	REVISIONS								
F	REV	DESCRIPTION	DATE	APPROVED					

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2018 IBC AND 2018 IRC.
- 2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
- 4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
- 5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
- 6. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 7. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
- 8. SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
- 10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 11. FRAME MATERIAL: EXTRUDED RIGID PVC.
- 12. UNITS MUST BE GLAZED PER ASTM E1300, SEE PAGE 4 FOR GLAZING DETAILS.
- 13. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 14. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

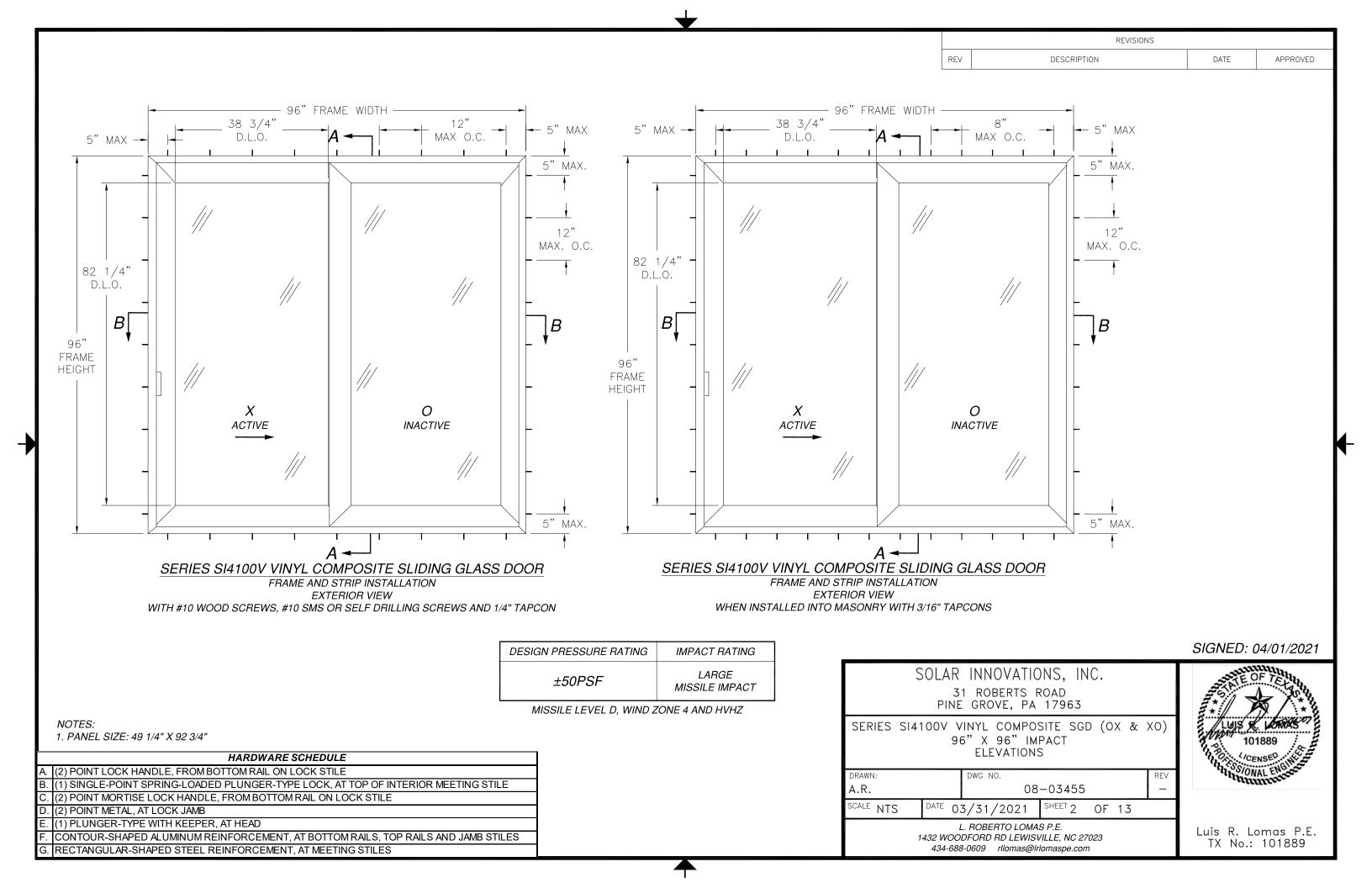
- 15. FOR ANCHORING INTO MASONRY/CONCRETE USE 3/16" OR 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 16. FOR ANCHORING INTO METAL STRUCTURE USE #10 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 17. ALL FASTENERS TO BE CORROSION RESISTANT.
- 18. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW: A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
  - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

  - C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
- D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 .125" THICK MINIMUM
- 19. APPROVED CONFIGURATIONS: OX, XO.

