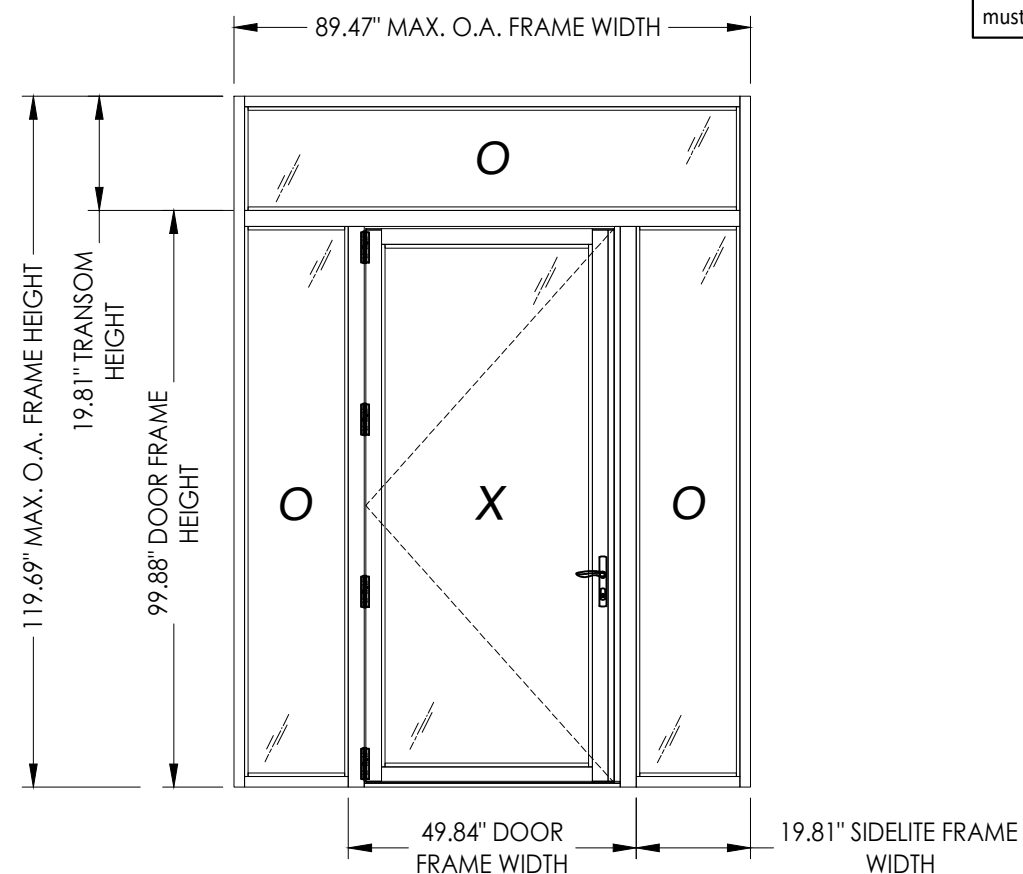
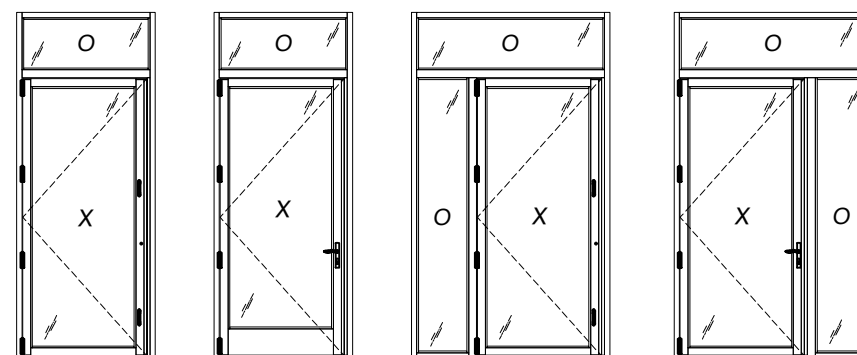


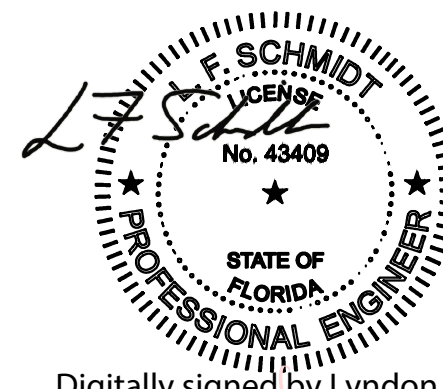


1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ", this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
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. This product does 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.
7. Aluminum components, including fasteners, shall meet the requirements of FBC Section 2003.
8. Gaskets shall comply with FBC Section 2411.3.4.

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



CONFIGURATION	MAX. FRAME DIMENSION	DOOR MAX. D.L.O.	SIDLITE MAX. D.L.O.	TRANSOM MAX. D.L.O.	DESIGN PRESSURE (PSF)	
					POSITIVE	NEGATIVE
$\frac{O}{X}$	47.97" x 119.69"	35.25" X 89.25"	N/A	43.09" X 16.75"	+50.0	-50.0
$\frac{O}{OX}$ or $\frac{O}{XO}$	68.72" x 119.69"	35.25" X 89.25"	16.75" X 94.06"	63.84" X 16.75"	+50.0	-50.0
$\frac{O}{OXO}$	89.47" x 119.69"	35.25" X 89.25"	16.75" X 94.06"	84.59" X 16.75"	+50.0	-50.0



Digitally signed by Lyndon F
Schmidt
Date: 2026.08.10 16:00:05 -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

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 No. 9813

PRODUCT: THERMA TRU

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

1	7/03/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
NO.	DATE	REVISIONS		
				BY

DATE: 2/07/24

SCALE: N.T.S.

