

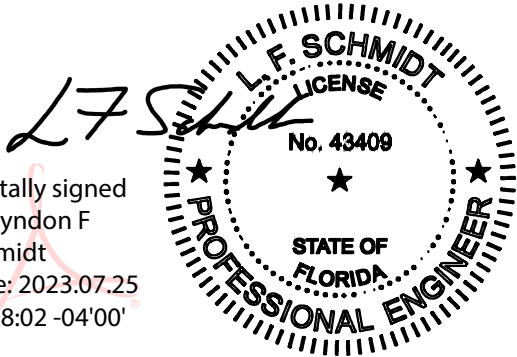
Z:\2023 FBC Drawings\Therma-Tru\FL-20470 R4\FL-20470.10-12.dwg

THERMA-TRU[®]
DOORS

Fiber-Classic[®] & Smooth-Star[®]

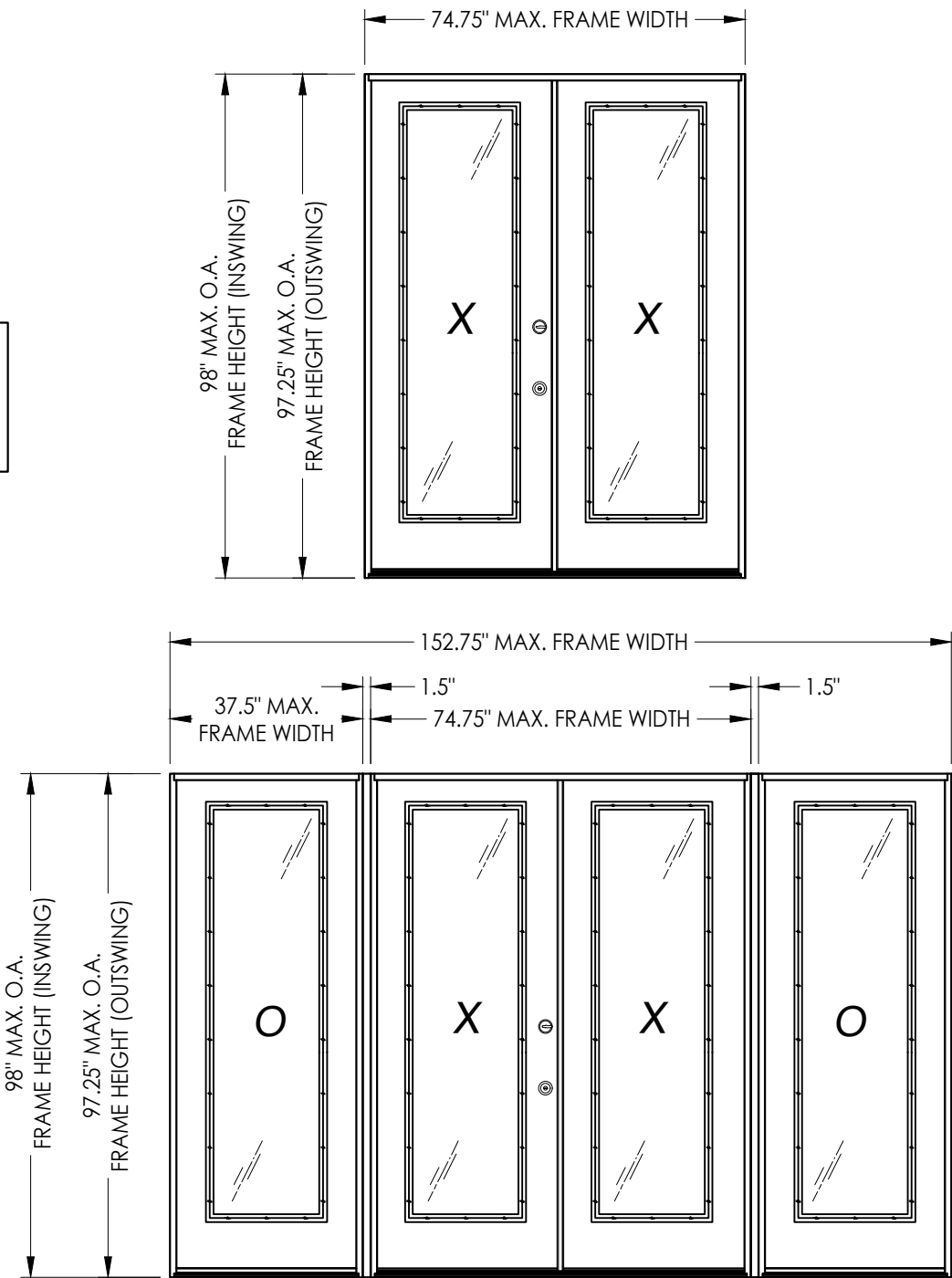
COMPOSITE EDGE
GLAZED FIBERGLASS DOUBLE DOOR
w/ or w/out SIDELITES
INSWING/OUTSWING

Digitally signed
by Lyndon F
Schmidt
Date: 2023.07.25
10:58:02 -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
XX, OXXO	+50.0	-55.0	+50.0	-50.0

See Sheet 4 for Hardware Specifications

GENERAL NOTES

- This product evaluation drawing has been developed in compliance with the 8th Edition (2023) Florida Building Code (FBC) including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
- When used in areas outside of the "HVHZ" 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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- This product meets the water infiltration requirements for the "HVHZ".
- Outswing configurations using Coastal Sill (item #19) & Composite Sill (item #16) under active doors meet water infiltration requirements for "HVHZ". All other configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

TABLE OF CONTENTS			
SHEET#	DESCRIPTION	SHEET#	
1	Typical Elevations, Design Pressures & General Notes	8	Vertical Cross Sections (Thresholds)
2	Door Panel Details	9	Buck Anchoring
3	Sidelite Panel Details	10	Frame Anchoring
4	Elevations	11	Hardware Details
5	Horizontal & Vertical Cross Sections (2X Buck)	12	Glazing Details
6	Horizontal & Vertical Cross Sections (1X Buck)	13	Components
7	Horizontal & Vertical Cross Sections (Direct to Masonry)	14	Bill of Materials

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:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
4	7/25/23	UPDATE TO 8TH ED. (2023) FBC
3	7/22/20	UPDATE TO 7th ED (2020) FBC
2	4/06/19	ADD 5-1/2" LATCH/DB SPACING
1	7/14/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 8/02/16

SCALE: N.T.S.

DWG. BY: JK

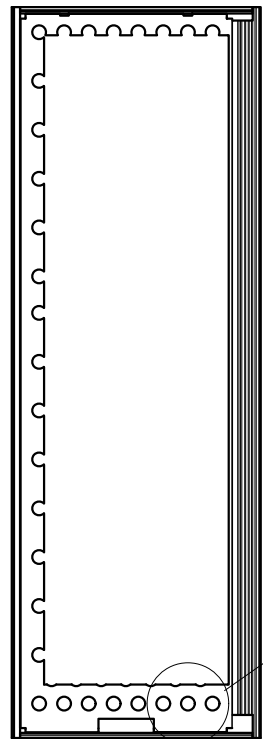
CHK. BY: LFS

DRAWING NO.:

FL-20470.12

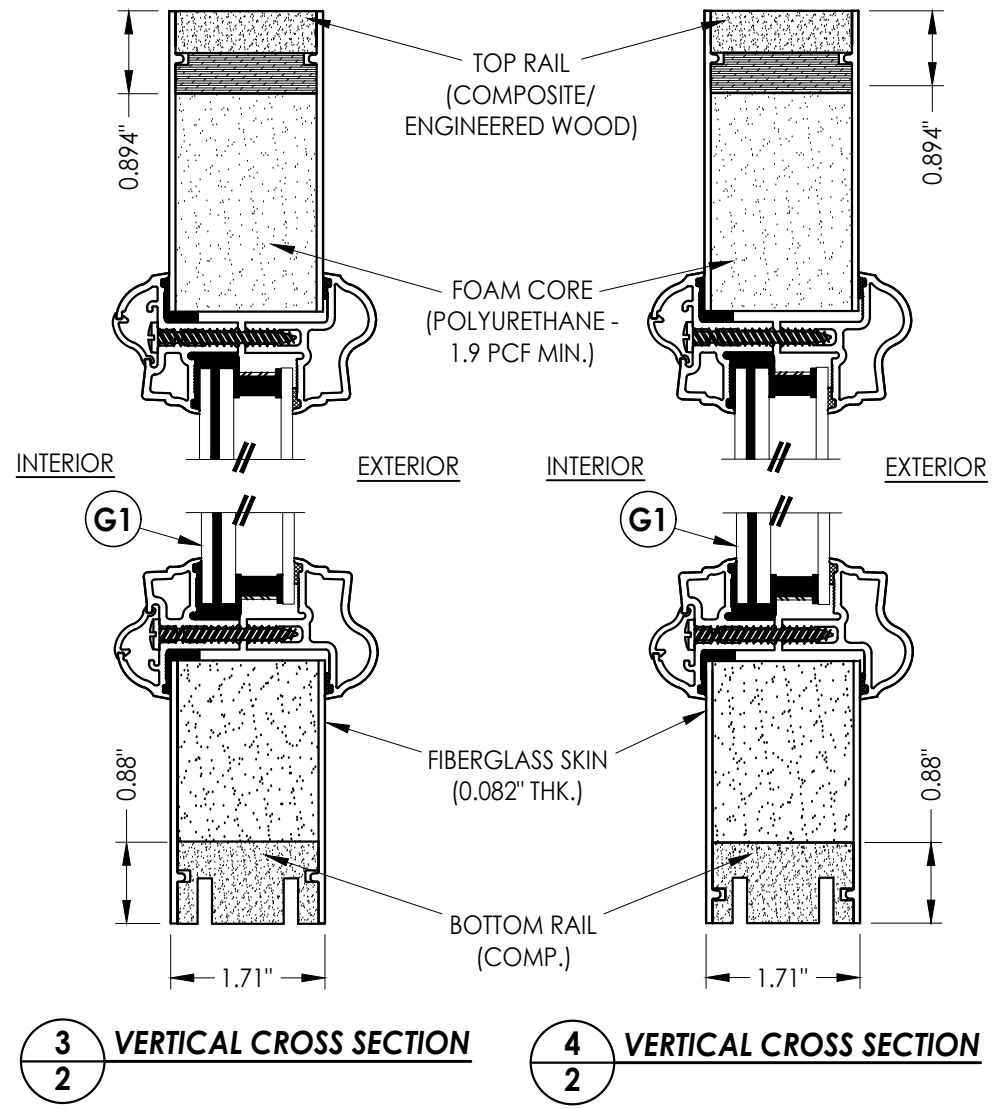
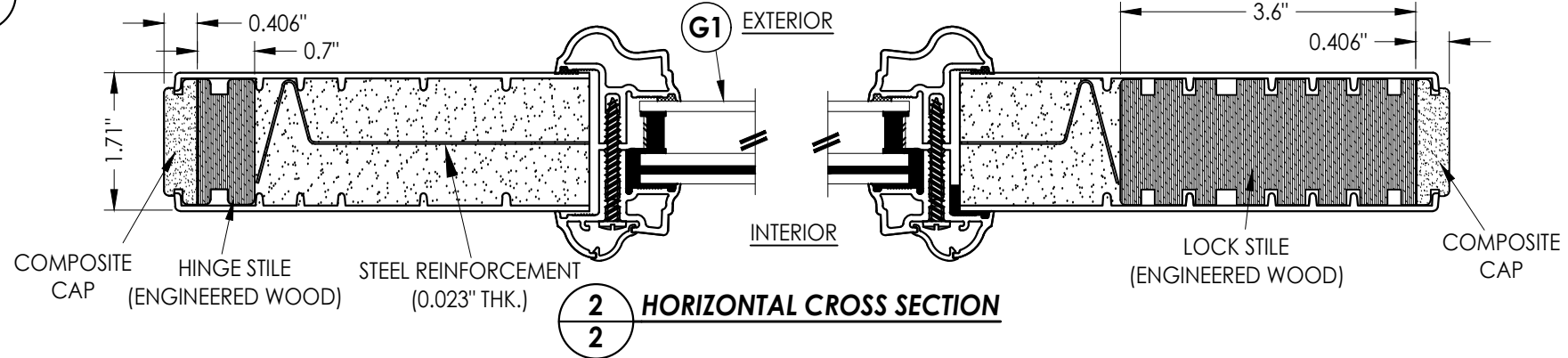
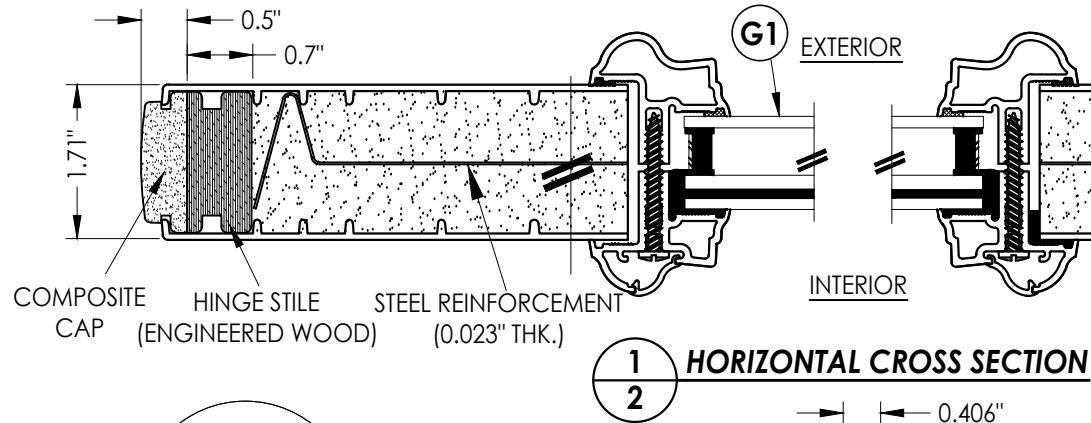
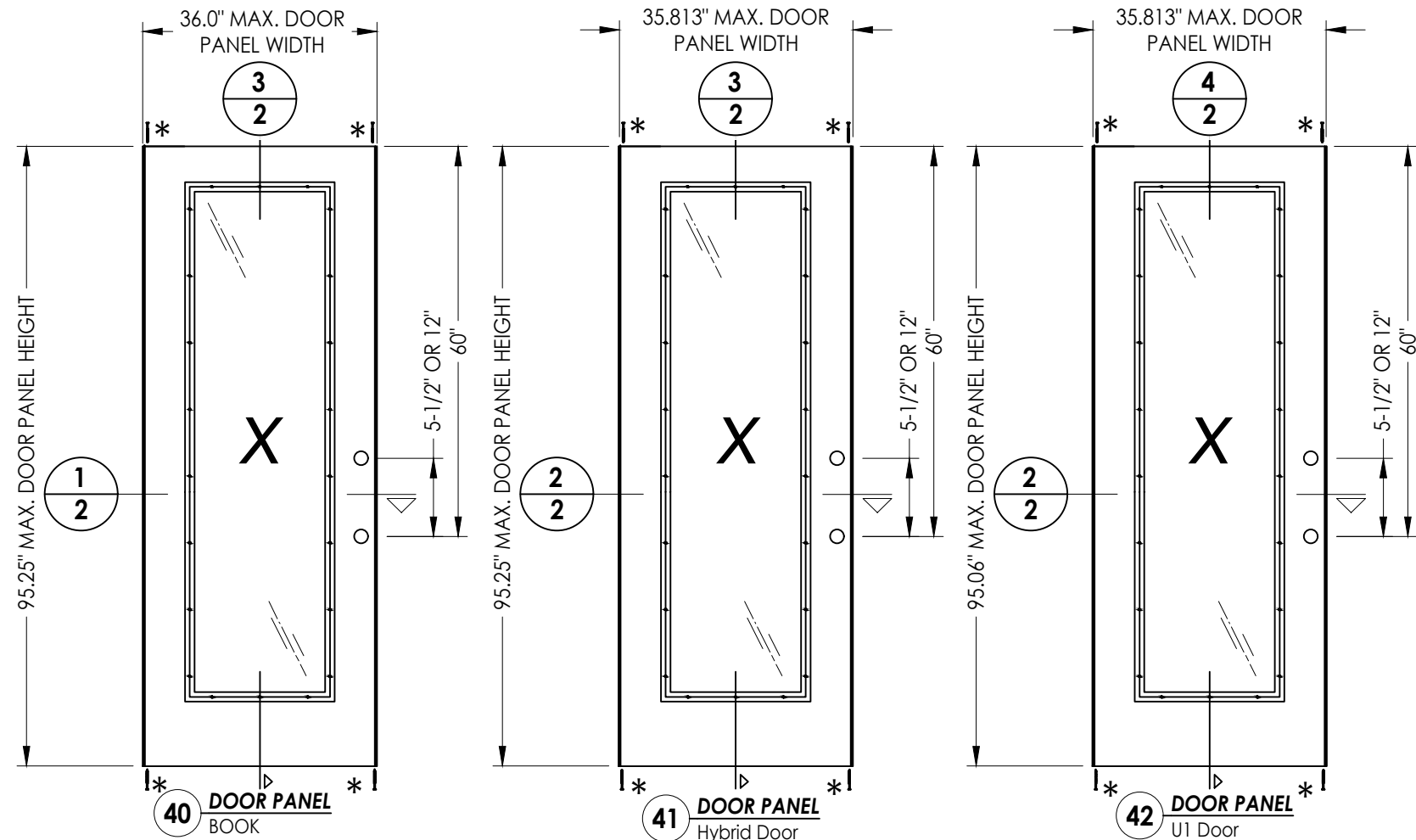
SHEET 1 OF 14

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DETAIL A-A
PANEL REINFORCEMENT
(0.023" Thick Steel)

* #8 X 2.5" PFH WS (TYP. @ EACH DOOR CORNER)



Documents Prepared By:
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P.E. No. 43409

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
4	7/25/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	7/22/20	UPDATE TO 7th ED (2020) FBC LFS
2	4/06/19	ADD 5-1/2\" LATCH/DB SPACING LFS
1	7/14/17	UPDATE TO 6TH ED. (2017) FBC JK

DATE: 08/02/16

SCALE: N.T.S.

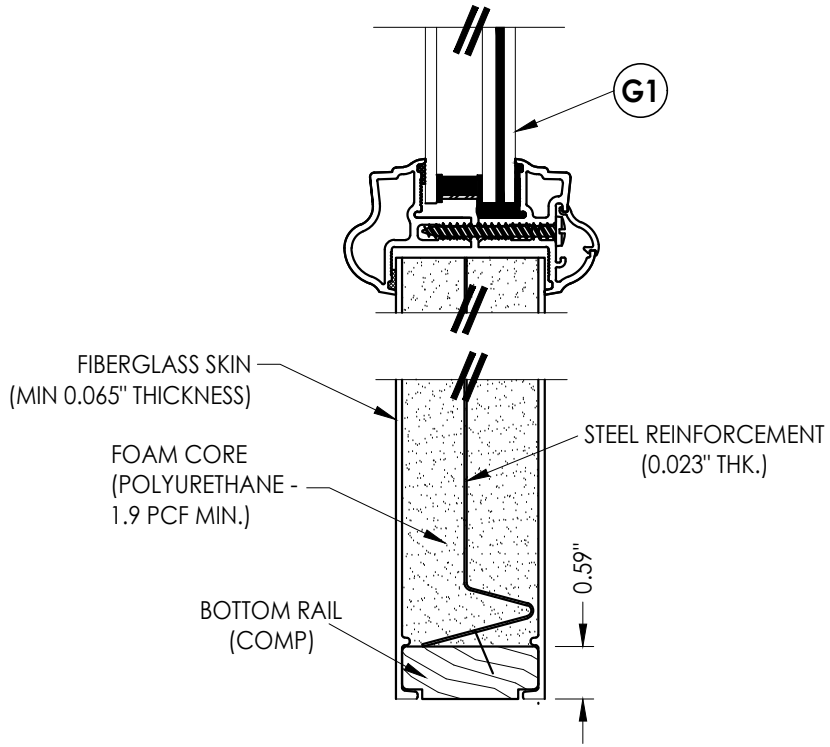
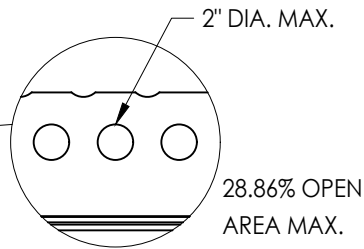
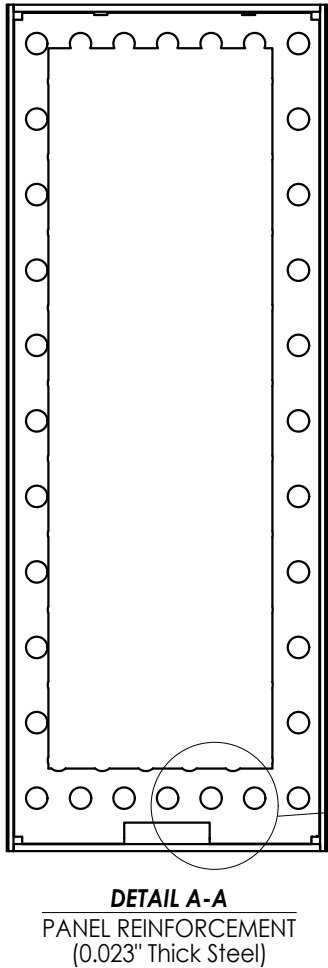
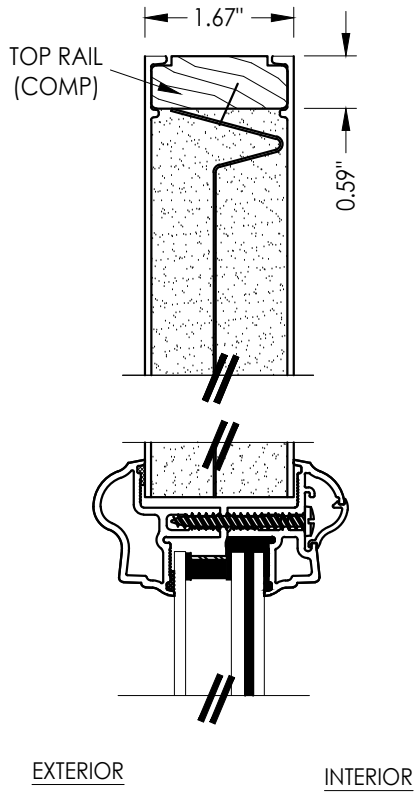
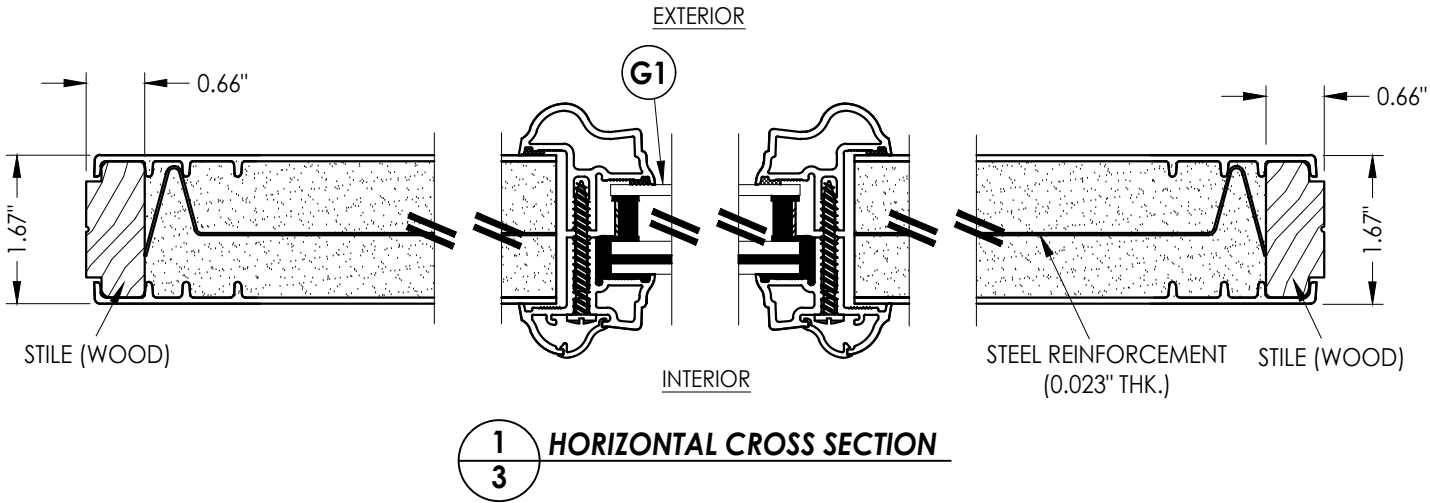
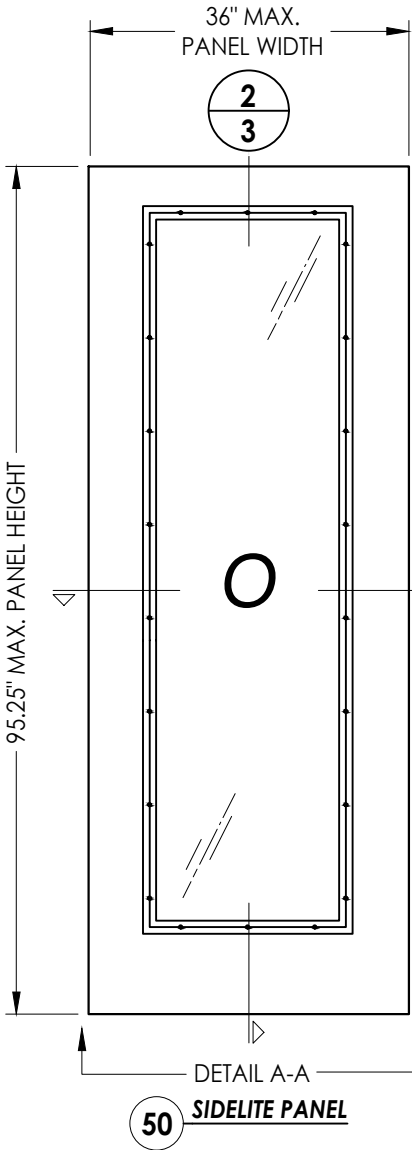
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20470.12

SHEET 2 OF 14

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



DATE:	08/02/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20470.12
SHEET	3 OF 14

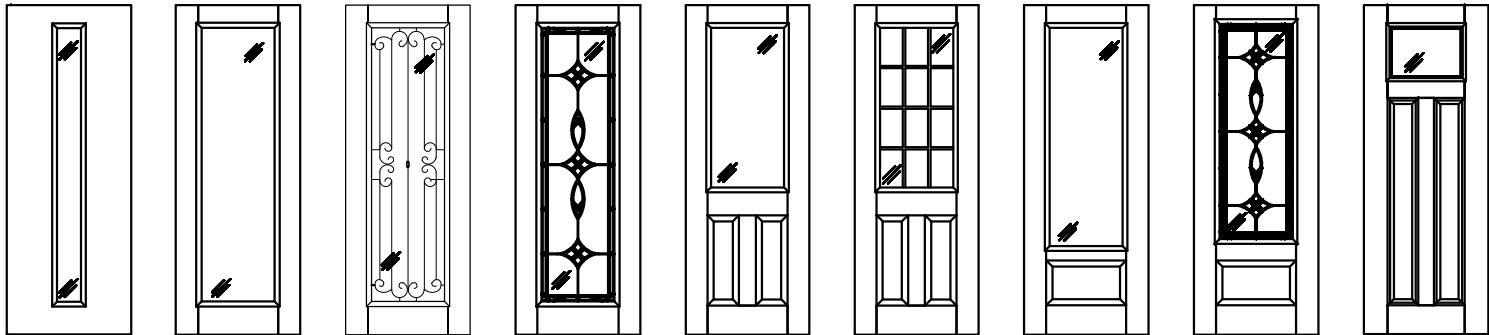
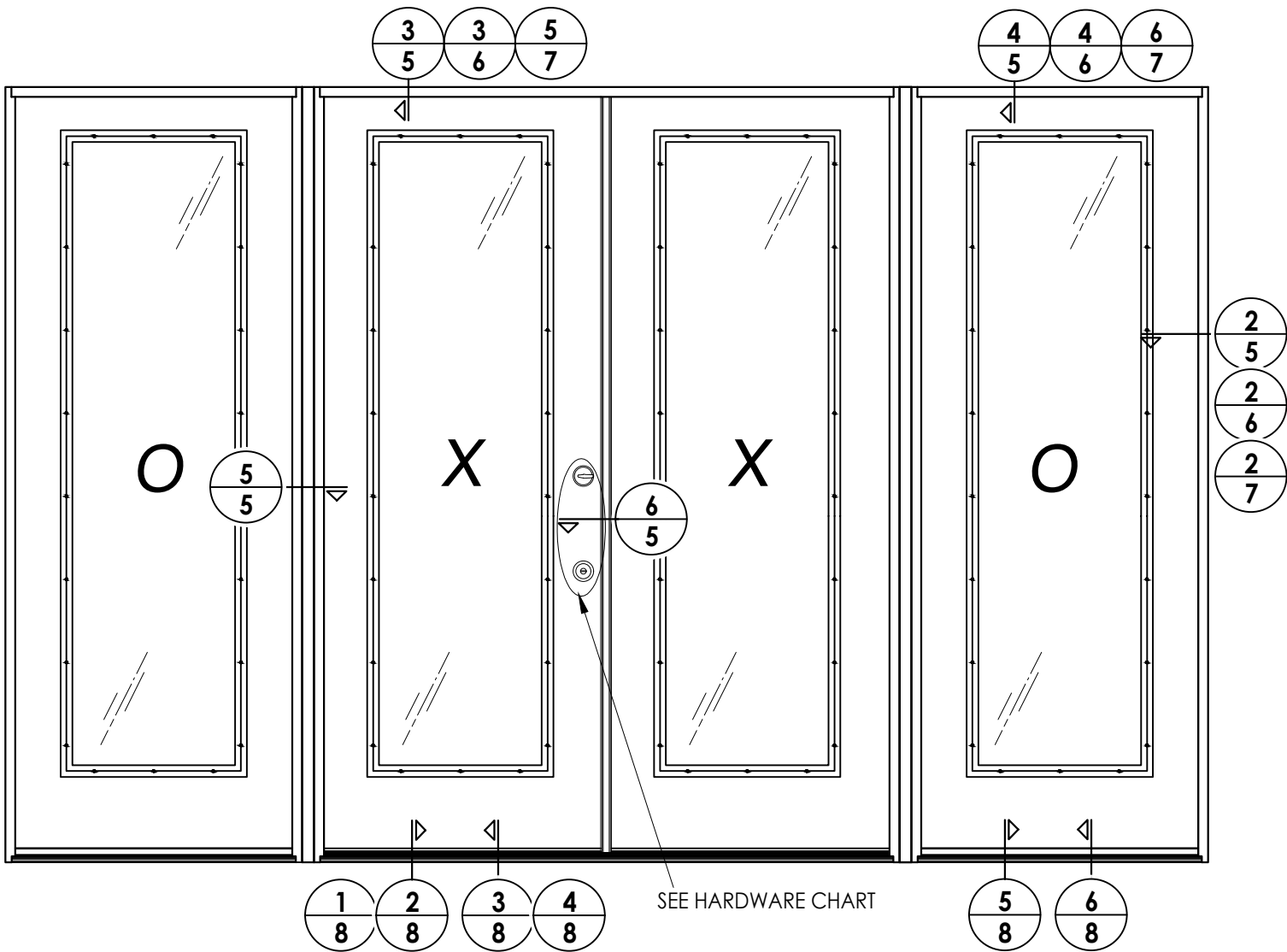
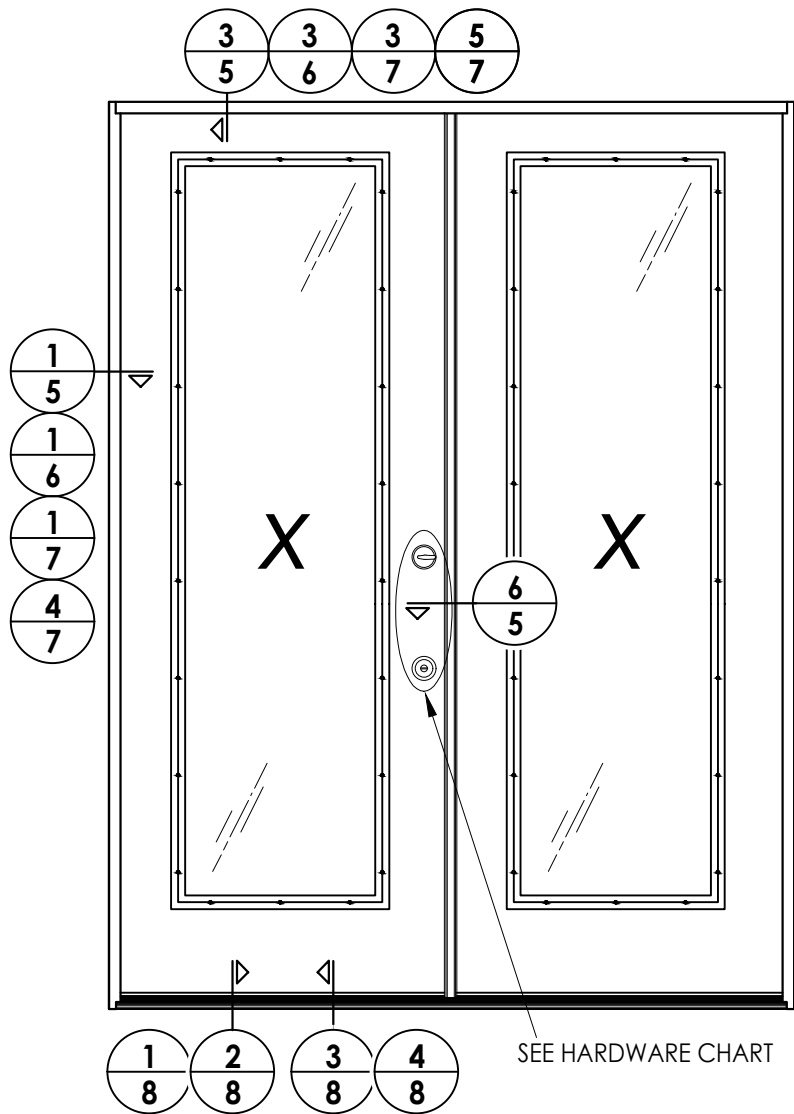
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	SIDELITE PANEL DETAILS

NO.	DATE	REVISIONS
4	7/25/23	UPDATE TO 8TH ED. (2023) FBC LFS
3	7/22/20	UPDATE TO 7th ED (2020) FBC LFS
2	4/06/19	ADD 5-1/2" LATCH/DB SPACING LFS
1	7/14/17	UPDATE TO 6TH ED. (2017) FBC JK
		BY

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

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Fiber-Classic/Smooth-Star Door Panel Options
Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

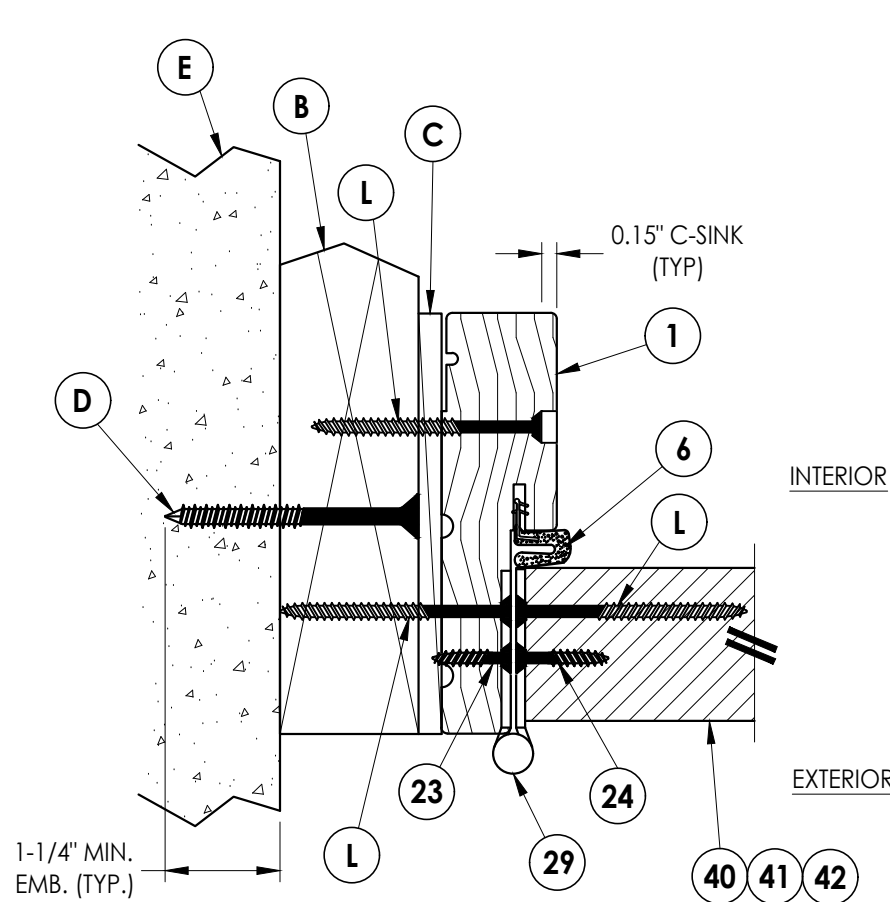
HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	Knob:	F51
	Deadbolt:	B60
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGSB	
	(3 pt. Manual Shootbolt)	

REVISIONS			
NO.	DATE	BY	
4	7/25/23	UPDATE TO 8TH ED. (2023)	FBC LFS
3	7/22/20	UPDATE TO 7th ED (2020)	FBC LFS
2	4/06/19	ADD 5-1/2" LATCH/DB SPACING	LFS
1	7/14/17	UPDATE TO 6TH ED. (2017)	FBC JK
DATE: 08/02/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20470.12			
SHEET 4 OF 14			

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
	PART OR ASSEMBLY: ELEVATIONS

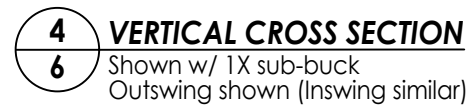
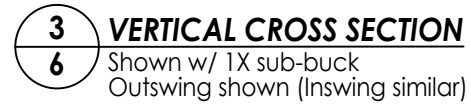
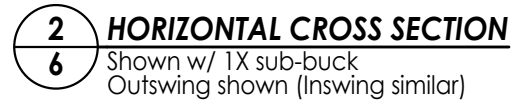
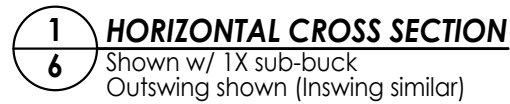
Documents Prepared By:
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Phone No.: 813.659.9197
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1 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)

1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).

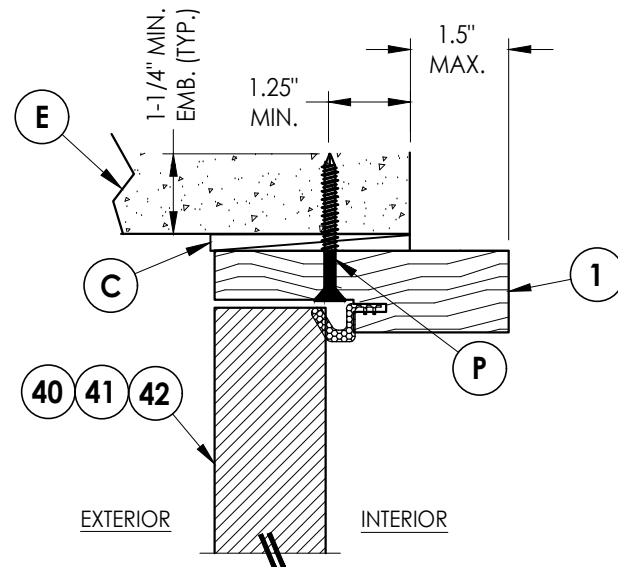
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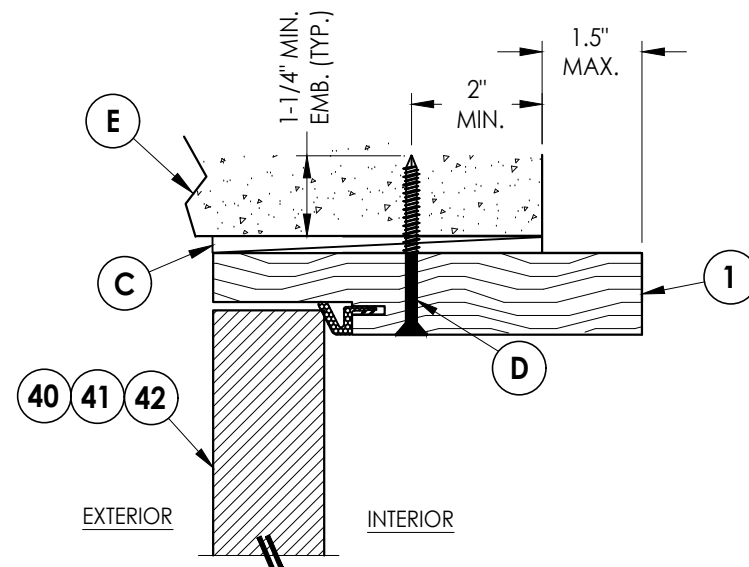
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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

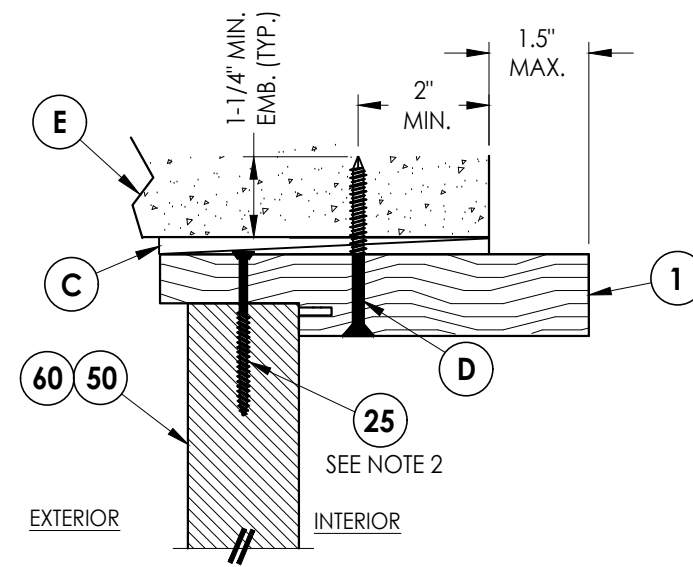
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3 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 4-9/16" jamb
 Double Door Only (N/A w/ Sidelites)



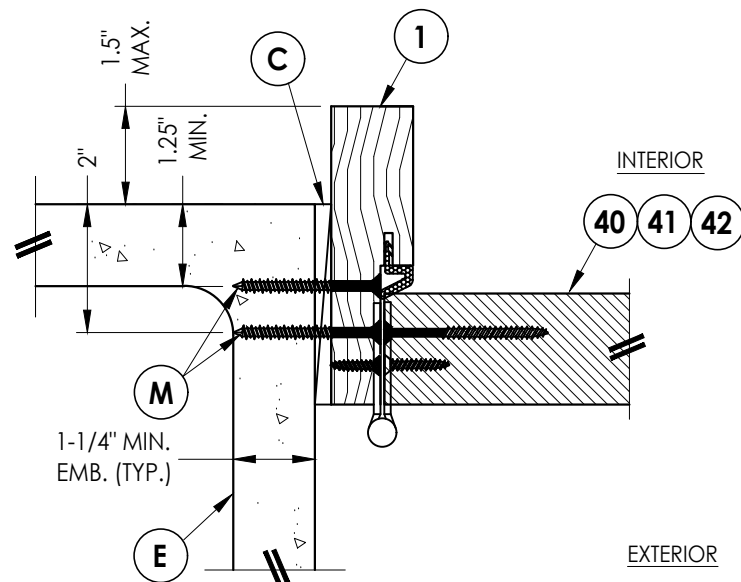
5 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



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

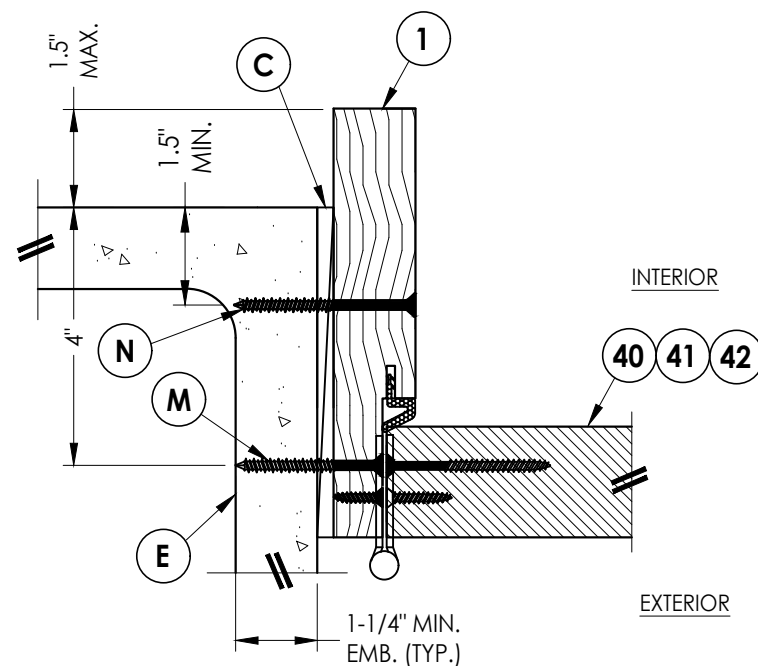
Notes:

1. Sidelite assembly screws located 6" from each end plus 6 more equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).



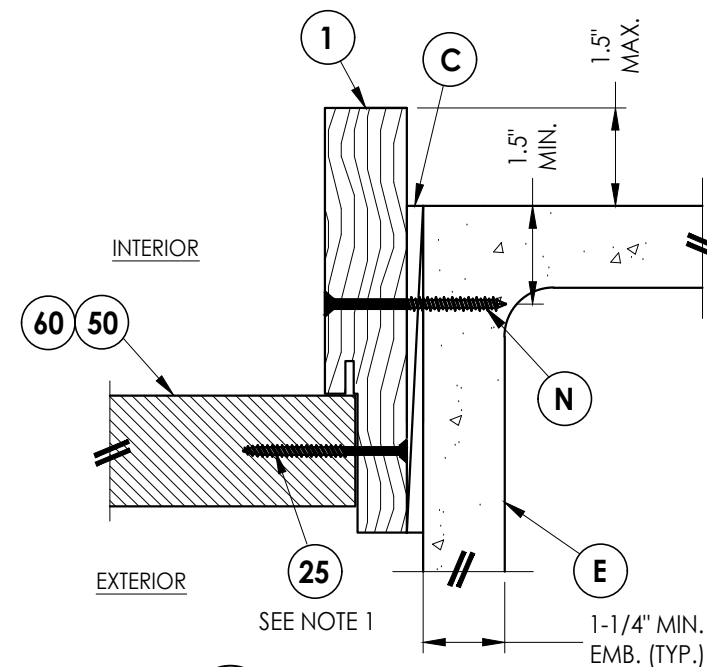
1 7 **HORIZONTAL CROSS SECTION**

Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



4 7 **HORIZONTAL CROSS SECTION**

Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



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

DATE: 8/02/16		PRODUCT: THERMA-TRU FIBERGLASS DOOR	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20470.12			
SHEET 7 OF 14			
4	7/25/23	UPDATE TO 8TH ED. (2023)	FBC
3	7/22/20	UPDATE TO 7th ED (2020)	FBC
2	4/06/19	ADD 5-1/2" LATCH/DB SPACING	LFS
1	7/14/17	UPDATE TO 6TH ED. (2017)	JK
NO.	DATE		BY
		REVISIONS	

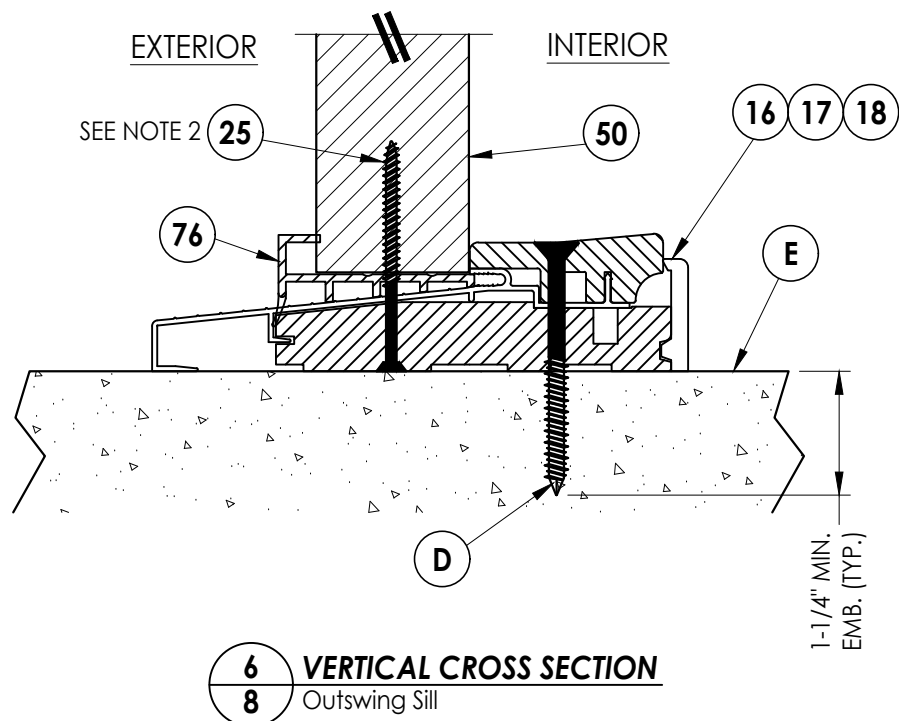
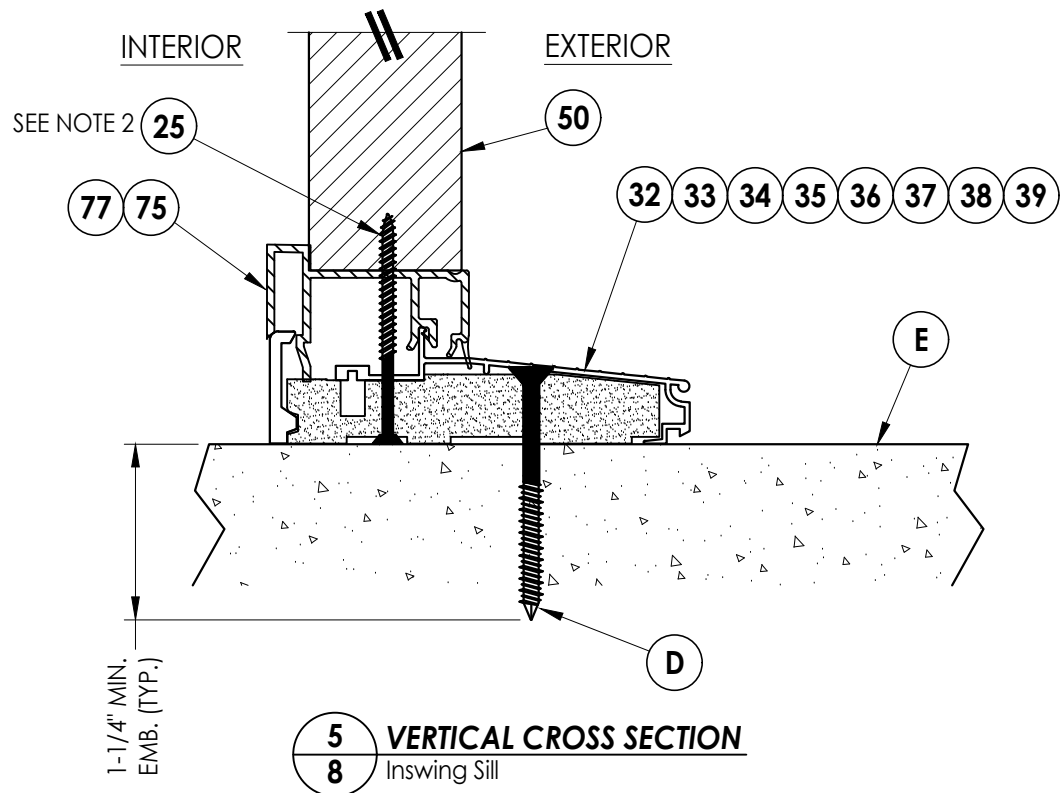
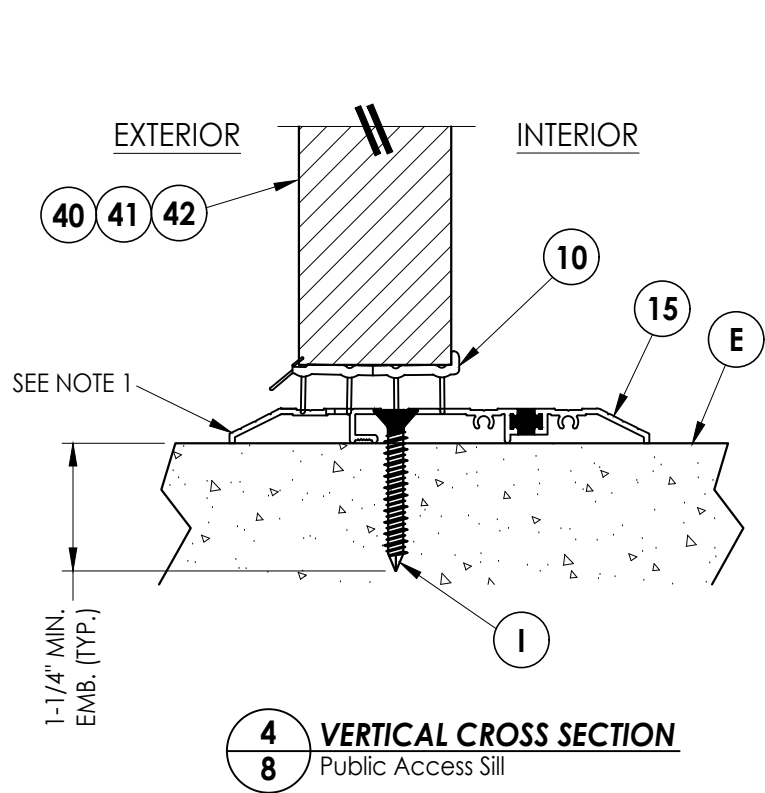
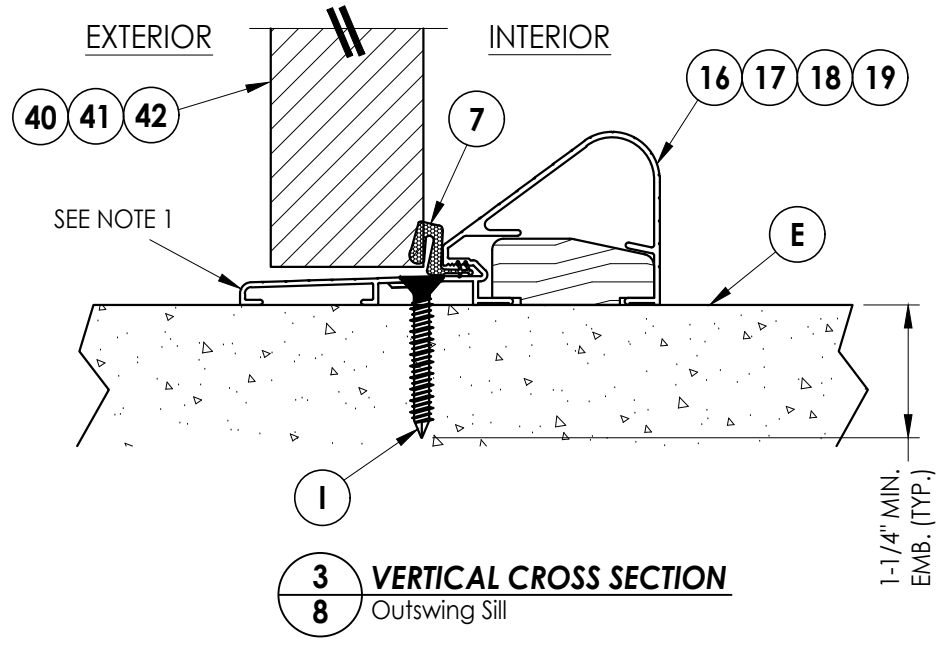
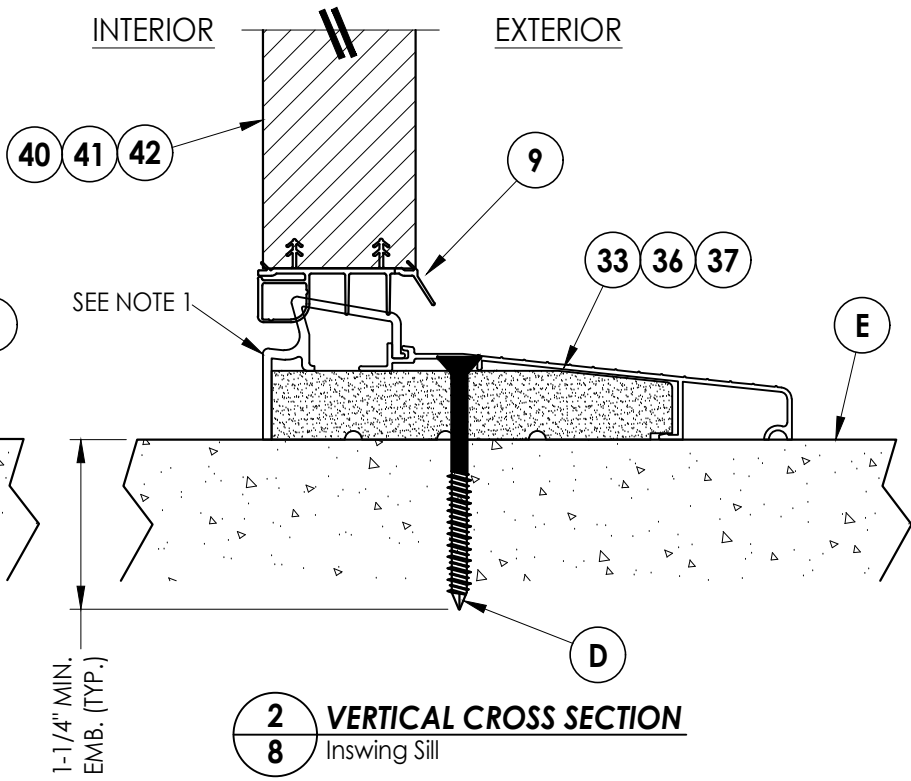
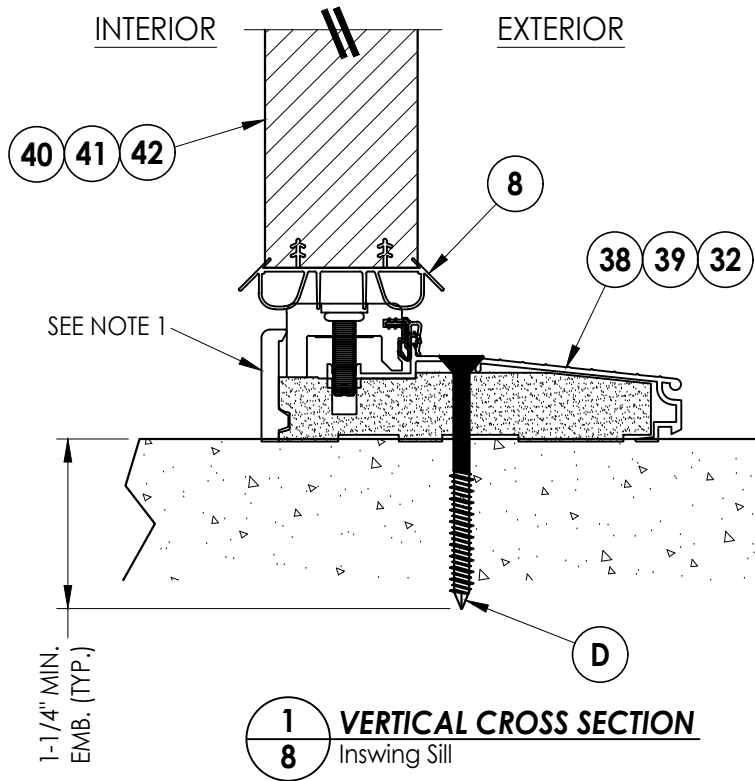
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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- Notes:
1. Sill Item #'s 16, 32, 33, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 17, 18 & 19 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along sill).



Documents Prepared By:
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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)

NO.	DATE	REVISIONS		
		BY	JK	LFS
4	7/25/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
3	7/22/20	UPDATE TO 7th ED. (2020)	FBC	LFS
2	4/06/19	ADD 5-1/2" LATCH/DB SPACING	LFS	LFS
1	7/14/17	UPDATE TO 6TH ED. (2017)	FBC	JK

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20470.12

SHEET 8 OF 14

Architectural drawing of a window or door assembly. The drawing includes a cross-section on the left and an elevation on the right.

Cross-section (Left):

- Shows the frame, head, and jamb.
- Label: **HEAD & JAMBS (TYP.)**
- Dimension: **4" (TYP.)** (indicated by a vertical dimension line).

Elevation (Right):

- Shows the frame with mullions and astragals.
- Labels: **CL MULLION** and **CL ASTRAGAL**.
- Dimensions:
 - 4" (TYP.)** (indicated by a horizontal dimension line for mullion and astragal spacing).
 - 8" (TYP.)** (indicated by a horizontal dimension line for head and jamb spacing).
 - 18.5" MAX. O.C. (TYP.)** (indicated by a vertical dimension line for the frame spacing).

OXXO

2X BUCK ANCHORING

4	7/25/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	7/22/20	UPDATE TO 7th ED (2020)	FBC	LFS	
2	4/06/19	ADD 5-1/2" LATCH/DB SPACING		LFS	
1	7/14/17	UPDATE TO 6TH ED. (2017)	FBC	JK	
NO.	DATE			BY	
					REVISIONS
DATE: 08/02/16					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-20470.12					
SHEET 9 OF 14					

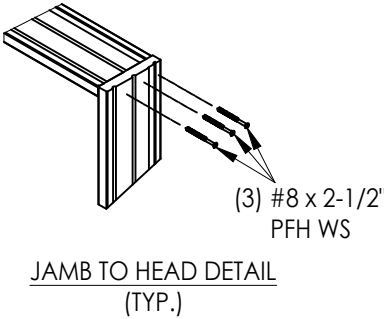
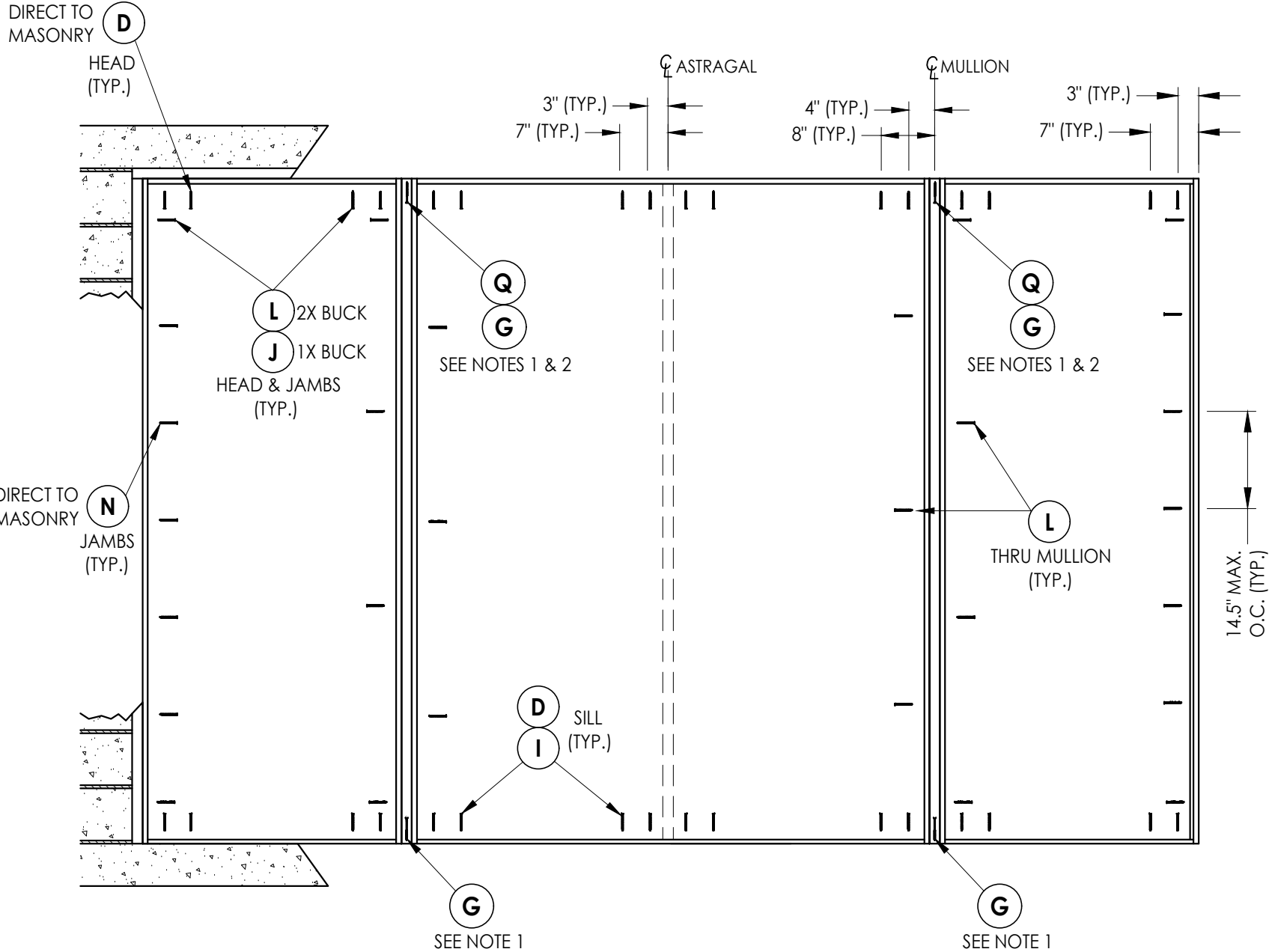
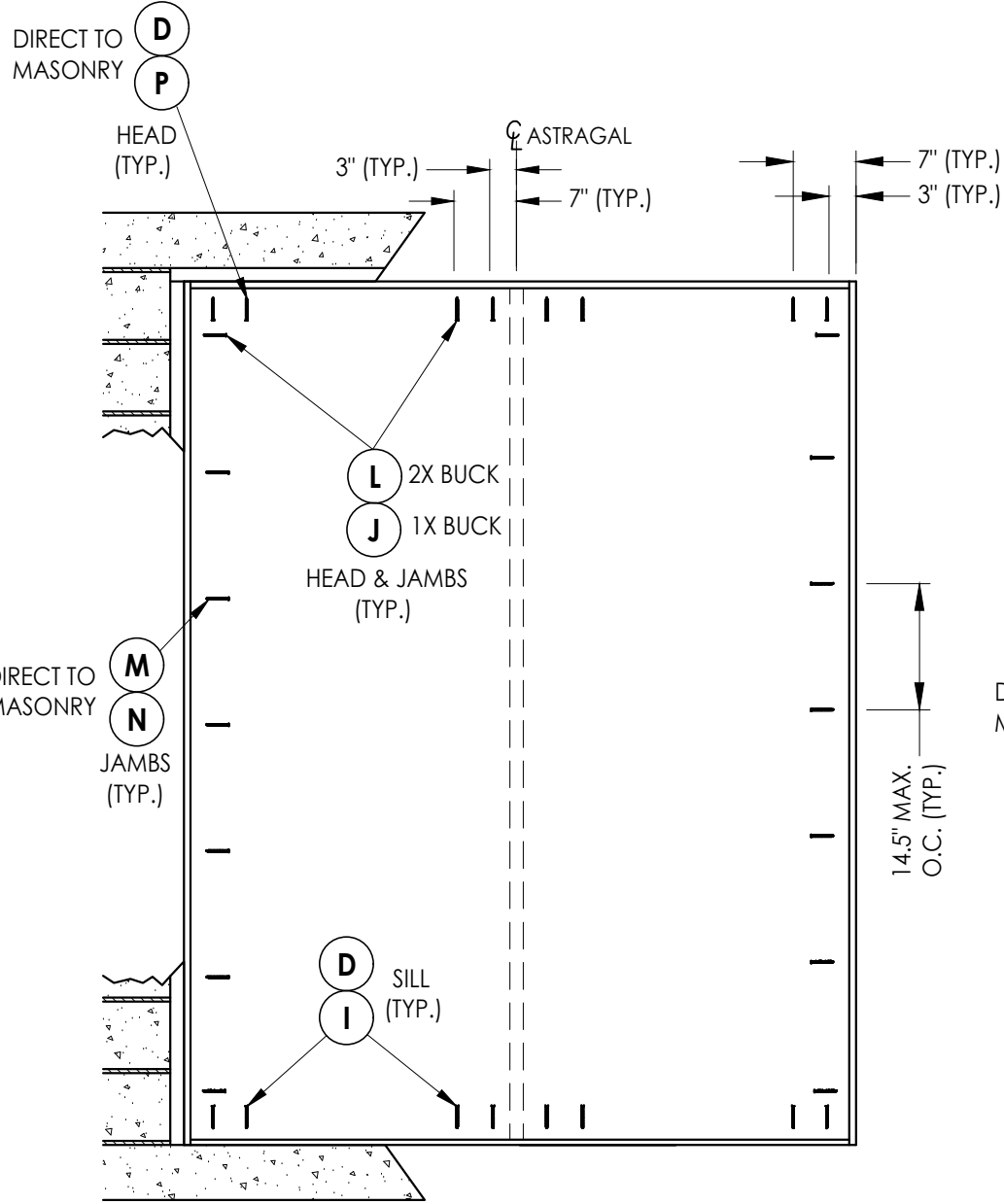
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY: BUCK ANCHORING

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

R²W BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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- NOTES:
- 3/16" x 3-1/4" ITW concrete screw toe-nailed through mullion into masonry (each face).
 - #10 X 3" wood screw toe-nailed through mullion into 2X Buck (each face).

FRAME ANCHORING

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
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CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
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SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
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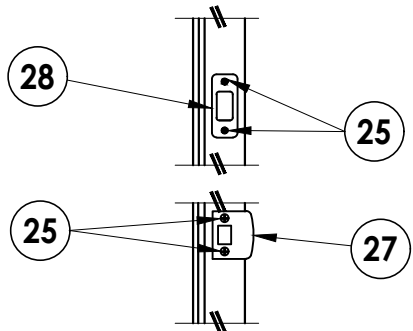
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CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/16		4		7/25/23		LFS	
SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

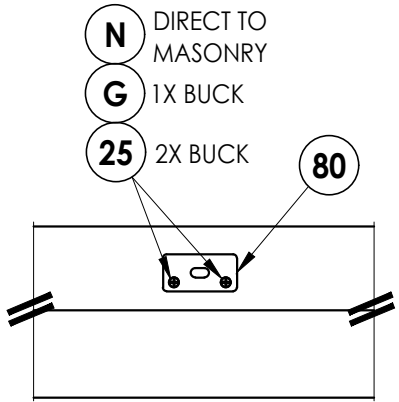
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SCALE: N.T.S.		3		7/22/20		FBC	
DWG. BY: JK		2		4/06/19		FBC	
CHK. BY: LFS		1		7/14/17		FBC	
DRAWING NO.: FL-20470.12		1		7/14/17		FBC	
SHEET 10 OF 14		1		7/14/17		FBC	

DATE		NO.		DATE		BY	
08/02/1							

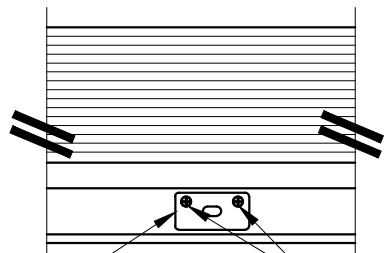
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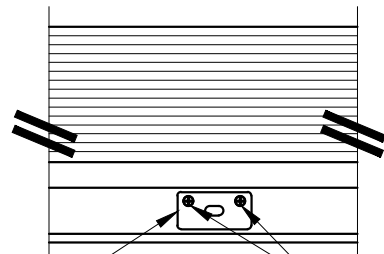
LATCH & DEADBOLT DETAIL
Schlage / Kwikset



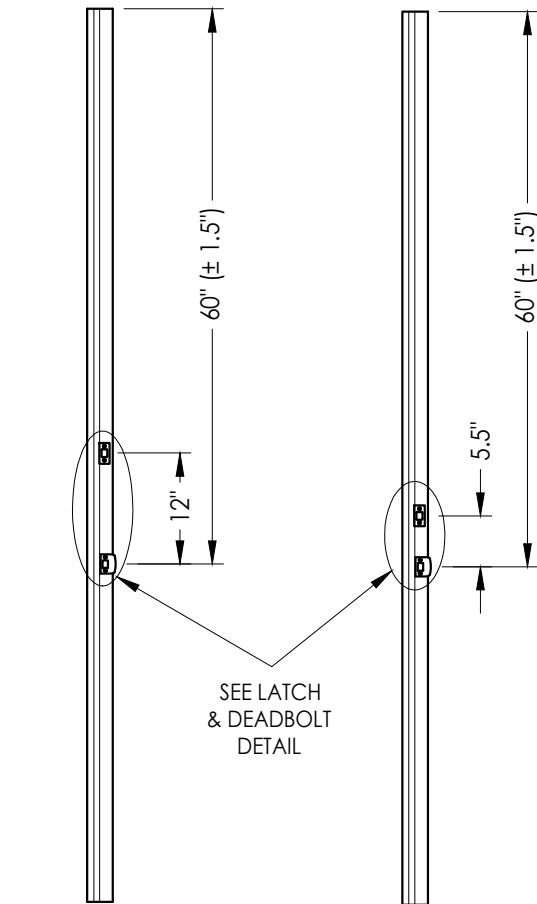
DETAIL 1
Astragal Strike Plate @ Head



DETAIL 2
Inswing
Coastal Astragal Strike Plate @ Sill

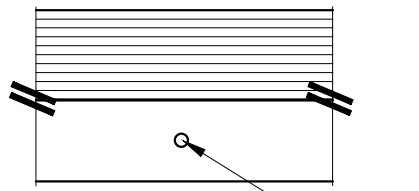


DETAIL 2
Inswing
Coastal Astragal Strike Plate @ Sill

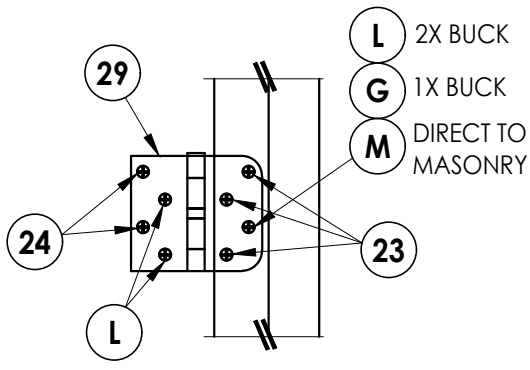


ASTRAGAL
Latch & Deadbolt
(12" o.c. spacing)

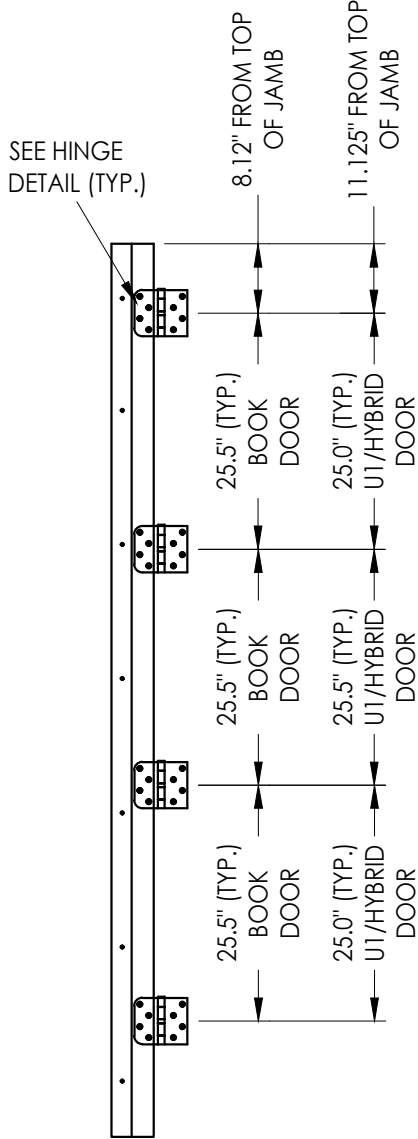
ASTRAGAL
Latch & Deadbolt
(5-1/2" o.c. spacing)



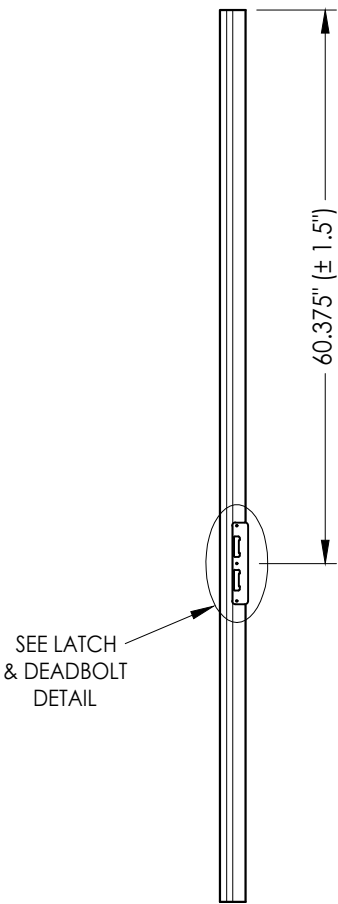
DETAIL 2
Outswing
Astragal Bolt Hole @ Sill



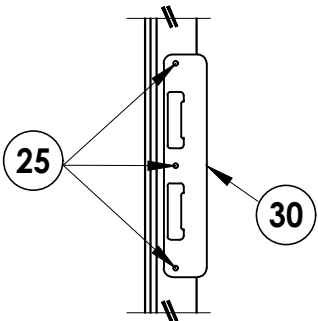
HINGE DETAIL



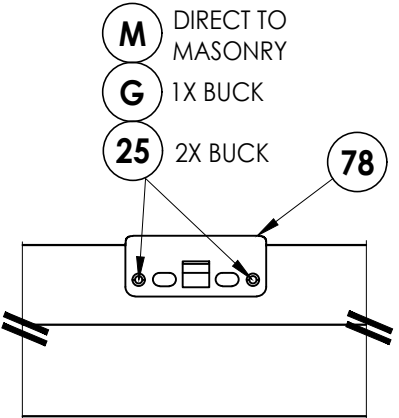
HINGE JAMB



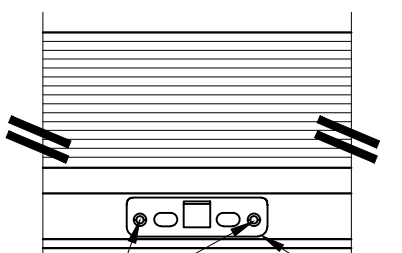
ASTRAGAL
Multipoint Lock



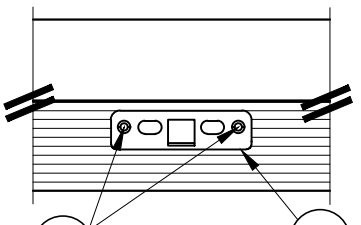
LATCH & DEADBOLT DETAIL
Multipoint Lock



DETAIL 1
Multipoint Lock Strike Plate @ Head



DETAIL 2
Inswing
Multipoint Lock Strike Plate @ Sill

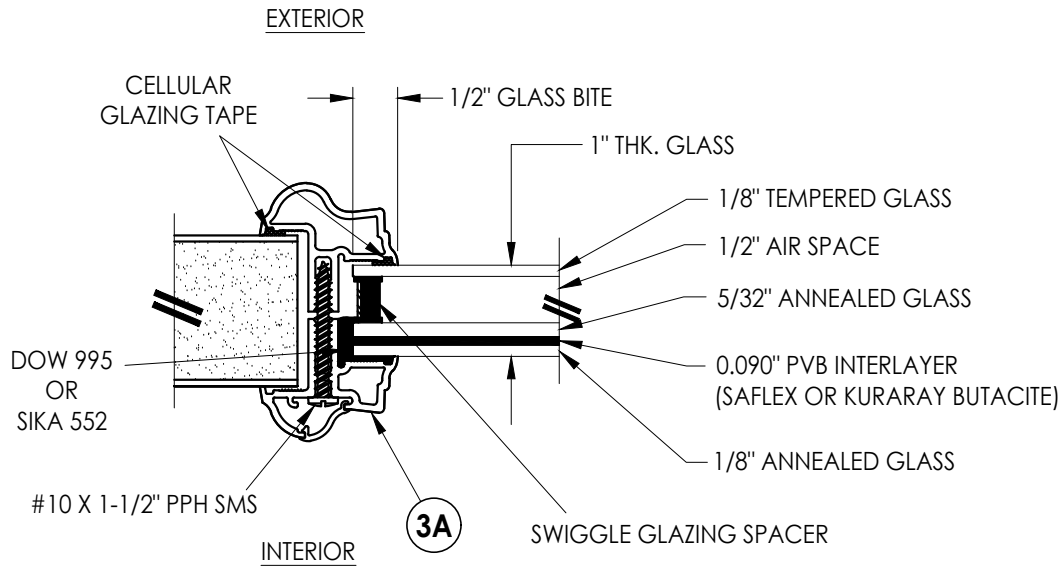


DETAIL 2
Outswing
Multipoint Lock Strike Plate @ Sill

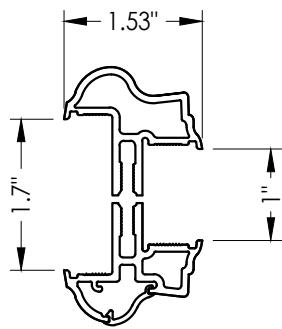
MULTIPOINT LOCK STRIKE DETAILS

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	
4	7/25/23	UPDATE TO 8TH ED. (2023)	FBC LFS
3	7/22/20	UPDATE TO 7th ED (2020)	FBC LFS
2	4/06/19	ADD 5-1/2" LATCH/DB SPACING	LFS JK
1	7/14/17	UPDATE TO 6TH ED. (2017)	FBC JK
	NO.	DATE	BY
REVISIONS			
DATE: 08/02/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20470.12			
SHEET 11 OF 14			

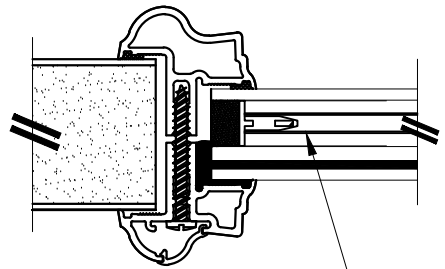
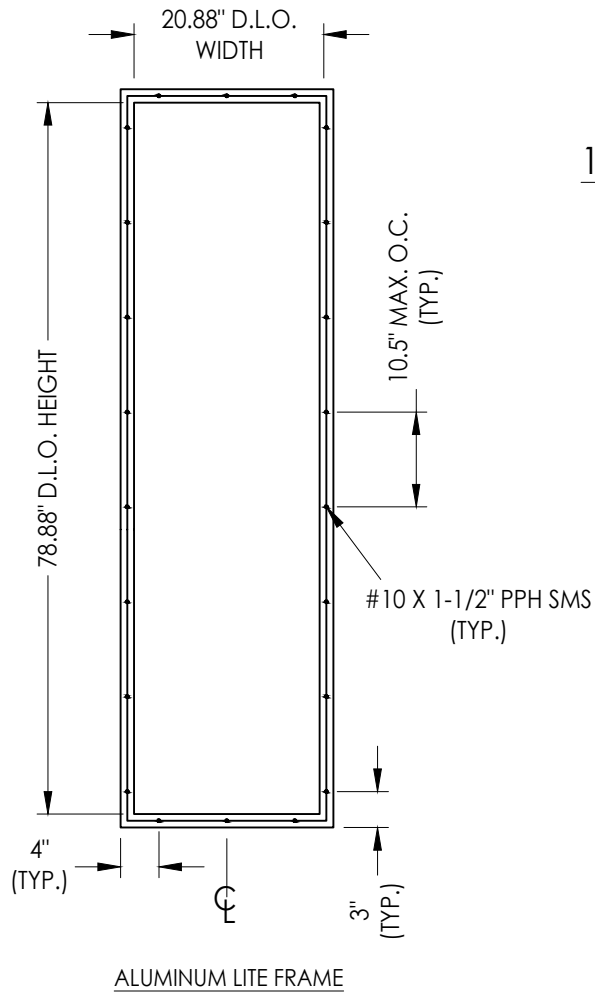
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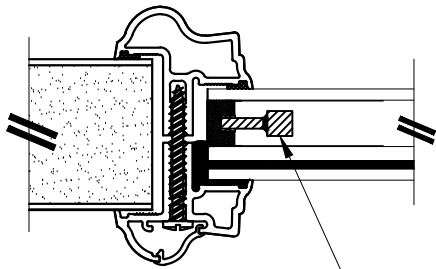
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



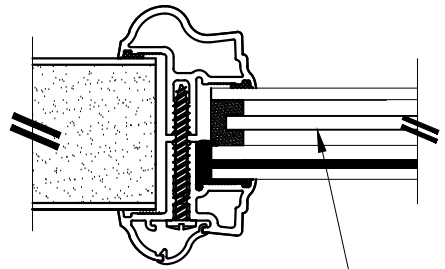
3A ALUMINUM FRAME
Aluminum Impact Lite Frame
Door Panels & Sidelites



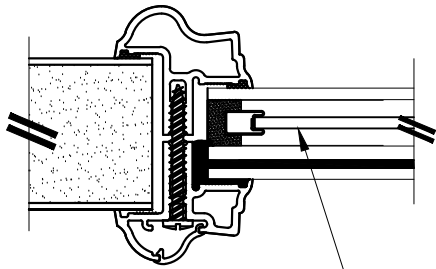
INTERNAL GRID (GBG)



WROUGHT IRON INSERT



PRIVACY INSERT



DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS

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:

GLAZING DETAILS

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
4	7/25/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	7/22/20	UPDATE TO 7th ED (2020)	FBC	LFS	
2	4/06/19	ADD 5-1/2" LATCH/DB SPACING	LFS		
1	7/14/17	UPDATE TO 6TH ED. (2017)	FBC	JK	

DATE: 8/02/16

SCALE: N.T.S.

