

WINDSERT™

Operational Window Insert

Utilizing

A Fiberglass Door Panel w/ Sidelite(s)

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.

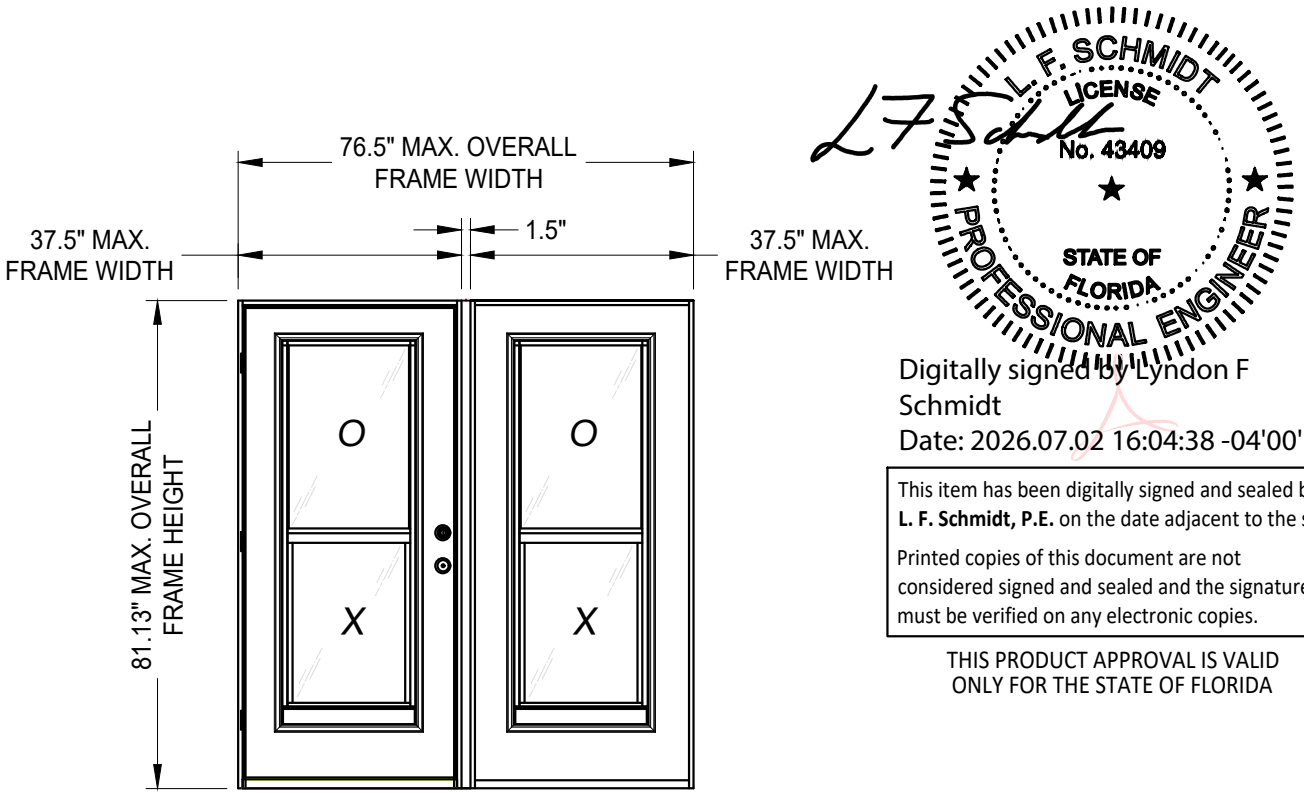
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

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 elevations, design pressures & general notes
2	Door panel details
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5	Elevations
6	Horizontal cross sections
7	Vertical cross sections
8	Vertical cross sections
9	Buck anchoring
10	Frame anchoring
11	Bill of materials and components



27

L. F. SCHMIDT

LICENSE

No. 43409

STATE OF FLORIDA

PROFESSIONAL ENGINEER

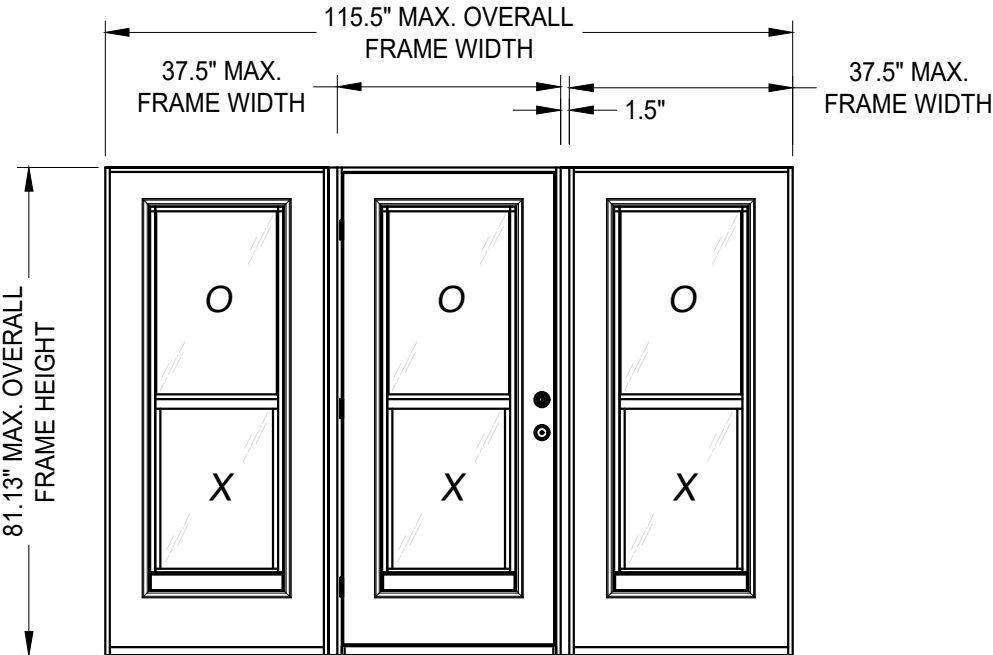
Digitally signed by Lyndon F Schmidt

Date: 2026.07.02 16:04:38 -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
OX/XO	76.5" x 81.13"	20" x 29.13"	+50.0	-55.0
OXO	115.5" x 81.13"	20" x 29.13"	+50.0	-55.0

Documents Prepared By:

Lyndon F. Schmidt

P.E. No. 43409

PRODUCT:

DLP WINDSERT

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

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

REVISIONS

DATE:

8/29/11

SCALE:

N.T.S.

DWG. BY:

JK

CHK. BY:

LFS

DRAWING NO.:

FL-14803.2

SHEET

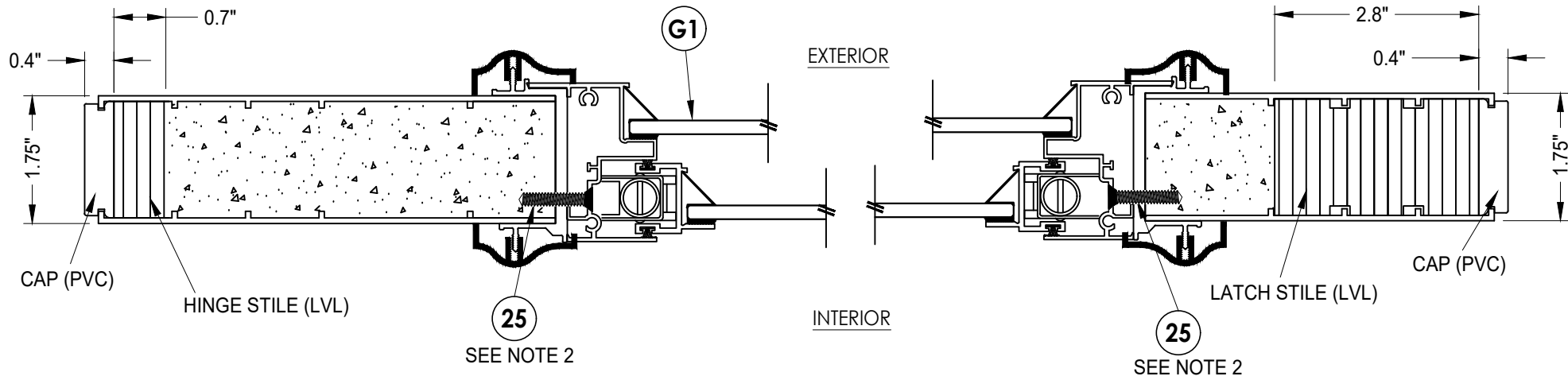
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OF

