

Z:\2023 FBC Drawings\Sussman Architectural Products LLC\FL-14163 R4\FL-14163.1-6.dwg

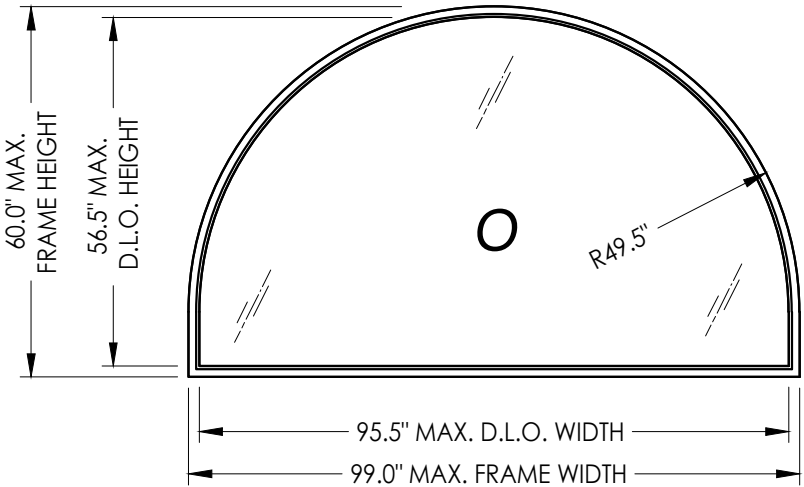


6400 Series
EXTRUDED THERMALLY BROKEN
FIXED ALUMINUM WINDOW
"IMPACT"

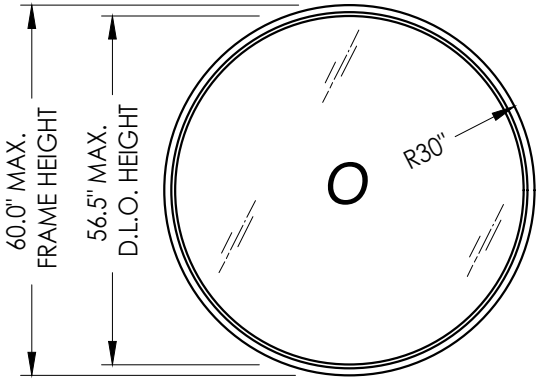
GENERAL NOTES

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 complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 (up to a max. frame area of 19.6 ft²) as defined in ASTM E 1996.
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.

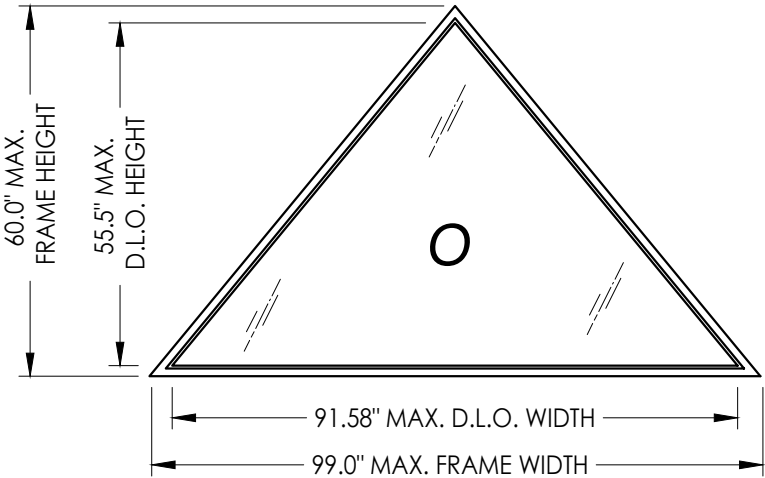
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, general notes and design pressures
2	Vertical cross section
3	Buck anchoring
4	Frame anchoring
5	Bill of materials, glazing detail and components



HALF-ROUND

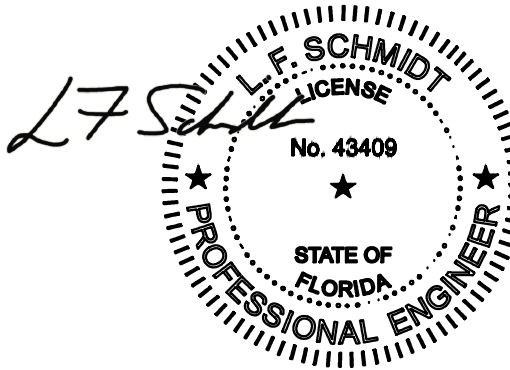


ROUND



TRIANGULAR

GEOMETRIC SHAPE	MAX. O.A. DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
HALF-ROUND	99.0" X 60.0"	95.5" X 56.5"	G1, G2	+ 65.0	- 65.0
TRIANGULAR	99.0" X 60.0"	91.58" X 55.5"	G1, G2	+ 65.0	- 65.0
ROUND	60.0" DIA.	56.5" DIA.	G1, G2	+ 65.0	- 65.0



Digitally signed by Lyndon F Schmidt
Date: 2026.09.29 16:56:57 -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: J. SUSSMAN, INC.
6400 SERIES WINDOW

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

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

NO.	DATE	REVISIONS
5	7/07/26	UPDATE TO 9TH ED. (2026) FBC
4	8/29/23	UPDATE TO 8TH ED. (2023) FBC
3	8/26/20	UPDATE TO 7TH ED. (2020) FBC
2	7/17/18	UPDATE TO 6TH ED. (2017) FBC
1	1/25/12	UPDATE TO 2010 FBC

DATE: 10/18/10

SCALE: N.T.S.

