

THERMA-TRU®
DOORS

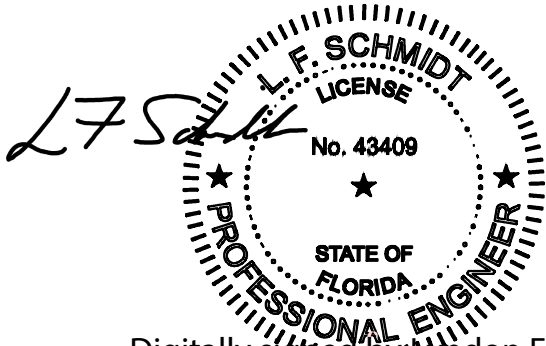
Fiber-Classic® & Smooth-Star®

CUT DOWN WOOD EDGE
GLAZED FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
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 #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.

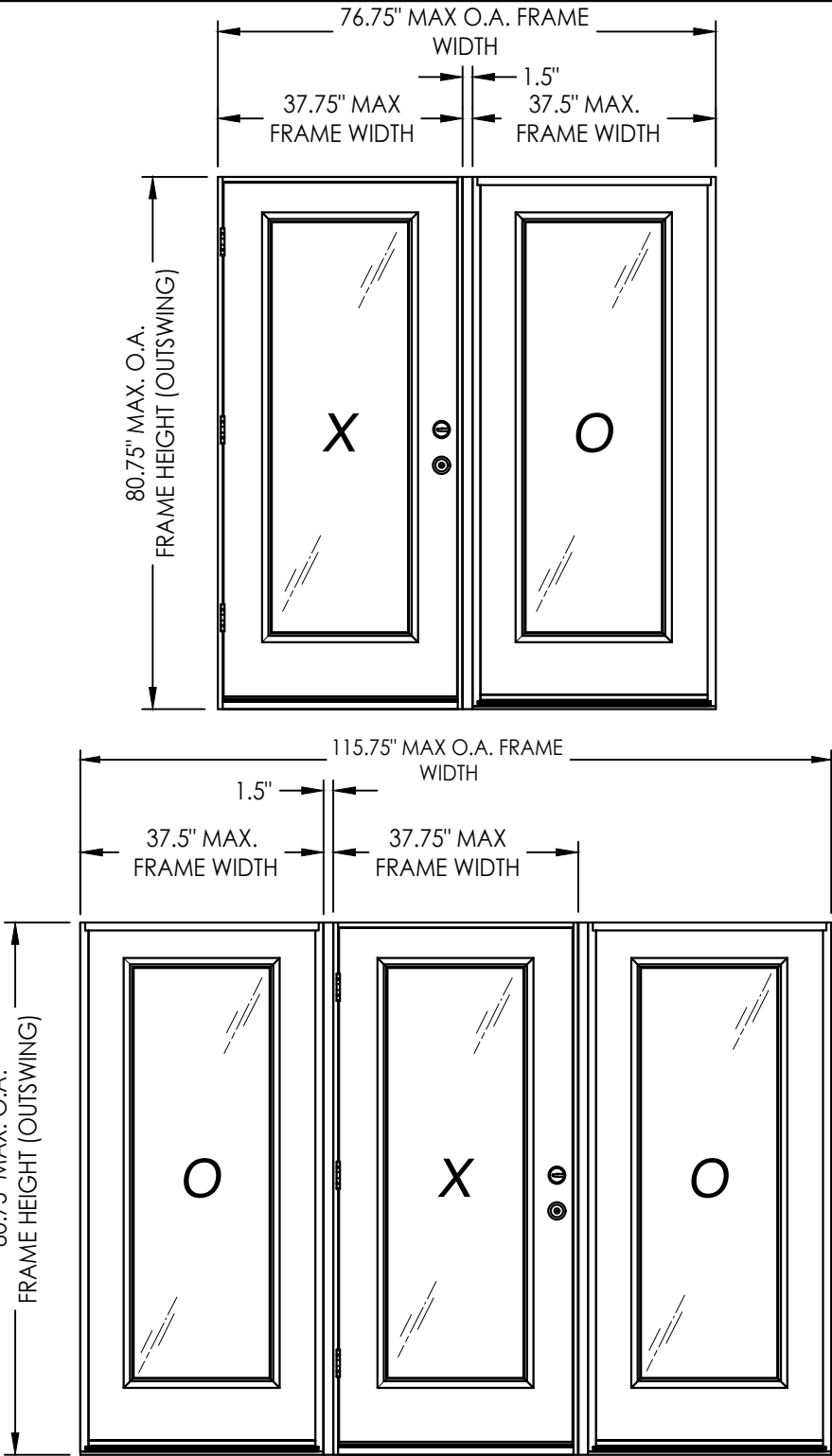
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2	Door Panel Details	9	Buck Anchoring
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5	Horizontal & Vertical Cross Sections (2X Buck)	12	Glazing Details
6	Horizontal & Vertical Cross Sections (1X Buck)	13	Components
7	Horizontal & Vertical Cross Sections (Direct to Masonry)	14	Bill of Materials



Digitally signed by Lyndon F Schmidt
Date: 2023.08.18 09:25:03 -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

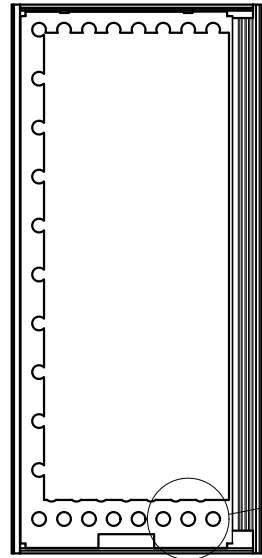


CONFIGURATION	DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE
XO, OX, OXO	+55.0	-55.0

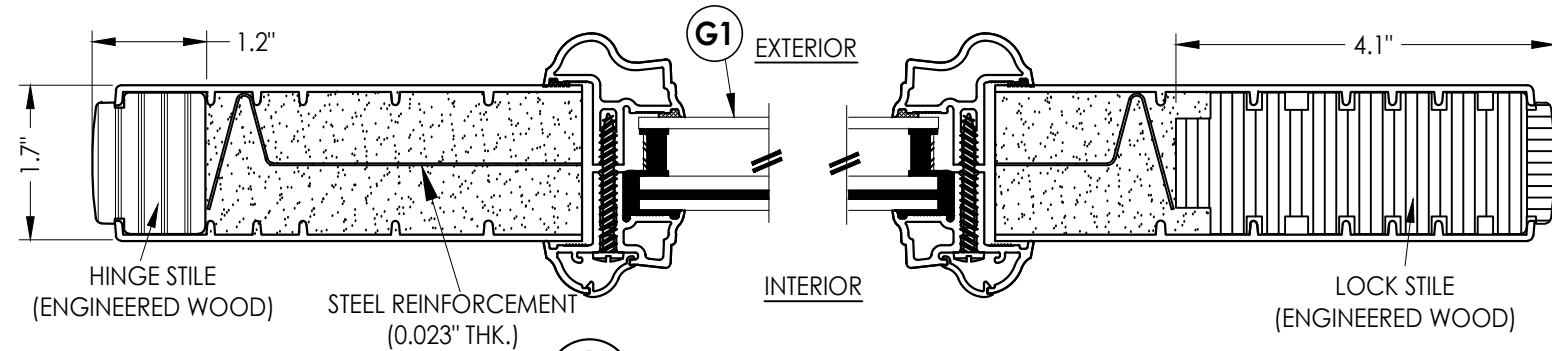
See Sheet 4 for Hardware Specifications

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	

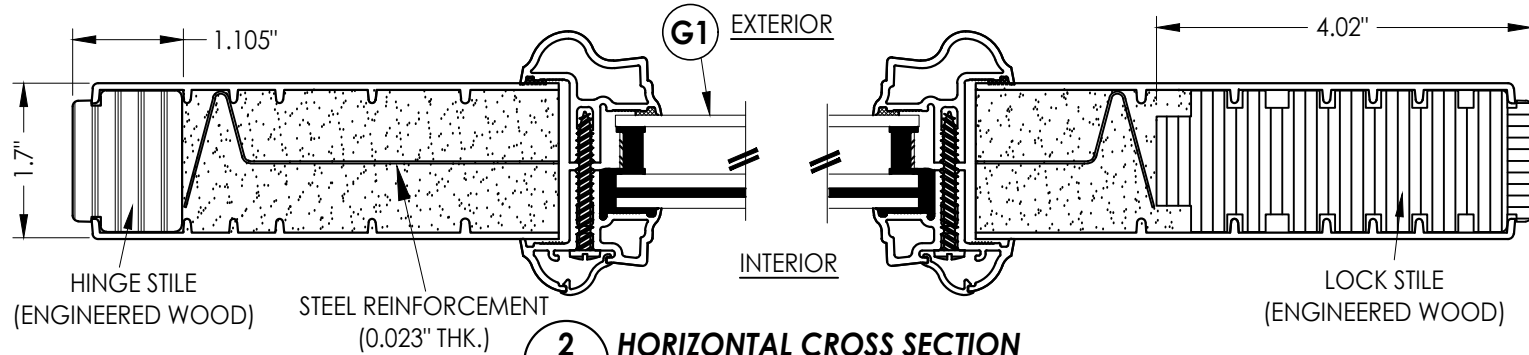
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DETAIL A-A
PANEL REINFORCEMENT
(0.023" Thick Steel)

