

Basement waterproofing system



1. Double interior perimeter drainage

- First the perimeter of the floor slab is removed - the concrete is cut and removed inside the basement along the exterior walls approx. 8'' - 12'' wide. An "L" shape dimple core is installed between the foundation wall and the footing. The purpose of the dimple core is to create space between the edges of the basement floor and wall and across the footing, allowing all the water from the perimeter and the walls to drain into the pipe drainage system

- Next is installed the best most reliable approach - the pipe system, which is engineered specially for flooded basements. The pipe is laid over 8''-10'' of clean stone. A vapor barrier is installed below the slab that prevents water and vapor from seeping through the concrete. Any water from the footing wall joint and under the floor slab is drained away through the pipe system into a sump pump system.



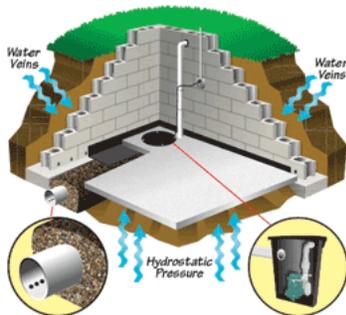
2. Sump Pump

We install the best finest pump available - a high end 1/3 HP Zoeller M53 cast-iron pump with a mechanical float switch. It pumps 2200 gallons per hour at 8 foot discharge head. It runs smoothly and quietly. It resists clogging and can pump up to 1/2 inch solids.

The Basin: The basin is also very important. It is build to last from a heavy duty material. The basin has an airtight cover to keep odor, moisture, bug and radon gas seal. It helps to control noise and prevents children from playing or falling into the basin.

3. Battery back-up

The battery back-up system protects your investment in your basement from flooding if the power or circuit breaker fail. Also this system comes with automatic recharger ones the power is back. This will give a peace of mind when you are away from home



4. Floor Drain

This drainage is installed on the basement floor next to the pump. It allows water to drain down from the floor into the sump pump system in case of a broken pipe leak or water spillage. The floor drain allows the water to go down, but does not allow any damp air or odor to come up into your basement.

5. Supreme Safe sump pump system

This system includes a double pump system. If the first pump fails the second pump takes over (A Zoeller M98 1/2 HP cast-iron pump). In the worst scenario if the first pump can not keep up with the amount of water, the second pump goes on adding capacity to your system.

6. Pump check valve

The sump pump check valve keep the water that is still in the discharge line from returning to the sump pump basin. This device extends the life of the sump pump.

7. High water alarm

This alarm can be installed with or without a battery back-up system. It gives you a warning signal like a smoke detector for any pump failure or problem before any real damage occurs. This is a professional hard wired alarm that works on similar principle as the hard wired smoke detectors. It gives you peace of mind guaranteed.