

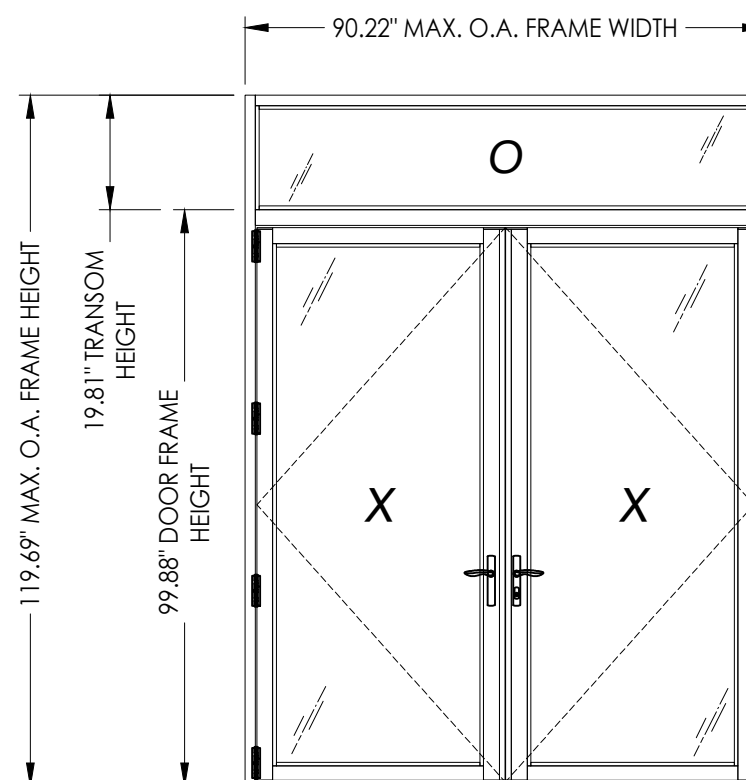


**"VERIS V3" GLAZED ALUMINUM DOOR
DOUBLE w/ TRANSOM
OUTSWING
"IMPACT"**

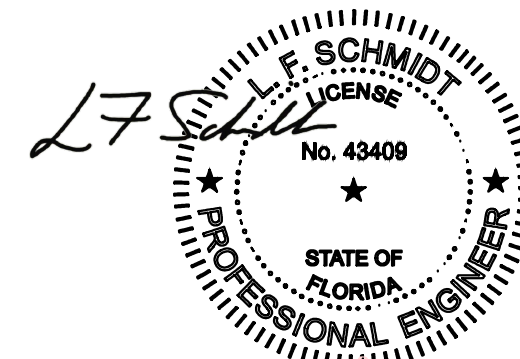
GENERAL NOTES

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 & Transom Panels & Glazing Details
3	Elevations
4	Horizontal & Vertical Cross Sections (2X Buck)
5	Horizontal & Vertical Cross Sections (1X Buck)
6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Horizontal Cross Sections
8	Vertical Cross Sections
9	Buck & Frame Anchoring
10	Bill of Materials & Components



CONFIGURATION	MAX. FRAME DIMENSION	DOOR MAX. D.L.O.	TRANSOM MAX. D.L.O.	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
O XX	90.22" x 119.69"	35.25" X 89.25"	85.34" X 16.75"	+50.0	-50.0



Digitally signed by Lyndon F Schmidt

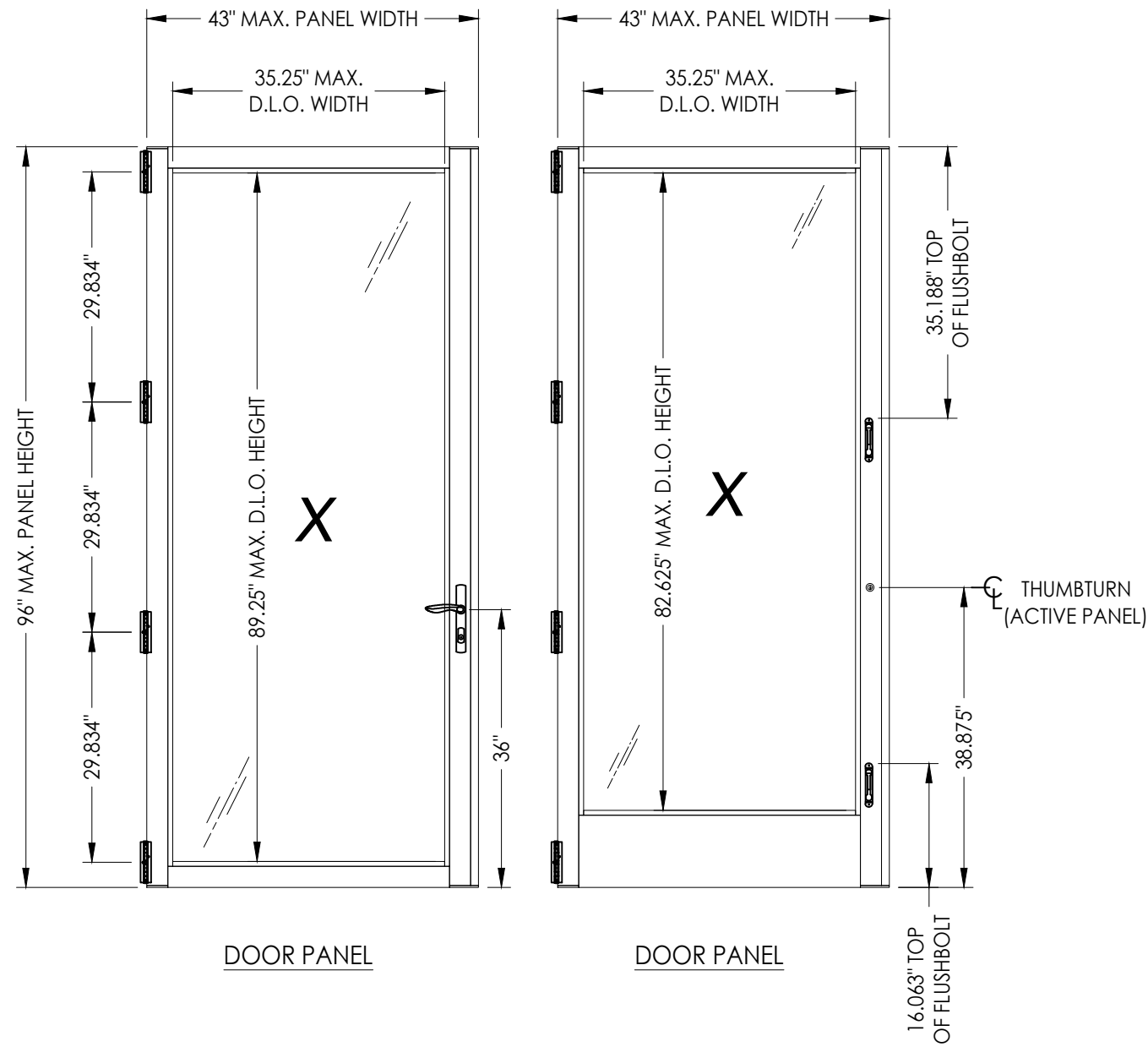
Date: 2026.08.10 15:59:42 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

