



Technical drawings of the interior and exterior cross-sections of a door assembly.

INTERIOR View (Left):

- Overall thickness: 1.75"
- Composite cap thickness: 0.4"
- Hinge stile (LVL) width: 3.75"
- Labels: COMPOSITE CAP, HINGE STILE (LVL)

EXTERIOR View (Right):

- Composite cap thickness: 0.4"
- Latch stile (LVL) width: 3.75"
- Label: COMPOSITE CAP

1 HORIZONTAL CROSS SECTION

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	Signature Series
	Deadbolt:	Signature Series (980)
Schlage	Knob:	F51
	Deadbolt:	B60N
Yale	Knob:	YE Series
	Deadbolt:	YE Series

The diagram illustrates the cross-section of a composite deck, showing both the interior and exterior views. The interior view (top) shows a composite cap (0.4" thick) on top of a top rail (LVL), which is 1.15" thick. Below the rail is a fiberglass skin. The exterior view (bottom) shows a foam core (1.15" thick) below the fiberglass skin, with a bottom rail reinforcement (LVL) and a bottom rail (comp.) (0.7" thick) at the base. The total thickness of the deck is 2.9" (0.4" + 1.15" + 1.15" + 0.7").

Labels:

- COMPOSITE CAP
- TOP RAIL (LVL)
- FIBERGLASS SKIN
- FOAM CORE
- BOTTOM RAIL REINFORCEMENT (LVL)
- BOTTOM RAIL (COMP.)

Dimensions:

- 0.4"
- 1.15"
- 1.15"
- 0.7"

2 VERTICAL CROSS SECTION
2

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

PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:

[illegible]

DATE: 6/17/25

SCALE: *N.T.S.*

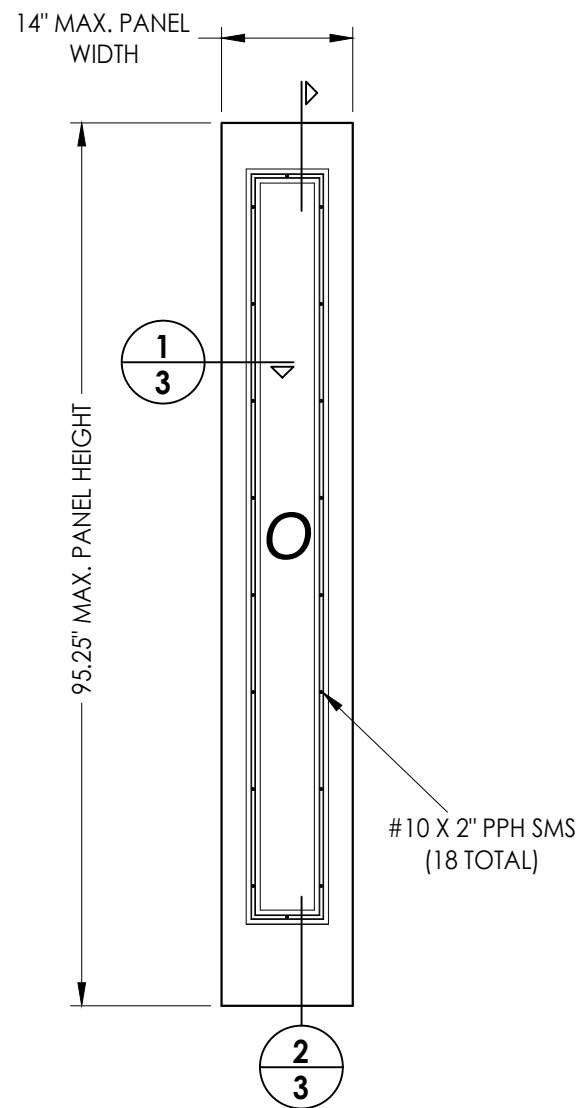
DWG. BY: LFS

CHK. BY: *RW*

DRAWING NO.:

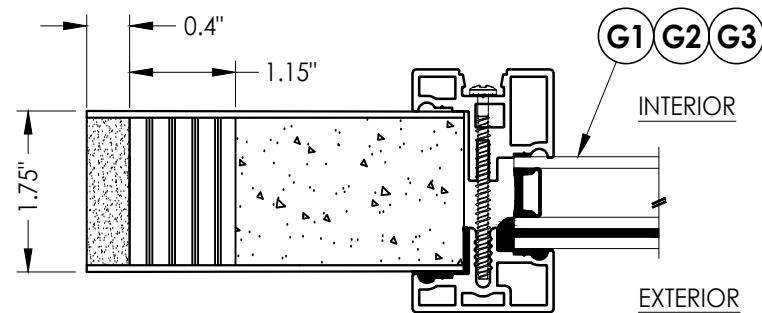
FL-46830.9

SHEET 2 OF 13

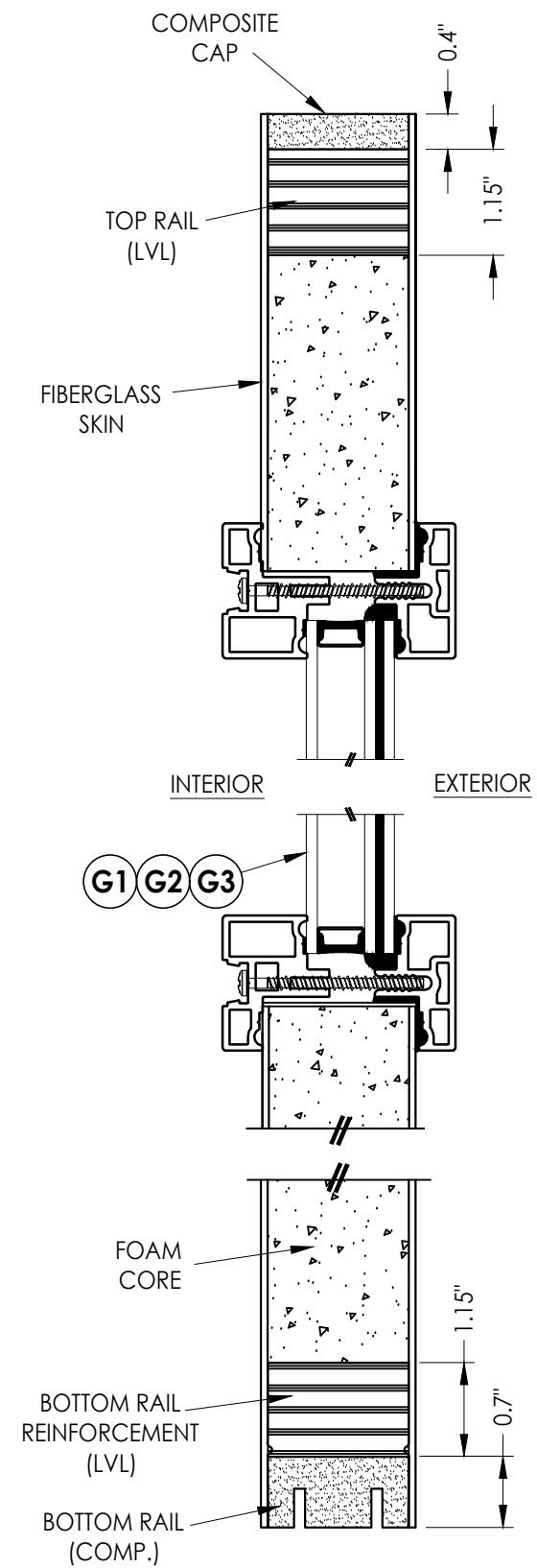


50 **FIBERGLASS SIDELITE PANEL**
BUILDERS HARDWARE

FIBERGLASS SKIN: 0.070"
FOAM CORE: POLYURETHANE (1.9 PCF MIN.)



1 **HORIZONTAL CROSS SECTION**



VERTICAL CROSS SECTION

[illegible]

DATE:	6/17/25
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46830.9
SHEET	3 OF 13

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

1/2" GLASS BITE

NORSEAL CLOSED CELL PVC FOAM

EXTERIOR

DOW 995 GLAZING COMPOUND

1" O.A. THICK GLASS

1/8" ANNEALED GLASS

0.090" SAFLEX PVB INTERLAYER

1/8" ANNEALED GLASS

DECORATIVE INSERT

AIR SPACE

1/8" TEMPERED GLASS

INTERIOR

SWIGGLE SPACER

NORSEAL CLOSED CELL PVC FOAM

4A

#10 X 2" PPH SMS

1/2" GLASS BITE

NORSEAL CLOSED CELL PVC FOAM

EXTERIOR

DOW 995 GLAZING COMPOUND

1-1/4" O.A. THICK GLASS

1/8" ANNEALED GLASS

0.090" SAFLEX PVB INTERLAYER

1/8" ANNEALED GLASS

BLIND INSERT

AIR SPACE

1/8" TEMPERED GLASS

INTERIOR

FOAM SPACER w/ ALUM INSERT

NORSEAL CLOSED CELL PVC FOAM

4B

#10 X 2" PPH SMS

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

RCM BUILDING CONSULTANTS, INC.