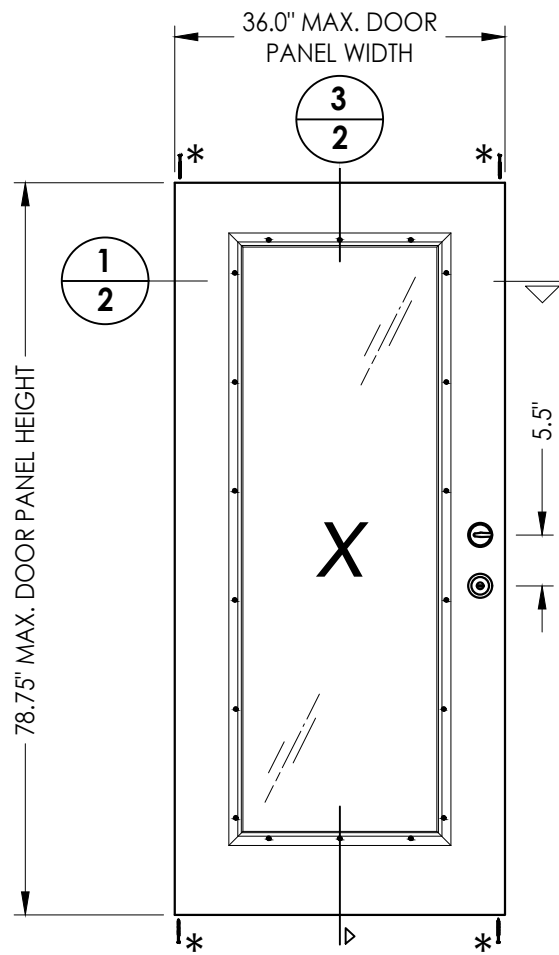


1 2 HORIZONTAL CROSS SECTION

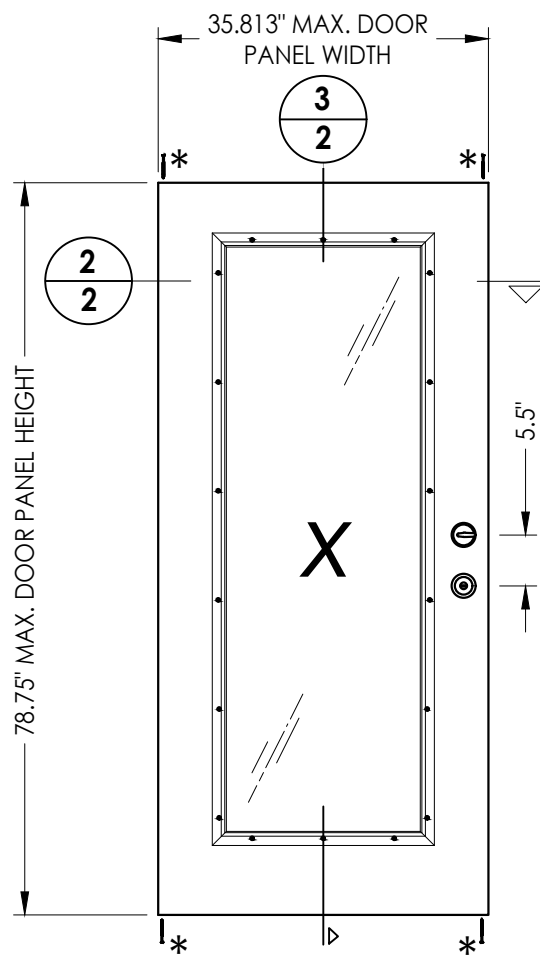


2 2 HORIZONTAL CROSS SECTION

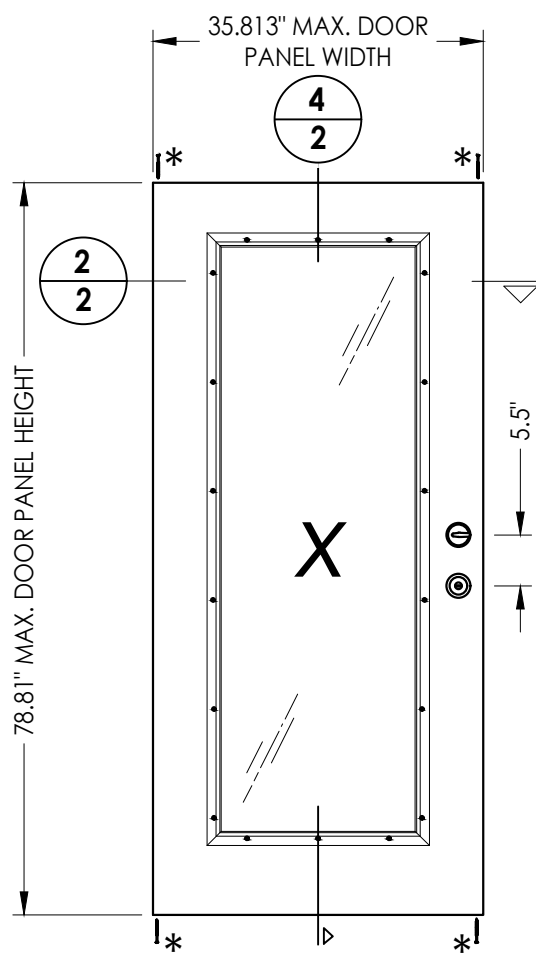
* #8 X 2.5" PFH WS (TYP. @ EACH DOOR CORNER)



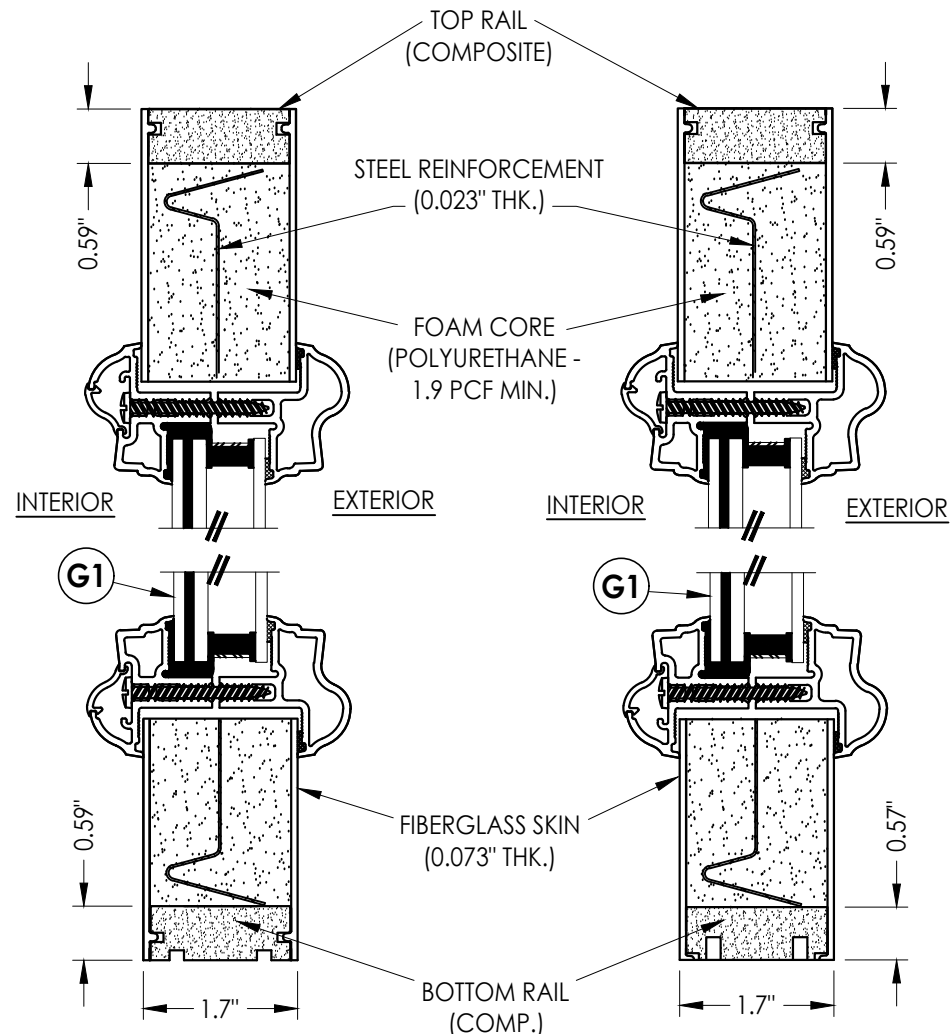
40 DOOR PANEL
BOOK



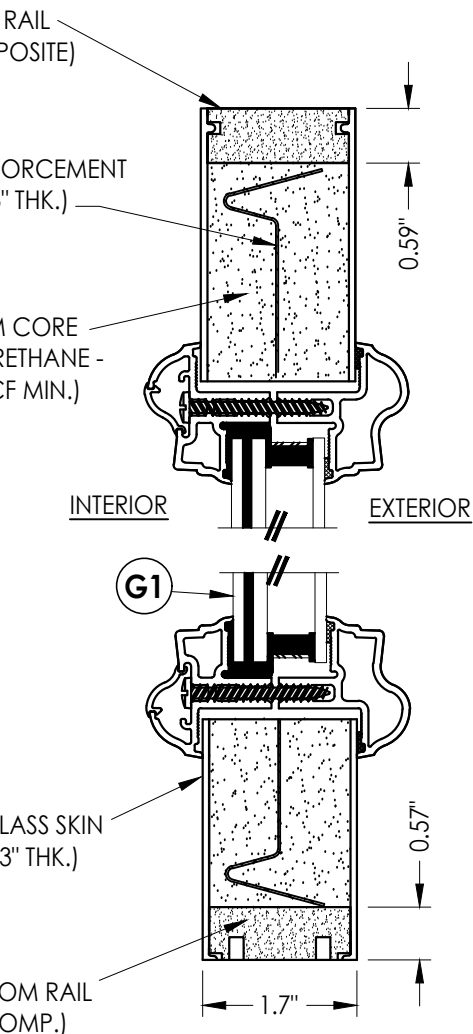
41 DOOR PANEL
Hybrid Door



42 DOOR PANEL
U1 Door



3 2 VERTICAL CROSS SECTION



4 2 VERTICAL CROSS SECTION

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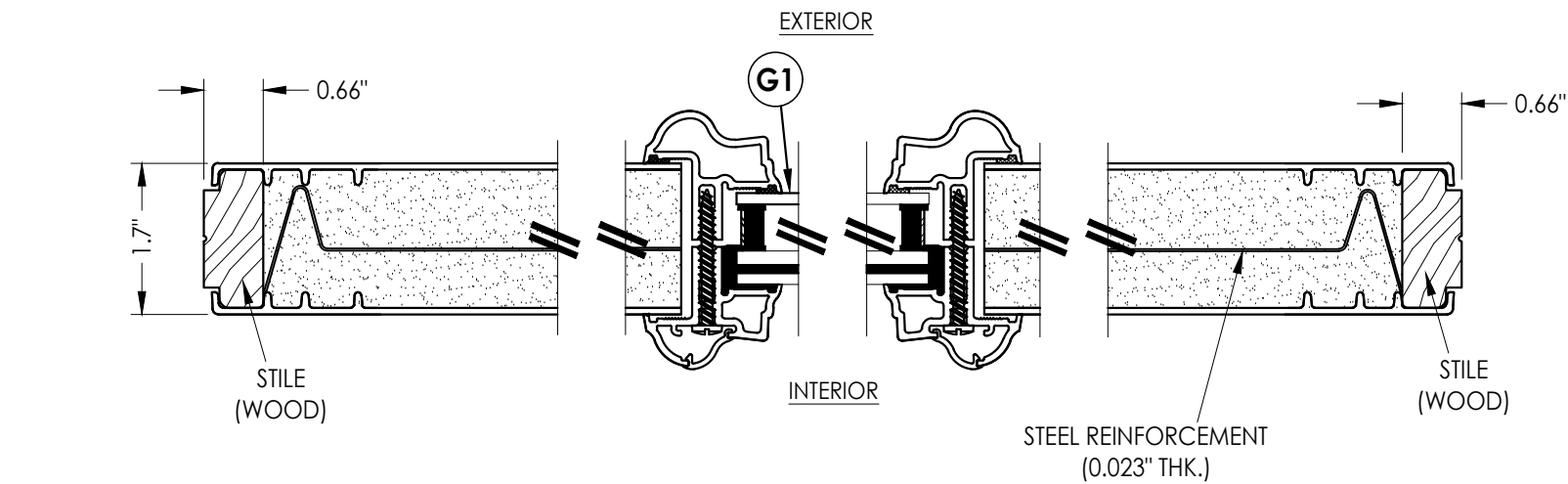
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

