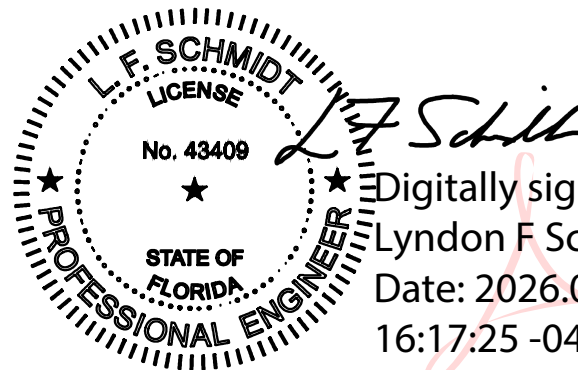


GENERAL NOTES

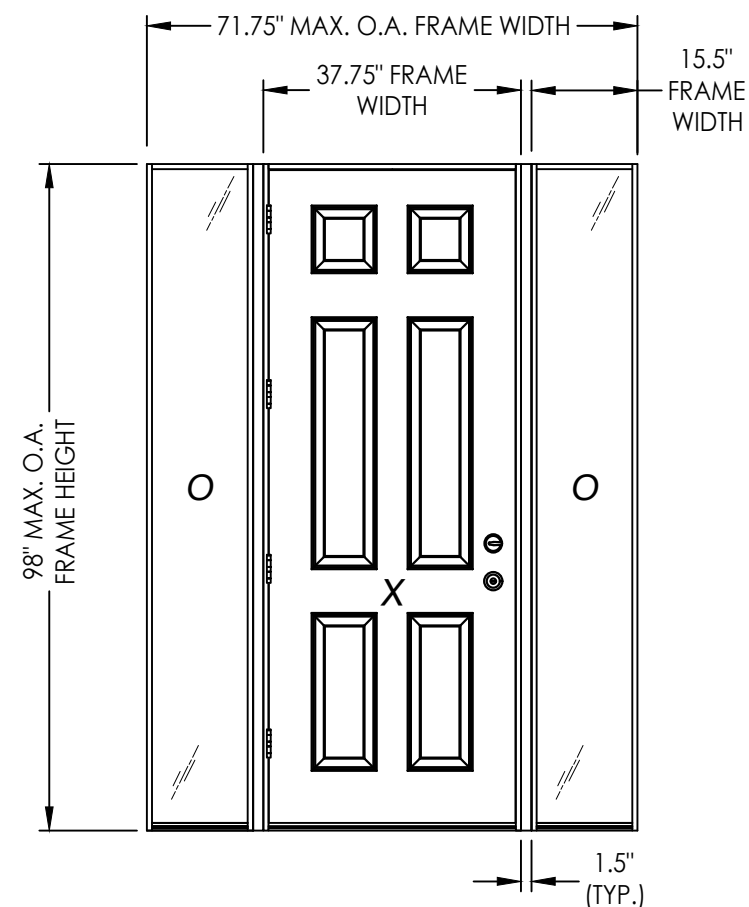
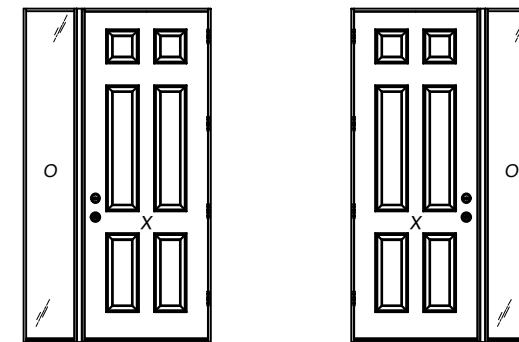
1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 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	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)		



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	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

[illegible]

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.

Exterior View: Shows the hinge stile (engineered wood) and the composite cap. Dimensions include 0.4" for the hinge stile width, 0.7" for the hinge stile depth, and 1.7" for the hinge stile height.

Interior View: Shows the lock stile (engineered wood) and the composite cap. Dimensions include 3.6" for the lock stile width and 0.4" for the lock stile depth.

The diagrams illustrate the layout and dimensions for three different door panel configurations:

- 40 DOOR PANEL BOOK:** Shows a 2x2 grid of panels. The top panels are labeled with a circle containing $\frac{3}{2}$. The bottom panels are labeled with a circle containing $\frac{1}{2}$. The overall height is 95.25" MAX. DOOR PANEL HEIGHT. The overall width is 36.0" MAX. DOOR PANEL WIDTH. A center point 'X' is marked at the intersection of the panels. A 60" dimension is shown for the top panels, and a 5.5" dimension is shown for the bottom panels.
- 41 DOOR PANEL Hybrid Door:** Shows a 2x2 grid of panels. The top panels are labeled with a circle containing $\frac{3}{2}$. The bottom panels are labeled with a circle containing $\frac{2}{2}$. The overall height is 95.25" MAX. DOOR PANEL HEIGHT. The overall width is 35.813" MAX. DOOR PANEL WIDTH. A center point 'X' is marked at the intersection of the panels. A 60" dimension is shown for the top panels, and a 5.5" dimension is shown for the bottom panels.
- 42 DOOR PANEL U1 Door:** Shows a 2x2 grid of panels. The top panels are labeled with a circle containing $\frac{4}{2}$. The bottom panels are labeled with a circle containing $\frac{2}{2}$. The overall height is 95.06" MAX. DOOR PANEL HEIGHT. The overall width is 35.813" MAX. DOOR PANEL WIDTH. A center point 'X' is marked at the intersection of the panels. A 60" dimension is shown for the top panels, and a 5.5" dimension is shown for the bottom panels.

