

27

L. F. SCHMIDT

LICENSE

No. 43409

★

PROFESSIONAL ENGINEER

STATE OF FLORIDA

Digitally signed

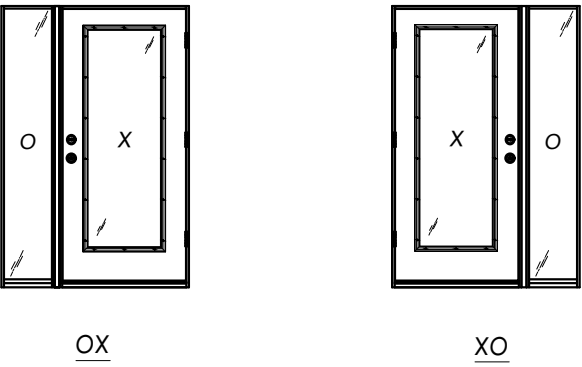
by Lyndon F Schmidt

Date: 2023.07.24 17:31:28 -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



GLAZED FIBERGLASS SINGLE DOOR
w/ DIRECT SET 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.

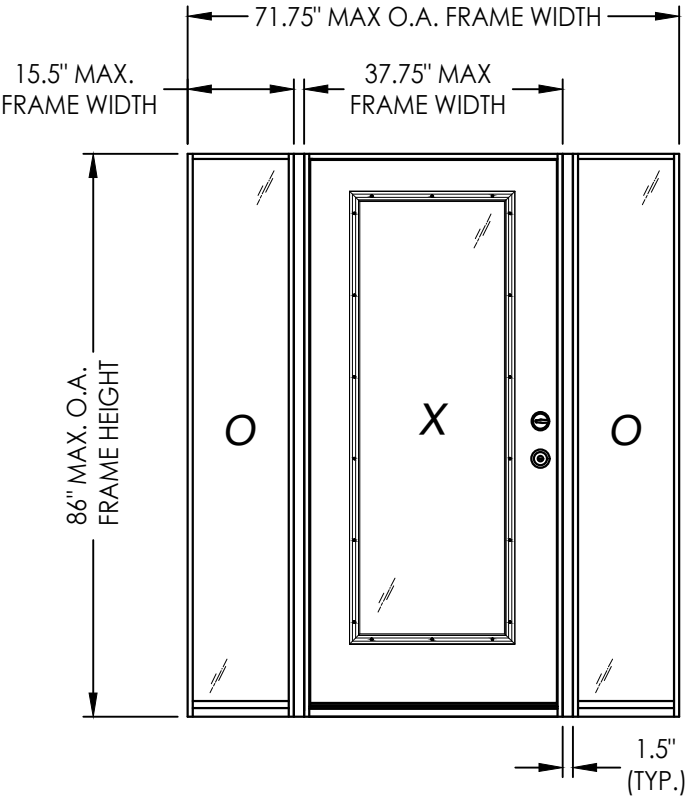
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

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.
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.

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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
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5	Horizontal & Vertical Cross Sections (2X Buck)	11	Glazing Details
6	Horizontal & Vertical Cross Sections (1X Buck)	12	Bill of Materials & Components



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	+40.0	-45.0
	YES	+40.0	-45.0	+40.0	-45.0

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

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-35436.18

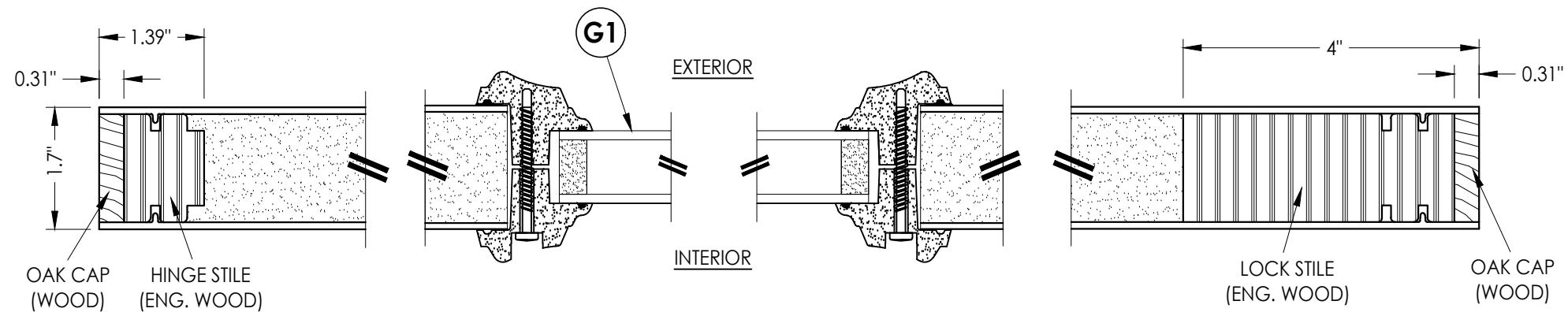
SHEET 1 OF 12

REVISIONS

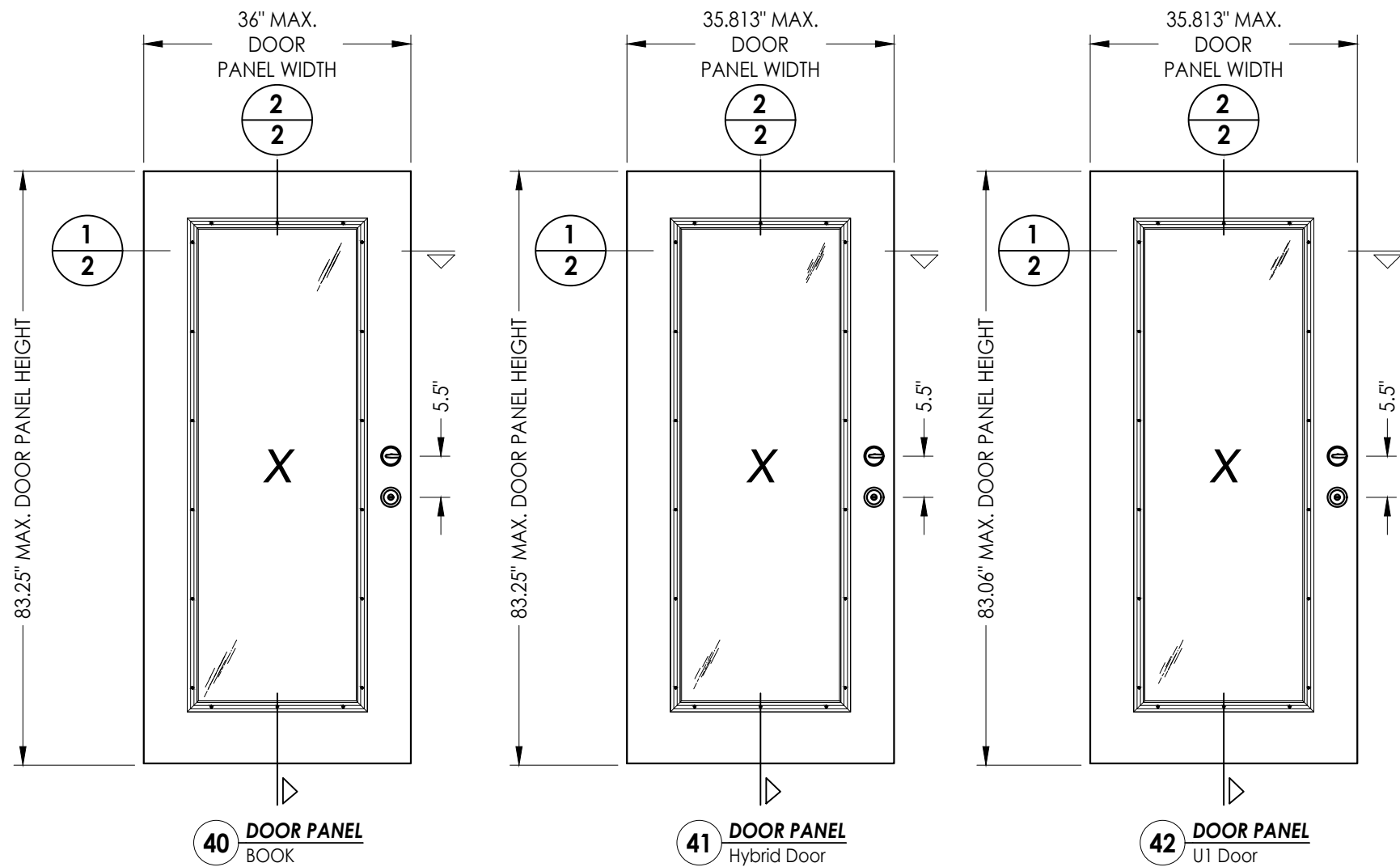
NO.	DATE	DESCRIPTION
1	7/24/23	UPDATE TO 8TH ED. (2023) FBC

