

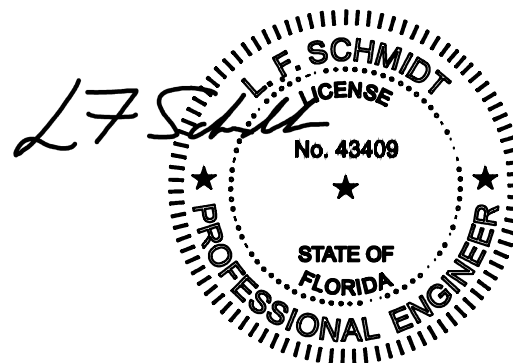


INSWING "NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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.
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.

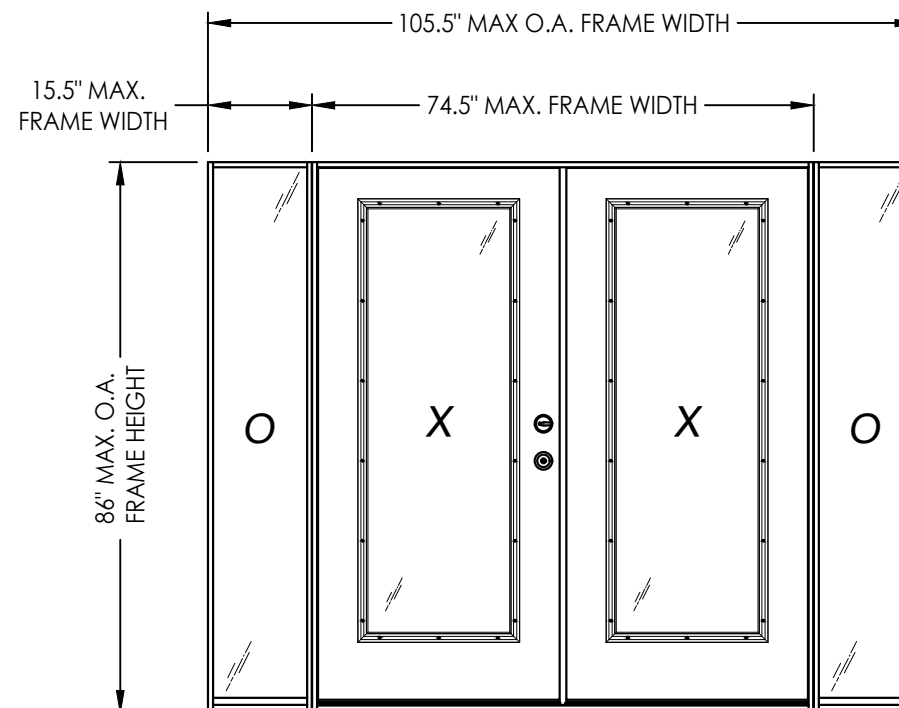
TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET#	
1	Typical Elevations, Design Pressures & General Notes	8	Vertical Cross Sections (Thresholds)
2	Door Panel Details	9	Buck Anchoring
3	Sidelite Panel Details	10	Frame Anchoring
4	Elevations	11	Hardware Details
5	Horizontal & Vertical Cross Sections (2X Buck)	12	Glazing Details
6	Horizontal & Vertical Cross Sections (1X Buck)	13	Bill of Materials & Components
7	Horizontal Cross Sections		



Digitally signed by
Lyndon F Schmidt
Date: 2026.08.10
16:18:27 -04'00'

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L. F. Schmidt, P.E. on the date adjacent to the seal.
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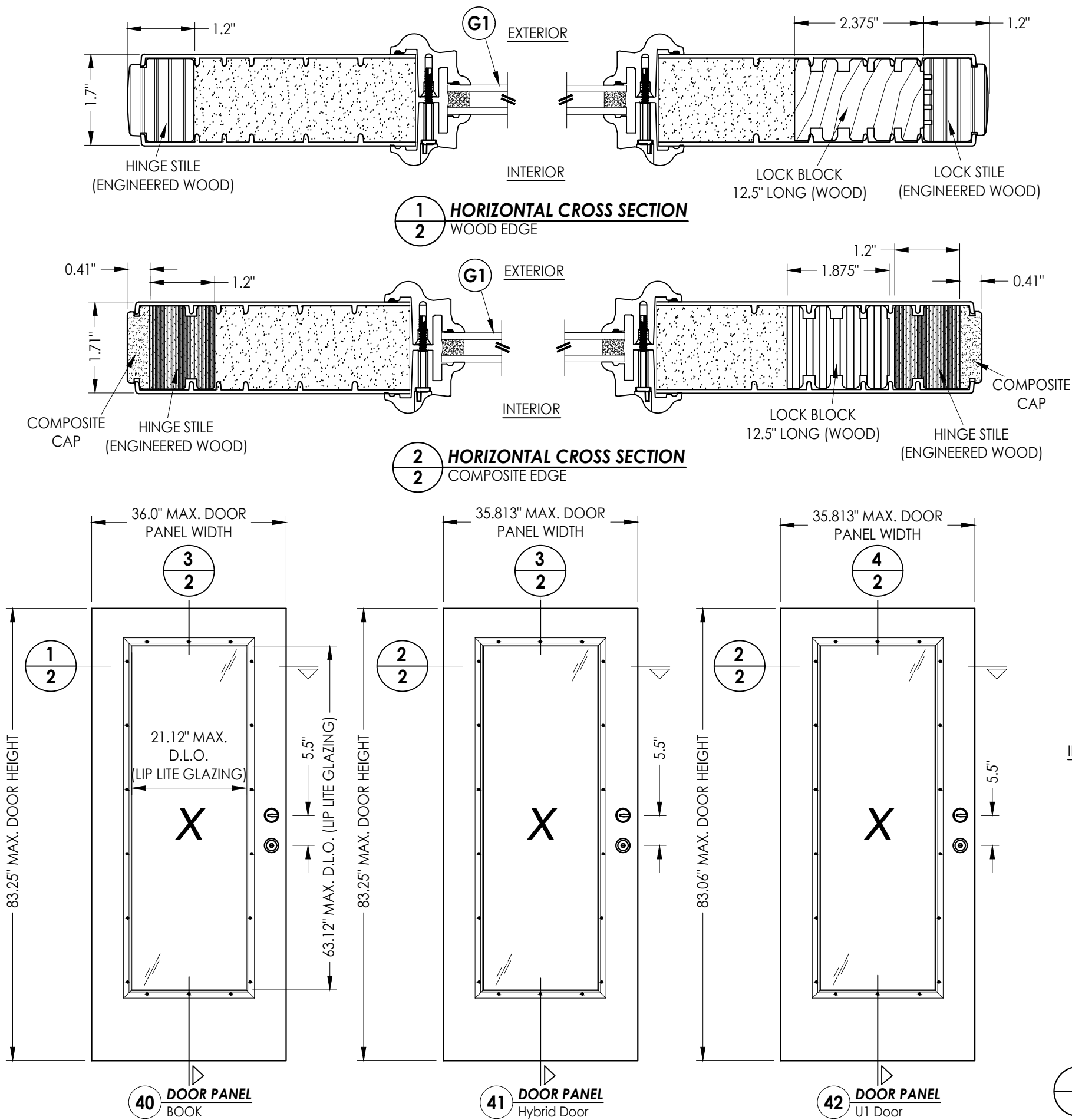
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



