

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DETAILS	05/16/26	R.L.

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
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” 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. 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 UNIT FRAME 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: ALUMINUM 6063–T5.
12. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 16 FOR GLASS 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 1/4” LAG BOLTS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/2” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
15. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4” TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4” 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 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.
17. ALL FASTENERS TO BE CORROSION RESISTANT ACCORDING TO THE FBC CHAPTER 17 .
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 2,000 PSI.
 - C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.
 - D. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM

SIGNED: 05/19/2026

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2 – 3	ELEVATIONS & CHARTS
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SOLAR INNOVATIONS

31 ROBERTS RD
PINE GROVE, PA 17963

RD SI5200 LEAN TO G2 RV
GLAZED STRUCTURE
NOTES

DRAWN:
A.R.

DWG NO.
08–03537

REV
C

SCALE NTS

DATE 03/19/20

SHEET 1 OF 18

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LUIS R. LOMAS

LICENSE

No. 62514

STATE OF FLORIDA

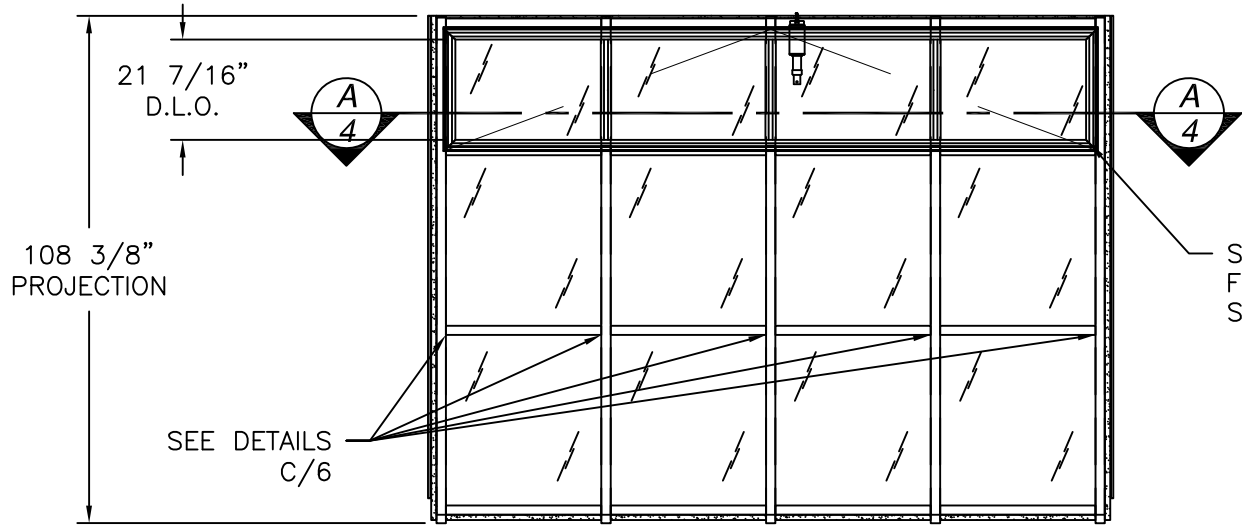
PROFESSIONAL ENGINEER

Luis R. Lomas P.E.

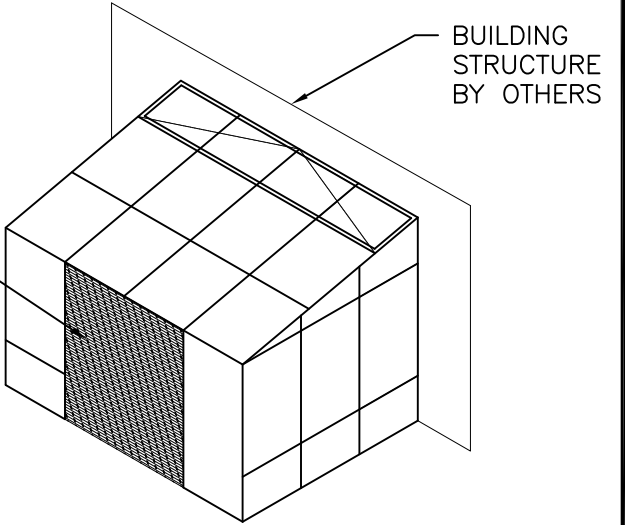
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NOTES:
1. PANEL SIZE: 35 5/8" X 76 7/8"
2. D.L.O.: 31 5/8" X 73 3/8"

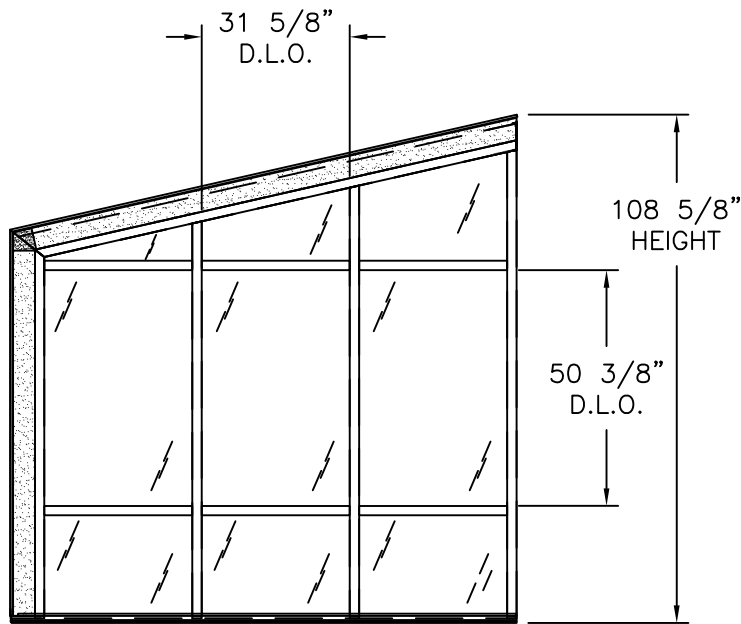
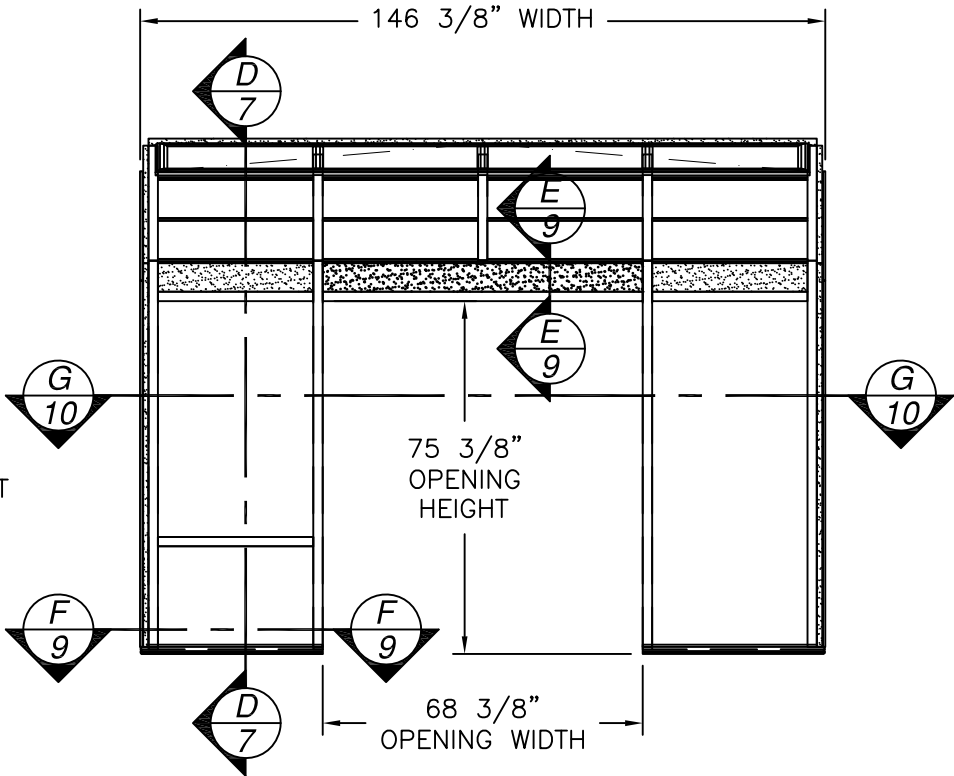
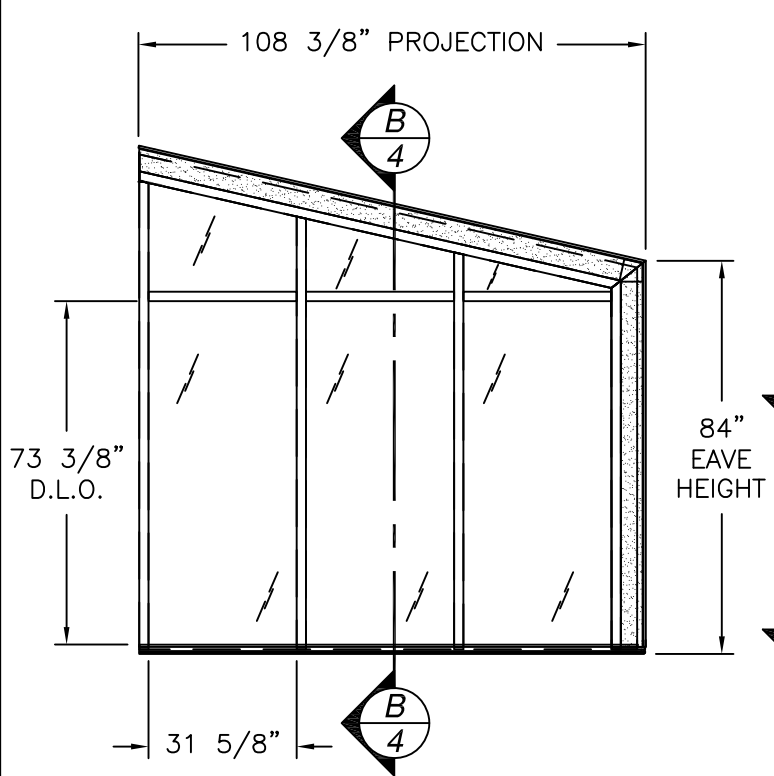
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FENESTRATION SYSTEM
TO BE INSTALLED
IN OPENING
MUST HAVE ITS
OWN PRODUCT APPROVAL



ISOMETRIC VIEW



RD SI5200 LEAN TO G2 RV GLAZED

DESIGN PRESSURE RATING	IMPACT RATING
±65.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4
SEE CHARTS #1 AND #2 SHEET 3 FOR OTHER SIZES RATINGS

HARDWARE SCHEDULE

A.	ELECTRICAL LINEAR ACTUATOR WITH TIE BAR AT MIDSPAN OF HEAD
B.	METAL HANDLE/LOCK AT MIDSPAN OF EACH VENT LITE
C.	METAL KEEPER AT LOCK LOCATIONS ON VENT BOTTOM RAIL
D.	INTEGRAL CONTINUOUS HINGE AT VENT TOP RAIL AND VENT FRAME HEAD

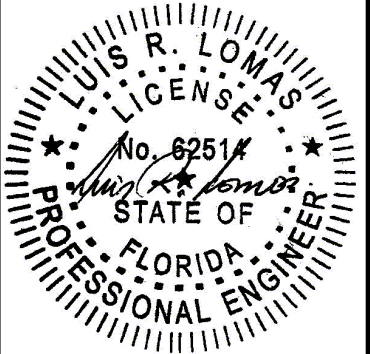
SOLAR INNOVATIONS
31 ROBERTS RD
PINE GROVE, PA 17963

RD SI5200 LEAN TO G2 RV
GLAZED STRUCTURE
ELEVATIONS

DRAWN: A.R.	DWG NO. 08-03537	REV C
SCALE NTS	DATE 03/19/20	SHEET 2 OF 18

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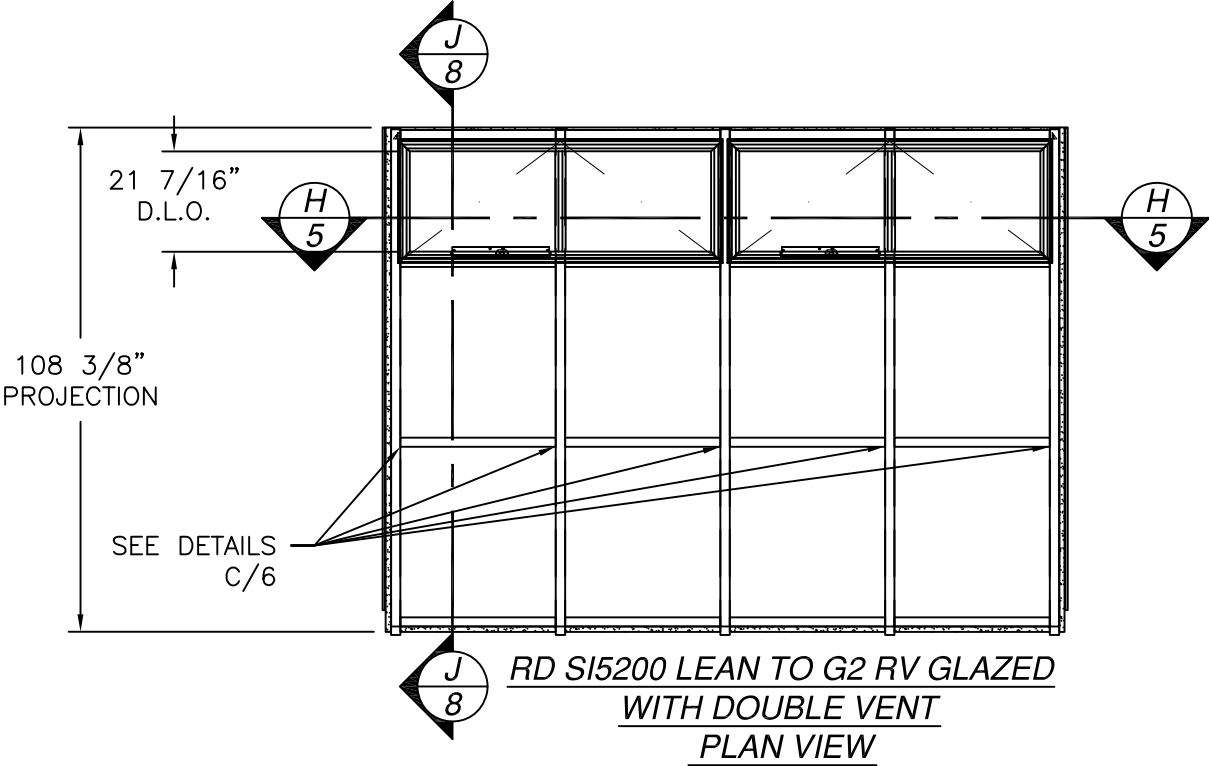


Chart #1 Design pressure for enclosure (psf)

