023.07.24
17:26:02 -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

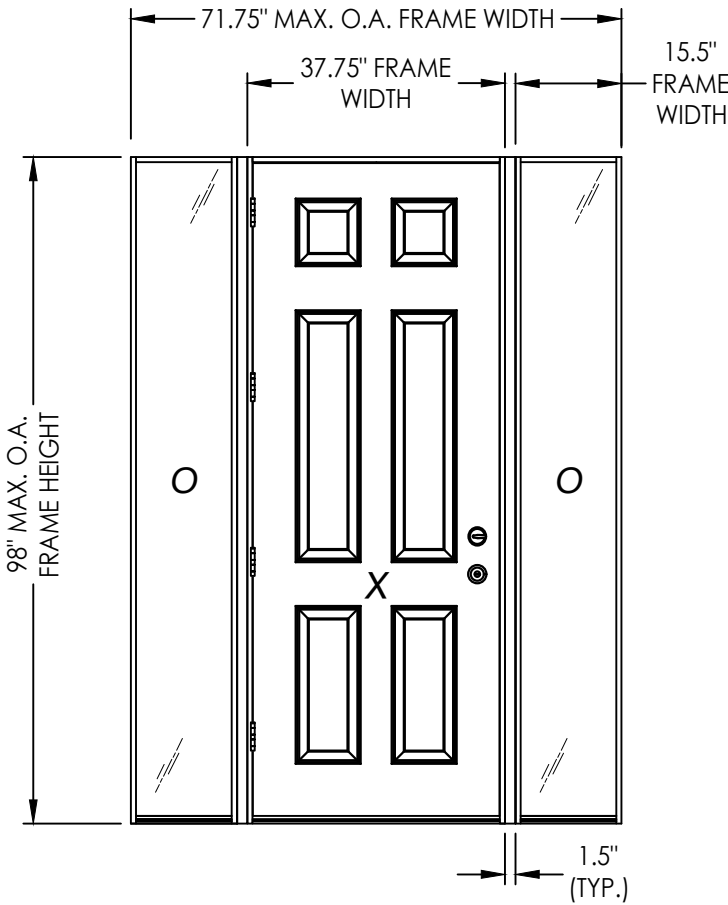
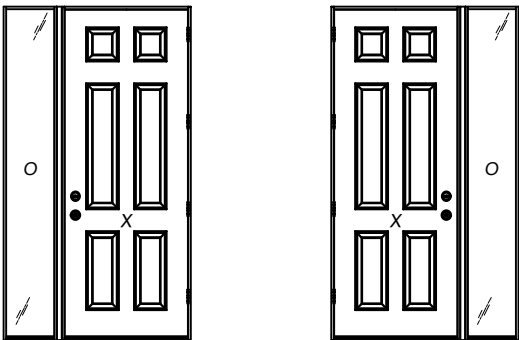


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SHEET #	DESCRIPTION	SHEET#	
1	Typical Elevations, Design Pressures & General Notes	7	Vertical Cross Sections (Thresholds)
2	Door Panel Details	8	Buck Anchoring
3	Sidelite Panel Details	9	Frame Anchoring
4	Elevations	10	Hardware Details
5	Horizontal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

CONFIGURATION	2X REINFORCEMENT REQUIRED	DESIGN PRESSURE (PSF) w/ FJ PINE JAMBS		DESIGN PRESSURE (PSF) w/ COMPOSITE JAMBS	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	NO	+40.0	-45.0	+30.0	-40.0
	YES	+50.0	-55.0	+50.0	-55.0

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 License No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	
		BY	LFS
1	7/24/23	UPDATE TO 8TH ED. (2023) FBC	

DATE: 12/10/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-35436.9
SHEET 1 OF 11

Diagram illustrating the cross-sections of a door assembly, showing the exterior and interior views with dimensions and component labels.

Exterior View (Left):

- Dimensions: 0.4" (width of hinge stile), 0.7" (width of hinge stile).
- Labels: COMPOSITE CAP, HINGE STILE (ENGINEERED WOOD).

Interior View (Right):

- Dimensions: 3.6" (width of lock stile), 0.4" (width of hinge stile).
- Labels: COMPOSITE CAP, LOCK STILE (ENGINEERED WOOD).

The image displays four cross-sectional diagrams of railings, organized into two rows and two columns. The top row shows railings with a height of 0.83". The bottom row shows railings with a height of 0.85" and a width of 1.7".

Top Row (0.83" Height):

- Left Diagram (Interior):** Labeled "INTERIOR" below. It shows a cross-section with a "TOP RAIL (COMPOSITE)" at the top and a "FOAM CORE (POLYURETHANE - 1.9 PCF MIN.)" in the center. A break symbol (//) is shown at the bottom.
- Right Diagram (Exterior):** Labeled "EXTERIOR" below. It shows a cross-section with a "TOP RAIL (COMPOSITE/ENGINEERED WOOD)" at the top and a "FOAM CORE (POLYURETHANE - 1.9 PCF MIN.)" in the center. A break symbol (//) is shown at the bottom.

