



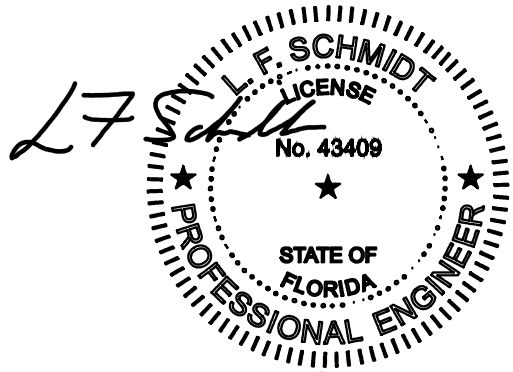
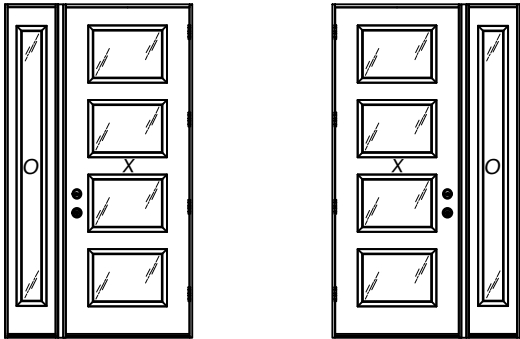
Fiber-Classic® & Smooth-Star®

**WOOD OR COMPOSITE EDGE
MULTI-LITE GLAZED FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
IN SWING/OUT SWING
"IMPACT"**

GENERAL NOTES

1. This product evaluation drawing has been developed in compliance with the 8th Edition (2023) Florida Building Code (FBC) 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 FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product meets the water infiltration requirements for the "HVHZ".
8. Outswing configurations using Coastal Sill (item #36) under active doors meet water infiltration requirements for "HVHZ". All other configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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6	Horizontal & Vertical Cross Sections (1X Buck)	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (Direct to Masonry)		

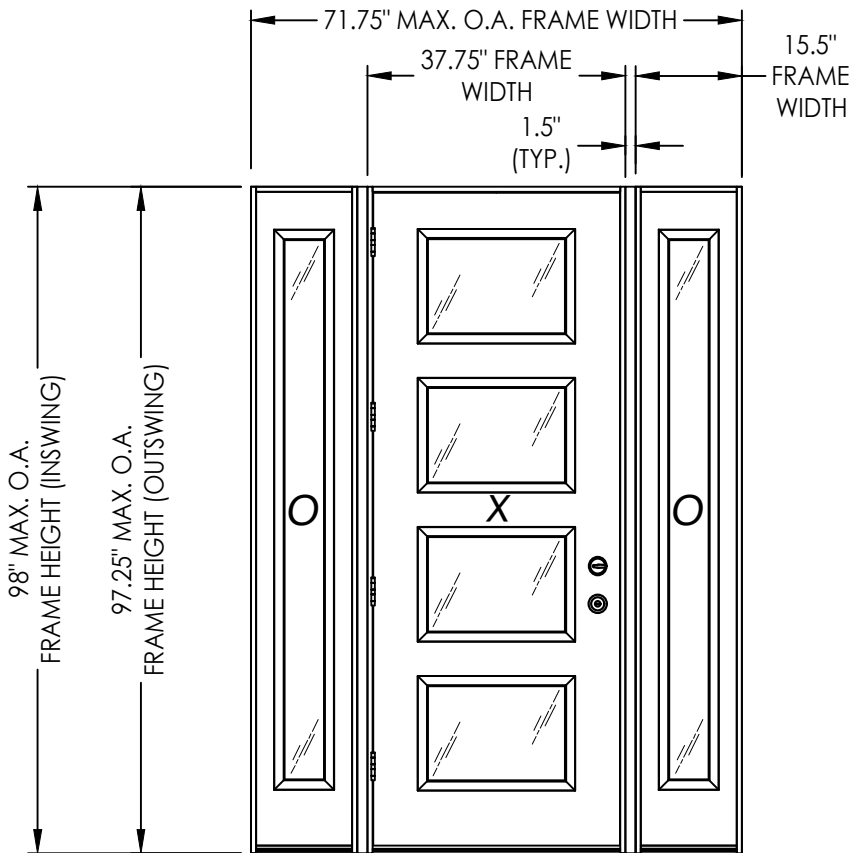


Digitally signed by Lyndon F Schmidt
Date: 2025.06.17 08:00:02 -04'00'

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.

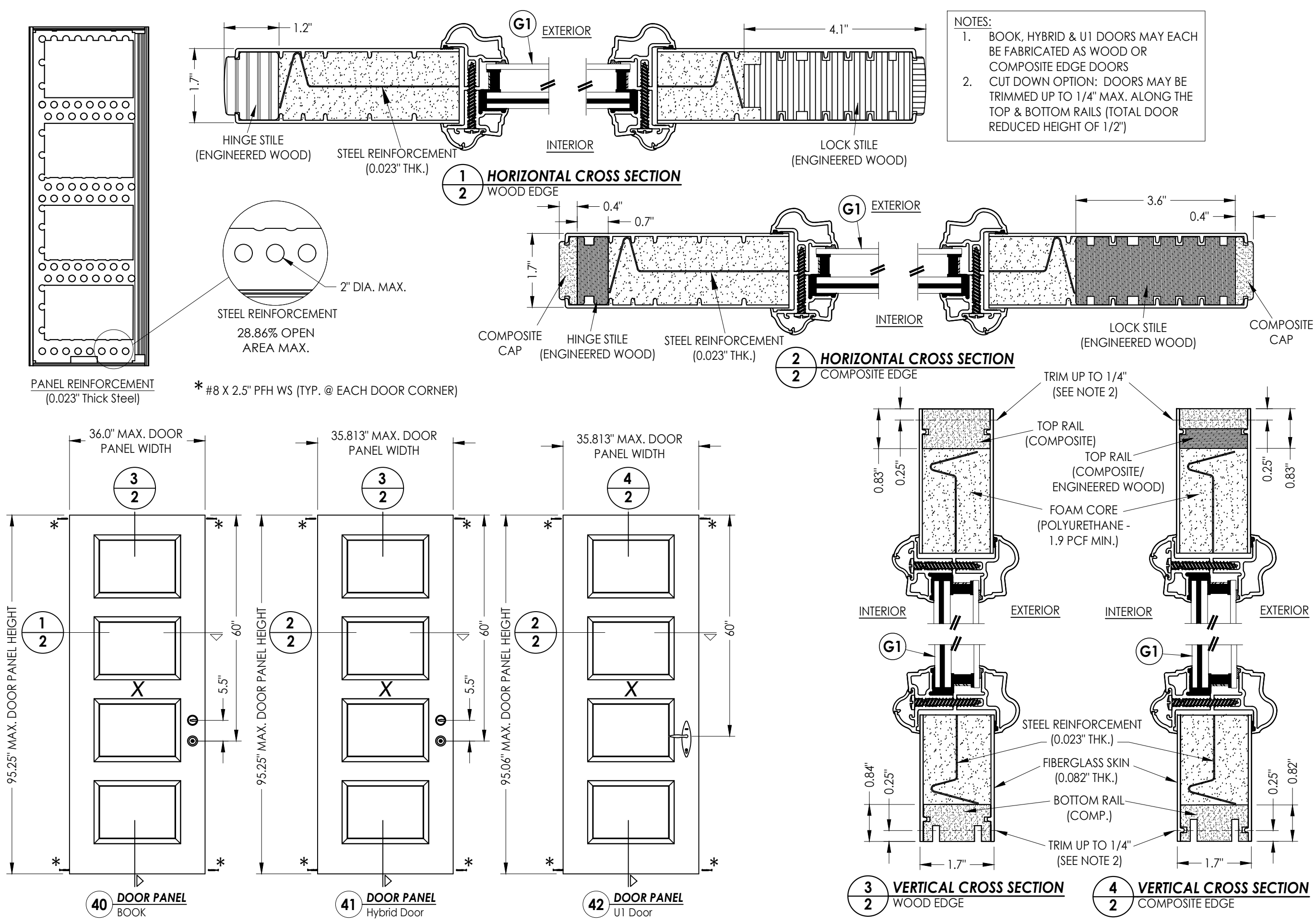
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO, OXO	Latch & Deadbolt	+50.0	-55.0	+55.0	-55.0
OX, XO, OXO	Multi-point	+55.0	-55.0	+55.0	-55.0

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- NOTES:
- BOOK, HYBRID & U1 DOORS MAY EACH BE FABRICATED AS WOOD OR COMPOSITE EDGE DOORS
 - CUT DOWN OPTION: DOORS MAY BE TRIMMED UP TO 1/4" MAX. ALONG THE TOP & BOTTOM RAILS (TOTAL DOOR REDUCED HEIGHT OF 1/2")

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P.E. No. 43409

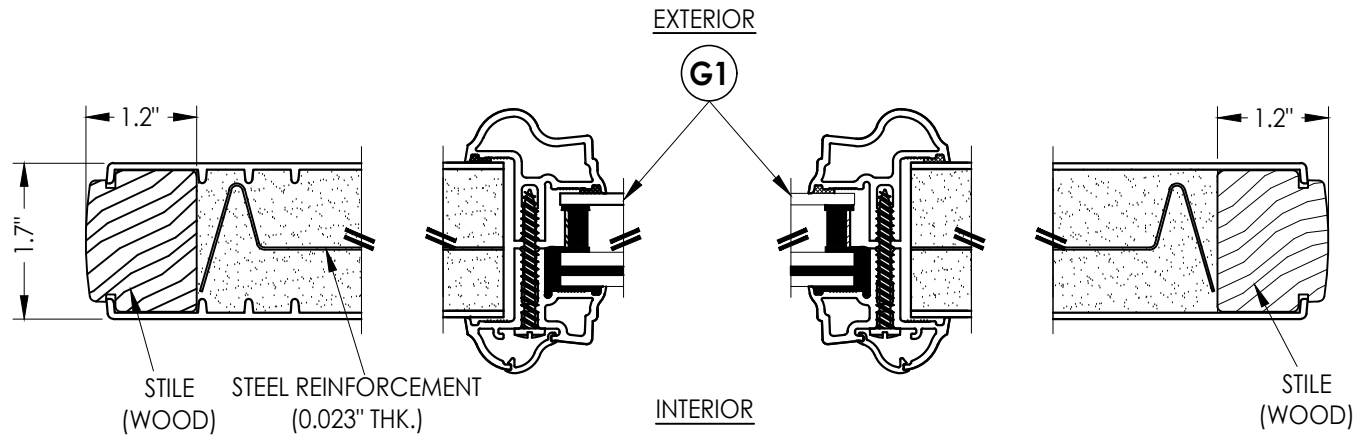
PRODUCT: THERMA-TRU FIBERGLASS DOOR

PART OR ASSEMBLY: DOOR PANEL DETAILS

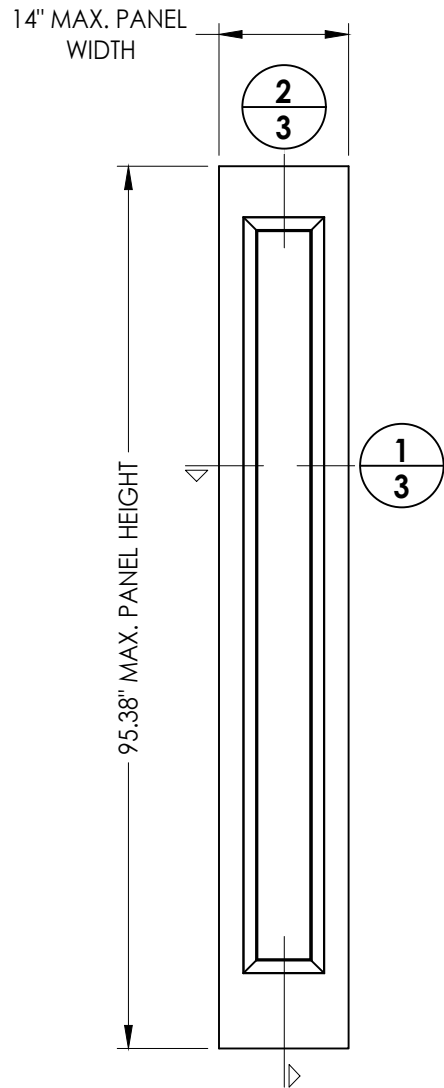
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3	6/16/25	REVISE DIRECT TO MASONRY INST. LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

