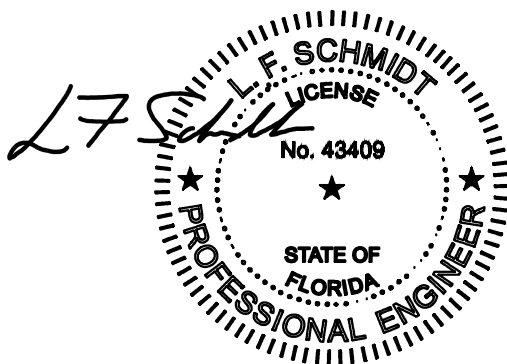




GENERAL NOTES

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.

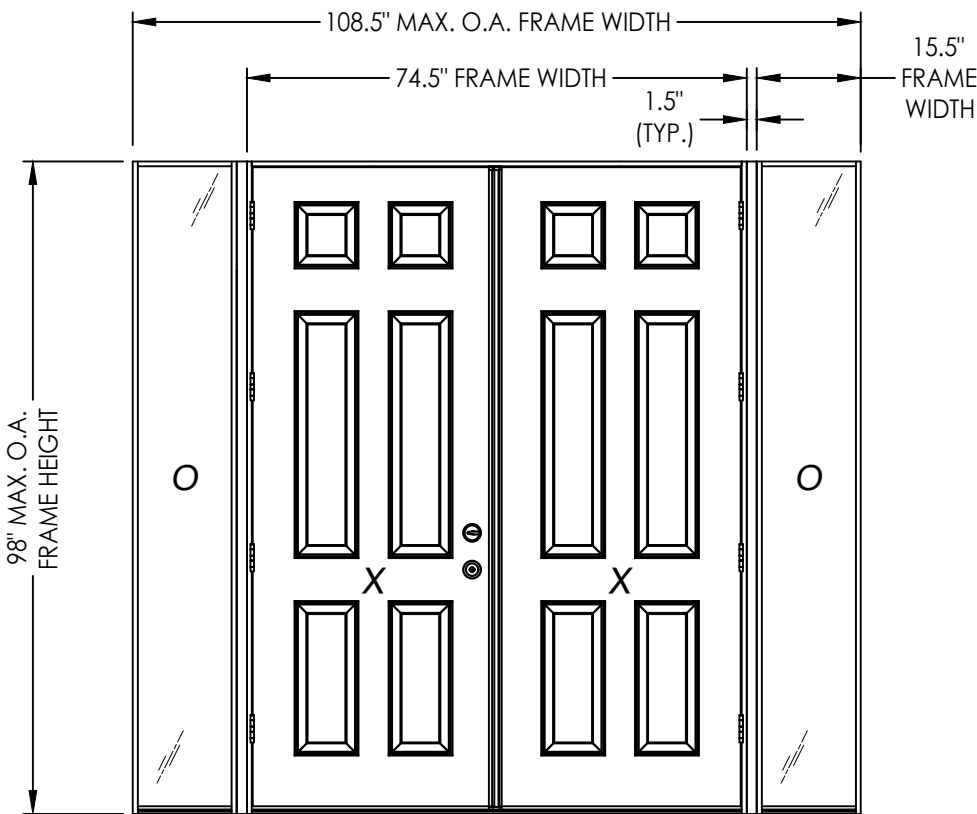
TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET#	
1	Typical Elevations, Design Pressures & General Notes	7	Horizontal Cross Sections
2	Door Panel Details	8	Vertical Cross Sections (Thresholds)
3	Sidelite Panel Details	9	Buck Anchoring
4	Elevations	10	Frame Anchoring
5	Horizontal & Vertical Cross Sections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



Digitally signed by
Lyndon F Schmidt
Date: 2023.07.24
17:25:46 -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	2X REINFORCEMENT REQUIRED	ASTRAGAL	DESIGN PRESSURE (PSF) w/ FJ PINE JAMBS		DESIGN PRESSURE (PSF) w/ COMPOSITE JAMBS	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXXO	NO	STANDARD	+30.0	-50.0	+35.0	-40.0
	YES	COASTAL	+45.0	-50.0	+40.0	-45.0

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

[illegible]

