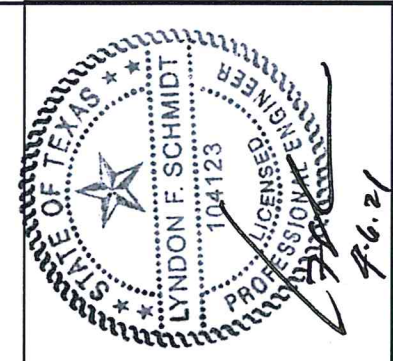


**COASTAL  
PERFORMANCE™**  
by Sunrise Windows, LTD.

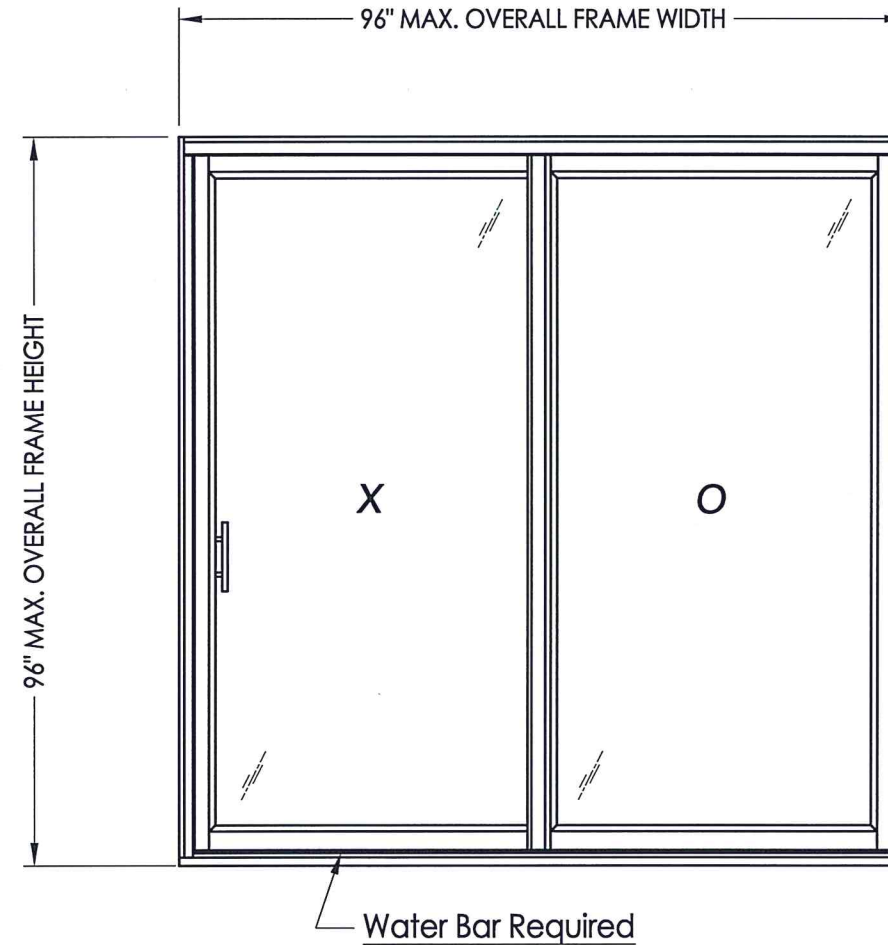
# Coastal Performance Sliding Patio Door "IMPACT"



Documents Prepared By: Lyndon F. Schmidt, P.E.  
TEXAS P.E. #104123

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230 Valrico FL, 33595  
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TEXAS BOARD OF PROFESSIONAL ENGINEERS  
CERTIFICATE OF REGISTRATION # F-11852



**EVALUATED FOR USE IN THE STATE OF TEXAS**

The Sliding Patio Door described herein complies with the 2018 International Residential Code (IRC), Sections R301 & R609 and the 2018 International Building Code (IBC), Sections 1404.13, 1609, 1709.5, 2403 and 2404 subject to the following conditions:

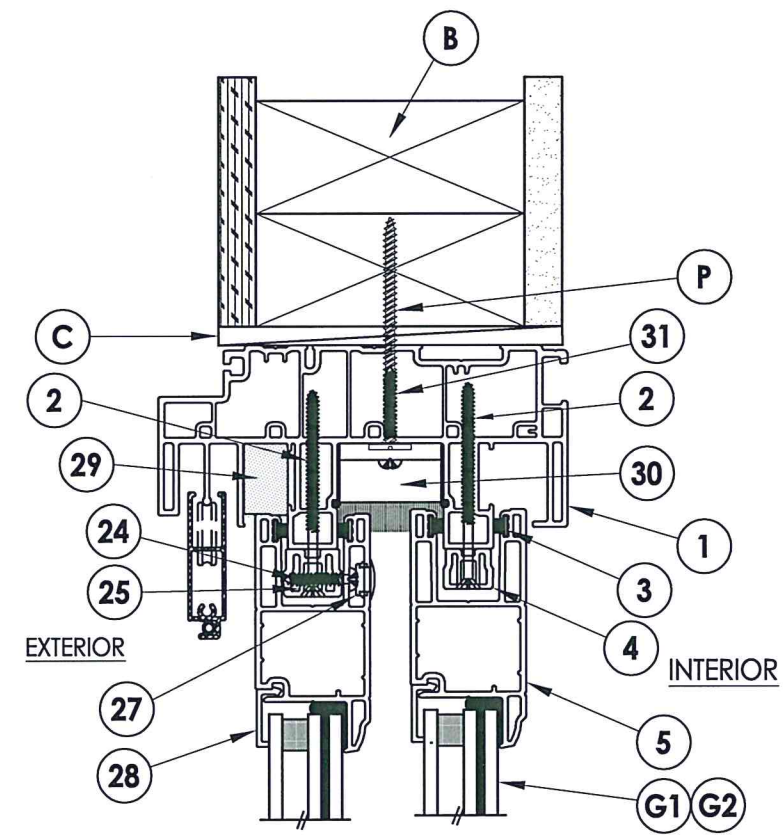
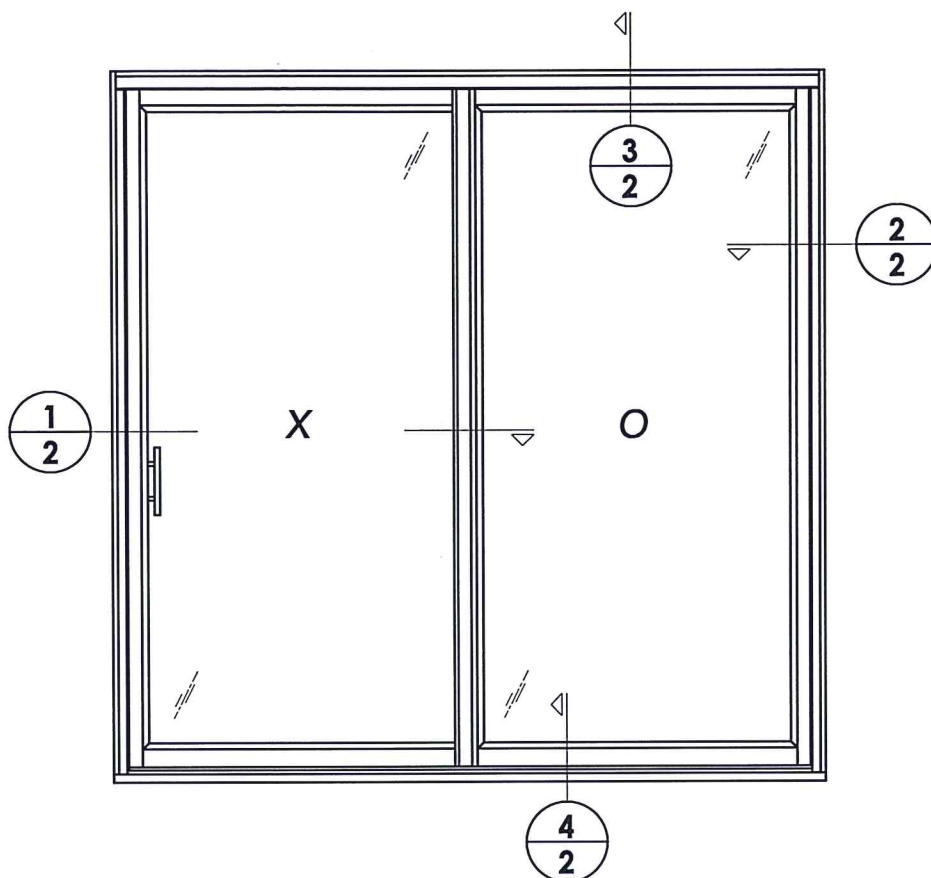
1. Anchors shall be as listed and spaced as shown in the details. Anchor embedment to base material shall be beyond roof covering.
2. When used in areas requiring wind-borne debris protection, this product complies with Section R301.2.1.2 of the IRC and Section 1609.2 of the IBC and does not require impact protection. This product meets missile level "D" and includes Wind Zone 3 as defined in ASTM E 1996.
3. Allowable design pressure requirements must be equal to or less than the design pressure rating shown in the design pressure chart, sheet 1 of this drawing.
4. Conditions not covered by this drawing are subject to further engineering analysis.

