



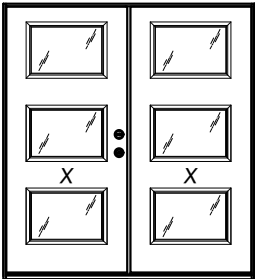
Fiber-Classic® & Smooth-Star®

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

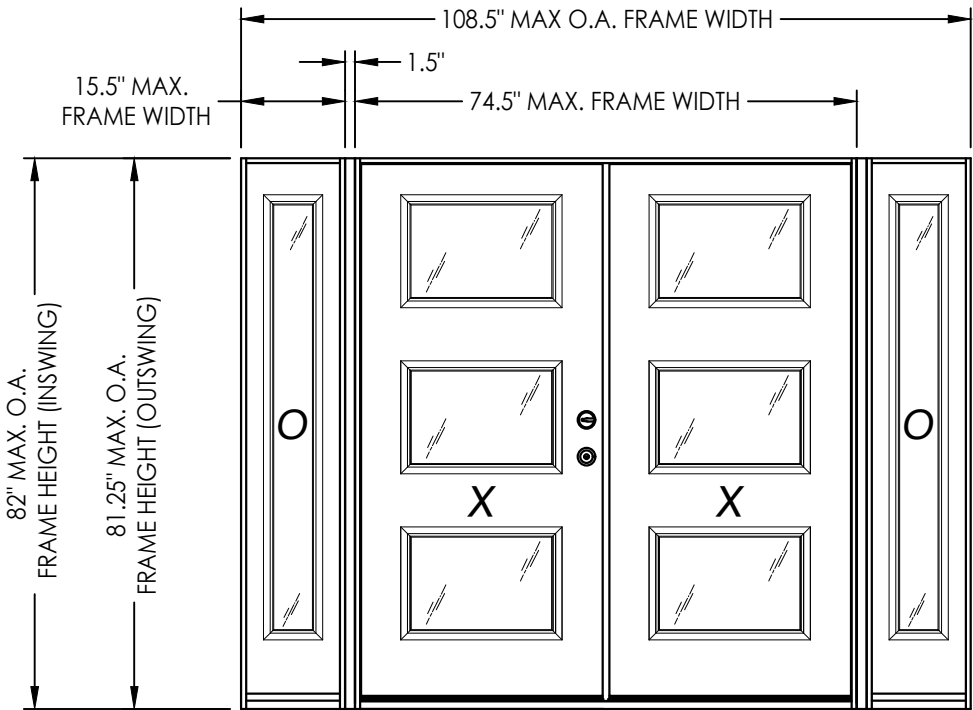
GENERAL NOTES

1. This product evaluation drawing has been developed in compliance with the 8th Edition (2023) 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 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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.

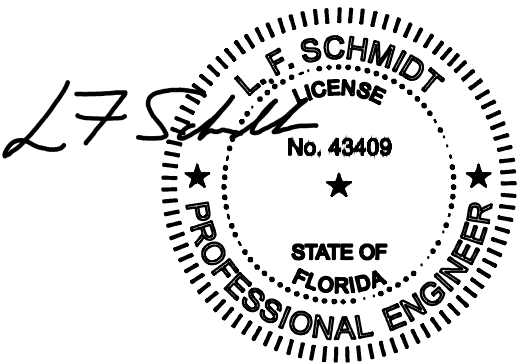
TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET#	
1	Typical Elevations, Design Pressures & General Notes	8	Vertical Cross Sections (Thresholds)
2	Door Panel Details	9	Buck Anchoring
3	Sidelite Panel Details	10	Frame Anchoring
4	Elevations	11	Hardware Details
5	Horizontal & Vertical Cross Sections (2X 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: 2025.06.17 07:59:27 -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

RW 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

NO.	DATE	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

DATE: 10/01/19

SCALE: N.T.S.

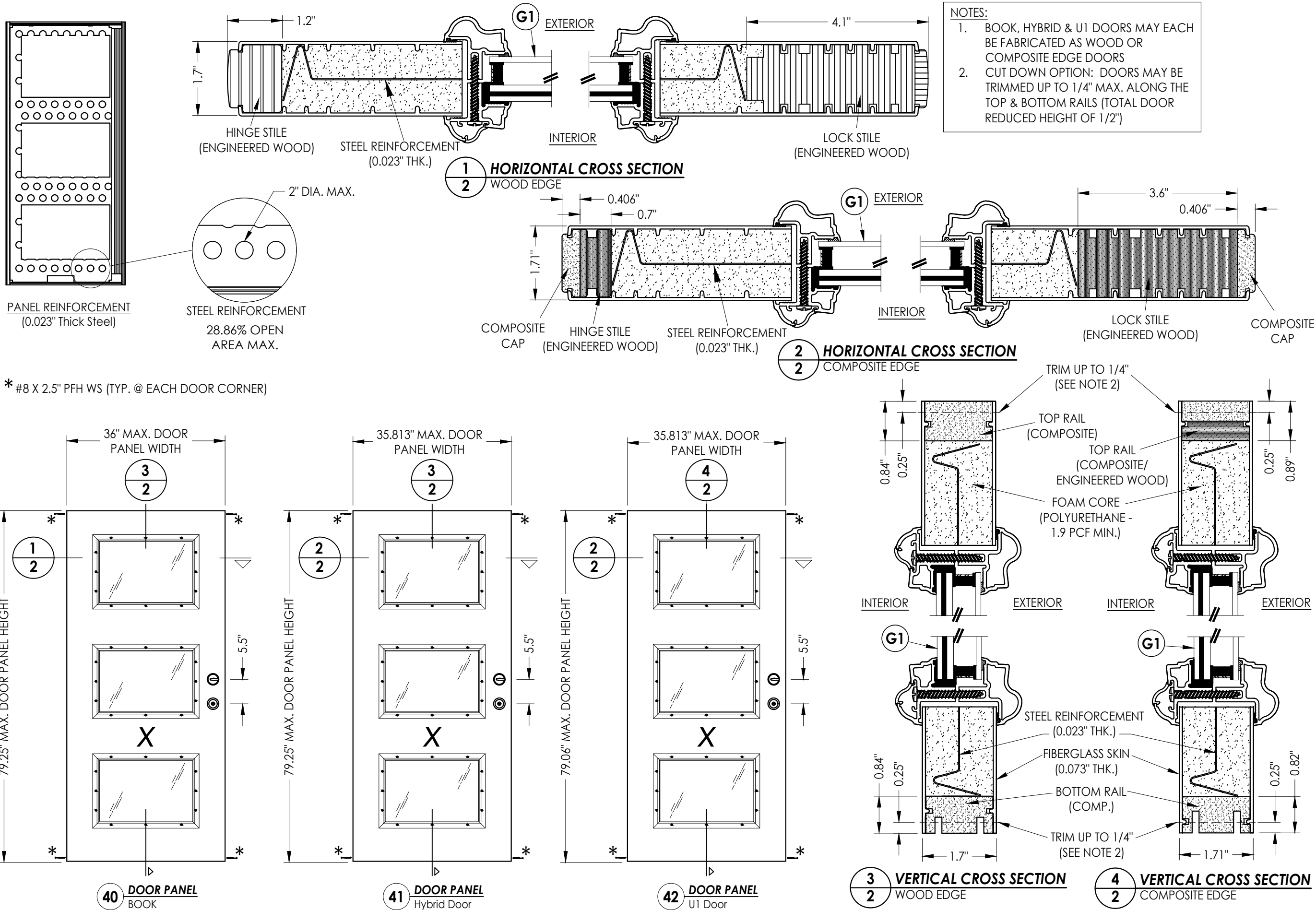
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-30482.3

SHEET 1 OF 13

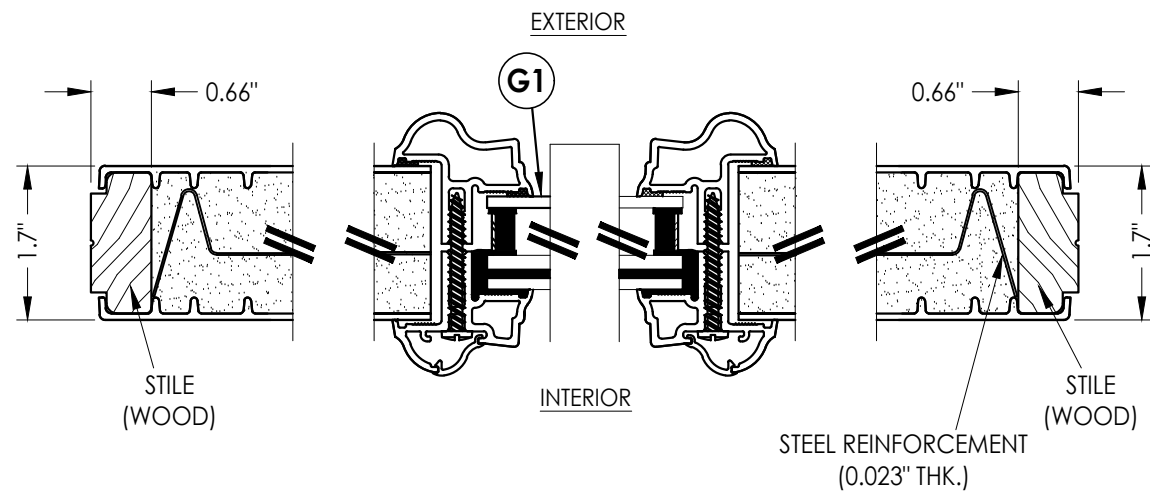
Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R5\FL-30482.1-3.dwg



