

WINDSERT™

Operational Window Insert
Utilizing
A Fiberglass Door Panel

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.

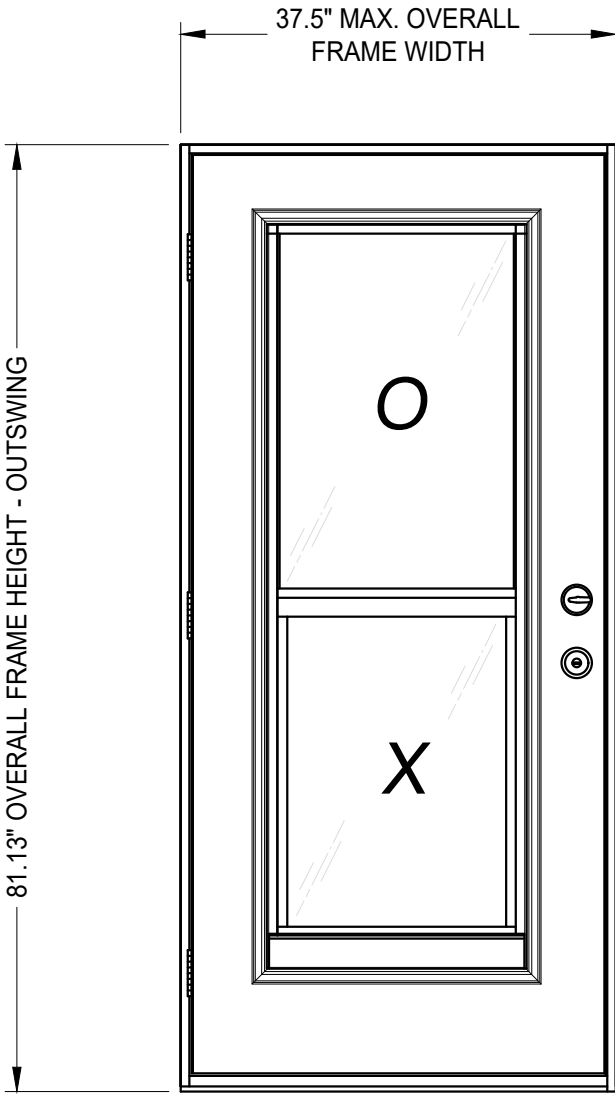
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

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.

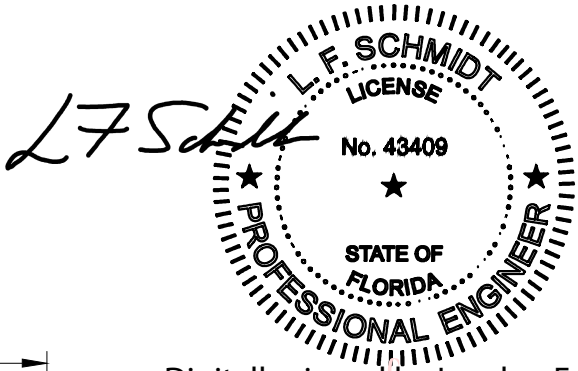
Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures, & general notes
2	Door panel details
3	Lite frame details and glazing details
4	Horizontal cross sections
5	Vertical cross sections
6	Buck and frame anchoring
7	Bill of materials and components



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
37.5" x 81.13"	20" x 29.13"	+60.0	-65.0

NOTE: See Sheet 2 for Hardware Design Pressure Limitations



Digitally signed by Lyndon F Schmidt
Date: 2026.07.02 16:05:50 -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

DLP
WINDSERT

PART OR ASSEMBLY:

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

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS
7	7/02/26	UPDATE TO 9TH ED. (2026) FBC
6	8/09/23	UPDATE TO 8TH ED. (2023) FBC
5	8/31/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 8/29/11

SCALE: N.T.S.

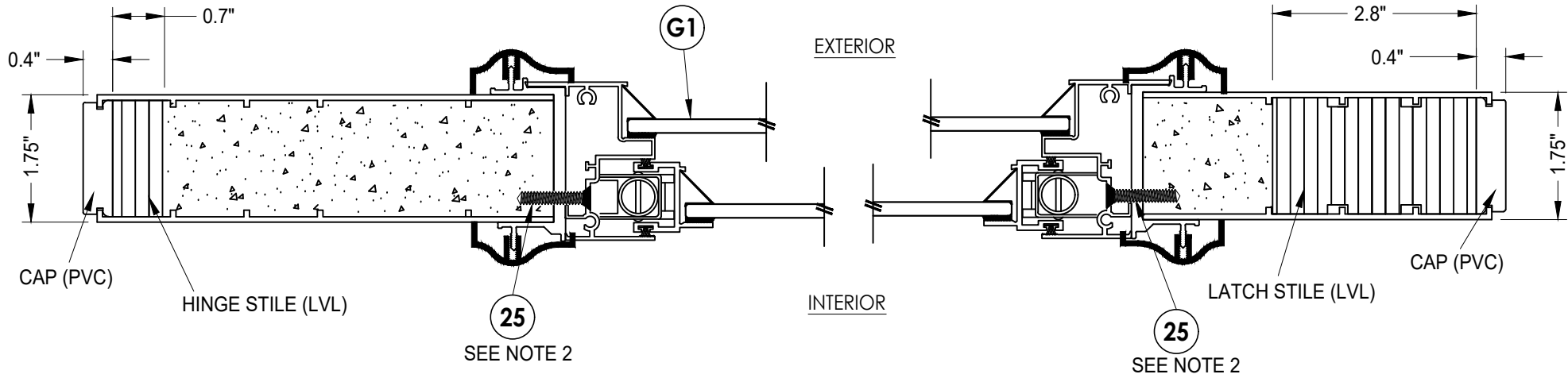
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CHK. BY: LFS

