



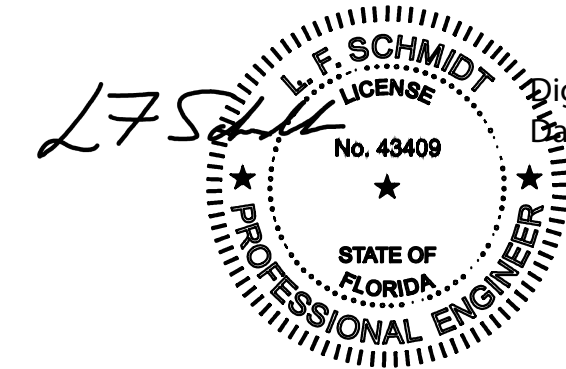
Fiber-Classic® & Smooth-Star®

WOOD EDGE
GLAZED FIBERGLASS SINGLE DOOR
INSWING/OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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. Fiber-Classic & Smooth-Star Door and Sidelite panels require the use of "J" part numbers and must be stained or painted within six months of installation.

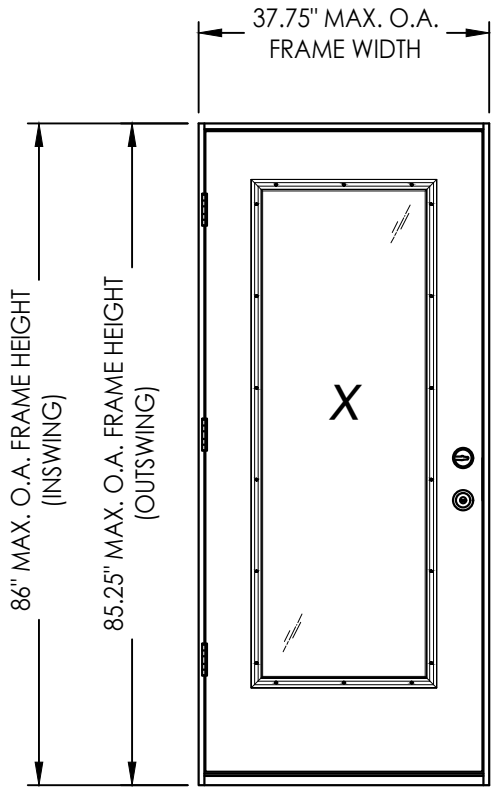
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8	Buck & Frame Anchoring
9	Hardware Details
10	Glazing details
11	Components
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Digitally signed by Lyndon F Schmidt
Date: 2023.08.23 16:04:37 -04'00'

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	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+40.0	-50.0	+40.0	-40.0

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

PRODUCT:
THERMA TRU
FIBERGLASS DOOR

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

5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	7/27/22	REMOVE FLUSH GLAZING OPTION	LFS	
3	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO
2	10/10/18	REV. DOOR PANEL OPTION NOTE	MT	
1	11/15/17	RECESSED PANEL NOTATION	JK	
	NO. DATE		BY	

REVISIONS

DATE: 07/07/17

SCALE: N.T.S.

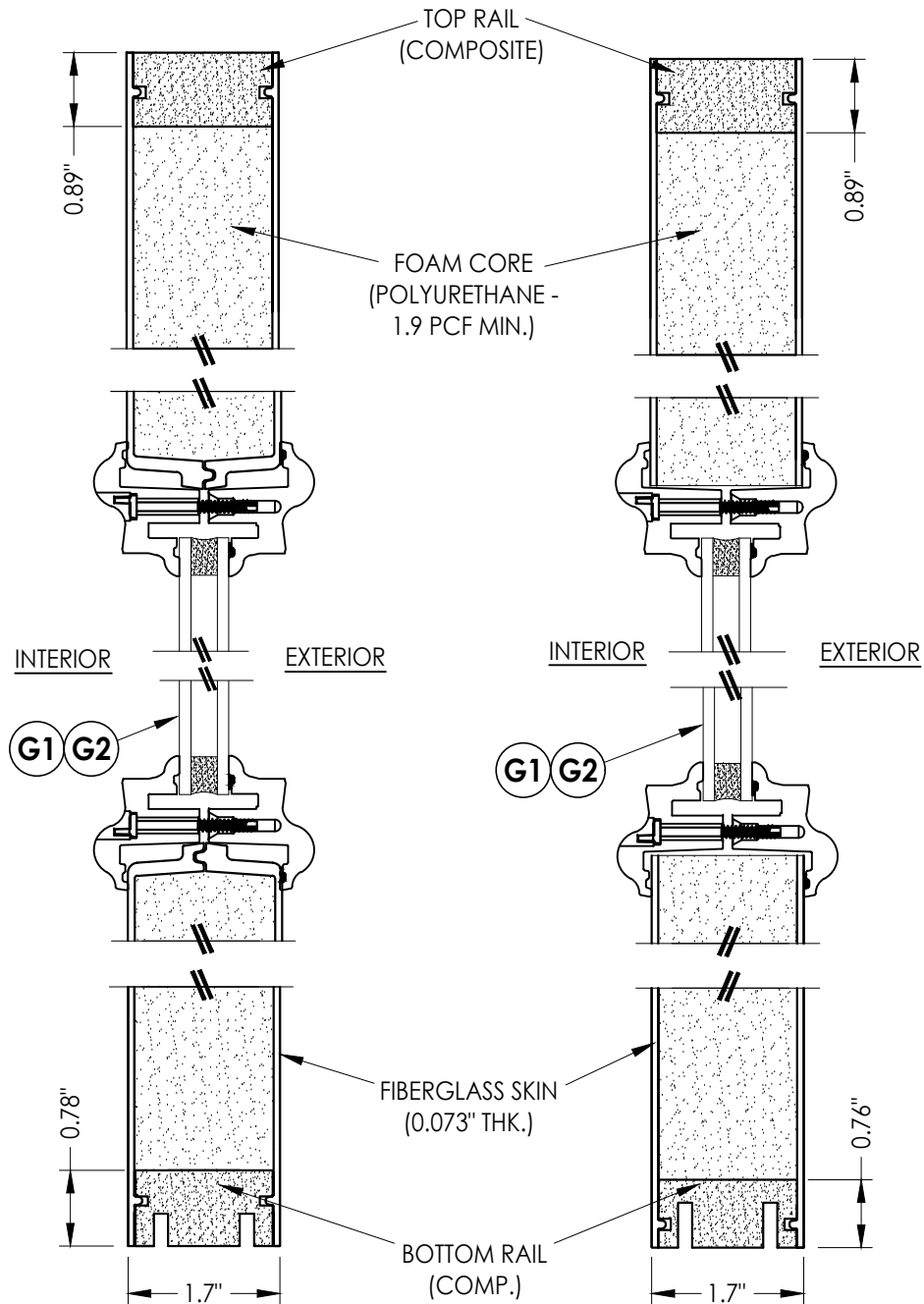
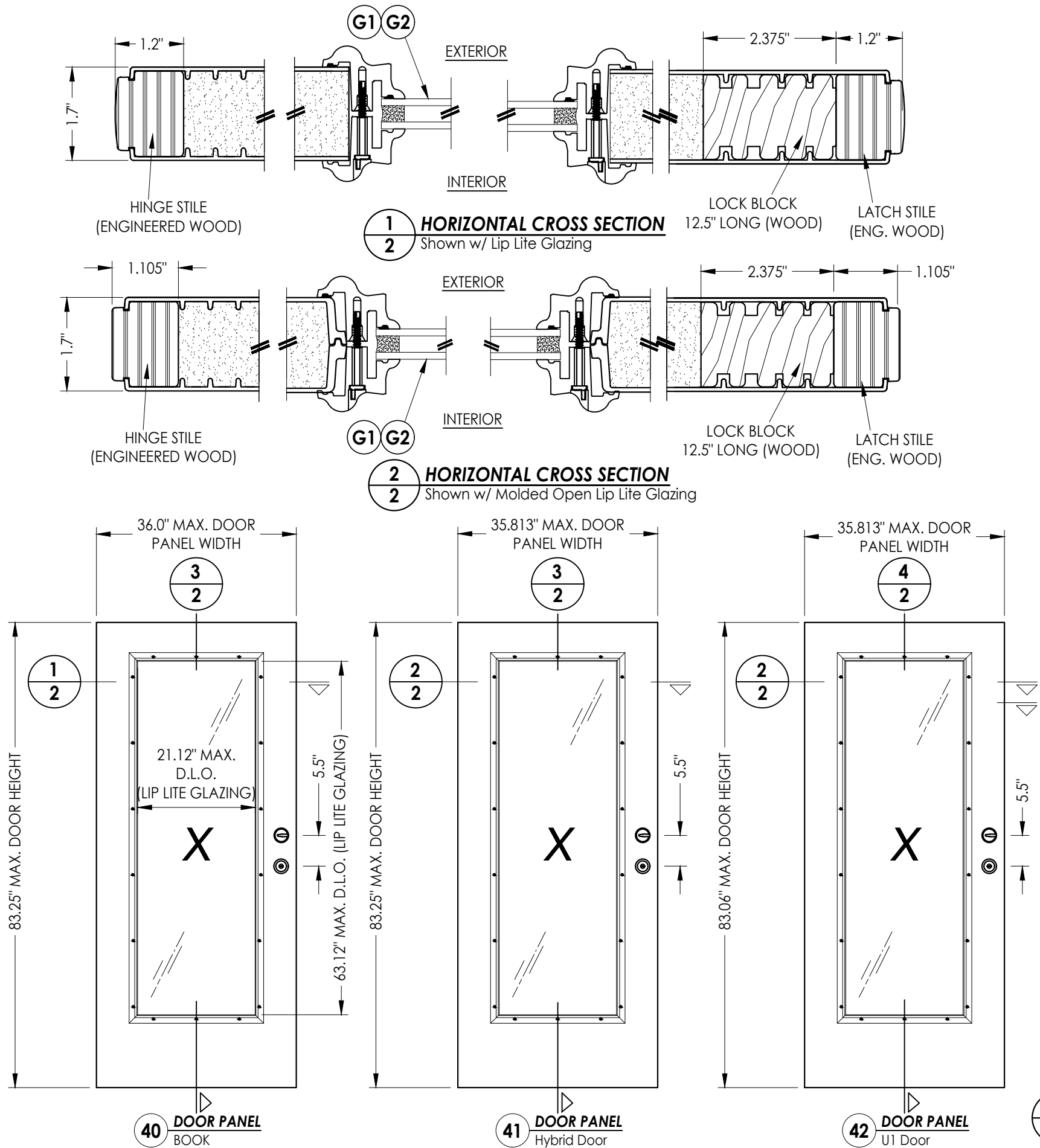
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21133.12

