



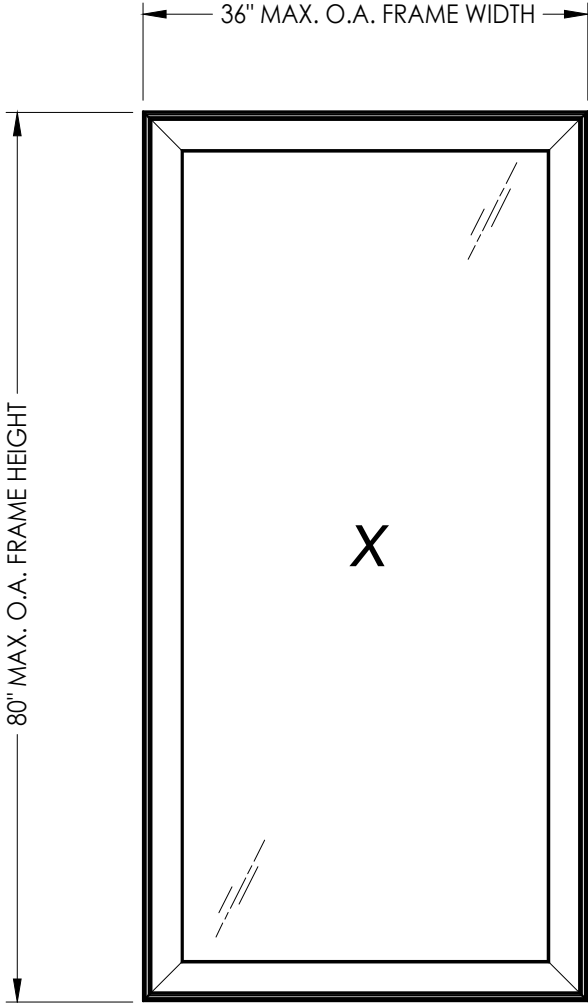
250 Staunton Turnpike, Parkersburg, WV 26104

8400 Series
Vinyl Outswing
Casement 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 & 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	+40.0	-40.0
36.0" X 76.0"	29.5" X 69.5"	G1	+45.0	-45.0
27.0" X 80.0"	20.5" X 65.5"	G1	+50.0	-50.0
36.0" X 72.0"	29.5" X 65.5"	G2	+50.0	-50.0
36.0" X 80.0"	29.5" X 73.5"	G2	+65.0	-75.0

LFS

L. F. SCHMIDT
LICENSE
No. 43409
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Digitally signed
by Lyndon F
Schmidt
Date: 2025.06.20
13:11:22 -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

