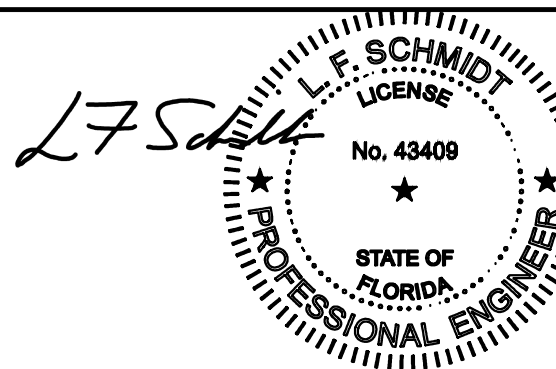
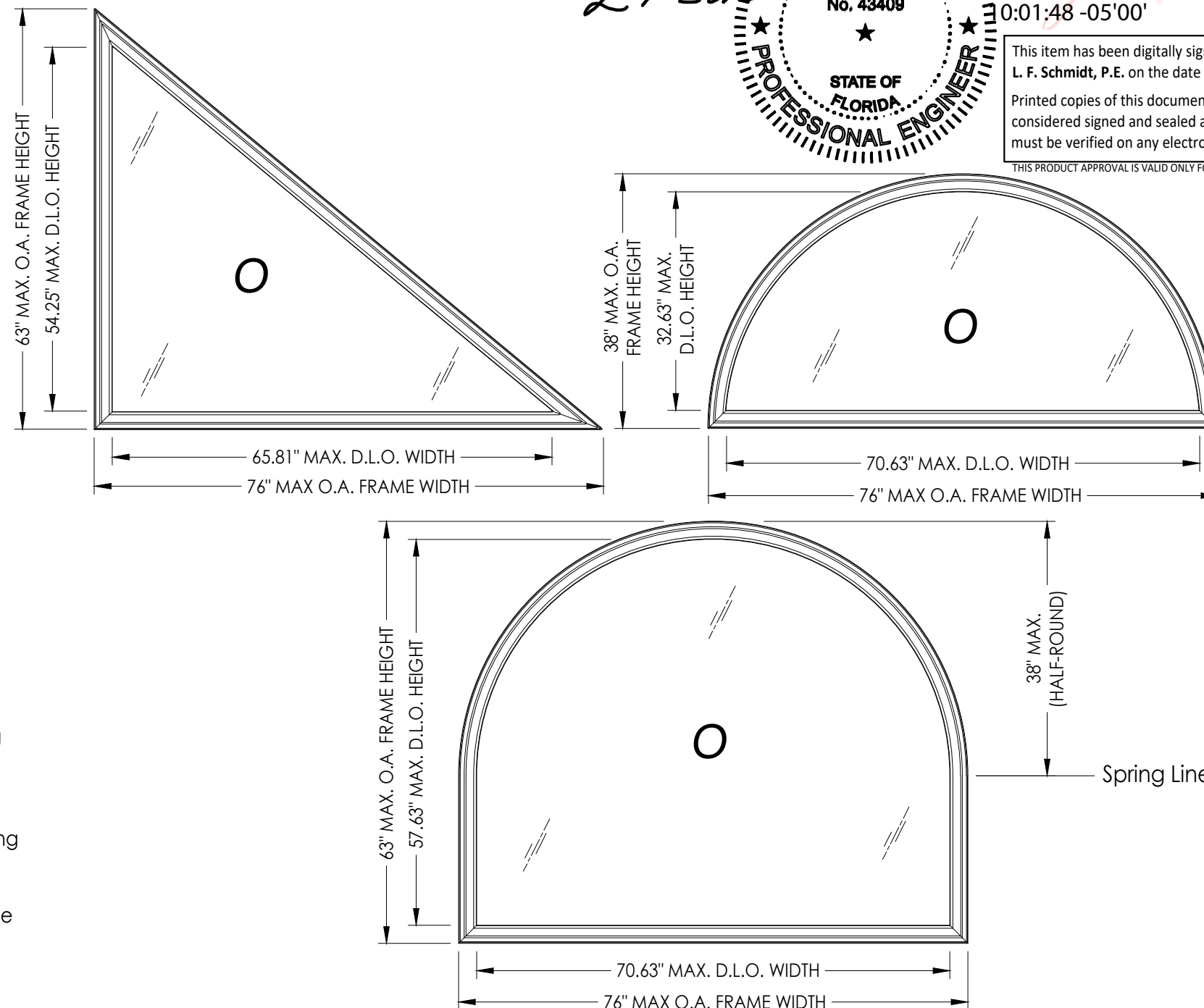


7700/8400 Series Vinyl Fixed Window "NON-IMPACT"



Digitally signed by
Lyndon F Schmidt
Date: 2024.12.12
00:01:48 -05'00'

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

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 anchoring
4	Frame anchoring
5	Glazing details
6	Bill of materials & components

GEOMETRIC SHAPE	MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
HALF-ROUND	76.0" X 38.0"	70.62" X 32.62"	G2, G4	+45.0	-45.0
			G1, G3	+50.0	-50.0
TRIANGULAR	76.0" X 63.0"	65.81" X 54.25"	G1, G3	+50.0	-50.0
HALF-ROUND w/ LEGS	76.0" X 63.0"	70.62" X 57.62"	G1, G3	+50.0	-50.0

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

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: 7700/8400 SERIES VINYL FIXED WINDOW

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

[illegible]

