

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.

2. WOOD FRAMING, METAL STRUCTURE 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. 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.

4. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.

5. FRAME MATERIAL: ALUMINUM 6063-T5

6. UNITS MUST BE GLAZED PER ASTM E1300, WITH SAFETY GLAZING.

7. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

8. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE 1/4" LAG SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

10. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" ELCO CRETE-FLEX WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

11. FOR ANCHORING INTO METAL STRUCTURE USE 1/4" 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.

12. ALL FASTENERS TO BE CORROSION RESISTANT.

13. 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:

13.A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

13.B. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

13.C. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

13.D. METAL STRUCTURE: STEEL 12GA, 33KSI OR ALUMINUM 6063-T5 .125" THICK MINIMUM

SIGNED: 12/01/2023

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	NOTES
2	ELEVATIONS
3	DESIGN PRESSURE CHARTS
4 – 5	CROSS SECTIONS
6 – 11	INSTALLATION DETAILS
12	COMPONENTS

SOLAR INNOVATIONS, INC.

31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-03447

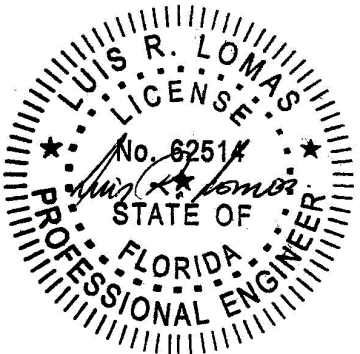
REV
B

SCALE NTS

DATE 06/17/19

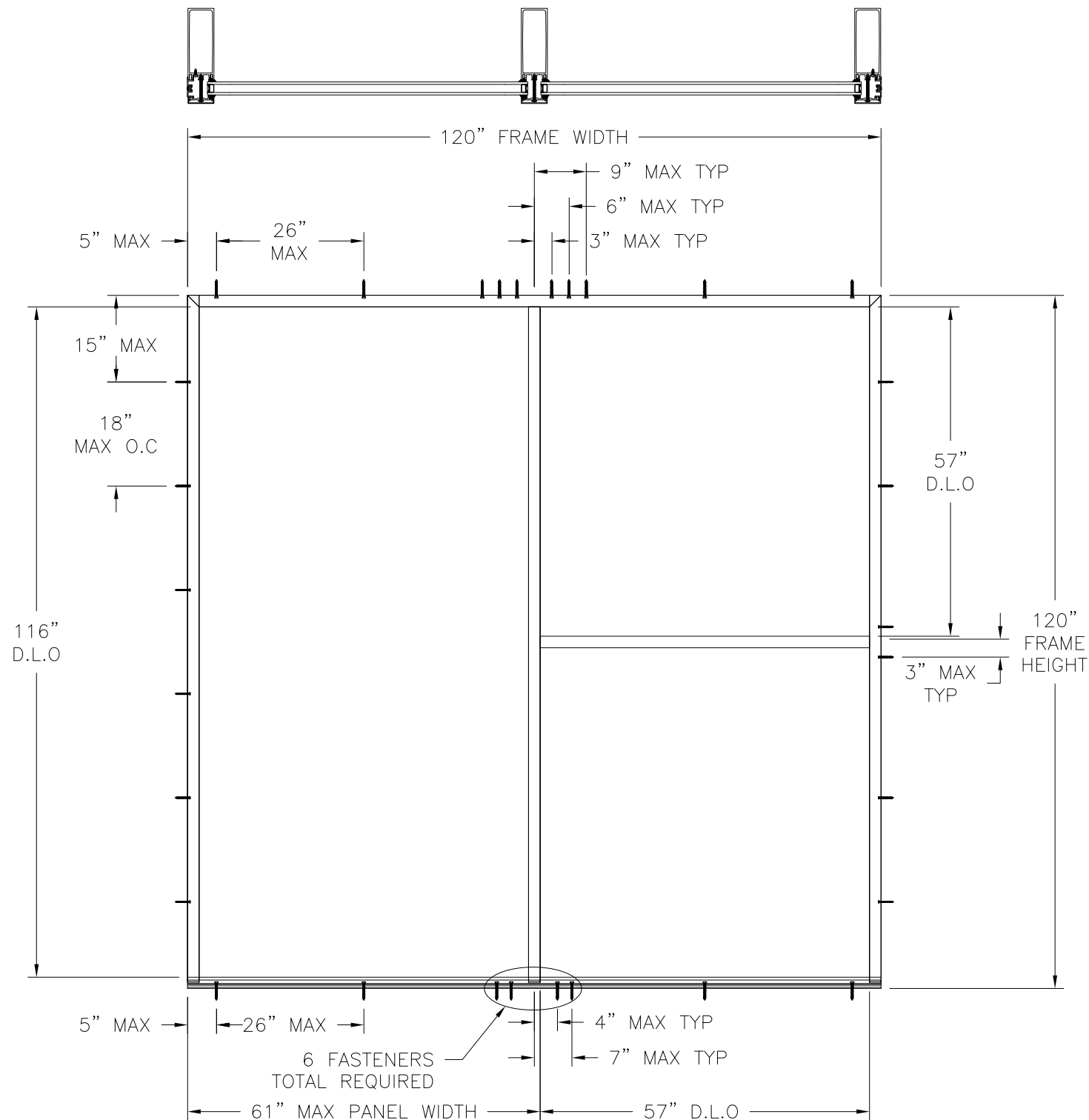
SHEET 1 OF 12

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.



NOTES:
1. SINGLE PANEL FRAME SIZE: 61" X 120"

SERIES SI5100 ALUMINUM FIXED WINDOW
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±65.0PSF	NONE

SEE CHART 1 AND 2, SHEET 3
2 PANELS SHOWN, MULTIPLE PANELS ARE APPROVED AS LONG AS
INDIVIDUAL PANEL FRAME AREA DOES NOT EXCEED 50.8 FT²

SIGNED: 12/01/2023

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

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
ELEVATION

DRAWN:
A.R.

DWG NO.
08-03447

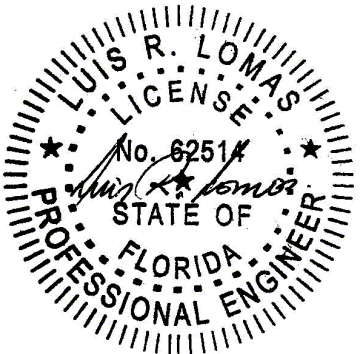
REV
B

SCALE NTS

DATE 06/17/19

SHEET 2 OF 12

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.

CHART #1, SINGLE PANEL
Maximum design pressure capacity chart (psf)

Maximum design pressure capacity chart (psf)																													
Frame Height (in)	Frame width (in)																												
	42.0		48.0		54.0		60.0		66.0		72.0		78.0		84.0		90.0		96.0		102.0		108.0		114.0		120.0		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
24.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
30.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
36.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	96.5	96.5	95.6	95.6	95.6
42.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	95.3	95.3	92.9	92.9	90.8	90.8	89.1	89.1	87.7	87.7	86.5	86.5	85.4	85.4	84.4	84.4	84.4
48.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	95.8	95.8	91.4	91.4	88.0	88.0	85.3	85.3	83.1	83.1	81.3	81.3	79.7	79.7	78.3	78.3	77.2	77.2	76.2	76.2	76.2
54.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	91.7	91.7	86.7	86.7	82.8	82.8	79.8	79.8	77.4	77.4	75.4	75.4	73.7	73.7	72.2	72.2	71.0	71.0	69.9	69.9	69.9
60.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	89.4	89.4	83.6	83.6	79.2	79.2	75.8	75.8	73.1	73.1	70.9	70.9	69.1	69.1	67.5	67.5	66.2	66.2	65.0	65.0	65.0
66.0	97.5	97.5	95.8	95.8	91.7	91.7	89.4	89.4	88.6	88.6	81.8	81.8	76.8	76.8	73.0	73.0	70.0	70.0	67.5	67.5	65.5	65.5	63.8	63.8	-	-	-	-	-
72.0	97.5	97.5	91.4	91.4	86.7	86.7	83.6	83.6	81.8	81.8	81.3	81.3	75.4	75.4	71.1	71.1	67.7	67.7	65.0	65.0	-	-	-	-	-	-	-	-	-
78.0	95.3	95.3	88.0	88.0	82.8	82.8	79.2	79.2	76.8	76.8	75.4	75.4	75.0	75.0	70.0	70.0	66.2	66.2	-	-	-	-	-	-	-	-	-	-	-
84.0	92.9	92.9	85.3	85.3	79.8	79.8	75.8	75.8	73.0	73.0	71.1	71.1	70.0	70.0	66.3	66.3	-	-	-	-	-	-	-	-	-	-	-	-	-
90.0	90.8	90.8	83.1	83.1	77.4	77.4	73.1	73.1	70.0	70.0	67.7	67.7	66.2	66.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96.0	89.1	89.1	81.3	81.3	75.4	75.4	70.9	70.9	67.5	67.5	65.0	65.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
102.0	87.7	87.7	79.7	79.7	73.7	73.7	69.1	69.1	65.5	65.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108.0	86.5	86.5	78.3	78.3	72.2	72.2	67.5	67.5	63.8	63.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114.0	85.4	85.4	77.2	77.2	71.0	71.0	66.2	66.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120.0	84.4	84.4	76.2	76.2	69.9	69.9	65.0	65.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
126.0	83.6	83.6	75.3	75.3	68.8	68.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
132.0	82.8	82.8	73.9	73.9	65.7	65.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
138.0	80.7	80.7	70.7	70.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144.0	77.4	77.4	67.7	67.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150.0	74.3	74.3	65.0	65.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156.0	71.4	71.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CHART #2, WITH 2 OR MORE PANELS MULLED TOGETHER

