

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	11/11/2020	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
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 5 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 .048" THICK MINIMUM
19. APPROVED CONFIGURATIONS: OX, XO.

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2 – 3	ELEVATION
4	DESIGN PRESSURE CHARTS
5 – 6	CROSS SECTIONS, B.O.M. AND GLAZING DETAIL
7 – 13	INSTALLATION DETAILS
14	COMPONENTS

SOLAR INNOVATIONS, INC.
31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI4100V VINYL COMPOSITE SGD (OX & XO)
96" X 96" IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03242

REV
A

SCALE NTS

DATE 04/19/18

SHEET 1 OF 14

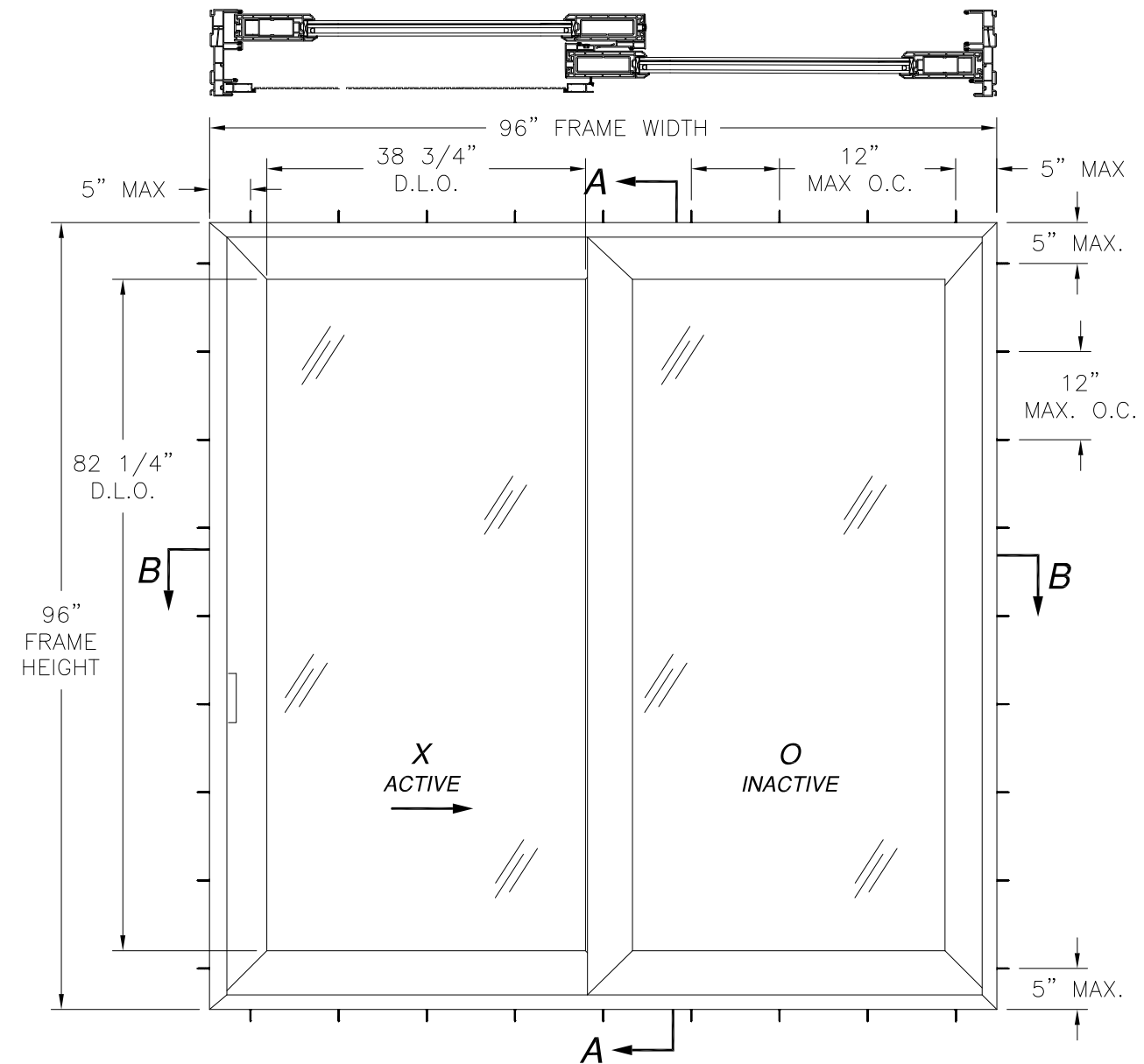
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1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 11/11/2020

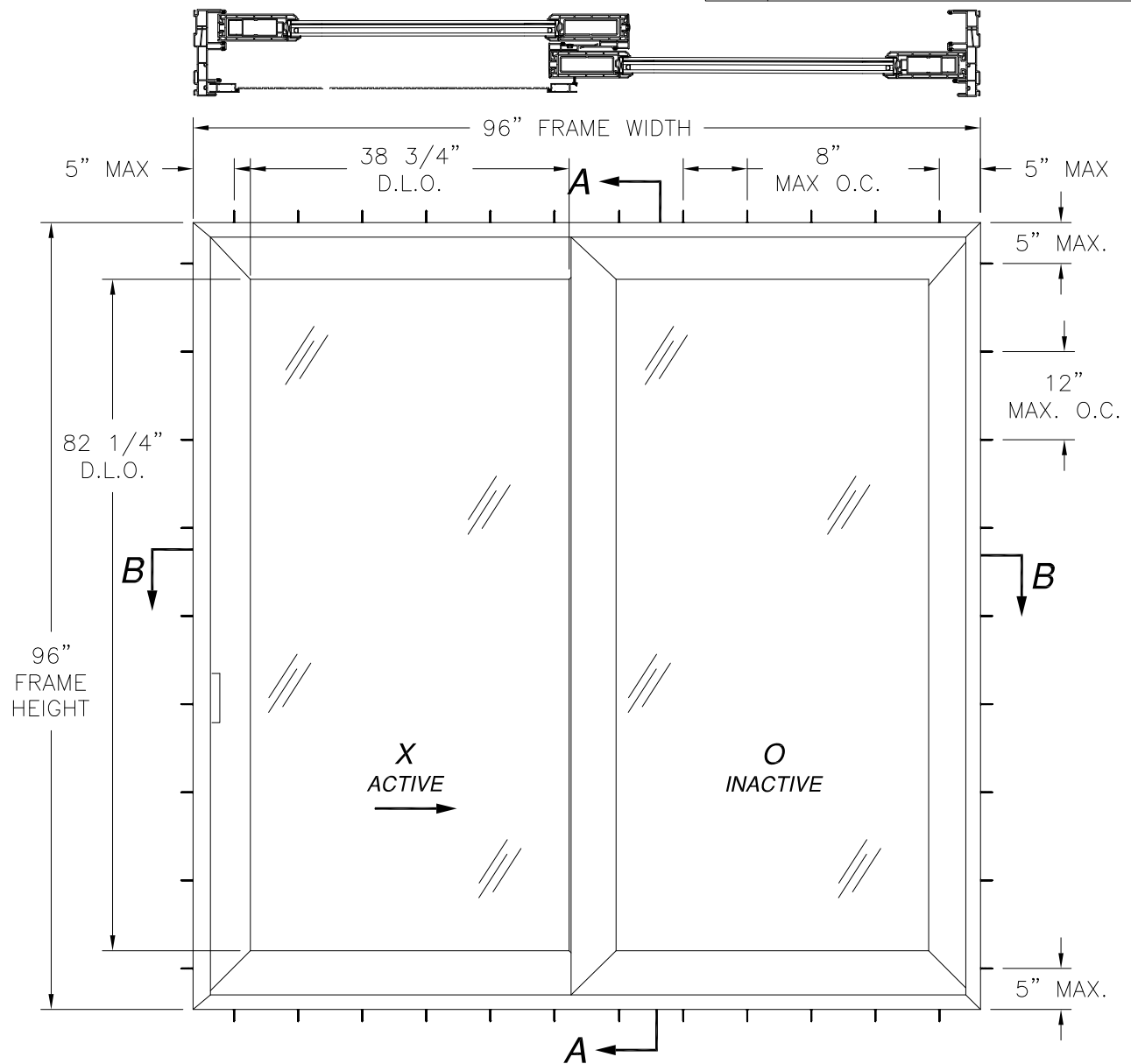


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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SERIES SI4100V VINYL COMPOSITE SLIDING GLASS DOOR
FRAME AND STRIP INSTALLATION
EXTERIOR VIEW
WITH #10 WOOD SCREWS, #10 SMS OR SELF DRILLING SCREWS AND 1/4" TAPCON



SERIES SI4100V VINYL COMPOSITE SLIDING GLASS DOOR
FRAME AND STRIP INSTALLATION
EXTERIOR VIEW
WHEN INSTALLED INTO MASONRY WITH 3/16" TAPCONS

SIGNED: 11/11/2020

NOTES:
1. PANEL SIZE: 49 1/4" X 92 3/4"

HARDWARE SCHEDULE	
A.	(2) POINT LOCK HANDLE, FROM BOTTOM RAIL ON LOCK STILE
B.	(1) SINGLE-POINT SPRING-LOADED PLUNGER-TYPE LOCK, AT TOP OF INTERIOR MEETING STILE
C.	(2) POINT MORTISE LOCK HANDLE, FROM BOTTOM RAIL ON LOCK STILE
D.	(2) POINT METAL, AT LOCK JAMB
E.	(1) PLUNGER-TYPE WITH KEEPER, AT HEAD
F.	CONTOUR-SHAPED ALUMINUM REINFORCEMENT, AT BOTTOM RAILS, TOP RAILS AND JAMB STILES
G.	RECTANGULAR-SHAPED STEEL REINFORCEMENT, AT MEETING STILES

DESIGN PRESSURE RATING	IMPACT RATING
±50PSF	LARGE MISSILE IMPACT

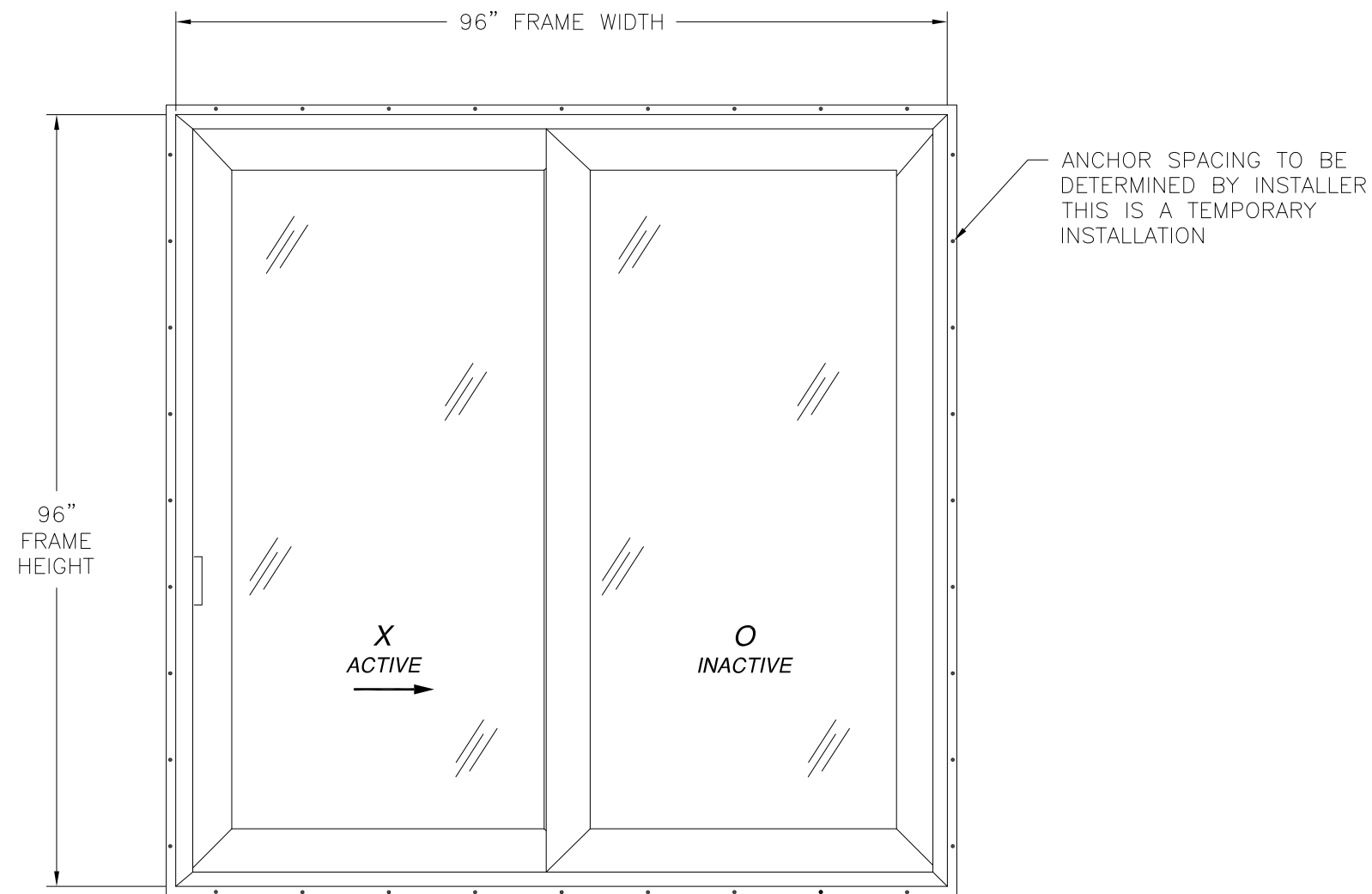
MISSILE LEVEL D, WIND ZONE 4 AND HVHZ
OX AND XO CONFIGURATIONS ARE QUALIFIED.
49 1/4" X 92 3/4" PANEL SHOWN. OTHER PANEL SIZES
ARE QUALIFIED AS LONG AS INDIVIDUAL PANEL AREA
DOES NOT EXCEED 31.72 FT²
SEE CHART #1, #2 AND #3, SHEET 3