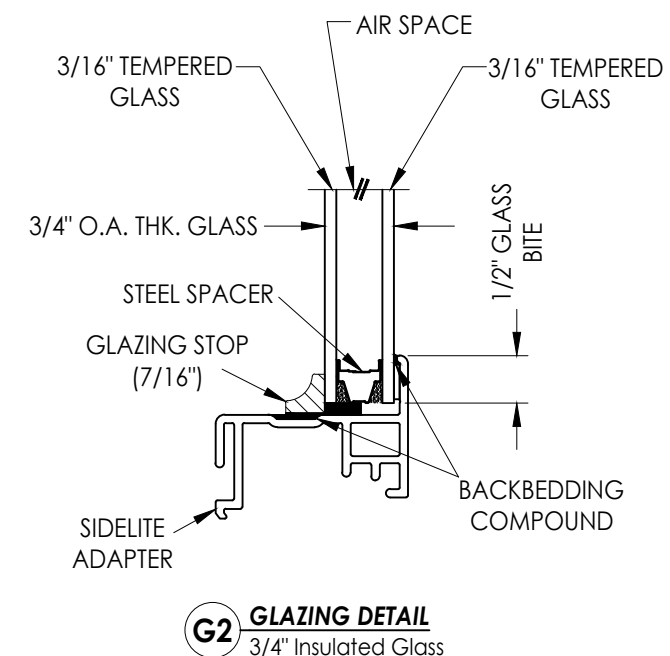
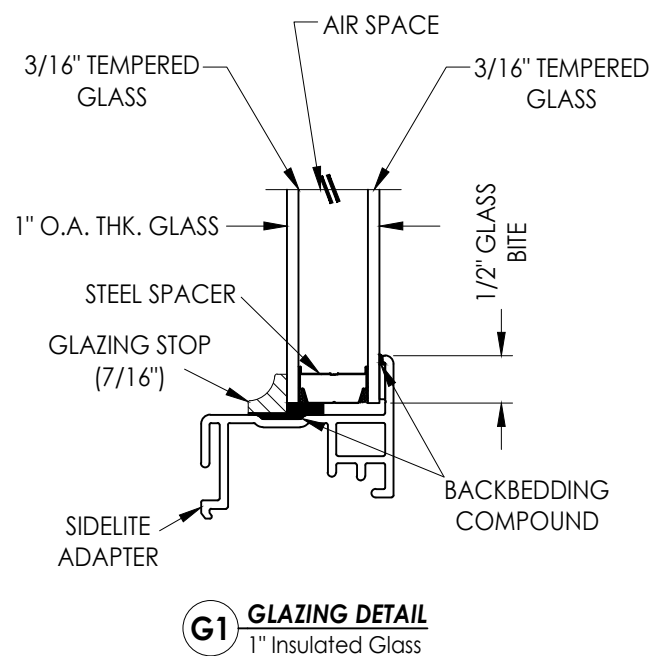
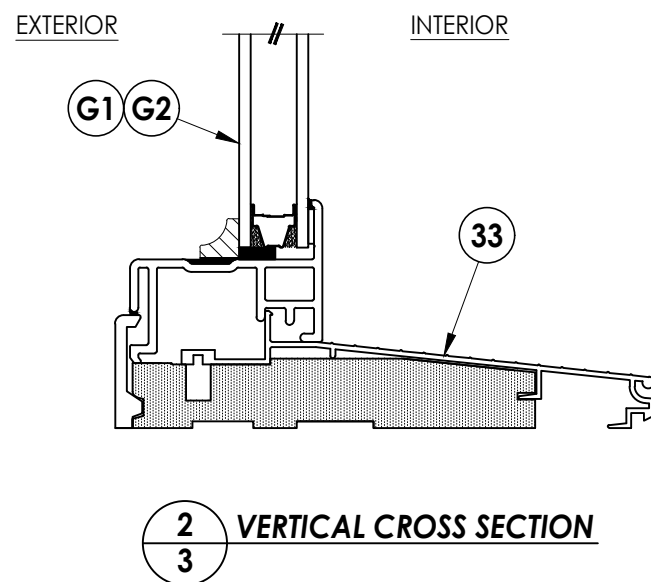
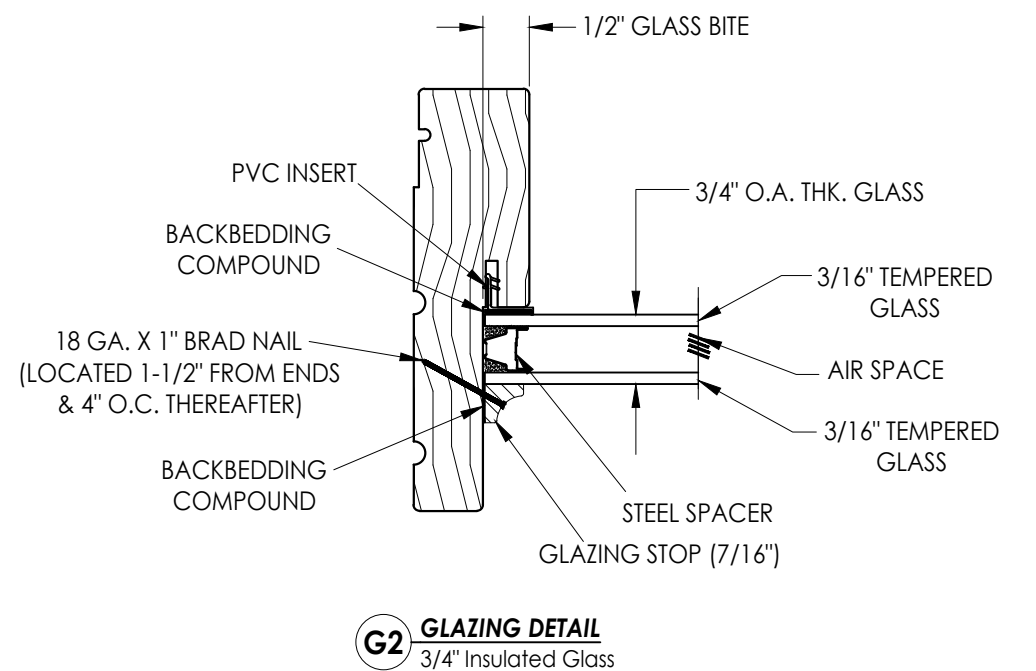
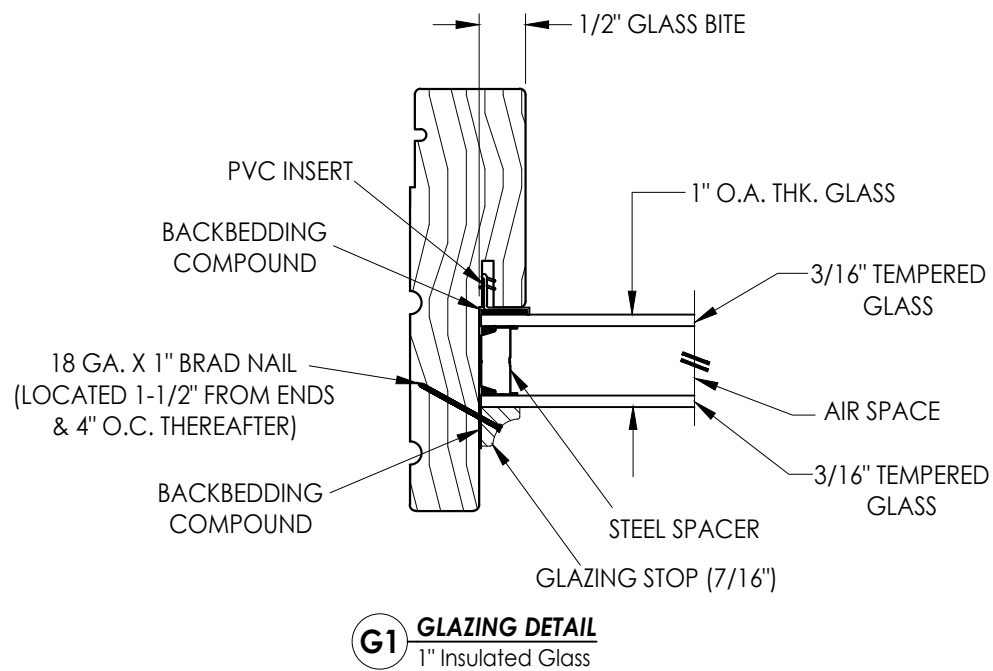
Bottom Row (0.85" Height, 1.7" Width):

- Left Diagram (Interior):** Labeled "INTERIOR" below. It shows a cross-section with a "FIBERGLASS SKIN (0.082" THK.)" on the sides and a "BOTTOM RAIL (COMP.)" at the base. A break symbol (//) is shown at the top.
- Right Diagram (Exterior):** Labeled "EXTERIOR" below. It shows a cross-section with a "FIBERGLASS SKIN (0.082" THK.)" on the sides and a "BOTTOM RAIL (COMP.)" at the base. A break symbol (//) is shown at the top.

