



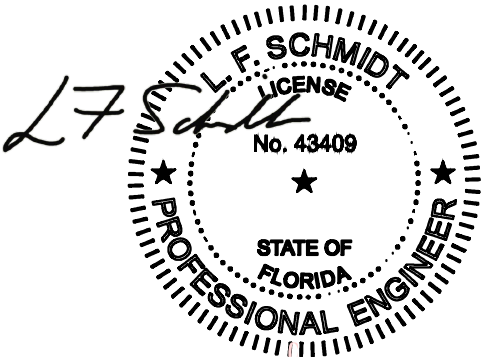
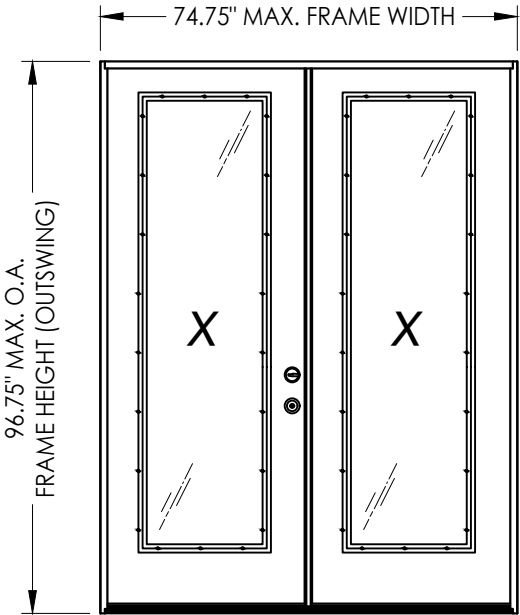
Fiber-Classic® & Smooth-Star®

**CUT DOWN WOOD EDGE
GLAZED FIBERGLASS DOUBLE DOOR
w/ or w/out SIDELITES
OUTSWING
"IMPACT"**

GENERAL NOTES

1. This product evaluation drawing has been developed in compliance with the 9th Edition (2026) 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.
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 #19) & Composite Sill (item #16) 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.

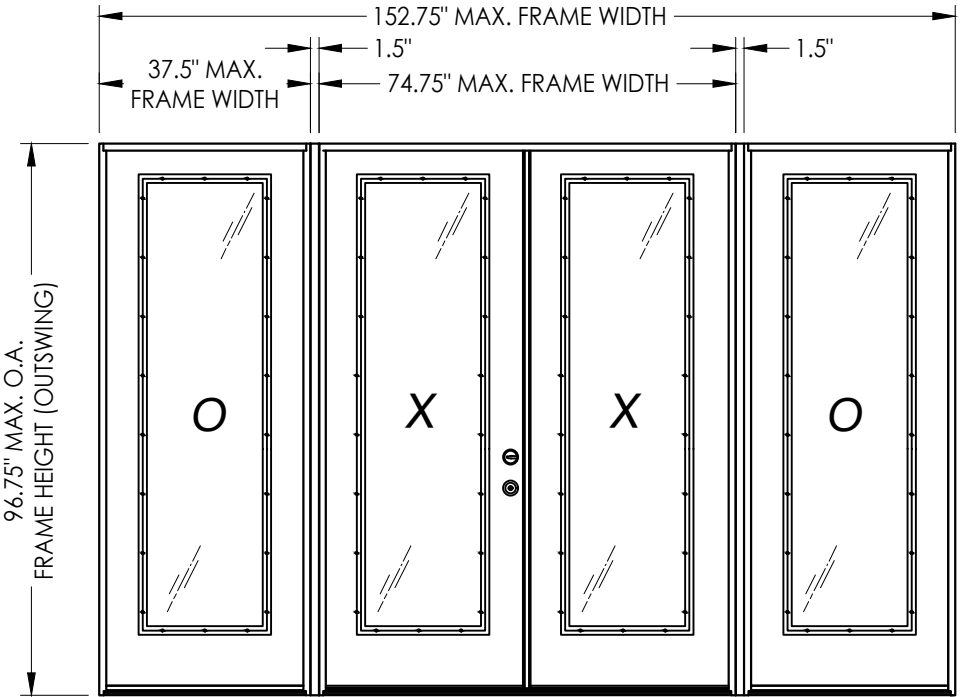
TABLE OF CONTENTS			
SHEET#	DESCRIPTION	SHEET#	
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2	Door Panel Details	9	Buck Anchoring
3	Sidelite Panel Details	10	Frame Anchoring
4	Elevations	11	Hardware Details
5	Horizontal & Vertical Cross Sections (2X Buck)	12	Glazing Details
6	Horizontal & Vertical Cross Sections (1X Buck)	13	Components
7	Horizontal & Vertical Cross Sections (Direct to Masonry)	14	Bill of Materials



Digitally signed by Lyndon F Schmidt
Date: 2026.08.10 08:21:23 -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
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must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

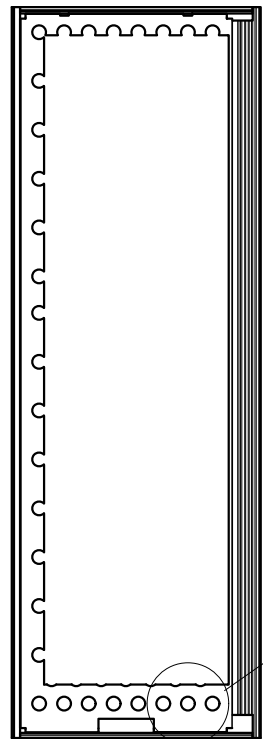


CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE
XX, OXXO	Latch & Deadbolt	+45.0	-45.0
XX, OXXO	Multipoint	+50.0	-50.0

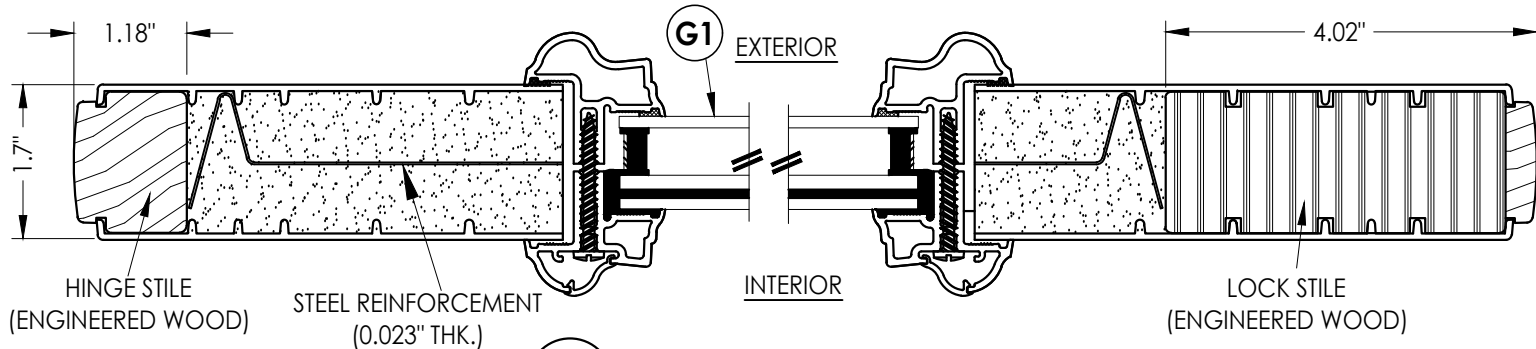
See Sheet 3 for Hardware Specifications

THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
PRODUCT:			
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC PO
NO.	DATE		BY
			REVISIONS
DATE: 08/12/19			
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-30077.12	
SHEET		1	OF 14

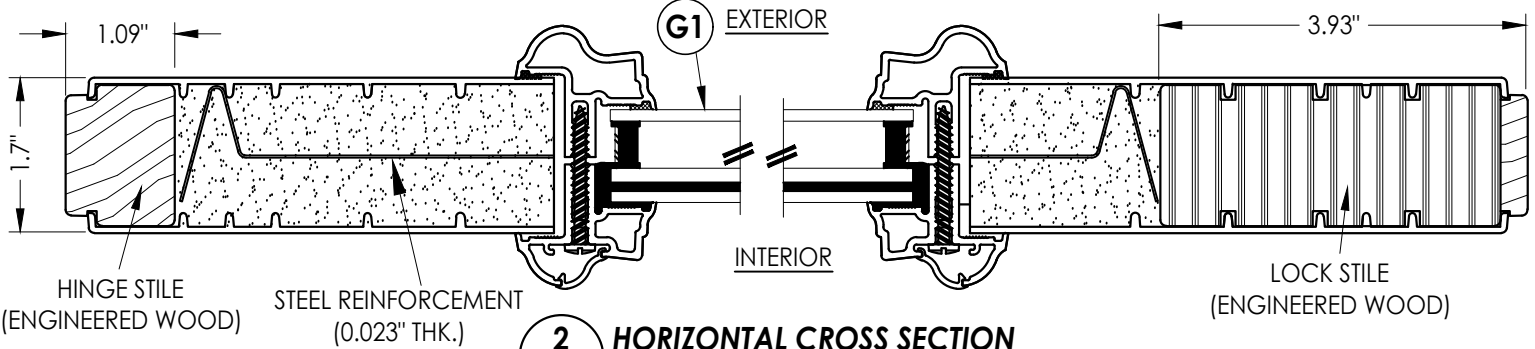
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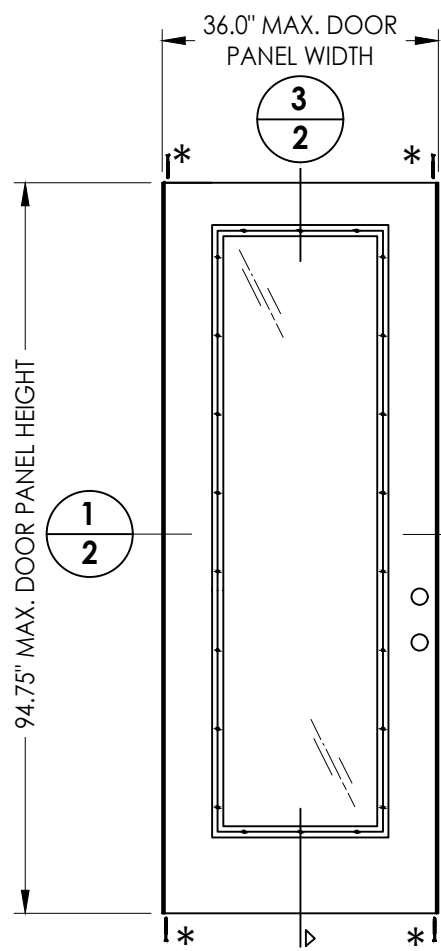
DETAIL A-A
PANEL REINFORCEMENT
(0.023\"



