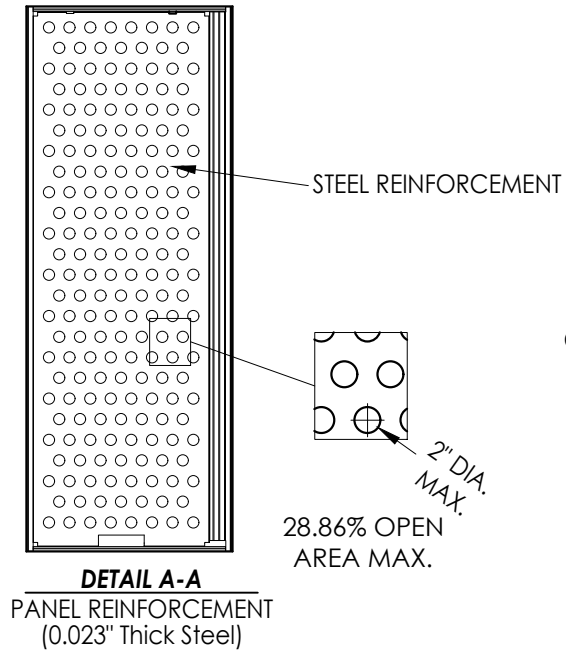
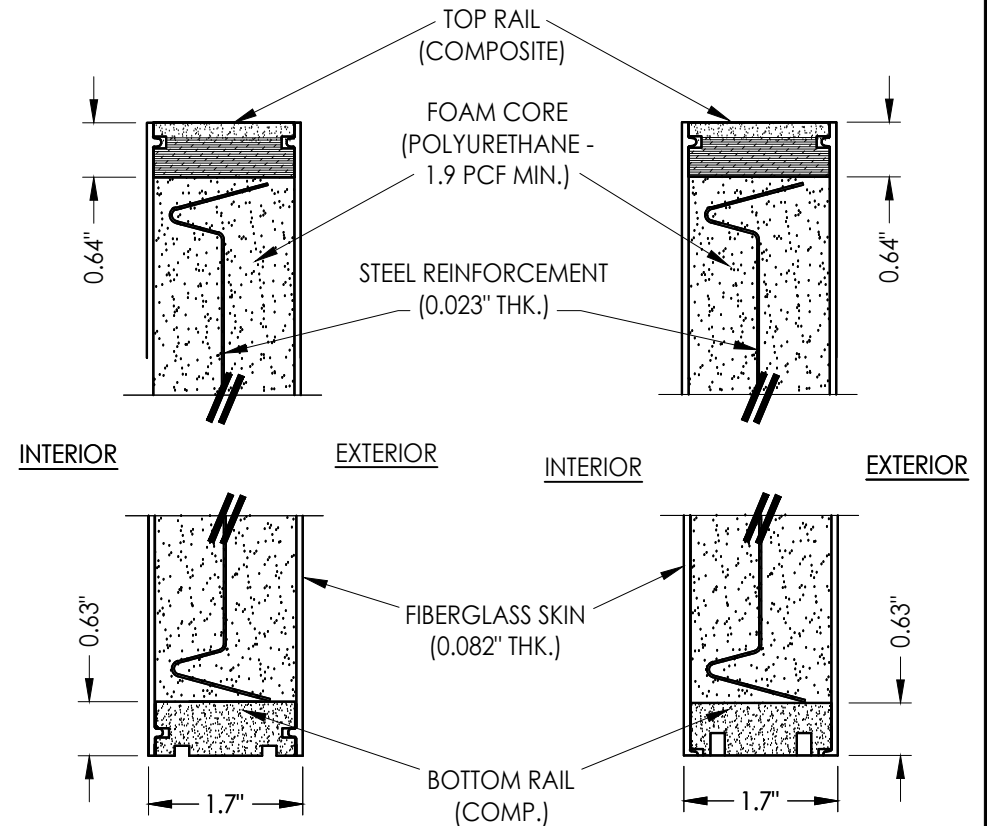
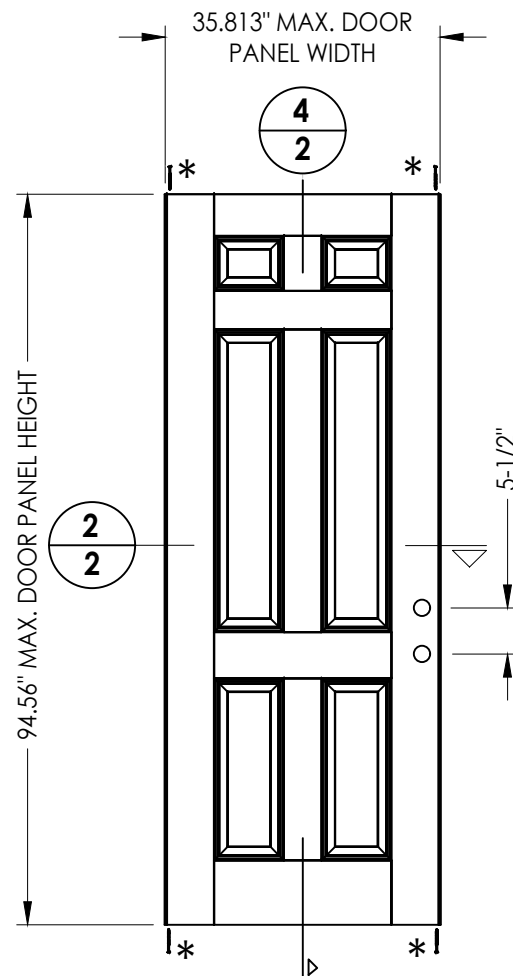
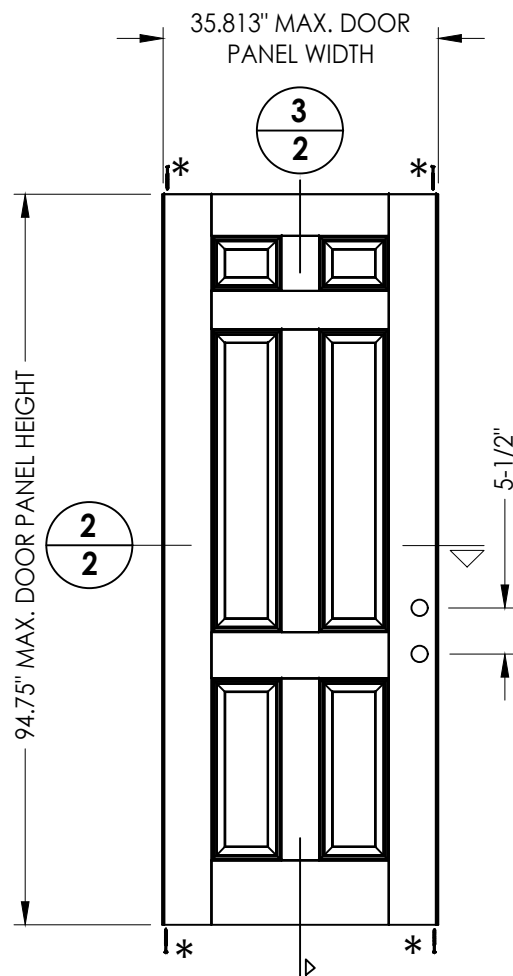
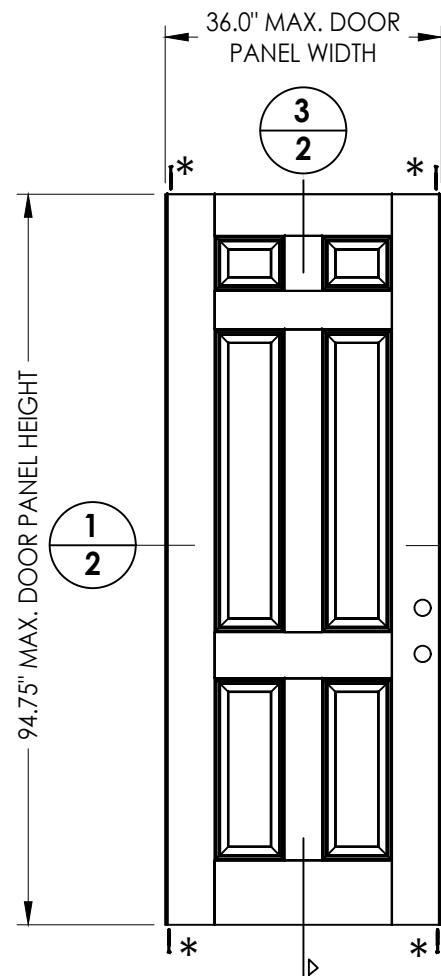
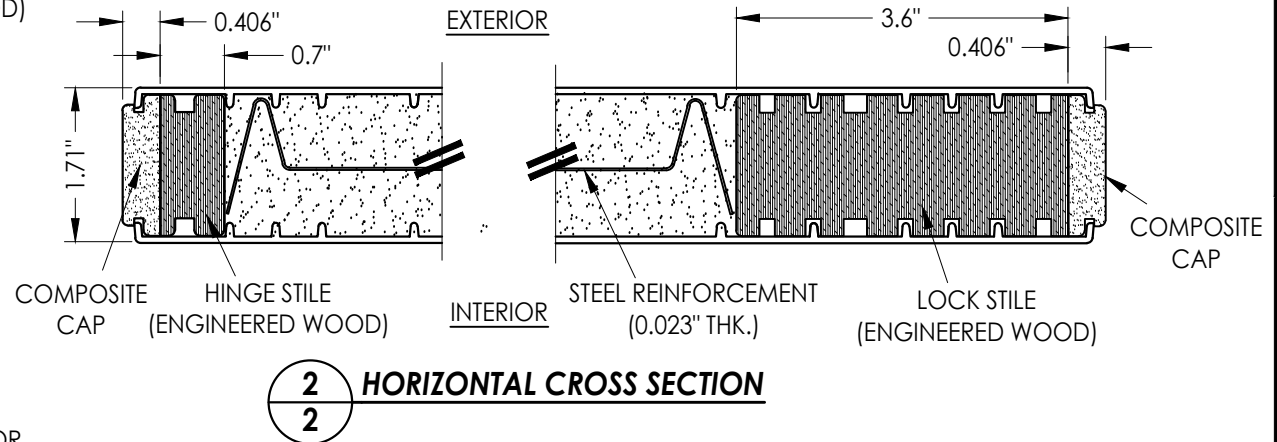
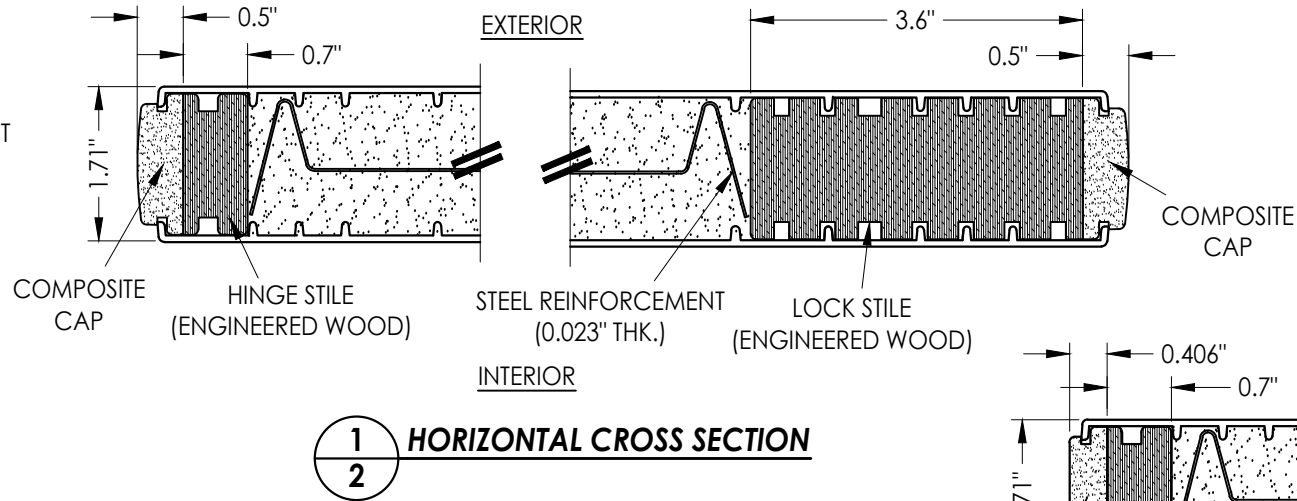