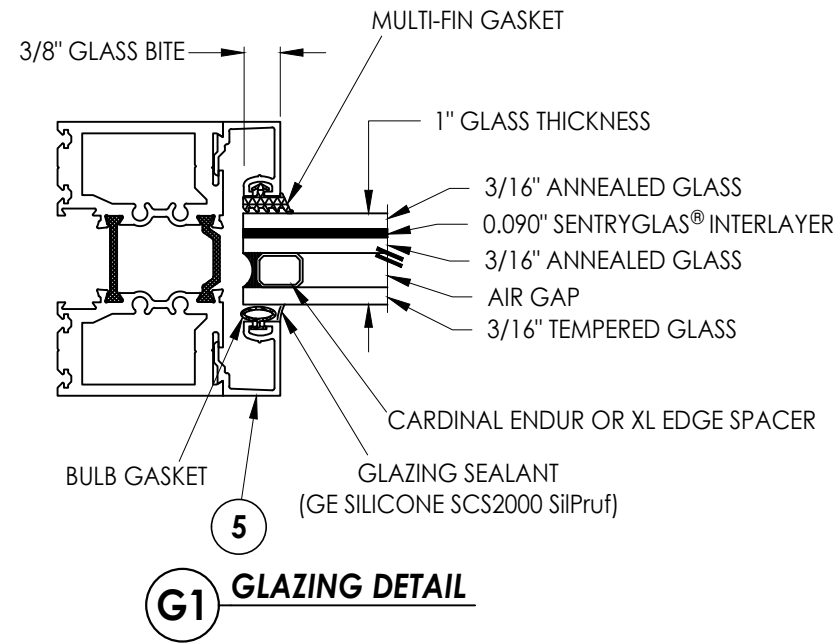
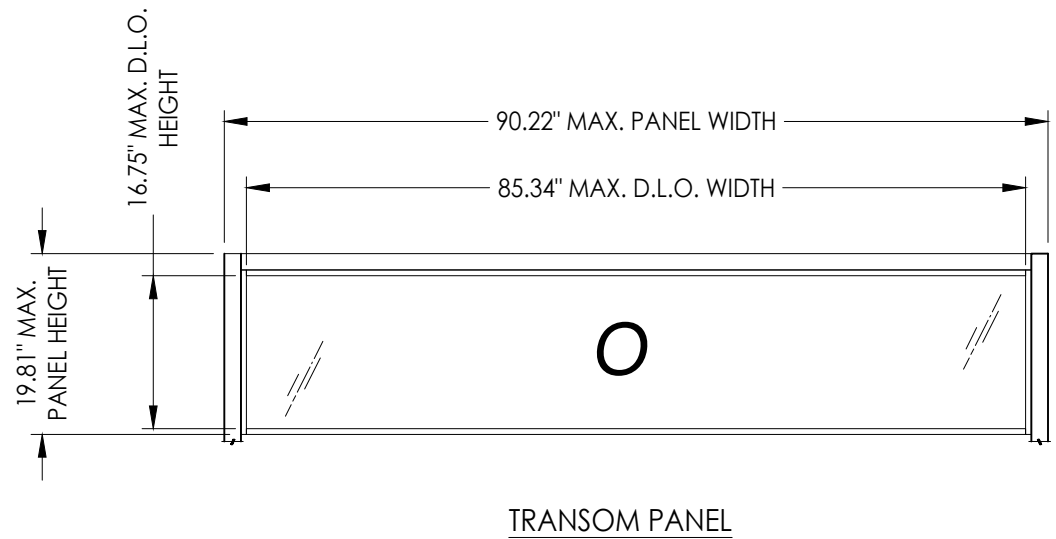
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

DATE: 2/07/24		PRODUCT: THERMA TRU		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FRED R. WILSON, P.E. 0847	
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-46172.12					
SHEET 1 OF 10					

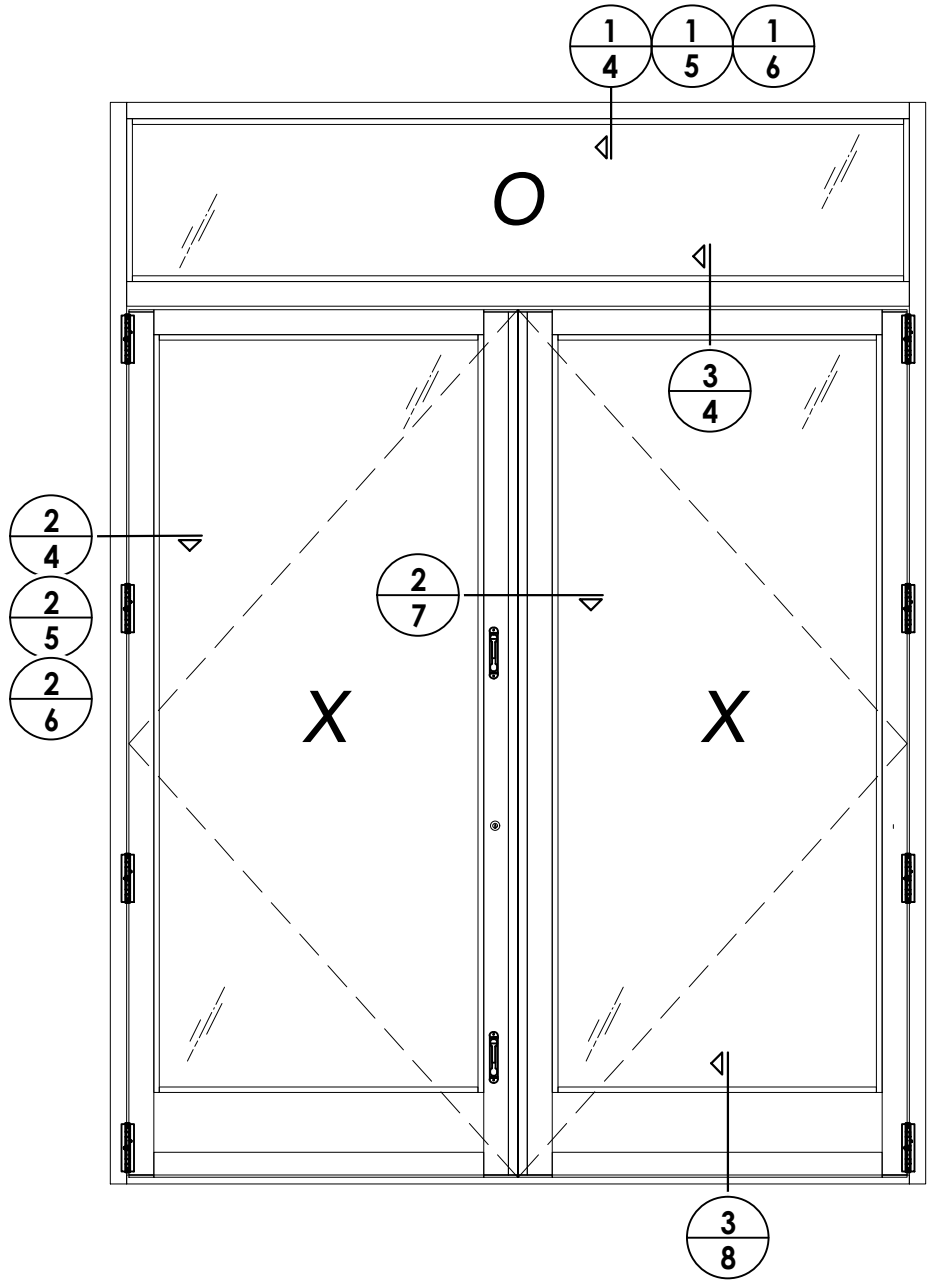
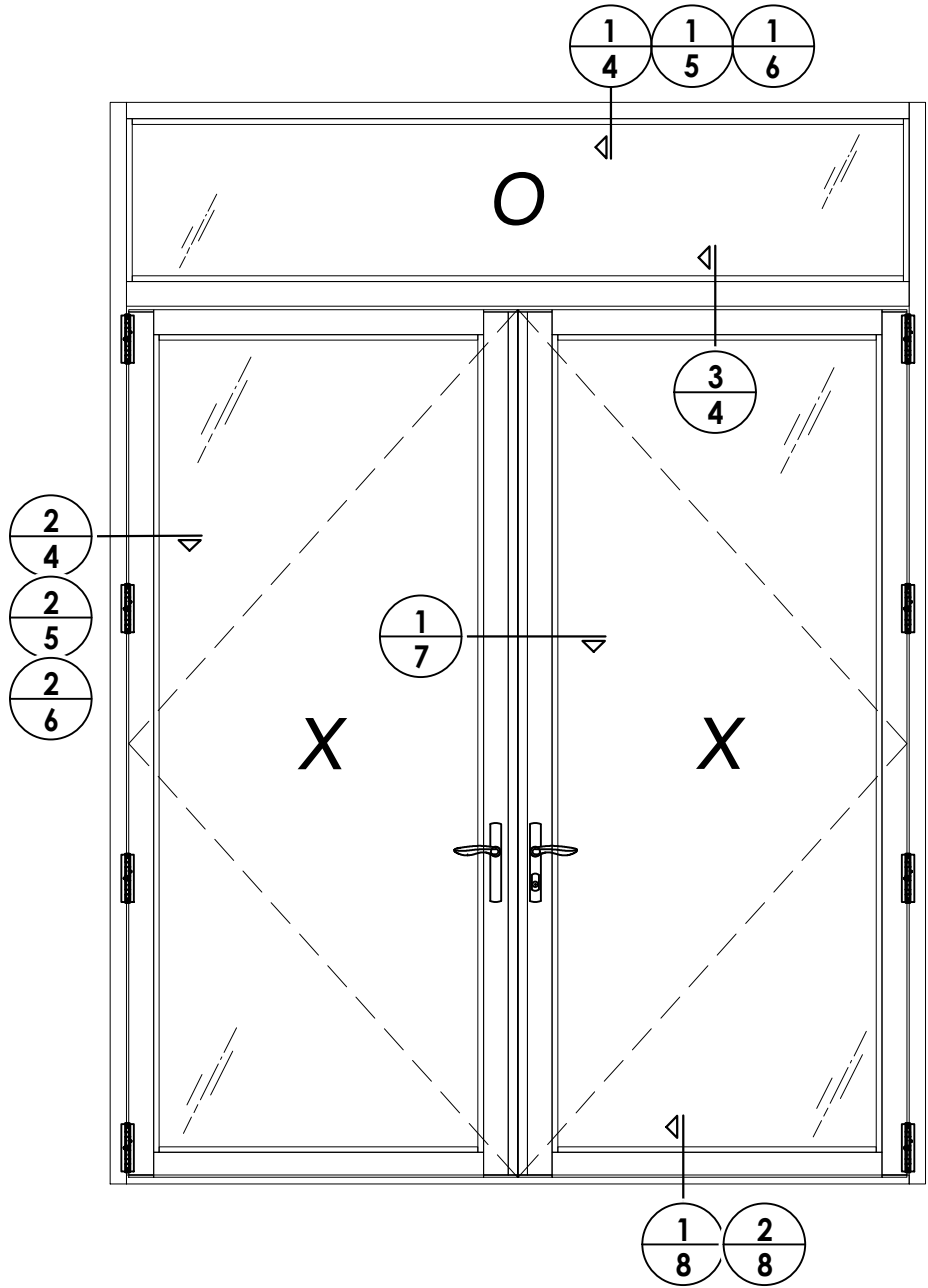