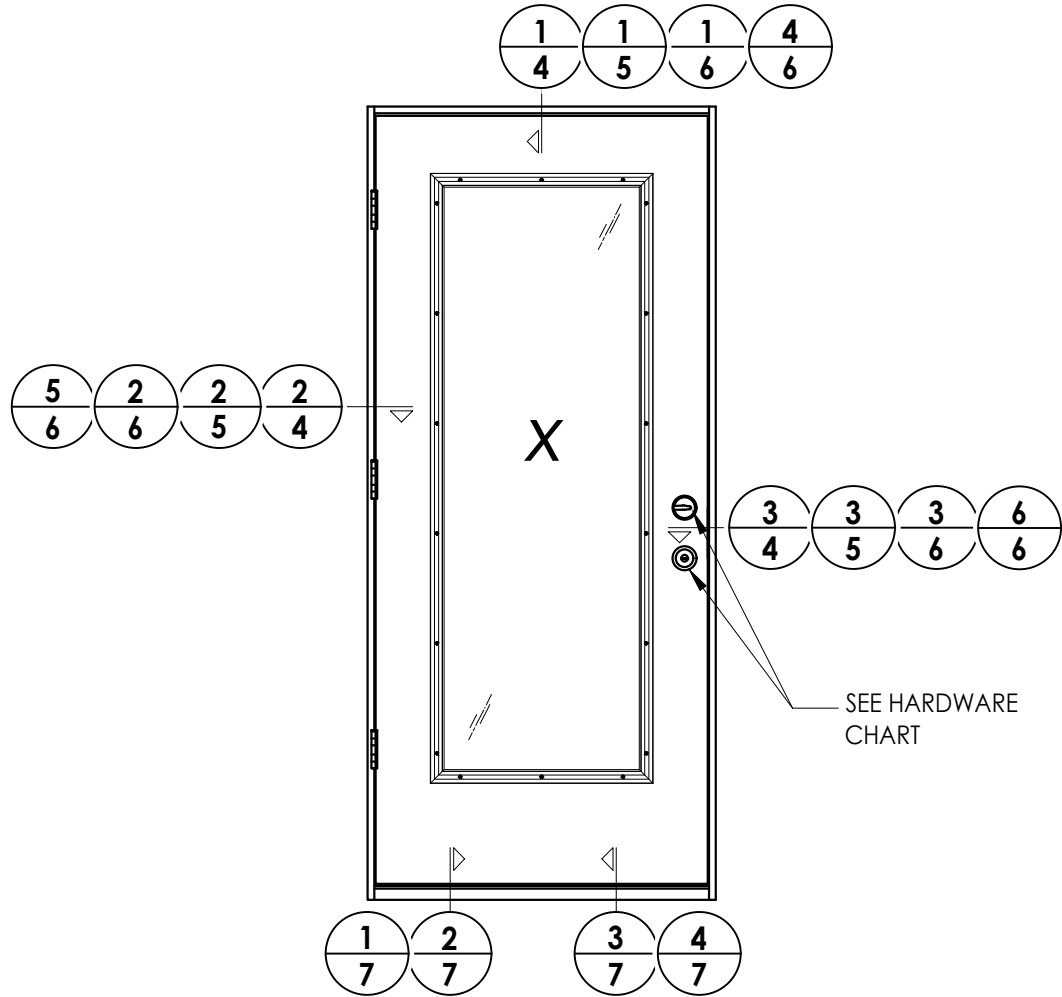
SHEET 1 OF 12

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

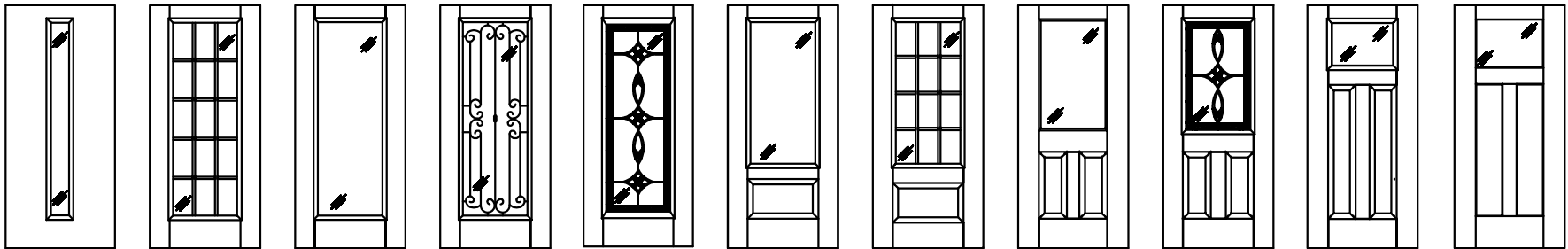


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
LFS	UPDATE TO 8TH ED. (2023)	FBC	REVISIONS
LFS	REMOVE FLUSH GLAZING OPTION	FBC	
PO	UPDATE TO 7th ED (2020)	FBC	
MT	10/10/18 REV. DOOR PANEL OPTION NOTE	JK	
JK	11/15/17 RECESSED PANEL NOTATION	BY	
NO.	DATE		
5	8/23/23		
4	7/27/22		
3	7/16/20		
2	10/10/18		
1	11/15/17		
DATE: 07/07/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21133.12			
SHEET 2 OF 12			

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HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	Knob:	F51
	Deadbolt:	B60
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)



Fiber-Classic/Smooth-Star Door Panel Options

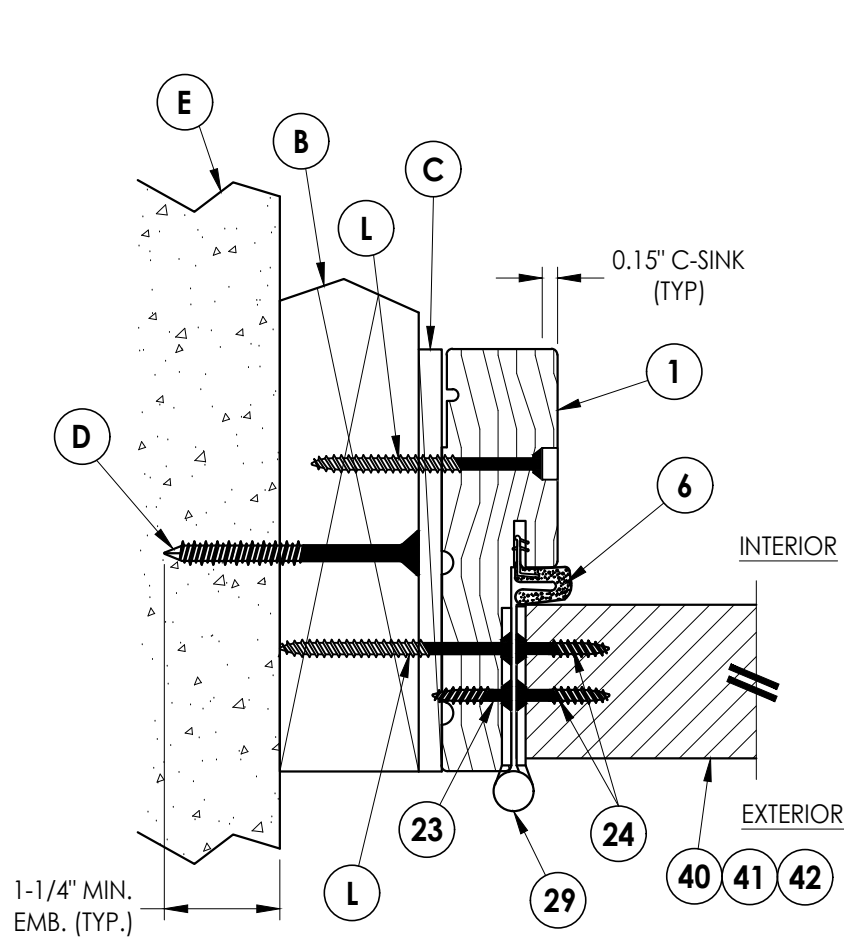
Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		THERMA TRU FIBERGLASS DOOR		PART OR ASSEMBLY: ELEVATIONS	
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	7/27/22	REMOVE FLUSH GLAZING OPTION	LFS	PO	
3	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO	
2	10/10/18	REV. DOOR PANEL OPTION NOTE	MT	JK	
1	11/15/17	RECESSED PANEL NOTATION	JK	BY	
NO.		DATE	REVISIONS		
DATE: 07/07/17					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-21133.12					
SHEET 3 OF 12					

