

## Plumbing

1. If WC flanges for future bathrooms are installed at the rough-in they are required to have the built in test plug.
2. Combustible pipe **cannot** be located in a vertical shaft.
3. Commercial projects shall have all water and DWV piping tested as per the National plumbing Code of Canada 2005.
4. Testable Backflow Preventers shall be installed as per Plumbing Code and referenced documents. **(Not more than 1500 mm off of the floor or platform as per B64.10-07/B64.10.1-07).**
5. Shock arrestors are to be installed on appliances with solenoids or quick closing valves on them such as Dish Washer - Washing machine - ice maker - fixtures with flushvalves etc. This applies to **Residential** as well as **Commercial** installations.  
Please note that as per 2.2.10.15 of the National Plumbing Code of Canada 2005, shock arresters must be factory made and cannot be field constructed.  
**Plumbing Code Reference Clauses:**  
2.6.1.9. Water Hammer  
1) Provision shall be made to protect the *water distribution system* from the adverse effects of water hammer.  
**2.2.10.15. Water Hammer Arresters**  
1) Water hammer arresters shall conform to ANSI/ASSE 1010, "Water Hammer Arresters."
6. The box to cover the main clean out must be in place at the time of the groundwork/rough-in inspection. The box must be designed to prevent gravel and/or dirt from covering the BWV/Clean Out. If not installed the inspection will fail and a reinspection fee will be charged.
7. Tubs and showers must be in place for the above grade rough-in inspections.
8. As per the plumbing code the discharge pipe from **every** pumped sump shall be equipped with a **union, a check valve and a shut-off valve installed in that sequence in the direction of discharge.**  
When installing the weeping tile sump consider the depth of the sump. In some situations such as walk out basements the sump can be quite deep. If the sump is more than one sump barrel deep install the union so it can be reached from the basement floor and attach a rope or cable so the pump can be removed without lifting it by the discharge pipe or electrical cord.
9. Call for reinspections when corrections have been completed.



**Building Inspection Services** ensures compliance with the Safety Codes Act and all related Building Codes, Standards and applicable By-laws. We work to safeguard the health and safety of Lethbridge residents through Building, Mechanical, Plumbing and Electrical permits and field inspections.