



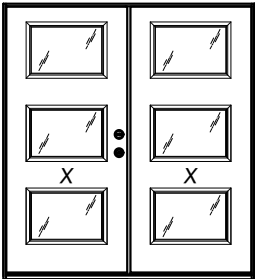
Fiber-Classic® & Smooth-Star®

WOOD OR COMPOSITE EDGE
MULTI-LITE GLAZED FIBERGLASS DOUBLE DOOR
w/ or w/out SIDELITES
INSWING/OUTSWING
"IMPACT"

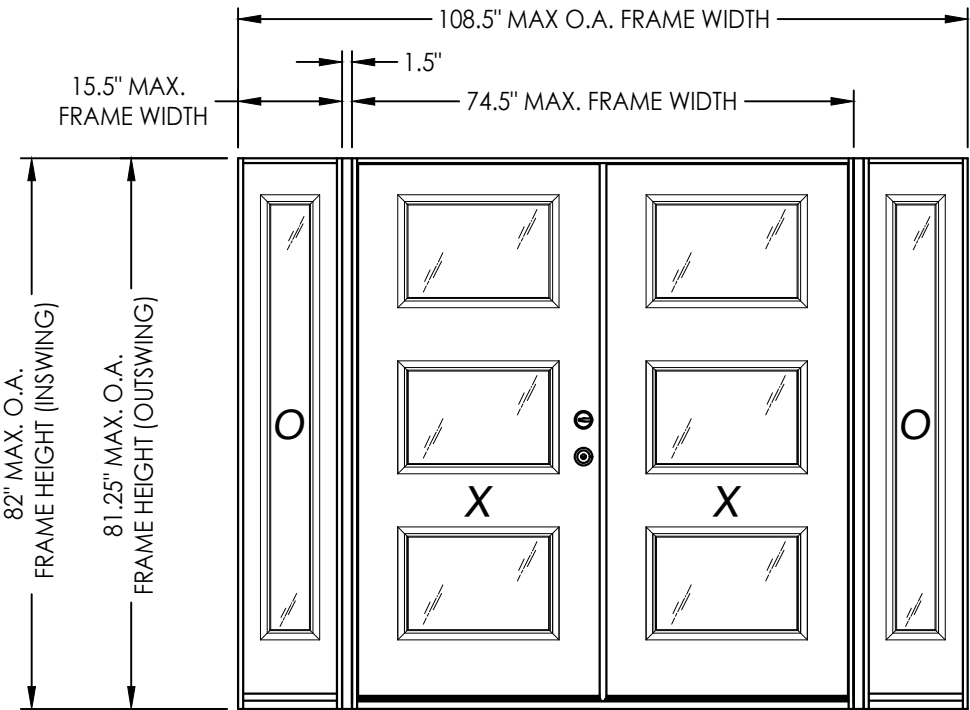
GENERAL NOTES

1. This product evaluation drawing has been developed in compliance with the 9th Edition (2026) Florida Building Code (FBC) including 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 the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. 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.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product meets the water infiltration requirements for the "HVHZ".
8. Outswing configurations using Coastal Sill (item #36) 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.

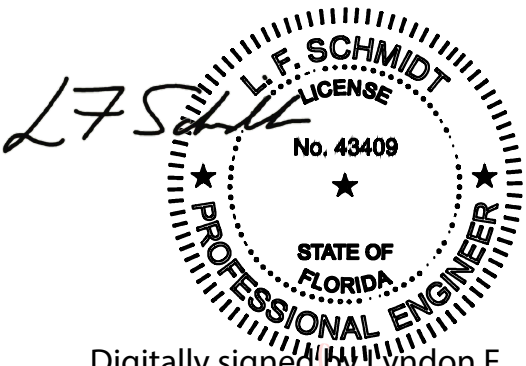
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2	Door Panel Details	9	Buck Anchoring
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5	Horizontal & Vertical Cross Sections (2X Buck)	12	Glazing Details
6	Horizontal & Vertical Cross Sections (1X Buck)	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (Direct to Masonry)		



XX



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	+60.0	-65.0	+60.0	-60.0

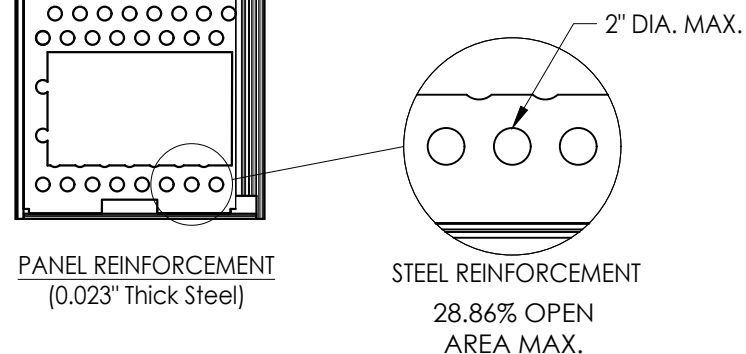
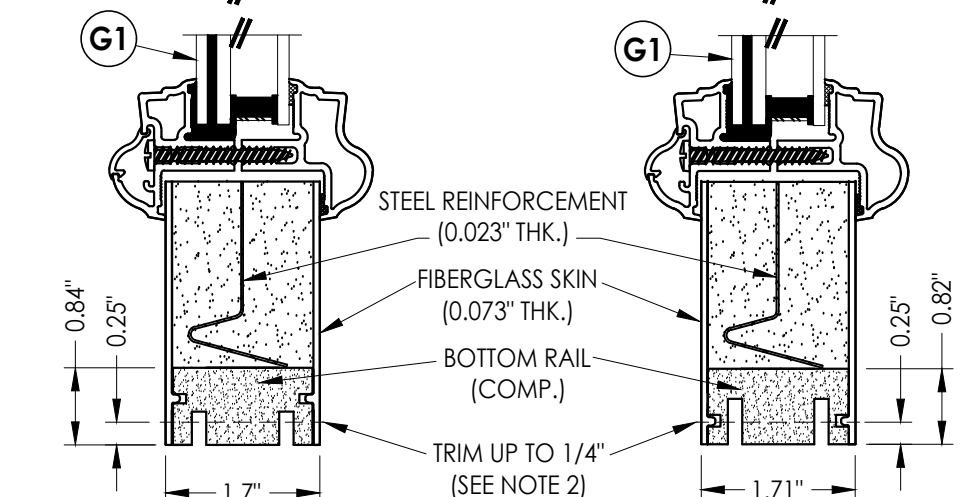
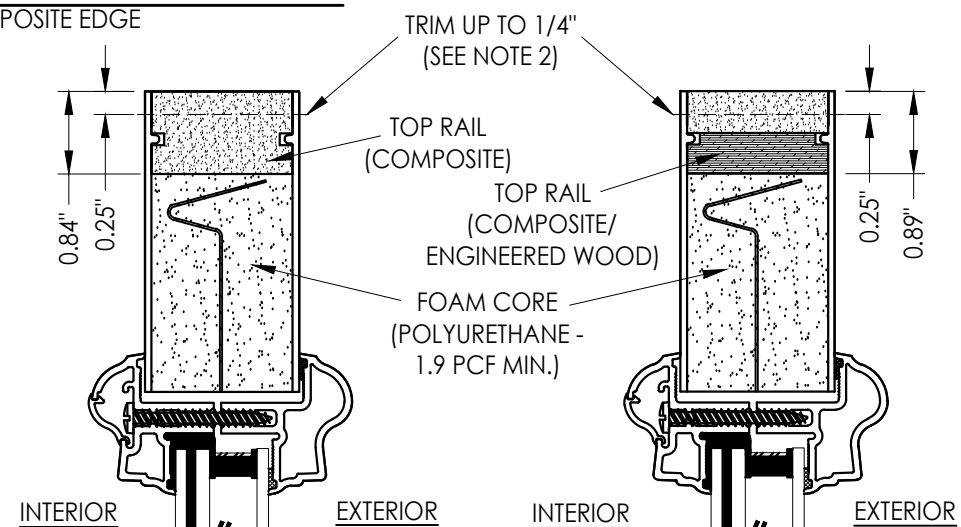
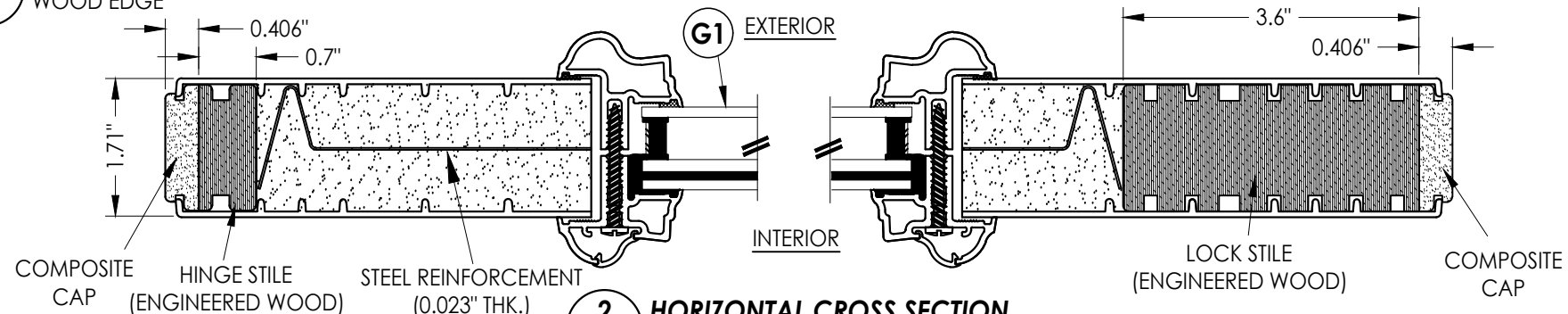
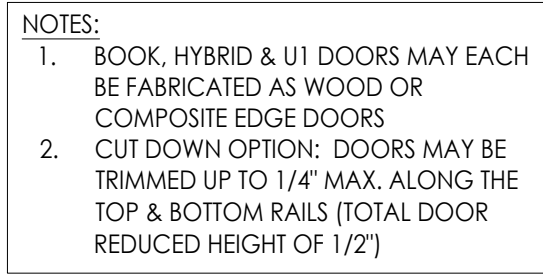


Digitally signed by Lyndon F
Schmidt
Date: 2026.08.10 09:35:09 -04'00'

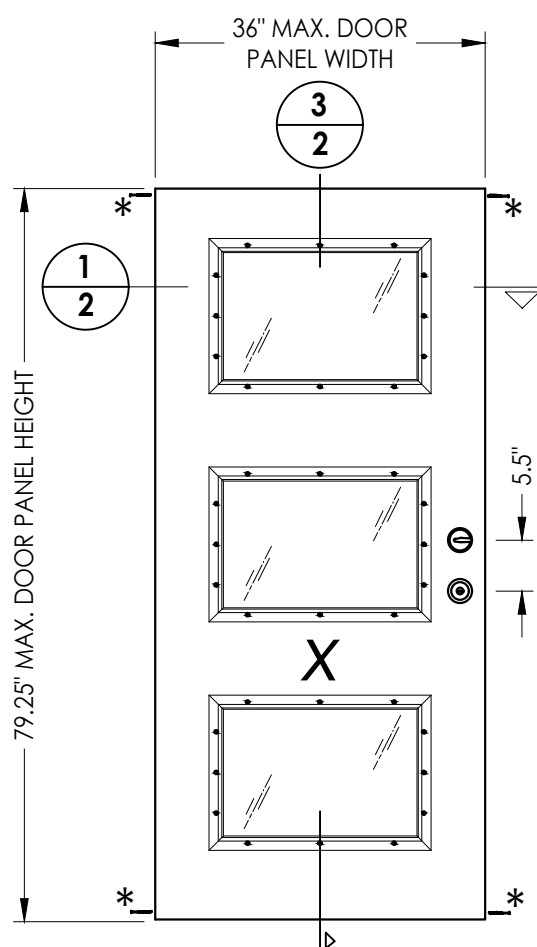
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

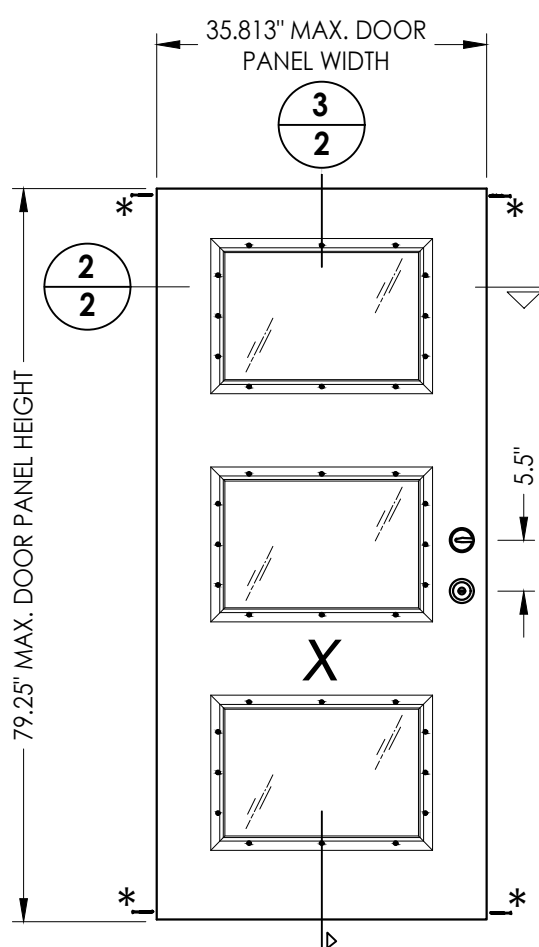
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
4	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS
3	7/27/23	UPDATE TO 8TH ED. (2023)	FBC
2	7/23/20	UPDATE TO 7TH ED (2020)	FBC
1	5/20/20	ADD DOOR CUT DOWN OPTION	LFS
NO.	DATE		BY
		REVISIONS	
DATE: 10/01/19			
SCALE: N.T.S.			
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:		FL-30482.3	
SHEET	1	OF	13



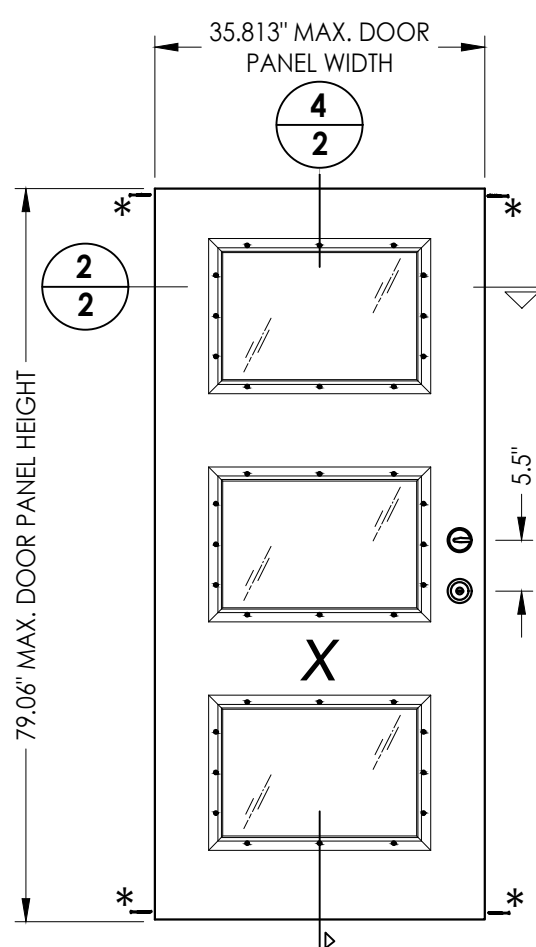
* #8 X 2.5" PFH WS (TYP. @ EACH DOOR CORNER)



40 DOOR PANEL
BOOK



41 **DOOR PANEL**
Hybrid Door



42 **DOOR PANEL**
U1 Door

[illegible]

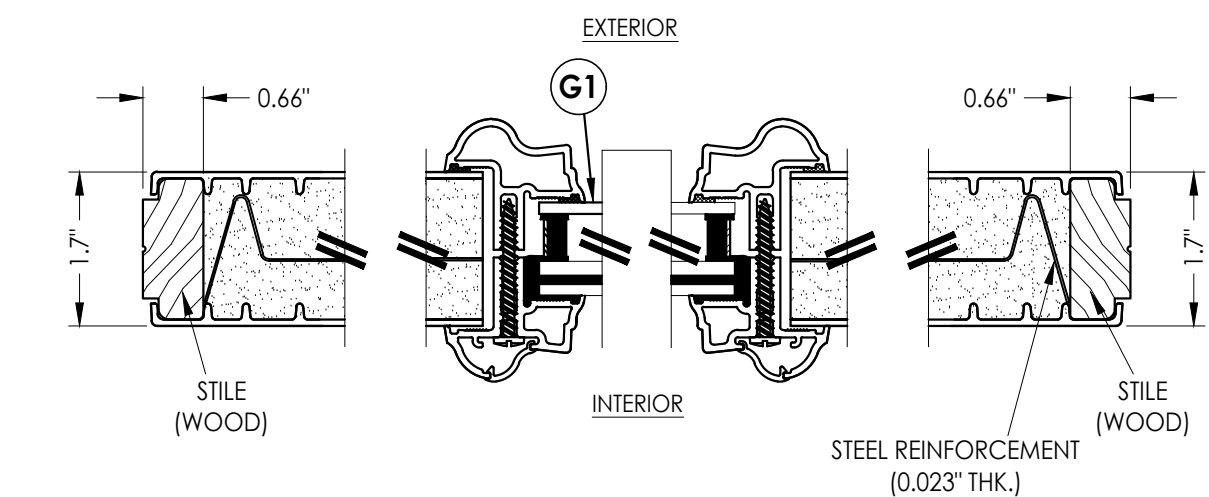
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

Building Consultants, Inc.

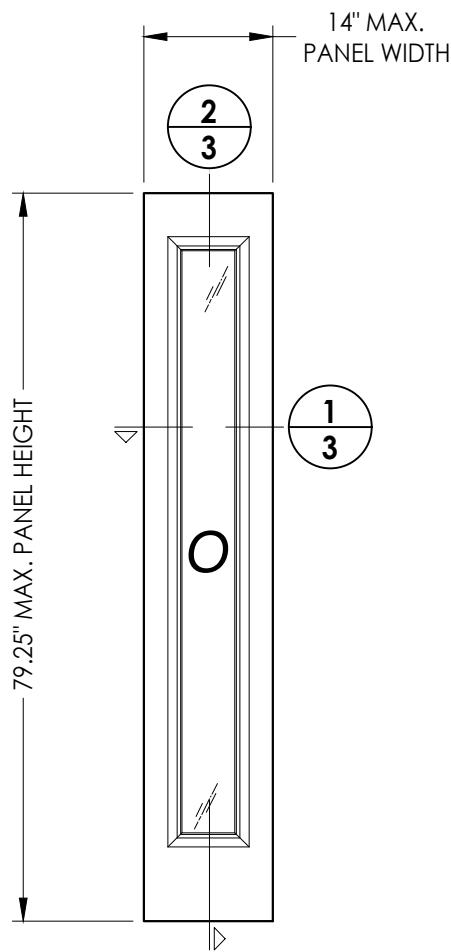
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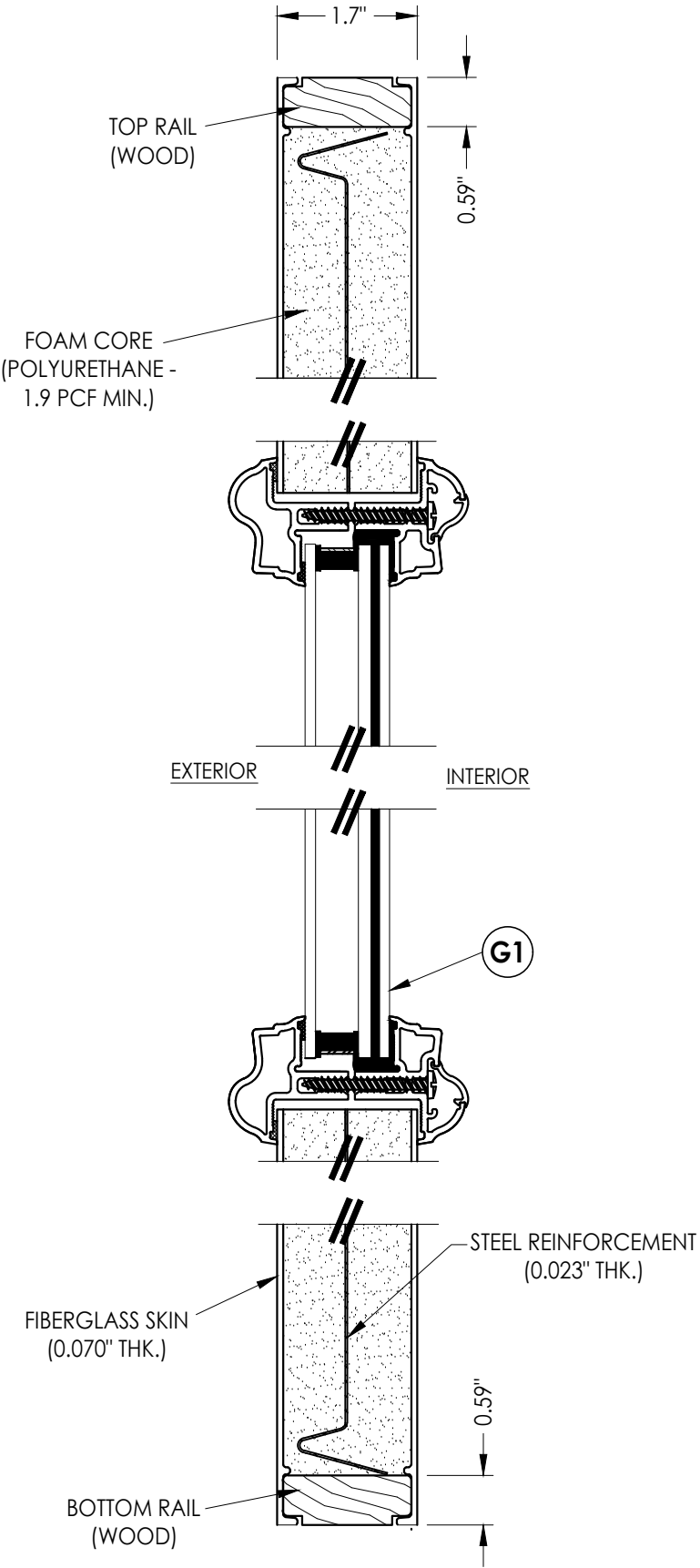
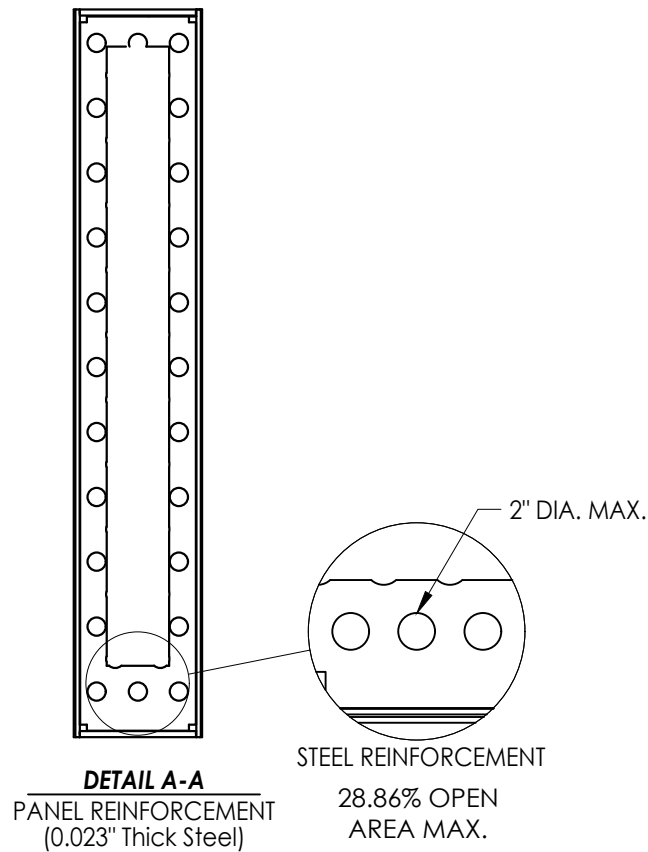
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1
3 HORIZONTAL CROSS SECTION



50 SIDELITE PANEL



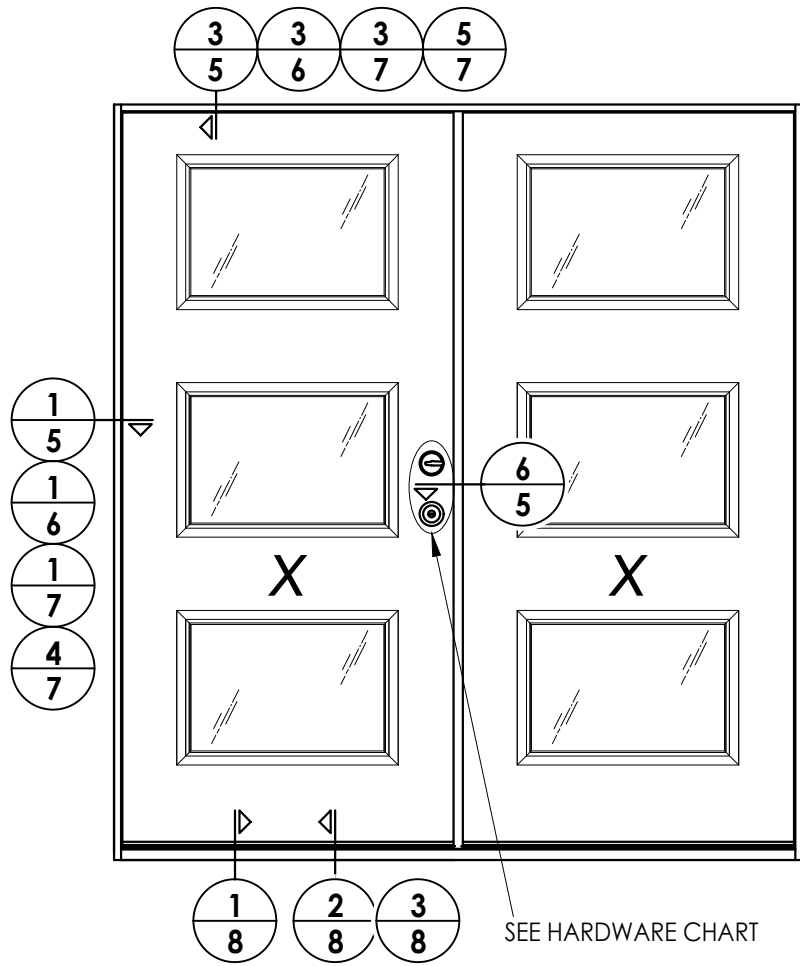
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3 VERTICAL CROSS SECTION

DATE:		10/01/19
SCALE:		N.T.S.
DWG. BY:		RW
CHK. BY:		LFS
DRAWING NO.:		FL-30482.3
SHEET		3 OF 13

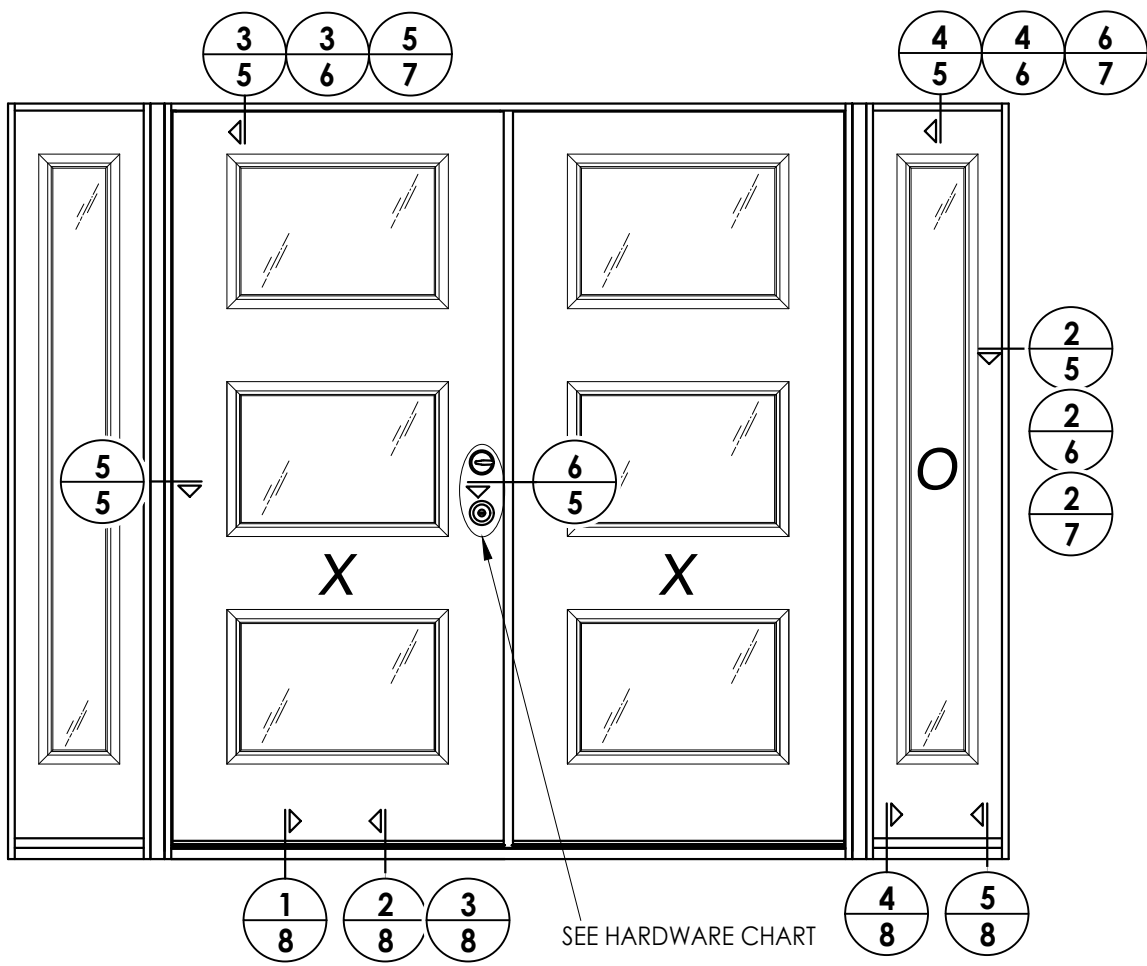
PRODUCT:		THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS

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 License No. 9813

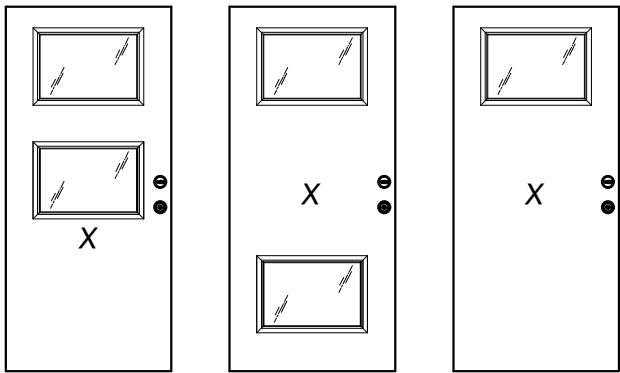
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ELEVATION
XX



ELEVATION
OXXO

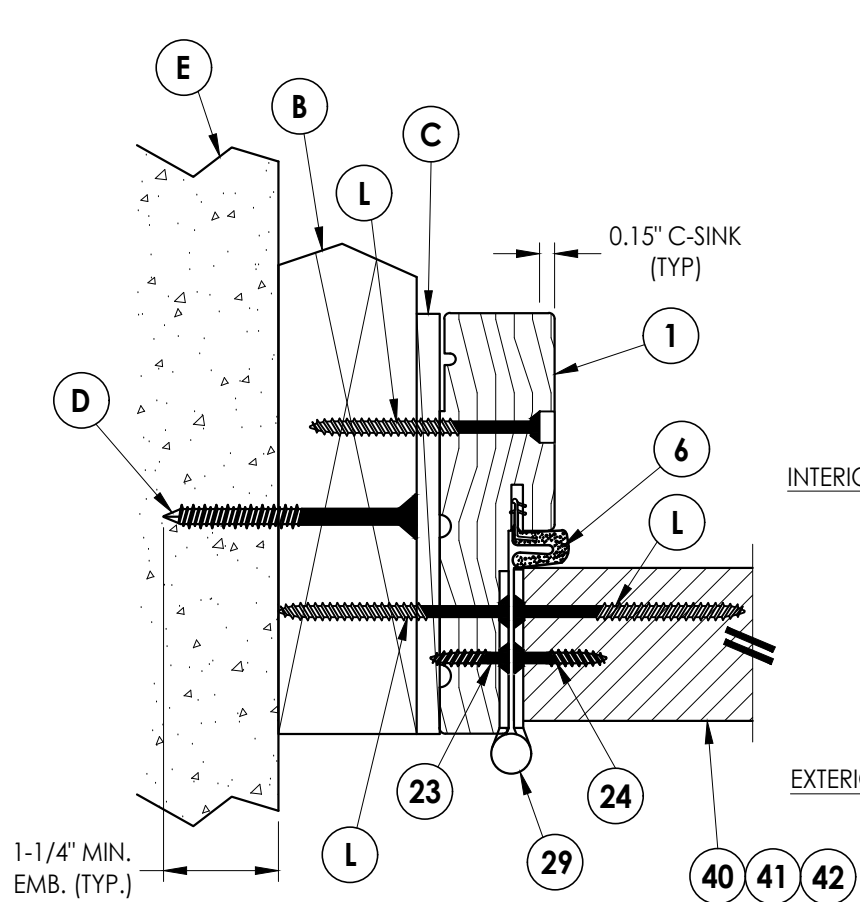


Fiber-Classic/Smooth-Star Door Panel Options

Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

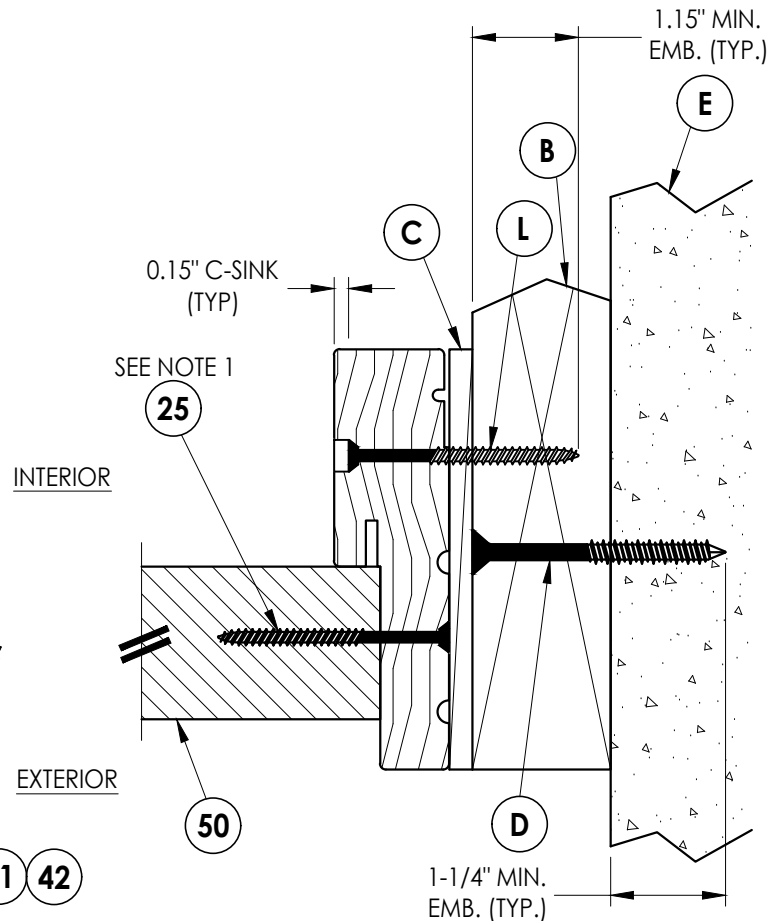
HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	Knob: F51 Deadbolt: B60
Kwikset	Knob: SIGNATURE SERIES Deadbolt: SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGSB (3 pt. Manual Shootbolt)

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: ELEVATIONS		RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
4	6/16/25	REVISE DIRECT TO MASONRY INST.		LFS			
3	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
2	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS			
1	5/20/20	ADD DOOR CUT DOWN OPTION		LFS			
NO.	DATE			BY			
REVISIONS							
DATE: 10/01/19							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-30482.3							
SHEET 4 OF 13							



1 **HORIZONTAL CROSS SECTION**

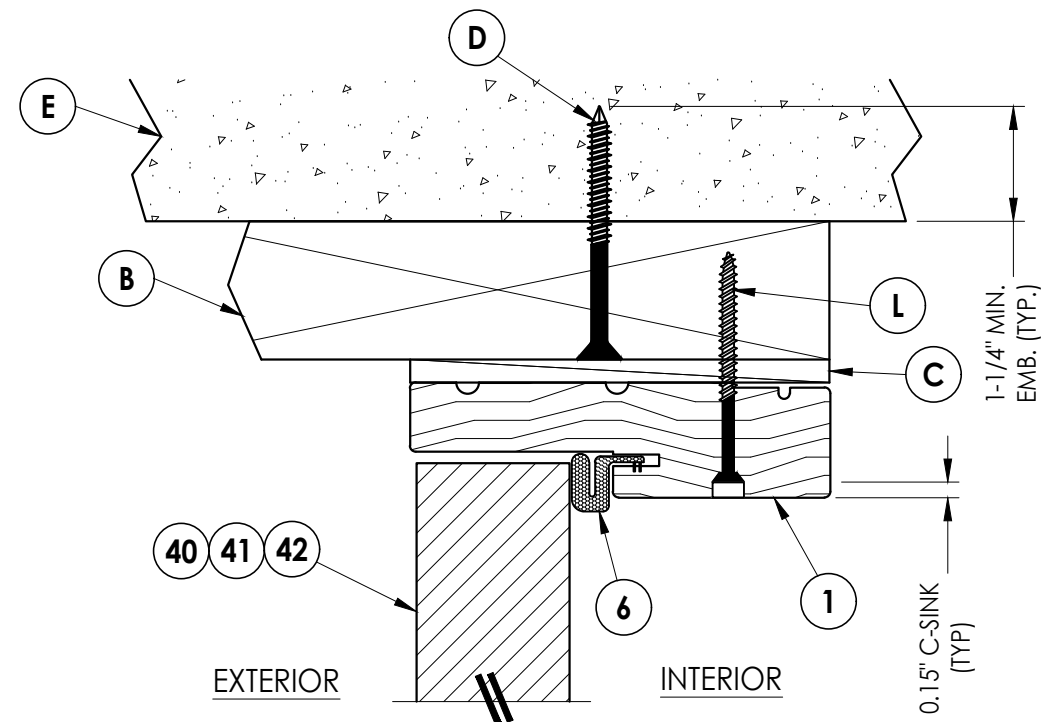
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



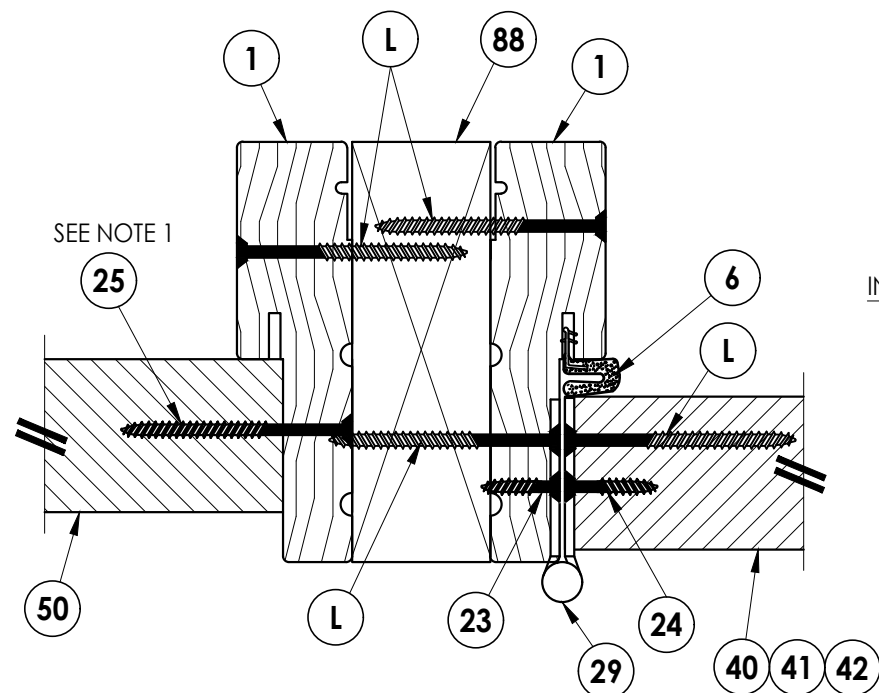
2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
 Outswing shown (Inswing similar)

Note:

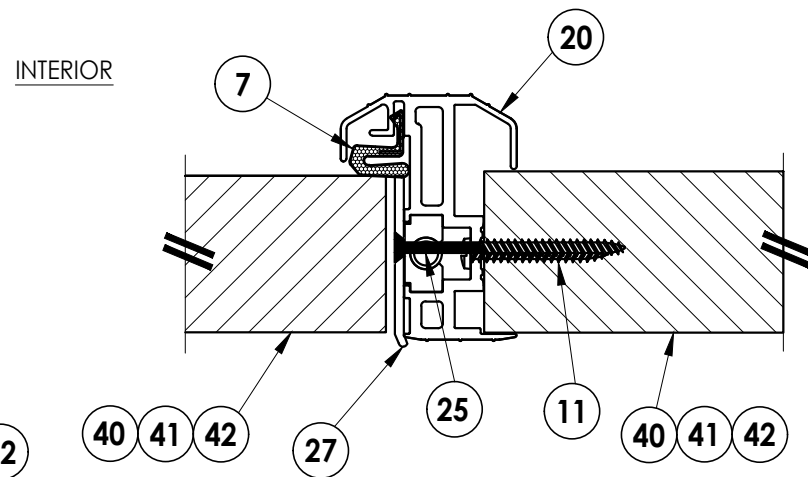
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).



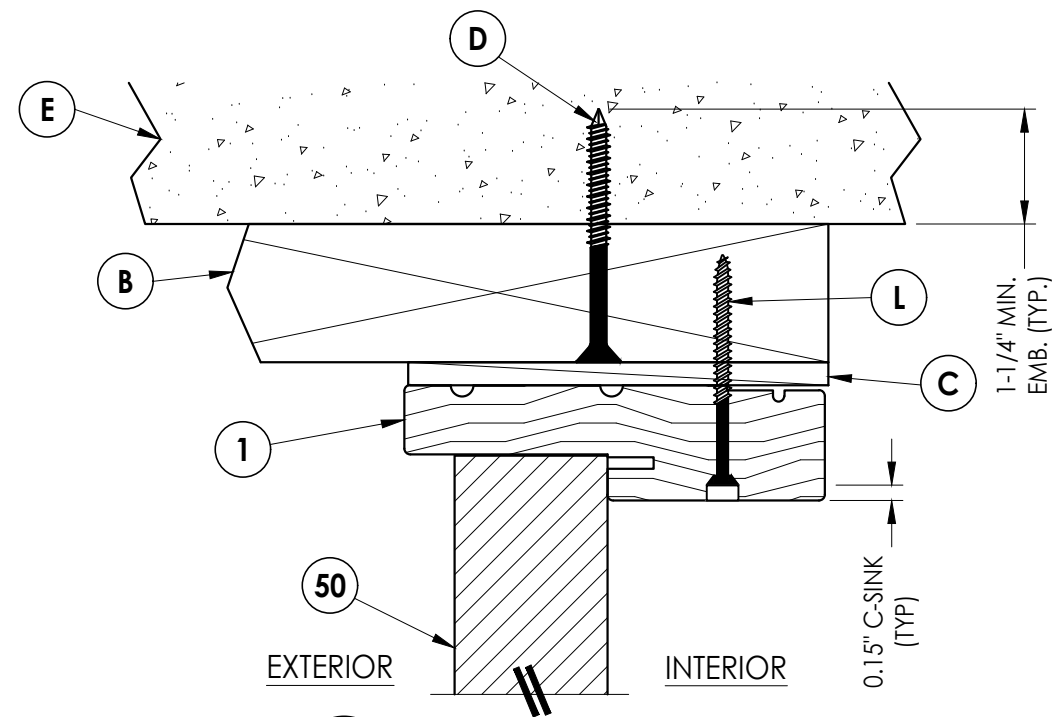
3 **VERTICAL CROSS SECTION**
5 Shown w/ 2X Buck
 Outswing shown (Inswing similar)



5 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



6 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



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

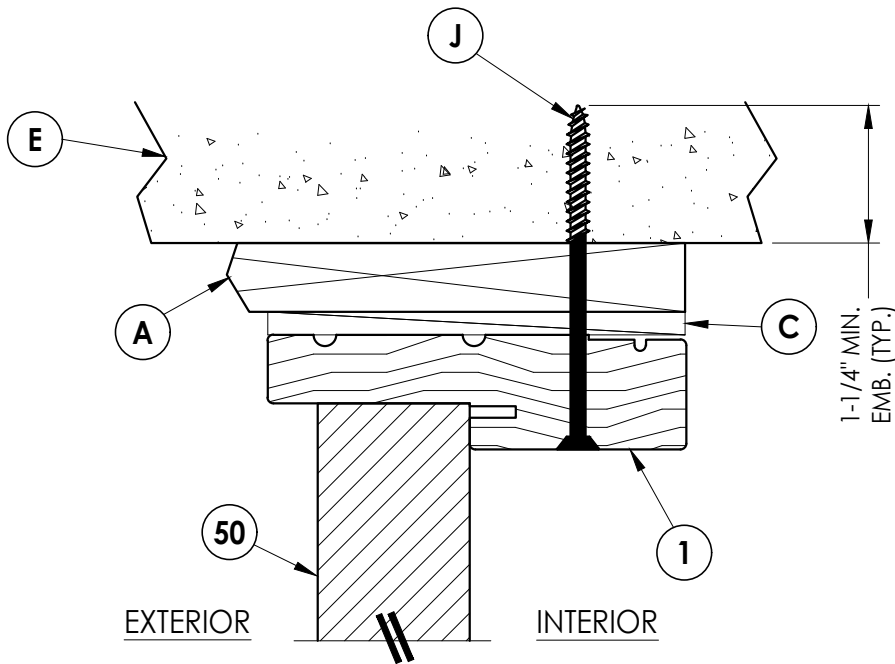
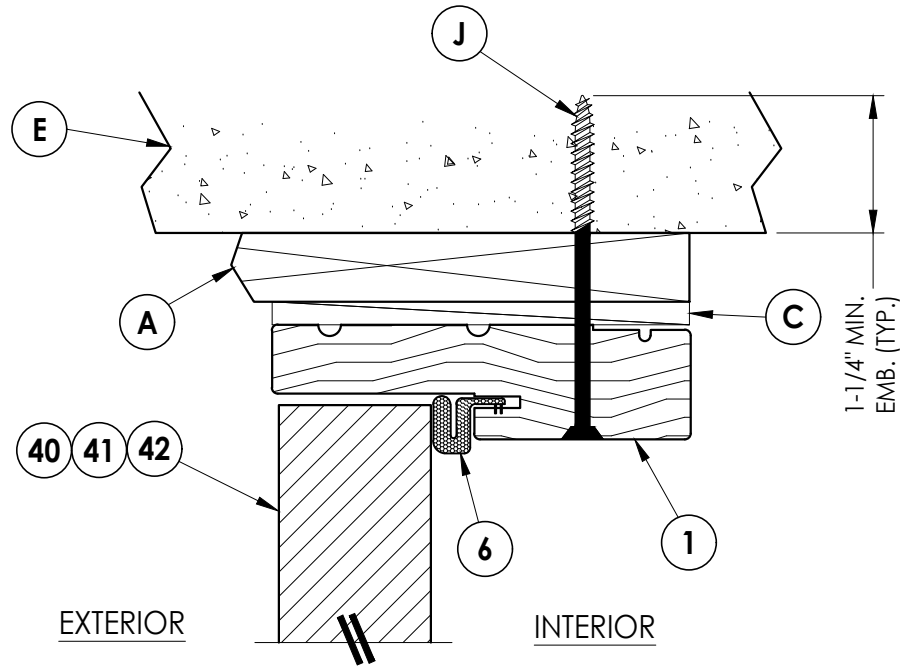
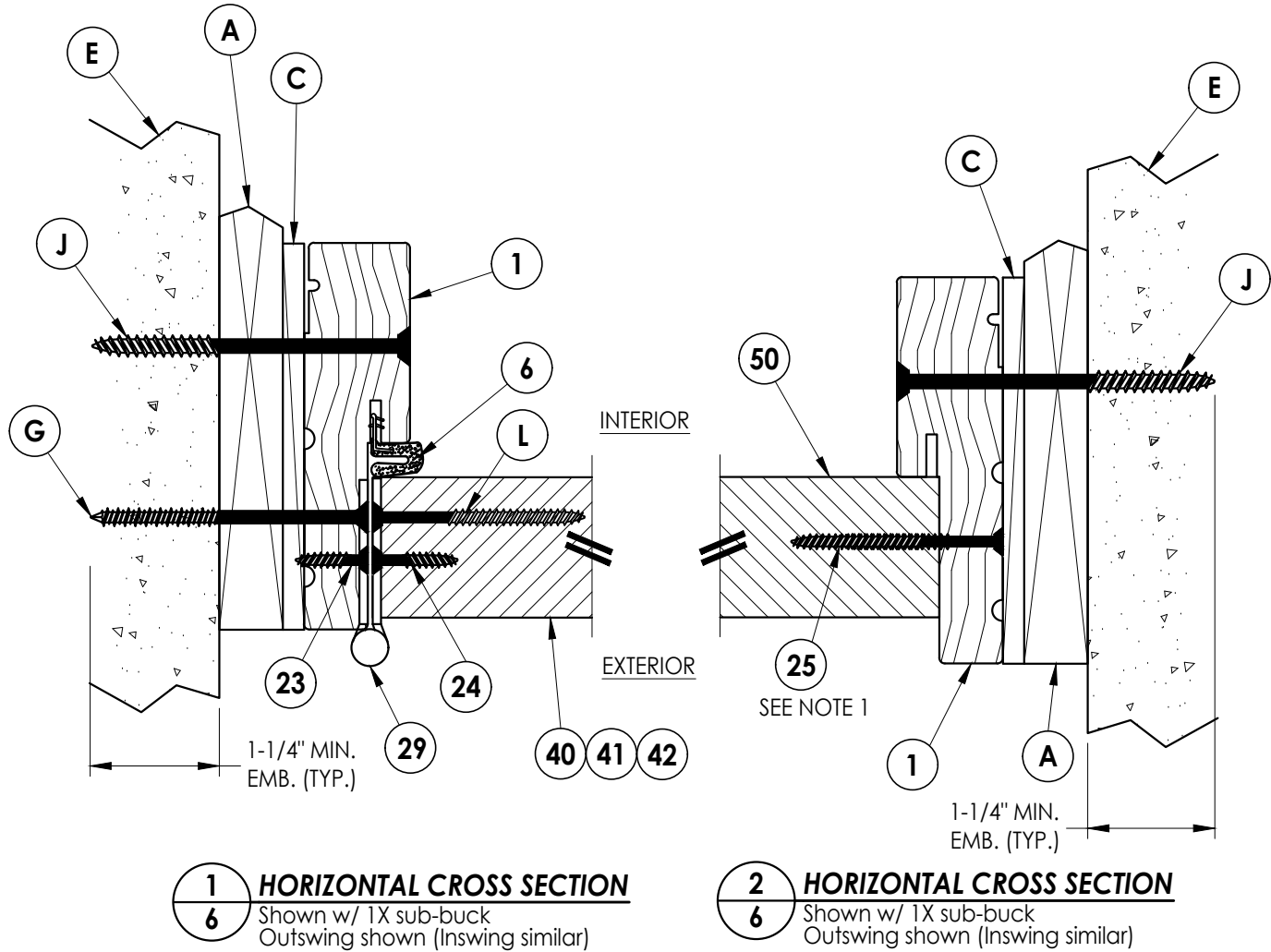
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	6/16/25	REVISE DIRECT TO MASONRY INST.		LFS
3	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS
1	5/20/20	ADD DOOR CUT DOWN OPTION		LFS
NO.	DATE			BY
REVISIONS				

DATE:	10/01/19
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-30482.3
SHEET	5 OF 13

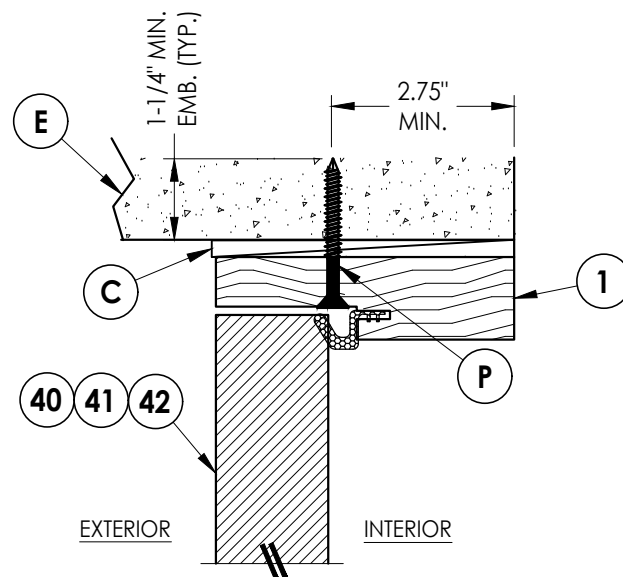
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry License No. 9813

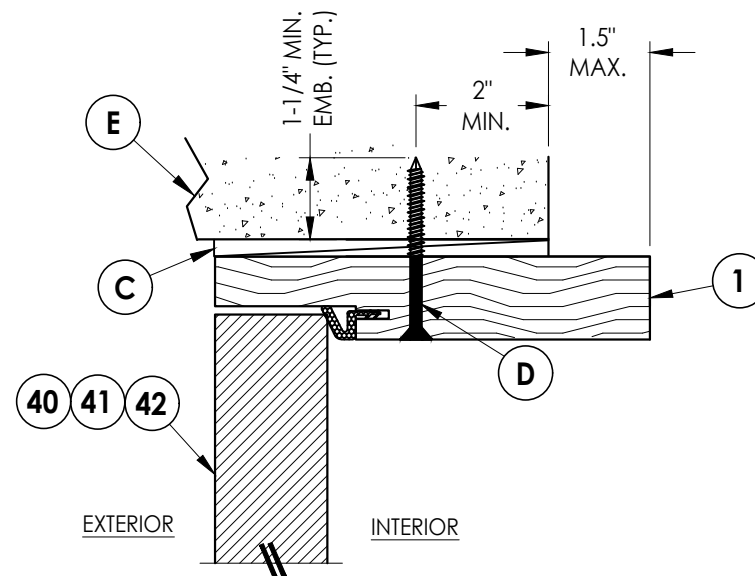
Note:
1. Sidelite assembly screws located 6" from each end and 4 more screws
equally spaced between (6 screws total per side jamb).



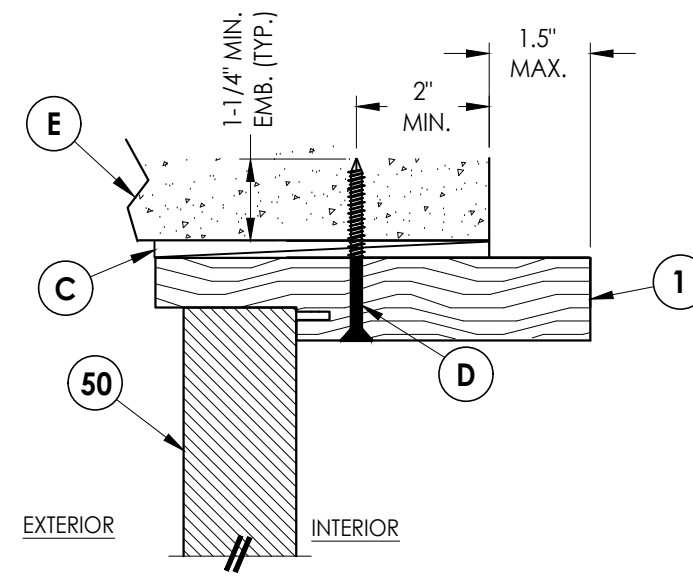
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		THERMA-TRU FIBERGLASS DOOR		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
DATE: 10/01/19		SCALE: N.T.S.		DWG. BY: RW	
CHK. BY: LFS		DRAWING NO.: FL-30482.3		SHEET 6 OF 13	
REVISIONS		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)		DATE	
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS		
4	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS		
3	7/27/23	UPDATE TO 8TH ED. (2023) FBC	LFS		
2	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS		
1	5/20/20	ADD DOOR CUT DOWN OPTION	LFS		



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



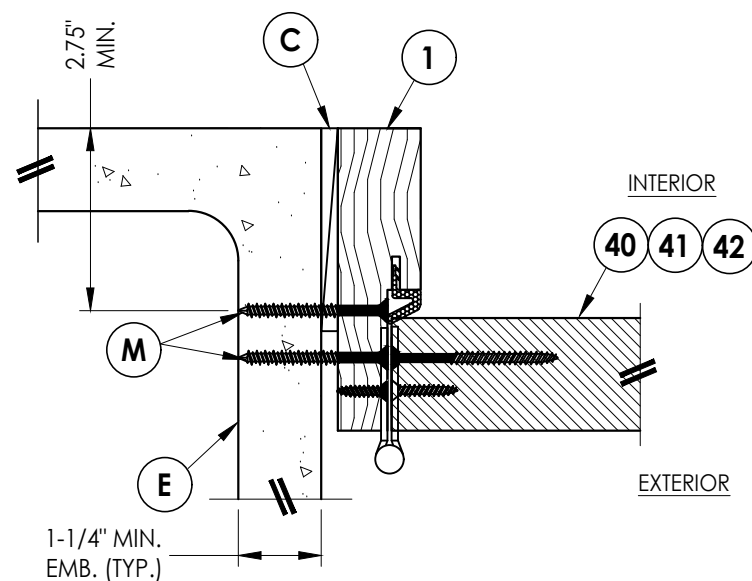
5 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



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

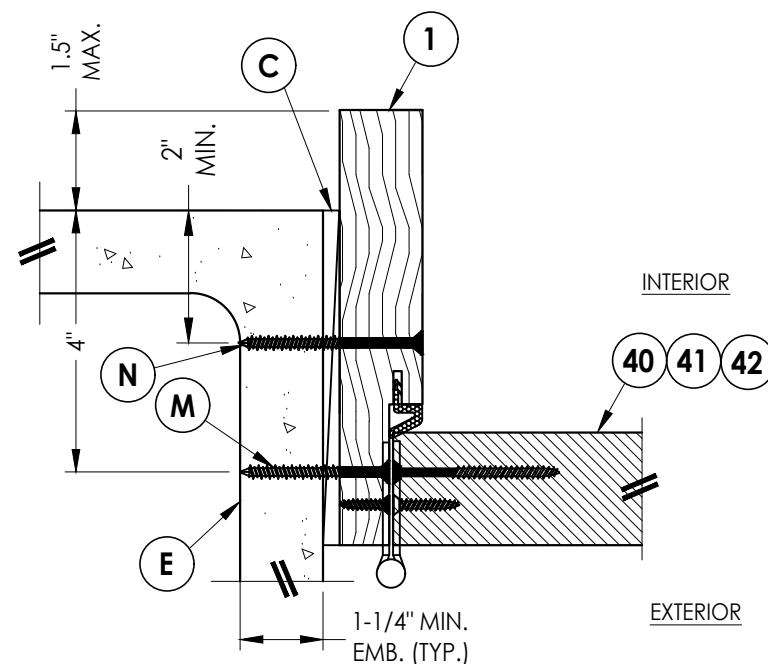
Note:

1. Sidelite assembly screws located 6" from each end plus 4 more equally spaced between (6 screws total per side jamb).

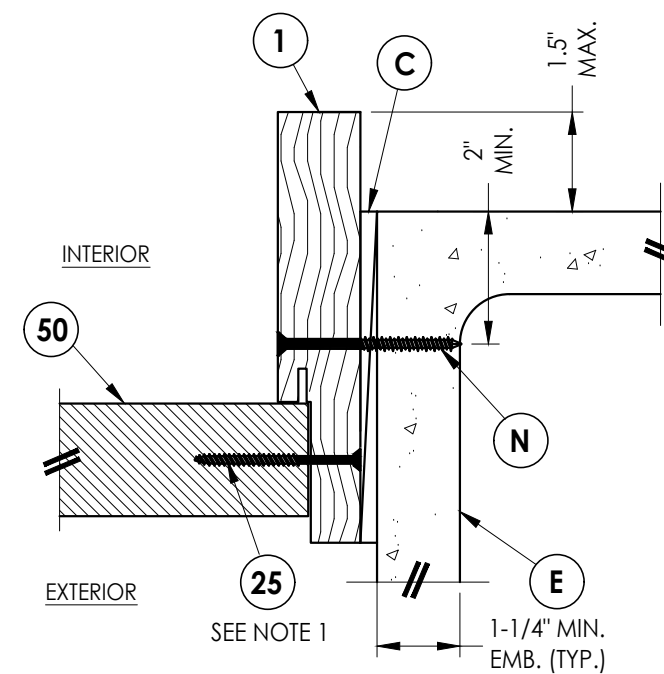


1 7 **HORIZONTAL CROSS SECTION**

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



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

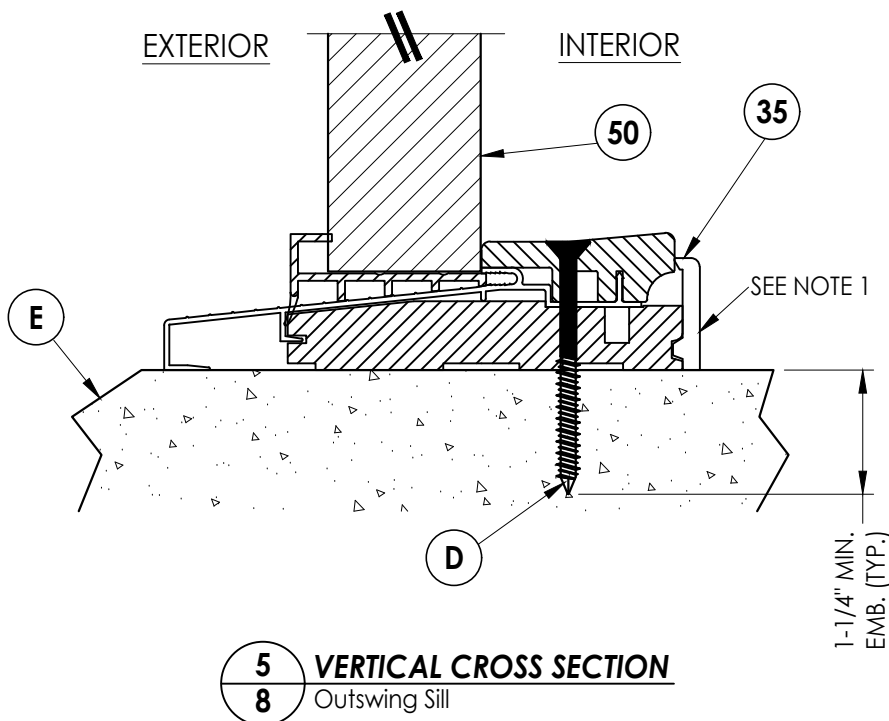
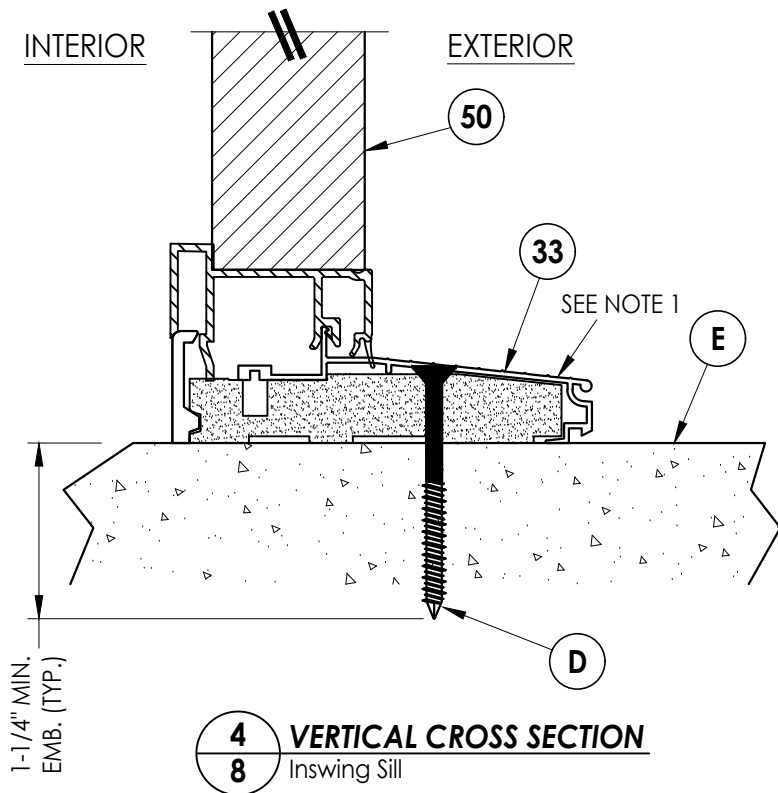
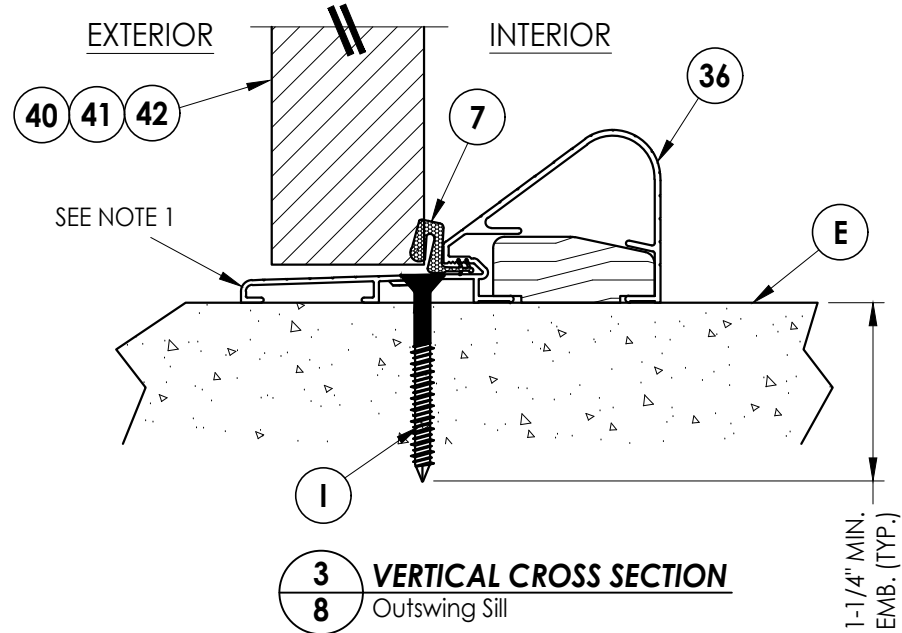
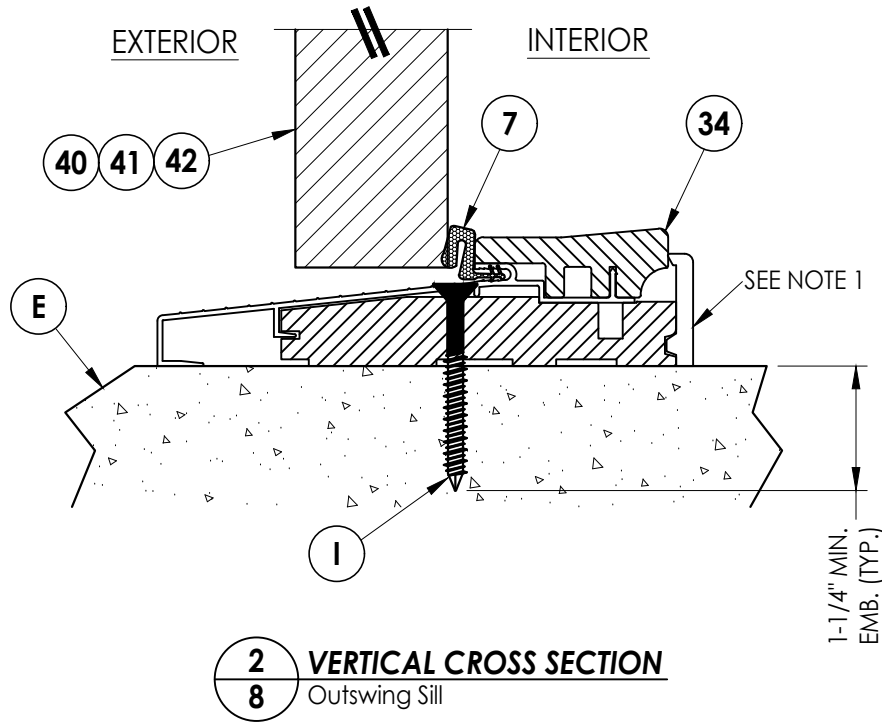
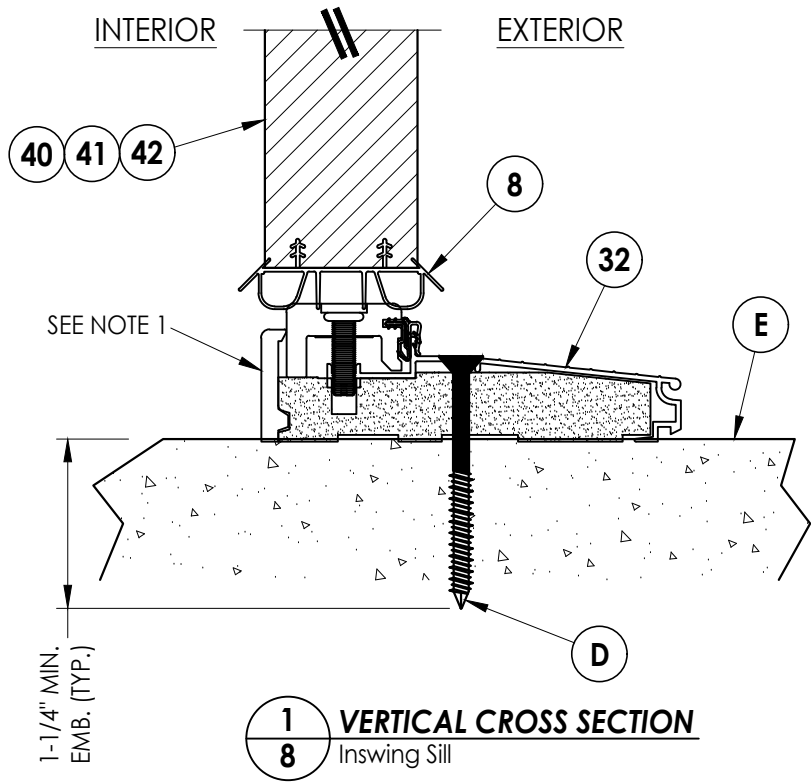


2 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

DATE: 8/10/16		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		THERMA-TRU		Lyndon F. Schmidt	
DWG. BY: RW		FIBERGLASS DOOR		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
DRAWING NO.: FL-30482.3		HORIZONTAL & VERTICAL			
SHEET 7 OF 13		SECTIONS (DIRECT TO MASONRY)			
NO.	DATE			REVISIONS	
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC		LFS	
4	6/16/25	REVISE DIRECT TO MASONRY INST.		LFS	
3	7/27/23	UPDATE TO 8TH ED. (2023) FBC		LFS	
2	7/23/20	UPDATE TO 7TH ED (2020) FBC		LFS	
1	5/20/20	ADD DOOR CUT DOWN OPTION		LFS	
				BY	

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Note:
1. Sill Item #'s 32, 33, 34 & 35 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 36 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.



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
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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS		
		BY	LFS	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	6/16/25	REVISE DIRECT TO MASONRY INST.		LFS
3	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	7/23/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
1	5/20/20	ADD DOOR CUT DOWN OPTION		LFS

DATE: 10/01/19

SCALE: N.T.S.

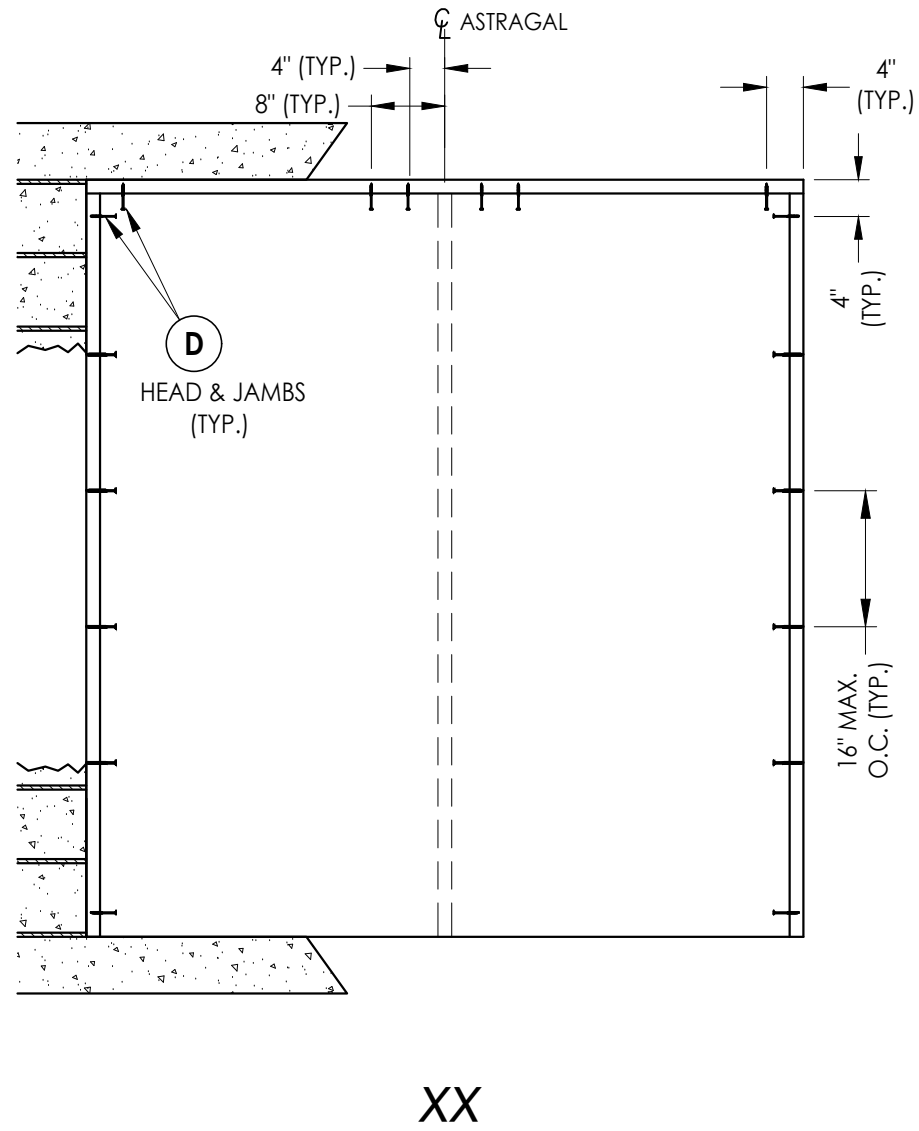
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CHK. BY: LFS

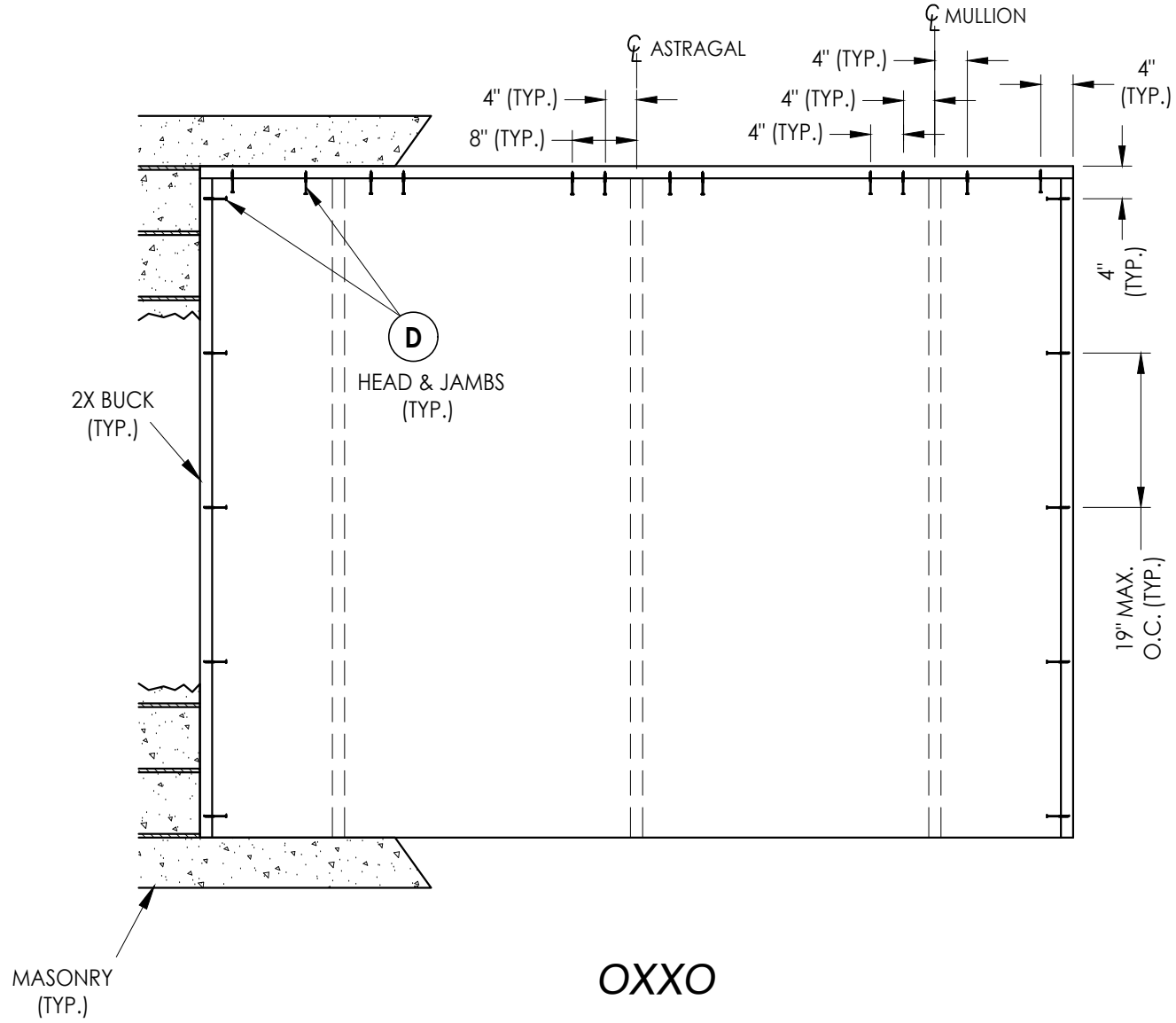
DRAWING NO.:

FL-30482.3

SHEET 8 OF 13



2X BUCK ANCHORING



5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
4	6/16/25	REVISE DIRECT TO MASONRY INST.		LFS
3	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS
1	5/20/20	ADD DOOR CUT DOWN OPTION		LFS
NO.	DATE			BY
REVISIONS				

DATE: 10/01/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-30482.3
SHEET 9 OF 13

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

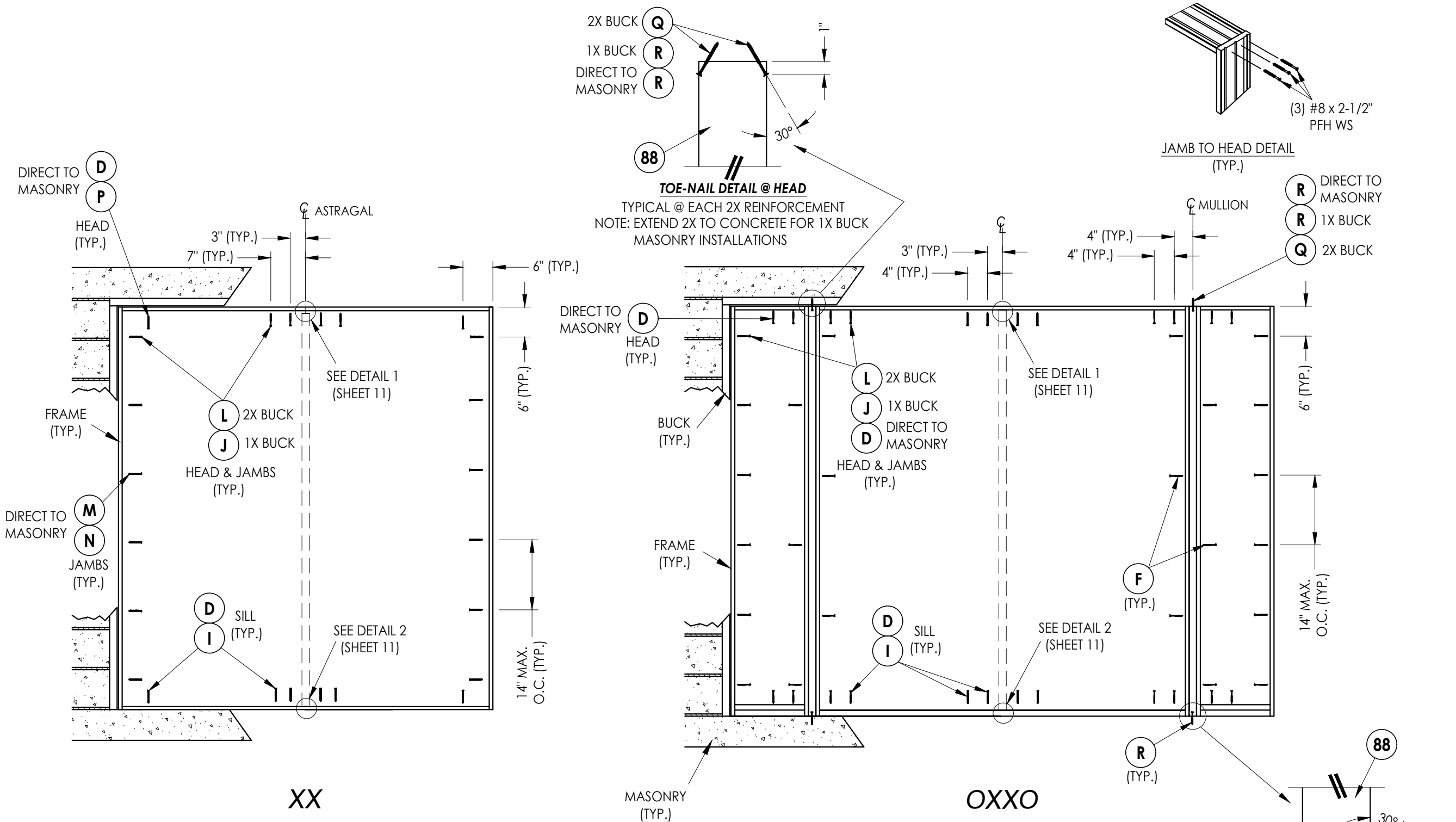
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

BUCK ANCHORING

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Phone No.: 813.659.9197
FBPE Registry License No. 9813

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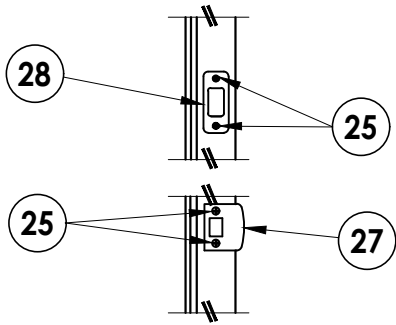


FRAME ANCHORING

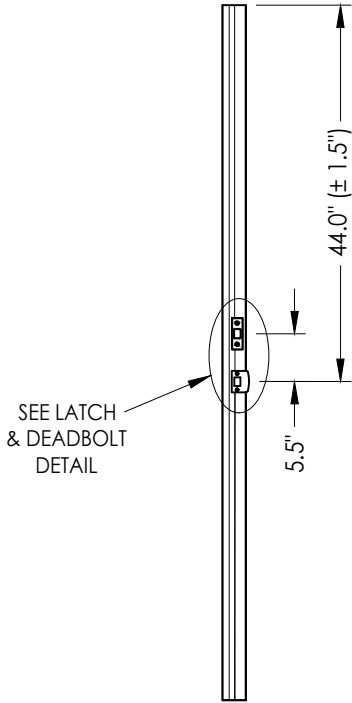
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813			
PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: FRAME ANCHORING			
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS	REVISIONS			
4	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS				
3	7/27/23	UPDATE TO 8TH ED. (2023) FBC	LFS				
2	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS				
1	5/20/20	ADD DOOR CUT DOWN OPTION	LFS				
NO.		DATE	BY				
DATE: 10/01/19							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-30482.3							
SHEET 10 OF 13							

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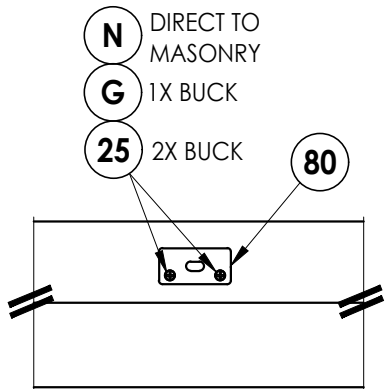
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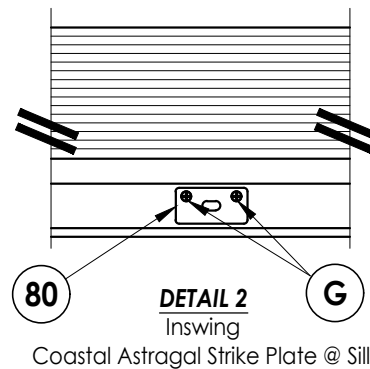
LATCH & DEADBOLT DETAIL
Schlage / Kwikset



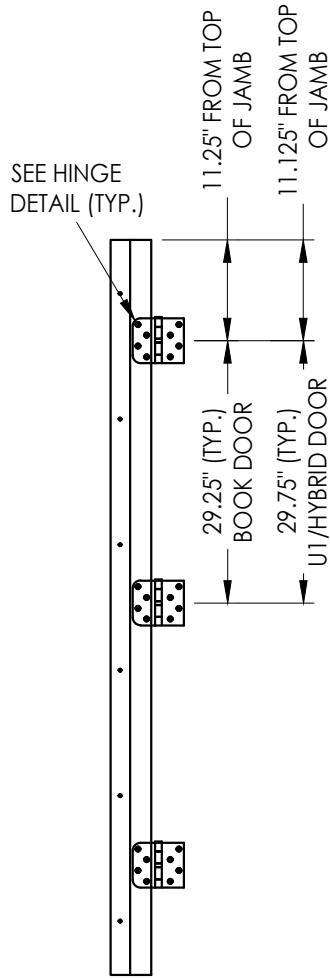
ASTRAGAL
Latch and Deadbolt



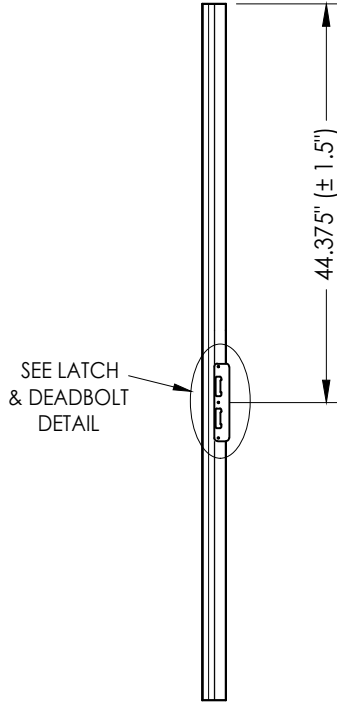
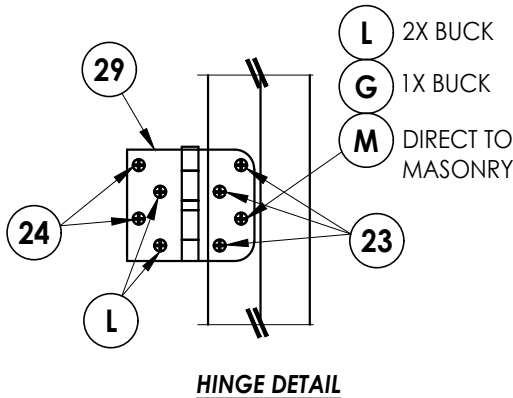
DETAIL 1
Coastal Astragal Strike Plate @ Head



