

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.

NOTES:

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

2. WOOD FRAMING, 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: EXTRUDED ALUMINUM 6063-T5 AND 6063-T6

6. UNITS MUST BE GLAZED PER ASTM E1300.

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 1/4".
9. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE 3/8" OR 1/4" LAG BOLTS. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. REFER TO ANCHOR CHART FOR MINIMUM EDGE DISTANCE AND EMBEDMENT.

10. FOR ANCHORING INTO MASONRY/CONCRETE USE 5/16" OR 1/4" ANCHORS. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS. REFER TO ANCHOR CHART FOR MINIMUM EDGE DISTANCE AND EMBEDMENT.

11. FOR ANCHORING INTO METAL STRUCTURE USE 3/8" OR 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. REFER TO ANCHOR CHART FOR MINIMUM EDGE DISTANCE AND EMBEDMENT.

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:

A. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

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

C. MASONRY – HOLLOW/FILLED BLOCK PER ASTM C90 WITH FM=2,000 PSI MINIMUM.

D. METAL STRUCTURE: STEEL 16GA, 33KSI OR ALUMINUM 6063-T5 3/16" THICK MINIMUM

14. UNIT MAY BE INSTALLED USING 2" RAFTERS.

SIGNED: 04/14/2026

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1	NOTES
2	ELEVATIONS
3	DESIGN PRESSURE CHARTS
4	APPROVED CONFIGURATIONS
5 – 21	INSTALLATION DETAILS

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
NOTES

DRAWN:
V.L.

DWG NO.
08-02826E

REV
D

SCALE NTS

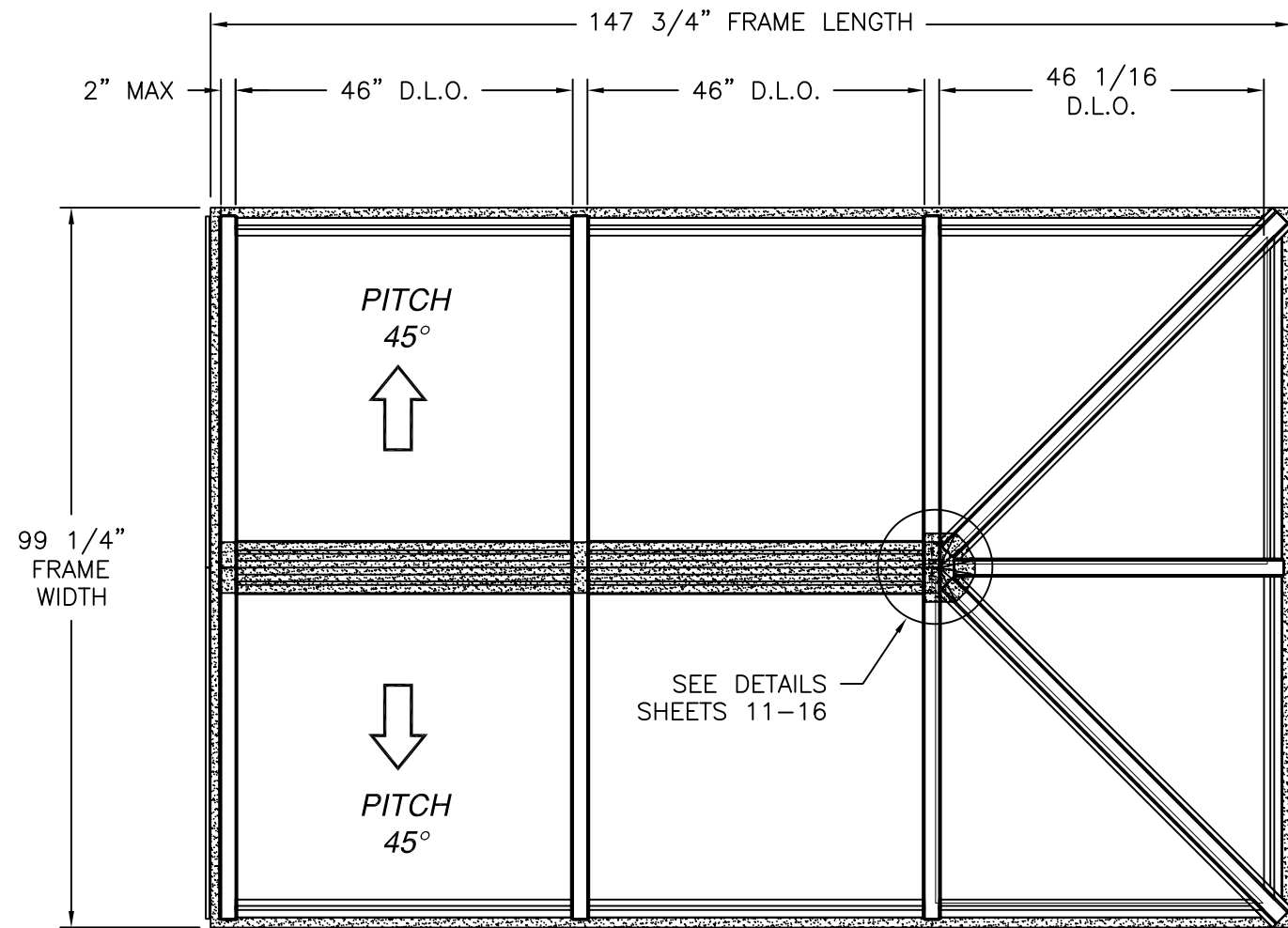
DATE 09/29/15

SHEET 1 OF 21

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

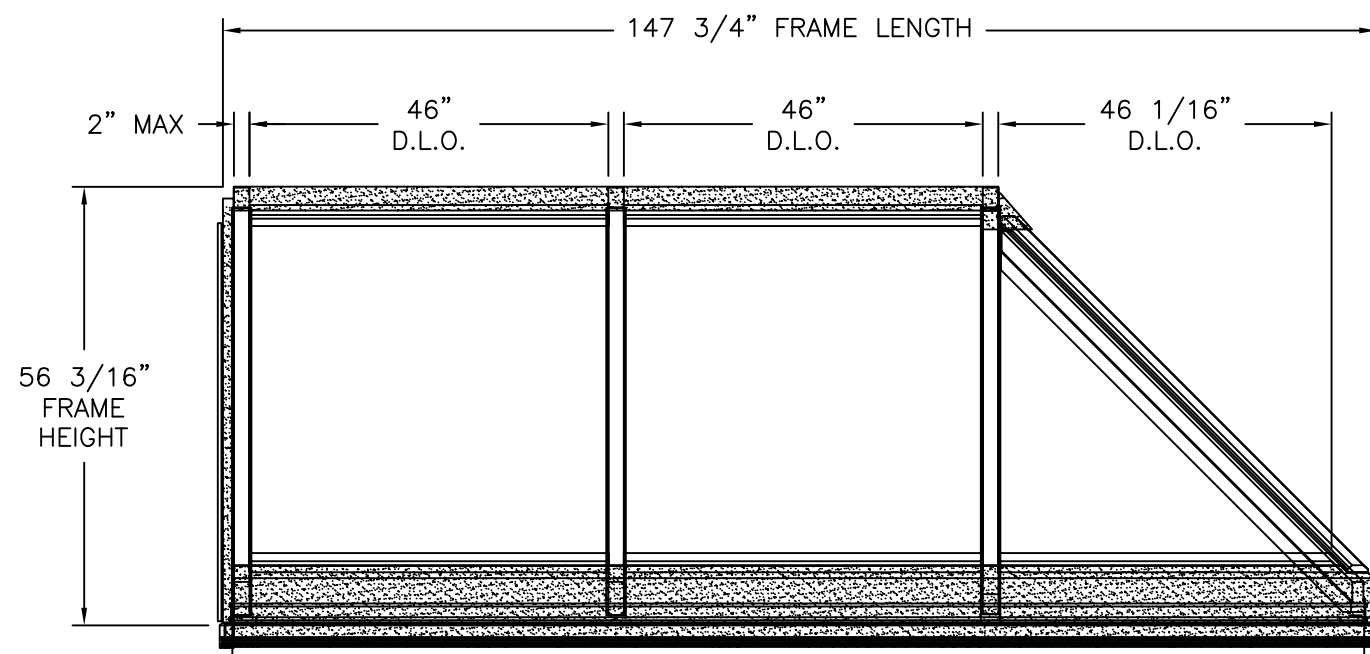
Luis R. Lomas P.E.
FL No.: 62514



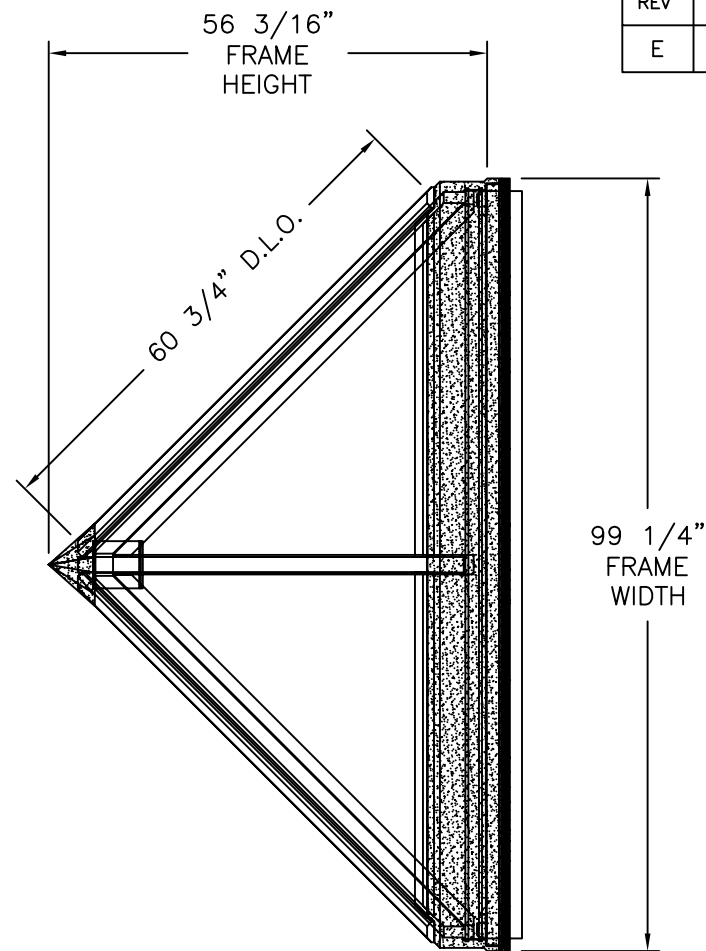
SERIES SI5200 PYRAMID SKYLIGHT

PLAN VIEW

45° PITCH SHOWN, OTHER SLOPES APPROVED UP TO 45°



SIDE VIEW



FRONT VIEW

DESIGN PRESSURE RATING	IMPACT RATING
±65.0PSF	NONE

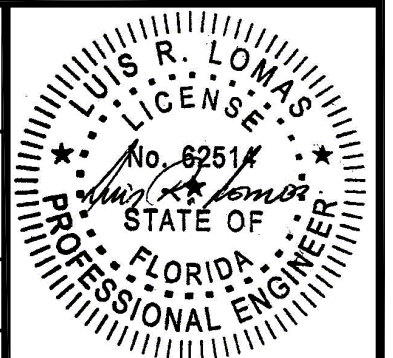
SEE CHART #1 AND #2, SHEET 3

- NOTES:
- PANEL SIZE: 48" x 66 1/2"

REVISIONS			
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SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI5200 PYRAMID THERMALLY – BROKEN ALUMINUM SKYLIGHT NON-IMPACT ELEVATIONS		
DRAWN: V.L.	DWG NO. 08-02826E	REV D
SCALE NTS	DATE 09/29/15	SHEET 2 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

SIGNED: 04/14/2026



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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CHART #1 FOR SINGLE PANEL ONLY

Maximum design pressure capacity chart (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		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	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	96.9	96.9	95.9	95.9	90.1	90.1	84.8	84.8	80.0	80.0	75.8	75.8	72.0	72.0
30.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	96.7	96.7	92.0	92.0	88.6	88.6	86.0	86.0	84.0	84.0	82.3	82.3	80.9	80.9	76.8	76.8	72.0	72.0	67.8	67.8	-	-	-	-	-	-
36.0	97.5	97.5	97.5	97.5	97.5	97.5	96.9	96.9	88.6	88.6	83.1	83.1	79.1	79.1	76.2	76.2	73.9	73.9	72.0	72.0	68.6	68.6	-	-	-	-	-	-	-	-	-	-	-	-
42.0	97.5	97.5	97.5	97.5	96.9	96.9	95.0	95.0	84.4	84.4	77.7	77.7	73.0	73.0	69.6	69.6	67.0	67.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48.0	97.5	97.5	96.7	96.7	88.6	88.6	84.4	84.4	83.1	83.1	74.8	74.8	69.2	69.2	65.3	65.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54.0	97.5	97.5	92.0	92.0	83.1	83.1	77.7	77.7	74.8	74.8	71.2	71.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
60.0	97.5	97.5	88.6	88.6	79.1	79.1	73.0	73.0	69.2	69.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
66.0	97.5	97.5	86.0	86.0	76.2	76.2	69.6	69.6	65.3	65.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
72.0	97.5	97.5	84.0	84.0	73.9	73.9	67.0	67.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
78.0	97.5	97.5	82.3	82.3	72.0	72.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
84.0	96.9	96.9	80.9	80.9	68.6	68.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90.0	95.9	95.9	76.8	76.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
96.0	90.1	90.1	72.0	72.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
102.0	84.8	84.8	67.8	67.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
108.0	80.0	80.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
114.0	75.8	75.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
120.0	72.0	72.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CHART #2 FOR 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		84.0		90.0		96.0		102.0	
	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	96.1	96.1	90.1	90.1	84.8	84.8
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	96.1	96.1	88.7	88.7	82.3	82.3	76.8	76.8	72.0	72.0	67.8	67.8
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	96.1	96.1	87.3	87.3	80.0	80.0	73.9	73.9	68.6	68.6	-	-	-	-	-	-
42.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	91.5	91.5	82.3	82.3	74.8	74.8	68.6	68.6	-	-	-	-	-	-	-	-	-	-
48.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	90.1	90.1	80.0	80.0	72.0	72.0	65.5	65.5	-	-	-	-	-	-	-	-	-	-	-	-
54.0	97.5	97.5	97.5	97.5	97.5	97.5	91.5	91.5	80.0	80.0	71.2	71.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
60.0	97.5	97.5	97.5	97.5	87.7	87.7	81.0	81.0	72.0	72.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
66.5	97.5	97.5	85.8	85.8	75.9	75.9	69.4	69.4	65.0	65.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
72.0	86.0	86.0	70.6	70.6	60.7	60.7	54.1	54.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
78.0	67.2	67.2	54.9	54.9	47.0	47.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
84.0	53.5	53.5	43.6	43.6	37.2	37.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
90.0	43.3	43.3	35.2	35.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
96.0	35.6	35.6	28.9	28.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
102.0	29.6	29.6	23.9	23.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
108.0	24.8	24.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
114.0	21.1	21.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
120.0	18.0	18.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

SIGNED: 04/14/2026

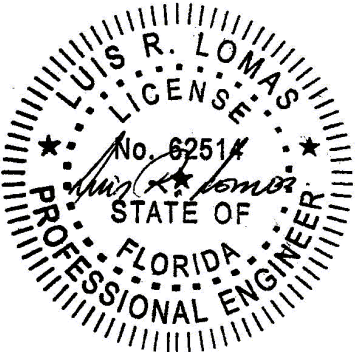
SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
DESIGN PRESSURE CHARTS