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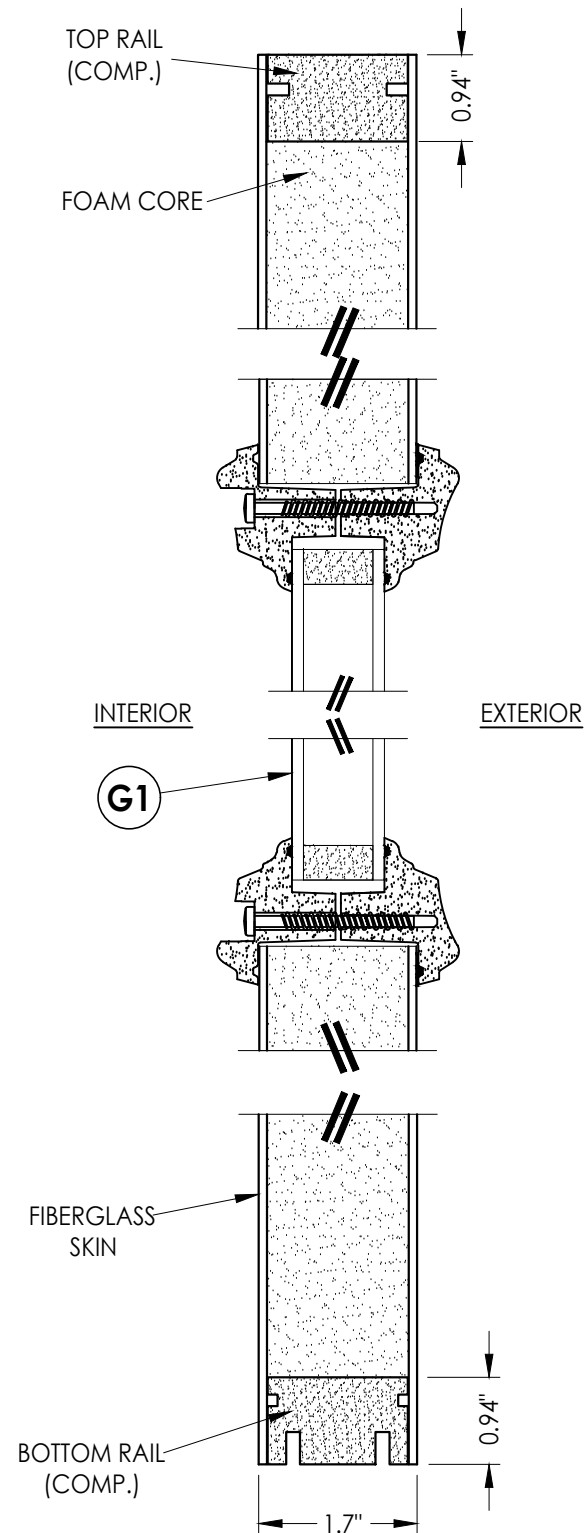


1 HORIZONTAL CROSS SECTION



"Classic Craft" SERIES DOOR PANEL

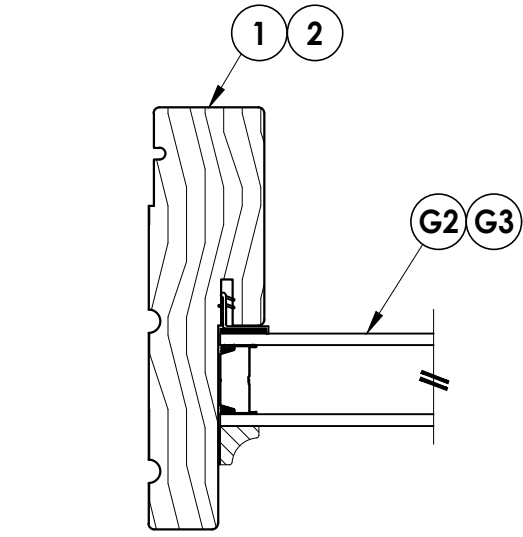
FIBERGLASS DOOR SKIN: 0.095" MIN. THK.
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)



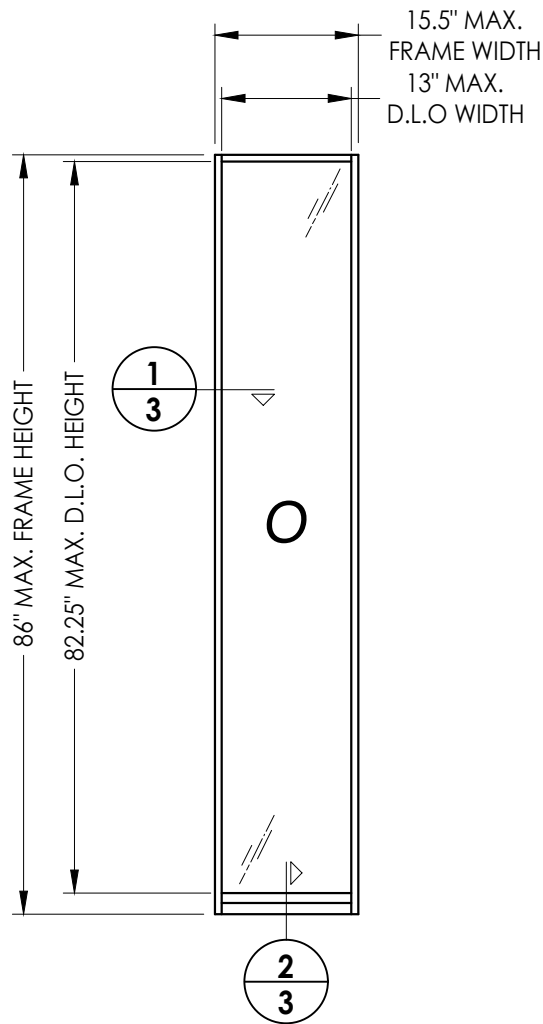
2 VERTICAL CROSS SECTION
2

[illegible]

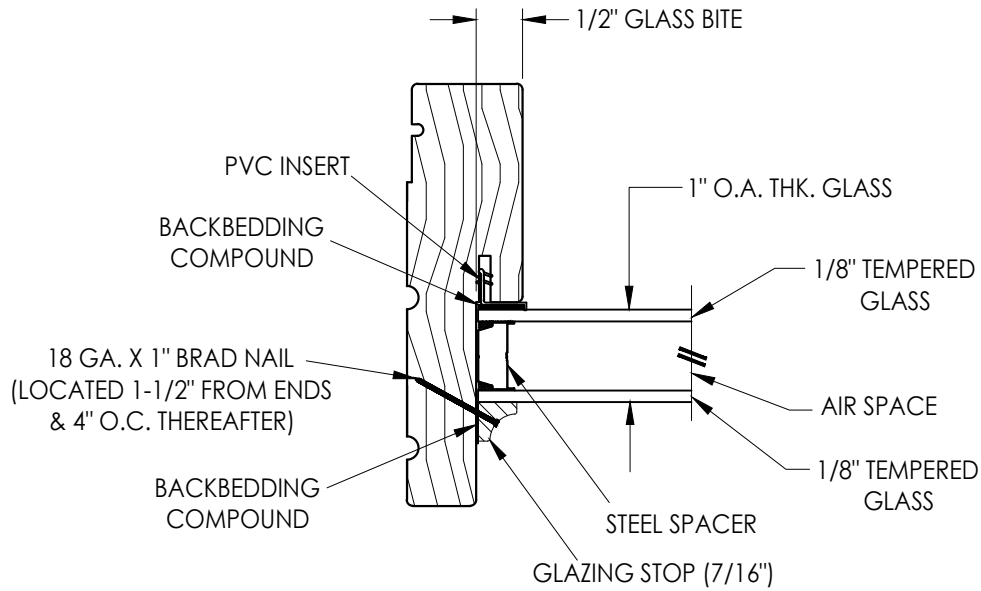
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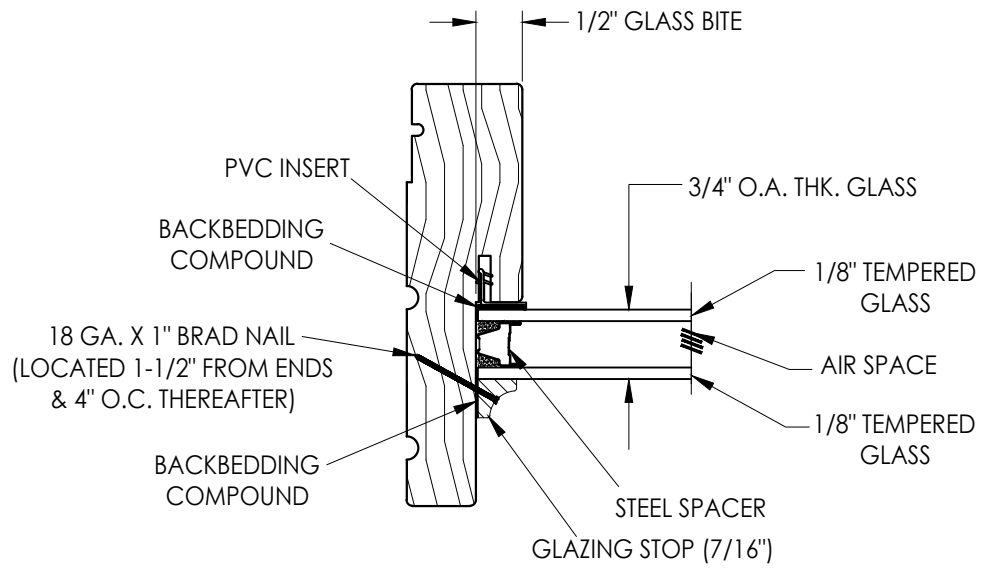
1
3 **HORIZONTAL CROSS SECTION**