Maximum Design pressure (psf)																				
Panel Height (in)	Single Panel Width (in)																			
	24.0		30.0		36.0		42.0		48.0		54.0		60.0		66.0		72.0		78.0	
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
24.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
30.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
36.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
42.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
48.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
54.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
60.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
66.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	90.9	90.9
72.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	90.3	90.3	83.3	83.3
78.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	90.9	90.9	83.3	83.3	76.9	76.9
84.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	92.9	92.9	84.4	84.4	77.4	77.4	71.4	71.4
90.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	96.3	96.3	86.7	86.7	78.8	78.8	72.2	72.2	66.7	66.7
96.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	90.3	90.3	81.3	81.3	73.9	73.9	67.7	67.7	-	-
102.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	93.8	93.8	85.0	85.0	76.5	76.5	69.5	69.5	-	-	-	-	-
108.0	97.5	97.5	97.5	97.5	97.5	97.5	96.1	96.1	87.1	87.1	80.2	80.2	72.2	72.2	65.7	65.7	-	-	-	-
114.0	97.5	97.5	97.5	97.5	97.5	97.5	89.9	89.9	81.3	81.3	74.7	74.7	68.4	68.4	-	-	-	-	-	-
120.0	97.5	97.5	97.5	97.5	95.6	95.6	84.4	84.4	76.2	76.2	69.9	69.9	65.0	65.0	-	-	-	-	-	-
126.0	97.5	97.5	97.5	97.5	87.3	87.3	75.7	75.7	67.2	67.2	60.7	60.7	-	-	-	-	-	-	-	-
132.0	97.5	97.5	90.0	90.0	75.7	75.7	65.6	65.6	58.1	58.1	52.4	52.4	-	-	-	-	-	-	-	-
138.0	97.5	97.5	78.6	78.6	66.1	66.1	57.2	57.2	50.6	50.6	-	-	-	-	-	-	-	-	-	-
144.0	85.8	85.8	69.1	69.1	58.0	58.0	50.2	50.2	44.4	44.4	-	-	-	-	-	-	-	-	-	-
150.0	75.9	75.9	61.0	61.0	51.2	51.2	44.3	44.3	39.1	39.1	-	-	-	-	-	-	-	-	-	-
156.0	67.4	67.4	54.2	54.2	45.5	45.5	39.3	39.3	-	-	-	-	-	-	-	-	-	-	-	-

SOLAR INNOVATIONS, INC.

31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
DESIGN PRESSURE CHARTS

DRAWN:

A.R.

DWG NO.

08-03447

REV

B

SCALE NTS

DATE

06/17/19

SHEET

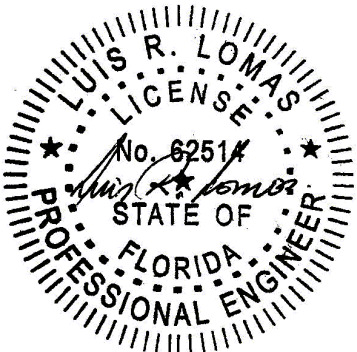
3

OF

12

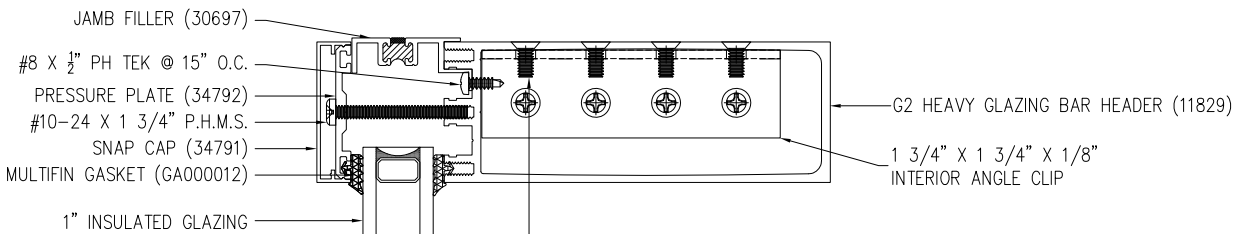
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

SIGNED: 12/01/2023

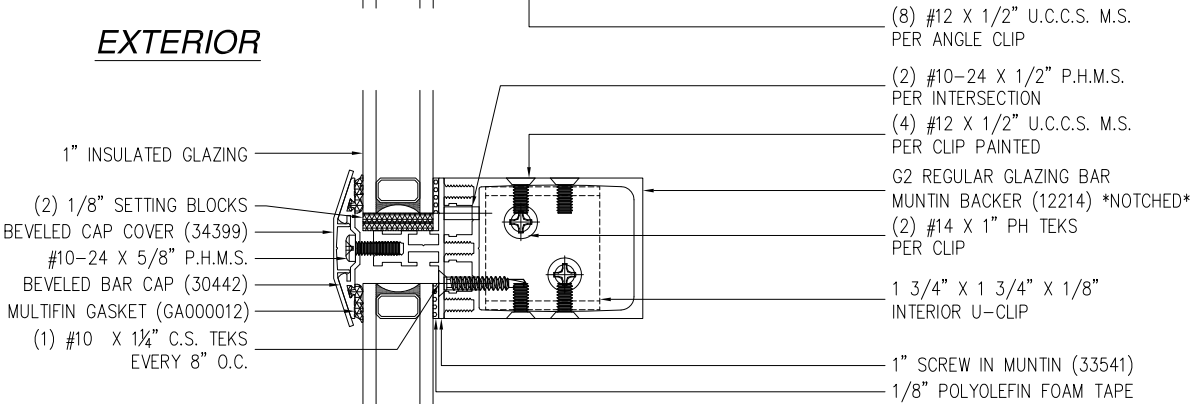


Luis R. Lomas P.E.
FL No.: 62514

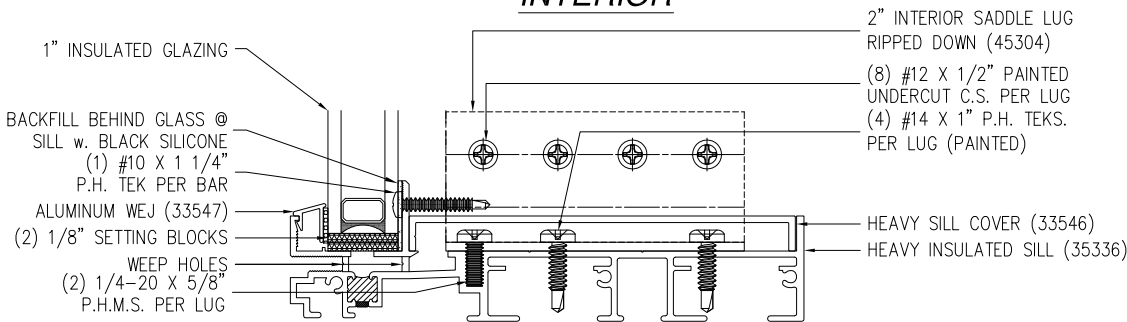
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.