Enclosure volume (ft³)	Dp (psf)
216.0	80.0
288.0	80.0
360.0	80.0
432.0	80.0
504.0	80.0
576.0	80.0
648.0	80.0
720.0	79.8
792.0	72.6
884.2	65.0
936.0	61.4
1008.0	57.0
1080.0	53.2
1152.0	49.9
1224.0	47.0
1296.0	44.3
1326.0	43.3

Dp's are positive and negative

Chart #2 Panel Design pressure (psf)

Panel Height (in)	Panel width (in)																
	24.00	30.00	36.25	42.00	48.00	54.00	60.00	66.00	72.00	78.00	84.00	90.00	96.00	102.00	108.00	114.00	120.00
24.00	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	77.3	72.7	68.7	65.1	61.8
30.00	80.0	80.0	80.0	80.0	80.0	80.0	79.1	76.7	74.7	73.0	70.6	65.9	61.8	58.2	54.9	52.1	49.4
36.00	80.0	80.0	80.0	80.0	76.9	73.3	70.3	67.9	65.9	63.4	58.9	54.9	51.5	48.5	45.8	43.4	41.2
42.00	80.0	80.0	80.0	75.3	70.6	67.0	64.0	61.6	58.9	54.3	50.5	47.1	44.2	41.6	39.2	37.2	35.3
48.00	80.0	80.0	76.6	70.6	65.9	62.3	59.3	56.2	51.5	47.5	44.2	41.2	38.6	36.4	34.3	32.5	30.9
54.00	80.0	80.0	73.0	67.0	62.3	58.6	54.9	49.9	45.8	42.3	39.2	36.6	34.3	32.3	30.5	28.9	27.5
60.00	80.0	79.1	70.0	64.0	59.3	54.9	49.4	45.0	41.2	38.0	35.3	33.0	30.9	29.1	27.5	26.0	24.7
66.00	80.0	76.7	67.6	61.6	56.2	49.9	45.0	40.9	37.5	34.6	32.1	30.0	28.1	26.4	25.0	23.7	22.5
72.00	80.0	74.7	65.6	58.9	51.5	45.8	41.2	37.5	34.3	31.7	29.4	27.5	25.8	24.2	22.9	21.7	20.6
78.00	80.0	73.0	63.0	54.3	47.5	42.3	38.0	34.6	31.7	29.3	27.2	25.4	23.8	22.4	21.1	20.0	19.0
84.00	80.0	70.6	58.5	50.5	44.2	39.2	35.3	32.1	29.4	27.2	25.2	23.5	22.1	20.8	19.6	18.6	17.7
90.00	80.0	65.9	54.6	47.1	41.2	36.6	33.0	30.0	27.5	25.4	23.5	22.0	20.6	19.4	18.3	17.4	16.5
96.00	77.3	61.8	51.2	44.2	38.6	34.3	30.9	28.1	25.8	23.8	22.1	20.6	19.3	18.2	17.2	16.3	15.5
102.00	72.7	58.2	48.1	41.6	36.4	32.3	29.1	26.4	24.2	22.4	20.8	19.4	18.2	17.1	16.2	15.3	-
108.00	68.7	54.9	45.5	39.2	34.3	30.5	27.5	25.0	22.9	21.1	19.6	18.3	17.2	16.2	15.3	-	-
114.00	65.1	52.1	43.1	37.2	32.5	28.9	26.0	23.7	21.7	20.0	18.6	17.4	16.3	15.3	-	-	-
120.00	61.8	49.4	40.9	35.3	30.9	27.5	24.7	22.5	20.6	19.0	17.7	16.5	15.5	-	-	-	-

Design pressures are positive and negative

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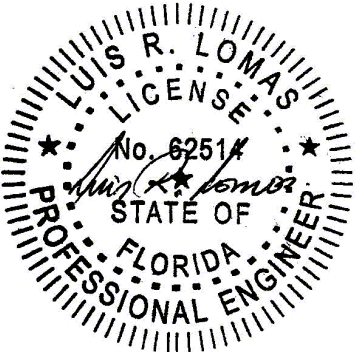
SOLAR INNOVATIONS

31 ROBERTS RD
PINE GROVE, PA 17963

RD SI5200 LEAN TO G2 RV
GLAZED STRUCTURE
D.P. CHARTS, ELEVATION AND CROSS SECTIONS

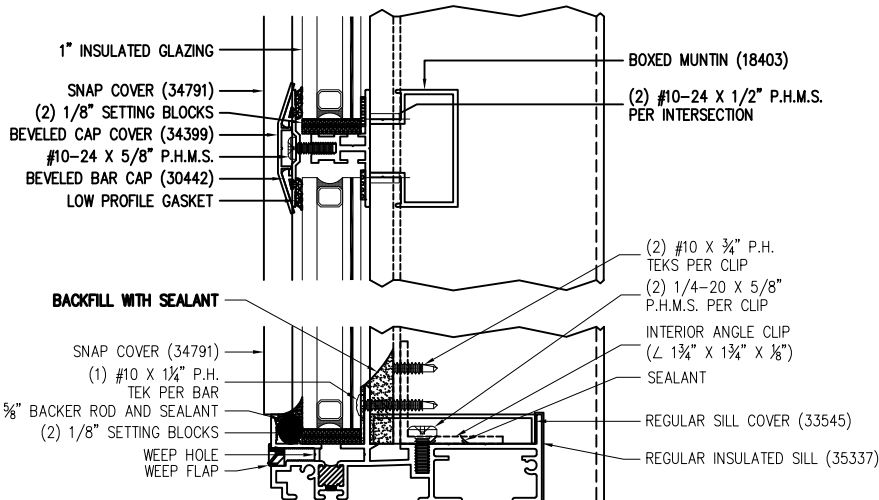
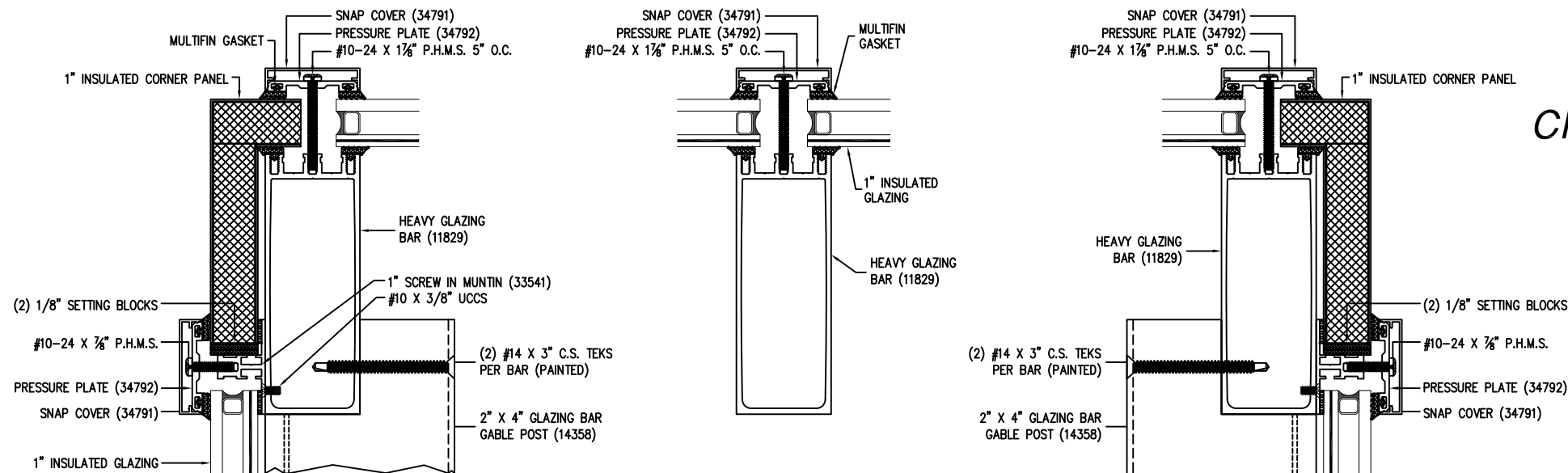
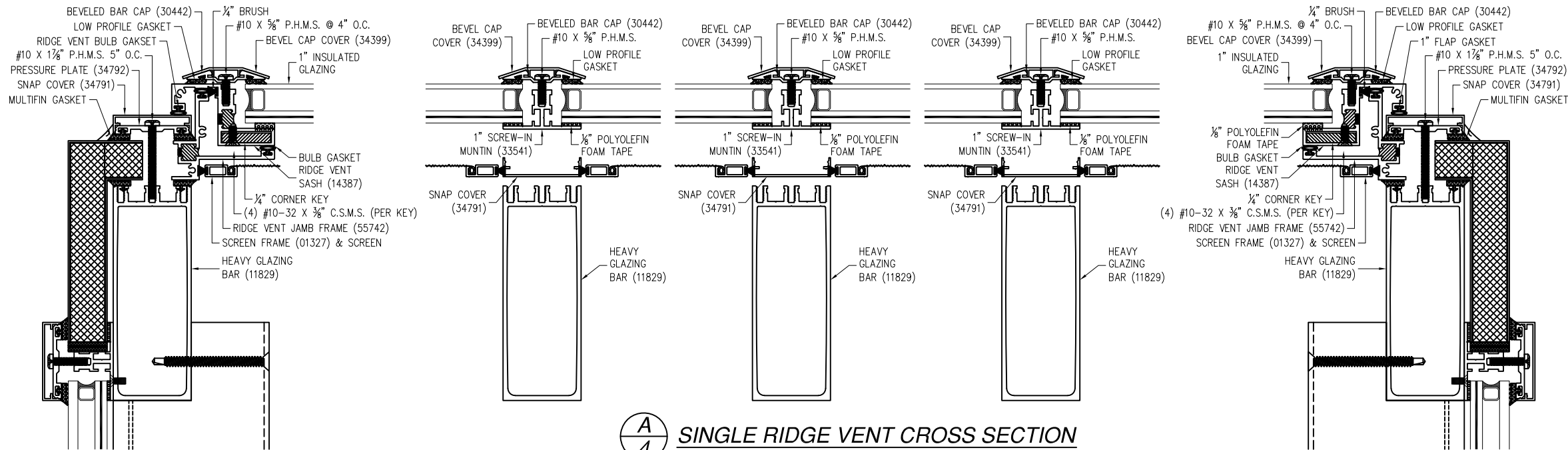
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SCALE NTS	DATE 03/19/20	SHEET 3 OF 18

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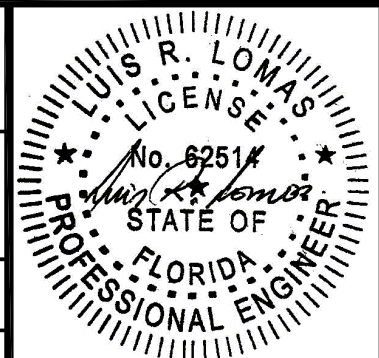
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**CROSS SECTIONS FOR REFERENCE ONLY
SEE SHEETS 11 - 14
FOR ANCHOR INSTALLATION DETAIL**

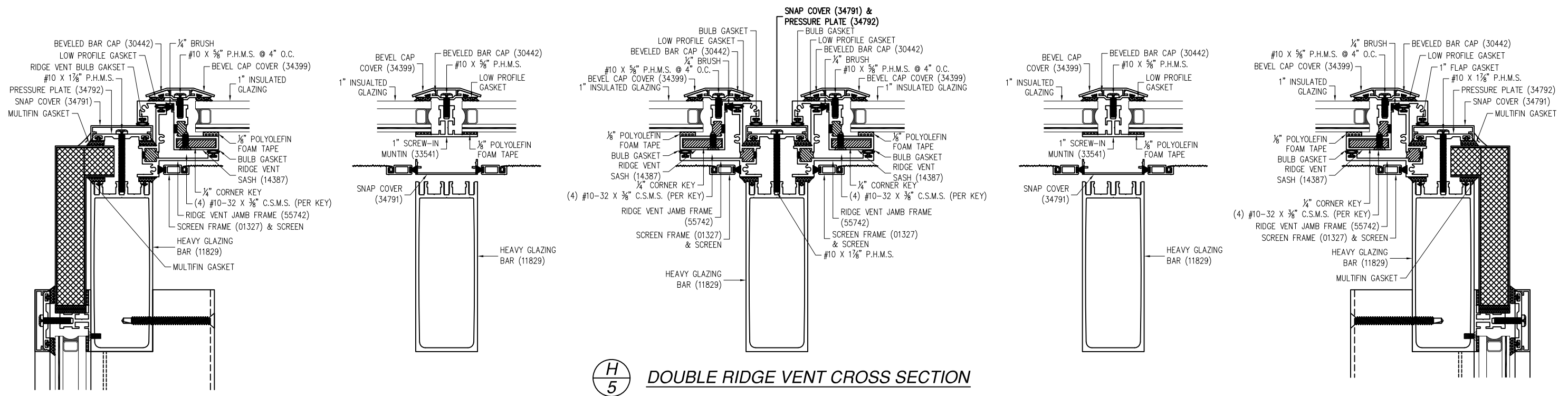
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SOLAR INNOVATIONS 31 ROBERTS RD PINE GROVE, PA 17963		
RD SI5200 LEAN TO G2 RV GLAZED STRUCTURE CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03537	REV C
SCALE NTS	DATE 03/19/20	SHEET 4 OF 18
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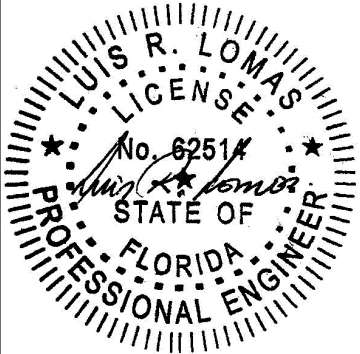
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H
5 DOUBLE RIDGE VENT CROSS SECTION