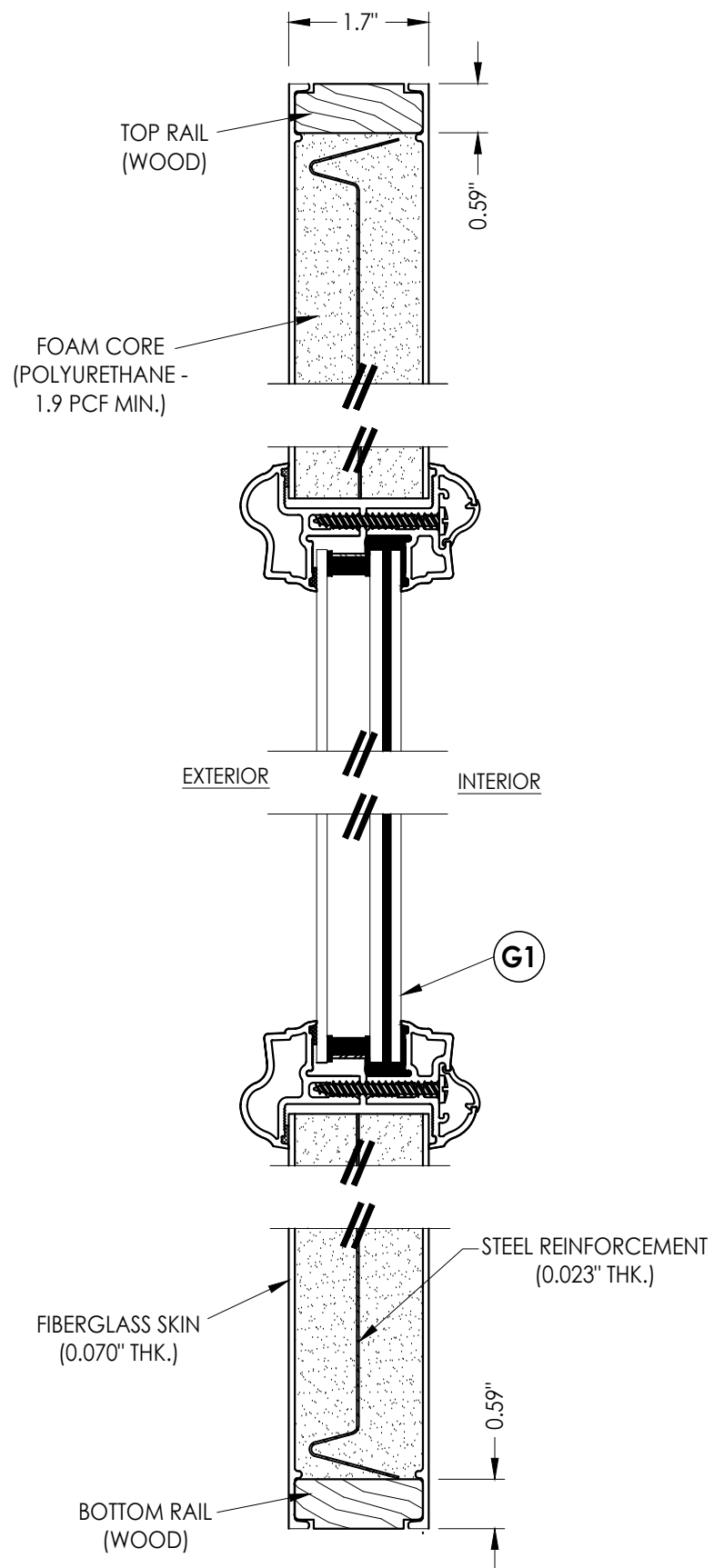
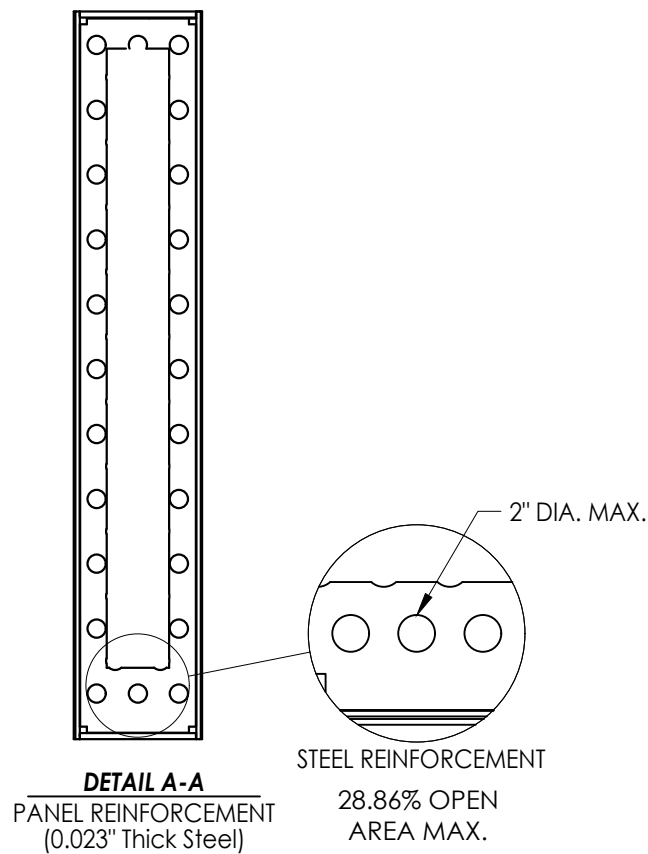
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

50 SIDELITE PANEL



1 **HORIZONTAL CROSS SECTION**
3



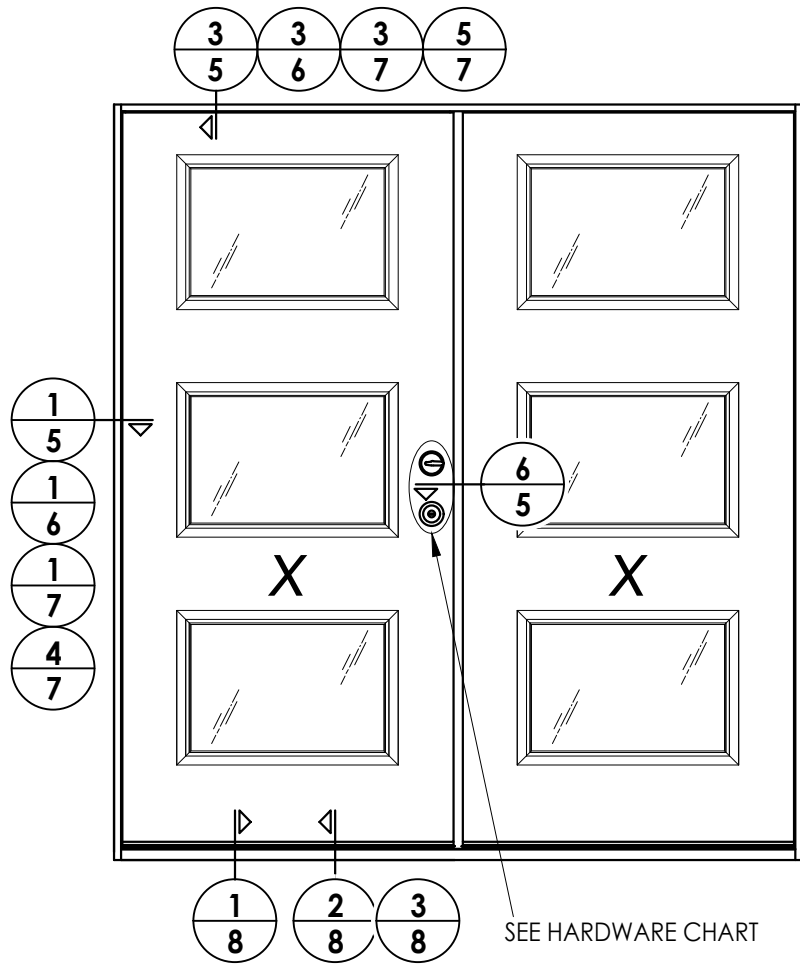
2 **VERTICAL CROSS SECTION**
3

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	3	OF	13		

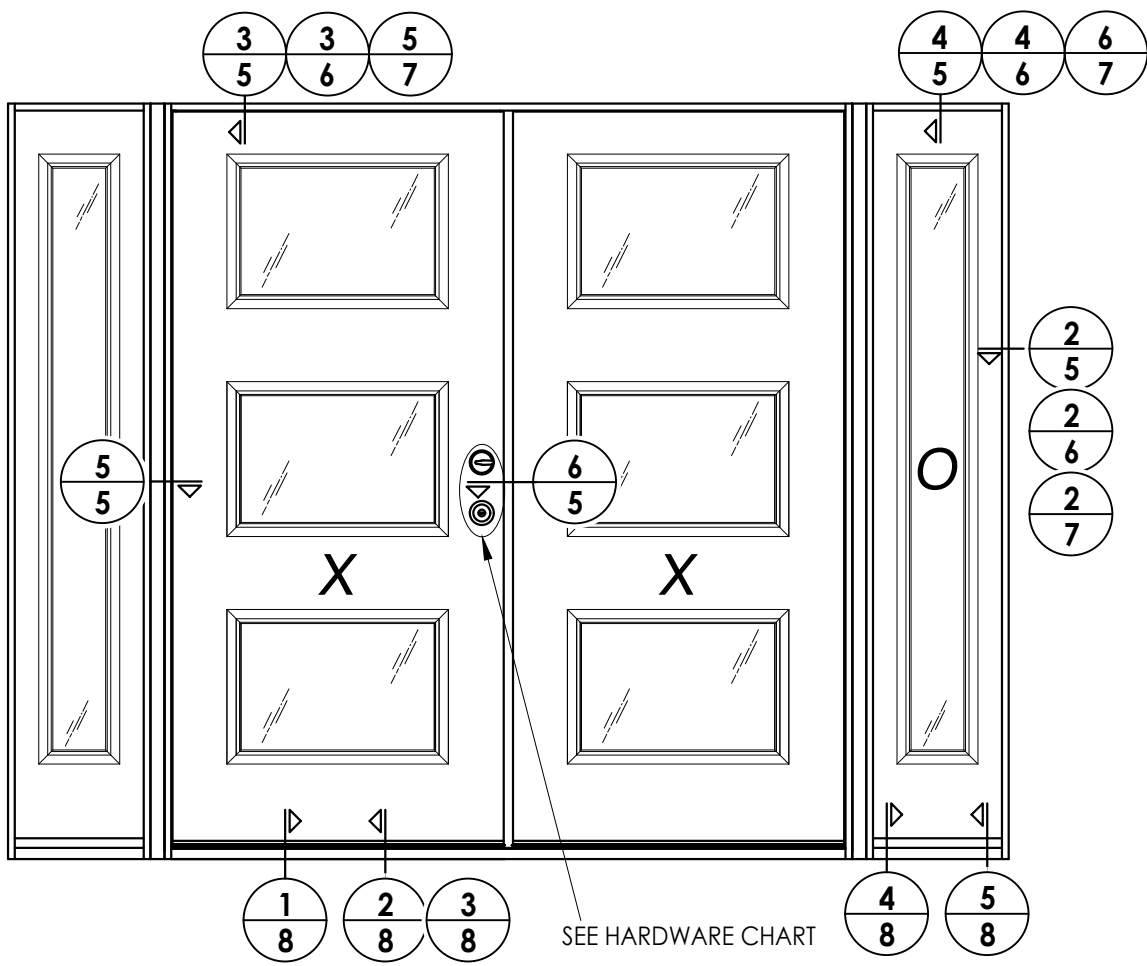
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

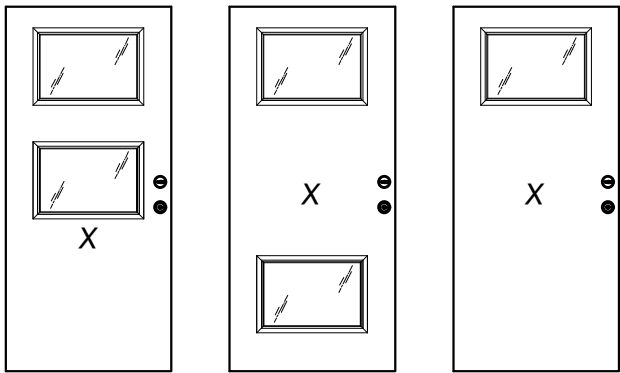
Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R5\FL-30482.1-3.dwg



ELEVATION
XX



ELEVATION
OXO



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

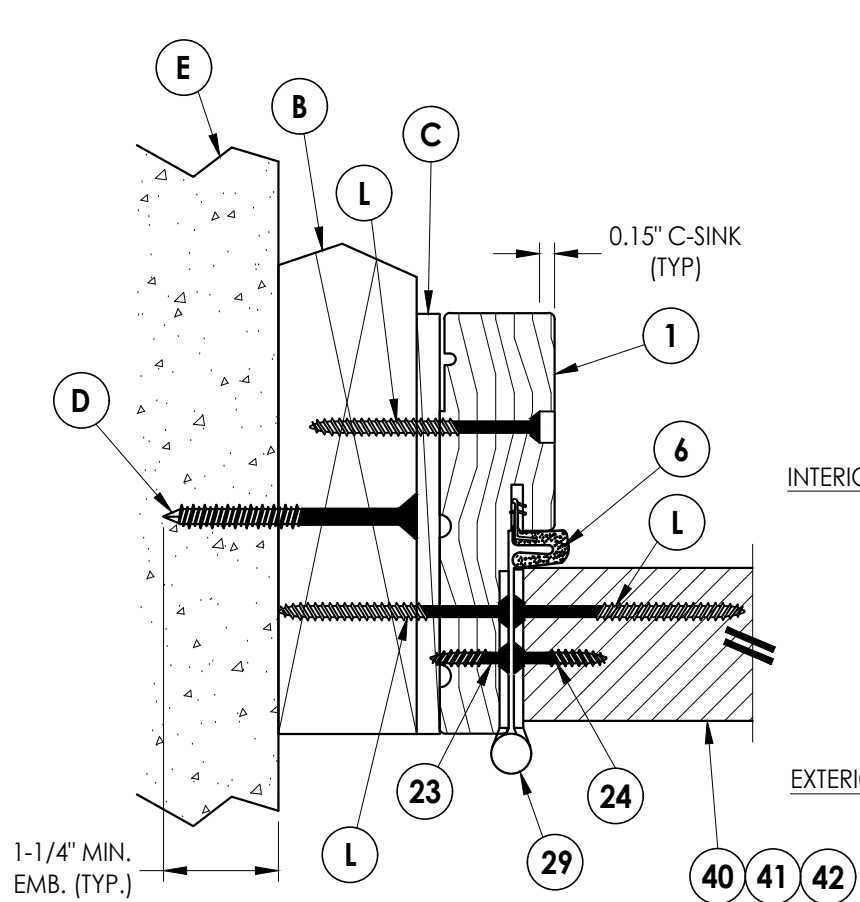
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

