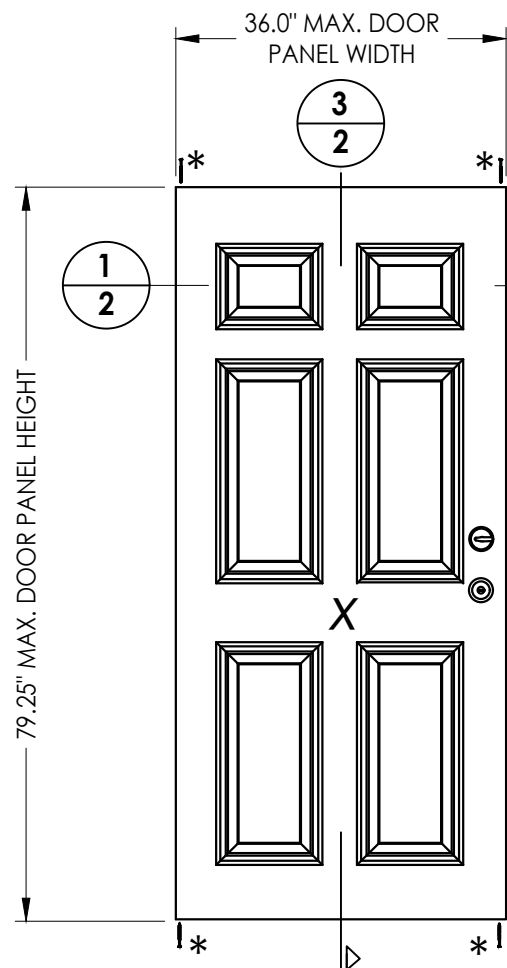


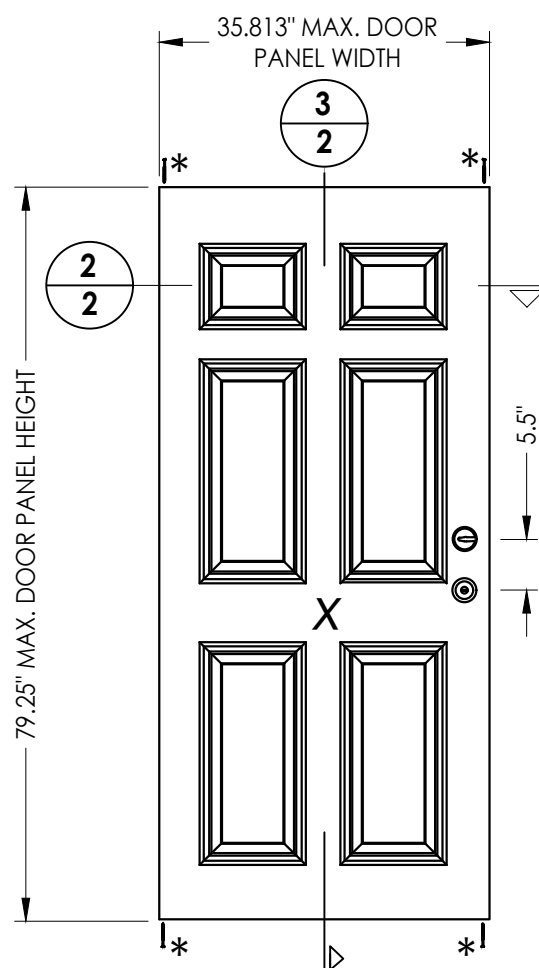
DETAIL A-A

PANEL REINFORCEMENT (0.023" Thick Steel)	STEEL REINFORCEMENT 28.86% OPEN AREA MAX.
---	---

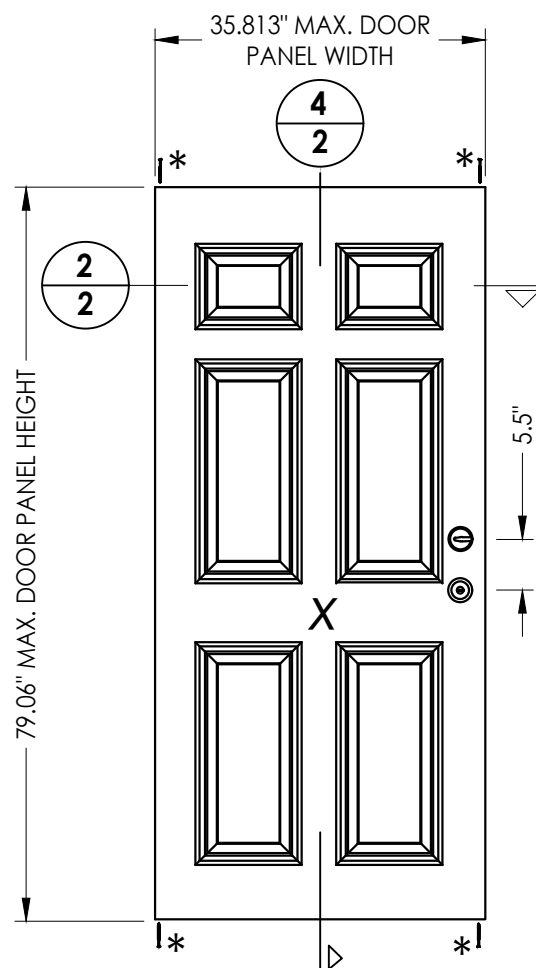
* #8 X 2.5" PFH WS (TYP. @ EACH DOOR CORNER)



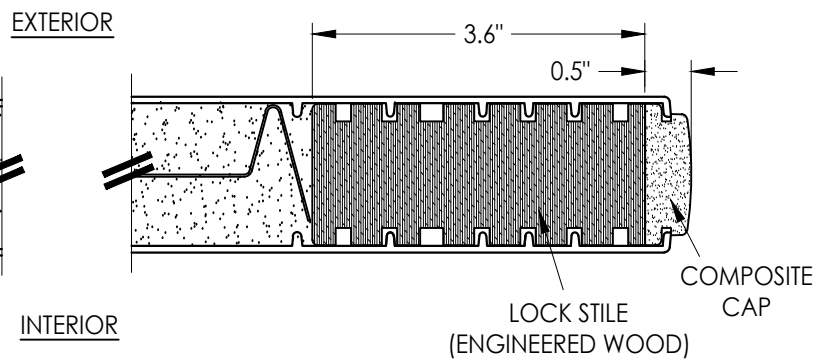
40 DOOR PANEL
BOOK



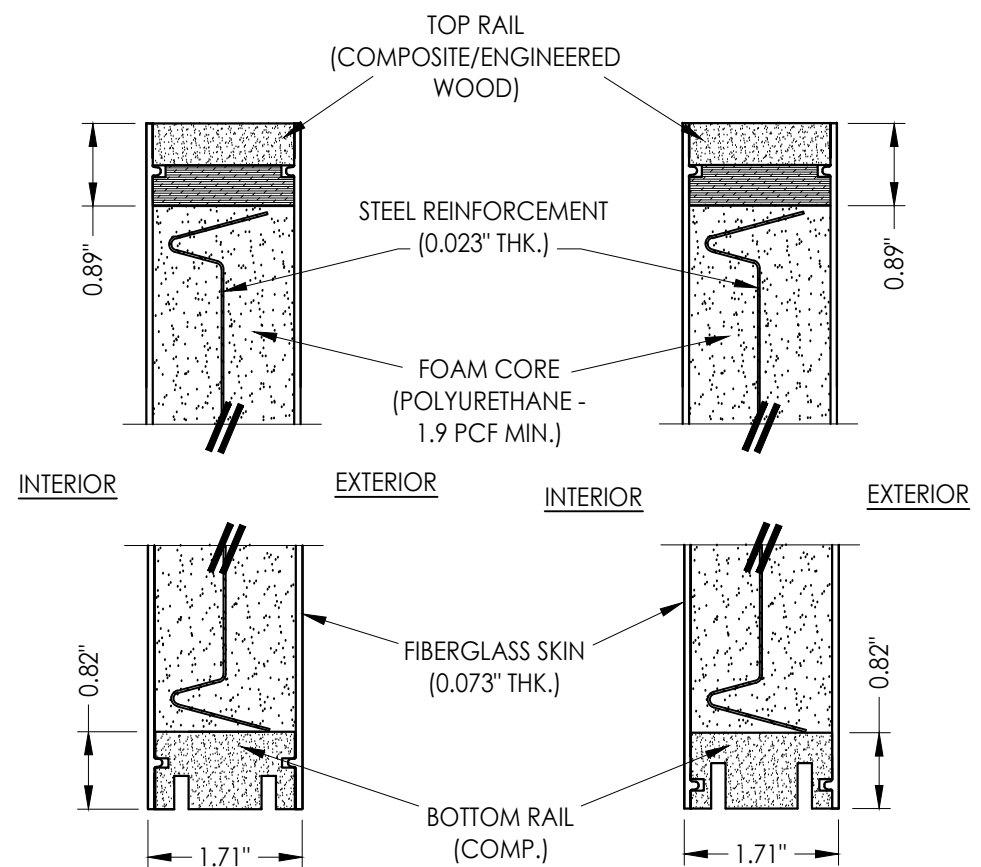
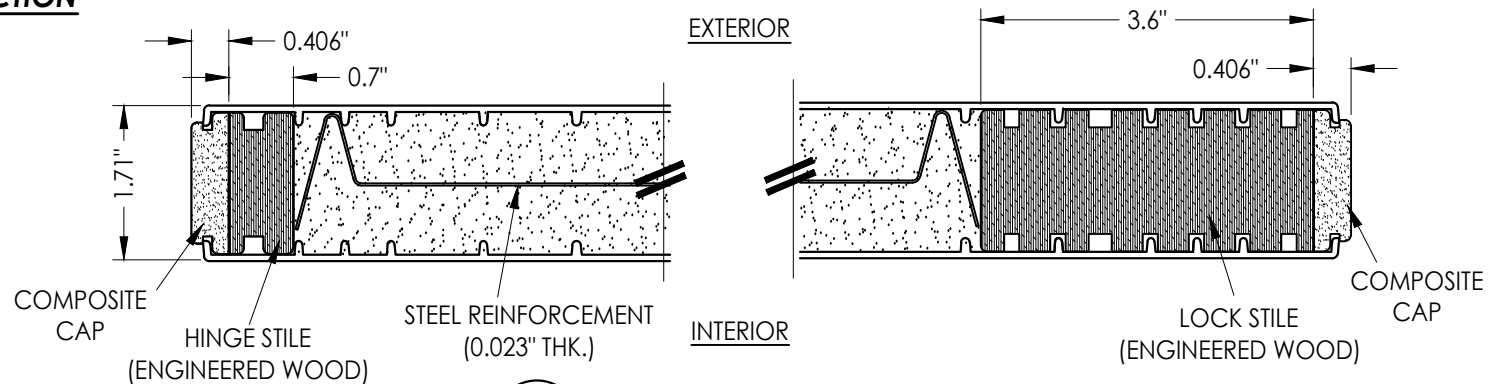
41 **DOOR PANEL**
Hybrid Door



42 **DOOR PANEL**
U1 Door



HORIZONTAL CROSS SECTION



3 VERTICAL CROSS SECTION

4 VERTICAL CROSS SECTION

[illegible]