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RD SI5200 LEAN TO G2 RV GLAZED STRUCTURE CROSS SECTIONS		
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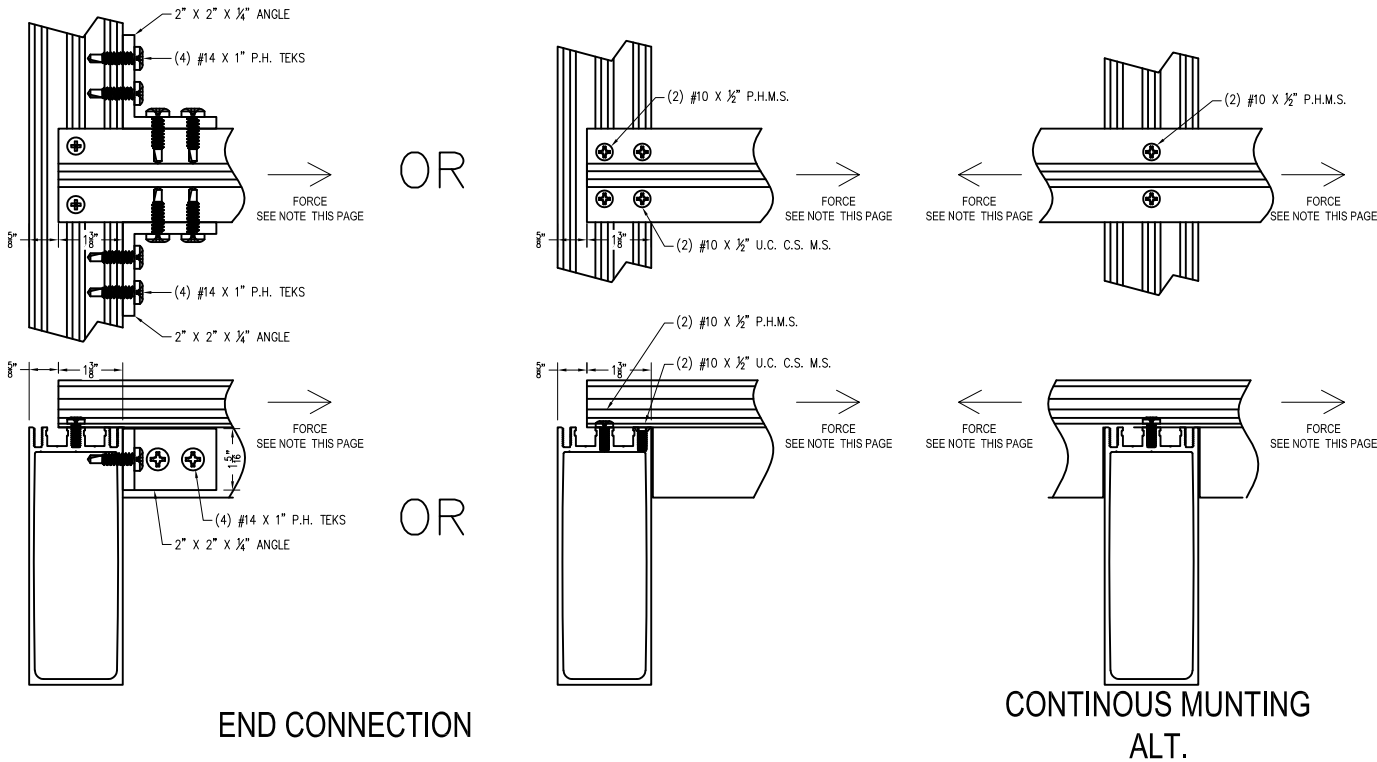


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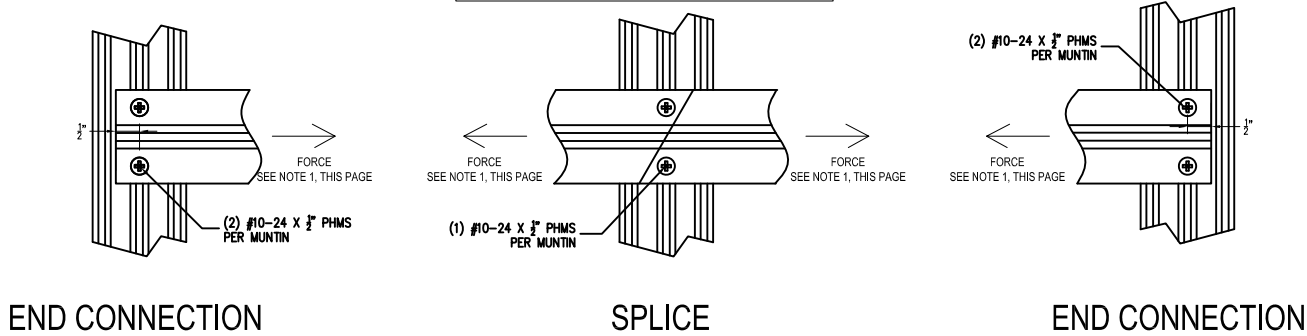
MUNTIN SUBJECT TO HIGH TENSION

NOTE: USE THESE DETAILS WHEN MUNTIN IS
SUBJECTED TO UNDER 600 POUNDS IN TENSION



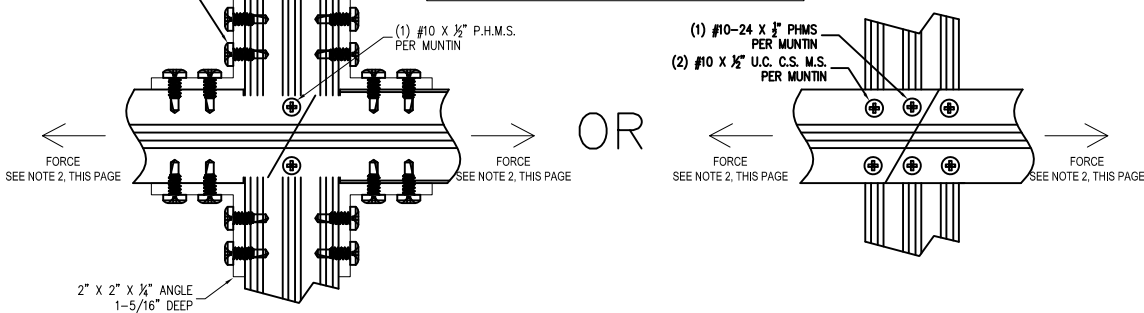
BOX MUNTIN CONNECTIONS

NOTE 1: USE THIS DETAIL WHEN MUNTIN IS
SUBJECTED TO UNDER 100 POUNDS IN TENSION



MUNTIN SUBJECT TO HIGH TENSION
SPlice DETAILS

NOTE 2: USE THIS DETAIL WHEN MUNTIN IS
SUBJECTED TO UNDER 600 POUNDS IN TENSION

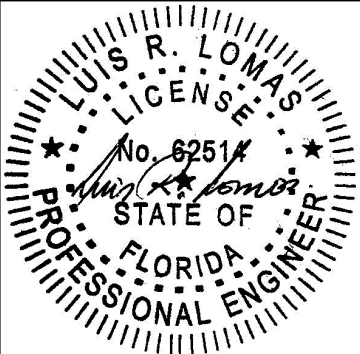


C
6

MUNTIN CONNECTIONS

SIGNED: 05/19/2026

SOLAR INNOVATIONS 31 ROBERTS RD PINE GROVE, PA 17963		
RD SI5200 LEAN TO G2 RV GLAZED STRUCTURE CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03537	REV C
SCALE NTS	DATE 03/19/20	SHEET 6 OF 18
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SEE SHEETS 11 - 14 FOR ANCHOR INSTALLATION DETAIL

**SEE SHEETS 11 - 14
FOR ANCHOR INSTALLATION DETAIL**

COMPONENTS AND PARTS:

- BEVELED BAR CAP (30442)
- RIDGE VENT SASH (14387)
- BEVEL CAP COVER (34399)
- #10 X 5/8" P.H.M.S. @ 5" O.C.
- BULB GASKET
- LOW PROFILE GASKET
- SEALANT
- RIDGE VENT BULB GASKET
- (2) 1/8" SETTING BLOCKS
- SNAP COVER (34791)
- #10 X 7/8" P.H.M.S.
- PRESSURE PLATE (34792)
- BEVELED CAP COVER (34399)
- BEVELED BAR CAP (30442)
- LOW PROFILE GASKET
- SNAP COVER (34791)
- (2) 1/8" SETTING BLOCKS
- #10-24 X 5/8" P.H.M.S.
- BEVELED BAR CAP (30442)
- BEVELED CAP COVER (34399)
- 1/8" POLYOLEFIN FOAM TAPE
- 1" INSULATED EAVE PANEL
- SNAP COVER (34791)
- (2) #10-24 X 1/2" P.H.M.S. PER INTERSECTION
- 1" SCREW IN BOX MUNTIN (11754)
- 5/8"
- (2) 1/8" SETTING BLOCKS
- BEVELED CAP COVER (34399)
- #10-24 X 5/8" P.H.M.S.
- BEVELED BAR CAP (30442)
- LOW PROFILE GASKET
- 1" INSULATED GLAZING
- 1/8" POLYOLEFIN FOAM TAPE
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- HEAVY GLAZING BAR (11829)
- SNAP COVER (34791)
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- BEVELED CAP COVER (34399)
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- BEVELED BAR CAP (30442)
- LOW PROFILE GASKET
- BACKFILL WITH SEALANT
- SNAP COVER (34791)
- (1) #10 X 1/4" P.H. TEK PER BAR
- 5/8" BACKER ROD AND SEALANT
- (2) 1/8" SETTING BLOCKS
- WEEP HOLE
- WEEP FLAP
- 1" SCREW-IN BOXED MUNTIN (11754)
- (2) #10-24 X 1/2" P.H.M.S. PER INTERSECTION
- HEAVY GLAZING BAR (11829)
- INTERIOR ANGLE CLIP (L 1 3/4" X 1 3/4" X 1/8")
- (2) #10 X 3/4" P.H. TEKS PER CLIP
- (2) 1/4-20 X 5/8" P.H.M.S. PER CLIP
- SEALANT
- HEAVY GLAZING BAR (11829)
- HEAVY SILL COVER (33546)
- HEAVY INSULATED SILL (35336)
- BEVELED BAR CAP (30442)
- RIDGE VENT SASH (14387)
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- (2) 1/8" SETTING BLOCKS
- BEVELED CAP COVER (34399)
- #10-24 X 5/8" P.H.M.S.
- BEVELED BAR CAP (30442)
- LOW PROFILE GASKET
- 1" INSULATED GLAZING
- 1/8" POLYOLEFIN FOAM TAPE
- 1" SCREW IN BOX MUNTIN (11754)
- HEAVY GLAZING BAR (11829)
- SNAP COVER (34791)
- (2) 1/8" SETTING BLOCKS
- BEVELED CAP COVER (34399)
- #10-24 X 5/8" P.H.M.S.
- BEVELED BAR CAP (30442)
- LOW PROFILE GASKET
- BACKFILL WITH SEALANT
- SNAP COVER (34791)
- (1) #10 X 1/4" P.H. TEK PER BAR
- 5/8" BACKER ROD AND SEALANT
- (2) 1/8" SETTING BLOCKS
- WEEP HOLE
- WEEP FLAP
- 1" SCREW-IN BOXED MUNTIN (11754)
- (2) #10-24 X 1/2" P.H.M.S. PER INTERSECTION
- HEAVY GLAZING BAR (11829)
- INTERIOR ANGLE CLIP (L 1 3/4" X 1 3/4" X 1/8")
- (2) #10 X 3/4" P.H. TEKS PER CLIP
- (2) 1/4-20 X 5/8" P.H.M.S. PER CLIP
- SEALANT
- HEAVY GLAZING BAR (11829)
- HEAVY SILL COVER (33546)
- HEAVY INSULATED SILL (35336)
- BEVELED BAR CAP (30442)
- RIDGE VENT SASH (14387)
- BEVEL CAP COVER (34399)
- #10 X 5/8" P.H.M.S. @ 5" O.C.
- BULB GASKET
- LOW PROFILE GASKET
- SEALANT
- RIDGE VENT BULB GASKET
- (2) 1/8" SETTING BLOCKS
- SNAP COVER (34791)
- #10 X 7/8" P.H.M.S.
- PRESSURE PLATE (34792)
- BEVELED CAP COVER (34399)
- BEVELED BAR CAP (30442)
- LOW PROFILE GASKET
- SNAP COVER (34791)
- (2) 1/8" SETTING BLOCKS
- #10-24 X 5/8" P.H.M.S.
- BEVELED BAR CAP (30442)
- BEVELED CAP COVER (34399)
- 1/8" POLYOLEFIN FOAM TAPE
- 1" INSULATED EAVE PANEL
- SNAP COVER (34791)
- (2) #10-24 X 1/2" P.H.M.S. PER INTERSECTION
- 1" SCREW IN BOX MUNTIN (11754)
- 5/8"
- (2) 1/8" SETTING BLOCKS
- BEVELED CAP COVER (34399)
- #10-24 X 5/8" P.H.M.S.
- BEVELED BAR CAP (30442)
- LOW PROFILE GASKET
- 1" INSULATED GLAZING
- 1/8" POLYOLEFIN FOAM TAPE
- 1" SCREW IN BOX MUNTIN (11754)
- HEAVY GLAZING BAR (11829)
- SNAP COVER (34791)
- (2) 1/8" SETTING BLOCKS
- BEVELED CAP COVER (34399)
- #10-24 X 5/8" P.H.M.S.
- BEVELED BAR CAP (30442)
- LOW PROFILE GASKET
- BACKFILL WITH SEALANT
- SNAP COVER (34791)
- (1) #10 X 1/4" P.H. TEK PER BAR
- 5/8" BACKER ROD AND SEALANT
- (2) 1/8" SETTING BLOCKS
- WEEP HOLE
- WEEP FLAP
- 1" SCREW-IN BOXED MUNTIN (11754)
- (2) #10-24 X 1/2" P.H.M.S. PER INTERSECTION
- HEAVY GLAZING BAR (11829)
- INTERIOR ANGLE CL

 RIDGE CROSS SECTION
FOR RIDGE VENT LOCKING OPTIONS SEE SHEET 16

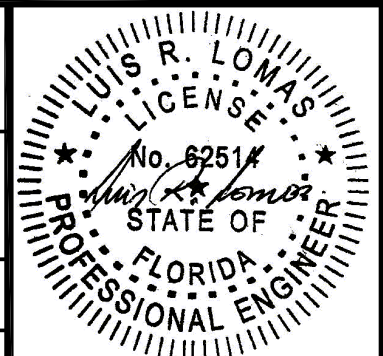
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SOLAR INNOVATIONS
31 ROBERTS RD
PINE GROVE, PA 17963

