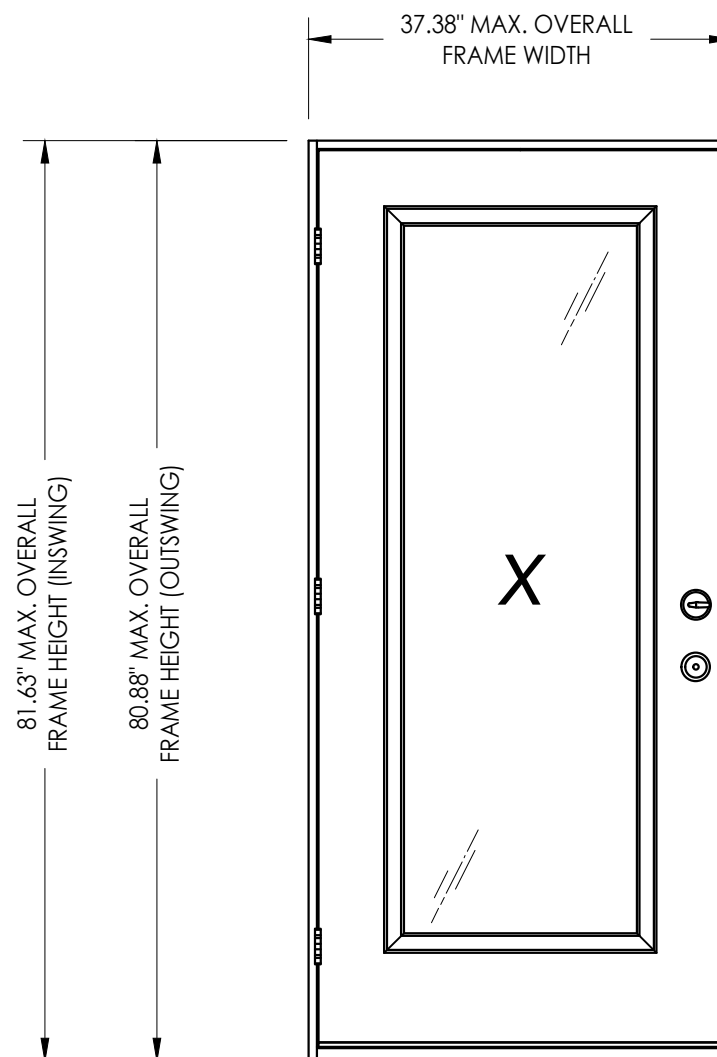




1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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 E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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.

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.38" x 81.75"	+50.0	-50.0	+45.0	-45.0