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* #8 X 2.5\"/>



3
2 VERTICAL CROSS SECTION

4
2 VERTICAL CROSS SECTION

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

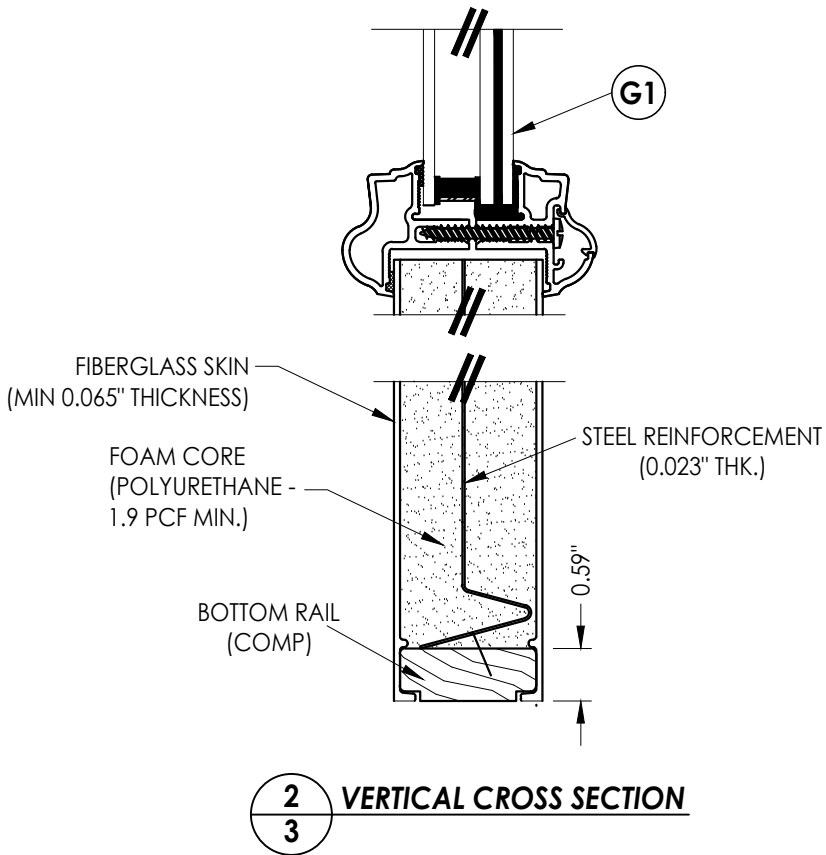
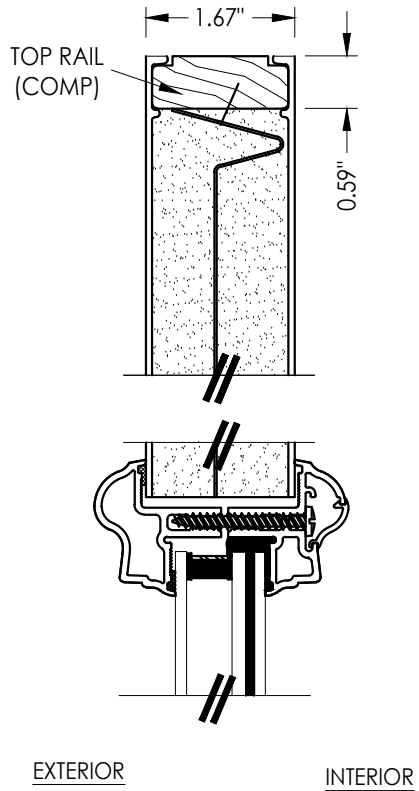
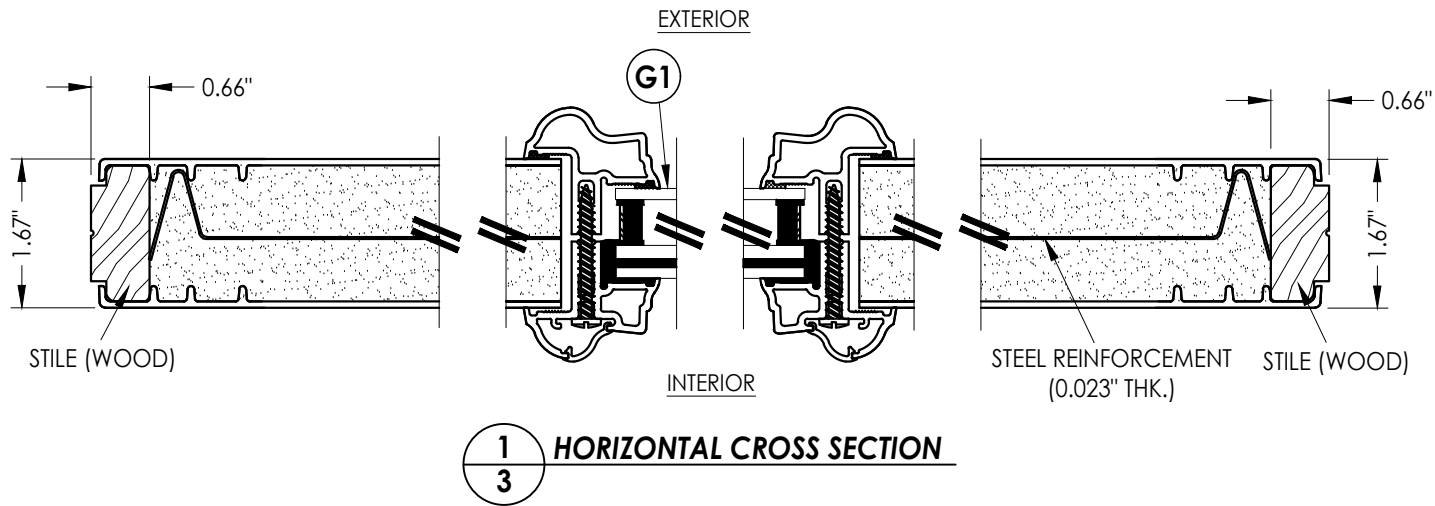
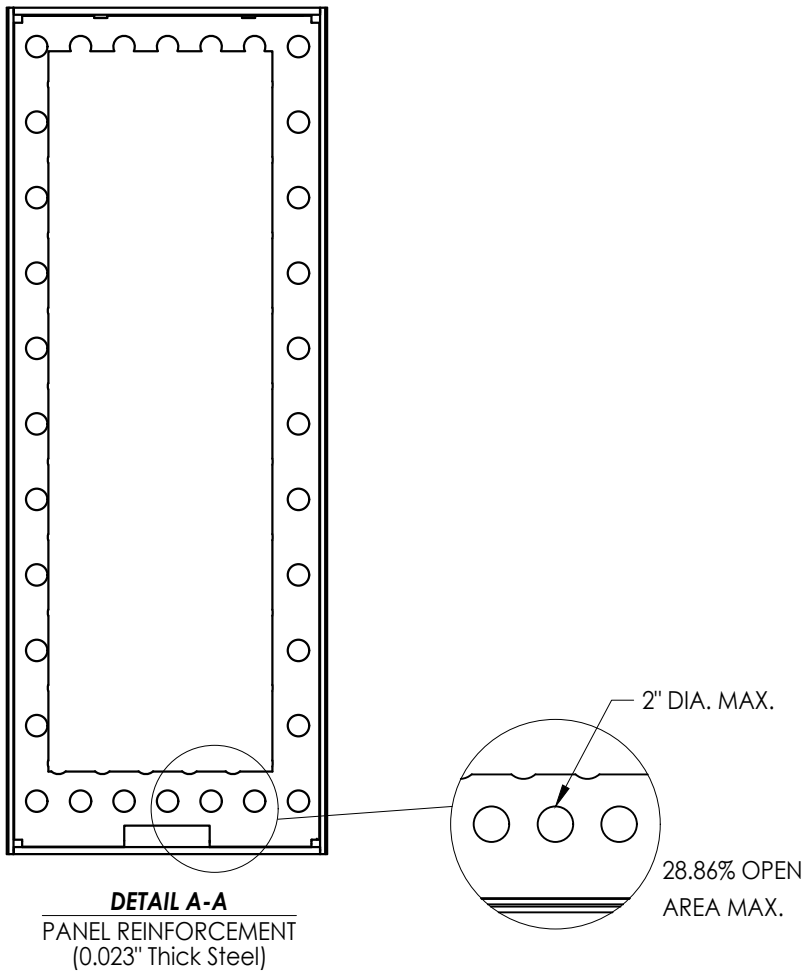
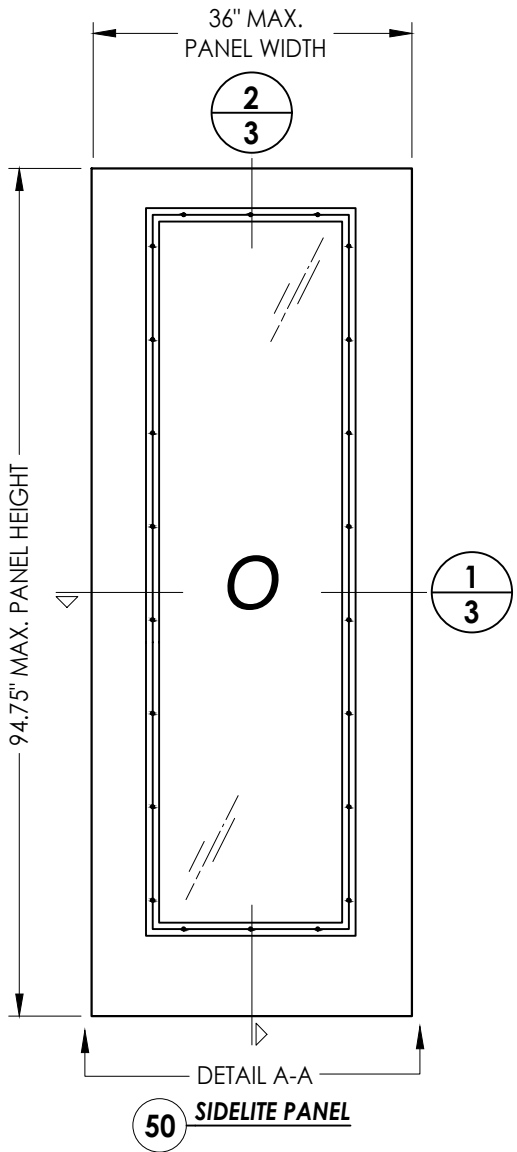
PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS			
		BY	PO	LFS	FBC
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-30077.18
SHEET 2 OF 14