HARDWARE TABLE	
MANUFACTURER	MODEL
HOPPE	<u>HOPPE HLS9000</u> ACTIVE: LEVER w/ 3 pt. LOCK INACTIVE: LEVER w/ 2 pt. LOCK
ADAMS RITE	ACTIVE: THUMBTURN & KEYED CYLINDER MS+ 1890 SERIES DEADBOLT
TERRY HINGE & HARDWARE	ACTIVE & INACTIVE: FLUSHBOLTS



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

[illegible]



DATE: 2/07/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46172.12
SHEET 3 OF 10

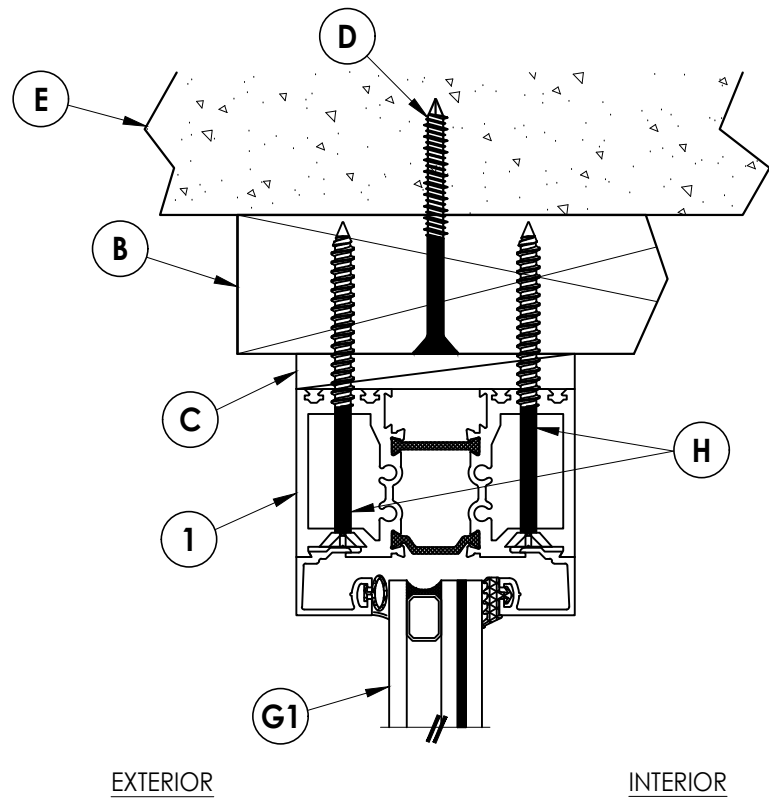
NO.	DATE	DESCRIPTION
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC LFS
REVISIONS		

PRODUCT:	THERMA-TRU
PART OR ASSEMBLY:	ELEVATIONS

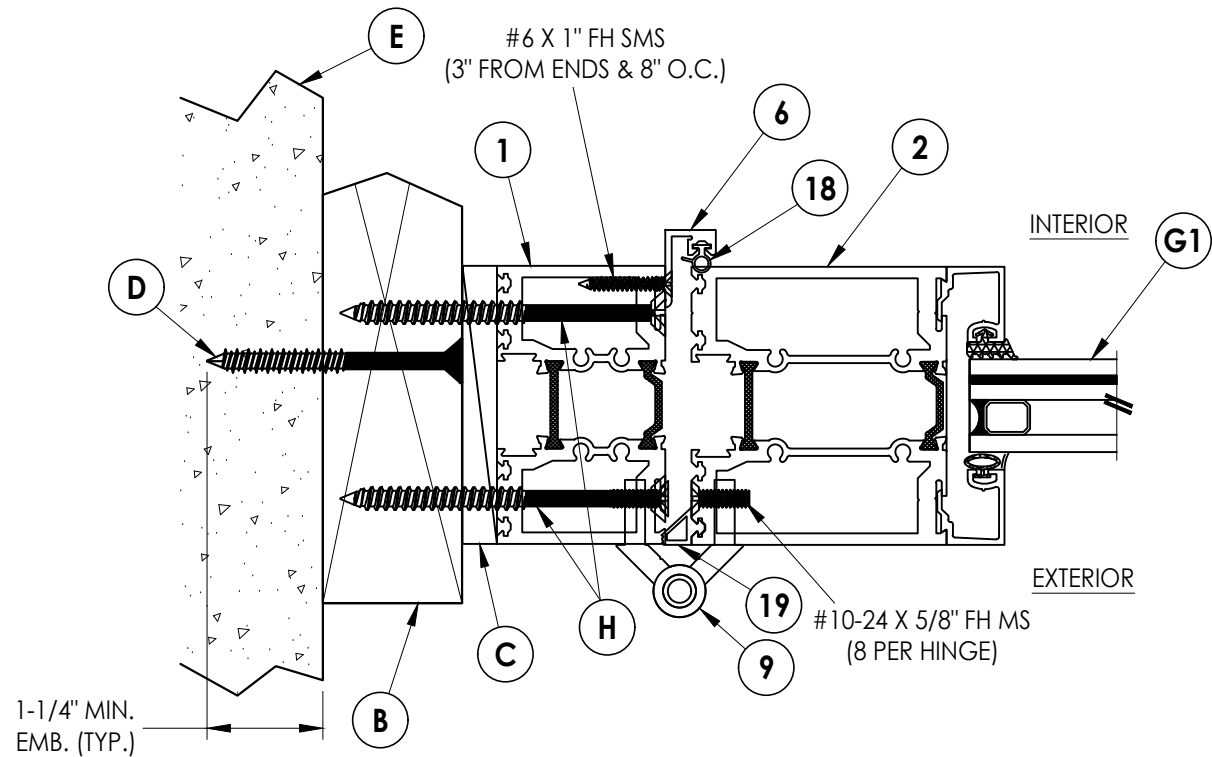
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

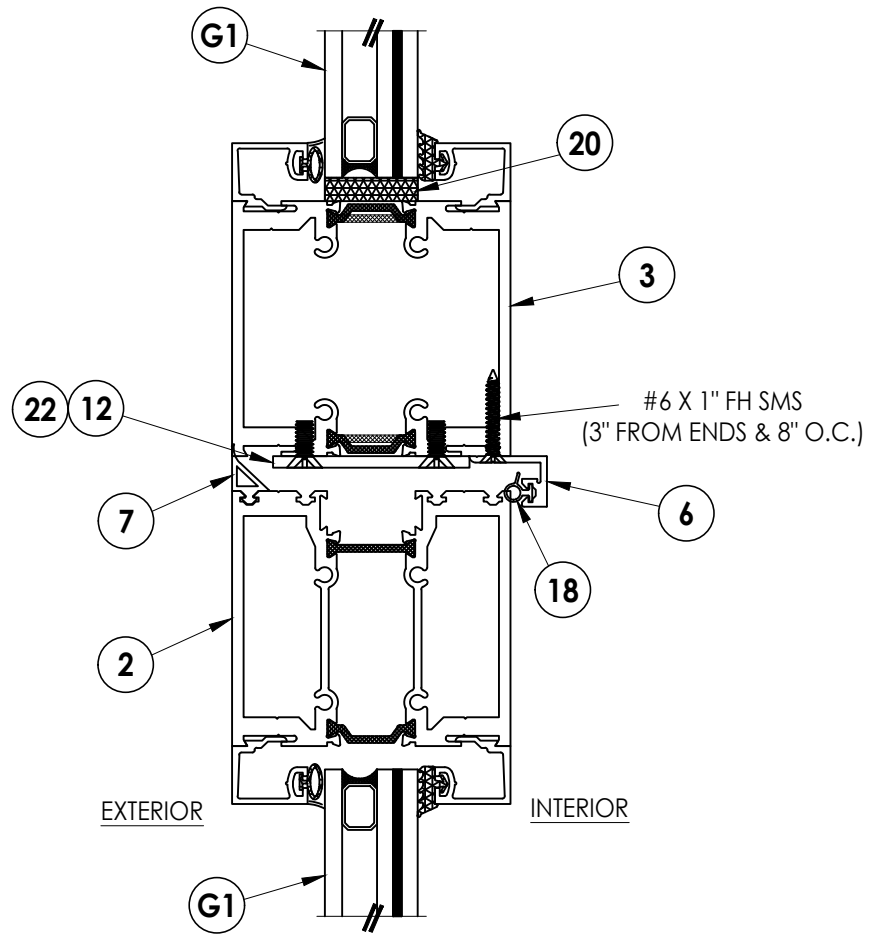
Z:\2023 FBC Drawings\Therma-Tru\FL-46172 R1\FL 46172.12.dwg