DWG. BY: *LFS*

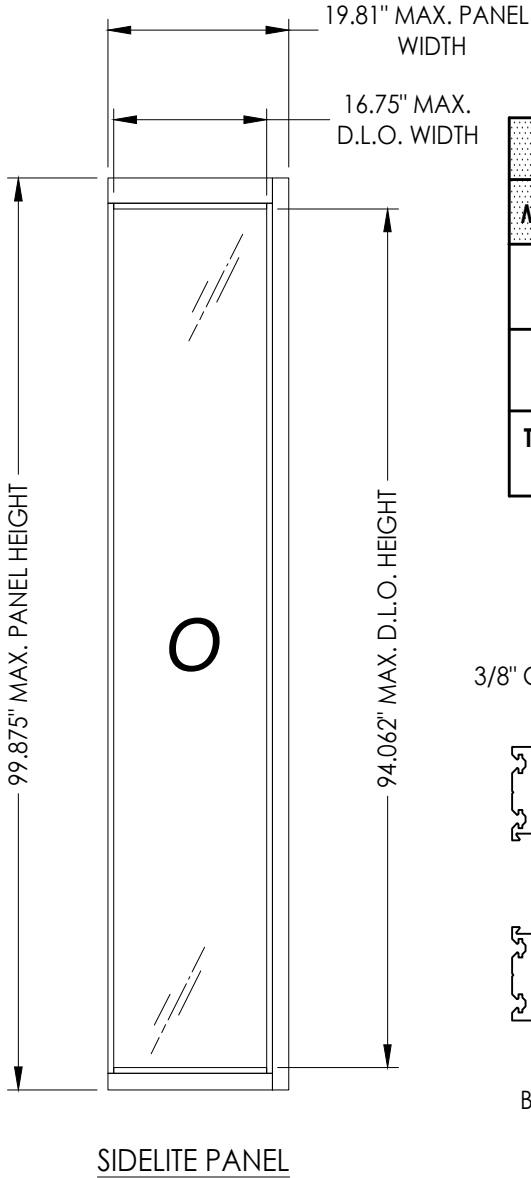
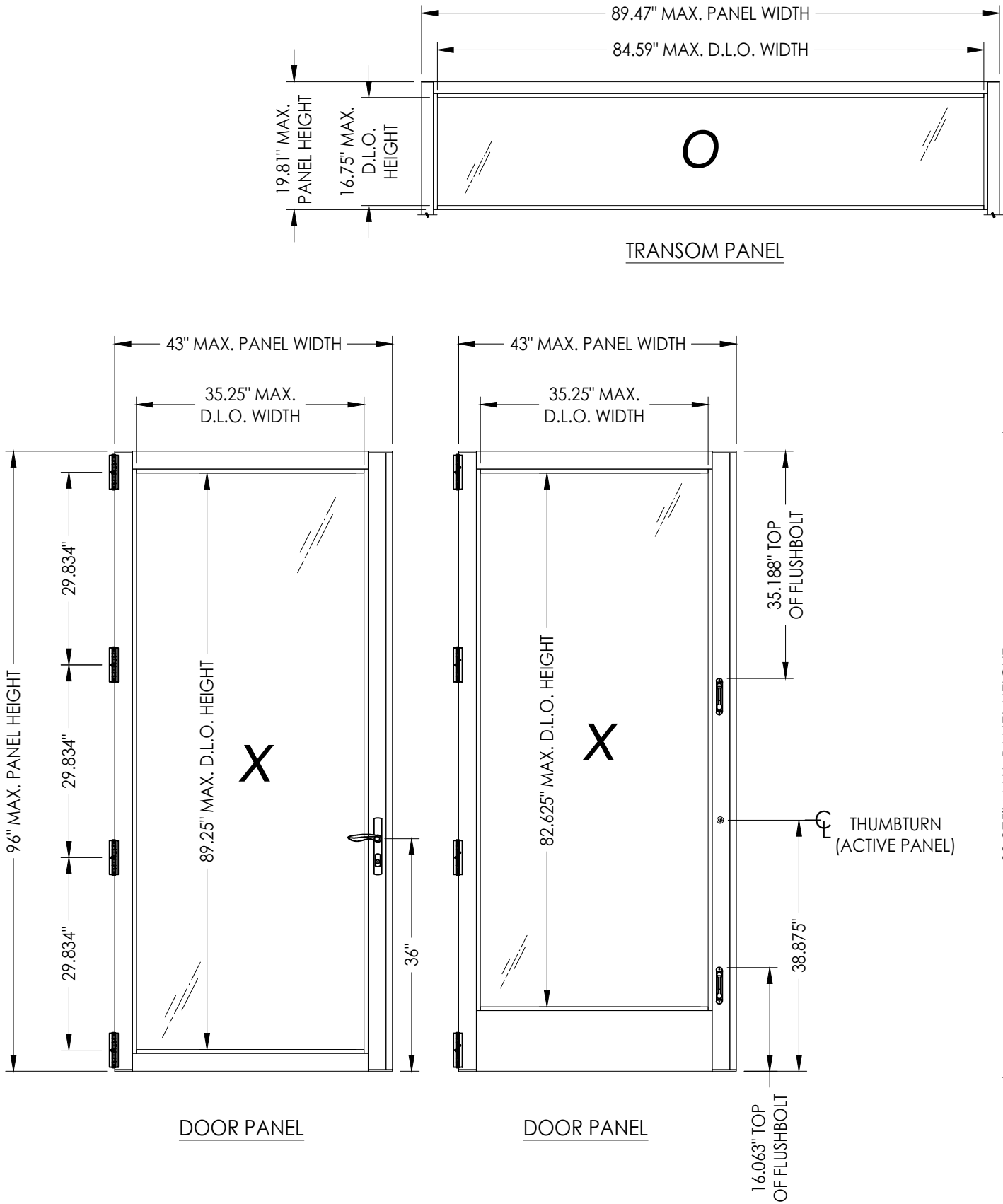
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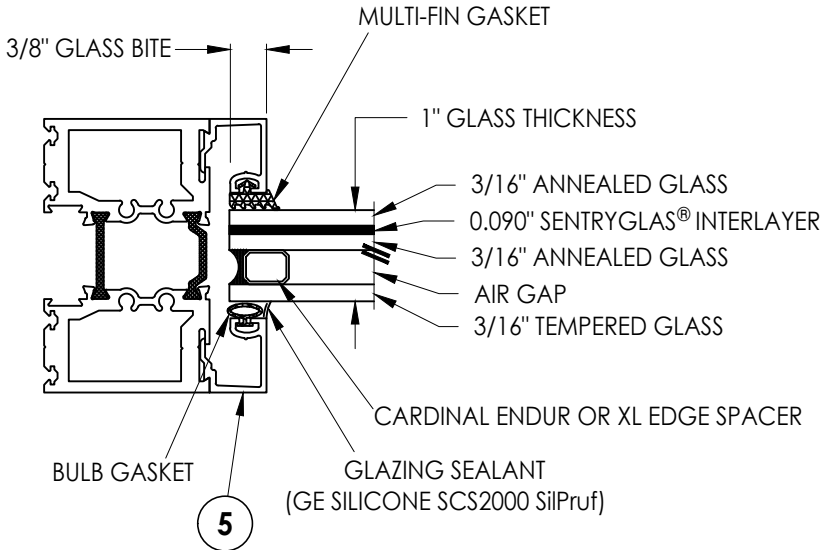
FL-46172.1

SHEET 1 OF 12

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HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	HOPPE HLS9000 ACTIVE: LEVER w/ 3 pt. LOCK
ADAMS RITE	ACTIVE: THUMBTURN & KEYED CYLINDER MS+ 1890 SERIES DEADBOLT
TERRY HINGE & HARDWARE	ACTIVE: FLUSHBOLTS



G1 GLAZING DETAIL

NOTE: GLAZING > 36" WIDE REQUIRES AT LEAST TWO (2) SETTING BLOCKS CONFORMING TO FBC SECTION 2411.3.3.1.

Documents Prepared By:
Lyndon F. Schmidt
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PRODUCT: THERMA-TRU

