

WINDSERT™

Operational Window Insert Utilizing
A Fiberglass Double Door
w/ or w/out Sidelites

OUTSWING
"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.

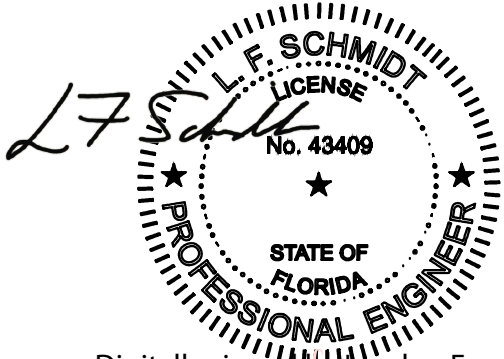
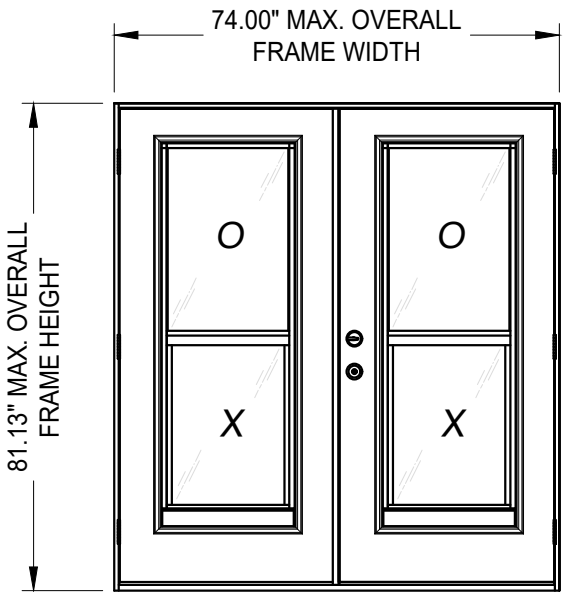
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

When used in areas requiring wind borne debris protection this product 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 E1996.
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.

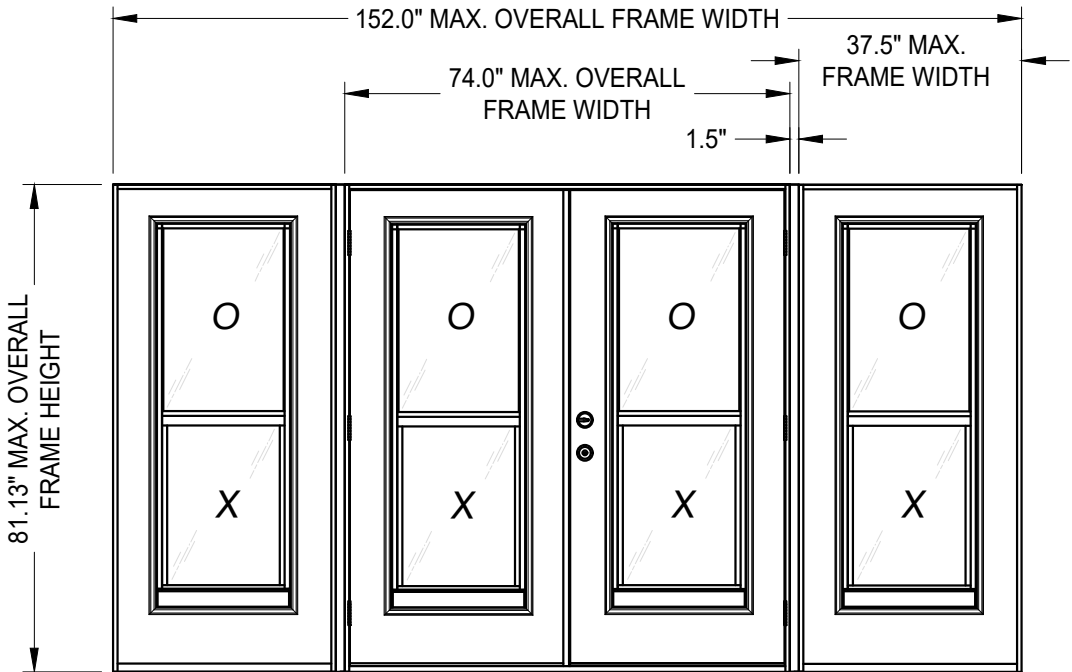
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10	Buck and frame anchoring (OXXO)
11	Astragal details
12	Bill of materials and components



Digitally signed by Lyndon F Schmidt
Date: 2026.07.22 14:46:45 -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	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
XX	74" x 81.13"	20" x 29.13"	+50.0	-55.0
OXXO	152.0" x 81.13"	20" x 29.13"	+50.0	-55.0

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

DLP
WINDSERT

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

4

7/02/26

UPDATE TO 9TH ED. (2026) FBC

LFS

3

8/09/23

UPDATE TO 8TH ED. (2023) FBC

LFS

2

8/31/20

UPDATE TO 7TH ED. (2020) FBC

JK

1

8/16/17

UPDATE TO 6TH ED. (2017) FBC

JK

NO.

DATE

BY

REVISIONS

DATE:

9/14/15

SCALE:

N.T.S.

DWG. BY:

JK

CHK. BY:

LFS

DRAWING NO.:

FL-14803.9

SHEET

1

OF

12

RW

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

Diagram illustrating the cross-section of a laminated glass unit. The unit consists of the following layers and materials:

- PECORA 896 SILICONE**: Applied to the edges of the glass.
- 3J**: A circular label indicating a specific feature or joint.
- 5/16" NOM. GLASS THK.**: The thickness of the glass pane.
- 1/8" ANNEALED**: The thickness of the annealed glass layers.
- 0.090" KURARAY TROSIFOL (BUTACITE) PVB INTERLAYER**: The interlayer material between the glass panes.
- 3/8" GLASS BITE**: The distance from the edge of the glass to the center of the interlayer.

Figure 1 shows the dimensions of the test specimen. The dimensions are as follows:

- Total height: 2.49"
- Top flange thickness: 0.157"
- Web height: 1.75"
- Bottom flange thickness: 1.91"
- Total width: 2.1"
- Top flange width: 1"

Technical drawing of a cross-section of a beam. The width of the beam is 1.43 inches, and the depth of the notch is 0.6 inches.

