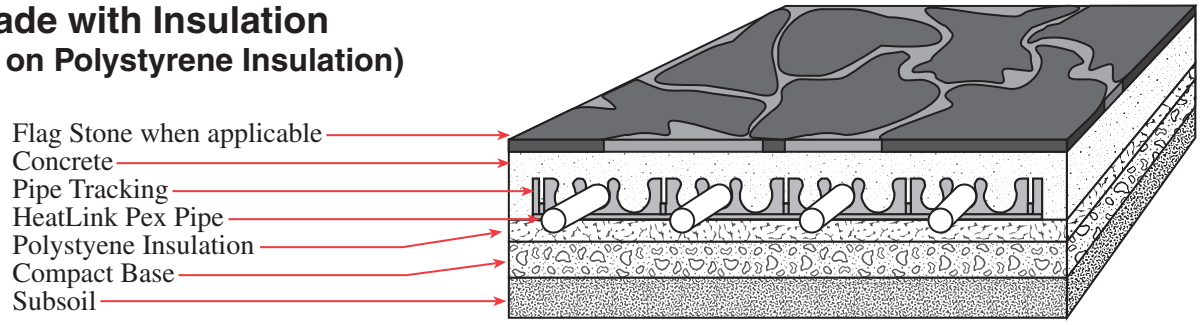
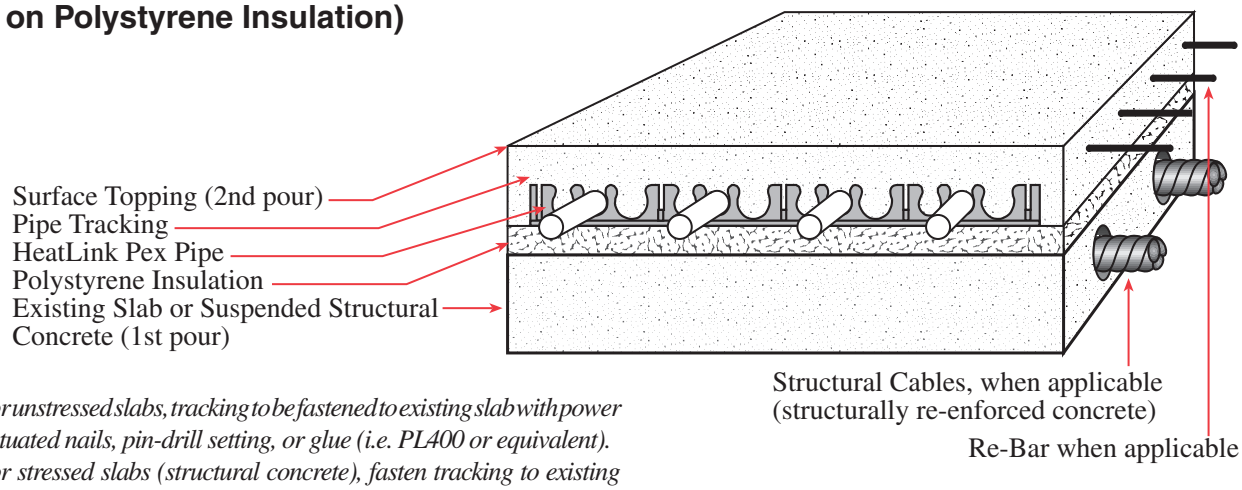
Ongrade with Insulation
(Track on Polystyrene Insulation)

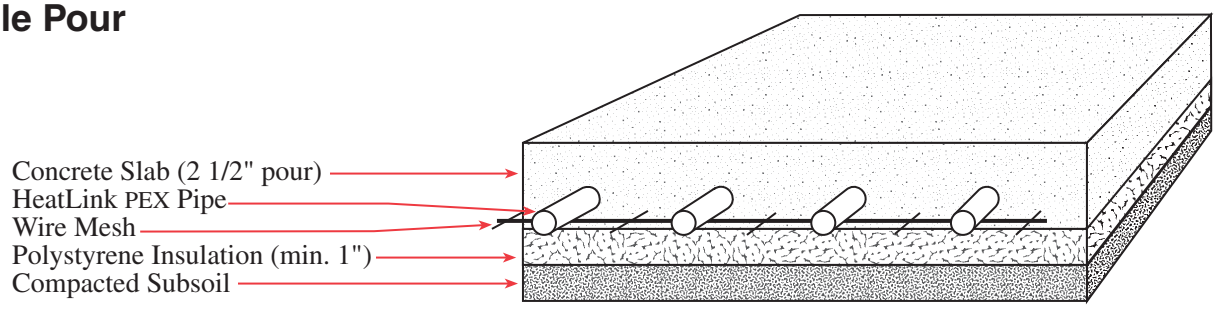


Structural Slab with Sandwiched Insulation
(Track on Polystyrene Insulation)