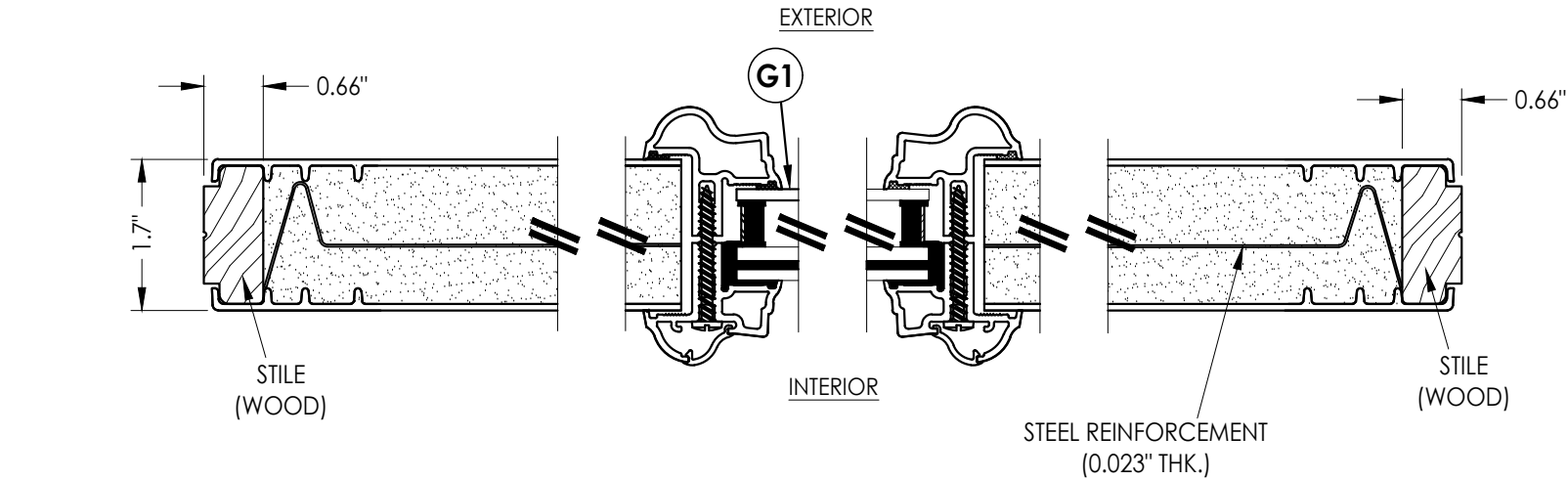
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

CT: THERMA-TRU
FIBERGLASS DOOR

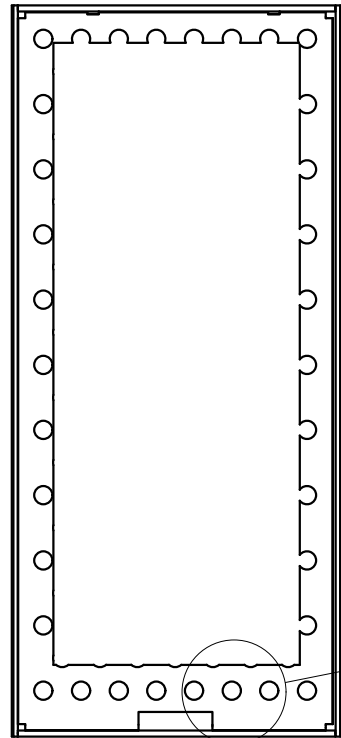
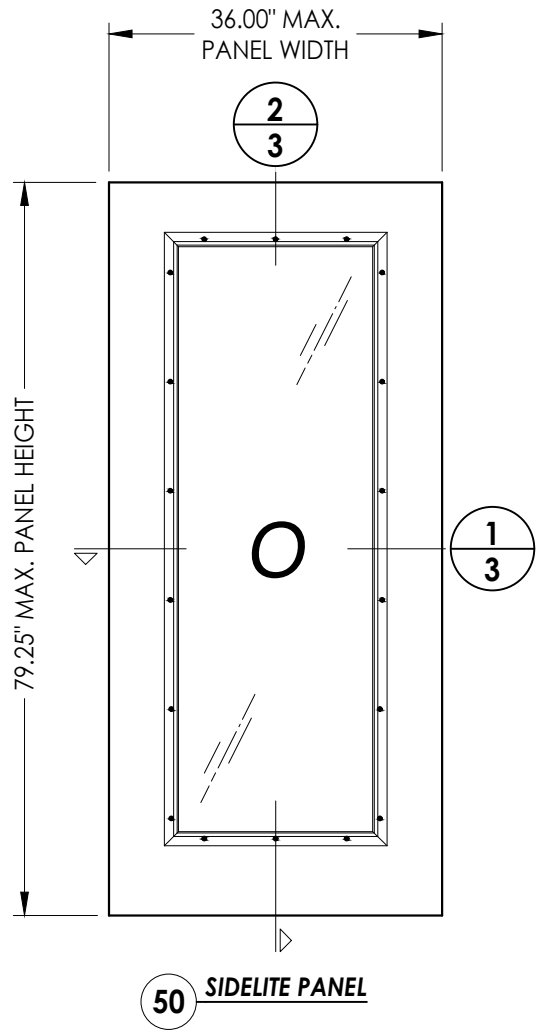
DOOR ASSEMBLY:
DOOR PANEL DETAILS

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

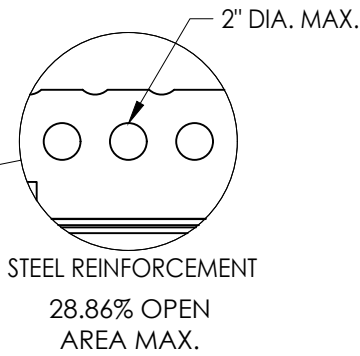
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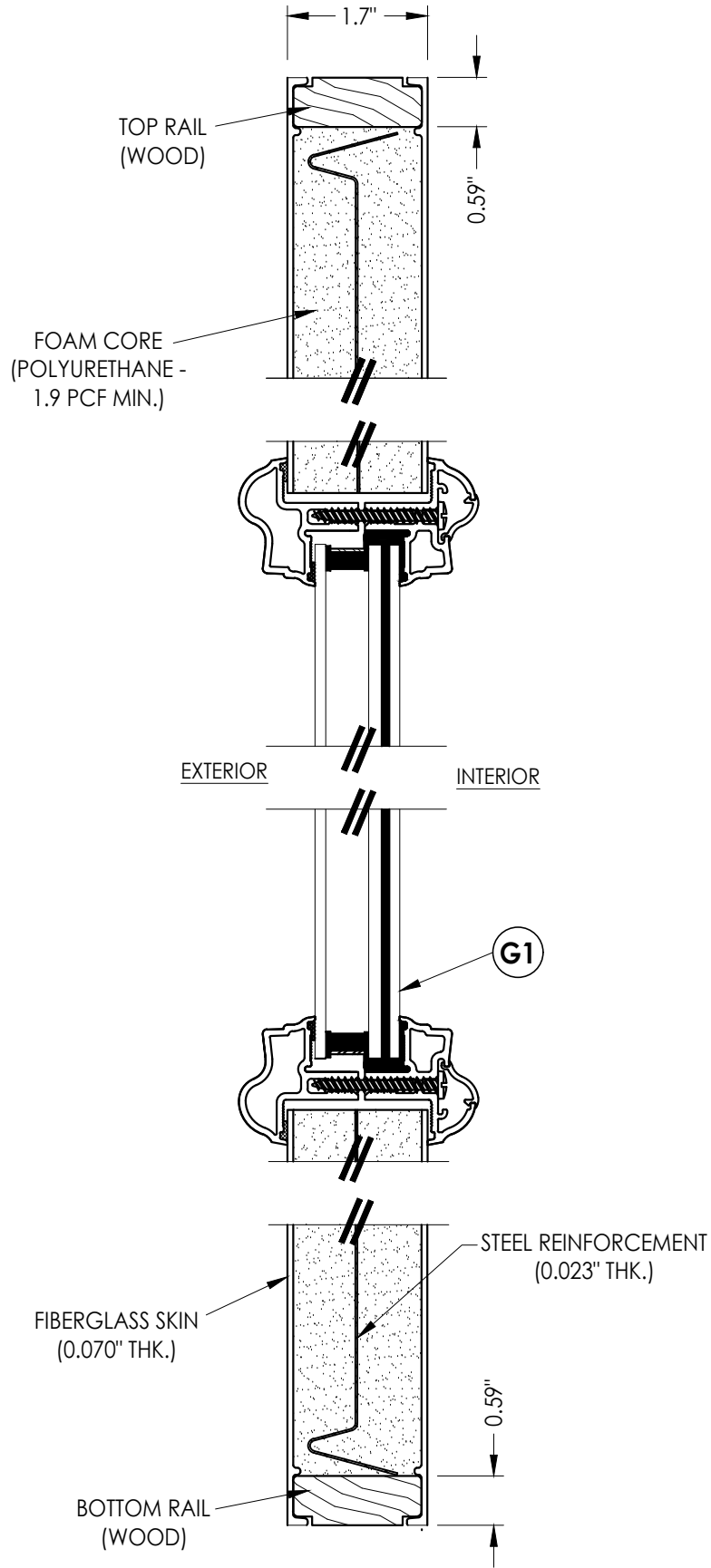
1
3 **HORIZONTAL CROSS SECTION**



DETAIL A-A
PANEL REINFORCEMENT
(0.023" Thick Steel)



STEEL REINFORCEMENT
28.86% OPEN
AREA MAX.



2
3 **VERTICAL CROSS SECTION**

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
3	7/25/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	7/22/20	UPDATE TO 7th ED (2020) FBC LFS
1	7/14/17	UPDATE TO 6TH ED. (2017) FBC JK
		BY

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

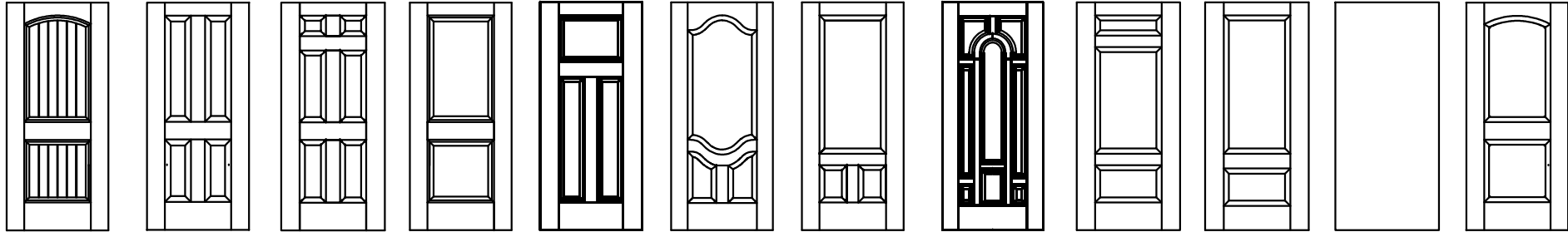
CHK. BY: LFS

DRAWING NO.:

FL-20470.2

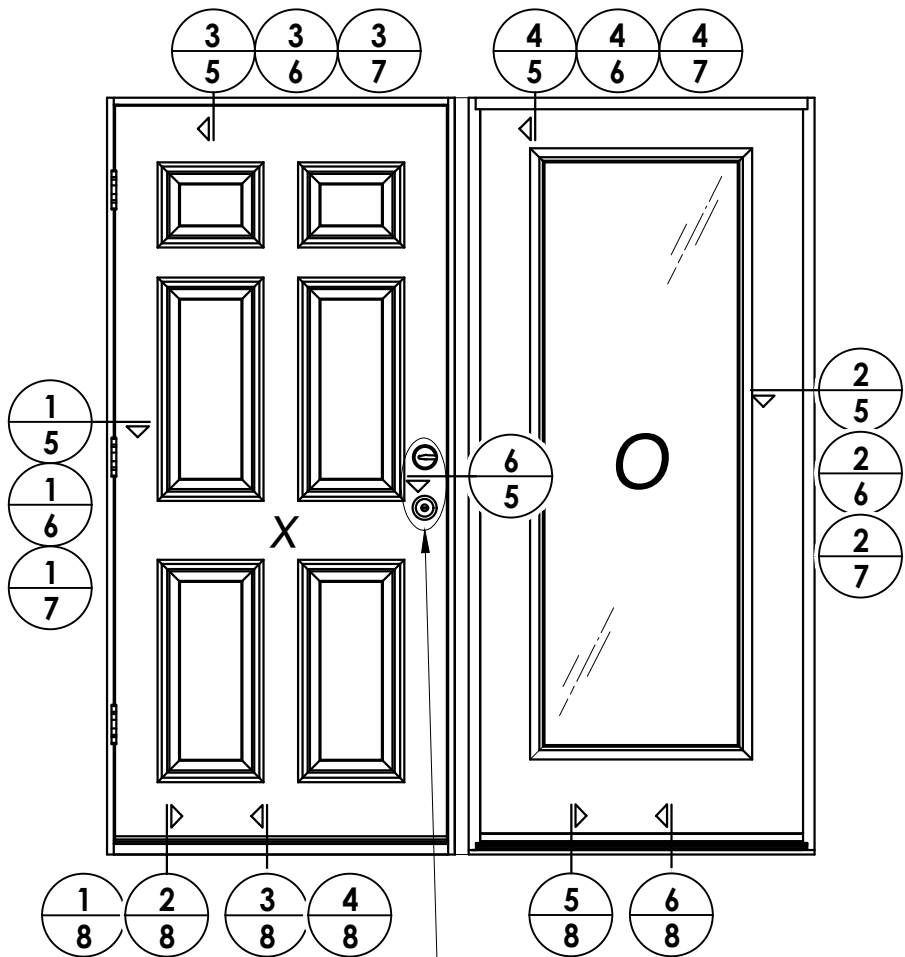
SHEET 3 OF 14

Z:\2023 FBC Drawings\Therma-Tru\FL-20470 R4\FL-20470.1-3.dwg

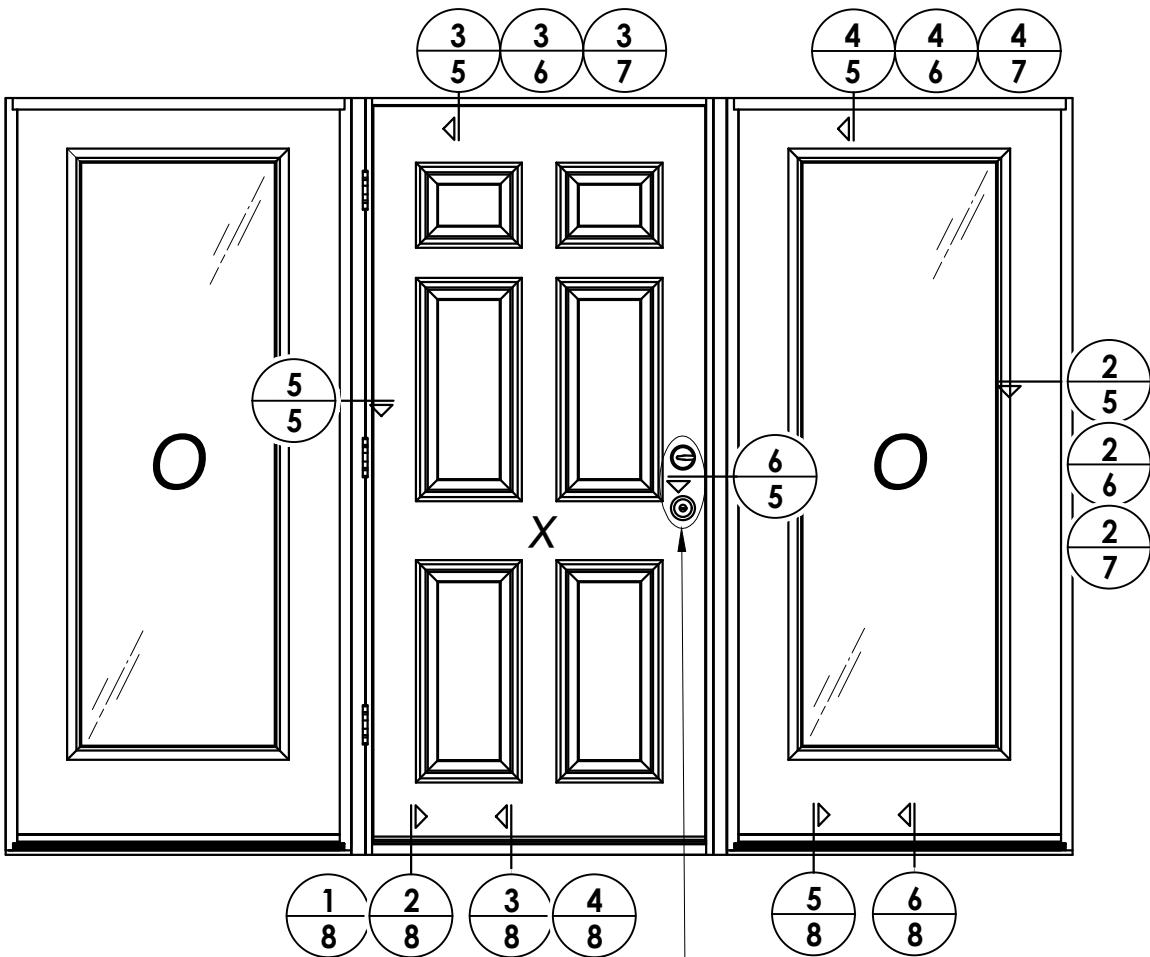


Fiber-Classic/Smooth-Star Door Panel Options

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



ELEVATION
XO



ELEVATION
OXO

HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGART	
	(3 pt. Manual Tongue)	

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

NO.	DATE	REVISIONS
3	7/25/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	7/22/20	UPDATE TO 7th ED (2020) FBC LFS
1	7/14/17	UPDATE TO 6TH ED. (2017) FBC JK

DATE: 08/02/16

SCALE: N.T.S.

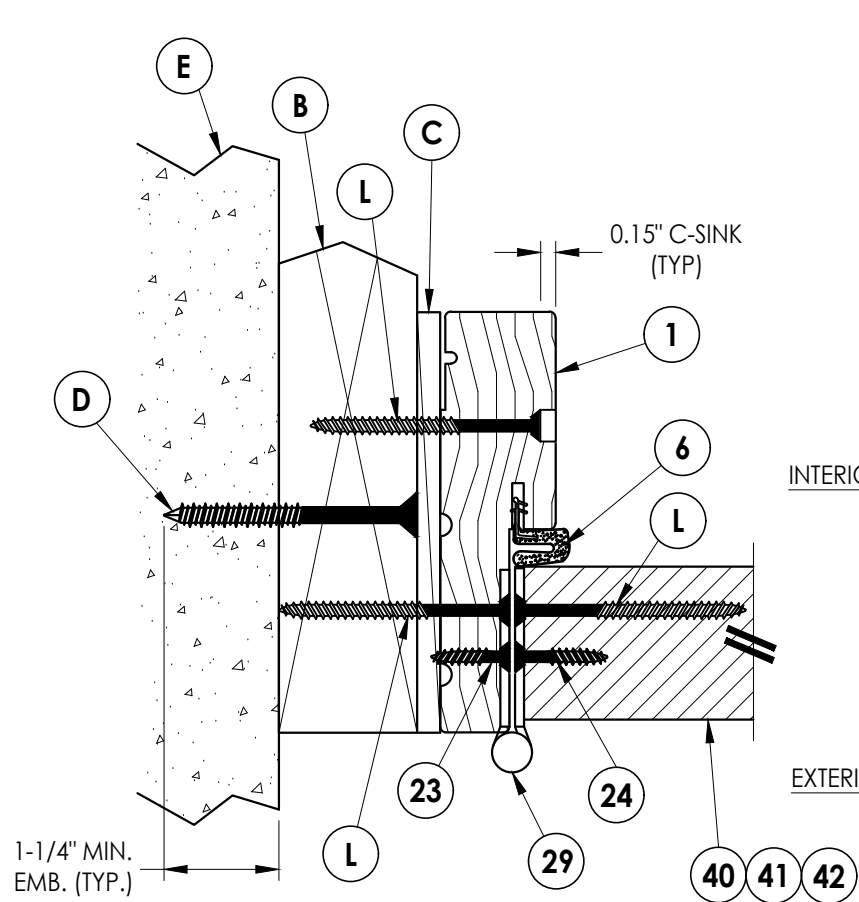
DWG. BY: JK

CHK. BY: LFS

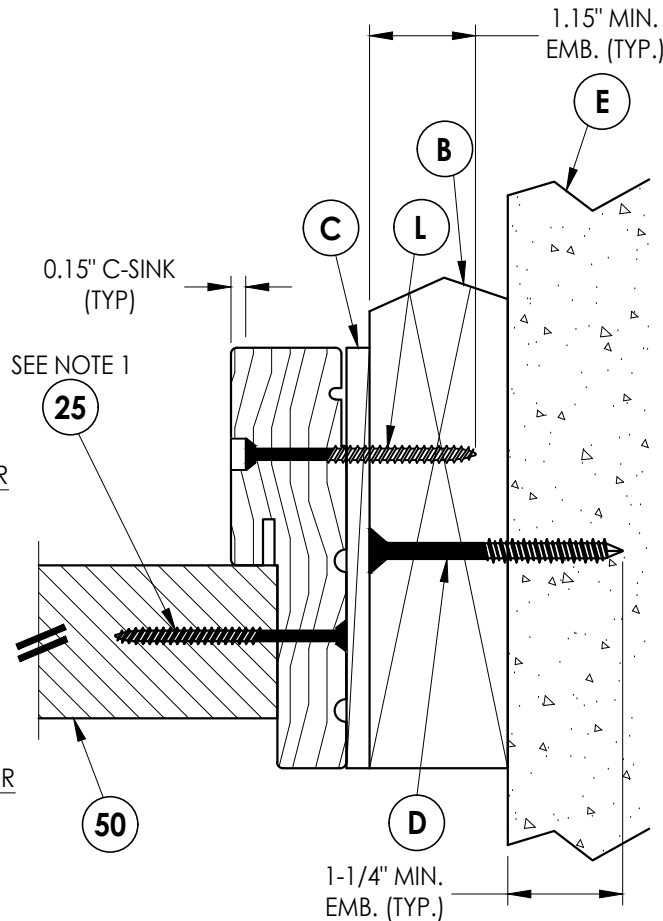
DRAWING NO.: FL-20470.2

SHEET 4 OF 14

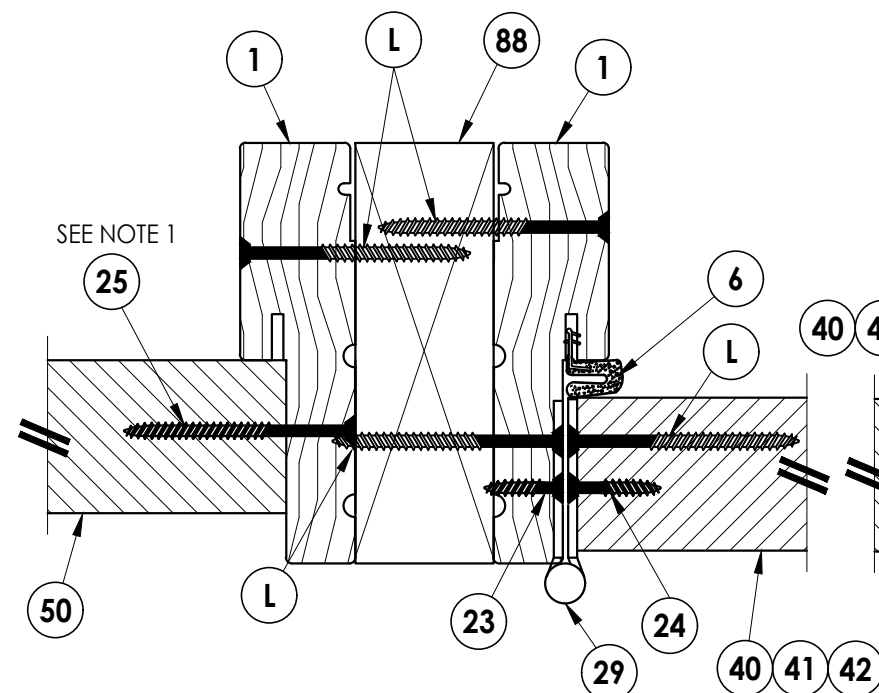
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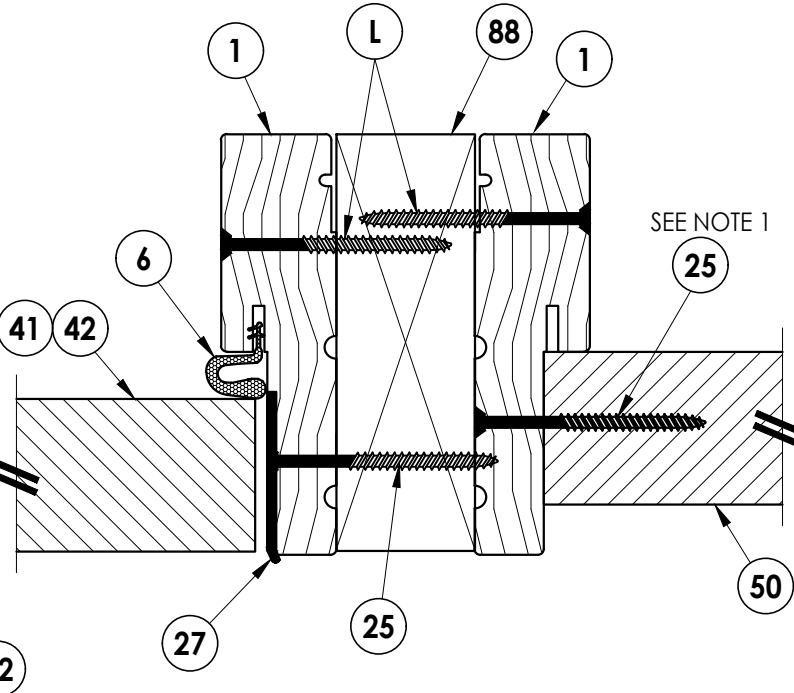
1 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