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI4100V VINYL COMPOSITE SGD (OX & XO) 96" X 96" IMPACT ELEVATIONS		
DRAWN: A.R.	DWG NO. 08-03242	REV A
SCALE NTS	DATE 04/19/18	SHEET 2 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



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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: 11/11/2020

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963			
SERIES SI4100V VINYL COMPOSITE SGD (OX & XO) 96" X 96" IMPACT FIN ELEVATION (FOR TEMPORARY PURPOSES ONLY)			
DRAWN: A.R.	DWG NO. 08-03242	REV A	
SCALE NTS	DATE 04/19/18	SHEET 3 OF 14	
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com			

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Chart #1																		
Maximum Design pressure (psf)																		
Panel Height (in)	Single Panel Width (in)																	
	24.00		27.00		30.00		33.00		36.00		39.00		42.00		45.00		49.25	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
80.00	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
84.00	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
90.00	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
92.75	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
96.00	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.1	48.1	-	-
102.00	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	48.2	48.2	44.9	44.9	42.1	42.1	-	-	-	-
108.00	50.0	50.0	50.0	50.0	47.8	47.8	43.7	43.7	40.4	40.4	37.5	37.5	35.2	35.2	-	-	-	-
114.00	50.0	50.0	44.7	44.7	40.5	40.5	37.0	37.0	34.1	34.1	31.7	31.7	-	-	-	-	-	-
120.00	42.9	42.9	38.3	38.3	34.6	34.6	31.6	31.6	29.2	29.2	-	-	-	-	-	-	-	-
126.00	37.0	37.0	33.0	33.0	29.8	29.8	27.2	27.2	25.1	25.1	-	-	-	-	-	-	-	-
132.00	32.1	32.1	28.6	28.6	25.9	25.9	23.6	23.6	-	-	-	-	-	-	-	-	-	-
138.00	28.1	28.1	25.0	25.0	22.6	22.6	20.6	20.6	-	-	-	-	-	-	-	-	-	-
144.00	24.7	24.7	22.0	22.0	19.9	19.9	-	-	-	-	-	-	-	-	-	-	-	-

Chart #2																		
Number of anchor locations required																		
Frame Height (in)	Frame Unit Width (in)																	
	45.50		51.50		57.50		63.50		69.50		75.50		81.50		87.50		96.00	
	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb
80.00	4	7	5	7	5	7	6	7	6	7	7	7	7	7	8	7	9	7
84.00	4	8	5	8	5	8	6	8	6	8	7	8	7	8	8	8	9	8
90.00	4	8	5	8	5	8	6	8	6	8	7	8	7	8	8	8	9	8
92.75	4	8	5	8	5	8	6	8	6	8	7	8	7	8	8	8	9	8
96.00	4	9	5	9	5	9	6	9	6	9	7	9	8	9	8	9	-	-
102.00	4	9	5	9	6	9	6	9	7	9	7	9	7	9	-	-	-	-
108.00	5	10	5	10	6	10	6	10	6	10	7	10	7	10	-	-	-	-
114.00	5	10	5	10	5	10	6	10	6	10	7	10	-	-	-	-	-	-
120.00	4	11	5	11	5	11	6	11	6	11	-	-	-	-	-	-	-	-
126.00	4	11	5	11	5	11	6	11	6	11	-	-	-	-	-	-	-	-
132.00	4	12	5	12	5	12	6	12	-	-	-	-	-	-	-	-	-	-
138.00	4	12	5	12	5	12	6	12	-	-	-	-	-	-	-	-	-	-
144.00	4	13	5	13	5	13	-	-	-	-	-	-	-	-	-	-	-	-

Chart #3																		
Number of anchor locations required, for 3/16" Tapcons only																		
Frame Height (in)	Frame Unit Width (in)																	
	45.50		51.50		57.50		63.50		69.50		75.50		81.50		87.50		96.00	
	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb	H&S	Jamb
80.00	6	7	7	7	7	7	8	7	9	7	10	7	10	7	11	7	12	7
84.00	6	8	7	8	7	8	8	8	9	8	10	8	10	8	11	8	12	8
90.00	6	8	7	8	7	8	8	8	9	8	10	8	10	8	11	8	12	8
92.75	6	8	7	8	7	8	8	8	9	8	10	8	10	8	11	8	12	8
96.00	6	9	7	9	7	9	8	9	9	9	10	9	10	9	11	9	-	-
102.00	6	9	7	9	7	9	8	9	9	9	10	9	10	9	-	-	-	-
108.00	6	10	7	10	7	10	8	10	9	10	10	10	10	10	-	-	-	-
114.00	6	10	7	10	7	10	8	10	9	10	10	10	-	-	-	-	-	-
120.00	6	11	7	11	7	11	8	11	9	11	-	-	-	-	-	-	-	-
126.00	6	11	7	11	7	11	8	11	9	11	-	-	-	-	-	-	-	-
132.00	6	12	7	12	7	12	8	12	-	-	-	-	-	-	-	-	-	-
138.00	6	12	7	12	7	12	8	12	-	-	-	-	-	-	-	-	-	-
144.00	6	13	7	13	7	13	-	-	-	-	-	-	-	-	-	-	-	-

SOLAR INNOVATIONS, INC.
31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI4100V VINYL COMPOSITE SGD (OX & XO)
96" X 96" IMPACT
DESIGN PRESSURE CHARTS

DRAWN:
A.R.

DWG NO.
08-03242

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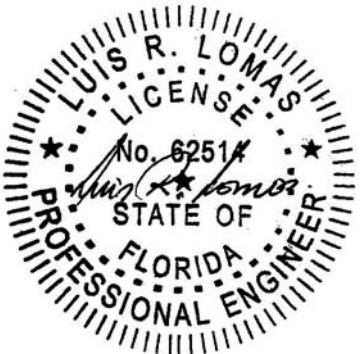
SCALE NTS

DATE 04/19/18

SHEET 4 OF 14

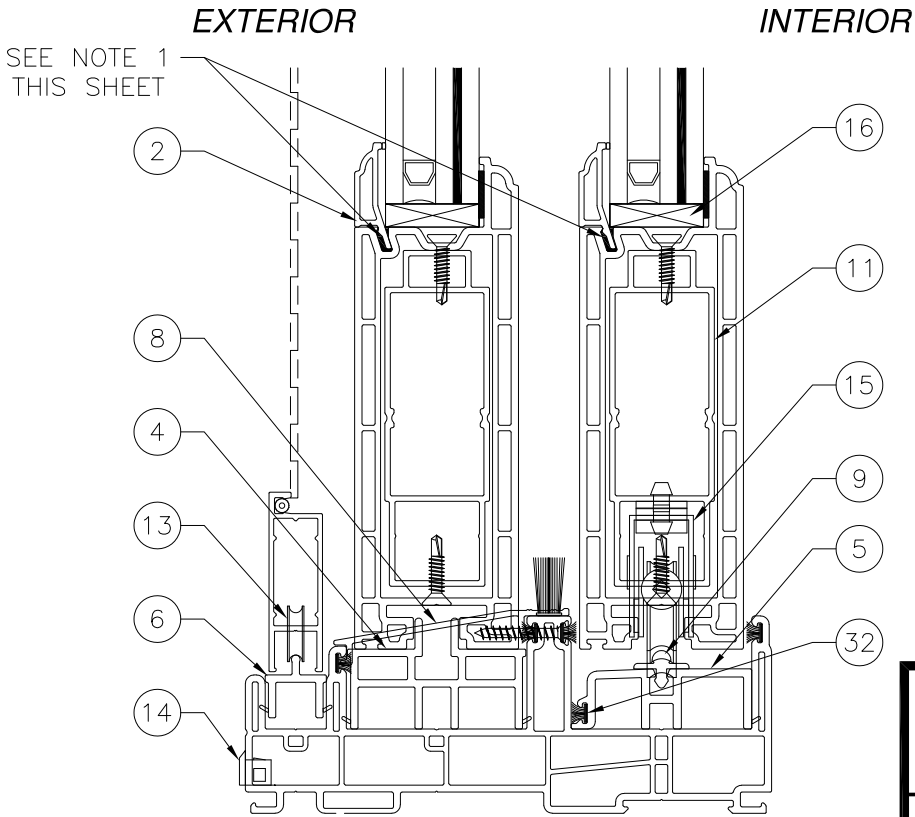
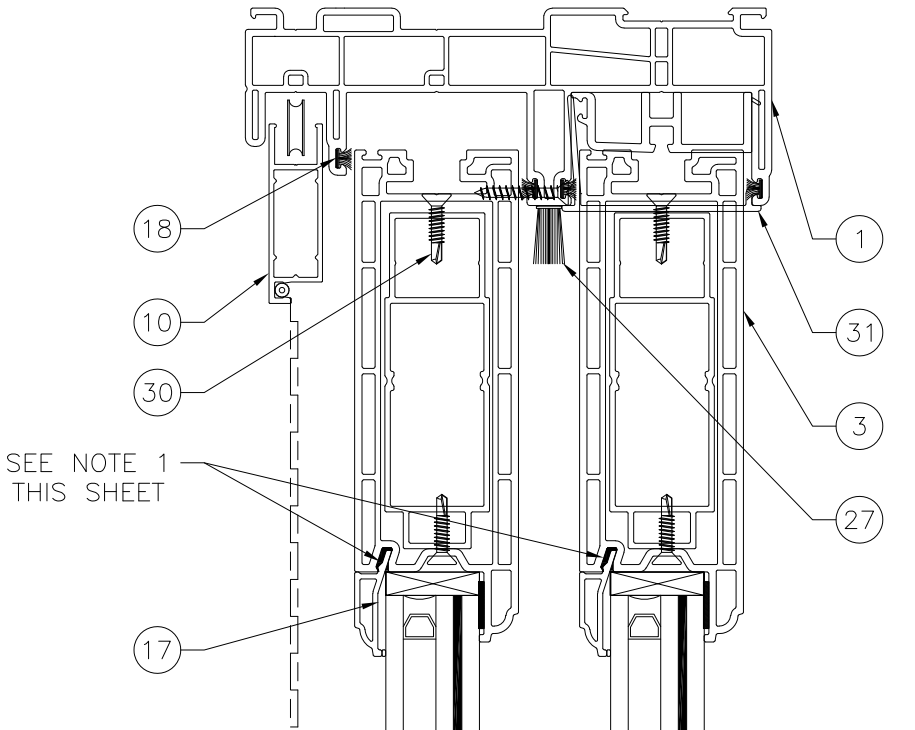
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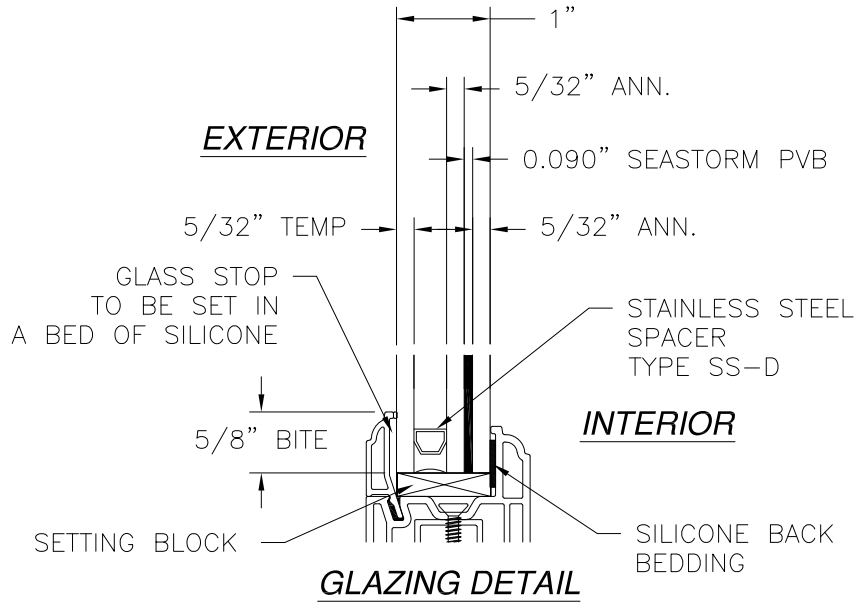
Luis R. Lomas P.E.
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PARTS LIST		
NO.	PART NUMBER	DESCRIPTION
1	S003	FRAME, PVC
2	S021	1" GLAZING BEAD, PVC
3	S017	SASH, PVC
4	S008	SUPPORT BLOCK, PVC
5	S018	SILL ADAPTER, PVC
6	7059	SCREEN ADAPTER
7	S084	SNAP-ON MEETING RAIL, PVC
8		SILL (ALUMINUM 6063-T5)
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 5 - 10



