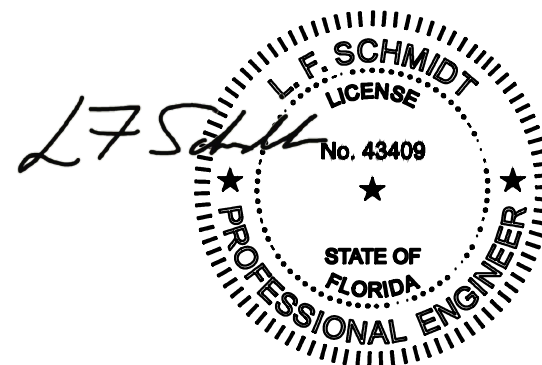




Digitally signed by Lyndon F
Schmidt
Date: 2026.10.05 08:14:14 -04'00'

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

R^gW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

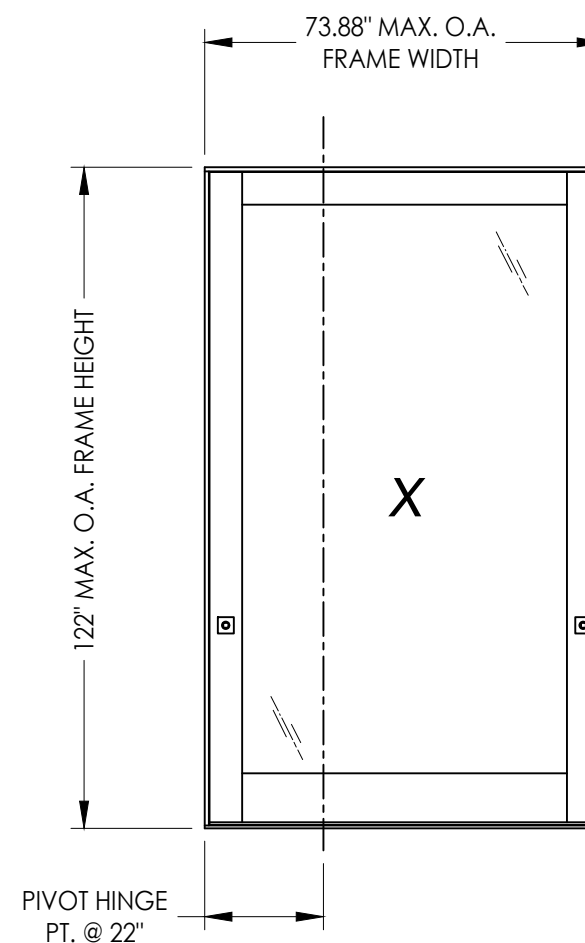
WOOD PIVOT DOOR

"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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and excludes Wind Zone 4 as defined in ASTM E 1996.
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.

