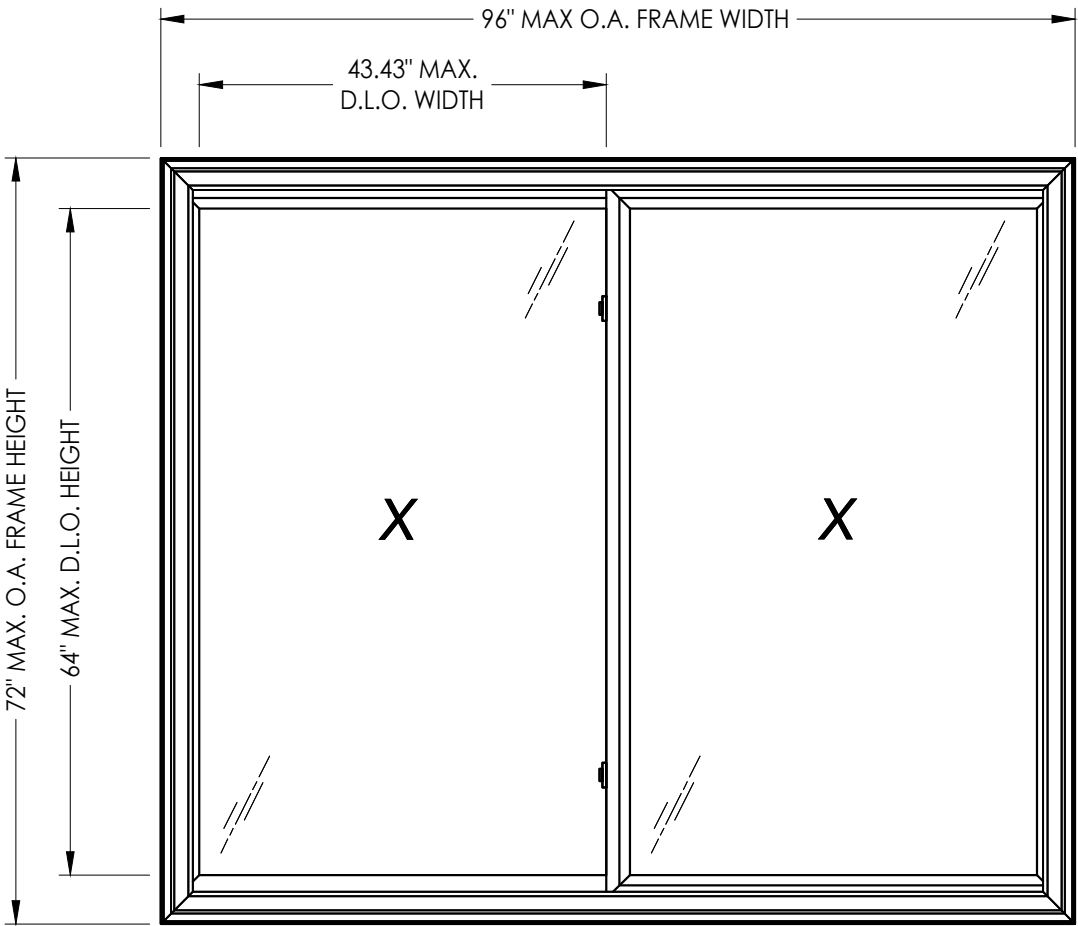


8400 Series
Vinyl Horizontal Sliding Window
"NON-IMPACT"

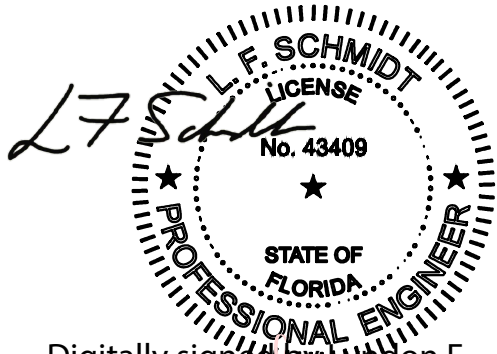
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) 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	Vertical cross sections
4	Buck and frame anchoring
5	Components
6	Bill of materials & glazing details



MAX. FRAME DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
74.0" X 62.0"	32.43" X 54.0"	G1, G3	+50.0	-50.0
84.0" X 63.0"	37.37" X 55.12"	G1, G3	+50.0	-50.0
96.0" X 72.0"	43.37" X 64.12"	G1, G3	+40.0	-40.0
74.0" X 63.0"	32.43" X 55.0"	G2, G4	+60.0	-65.0
84.0" X 63.0"	37.37" X 55.12"	G2, G4	+65.0	-65.0
96.0" X 72.0"	43.37" X 64.12"	G2, G4	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.27 12:14:20 -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

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

RW

PRODUCT: 8400 SERIES

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

7	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
6	7/06/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
5	7/06/20	UPDATE TO 7TH ED. (2020)	FBC	LFS			
NO.	DATE			BY			
					REVISIONS		

