

THERMA-TRU®
DOORS

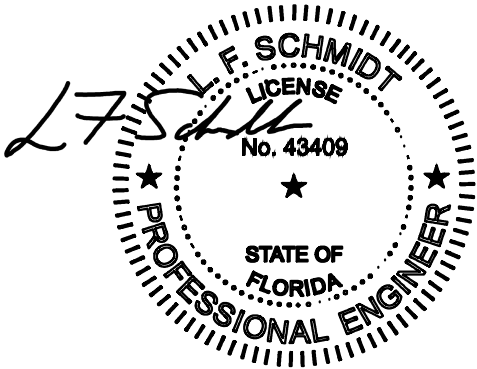
Fiber-Classic® & Smooth-Star®

COMPOSITE EDGE
GLAZED FIBERGLASS DOUBLE DOOR
w/ or w/out SIDELITES
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.

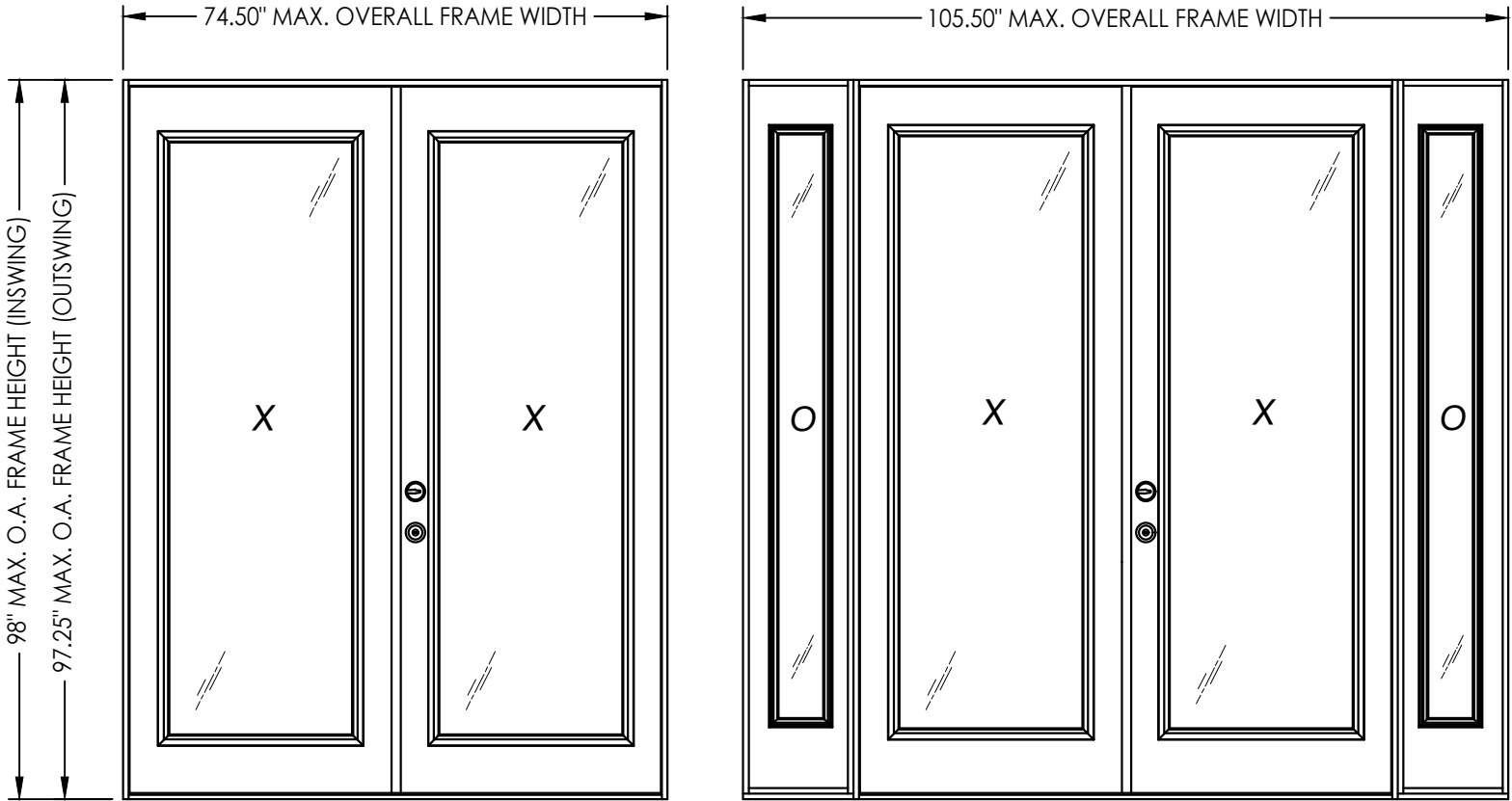
TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes	9	Horizontal & Vertical Cross Sections (Direct to Masonry)
2	Door Panel Details	10	Vertical Cross Sections (Thresholds)
3	Door Panel Details	11	Buck Anchoring
4	Door Panel Details	12	Frame Anchoring
5	Sidelite Panel Details	13	Hardware Details
6	Elevations	14	Glazing details
7	Horizontal & Vertical Cross Sections (2X Buck)	15	Components
8	Horizontal & Vertical Cross Sections (1X Buck)	16	Bill of Materials



Digitally signed by Lyndon F Schmidt
Date: 2023.07.19 15:20:28 -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	ASTRAGAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	STANDARD	+35.0	-40.0	+35.0	-35.0
XX, OXXO	COASTAL	+47.0	-47.0	+47.0	-47.0

See Sheet 6 for Hardware Specifications

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

67/19/23UPDATE TO 8TH ED. (2023) FBC

57/21/20UPDATE TO 7th ED (2020) FBC

410/09/18REV. DOOR PANEL OPTION NOTE

311/15/17RECESSED PANEL NOTATION

210/15/17ADD DEADBOLT 5-1/2" O. C.

17/7/17UPDATE TO 6th ED (2017) FBC

NO. DATE

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-20461.16

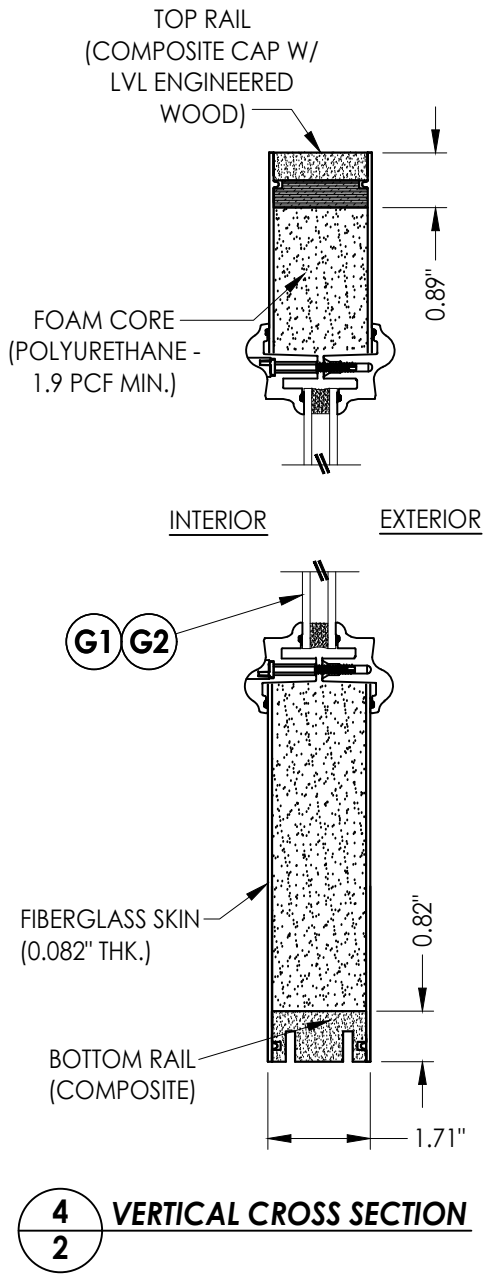
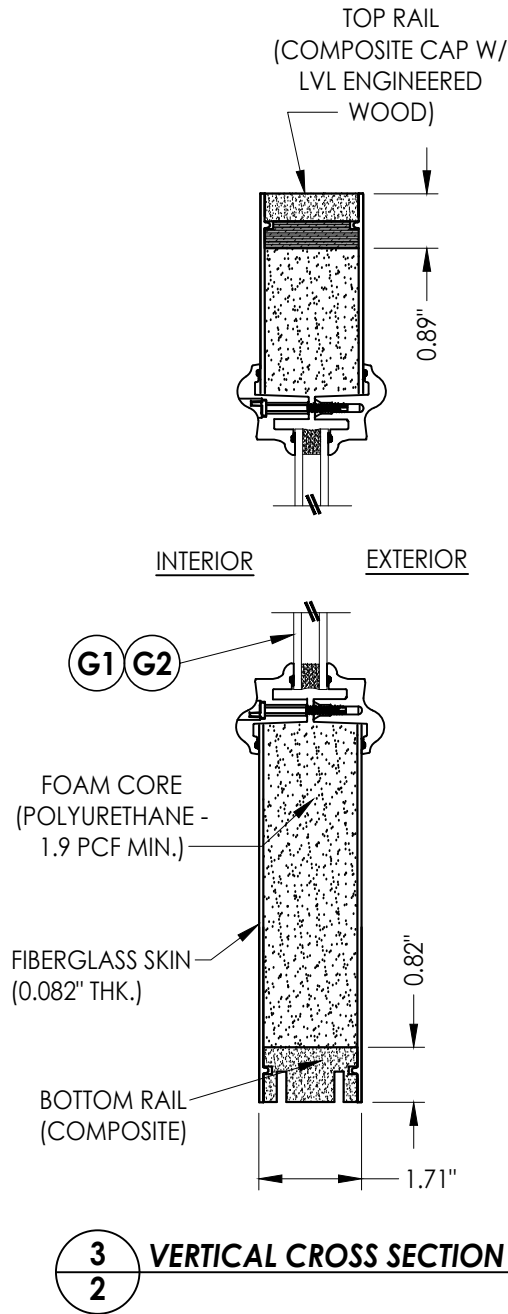
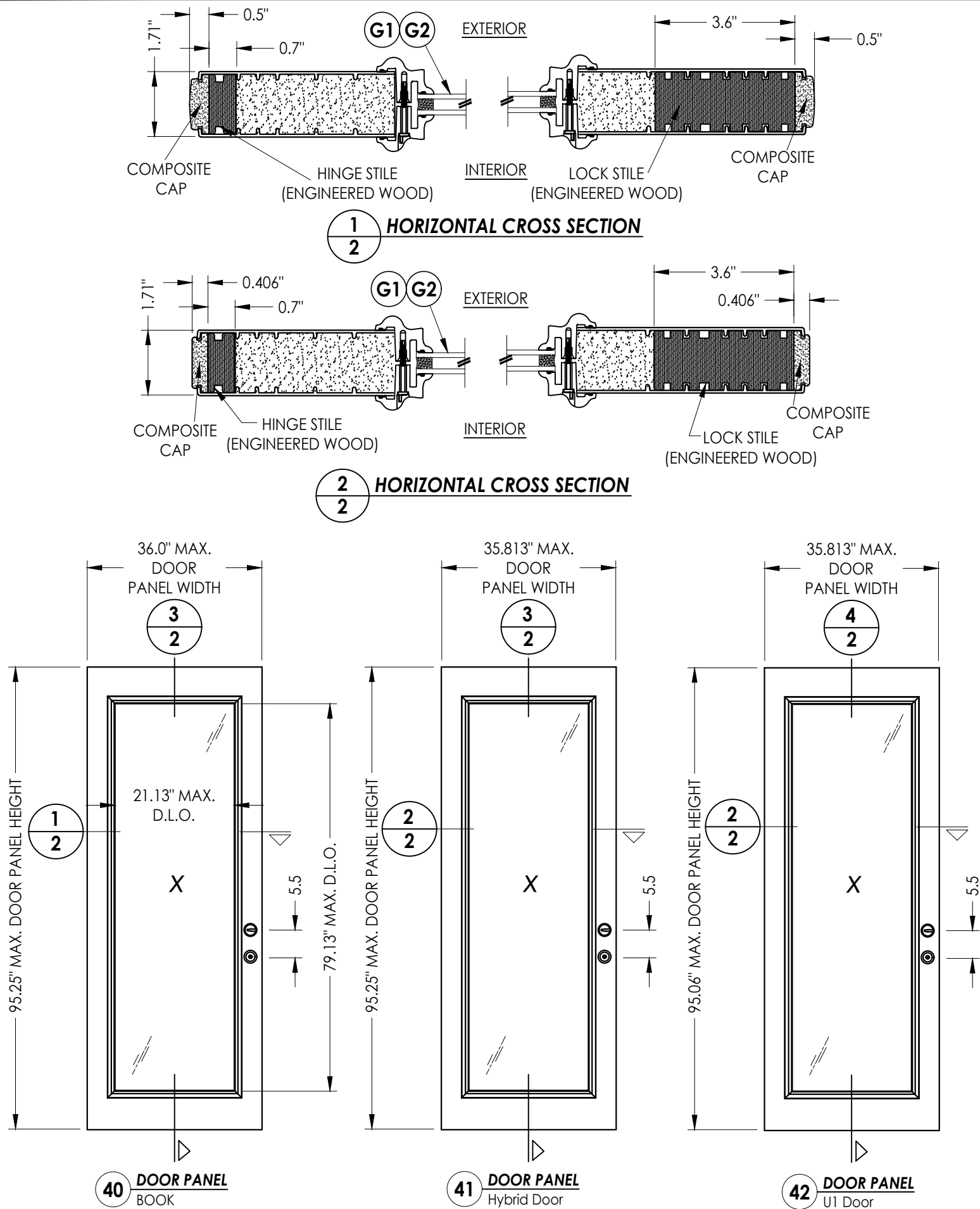
SHEET 1 OF 16

RW

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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

LFS	FBC	DATE	REVISIONS
6	7/19/23	UPDATE TO 8TH ED. (2023)	
5	7/21/20	UPDATE TO 7th ED (2020)	
4	10/09/18	REV. DOOR PANEL OPTION	
3	11/15/17	RECESSED PANEL NOTATION	
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.	
1	7/7/17	UPDATE TO 6th ED (2017)	
NO.	DATE		

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

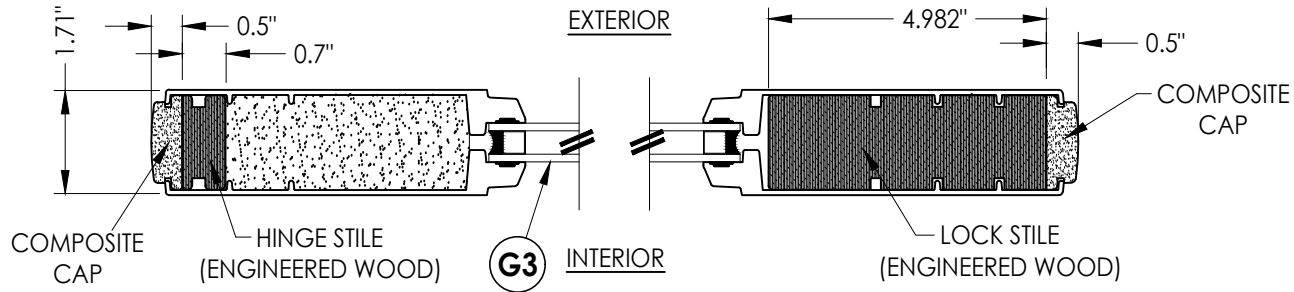
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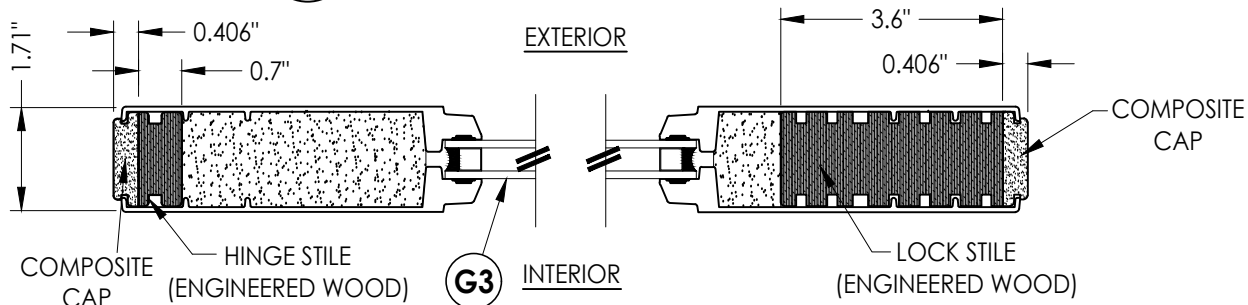
SHEET 2 OF 16