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

SIGNED: 11/11/2020

SOLAR INNOVATIONS, INC.
31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI4100V VINYL COMPOSITE SGD (OX & XO)
96" X 96" IMPACT
CROSS SECTIONS, B.O.M. AND GLAZING DETAIL

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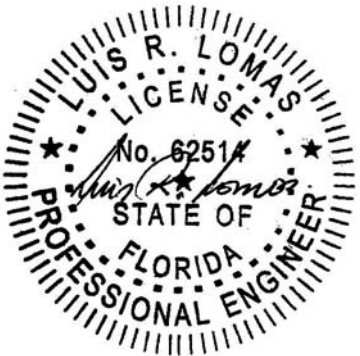
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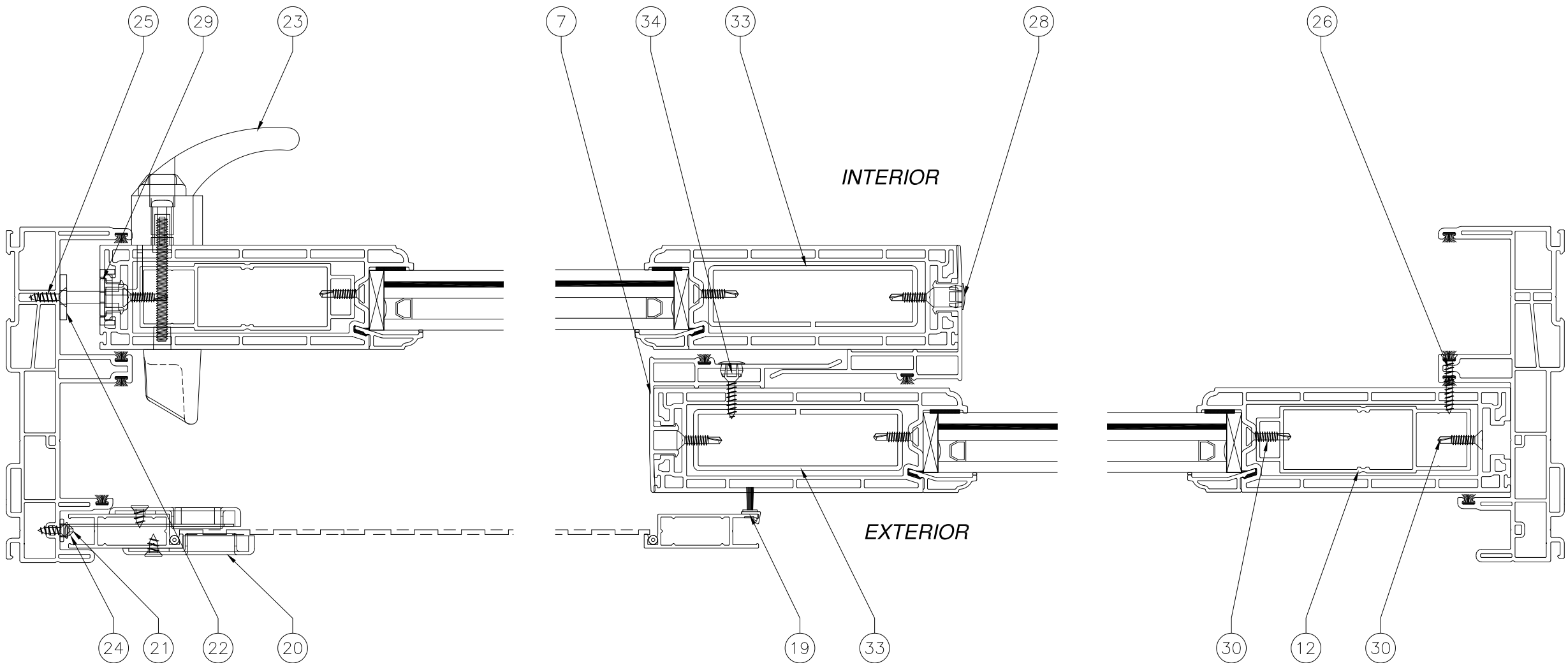
SHEET 5 OF 14

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SECTION B-B

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI4100V VINYL COMPOSITE SGD (OX & XO)

96" X 96" IMPACT
CROSS SECTIONS

DRAWN:
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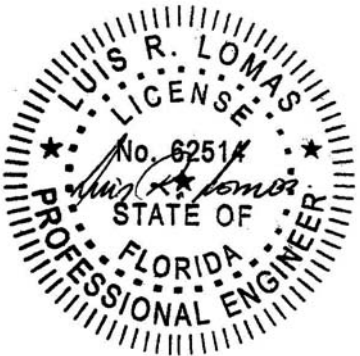
SHEET 6 OF 14

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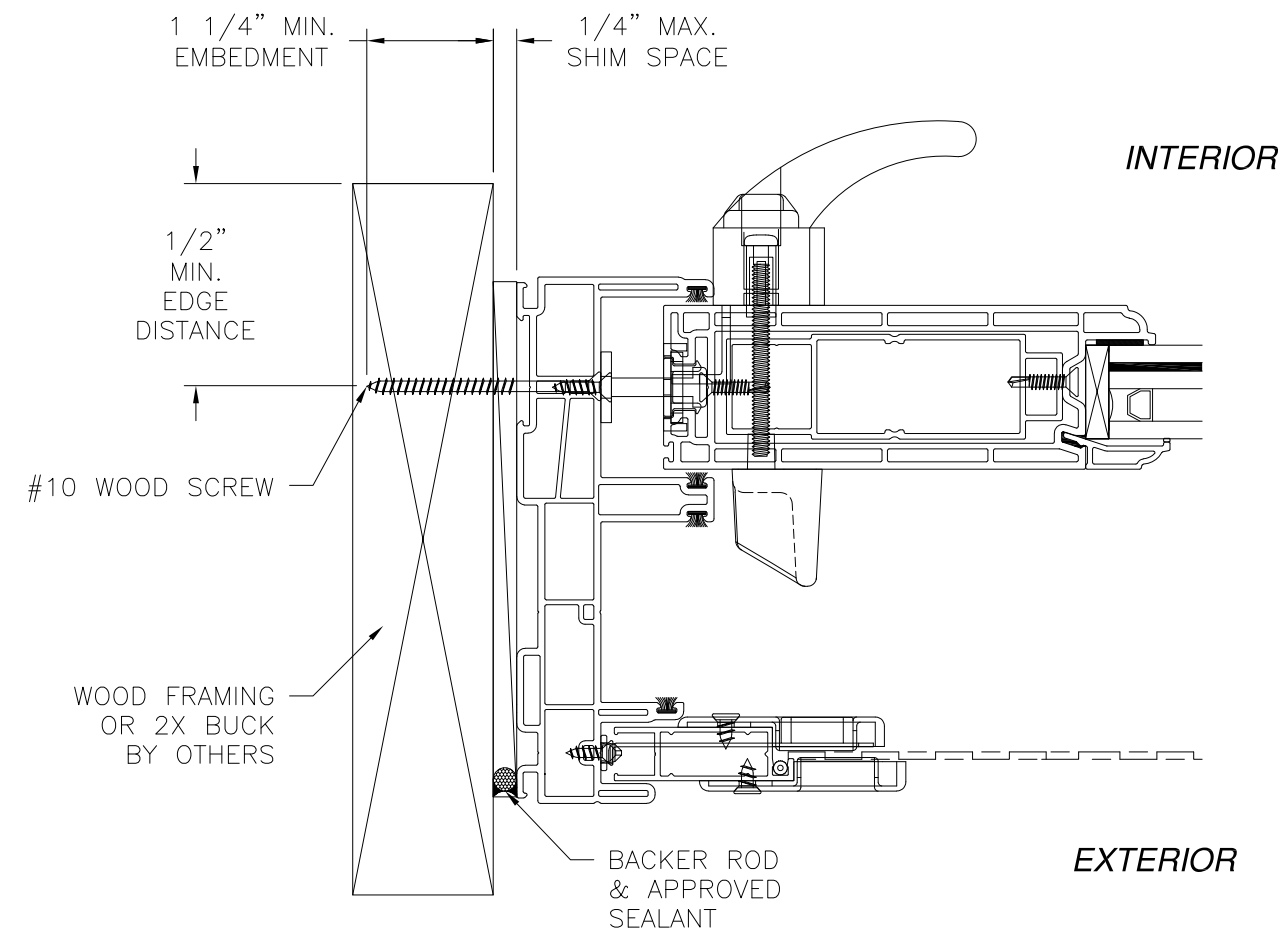
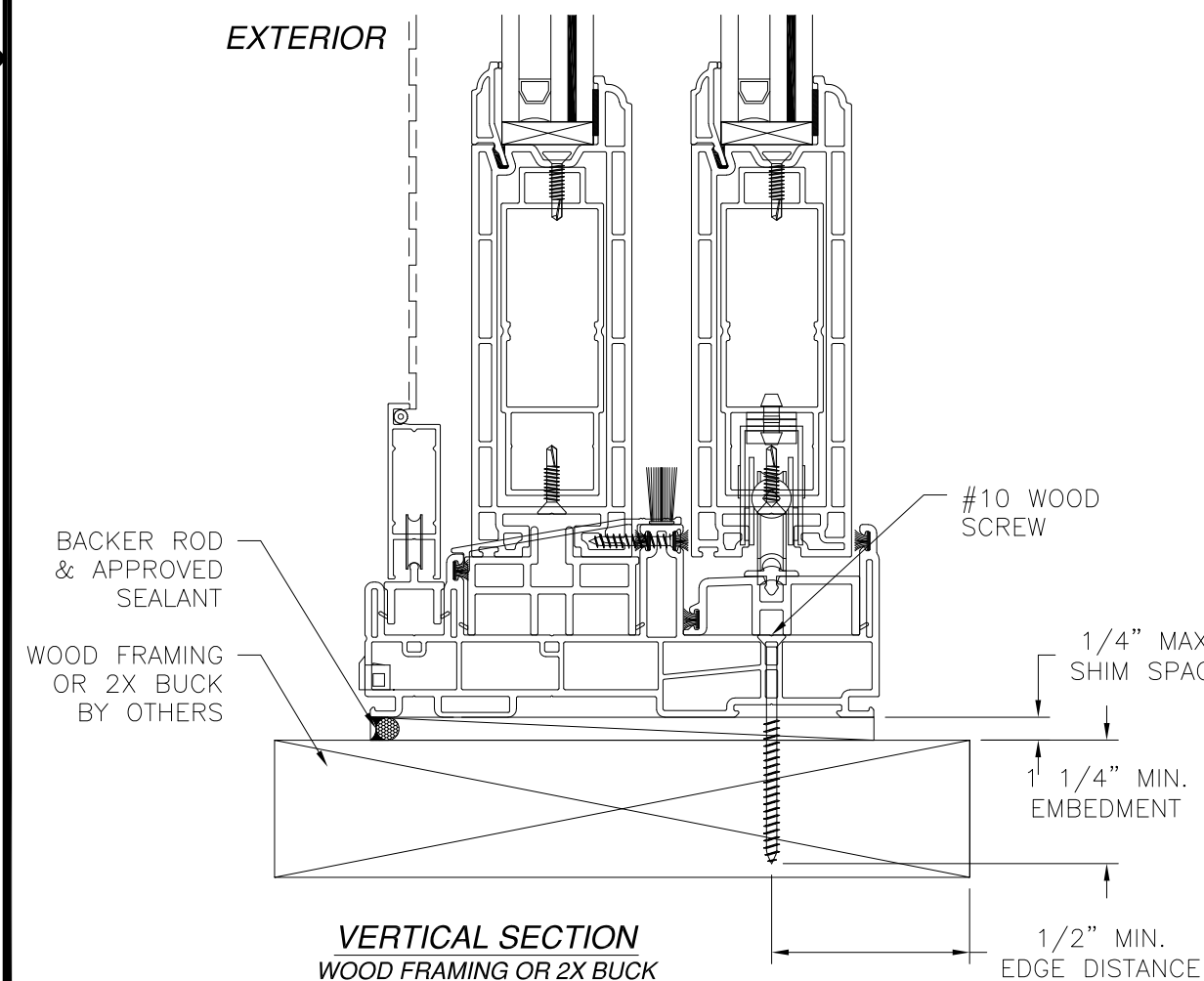
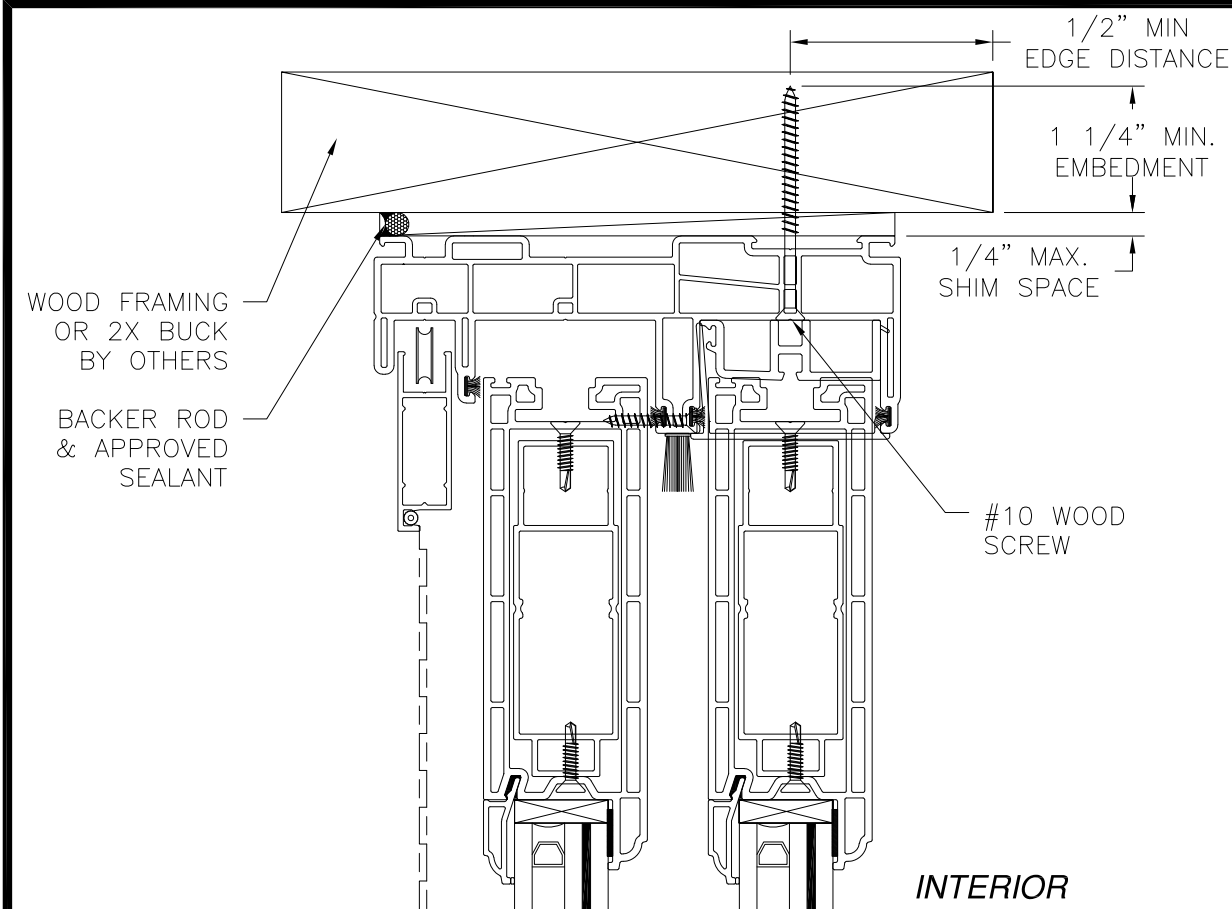
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FL No.: 62514