PART OR ASSEMBLY: DOOR, SIDELITE & TRANSOM PANELS & GLAZING DETAILS

DATE: 2/07/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46172.11

SHEET 2 OF 12

17/03/26

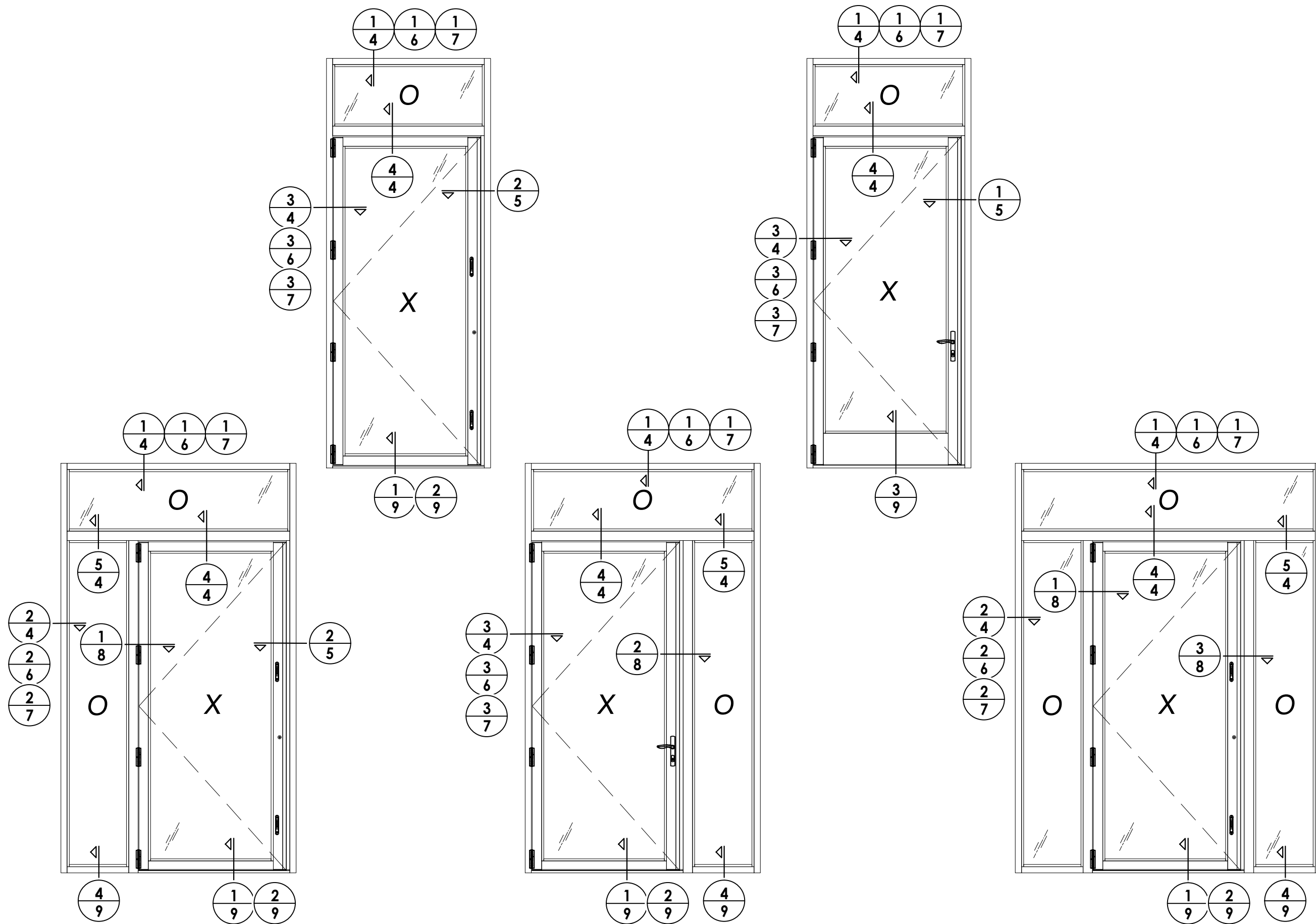
UPDATE TO 9TH ED. (2026) FBC

NO. DATE

REVISIONS

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P.E. No. 43409

THERMA-TRU

PART OR ASSEMBLY:

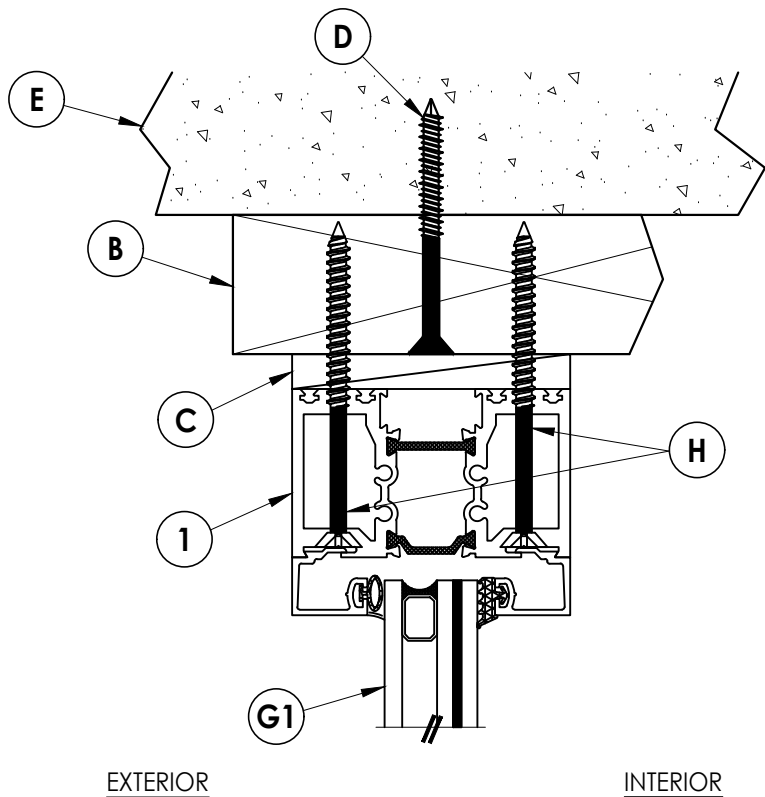
ELEVATIONS

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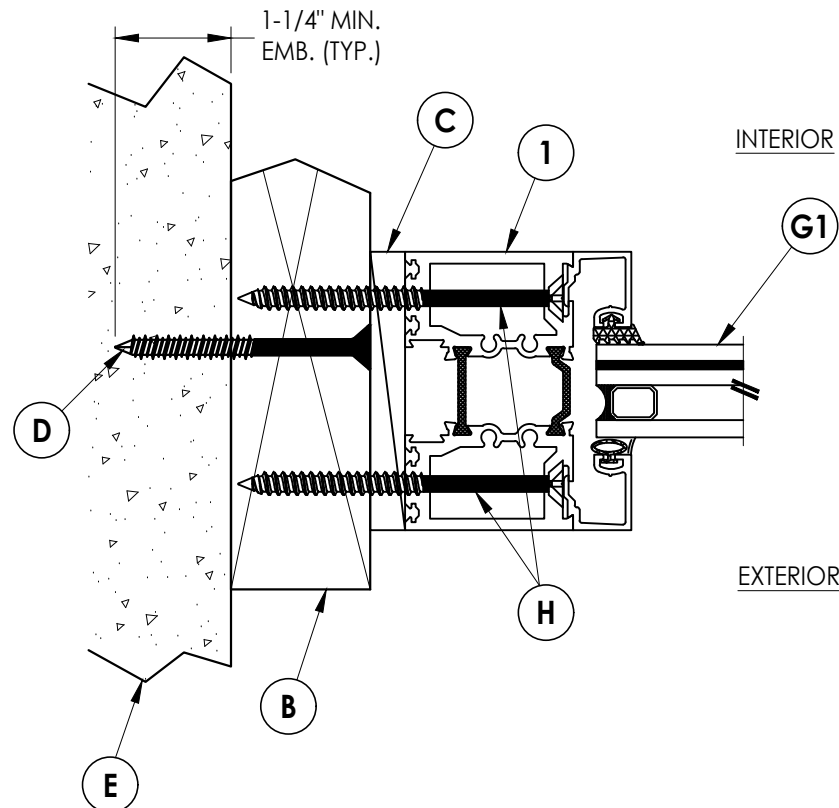
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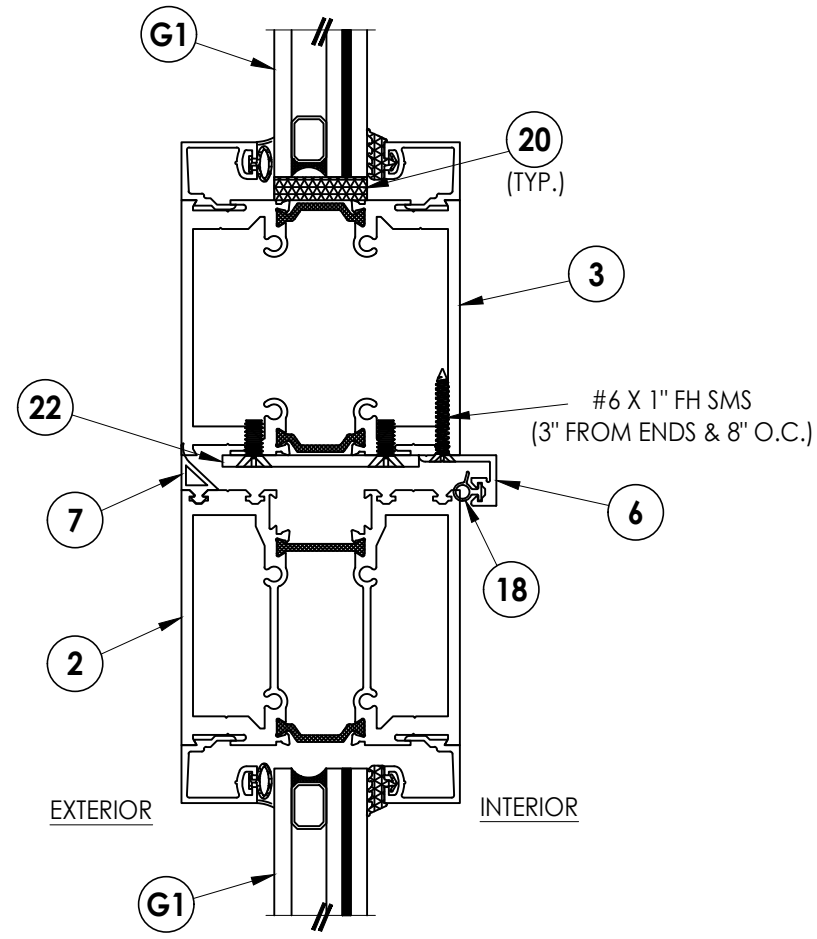
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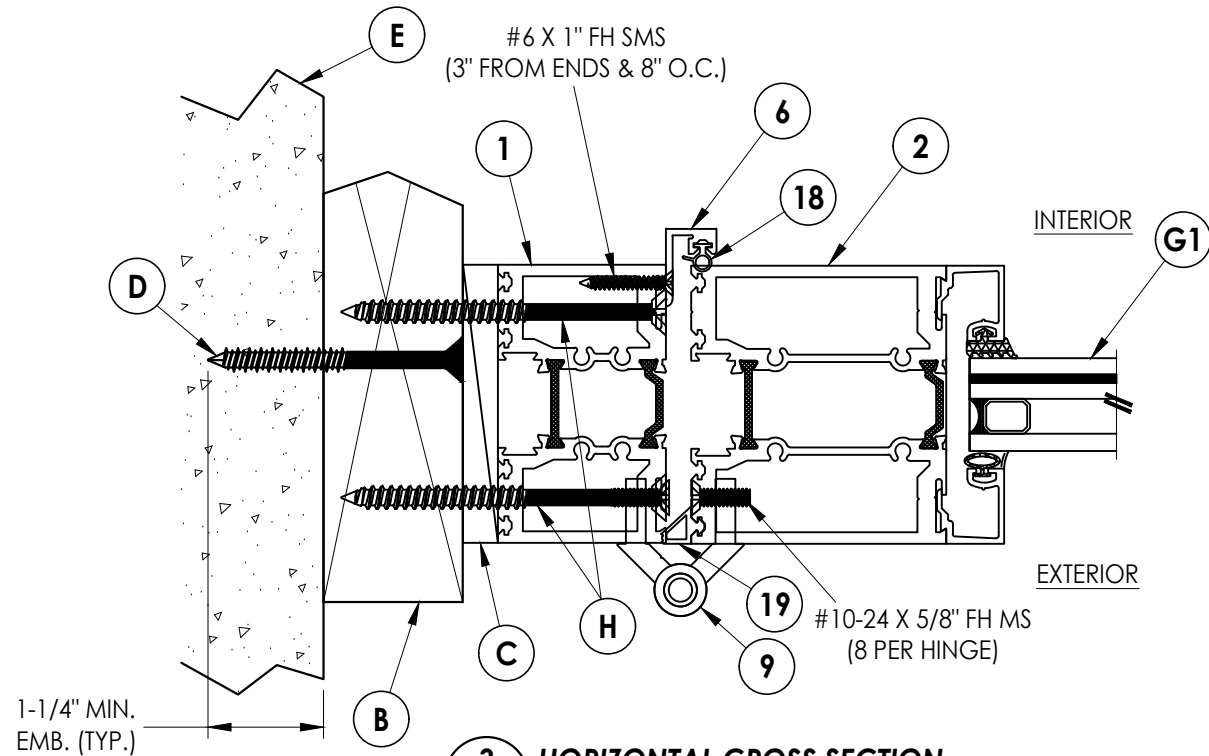
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4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck



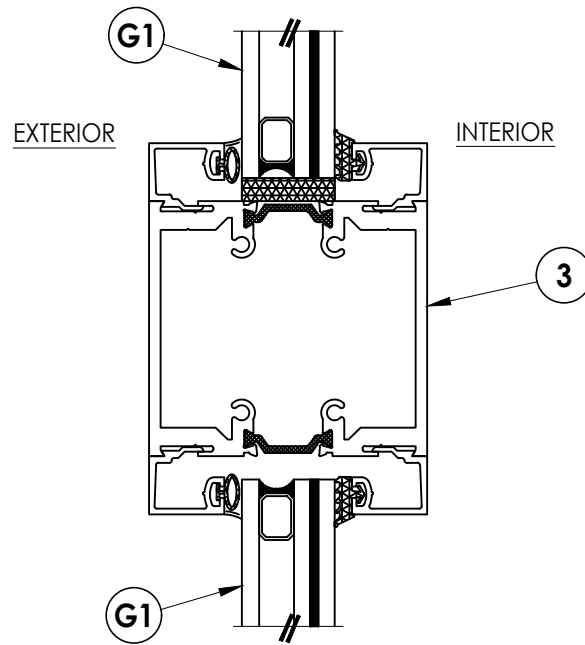
2
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck



4
4 **VERTICAL CROSS SECTION**



3
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck



5
4 **VERTICAL CROSS SECTION**

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

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

PRODUCT: **THERMA-TRU**

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

NO.	DATE	BY	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026)	FBC
			LFS

DATE: 2/07/24

SCALE: N.T.S.

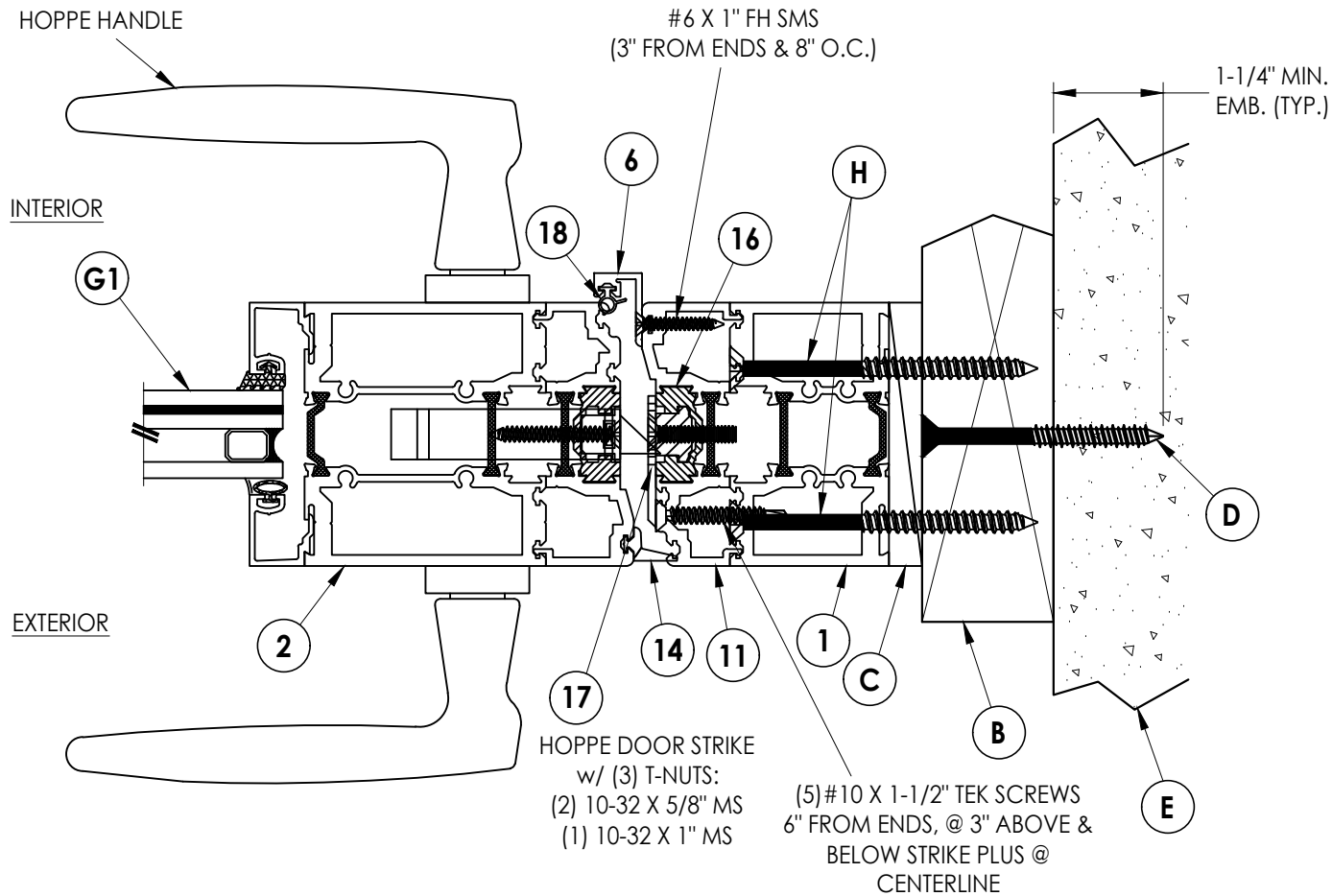
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CHK. BY: RW