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-30077.16-18.dwg



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

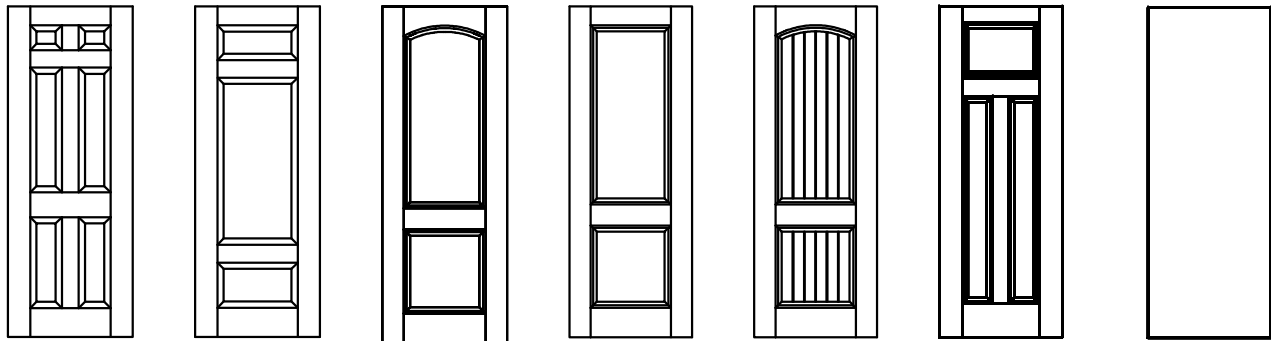
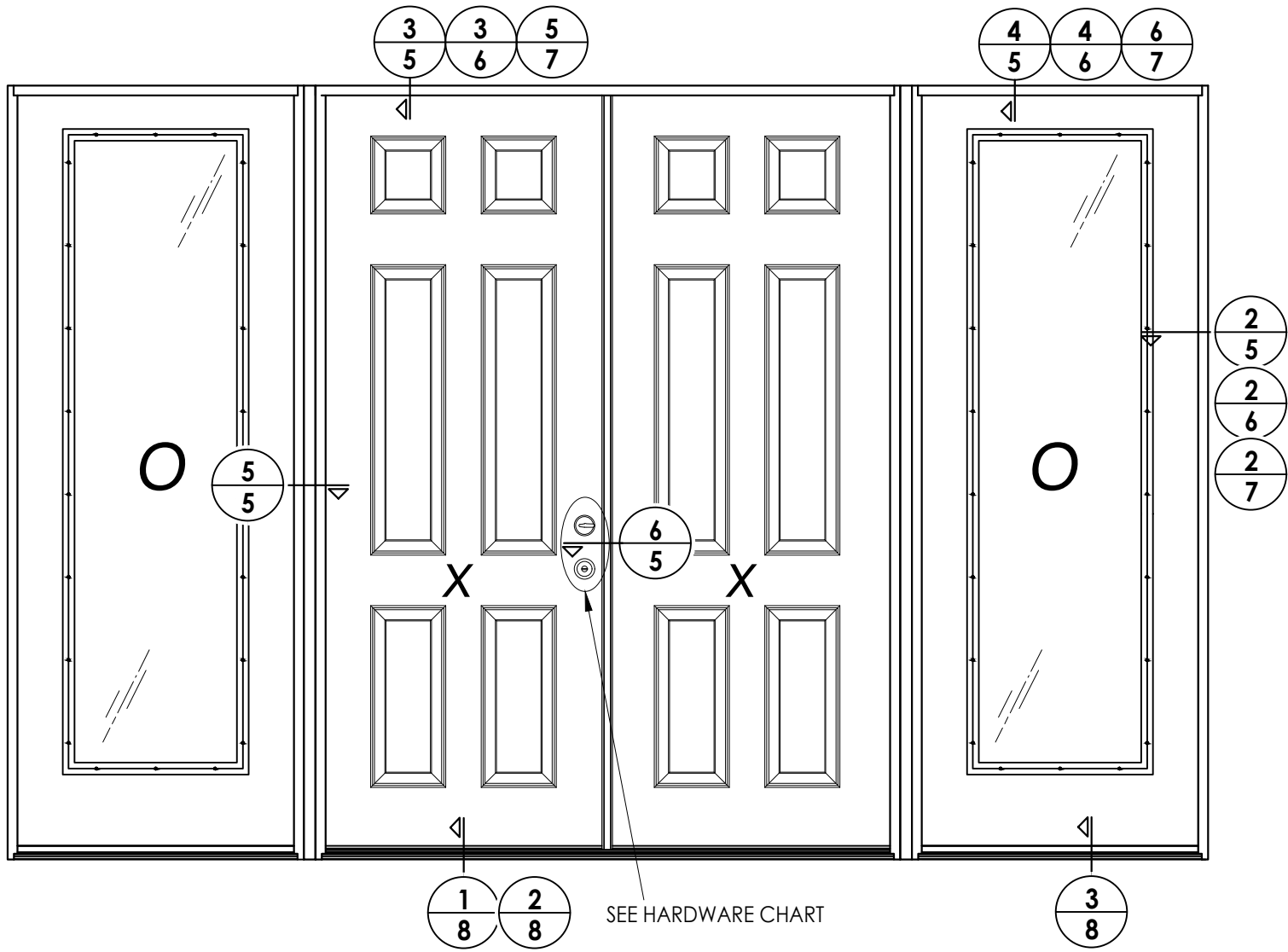
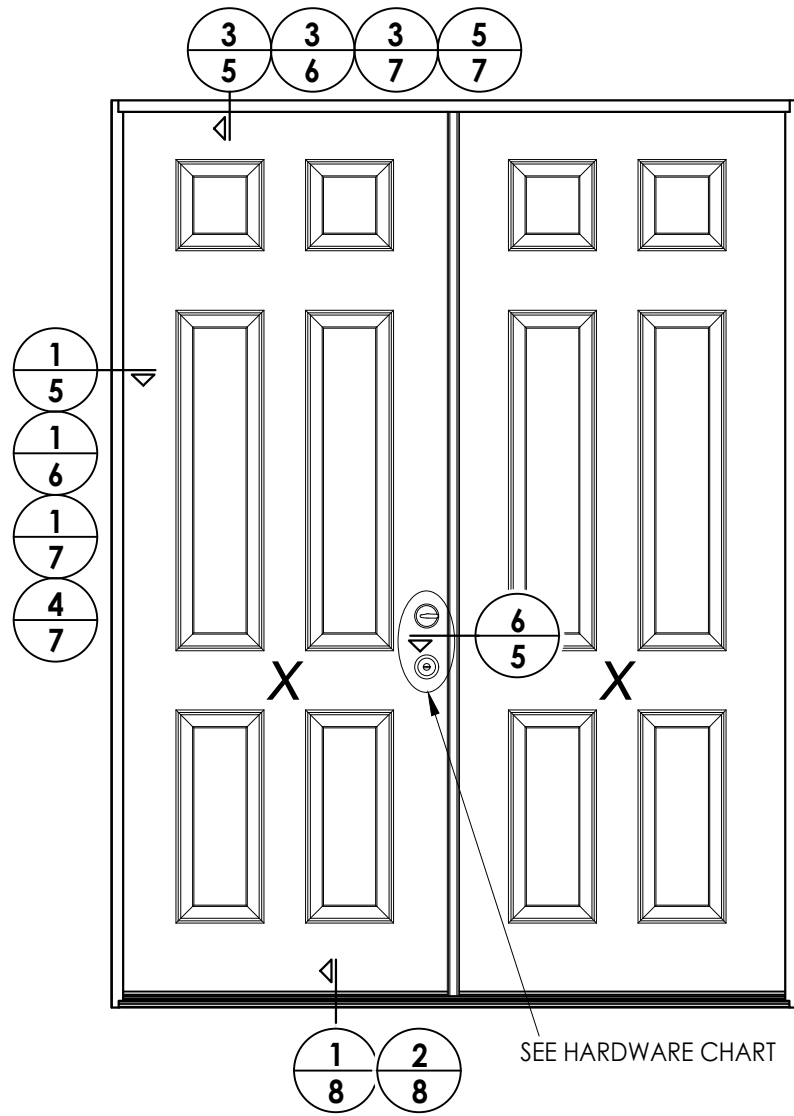
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

NO.	DATE	REVISIONS		
		BY	PO	LFS
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-30077.18
SHEET	3 OF 14

Z:\2023 FBC Drawings\Therma-Tru\FL-30077 R3\FL-30077.16-18.dwg



Fiber-Classic/Smooth-Star Door Panel Options

Panel options shown are for illustration and are representative only
(similar opaque 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)	

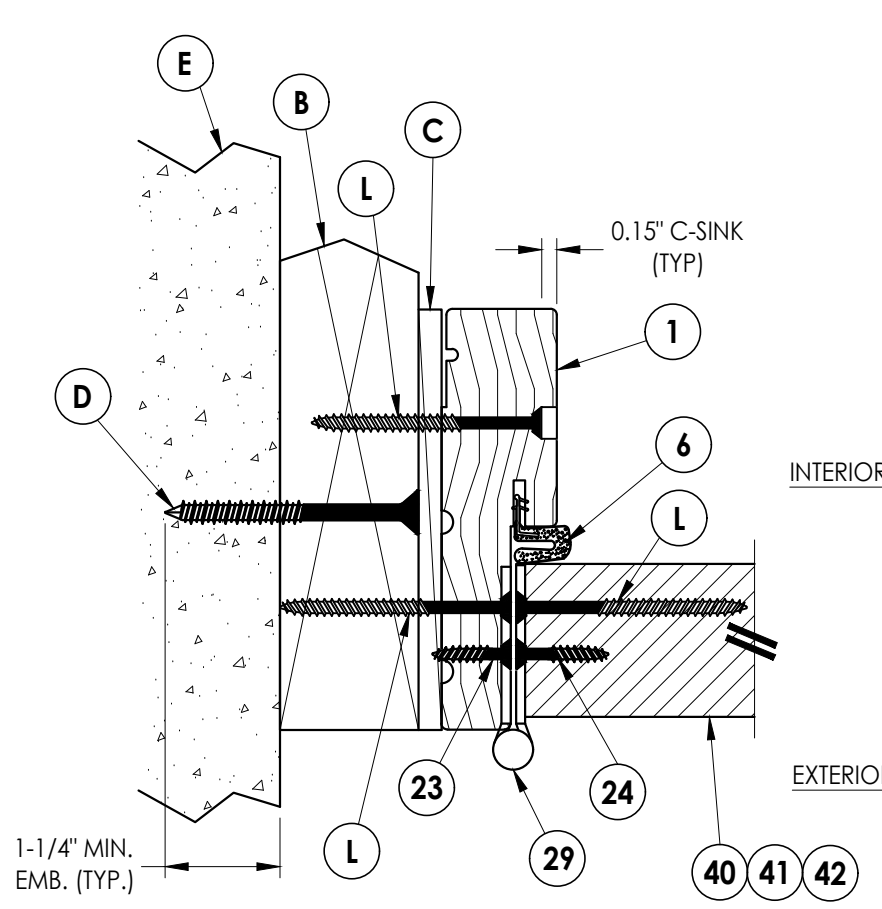
REVISIONS			
NO.	DATE	BY	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC PO
DATE: 08/12/19			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-30077.18			
SHEET 4 OF 14			