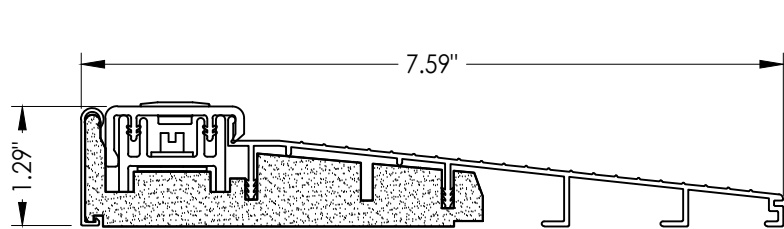
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CHK. BY: LFS

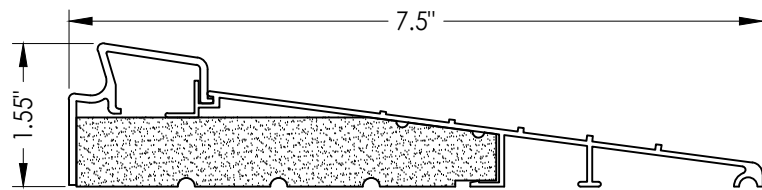
DRAWING NO.:
FL-20470.12

SHEET 12 OF 14

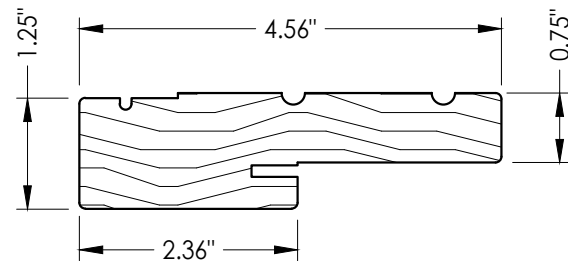
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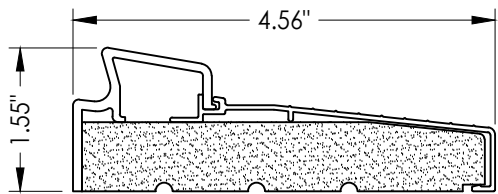
32 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill 7-1/2"



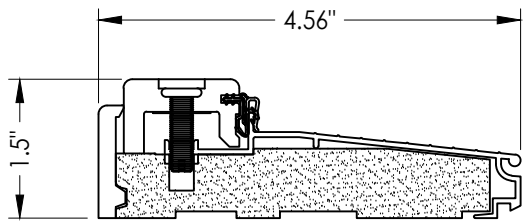
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



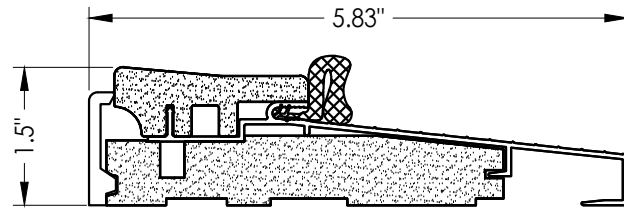
1 WOOD JAMB



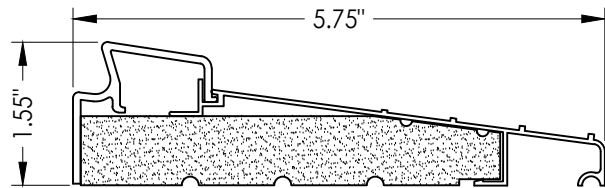
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



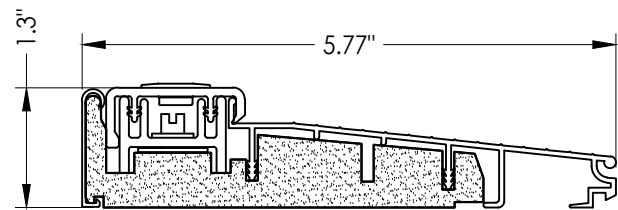
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



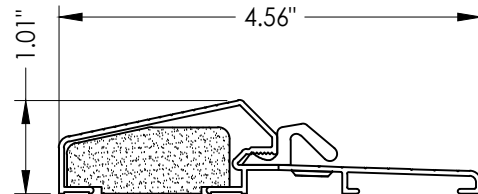
16 OUTSWING THRESHOLD
Composite Sill



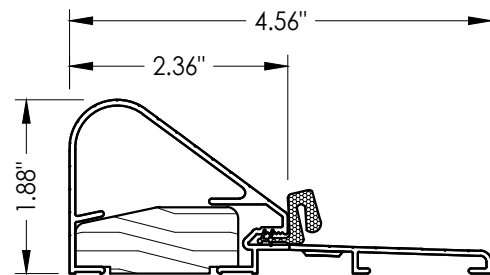
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



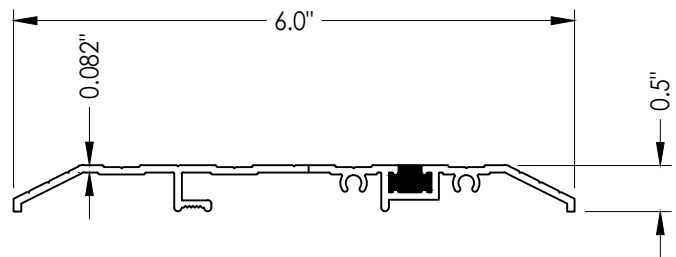
39 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill



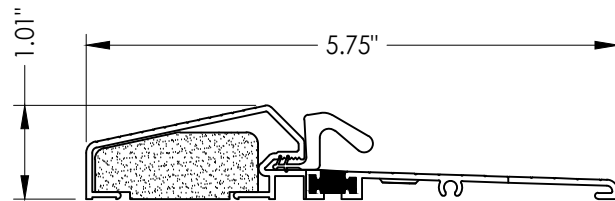
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



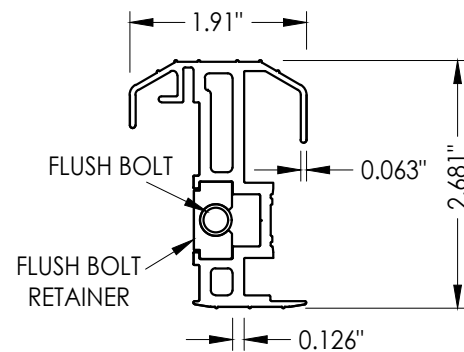
19 COASTAL OUTSWING THRESHOLD
Wood / Aluminum Sill



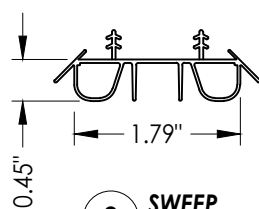
15 PUBLIC ACCESS THRESHOLD



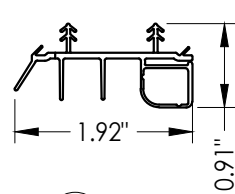
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



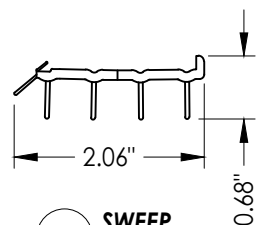
20 COASTAL ALUMINUM ASTRAGAL



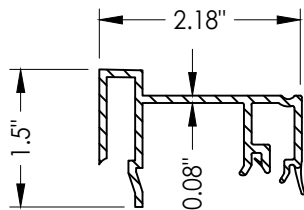
8 SWEEP



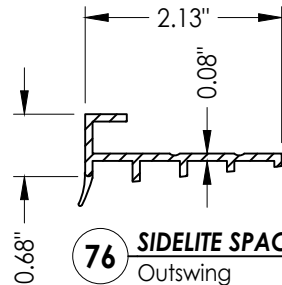
9 SWEEP



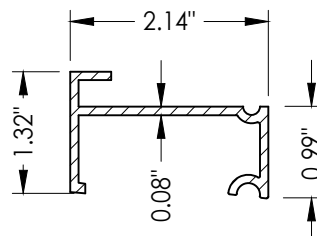
10 SWEEP



75 SIDELITE SPACER
Inswing



76 SIDELITE SPACER
Outswing



77 SIDELITE SPACER
Inswing
Moderate Climate Threshold

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			
		DATE	BY	JK	LFS
4	7/25/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
3	7/22/20	UPDATE TO 7th ED (2020)	FBC	LFS	
2	4/06/19	ADD 5-1/2" LATCH/DB SPACING	LFS		
1	7/14/17	UPDATE TO 6TH ED. (2017)	FBC		

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20470.12

SHEET 13 OF 14

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	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	29	4" X 4" HINGE	STEEL
			32	INSWING THRESHOLD	ALUM/COMP
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	33	INSWING THRESHOLD	ALUM/COMP
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	36	INSWING THRESHOLD	ALUM/COMP
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	37	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	38	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	39	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	40	DOOR PANEL (BOOK)	-
P	1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW	STEEL	41	DOOR PANEL (HYBRID)	-
Q	#10 x 3" PFH WOOD SCREW	STEEL	42	DOOR PANEL (U1)	-
1	JAMB (FINGER JOINT PINE)	WOOD	50	SIDELITE (FULL LITE)	-
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	75	SIDELITE SPACER (INSWING)	PVC
7	WEATHERSTRIP (LONG REACH)	FOAM	76	SIDELITE SPACER (OUTSWING)	PVC
8	SWEEP	VINYL	77	SIDELITE SPACER (INSWING) - MODERATE CLIMATE SILL	PVC
9	SWEEP (USE W/ MODERATE CLIMATE THRESHOLD)	VINYL	78	MULTIPOINT LOCK STRIKE PLATE @ HEAD	STEEL
10	SWEEP (USE W/ PUBLIC ACCESS THRESHOLD)	VINYL	79	MULTIPOINT LOCK STRIKE PLATE @ SILL	STEEL
11	#10 X 1-3/4" PFH WOOD SCREW	STEEL	80	ASTRAGAL STRIKE PLATE	STEEL
15	PUBLIC ACCESS THRESHOLD	ALUM	88	2X MULLION (SG >= 0.55)	WOOD
16	OUTSWING THRESHOLD	ALUM/COMP	CONCRETE ANCHOR NOTES: 1. Concrete anchor locations at the corners may be adjusted.		
17	OUTSWING THRESHOLD	ALUM/COMP			
18	OUTSWING THRESHOLD	ALUM/COMP			
19	COASTAL OUTSWING THRESHOLD	ALUM/WOOD			
20	COASTAL ALUMINUM ASTRAGAL	ALUM			
23	#10 x 3/4" PFH WOOD SCREW	STEEL			
24	#10 x 1" PFH WOOD SCREW	STEEL			

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 ULTRA CON+®	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.

DATE: 08/02/16		THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: BILL OF MATERIALS		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-20470.12					
SHEET 14 OF 14					