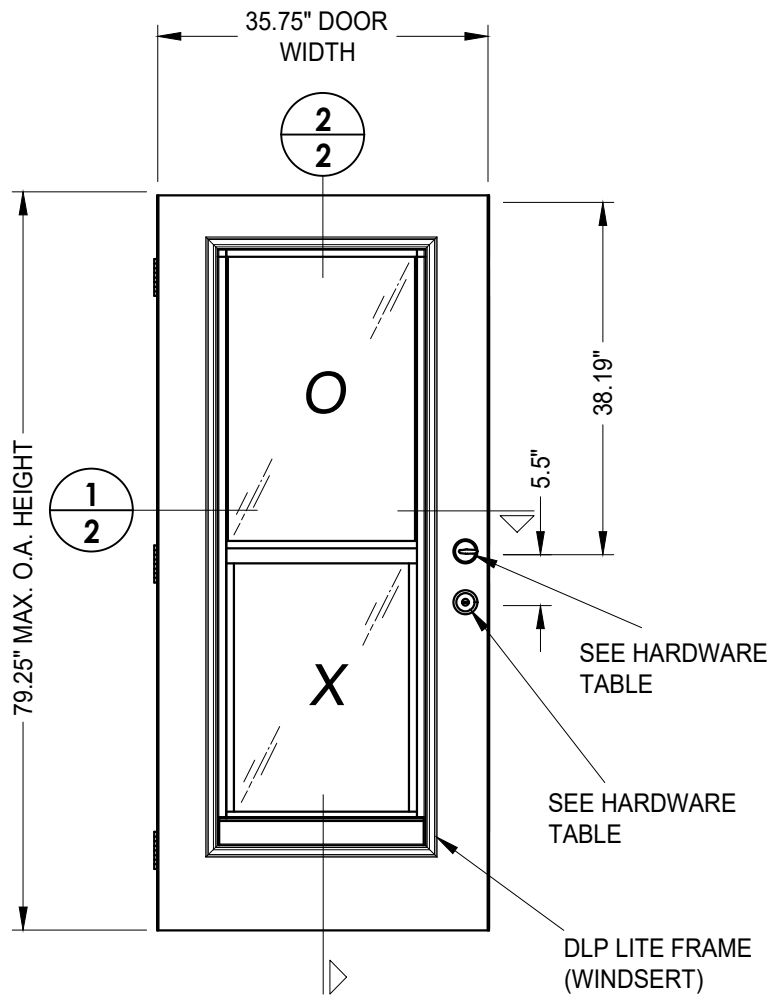
DRAWING NO.: FL-14803.1

SHEET 1 OF 7

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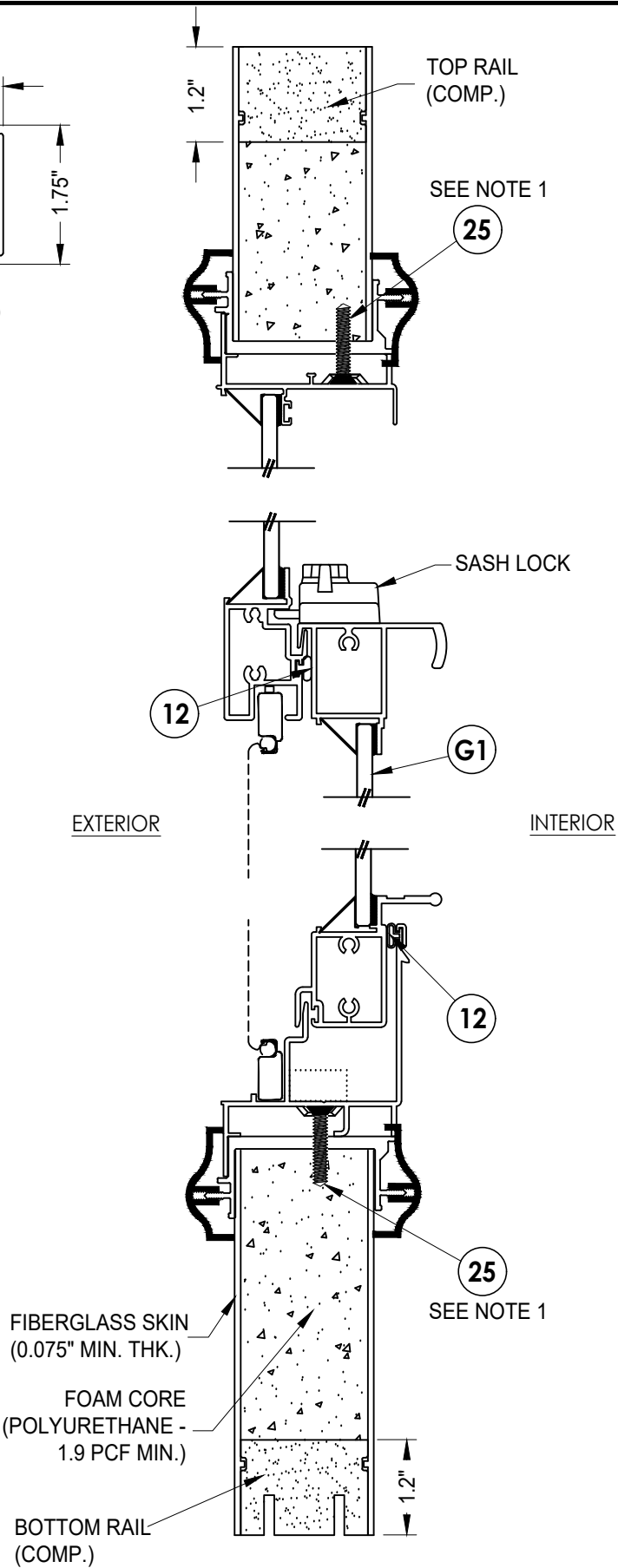
1
2 HORIZONTAL CROSS SECTION



40 DOOR PANEL
Plastpro

HARDWARE TABLE			
MANUFACTURER	MODEL		MAX. DESIGN PRESSURE
KWIKSET	Knob:	KWIKSET SERIES	+50/-55 PSF
	Deadbolt:	KWIKSET SERIES (660)	
YALE	Lever:	YH COLLECTION	+50/-55 PSF
	Deadbolt:	NEW TRADITIONS (800 SERIES)	
SCHLAGE	Knob:	F-SERIES	+50/-55 PSF
	Deadbolt:	B60 / 62	
YALE	Knob:	YH COLLECTION	+60/-65 PSF
	Deadbolt:	YH 83	

- NOTES:
- SMS Screw spacing at head and sill:
5" from each end & one at centerline (3 total).
 - SMS Screw spacing at jambs:
5" from each end & spaced @ 8 - 11" o.c. (7 total).



