

WINDSERT™

Operational Window Insert

Utilizing

A Fiberglass Double Door

w/ or w/out Sidelites

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.

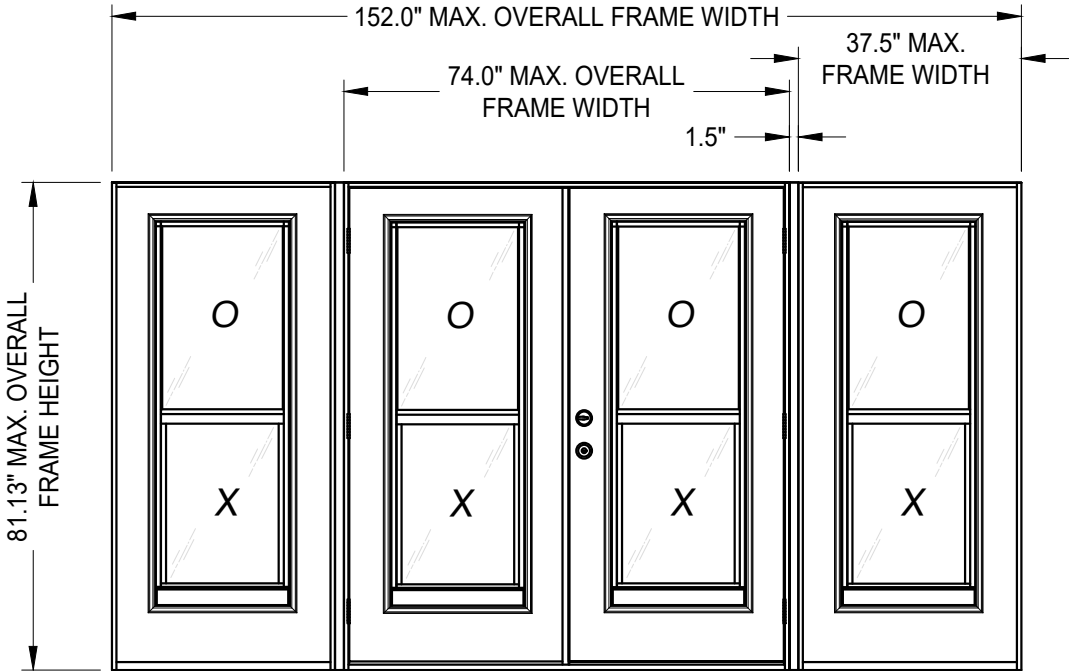
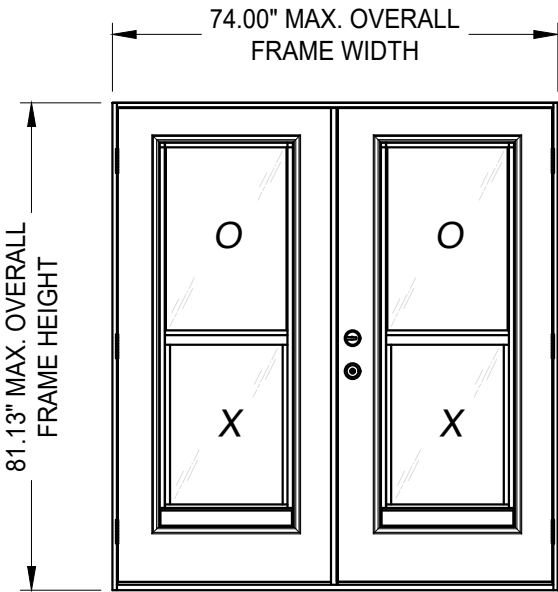
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

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.

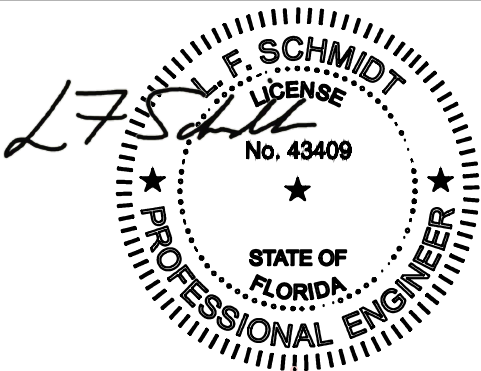
For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5.

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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SHEET#	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details
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10	Buck and frame anchoring (OXXO)
11	Astragal details
12	Bill of materials and components



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



Digitally signed by Lyndon F Schmidt
Date: 2026.07.22 14:46:32 -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:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

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. 1
DATE

BY

REVISIONS

DATE: 8/29/11

SCALE: N.T.S.