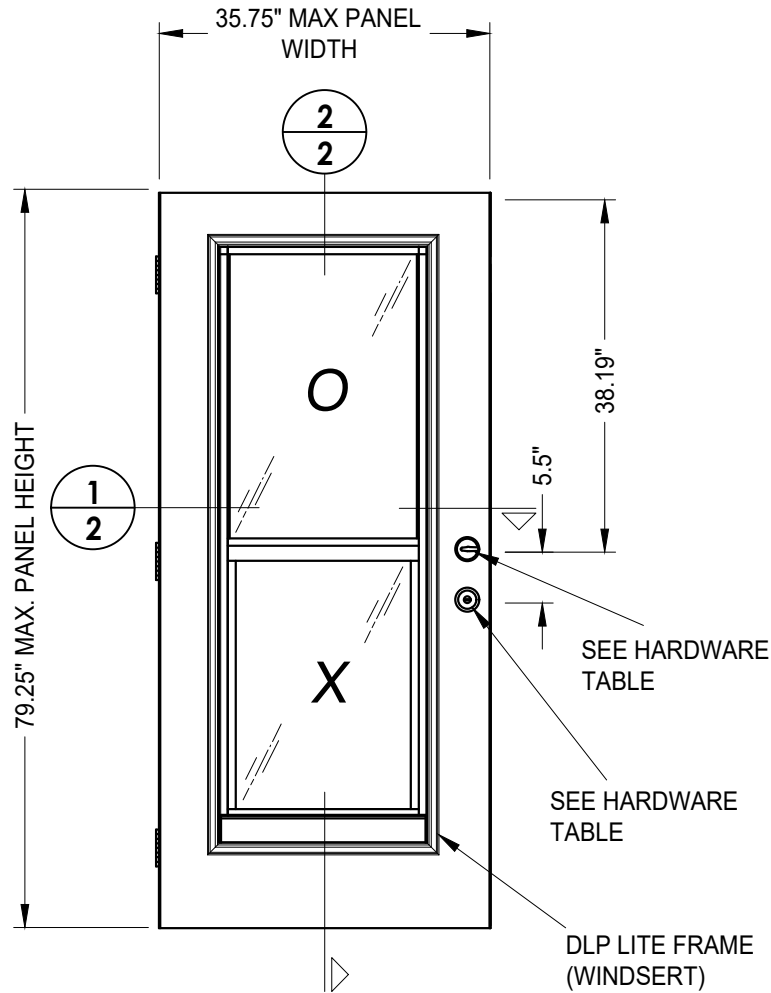
11

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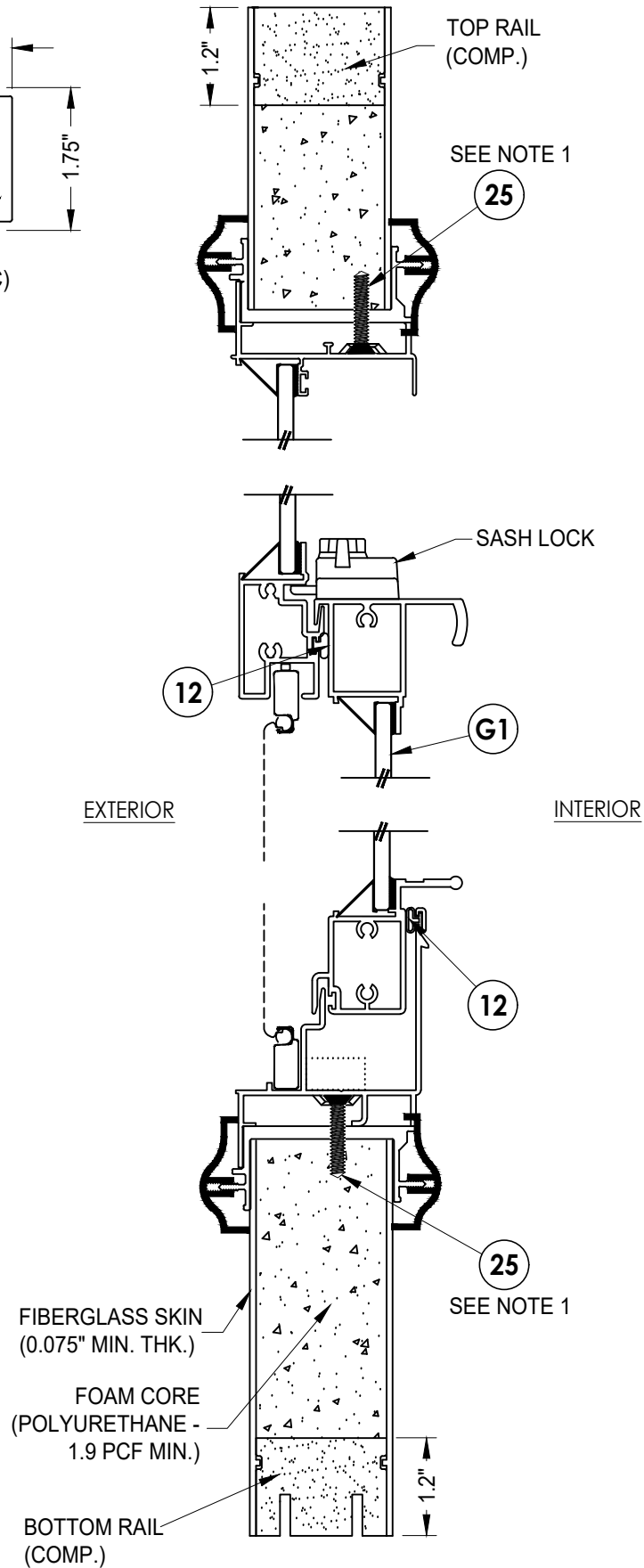
1
2 HORIZONTAL CROSS SECTION



40 DOOR PANEL
Plastpro

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).