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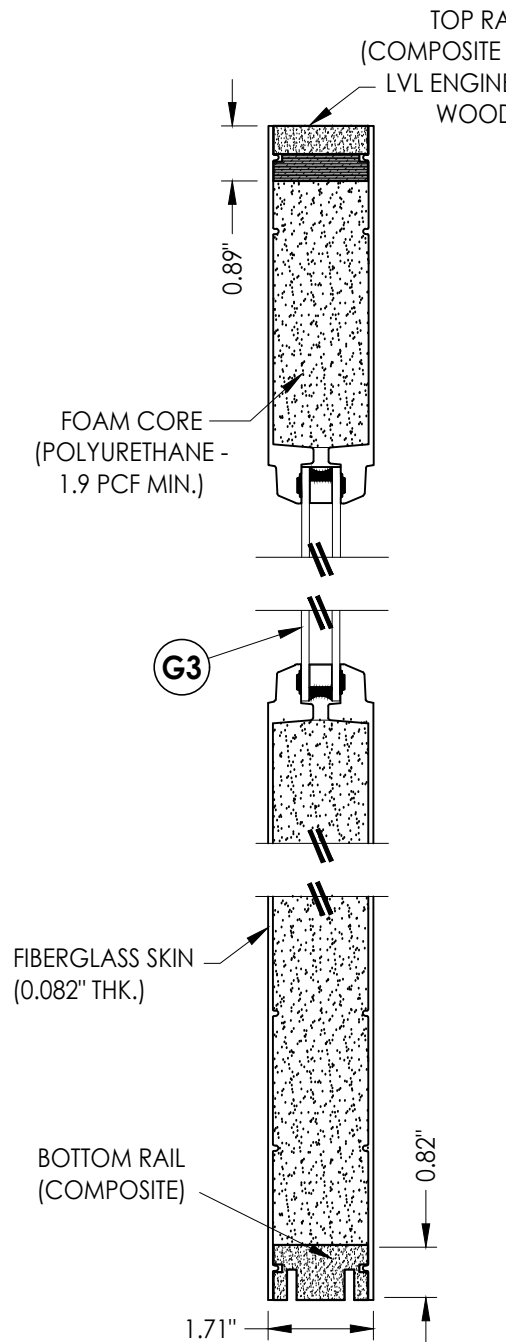
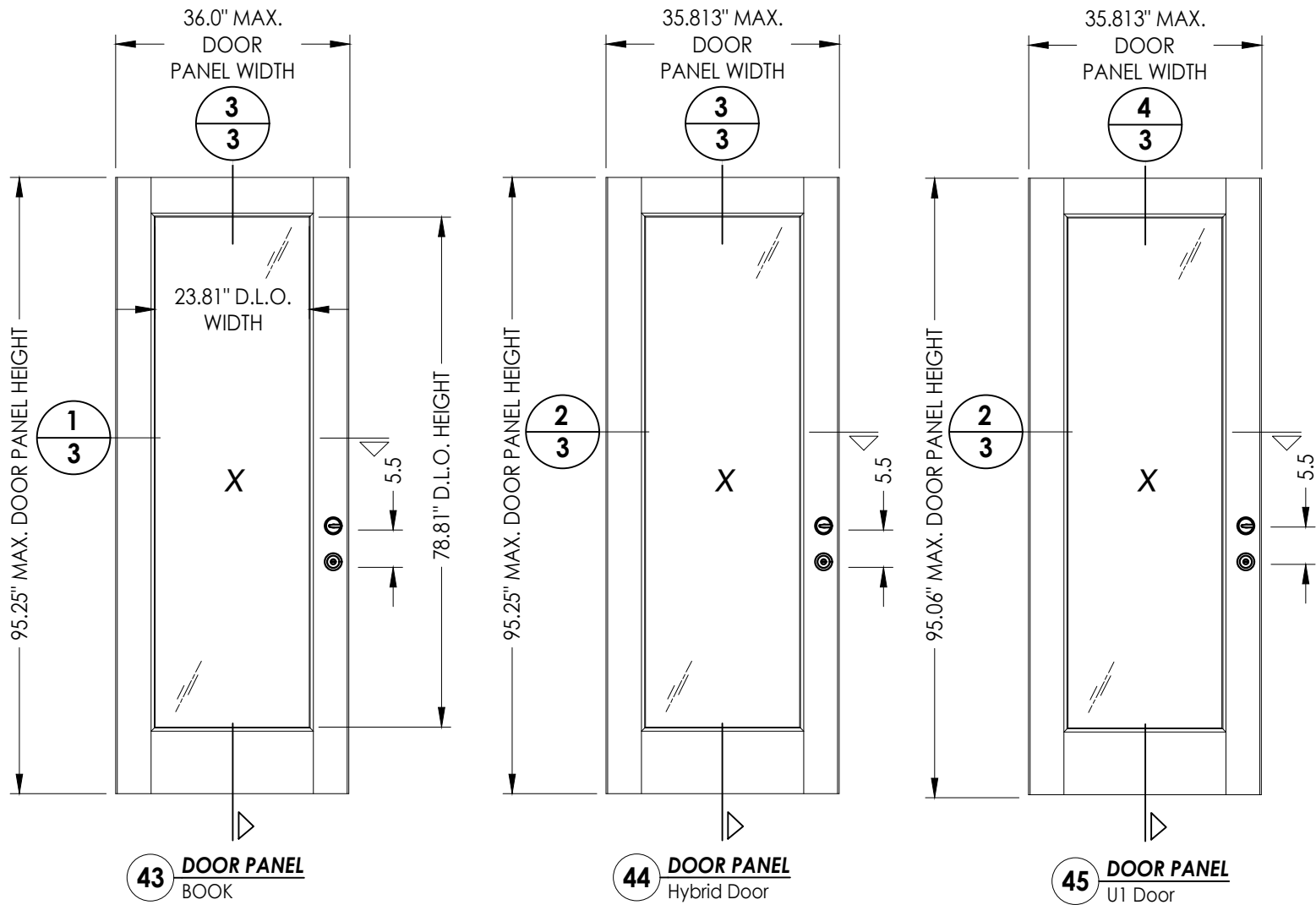
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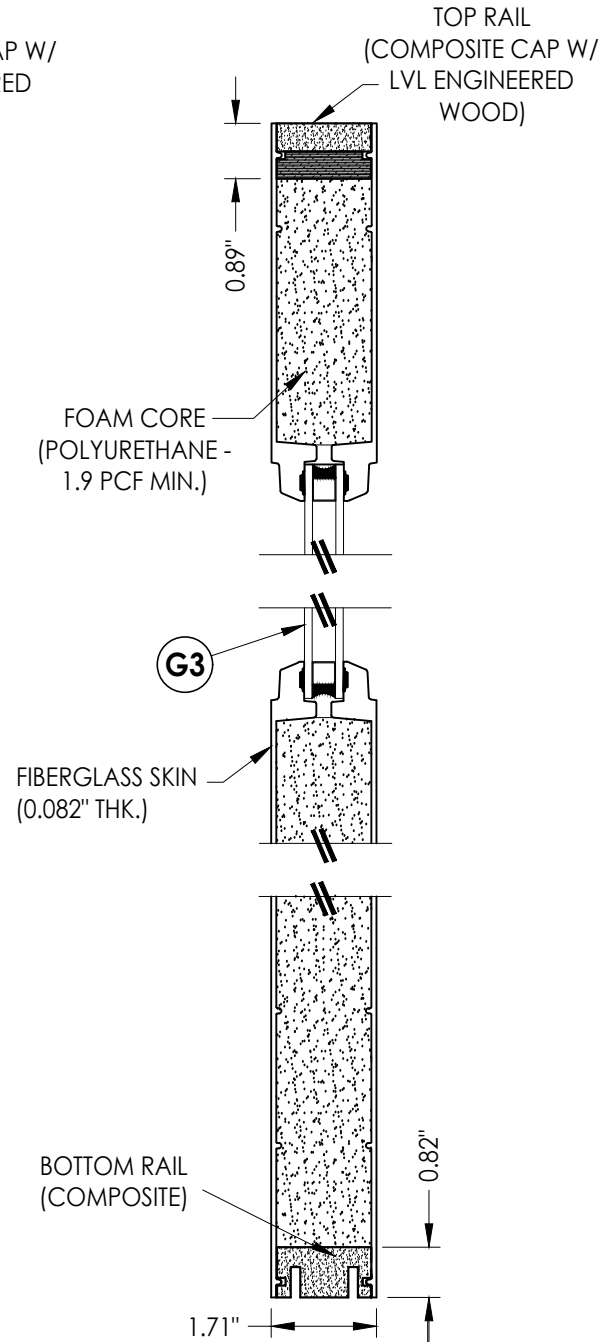
1
3 HORIZONTAL CROSS SECTION



2
3 HORIZONTAL CROSS SECTION



3
3 VERTICAL CROSS SECTION



4
3 VERTICAL CROSS SECTION

Documents Prepared By:
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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
6	7/19/23	UPDATE TO 8TH ED. (2023) FBC
5	7/21/20	UPDATE TO 7TH ED (2020) FBC
4	10/09/18	REV. DOOR PANEL OPTION NOTE
3	11/15/17	RECESSED PANEL NOTATION
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DATE: 6/1/16

SCALE: N.T.S.

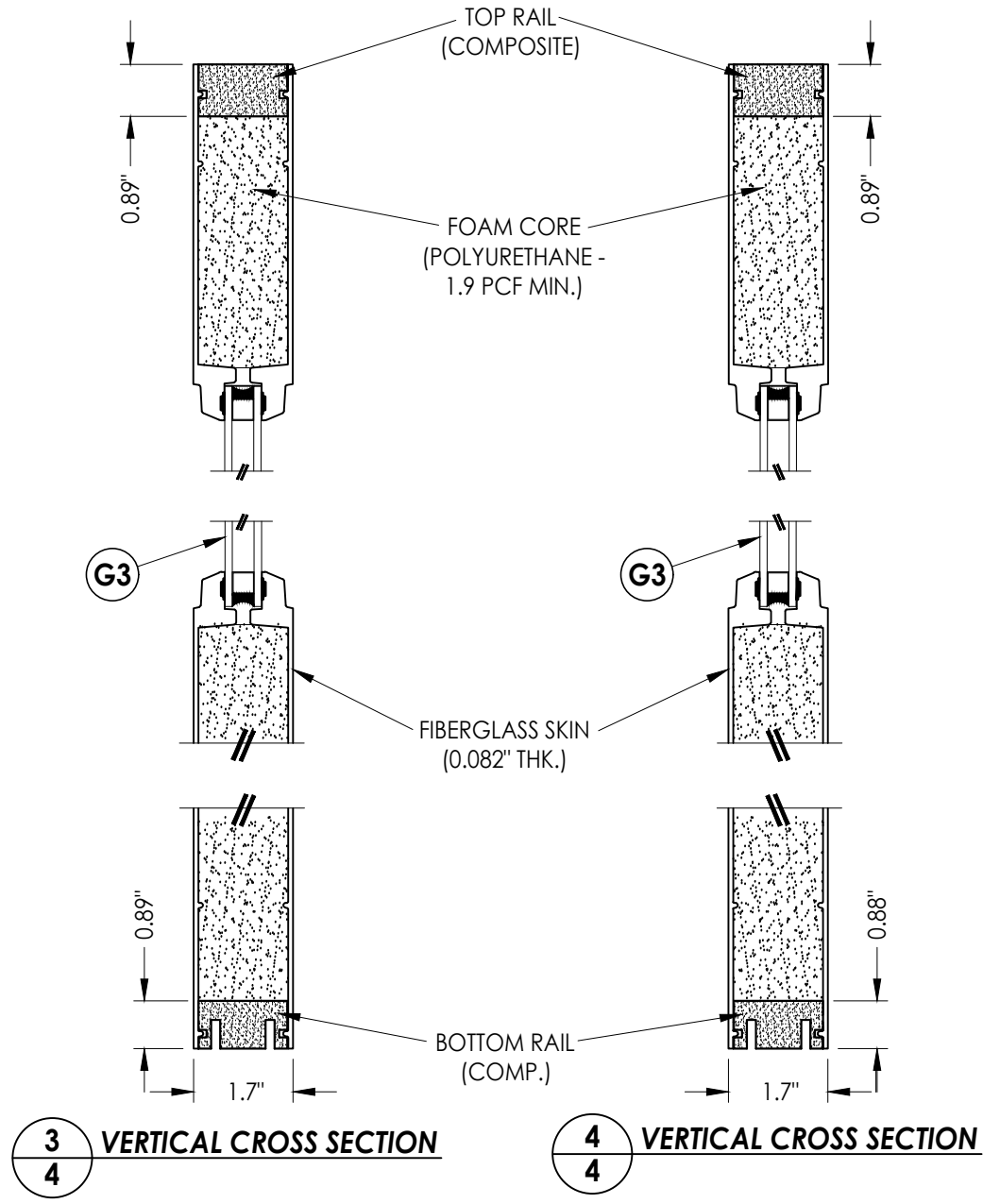
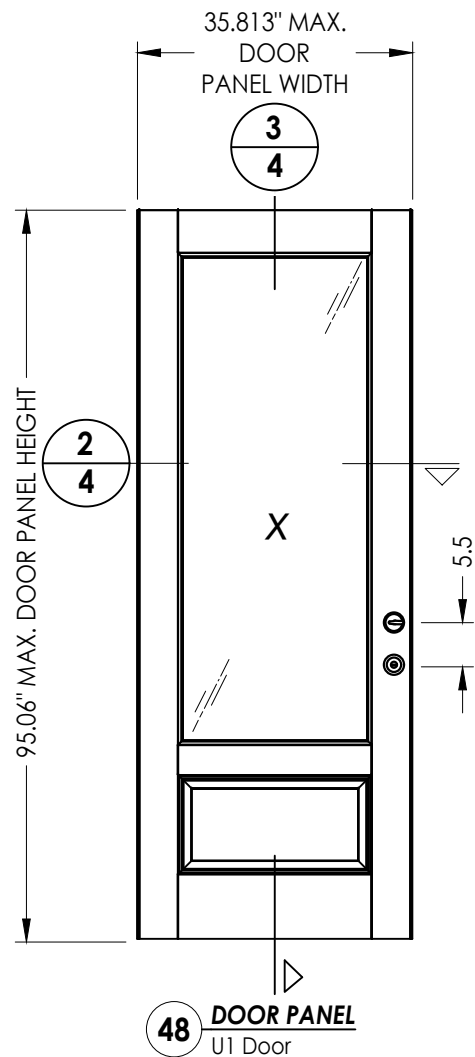
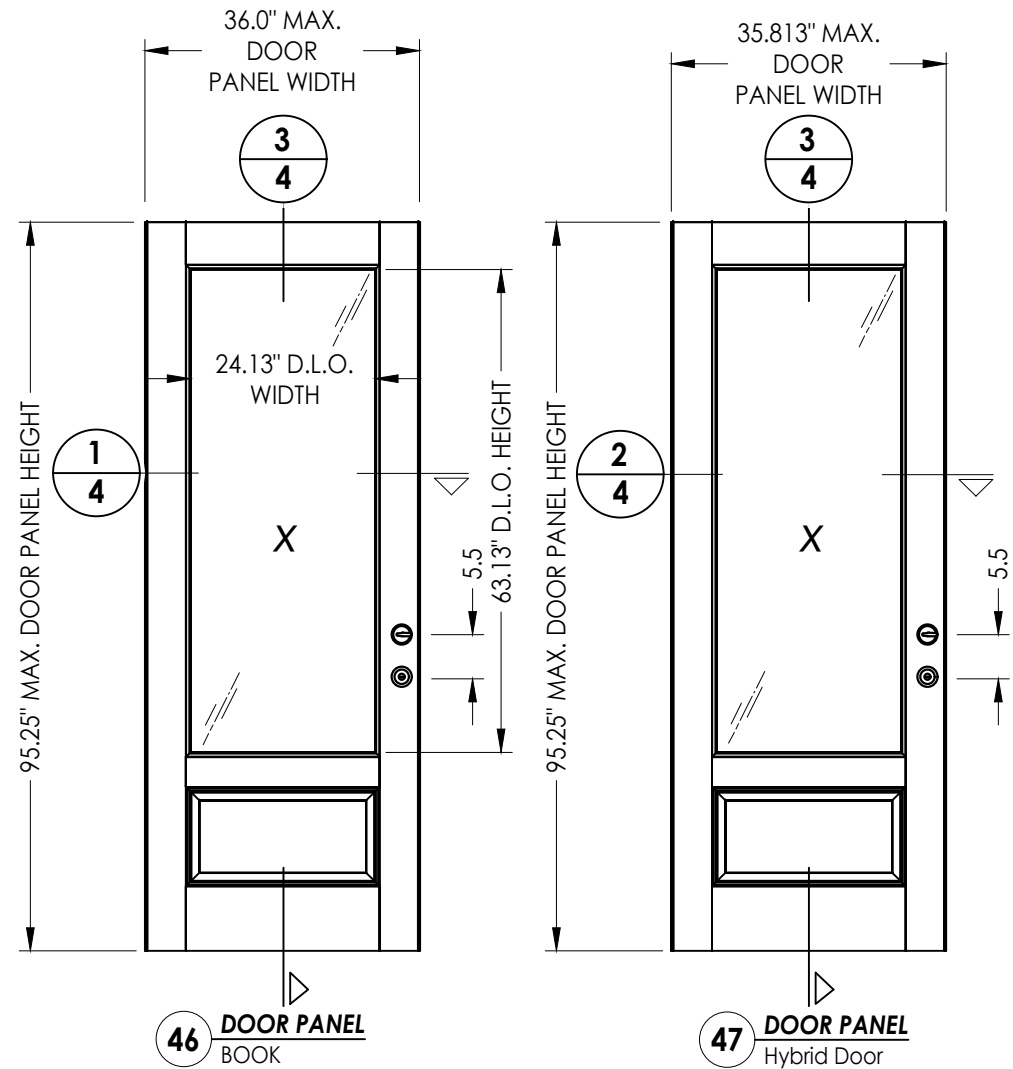
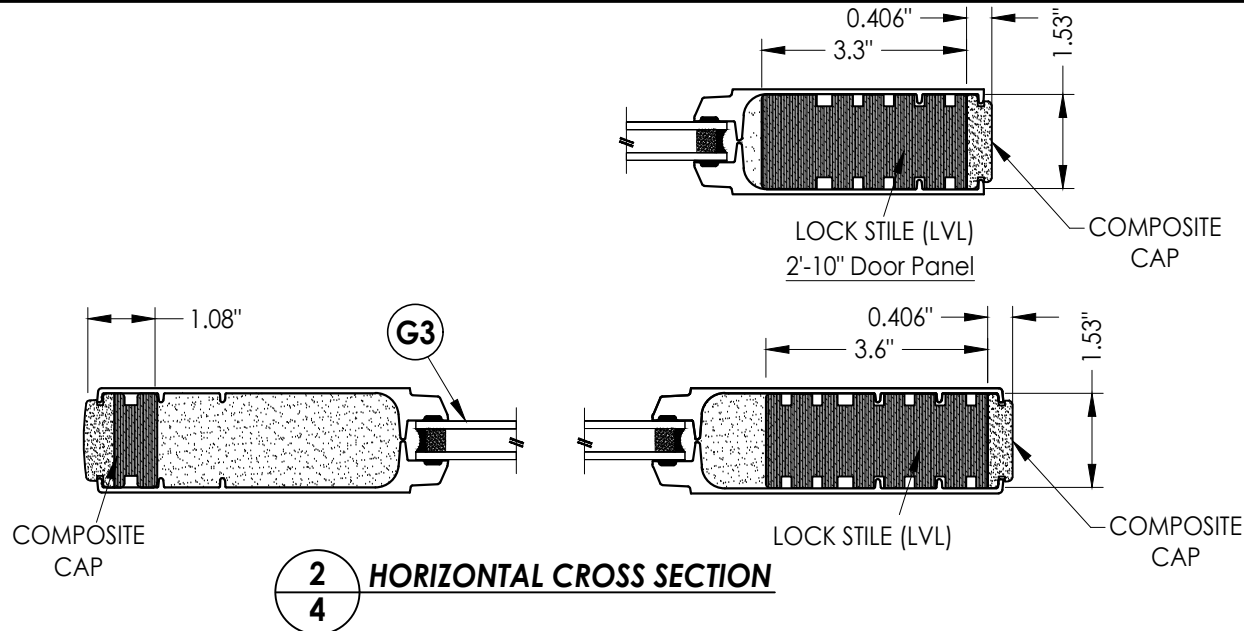
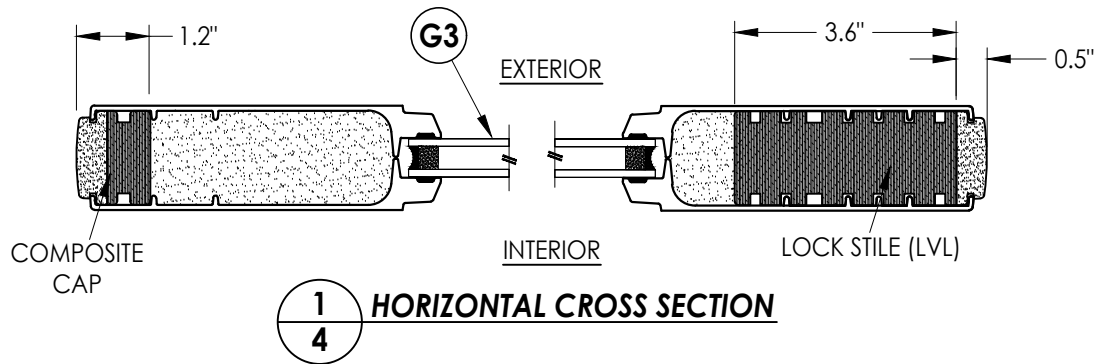
DWG. BY: JK

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DRAWING NO.: FL-20461.16

SHEET 3 OF 16

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
6	7/19/23	UPDATE TO 8TH ED. (2023) FBC
5	7/21/20	UPDATE TO 7TH ED (2020) FBC
4	10/09/18	REV. DOOR PANEL OPTION NOTE
3	11/15/17	RECESSED PANEL NOTATION
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.
1	7/7/17	UPDATE TO 6TH ED (2017) FBC
JK		
BY		

DATE: 6/1/16

SCALE: N.T.S.