DATE: 12/10/20

SCALE: *N.T.S.*

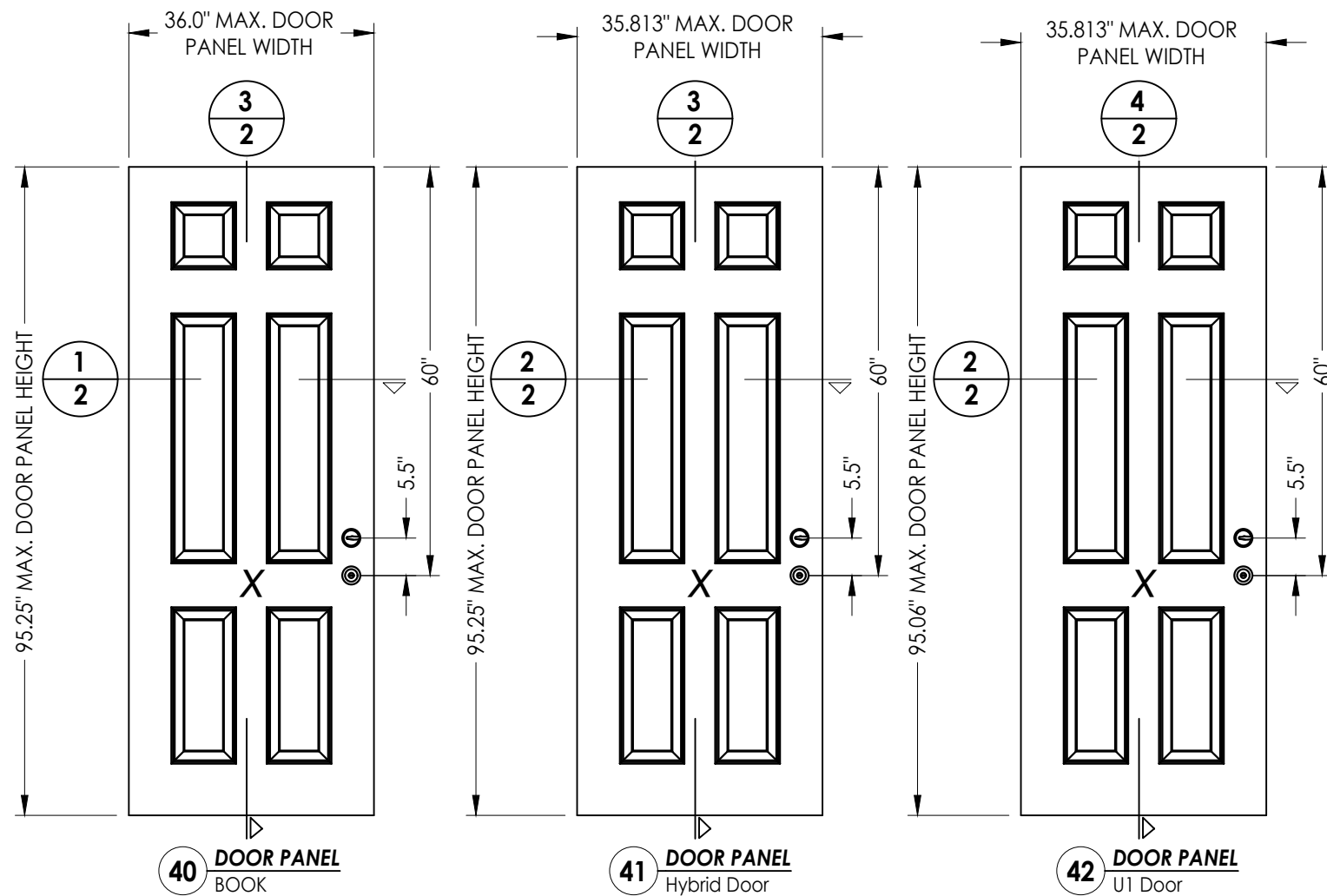
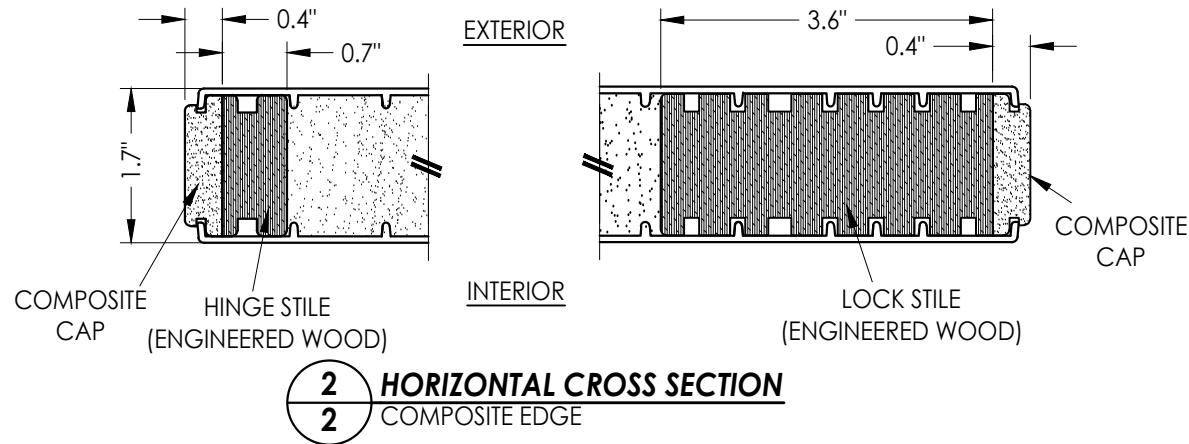
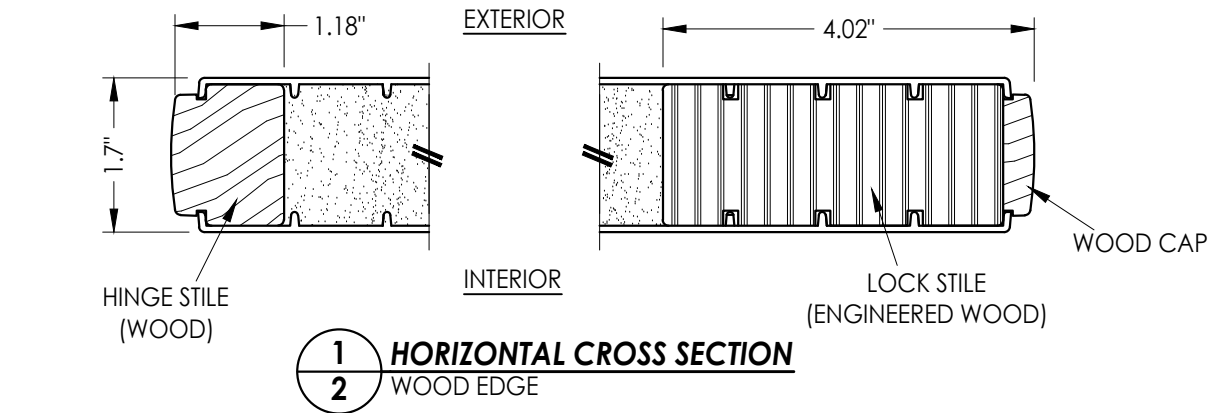
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CHK. BY: LFS

DRAWING NO.:
FL-35436.1

SHEET 1 OF 12

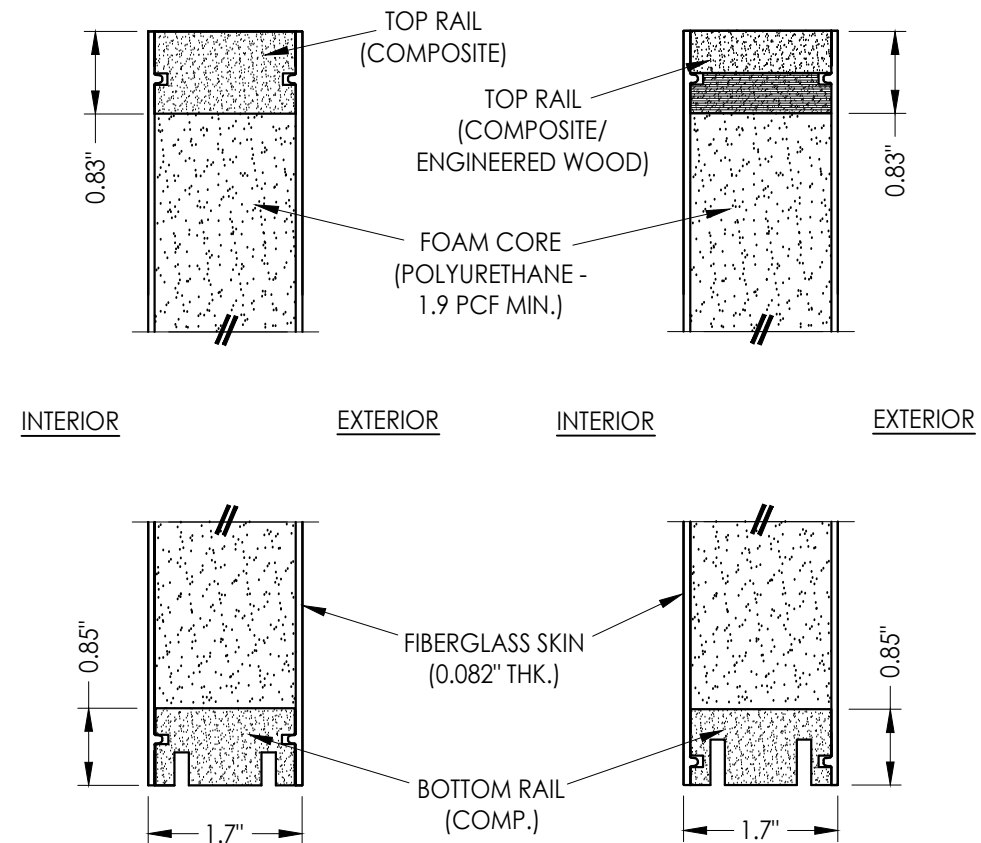
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41
DOOR PANEL
Hybrid Door

42
DOOR PANEL
U1 Door

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



4
2

VERTICAL CROSS SECTION
COMPOSITE EDGE

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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PART OR ASSEMBLY:
DOOR PANEL DETAILS

DATE: 12/10/20

SCALE: N.T.S.

