



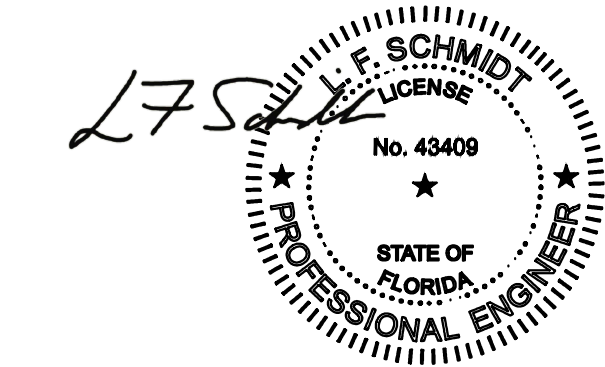
OPAQUE FIBERGLASS DOOR
SINGLE

INSWING/OUTSWING
"NON-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. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Horizontal & Vertical Cross Sections (2X Buck)
4	Horizontal & Vertical Cross Sections (1X Buck)
5	Horizontal & Vertical Cross Sections (Direct to Masonry)
6	Vertical Cross Sections (Thresholds)
7	Buck & Frame Anchoring & Hardware Details
8	Bill of Materials & Components

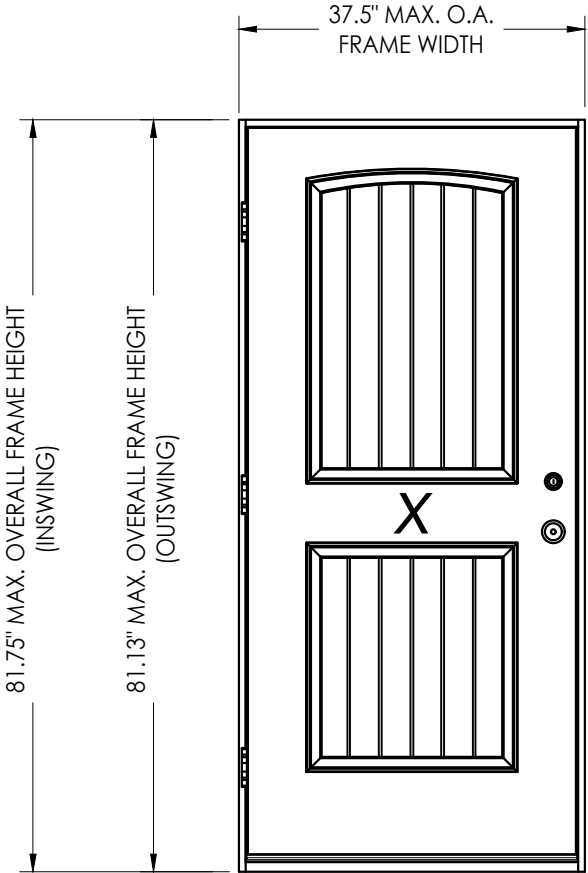


Digitally signed by
Lyndon F Schmidt
Date: 2026.07.02
14:50:28 -04'00'

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



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 81.75"	+50.0	-50.0	+50.0	-50.0

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 No. 9813

PRODUCT: YOUNG MFG FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	
		DATE	BY
1	7/02/26	UPDATE TO 9TH ED. (2026)	FBC

DATE: 9/10/24

SCALE: N.T.S.

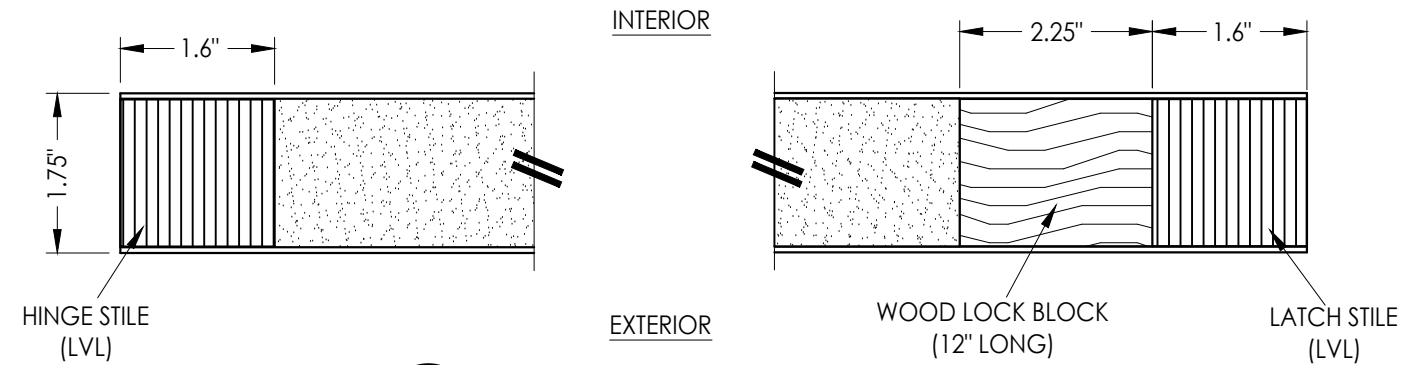
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CHK. BY: RW