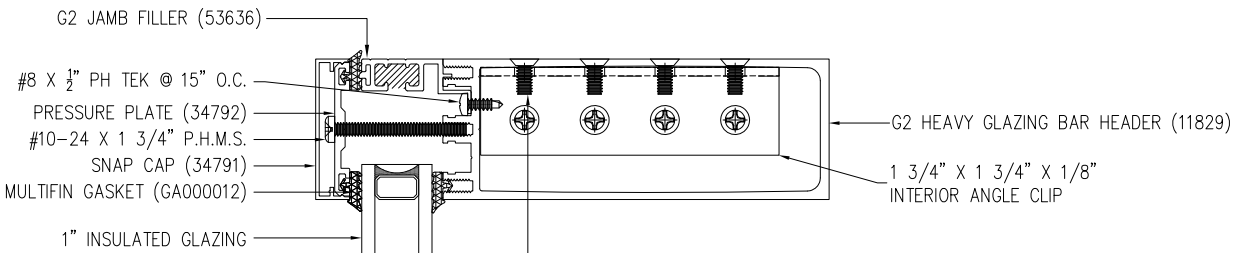
EXTERIOR



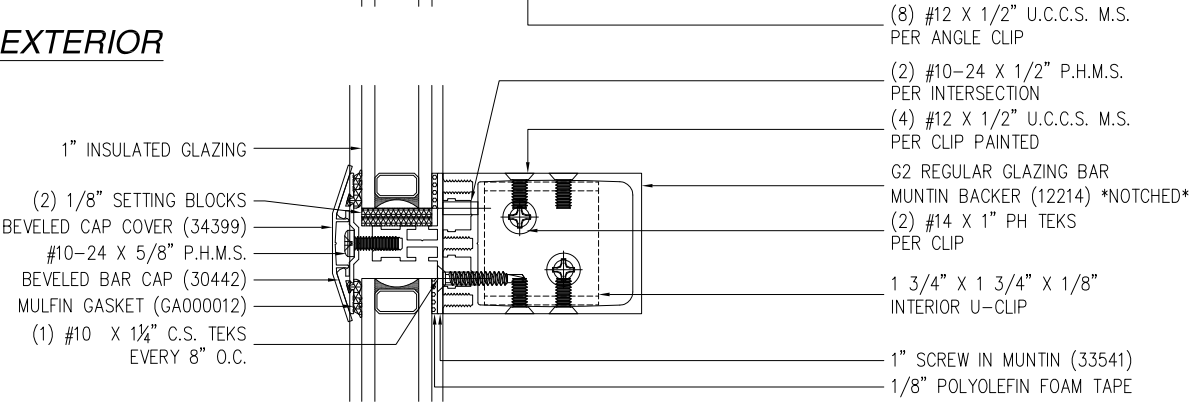
INTERIOR



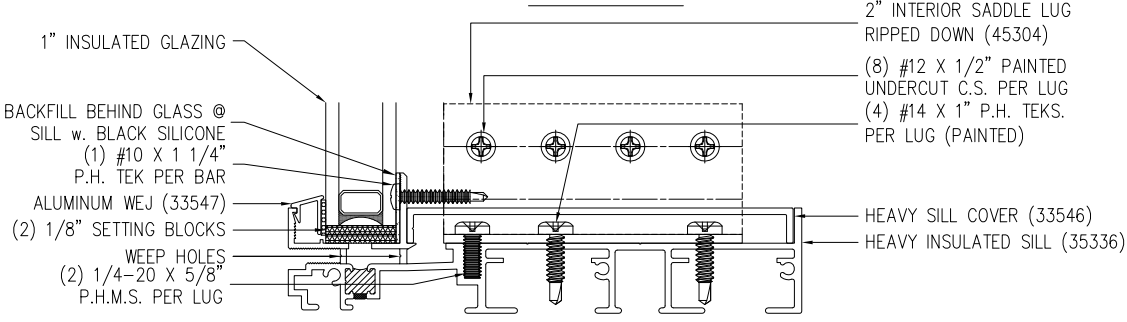
VERTICAL CROSS SECTION



EXTERIOR



INTERIOR



**VERTICAL CROSS SECTION
WITH ALTERNATE JAMB FILLER**

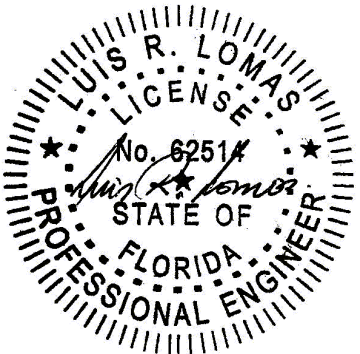
SIGNED: 12/01/2023

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

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
VERTICAL CROSS SECTION

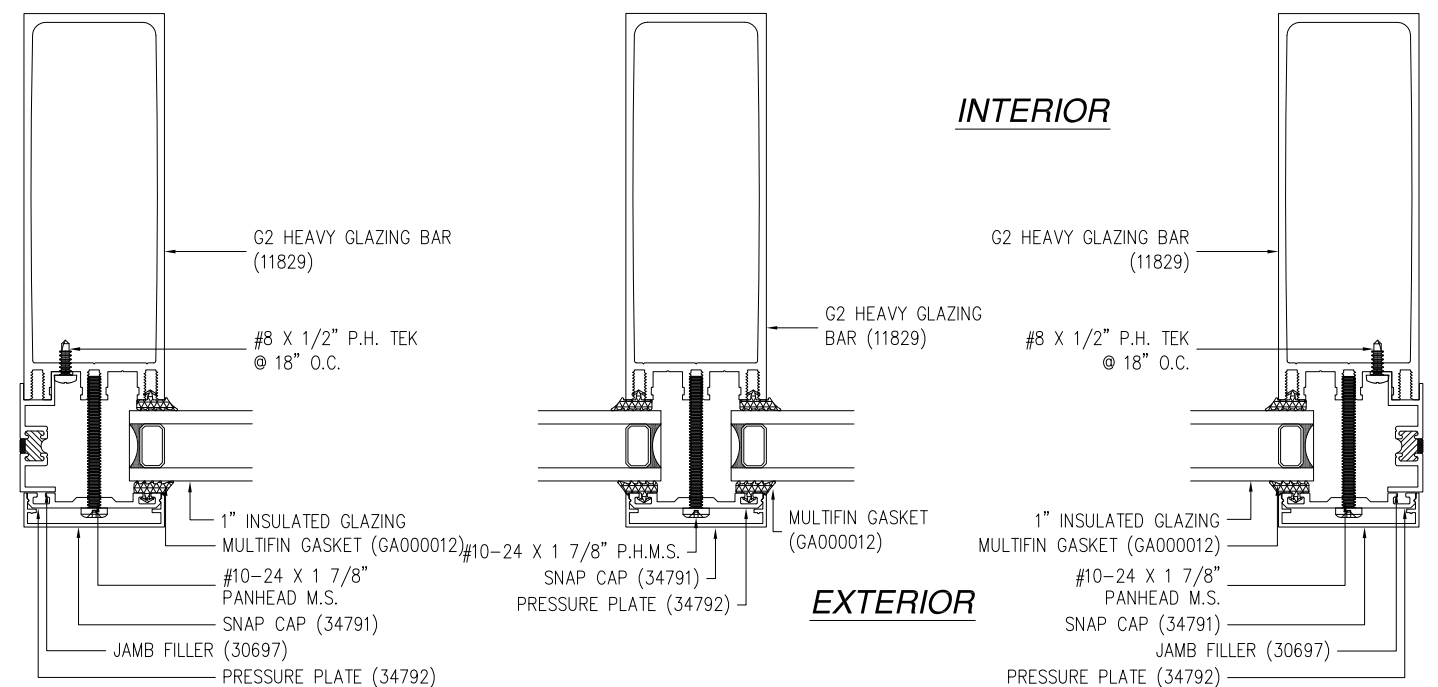
DRAWN: A.R.	DWG NO. 08-03447	REV B
SCALE NTS	DATE 06/17/19	SHEET 4 OF 12

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

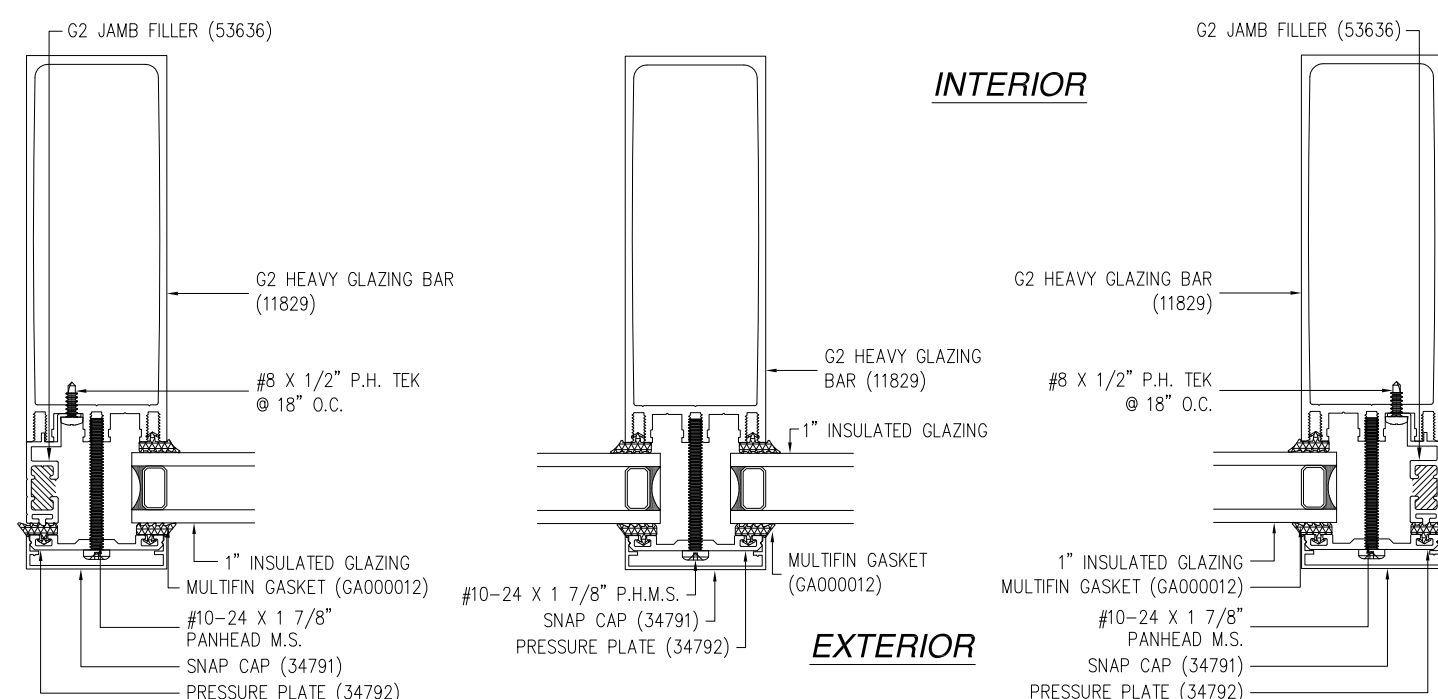


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.



HORIZONTAL CROSS SECTION



**HORIZONTAL CROSS SECTION
WITH ALTERNATE JAMB FILLER**

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

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
HORIZONTAL CROSS SECTION

DRAWN:
A.R.

DWG NO.
08-03447

REV
B

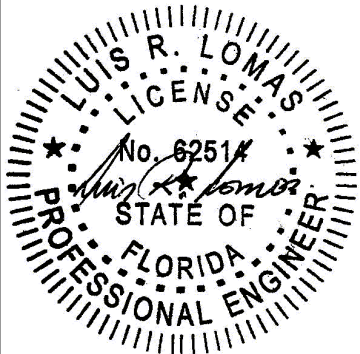
SCALE
NTS

DATE
06/17/19

SHEET
5 OF 12

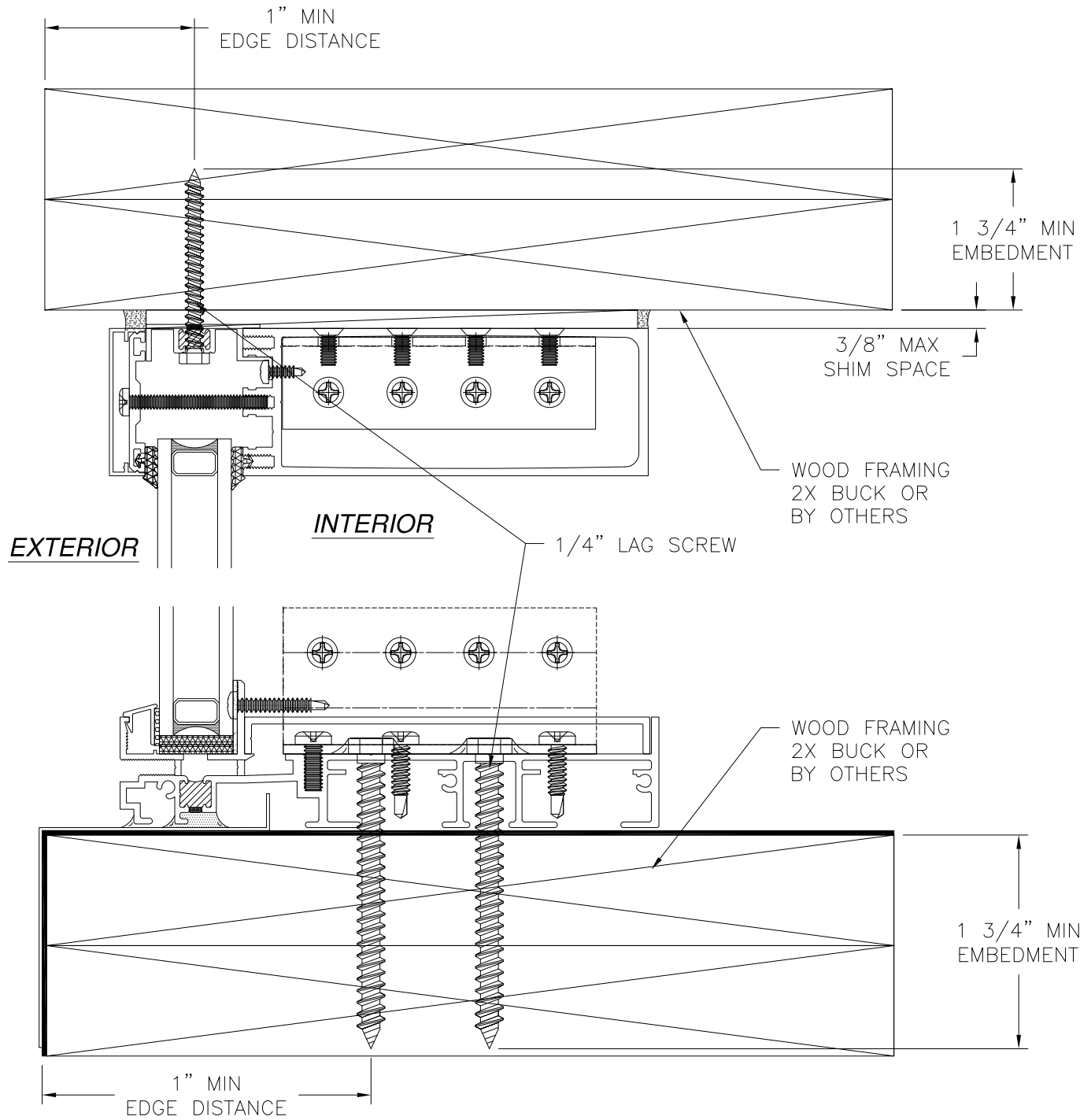
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 12/01/2023