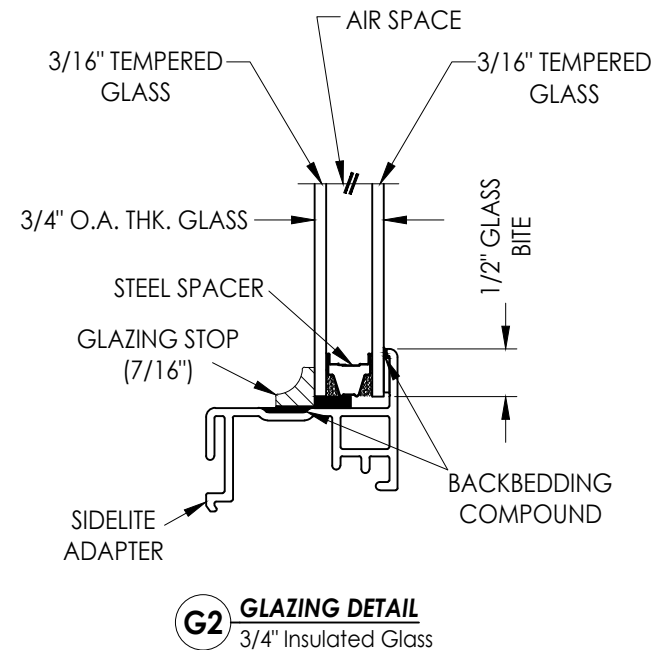
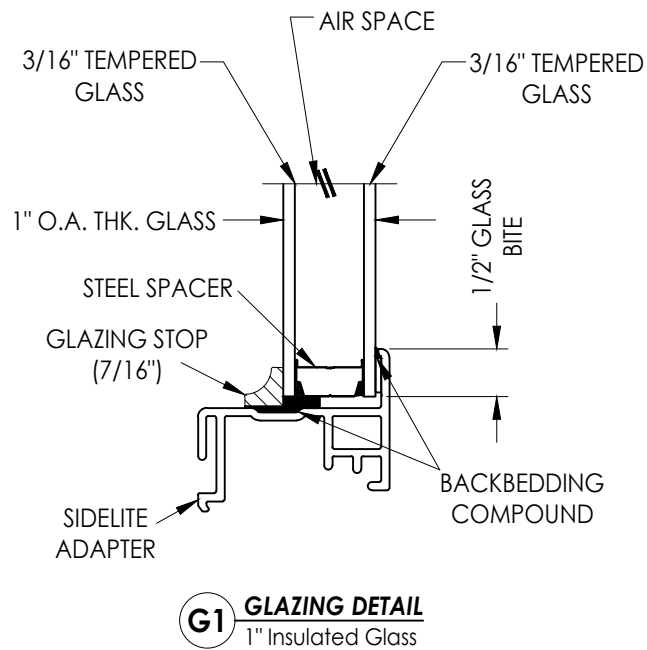
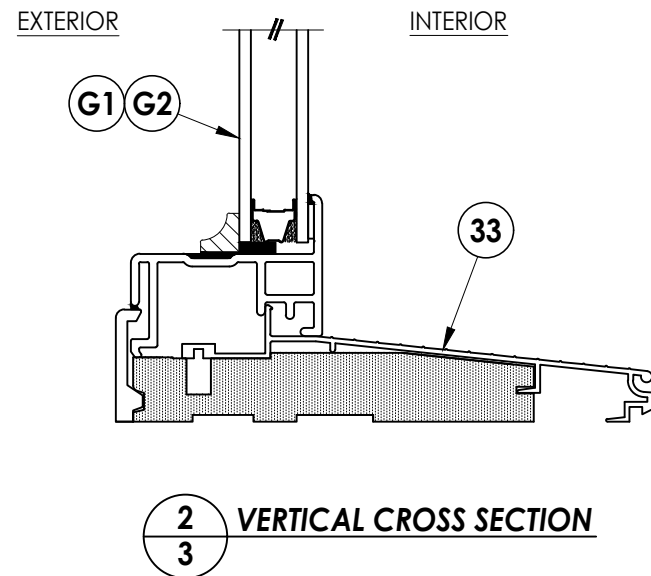
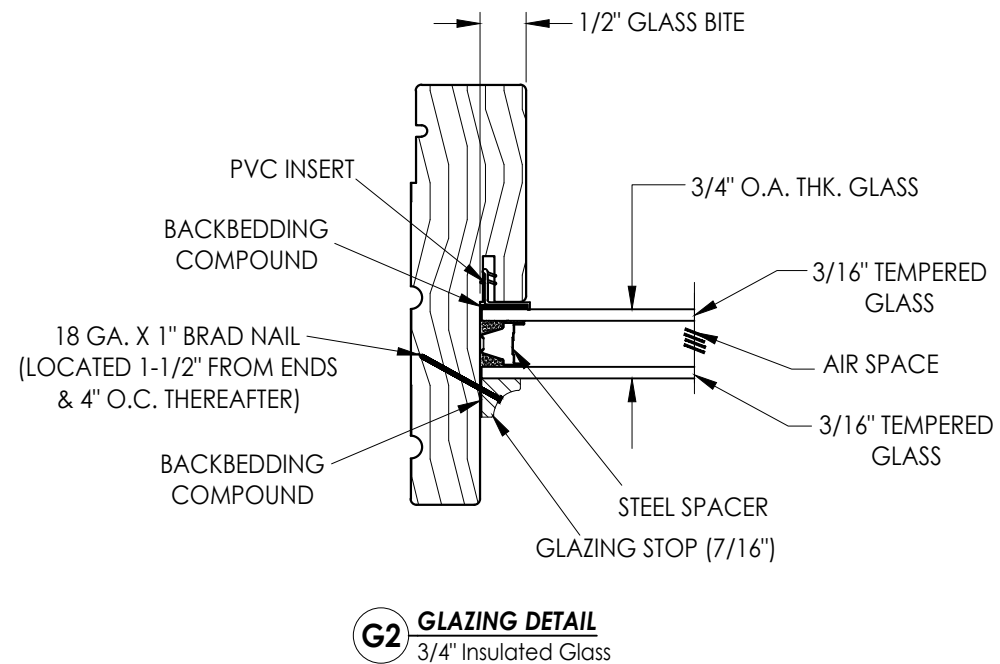
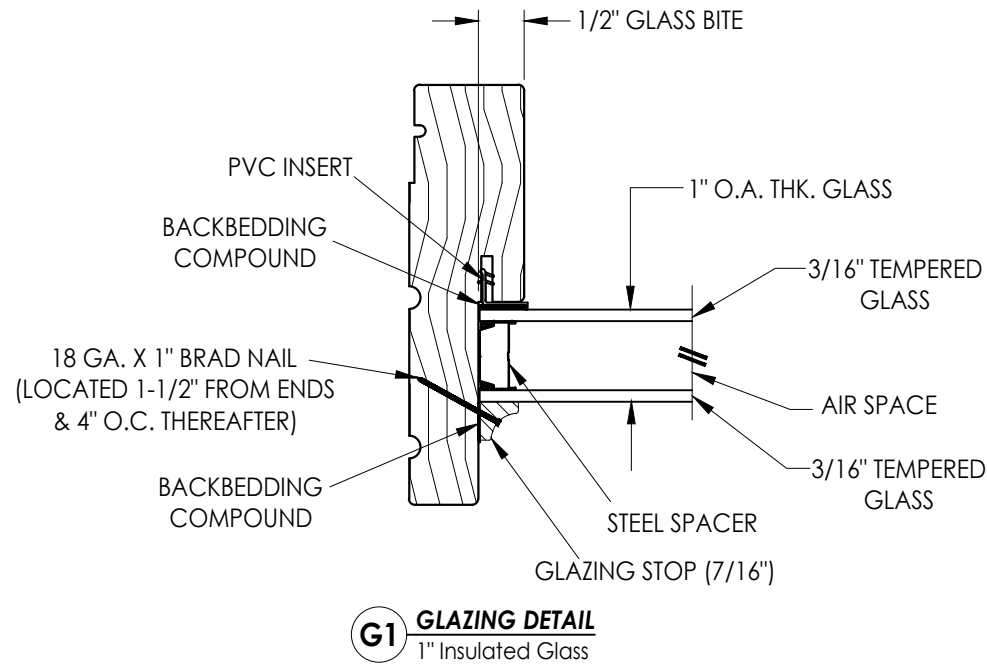
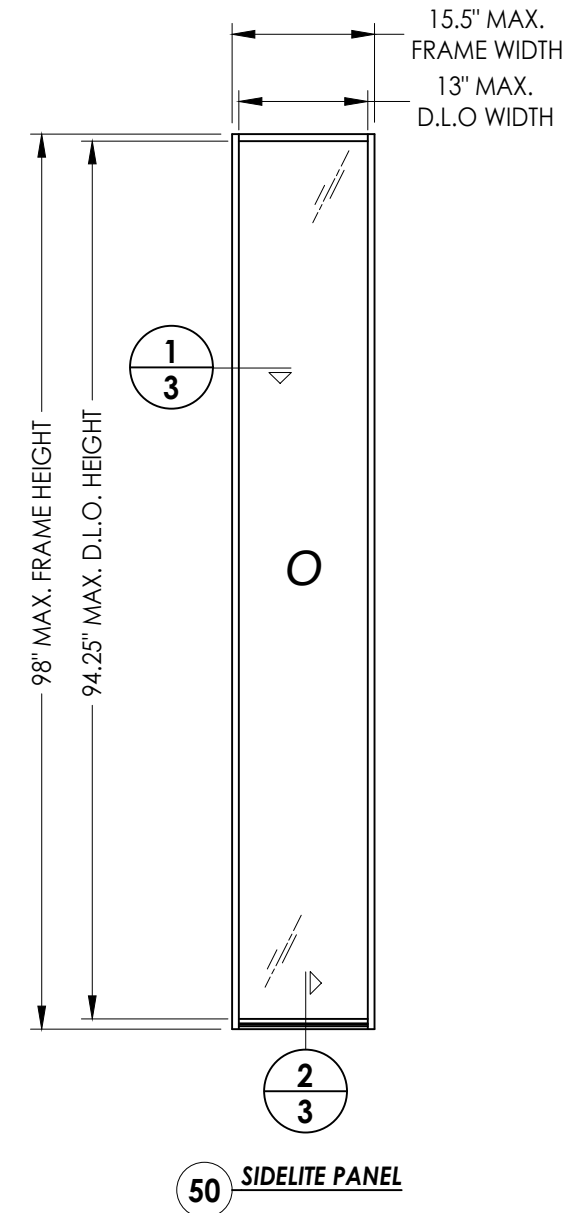
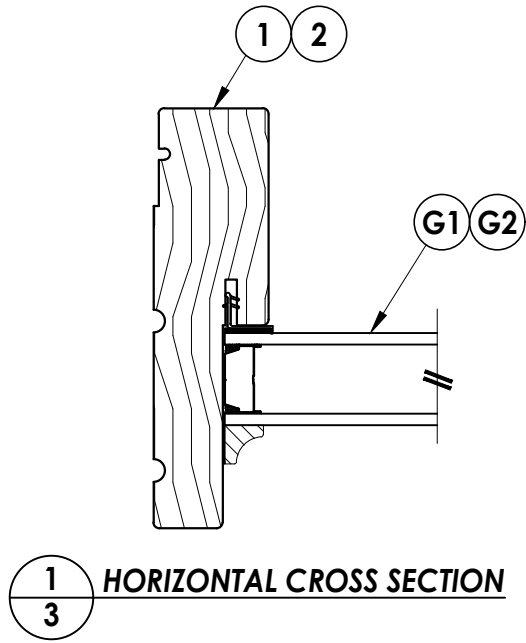
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CHK. BY: LFS

