

Z:\2023 FBC Drawings\Therma-Tru\FL-28897 R3\FL-28897.4-6.dwg

THERMA-TRU[®] DOORS

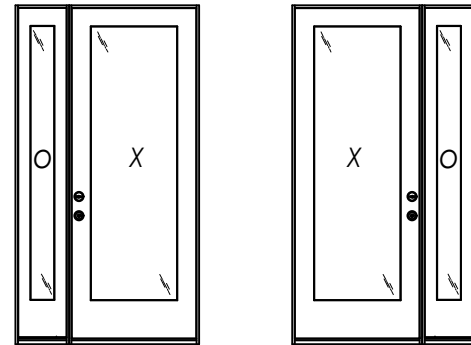
Classic-Craft[®]

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

GENERAL NOTES

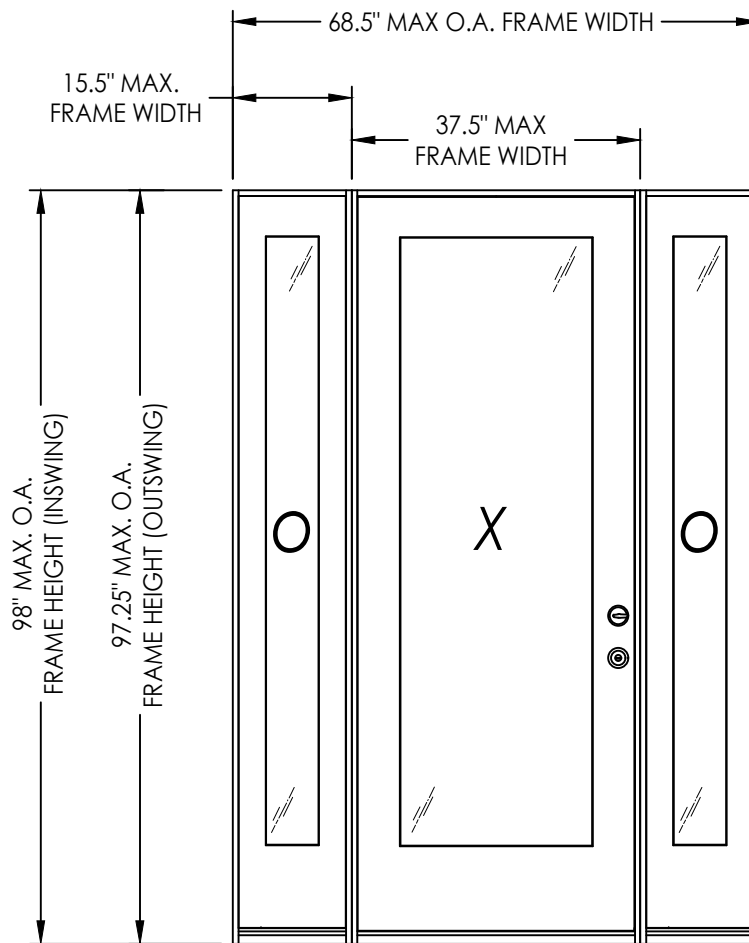
1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.

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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

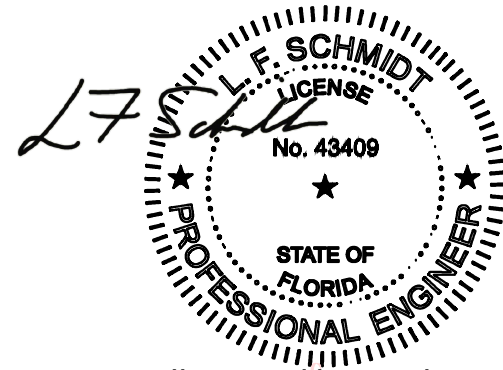


OX

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: 2026.08.08 15:36:58 -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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	LFS
NO.	DATE			BY

REVISIONS

DATE: 2/04/19

SCALE: N.T.S.

DWG. BY: MT

CHK. BY: LFS

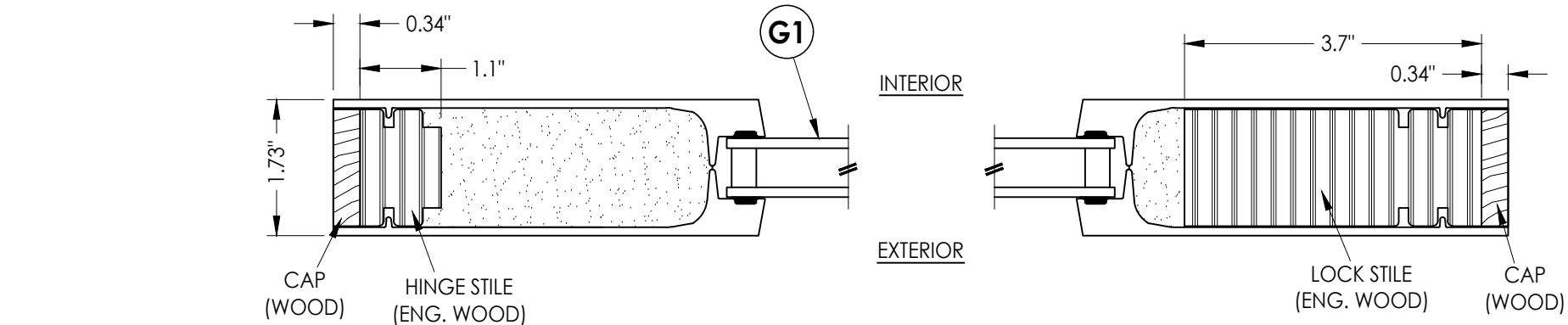
DRAWING NO.: FL-28897.5

SHEET 1 OF 12

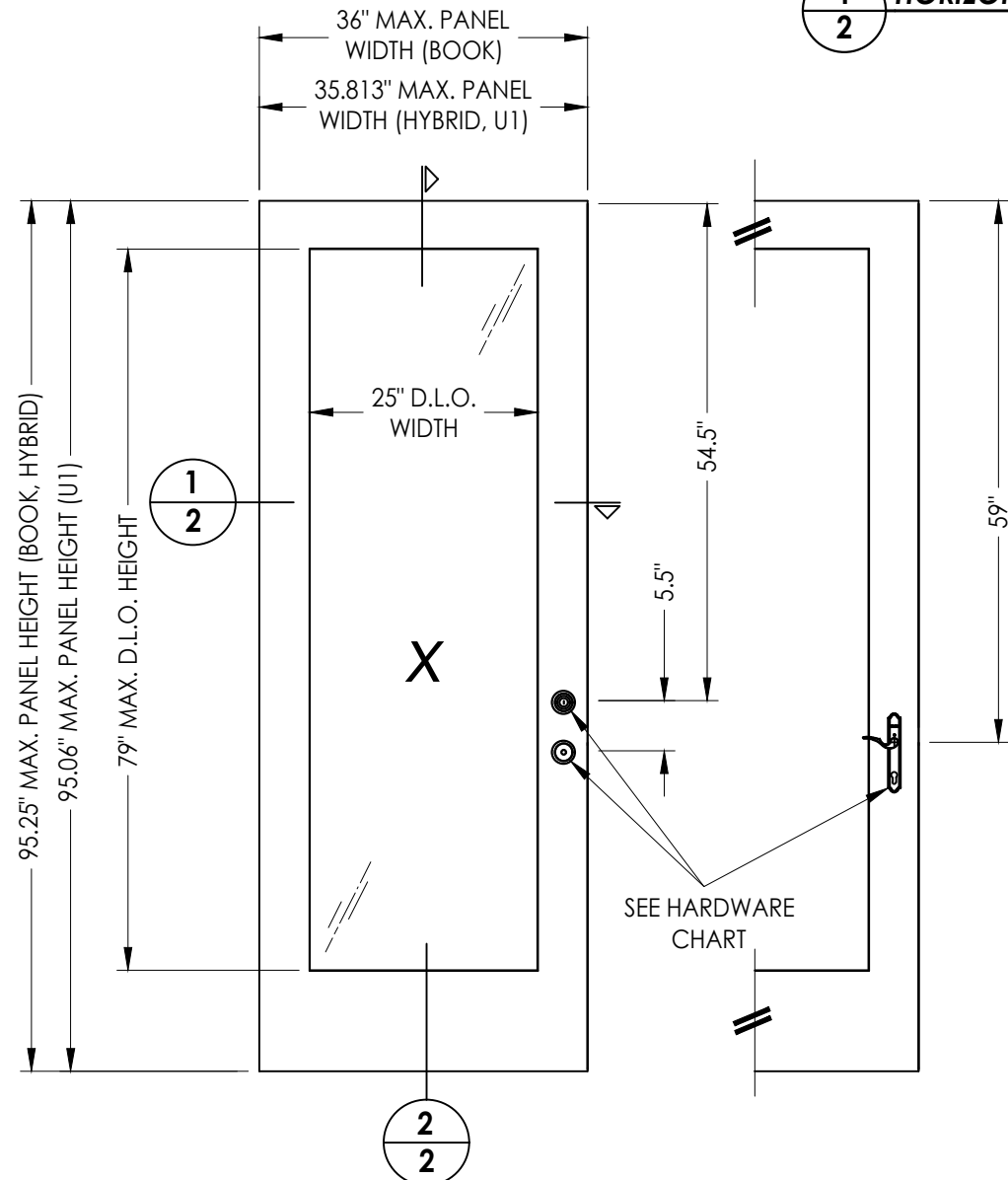
Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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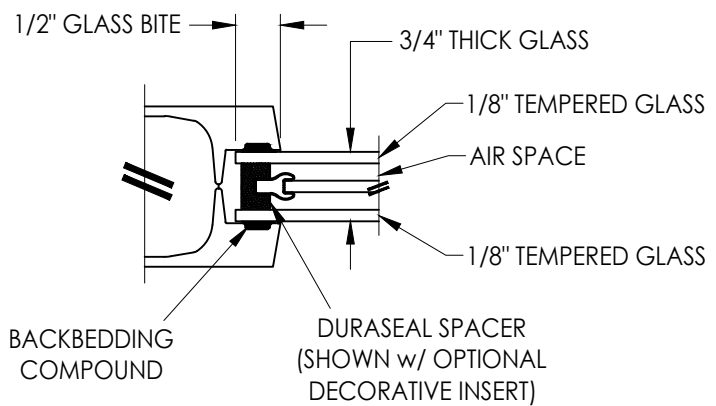