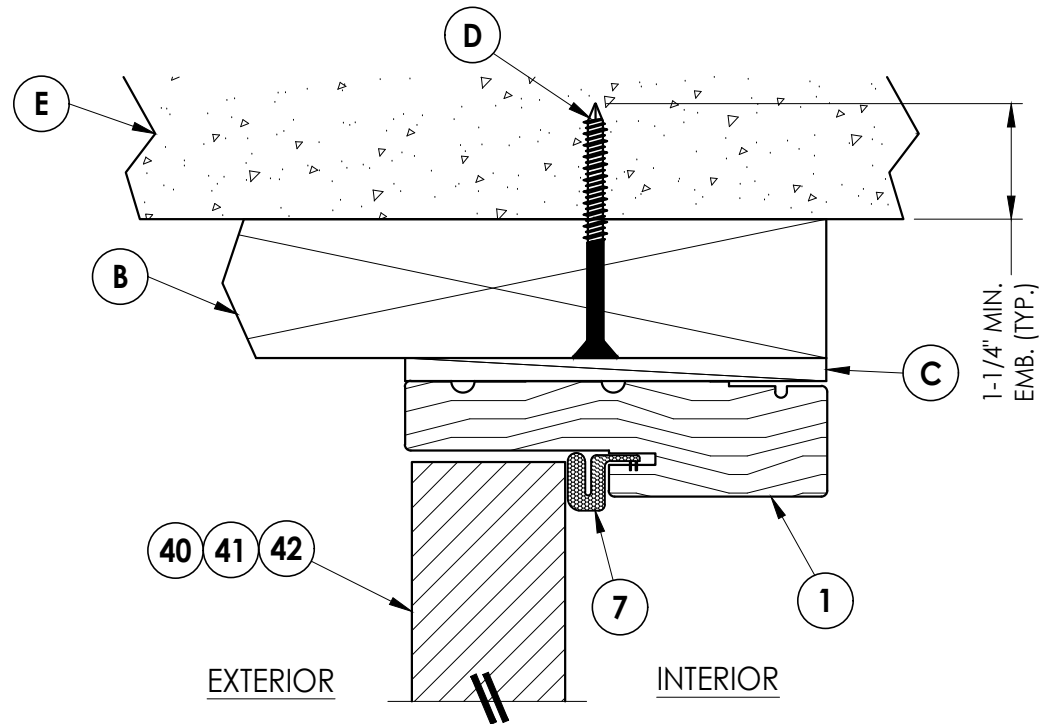
RW

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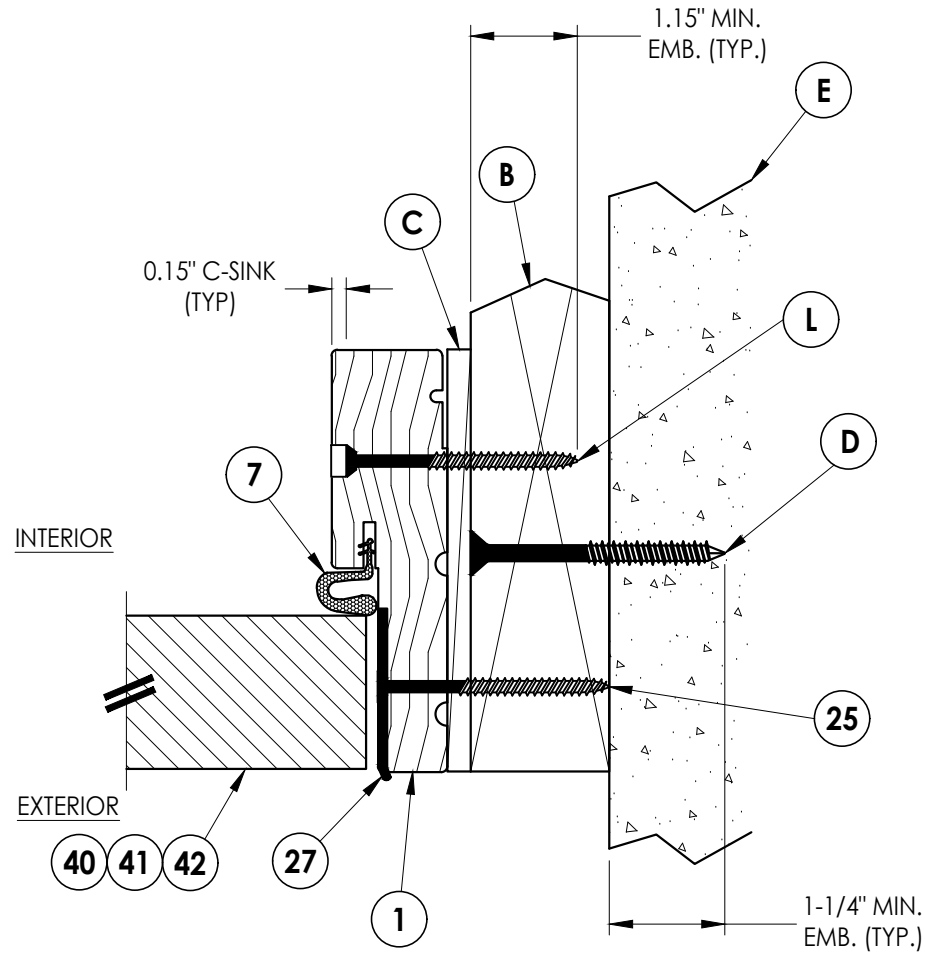
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2 HORIZONTAL CROSS SECTION
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)



1 VERTICAL CROSS SECTION
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)



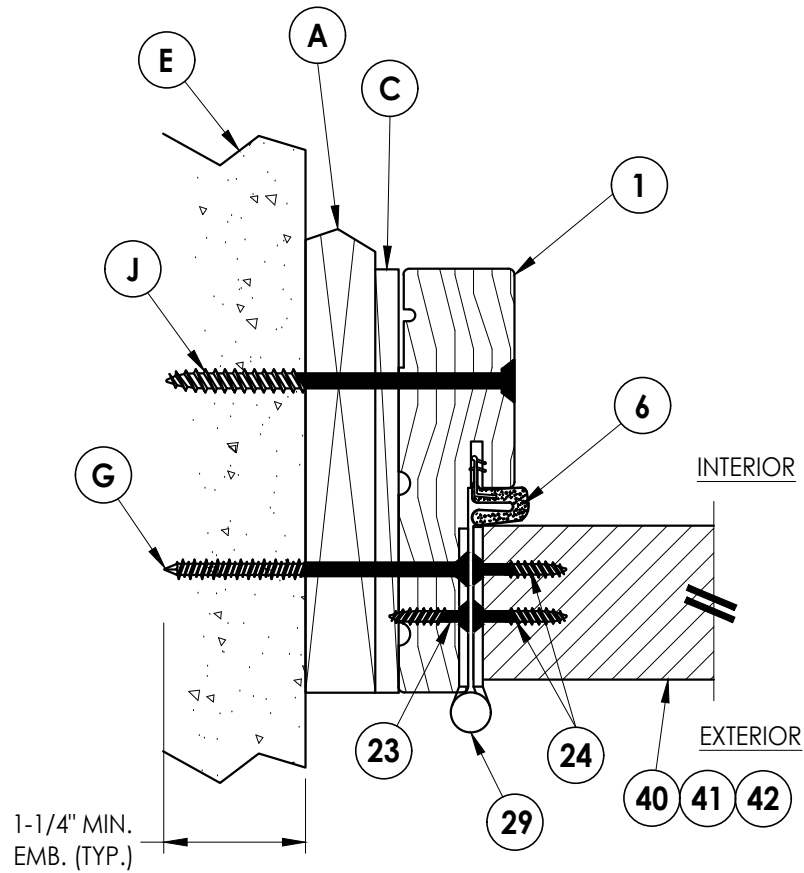
3 HORIZONTAL CROSS SECTION
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)

PRODUCT:		THERMA TRU FIBERGLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	DATE	REVISIONS	
4	7/27/22	REMOVE FLUSH GLAZING OPTION	FBC	LFS	NO.	DATE	BY
3	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO	1	11/15/17	JK
2	10/10/18	REV. DOOR PANEL OPTION NOTE	MT	MT	2	10/10/18	MT
1	11/15/17	RECESSED PANEL NOTATION	JK	JK	1	11/15/17	JK
DATE: 07/07/17		SCALE: N.T.S.		DWG. BY: JK		CHK. BY: LFS	
DRAWING NO.: FL-21133.12		SHEET 4 OF 12					

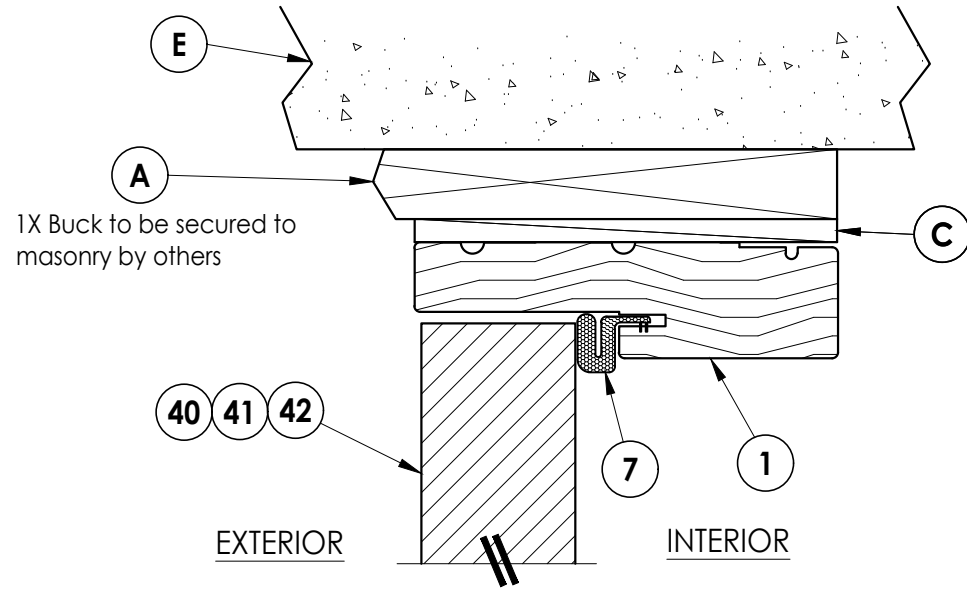
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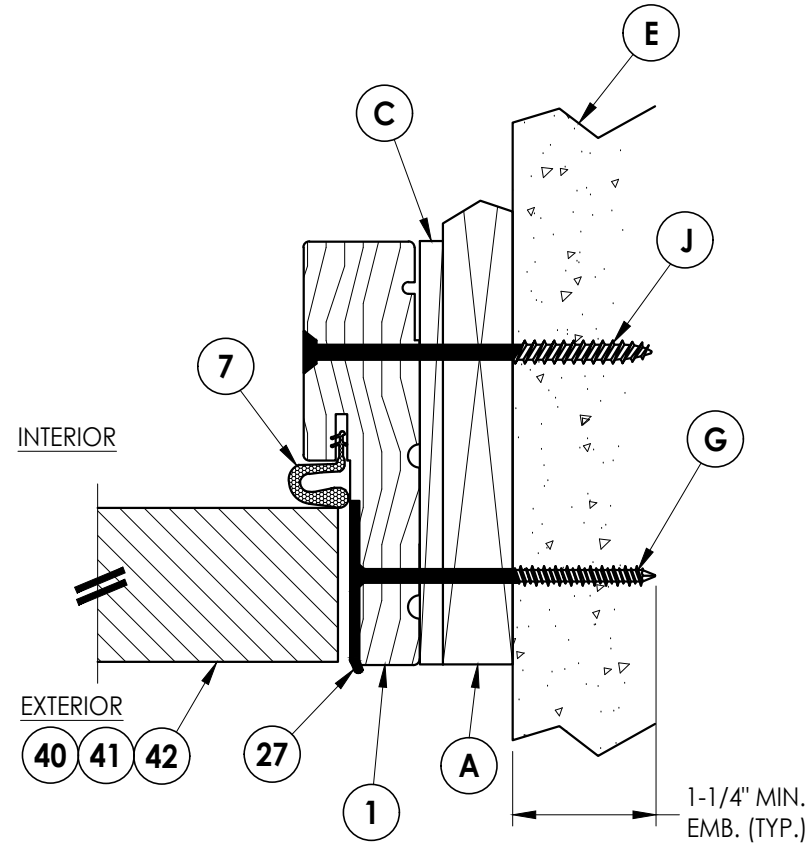
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2 HORIZONTAL CROSS SECTION
5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



