

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/05/2023	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. 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. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
5. 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.
6. FRAME MATERIAL: ALUMINUM 6063-T5, 6063-T6 AND 6005A-T5 (HINGE EXTENSION)
7. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 16 FOR GLASS DETAILS.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
9. 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".
10. FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
11. FOR ANCHORING INTO MASONRY/CONCRETE USE 1/4" TAPCONS 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.
12. FOR ANCHORING INTO METAL STRUCTURE USE #14 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.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. 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:

14.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42

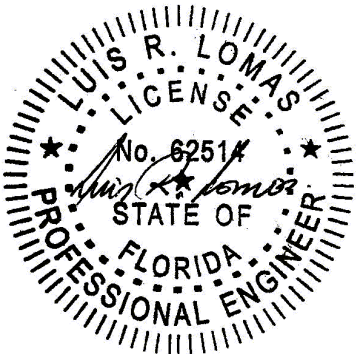
14.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

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

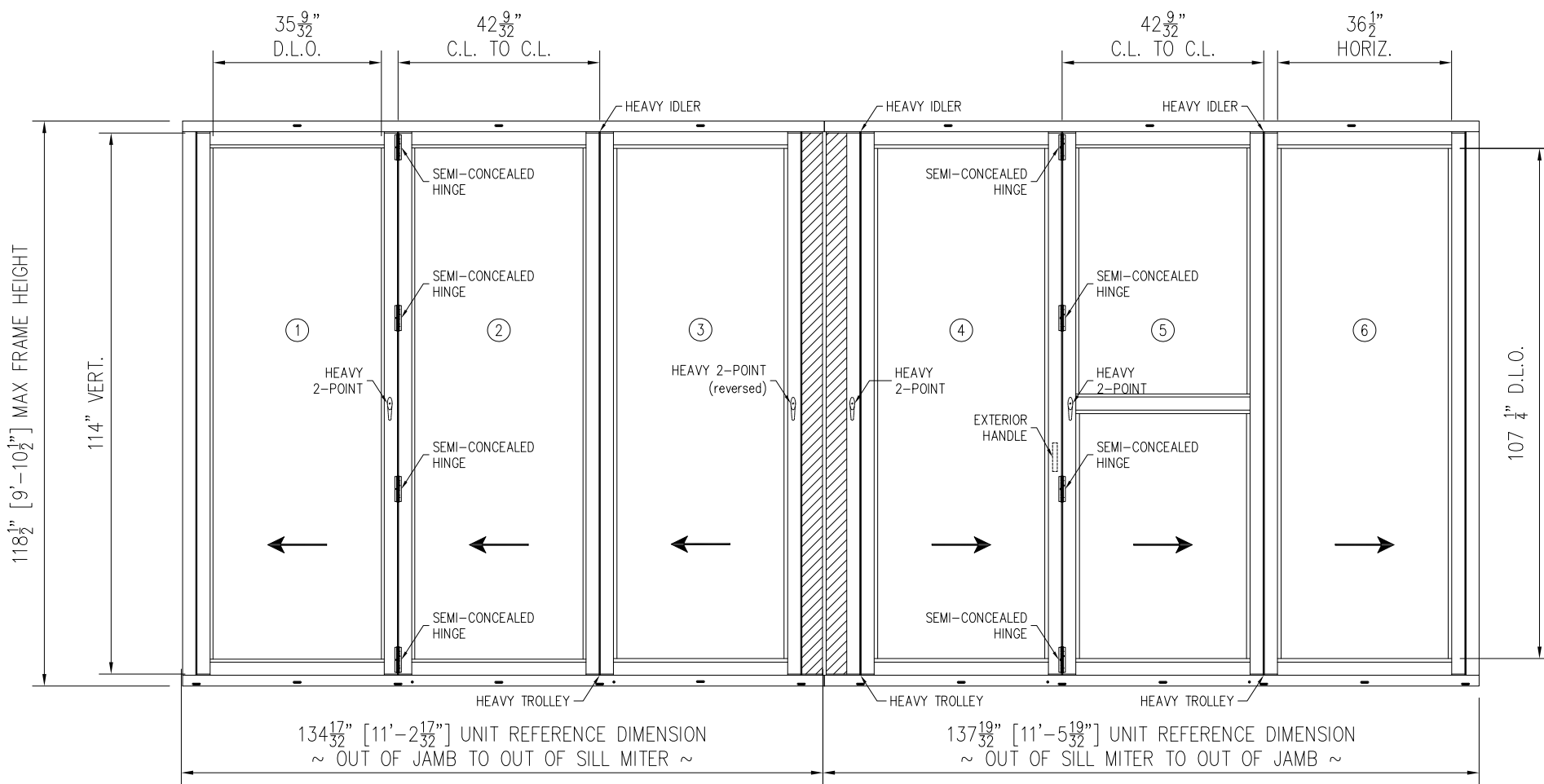
14.4. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

SIGNED: 12/12/2023

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



REVISIONS			
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SERIES SI3000 G3 IMPACT FGW 3.5X9.5 PANEL 90° CORNER NO-POST OUTSWING

EXTERIOR VIEW

UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATION ARE APPROVED
AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 33.3 FT² AND USES VERTICAL CONDITIONS AS SHOWN.

W/STANDARD SILL AND GLASS A OR B
WHERE WATER RESISTANCE IS REQUIRED

DESIGN PRESSURE RATING	IMPACT RATING
+60.0/-80.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 & HVHZ
FOR ADDITIONAL SIZES SEE CHART #1 SHEET 3

W/STANDARD SILL AND GLASS A OR B
WHERE WATER RESISTANCE IS NOT REQUIRED

DESIGN PRESSURE RATING	IMPACT RATING
±80.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 & HVHZ
FOR ADDITIONAL SIZES SEE CHART #2 SHEET 3

W/STANDARD SILL AND GLASS C OR D

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 & HVHZ
FOR ADDITIONAL SIZES SEE CHART #3 SHEET 3

W/NON-THERMAL PANELS,
STANDARD SILL AND GLASS A, B, C OR D

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 & HVHZ
FOR ADDITIONAL SIZES SEE CHART #3 SHEET 3

W/FLUSH SILL AND GLASS A, B, C OR D

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4 & HVHZ
FOR ADDITIONAL SIZES SEE CHART #3 SHEET 3

HARDWARE SCHEDULE

- A. SEMI-CONCEALED HINGE BY SOLAR INNOVATIONS
B. 2 POINT HANDLE & LOCK MS000487-XX BY SOLAR INNOVATIONS

NOTES:

1. PANEL SIZE: 42 9/32" x 114"
2. MAXIMUM D.L.O.: 35 9/32" x 107 1/4"

SOLAR INNOVATIONS, INC.

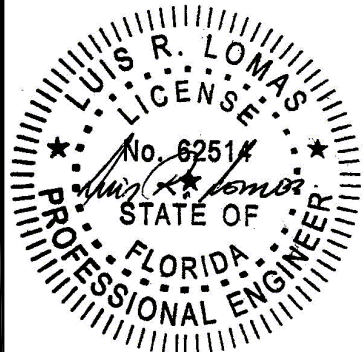
31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
ELEVATIONS

DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 2 OF 17

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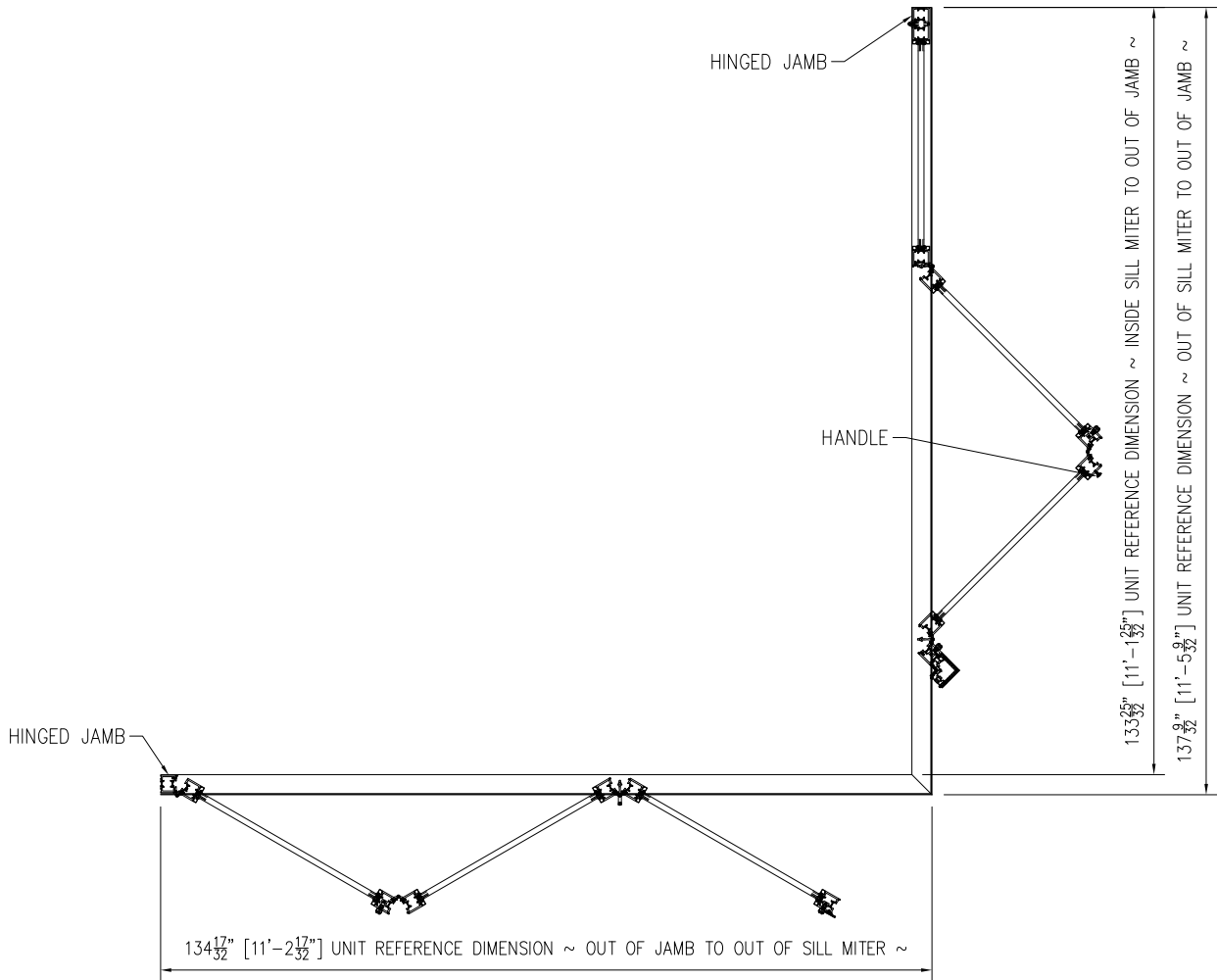
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FL No.: 62514

Chart #1											
Maximum Design pressure (psf)											
Panel Height (in)	Single Panel Width (in)										
	24.0		30.0		36.0		42.28		48.0		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
78.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	
84.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	
90.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	
96.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	
102.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	-	-	
108.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	-	-	
114.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	-	-	
120.0	60.0	80.0	60.0	80.0	60.0	79.0	-	-	-	-	
126.0	60.0	80.0	60.0	80.0	60.0	68.0	-	-	-	-	
132.0	60.0	80.0	60.0	70.1	59.0	59.0	-	-	-	-	
138.0	60.0	76.1	60.0	61.3	-	-	-	-	-	-	
144.0	60.0	66.9	53.8	53.8	-	-	-	-	-	-	
150.0	59.1	59.1	47.6	47.6	-	-	-	-	-	-	
156.0	52.5	52.5	42.2	42.2	-	-	-	-	-	-	

Chart #2											
Maximum Design pressure (psf)											
Panel Height (in)	Single Panel Width (in)										
	24.0		30.0		36.0		42.28		48.0		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
78.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
84.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
90.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
96.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	
102.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	
108.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	
114.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	-	-	
120.0	80.0	80.0	80.0	80.0	79.0	79.0	-	-	-	-	
126.0	80.0	80.0	80.0	80.0	68.0	68.0	-	-	-	-	
132.0	80.0	80.0	70.1	70.1	59.0	59.0	-	-	-	-	
138.0	76.1	76.1	61.3	61.3	-	-	-	-	-	-	
144.0	66.9	66.9	53.8	53.8	-	-	-	-	-	-	
150.0	59.1	59.1	47.6	47.6	-	-	-	-	-	-	
156.0	52.5	52.5	42.2	42.2	-	-	-	-	-	-	

Chart #3											
Maximum Design pressure (psf)											
Panel Height (in)	Single Panel Width (in)										
	24.0		30.0		36.0		42.28		48.0		
	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	
78.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	70.8	
84.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	74.6	60.0	65.7	
90.0	60.0	80.0	60.0	80.0	60.0	80.0	60.0	69.7	60.0	61.4	
96.0	60.0	80.0	60.0	80.0	60.0	76.7	60.0	65.3	57.5	57.5	
102.0	60.0	80.0	60.0	80.0	60.0	71.4	60.0	61.5	-	-	
108.0	60.0	80.0	60.0	77.4	60.0	66.6	58.1	58.1	-	-	
114.0	60.0	80.0	60.0	72.7	60.0	62.5	55.0	55.0	-	-	
120.0	60.0	79.8	60.0	64.5	54.3	54.3	-	-	-	-	
126.0	60.0	68.9	55.5	55.5	46.8	46.8	-	-	-	-	
132.0	59.8	59.8	48.2	48.2	40.5	40.5	-	-	-	-	
138.0	52.3	52.3	42.1	42.1	-	-	-	-	-	-	
144.0	46.0	46.0	37.0	37.0	-	-	-	-	-	-	
150.0	40.6	40.6	32.7	32.7	-	-	-	-	-	-	
156.0	36.1	36.1	29.0	29.0	-	-	-	-	-	-	