1
2 **HORIZONTAL CROSS SECTION**



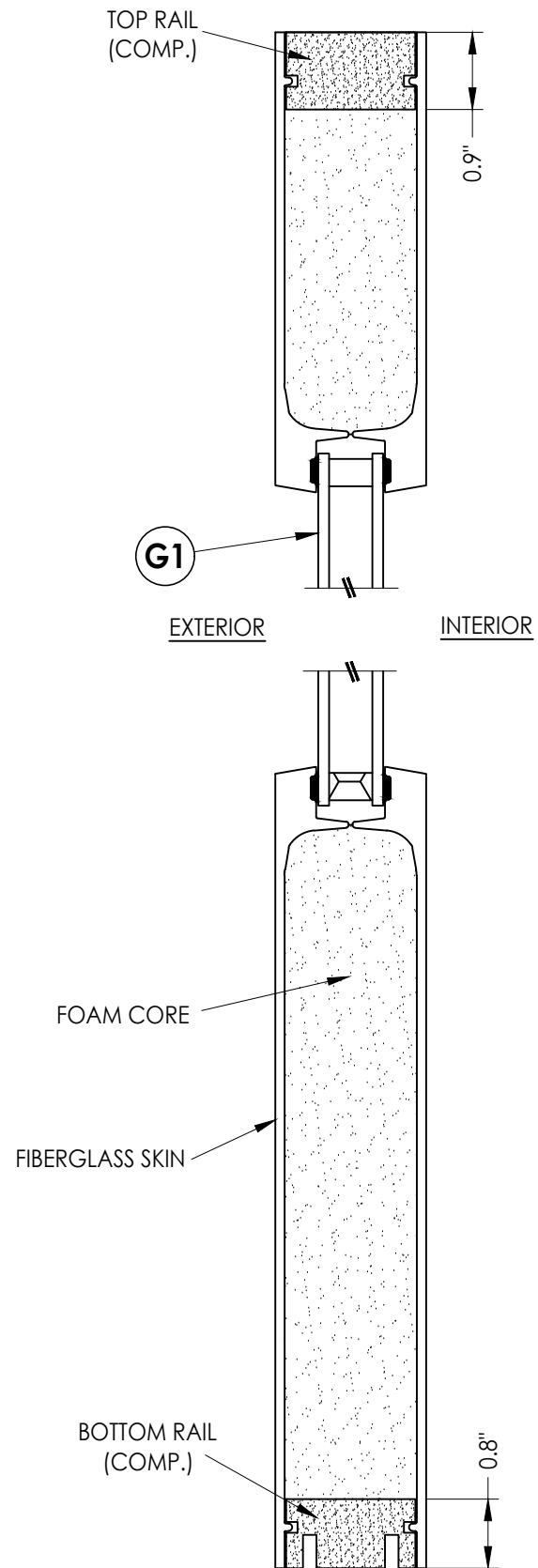
40 **DOOR PANEL**
Classic-Craft Shaker

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
2 **VERTICAL CROSS SECTION**

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS		
		BY	DATE	DESCRIPTION
3	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC
2	7/27/23	UPDATE TO 8TH ED.	(2023)	FBC
1	7/15/20	UPDATE TO 7th ED	(2020)	FBC

DATE: 2/04/19

SCALE: N.T.S.

DWG. BY: MT

CHK. BY: LFS

DRAWING NO.:

FL-28897.5

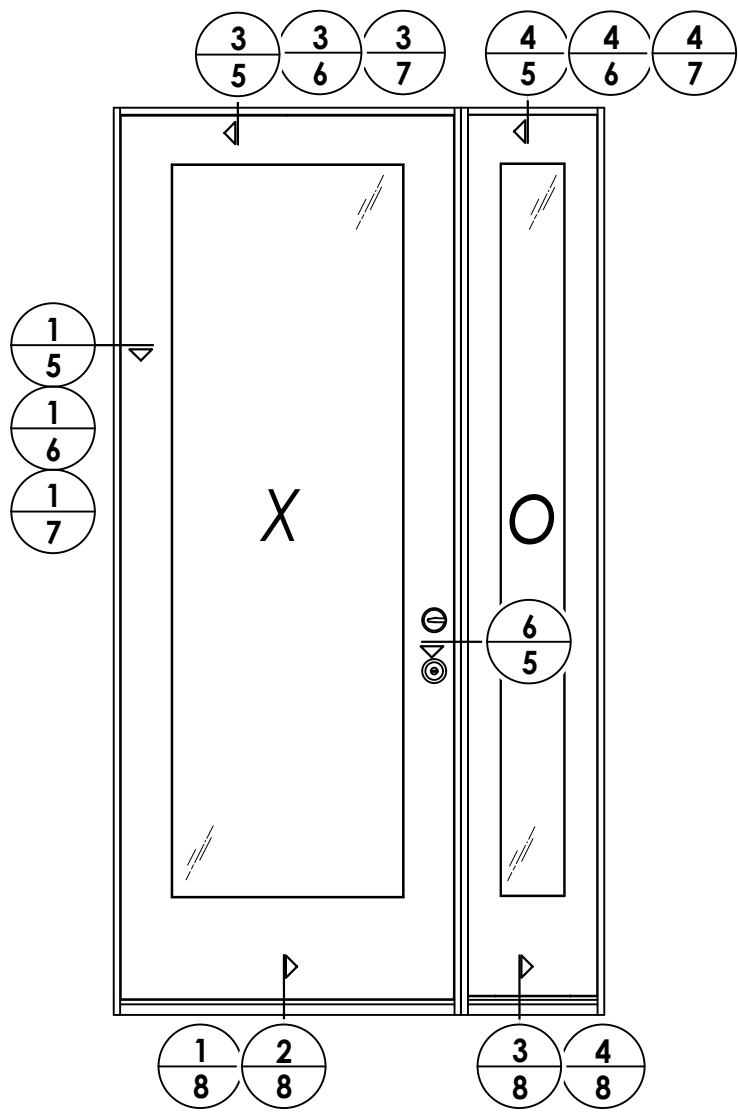
SHEET 2 OF 12

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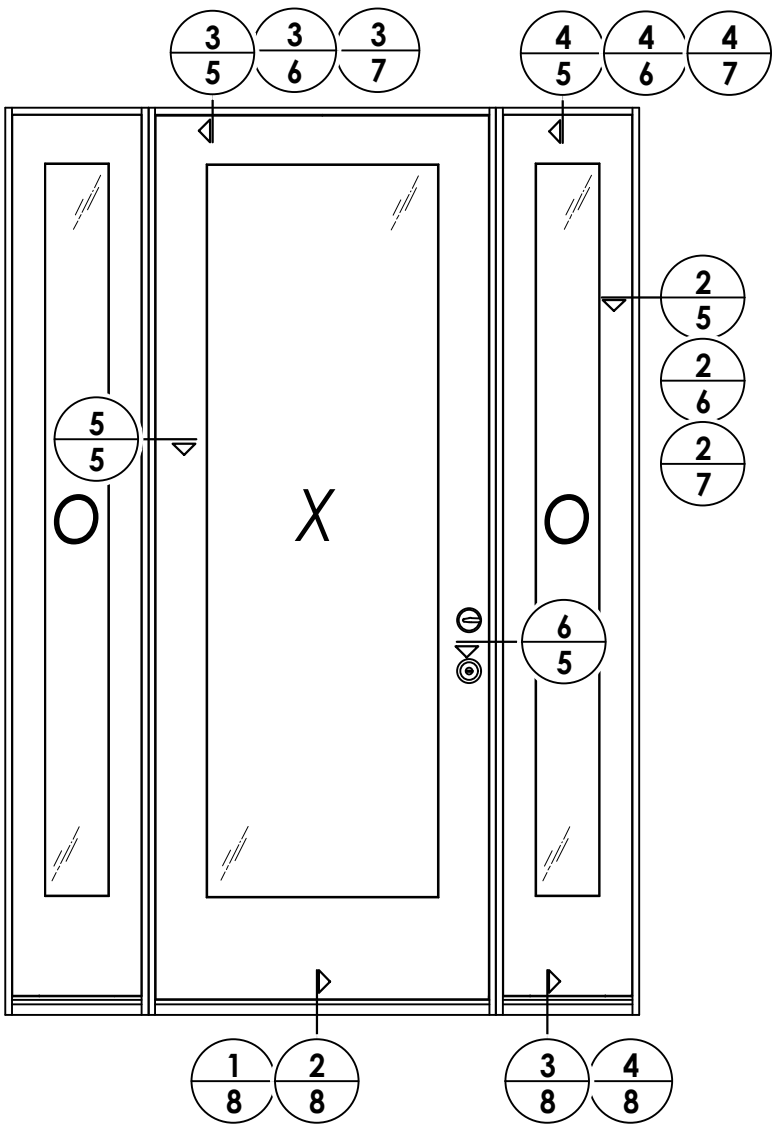
Documents Prepared By:
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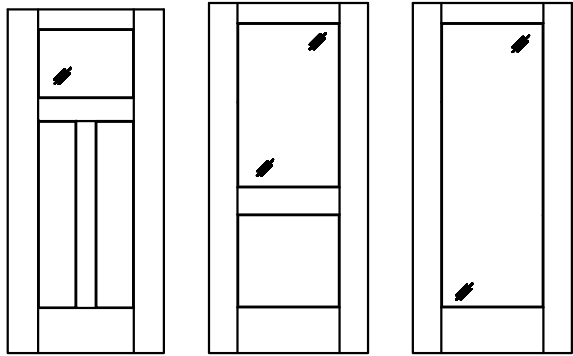
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ELEVATION
XO



ELEVATION
OXO



Classic-Craft Shaker Door Panel Options

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

NO.	DATE	REVISIONS		
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
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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

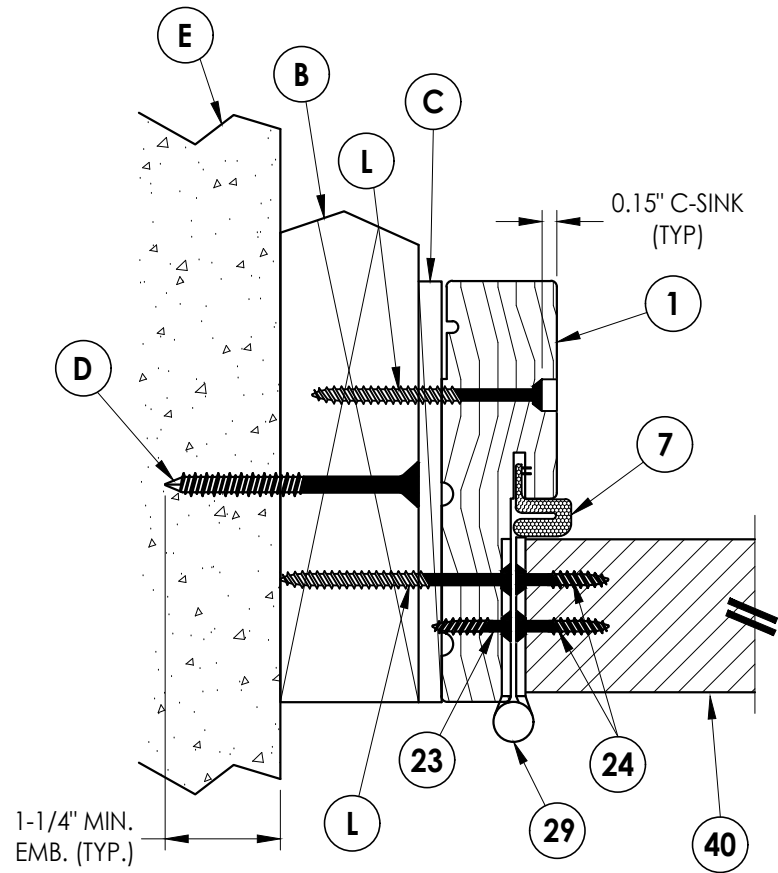
SHEET 4 OF 12

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

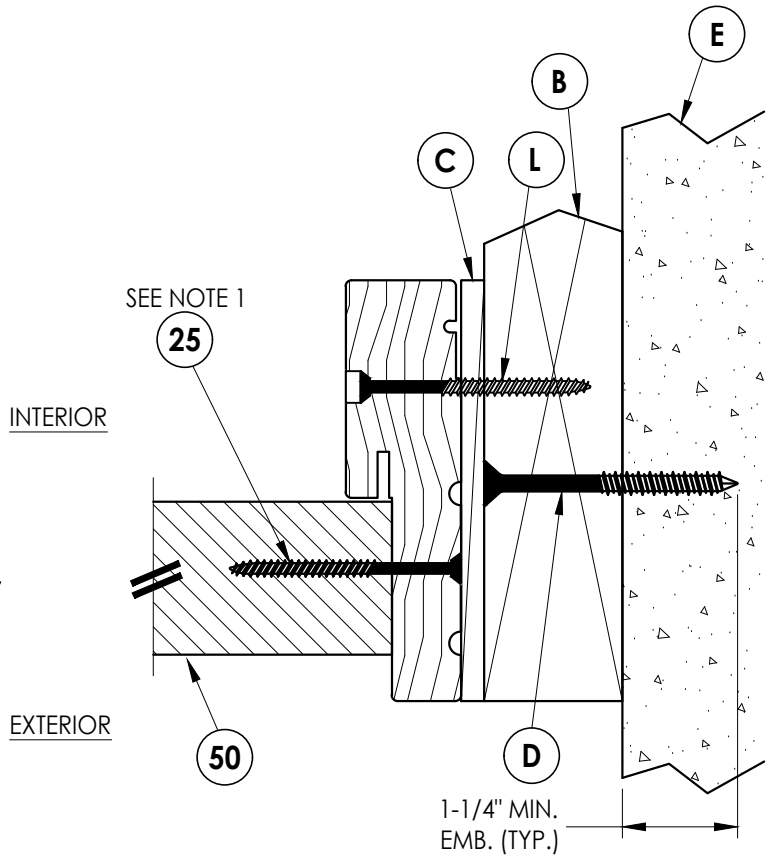
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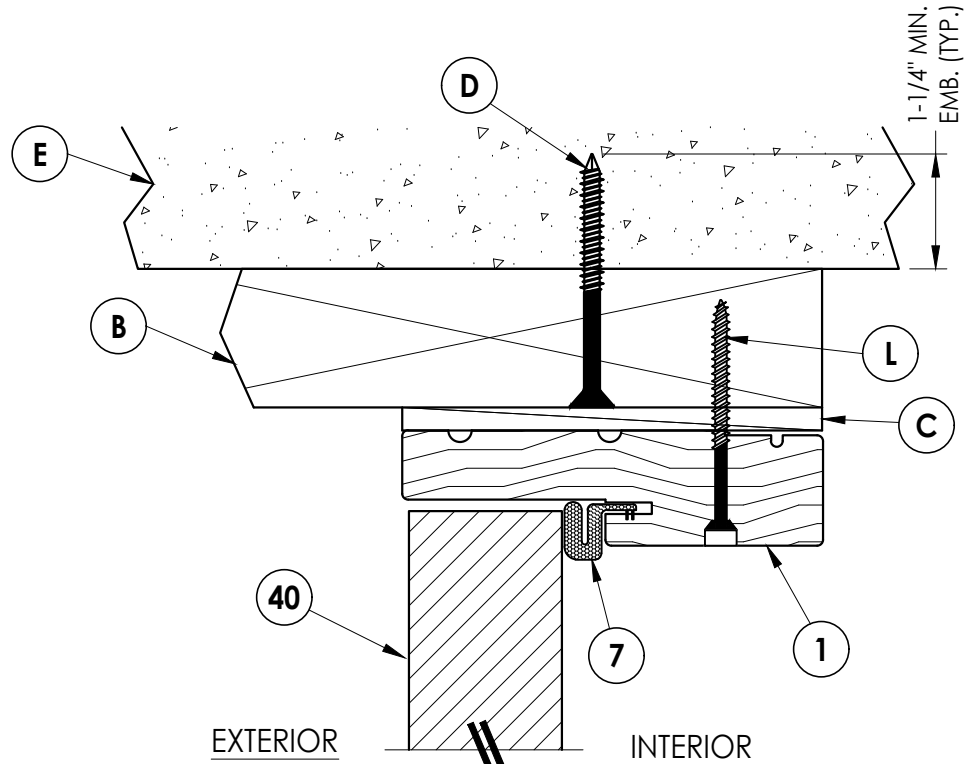