DWG. BY: JK

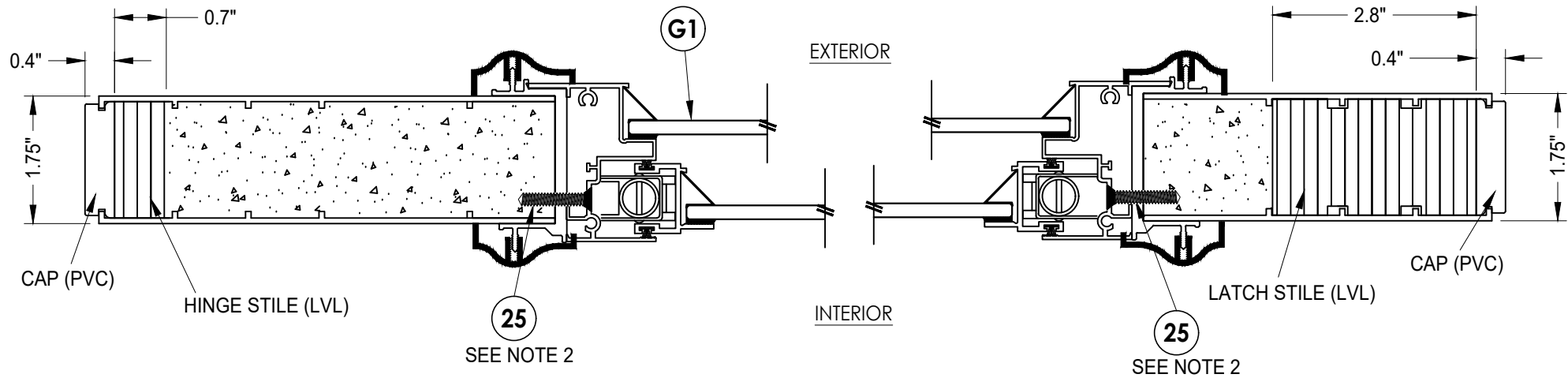
CHK. BY: LFS

DRAWING NO.: FL-14803.3

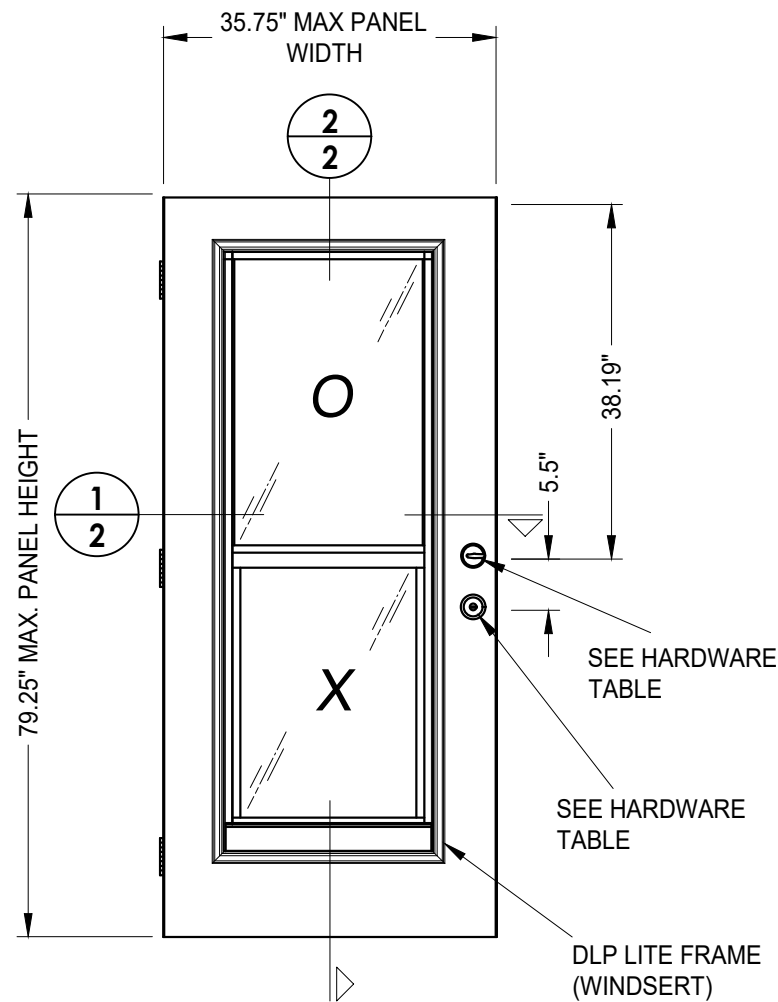
SHEET 1 OF 12

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

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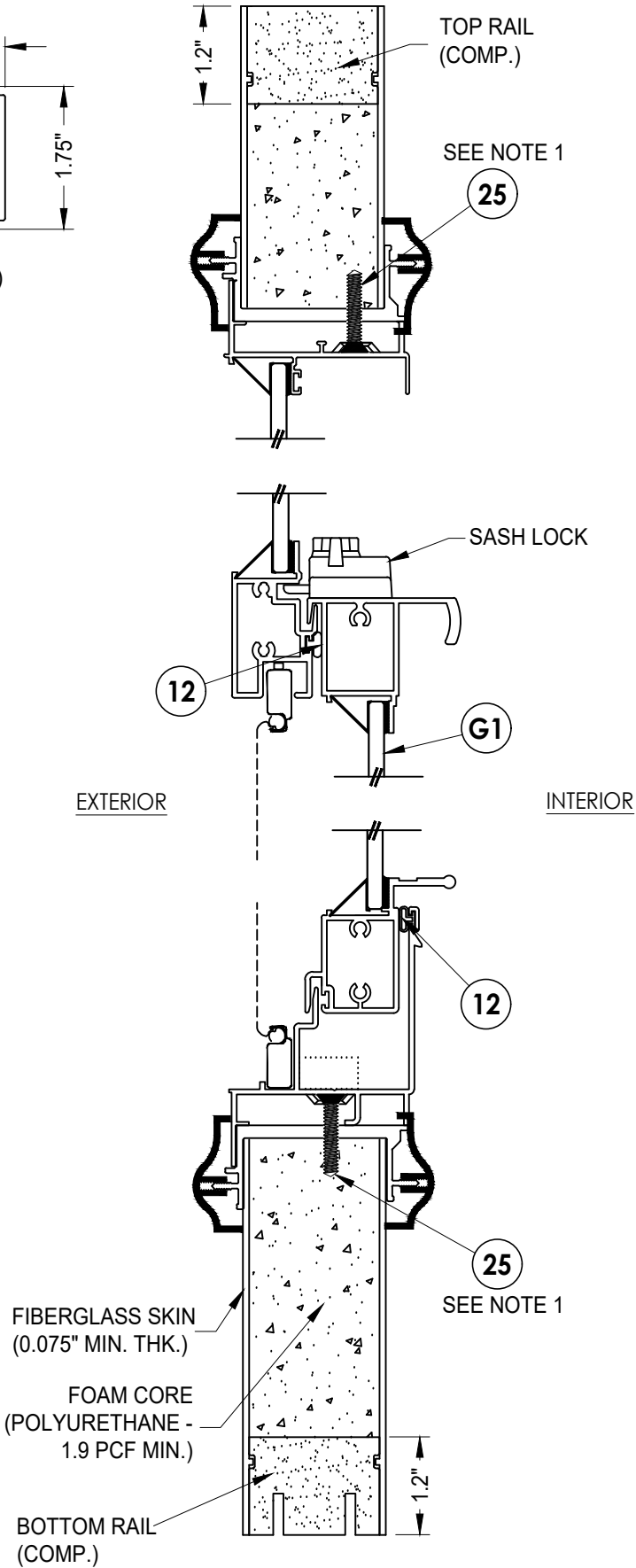
1
2 HORIZONTAL CROSS SECTION



40 DOOR PANEL
Plastro

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	KWIKSET SERIES
	DEADBOLT:	KWIKSET SERIES (660)
YALE	LEVER:	YH COLLECTION
	DEADBOLT:	NEW TRADITIONS (800 SERIES)
SCHLAGE	KNOB:	F-SERIES
	DEADBOLT:	B60 / 62
YALE	KNOB:	YH COLLECTION
	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

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

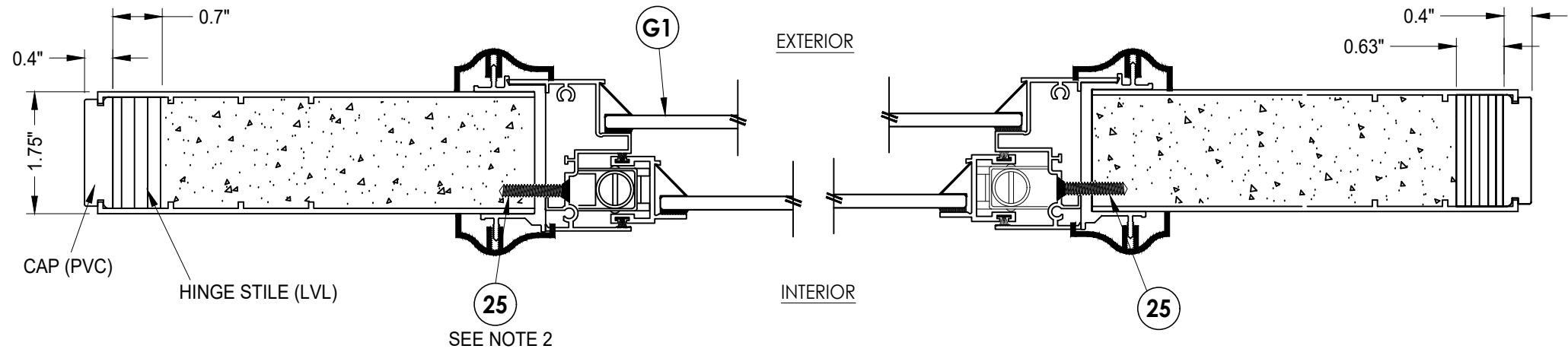
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	DLP WINDSERT	
	PART OR ASSEMBLY: DOOR PANEL DETAILS	

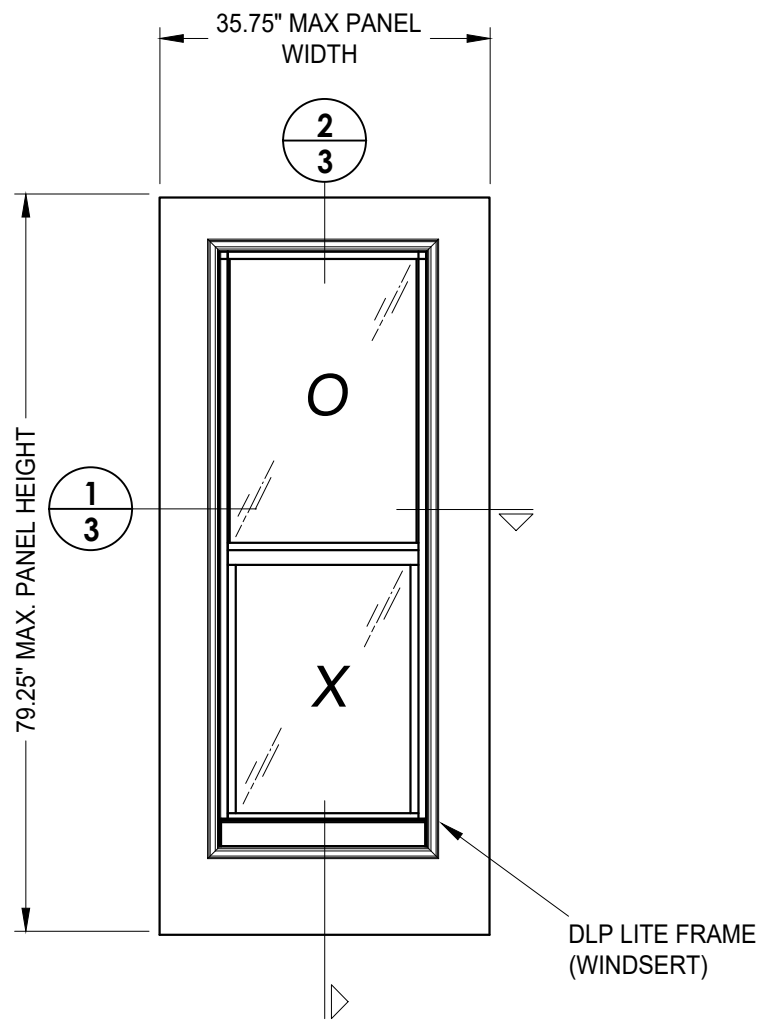
REVISIONS			
NO.	DATE	BY	
7	7/02/26	UPDATE TO 9TH ED. (2026) FBC	LFS
6	8/09/23	UPDATE TO 8TH ED. (2023) FBC	LFS
5	8/31/20	UPDATE TO 7TH ED. (2020) FBC	LFS

DATE: 8/29/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14803.3
SHEET 2 OF 12

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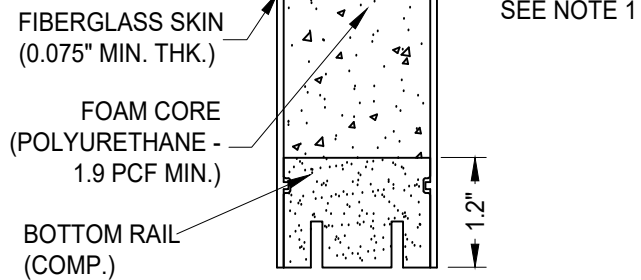
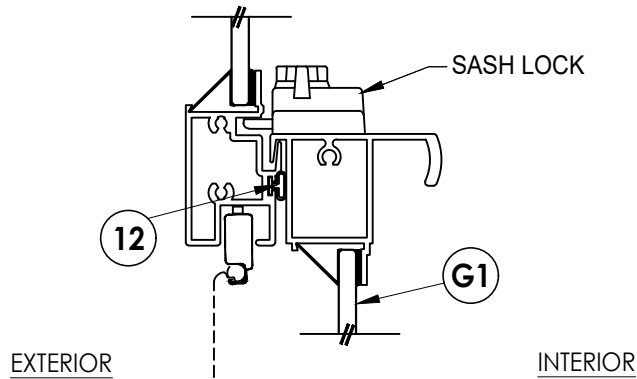
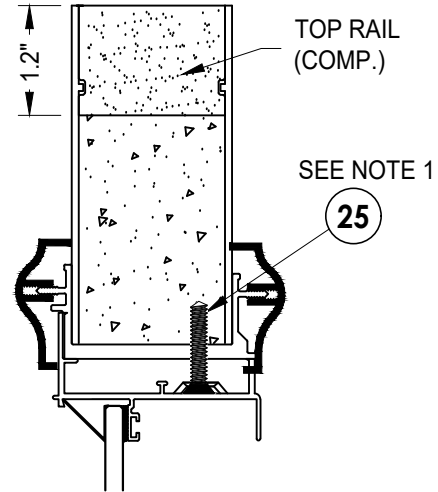