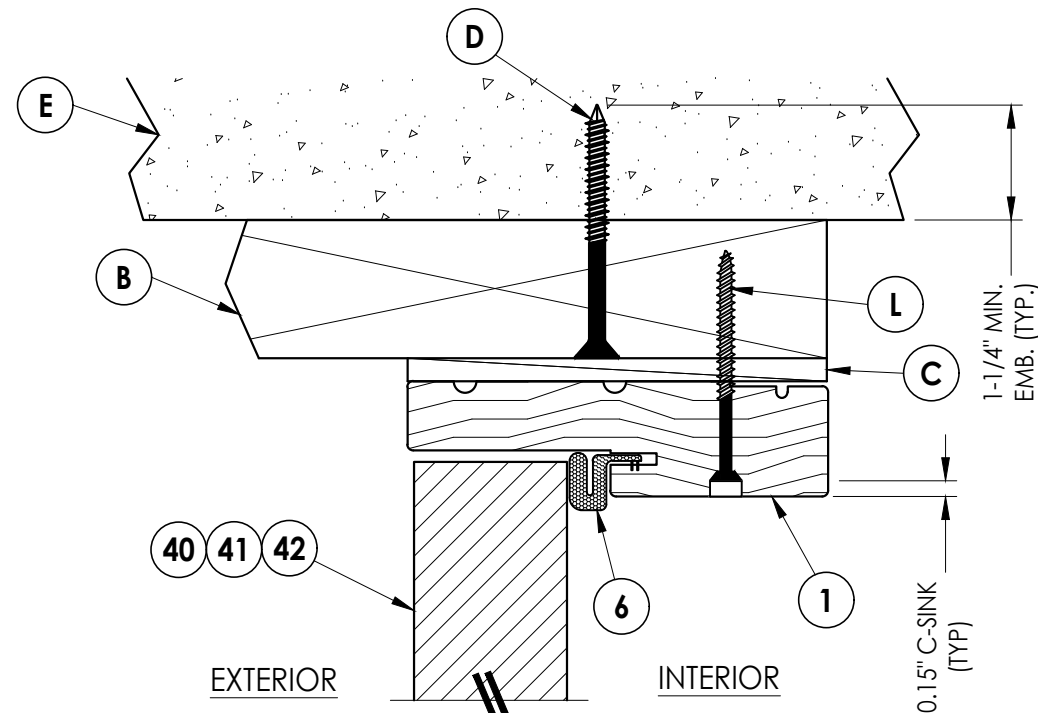
5 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)



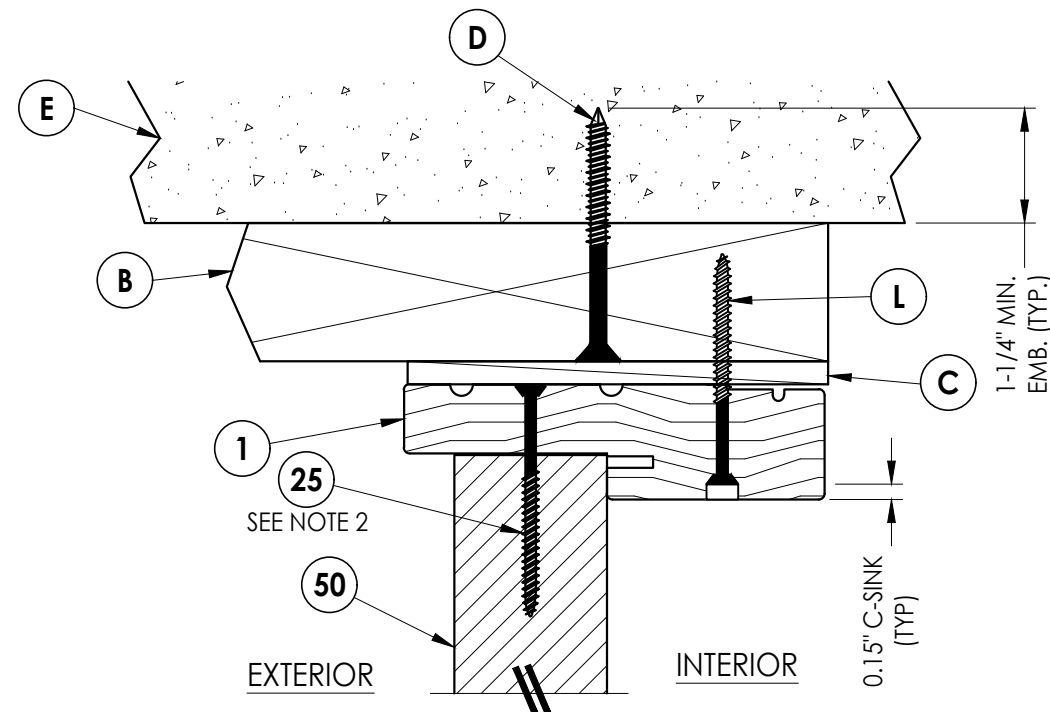
6 HORIZONTAL CROSS SECTION
5 Outswing shown (Inswing similar)

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
Outswing shown (Inswing similar)



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

Documents Prepared By:
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P.E. No. 43409

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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	BY
3	7/25/23	UPDATE TO 8TH ED. (2023) FBC	LFS
2	7/22/20	UPDATE TO 7th ED (2020) FBC	LFS
1	7/14/17	UPDATE TO 6TH ED. (2017) FBC	JK

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

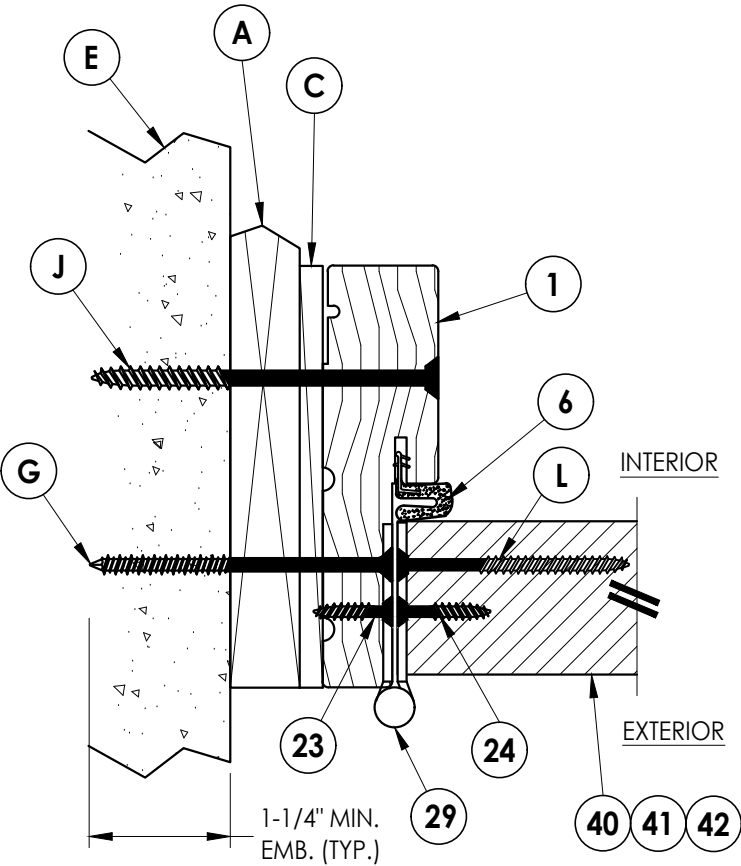
DRAWING NO.:

FL-20470.2

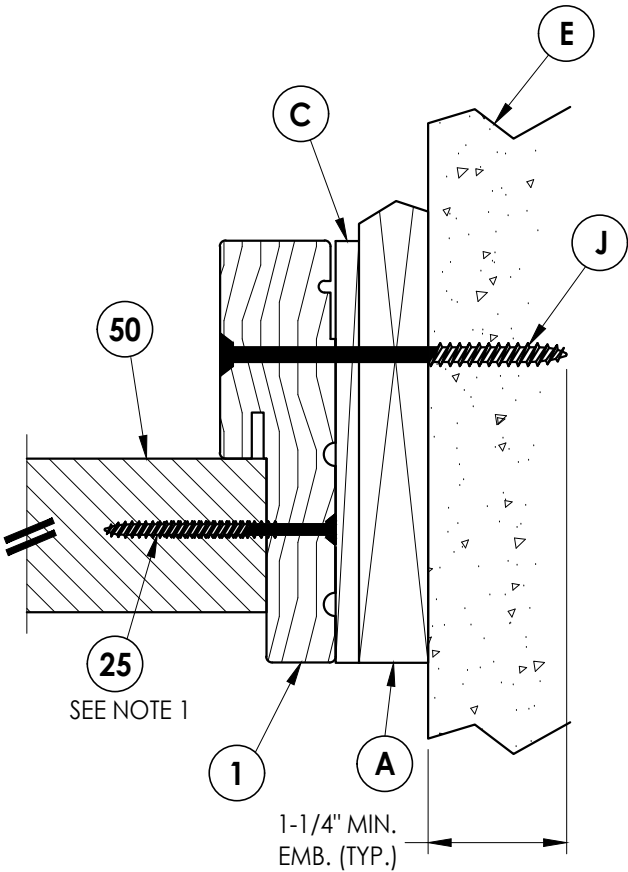
SHEET 5 OF 14

Z:\2023 FBC Drawings\Therma-Tru\FL-20470 R4\FL-20470.1-3.dwg

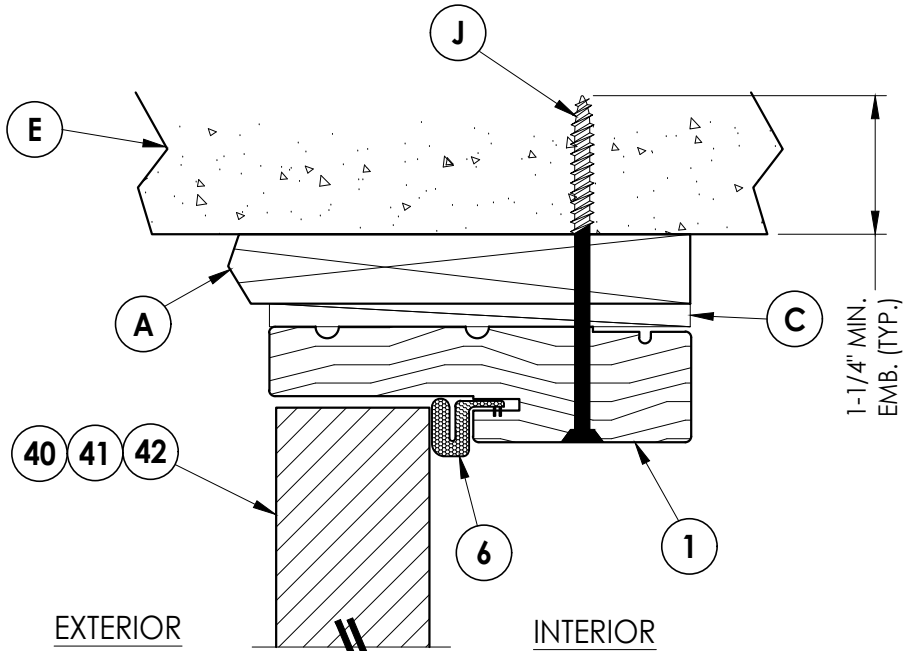
- Notes:
1. Sidelite assembly screws located 6" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).