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SI 33350 G3 IMPACT FGW 3.5X9.5 PANEL 90° CORNER NO-POST OUTSWING
PLAN VIEW

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

SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
DESIGN PRESSURE CHARTS

DRAWN: A.R. DWG NO. 08-03586 REV A

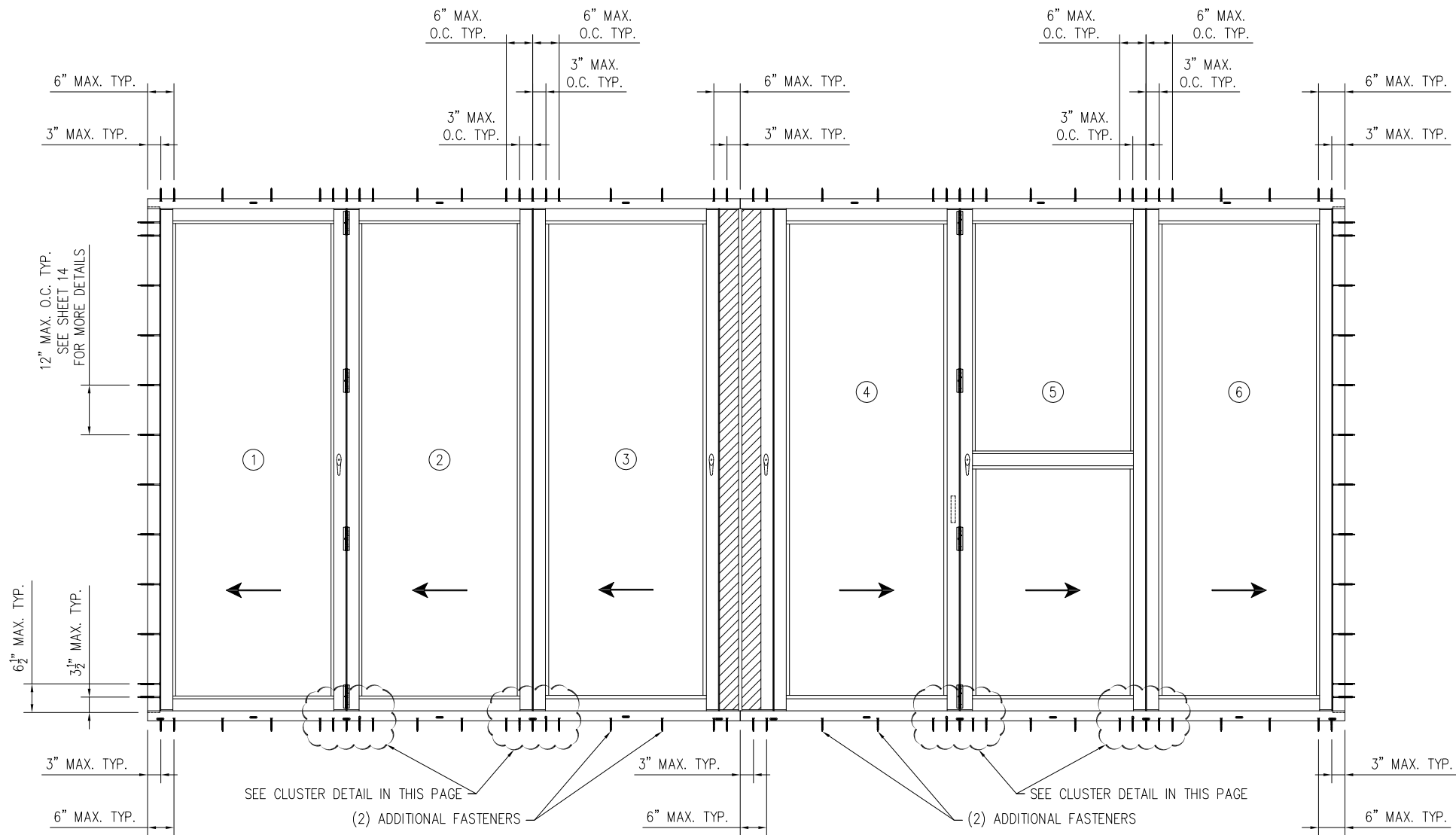
SCALE NTS DATE 07/15/2020 SHEET 3 OF 17

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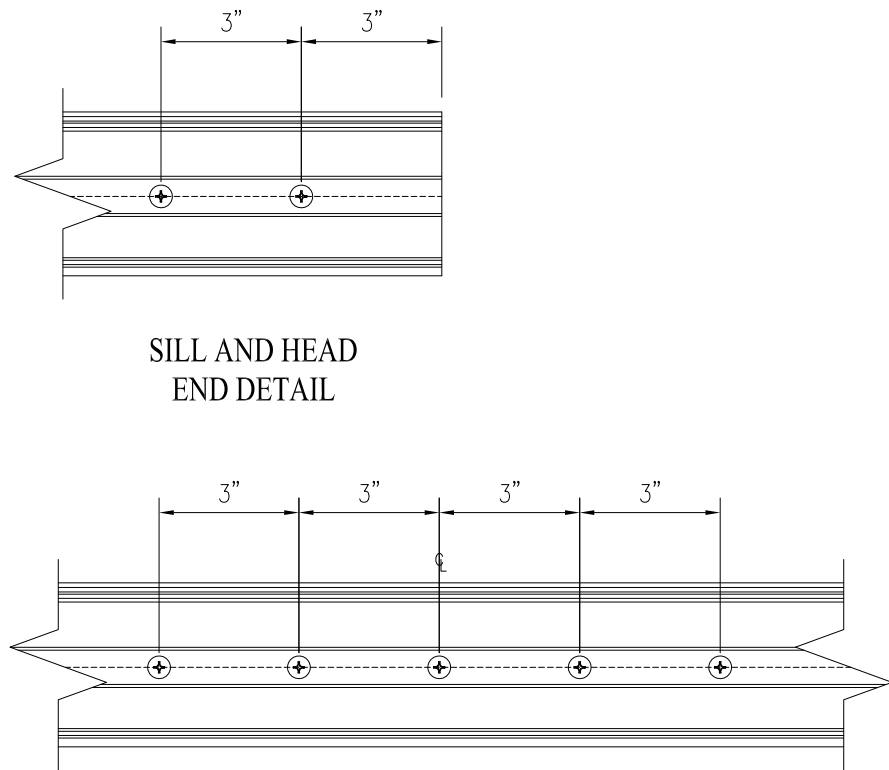
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ANCHOR LAYOUT
APPLICABLE TO ALL CONFIGURATIONS.



**SILL AND HEAD
CLUSTER DETAIL**

SIGNED: 12/12/2023

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

SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
ANCHOR LAYOUT

DRAWN:
A.R.

DWG NO.
08-03586

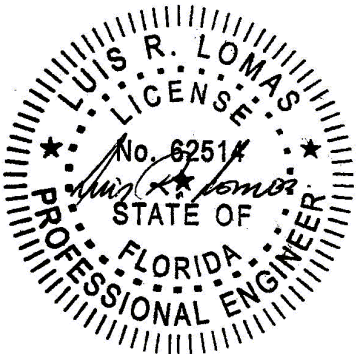
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A

SCALE NTS

DATE 07/15/2020

SHEET 4 OF 17

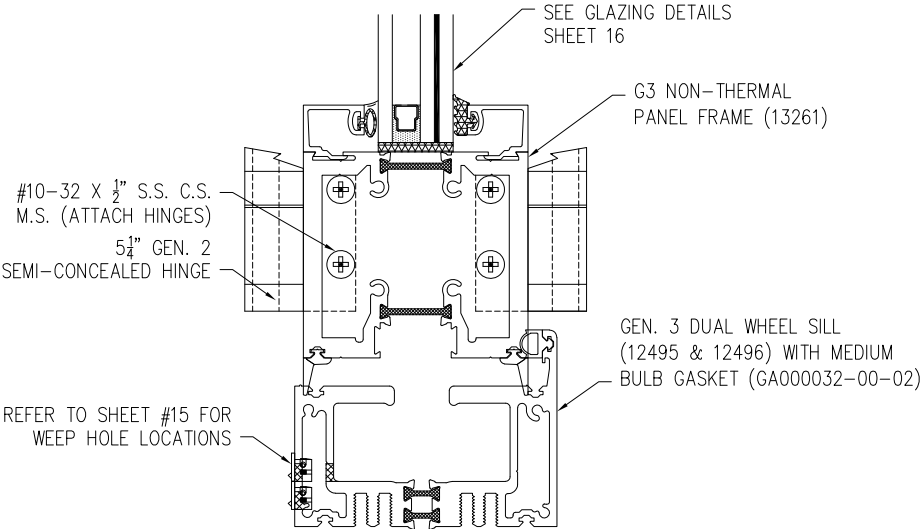
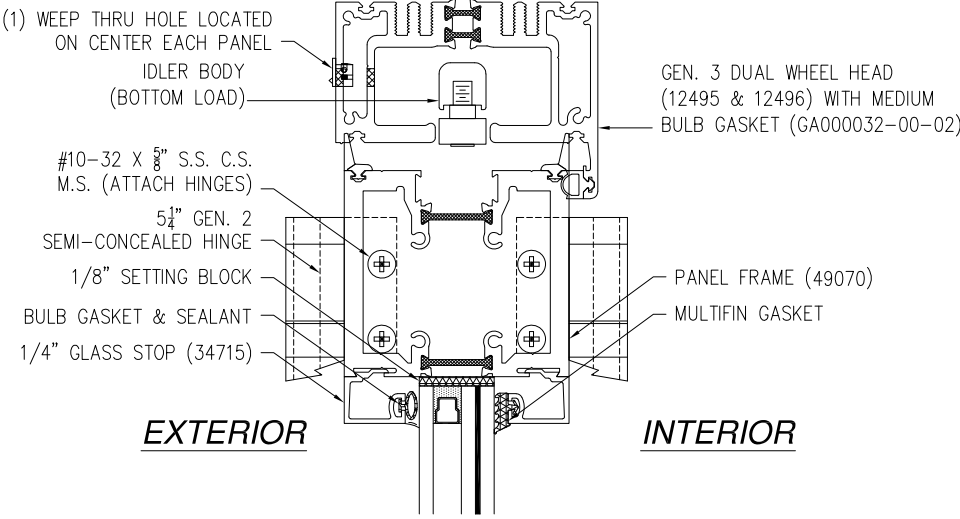
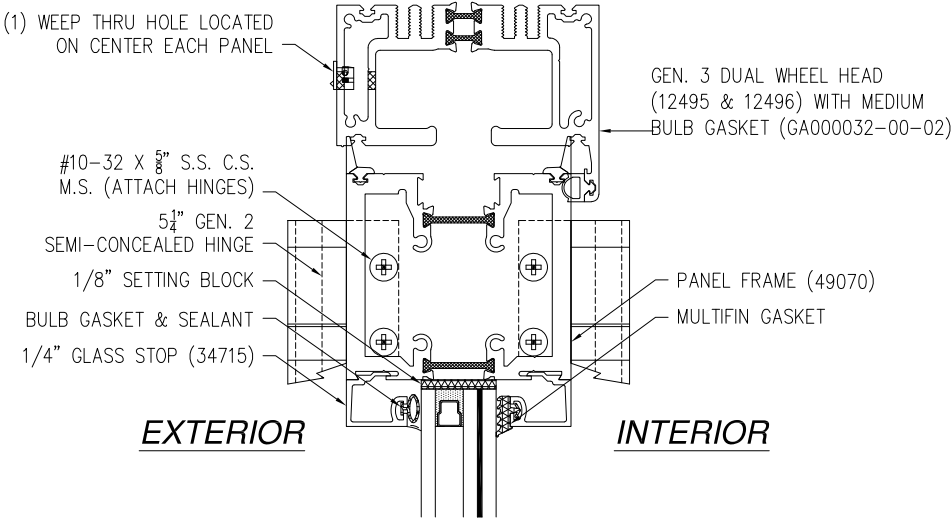
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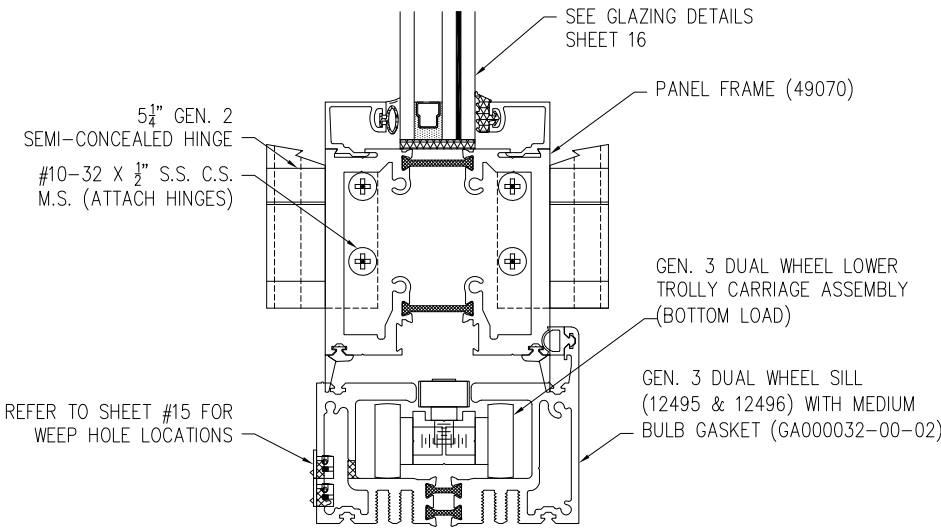
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FOR INSTALLATION DETAILS REFER TO SHEETS 13 - 14

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VERTICAL CROSS SECTION
STANDARD WITH STANDARD SILL



VERTICAL CROSS SECTION
STANDARD WITH STANDARD SILL

SOLAR INNOVATIONS, INC.