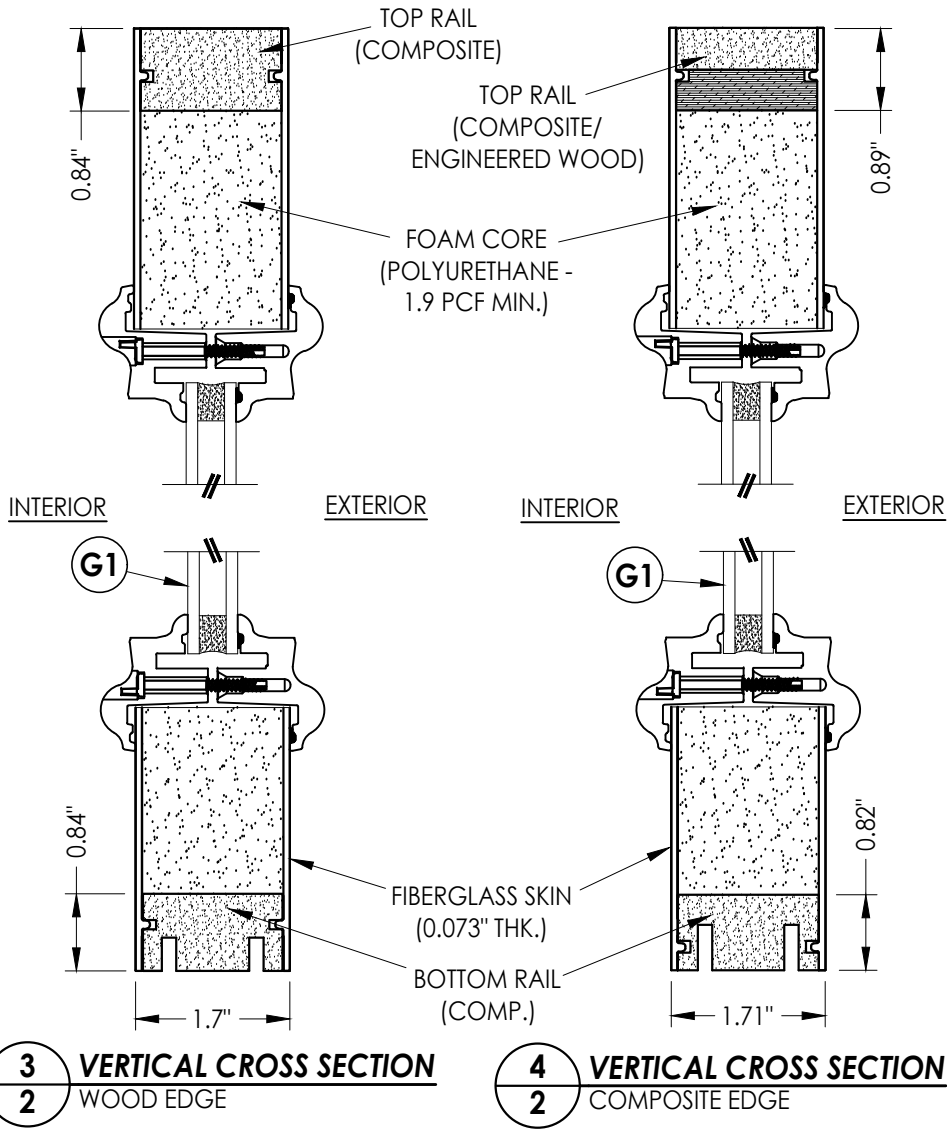
CONFIGURATION	2X REINFORCEMENT REQUIRED	ASTRAGAL	DESIGN PRESSURE (PSF) w/ FJ PINE JAMBS		DESIGN PRESSURE (PSF) w/ COMPOSITE JAMBS	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXO	NO	STANDARD	+40.0	-45.0	+40.0	-45.0

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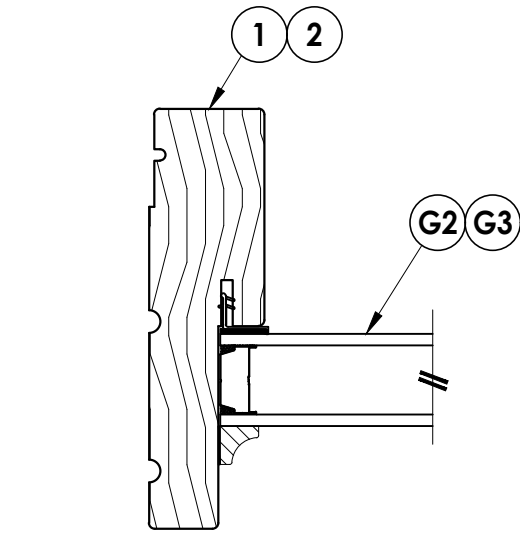


NOTE: BOOK, HYBRID & U1 DOORS
MAY EACH BE FABRICATED AS WOOD
OR COMPOSITE EDGE DOORS.

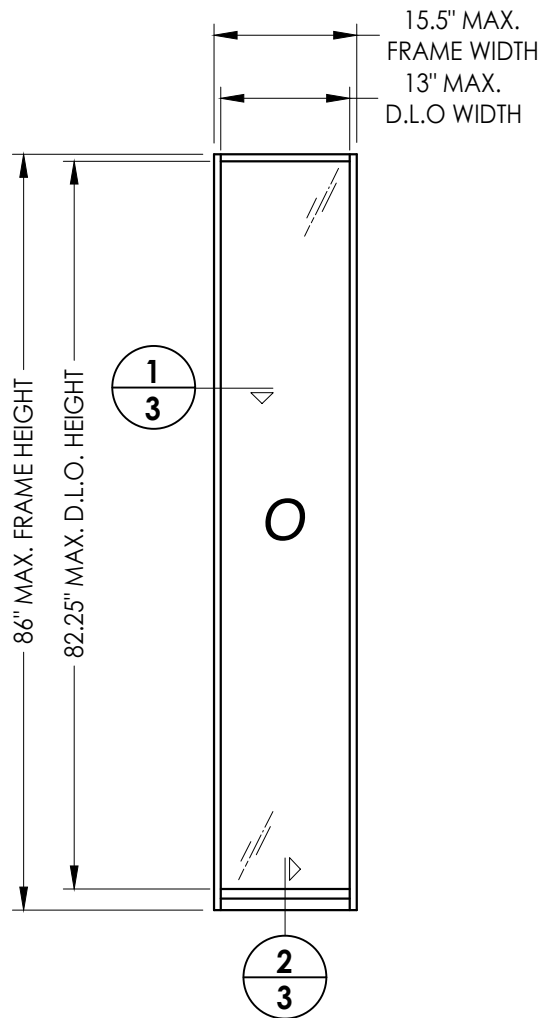


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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
			LFS
			FBC
			(2026)
		2	7/01/26
			UPDATE TO 9TH ED.
			(2026)
			FBC
		1	7/24/23
			UPDATE TO 8TH ED.
			(2023)
			FBC
		NO.	DATE
			BY
REVISIONS			
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.8			
SHEET 2 OF 13			

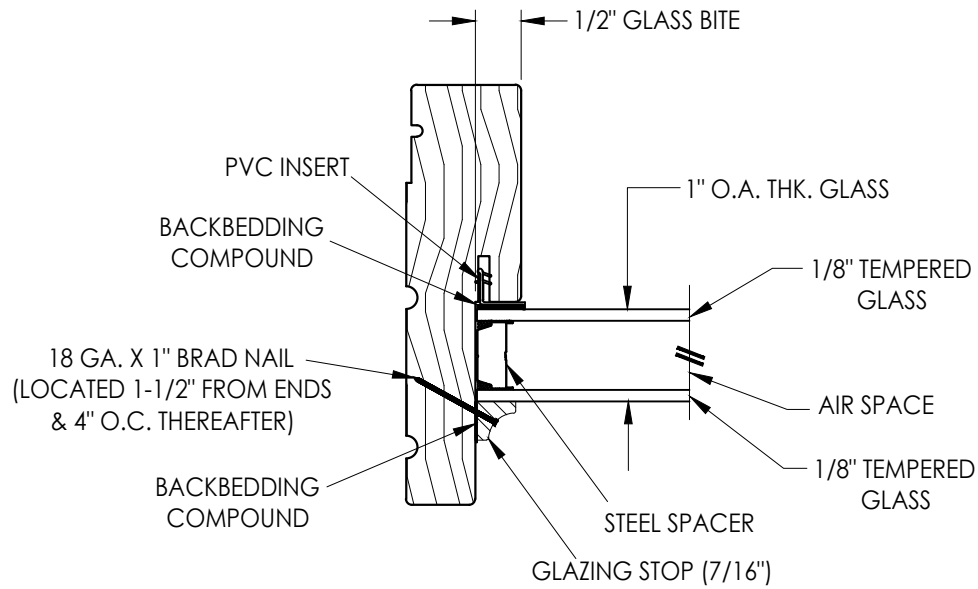
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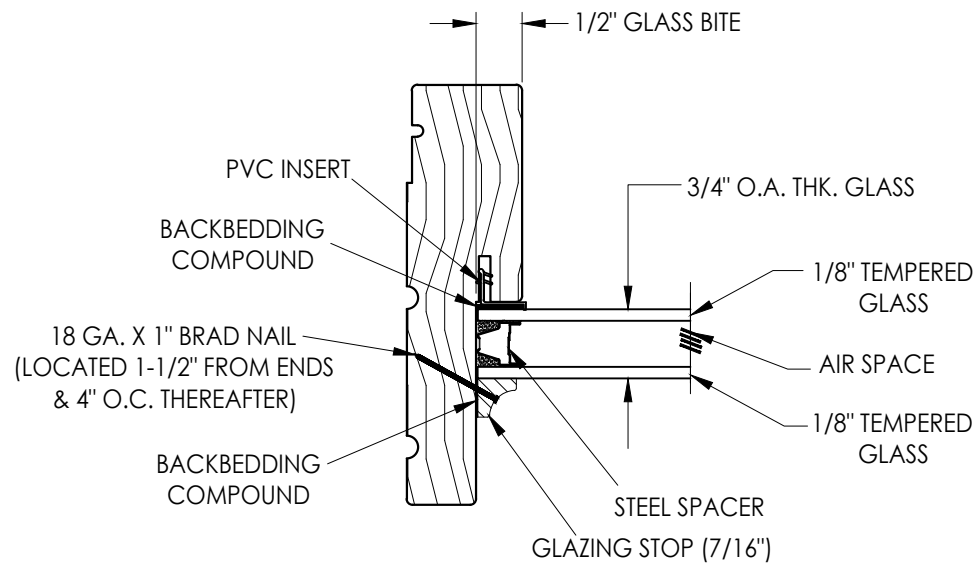
1
3 **HORIZONTAL CROSS SECTION**



