

HALIFAX  
REGIONAL MUNICIPALITY

# Solar Collectors

*Roof and Ground Mounted Collectors*



# Solar Domestic Hot Water Installations (SDHW)

Property owners installing a SDHW system or other solar collectors on the roof of their home or on private property in HRM are required to obtain a permit. In obtaining a permit, details of solar collector location(s) must be identified. Permits and inspections will help to ensure that the required minimum plumbing and structural standards are met. Application fee for a Solar Collector Permit is \$150.00.

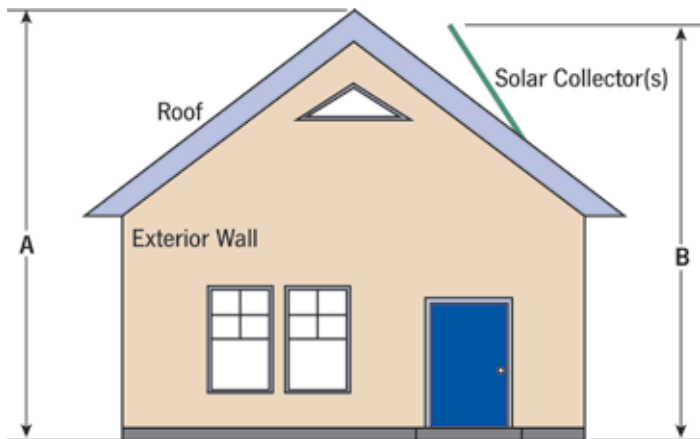
## Indicate Solar Collector Installation Location

(check one)

|                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> Roof Mounted | <input type="checkbox"/> Ground Mounted |
|---------------------------------------|---|

### Roof Mounted Collector

Indicate building and solar panel height

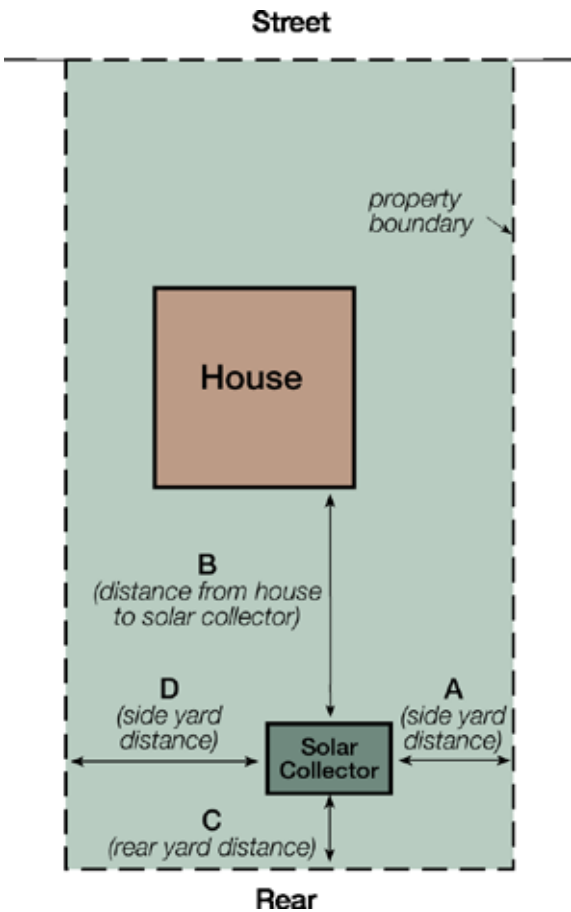


**Note:** If the solar collector is being mounted on the roof indicate if collectors are mounted on the main building or accessory building.

| Dimensions | Collector Location (check one)              |
|------------|---|
| A =        | <input type="checkbox"/> Main Building      |
| B =        | <input type="checkbox"/> Accessory Building |

**Ground Mounted Collector**

Indicate distance from the solar collector to the dwelling and property lines



| Dimensions |
|------------|
| A =        |
| B =        |
| C =        |
| D =        |

|  |   |                             |
|--|---|-----------------------------|
| Installation Type                                  |   |                             |
| <input type="checkbox"/> Residential               | <input type="checkbox"/> Commercial             |                             |
| Type of Collector                                  |   |                             |
| <input type="checkbox"/> Evacuated tube            | <input type="checkbox"/> Glazed flat panel      | <input type="checkbox"/> PV |
| Total Area ( <i>indicate sq. ft. or sq. m.</i> ) = |   | Number of panels/tubes =    |
| Mounting Type on Roof                              |   |                             |
| <input type="checkbox"/> Surface                   | <input type="checkbox"/> Raised                 |                             |
| Solar Energy will Supplement                       |   |                             |
| <input type="checkbox"/> Domestic hot water        | <input type="checkbox"/> Space heating          |                             |
| Existing Energy Source Being Supplemented          |   |                             |
| <input type="checkbox"/> Electric                  | <input type="checkbox"/> Oil                    |                             |
| <input type="checkbox"/> Wood                      | <input type="checkbox"/> Other (please specify) |                             |

## Approval Requirements

- a completed Solar Collectors brochure
- an engineered design including mechanical connection details of the solar collectors to the roof
- plans indicating if any structural alterations are required
- plumbing schematics may be required (including backflow prevention devices if applicable)
- confirmation the system design is in accordance with *CAN/CSA F379 (Packaged Solar Domestic Hot Water Systems)*
- alternative designs may be considered but must demonstrate equivalent or superior performance to systems certified under the most recent edition of *CAN/CSA-F379*
- two inspections are required upon installation. However, a rough in and final inspection may be undertaken during one site visit. Your Municipal Inspector may require additional site visits depending on the system complexities
- installation should be in compliance with *CAN/CSA F383 (Installation of Packaged Domestic Hot Water Systems)* and may require confirmation

## Frequently Asked Questions

### *What do I need to apply for a permit?*

- a completed permit application
- a copy of plans showing system design including all structural and plumbing elements
- a completed Solar Collectors brochure

### *How long will it take to obtain a permit?*

With a complete application, every effort is made to review an application permit within 5 business days. You may call at any time to inquire about the status of your application. Please remember to have your application number when making inquiries or submitting additional information.

### *How much will my permit cost?*

The solar collector installation permit fee is \$150.00.

### *Where can I submit an application for a permit?*

HRM Customer Service Centres at the following locations:

- 636 Sackville Drive (Acadia Centre) in Sackville, 869-4380
- 7071 Bayers Road, Suite 2005 (Bayers Road Centre) in Halifax, 490-5650
- 40 Alderney Drive (Alderney Gate) in Dartmouth, 490-4490

### *Do I need to call for an inspection?*

Yes. Once the permit is issued and the system is installed, you are required to call for an inspection. An inspection can be requested by calling the inspection line for your region before 8 a.m.:

- Western Region (Halifax) 490-7097
- Central Region (Sackville) 869-0062
- Eastern Region (Dartmouth) 490-4553