1 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)

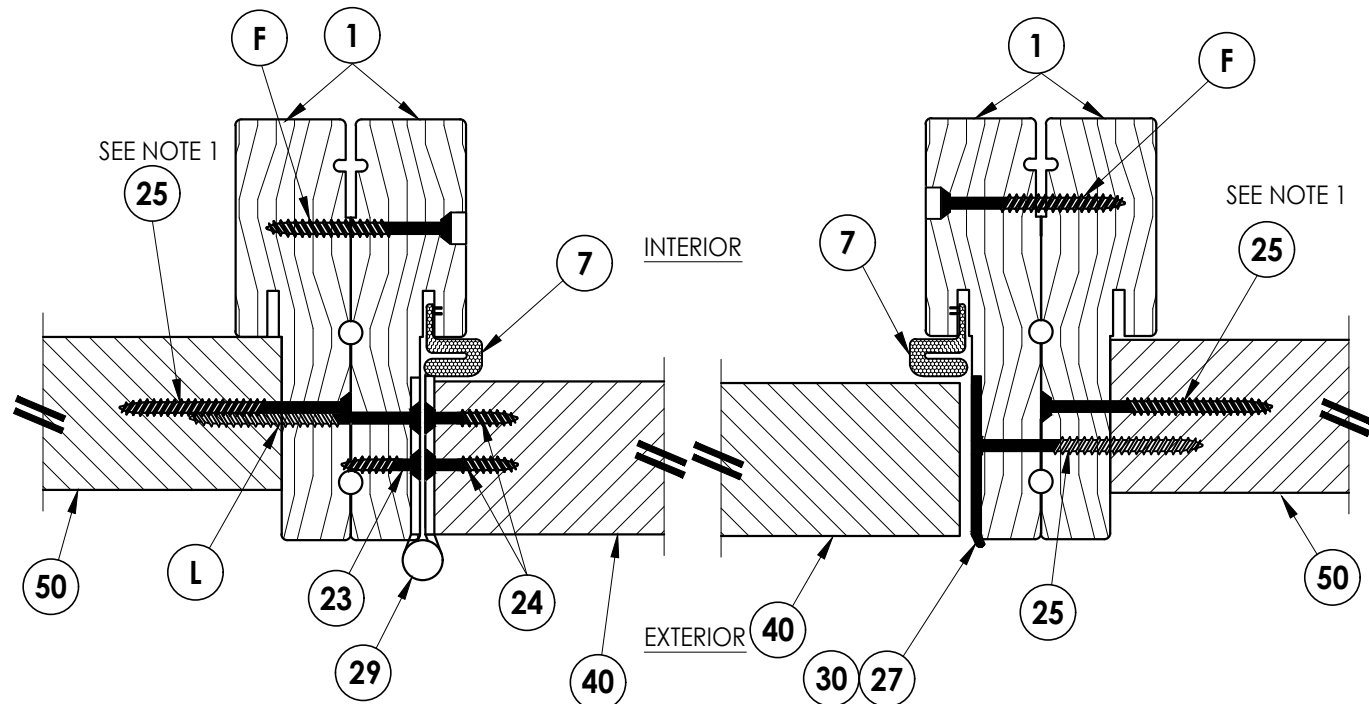


2 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)

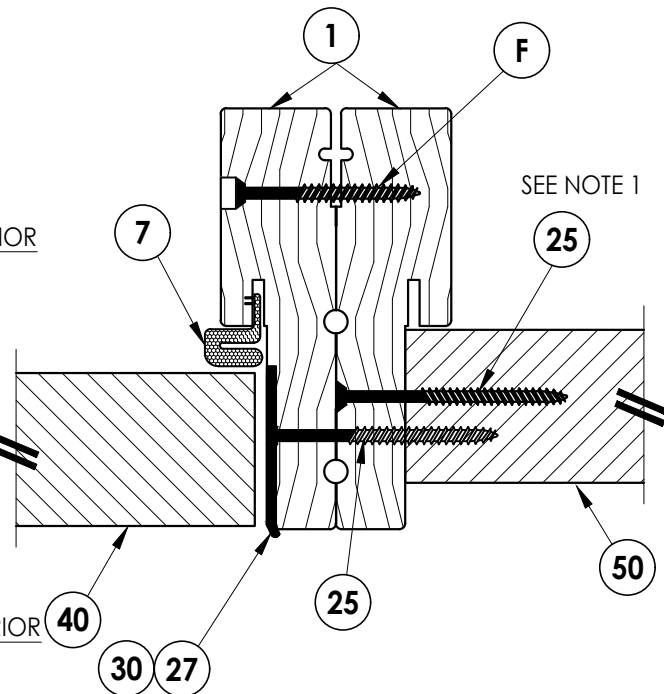
- Notes:
1. Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).
 2. Sidelite assembly screws located 6" from each end (2 total).



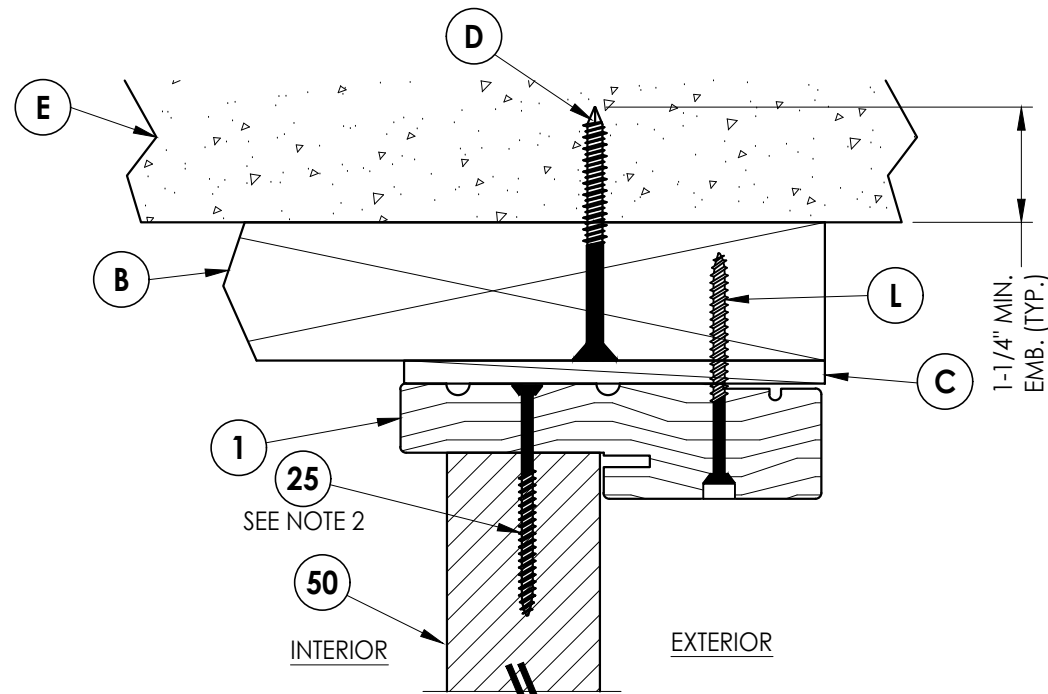
3 VERTICAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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.

