

WINCORE™

WINDOWS & DOORS

250 Staunton Turnpike, Parkersburg, WV 26104

5400 / 5400S / 7700 / 9900 Series

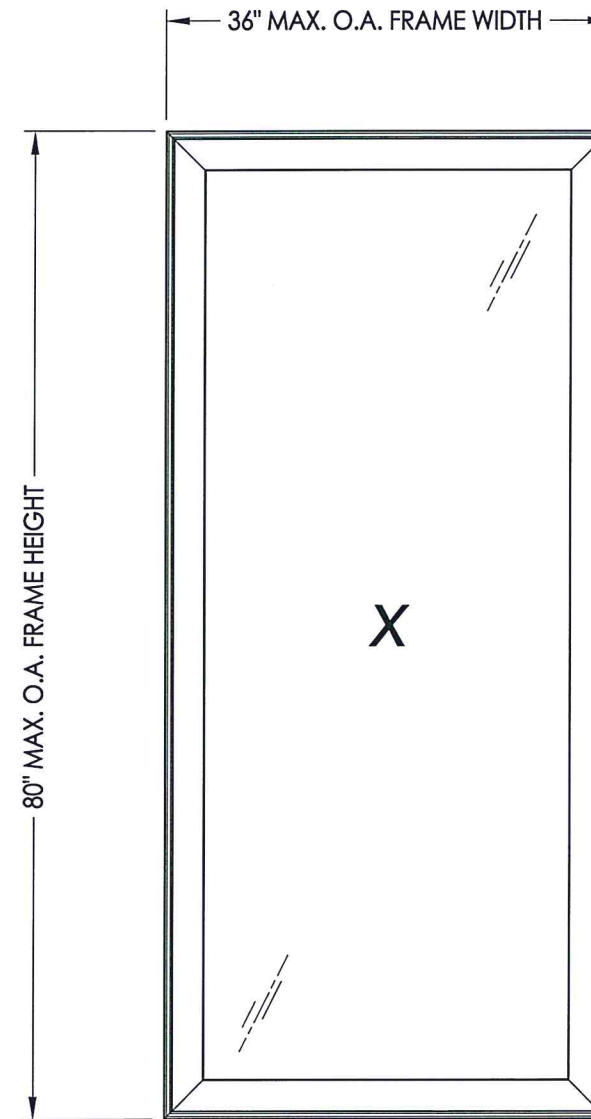
Vinyl Outswing Casement Window

"NON-IMPACT"

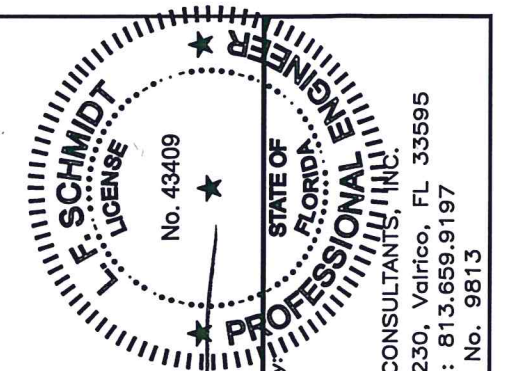
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 6th Edition (2017) 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 & vertical cross sections
3	Horizontal & vertical cross sections
4	Buck and frame anchoring
5	Bill of materials, components and glazing details



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
36.0" X 80.0"	29.5" X 73.5"	G1	+50.0	-50.0



Documents Prepared By:
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RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE C.A. No. 9813

PRODUCT: Vinyl Outswing Casement Window

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

NO.	DATE	REVISIONS
3	12/11/19	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.

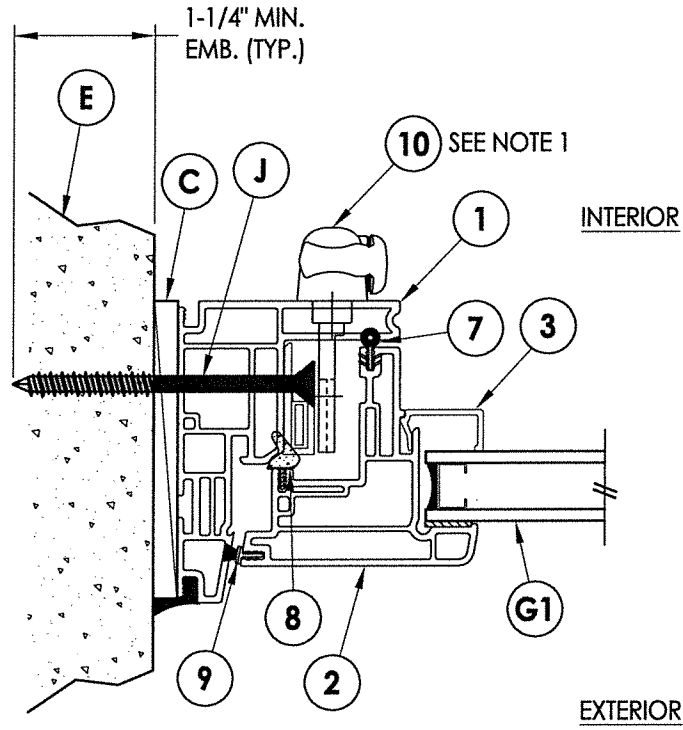
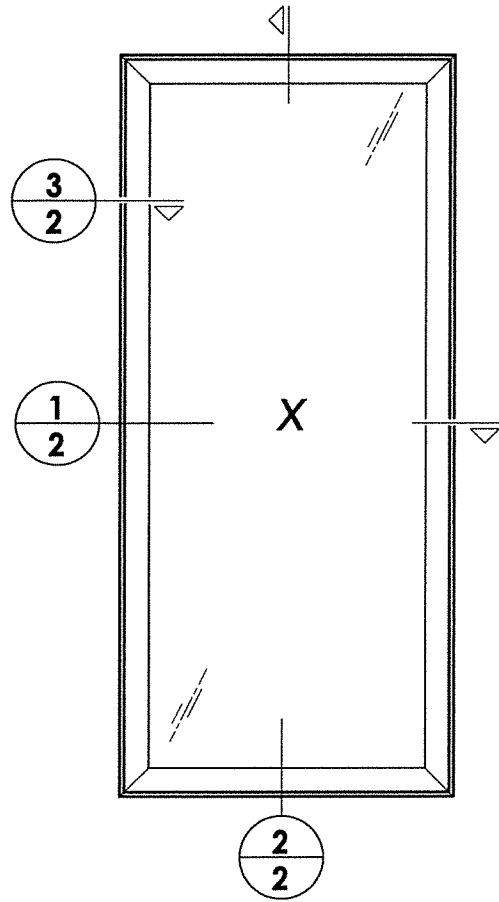
DWG. BY: JK