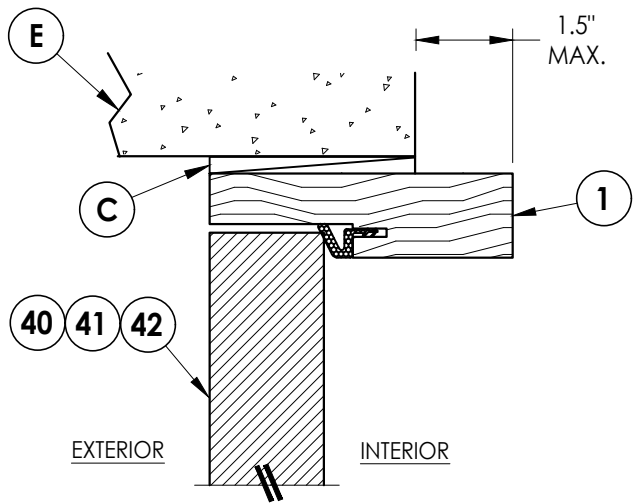
1 VERTICAL CROSS SECTION
5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



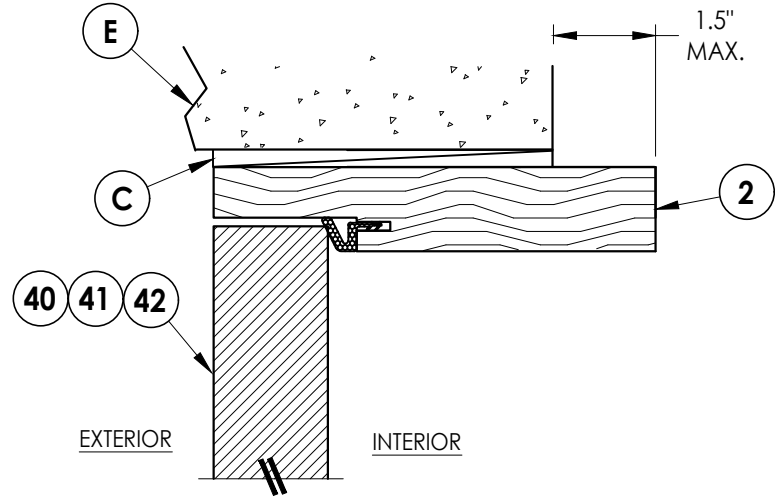
3 HORIZONTAL CROSS SECTION
5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

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: THERMA TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
5	8/23/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	7/27/22	REMOVE FLUSH GLAZING OPTION	LFS
3	7/16/20	UPDATE TO 7th ED (2020) FBC	PO
2	10/10/18	REV. DOOR PANEL OPTION NOTE	MT
1	11/15/17	RECESSED PANEL NOTATION	JK
NO.	DATE	REVISIONS	
DATE: 07/07/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21133.12			
SHEET 5 OF 12			

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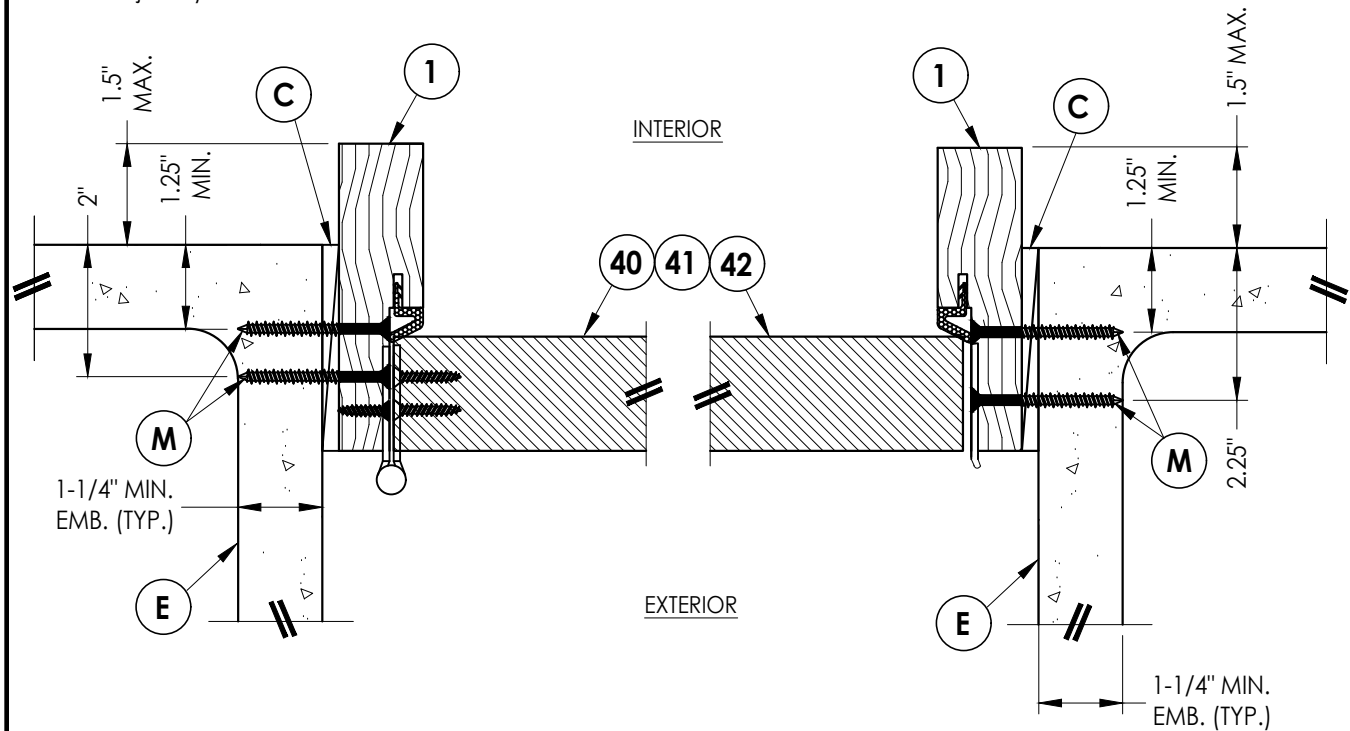
1
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



4
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

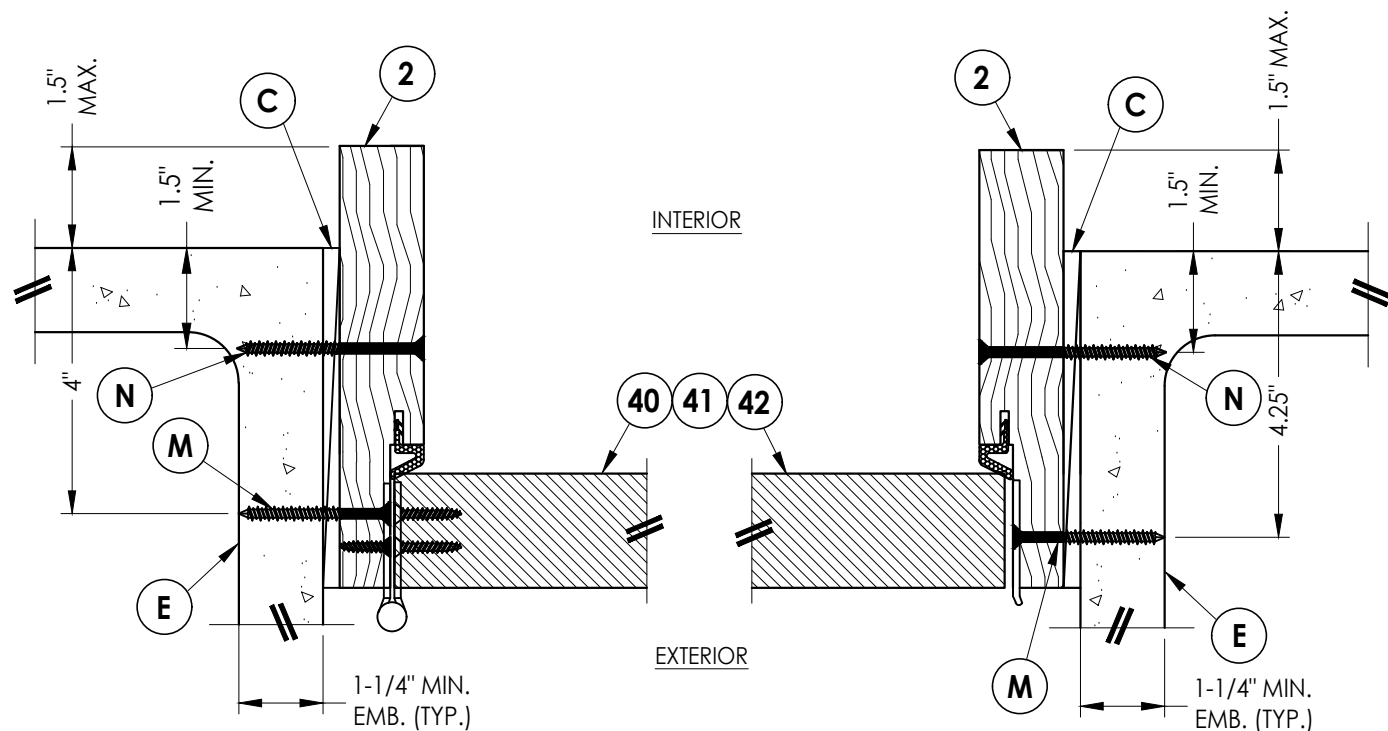
Notes:

1. Sidelite assembly screws located 14" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).



2
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

3
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



5
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

6
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Documents Prepared By:
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P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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PRODUCT:
THERMA TRU
FIBERGLASS DOOR

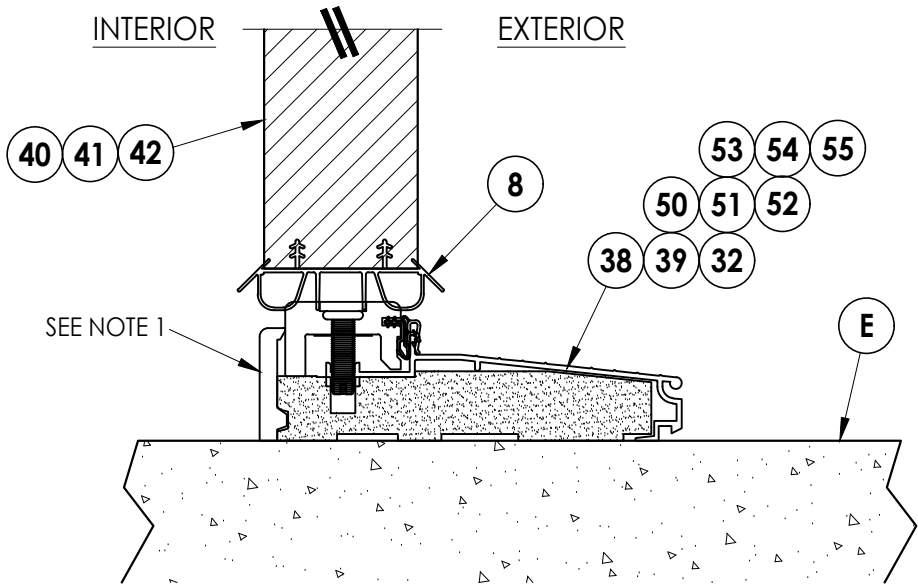
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

	LFS	FBC	OPTION	MT	JK	BY
5	8/23/23	UPDATE TO 8TH ED. (2023)	REMOVE FLUSH GLAZING			
4	7/27/22	UPDATE TO 7TH ED. (2020)	DOOR PANEL OPTION			
3	7/16/20	RECESSED PANEL NOTATION				
2	10/10/18	RECESSED PANEL NOTATION				
1	11/15/17	RECESSED PANEL NOTATION				
	NO.	DATE				

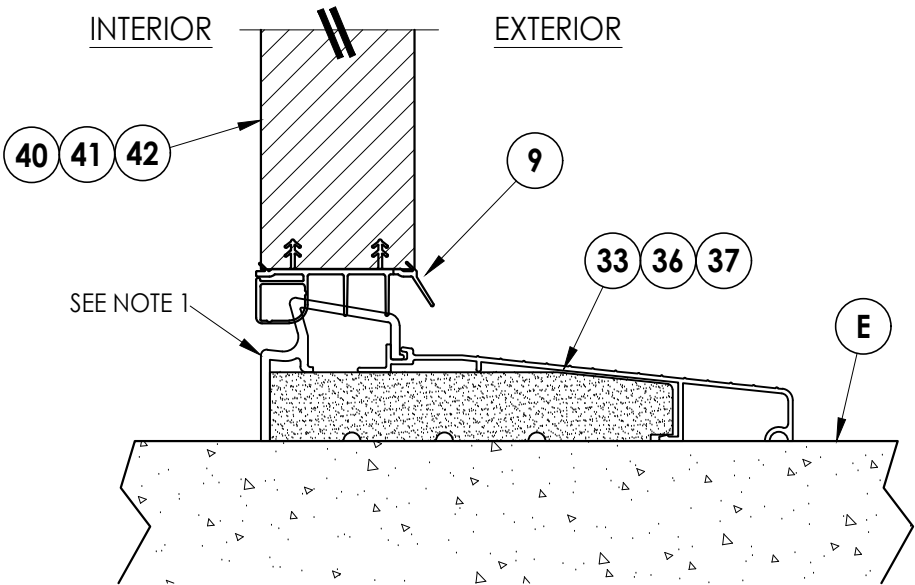
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21133.12
SHEET 6 OF 12

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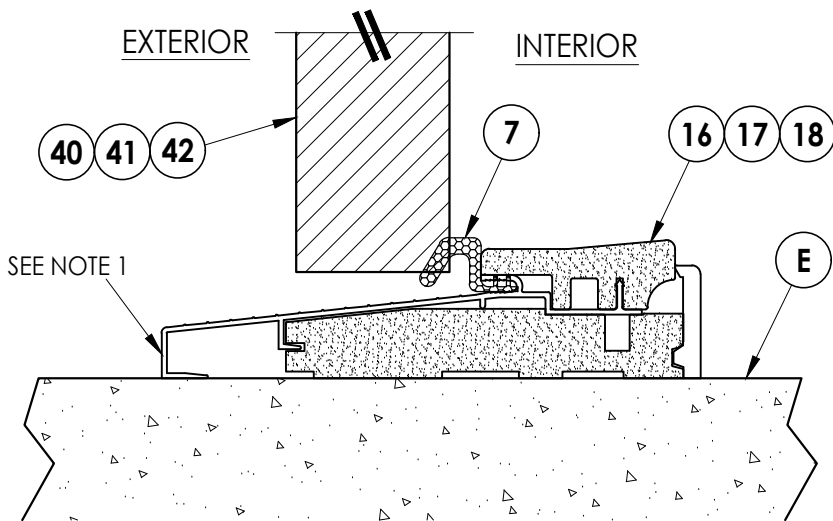
- Notes:
- 1. Sill Item #'s 16, 32, 33, 36, 37, 38, 39, 50, 51, 52, 53, 54 & 55 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws or (3) 2.5" staples at each end.
 - 2. Sill Item #'s 17 & 18 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
 - 3. Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.



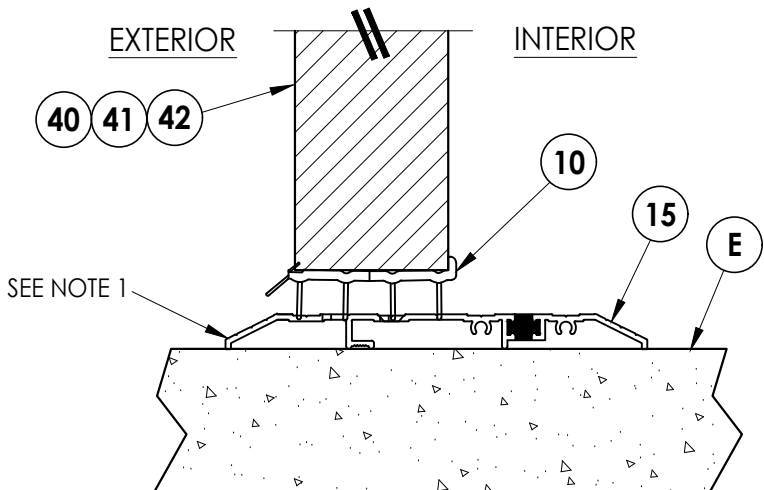
1
7 **VERTICAL CROSS SECTION**
Inswing Sill



2
7 **VERTICAL CROSS SECTION**
Inswing Sill



3
7 **VERTICAL CROSS SECTION**
Outswing Sill



4
7 **VERTICAL CROSS SECTION**
Public Access Sill

Documents Prepared By:
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
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

		LFS	FBC	MT	JK	BY
5	8/23/23	UPDATE TO 8TH ED. (2023)	REMOVE FLUSH GLAZING OPTION	DOOR PANEL OPTION NOTE	RECESSED PANEL NOTATION	
4	7/27/22	UPDATE TO 7th ED (2020)				
3	7/16/20	UPDATE TO 7th ED (2020)				
2	10/10/18	REV. DOOR PANEL OPTION NOTE				
1	11/15/17	RECESSED PANEL NOTATION				
NO.	DATE	REVISIONS				

DATE: 07/07/17

SCALE: N.T.S.

