

# Hi-Velocity Systems™

Small Duct High Velocity Heating, Cooling and IAQ Systems

## Hi-Velocity Systems Case Study

### Smith & Sons Hydronics, Langley BC

Every year the Children's Hospital has a Lottery for getting money for new equipment. We were proud to provide the heating and domestic system for the house. The house remains open for the public to view for a few months, and then the lottery is held to decide who the lucky winner is of the house and contents.



The Rinnai modulating boiler produces enough hot water to provide domestic and hot water for heating. This is done through a storage tank, which holds the water for the peak domestic demand, and also for the fan coil. The water is pumped through the Hi-Velocity fan coil using a bronze circulator, and all the piping is potable water approved.

The Hi-Velocity fan coil is located in the far corner of the basement and a plenum for the main and basement is located in the ceiling. The main floor has the vents installed in the floor and the basement is from the ceiling. Because the system is Hi-Velocity the heating works very well from the ceiling, unlike conventional systems. A main plenum is run up to the attic to supply ceiling vents for the upper floor. There is one return air per floor.



Submitted by Bill Bueschkens of Bush Sales Ltd., Agent for Energy Saving Products in B.C.



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