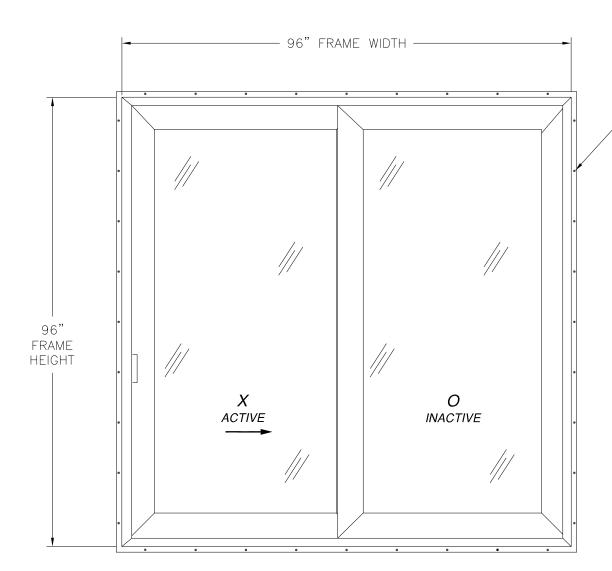
SIGNED: 04/01/2021

	SOLAR INNOVATIONS, INC.  31 ROBERTS ROAD PINE GROVE, PA 17963					TE OF TENNES		
	TABLE OF CONTENTS	SERIES SI4		/INYL COMPO		OX &	XO)	LUIS K LOWNES
SHEET NO.	DESCRIPTION		96" X 96" IMPACT NOTES			101889 25 1000 (/CENSE) 25		
1	NOTES	DRAWN:		DWG NO.			REV	Nasoonal English
2 - 3	ELEVATION	A.R.		08	-03455		_	· · · · · · · · · · · · · · · · · · ·
4 - 5	CROSS SECTIONS, B.O.M. AND GLAZING DETAIL	SCALE NTS	DATE 0	3/31/2021	SHEET 1	OF 13		
6 - 12	INSTALLATION DETAILS	L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com				Luis R. Lomas P.E.		
13	COMPONENTS				TX No.: 101889			





	REVISIONS		
REV	DESCRIPTION	DATE	APPROVED



- ANCHOR SPACING TO BE DETERMINED BY INSTALLER THIS IS A TEMPORARY INSTALLATION

SERIES SI4100V VINYL COMPOSITE SLIDING GLASS DOOR
FIN INSTALLATION IS FOR TEMPORARY PURPOSES ONLY.
ALL STRUCTURAL CONNECTIONS MUST BE INSTALLED AS SHOWN IN SHEET 2
EXTERIOR VIEW

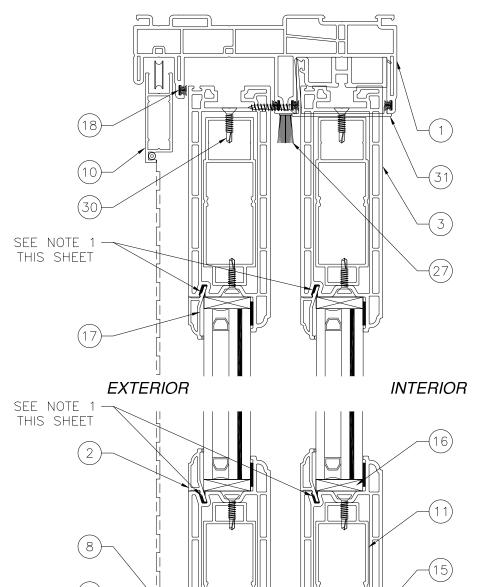
SIGNED: 04/01/2021

	S	OLAR	INNOVATIO	NS, IN	1C.		
	31 ROBERTS ROAD PINE GROVE, PA 17963						
- 1		FINE	GROVE, FA	1/903			
	SERIES SI4100V VINYL COMPOSITE SGD (OX & XO) 96" X 96" IMPACT						
	FIN ELEVATION (FOR TEMPORARY PURPOSES ONLY)						
	DRAWN:		DWG NO.			REV	
	A.R.		08-03455 -			_	
	SCALE NTS	DATE 0	3/31/2021	SHEET 3	OF 13		
	L. ROBERTO LOMAS P.E.  1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com						L