OVERALL FRAME DIMENSION	MAX. PANEL DIMENSION	MAX. D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
96.0" X 96.0"	48.63" X 91.75"	41.63" X 85.5"	G1, G2	+50.0	-50.0

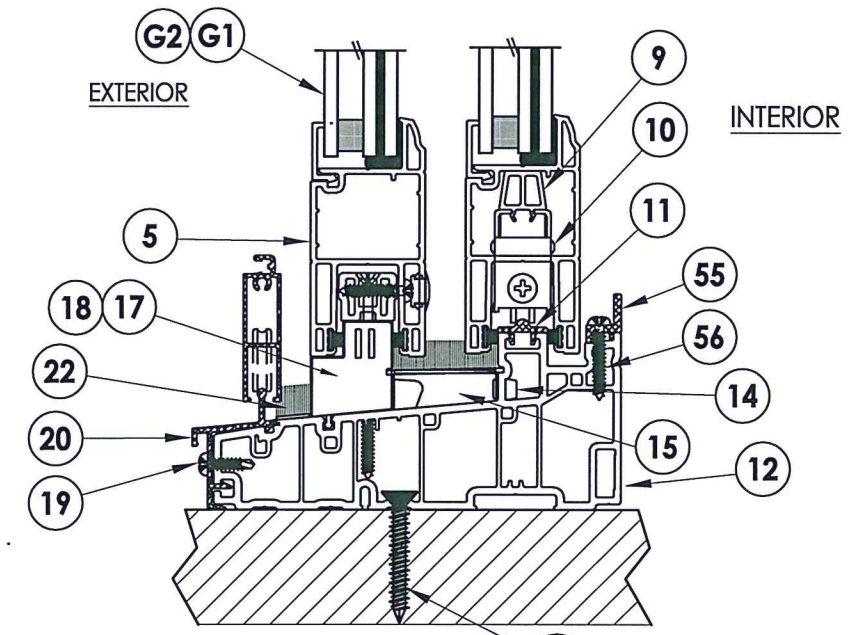
TABLE OF CONTENTS	
SHEET#	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal & vertical cross sections
3	Frame anchoring
4	Components
5	Bill of materials & glazing detail

PRODUCT: SUNRISE WINDOWS	
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
NO.	DATE
BY	REVISIONS
DATE:	3/04/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	TX-5165
SHEET	1 OF 5