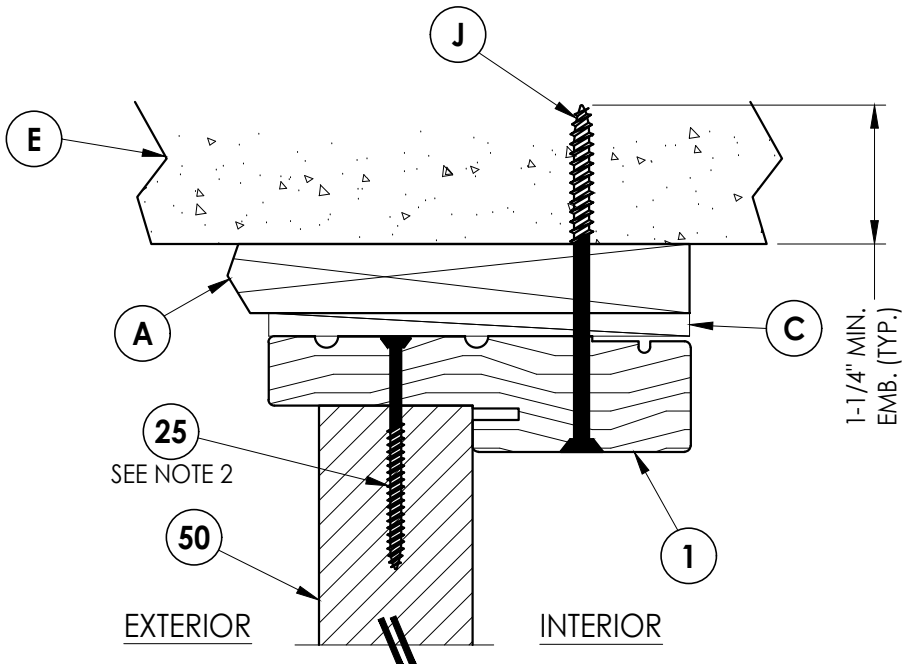
1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



3
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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

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	7/25/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	7/22/20	UPDATE TO 7th ED. (2020) FBC LFS
1	7/14/17	UPDATE TO 6TH ED. (2017) FBC JK

DATE: 08/02/16

SCALE: N.T.S.

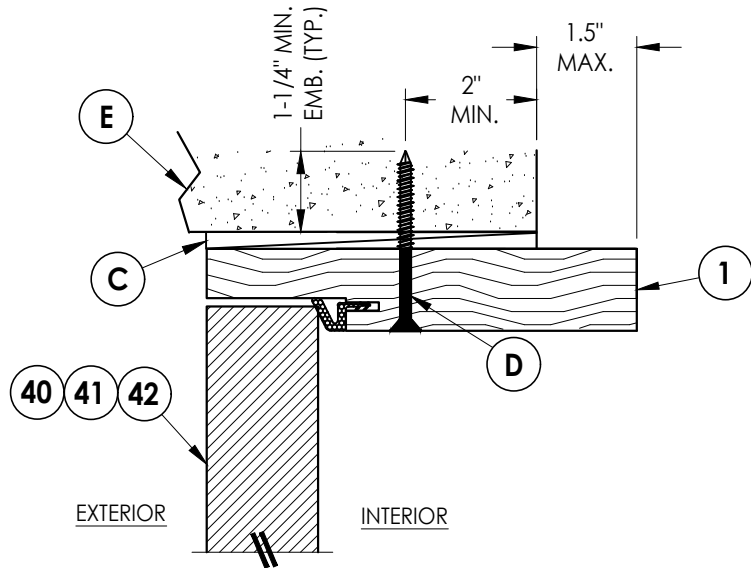
DWG. BY: JK

CHK. BY: LFS

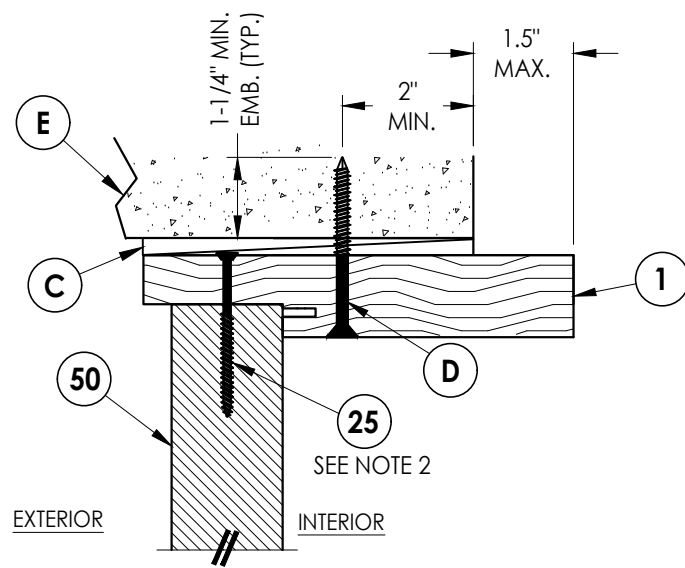
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FL-20470.2

SHEET 6 OF 14

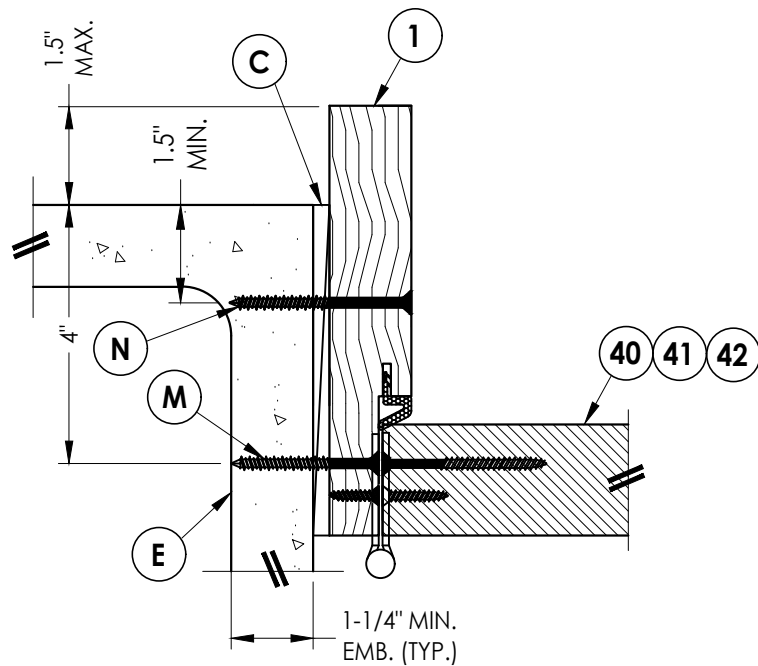


3
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

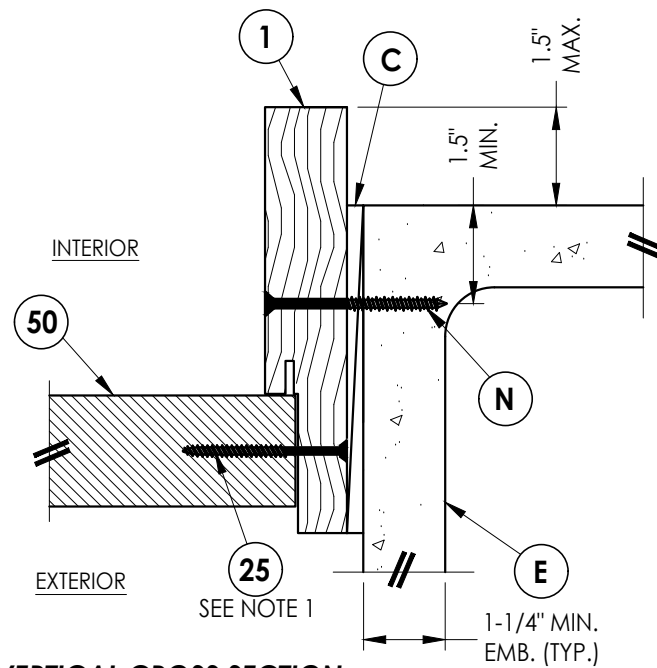


4
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

- 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
Outswing only w/ 6-9/16" jamb



2
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only 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)

NO.	DATE	BY	REVISIONS
3	7/25/23	LFS	UPDATE TO 8TH ED. (2023) FBC
2	7/22/20	LFS	UPDATE TO 7th ED (2020) FBC
1	7/14/17	JK	UPDATE TO 6TH ED. (2017) FBC

DATE: 8/02/16

SCALE: N.T.S.

