

Z:\2023 FBC Drawings\Therma-Tru\FL-28897 R2\FL-28897.4-6.dwg

THERMA-TRU[®]
DOORS

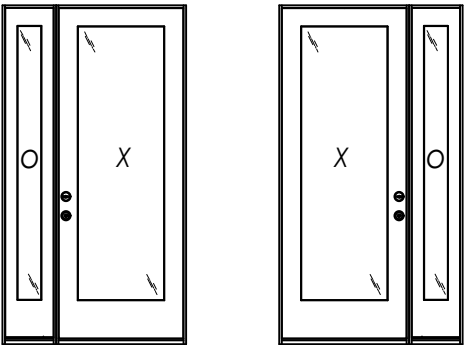
Classic-Craft[®]

"SHAKER"
GLAZED FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
INSWING/OUTSWING
"NON-IMPACT"

GENERAL NOTES

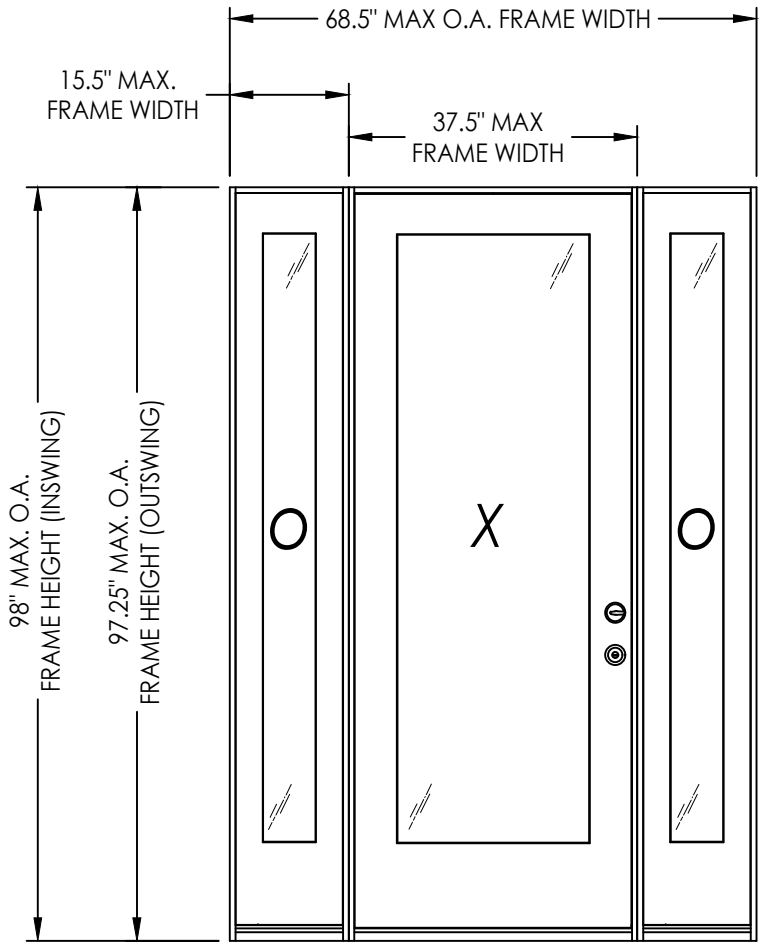
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Sidelite Panel Details
4	Elevations
5	Horizontal Cross Sections (2X Buck)
6	Vertical Cross Sections (2X Buck)
7	Horizontal & Vertical Cross Sections (1X Buck)
8	Vertical Cross Sections (Thresholds)
9	Buck Anchoring
10	Frame Anchoring
11	Hardware Details
12	Bill of Materials and components

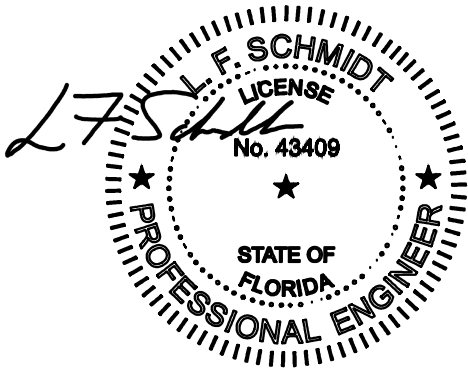


OX

XO



CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	Latch & Deadbolt	+50.0	-55.0	+50.0	-50.0
XO, OX, OXO	Multipoint	+55.0	-60.0	+55.0	-55.0



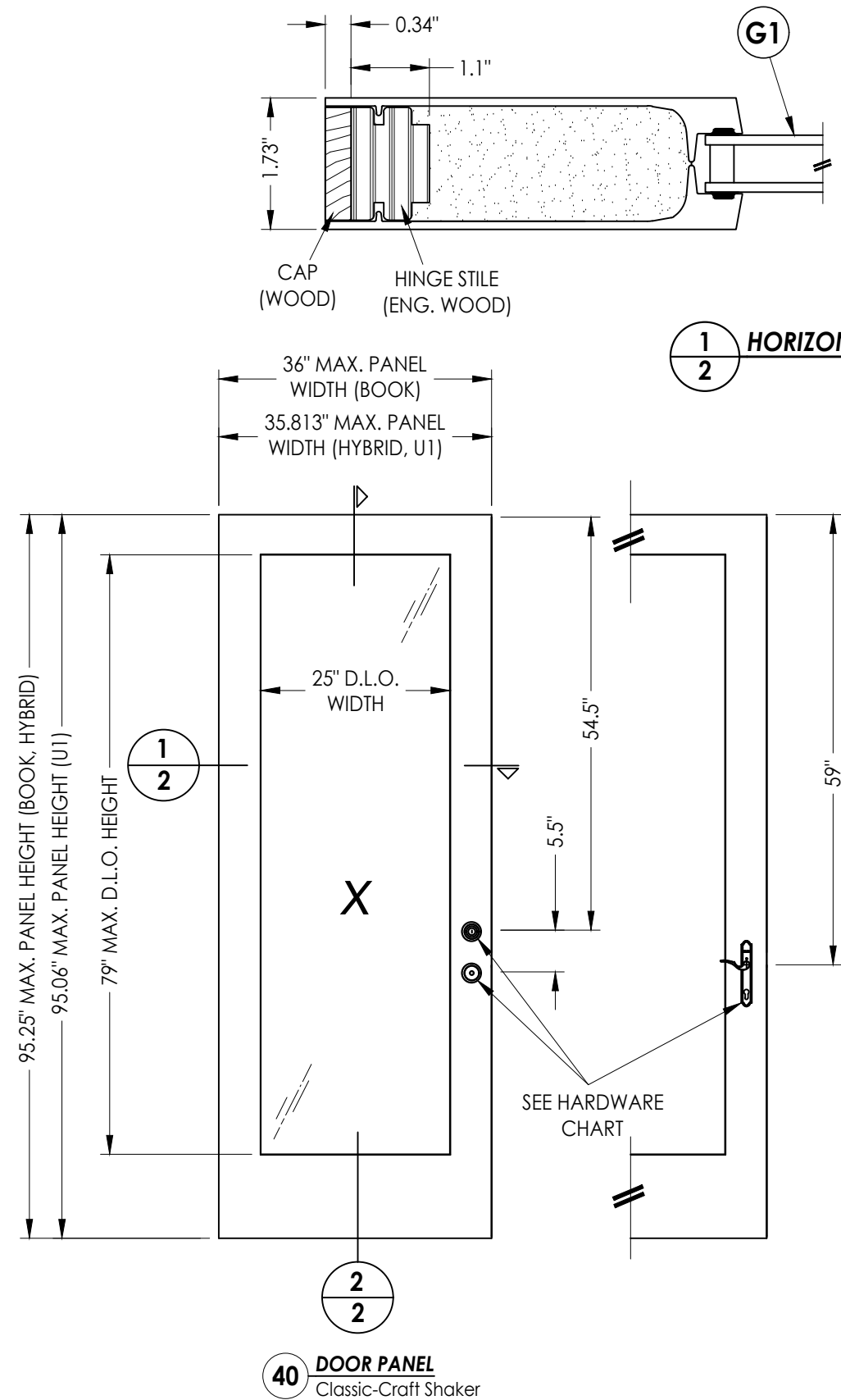
Digitally signed by Lyndon F Schmidt
Date: 2023.07.27 16:26:21 -04'00'

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.

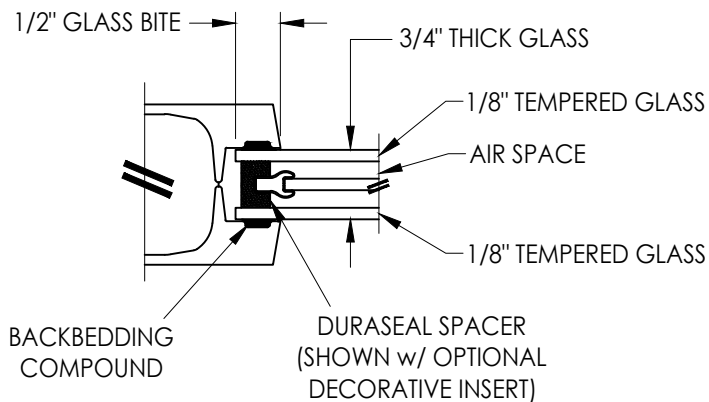
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		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: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		LFS	BY
		UPDATE TO 8TH ED. (2023) FBC	
		UPDATE TO 7th ED (2020) FBC	
		NO. DATE	
		2	7/27/23
		1	7/15/20
DATE: 2/04/19		SCALE: N.T.S.	
DWG. BY: MT		CHK. BY: LFS	
DRAWING NO.: FL-28897.5		SHEET 1 OF 12	