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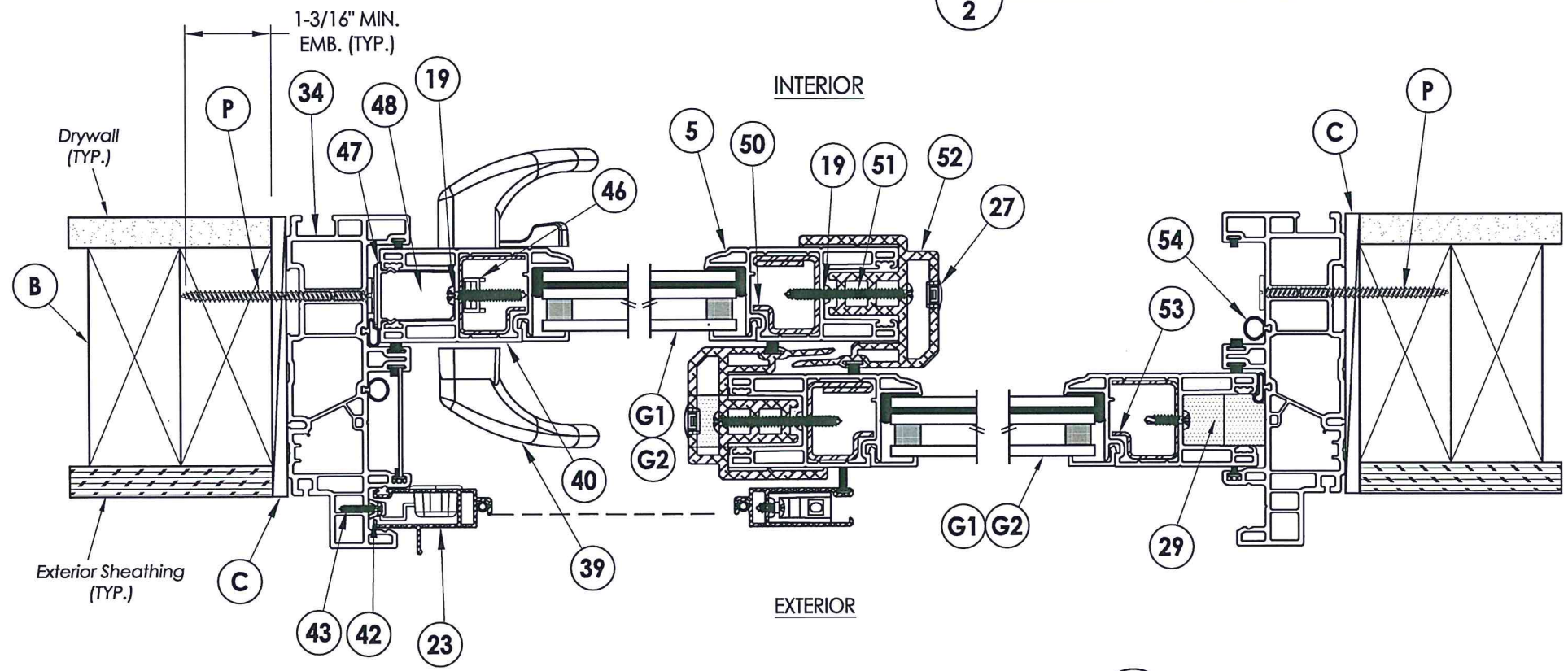


