

Town of Long Island



P.O.Box 263 Long Island, ME 04050 207-766-5820

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Email: townoflongisland@myfairpoint.net

Website: www.townoflongisland.us

BUILDING PERMIT APPLICATION# 629

LOT# 916 ZONE _____ LOT SIZE _____ STREET LOCATION 20 Eastern Ave

OWNER/APPLICANT Paul Ferguson

OWNER/APPLICANT ADDRESS 20 Eastern Ave.

TELEPHONE HOME _____ WORK _____ CELL 978-975-2684

CONTRACTOR ReVision Energy

ADDRESS 758 Westbrook St. South Portland, ME 04106

TELEPHONE WORK 207-271-9776 CELL _____ JOB SITE _____

EMAIL kcorey@revisionenergy.com

APPLICATION TYPE

____ NEW PRINCIPAL STRUCTURE ____ ADDITION ____ RELOCATION
____ NEW ACCESSORY STRUCTURE X ALTERATION ____ REPLACEMENT
____ REPAIR

PROJECT DESCRIPTION (BRIEF EXPLANATION OF WORK TO BE DONE):

Installation of 26 roof-mounted solar panels

DIMENSIONS OF PROPOSED STRUCTURE 561 square ft

PROPOSED FOUNDATION TYPE:

____ FULL 10' ____ FULL 8' ____ 4' FROST WALL ____ PIER ____ SLAB

SETBACKS OF PROPOSED STRUCTURES (MUST BE SHOWN ON "REQUIRED" SITE PLAN)

FRONT _____ FT SIDES _____ FT/ _____ FT REAR _____ FT

BUILDING HEIGHT

THE VERTICAL DISTANCE FROM THE AVERAGE ORIGINAL GRADE TO THE TOP OF THE HIGHEST ROOF BEAMS OF A FLAT ROOF, OR TO THE MEAN LEVEL OF THE HIGHEST GABLE OR SLOPE OF GABLE OR HIP ROOF. (MAX 35' ALLOWED)

EXISTING STRUCTURES _____ FT

PROPOSED STRUCTURES _____ FT

FOR STRUCTURES TO BE OCCUPIED OR FOR AN INCREASE IN THE # OF BEDROOMS TO BE SERVICED BY PRIVATE SEPTIC SYSTEM:

OF EXISTING BEDROOMS _____ # OF ADDITIONAL BEDROOMS _____

CEO PERMIT CHECKLIST:

SEASONAL CONVERSION _____ YES _____ NO
SEPTIC REVIEW NEEDED _____ YES _____ NO
SEPTIC DESIGN NEEDED _____ YES _____ NO
EXISTING LOT COVERAGE _____ OVER ON COVERAGE _____ YES _____ NO

NO BUILDING HEREAFTER ERECTED SHALL BE OCCUPIED OR USED, IN WHOLE OR IN PART, UNTIL A CERTIFICATE OF OCCUPANCY SHALL HAVE BEEN ISSUED BY THE CODE ENFORCEMENT OFFICER.

MINIMUM OF THREE INSPECTION REQUIRED FOR ALL CONSTRUCTION WORK.

1. FOUNDATIONS (FOOTINGS, WALLS, DRAINAGE, WATER PLUG)
2. FRAMING (PRIOR TO COVERING STRUCTURAL MEMBERS)
3. FINAL INSPECTION BEFORE OCCUPANCY

SEPARATE PERMITS ARE REQUIRED FOR ELECTRICAL, PLUMBING AND SHORELAND CONSTRUCTION MAY REQUIRE MAINE DEP PERMIT

THIS PERMIT APPLICATION DOES NOT PRECLUDE THE APPLICANT(S) FROM MEETING APPLICABLE STATE AND FEDERAL RULES.

THIS PERMIT WILL BE COME NULL AND VOID IF CONSTRUCTION IS NOT STARTED WITHIN SIX MONTHS OF PERMIT ISSUE DATE.