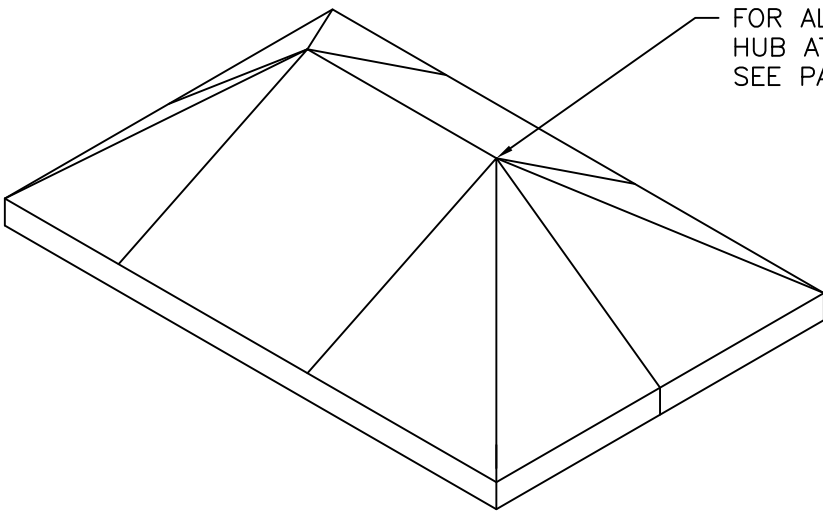
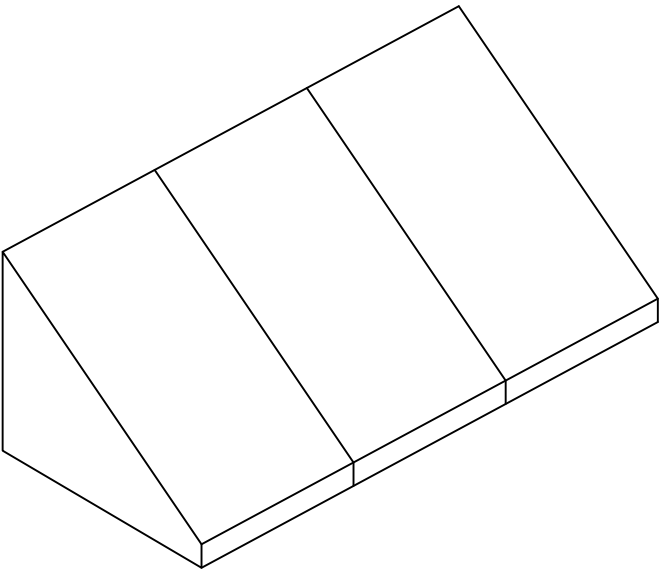
DRAWN: V.L.	DWG NO. 08-02826E	REV D
SCALE NTS	DATE 09/29/15	SHEET 3 OF 21

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

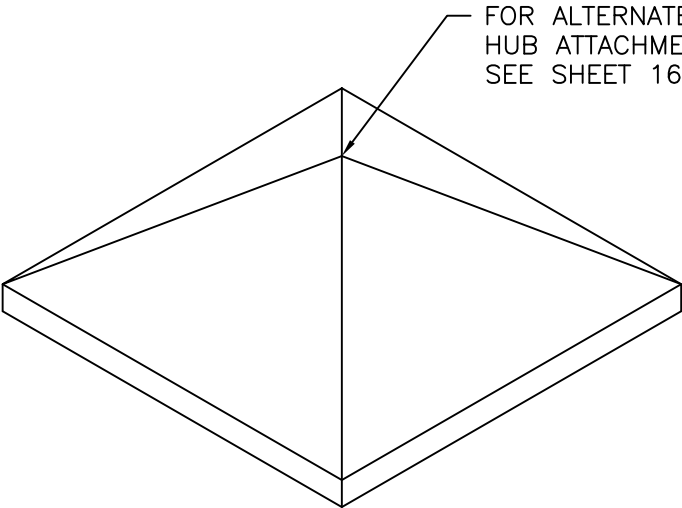
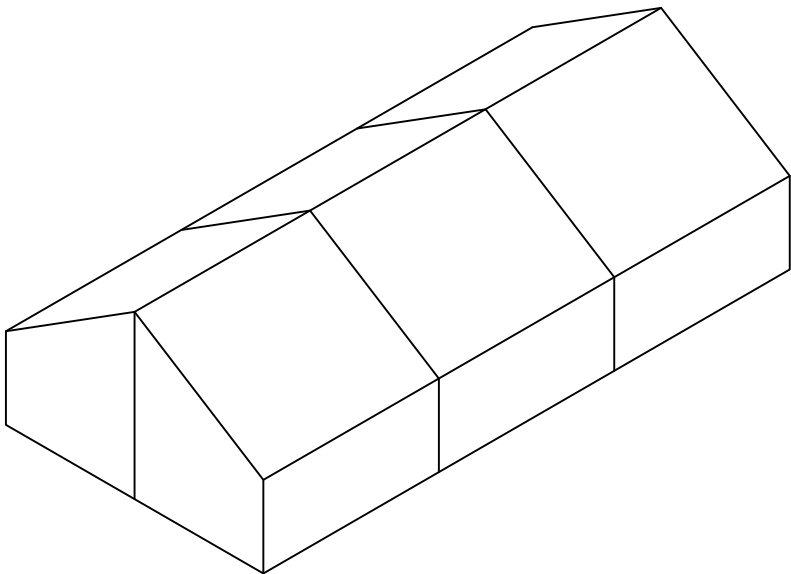


Luis R. Lomas P.E.
FL No.: 62514

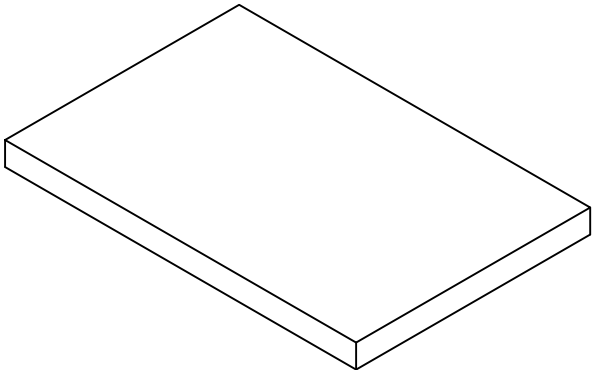
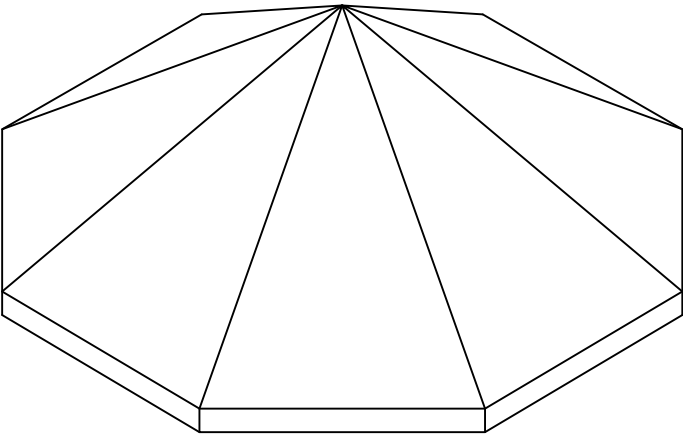
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.



FOR ALTERNATE
HUB ATTACHMENT
SEE PAGE 15

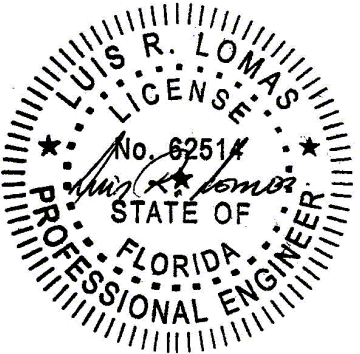


FOR ALTERNATE
HUB ATTACHMENT
SEE SHEET 16



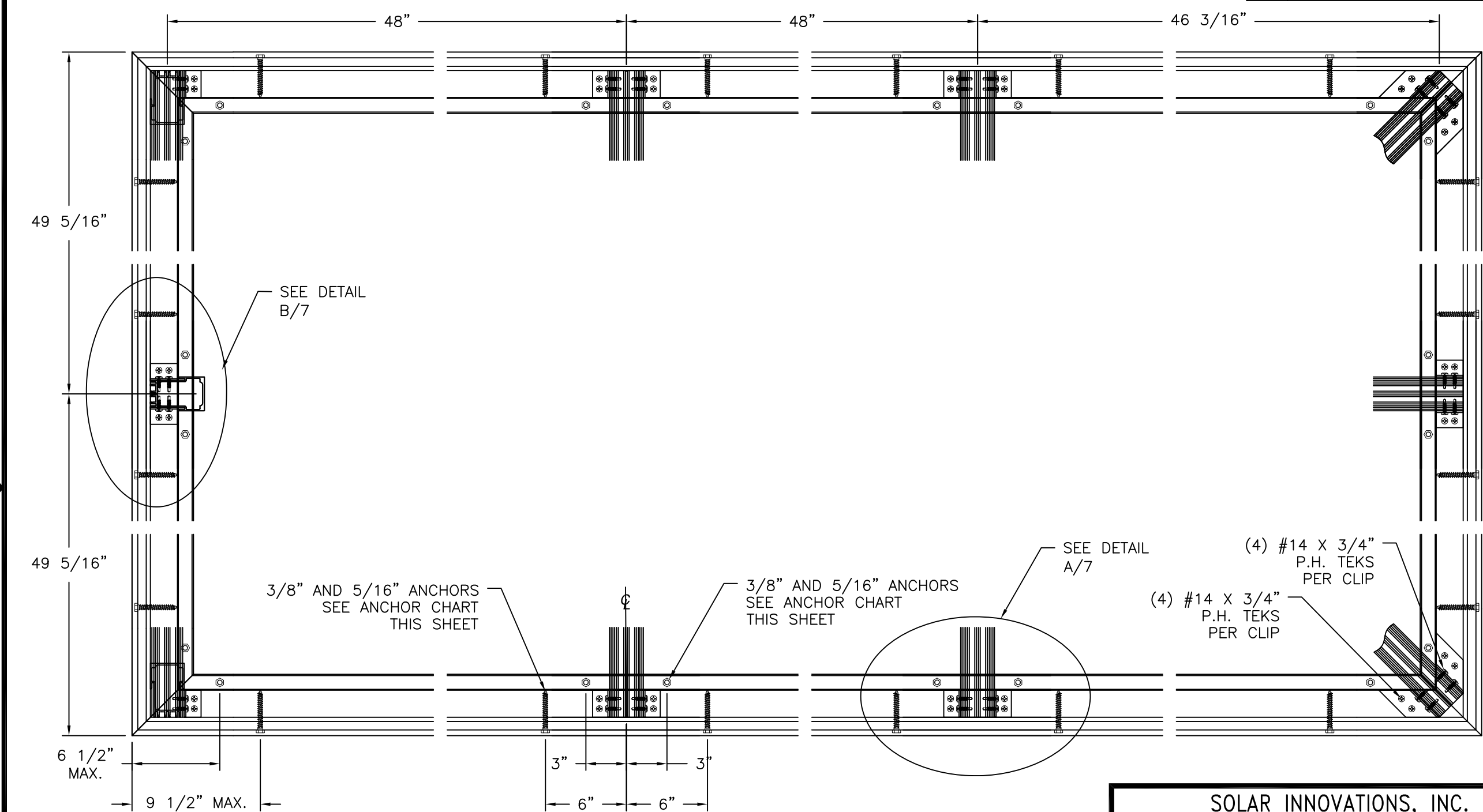
SIGNED: 04/14/2026

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI5200 PYRAMID THERMALLY – BROKEN ALUMINUM SKYLIGHT NON-IMPACT APPROVED CONFIGURATIONS		
DRAWN: V.L.	DWG NO. 08-02826E	REV D
SCALE NTS	DATE 09/29/15	SHEET 4 OF 21
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

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Anchor chart			
Anchor type	Substrate	Min edge distance	Min embedment
3/8" lag bolt	wood	1 1/2"	2"
3/8" SMS	metal	3/4"	see note 11 sheet 1
5/16" Ultracon	grout filled block	2 1/2"	2 1/4"
5/16" Ultracon	concrete	1 1/4"	1 3/4"
1/4" lag bolt	wood	1 1/2"	2"
1/4" SMS	metal	3/4"	see note 11 sheet 1
1/4" Ultracon	grout filled block	2 1/2"	2 1/4"
1/4" Ultracon	concrete	1 1/4"	1 3/4"

SILL PLAN
SILL FRAME INSTALLATION
3/8" AND 5/16" ANCHORS

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
SILL PLAN

DRAWN:
V.L.

DWG NO.
08-02826E

REV
D

SCALE
NTS

DATE
09/29/15

SHEET
5 OF 21

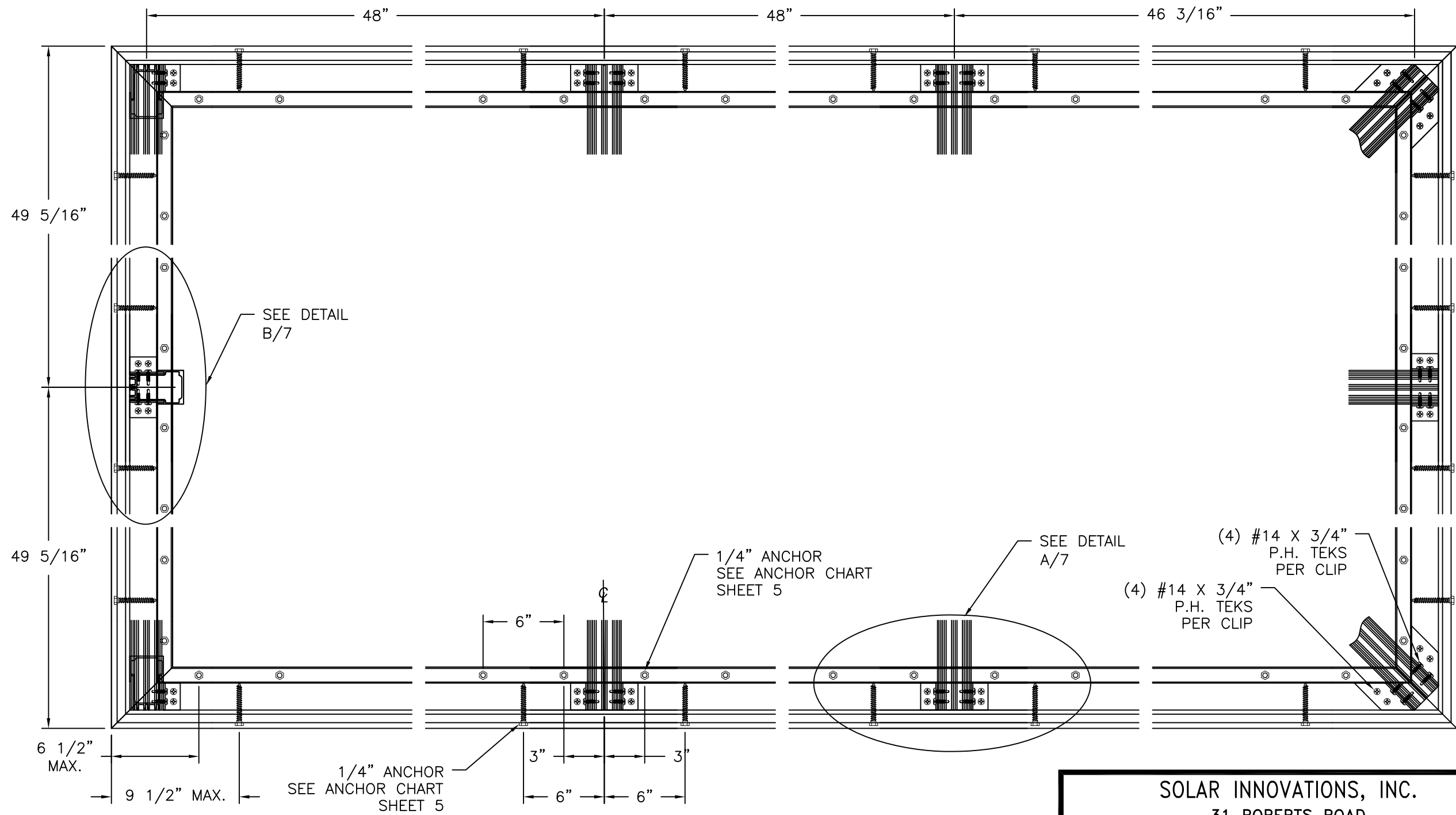
L. ROBERTO LOMAS P.E.

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FL No.: 62514

REVISIONS			
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SILL PLAN
SILL FRAME INSTALLATION
1/4" ANCHORS

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
SILL PLAN

DRAWN: V.L.

