



Checklist and Submittal Requirements for Prescriptive Installations of Solar Photovoltaic and Solar Water Heating Systems in accordance with Oregon Solar Installation Specialty Code (OSISC)

Instructions

Complete the following with all the information requested. This form must be submitted along with the application for installation.

Property Owner Information

Property Owner Name: BOB FORSTER Installation Address: 2828 NW IMPERIAL TERRACE

Day Phone: 503-219-2930 Evening Phone: _____ Email: bob@walshconstructionco.com

Contractor: SOLAR UNIVERSE CCB#: 195595

Day Phone: 503-828-9500 Evening Phone: 503-410-6884 Email: dtracy@solaruniverse.com

PV Modules or Solar Water Heating Collectors

Manufacturer: LIGHTWAY Model Number: P1650X990 Listing Agency: UL

Site Plan and Structural Plan

- Attach a simple site plan showing the location of the PV or solar water heating system in relation to buildings, structures, property lines, and, as applicable, flood hazard areas.
- Attach a simple structural plan showing the roof framing (rafter size, type and spacing) and PV module system racking attachment. Plans must be shown in sufficient detail to assess whether the requirements of section 304.9 of OSISC or one of the exceptions have been met.
- Attach simple building elevation.
- The plans must be on 8.5 x 11 or larger paper.

Structural Information

Roof Design and Attachment

- Roof rafter size: 2 x 4 inches OR Manufactured Trusses
- Rafter or manufactured roof truss spacing 24 inches o.c.
- For roof rafters, maximum rafter span allowed per table 305.4.1 (Appendix "B") of the Oregon Solar Installation Specialty Code (OSISC) (www.oregonbcd.org/programs/solar/solar_code/100110_OSISC.pdf) for the size and spacing of roof rafters is _____ ft _____ inches.

Checklist to determine if your installation qualifies for prescriptive path

Yes No Is this conventional light framed wood construction?

Yes No Does the structure have pre-engineered trusses?

OR

Does structure have roof framing members spaced at 24" o.c. maximum AND comply with the applicable allowable span in table 305.4.1 (Appendix "B") of the Oregon Solar Installation Specialty Code (OSISC)?

- Yes No Is the roofing material metal, single layer wood shingle, or not more than two layers of composition shingle?
- Yes No Is the weight of the modules and racking less than 4.5 pounds per square foot?
- Yes No Is the module height less than 18 inches above the roof in accordance with section 305.4?

For Standing Seam Metal Roofs Only (If not applicable please skip this section)

- Yes No Is the metal gauge 26 or heavier?
- Yes No Clamp design: Are clamps designed to withstand uplift of at least 115 pounds for clamps spaced at 60 inches on center or less or at least 75 pounds for clamps spaced at 48 inches on center or less?
- Yes No Is the spacing of the clamps as measured along the seam greater than or equal to 24" o.c. and less than 60" o.c. AND the spacing perpendicular to the seam not greater than 24" o.c.?
- Yes No Is the roofing panel width 18-inches or greater?
- Yes No Is the roofing panel attached with at least #10 screws at 24" o.c.?
- Yes No Is the roofing panels installed over minimum 1/2-inch nominal wood structural panels attached to framing with 8d nails at 6" o.c. at panel edges and 12" o.c. field nailing?

If you have indicated "No" on any of these requirements above, the project may not be submitted using the prescriptive path.

Fire Fighter Access and Escape

Access and escape pathways are not required when the array is located on a non-occupied accessory structures that is separated from occupied structures by a 6 foot minimum separation distance or by a minimum two-hour fire rated assembly.

General Requirements: For all other roof mounted systems, a minimum 36" wide pathway is required along three sides of the solar roof, located over a structurally supported area. Any roof with a slope greater than 2:12 can not use the bottom roof edge as a pathway. Pathways and solar panels shall be located outside 12" of the low point of a valley.

If the array is greater than 150 feet in length or width, additional 36" wide intermediate pathways and cutouts are required. See code for details.

If the roof has smoke and/or heat vents, a 36" pathway shall be provided to and around each vent.

Exceptions to General Requirements:

- Yes No Is the roof slope greater than 2:12?
- Yes No Is the array area 1,000 sq ft or less?
- Yes No Is the array 150 feet or less in length or width?