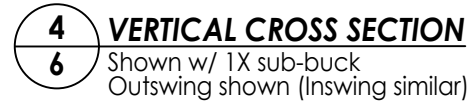
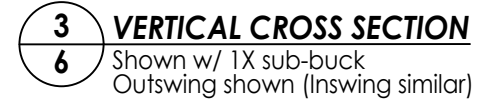
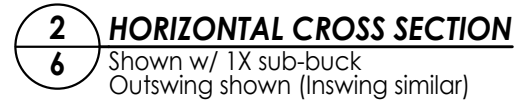
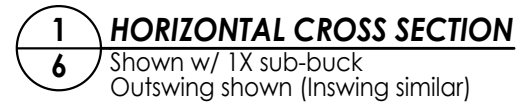
DWG. BY: MT

CHK. BY: LFS

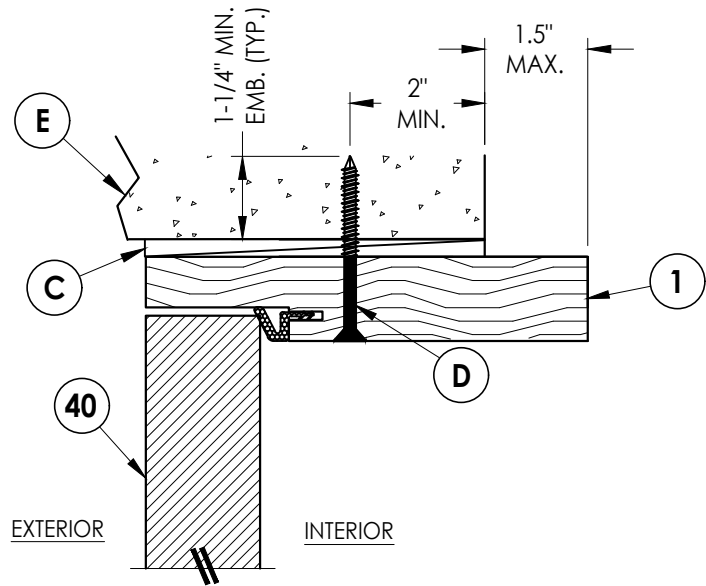
DRAWING NO.: FL-28897.5

SHEET 5 OF 12

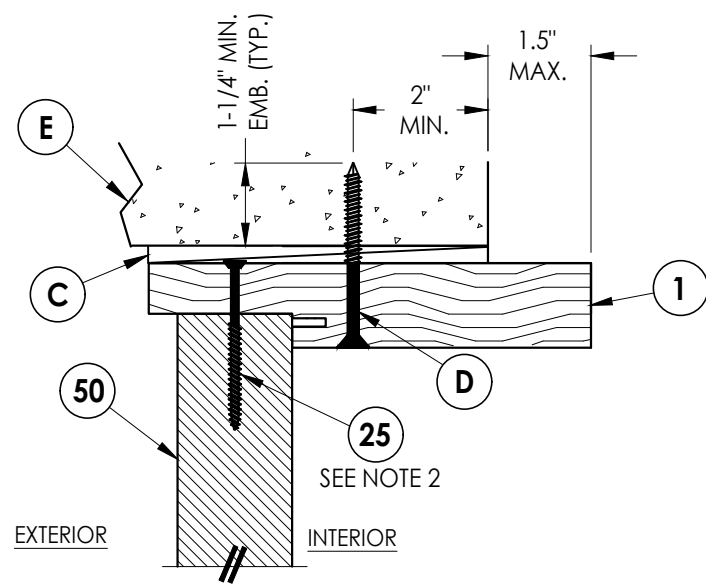
1. Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).
2. Sidelite assembly screws located 6" from each end (2 total).



DATE: 2/04/19		PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)		<i>R_W</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: MT					
CHK. BY: LFS					
DRAWING NO.: FL-28897.5					
SHEET 6 OF 12					
NO. DATE		3 7/01/26 UPDATE TO 9TH ED. (2026) FBC LFS			
		2 7/27/23 UPDATE TO 8TH ED. (2023) FBC LFS			
		1 7/15/20 UPDATE TO 7th ED (2020) FBC LFS			
NO. DATE		BY			
		REVISIONS			



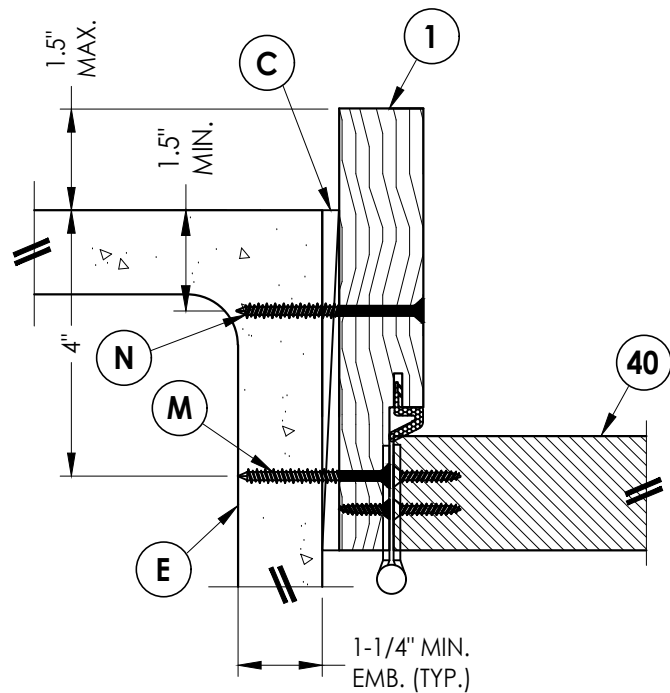
2
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



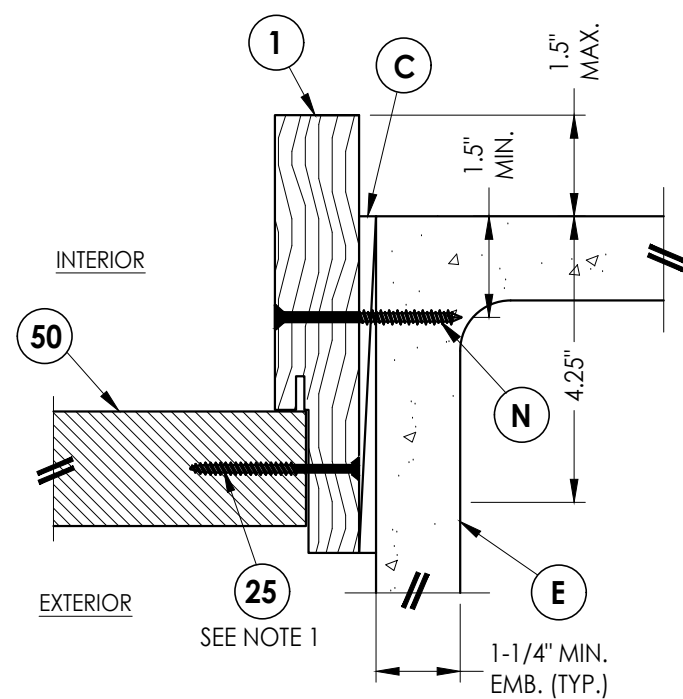
3
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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



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

Documents Prepared By:
Lyndon F. Schmidt
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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:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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