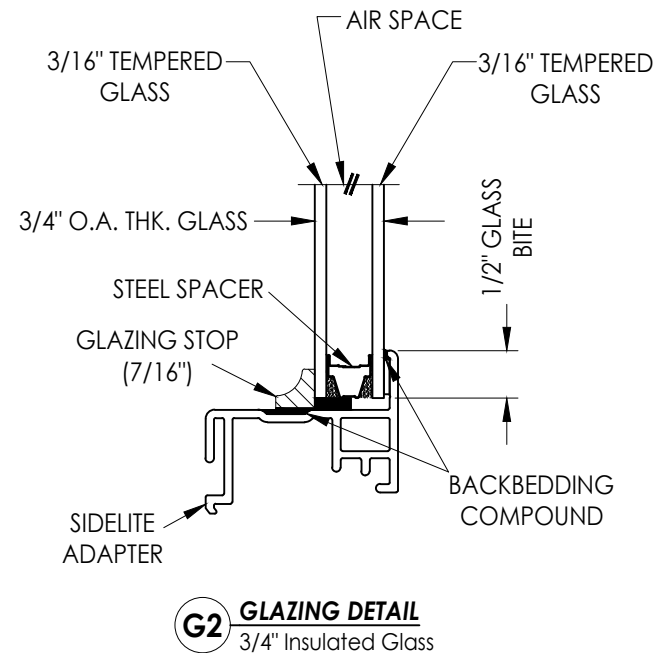
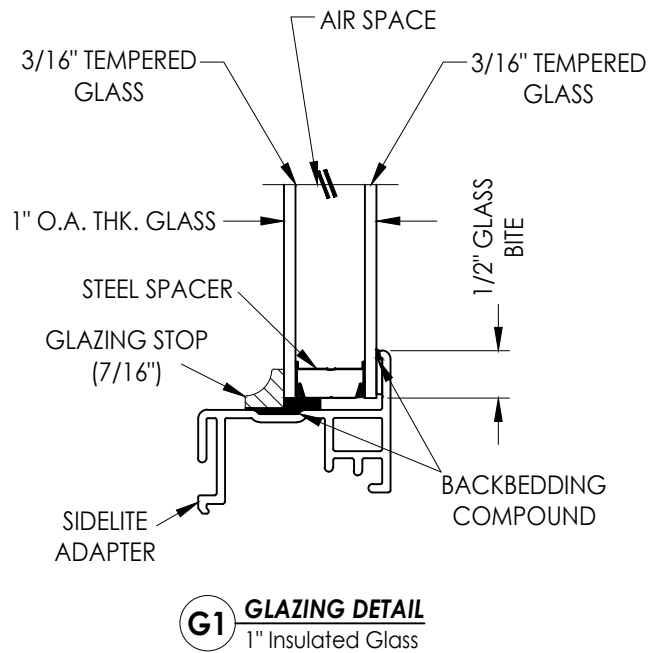
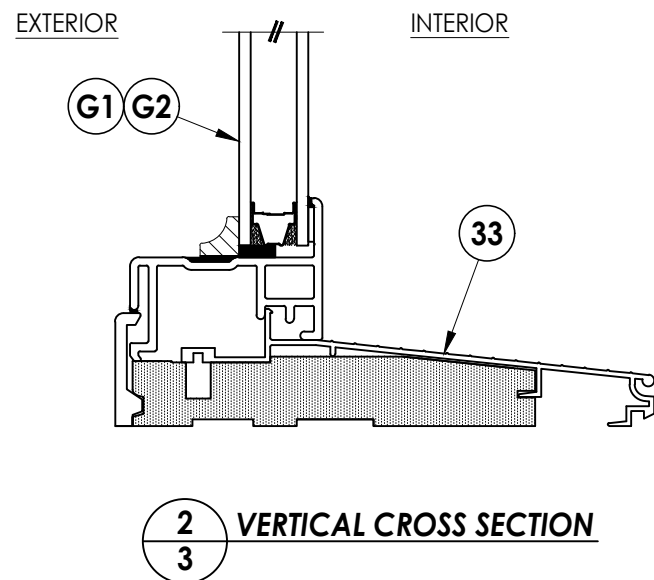
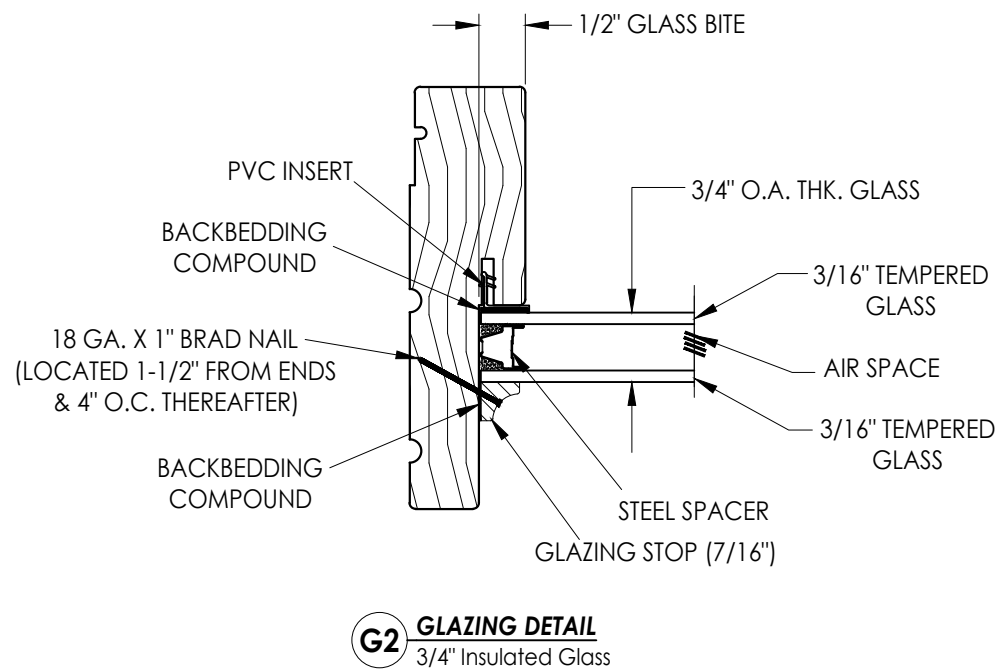
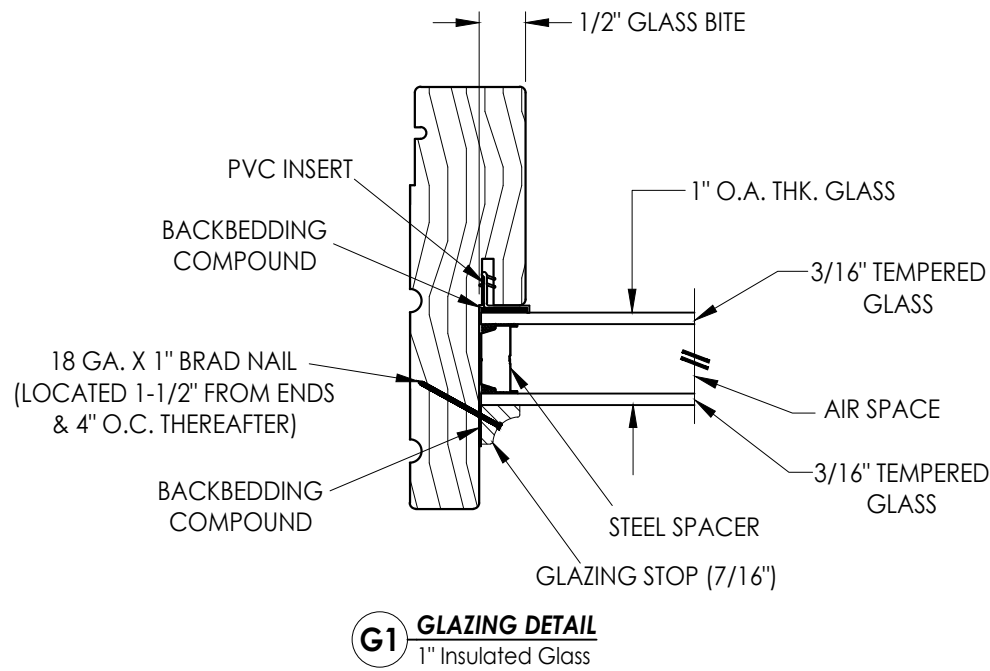
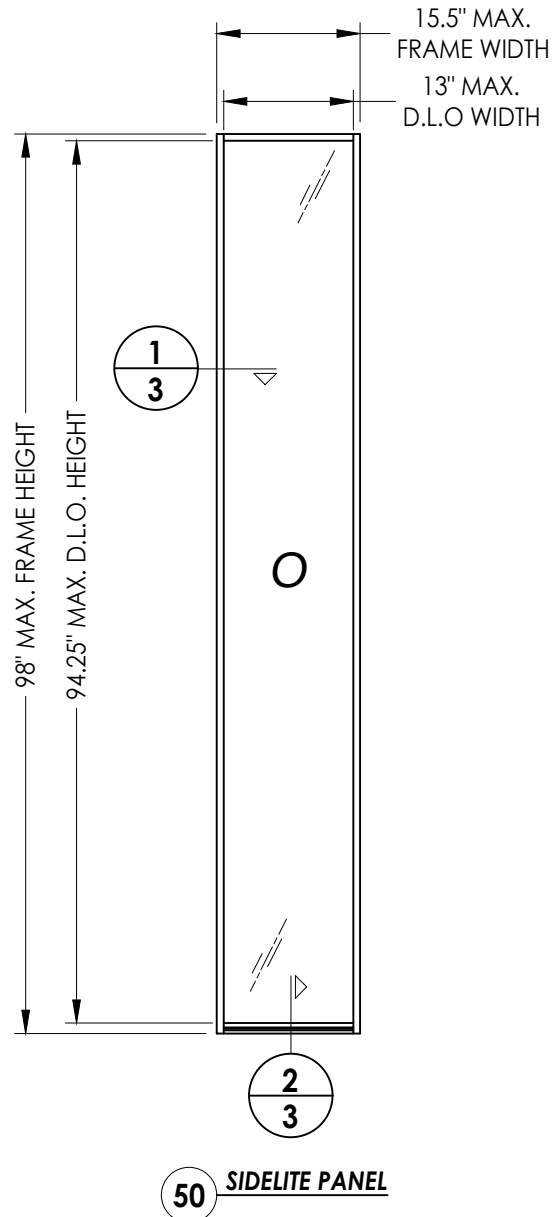
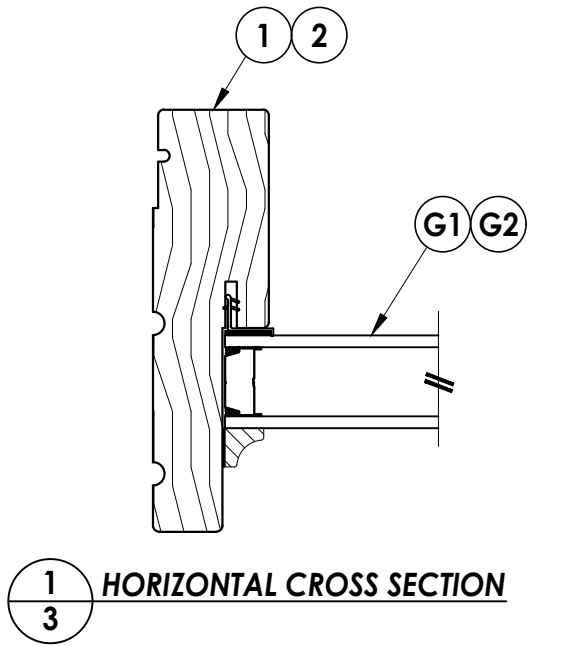
Technical drawings of the interior and exterior cross-sections of a composite railing system. The drawings show the following components and dimensions:

- Interior View (Left):**
 - Top Rail (Composite):** 0.83" thick.
 - Foam Core (Polyurethane - 1.9 PCF Min.):** The main body of the railing.
 - Fiberglass Skin (0.082" Thk.):** The outer layer of the railing.
 - Bottom Rail (Comp.):** The base of the railing.
 - Dimensions:** 0.85" height for the main body, 1.7" width for the base.
- Exterior View (Right):**
 - Top Rail (Composite/Engineered Wood):** 0.83" thick.
 - Foam Core (Polyurethane - 1.9 PCF Min.):** The main body of the railing.
 - Fiberglass Skin (0.082" Thk.):** The outer layer of the railing.
 - Bottom Rail (Comp.):** The base of the railing.
 - Dimensions:** 0.85" height for the main body, 1.7" width for the base.

