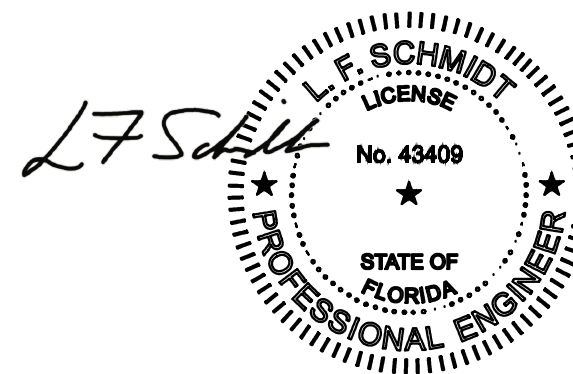


GENERAL NOTES

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 includes Wind Zone 4 as defined in ASTM E1996.
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 panels require the use of "J" part numbers and must be stained or painted within six months of installation.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel 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	Vertical Cross Sections (Thresholds)
8	Buck & Frame Anchoring
9	Hardware Details
10	Glazing Details
11	Components
12	Components & Bill of Materials

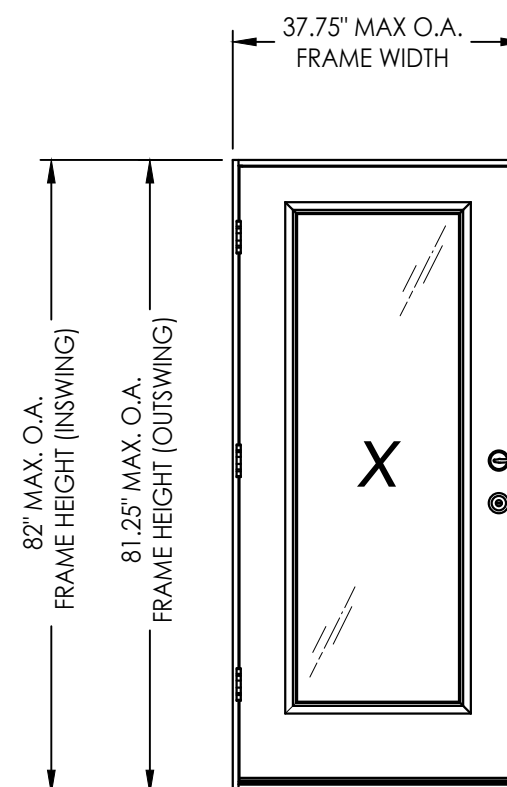


Digitally signed by
Lyndon F Schmidt
Date: 2026.08.05
14:40:03 -04'00'

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.

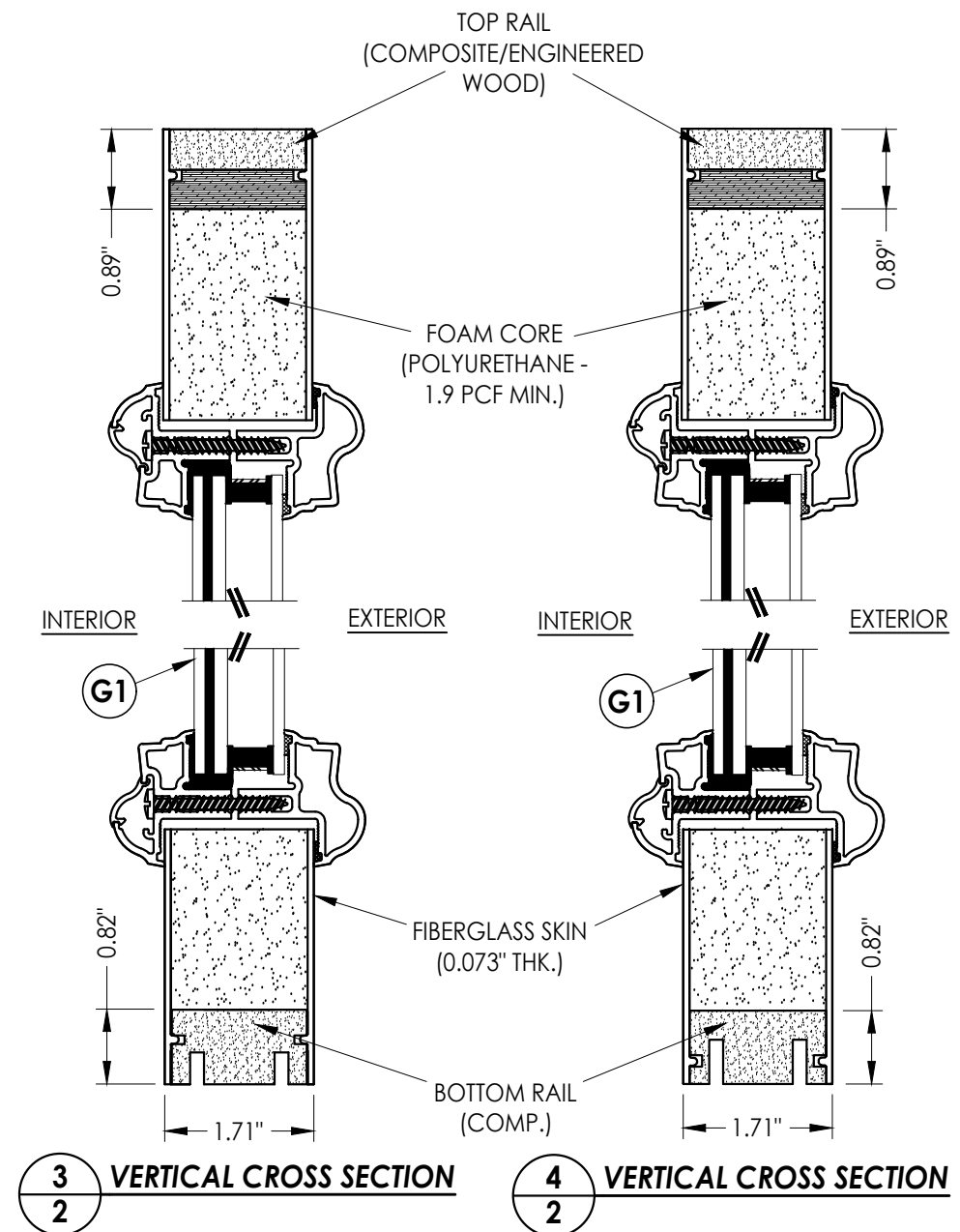
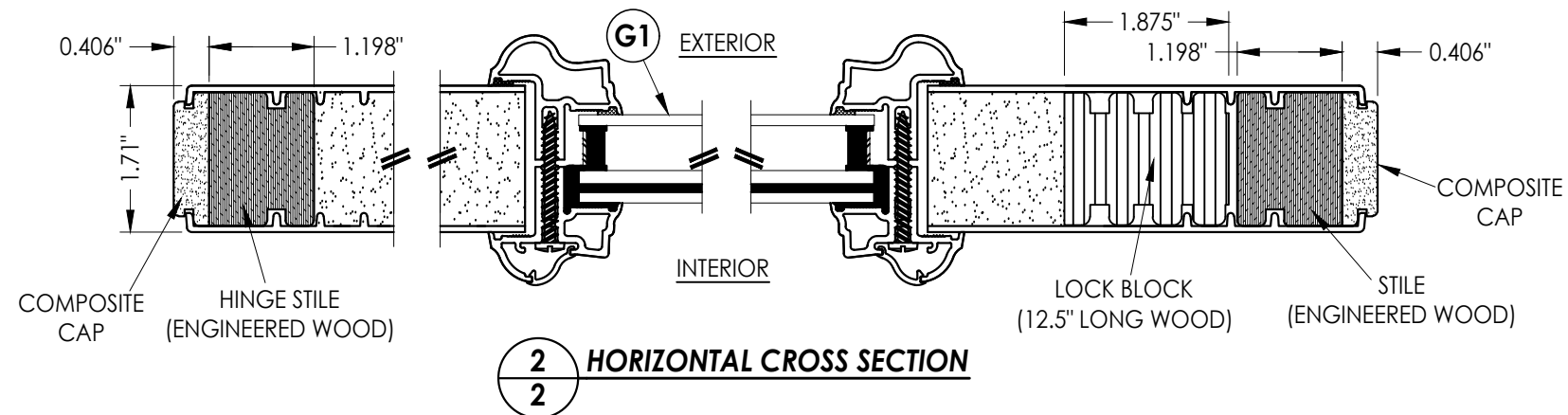
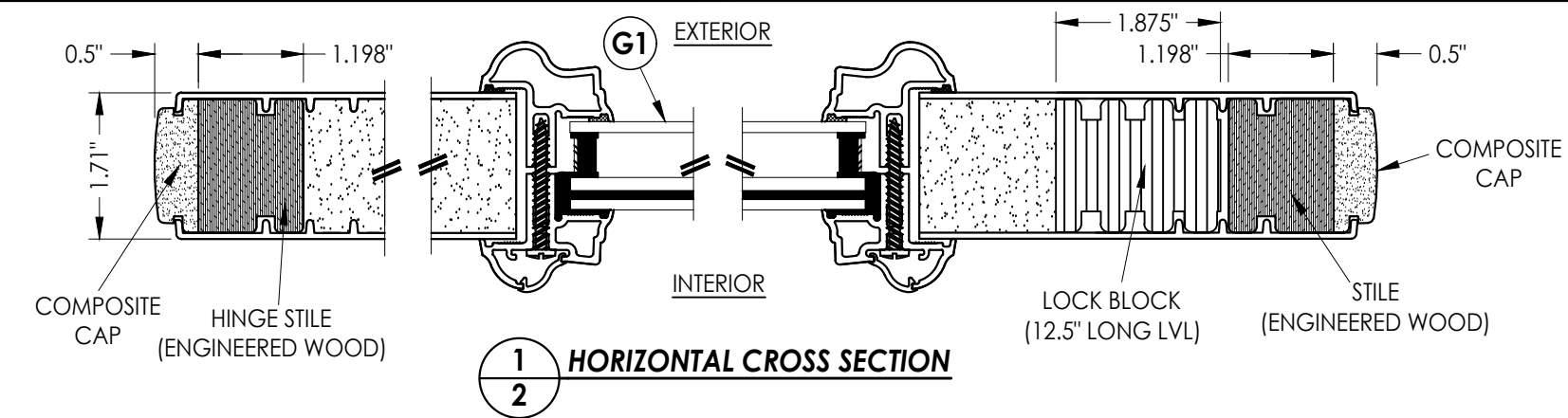
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	Latch & Deadbolt	+47.0	-53.0	+50.0	-50.0
X	Multipoint	+50.0	-50.0	+50.0	-50.0