8400 SERIES
Vinyl Outswing Casement Window
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

7 6/19/25 ADD NEW FRAME SIZES

6 7/06/23 UPDATE TO 8TH ED. (2023) FBC

5 7/02/20 UPDATE TO 7TH ED. (2020) FBC

NO. DATE

REVISIONS

DATE: 8/2/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

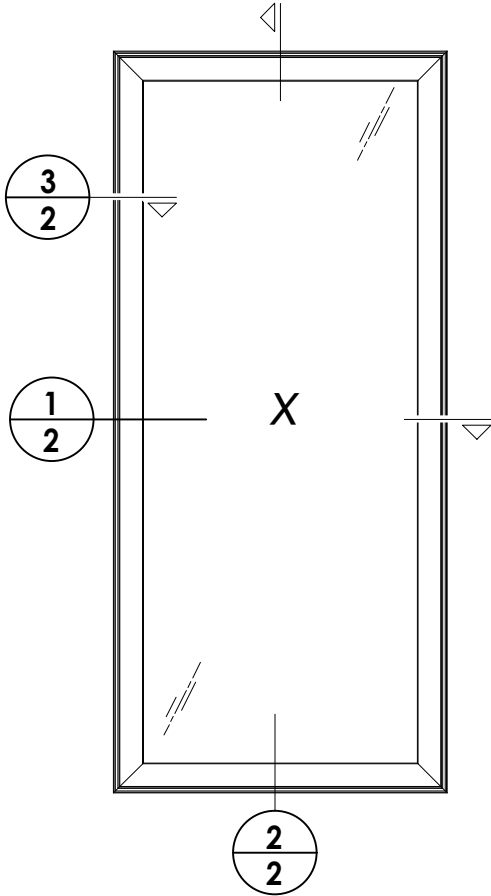
DRAWING NO.: FL-15817.1

SHEET 1 OF 5

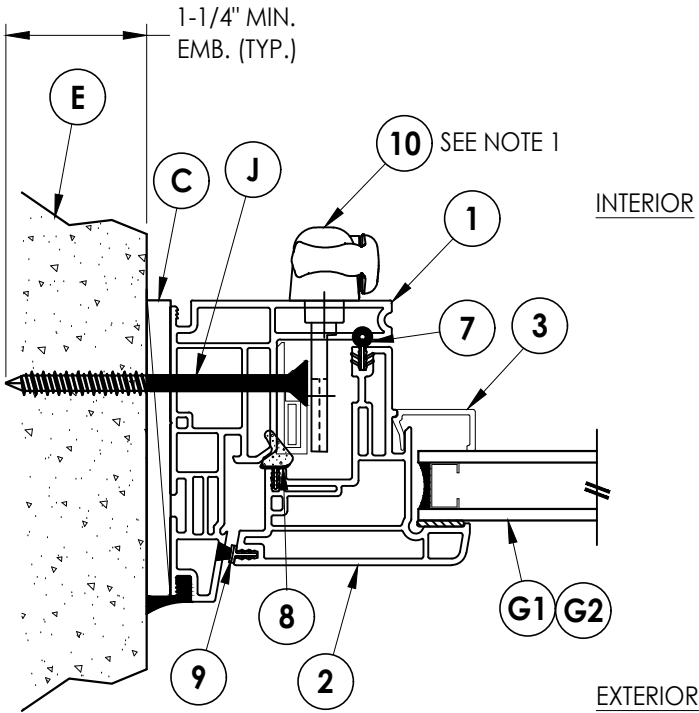