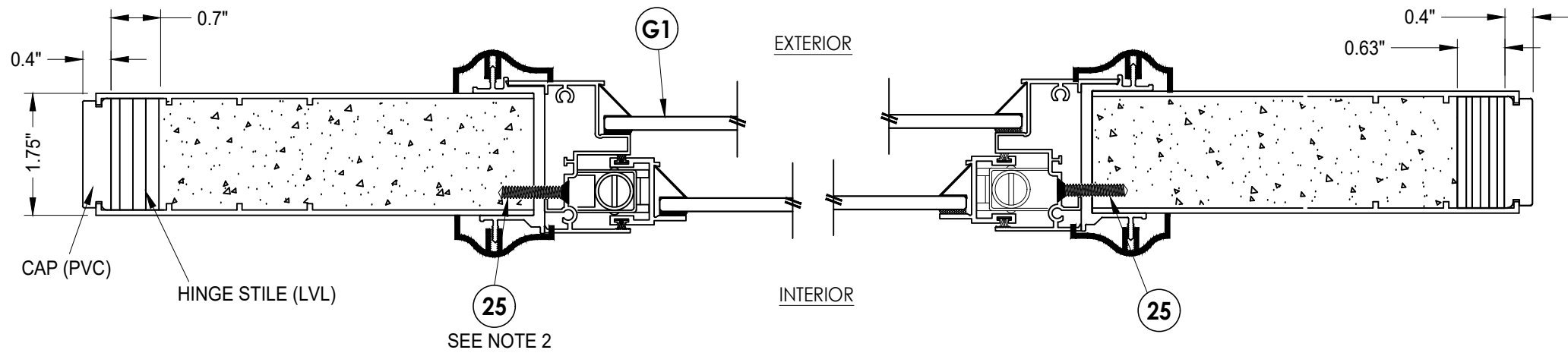
2
2 VERTICAL CROSS SECTION

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

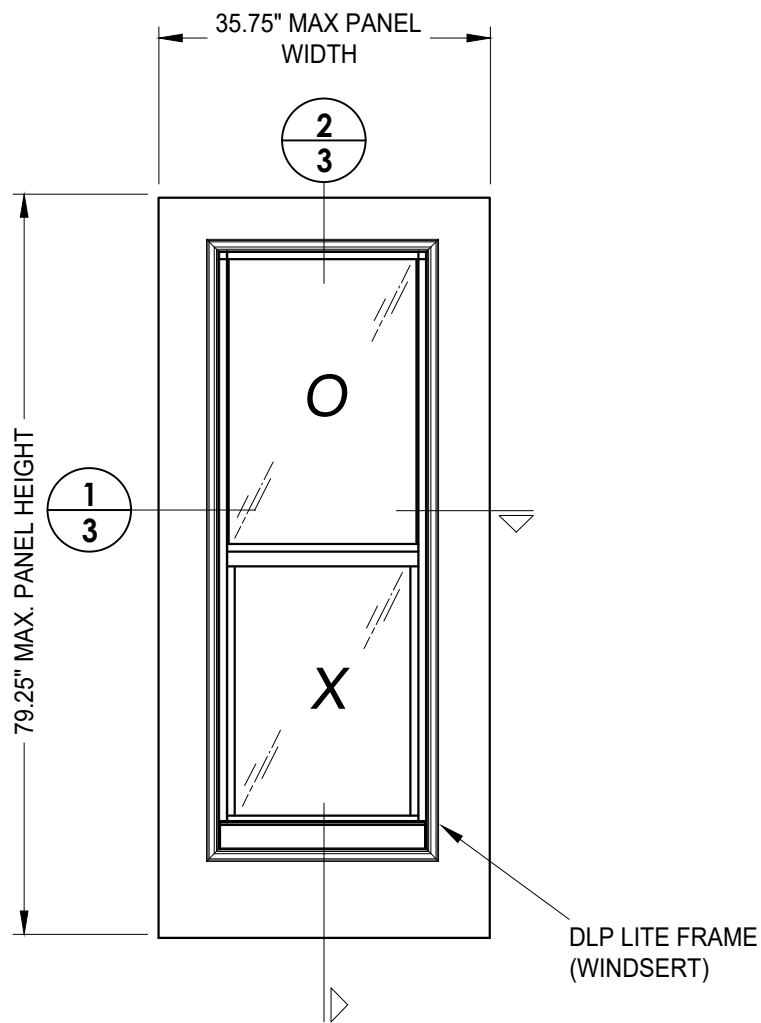
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		PART OR ASSEMBLY:	
DLP WINDSERT		DOOR PANEL DETAILS	
NO.	DATE	REVISIONS	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-14803.2			
SHEET 2 OF 11			

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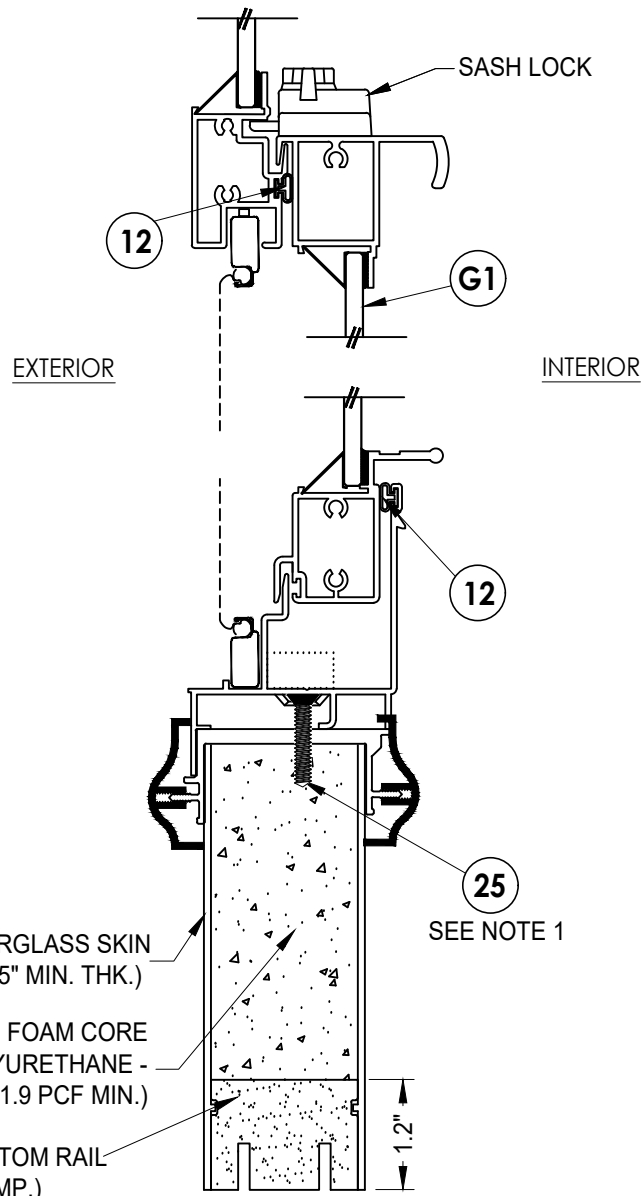
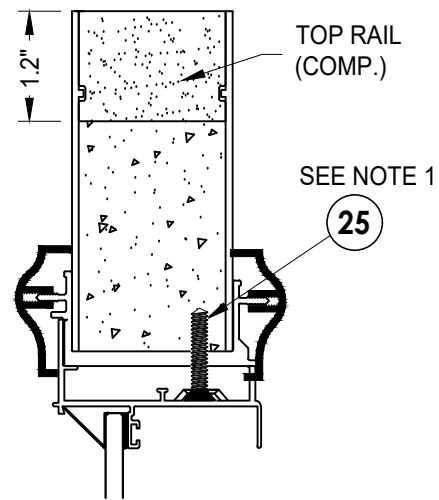


1
3 HORIZONTAL CROSS SECTION



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:
Lyndon F. Schmidt
P.E. No. 43409

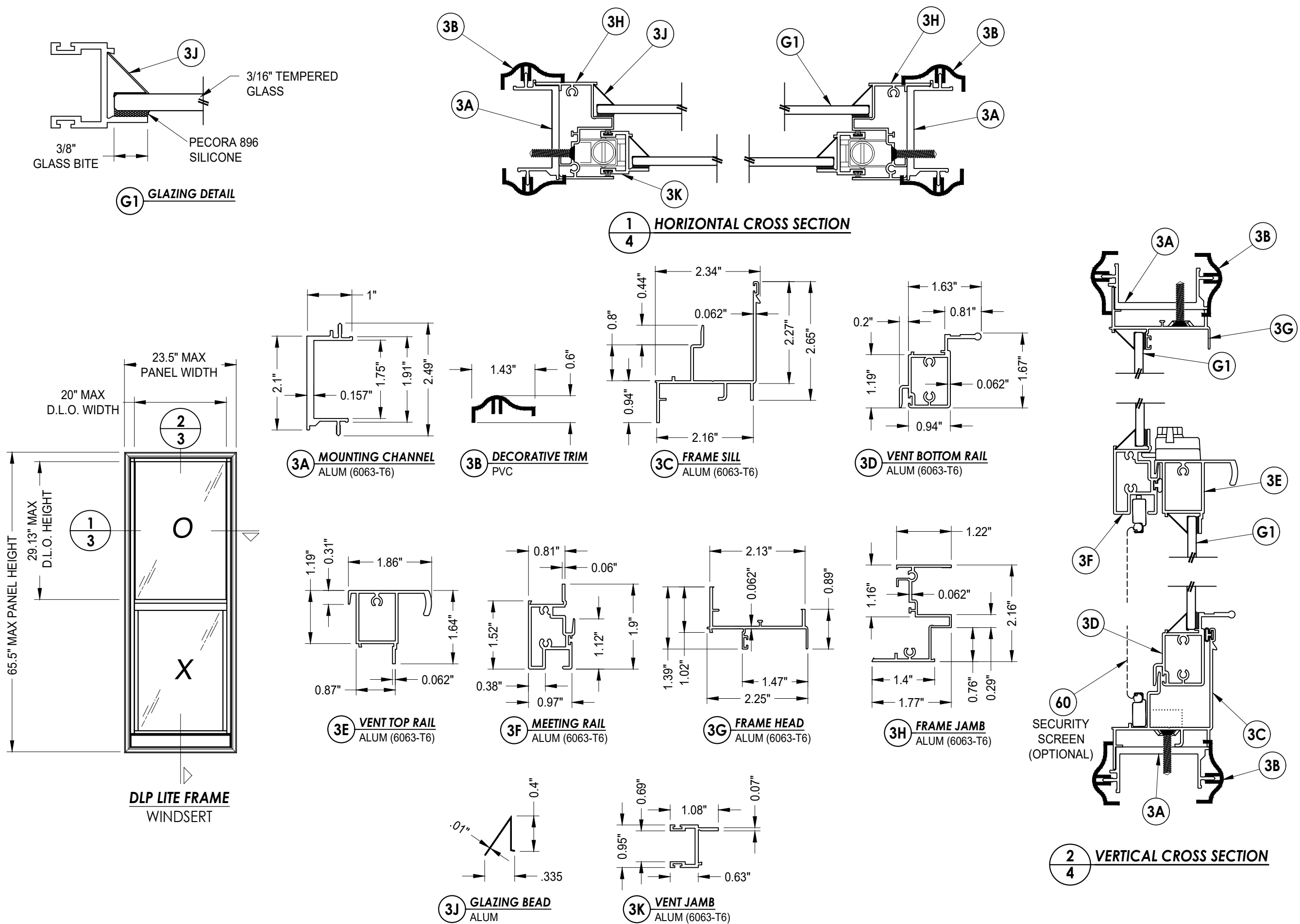
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	
DLP	WINDSERT
PART OR ASSEMBLY:	
SIDELITE PANEL DETAILS	