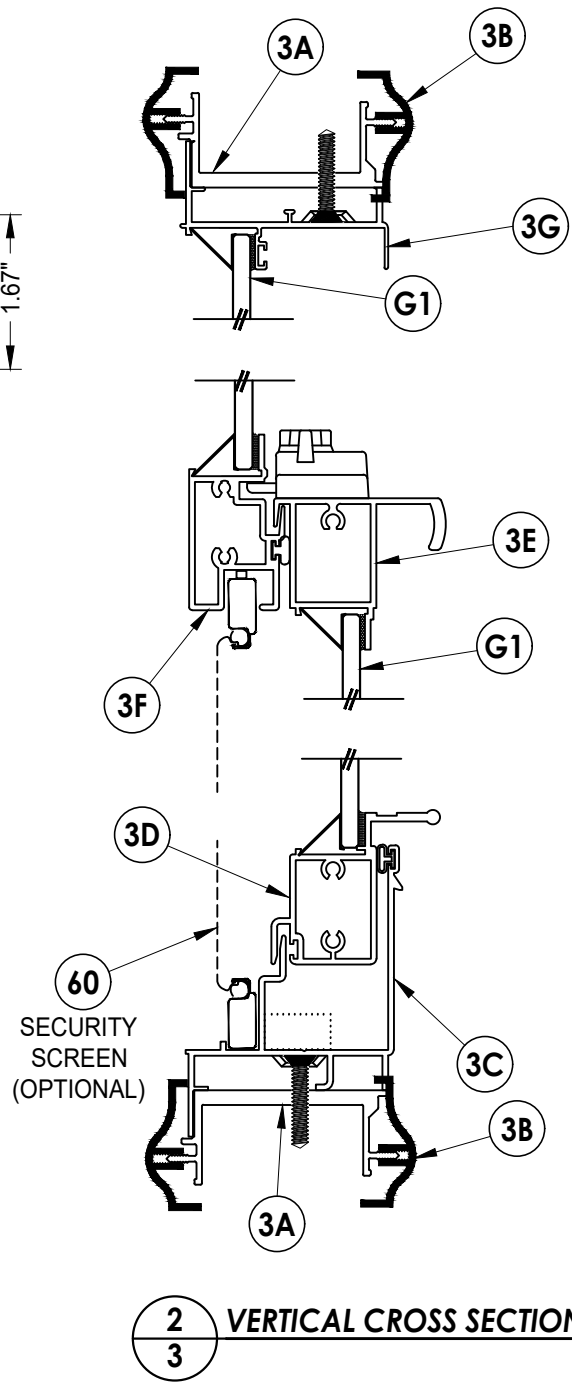
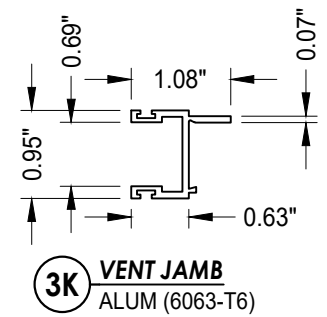
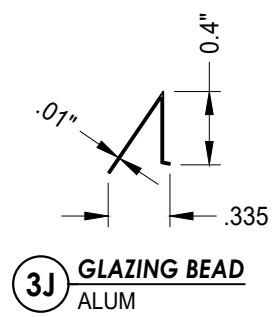
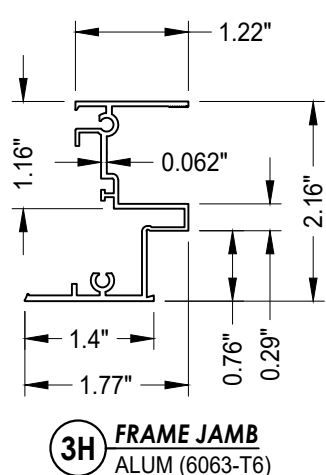
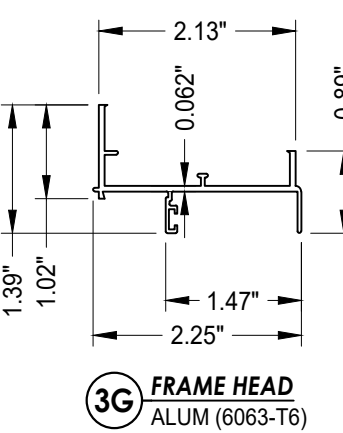
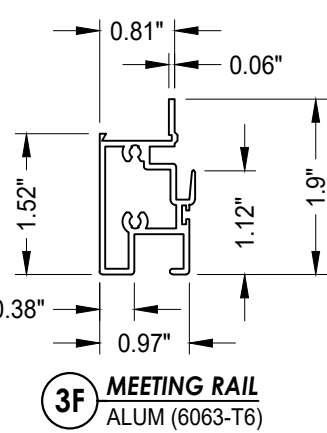
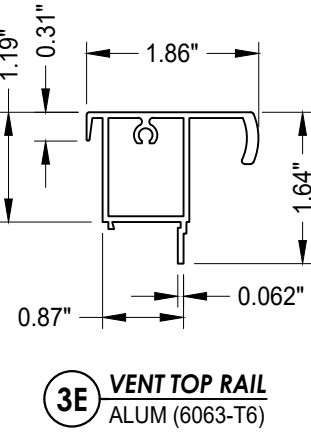
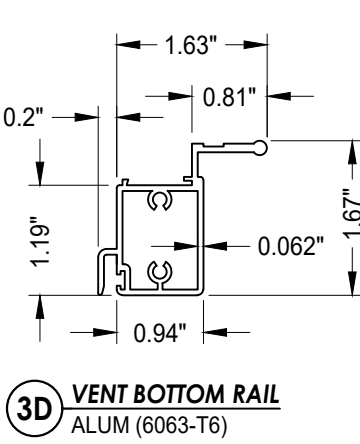
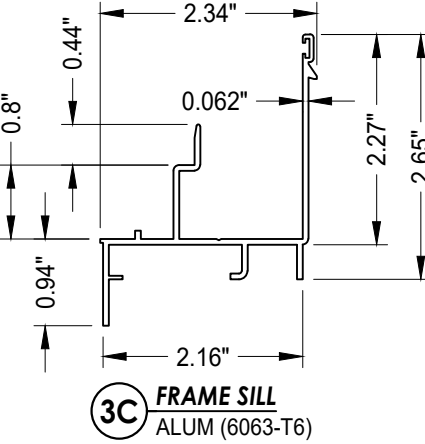
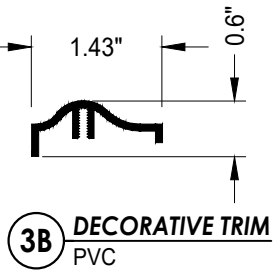
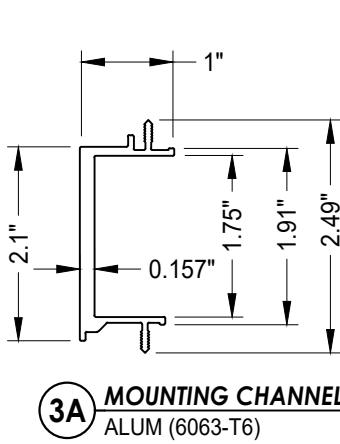
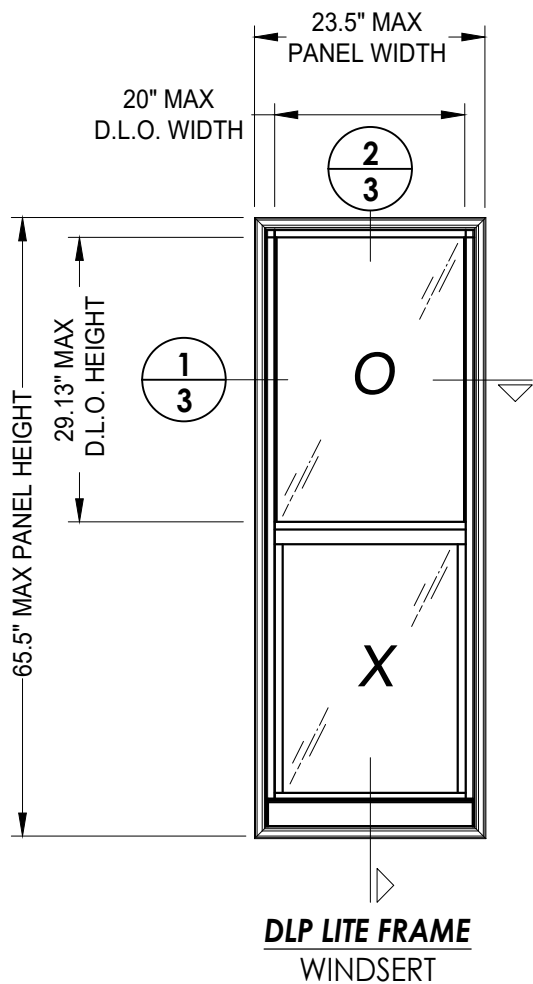
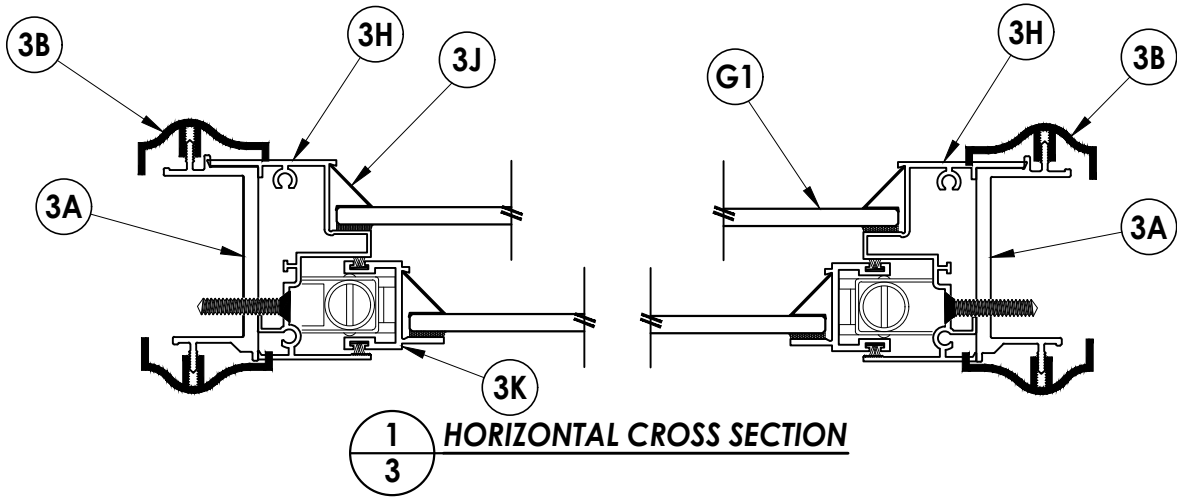
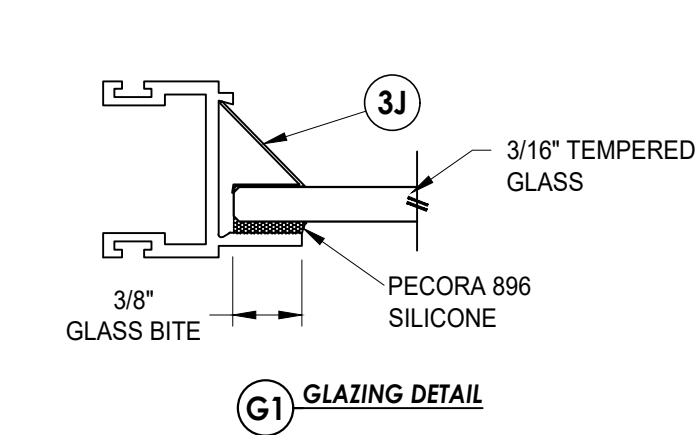
2
2 VERTICAL CROSS SECTION

