

WINDSERT™

Operational Window Insert Utilizing
A Fiberglass Door Panel w/ Sidelite(s)

OUTSWING
"IMPACT"

GENERAL NOTES

1.

This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.

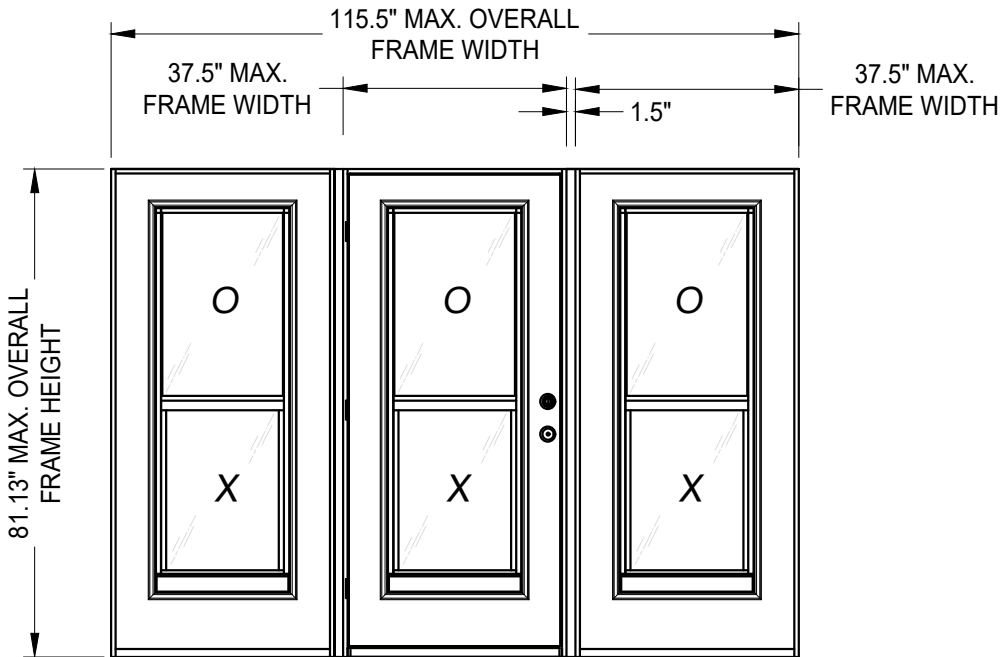
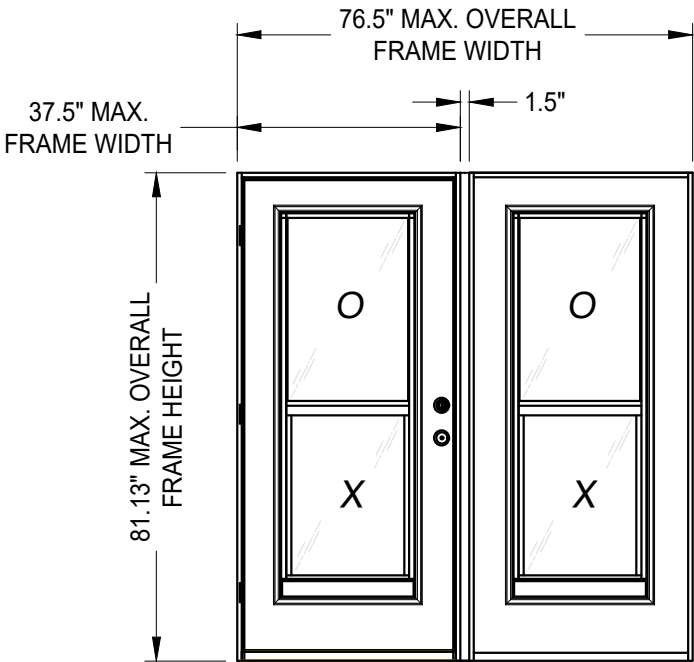
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

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 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
4.

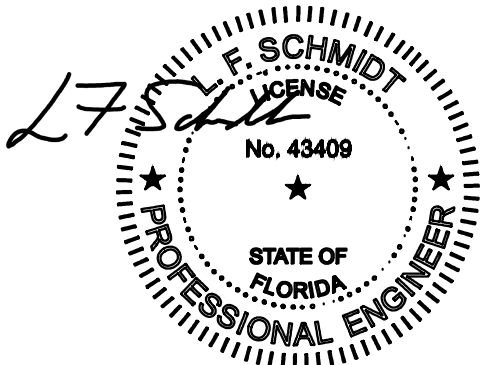
For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5.

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
3	Sidelite panel details
4	Lite frame details and glazing details
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



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



Digitally signed by Lyndon F Schmidt
Date: 2023.08.09 12:36:32 -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

38/09/23
UPDATE TO 8TH ED. (2023) FBC

28/31/20
UPDATE TO 7TH ED. (2020) FBC

18/16/17
UPDATE TO 6TH ED. (2017) FBC

NO. DATE

REVISIONS

DATE: 9/14/15

SCALE: N.T.S.

DWG. BY: JK

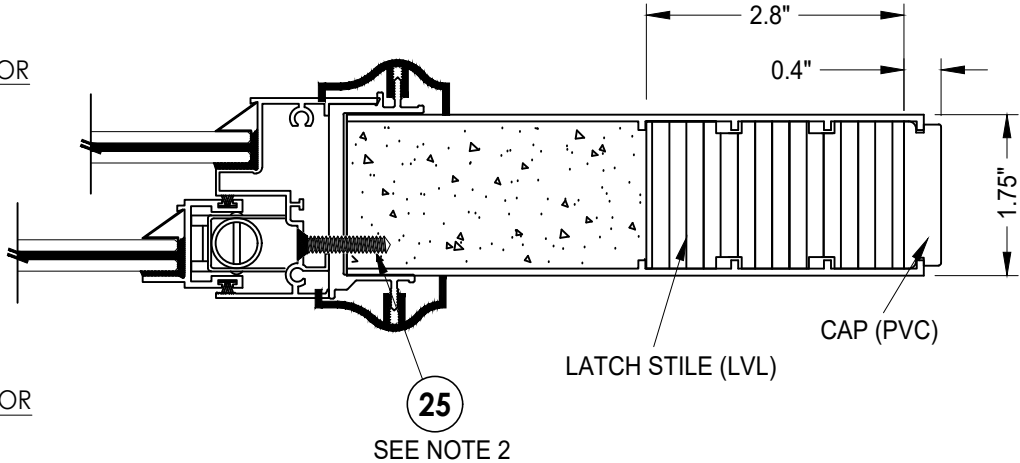
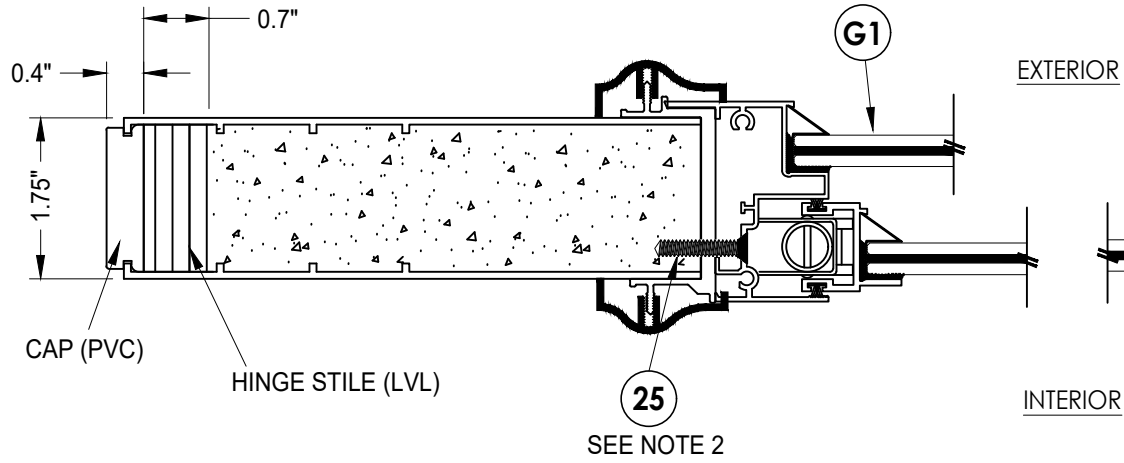
CHK. BY: LFS

DRAWING NO.: FL-14803.8

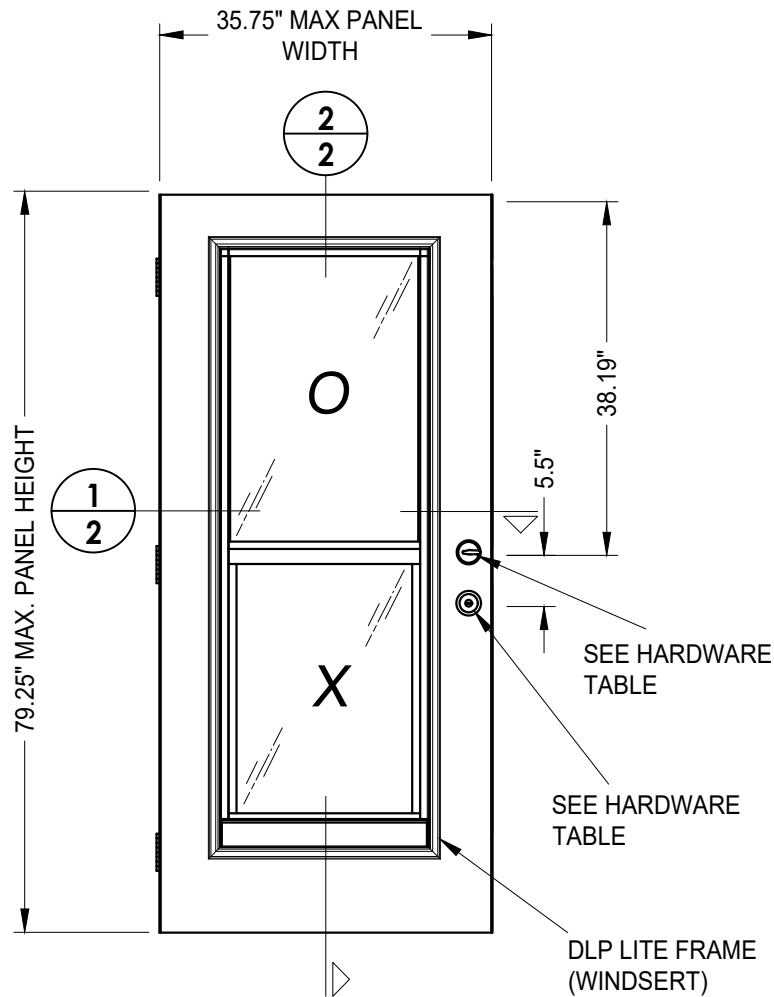
SHEET 1 OF 11

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

Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R6 Ext Doors\FL-14803.7-9.dwg