REVISIONS	
NO.	DATE
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6	8/09/23
5	8/31/20
4	
3	
2	
1	

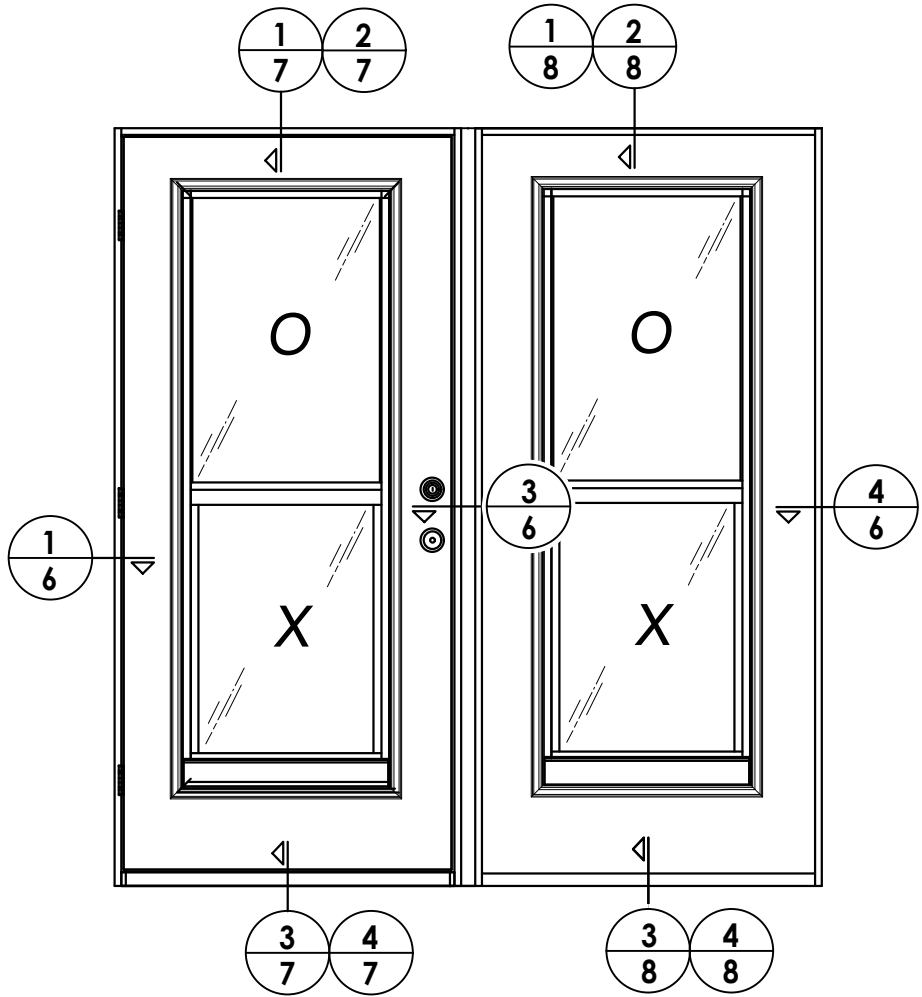
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DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.2
SHEET	3 OF 11

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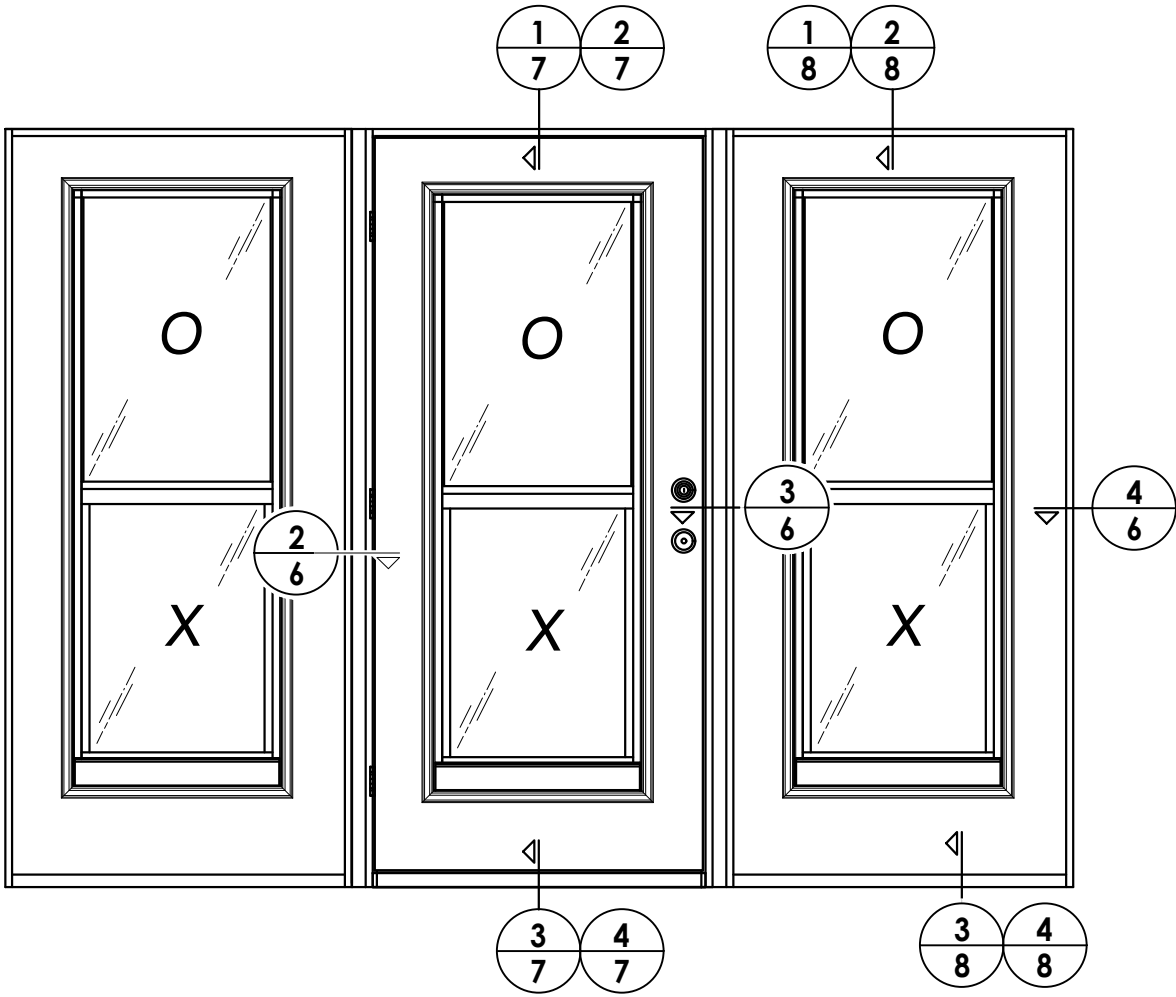


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: DLP WINDSERT		PART OR ASSEMBLY: LITE FRAME DETAILS AND GLAZING DETAILS	
		LFS	BY
7	7/02/26	UPDATE TO 9TH ED. (2026) FBC	
6	8/09/23	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-14803.2			
SHEET 4 OF 11			