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

PRODUCT: TRIMLITE
FIBERGLASS DOORS

PART OR ASSEMBLY:
LITE FRAME
& GLAZING DETAILS

REVISIONS

DATE: 6/18/24

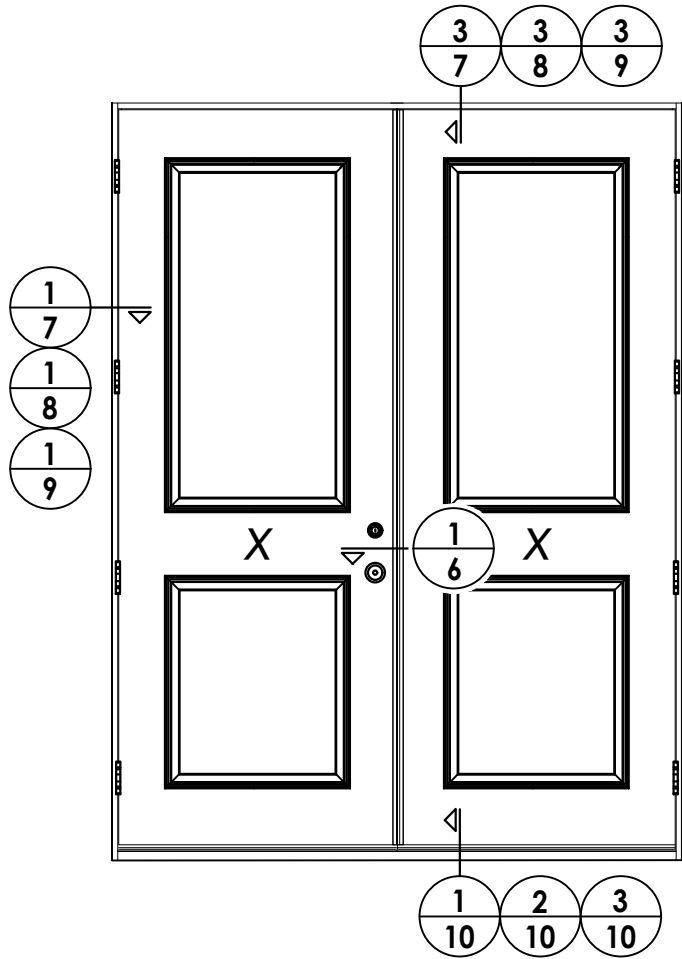
SCALE: *N.T.S.*

DWG. BY: RW

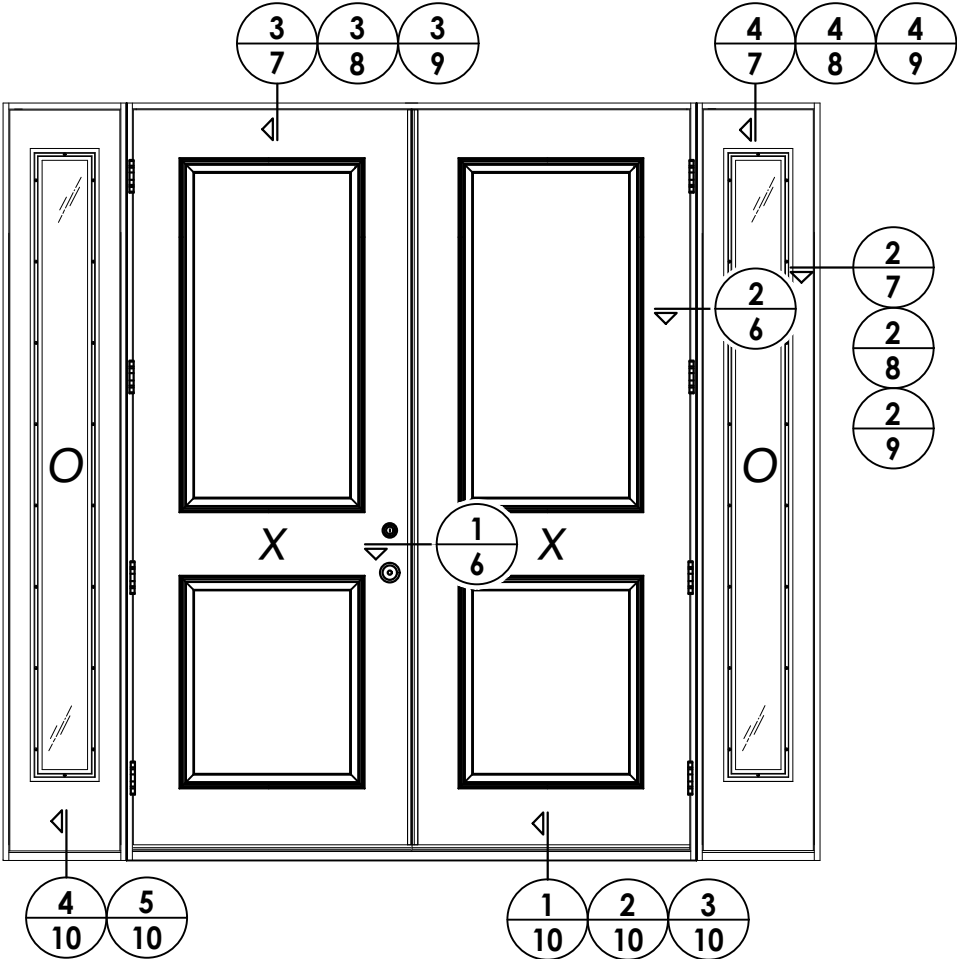
CHK. BY: LFS

DRAWING NO.:
FL-46830.9

SHEET 4 OF 13



ELEVATION
XX



ELEVATION
OXXO

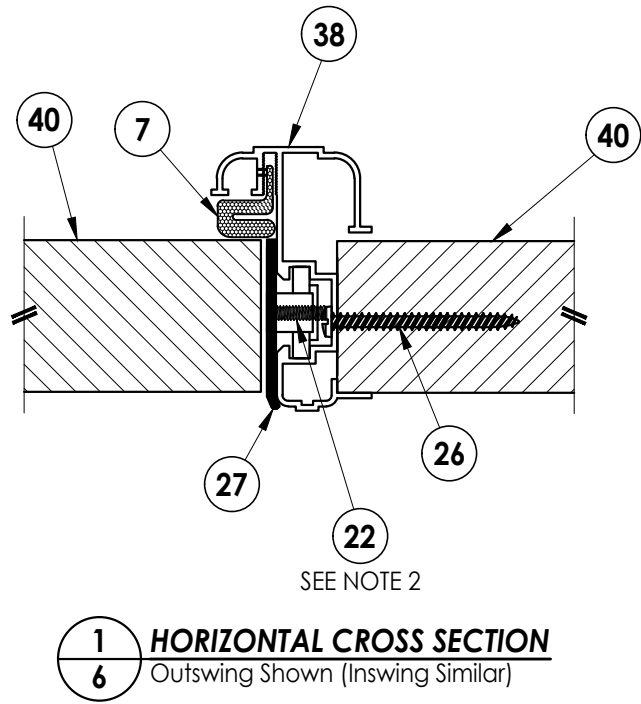
DATE: 6/17/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-46830.9
SHEET 5 OF 13

NO.		DATE	BY

PRODUCT:	TRIMLITE
	FIBERGLASS DOOR
PART OR ASSEMBLY:	
ELEVATIONS	

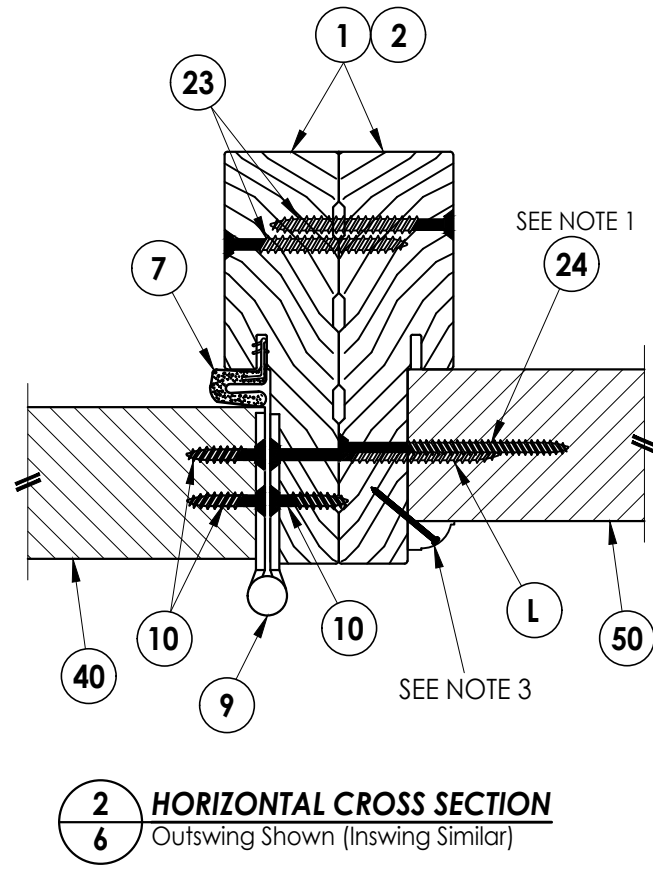
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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



INTERIOR

EXTERIOR



SEE NOTE 1

SEE NOTE 3

Notes:

1. Sidelite assembly screws located 4" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
2. Latch & deadbolt strike plate machine screws installed through strike plate into astragal plastic receiver.
3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

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

R^gW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
**HORIZONTAL
CROSS SECTIONS**

[illegible]

DATE: 6/17/25

SCALE: N.T.S.