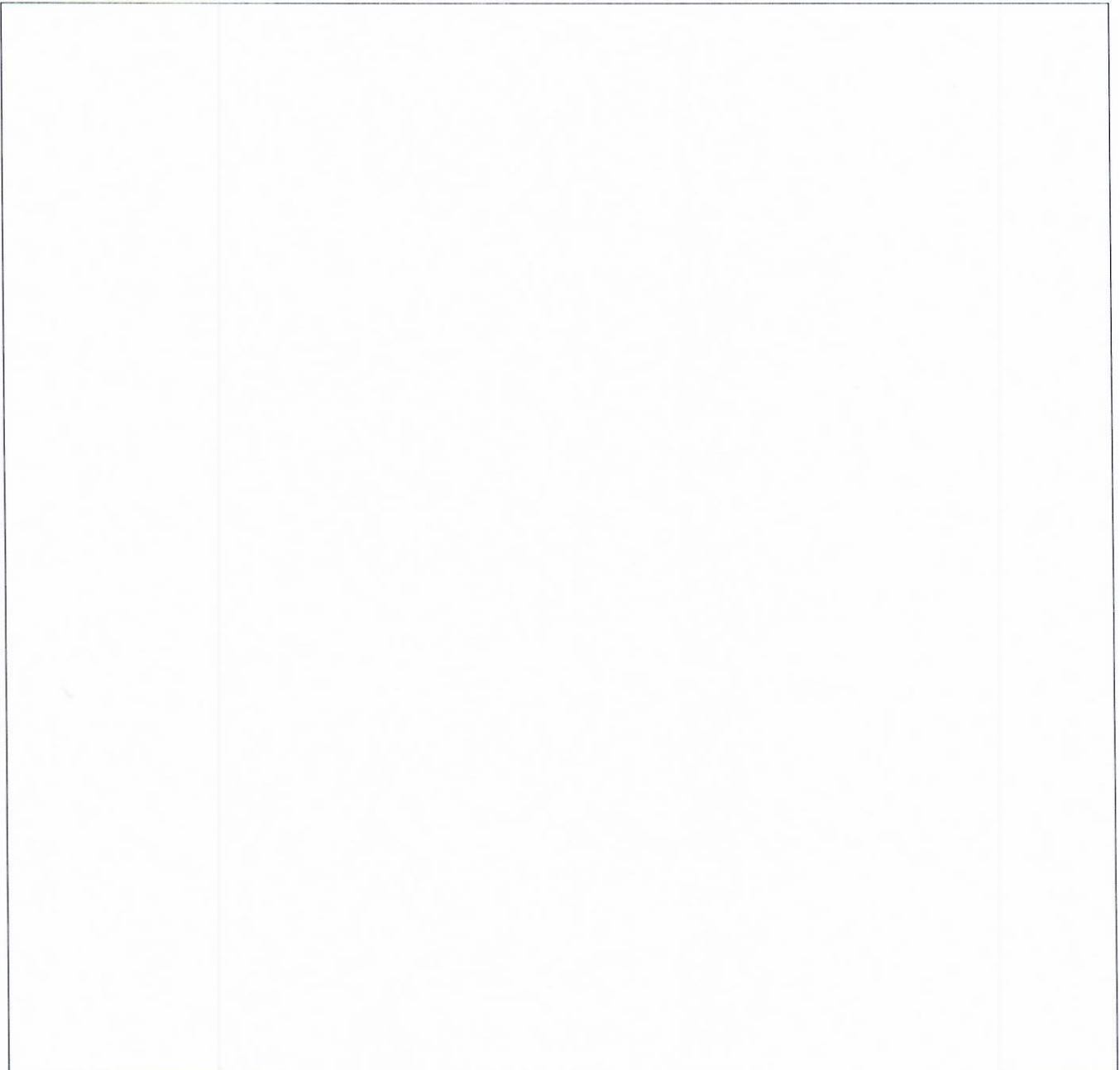
I HEREBY CERTIFY THAT I AM THE OWNER OF RECORD OF THE NAMED PROPERTY, OR THAT I HAVE BEEN AUTHORIZED BY THE OWNER TO MAKE THIS APPLICATION AS THEIR AGENT. I AGREE TO CONFORM TO ALL APPLICABLE LAWS OF THIS JURISDICTION. IN ADDITION, IF THIS PERMIT IS ISSUED, I CERTIFY THAT THE CODE OFFICIAL OR HIS REPRESENTATIVE SHALL HAVE THE AUTHORITY TO ENTER ALL AREAS COVERED BY SUCH PERMIT AT ANY REASONABLE HOUR FOR THE PURPOSES OF INSPECTING SAID WORK.