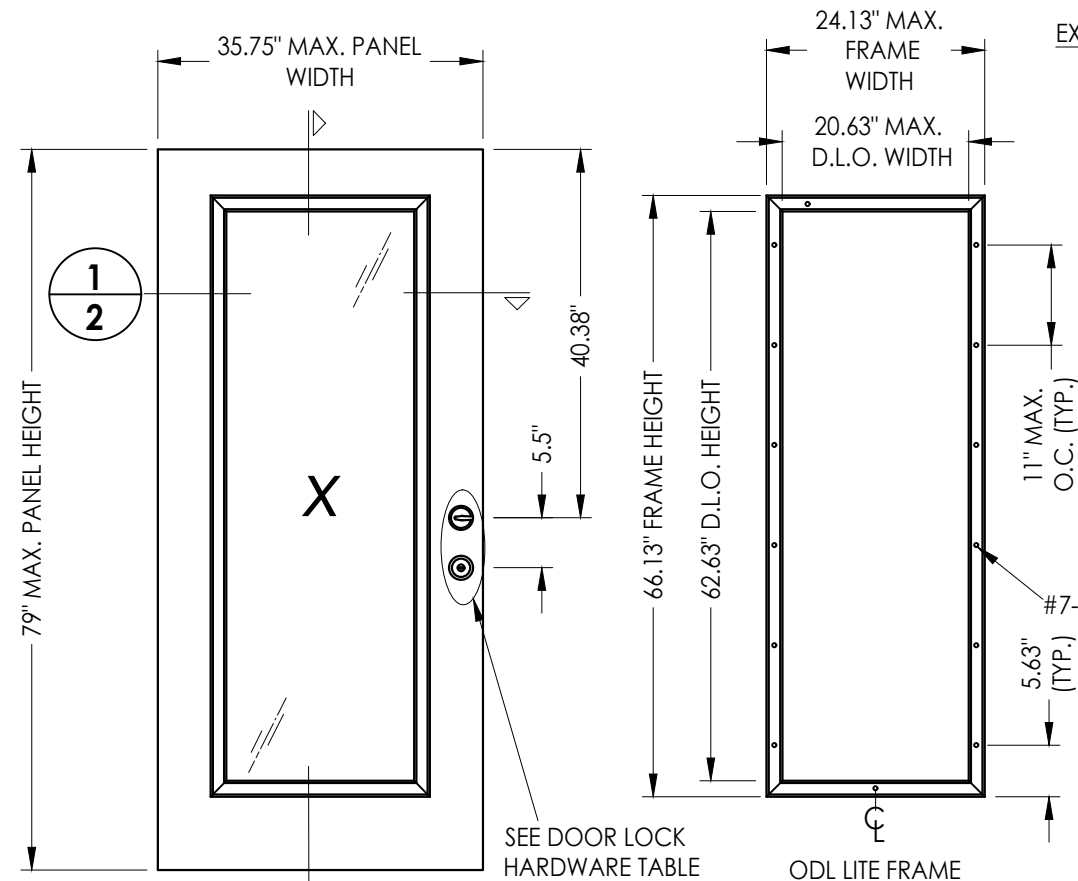
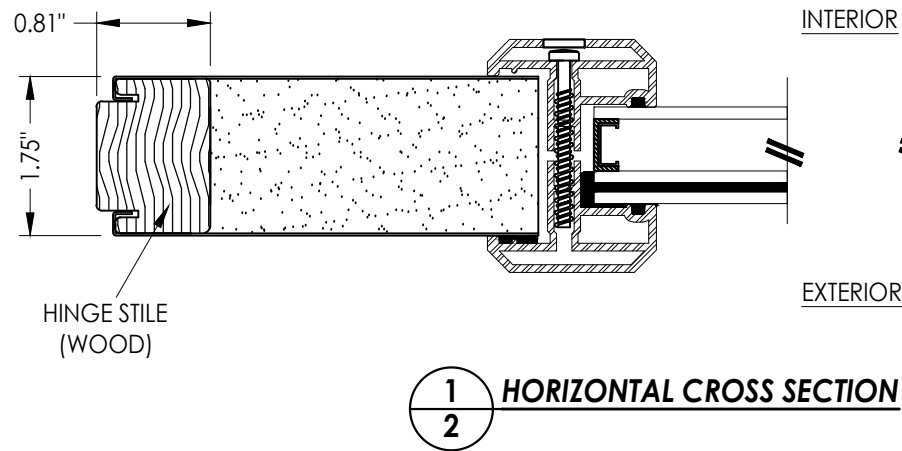
Digitally signed by Lyndon F
Schmidt
Date: 2026.07.16 07:51:05 -04'00'