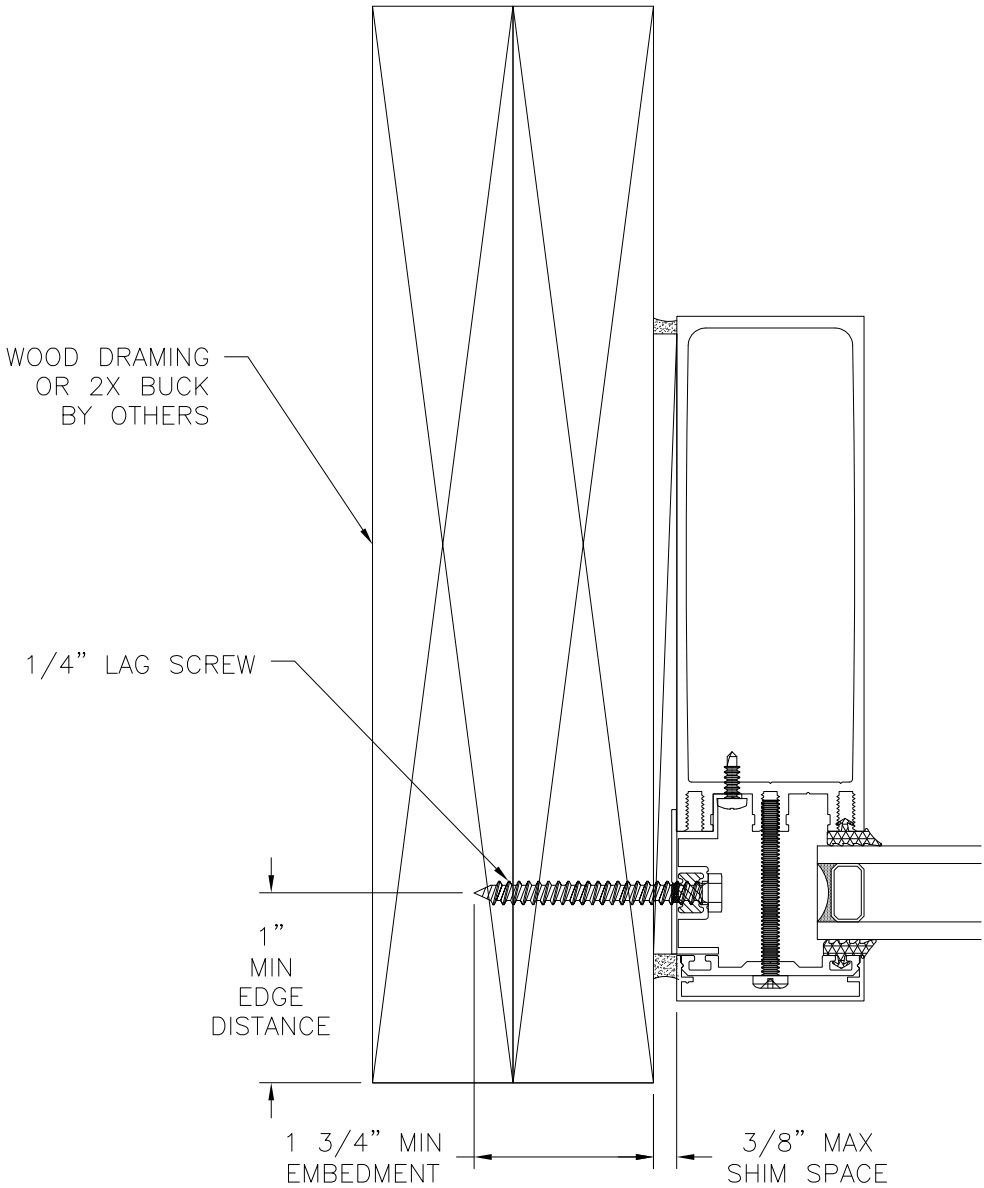
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK 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



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

SIGNED: 12/01/2023

SOLAR INNOVATIONS, INC.

31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
INSTALLATION DETAILS

DRAWN: A.R.