PRINTED NAME Kristine Corey OWNER/AUTHORIZED AGENTSIGNED *Kristine Corey* DATE _____
OWNER / AUTHORIZED AGENTAPPROVED BY CODE ENFORCEMENT OFFICER *[Signature]* YES *[Signature]* NOSIGNED *[Signature]* DATE _____ESTIMATED COST INCLUDING MATERIALS & LABOR \$ \$32,700PERMIT FEE: 220.00 PAID: CASH _____ CHECK# 202031
(SEE PAGE 4 FOR PERMIT FEE SCHEDULE)

APPLICATIONS FOR PERMITS MUST BE ACCOMPANIED BY THE FOLLOWING:

A site plan drawn to an indicated scale and showing the location and dimensions of all buildings to be erected, the sewage disposal system, driveways and turnarounds, and abutting lot and street lines. The site plan shall accurately represent the relationship between any proposed building or structure or addition to an existing building and all property lines to demonstrate compliance with setback requirements of the Ordinance. If there is any doubt as to the location of a property line on the ground or if the Code Enforcement Officer cannot confirm that all setback requirements are met from the information provided, the Code Enforcement Officer may require the applicant to provide a boundary survey or mortgage inspection plan.

SITE PLAN

A large, empty rectangular box with a thin black border, intended for the applicant to draw and submit their site plan. The box occupies the majority of the page below the 'SITE PLAN' heading.

LONG ISLAND BUILDING PERMIT FEE SCHEDULE EFFECTIVE: MAY 9, 2009

I. Construction work:

New construction – entire area: **.30/per sq. ft.**

Minimum permit fee: **\$30.00**

Any other construction (ex. dormer, alterations, etc.): Fee will be based upon \$30.00 minimum for 1st \$1,000 - \$6.00 per \$1,000 additional – according to a total cost of materials and labor.

Belated Fee: **Double permit fee**

Amendments to permit

Up to \$2,000 of cost **\$30.00**

Over \$2,000 of cost **\$30.00**

+ \$6.00 per every \$1,000 of total cost

II. Fees for specific items:

A. Change of use permit: **\$60.00**

B. Demolitions: **\$30.00 – 1st \$1,000**
 + \$6.00 per every \$1,000 of total cost

C. Moving building: **\$30.00 – 1st \$1,000**
 + \$6.00 per every \$1,000 of total cost

III. Fees in lieu of cost of work:

A. Signs: **\$30.00**

B. Tanks: **\$50.00**
propane gas, gasoline, fuel oil (300 gallons or more)
Removal: **\$15.00**

C. Parking lots: **\$110.00**

D. Fire alarms
& Sprinkler Systems: \$ **30.00**

Except as otherwise provided herein, permit fees shall be based upon estimated total cost of materials and labor at the rate of \$30.00 minimum for 1st \$1,000 - \$6.00 per \$1,000 additional, for any other structure altered, constructed or demolished.

REVISED 06/09

PROJECT SUMMARY:

THE PROJECT SCOPE INCLUDES THE DESIGN, SPECIFICATION, PROCUREMENT, INSTALLATION, AND COMMISSIONING OF A COMPLETE, TURN-KEY, GRID-TIED PHOTOVOLTAIC ELECTRIC SYSTEM.

MODULE TYPE	(26) REC36GTF4
INVERTER	(26) ENPHASE IQ7PLUS-72-2-US
OPTIMIZER	(0)
ARRAY PITCH	25°
ARRAY AZIMUTH	90, 180, 270°
RACKING	BLACK, RORNRIDGE XRDG ALUMINUM RAIL
ATTACHMENT	ECOSFASTEN GREENFASTEN GFI WITH SS 5/8" 5/16" LAG SCR-WS

AUTHORITIES HAVING JURISDICTION:

BUILDING AUTHORITY	LONG ISLAND ME
ELECTRICAL AUTHORITY	LONG ISLAND ME
ZONING/PLANNING AUTHORITY	LONG ISLAND ME
ELECTRICAL UTILITY	CENTRAL MAINE POWER

DESIGN CRITERIA:

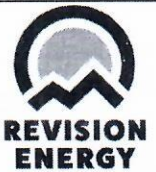
OCCUPANCY	RESIDENTIAL
DESIGN WIND LOAD	107 MPH
RISK CATEGORY	I
GROUND SNOW LOAD	50 PSF
EXPOSURE CATEGORY	C
ROOF HEIGHT	12' ABOVE GRADE TO EAVES
ROOF COMPOSITION	ASPHALT SHINGLE
RAPTOR	
RAPTOR SPACING	