DWG NO. 08-02826E

REV D

SCALE NTS

DATE 09/29/15

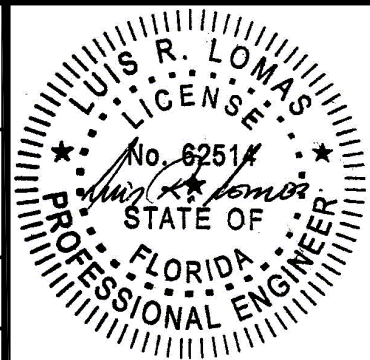
SHEET 6 OF 21

L. ROBERTO LOMAS P.E.

208 7th Ave, INDIALANTIC, FL 32903

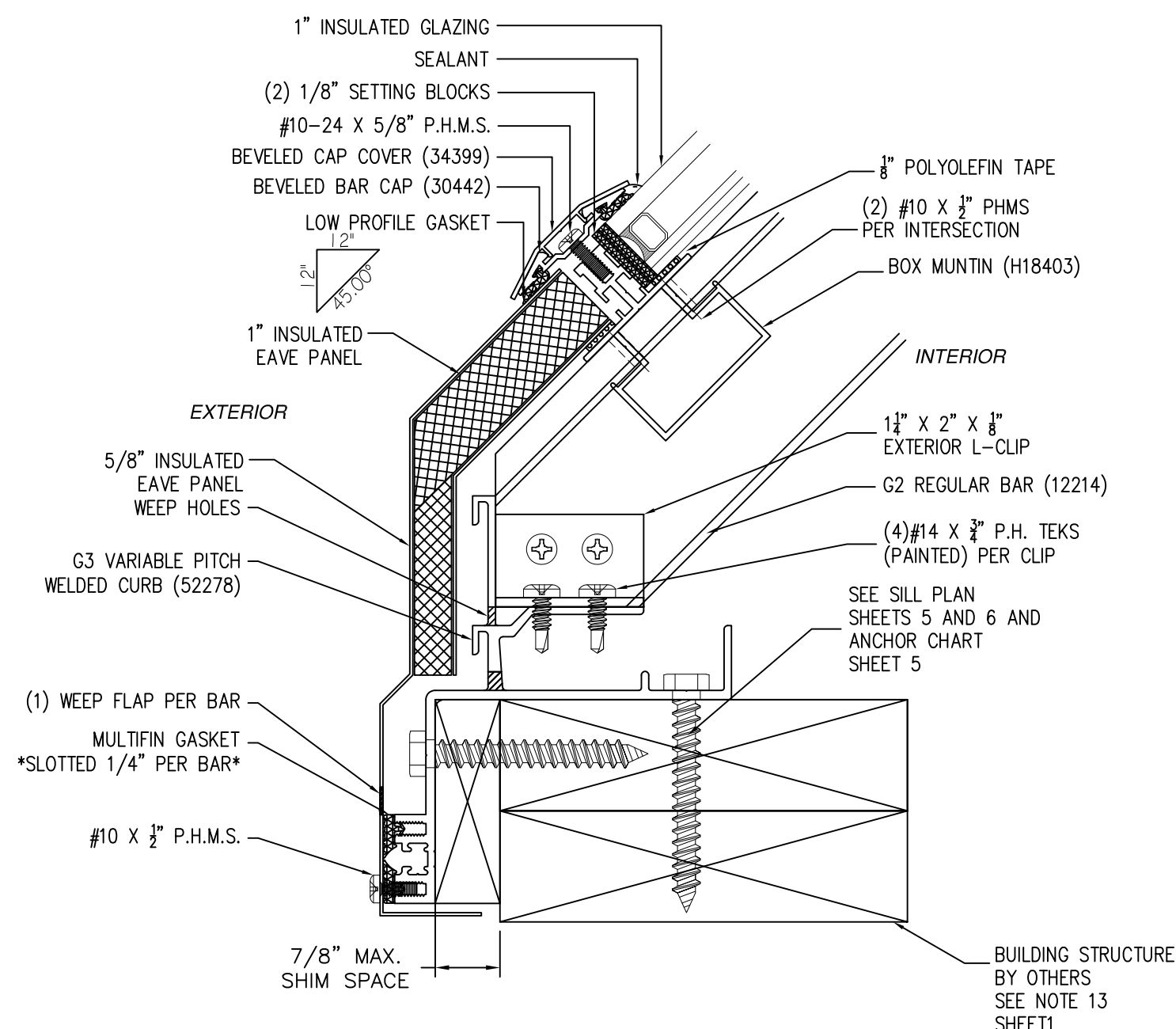
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 04/14/2026

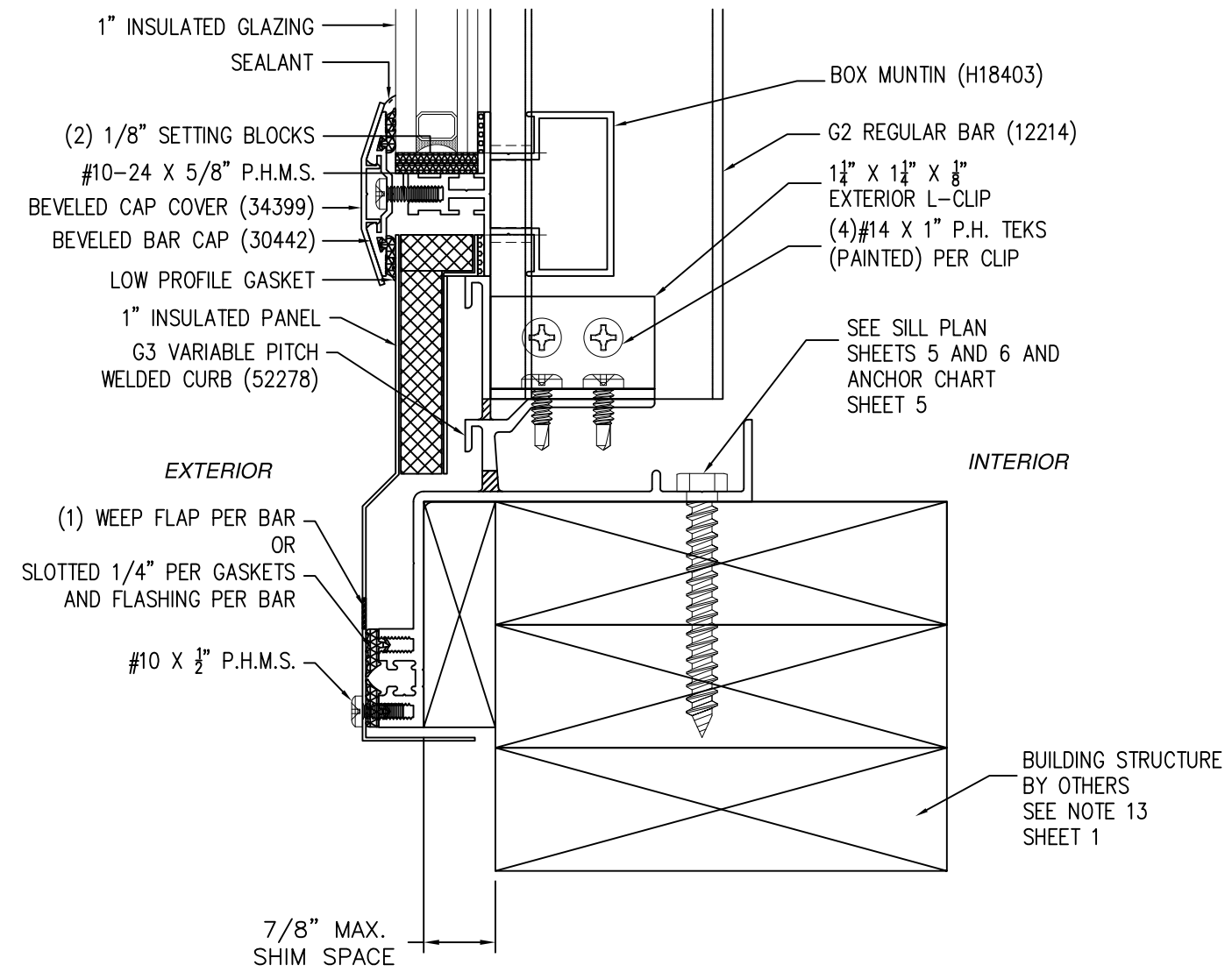


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FL No.: 62514

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E	REVISED DETAILS	04/14/26	R.L.



A
7
SILL DETAIL
WITH INSULATED GLASS



B
7
SILL DETAIL AT GABLE
WITH INSULATED GLASS

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
INSTALLATION DETAILS

DRAWN:
V.L.

DWG NO.
08-02826E

REV
D

SCALE
NTS

DATE
09/29/15

SHEET
7 OF 21

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 04/14/2026

LUIS R. LOMAS

LICENSE

No. 62514

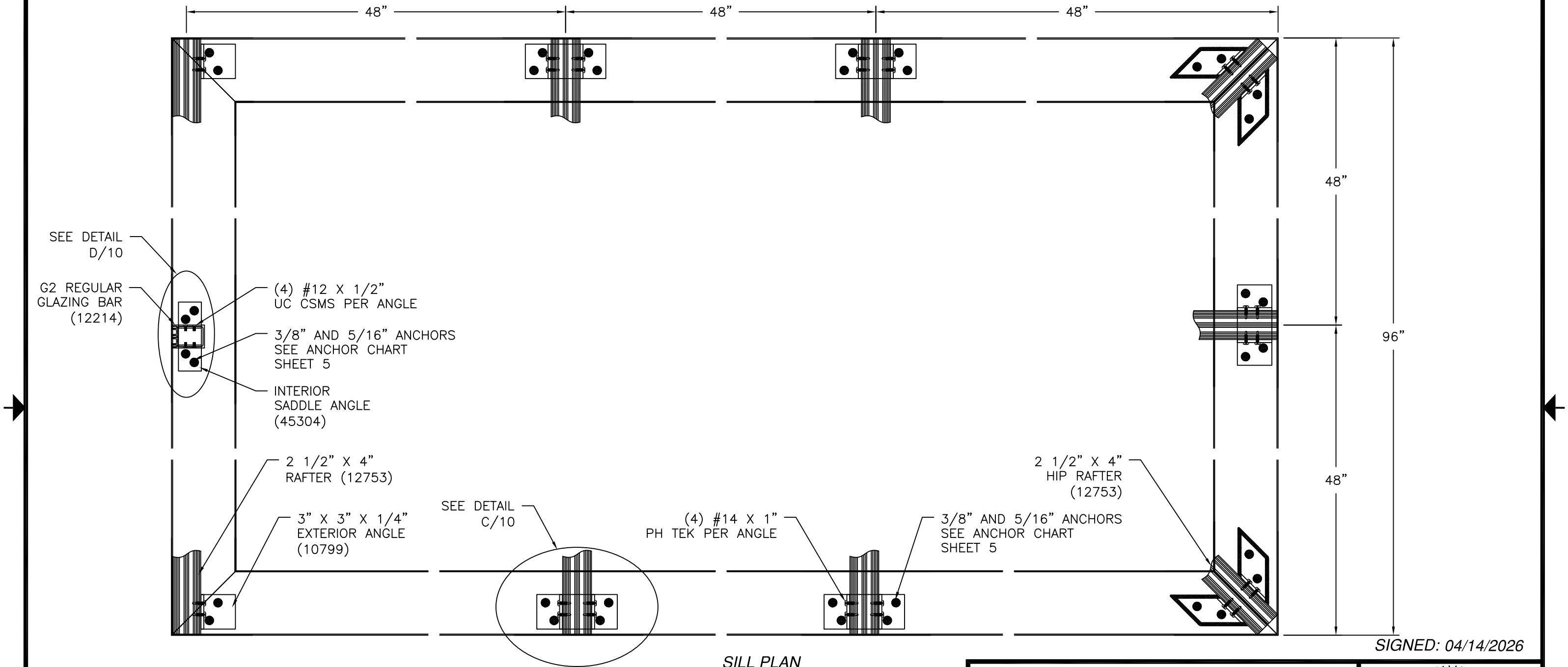
STATE OF

FLORIDA

PROFESSIONAL ENGINEER

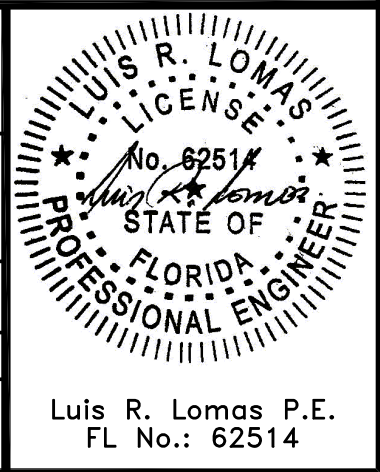
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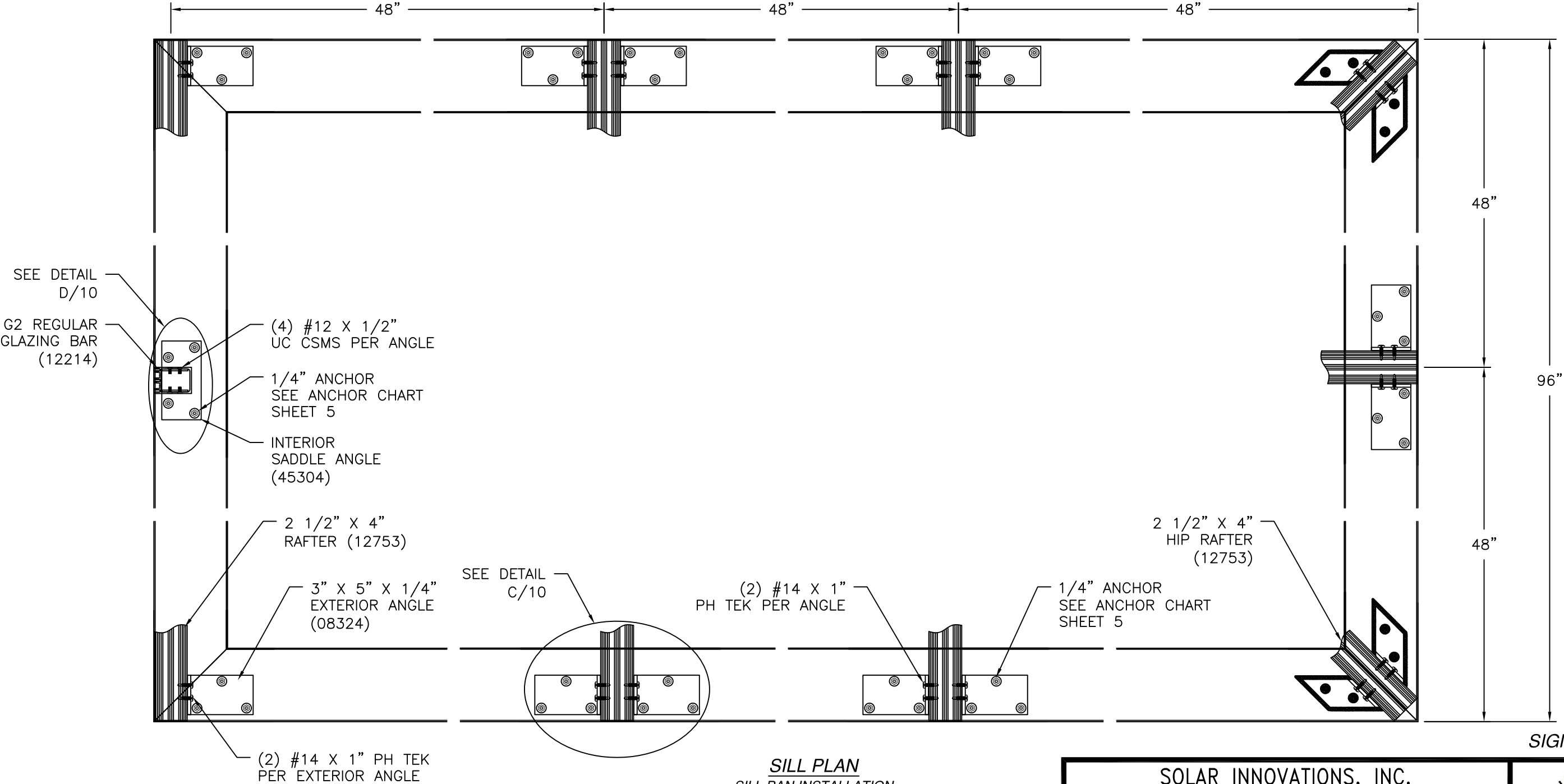


SILL PLAN
SILL PAN INSTALLATION
3/16" AND 5/16" ANCHORS

SOLAR INNOVATIONS, INC.		
31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI5200 PYRAMID THERMALLY – BROKEN ALUMINUM SKYLIGHT NON-IMPACT SILL PLAN SILL PAN		
DRAWN: V.L.	DWG NO. 08-02826E	REV D
SCALE NTS	DATE 09/29/15	SHEET 8 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.



SILL PLAN
SILL PAN INSTALLATION
1/4" ANCHORS

SIGNED: 04/14/2026

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

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
SILL PLAN SILL PAN

DRAWN:
V.L.