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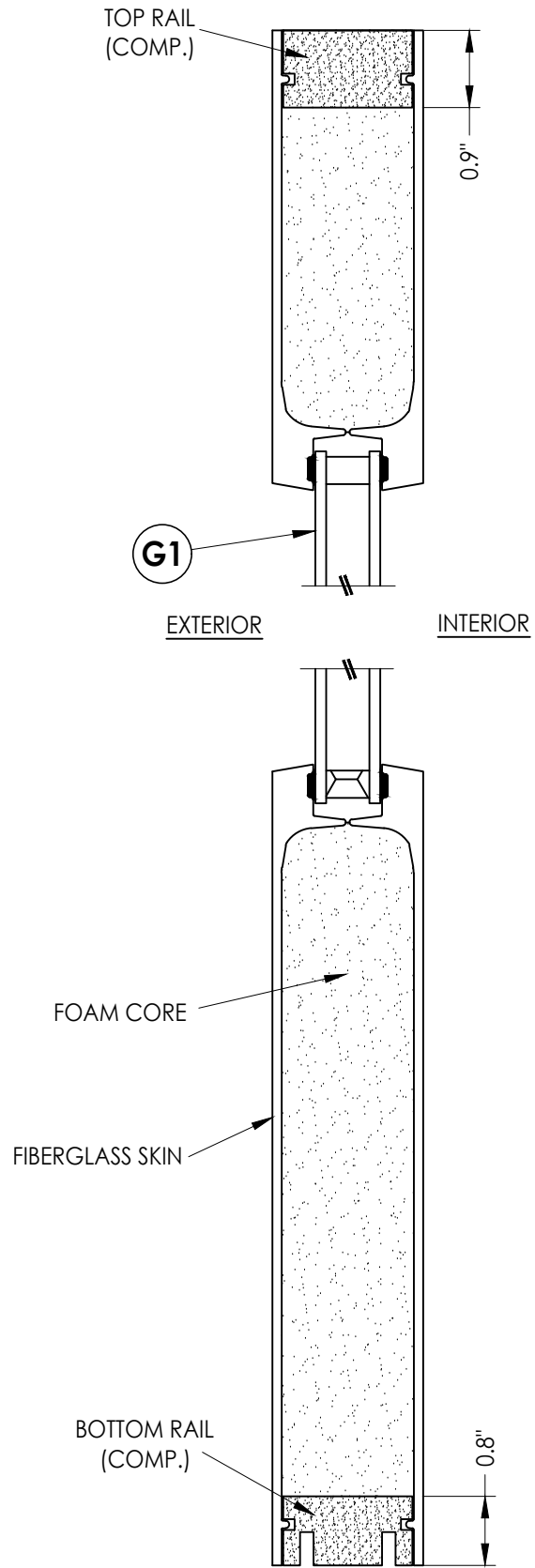


FIBERGLASS SKIN: 0.140" MIN. THICKNESS
FOAM CORE: POLYURETHANE (1.9 PCF)



G1 **GLAZING DETAIL**
Flush Glazing

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)
SCHLAGE	Knob:	F SERIES (F10)
	Deadbolt:	B SERIES (B60)
HOPPE (Therma-Tru)	MULTIPOINT LOCK: MPDGART (3 pt. Manual Tongue)	



2 **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:
DOOR PANEL DETAILS

REVISIONS		DATE	BY	NO.
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	LFS

DATE: 2/04/19

SCALE: N.T.S.

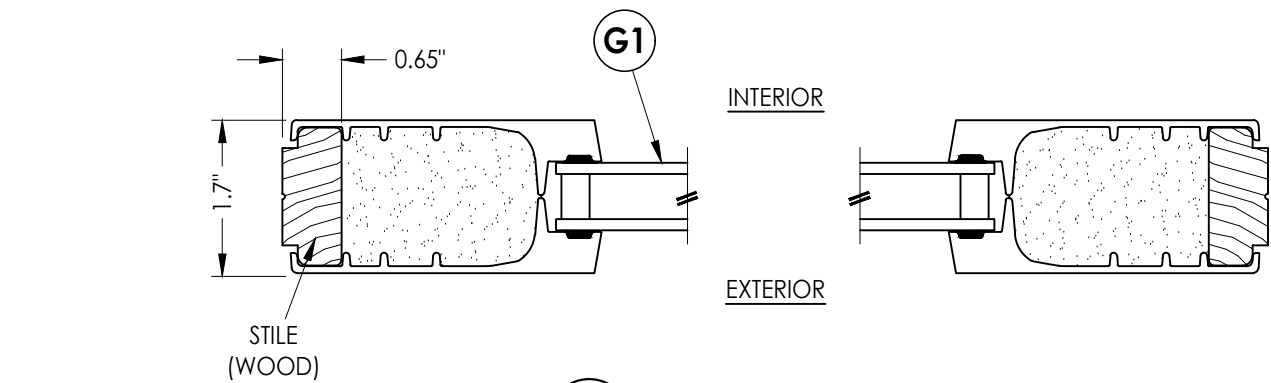
DWG. BY: MT

CHK. BY: LFS

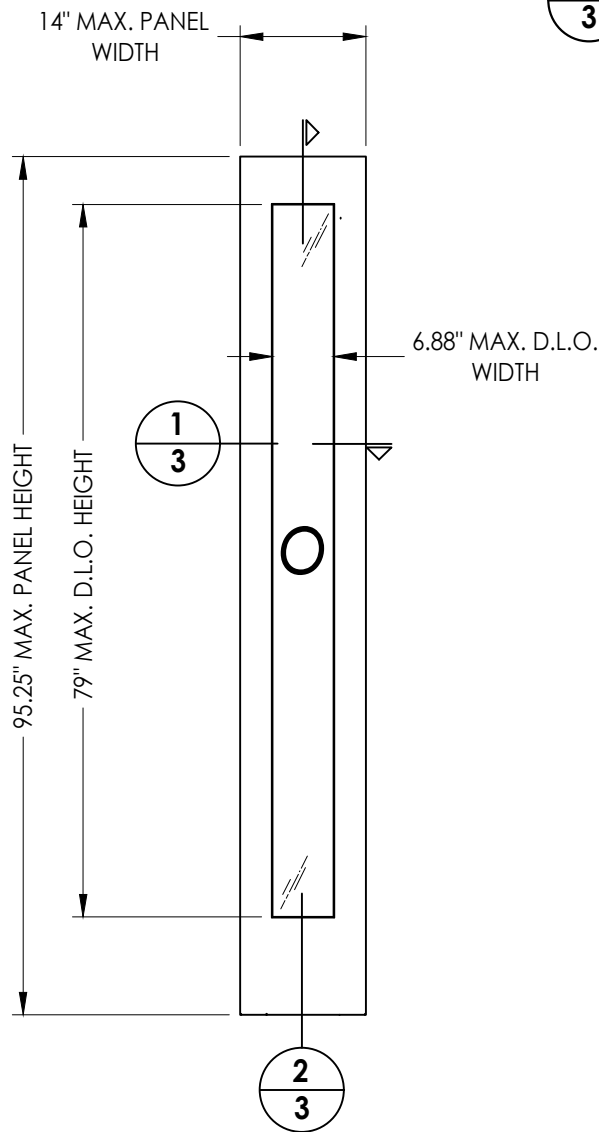
DRAWING NO.: FL-28897.5

SHEET 2 OF 12

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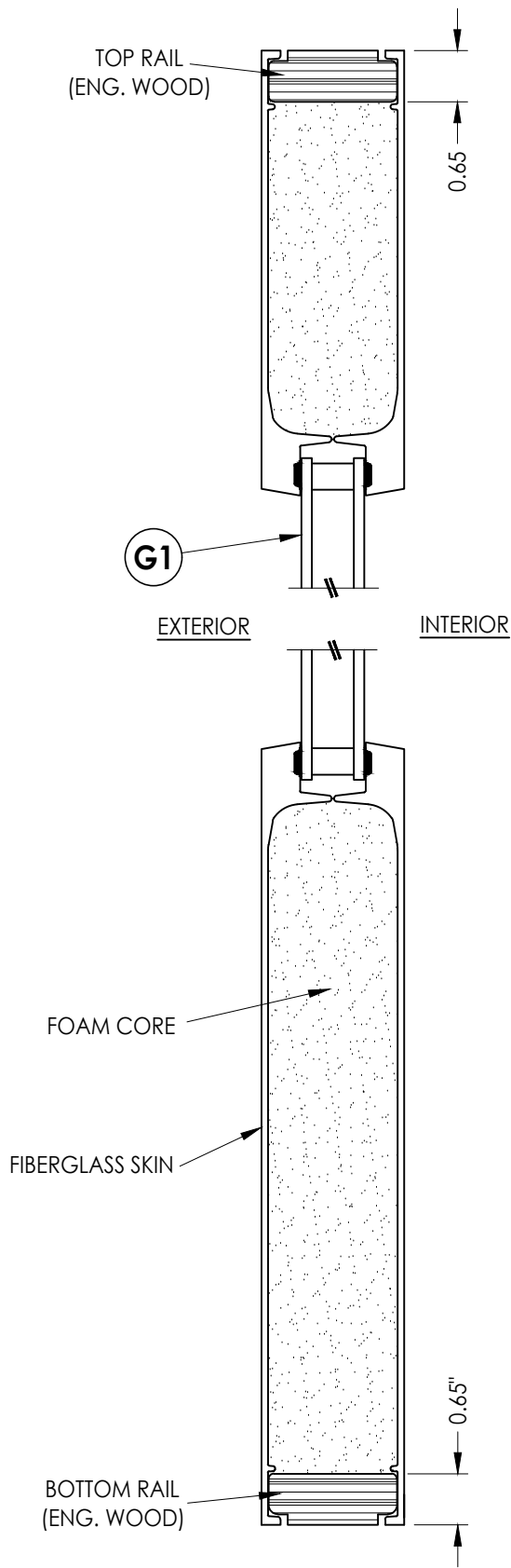


HORIZONTAL CROSS SECTION



50 SIDELITE PANEL
Classic-Craft Shaker

FIBERGLASS SKIN: 0.09" MIN. THICKNESS
FOAM CORE: POLYURETHANE (1.9 PCF)