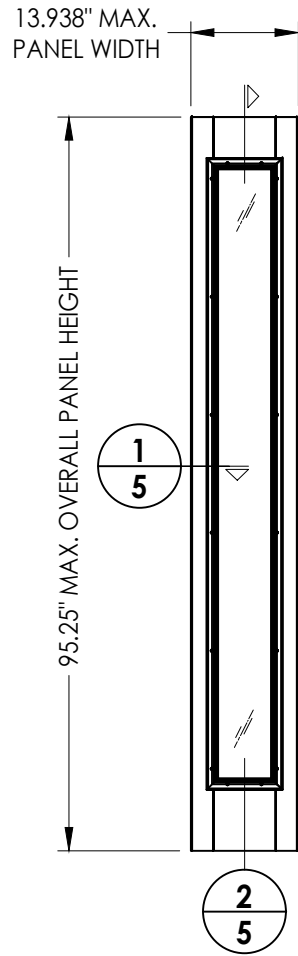
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CHK. BY: LFS

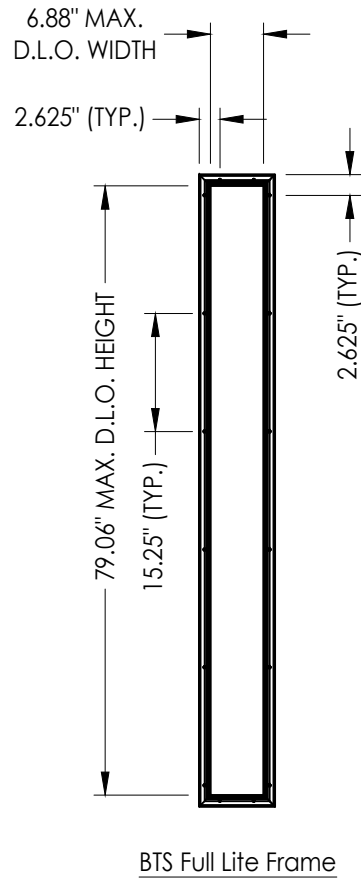
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SHEET 4 OF 16

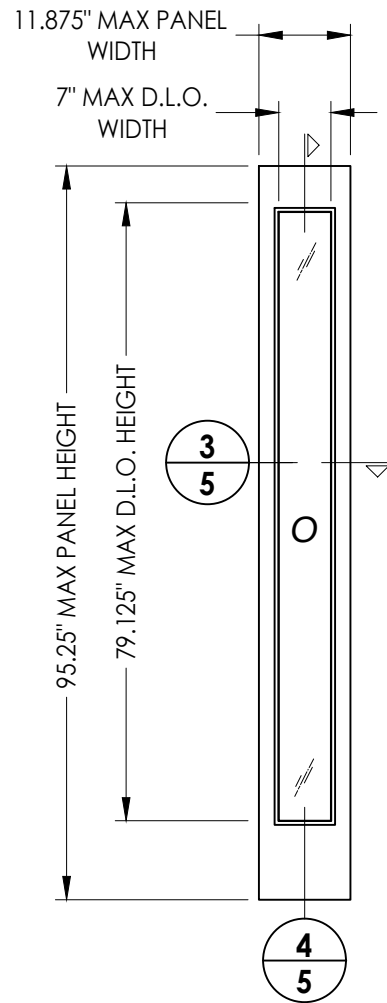
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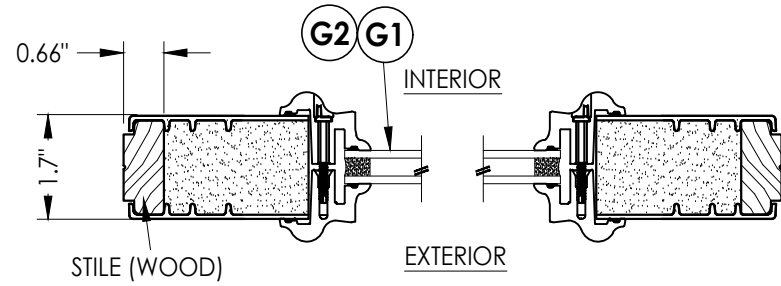
50 **SIDELITE PANEL**
FULL LITE
LIP LITE



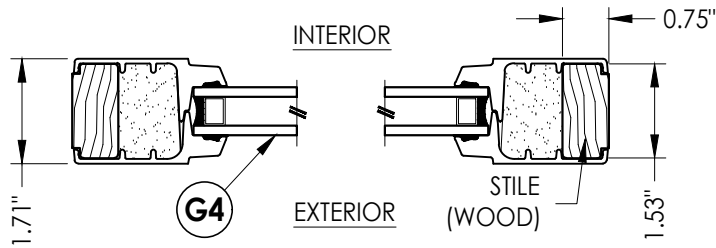
BTS Full Lite Frame



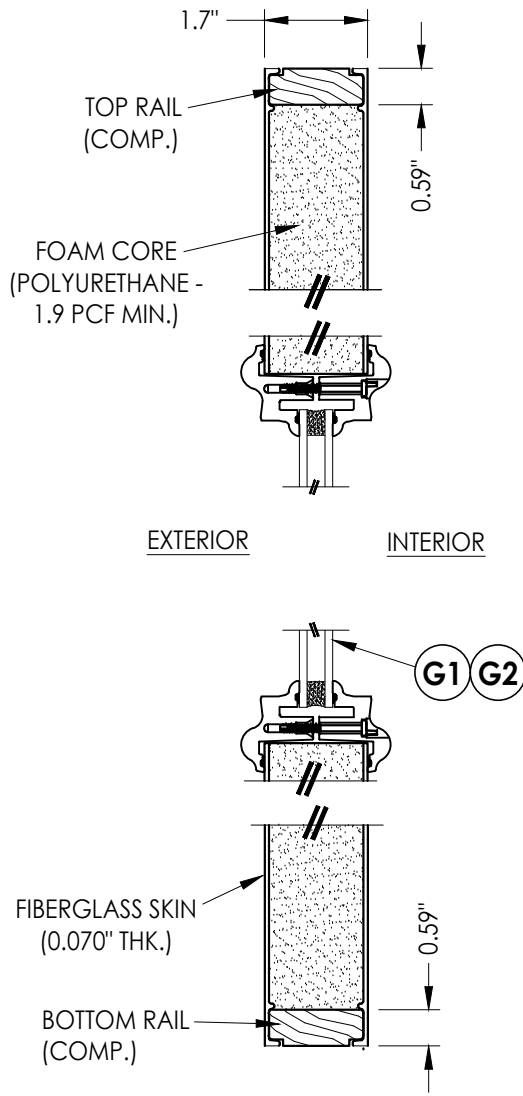
60 **SIDELITE PANEL**
FULL LITE
FLUSH GLAZED



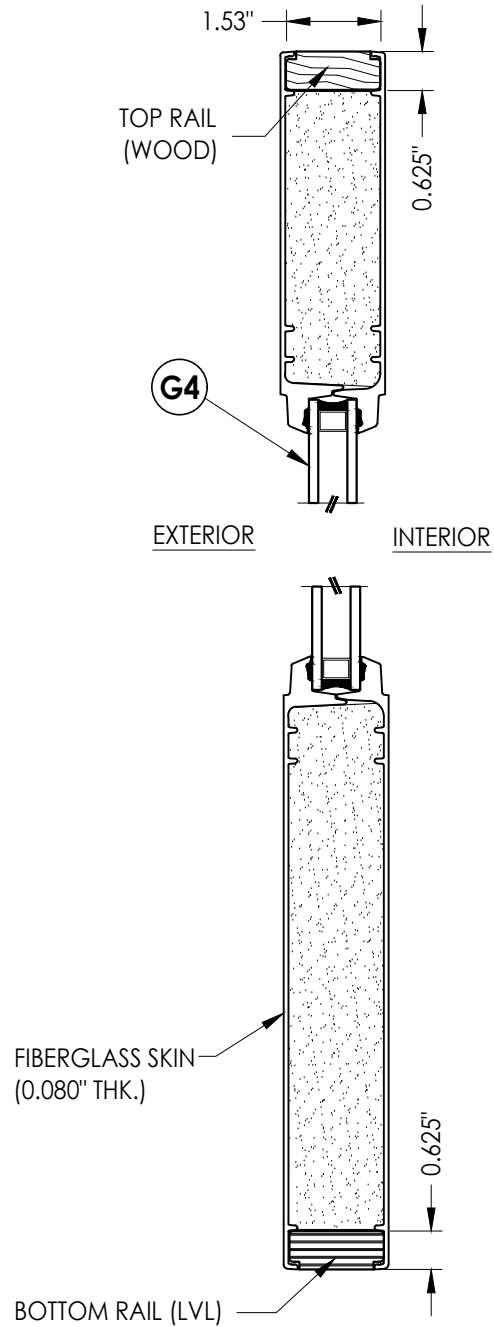
1 **HORIZONTAL CROSS SECTION**
5 Lip Lite Glazing



3 **HORIZONTAL CROSS SECTION**
5 Flush Glazed



2 **VERTICAL CROSS SECTION**
5 Lip Lite Glazing



4 **VERTICAL CROSS SECTION**
5 Flush Glazed

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL DETAILS &
GLAZING DETAIL

LFS	FBC	DATE	REVISIONS
6	7/19/23	UPDATE TO 8TH ED. (2023)	FBC
5	7/21/20	UPDATE TO 7th ED (2020)	FBC
4	10/09/18	REV. DOOR PANEL OPTION	NOTE
3	11/15/17	RECESSED PANEL NOTATION	MT
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.	JK
1	7/7/17	UPDATE TO 6th ED (2017)	FBC
NO.	DATE		BY

DATE: 6/1/16

SCALE: N.T.S.

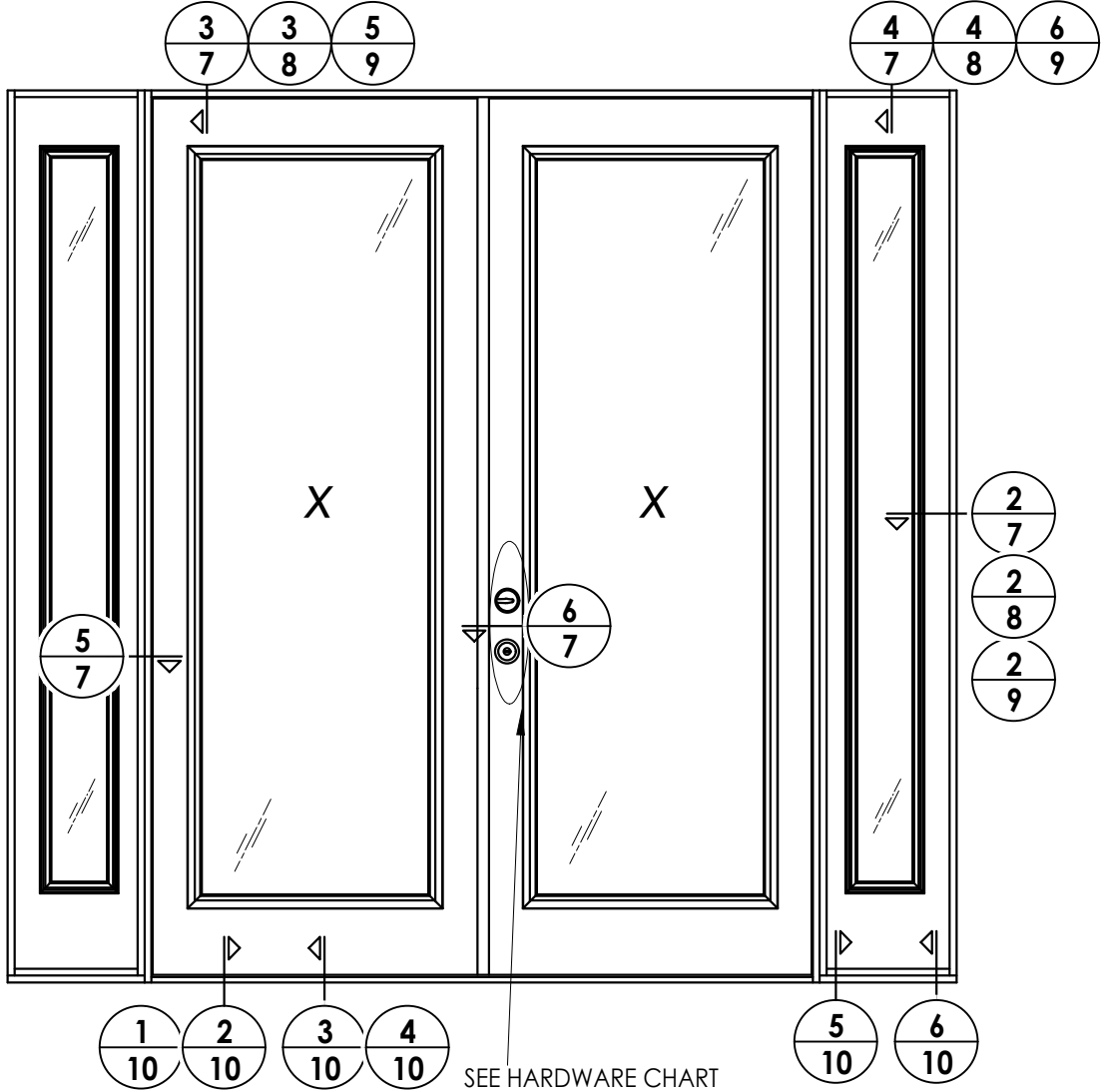
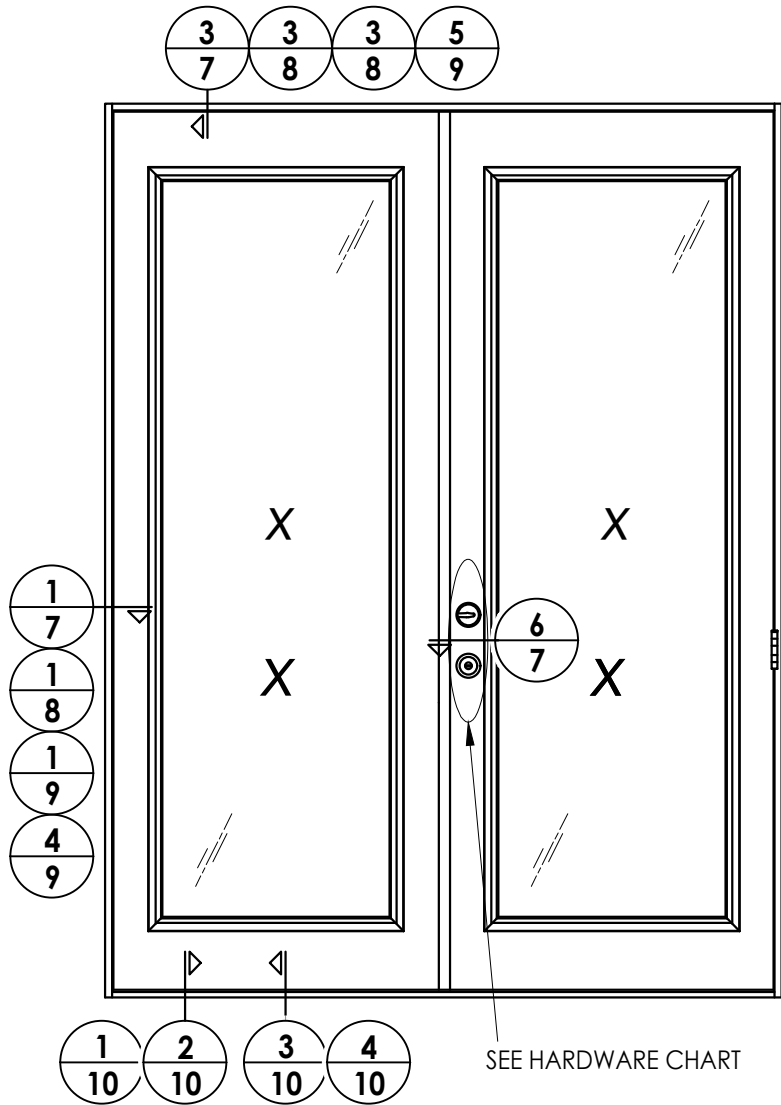
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CHK. BY: LFS

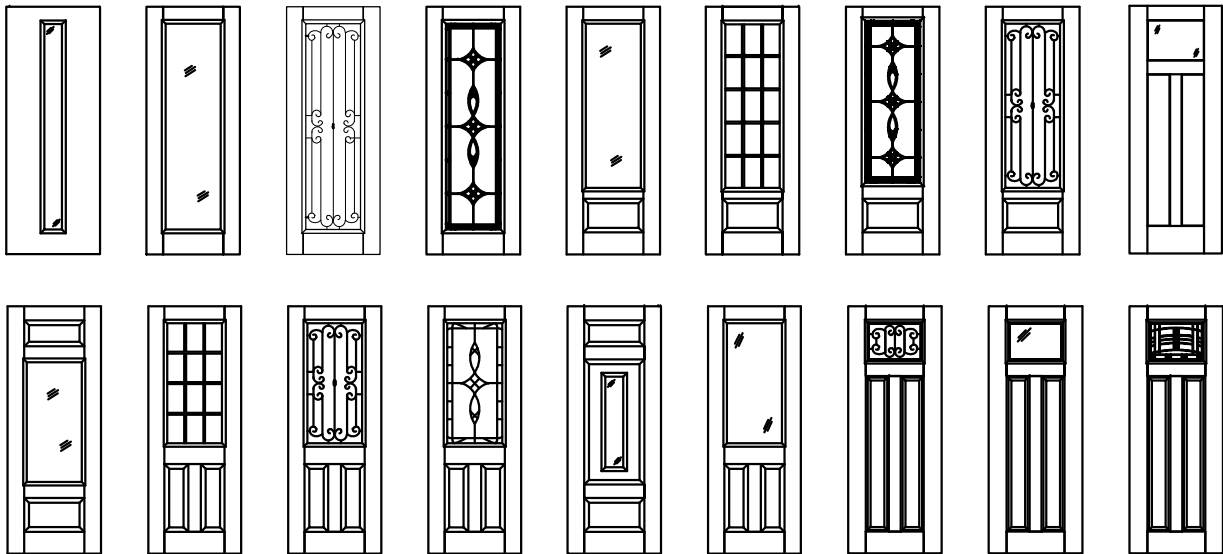
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SHEET 5 OF 16