DATE: 12/05/12

SCALE: *N.T.S.*

DWG. BY: JK

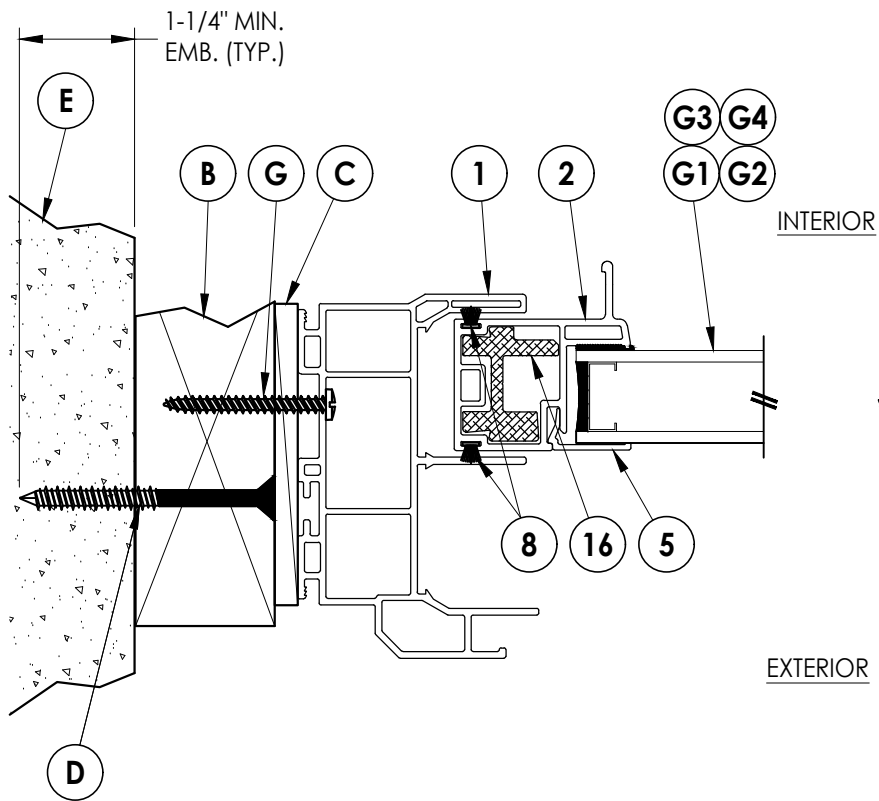
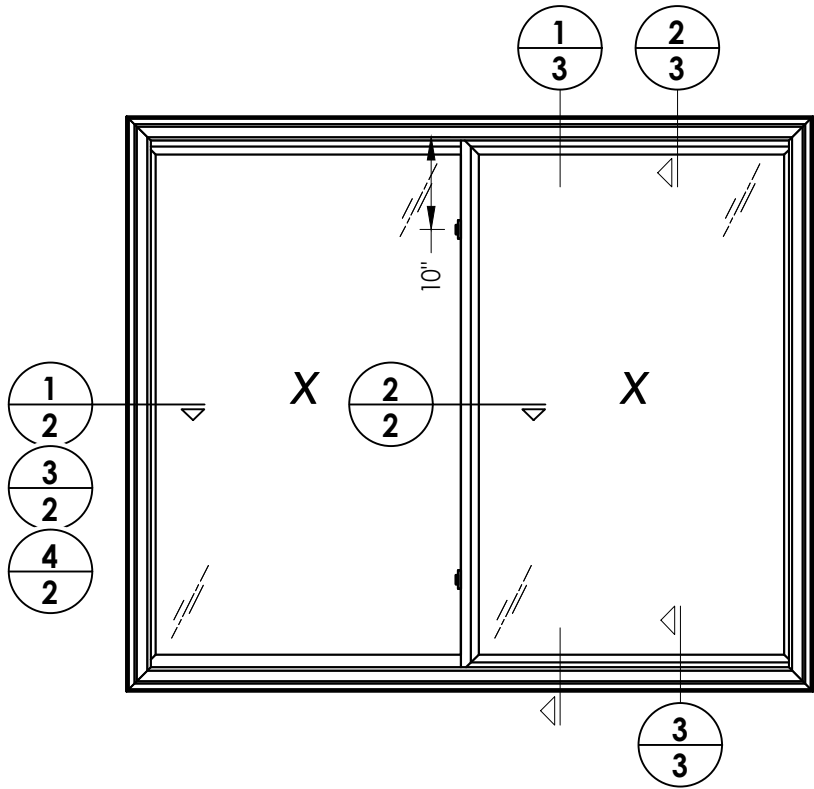
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DRAWING NO.:

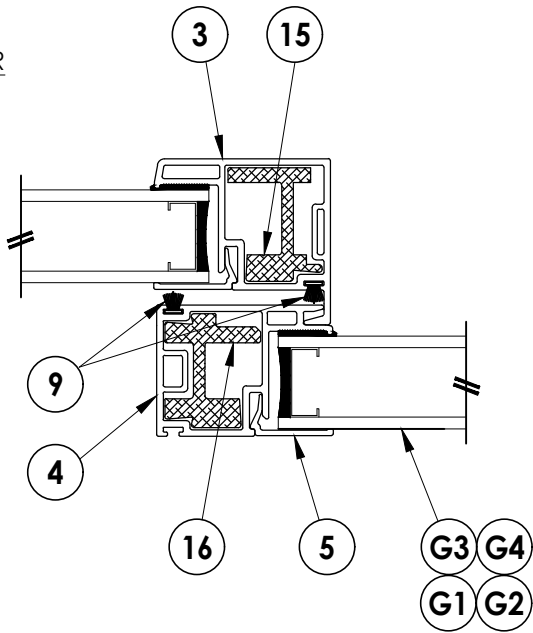
FL-16092.1

SHEET 1 OF 6

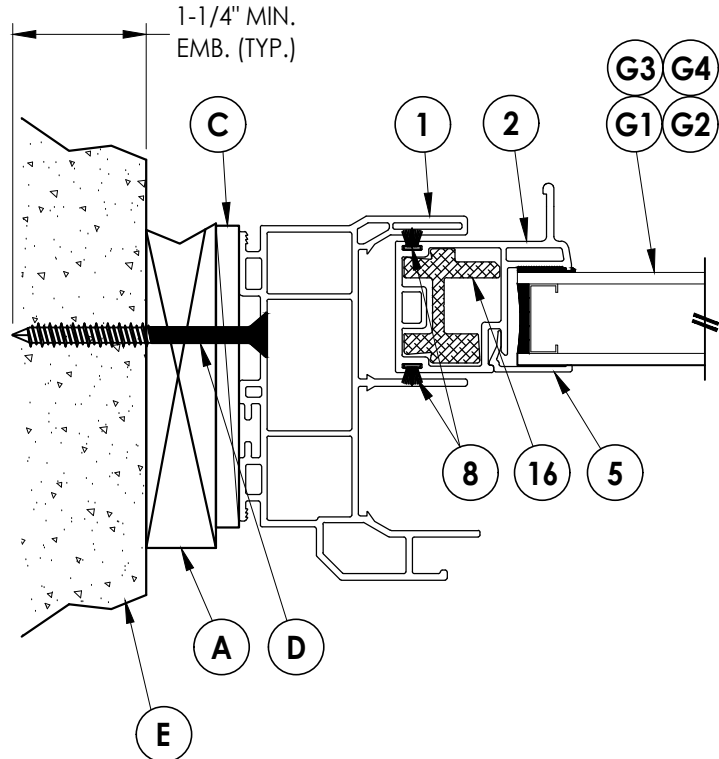
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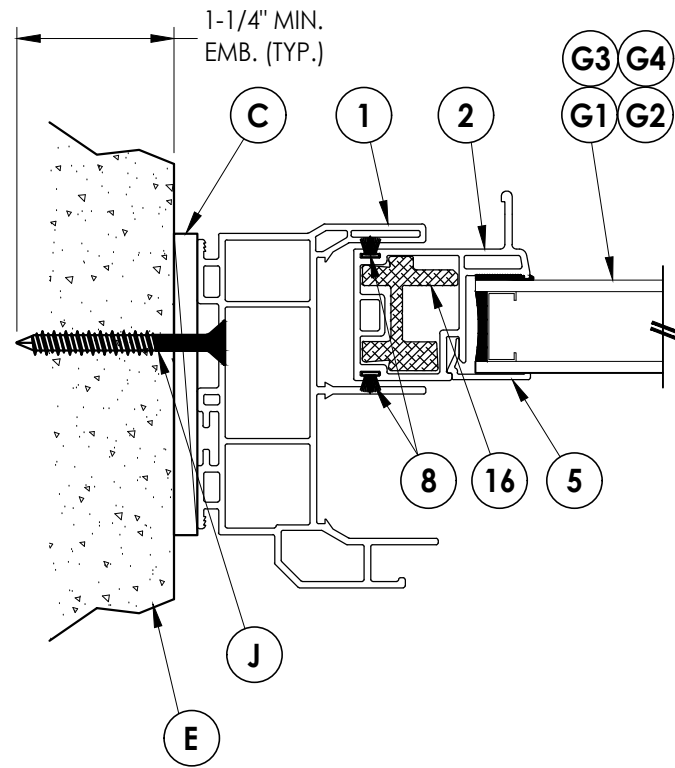
1 HORIZONTAL CROSS SECTION
2 Shown w/ 2X buck



2 HORIZONTAL CROSS SECTION
2 Shown direct to masonry



4 HORIZONTAL CROSS SECTION
2 Shown w/ 1X buck



3 HORIZONTAL CROSS SECTION
2 Shown direct to masonry

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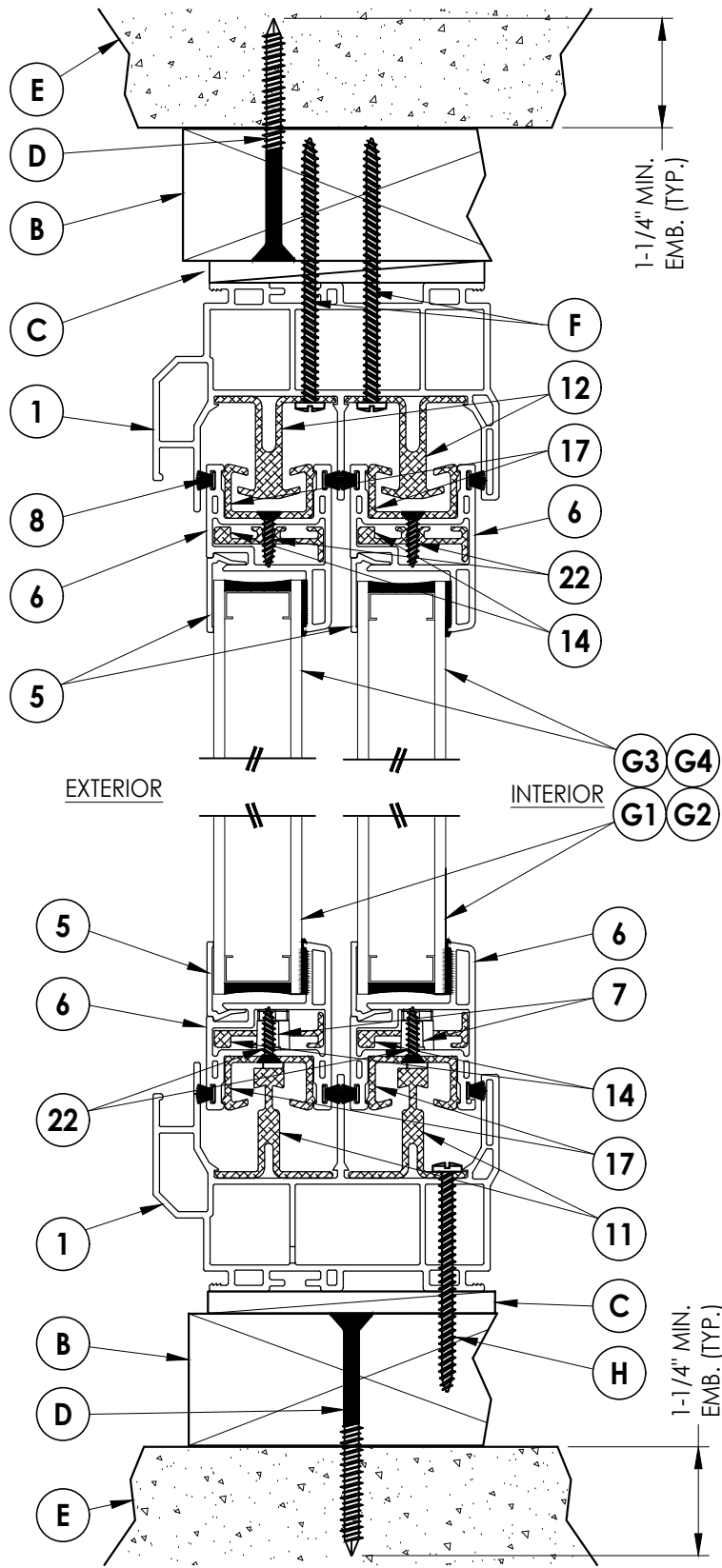
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: 8400 SERIES	
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	