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ELEVATION (XO - OX)



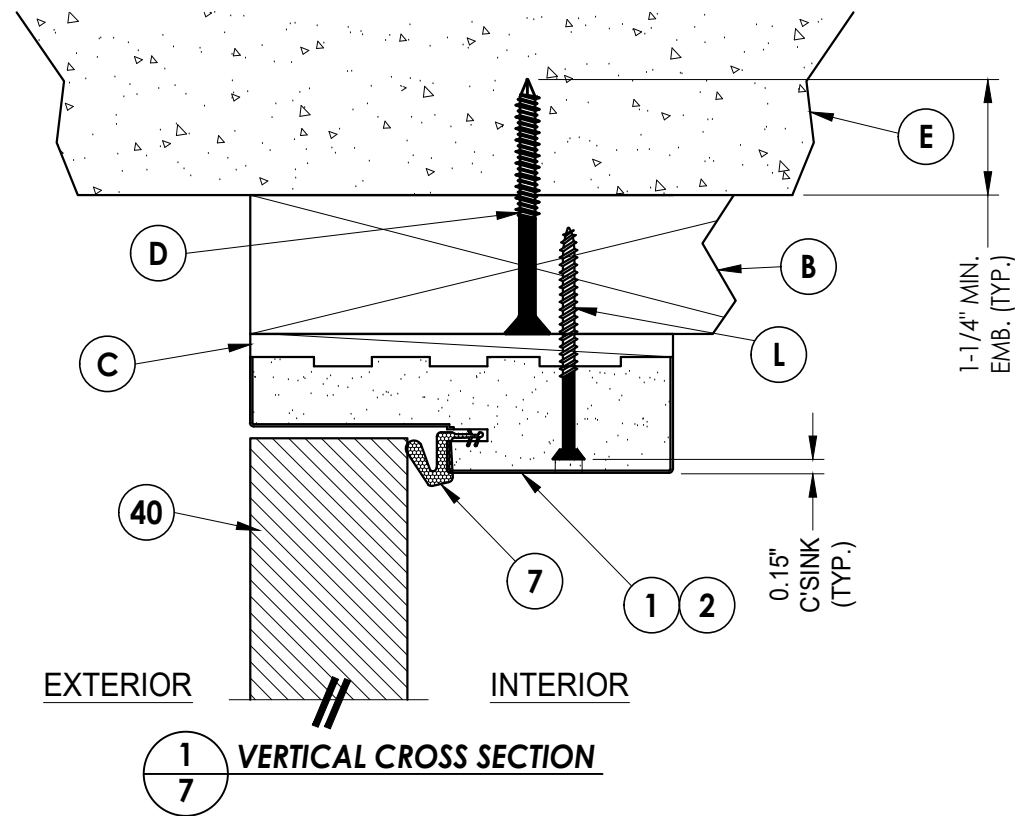
ELEVATION (OXO)

DATE: 8/29/11	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-14803.2	
SHEET 5	OF 11

PRODUCT:	
DLP WINDERT	
PART OR ASSEMBLY:	
ELEVATIONS	

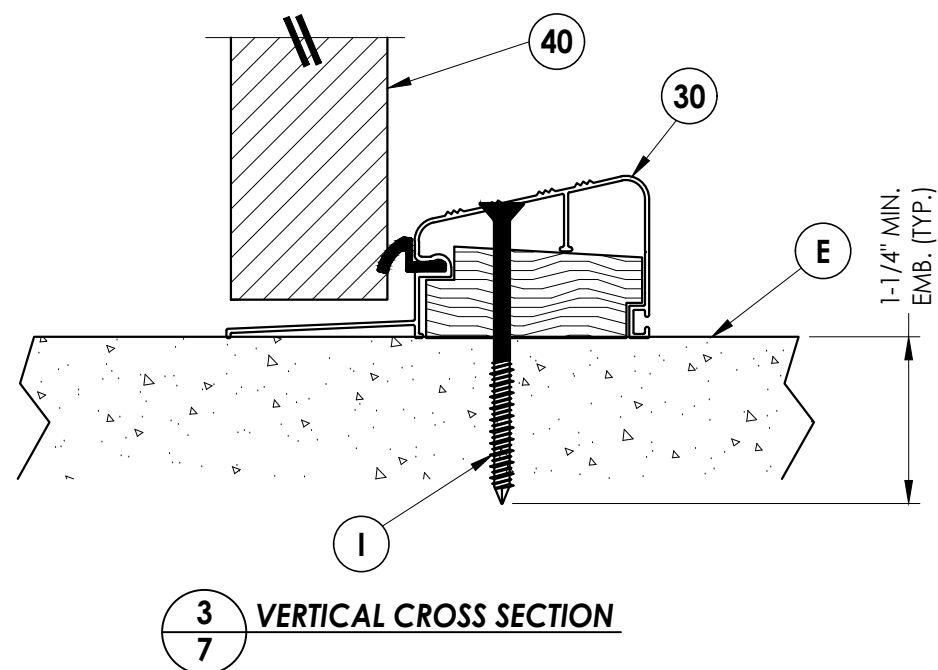
Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
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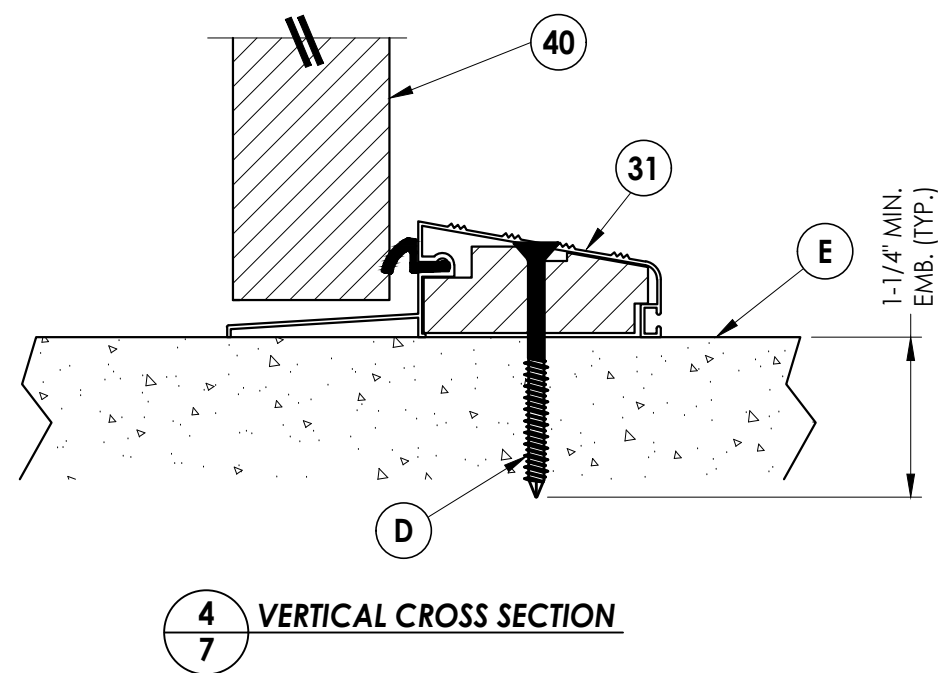
EXTERIOR

INTERIOR



EXTERIOR

INTERIOR



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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:

DLP

PART OR ASSEMBLY:

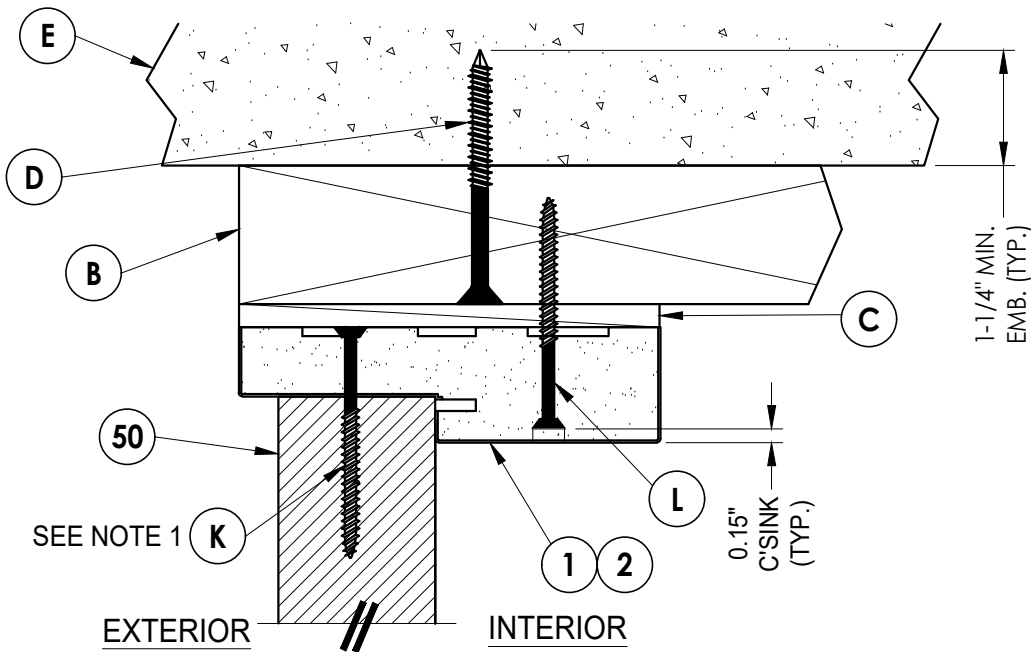
VERTICAL CROSS SECTIONS

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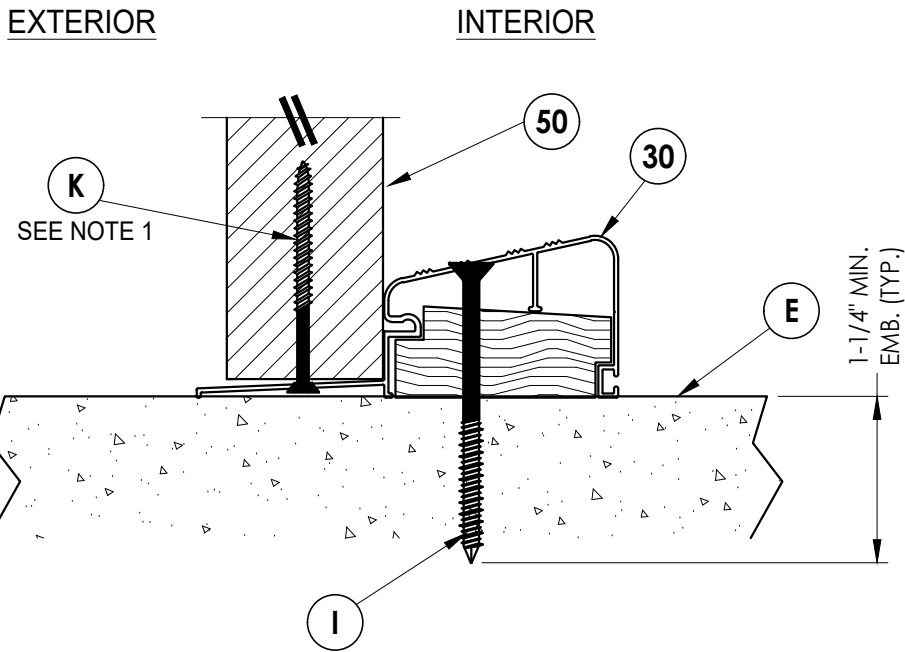
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NOTE

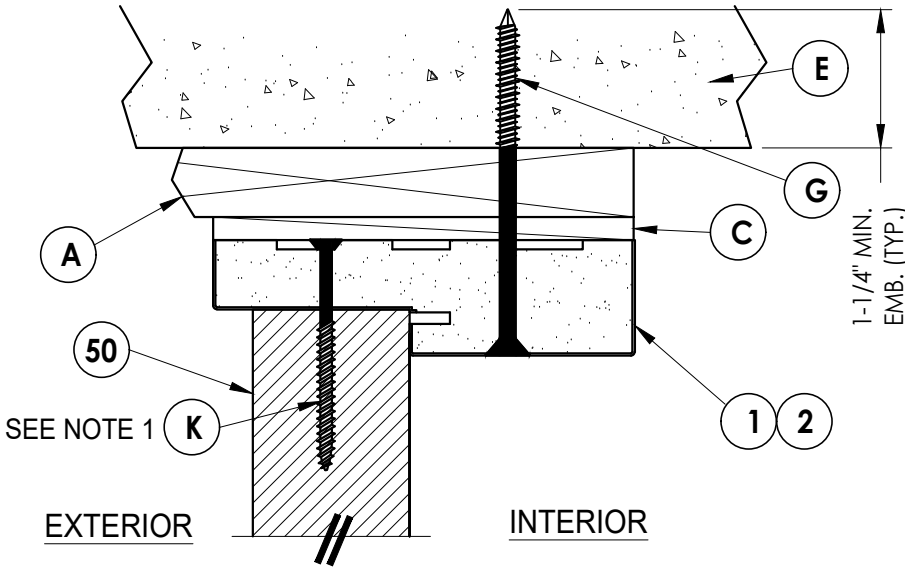
1. Spacing for item K:
6" from each end
and at centerline.



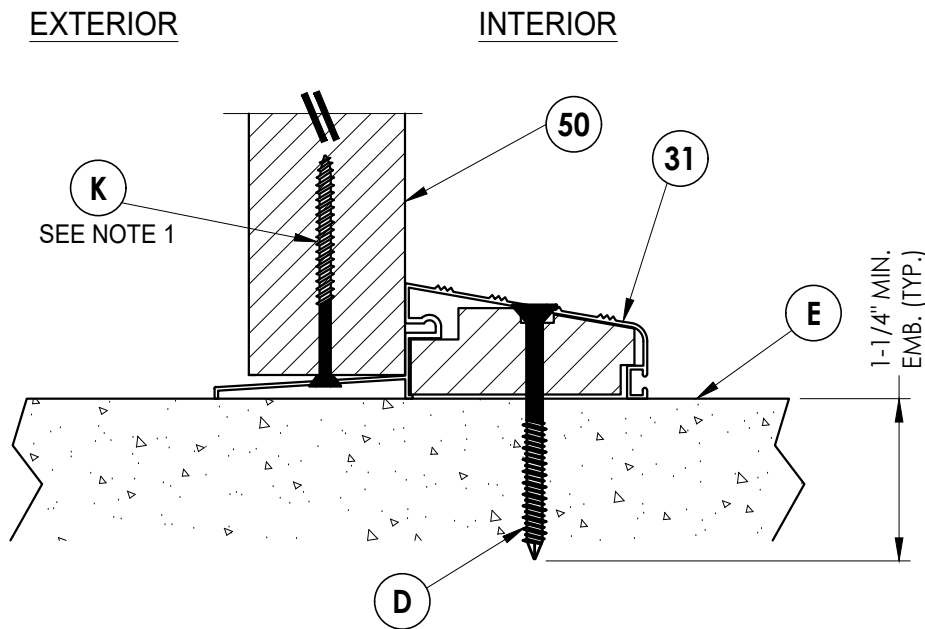
1
8 VERTICAL CROSS SECTION



3
8 VERTICAL CROSS SECTION



2
8 VERTICAL CROSS SECTION
Shown w/1X sub-buck



4
8 VERTICAL CROSS SECTION

Documents Prepared By:
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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
6	8/09/23	UPDATE TO 8TH ED. (2023) FBC
5	8/31/20	UPDATE TO 7TH ED. (2020) FBC
4		
3		
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1		

DATE: 8/29/11

SCALE: N.T.S.