DWG. BY: JK

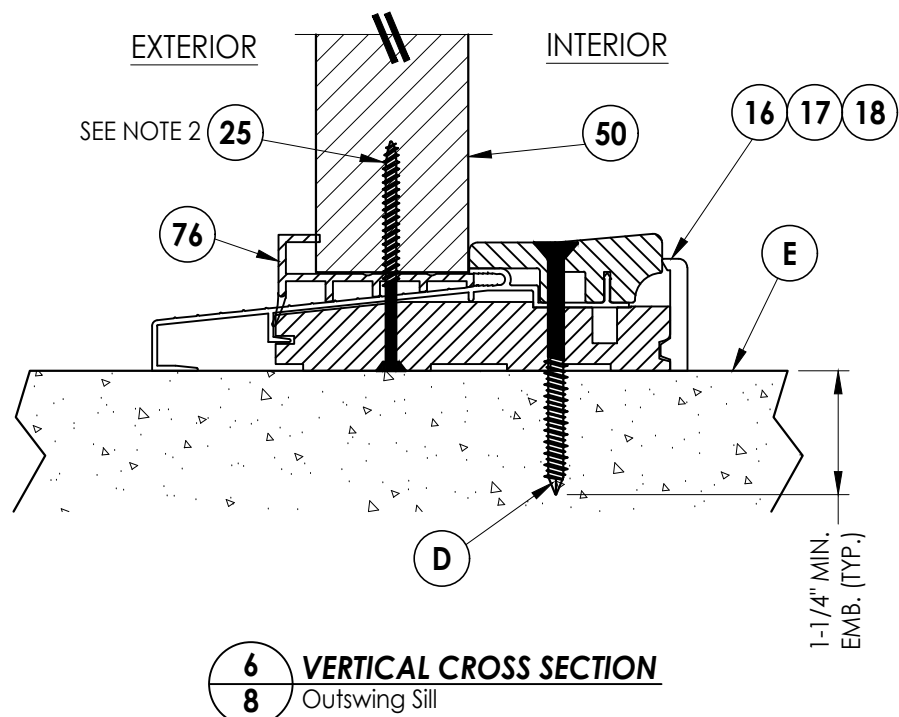
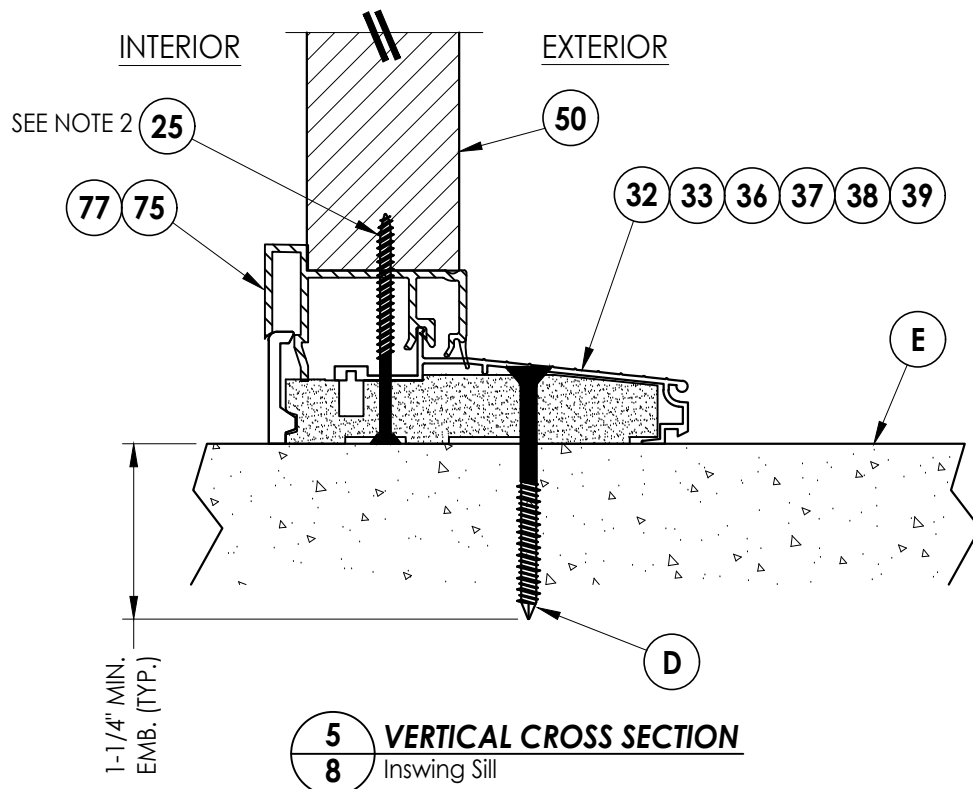
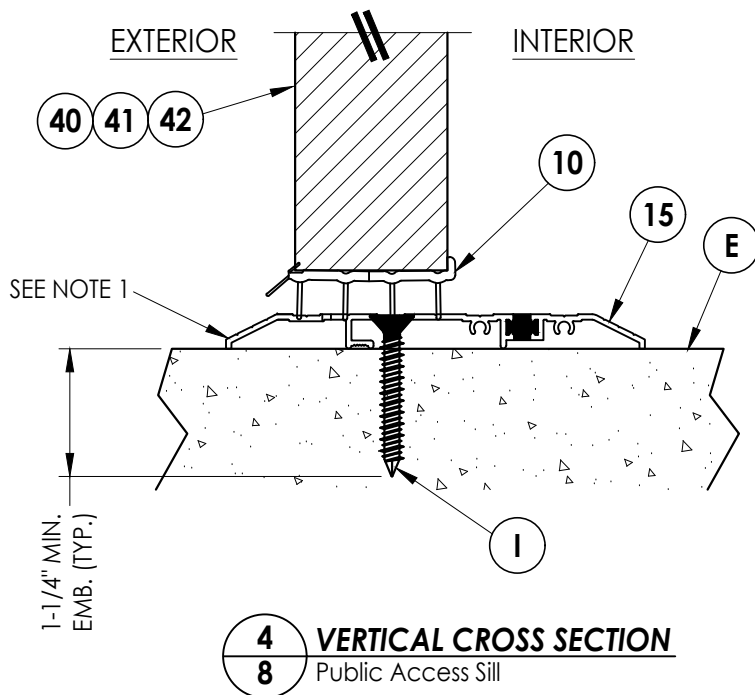
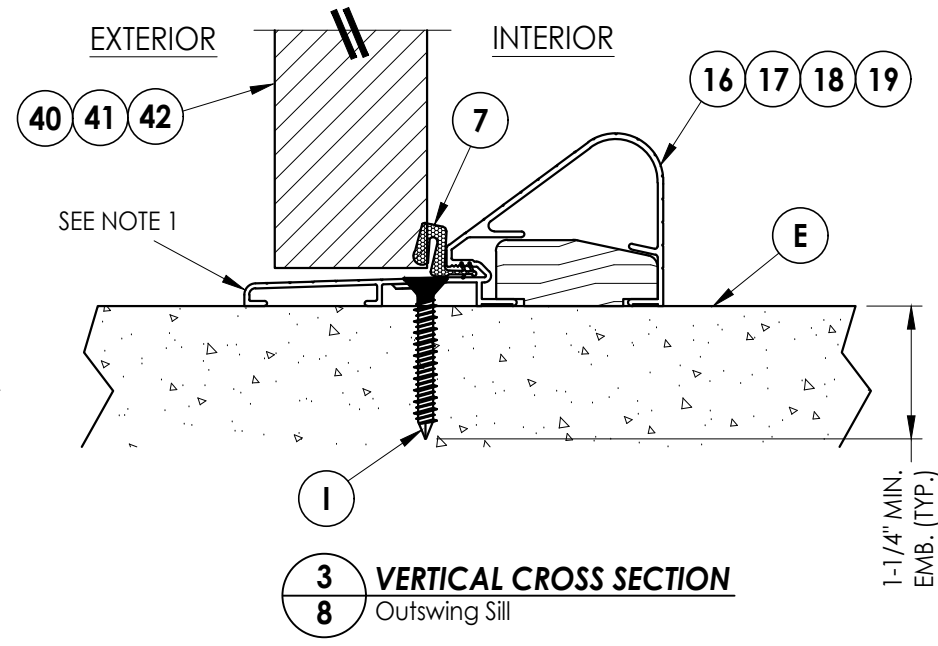
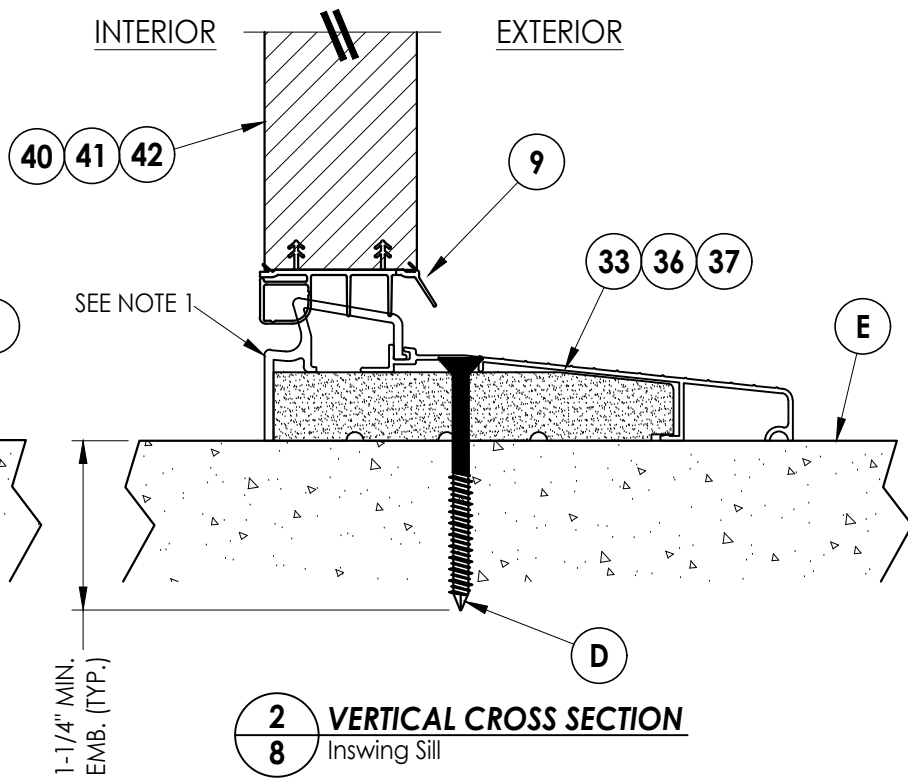
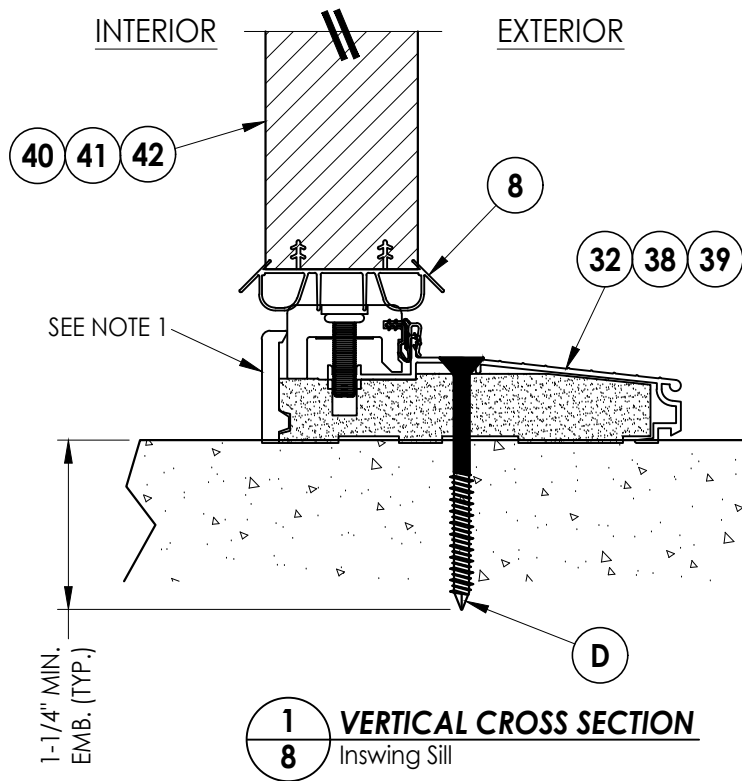
CHK. BY: LFS

DRAWING NO.:
FL-20470.2

SHEET 7 OF 14

Z:\2023 FBC Drawings\Therma-Tru\FL-20470 R4\FL-20470.1-3.dwg

- Notes:
- Sill Item #'s 16, 32, 33, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 17, 18 & 19 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 3" from each end & at centerline (3 screws along sill).



Documents Prepared By:
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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:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
3	7/25/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	7/22/20	UPDATE TO 7th ED (2020)	FBC	LFS	
1	7/14/17	UPDATE TO 6TH ED. (2017)	FBC	JK	