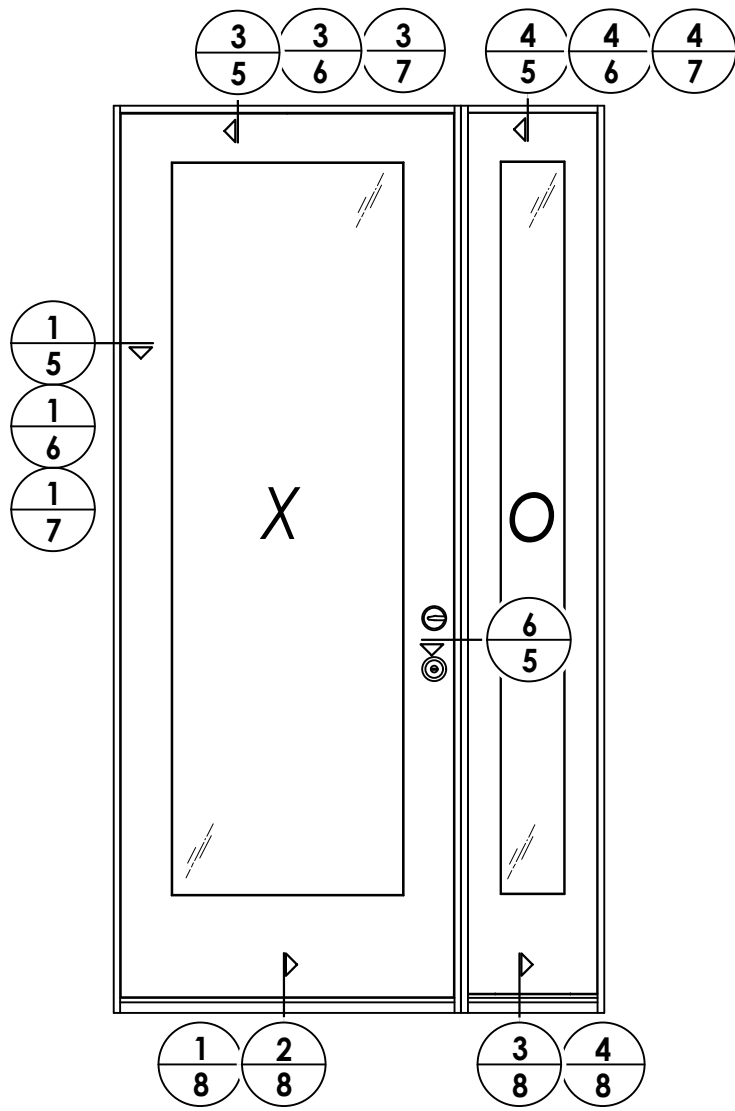
VERTICAL CROSS SECTION

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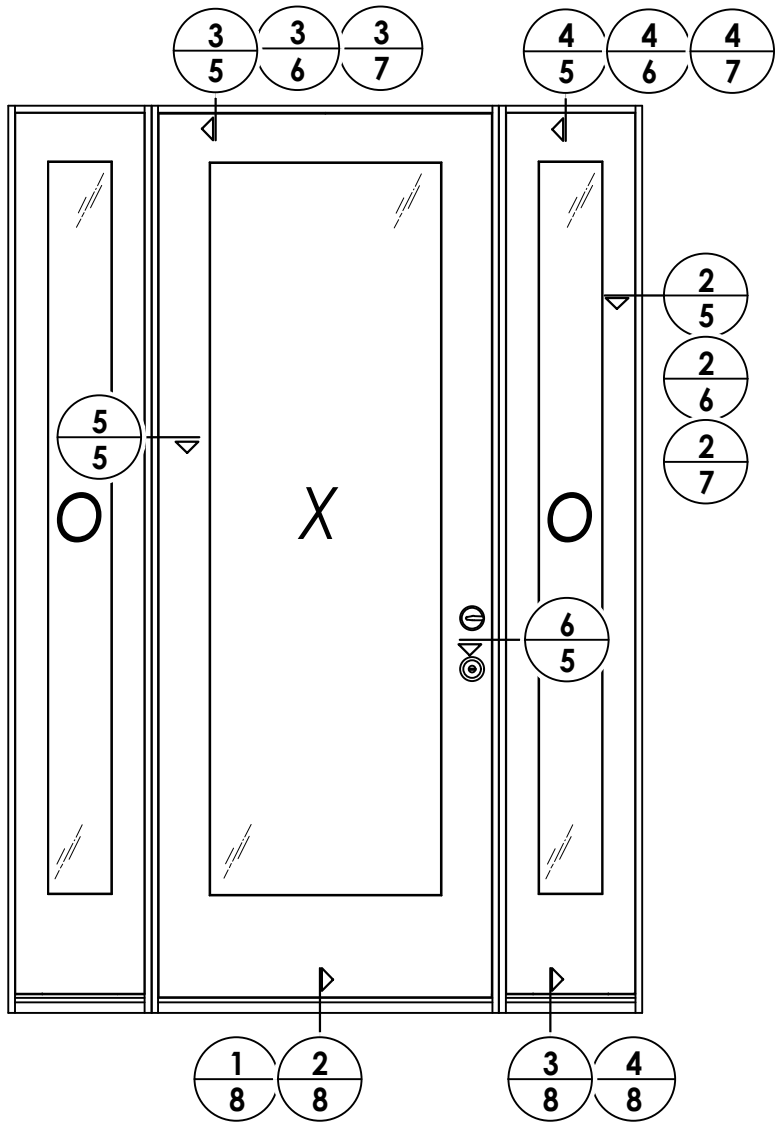
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		SIDELITE PANEL DETAILS	
NO.	DATE	REVISIONS	
		DATE	BY
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC LFS
1	7/15/20	DATE	BY
DATE: 2/04/19			
SCALE: N.T.S.			
DWG. BY: MT			
CHK. BY: LFS			
DRAWING NO.: FL-28897.5			
SHEET 3 OF 12			

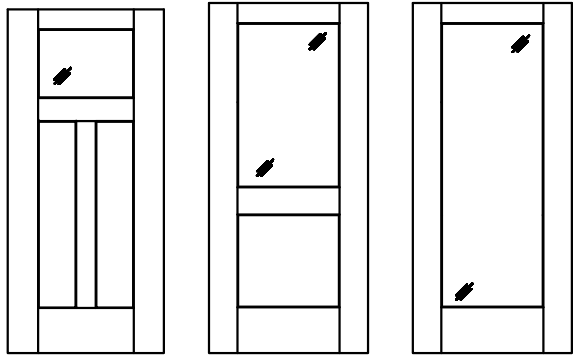
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ELEVATION
XO



ELEVATION
OXO

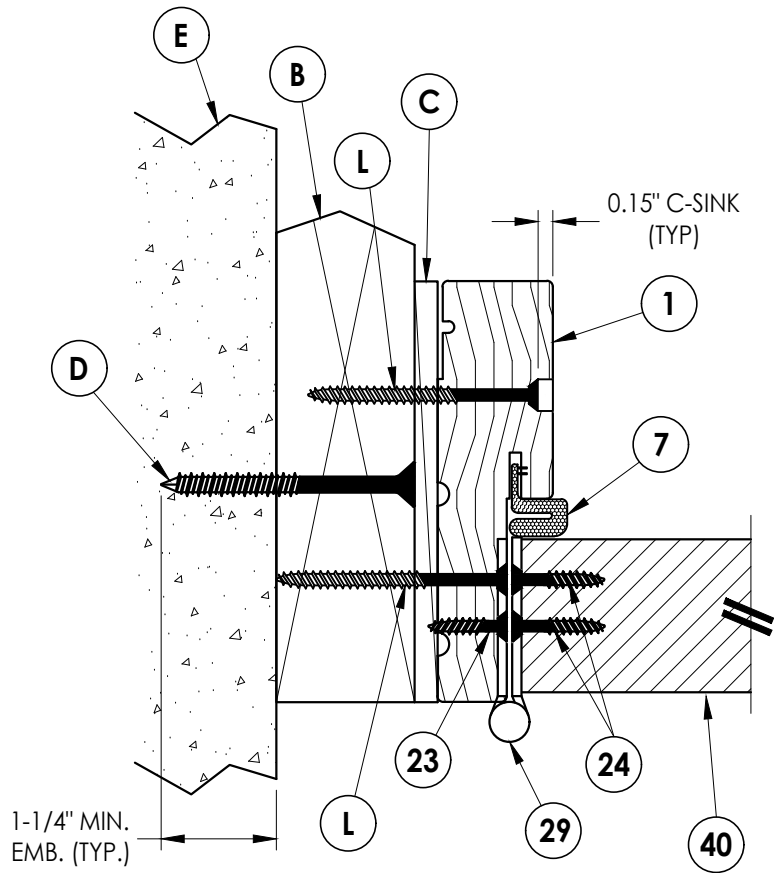


Classic-Craft Shaker Door Panel Options

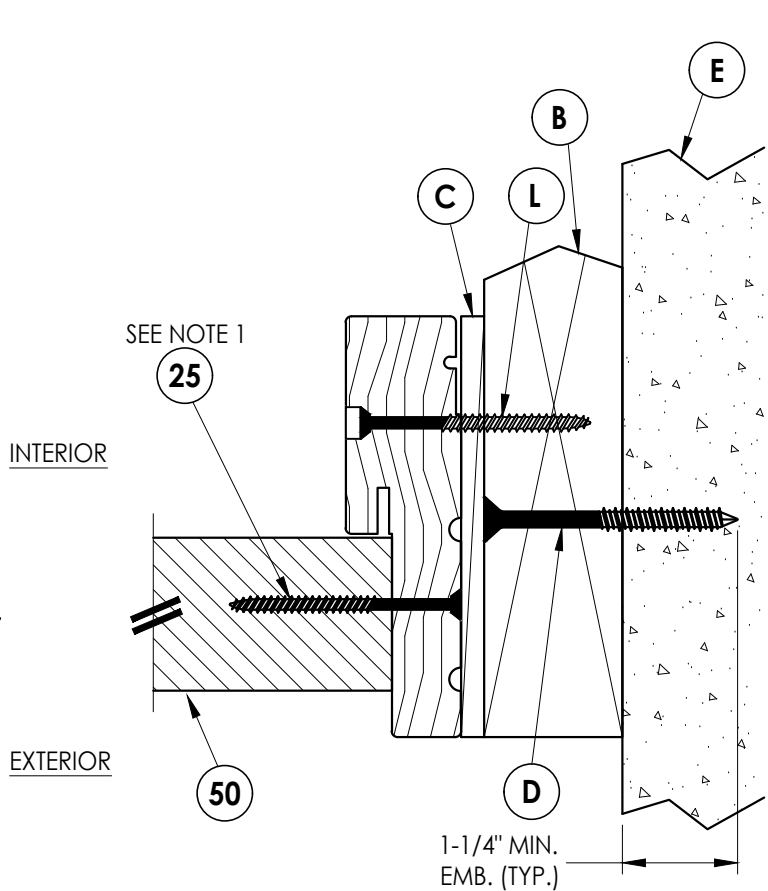
Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: ELEVATIONS			
				LFS	FBC	REVISIONS	
				UPDATE TO 8TH ED. (2023)			
				LFS	FBC	BY	
				UPDATE TO 7th ED (2020)			
				NO.	DATE		
				2	7/27/23		
				1	7/15/20		
DATE: 2/04/19				SCALE: N.T.S.			
DWG. BY: MT				CHK. BY: LFS			
DRAWING NO.: FL-28897.5				SHEET 4 OF 12			
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			