DWG NO.
08-02826E

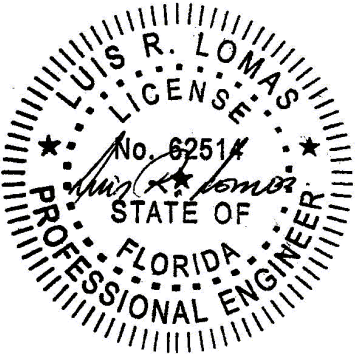
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NTS

DATE
09/29/15

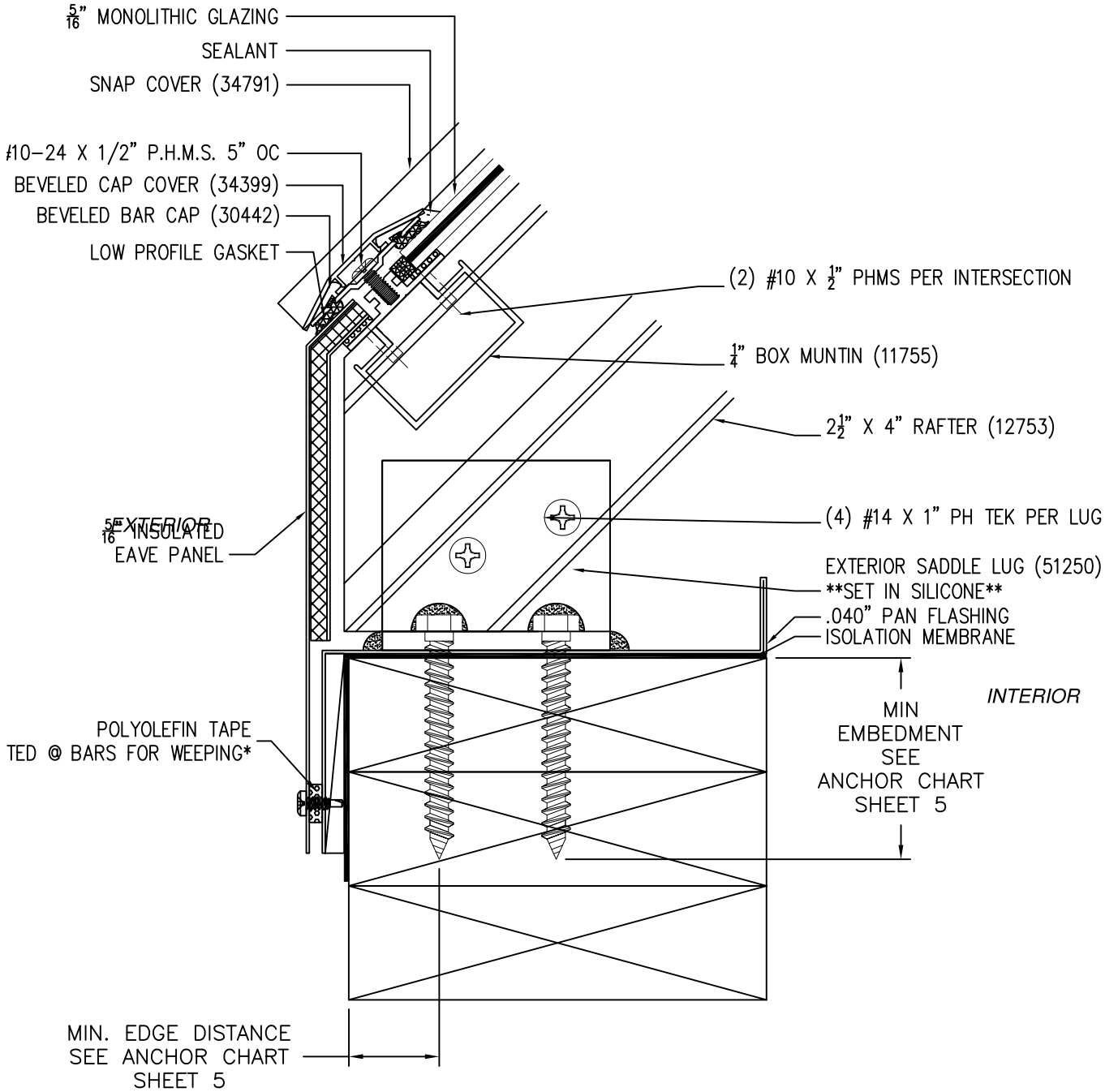
SHEET
9 OF 21

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

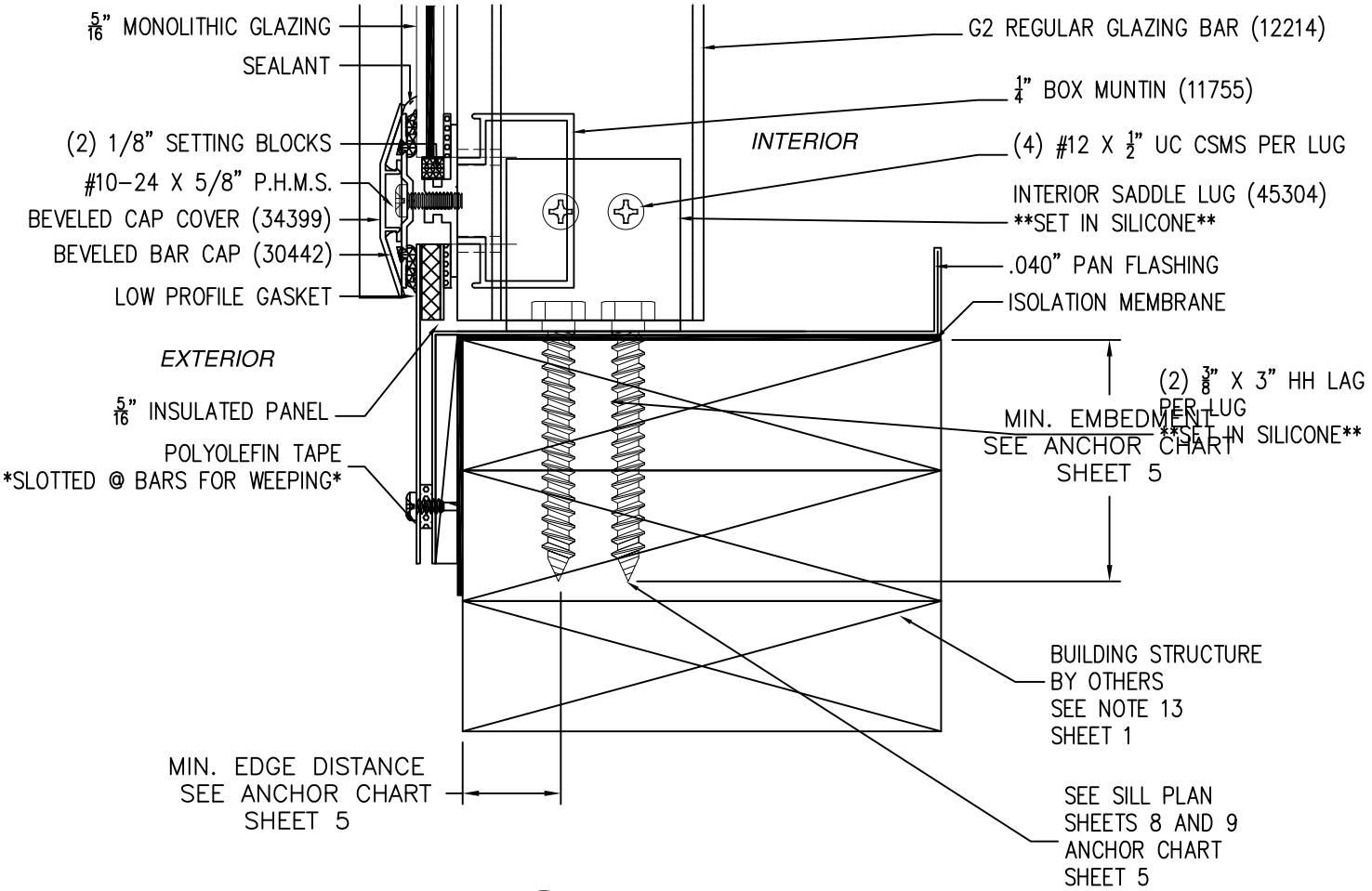


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
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C
10 SILL DETAIL
WITH MONOLITHIC GLASS



D
10 SILL DETAIL AT GABLE
WITH MONOLITHIC GLASS

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
INSTALLATION DETAILS

DRAWN:
V.L.

DWG NO.
08-02826E

REV
D

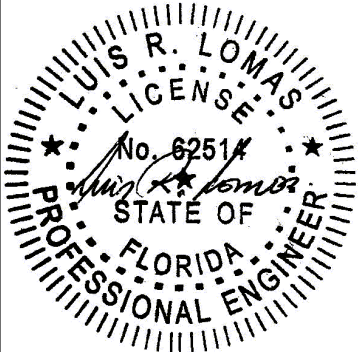
SCALE
NTS

DATE
09/29/15

SHEET
10 OF 21

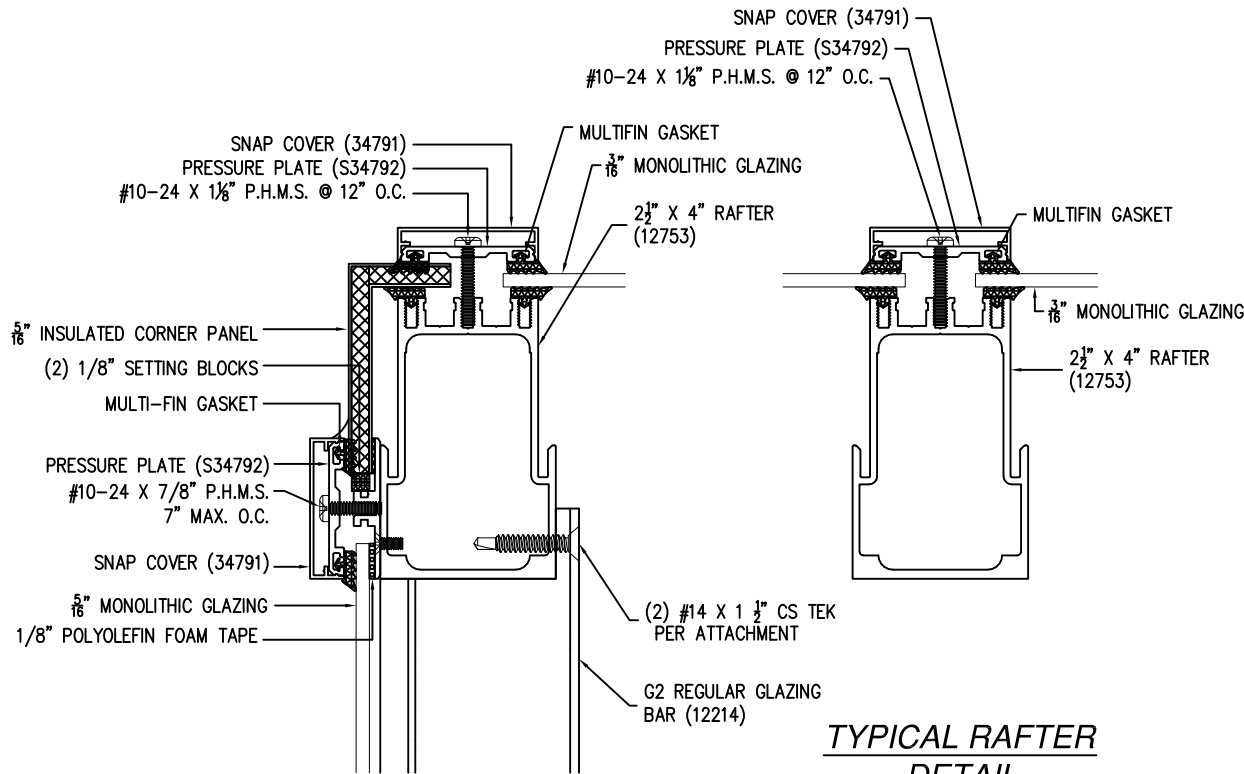
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 04/14/2026



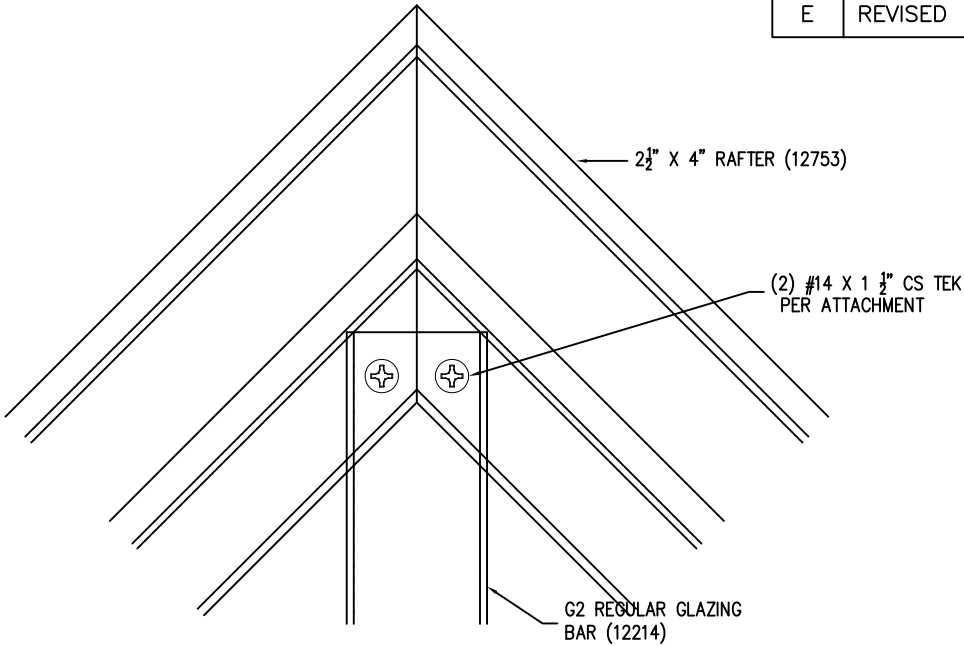
Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.

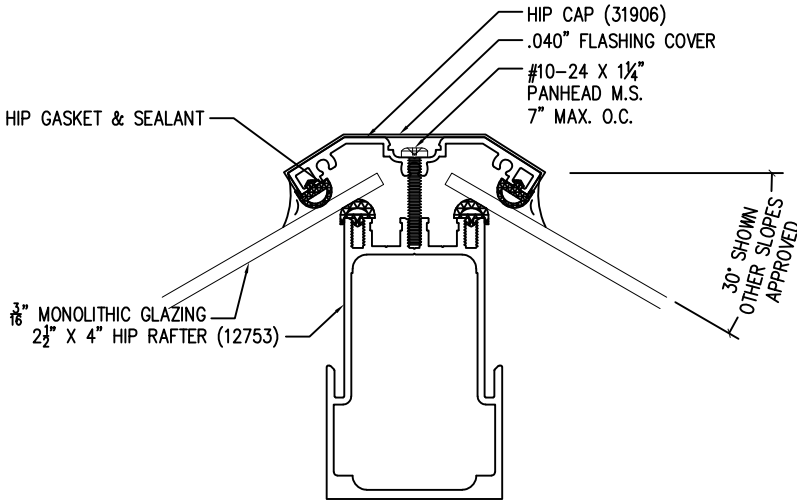


GABLE RAFTER HEAD
DETAIL
WITH MONOLITHIC GLASS

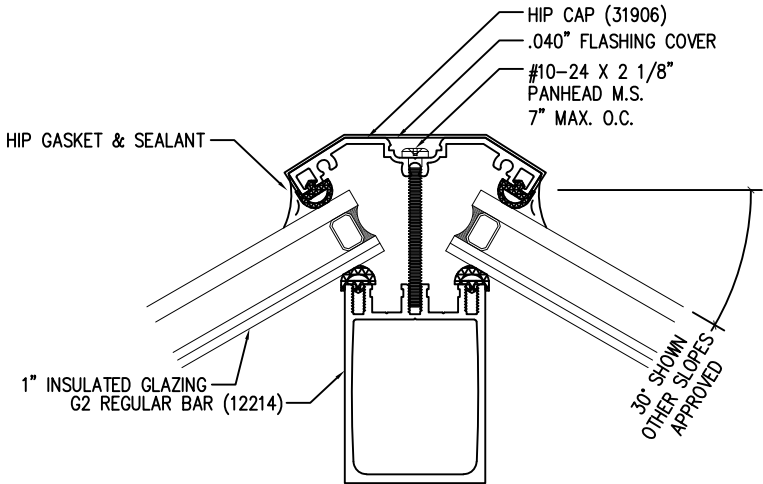
TYPICAL RAFTER
DETAIL
WITH MONOLITHIC GLASS



GABLE RAFTER CONNECTION DETAIL

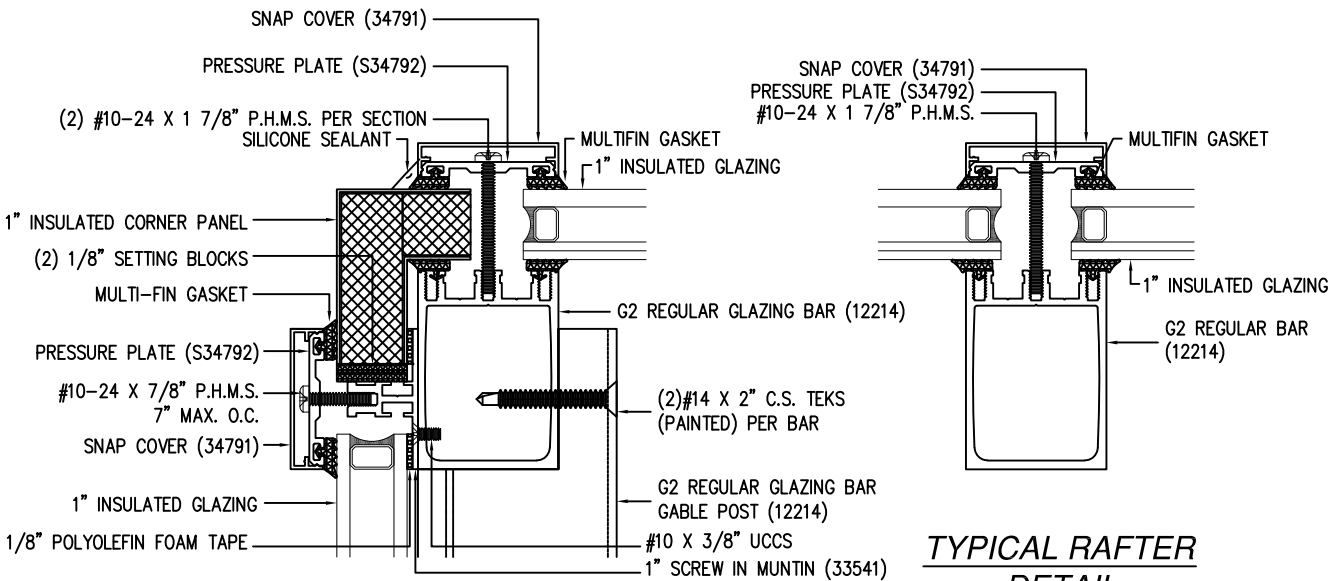


HIP RAFTER DETAIL
WITH MONOLITHIC GLASS



HIP RAFTER DETAIL
WITH INSULATED GLASS

SIGNED: 04/14/2026



GABLE RAFTER HEAD
DETAIL
WITH INSULATED GLASS

TYPICAL RAFTER
DETAIL
WITH INSULATED GLASS

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
INSTALLATION DETAILS

DRAWN: V.L.