If you have indicated "No" to any of the items above, exceptions do not apply, provide a simple plan conforming with the general requirements.

If you have indicated "Yes" to all of the items above, see below for reduced access and escape pathway requirements.

Is the array 25% or less of the roof area? Yes No

- If Yes, a 12" pathway along each side of any horizontal ridge is required.
- If No, a 12" pathway along each side of any horizontal ridge is required and a minimum of one 36" pathway is required from ridge to eave over a structurally supported area.

Provide a simple plan showing conformance to the reduced access pathway requirements.

As the property owner or authorized representative of the above listed property, I certify that I have verified the information provided above and that the roof rafters (if applicable to the project), meet the span requirements of Table 305.4.1 (Appendix B) of the Oregon Solar Installation Specialty Code.

Applicant name (please print) DANIEL B TRACY **Signature**  **Date** _____



Electrical Renewable Energy Permit Application
City of Portland, Oregon - Bureau of Development Services
 1500 SW 4th Avenue, Portland, Oregon 97204 • TTY 503-823-6868 • www.portlandoregon.gov/bds

New construction Addition/alteration/replacement
 Demolition Other

Category

1 & 2 family dwelling Commercial/Industrial Accessory building
 Multifamily Master builder Other

Job site information

Job no.: Job address: **2828 NW IMPERIAL TERRACE**

City/State/Zip: **PORTLAND OR 97210**

Suite/bldg./apt. no.: Project name: **FORSTER RESIDENCE**

Cross street/directions to job site:

Subdivision: Lot no. Tax map/parcel no.

Description of work

ADD 6.24 KW ROOFTOP PV SYSTEM

Provide RS permit no.

Name: **BOB FORSTER** E-mail: **bob@walshconstructionco.com**

Address: **2828 NW IMPERIAL TERRACE**

City/State/ZIP: **PORTLAND OR 97210**

Phone: **503-410-6884** FAX:

Owner installation: This installation is being made on property that I own, which is not intended for sale, lease, rent, or exchange.

Owner signature: _____ Date: _____

Contractor Electrical Subcontractor

Business name: **EAGLE ELECTRIC, INC** E-mail: **danny@eagle-electric.net**

Address: **4134 N VANCOUVER AVENUE**

City/State/ZIP: **PORTLAND OR 97217**

Phone: **503-287-3294** FAX: **503-287-3088**

Elec. lic. no. **C680** CCB lic. no. **192277**

Metro or City lic. no. **10675** Date:

Boardsing electrician signature required: *[Signature]*

Print name: **Daniel Pharr** License no. **56775**

Authorized signature: _____

Print name: _____

Applicant Contact Person

Business name: **EAGLE ELECTRIC, INC**

Contact name: **DANNY PHAR**

Address: **4134 N VANCOUVER AVENUE**

City/State/ZIP: **PORTLAND OR 97217**

Phone: **503-287-3294** FAX: **503-287-3088**

E-mail: **danny@eagle-electric.net**

This permit application expires if a permit is not obtained within 180 days after it has been accepted as complete.

Description	Qty.	Fee	Total	**
5 kva or less		\$137		2
15.01 to 25 kva		\$255		2
25.01 to 50 kva		\$385		3
50.01 to 100 kva		\$708		3
100.01 kva and over: ORA 918-309-0040		Minimum fee at application \$395, balance due after plan review complete. Use standard electrical service or fees below.		
200 amps or less (2)		\$137		
201 amps to 400 amps (2)		\$195		
401 amps to 600 amps (2)		\$255		
601 amps to 1,000 amps (2)		\$385		
Over 1,000 amps or volts (2)		\$708		
Each branch circuit with above number of conductors		\$13		
Solar generation system over 25 kVA (Plan Review Required)				
For systems over 25 kva, enter total kva for installation in quantity field		\$10.20 per kva up to 100		3
100.01 kva and over, no additional fee (ORA 918-309-0070 (1)(c)(B))		No additional fee		
Each additional inspection (1) ORA 918-309-0070		\$142		1
Miscellaneous				
Describe:				
Hourly rate:		\$142		
Electrical permit fees				
		Subtotal		
		Plan review (25% of permit fee)		
		State surcharge (12% of permit fee)		
		TOTAL PERMIT FEE		

** Number of inspections allowed per permit.

RS Combo Permit/No Fees Due

Trade Permit Questions.....503-823-7363 Code Related Questions.....503-823-7388

Residential Combo permit subcontractor submittals only can be faxed to 503-823-7693 or e-mailed to BDSCombInspSec@portlandoregon.gov.