RD SI5200 LEAN TO G2 RV
GLAZED STRUCTURE
CROSS SECTIONS

DRAWN: A.R.		DWG NO. 08-03537		REV C
SCALE NTS	DATE 03/19/20	SHEET 7 OF 18		

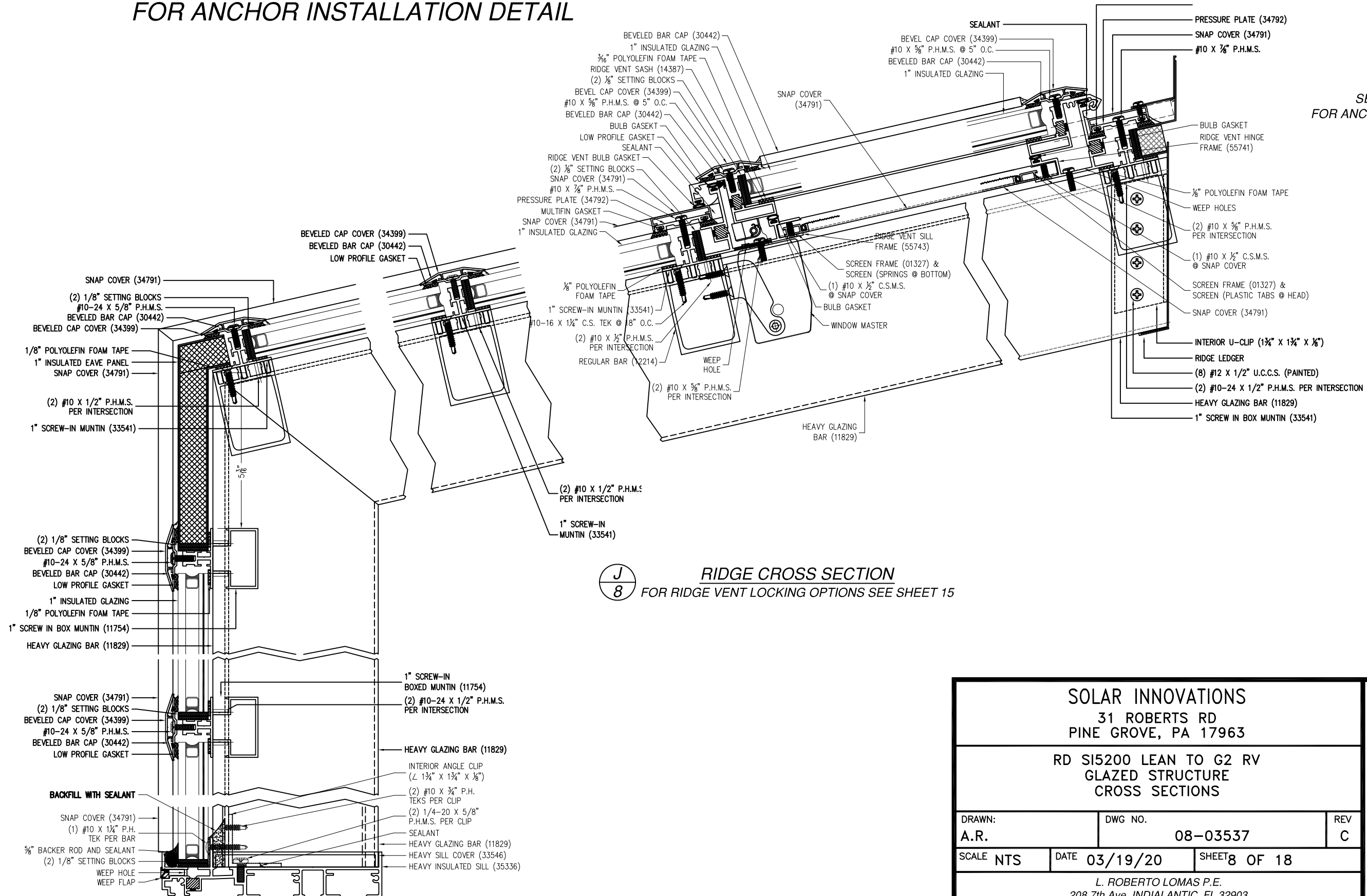
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Luis R. Lomas P.E.
FL No.: 62514

CROSS SECTIONS FOR REFERENCE ONLY
SEE SHEETS 11 - 14
FOR ANCHOR INSTALLATION DETAIL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DETAILS	05/16/26	R.L.



SEE SHEET 14
FOR ANCHOR INSTALLATION
DETAIL

J
8

RIDGE CROSS SECTION
FOR RIDGE VENT LOCKING OPTIONS SEE SHEET 15

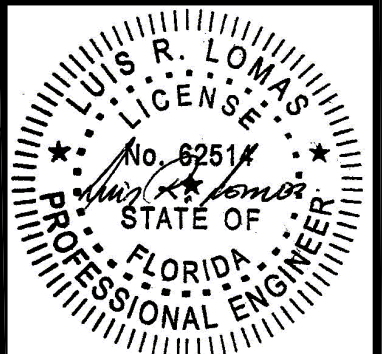
SIGNED: 05/19/2026

SOLAR INNOVATIONS
31 ROBERTS RD
PINE GROVE, PA 17963

RD SI5200 LEAN TO G2 RV
GLAZED STRUCTURE
CROSS SECTIONS

DRAWN: A.R.	DWG NO. 08-03537	REV C
SCALE NTS	DATE 03/19/20	SHEET 8 OF 18

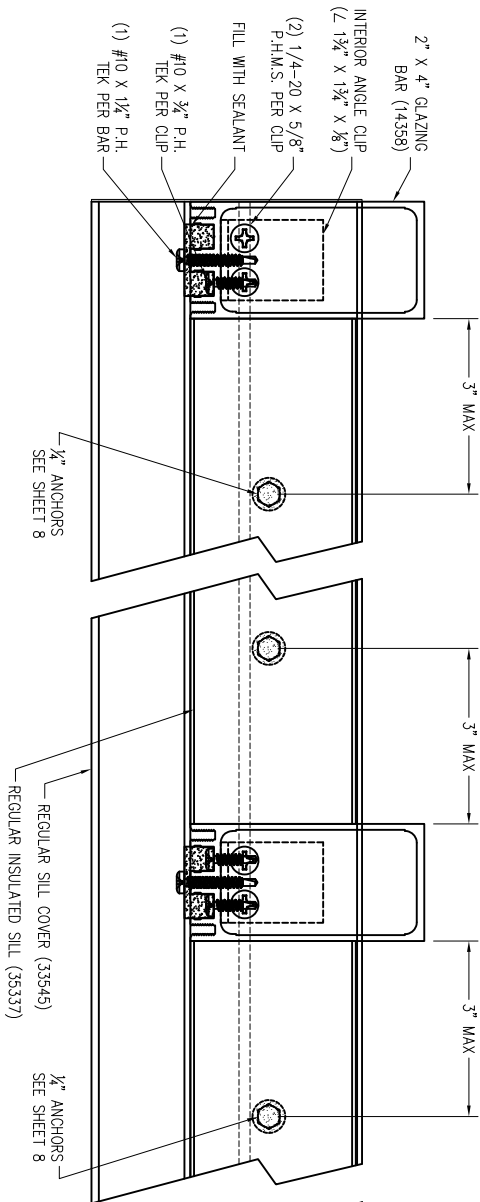
L. ROBERTO LOMAS P.E.
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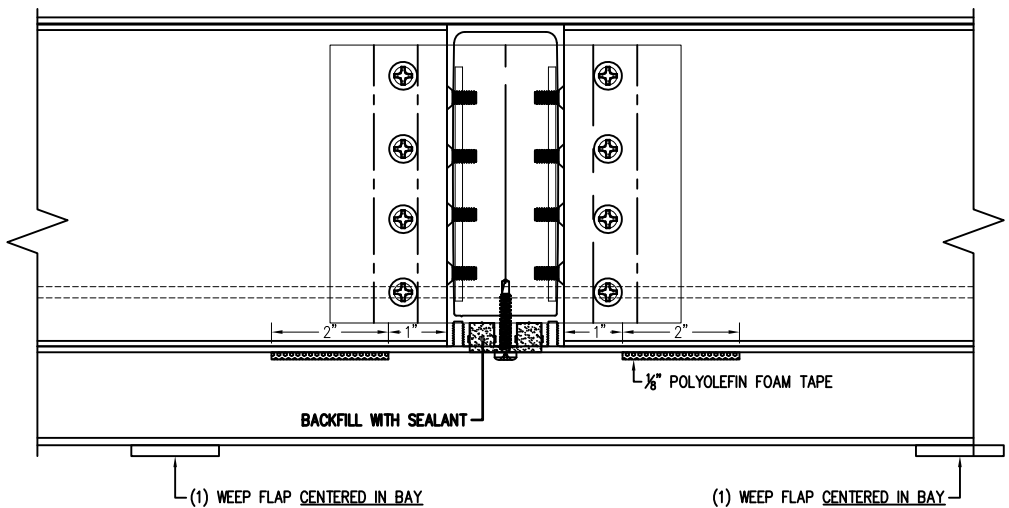
Luis R. Lomas P.E.
FL No.: 62514

CROSS SECTIONS FOR REFERENCE ONLY
SEE SHEETS 11 - 14
FOR ANCHOR INSTALLATION DETAIL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DETAILS	05/16/26	R.L.

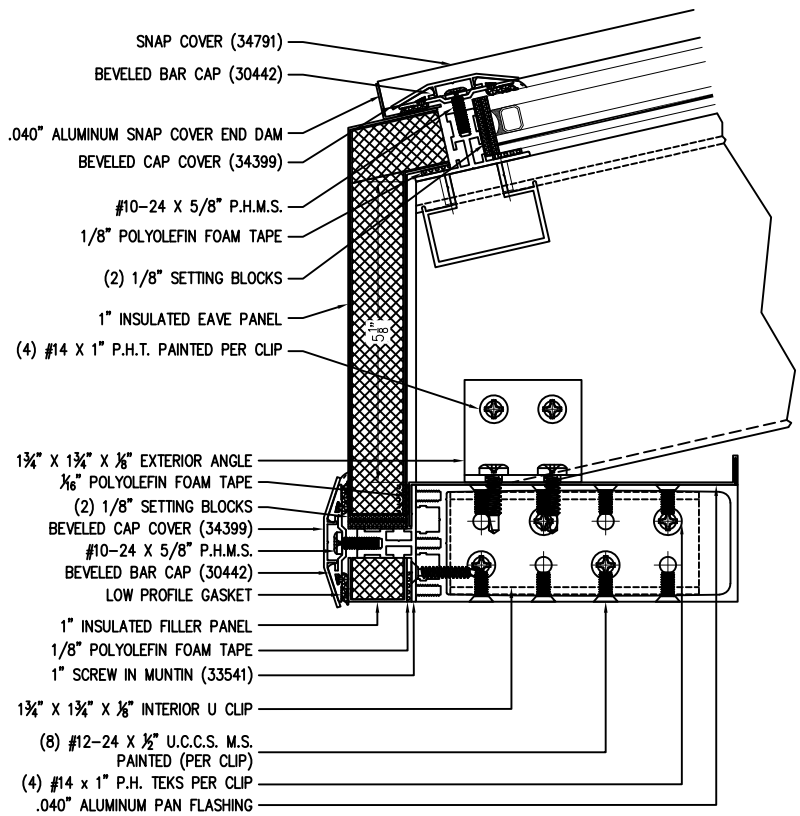


F
9 SILL ANCHOR LOCATIONS
SEE SHEETS 11 AND 12 FOR DETAILS

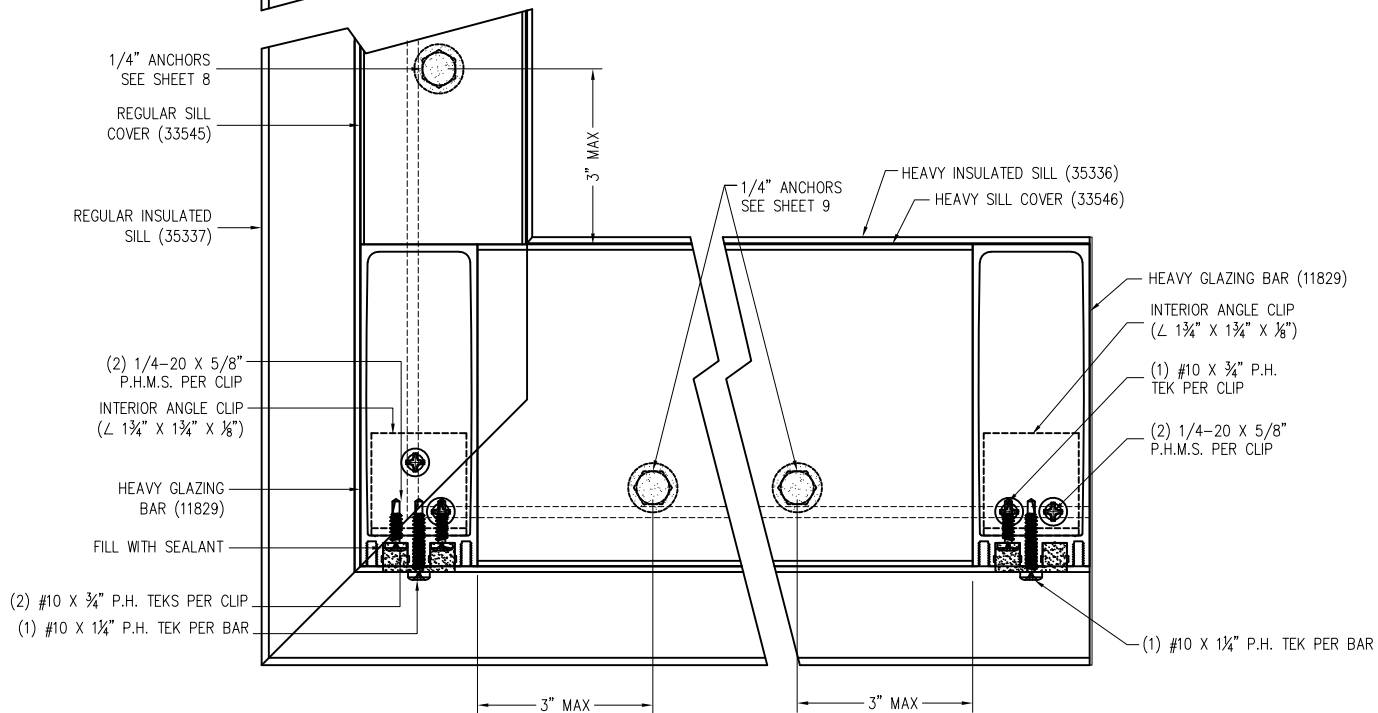


- (1) WEEP FLAP LOCATED AT CORNER PORTALS AND GABLE JAMBS VERTICAL RAIL, SILICONE WEEP FLAPS ON SIDES
(2) WEEP HOLES LOCATED AT CORNER PORTALS AND GABLE JAMBS VERTICAL BAR LOCATED DIRECTLY BEHIND WEEP FLAPS

WEEP DETAILS



E
9 EAVE CROSS SECTION



SOLAR INNOVATIONS
31 ROBERTS RD
PINE GROVE, PA 17963

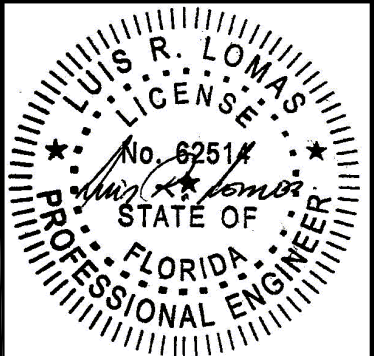
RD SI5200 LEAN TO G2 RV
GLAZED STRUCTURE
CROSS SECTIONS