DWG. BY: JK

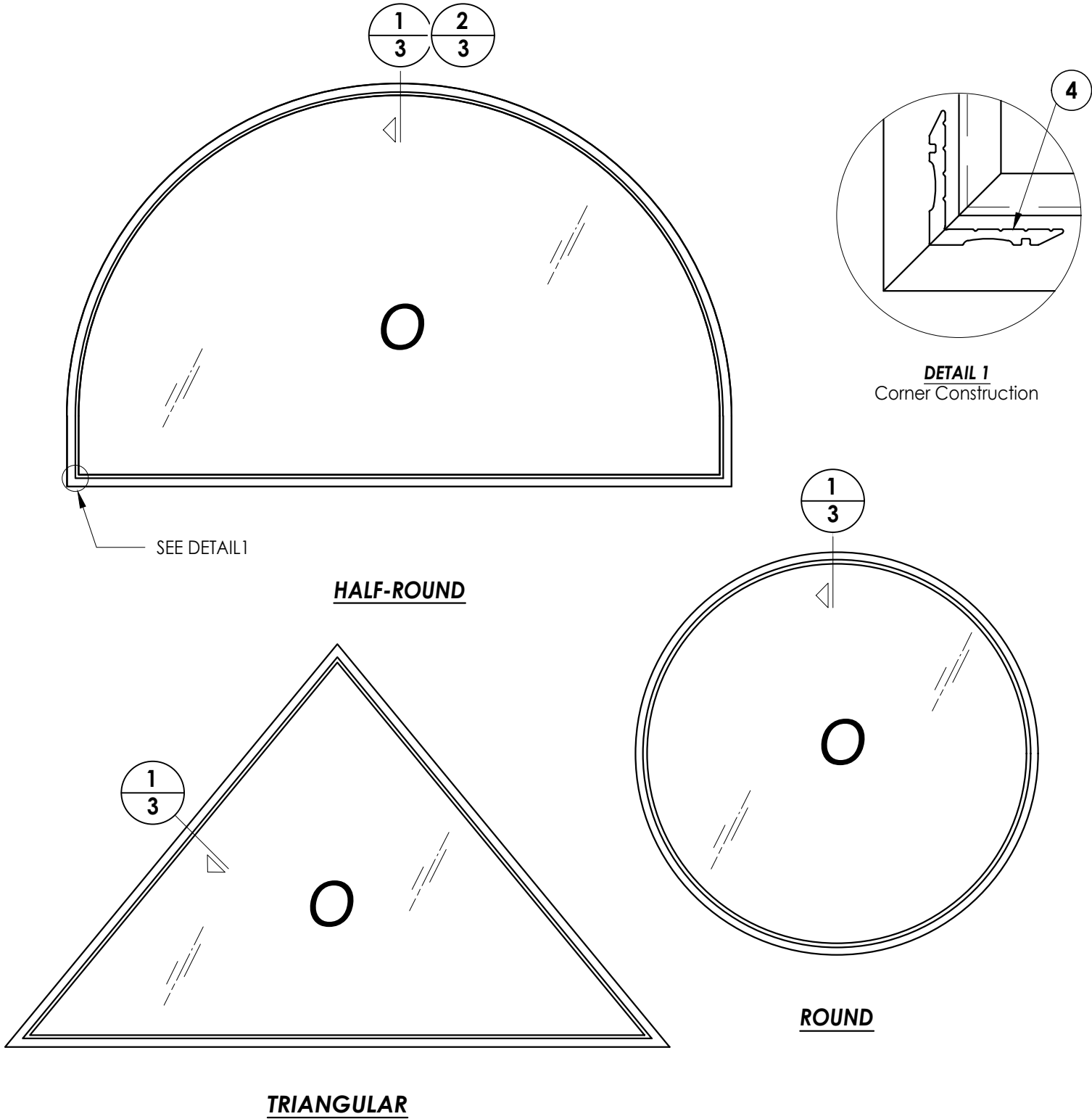
CHK. BY: LFS

DRAWING NO.:

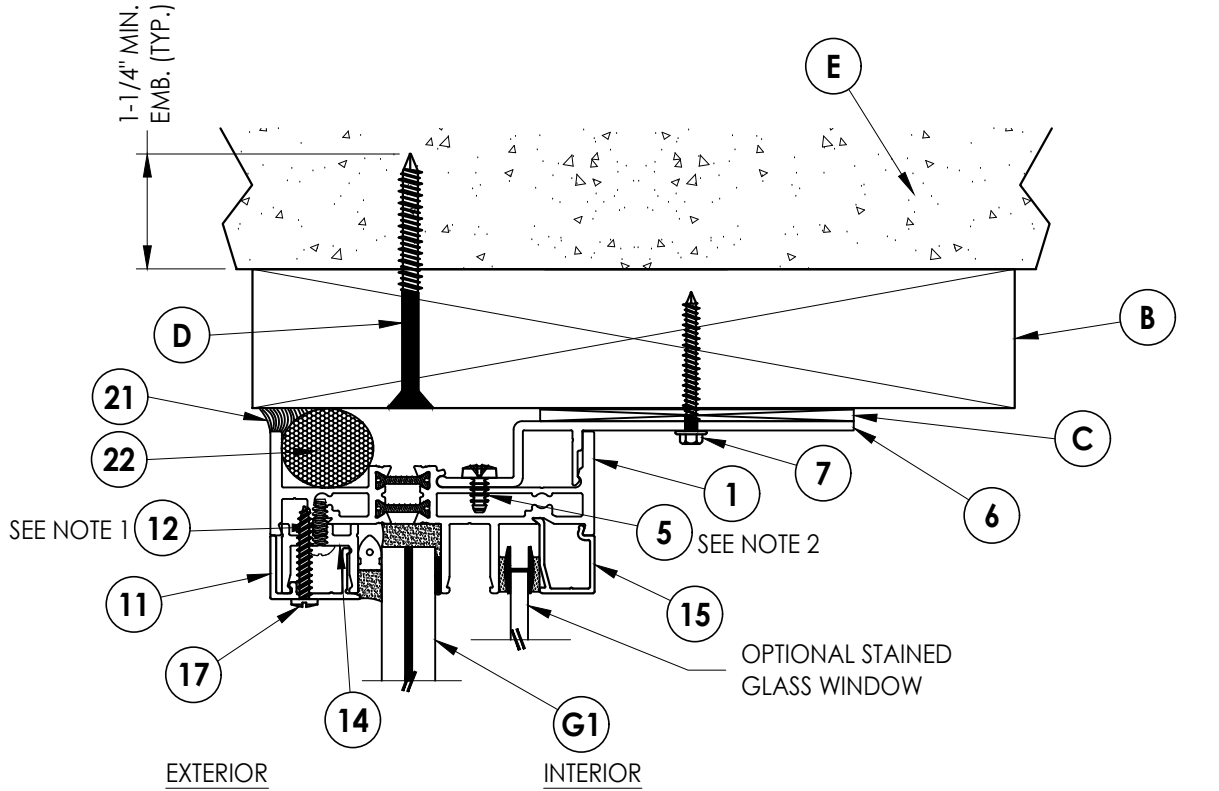
FL-14163.2

SHEET 1 OF 5

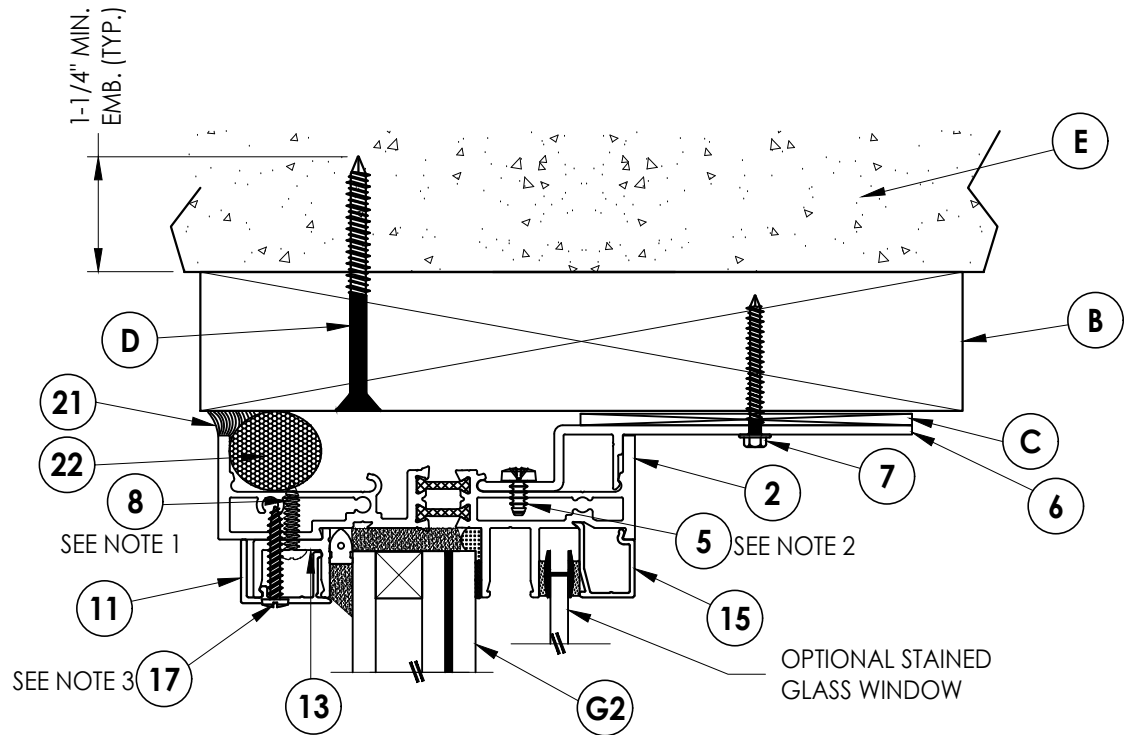
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- NOTES:
- Glazing stop secured to frame with item #8 and #12 spaced 12" o.c. throughout.
 - Anchor strap secured to frame with item 5 as follows:
Triangular & Half-round : one per strap
Round: two per strap
 - Glazing stop cover secured to glazing stop with item #17 on curved glazing as follows:
Half-round: 32" o.c.
Round: 16" o.c.