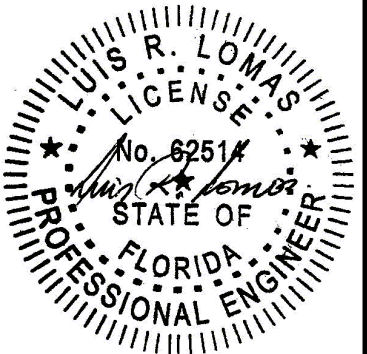
31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
CROSS SECTIONS

DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 5 OF 17

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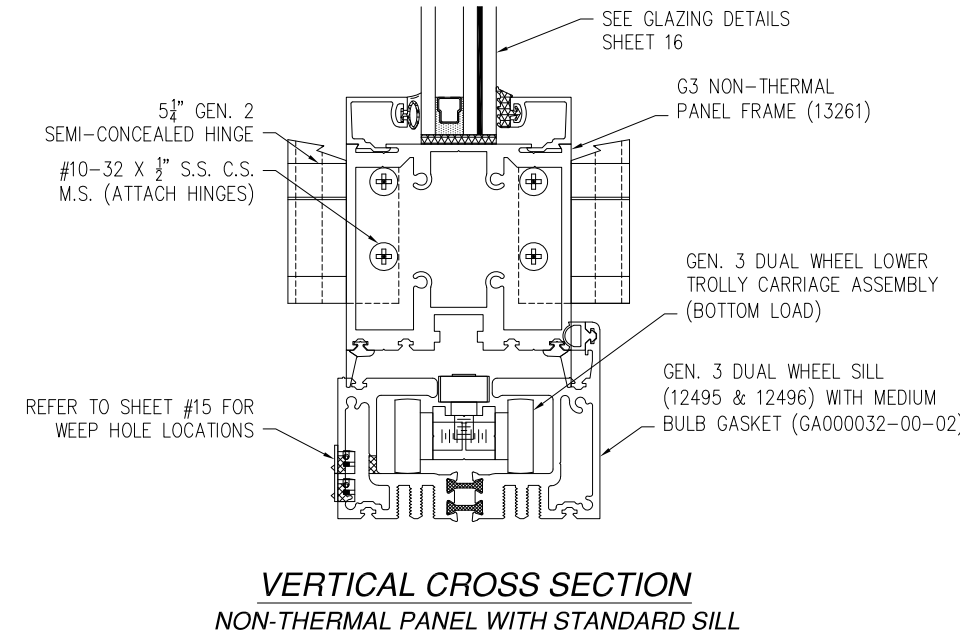
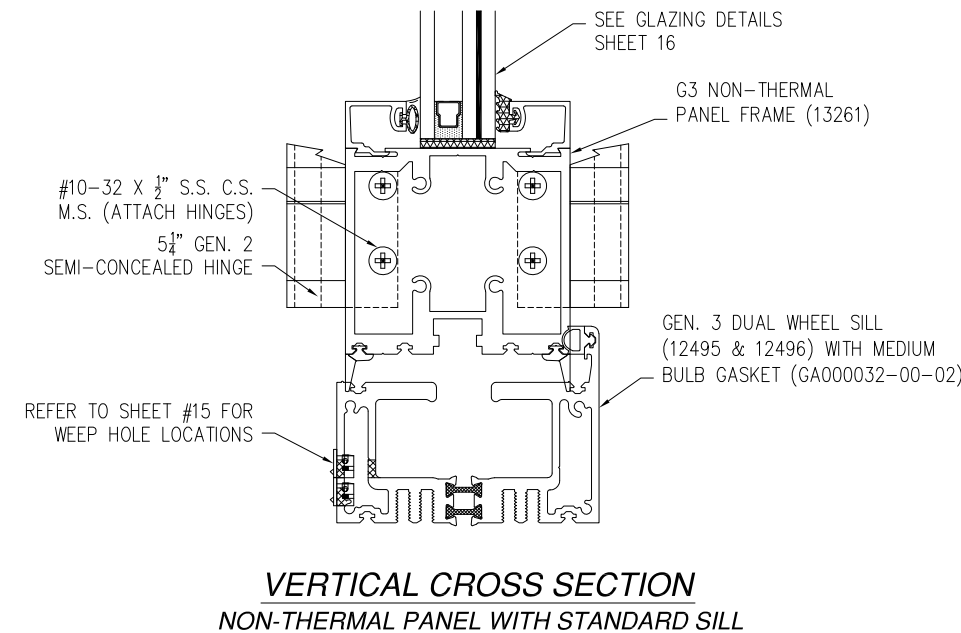
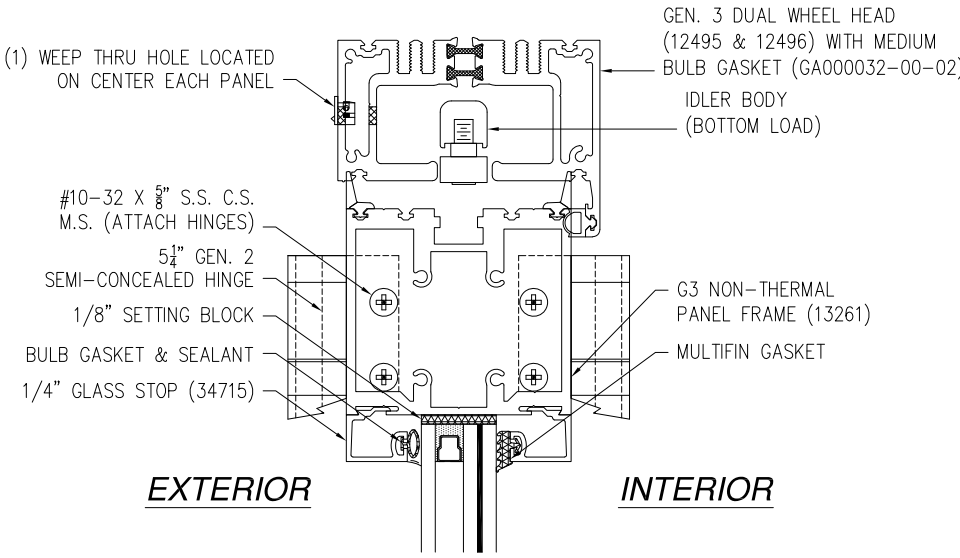
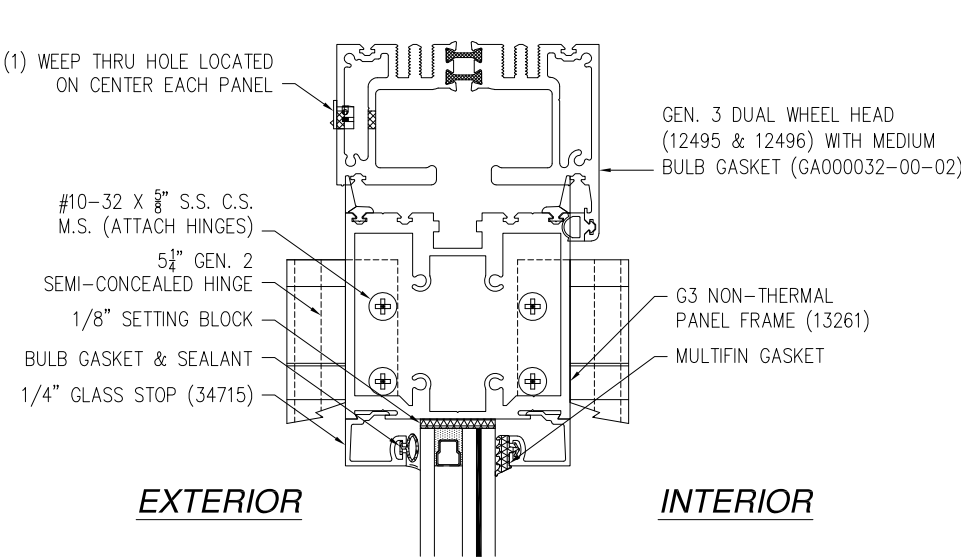
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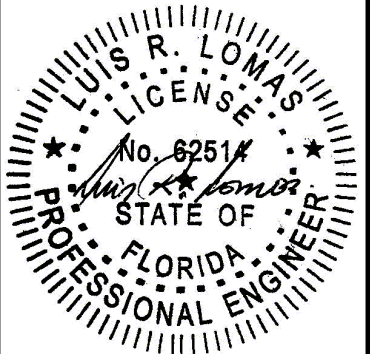
SOLAR INNOVATIONS, INC.
31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
CROSS SECTIONS

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SCALE NTS	DATE 07/15/2020	SHEET 6 OF 17