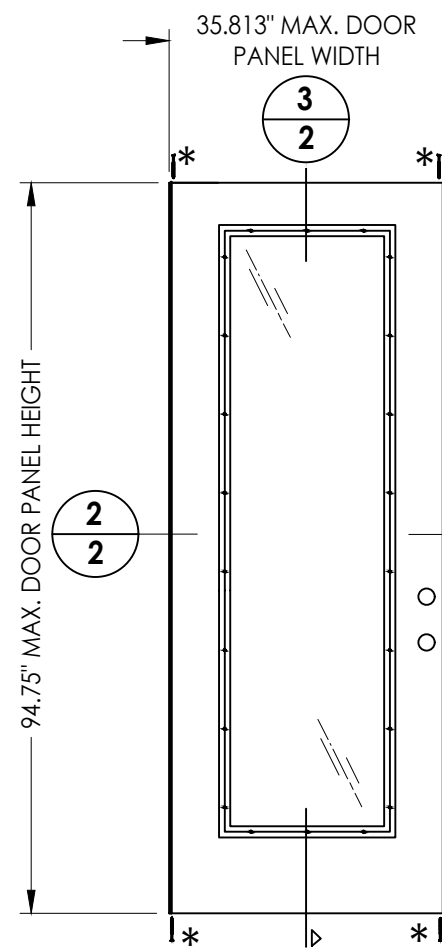
1 2 HORIZONTAL CROSS SECTION



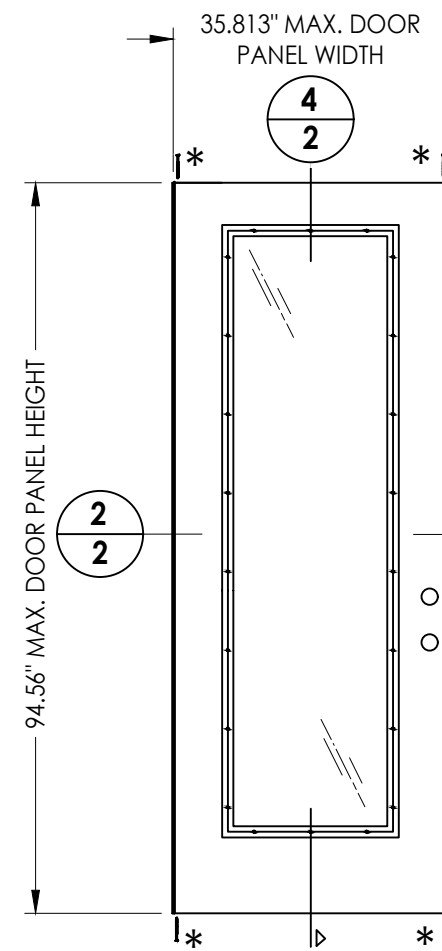
2 2 HORIZONTAL CROSS SECTION



40 DOOR PANEL
BOOK

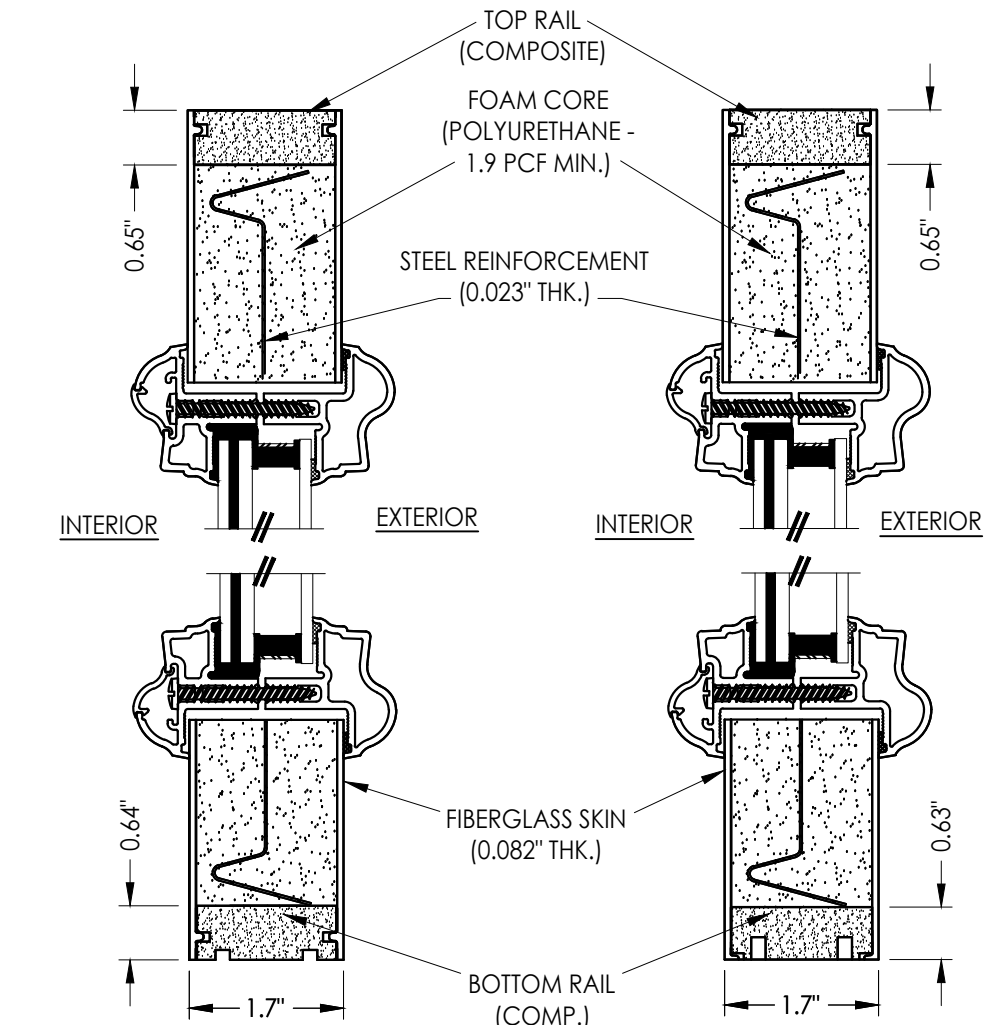


41 DOOR PANEL
Hybrid Door



42 DOOR PANEL
U1 Door

* #8 X 2.5\"