Building Permit Application
City of Portland, Oregon - Bureau of Development Services

1900 SW 4th Avenue, Portland, Oregon 97201 • 503-823-7310 • TTY 503-823-6868 • www.portlandoregon.gov/bds

Type of work

- New construction Addition/alteration/replacement
 Demolition Other:

Category of construction

- 1 & 2 family dwelling Commercial/industrial Accessory building
 Multifamily Master builder Other:

Job site information and location

Job no.: Job address: 2828 NW IMPERIAL TERRACE

City/State/ZIP: PORTLAND, OR 97210

Suite/bldg./apt. no.: Project name: FORSTER RESIDENCE

Cross street/directions to job site:

Subdivision: Lot no. Tax map/parcel no.

Description of work

ADD 6.24 KW ROOFTOP PV SYSTEM

Provide RS Permit no.

Property owner **Tenant**

Name: BOB FORSTER E-mail: bob@walshconstructionco.com

Address: ~~2828 NW IMPERIAL TERRACE~~ 2828 NW Imperial Terr

City/State/ZIP: PORTLAND, OR 97210

Phone: 503-410-8804 FAX:

Owner installation: This installation is being made on property that I own, which is not intended for sale, lease, rent, or exchange.

Owner signature: Date:

Contractor

Business name: Solar Universe E-mail: dtracy@solaruniverse.com

Address: 556 Sommerset Road 556 Sommerset Rd

City/State/ZIP: Woodland, WA 98674

Phone: 503-410-6884 FAX: 503-410-7110

CCB lic. no. 195595

Authorized signature: *[Signature]*

Print name: Daniel B Tracy Date:

Applicant **Contact Person**

Business name: Solar Universe

Contact name: Dan Tracy

Address: 556 Sommerset Road

City/State/ZIP: ~~Woodland, WA 98674~~ Woodland WA 98674

Phone: 503-410-6884 FAX: 503-410-7110

E-mail: dtracy@solaruniverse.com

Authorized signature: *[Signature]*

Print name: Daniel B Tracy Date:

This permit application expires if a permit is not obtained within 180 days after it has been accepted as complete.

Office Use Only

Permit no:
 Date received:
 By:

Required Data: One and Two Family Dwelling

Permit fees* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar) of all equipment, materials, labor, overhead, and the profit for the work indicated on this application.

Valuation:	
Number of bedrooms:	
Number of bathrooms:	
Total number of floors:	
New dwelling area:	square feet
Garage/carport area:	square feet
Covered porch area:	square feet
Deck area:	square feet
Other structure area:	square feet

Required Data: Commercial Use

Permit fees* are based on the value of the work performed. Indicate the value (rounded to the nearest dollar) of all equipment, materials, labor, overhead, and the profit for the work indicated on this application.

Valuation:	
Existing building area:	square feet
New building area:	square feet
Number of stories:	
Type of construction:	
Occupancy groups	
Existing:	
New:	

Notice

All contractors and subcontractors are required to be licensed with the Oregon Construction Contractors Board under ORS 701 and may be required to be licensed in the jurisdiction in which work is being performed.

Statement of Fact: I certify that the facts and information set forth in this application are true and complete to the best of my knowledge. I understand that any falsification, misrepresentation or omission of fact (whether intentional or not) in this application or any other required document, as well as any misleading statement or omission, may be cause for revocation of permit and/or certificate of occupancy, regardless of how or when discovered.

I acknowledge that work related to this Building Permit Application may be subject to regulations governing the handling, removal and/or disposal of asbestos and/or lead-based paint. _____ (initials)

Building Permit Fees*

Please refer to fee schedule

Fees due upon application	
Amount received	
Date received	

Residential Combo permit subcontractor submittals only can be faxed to 503-823-7693 or e-mailed to BDSCombInspSec@portlandoregon.gov.