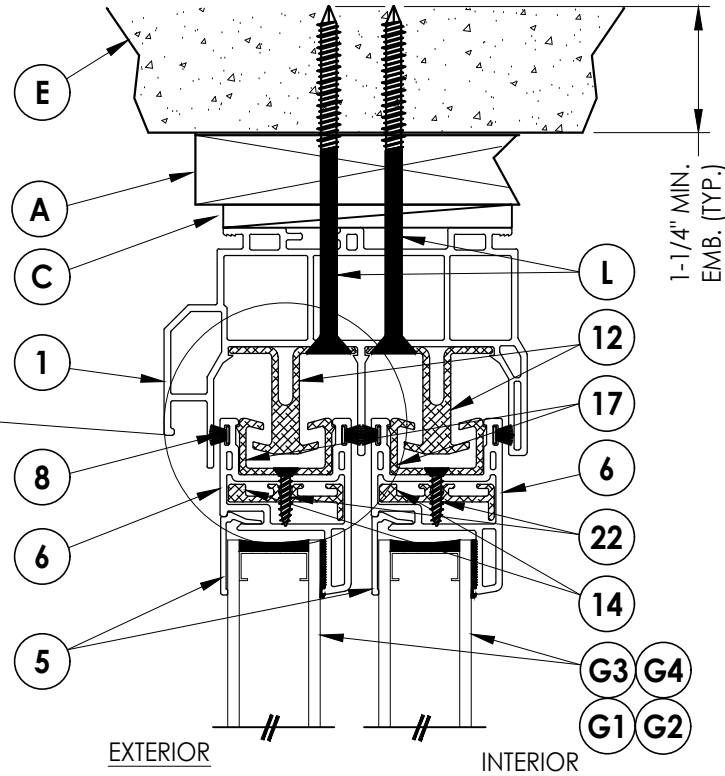
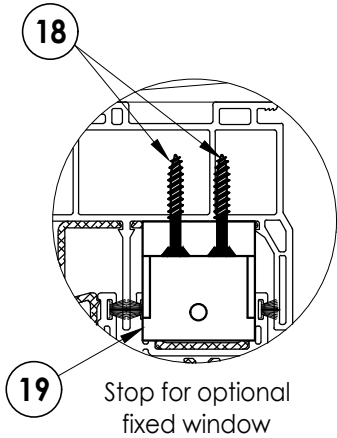
REVISONS	
NO.	DATE
7	7/01/26
6	7/06/23
5	7/06/20
4	7/06/20
3	7/06/20
2	7/06/20
1	7/06/20

DATE: 12/05/12
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-16092.1
SHEET 2 OF 6

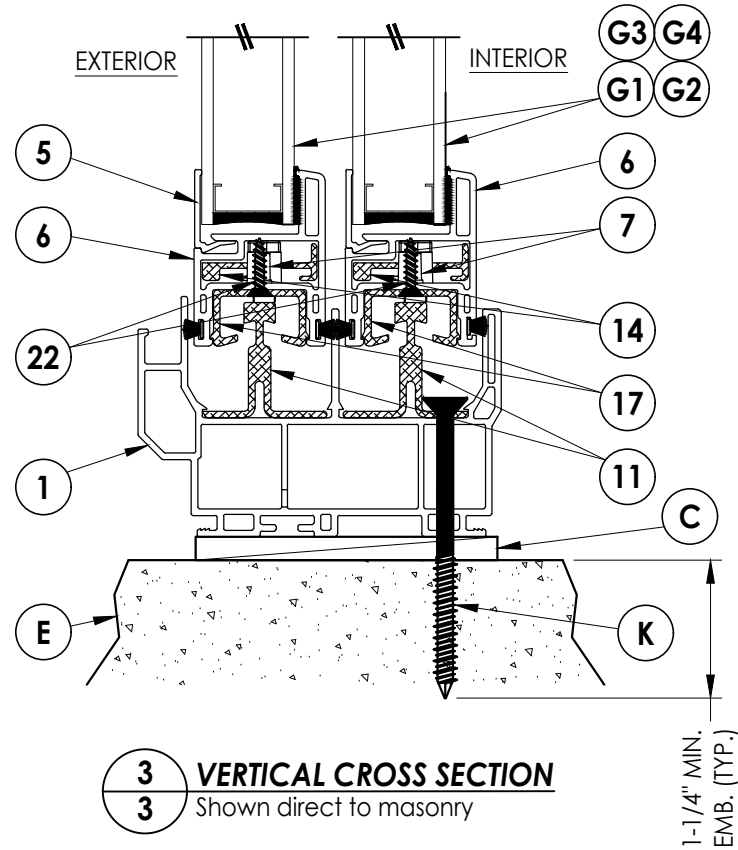
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1
3 **VERTICAL CROSS SECTION**
Shown w/ 2X buck