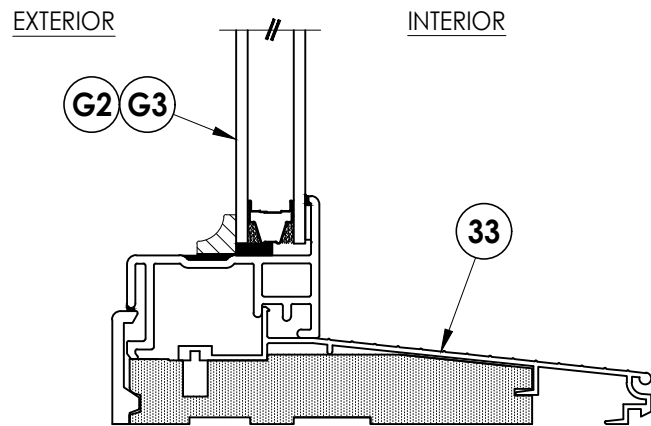
50 **DIRECT SET SIDELITE FRAME**



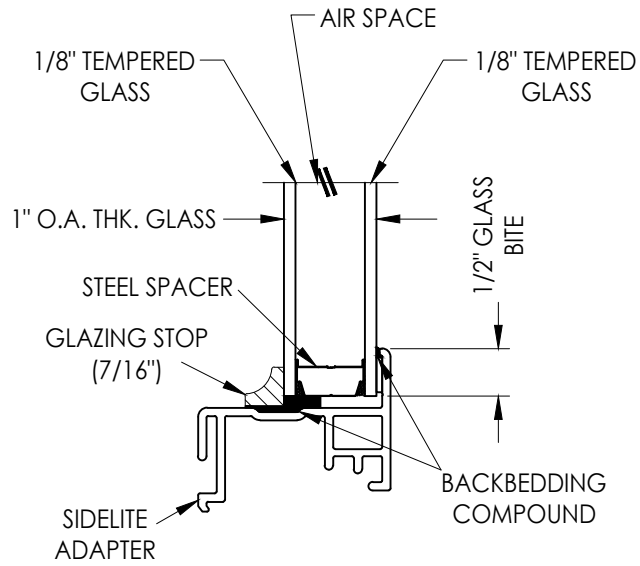
G2 **GLAZING DETAIL**
1" Insulated Glass



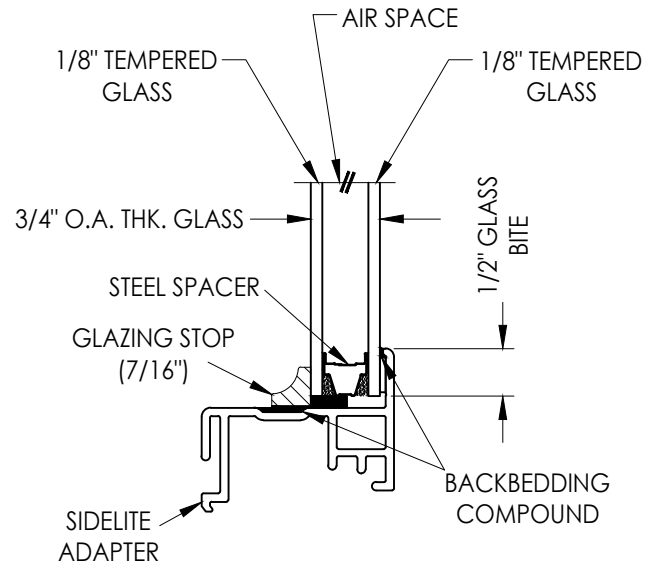
G3 **GLAZING DETAIL**
3/4" Insulated Glass



2
3 **VERTICAL CROSS SECTION**



G2 **GLAZING DETAIL**
1" Insulated Glass



G3 **GLAZING DETAIL**
3/4" Insulated Glass

Documents Prepared By:
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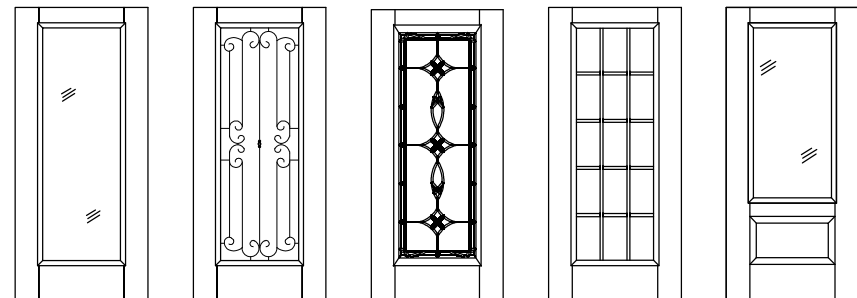
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

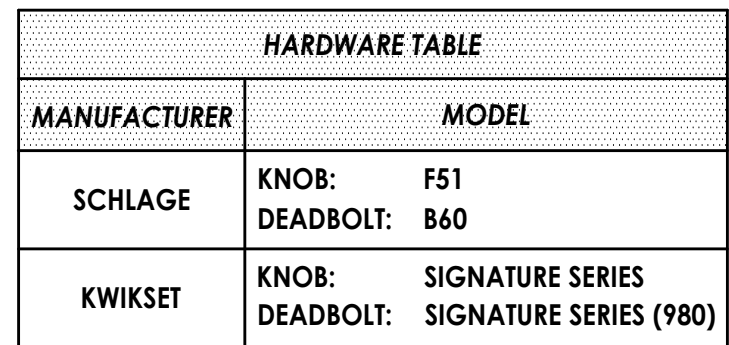
NO.	DATE	DESCRIPTION	BY
1	7/24/23	UPDATE TO 8TH ED. (2023) FBC	LFS

REVISIONS

DATE:	12/10/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-35436.18
SHEET	3 OF 12



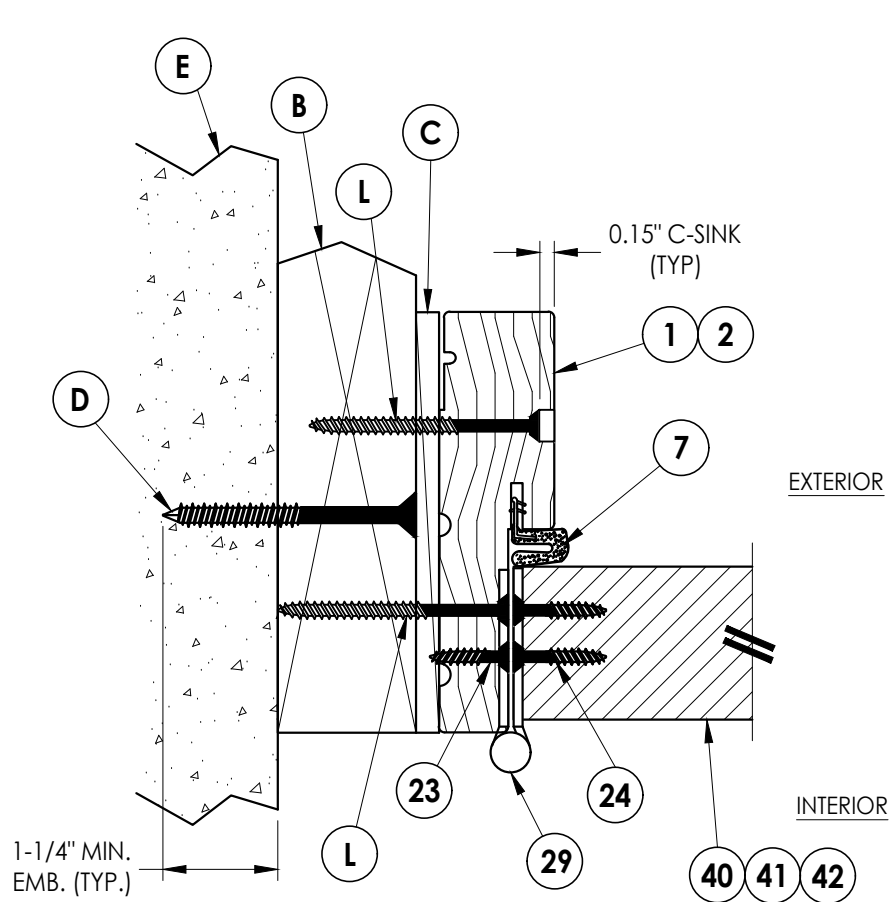
Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.