See Sheet 3 for Hardware Specifications

[illegible]

[illegible]

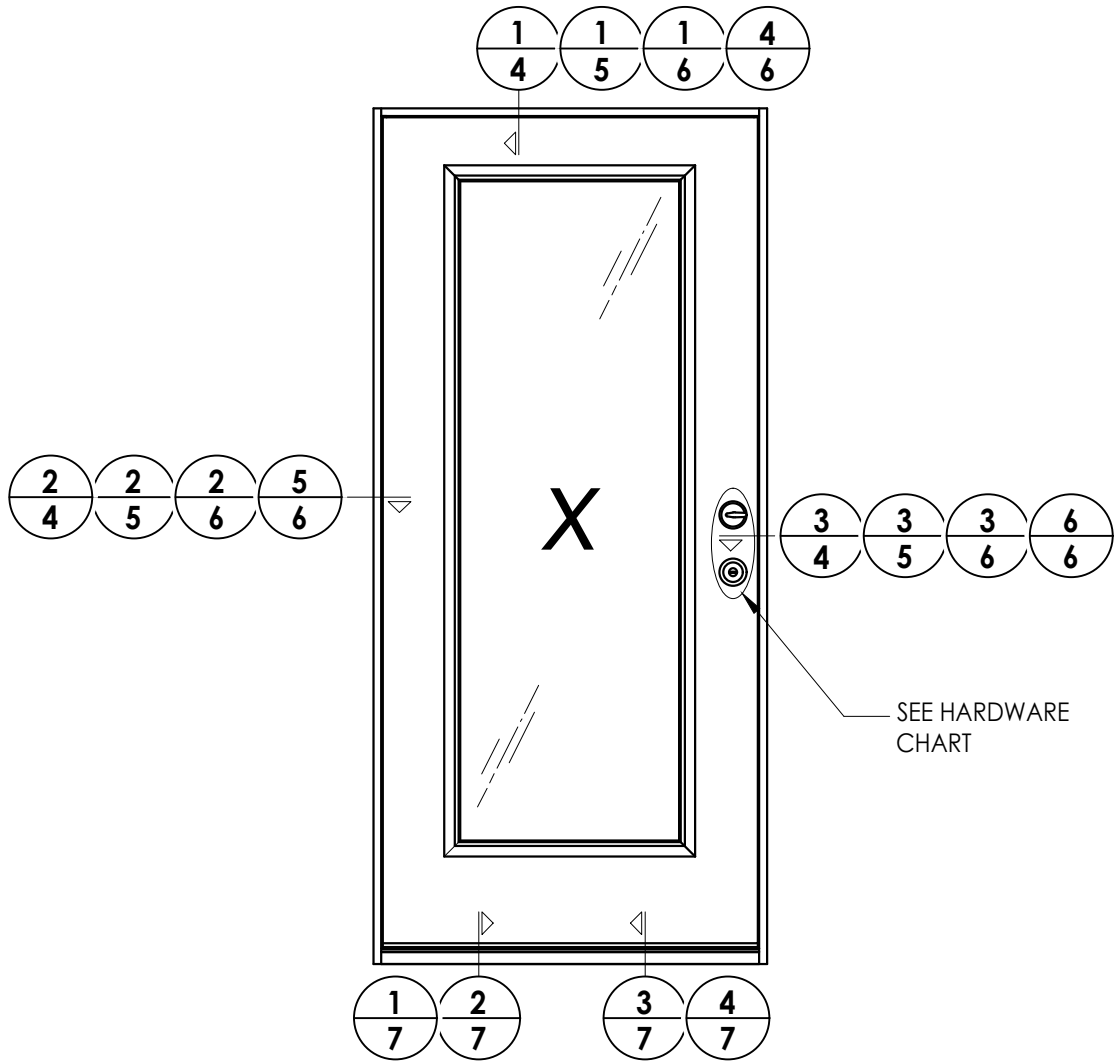
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

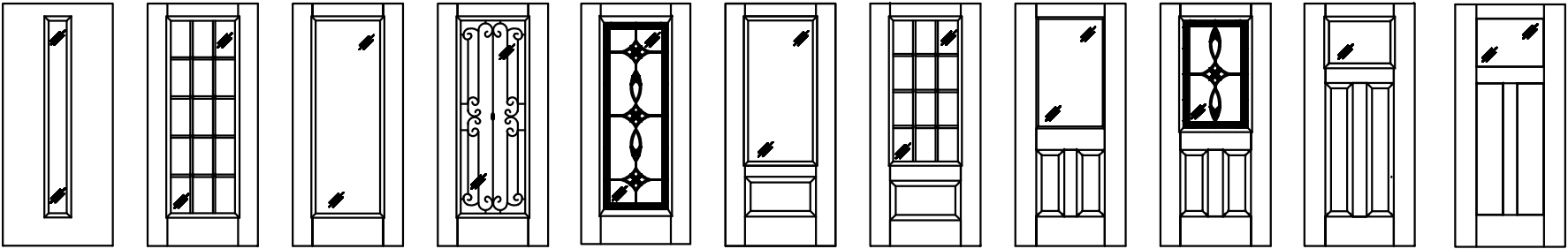
PART OR ASSEMBLY:
DOOR PANEL DETAILS

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

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HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	Knob:	F51
	DEADBOLT:	B60
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGART (3 pt. Manual Tongue)	



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.

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20468.7

SHEET 3 OF 12

REVISIONS

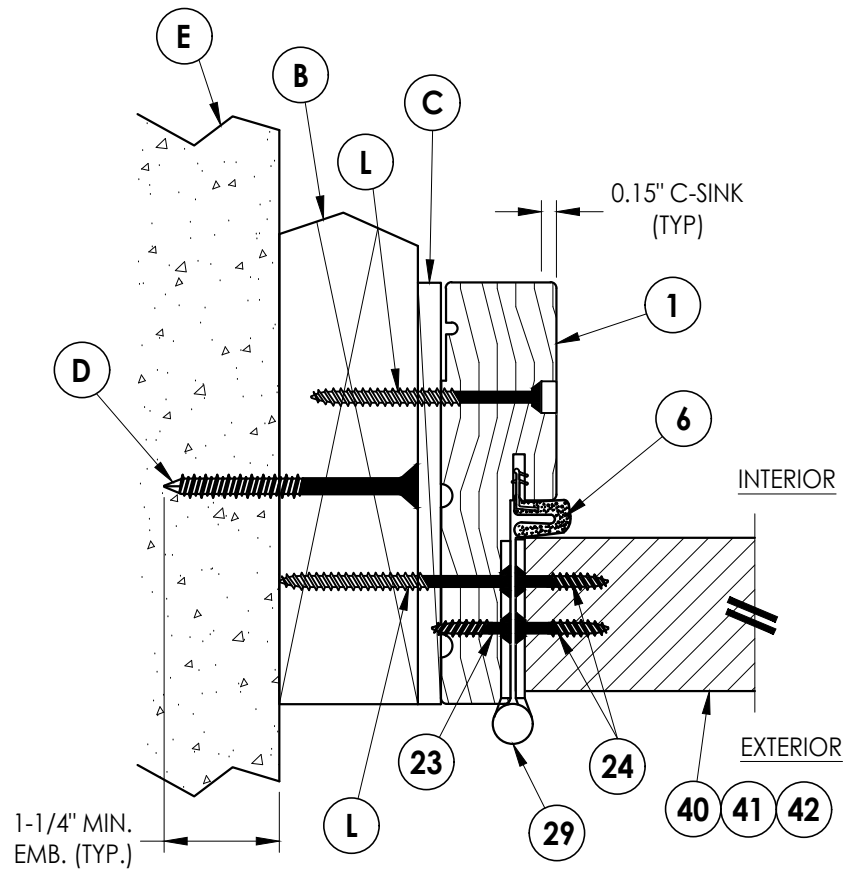
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5	7/20/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/14/20	UPDATE TO 7th ED (2020) FBC LFS