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

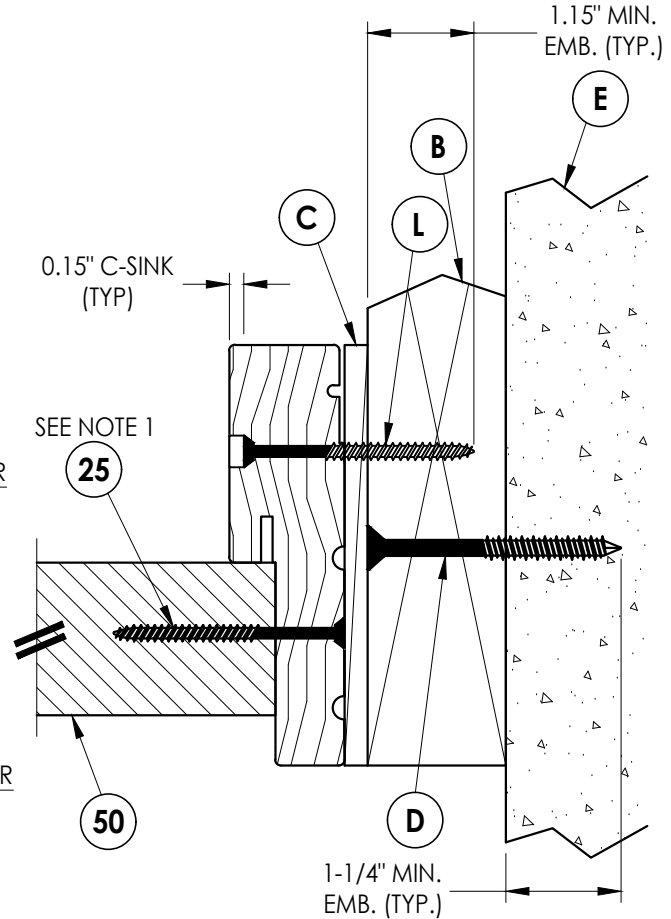
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

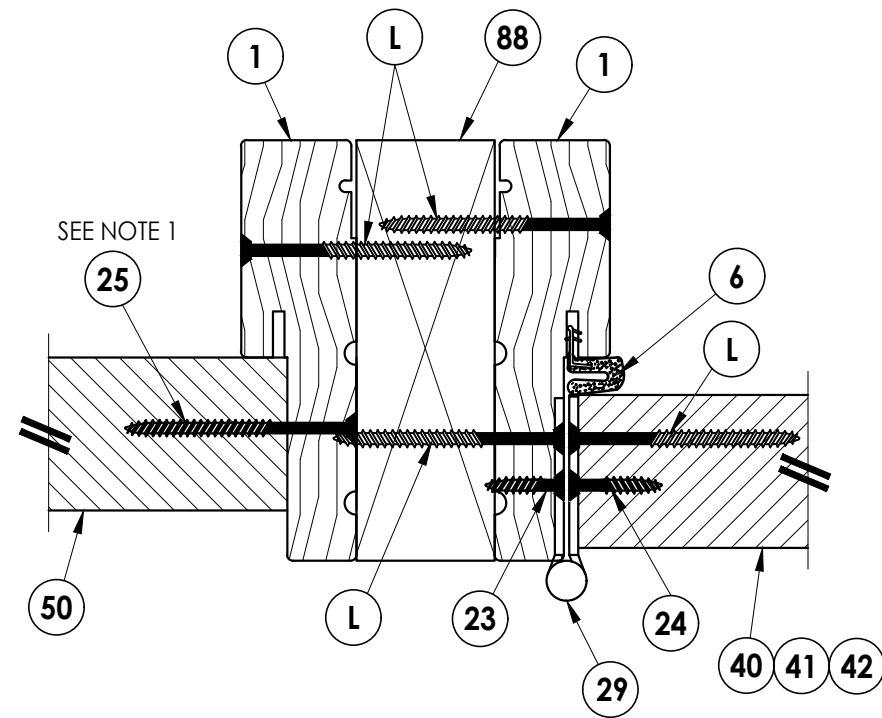
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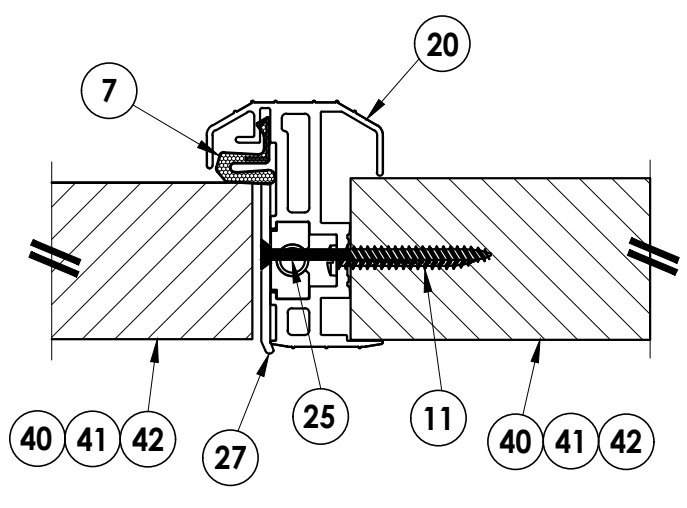
1
5 HORIZONTAL CROSS SECTION



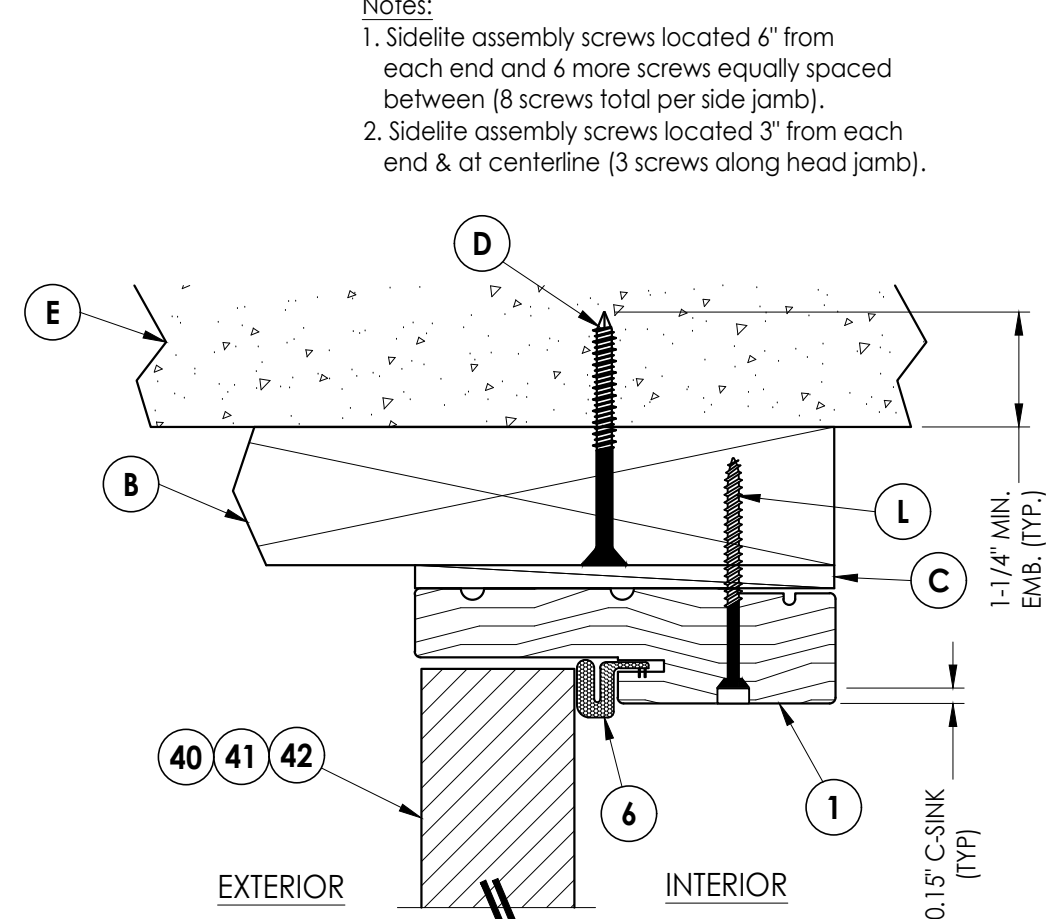
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5 HORIZONTAL CROSS SECTION



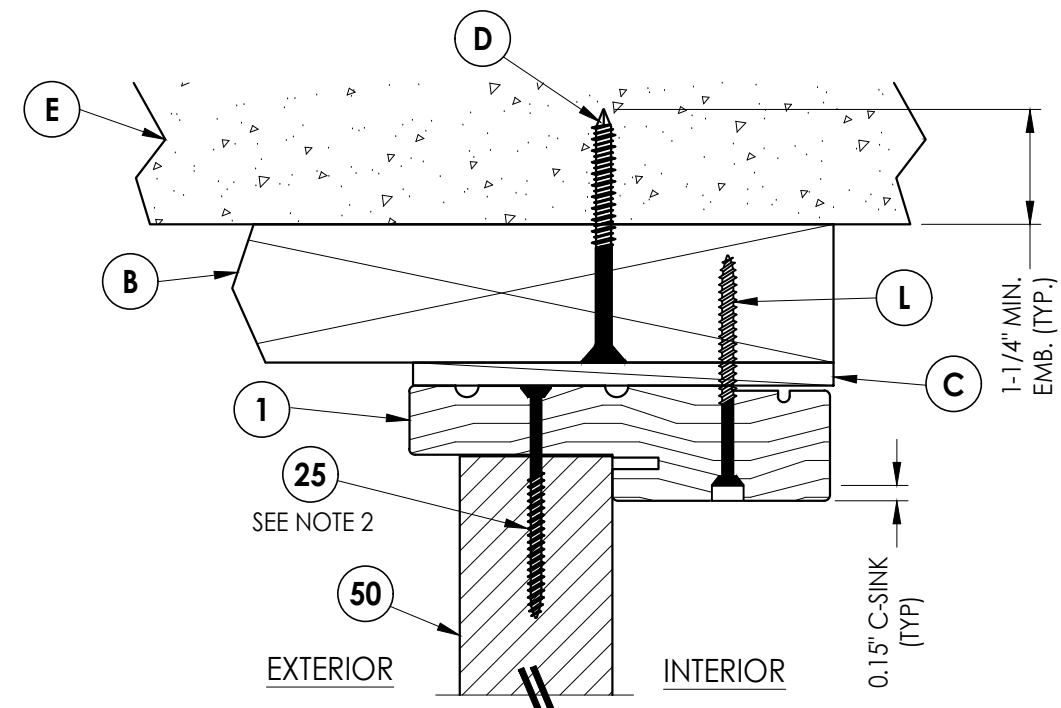
5
5 HORIZONTAL CROSS SECTION



6
5 HORIZONTAL CROSS SECTION



3
5 VERTICAL CROSS SECTION



4
5 VERTICAL CROSS SECTION

- Notes:
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).

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

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

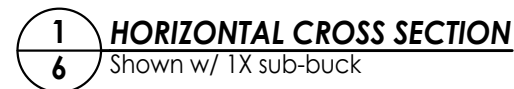
CHK. BY: LFS

DRAWING NO.:
FL-30077.18

SHEET 5 OF 14

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

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).