Technical drawing of a cross-section of a 1.5 inch wide, 1.5 inch high extruded aluminum profile. The drawing shows a complex shape with multiple flanges and a central cavity. Dimensions are provided in inches: overall width is 2.34 inches, overall height is 2.65 inches, and various internal features are dimensioned with values like 0.8, 0.44, 0.062, 2.27, 0.94, and 2.16.

1.67"

2.16"

60
SECURITY
SCREEN
(OPTIONAL)

3A 3B 3G G1 3E G1 3D 3C 3B 3A

Technical drawing of a bracket with the following dimensions:

- Overall height: 1.19"
- Height of the top flange: 0.31"
- Overall width: 1.86"
- Height of the vertical support: 1.64"
- Width of the base: 0.87"
- Width of the mounting hole: 0.062"

Technical drawing of a cross-section of a mechanical part. The dimensions are as follows:

- Top horizontal dimension: 0.81"
- Top horizontal dimension (smaller section): 0.06"
- Left vertical dimension: 1.52"
- Right vertical dimension (total): 1.9"
- Right vertical dimension (lower section): 1.12"
- Bottom horizontal dimension: 0.38"

Figure 1 shows a cross-section of a component with the following dimensions: a total width of 1.08 inches, a top flange thickness of 0.07 inches, a main body height of 0.63 inches, a total length of 0.95 inches, and a bottom flange width of 0.69 inches.

Technical drawing of a door handle assembly in cross-section. The drawing shows the internal components of the handle, including the mounting plate, the handle body, and the internal mechanism. Callouts 3B, 3A, 3H, 3J, and 3K point to specific parts of the assembly.

1 HORIZONTAL CROSS SECTION

Technical drawing of a mechanical assembly in cross-section. The assembly consists of a shaft (G1) passing through a housing (3H) and a flange (3B). A bolt (3A) is used to secure the assembly.

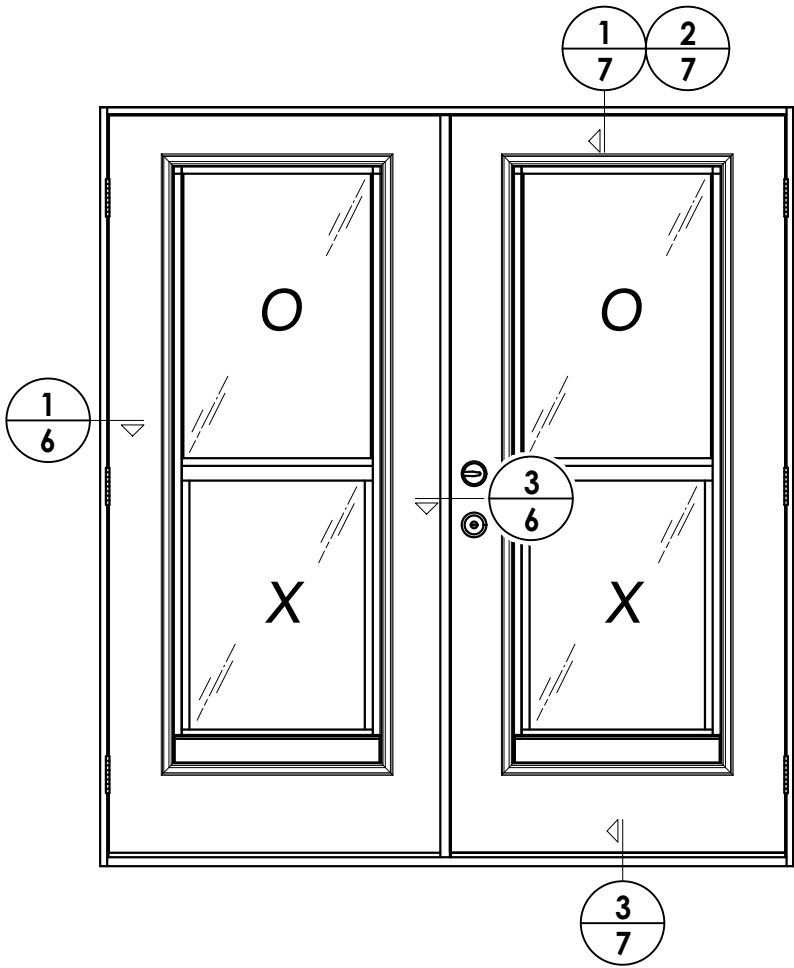
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SHEET 4 OF 12