DWG NO. 08-03447

REV B

SCALE NTS

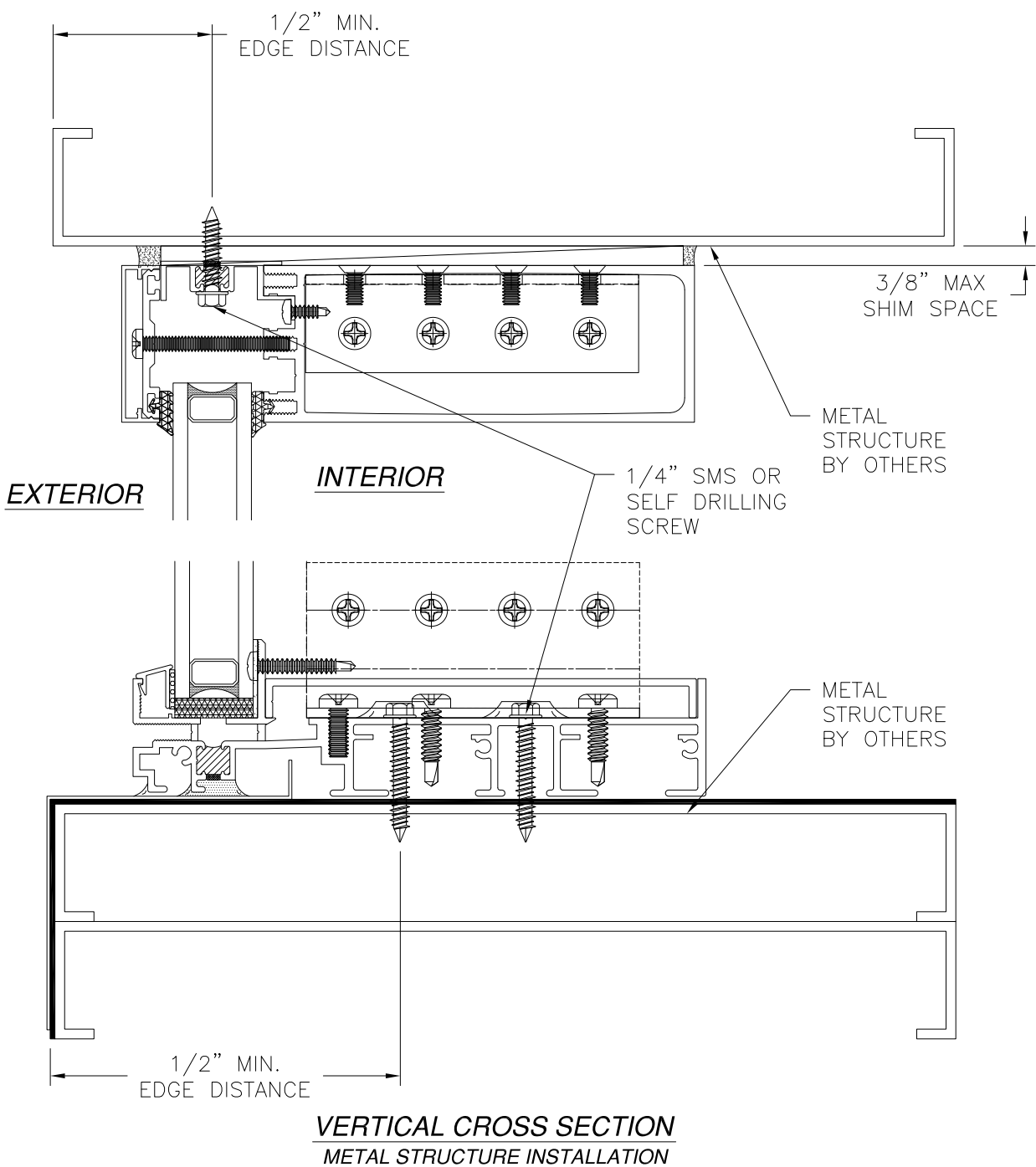
DATE 06/17/19

SHEET 6 OF 12

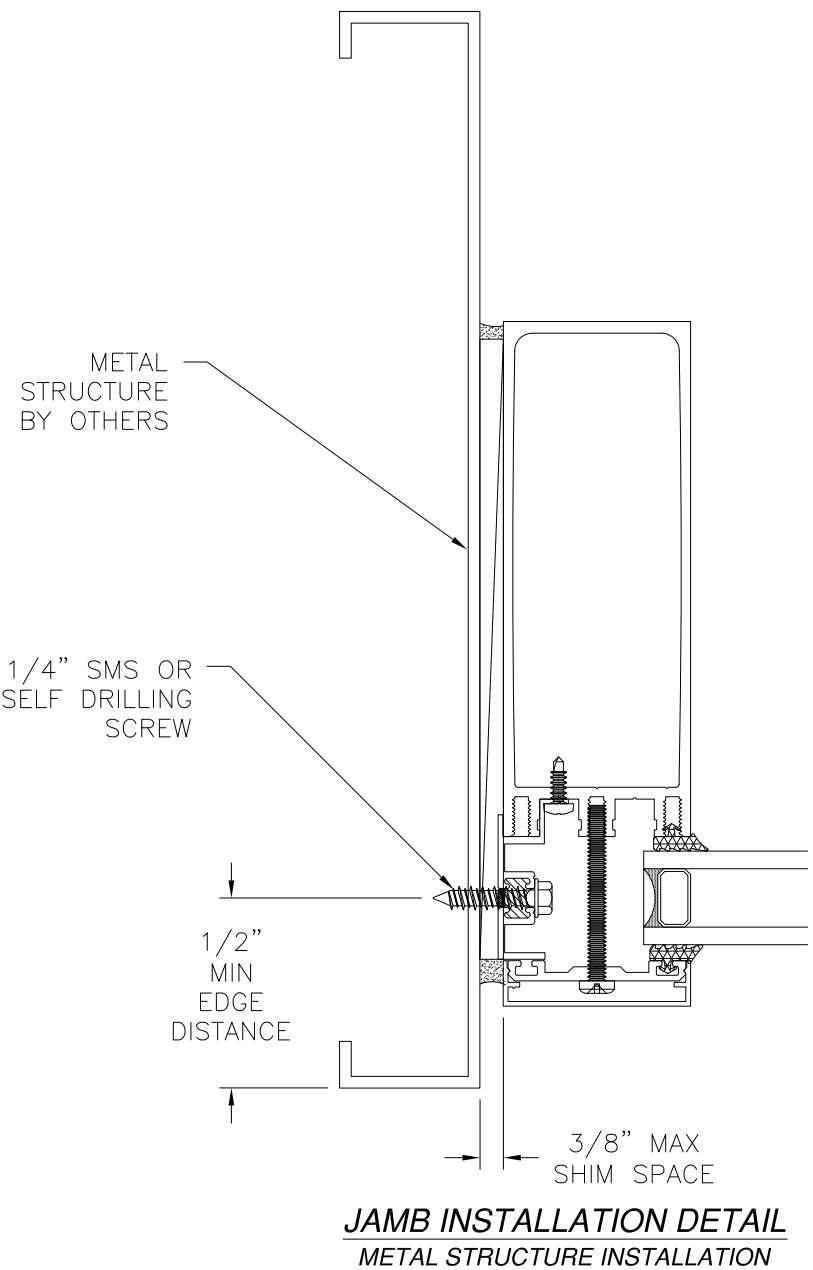
L. ROBERTO LOMAS P.E.
1432 WOODFORD RD LEWISVILLE, NC 27023
434-688-0609 rllomas@rlomaspe.com

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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.



- 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



SOLAR INNOVATIONS, INC.

31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
INSTALLATION DETAILS

DRAWN: A.R.

DWG NO. 08-03447

REV B

SCALE NTS

DATE 06/17/19

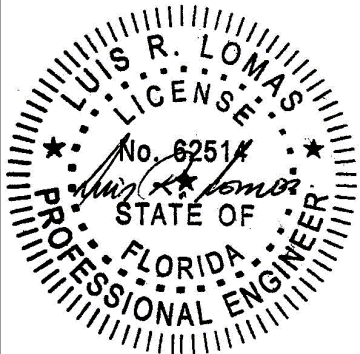
SHEET 7 OF 12

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

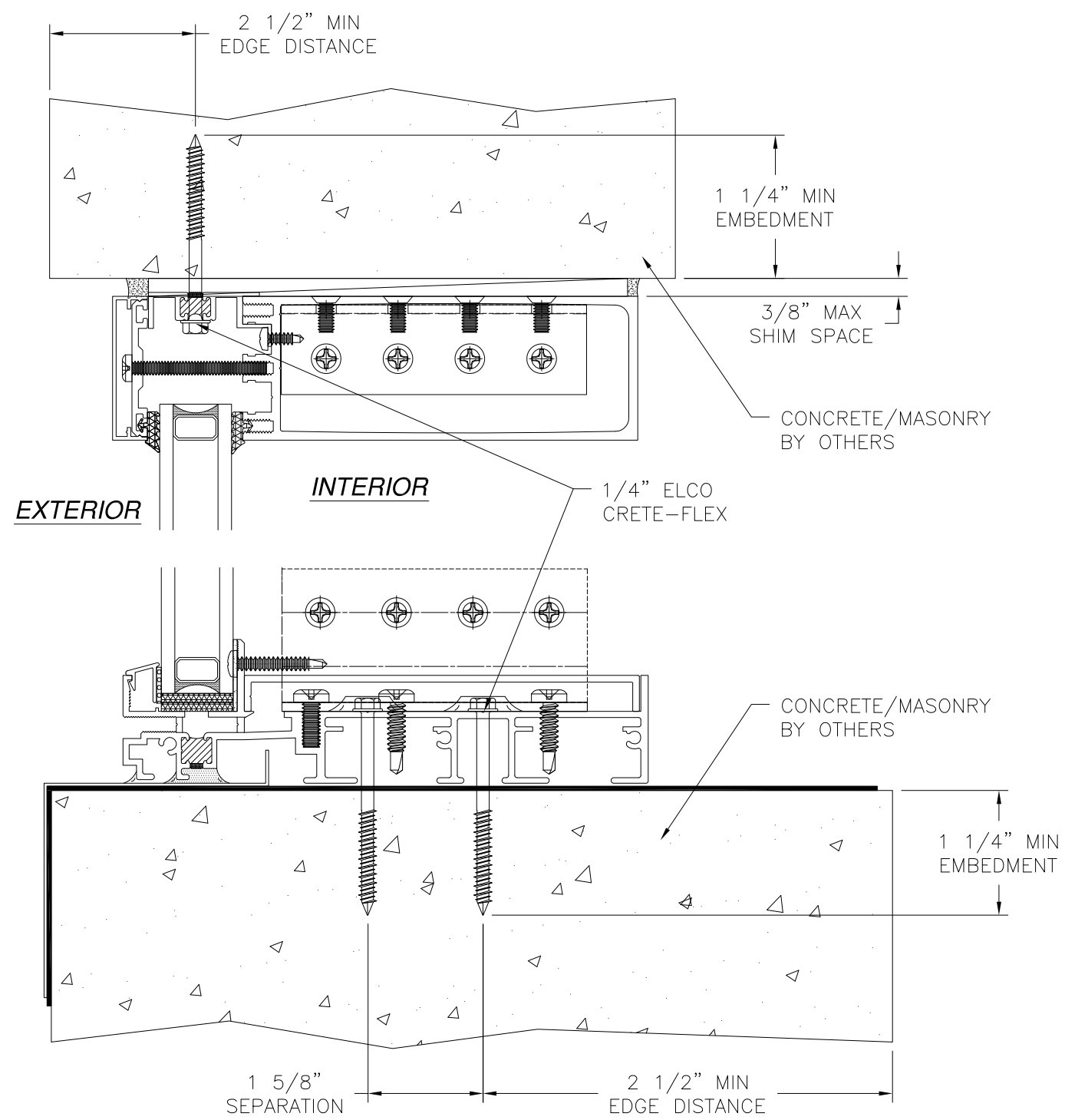
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 12/01/2023



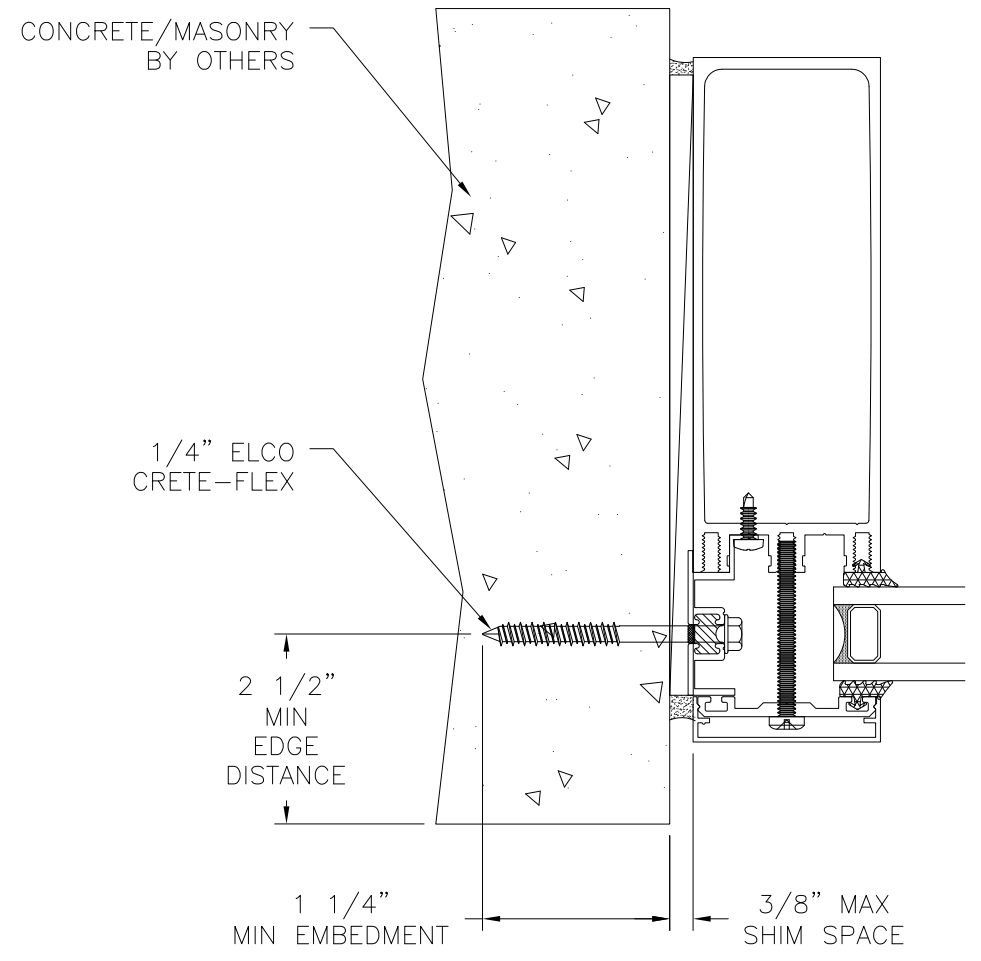
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.



VERTICAL 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



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

SOLAR INNOVATIONS, INC.

31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
INSTALLATION DETAILS

DRAWN: A.R.