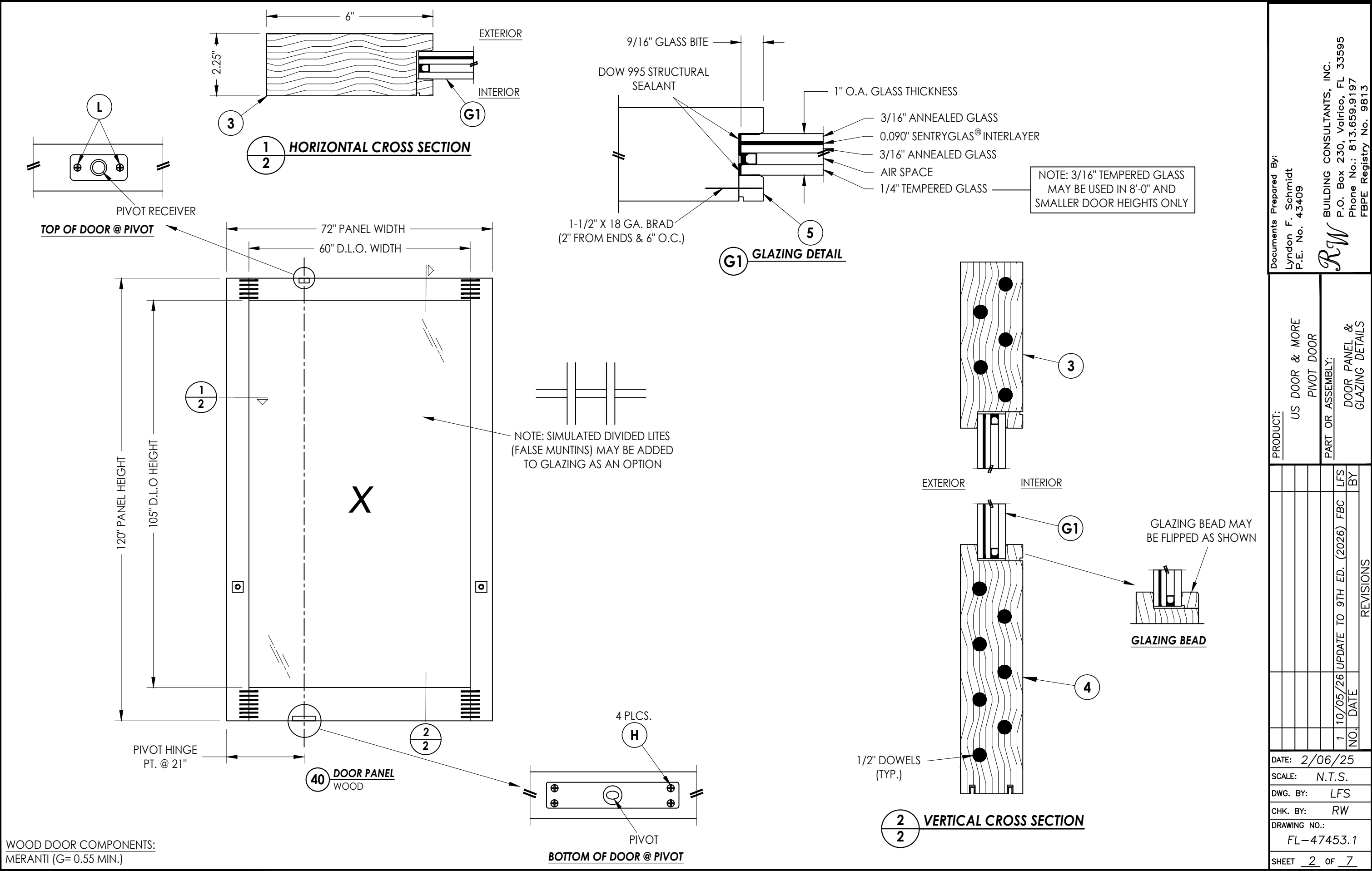
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel & glazing details
3	Elevations
4	Horizontal cross sections
5	Vertical cross sections
6	Buck & frame anchoring
7	Bill of materials & components



PIVOT HINGE LOCATION	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
PIVOT HINGE PT. @ 22"	73.88" X 122.0"	60.0" X 105.0"	G1	+50.0	-50.0

[illegible]

Z:\2023 FBC Drawings\US Door & More\FL-47453 Pivot Door\FL-47453.1.dwg



* NOTE: PIVOT HINGE LOCATION VARIES
w/ DOOR PANEL WIDTH AS FOLLOWS:

<u>DOOR WIDTH/HINGE LOCATION</u>
72"/21", 60"/15", 48"/9", 42"/5"