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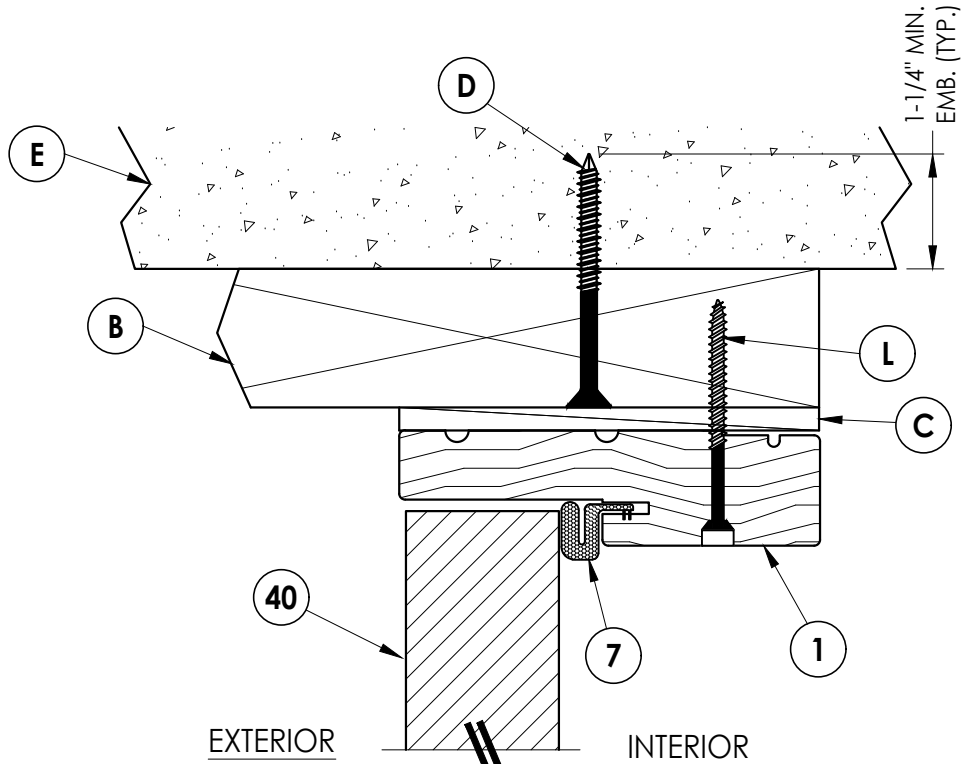
1 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



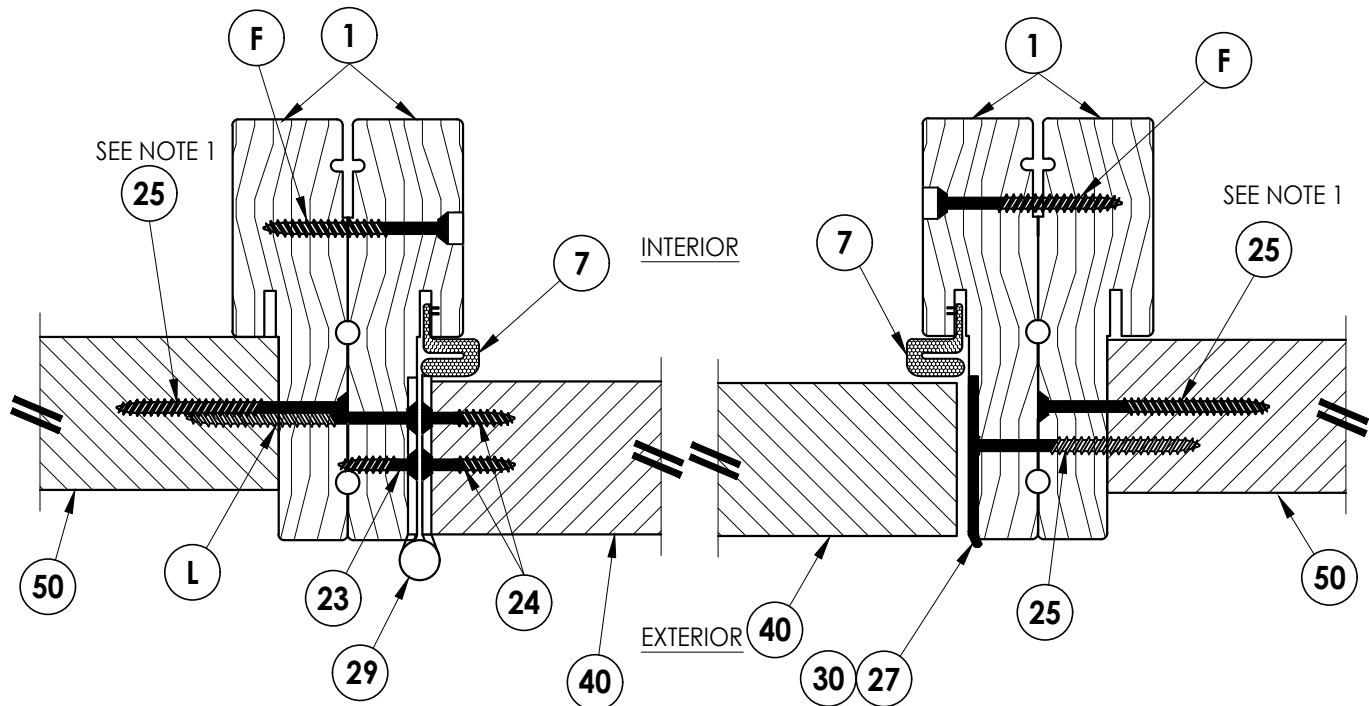
2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)

Notes:

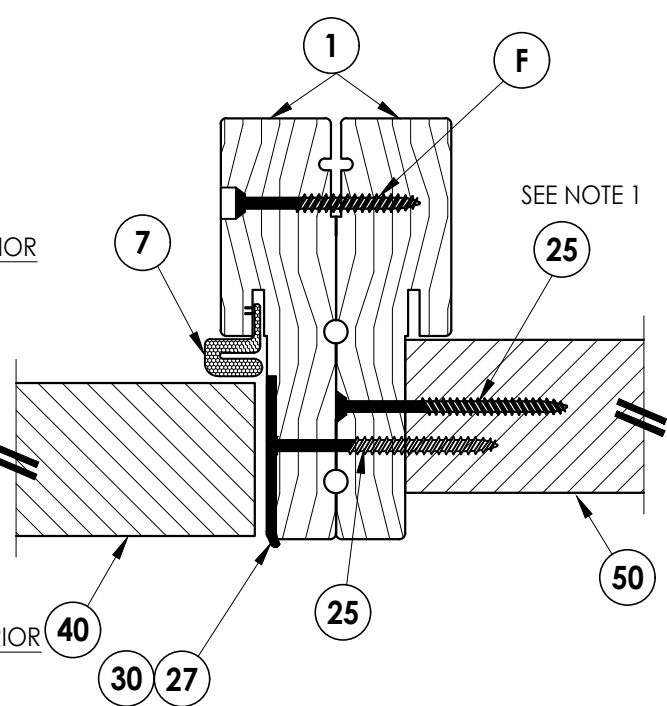
1. Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).
2. Sidelite assembly screws located 6" from each end (2 total).



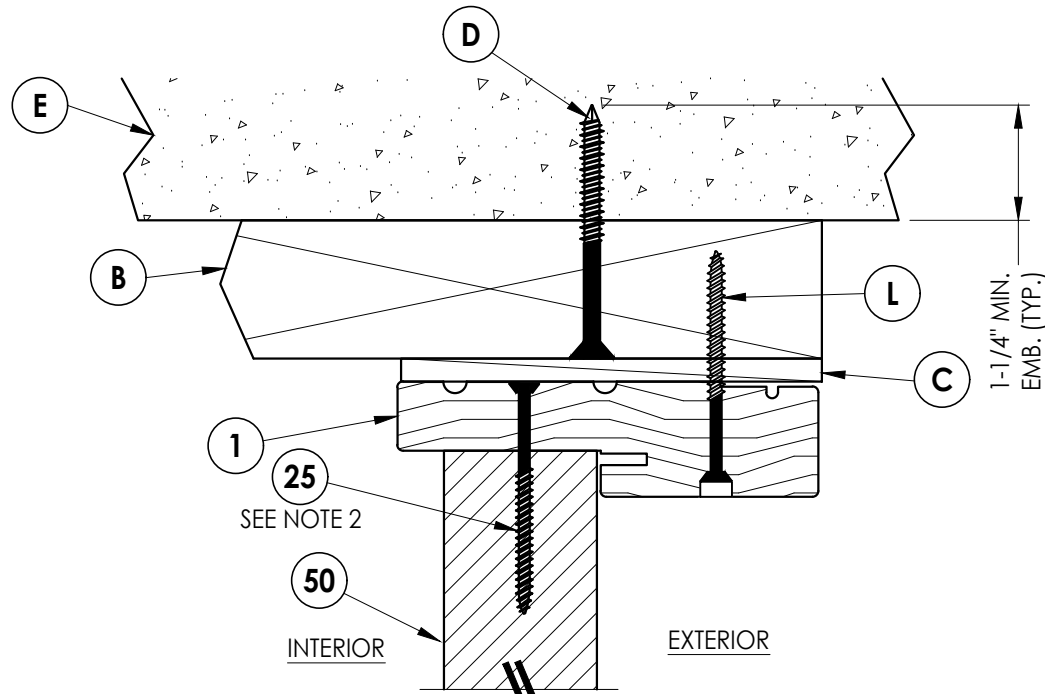
3 **VERTICAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



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



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
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC
1	7/15/20	UPDATE TO 7th ED (2020) FBC
LFS		BY

DATE: 2/04/19

SCALE: N.T.S.