DATE: 12/10/24

SCALE: *N.T.S.*

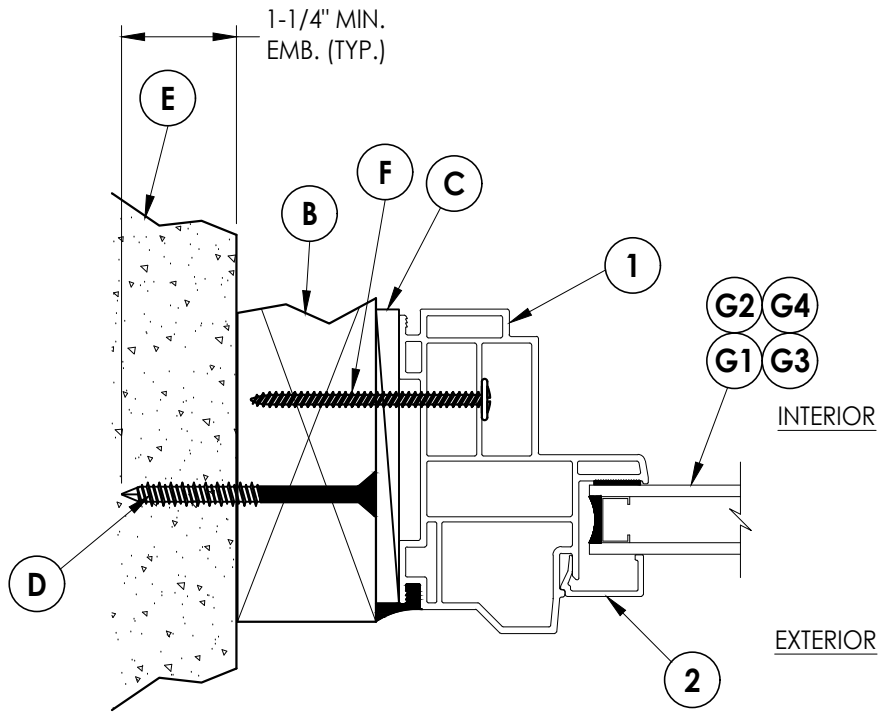
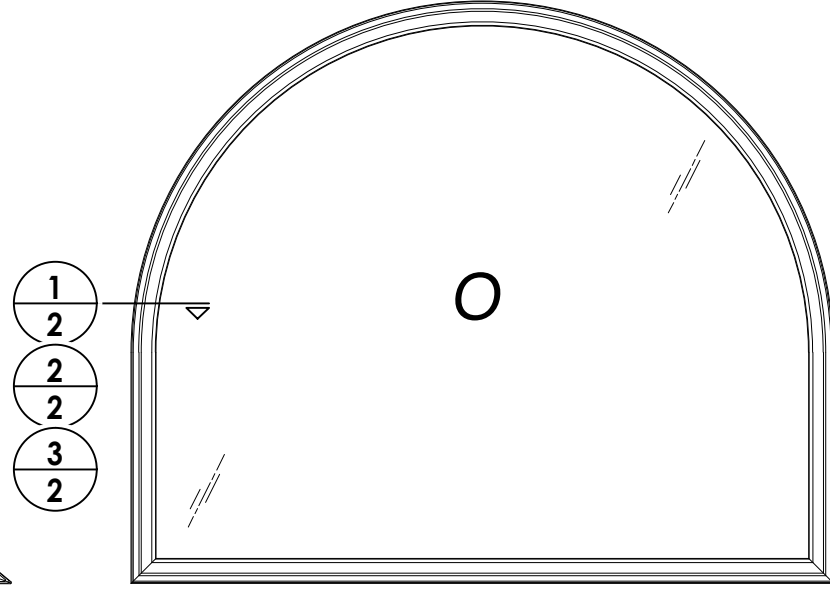
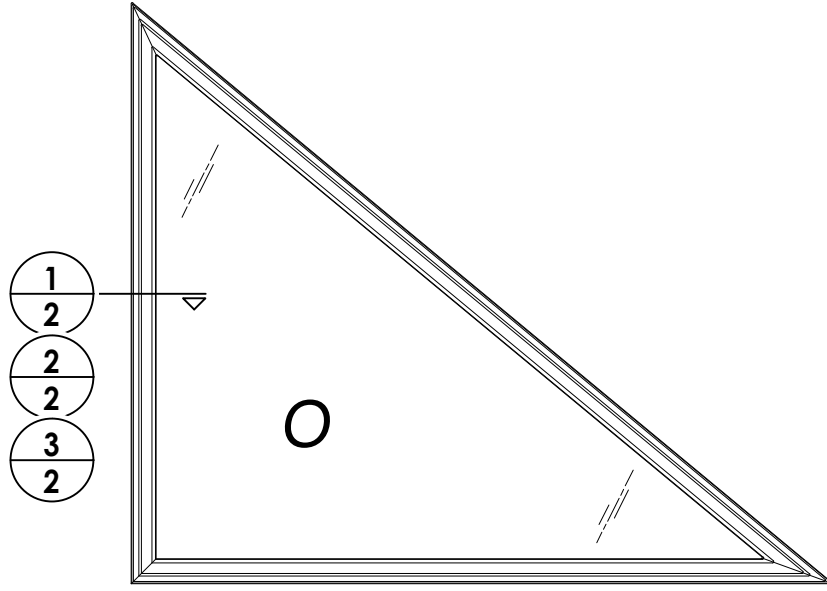
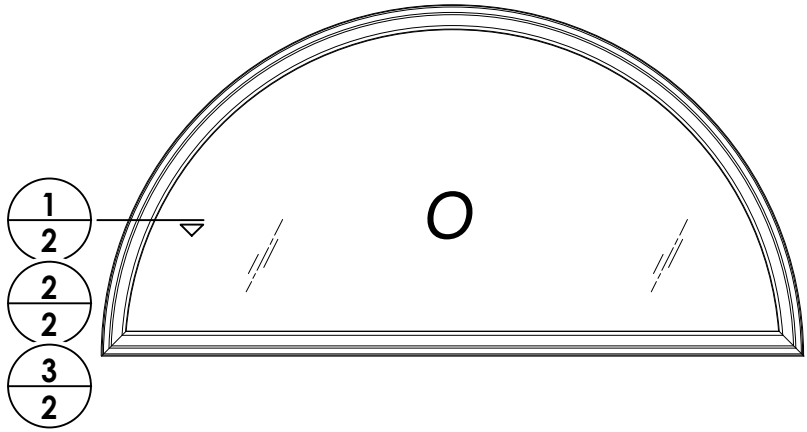
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CHK. BY: *RW*