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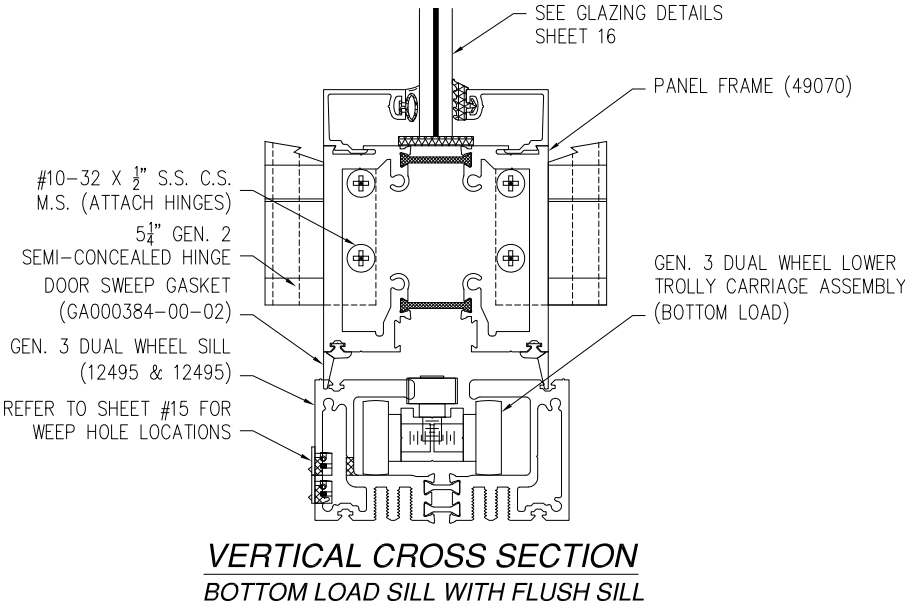
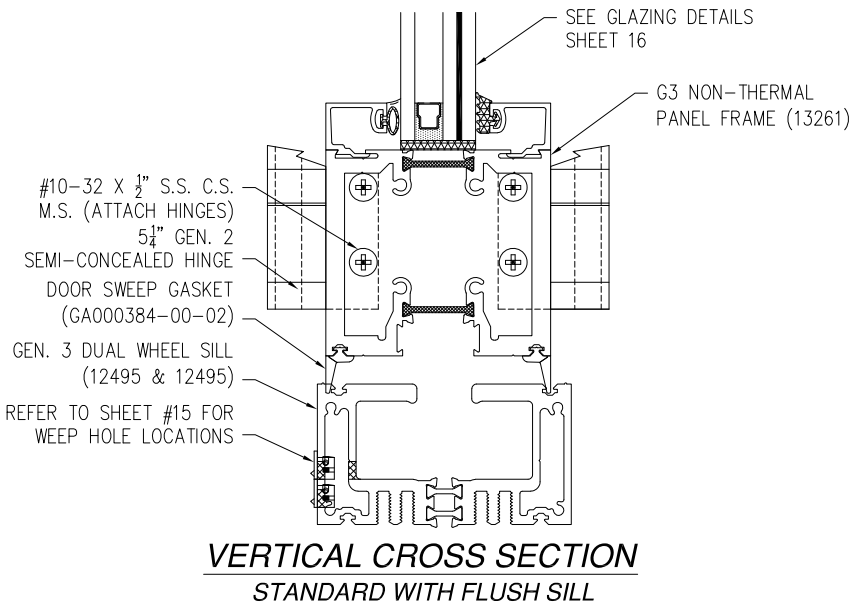
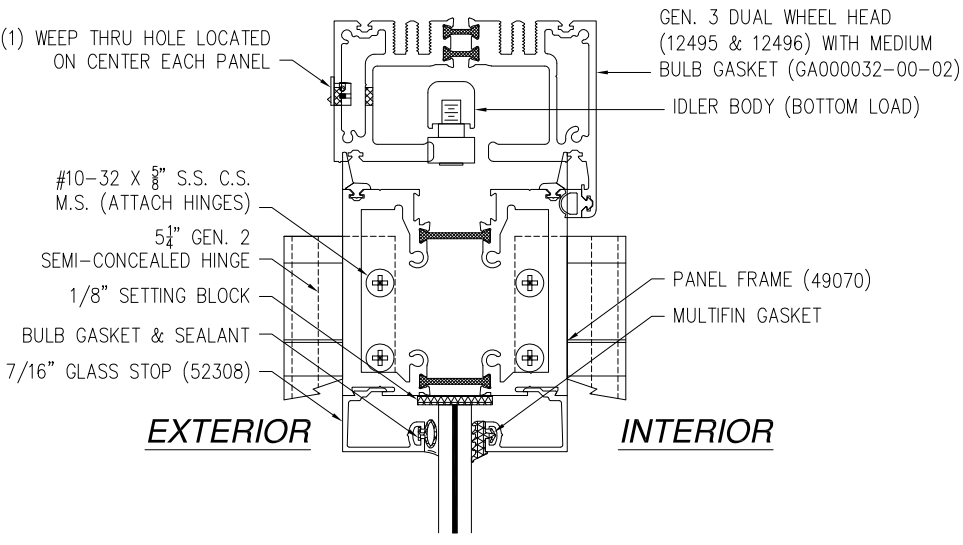
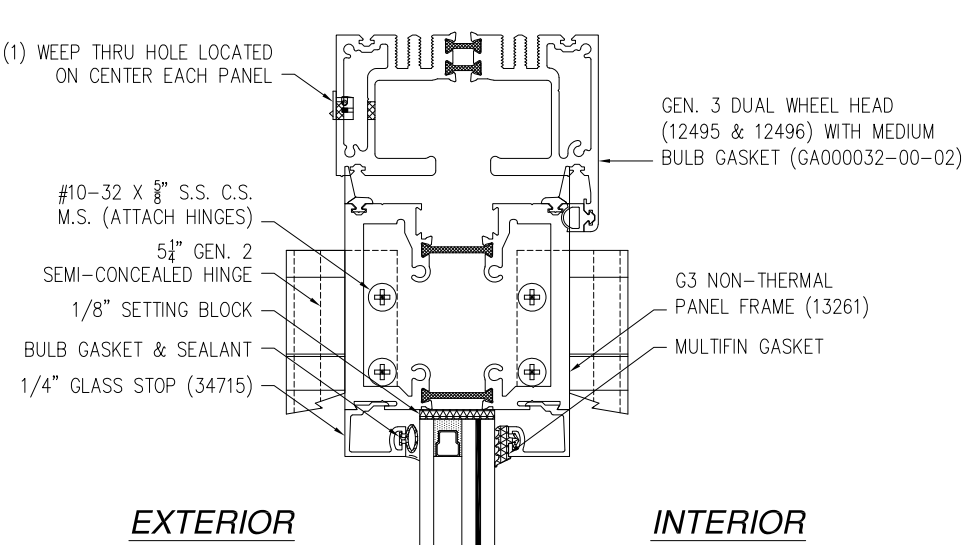
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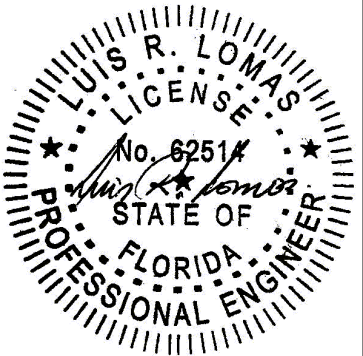
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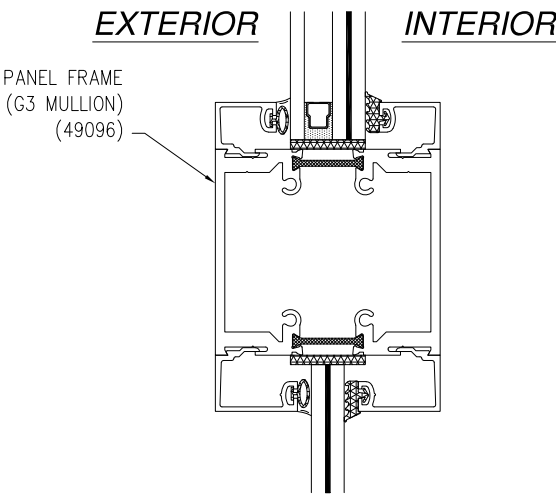
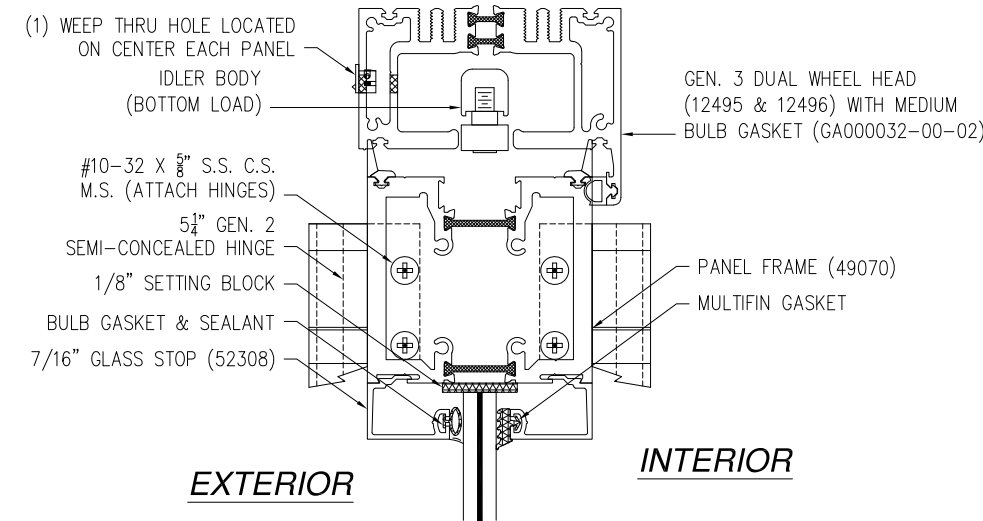
SOLAR INNOVATIONS, INC.		
31 ROBERTS RD PINE GROVE, PA 17963		
SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL 90° CORNER NO-POST OUTSWING CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 7 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



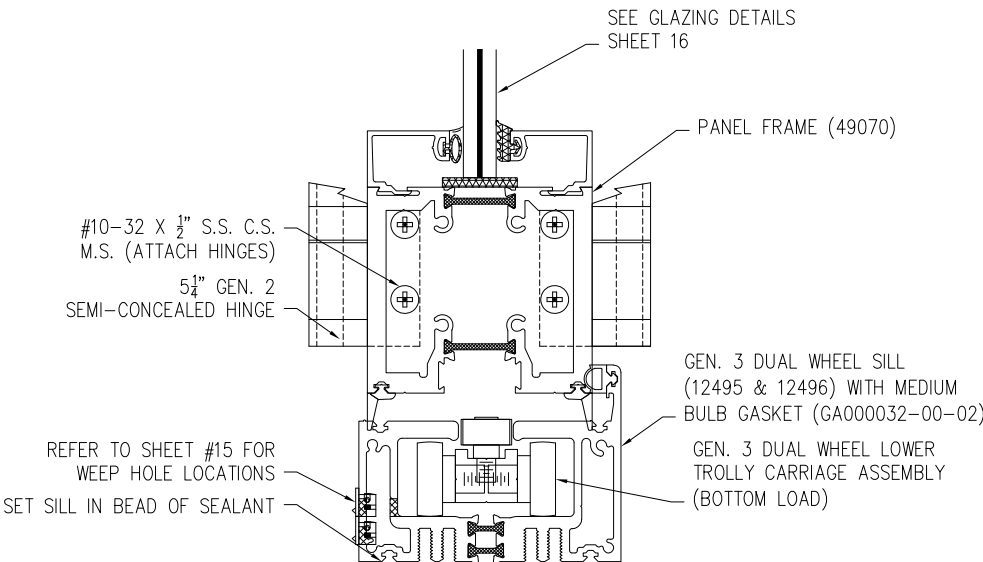
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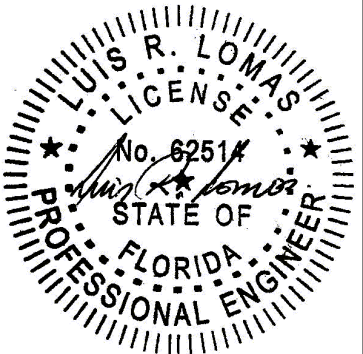
VERTICAL CROSS SECTION
HORIZONTAL RAIL OPTIONAL



VERTICAL CROSS SECTION
BOTTOM LOAD SILL WITH STANDARD SILL

SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963		
SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL 90° CORNER NO-POST OUTSWING CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 8 OF 17
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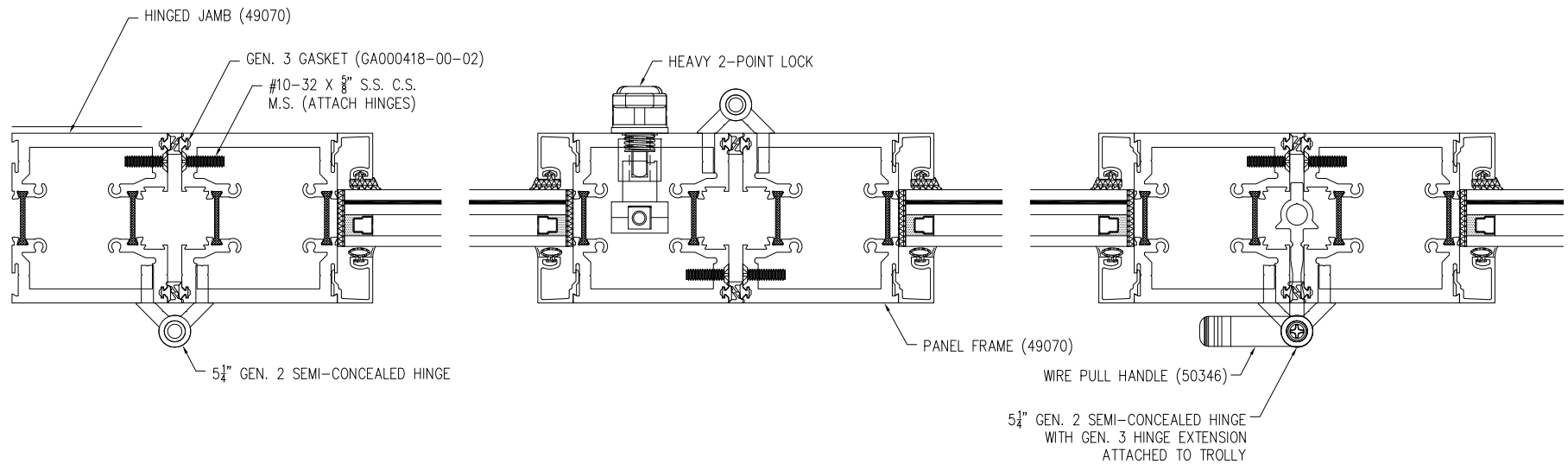


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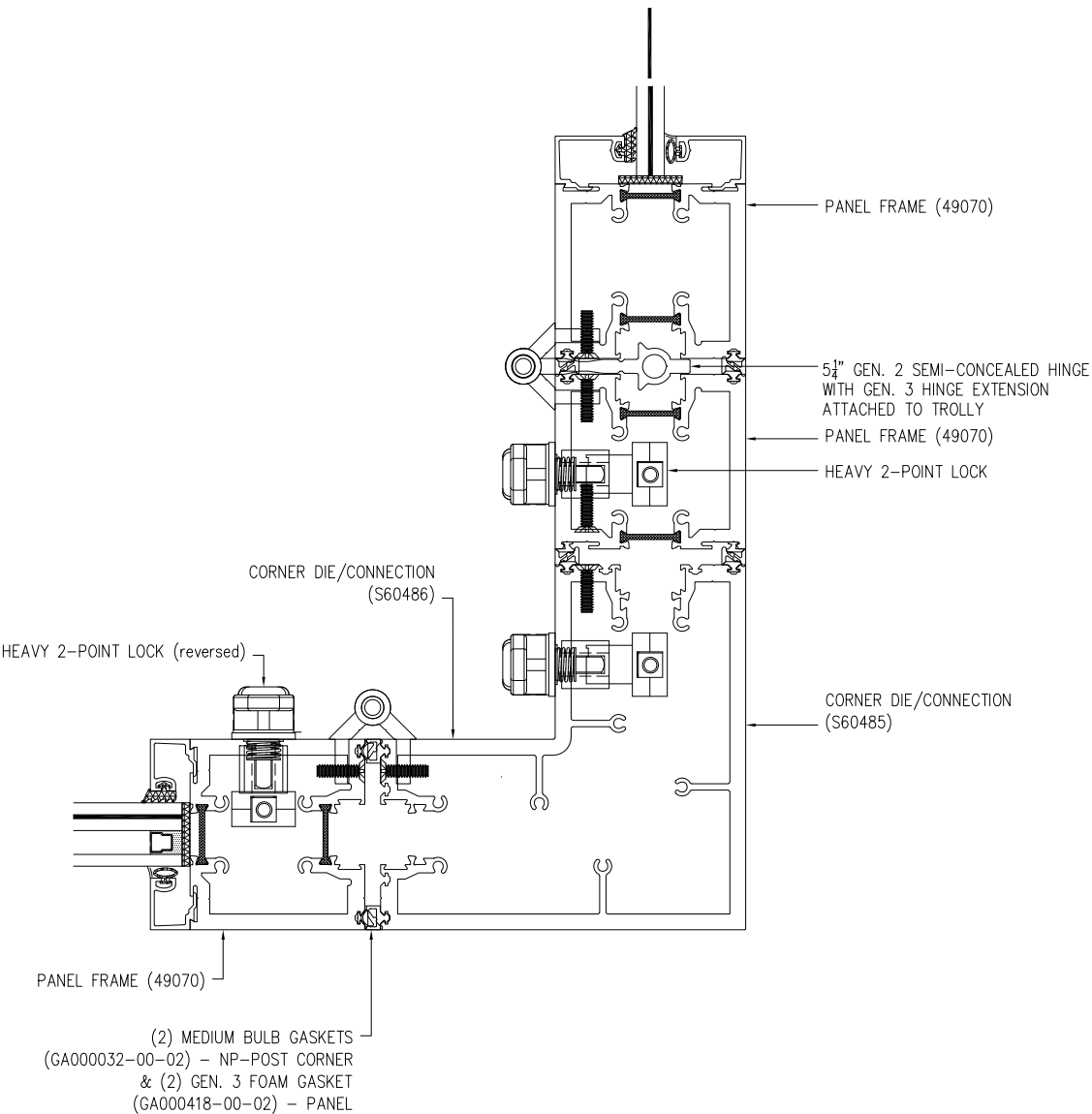
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CONTINUED
IN SHEET 10