3/2 VERTICAL CROSS SECTION



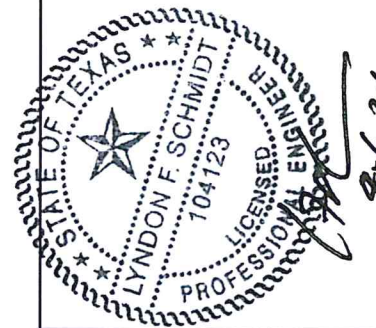
4/2 VERTICAL CROSS SECTION

F WOOD  
G CONCRETE



1/2 HORIZONTAL CROSS SECTION

2/2 HORIZONTAL CROSS SECTION



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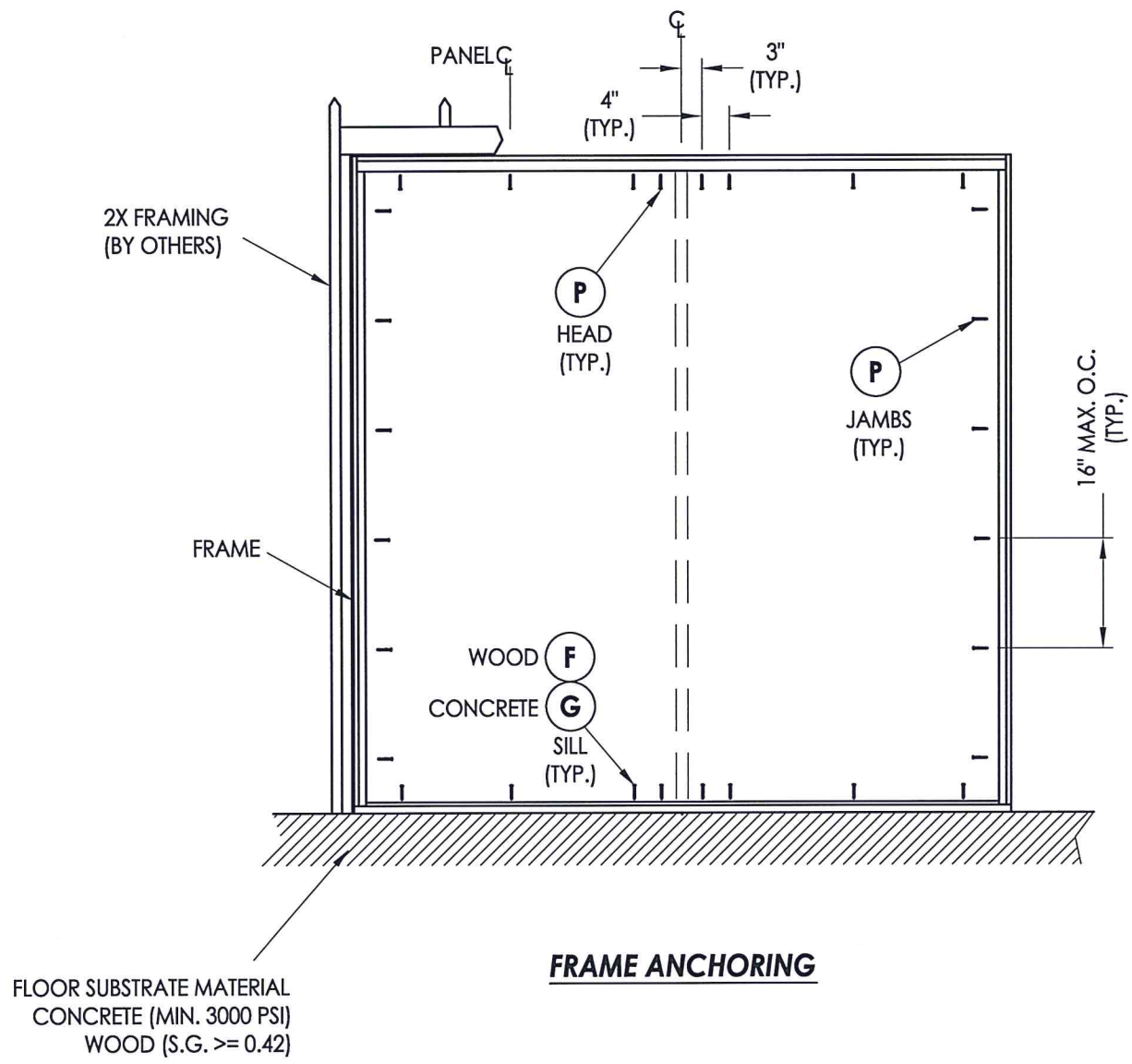
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CERTIFICATE OF REGISTRATION # F-11852