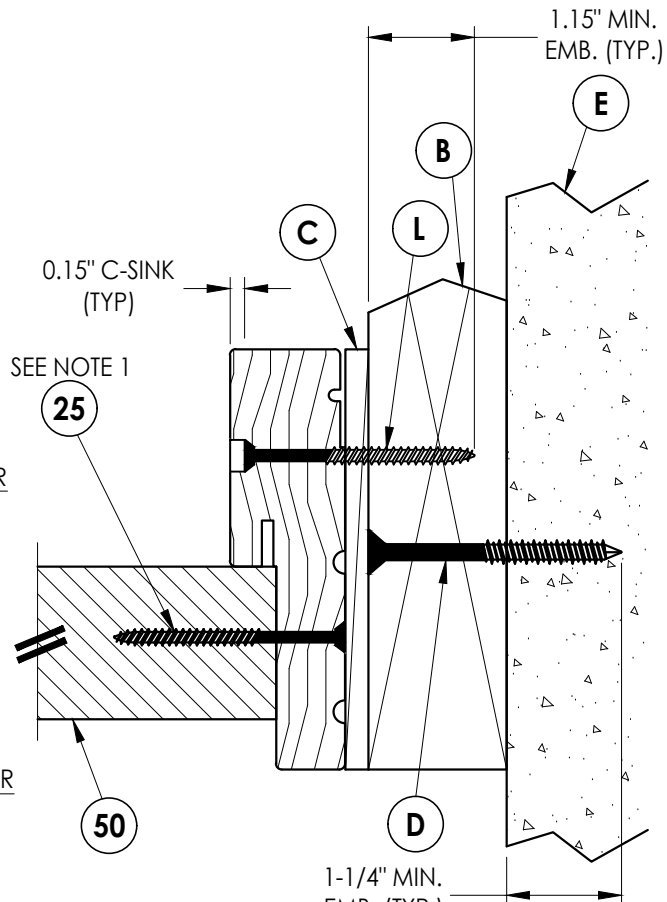
PART OR ASSEMBLY:
ELEVATIONS

REVISIONS	
NO.	DATE
4	6/16/25
3	7/27/23
2	7/23/20
1	5/20/20
DATE:	10/01/19
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-30482.3
SHEET	4 OF 13

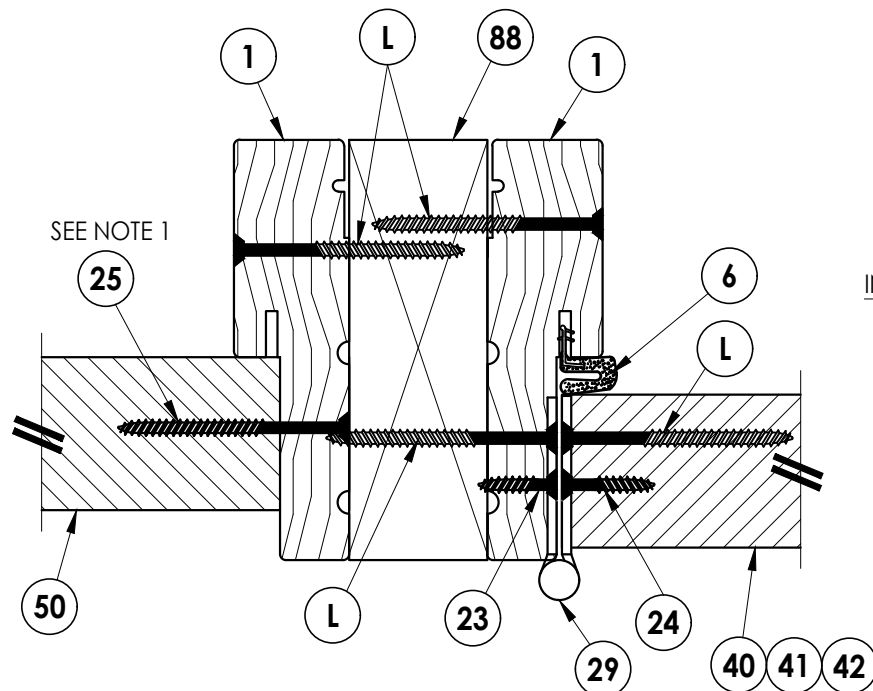
Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R5\FL-30482.1-3.dwg



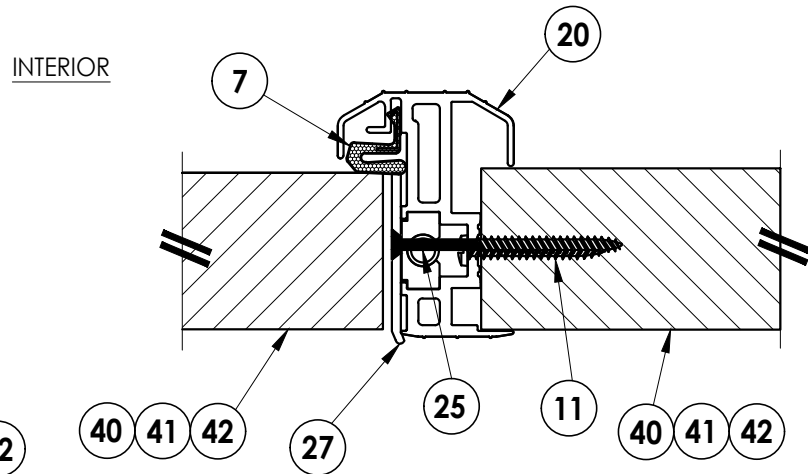
1 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



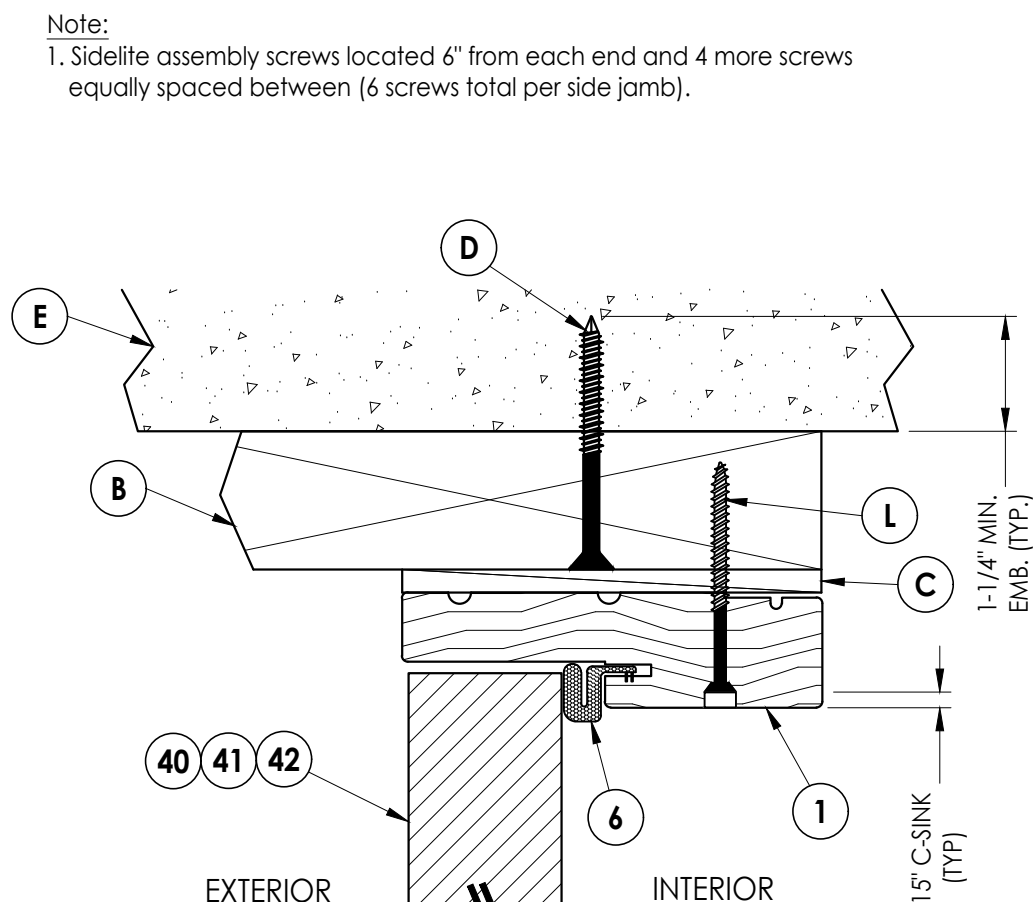
2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



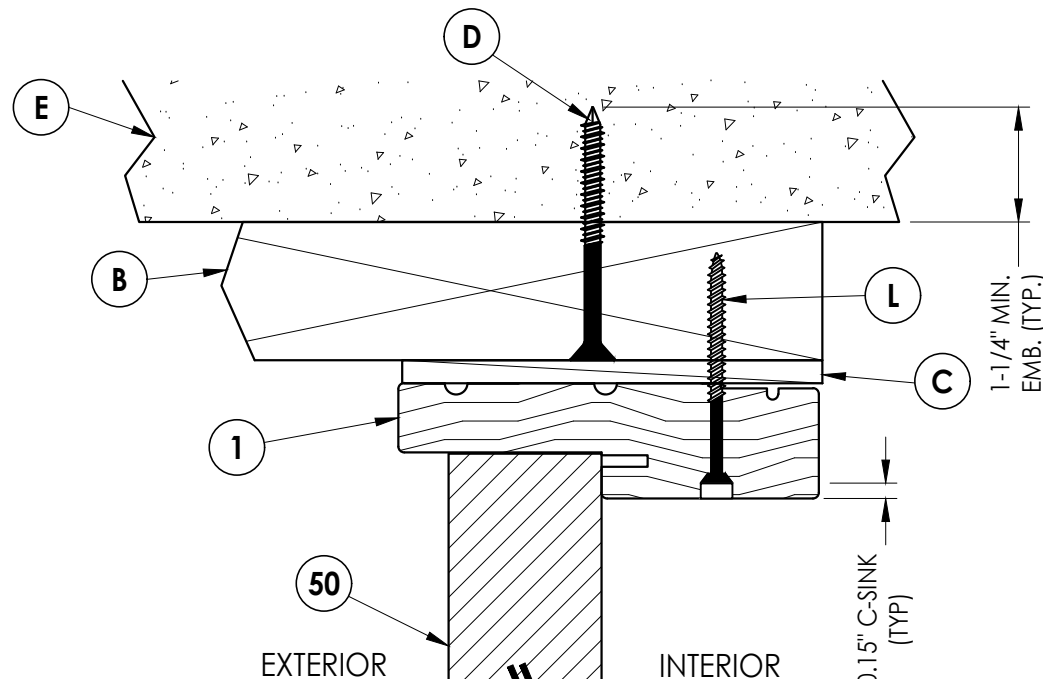
5 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)



6 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)



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)

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

RW 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:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	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

DATE: 10/01/19

SCALE: N.T.S.