DATE: 5/19/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-30482.8
SHEET 2 OF 13

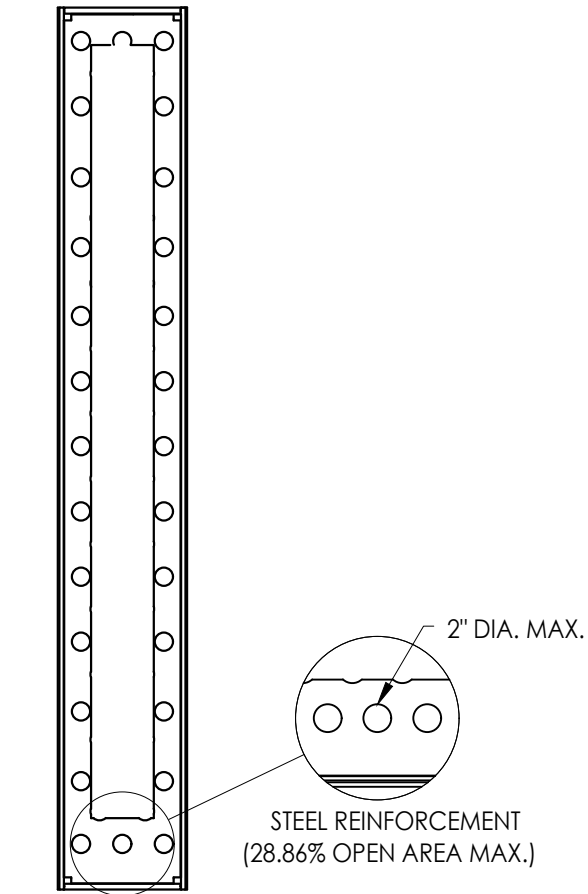
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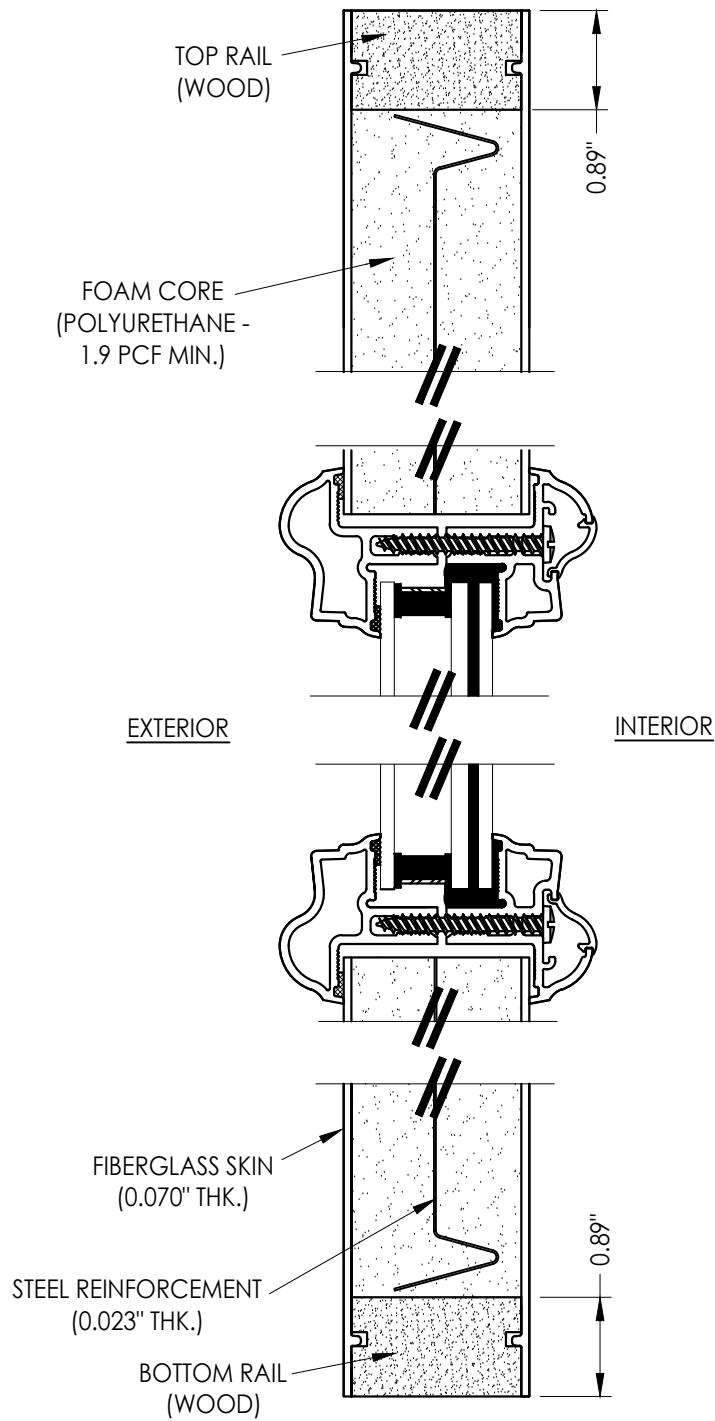
1
3 HORIZONTAL CROSS SECTION



50 SIDELITE PANEL



PANEL REINFORCEMENT
(0.023" Thick Steel)



2
3 VERTICAL CROSS SECTION

REVISIONS			
NO.	DATE	BY	
3	6/16/25	LFS	REVISE DIRECT TO MASONRY INST.
2	7/27/23	LFS	UPDATE TO 8TH ED. (2023) FBC
1	7/23/20	LFS	UPDATE TO 7TH ED (2020) FBC

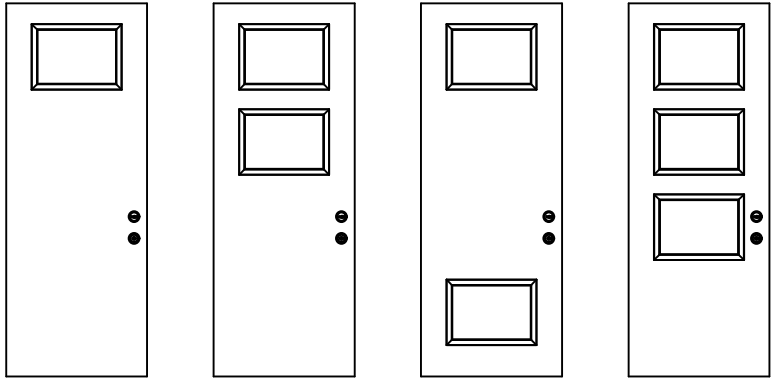
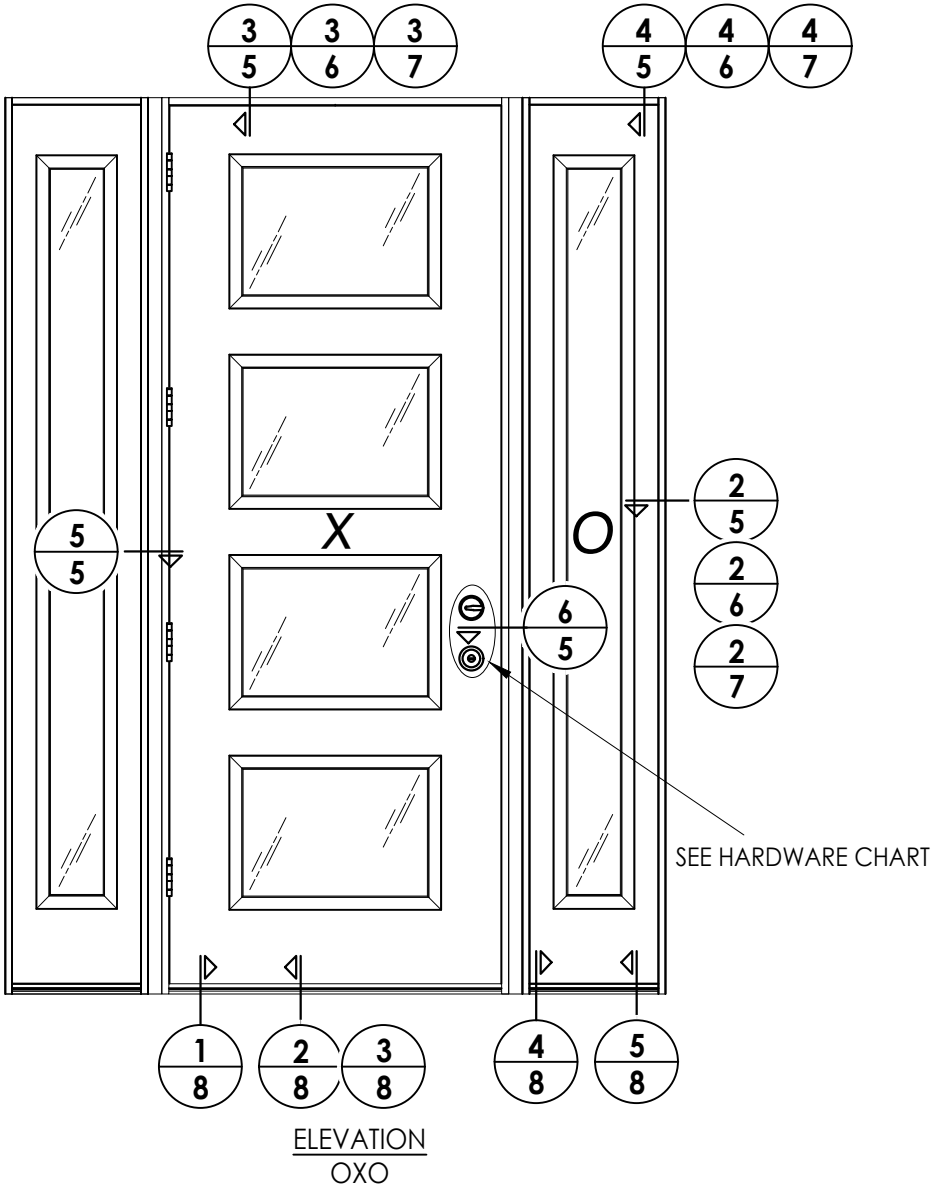
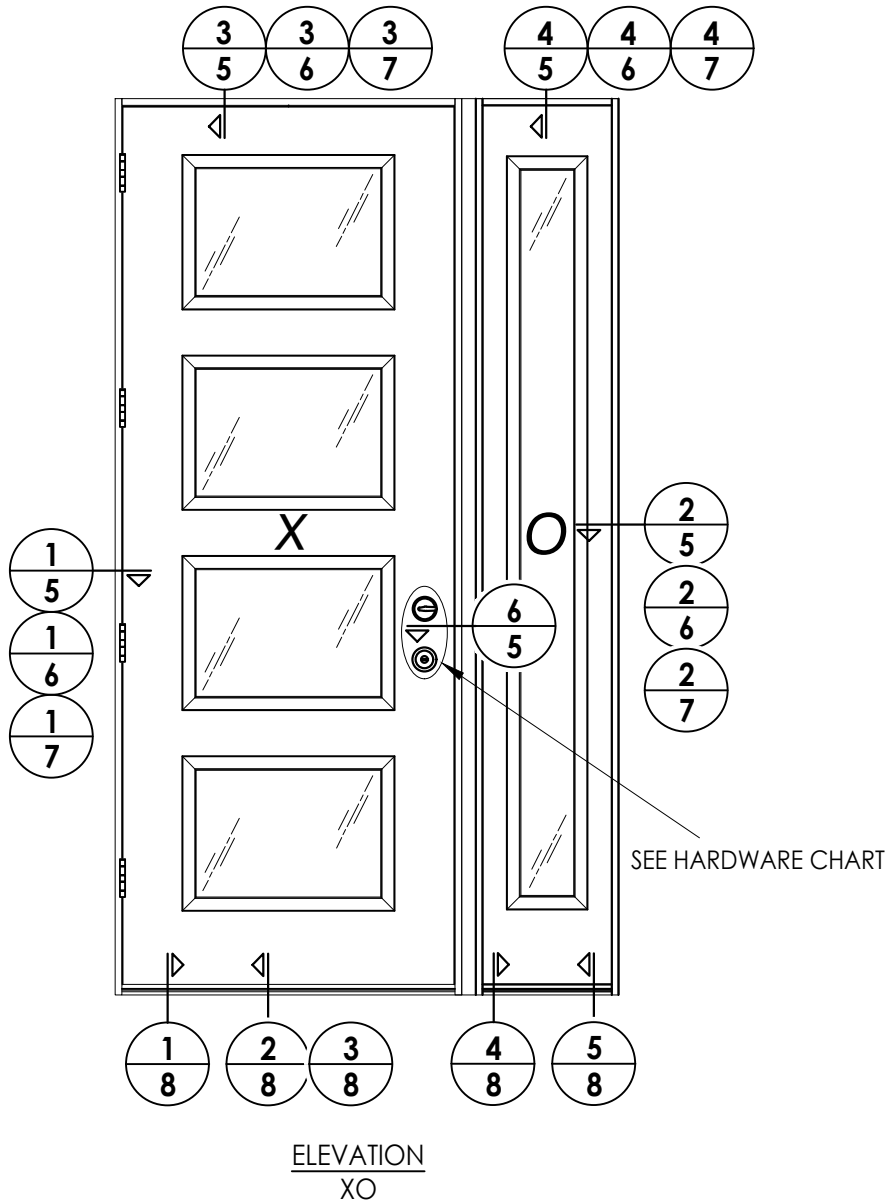
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SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-30482.8
SHEET	3 OF 13