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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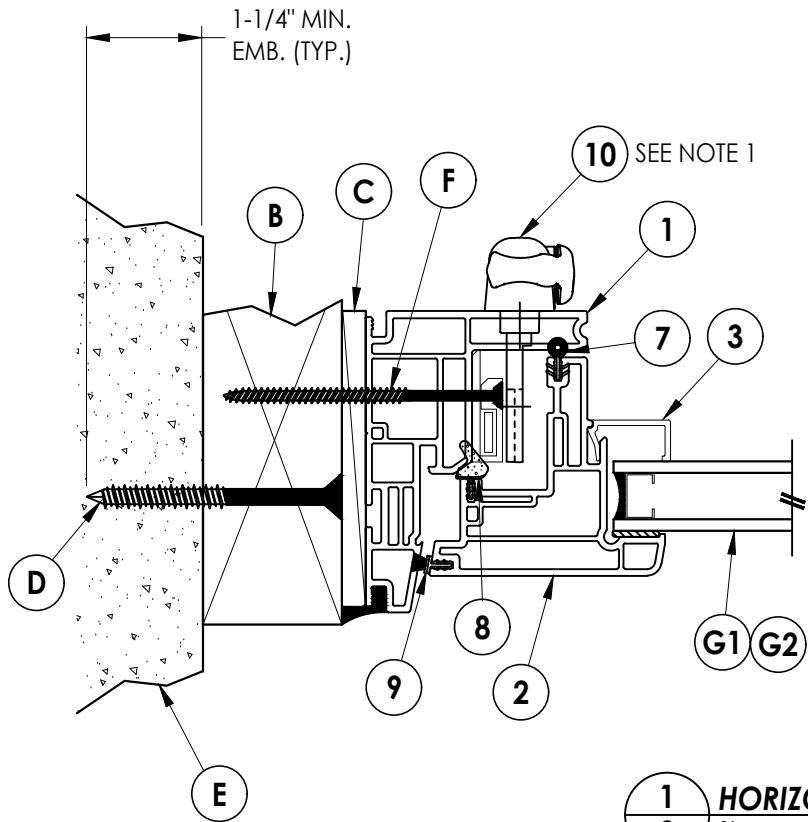
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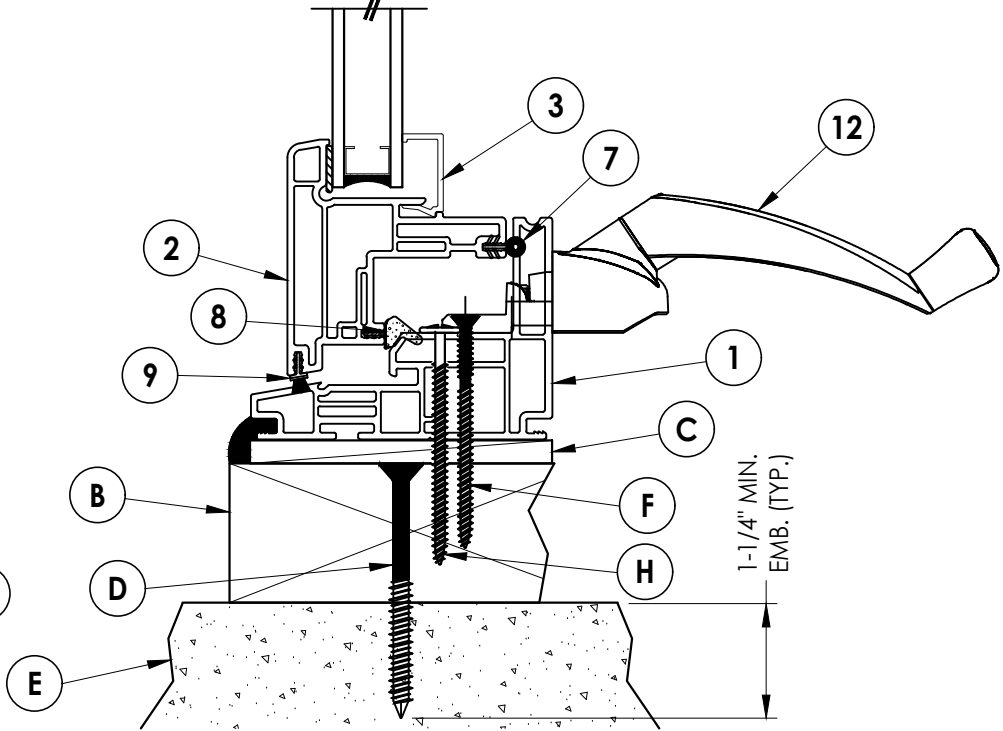
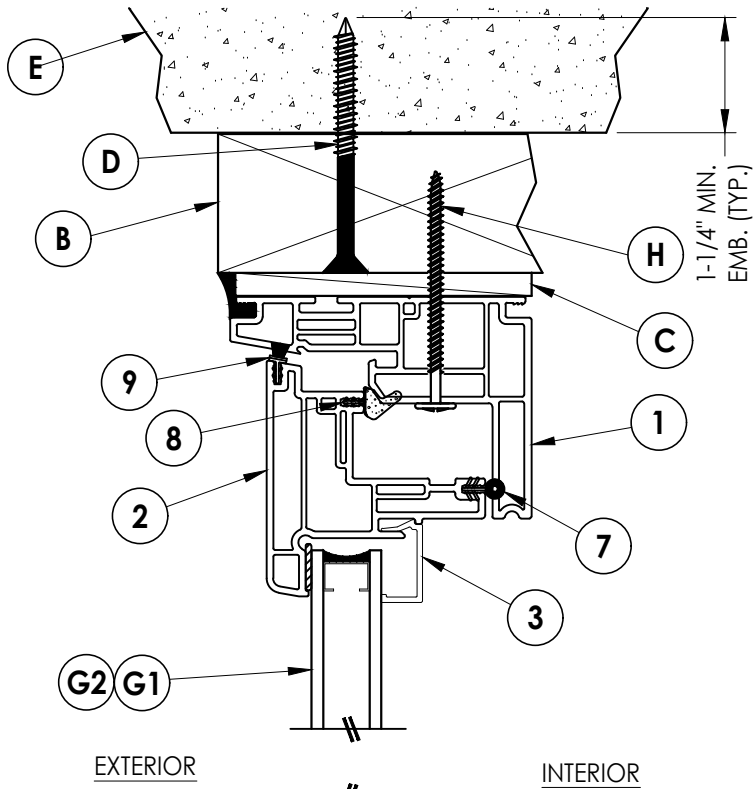
NOTE:
1. Multi-point locks/keepers (4) located at 5.5", 27.5", 50.5" and 73.5" from the bottom of sash.



