



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.

- 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 50 PSI +/- 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 6" centers, 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; and
- 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).