4 2 VERTICAL CROSS SECTION COMPOSITE EDGE

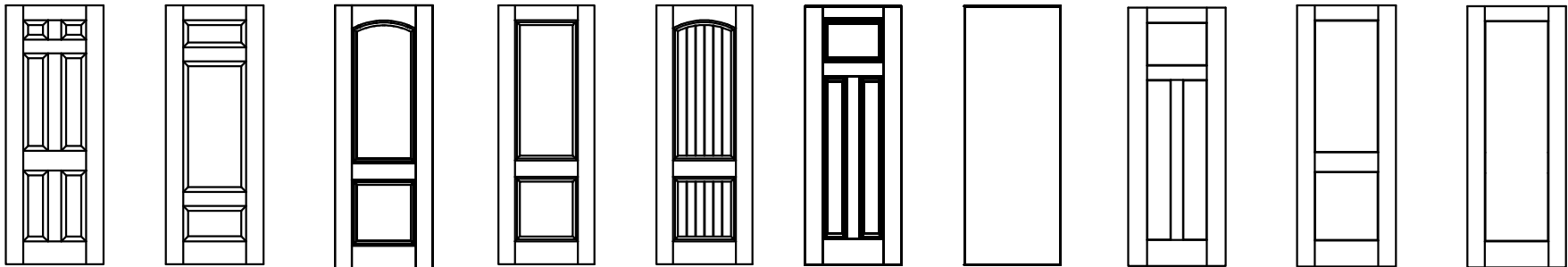
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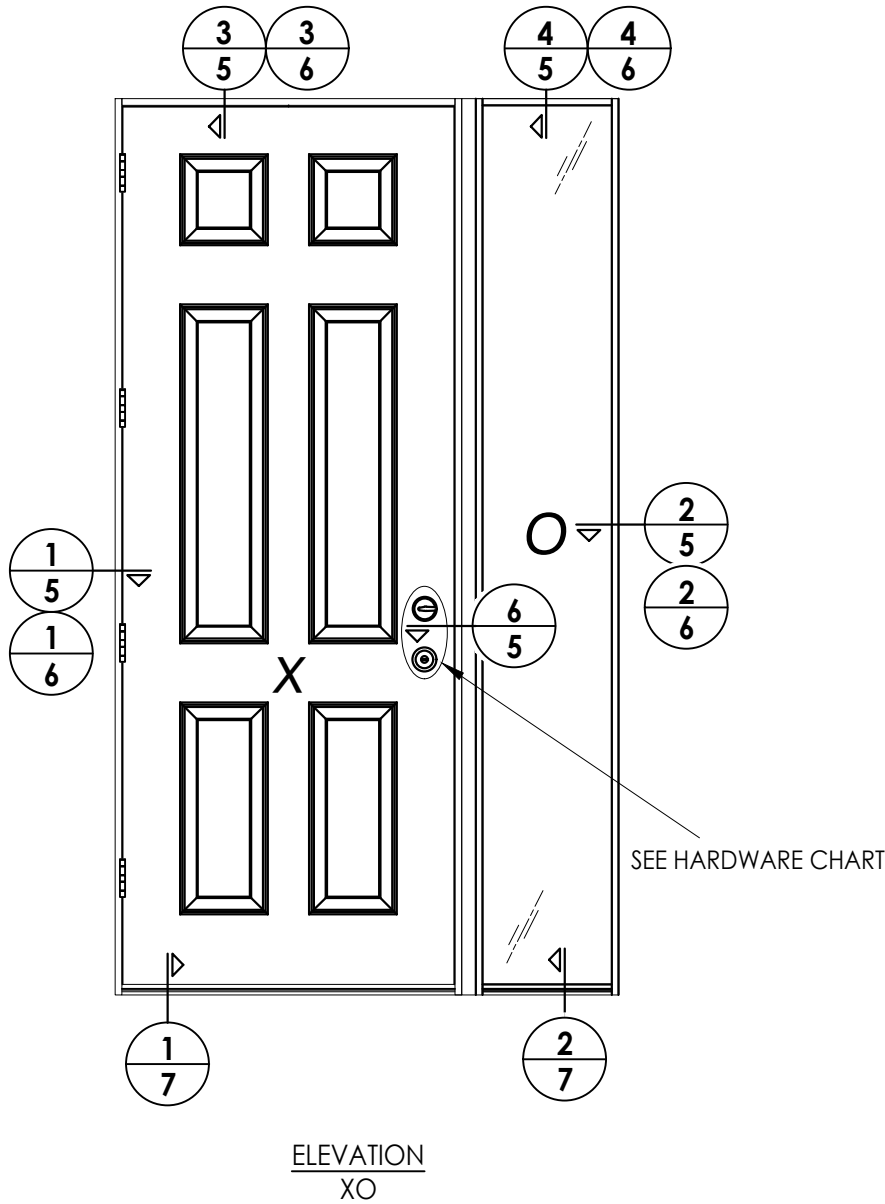
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: SIDELITE PANEL DETAILS	
		LFS	BY
		UPDATE TO 9TH ED. (2026) FBC	
		UPDATE TO 8TH ED. (2023) FBC	
		NO.	DATE
		REVISIONS	
		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-35436.9			
SHEET 3 OF 11			

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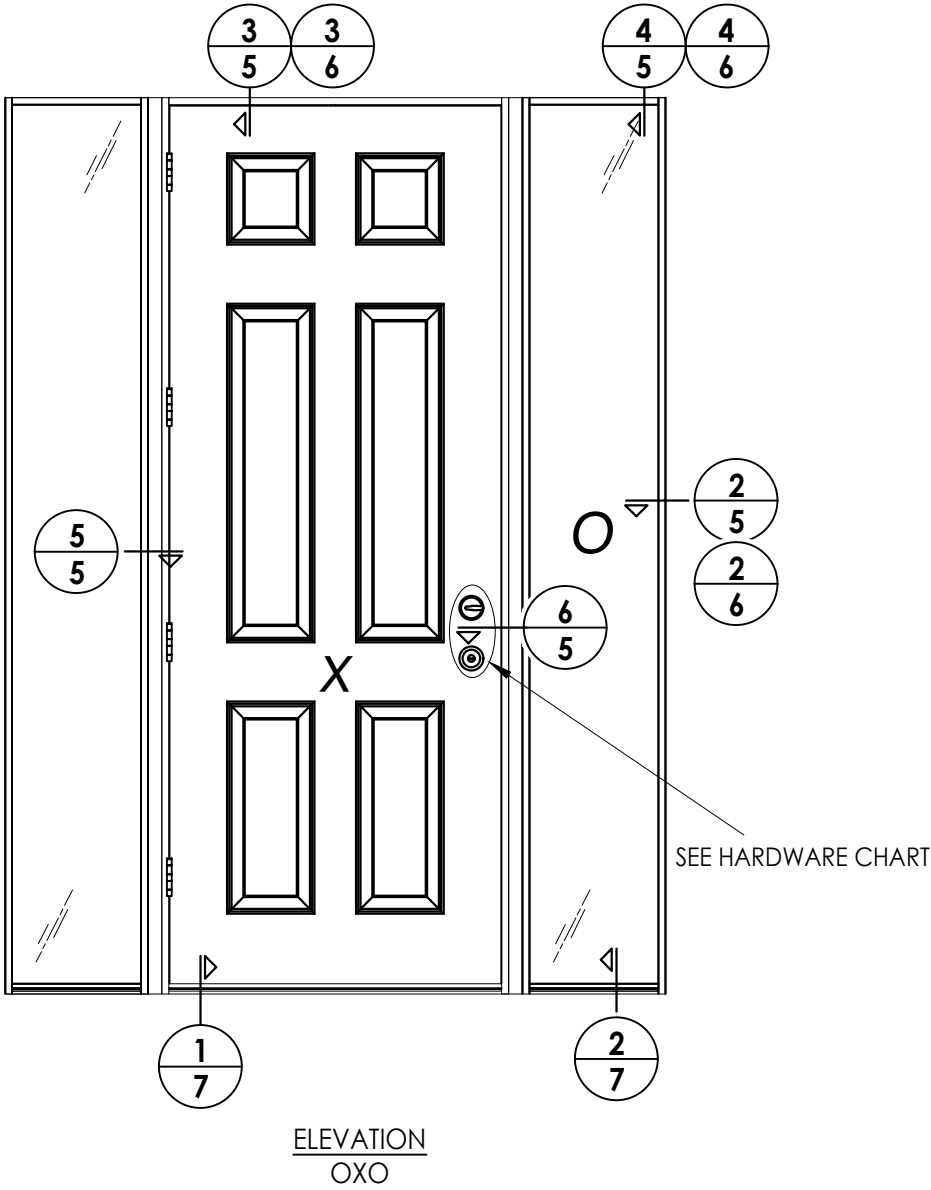