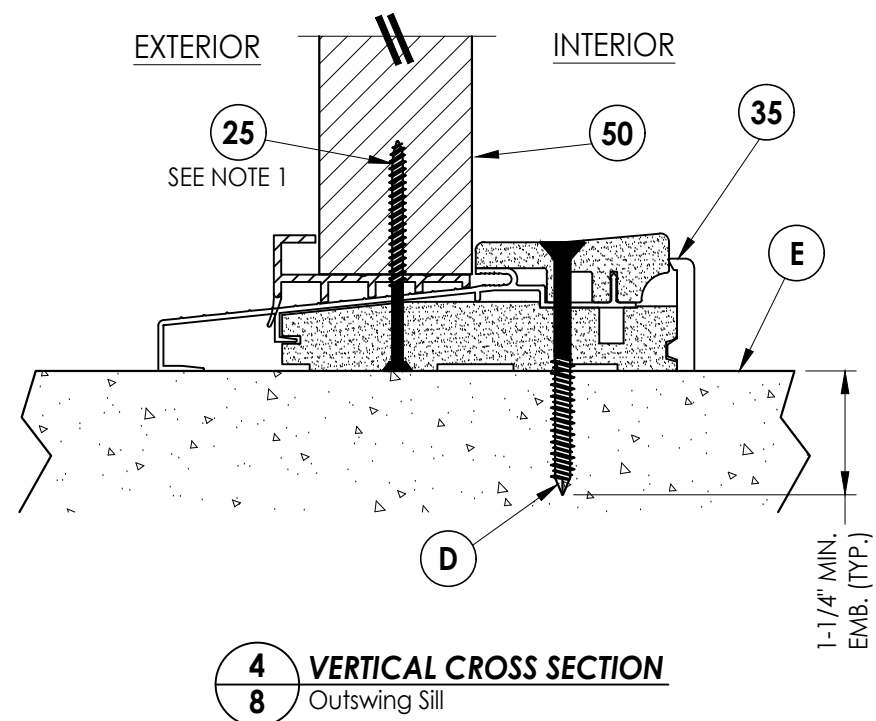
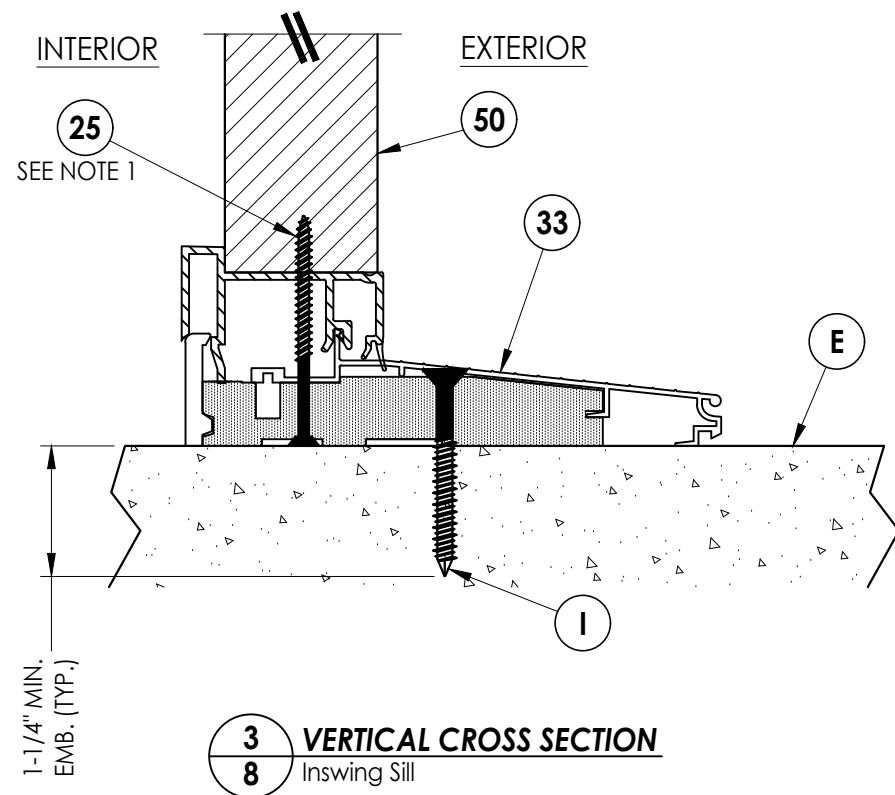
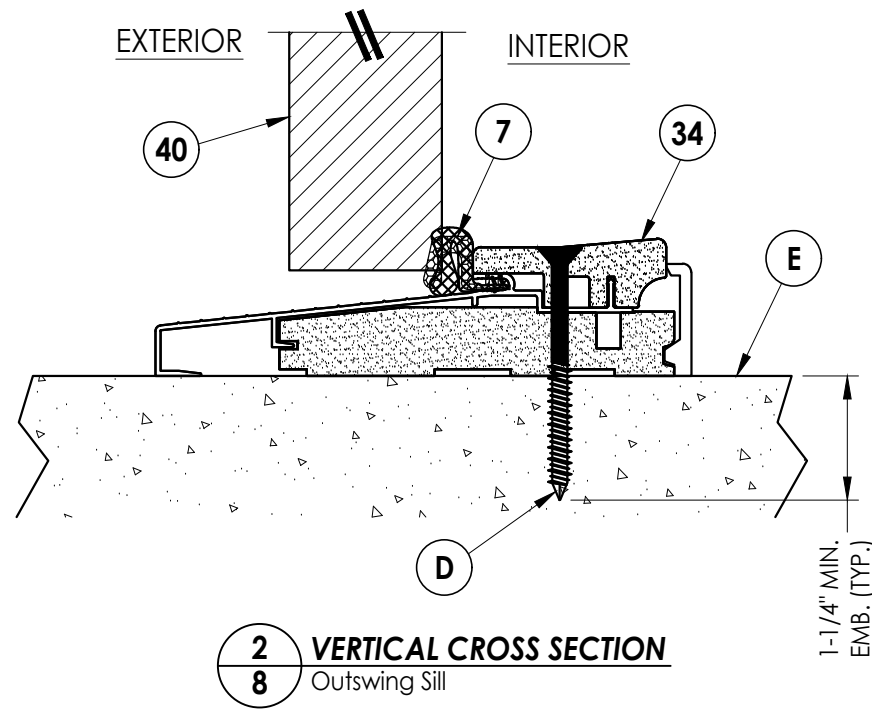
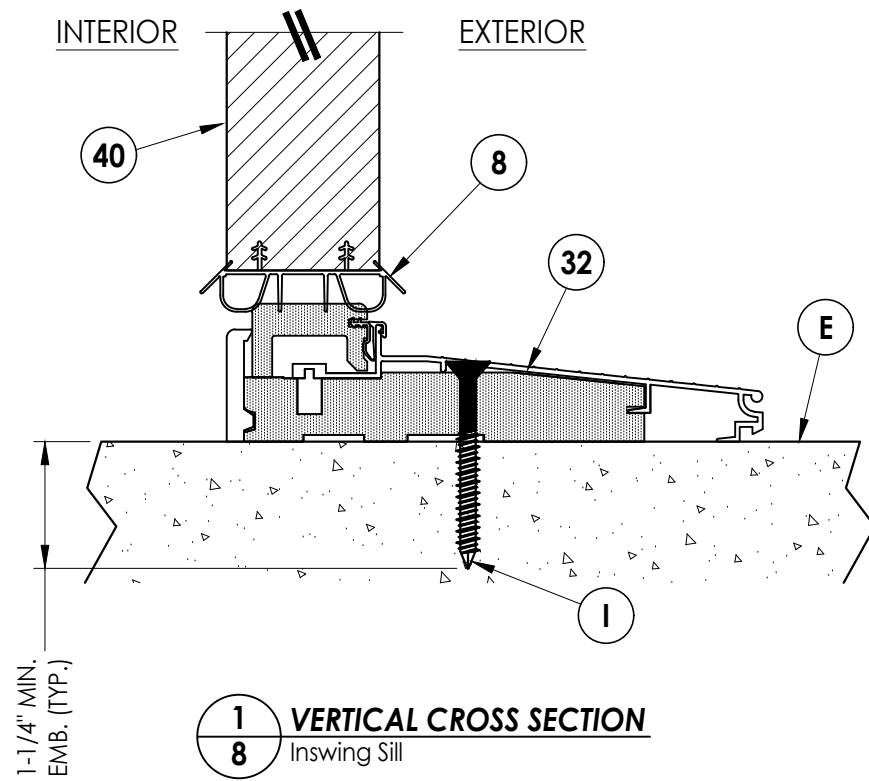
CHK. BY: LFS

DRAWING NO.:

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SHEET 7 OF 12

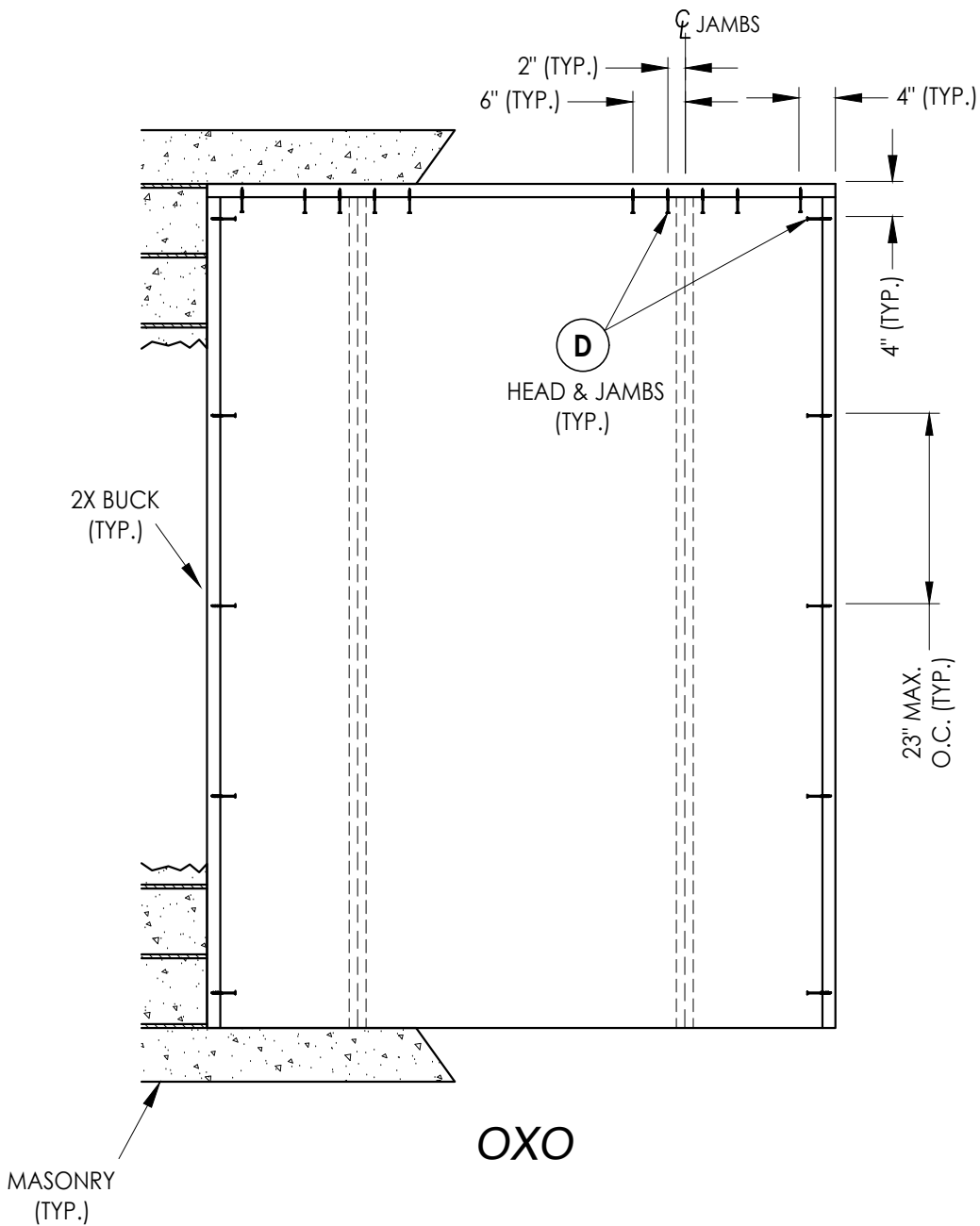
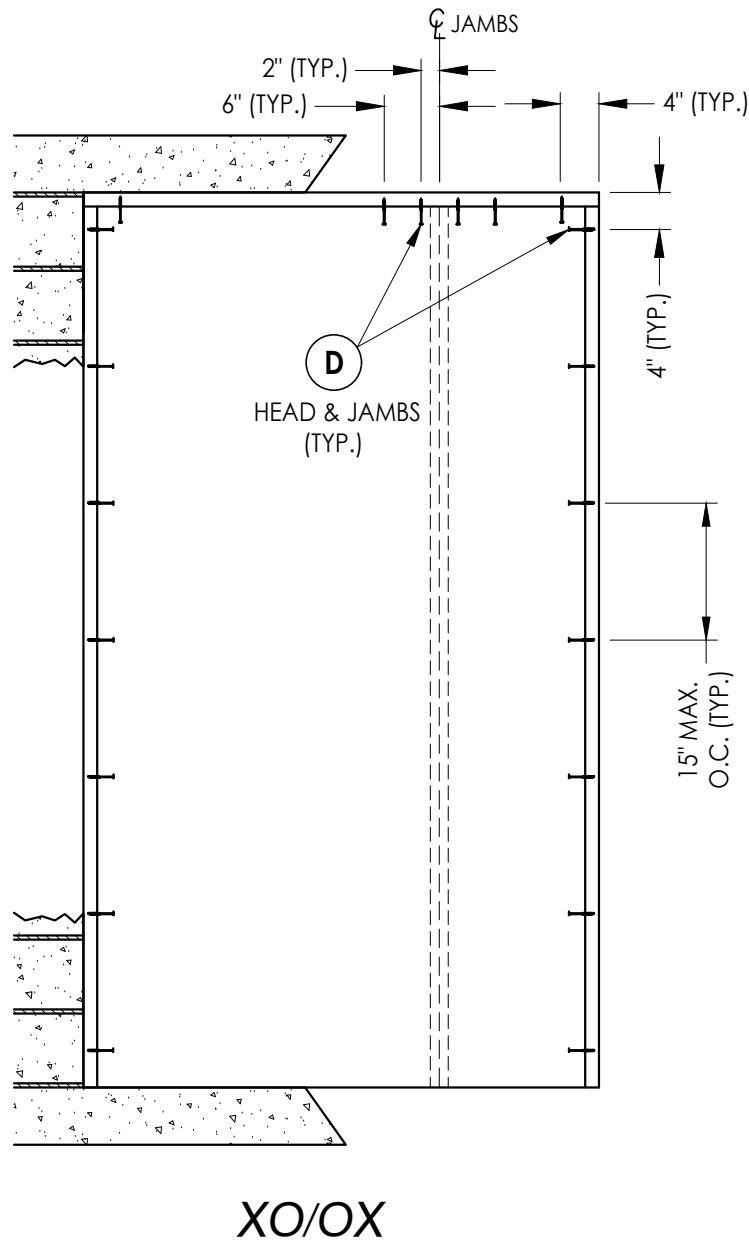
1. Sidelite assembly screws located 6" from each end (2 total).

[illegible]

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS (THRESHOLDS)

Documents Prepared By:
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P.E. No. 43409

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2X BUCK ANCHORING

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1	7/15/20	UPDATE TO 7th ED (2020) FBC LFS

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

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

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

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Phone No.: 813.659.9197
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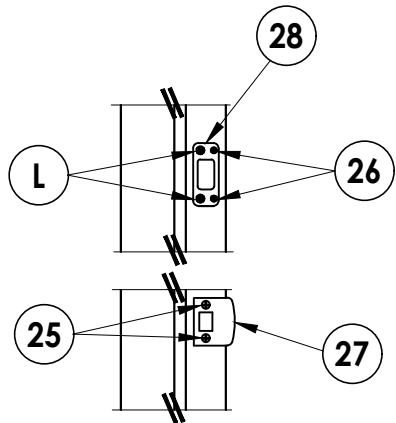
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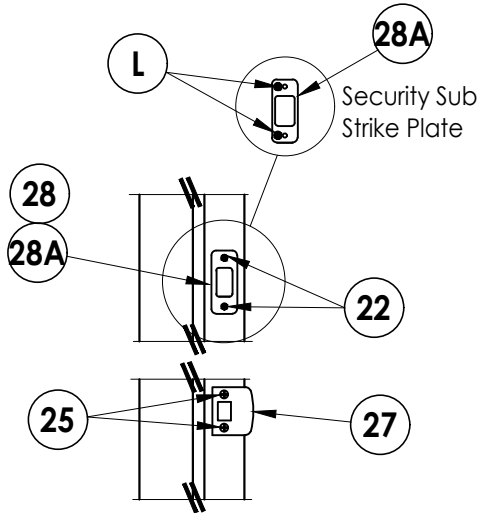
FRAME ANCHORING

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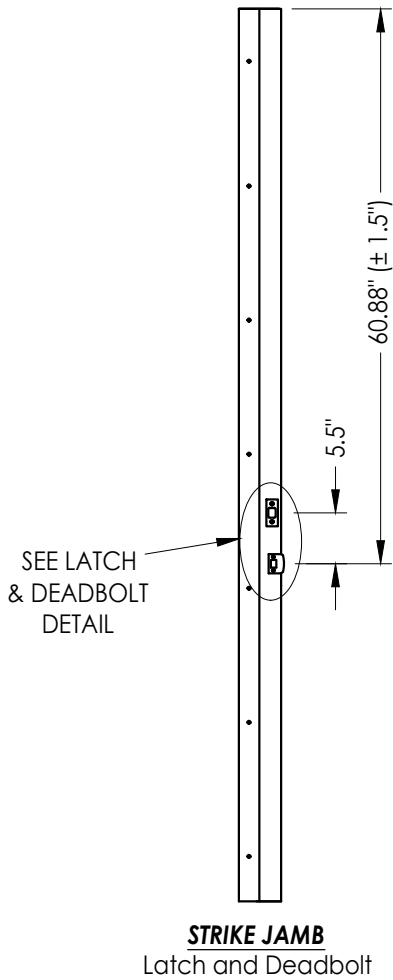
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LATCH & DEADBOLT DETAIL
Kwikset