2
3 **VERTICAL CROSS SECTION**
Shown w/ 1X buck



3
3 **VERTICAL CROSS SECTION**
Shown direct to masonry

Documents Prepared By:
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT: 8400 SERIES

PART OR ASSEMBLY:
VERTICAL
CROSS SECTIONS

NO.	DATE	REVISIONS
7	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
6	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
5	7/06/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 12/05/12

SCALE: N.T.S.

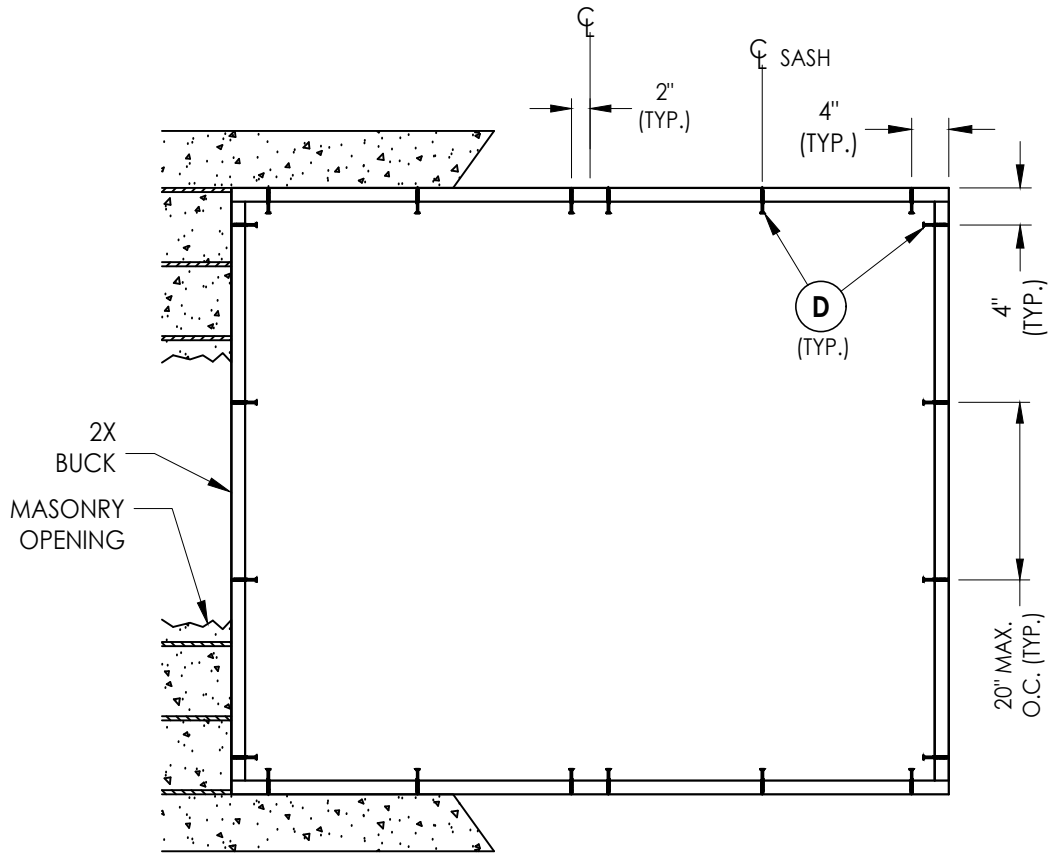
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CHK. BY: LFS