SHEET LIST:

G001	TITLE SHEET
A001	SITE PLAN
A002	MODULE LAYOUT
E001	ONE-LINE DIAGRAM

GENERAL NOTES:

1. ALL WORK SHALL COMPLY WITH LOCAL AND STATE ORDINANCES AND BUILDING CODES.
2. ELECTRICAL INSTALLATION SHALL COMPLY WITH STATE AND LOCALLY ADOPTED ELECTRICAL CODE.
3. ROOFTOP PENETRATIONS SHALL BE SEALED.
4. ALL EQUIPMENT SHALL BE LISTED AND TESTED BY A RECOGNIZED LABORATORY.
5. MODULE CONNECTORS MUST BE MATCHING BRAND AND TYPE OR BE A UL LISTED ASSEMBLY.
6. SYSTEM SHALL CONFORM TO C-RAPID SHUTDOWN REQUIREMENTS PER NEC 690.
7. CONDUIT RUNS BETWEEN SUB-ARRAYS, COMBINERS, AND DISCONNECTS SHALL BE INSTALLED IN THE MOST DIRECT ROUTE POSSIBLE.
8. ELECTRICAL EQUIPMENT SHALL BE INSTALLED TO MAINTAIN CLEARANCES REQUIRED BY NEC 110.
9. EQUIPMENT SHALL BE LABELED PER NEC 2017 (NH) OR NEC 2020 (MA, ME) REQUIREMENTS.
10. ENSURE INVERTER IS SET TO ISO-ME STANDARDS.



758 WESTBROOK STREET
SOUTH PORTLAND, ME 04106
(207)-221-6342

CLIENT:

PAUL FERGUSON
20 EASTERN AVENUE
LONG ISLAND ME, 04150

SYSTEM TYPE:

9.36KW DC GRID-TIED SOLAR
PHOTOVOLTAIC SYSTEM WITH
BATTERY BACKUP

FOR CONSTRUCTION

DESIGNED BY	JAL
REVIEWED BY	C
PRINT SIZE	11" x 17"
DATE	10-10-2021

TITLE SHEET
G001

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PROJECT SUMMARY:

THE PROJECT SCOPE INCLUDES THE DESIGN, SPECIFICATION, PROCUREMENT, INSTALLATION AND COMMISSIONING OF A COMPLETE TURN-KEY GRID-TIED PHOTOVOLTAIC ELECTRIC SYSTEM.

MODULE TYPE	(26) REC360TP4
INVERTER	(26) EN-PHASE IQ7PLUS-72-US
OPTIMIZER	(1)
ARRAY PITCH	25°
ARRAY AZIMUTH	90, 180, 270°
RACKING	BLACK IRONRIDGE XR100 ALUMINUM RAIL
ATTACHMENT	ECOSFASTEN GREENFASTEN GFI WITH SS 3"x 5/16" LAG SCREWS

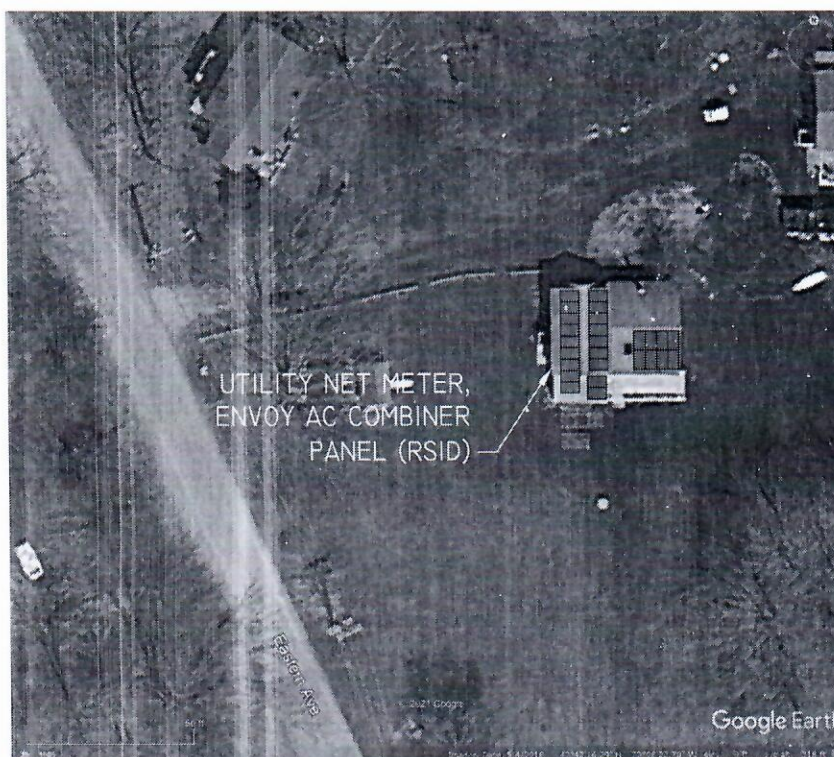
DESIGN CRITERIA:

OCCUPANCY	RESIDENTIAL
DESIGN WIND LOAD	107 MPH
RISK CATEGORY	I
GROUND SNOW LOAD	50 PSF
EXPOSURE CATEGORY	C
ROOF HEIGHT	12' ABOVE GRADE TO EAVES
ROOF COMPOSITION	ASPHALT SHINGLE
RAFTER	
RAFTER SPACING	

EQUIPMENT LOCATIONS:

INTERIOR:
MAIN LOAD CENTER
LUMIN SMART PANEL
TESLA POWERWALL

EXTERIOR:
UTILITY NET METER
TESLA GATEWAY
ENVOY PV AC COMBINER PANEL (RSID)



**REVISION
ENERGY**

75R WESTBROOK STREET
SOUTH PORTLAND, ME 04106
(207)-221-6342

CLIENT:

PAUL FERGUSON
20 EASTERN AVENUE
LONG ISLAND ME, 04050

SYSTEM TYPE:

9.36KW DC GRID-TIED SOLAR
PHOTOVOLTAIC SYSTEM WITH
BATTERY BACKUP

FOR CONSTRUCTION

DESIGNED BY: JAL

REVISED: 0

PRINT SIZE: 11" x 17"

DATE: 09/15/2021

DWG TITLE: SITE PLAN

DWG NUMBER: A001

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REVISION ENERGY

758 WESTBROOK STREET
SOUTH PORTLAND, ME 04106
(207)-221-6342

CLIENT:

PAUL FERGUSON
20 EASTERN AVENUE
LONG ISLAND ME, 04050

SYSTEM TYPE:

9.36KW DC GRID TIED SOLAR
PHOTOVOLTAIC SYSTEM WITH
BATTERY BACKUP

FOR CONSTRUCTION

DESIGNED BY: JAL
REVISED BY: C
PRINT SIZE: 11" X 17"
DATE: 10/15/2021

DWG TITLE: MODULE LAYOUT

DWG NUMBER: A002

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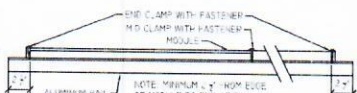
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L BRACKET
W.T. FLASHER
FOOT CLAMP



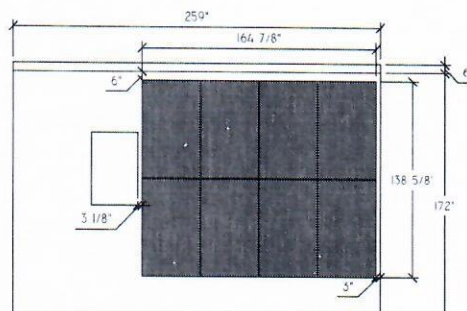
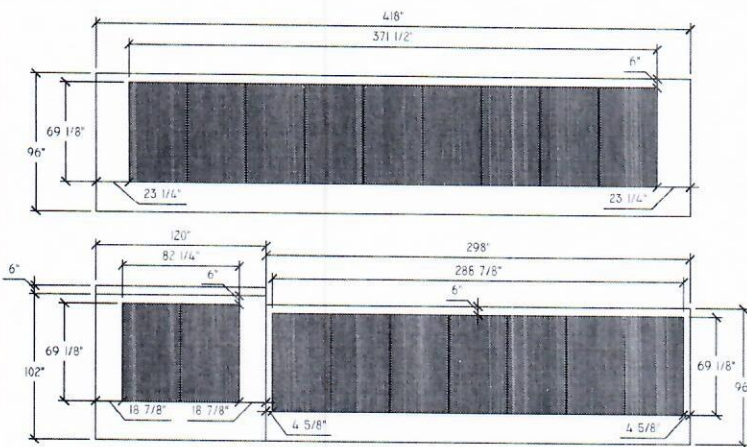
ATTACHMENT NOTES:

1. MAXIMUM RAIL LENGTH IS 100' BEFORE EXPANSION GAP IS REQUIRED.
2. MAXIMUM RAIL SPAN IS TYPICALLY 6'. THIS DISTANCE WILL VARY BASED ON ROOF SLOPE, SNOW LOAD, WIND SPEED, AND EXPOSURE CATEGORY.
3. MAXIMUM RAIL JOINTS PER INSTANTANEOUS DISTANCE IS 9.65 X RAIL SPAN.
4. SEAL ALL ATTACHMENT POINTS WITH GEDICELL SEALS SHALL BE WATERTIGHT BETWEEN THE ATTACHMENT BRACKETS, ROOF MATERIAL AND STRUCTURAL MEMBERS.
5. ROOF ATTACHMENTS SHALL BE STAGGERED 18" EVEN DISTRIBUTION OF LOAD ON ROOF RAFTERS.
6. CLEARANCE BETWEEN ROOF AND BOTTOM OF MODULES SHALL BE A MINIMUM OF 2".

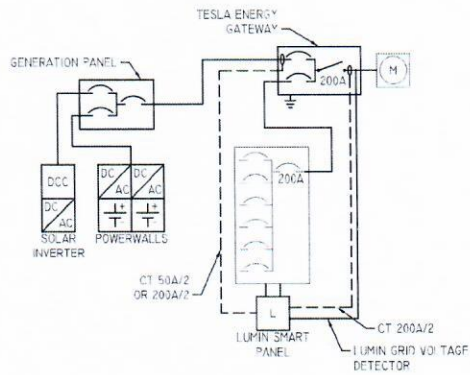


END CLAMP WITH FASTENER
MOD CLAMP WITH FASTENER
MODULE
ALUMINUM RAIL
NOTE: MINIMUM 1" FROM EDGE
OF MODULE TO END OF RAIL

A ROOF ATTACHMENT DETAIL



LSP LINE #	PHASE (CIRCLE ONE)	CIRCUIT BREAKER LABEL/NAME	LSP LINE #	PHASE (CIRCLE ONE)	CIRCUIT BREAKER LABEL/NAME
1	A		7	A	
	B			B	
2	A		8	A	
	B			B	
3	A		9	A	
	B			B	
4	A		10	A	
	B			B	
5	A		11	A	
	B			B	
6	A		12	A	
	B			B	
		CURRENT TRANSFORMER (CT)			CURRENT TRANSFORMER (CT)
LINE A/B CTS (200A)			AUX. A/B CTS (50A/200A) (CIRCLE ONE)		



TYPICAL INSTALLATION

DESIGN NOTES:

1. VERIFY THAT CTS ARE INSTALLED IN CORRECT DIRECTION
2. LSP WIRES LABELED LINE #A' CAN CONNECT TO CIRCUIT BREAKERS RATED UP TO 60 AMPS FOR LINES 1-6 (6 AWG WIRES) AND TO CIRCUIT BREAKERS RATED UP TO 30 AMPS FOR LINES 7-12 (10 AWG WIRES)



**REVISION
ENERGY**

758 WESTBROOK STREET
SOUTH PORTLAND, ME 04106
(207)-221-6542

CLIENT:

PAUL FERGUSON
20 EASTERN AVENUE
LONG ISLAND ME, 04050

SYSTEM TYPE:

9.36KW DC GRID TIED SOLAR
PHOTOVOLTAIC SYSTEM WITH
BATTERY BACKUP

FOR CONSTRUCTION

DESIGNED BY: JAL

NEUTRAL: 0

PRINT SIZE: 11" X 17"

DATE: 10-5-2021

DWG TITLE:

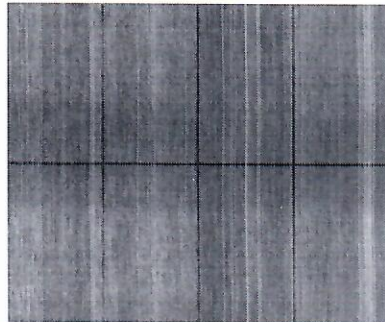
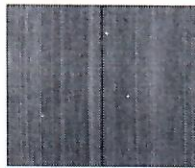
LUMIN PANEL DETAILS