3
2 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry



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



2
2 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck

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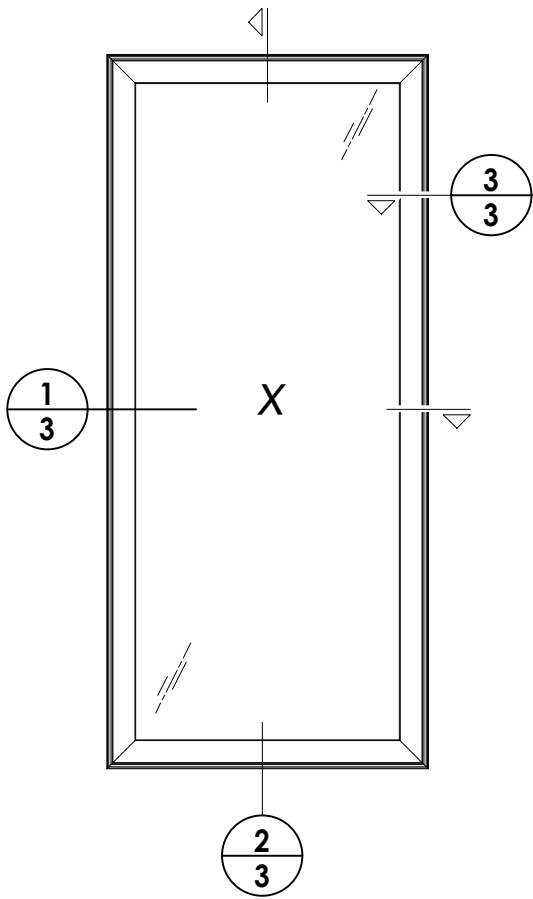
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PRODUCT: 8400 SERIES
Vinyl Outswing Casement Window
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

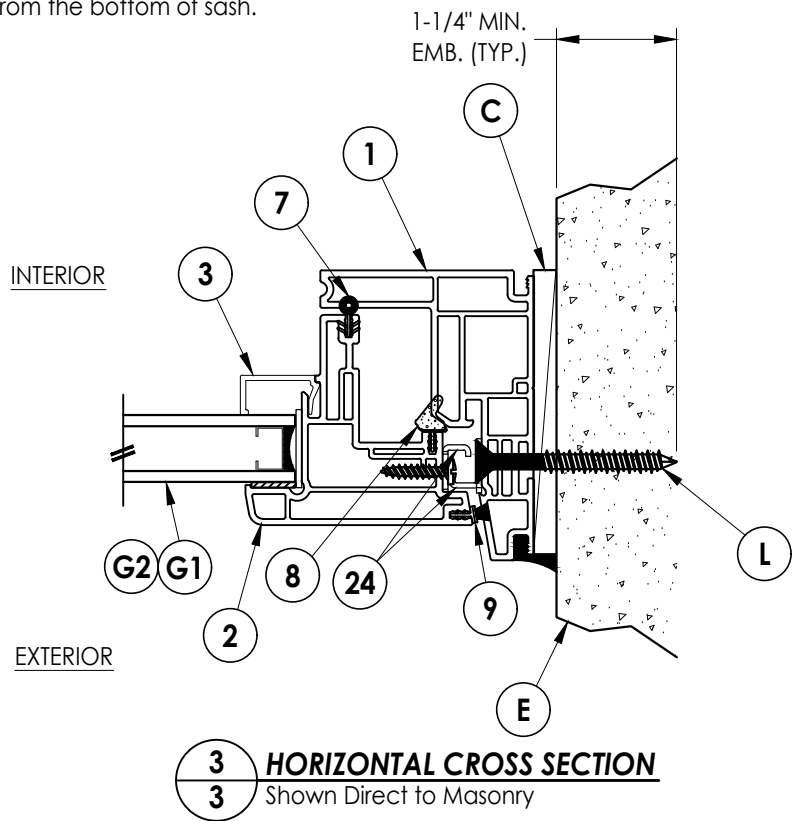
NO.	DATE	REVISIONS
7	6/19/25	ADD NEW FRAME SIZES
6	7/06/23	UPDATE TO 8TH ED. (2023) FBC
5	7/02/20	UPDATE TO 7TH ED. (2020) FBC

