



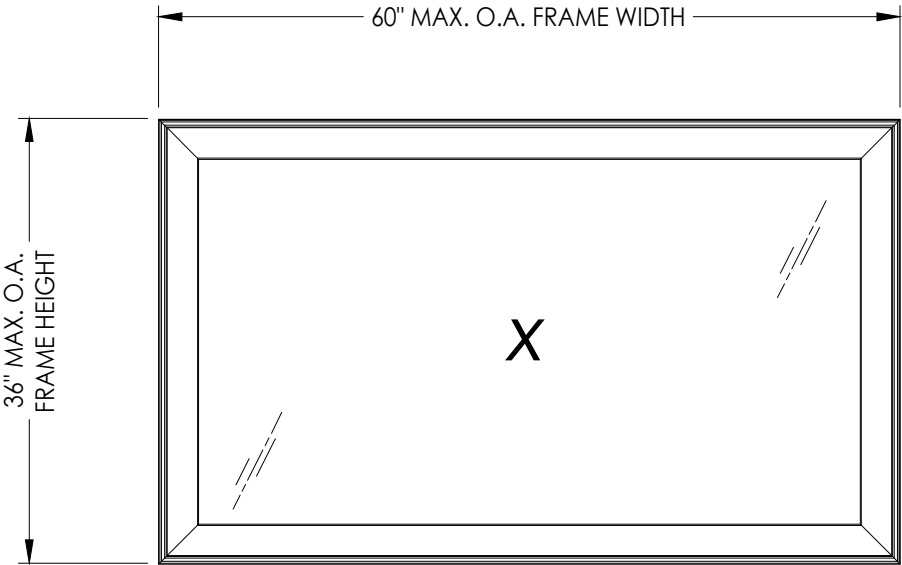
250 Staunton Turnpike, Parkersburg, WV 26104

5400 / 5400S / 7700 / 9900 Series
Vinyl Awning Window
"NON-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 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 and general notes
2	Horizontal cross sections
3	Buck and frame anchoring
4	Bill of materials, components and glazing detail



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
60.0" X 36.0"	53.5" X 29.5"	G1	+50.0	-50.0

L7 Schmidt

L. F. SCHMIDT

LICENSE

No. 43409

★

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Digitally signed by

Lyndon F Schmidt

Date:

2023.07.06 09:53:22 -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

PRODUCT:

Vinyl Awning Window

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

NO.	DATE	DESCRIPTION
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
4	7/02/20	UPDATE TO 7TH ED. (2020) FBC
3	12/10/19	UPDATE FOR NEW TESTING
2	6/01/17	UPDATE TO 6TH ED. (2017) FBC
1	1/28/15	UPDATE TO 5TH ED. (2014) FBC

DATE:

8/07/14

SCALE:

N.T.S.

DWG. BY:

JK

CHK. BY:

LFS

DRAWING NO.:

FL-15818.4

SHEET

1

OF

4

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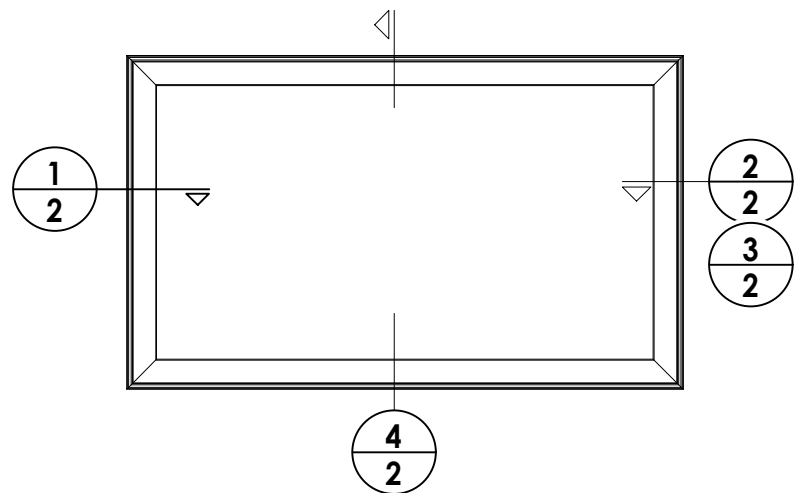
RW

BUILDING CONSULTANTS, INC.