DWG NUMBER:

E002

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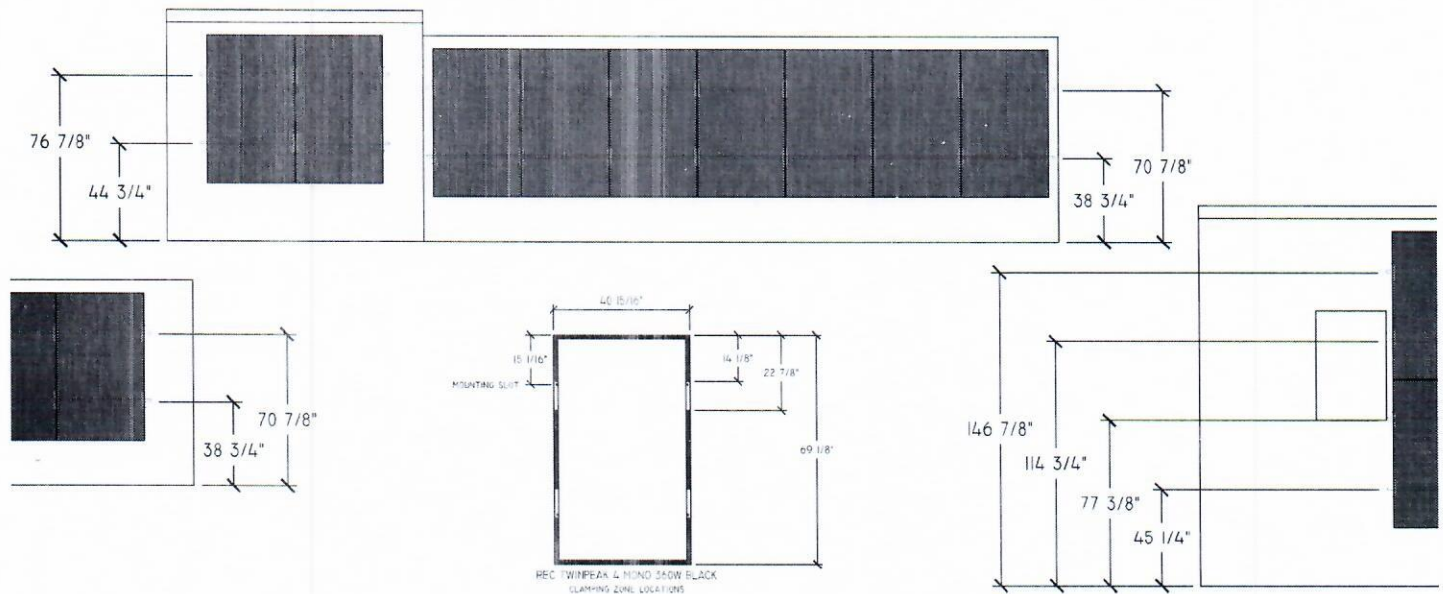
INVERTER
STICKER
HERE

STRING AND STICKER MAP

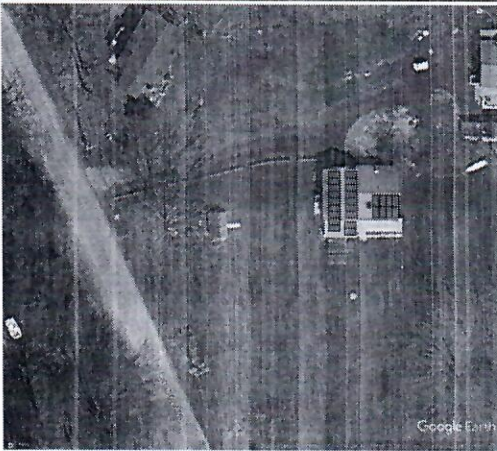
PLEASE CONNECT MODULES
AS STRUNG. PLEASE SHOW
ROOF PENETRATIONS.