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

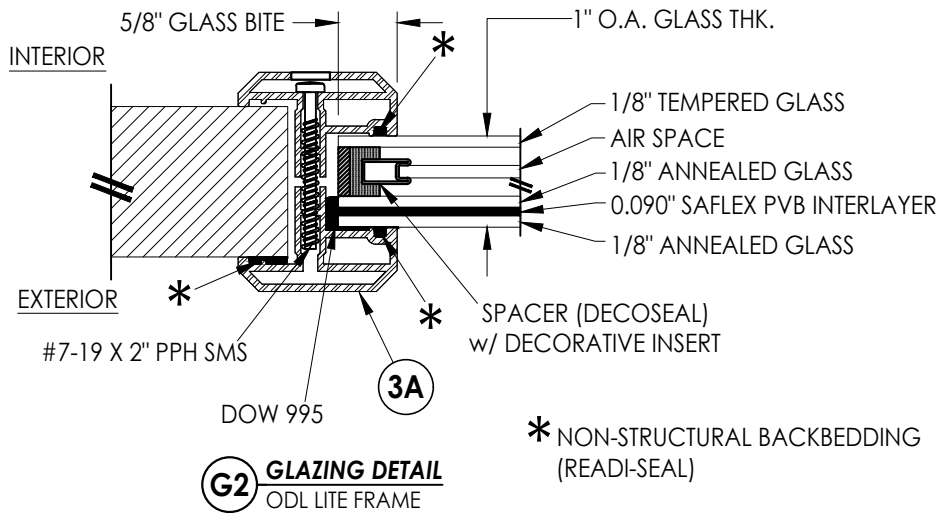
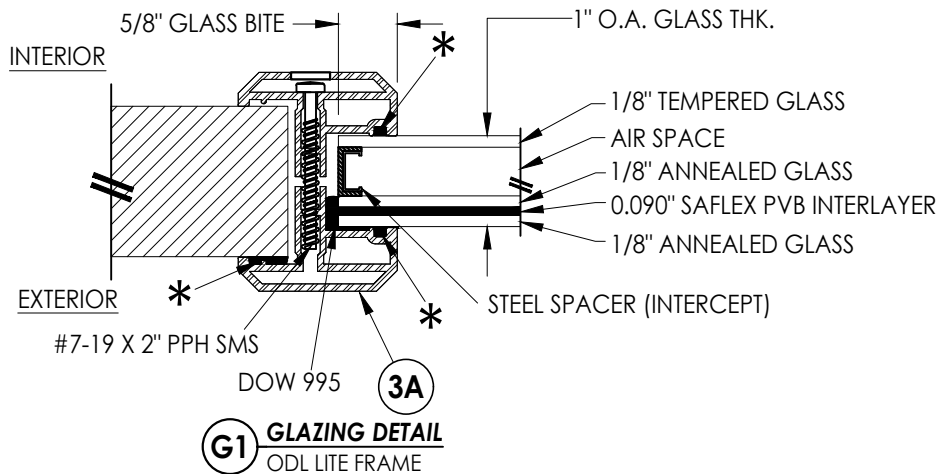
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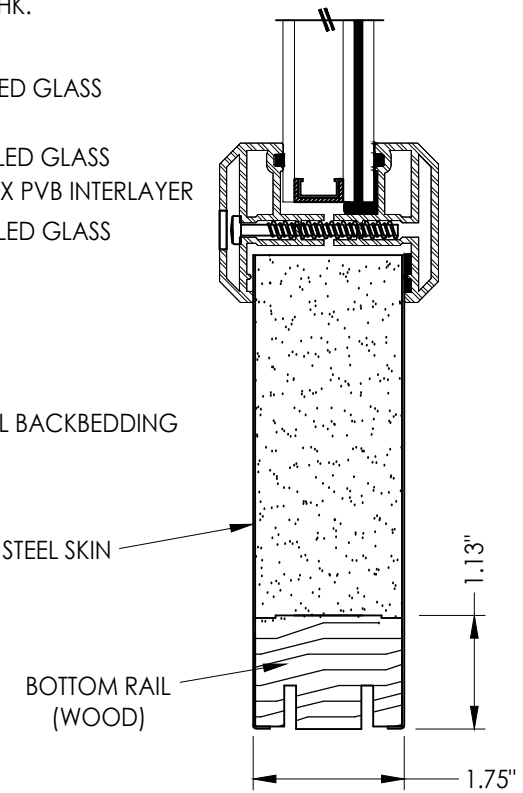
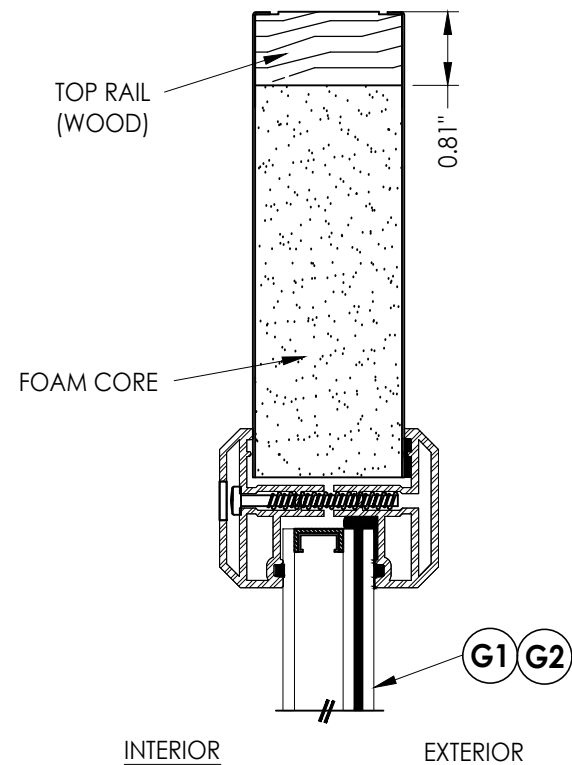
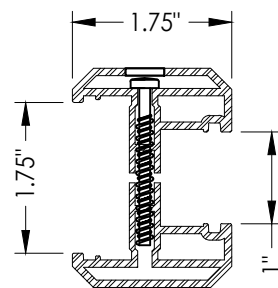


40 STEEL DOOR PANEL
ODL, INC.

STEEL SKIN: 25 GA. (0.018" MIN. THK.)
FOAM CORE: POLYUREHTANE



HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)
SCHLAGE	Knob:	F-SERIES (F51)
	DEADBOLT:	B-SERIES (B60)