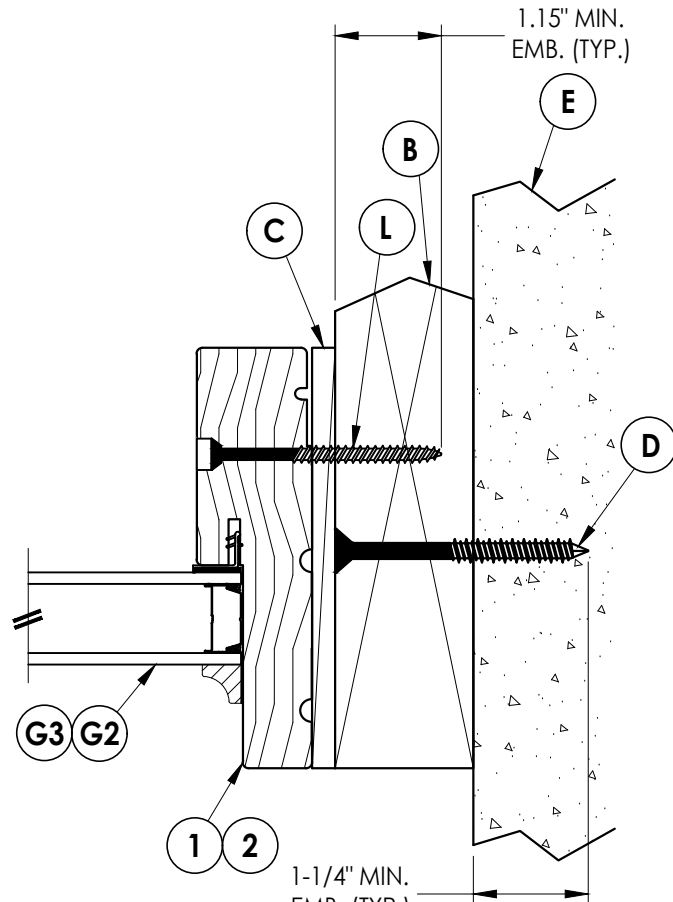
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SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-35436.18
SHEET	4 OF 12

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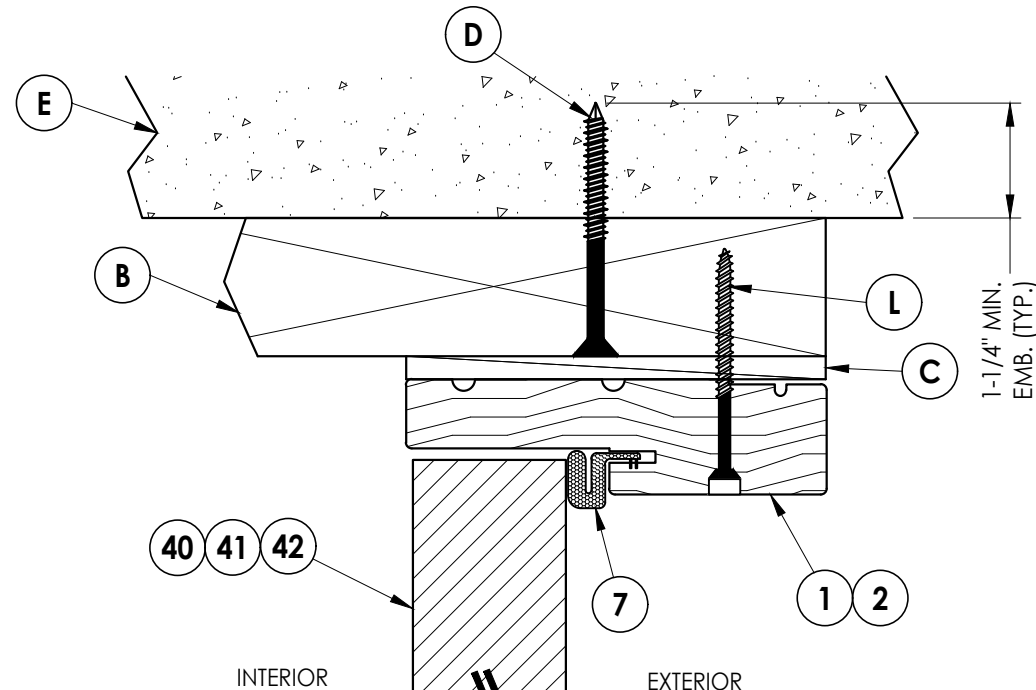
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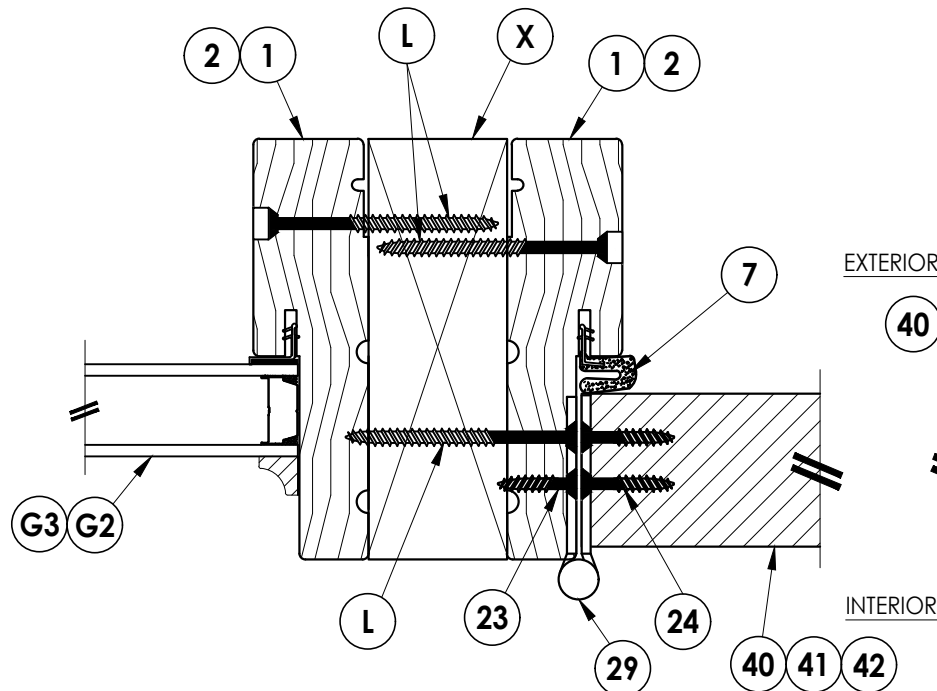
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5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck



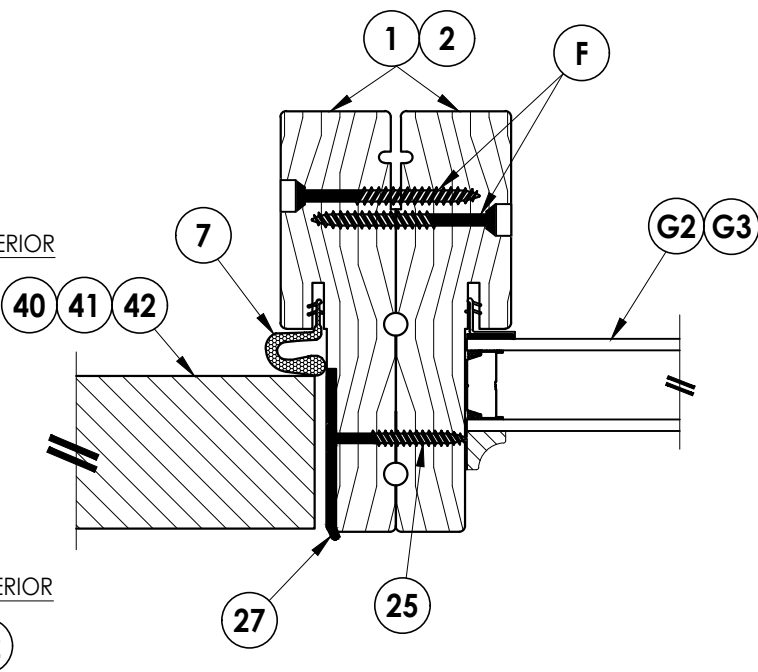
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5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck



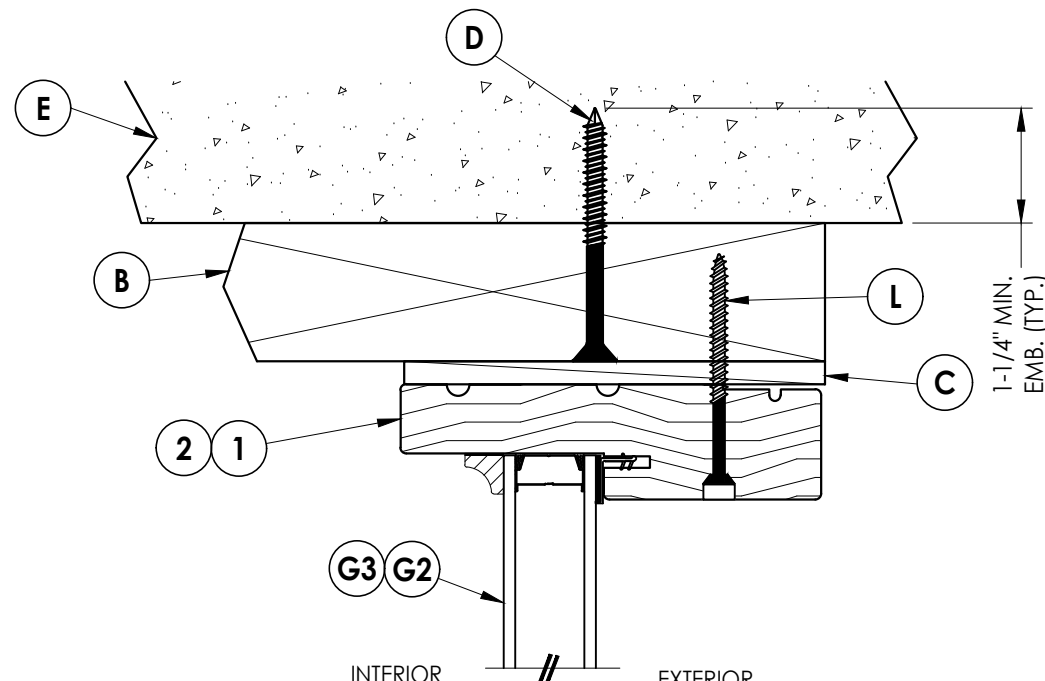
3
5 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck



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

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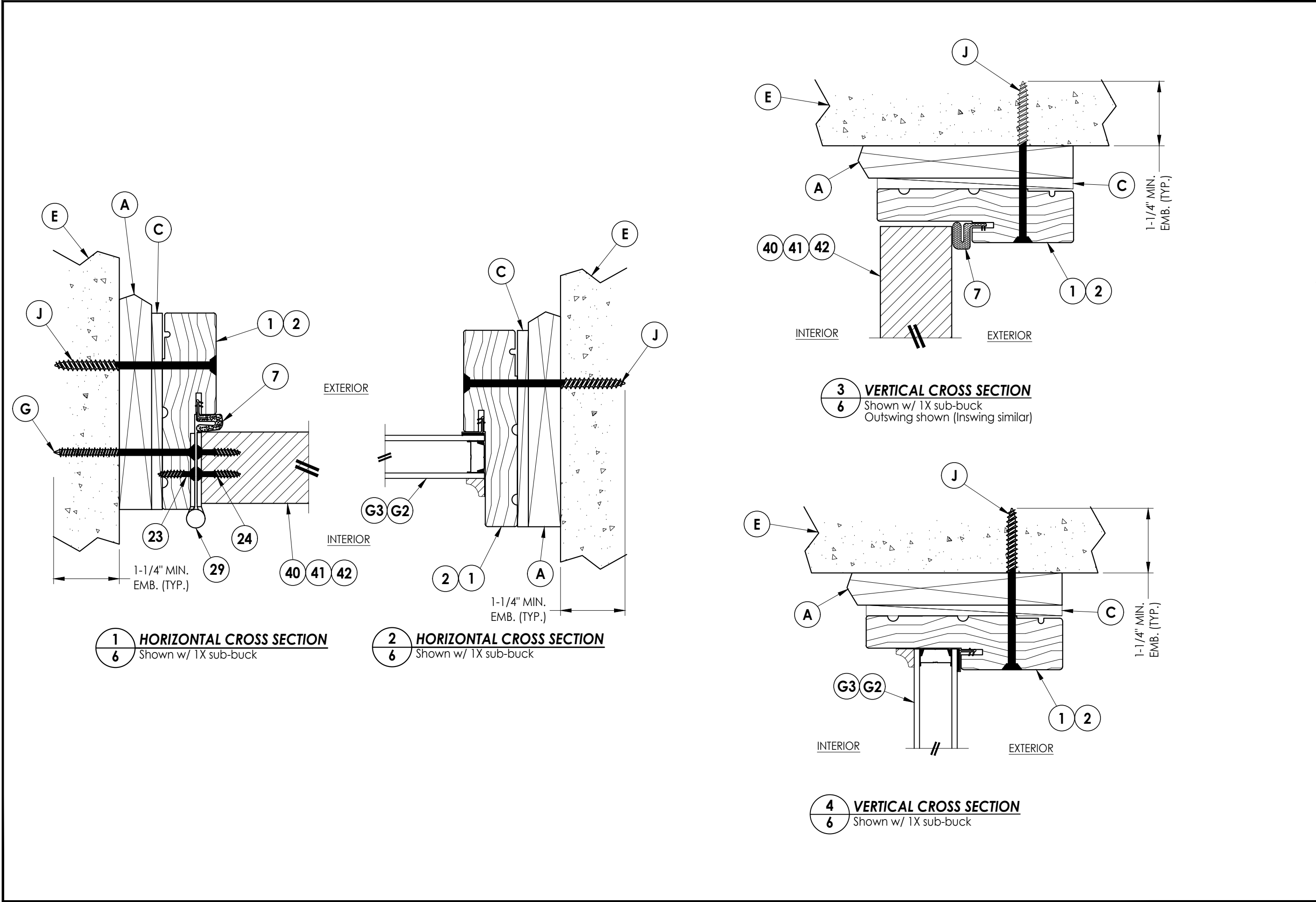
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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
CHK. BY:	LFS
DRAWING NO.:	FL-35436.18
SHEET	5 OF 12

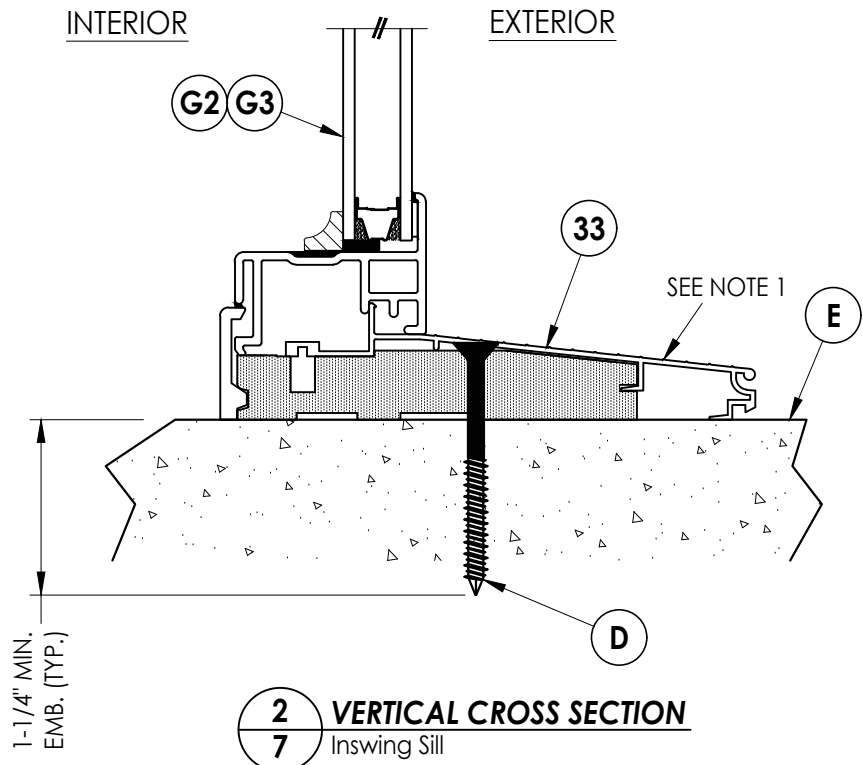
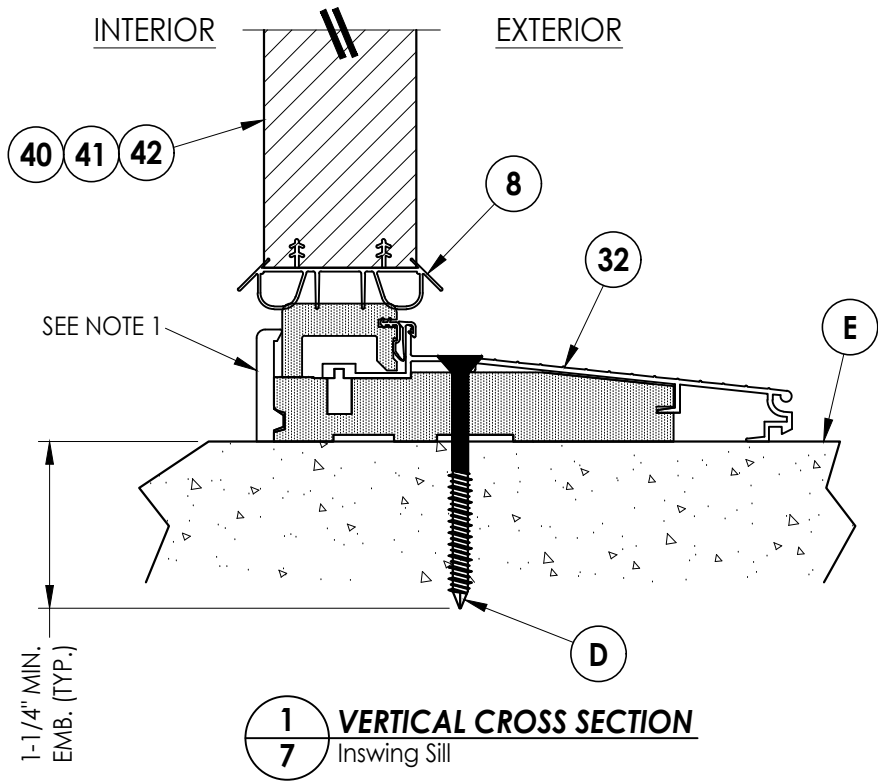
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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
DOCUMENTS PREPARED BY: Lyndon F. Schmidt P.E. No. 43409		R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
DATE: 12/10/20		SCALE: N.T.S.	
DWG. BY: RW		CHK. BY: LFS	
DRAWING NO.: FL-35436.18		SHEET 6 OF 12	
NO. DATE		REVISIONS	
1	7/24/23	UPDATE TO 8TH ED. (2023) FBC	LFS BY