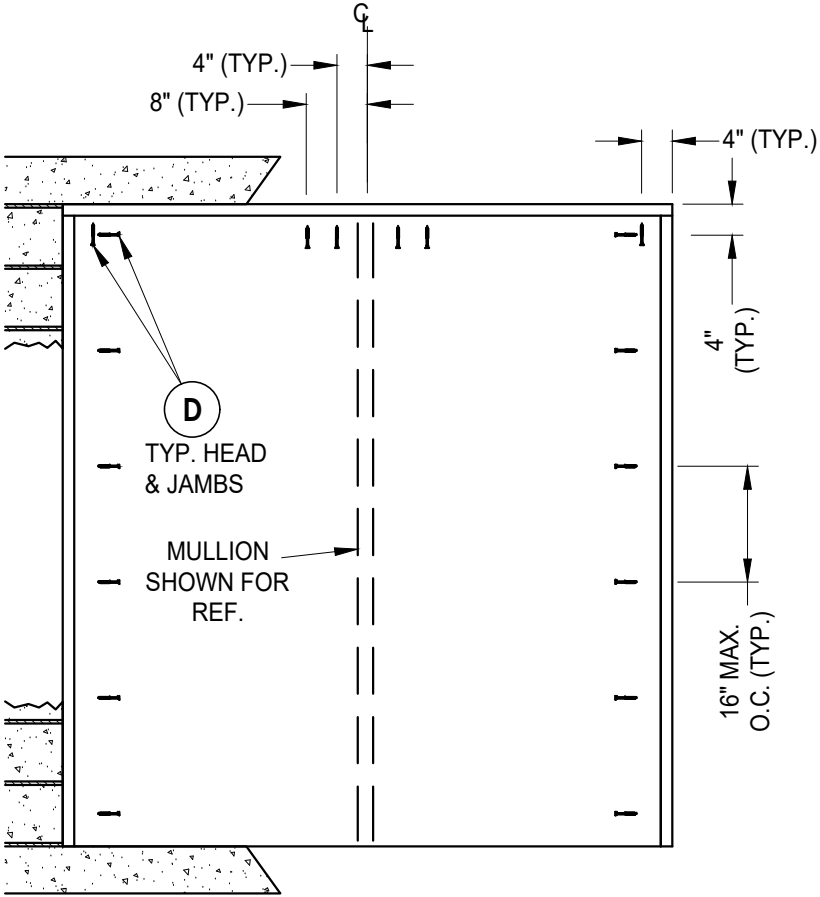
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CHK. BY: LFS

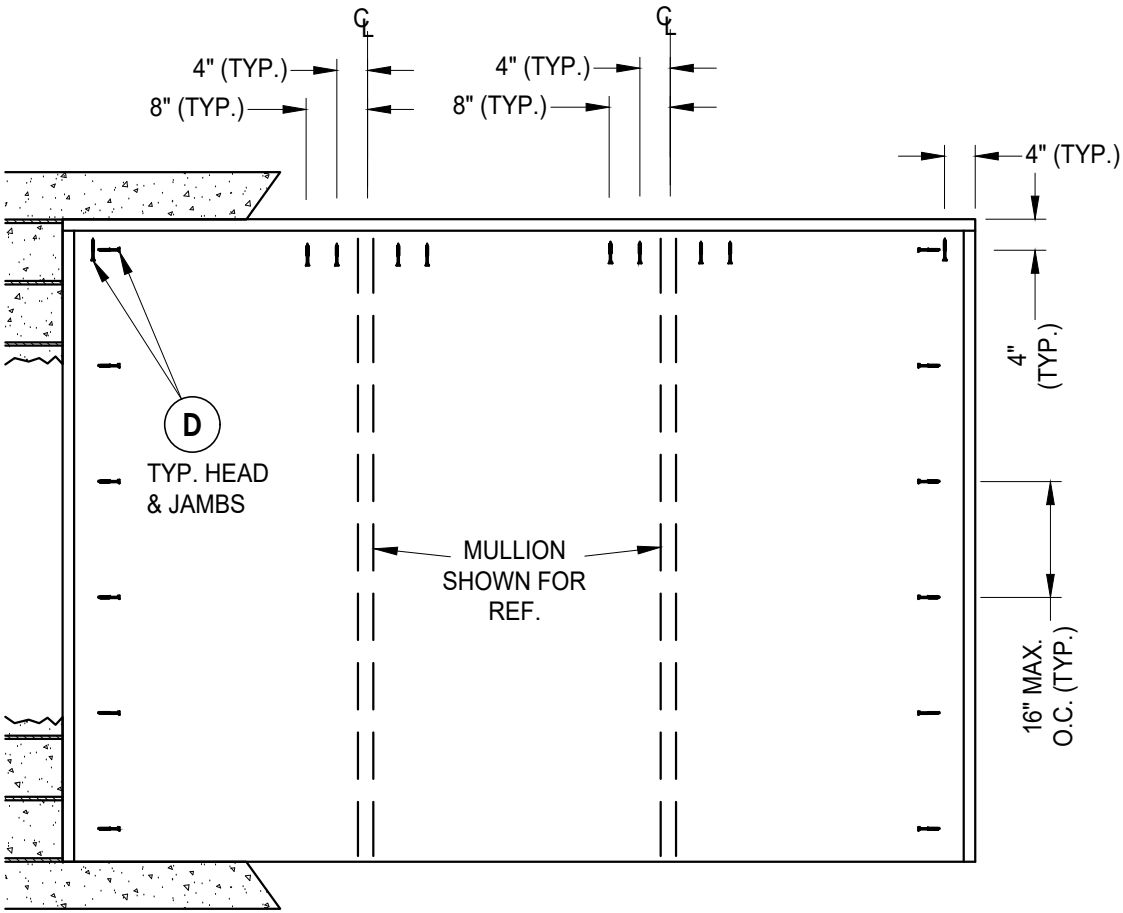
DRAWING NO.:

FL-14803.2

SHEET 8 OF 11



BUCK ANCHORING
OX



BUCK ANCHORING
OXO

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 ULTRA-CON®	1/4"	1-1/4"	1"	4"

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.

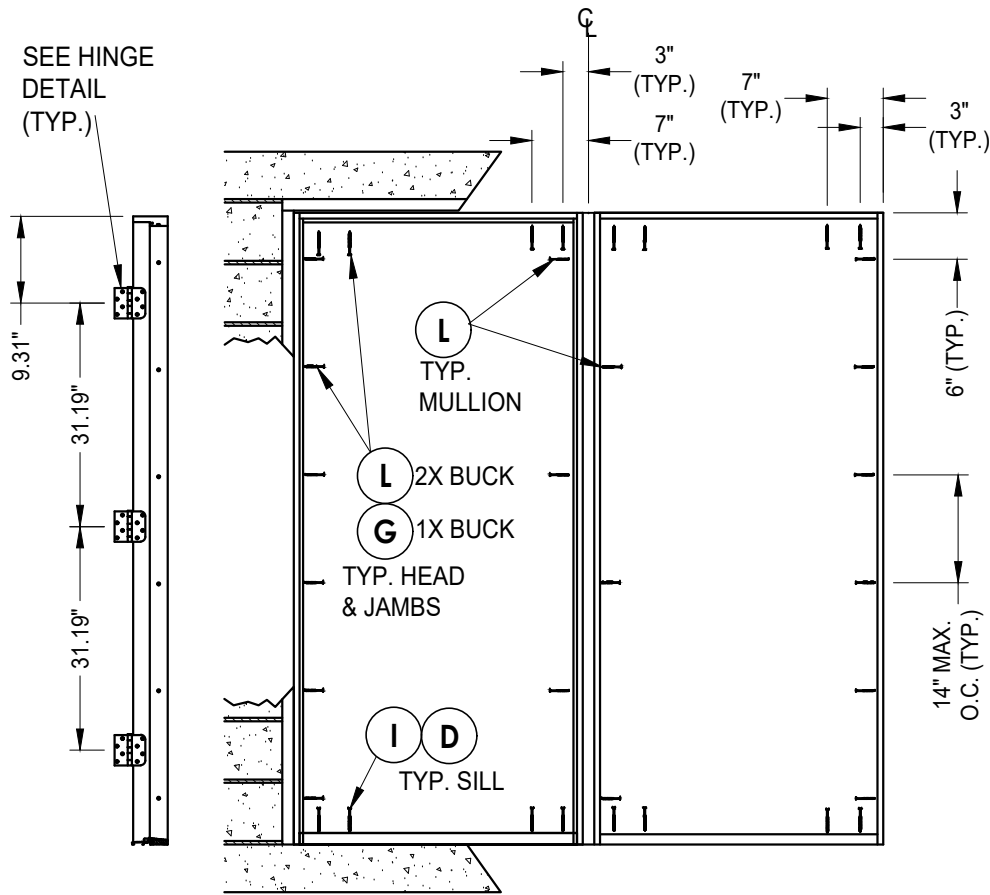
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PRODUCT:	DLP WINDSERT
PART OR ASSEMBLY:	BUCK ANCHORING

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

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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HINGE JAMB