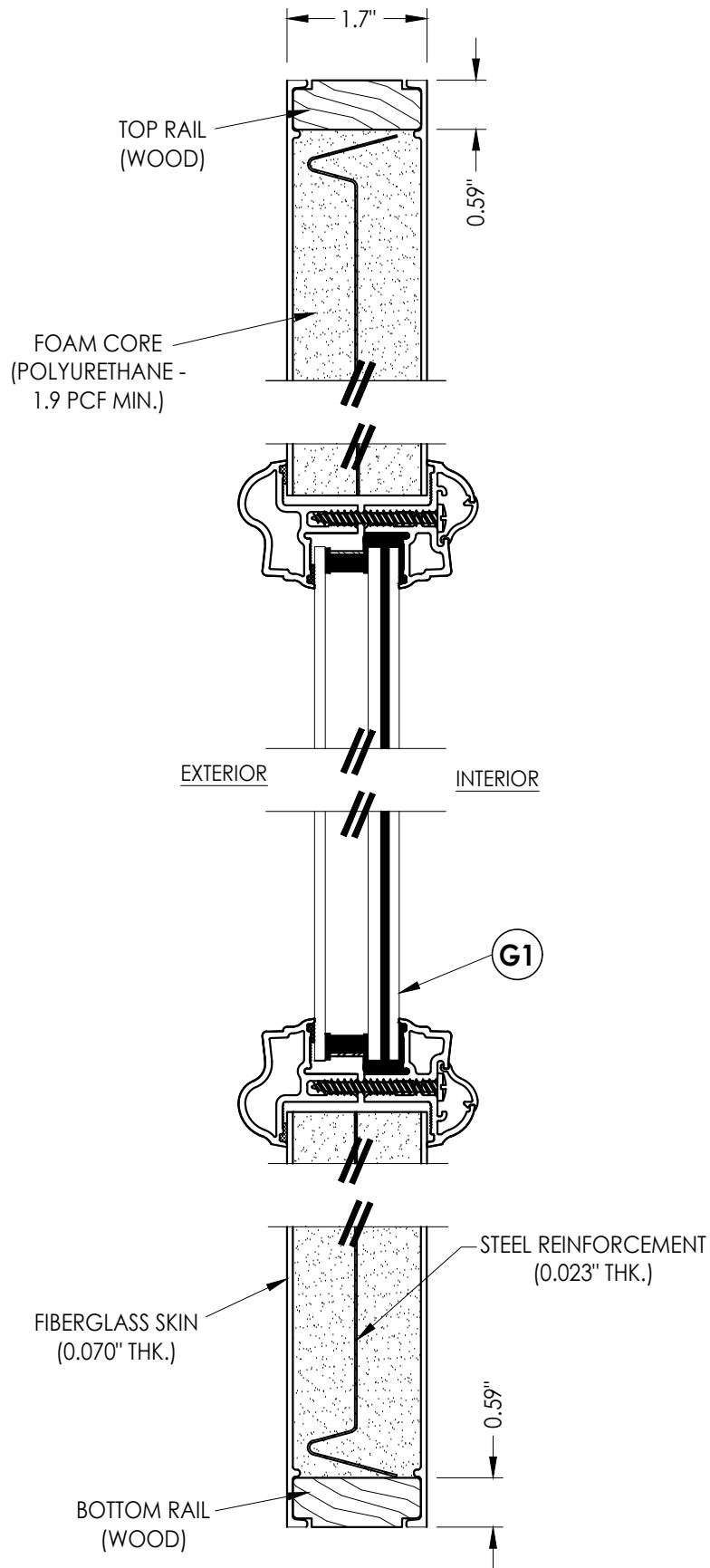
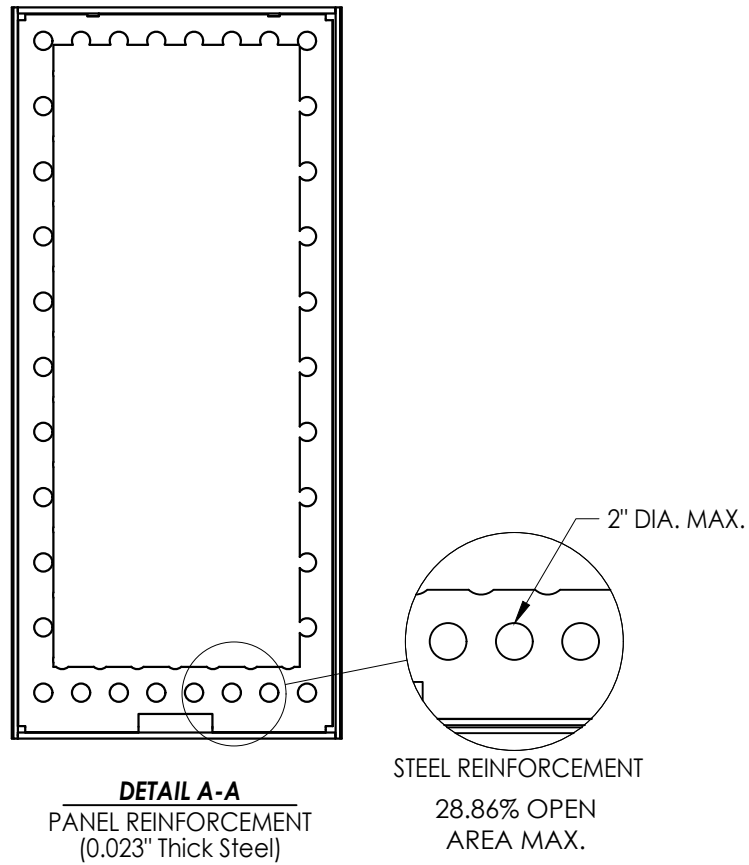
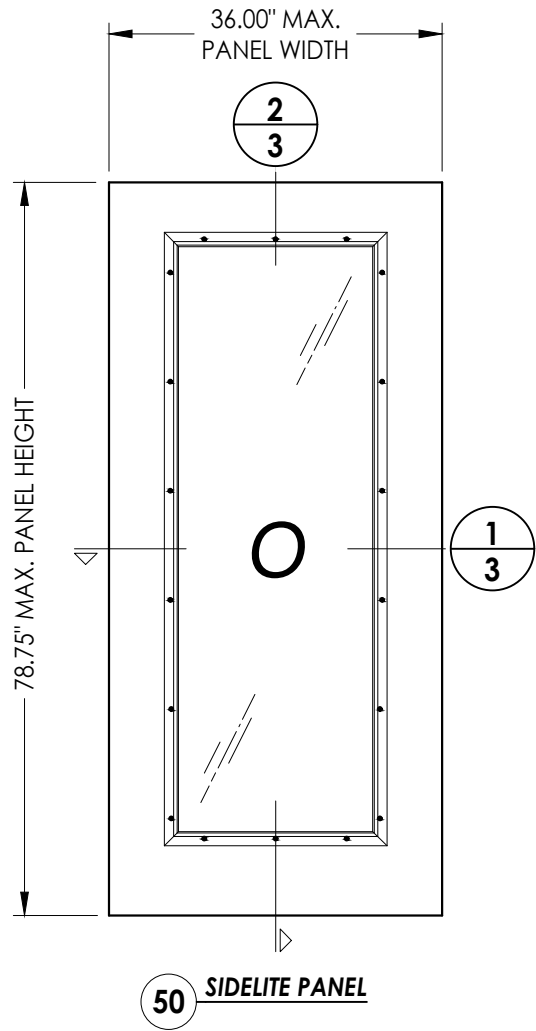
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SHEET 2 OF 14

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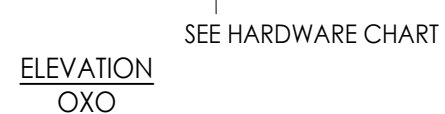


1
3 **HORIZONTAL CROSS SECTION**



2
3 **VERTICAL CROSS SECTION**

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: SIDELITE PANEL DETAILS					
				LFS	FBC	UPDATE TO 8TH ED. (2023)	
				PO	FBC	UPDATE TO 7th ED (2020)	
				NO.	DATE		
				REVISIONS			
DATE: 08/12/19							
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SHEET 3 OF 14							



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)