DWG. BY: RW

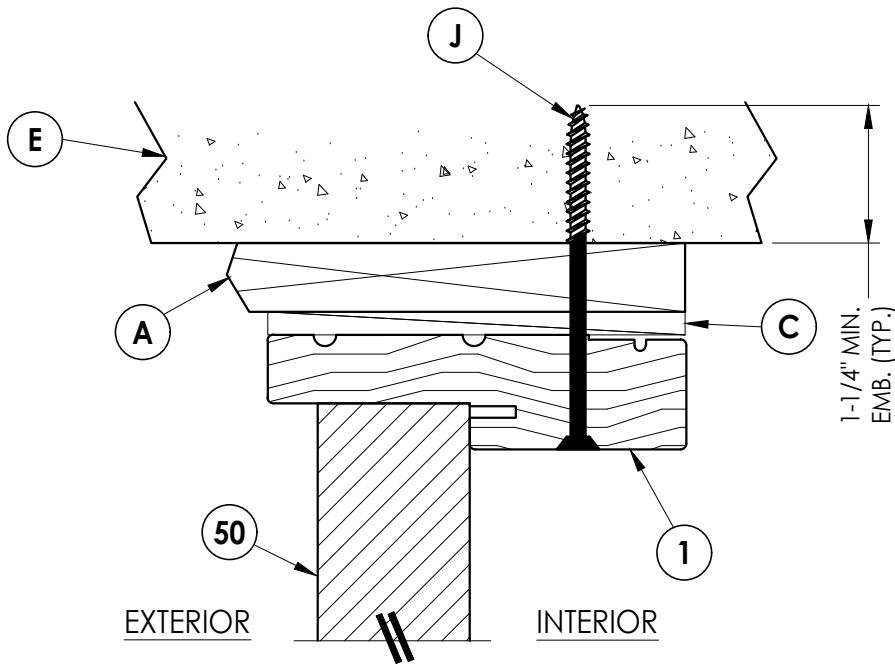
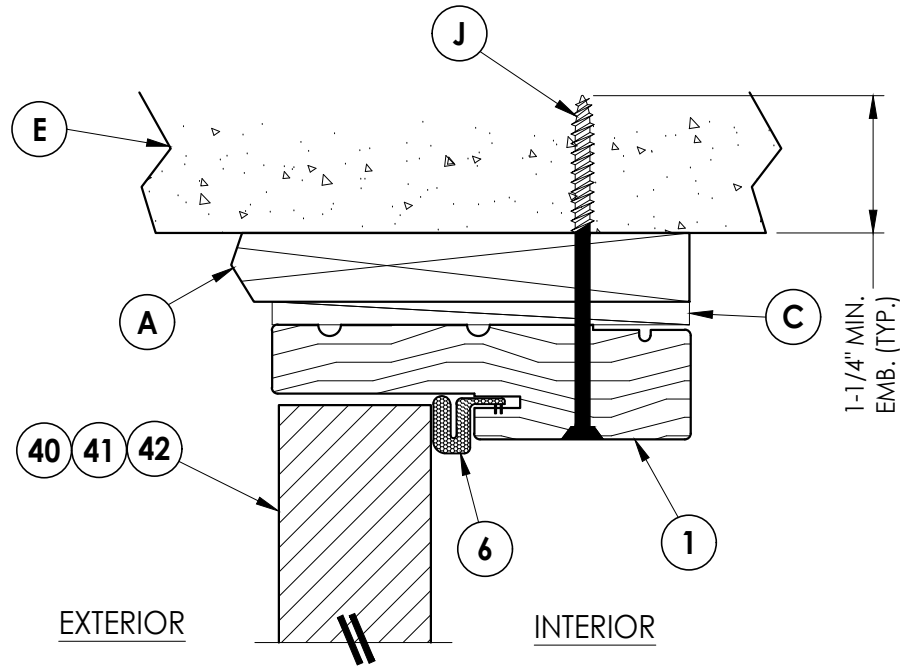
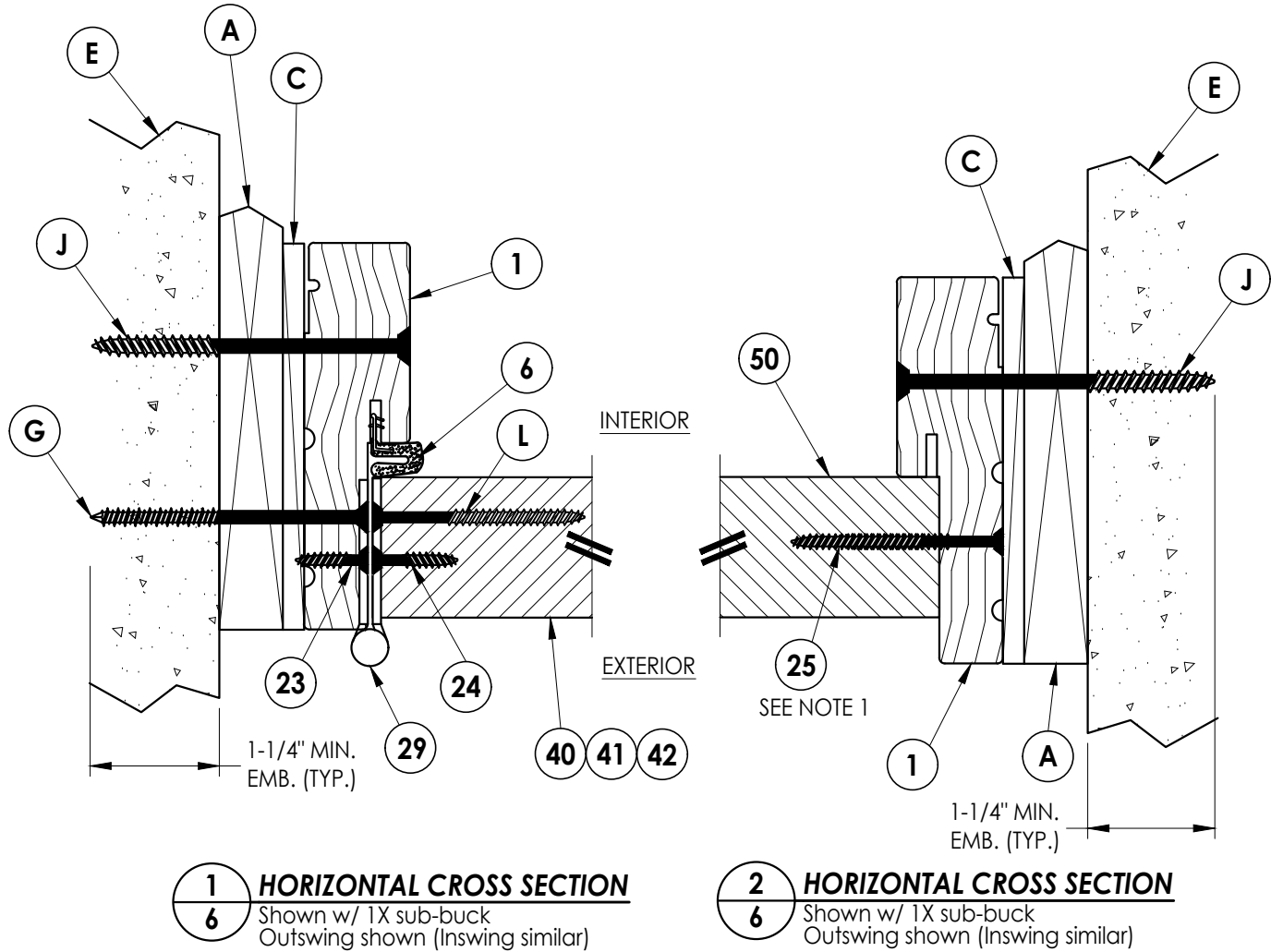
CHK. BY: LFS

DRAWING NO.: FL-30482.3

SHEET 5 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R5\FL-30482.1-3.dwg

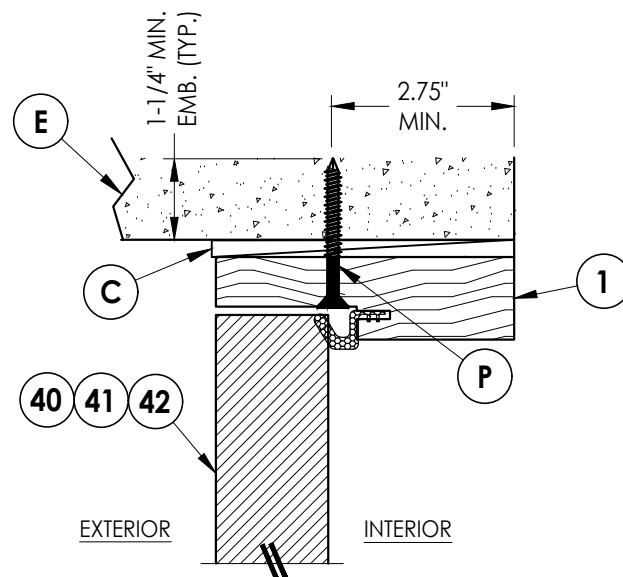
Note:
1. Sidelite assembly screws located 6" from each end and 4 more screws
equally spaced between (6 screws total per side jamb).



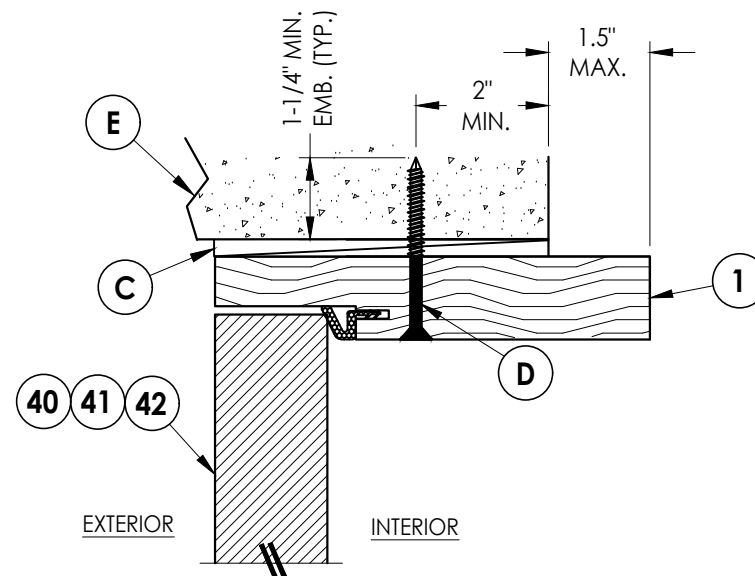
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
4	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS	REVISIONS	
3	7/27/23	UPDATE TO 8TH ED. (2023) FBC	LFS		
2	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS		
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 6 OF 13					

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

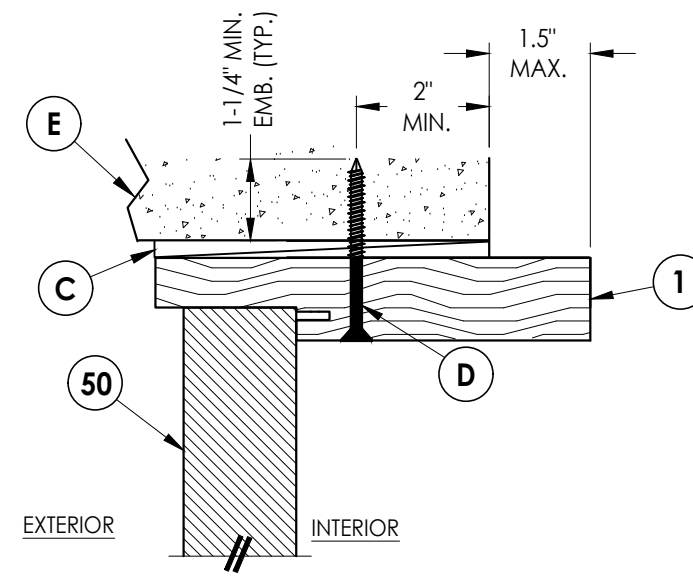
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry License No. 9813