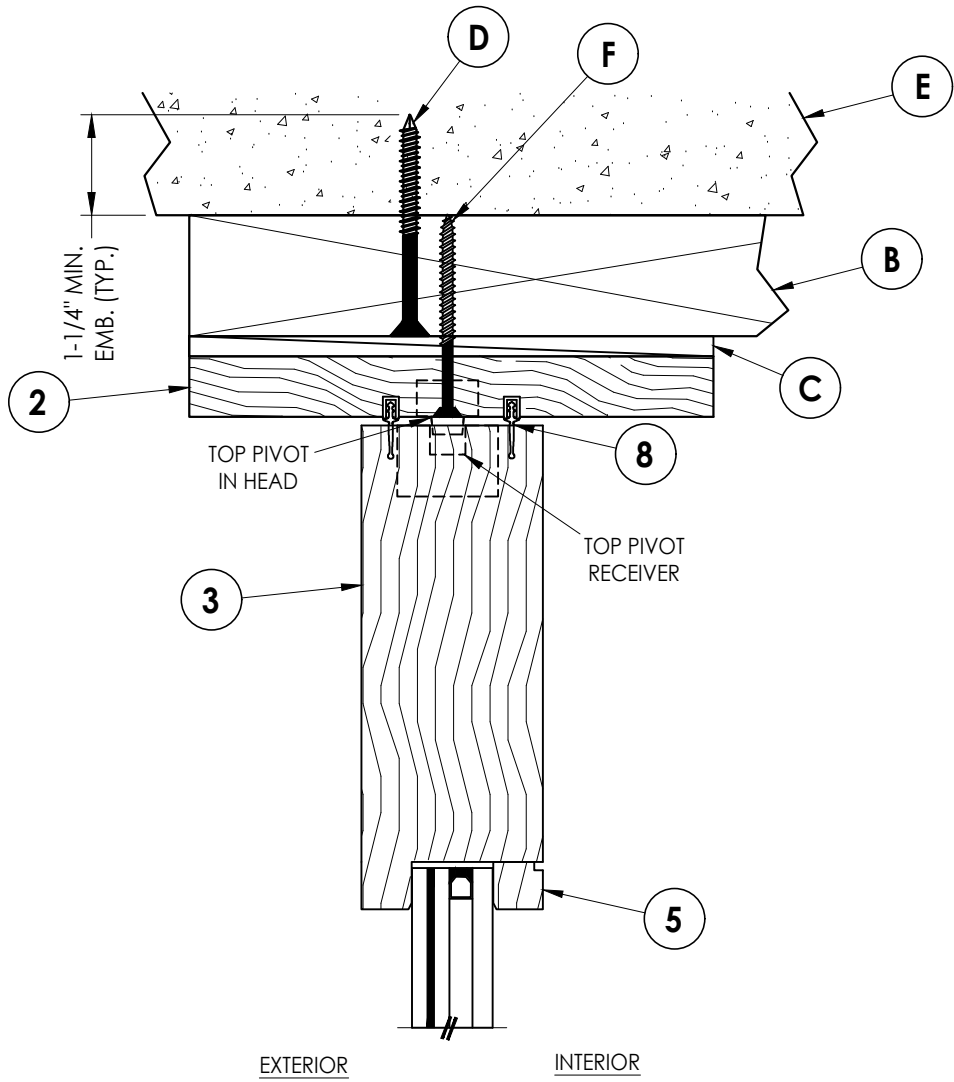
[illegible]