1
3 HORIZONTAL CROSS SECTION



50 SIDELITE PANEL
Plastpro

- 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
3 VERTICAL CROSS SECTION

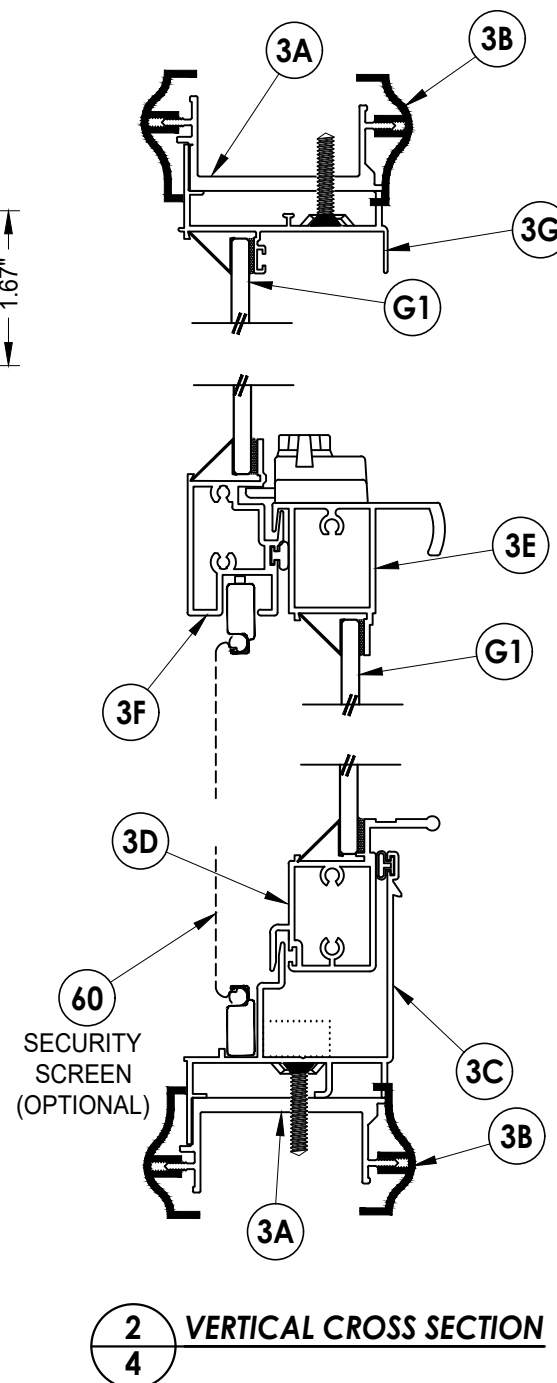
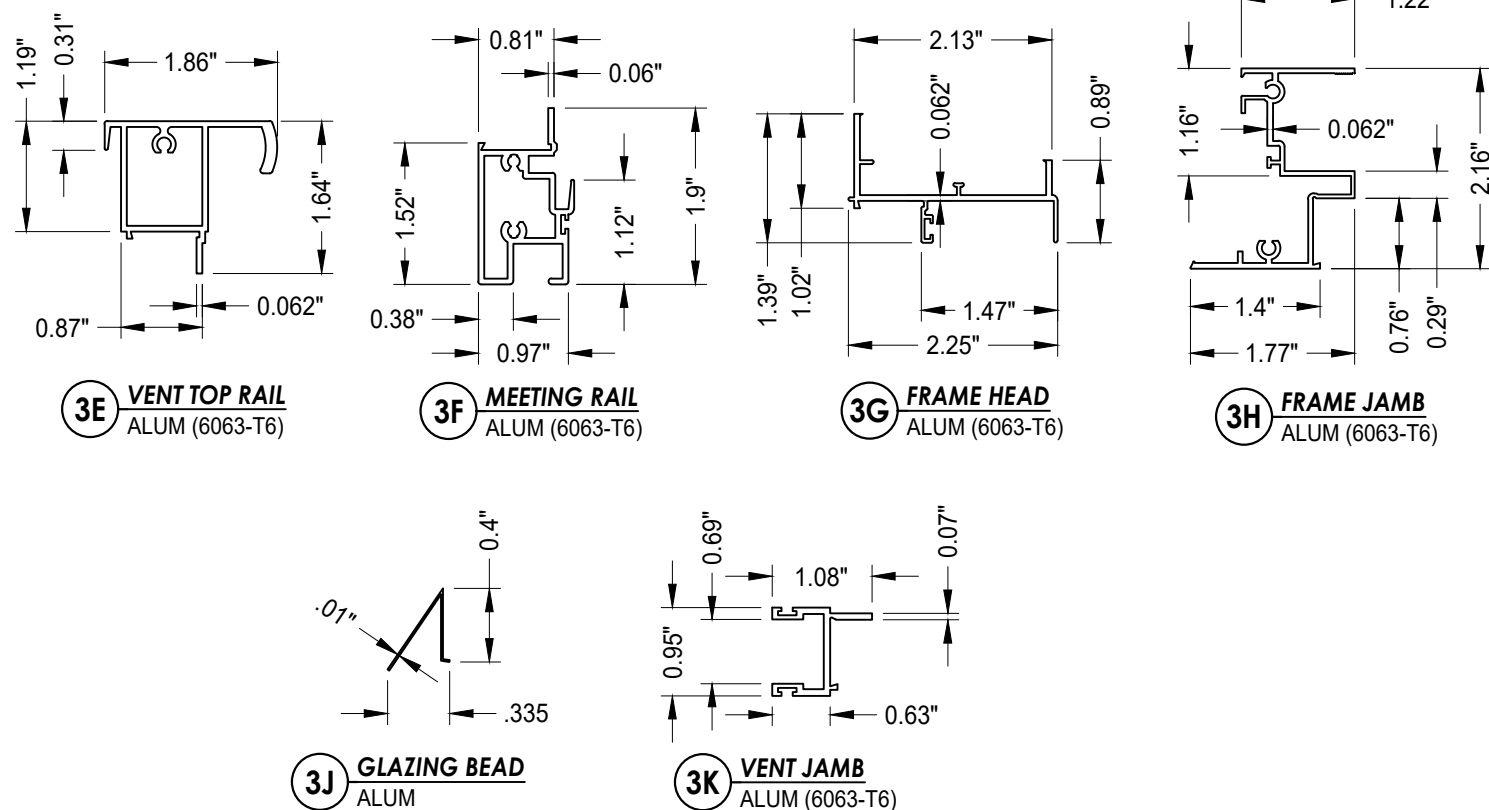
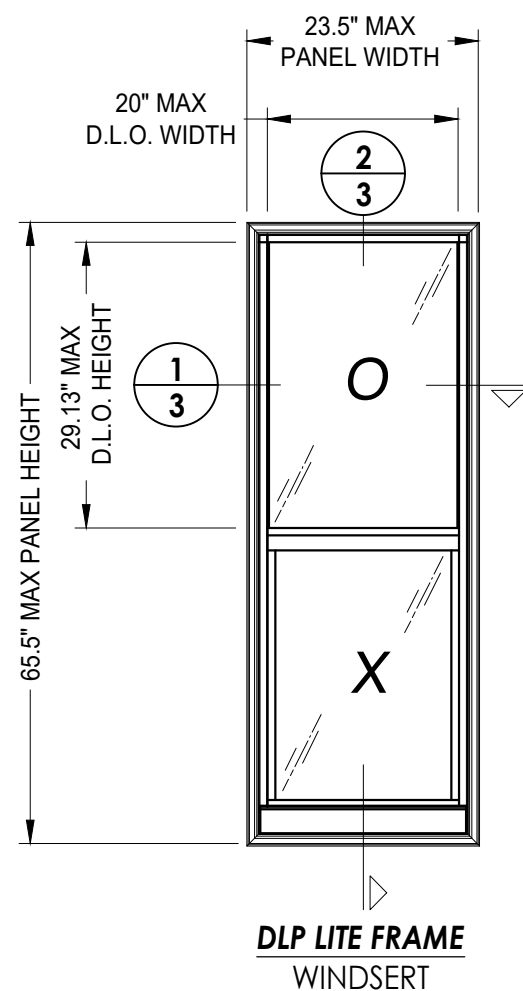
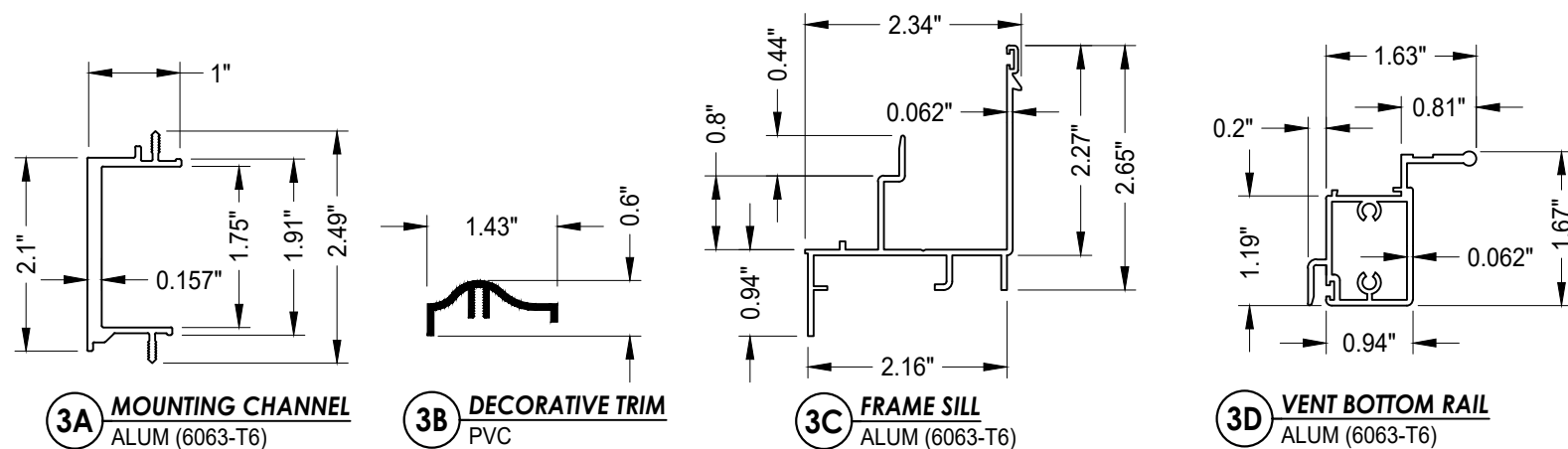