4 **VERTICAL CROSS SECTION**
2 COMPOSITE EDGE

[illegible]

DATE:	12/10/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-35436.9
SHEET	2 OF 11

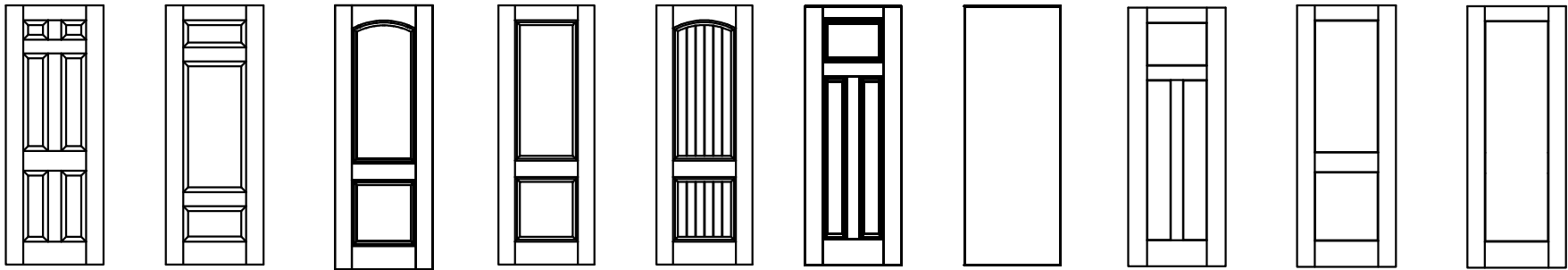


Documents Prepared By:
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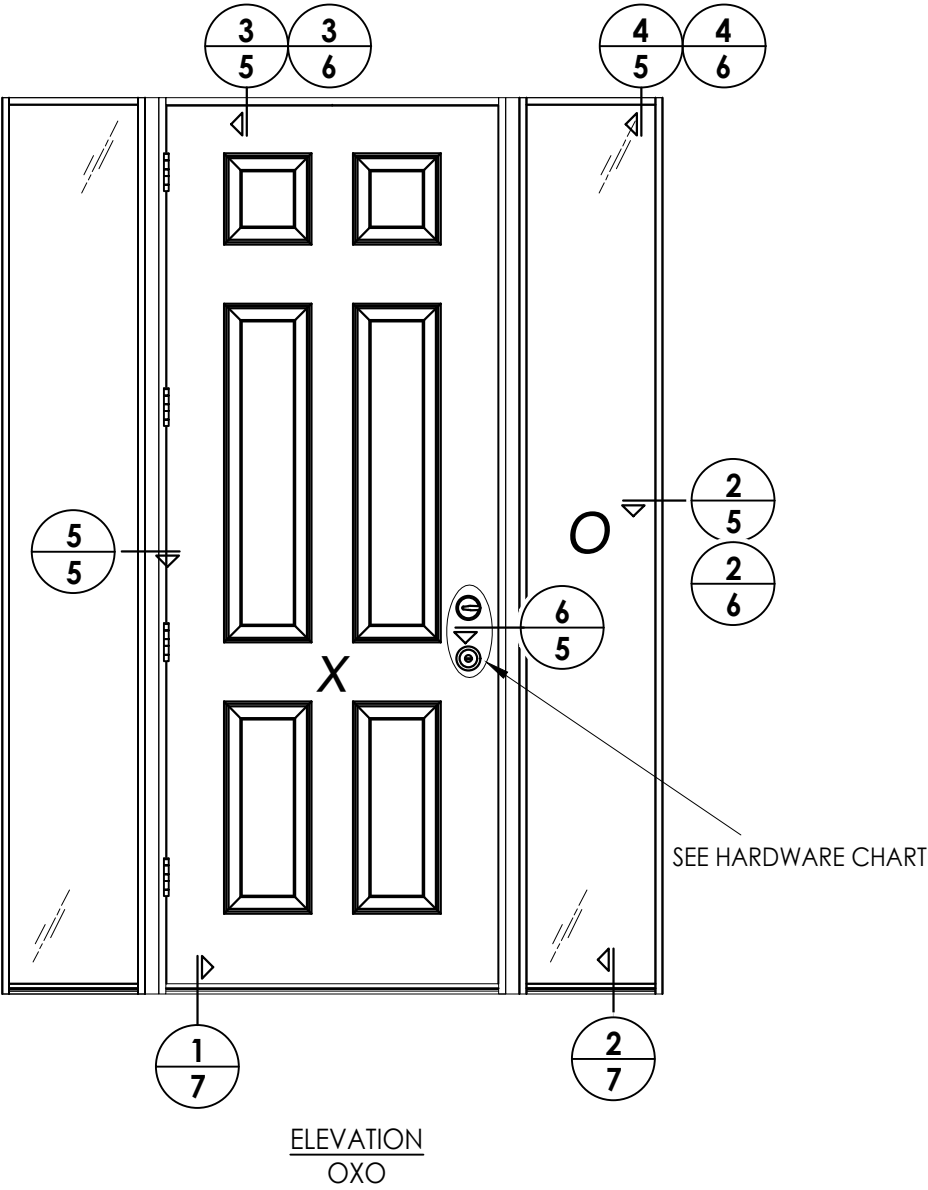
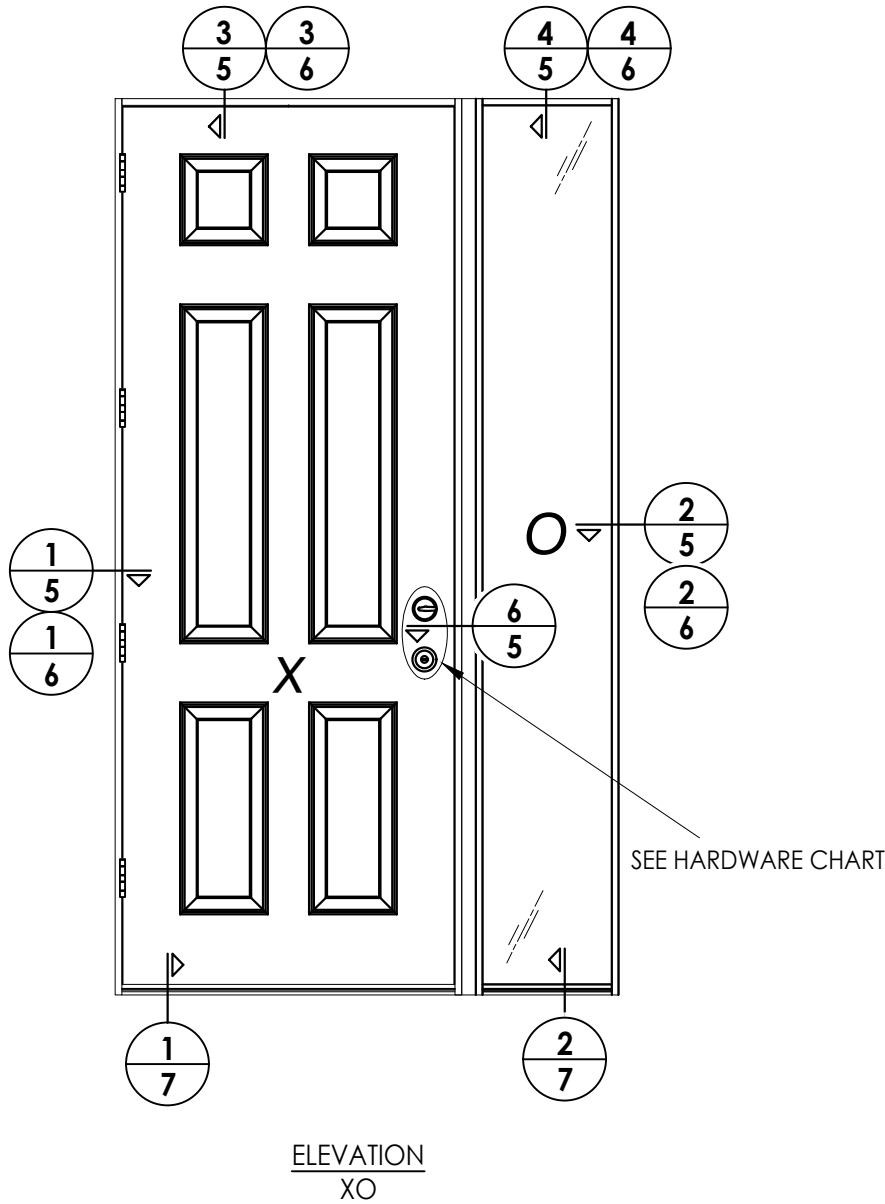
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Fiber-Classic/Smooth-Star Door Panel Options