CHK. BY: LFS

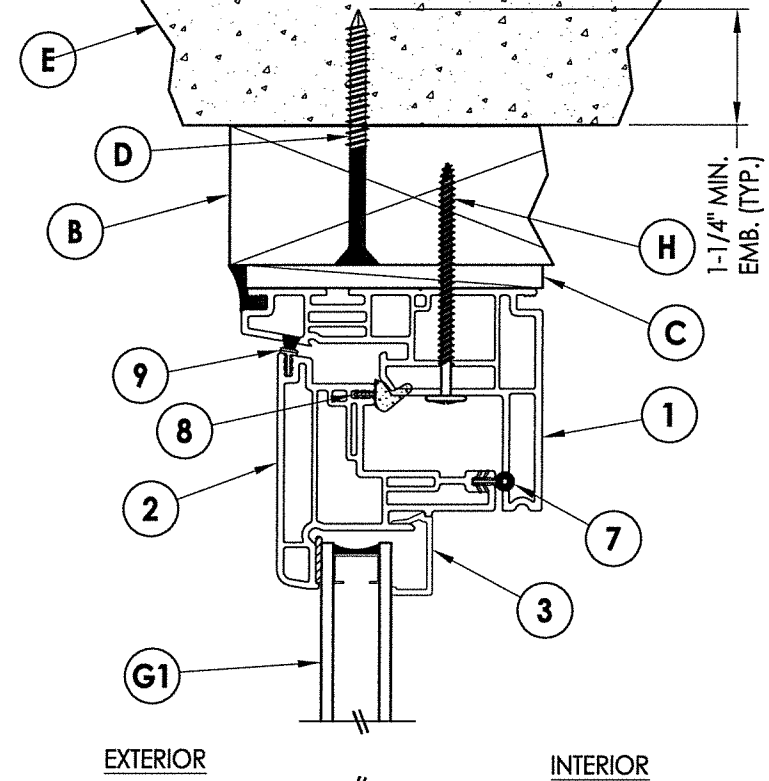
DRAWING NO.: FL-15817.4

SHEET 1 OF 5

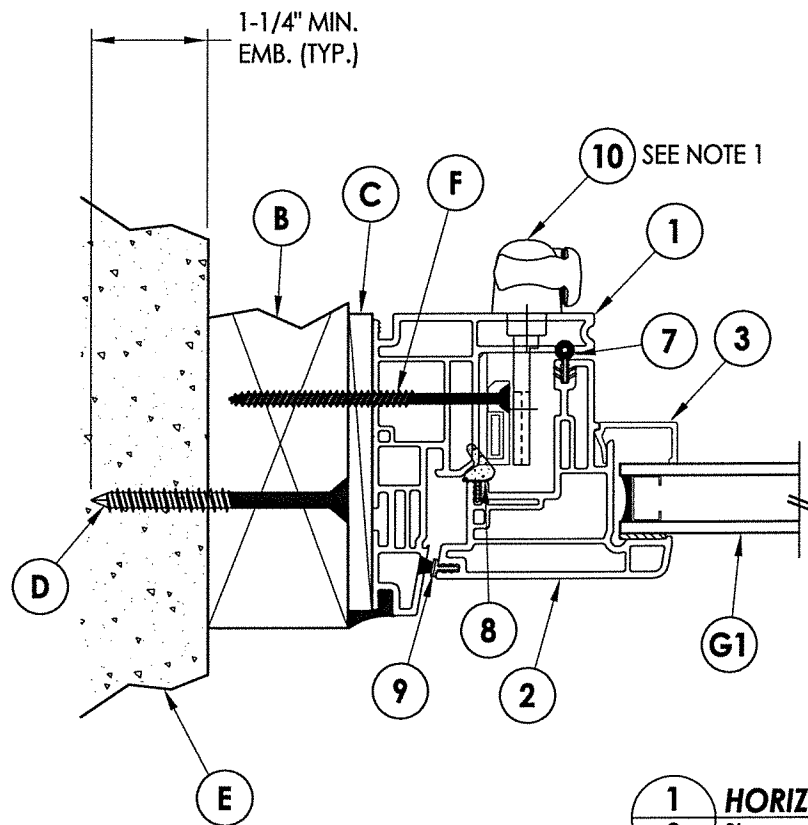
NOTE:
1. Multi-point locks/keepers (4) located at 5.5", 27.5", 50.5" and 73.5" from the bottom of sash.