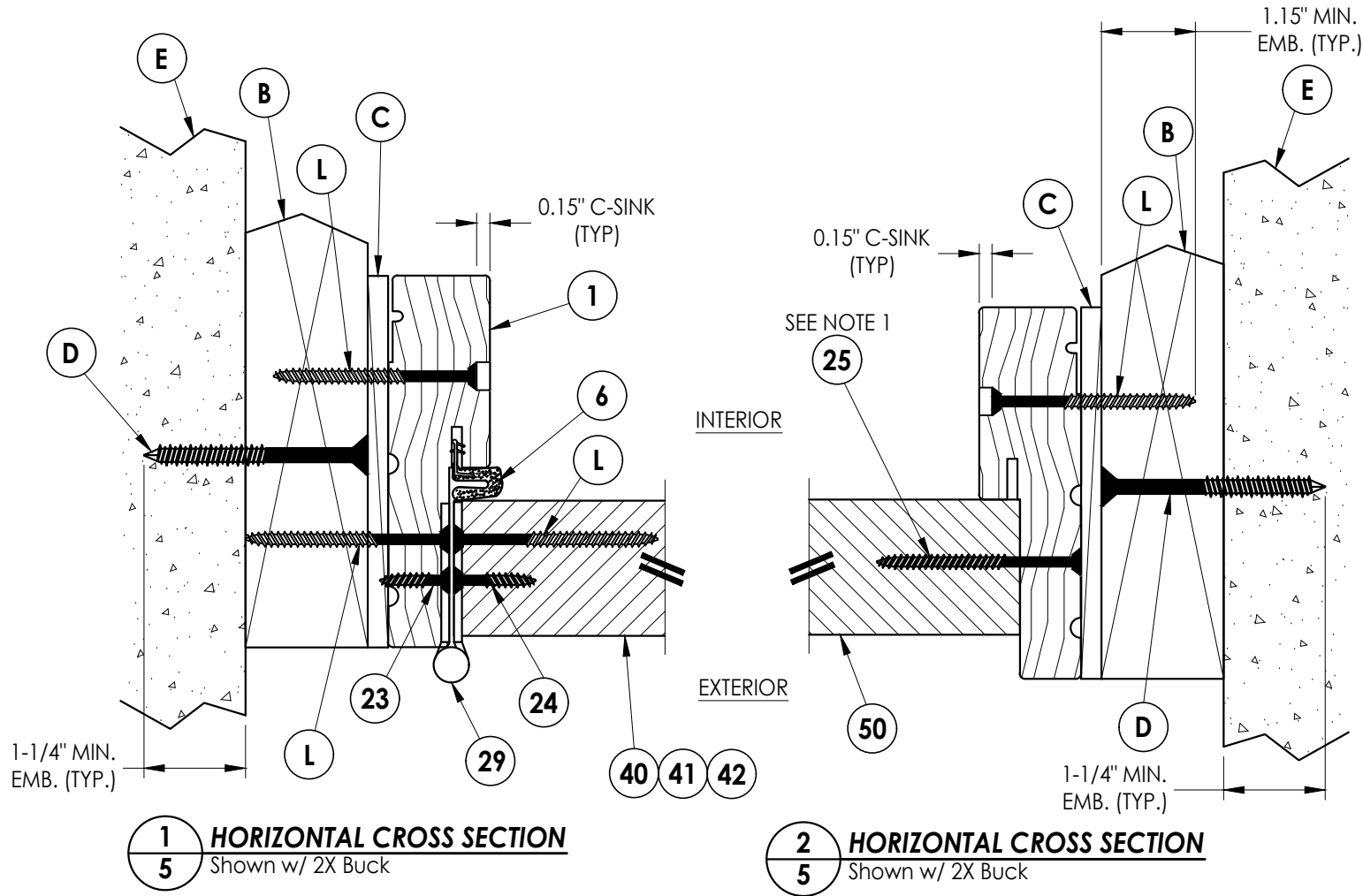
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SHEET	4 OF 14

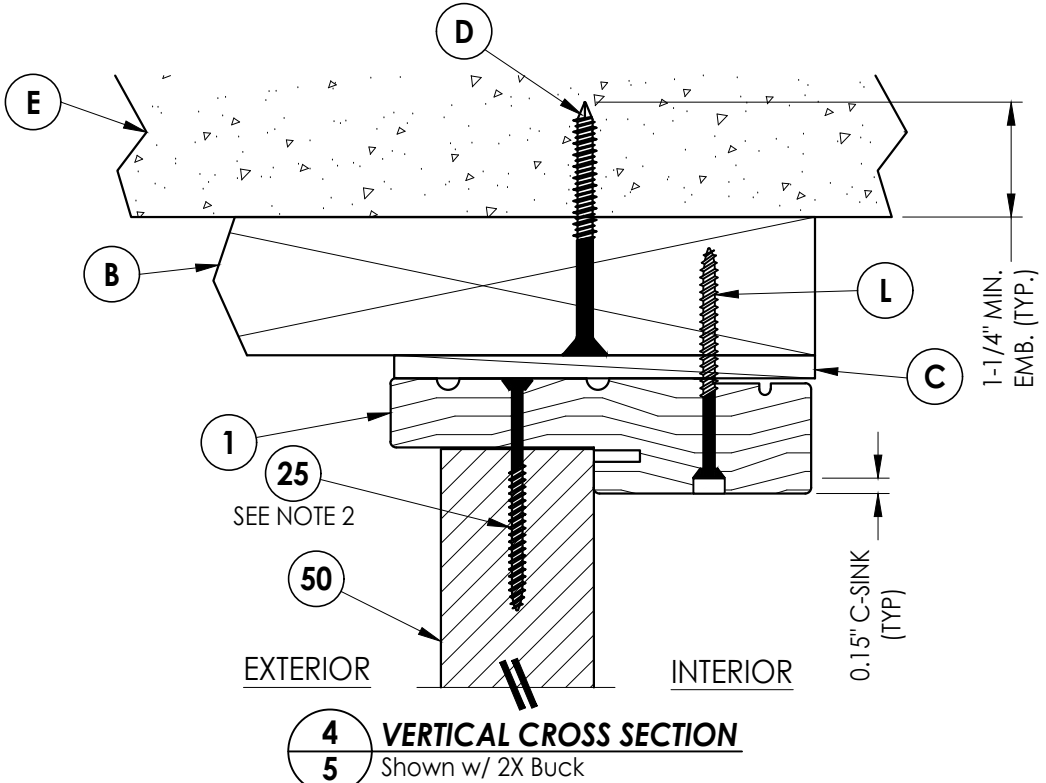
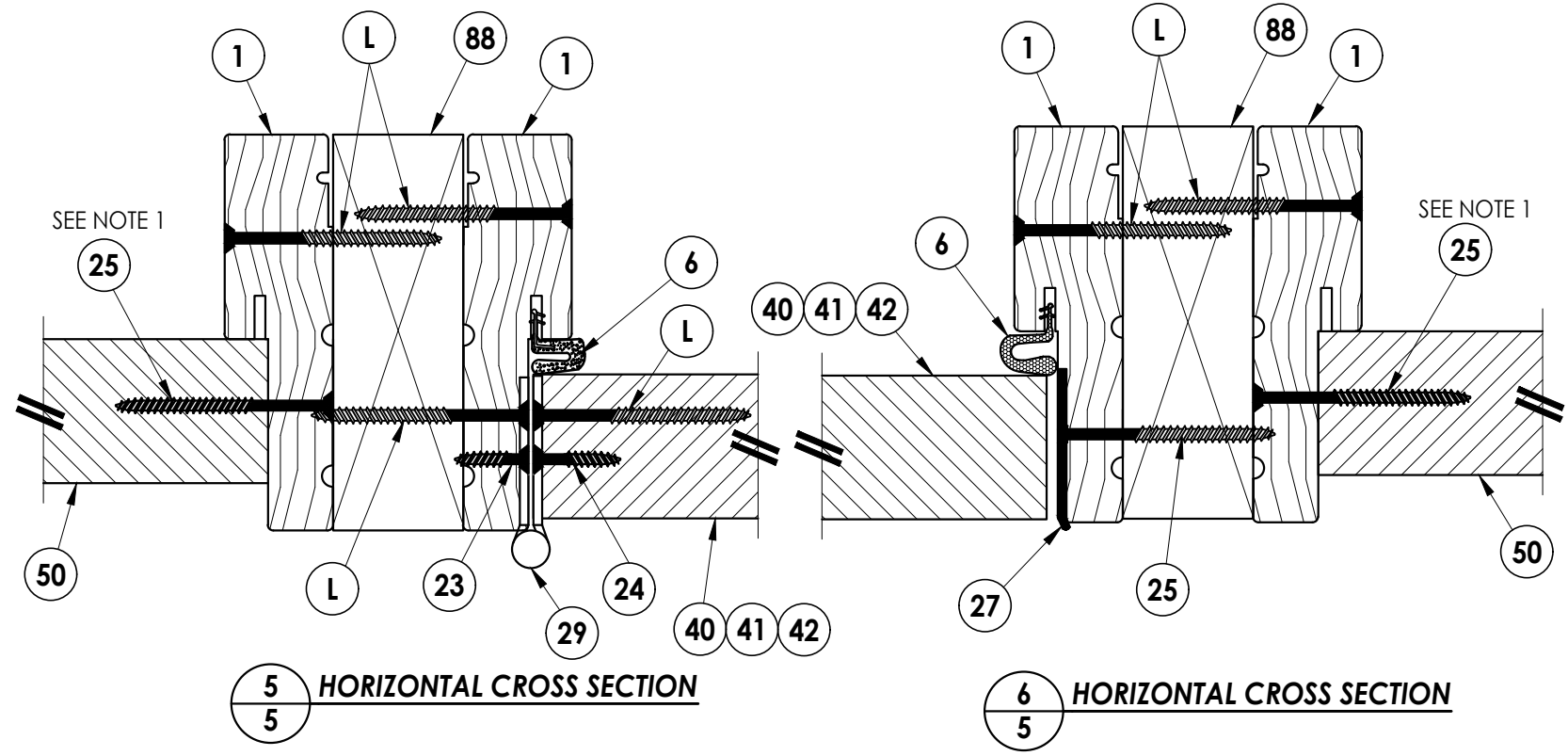
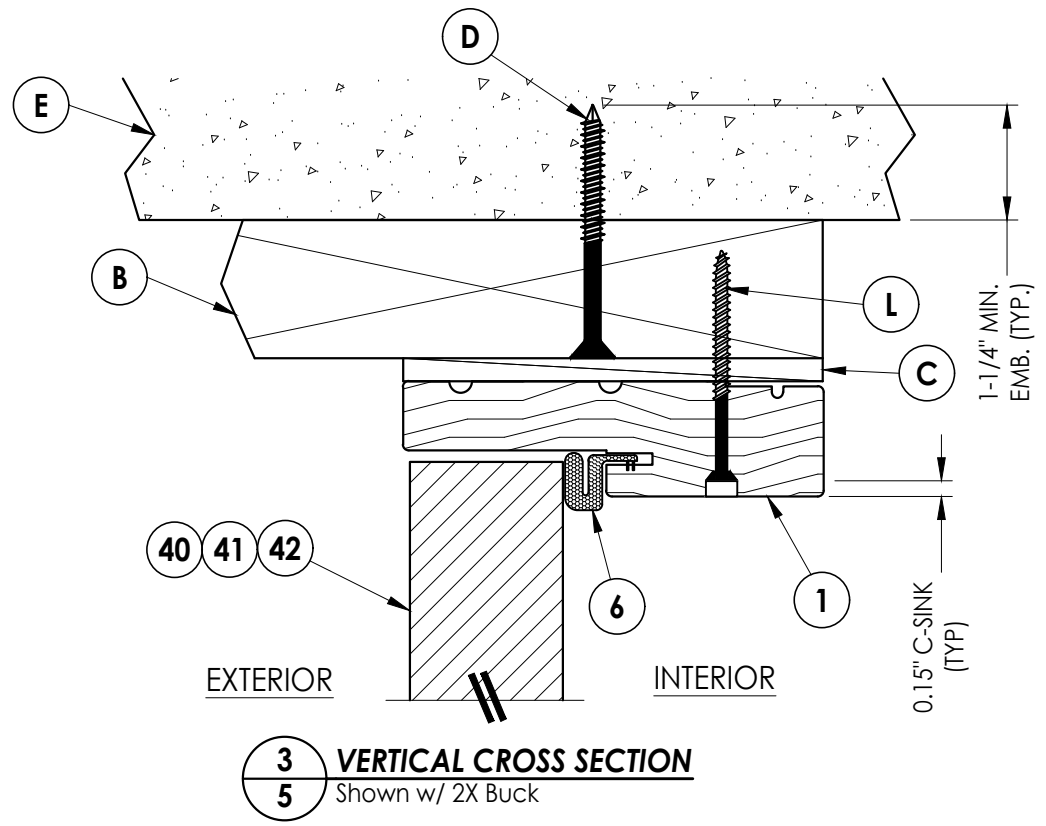
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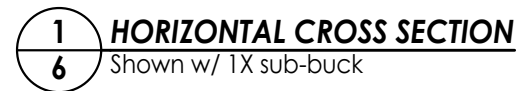