DWG NO. 08-02826E

REV D

SCALE NTS

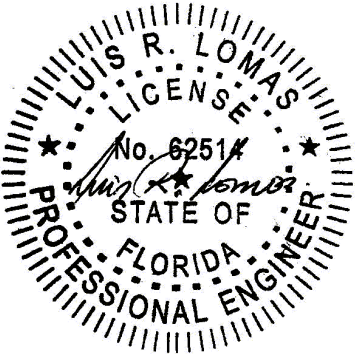
DATE 09/29/15

SHEET 11 OF 21

L. ROBERTO LOMAS P.E.

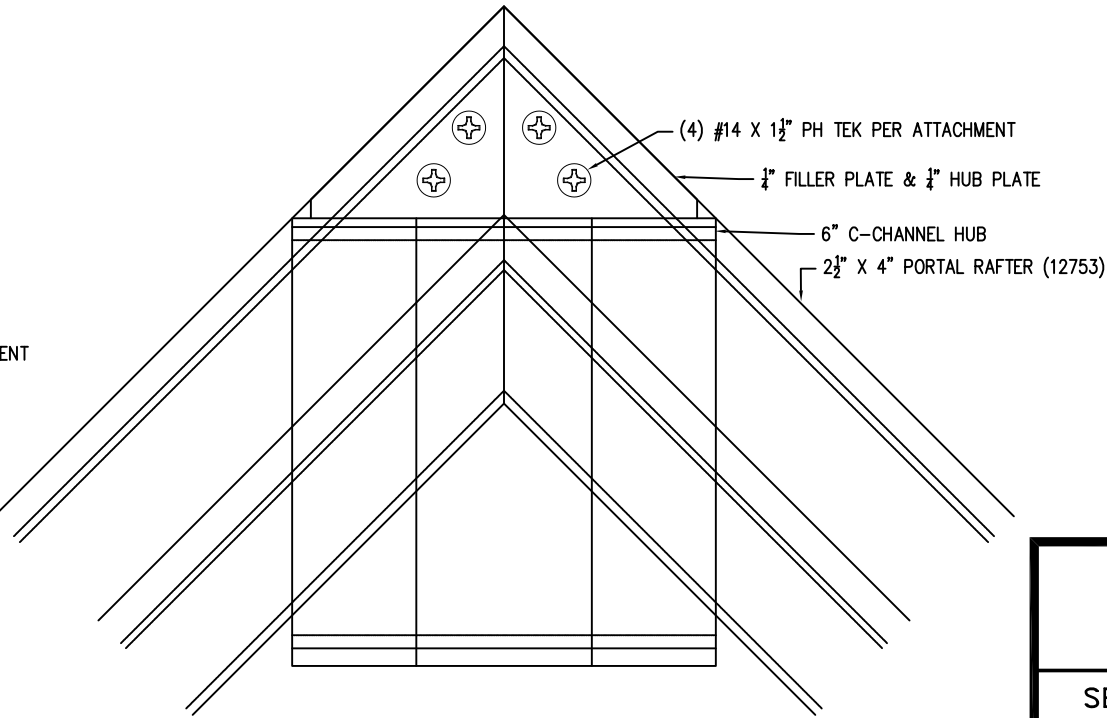
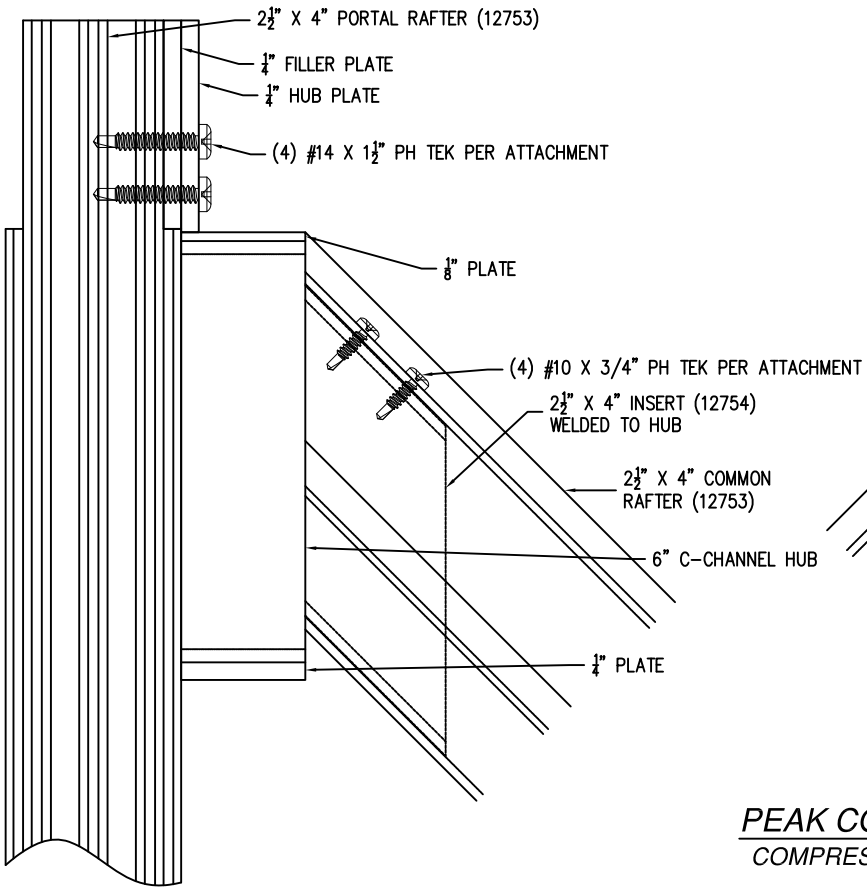
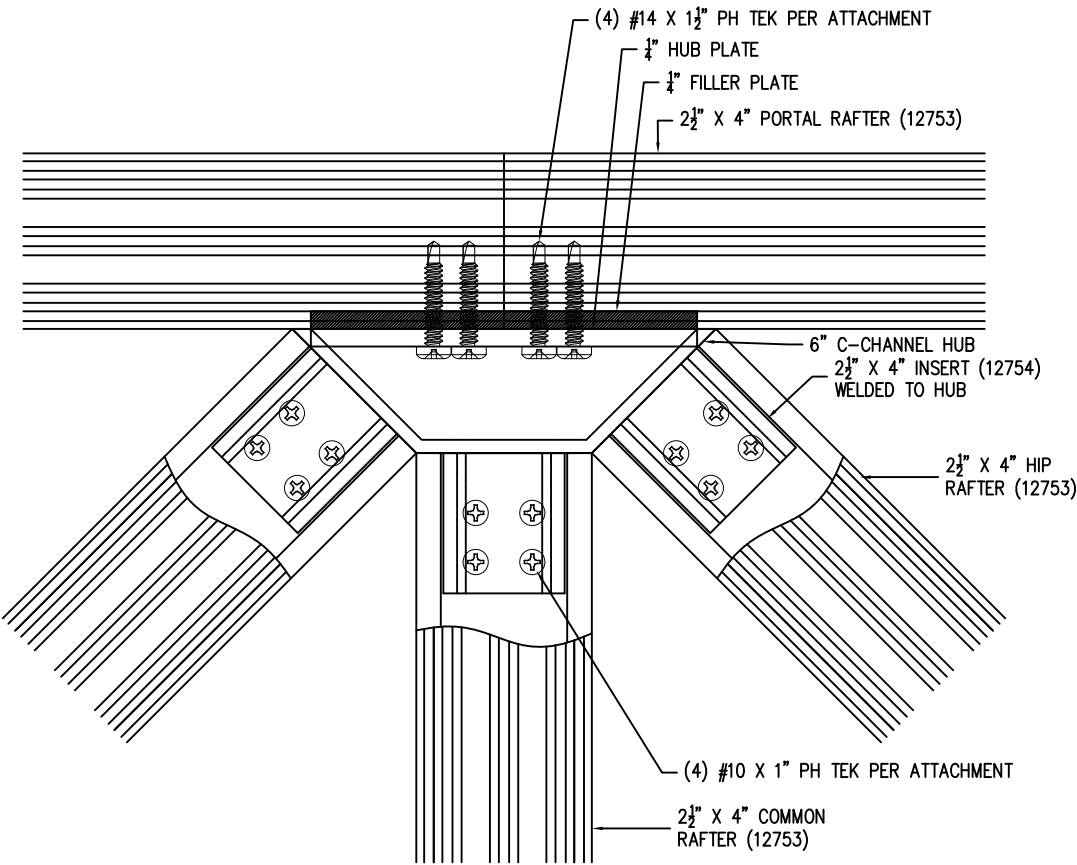
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com



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

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.



PEAK CONNECTION DETAIL
 COMPRESSION RING IS NOT USED

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
INSTALLATION DETAILS

DRAWN:
V.L.

DWG NO.
08-02826E

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D

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NTS

DATE
09/29/15

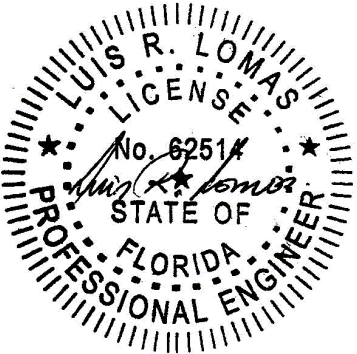
SHEET
12 OF 21

L. ROBERTO LOMAS P.E.

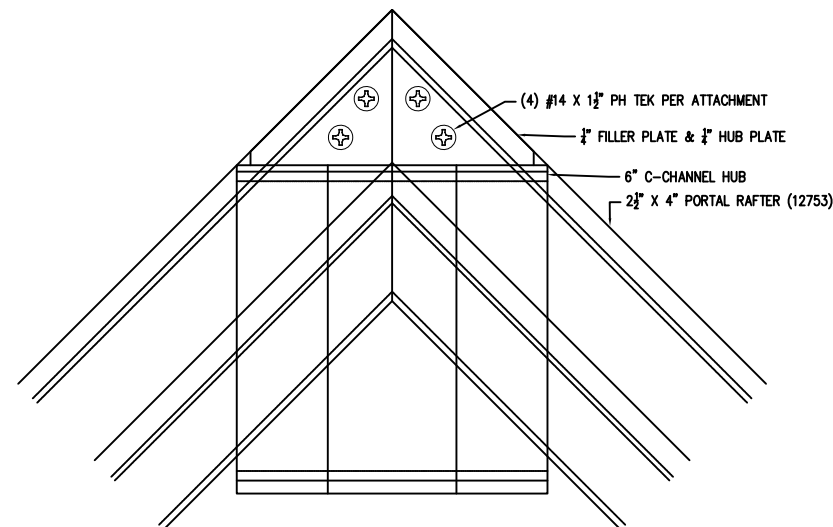
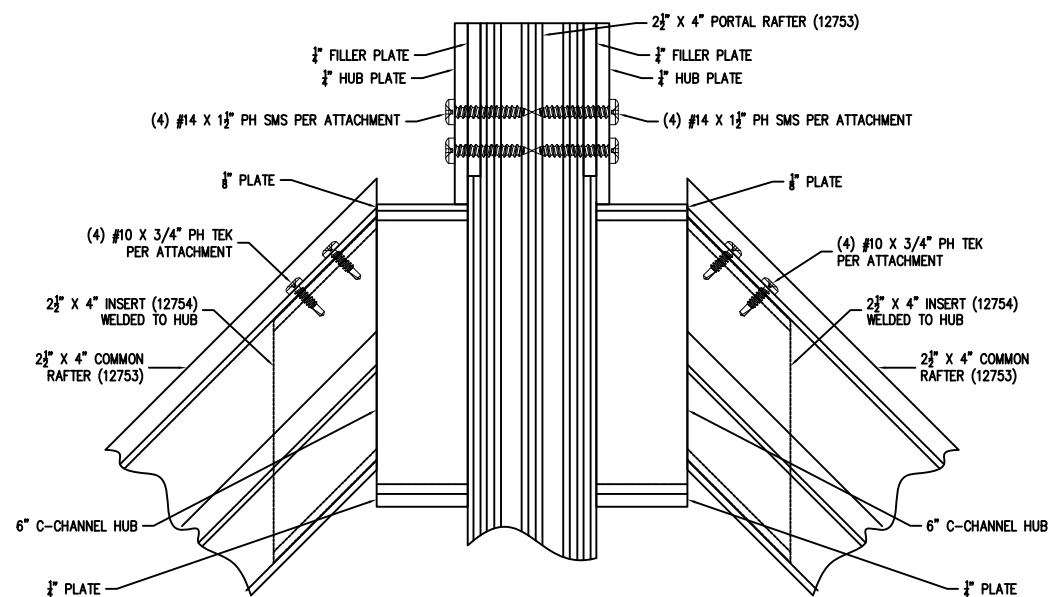
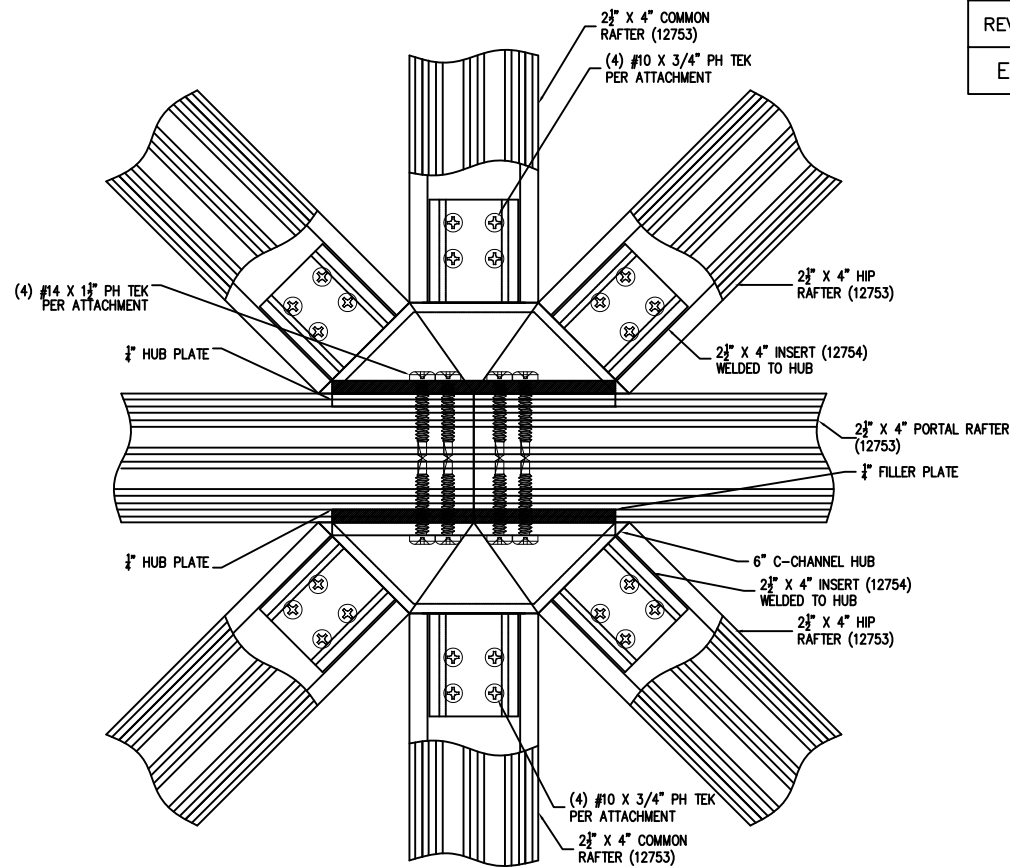
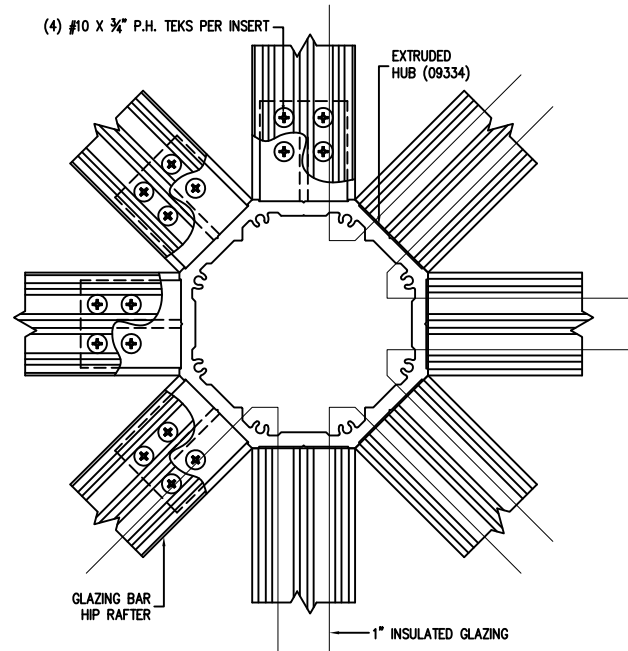
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

SIGNED: 04/14/2026



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



PEAK CONNECTION DETAIL
OCTAGON CONFIGURATION with
8 SIDED HUB OPTION
COMPRESSION RING IS NOT USED

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.