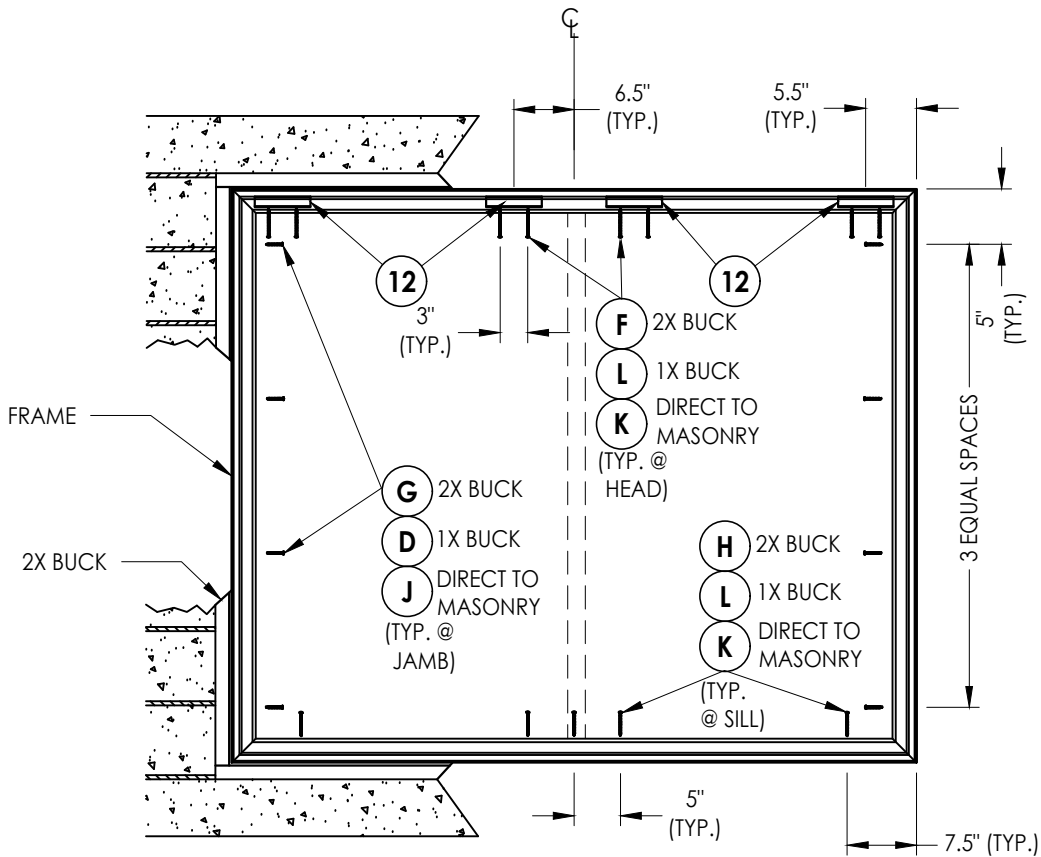
DRAWING NO.:
FL-16092.1

SHEET 3 OF 6

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BUCK ANCHORING



FRAME ANCHORING

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"	2-1/2"	3"
HILTI KWIK-CON II+	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.

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

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PRODUCT: 8400 SERIES

PART OR ASSEMBLY:
BUCK AND
FRAME ANCHORING

NO.	DATE	REVISIONS
7	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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5	7/06/20	UPDATE TO 7TH ED. (2020) FBC LFS
		BY

DATE: 12/05/12

SCALE: N.T.S.

DWG. BY: JK

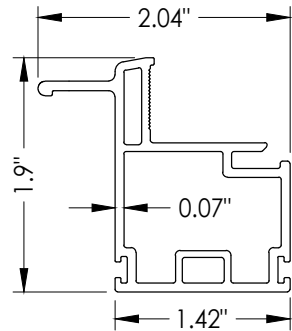
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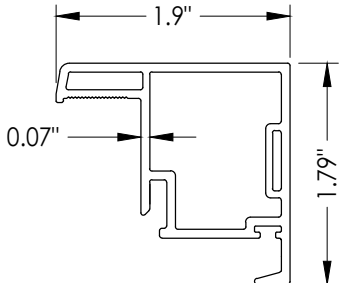
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SHEET 4 OF 6

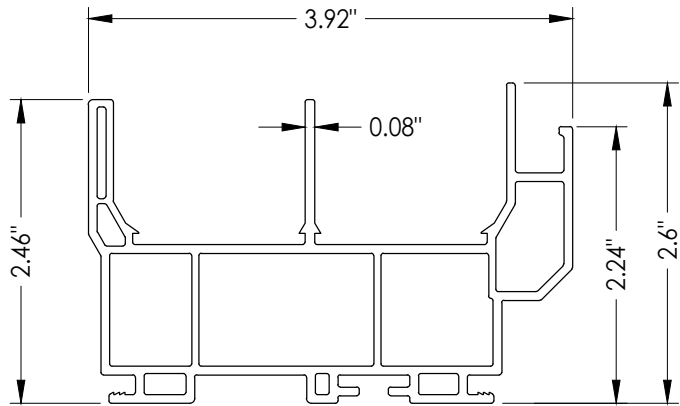
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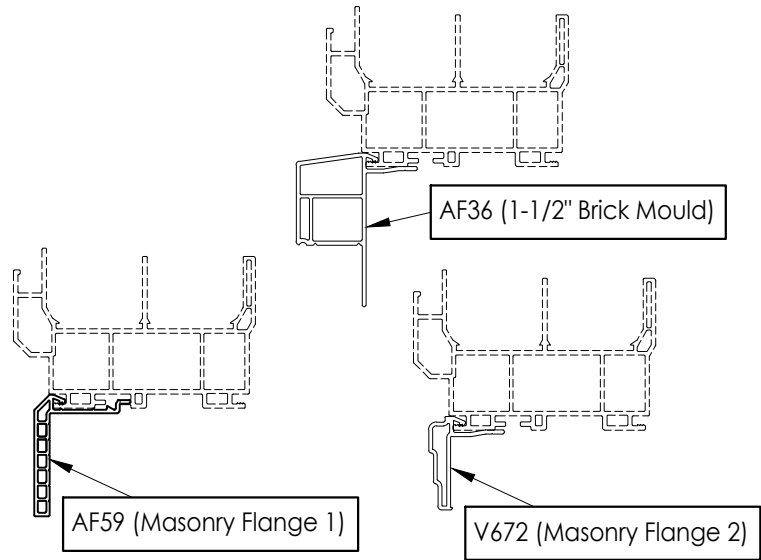
2 SLIDER PULL STILE