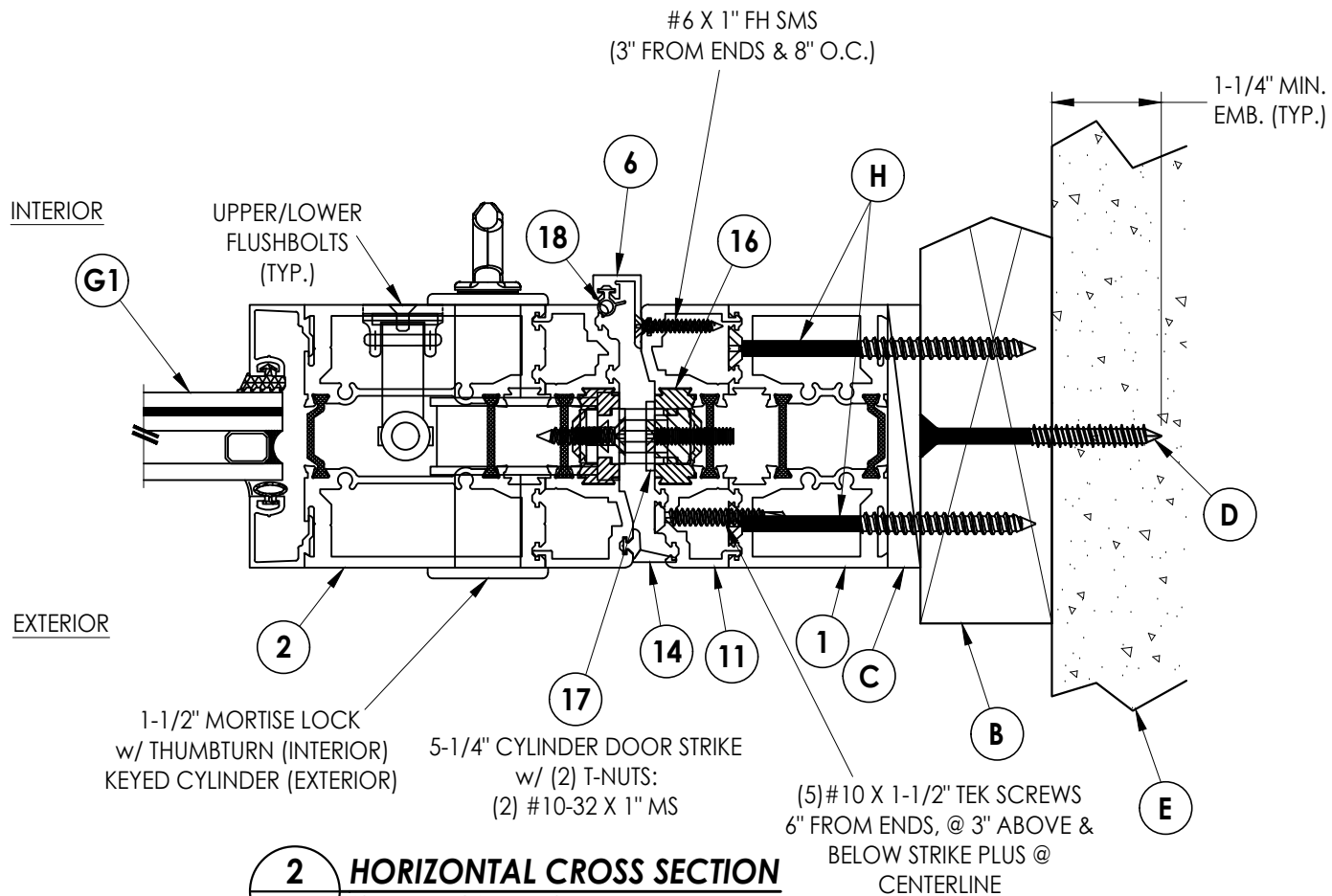
DRAWING NO.: FL-46172.11

SHEET 4 OF 12

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1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck



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

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Lyndon F. Schmidt
P.E. No. 43409

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU
PART OR ASSEMBLY:
HORIZONTAL CROSS
SECTIONS (2X BUCK)

NO.	DATE	UPDATE TO	9TH ED. (2026)	FBC	LFS	BY
1	7/03/26	DATE				

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DRAWING NO.: FL-46172.11
SHEET 5 OF 12

1-1/4" MIN.
EMB. (TYP.)

#6 X 1" FH SMS
(3" FROM ENDS & 8" O.C.)

1

6

2

18

19

9

#10-24 X 5/8" FH MS
(8 PER HINGE)

INTERIOR

EXTERIOR

L

C

E

A

G1

1-1/4" MIN.
EMB. (TYP.)

INTERIOR

EXTERIOR

Labels: L, E, A, C, 1, G1

This technical cross-section diagram illustrates a window assembly. On the left, a thick, textured material (likely concrete or masonry) is shown with two horizontal bolts (labeled 'L') passing through it. The bolts are secured with nuts and washers on the exterior side. A dimension line indicates a minimum thickness of 1-1/4 inches for the masonry. The bolts pass through a vertical frame member (labeled 'A') and a central insulating unit (labeled 'C'). The insulating unit consists of two panes of glass held together by a spacer bar (labeled '1'). The entire assembly is set within a frame. On the right, the interior side of the window is shown, featuring a multi-paneled curtain or blind (labeled 'G1') and a horizontal track or support structure. The exterior side is labeled 'EXTERIOR' and the interior side is labeled 'INTERIOR'. Other labels include 'E' pointing to the masonry surface and 'C' pointing to the insulating unit.

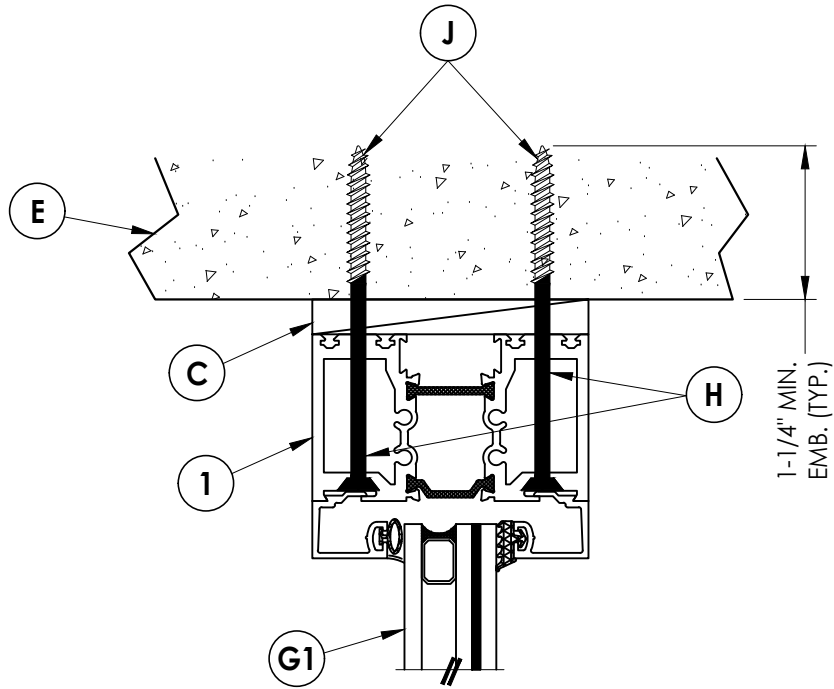
2 HORIZONTAL CROSS SECTION
6 Shown w/ 1X Buck