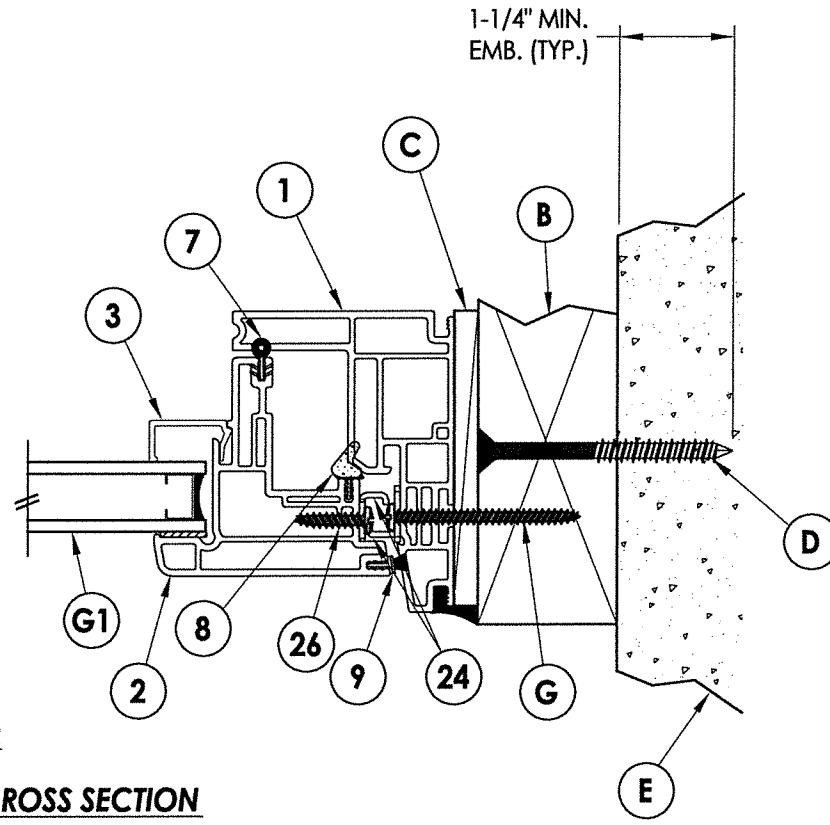
3 HORIZONTAL CROSS SECTION
2 Shown Direct to Masonry



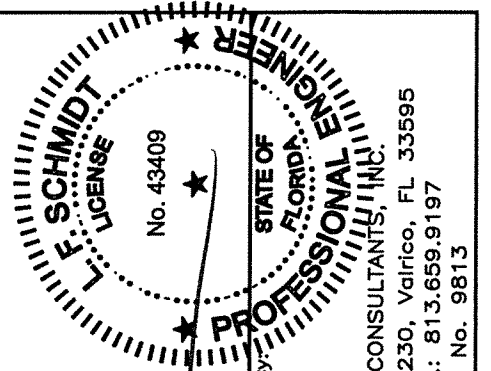
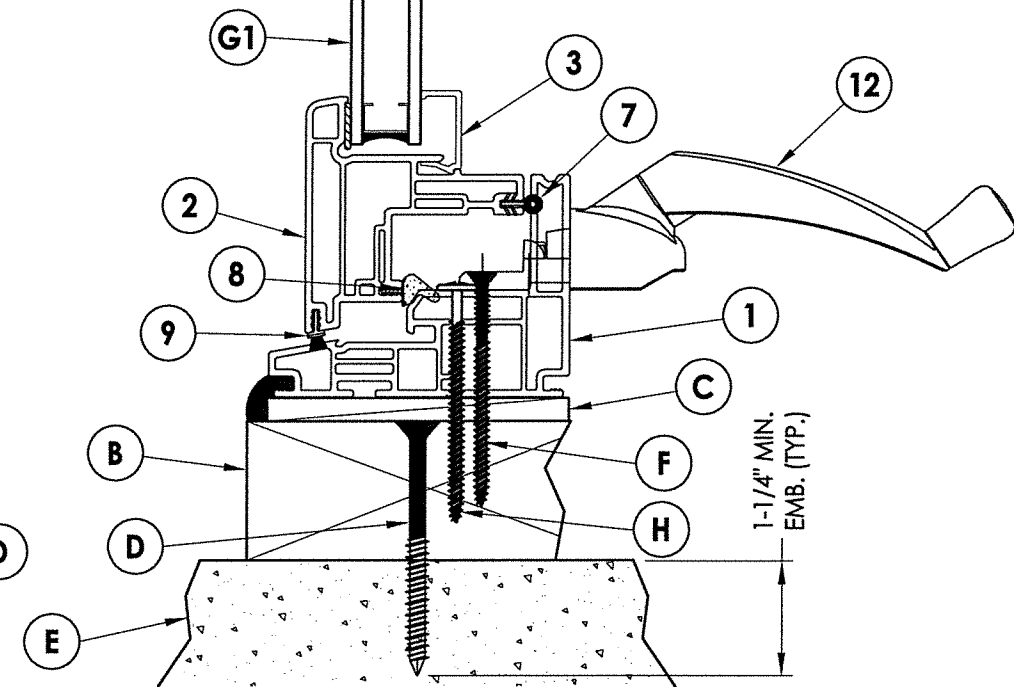
2 HORIZONTAL CROSS SECTION
2 Shown w/ 2X Buck