Fiber-Classic/Smooth-Star Door Panel Options

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



ELEVATION
XO



ELEVATION
OXO

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

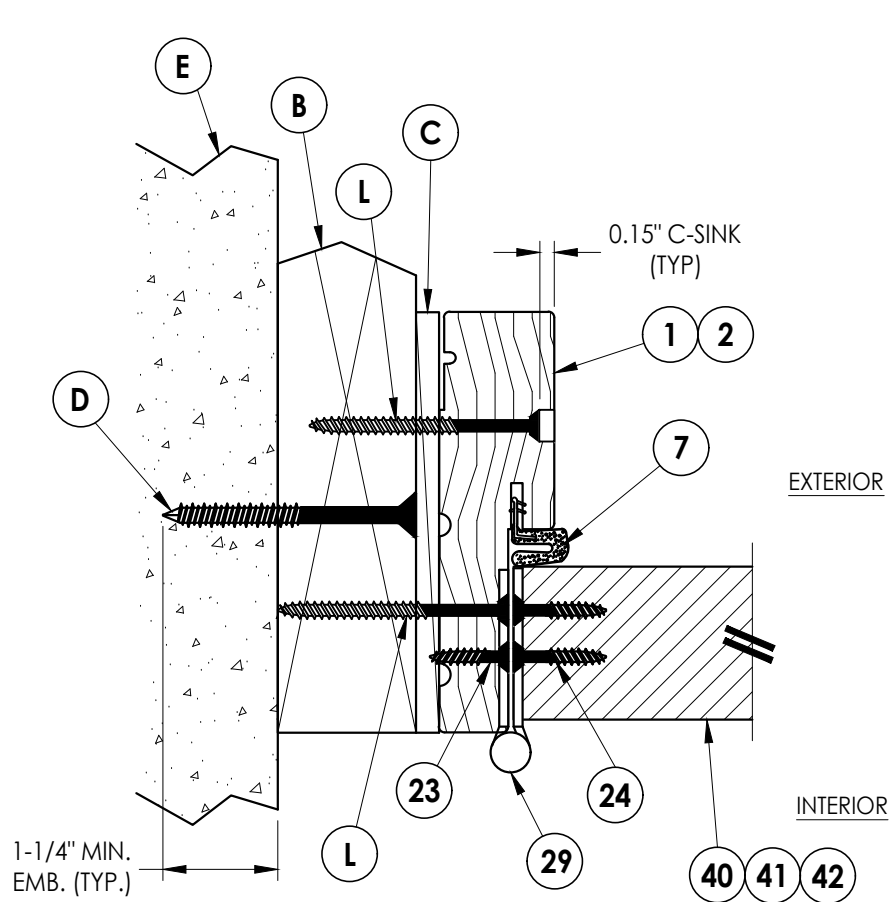
SHEET 4 OF 11

REVISIONS

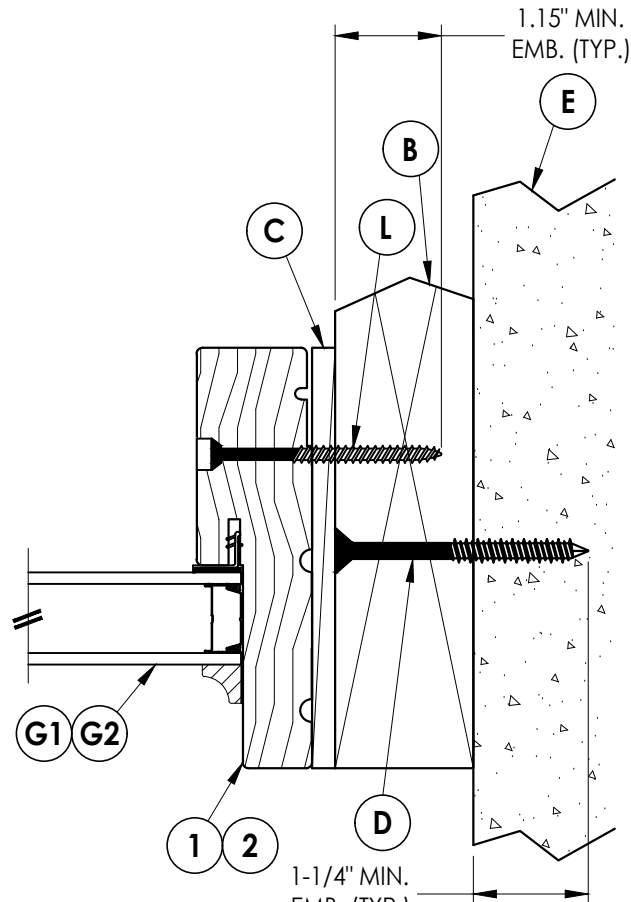
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1	7/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
NO.	DATE			BY

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

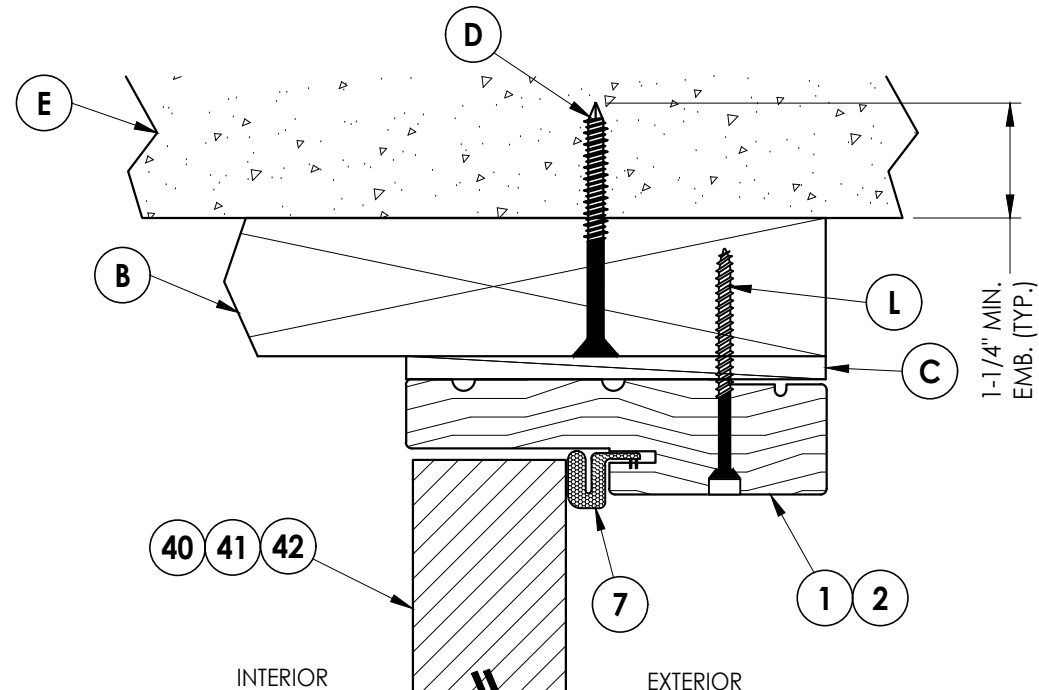
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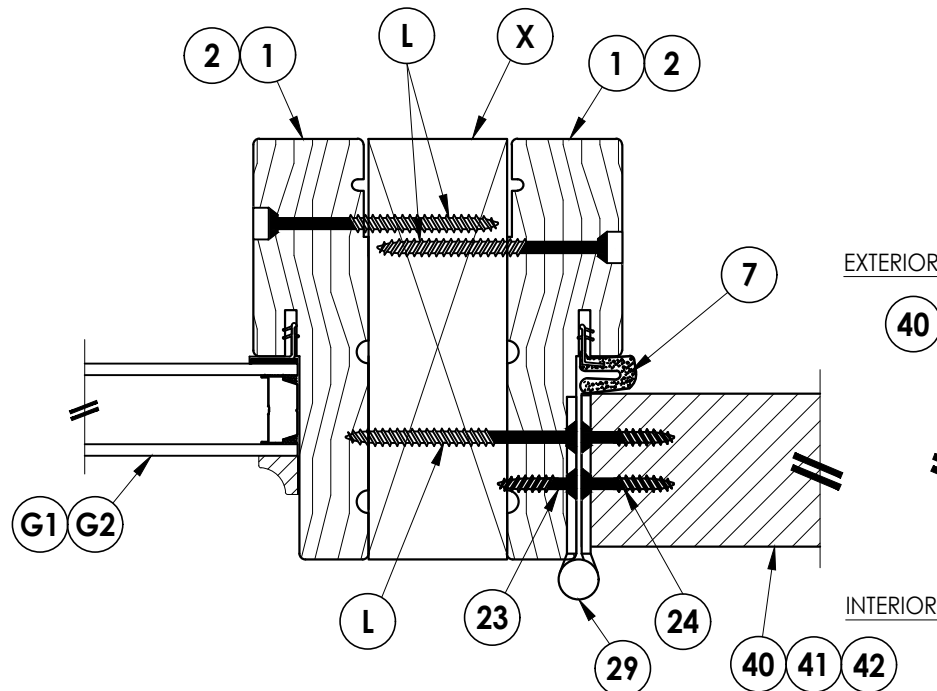
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5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck



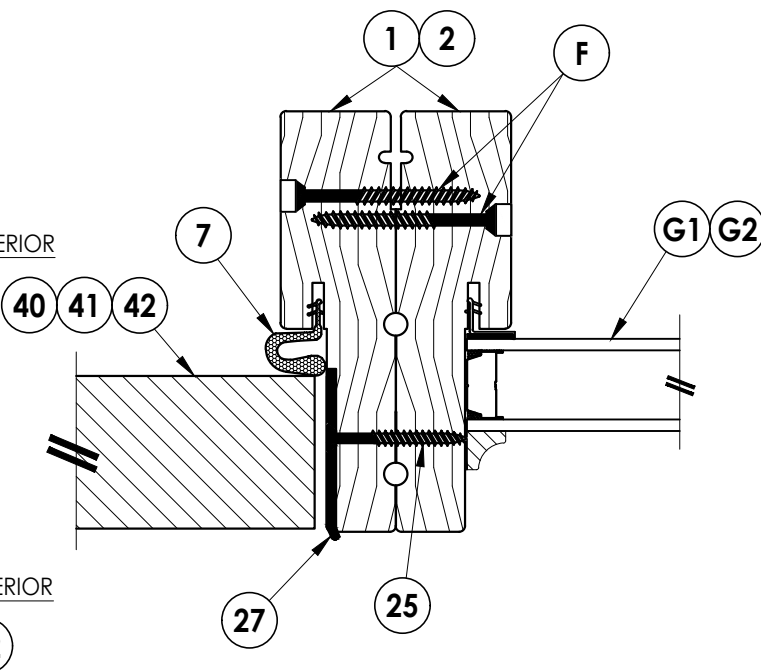
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Shown w/ 2X Buck