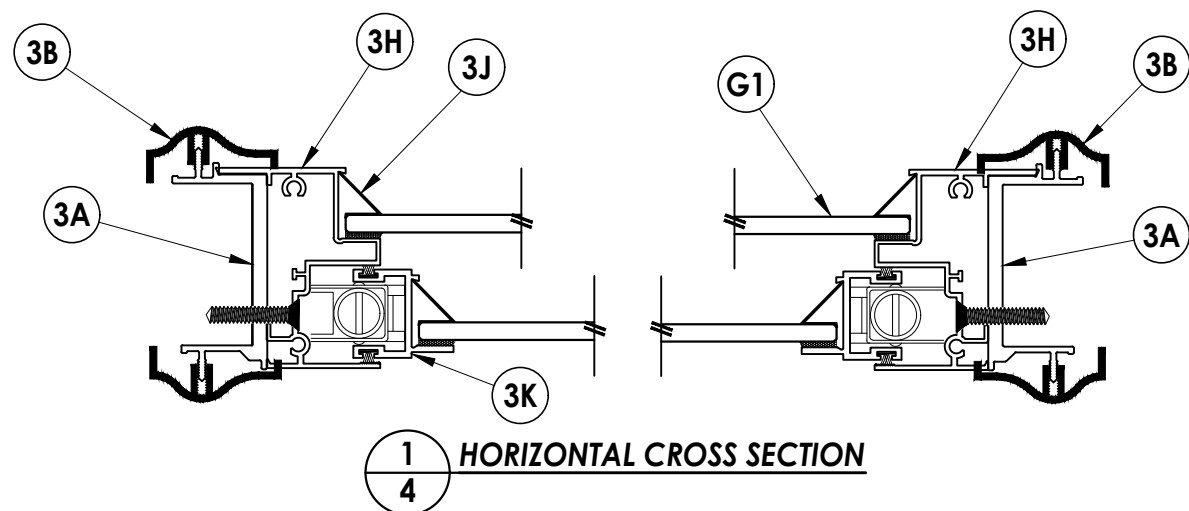
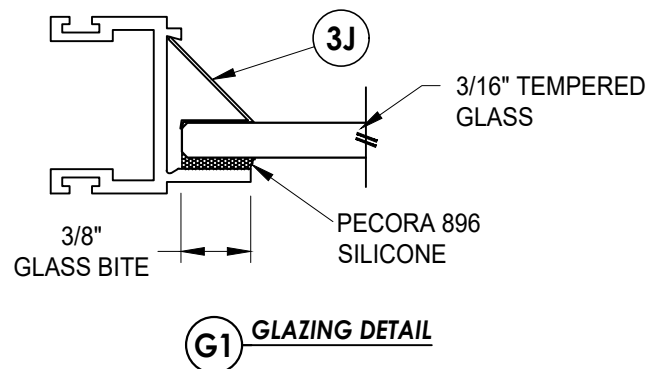
Documents Prepared By:
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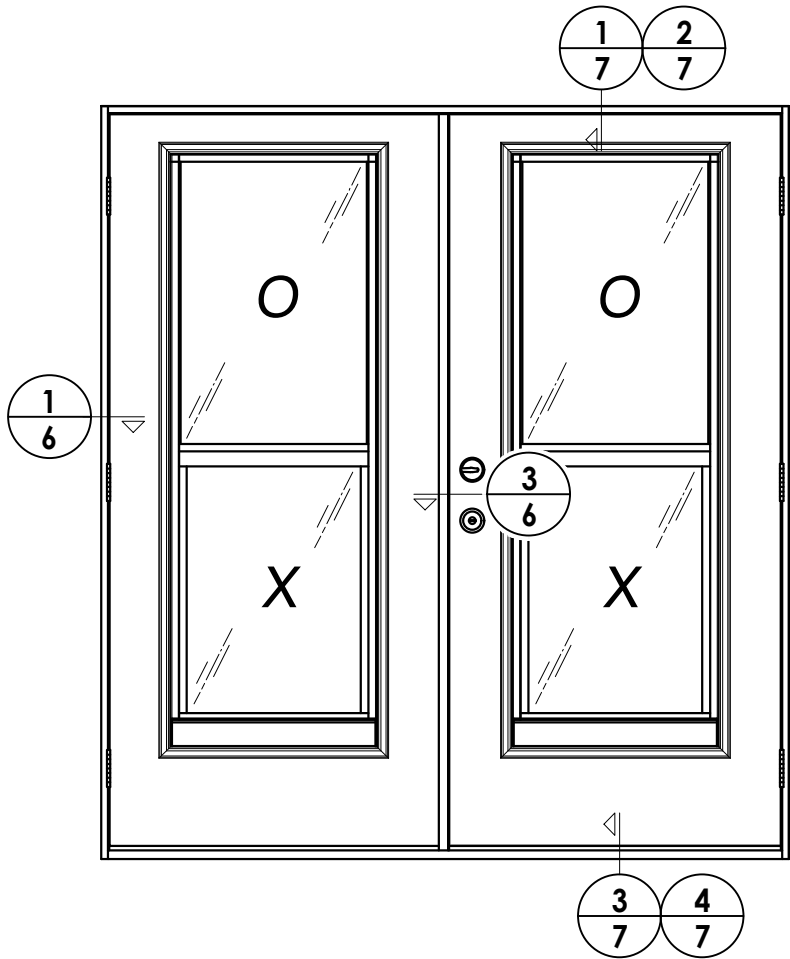
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	PART OR ASSEMBLY: SIDELITE PANEL DETAILS		