DWG. BY: JK

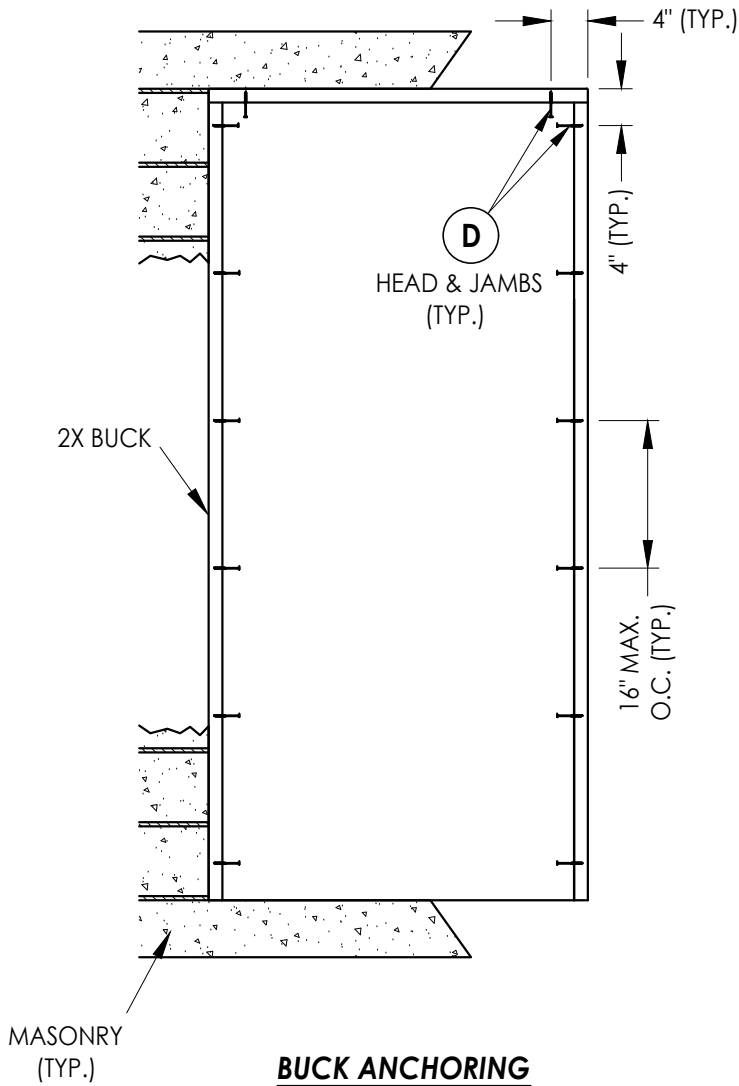
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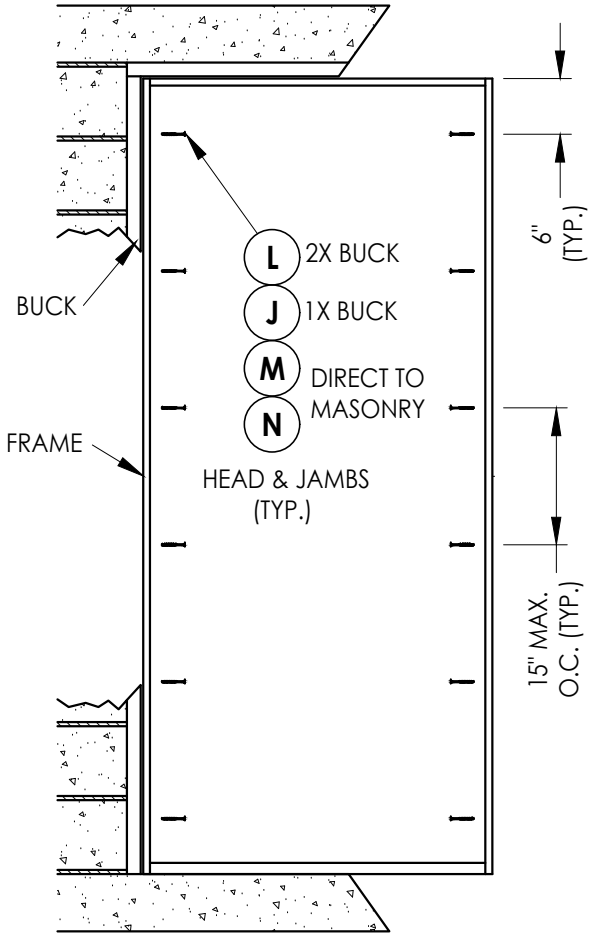
FL-21133.12

SHEET 7 OF 12

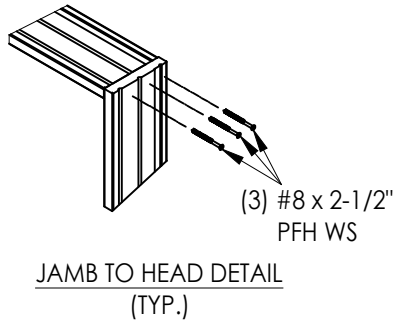
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BUCK ANCHORING



FRAME ANCHORING

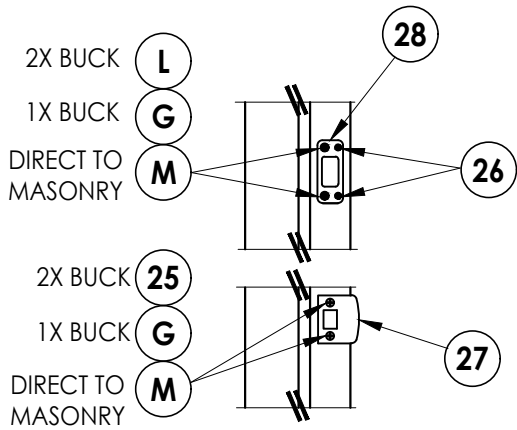


DATE: 07/07/17		NO.		DATE		REVISIONS	
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
4	7/27/22	REMOVE FLUSH GLAZING OPTION	LFS				
3	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO			
2	10/10/18	REV. DOOR PANEL OPTION NOTE	MT				
1	11/15/17	RECESSED PANEL NOTATION	JK				
			BY				

PRODUCT:		THERMA TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		BUCK AND FRAMES ANCHORING	

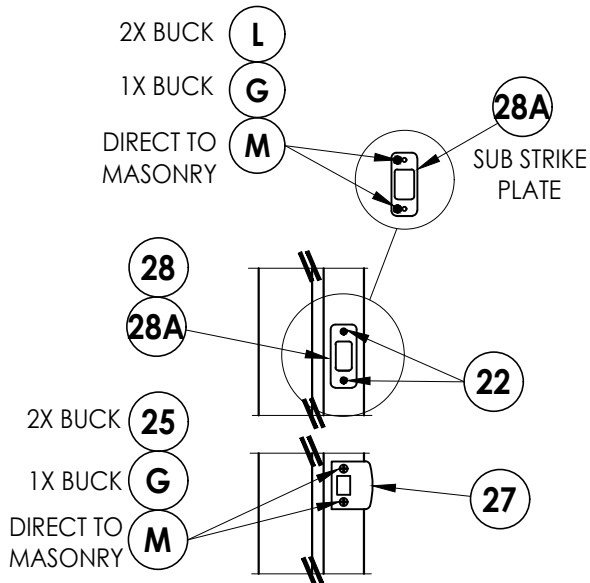
Documents Prepared By:		RW	
Lyndon F. Schmidt		BUILDING CONSULTANTS, INC.	
P.E. No. 43409		P.O. Box 230, Valrico, FL 33595	
		Phone No.: 813.659.9197	
		FBPE Registry No. 9813	

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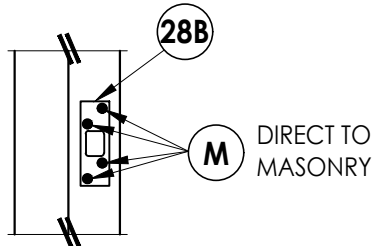
LATCH & DEADBOLT DETAIL

Kwikset



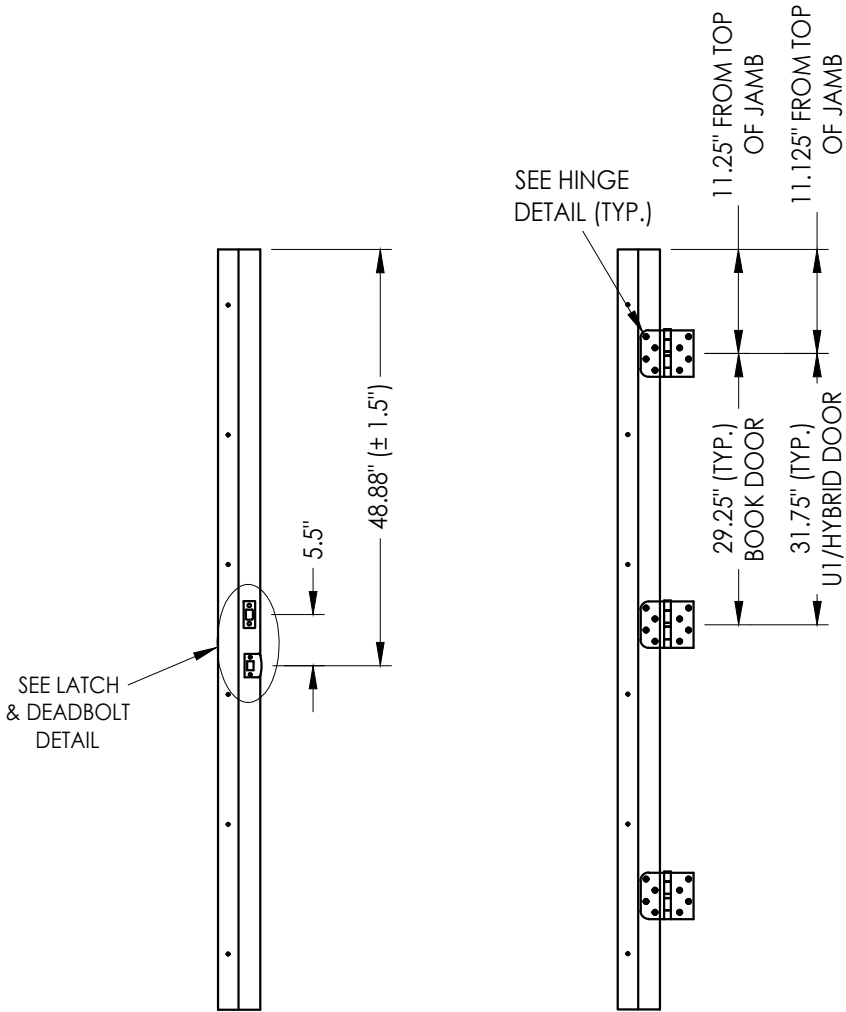
LATCH & DEADBOLT DETAIL

Schlage



DEADBOLT STRIKE DETAILS

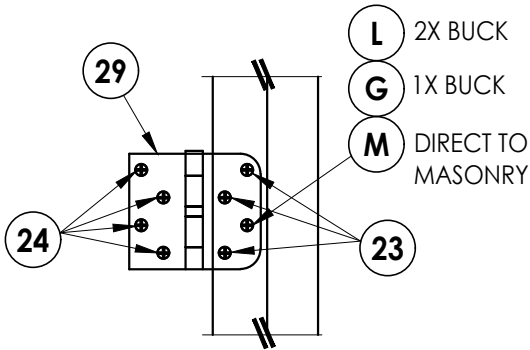
(Security Deadbolt Strike Plate)