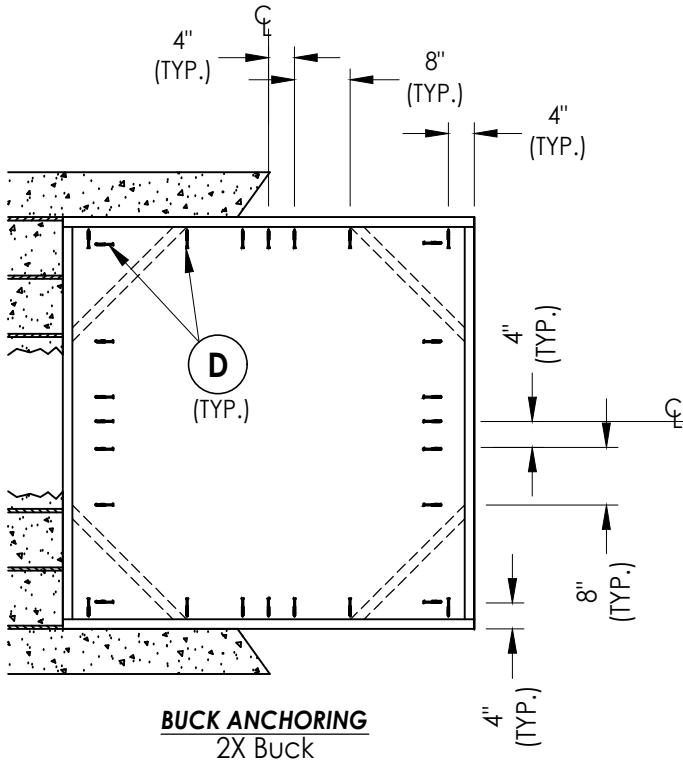
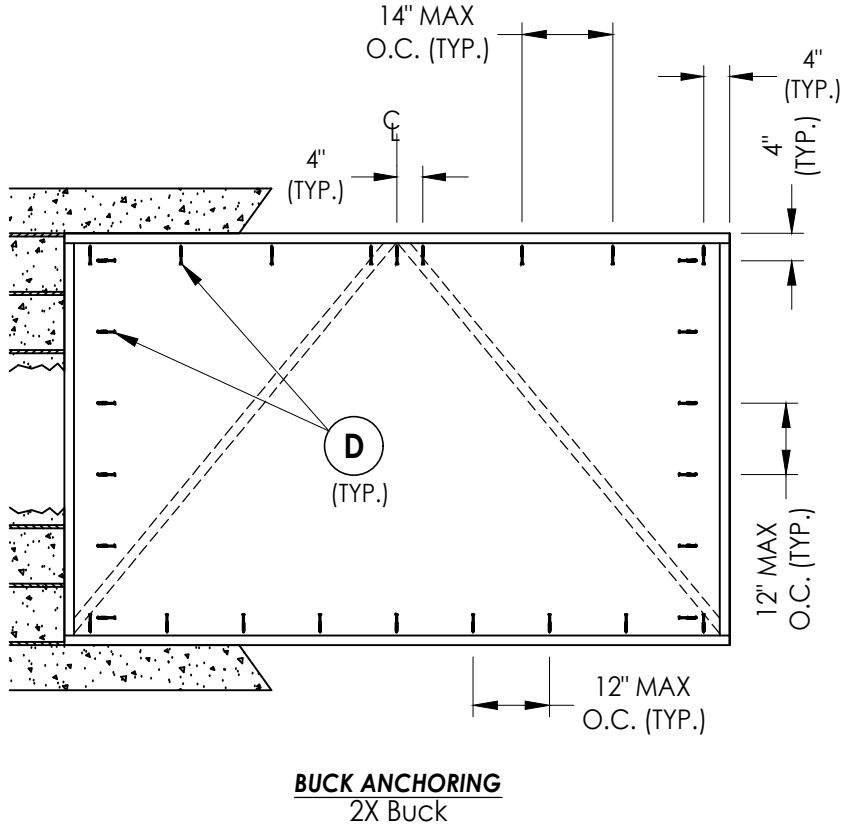
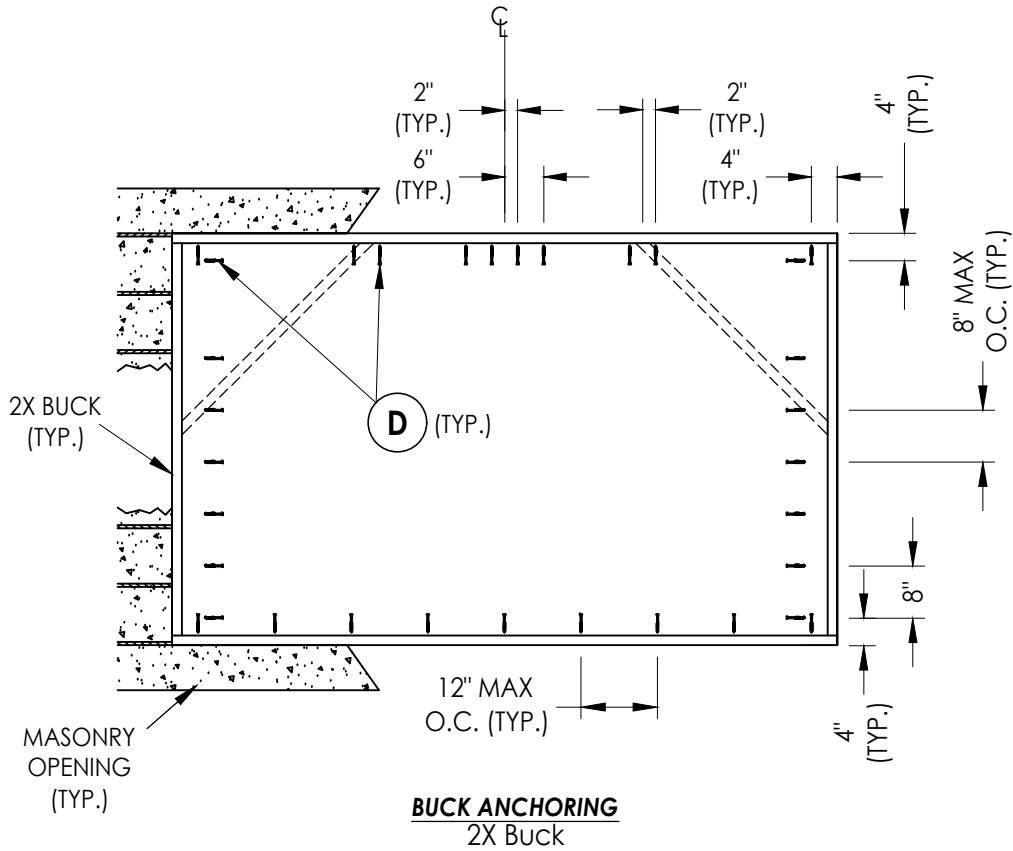
1
3 **VERTICAL CROSS SECTION**
2X Buck Construction