DRAWN: A.R. DWG NO. 08-03537 REV C

SCALE NTS DATE 03/19/20 SHEET 9 OF 18

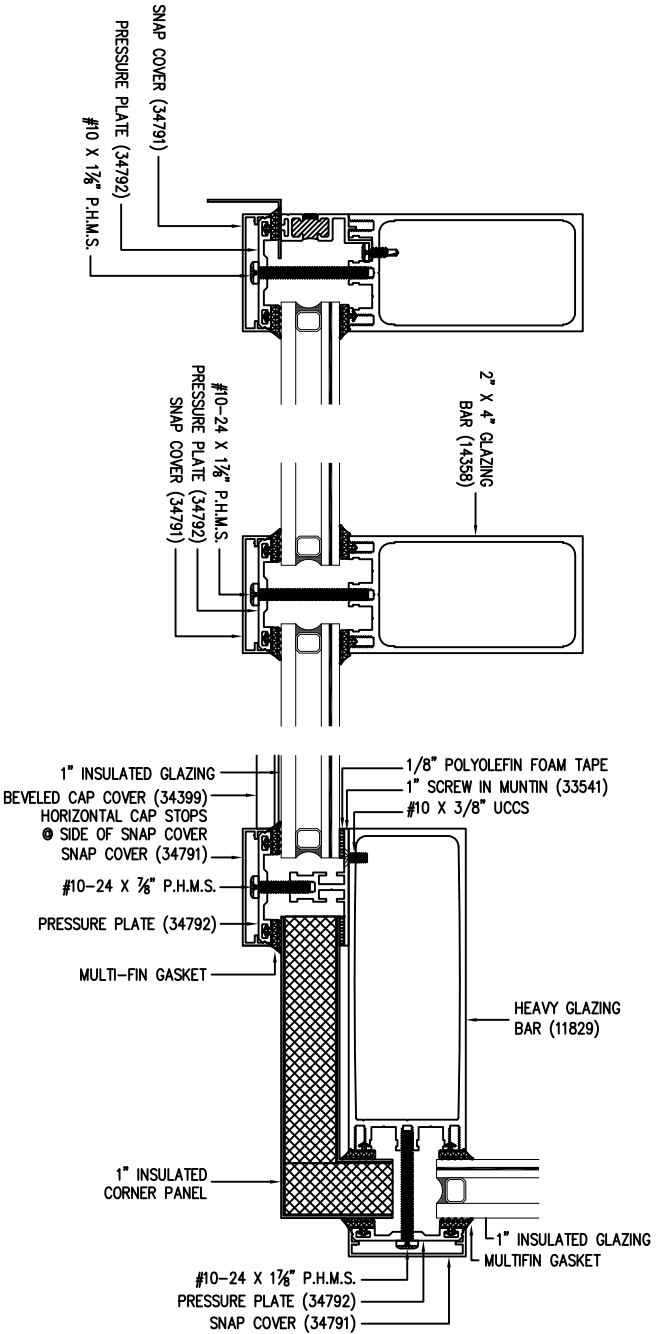
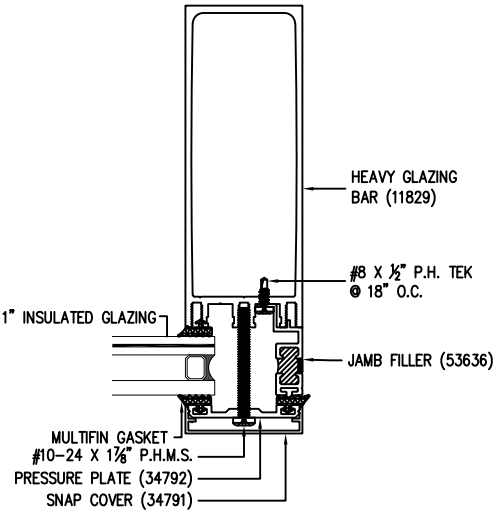
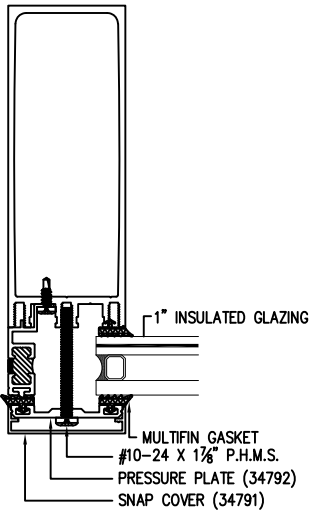
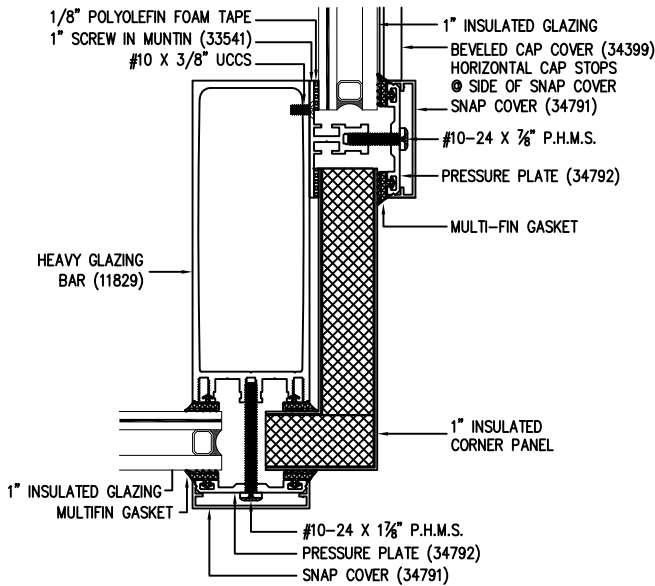
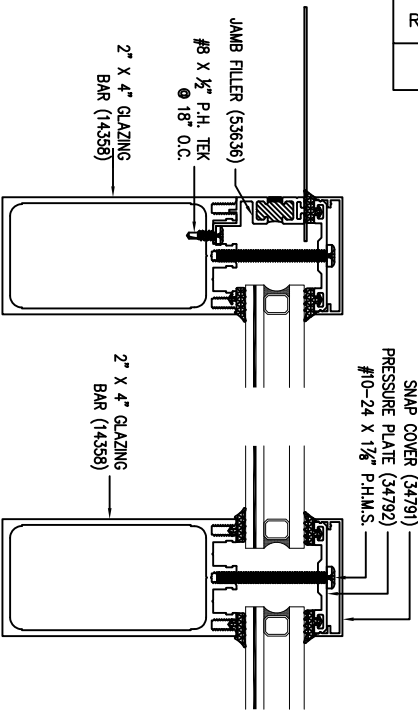
L. ROBERTO LOMAS P.E.
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SIGNED: 05/19/2026



Luis R. Lomas P.E.
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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DETAILS	05/16/26	R.L.



G
10 HORIZONTAL CROSS SECTION

CROSS SECTIONS FOR REFERENCE ONLY
SEE SHEETS 11 - 14
FOR ANCHOR INSTALLATION DETAIL

SOLAR INNOVATIONS

31 ROBERTS RD
PINE GROVE, PA 17963

RD SI5200 LEAN TO G2 RV
GLAZED STRUCTURE
CROSS SECTIONS

DRAWN: A.R.

DWG NO. 08-03537

REV C

SCALE NTS

DATE 03/19/20

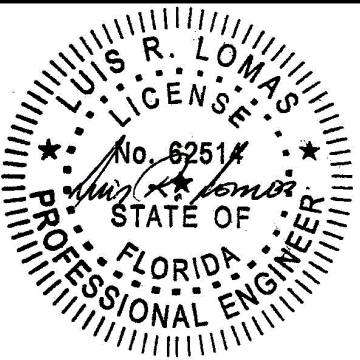
SHEET 10 OF 18

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

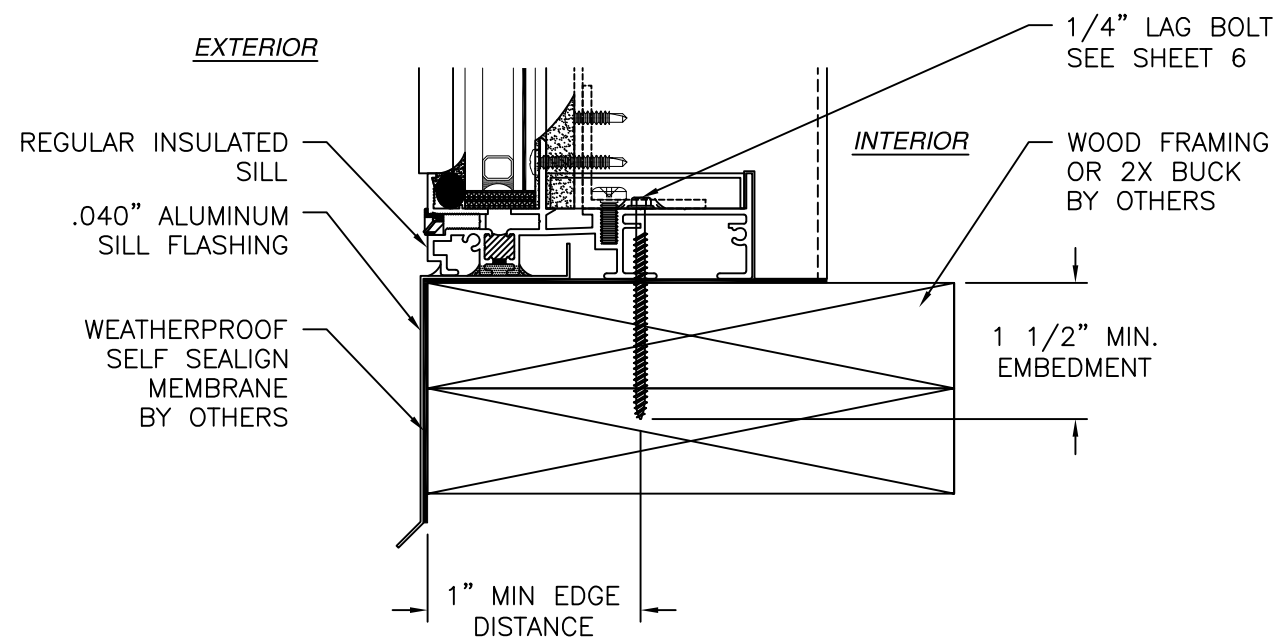
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 05/19/2026

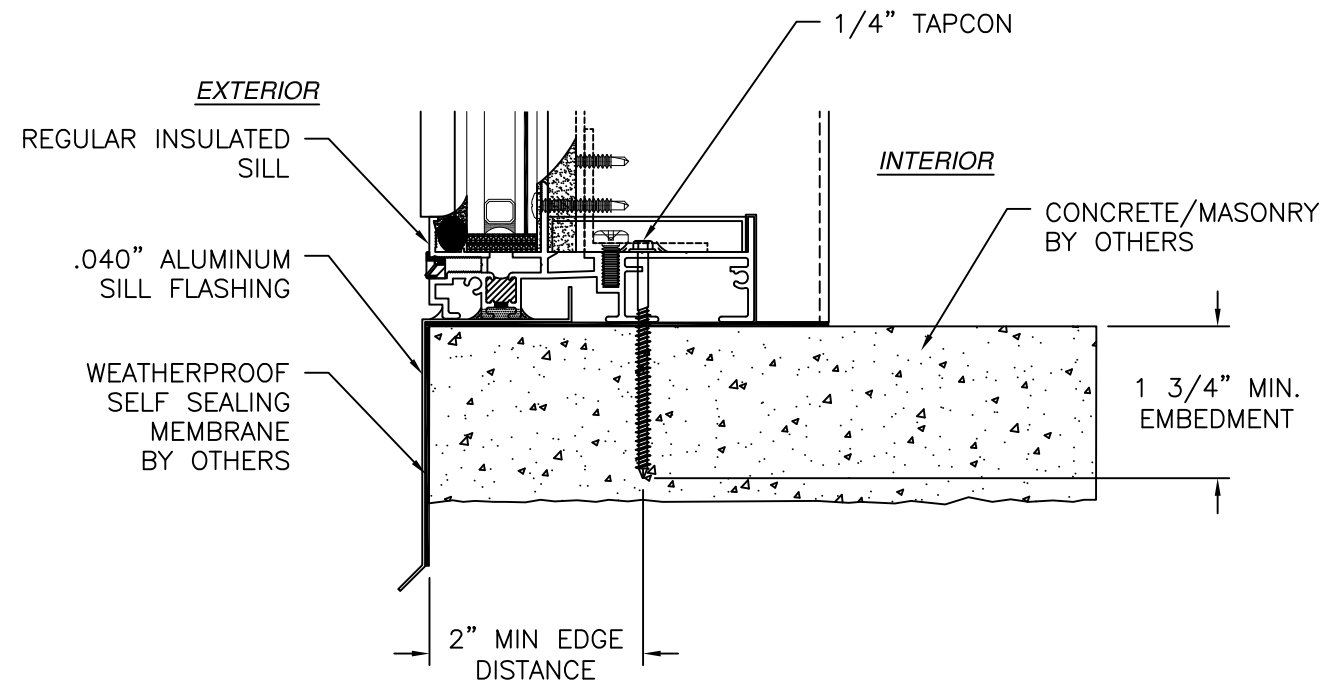


Luis R. Lomas P.E.
FL No.: 62514

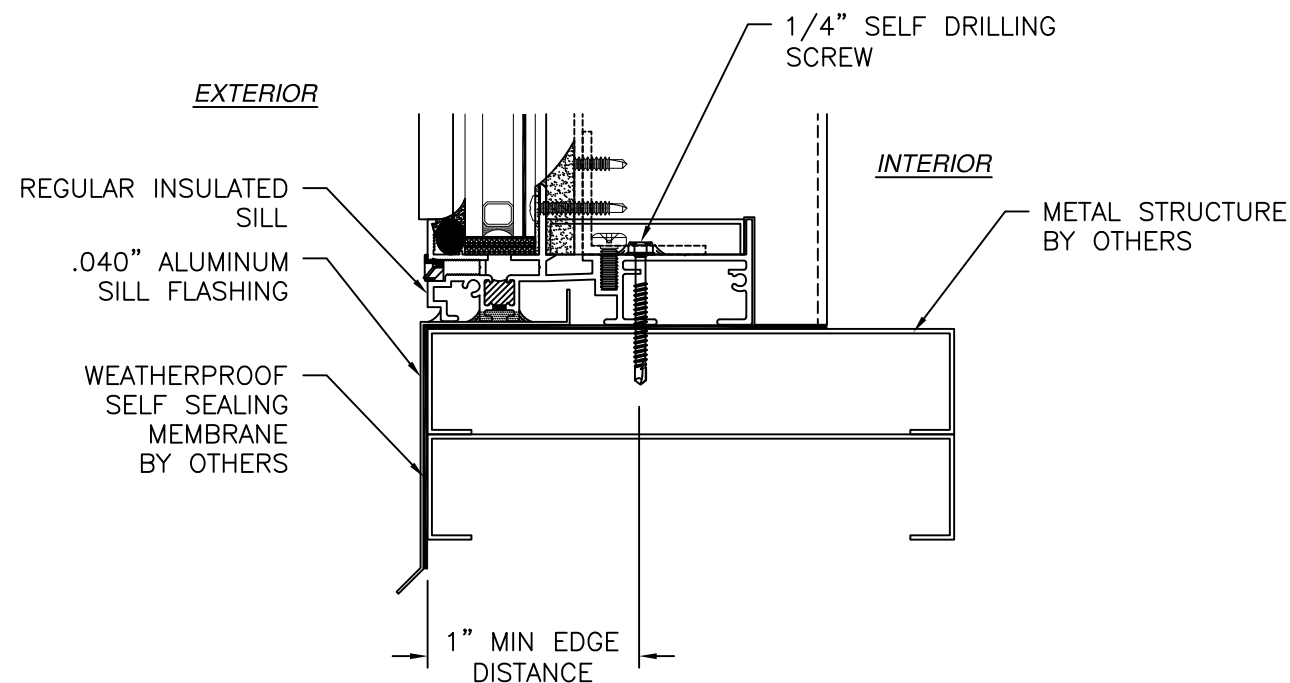
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DETAILS	05/16/26	R.L.