FRAME ANCHORING
OX

STRIKE MULLION

HINGE MULLION

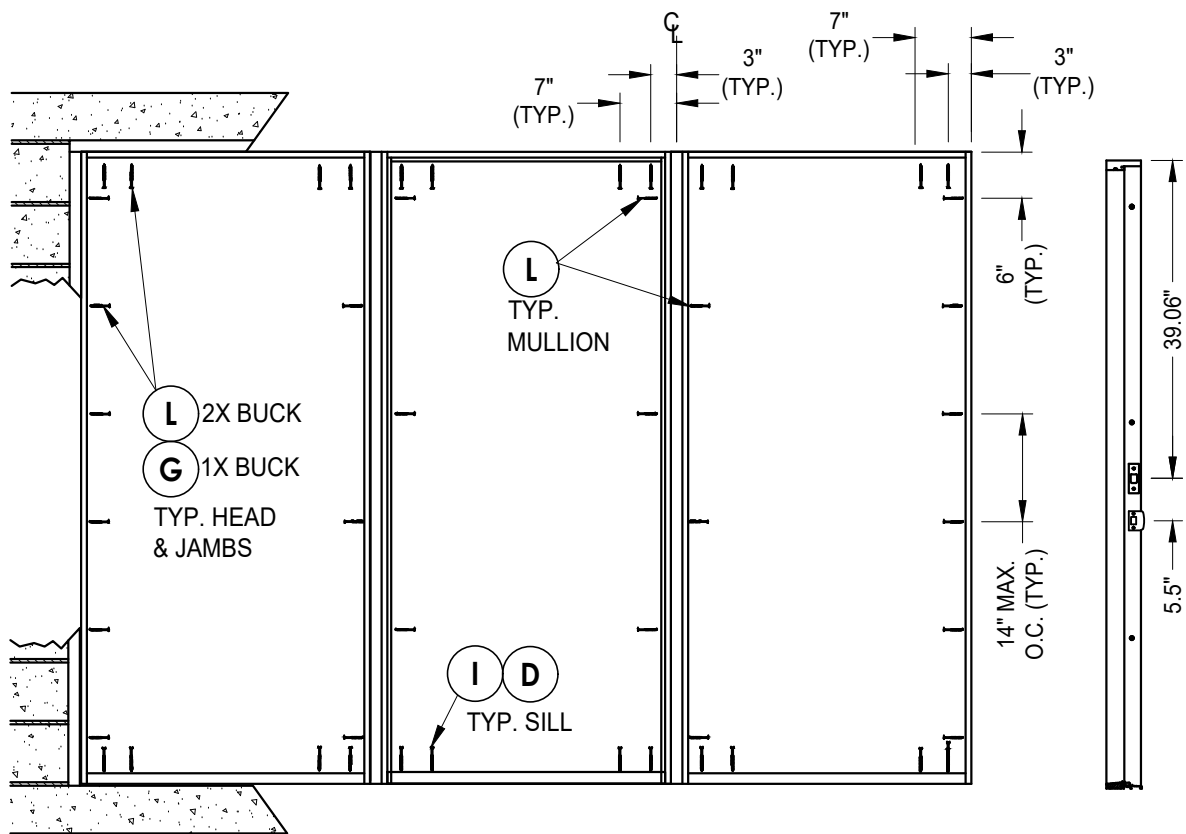
CONCRETE ANCHOR NOTES:

- 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.
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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"

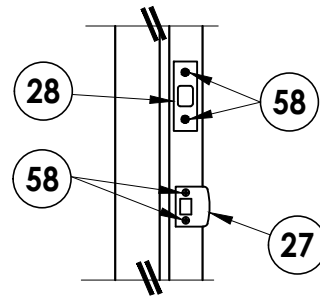
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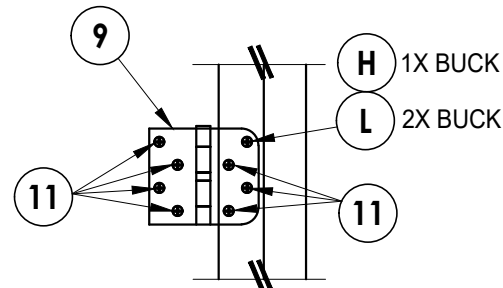


FRAME ANCHORING
OXO

STRIKE MULLION



LATCH AND DEADBOLT
Details



HINGE DETAIL
Outswing

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

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

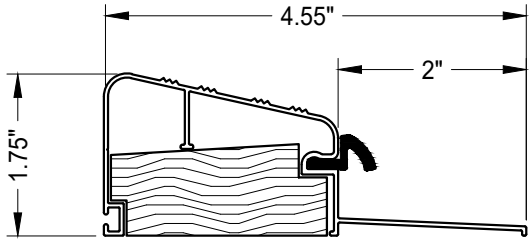
PRODUCT:
DLP WINDSERT
PART OR ASSEMBLY:
FRAME ANCHORING

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
NO.	DATE	BY

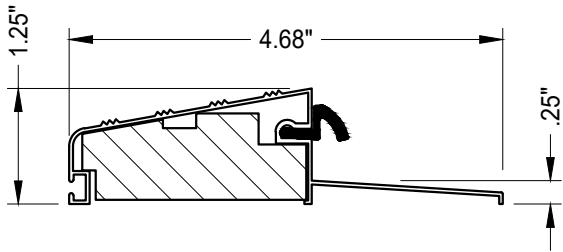
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SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.2
SHEET	10 OF 11

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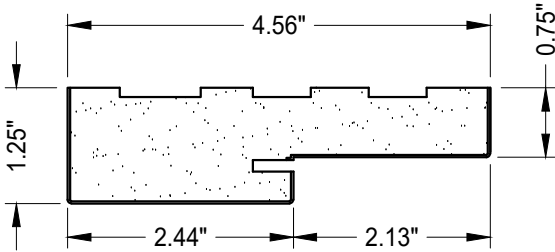
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" X 3-3/4" PFH 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
K	#9 X 2-1/2" 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
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
88	2X REINFORCEMENT SG >= 0.55	WOOD



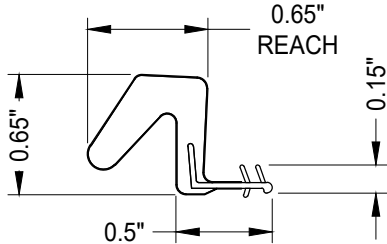
30 **OUTSWING THRESHOLD**
DLP (QOSR)



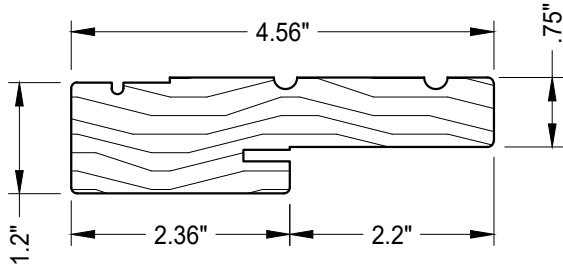
31 **OUTSWING THRESHOLD**
DLP (QOSH)



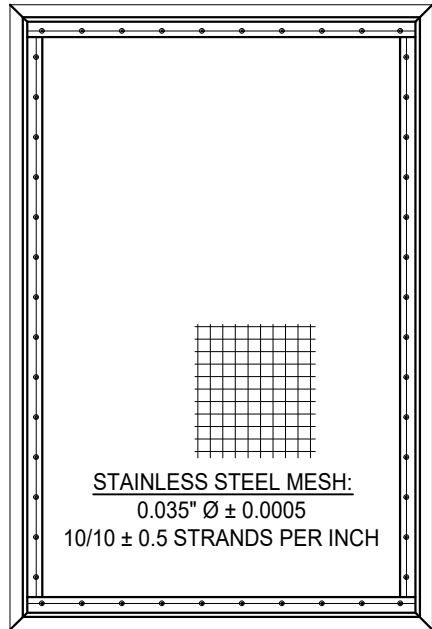
1 **POLY FIBER JAMB**
Plastpro



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
		LFS	
		LFS	
		NO.	DATE
		REVISIONS	
		7	7/02/26
		6	8/09/23
		5	8/31/20
		DATE	
		8/29/11	
		SCALE: N.T.S.	
		DWG. BY: JK	
		CHK. BY: LFS	
		DRAWING NO.: FL-14803.2	
		SHEET 11 OF 11	