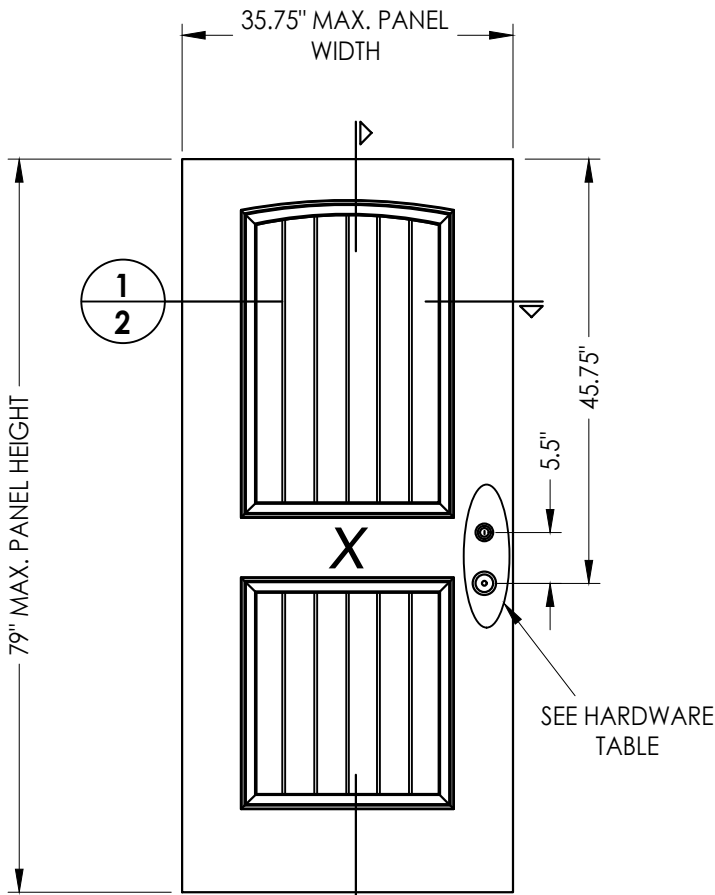
DRAWING NO.: FL-47793.5

SHEET 1 OF 8

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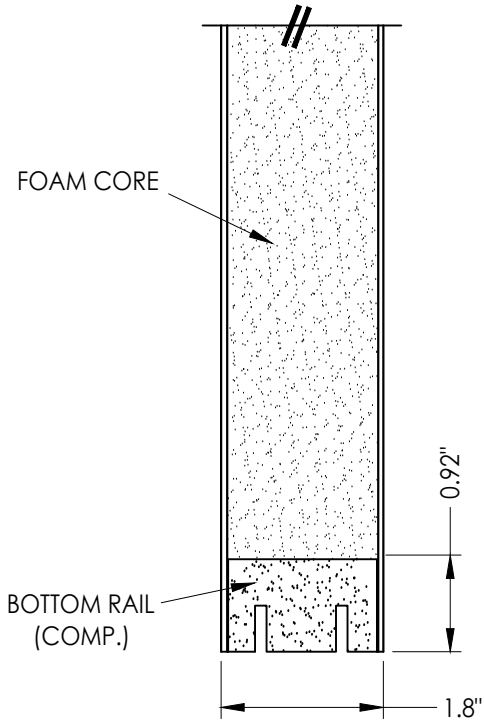
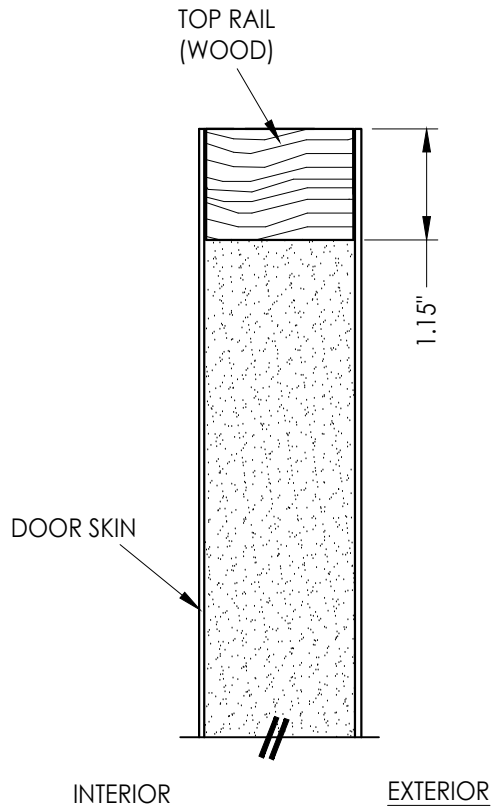
1
2 **HORIZONTAL CROSS SECTION**



2
2 **FIBERGLASS DOOR PANEL**
Masonite

FIBERGLASS SKIN: 0.080" MIN. THK.
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)

HARDWARE CHART		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SERIES (660)
SCHLAGE	KNOB:	F SERIES
	DEADBOLT:	B60 SERIES