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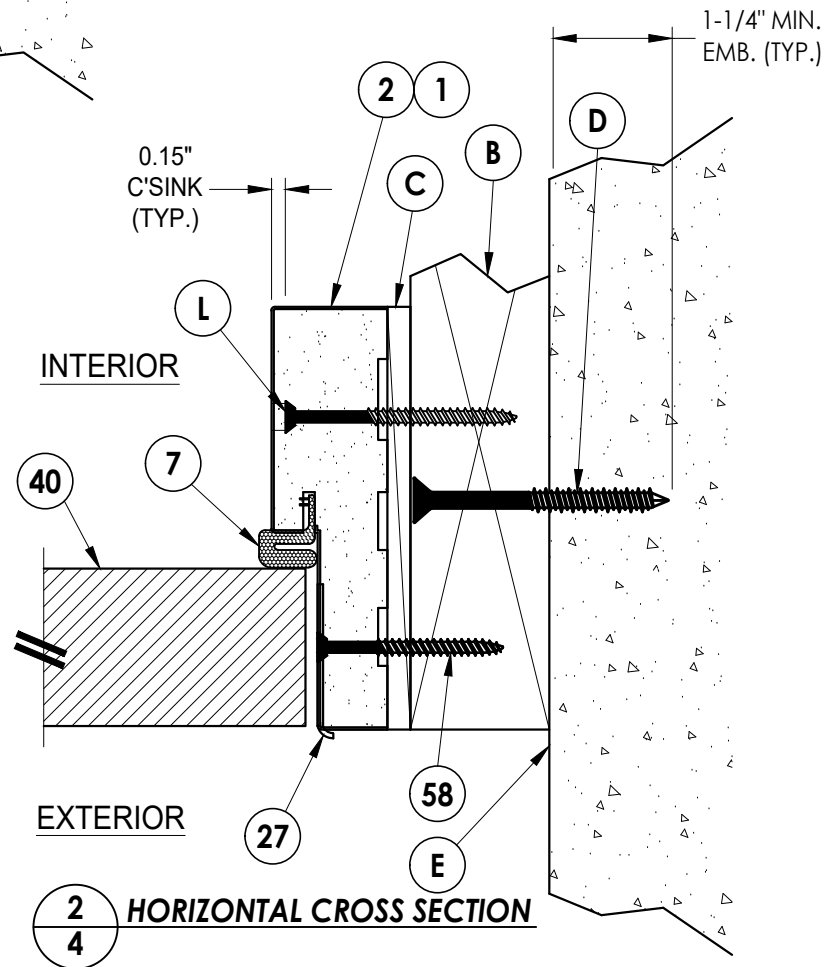
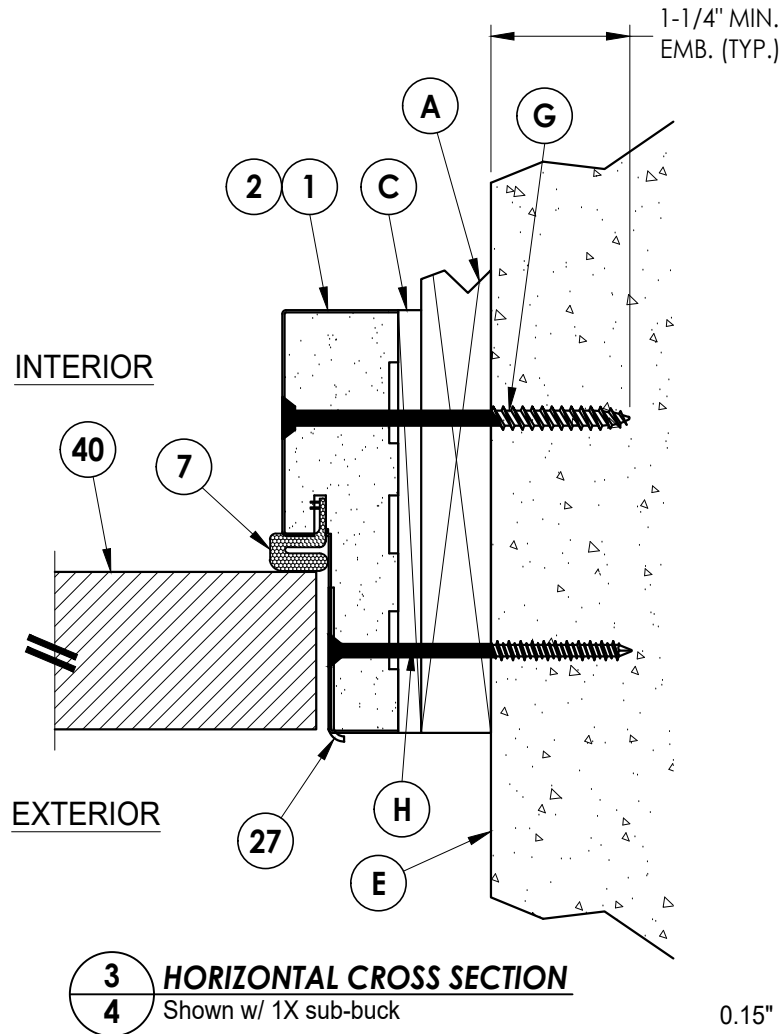
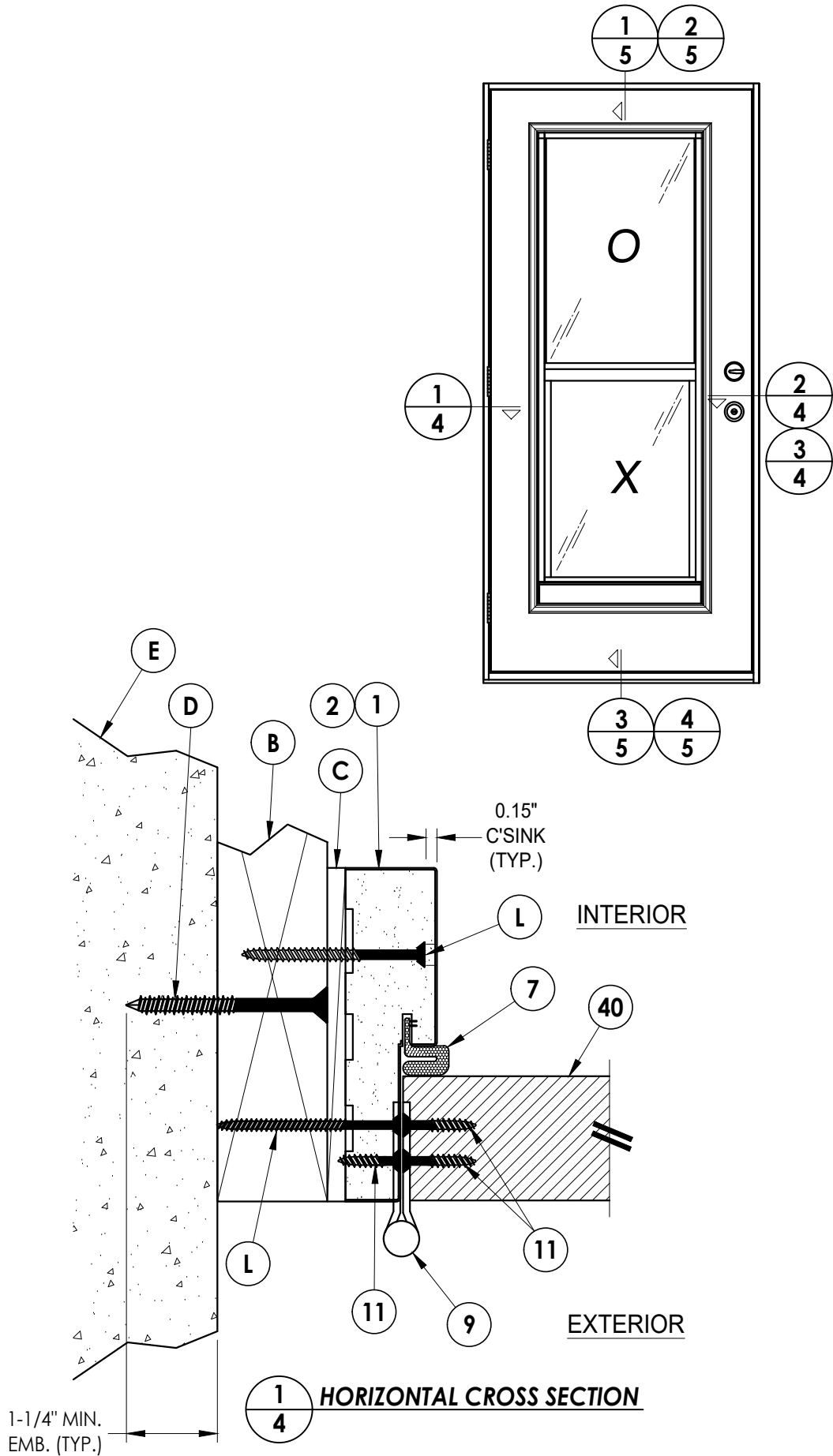
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DLP WINDSERT		DOOR PANEL DETAILS	
		LFS	BY
		FBC	
		FBC	
		FBC	
		DATE	
		NO.	
		REVISIONS	
		DATE	
		SCALE	
		DWG. BY:	
		CHK. BY:	
		DRAWING NO.:	
		SHEET	