Luis R. Lomas P.E. TX No.: 101889

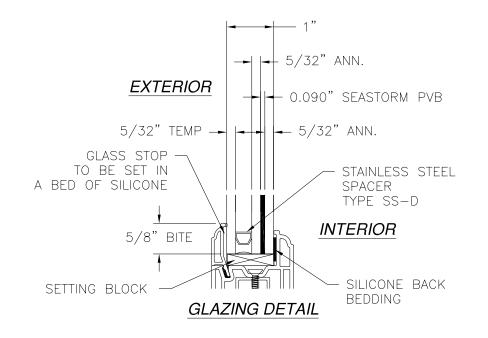
	PARTS LIST						
NO.	PART NUMBER	DESCRIPTION					
1	S003	FRAME, PVC					
2	S021	1" GLAZING BEAD, PVC					
3	S017	SASH, PVC					
4	S008	SUPPORT BLOCK, PVC					
5	S018	SILL ADAPTER, PVC					
6	7059	SCREEN ADAPTER					
7	S084	SNAP-ON MEETING RAIL, PVC					
8		SILL (ALUMINUM 6063-T5)					
9		SASH RAIL (ALUMINUM 6063-T5)					
10		SCREEN (ALUMINUM 6063-T5)					
11		ROLLER SUPPORT (ALUMINUM 6063-T5)					
12		SASH REINFORCEMENT (ALUMINUM)					
13		SCREEN ROLLER					
14	110-2550-10	WEEP COVER (RO-MAI)					
15		TANDEM ROLLER					
16		SETTING BLOCK (1"X.25"X2" 80 DUROMETER)					
17		SEALANT DOW 995 (DOW CORNING)					
18	HF-7320-187	WEATHER STRIP (SCHLEGEL)					
19	SS-6945	WEATHERSTRIP (SCHLEGEL)					
20		SCREEN HANDLE INTERIOR AND EXTERIOR					
21		SCREEN KEEPER					
22	893-0003	SASH KEEPER (ROYALPLAST)					
23		SASH HANDLE INTERIOR AND EXTERIOR (FASCO)					
24		SCREEN KEEPER SCREWS FH # 6 X 1/2"					
25		SASH KEEPER SCREWS FH #8 X 5/8"					
26		FIXED SASH SCREWS FH #6 X 1"					
27	T5927AMW	6" WEATHERSTRIP (ULTRAFAB)					
28	EAQ705	SCREW PLUG					
29	S030	LOCK SIDE MOLDING					
30		REINFORCEMENT SCREWS SMS #8 X 3/4"					
31	S029	SASH STOP					
32	PB-8322-187	WEATHERSTRIP (SCHLEGEL)					
33		MEETING RAIL REINFORCEMENT (STEEL)					
34		MEETING RAIL SCREWS FH #6 X 3/4"					
35		INSTALLATION STRIP					



SECTION A-A



## FOR ILLUSTRATION PURPOSES ONLY FOR INSTALLATION DETAILS REFER TO SHEETS 6 - 12



NOTES: 1. INSTALL SILICONE 4" @ CORNERS BEFORE INSERTING GLAZING BEAD

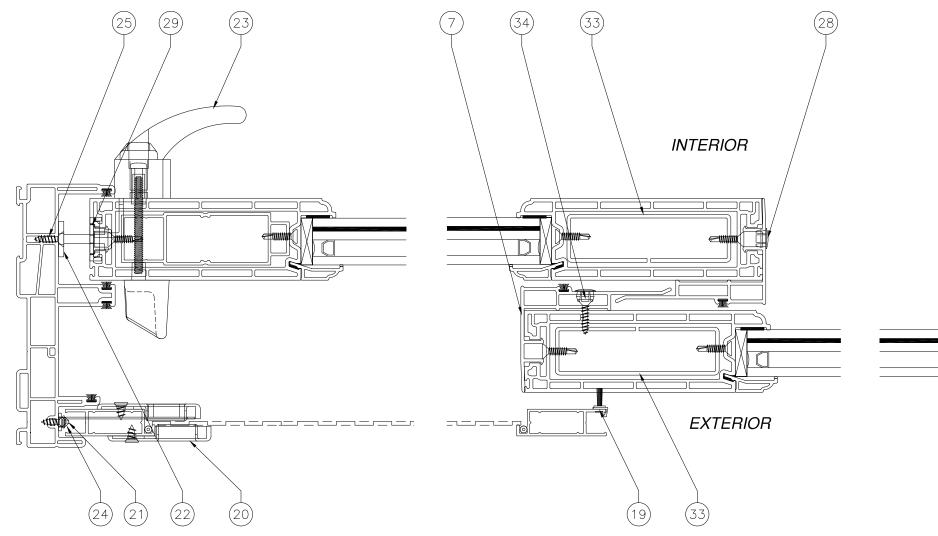
SIGNED: 04/01/2021

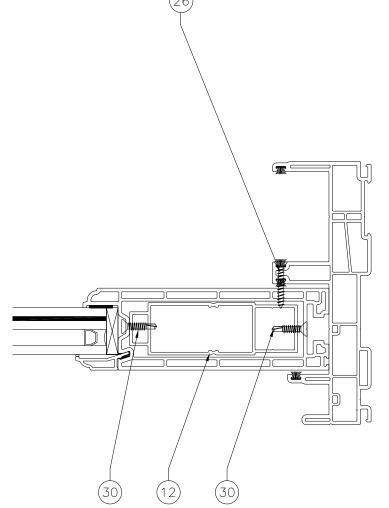




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## SECTION B-B

SIGNED: 04/01/2021

	SOLAR INNOVATIONS, INC. 31 roberts road pine grove, pa 17963							
	SERIES SI4100V VINYL COMPOSITE SGD (OX & XO) 96" X 96" IMPACT CROSS SECTIONS							
ı	DRAWN:		DWG NO.				REV	
ı	A.R.		08-03455 -					
	SCALE NTS	DATE 0	3/31/2021	SHEET 5	OF	13		
	L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com							



Luis R. Lomas P.E. TX No.: 101889