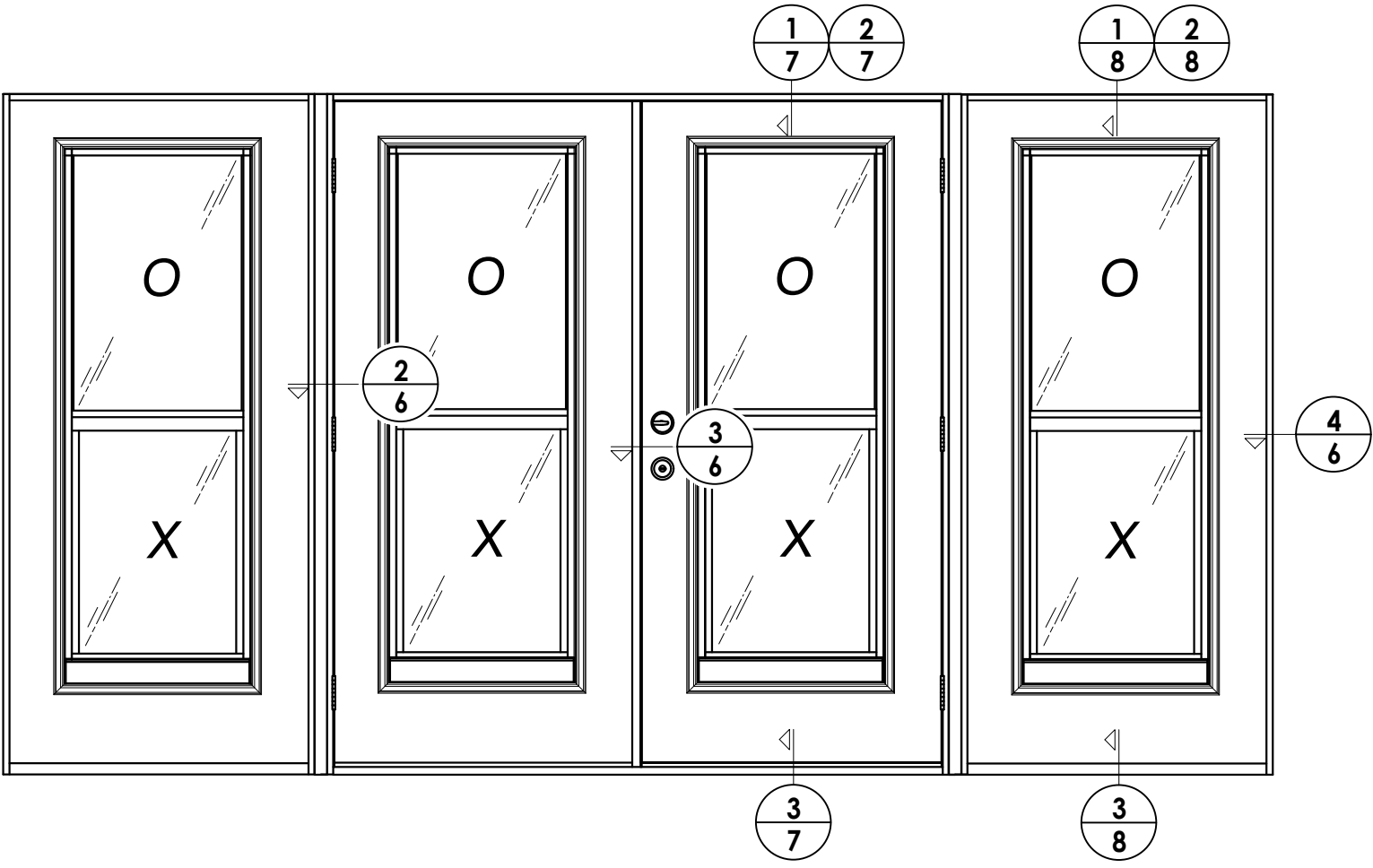
DR ASSEMBLY:
LITE FRAME DETAILS
AND GLAZING DETAILS

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Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R7 Ext Doors\FL-14803.7-9.dwg



ELEVATION (XX)



ELEVATION (OXXO)

NO.	DATE	REVISIONS	
		JK	BY
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC	LFS
2	8/31/20	UPDATE TO 7TH ED. (2020) FBC	LFS
1	8/16/17	UPDATE TO 6TH ED. (2017) FBC	JK

DATE:	9/14/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.9
SHEET	5 OF 12

PRODUCT:		DLP WINDSERT
PART OR ASSEMBLY:		ELEVATIONS

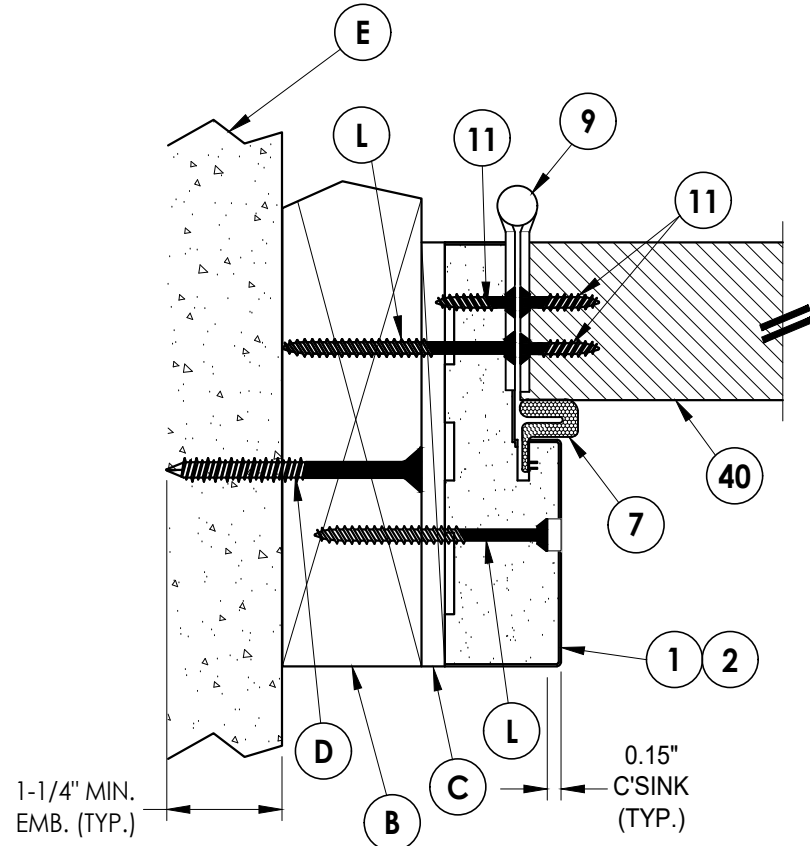
Documents Prepared By:
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FBPE Registry No. 9813

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NOTE:

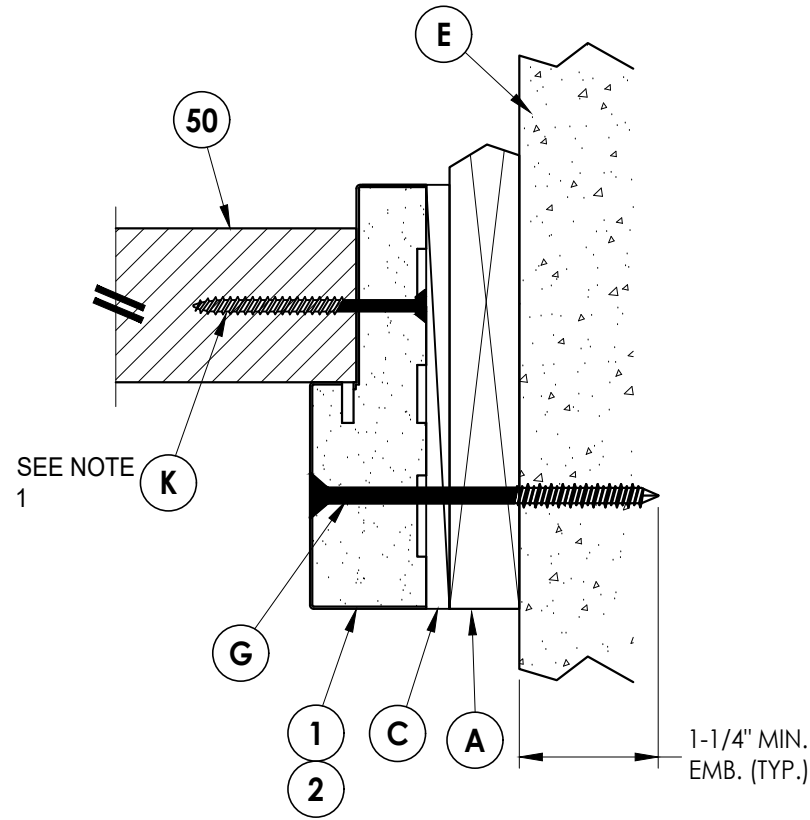
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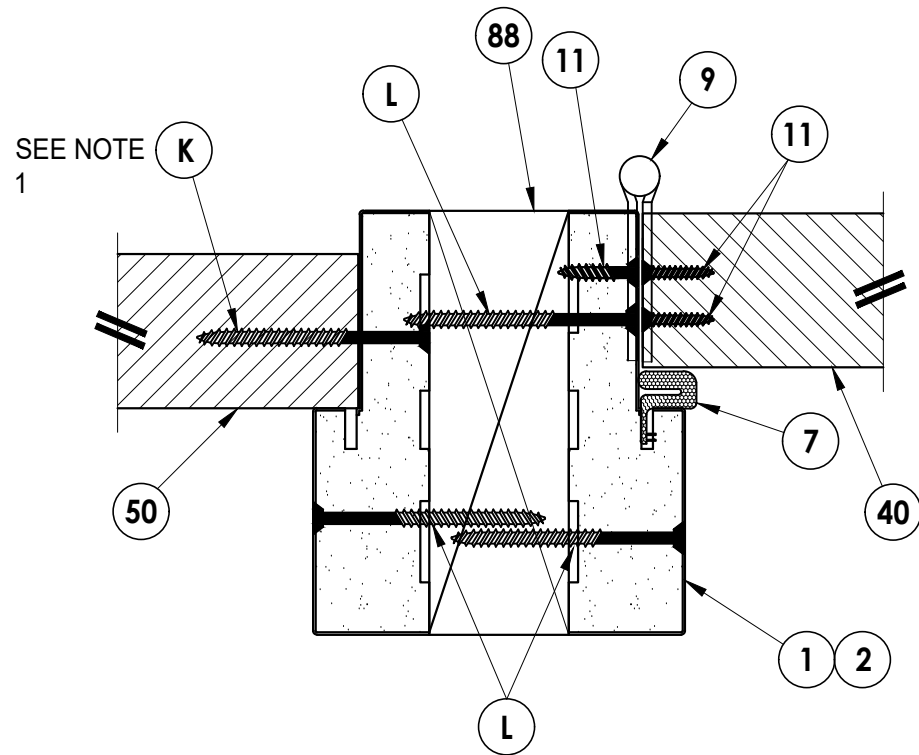
1
6 HORIZONTAL CROSS SECTION

EXTERIOR

INTERIOR



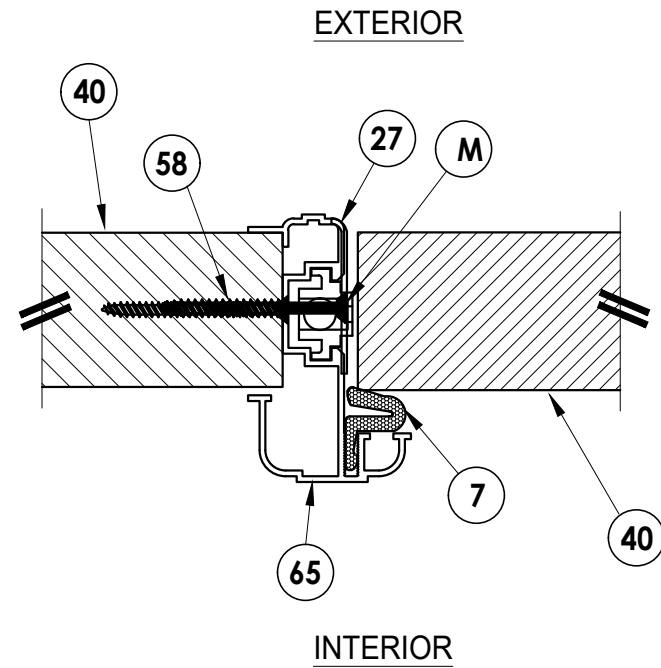
4
6 HORIZONTAL CROSS SECTION
Shown w/ 1X sub-buck



2
6 HORIZONTAL CROSS SECTION

EXTERIOR

INTERIOR



3
6 HORIZONTAL CROSS SECTION

EXTERIOR

INTERIOR

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: DLP WINDSERT
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO.	DATE	BY
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC
2	8/31/20	UPDATE TO 7TH ED. (2020) FBC
1	8/16/17	UPDATE TO 6TH ED. (2017) FBC

DATE: 9/14/15

SCALE: N.T.S.