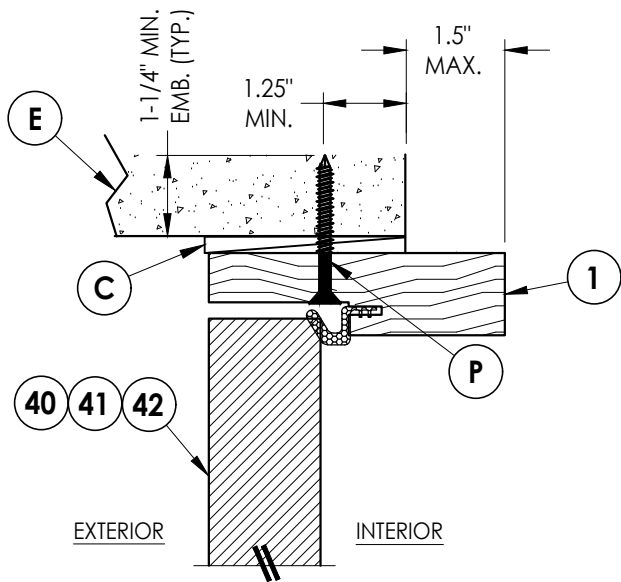
DATE:	08/12/19
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-30077.18
SHEET	6 OF 14

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

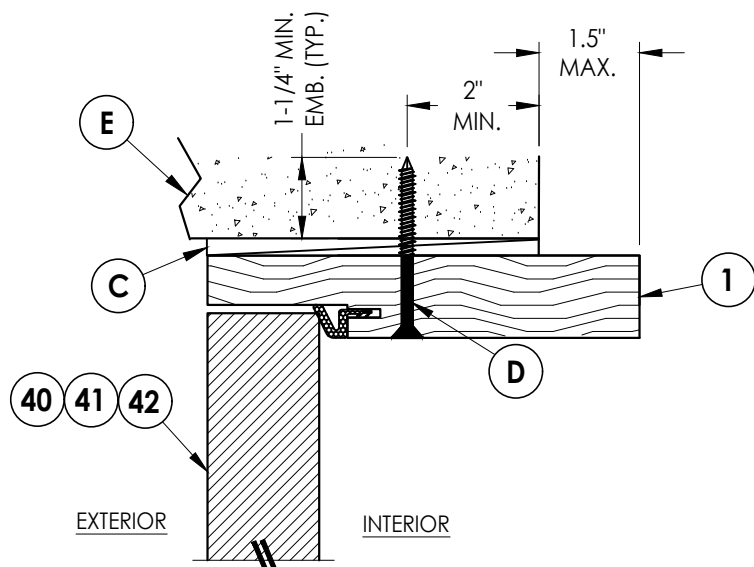
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

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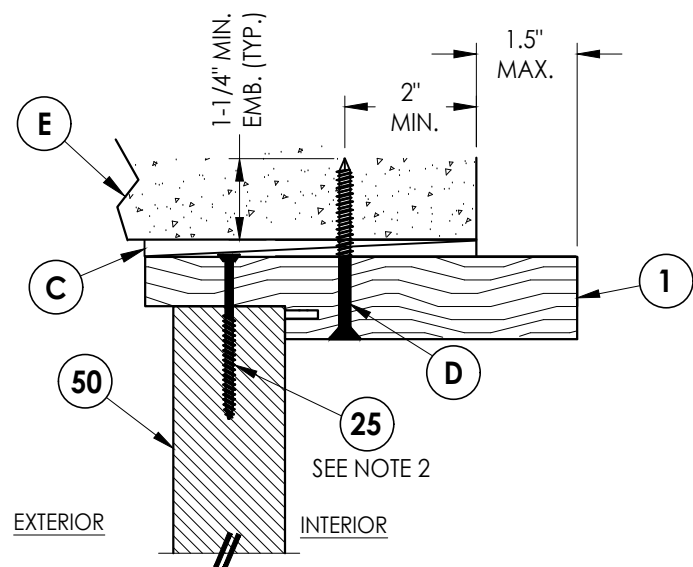
Z:\2023 FBC Drawings\Therma-Tru\FL-30077 R3\FL-30077.16-18.dwg



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



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

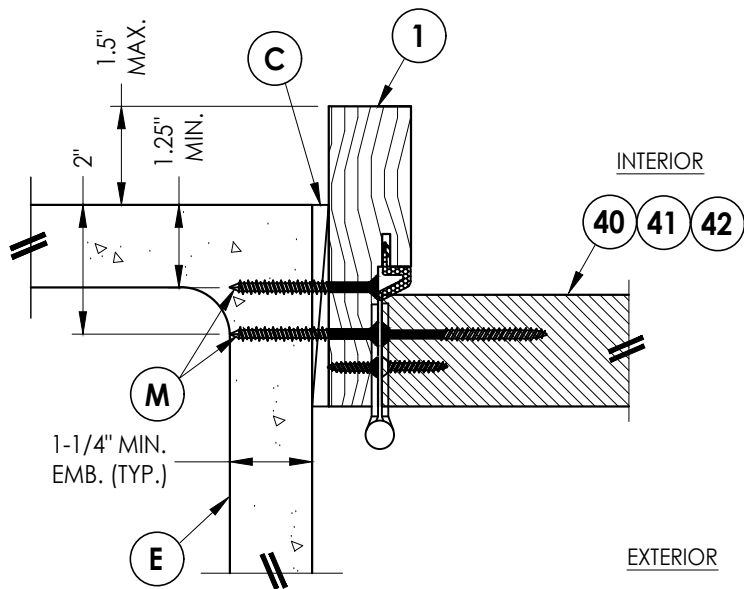


6/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
w/ 6-9/16" jamb

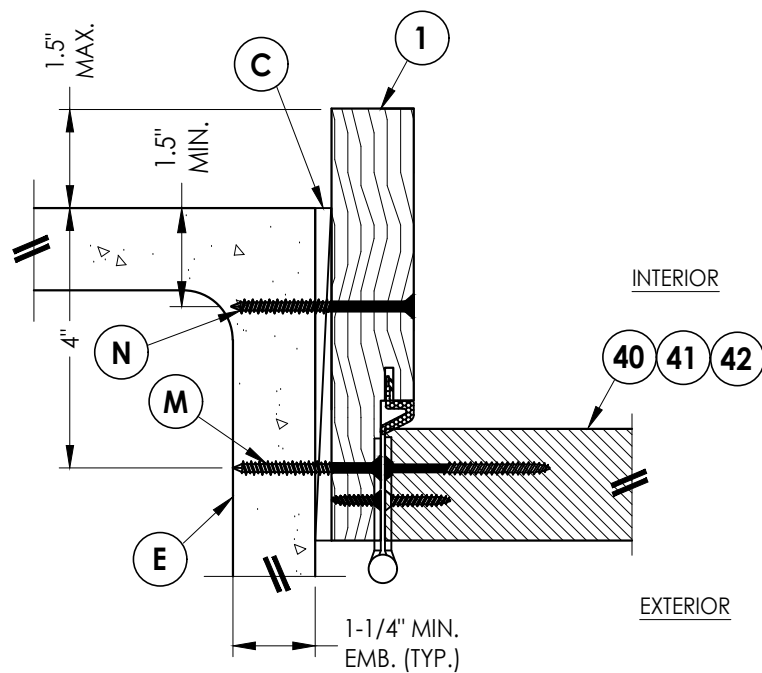
Notes:

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).

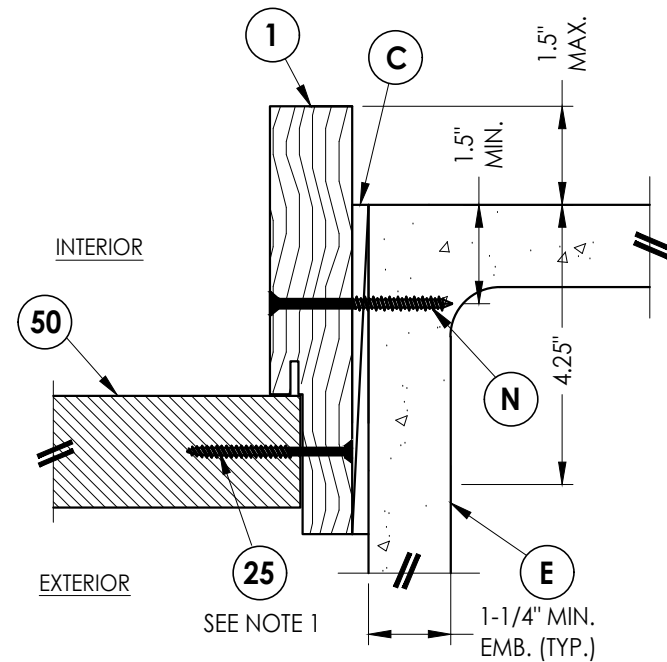
DIRECT TO MASONRY MAX. DESIGN PRESSURE:
± 47 PSF



1/7 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



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



2/7 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
w/ 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)