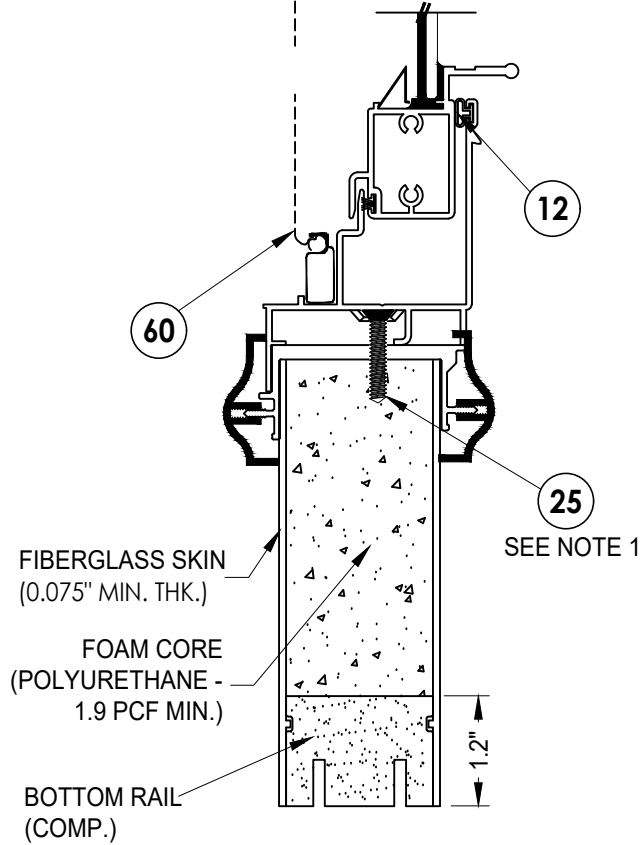
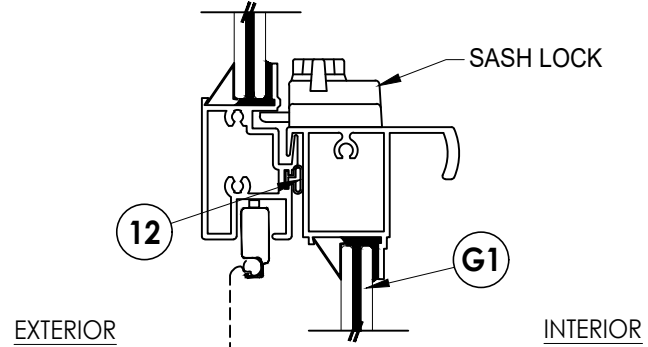
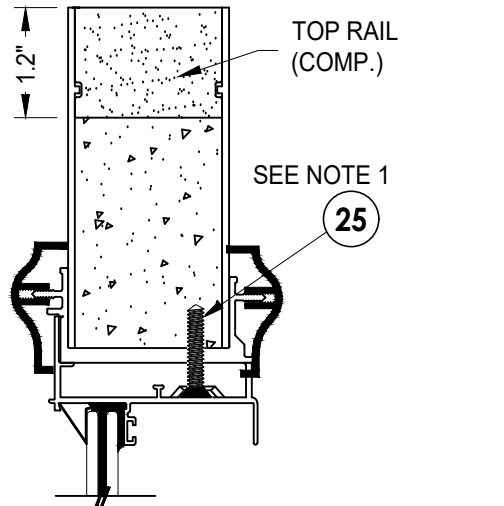
1
2 HORIZONTAL CROSS SECTION



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

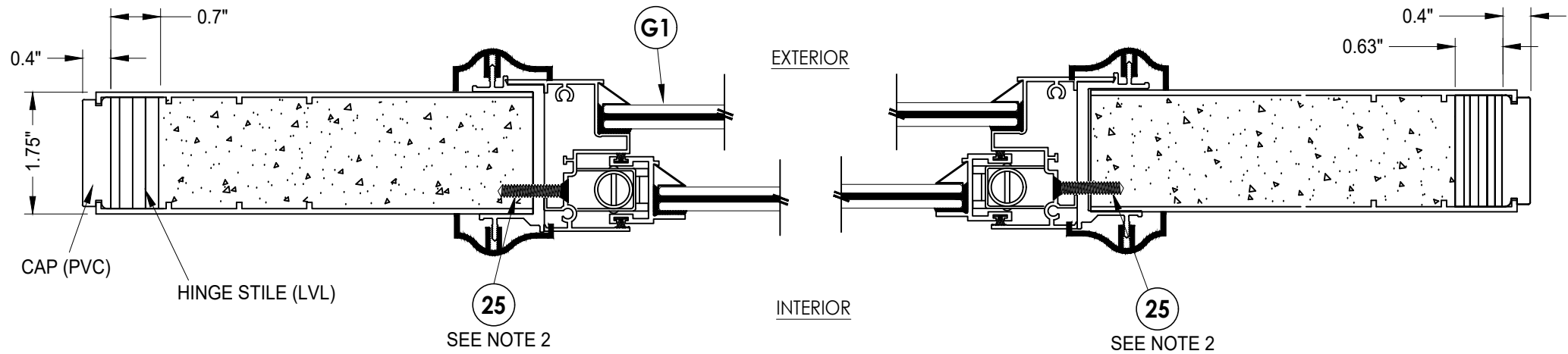
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	DLP WINDSERT	
	PART OR ASSEMBLY: DOOR PANEL DETAILS	

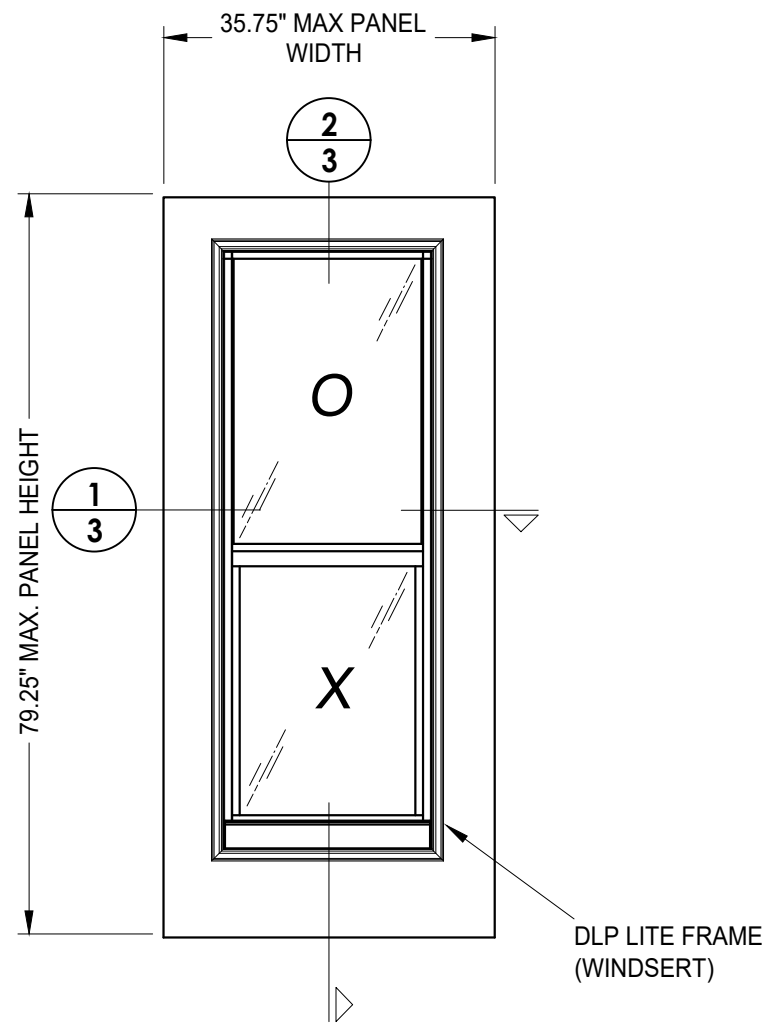
REVISIONS			
NO.	DATE	BY	JK
3	8/09/23	LFS	UPDATE TO 8TH ED. (2023) FBC
2	8/31/20	LFS	UPDATE TO 7TH ED. (2020) FBC
1	8/16/17	JK	UPDATE TO 6TH ED. (2017) FBC

DATE:	9/14/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.8
SHEET	2 OF 11

Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R6 Ext Doors\FL-14803.7-9.dwg