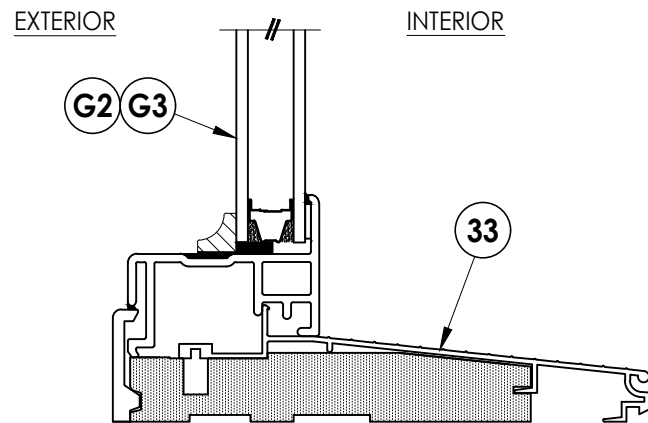
50 **DIRECT SET SIDELITE FRAME**



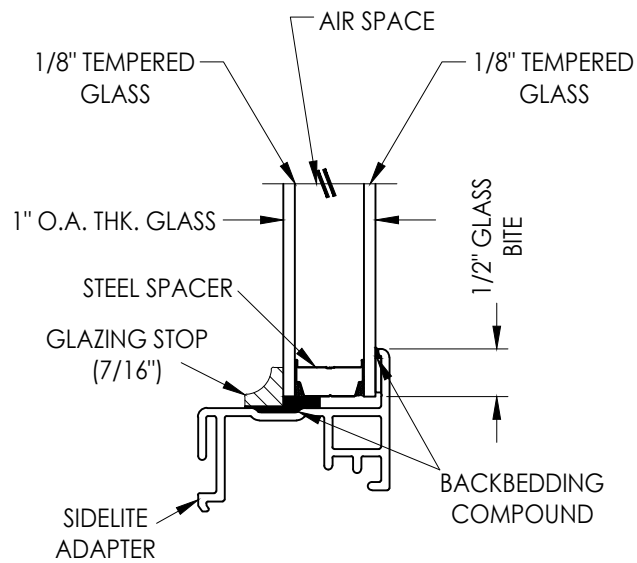
G2 **GLAZING DETAIL**
1" Insulated Glass



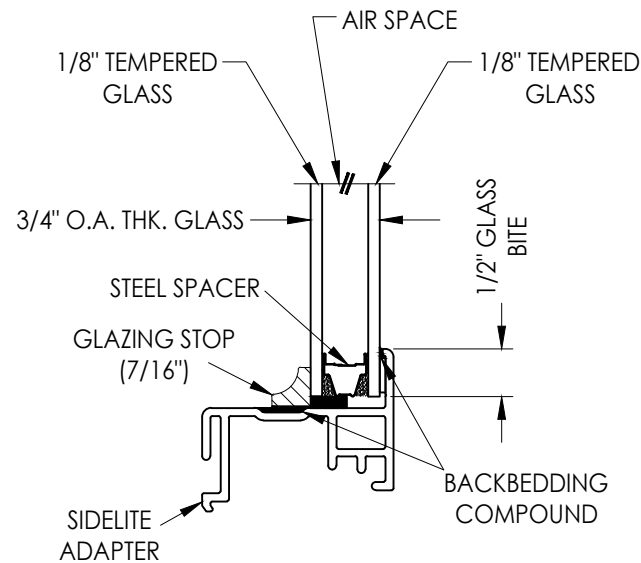
G3 **GLAZING DETAIL**
3/4" Insulated Glass



2
3 **VERTICAL CROSS SECTION**



G2 **GLAZING DETAIL**
1" Insulated Glass



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

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Lyndon F. Schmidt
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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS

NO.	DATE	BY	REVISIONS
2	7/01/26	LFS	UPDATE TO 9TH ED. (2026) FBC
1	7/24/23	LFS	UPDATE TO 8TH ED. (2023) FBC

DATE: 12/10/20

SCALE: N.T.S.

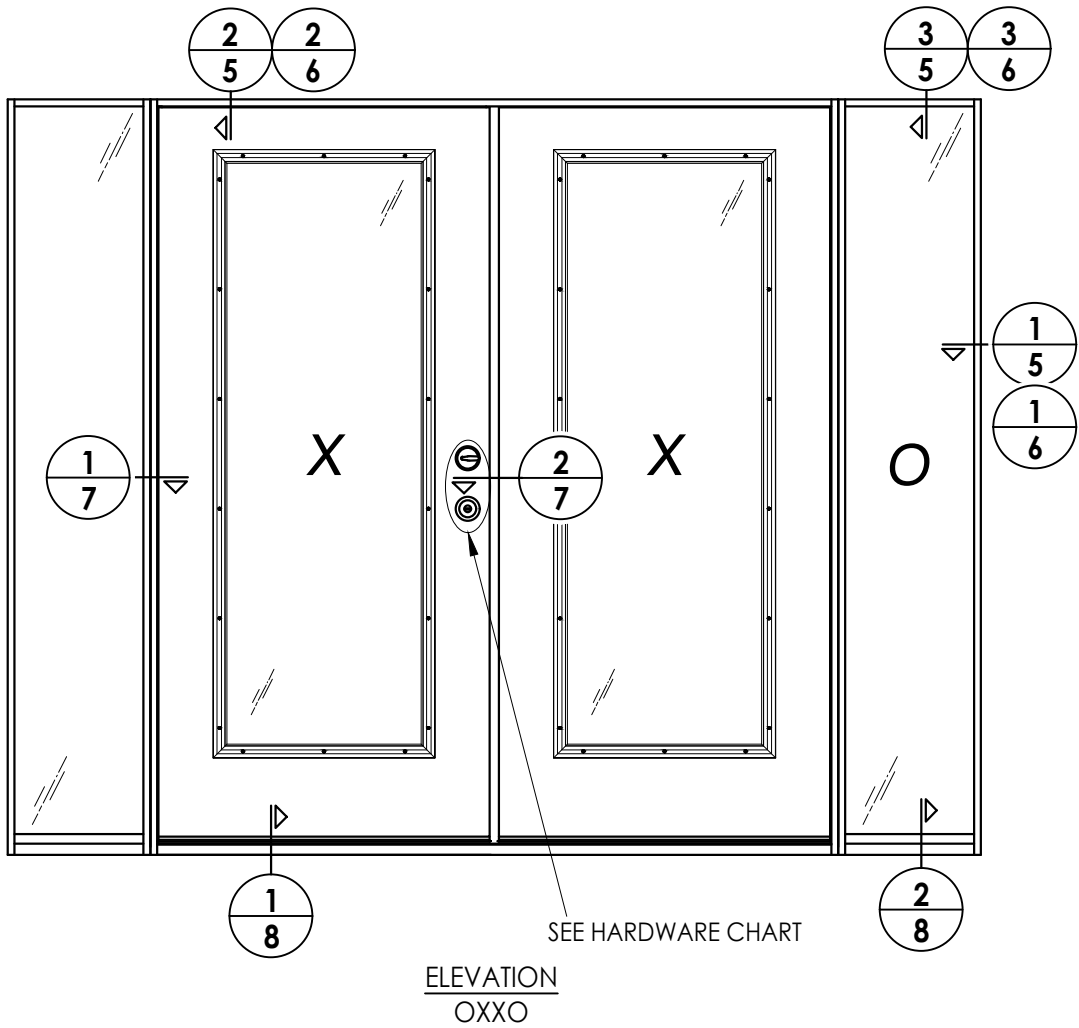
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DRAWING NO.: FL-35436.8