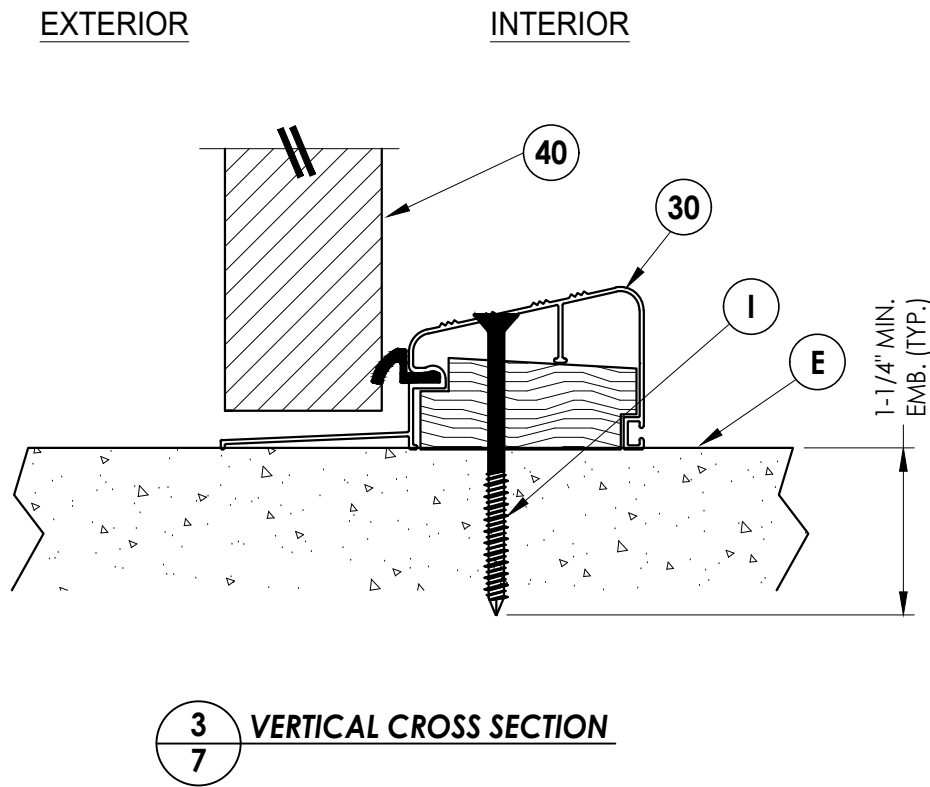
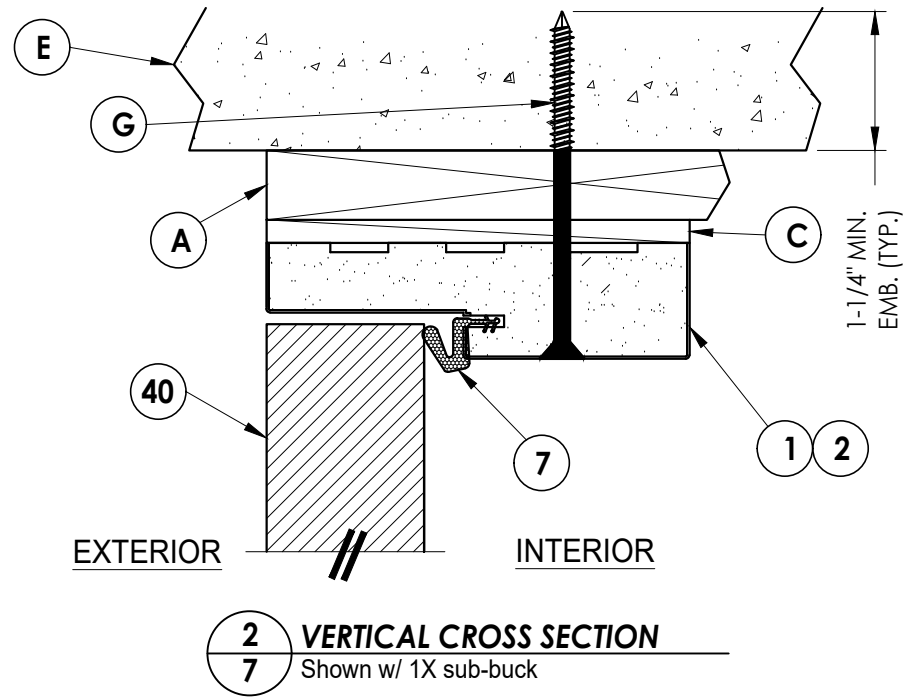
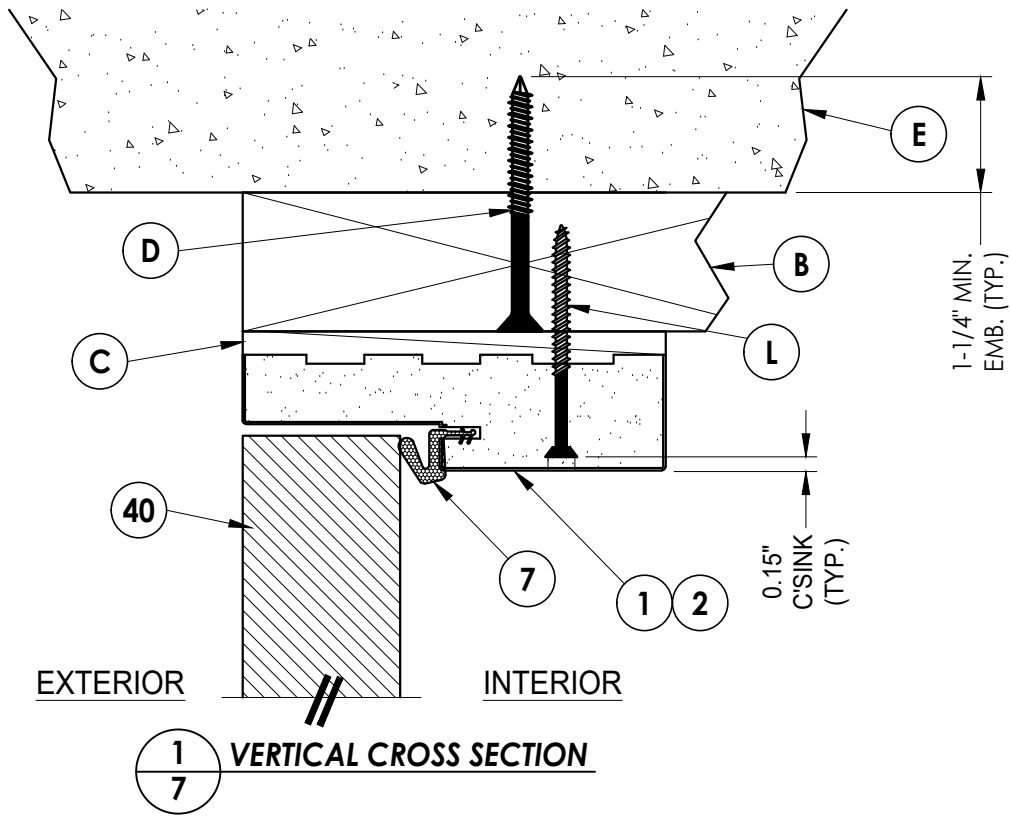
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-14803.9