1 HORIZONTAL CROSS SECTION
2 Shown w/ 2X Buck



2 VERTICAL CROSS SECTION
2 Shown w/ 2X Buck



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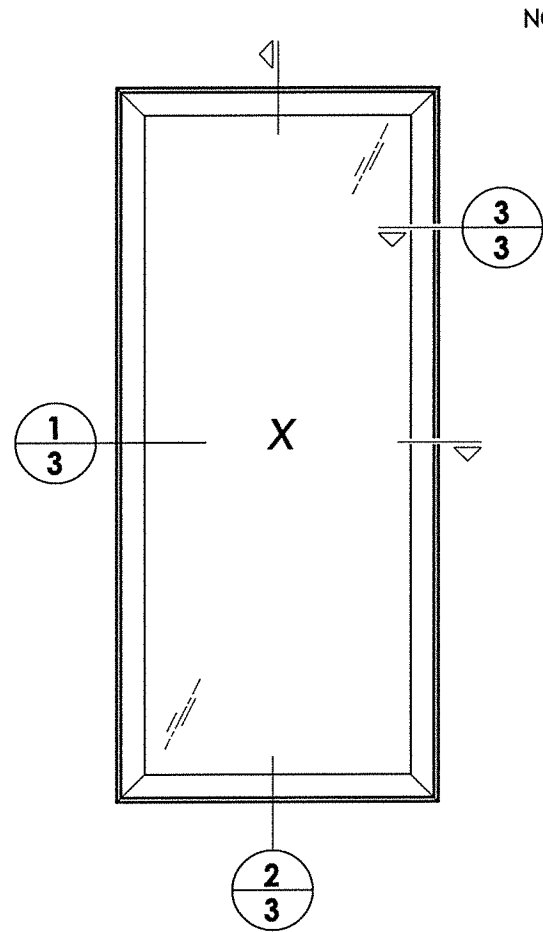
RW BUILDING CONSULTANTS, INC.
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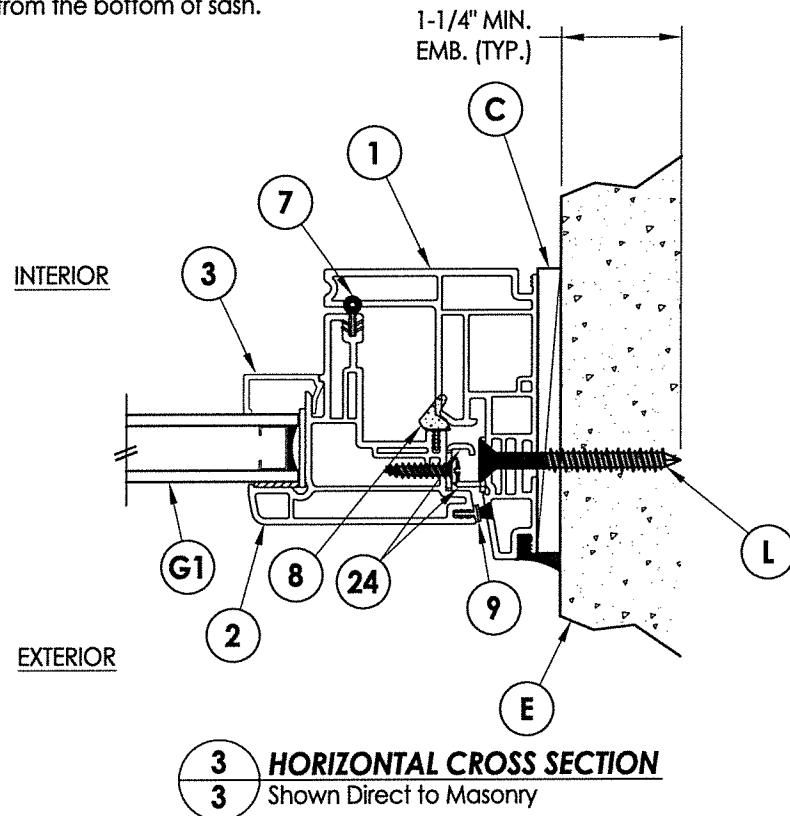
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

NO.	DATE	REVISIONS	BY
3	12/11/19	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

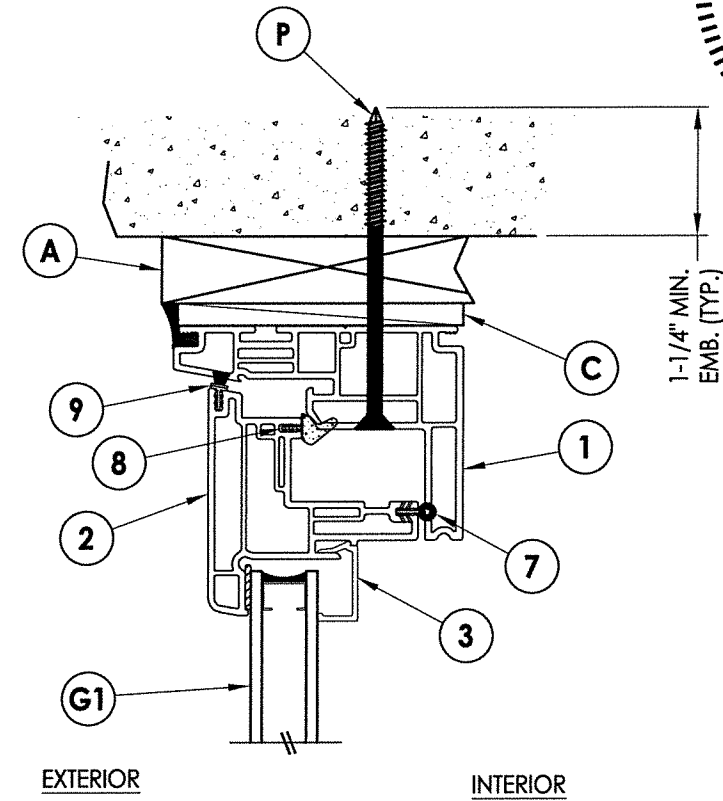
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15817.4
SHEET 2 OF 5