2
2 **VERTICAL CROSS SECTION**

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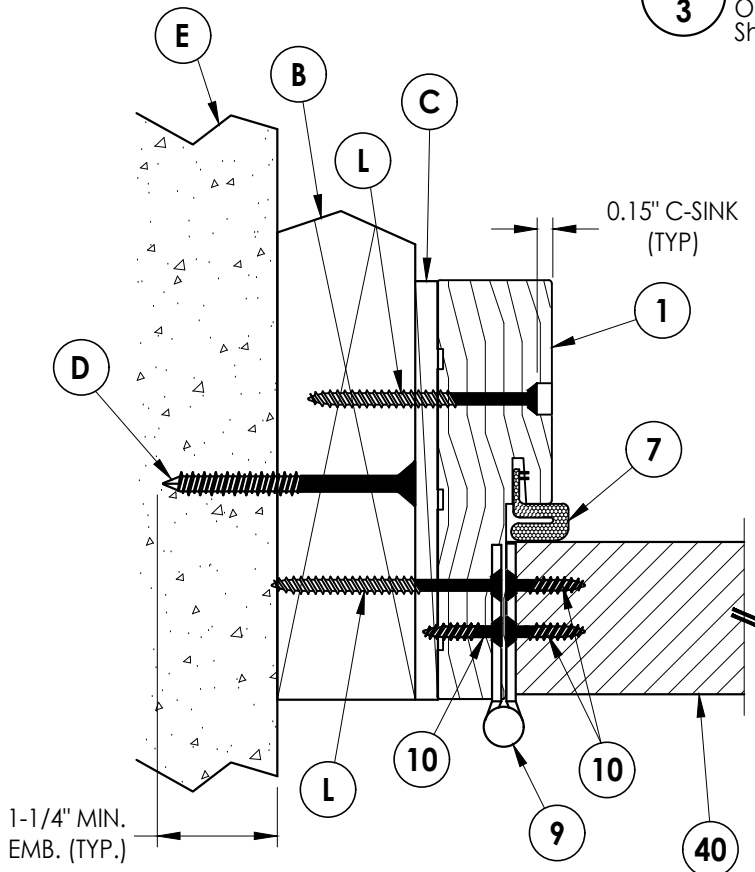
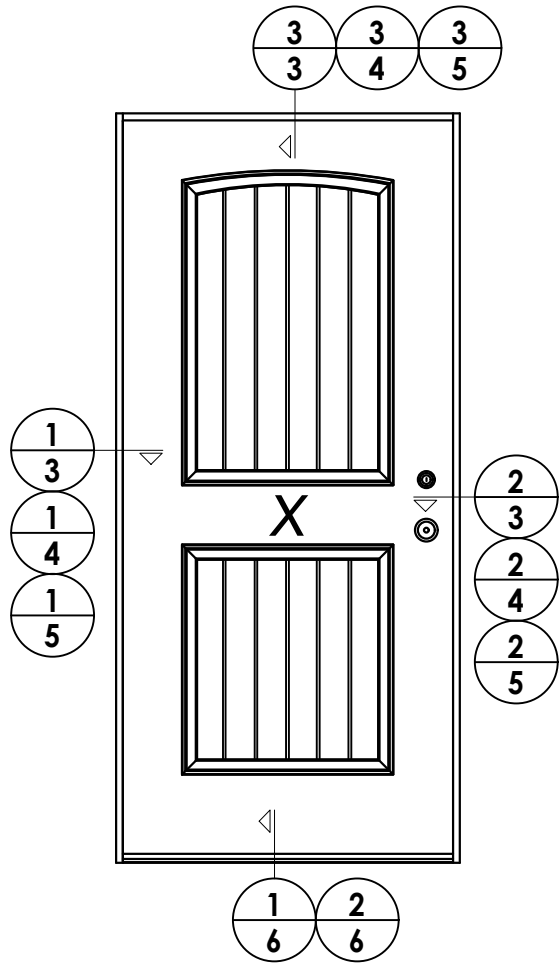
PRODUCT: YOUNG MFG
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

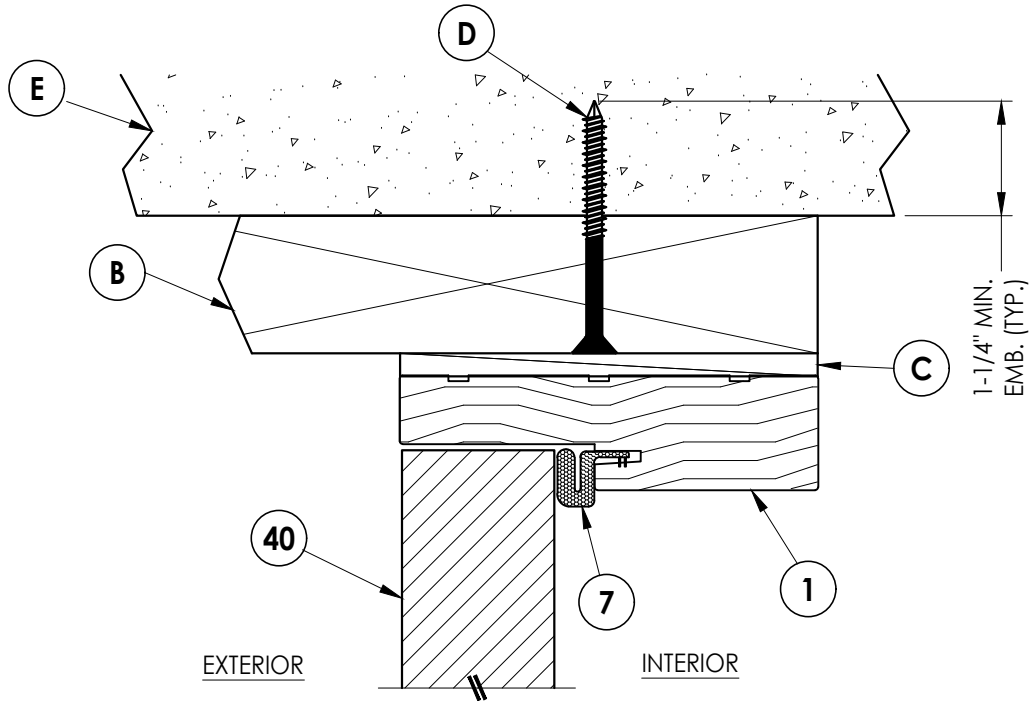
NO.	DATE	REVISIONS
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 9/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-47793.5
SHEET 2 OF 8