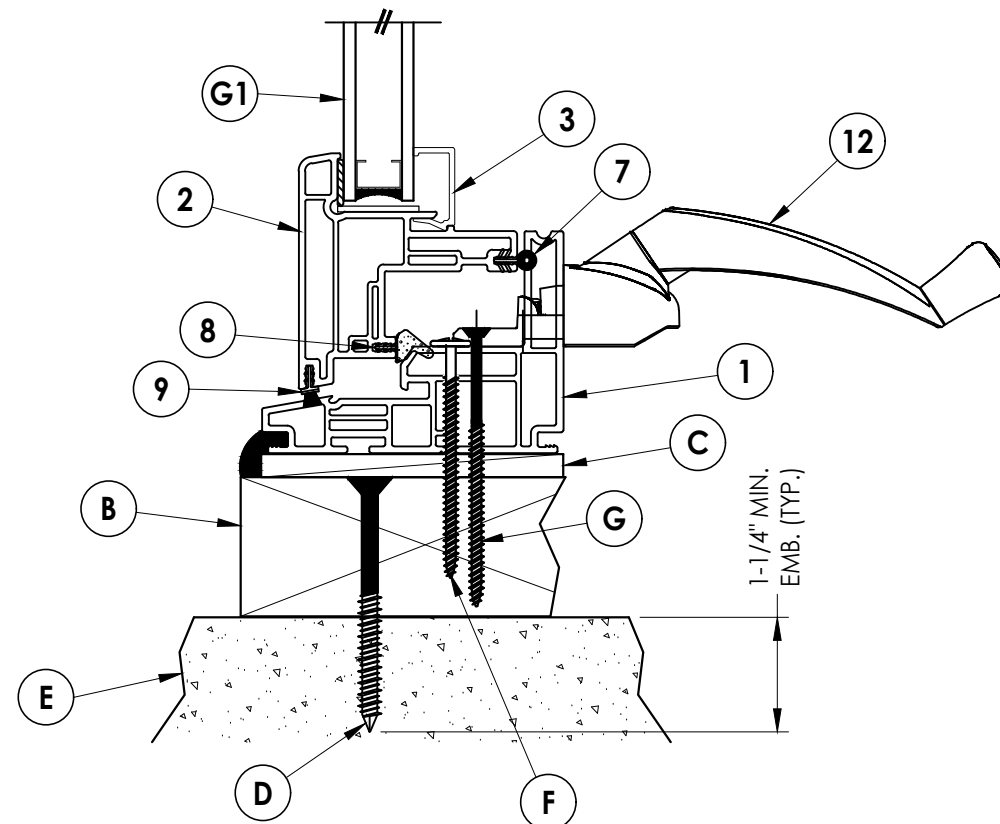
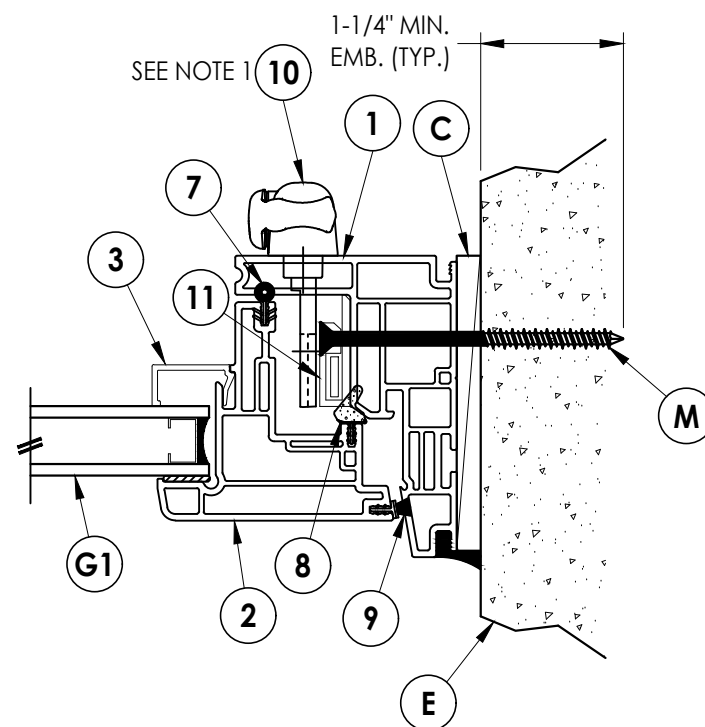