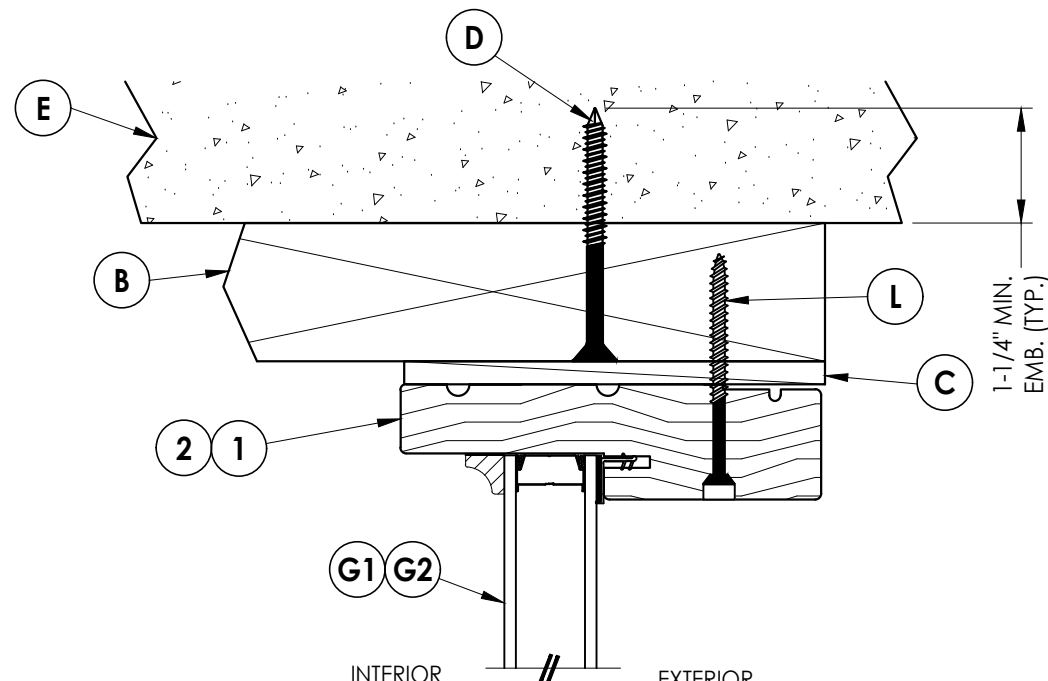
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5 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck



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:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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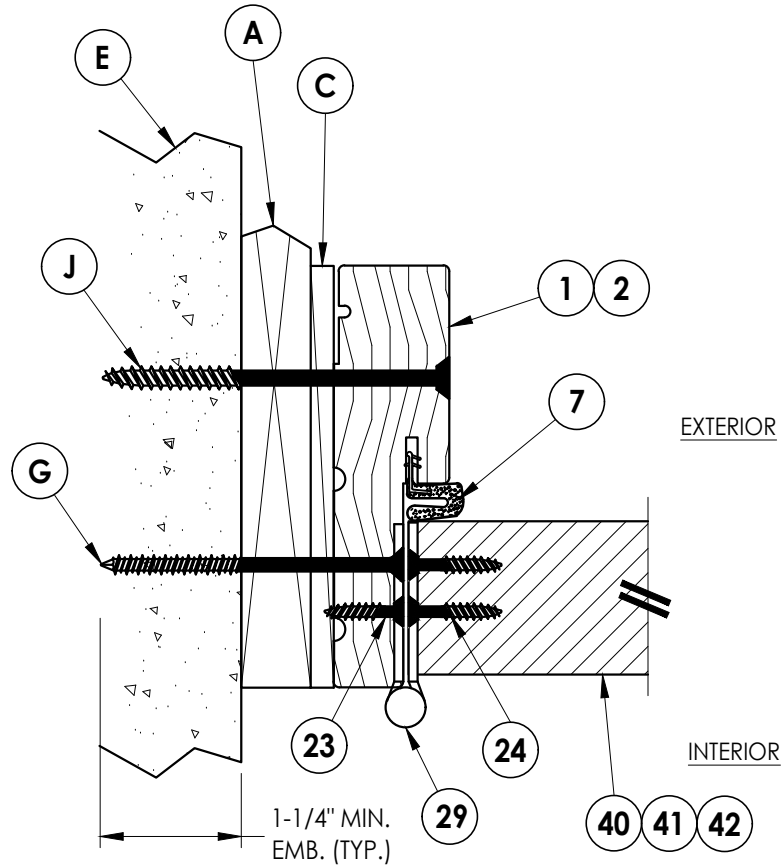
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

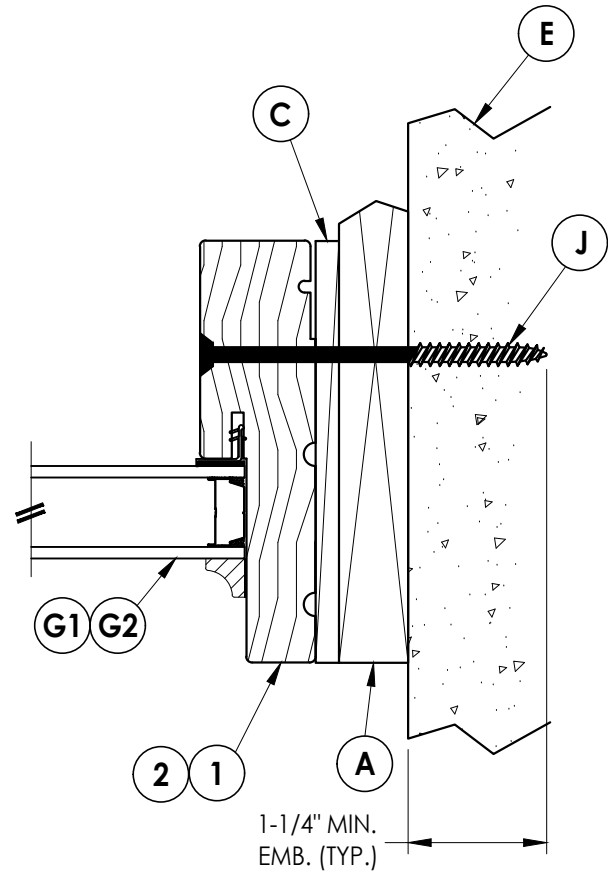
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1	7/24/23	UPDATE TO 8TH ED. (2023) FBC

DATE: 12/10/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-35436.9
SHEET 5 OF 11

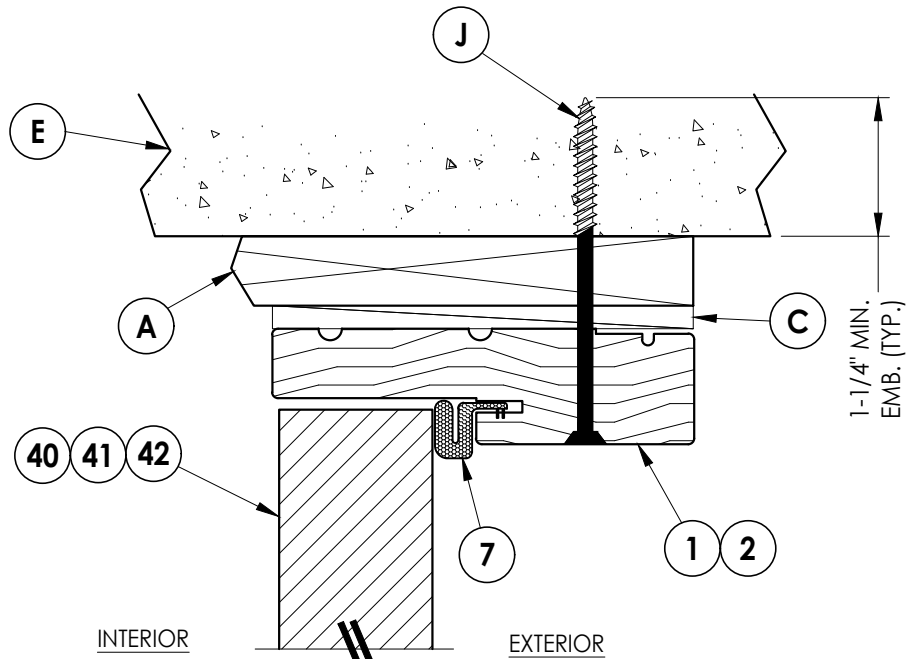
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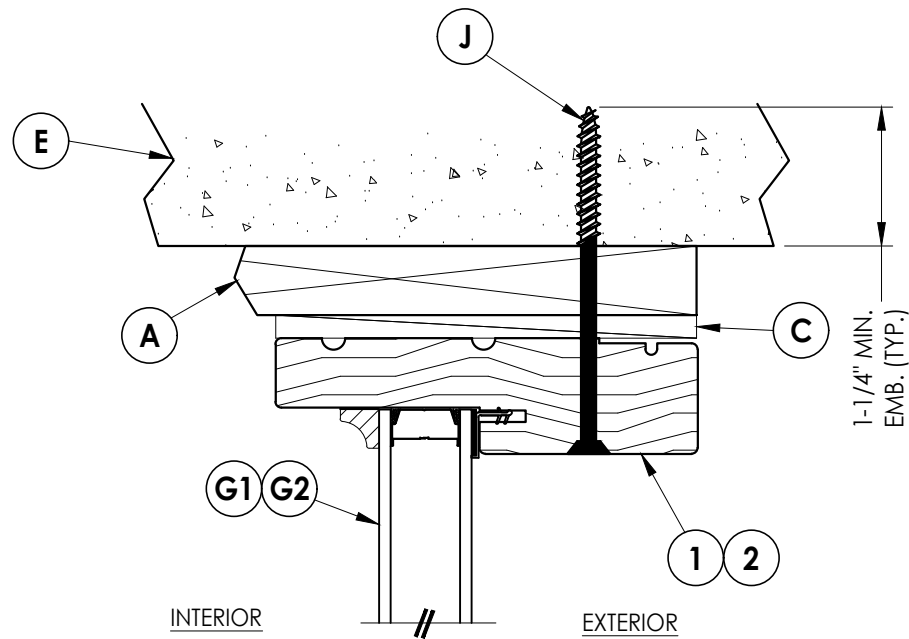
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6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck



2
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck



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



4
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck

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:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

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

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

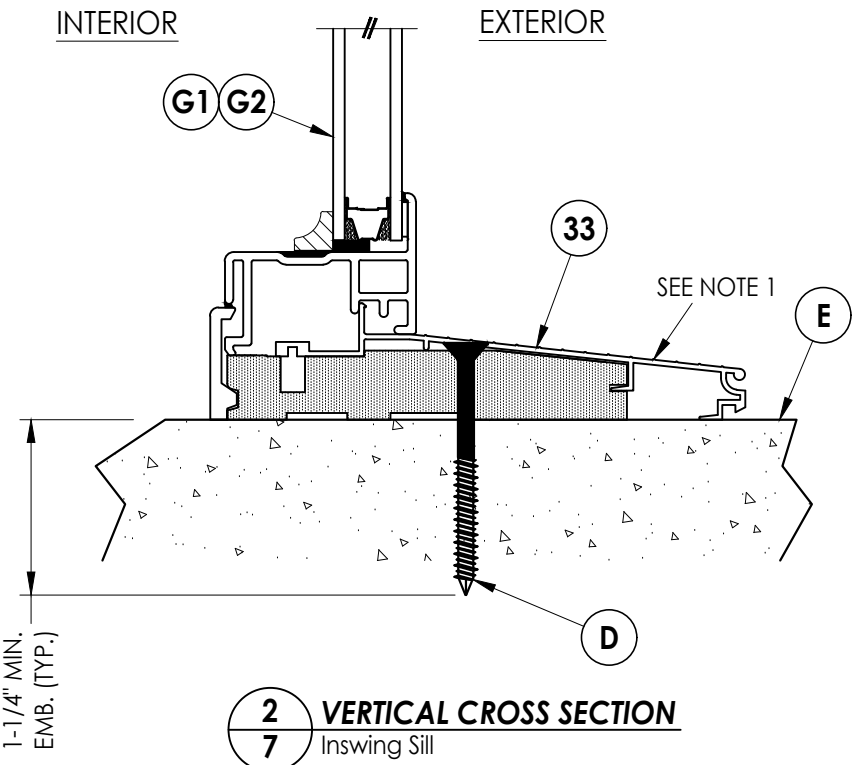
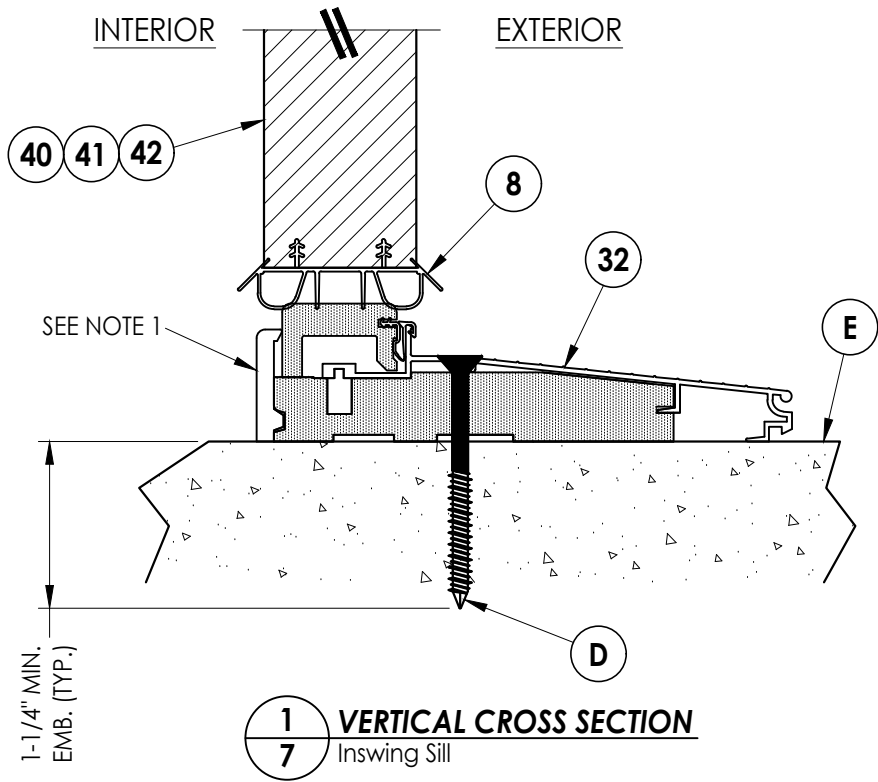
CHK. BY: LFS

DRAWING NO.:
FL-35436.9

SHEET 6 OF 11

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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.



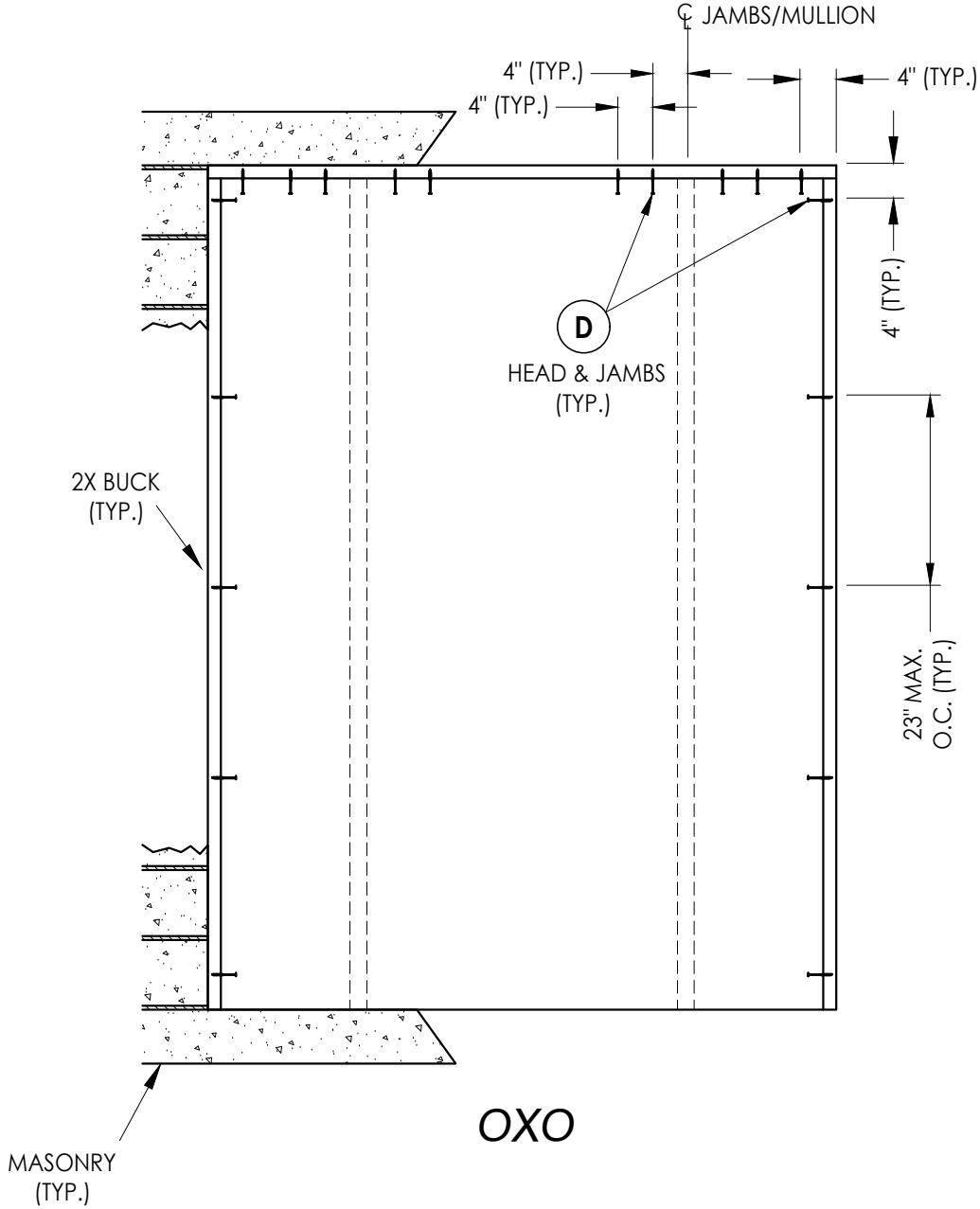
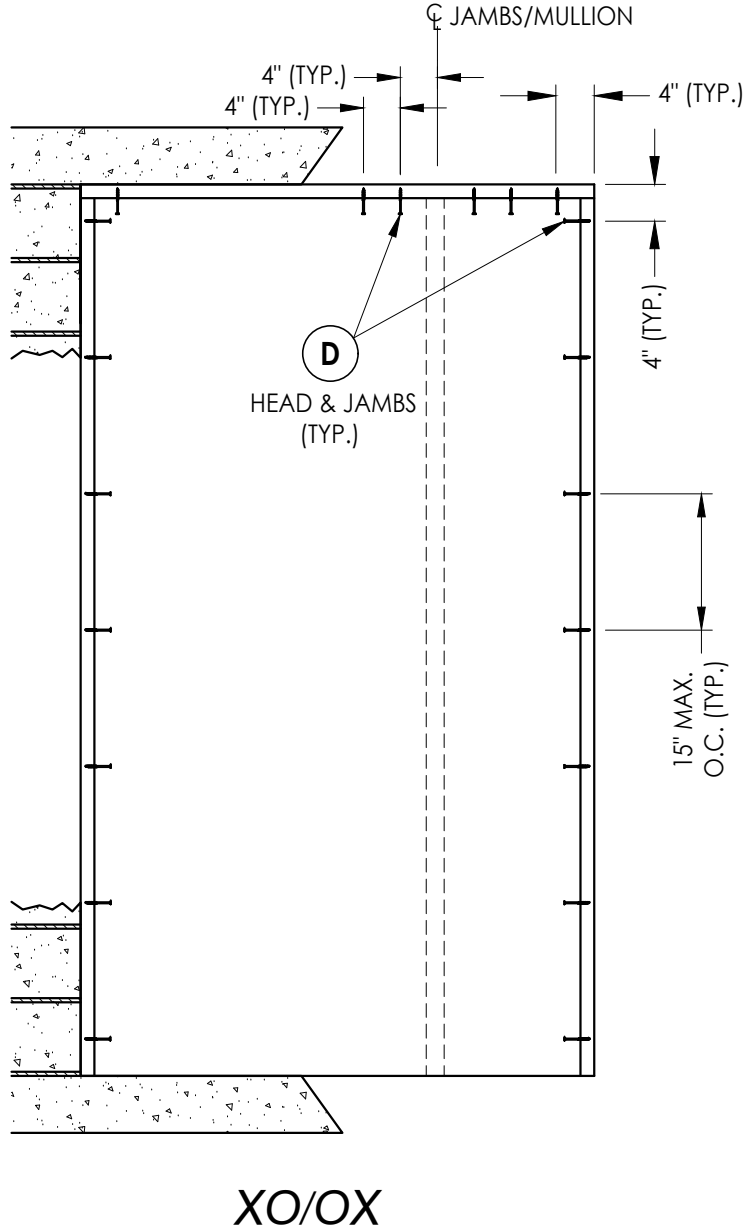
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SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-35436.9
SHEET 7 OF 11