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

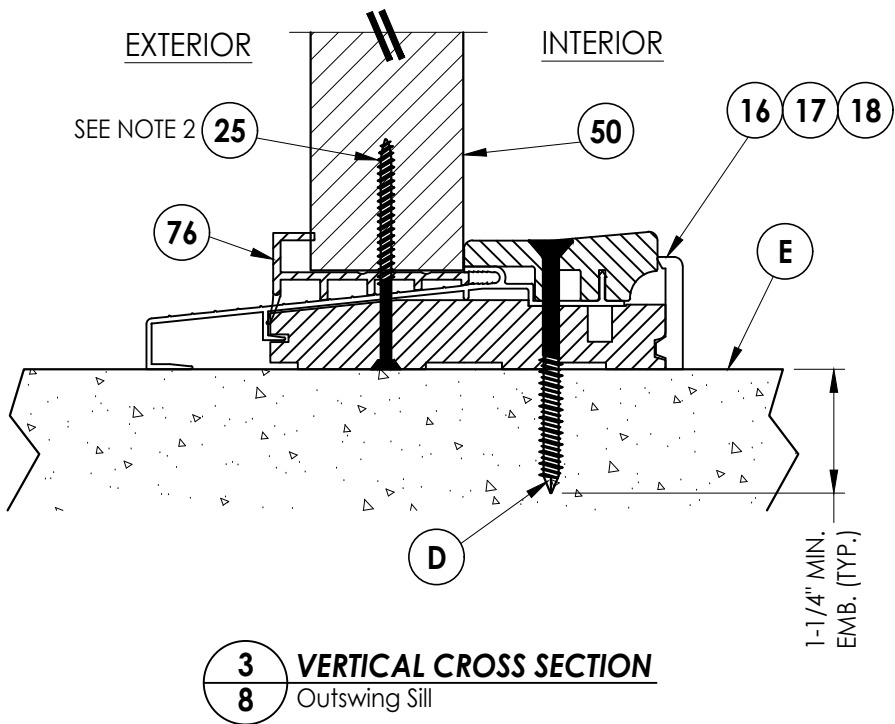
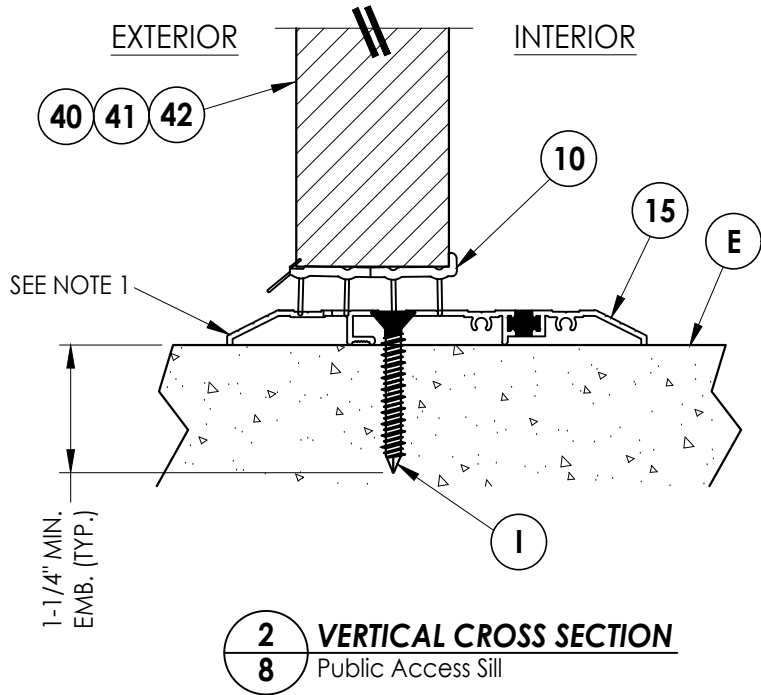
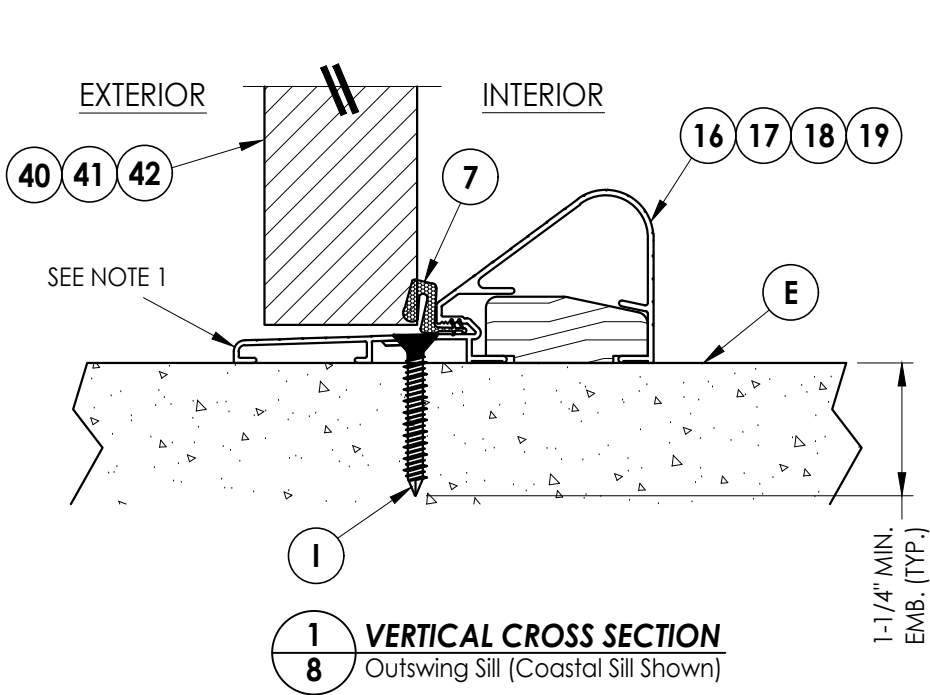
DRAWING NO.:

FL-30077.18

SHEET 7 of 14

Z:\2023 FBC Drawings\Therma-Tru\FL-30077 R3\FL-30077.16-18.dwg

- Notes:
- 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).



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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS			
		DATE	BY	PO	LFS
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

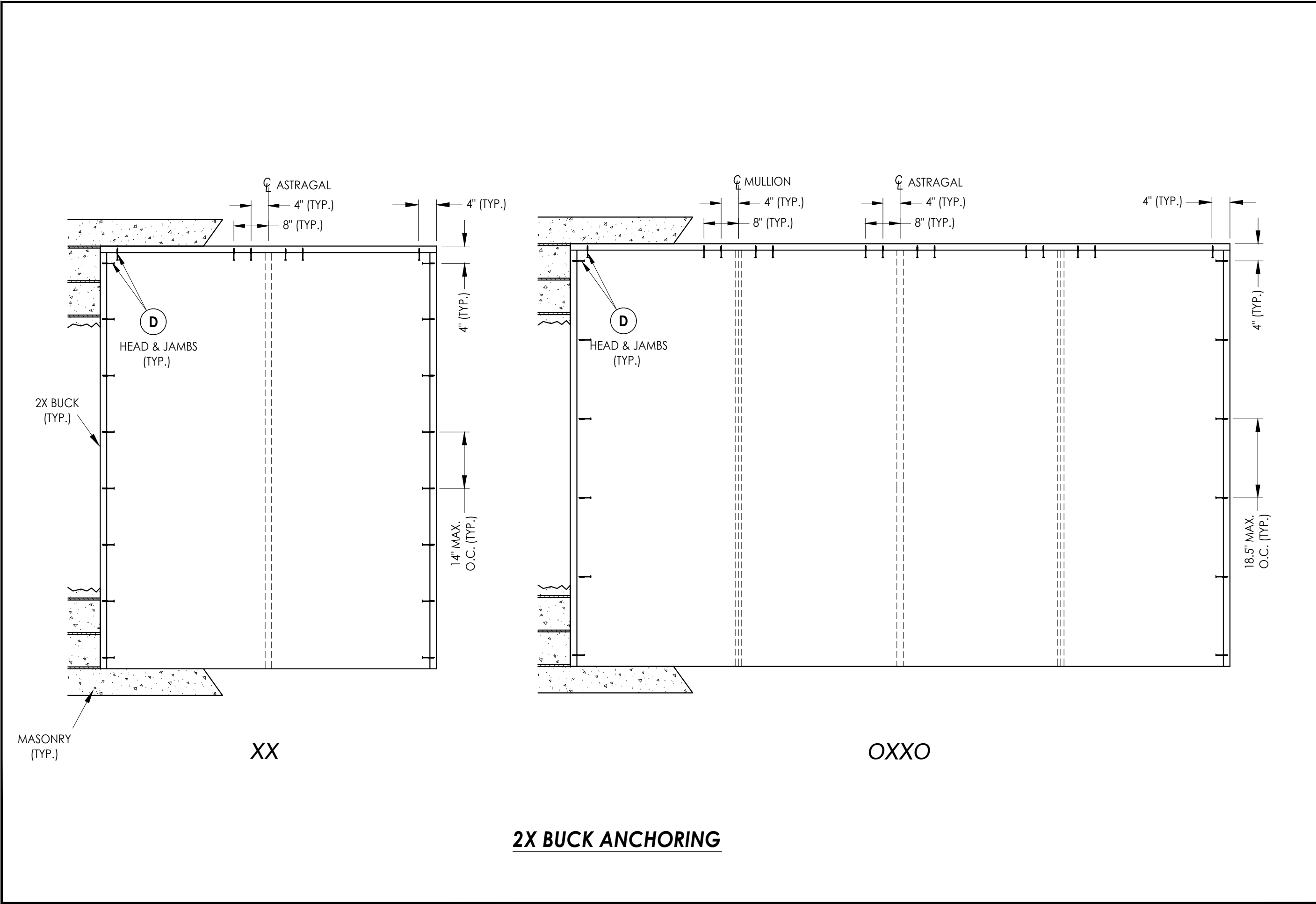
CHK. BY: LFS

DRAWING NO.:

FL-30077.18

SHEET 8 OF 14

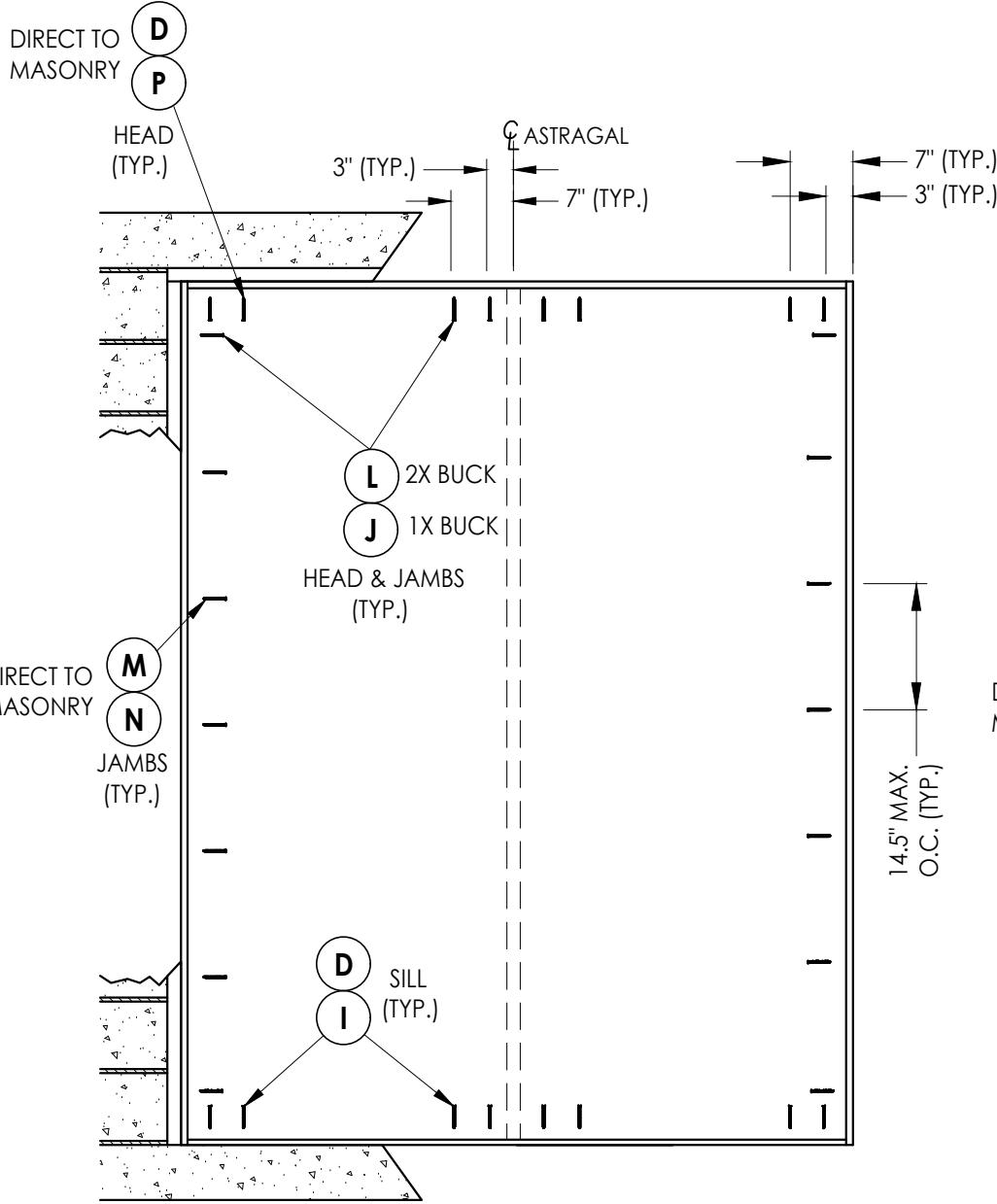
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2X BUCK ANCHORING