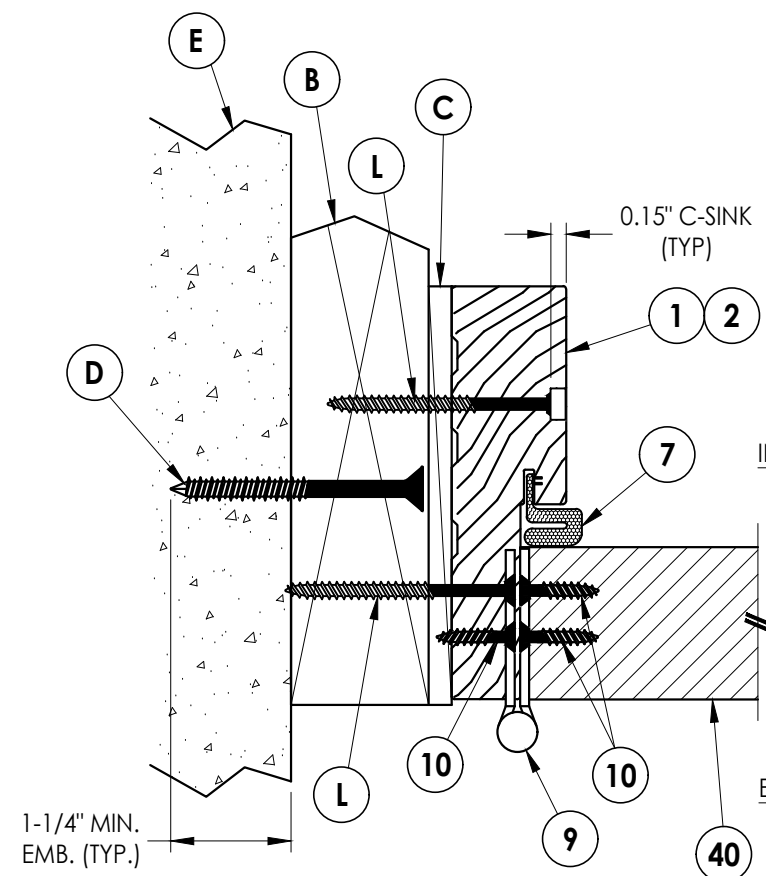
DWG. BY: *LFS*

CHK. BY: *RW*

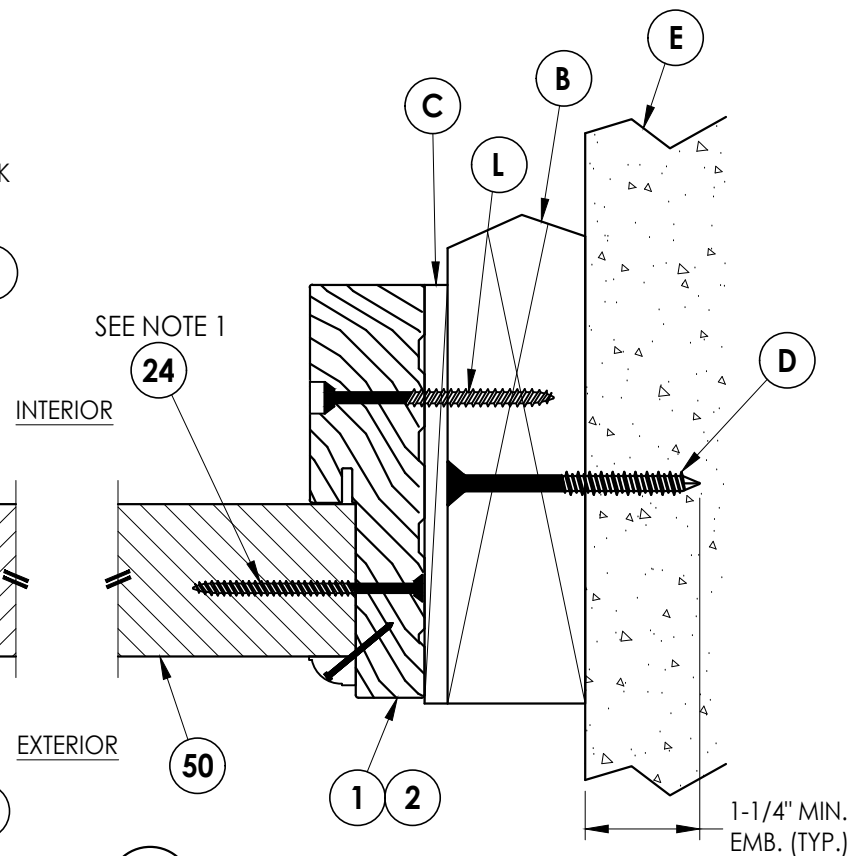
DRAWING NO.:

FL-46830.9

© 2025 R.W. BUILDING CONSULTANTS INC.