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

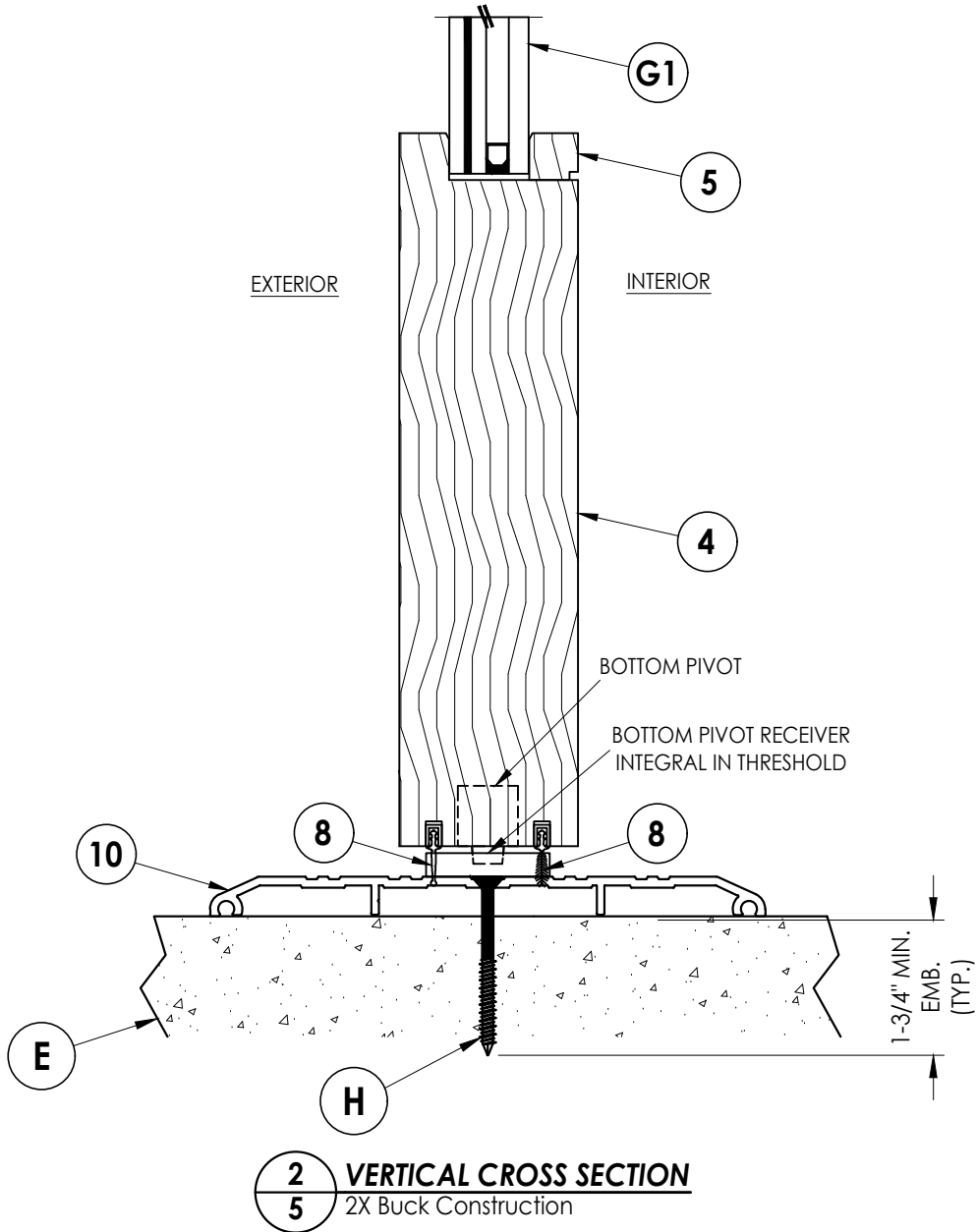
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE: 2/06/25		DRAWING NO.: FL-47453.1	
SCALE: N.T.S.		SHEET 4 OF 7	
DWG. BY: LFS		CHK. BY: RW	
NO.		DATE	
1		10/05/26	
FBC		UPDATE TO 9TH ED. (2026)	
LFS		BY	
REVISIONS		PART OR ASSEMBLY:	
HORIZONTAL		US DOOR & MORE	
CROSS SECTIONS		PIVOT DOOR	
PRODUCT:		PART OR ASSEMBLY:	
US DOOR & MORE		PIVOT DOOR	
P.E. No. 43409		P.O. Box 230, Valrico, FL 33595	
Lyndon F. Schmidt		Phone No.: 813.659.9197	
Documents Prepared By:		FBPE Registry No. 9813	
RW		BUILDING CONSULTANTS, INC.	