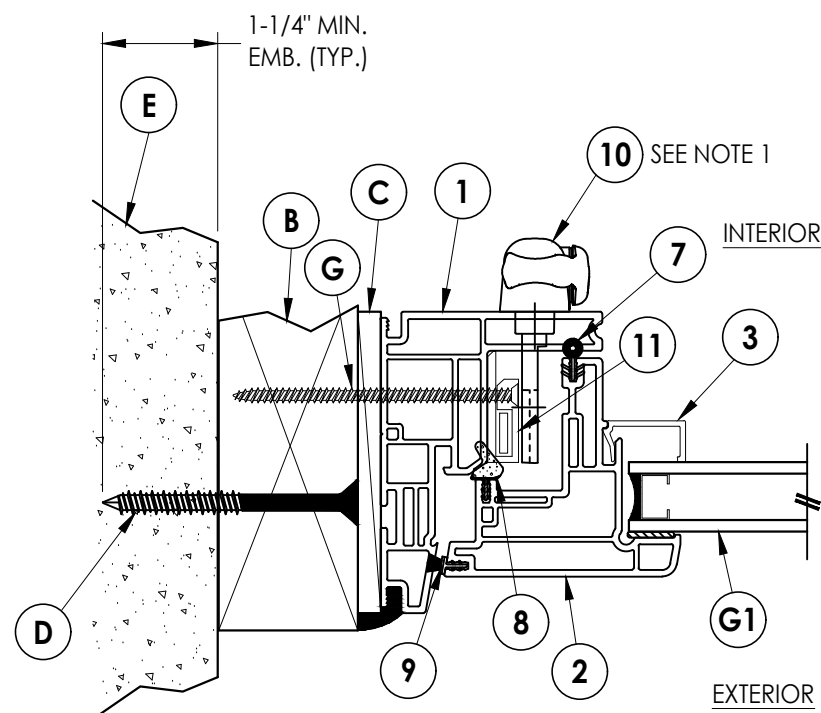
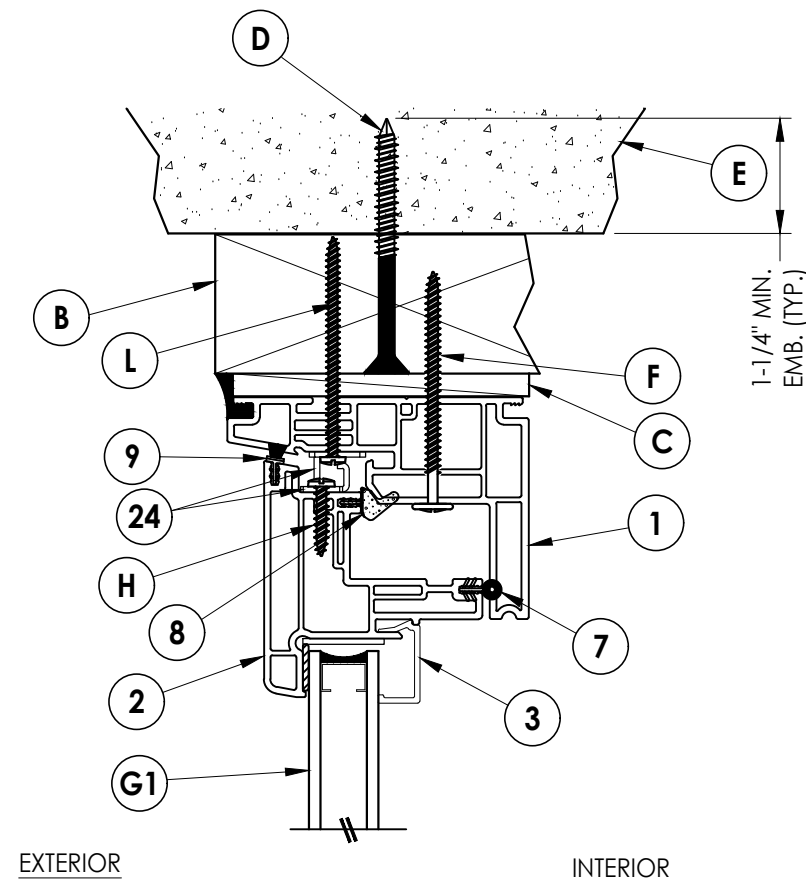