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

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)

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



2X BUCK ANCHORING

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

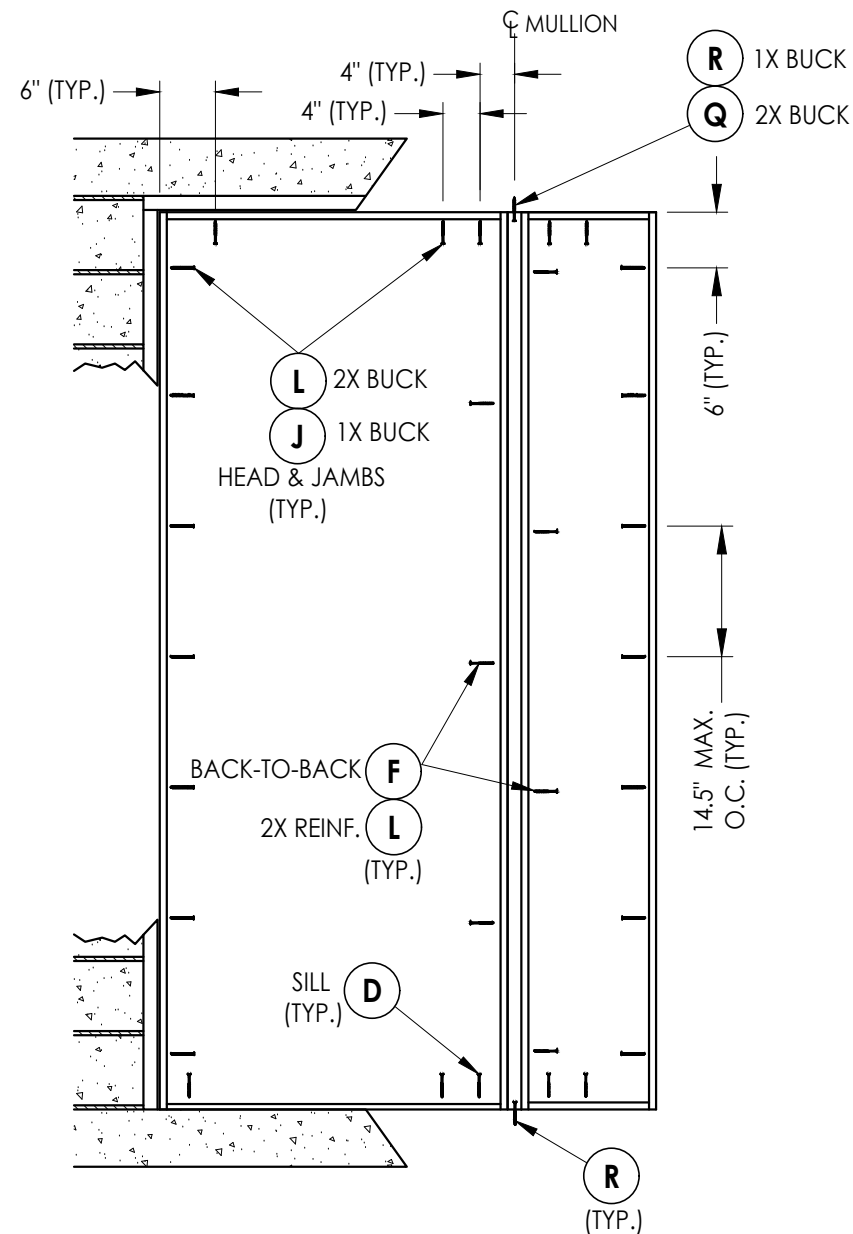
CHK. BY: LFS

DRAWING NO.: FL-35436.9

SHEET 8 OF 11

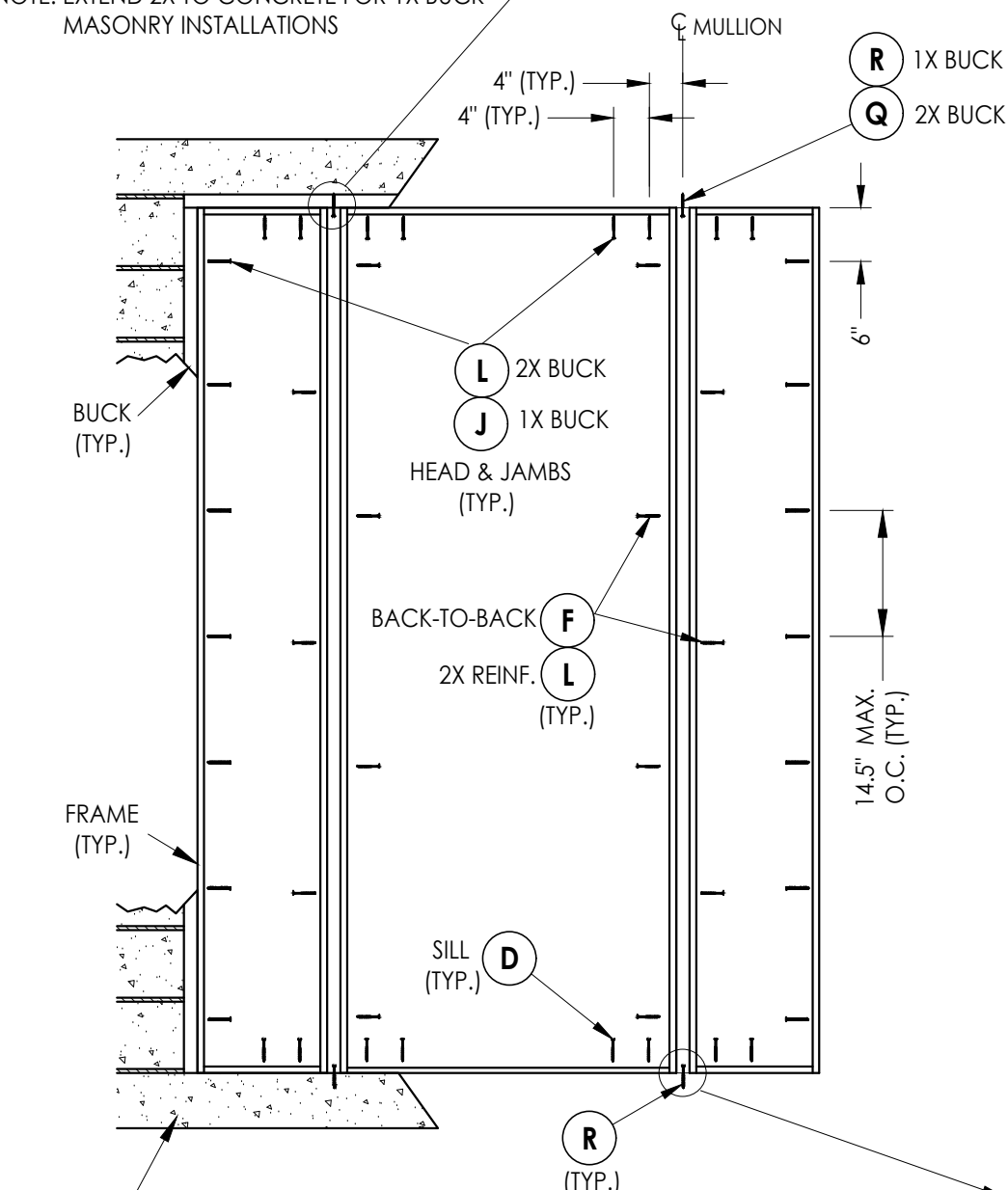
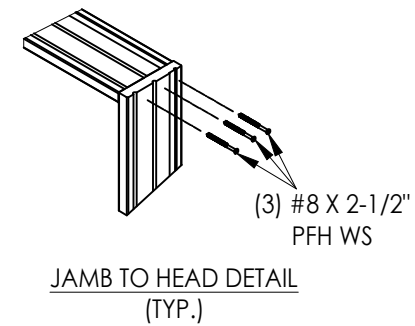
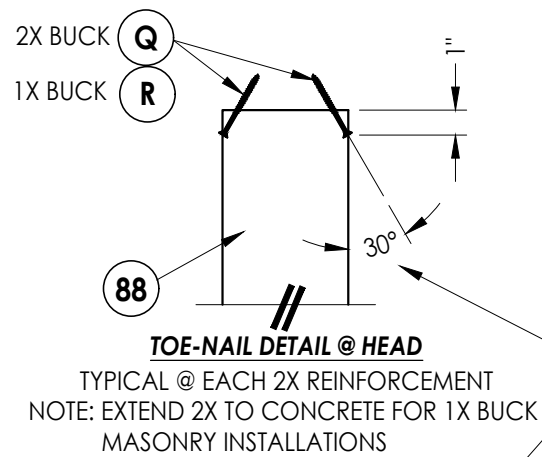
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