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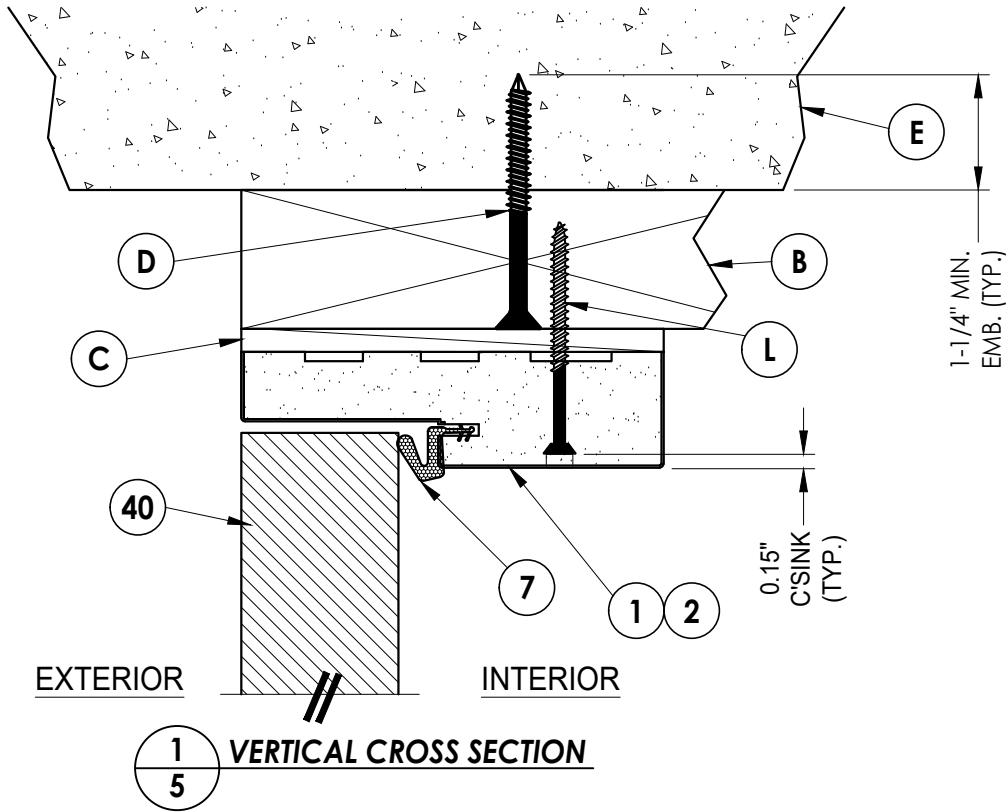
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PRODUCT: DLP WINDSERT		PART OR ASSEMBLY: LITE FRAME DETAILS AND GLAZING DETAILS	
		LFS	BY
7	7/02/26	UPDATE TO 9TH ED. (2026) FBC	
6	8/09/23	UPDATE TO 8TH ED. (2023) FBC	
5	8/31/20	UPDATE TO 7TH ED. (2020) FBC	
NO.	DATE	REVISIONS	
DATE: 8/29/11			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14803.1			
SHEET 3 OF 7			

