



City of Richmond
6911 No. 3 Road
Richmond, BC V6Y 2C1

Bulletin
Building Approvals Department
Building Inspections Section

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**Hydronic/Radiant Heating System
Inspection**

No.: BUILDING-10
Date: 1999-10-26
Revised: 2004-05-26

Purpose:

- To inform owners and contractors of City requirements for Hydronic Heating inspections.

Background:

- For several years now the City has been inspecting Hydronic Heating installations in one/two family dwellings and row housing with separate boilers in each unit.
- The "Guidelines for Hydronic Heating", published by the Hydronics Advisory Committee, has been utilized as the minimum standards for design and inspection.
- In December 1993 the Hydronics Advisory Committee formally registered under the Society Act as "The Residential Hot Water Heating Association of British Columbia".
- The latest available publication is the Fourth Edition of the "Guidelines for the Design and Installation of Hot Water Heating Systems".

Implementation:

- This Bulletin supersedes Building-04 dated 1994-02-14.
- Effective November 29, 1999, with the exception of priority zoning for domestic hot water, all hydronic/radiant systems for one/two family dwellings and row housing with separate boilers in each unit must be designed in accordance with the Fourth Edition of the Hydronic Guidelines.
- Priority zoning for spa/pool will be accepted with the hydronic heating and domestic hot water receiving first priority.
- The heat loss summary must be completed including consideration of all sections of the guidelines.
- The installation layout must include radiant panel design, baseboard lengths where utilized, and the design must be signed by the qualified heating designer.
- A boiler room layout must be submitted with all information required on the guidelines drawings and must be signed by the qualified heating designer. In general, only the drawings published in the Fourth Edition of the Hydronic Guidelines will be accepted.
- Changes to the boiler room drawing must first be reviewed and approved by the Residential Hot Water Heating Association of British Columbia.
- Should you have any questions, comments or suggestions concerning this bulletin please contact Mr. John Stephens, Supervisor, Plumbing/Gas Inspections at (604) 276-4326.