SIGNED: 04/14/2026

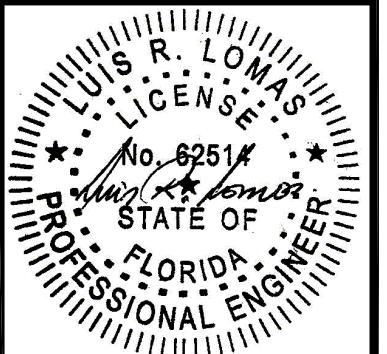
SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
INSTALLATION DETAILS

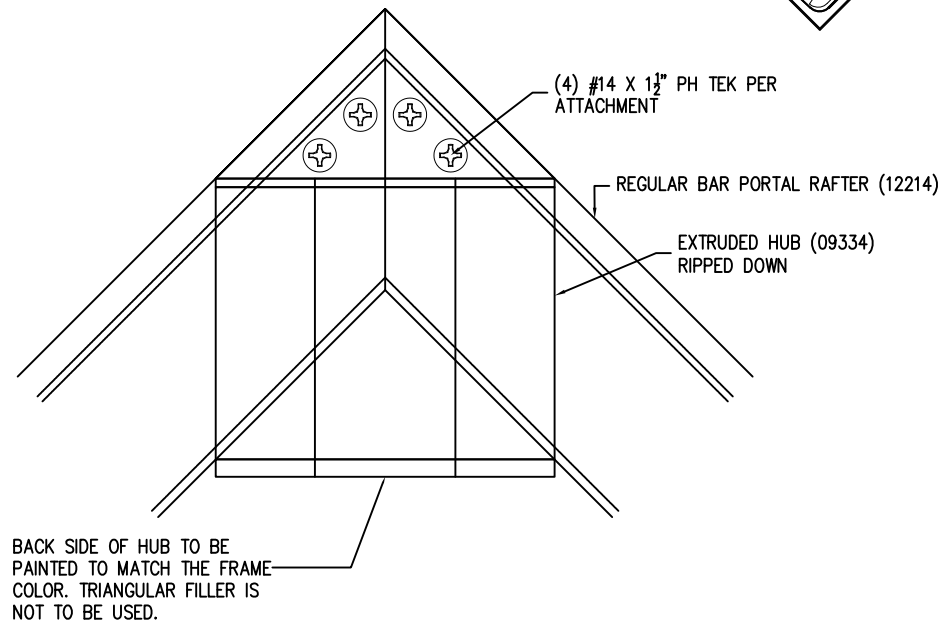
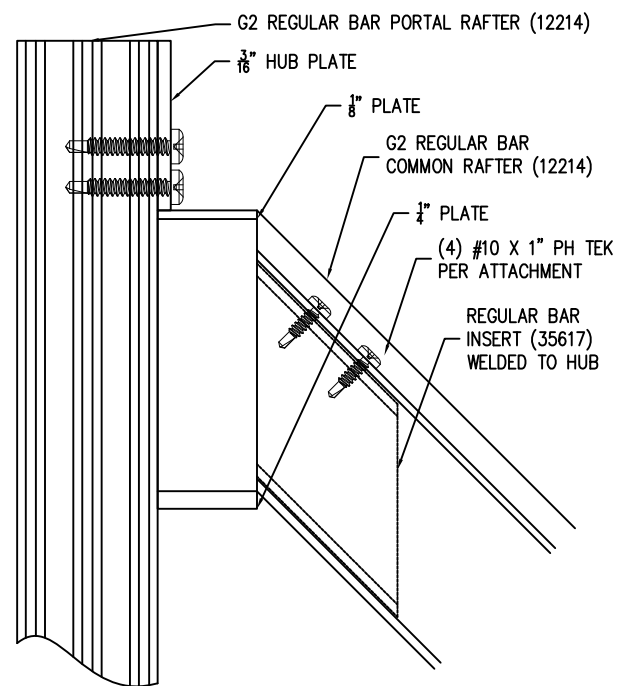
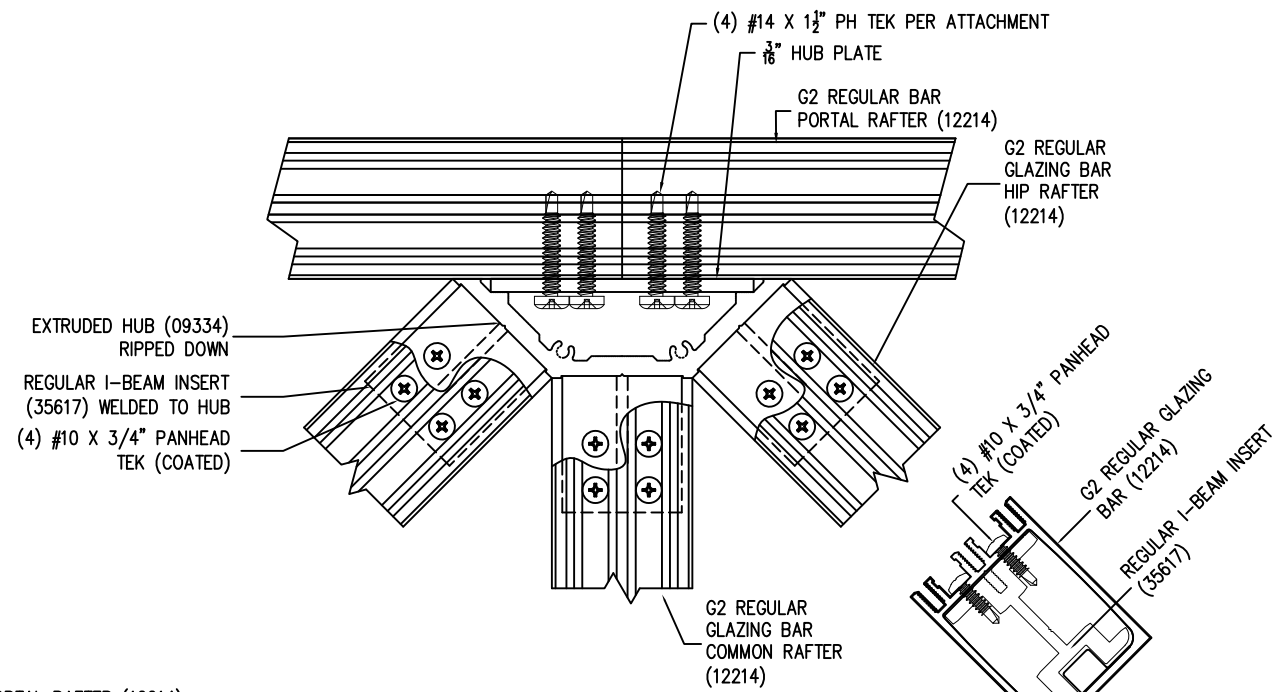
DRAWN: V.L.	DWG NO. 08-02826E	REV D
SCALE NTS	DATE 09/29/15	SHEET 13 OF 21

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

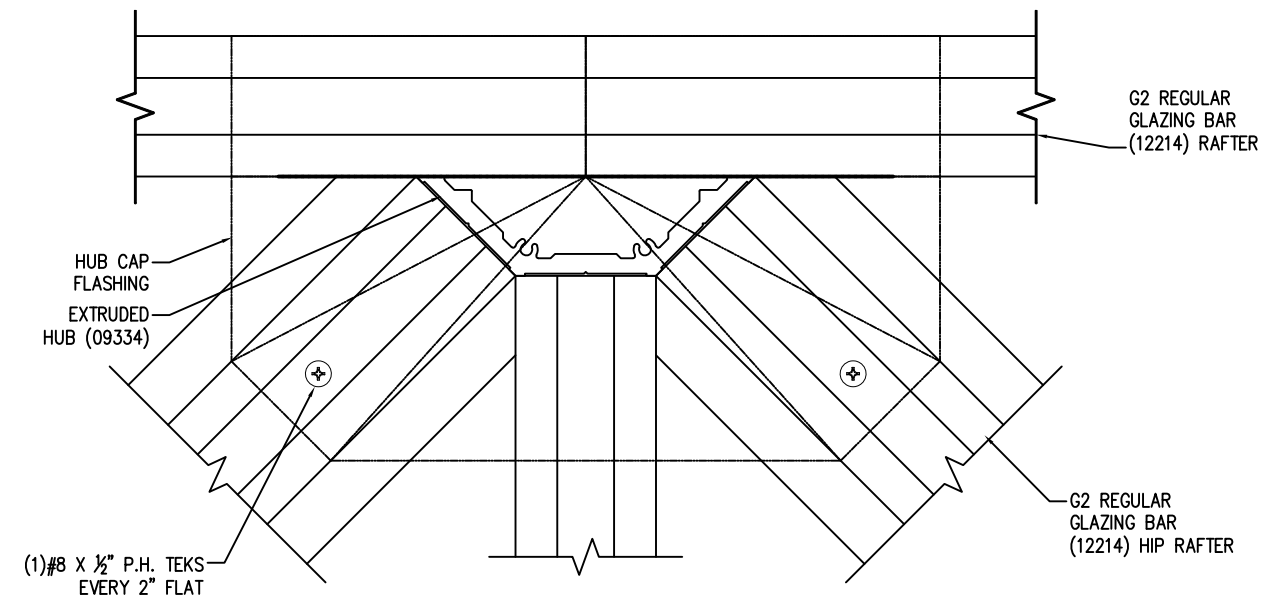


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FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
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OPTIONAL HUB CONNECTION DETAIL

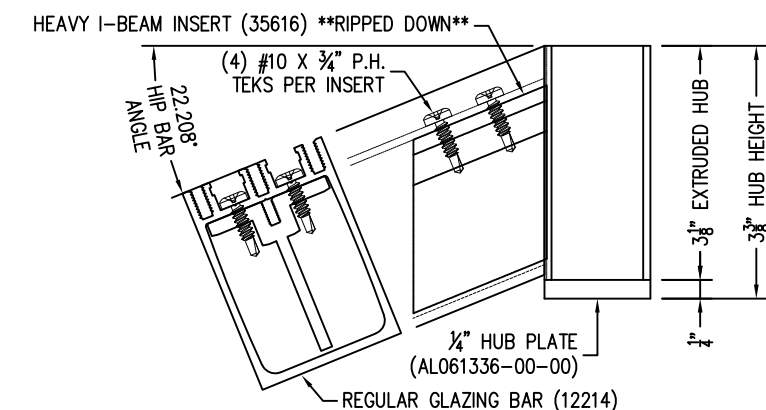
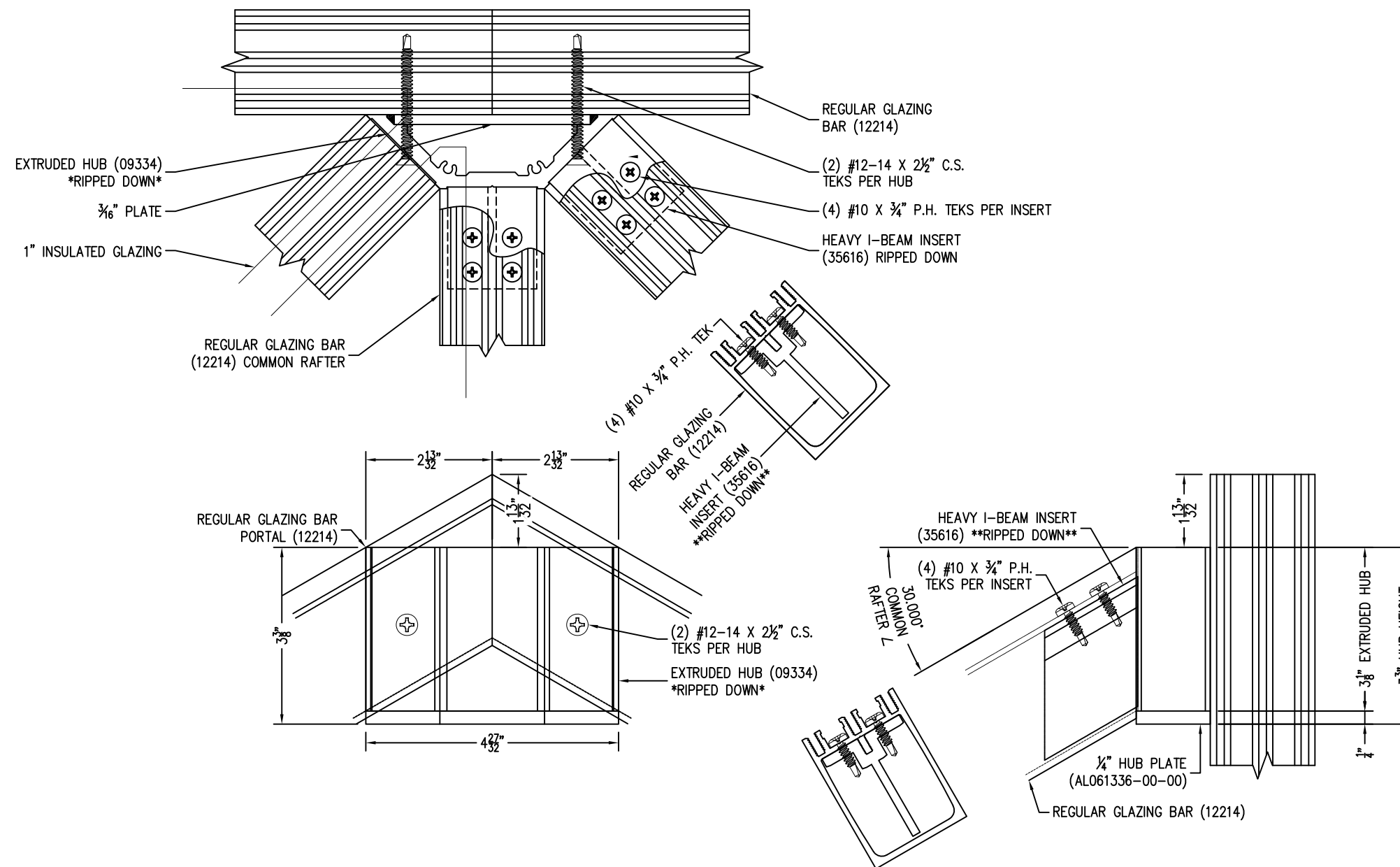


HUB CAP DETAIL

SIGNED: 04/14/2026

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963			
SERIES SI5200 PYRAMID THERMALLY – BROKEN ALUMINUM SKYLIGHT NON-IMPACT INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02826E	REV D	
SCALE NTS	DATE 09/29/15	SHEET 14 OF 21	
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

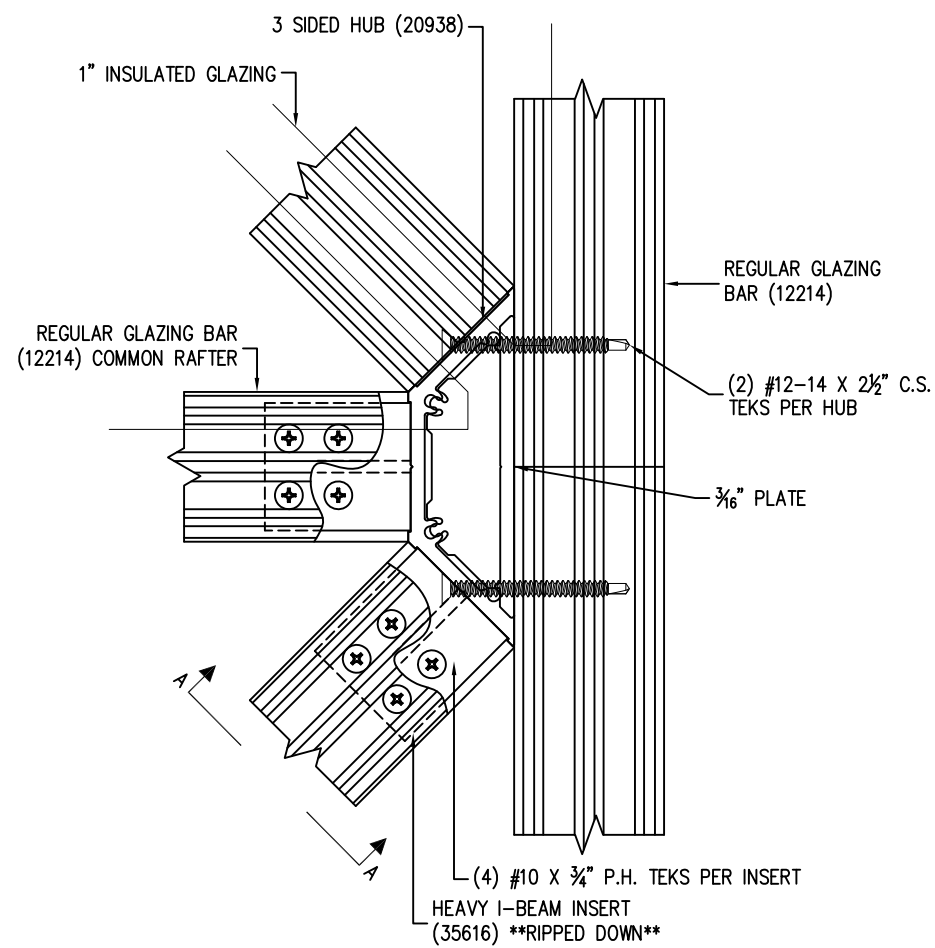
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.