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

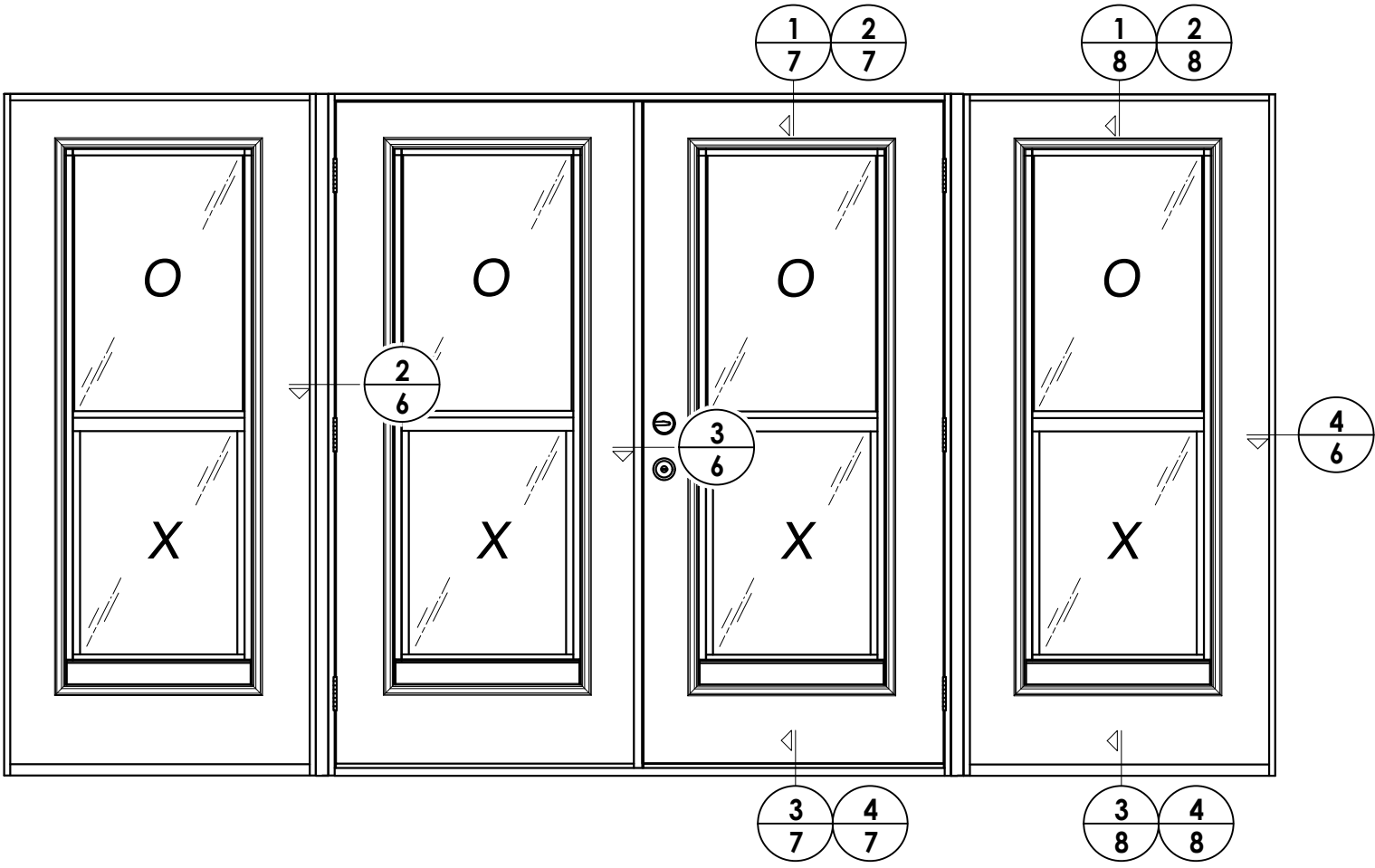
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.3
SHEET	3 OF 12

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ELEVATION (XX)



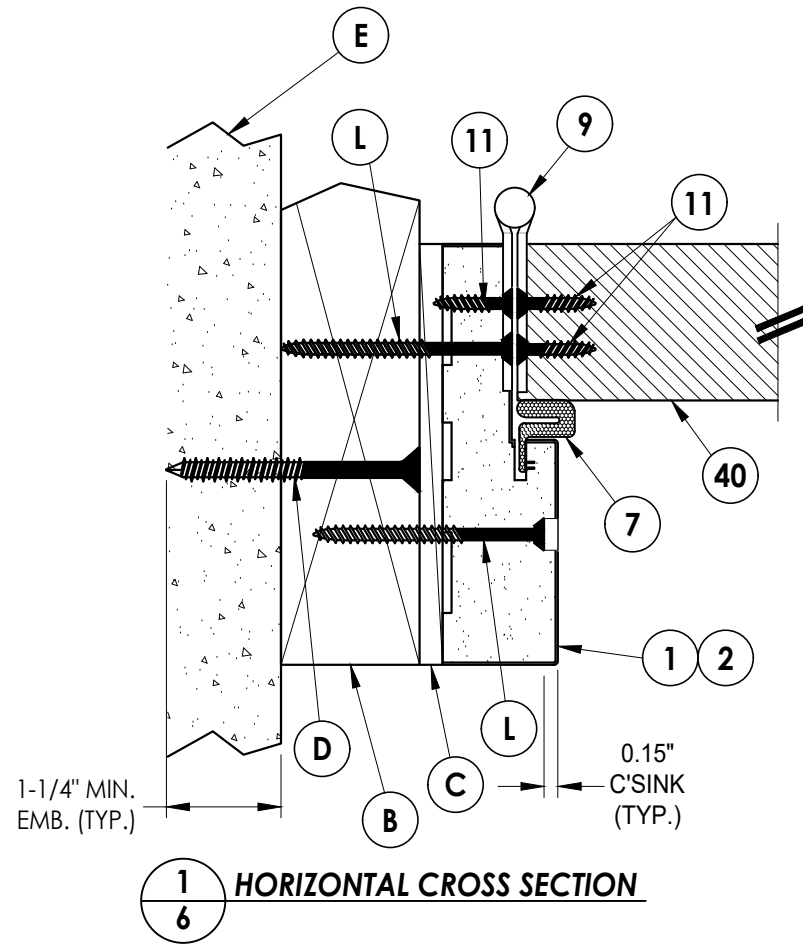
ELEVATION (OXXO)

DATE: 8/29/11	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-14803.3	
SHEET 5 OF 12	
NO.	DATE
	7 7/02/26
	6 8/09/23
	5 8/31/20
	4 8/31/20
REVISIONS	
	UPDATE TO 9TH ED. (2026) FBC LFS
	UPDATE TO 8TH ED. (2023) FBC LFS
	UPDATE TO 7TH ED. (2020) FBC LFS
	BY

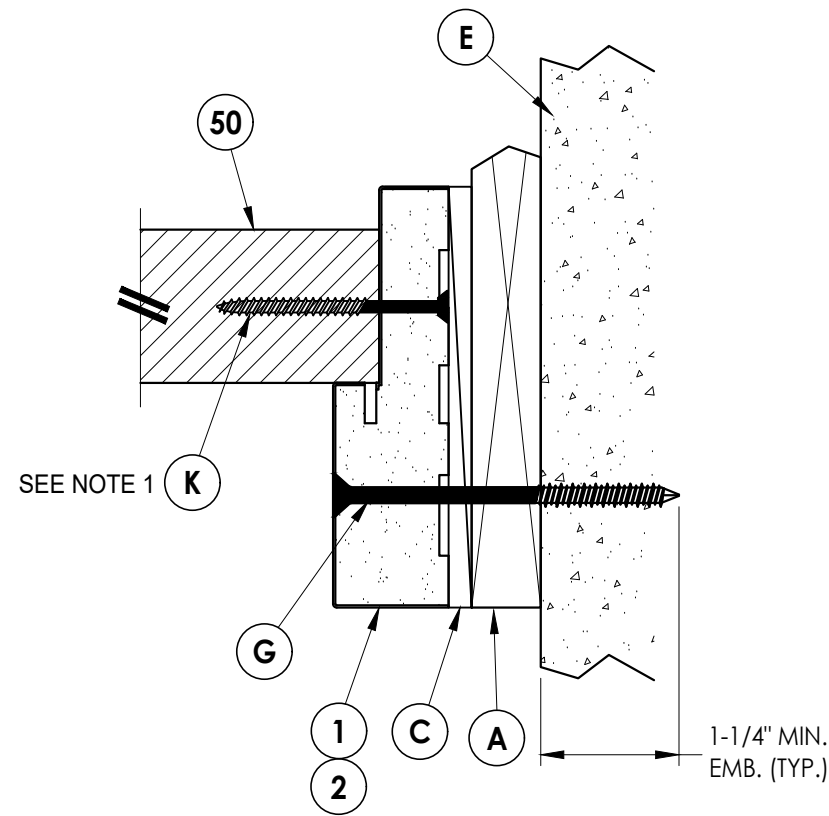
PRODUCT:	
DLP WINDSERT	
PART OR ASSEMBLY:	
ELEVATIONS	