HORIZONTAL CROSS SECTION
WITH STANDARD FRAME



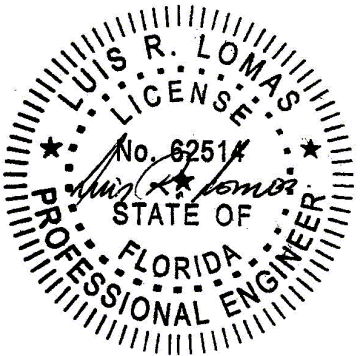
SIGNED: 12/12/2023

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

SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
CROSS SECTIONS

DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 9 OF 17

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

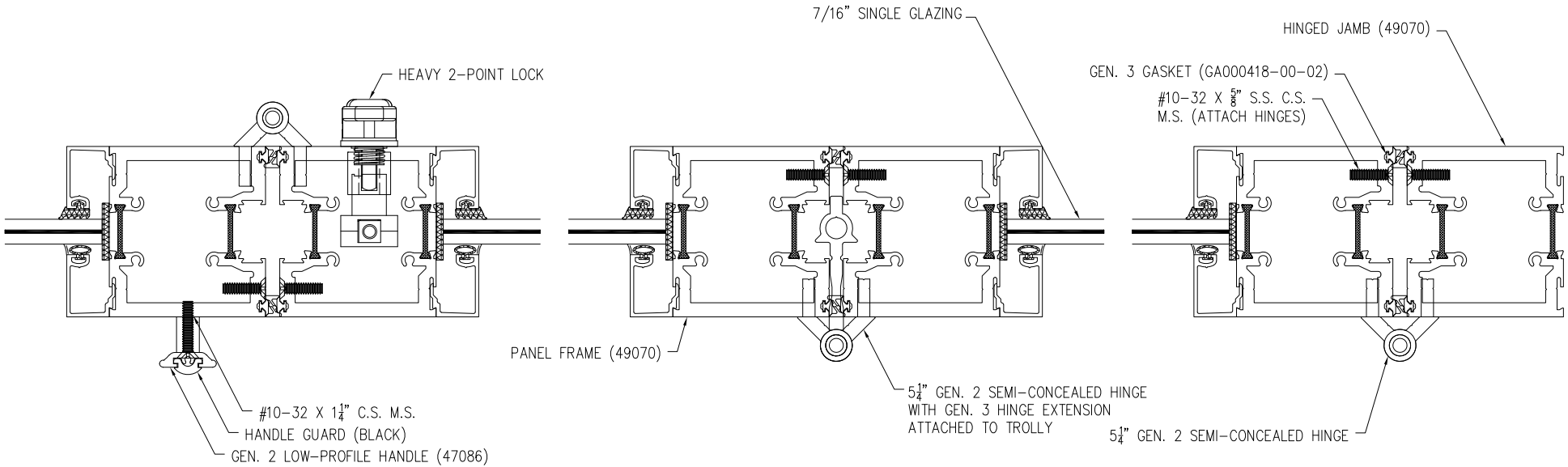


Luis R. Lomas P.E.
FL No.: 62514

FOR ILLUSTRATION PURPOSES ONLY
FOR INSTALLATION DETAILS REFER TO SHEETS 13 - 14

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/05/2023	R.L.

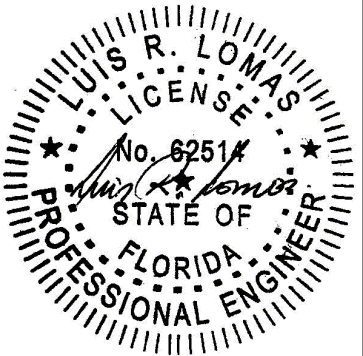
CONTINUED
FROM SHEET 9



HORIZONTAL CROSS SECTION
WITH STANDARD FRAME

SIGNED: 12/12/2023

SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963		
SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL 90° CORNER NO-POST OUTSWING CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 10 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

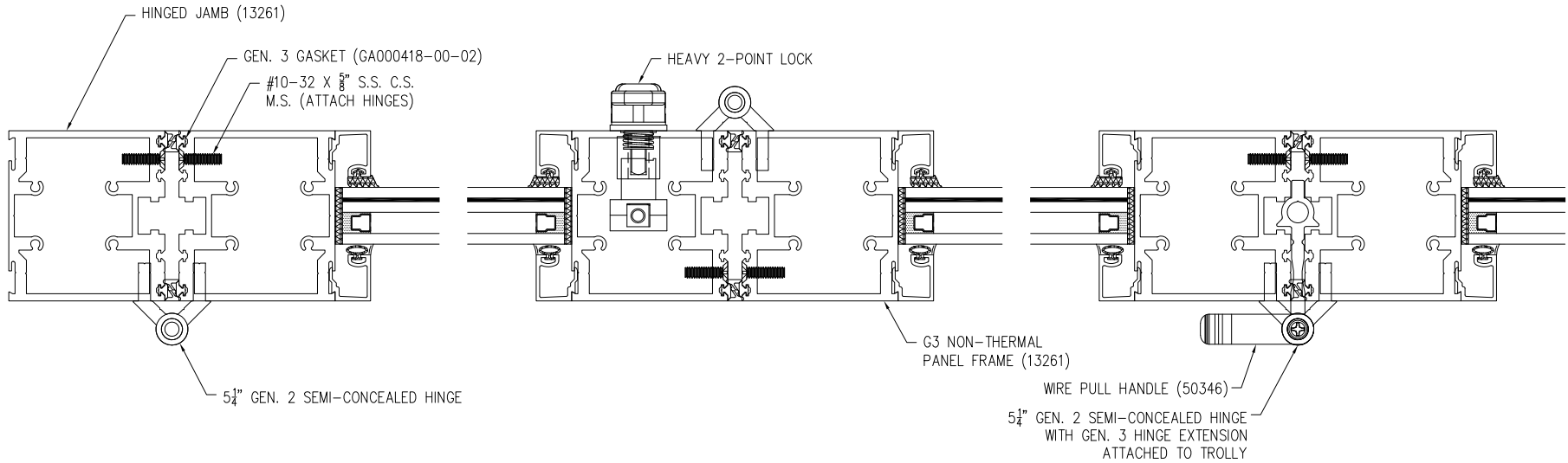


Luis R. Lomas P.E.
FL No.: 62514

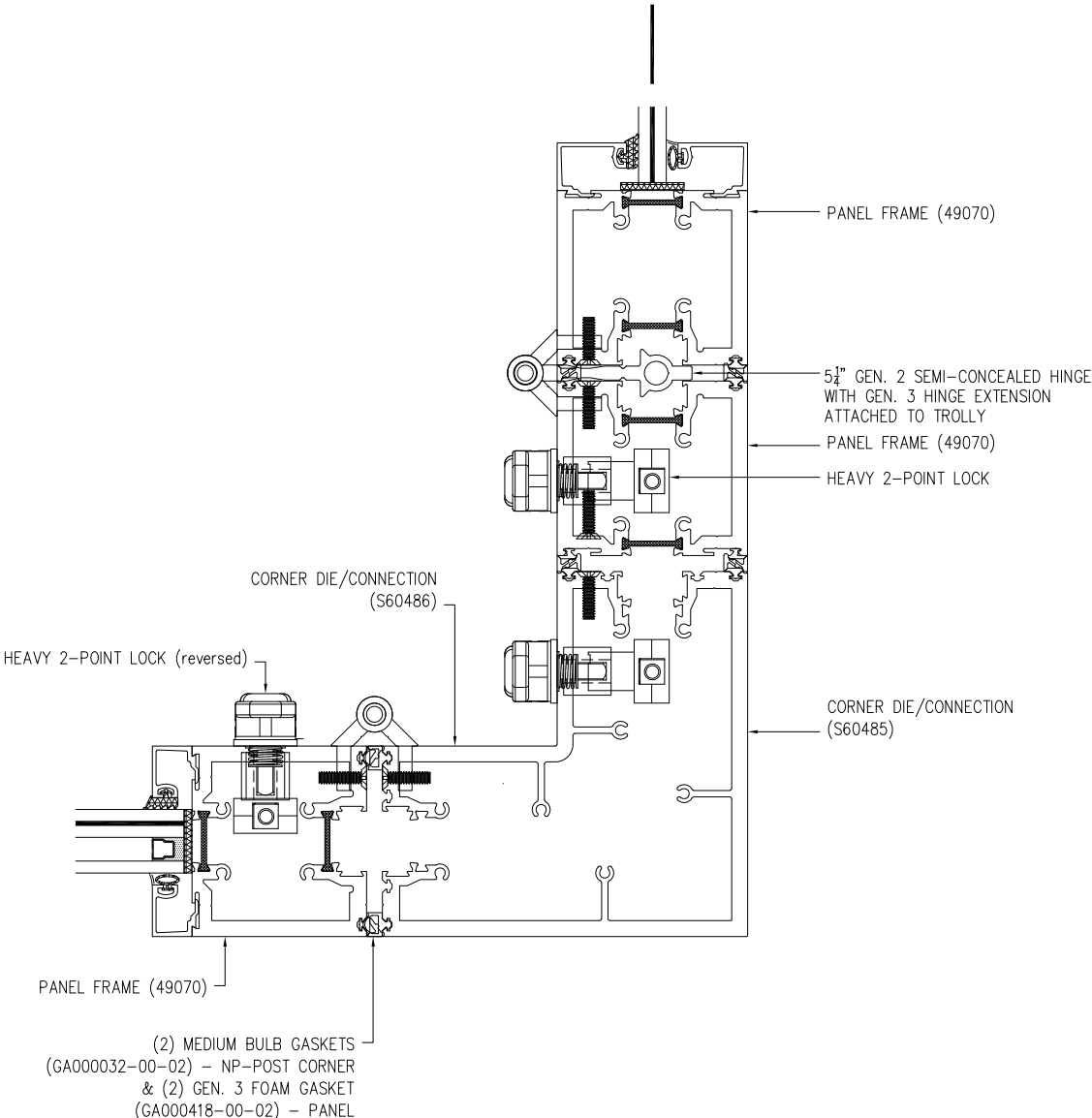
FOR ILLUSTRATION PURPOSES ONLY
FOR INSTALLATION DETAILS REFER TO SHEETS 13 - 14

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/05/2023	R.L.

CONTINUED
IN SHEET 12



HORIZONTAL CROSS SECTION
WITH NON-THERMAL FRAME



SIGNED: 12/12/2023

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

SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
CROSS SECTIONS

DRAWN:
A.R.

DWG NO.
08-03586

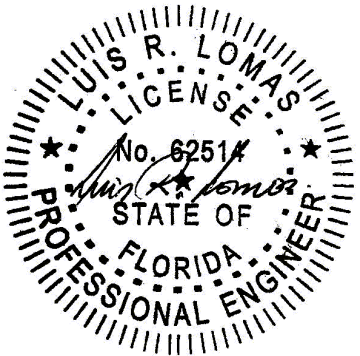
REV
A

SCALE
NTS

DATE
07/15/2020

SHEET
11 OF 17

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

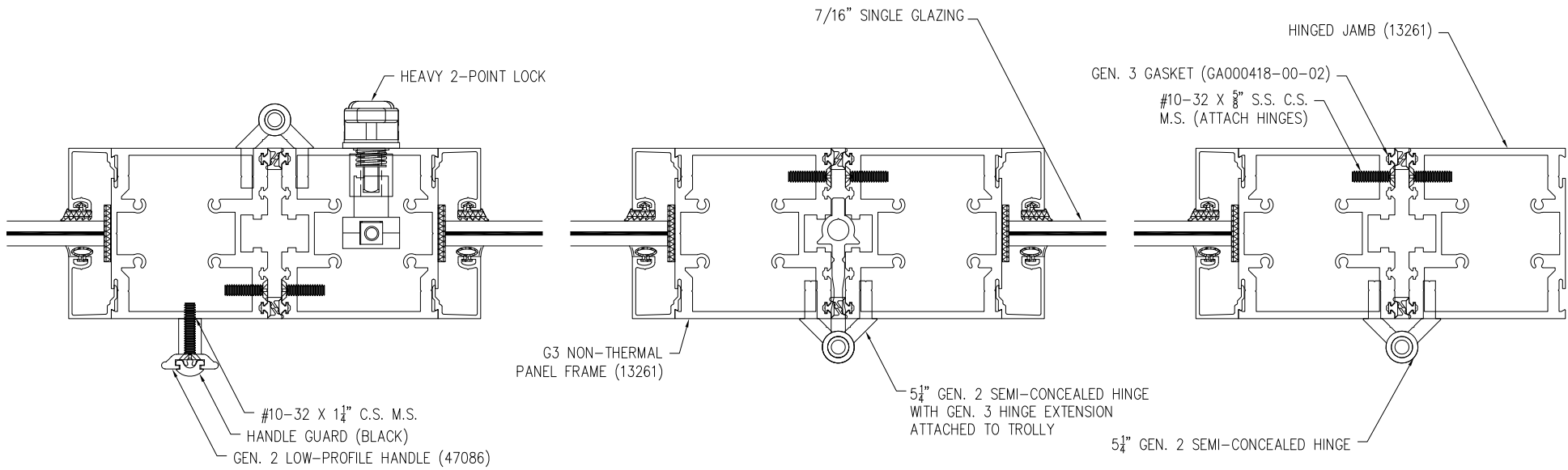


Luis R. Lomas P.E.
FL No.: 62514

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FOR INSTALLATION DETAILS REFER TO SHEETS 13 - 14

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/05/2023	R.L.

