

Documentation of SDHW Certified Plans

Folder No.	Date (yyyy-mm-dd)
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District Offices

<input type="checkbox"/> Toronto and East York	<input type="checkbox"/> North York	<input type="checkbox"/> Scarborough	<input type="checkbox"/> Etobicoke York
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Product Information

Product Name	Installation Type: <input type="checkbox"/> Flat Roof <input type="checkbox"/> Sloped Roof	No. of Collectors
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System Manufacturer Information

Business Name

Contact for Technical Information on the SDHW System

First Name	Last Name	Telephone No.
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System Information

System Class	System Subclass	Freeze Protection	System Package Type
<input type="checkbox"/> Solar Preheat System	<input type="checkbox"/> Integrated Collector Storage System	<input type="checkbox"/> Closed Loop (Antifreeze) System	<input type="checkbox"/> Factory Packaged CSA Certified
<input type="checkbox"/> Solar Plus Supplemental System	<input type="checkbox"/> Thermosyphon System	<input type="checkbox"/> Drainback System	<input type="checkbox"/> Factory Add-on Package
<input type="checkbox"/> Solar Only System	<input type="checkbox"/> Forced Circulation System	<input type="checkbox"/> Draindown System	Must be certified to CSA 379
	<input type="checkbox"/> Direct Circulation System	<input type="checkbox"/> Seasonal Usage Only	<input type="checkbox"/> Non-packaged Standard System
	<input type="checkbox"/> Indirect Circulation System		Complete section below for systems not CSA certified

System is certified to CSA 379, please specify Certification No.: _____

Systems not CSA Certified

This section must be completed for systems that are **not** certified to **CSA F379**.
Check all boxes that apply and supply support documents.

The system is:

Not tested or certified as a packaged system;

Certified to one of the following:

SRCC OG300, Certification No.: _____

Solar Keymark, Certification No.: _____

Tested (but not certified) to one of the following:

CSA F379

SRCC OG300

Solar Keymark

Other (please specify):

Other (please provide details):

Continue on next page.

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Heat Transfer Loop Information

Heat Transfer Fluid: <input type="checkbox"/> Water <input type="checkbox"/> Propylene Glycol <input type="checkbox"/> Other (specify below)		If Propylene Glycol, indicate dilution level: % Water: _____ % Glycol: _____
		Type of Propylene Glycol used (food grade or with additives):
Size of Solar Water Tank (litres)	Volume of Heat Transfer Fluid (litres)	Solar Water Tank/Solar Collector Area Ratio (l/m ²)
Heat Exchanger Type (if applicable): <input type="checkbox"/> Internal (in tank) <input type="checkbox"/> External (stand alone) <input type="checkbox"/> Single-walled <input type="checkbox"/> Double-walled <input type="checkbox"/> Stainless Steel <input type="checkbox"/> Copper <input type="checkbox"/> Other (please specify):		

Collector Information

Collector Manufacturer	Collector Name			
Collector Type: <input type="checkbox"/> Glazed Flat Plate <input type="checkbox"/> Evacuated Tube Storage <input type="checkbox"/> Integrated Collector <input type="checkbox"/> Concentrating <input type="checkbox"/> Other (please specify):				
<input type="checkbox"/> Solar Collectors are not tested or certified;				
<input type="checkbox"/> Solar Collectors are certified to one of the following: <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"><input type="checkbox"/> CSA-F378</div> <div style="width: 30%;">Certification No.: _____</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"><input type="checkbox"/> SRCC OG100</div> <div style="width: 30%;">Certification No.: _____</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"><input type="checkbox"/> ISO 9806-1</div> <div style="width: 30%;">Certification No.: _____</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"><input type="checkbox"/> EN 12975-1,-2</div> <div style="width: 30%;">Certification No.: _____</div> </div>				
<input type="checkbox"/> Tested (but not certified) to one of the following: <input type="checkbox"/> CSA-F378 <input type="checkbox"/> SRCC OG100 <input type="checkbox"/> ISO 9806-1 <input type="checkbox"/> EN 12975-1,-2 <input type="checkbox"/> Other (please provide details):				
<input type="checkbox"/> Collectors are listed on the NRCan list of eligible solar collectors for the ecoENERGY for Renewable Heat Program				
Collector Size (width x height) (m ²)	No. of Collectors	Total Gross Collector Area (m ²)	Amount of Heat Transfer Fluid per Collector (litres)	Total Weight when filled with Heat Transfer Fluid (kg)

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Submission Requirements For Solar Domestic Hot Water (SDHW) Systems:

- Engineer's Letter re-compliance to the Ontario Building Code:
 - Structural Compliance letter
 - Mechanical Compliance letter (if not CSA Certified)

Mechanical Information

For all Systems:

- Copy of homeowner manual – must conform to CSA F379 section 10.

If CSA certified submit:

- CSA certificate of compliance – complete documentation.
- Mechanical drawings – showing all components.

If not CSA certified submit:

- Stamped mechanical drawings; showing all components.
- Heat transfer fluid spec sheet, instructions for use, and/or safety labels for the heat transfer fluid.
- System labels-must conform to CSA F379 section 9.

Structural Information

- Stamped structural drawings showing all structural components and connections to the roof including a span table.
- Detailed structural calculations.
- Technical specification of the sealant or gasket used at the roof penetration points.

Flat Roof

- Stamped structural drawings showing all structural components and connections to the roof including a span table.
- Detailed structural calculations.
- Technical specification of the sealant or gasket used at the roof penetration points.

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