DWG. BY: MT

CHK. BY: LFS

DRAWING NO.:

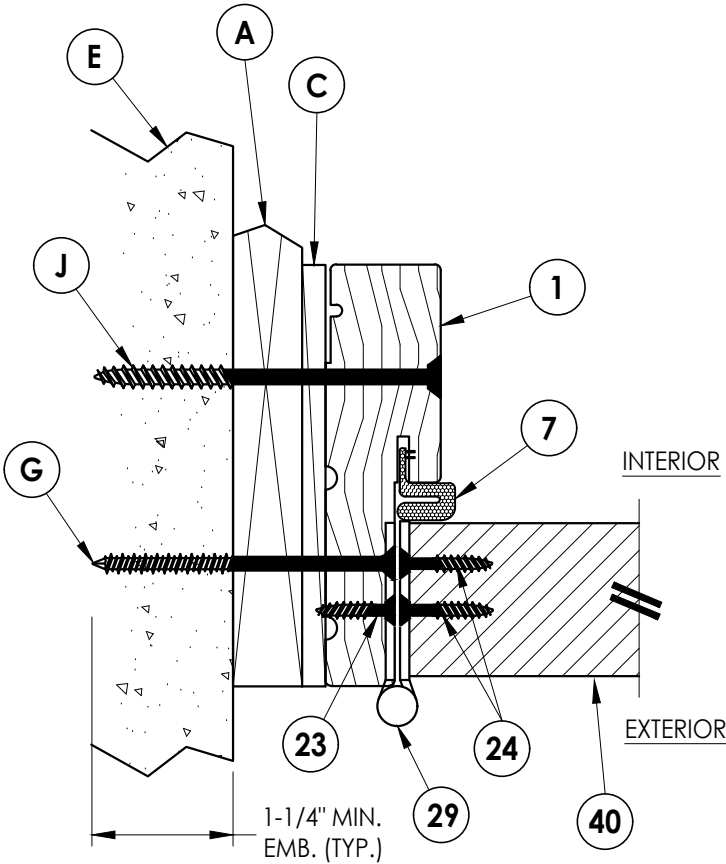
FL-28897.5

SHEET 5 OF 12

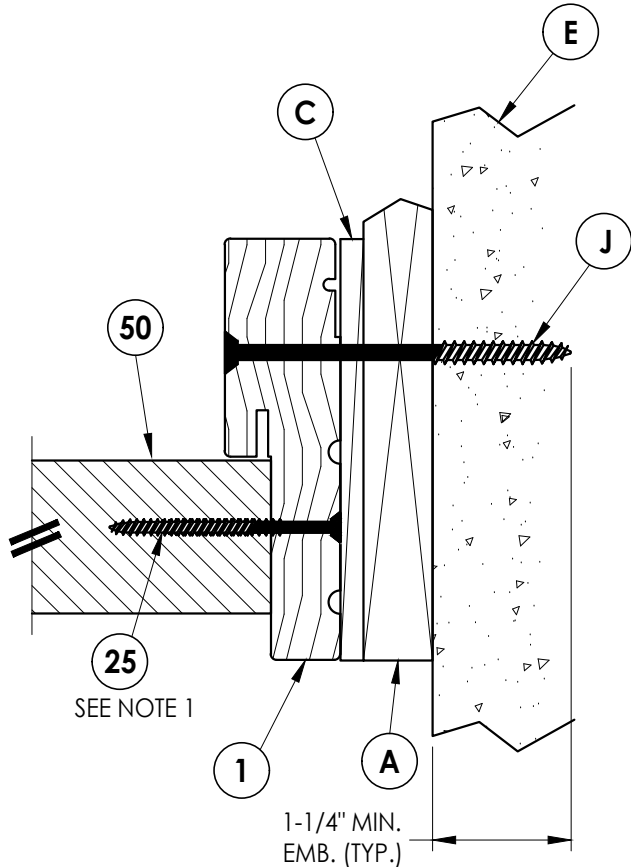
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Notes:

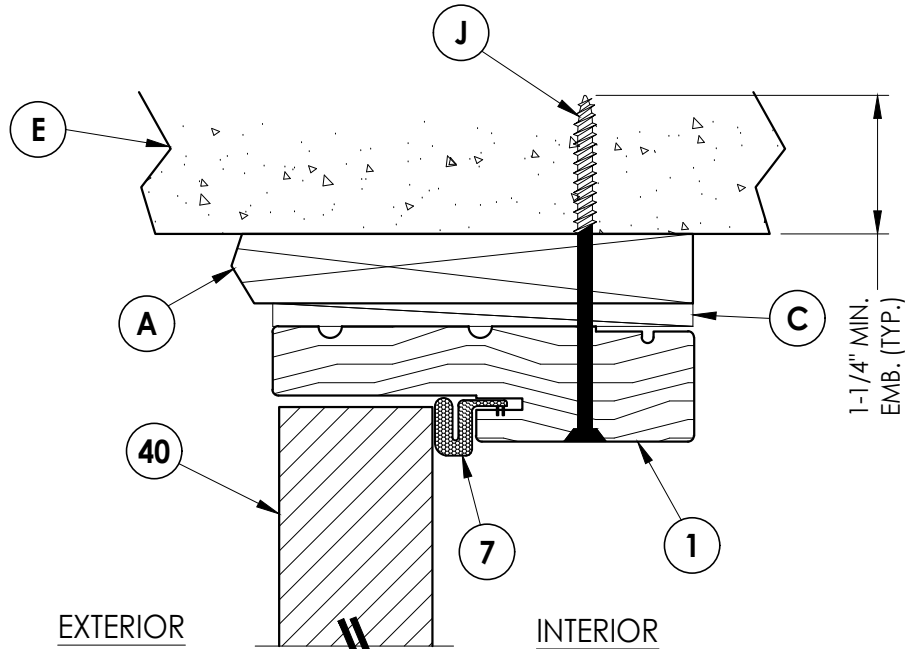
1. Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).
2. Sidelite assembly screws located 6" from each end (2 total).



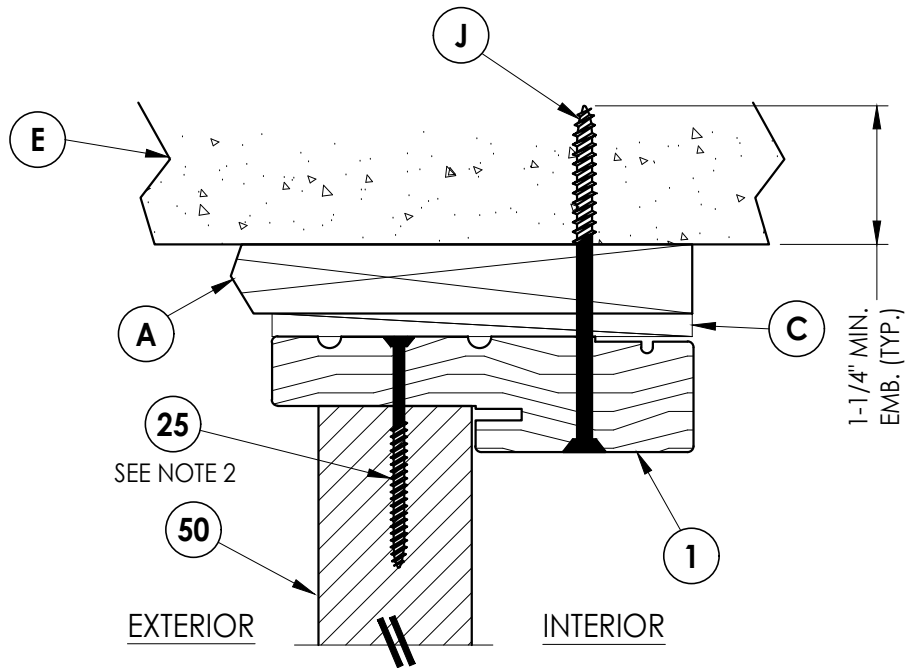
1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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

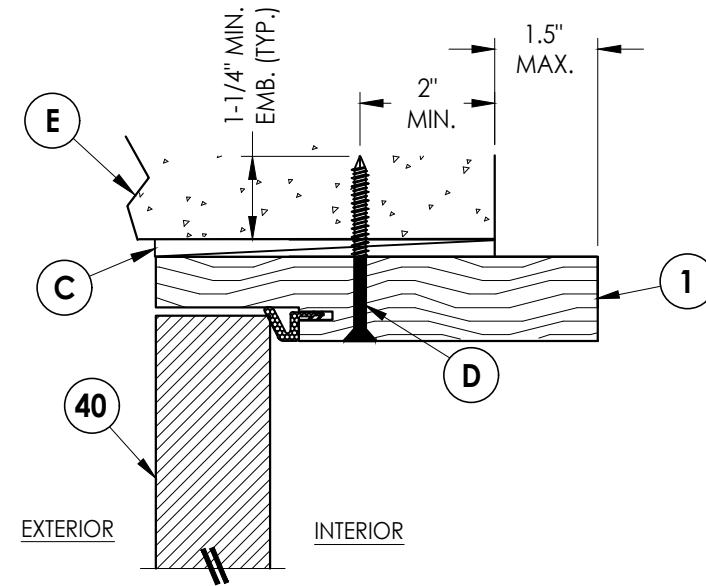


3
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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

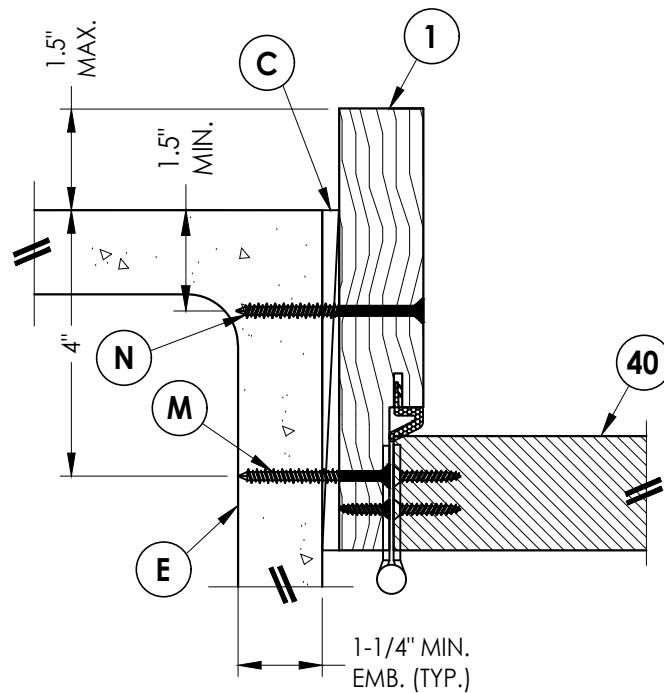
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409																			
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2 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

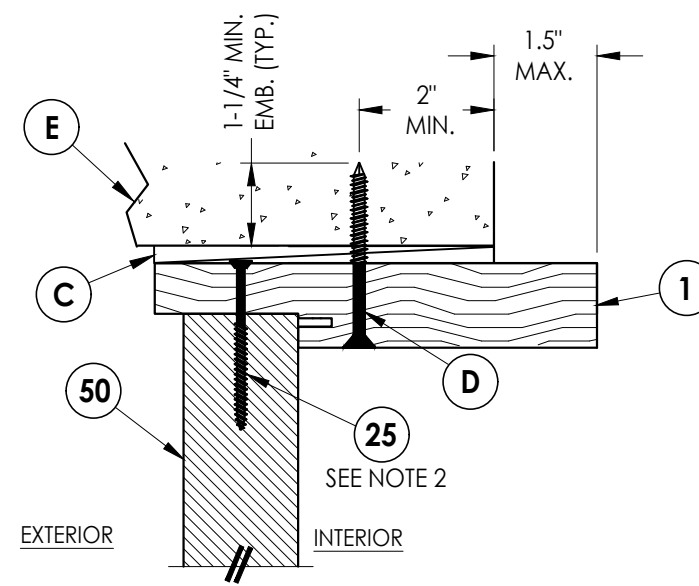
Notes:

1. Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).
2. Sidelite assembly screws located 6" from each end (2 total).