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



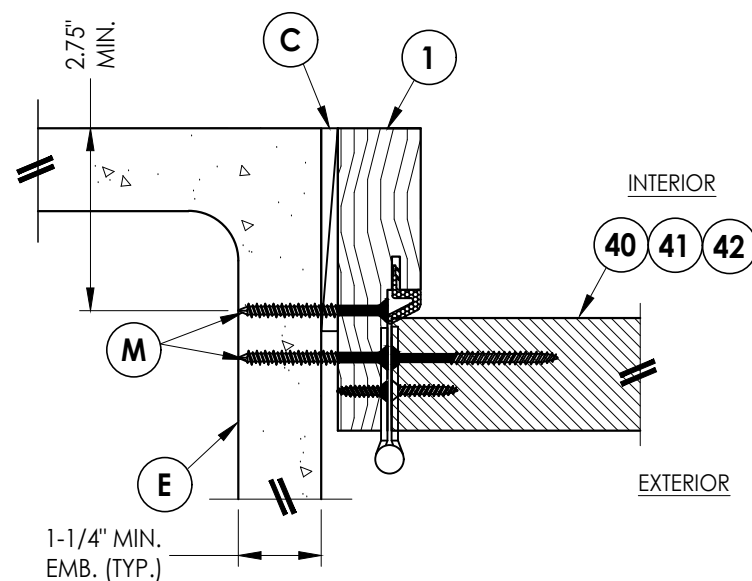
5 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



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

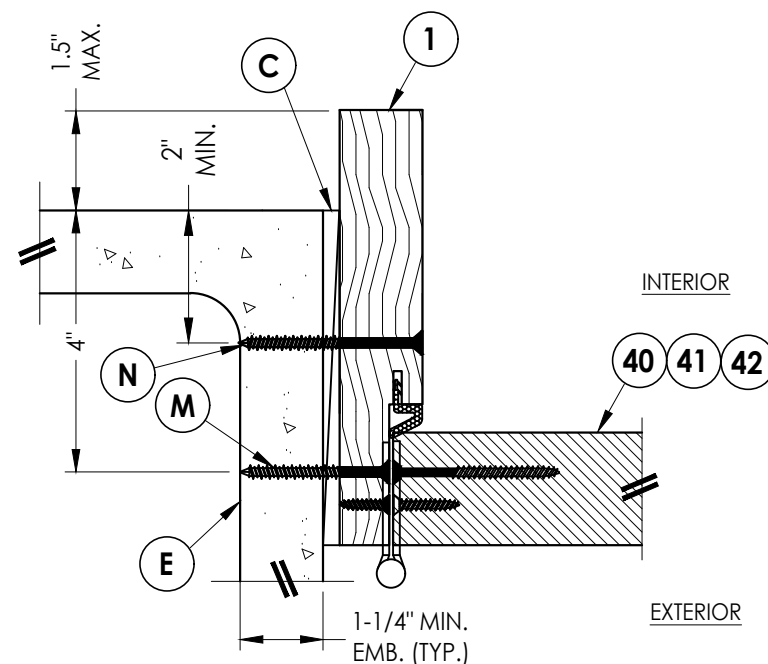
Note:

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

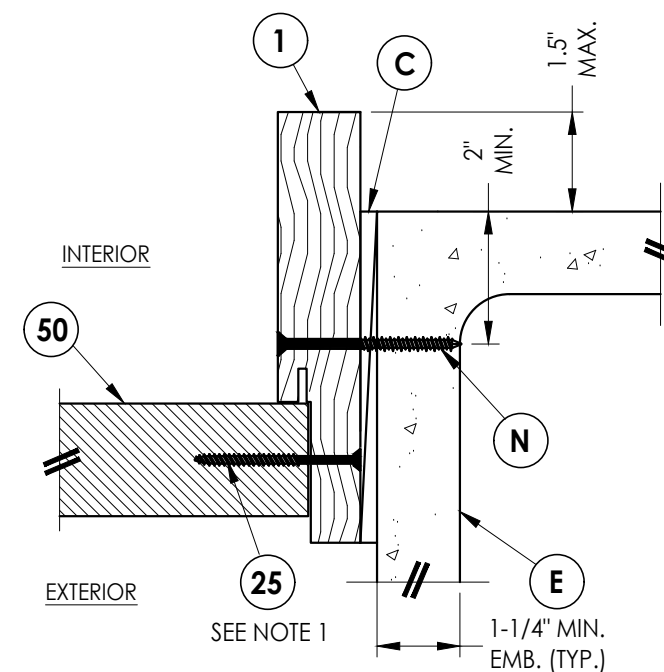


1 7 **HORIZONTAL CROSS SECTION**

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

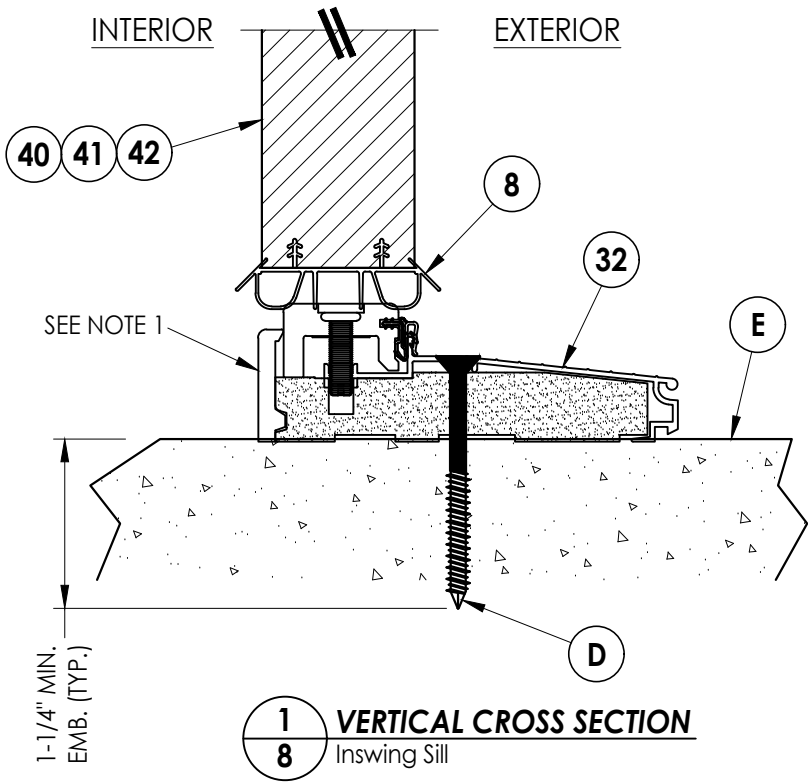


2 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

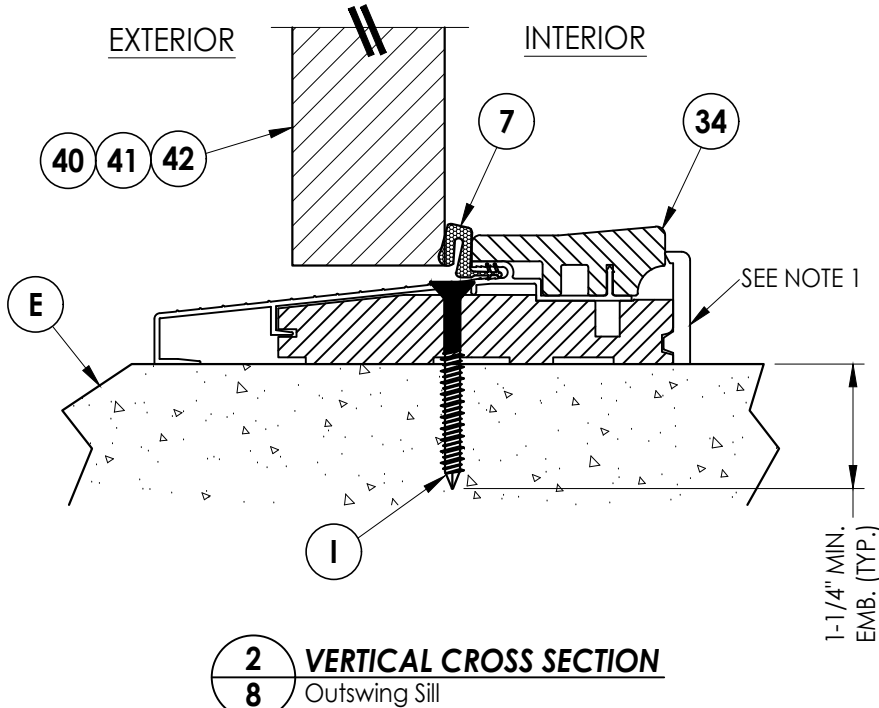
						Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
PRODUCT:						THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:						HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)	
		4	6/16/25	REVISE DIRECT TO MASONRY INST.	LFS		
		3	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS		
		2	7/23/20	UPDATE TO 7TH ED (2020)	FBC LFS		
		1	5/20/20	ADD DOOR CUT DOWN OPTION	LFS		
		NO.	DATE		BY		
						REVISIONS	
DATE:		8/10/16					
SCALE:		N.T.S.					
DWG. BY:		RW					
CHK. BY:		LFS					
DRAWING NO.:		FL-30482.3					
SHEET		7		OF		13	

Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R5\FL-30482.1-3.dwg

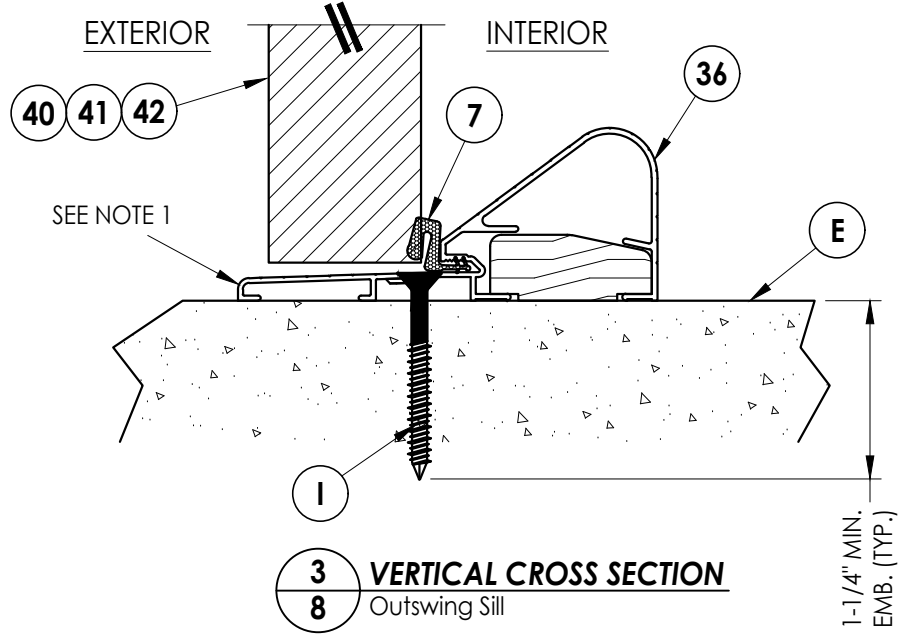
Note:
1. Sill Item #'s 32, 33, 34 & 35 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 36 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.