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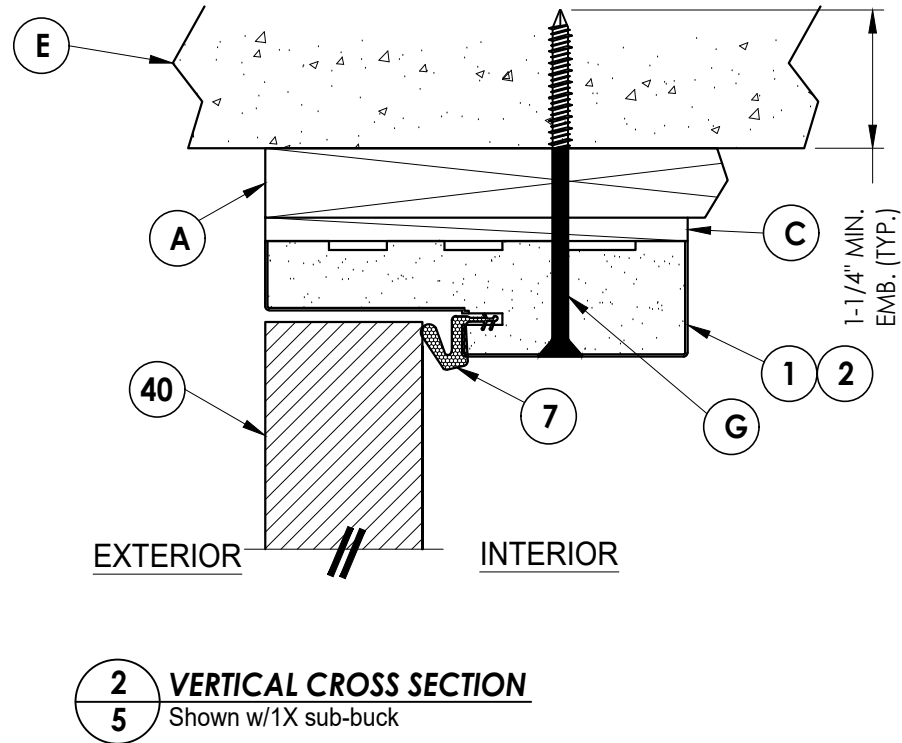
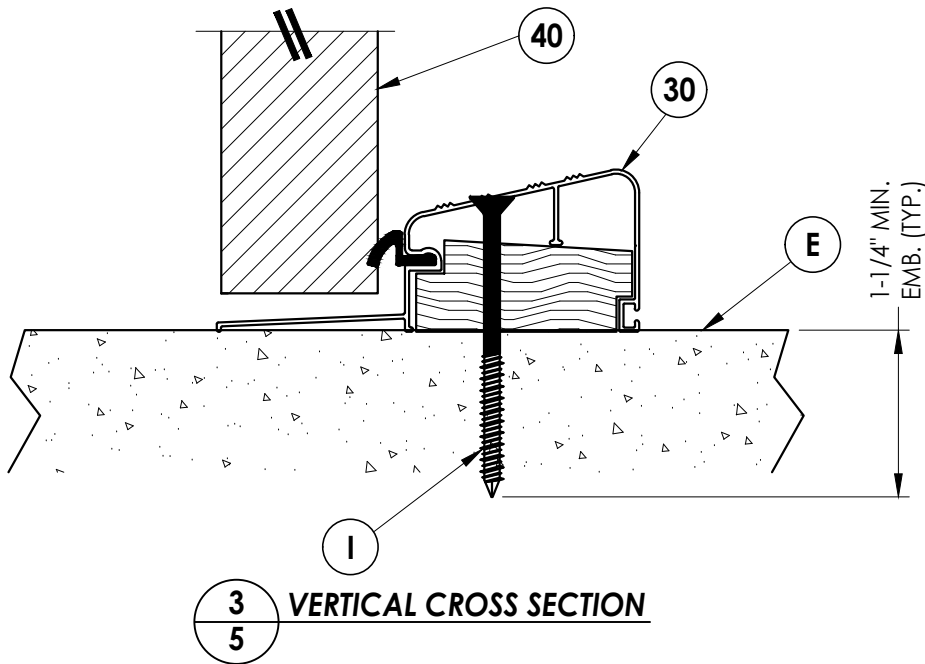


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PRODUCT: DLP WINDSERT		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS		
			REVISIONS	
7	7/02/26	UPDATE TO 9TH ED. (2026) FBC		LFS
6	8/09/23	UPDATE TO 8TH ED. (2023) FBC		LFS
5	8/31/20	UPDATE TO 7TH ED. (2020) FBC	LFS	
NO.	DATE		BY	
DATE: 8/29/11				
SCALE: N.T.S.				
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CHK. BY: LFS				
DRAWING NO.: FL-14803.1				
SHEET 4 OF 7				

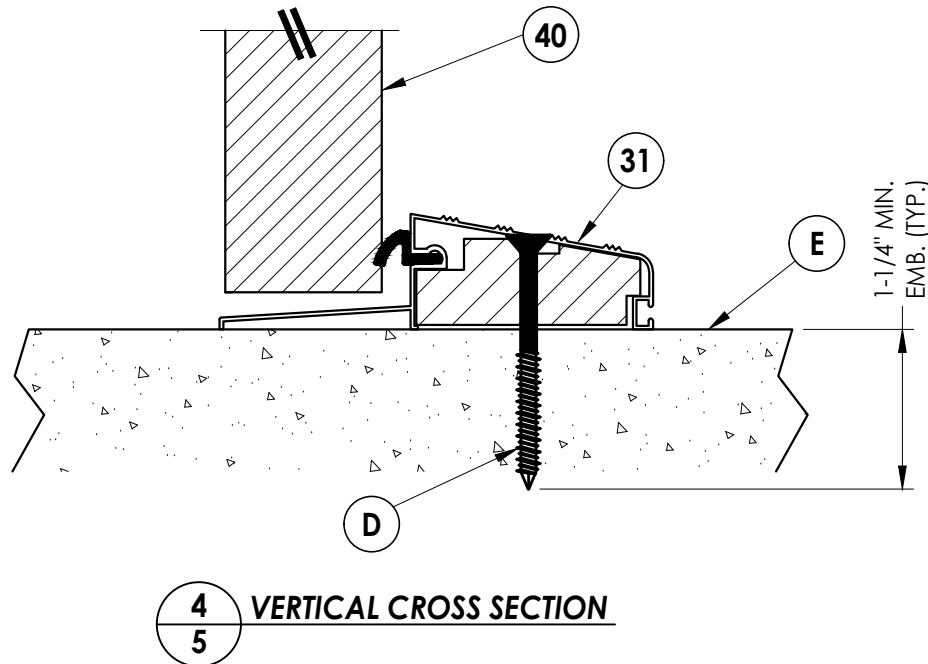
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EXTERIOR INTERIOR



EXTERIOR INTERIOR



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PRODUCT:	DLP WINDSERT	
	PART OR ASSEMBLY:	
VERTICAL CROSS SECTIONS		

NO.	DATE	REVISIONS	
		BY	
7	7/02/26	LFS	UPDATE TO 9TH ED. (2026) FBC
6	8/09/23	LFS	UPDATE TO 8TH ED. (2023) FBC
5	8/31/20	LFS	UPDATE TO 7TH ED. (2020) FBC

DATE: 8/29/11

SCALE: N.T.S.