3 2 VERTICAL CROSS SECTION

4 2 VERTICAL CROSS SECTION

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

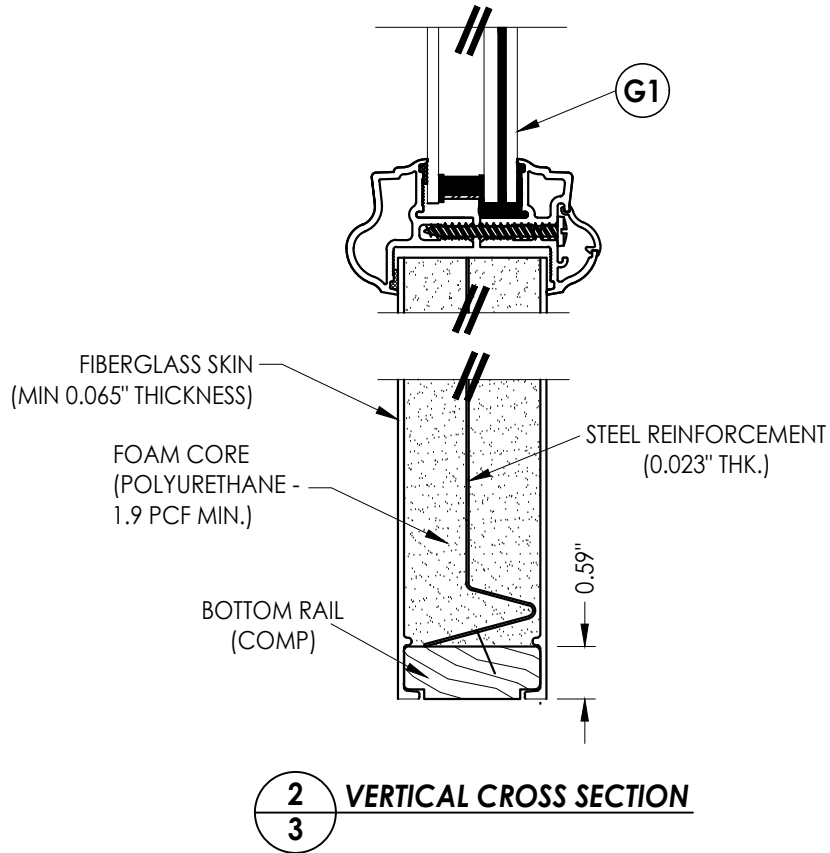
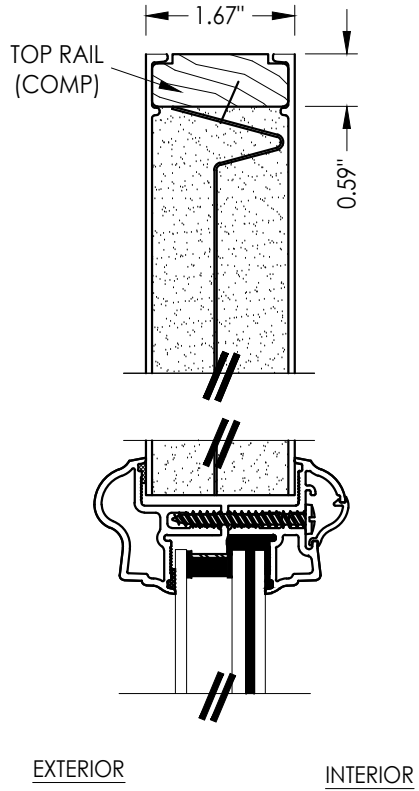
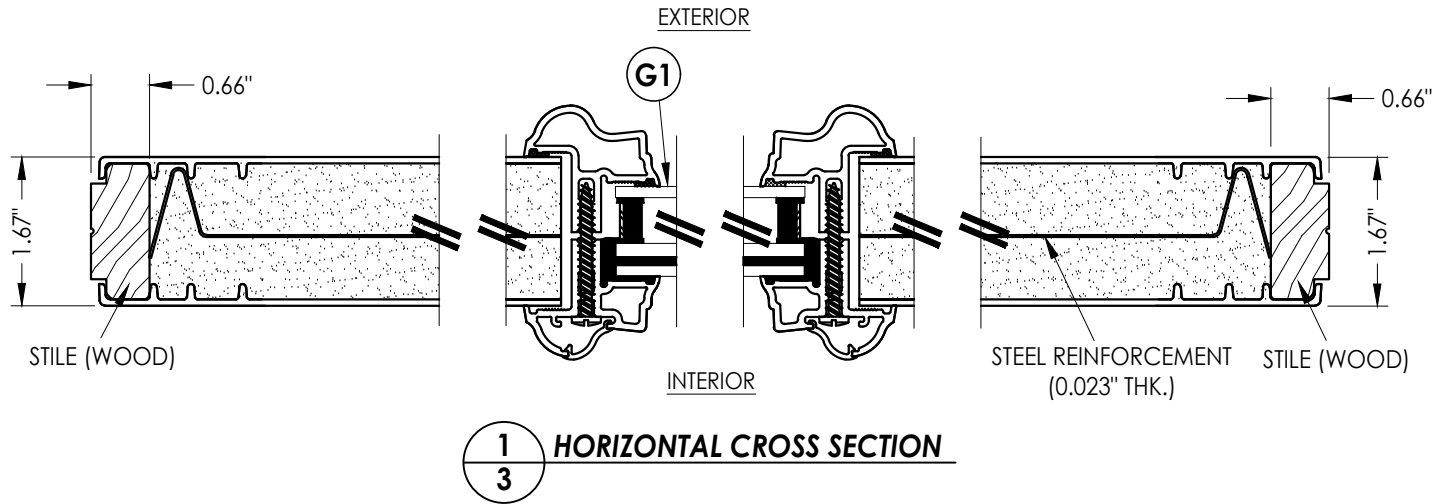
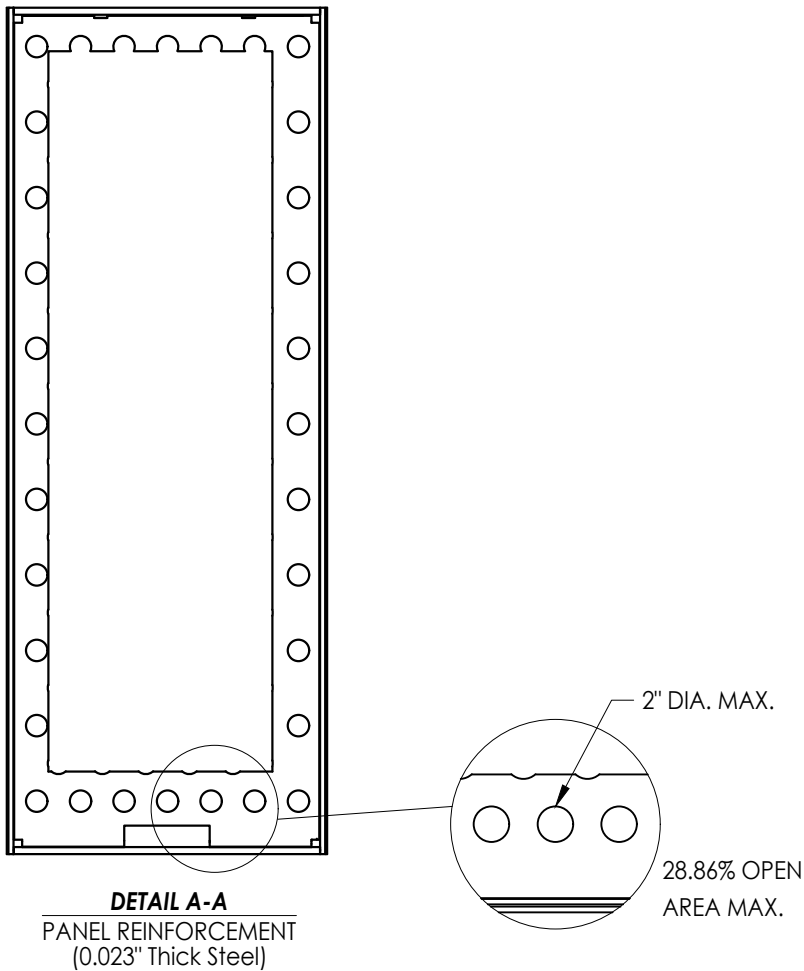
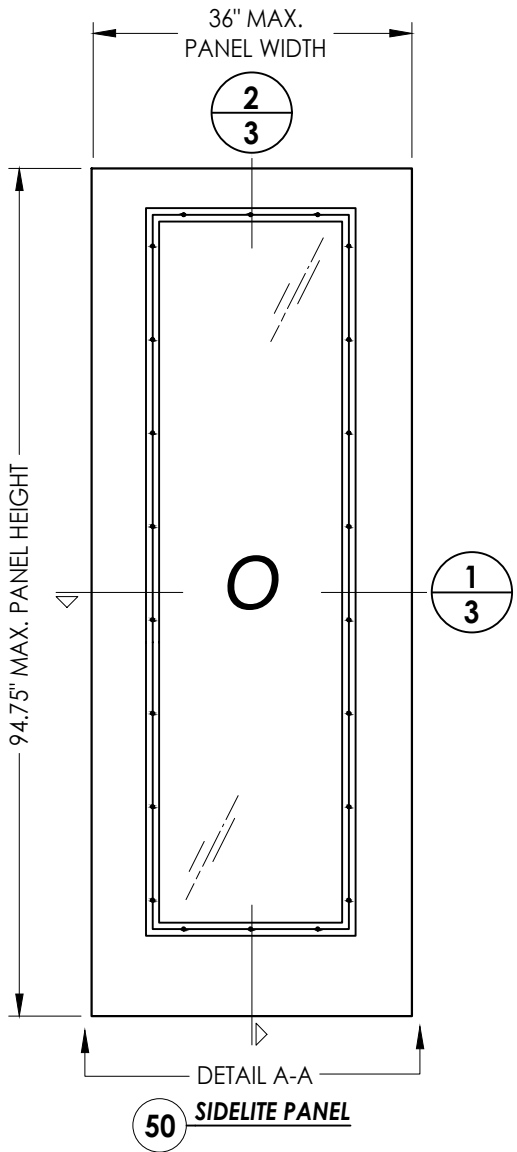
PART OR ASSEMBLY:
DOOR PANEL DETAILS

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3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
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CHK. BY: LFS
DRAWING NO.: FL-30077.12
SHEET 2 OF 14