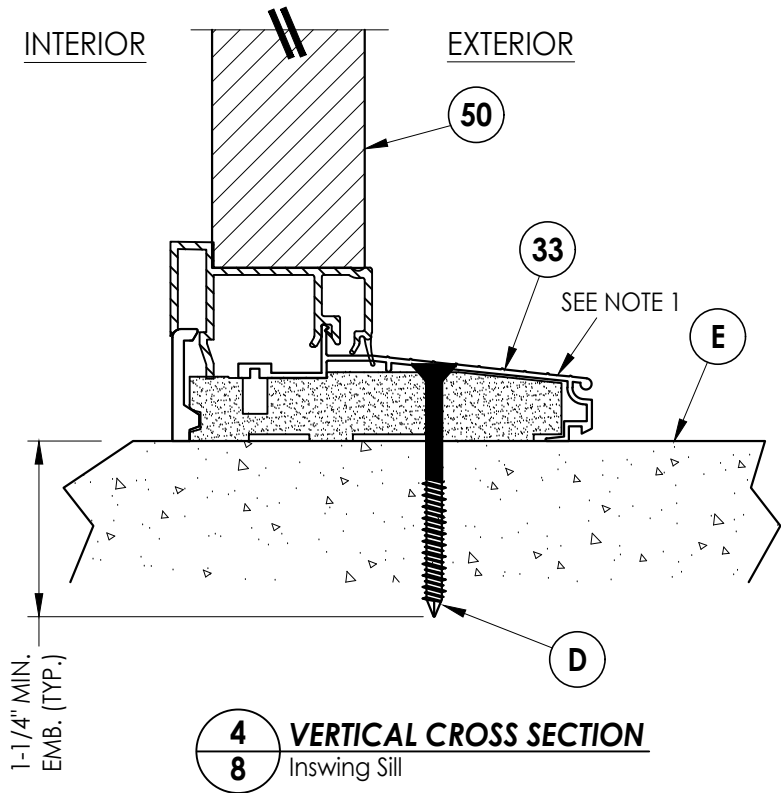
1
8 **VERTICAL CROSS SECTION**
Inswing Sill



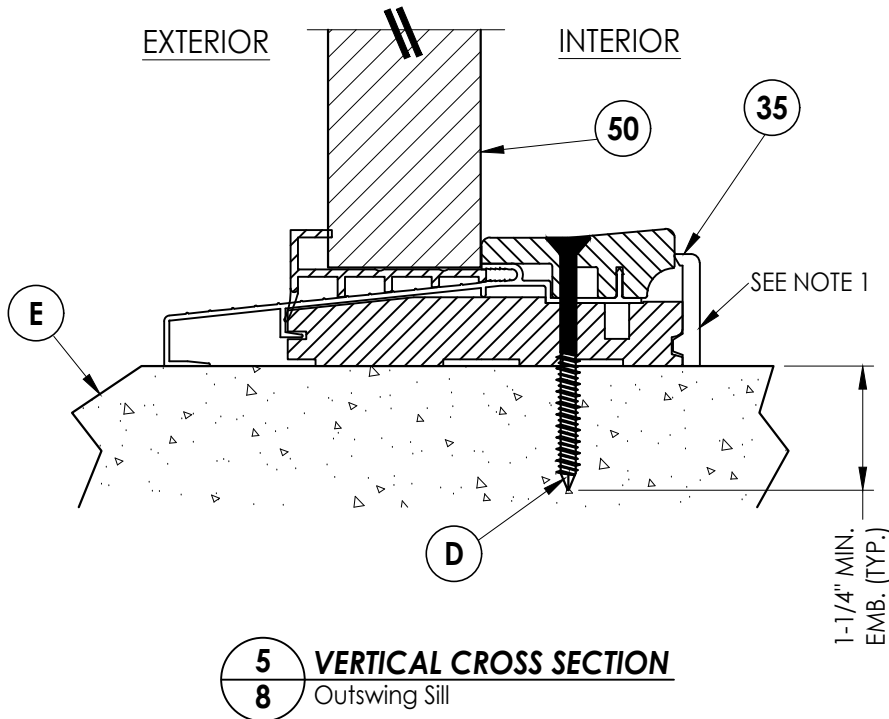
2
8 **VERTICAL CROSS SECTION**
Outswing Sill



3
8 **VERTICAL CROSS SECTION**
Outswing Sill



4
8 **VERTICAL CROSS SECTION**
Inswing Sill



5
8 **VERTICAL CROSS SECTION**
Outswing 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 License No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

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

DATE: 10/01/19

SCALE: N.T.S.

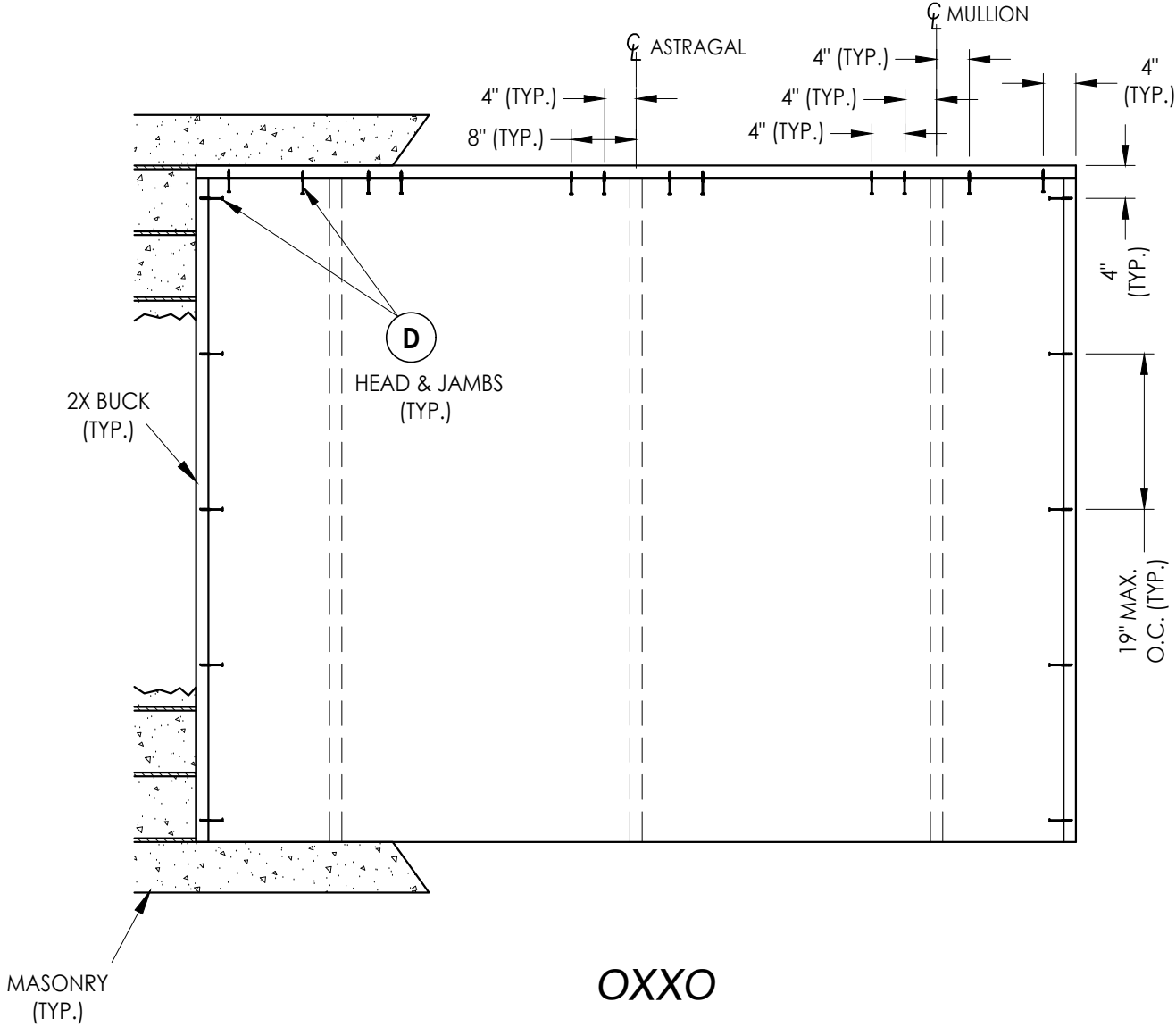
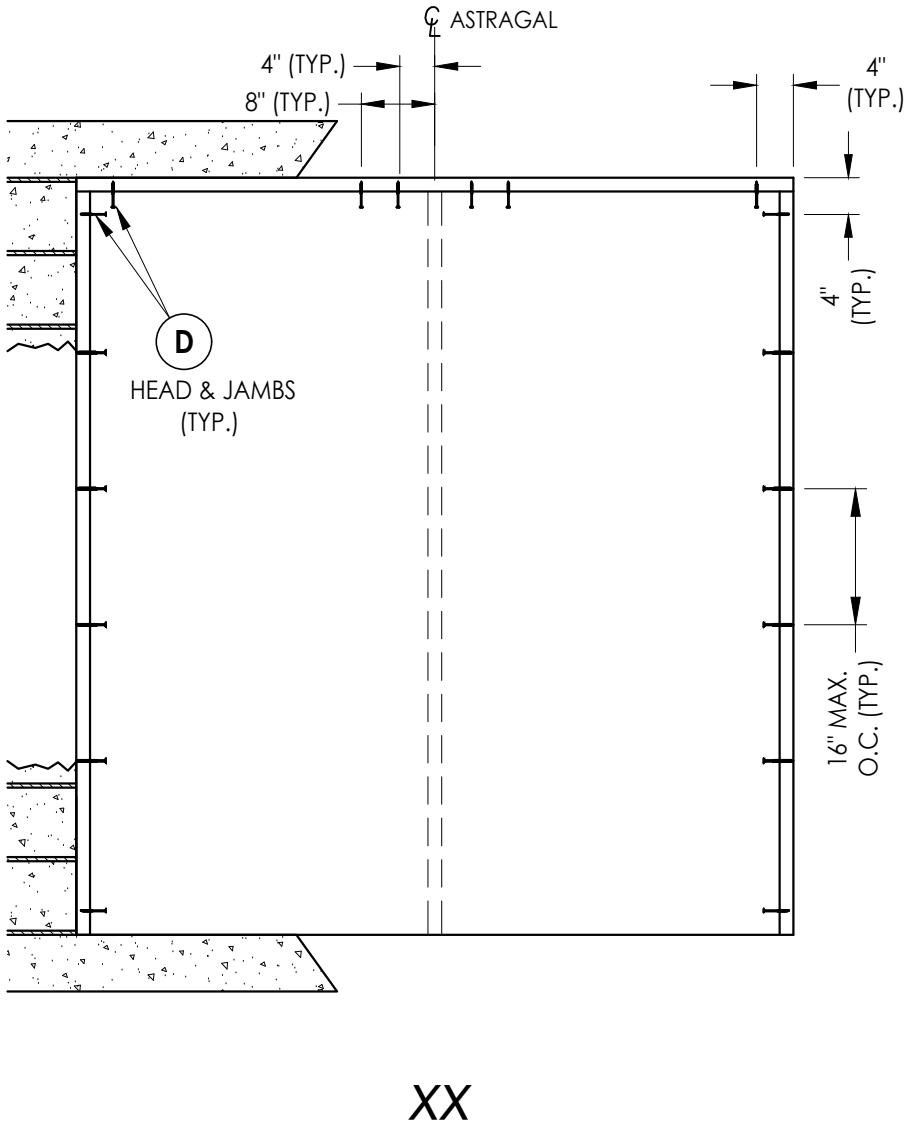
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-30482.3