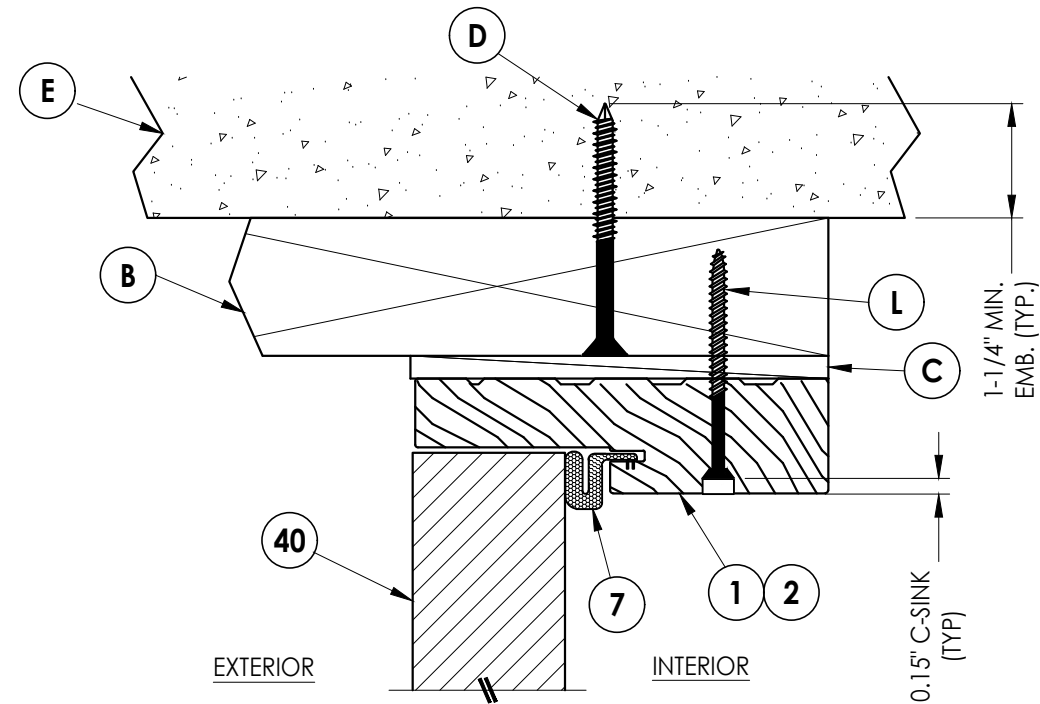


1 7 **HORIZONTAL CROSS SECTION**

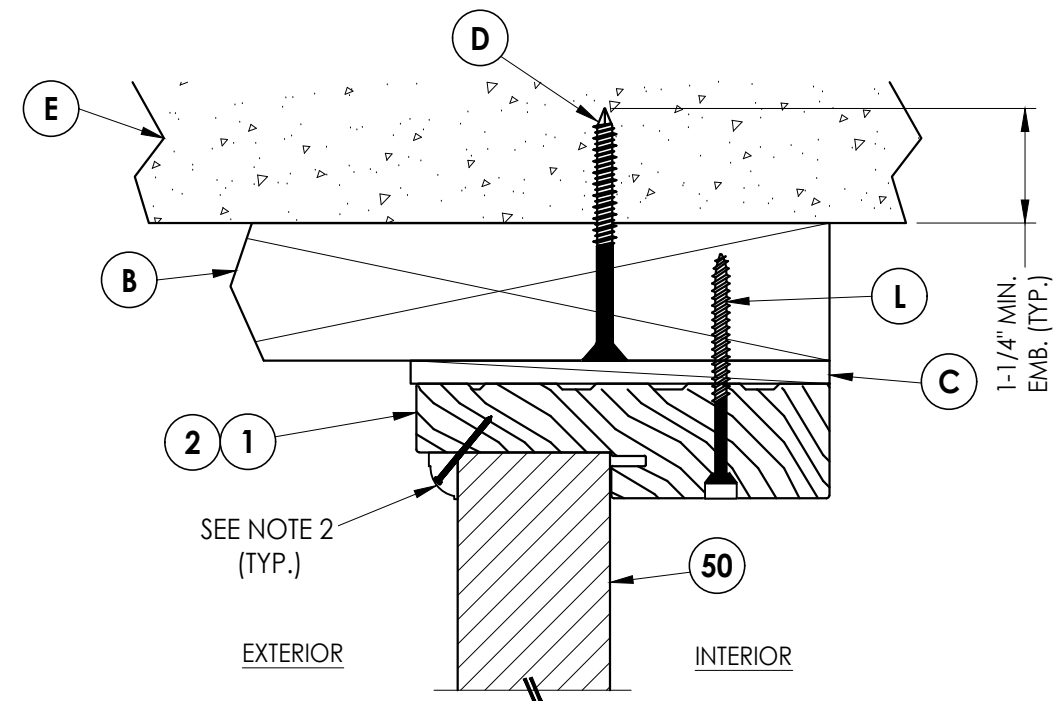


2 HORIZONTAL CROSS SECTION

7 Outswing Shown (Inswing Similar) Shown w/ 2X Buck



3 **VERTICAL CROSS SECTION**
7 Outswing Shown (Inswing Similar)
Shown w/ 2X Buck

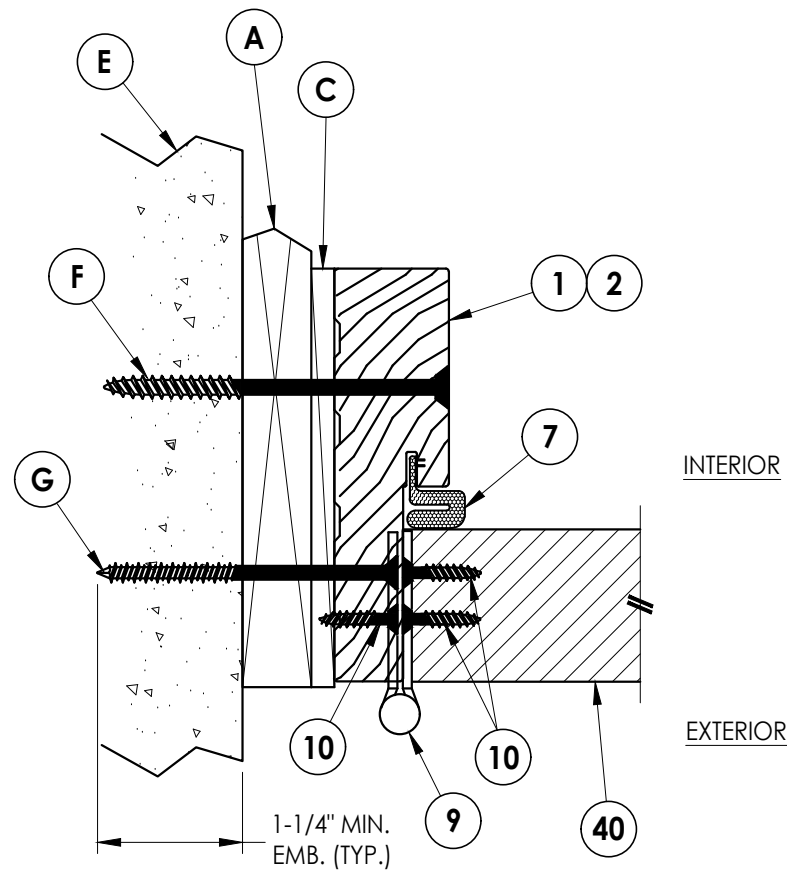


4 **VERTICAL CROSS SECTION**
7 Outswing Shown (Inswing Similar)
 Shown w/ 2X Buck

Notes:

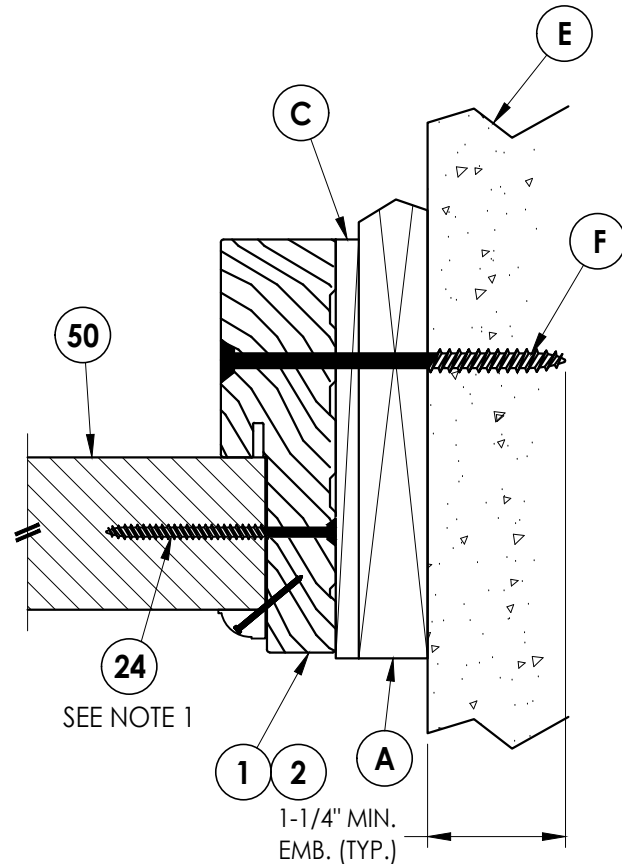
1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

[illegible]

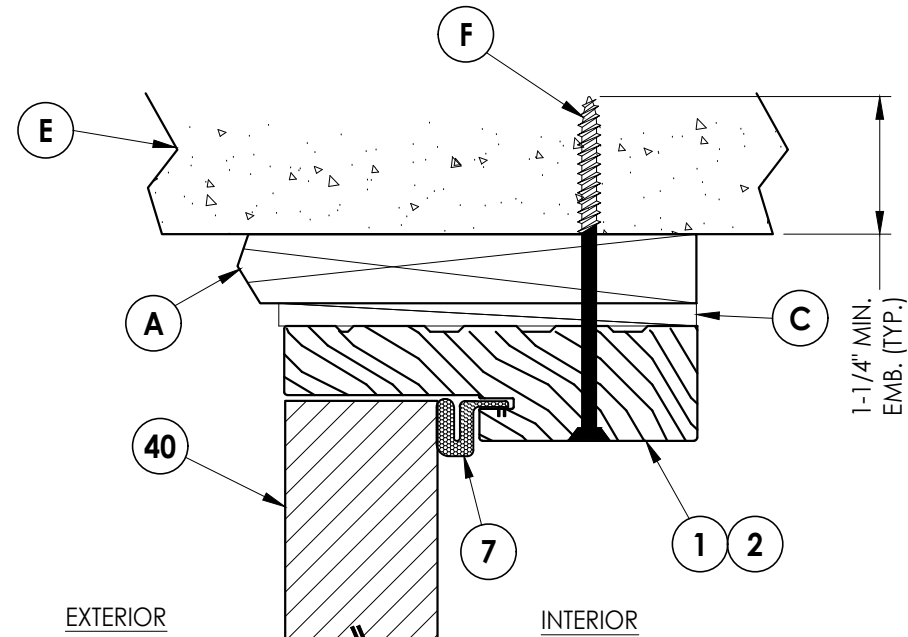


1 **HORIZONTAL CROSS SECTION**

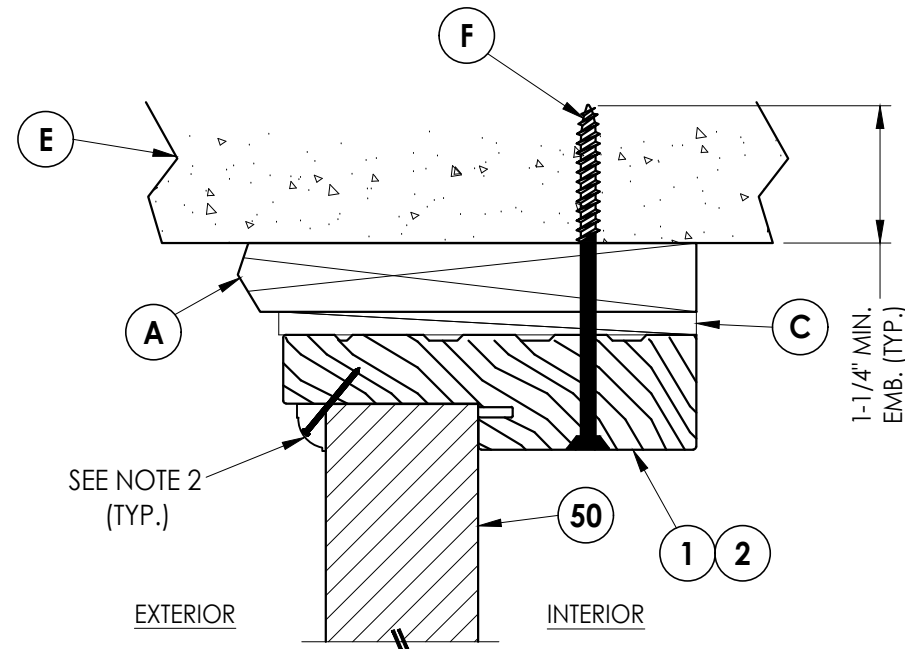
8 Outswing Shown (Inswing Similar) Shown w/ 1X Buck



2 **HORIZONTAL CROSS SECTION**
8 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck



3 VERTICAL CROSS SECTION
8 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck



4 VERTICAL CROSS SECTION
8 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck

Notes:

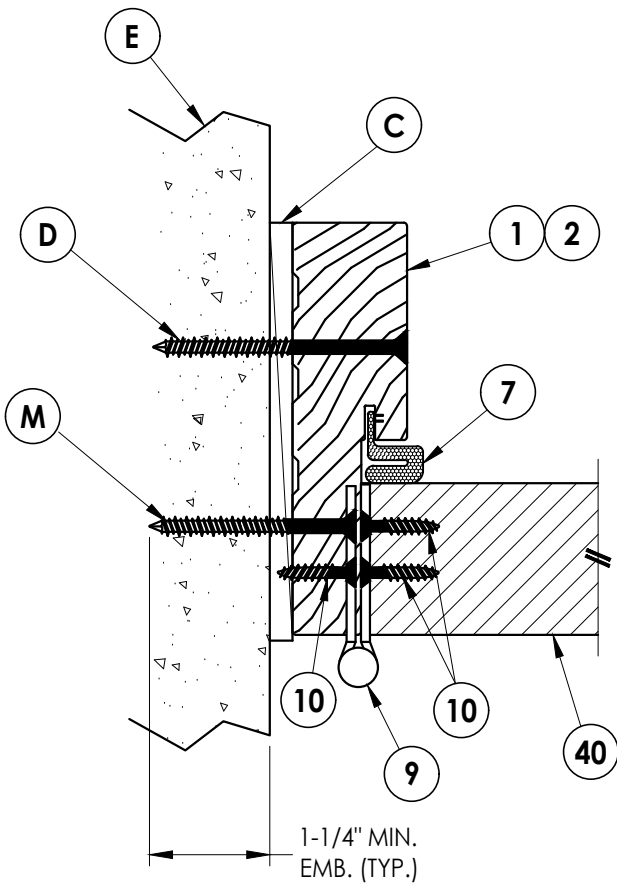
1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

[illegible]

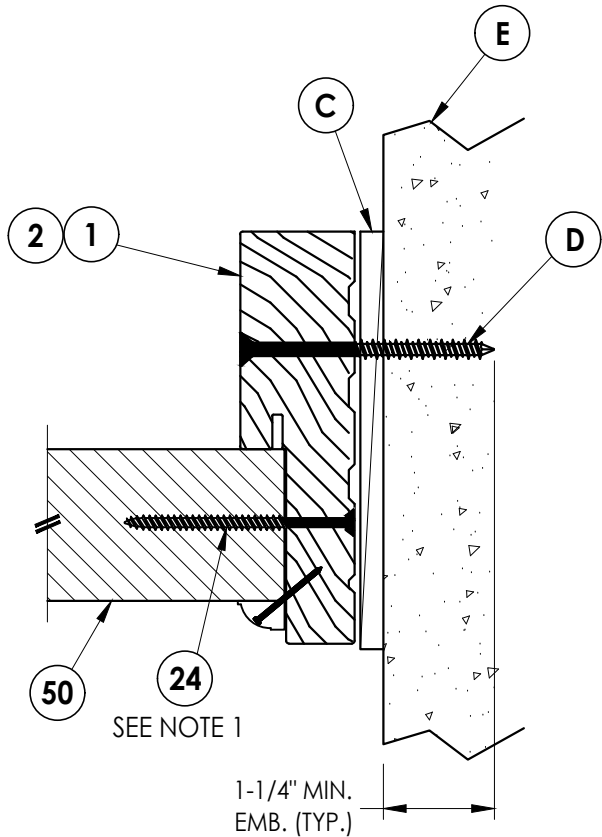
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

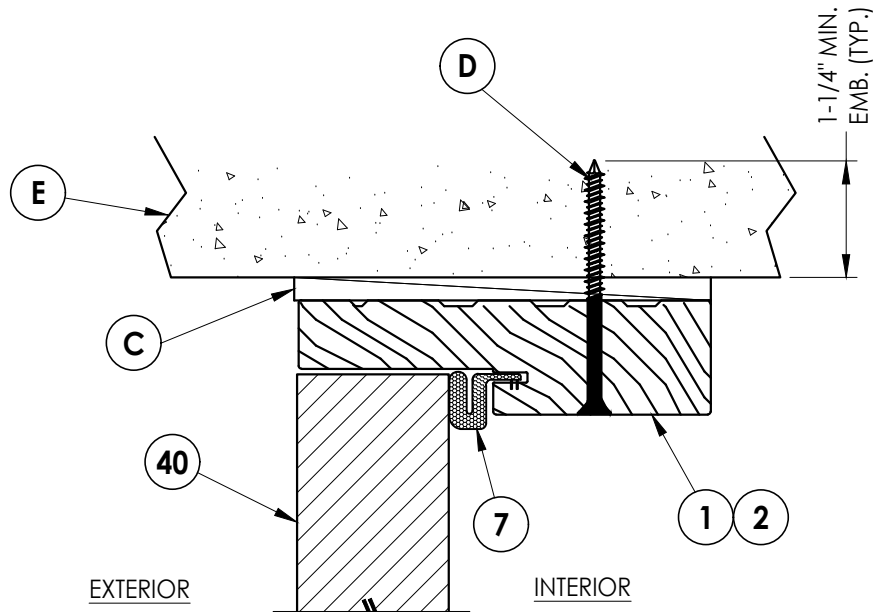
Z:\2023 FBC Drawings\Trimlite\FL-46830\FL-46830.9.dwg



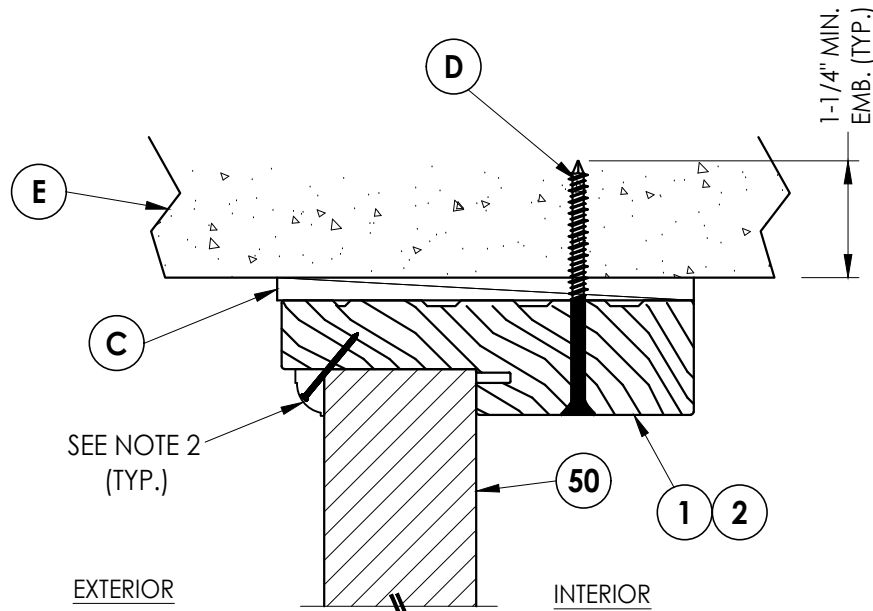
1
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



2
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



3
9 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



4
9 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

Notes:

1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

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

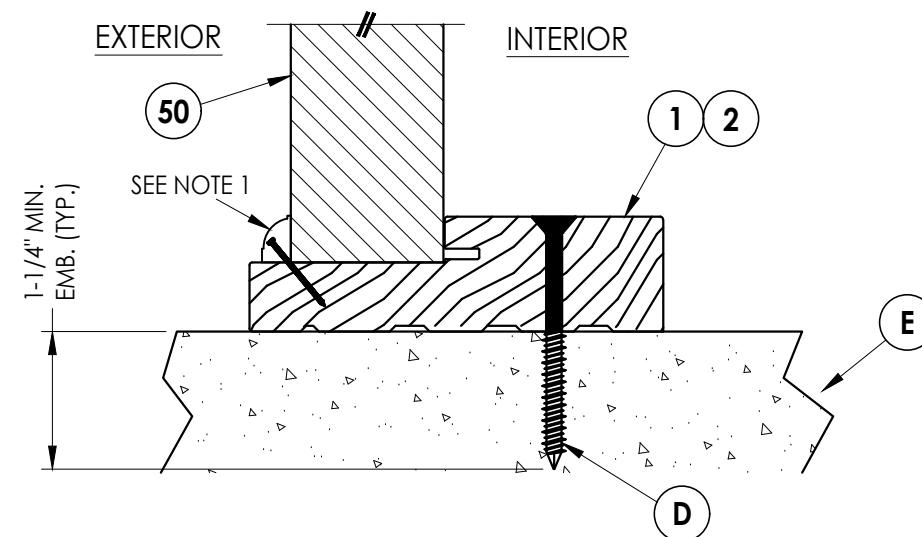
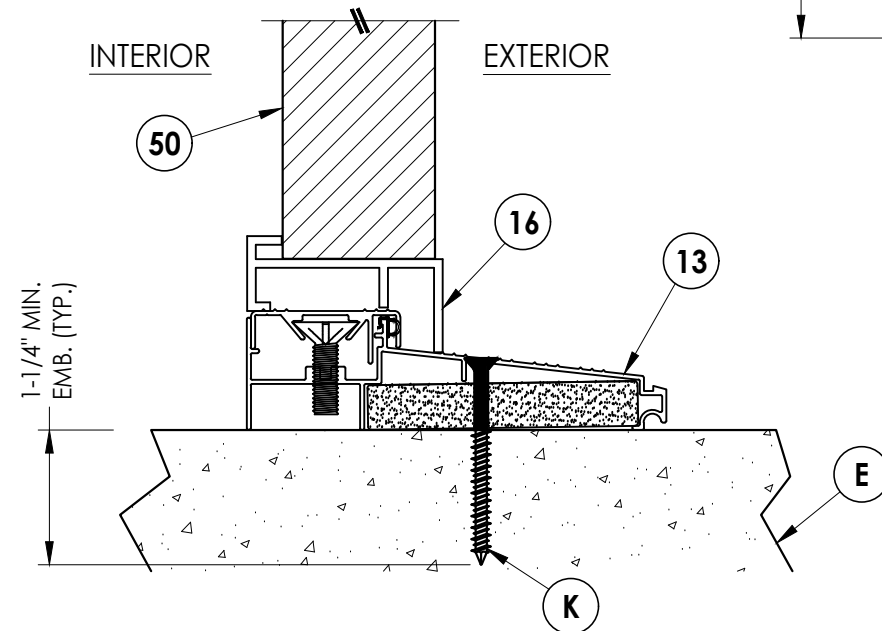
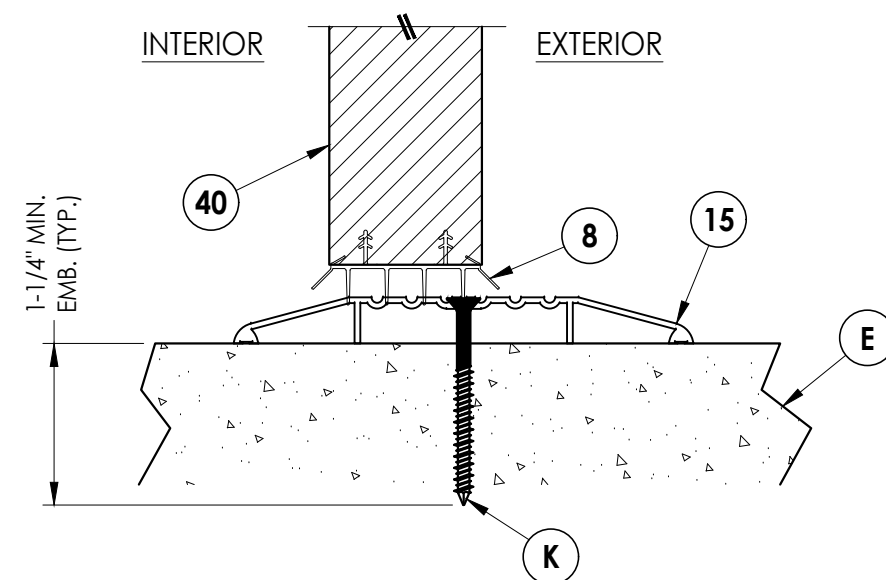
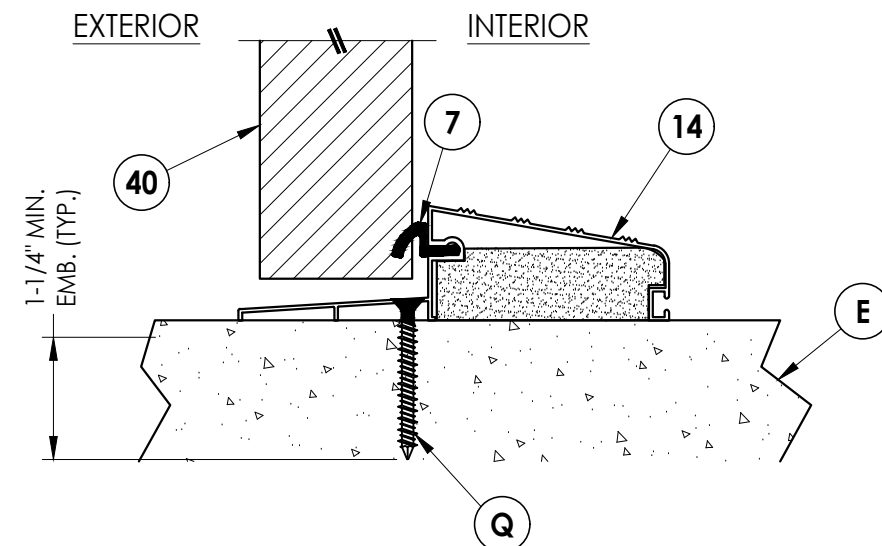
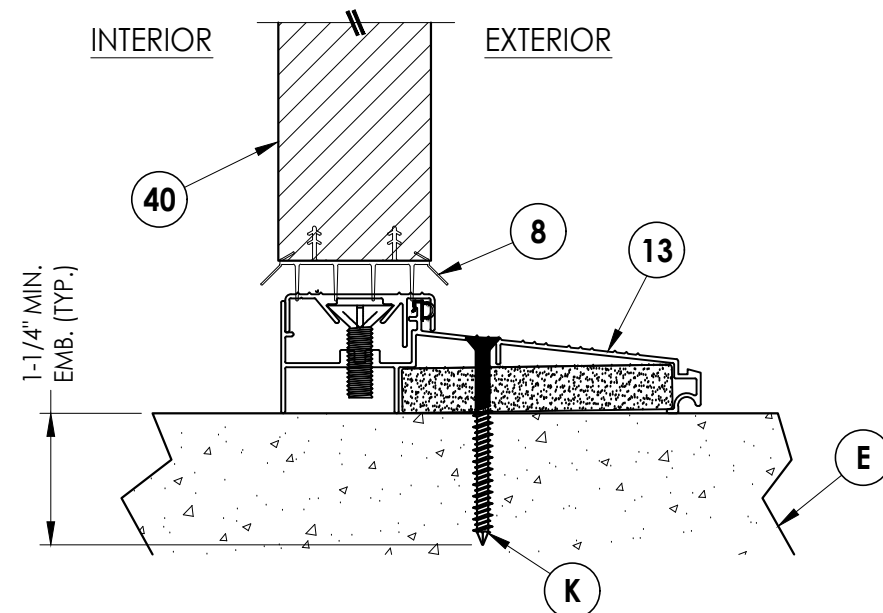
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: TRIMLITE
FIBERGLASS DOOR