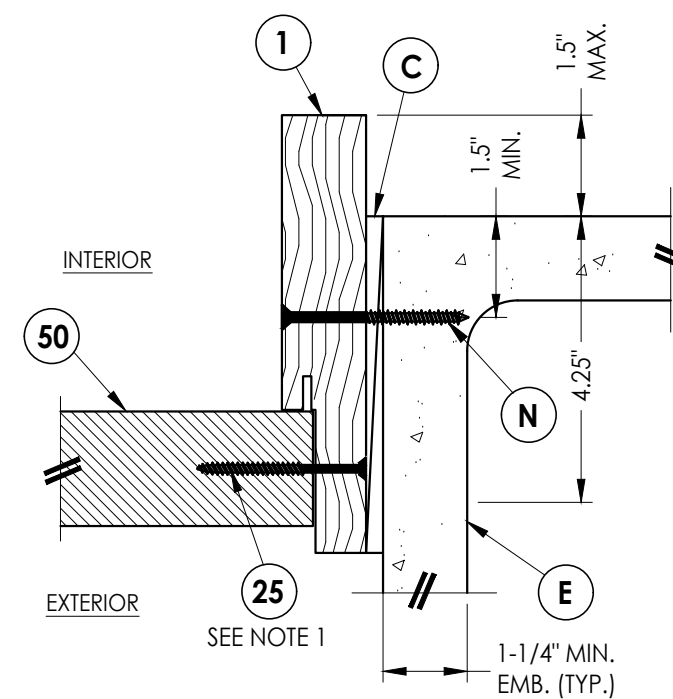


1 7 **HORIZONTAL CROSS SECTION**

Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



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

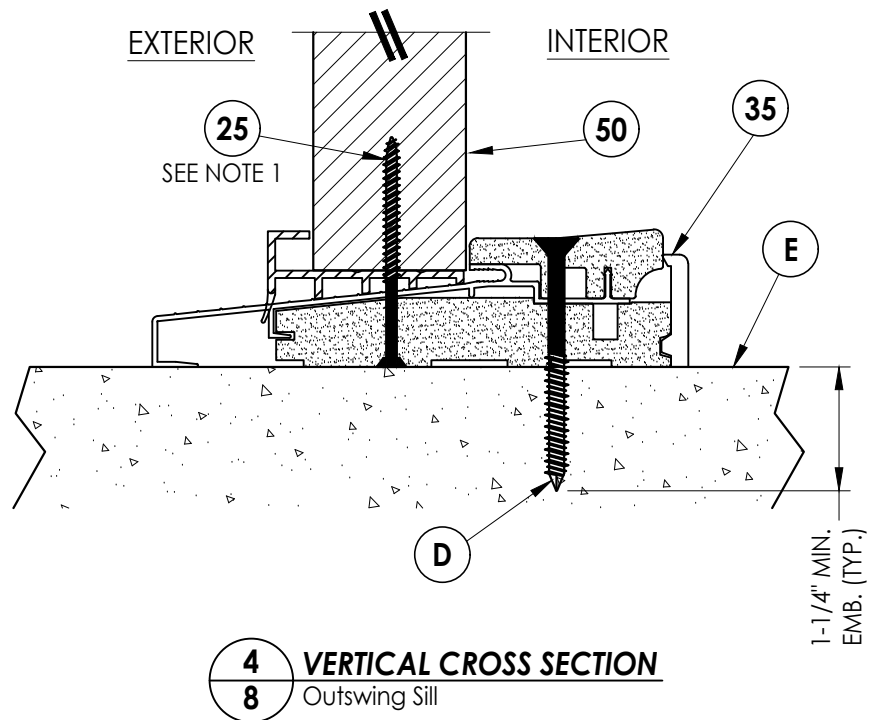
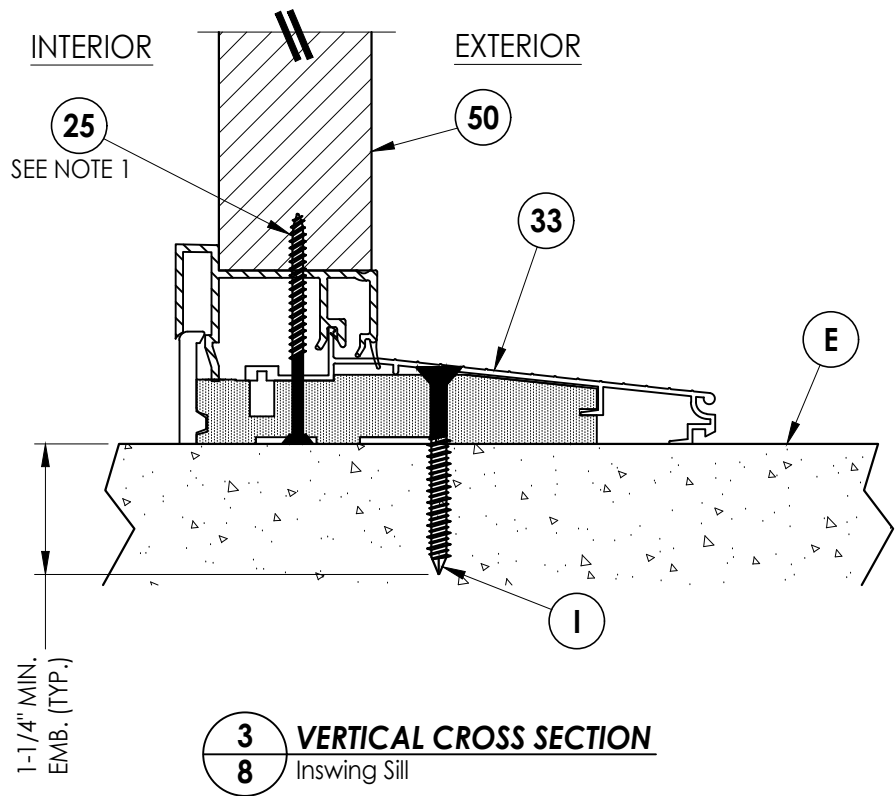
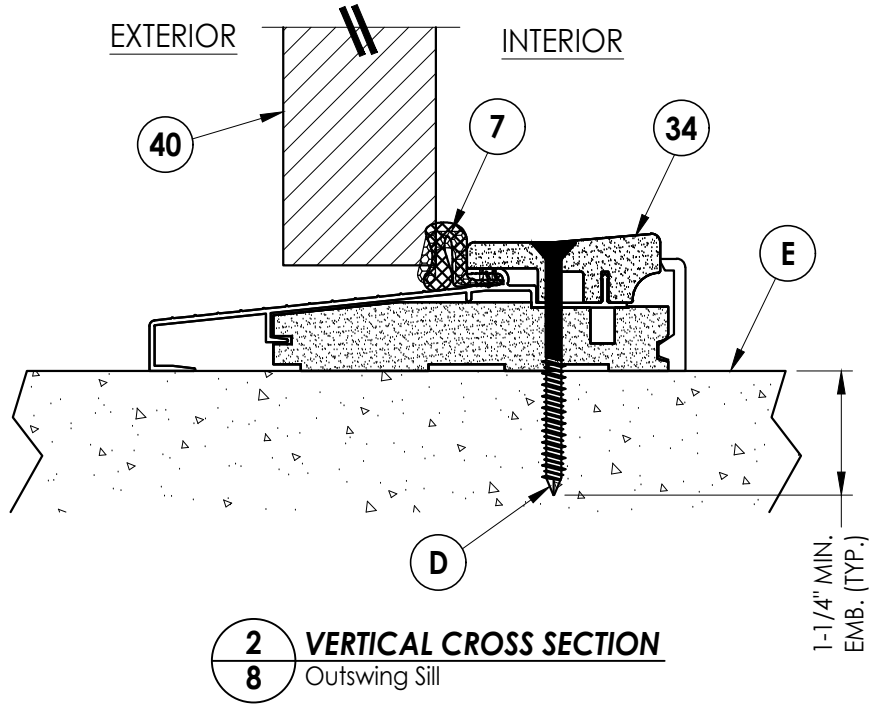
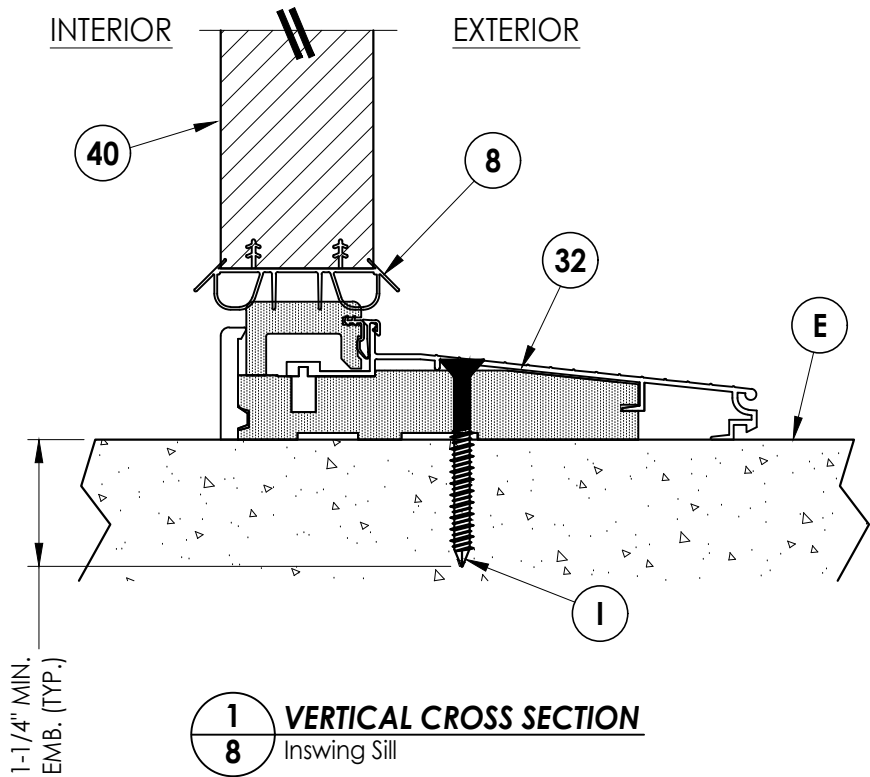