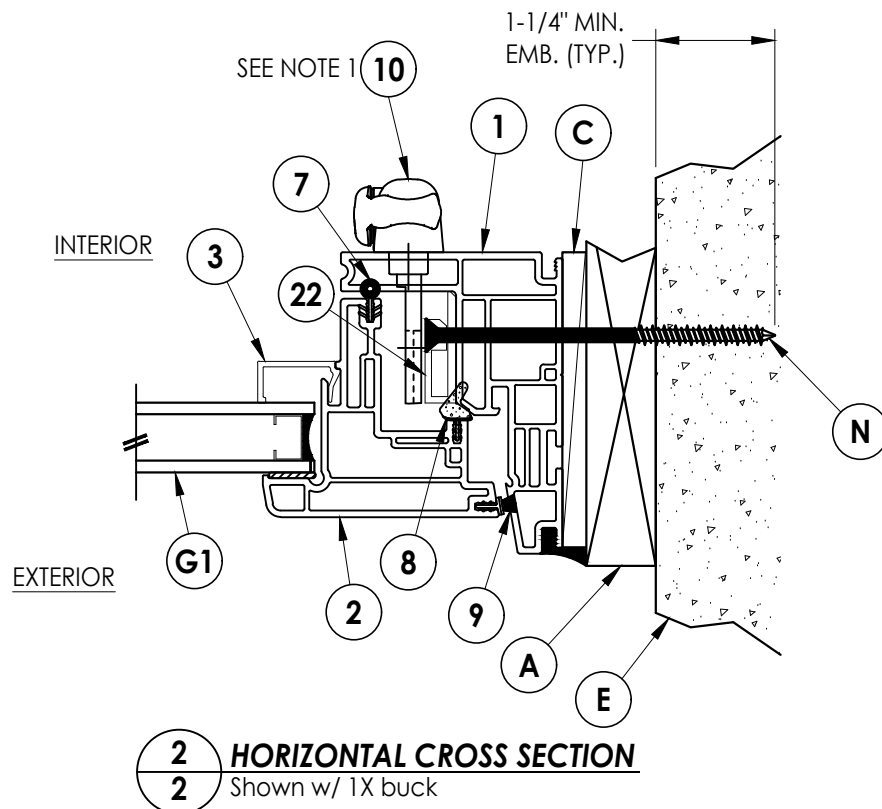
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813