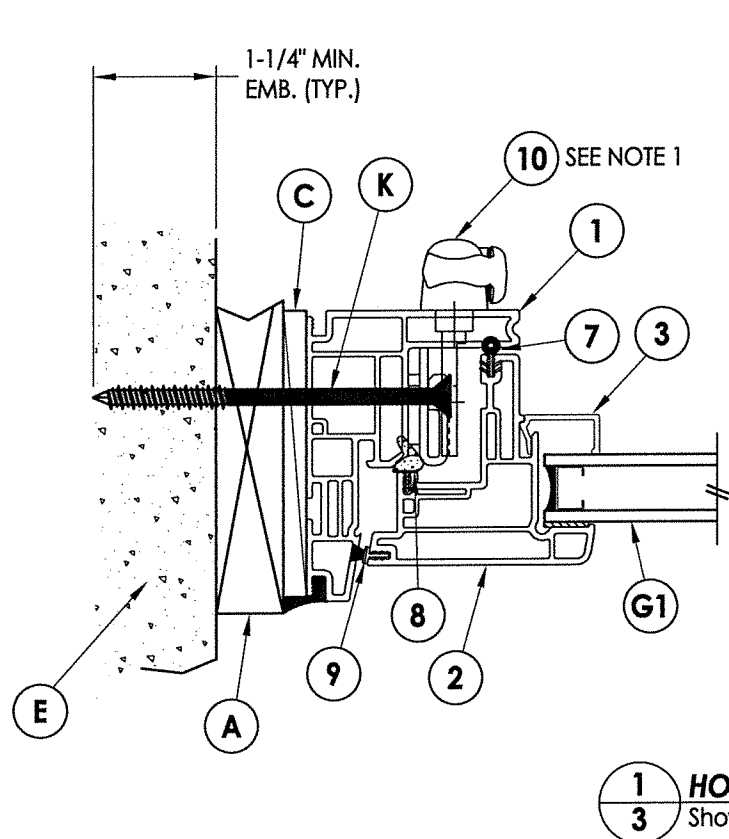
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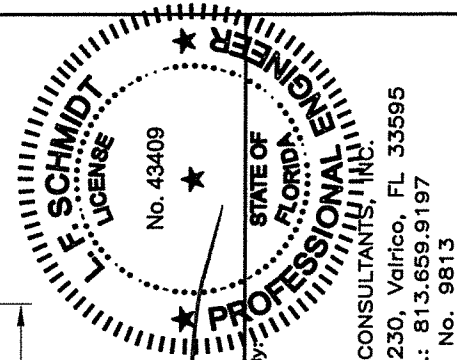
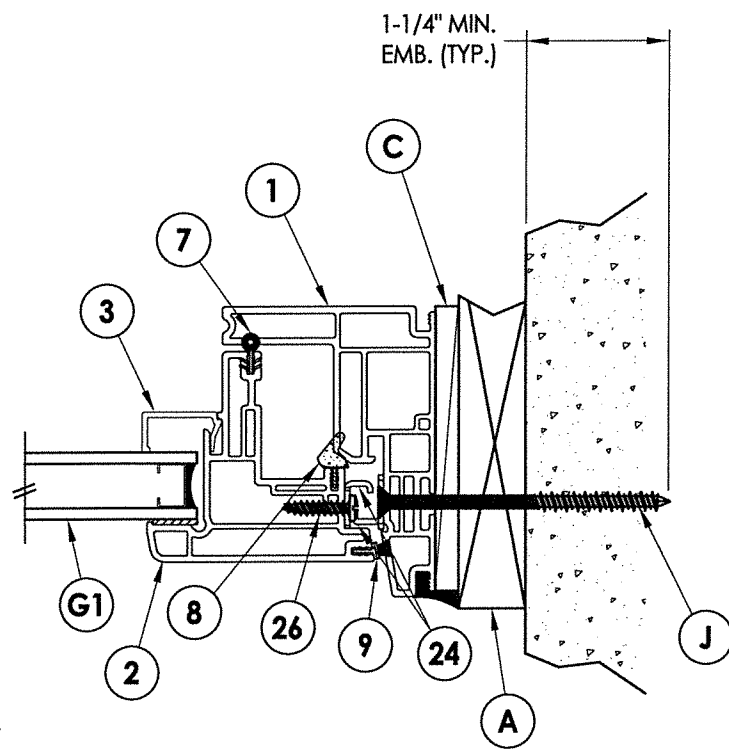
3 HORIZONTAL CROSS SECTION
3 Shown Direct to Masonry



2 VERTICAL CROSS SECTION
3 Shown w/ 1X Buck @ head & Direct to Masonry @ sill



1 HORIZONTAL CROSS SECTION
3 Shown w/ 1X Buck



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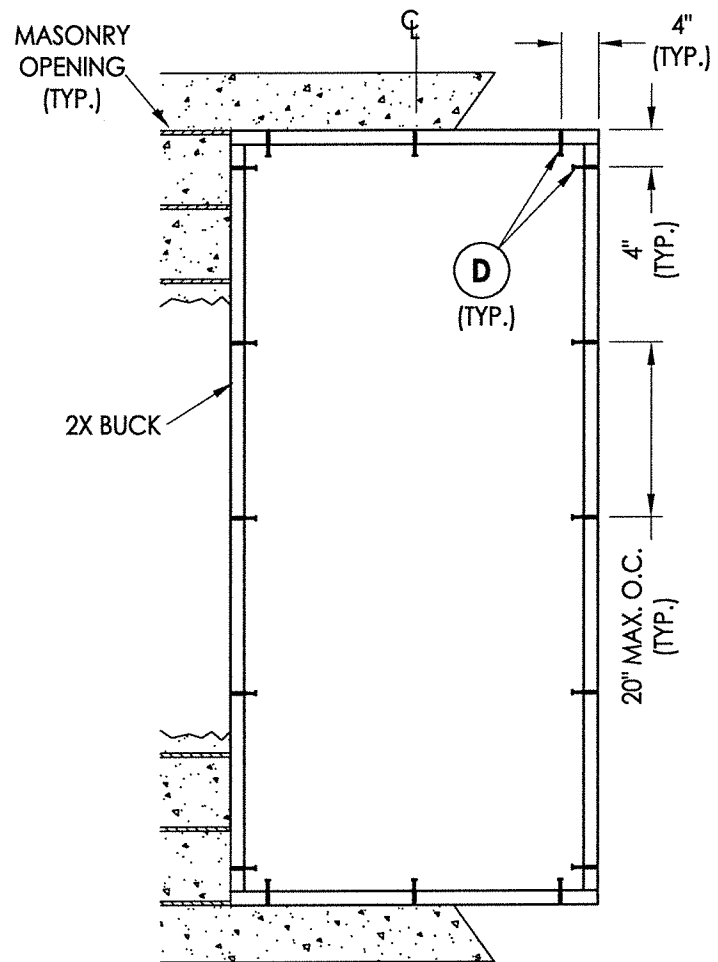
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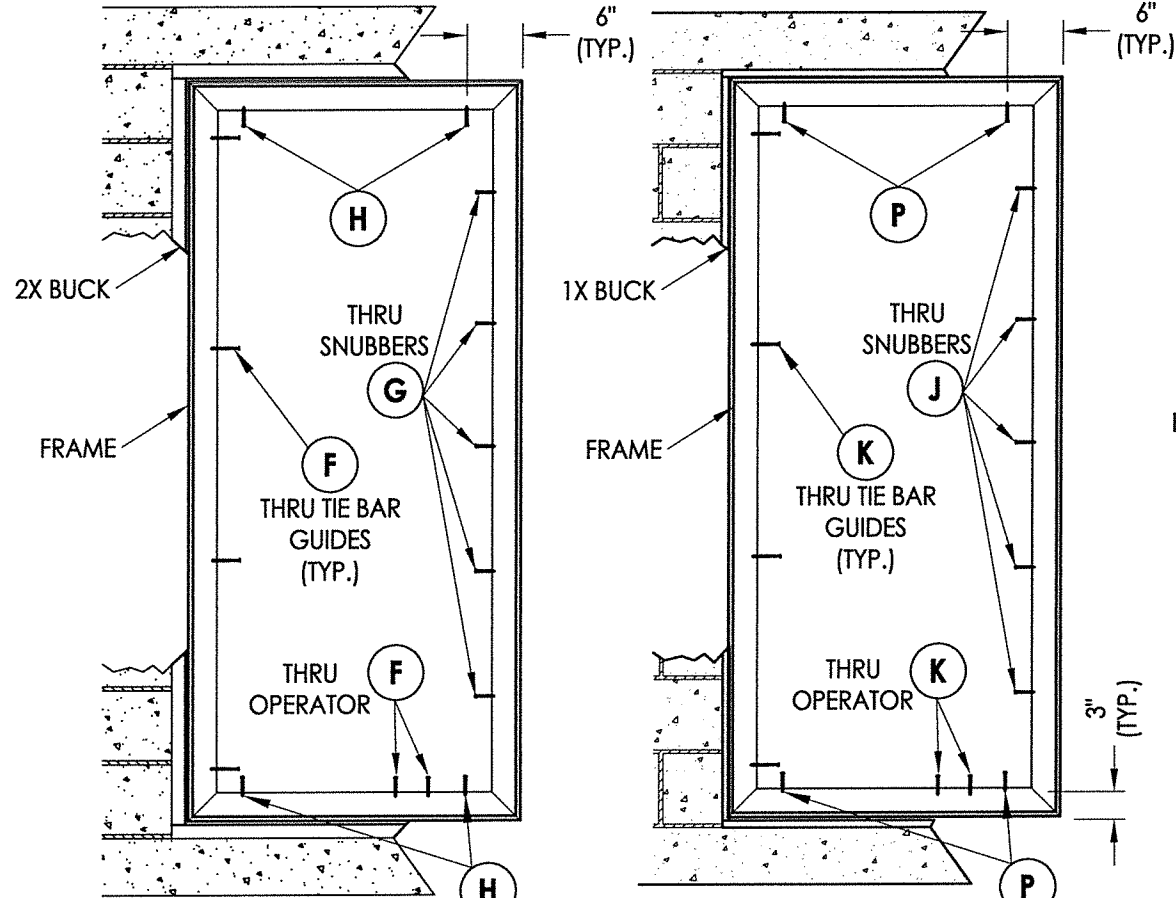
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS

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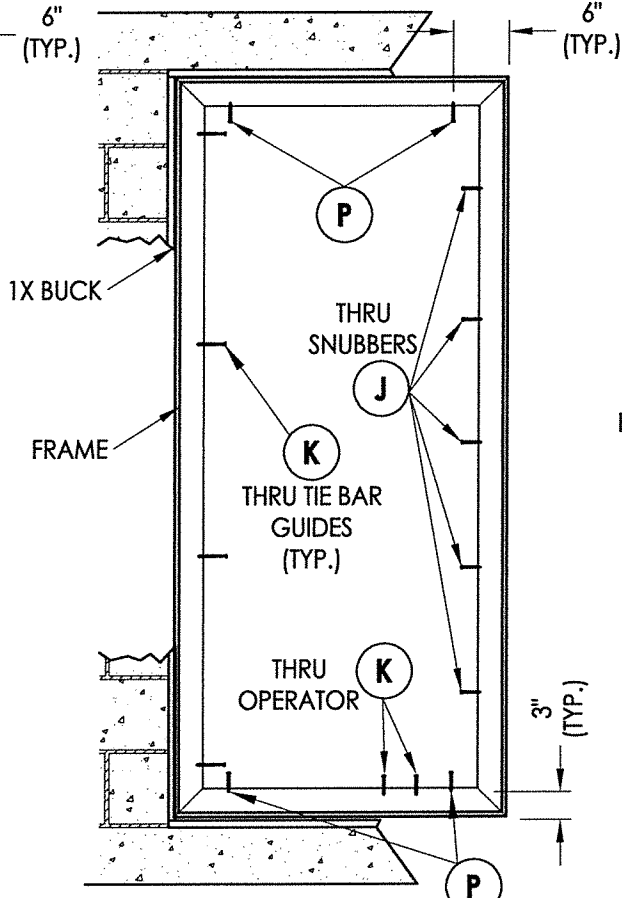
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CHK. BY: LFS
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SHEET 3 of 5



