

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that RACHEL A OSBORN

Located At 53 LELAND ST

Job ID: 2012-09-5075-ALTR

CBL: 133- H-002-001

has permission to Three Solar hot water panels on roof
provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD**

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

Footings/Setbacks prior to pouring concrete

Close In Elec/Plmb/Frame prior to insulate or gyp

Final Inspection

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Jeff Levine

Job ID: 2012-09-5075-ALTR

Located At: 53 LELAND ST

CBL: 133- H-002-001

Conditions of Approval:

Building

Equipment shall be installed in compliance with the manufacturer's specifications and the UL listing.

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No: 2012-09-5075-ALTR	Date Applied: 9/28/2012	CBL: 133- H-002-001	
Location of Construction: 53 LELAND ST	Owner Name: RACHEL & ERIK OSBORN	Owner Address: 53 LELAND ST PORTLAND, ME 04103	Phone: 221-6342
Business Name:	Contractor Name: ReVision Energy	Contractor Address: 142 PRESUMPCOT ST PORTLAND MAINE 04103	Phone: (207) 221-6342
Lessee/Buyer's Name:	Phone:	Permit Type: BLDG ALT	Zone: R-5
Past Use: Single Family	Proposed Use: Same: Single Family – to install 3 solar hot water panels on existing roof of dwelling	Cost of Work: \$14,000.00	CEO District:
		Fire Dept: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input checked="" type="checkbox"/> N/A	Inspection: Use Group: R-3 Type: SB HVAC
Proposed Project Description: Solar hot water panels on roof		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Gayle		Zoning Approval	

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>___ Maj ___ Min ___ MM</p> <p>Date: OK 10/1/12</p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>
	CERTIFICATION		

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE



General Building Permit Application R-5

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>53 Leland Street</u>		
Total Square Footage of Proposed Structure/Area	Square Footage of Lot	Number of Stories
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>133 H 009</u>	Applicant: (must be owner, lessee or buyer) Name <u>Revision Energy</u> Address <u>142 Presumpscot St</u> City, State & Zip <u>Portland, ME 04103</u>	Telephone: <u>221-6342</u>
Lessee/DBA RECEIVED SEP 28 2012 Dept. of Building Inspections City of Portland Maine	Owner: (if different from applicant) Name <u>Erk Osborn</u> Address <u>53 Leland St</u> City, State & Zip <u>Portland, ME 04103</u>	Cost of Work: \$ <u>14,000</u> C of O Fee: \$ _____ Historic Review: \$ _____ Planning Amin.: \$ _____ Total Fee: \$ _____
Current legal use (i.e. single family) <u>single family</u> Number of Residential Units _____ If vacant, what was the previous use? _____ Proposed Specific use: _____ Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>Solar hot water panels on roof - 3 panels</u>		
Contractor's name: <u>Revision Energy</u> Email: _____ Address: <u>142 Presumpscot St</u> City, State & Zip: <u>Portland, ME 04103</u> Telephone: <u>221-6342</u> Who should we contact when the permit is ready: <u>Jen Hatch</u> Telephone: _____ Mailing address: _____		

Please submit all of the information outlined on the applicable checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

and I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature: J Hatch Date: 9/28/2012