Notes:
1. Sidelite assembly screws located 6" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).



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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)				
				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: RW								
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DRAWING NO.: FL-30077.8								
SHEET 5 OF 14								

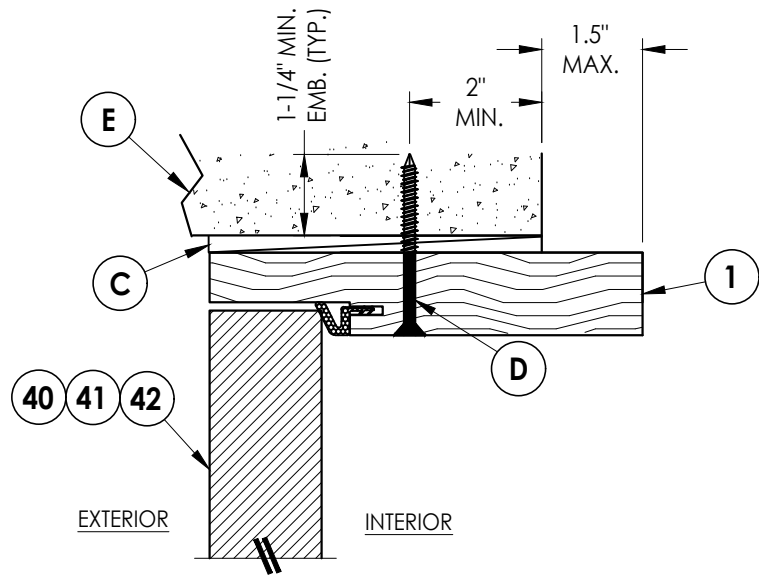
1. Sidelite assembly screws located 6" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along head jamb).



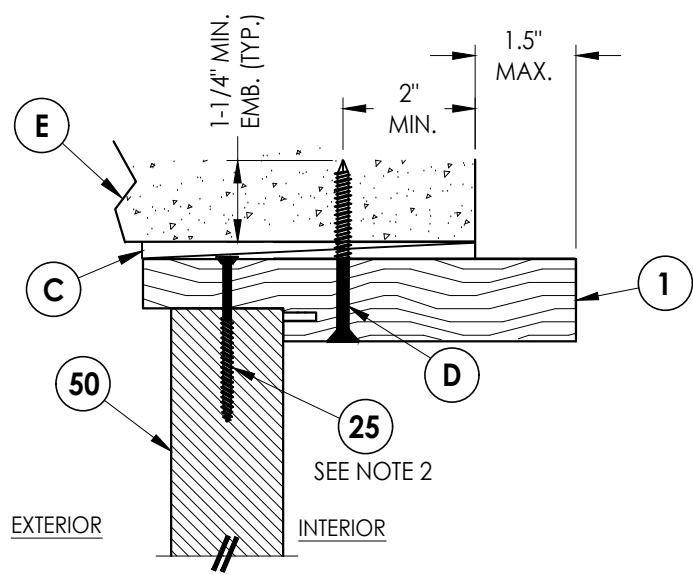
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SHEET 6 OF 14

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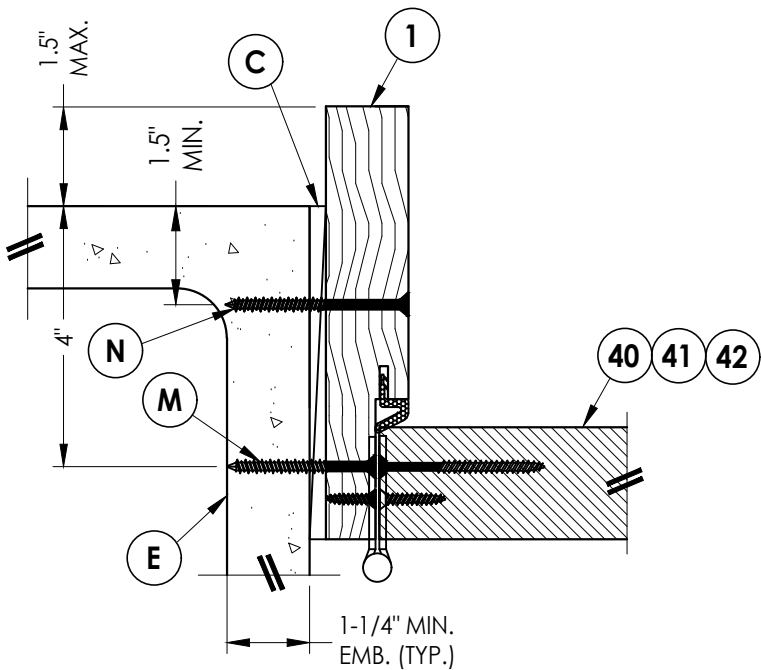


3
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
6-9/16" jamb

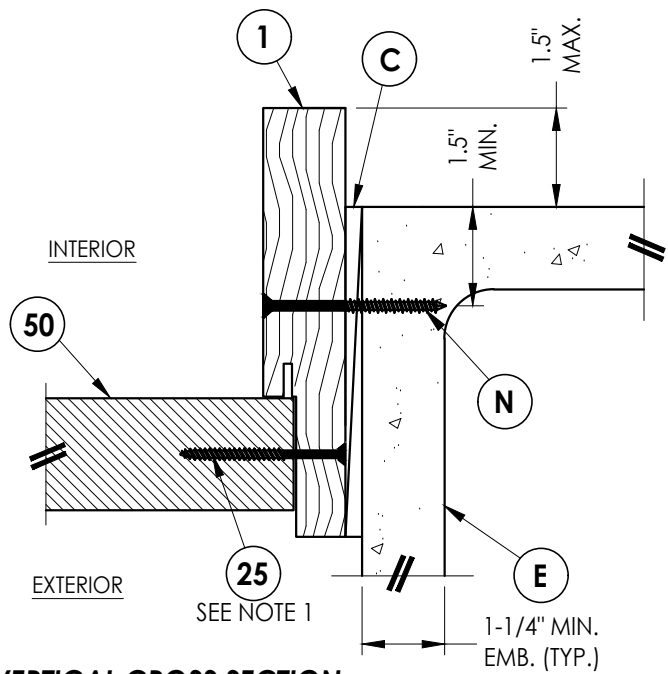


4
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
6-9/16" jamb

- 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
6-9/16" jamb



2
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
6-9/16" jamb

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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC
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LFS		
PO		
BY		