SHEET 6 OF 12

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DATE:	9/14/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.9
SHEET	7 OF 12

PRODUCT:	DLP WINDSERT
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

Documents Prepared By:	Lyndon F. Schmidt P.E. No. 43409
	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813

1. Spacing for item K:
6" from each end
and at centerline.



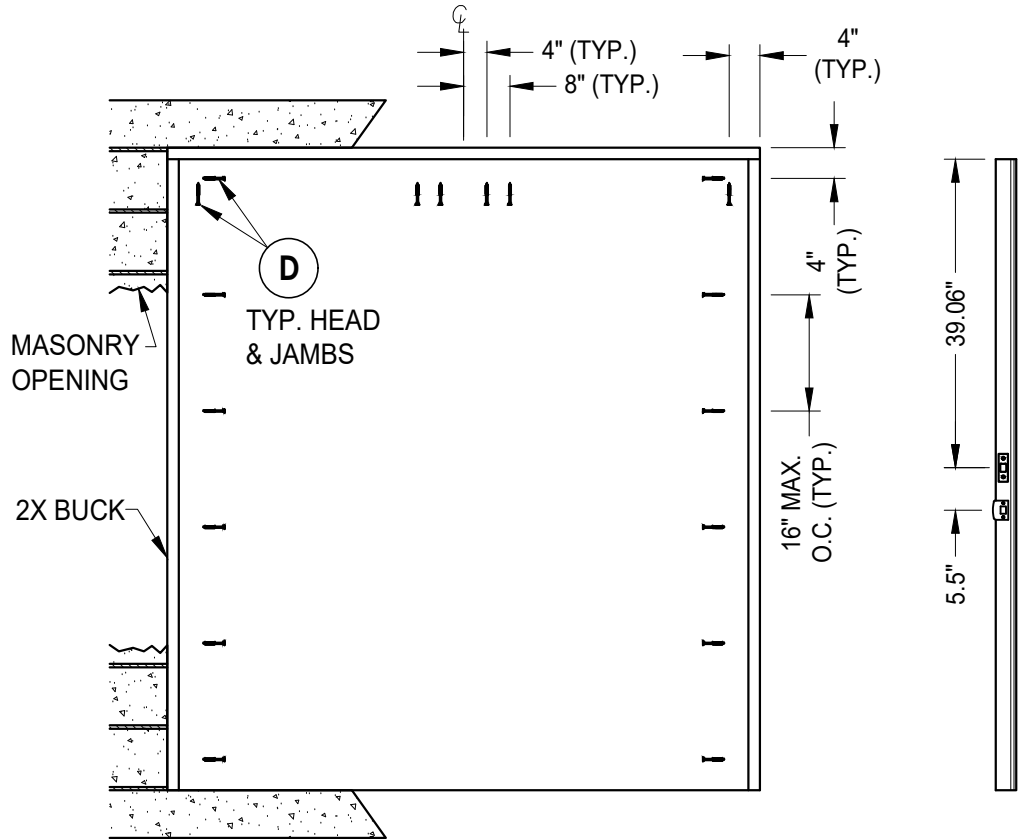
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3	8/09/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
2	8/31/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS
1	8/16/17	UPDATE TO 6TH ED.	(2017)	FBC	JK
NO.	DATE				
REVISIONS					
DATE: 9/14/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-14803.9					
SHEET 8 OF 12					

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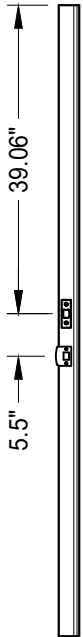
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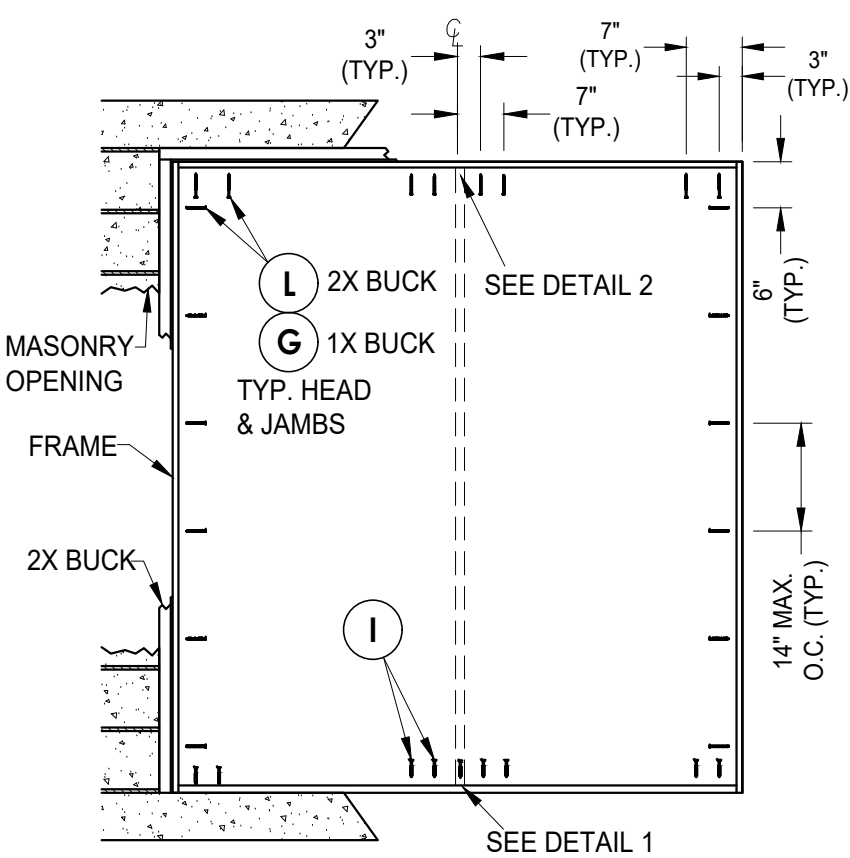
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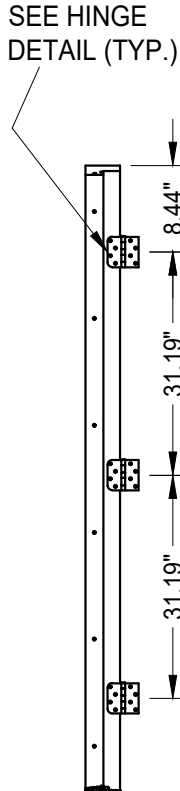
BUCK ANCHORING
XX