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

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

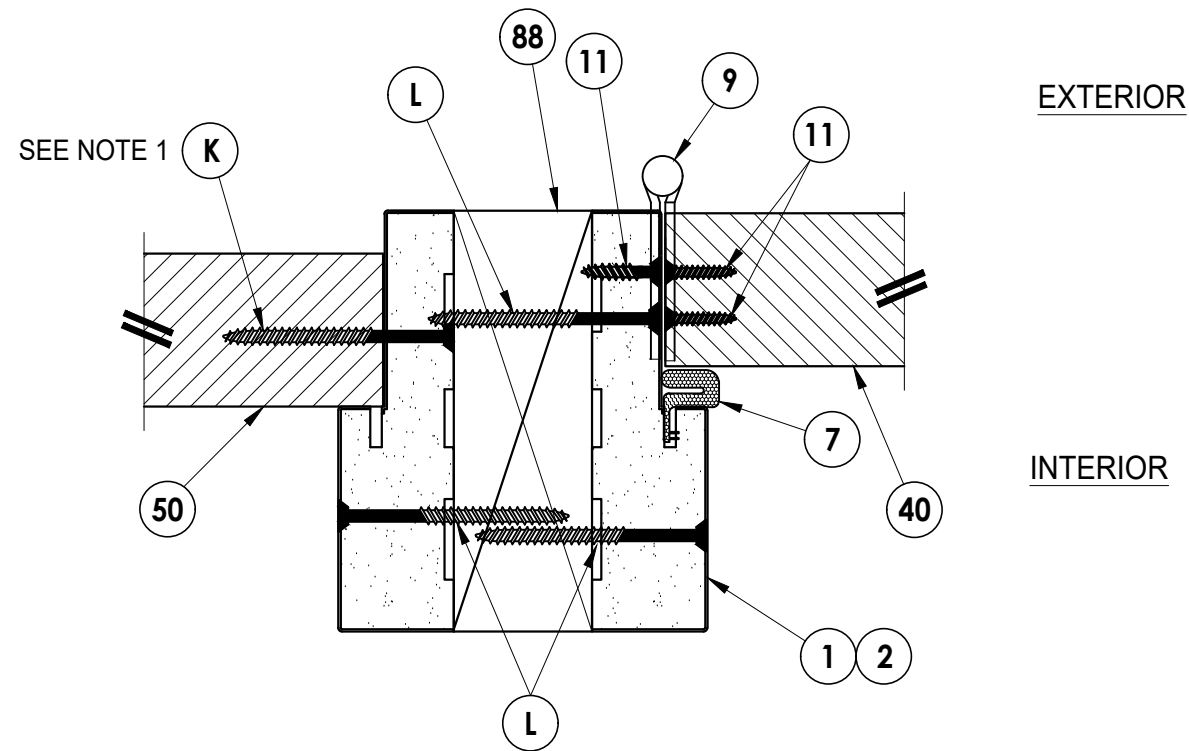


1 **HORIZONTAL CROSS SECTION**
6

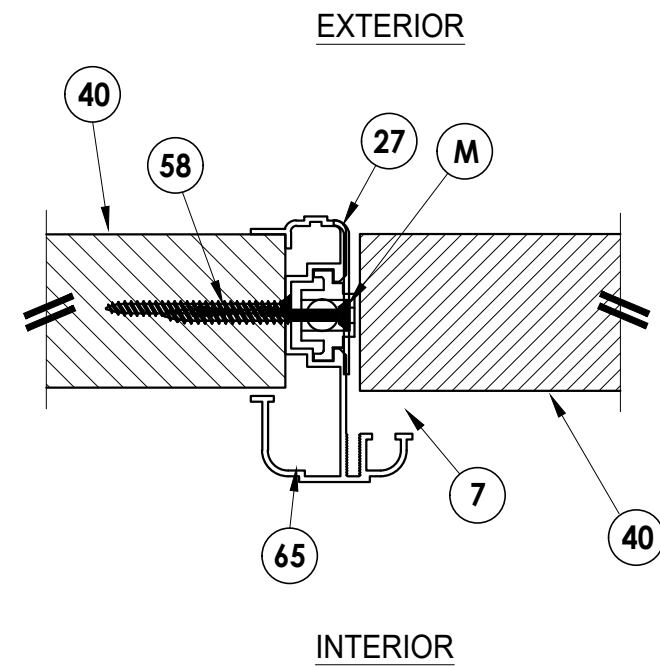


4 HORIZONTAL CROSS SECTION

6 Shown w/1X sub-buck



2 6 HORIZONTAL CROSS SECTION



3 6 HORIZONTAL CROSS SECTION

EXTERIOR

INTERIOR

EXTERIOR

INTERIOR

EXTERIOR

INTERIOR

NOTE:

1. Spacing for item K: 6" from ends and 7 more equally spaced along sidelite (9 total).

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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: DLP WINDSERT

HORIZONTAL
CROSS SECTIONS

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DATE: 8/29/11

SCALE: N.T.S.

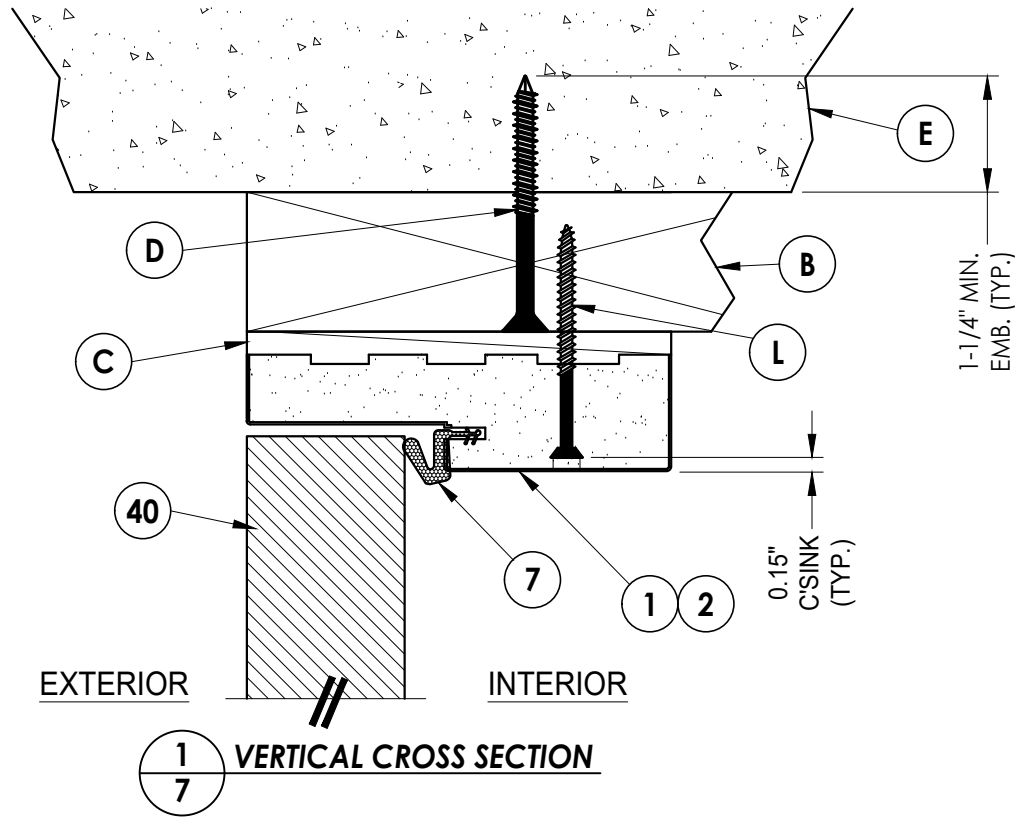
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CHK. BY: LFS

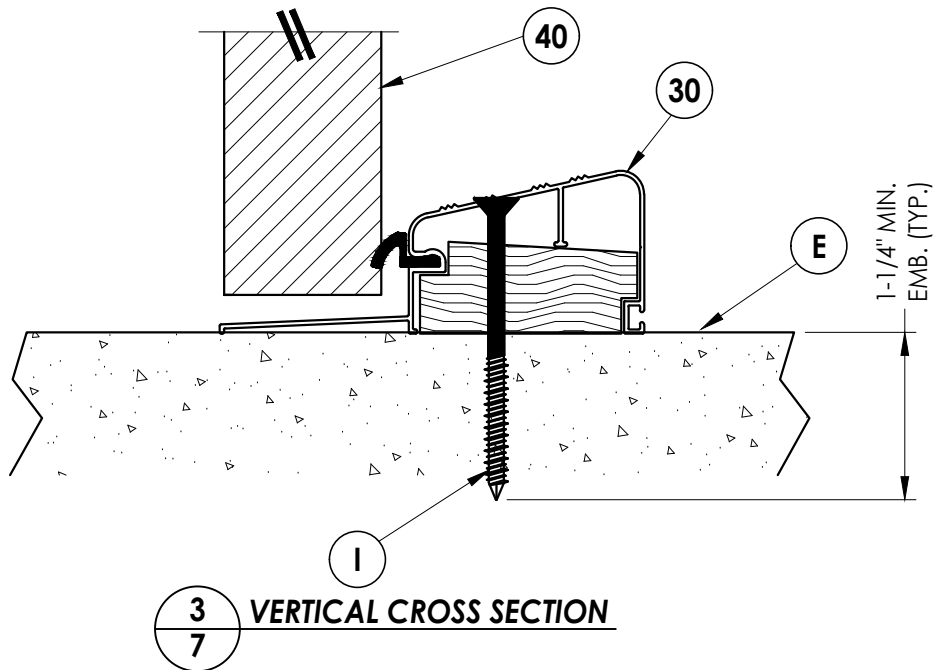
DRAWING NO.:
FL-14803.3

SHEET 6 OF 12

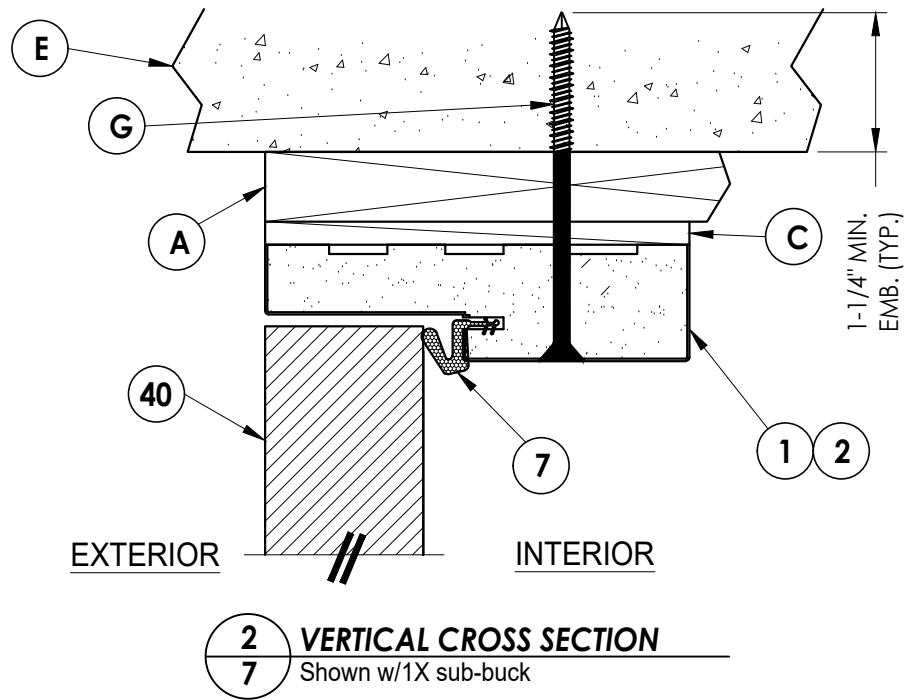
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EXTERIOR INTERIOR