PRODUCT:	SUNRISE WINDOWS
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

NO.	DATE	BY

DATE:	3/04/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	TX-5165
SHEET	2 OF 5

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**FRAME ANCHORING**

FLOOR SUBSTRATE MATERIAL  
 CONCRETE (MIN. 3000 PSI)  
 WOOD (S.G. >= 0.42)

**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"	1-3/4"	1-1/2"	4"
DeWALT ULTRACON®	1/4"	1-3/4"	2-1/2"	4"

**WOOD SCREW INSTALLATION NOTES:**

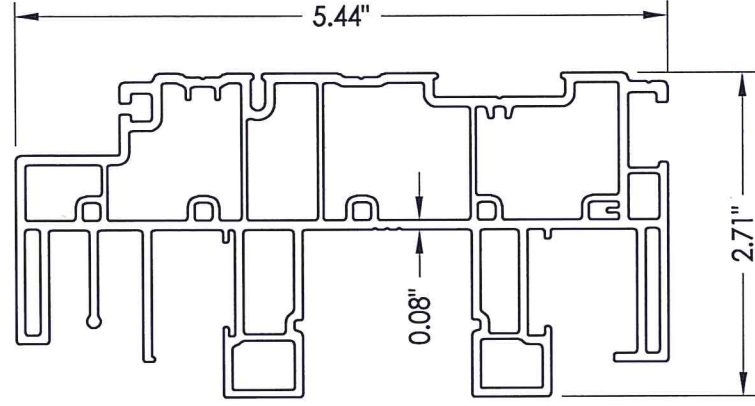
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



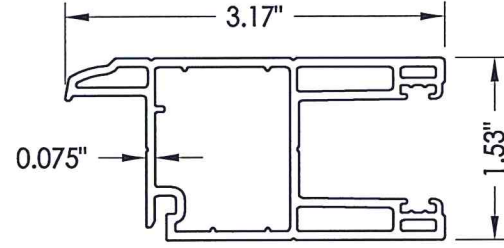
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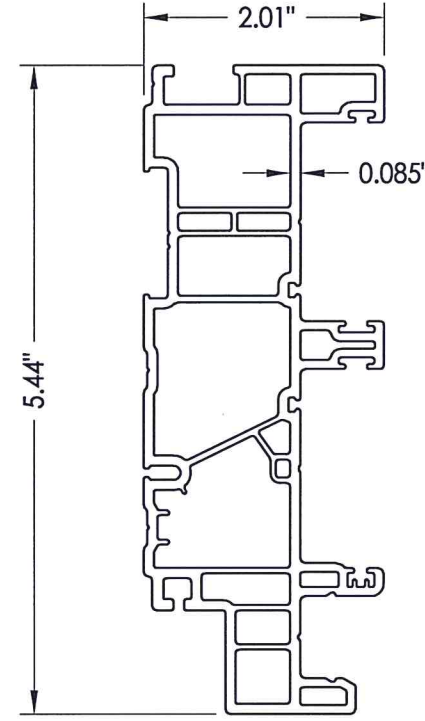
PRODUCT:		SUNRISE WINDOWS	
PART OR ASSEMBLY:		FRAME ANCHORING	
NO.	DATE	BY	
		REVISIONS	
DATE: 3/04/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: TX-5165			
SHEET 3 OF 5			