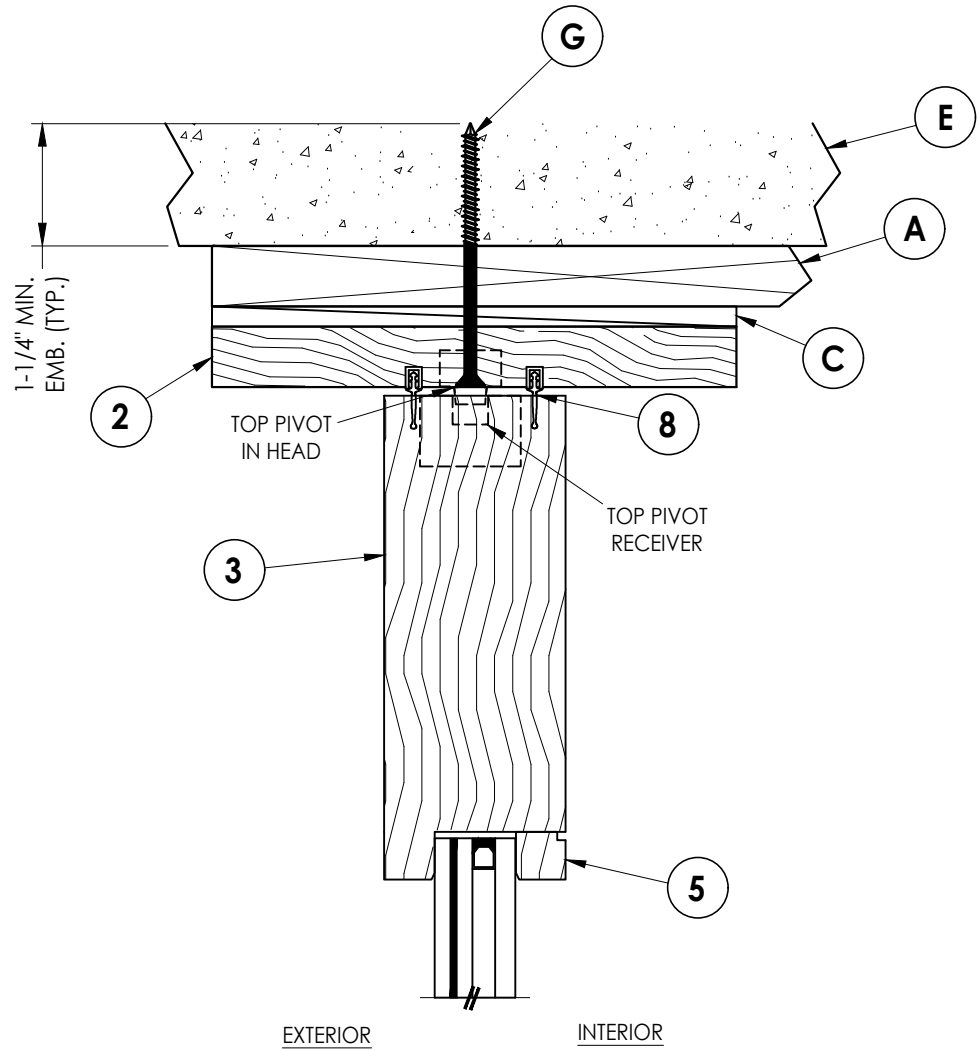
Z:\2023 FBC Drawings\US Door & More\FL-47453 Pivot Door\FL-47453.1.dwg