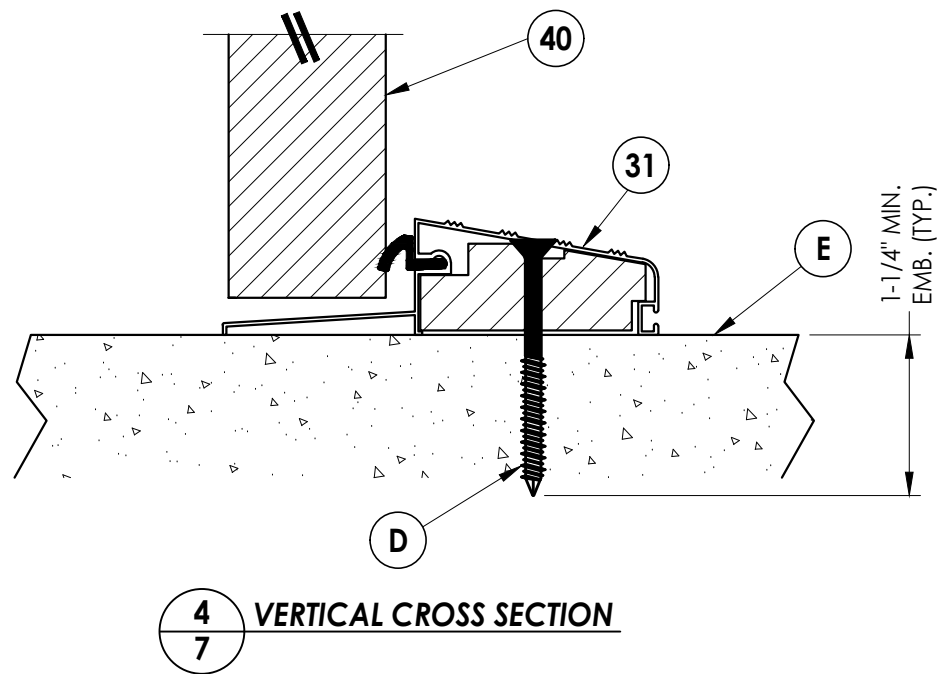


EXTERIOR INTERIOR



EXTERIOR INTERIOR

EXTERIOR INTERIOR



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

PRODUCT: DLP WINDSERT
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

NO.	DATE	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

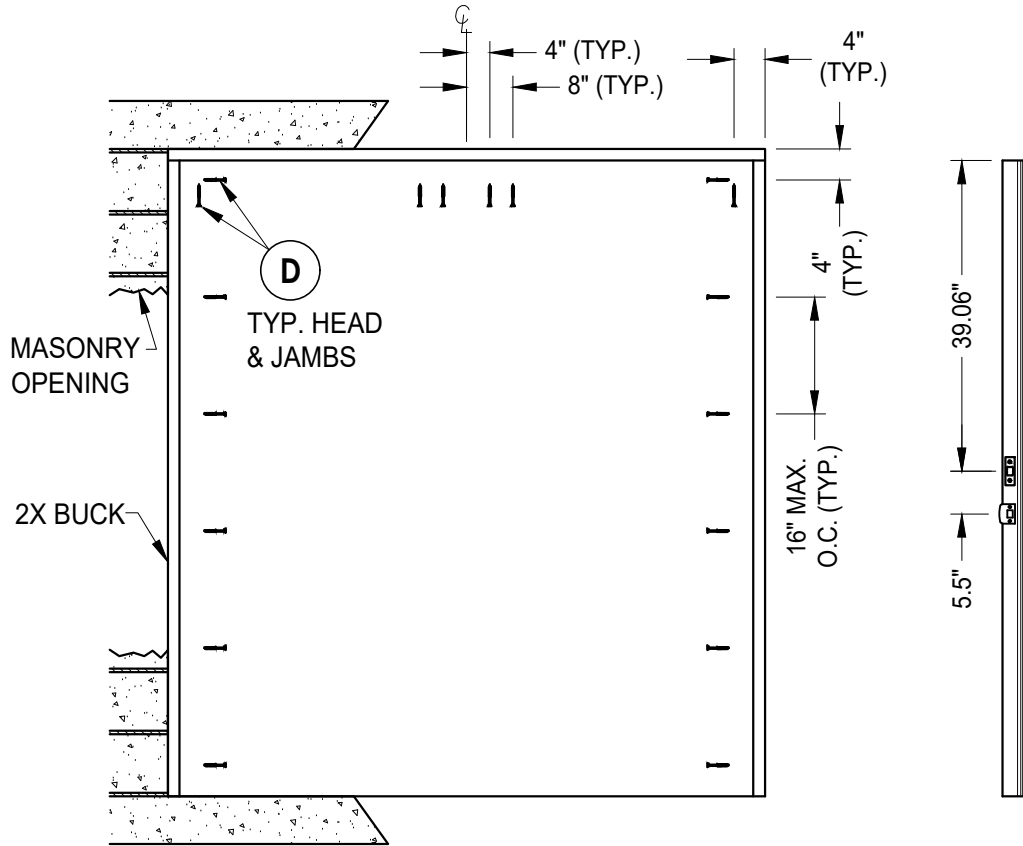
DATE: 8/29/11
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14803.3
SHEET 7 OF 12

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

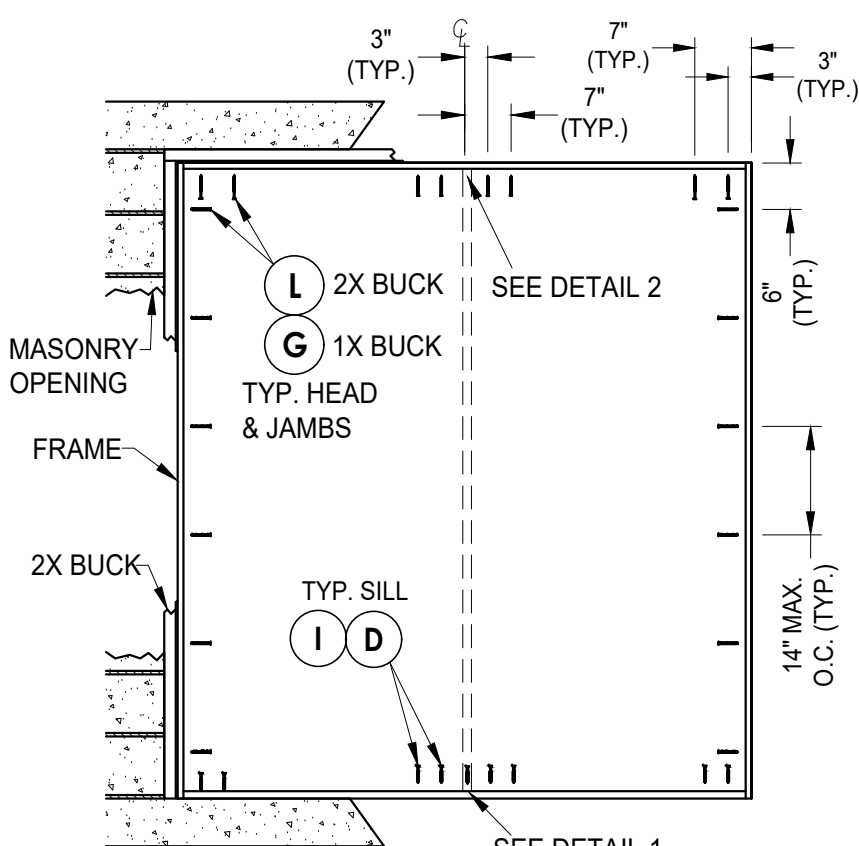


DATE: 8/29/11		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		DLP		Lyndon F. Schmidt	
DWG. BY: JK		WINDSERT		P.E. No. 43409	
CHK. BY: LFS		PART OR ASSEMBLY:		<i>R^gW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-14803.3		VERTICAL			
SHEET 8 of 12		CROSS SECTIONS			
NO. DATE		REVISONS			
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	
				BY	

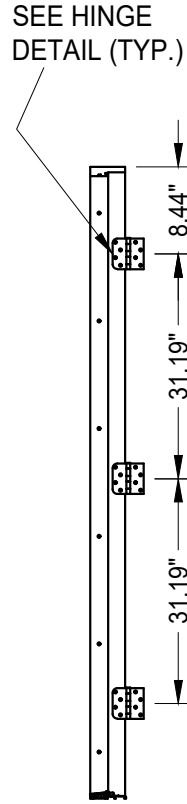
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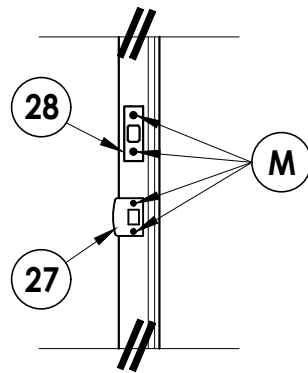
BUCK ANCHORING
XX