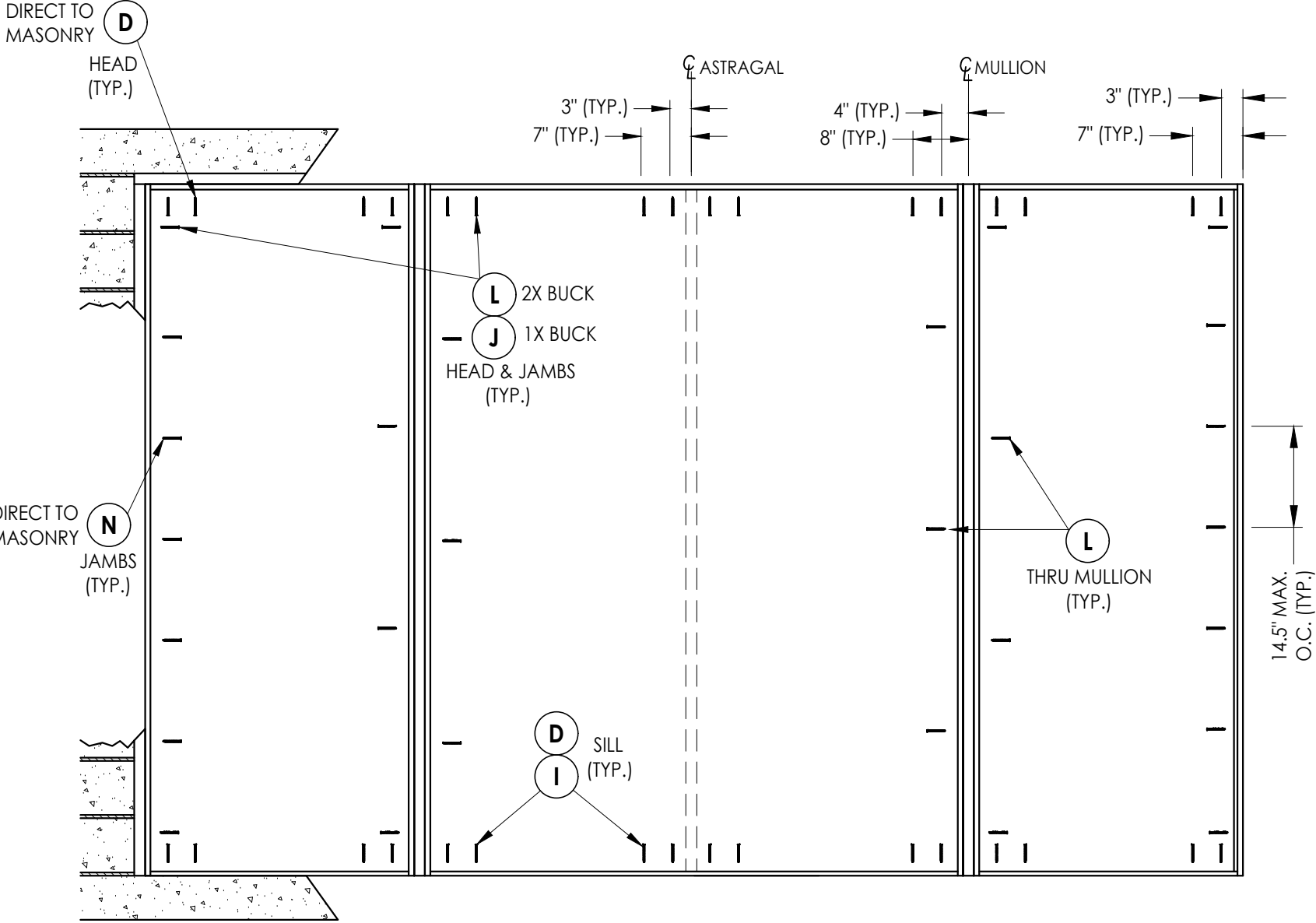
DATE: 08/12/19				Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
SCALE: N.T.S.				PRODUCT: THERMA-TRU FIBERGLASS DOOR			
DWG. BY: RW							
CHK. BY: LFS				PART OR ASSEMBLY: BUCK ANCHORING			
DRAWING NO.: FL-30077.18							
SHEET 9 OF 14				RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			

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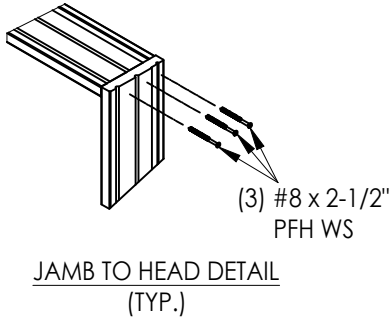


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FRAME ANCHORING

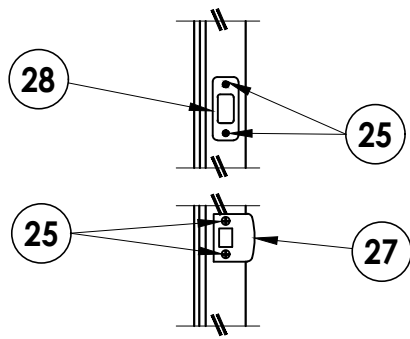


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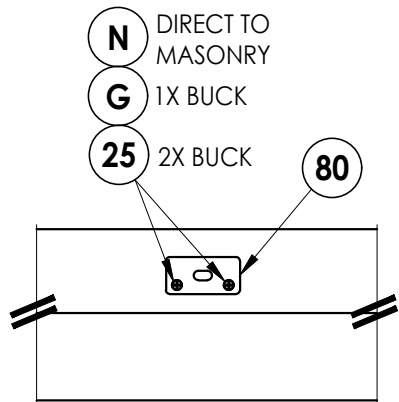


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING	
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/17/23	UPDATE TO 8TH 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			
CHK. BY: LFS			
DRAWING NO.: FL-30077.18			
SHEET 10 OF 14			

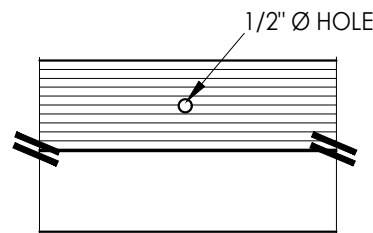
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LATCH & DEADBOLT DETAIL
Schlage / Kwikset

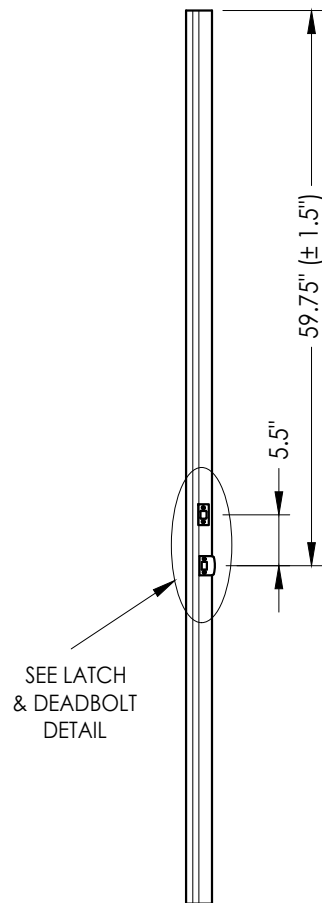


DETAIL 1
Coastal Astragal Strike Plate @ Head

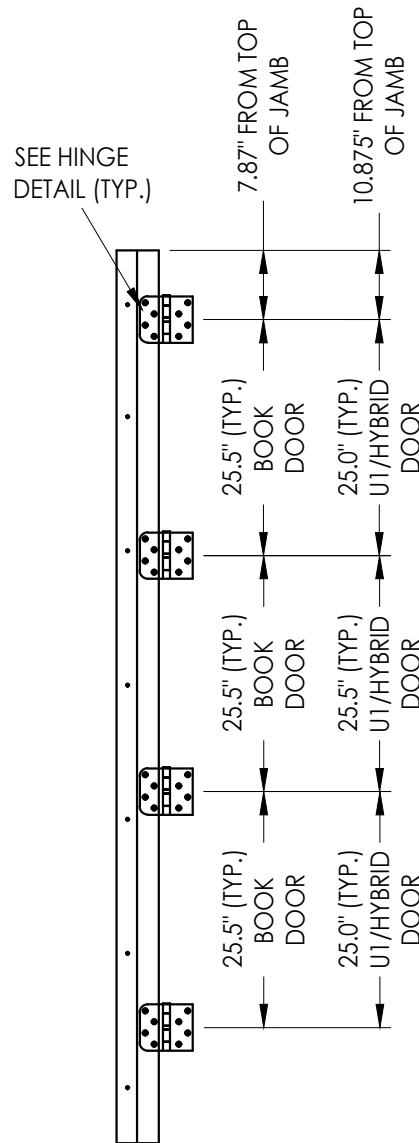


DETAIL 2
Outswing
Astragal Bolt Hole @ Sill

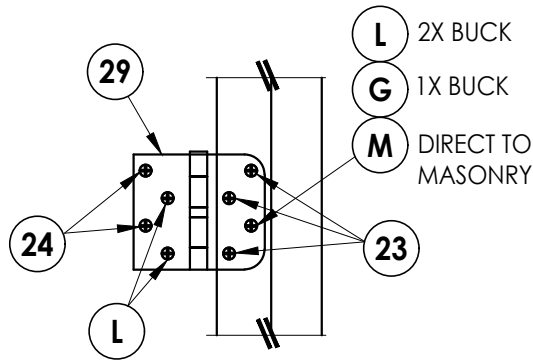
LATCH & DEADBOLT STRIKE DETAILS



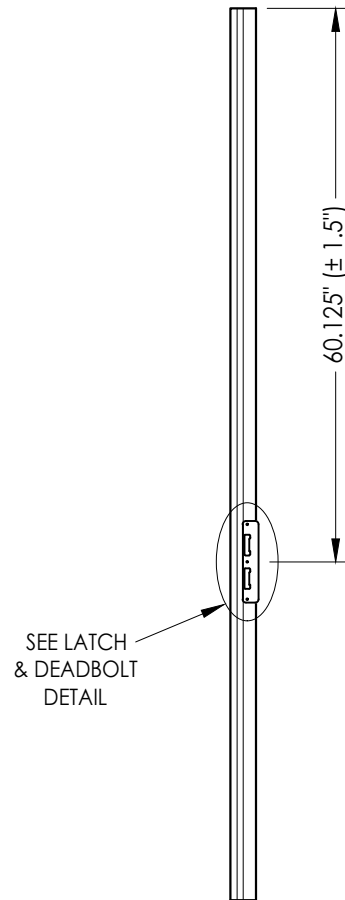
ASTRAGAL
Latch & Deadbolt



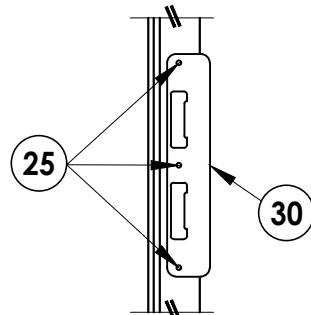
HINGE JAMB



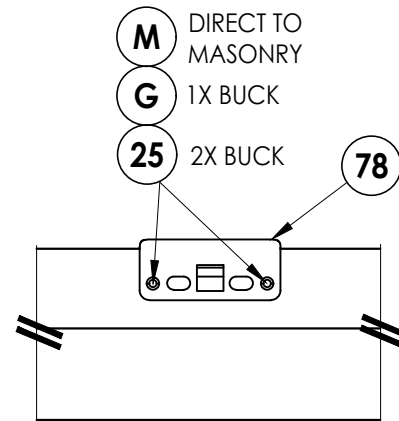
HINGE DETAIL



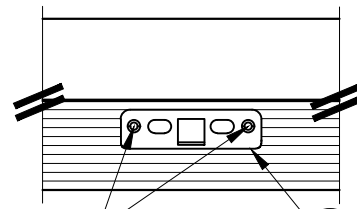
ASTRAGAL
Multipoint Lock



LATCH & DEADBOLT DETAIL
Multipoint Lock



DETAIL 1
Multipoint Lock Strike Plate @ Head



DETAIL 2
Outswing
Multipoint Lock Strike Plate @ Sill

MULTIPOINT LOCK STRIKE DETAILS

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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HARDWARE DETAILS

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.