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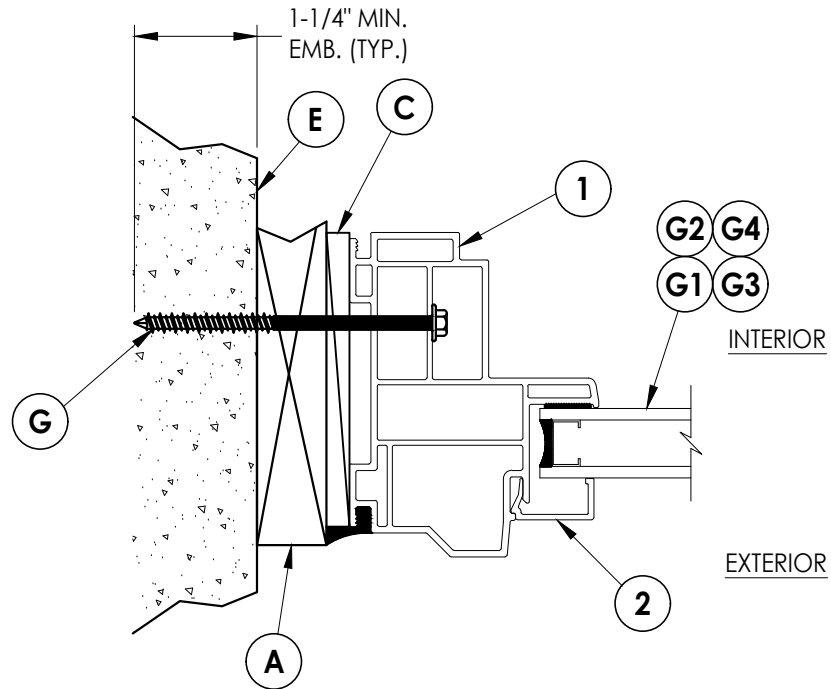
FL-15816.17