4 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

[illegible]

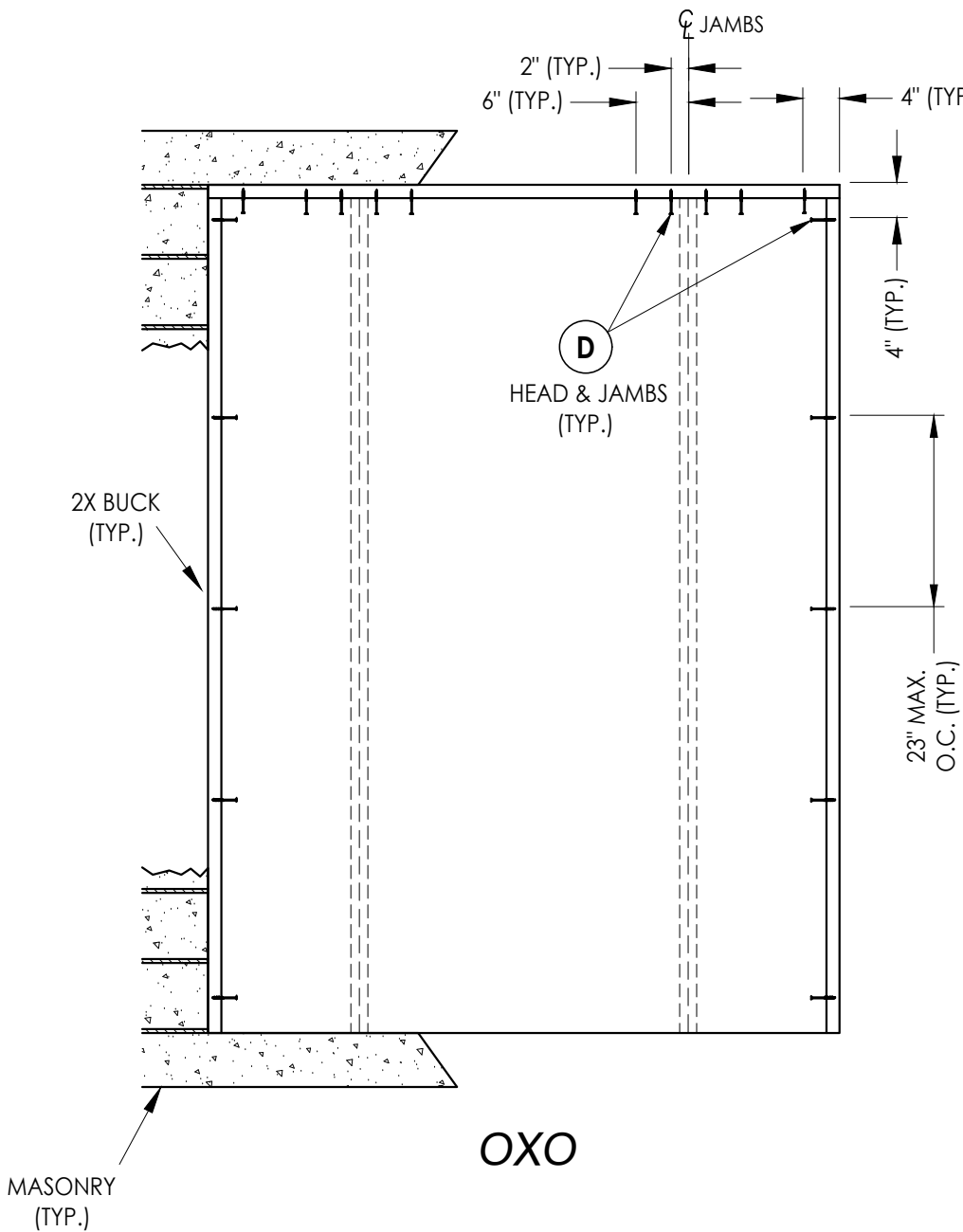
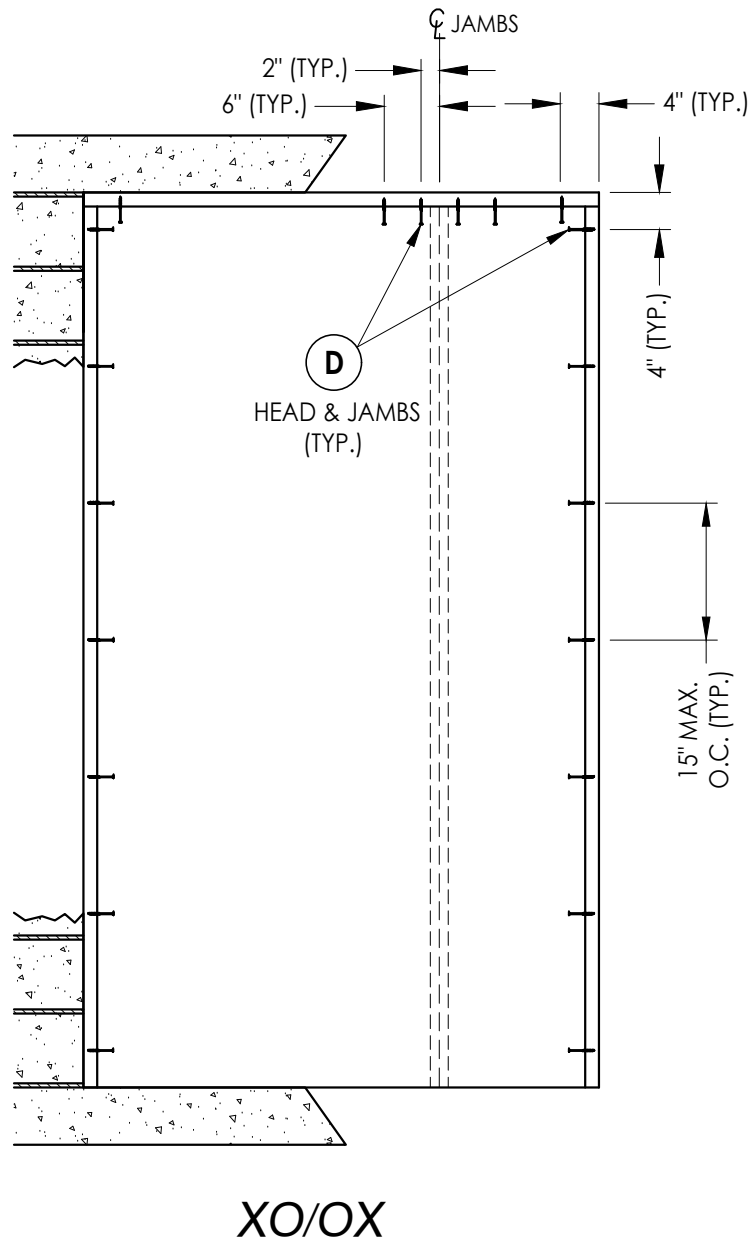
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Note:
1. Sidelite assembly screws located 6" from each end (2 total).



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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	
		LFS	BY
		FBC	
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/15/20	UPDATE TO 7th ED (2020)	FBC
NO.	DATE	REVISIONS	
DATE: 2/04/19			
SCALE: N.T.S.			
DWG. BY: MT			
CHK. BY: LFS			
DRAWING NO.: FL-28897.5			
SHEET 8 OF 12			

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2X BUCK ANCHORING

DATE: 2/04/19	
SCALE: N.T.S.	
DWG. BY:	MT
CHK. BY:	LFS
DRAWING NO.: FL-28897.5	
SHEET	9 OF 12

REVISIONS	
NO.	DATE
2	7/27/23
1	7/15/20

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

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

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

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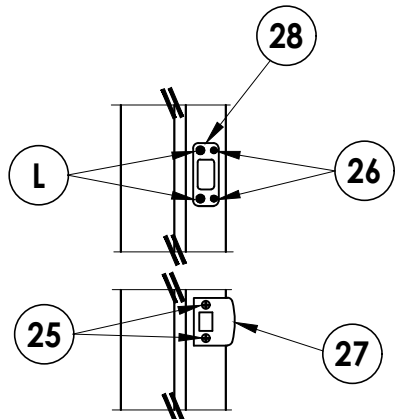


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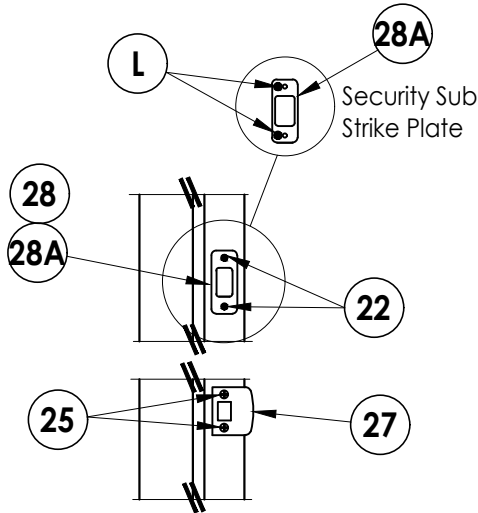
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Phone No.: 813.659.9197
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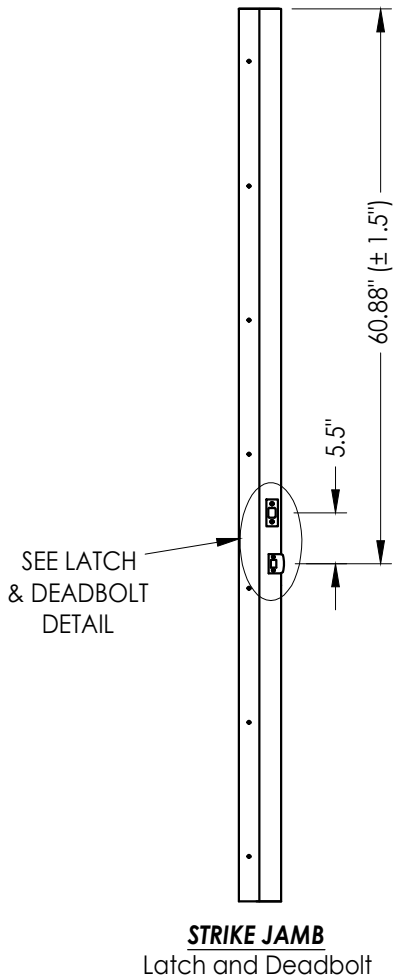