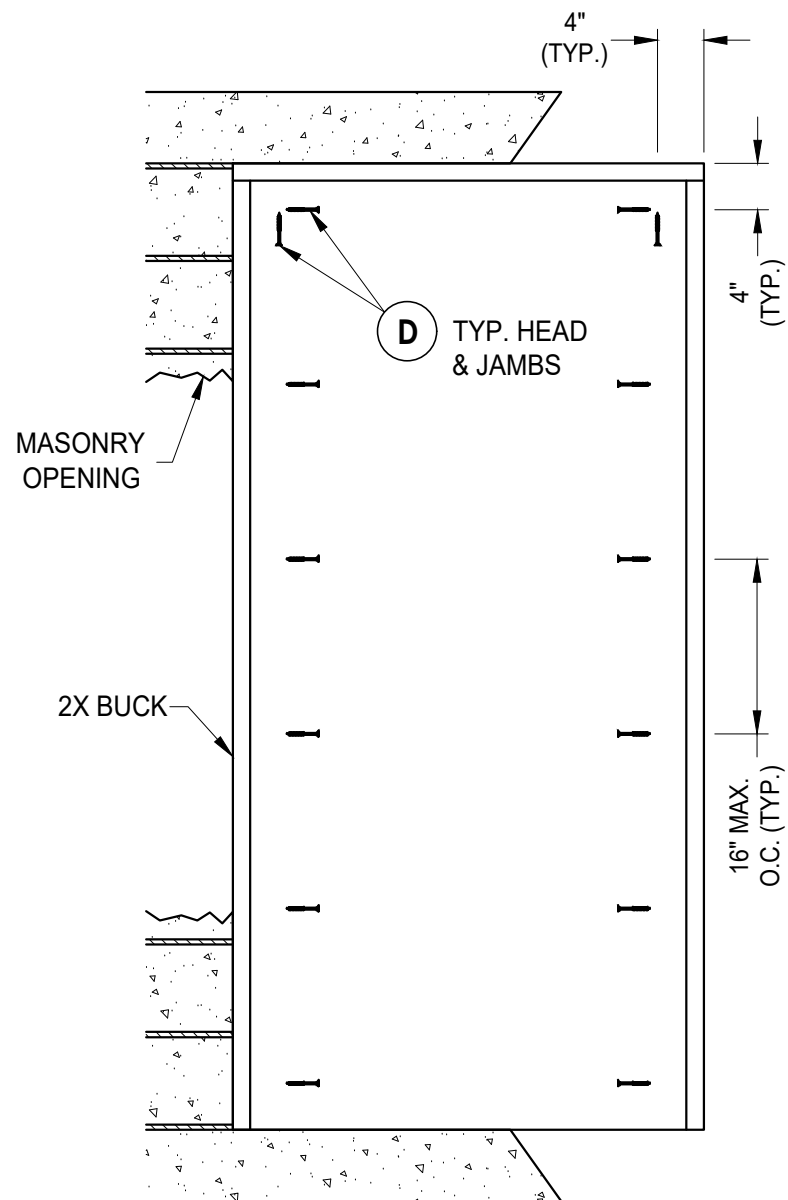
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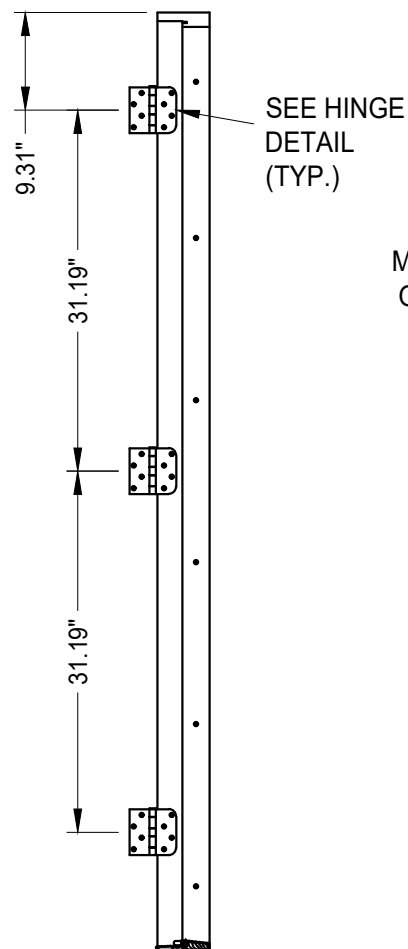
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FL-14803.1

