

Installation

The LEGALETT Air-Heated GEO-Slab (Structural Slab-on-Grade) or Buried Foundation Employs Standard Building Components such as Furnaces, Piping, Insulation, Concrete, and Can Be Built By Do-It-Yourself Individuals with Minimal Supervision.

LEGALETT System Installation Photographs - Work in Progress

The following photographs provide a pictorial description of the installation of a typical LEGALETT Foundation Radiant Floor Heating System.



1. Strip topsoil and place 3/4" clear stone. Compact, smooth and level.



2. Locate and place plumbing risers and all other under slab services.



3. Lay out edge elements



4. Install first layer of polystyrene insulation board.



5. Install second layer of polystyrene insulation board, offsetting the joints



6. Install the bottom layers of wire mesh on chairs as per drawings (perimeter or bearing walls only)



7. Install furnace boxes as per drawings and Product Data Sheets.



8. Cut and install piping



9. Insulate ductwork as per drawings



10. Complete installation of piping



11. Install the top layer of wire mesh, and other rebar as per drawings



12. After inspection by LEGALETT installer, place concrete using vibrator.



14. Keep top of slab moist for 3 days to minimize shrinkage cracking



13. Steel trowel surface using power trowels. Hand trowel around furnace boxes.



15. A LEGALETT construction heater can be used during and after placing the concrete and needs to be run for 2 weeks before flooring material installation or permanent insert installation