DWG NO. 08-03447

REV B

SCALE NTS

DATE 06/17/19

SHEET 8 OF 12

L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

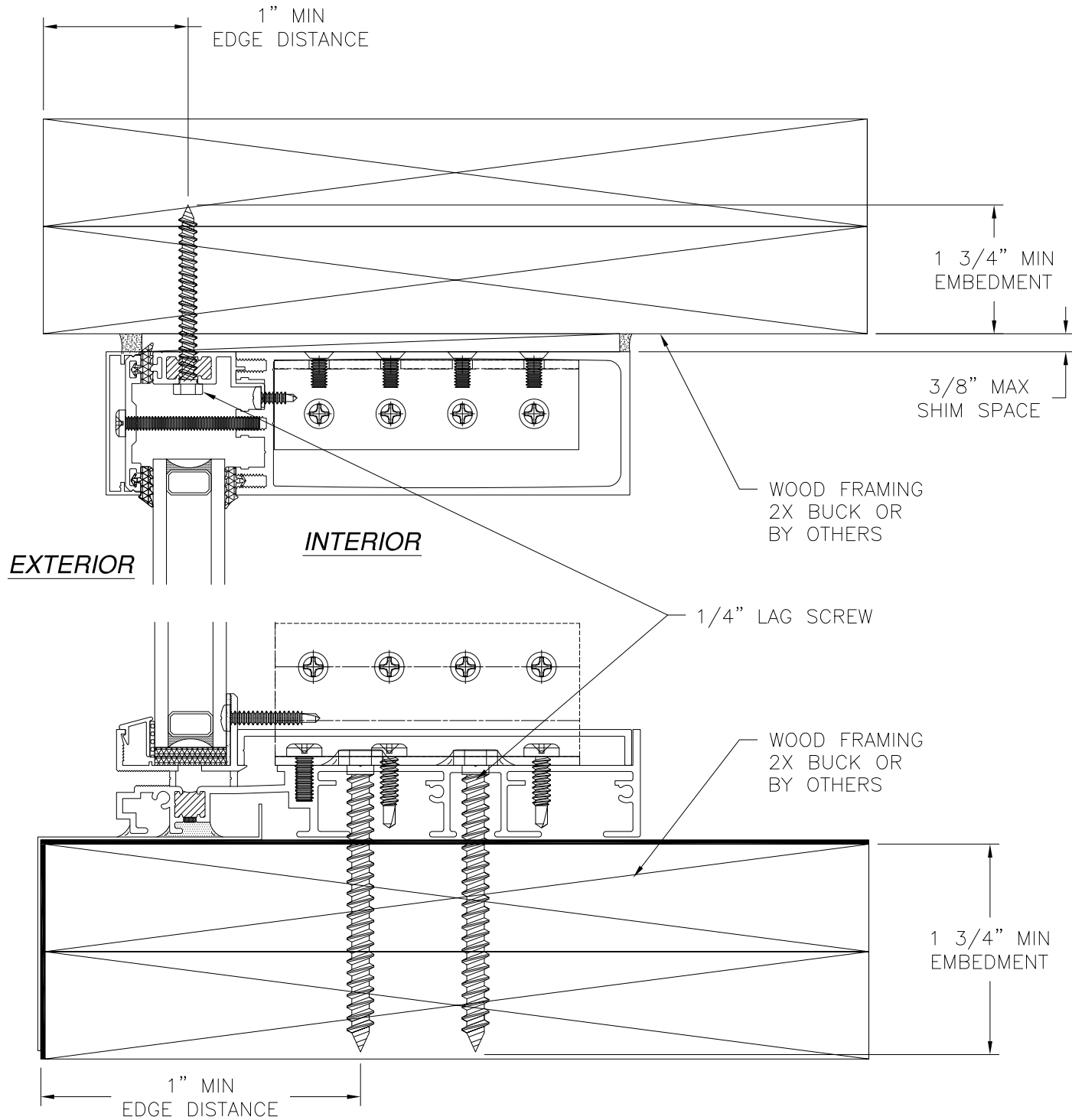
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 12/01/2023

Luis R. Lomas P.E.

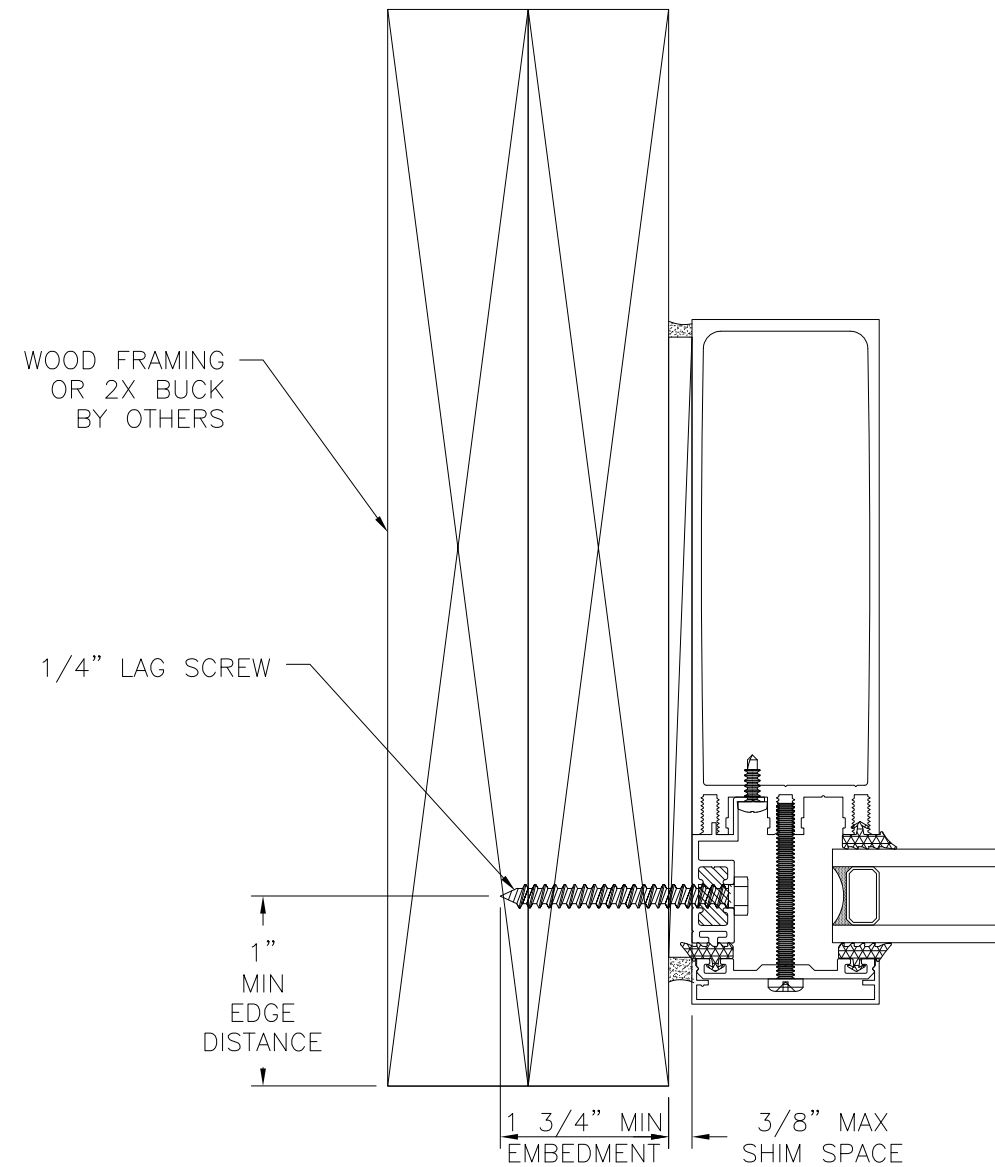
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION
WITH G2 JAMB FILLER

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



JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION
WITH G2 JAMB FILLER

SIGNED: 12/01/2023

SOLAR INNOVATIONS, INC.

31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT

INSTALLATION DETAILS WITH G2 JAMB FILLER

DRAWN: A.R.