2
3 **VERTICAL CROSS SECTION**
2X Buck Construction

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	
PRODUCT: J. SUSSMAN INC. 6400 SERIES WINDOW		PART OR ASSEMBLY: VERTICAL CROSS SECTION	
5	7/07/26	UPDATE TO 9TH ED. (2026)	FBC
4	8/29/23	UPDATE TO 8TH ED. (2023)	FBC
3	8/26/20	UPDATE TO 7TH ED. (2020)	FBC
2	7/17/18	UPDATE TO 6TH ED. (2017)	FBC
1	1/25/12	UPDATE TO 2010 FBC	
NO. DATE		REVISIONS	
DATE: 10/18/10			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-14163.2			
SHEET 2 OF 5			

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

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"	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.

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6400 SERIES WINDOW

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

PART OR ASSEMBLY:
BUCK ANCHORING

NO.	DATE	REVISIONS
5	7/07/26	UPDATE TO 9TH ED. (2026) FBC
4	8/29/23	UPDATE TO 8TH ED. (2023) FBC
3	8/26/20	UPDATE TO 7TH ED. (2020) FBC
2	7/17/18	UPDATE TO 6TH ED. (2017) FBC
1	1/25/12	UPDATE TO 2010 FBC
NO.	DATE	BY

DATE: 10/18/10

SCALE: N.T.S.

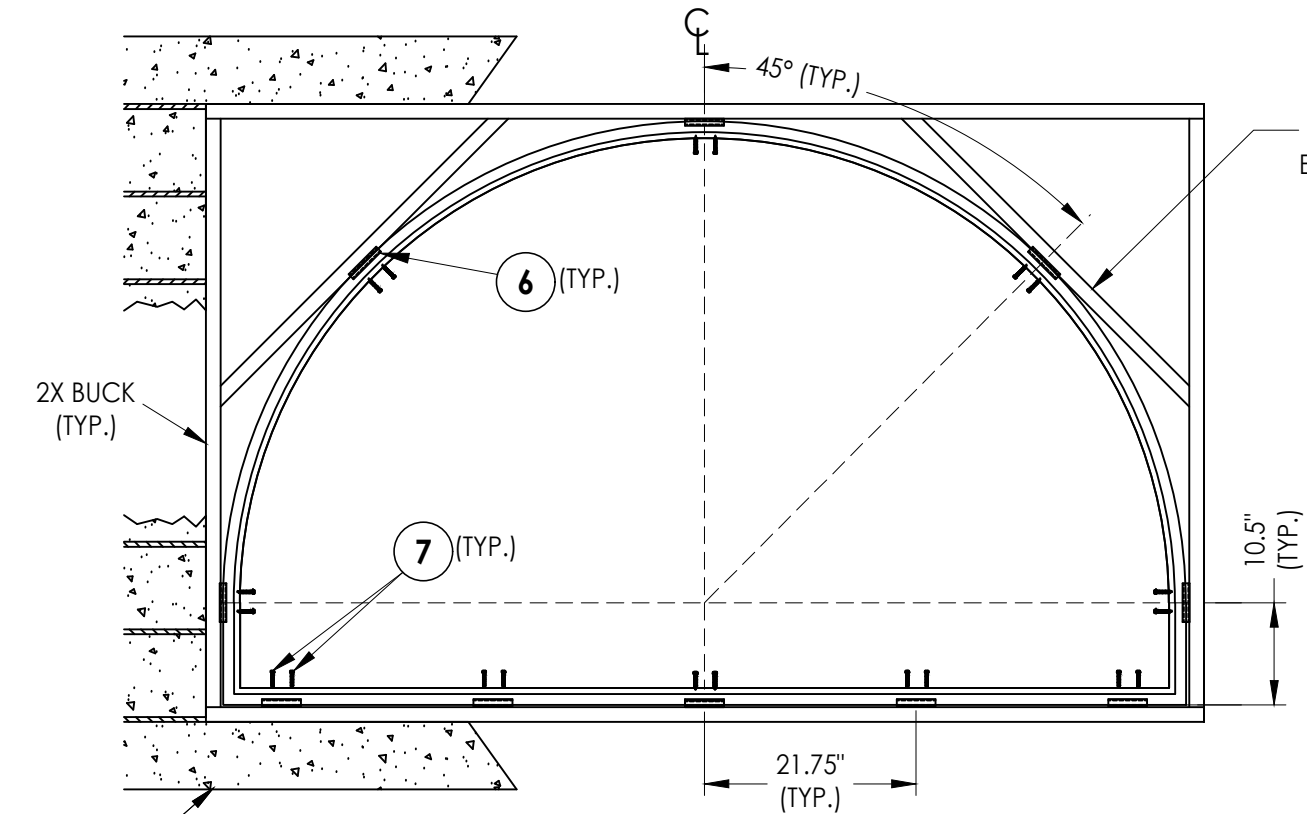
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CHK. BY: LFS