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Note:
1. Sill Item #'s 32 & 33 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.



DATE: 12/10/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-35436.18
SHEET 7 OF 12

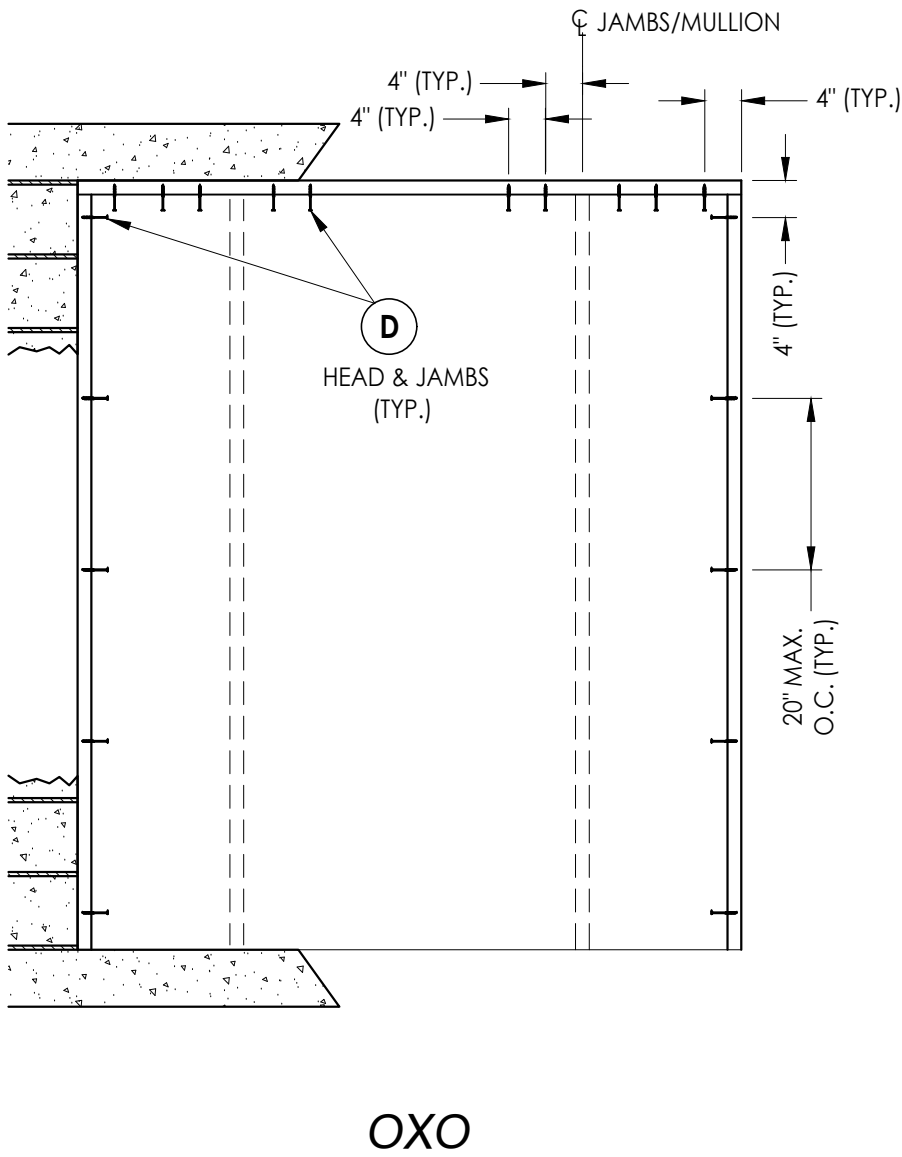
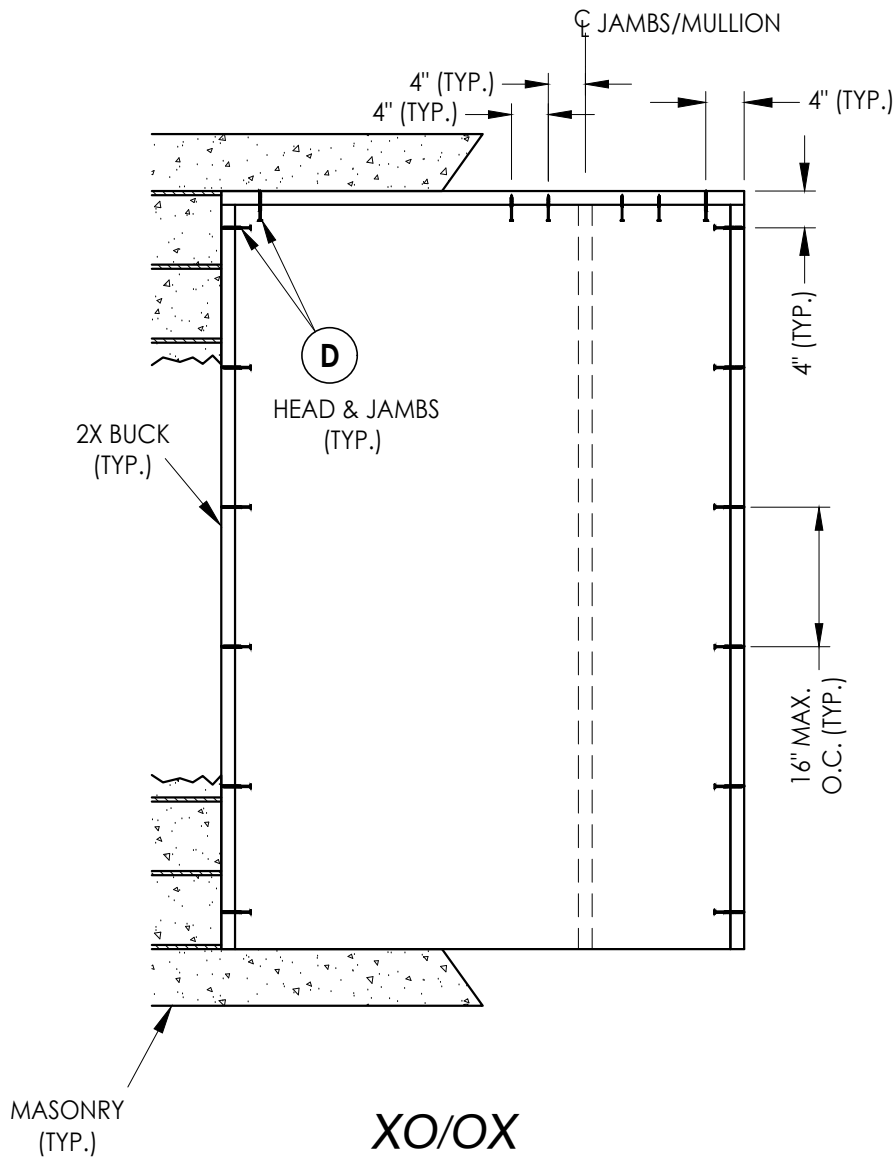
NO.	DATE	UPDATE TO	8TH ED. (2023)	FBC	LFS	BY
1	7/24/23	UPDATE TO	8TH ED. (2023)	FBC	LFS	BY