DWG NO. 08-03447

REV B

SCALE NTS

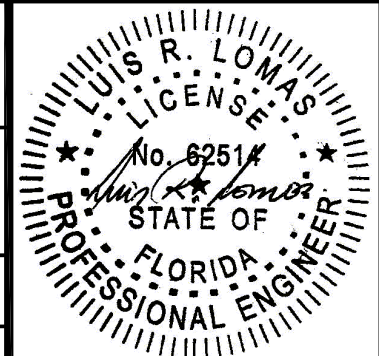
DATE 06/17/19

SHEET 9 OF 12

L. ROBERTO LOMAS P.E.

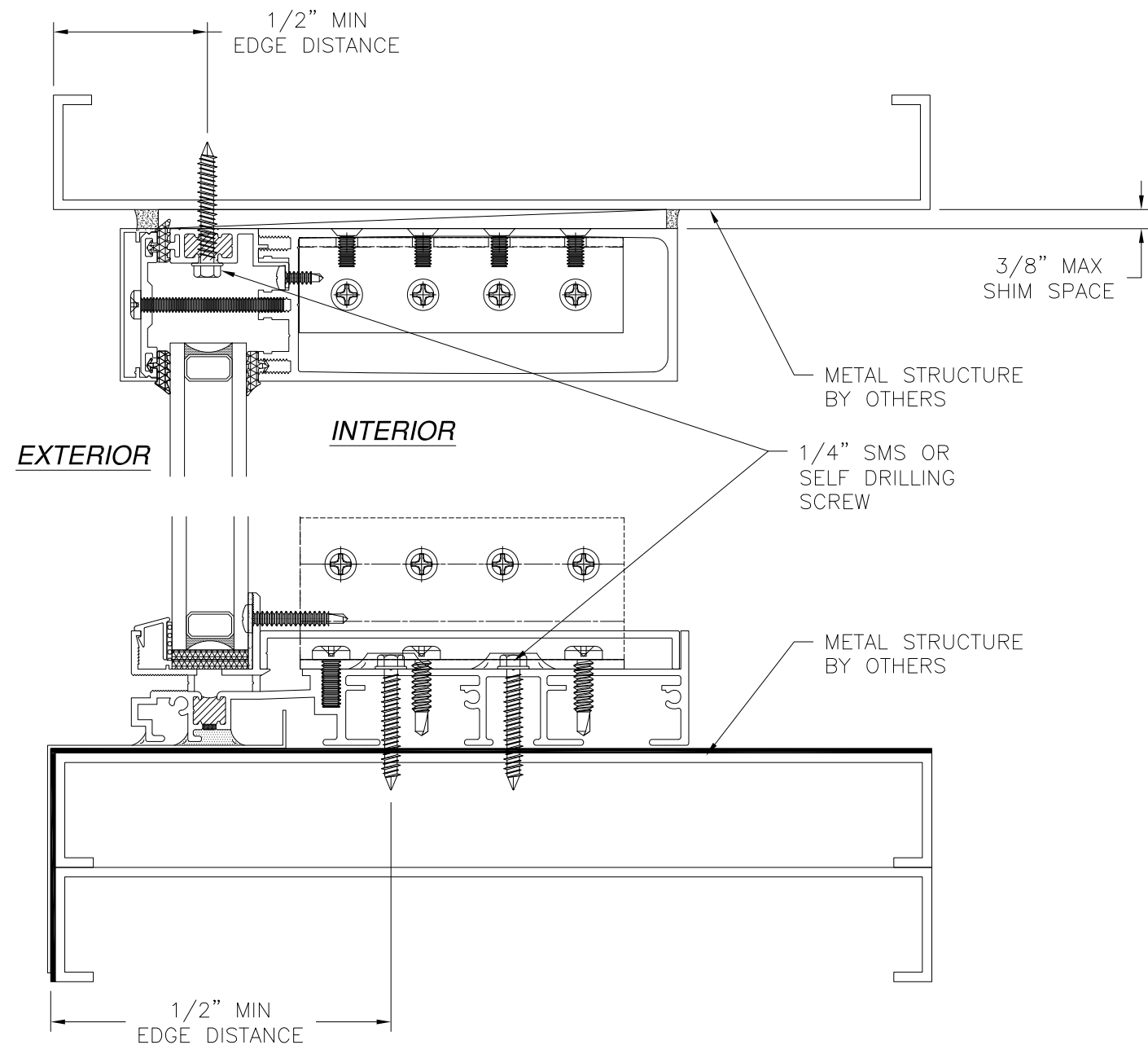
1432 WOODFORD RD LEWISVILLE, NC 27023

434-688-0609 rllomas@lrlomaspe.com



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

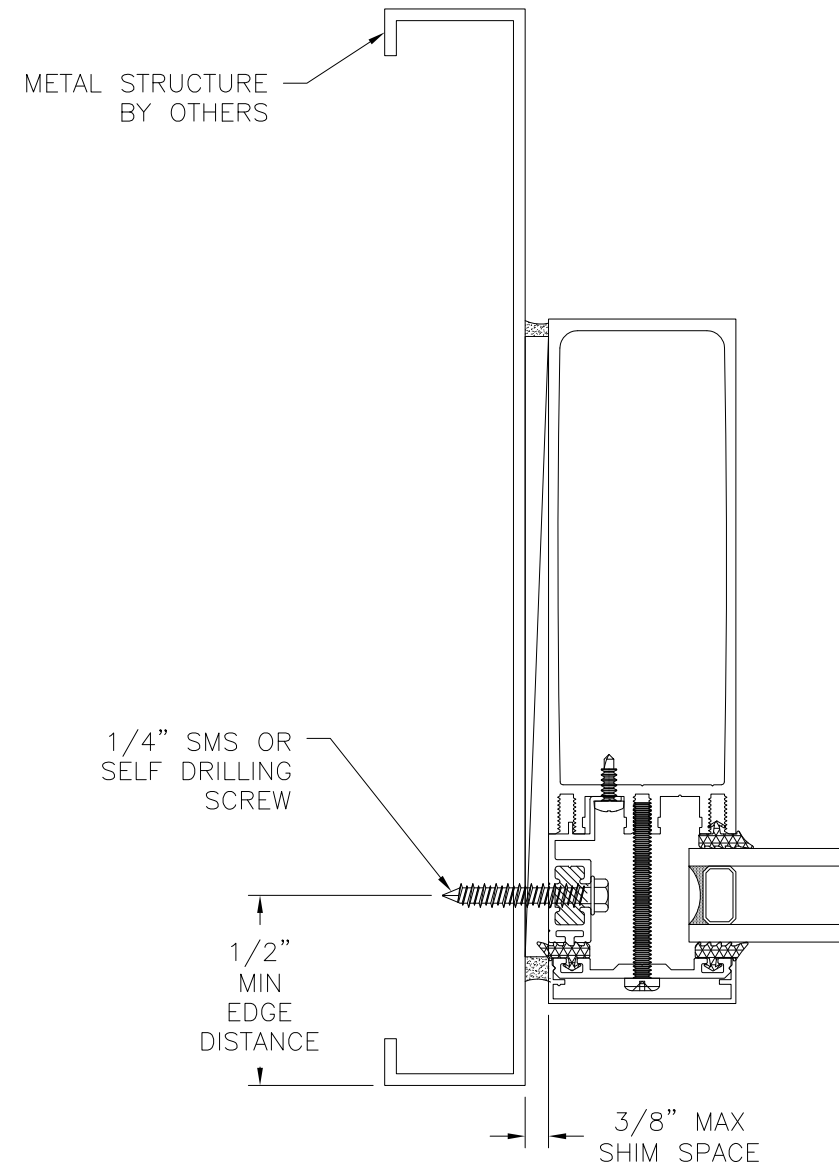
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.



VERTICAL CROSS SECTION
METAL STRUCTURE INSTALLATION
WITH G2 JAMB FILLER

NOTES:

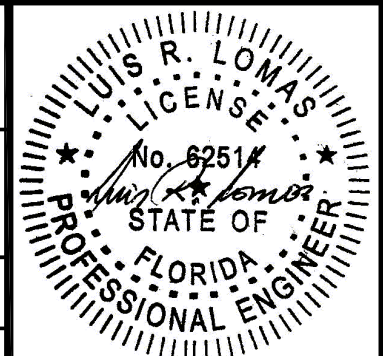
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION
WITH G2 JAMB FILLER

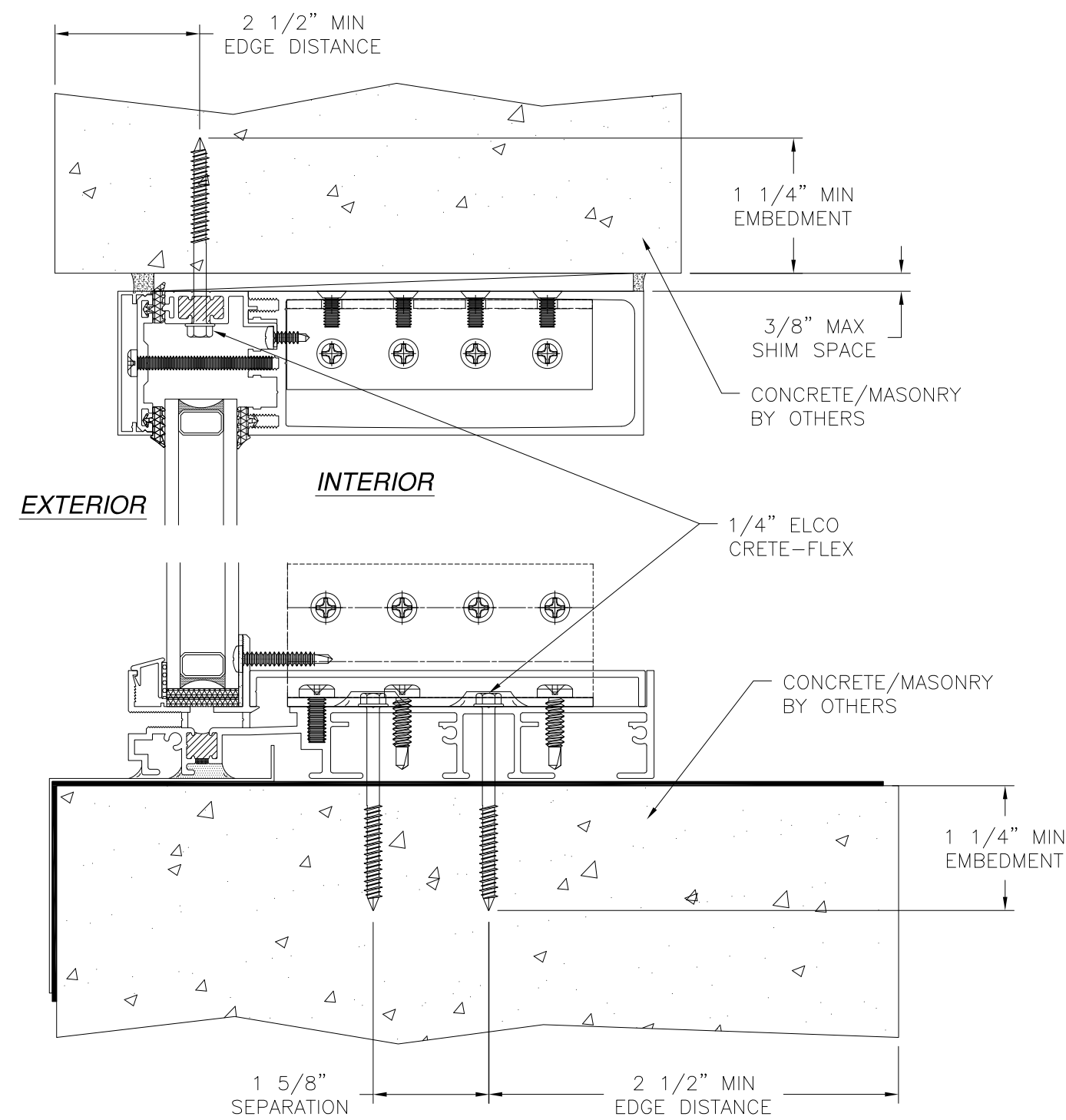
SIGNED: 12/01/2023

SOLAR INNOVATIONS, INC.		
31 ROBERTS RD PINE GROVE, PA 17963		
SERIES SI5100 ALUMINUM FIXED WINDOW NON-IMPACT INSTALLATION DETAILS WITH G2 JAMB FILLER		
DRAWN: A.R.	DWG NO. 08-03447	REV B
SCALE NTS	DATE 06/17/19	SHEET 10 OF 12
L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com		