DRAWING NO.: FL-35436.11

SHEET 2 OF 12

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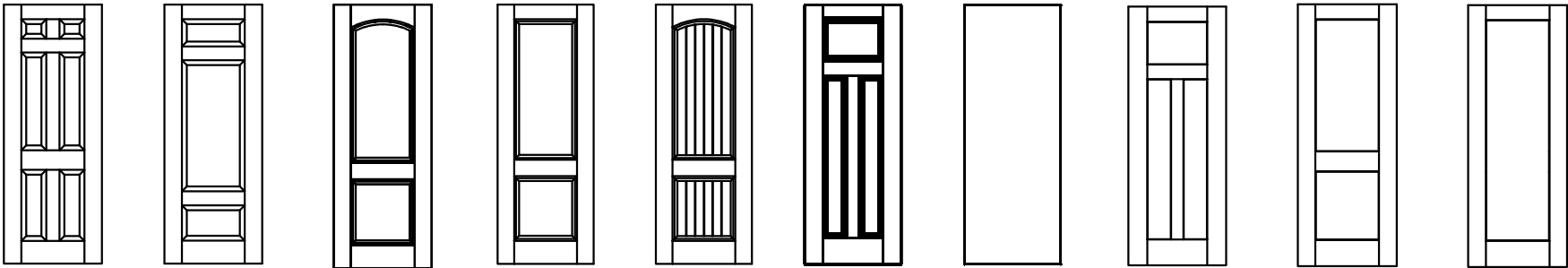


PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
NO.	DATE	UPDATE TO 8TH ED. (2023)	LFS
			BY
1	7/24/23	7/24/23	FBC
REVISIONS			
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.11			
SHEET 3 OF 12			