DATE: 08/12/19

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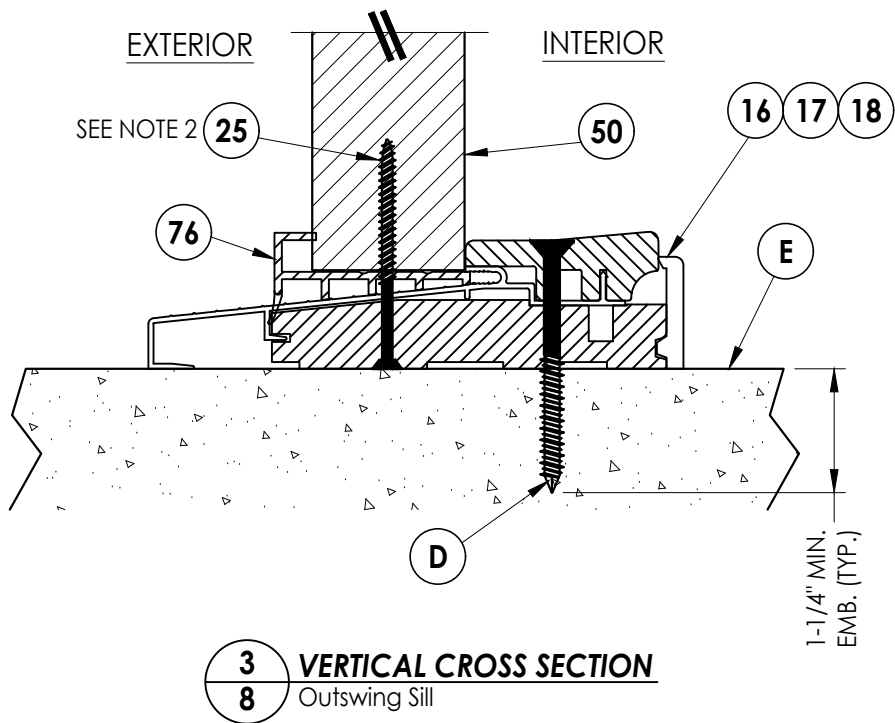
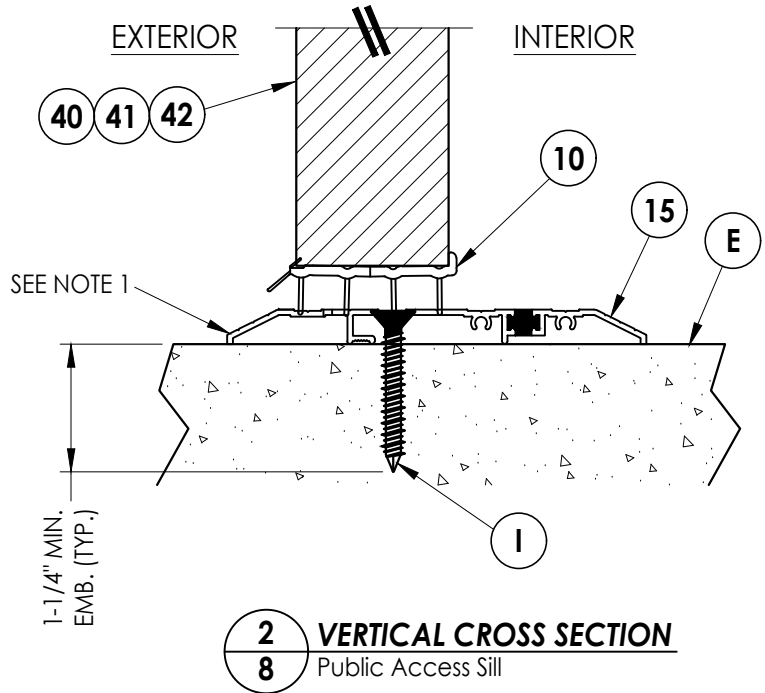
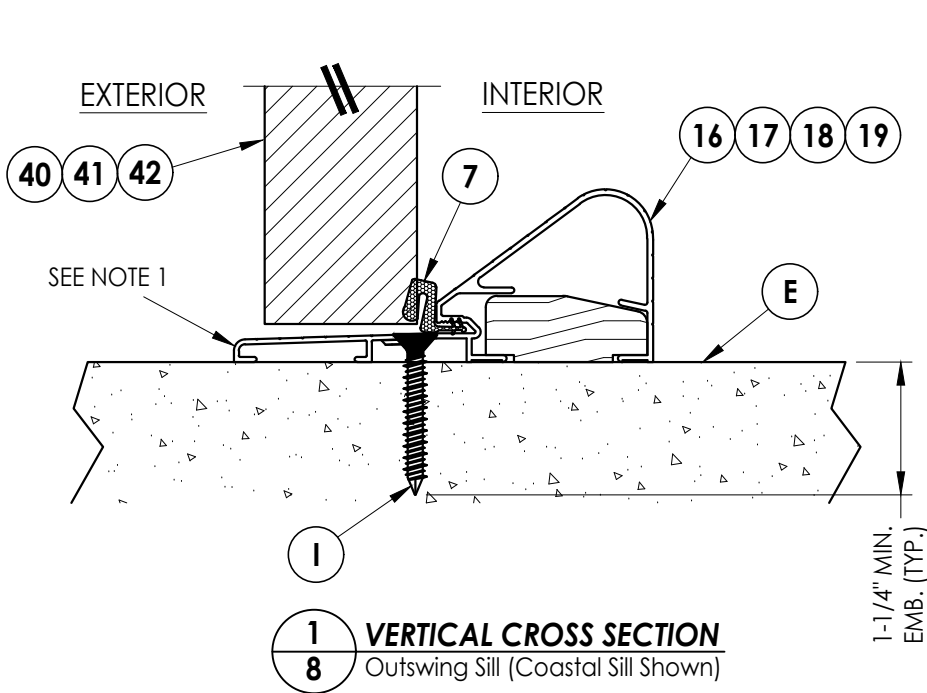
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CHK. BY: LFS

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FL-30077.8

SHEET 7 OF 14

- Notes:
- 1. Sill Item #'s 17, 18, & 19 are attached to jambs w/ (3) #8 X 2-1/2" pph screws at each end.
Sill Item # 16 is attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.
Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph screws at each end.
 - 2. Sidelite assembly screws located 3" from each end & at centerline (3 screws along sill).



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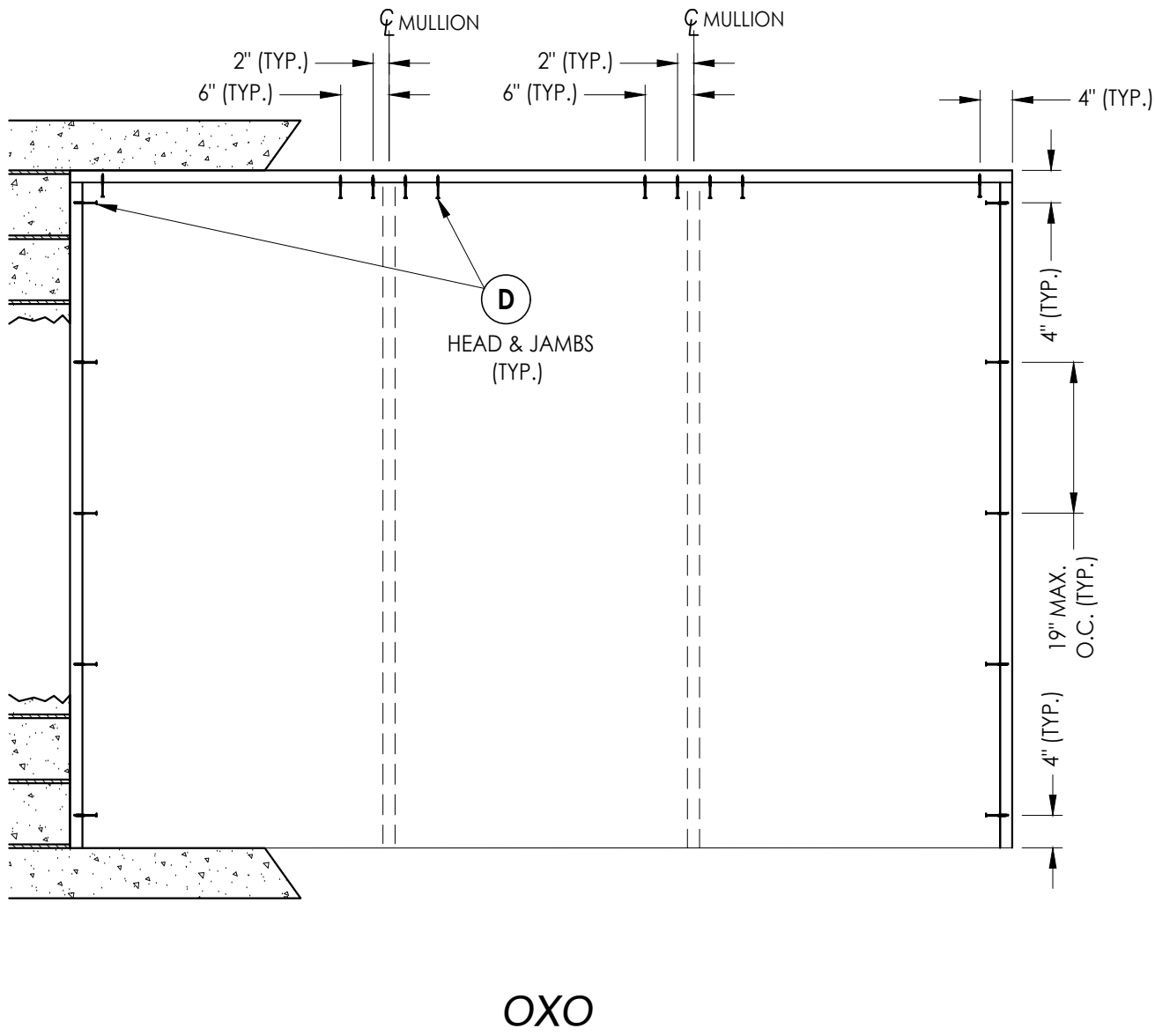
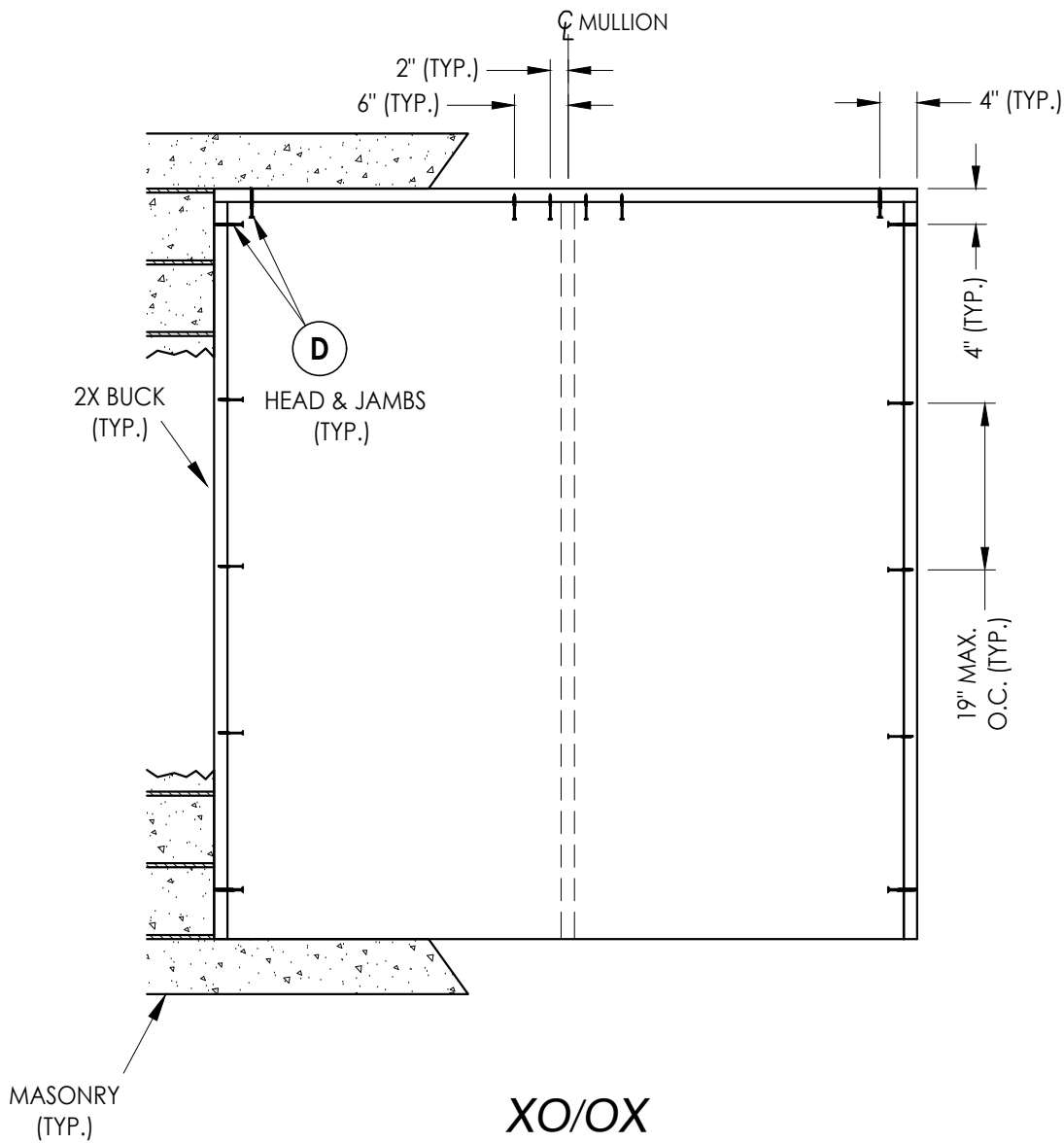
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PRODUCT:	THERMA-TRU FIBERGLASS DOOR		
	PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)		