PRODUCT:	
THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:	
SIDELITE PANEL DETAILS	

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Fiber-Classic/Smooth-Star Door Panel Options
Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

Hardware Table		
Manufacturer	Model	
Schlage	Knob:	F51
	Deadbolt:	B60
Kwikset	Knob:	Signature Series
	Deadbolt:	Signature Series (980)
Hoppe (Therma-Tru)	Multi-Point : MPDGART (3 pt. Manual Tongue)	

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

REVISIONS

NO.	DATE	BY
3	6/16/25	LFS
2	7/27/23	LFS
1	7/23/20	LFS

DATE: 5/19/20

SCALE: N.T.S.

DWG. BY: RW

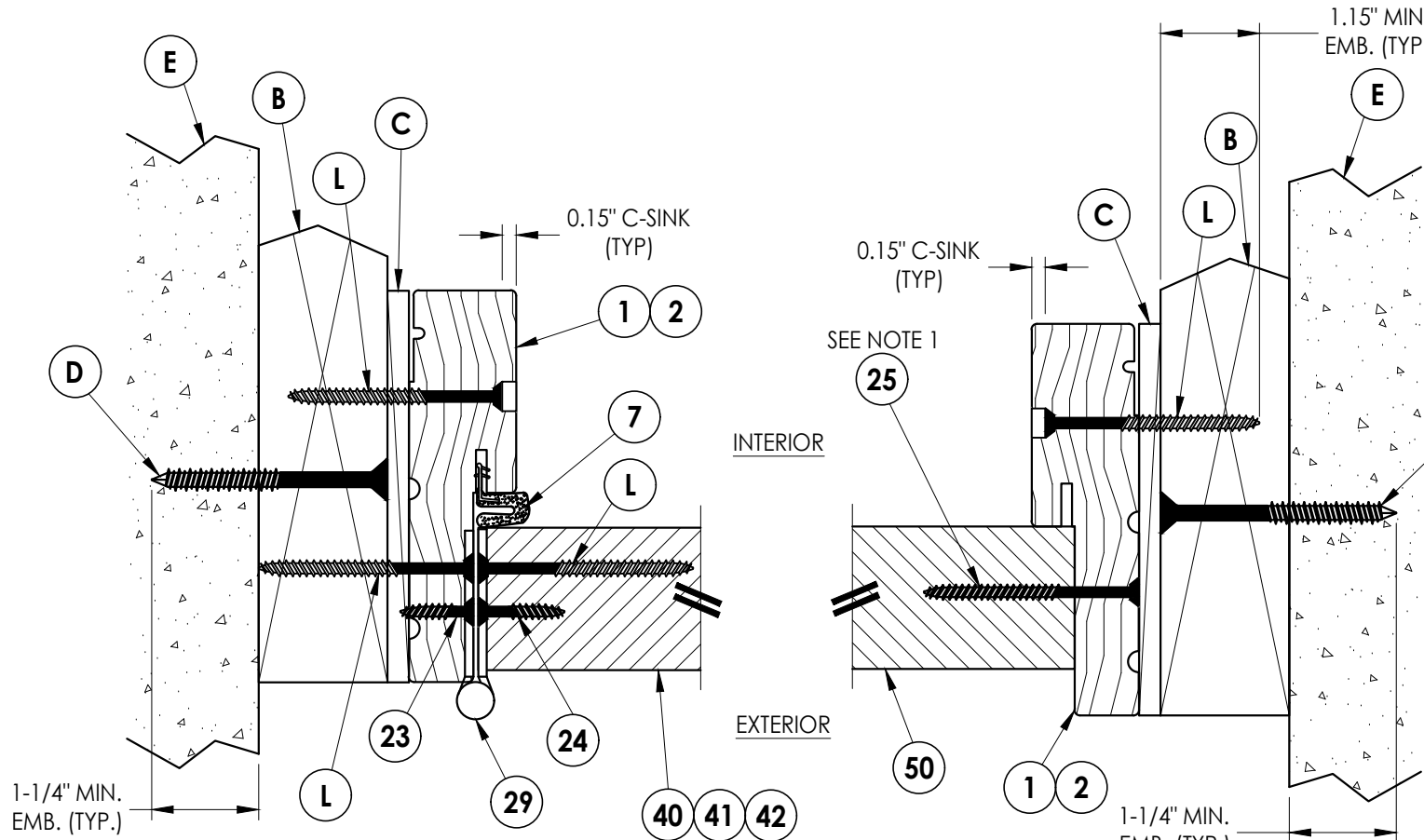
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DRAWING NO.: FL-30482.8

SHEET 4 OF 13

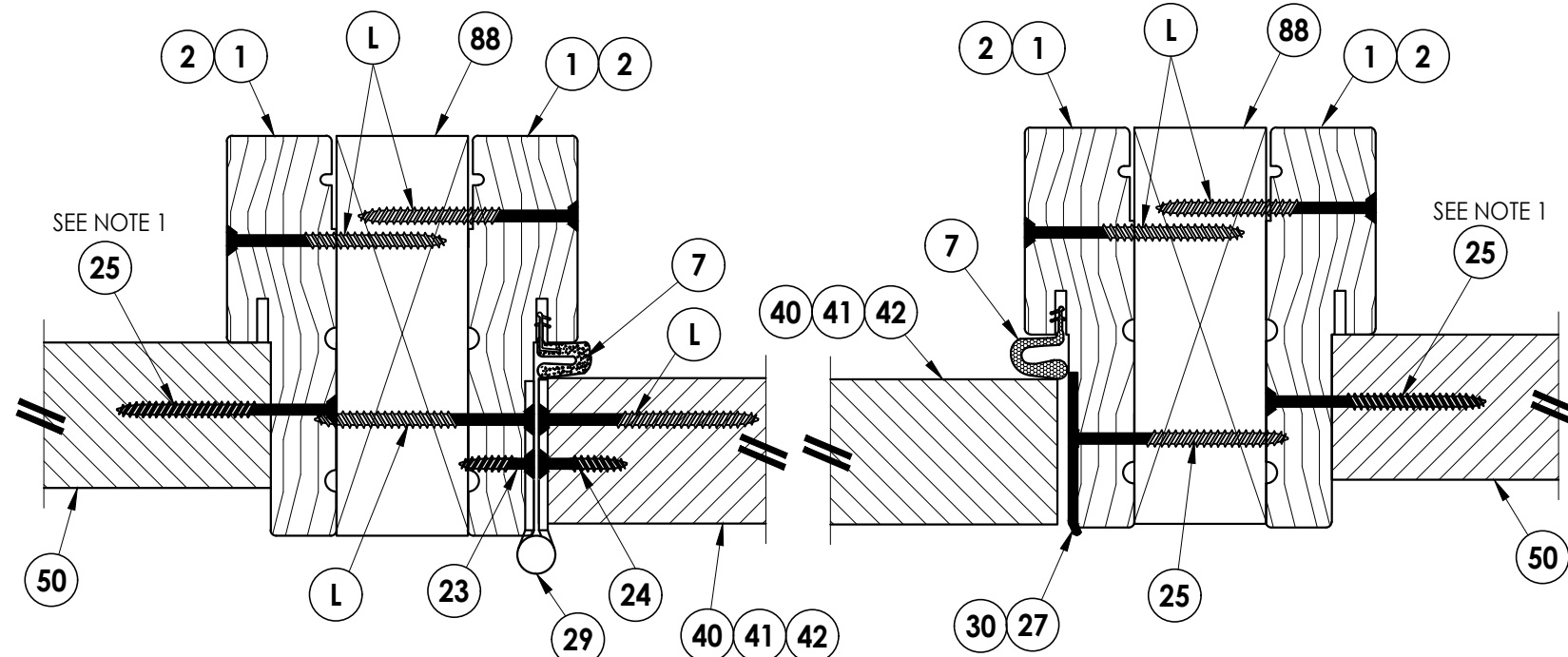
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1 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