OPTIONAL HUB CONNECTION DETAIL

SIGNED: 04/14/2026

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963			
SERIES SI5200 PYRAMID THERMALLY – BROKEN ALUMINUM SKYLIGHT NON-IMPACT INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02826E	REV D	
SCALE NTS	DATE 09/29/15	SHEET 15 OF 21	
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



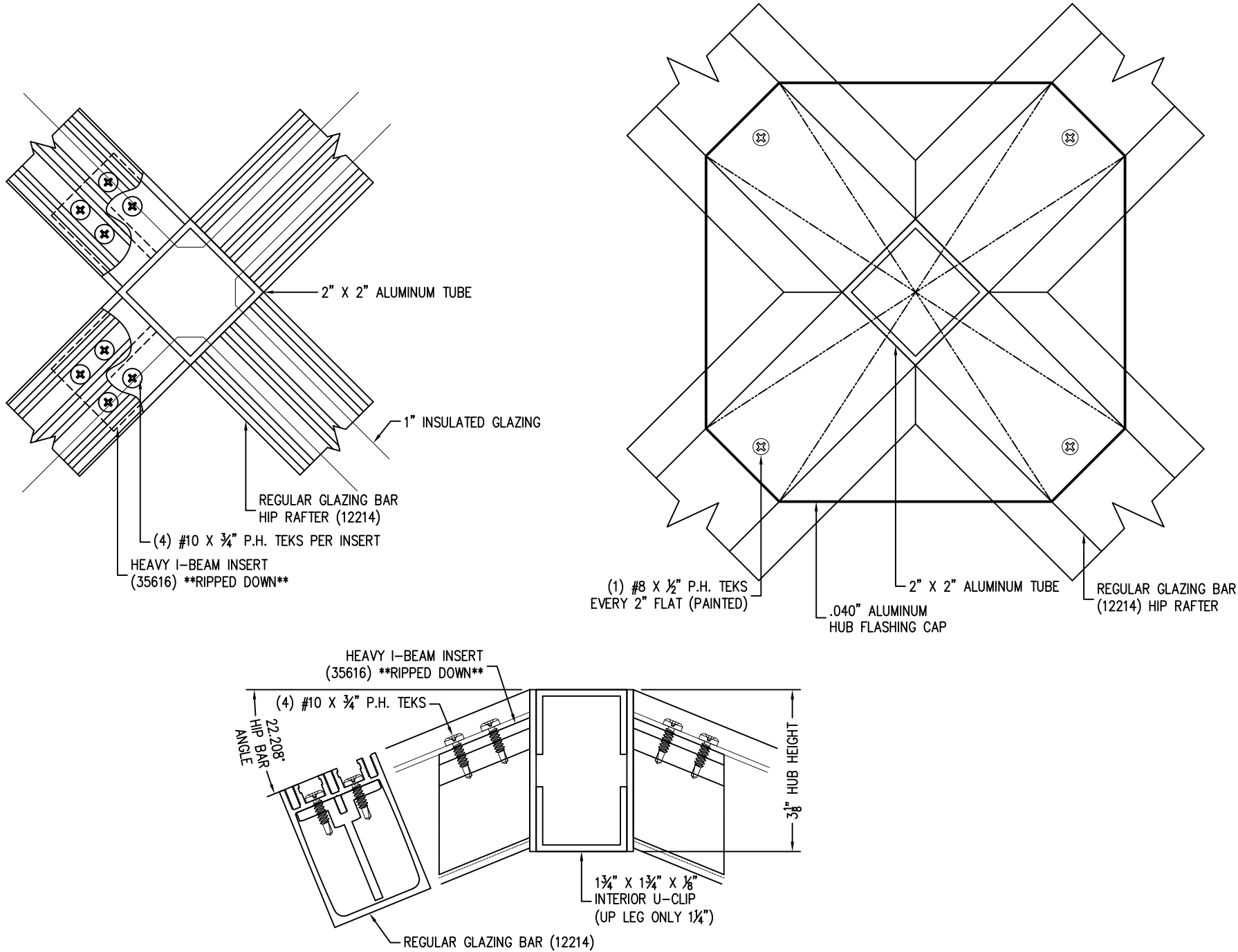
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REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.

OPTIONAL 3 SIDED HUB CONNECTION DETAIL

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SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963			
SERIES SI5200 PYRAMID THERMALLY – BROKEN ALUMINUM SKYLIGHT NON-IMPACT INSTALLATION DETAILS			
DRAWN: V.L.	DWG NO. 08-02826E	REV D	
SCALE NTS	DATE 09/29/15	SHEET 16 OF 21	
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
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OPTIONAL HUB CONNECTION DETAIL

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
INSTALLATION DETAILS

DRAWN: V.L.

DWG NO. 08-02826E

REV D

SCALE NTS

DATE 09/29/15

SHEET 17 OF 21

L. ROBERTO LOMAS P.E.

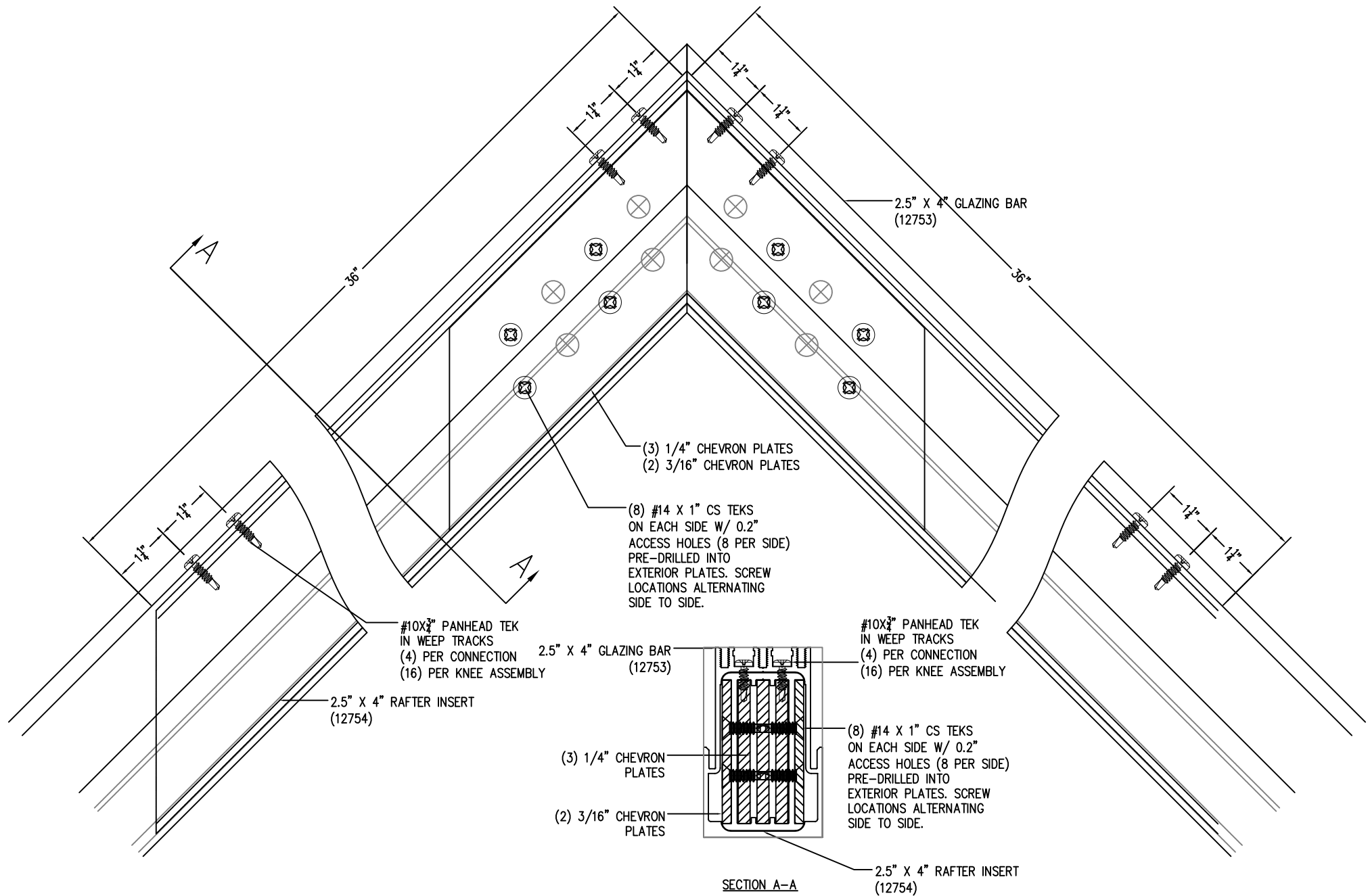
208 7th Ave, INDIALANTIC, FL 32903

434-688-0609 rllomas@lrlomaspe.com

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FL No.: 62514

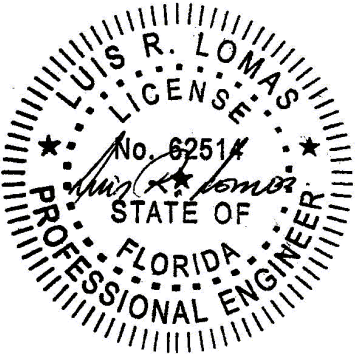
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REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.



STANDARD STAGE
KNEE ASSEMBLY

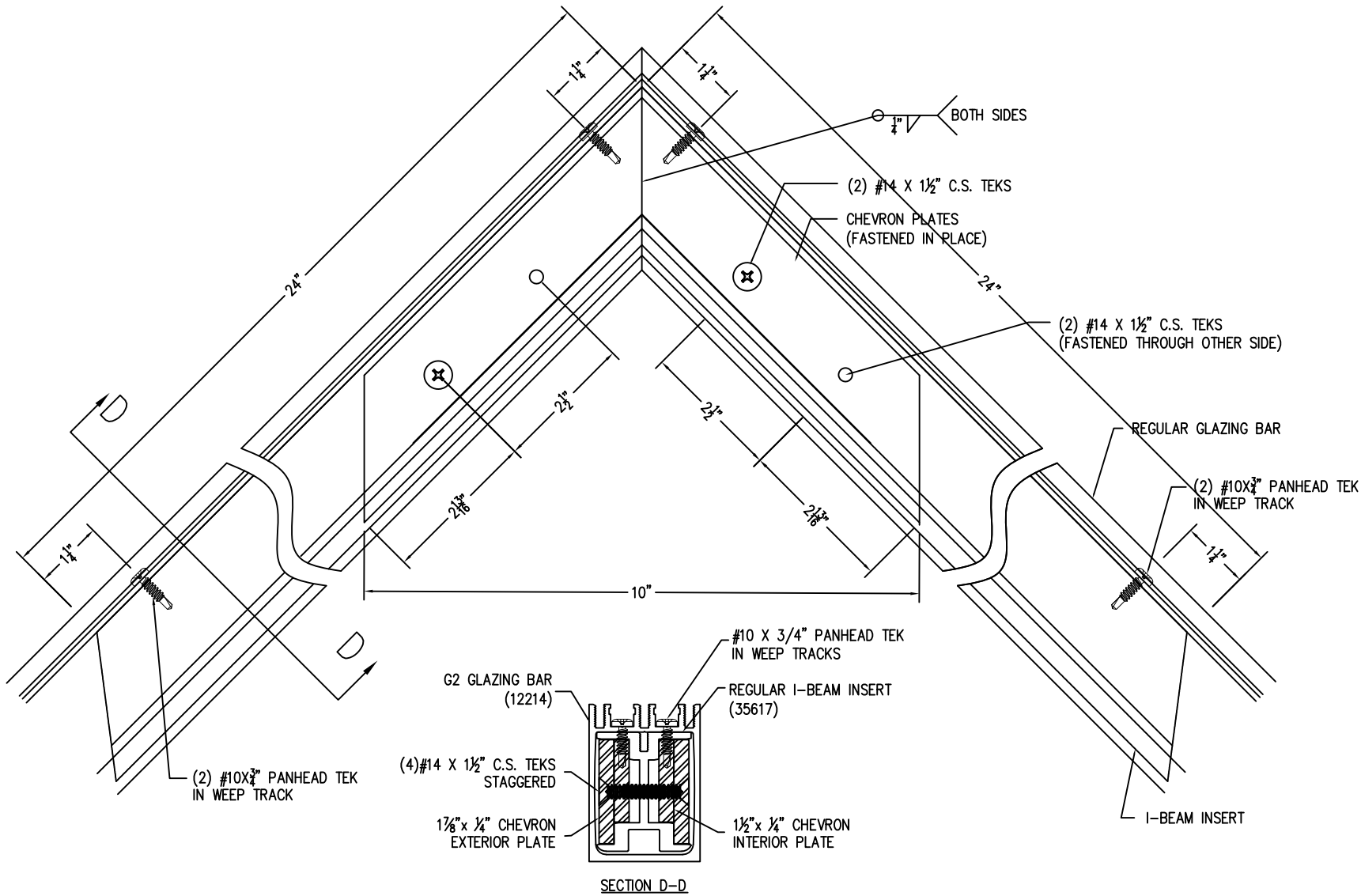
SIGNED: 04/14/2026

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI5200 PYRAMID THERMALLY – BROKEN ALUMINUM SKYLIGHT NON-IMPACT INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02826E	REV D
SCALE NTS	DATE 09/29/15	SHEET 18 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



Luis R. Lomas P.E.
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REVISIONS			
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STANDARD NONWELDED STAGE
KNEE ASSEMBLY

SIGNED: 04/14/2026

SOLAR INNOVATIONS, INC.