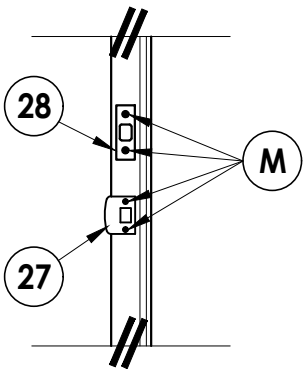
ASTRAGAL STRIKE JAMB



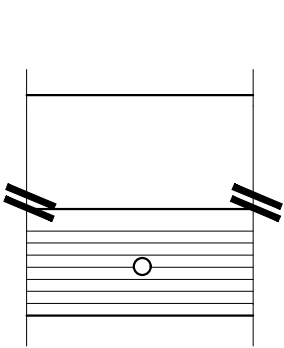
FRAME ANCHORING
XX



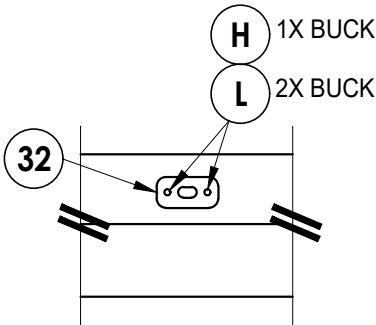
HINGE JAMB



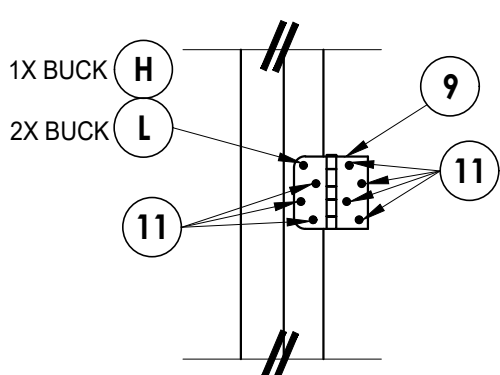
LATCH & DEAD BOLT DETAIL



DETAIL 1
Astragal throw bolts
at the threshold
(Outswing)



DETAIL 2
Attach astragal throw bolt
strike plate to frame
as shown



HINGE DETAIL
Outswing

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"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	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.

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PRODUCT:

DLP
WINDSERT

PART OR ASSEMBLY:

BUCK AND FRAME ANCHORING
(XX)

DATE: 9/14/15

SCALE: N.T.S.

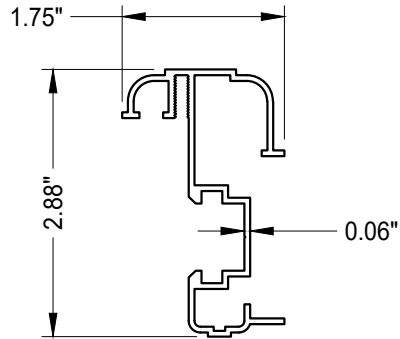
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CHK. BY: LFS

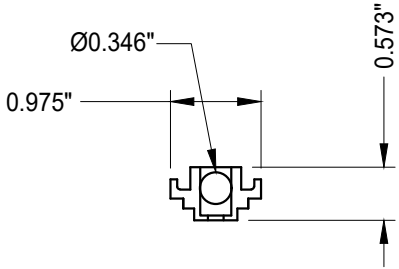
DRAWING NO.:
FL-14803.9

SHEET 9 OF 12

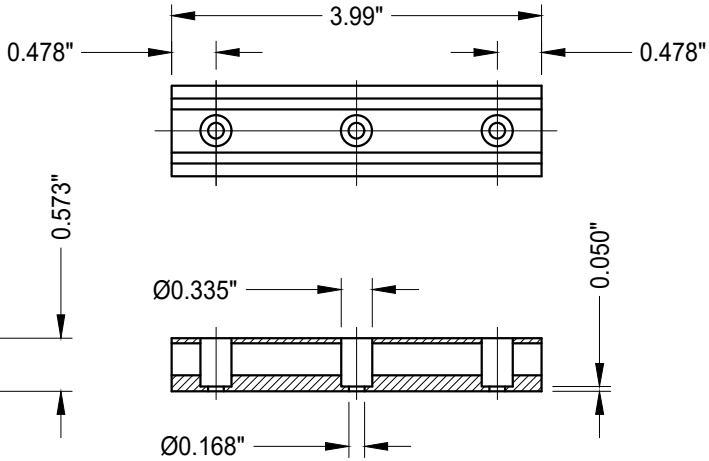
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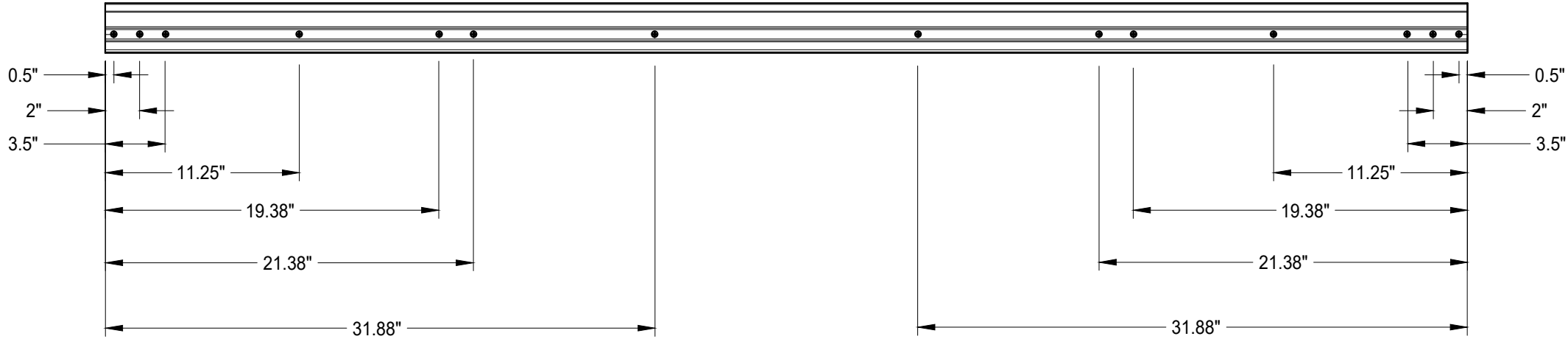
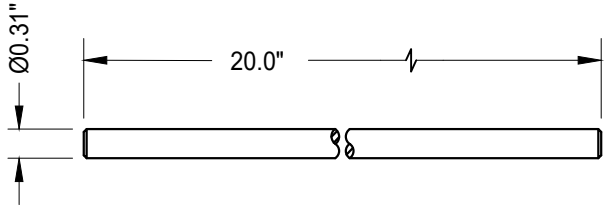
65 ASTRAGAL
DLP