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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 : MPDGSB (3 pt. Manual Shootbolt)	

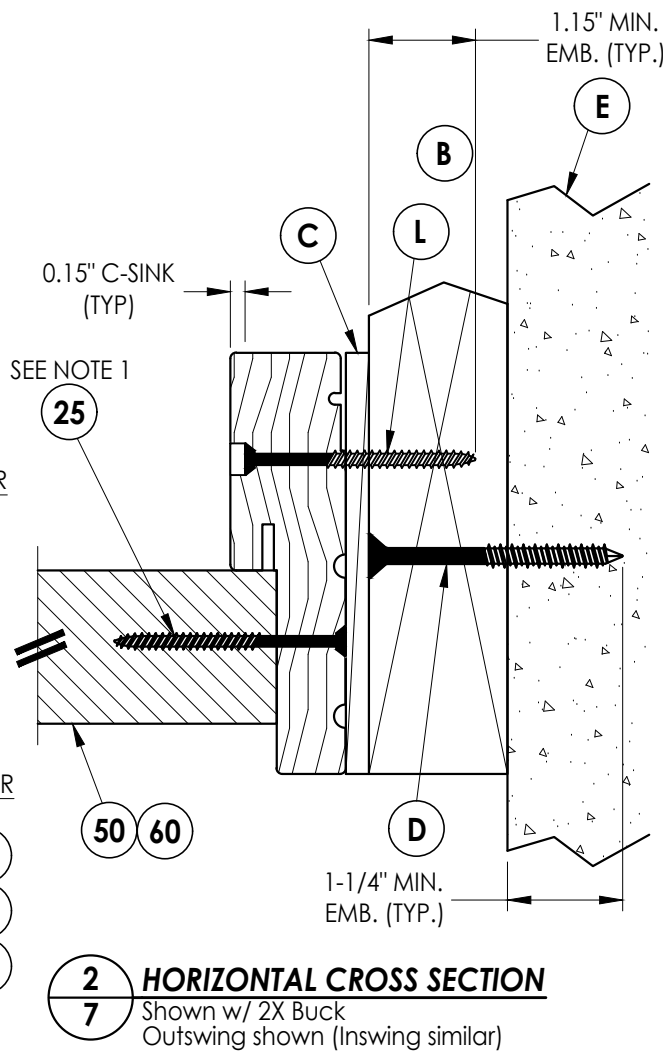
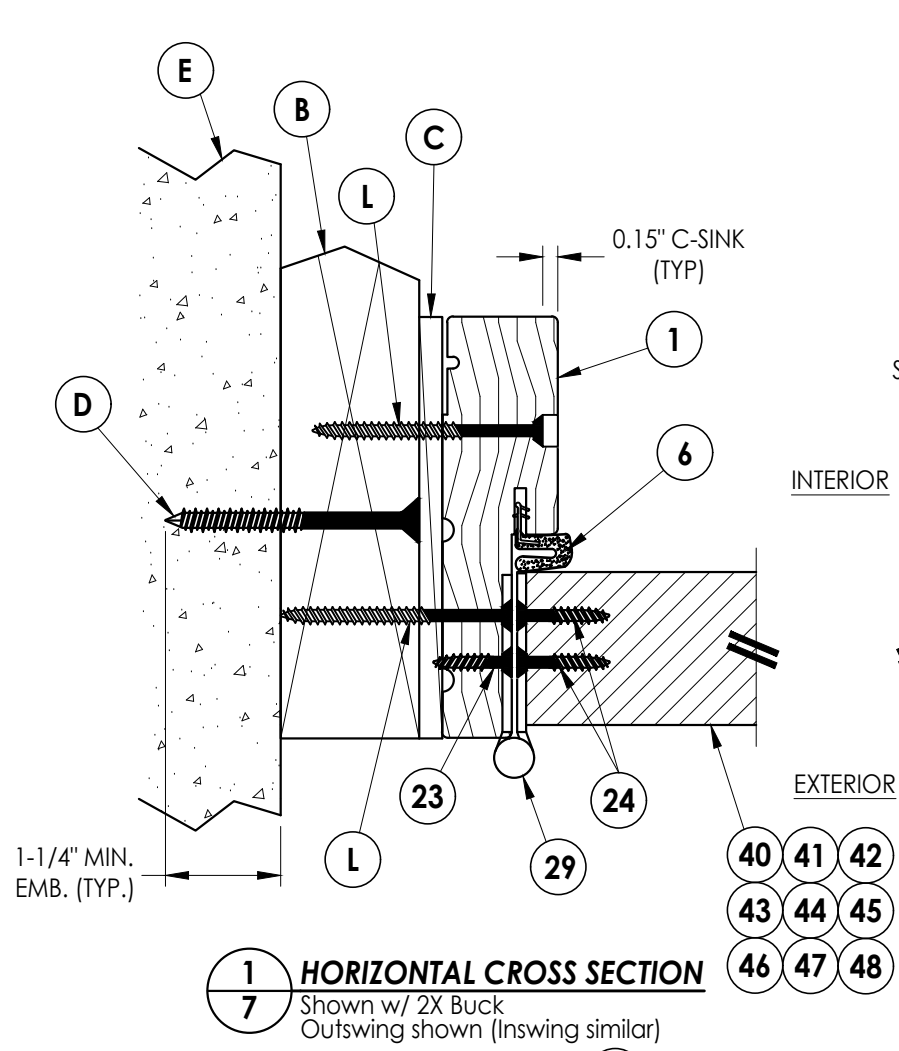


Fiber-Classic/Smooth-Star Door Panel Options

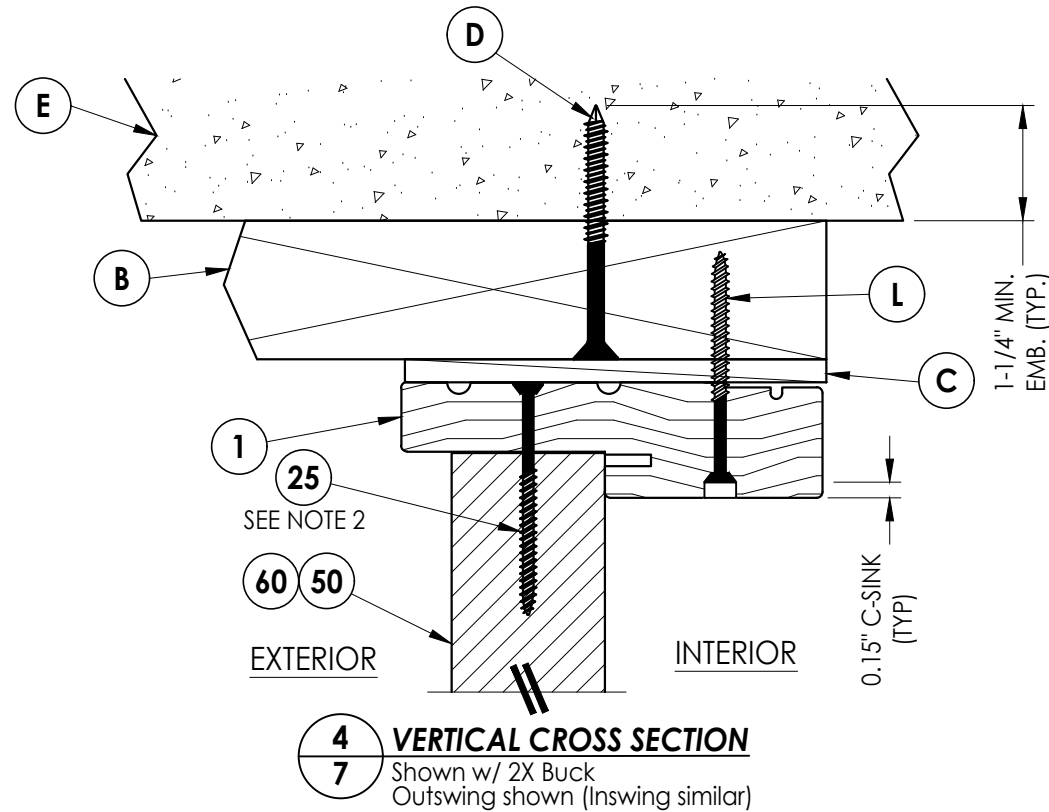
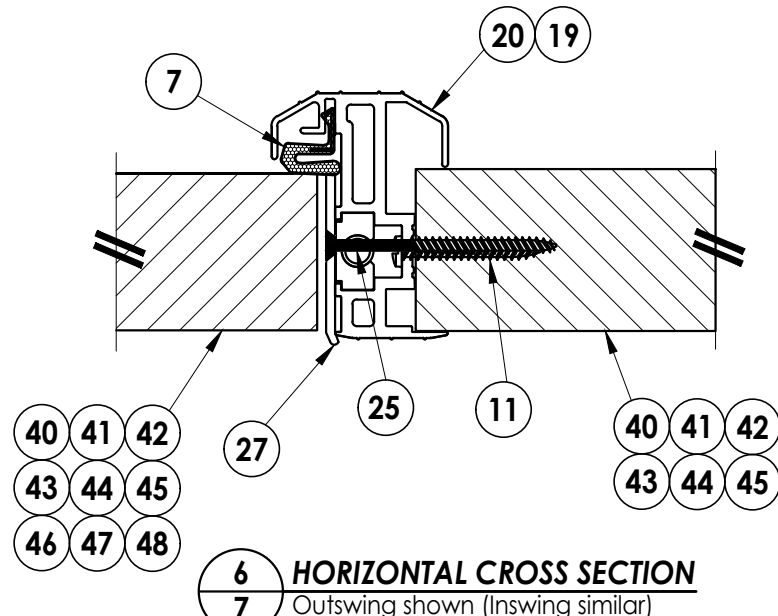
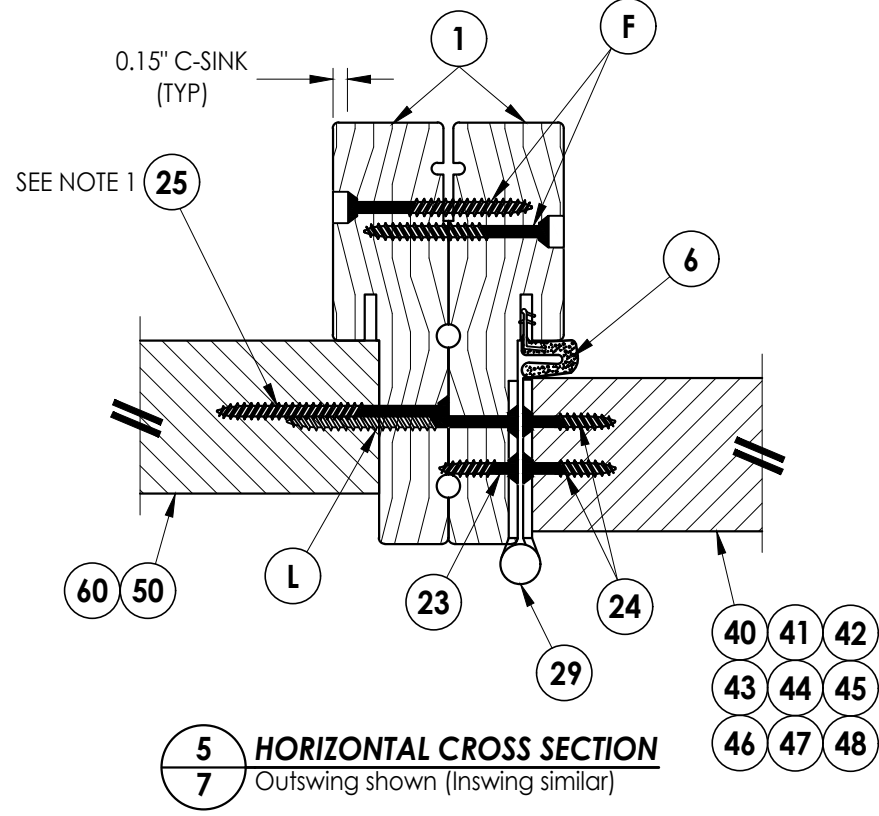
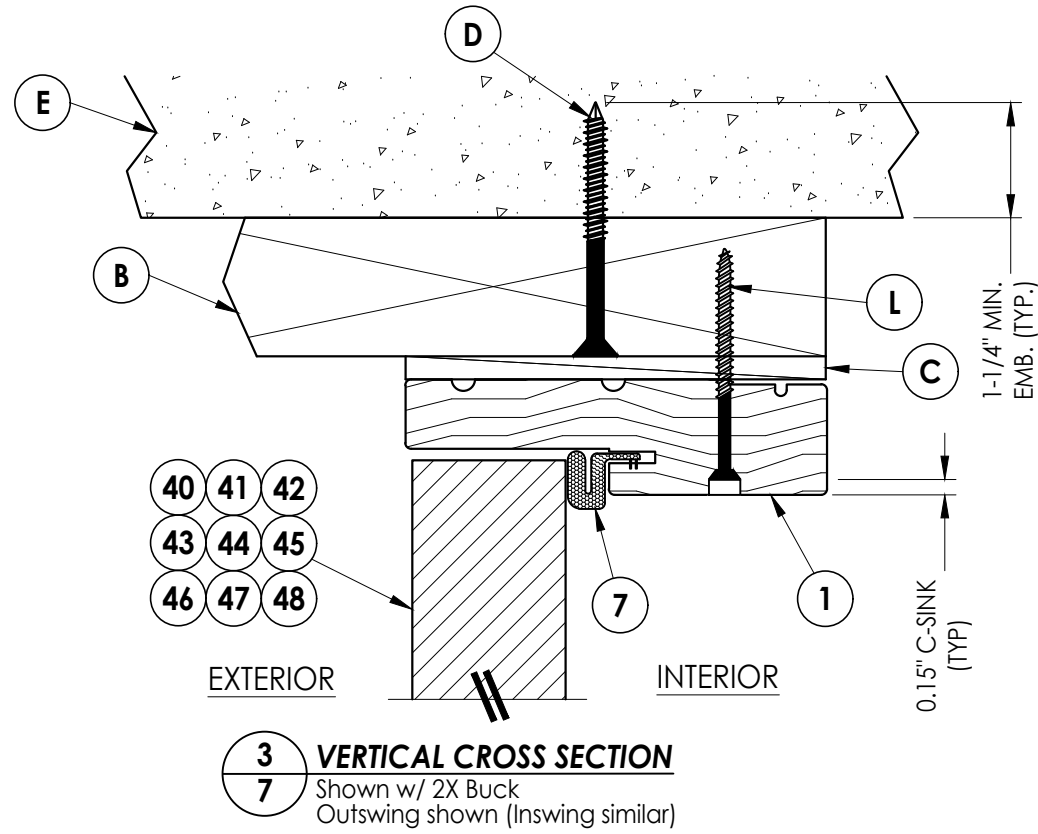
Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

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PRODUCT: THERMA-TRU FIBERGLASS DOOR						PART OR ASSEMBLY: ELEVATIONS					
6	7/19/23	UPDATE TO 8TH ED. (2023)	FBC	LFS		REVISIONS					
5	7/21/20	UPDATE TO 7th ED (2020)	FBC	LFS							
4	10/09/18	REV. DOOR PANEL OPTION NOTE	MT								
3	11/15/17	RECESSED PANEL NOTATION	JK								
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.	JK								
1	7/7/17	UPDATE TO 6th ED (2017)	FBC	JK							
	NO.	DATE									
DATE: 6/1/16											
SCALE: N.T.S.											
DWG. BY: JK											
CHK. BY: LFS											
DRAWING NO.: FL-20461.16											
SHEET 6 OF 16											

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- Notes:
- Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
 - Sidelite assembly screws located 4" from each end (2 screws along head jamb).