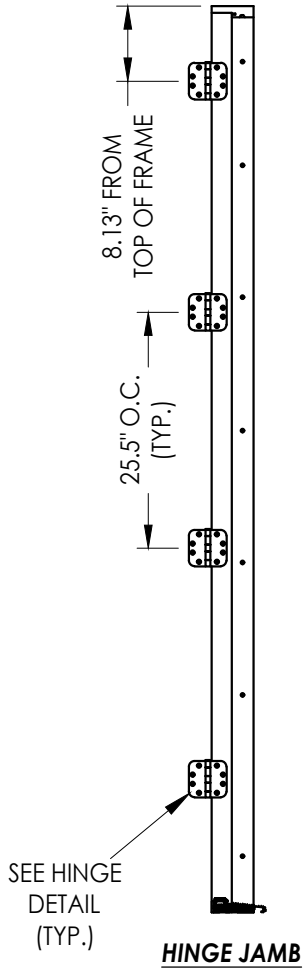


LATCH & DEADBOLT DETAIL
Schlage



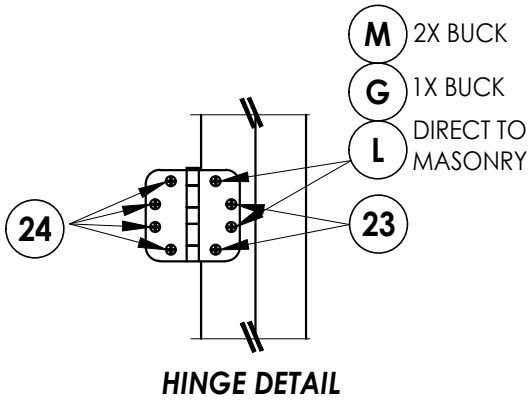
SEE LATCH
& DEADBOLT
DETAIL

STRIKE JAMB
Latch and Deadbolt

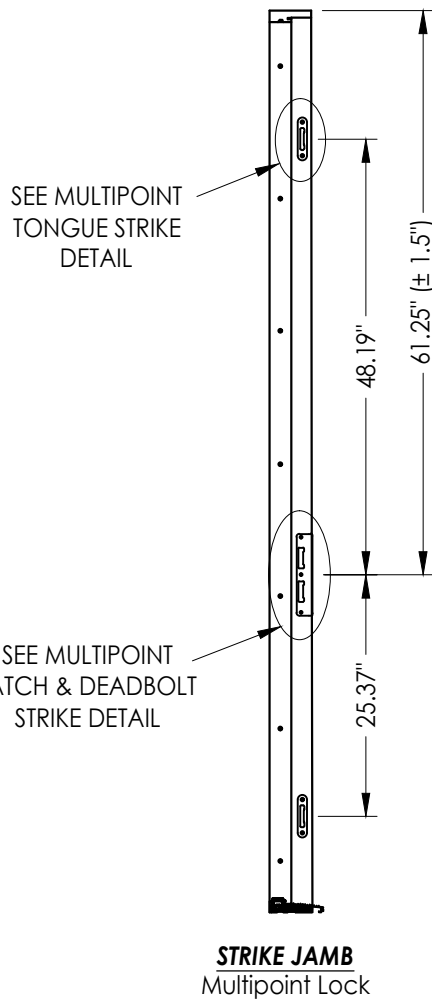


SEE HINGE
DETAIL
(TYP.)

HINGE JAMB



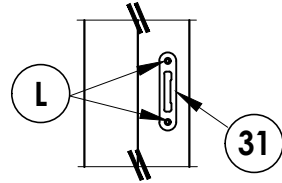
HINGE DETAIL



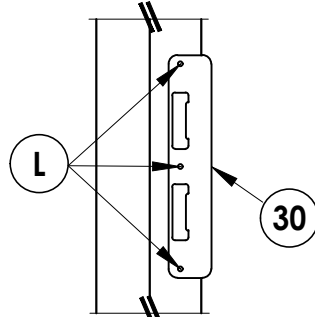
SEE MULTIPOINT
TONGUE STRIKE
DETAIL

SEE MULTIPOINT
LATCH & DEADBOLT
STRIKE DETAIL

STRIKE JAMB
Multipoint Lock



MULTIPOINT TONGUE STRIKE DETAIL



MULTIPOINT LATCH & DEADBOLT STRIKE DETAIL

MULTIPOINT LOCK STRIKE DETAILS

LATCH & DEADBOLT STRIKE DETAILS

NO.		DATE	REVISIONS	
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
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NO.		DATE		

DATE: 2/04/19

SCALE: N.T.S.

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CHK. BY: LFS

DRAWING NO.:

FL-28897.5

SHEET 11 OF 12

Documents Prepared By:
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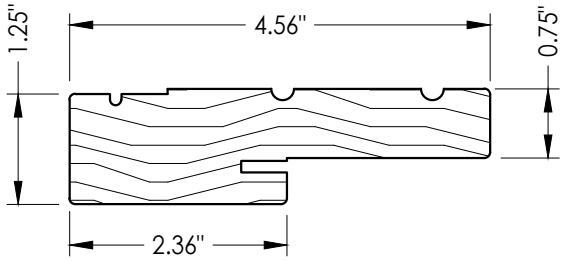
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HARDWARE DETAILS

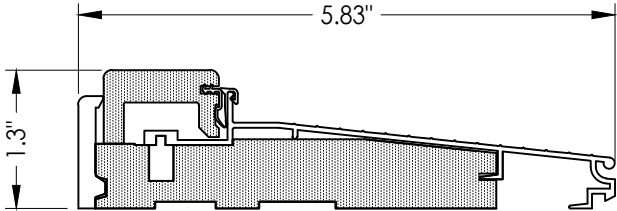
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PFH 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

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

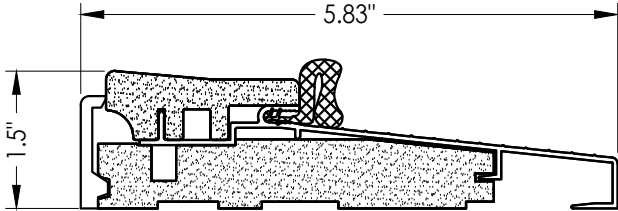


1 WOOD JAMB



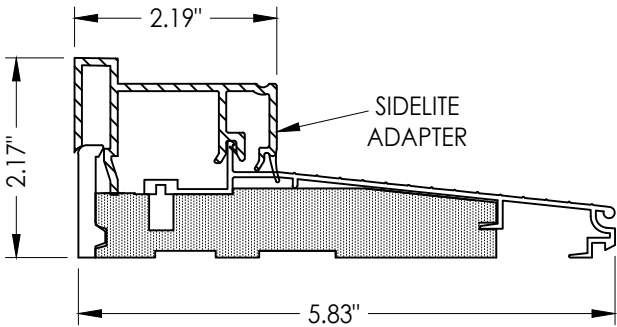
32 INSWING THRESHOLD

Adjustable Composite Sill



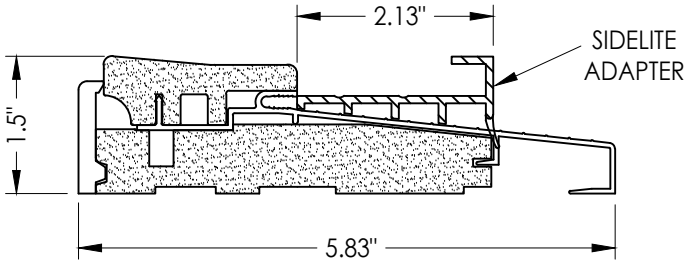
34 **OUTSWING THRESHOLD**

Composite Sill



33 INSWING THRESHOLD w/ SIDELITE ADAPTER

Composite Sill



34 OUTSWING THRESHOLD w/ SIDELITE ADAPTER

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"
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:

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

DATE: 2/04/19		DRAWING NO.: FL-28897.5		SHEET 12 OF 12	
SCALE: N.T.S.		CHK. BY: LFS		DWG. BY: MT	
NO. DATE		REVISIONS		PART OR ASSEMBLY:	
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	PRODUCT:
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	THERMA-TRU FIBERGLASS DOOR
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	LFS	
NO. DATE		REVISIONS		BILL OF MATERIALS	
NO. DATE		REVISIONS		BUILDING CONSULTANTS, INC.	
NO. DATE		REVISIONS		P.O. Box 230, Valrico, FL 33595	
NO. DATE		REVISIONS		Phone No.: 813.659.9197	
NO. DATE		REVISIONS		FBPE Registry No. 9813	
NO. DATE		REVISIONS		Lyndon F. Schmidt	
NO. DATE		REVISIONS		P.E. No. 43409	
NO. DATE		REVISIONS		Documents Prepared By:	