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

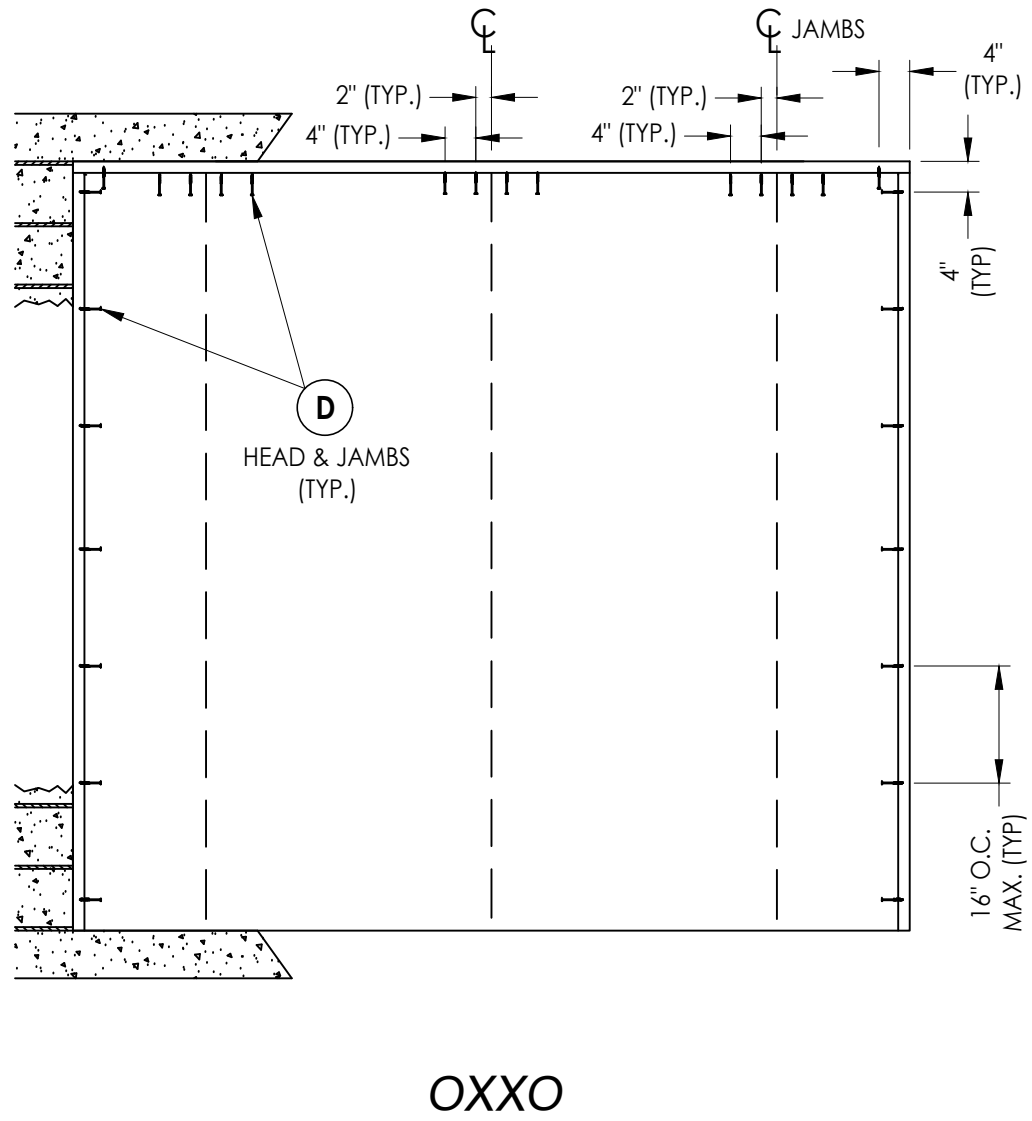
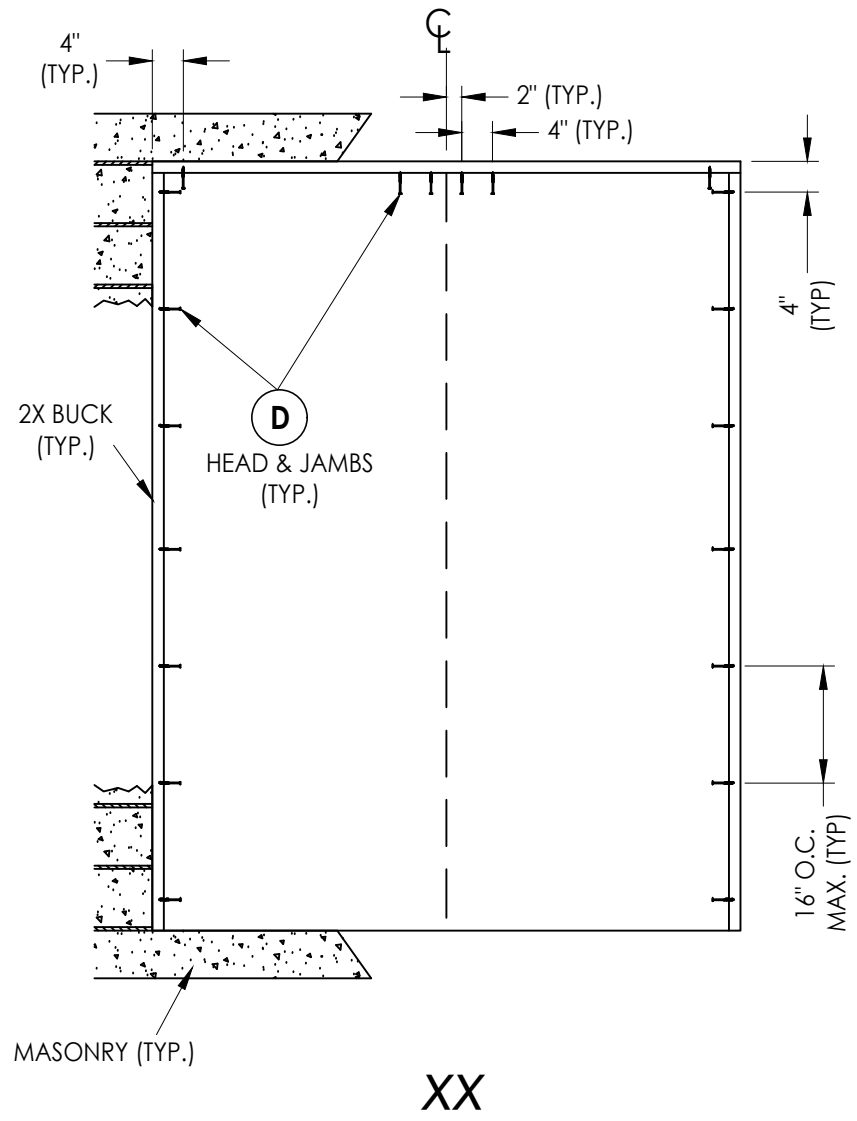
NO.	DATE	REVISIONS	BY

DATE: 6/17/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.:
FL-46830.9
SHEET 9 OF 13



Note:
1. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

[illegible]



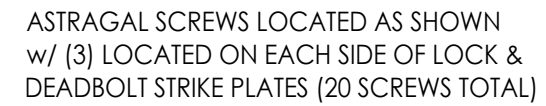
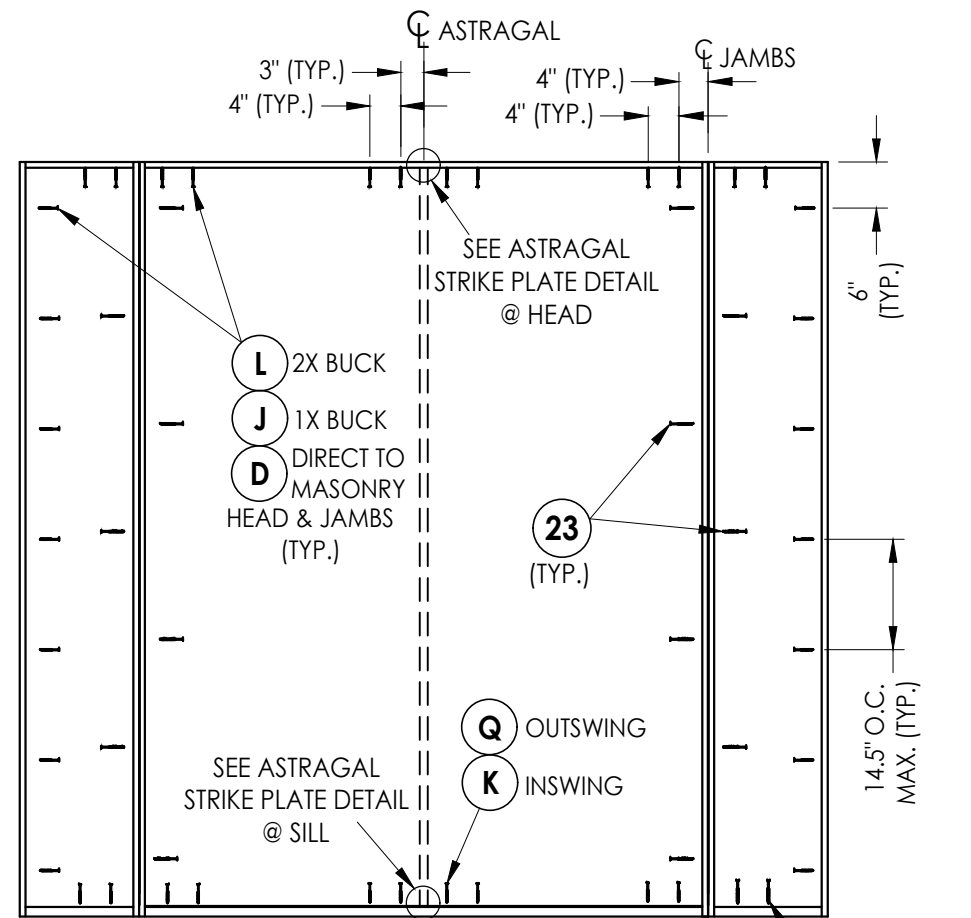
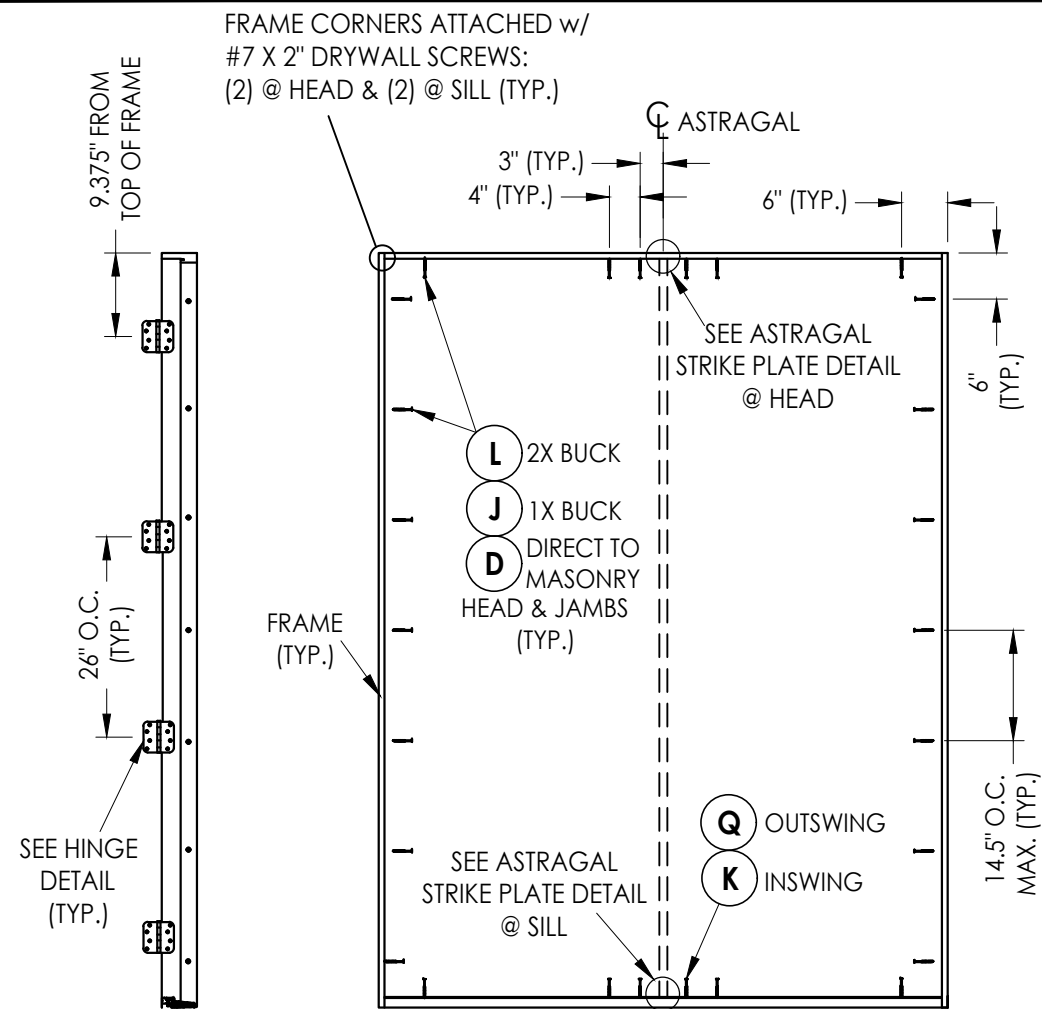
2X BUCK ANCHORING