NOTES:
 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

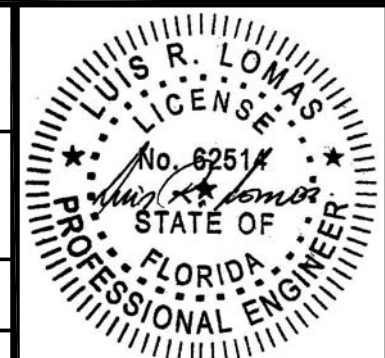
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HORIZONTAL SECTION
 WOOD FRAMING OR 2X BUCK

VERTICAL SECTION
 WOOD FRAMING OR 2X BUCK

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI4100V VINYL COMPOSITE SGD (OX & XO) 96" X 96" IMPACT FRAME INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03242	REV A
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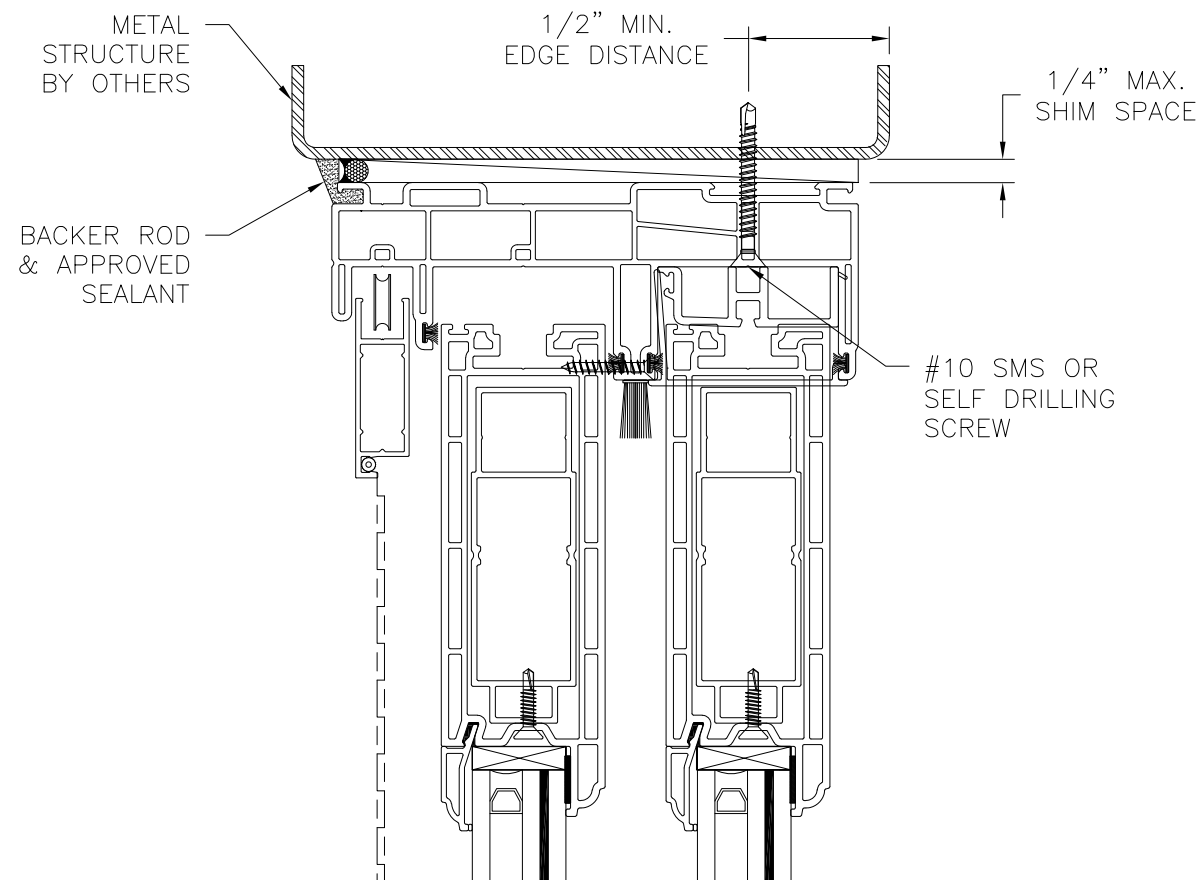
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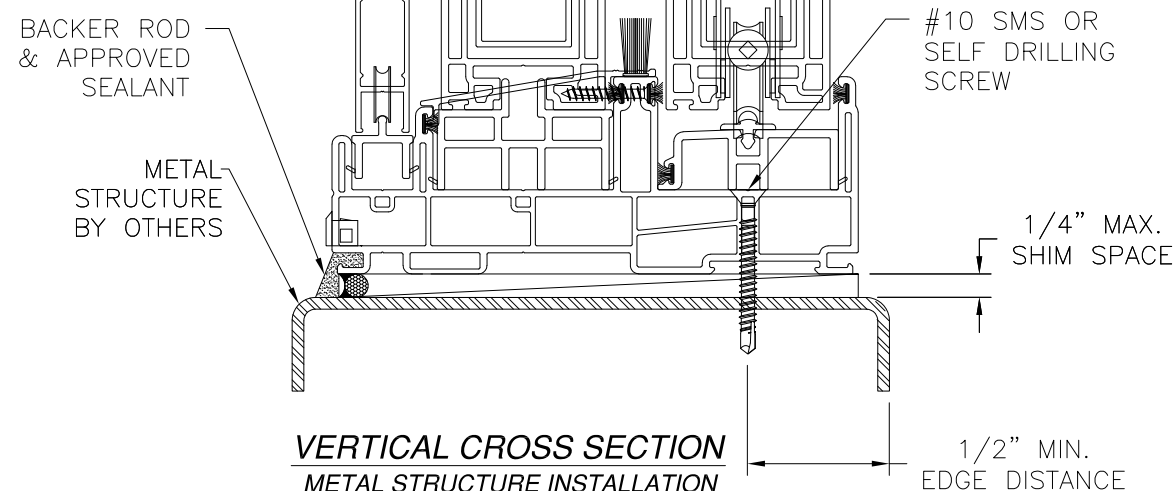
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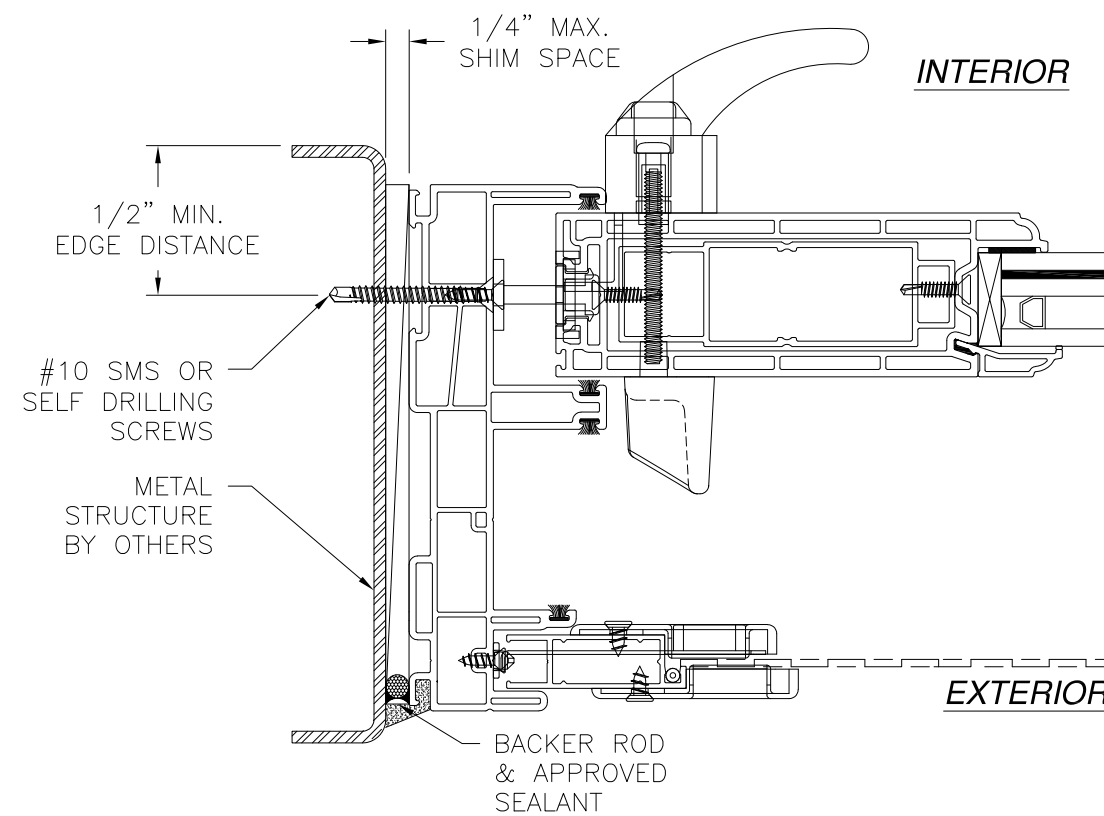


EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION



HORIZONTAL CROSS SECTION
METAL STRUCTURE INSTALLATION

- NOTES:**
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 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 11/11/2020

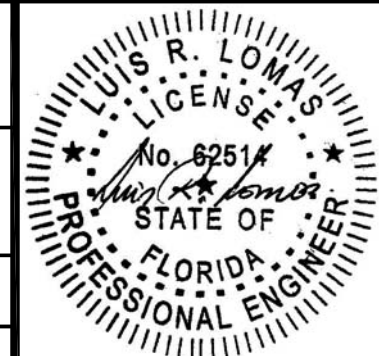
SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

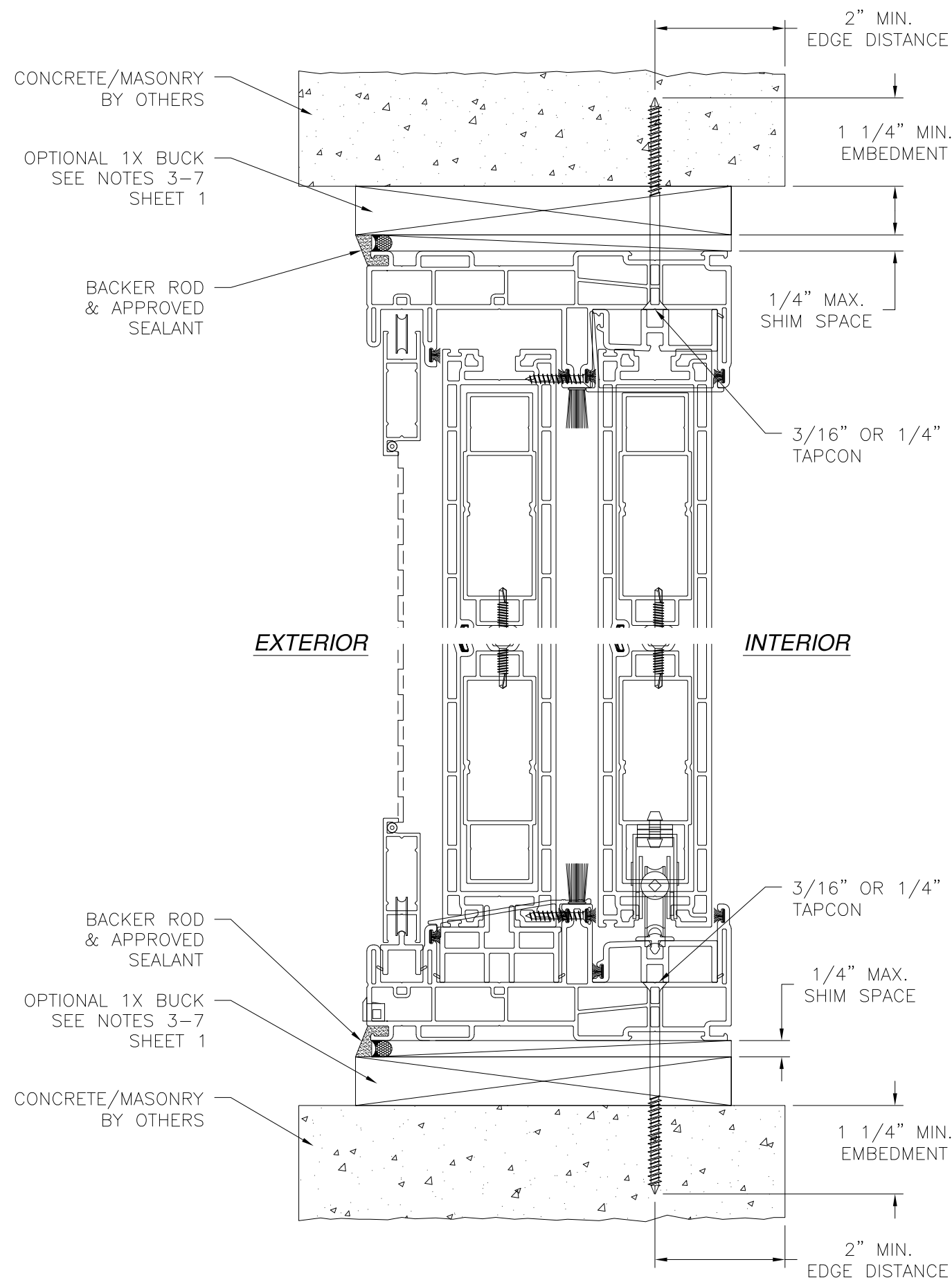
SERIES SI4100V VINYL COMPOSITE SGD (OX & XO)
96" X 96" IMPACT
FRAME INSTALLATION DETAILS

DRAWN: A.R.	DWG NO. 08-03242	REV A
SCALE NTS	DATE 04/19/18	SHEET 8 OF 14

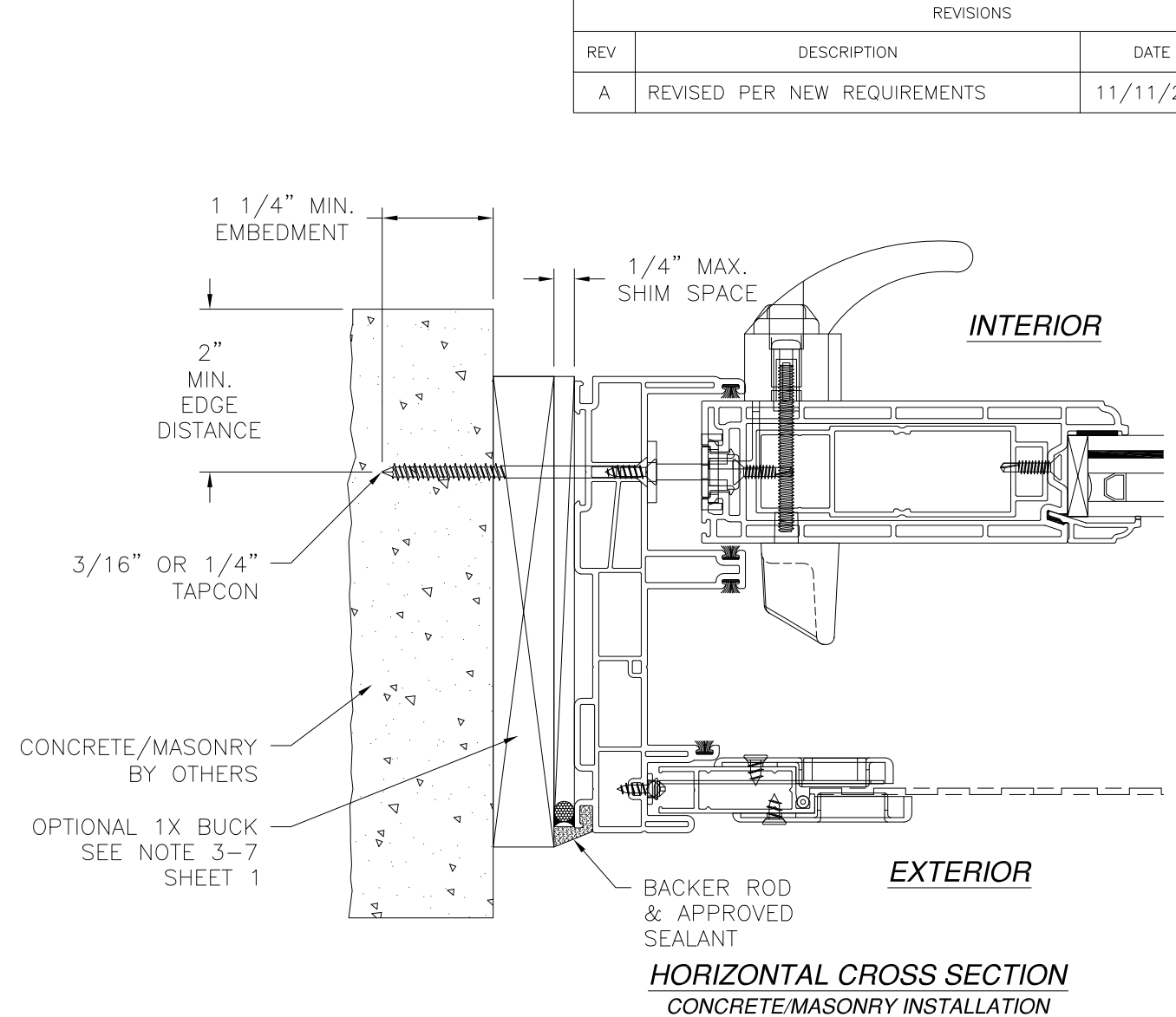
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com



Luis R. Lomas P.E.
FL No.: 62514



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



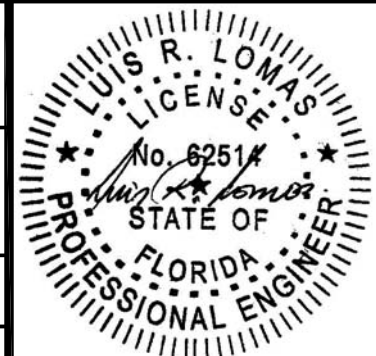
HORIZONTAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