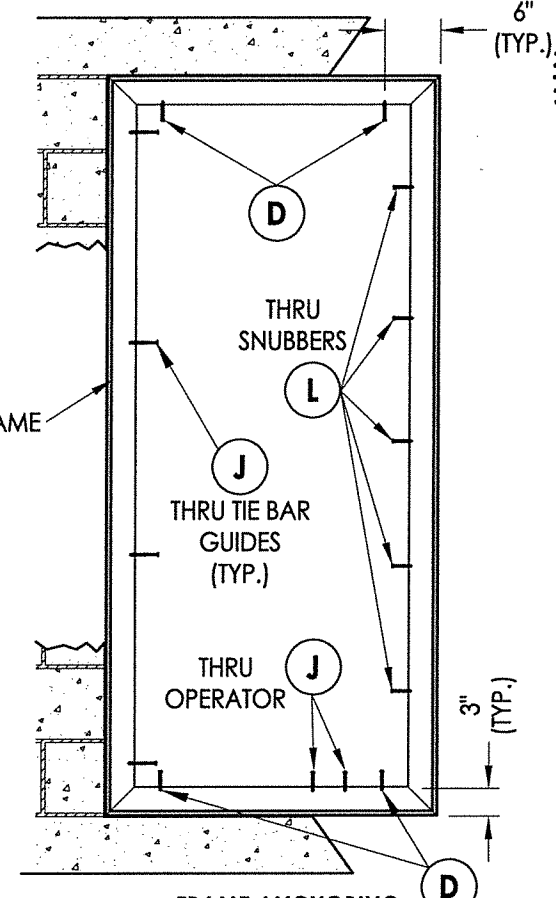
BUCK ANCHORING



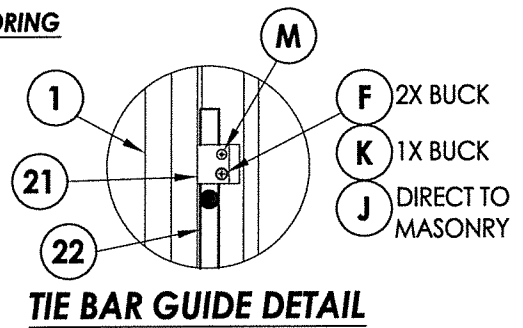
FRAME ANCHORING 2X Buck



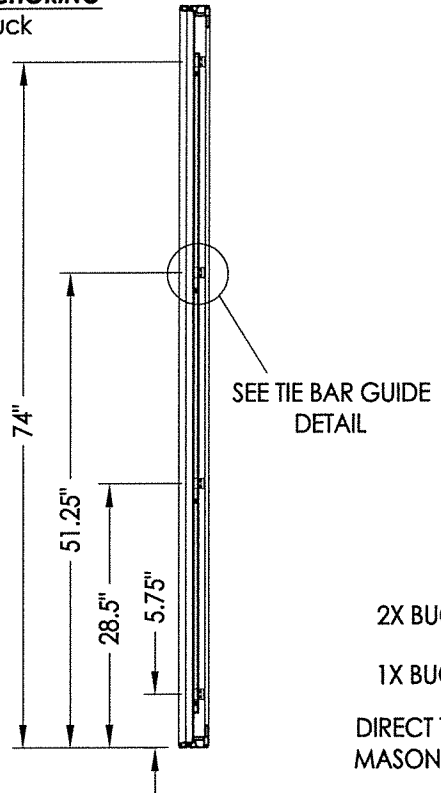
FRAME ANCHORING 1X Buck



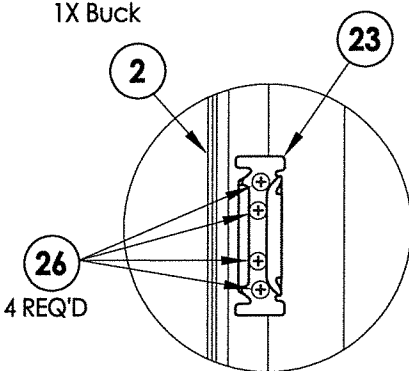
FRAME ANCHORING Direct to Masonry



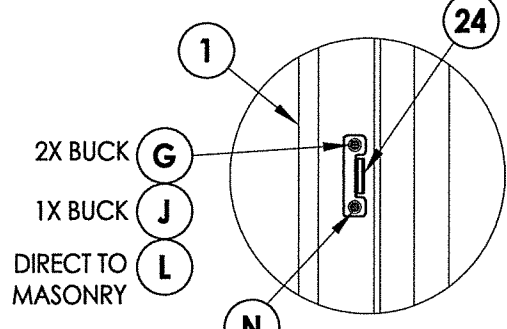
TIE BAR GUIDE DETAIL



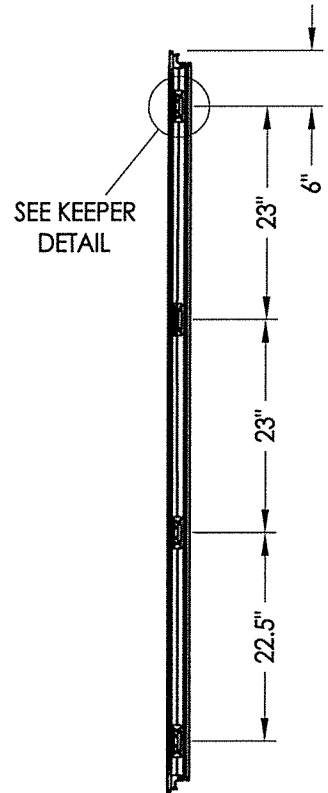
TIE BAR GUIDE LOCATIONS 4 Total



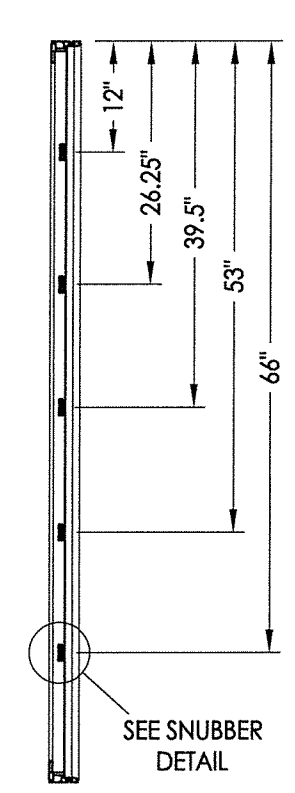
KEEPER DETAIL



SNUBBER DETAIL



KEEPER LOCATIONS 4 Total

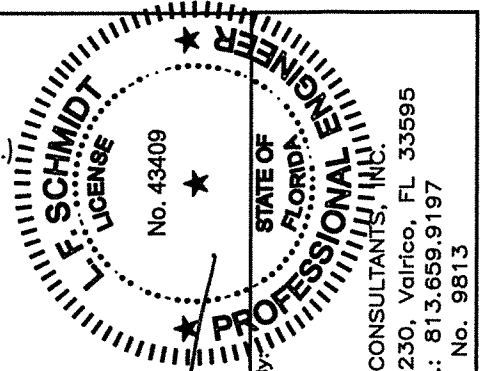


SNUBBER LOCATIONS 5 Total

- 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"	4"	3"
ELCO ULTRACON®	1/4"	1-1/4"	2-1/2"	3"

- 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: Vinyl Outswing Casement Window