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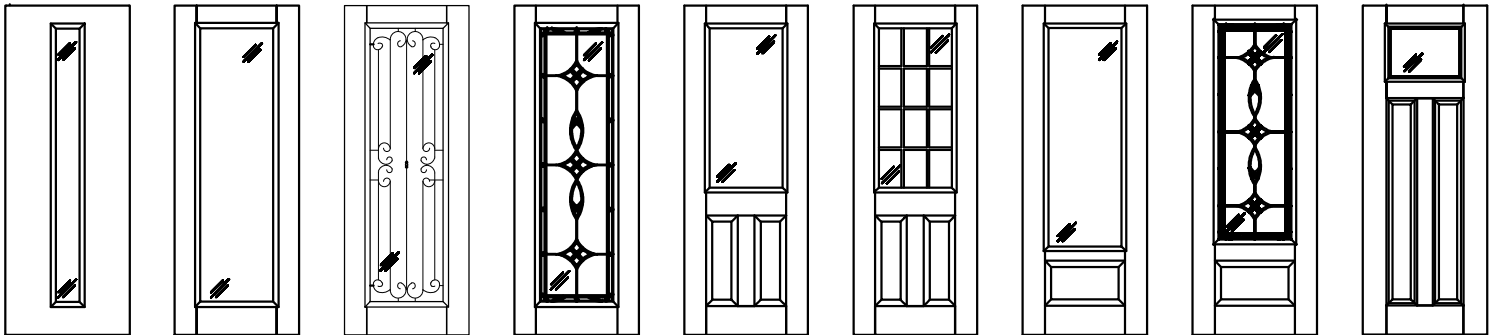
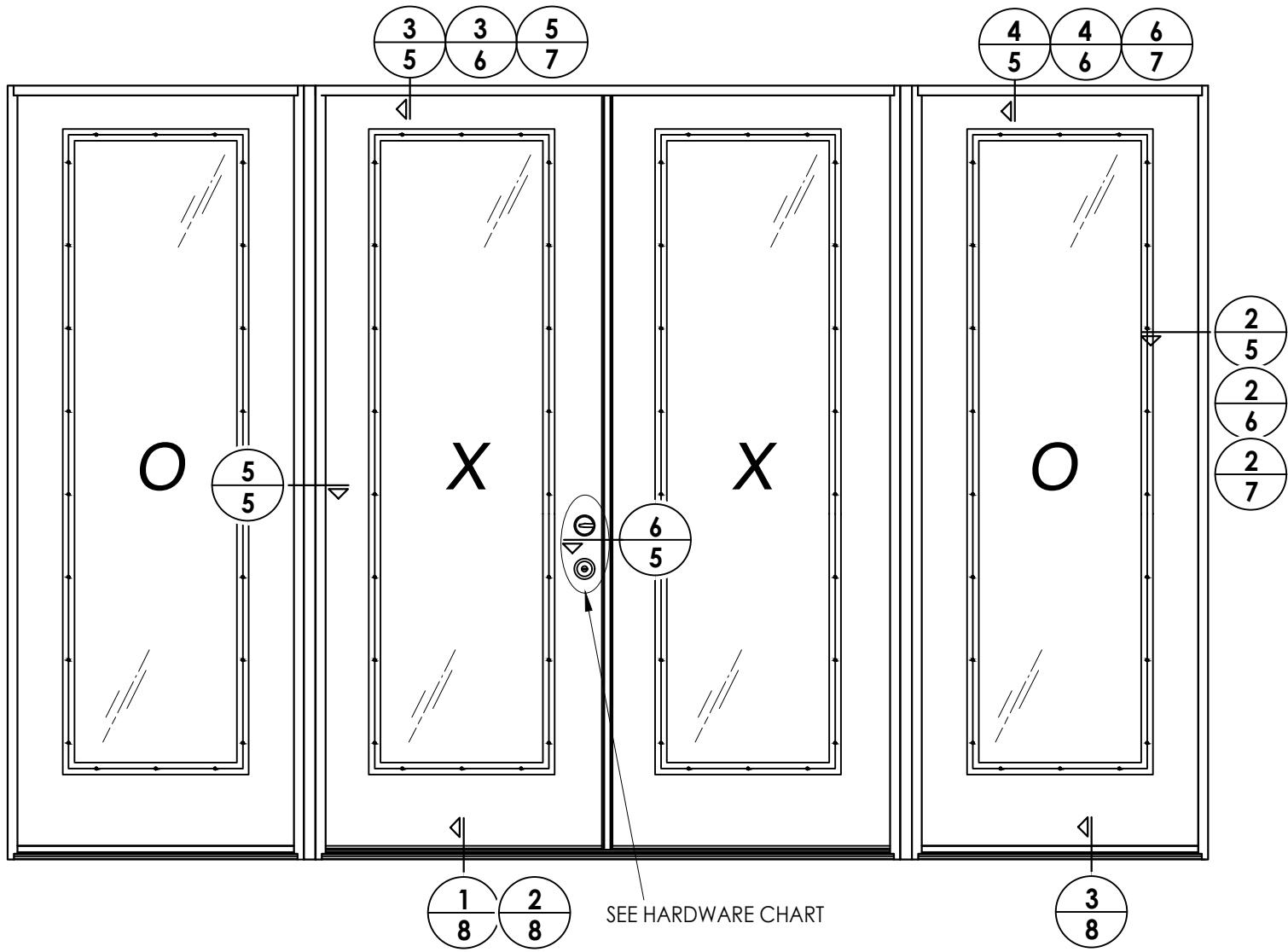
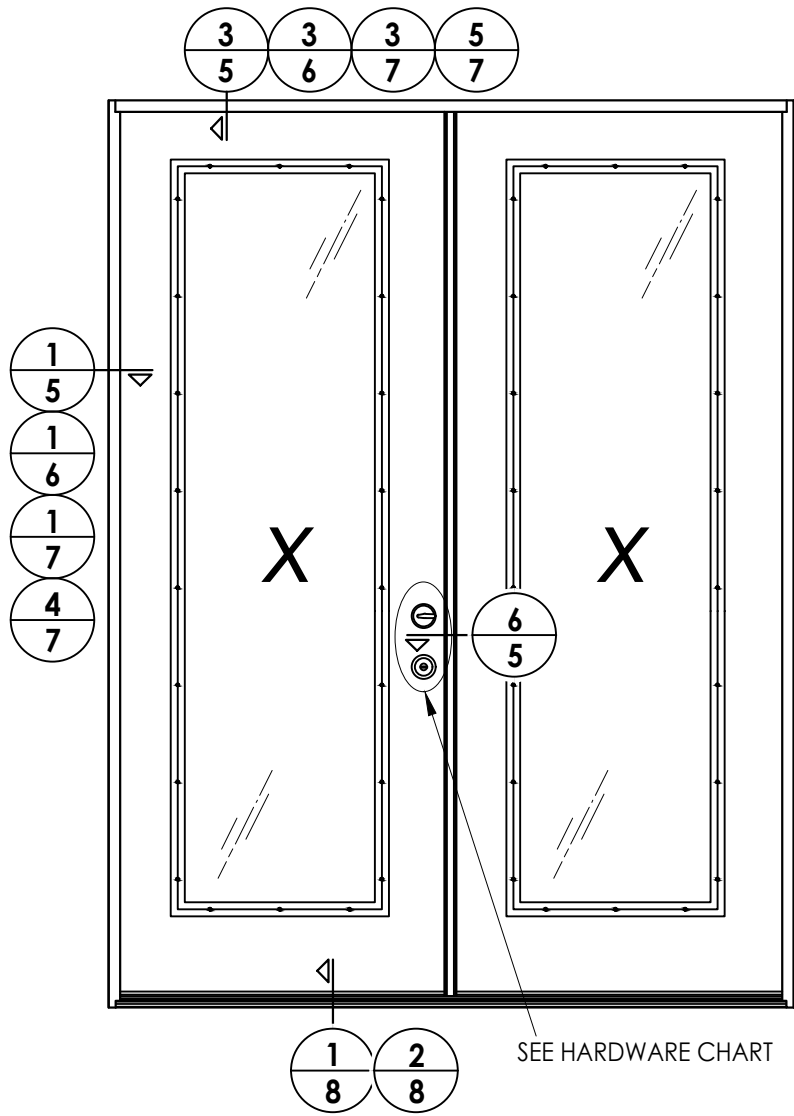
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PRODUCT:	THERMA-TRU FIBERGLASS DOOR	
	PART OR ASSEMBLY: SIDELITE PANEL DETAILS	

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

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CHK. BY:	LFS
DRAWING NO.:	FL-30077.12
SHEET	3 OF 14

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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)	

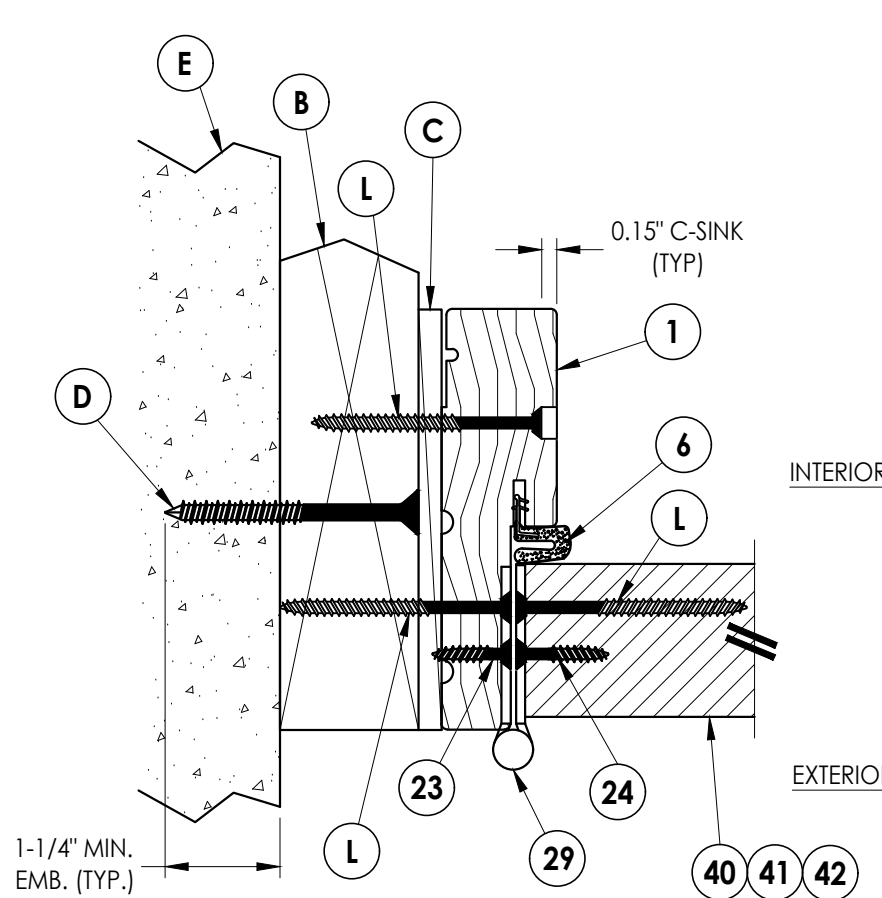
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NO.	DATE	BY	PO
3	7/01/26	UPDATE TO 9TH ED.	(2026) FBC LFS
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SHEET 4 OF 14

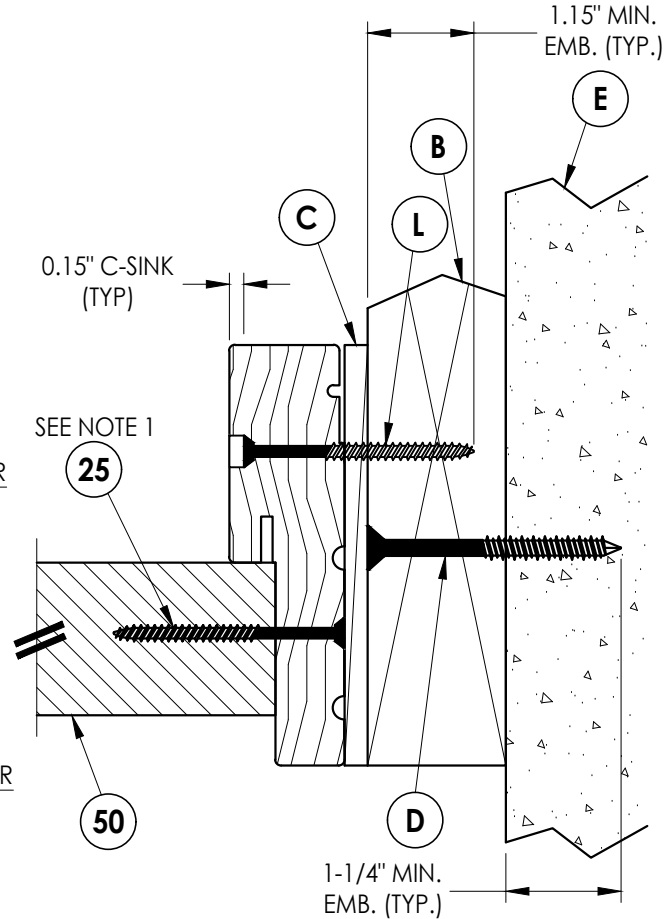
PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY: ELEVATIONS