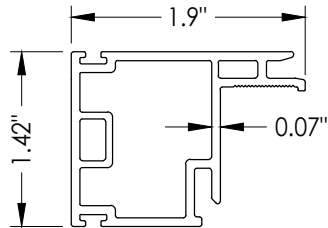
3 LOCK STILE



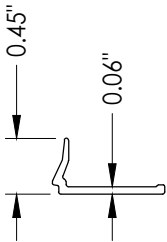
1 FRAME



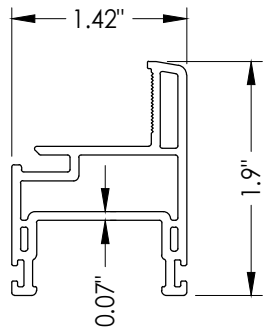
OPTIONAL COSMETIC FLANGES



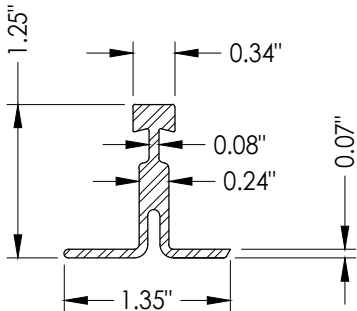
4 KEEPER STILE



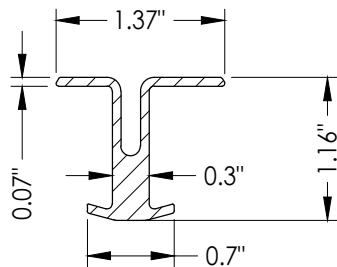
5 GLAZING BEAD



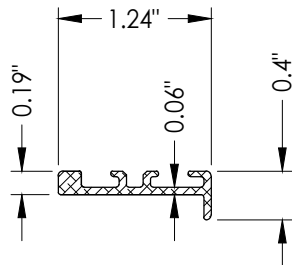
6 SLIDER COMMON RAIL



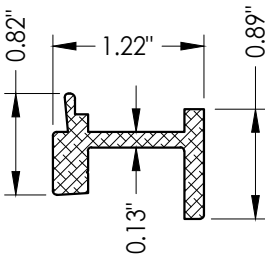
11 SILL TRACK
Full width



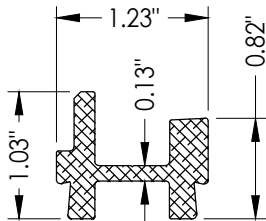
12 HEAD TRACK
6" Long



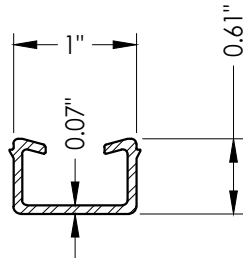
14 REINFORCEMENT
Common Rail



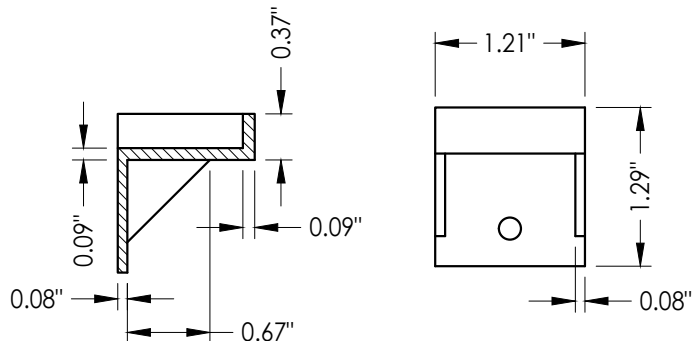
15 REINFORCEMENT
Lock Stile



16 REINFORCEMENT
Keeper and Pull Stile



17 SLIDER SASH RETAINING CLIP



19 FLANKER STOP

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FBPE Registry No. 9813

PRODUCT: 8400 SERIES

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
7	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
6	7/06/23	UPDATE TO 8TH ED. (2023) FBC LFS
5	7/06/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 12/05/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