- NOTES:**
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

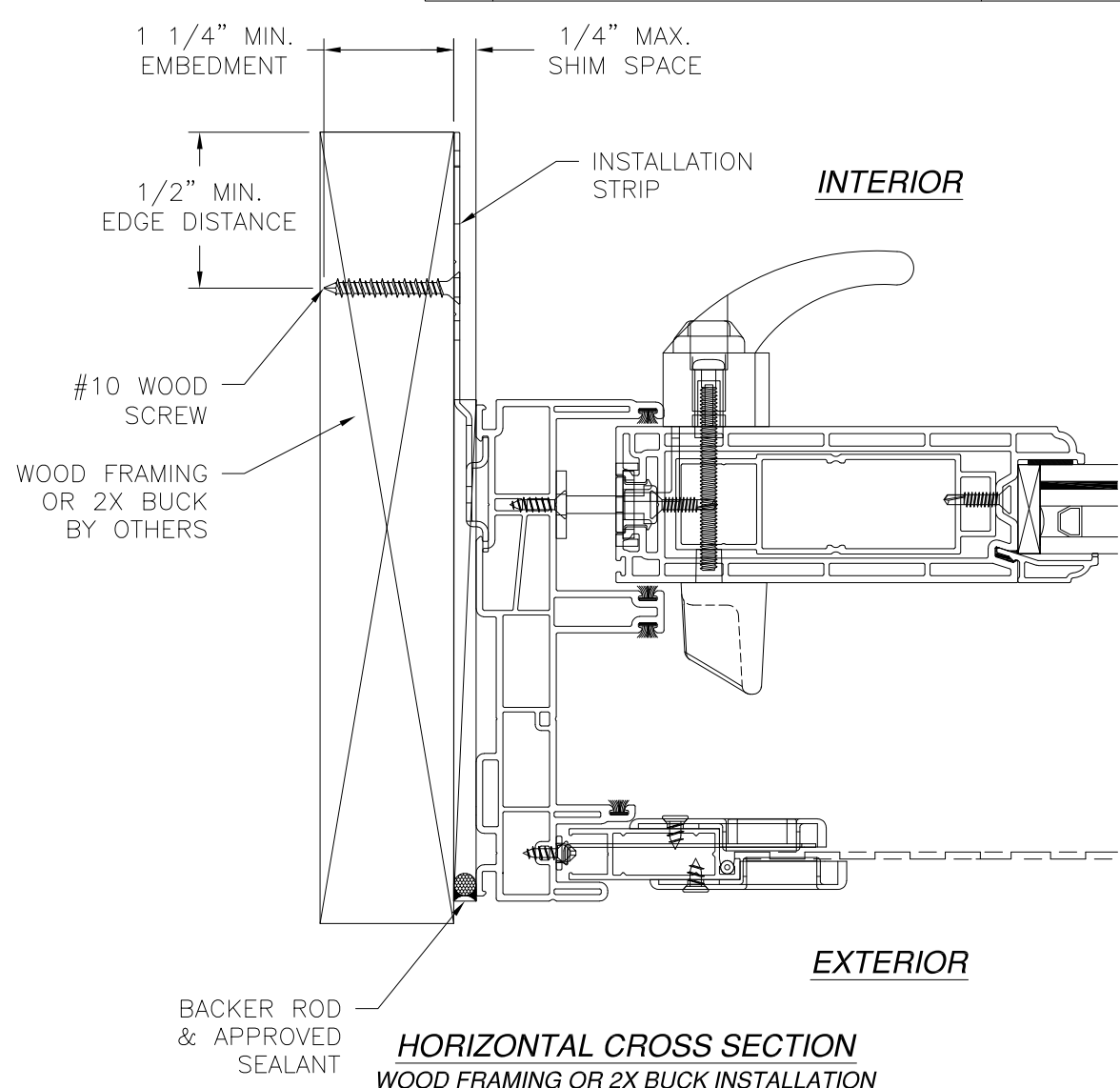
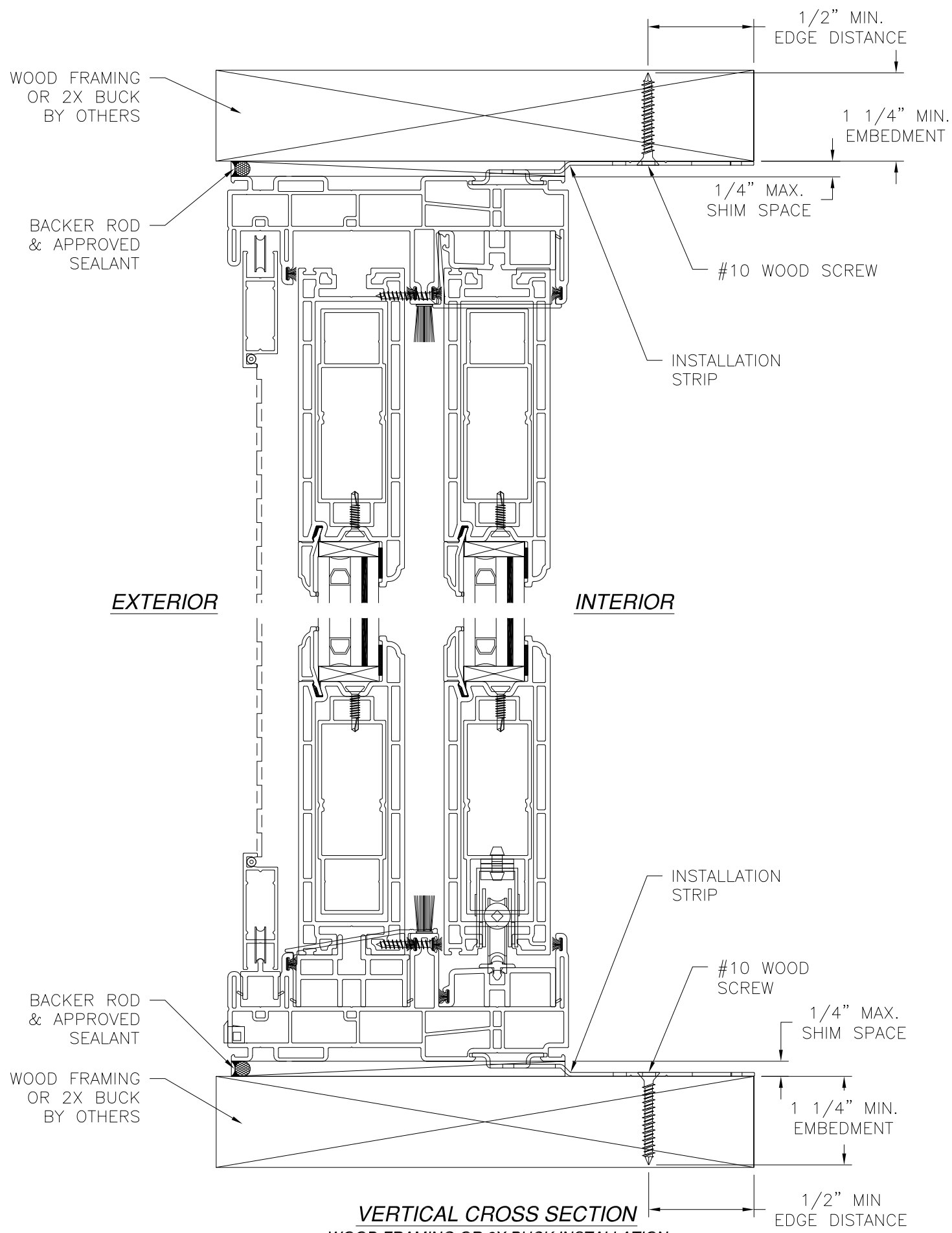
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	11/11/2020	R.L.

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI4100V VINYL COMPOSITE SGD (OX & XO) 96" X 96" IMPACT FRAME INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03242	REV A
SCALE NTS	DATE 04/19/18	SHEET 9 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 11/11/2020



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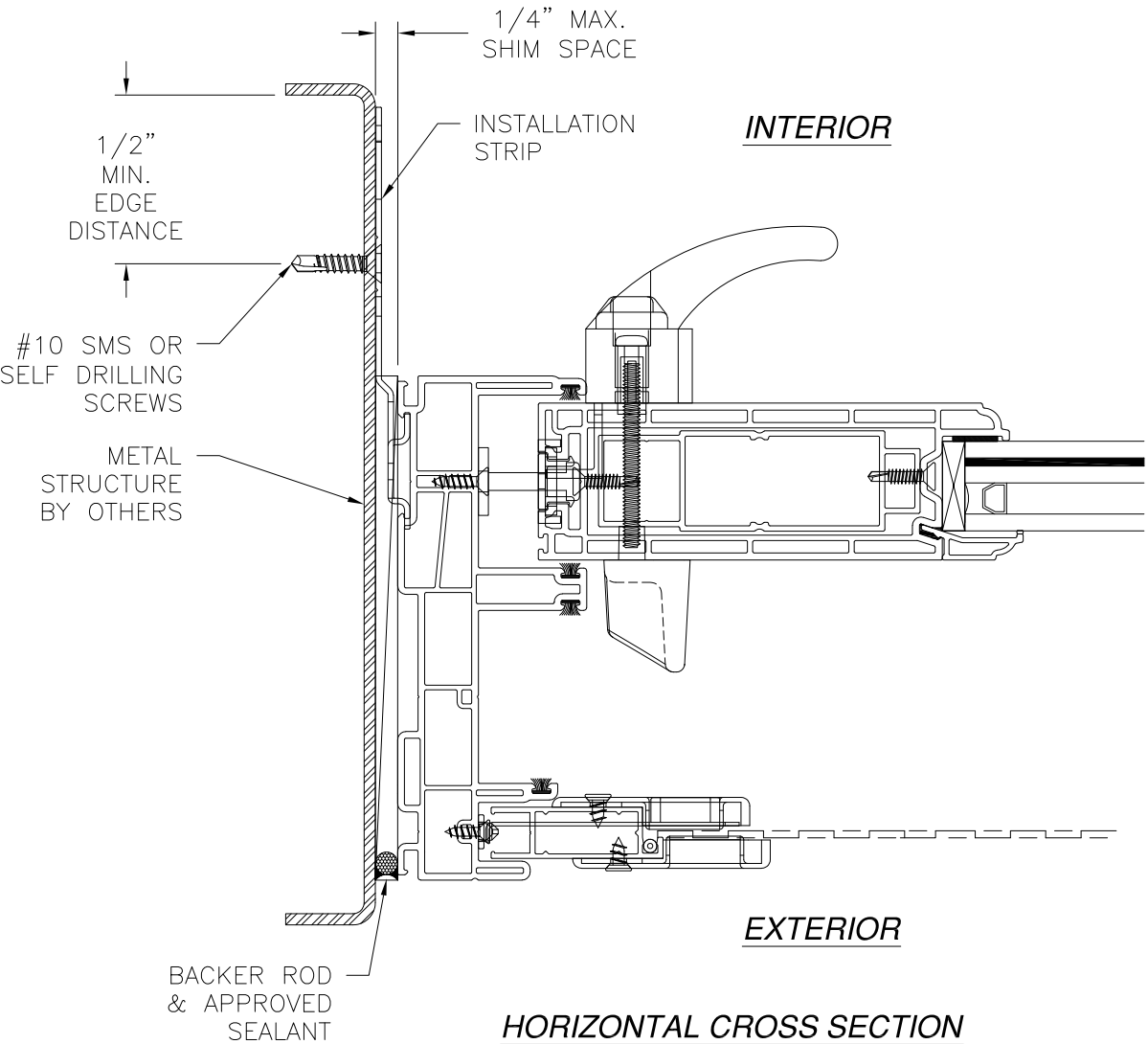
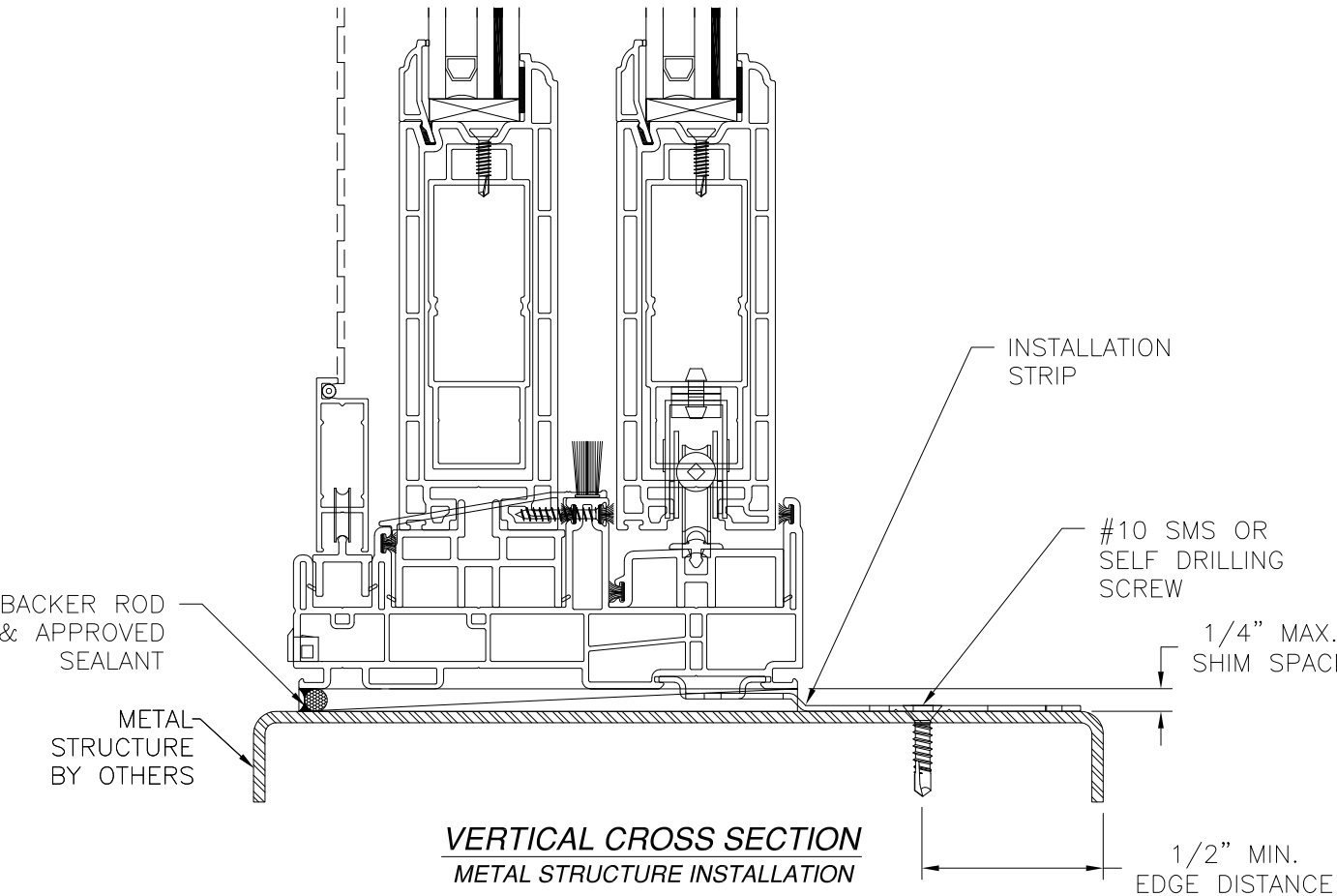
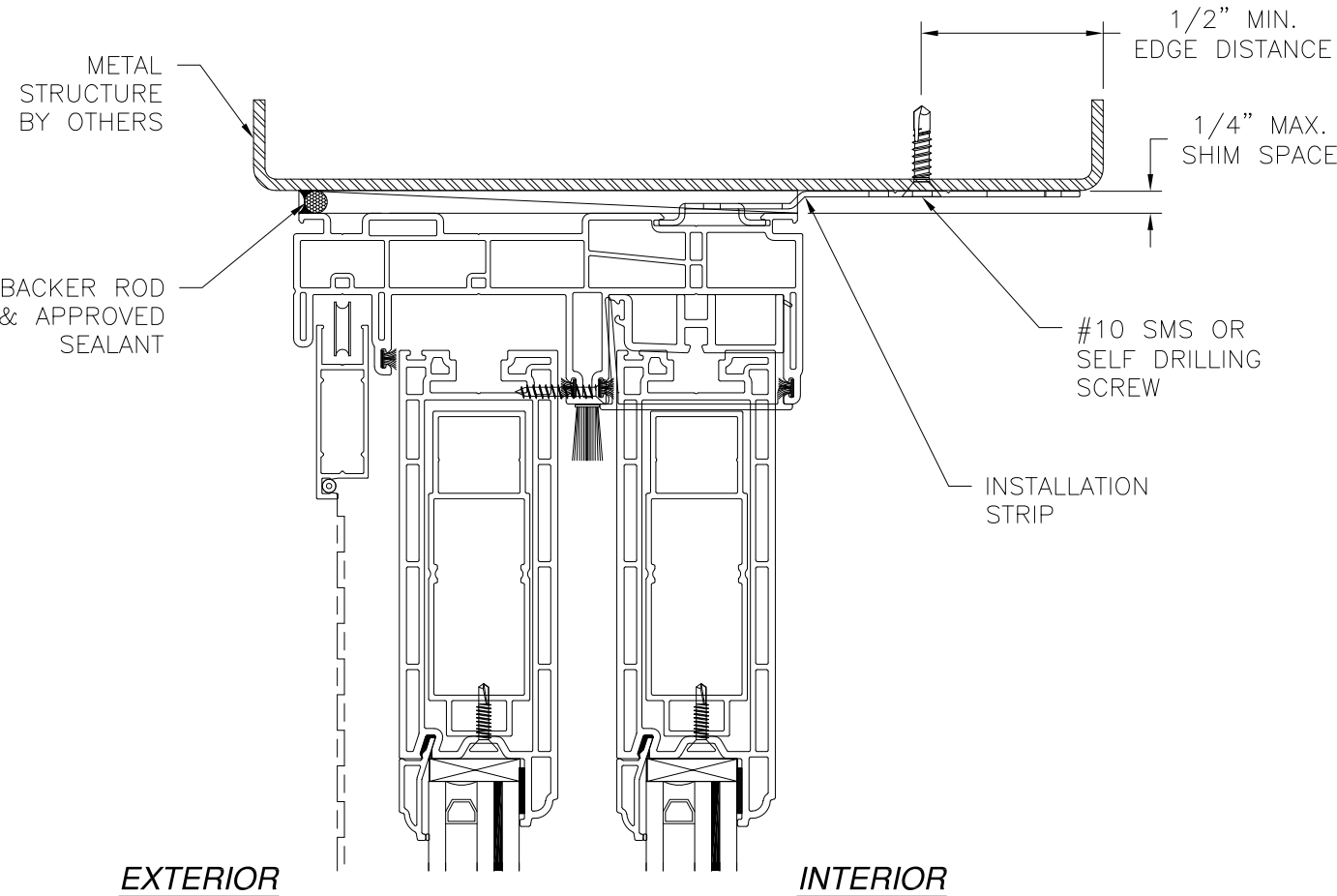
- NOTES:
- 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
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SOLAR INNOVATIONS, INC.		
31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI4100V VINYL COMPOSITE SGD (OX & XO) 96" X 96" IMPACT STRIP INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03242	REV A
SCALE NTS	DATE 04/19/18	SHEET 10 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		