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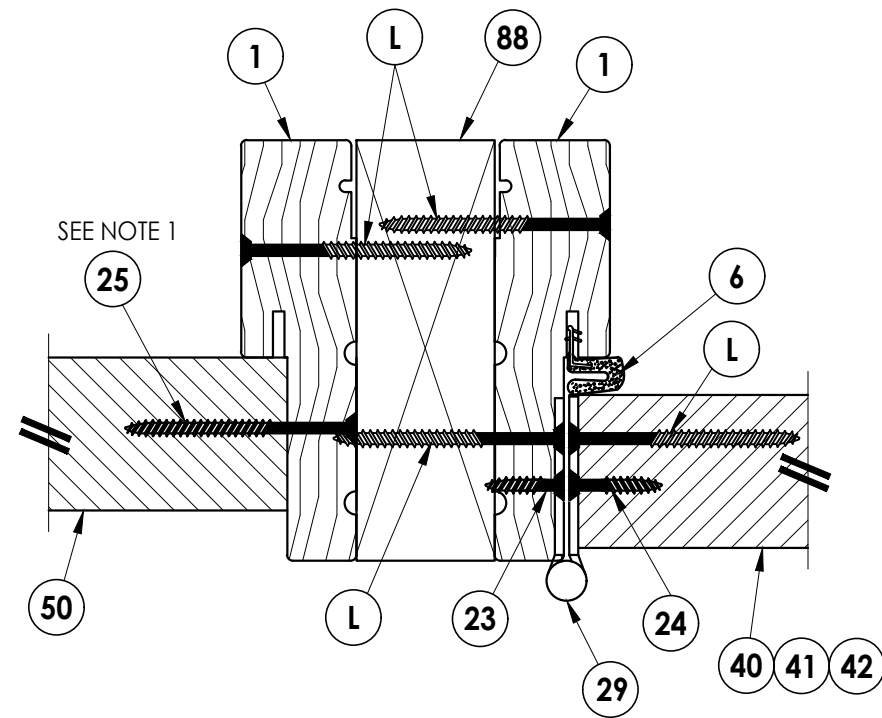
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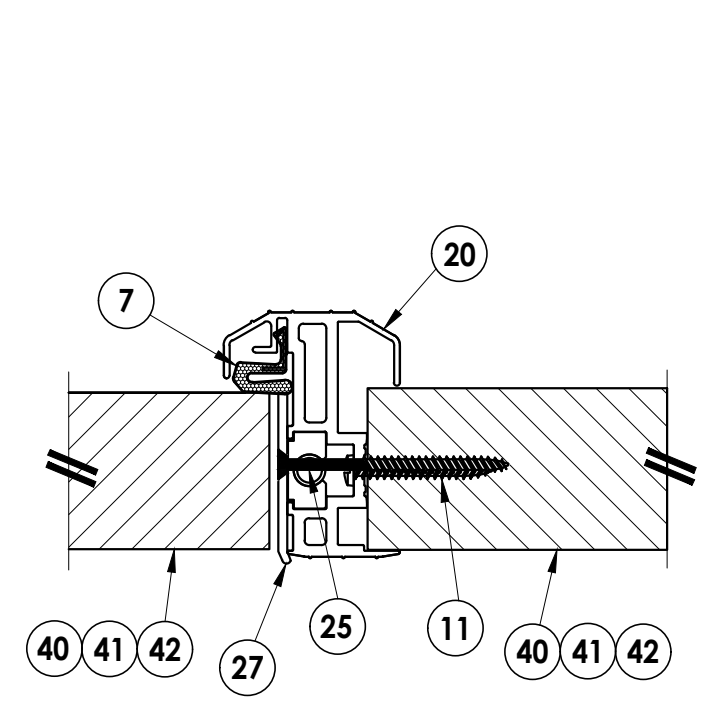
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5 HORIZONTAL CROSS SECTION



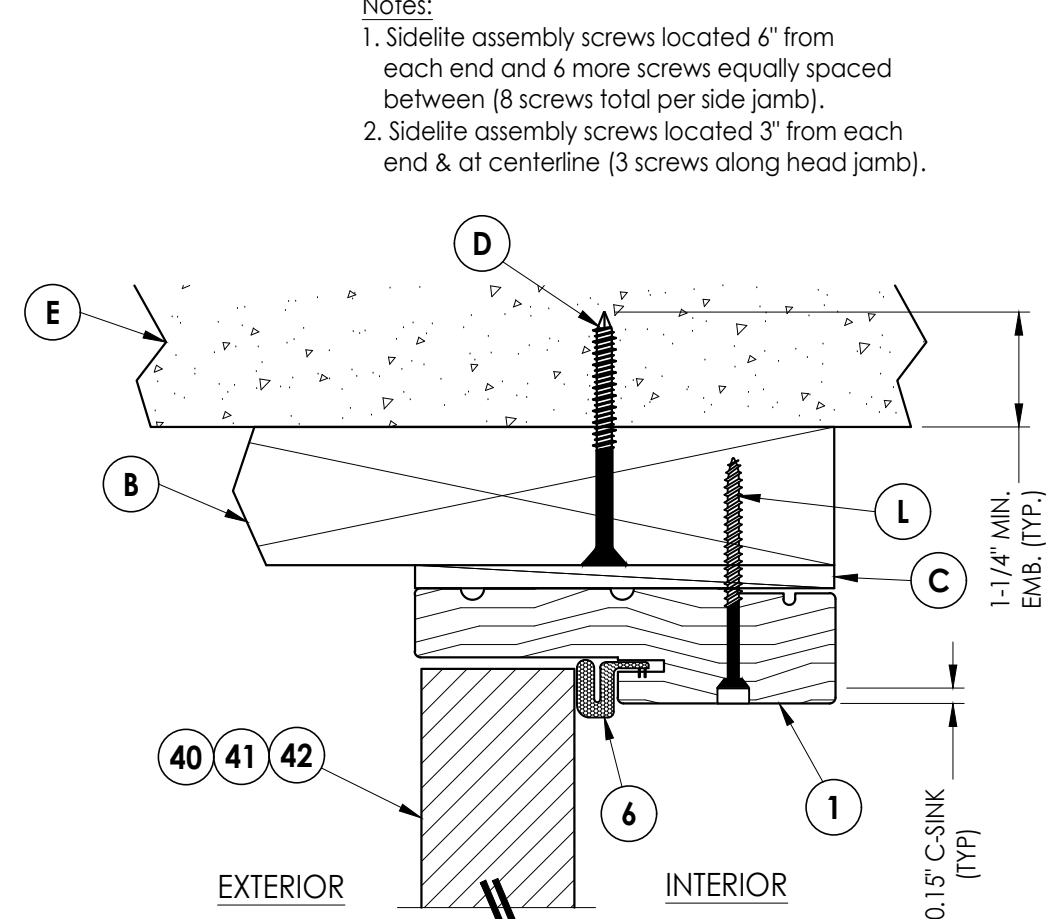
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5 HORIZONTAL CROSS SECTION



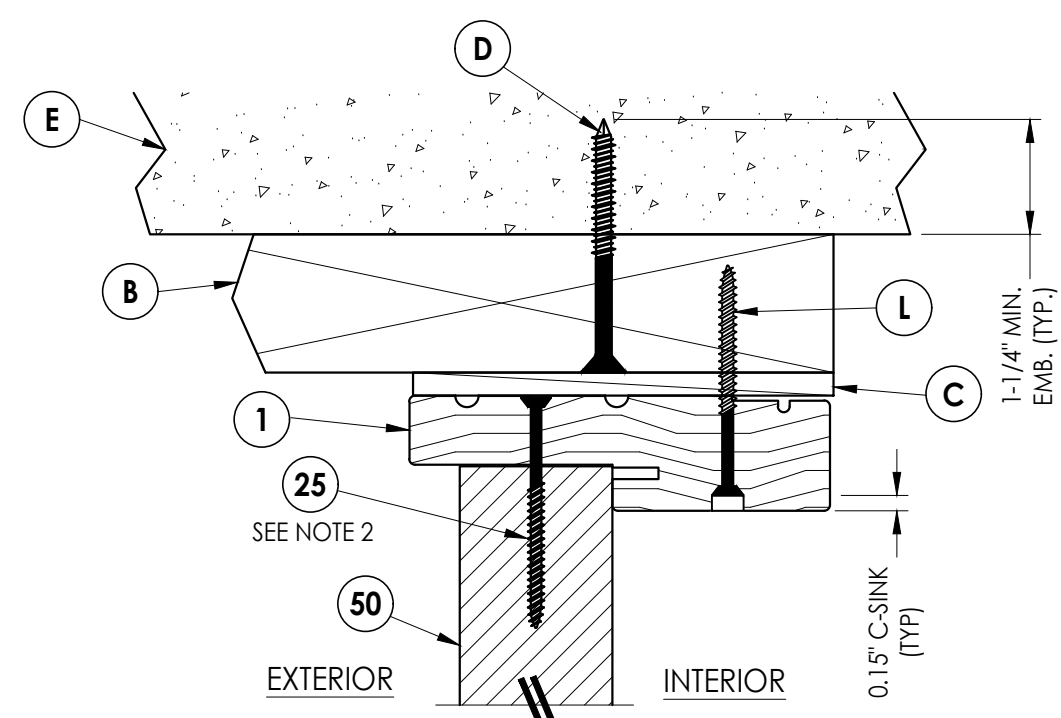
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5 HORIZONTAL CROSS SECTION



6
5 HORIZONTAL CROSS SECTION



3
5 VERTICAL CROSS SECTION



4
5 VERTICAL CROSS SECTION

- Notes:
1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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SHEET 5 OF 14

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1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).