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 No. 9813

PRODUCT:	ODL, INC. STEEL DOOR	
	PART OR ASSEMBLY: DOOR PANEL DETAILS	

						REVISIONS	
						NO.	DATE
						4	7/02/26
						3	3/30/26

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-29651.10

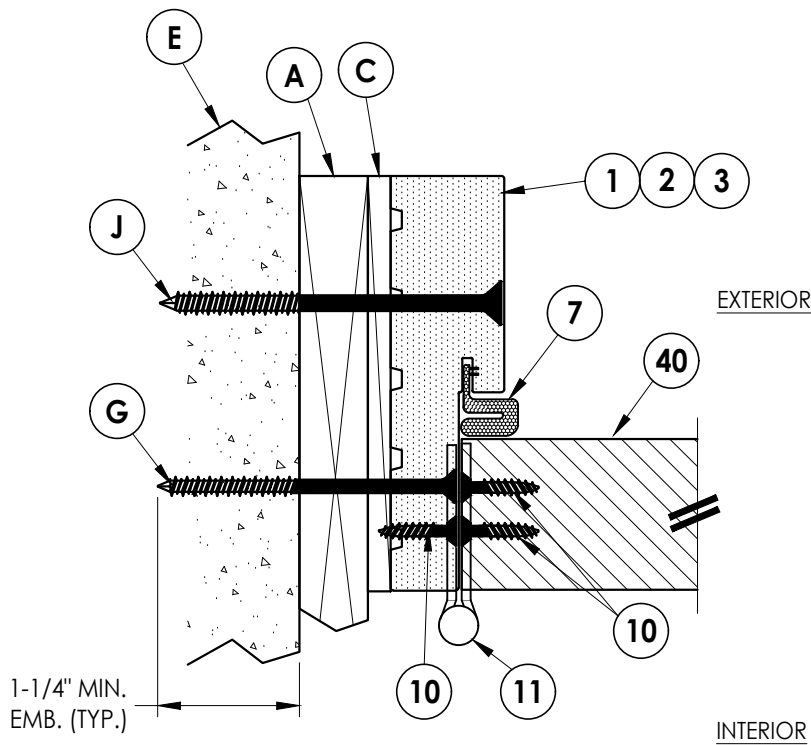
SHEET 2 OF 8

Technical drawing of a wall anchor assembly. The drawing shows a cross-section of a wall with a concrete base and a brick or block structure. The assembly includes a wall anchor (1) with a nut (2) and a washer (3). A bracket (7) is attached to the anchor. A plate (40) is shown with a hole (10) and a bolt (11). The drawing is labeled with letters A through F and numbers 1 through 11. Dimensions include 0.15" C'SINK (TYP.) and 1-1/4" MIN. EMB. (TYP.).

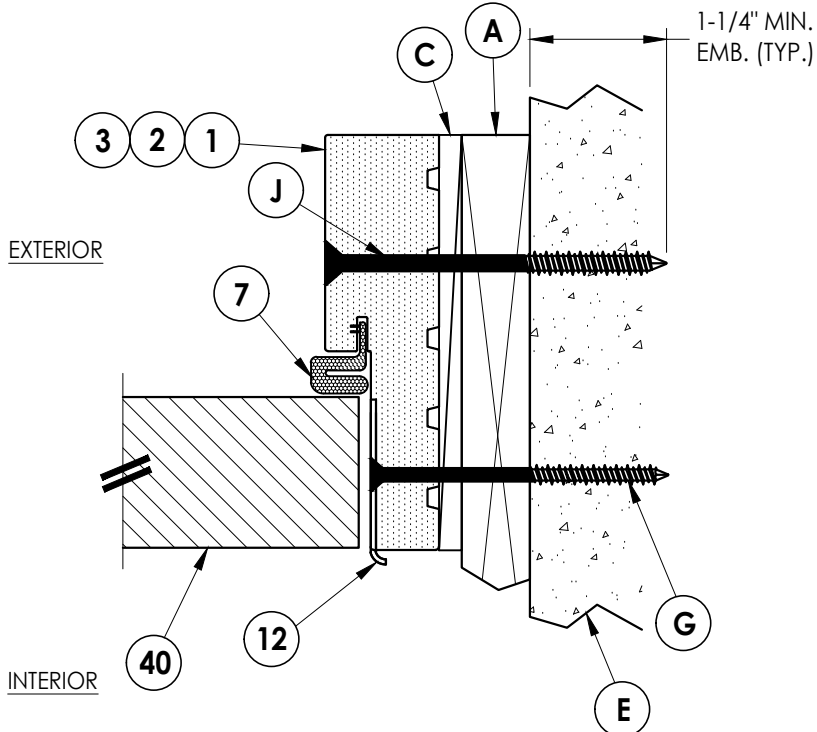
Technical drawing of a wall assembly cross-section. The drawing shows a concrete foundation (40) with a vertical wall (1) on top. The wall has a central vertical cavity (C) and is filled with insulation (F). A horizontal section (B) is shown above the wall. The wall is anchored into the foundation with three horizontal bolts (7) and a vertical anchor (12). The wall is also shown with a vertical section (E) and a horizontal section (D). The wall is labeled with various numbers (3, 2, 1, 7, 40, 12, L) and letters (C, B, E, D, F). A dimension line at the bottom right indicates a minimum thickness of 1-1/4" MIN. EMB. (TYP.).

