

Oxford Gardens Retirement Village Solar Thermal Project

Oxford Gardens Retirement Village is now at the forefront of green energy with the installation of the largest solar thermal system in Canada.

Solar Thermal (water) Installation is a closed loop system where solar panels are put on the roof of the facility to collect heat. The sun heats the fluid (50% polypropylene glycol) inside the solar panels and that is then converted into heating water. The system will provide hot water for the facility, supply heat and cooling as well as heating the facilities swimming pool.

The system incorporates more than 1,200 meters of stainless steel pipe. Piping sizes on the project ranges from $\frac{3}{4}$ " at the collectors all the way up to 4" in the mechanical room. Shurjoint stainless steel couplings (SS-8) & fittings have been well received by Proterra the suppliers of the solar panels as well as Oxford Plumbing the mechanical installers. The expected life of the installation is 20 years, but the payoff is expected to be a couple of years.

location

Woodstock, Ontario, Canada



year

2010

application

HVAC

productline

VSH Shurjoint

architect

Building



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