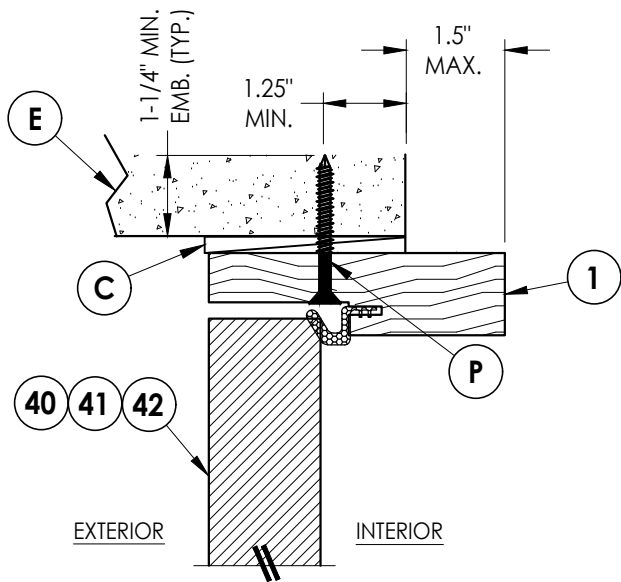
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DRAWING NO.:	FL-30077.12
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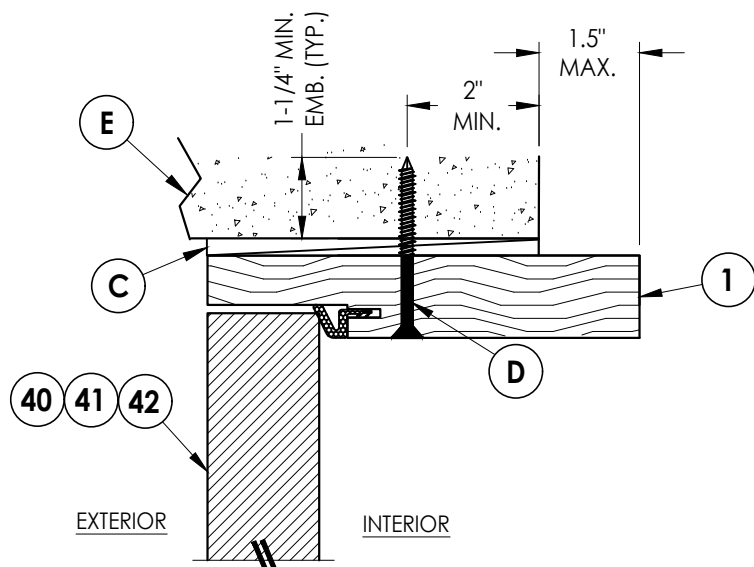
PART OR ASSEMBLY:
**HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)**

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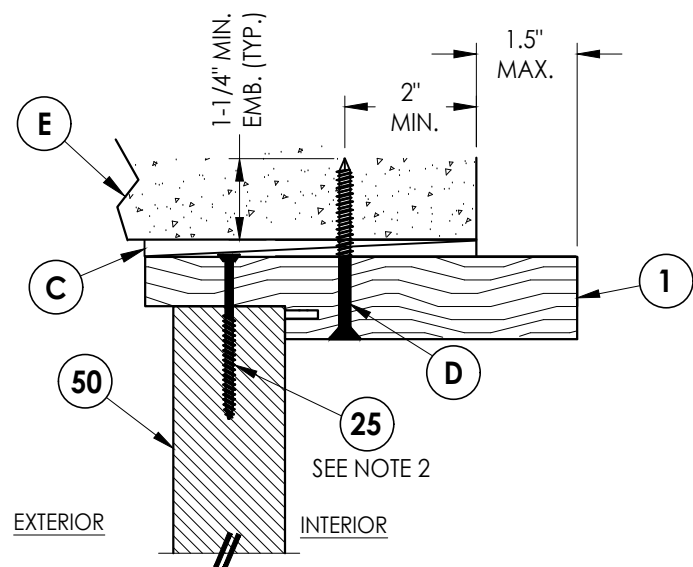
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3/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



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

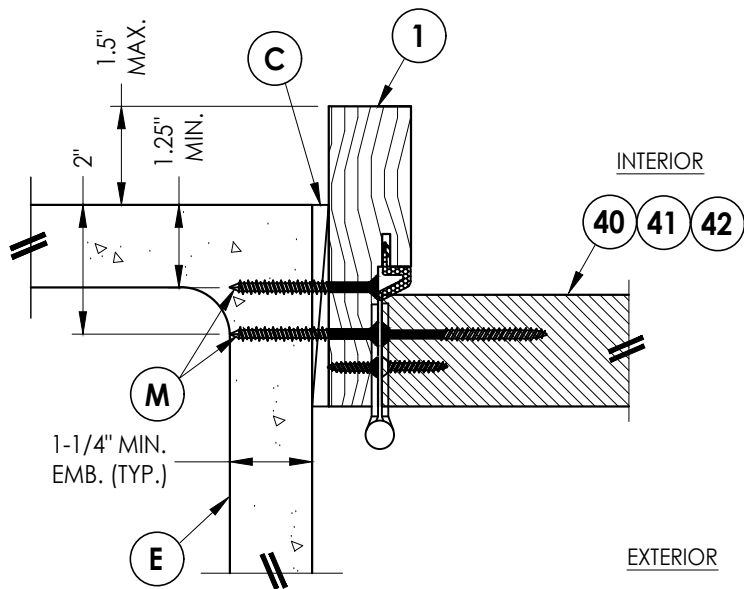


6/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
w/ 6-9/16" jamb

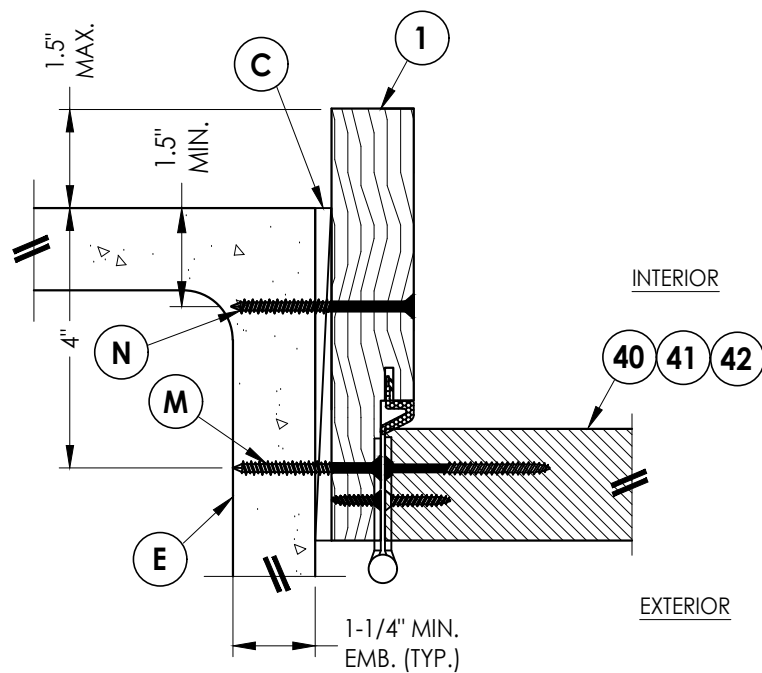
Notes:

1. Sidelite assembly screws located 6" from each end plus 6 more equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).

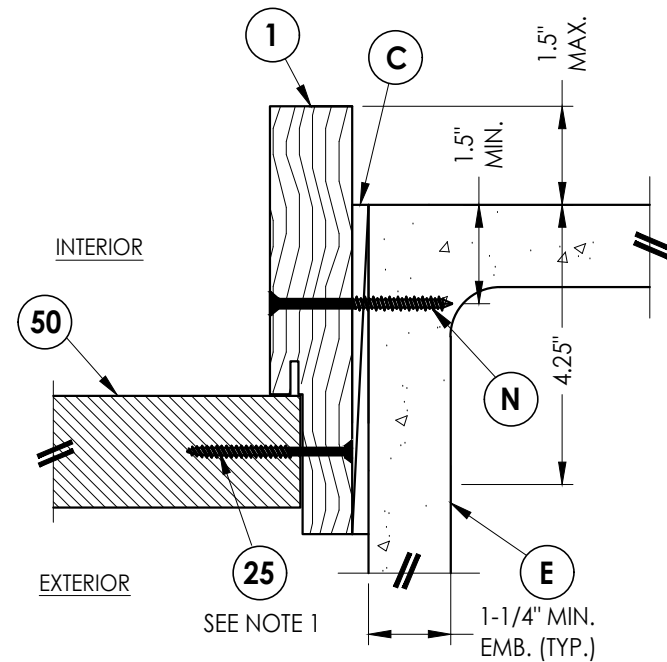
DIRECT TO MASONRY MAX. DESIGN PRESSURE:
± 47 PSF



1/7 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



4/7 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
w/ 6-9/16" jamb



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

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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

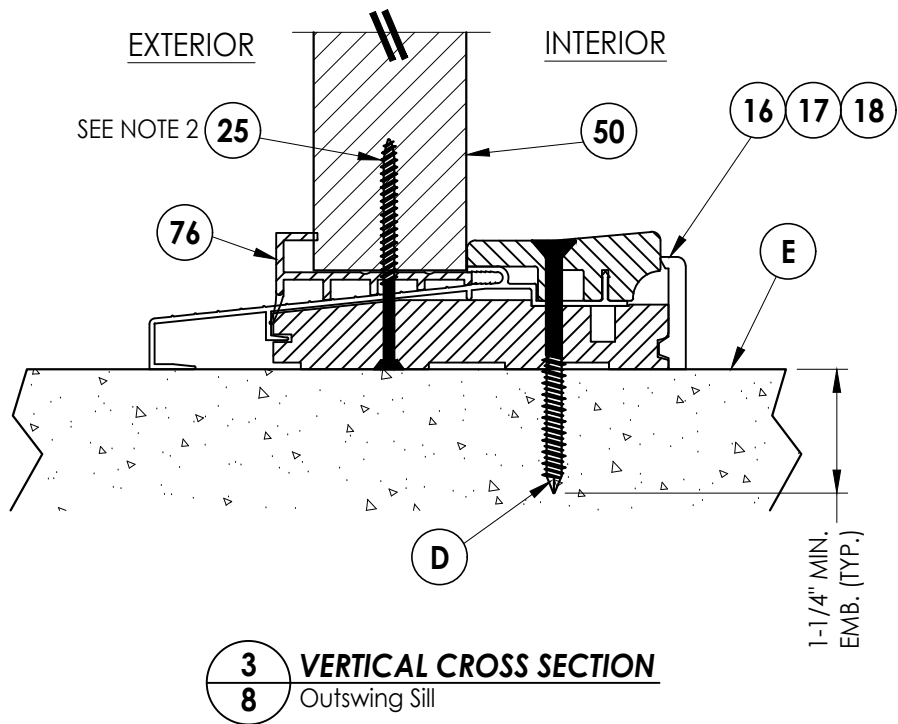
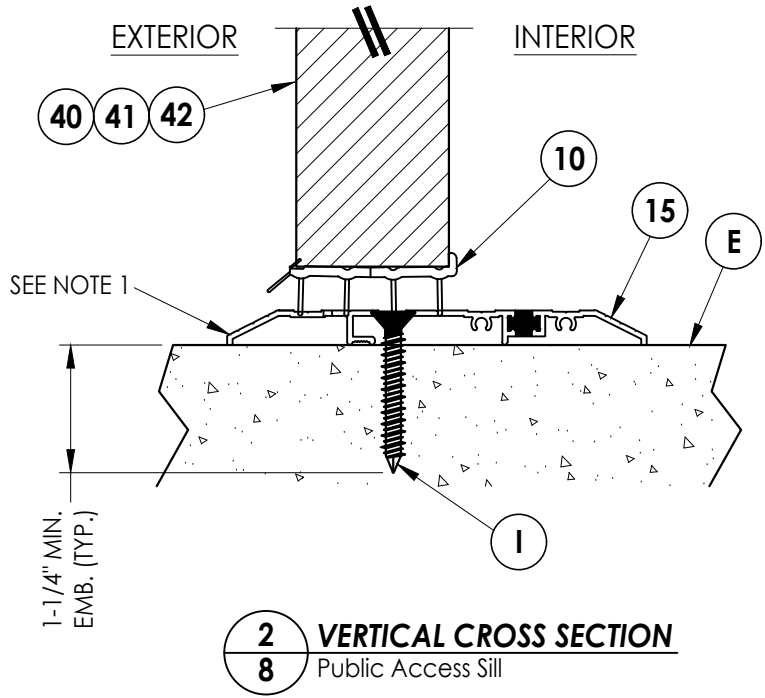
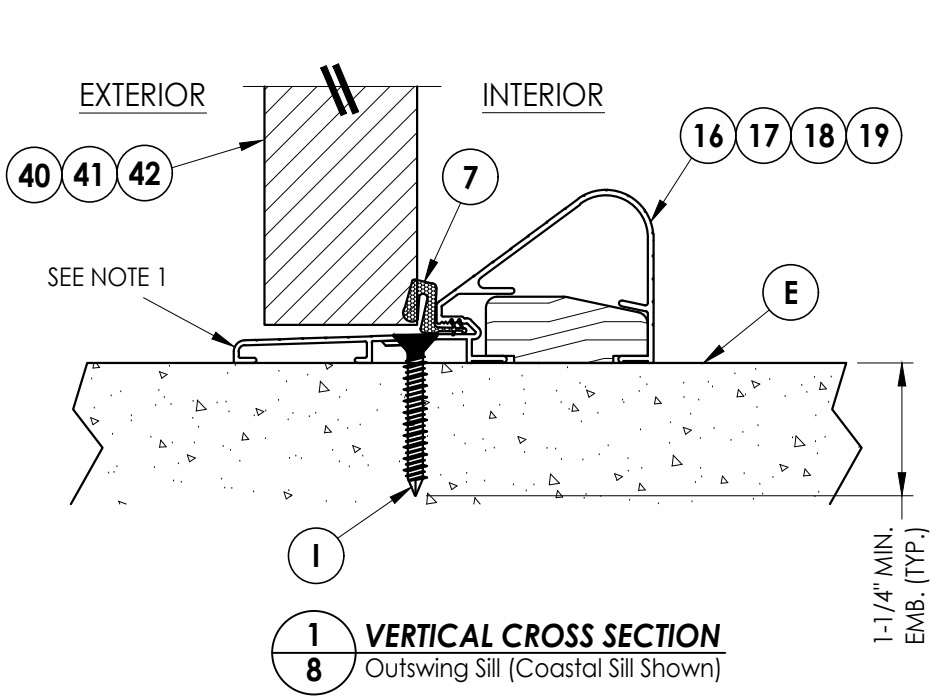
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