1
5 VERTICAL CROSS SECTION
2X Buck Construction



2
5 VERTICAL CROSS SECTION
2X Buck Construction

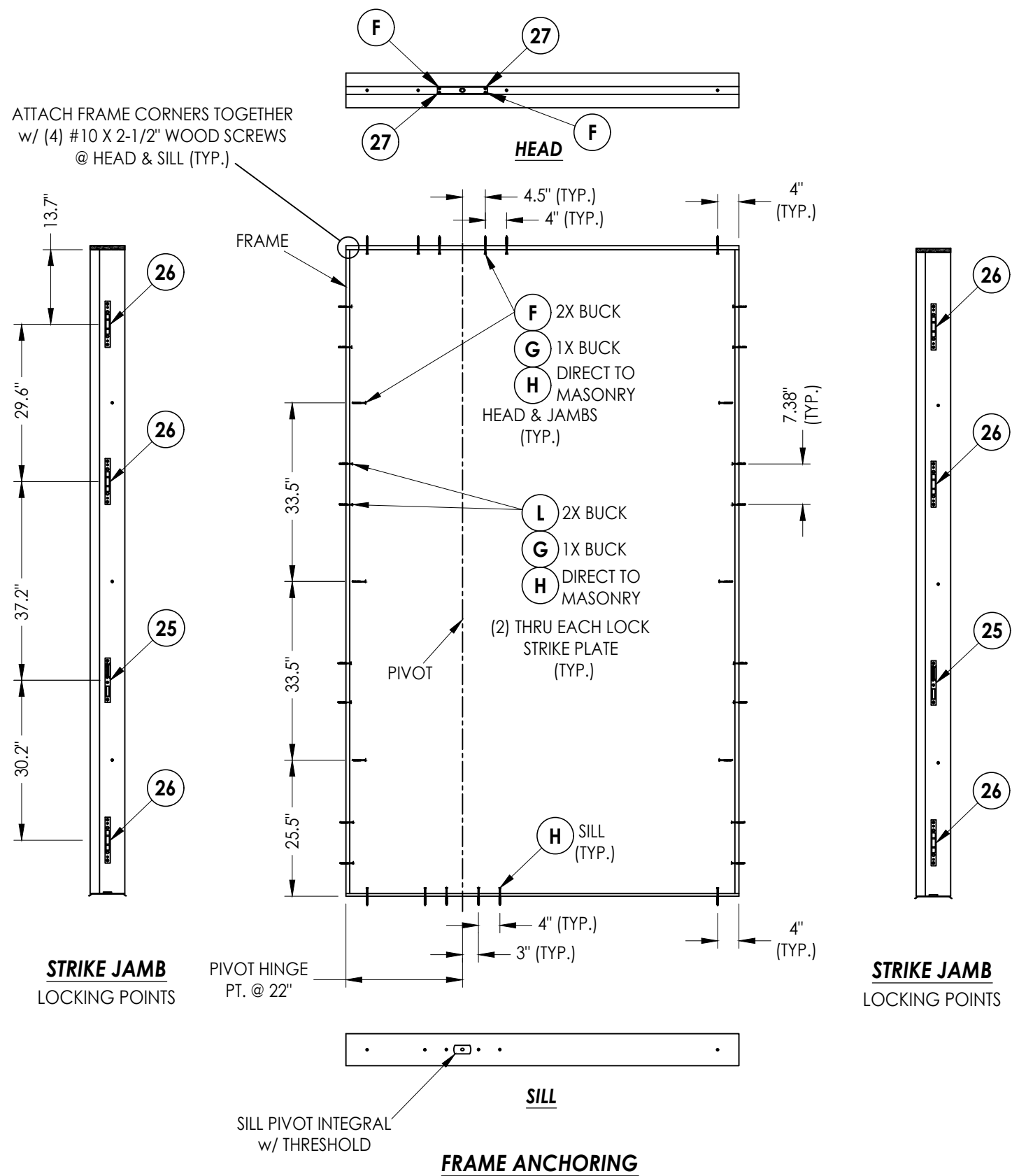
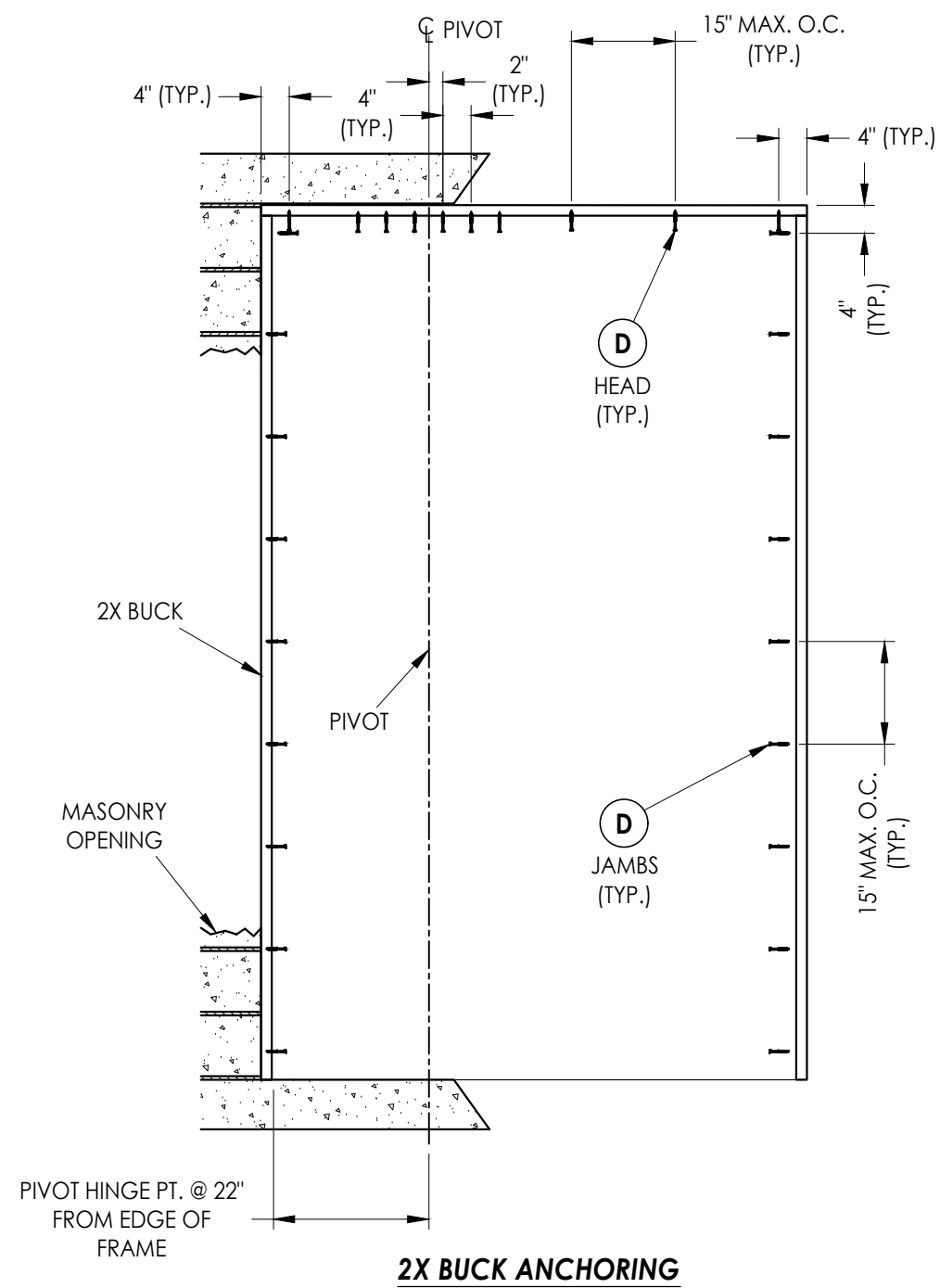