Note:
1. Locks located @ 9" from the bottom of each stile.



1
2 **HORIZONTAL CROSS SECTION**
Shown w/ 2X buck

3
2 **HORIZONTAL CROSS SECTION**
Shown direct to masonry

4
2 **VERTICAL CROSS SECTION**

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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:
Vinyl Awning Window

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS
5	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
4	7/02/20	UPDATE TO 7TH ED. (2020) FBC LFS
3	12/10/19	UPDATE FOR NEW TESTING RW
2	6/01/17	UPDATE TO 6TH ED. (2017) FBC LFS
1	1/28/15	UPDATE TO 5TH ED. (2014) FBC JK

DATE: 8/07/14

SCALE: N.T.S.

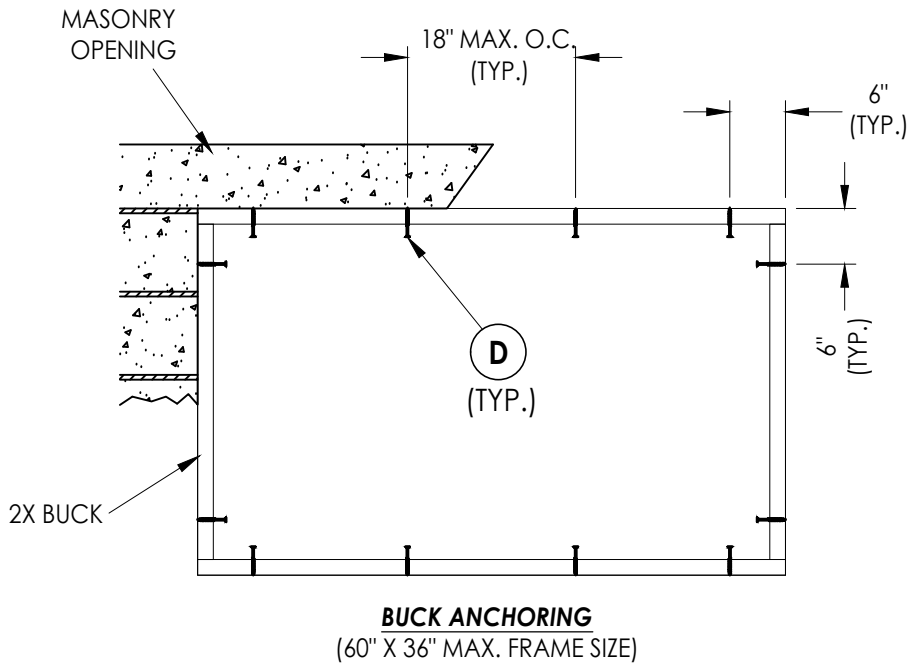
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15818.4