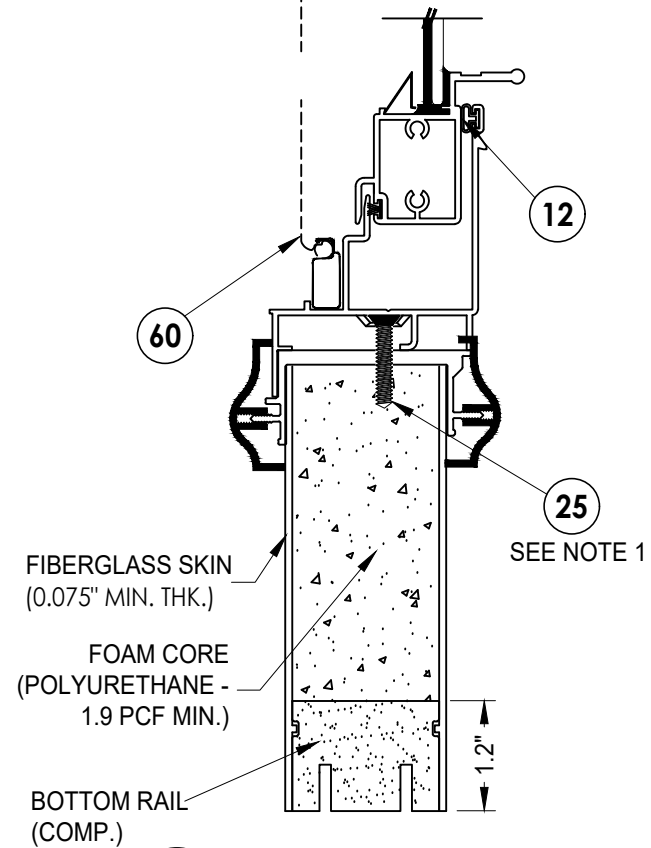
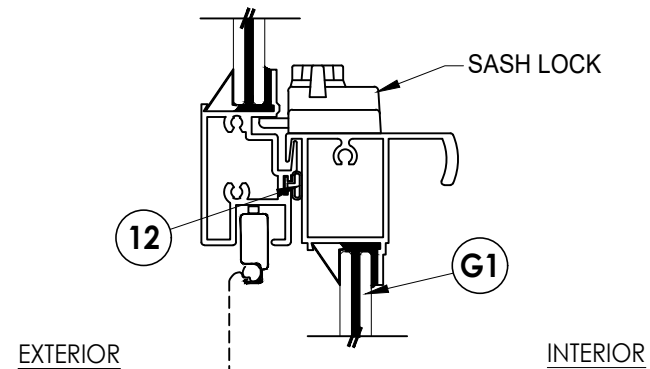
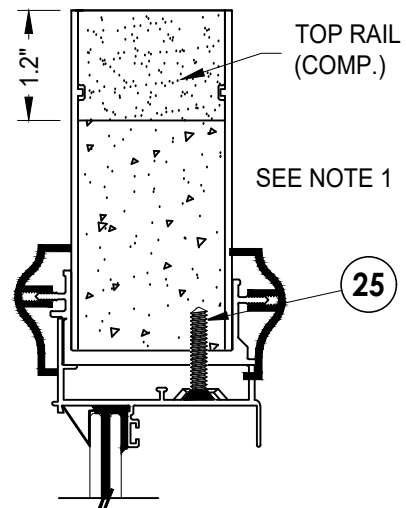
1
3 HORIZONTAL CROSS SECTION



50 SIDELITE PANEL
Plastpro

NOTES:

1. SMS Screw spacing at head and sill:
5" from each end & one at centerline (3 total).
2. 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

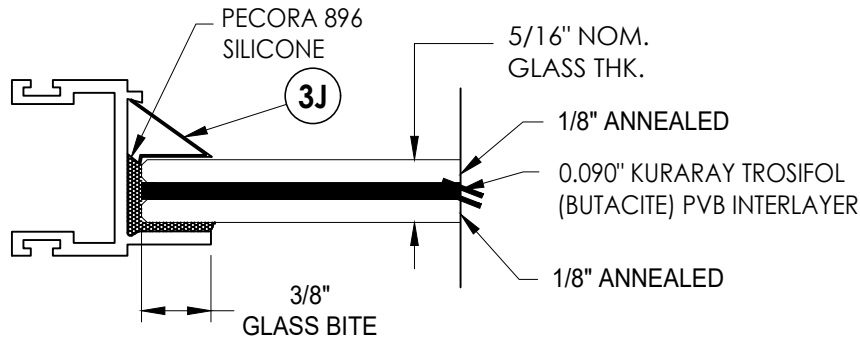
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	DLP WINDSERT	
	PART OR ASSEMBLY:	SIDELITE PANEL DETAILS

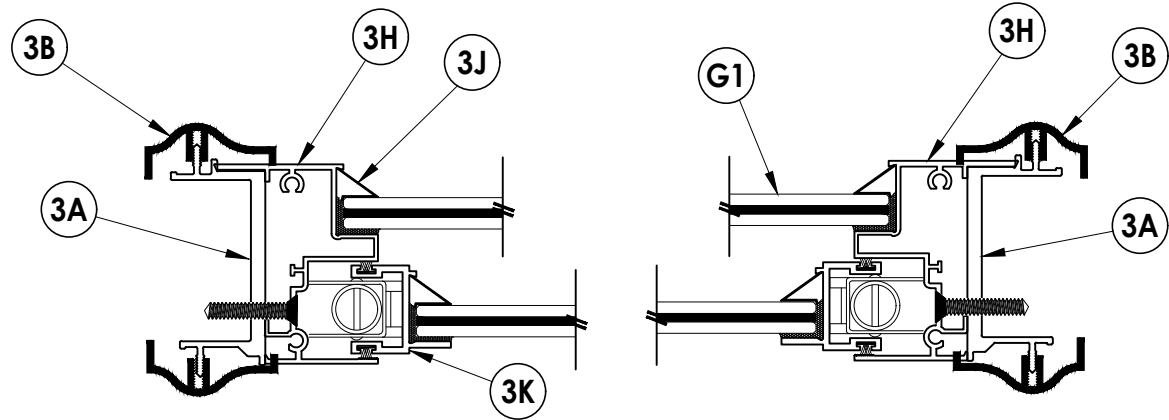
					REVISIONS	
					NO.	DATE
					3	8/09/23
					2	8/31/20
					1	8/16/17

DATE:	9/14/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.8
SHEET	3 OF 11

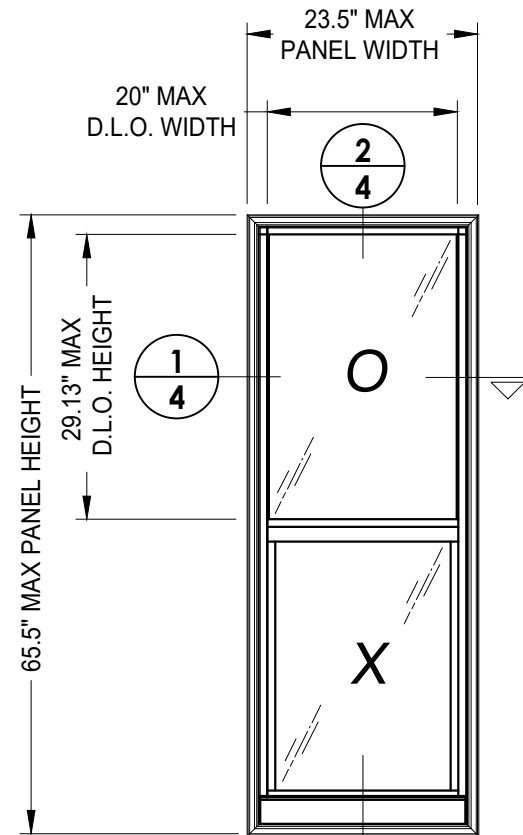
Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R6 Ext Doors\FL-14803.7-9.dwg



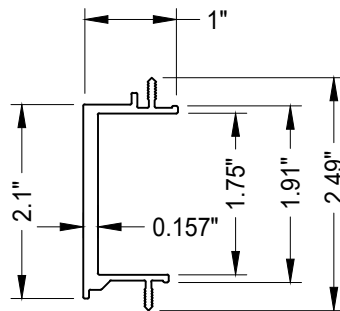
G1 GLAZING DETAIL



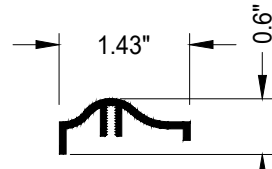
1/4 HORIZONTAL CROSS SECTION



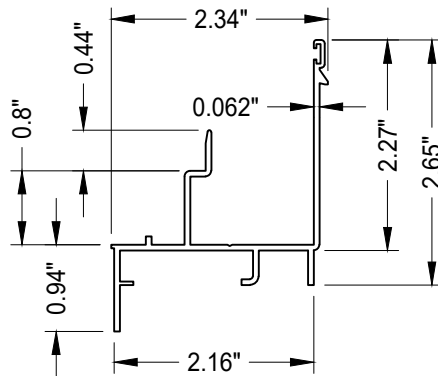
**DLP LITE FRAME
WINDSERT**



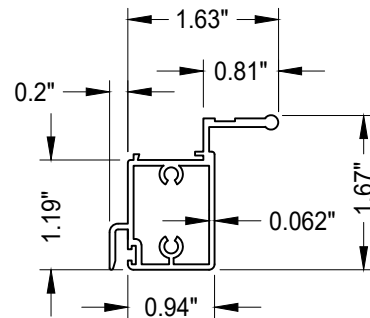
3A MOUNTING CHANNEL
ALUM (6063-T6)



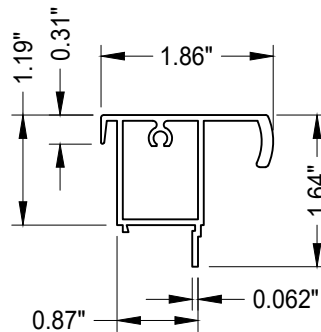
3B DECORATIVE TRIM
PVC



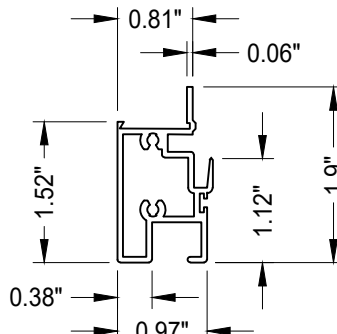
3C FRAME SILL
ALUM (6063-T6)