DATE: 8/2/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-15817.1
SHEET 2 OF 5

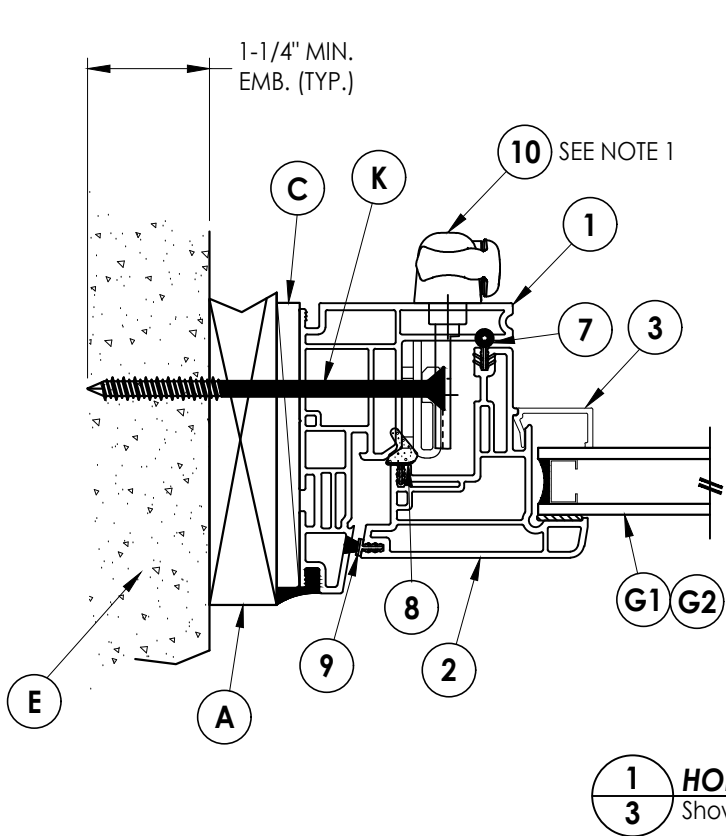
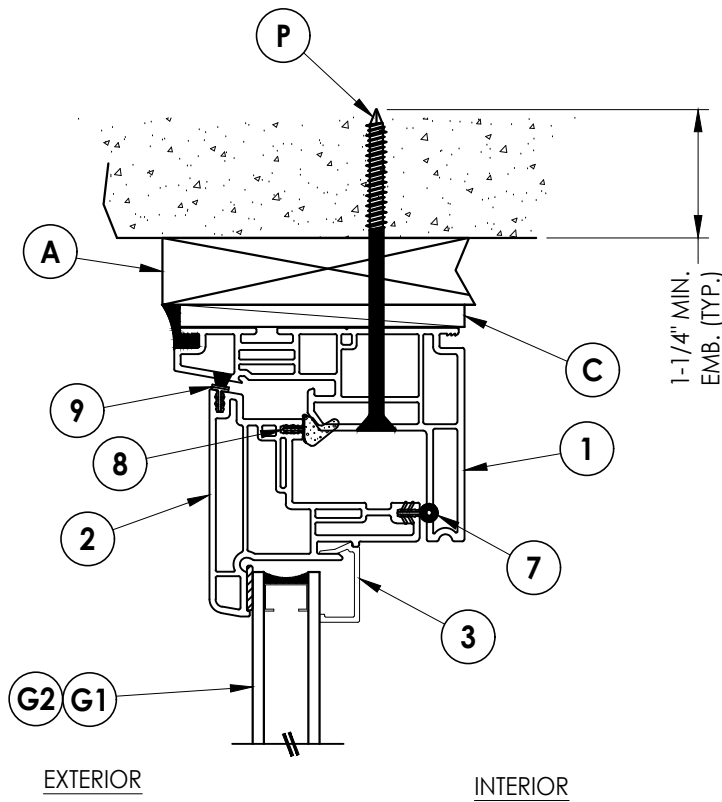
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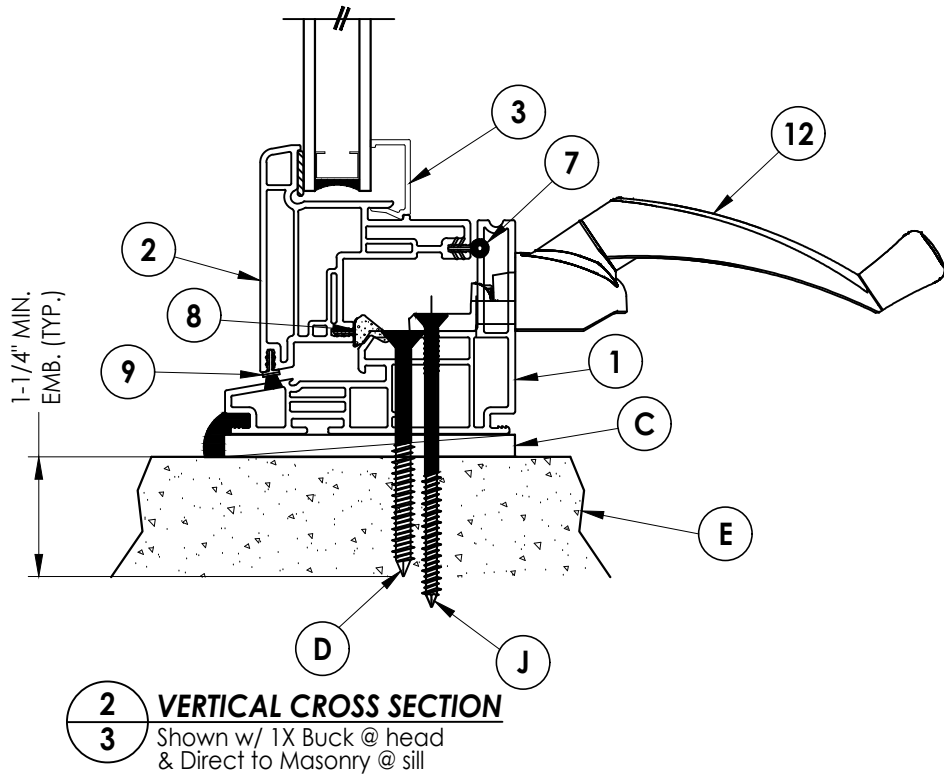
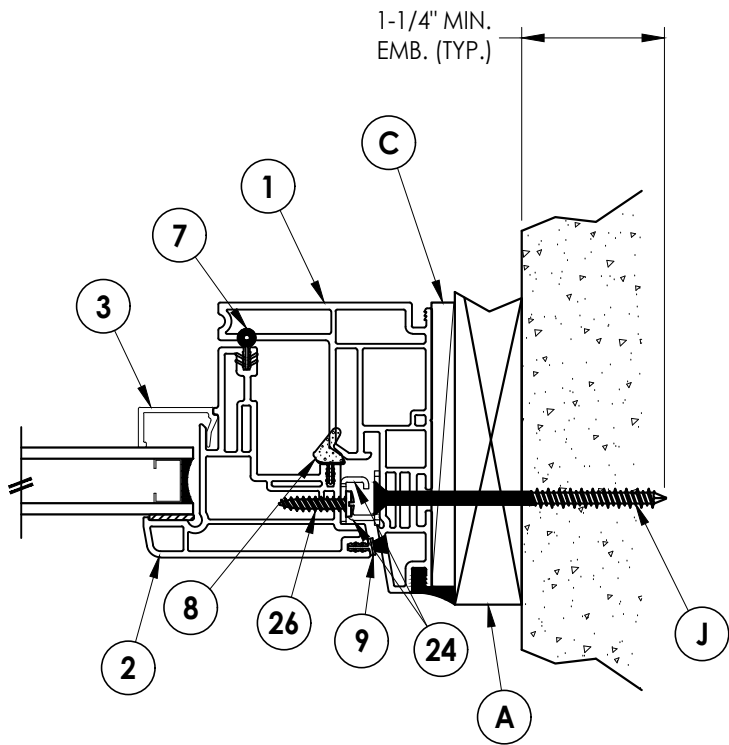
NOTE:
1. Multi-point locks/keepers (4) located at
5.5", 27.5", 50.5" and 73.5" from the bottom of sash.