SHEET 3 OF 13

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)	

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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

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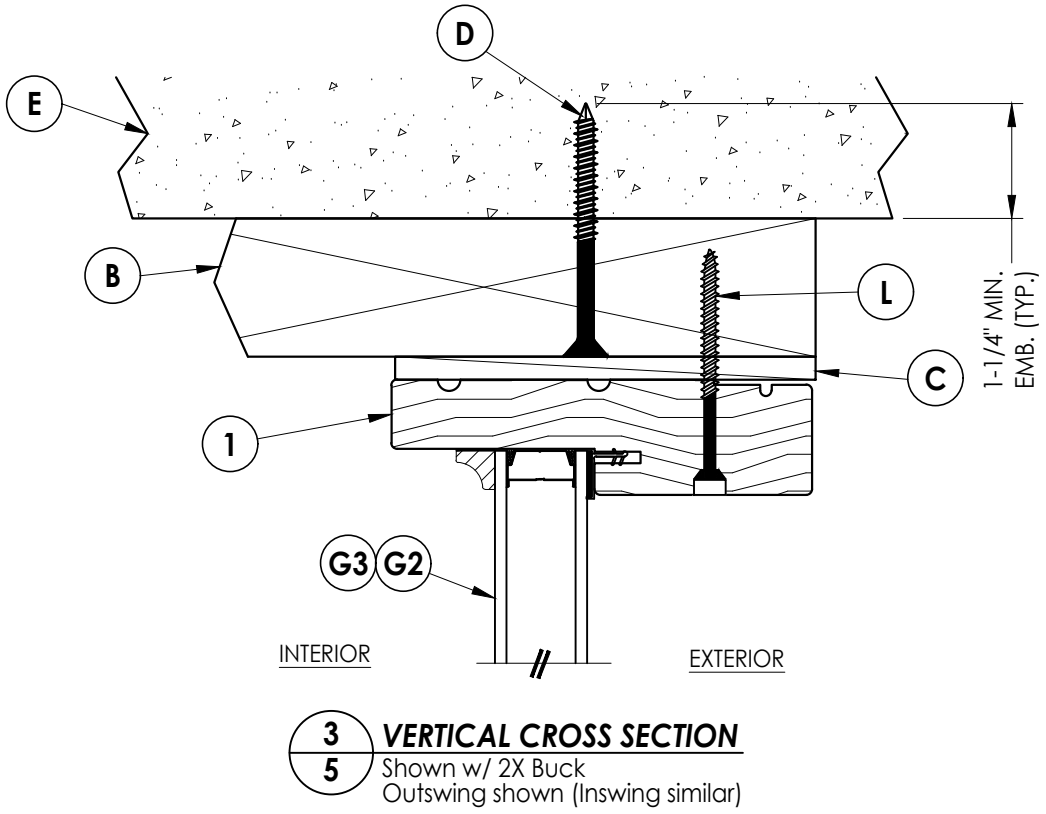
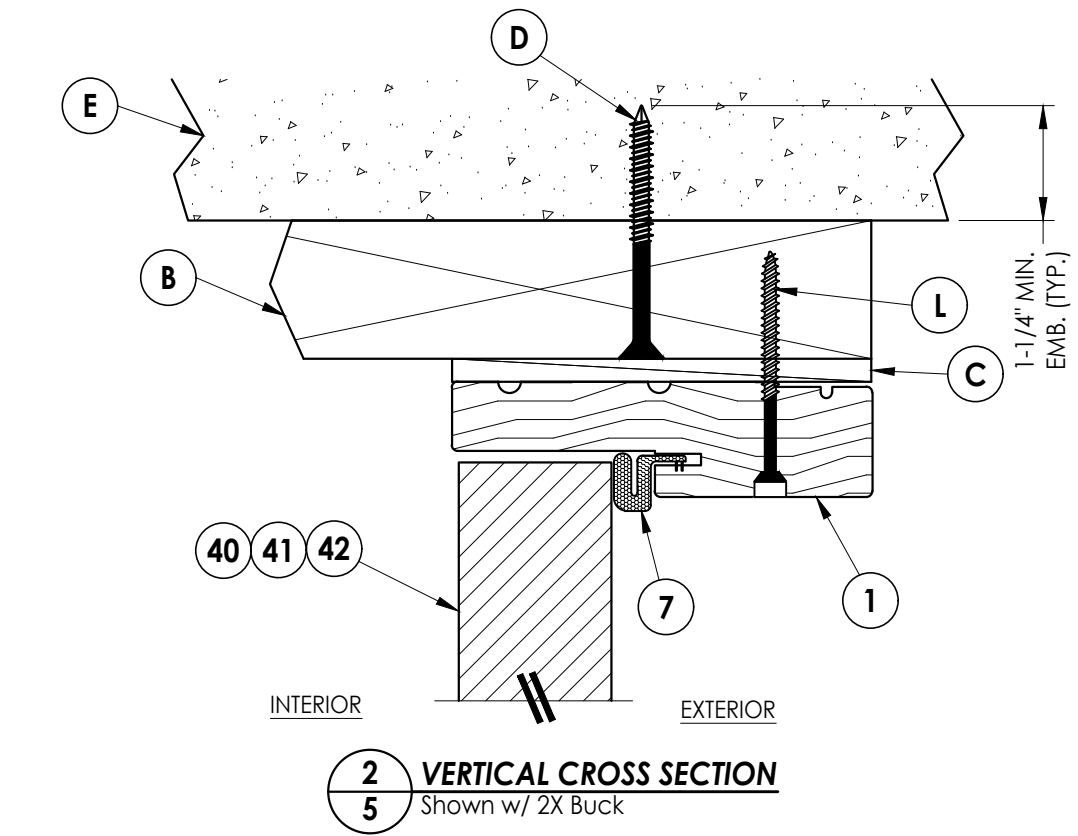
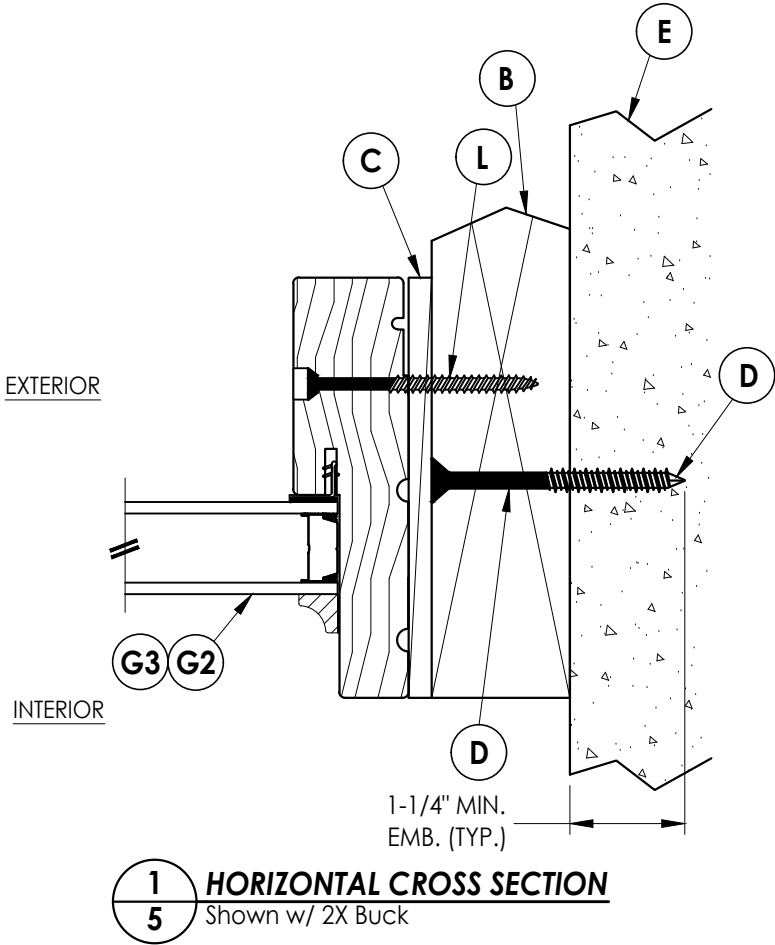
Rea Building Consultants, Inc.