Products approved include all embossed and recessed panel doors.
Similar opaque panel configurations are allowed.
Panels shown are for illustration and are representative only.



Hardware Table		
Manufacturer	Model	
Schlage	Knob:	F51
	Deadbolt:	B60
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (980)

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-35436.9

SHEET 4 OF 11

REVISIONS

NO.	DATE	DESCRIPTION
1	7/24/23	UPDATE TO 8TH ED. (2023) FBC

7/24/23

DATE

1

NO.

BY

LFS

RW

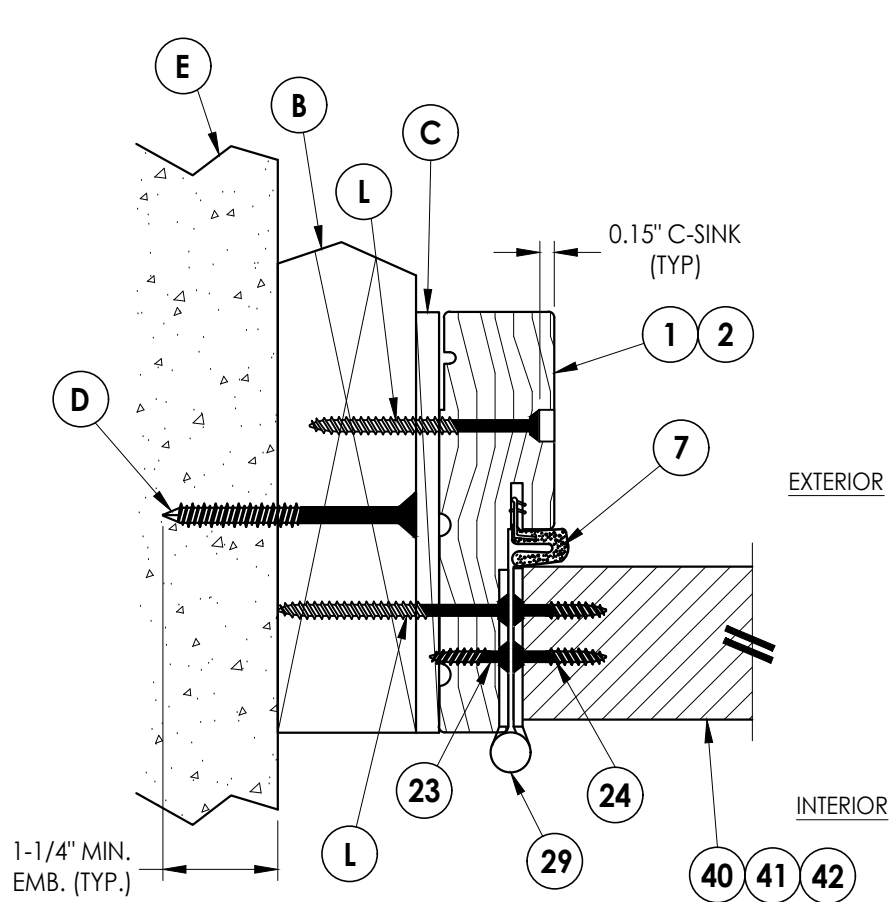
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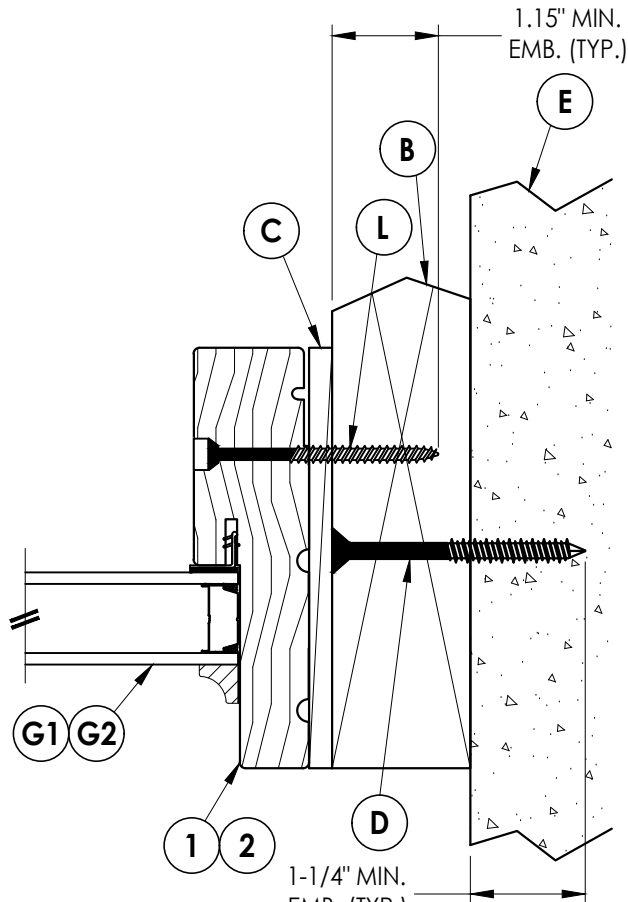
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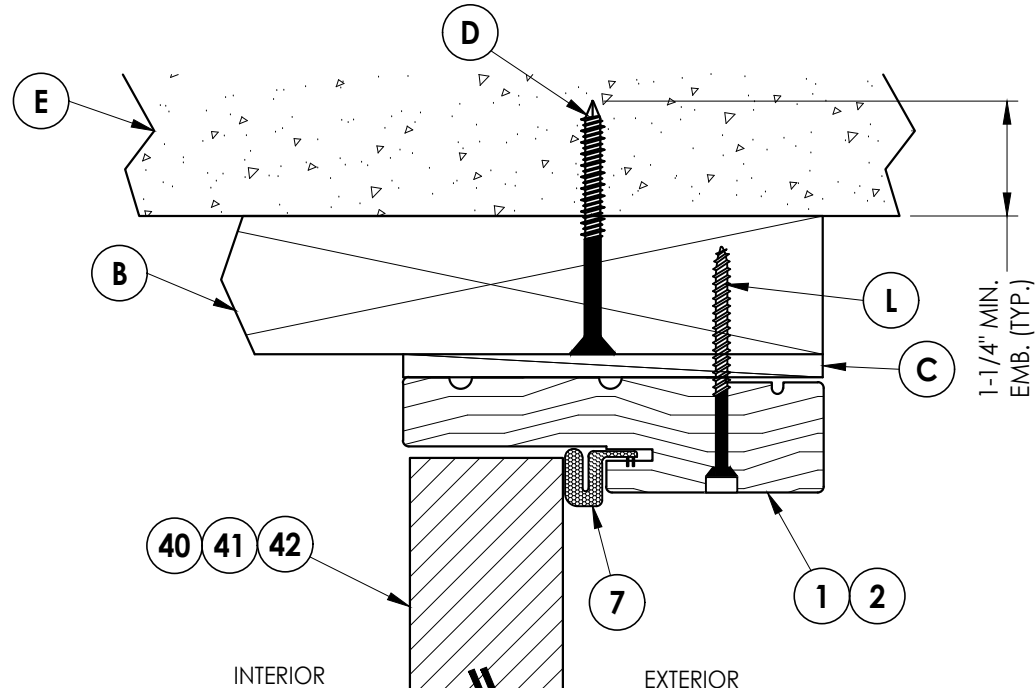
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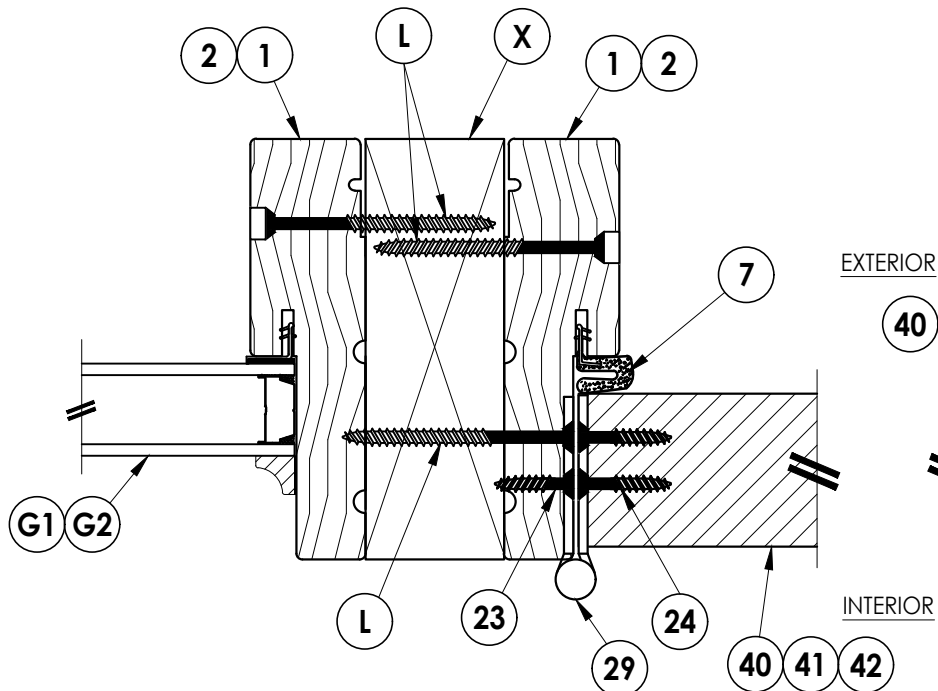
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5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck