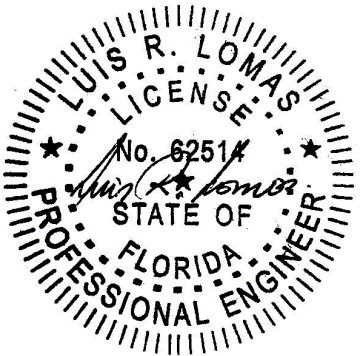
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FROM SHEET 11



HORIZONTAL CROSS SECTION
WITH NON-THERMAL FRAME

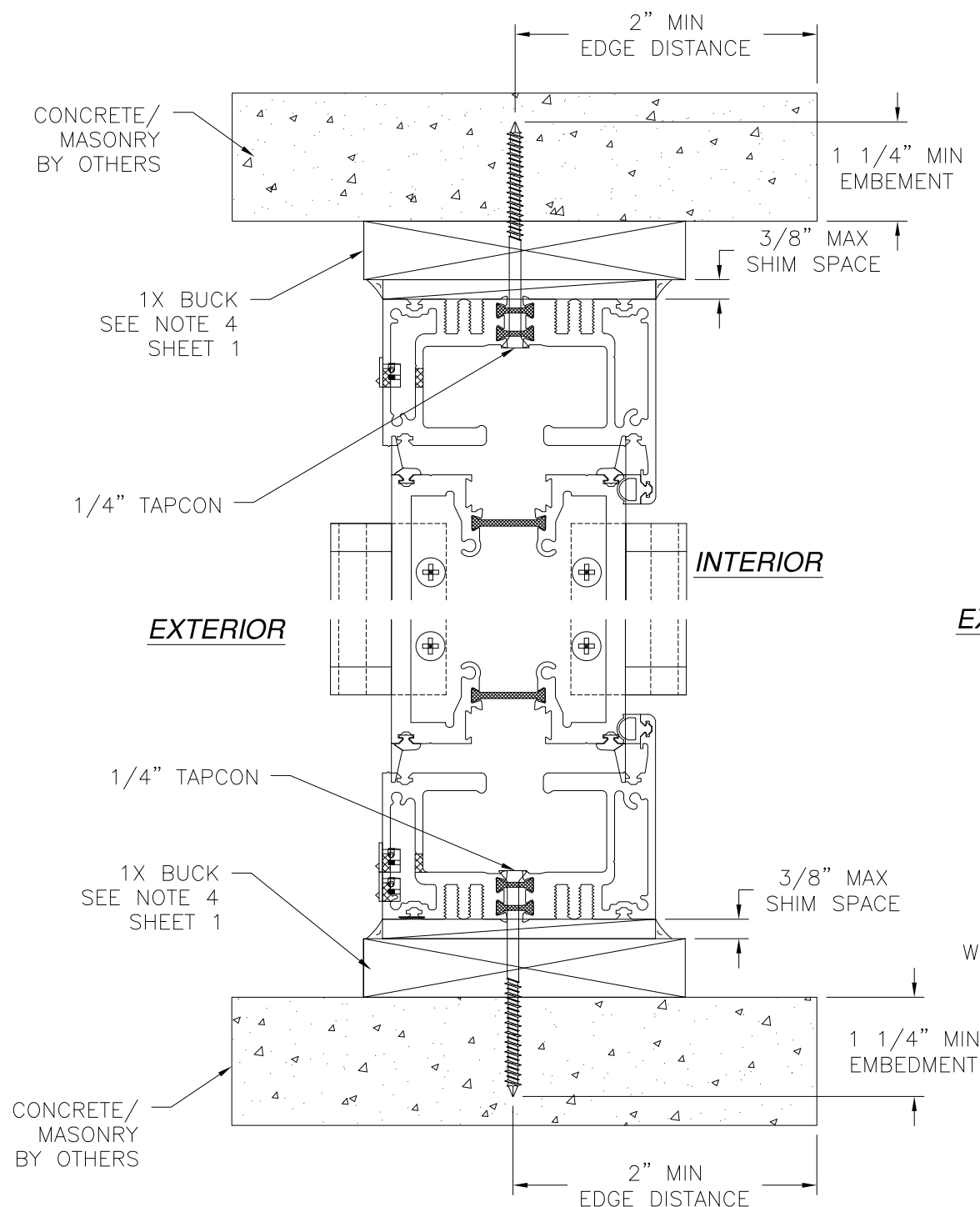
SIGNED: 12/12/2023

SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963		
SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL 90° CORNER NO-POST OUTSWING CROSS SECTIONS		
DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 12 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

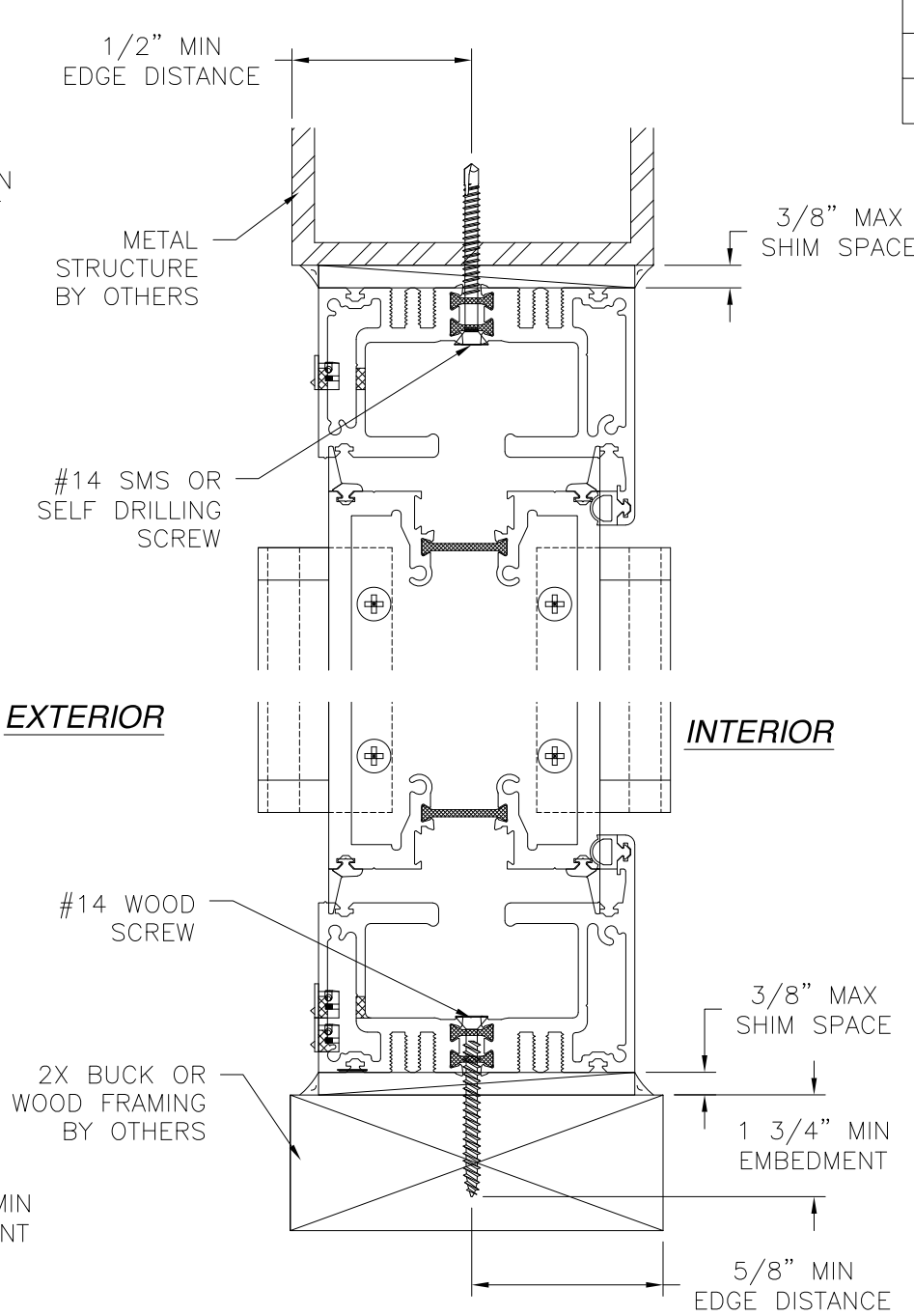


Luis R. Lomas P.E.
FL No.: 62514

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/05/2023	R.L.



VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION



VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK
OR 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

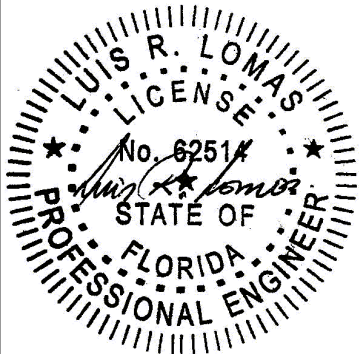
SIGNED: 12/12/2023

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

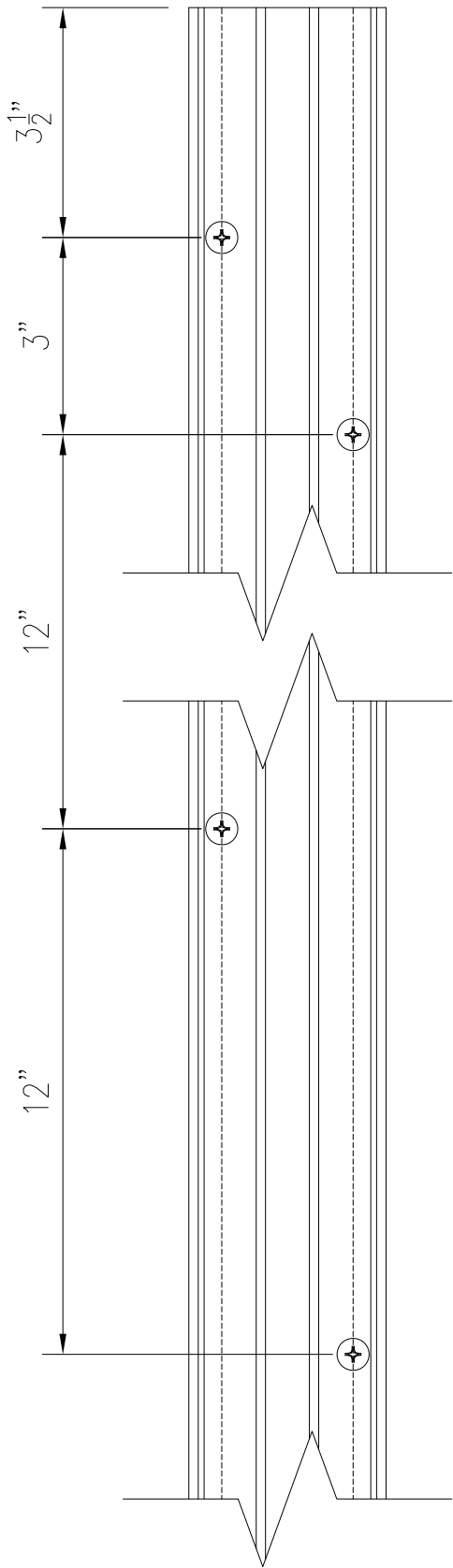
SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
INSTALLATION DETAIL

DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 13 OF 17

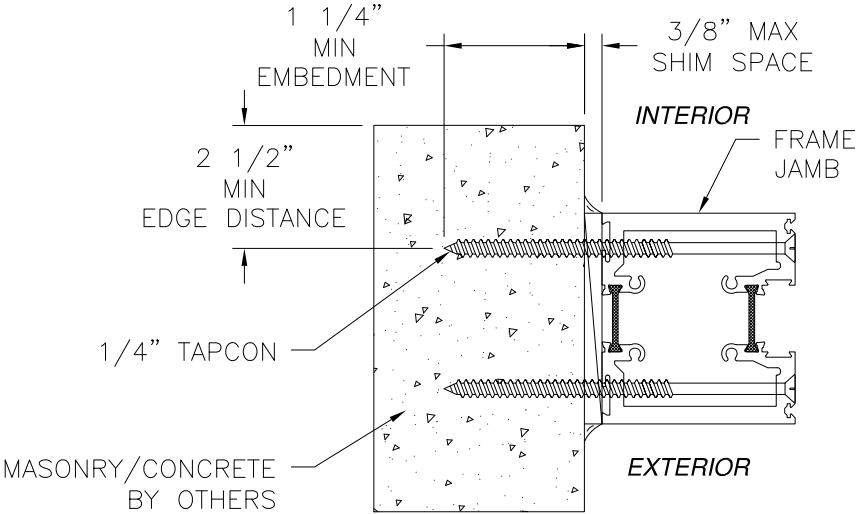
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com



