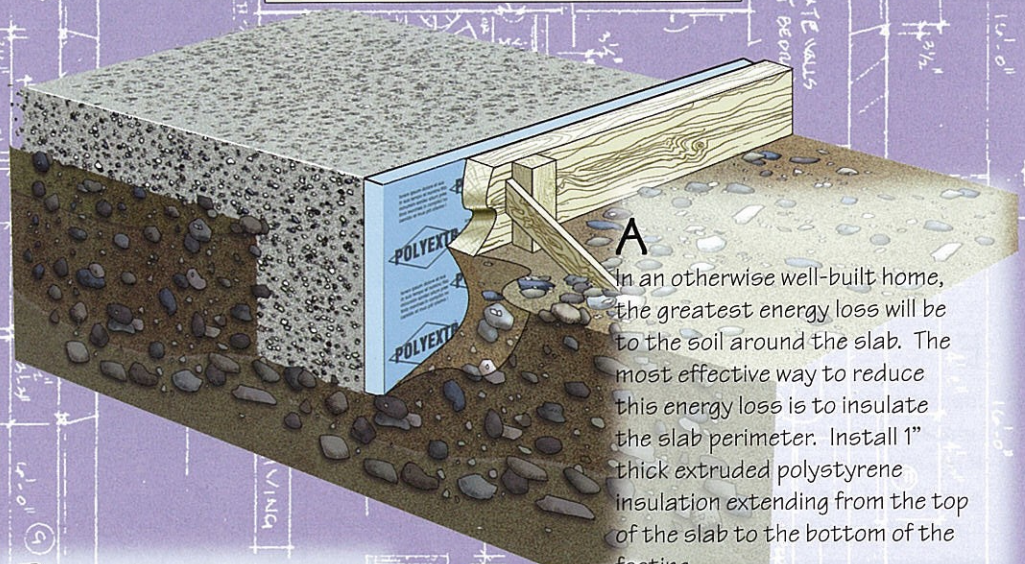
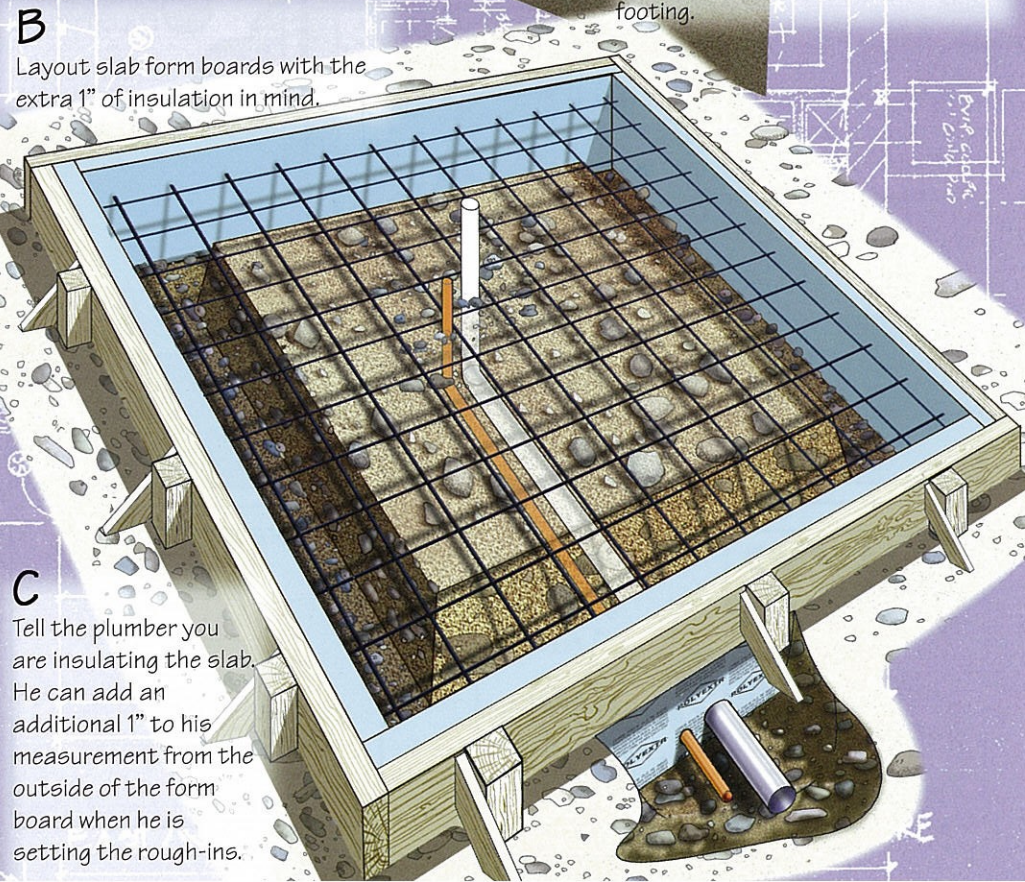