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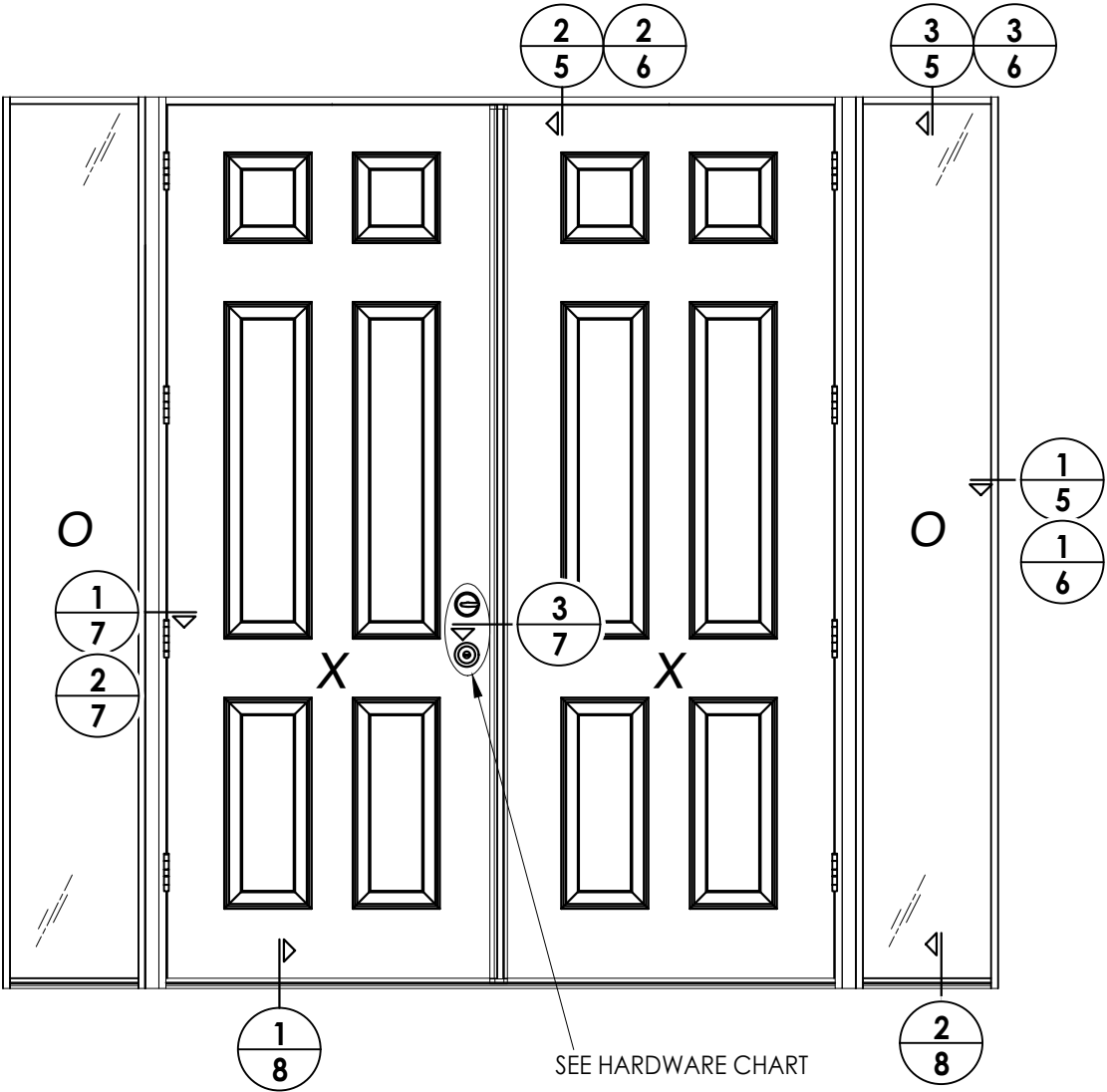
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Fiber-Classic/Smooth-Star Door Panel Options

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)

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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-35436.11

SHEET 4 of 12

REVISIONS

NO.	DATE	DESCRIPTION
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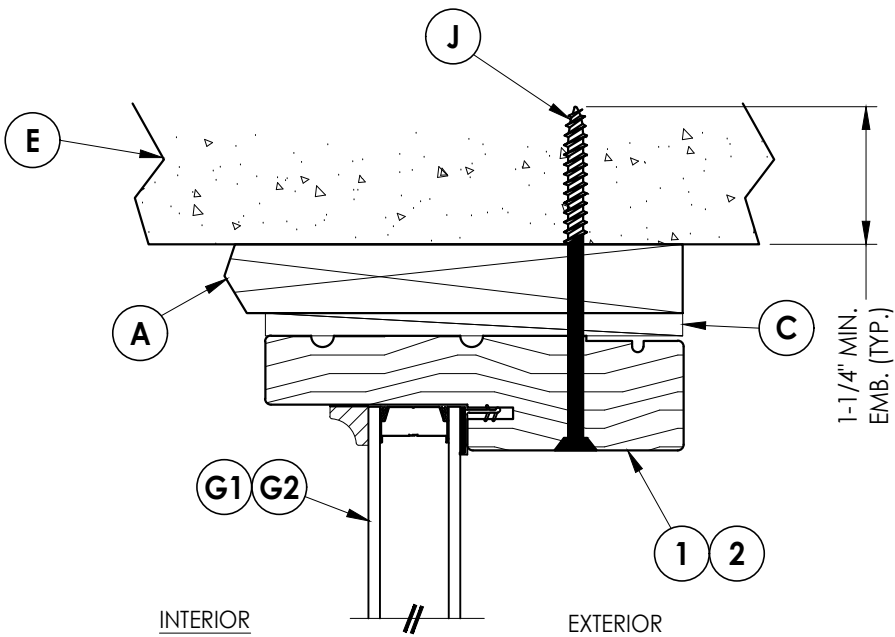
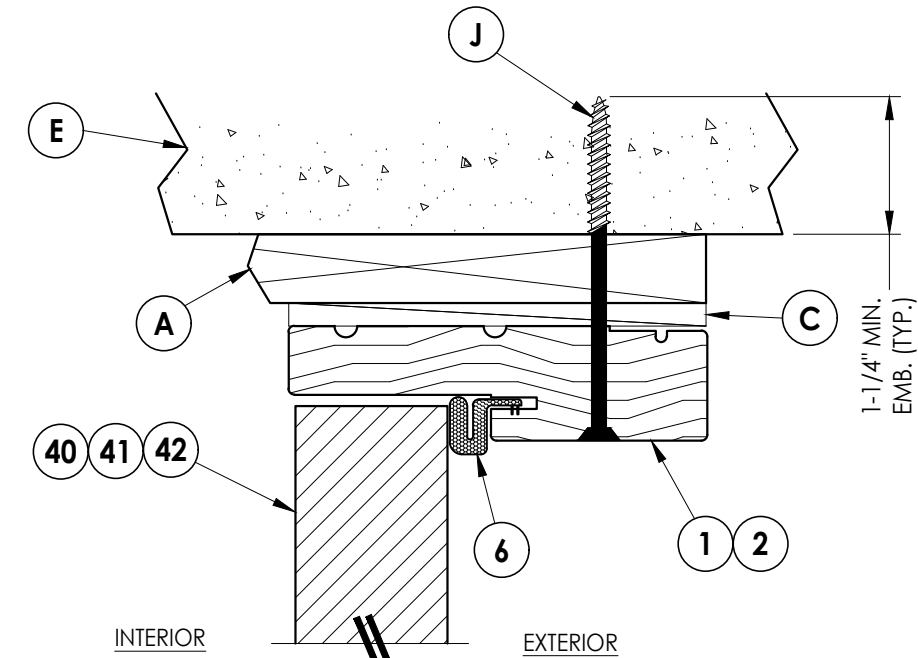
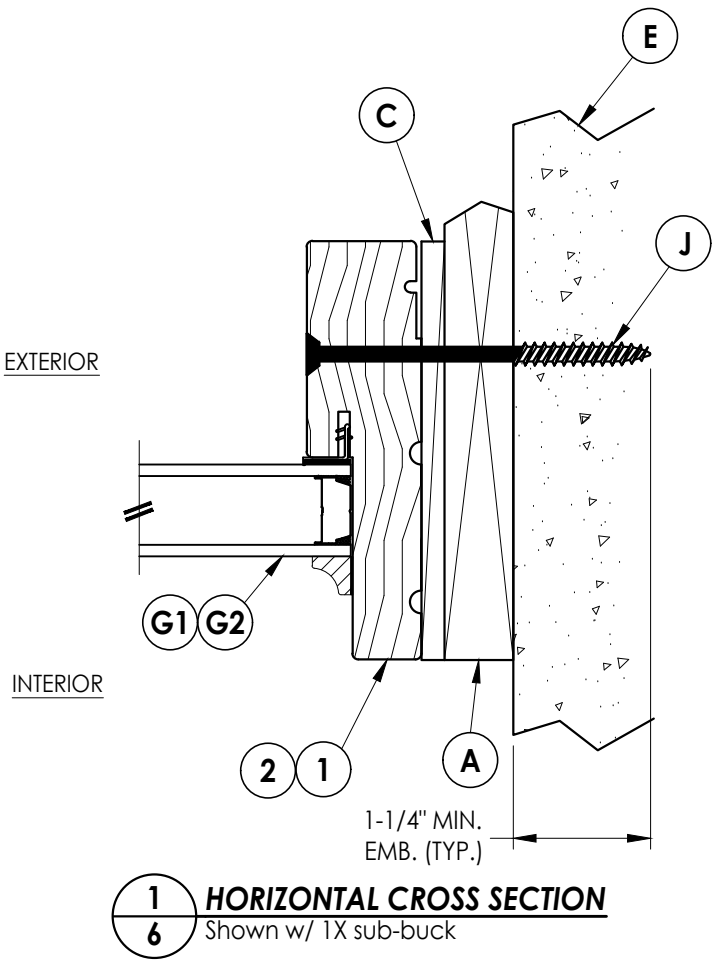
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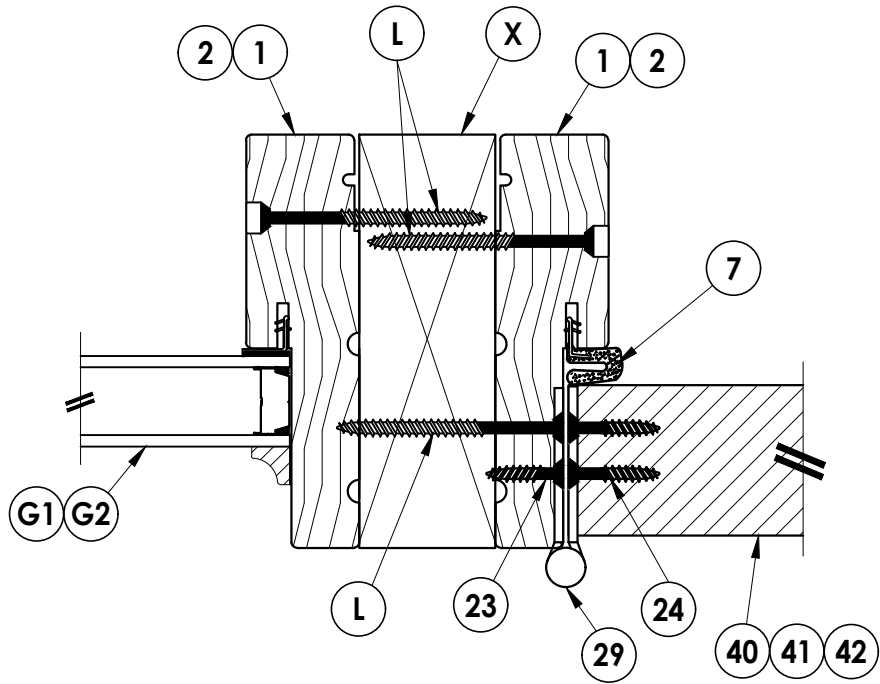


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SCALE: N.T.S.
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CHK. BY: LFS
DRAWING NO.: FL-35436.11
SHEET 6 OF 12

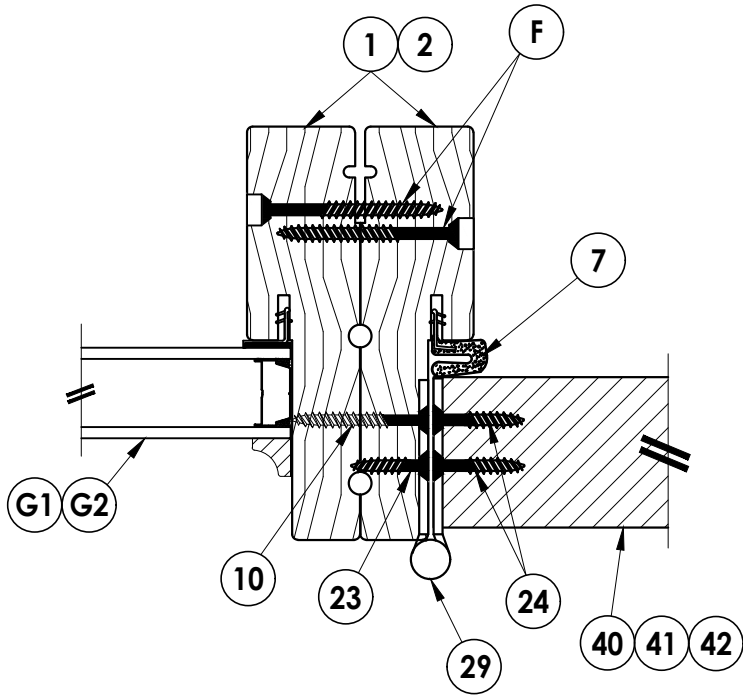
PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

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

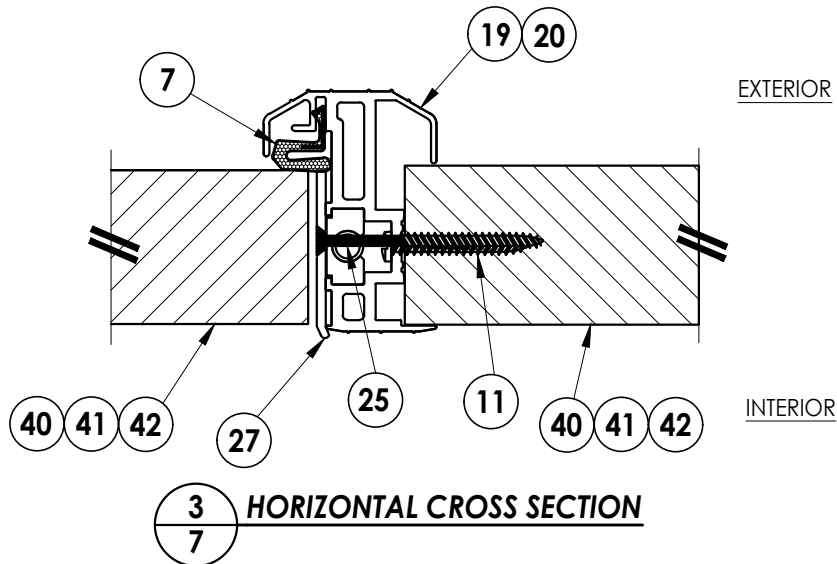
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1 **HORIZONTAL CROSS SECTION**
7 Shown w/ 2X Reinforcement



2 **HORIZONTAL CROSS SECTION**
7 Shown w/ Back-to-Back Jamb



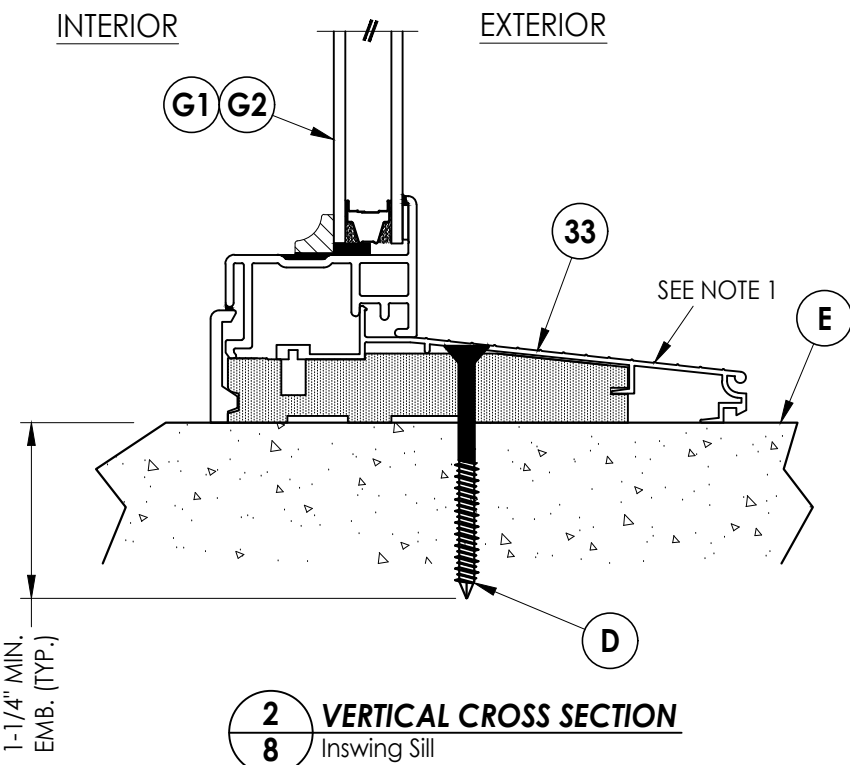
3 HORIZONTAL CROSS SECTION
7

[illegible]

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

[illegible]

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OXXO

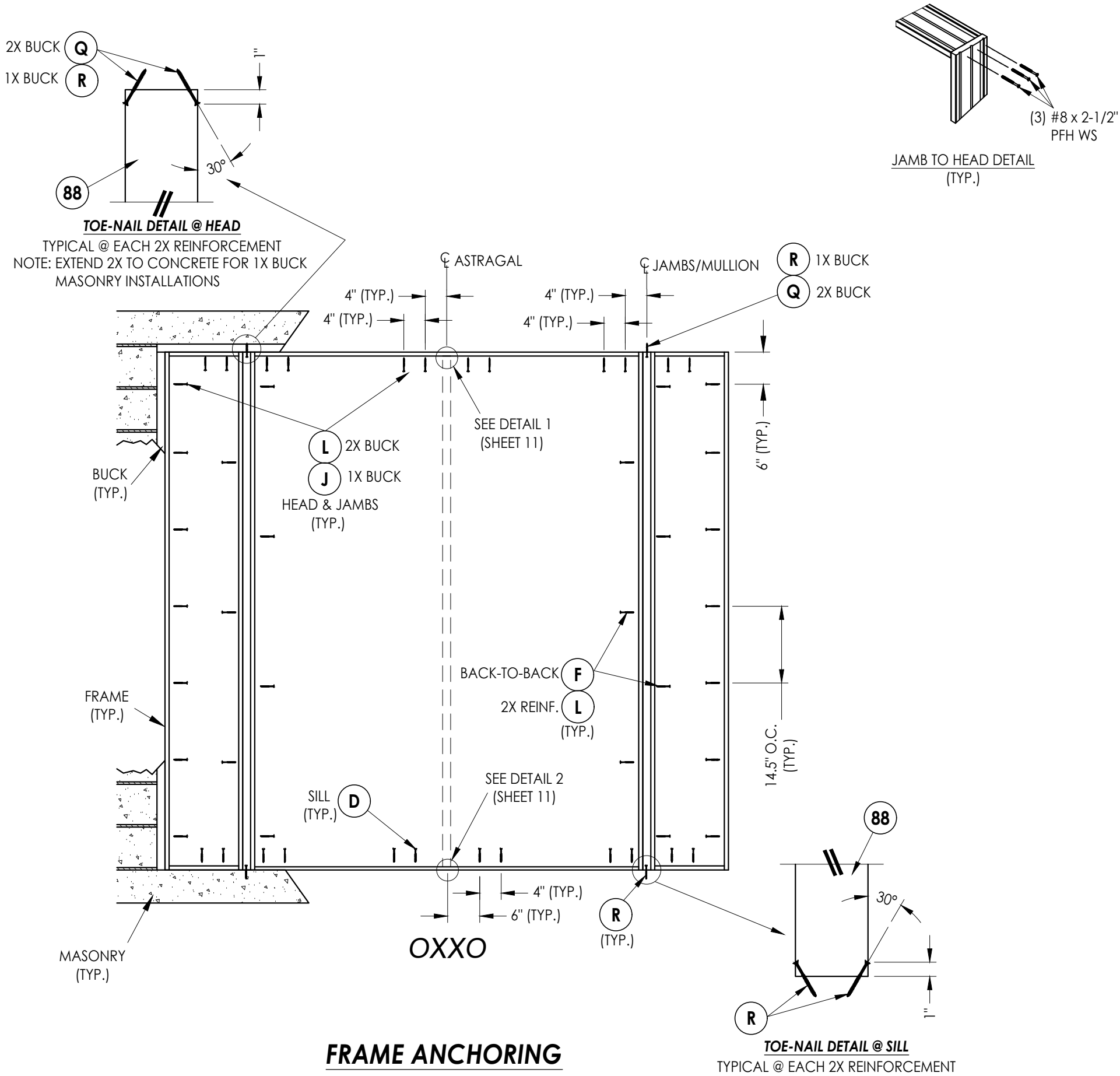
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THERMA-TRU
FIBERGLASS DOOR

BUCK ANCHORING

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
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		LFS
		BY

DATE: 12/10/20

SCALE: N.T.S.

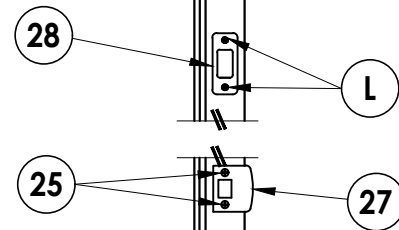
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CHK. BY: LFS

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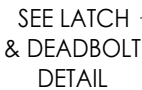
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SHEET 10 OF 12

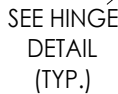


LATCH & DEADBOLT DETAIL

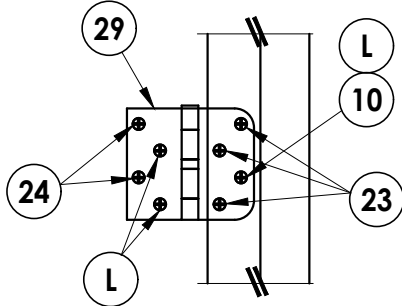
Schlage / Kwikset



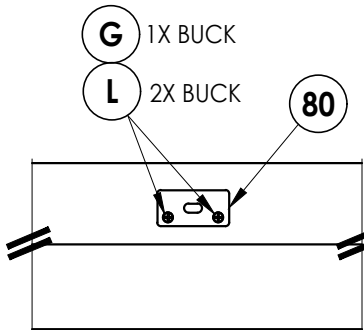
ASTRAGAL
Latch & Deadbolt



HINGE JAMB



HINGE DETAIL



DETAIL 1
Coastal Astragal Strike Plate @ Head



80 **DETAIL 2** **N**
Inswing
Coastal Astragal Strike Plate @ Sill

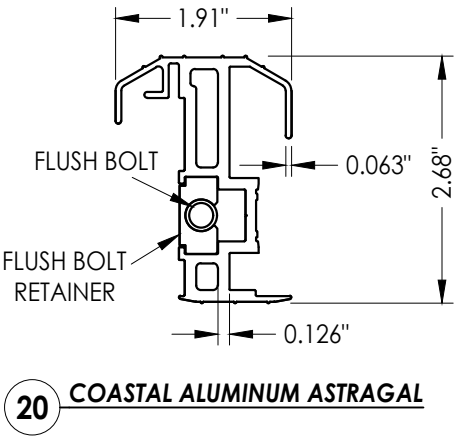
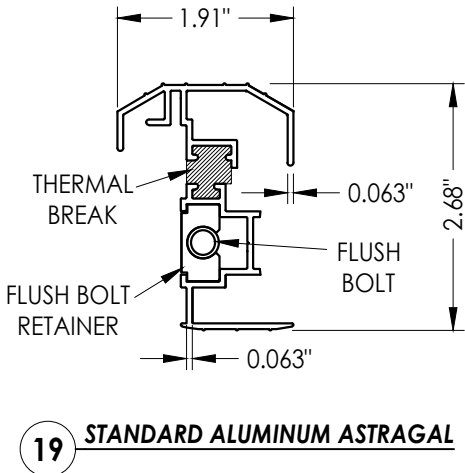
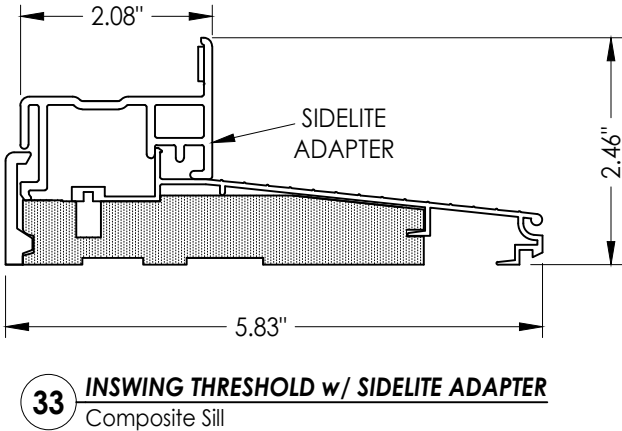
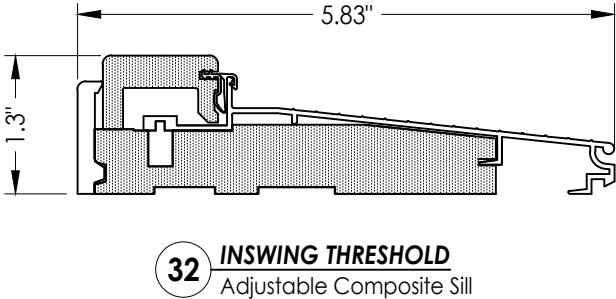
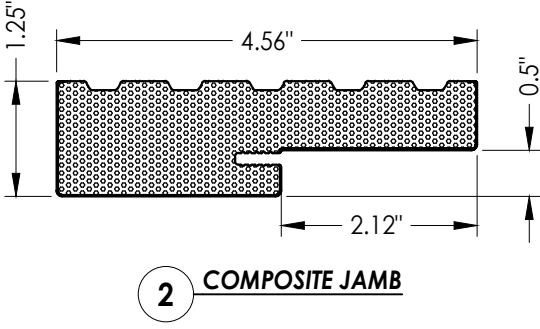
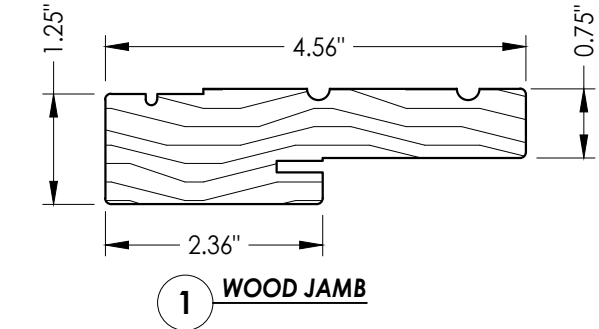
LATCH & DEADBOLT STRIKE DETAILS

[illegible]

Documents Prepared By:
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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
20	COASTAL 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



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	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:
Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

[illegible]