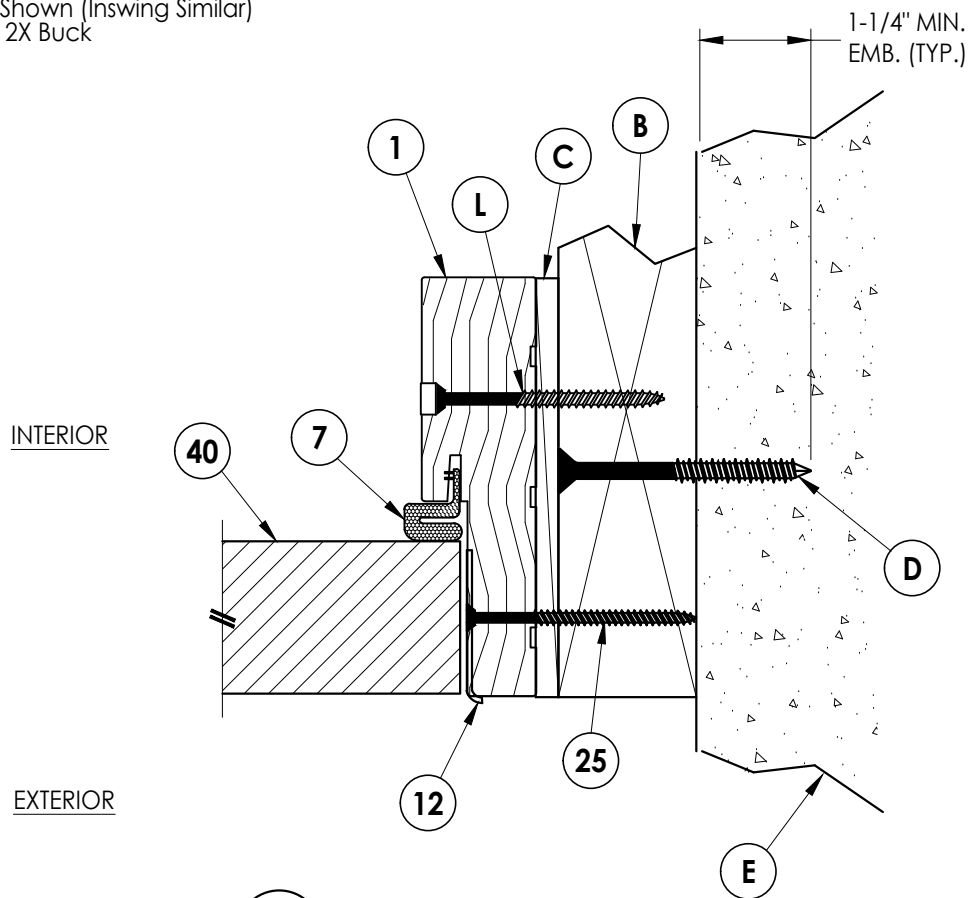
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1
3 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



3
3 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



2
3 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

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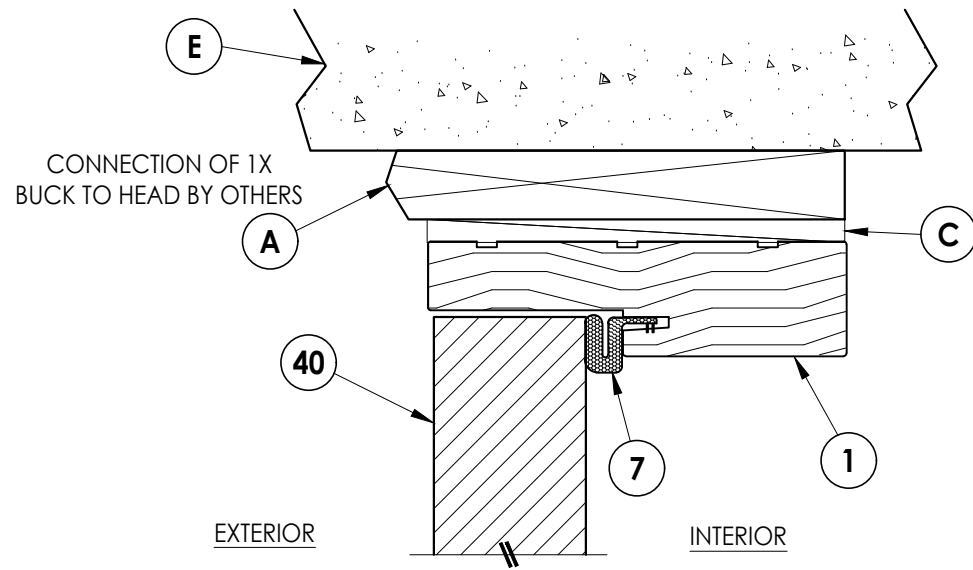
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PRODUCT: YOUNG MFG
FIBERGLASS DOOR