1
4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck



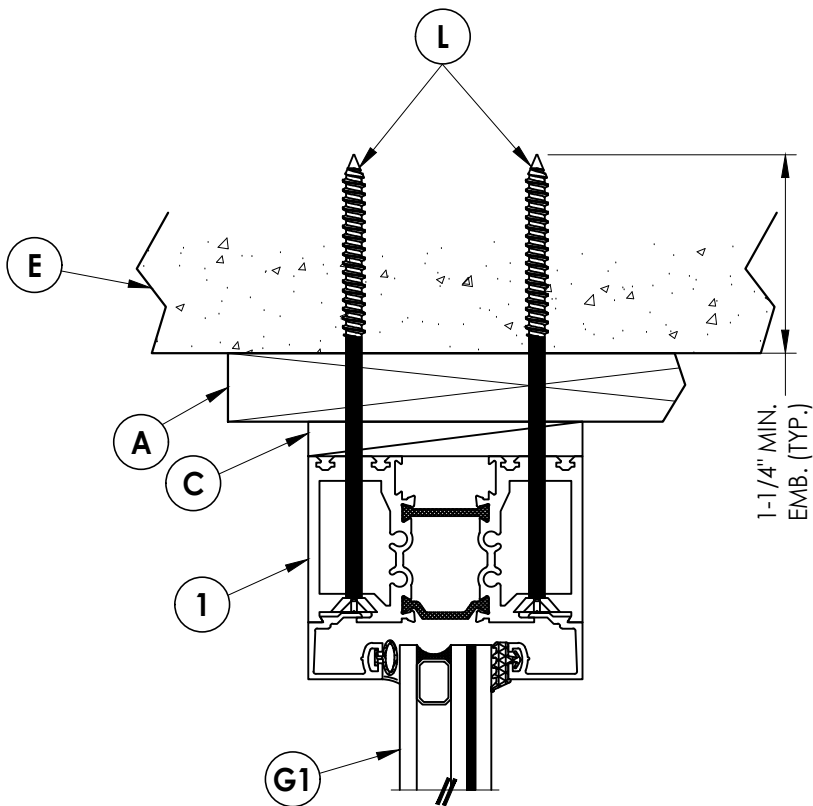
2
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck



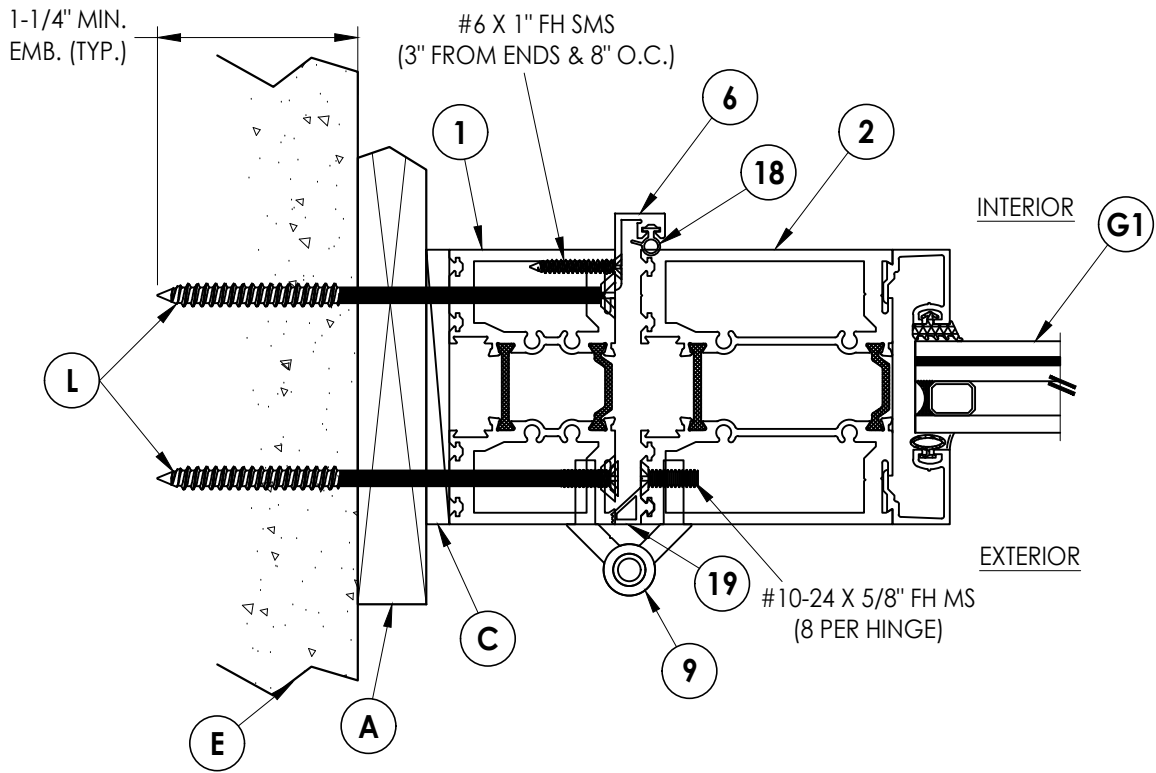
3
4 **VERTICAL CROSS SECTION**

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		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)	
		REVISIONS	
		DATE: 2/07/24	
		SCALE: N.T.S.	
		DWG. BY: LFS	
		CHK. BY: RW	
		DRAWING NO.: FL-46172.12	
		SHEET 4 OF 10	

Z:\2023 FBC Drawings\Therma-Tru\FL-46172 R1\FL 46172.12.dwg



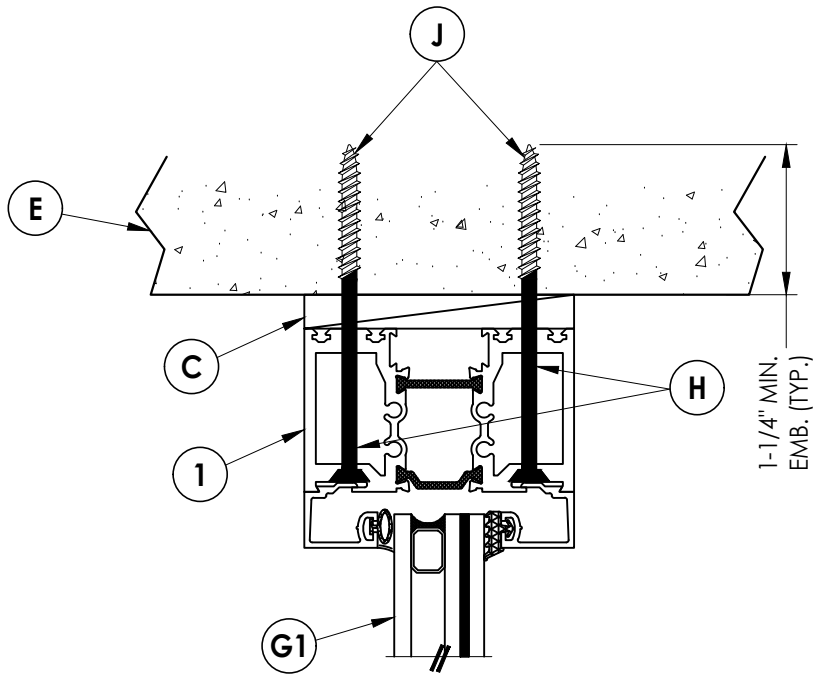
1
5 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck



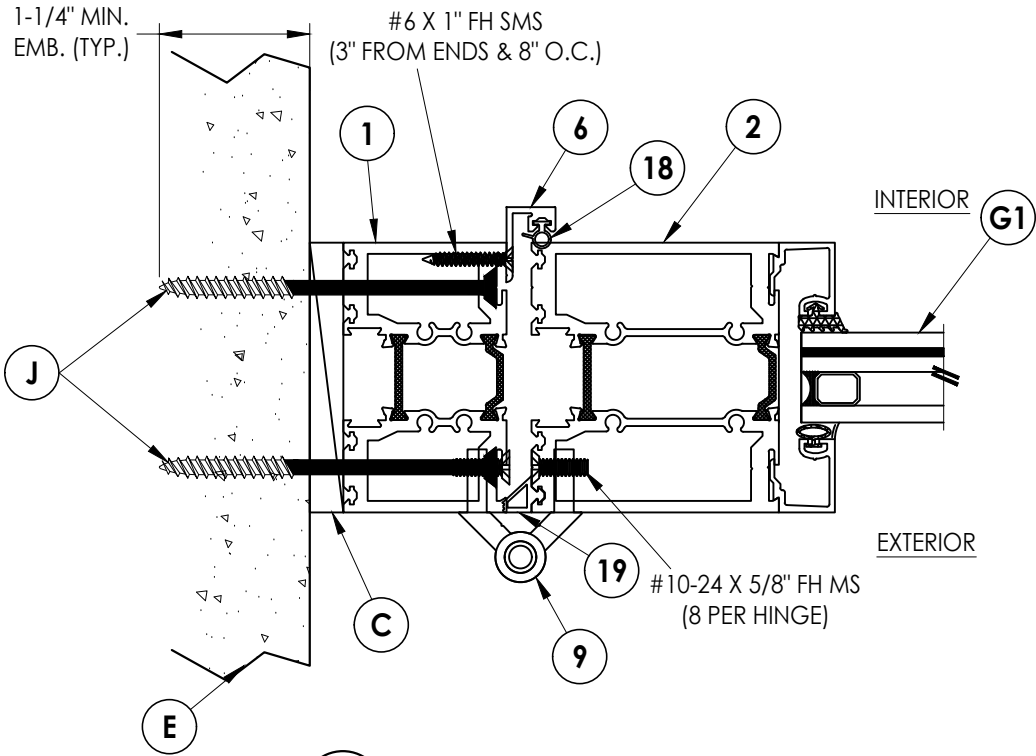
2
5 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck

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 No. 9813			
PRODUCT: THERMA-TRU				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)			
				REVISIONS			
				1	7/03/26	UPDATE TO 9TH ED. (2026)	FBC
				NO.	DATE		BY
DATE: 2/07/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46172.12							
SHEET 5 OF 10							

Z:\2023 FBC Drawings\Therma-Tru\FL-46172 R1\FL 46172.12.dwg



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



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

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

DATE: 2/07/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46172.12

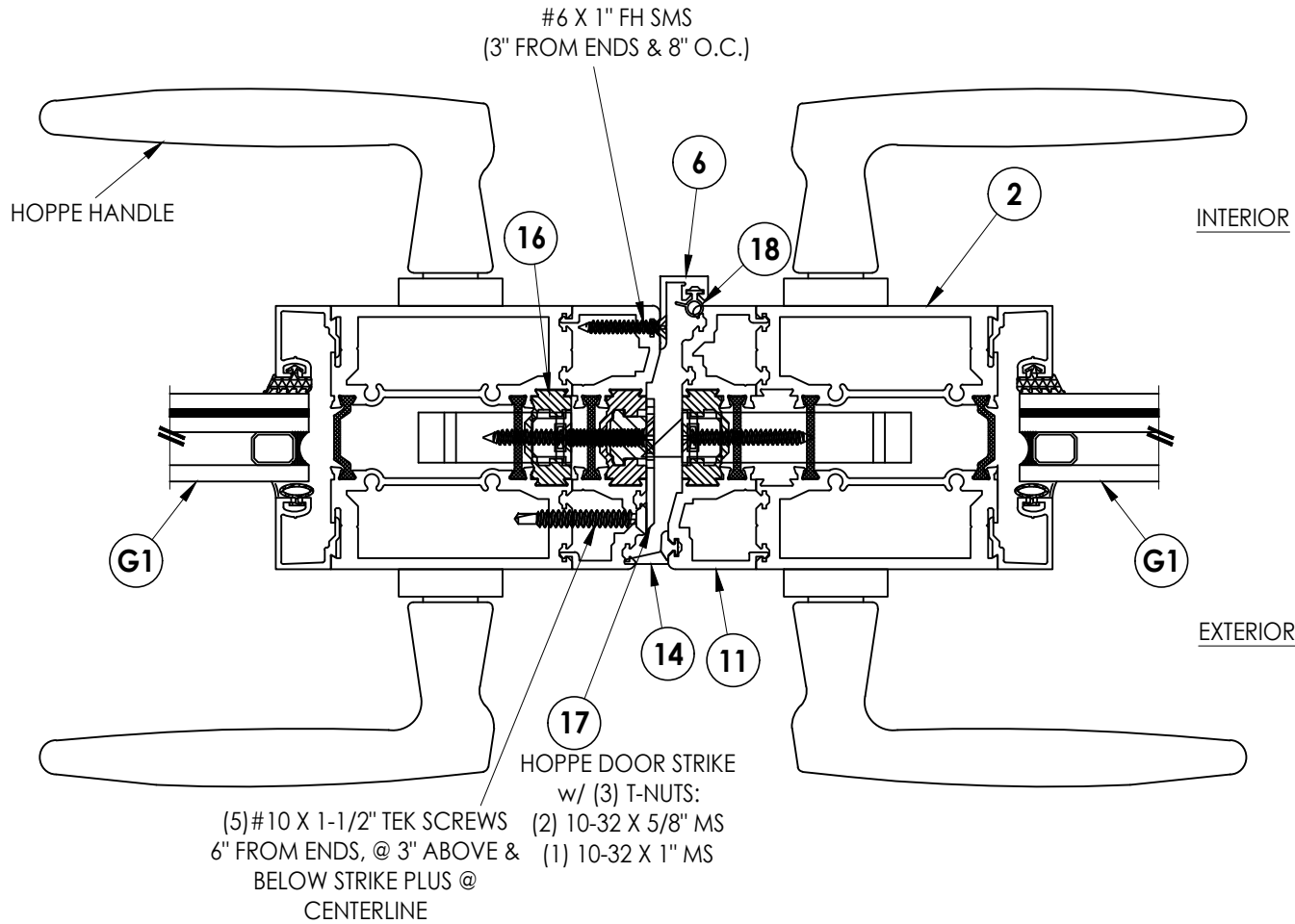
SHEET 6 OF 10

PRODUCT:	PRODUCT:
THERMA-TRU	THERMA-TRU
PART OR ASSEMBLY:	PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)	HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)

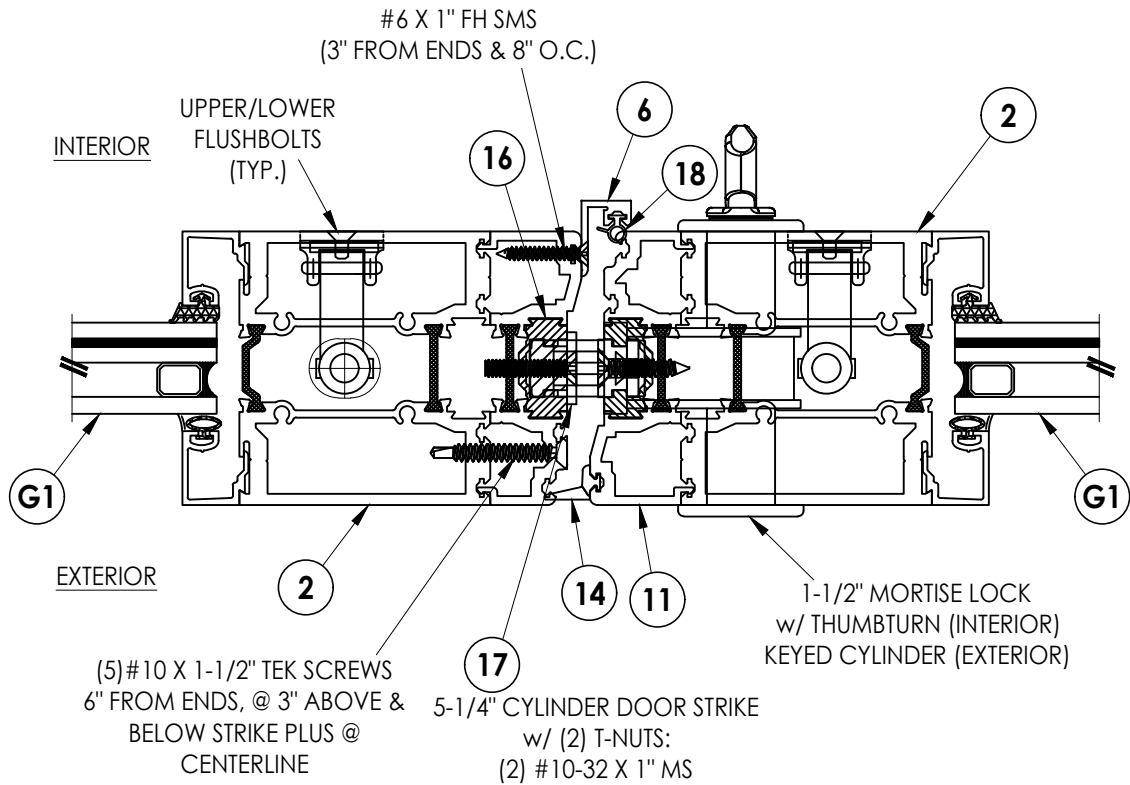
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

Z:\2023 FBC Drawings\Therma-Tru\FL-46172 R1\FL 46172.12.dwg



1
7 HORIZONTAL CROSS SECTION



2
7 HORIZONTAL CROSS SECTION

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:
HORIZONTAL CROSS SECTIONS

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

DATE: 2/07/24

SCALE: N.T.S.