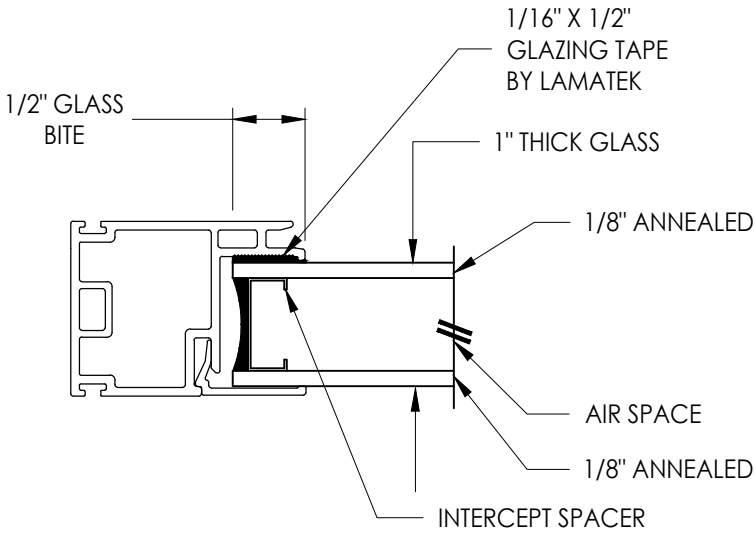
DRAWING NO.:
FL-16092.1

SHEET 5 OF 6

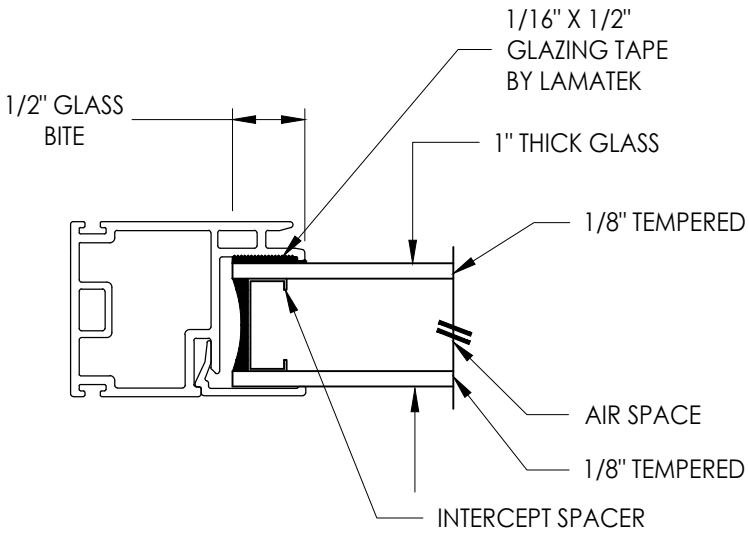
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.42	WOOD
B	2X BUCK SG >= 0.42	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 3" PPH WOOD SCREW (1-3/8" MIN. EMBEDMENT)	STEEL
G	#10 X 1-3/4" PPH WOOD SCREW (1-1/8" MIN. EMBEDMENT)	STEEL
H	#10 X 2-1/2" PPH WOOD SCREW (7/8" MIN. EMBEDMENT)	STEEL
J	1/4" X 2-1/4" ITW CONCRETE SCREW	STEEL
K	1/4" X 3-1/4" ITW CONCRETE SCREW	STEEL
L	1/4" X 3-3/4" ITW CONCRETE SCREW	STEEL
1	FRAME*	PVC
2	SLIDER PULL STILE*	PVC
3	LOCK STILE*	PVC
4	KEEPER STILE*	PVC
5	GLAZING BEAD*	PVC
6	SLIDER COMMON RAIL*	PVC
7	BALL BEARING ROLLER	-
8	WEATHERSTRIP (0.230")	-
9	WEATHERSTRIP (0.380")	-
11	SILL TRACK	ALUM
12	HEAD TRACK	ALUM
14	SLIDE RAIL REINFORCEMENT (6063-T6 ALUM)	ALUM
15	REINFORCEMENT (6005-T5 ALUM)	ALUM
16	REINFORCEMENT (6005-T5 ALUM)	ALUM
17	SLIDER SASH RETAINING CLIP	ALUM
18	#8 X 1" PFH SMS	STEEL
19	FLANKER STOP	NYLON
22	#8 X 5/8" (#6 head) PFH SMS	STEEL

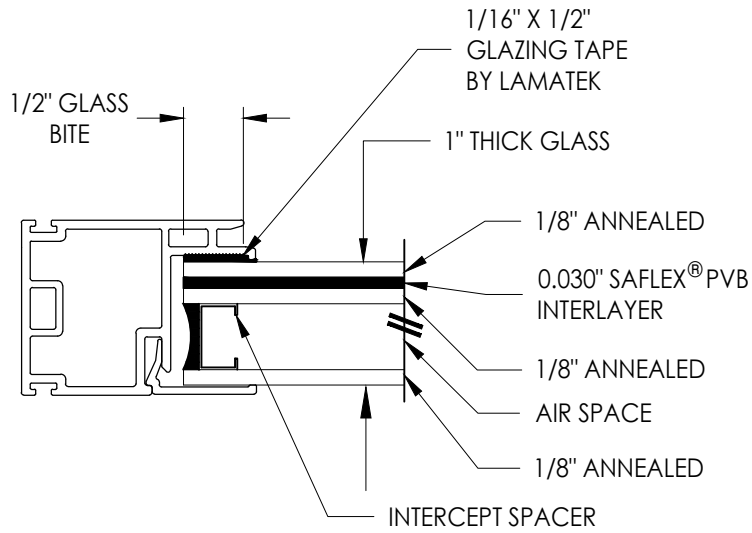
* THE APPROVED WHITE RIGID PVC EXTERIOR EXTRUSIONS FOR WINDOWS ARE TO BE PRODUCED BY EXTRUDERS LICENSEES IN "AAMA CERTIFICATION PROGRAMS FOR RIGID PVC EXTRUSIONS".



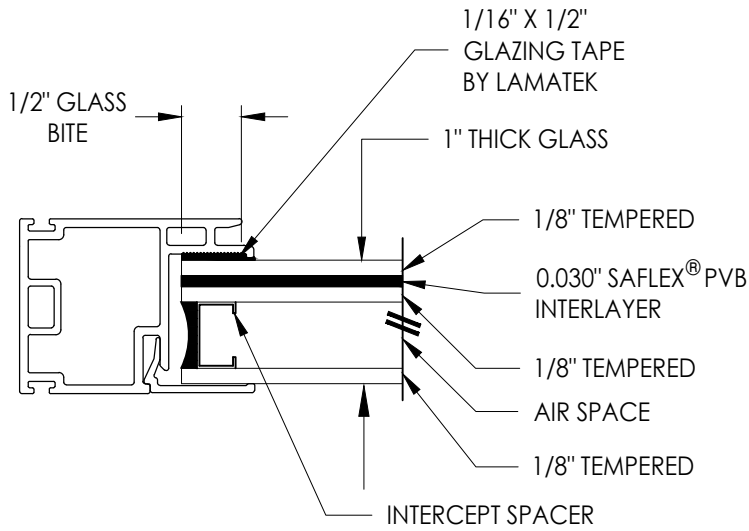
G1 GLAZING DETAIL



G2 GLAZING DETAIL



G3 GLAZING DETAIL



G4 GLAZING DETAIL

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FBPE Registry No. 9813

PRODUCT: 8400 SERIES		PART OR ASSEMBLY: BILL OF MATERIALS & GLAZING DETAILS	
		LFS	BY
		UPDATE TO 9TH ED. (2026) FBC	
		UPDATE TO 8TH ED. (2023) FBC	
		UPDATE TO 7TH ED. (2020) FBC	
		NO. DATE	
REVISIONS			
DATE: 12/05/12			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-16092.1			
SHEET 6 OF 6			