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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:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

LFS	FBC	DATE	REVISIONS
6	7/19/23	UPDATE TO 8TH ED. (2023)	
5	7/21/20	UPDATE TO 7th ED (2020)	
4	10/09/18	REV. DOOR PANEL OPTION	
3	11/15/17	RECESSED PANEL NOTATION	
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.	
1	7/7/17	UPDATE TO 6th ED (2017)	
NO.	DATE		

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

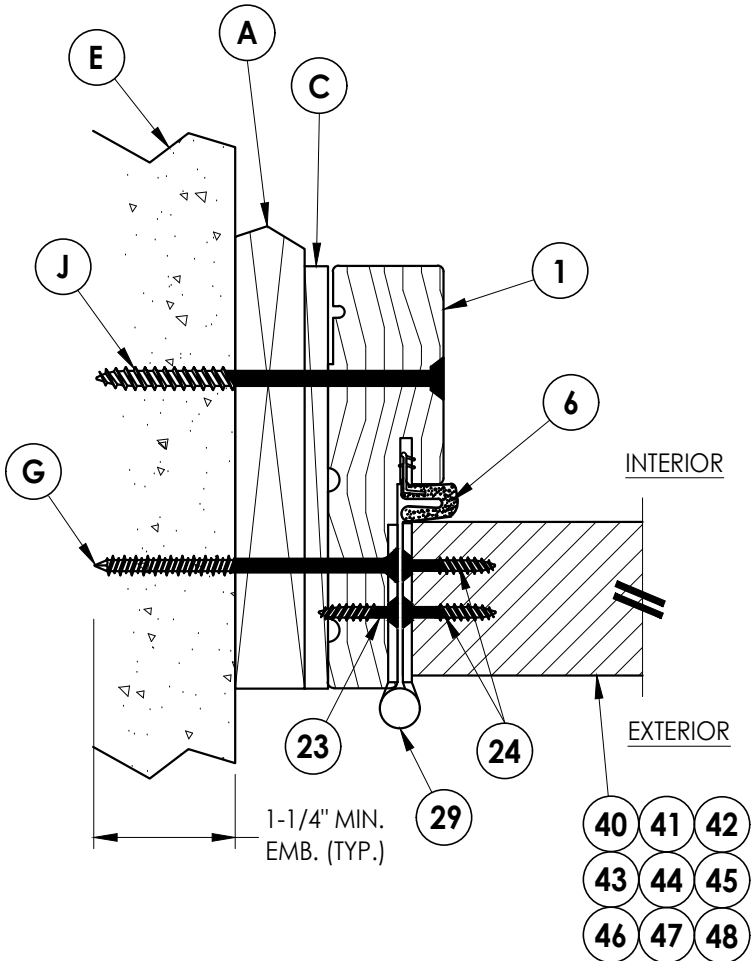
CHK. BY: LFS

DRAWING NO.: FL-20461.16

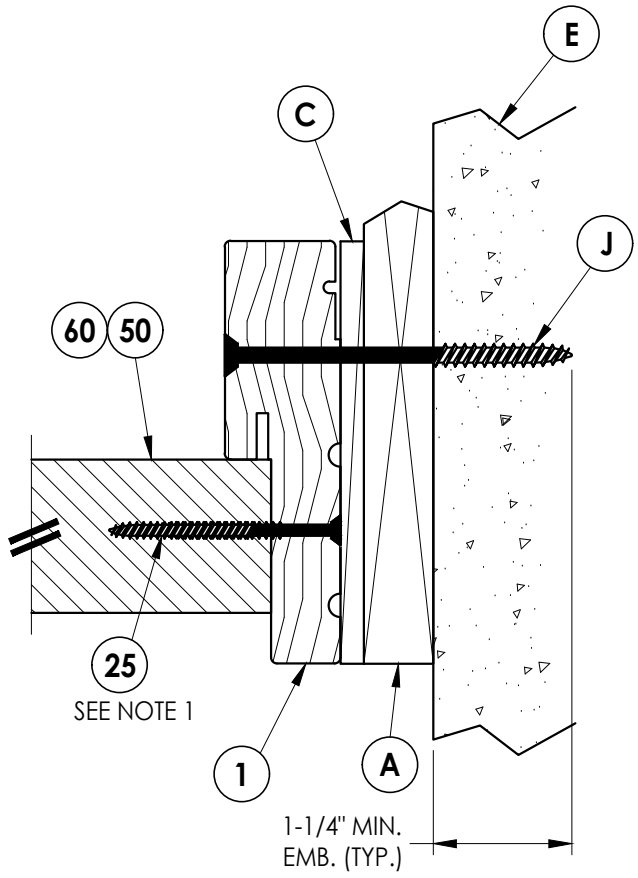
SHEET 7 OF 16

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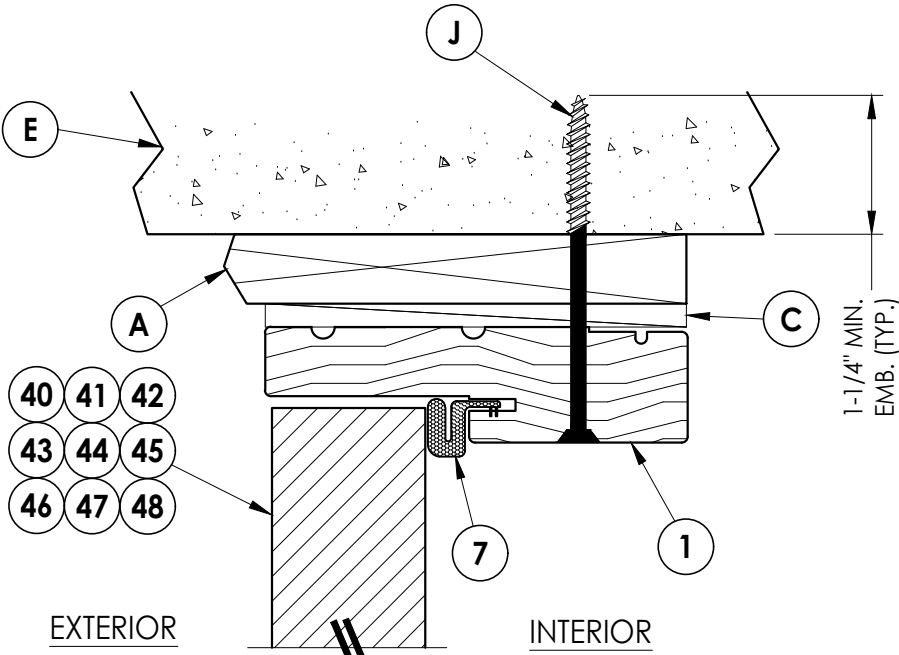
- Notes:
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
 2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).



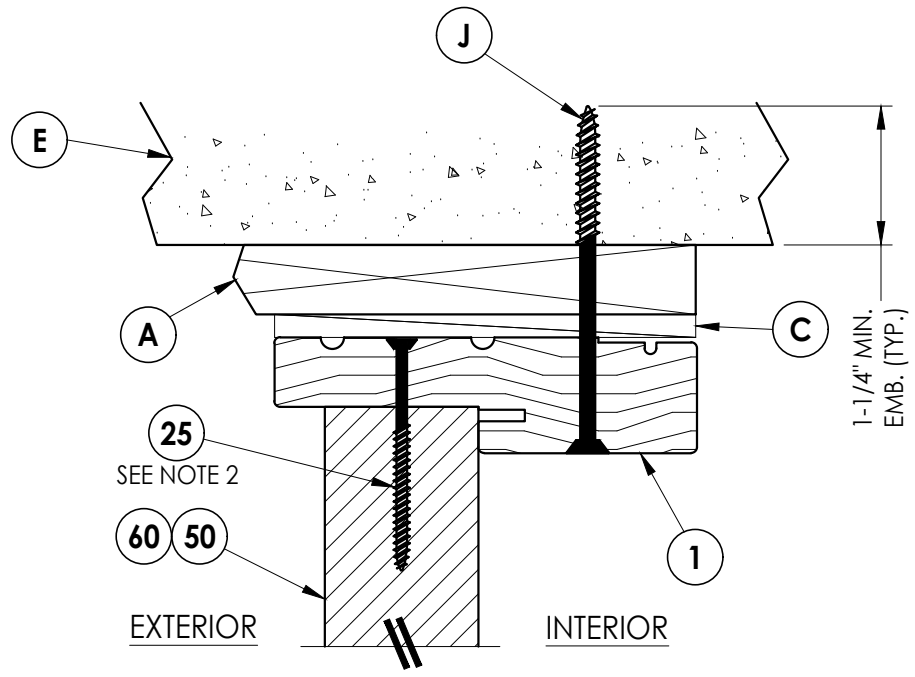
1
8 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



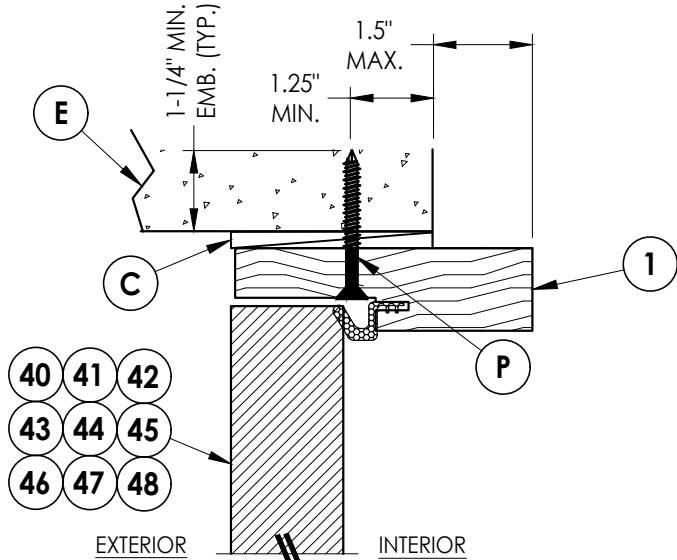
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8 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



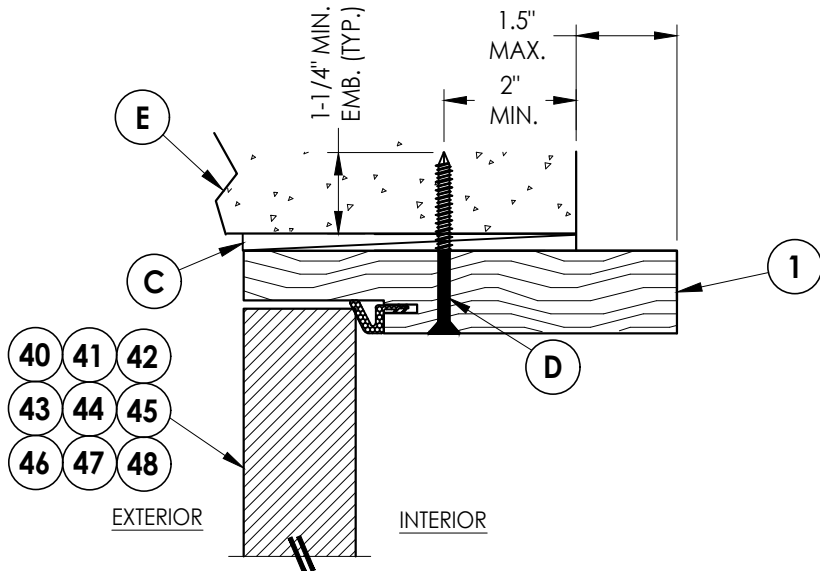
4
8 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
LFS	7/19/23	UPDATE TO 8TH ED. (2023)	FBC
LFS	7/21/20	UPDATE TO 7th ED (2020)	FBC
MT	10/09/18	REV. DOOR PANEL OPTION	NOTE
JK	11/15/17	RECESSED PANEL NOTATION	JK
JK	10/15/17	ADD DEADBOLT 5-1/2" O. C.	JK
JK	7/7/17	UPDATE TO 6th ED (2017)	FBC
BY	NO.	DATE	
REVISIONS			
DATE: 6/1/16			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-20461.16			
SHEET 8 OF 16			

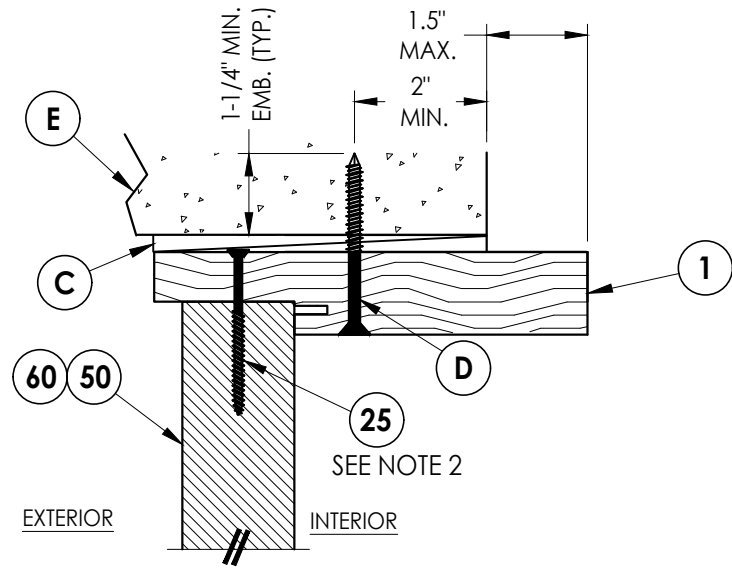
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3
9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



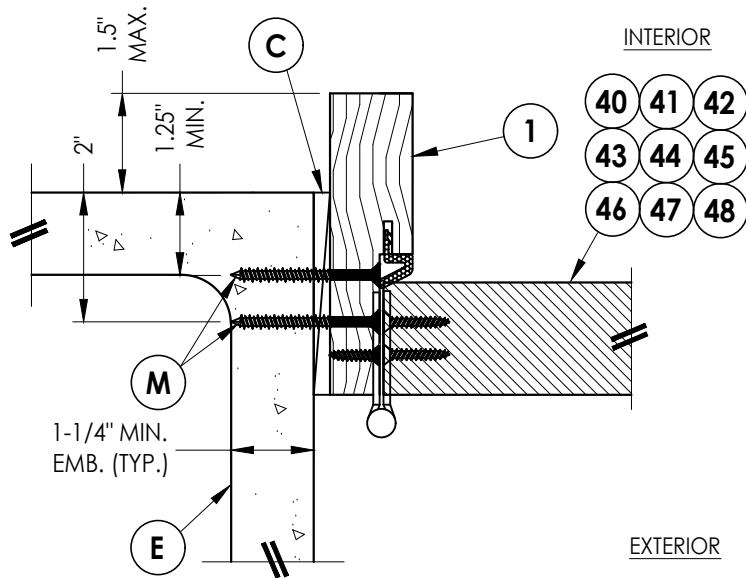
5
9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



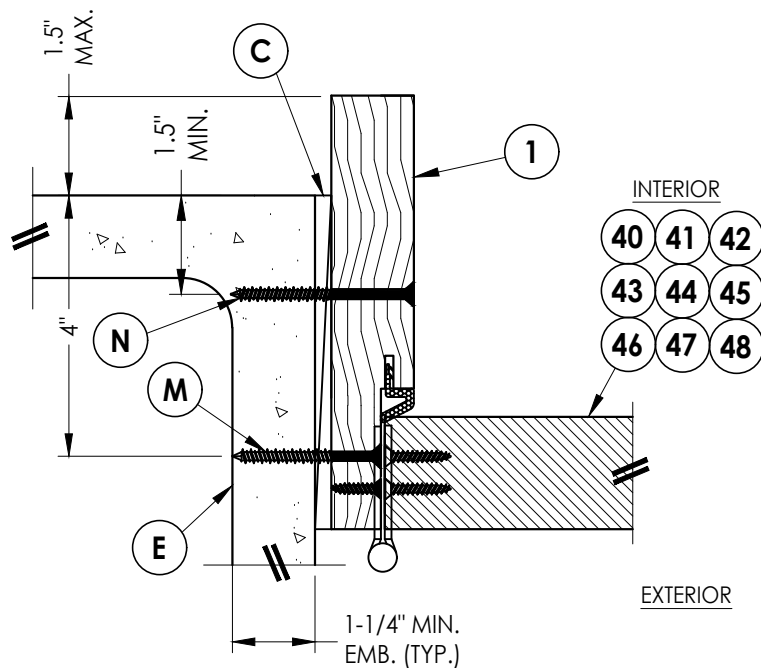
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9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:

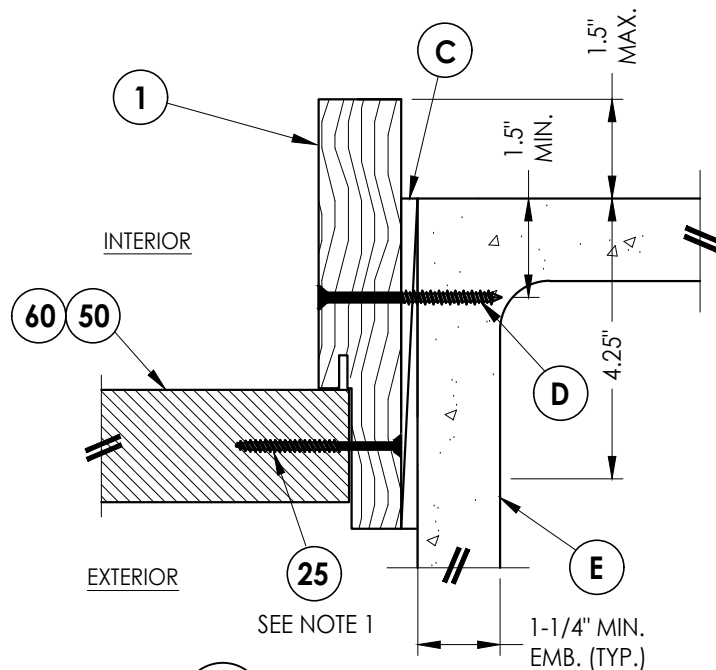
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).



1
9 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



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



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

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

LFS	FBC	UPDATE TO 8TH ED. (2023)	DATE
6	7/19/23	UPDATE TO 8TH ED. (2023)	6/1/16
5	7/21/20	UPDATE TO 7th ED (2020)	
4	10/09/18	REV. DOOR PANEL OPTION NOTE	
3	11/15/17	RECESSED PANEL NOTATION	
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.	
1	7/7/17	UPDATE TO 6th ED (2017)	
NO.	DATE		