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3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
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DRAWING NO.: FL-30077.12
SHEET 7 OF 14

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- Notes:
- Sill Item #'s 17, 18, & 19 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item # 16 is 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 screws at each end.
 - Sidelite assembly screws located 3" from each end & at centerline (3 screws along sill).



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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS			
		BY	PO	LFS	FBC
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
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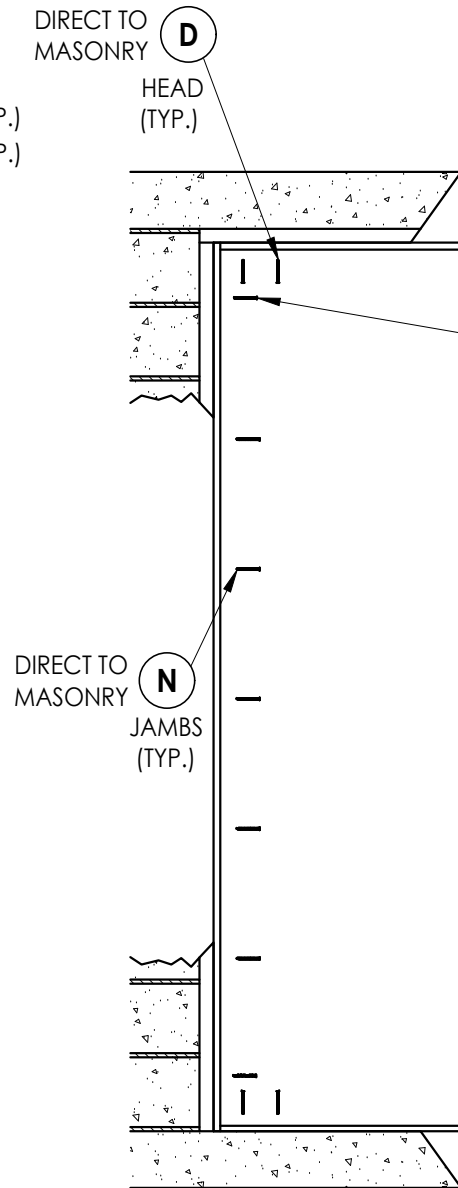
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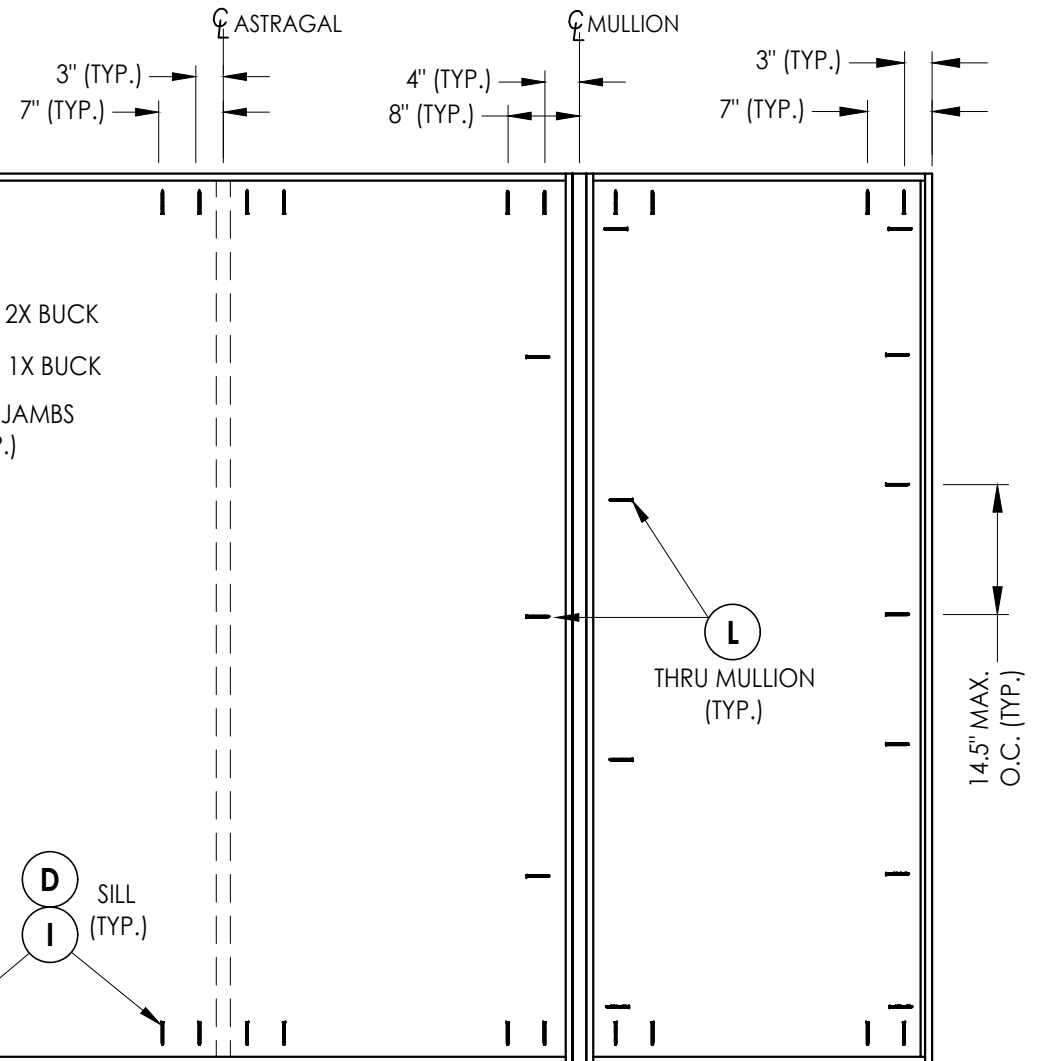
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SHEET 8 OF 14



FRAME ANCHORING



OXXO

[illegible]

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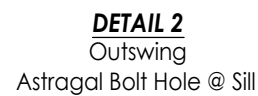
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

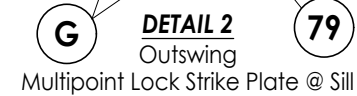
8TH ED. (2008)
7th ED (2007)

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LATCH & DEADBOLT STRIKE DETAILS