SHEET 2 OF 4

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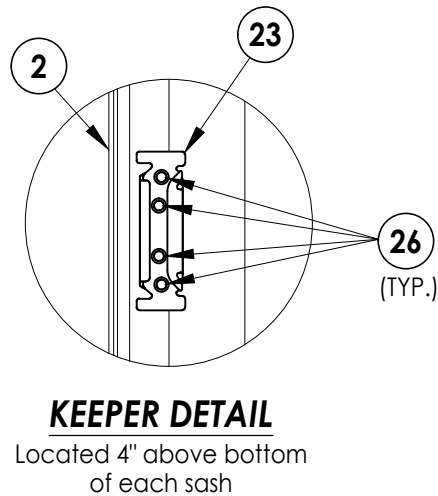
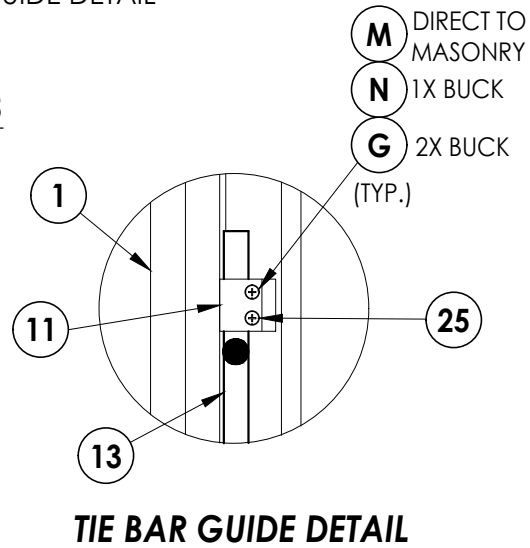
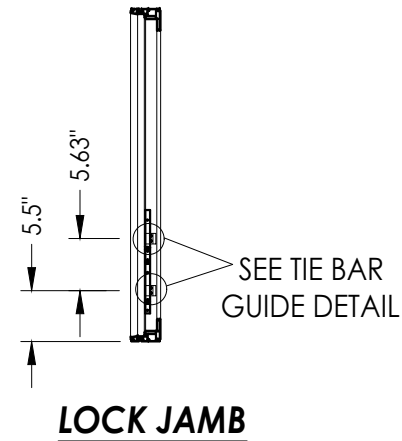
