

Solar Domestic Hot Water (SDHW) System Building Permit and Submission Requirements



Building Permit Requirements for Non-Packaged SDHW Systems:

- A professional engineer licensed in the Province of Ontario shall certify that the proposed Non-packaged Solar Domestic Hot Water (SDHW) System conforms with the intent of CSA F379.1-09, the referenced standards applicable to SDHW components listed in Table 1 of the standard and the intent of the requirements for SDHW systems in the Ontario Building Code. Building permit submission documents shall include a statement of compliance to the above reference documents.

Building Permit Requirements for Factory Packaged SDHW Systems:

- Packaged SDHW systems in possession of a Certificate of Compliance from CSA International in accordance with CSA F379.1-09, Solar Domestic Hot Water Systems (Liquid to Liquid Heat Transfer) are exempt from requirements above.

Installation Requirements for both Non-Packaged and Factory Packaged SDHW Systems:

1. Installation of the system shall be undertaken by a qualified installer certified by the Canadian Solar Energy Industry Association. (<http://www.cansia.ca/>) As an interim measure to obtaining installer certification from CANSia the installation shall comply with item 2 below.
2. Compliance of the installation to “good engineering practice” shall be confirmed by a professional engineer licensed in the Province of Ontario.

For more information on obtaining a building permit for the installation of solar collectors please refer to the following guidelines;

Solar collectors on Low Rise Residential Buildings (linked document)

For the installation of solar collectors on large (Part 3) buildings please contact the Building Code Services Branch at 613-580-2424 extension 14259 or buildingpermits@ottawa.ca.

References

- CSA F379.1-09 Solar Domestic Hot Water Systems (Liquid to Liquid Heat Transfer)
- CAN/CSA-F383, Installation Code for Solar Domestic Hot Water System