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

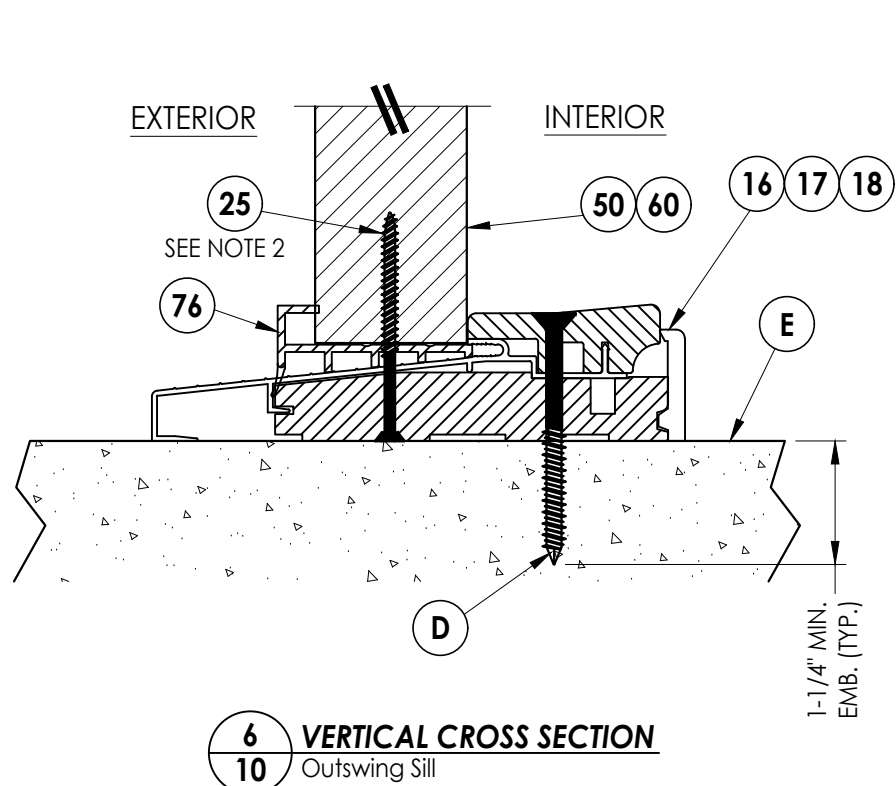
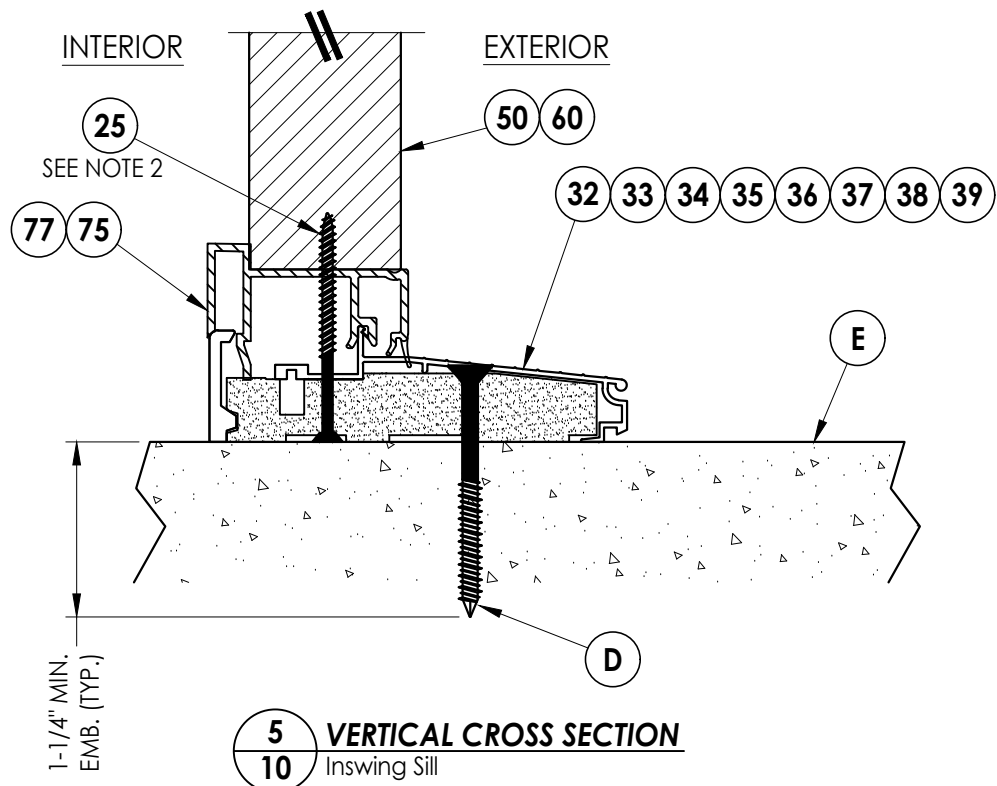
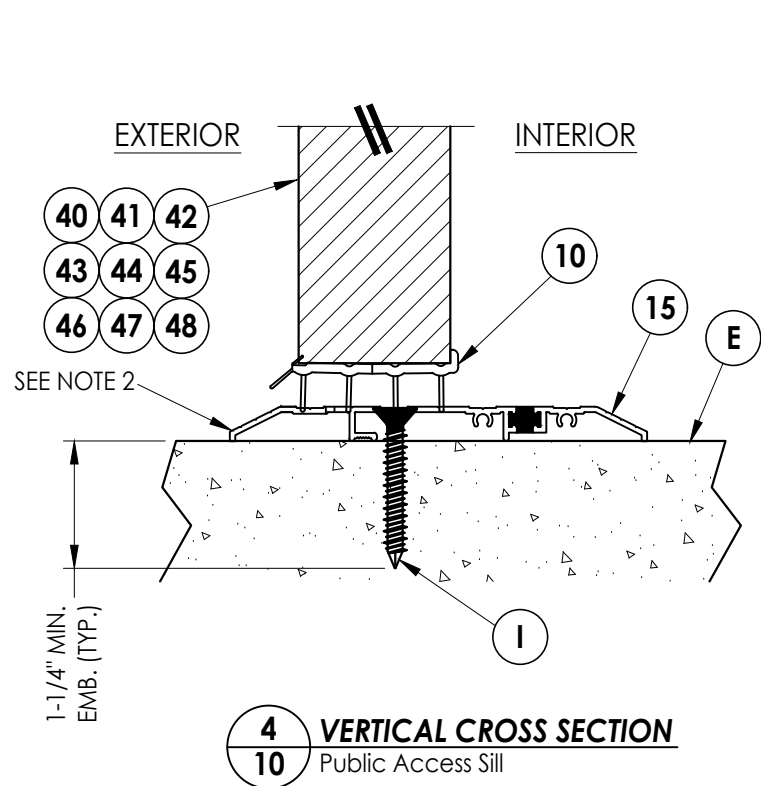
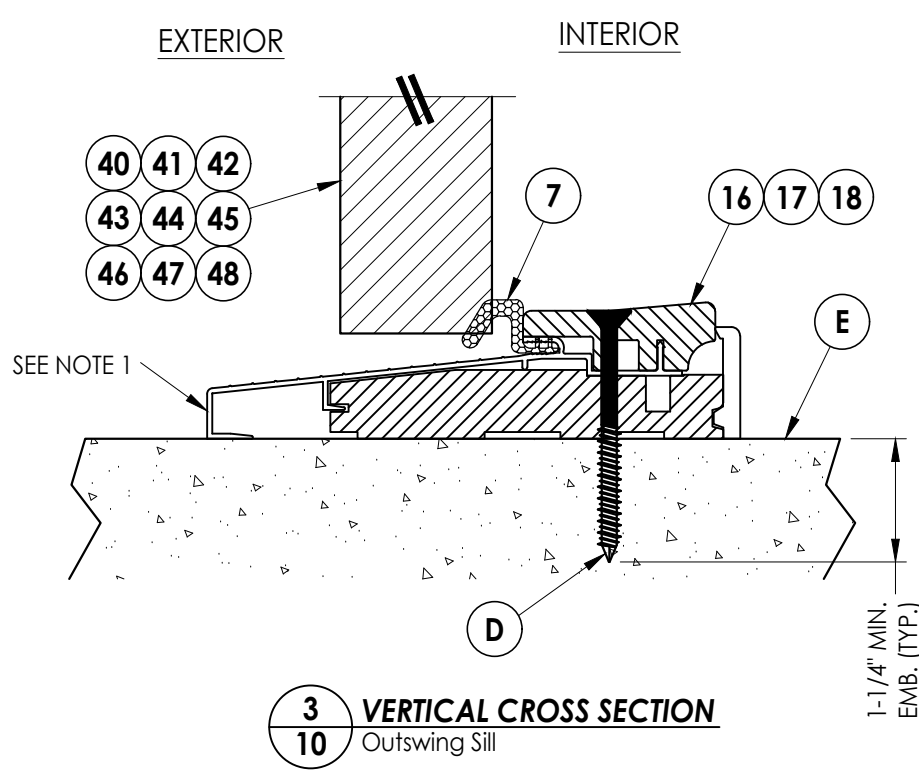
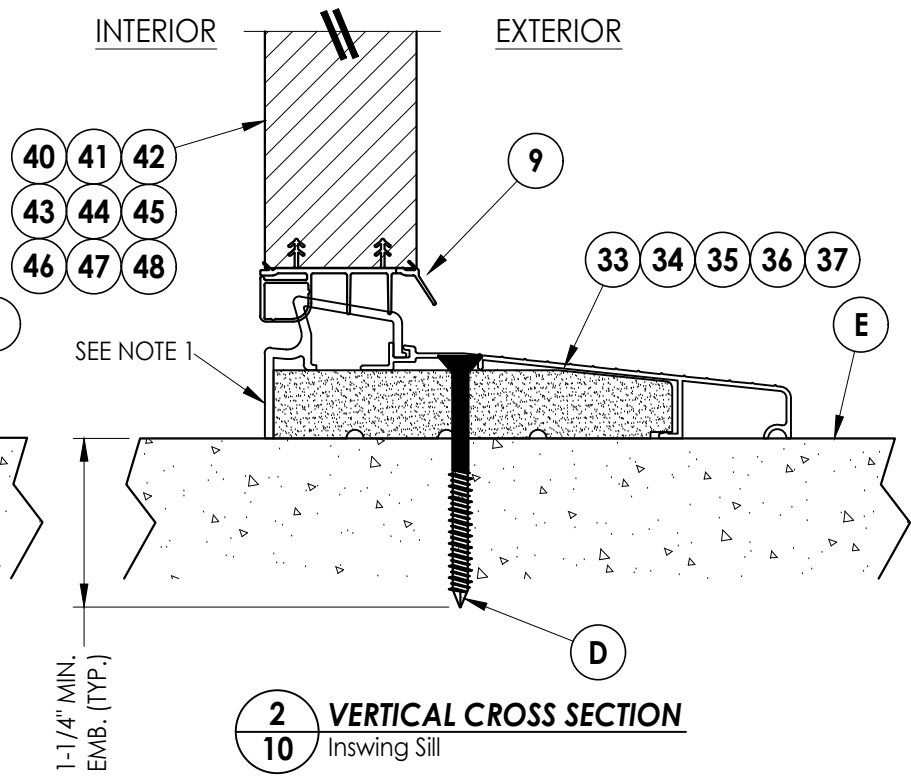
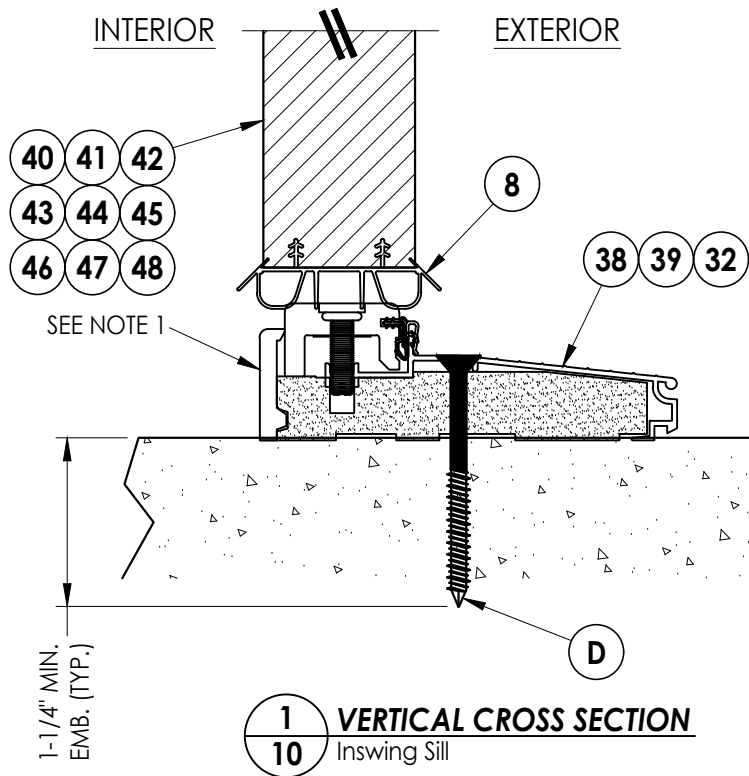
CHK. BY: LFS

DRAWING NO.:

FL-20461.16

SHEET 9 OF 16

- Notes:
- Sill Item #'s 17, 18, 32, 34, 35, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 16 & 33 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.
 - Sidelite assembly screws located 4" from each end (2 screws along 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)

LFS	FBC	DATE	REVISIONS
6	7/19/23	UPDATE TO 8TH ED. (2023)	
5	7/21/20	UPDATE TO 7th ED (2020)	
4	10/09/18	REV. DOOR PANEL OPTION NOTE	
3	11/15/17	RECESSED PANEL NOTATION	
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.	
1	7/7/17	UPDATE TO 6th ED (2017)	
NO.	DATE		

DATE: 6/1/16

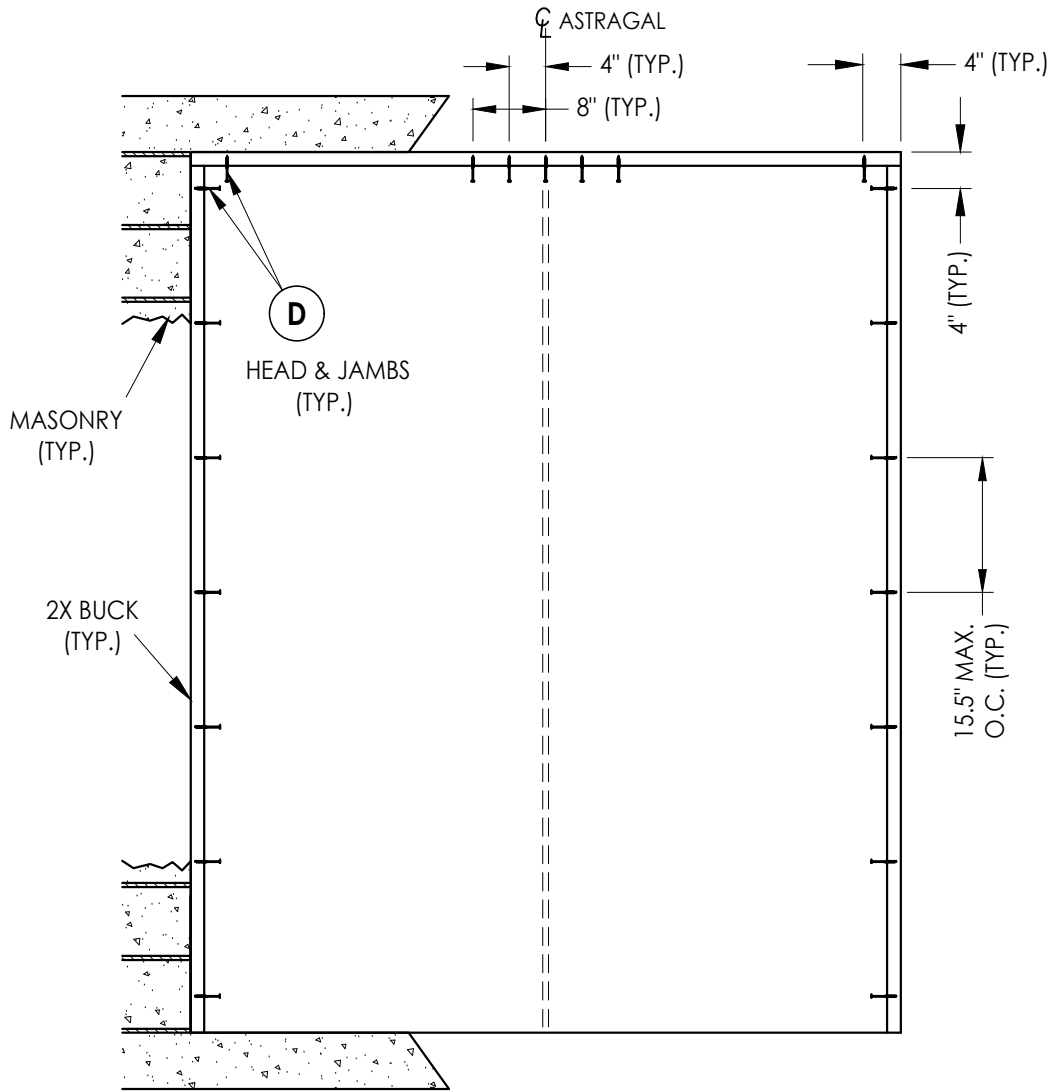
SCALE: N.T.S.