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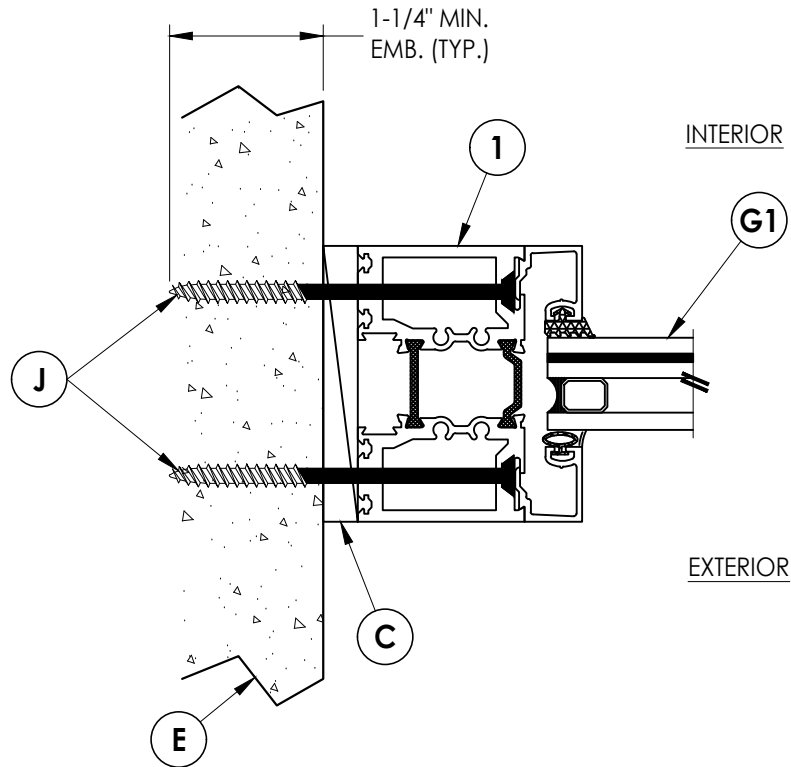
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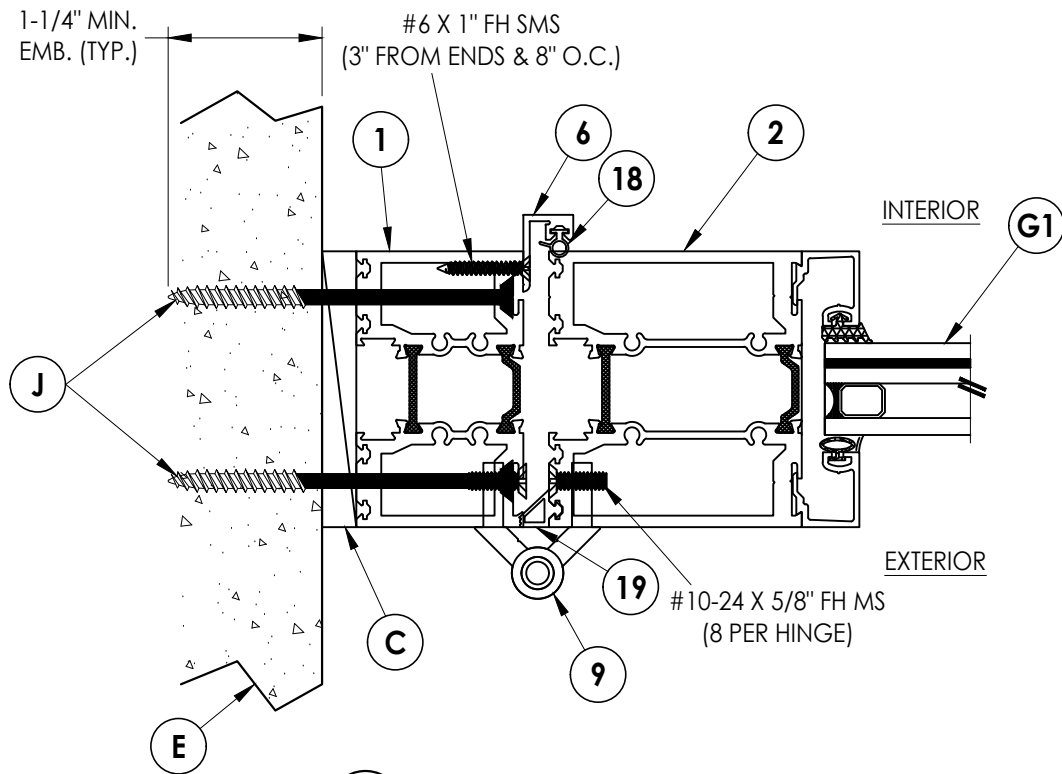
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1
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry



2
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry



3
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry

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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 No. 9813

PRODUCT: THERMA-TRU

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

NO.	DATE	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC
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DATE: 2/07/24

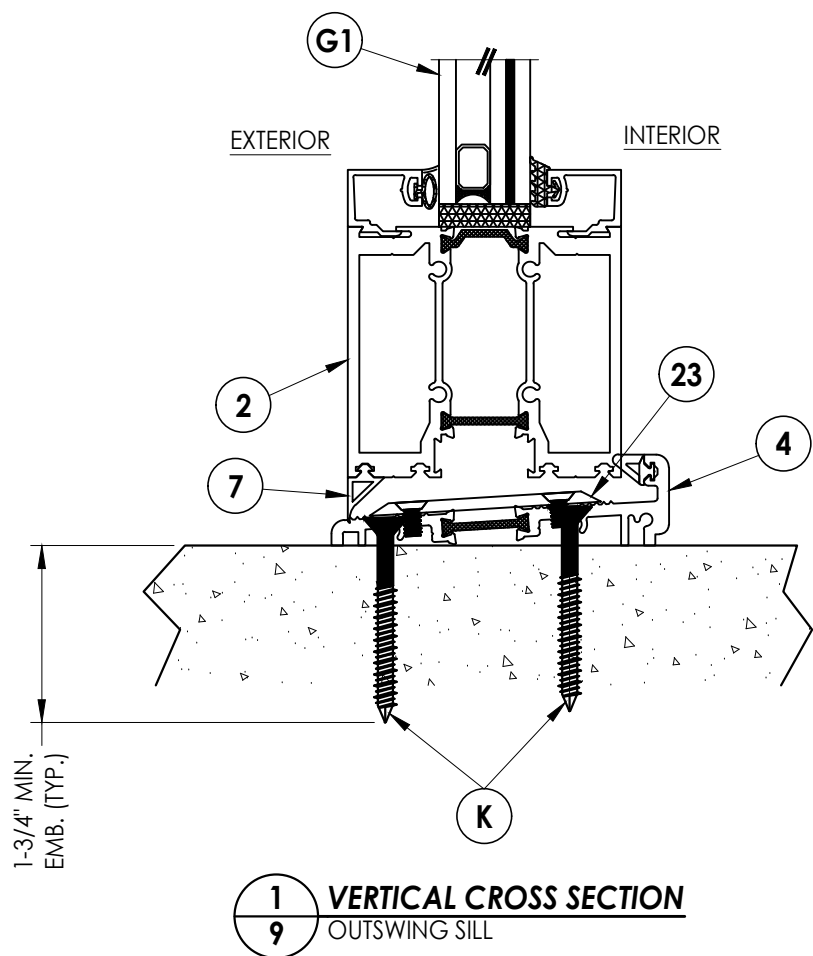
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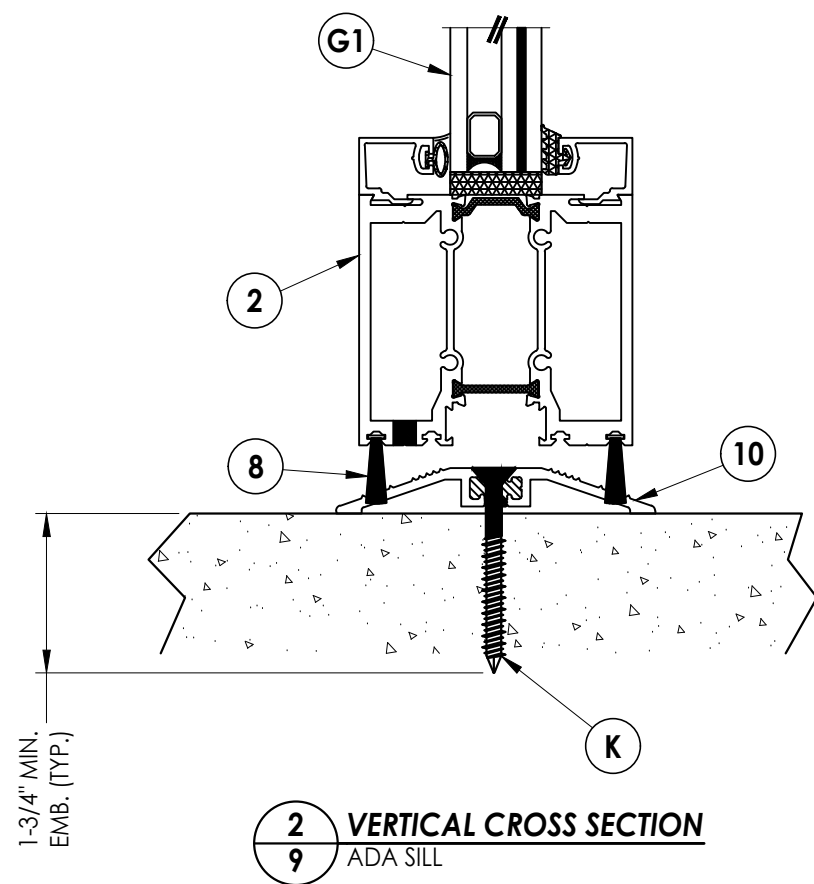
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FL-46172.11