3
5 VERTICAL CROSS SECTION
1X Buck Construction

PRODUCT:		US DOOR & MORE	
		PIVOT DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
		REVISIONS	
		DATE: 2/06/25	
		SCALE: N.T.S.	
		DWG. BY: LFS	
		CHK. BY: RW	
		DRAWING NO.: FL-47453.1	
		SHEET 5 OF 7	

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

[illegible]

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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" FH DeWALT CONCRETE SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PFH WOOD SCREW	STEEL
G	1/4" X 3-1/4" FH DeWALT CONCRETE SCREW (1-1/4" MIN. EMBEDMENT)	STEEL
H	1/4" X 2-1/4" FH DeWALT CONCRETE SCREW (1-3/4" MIN. EMBEDMENT)	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW	STEEL
1	WOOD JAMB	WOOD
2	WOOD HEAD	WOOD
3	WOOD STILE & TOP RAIL	WOOD
4	WOOD BOTTOM RAIL	WOOD
5	GLASS STOP (7/8")	WOOD
7	WEATHERSTRIP	-
8	RUBBER GASKET OR BRUSH SEAL	-
10	THRESHOLD	ALUM
23	MULTIPOINT LOCK (LATCH & DEADBOLT w/ ROUND BOLT/SWING HOOKS)	-
24	MULTIPOINT LOCK (LATCH & DEADBOLT w/ ROLLER LATCHES)	-
25	LATCH & DEADBOLT STRIKE PLATE	STEEL
26	ROUND BOLT/SWING HOOK/ROLLER LATCH STRIKE PLATE	STEEL
27	#10 X 1" PFH SMS	STEEL

ALL FRAME & DOOR PANEL WOOD: MERANTI (G= 0.55)

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.

