

Plumbing inspections are required during various phases of a project.

It is the responsibility of the permit holder to schedule all necessary inspections: [Building Inspection Scheduling](#).

The following information must be provided for all inspection bookings:

- Correct plumbing permit number
- Correct street address of the property to be inspected
- Type of inspection (choose from list below)
- For multi building sites include each plumbing permit number for each building being inspected
- For apartment buildings include the floor and unit numbers being inspected

The permit card provided at the time of permit issuance is to be posted in a location that is visible from the street and protected from weather. This card is to be posted before any work commences and is to remain posted until all permits are issued and the building has received final inspection.

Plumbing Inspections:

- **Underground Plumbing Inspection:**
After all underground Plumbing DWV Construction is complete, but **before** the placing of concrete or backfill.
(system must be filled with water and holding)
- **Radiant Heat Rough-In Inspection (SEPARATE PERMIT):**
After the installation of in slab radiant heat piping where required, but **before** the pouring of concrete slabs or toppings. This is a separate plumbing permit from the main plumbing permit.
- **Plumbing Rough-In DWV Inspection:**
After the installation of all above slab interior drain waste and vent piping is complete and a water test is installed (system must be filled with water and holding).
- **Water Pipe, Tubs and Traps Inspection:**
After water piping is installed and the system is placed under a 200psi test on the lines.
- **Final Plumbing Inspection:**
A final plumbing inspection must be performed on all plumbing permits including radiant heat **before** the final building inspection.

Hot Water Heating Inspection Requirements

The following is required to occur and be on site for all inspections being conducted for the installation of Hot Water Heating systems.

11995 Haney Place, Maple Ridge, BC V2X 6A9

Phone: 604-467-7311

Enquiries Only: BuildingEnquiries@MapleRidge.ca

Book An Inspection: <https://www2.mapleridge.ca/BIS>

Trade Permit Applications: PermitApplications@MapleRidge.ca

- Approved heat loss calculation, layout summary sheet and boiler diagram to be on site for inspection
- Calculate and record footage for each loop as they are installed
- Install permanent tag (not paper) on each loop showing footage, zone number and area loop serves
- Air test of 50psi +/- with marked gauge required for inspection
- Ridged conduit elbows required where piping enters and exits slab
- Balancing valves are required on all loops
- No in slab splices permitted unless pre-approved by inspector
- Due to higher heat loss at outside walls radiant piping must be run parallel to outside walls at maximum 15cm (6") on centre, supply piping must come from manifold to outside walls first
- Areas that have dividing walls and doorways and are controlled by the same thermostat must have loops designated room by room
- Designated loops cannot be extended to partial loops in other rooms except for en-suites, powder rooms, hallways, entrances and laundry areas
- Room combining is not permitted except as outlined in TECA's "Hydronic and Combo Guidelines" latest edition (8th edition)
- Tails from one room cannot be counted as heat for another area even when they are in the same zone
- Piping is not to be installed under cabinets or in pantries where food may be stored
- Piping is not to be placed near water closet connection to prevent possible failure of flange seal
- Holes for piping are to be oversized to reduce friction noise
- Wrap around mounting clips must be used (one-sided talon clips are not permitted in heating systems)

EVERY PERMIT IS ISSUED UPON THE CONDITION THAT:

1. Construction is to be started within 6 months from the date of issuance. An inspection on each permit is required and must pass within this time frame to verify construction commencement.
2. Construction is not to be discontinued or suspended for a period of more than 12 months.
3. The permit is no longer valid if conditions 1 and 2 noted above are not met.
4. An Occupancy Permit is required prior to moving contents or people into any building.

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5. If all sub-trade inspectors and works inspectors approve for provisional occupancy, a Provisional Occupancy Permit may be issued for a limited period of time. Permit and security fees are required.
 6. Occupancy of a building without first obtaining an Occupancy or Provisional Occupancy Permit may result in penalties as stated in the City's [Building Bylaw](#).
 7. For any inspections to be conducted, the permit package, all prior inspection slips and engineering reports must be on site for all inspections including plumbing, gas, electrical, building and sprinkler.
 8. For renovations or additions or where contents have been installed in a dwelling, a person of the age of majority must be present while inspections are being conducted. If no one is present or is underage, the requested inspection will not be completed.
 9. All pets must be secured prior to any inspector attending the site.
 10. Permit card must be posted as soon as construction commences. This card must be posted in such a position as to be clearly visible from the street at all times and protected from the weather.