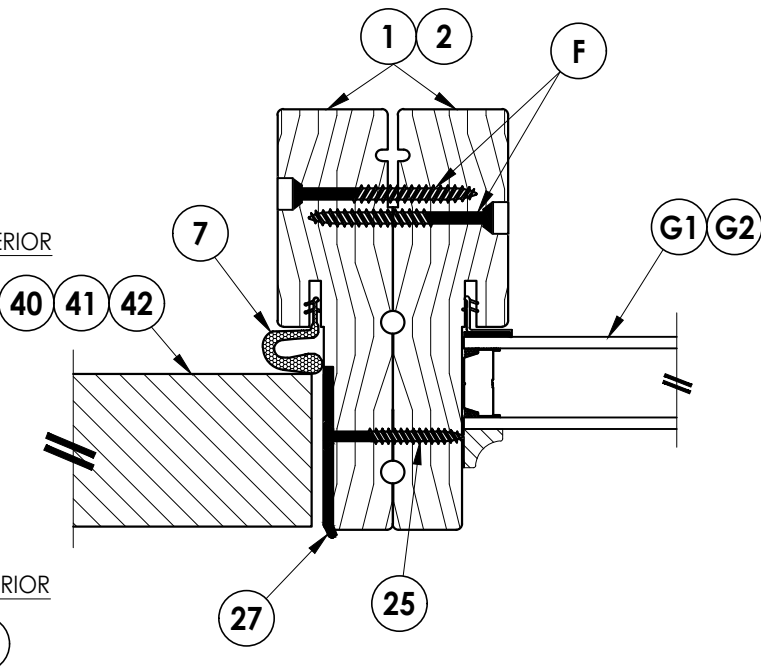
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Shown w/ 2X Buck



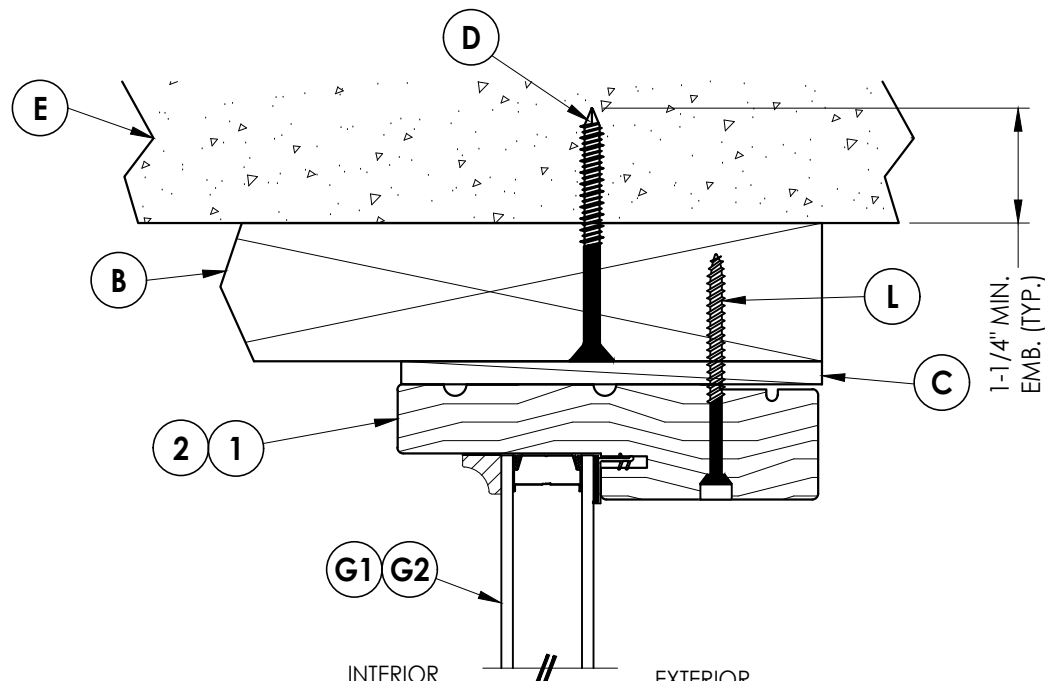
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5 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck



5
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Reinforcement



6
5 **HORIZONTAL CROSS SECTION**
Shown w/ Back-to-Back Jambs



4
5 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS
1	7/24/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