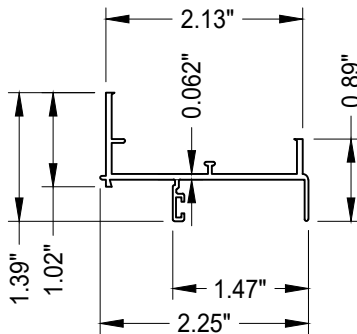
3D VENT BOTTOM RAIL
ALUM (6063-T6)



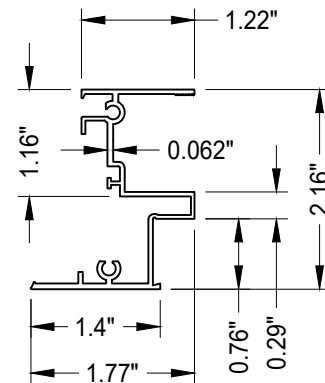
3E VENT TOP RAIL
ALUM (6063-T6)



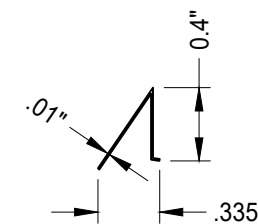
3F MEETING RAIL
ALUM (6063-T6)



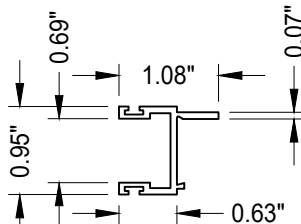
3G FRAME HEAD
ALUM (6063-T6)



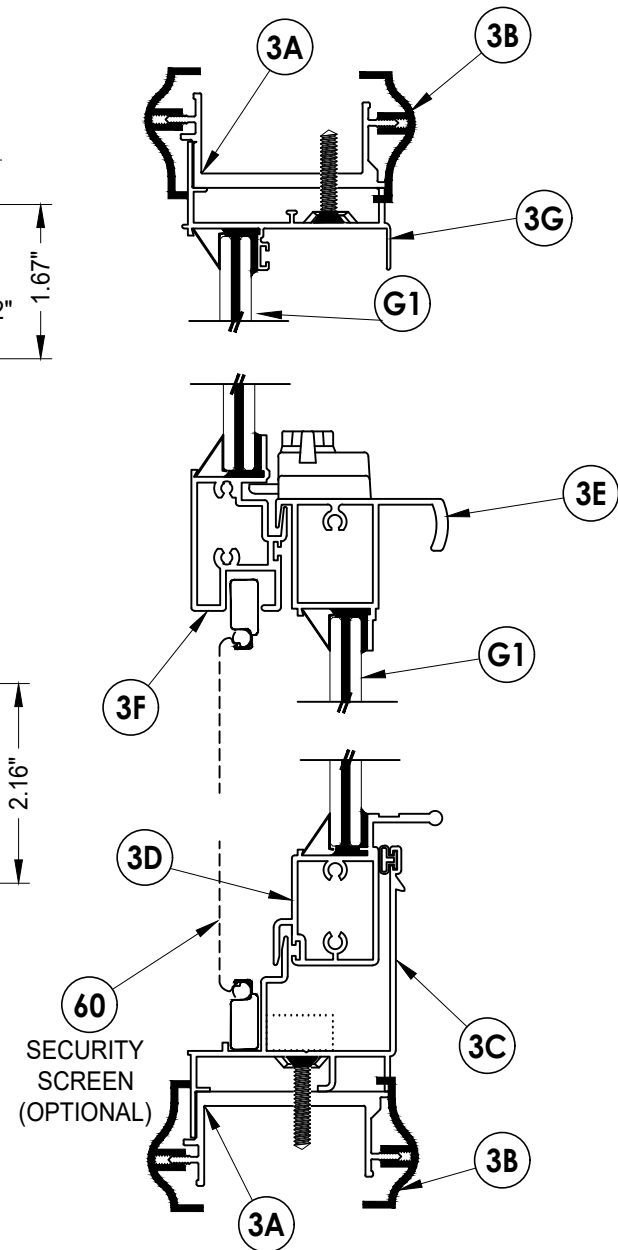
3H FRAME JAMB
ALUM (6063-T6)



3J GLAZING BEAD
ALUM



3K VENT JAMB
ALUM (6063-T6)



2/4 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: LITE FRAME DETAILS AND GLAZING DETAILS

NO.	DATE	REVISIONS
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
JK		
BY		

DATE: 9/14/15

SCALE: N.T.S.