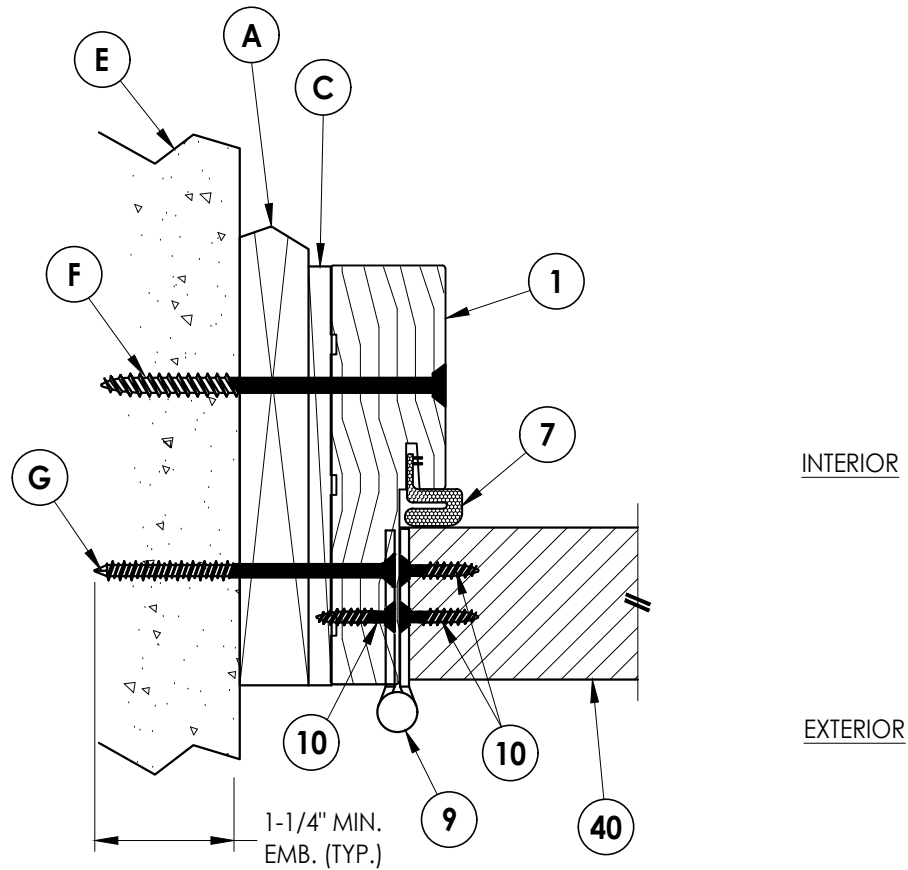
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

DATE: 9/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-47793.5
SHEET 3 OF 8

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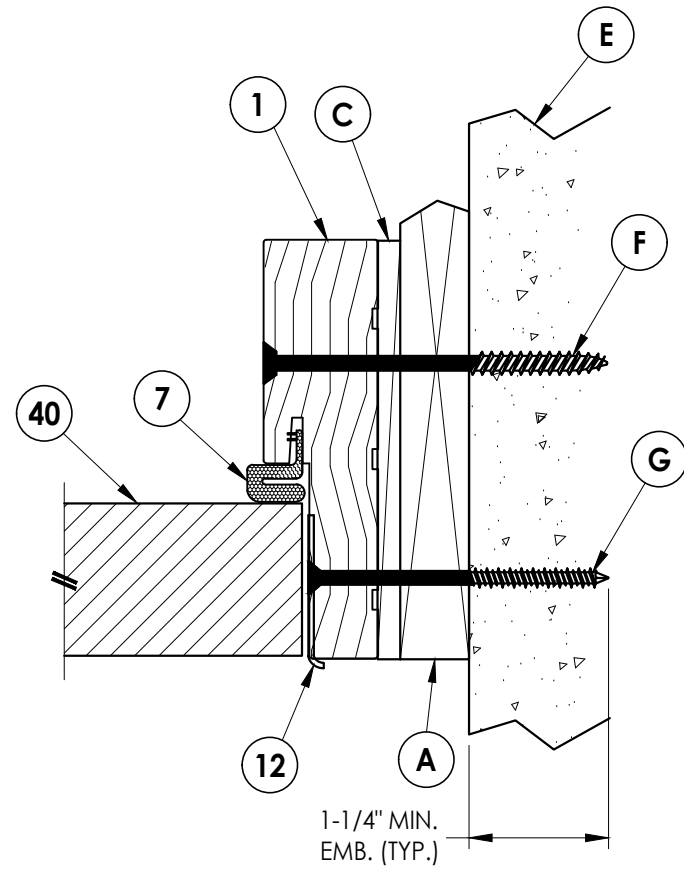