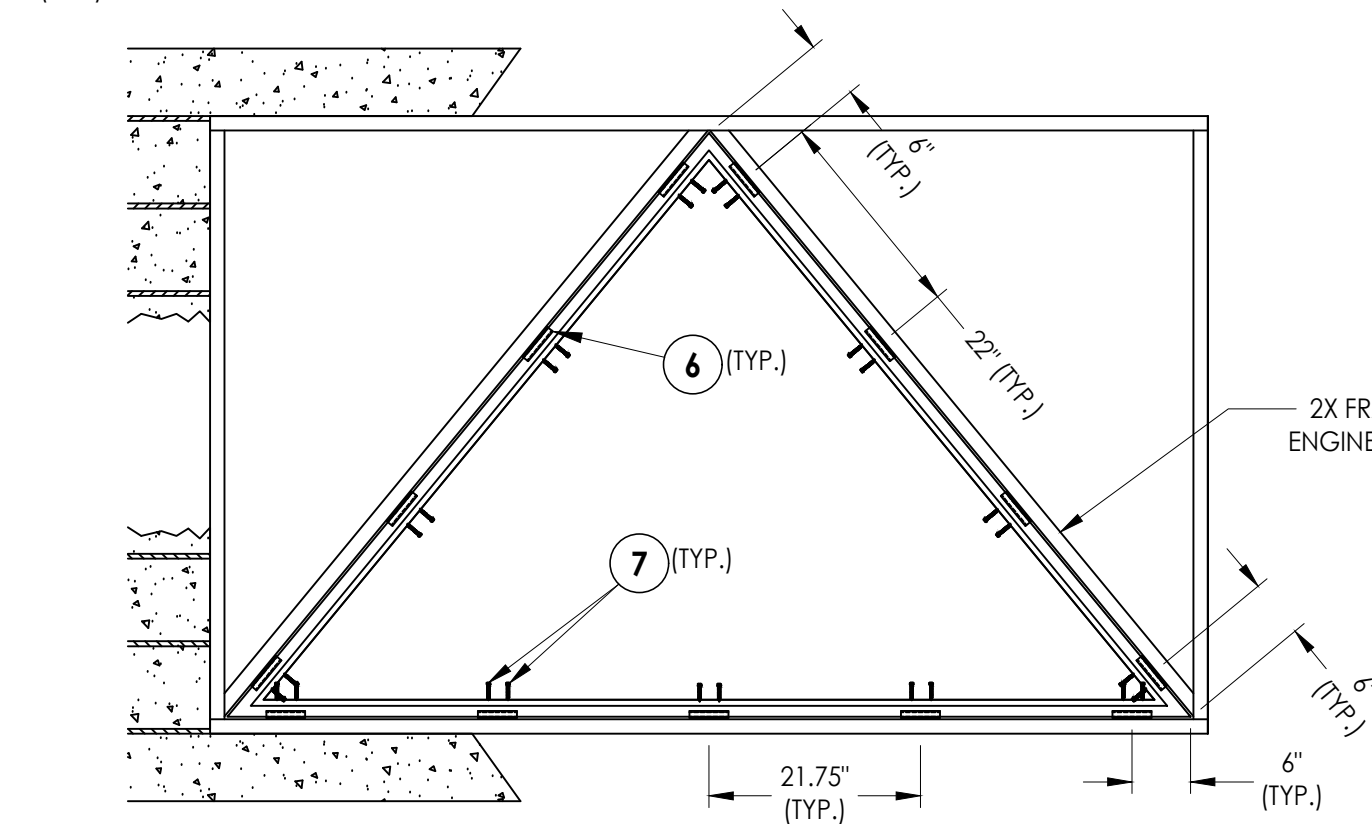
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FL-14163.2

SHEET 3 OF 5

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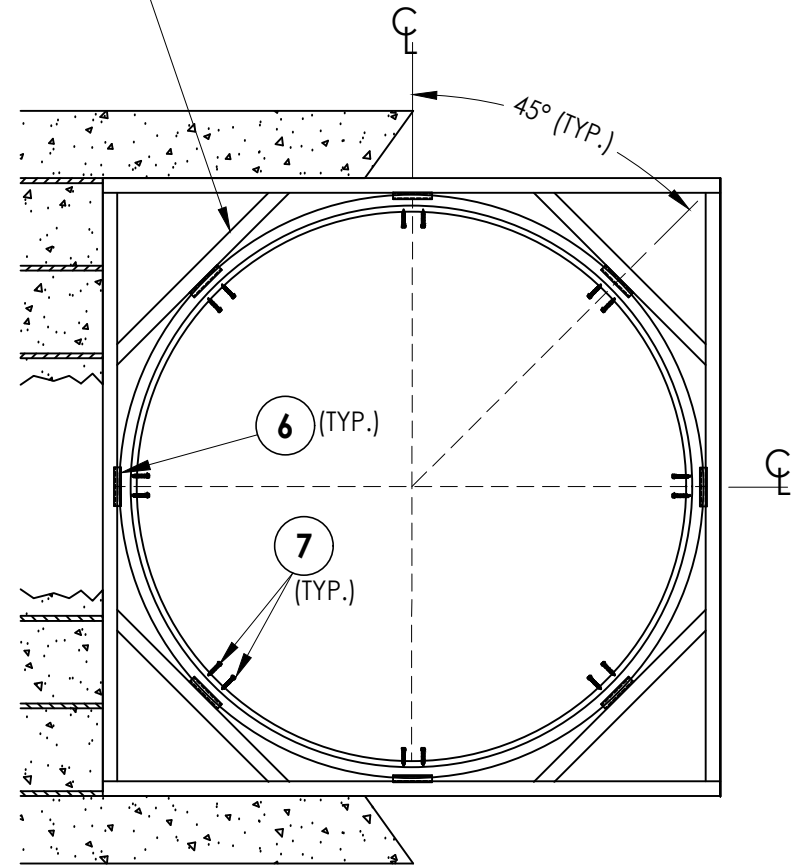
FRAME ANCHORING
2X Buck



FRAME ANCHORING
2X Buck

2X FRAMING TO BE DESIGNED BY THE
ENGINEER OR ARCHITECT OF RECORD.