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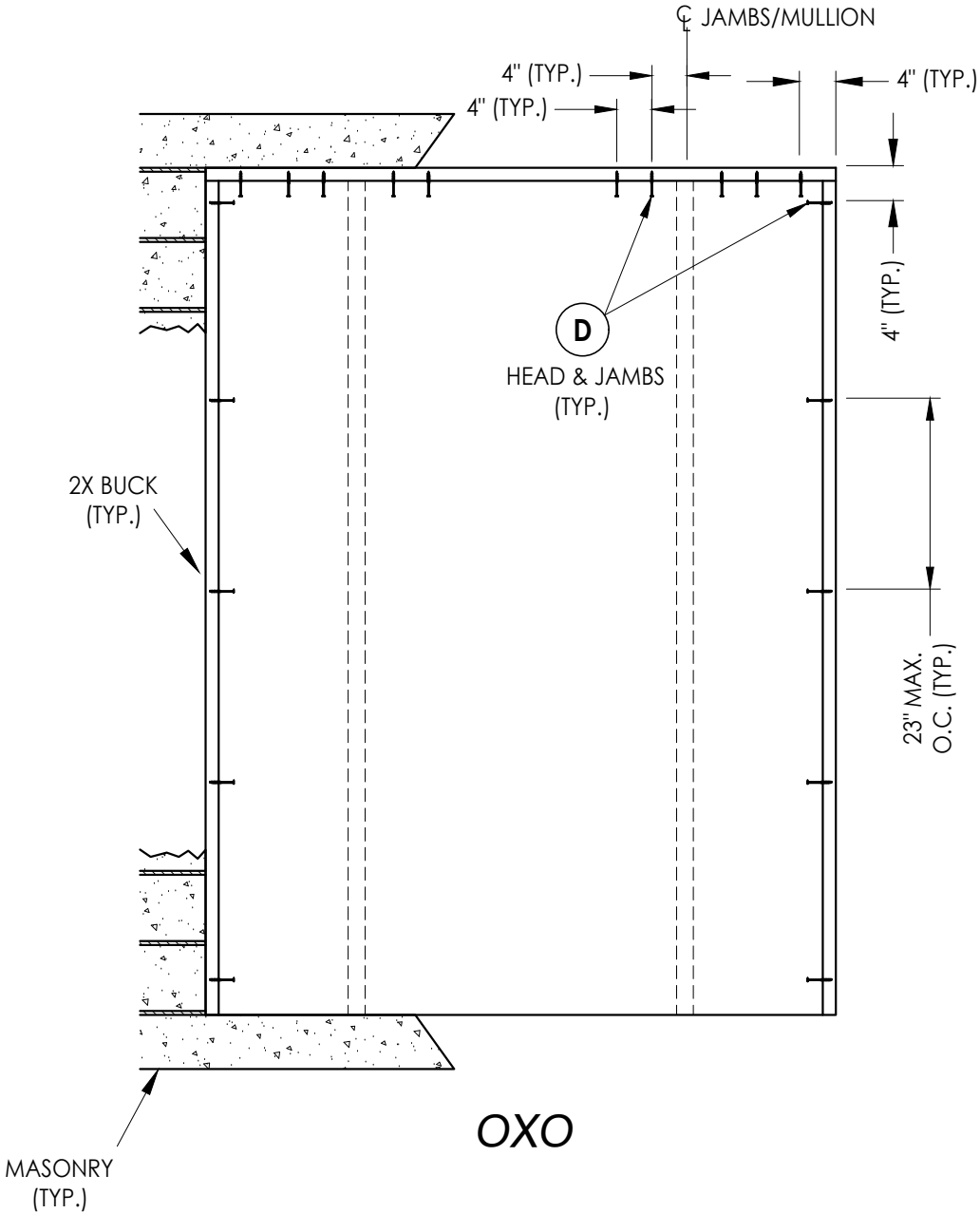
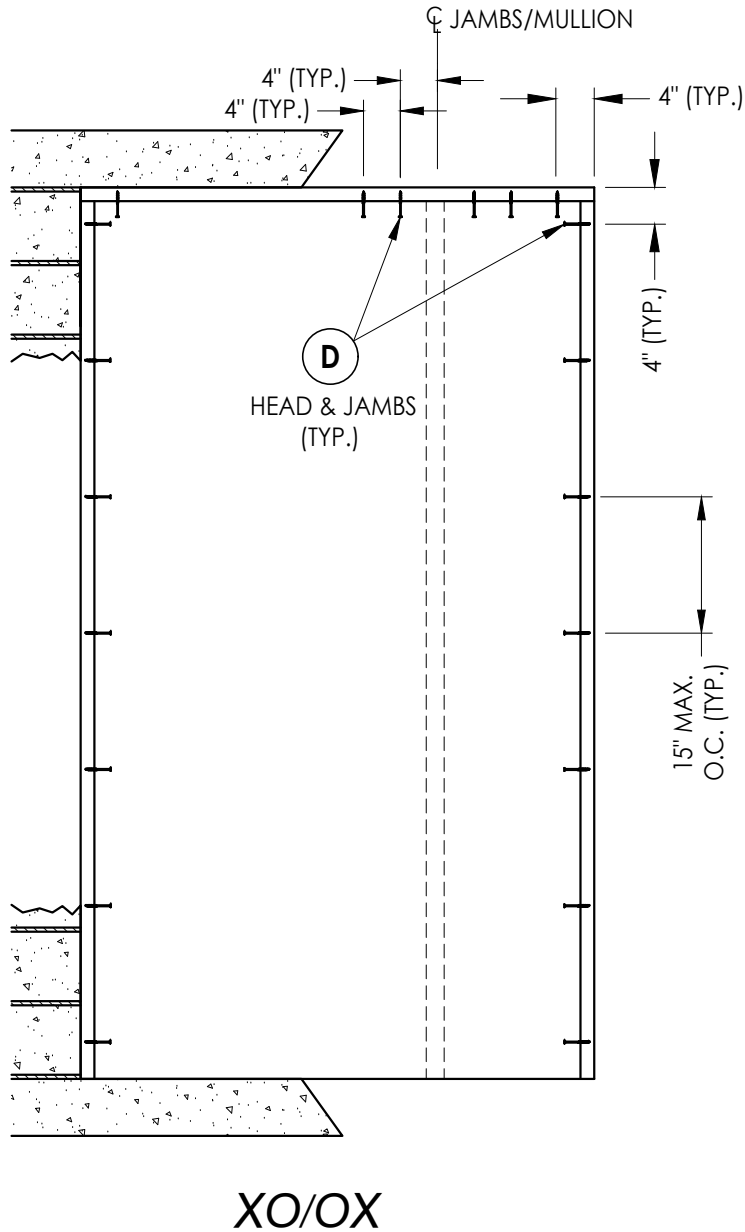
DRAWING NO.: FL-35436.9

SHEET 5 OF 11



DATE: 12/10/20		PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813					