PERIMETER SLAB INSULATION



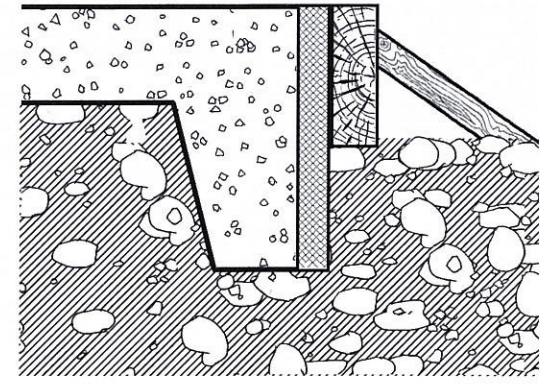
A In an otherwise well-built home, the greatest energy loss will be to the soil around the slab. The most effective way to reduce this energy loss is to insulate the slab perimeter. Install 1" thick extruded polystyrene insulation extending from the top of the slab to the bottom of the footing.



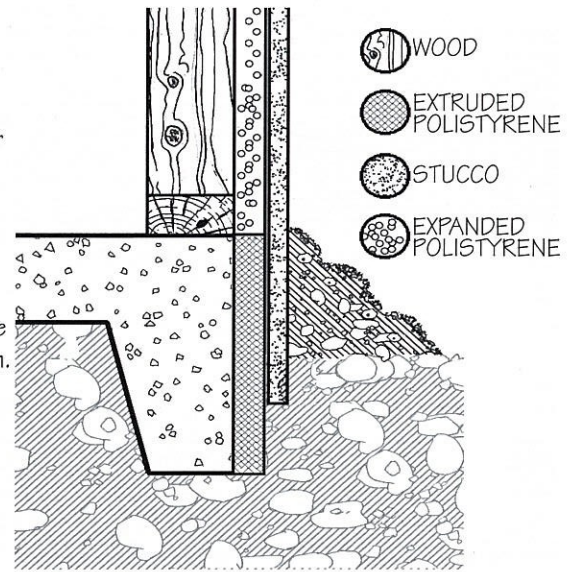
B Layout slab form boards with the extra 1" of insulation in mind.

C Tell the plumber you are insulating the slab. He can add an additional 1" to his measurement from the outside of the form board when he is setting the rough-ins.

D Minimize breakage by leaving the form boards in place until the exterior walls are set or, protect traffic areas with plywood ramps and earth berms.



E Insulate around heated and cooled spaces wherever structurally feasible. If possible, consider separate pours for garage and porch areas. Otherwise, insulate the perimeter of the entire slab.



F Protect exposed insulation above grade from sunlight and weather degradation. Coat with stucco or cover with other protective layer of material.

References:
http://eber.ed.ornl.gov/Residential_Products/DOE%20slab%20insulation.pdf
http://www.energycodes.gov/support/slab_fa_q.stm
http://www.eere.energy.gov/consumer/your_home/insulation_airsealing/index.cfm/mytopic=11490

For more information: