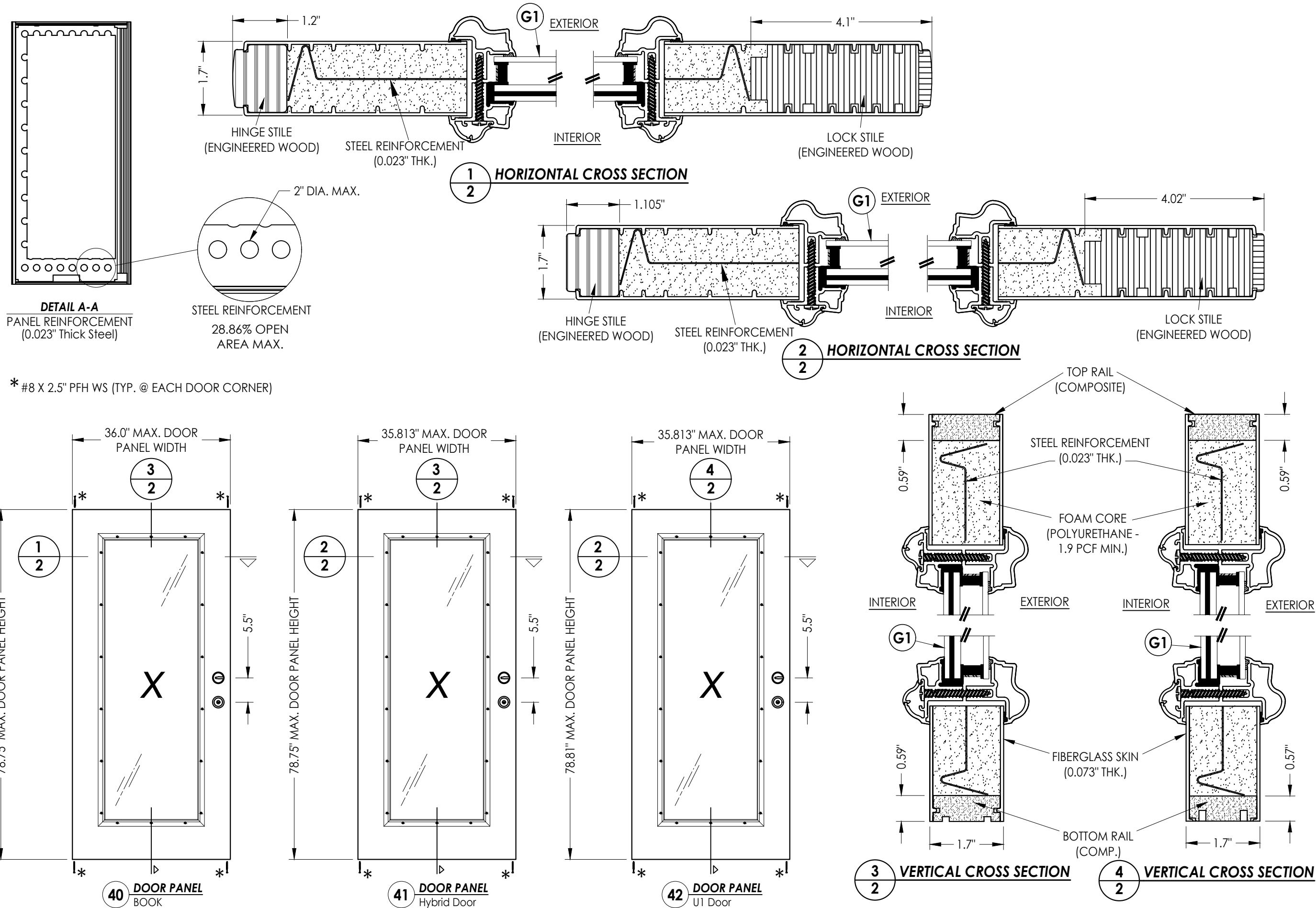




Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

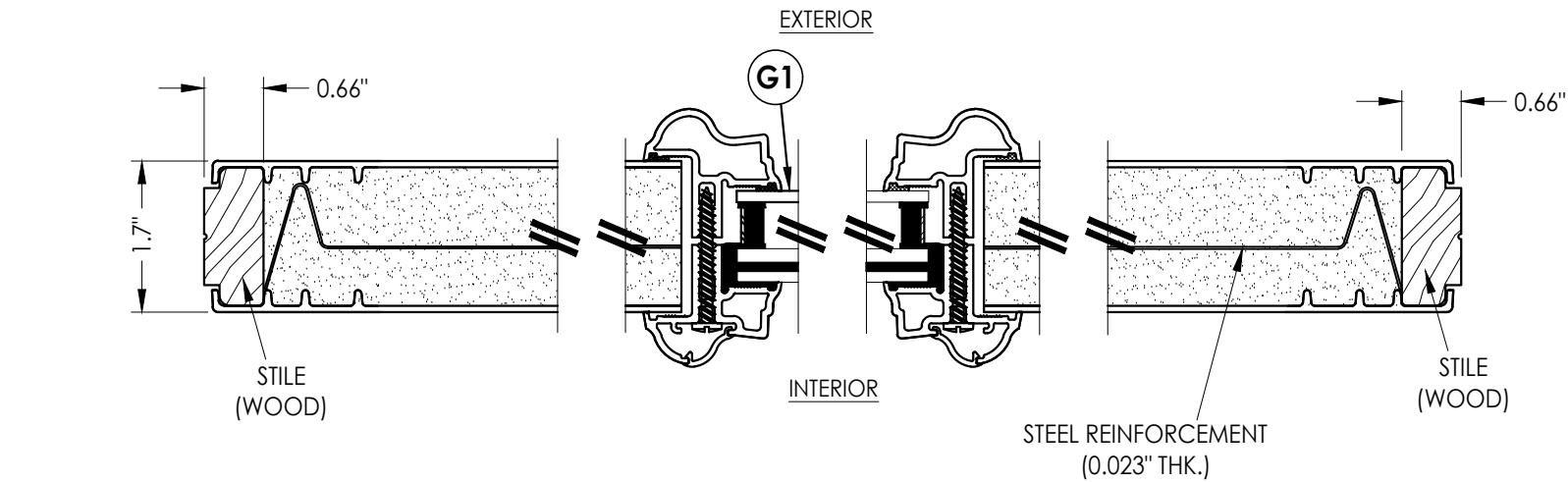
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

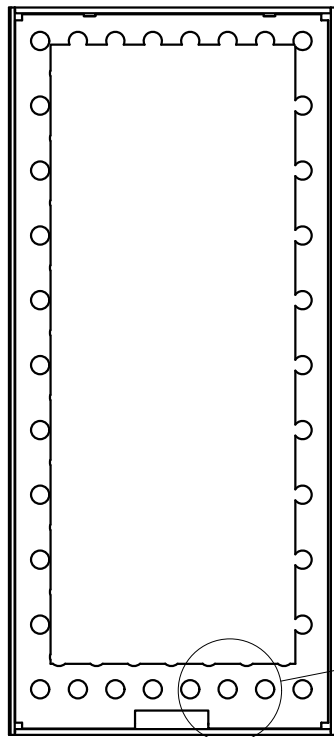
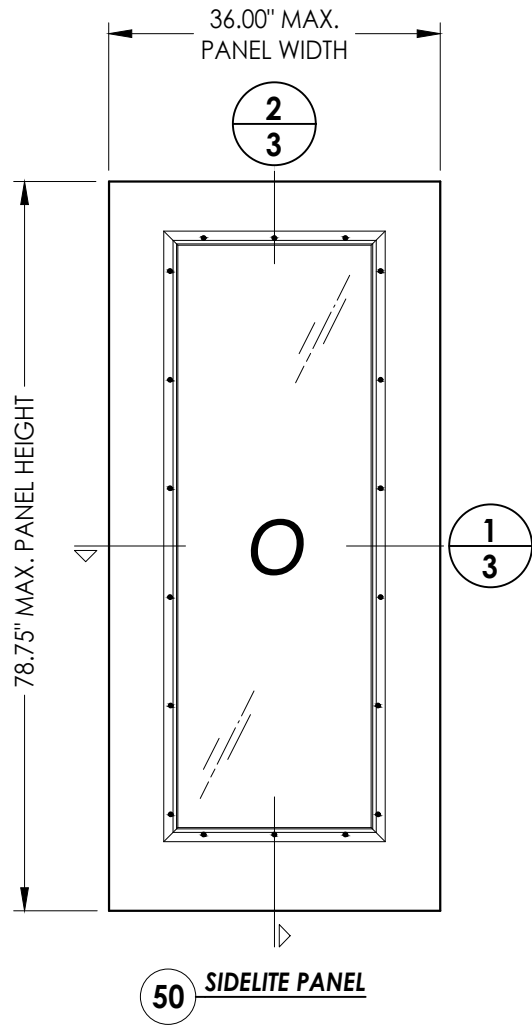
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

REVISIONS		NO.	DATE	BY
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/15/20	UPDATE TO 7TH ED. (2020)	FBC	PO
DATE: 08/12/19				
SCALE: N.T.S.				
DWG. BY: RW				
CHK. BY: LFS				
DRAWING NO.: FL-30077.9				
SHEET 2 OF 14				

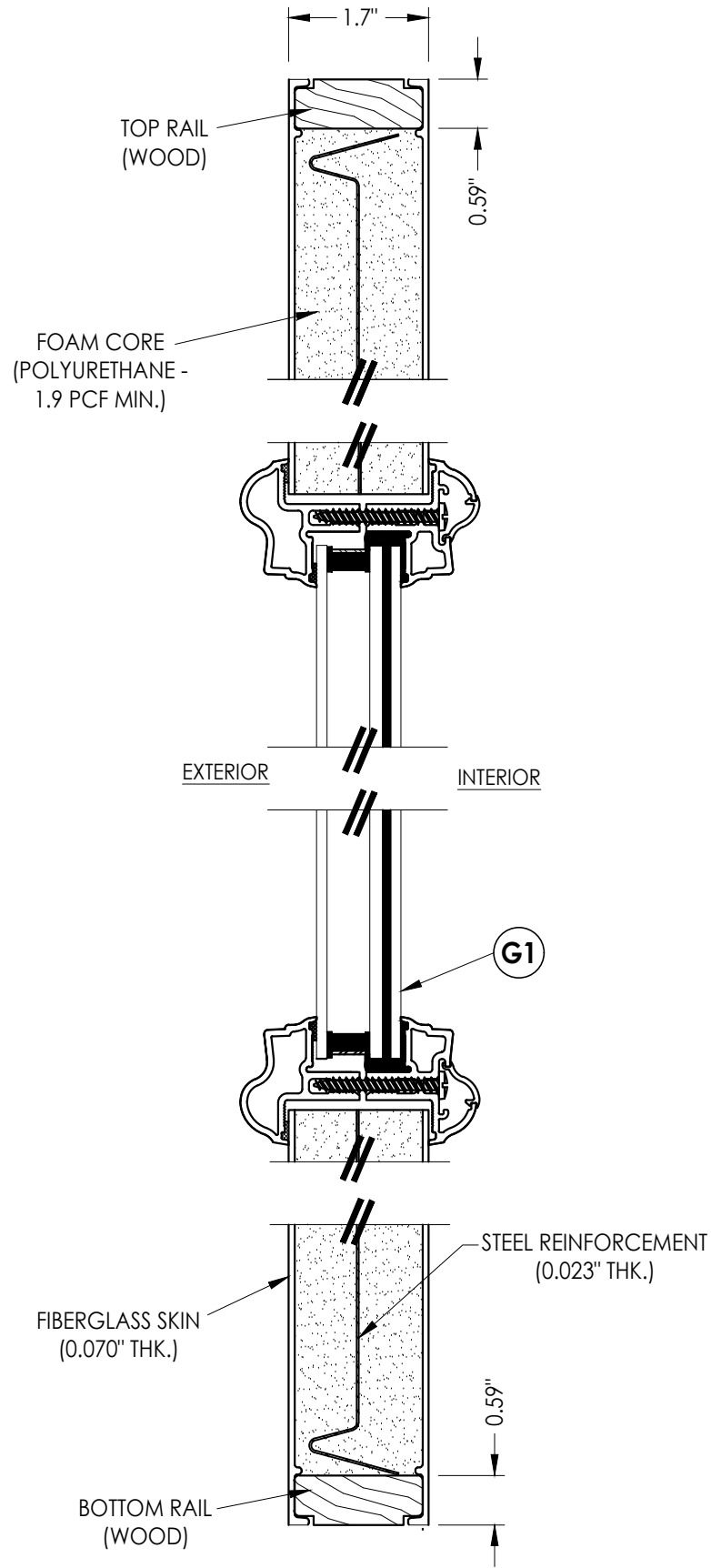
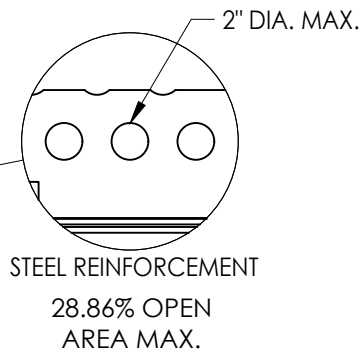
Z:\2023 FBC Drawings\Therma-Tru\FL-30077 R3\FL-30077.7-9.dwg



1
3 HORIZONTAL CROSS SECTION



DETAIL A-A
PANEL REINFORCEMENT
(0.023\"/>



2
3 VERTICAL CROSS SECTION

DATE: 08/12/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-30077.9
SHEET 3 OF 14

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC PO

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

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

RW BUILDING CONSULTANTS, INC.
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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)

ELEVATIONS

3	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
2	8/17/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
1	7/15/20	UPDATE TO 7th ED	(2020)	FBC	PO
NO.	DATE				
REVISIONS					

DATE: 08/12/19

SCALE: N.T.S.

DWG. BY: *RW*

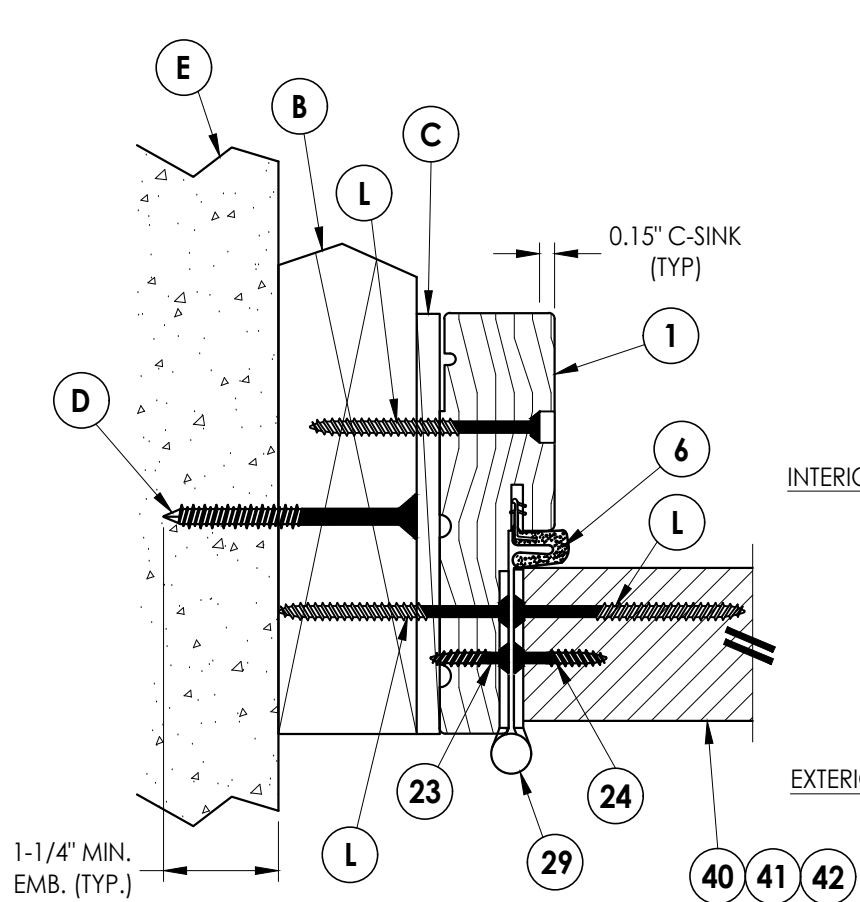
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DRAWING NO.:
FL-30077.9

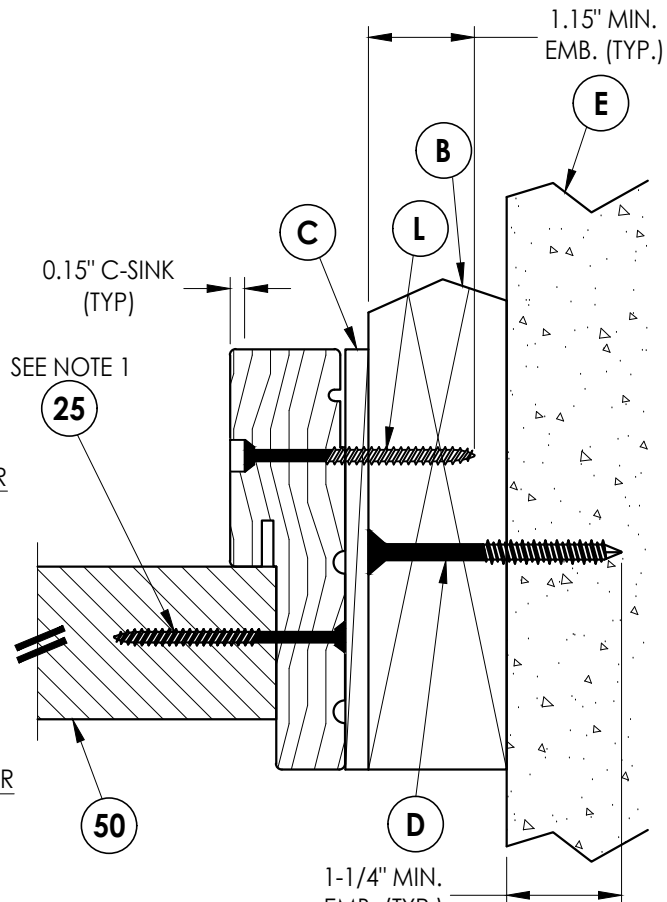
SHEET 4 OF 14

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

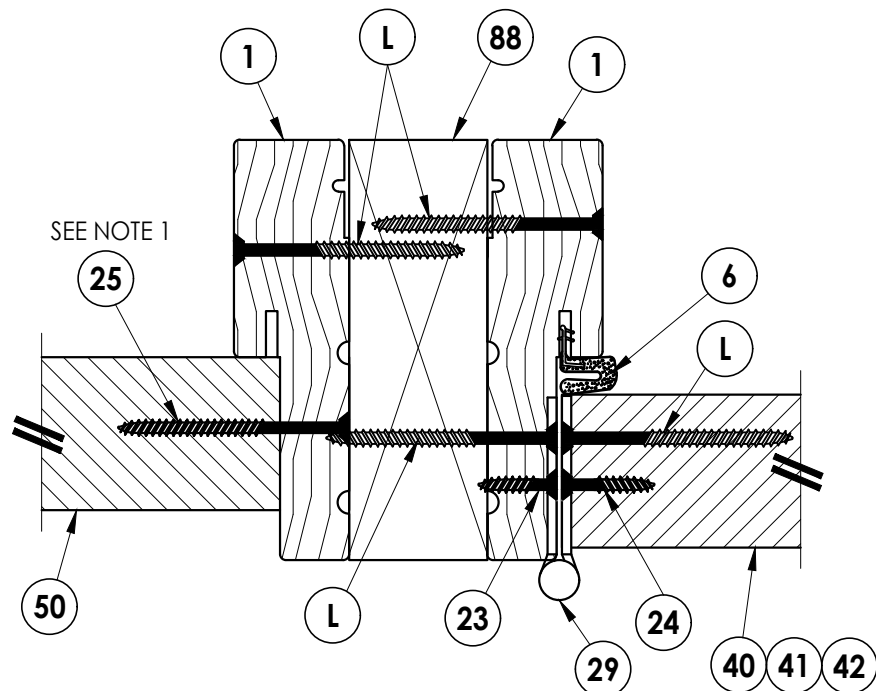
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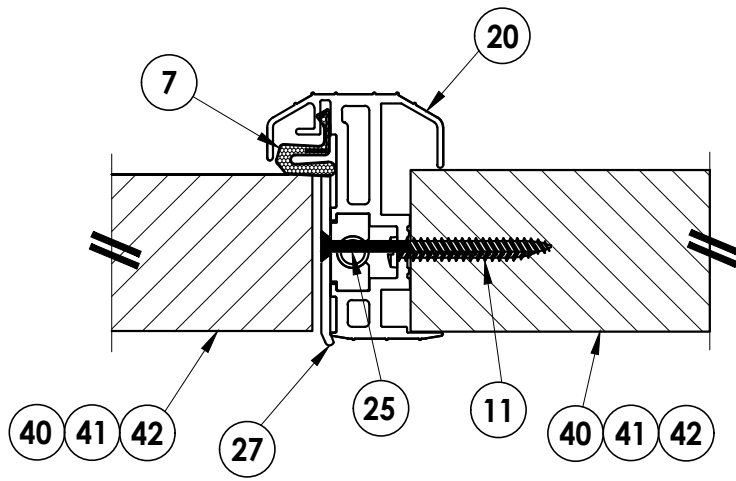
1 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck



2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck

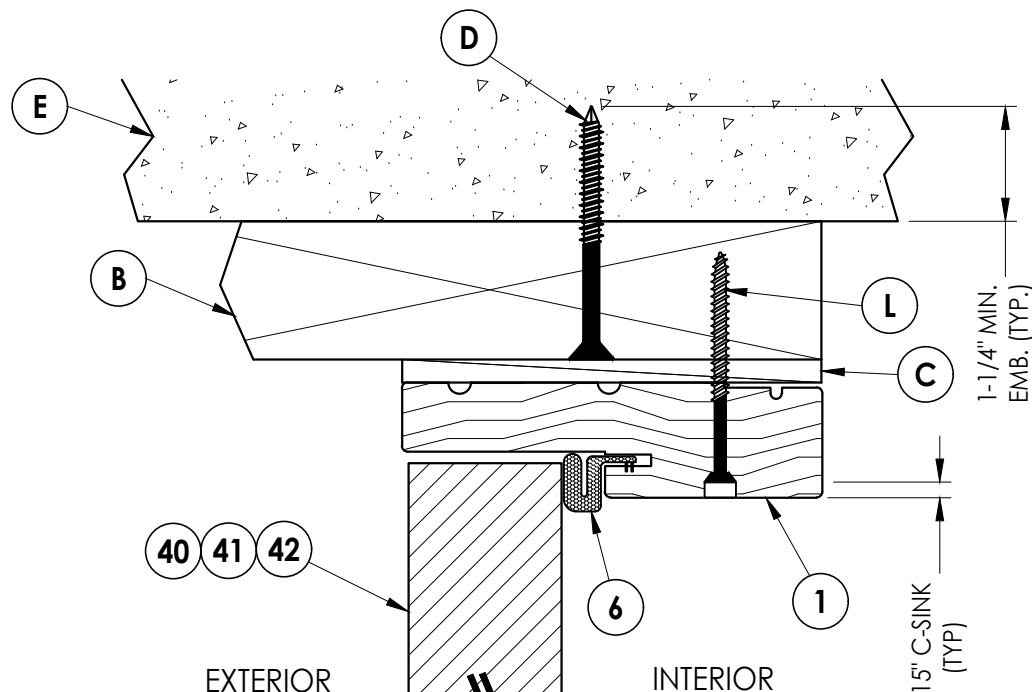


5 **HORIZONTAL CROSS SECTION**
5

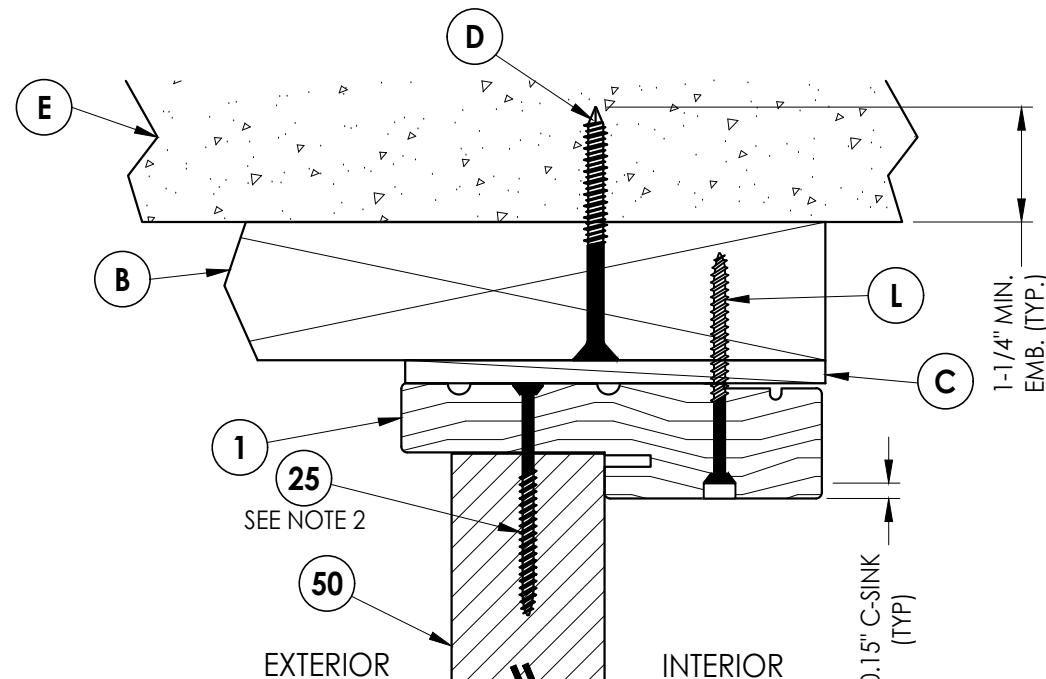


6 **HORIZONTAL CROSS SECTION**
5

- Notes:
1. Sidelite assembly screws located 6" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).



3 **VERTICAL CROSS SECTION**
5 Shown w/ 2X Buck



4 **VERTICAL CROSS SECTION**
5 Shown w/ 2X Buck

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:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 08/12/19

SCALE: N.T.S.

DWG. BY: RW

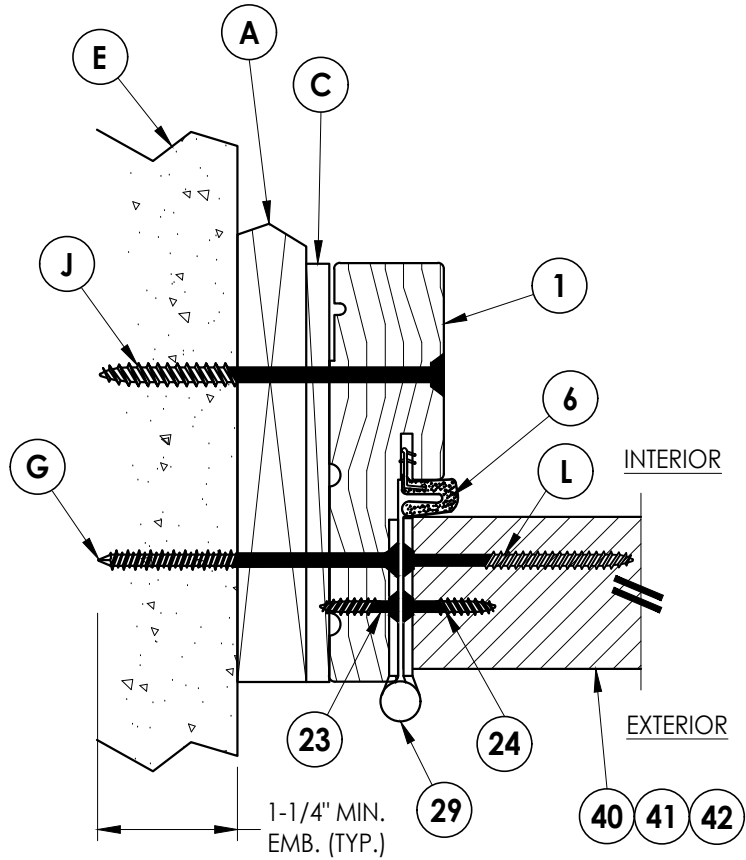
CHK. BY: LFS

DRAWING NO.:

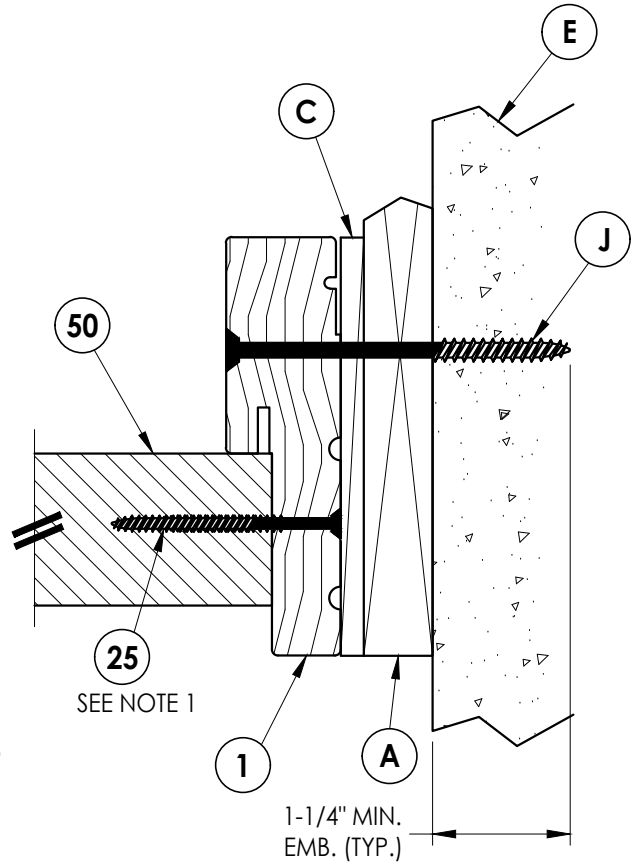
FL-30077.9

SHEET 5 OF 14

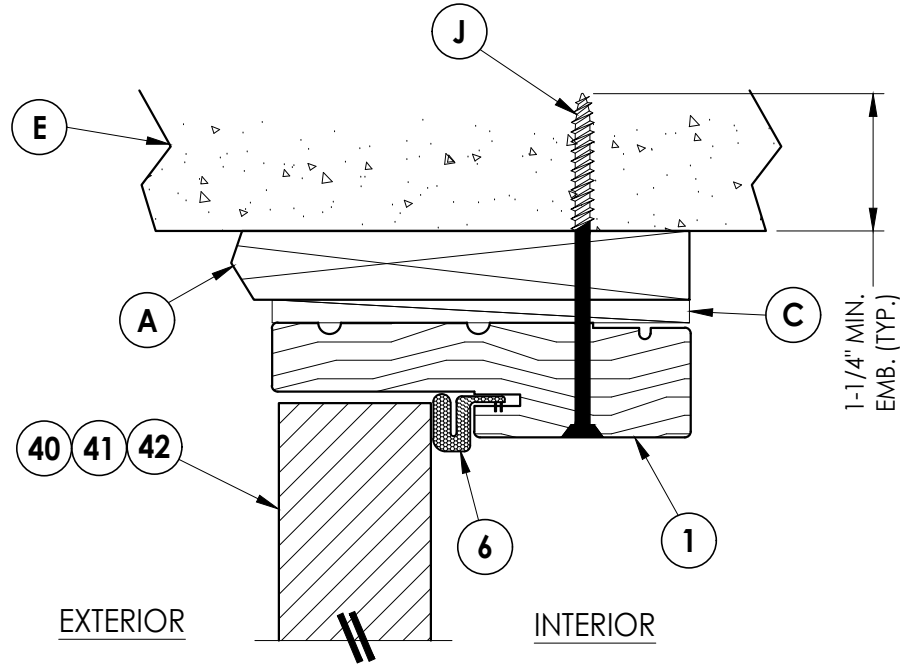
- Notes:
1. Sidelite assembly screws located 6" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).



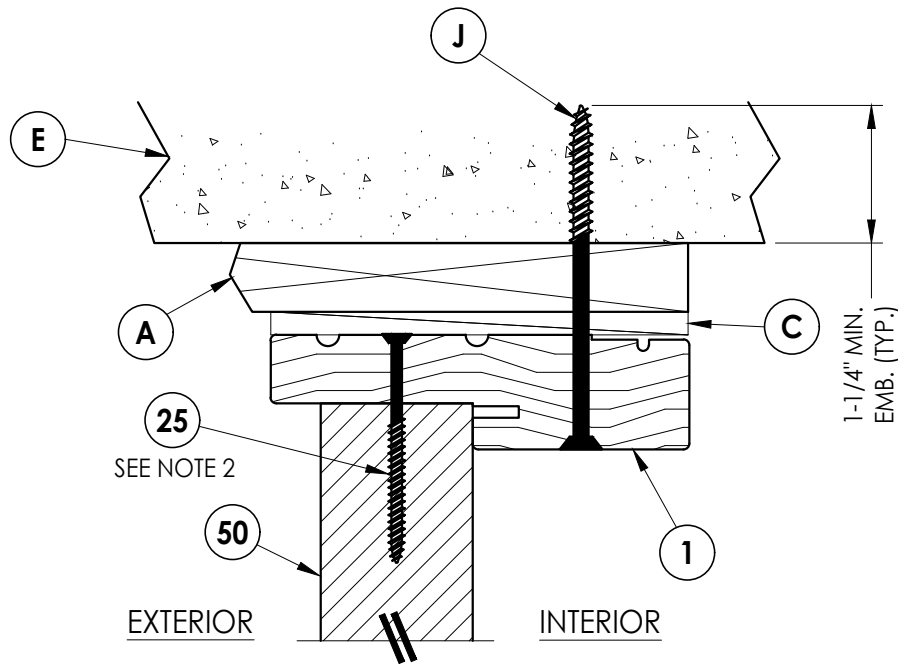
1
6 HORIZONTAL CROSS SECTION
Shown w/ 1X sub-buck



2
6 HORIZONTAL CROSS SECTION
Shown w/ 1X sub-buck



3
6 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck



4
6 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck

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

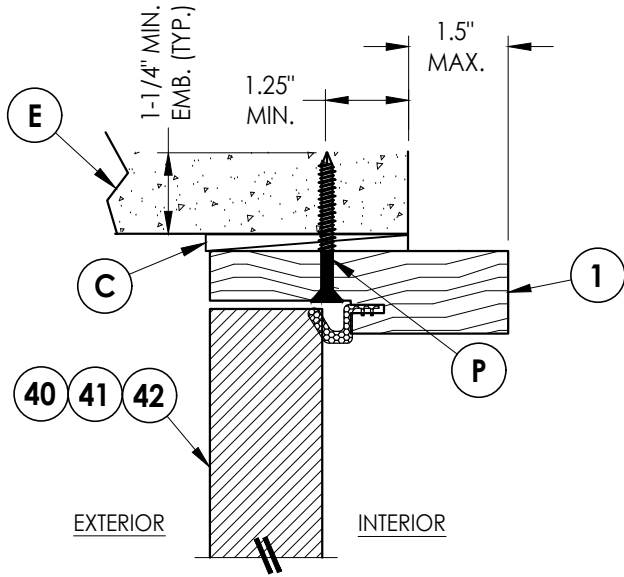
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

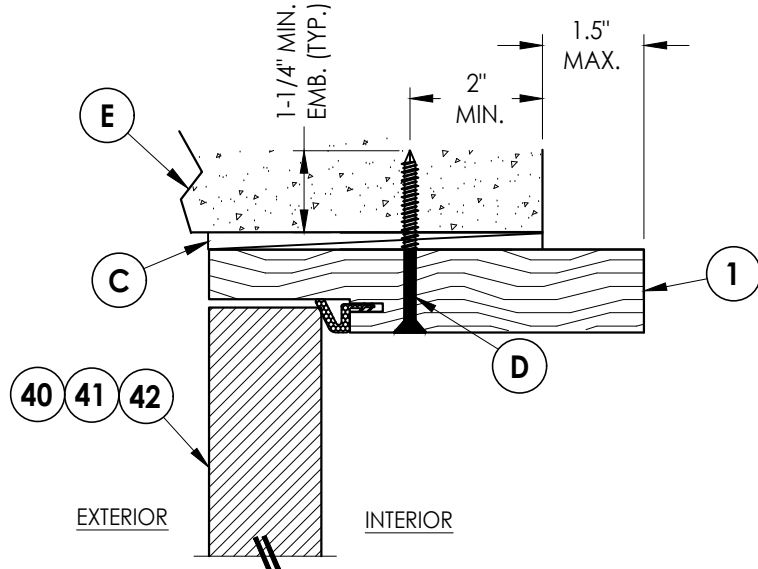
NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 08/12/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-30077.9
SHEET 6 OF 14

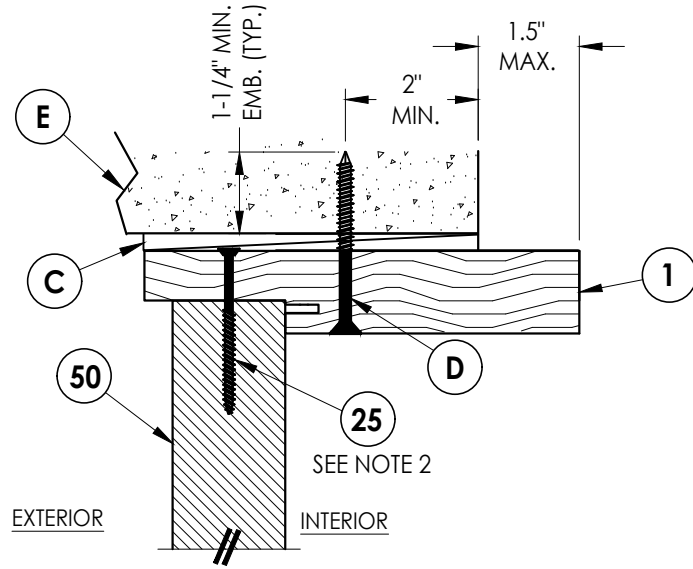
Z:\2023 FBC Drawings\Therma-Tru\FL-30077 R3\FL-30077.7-9.dwg



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



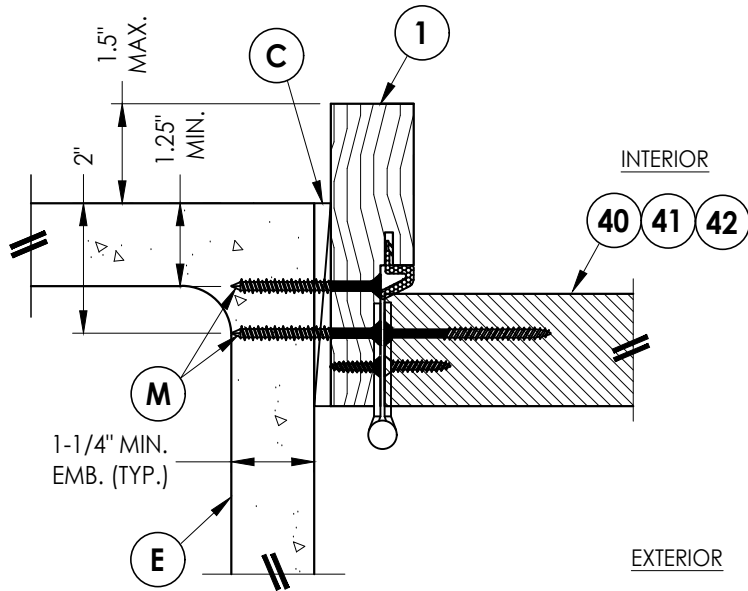
5
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
6-9/16" jamb



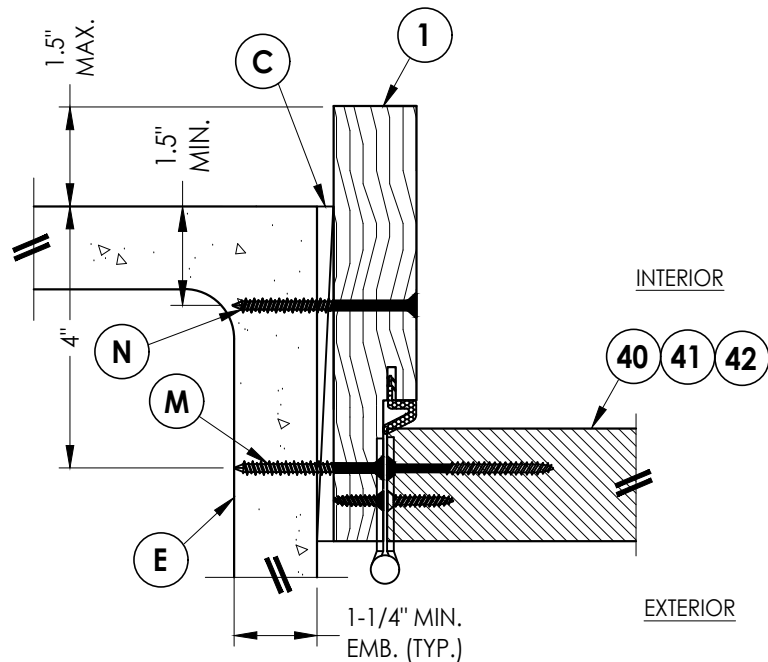
6
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
6-9/16" jamb

Notes:

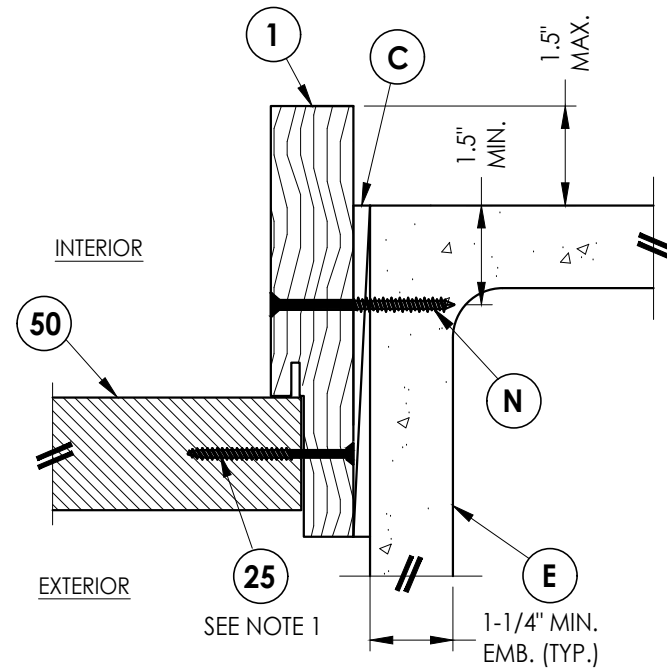
1. Sidelite assembly screws located 6" from each end plus 5 more equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).



1
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
6-9/16" jamb
Double Door Only (N/A w/ Sidelites)



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



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

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

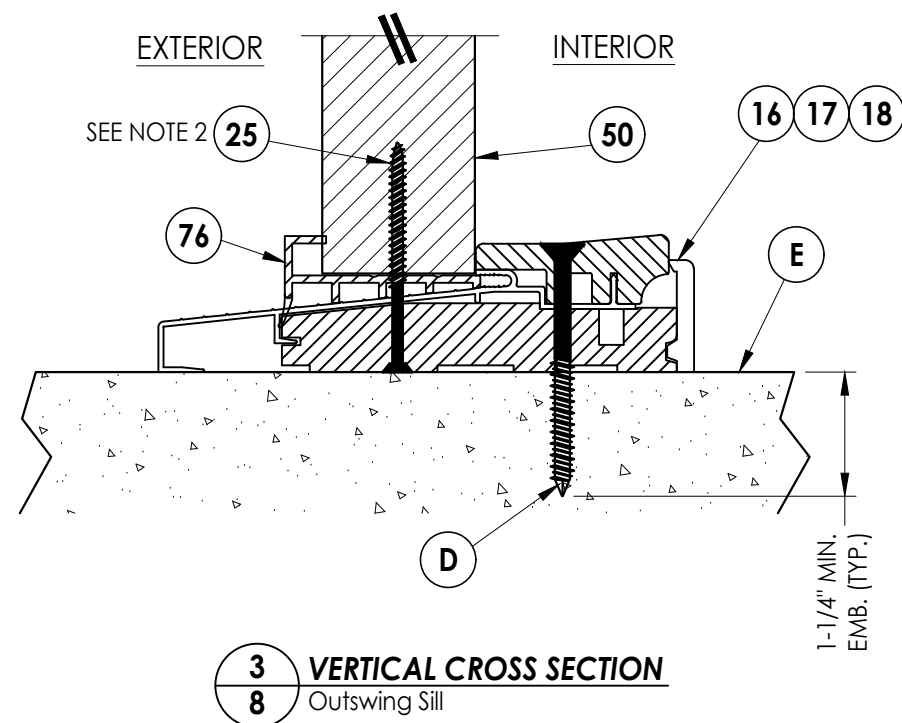
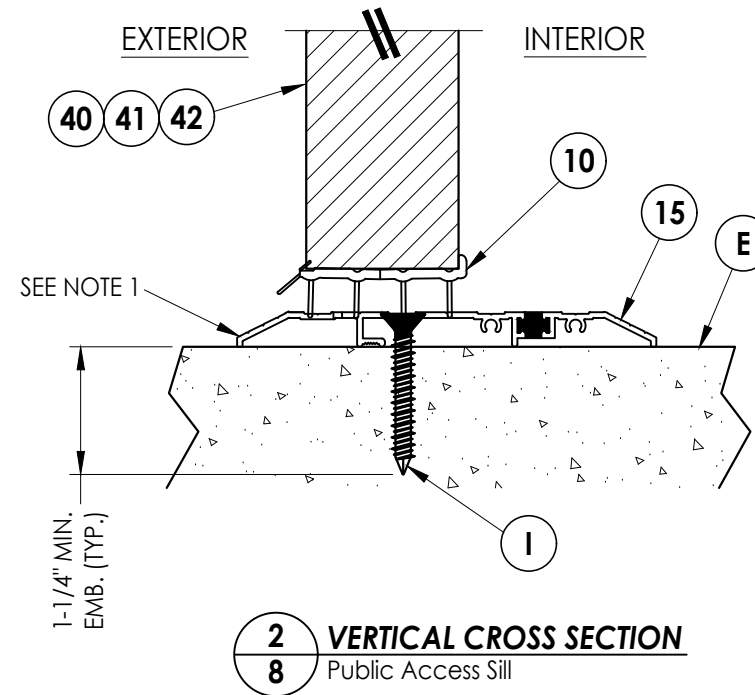
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7TH ED. (2020) FBC PO
		BY

DATE: 08/12/19
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-30077.9
SHEET 7 OF 14

1. Sill Item #s 17, 18, & 19 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item # 16 is 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 screws at each end.
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along sill).



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Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:

[illegible]

4" (TYP.)
8" (TYP.)

4" (TYP.)
8" (TYP.)

4" (TYP.)

19" MAX. O.C. (TYP.)

2X BUCK (TYP.)

MASONRY (TYP.)

HEAD & JAMBS (TYP.)

ASTRAGAL

MULLION

OXO

Architectural section drawing of a window assembly. The drawing shows a cross-section of a window frame and glazing system. Key components and dimensions are labeled:

- ASTRAGAL**: The vertical component separating the glass panes.
- MULLION**: The vertical component supporting the glass panes.
- JAMBS**: The side components of the window frame.
- Dimensions**:
 - 4" (TYP.)
 - 8" (TYP.)
 - 4" (TYP.)
 - 8" (TYP.)
 - 4" (TYP.)
 - 19" MAX. O.C. (TYP.)

[illegible]

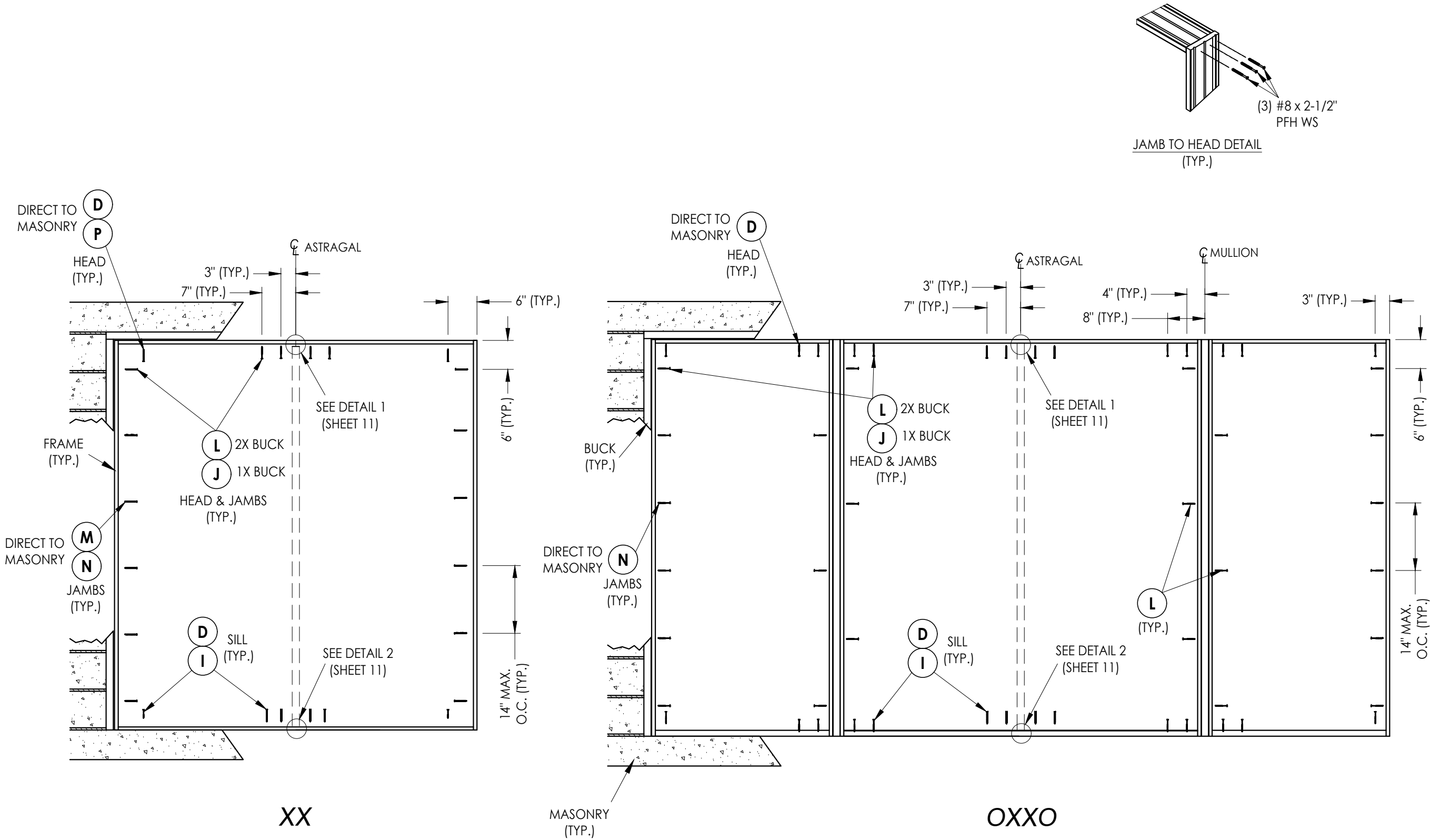
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY: BUCK ANCHORING

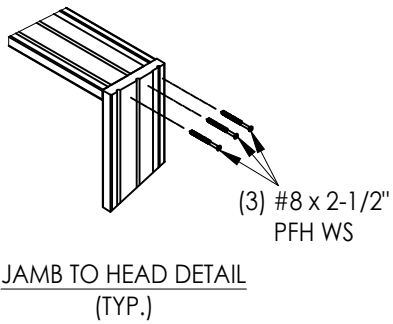
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

Z:\2023 FBC Drawings\Therma-Tru\FL-30077 R3\FL-30077.7-9.dwg



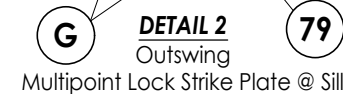
FRAME ANCHORING



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RWBUILDING 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	
		LFS	BY
		FBC	
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/15/20	UPDATE TO 7th ED (2020)	FBC
NO.	DATE		
REVISIONS			
DATE: 08/12/19			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-30077.9			
SHEET 10 OF 14			