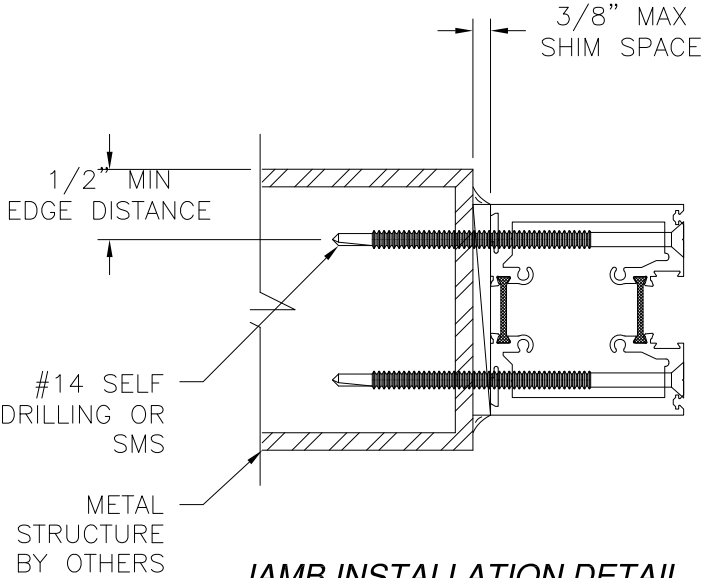
Luis R. Lomas P.E.
FL No.: 62514



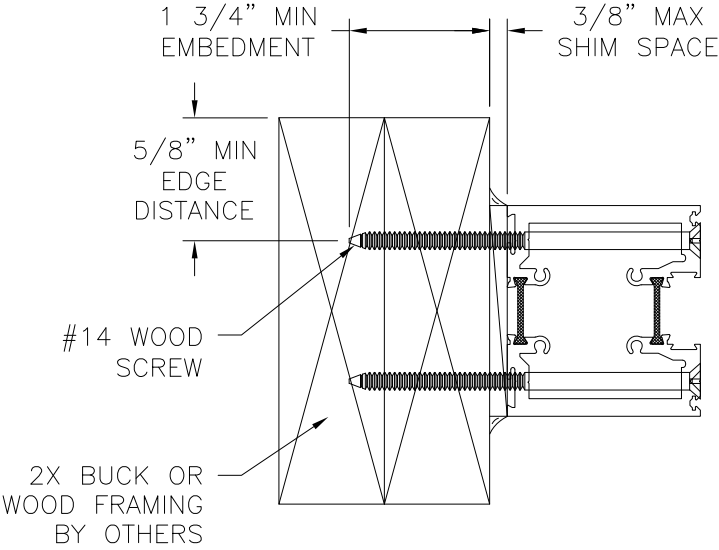
JAMB ANCHOR LOCATIONS
DETAIL



JAMB INSTALLATION DETAIL
MASONRY/CONCRETE



JAMB INSTALLATION DETAIL
METAL STRUCTURE

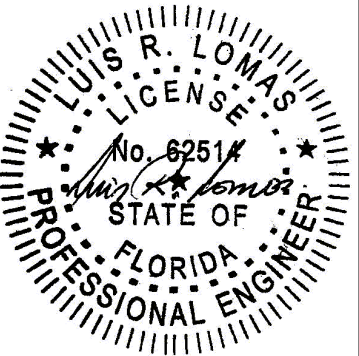


JAMB INSTALLATION DETAIL
2X BUCK OR WOOD FRAMING

- 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

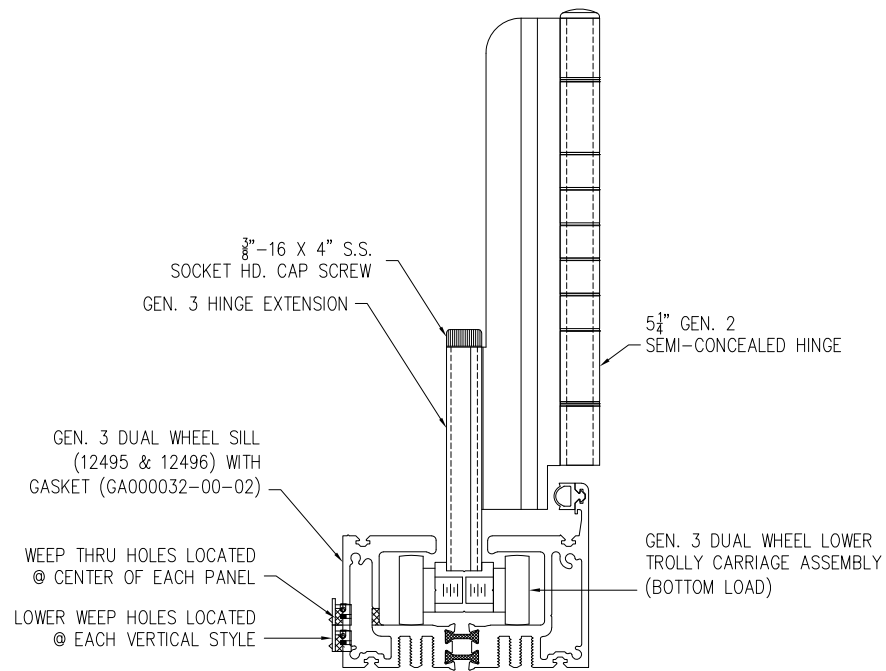
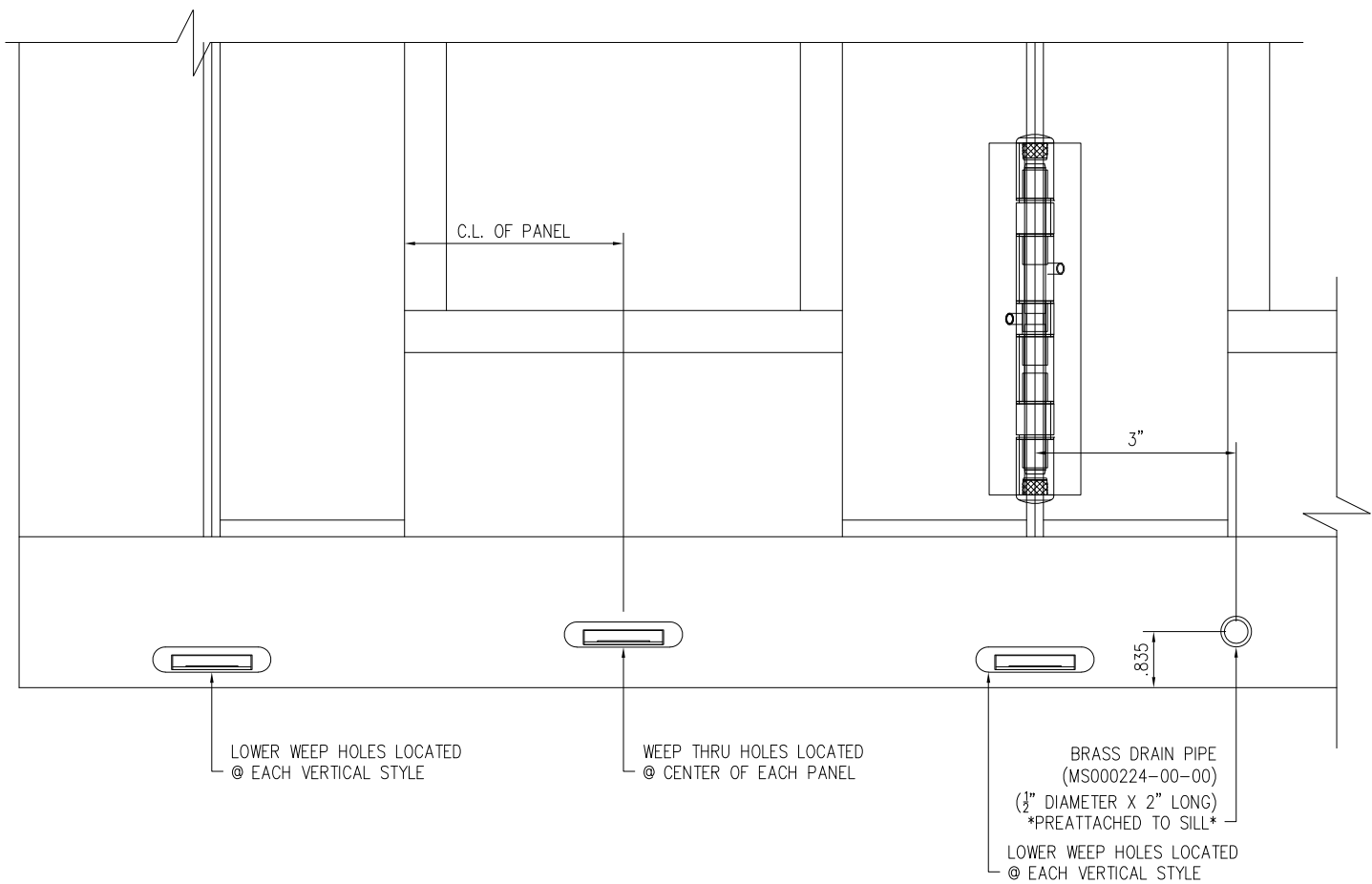
SIGNED: 12/12/2023

SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963		
SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL 90° CORNER NO-POST OUTSWING INSTALLATION DETAIL		
DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 14 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

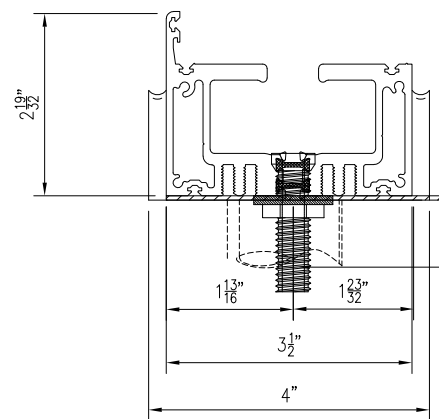


Luis R. Lomas P.E.
FL No.: 62514

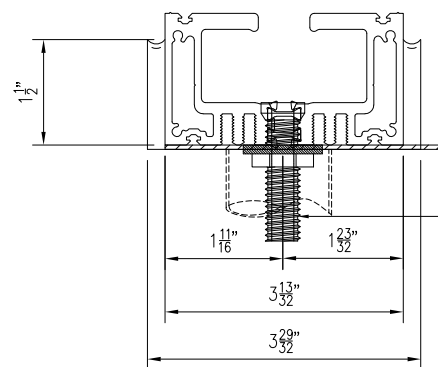
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/05/2023	R.L.



WEEP HOLES LOCATION DETAILS
STANDARD SILL SHOWN, FLUSH SILL SIMILAR



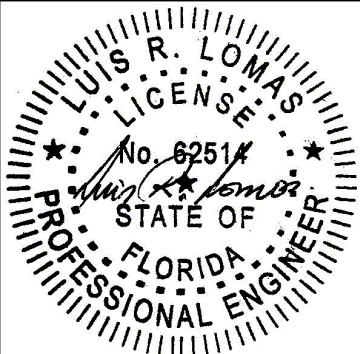
DRAIN PIPE DETAIL
WITH STANDARD SILL



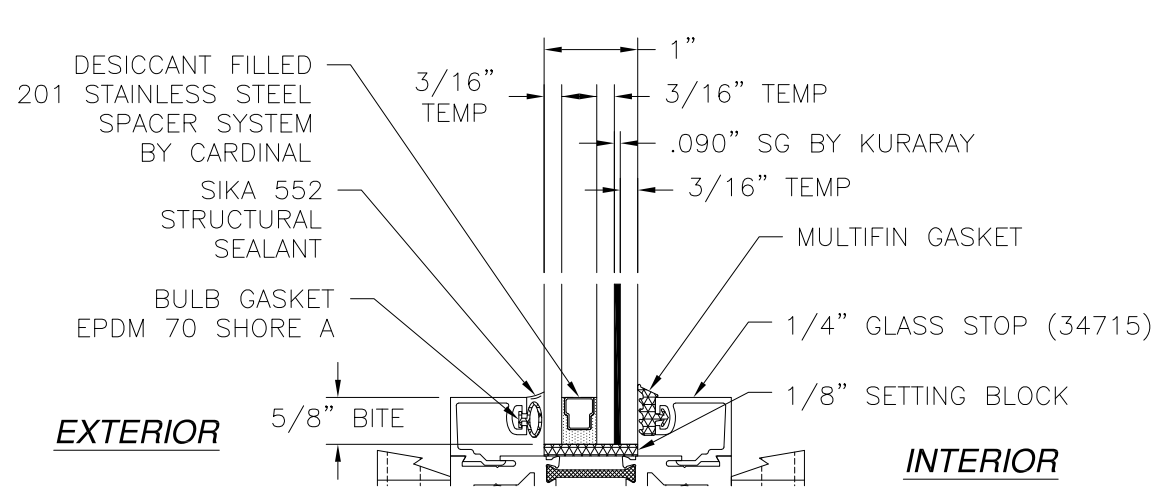
DRAIN PIPE DETAIL
WITH FLUSH SILL

SOLAR INNOVATIONS, INC. 31 ROBERTS RD PINE GROVE, PA 17963		
SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL 90° CORNER NO-POST OUTSWING INSTALLATION DETAIL		
DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 15 OF 17
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