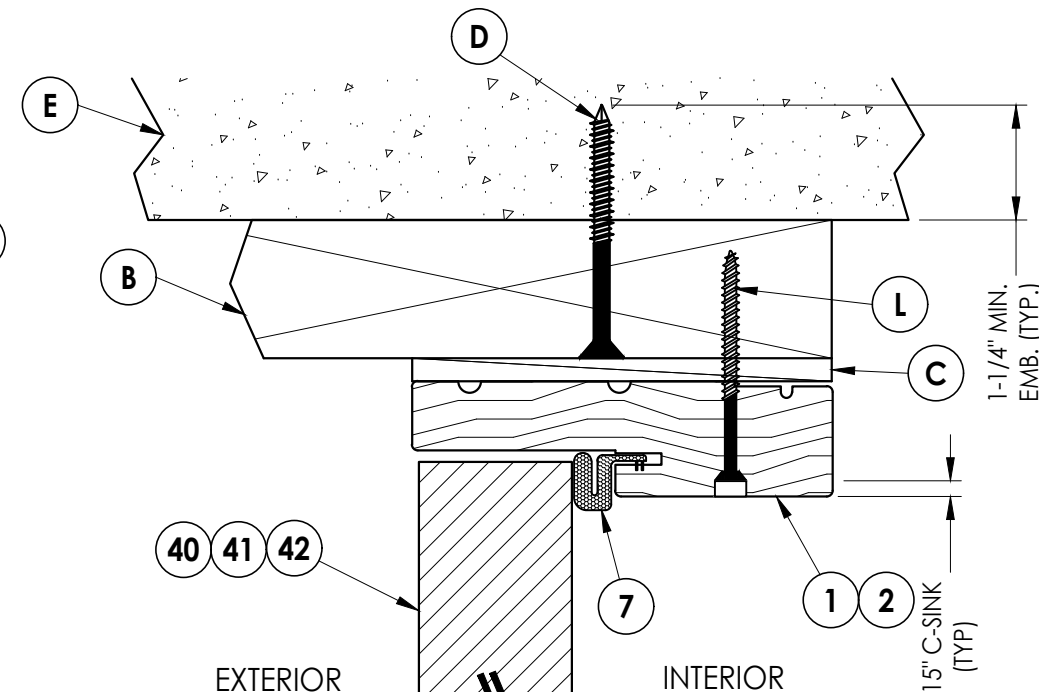
2 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



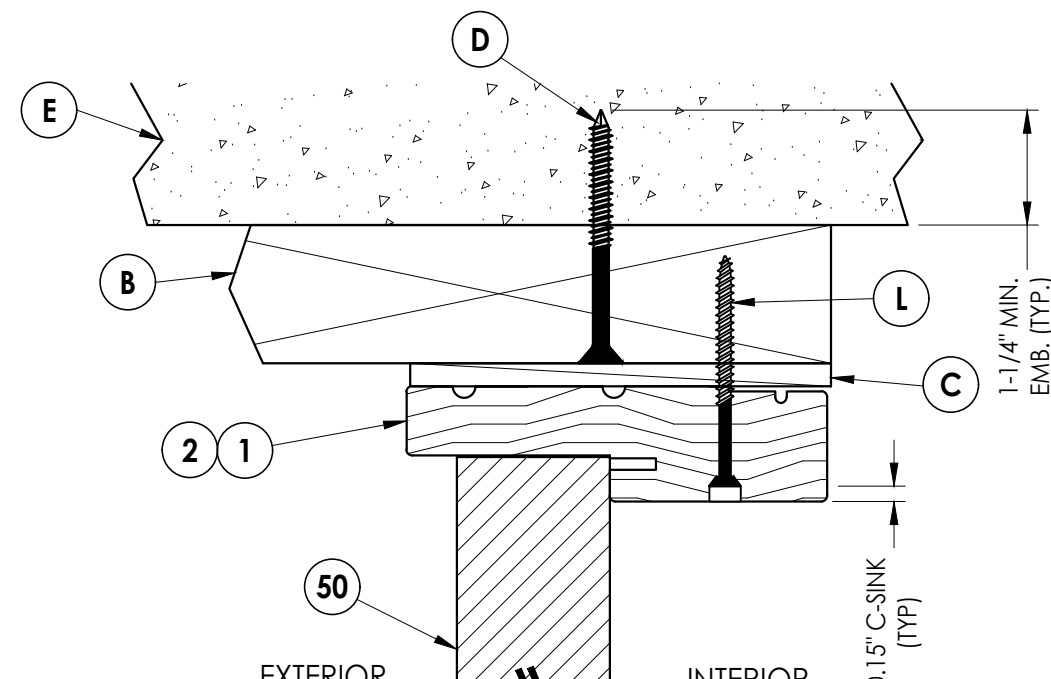
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

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

Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).



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



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

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS
3	6/16/25	REVISE DIRECT TO MASONRY INST.
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC
1	7/23/20	UPDATE TO 7TH ED (2020) FBC

DATE: 5/19/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

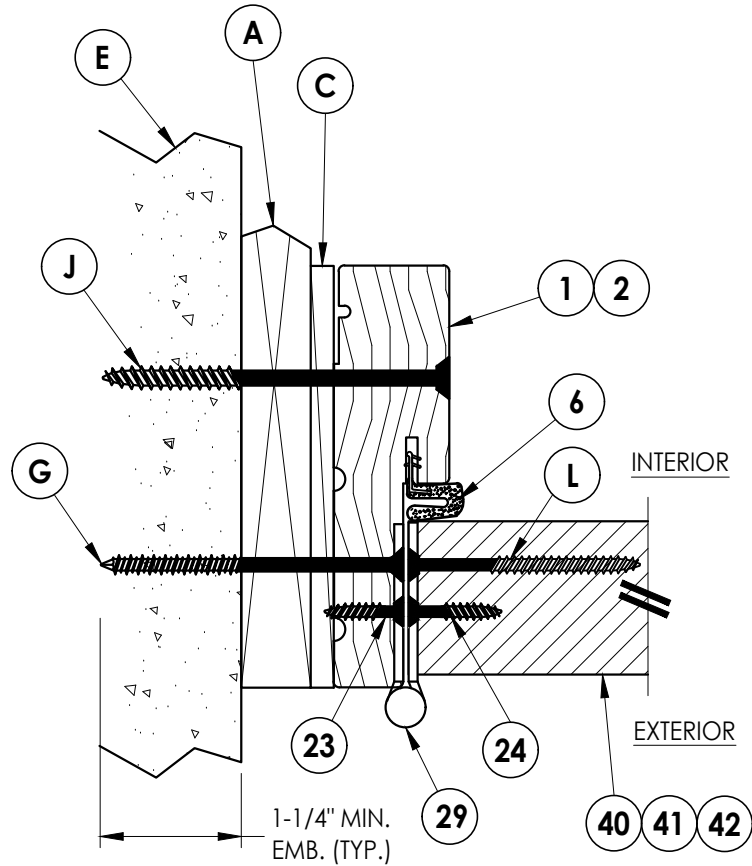
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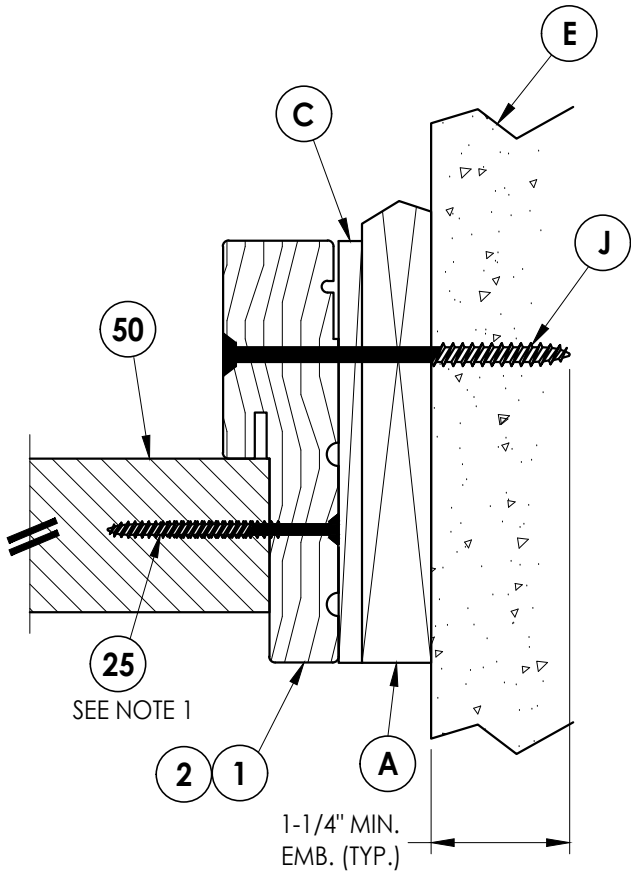
SHEET 5 OF 13

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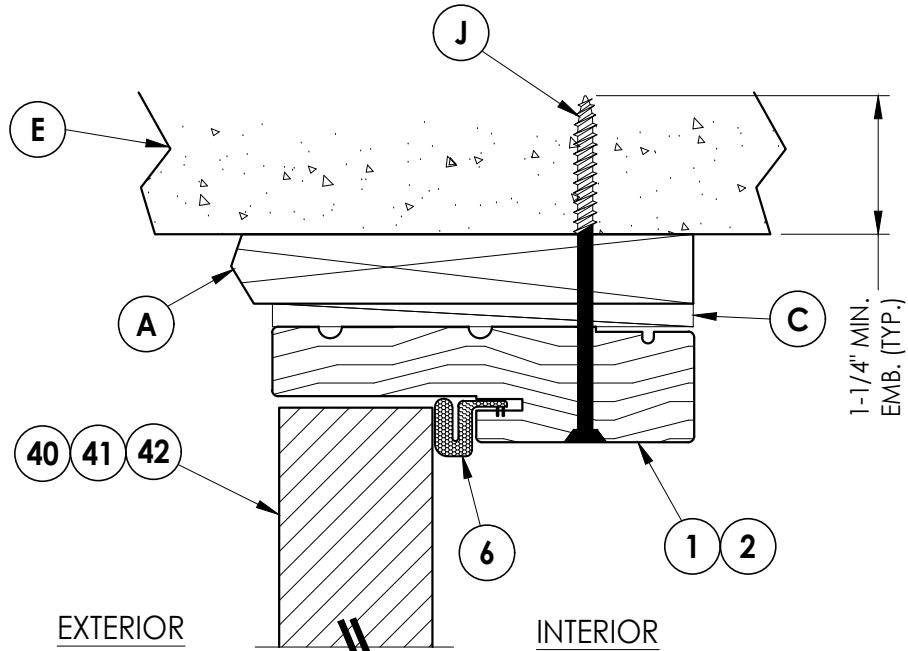
Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws
equally spaced between (6 screws total per side jamb).