DWG. BY: JK

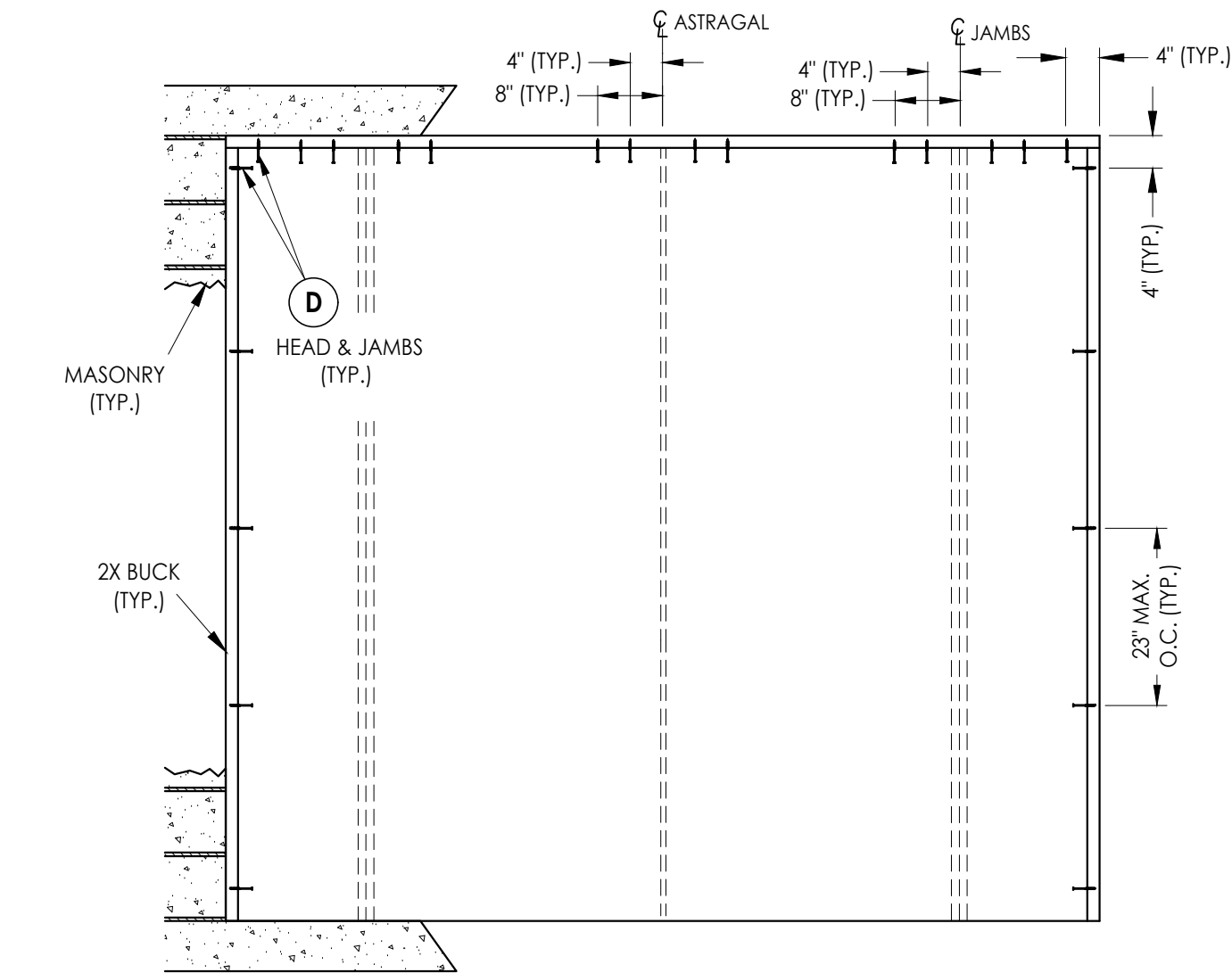
CHK. BY: LFS

DRAWING NO.:
FL-20461.16

SHEET 10 OF 16



XX



OXXO

2X BUCK ANCHORING

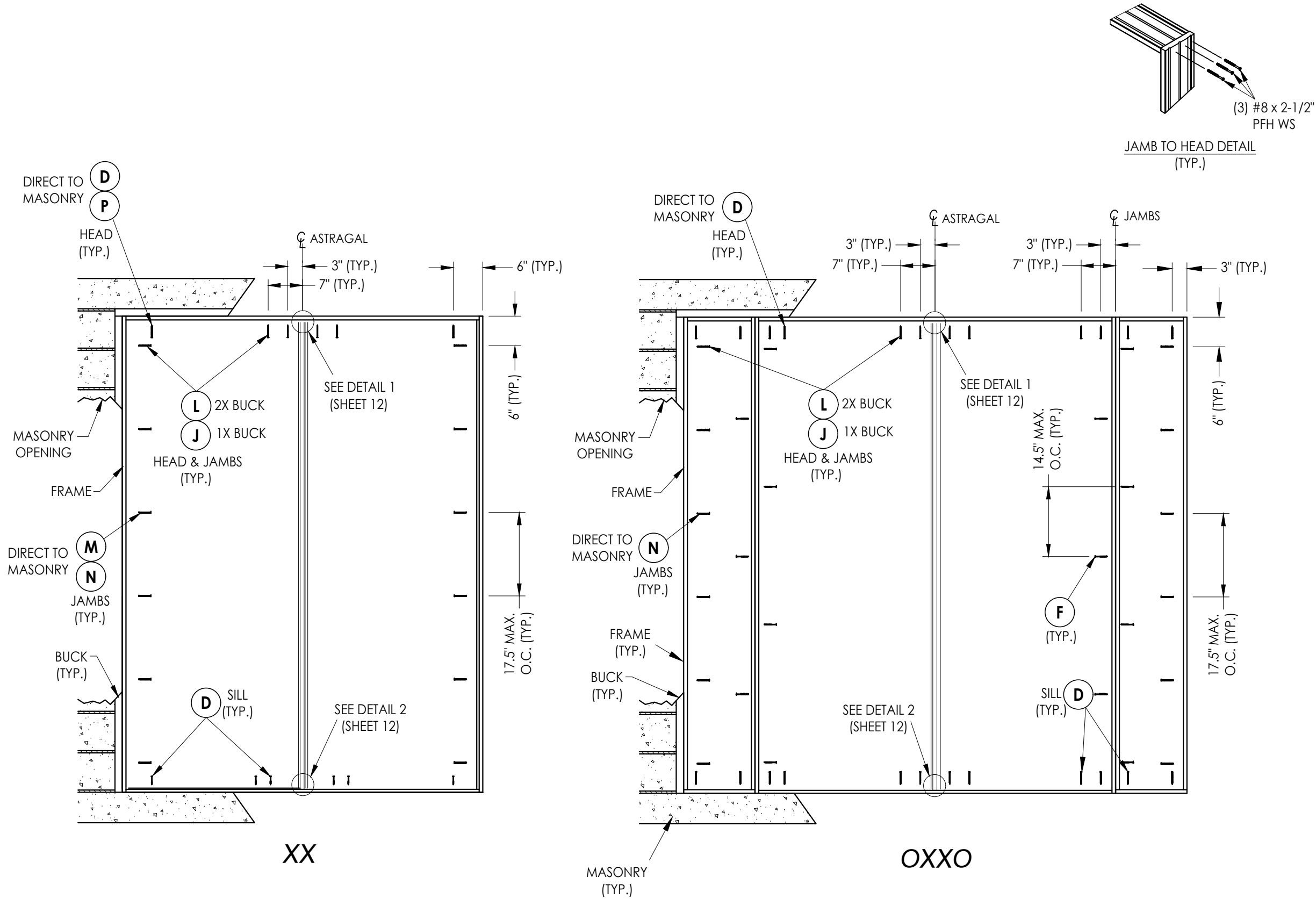
DATE:	6/1/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20461.16
SHEET	11 OF 16

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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

NO.	DATE	REVISIONS
6	7/19/23	UPDATE TO 8TH ED. (2023) FBC
5	7/21/20	UPDATE TO 7th ED (2020) FBC
4	10/09/18	REV. DOOR PANEL OPTION NOTE
3	11/15/17	RECESSED PANEL NOTATION
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.
1	7/7/17	UPDATE TO 6th ED (2017) FBC
NO.	DATE	BY

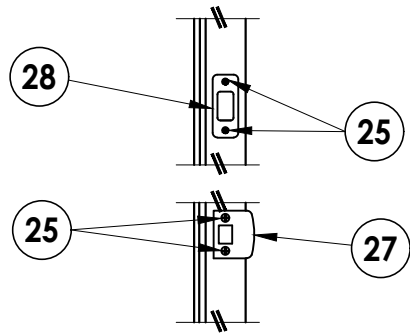
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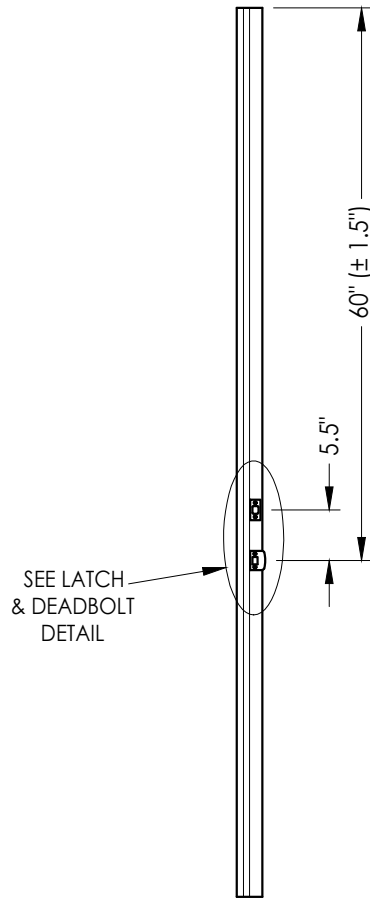
FRAME ANCHORING

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: FRAME ANCHORING		
6	7/19/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
5	7/21/20	UPDATE TO 7th ED (2020)	FBC	LFS
4	10/09/18	REV. DOOR PANEL OPTION NOTE	MT	JK
3	11/15/17	RECESSED PANEL NOTATION	JK	JK
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.	JK	JK
1	7/7/17	UPDATE TO 6th ED (2017)	FBC	JK
NO.	DATE			BY
REVISIONS				
DATE: 6/1/16				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-20461.16				
SHEET 12 OF 16				

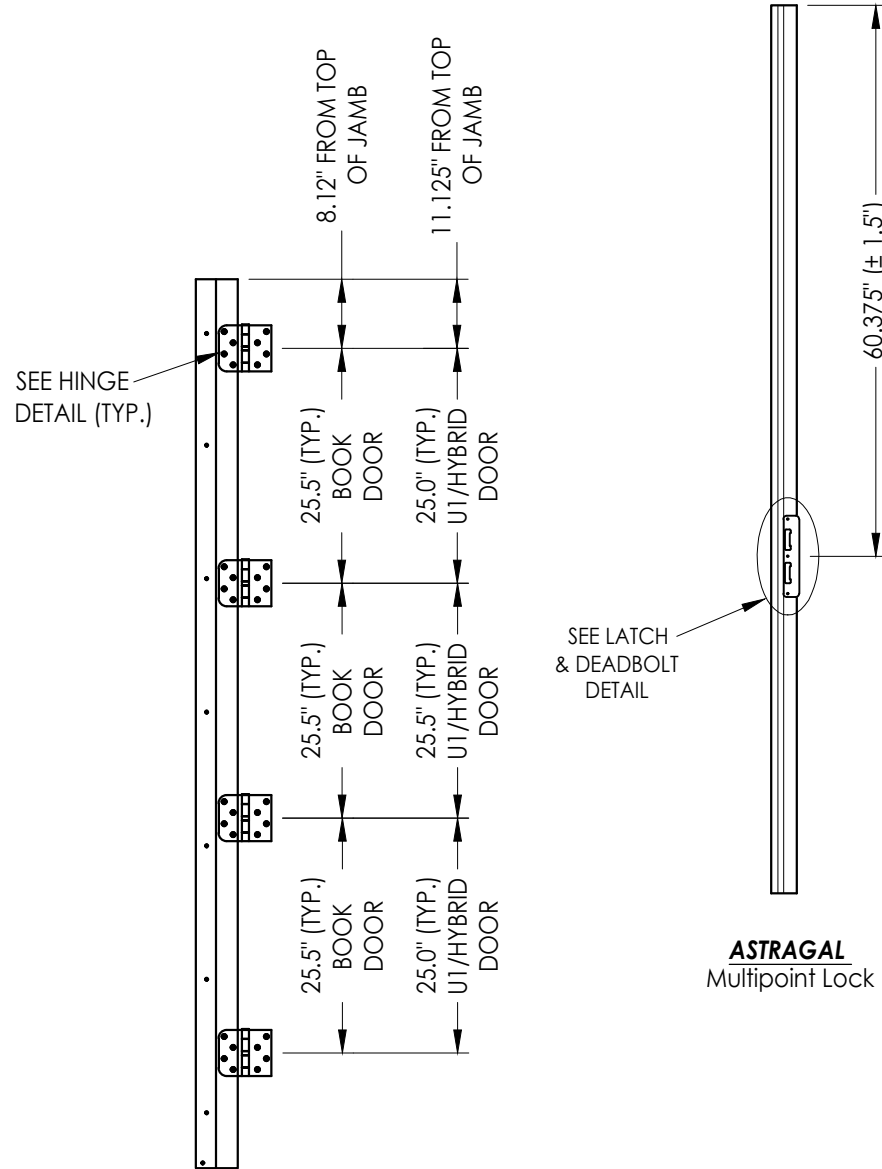
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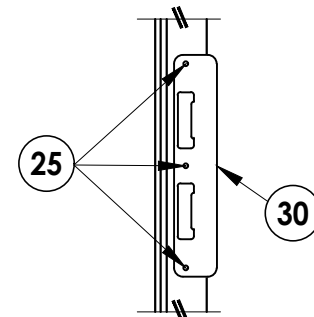
LATCH & DEADBOLT DETAIL
Schlage / Kwikset



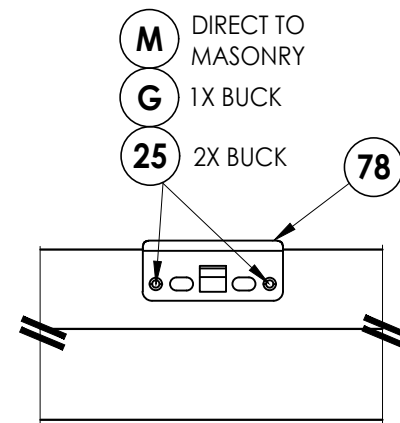
ASTRAGAL
Latch and Deadbolt



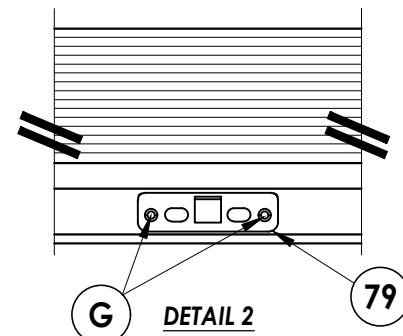
HINGE JAMB



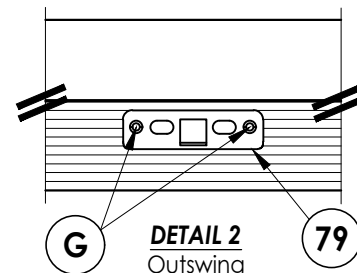
LATCH & DEADBOLT DETAIL
Multipoint Lock



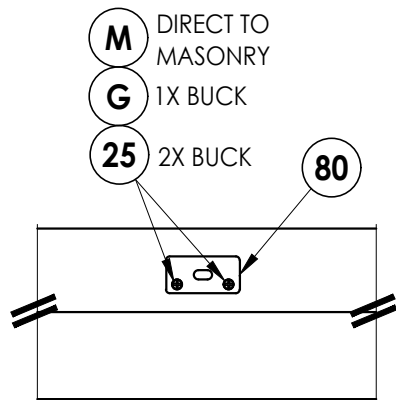
DETAIL 1
Multipoint Lock Strike Plate @ Head



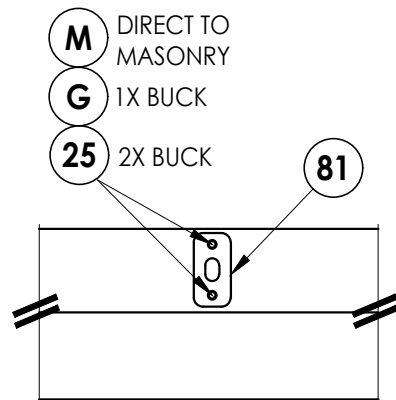
DETAIL 2
Inswing
Multipoint Lock Strike Plate @ Sill



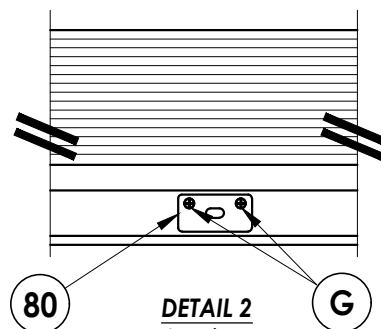
DETAIL 2
Outswing
Multipoint Lock Strike Plate @ Sill



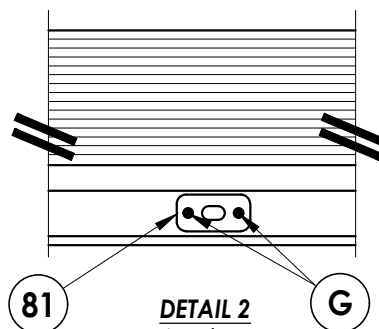
DETAIL 1
Coastal Astragal Strike Plate @ Head



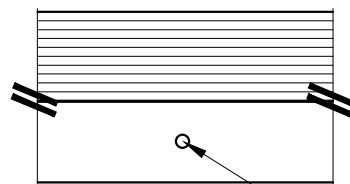
DETAIL 1
Standard Astragal Strike Plate @ Head



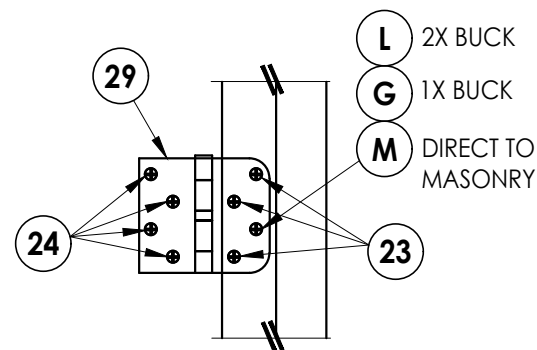
DETAIL 2
Inswing
Coastal Astragal Strike Plate @ Sill



DETAIL 2
Inswing
Standard Astragal Strike Plate @ Sill



DETAIL 2
Outswing
Astragal Bolt Hole @ Sill



HINGE DETAIL

LATCH & DEADBOLT STRIKE DETAILS

MULTIPOINT LOCK STRIKE DETAILS

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

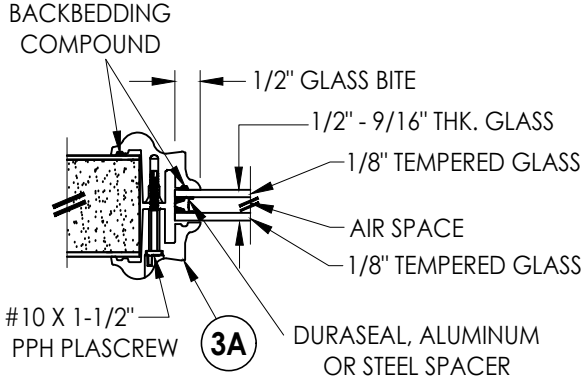
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HARDWARE DETAILS

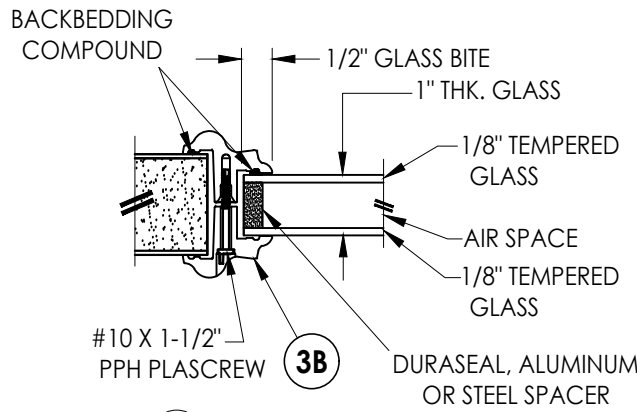
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

NO.	DATE	REVISIONS					
		LFS	FBC	FBC	MT	JK	BY
6	7/19/23	UPDATE TO 8TH ED. (2023)	FBC				
5	7/21/20	UPDATE TO 7th ED (2020)	FBC				
4	10/09/18	REV. DOOR PANEL OPTION NOTE					
3	11/15/17	RECESSED PANEL NOTATION					
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.					
1	7/7/17	UPDATE TO 6th ED (2017)	FBC				
DATE:		6/1/16					
SCALE:		N.T.S.					
DWG. BY:		JK					
CHK. BY:		LFS					
DRAWING NO.:		FL-20461.16					
SHEET		13 OF 16					

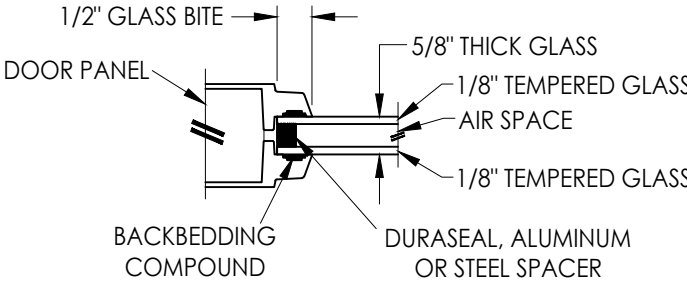
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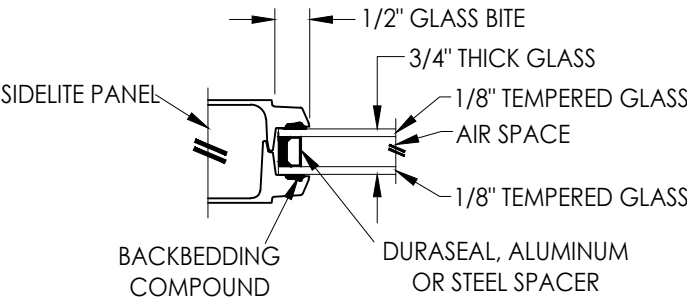
G1 GLAZING DETAIL
BTS Lite Frame
Door Panels & Sidelites