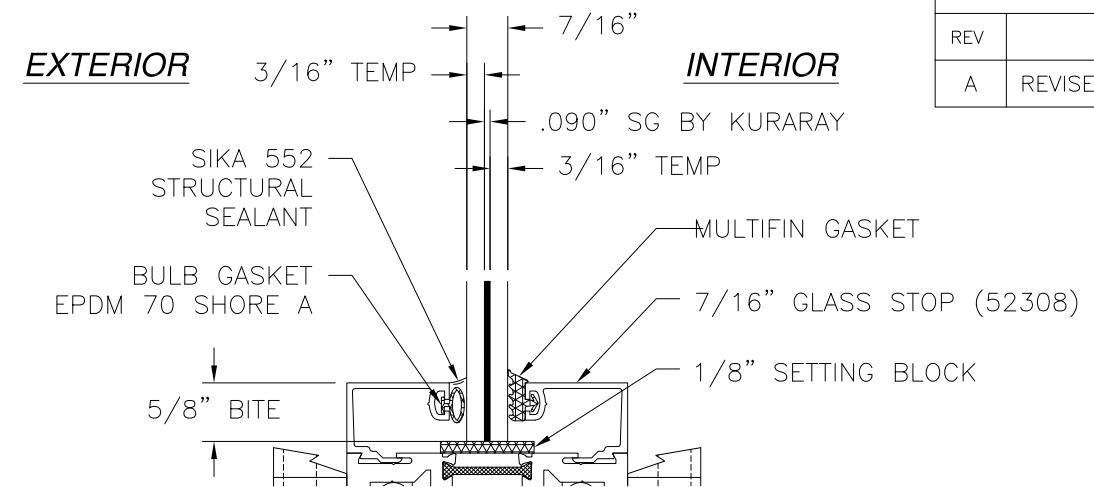
SIGNED: 12/12/2023



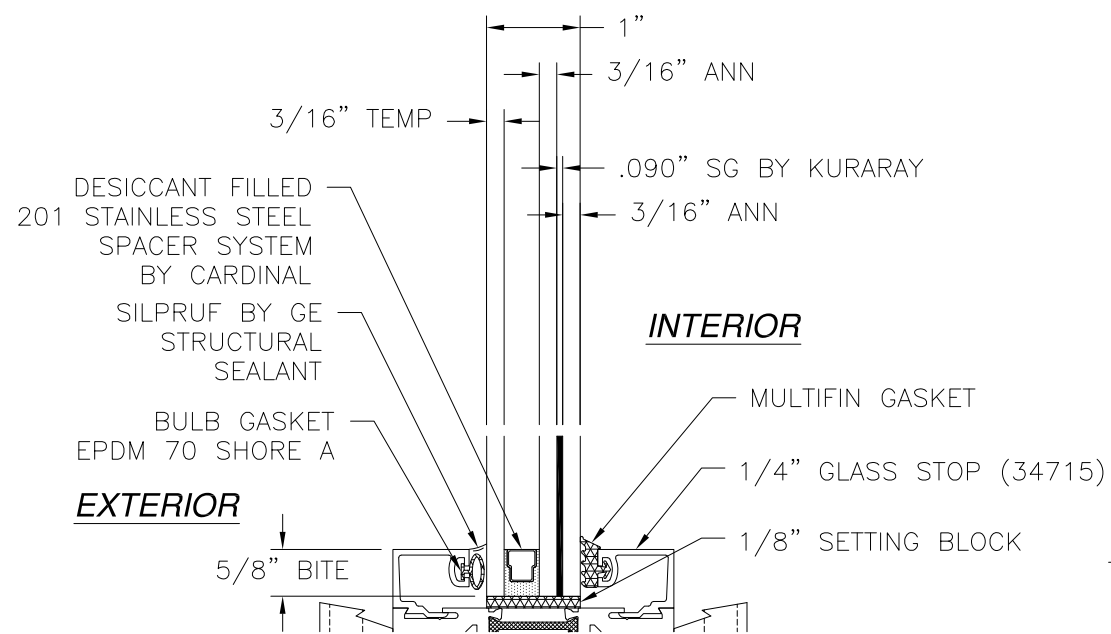
Luis R. Lomas P.E.
FL No.: 62514



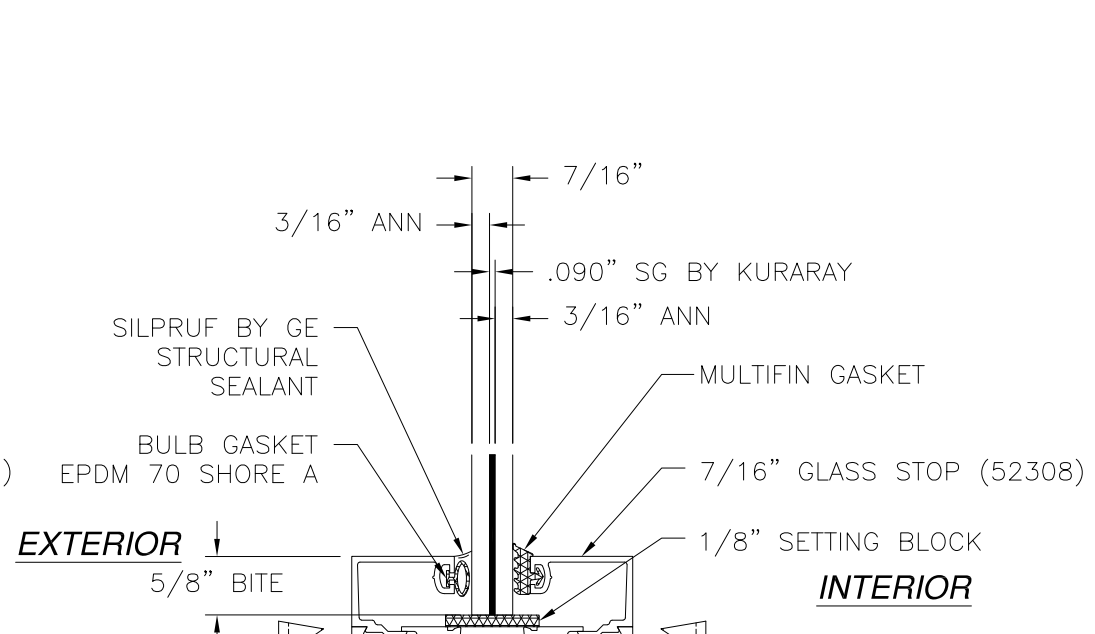
GLAZING DETAIL A



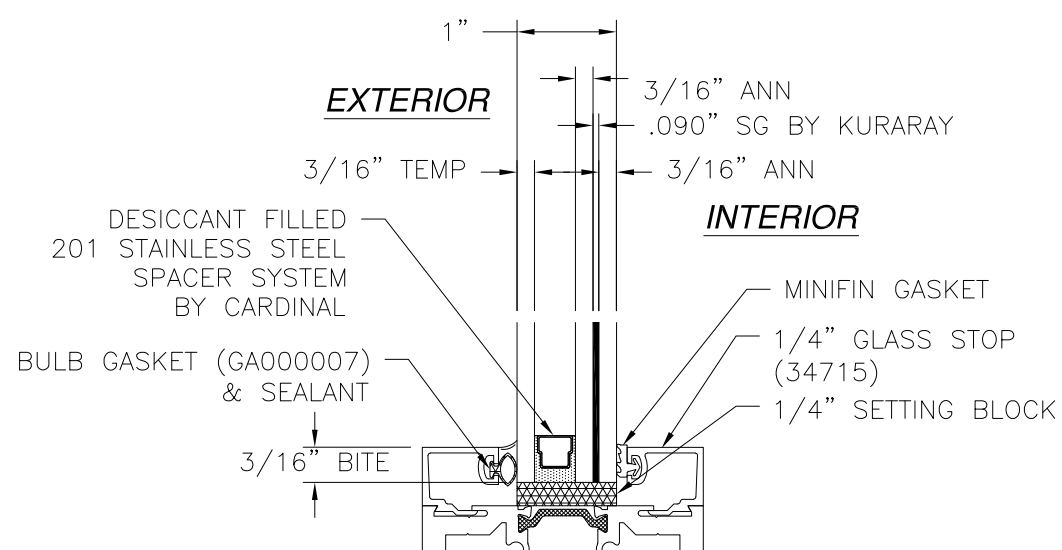
GLAZING DETAIL B



GLAZING DETAIL C



GLAZING DETAIL D



GLAZING DETAIL E

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/05/2023	R.L.

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

SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
GLAZING DETAILS

DRAWN: A.R.	DWG NO. 08-03586	REV A
SCALE NTS	DATE 07/15/2020	SHEET 16 OF 17

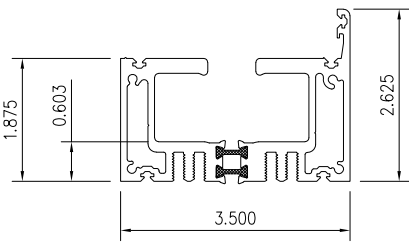
L. ROBERTO LOMAS P.E.
208 7th Ave, INDIALANTIC, FL 32903
434-688-0609 rllomas@lrlomaspe.com

SIGNED: 12/12/2023

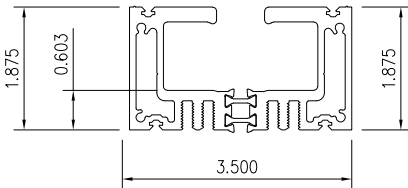
LUIS R. LOMAS
P.E.
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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

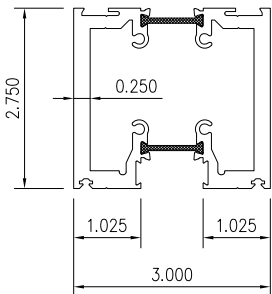
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REV	DESCRIPTION	DATE	APPROVED
A	REVISED PER NEW REQUIREMENTS	12/05/2023	R.L.



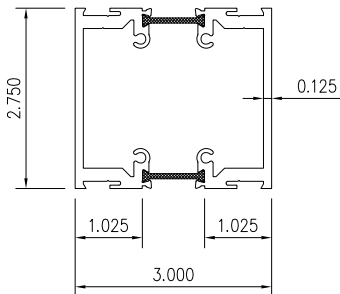
DUAL WHEEL
HEAD / SILL



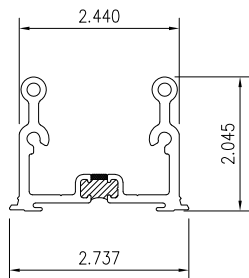
FLUSH
SILL



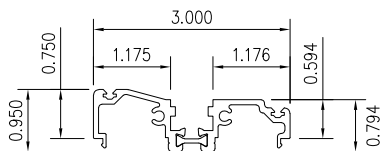
REGULAR THERMAL
FRAME



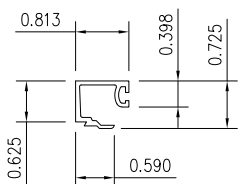
HORIZONTAL
MULLION



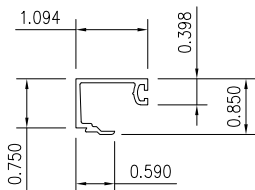
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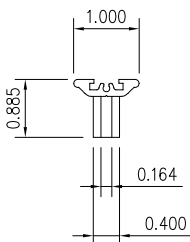
3rd GENERATION
DOOR ADAPTOR



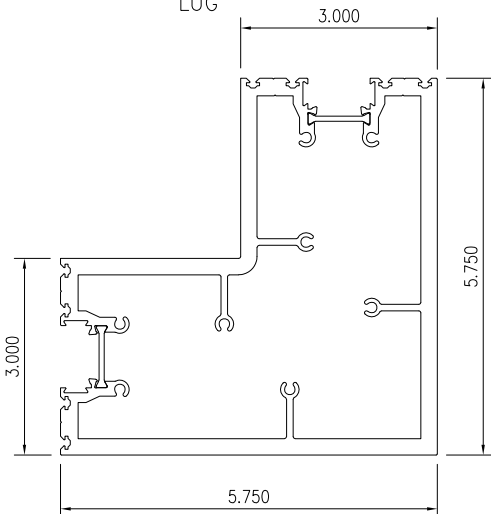
1/4" GLASS
STOP



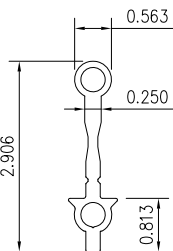
7/16" GLASS
STOP



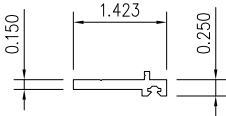
2nd GENERATION
HANDLE



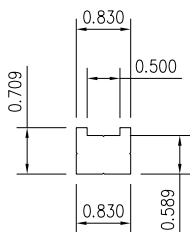
KNUCKLE
JAMB



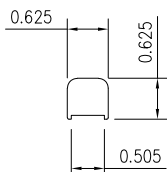
HINGE
EXTENSION



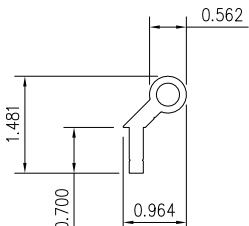
FRAME
CAP



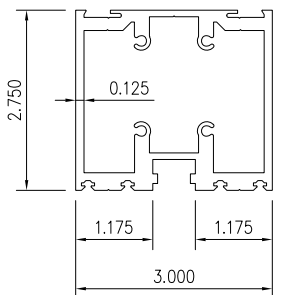
TROLLEY
BODY



IDLER
BODY



5 1/4" SEMI-
CONCEALED HINGE



NON-THERMAL
FRAME

SIGNED: 12/12/2023

SOLAR INNOVATIONS, INC.

31 ROBERTS RD
PINE GROVE, PA 17963

SERIES SI3000 G3 IMPACT FGW 3.5 X 9.5 PANEL
90° CORNER NO-POST OUTSWING
COMPONENTS

DRAWN:

A.R.

DWG NO.

08-03586

REV

A

SCALE NTS

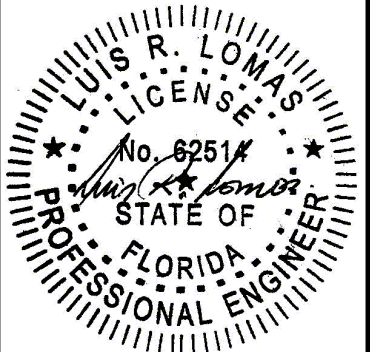
DATE

07/15/2020

SHEET

17 OF 17

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