3 HORIZONTAL CROSS SECTION
Shown Direct to Masonry



1 HORIZONTAL CROSS SECTION
Shown w/ 1X Buck



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

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PRODUCT: 8400 SERIES
Vinyl Outswing Casement Window

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS	BY
7	6/19/25	ADD NEW FRAME SIZES	LFS
6	7/06/23	UPDATE TO 8TH ED. (2023) FBC	LFS
5	7/02/20	UPDATE TO 7TH ED. (2020) FBC	LFS

DATE: 8/2/12

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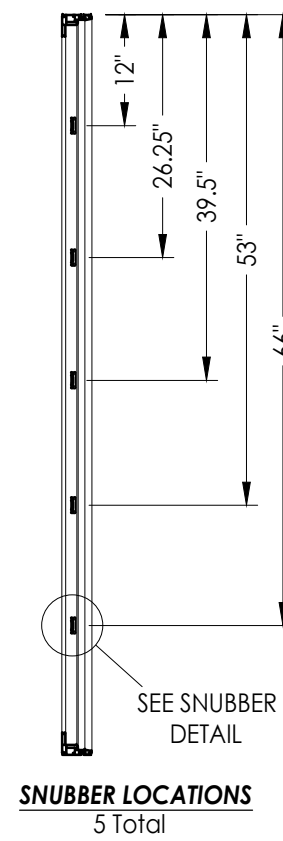
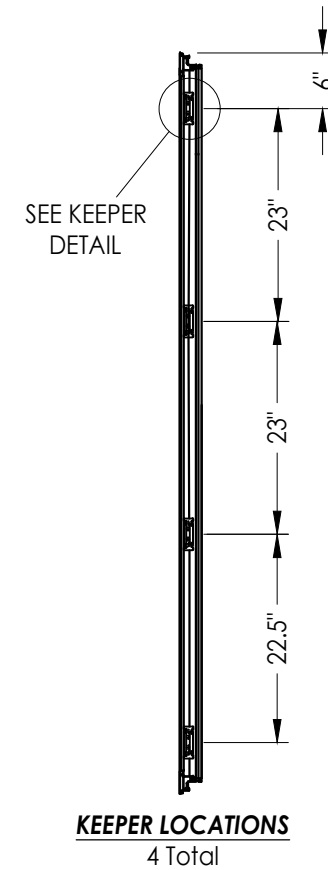
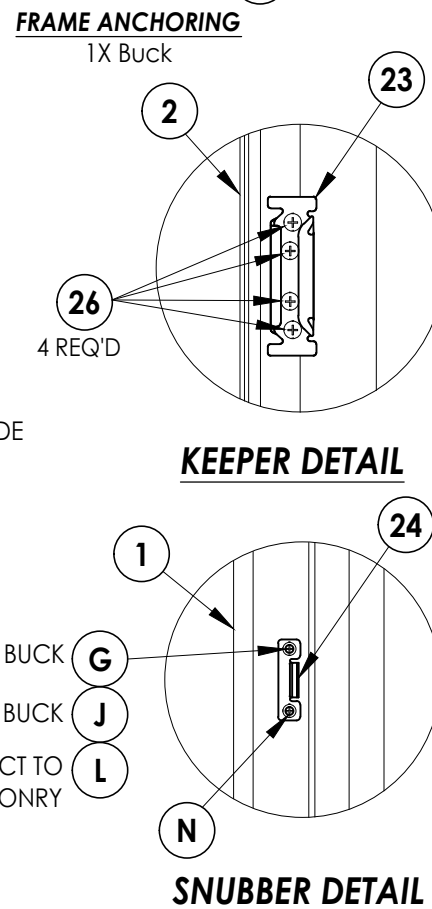
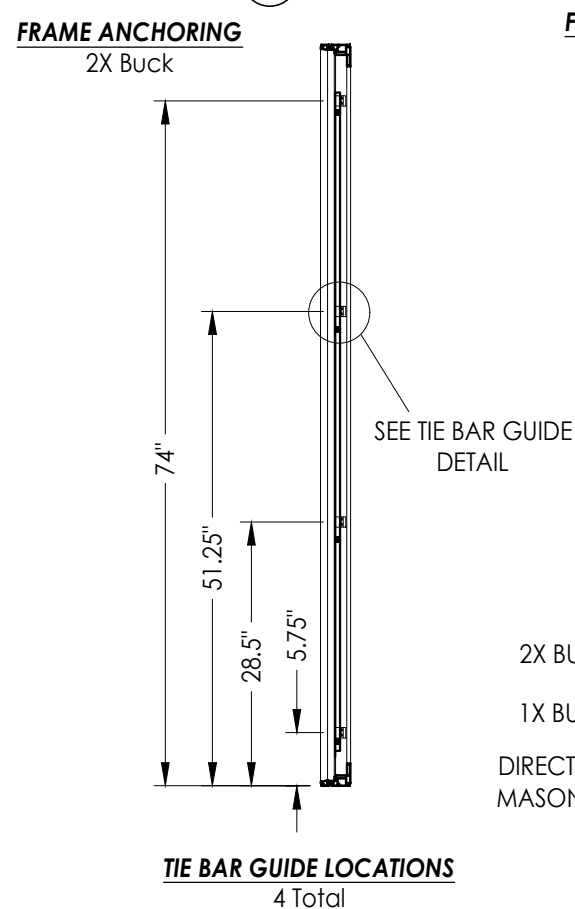
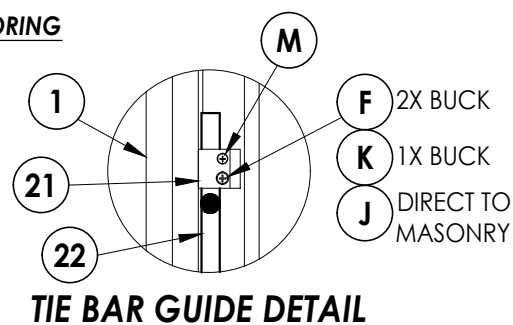
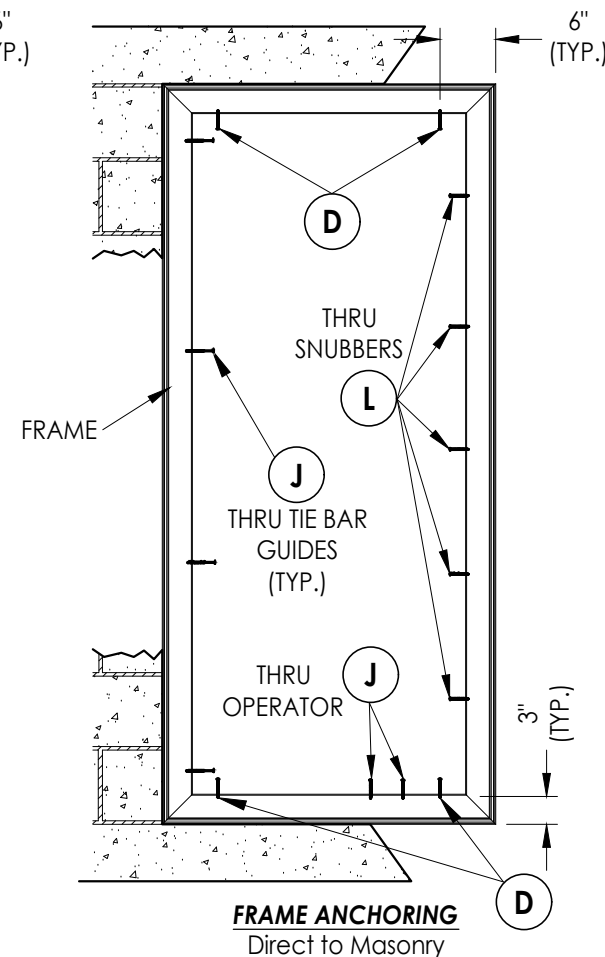
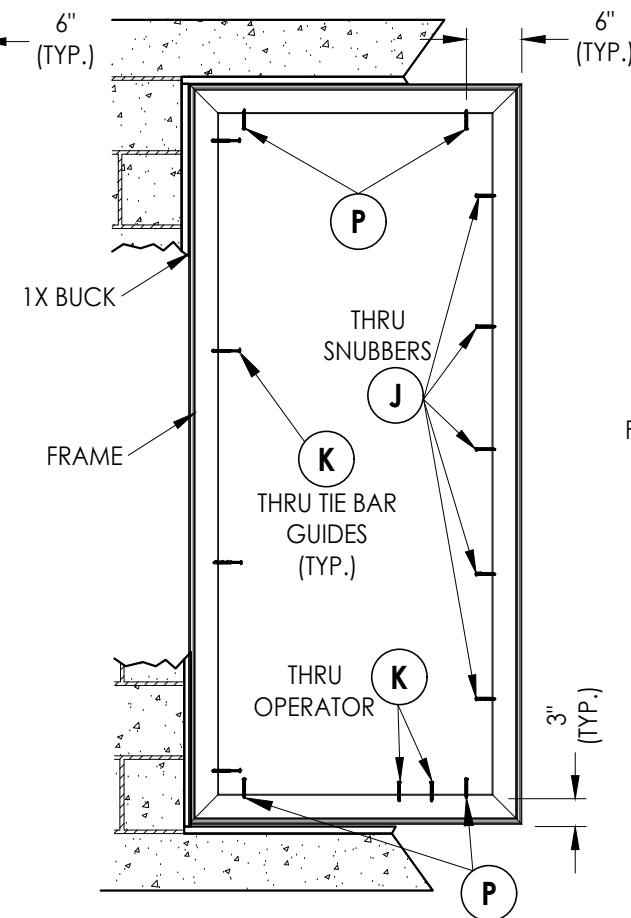
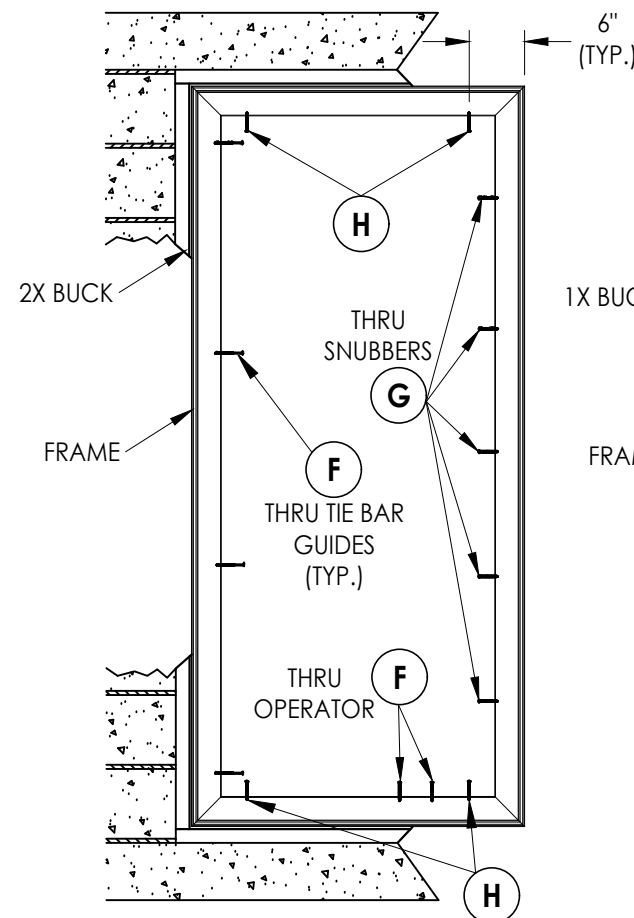
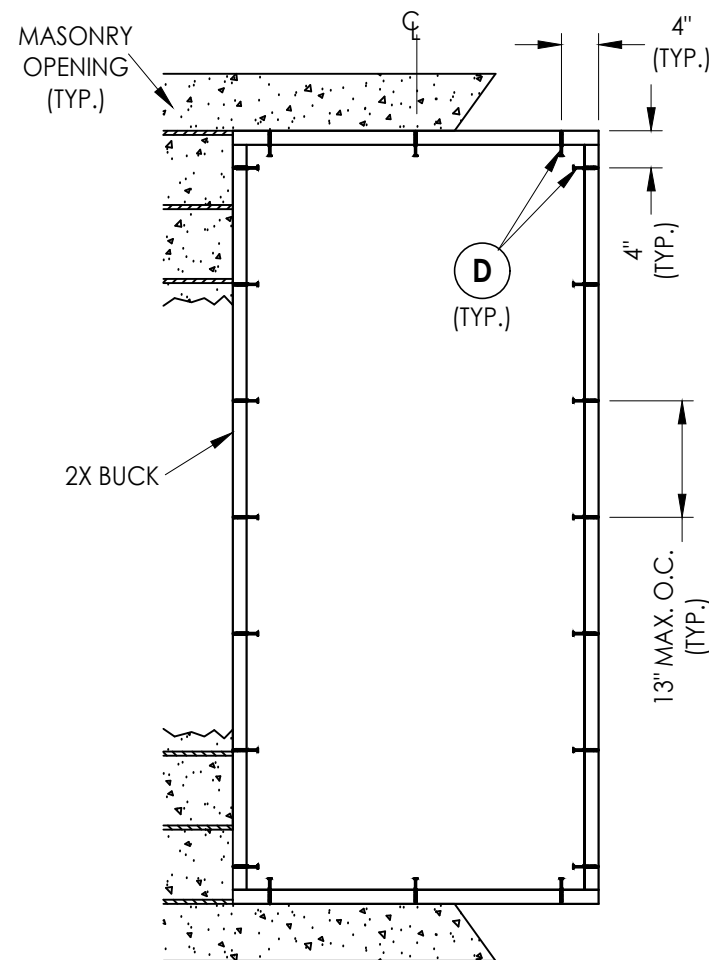
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15817.1