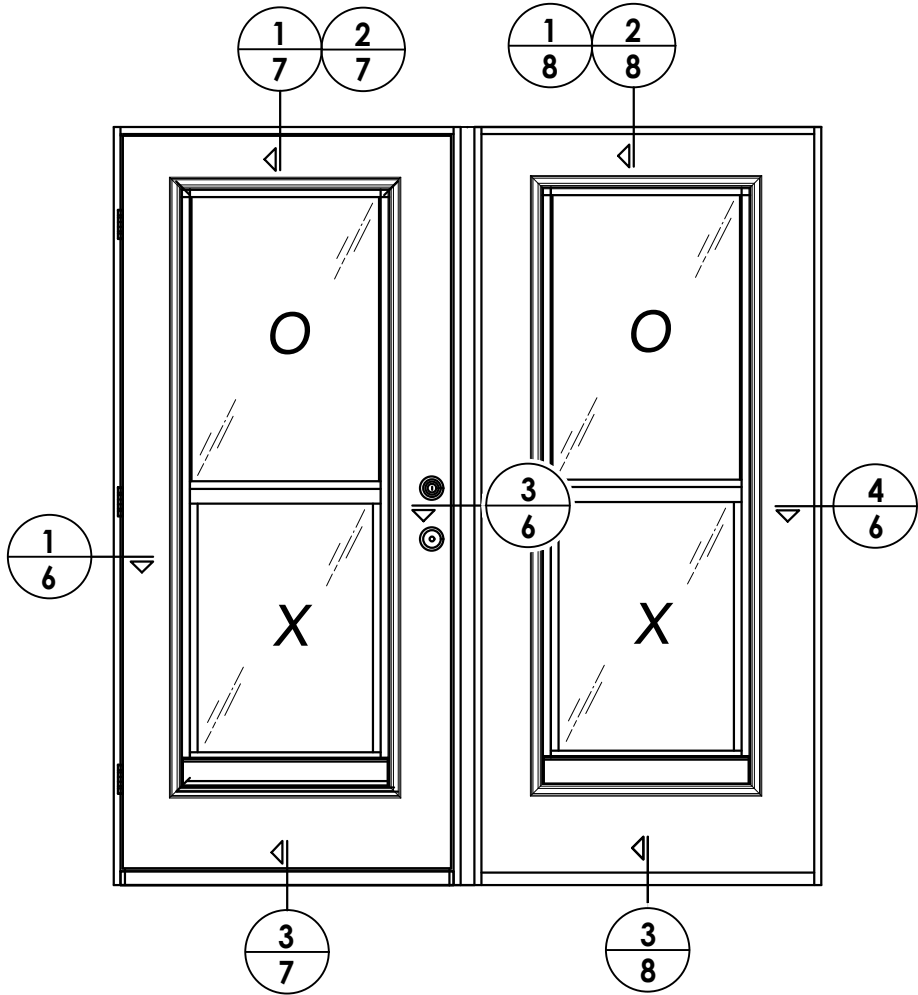
DWG. BY: JK

CHK. BY: LFS

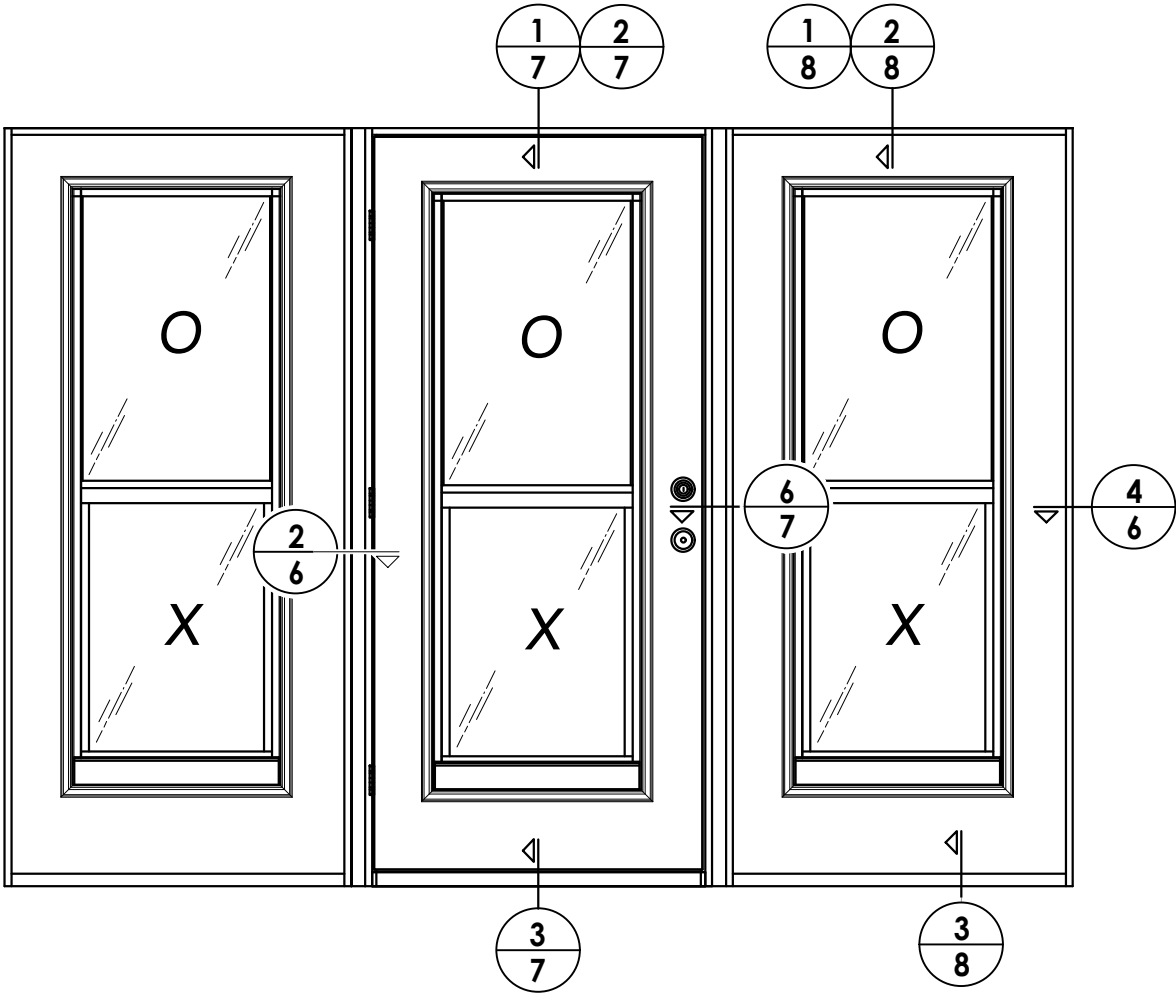
DRAWING NO.: FL-14803.8

SHEET 4 OF 11

Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R6 Ext Doors\FL-14803.7-9.dwg



ELEVATION (XO - OX)



ELEVATION (OXO)

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			BY	

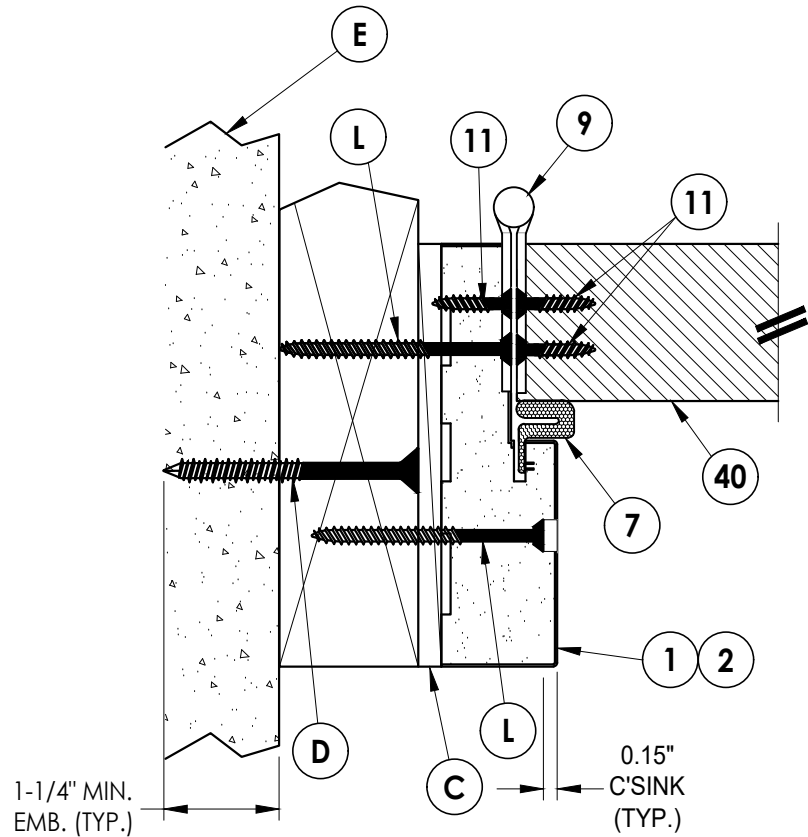
DATE:	9/14/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.8
SHEET	5 OF 11

PRODUCT:	DLP WINDSERT
PART OR ASSEMBLY:	ELEVATIONS

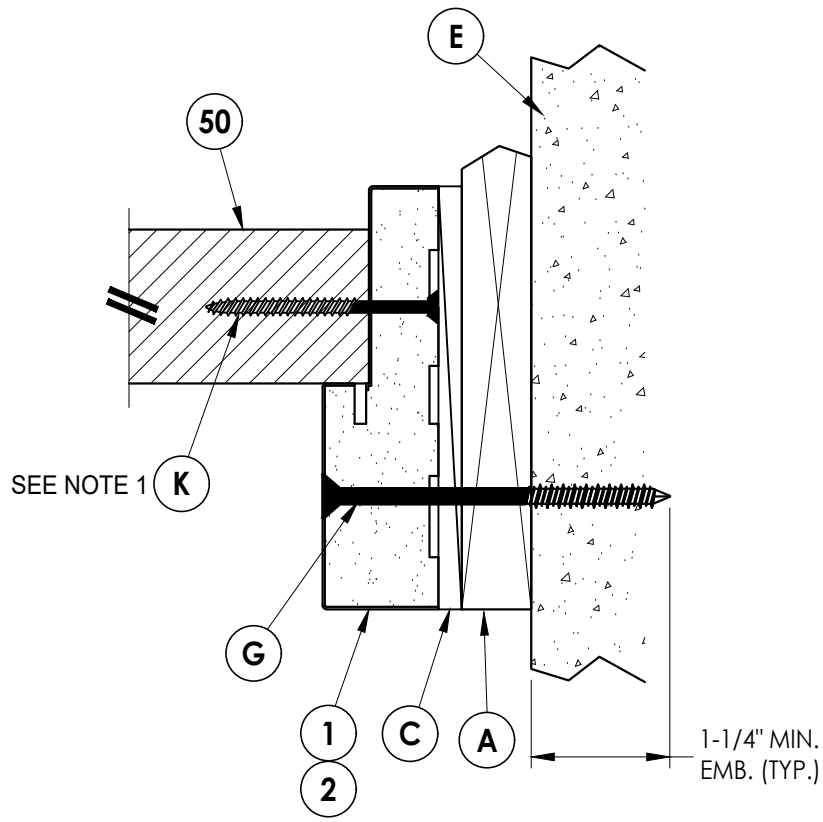
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

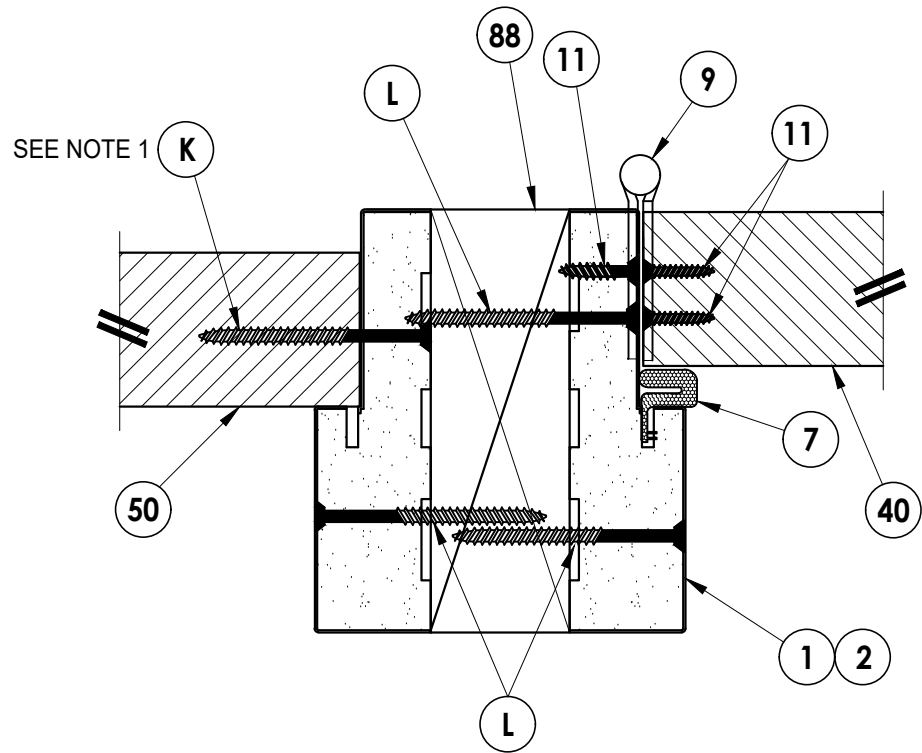
Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R6 Ext Doors\FL-14803.7-9.dwg