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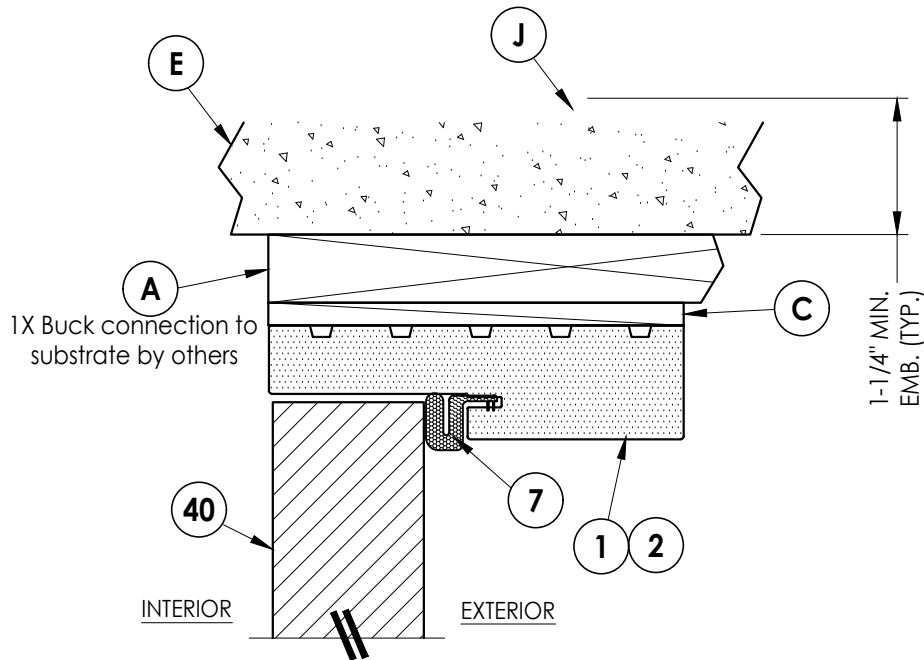
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1 **HORIZONTAL CROSS SECTION**
4 Inswing Shown (Outswing Similar)
1X Buck Construction



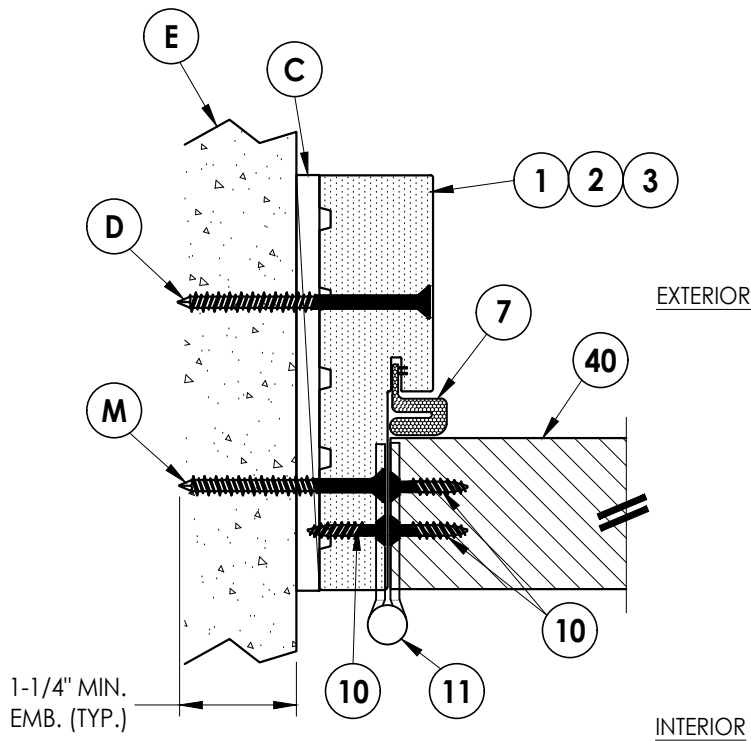
2 **HORIZONTAL CROSS SECTION**
4 Inswing Shown (Outswing Similar)
1X Buck Construction



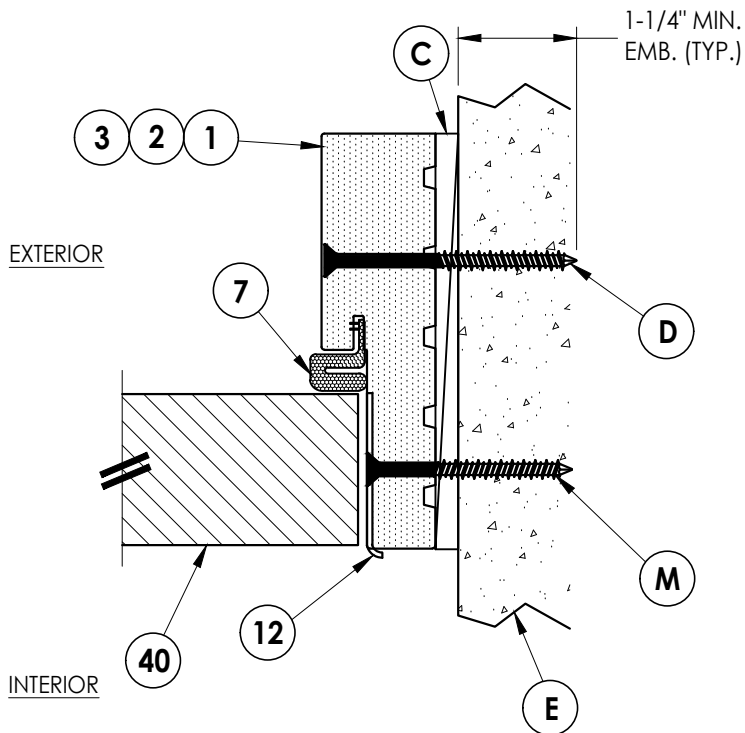
3 **VERTICAL CROSS SECTION**
4 Inswing Shown (Outswing Similar)
1X Buck Construction