REGULAR SILL
WOOD FRAMING OR 2X BUCK INSTALLATION



REGULAR SILL
CONCRETE/MASONRY INSTALLATION



REGULAR SILL
METAL STRUCTURE 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

SIGNED: 05/19/2026

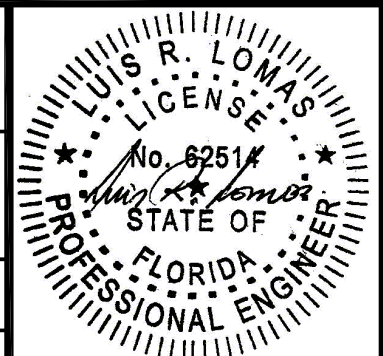
SOLAR INNOVATIONS

31 ROBERTS RD
PINE GROVE, PA 17963

RD SI5200 LEAN TO G2 RV
GLAZED STRUCTURE
REGULAR INSULATED SILL INSTALLATION DETAILS

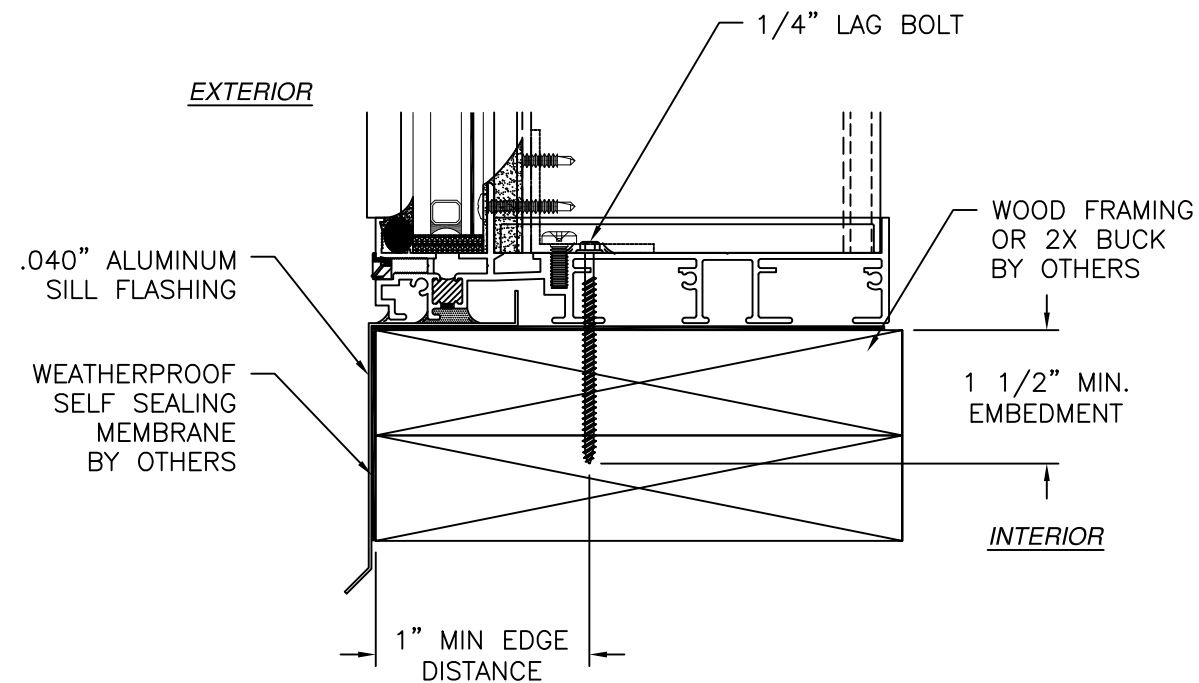
DRAWN: A.R.	DWG NO. 08-03537	REV C
SCALE NTS	DATE 03/19/20	SHEET 11 OF 18

L. ROBERTO LOMAS P.E.
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434-688-0609 rllomas@lrlomaspe.com

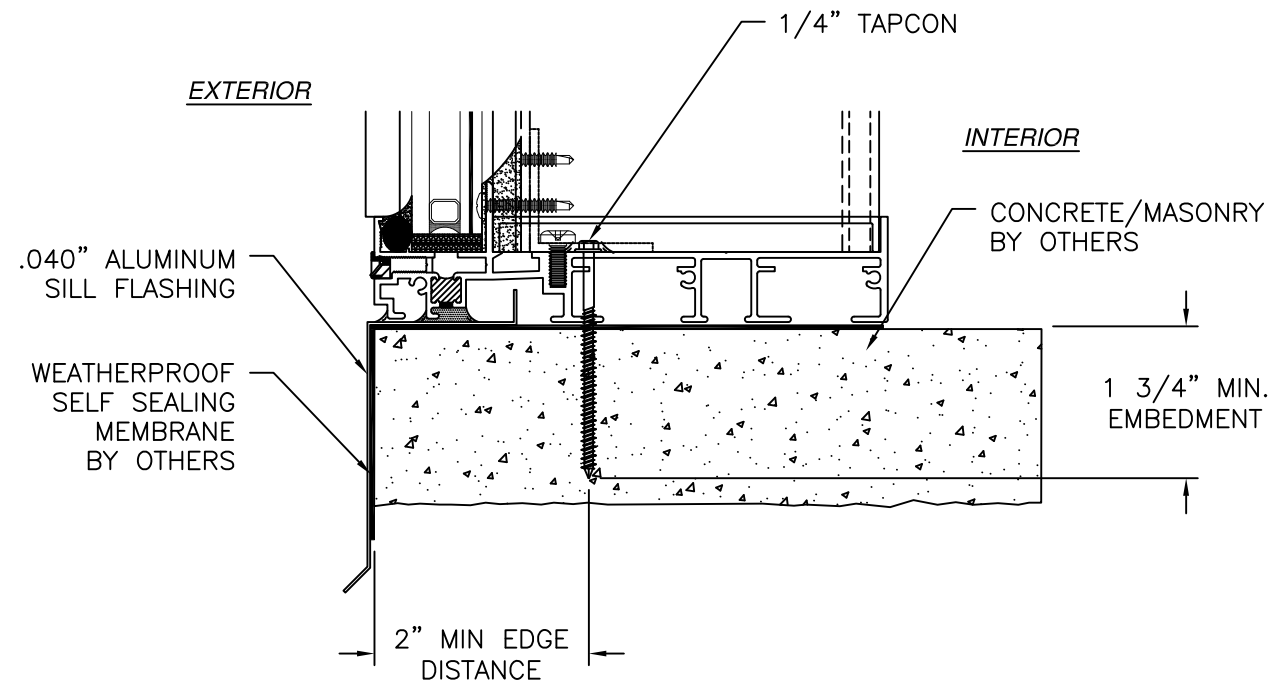


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FL No.: 62514

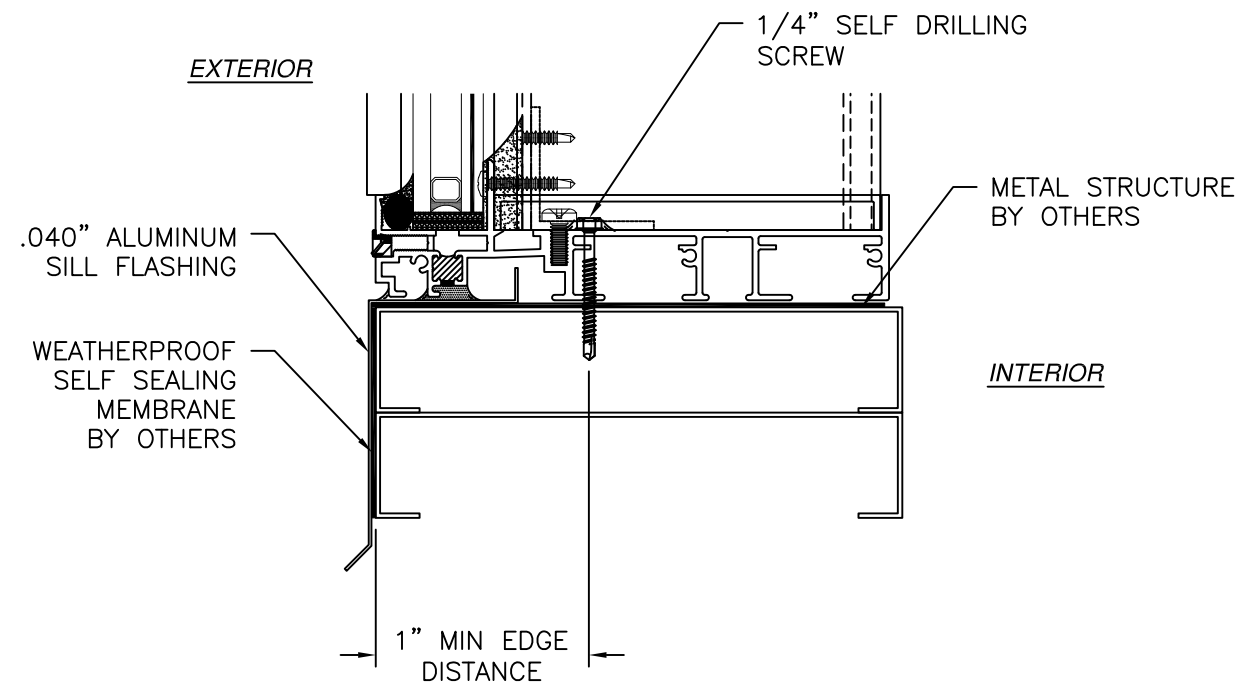
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DETAILS	05/16/26	R.L.