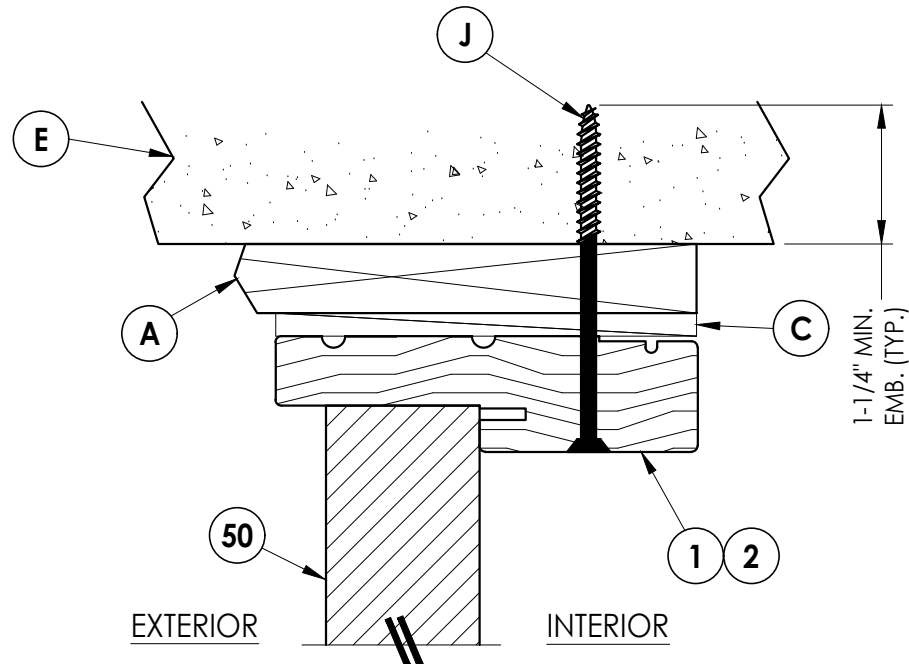
1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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



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

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PRODUCT: **THERMA-TRU
FIBERGLASS DOOR**

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

NO.	DATE	REVISIONS		
		BY	LFS	FBC
3	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS	
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS

DATE: 5/19/20

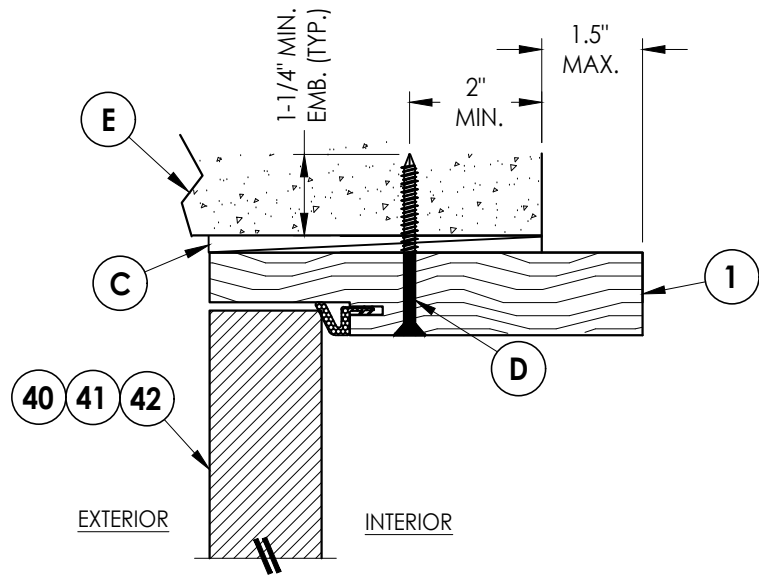
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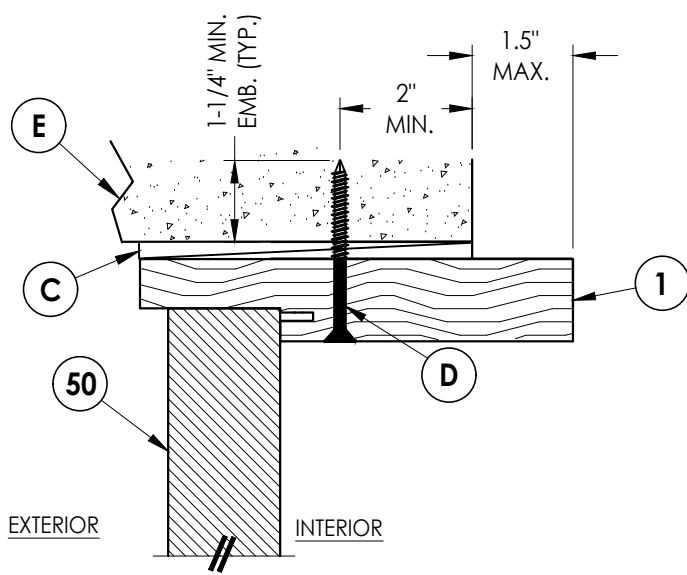
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DRAWING NO.:
FL-30482.8

SHEET 6 OF 13

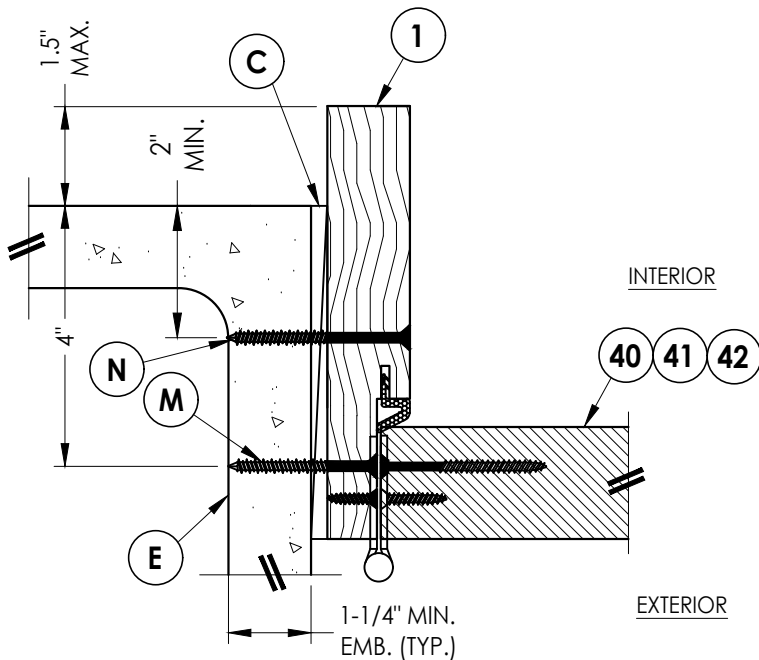


3
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

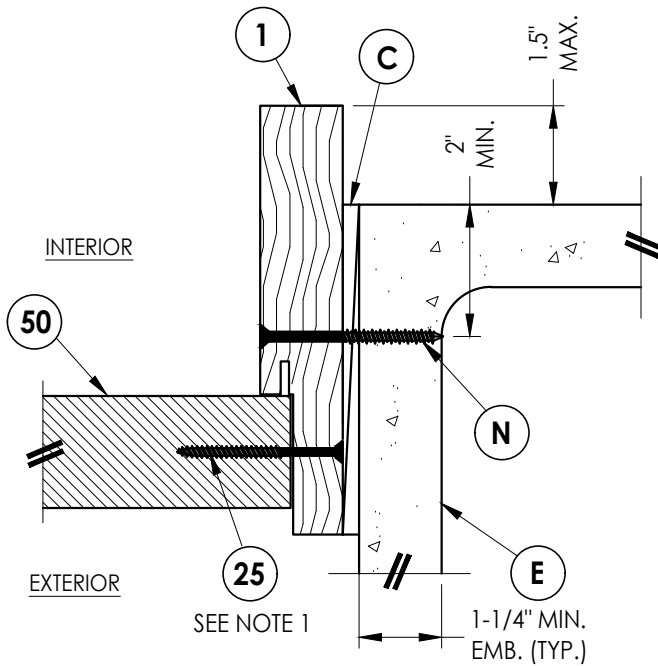


4
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Note:
1. Sidelite assembly screws located 6" from each end plus 4 more
equally spaced between (6 screws total per side jamb).



1
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



2
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
3	6/16/25	REVISE DIRECT TO MASONRY INST. LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 8/02/16

SCALE: N.T.S.