MULTIPOINT LOCK STRIKE DETAILS

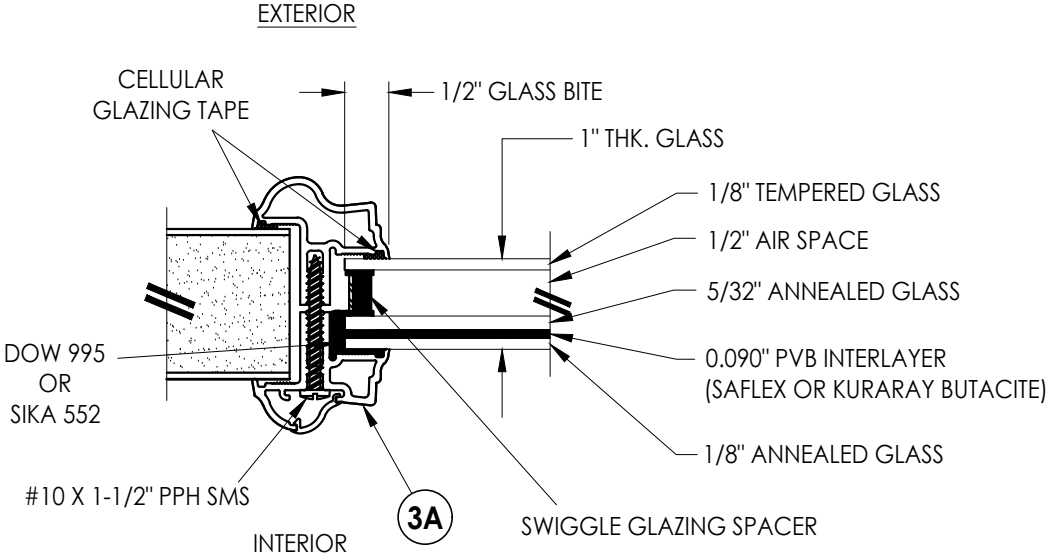
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SCALE:	N.T.S.
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CHK. BY:	LFS
DRAWING NO.:	FL-30077.12
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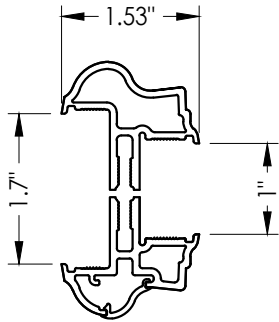
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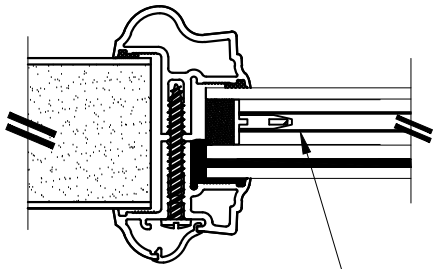
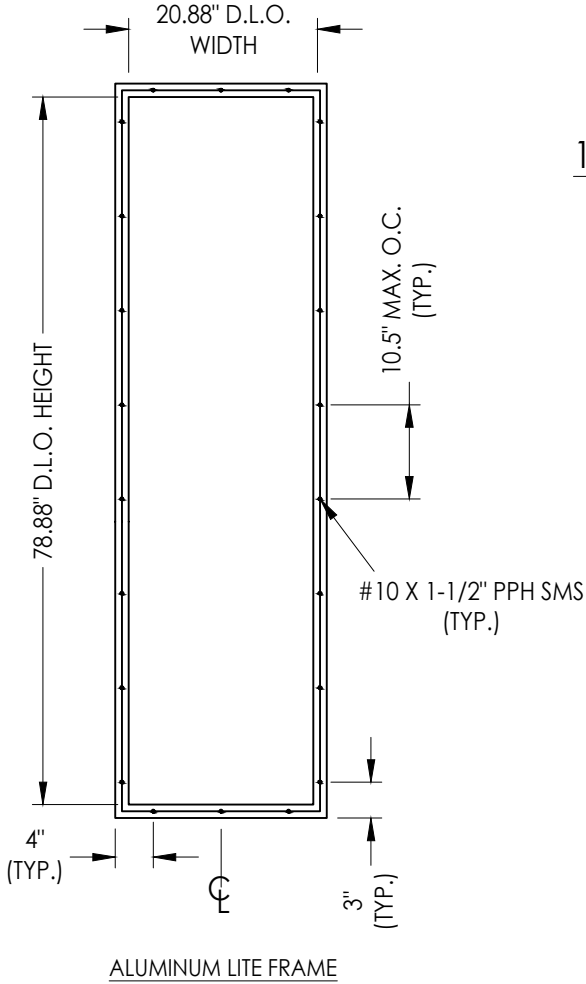
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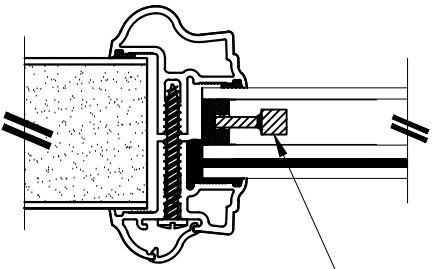
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



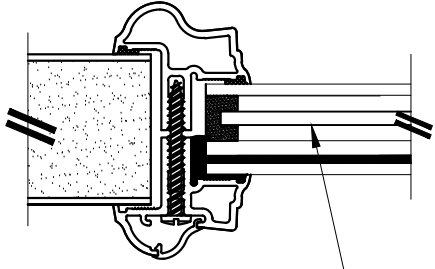
3A ALUMINUM FRAME
Aluminum Impact Lite Frame
Door Panels & Sidelites



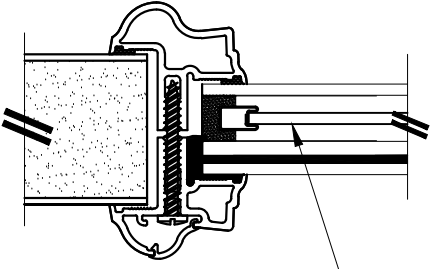
INTERNAL GRID (GBG)



WROUGHT IRON INSERT



PRIVACY INSERT



DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS

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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

GLAZING DETAILS

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

DATE: 08/12/19

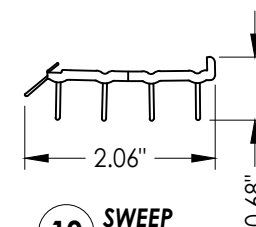
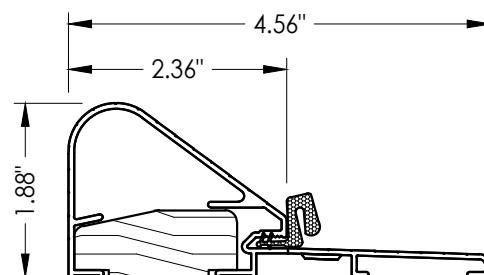
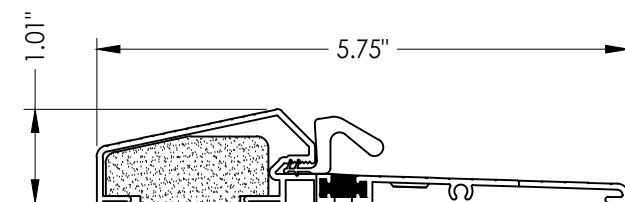
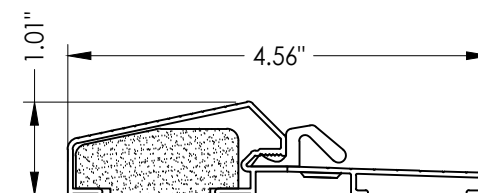
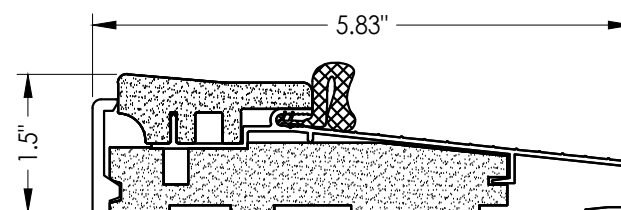
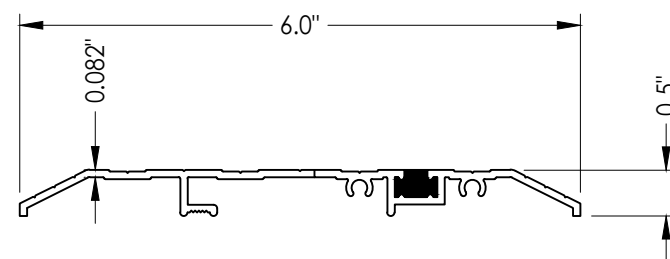
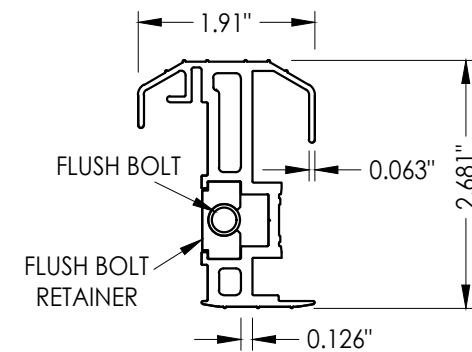
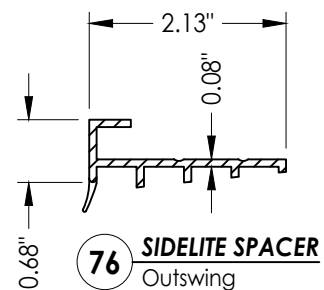
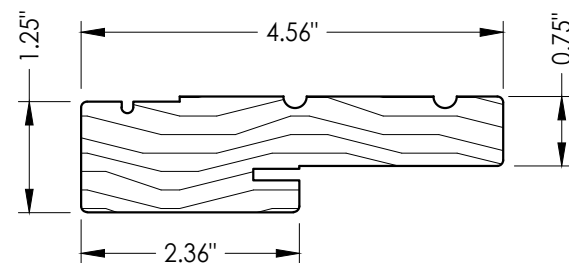
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DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-30077.12

SHEET 12 OF 14



3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	PO
NO.	DATE			BY

DATE:	08/12/19
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-30077.12
SHEET	13 OF 14

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FBPE Registry No. 9813

THERMA-TRU
FIBERGLASS DOOR

COMPONENTS

ASSEMBLY:

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 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	#10 X 2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT 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 DeWALT CONCRETE SCREW	STEEL
1	JAMB (FINGER JOINT PINE)	WOOD
6	WEATHERSTRIP (MEDIUM REACH)	FOAM
7	WEATHERSTRIP (LONG REACH)	FOAM
10	SWEEP (USE W/ PUBLIC ACCESS THRESHOLD)	VINYL
11	#10 X 1-3/4" PFH WOOD SCREW	STEEL
15	PUBLIC ACCESS THRESHOLD	ALUM
16	OUTSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP
19	COASTAL OUTSWING THRESHOLD	ALUM/WOOD
20	COASTAL ALUMINUM ASTRAGAL	ALUM
23	#10 X 3/4" PFH WOOD SCREW	STEEL
24	#10 X 1" PFH WOOD SCREW	STEEL

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
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
29	4" X 4" HINGE	STEEL
30	LATCH & DEADBOLT STRIKE PLATE	STEEL
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE (FULL LITE)	-
76	SIDELITE SPACER (OUTSWING)	PVC
78	MULTIPOINT LOCK STRIKE PLATE @ HEAD	STEEL
79	MULTIPOINT LOCK STRIKE PLATE @ SILL	STEEL
80	ASTRAGAL STRIKE PLATE	STEEL
88	2X MULLION (SG >= 0.55)	WOOD

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

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 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.

[illegible]