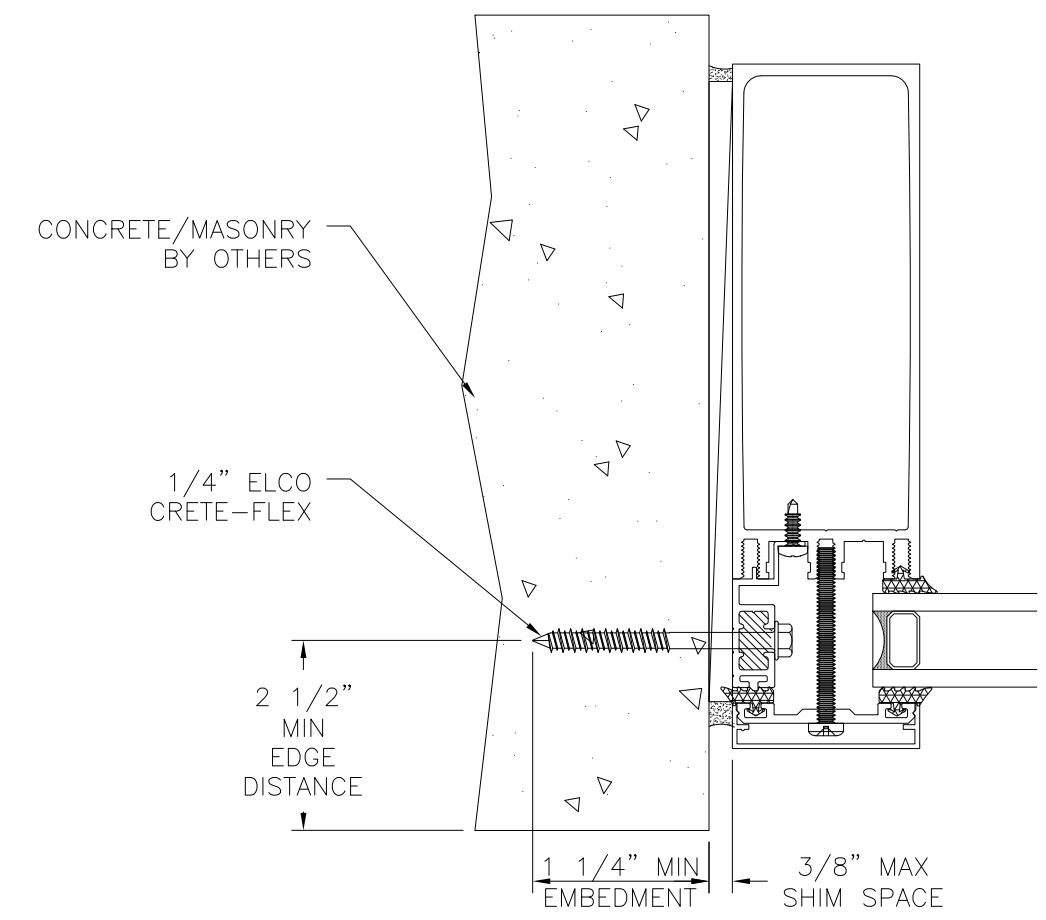
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION
WITH G2 JAMB FILLER

- 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



JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION
WITH G2 JAMB FILLER

SOLAR INNOVATIONS, INC.

31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
INSTALLATION DETAILS WITH G2 JAMB FILLER

DRAWN: A.R.

DWG NO. 08-03447

REV B

SCALE NTS

DATE 06/17/19

SHEET 11 OF 12

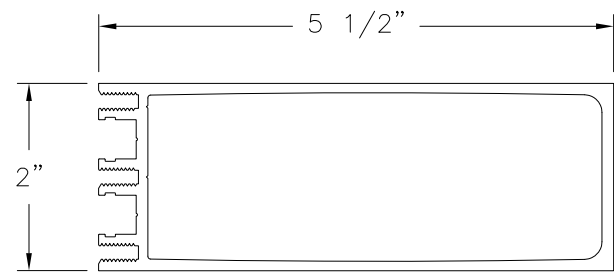
L. ROBERTO LOMAS P.E.

1432 WOODFORD RD LEWISVILLE, NC 27023

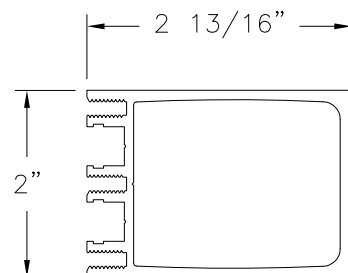
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 12/01/2023

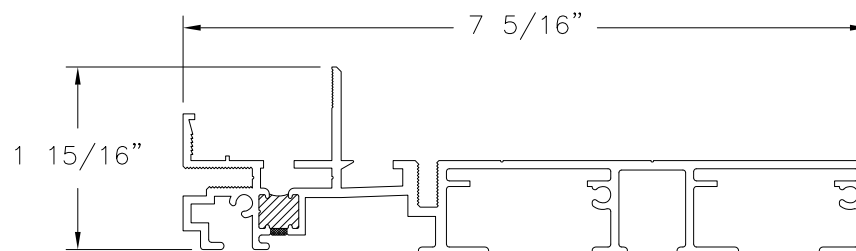
Luis R. Lomas P.E.
FL No.: 62514



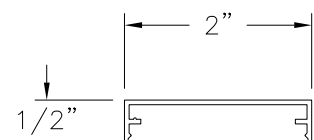
**G2 HEAVY
GLAZING BAR (11829)**



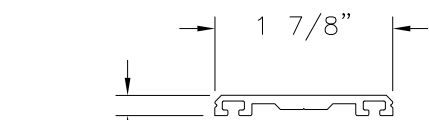
**G2 REGULAR
GLAZING BAR (12214)**



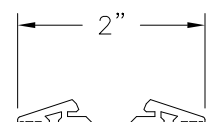
HEAVY SILL (35336)



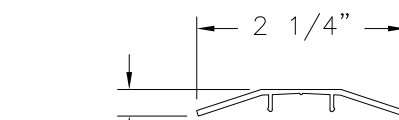
SNAP COVER (34791)



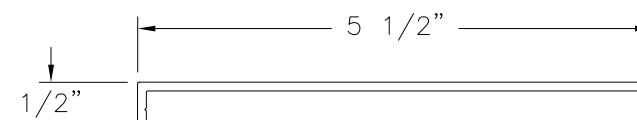
PRESSURE PLATE (34792)



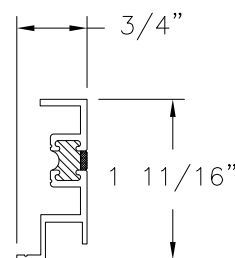
**BEVELED BAR
CAP (30442)**



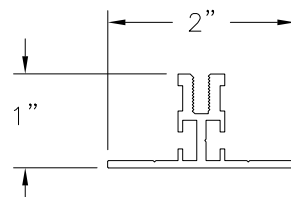
**BEVELED CAP
COVER (34399)**



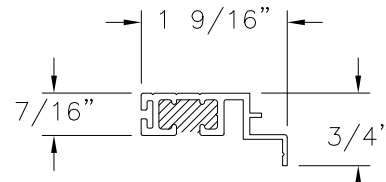
**HEAVY SILL
FILLER (33546)**



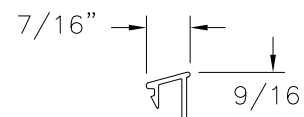
JAMB FILLER (30697)



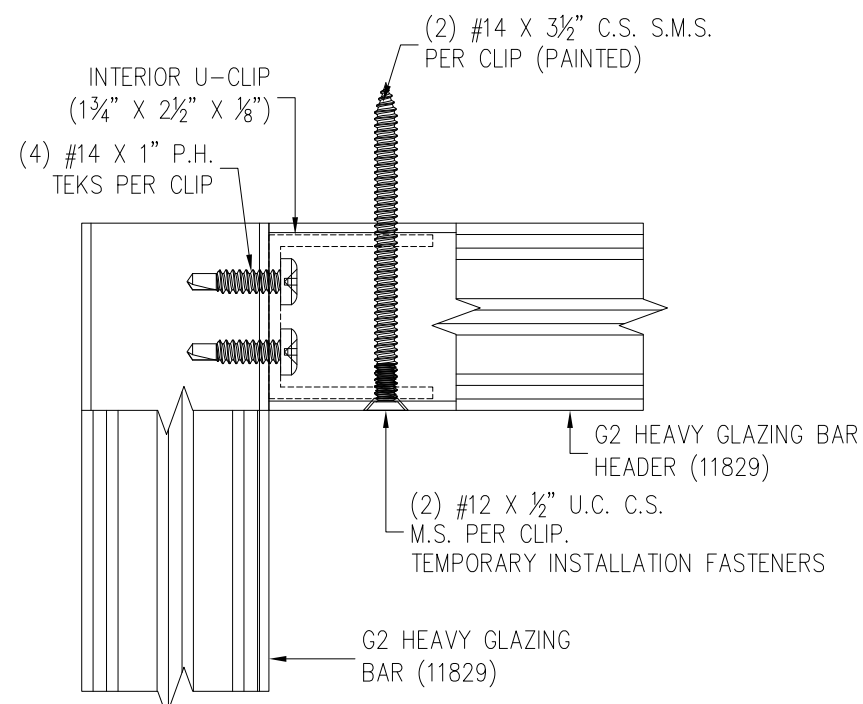
MUNTIN



**JAMB FILLER (53636)
ALTERNATE**



WEDGE



MITERED CORNER CONNECTION

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
B	REVISED COMPONENTS	12/01/23	R.L.

SOLAR INNOVATIONS, INC.

31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI5100 ALUMINUM FIXED WINDOW
NON-IMPACT
COMPONENTS

DRAWN:
A.R.

DWG NO.

08-03447

REV
B

SCALE NTS

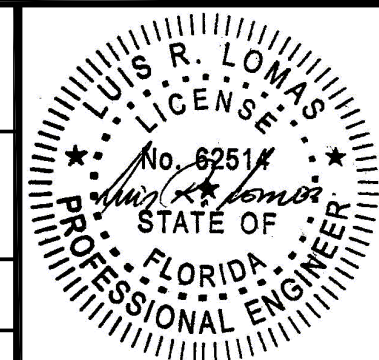
DATE

06/17/19

SHEET 12 OF 12

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

SIGNED: 12/01/2023



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