PRODUCT:	Therma-Tru FIBERGLASS DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)

Documents Prepared By:
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2X BUCK ANCHORING

DATE: 12/10/20	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: FL-35436.18	
SHEET	8 OF 12

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

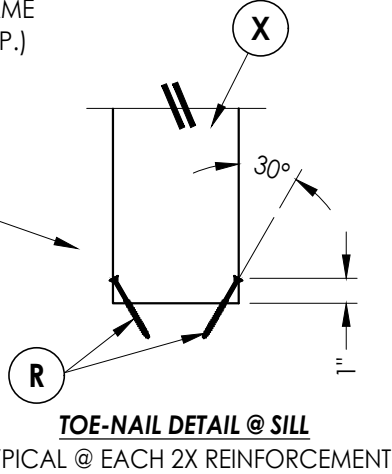
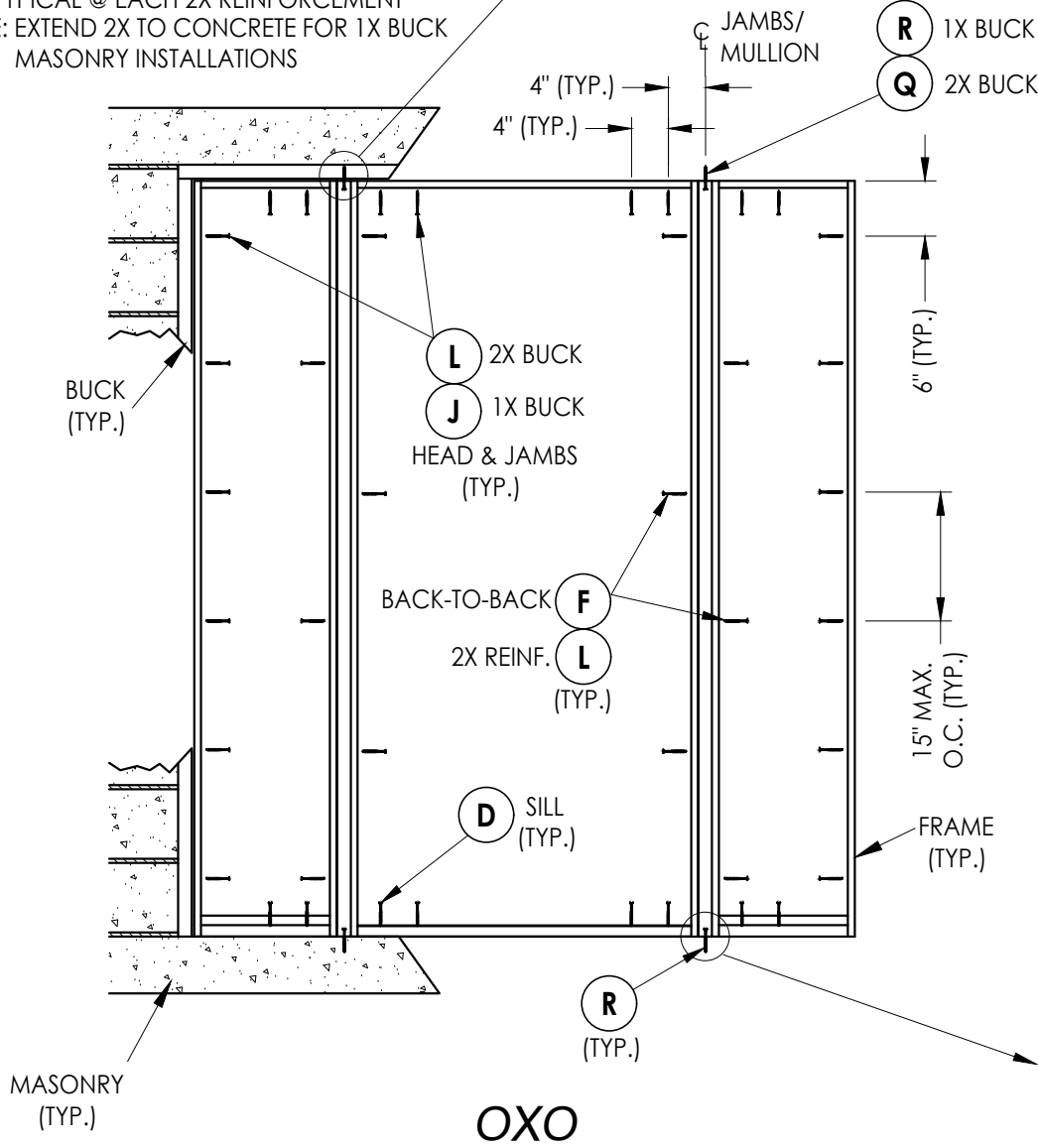
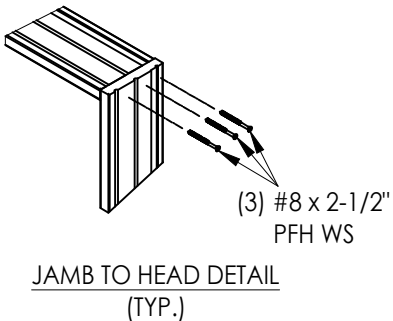
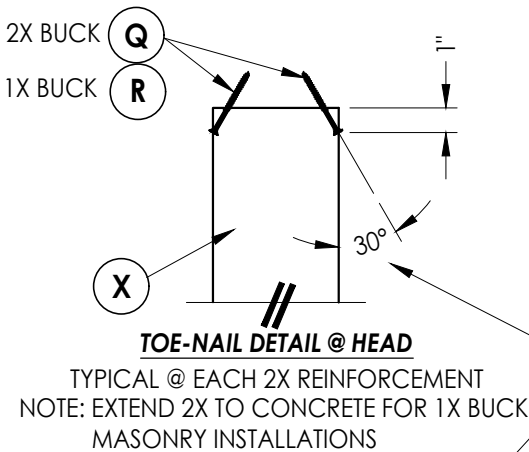
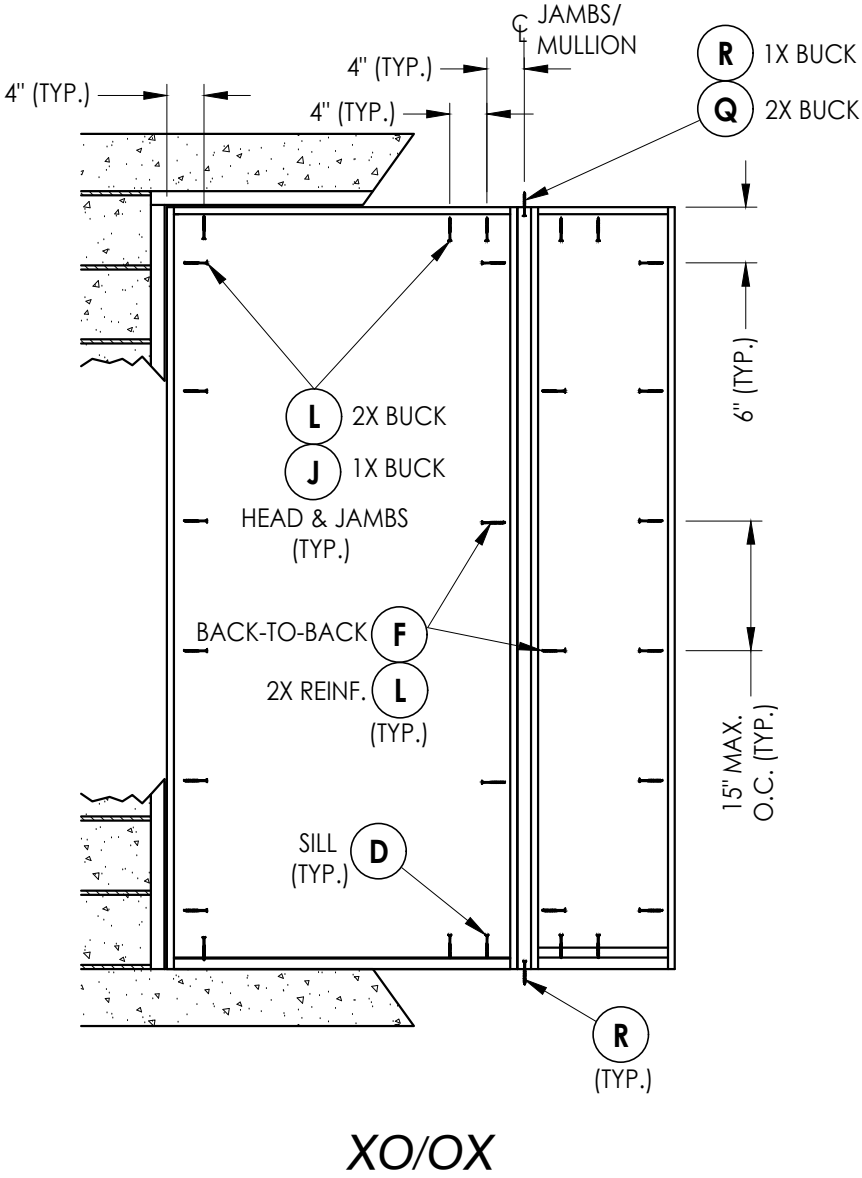
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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