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

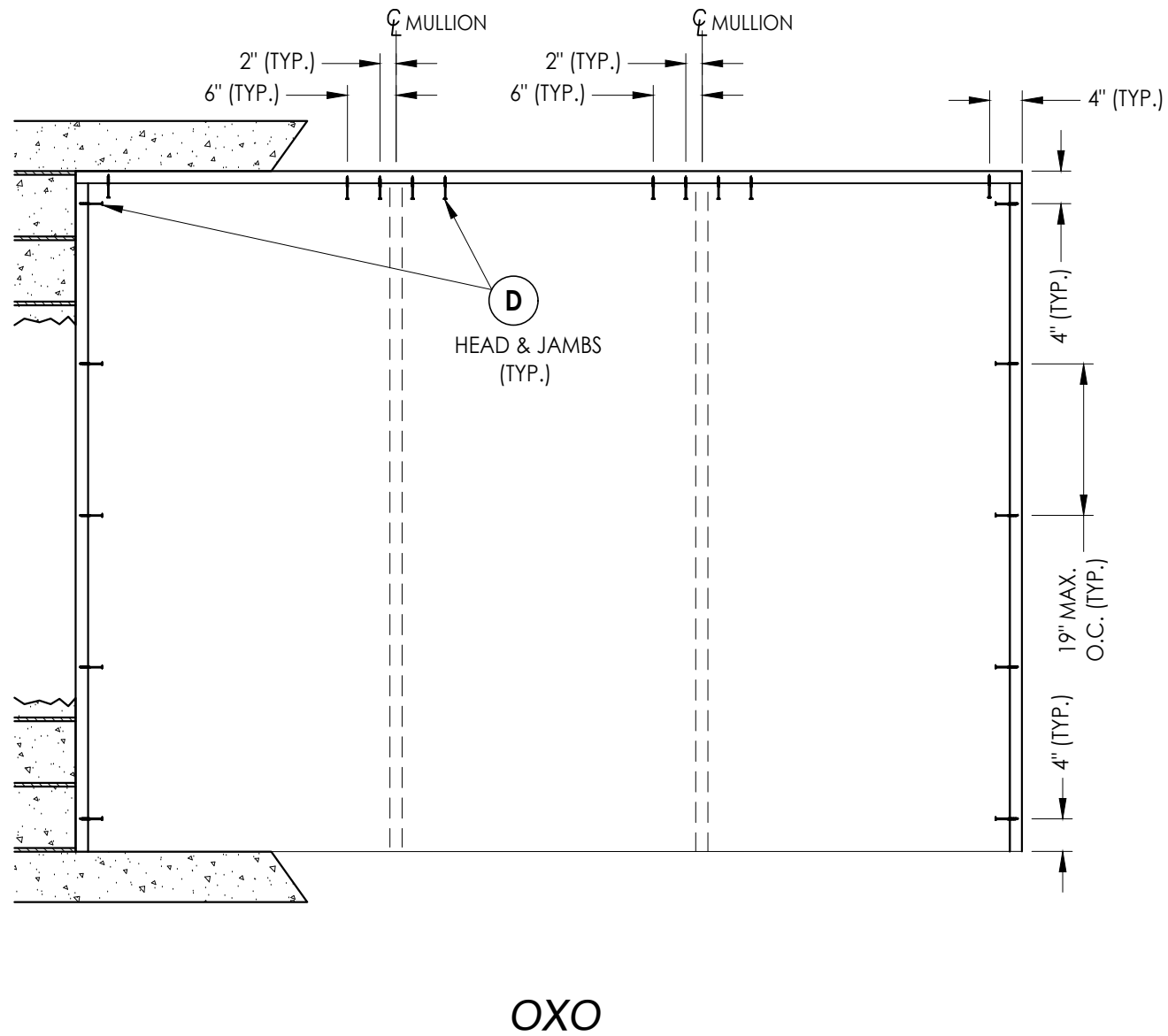
CHK. BY: LFS

DRAWING NO.:
FL-20470.2

SHEET 8 OF 14

XO/OX

2X BUCK ANCHORING



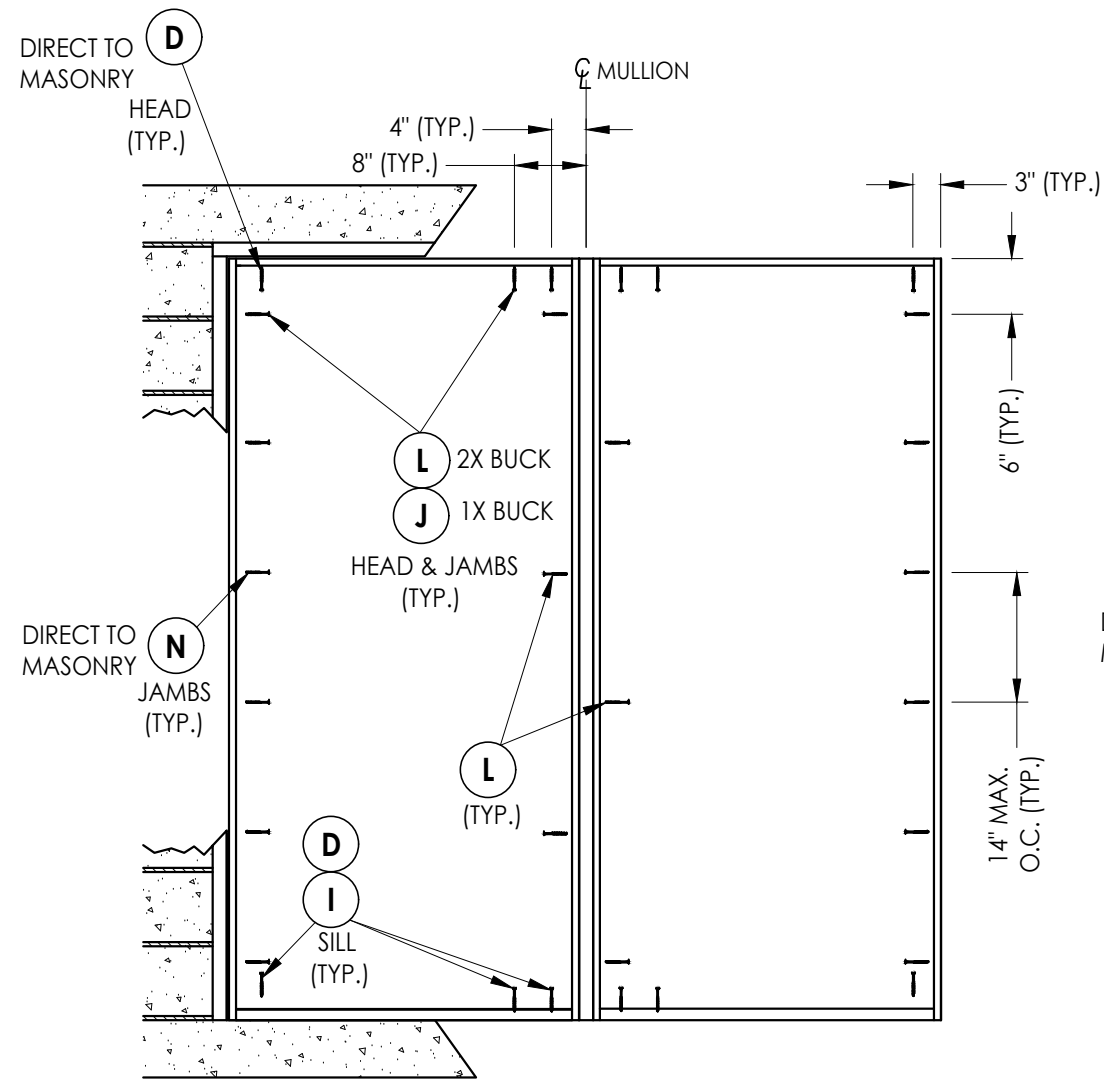
OXO

3	7/25/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
2	7/22/20	UPDATE TO 7th ED	(2020)	FBC	LFS
1	7/14/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
NO.	DATE				
					REVISIONS

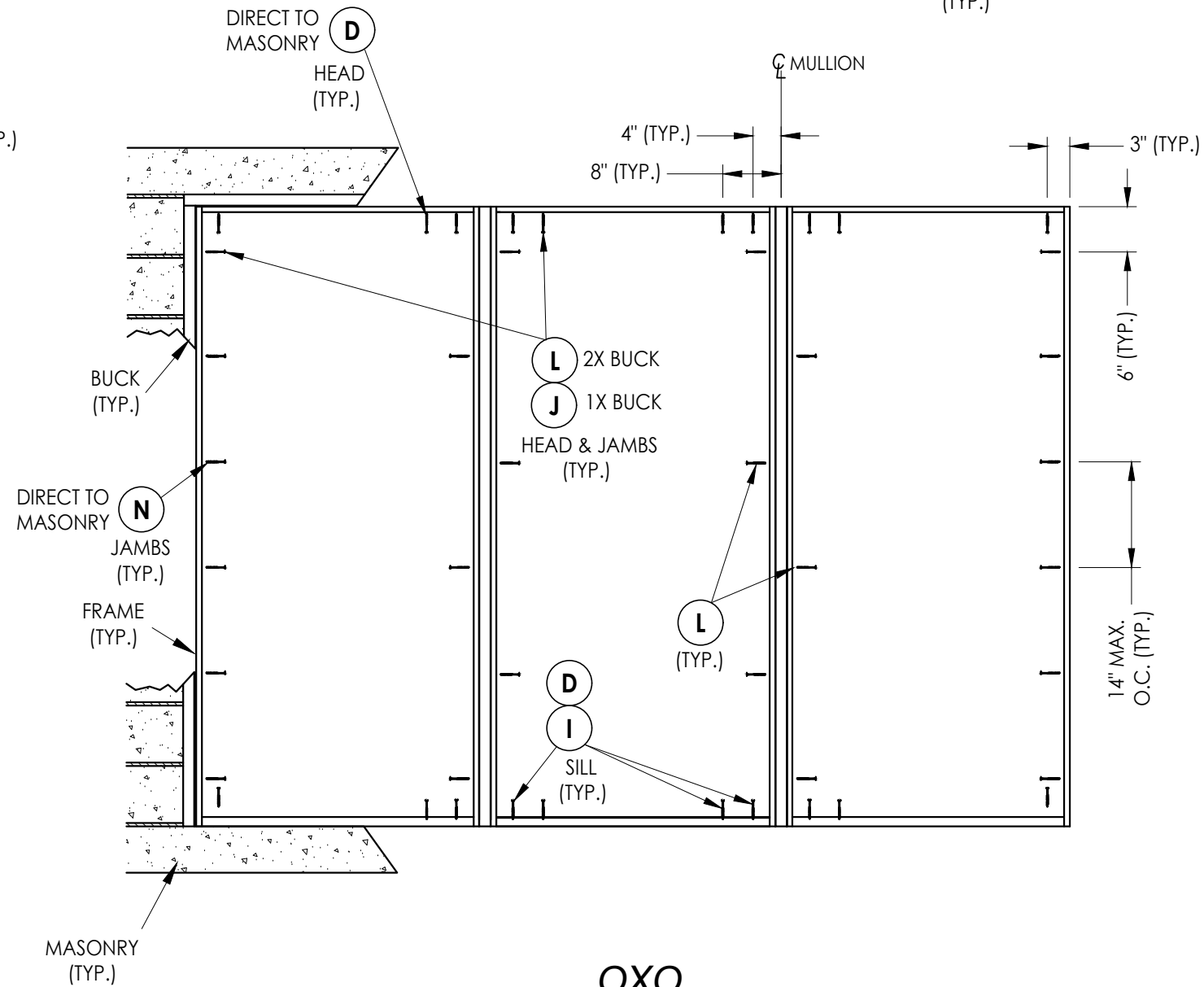
DATE:	08/02/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20470.2
SHEET	<u>9</u> OF <u>14</u>

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

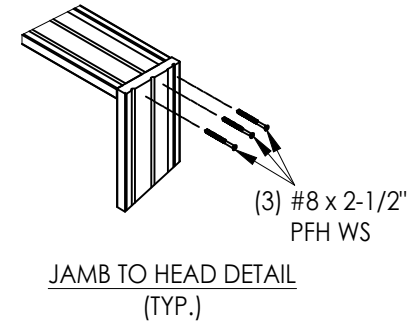


XO/OX



OXO

FRAME ANCHORING



3	7/25/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
2	7/22/20	UPDATE TO 7th ED (2020)	FBC	LFS
1	7/14/17	UPDATE TO 6TH ED. (2017)	FBC	JK
NO.	DATE			BY
				REVISIONS

DATE:	08/02/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20470.2
SHEET	10 OF 14

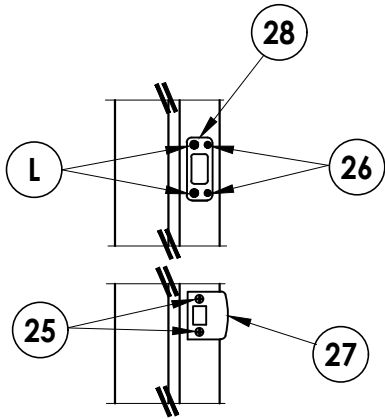
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

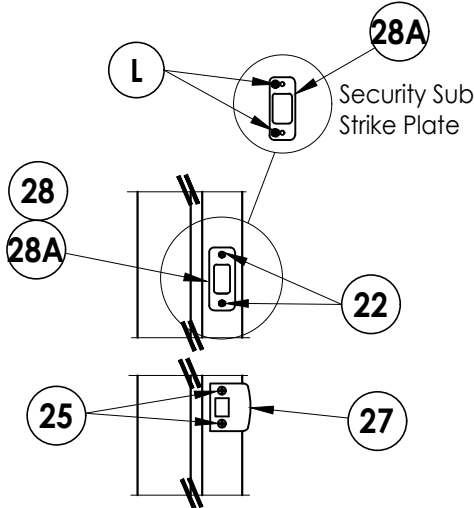
PART OR ASSEMBLY:
FRAME ANCHORING

RW BUILDING CO
P.O. Box 23
Phone No.: 8
FBPE Registr

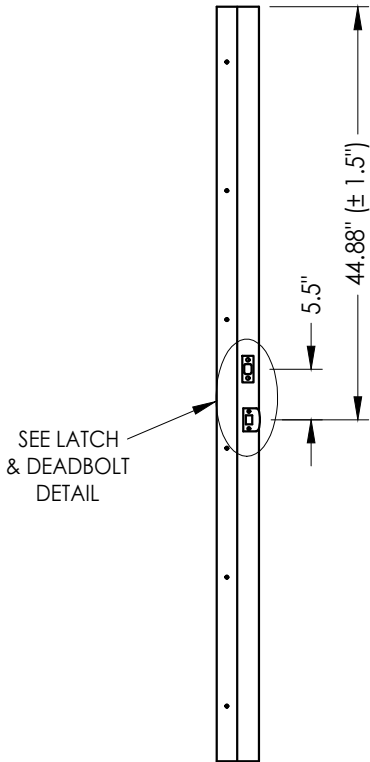
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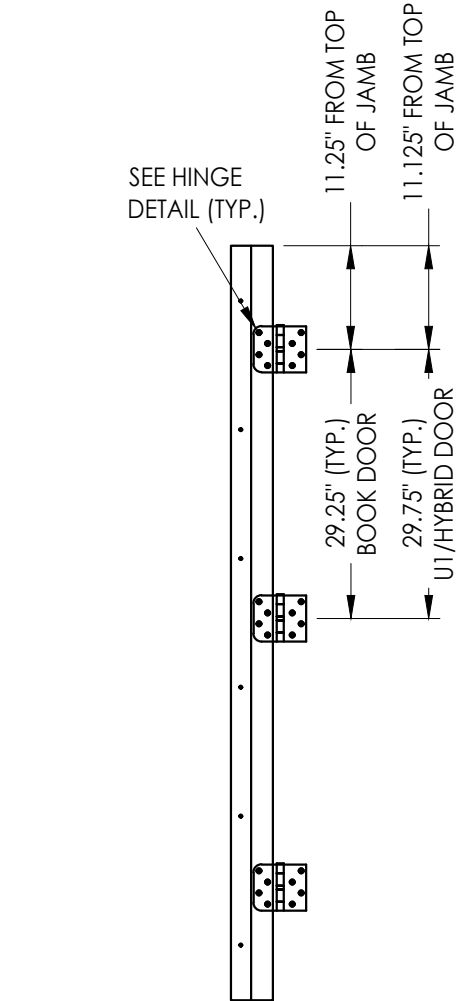
LATCH & DEADBOLT DETAIL
Kwikset