NO.	DATE	REVISIONS		
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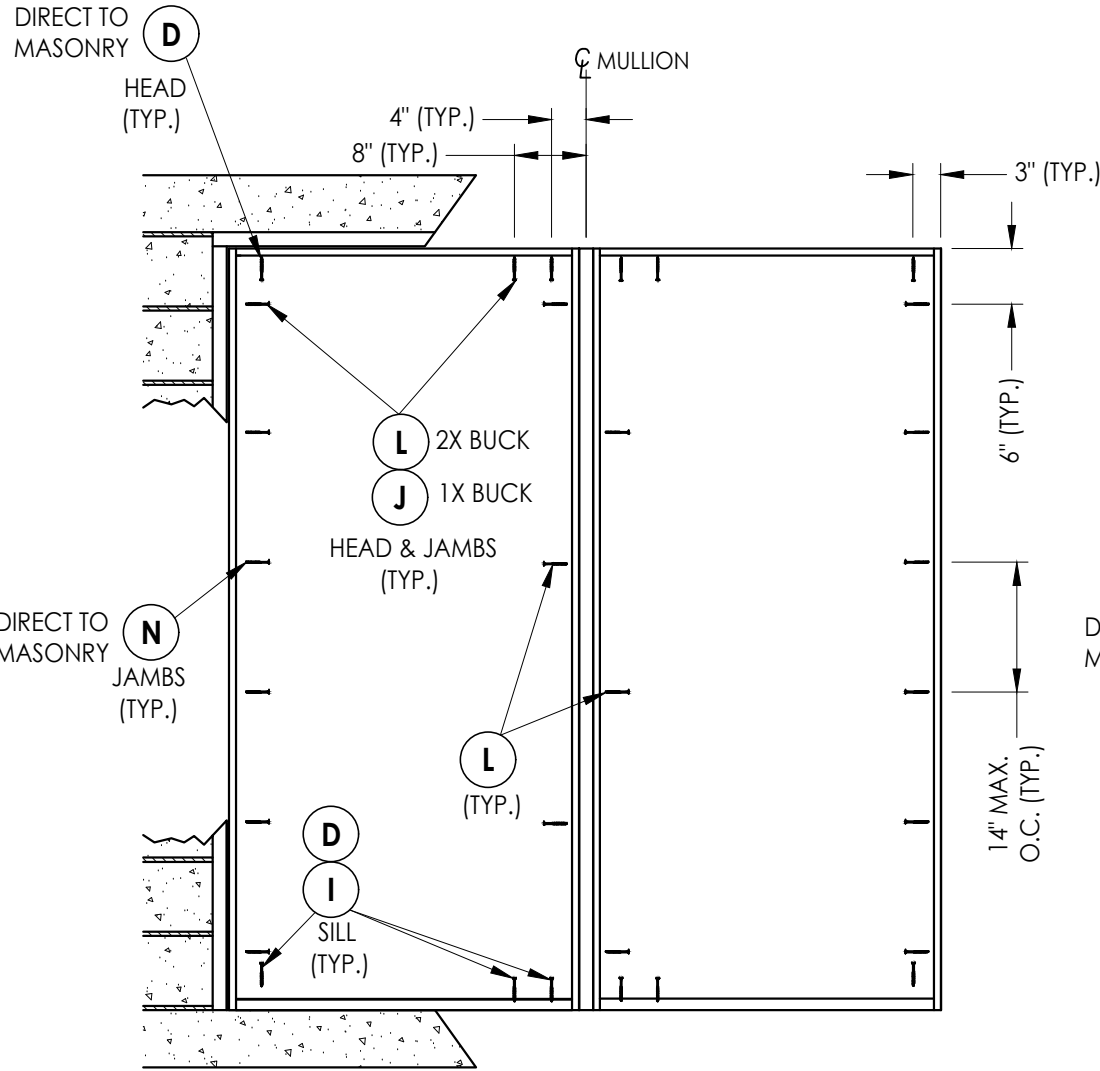
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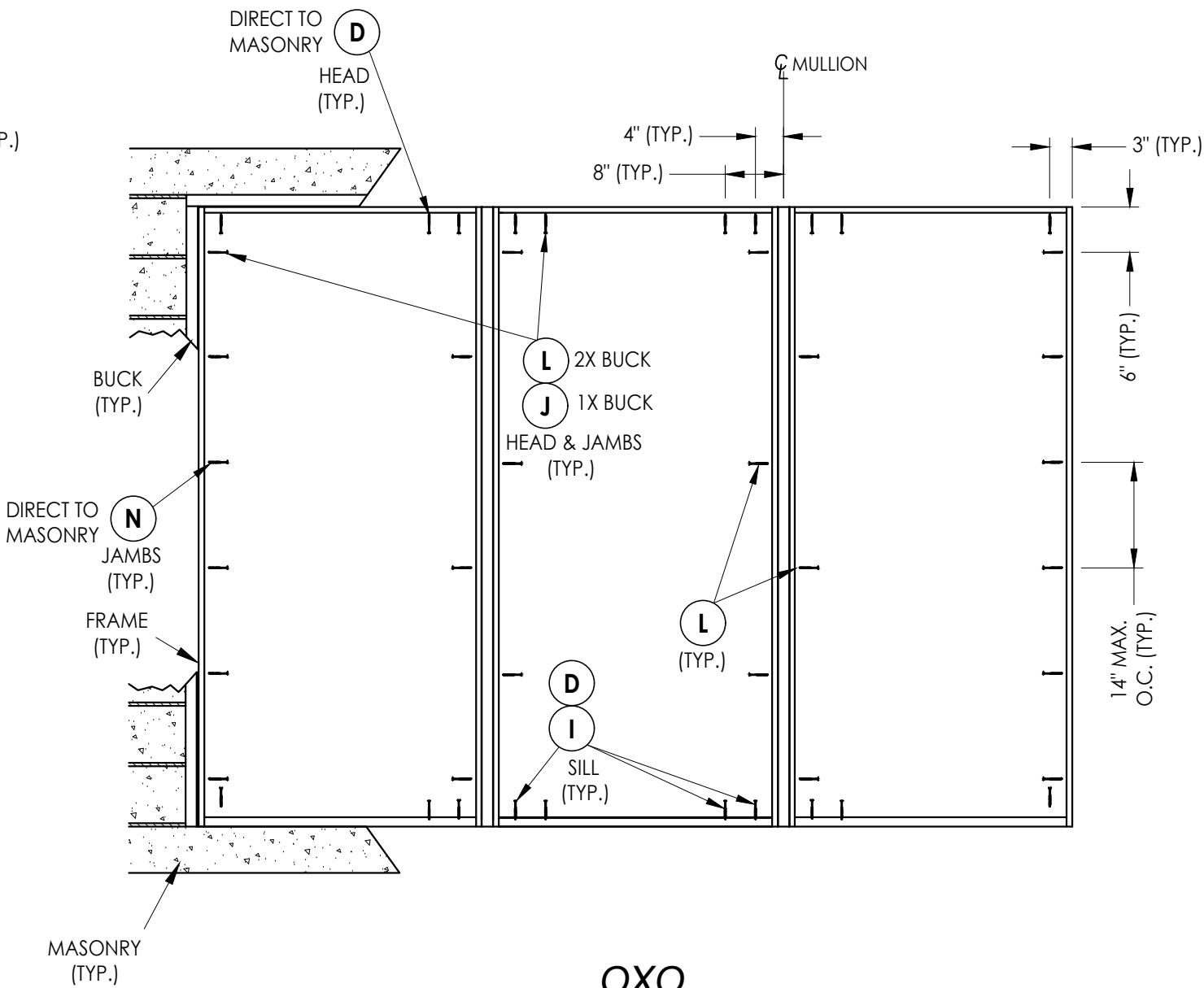
2X BUCK ANCHORING

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK ANCHORING	
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		PO	BY
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SHEET 9 OF 14			

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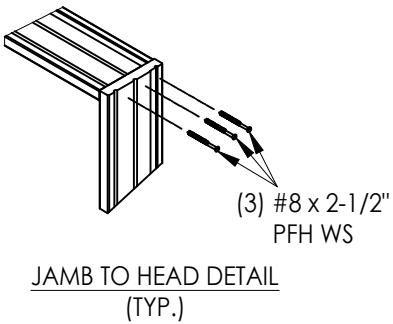


XO/OX



OXO

FRAME ANCHORING



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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: FRAME ANCHORING			
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SHEET 10 OF 14							