SHEET 8 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R5\FL-30482.1-3.dwg



2X BUCK ANCHORING

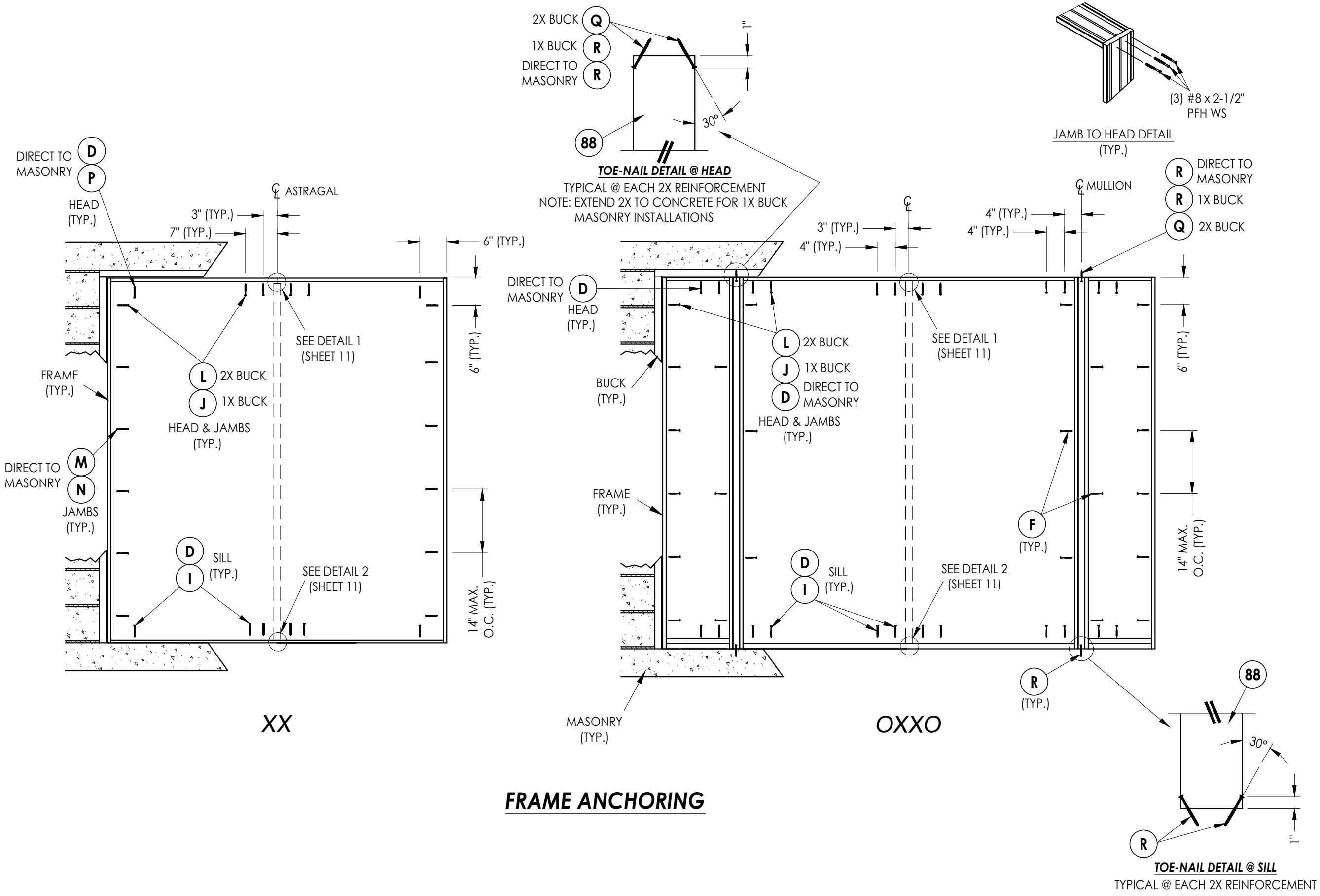
DATE		NO		DATE		BY	
10/01/19		4		6/16/25		REVISE DIRECT TO MASONRY INST.	
SCALE: N.T.S.		3		7/27/23		UPDATE TO 8TH ED. (2023) FBC	
DWG. BY: RW		2		7/23/20		UPDATE TO 7TH ED (2020) FBC	
CHK. BY: LFS		1		5/20/20		ADD DOOR CUT DOWN OPTION	
DRAWING NO.: FL-30482.3							
SHEET 9 OF 13							

PRODUCT:		PART OR ASSEMBLY:	
THERMA-TRU FIBERGLASS DOOR		BUCK ANCHORING	

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

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

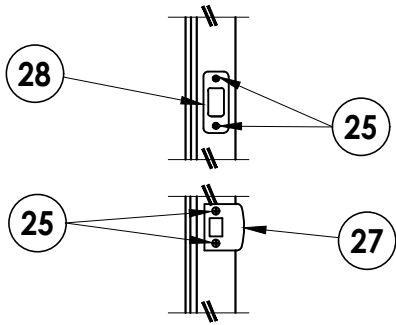
Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R5\FL-30482.1-3.dwg



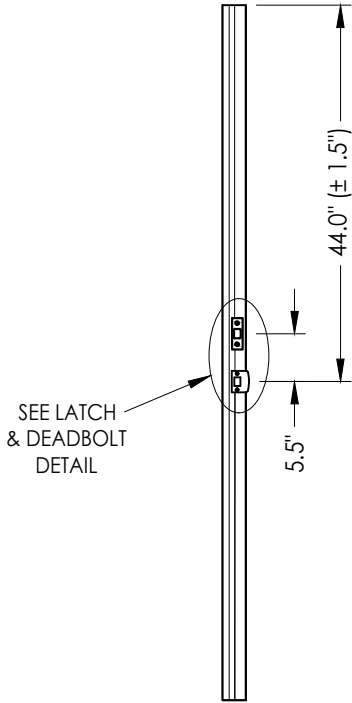
FRAME ANCHORING

Documents Prepared By:		THERMA-TRU FIBERGLASS DOOR		BUILDING CONSULTANTS, INC.	
Lyndon F. Schmidt				P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409				Phone No.: 813.659.9197	
				FBPE Registry License No. 9813	
PRODUCT:		PART OR ASSEMBLY:			
		FRAME ANCHORING			

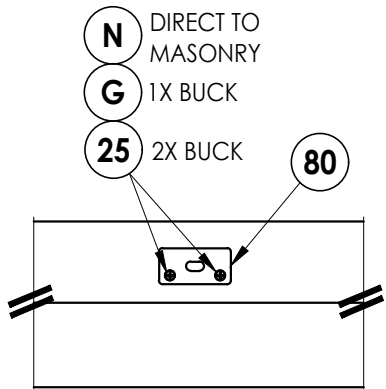
Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R5\FL-30482.1-3.dwg



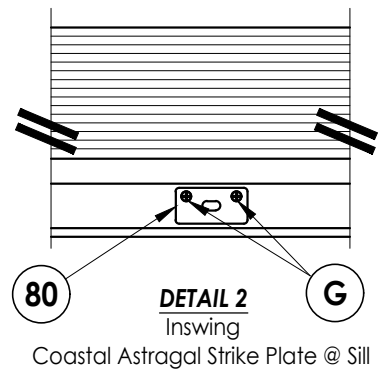
LATCH & DEADBOLT DETAIL
Schlage / Kwikset



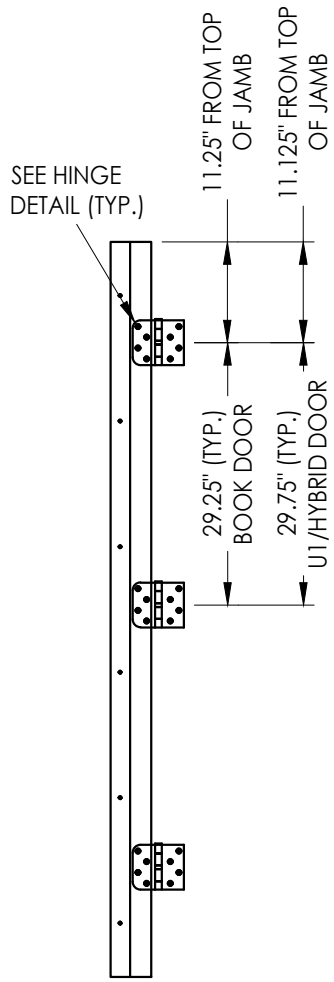
ASTRAGAL
Latch and Deadbolt



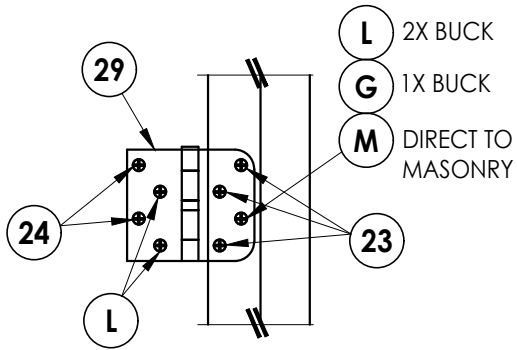
DETAIL 1
Coastal Astragal Strike Plate @ Head