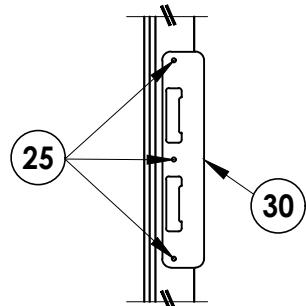
LATCH & DEADBOLT STRIKE DETAILS



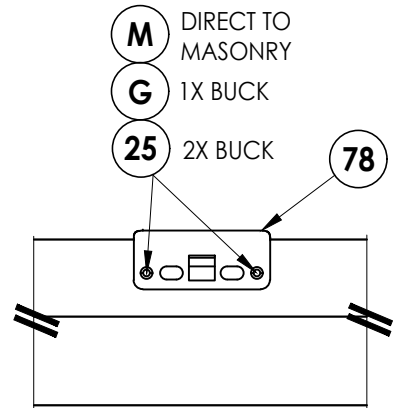
HINGE JAMB



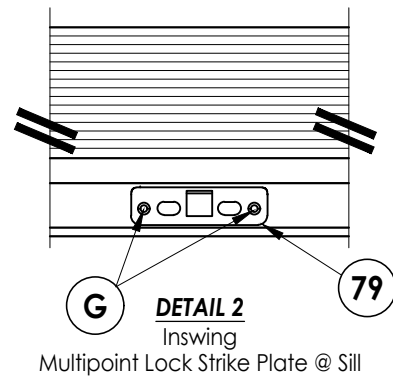
ASTRAGAL
Multipoint Lock



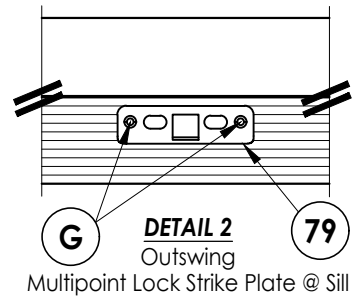
LATCH & DEADBOLT DETAIL
Multipoint Lock



DETAIL 1
Multipoint Lock Strike Plate @ Head



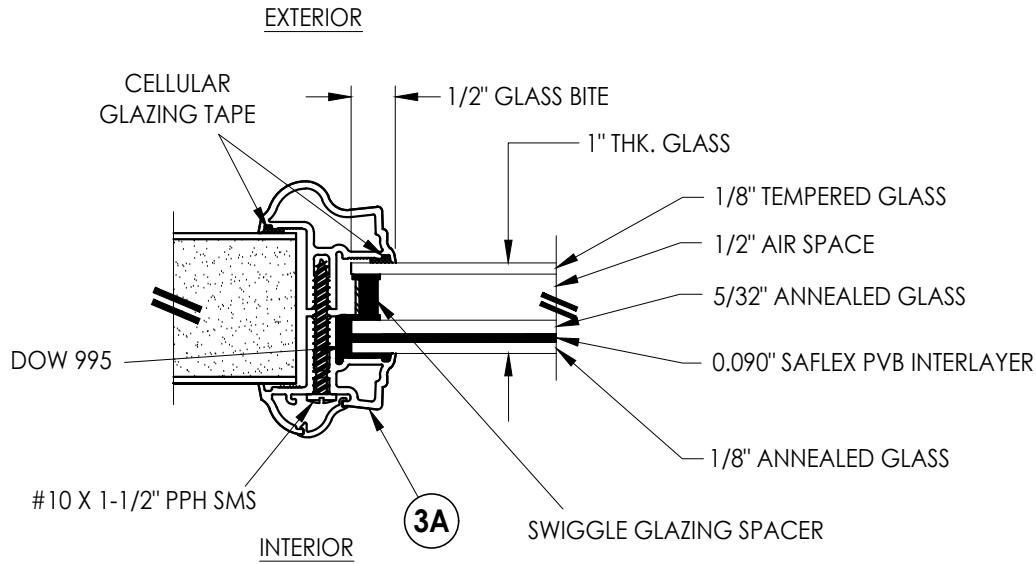
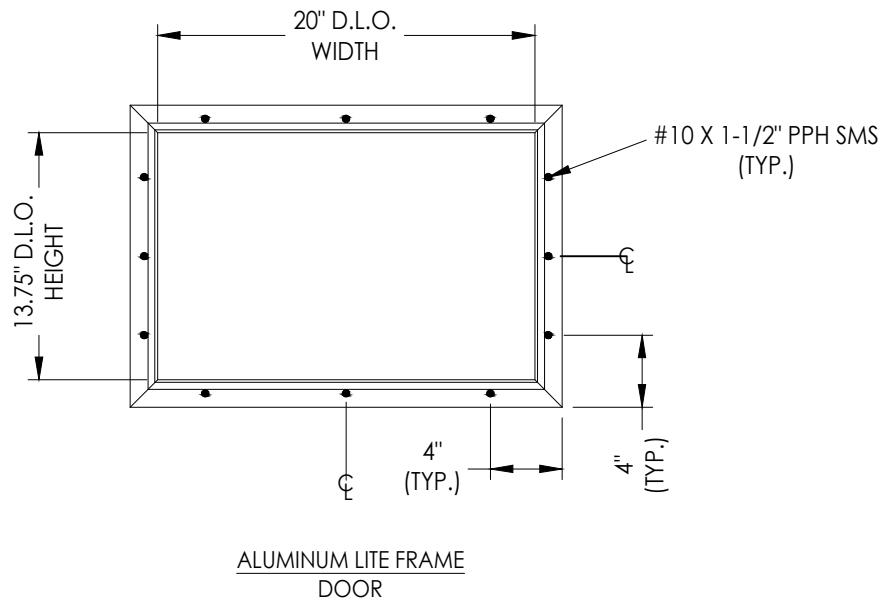
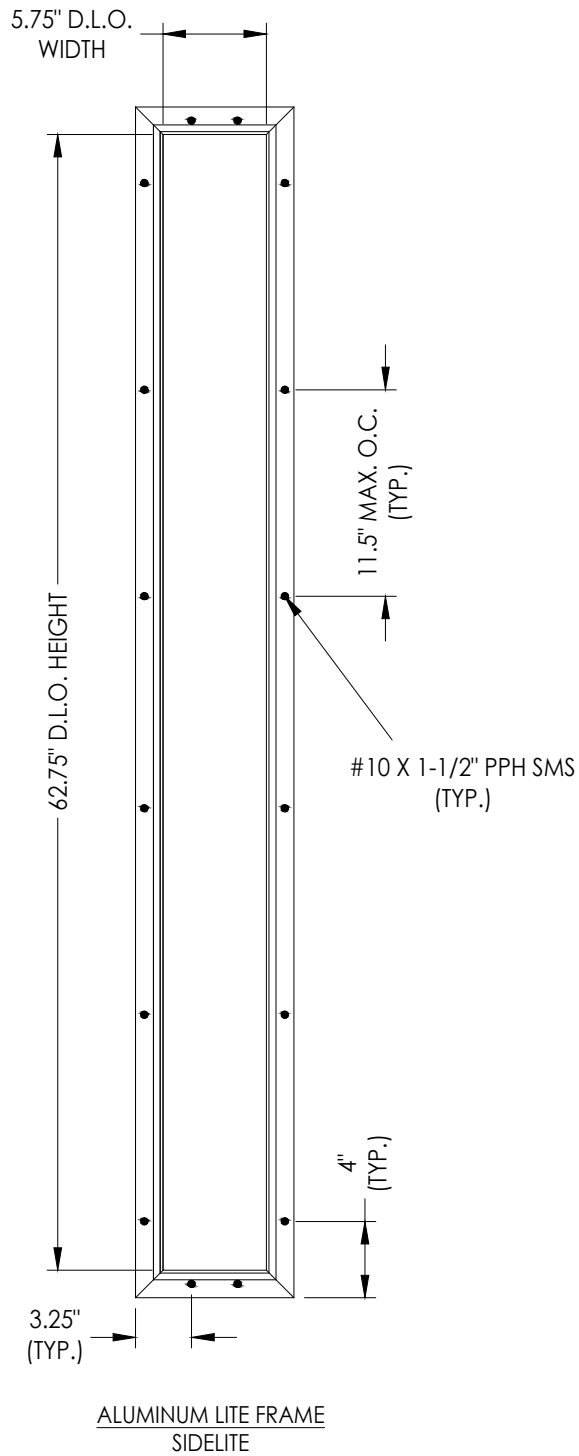
DETAIL 2
Inswing
Multipoint Lock Strike Plate @ Sill



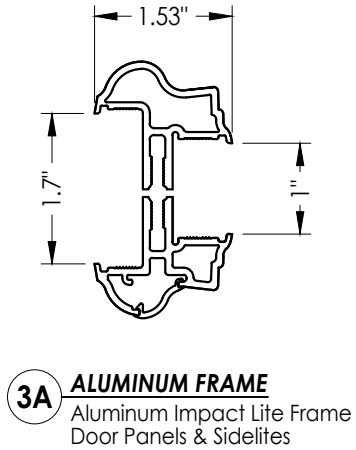
DETAIL 2
Outswing
Multipoint Lock Strike Plate @ Sill

MULTIPOINT LOCK STRIKE DETAILS

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		THERMA-TRU FIBERGLASS DOOR		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
PRODUCT:		PART OR ASSEMBLY:		HARDWARE DETAILS	
5	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS	REVISIONS	
4	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS		
3	7/27/23	UPDATE TO 8TH ED. (2023) FBC	LFS		
2	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS		
1	5/20/20	ADD DOOR CUT DOWN OPTION	LFS		
NO.	DATE		BY		
DATE: 10/01/19					
SCALE: N.T.S.					
DWG. BY: RW					
CHK. BY: LFS					
DRAWING NO.: FL-30482.3					
SHEET 11 OF 13					



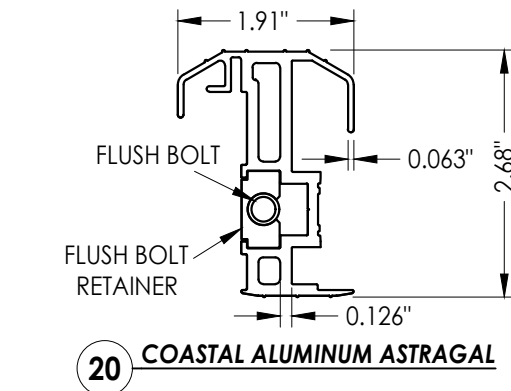
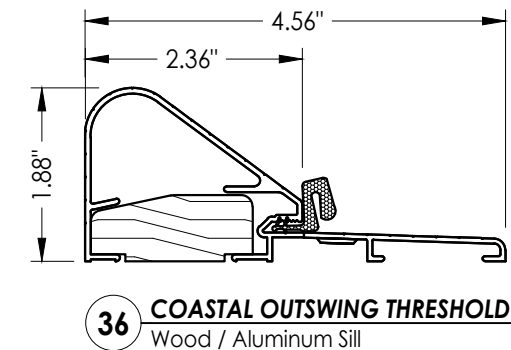
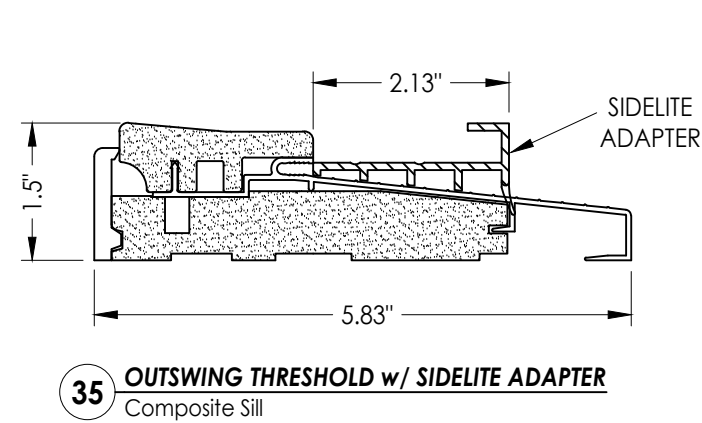
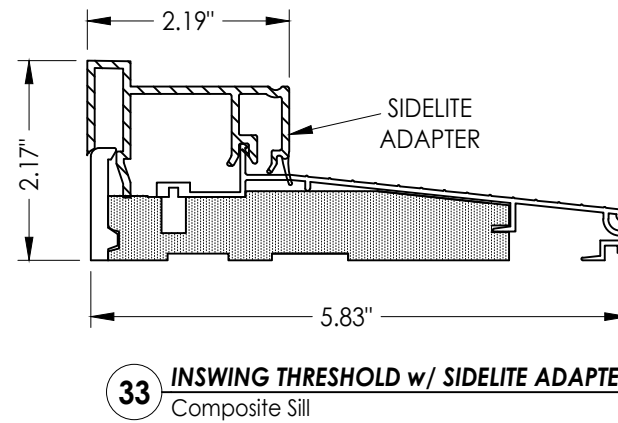
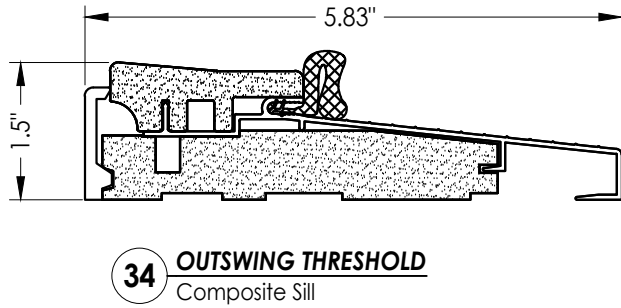
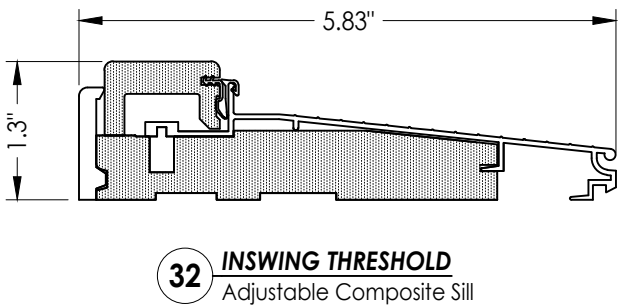
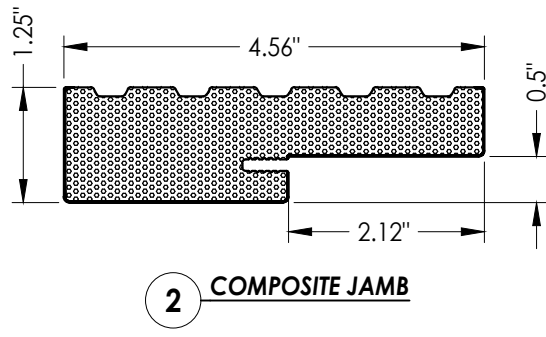
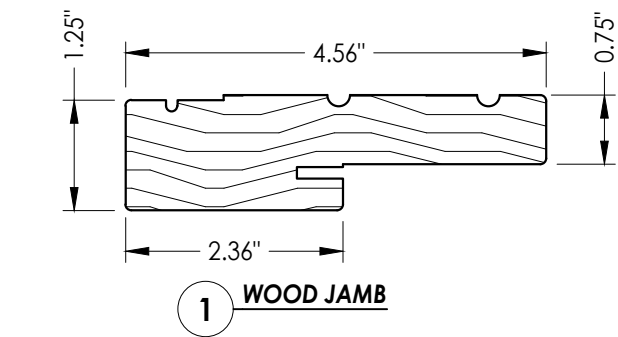
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: GLAZING DETAILS		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
5	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	REVISIONS	NO.	DATE
4	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS				
3	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
2	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS			
1	5/20/20	ADD DOOR CUT DOWN OPTION	LFS	BY			
DATE: 10/01/19							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-30482.3							
SHEET 12 OF 13							

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO 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" PFH ITW CONCRETE SCREW	STEEL
I	1/4" X 2-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO 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
P	1/4" X 2-3/4" PFH ELCO CONCRETE SCREW	STEEL
Q	#10 X 3" PFH WOOD SCREW (1.75" MIN. EMBEDMENT)	STEEL
R	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (FINGER JOINT PINE)	WOOD
2	COMPOSITE JAMB	COMP.
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
20	COASTAL ALUMINUM ASTRAGAL	ALUM
22	#8 X 3/4" PFH WOOD SCREW	STEEL
23	#9 X 3/4" PFH WOOD SCREW	STEEL
24	#9 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
28A	DEADBOLT SUB STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	LATCH & DEADBOLT STRIKE PLATE (TONGUE SYSTEM)	STEEL
31	MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)	
32	INSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
34	OUTSWING THRESHOLD	ALUM/COMP
35	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
36	COASTAL OUTSWING THRESHOLD	ALUM/WOOD
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE PANEL	-
78	MULTIPOINT LOCK STRIKE PLATE @ HEAD	STEEL
79	MULTIPOINT LOCK STRIKE PLATE @ SILL	STEEL
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL
88	2X REINFORCEMENT (SG = 0.55)	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.

- 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"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3" or 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

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
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SHEET 13 OF 13