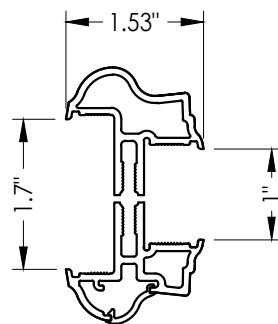
LATCH & DEADBOLT STRIKE DETAILS



MULTIPOINT LOCK STRIKE DETAILS

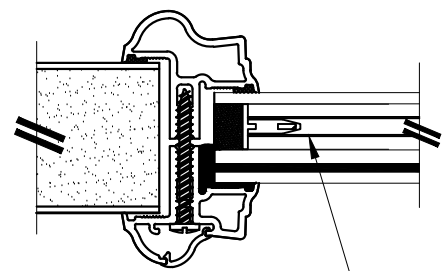
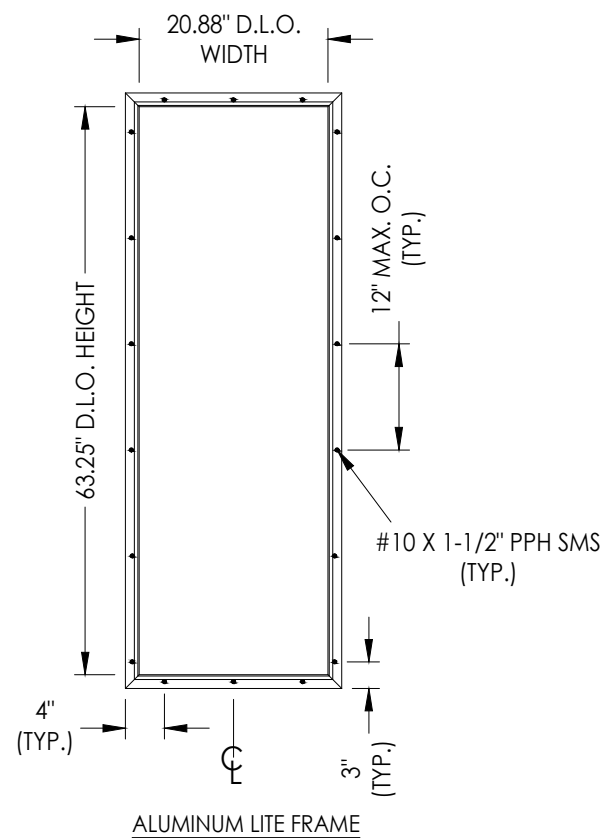
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G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites

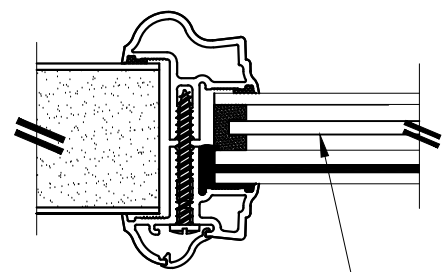


3A **ALUMINUM FRAME**

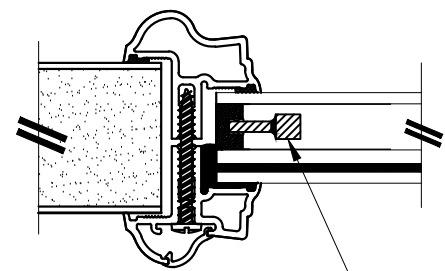
Aluminum Impact Lite Frame
Door Panels & Sidelites



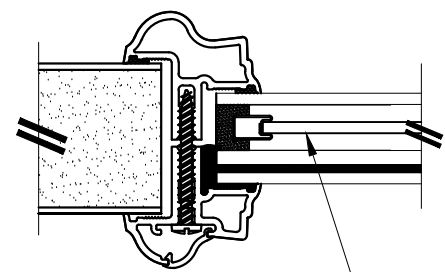
INTERNAL GRID (GBG)



PRIVACY INSERT



WROUGHT IRON INSERT



DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS

[illegible]

DATE: 08/12/19

SCALE: N.T.S.

DWG. BY: *RW*

CHK. BY: *LFS*

DRAWING NO.:

FL-30077.9

SHEET 12 OF 14

SHEET 12 OF 17

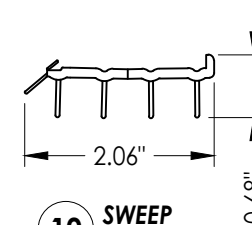
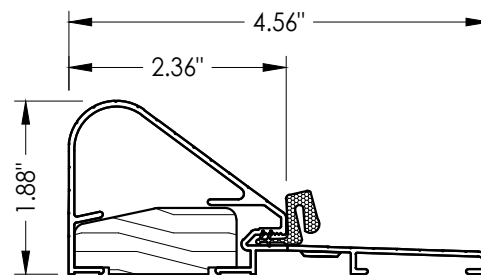
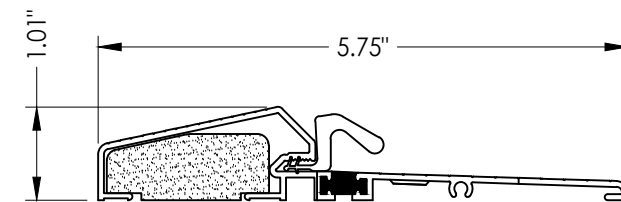
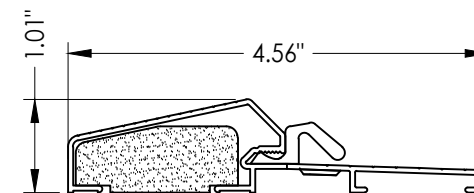
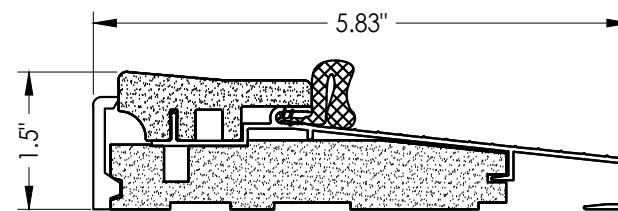
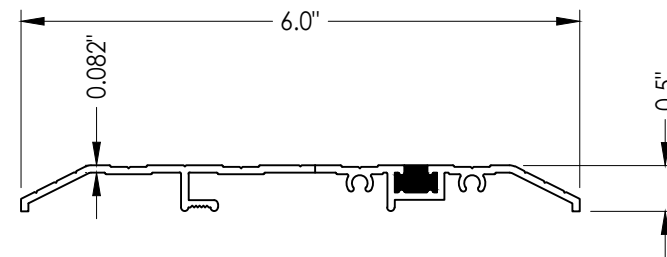
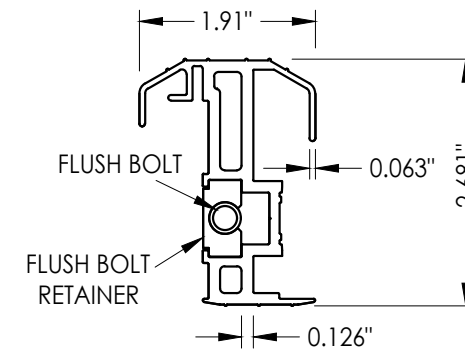
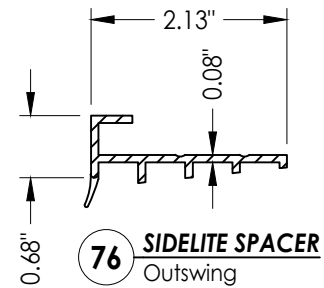
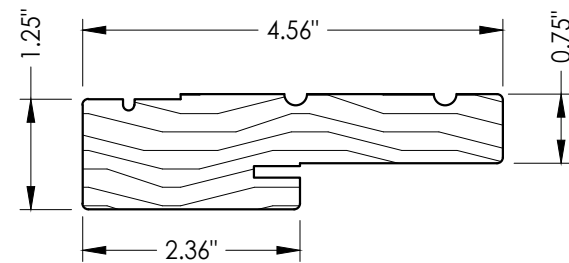
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

T: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

GLAZING DETAILS

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

[illegible]

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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
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
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
1	JAMB (FINGER JOINT PINE)	WOOD
6	WEATHERSTRIP (MEDIUM REACH)	FOAM
7	WEATHERSTRIP (LONG REACH)	FOAM
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	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

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
30	LATCH & DEADBOLT STRIKE PLATE	STEEL
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE	-
76	SIDELITE SPACER (OUTSWING)	PVC
78	MULTIPOINT LOCK STRIKE PLATE @ HEAD	STEEL
79	MULTIPOINT LOCK STRIKE PLATE @ SILL	STEEL
80	ASTRAGAL STRIKE PLATE	STEEL
88	2X MULLION (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.

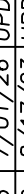
CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
3. Concrete anchor table:

ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"

WOOD SCREW INSTALLATION NOTES:

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

DATE: 08/12/19		PRODUCT: 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: RW					
CHK. BY: LFS					
DRAWING NO.: FL-30077.9					
SHEET 14 OF 14					
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	PO	
NO.	DATE			BY	
					REVISIONS