SHEET 3 OF 5



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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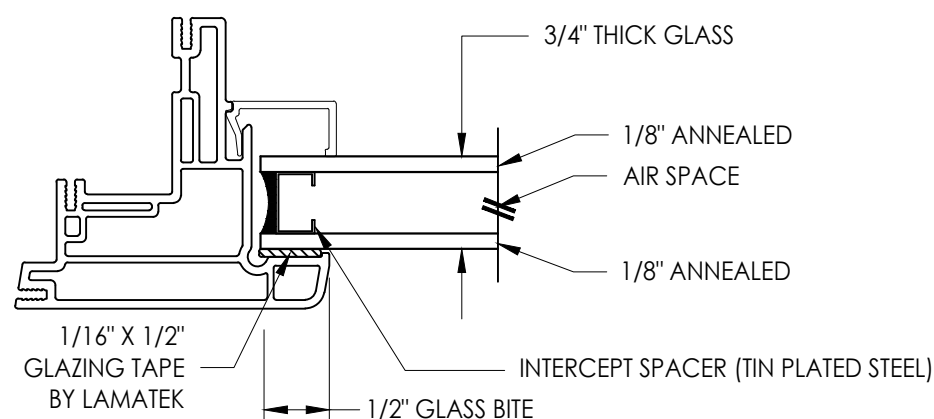
Documents Prepared By:
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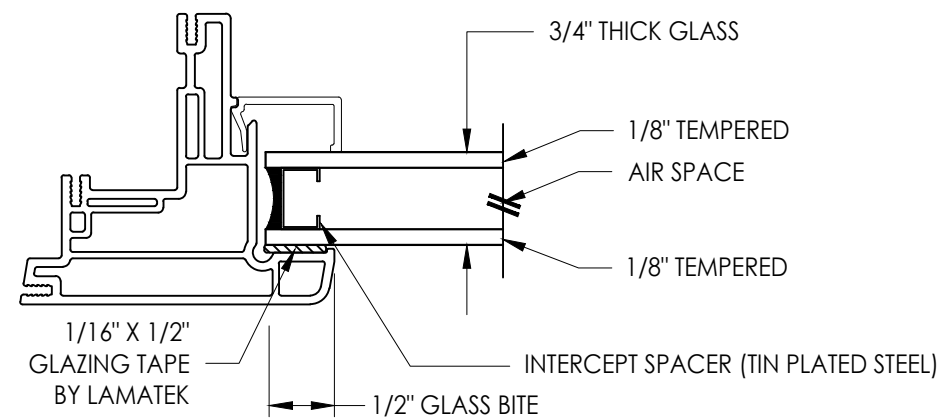
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#8 X 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 DeWALT 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) W1495-01 W11	-
24	SNUBBER (TRUTH) (SASH/FRAME) WCS1-1496-85	-
26	#8 X 3/4" PFH SMS	S.S.

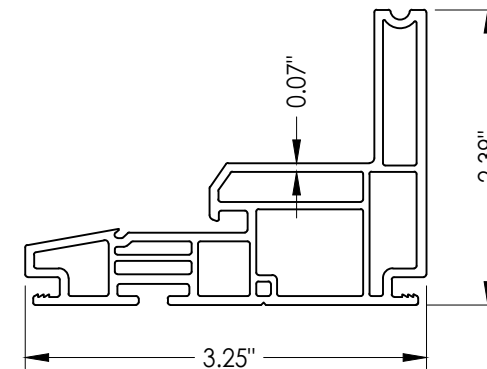
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



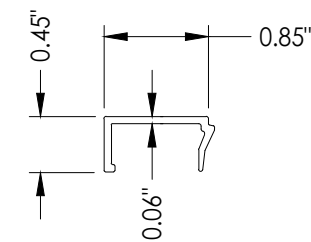
G1 GLAZING DETAIL



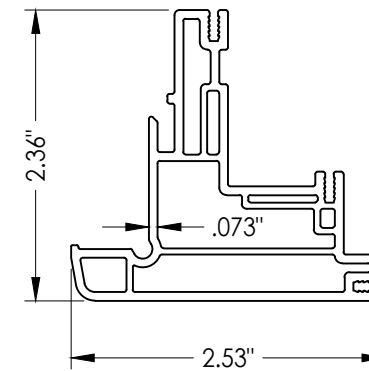
G2 GLAZING DETAIL



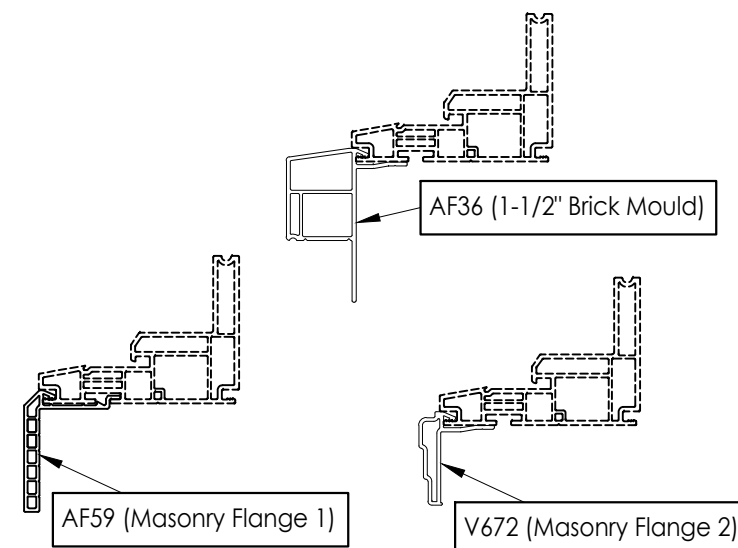
1 **FRAME**



3 GLAZING BEAD



2 SASH



OPTIONAL COSMETIC FLANGES

[illegible]