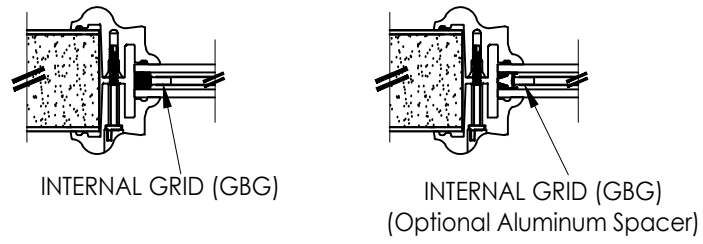
G2 GLAZING DETAIL
BTS Lite Frame
Door Panels & Sidelites



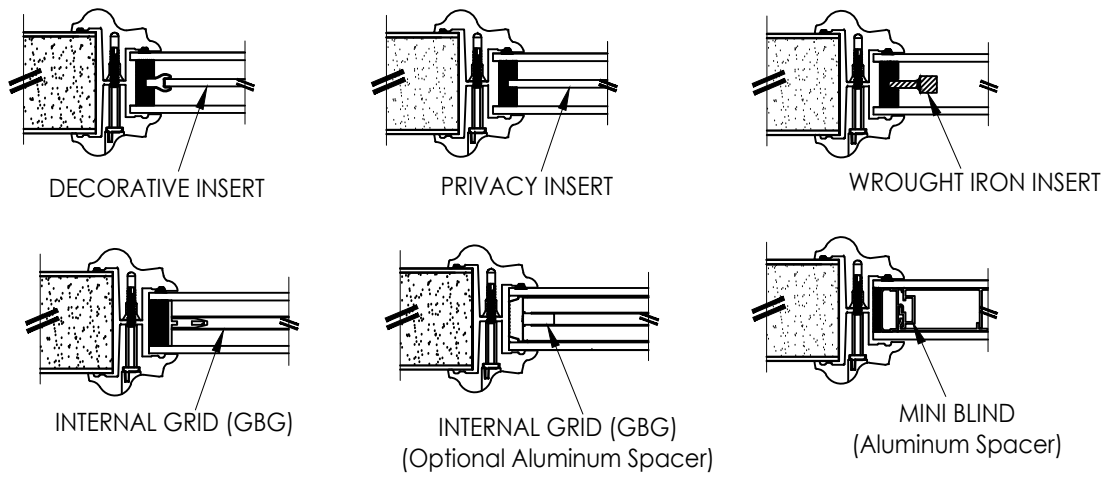
G3 GLAZING DETAIL
Flush Glazing
Door Panels



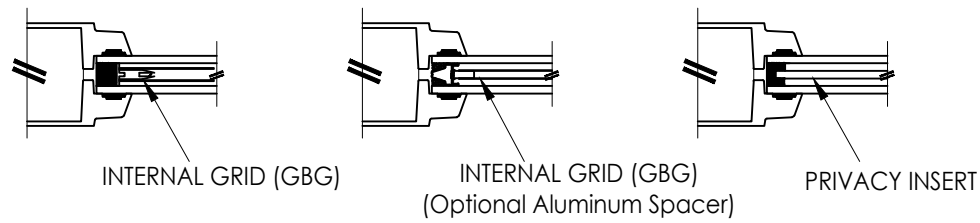
G4 GLAZING DETAIL
Flush Glazing
Sidelites



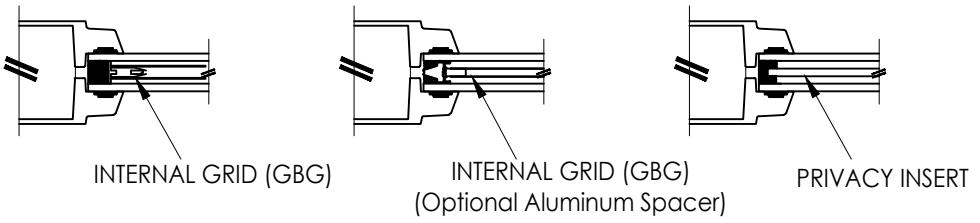
9/16" INSULATED GLASS INSERT OPTIONS



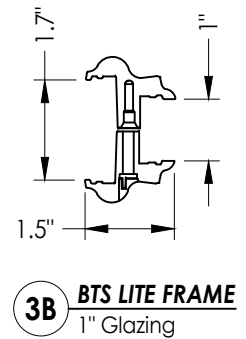
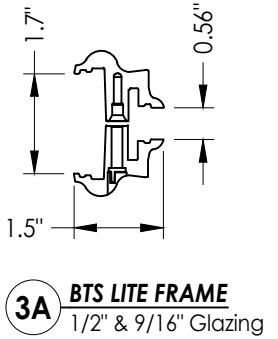
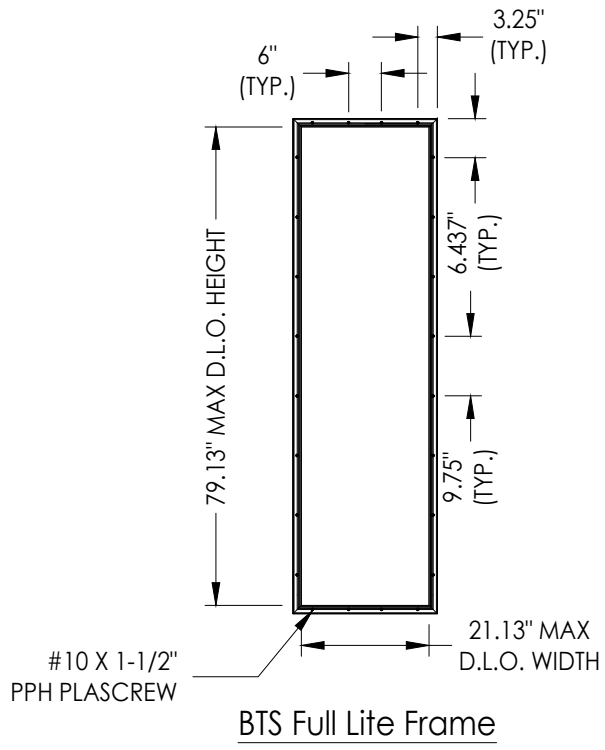
1" INSULATED GLASS INSERT OPTIONS



5/8" INSULATED GLASS INSERT OPTIONS



5/8" INSULATED 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

LFS	FBC	UPDATE TO 8TH ED. (2023)	DATE
6	7/19/23	UPDATE TO 8TH ED. (2023)	6/1/16
5	7/21/20	UPDATE TO 7th ED (2020)	
4	10/09/18	REV. DOOR PANEL OPTION NOTE	
3	11/15/17	RECESSED PANEL NOTATION	
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.	
1	7/7/17	UPDATE TO 6th ED (2017)	
NO.	DATE	REVISIONS	

DATE: 6/1/16

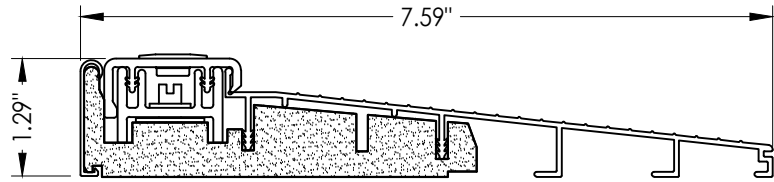
SCALE: N.T.S.

DWG. BY: JK

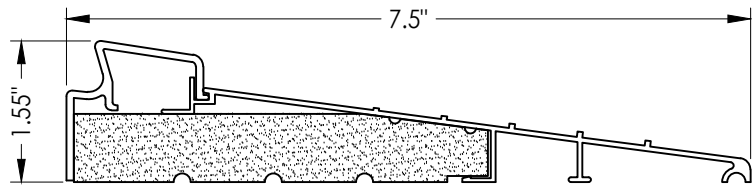
CHK. BY: LFS

DRAWING NO.: FL-20461.16

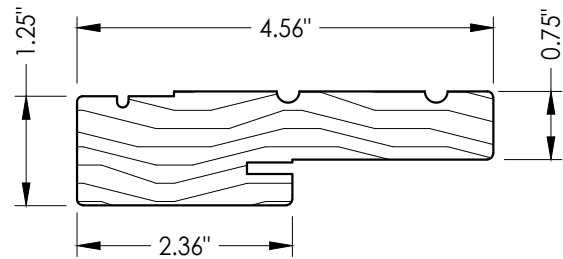
SHEET 14 OF 16



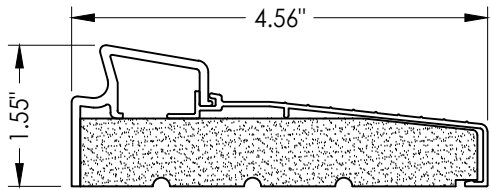
32 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill 7-1/2"



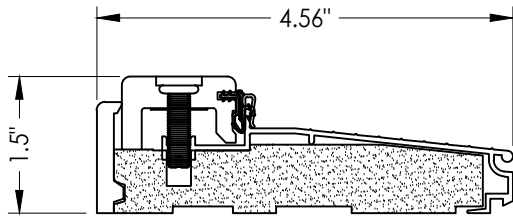
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



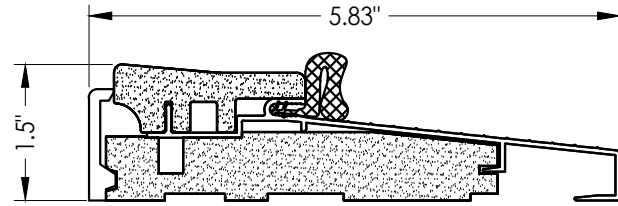
1 WOOD JAMB



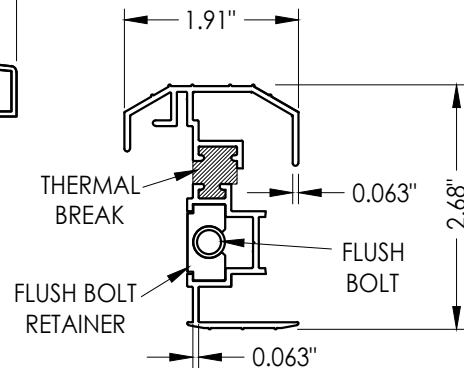
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



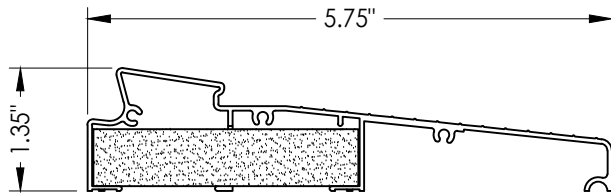
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



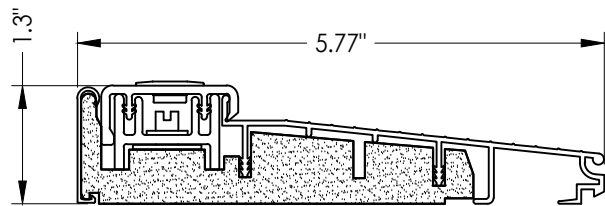
16 OUTSWING THRESHOLD
Composite Sill



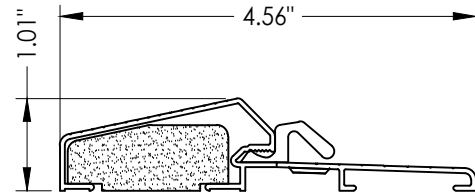
19 STANDARD ALUMINUM ASTRAGAL



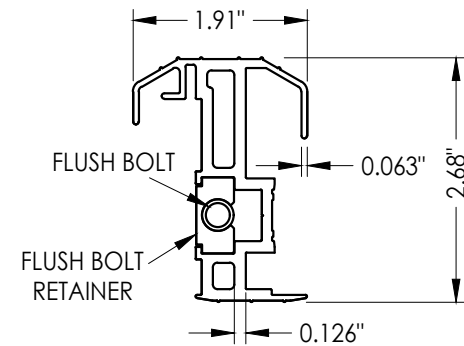
34 INSWING THRESHOLD
Inswing Moderate Climate Sill 1-3/8"



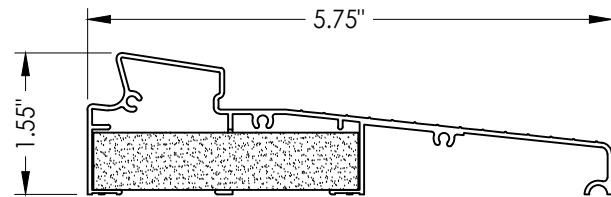
39 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill



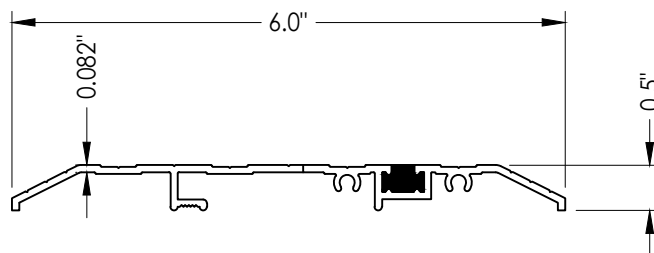
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



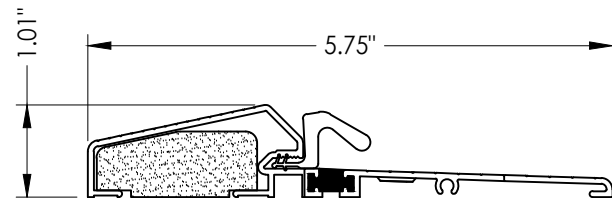
20 COASTAL ALUMINUM ASTRAGAL



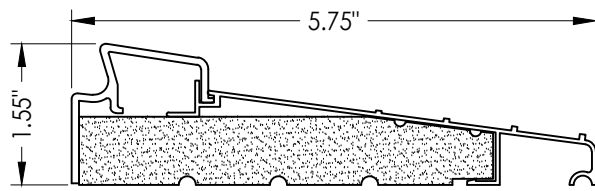
35 INSWING THRESHOLD
Inswing Moderate Climate Sill



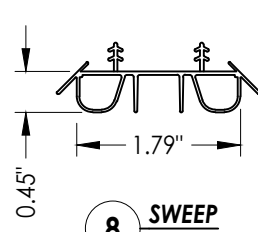
15 PUBLIC ACCESS THRESHOLD



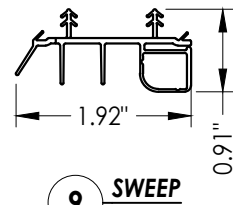
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



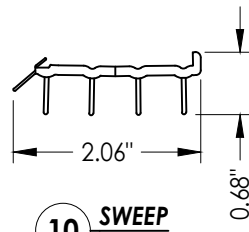
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



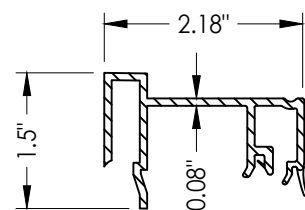
8 SWEEP



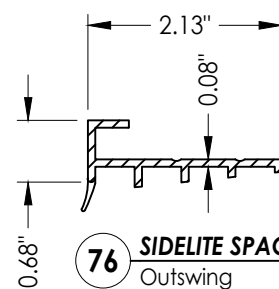
9 SWEEP



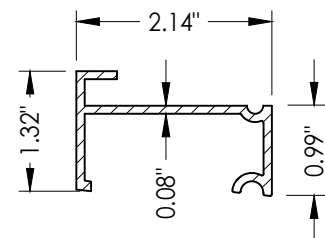
10 SWEEP



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

LFS	FBC	FBC	MT	JK	JK	BY
6	7/19/23	UPDATE TO 8TH ED. (2023)	REV. DOOR PANEL OPTION	RECESSED PANEL NOTATION	ADD DEADBOLT 5-1/2" O. C.	UPDATE TO 6th ED (2017)
5	7/21/20	UPDATE TO 7th ED (2020)				
4	10/09/18	REV. DOOR PANEL OPTION				
3	11/15/17	RECESSED PANEL NOTATION				
2	10/15/17	ADD DEADBOLT 5-1/2" O. C.				
1	7/7/17	UPDATE TO 6th ED (2017)				
NO.	DATE	REVISIONS				

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20461.16

SHEET 15 OF 16

Z:\2023 FBC Drawings\Therma-Tru\FL-20461 R9\FL-20461.14-16.dwg

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
F	#10 X 2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	#8 x 3" PFH WOOD 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
P	1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW	STEEL
Q	3/16" X 3-3/4" ITW CONCRETE SCREW	STEEL
1	JAMB (FINGER JOINT PINE)	WOOD
6	WEATHERSTRIP (MEDIUM REACH)	FOAM
7	WEATHERSTRIP (LONG REACH)	FOAM
8	SWEEP	VINYL
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
11	#10 X 1-3/4" PFH WOOD SCREW	STEEL
15	PUBLIC ACCESS THRESHOLD	ALUM
16	OUTSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP
19	STANDARD ALUMINUM ASTRAGAL	ALUM
20	COASTAL ALUMINUM ASTRAGAL	ALUM
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL
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	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD	ALUM/COMP
34	INSWING THRESHOLD	ALUM/COMP
35	INSWING THRESHOLD	ALUM/COMP
36	INSWING THRESHOLD	ALUM/COMP
37	INSWING THRESHOLD	ALUM/COMP

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
38	INSWING THRESHOLD	ALUM/COMP
39	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
43	FLUSH GLAZED DOOR PANEL (BOOK)	-
44	FLUSH GLAZED DOOR PANEL (HYBRID)	-
45	FLUSH GLAZED DOOR PANEL (U1)	-
46	3/4 FLUSH GLAZED DOOR PANEL (BOOK)	-
47	3/4 FLUSH GLAZED DOOR PANEL (HYBRID)	-
48	3/4 FLUSH GLAZED DOOR PANEL (U1)	-
50	SIDELITE (FULL LITE)	-
61	IVES #454 SURFACE BOLT (8" LONG)	STEEL
62	SURFACE BOLT STRIKE PLATE (INSWING)	STEEL
63	#10 x 2" PFH WOOD SCREW	STEEL
64	SURFACE BOLT STRIKE PLATE (OUTSWING)	STEEL
75	SIDELITE SPACER (INSWING)	PVC
76	SIDELITE SPACER (OUTSWING)	PVC
77	SIDELITE SPACER (INSWING) - MODERATE CLIMATE SILL	PVC
78	MULTIPOINT LOCK STRIKE PLATE @ HEAD	STEEL
79	MULTIPOINT LOCK STRIKE PLATE @ SILL	STEEL
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL
81	STANDARD ASTRAGAL STRIKE PLATE	STEEL

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:
BILL OF MATERIALS

67/19/23UPDATE TO 8TH ED. (2023) FBC

57/21/20UPDATE TO 7th ED (2020) FBC

410/09/18REV. DOOR PANEL OPTION NOTE

311/15/17RECESSED PANEL NOTATION

210/15/17ADD DEADBOLT 5-1/2" O. C.

17/7/17UPDATE TO 6th ED (2017) FBC

NO. DATE

REVISIONS

DATE: 6/1/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20461.16

SHEET 16 OF 16

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