HEAVY SILL INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION



HEAVY SILL INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

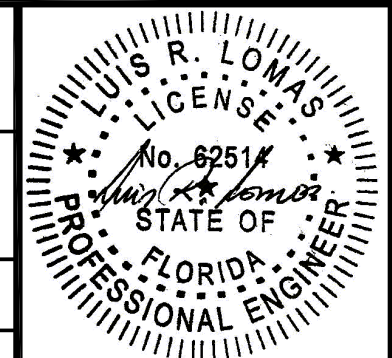


HEAVY SILL INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

- 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

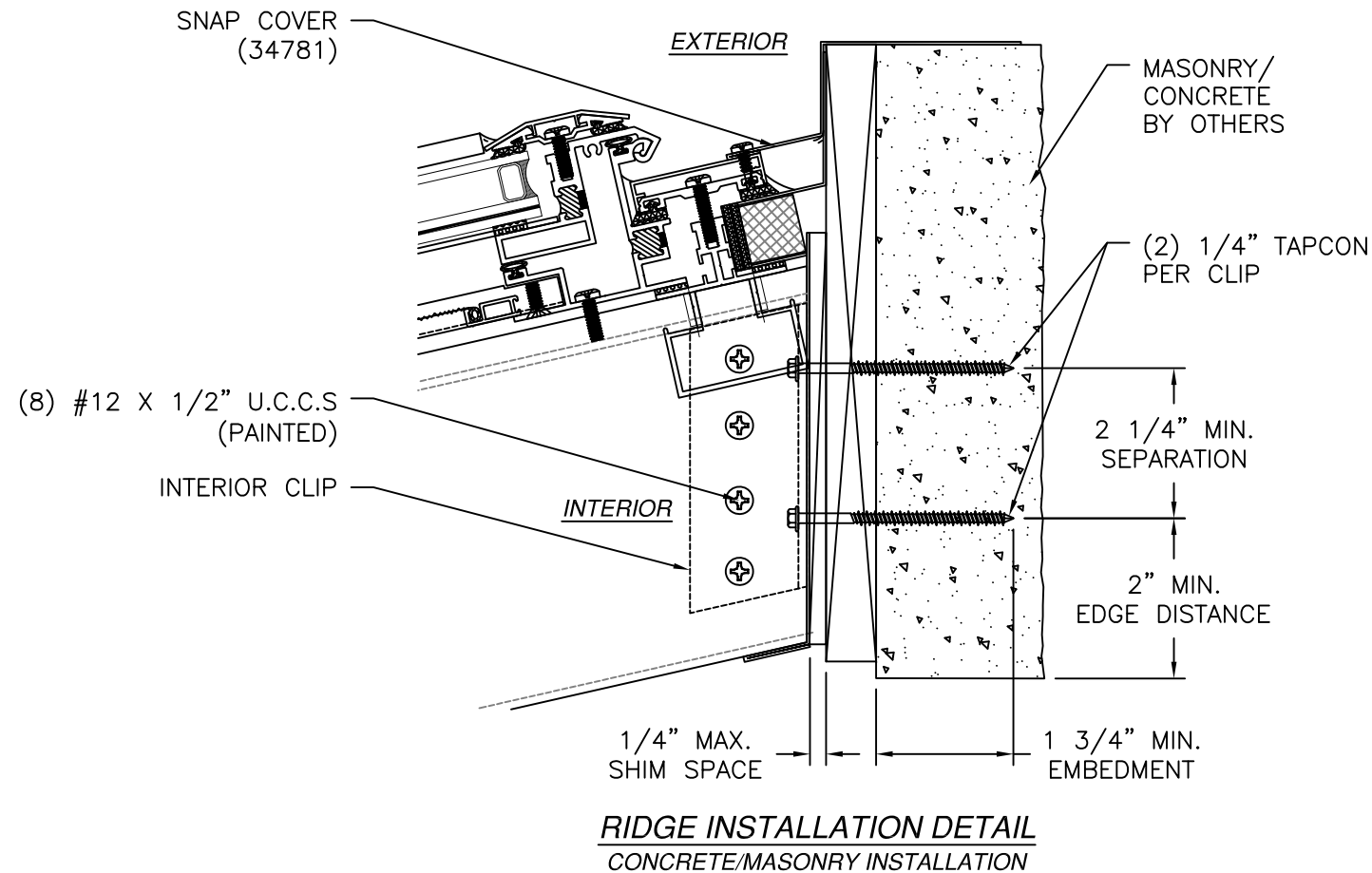
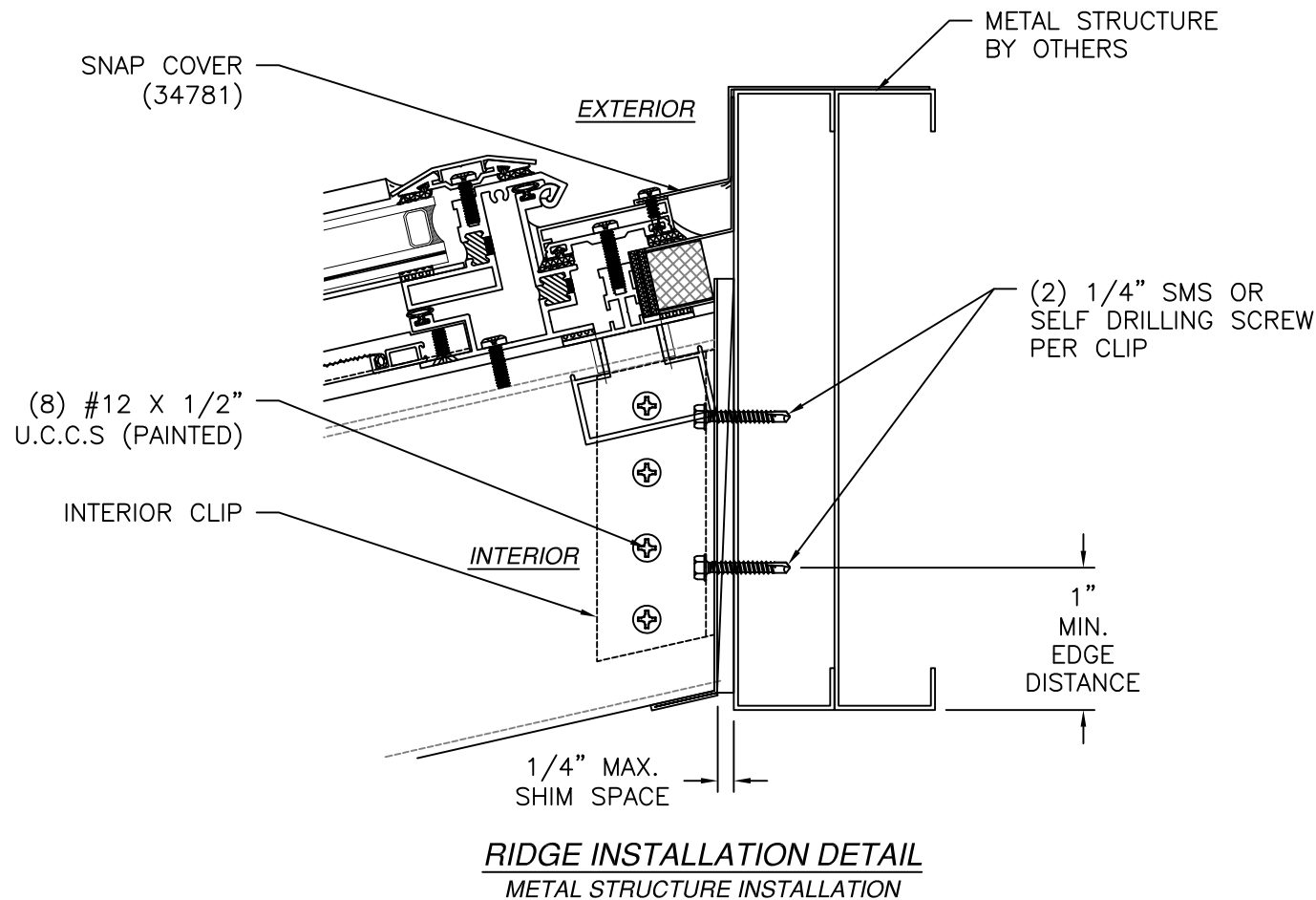
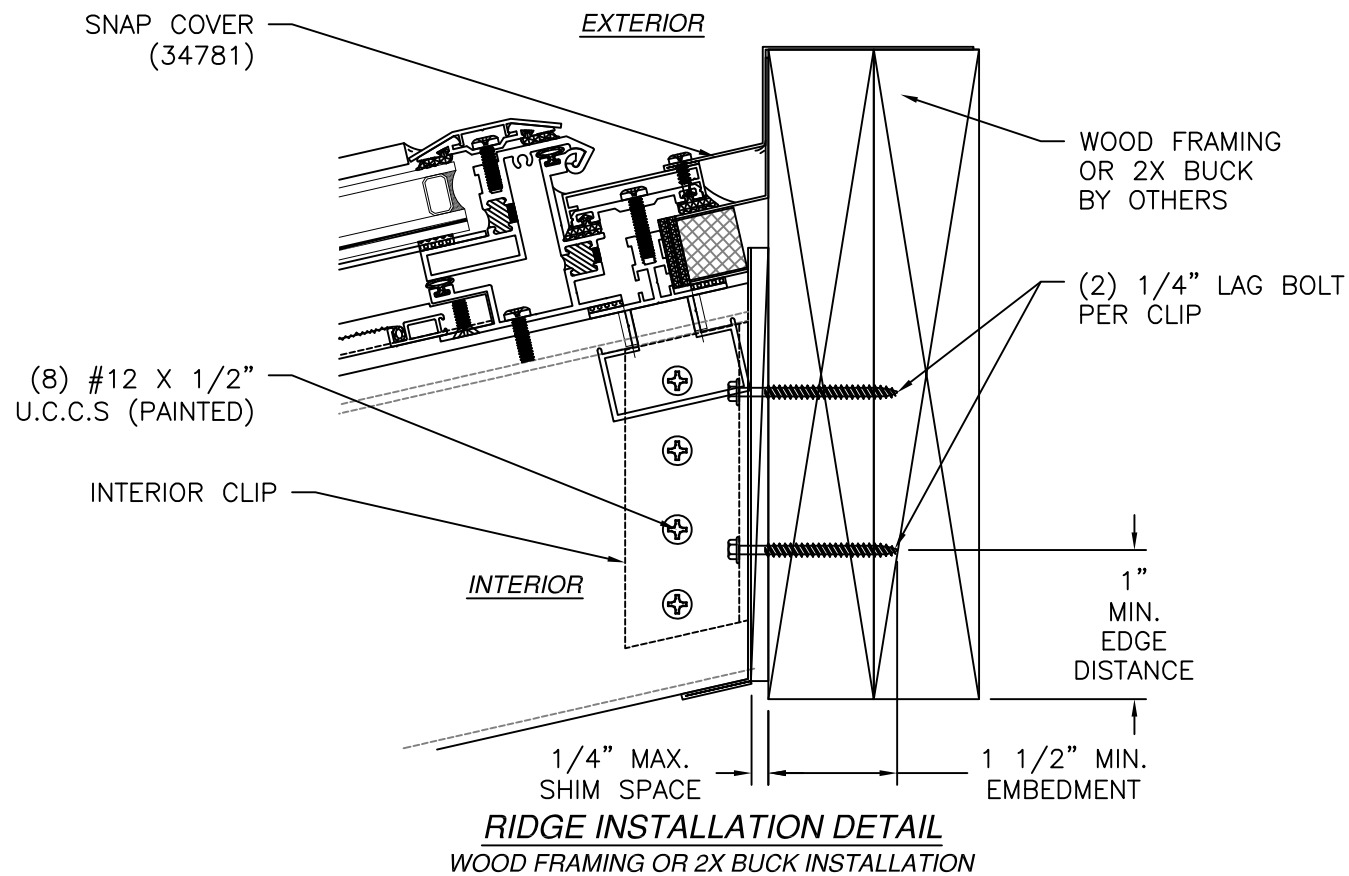
SIGNED: 05/19/2026

SOLAR INNOVATIONS 31 ROBERTS RD PINE GROVE, PA 17963		
RD SI5200 LEAN TO G2 RV GLAZED STRUCTURE HEAVY INSULATED SILL INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03537	REV C
SCALE NTS	DATE 03/19/20	SHEET 12 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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

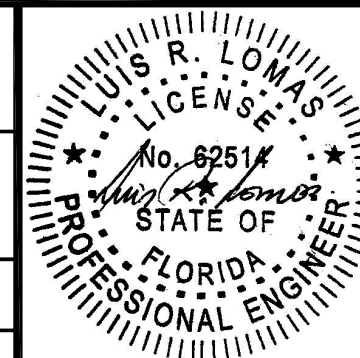
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DETAILS	05/16/26	R.L.



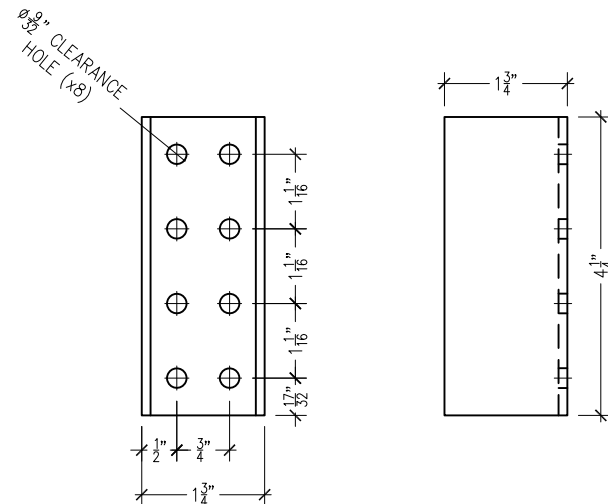
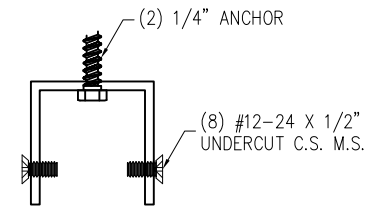
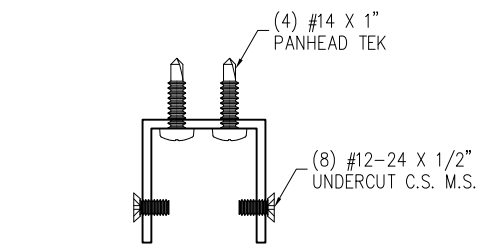
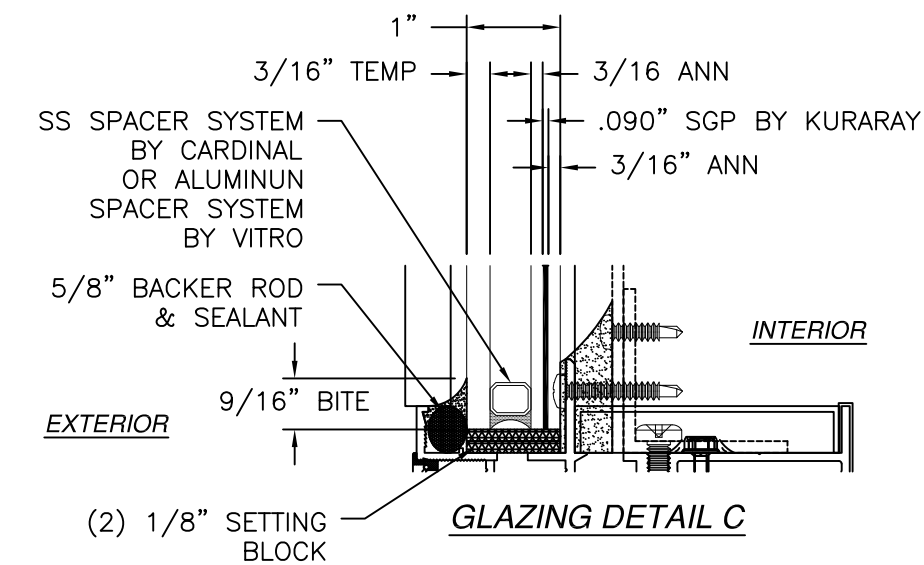
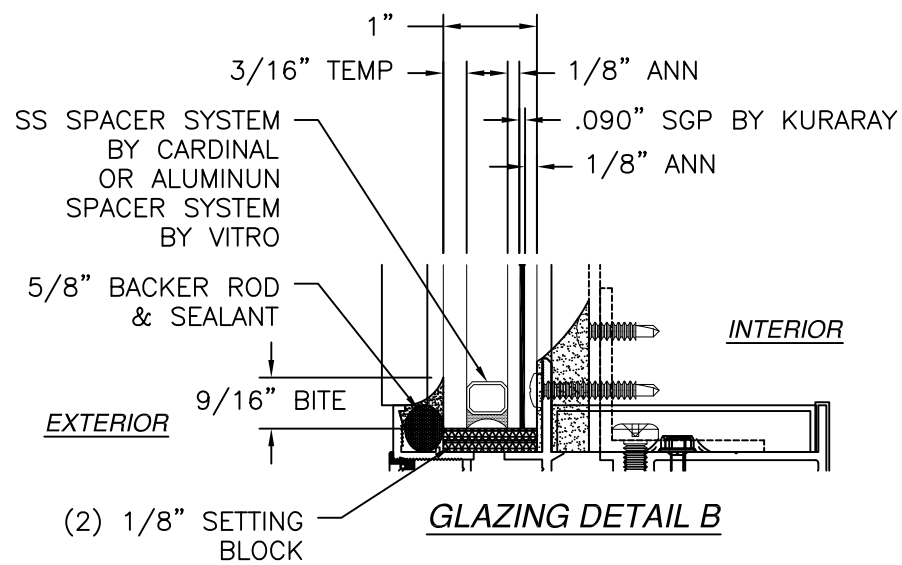
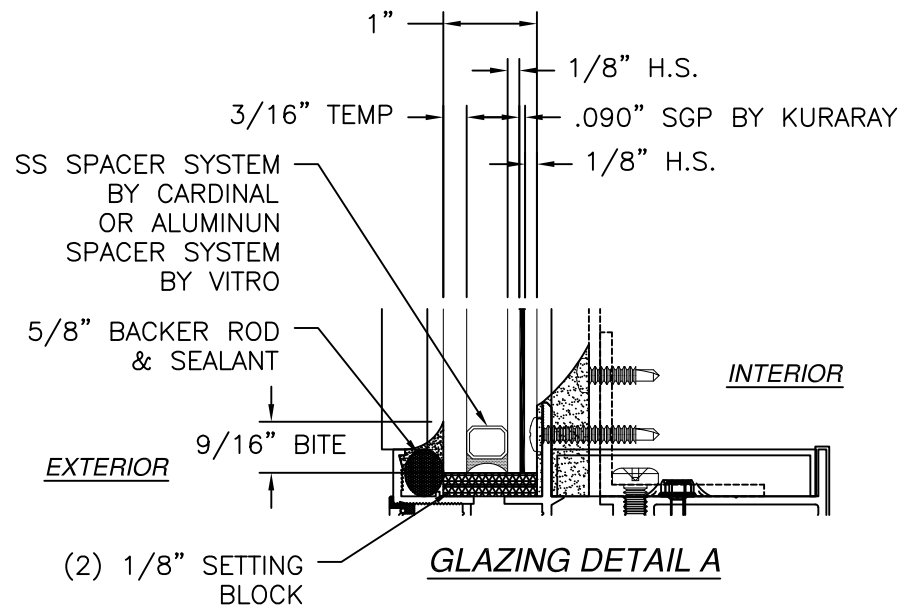
- NOTES:
1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