STRIKE JAMB

Latch and Deadbolt

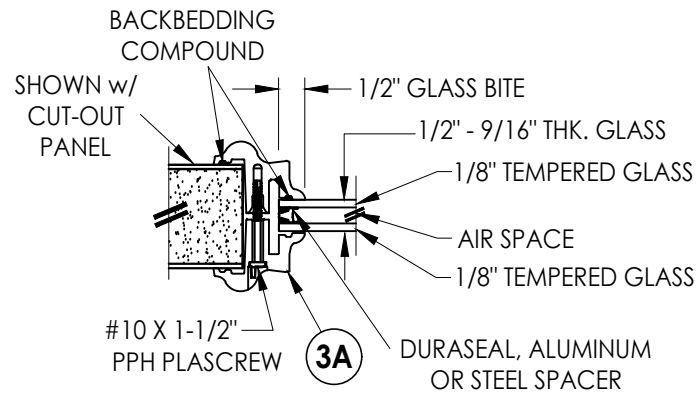
HINGE JAMB



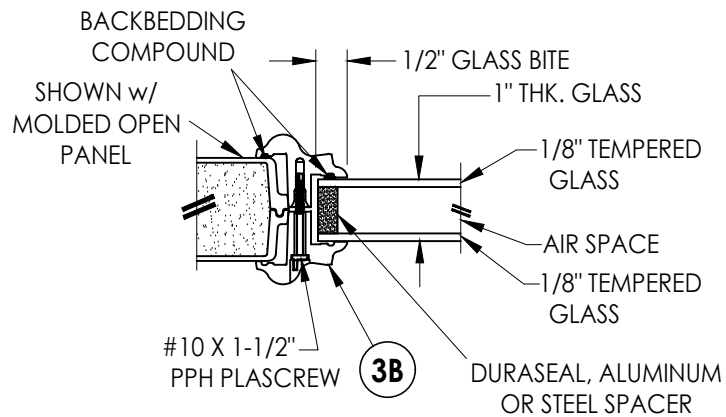
HINGE DETAIL

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: THERMA TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HARDWARE DETAILS	
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC
4	7/27/22	REMOVE FLUSH GLAZING OPTION	LFS
3	7/16/20	UPDATE TO 7th ED (2020)	FBC
2	10/10/18	REV. DOOR PANEL OPTION NOTE	MT
1	11/15/17	RECESSED PANEL NOTATION	JK
NO.	DATE		BY
REVISIONS			
DATE: 07/07/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21133.12			
SHEET 9 OF 12			

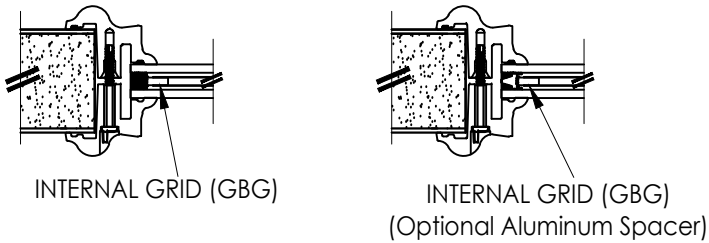
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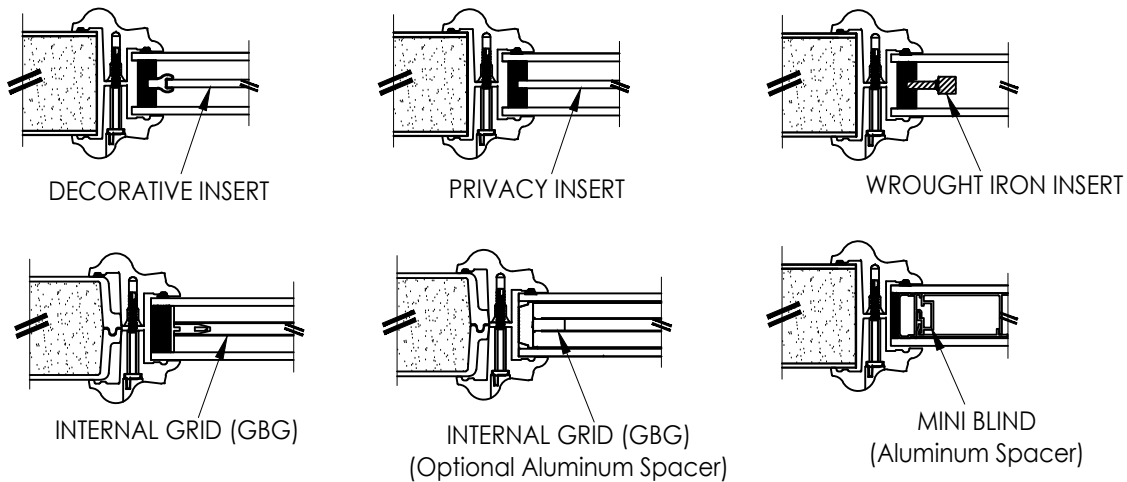
G1 GLAZING DETAIL
BTS Lite Frame
Door Panels



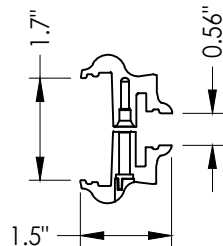
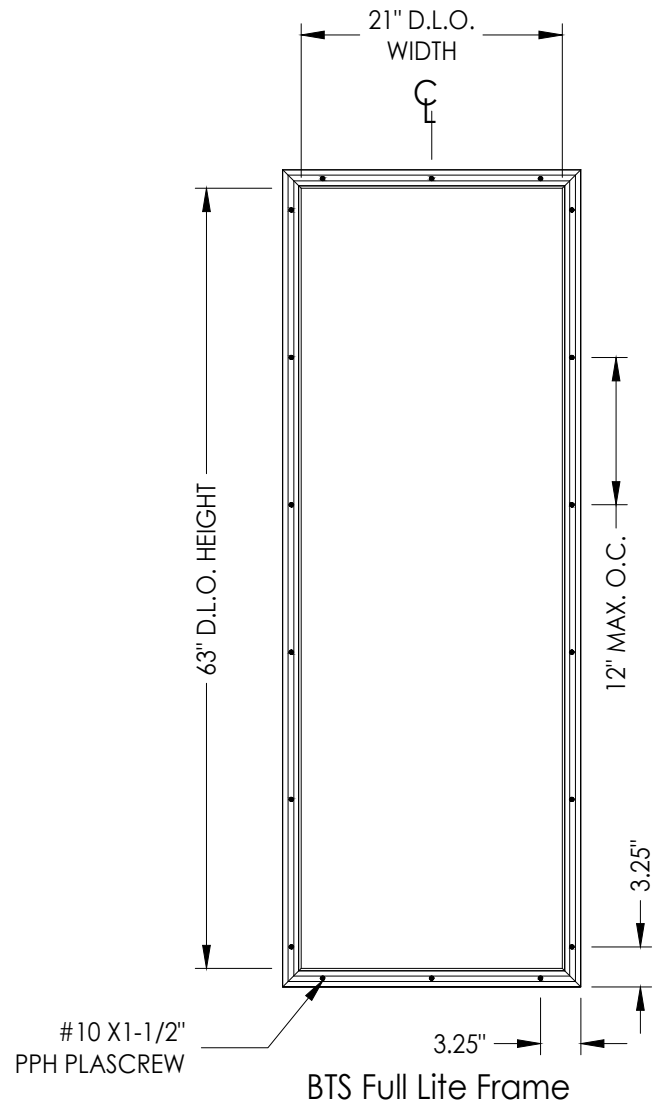
G2 GLAZING DETAIL
BTS Lite Frame
Door Panels



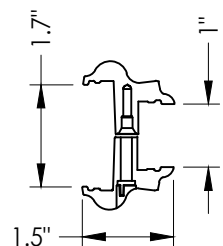
9/16" INSULATED GLASS INSERT OPTIONS



1" INSULATED GLASS INSERT OPTIONS



3A BTS LITE FRAME
1/2" & 9/16" Glazing



3B BTS LITE FRAME
1" Glazing

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
GLAZING DETAILS

NO.	DATE	REVISIONS
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2	10/10/18	REV. DOOR PANEL OPTION NOTE
1	11/15/17	RECESSED PANEL NOTATION

DATE: 07/07/17

SCALE: N.T.S.

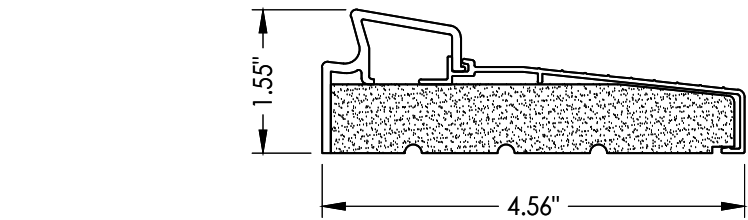
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CHK. BY: LFS

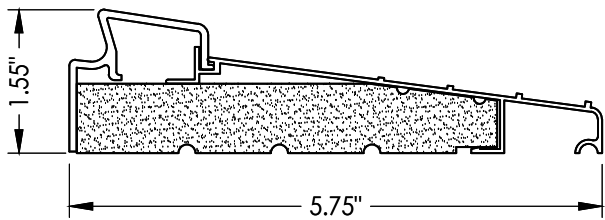
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SHEET 10 OF 12

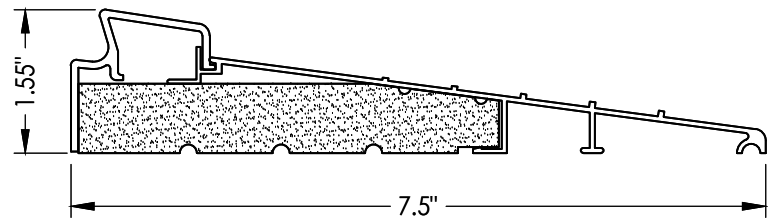
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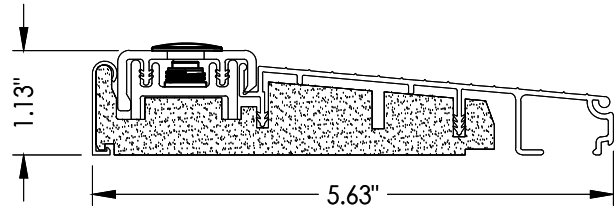
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



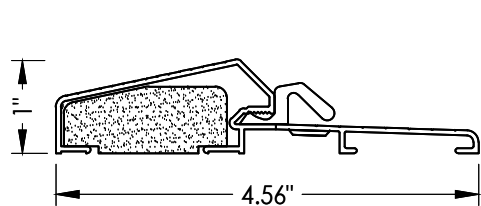
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