RW

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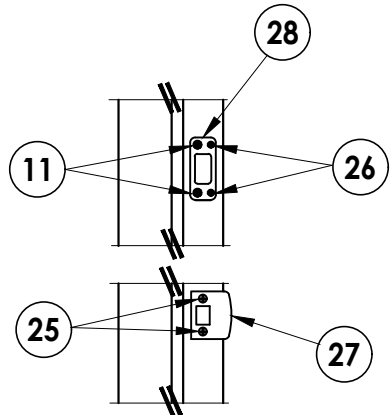
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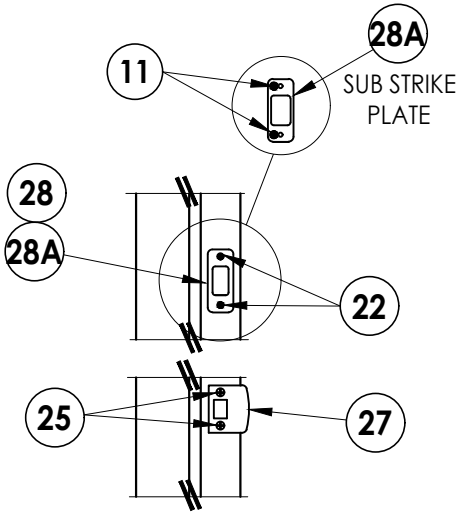
FRAME ANCHORING

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RWBUILDING 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: FRAME ANCHORING	
		REVISIONS	
		1	7/24/23 UPDATE TO 8TH ED. (2023) FBC
		NO.	DATE
		BY	LFS
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.18			
SHEET 9 OF 12			

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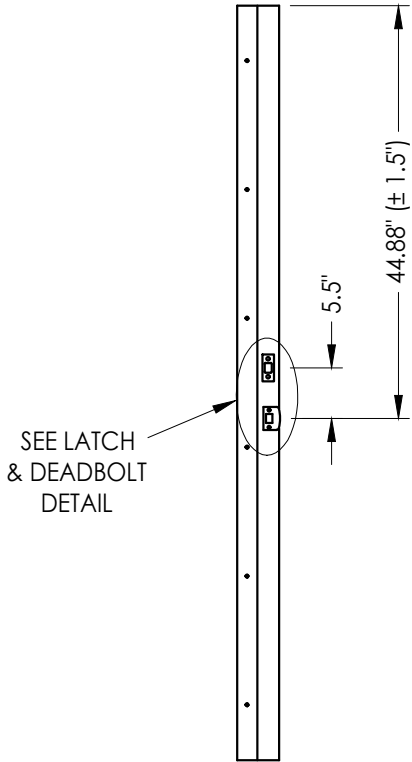


LATCH & DEADBOLT DETAIL
Kwikset

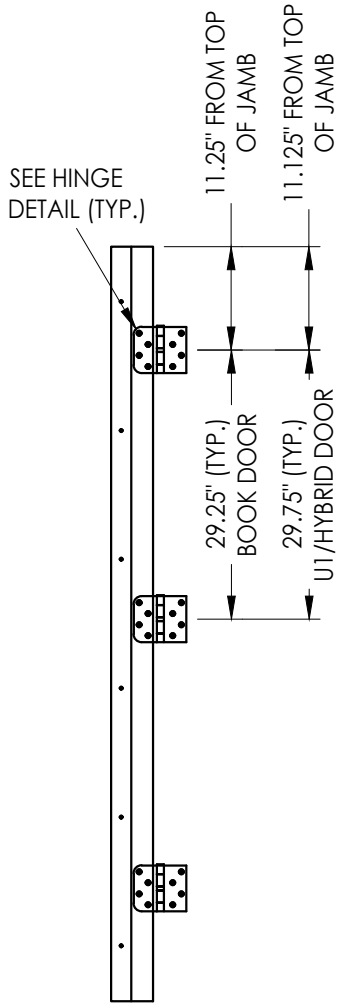


LATCH & DEADBOLT DETAIL
Schlage

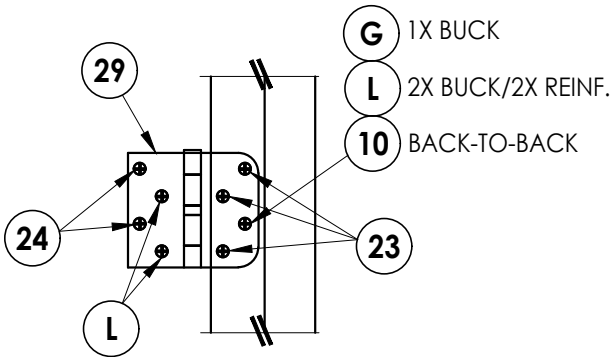
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch and Deadbolt



HINGE JAMB



HINGE DETAIL

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-35436.18

SHEET 10 OF 12

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

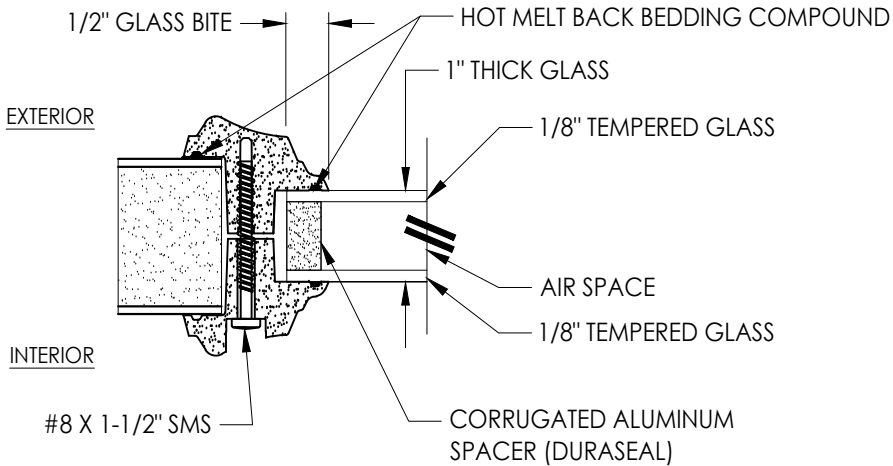
HARDWARE DETAILS

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

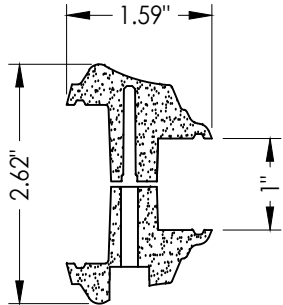
REVISIONS

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P.E. No. 43409

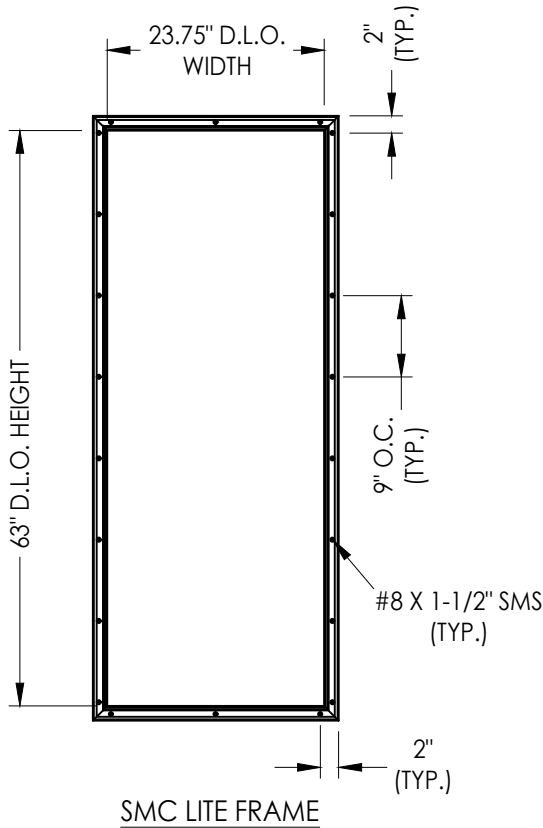
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G1 GLAZING DETAIL
SMC LIP LITE FRAME



SMC FULL LITE FRAME



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				PART OR ASSEMBLY:				GLAZING DETAILS											