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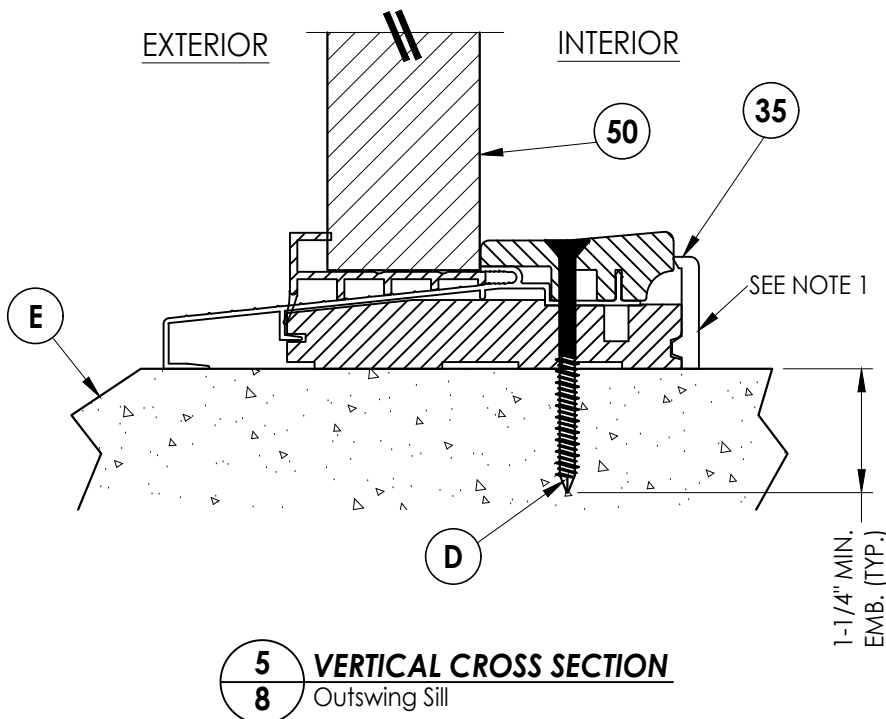
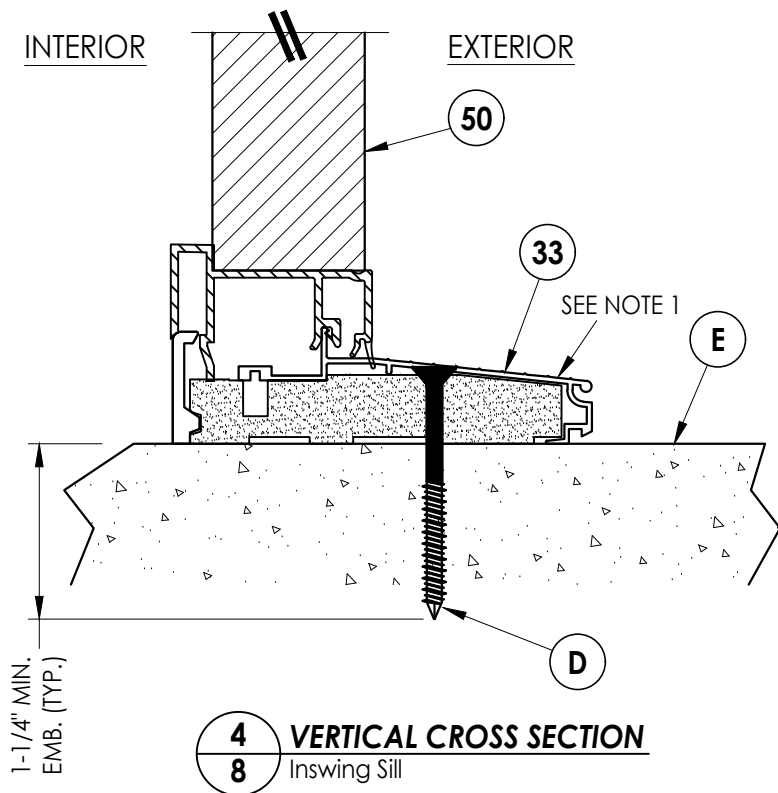
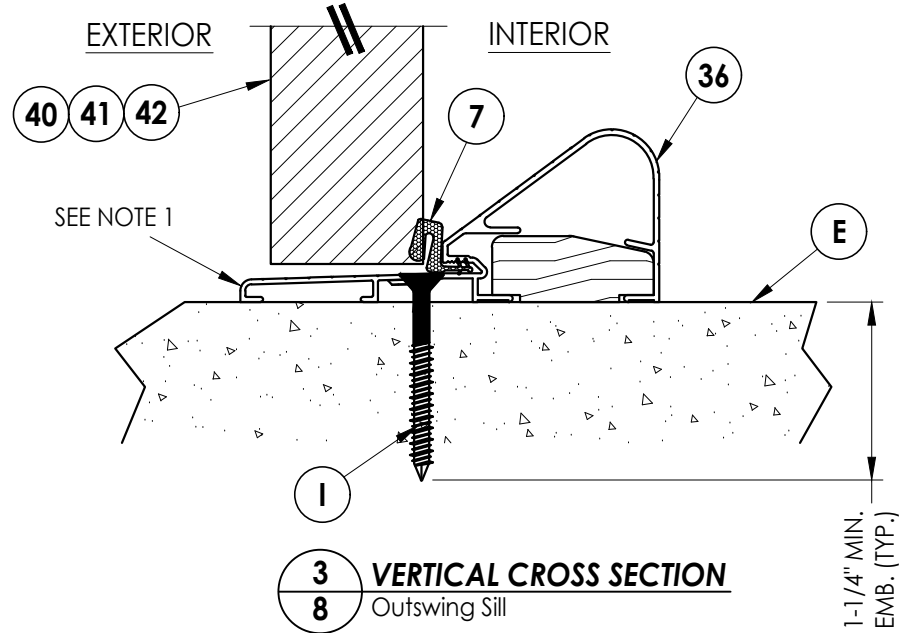
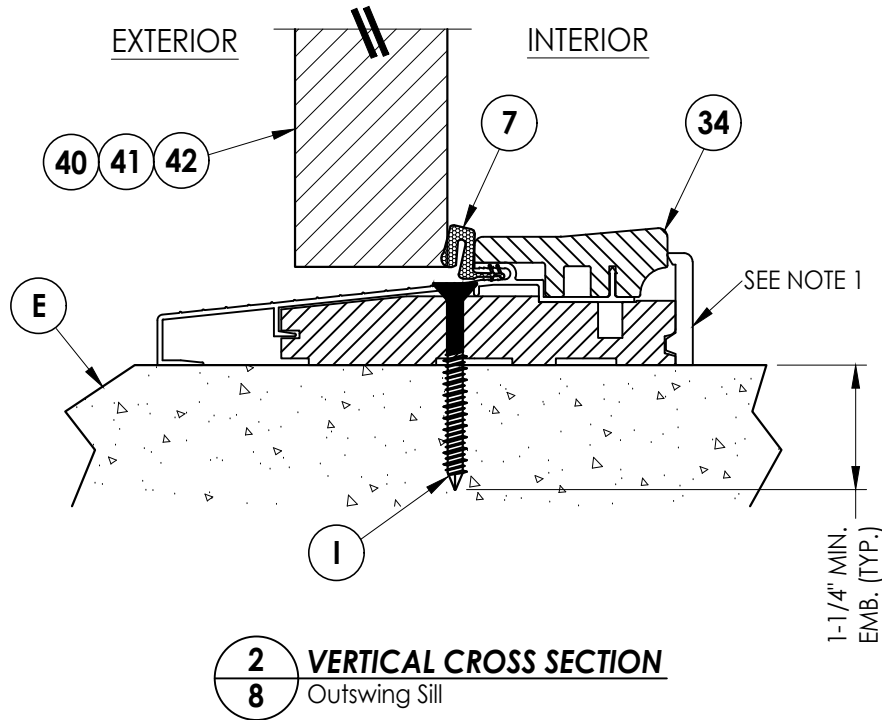
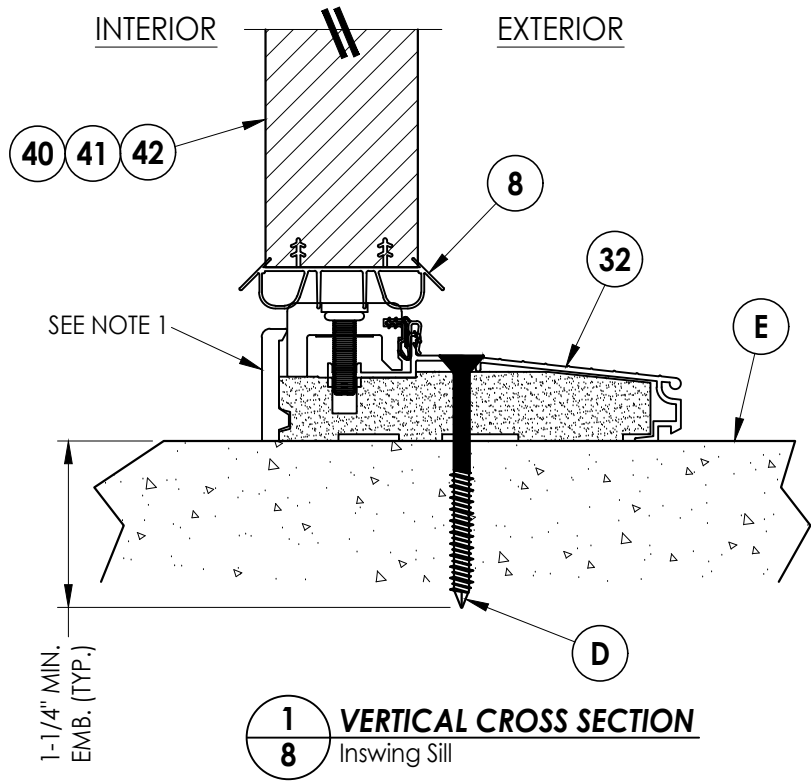
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FL-30482.8

SHEET 7 OF 13

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Note:
1. Sill Item #'s 32, 33, 34 & 35 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 36 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.



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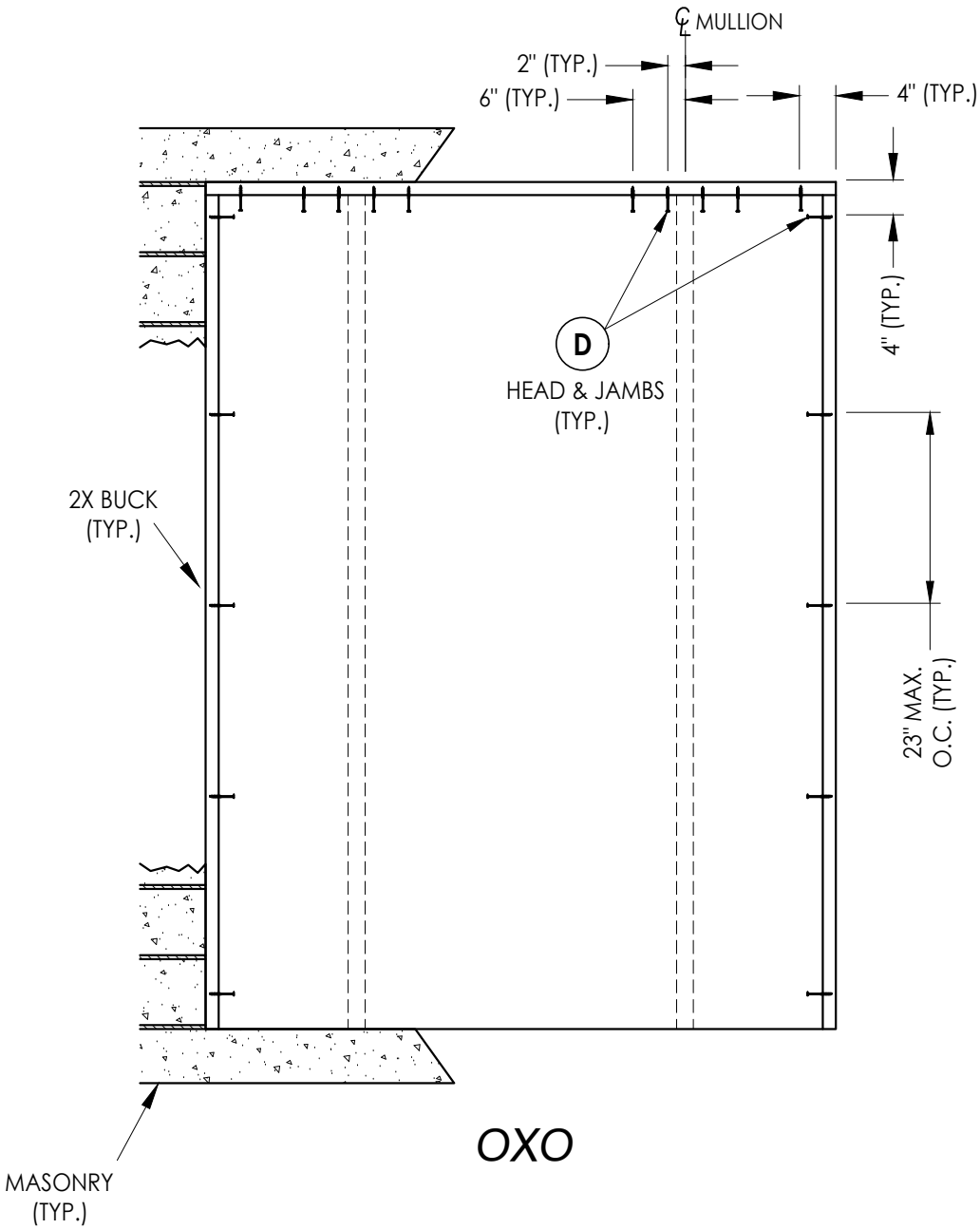
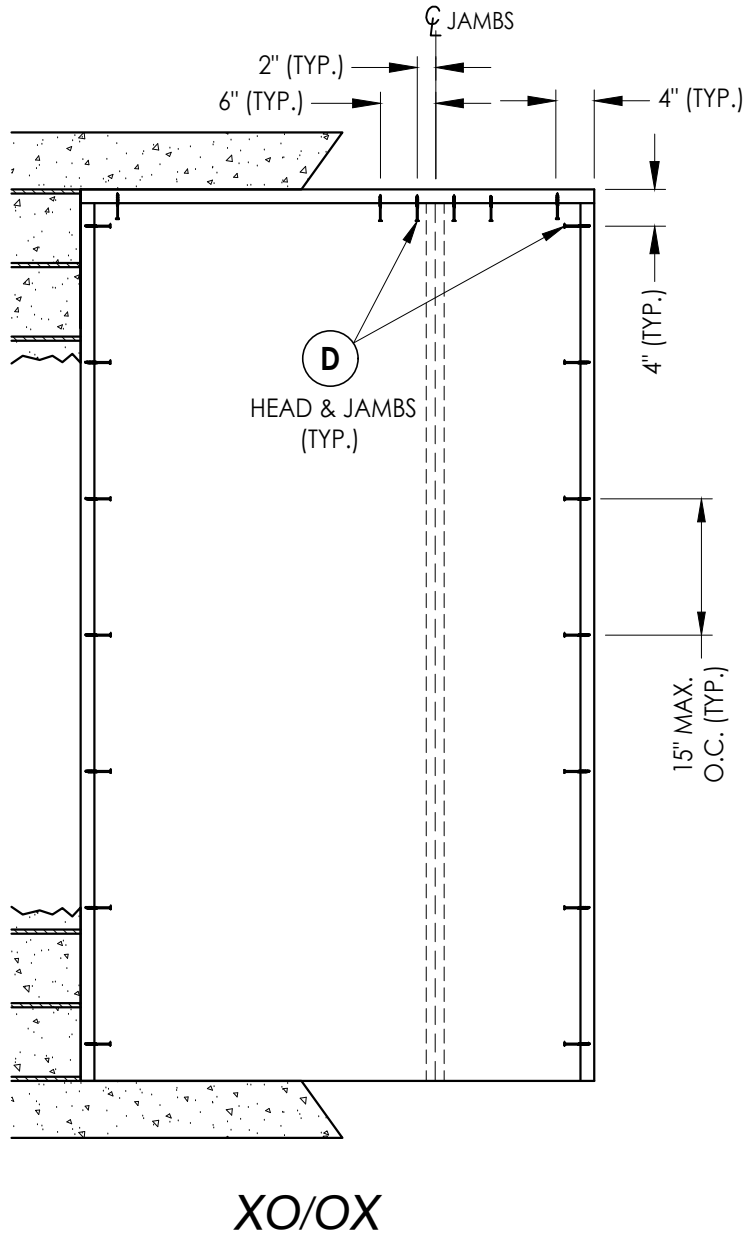
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
3	6/16/25	REVISE DIRECT TO MASONRY INST. LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