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 No. 9813									
PRODUCT: ODL, INC. STEEL DOOR										PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)									
										4	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS					
										3	3/30/26	MANUFACTURER'S NAME CHANGE		LFS					
										NO.	DATE			BY					
										REVISIONS									
DATE: 3/18/26																			
SCALE: N.T.S.																			
DWG. BY: LFS																			
CHK. BY: RW																			
DRAWING NO.: FL-29651.10																			
SHEET 4 OF 8																			

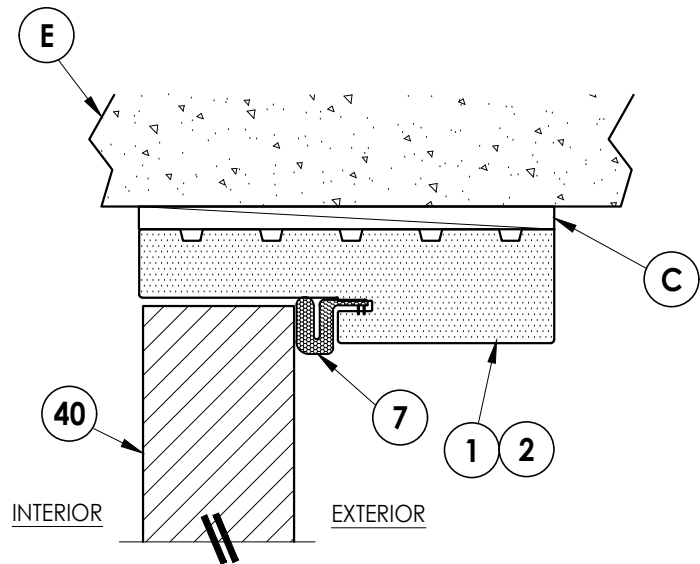
Z:\2023 FBC Drawings\ODL, Inc\FL-29651 R3\FL-29651.10-12.dwg



1 **HORIZONTAL CROSS SECTION**
5 Inswing Shown (Outswing Similar)
Shown Direct to Masonry

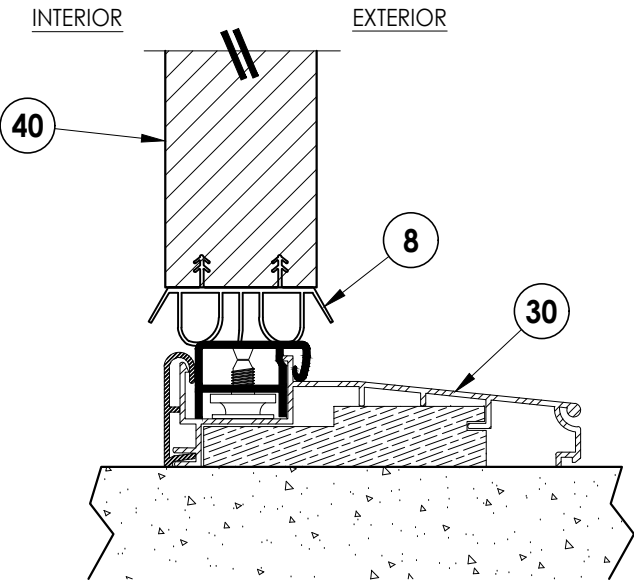


2 **HORIZONTAL CROSS SECTION**
5 Inswing Shown (Outswing Similar)
Shown Direct to Masonry



3 **VERTICAL CROSS SECTION**
5 Inswing Shown (Outswing Similar)
Shown Direct to Masonry