66 CONCEALED STIFFENER



67 SLIDE BOLT ROD
Typ. top & bottom
of astragal
top through 1.98"
bottom through 1.98"



ASTRAGAL SCREW LOCATIONS

NO.	DATE	REVISIONS
4	7/02/26	UPDATE TO 9TH ED. (2026) FBC LFS
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC LFS
2	8/31/20	UPDATE TO 7TH ED. (2020) FBC LFS
1	8/16/17	UPDATE TO 6TH ED. (2017) FBC JK
		BY

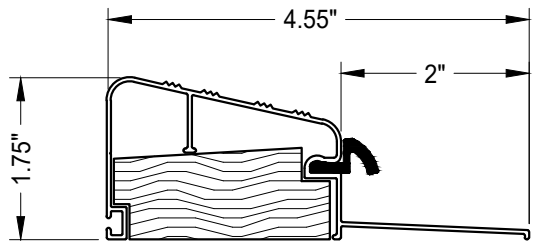
DATE:	9/14/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.9
SHEET	11 OF 12

PRODUCT:	DLP WINDSERT
PART OR ASSEMBLY:	ASTRAGAL DETAIL

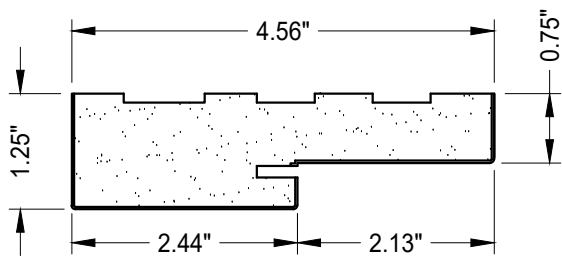
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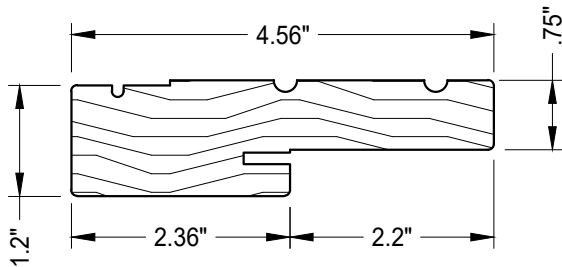
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" X 3-3/4" PFH 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
K	#9 X 2-1/2" PFH WOOD SCREW	STEEL
L	#8 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	#8 X 1-1/2" PFH WOOD SCREW	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 (SECURITY)	STEEL
30	OUTSWING THRESHOLD	ALUM/WOOD
32	ASTRAGAL STRIKE PLATE	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS	-
58	#8 X 2" PFH WS	STEEL
60	SECURITY SCREEN (ALUM 6063-T6) - OPTIONAL	ALUM / SS
65	DLP ASTRAGAL	ALUM
66	CONCEALED STIFFENER	ALUM
67	SLIDE BOLT ROD	ALUM
88	2X REINFORCEMENT SG >= 0.55	WOOD



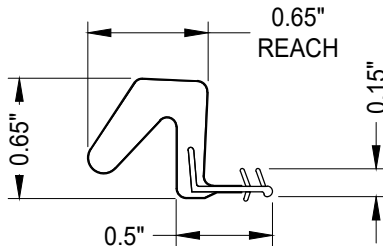
30 OUTSWING THRESHOLD



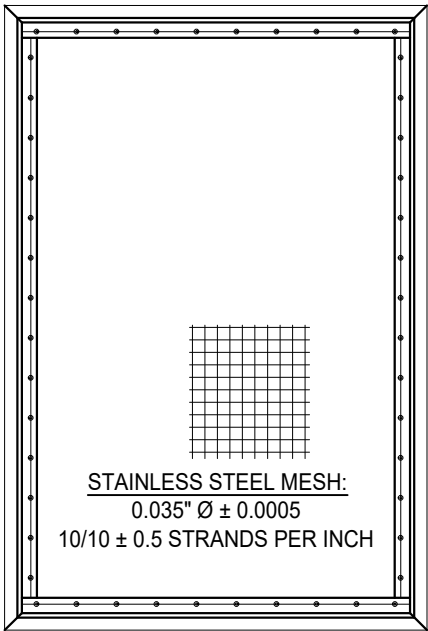
1 **POLY FIBER JAMB**
Plastpro



2 WOOD JAMB



7 WEATHERSTRIP
Endura Force 5



60 SECURITY SCREEN
ALUM (6063-T6)

[illegible]

DATE: 9/14/15

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-14803.9

SHEET 12 OF 12

Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33
Phone No.: 813.659.9197
FBPE Registry No. 9813

WINDSERI

ASSEMBLY:

**BILL OF MATERIALS
AND COMPONENTS**

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