PAUL FERGUSON
20 EASTERN AVENUE
LONG ISLAND ME, 04750

SUMMARY				RAIL LENGTH										CUT LIST	
TYPE	PRODUCT	DIMENSIONS	QUANTITY	RAIL SECTION TAG	NUMBER OF RAIL SECTIONS	QTY OF PANELS IN SECTION	RAFTER SPACING	MODULE ORIENTATION	RAIL ORIENTATION	RAIL LENGTH (IN)	FULL STICKS	CUT PIECE (IN)	RAIL LENGTH (IN)	QTY	
MODULE:	REC360TP4	40.94IN X 69.09IN	26	P2	2	2	24"	PORTRAIT	HORIZONTAL	87 1/4	0	(1) 87 1/4	87 1/4	2	
RAIL:	IRON RIDGE XR100 - 17'	204 IN	(4) FULL (0) CUT	P4	4	4	24"	PORTRAIT	HORIZONTAL	169 7/8	0	(1) 69 7/8	169 7/8	4	
FASTENERS:	IRON RIDGE UFO	0.375 IN	62 MIN	P7	2	7	24"	PORTRAIT	HORIZONTAL	293 7/8	1	(1) 89 7/8	89 7/8	2	
INVERTER		WATTS / STRING	MAX MODS PER STRING	P9	2	9	24"	PORTRAIT	HORIZONTAL	376 1/2	1	(1) 172 1/2	172 1/2	2	
ENPHASE IQ7PLUS-72-2-US		0	0												



PAUL FERGUSON
20 EASTERN AVENUE
LONG ISLAND MC, 04750

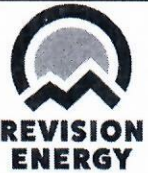
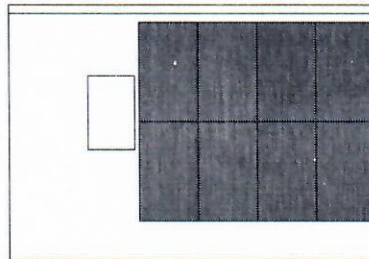
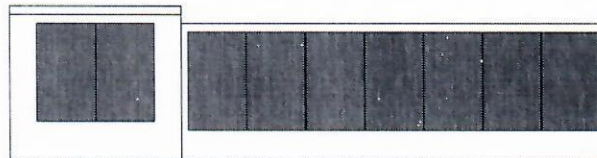
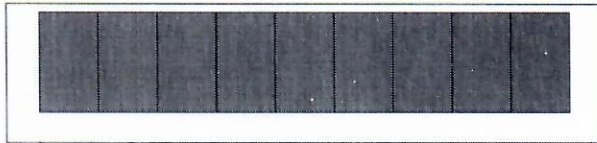


SAFETY SHEET NOTES:

1. DRAW IN APPROXIMATE ANCHOR LOCATIONS AND SWING RADII.
2. DRAW IN APPROXIMATE RESTRICTED ACCESS ZONE (RULE OF THUMB 10' FOR EVERY STORY OF BUILDING).
3. DRAW IN MAINTENANCE OR PERSONNEL ACCESS PATHS.

ANCHOR POINT ATTACHMENT NOTES:

1. ANCHOR POINTS REQUIRING FASTENERS MUST BE INSTALLED INTO BUILDING STRUCTURE (RAFTERS OR PURLINS).
2. ANCHOR POINTS TO BE INSTALLED A MINIMUM OF 72" FROM ROOF RAKE.
3. MAXIMUM SPACING BETWEEN ANCHOR POINTS IS 96".
4. LEAVE BEHIND MAINTENANCE TO BE INSTALLED UNDER THE LEFT AND TOP RIGHT PANELS TO FACILITATE SAFE ROOF EXIT.
5. 3 MINIMUM ANCHORS PER ROOF.
6. ANCHOR POINT 1:1 (ONE PERSON PER ANCHOR POINT AT A TIME).
7. WORK IS TO BE DONE WITHIN 90 DEGREES OF ANCHOR.



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SOUTH PORTLAND, ME 04106
(207)-221-6342

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LONG ISLAND ME, 04050

SYSTEM TYPE:

9.36KW DC GRID TIED SOLAR
PHOTOVOLTAIC SYSTEM WITH
BATTERY BACKUP

FOR CONSTRUCTION

DESIGNED BY: JAL

REVISED BY: C

PRINT SIZE: 11 X 17

DATE: 01/15/2022

DWG TITLE: SAFETY SHEET

DWG NUMBER:

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