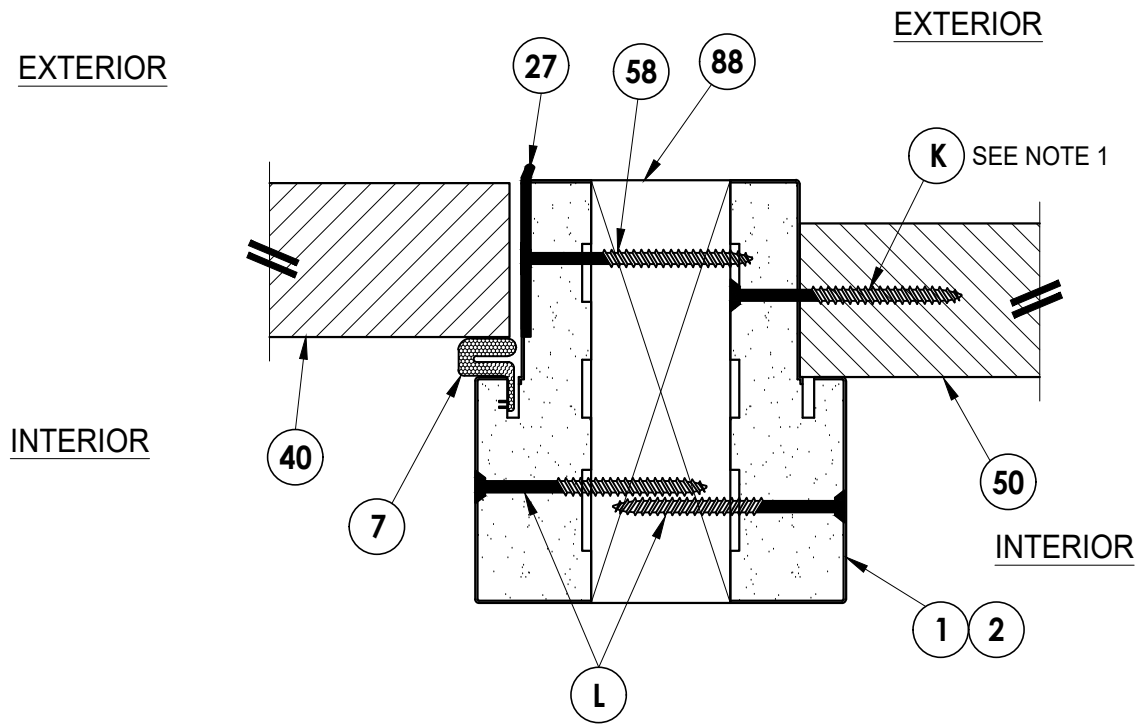
1
6 HORIZONTAL CROSS SECTION



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



2
6 HORIZONTAL CROSS SECTION



3
6 HORIZONTAL CROSS SECTION

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

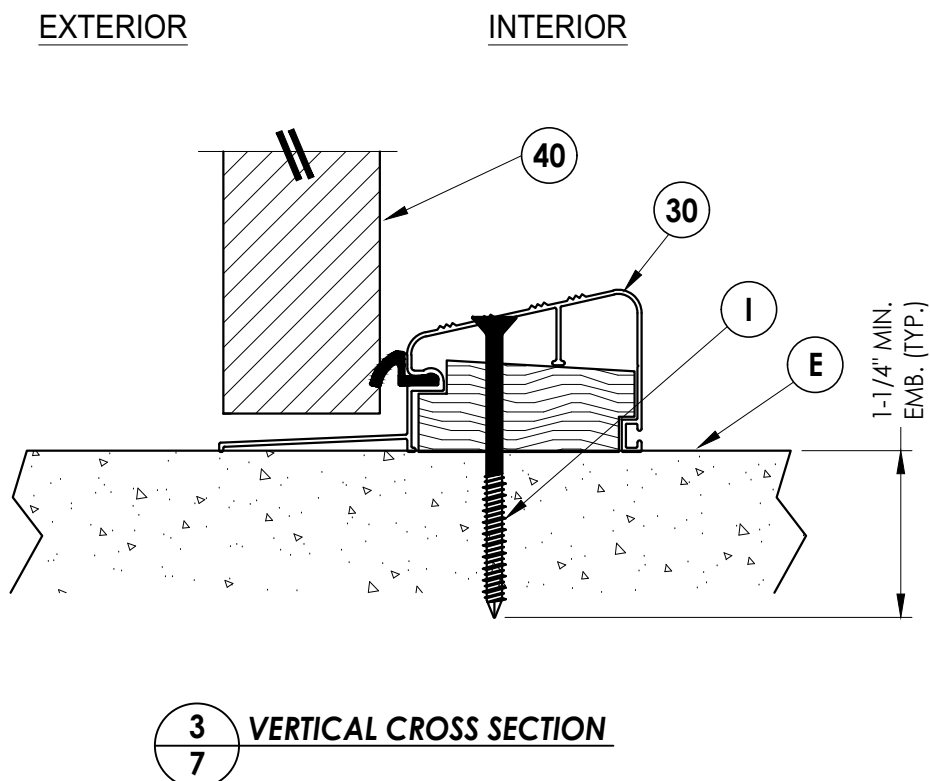
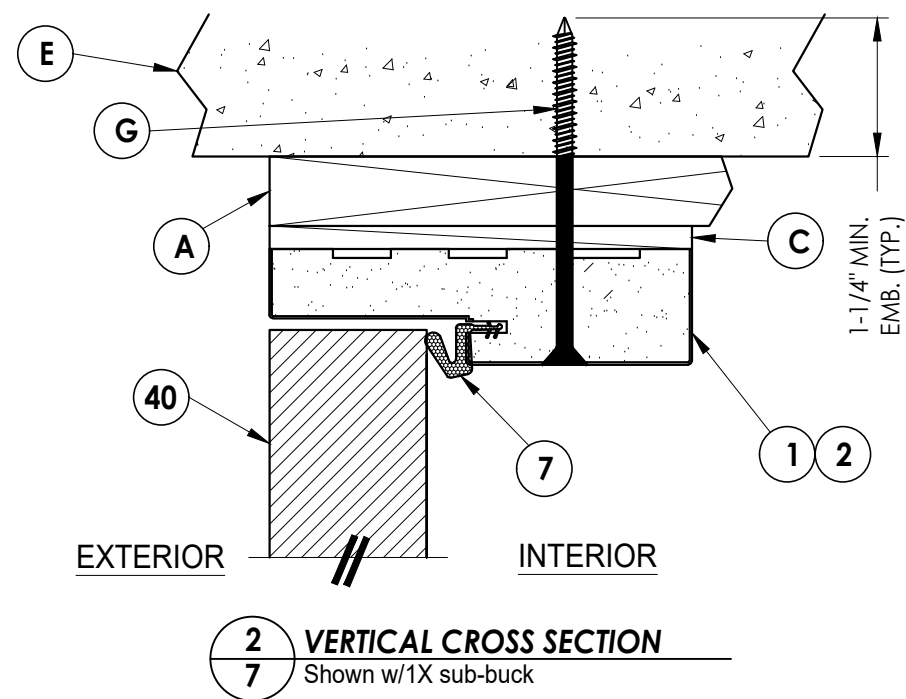
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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: HORIZONTAL CROSS SECTIONS

NO.	DATE	REVISIONS			
		BY	JK	LFS	FBC
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

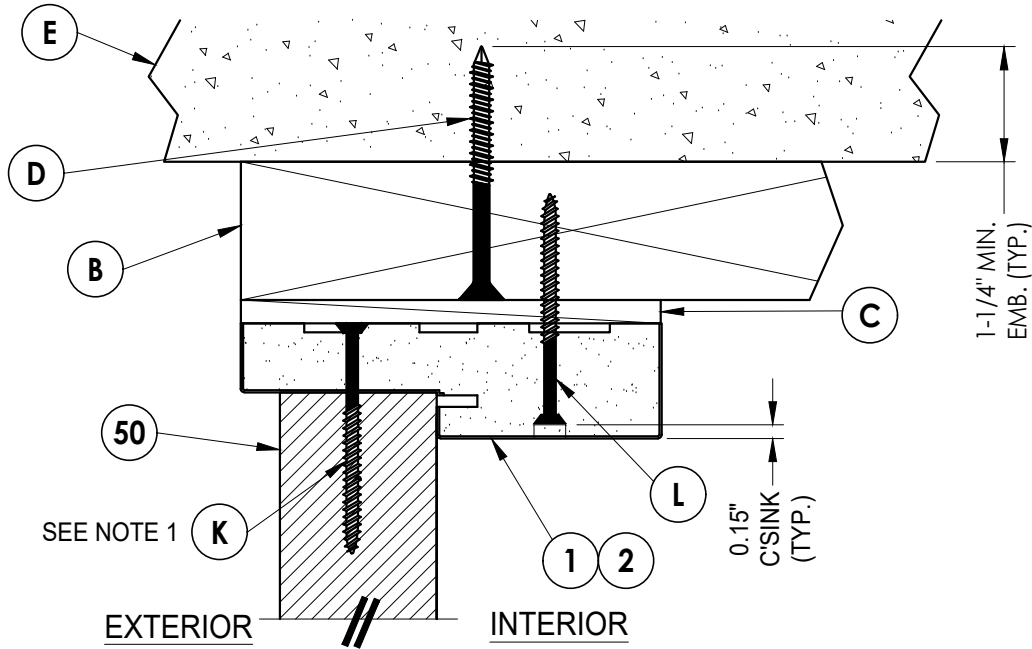
DATE: 9/14/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-14803.8
SHEET 6 OF 11

[illegible]

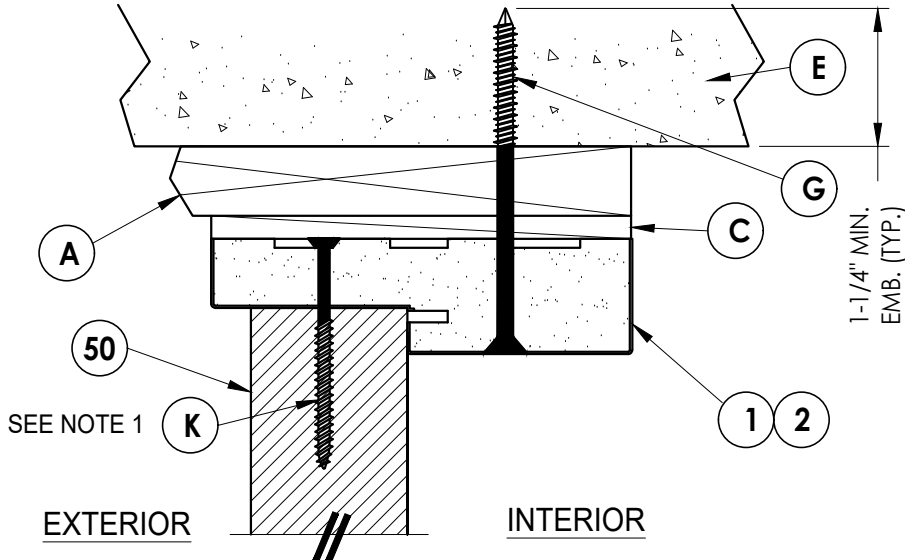
Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R6 Ext Doors\FL-14803.7-9.dwg

NOTE

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



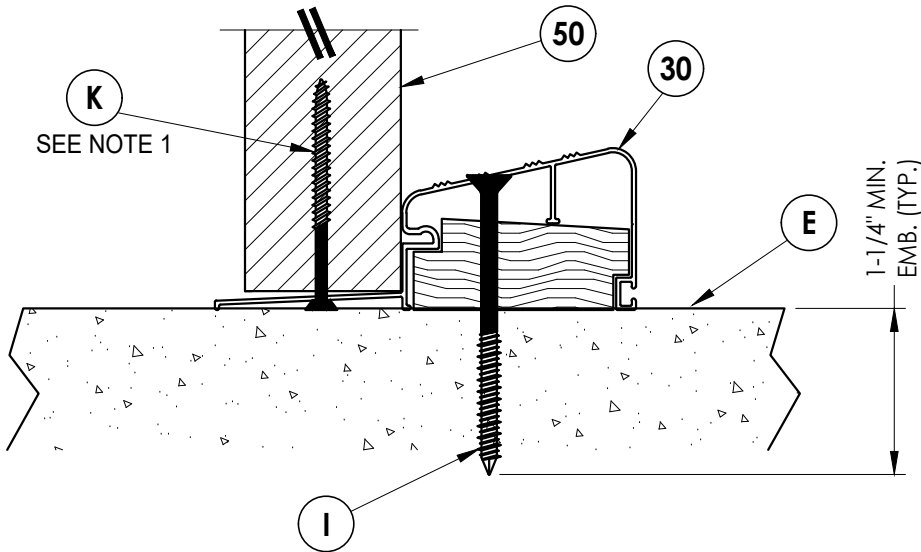
1 8 VERTICAL CROSS SECTION



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

EXTERIOR

INTERIOR



3 8 VERTICAL CROSS SECTION

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

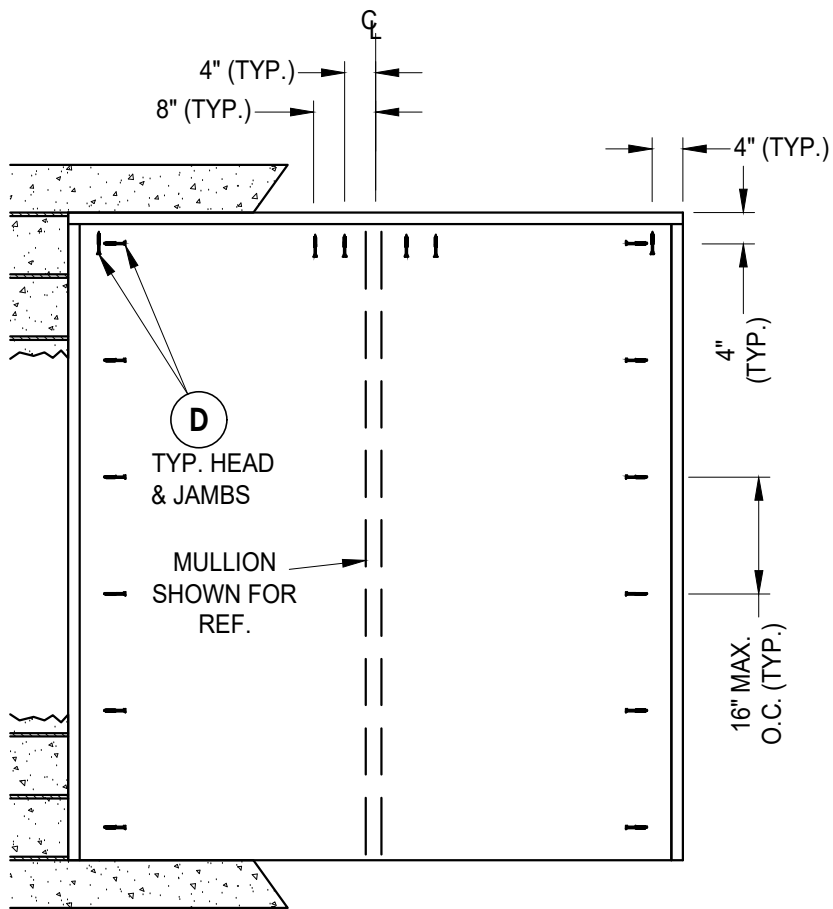
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:	DLP WINDSERT
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

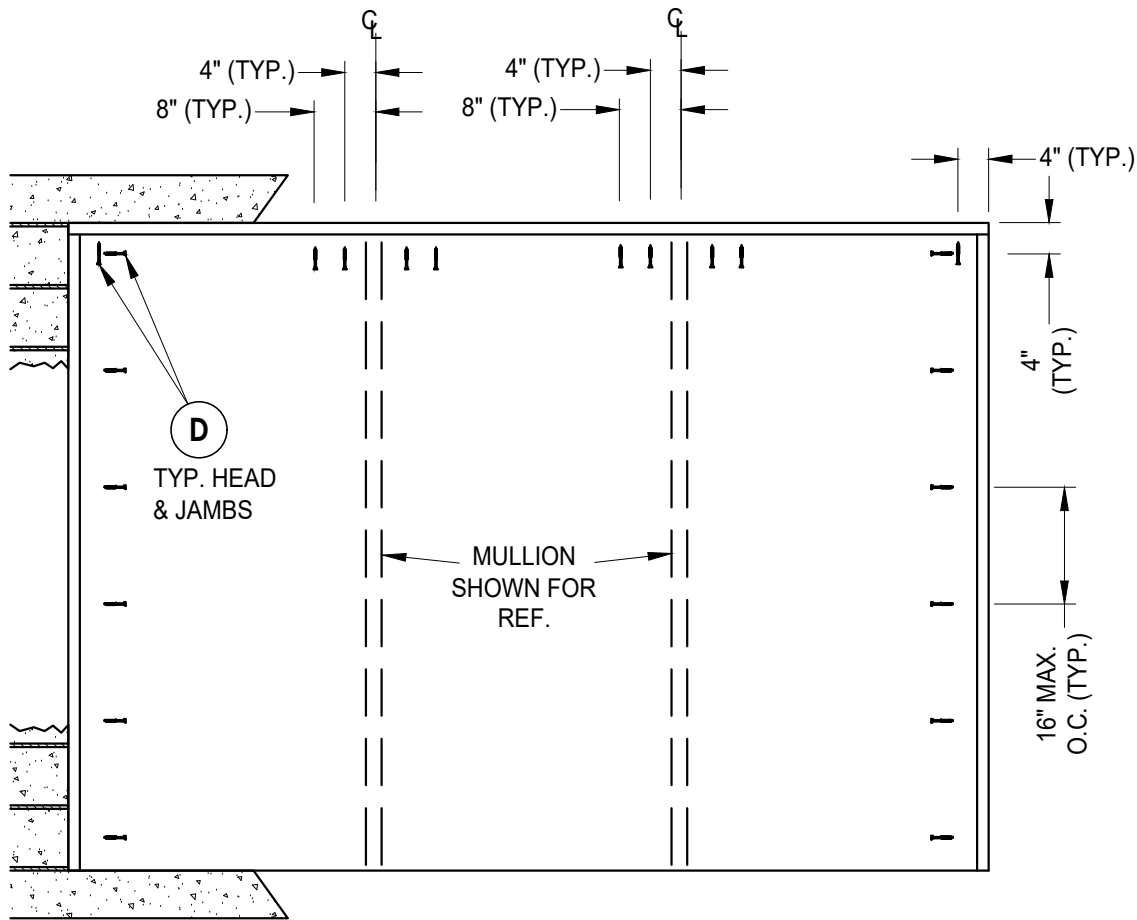
NO.	DATE	REVISIONS
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC
2	8/31/20	UPDATE TO 7TH ED. (2020) FBC
1	8/16/17	UPDATE TO 6TH ED. (2017) FBC
NO.	DATE	BY

DATE:	9/14/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-14803.8
SHEET	8 OF 11

Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R6 Ext Doors\FL-14803.7-9.dwg



BUCK ANCHORING
OX



BUCK ANCHORING
OXO

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"

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.

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:

BUCK ANCHORING

DATE: 9/14/15

SCALE: N.T.S.