PRODUCT: THERMA-TRU FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

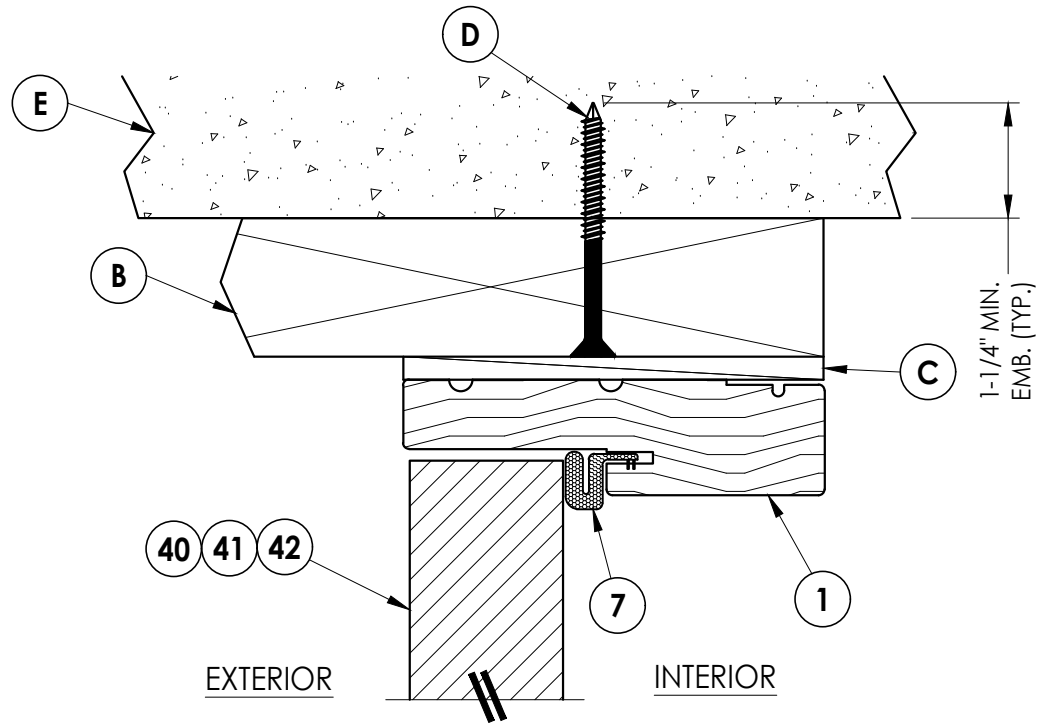
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409

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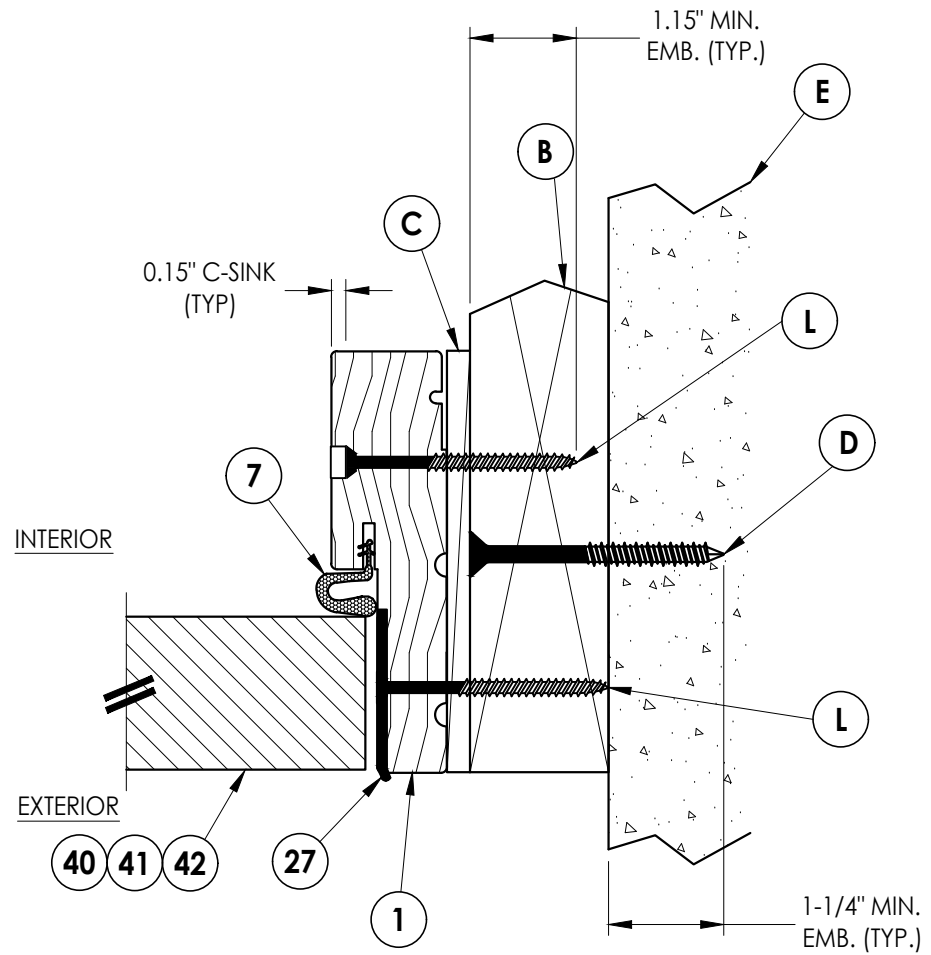
2 HORIZONTAL CROSS SECTION

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



1 4 **VERTICAL CROSS SECTION**

Shown w/ 2X Buck
Outswing shown (Inswing similar)



3 **HORIZONTAL CROSS SECTION**

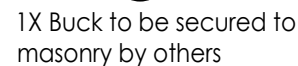
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)

[illegible]

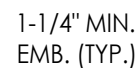
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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



2 5 **HORIZONTAL CROSS SECTION**

Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



3 **HORIZONTAL CROSS SECTION**

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

[illegible]

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20468.7

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

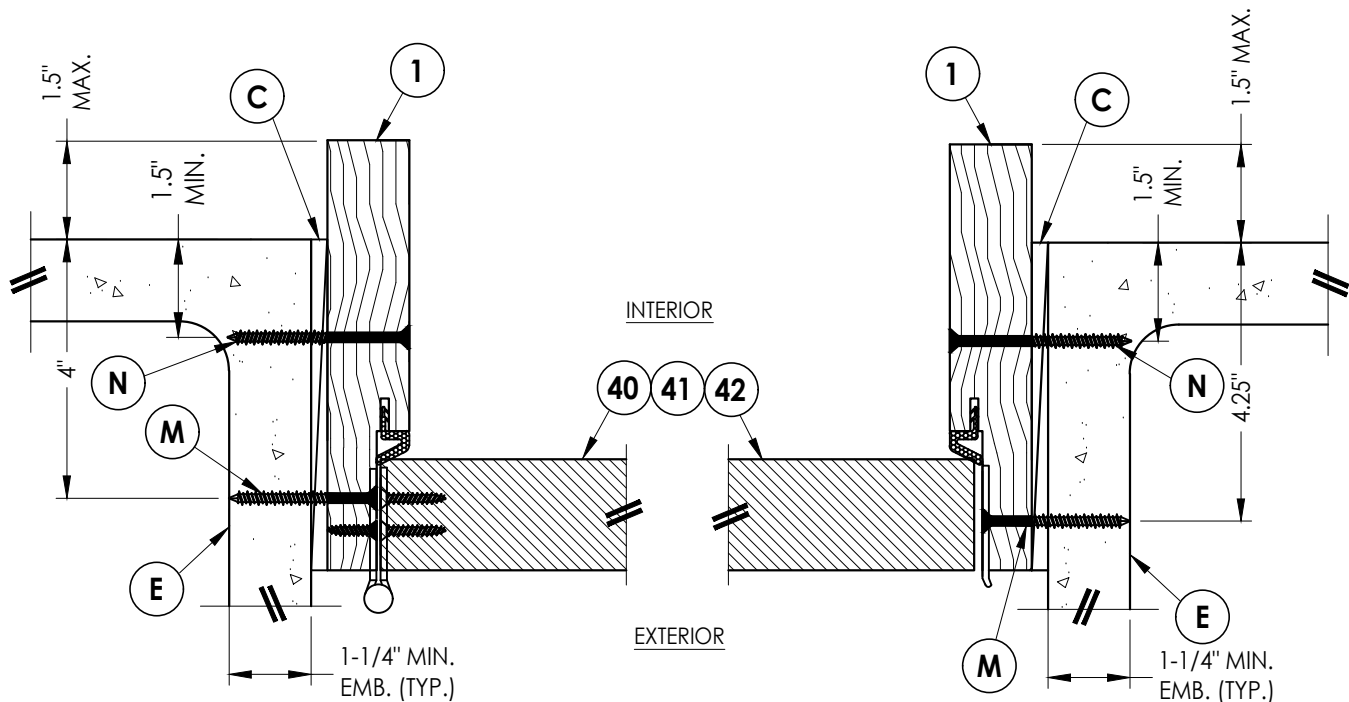
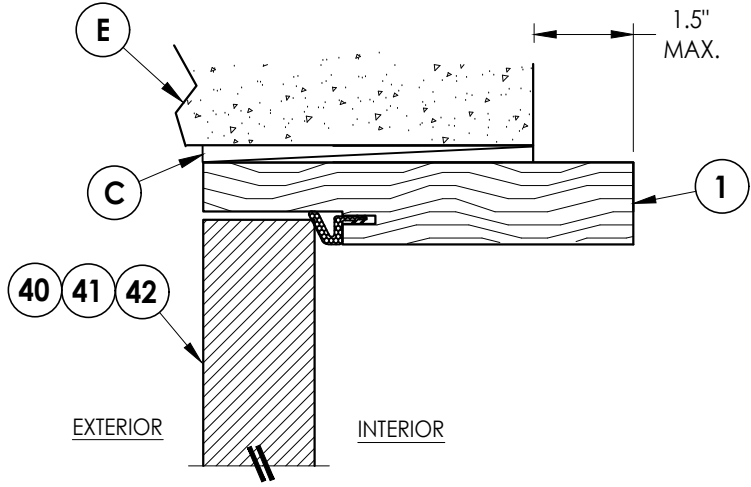
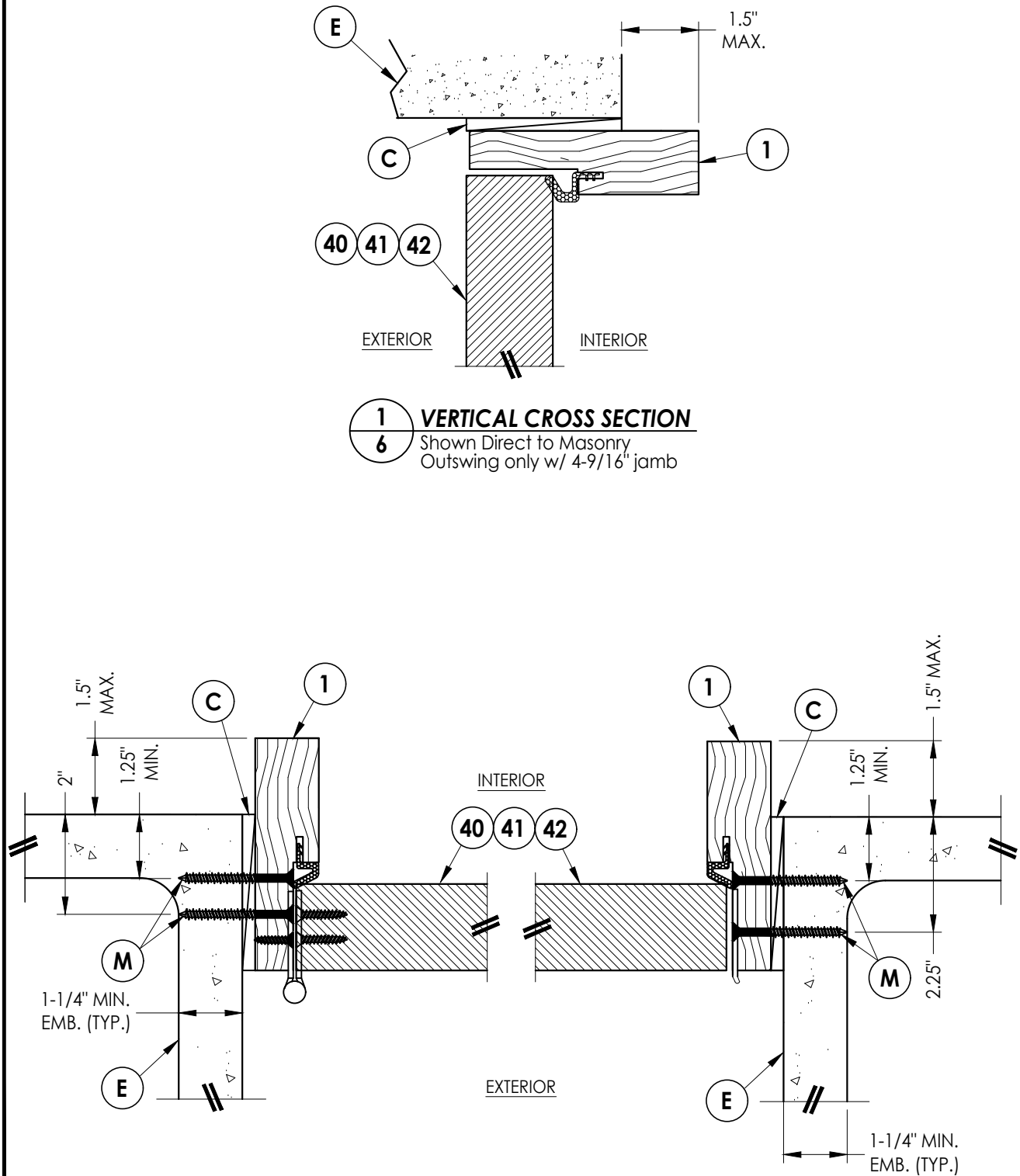
R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

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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
FL Reg. No. 15816 No. 43409

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

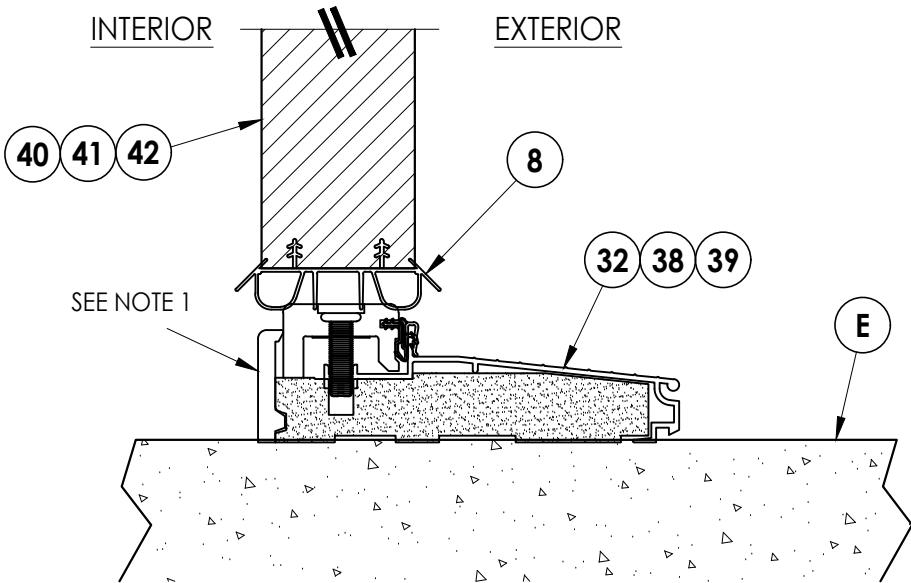
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS	BY
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5	7/20/23	UPDATE TO 8TH ED. (2023) FBC LFS	LFS
4	7/14/20	UPDATE TO 7TH ED (2020) FBC LFS	LFS

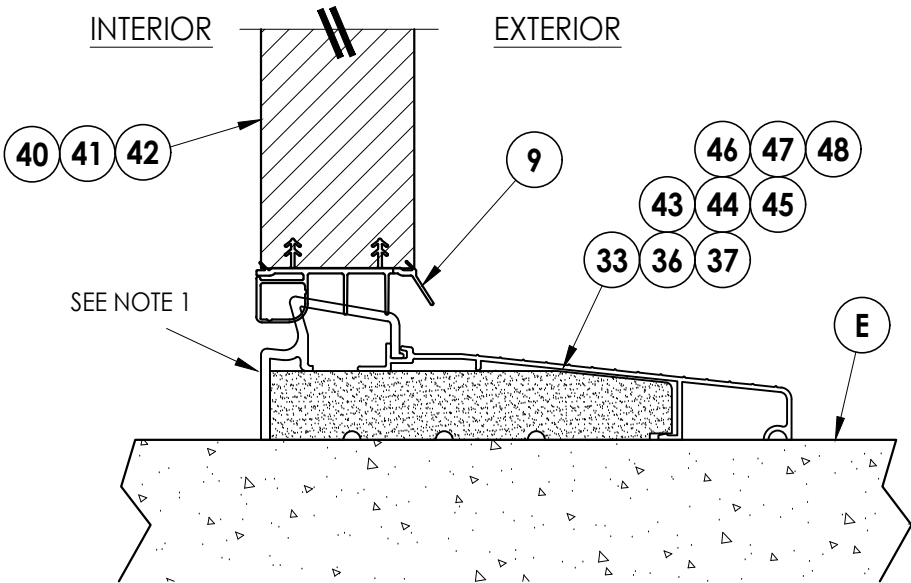
DATE: 08/02/16
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-20468.7
SHEET 6 OF 12

Z:\2023 FBC Drawings\Therma-Tru\FL-20468 R7\FL-20468.7-9.dwg

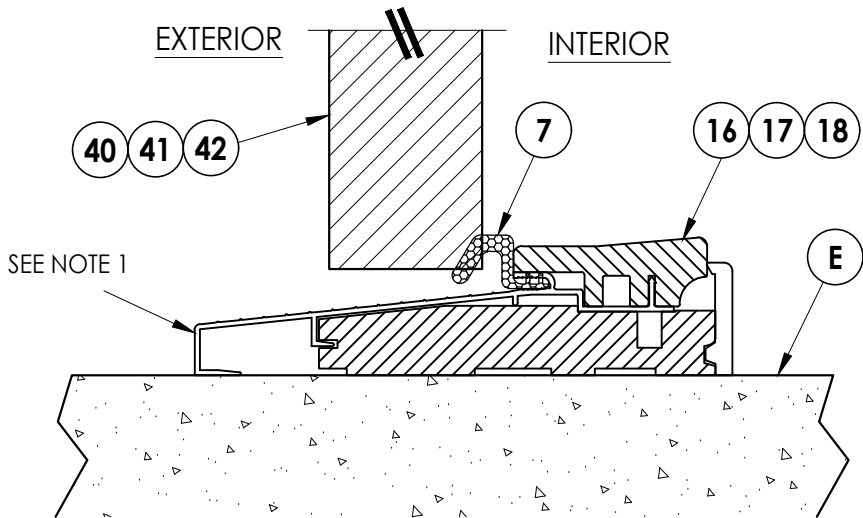
- Notes:
- 1. Sill Item #'s 16, 32, 33, 36, 37, 38, 39, 43, 44, 45, 46, 47 & 48 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws or (3) 2.5" staples at each end.
 - 2. Sill Item #'s 17 & 18 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
 - 3. Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.



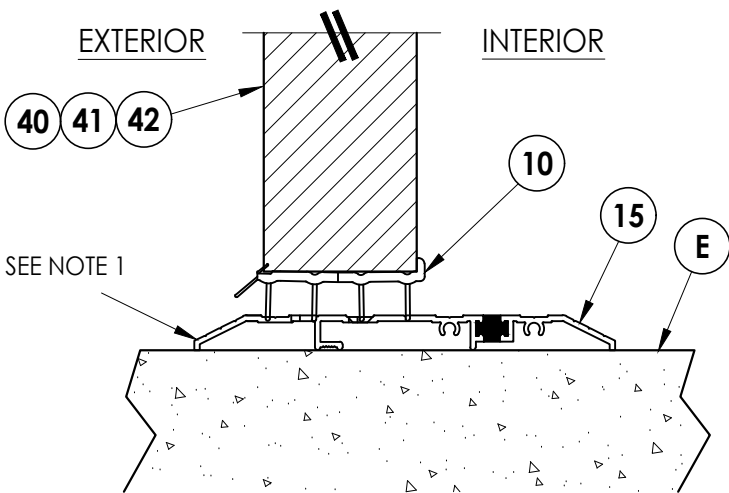
1
7 **VERTICAL CROSS SECTION**
Inswing Sill



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

RW 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:
**VERTICAL CROSS
SECTIONS (THRESHOLDS)**

NO.	DATE	REVISIONS		
		BY	DATE	DESCRIPTION
6	7/01/26	LFS		UPDATE TO 9TH ED. (2026) FBC
5	7/20/23	LFS		UPDATE TO 8TH ED. (2023) FBC
4	7/14/20	LFS		UPDATE TO 7th ED (2020) FBC

DATE: 08/02/16

SCALE: N.T.S.

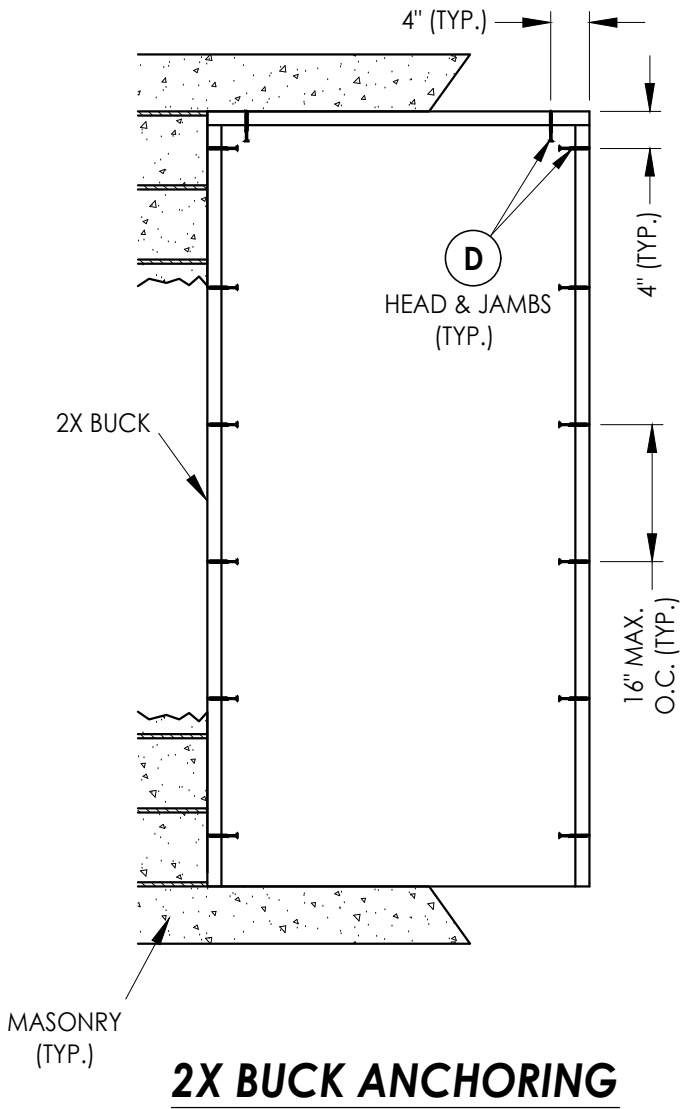
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CHK. BY: LFS

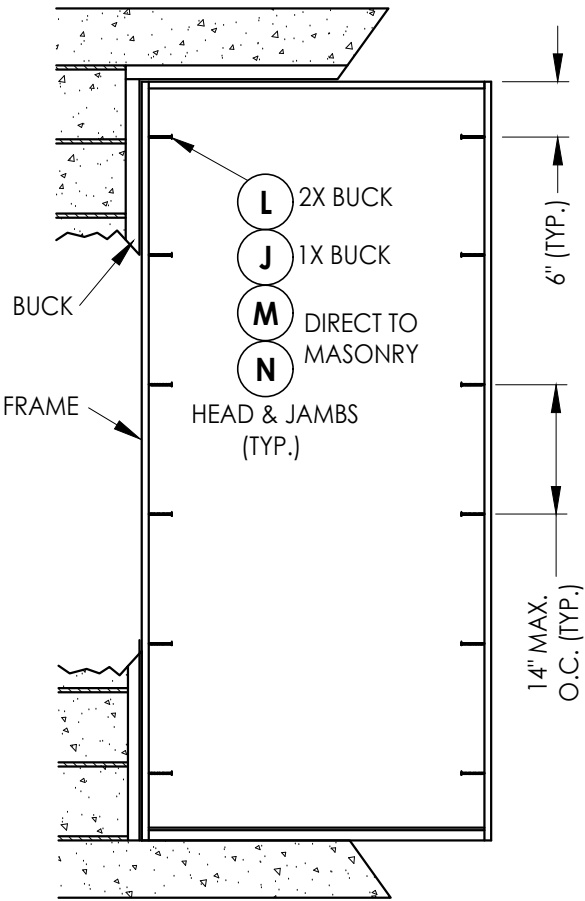
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FL-20468.7

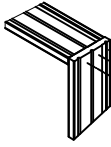
SHEET 7 OF 12



2X BUCK ANCHORING



FRAME ANCHORING



(3) #8 x 2-1/2"
PFH WS

JAMB TO HEAD DETAIL
(TYP.)

6	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
5	7/20/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
4	7/14/20	UPDATE TO 7th ED (2020)	FBC	LFS			
NO.	DATE			BY			
				REVISIONS			

DATE: 08/02/16	
SCALE: N.T.S.	
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.: FL-20468.7	
SHEET	8 OF 12

DATE: 08/02/16

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20468.7

SHEET 8 OF 12

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

BUCK & FRAME ANCHORING

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

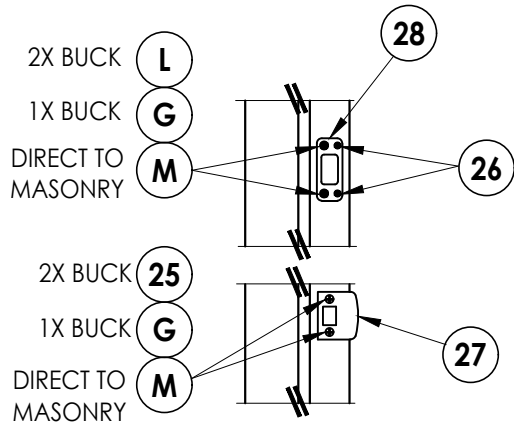
Regal BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197

Phone No.: 813.659.9197
FBPE Registry No. 9813

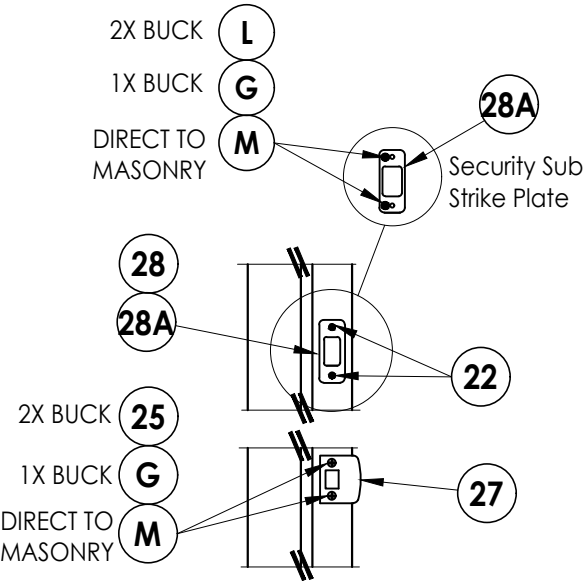
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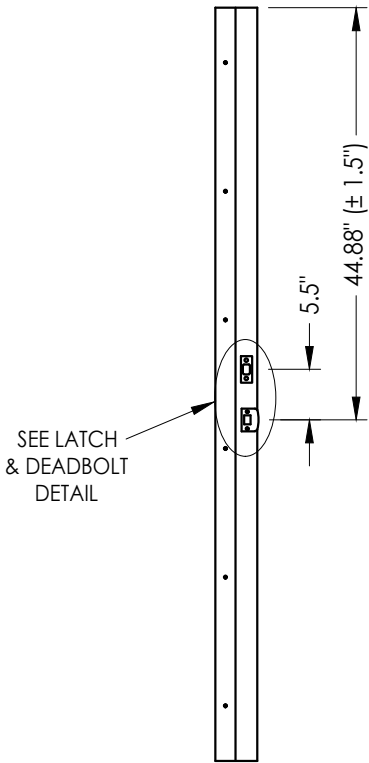
LATCH & DEADBOLT DETAIL

Kwikset



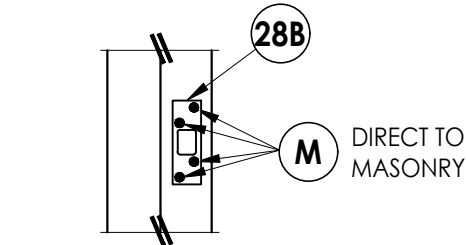
LATCH & DEADBOLT DETAIL

Schlage



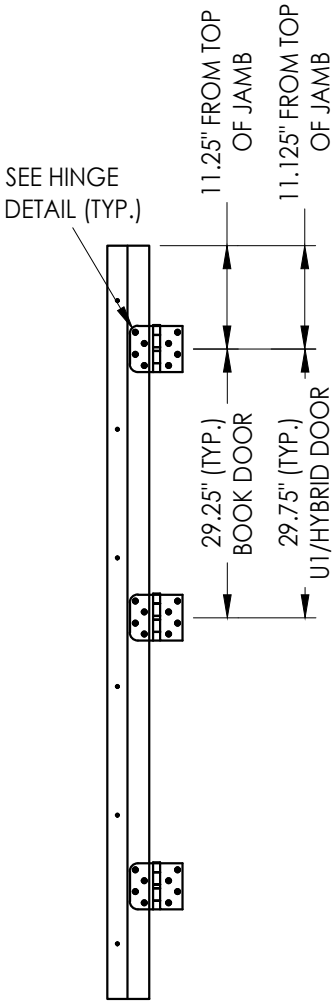
STRIKE JAMB

Latch and Deadbolt

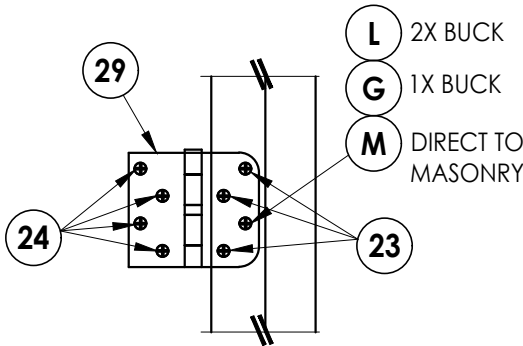


DEADBOLT STRIKE DETAILS

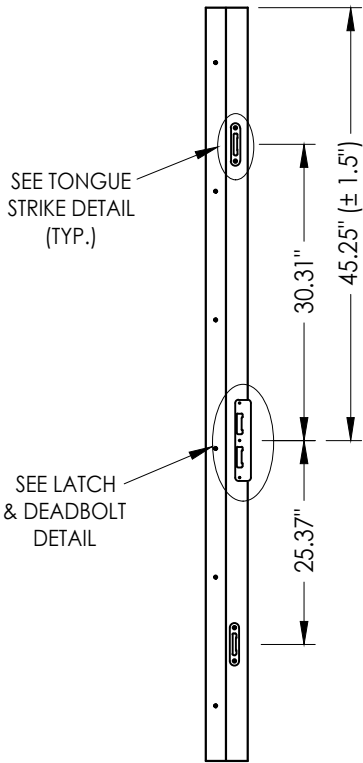
(Security Deadbolt Strike Plate)



HINGE JAMB

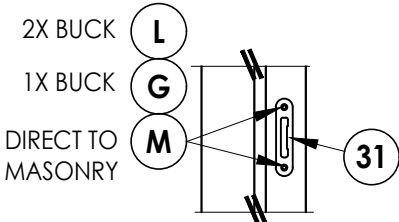


HINGE DETAIL



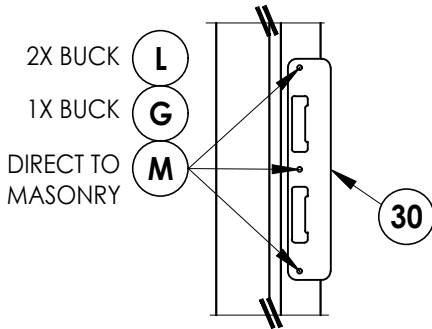
STRIKE JAMB

Multipoint Lock



TONGUE STRIKE DETAIL

Multipoint Lock



LATCH & DEADBOLT DETAIL

Multipoint Lock

MULTIPOINT LOCK STRIKE DETAILS

REVISIONS			
NO.	DATE	BY	
6	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
5	7/20/23	UPDATE TO 8TH ED. (2023)	FBC LFS
4	7/14/20	UPDATE TO 7th ED (2020)	FBC LFS

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20468.7

SHEET 9 OF 12

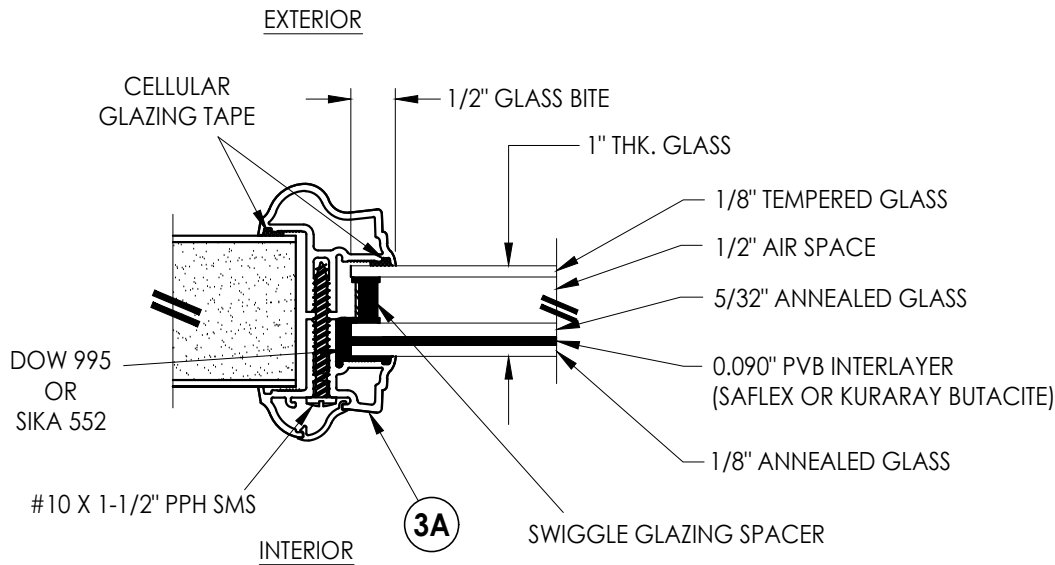
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

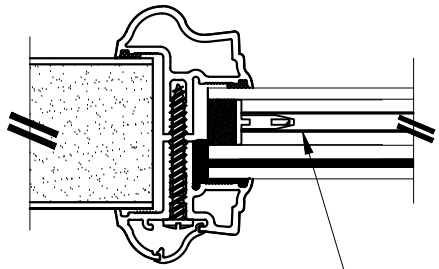
PART OR ASSEMBLY:
HARDWARE DETAILS

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

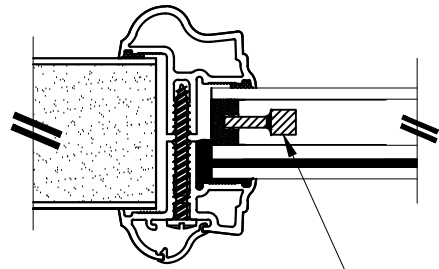
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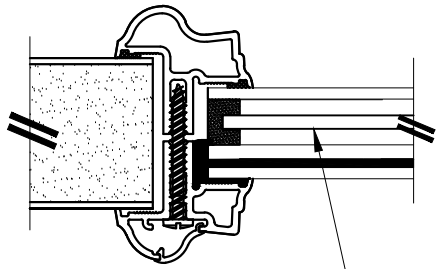
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



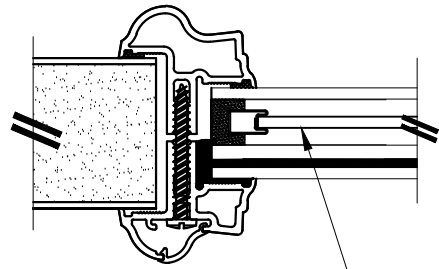
INTERNAL GRID (GBG)



WROUGHT IRON INSERT

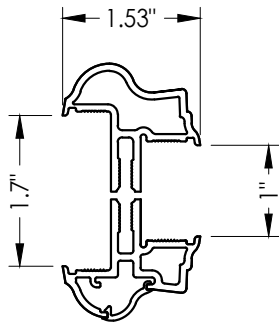


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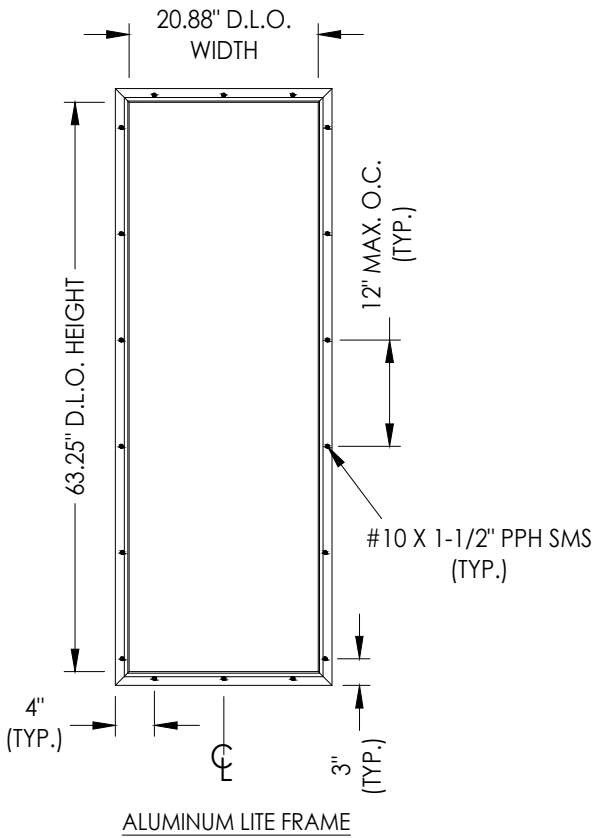


DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



3A ALUMINUM FRAME
Aluminum Impact Lite Frame
Door Panels & Sidelites



DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20468.7

SHEET 10 OF 12

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

GLAZING DETAILS

Documents Prepared By:

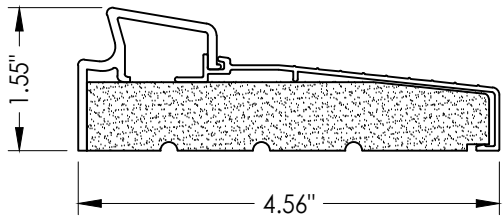
Lyndon F. Schmidt
P.E. No. 43409

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

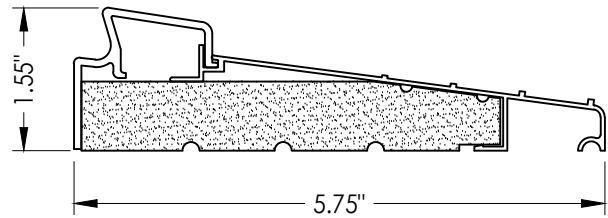
REVISIONS

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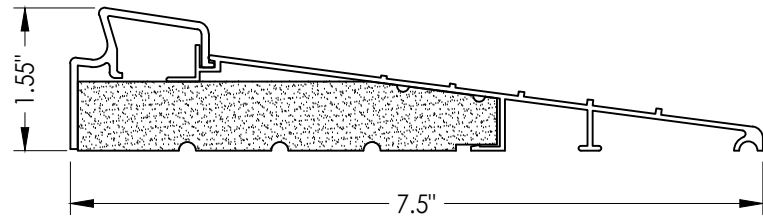
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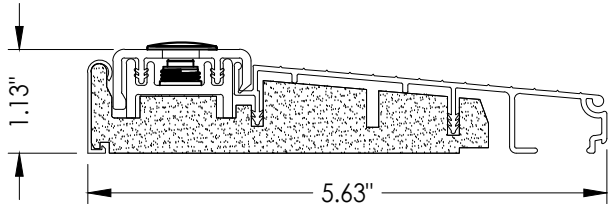
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



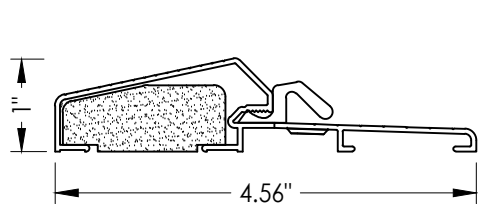
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



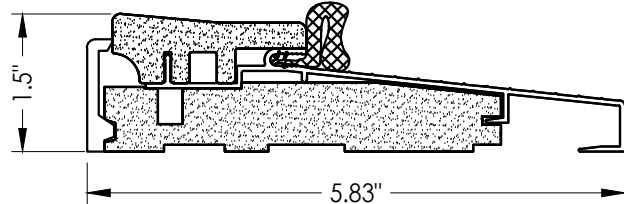
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



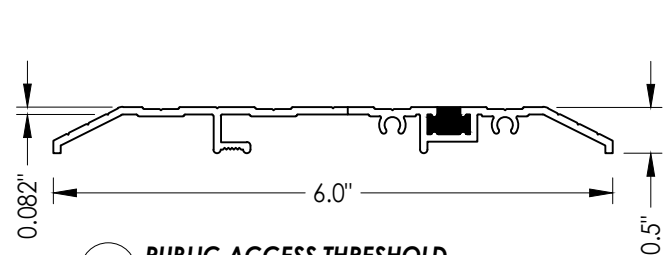
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



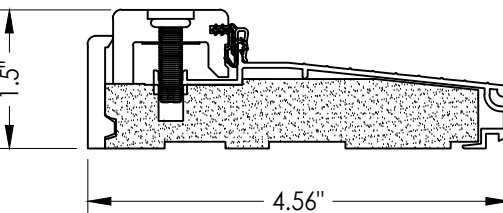
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



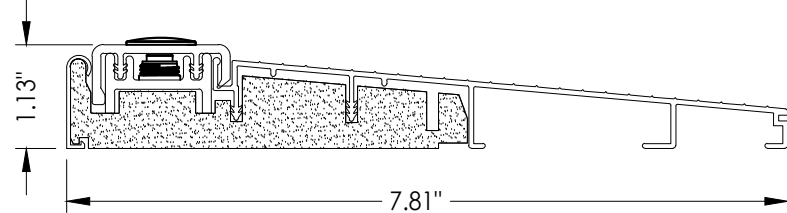
16 OUTSWING THRESHOLD
Composite / Aluminum Sill



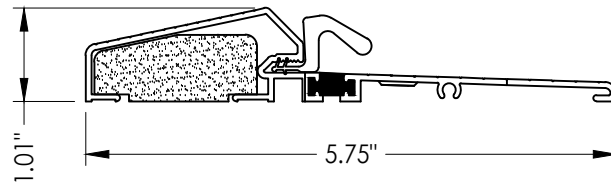
15 PUBLIC ACCESS THRESHOLD



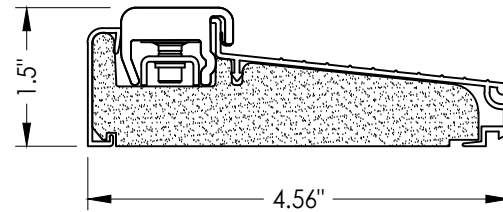
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



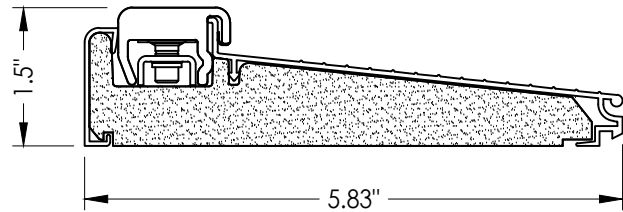
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



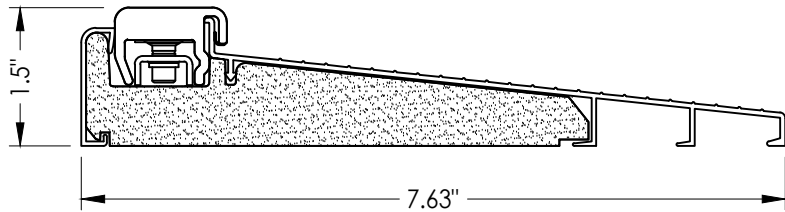
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



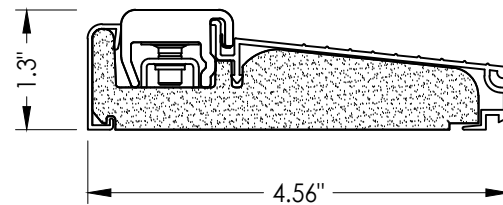
43 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



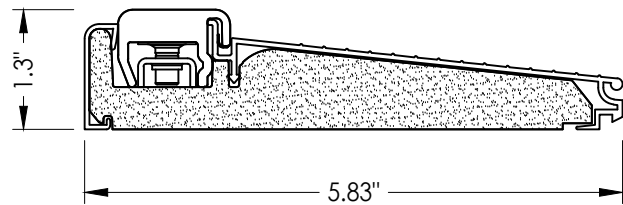
44 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



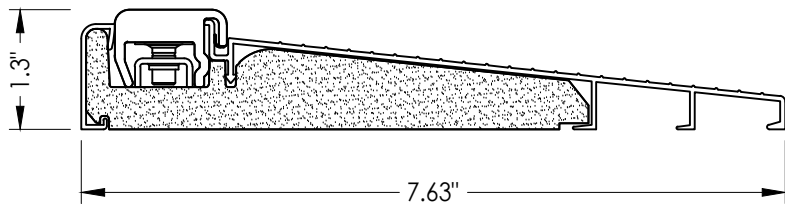
45 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



46 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



47 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



48 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, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

NO.	DATE	REVISIONS	BY
6	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
5	7/20/23	UPDATE TO 8TH ED. (2023) FBC	LFS
4	7/14/20	UPDATE TO 7th ED. (2020) FBC	LFS

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20468.7

SHEET 11 OF 12

BILL OF MATERIALS			BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL	ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD	25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
B	2X BUCK (SG >= 0.42)	WOOD	26	#8 x 5/8" PFH WOOD SCREW	STEEL
C	1/4" MAX. SHIM SPACE	-	27	LATCH STRIKE PLATE	STEEL
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	28	DEADBOLT STRIKE PLATE (STANDARD)	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28A	DEADBOLT SUB STRIKE PLATE	STEEL
			28B	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	29	4" X 4" HINGE	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	30	LATCH & DEADBOLT STRIKE PLATE (TONGUE SYSTEM)	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	31	MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	33	INSWING THRESHOLD	ALUM/COMP
1	JAMB (FINGER JOINT PINE)	WOOD	36	INSWING THRESHOLD	ALUM/COMP
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	37	INSWING THRESHOLD	ALUM/COMP
7	WEATHERSTRIP (LONG REACH)	FOAM	38	INSWING THRESHOLD	ALUM/COMP
8	SWEEP	VINYL	39	INSWING THRESHOLD	ALUM/COMP
9	SWEEP	VINYL	40	DOOR PANEL (BOOK)	-
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	41	DOOR PANEL (HYBRID)	-
15	PUBLIC ACCESS THRESHOLD	ALUM	42	DOOR PANEL (U1)	-
16	OUTSWING THRESHOLD	ALUM/COMP	43	INSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP	44	INSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP	45	INSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL	46	INSWING THRESHOLD	ALUM/COMP
23	#10 x 3/4" PFH WOOD SCREW	STEEL	47	INSWING THRESHOLD	ALUM/COMP
24	#10 x 1" PFH WOOD SCREW	STEEL	48	INSWING THRESHOLD	ALUM/COMP

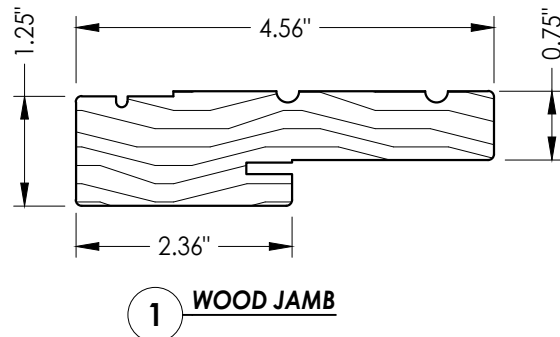
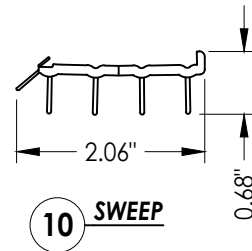
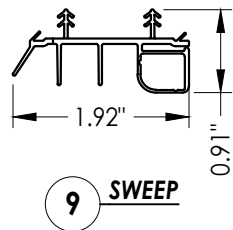
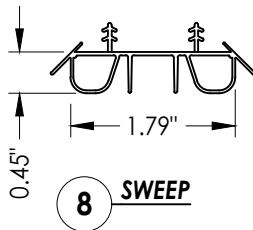
CONCRETE ANCHOR NOTES:

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"	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:

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



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.

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NO.	DATE				BY
					REVISIONS

DATE:	08/02/16
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SHEET	<u>12</u> OF <u>12</u>

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PART OR ASSEMBLY:

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