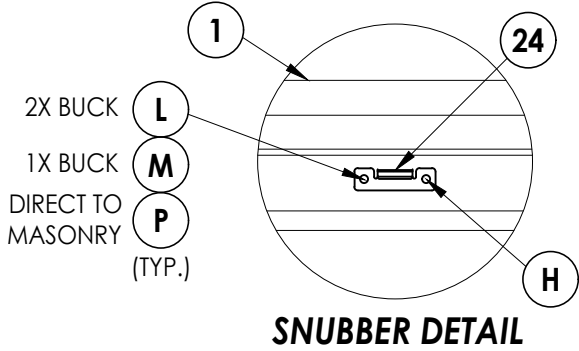
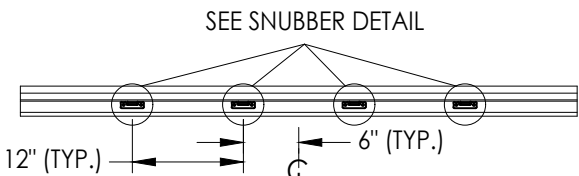
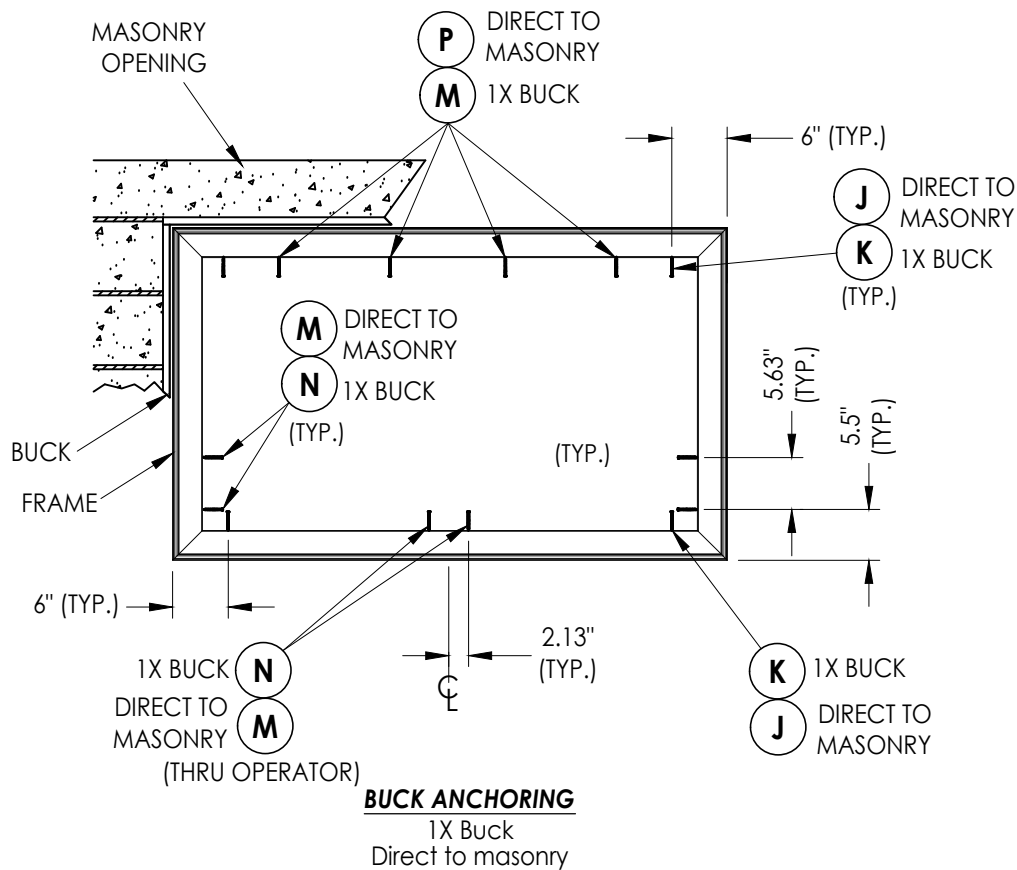
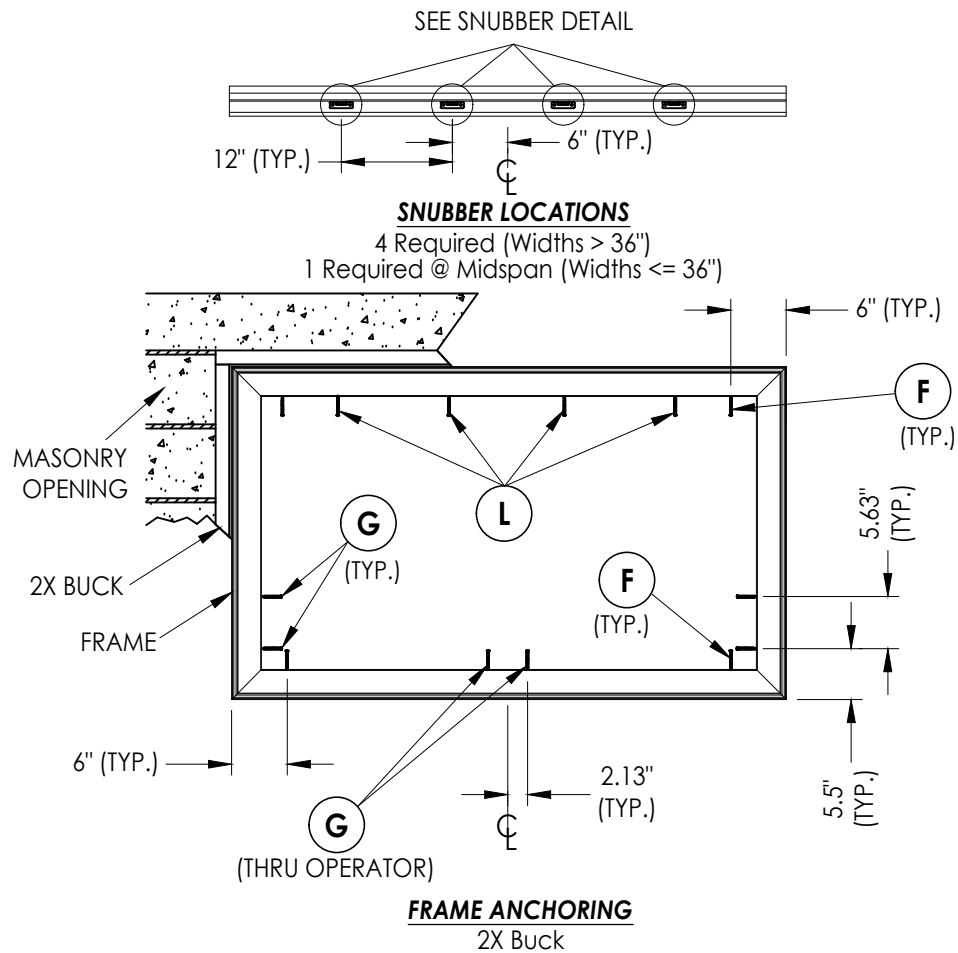
CONCRETE ANCHOR NOTES:

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"

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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P.O. Box 230, Vairico, FL 33595
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PRODUCT:
Vinyl Awning Window

PART OR ASSEMBLY:
BUCK AND FRAME ANCHORING

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5	7/06/23	UPDATE TO 8TH ED. (2023) FBC
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CHK. BY: LFS

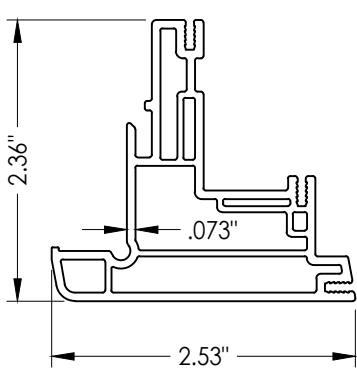
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SHEET 3 OF 4

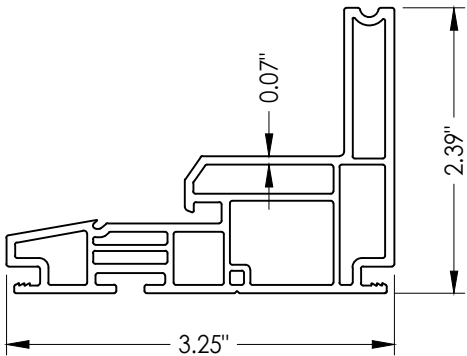
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 2-1/2" MODIFIED TRUSS HEAD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
G	#8 X 3" PFH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
H	#8 X 3/4" PPH SMS	STEEL
J	1/4" X 3-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#8 X 2-1/2" PPH WOOD SCREW (1-1/2" MIN. EMBEDMENT)	STEEL
M	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
N	3/16" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
P	3/16" X 2-3/4" PFH ITW CONCRETE SCREW	STEEL
1	FRAME*	PVC
2	SASH*	PVC
3	GLAZING BEAD*	PVC
7	WEATHERSTRIP AMESBURY (CS 120 33-SEAL)	FOAM
8	WEATHERSTRIP AMESBURY (12300 SEAL)	VINYL
9	WEATHERSTRIP ULTRA FAB .250 (PILE - 250 - KP52)	VINYL
10	MULTI-POINT LOCK (TRUTH) W1495-20	-
11	TIE BAR GUIDE (TRUTH) 2008741	-
12	OPERATOR (TRUTH) 2006468	-
13	TIE BAR (TRUTH) 2005287	-
23	KEEPER (TRUTH) W1495-01W11	STEEL
24	SNUBBER (TRUTH) (SASH/FRAME) WCS1-1496-85	-
25	#8 X 1" PFH SMS	STEEL
26	#8 X 1/2" PFH SMS	STEEL

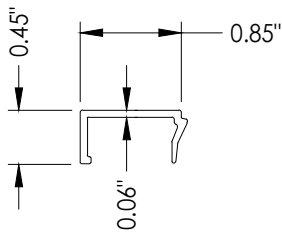
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



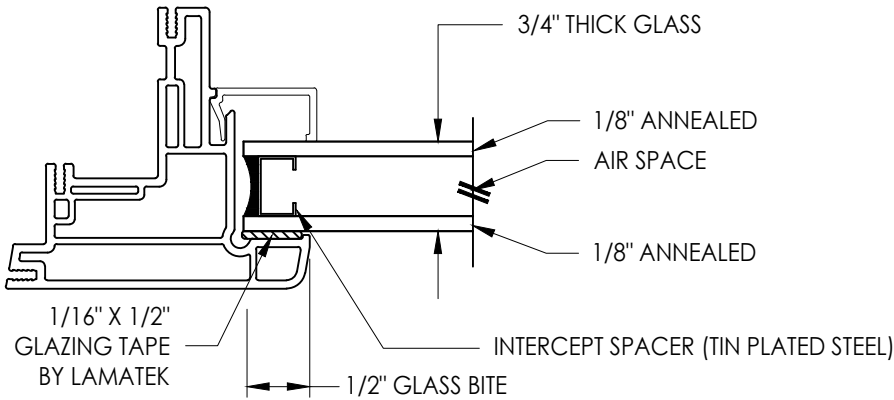
2 SASH



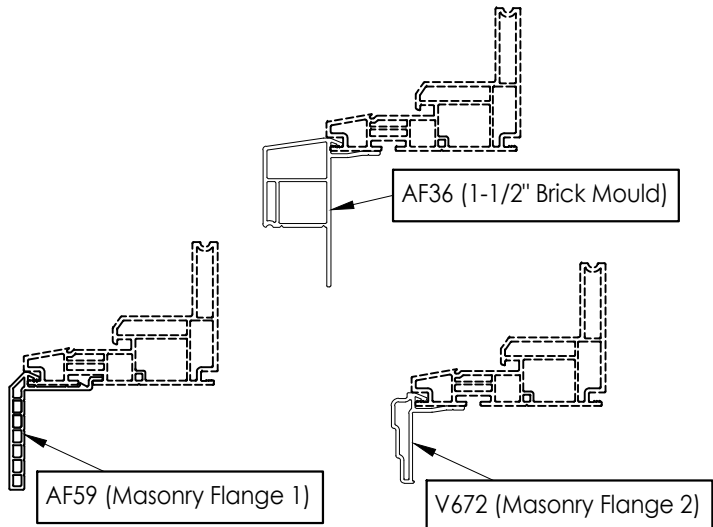
1 FRAME



3 GLAZING BEAD



G1 GLAZING DETAIL



OPTIONAL COSMETIC FLANGES

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