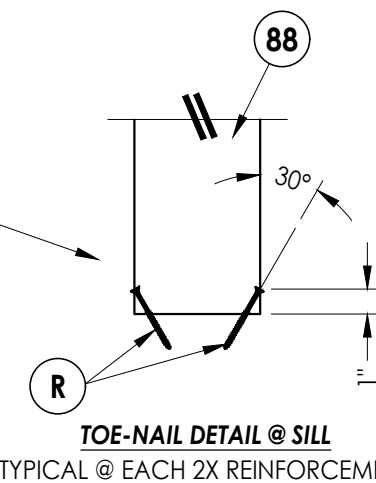


XO/OX

FRAME ANCHORING

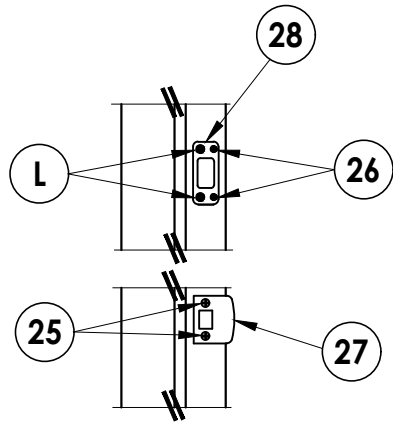


OXO

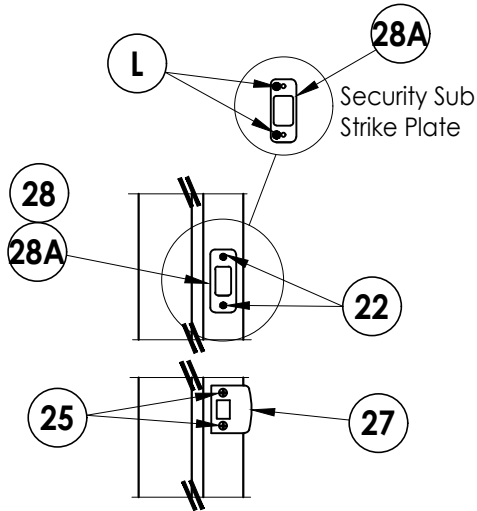


TOE-NAIL DETAIL @ SILL
TYPICAL @ EACH 2X REINFORCEMENT

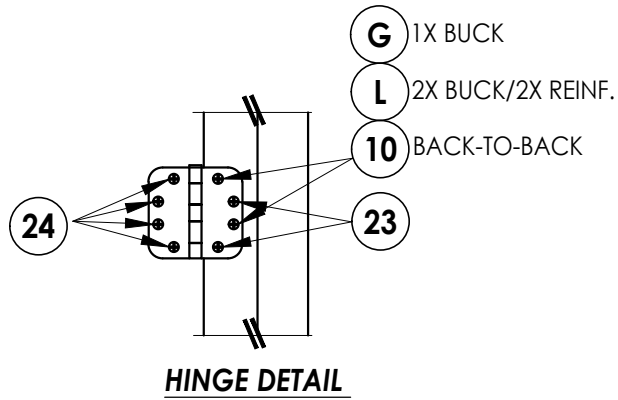
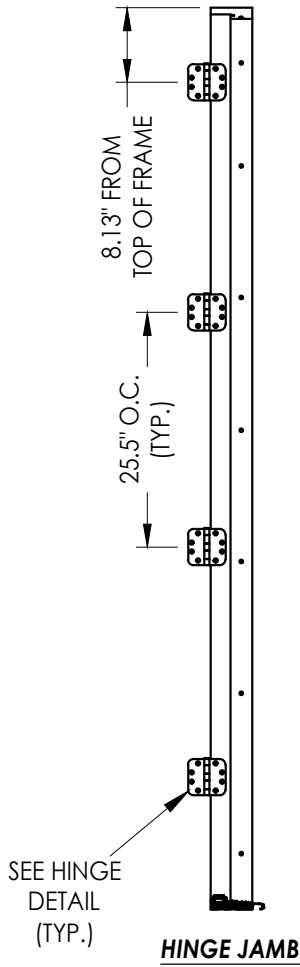
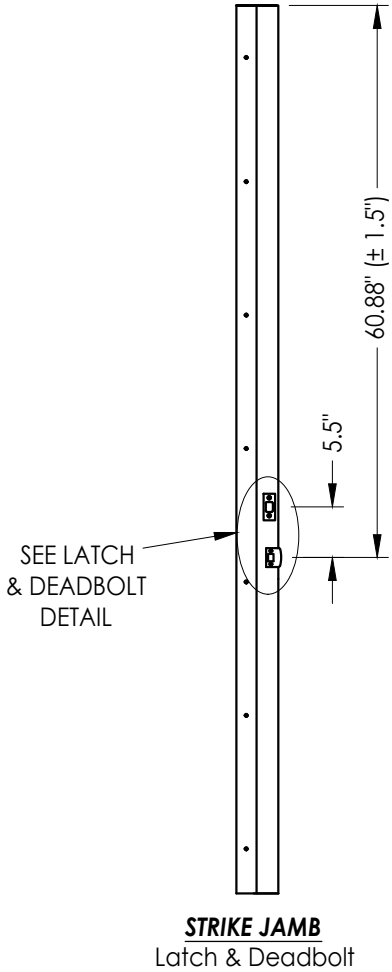
DATE: 12/10/20		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		THERMA-TRU		Lyndon F. Schmidt	
DWG. BY: RW		FIBERGLASS DOOR		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
DRAWING NO.: FL-35436.9		FRAME ANCHORING			
SHEET 9 OF 11		LFS			
		BY			
		NO. DATE		REVISONS	
		2 7/01/26 UPDATE TO 9TH ED. (2026) FBC		LFS	
		1 7/24/23 UPDATE TO 8TH ED. (2023) FBC		LFS	



LATCH & DEADBOLT DETAIL
Kwikset



LATCH & DEADBOLT DETAIL
Schlage



LATCH & DEADBOLT STRIKE DETAILS

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

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

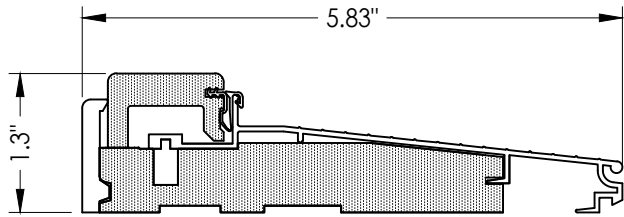
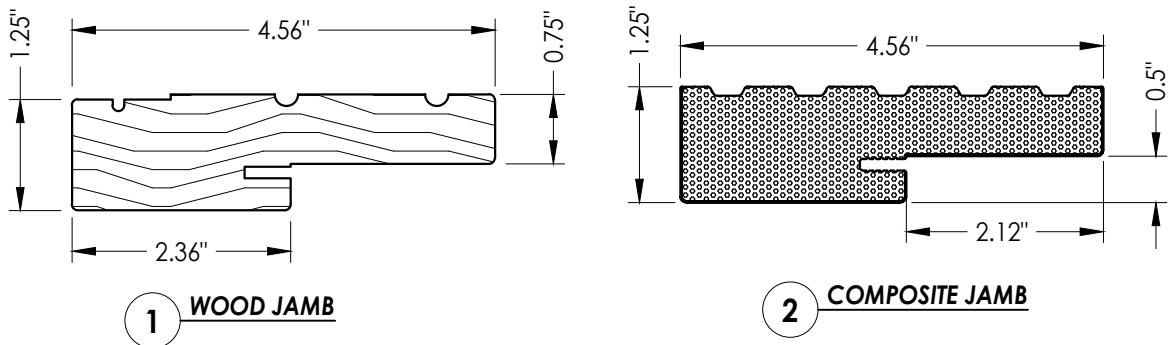
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
	PART OR ASSEMBLY: HARDWARE DETAILS

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

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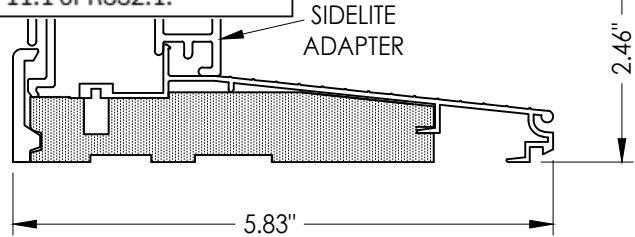
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" x 3-1/4" 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
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	-



32 INSWING THRESHOLD
Adjustable Composite Sill

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.



33 INSWING THRESHOLD w/ SIDELITE ADAPTER
Composite Sill

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.

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		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: BILL OF MATERIALS & COMPONENTS	
		LFS	BY
		UPDATE TO 9TH ED. (2026) FBC	
		UPDATE TO 8TH ED. (2023) FBC	
		NO. DATE	
		2 7/01/26	
		1 7/24/23	
REVISIONS			
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.9			
SHEET 11 OF 11			