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CHK. BY: LFS									
DRAWING NO.: FL-35436.9									
SHEET 6 OF 11									
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								REVISIONS	

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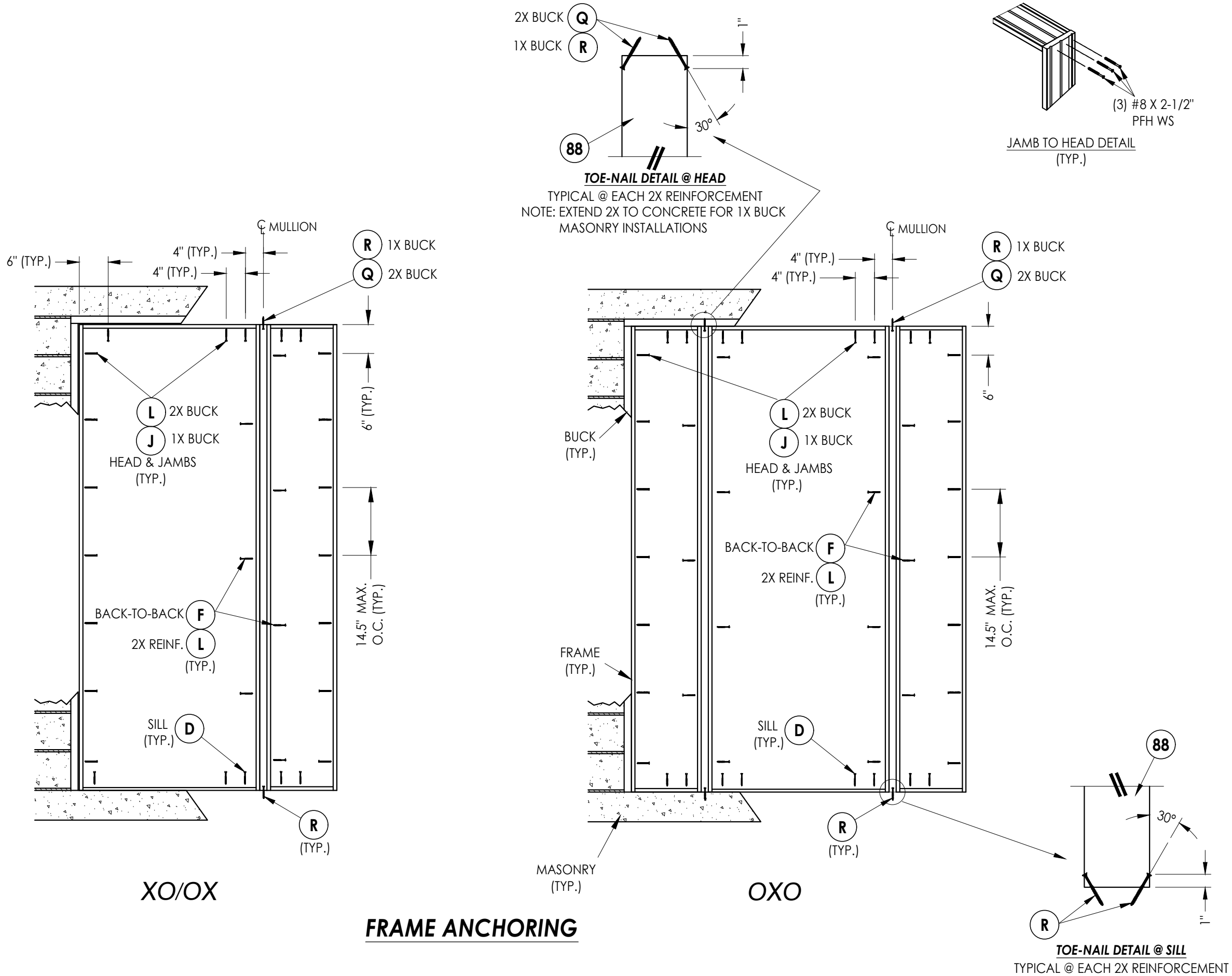
2X BUCK ANCHORING