SHEET 1 OF 6

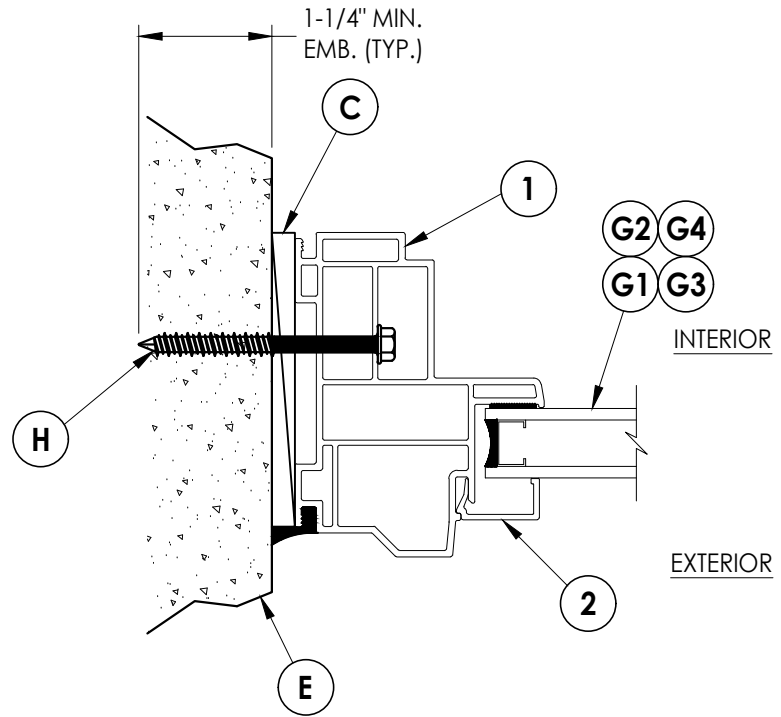


1 **HORIZONTAL CROSS SECTION**

2 Shown w/ 2X buck



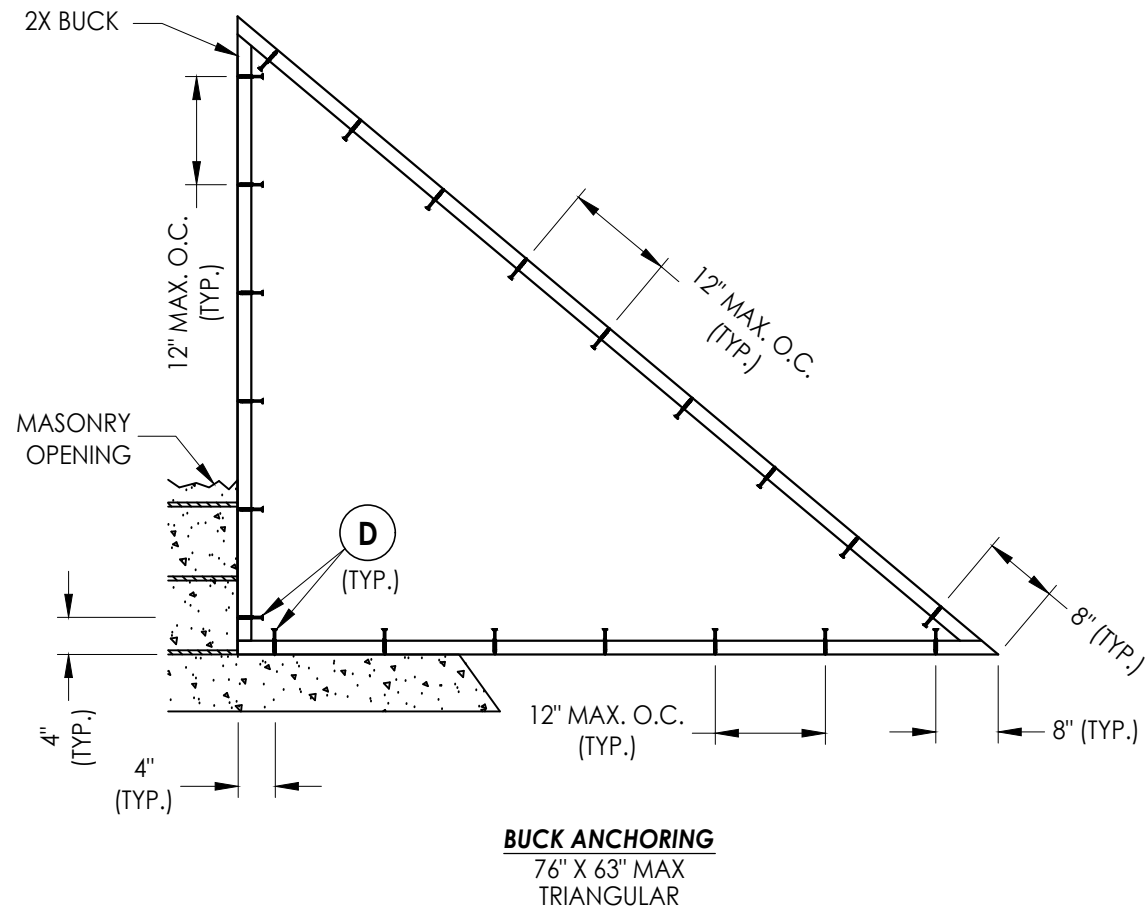
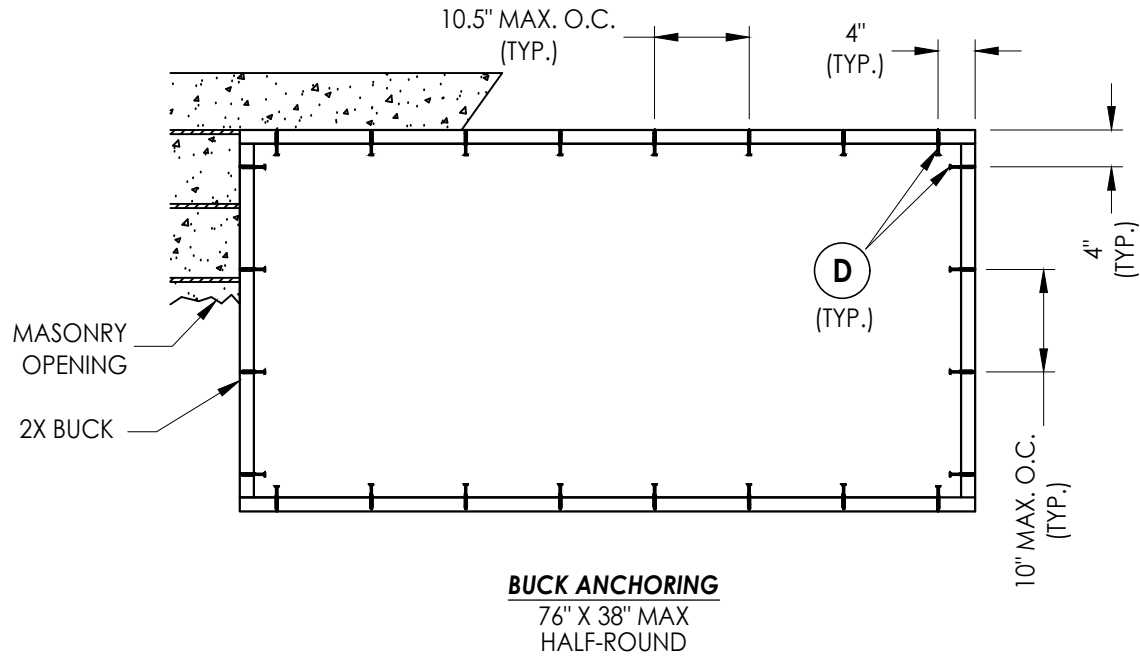
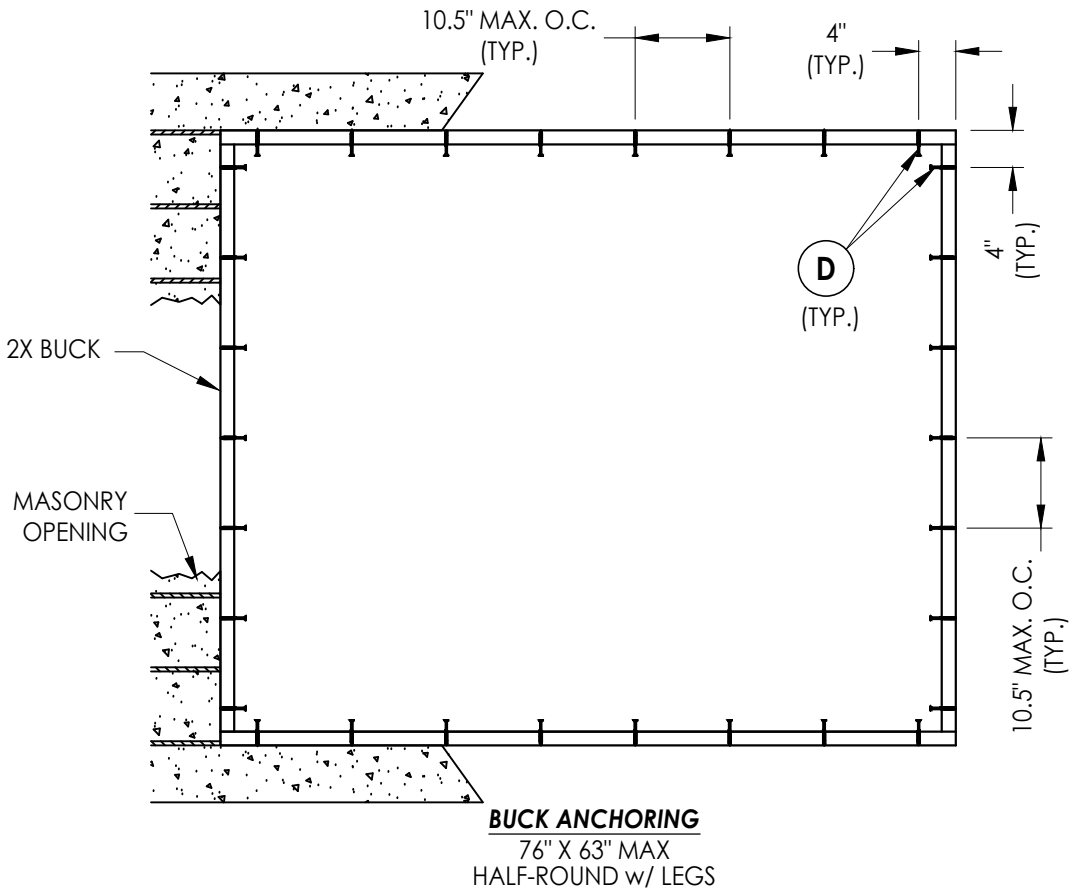
2 HORIZONTAL CROSS SECTION
2 Shown w/ 1X buck