31 ROBERTS ROAD
PINE GROVE, PA 17963

SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
INSTALLATION DETAILS

DRAWN:
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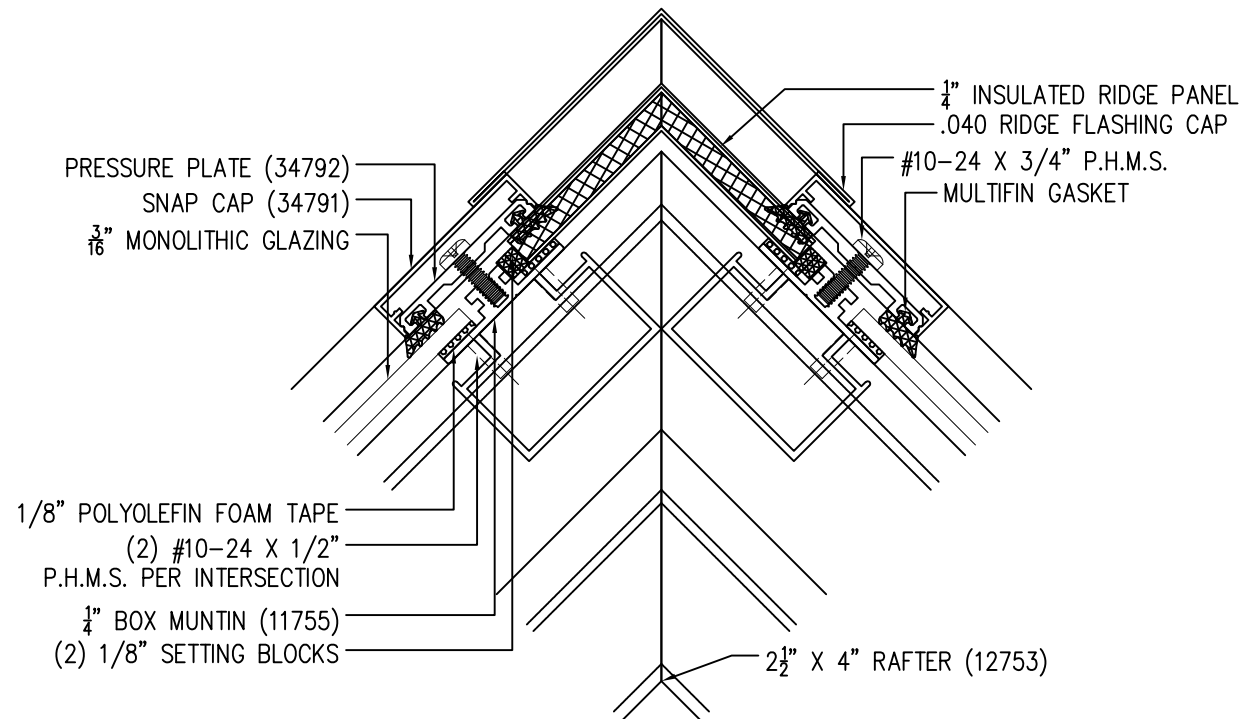
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19 OF 21

L. ROBERTO LOMAS P.E.

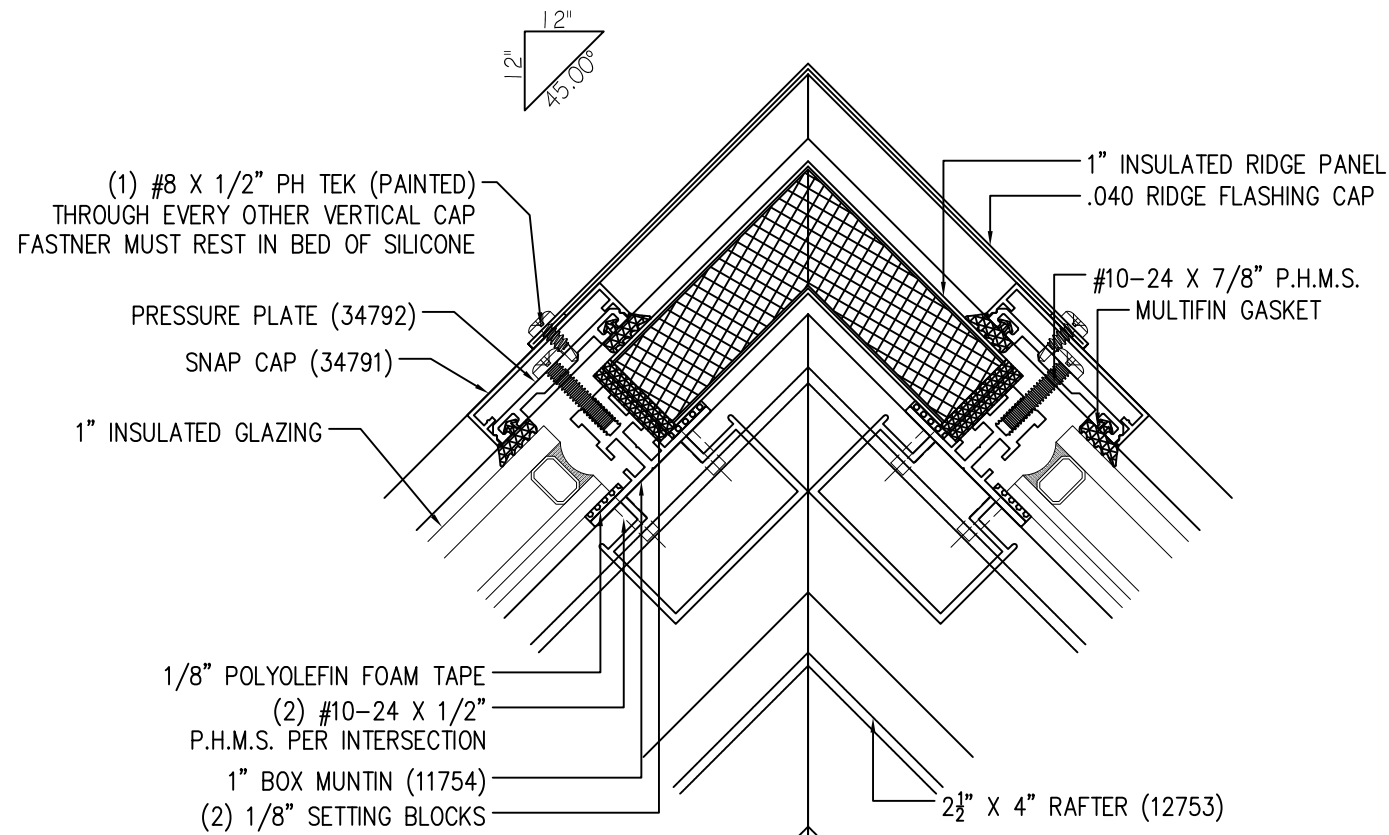
208 7th Ave, INDIALANTIC, FL 32903

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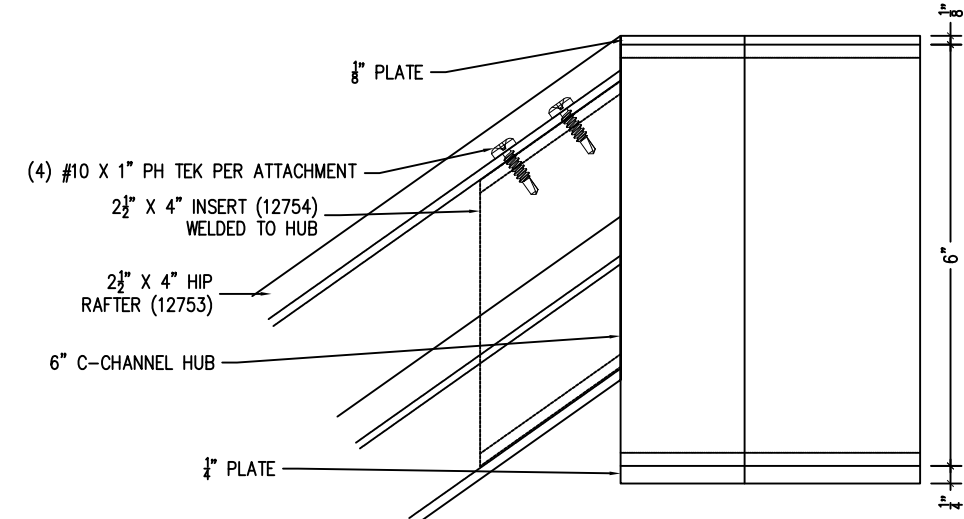


**RIDGE DETAIL
WITH MONOLITHIC GLASS**

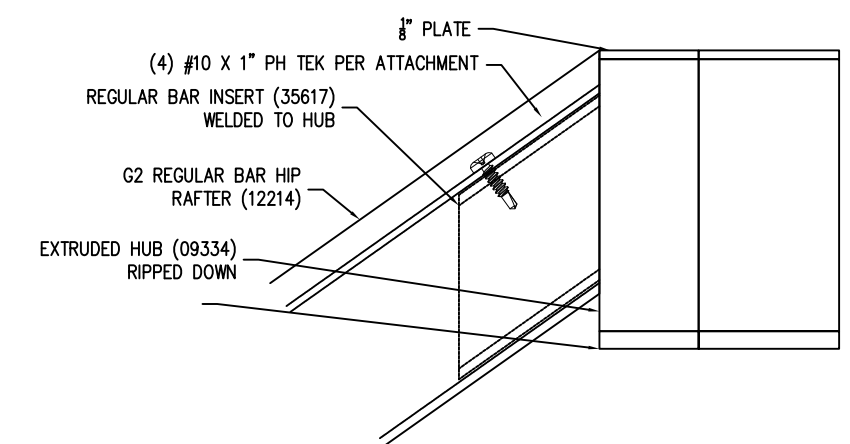


**RIDGE DETAIL
WITH INSULATED GLASS**

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
E	REVISED DETAILS	04/14/26	R.L.



**HIP RAFTER
PEAK CONNECTION**



HIP RAFTER WITH OPTIONAL HUB

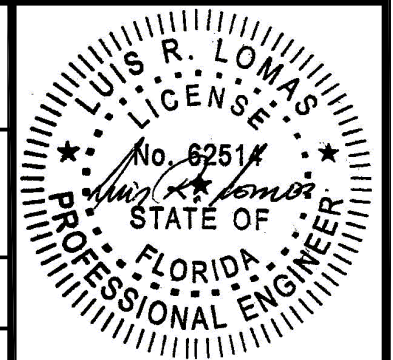
SIGNED: 04/14/2026

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

**SERIES SI5200 PYRAMID THERMALLY – BROKEN
ALUMINUM SKYLIGHT NON-IMPACT
INSTALLATION DETAILS**

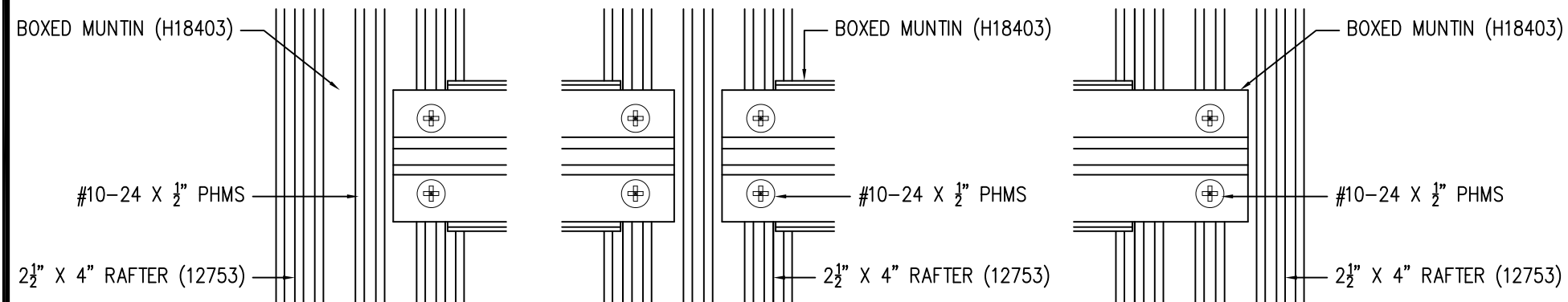
DRAWN: V.L.
SCALE NTS
DATE 09/29/15
DWG NO. 08-02826E
SHEET 20 OF 21
REV D

L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

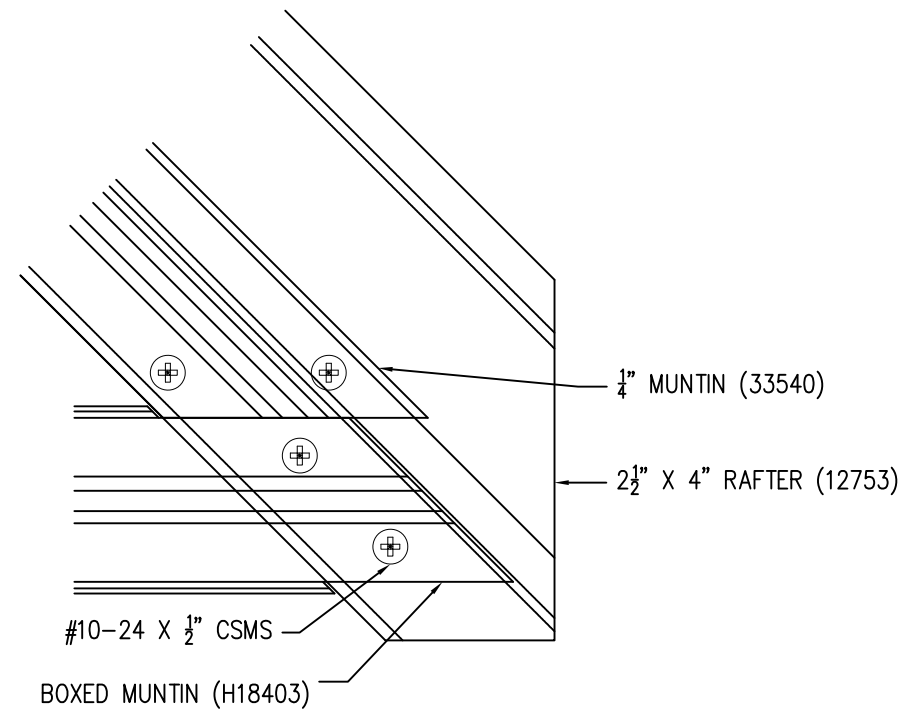


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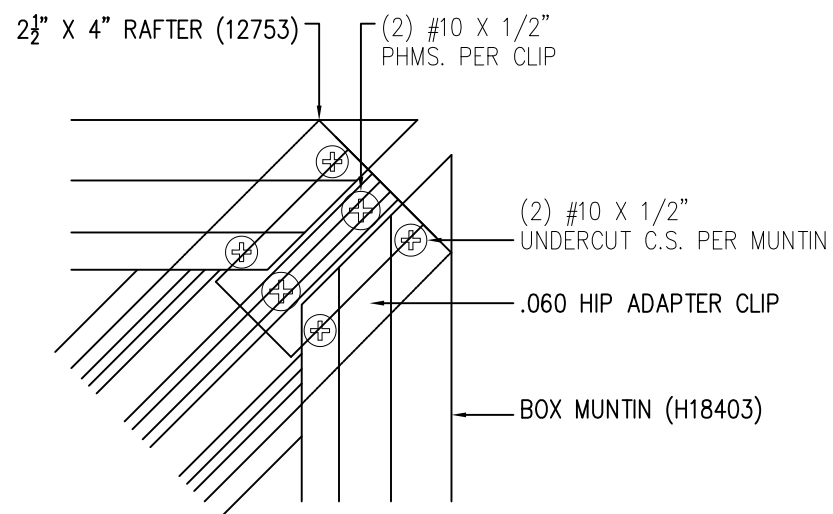
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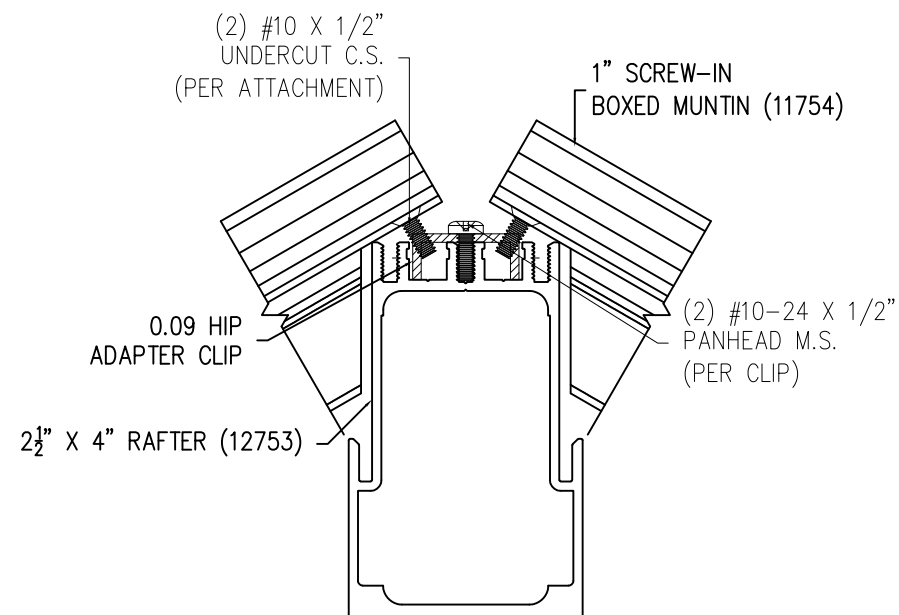
MUNTIN ATTACHMENT DETAILS



GABLE MUNTIN ATTACHMENT DETAIL



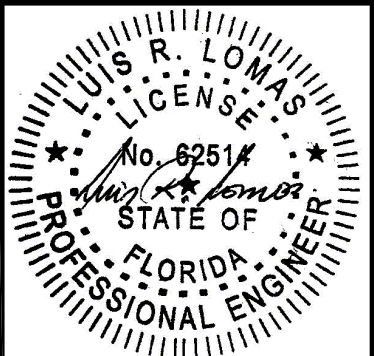
HIP ADAPTER ATTACHMENT DETAIL



HIP ADAPTER MUNTIN DETAIL

SOLAR INNOVATIONS, INC. 31 ROBERTS ROAD PINE GROVE, PA 17963		
SERIES SI5200 PYRAMID THERMALLY – BROKEN ALUMINUM SKYLIGHT NON-IMPACT INSTALLATION DETAILS		
DRAWN: V.L.	DWG NO. 08-02826E	REV D
SCALE NTS	DATE 09/29/15	SHEET 21 OF 21
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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