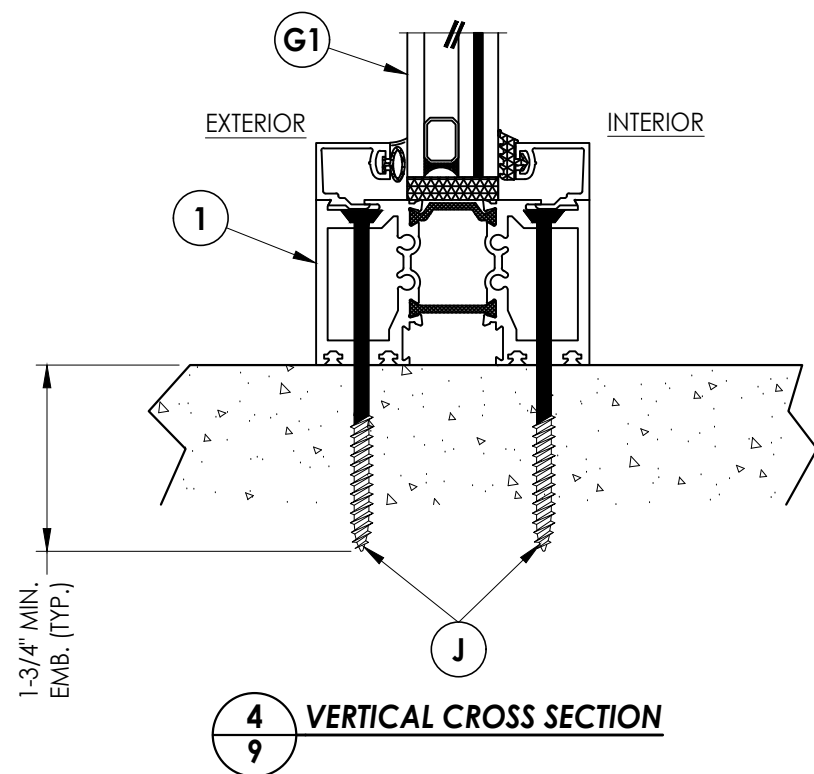
SHEET 7 OF 12



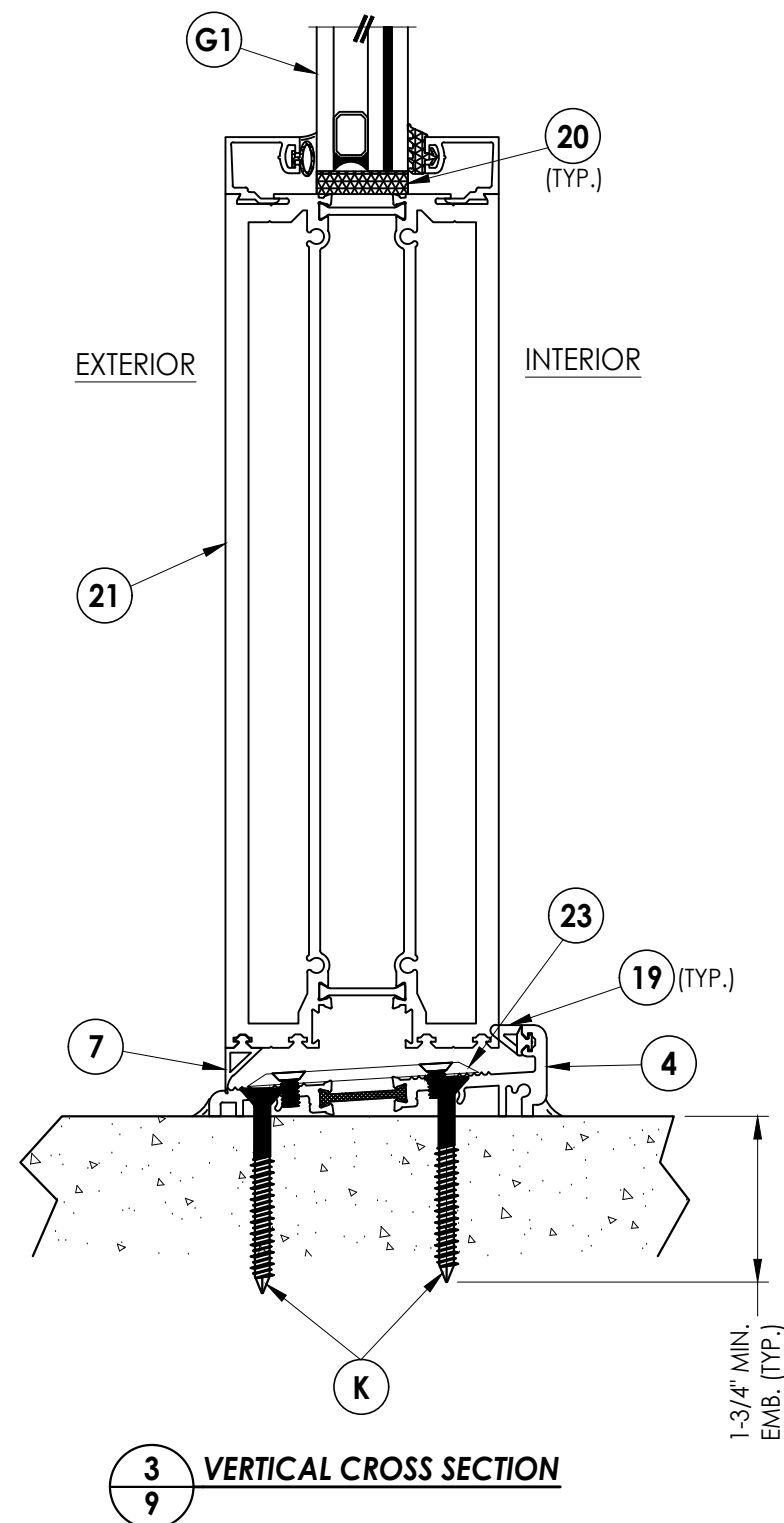
1 **VERTICAL CROSS SECTION**
9 OUTSWING SILL