DWG. BY: JK

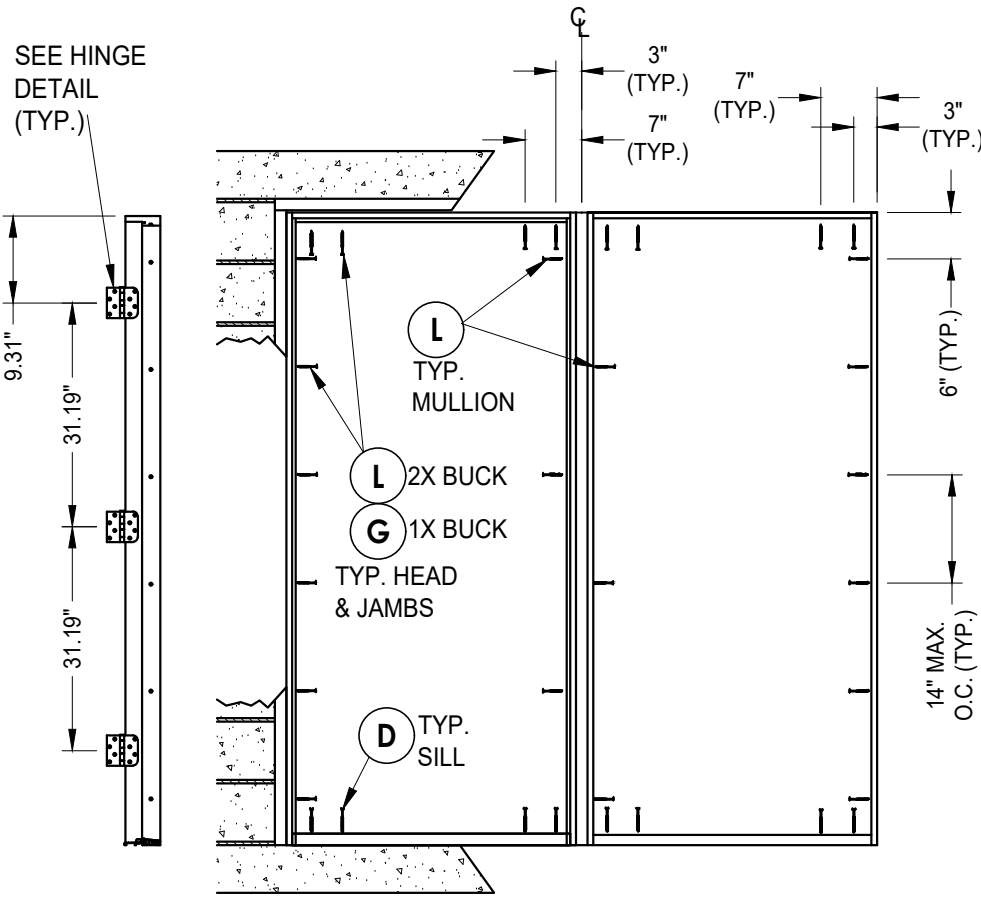
CHK. BY: LFS

DRAWING NO.:

FL-14803.8

SHEET 9 OF 11

Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R6 Ext Doors\FL-14803.7-9.dwg

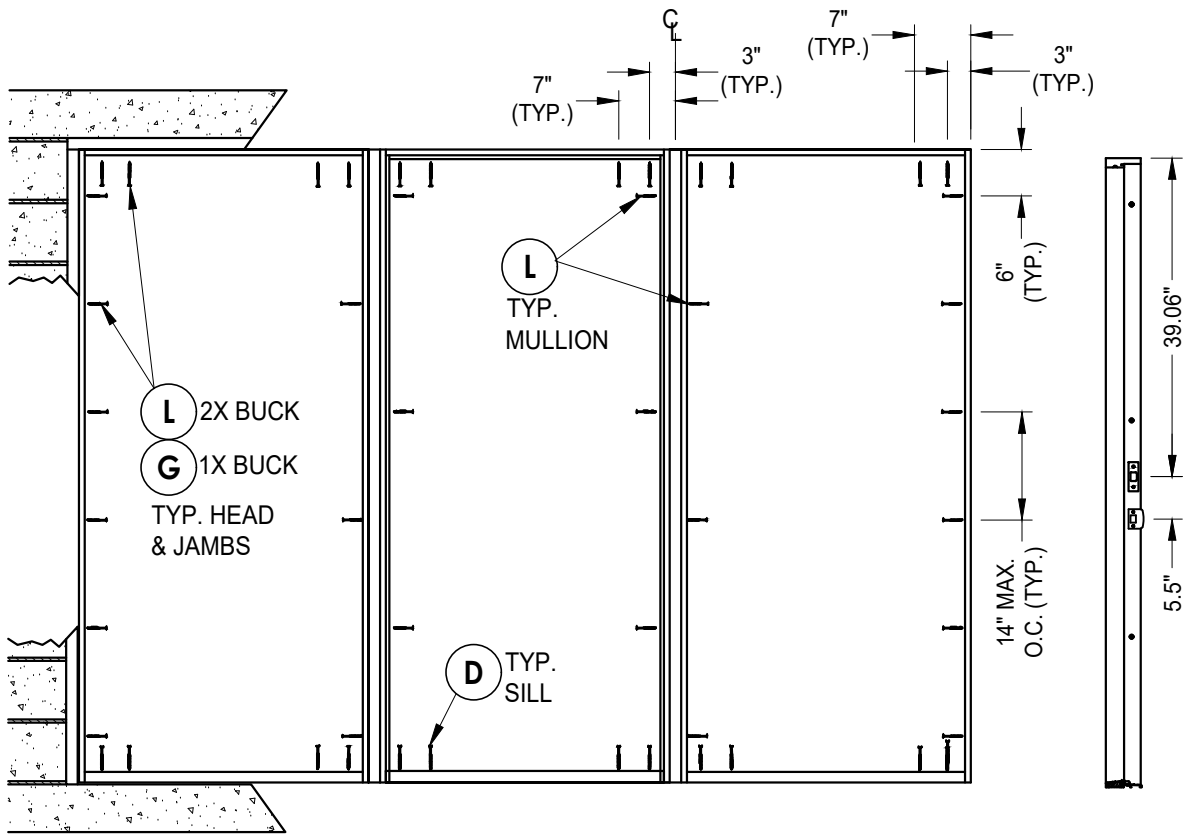


HINGE JAMB

FRAME ANCHORING
OX

STRIKE MULLION

HINGE MULLION



FRAME ANCHORING
OXO

STRIKE MULLION

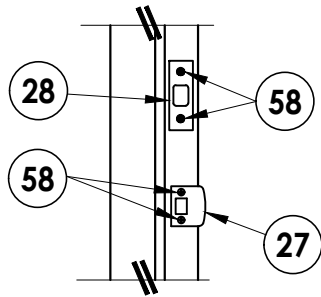
CONCRETE ANCHOR NOTES:

- 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.
- Concrete anchor table:

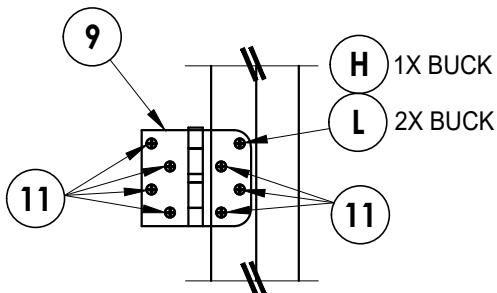
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.



LATCH AND DEADBOLT
Details



HINGE DETAIL
Outswing

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: FRAME ANCHORING

NO.	DATE	REVISIONS
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

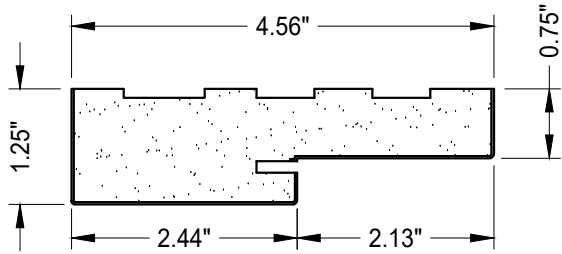
DRAWING NO.:

FL-14803.8

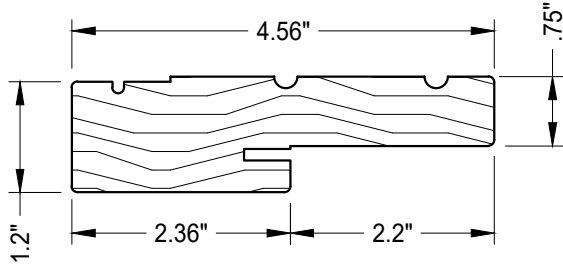
SHEET 10 OF 11

Z:\2023 FBC Drawings\DLP-Pressrite, Inc\FL-14803 R6 Ext Doors\FL-14803.7-9.dwg

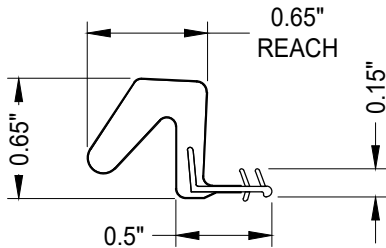
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	1/4" X 3-3/4" PFH 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 (SECURITY)	STEEL
30	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



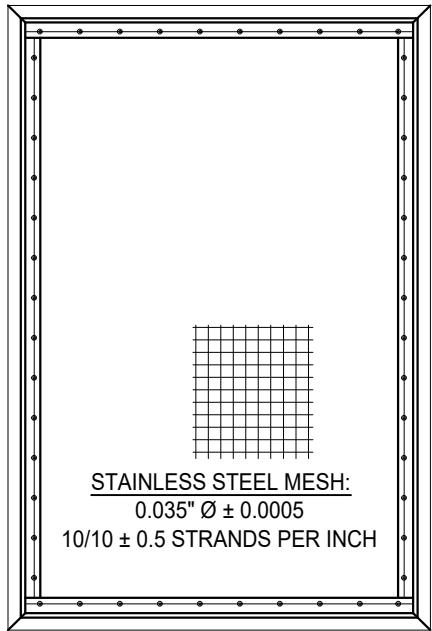
1 POLY FIBER JAMB
Plastpro



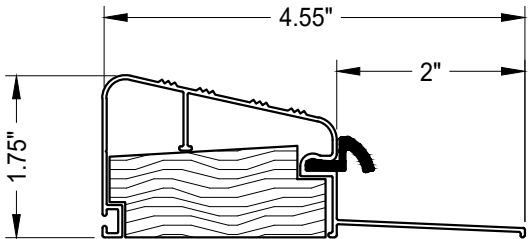
2 WOOD JAMB



7 WEATHERSTRIP
Endura Force 5



60 SECURITY SCREEN
ALUM (6063-T6)



30 OUTSWING THRESHOLD
DLP (QOSR)

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
3	8/09/23	UPDATE TO 8TH ED. (2023) FBC	JK
2	8/31/20	UPDATE TO 7TH ED. (2020) FBC	JK
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-14803.8			
SHEET 11 OF 11			