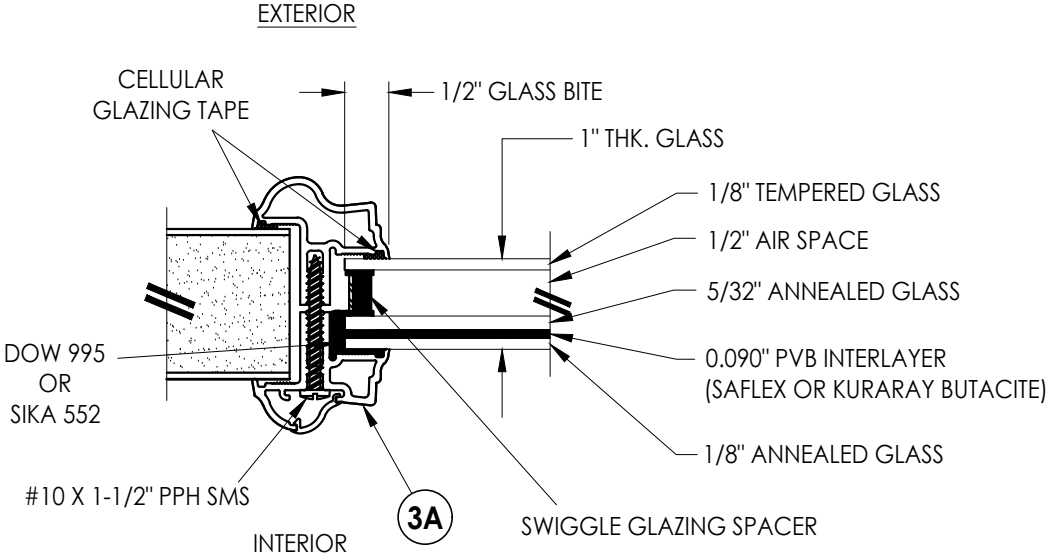
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CHK. BY: LFS

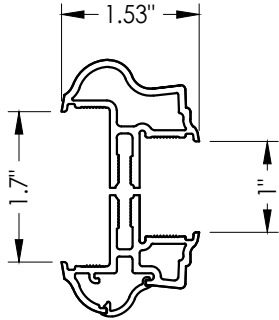
DRAWING NO.:
FL-30077.18

SHEET 11 OF 14

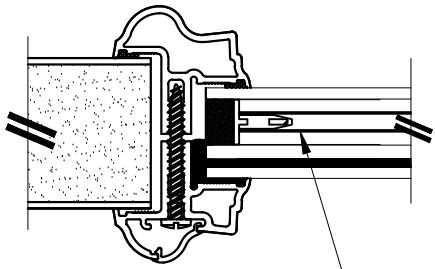
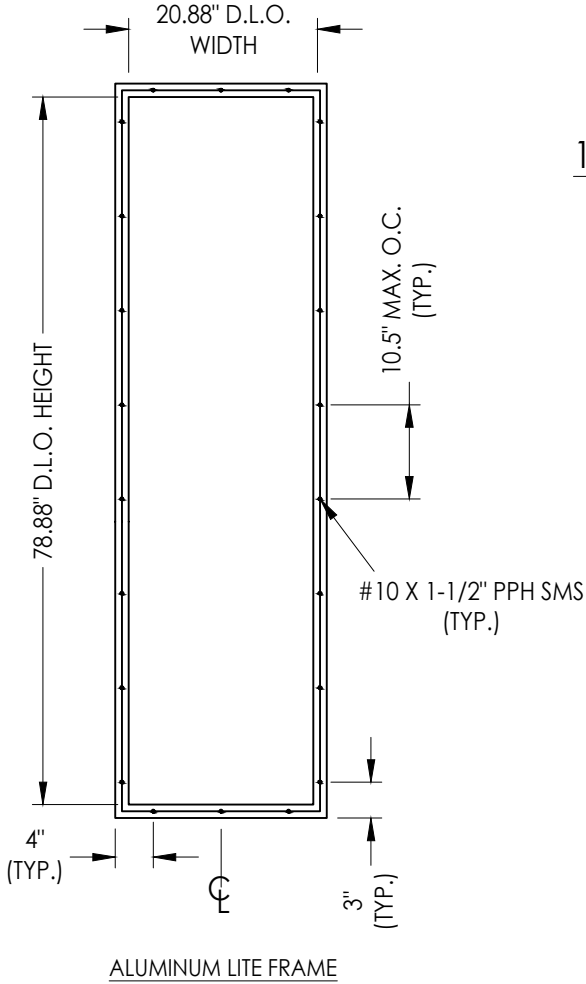
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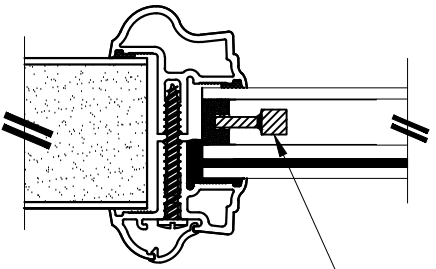
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



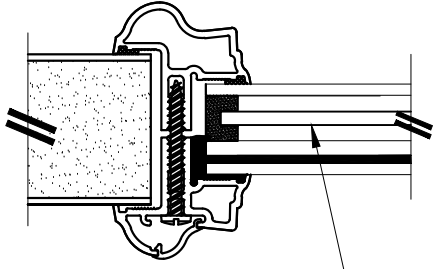
3A ALUMINUM FRAME
Aluminum Impact Lite Frame
Door Panels & Sidelites



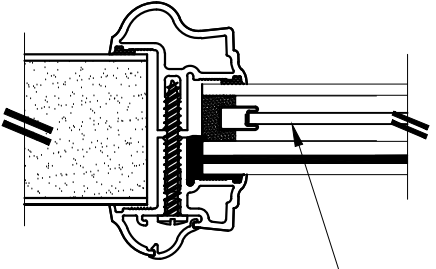
INTERNAL GRID (GBG)



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
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.

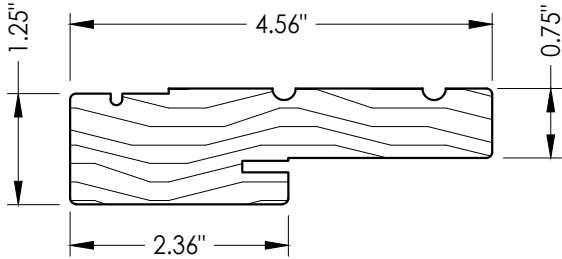
DWG. BY: RW

CHK. BY: LFS

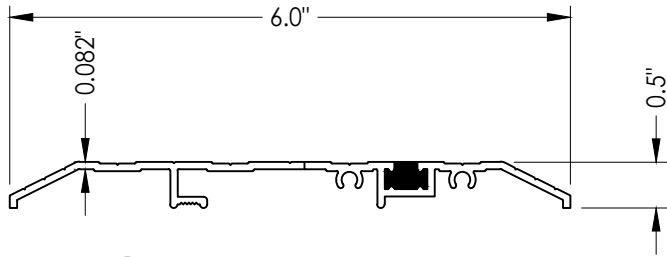
DRAWING NO.:
FL-30077.18

SHEET 12 OF 14

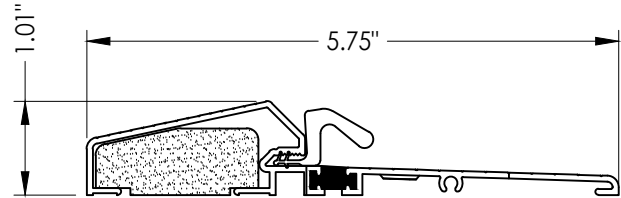
Z:\2023 FBC Drawings\Therma-Tru\FL-30077 R3\FL-30077.16-18.dwg



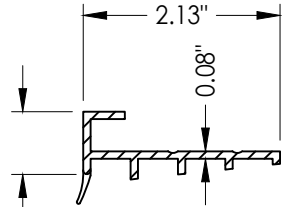
1 WOOD JAMB



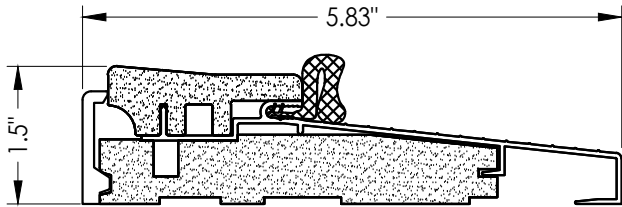
15 PUBLIC ACCESS THRESHOLD



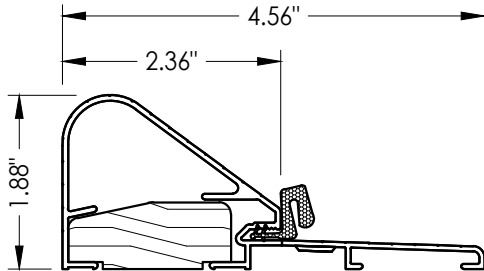
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



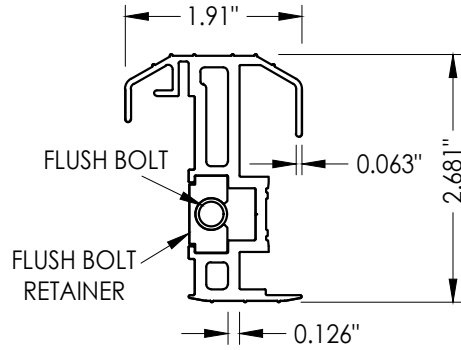
76 SIDELITE SPACER
Outswing



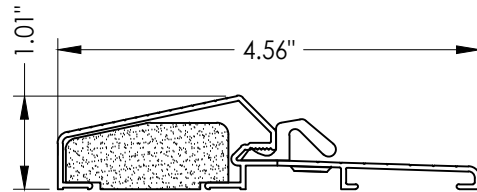
16 OUTSWING THRESHOLD
Composite Sill



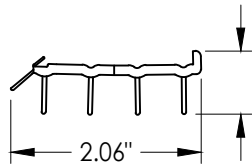
19 COASTAL OUTSWING THRESHOLD
Wood / Aluminum Sill



20 COASTAL ALUMINUM ASTRAGAL



17 OUTSWING THRESHOLD
Composite / Aluminum Sill



10 SWEEP

PRODUCT:		THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY:		COMPONENTS	
NO.	DATE	REVISIONS	BY	PO	LFS	FBC	LFS
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-30077.18

SHEET 13 OF 14

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
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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
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
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
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	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 (FULL LITE)	-
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.

[illegible]