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

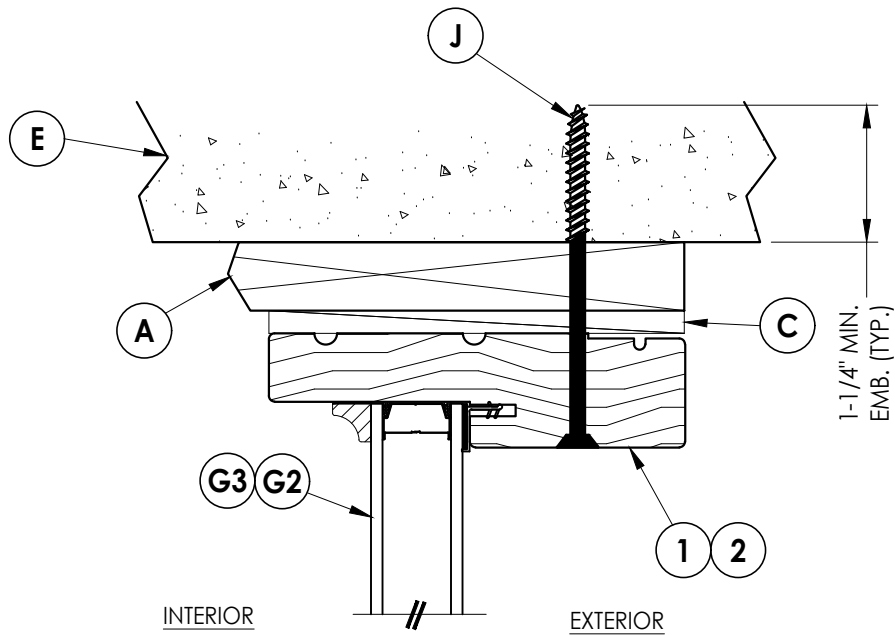
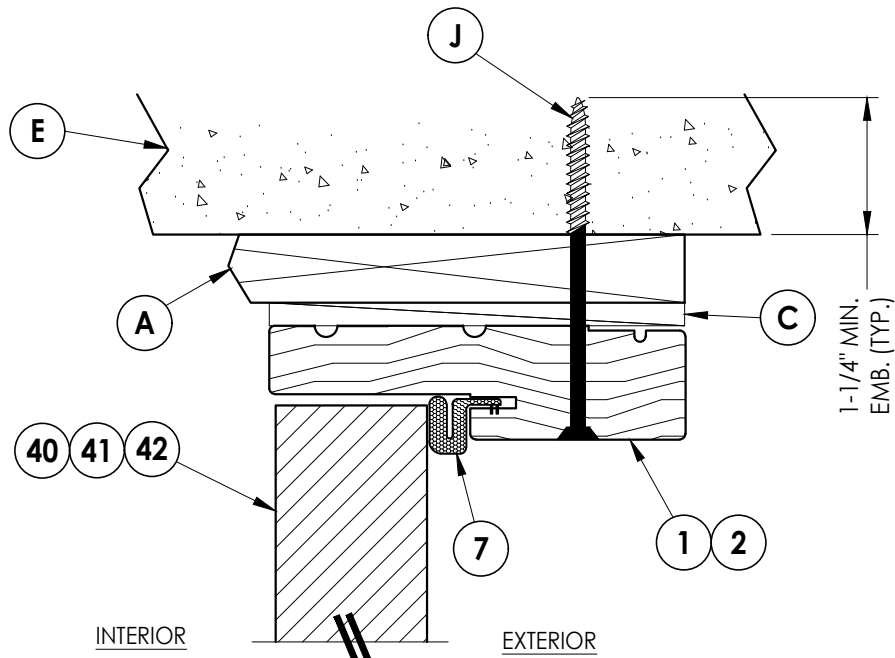
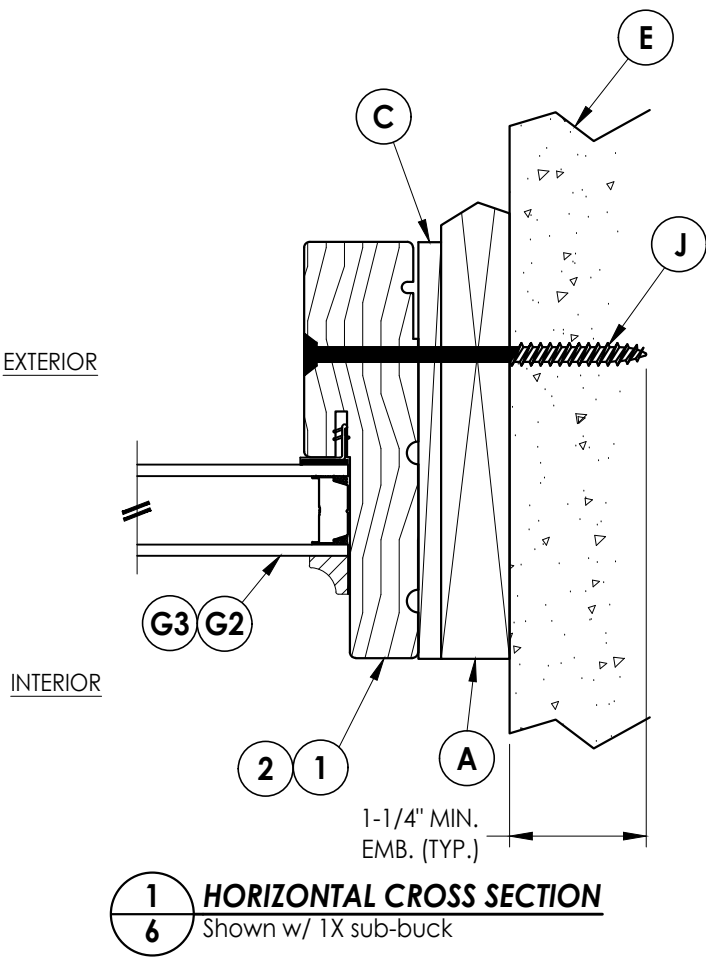
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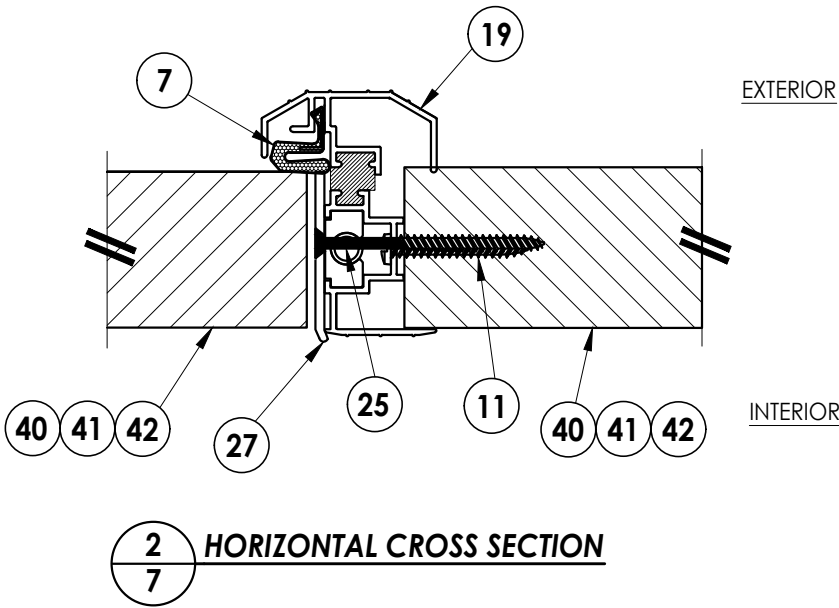
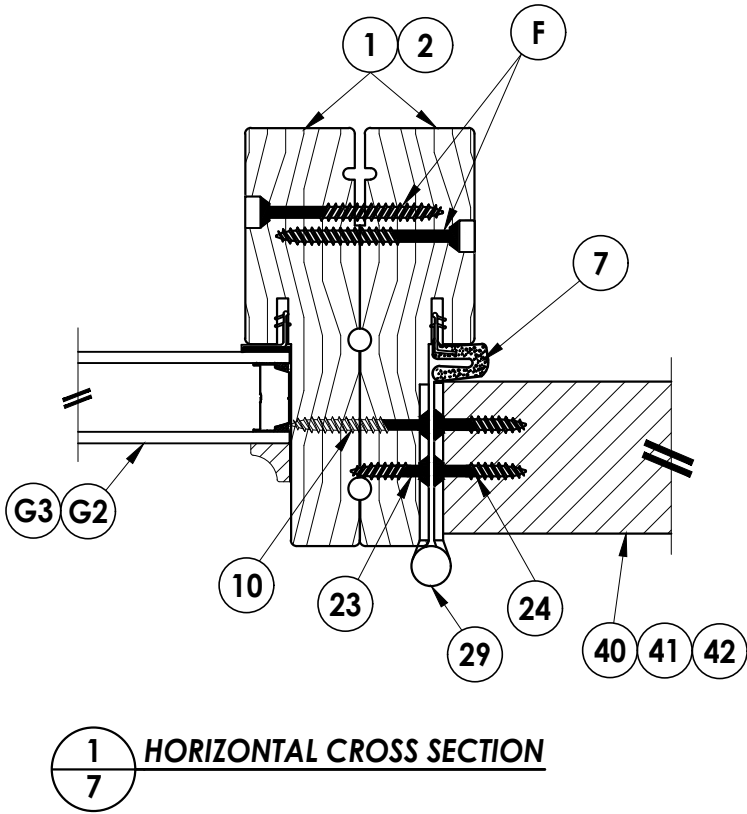