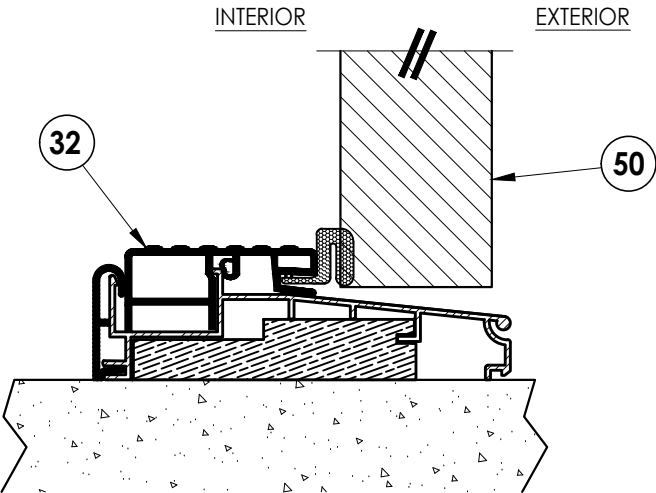
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: ODL, INC. STEEL DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)			
				LFS			
				UPDATE TO 9TH ED. (2026) FBC			
				MANUFACTURER'S NAME CHANGE			
				NO.	DATE		BY
				REVISIONS			
DATE: 3/18/26							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-29651.10							
SHEET 5 OF 8							



1

6

VERTICAL CROSS SECTION
Inswing sill

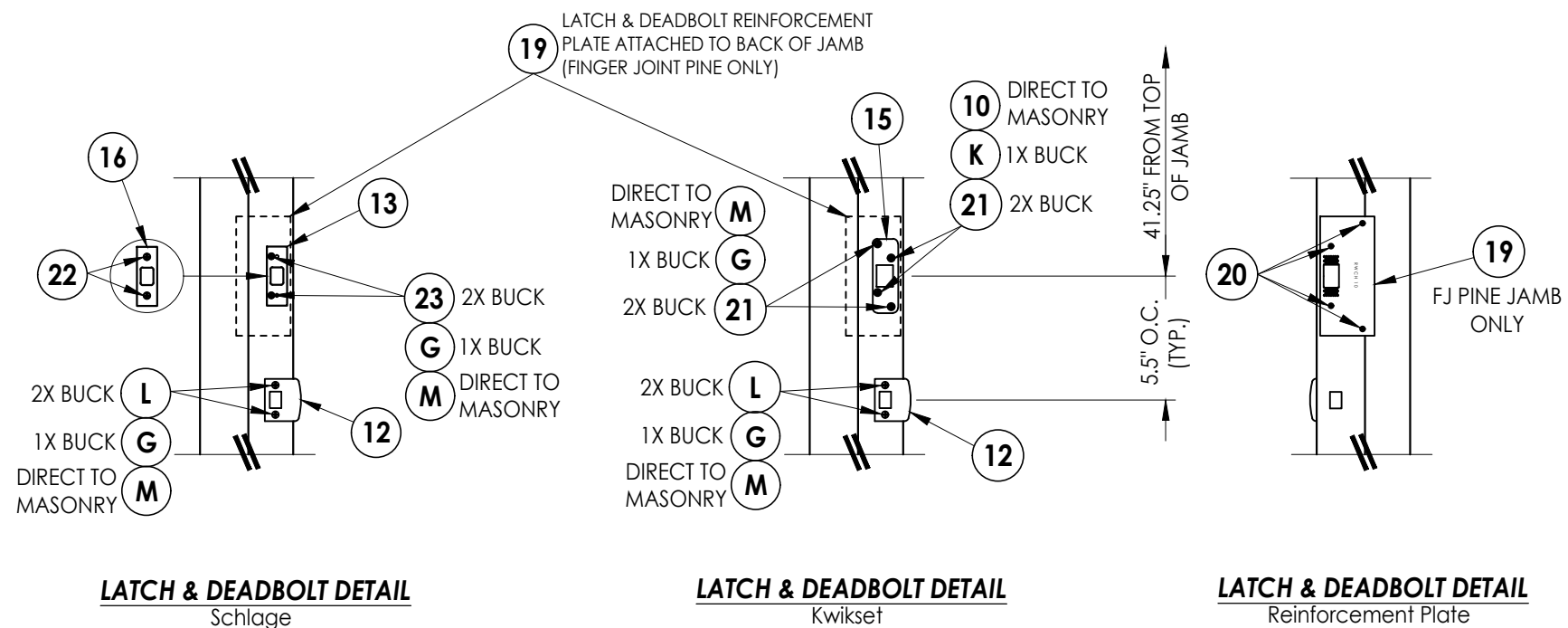
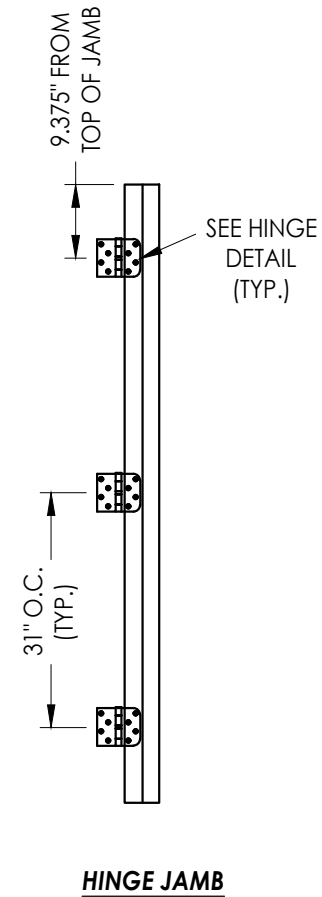