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

MULTIPOINT LOCK STRIKE DETAILS

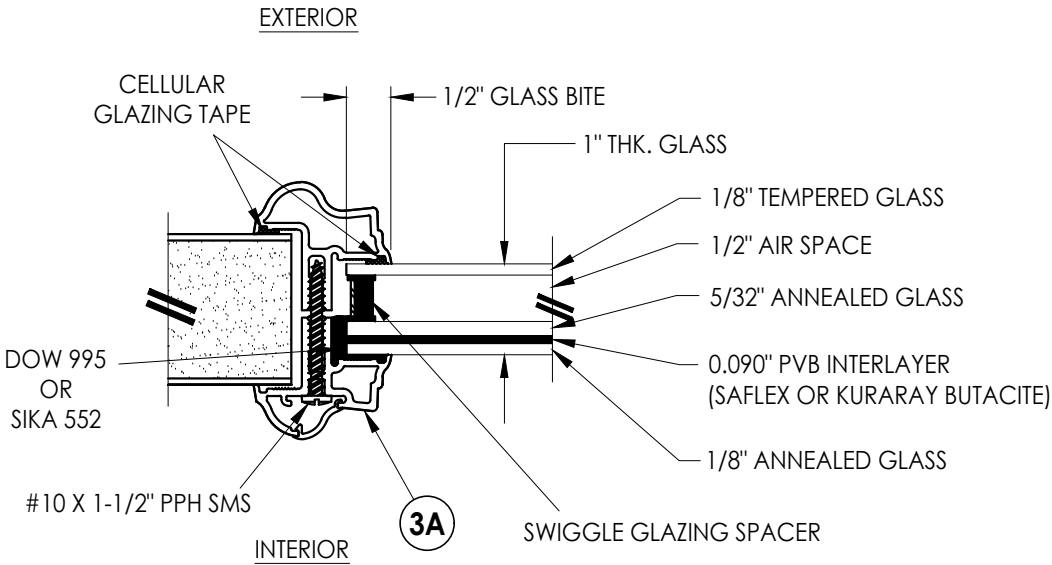
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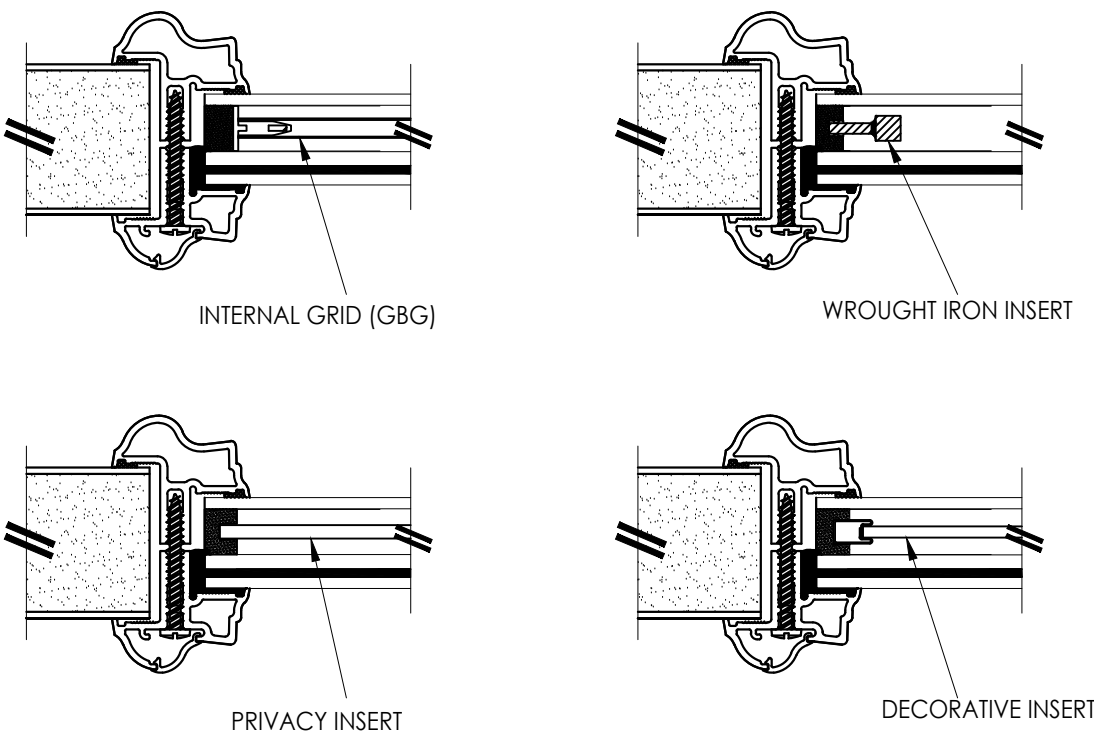
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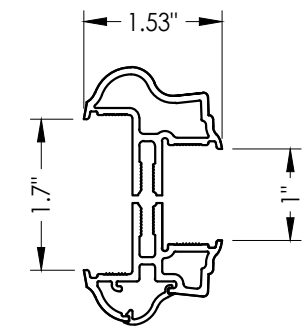
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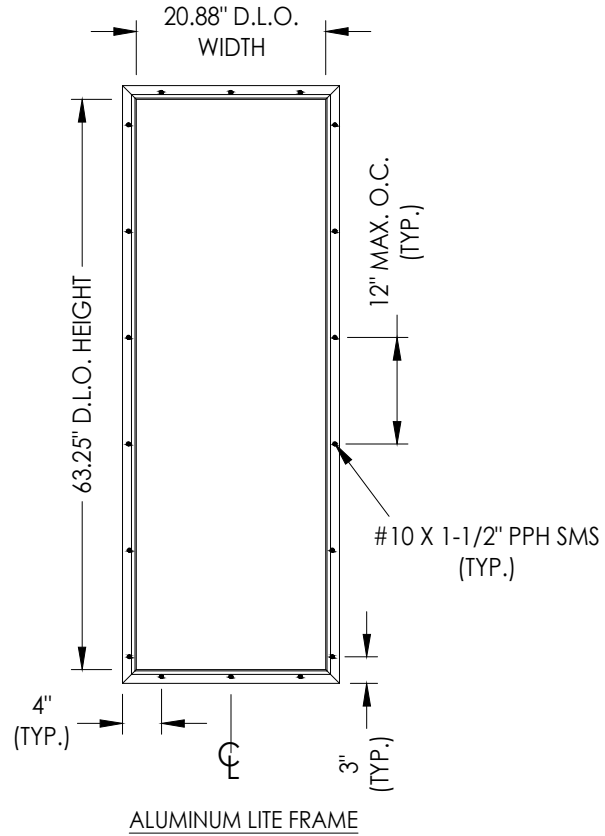
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



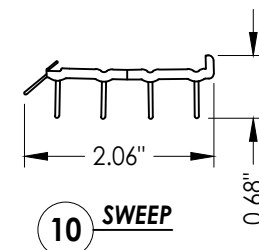
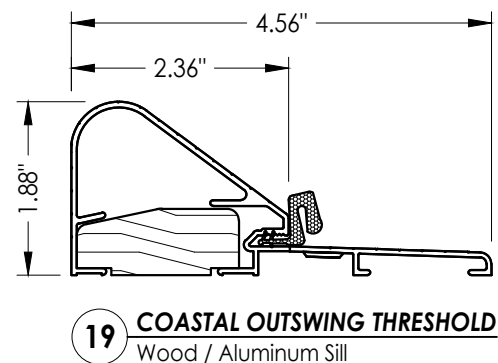
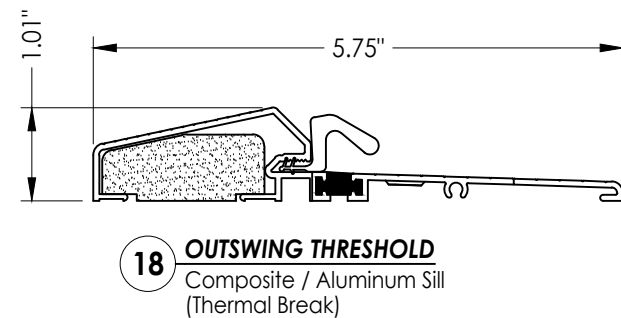
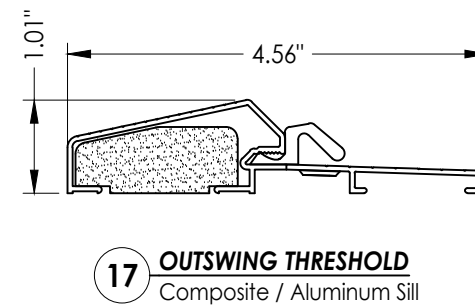
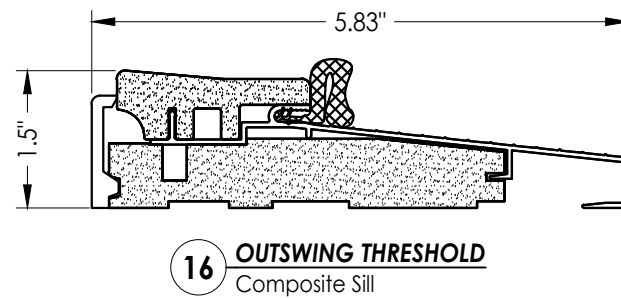
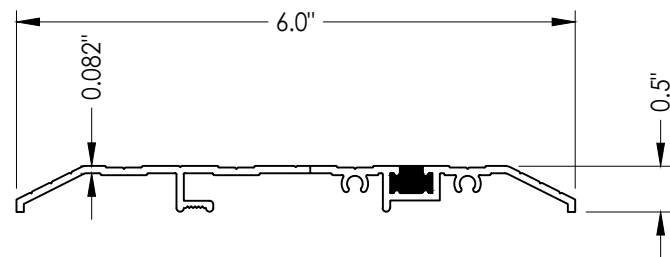
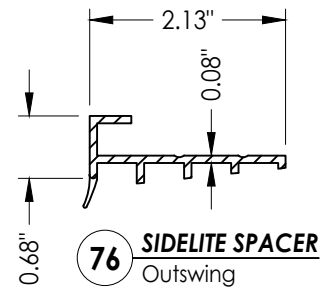
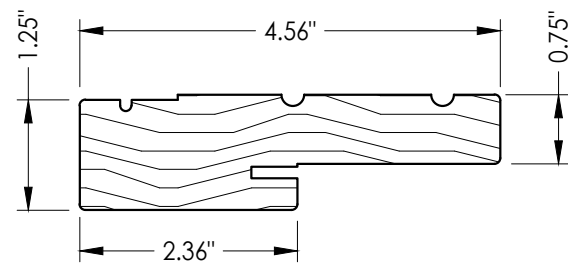
1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



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



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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: GLAZING DETAILS		REVISIONS			DATE: 08/12/19
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

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)	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	31	MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	40	DOOR PANEL (BOOK)	-
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	41	DOOR PANEL (HYBRID)	-
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	42	DOOR PANEL (U1)	-
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	50	SIDELITE	-
1	JAMB (FINGER JOINT PINE)	WOOD	76	SIDELITE SPACER (OUTSWING)	PVC
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	88	2X MULLION (SG >= 0.55)	WOOD
7	WEATHERSTRIP (LONG REACH)	FOAM			
10	SWEEP (USE W/ PUBLIC ACCESS THRESHOLD)	VINYL			
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			
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			

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]