3 VERTICAL CROSS SECTION
4 Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



1 4 **HORIZONTAL CROSS SECTION**

Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



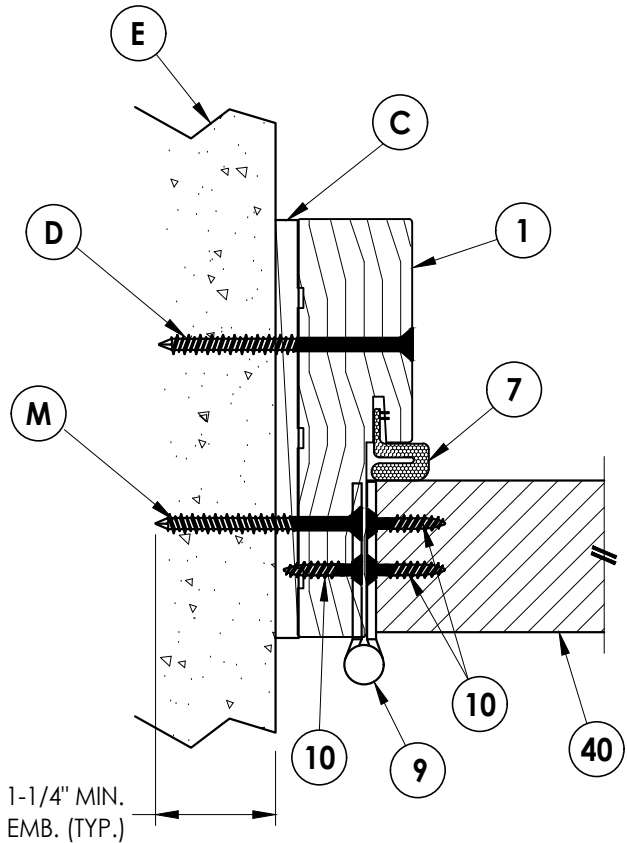
2 **HORIZONTAL CROSS SECTION**
4 Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

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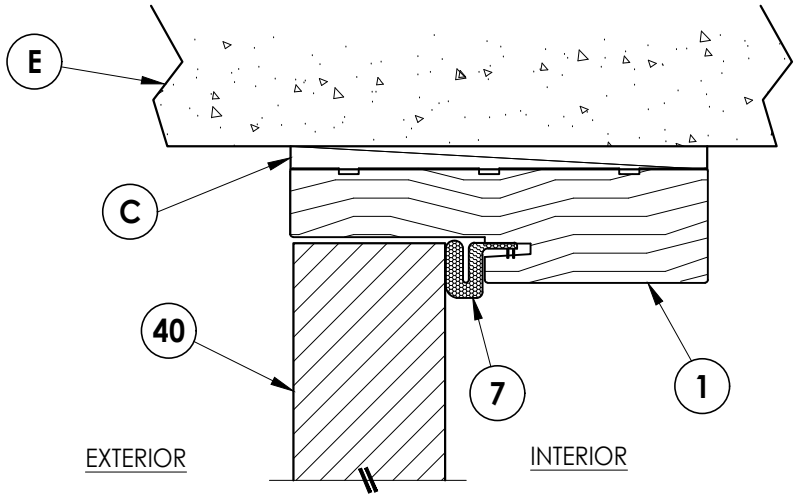
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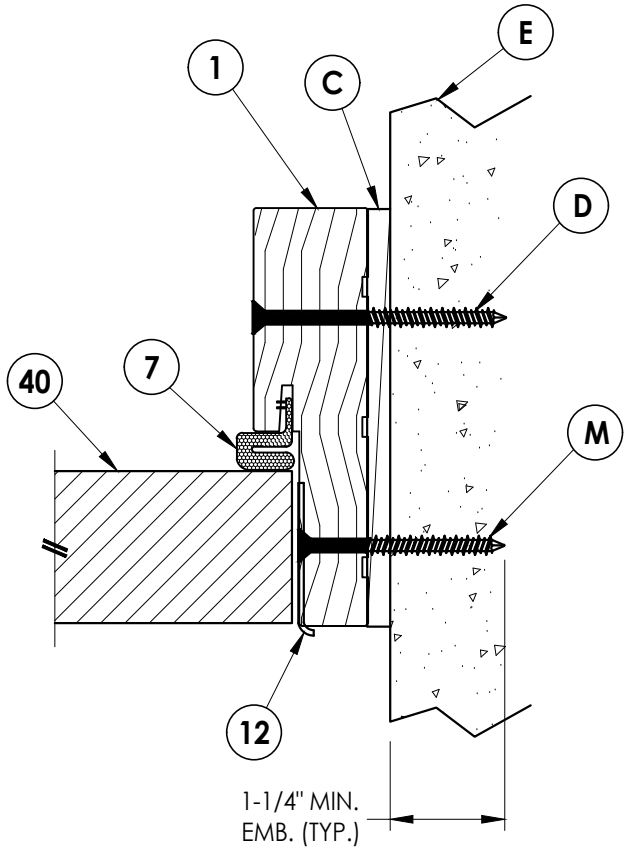
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1
5 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



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



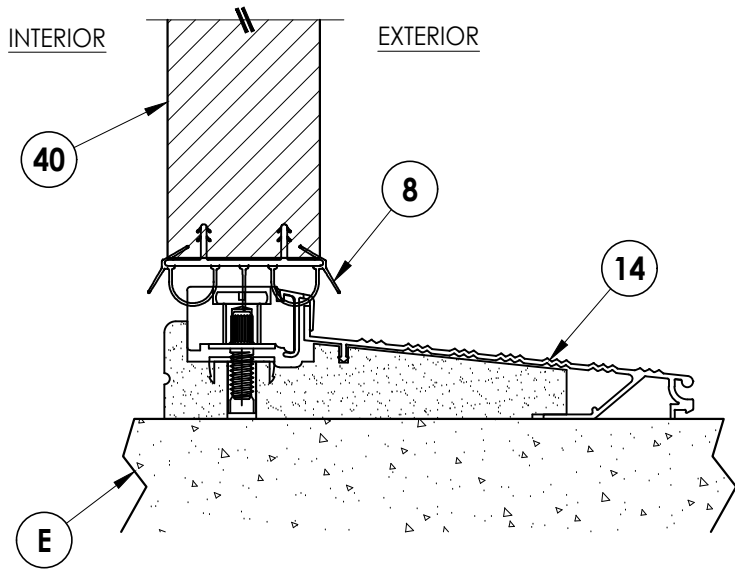
2
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Outswing Shown (Inswing Similar)
Shown Direct to Masonry