PRODUCT:		THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
DOCUMENTS PREPARED BY:		Lyndon F. Schmidt P.E. No. 43409		DATE:		12/10/20	
DATE:		12/10/20		SCALE:		N.T.S.	
DWG. BY:		RW		CHK. BY:		LFS	
DRAWING NO.:		FL-35436.8		SHEET		5 OF 13	
REVISIONS		NO.		DATE		BY	
2		7/01/26		UPDATE TO 9TH ED. (2026)		FBC LFS	
1		7/24/23		UPDATE TO 8TH ED. (2023)		FBC LFS	
Documents Prepared By:		Lyndon F. Schmidt P.E. No. 43409		DRAWING NO.:		FL-35436.8	
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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)			
				LFS	FBC	BY	
				2	7/01/26	UPDATE TO 9TH ED. (2026)	
				1	7/24/23	UPDATE TO 8TH ED. (2023)	
				NO.	DATE		
DATE: 12/10/20				REVISIONS			
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-35436.8							
SHEET 6 OF 13							

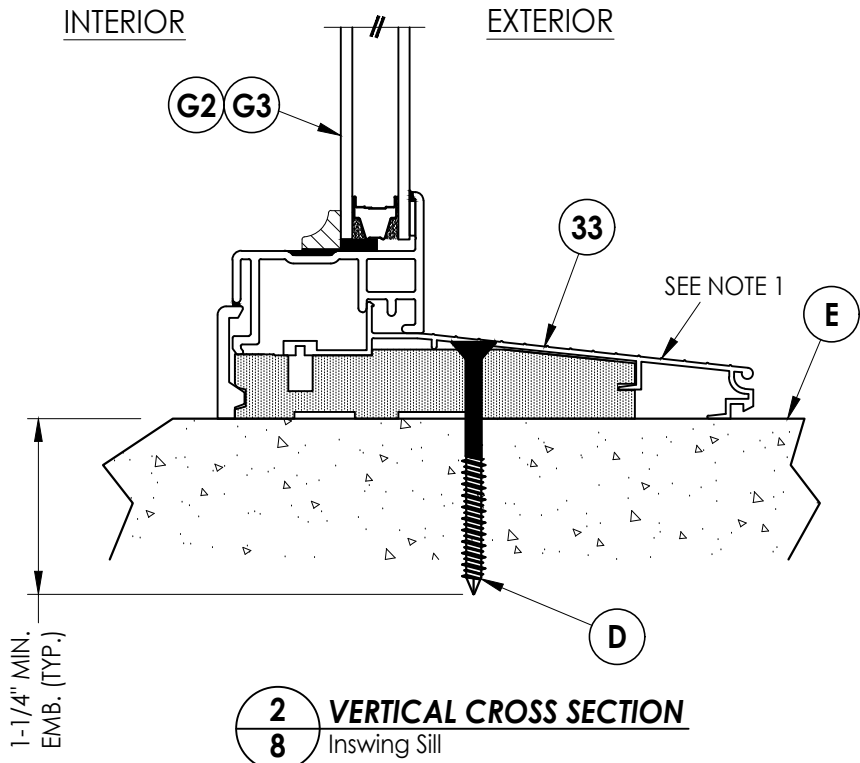
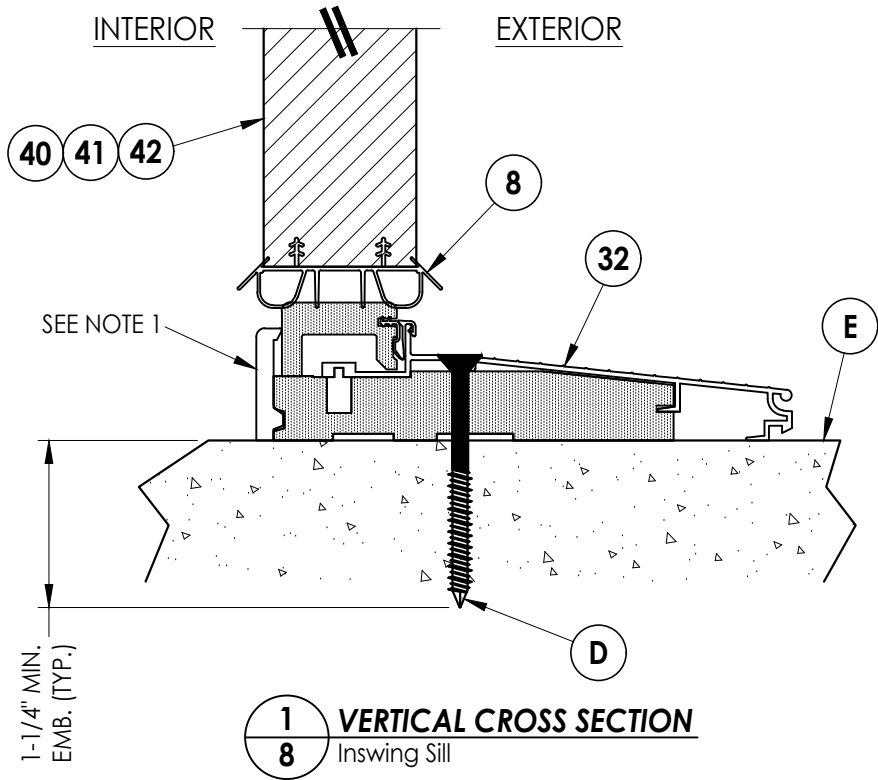
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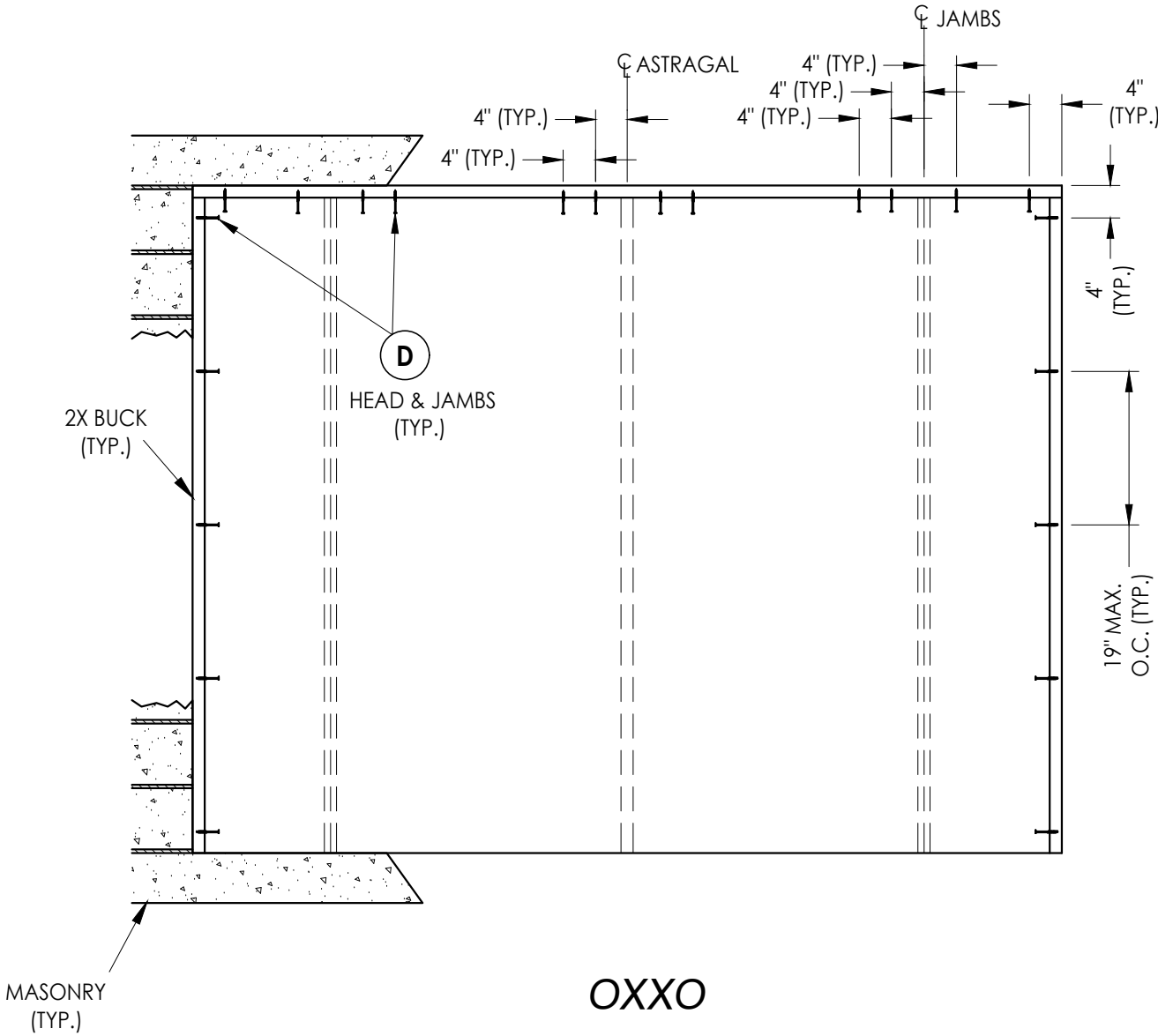
DATE: 12/10/20				DOCUMENTS PREPARED BY: Lyndon F. Schmidt P.E. No. 43409				RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813			
SCALE: N.T.S.				PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS			
DWG. BY: RW				2 7/01/26 UPDATE TO 9TH ED. (2026) FBC LFS				LFS			
CHK. BY: LFS											
DRAWING NO.: FL-35436.8				1 7/24/23 UPDATE TO 8TH ED. (2023) FBC LFS				BY			
SHEET 7 OF 13				NO. DATE				REVISIONS			