PART OR ASSEMBLY: BUCK AND FRAME ANCHORING

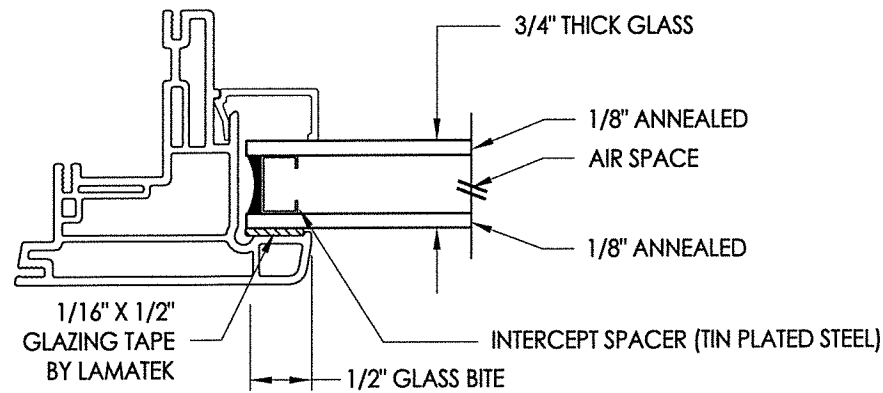
NO.	DATE	BY	REVISIONS
3	12/11/19	RW	UPDATE FOR NEW TESTING
2	6/01/17	LFS	UPDATE TO 6TH ED. (2017) FBC
1	1/28/15	JK	UPDATE TO 5TH ED. (2014) FBC

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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15817.4
SHEET 4 OF 5

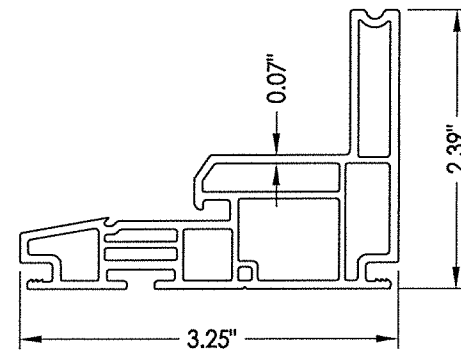
BILL OF MATERIALS

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 ELCO 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 3" FH WOOD SCREW (1-1/4" MIN. EMB. @ JAMB, 7/8" @ SILL)	STEEL
G	#8 X 2" PH WOOD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
H	#8 X 2-1/2" MODIFIED TRUSS HEAD WOOD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
J	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
K	3/16" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
L	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
M	#8 X 1" PFH WOOD SCREW	STEEL
N	#8 X 3/4" PPH SMS	STEEL
P	1/4" X 3-3/4" PFH ELCO OR 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	-
12	OPERATOR (TRUTH) 2003587	-
21	TIE BAR GUIDE (TRUTH) 2008741	-
22	TIE BAR (TRUTH) WCMS4734003	-
23	KEEPER (TRUTH) W1495-01W11	-
24	SNUBBER (TRUTH) (SASH/FRAME) WCS1-1496-85	-
26	#8 X 3/4" PFH SMS	S.S.

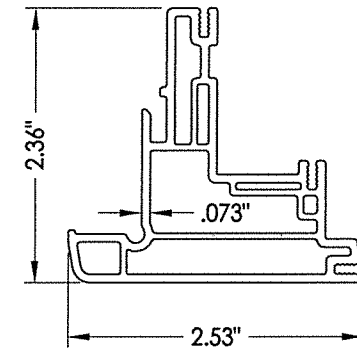
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



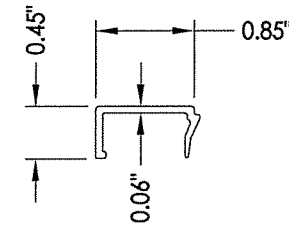
G1 GLAZING DETAIL



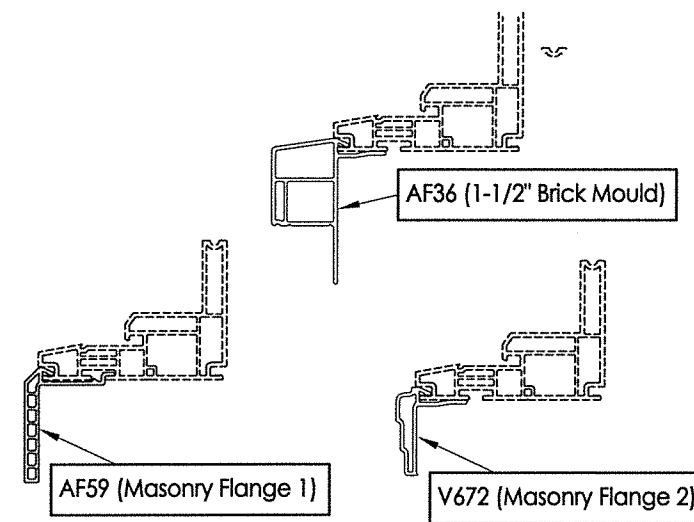
1 FRAME



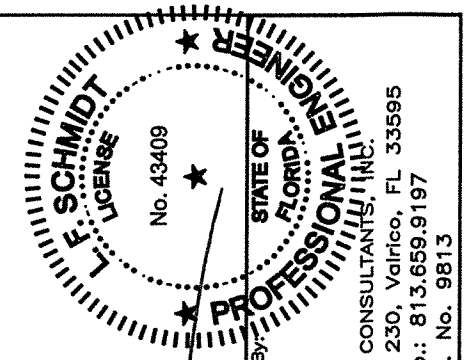
2 SASH



3 GLAZING BEAD



OPTIONAL COSMETIC FLANGES



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PRODUCT: Vinyl Outswing Casement Window
PART OR ASSEMBLY: BILL OF MATERIALS, COMPONENTS AND GLAZING DETAIL

NO.	DATE	BY	REVISIONS
2	6/11/19	RW	UPDATE FOR NEW TESTING
2	6/01/17	LFS	UPDATE TO 6TH ED. (2017)
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DWG. BY: JK
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DRAWING NO.: FL-15817.4
SHEET 5 OF 5