DATE: 9/10/24
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-47793.5
SHEET 5 OF 8

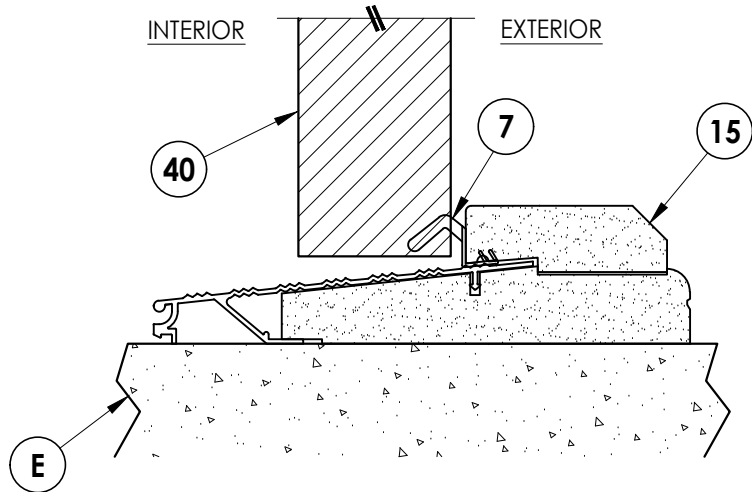
PRODUCT: YOUNG MFG
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

Documents Prepared By:
Lyndon F. Schmidt
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1 **VERTICAL CROSS SECTION**
6 Inswing Sill



2 VERTICAL CROSS SECTION
6 Outswing Sill

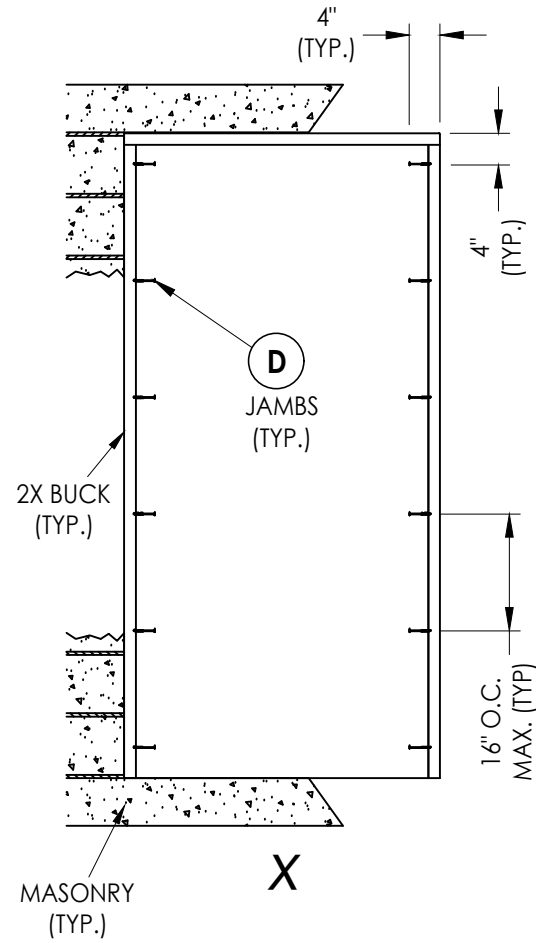
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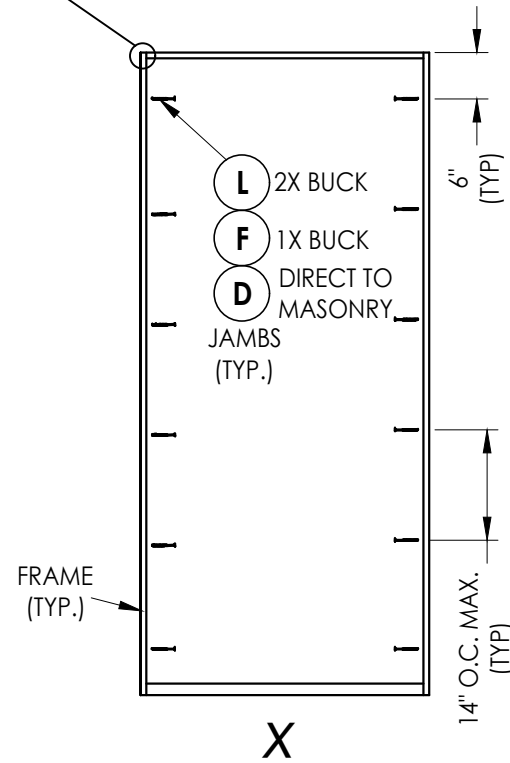
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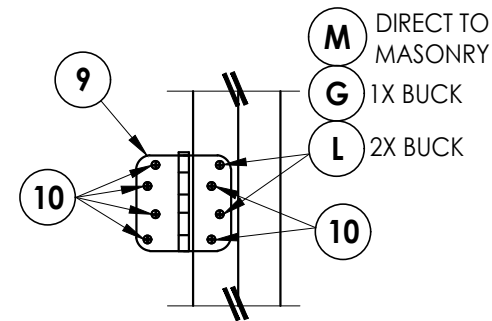
2X BUCK ANCHORING



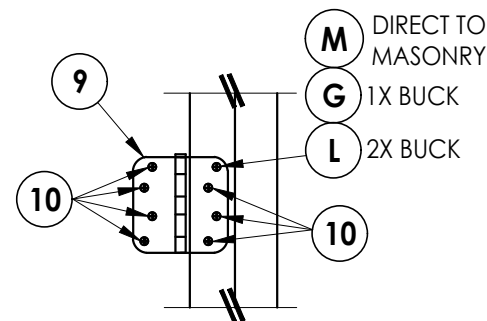
FRAME CORNERS ATTACHED w/
#9 X 2-1/2" DEEP THREAD WOOD
SCREWS: (3) @ HEAD & (2) @ SILL
(TYP.)