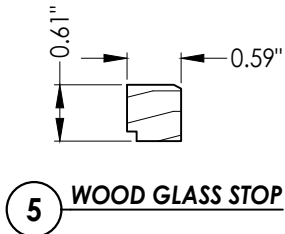
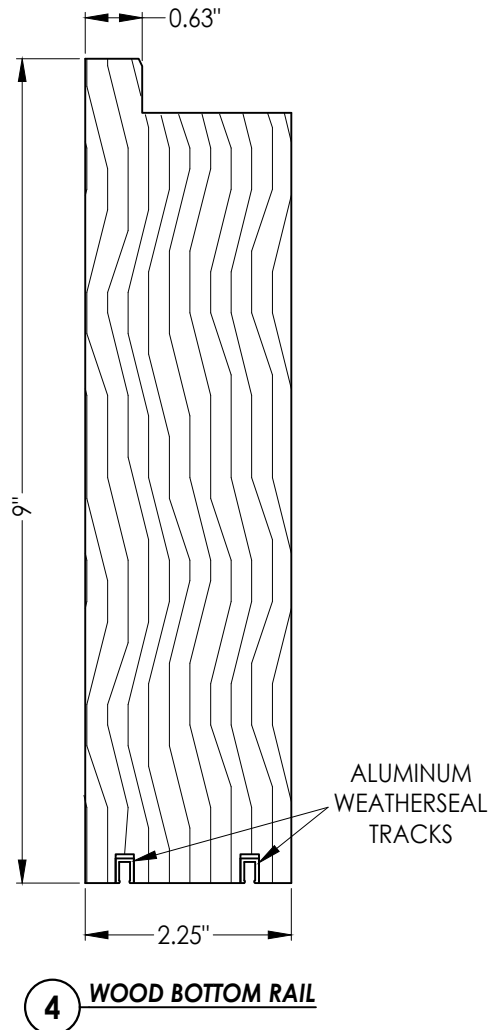
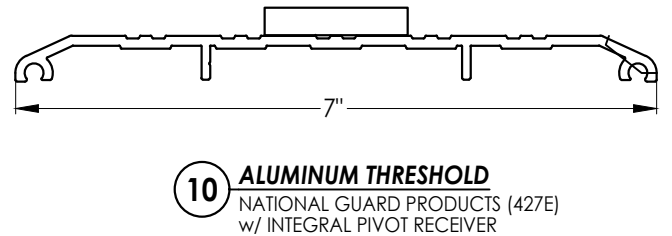
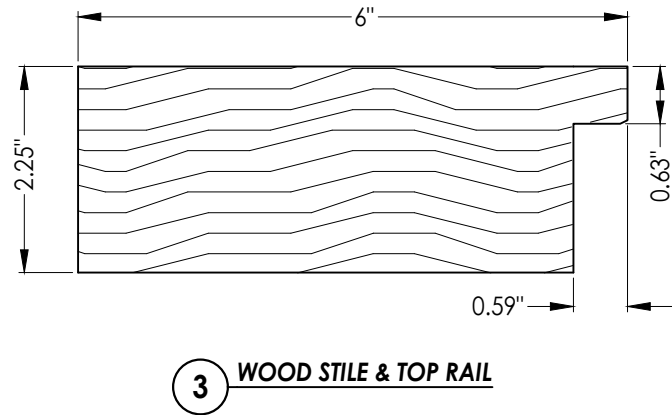
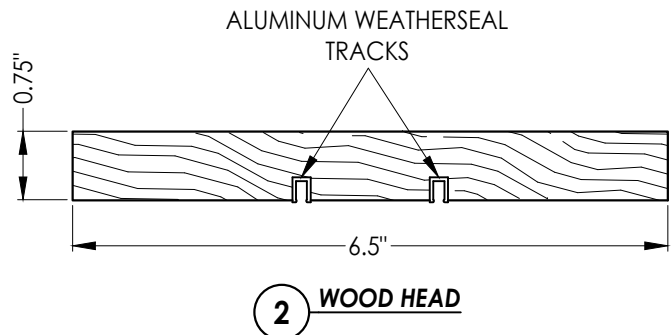
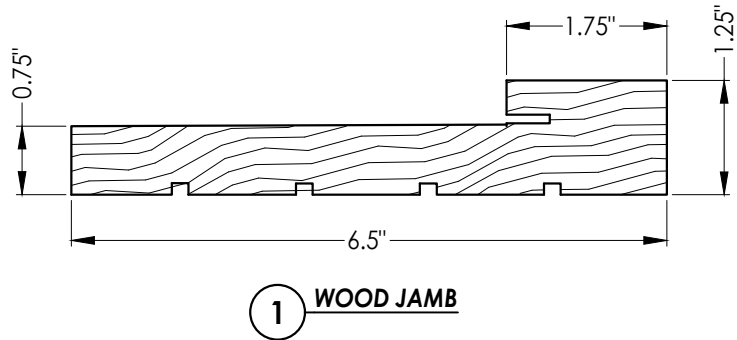
CONCRETE ANCHOR NOTES:

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 (AS SHOWN)	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
DeWALT ULTRACON [®] +	3/16"	1-1/4"	2-1/2"	1-1/2"
	1/4"	1-1/4" - 1-3/4"	2-1/2"	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.

[illegible]