DWG. BY: LFS

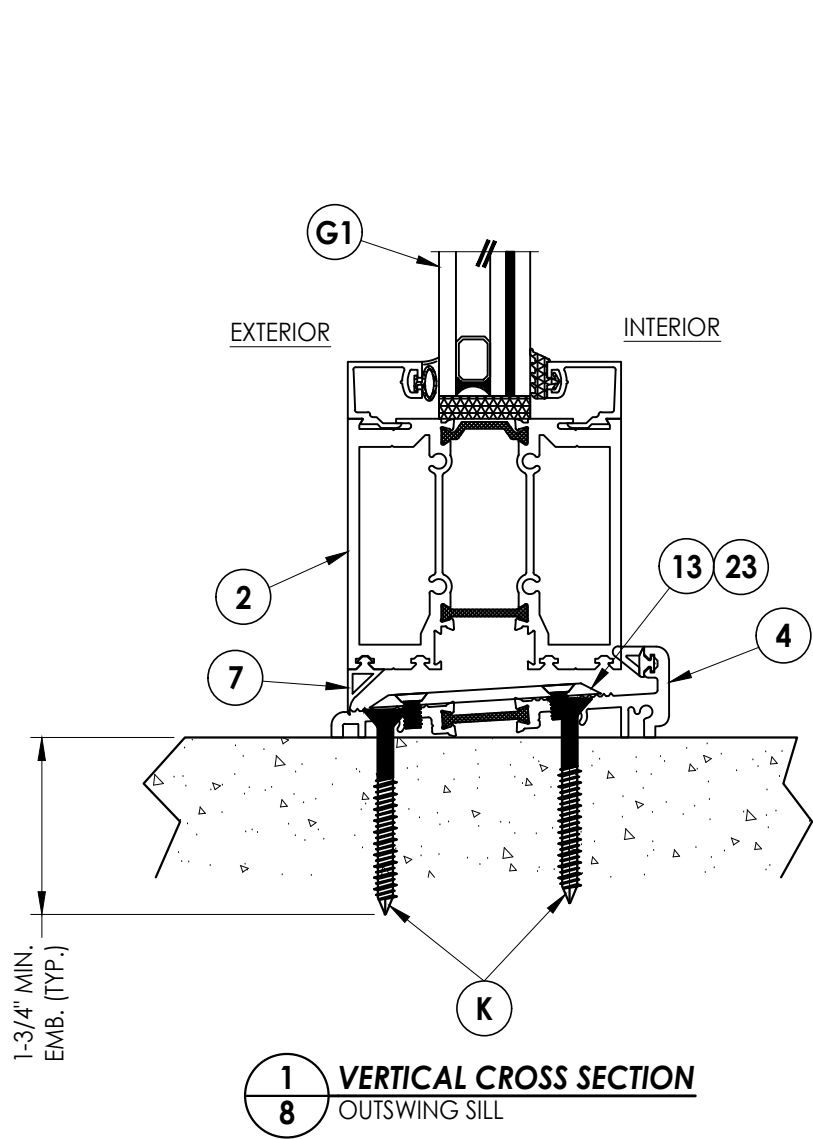
CHK. BY: RW

DRAWING NO.:

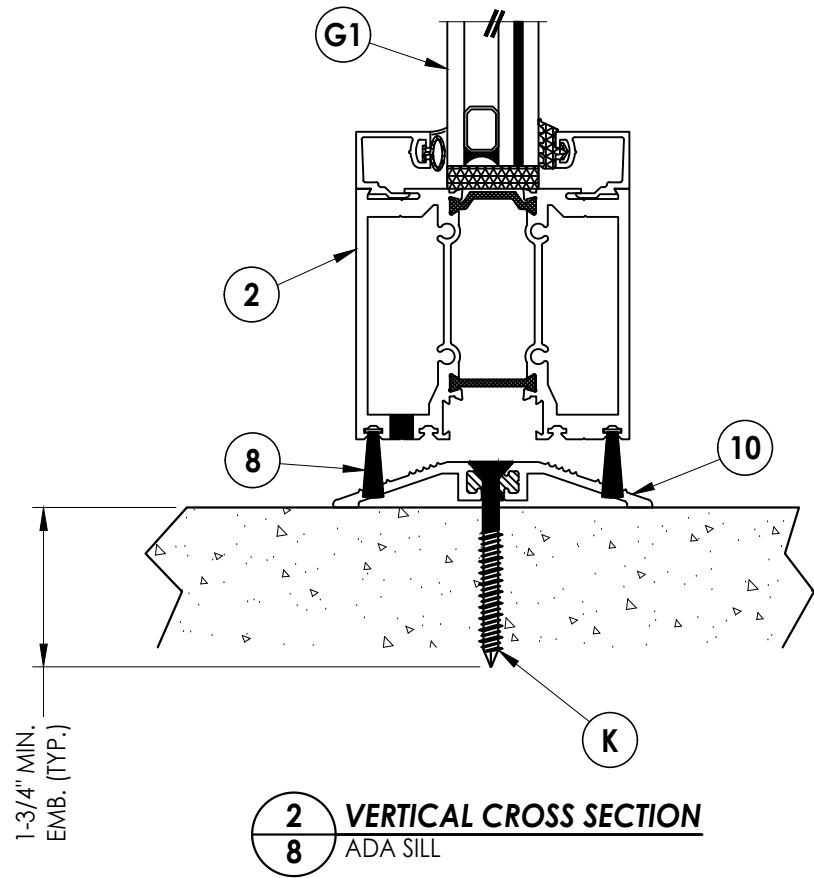
FL-46172.12

SHEET 7 OF 10

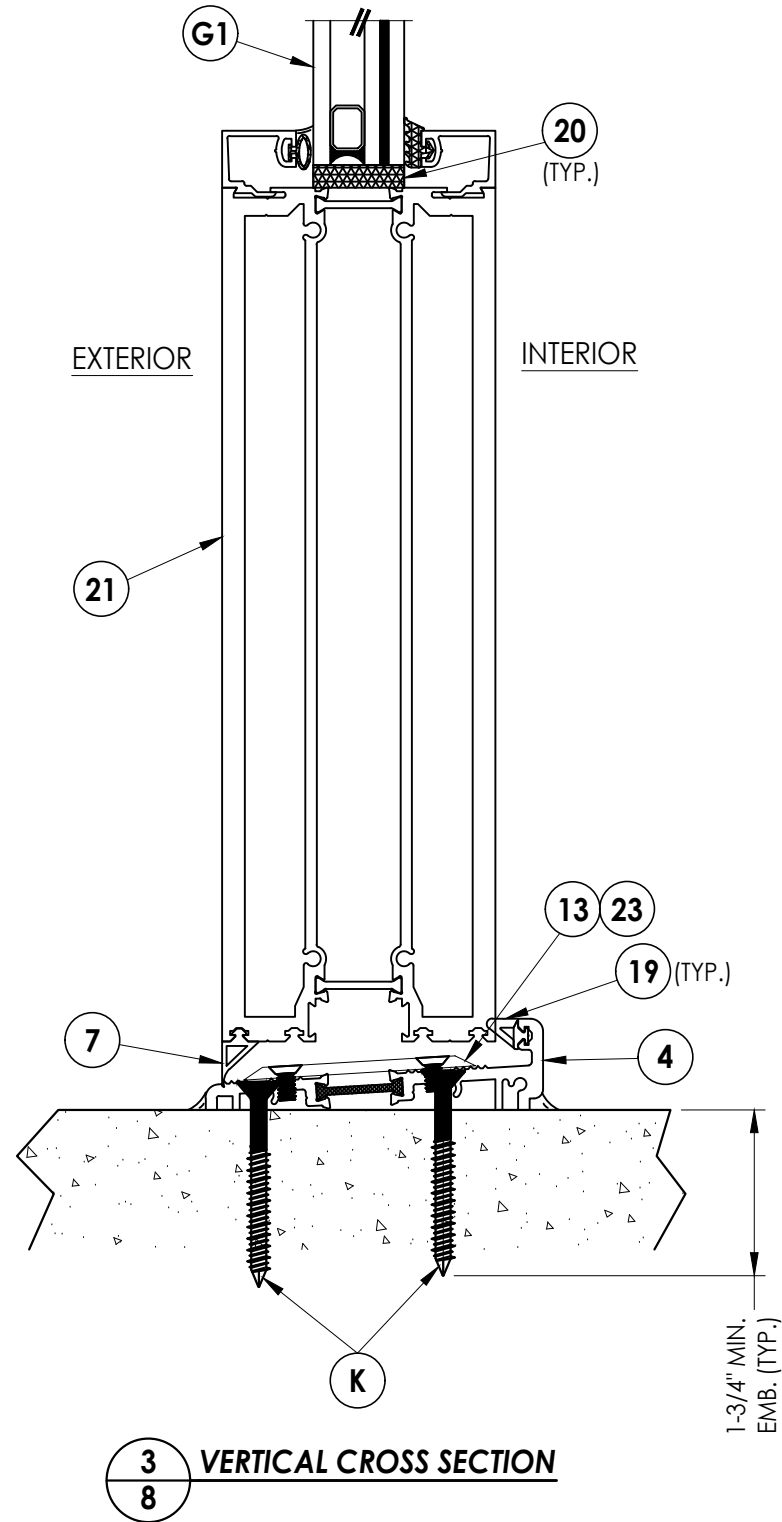
Z:\2023 FBC Drawings\Therma-Tru\FL-46172 R1\FL 46172.12.dwg