FRAME ANCHORING
XX



HINGE JAMB



LATCH & DEAD BOLT DETAIL

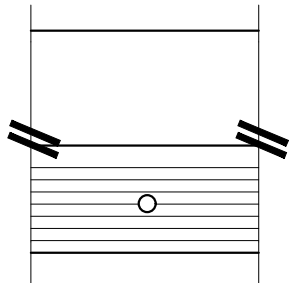
CONCRETE ANCHOR NOTES:

- 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:

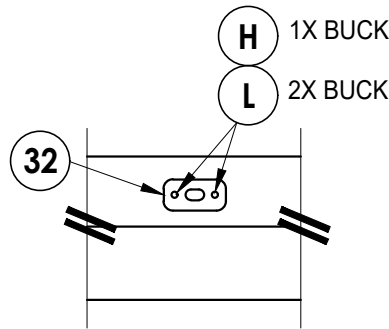
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

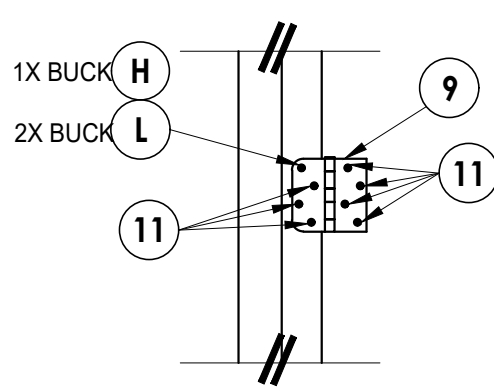
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



DETAIL 1
Astragal throw bolts
at the threshold
(Outswing)

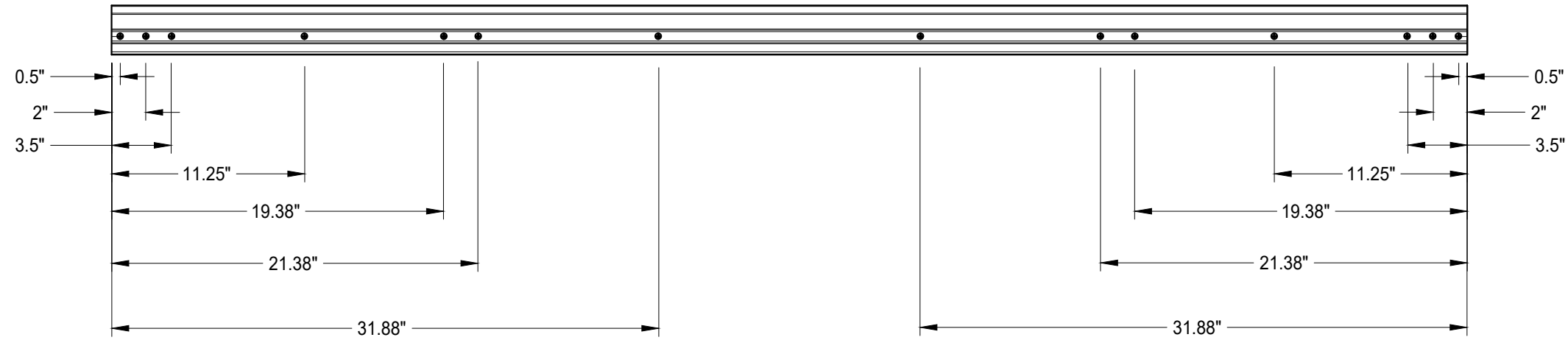


DETAIL 2
Attach astragal throw bolt
strike plate to frame
as shown



HINGE DETAIL
Outswing

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		DLP WINDSERT	
		PART OR ASSEMBLY:	
		BUCK AND FRAME ANCHORING (XX)	
		LFS	
		FBC	
		LFS	
		FBC	
		LFS	
		FBC	
		BY	
		DATE	
		NO.	
		REVISIONS	
		DATE	
		SCALE	
		DWG. BY:	
		CHK. BY:	
		DRAWING NO.:	
		SHEET	



Technical drawings of a 3D printed part, showing top, front, and side views with dimensions.

Top View:

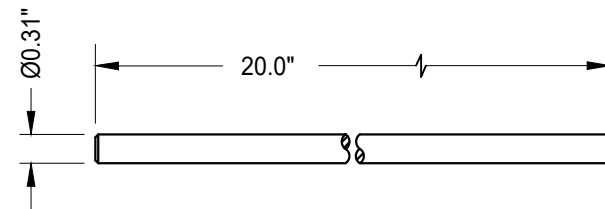
- Overall width: 3.99"
- Distance from left edge to first hole center: 0.478"
- Distance between hole centers: 0.478"
- Distance from last hole center to right edge: 0.478"
- Hole diameter: $\varnothing 0.346"$

Front View:

- Overall height: 0.573"
- Distance from left edge to first hole center: 0.975"

Side View:

- Overall depth: 0.050"
- Distance from left edge to first hole center: $\varnothing 0.335"$
- Distance between hole centers: $\varnothing 0.168"$



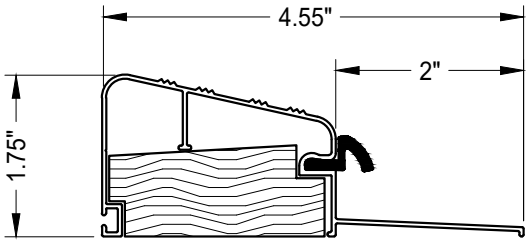
67 **SLIDE BOLT ROD**
Typ. top & bottom
of astragal
top through 1.98"
bottom through 1.98"

[illegible]

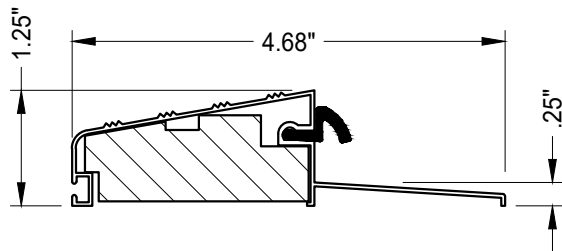
RW BUILDING CONSULTANTS, INC.
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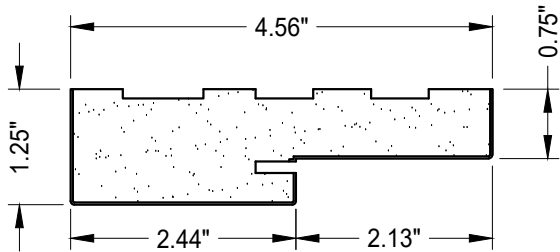
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" X 3-3/4" PFH 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	STEEL
30	OUTSWING THRESHOLD	ALUM / WOOD
31	OUTSWING THRESHOLD	ALUM / WOOD
32	ASTRAGAL STRIKE PLATE	STEEL
40	DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR DETAILS	-
50	SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR 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



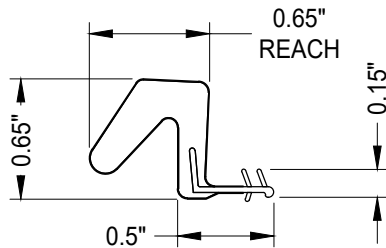
30 OUTSWING THRESHOLD
DLP (QOSR)



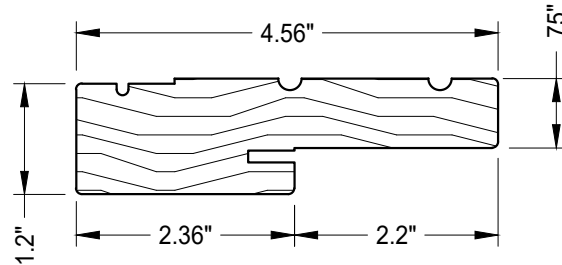
31 OUTSWING THRESHOLD
DLP (QOSH)



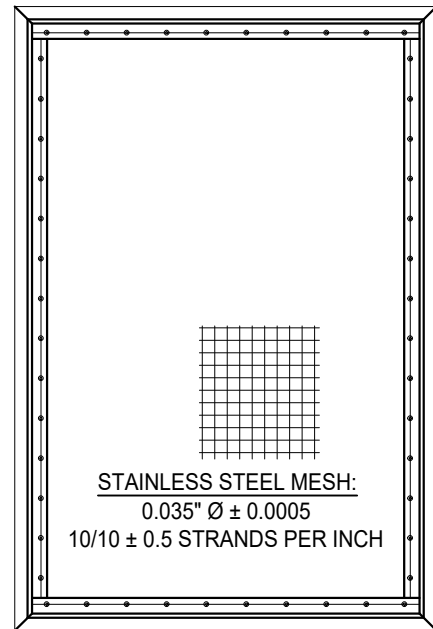
1 POLY FIBER JAMB
Plastpro



7 WEATHERSTRIP
Endura Force 5



2 WOOD JAMB



60 SECURITY SCREEN
ALUM (6063-T6)

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:	DLP WINDSERT		PART OR ASSEMBLY: BILL OF MATERIALS AND COMPONENTS
		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-14803.3			
SHEET 12 OF 12			