2 VERTICAL CROSS SECTION
9 ADA SILL



4 VERTICAL CROSS SECTION
9



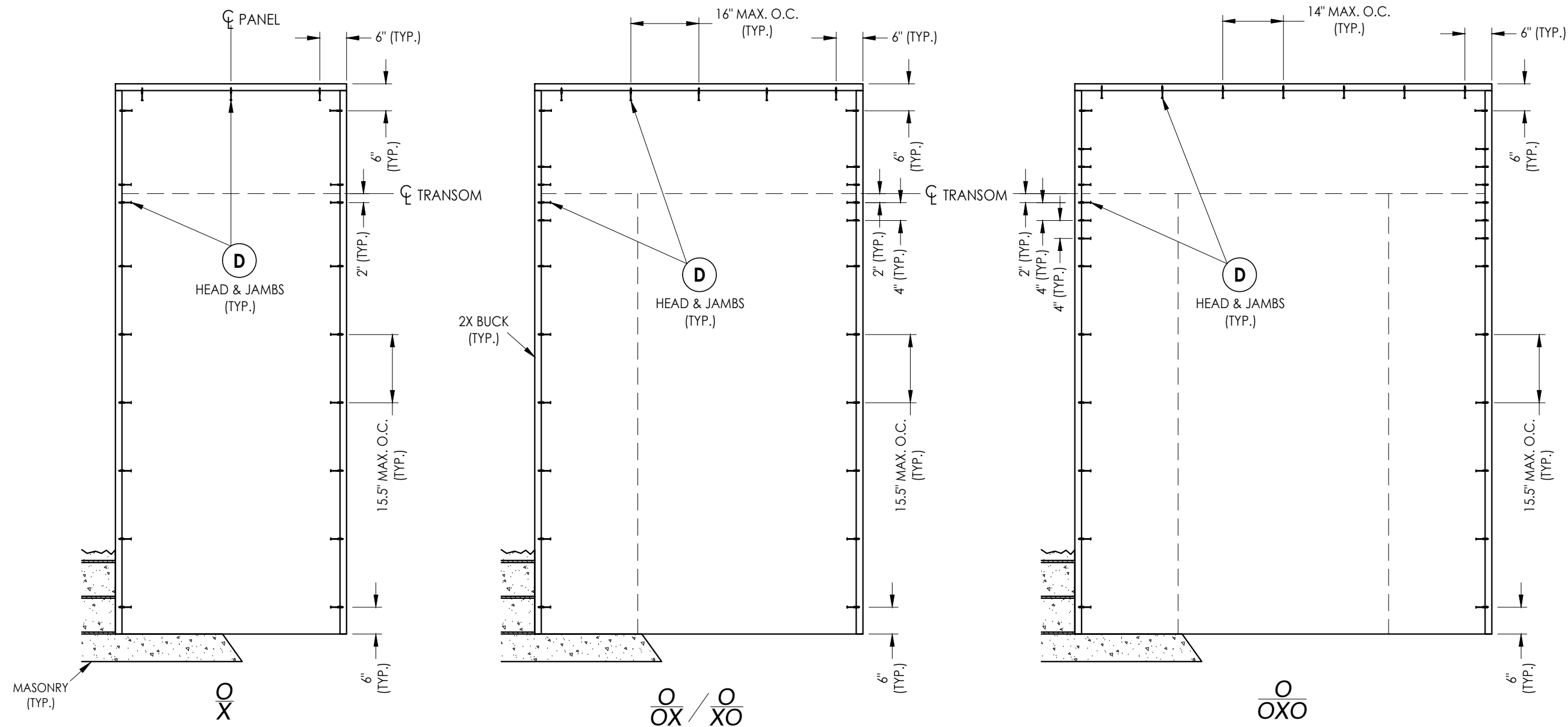
3 9 VERTICAL CROSS SECTION

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PRODUCT:	THERMA-TRU
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

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P.E. No. 43409

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FBPE Registry No. 9813



2X BUCK ANCHORING

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" 1-3/4" (SILL)	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4" 1-3/4" (SILL)	1"	4"

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.

1	7/03/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
NO.	DATE			BY
REVISIONS				

DATE: 2/07/24

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: RW

DRAWING NO.:
FL-46172.11

SHEET 10 OF 12

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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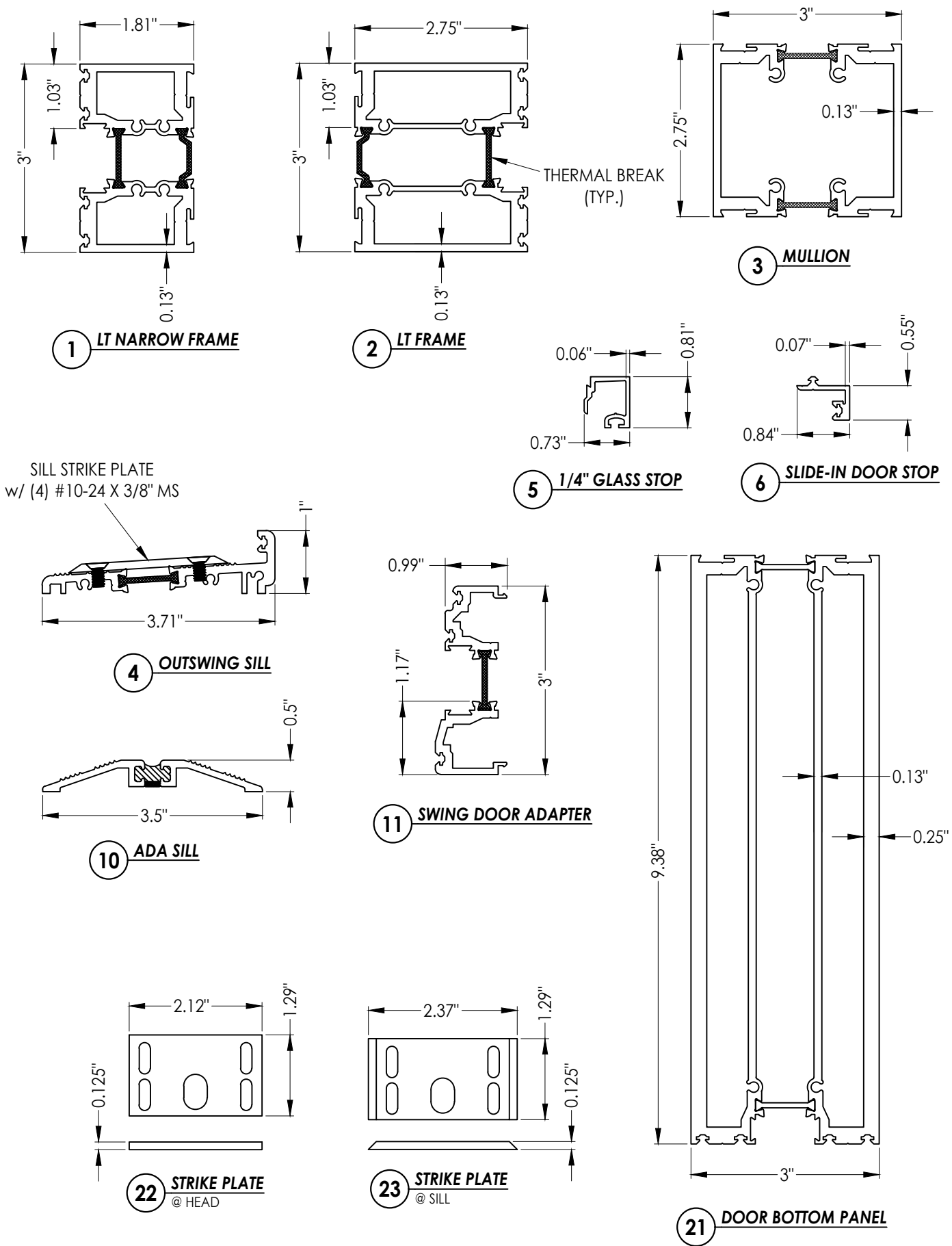
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	3/8" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
H	#14 X 3-1/2" FH SMS (1-1/4" MIN. EMBEDMENT)	S.S.
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	1/4" X 5" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	LT NARROW FRAME	6063-T6 ALUM
2	LT FRAME	6063-T6 ALUM
3	MULLION	6063-T6 ALUM
4	OUTSWING SILL	6063-T6 ALUM
5	1/4" GLASS STOP	6063-T6 ALUM
6	SLIDE-IN DOOR STOP	6063-T5 ALUM
7	DOOR SILL GASKET	-
8	3/4" BRUSH WEATHERSTRIP	-
9	SEMI-CONCEALED HINGE	6105-T5 ALUM
10	ADA SILL	6063-T5 ALUM
11	SWING DOOR ADAPTER	6063-T6 ALUM
14	DOOR SWEEP FOAM GASKET	-
16	16mm EUROGROOVE	-
17	HOPPE DOOR STRIKE	S.S.
18	BULB GASKET	-
19	DOOR GASKET	-
20	SETTING BLOCK	-
21	DOOR BOTTOM PANEL	6063-T5 ALUM
22	STRIKE PLATE (@ HEAD)	S.S.
23	STRIKE PLATE (@ SILL)	S.S.

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



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PRODUCT: THERMA TRU		PART OR ASSEMBLY: BILL OF MATERIAL & COMPONENTS	
		LFS	BY
		UPDATE TO 9TH ED. (2026) FBC	
1	7/03/26	NO. DATE	REVISIONS
DATE: 2/07/24			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: RW			
DRAWING NO.: FL-46172.11			
SHEET 12 OF 12			