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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.



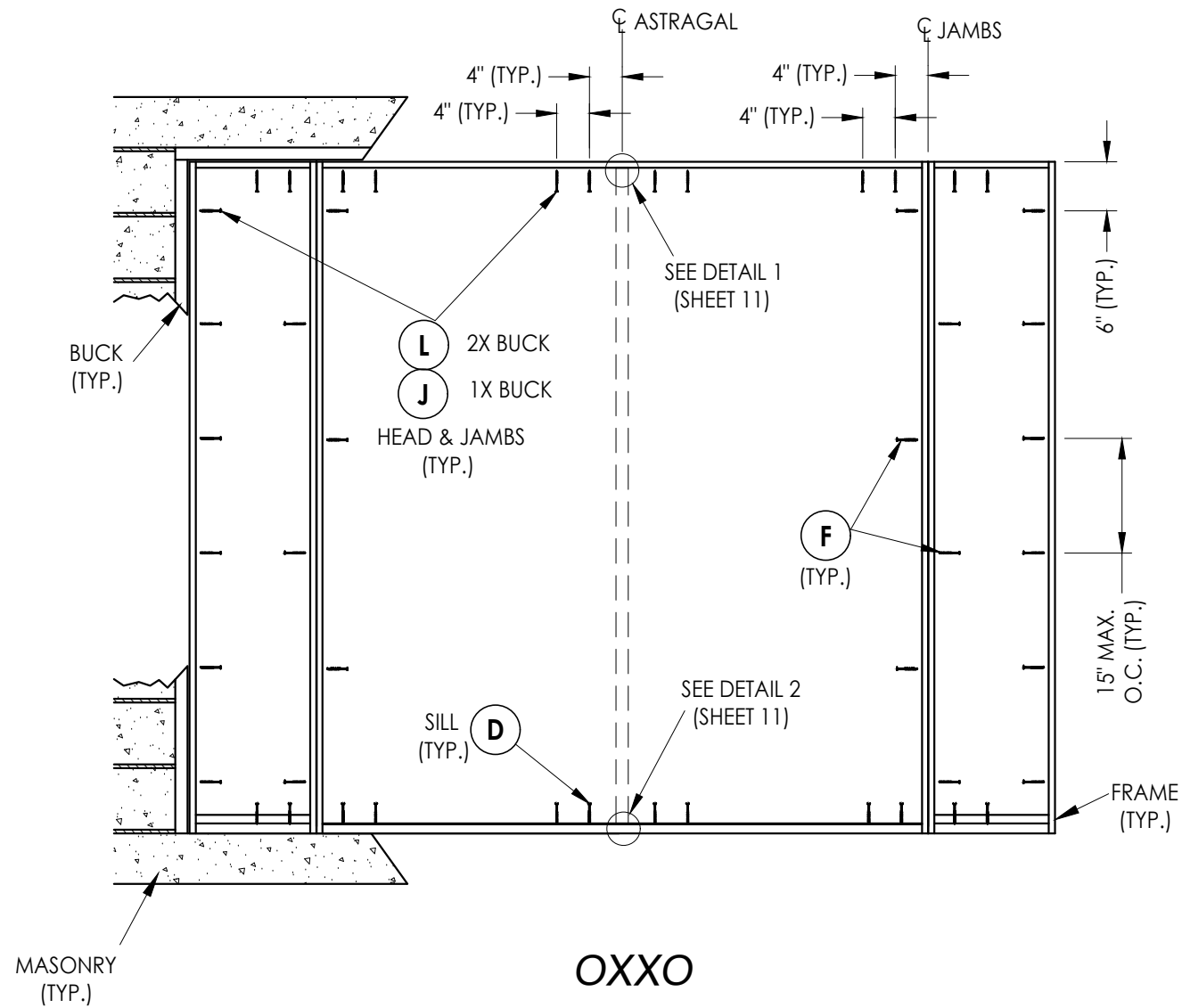
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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	
		LFS	BY
		UPDATE TO 9TH ED. (2026) FBC	
		UPDATE TO 8TH ED. (2023) FBC	
		NO. DATE	
		2	7/01/26
		1	7/24/23
DATE: 12/10/20		SCALE: N.T.S.	
DWG. BY: RW		CHK. BY: LFS	
DRAWING NO.: FL-35436.8		SHEET 8 OF 13	



2X BUCK ANCHORING

OXXO

DATE: 12/10/20		PRODUCT:		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		THERMA-TRU FIBERGLASS DOOR		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
DWG. BY: RW		PART OR ASSEMBLY: BUCK ANCHORING			
CHK. BY: LFS					
DRAWING NO.: FL-35436.8					
SHEET 9 OF 13					



FRAME ANCHORING

2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
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*

CHK. BY: LFS

DRAWING NO.:

FL-35436.8

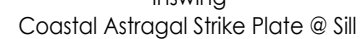
SHEET 10 OF 13

Documents Prepared By:
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P.E. No. 43409

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

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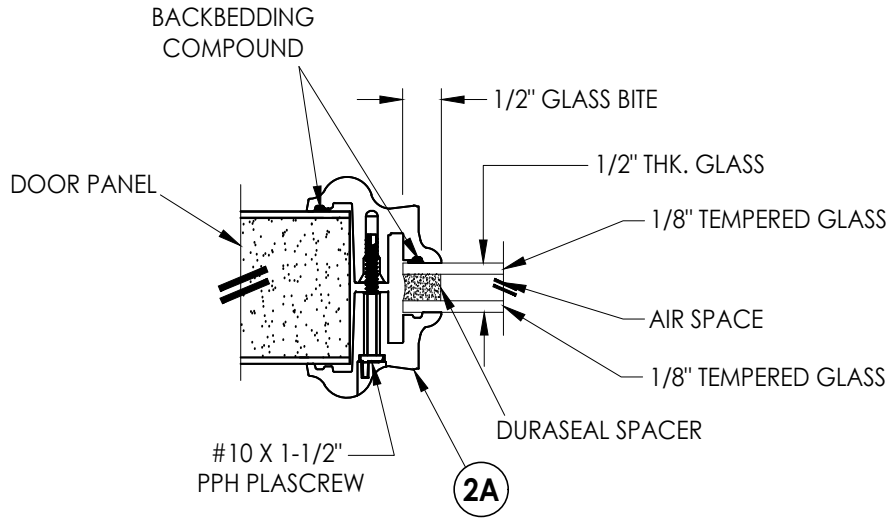