2X FRAMING TO BE DESIGNED BY THE
ENGINEER OR ARCHITECT OF RECORD.



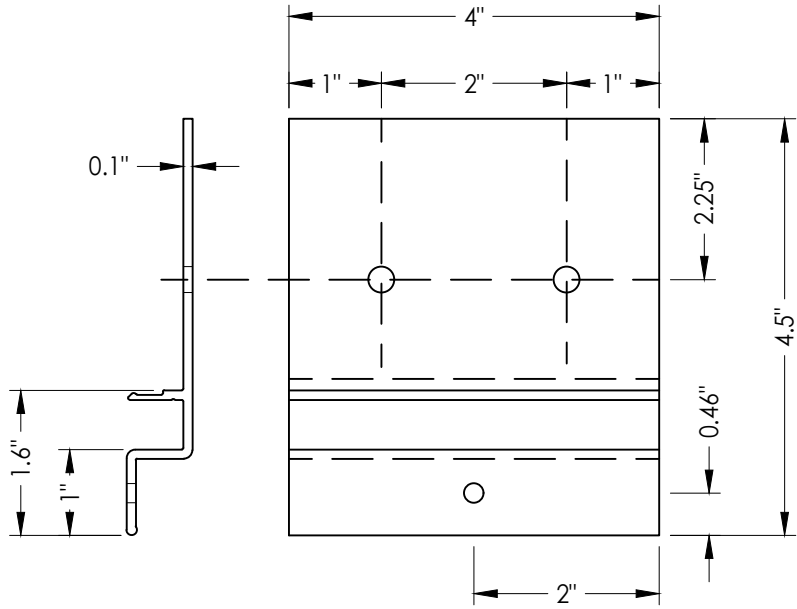
FRAME ANCHORING
2X Buck

CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a
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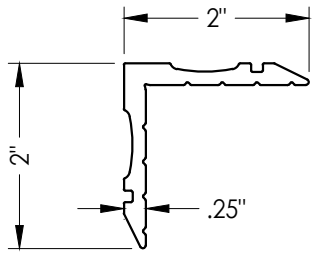
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		PRODUCT: J. SUSSMAN INC. 6400 SERIES WINDOW		PART OR ASSEMBLY: FRAME ANCHORING		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
5	7/07/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	NO.	DATE	REVISIONS
4	8/29/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	1	1/25/12	UPDATE TO 2010 FBC
3	8/26/20	UPDATE TO 7TH ED. (2020)	FBC	LFS	2	7/17/18	UPDATE TO 6TH ED. (2017)
2	7/17/18	UPDATE TO 6TH ED. (2017)	FBC	LFS	3	8/26/20	UPDATE TO 7TH ED. (2020)
1	1/25/12	UPDATE TO 2010 FBC	FBC	LFS	4	8/29/23	UPDATE TO 8TH ED. (2023)
DATE: 10/18/10				SCALE: N.T.S.			
DWG. BY: JK				CHK. BY: LFS			
DRAWING NO.: FL-14163.2				SHEET 4 OF 5			

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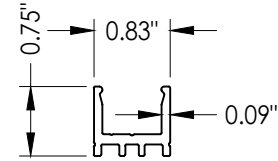
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	3/32" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
G	3/16" X 1-1/2" ITW CONCRETE SCREW	STEEL
1	FRAME (9/16" GLAZING)	ALUM/6063-T5
2	FRAME (1-5/16" GLAZING)	ALUM/6063-T5
4	CORNER KEY	ALUM/6063-T5
5	#10 X 3/8" PPH MACHINE SCREW	SS
6	ANCHOR STRAP (4" X 4-1/2")	ALUM/6063-T6
7	#14 X 1-1/2" HWH SMS (1-1/4" MIN. EMBEDMENT)	STEEL
8	#8 X 3/4" PPH SELF TAPPING SCREW	SS
9	#8 X 5/8" PPH SELF TAPPING SCREW	SS
11	GLAZING STOP COVER	ALUM/6063-T5
12	#8 X 5/8" PPH MACHINE SCREW	SS
13	GLAZING STOP (1-5/16" GLAZING)	ALUM/6063-T5
14	GLAZING STOP (9/16" GLAZING)	ALUM/6063-T5
15	GLAZING STOP (INTERIOR STAINED GLASS)	ALUM/6063-T5
17	#8 X 1" PPH SELF TAPPING SCREW	SS
21	DOW 995	SILICONE
22	BACKING ROD	FOAM