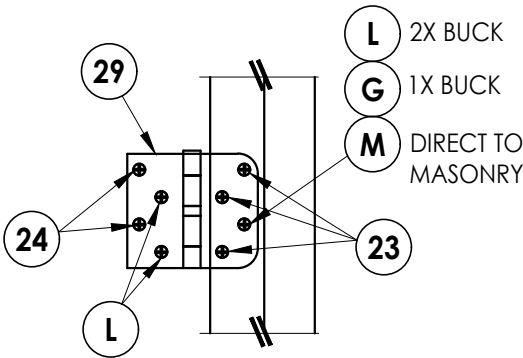
LATCH & DEADBOLT DETAIL
Schlage



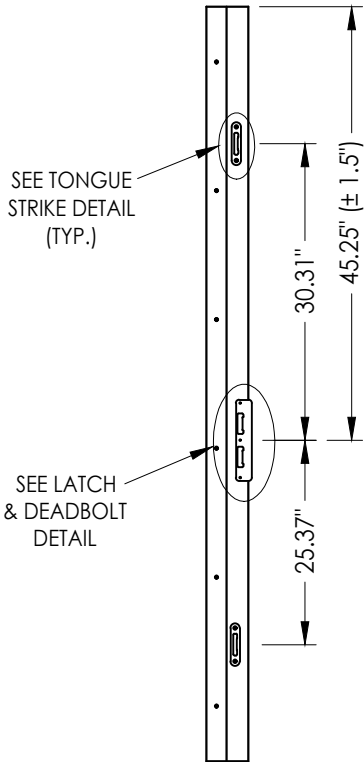
STRIKE JAMB
Latch and Deadbolt



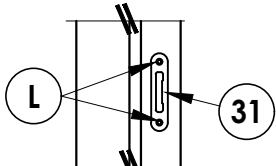
HINGE JAMB



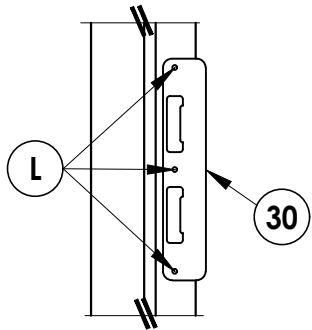
HINGE DETAIL



STRIKE JAMB
Multipoint Lock



TONGUE STRIKE DETAIL
Multipoint Lock



LATCH & DEADBOLT DETAIL
Multipoint Lock

LATCH & DEADBOLT STRIKE DETAILS

MULTIPOINT LOCK STRIKE DETAILS

REVISIONS		NO		DATE	BY
3	7/25/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
2	7/22/20	UPDATE TO 7th ED (2020)	FBC	LFS	
1	7/14/17	UPDATE TO 6TH ED. (2017)	FBC	JK	

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20470.2

SHEET 11 OF 14

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

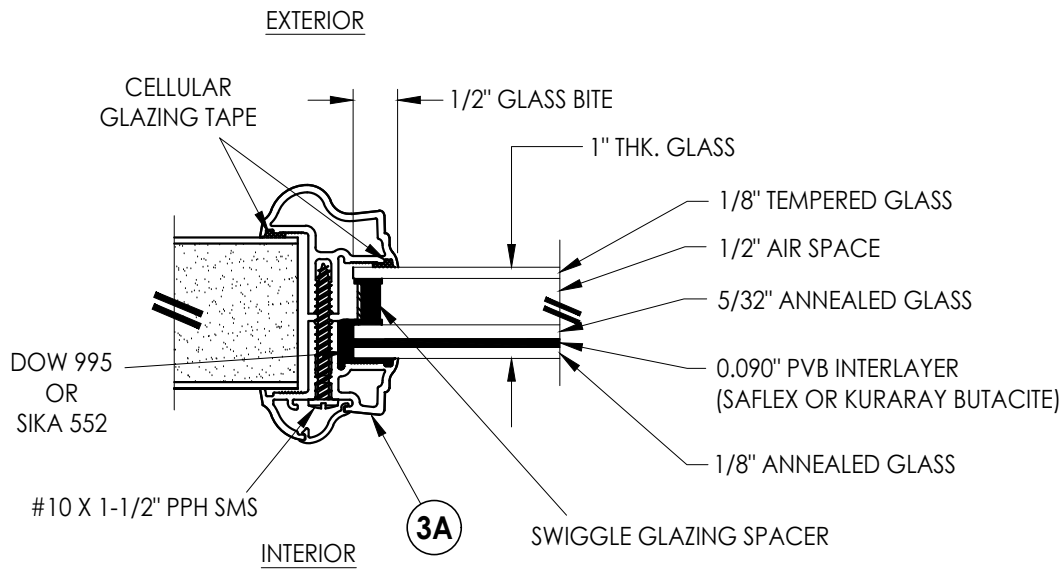
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

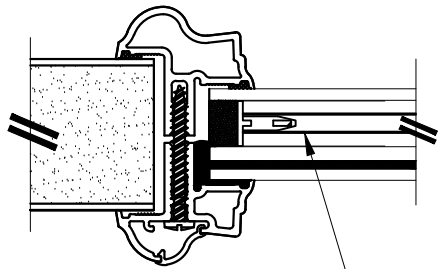
HARDWARE DETAILS

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

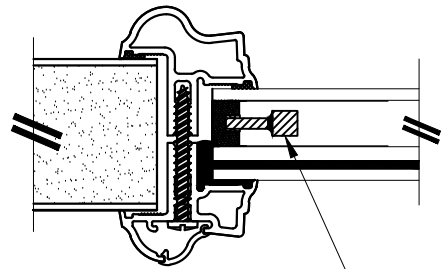
Z:\2023 FBC Drawings\Therma-Tru\FL-20470 R4\FL-20470.1-3.dwg



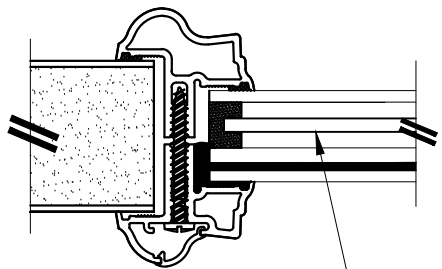
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



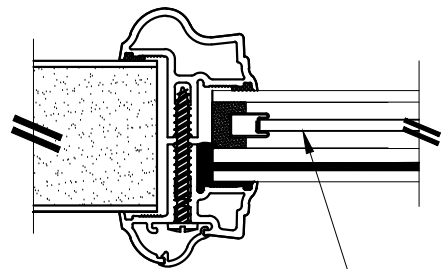
INTERNAL GRID (GBG)



WROUGHT IRON INSERT

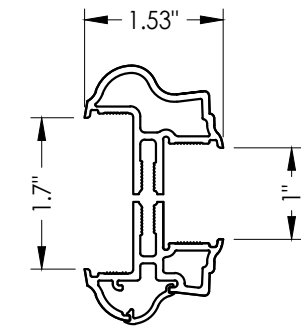


PRIVACY INSERT

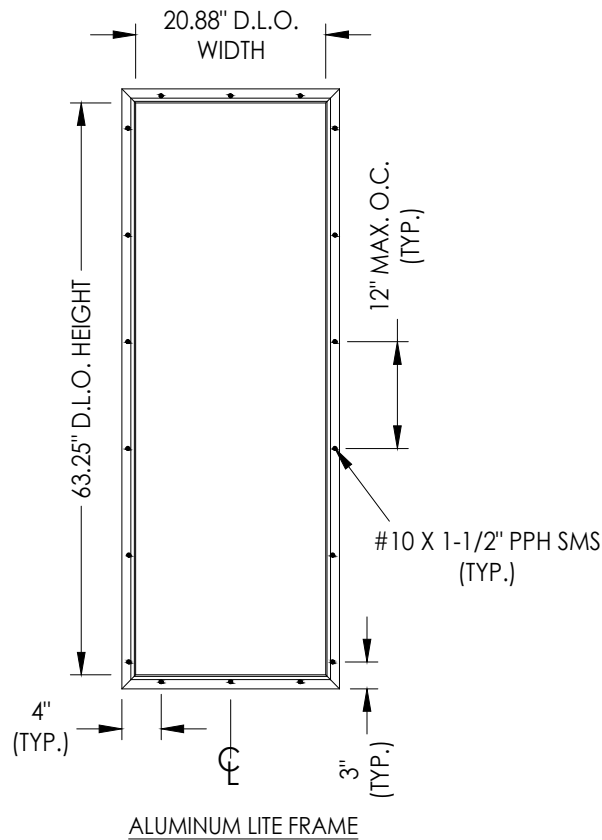


DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



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



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	7/25/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	7/22/20	UPDATE TO 7th ED (2020) FBC LFS
1	7/14/17	UPDATE TO 6TH ED. (2017) FBC JK

DATE: 8/02/16

SCALE: N.T.S.

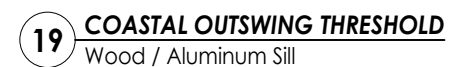
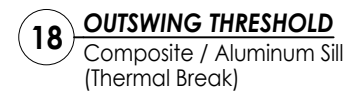
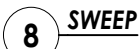
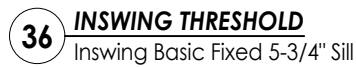
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20470.2

SHEET 12 OF 14



DATE:	08/02/16
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-20470.2
SHEET	13 OF 14

Documents Prepared By:

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Phone No.: 813.659.9197

Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

BILL OF MATERIALS			BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL	ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD	25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
B	2X BUCK (SG >= 0.42)	WOOD	26	#8 x 5/8" PFH WOOD SCREW	STEEL
C	1/4" MAX. SHIM SPACE	-	27	LATCH STRIKE PLATE	STEEL
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	28	DEADBOLT STRIKE PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28A	DEADBOLT SUB STRIKE PLATE	STEEL
			29	4" X 4" HINGE	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	30	LATCH & DEADBOLT STRIKE PLATE (TONGUE SYSTEM)	ALUM/COMP
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	31	MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)	ALUM/COMP
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	33	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	36	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	37	INSWING THRESHOLD	ALUM/COMP
1	JAMB (FINGER JOINT PINE)	WOOD	38	INSWING THRESHOLD	ALUM/COMP
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	39	INSWING THRESHOLD	ALUM/COMP
7	WEATHERSTRIP (LONG REACH)	FOAM	40	DOOR PANEL (BOOK)	-
8	SWEEP	VINYL	41	DOOR PANEL (HYBRID)	-
9	SWEEP (USE W/ MODERATE CLIMATE THRESHOLD)	VINYL	42	DOOR PANEL (U1)	-
10	SWEEP (USE W/ PUBLIC ACCESS THRESHOLD)	VINYL	50	SIDELITE	-
15	PUBLIC ACCESS THRESHOLD	ALUM	75	SIDELITE SPACER (INSWING)	PVC
16	OUTSWING THRESHOLD	ALUM/COMP	76	SIDELITE SPACER (OUTSWING)	PVC
17	OUTSWING THRESHOLD	ALUM/COMP	77	SIDELITE SPACER (INSWING) - MODERATE CLIMATE SILL	PVC
18	OUTSWING THRESHOLD	ALUM/COMP	88	2X MULLION (SG >= 0.55)	WOOD
19	COASTAL OUTSWING THRESHOLD	ALUM/WOOD			
22	#8 x 3/4" PFH WOOD SCREW	STEEL			
23	#10 x 3/4" PFH WOOD SCREW	STEEL			
24	#10 x 1" PFH WOOD SCREW	STEEL			

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 ULTRA CON+®	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]