LATCH & DEADBOLT DETAIL
Kwikset



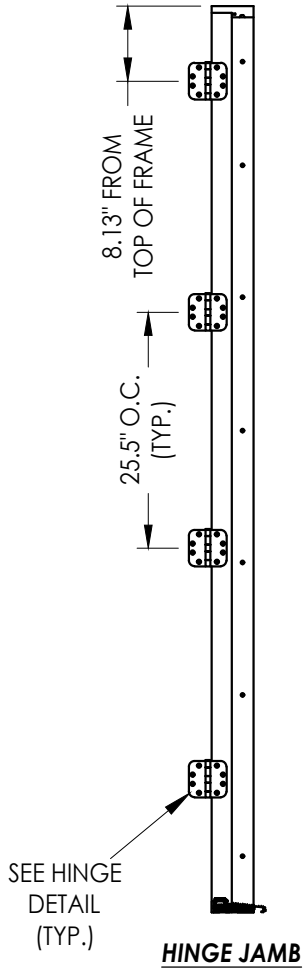
LATCH & DEADBOLT DETAIL
Schlage

LATCH & DEADBOLT STRIKE DETAILS

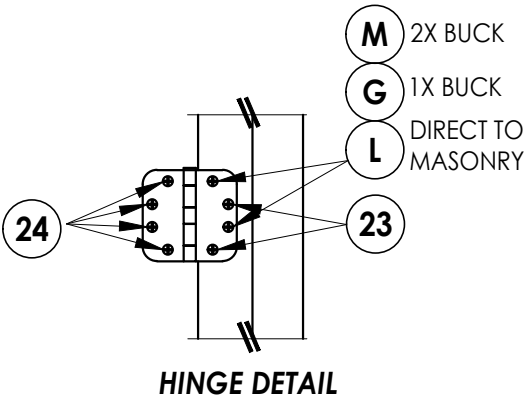


STRIKE JAMB

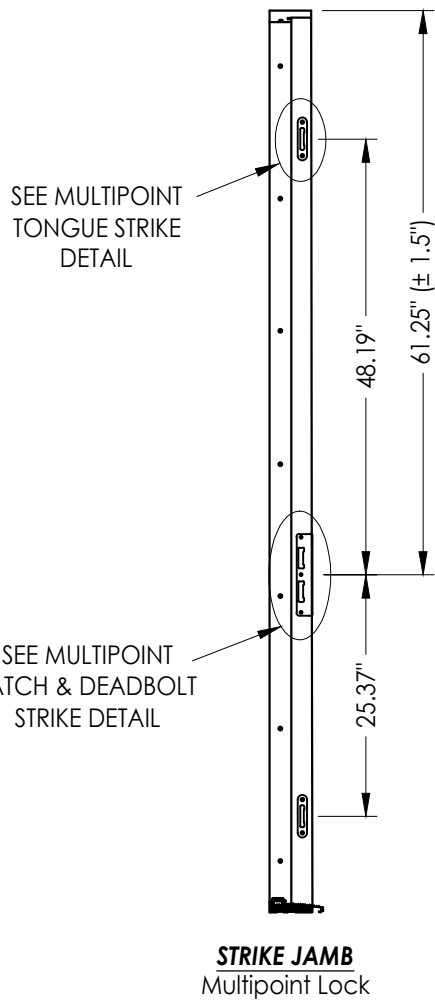
Latch and Deadbolt



HINGE JAMB



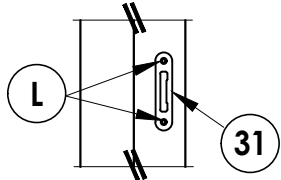
HINGE DETAIL



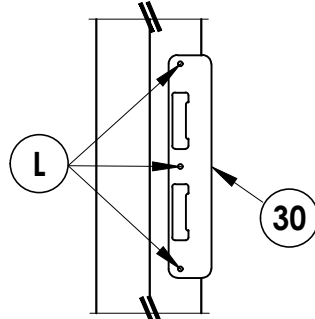
STRIKE JAMB

Multipoint Lock

MULTIPOINT LOCK STRIKE DETAILS



MULTIPOINT TONGUE STRIKE DETAIL



MULTIPOINT LATCH & DEADBOLT STRIKE DETAIL

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HARDWARE DETAILS

NO.	DATE	REVISIONS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC LFS

DATE: 2/04/19

SCALE: N.T.S.

DWG. BY: MT

CHK. BY: LFS

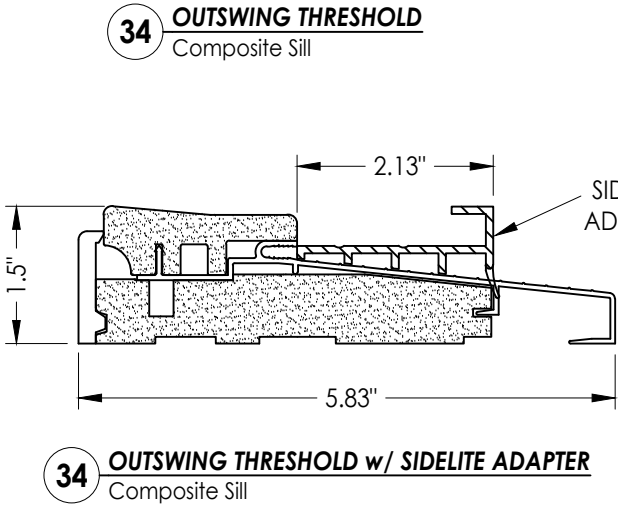
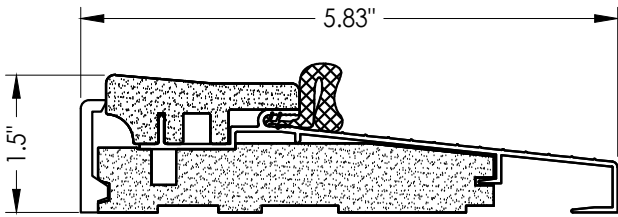
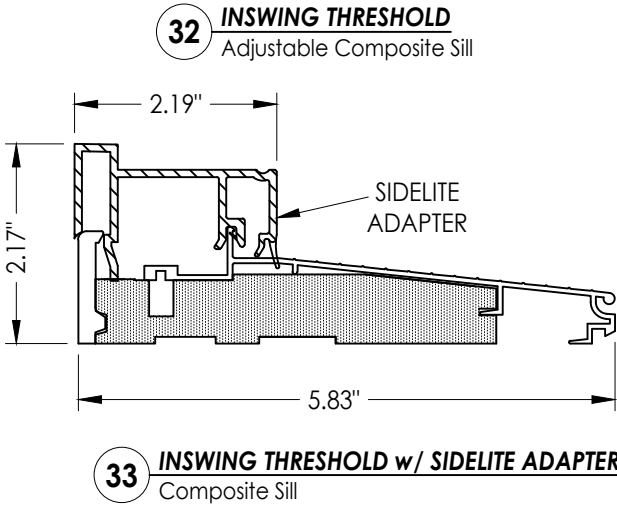
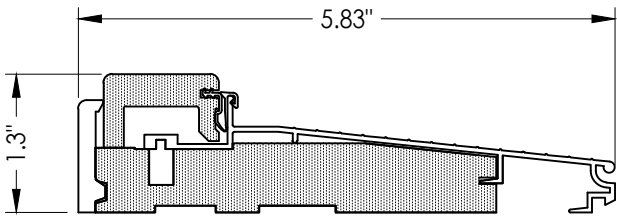
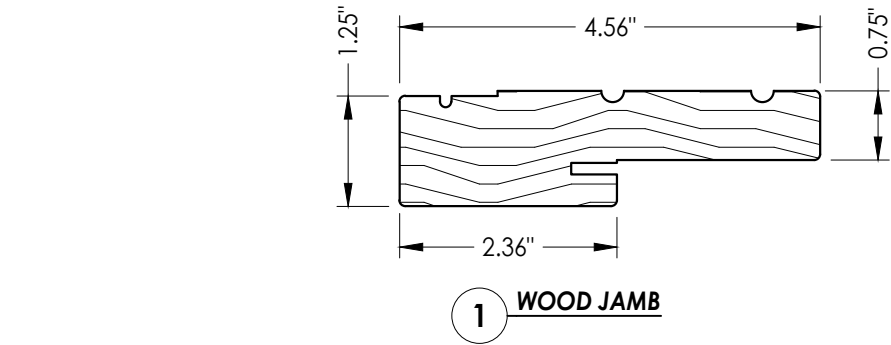
DRAWING NO.:

FL-28897.5

SHEET 11 OF 12

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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
1	JAMB (FINGER JOINT PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
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
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	MULTIPOINT LOCK STRIKE PLATE	STEEL
31	MULTIPOINT LOCK TONGUE STRIKE PLATE	STEEL
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
40	DOOR PANEL	-
50	SIDELITE PANEL	-
78	MULTIPOINT LOCK STRIKE PLATE @ HEAD	STEEL
79	MULTIPOINT LOCK STRIKE PLATE @ SILL	STEEL



- 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"	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		R.W. 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: BILL OF MATERIALS	
		LFS	BY
		UPDATE TO 8TH ED. (2023) FBC	REVISIONS
		UPDATE TO 7th ED (2020) FBC	
		NO.	DATE
DATE: 2/04/19			
SCALE: N.T.S.			
DWG. BY: MT			
CHK. BY: LFS			
DRAWING NO.: FL-28897.5			
SHEET 12 OF 12			