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SHEET 8 OF 13

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2X BUCK ANCHORING

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DRAWING NO.: FL-30482.8	
SHEET 9 OF 13	
REVISONS	
3	6/16/25 REVISE DIRECT TO MASONRY INST. LFS
2	7/27/23 UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20 UPDATE TO 7TH ED (2020) FBC LFS
NO.	DATE BY

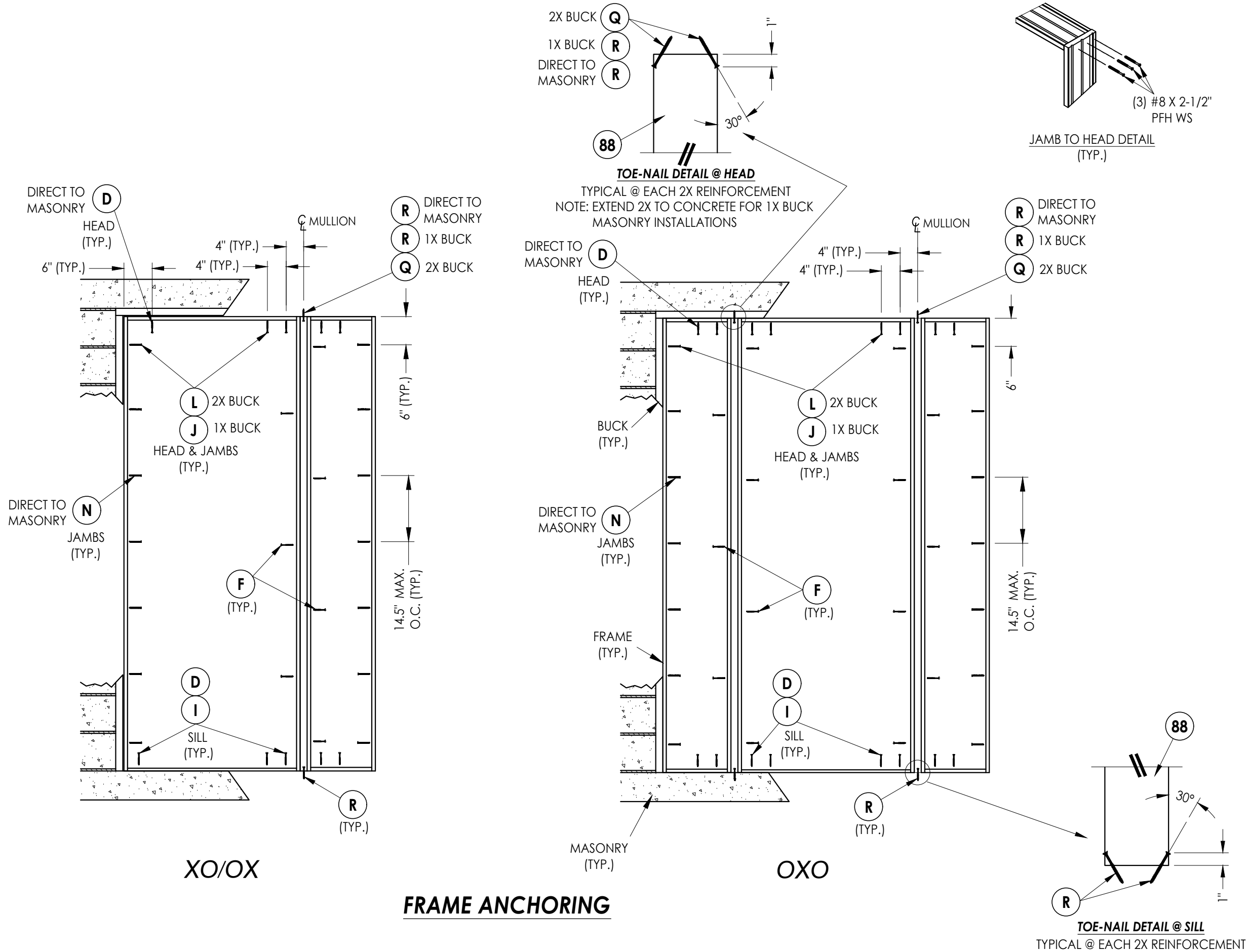
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
	PART OR ASSEMBLY: BUCK ANCHORING

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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PART OR ASSEMBLY:
FRAME ANCHORING

REVISIONS			
NO.	DATE	BY	
3	6/16/25	LFS	REVISE DIRECT TO MASONRY INST.
2	7/27/23	FBC	UPDATE TO 8TH ED. (2023)
1	7/23/20	FBC	UPDATE TO 7TH ED (2020)

DATE: 5/19/20

SCALE: N.T.S.

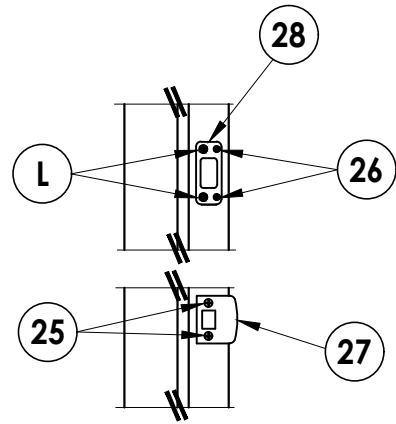
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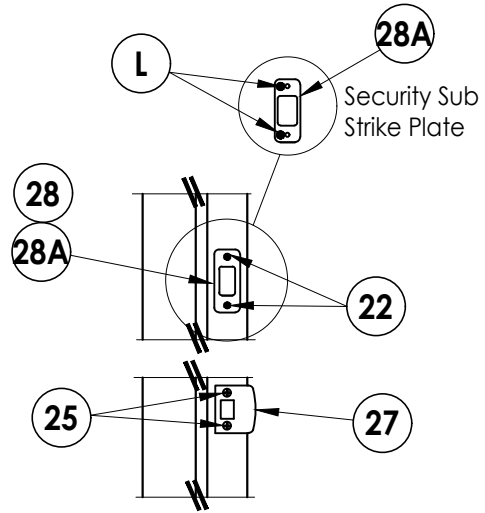
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FL-30482.8