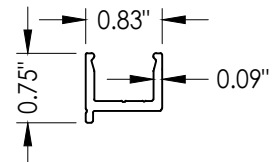
6 ANCHOR STRAP



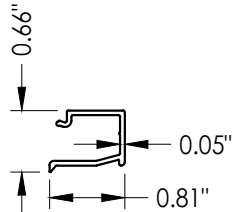
4 CORNER KEY



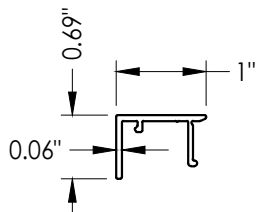
14 GLAZING STOP



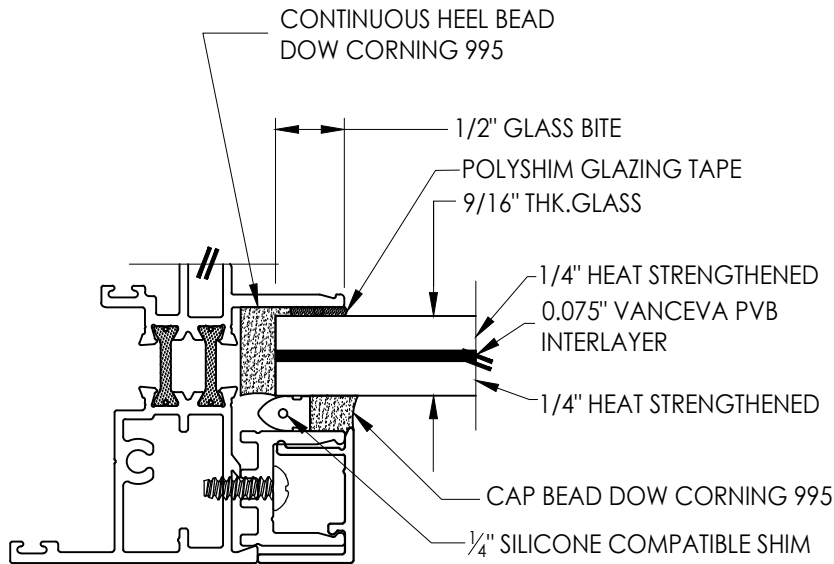
13 GLAZING STOP
1-5/16" Glazing



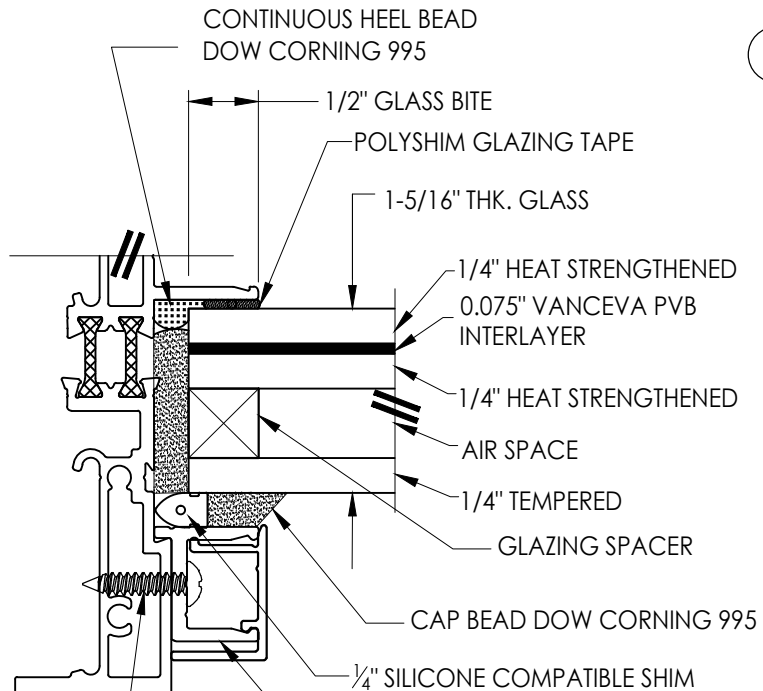
15 GLAZING STOP
Interior Stained Glass



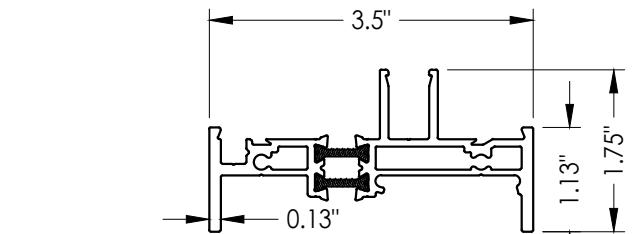
11 GLAZING STOP COVER



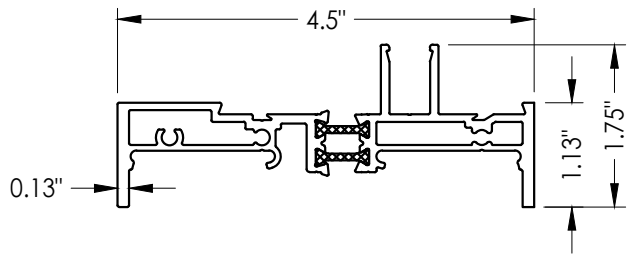
G1 GLAZING DETAIL



G2 GLAZING DETAIL



1 FRAME



2 FRAME
1-5/16" Glazing

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6400 SERIES WINDOW

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FBPE Registry No. 9813

PART OR ASSEMBLY:
BILL OF MATERIALS, GLAZING
DETAIL AND COMPONENTS

NO.	DATE	REVISIONS					
		DATE	BY	KV	LFS	DAC	LFS
5	7/07/26	UPDATE TO 9TH ED. (2026)	FBC				
4	8/29/23	UPDATE TO 8TH ED. (2023)	FBC				
3	8/26/20	UPDATE TO 7TH ED. (2020)	FBC				
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SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-14163.2							
SHEET 5 OF 5							