DATE: 12/10/20	
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SHEET 8 OF 11	

PRODUCT: THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY: BUCK ANCHORING	

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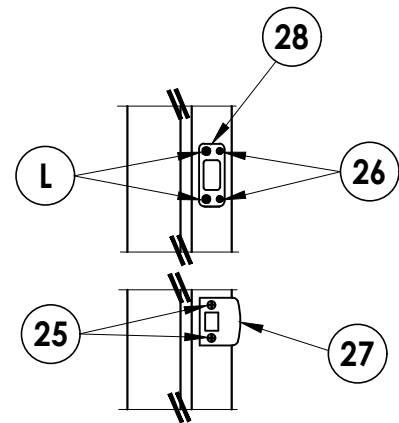
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Phone No.: 813.659.9197
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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

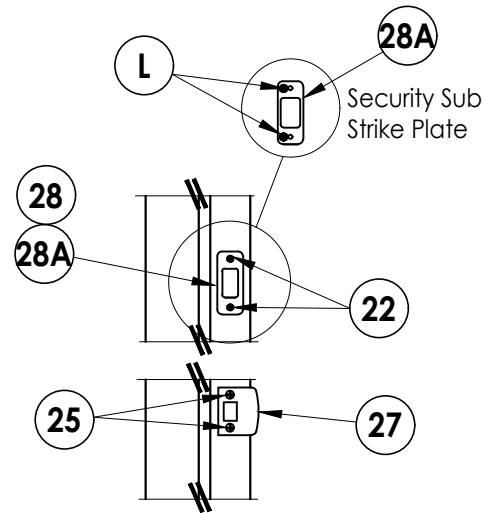
PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
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		BY

DATE: 12/10/20
SCALE: N.T.S.
DWG. BY: RW
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DRAWING NO.: FL-35436.9
SHEET 9 OF 11

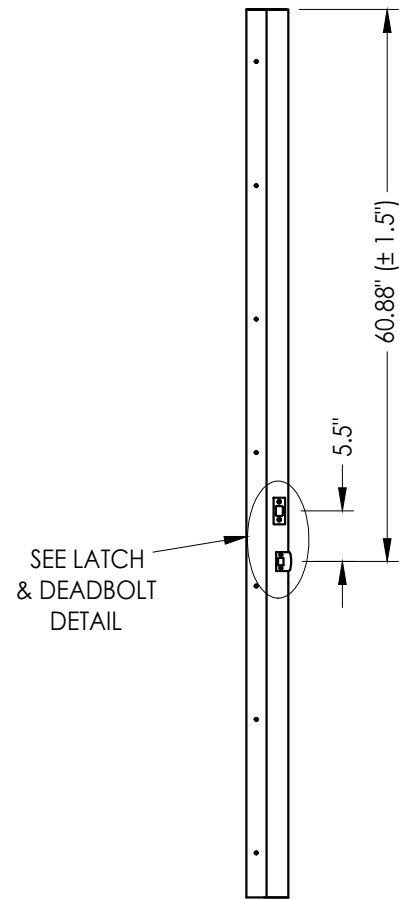


LATCH & DEADBOLT DETAIL
Kwikset

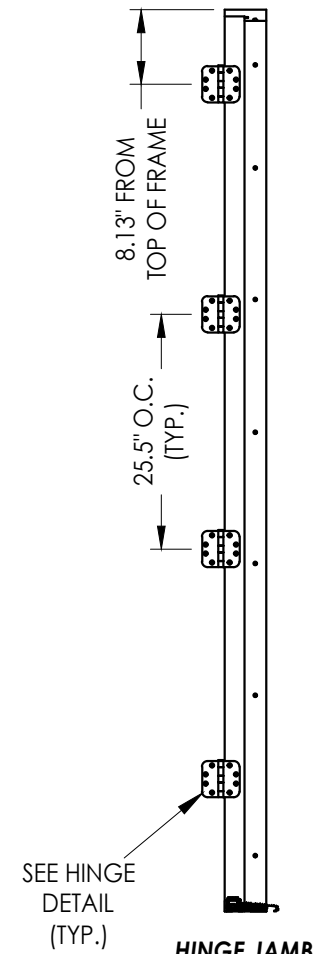


LATCH & DEADBOLT DETAIL
Schlage

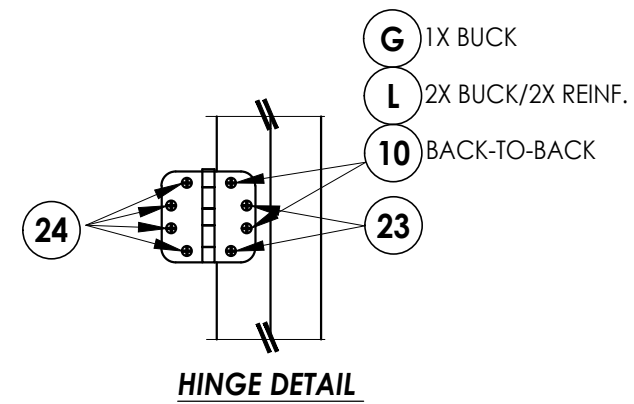
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch & Deadbolt



HINGE JAMB



HINGE DETAIL

1	7/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
NO.	DATE			BY
				REVISIONS

DATE:	12/10/20
SCALE:	N.T.S.
DWG. BY:	RW
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DRAWING NO.:	FL-35436.9
SHEET	10 OF 11

Documents Prepared By:
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P.E. No. 43409

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