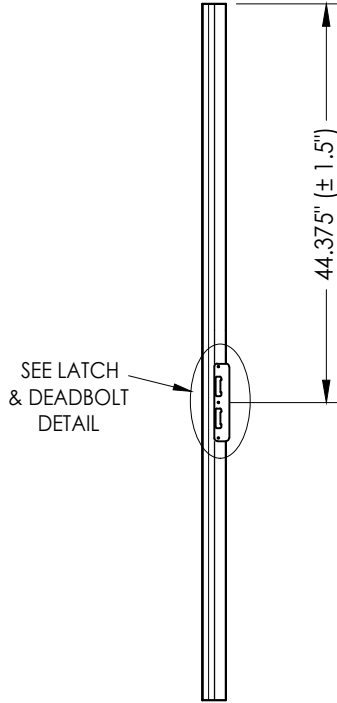
LATCH & DEADBOLT STRIKE DETAILS



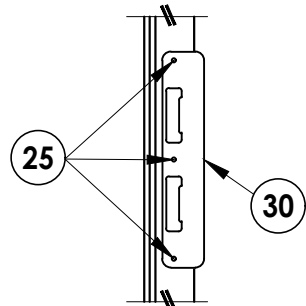
HINGE JAMB



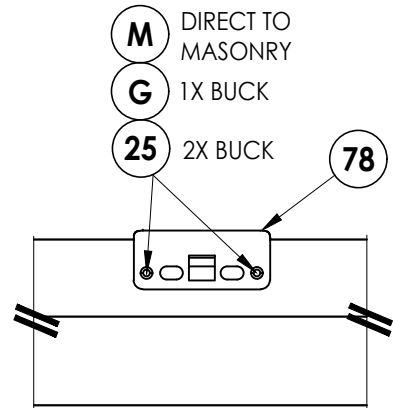
HINGE DETAIL



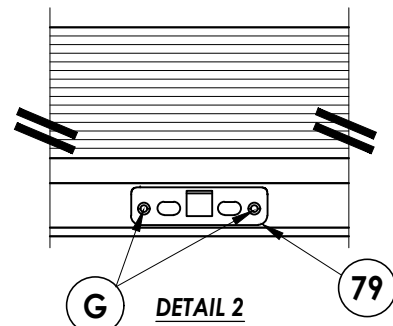
ASTRAGAL
Multipoint Lock



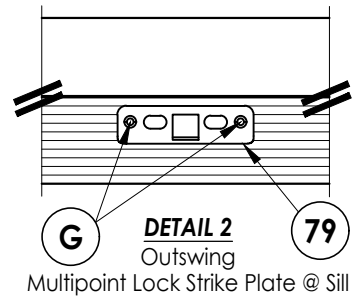
LATCH & DEADBOLT DETAIL
Multipoint Lock



DETAIL 1
Multipoint Lock Strike Plate @ Head



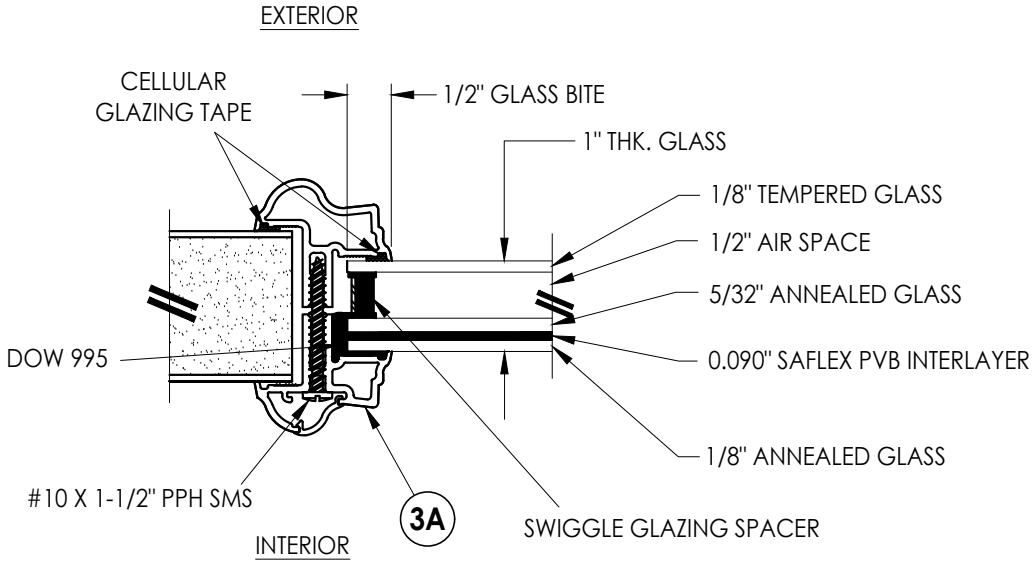
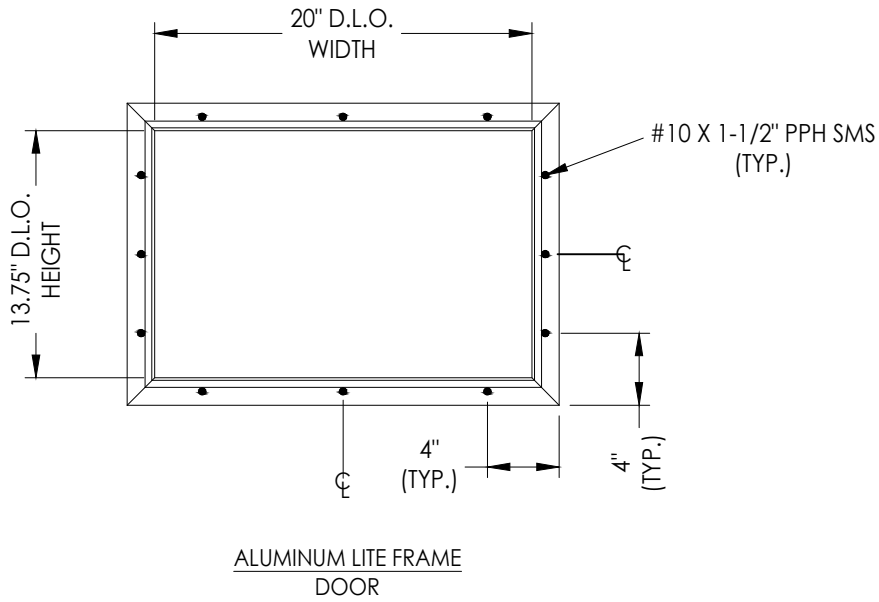
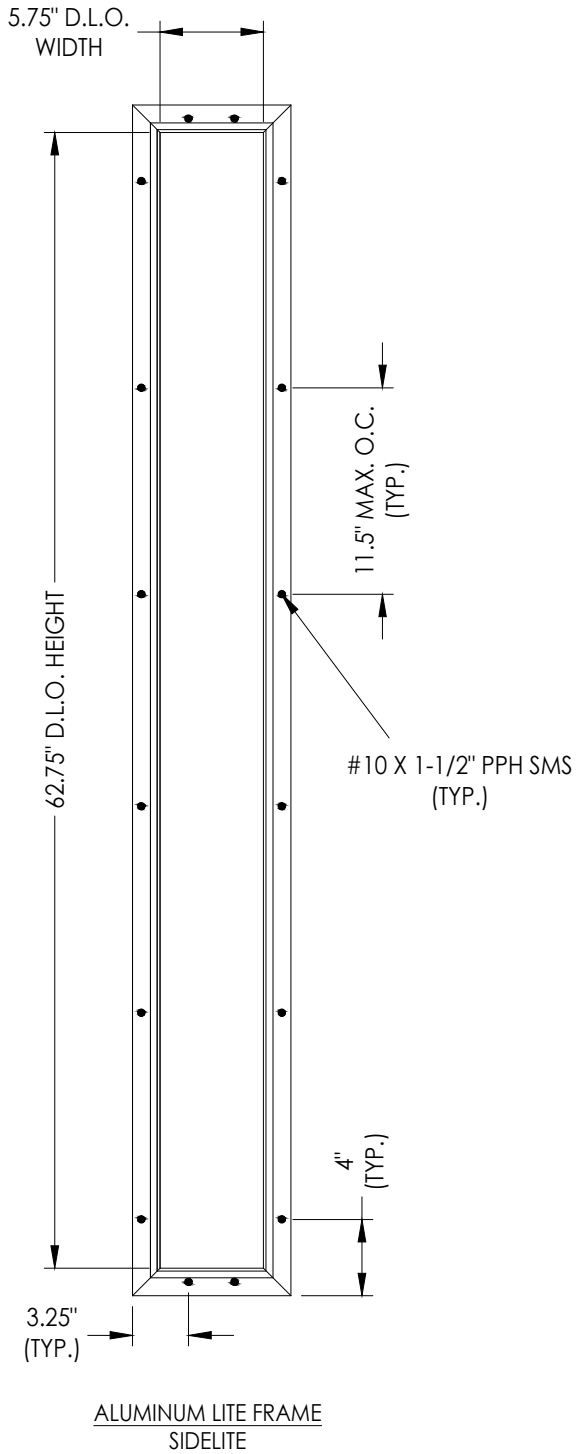
DETAIL 2
Inswing
Multipoint Lock Strike Plate @ Sill



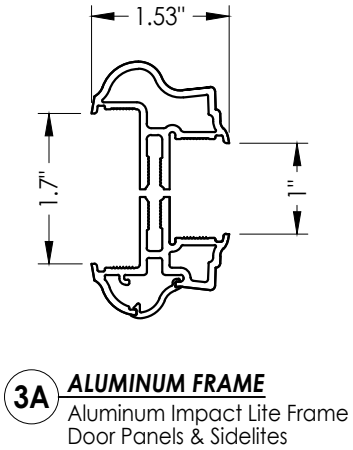
DETAIL 2
Outswing
Multipoint Lock Strike Plate @ Sill

MULTIPOINT LOCK STRIKE DETAILS

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		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:		HARDWARE DETAILS	
		LFS	BY
4	6/16/25	REVISE DIRECT TO MASONRY INST.	REVISIONS
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	
NO.	DATE		
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



DATE: 10/01/19

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-30482.3

SHEET 12 OF 13

REVISIONS	
NO.	DATE
4	6/16/25
3	7/27/23
2	7/23/20
1	5/20/20

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

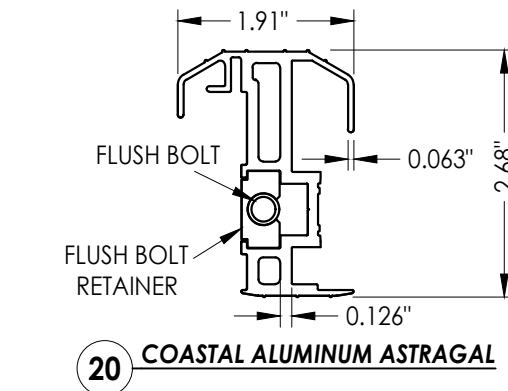
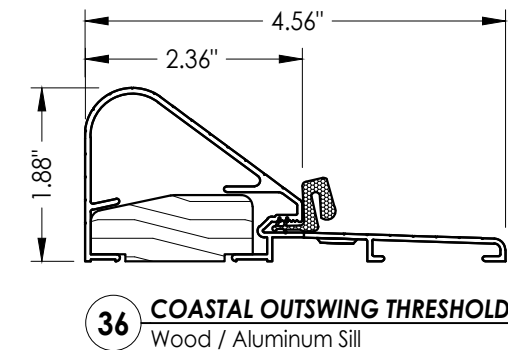
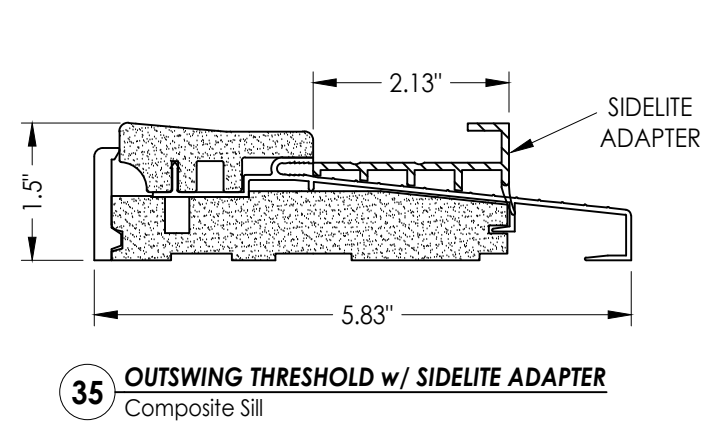
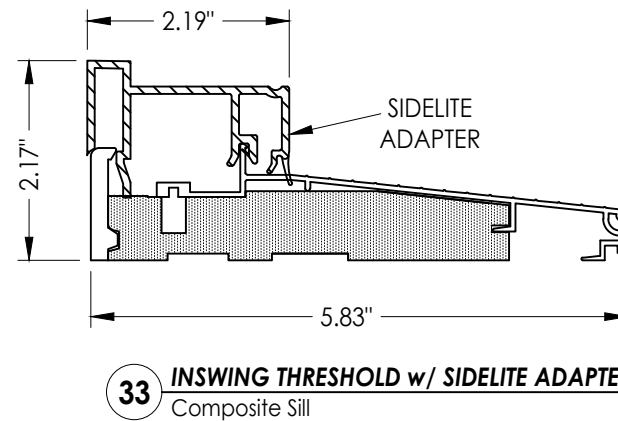
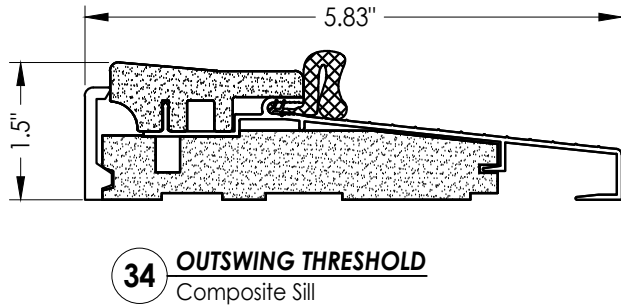
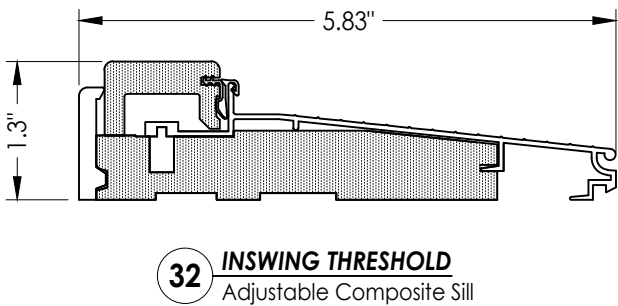
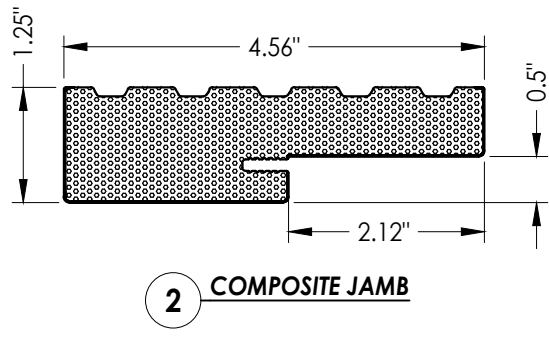
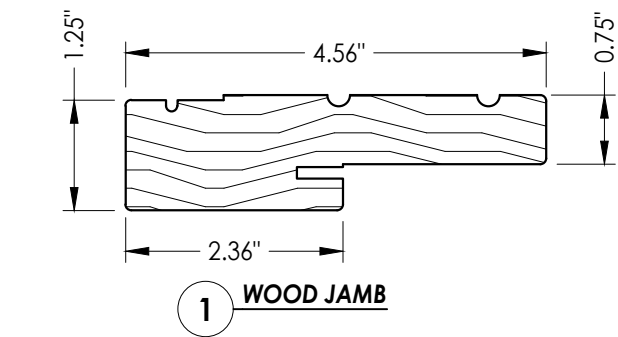
PART OR ASSEMBLY:
GLAZING DETAILS

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

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

Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R5\FL-30482.1-3.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 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



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