FRAME ANCHORING

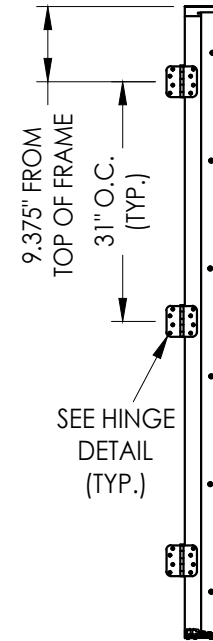


HINGE DETAIL
INSWING

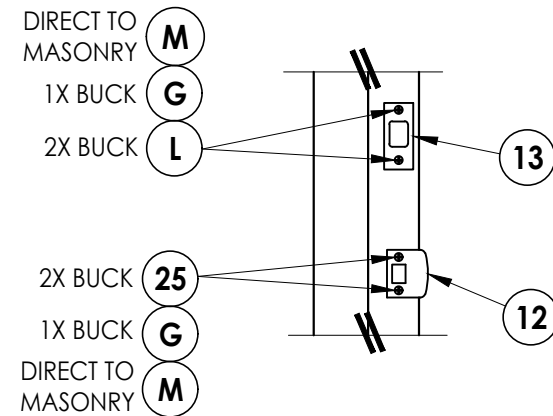
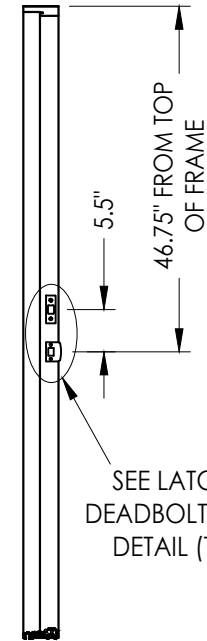


HINGE DETAIL
OUTSWING

HINGE JAMB



STRIKE JAMB

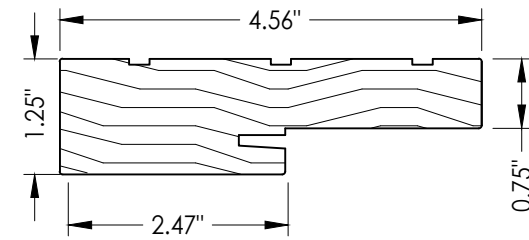


STRIKE PLATE DETAIL

HARDWARE DETAILS

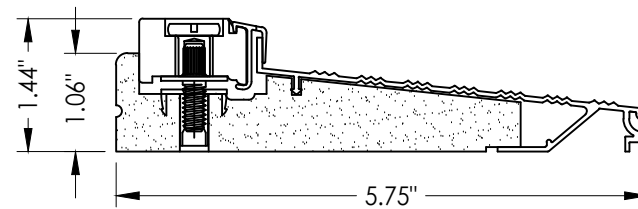
PRODUCT: YOUNG MFG FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK & FRAME ANCHORING & HARDWARE DETAILS	
DATE: 9/10/24	SCALE: N.T.S.	DWG. BY: LFS	CHK. BY: RW
DRAWING NO.: FL-47793.5	SHEET 7 OF 8	REVISIONS	
NO.	DATE	DESCRIPTION	BY
1	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
Documents Prepared By:		BUILDING CONSULTANTS, INC.	
Lyndon F. Schmidt		P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409		Phone No.: 813.659.9197	
		FBPE Registry No. 9813	

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	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (POPLAR)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-

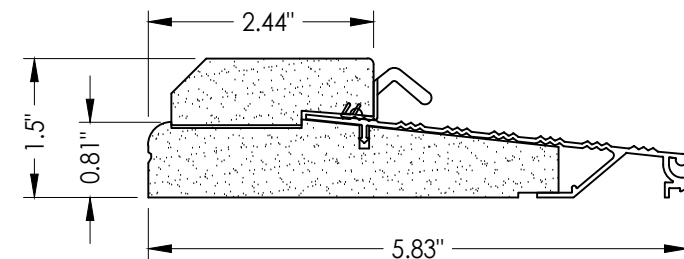


1 WOOD JAMB (POPLAR)
Young Mfg.

**"ARMALAST" OR "PRIMED"
POPLAR WOOD JAMB
MAY BE UTILIZED**



14 **INSWING THRESHOLD**
Young Mfg.



15 **OUTSWING THRESHOLD**
Young Mfg.

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 ULTRA-CON®	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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PRODUCT: YOUNG MFG
FIBERGLASS DOOR

PART OR ASSEMBLY:
**BILL OF MATERIALS
& COMPONENTS**

1	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
NO.	DATE			BY	
					REVISIONS

SHEET 8 OF 8