SHEET 10 OF 13

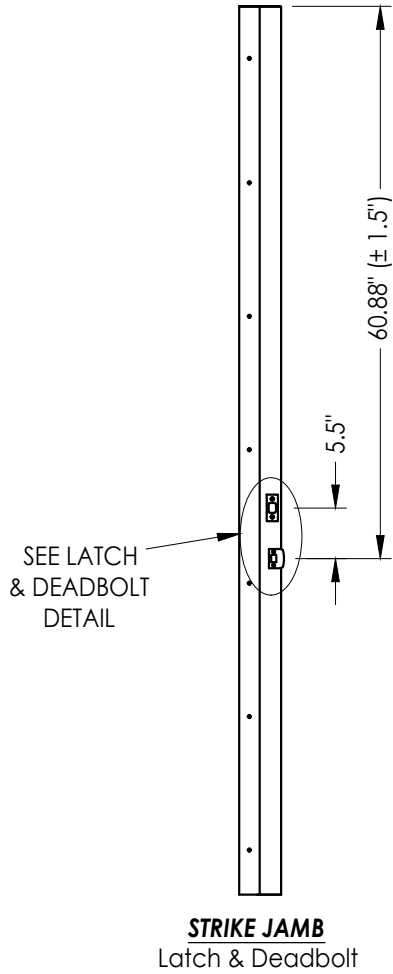


LATCH & DEADBOLT DETAIL

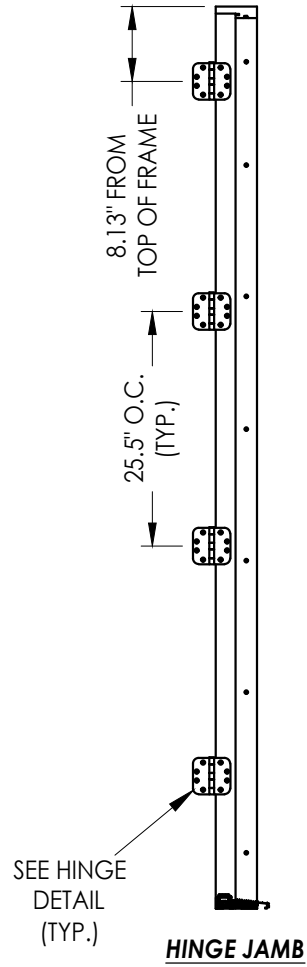


LATCH & DEADBOLT DETAIL
Schlage

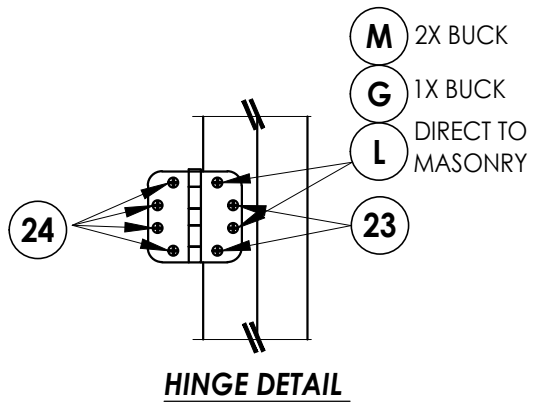
LATCH & DEADBOLT STRIKE DETAILS



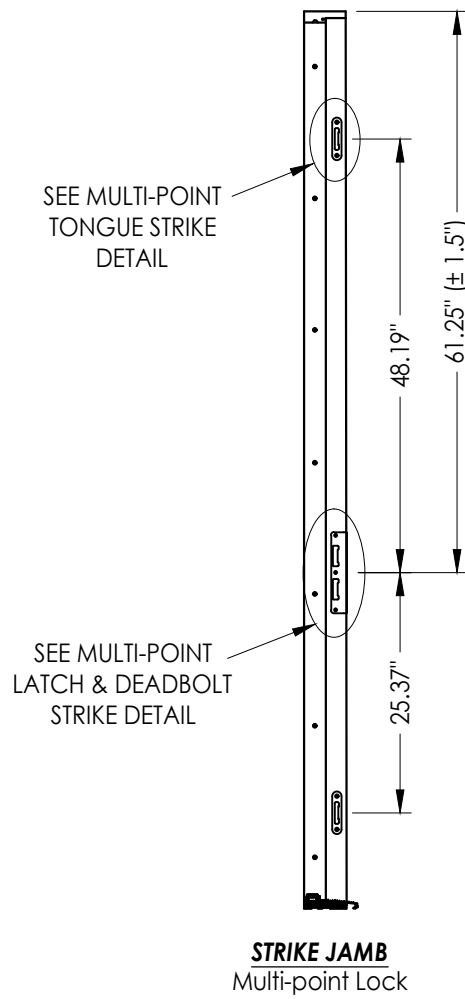
STRIKE JAMB
Latch & Deadbolt



HINGE JAMB

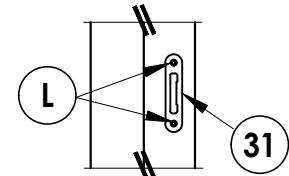


HINGE DETAIL

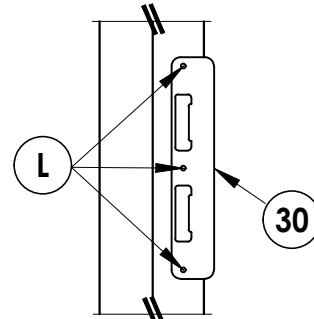


STRIKE JAMB
Multi-point Lock

MULTI-POINT LOCK STRIKE DETAILS



MULTI-POINT TONGUE STRIKE DETAIL



MULTI-POINT LATCH & DEADBOLT STRIKE DETAIL

3	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS		
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS		
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC LFS		
NO.	DATE		BY		
				REVISIONS	

DATE: 5/19/20

SCALE: *N.T.S.*

DWG. BY: *RW*

CHK. BY: LFS

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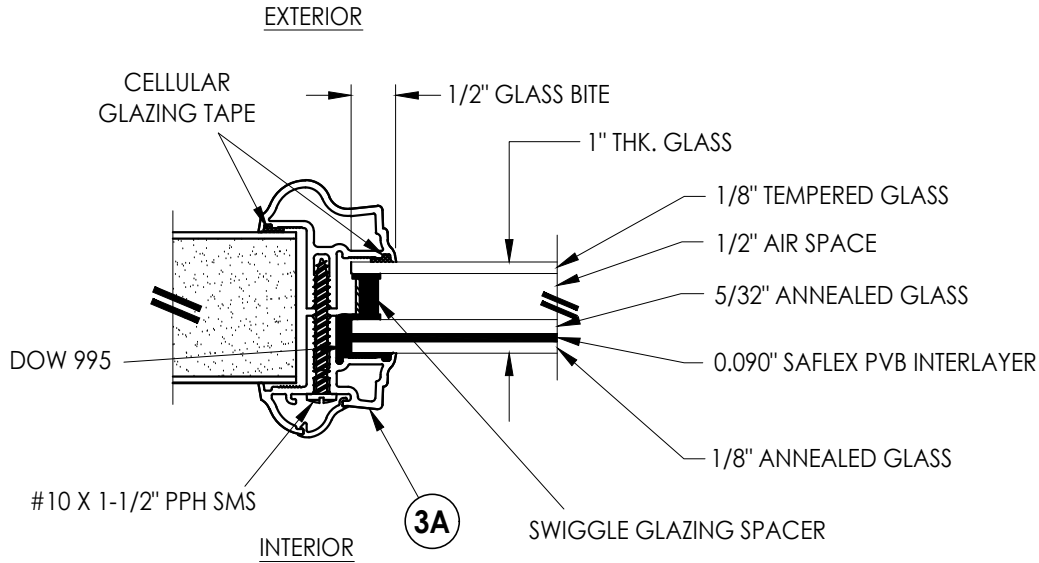
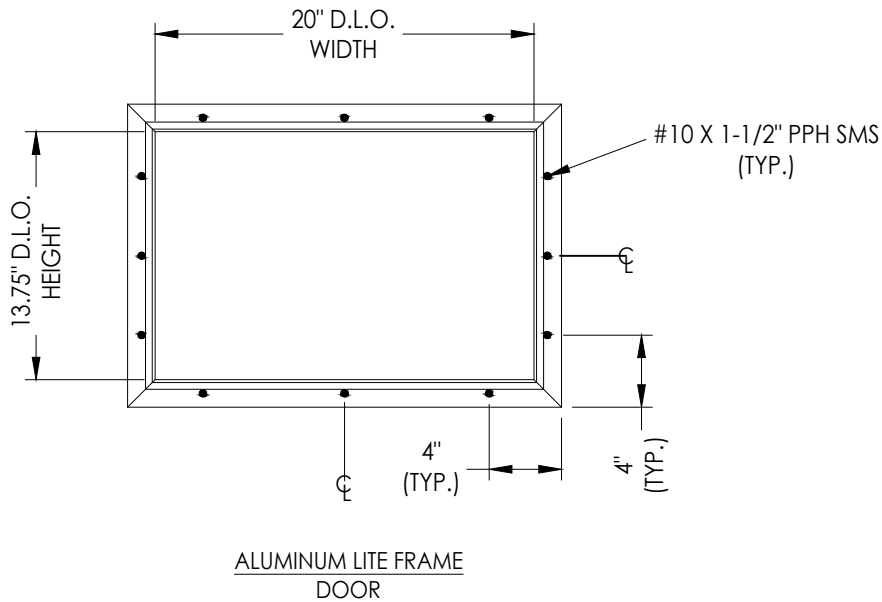
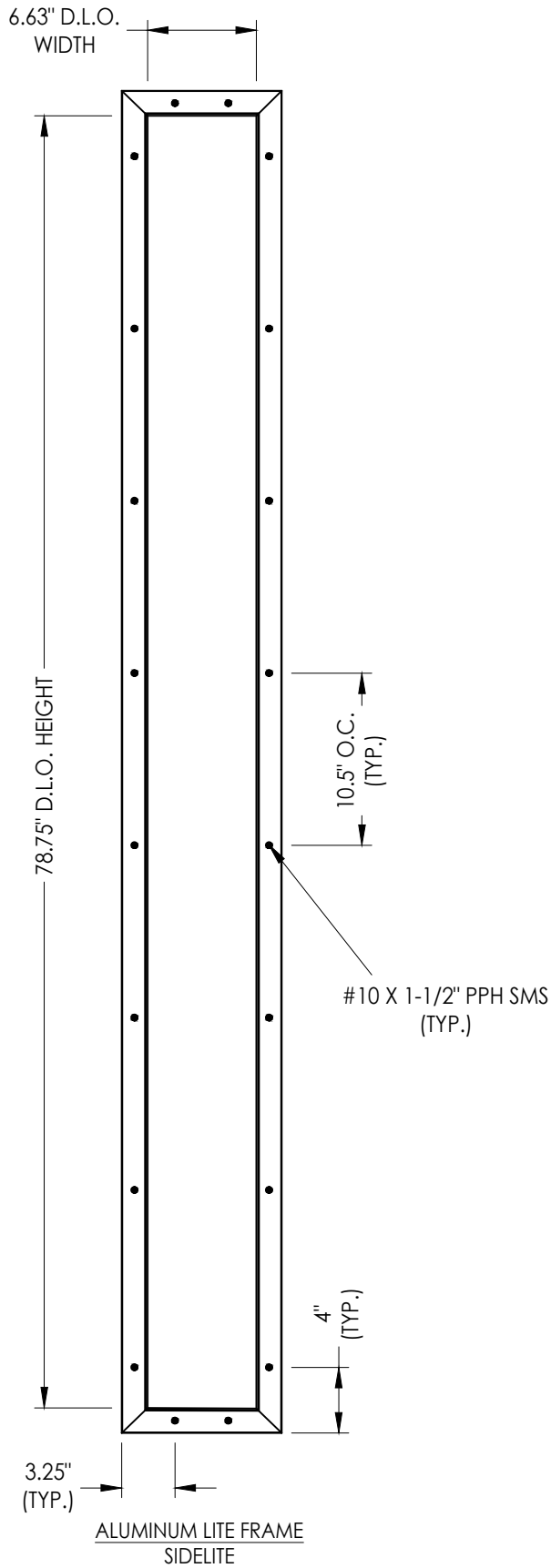
SHEET 11 OF 13

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Lyndon F. Schmidt
P.E. No. 43409

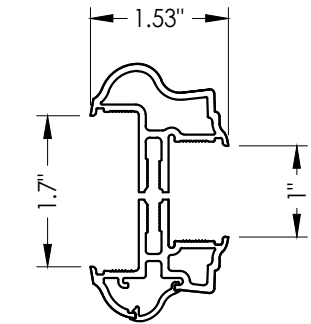
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

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



G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



3A ALUMINUM FRAME
Aluminum Impact Lite Frame
Door Panels & Sidelites

DATE: 5/19/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-30482.8

SHEET 12 OF 13

PRODUCT: THERMA-TRU FIBERGLASS DOOR

PART OR ASSEMBLY: GLAZING DETAILS

NO.	DATE	REVISIONS
3	6/16/25	REVISE DIRECT TO MASONRY INST. LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS
		BY

Documents Prepared By:
Lyndon F. Schmidt
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