3 HORIZONTAL CROSS SECTION
2 Shown direct to masonry

DATE: 12/10/24		PRODUCT:		Documents Prepared By:	
SCALE: N.T.S.		7700/8400 SERIES		Lyndon F. Schmidt	
DWG. BY: LFS		VINYL FIXED WINDOW		P.E. No. 43409	
CHK. BY: RW		PART OR ASSEMBLY:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DRAWING NO.: FL-15816.17		HORIZONTAL CROSS SECTIONS			
SHEET 2 OF 6		REVISIONS			
		NO. DATE BY			

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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 ULTRA-CON®	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, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
7700/8400 SERIES
VINYL FIXED WINDOW

PART OR ASSEMBLY:
BUCK ANCHORING

BY

REVISIONS

NO. DATE

DATE: 12/10/24

SCALE: N.T.S.

DWG. BY: LFS

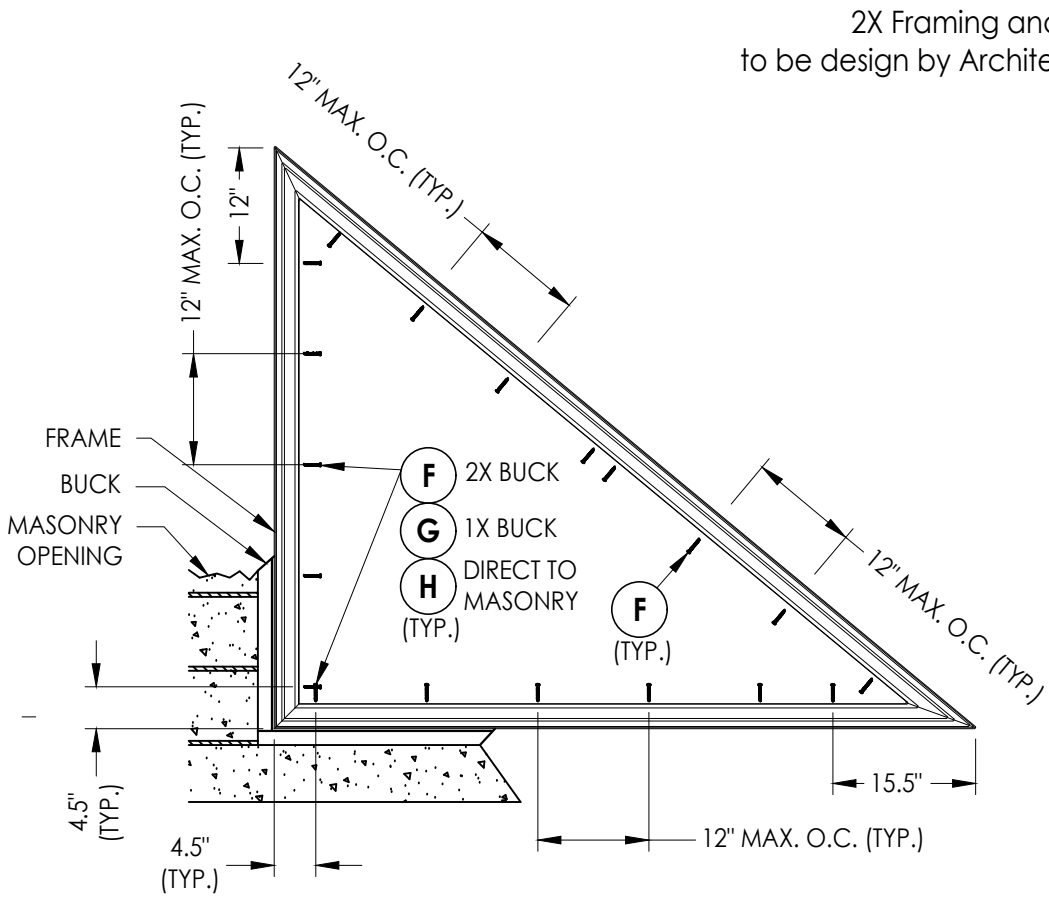
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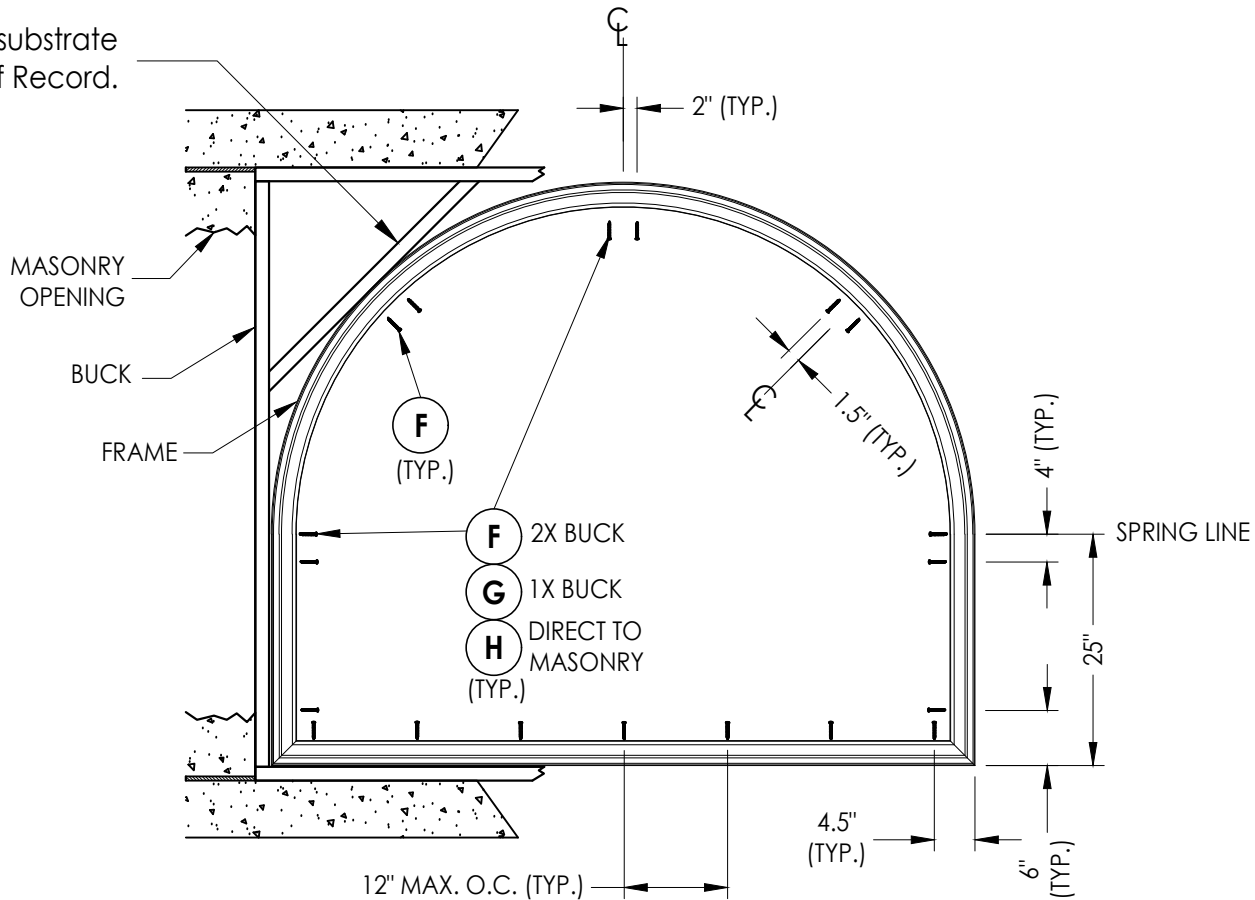
FL-15816.17