This is not a permit; you may not commence ANY work until the permit is issued

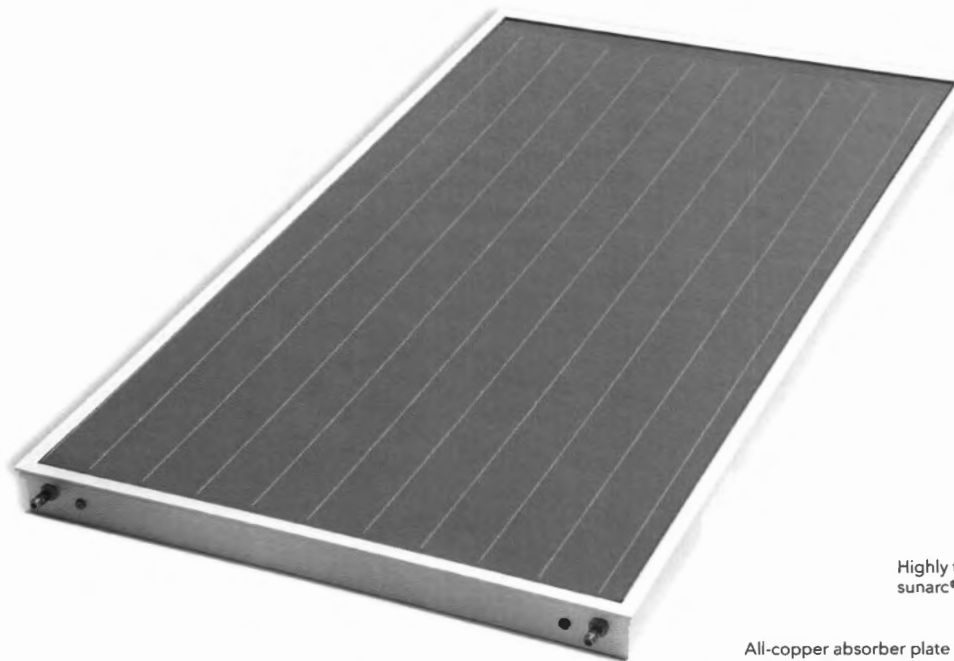


Wagner & Co

FLAT-PLATE TECHNOLOGY

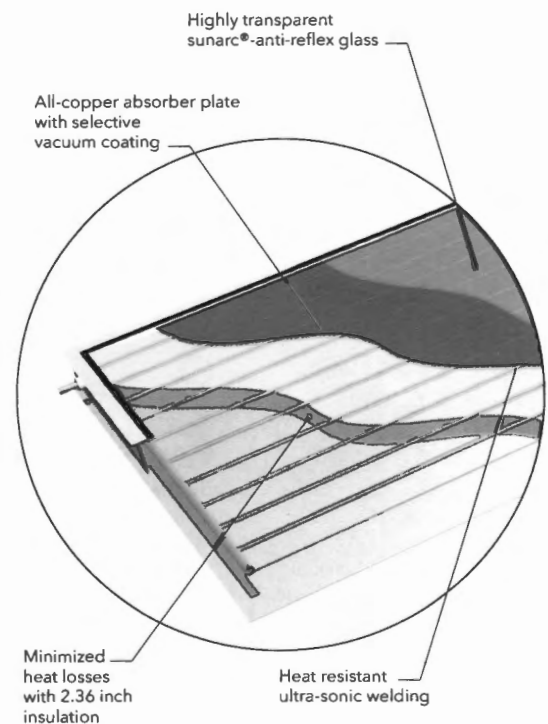
EURO C20 AR-M Flat Plate Collector

Top Performance with Anti-Reflex Glass



12 Years of Collector Engineering

- sunarc® anti-reflex glass with an ultrafine nano surface structure increases the light transmissivity from 91% to 96%. The energy output improves by 6 to 10%.
- Selective vacuum coating of the absorber plate captures maximum solar heat and minimizes radiation losses.
- The all-copper absorber plate is ultrasonically welded to a double harp register.
- The 2.36 inch of insulation at the back side minimizes heat losses and assures high temperatures.
- Vertical and horizontal installation either on-roof or free-standing using TRIC.





Professional design, installation and service of solar energy systems

RENEWABLE ENERGY SYSTEM INSTALLATION CONTRACT

This Contract ("Contract") is made this 17th day of September, 2012 between

Contractor:
Revision Energy, LLC
142 Presumpscot St
Portland, ME 04103
(207) 221-6342 phone
(207) 221-5342 fax

and Owner:
Erik Osborn
53 Leland Street
Portland, ME 04103

The Project is:

Installation of a solar hot water system at 53 Leland Street in Portland, ME

Contractor and Owner agree as follows:

The Work. Contractor shall provide all labor, materials and equipment for the installation of three (3) Wagner and Co Euro C20 AR-M flat plate solar hot water collectors with silver frames, super insulated 105 gallon Stiebel Eltron solar storage tank with top & bottom heat exchange coils, Stiebel Eltron flowstar pump station, 40% Dow frost HD non-inhibited, break down resistant antifreeze, Stiebel Eltron SOM 6 Delta T controller, Honeywell AM1-series anti-scald mixing valve, Johnson Controls digital set point controller for calling backup, the Intellicon boiler control option, all parts and labor to provide for a code compliant, NABCEP certified installation in accordance with the Contract Documents.