SIGNED: 05/19/2026

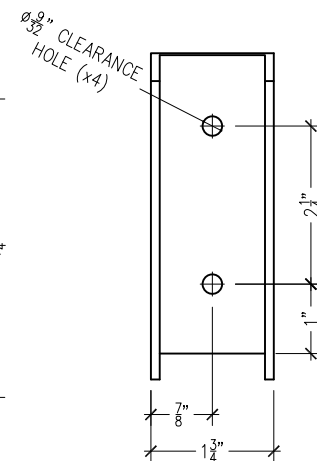
SOLAR INNOVATIONS 31 ROBERTS RD PINE GROVE, PA 17963		
RD SI5200 LEAN TO G2 RV GLAZED STRUCTURE RIDGE INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-03537	REV C
SCALE NTS	DATE 03/19/20	SHEET 13 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



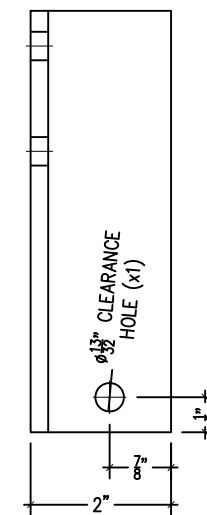
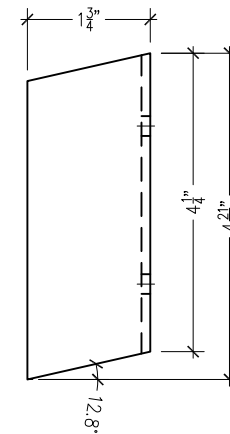
Luis R. Lomas P.E.
FL No.: 62514



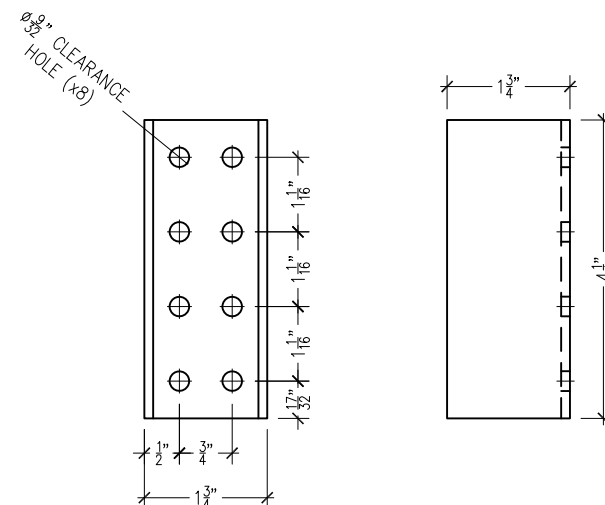
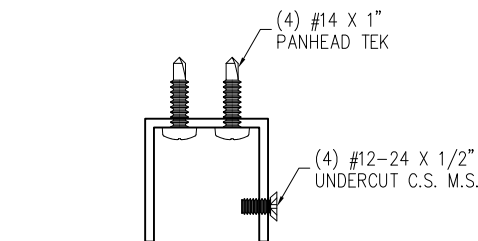
INTERIOR U-CLIP
ALUMINUM 6063-T5 1/8" THICK (MS000144)



RIDGE INTERIOR U-CLIP
ALUMINUM 6063-T5 1/8" THICK (EX025331)



MOTOR MOUNT EXTERIOR ANGLE CLIP
ALUMINUM 6063-T5 1/4" THICK (MS001556)



INTERIOR U-CLIP
ALUMINUM 6063-T5 1/8" THICK (MS000144)
WHEN INSTALLED NEXT TO EXISTING STRUCTURE

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DETAILS	05/16/26	R.L.

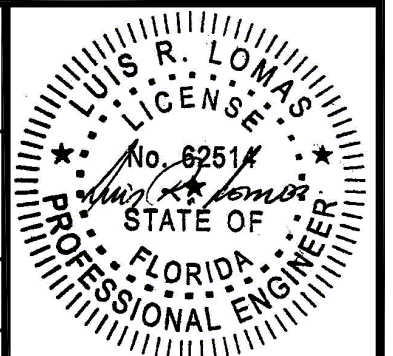
SOLAR INNOVATIONS
31 ROBERTS RD
PINE GROVE, PA 17963

RD SI5200 LEAN TO G2 RV
GLAZED STRUCTURE
COMPONENTS AND GLAZING DETAILS

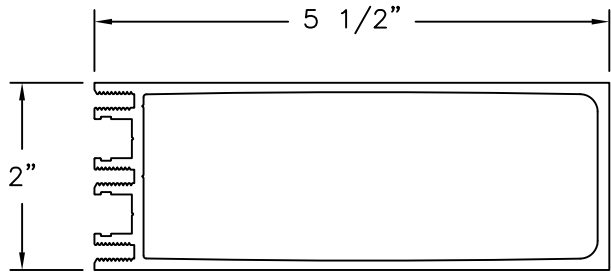
DRAWN: A.R.	DWG NO. 08-03537	REV C
SCALE NTS	DATE 03/19/20	SHEET 17 OF 18

L. ROBERTO LOMAS P.E.
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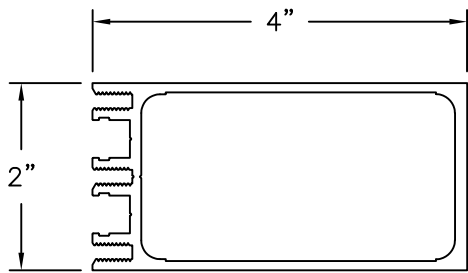
SIGNED: 05/19/2026



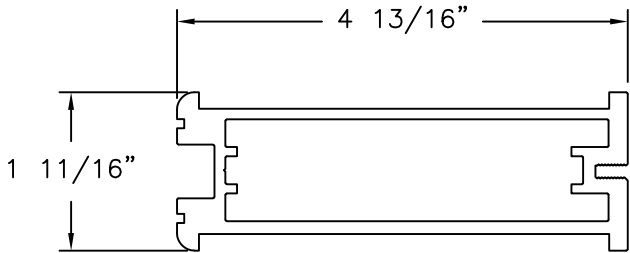
Luis R. Lomas P.E.
FL No.: 62514



HEAVY GLAZING BAR
ALUMINUM 6063-T5 (H11829)

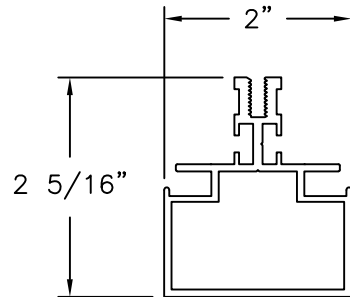


GLAZING BAR
ALUMINUM 6063-T5 (H14358)

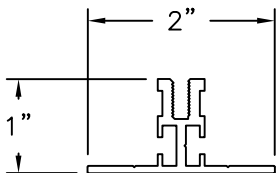


HEAVY BAR INSERT
ALUMINUM 6063-T5 (H11617)

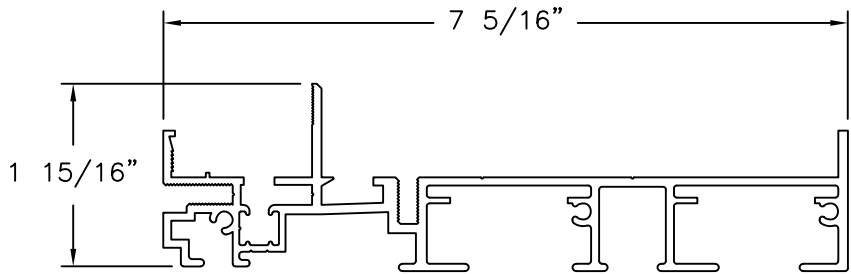
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
C	REVISED DETAILS	05/16/26	R.L.



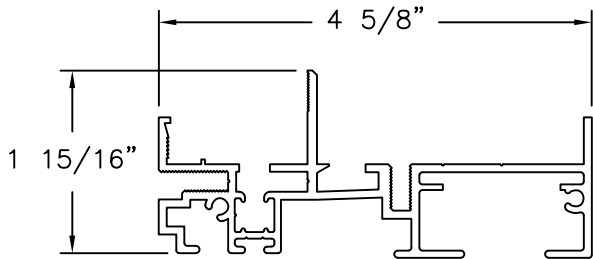
BOX MUNTIN
ALUMINUM 6063-T5 (H11754)



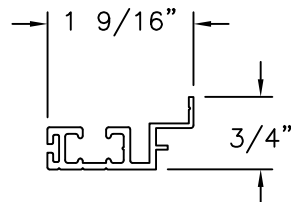
MUNTIN
ALUMINUM 6063-T5 (S33541)



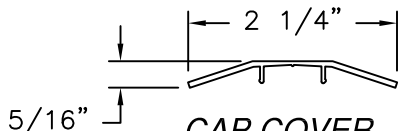
HEAVY SILL FRAME
ALUMINUM 6063-T5 (S35336)



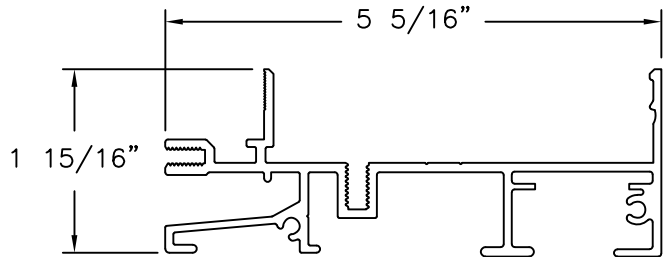
STANDARD SILL FRAME
ALUMINUM 6063-T5 (S35337)



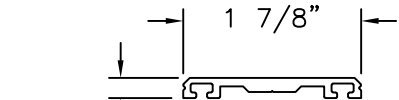
JAMB FILLER
ALUMINUM 6063-T5 (S53636)



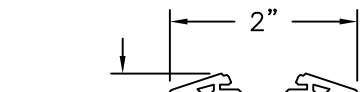
CAP COVER
ALUMINUM 6063-T5 (S34399)



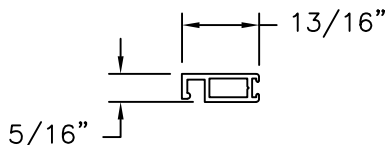
2X4 SILL FRAME
ALUMINUM 6061-T5 (S66530)



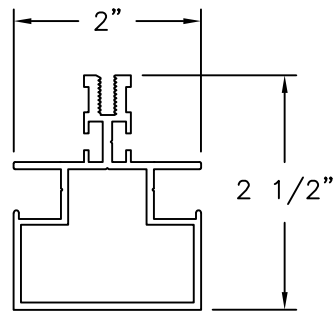
PRESSURE PLATE
ALUMINUM 6063-T5 (S34792)



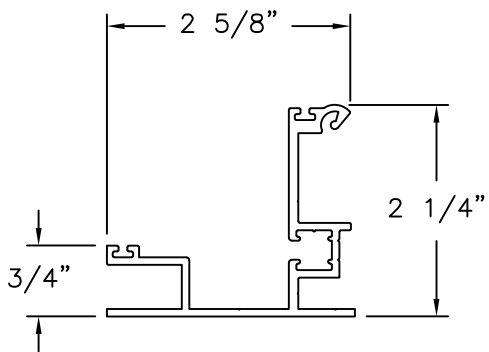
BAR CAP
ALUMINUM 6063-T5 (S30442)



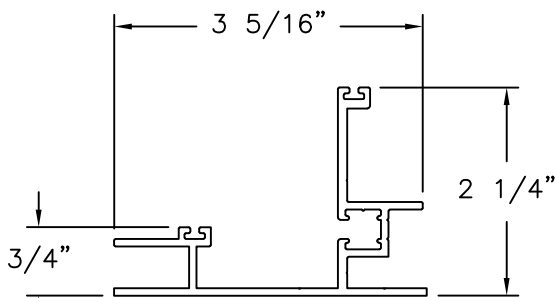
WINDOW SCREEN RAIL
ALUMINUM 6063-T5 (H01327)



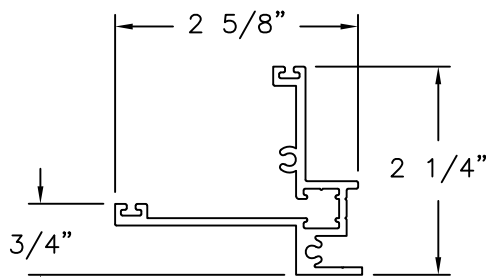
BOX MUNTIN
ALUMINUM 6063-T5 (18403)



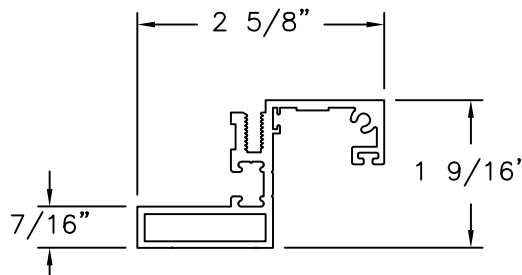
RIDGE VENT HEAD
ALUMINUM 6063-T5 (S55741)



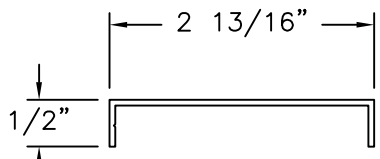
RIDGE VENT FRAME SILL
ALUMINUM 6063-T5 (S55743)



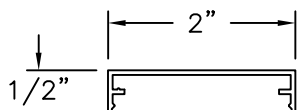
RIDGE VENT FRAME JAMB
ALUMINUM 6063-T5 (S55742)



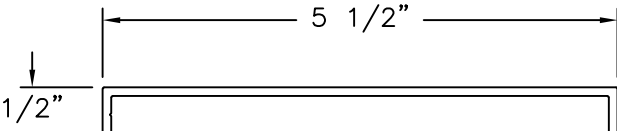
RIDGE VENT SASH
ALUMINUM 6063-T5 (H14387)



STANDARD SILL FILLER
ALUMINUM 6063-T5 (S33545)



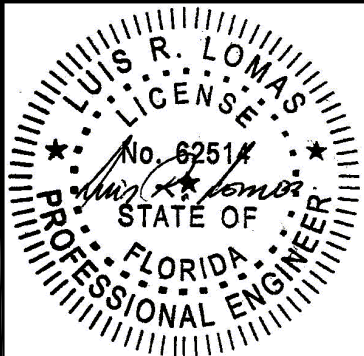
SNAP COVER
ALUMINUM 6063-T5 (S34791)



HEAVY SILL FILLER
ALUMINUM 6063-T5 (S33546)

SOLAR INNOVATIONS		
31 ROBERTS RD PINE GROVE, PA 17963		
RD SI5200 LEAN TO G2 RV GLAZED STRUCTURE COMPONENTS		
DRAWN: A.R.	DWG NO. 08-03537	REV C
SCALE NTS	DATE 03/19/20	SHEET 18 OF 18
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 05/19/2026



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