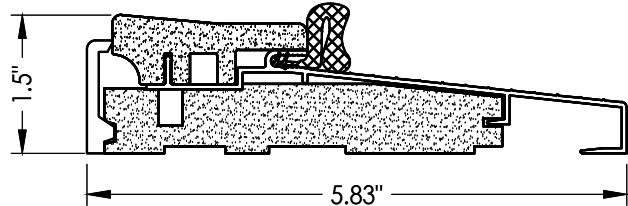
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



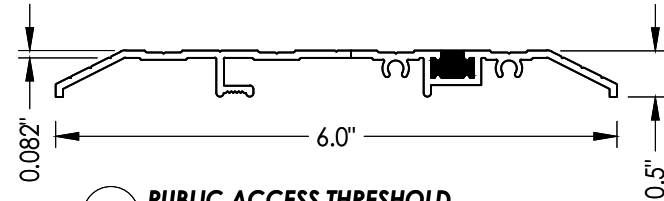
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



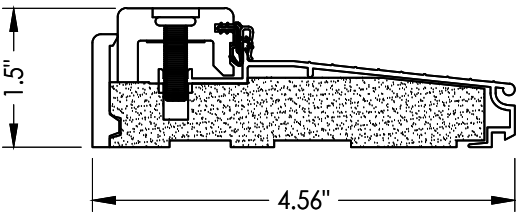
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



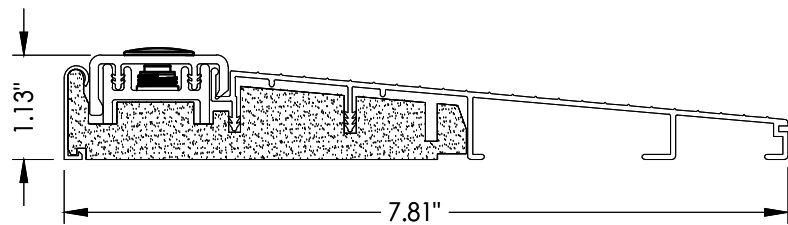
16 OUTSWING THRESHOLD*
Composite / Aluminum Sill



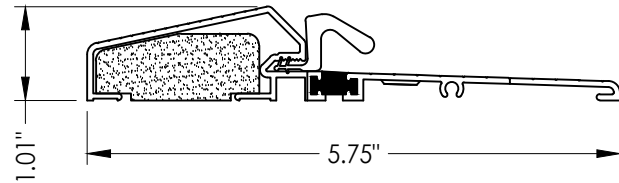
15 PUBLIC ACCESS THRESHOLD



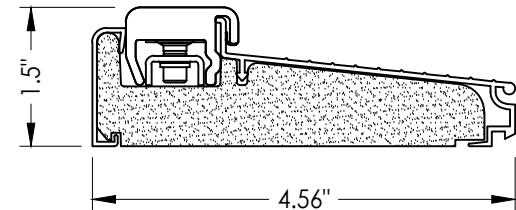
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



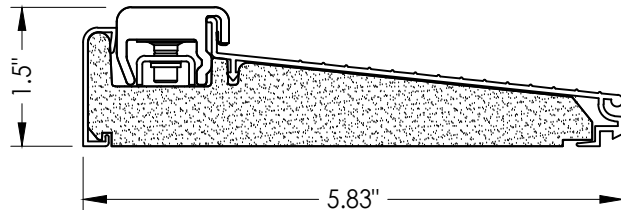
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



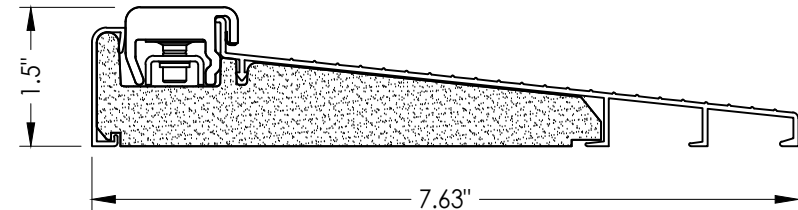
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



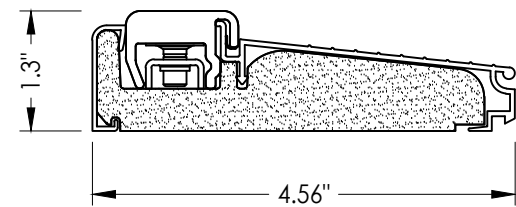
50 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



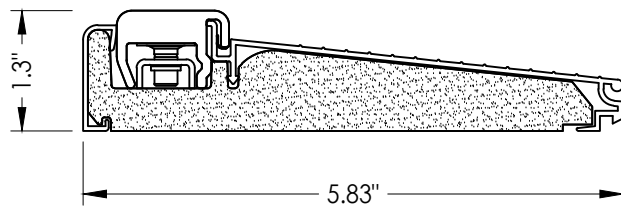
51 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



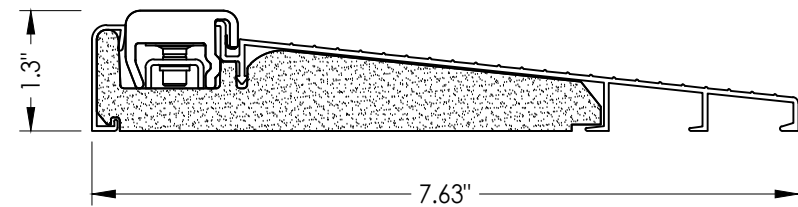
52 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



53 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



54 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



55 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1

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
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

NO.	DATE	REVISIONS			
		DATE	BY	JK	MT
5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
4	7/27/22	REMOVE FLUSH GLAZING OPTION		LFS	
3	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO	
2	10/10/18	REV. DOOR PANEL OPTION NOTE		MT	
1	11/15/17	RECESSED PANEL NOTATION		JK	

DATE: 07/07/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

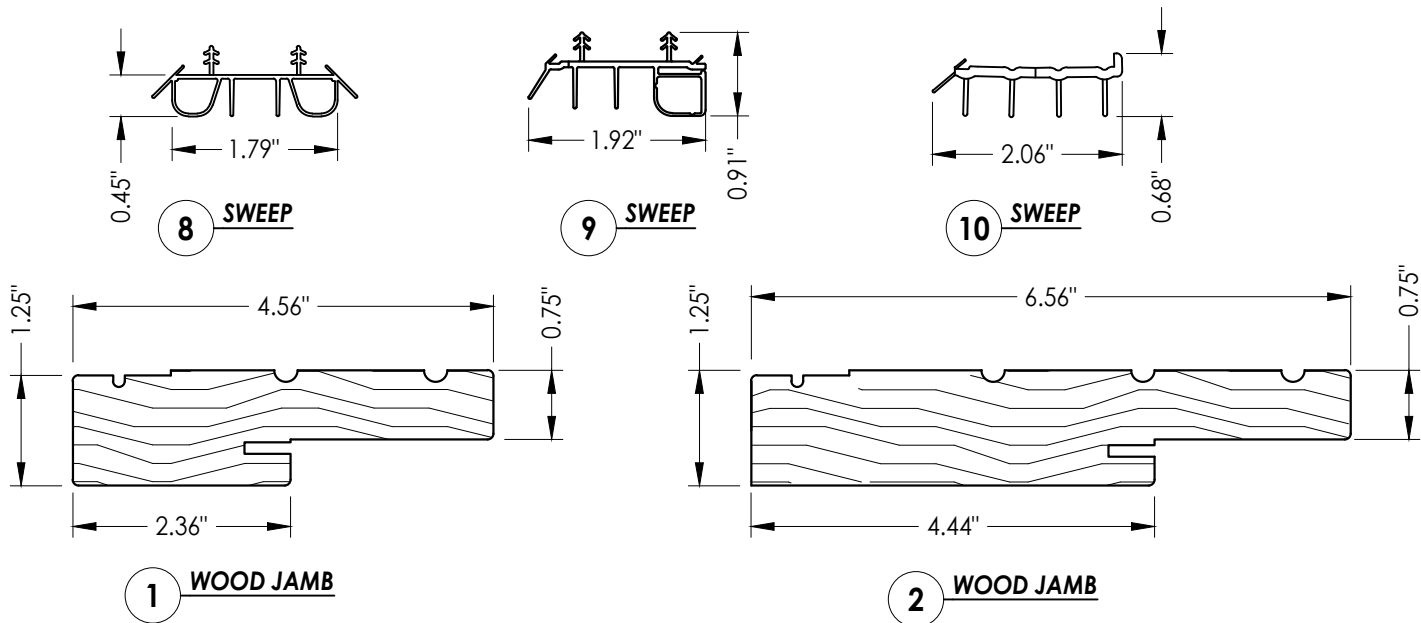
DRAWING NO.: FL-21133.12

SHEET 11 OF 12

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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	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
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
1	JAMB (FINGER JOINT PINE)	WOOD
2	JAMB (FINGER JOINT PINE)	WOOD
6	WEATHERSTRIP (MEDIUM REACH)	FOAM
7	WEATHERSTRIP (LONG REACH)	FOAM
8	SWEEP	VINYL
9	SWEEP	VINYL
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
15	PUBLIC ACCESS THRESHOLD	ALUM
16	OUTSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
26	#8 x 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE (STANDARD)	STEEL
28A	DEADBOLT STRIKE PLATE	STEEL
28B	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD	ALUM/COMP
36	INSWING THRESHOLD	ALUM/COMP
37	INSWING THRESHOLD	ALUM/COMP
38	INSWING THRESHOLD	ALUM/COMP
39	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	INSWING THRESHOLD	ALUM/COMP
51	INSWING THRESHOLD	ALUM/COMP
52	INSWING THRESHOLD	ALUM/COMP
53	INSWING THRESHOLD	ALUM/COMP
54	INSWING THRESHOLD	ALUM/COMP
55	INSWING THRESHOLD	ALUM/COMP



CONCRETE ANCHOR NOTES:

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- 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.
- 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"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"

WOOD SCREW INSTALLATION NOTES:

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

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

PRODUCT:
THERMA TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
COMPONENTS &
BILL OF MATERIALS

REVISONS

5	8/23/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
4	7/27/22	REMOVE FLUSH GLAZING OPTION	LFS	
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1	11/15/17	RECESSED PANEL NOTATION		BY
NO.	DATE			

DATE: 07/07/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21133.12
SHEET 12 OF 12

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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