SHEET 3 OF 6

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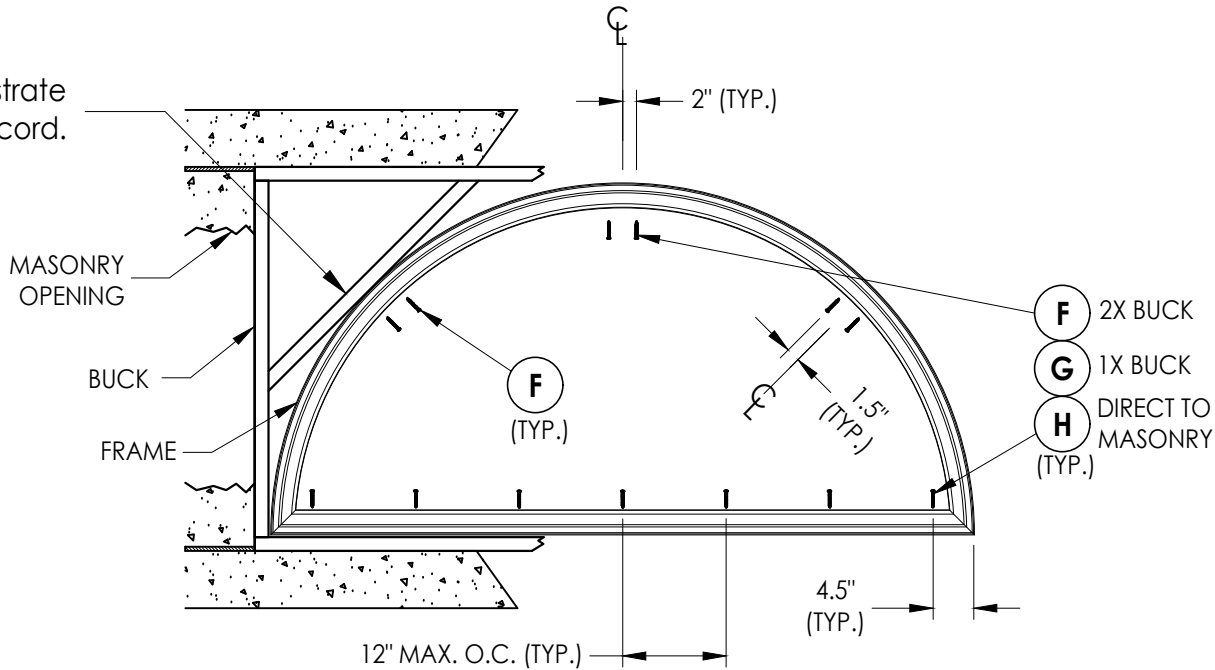


FRAME ANCHORING
76" X 63"



FRAME ANCHORING
76" X 63"

2X Framing and connection to substrate
to be design by Architect or Engineer of Record.



