

THINGS TO KNOW BEFORE YOU POUR.

Did you know?

Loop: A single run of pipe to distribute heated water through a floor for heating.

Zone: A combination of 1 or more "loops" controlled together to create an independantly controlled temperature.

Loops of 1/2" pipe should not exceed 300 feet.

Loops of 5/8" pipe should not exceed 400 feet.

Boiler water entering a concrete floor should never exceed 120 degrees F.



CONSIDER THESE POINTS BEFORE POURING YOUR CONCRETE FLOOR

Whether you're planning for floor heat right away with your new shop or home or just want to be "floor heat ready" for the future:

Insulate under your concrete (min. code R5), vapor barrier is also required.

Have a professional provide a LoopCAD drawing of the pipe layout based on the heat loss analysis and building design. These services are free when you buy your heating system from Heat Innovations!

If you want zones, now is the time to decide and plan for it. It is also a good time to consider your drain placement and/or any condensate drain ie. Gas boiler.

Pipe should be evenly spaced throughout the floor, and loops should be the same length in each zone. Rule of thumb is 12" spacing.

Although other options are acceptable, it is best practice to lay the pipe below the rebar.

Always pressurize the pipes with air before the pour, and keep it pressurized until well after the pour is complete. Have a repair kit on hand in case of accidental puncture during the pouring process.

Always use some form of pipe protection where the pipe comes out of the floor to prevent damage while troweling.

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