The Contract Documents, which are expressly incorporated into and made a part hereof, shall consist of this Contract, Contractor's email dated August 30, 2012.

1. **Contract Time.** Contractor estimates that it shall begin work on the Project after October 1, 2012. Subject to Changes to the Work or delays that are beyond the control of Contractor, Contractor shall achieve Substantial Completion of the Work by November 23, 2012. This is a window of time, not exact installation dates.

2. **Contract Sum.** In exchange for performing the Work described in this Contract, Owner shall pay Contractor the lump sum of \$14,025 subject to such additions and deductions as may be made in accordance with Paragraph 5.

3. **Payments.** Owner shall pay Contractor in accordance with the following payment schedule:

One third of the Contract Price upon execution of this Contract.

One third of the Contract Price upon delivery to the Project site of the equipment to be installed under the Contract.

The balance of the Contract Price shall be paid upon Substantial Completion of the Work.

Invoices are Net 30.

Interest. Should Owner fail to pay any amount under this Contract when such amount is due, Owner shall be liable for interest in the amount of 18% per annum on such amounts.

91 West Main Street
Liberty, ME 04949

(207) 589-4171

142 Presumpscot Street
Portland, ME 04103

(207) 221-6342

www.revisionenergy.com

7 Commercial Drive
Exeter, NH 03833

(603) 501-1822



Professional design, installation and service of renewable energy systems

September 26, 2012

City of Portland
389 Congress Street
Portland, ME 04101

RE: ReVision Energy Solar Installation at 53 Leland Street

Dear Code Enforcement,

ReVision Energy has been contracted to design and install a solar hot water system at the above address in Portland. This letter is to confirm that all work will be performed by licensed and qualified installers, expert in the field and in compliance with both manufacturer's recommendations and all applicable local and state codes and standards. This also confirms that the roof structure can handle the weight of the panel load, in addition to snow load. The weight of the panels does not change the structural integrity of the building.

ReVision Energy employs licensed engineers, plumbers, and electricians and carries the solar industries highest certifications (NABCEP) in both solar thermal and photovoltaic installation. We're committed to high quality, code compliant work and look forward to working together with the city and the CEO to ensure that all your requirements and needs are met and that our customer ends up with a system that is beautiful, functional and safe.

Electrical and grounding:

All electrical work to be performed by a licensed ME electrician and will conform to NEC 2011 revision as well as NABCEP standards. Specifically, wiring and grounding of the photovoltaic system will be governed by manufacturer's recommendations and article 690. All installed metal components are grounded via the grounding electrode conductor.

If you have any questions or concerns, we'd like to address them as quickly and completely as possible. Please don't hesitate to call or e mail anytime.

Respectfully,

Fortunat Mueller, P.E.
Co-owner
ReVision Energy
(207) 752-6358
fortunat@revisionenergy.com

Bangor
207-570-4222

Liberty
207-589-4171

Portland
207-221-6342

Portsmouth
603-486-7170

www.revisionenergy.com





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Receipts Details:

Tender Information: Check , BusinessName: visa, Check Number: 39502

Tender Amount: 160.00

Receipt Header:

Cashier Id: gguertin

Receipt Date: 9/28/2012

Receipt Number: 48769

Receipt Details:

Referance ID:	8190	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	160.00	Charge Amount:	160.00
Job ID: Job ID: 2012-09-5075-ALTR - Solar hot water panels on roof			
Additional Comments: 53 Leland St.			

Thank You for your Payment!