[illegible]

DATE:	6/17/25
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46830.9
SHEET	<u>11</u> OF <u>13</u>

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

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

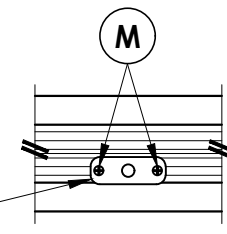
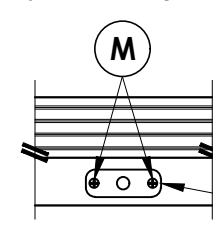
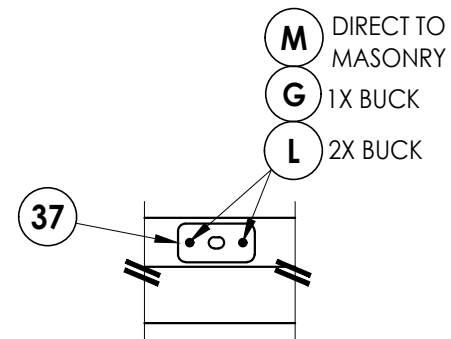
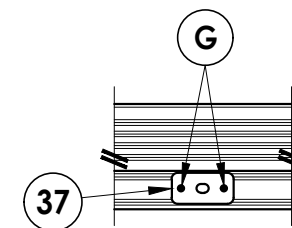
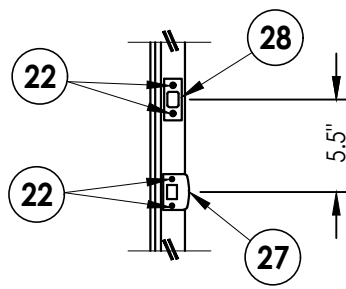
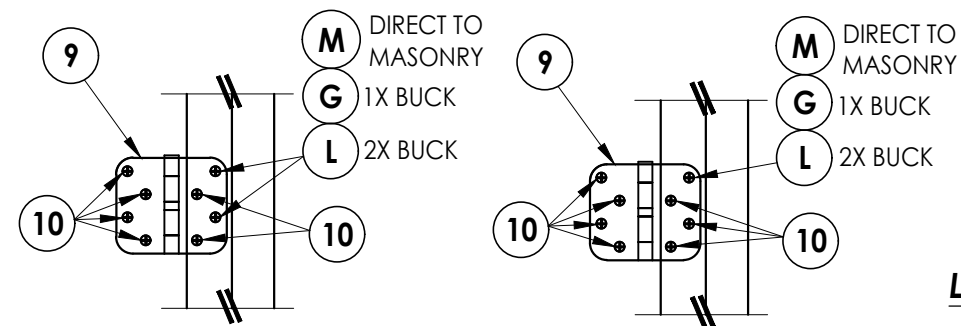


HINGE JAMB

XX

OXXO

ASTRAGAL STRIKE



HINGE DETAIL

INSWING

HINGE DETAIL

OUTSWING

LATCH & DEADBOLT STRIKE PLATE DETAILS

HARDWARE DETAILS

ASTRAGAL STRIKE PLATE DETAIL
INSWING THRESHOLD

ASTRAGAL STRIKE PLATE DETAIL
OUTSWING THRESHOLD

ASTRAGAL STRIKE PLATE DETAIL
ADA THRESHOLD

[illegible]

Z:\2023 FBC Drawings\Trimlite\FL-46830\FL-46830.9.dwg

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 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	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" PFH 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" PFH ITW CONCRETE SCREW	STEEL
Q	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (FINGER JOINTED PINE)	WOOD
2	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
15	ADA THRESHOLD	ALUM
16	INSWING SIDELITE ADAPTER	PVC
22	#8 X 5/8" FH MACHINE SCREW	STEEL
23	#8 X 2" FH SMS	STEEL
24	#8 X 2-1/2" PFH DEEP THREAD WOOD SCREW	STEEL
26	#8 X 2" PH SMS	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
37	ASTRAGAL STRIKE PLATE (1.19" X 3.25" X 0.075" THICK)	STEEL
38	ALUMINUM ASTRAGAL	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-

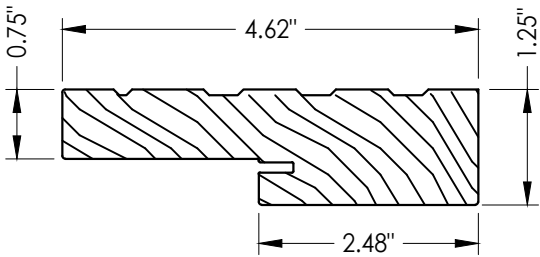
CONCRETE ANCHOR NOTES:

- 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:

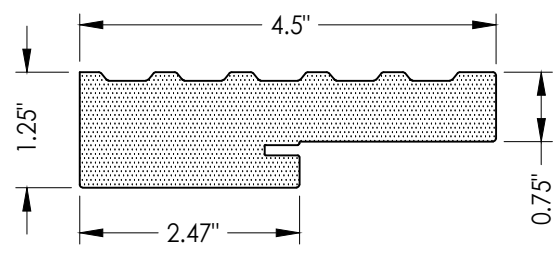
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

WOOD SCREW INSTALLATION NOTES:

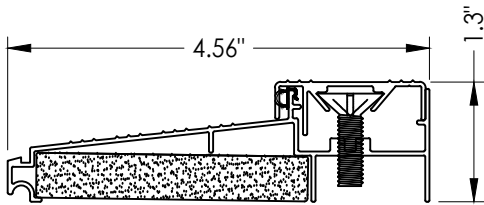
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



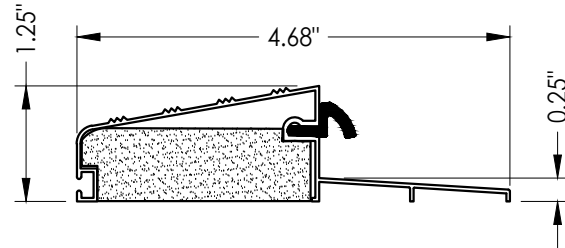
1 WOOD JAMB
FINGER JOINTED PINE



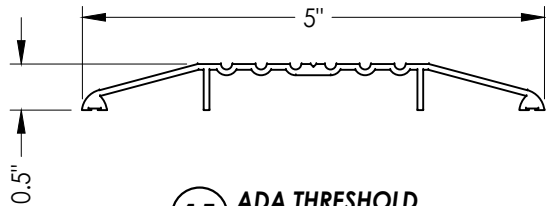
2 COMPOSITE JAMB
WORLDWIDE 4EVER



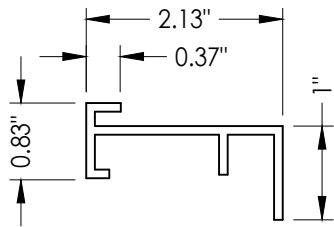
13 INSWING THRESHOLD
DLP



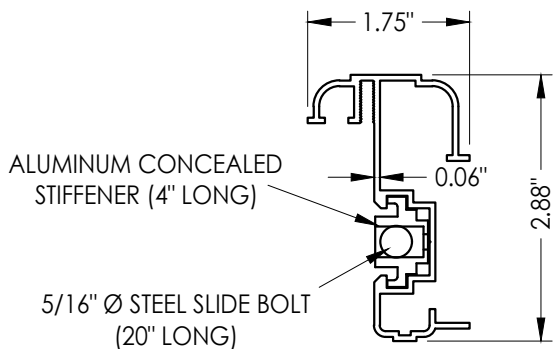
14 OUTSWING THRESHOLD
DLP



15 ADA THRESHOLD
DLP



16 INSWING SIDELITE ADAPTER



38 ALUMINUM ASTRAGAL
DLP

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: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	BY	REVISIONS

DATE: 6/17/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-46830.9

SHEET 13 OF 13