2

6

VERTICAL CROSS SECTION
Outswing sill

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PRODUCT: ODL, INC. STEEL DOOR				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS			
				LFS	FBC	REVISIONS	
				LFS	NAME CHANGE		
				BY			
				DATE			
				NO.			
				7/02/26	UPDATE TO 9TH ED. (2026)		
				3/30/26	MANUFACTURER'S NAME CHANGE		
DATE: 3/18/26							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-29651.10							
SHEET 6 OF 8							



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 BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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

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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

RW

PRODUCT: ODL, INC.
STEEL DOOR

PART OR ASSEMBLY:
**BUCK & FRAME ANCHORING
& HARDWARE DETAILS**

REVISIONS

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

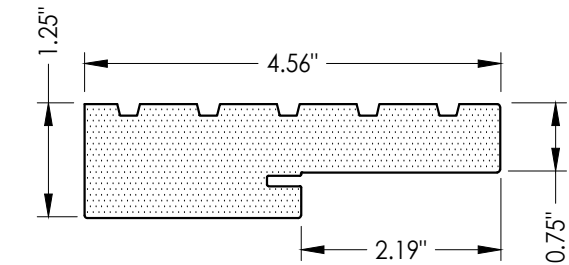
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FL-29651.10

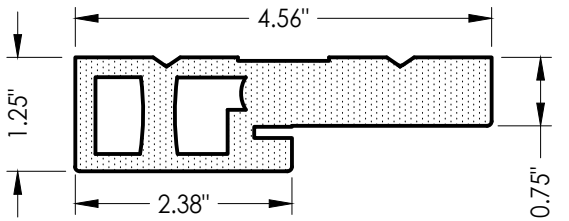
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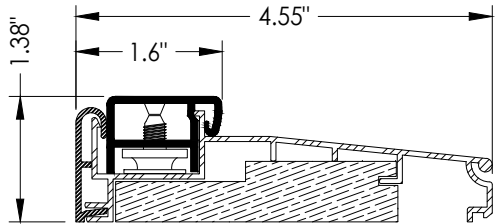
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#10 X 2" PFH WOOD SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
2	FINGER JOINT PINE JAMB (G >= 0.42)	WOOD
3	COMPOSITE CAVITY JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR BOTTOM SWEEP	VINYL
10	#10 X 1" PFH WOOD SCREW	STEEL
11	4" X 4" BUTT HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
15	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
16	DEADBOLT STRIKE BACK PLATE (SCHLAGE)	STEEL
19	LATCH & DEADBOLT REINFORCEMENT PLATE (4" X 8" - 16 GA. STEEL PLATE)	STEEL
20	#8 X 1/2" SD PH SMS	STEEL
21	#10 X 3" PFH SMS	STEEL
22	#10 X 3/4" FH SMS	STEEL
23	#12 X 2-1/2" PFH WOOD SCREW	STEEL
30	INSWING THRESHOLD	ALUM/WOOD
32	OUTSWING THRESHOLD	ALUM/WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-



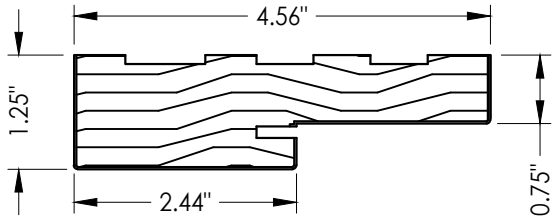
1 COMPOSITE JAMB
WORLDWIDE 4EVER JAMB



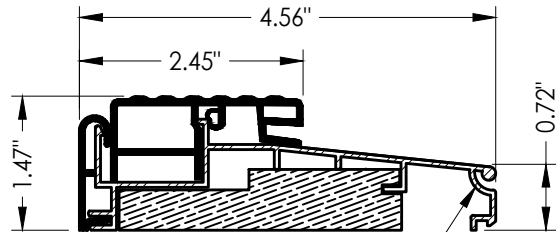
3 COMPOSITE CAVITY JAMB
WORLDWIDE 4EVER JAMB



30 INSWING THRESHOLD
WORLDWIDE



2 FINGER JOINT PINE JAMB



32 OUTSWING THRESHOLD
WORLDWIDE

Documents Prepared By:
Lyndon F. Schmidt
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BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

RW

PRODUCT: ODL, INC.
STEEL DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC
3	3/30/26	MANUFACTURER'S NAME CHANGE

DATE: 3/18/26
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-29651.10
SHEET 8 OF 8