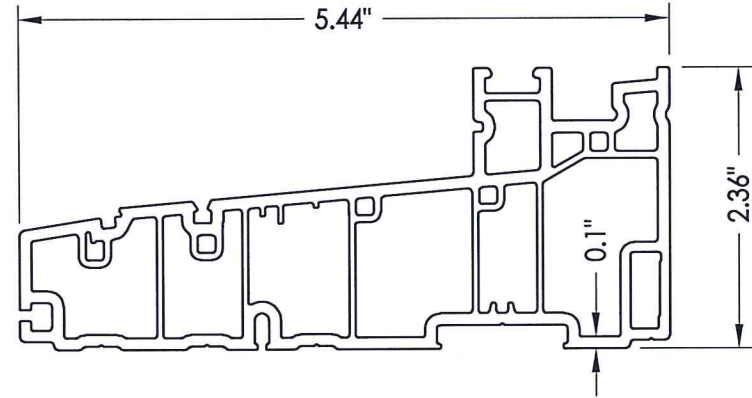
**1** FRAME HEAD



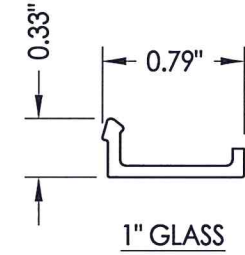
**5** STILE & RAIL



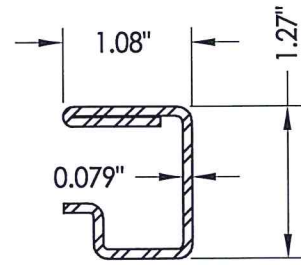
**34** FRAME JAMB



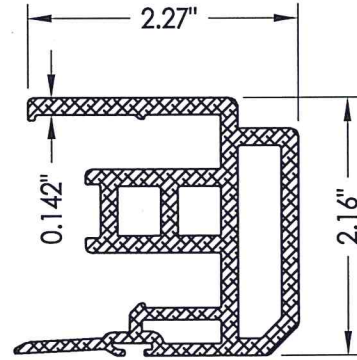
**12** FRAME SILL



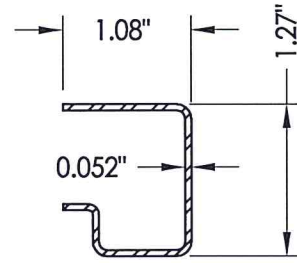
**28** GLAZING BEAD



**50** REINFORCEMENT Meeting Stile



**52** INTERLOCK



**53** REINFORCEMENT Stile



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PRODUCT:	SUNRISE WINDOWS
PART OR ASSEMBLY:	COMPONENTS

NO.	DATE	BY	REVISIONS

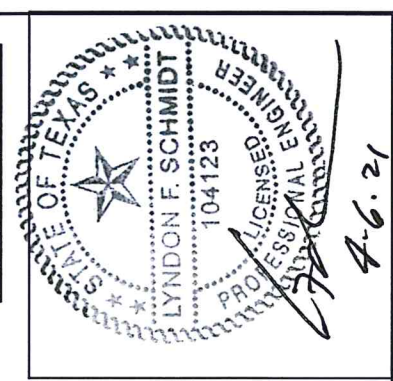
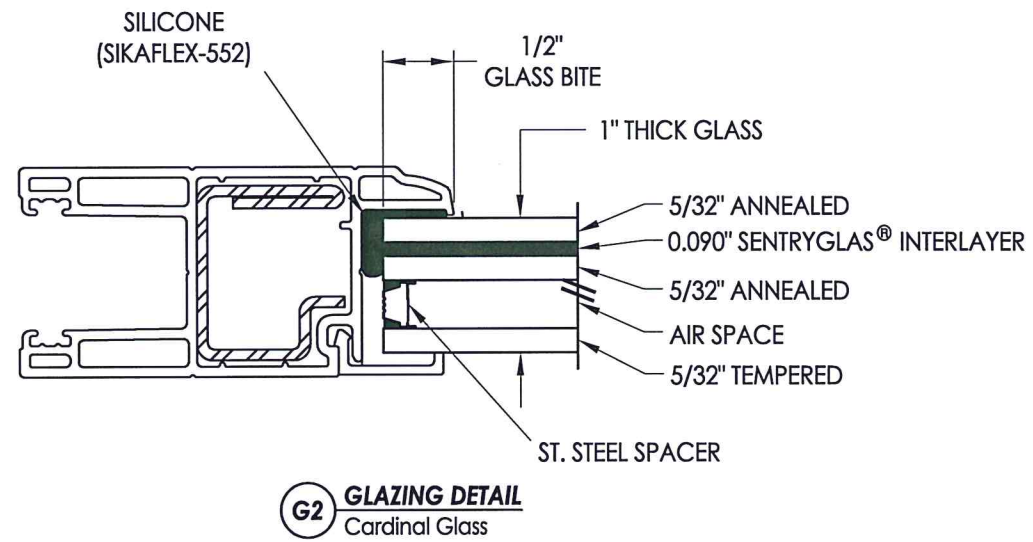
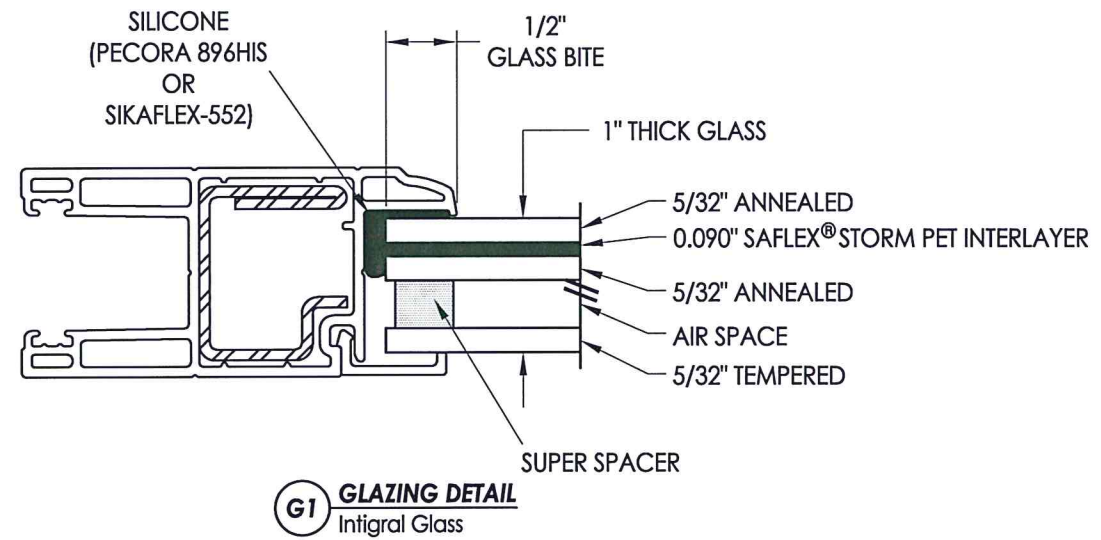
DATE:	3/04/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	TX-5165
SHEET	4 OF 5

BILL OF MATERIALS

Table with 3 columns: ITEM #, DESCRIPTION, MATERIAL. Lists items 1-48 including frame head, screws, weatherstrip, glass, and hardware.

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

Table with 3 columns: ITEM #, DESCRIPTION, MATERIAL. Lists items 50-56 including stiles, screws, interlock, weatherstrip, water bar, and PPH SMS.



Documents Prepared By: Lyndon F. Schmidt, P.E. TEXAS P.E. #104123. R.W. BUILDING CONSULTANTS, INC. P.O. Box 230 Vairico FL 33595 Phone No.: 813.659.9197

Table with columns: PRODUCT (SUNRISE WINDOWS), PART OR ASSEMBLY (BILL OF MATERIALS & GLAZING DETAIL), REVISIONS (NO., DATE, BY), and other metadata like DATE (3/04/21), SCALE (N.T.S.), DWG. BY (RW), CHK. BY (LFS), DRAWING NO. (TX-5165), SHEET (5 OF 5).

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