LATCH & DEADBOLT STRIKE DETAILS

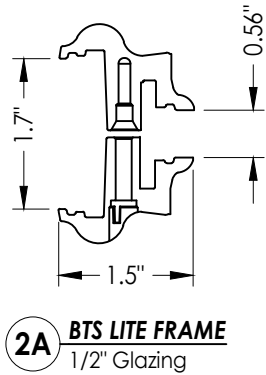
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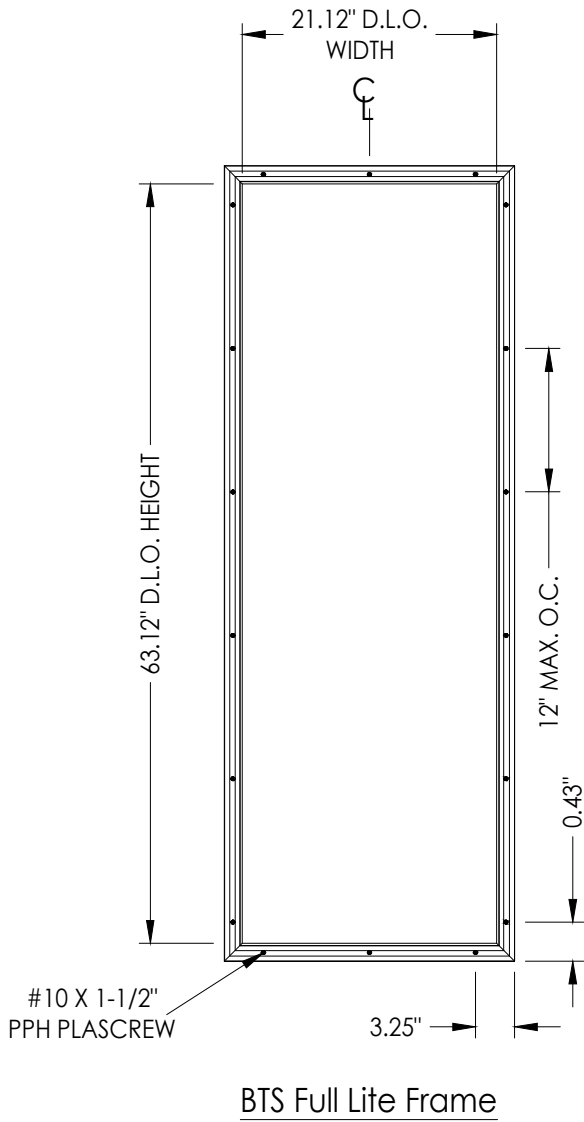
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G1 GLAZING DETAIL
BTS Lite Frame
Door Panels



2A BTS LITE FRAME
1/2" Glazing



BTS Full Lite Frame

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-35436.8

SHEET 12 OF 13

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
GLAZING DETAILS

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Lyndon F. Schmidt
P.E. No. 43409

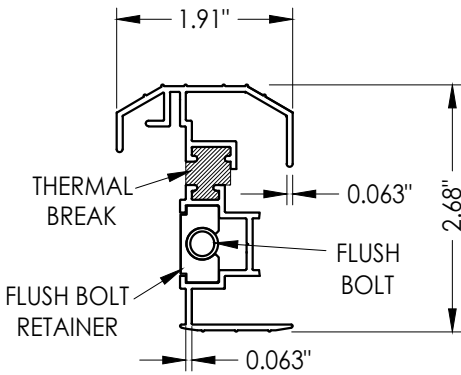
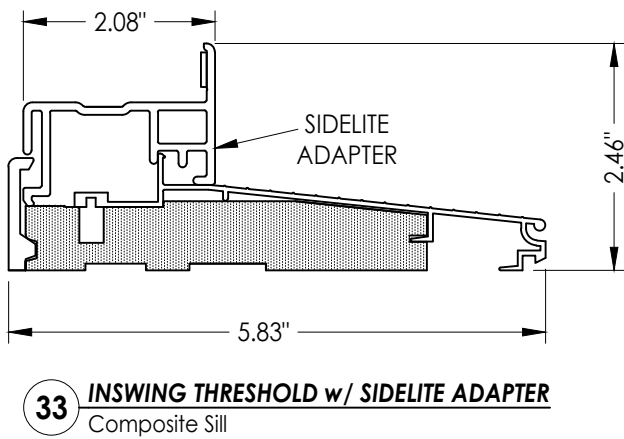
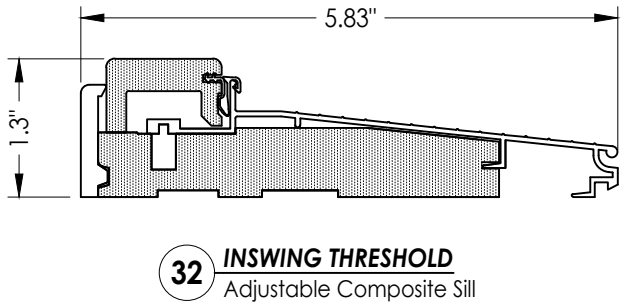
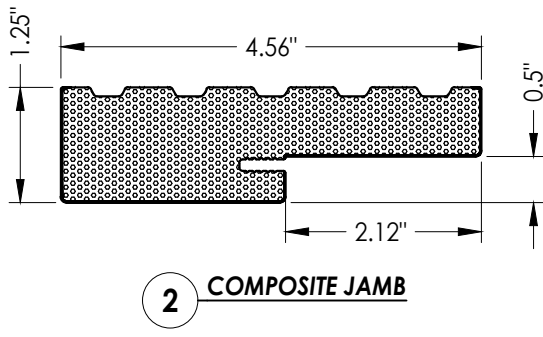
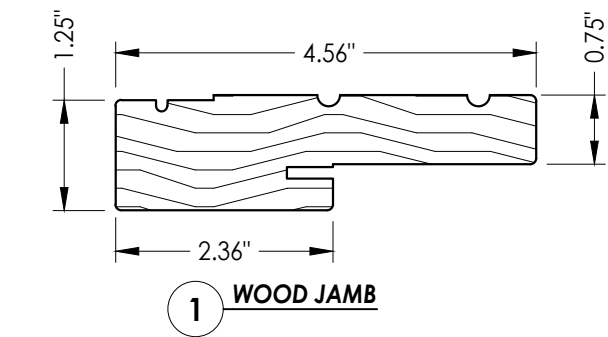
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1	7/24/23	UPDATE TO 8TH ED. (2023) FBC LFS

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 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
F	#10 X 2" PFH WOOD SCREW	STEEL
G	3/16" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
I	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
Q	#10 X 3" PFH WOOD SCREW (1.75" MIN. EMBEDMENT)	STEEL
R	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
X	2X REINFORCEMENT (SG = 0.55)	WOOD
1	WOOD JAMB (FINGER JOINT PINE)	WOOD
2	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
10	#10 X 1-1/2" PFH WOOD SCREW	STEEL
19	STANDARD ALUMINUM ASTRAGAL	ALUM
22	#8 X 3/4" PFH WOOD SCREW	STEEL
23	#9 X 3/4" PFH WOOD SCREW	STEEL
24	#9 X 1" PFH WOOD SCREW	STEEL
25	#8 X 1-1/2" PFH WOOD SCREW	STEEL
26	#8 X 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
28A	DEADBOLT SUB STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE PANEL	-
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL

CORROSION RESISTANCE - SALTWATER ENVIRONMENT
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.



CONCRETE ANCHOR NOTES:				
1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.				
2. 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.				
3. Concrete anchor table:				
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 ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"
WOOD SCREW INSTALLATION NOTES:				
1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.				

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-35436.8

SHEET 13 OF 13

2 7/01/26 UPDATE TO 9TH ED. (2026) FBC LFS

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NO. DATE BY

REVISIONS

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