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FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	11/11/2020	R.L.



- NOTES:**
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SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI4100V VINYL COMPOSITE SGD (OX & XO)

96" X 96" IMPACT

STRIP INSTALLATION DETAILS

DRAWN: A.R.

DWG NO. 08-03242

REV A

SCALE NTS

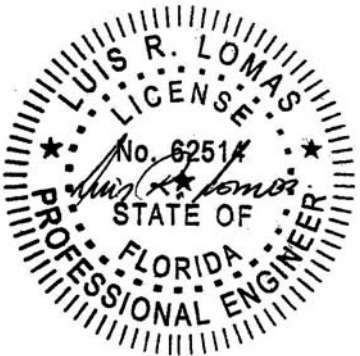
DATE 04/19/18

SHEET 11 OF 14

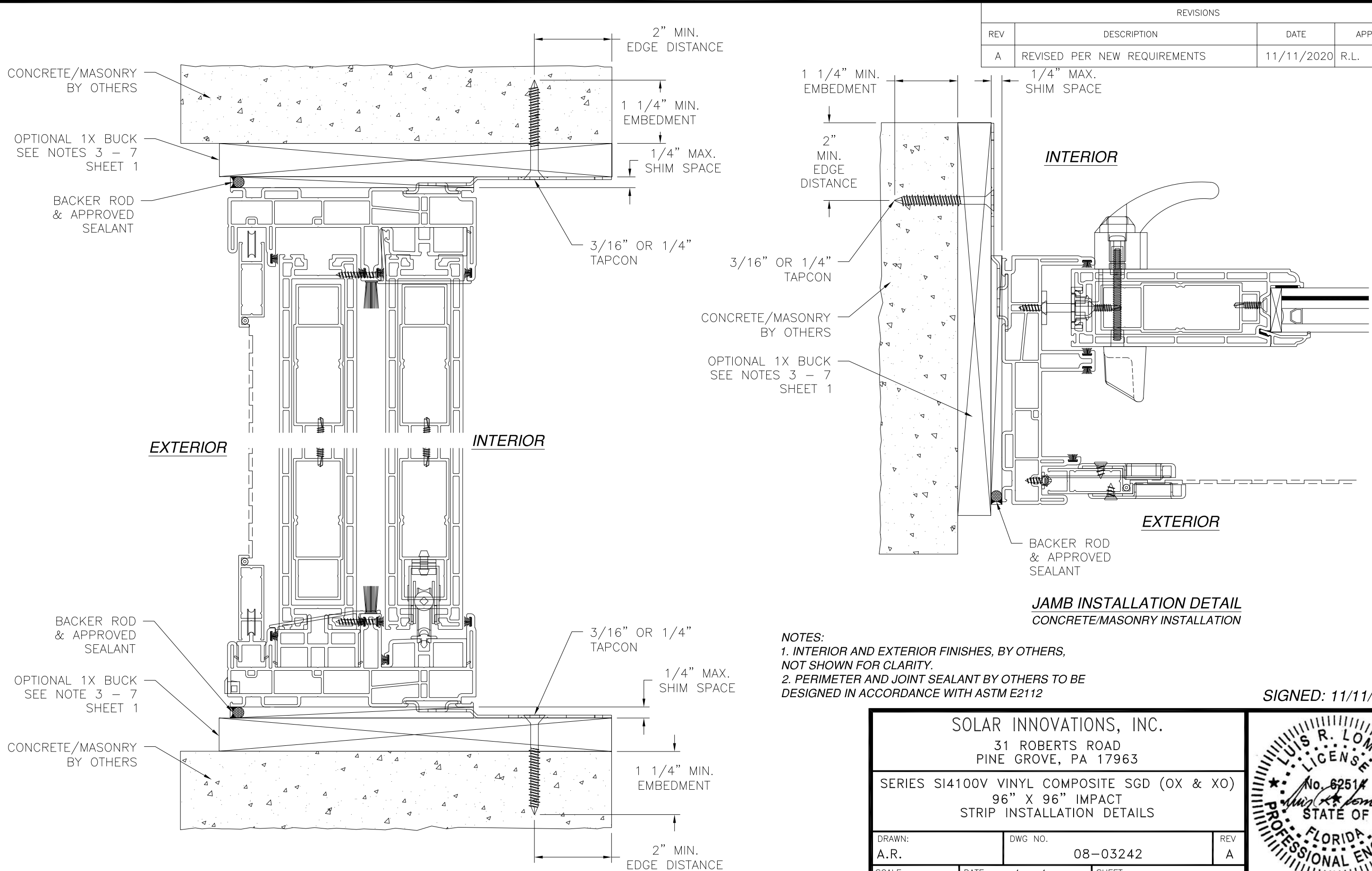
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SIGNED: 11/11/2020

SOLAR INNOVATIONS, INC.
31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI4100V VINYL COMPOSITE SGD (OX & XO)
96" X 96" IMPACT
STRIP INSTALLATION DETAILS

DRAWN:
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DWG NO.
08-03242

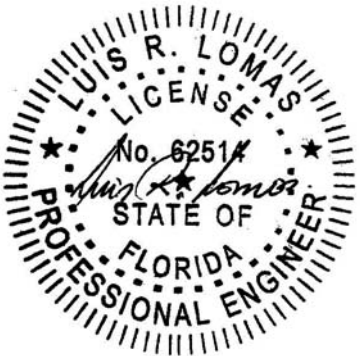
REV
A

SCALE
NTS

DATE
04/19/18

SHEET
12 OF 14

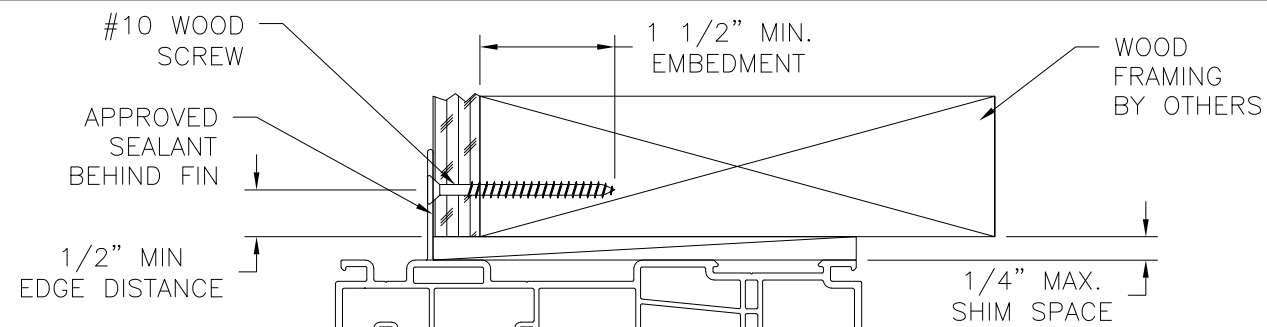
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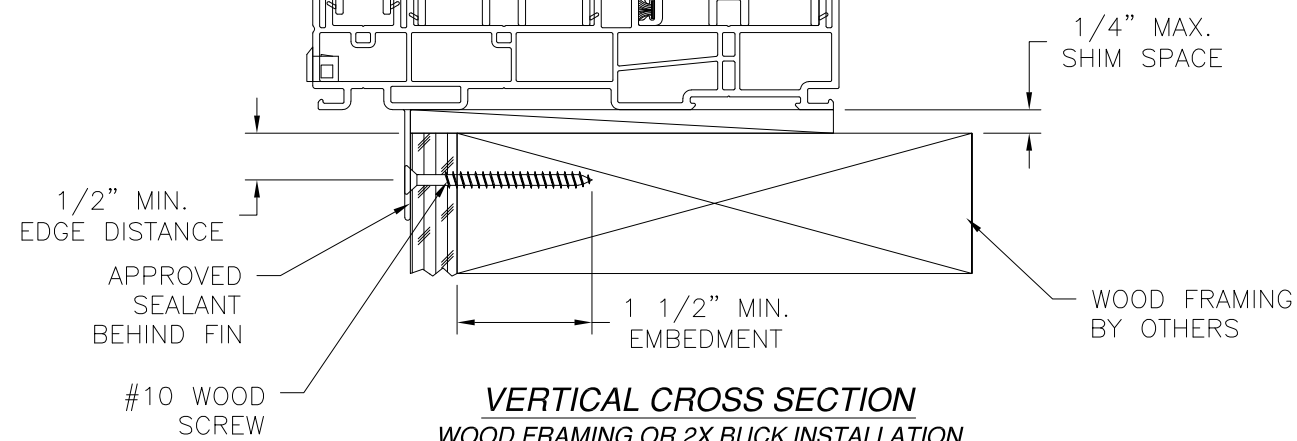
VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION



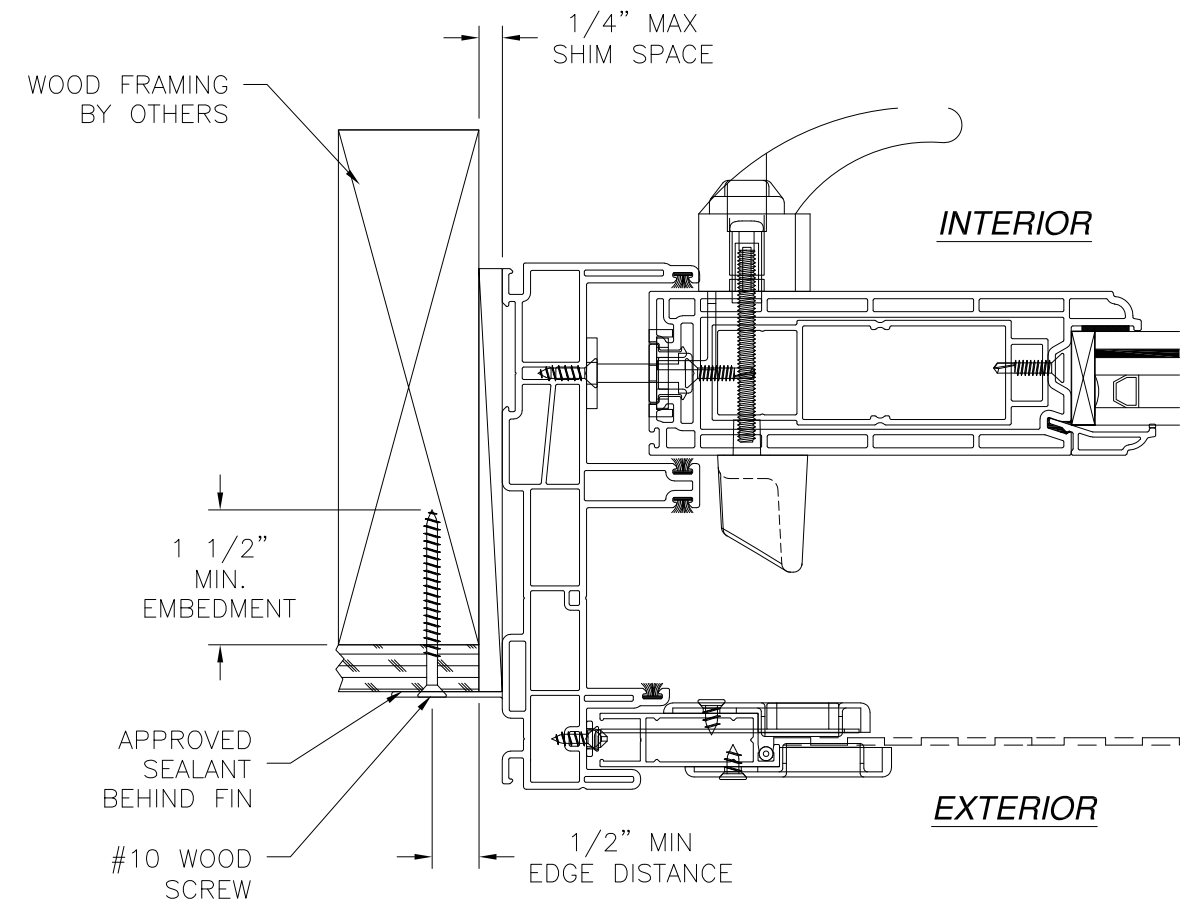
EXTERIOR

INTERIOR



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	11/11/2020	R.L.



INTERIOR

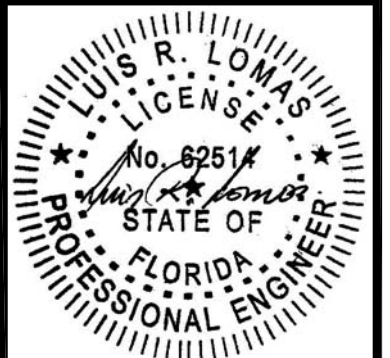
EXTERIOR

JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

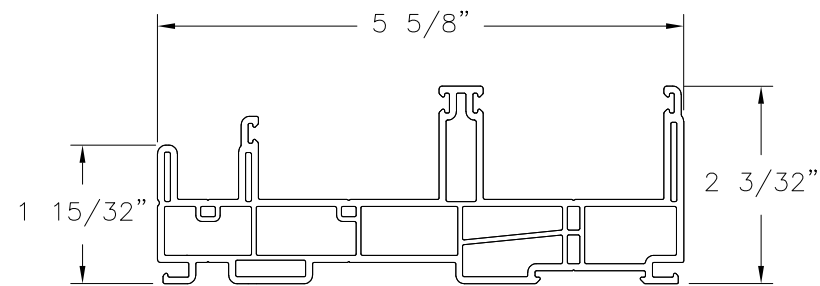
FOR TEMPORARY INSTALLATION ONLY

SIGNED: 11/11/2020

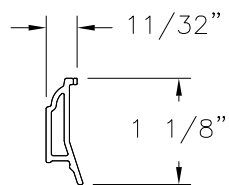
SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI4100V VINYL COMPOSITE SGD (OX & XO) 96" X 96" IMPACT FIN INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03242	REV A
SCALE NTS	DATE 04/19/18	SHEET 13 OF 14
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



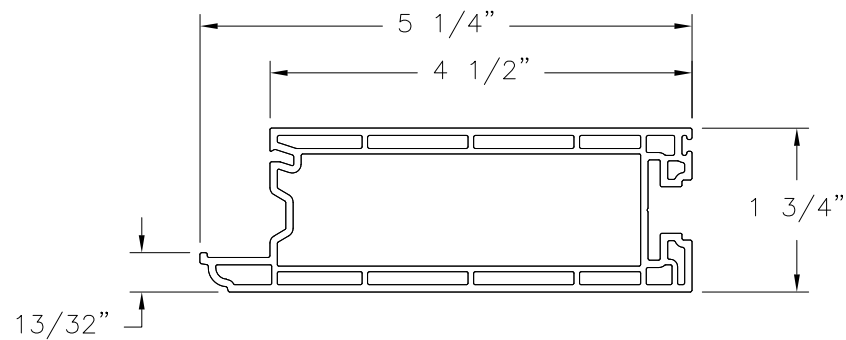
Luis R. Lomas P.E.
FL No.: 62514



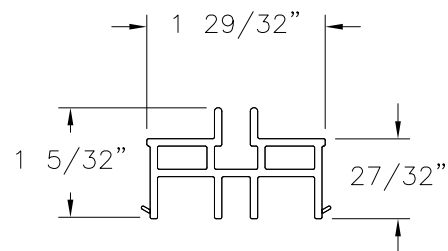
① **FRAME**
VINYL PVC .075 THICK (S003C)



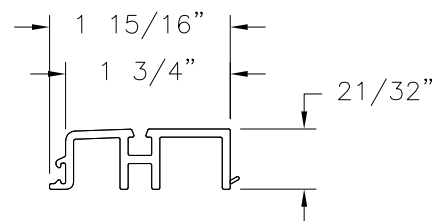
② **GLAZING BEAD**
VINYL PVC .055 THICK (S021)



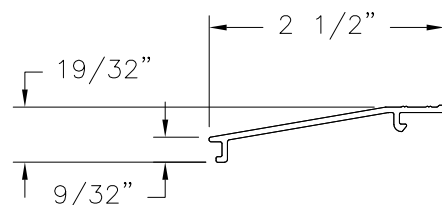
③ **SASH**
VINYL PVC .079 THICK (S017)



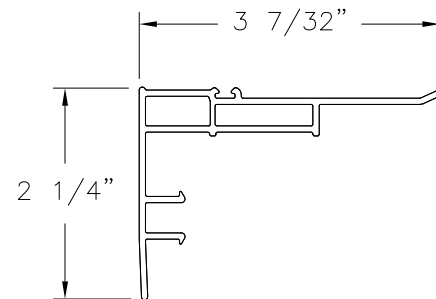
④ **SUPPORT BLOCK**
VINYL PVC .079 THICK (S008)



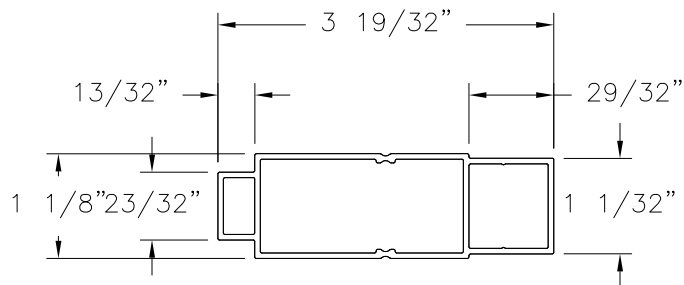
⑤ **SILL ADAPTER**
VINYL PVC .087 THICK (S018)



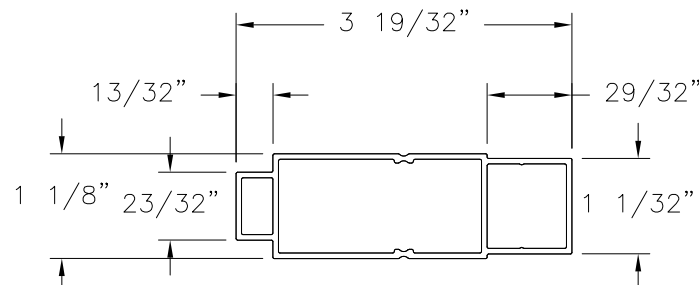
⑧ **SILL**
AL 6063-T5 .063 THICK (S-14307)



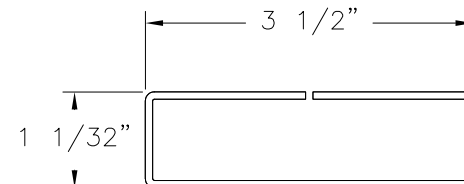
⑦ **SNAP-ON MEETING RAIL**
VINYL PVC .067 THICK (S084)



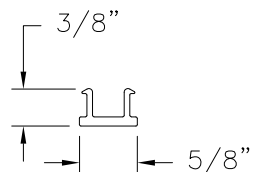
⑪ **ROLLER SUPORT**
AL 6063-T5 .059 THICK (V-14406)



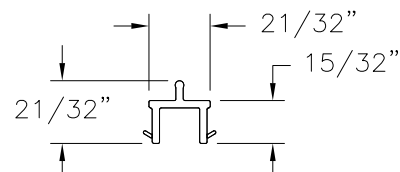
⑫ **SASH REINFORCEMENT**
AL 6063-T5 .059 THICK (V-14406)



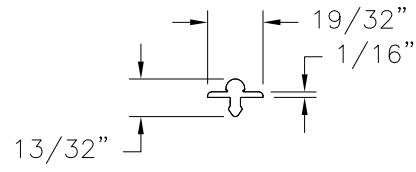
⑬ **RAIL REINFORCEMENT**
STEEL .079 THICK (S017)



⑲ **LOCK SIDE MOLDING**
RIGID PVC (RS-S030)

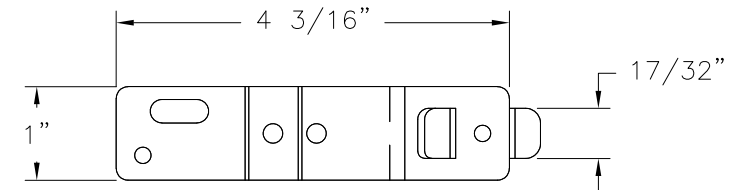


⑥ **SCREEN ADAPTER**
VINYL PVC .079 THICK (L7059)

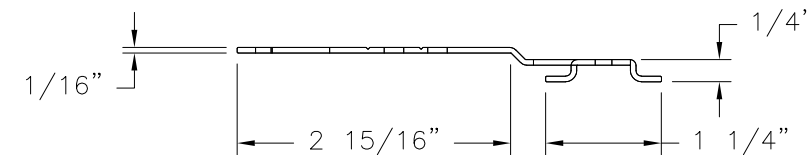


⑨ **SASH RAIL**
AL 6063-T5 .059 THICK (S-11150)

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	11/11/2020	R.L.



③⑤ **INSTALLATION STRIP**
GALVANIZED STEEL G60



① **FIN FRAME**
VINYL PVC .075 THICK (S003-2)

SIGNED: 11/11/2020

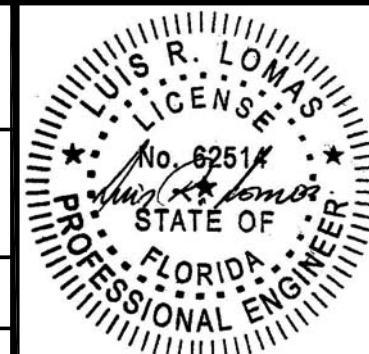
SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI4100V VINYL COMPOSITE SGD (OX & XO)
96" X 96" IMPACT
COMPONENTS

DRAWN: A.R.	DWG NO. 08-03242	REV A
SCALE NTS	DATE 04/19/18	SHEET 14 OF 14

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