1
8 **VERTICAL CROSS SECTION**
OUTSWING SILL



2
8 **VERTICAL CROSS SECTION**
ADA SILL



3
8 **VERTICAL CROSS SECTION**

DATE:	2/07/24
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	RW
DRAWING NO.:	FL-46172.12
SHEET	8 OF 10

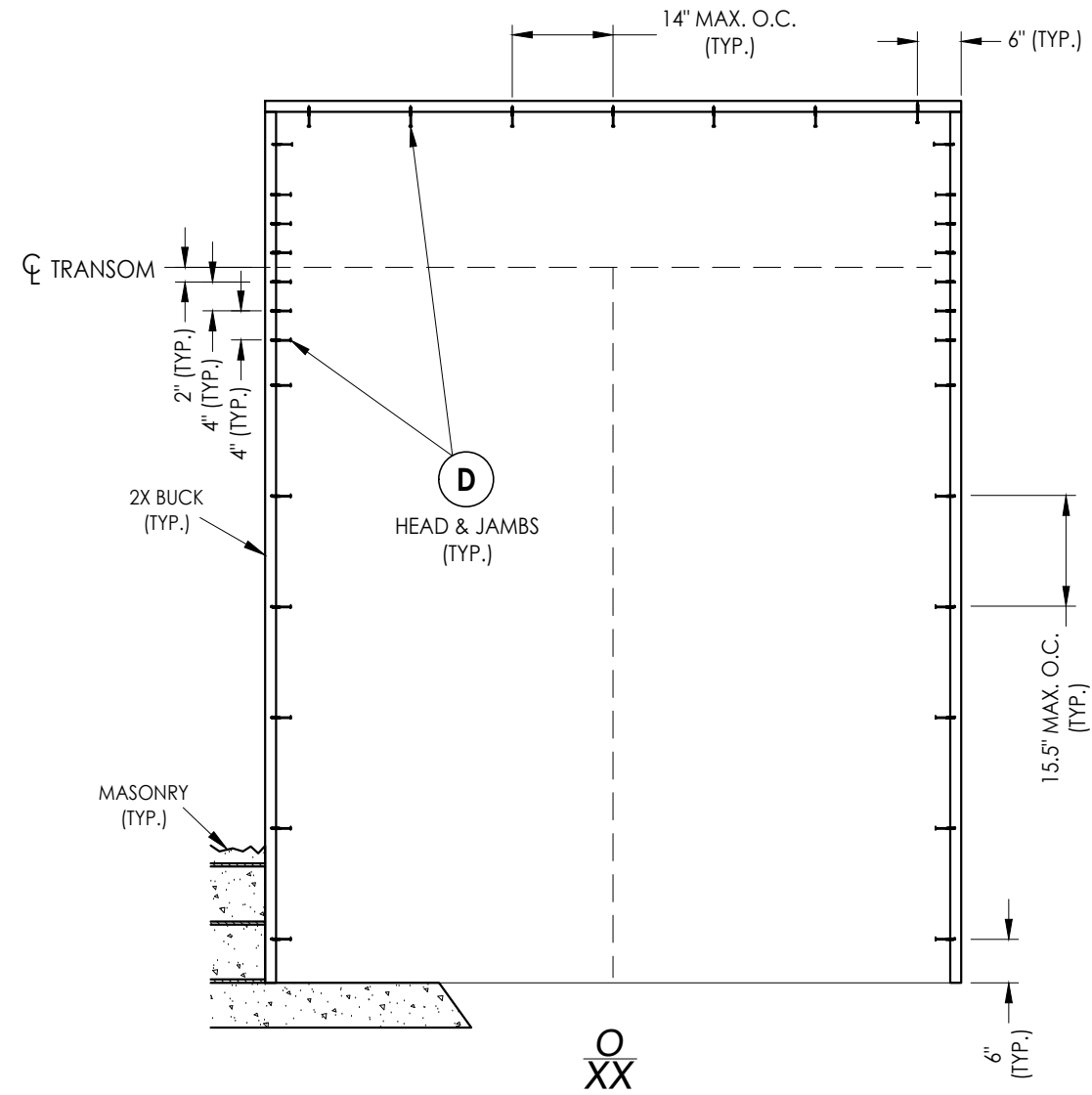
NO.	DATE	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC LFS
		BY

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

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

Z:\2023 FBC Drawings\Therma-Tru\FL-46172 R1\FL 46172.12.dwg



2X BUCK ANCHORING

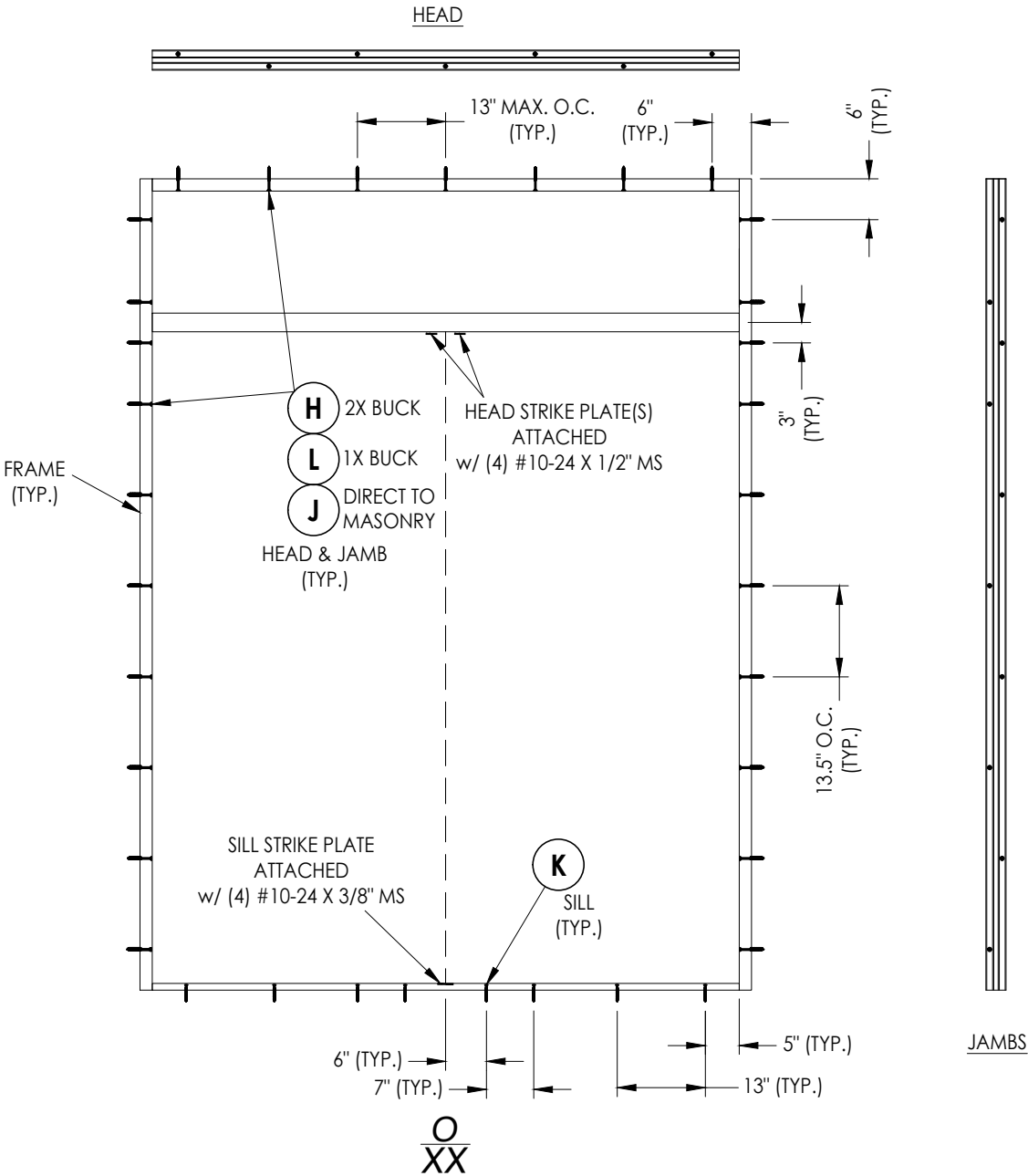
CONCRETE ANCHOR NOTES:

- 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.