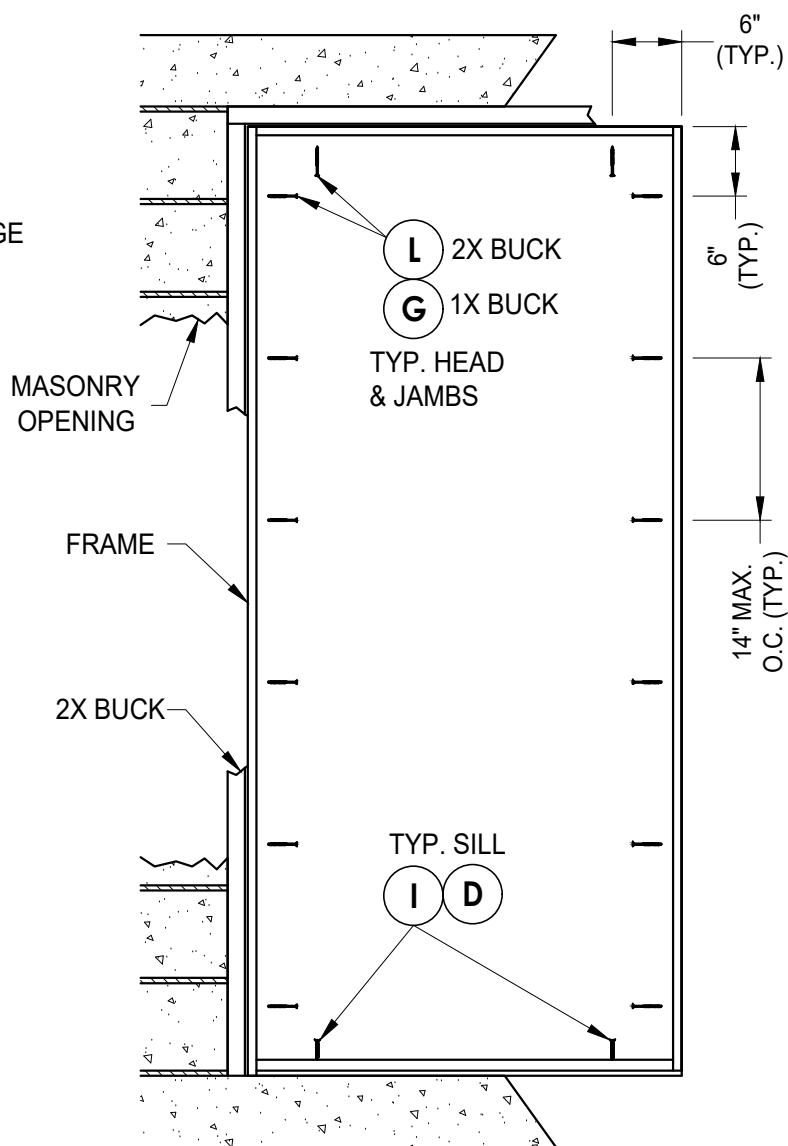
SHEET 5 OF 7



BUCK ANCHORING

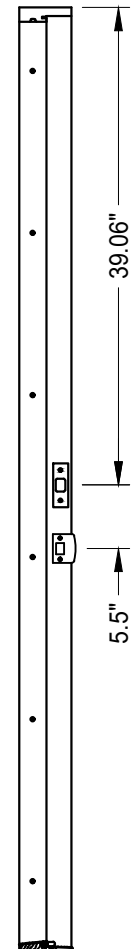


STRIKE JAMB



FRAME ANCHORING

Masonry construction



HINGE JAMB

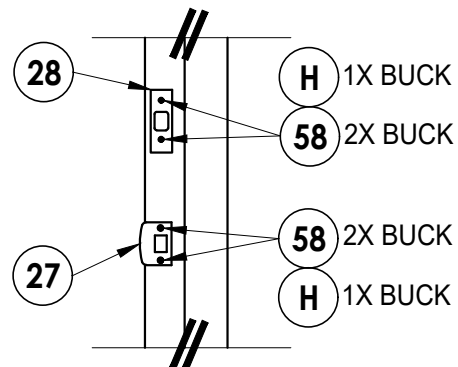
CONCRETE ANCHOR NOTES:

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:

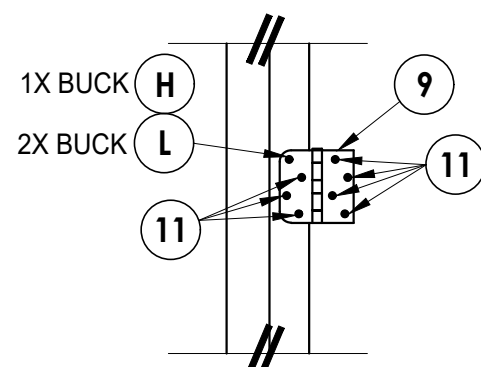
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.



LATCH & DEADBOLT DETAIL



HINGE DETAIL

Outswing

7	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
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5	8/31/20	UPDATE TO 7TH ED. (2020)	FBC	LFS
NO.	DATE			BY
				REVISIONS

DATE: 8/29/11

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14803.1

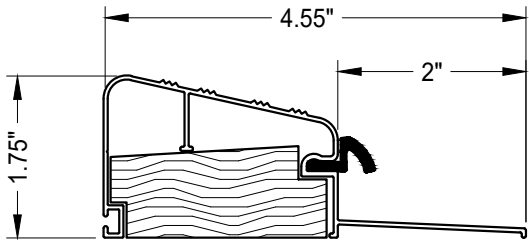
SHEET 6 OF 7

Documents Prepared By:
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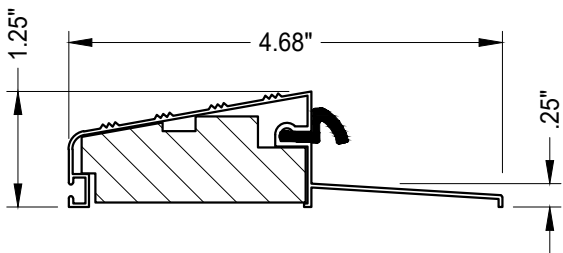
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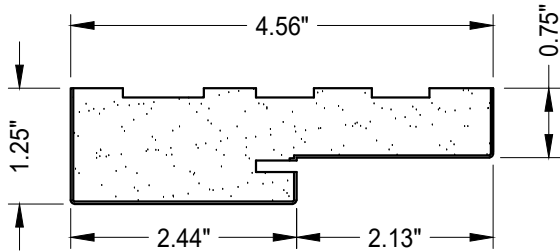
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
H	3/16" x 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
I	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
1	POLY FIBER JAMB	COMP. / VINYL
2	FINGER JOINTED PINE FRAME	WOOD
7	WEATHERSTRIP	FOAM
9	4" X 4" BUTT HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	BULB VINYL WEATHERSTRIP	VINYL
25	#12 X 1" PFH SELF DRILLING SMS	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
30	OUTSWING THRESHOLD	ALUM / WOOD
31	OUTSWING THRESHOLD	ALUM / WOOD
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
58	#8 X 2" PFH WS	STEEL
60	SECURITY SCREEN (ALUM 6063-T6) - OPTIONAL	ALUM / SS



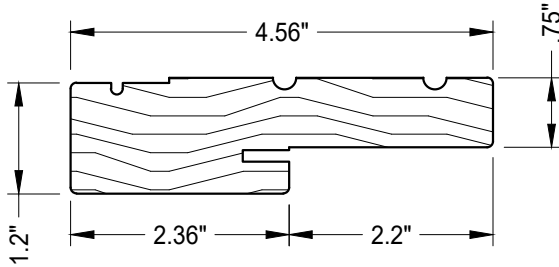
30 **OUTSWING THRESHOLD**
DLP (QOSR)



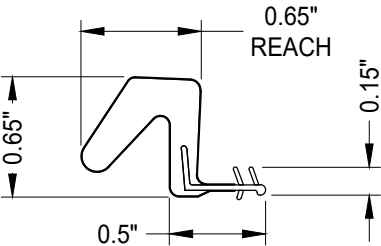
31 **OUTSWING THRESHOLD**
DLP (QOSH)



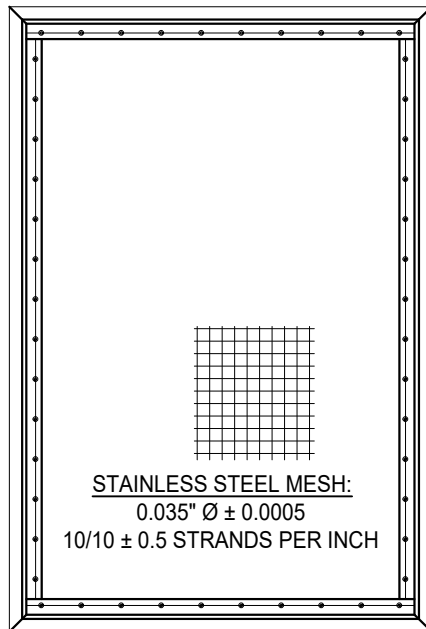
1 POLY FIBER JAMB
Plastpro



2 WOOD JAMB



7 WEATHERSTRIP
Endura Force 5



60 SECURITY SCREEN
ALUM (6063-T6)

7	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS		
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5	8/31/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS		
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SHEET 7 OF 7							

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