FRAME ANCHORING
76" X 38"

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 ULTRA CON+®	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:
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT:
7700/8400 SERIES
VINYL FIXED WINDOW

PART OR ASSEMBLY:
FRAME ANCHORING

REVISIONS
NO. DATE BY

DATE: 12/10/24

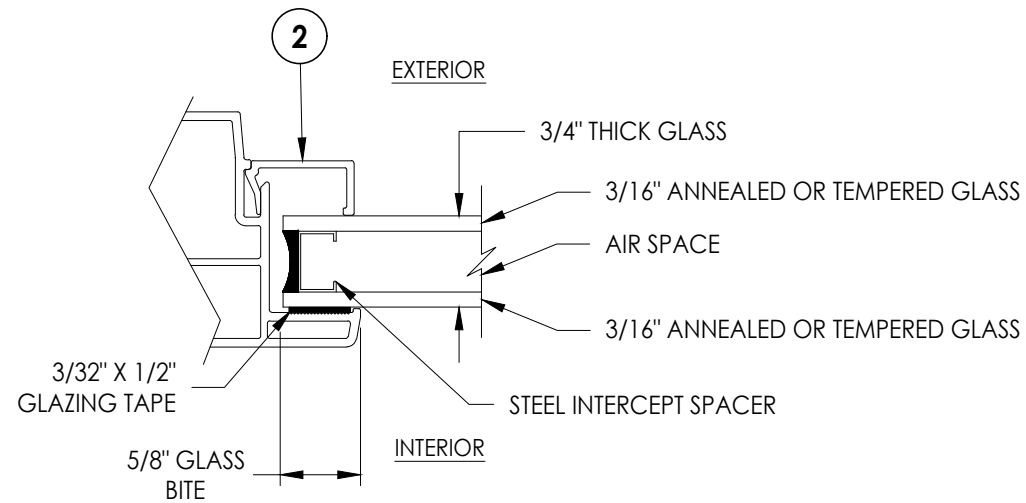
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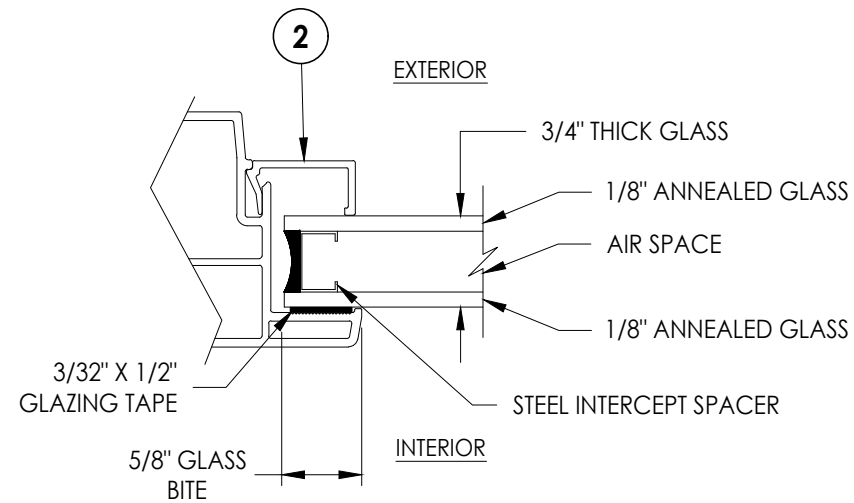
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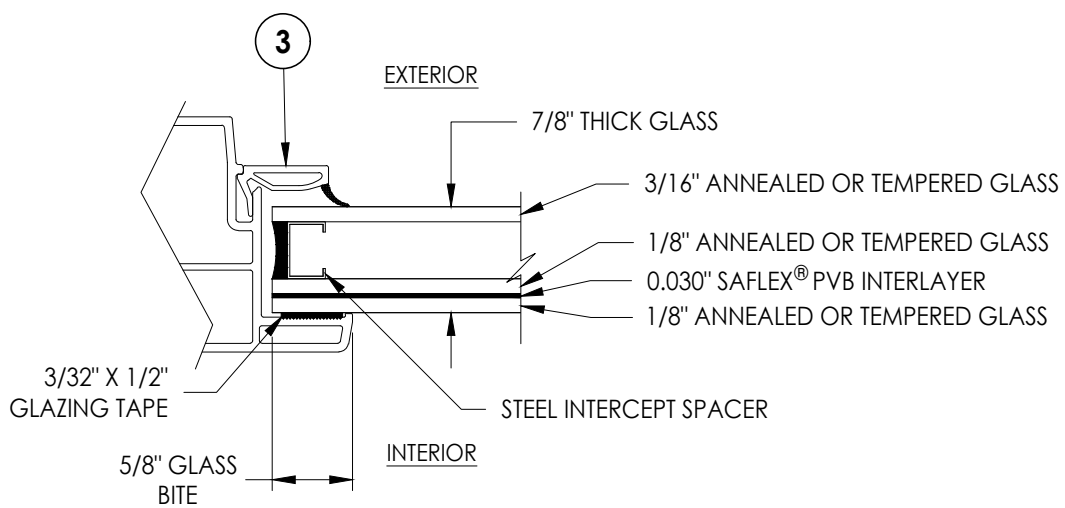
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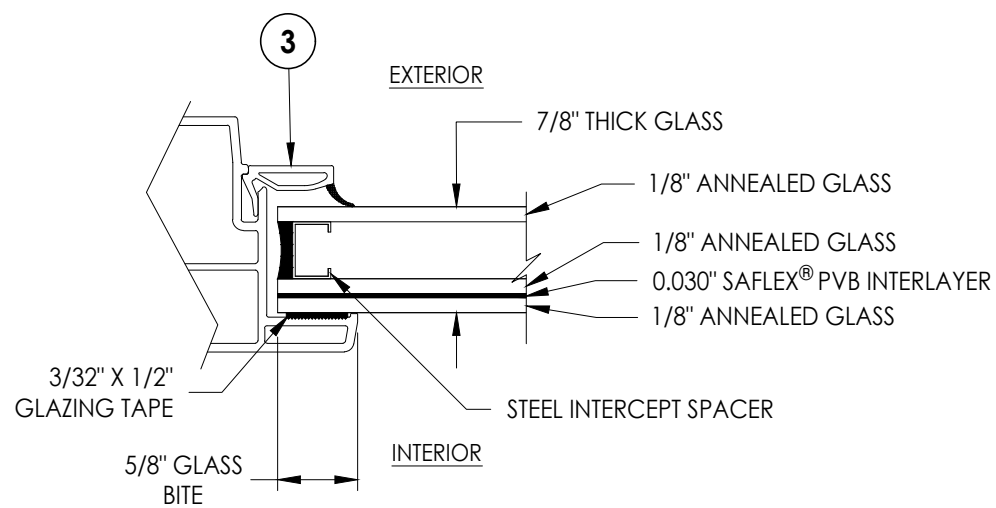
G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL



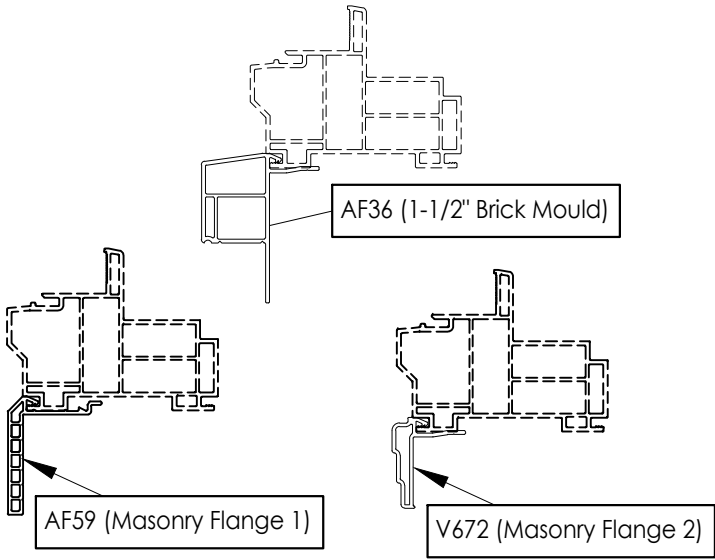
G4 GLAZING DETAIL

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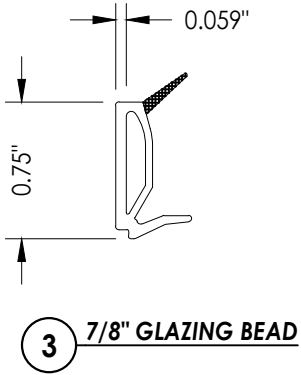
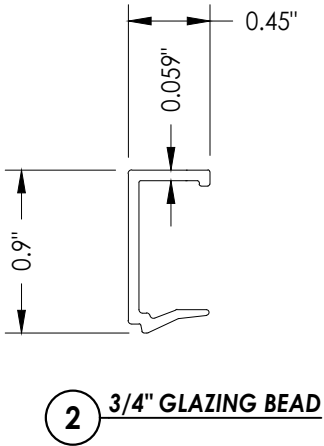
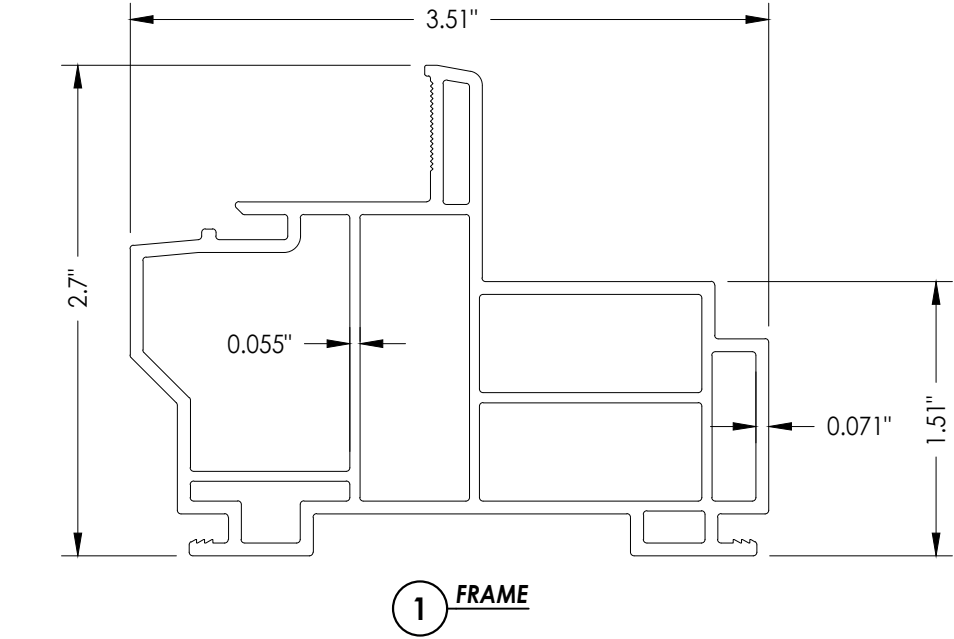
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" MODIFIED TRUSS HEAD (7/16" Ø) SMS (1-5/16" MIN. EMBEDMENT)	STEEL
G	1/4" X 3-1/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
H	1/4" X 2-3/4" HWH DeWALT OR ITW CONCRETE SCREW	STEEL
1	FRAME (PE7701B)*	PVC
2	3/4" GLAZING BEAD (BV56WH)*	PVC
3	7/8" GLAZING BEAD (BV62WH)*	PVC

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



OPTIONAL COSMETIC FLANGES



Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		R ^W BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:	7700/8400 SERIES VINYL FIXED WINDOW	PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS	
		REVISIONS	
		NO.	DATE
			BY
DATE: 12/10/24			
SCALE: N.T.S.			
DWG. BY: TJ			
CHK. BY: RW			
DRAWING NO.: FL-15816.17			
SHEET 6 OF 6			