FRAME ANCHORING

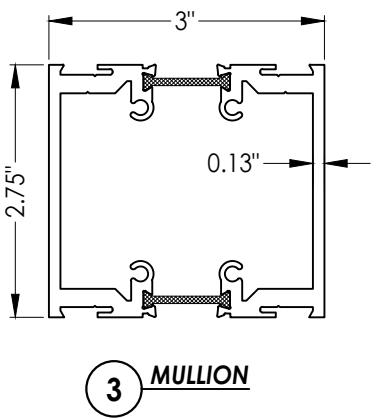
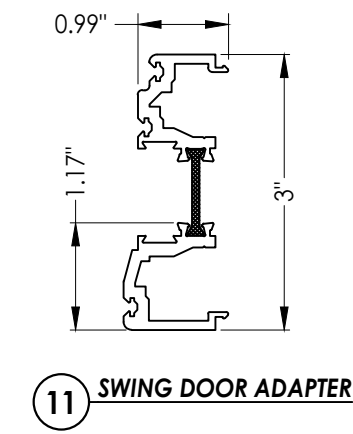
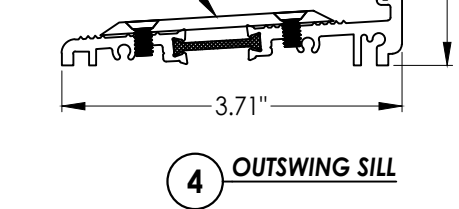
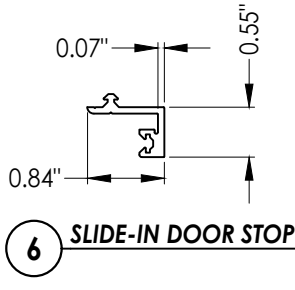
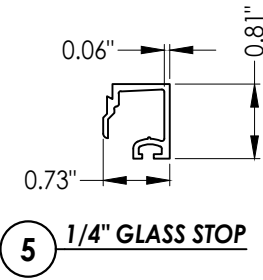
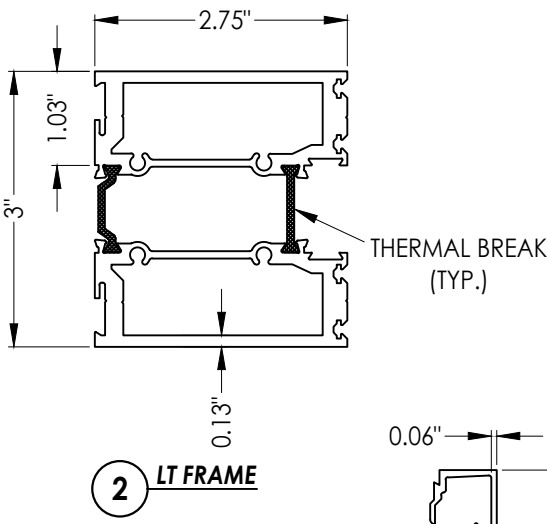
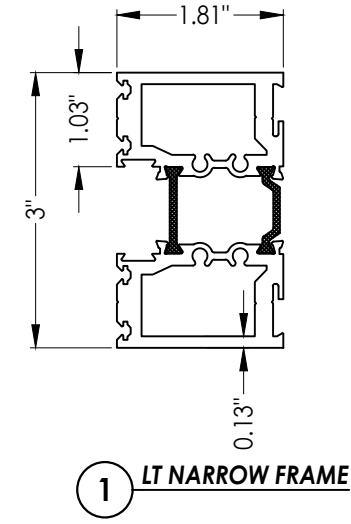
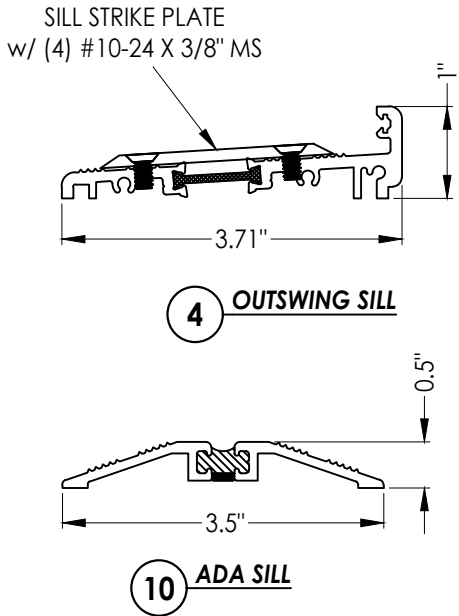
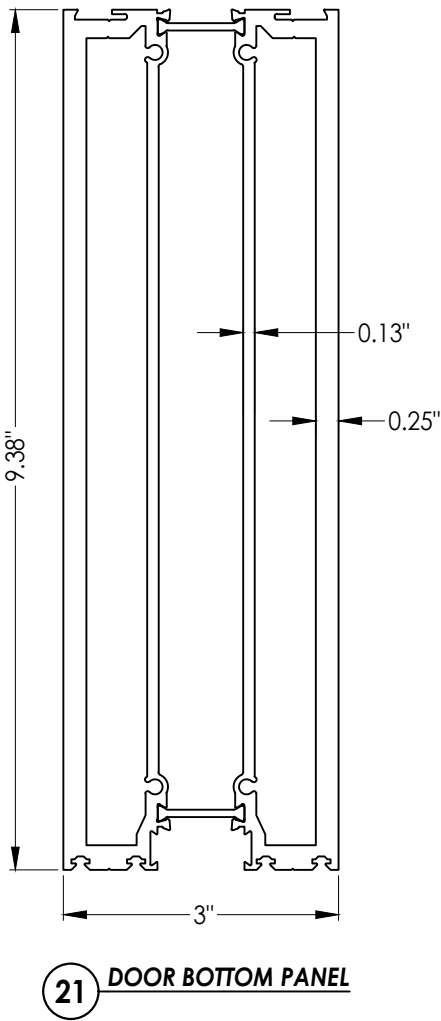
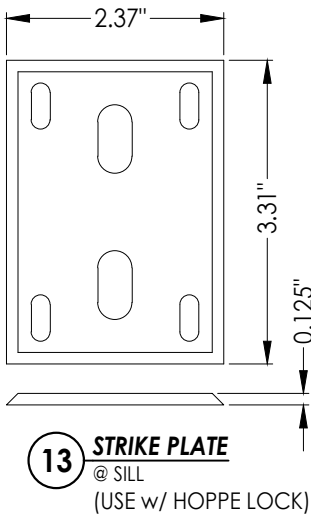
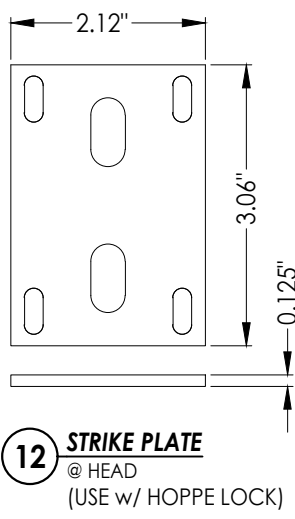
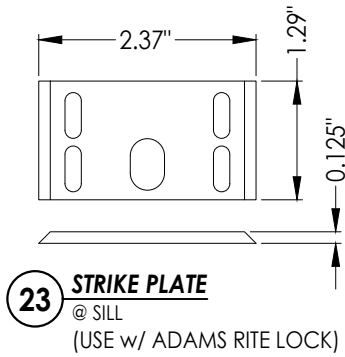
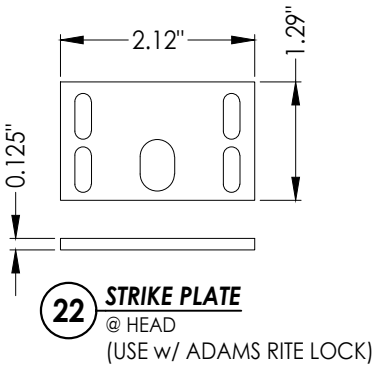
NOTE: ALL FRAME ANCHORS SHOWN ARE STAGGERED EXCEPT FOR THE ADA SILL ANCHORS (SEE CROSS-SECTIONS)

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		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: BUCK & FRAME ANCHORING	
		DATE	BY
		7/03/26	LFS
		UPDATE TO 9TH ED. (2026)	FBC
		NO.	REVISIONS
DATE: 2/07/24			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: RW			
DRAWING NO.: FL-46172.12			
SHEET 9 OF 10			

Z:\2023 FBC Drawings\Therma-Tru\FL-46172 R1\FL 46172.12.dwg

BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 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
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
12	STRIKE PLATE (@ HEAD)	S.S.
13	STRIKE PLATE (@ SILL)	S.S.
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-T6 ALUM
20	REINFORCEMENT (0.12" X 1.08" X 95")	6063-T6 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.



PRODUCT: THERMA TRU		PART OR ASSEMBLY: BILL OF MATERIAL & COMPONENTS	
NO.	DATE	UPDATE TO 9TH ED. (2026)	BY
1	7/03/26	FBC	LFS
REVISIONS			
DATE: 2/07/24			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: RW			
DRAWING NO.: FL-46172.12			
SHEET 10 OF 10			

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