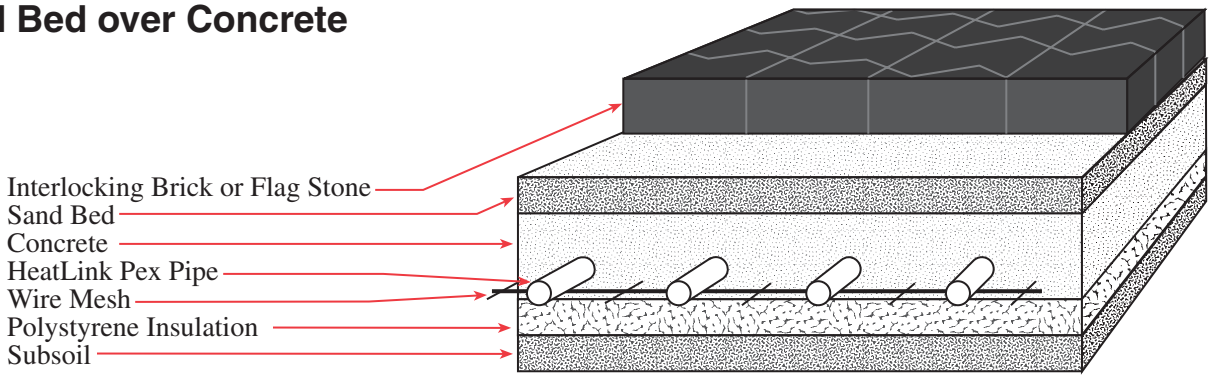


Note: For unstressed slabs, tracking to be fastened to existing slab with power actuated nails, pin-drill setting, or glue (i.e. PL400 or equivalent). For stressed slabs (structural concrete), fasten tracking to existing slab with glue (i.e.. PL400 or equivalent).

Single Pour



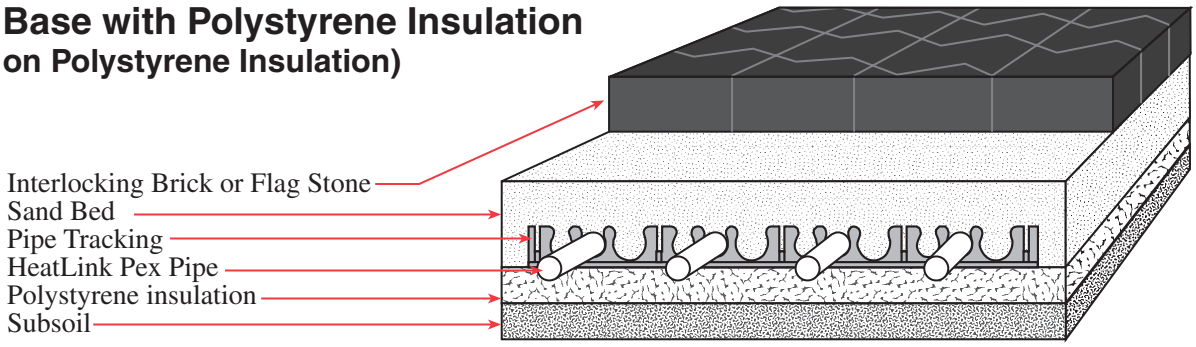
Sand Bed over Concrete



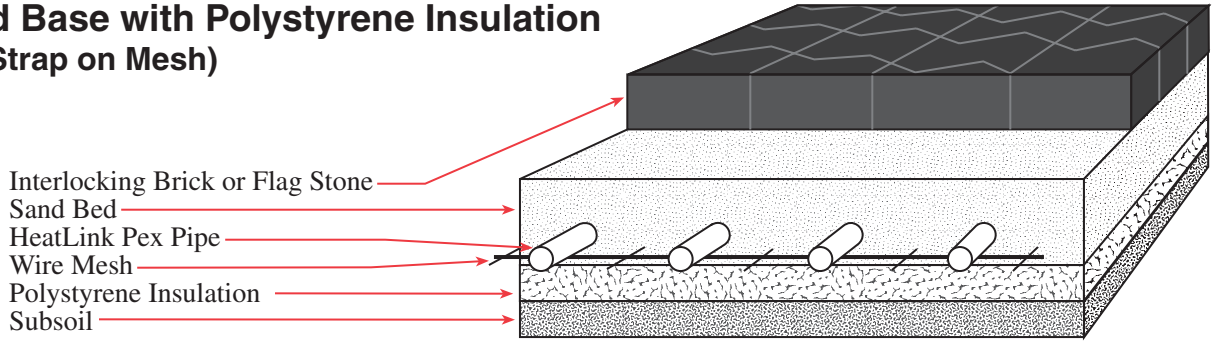
Heat Link®
www.heatlinkgroup.com

Snowmelt Cross Section Details
November 22, 1999 - **SNOW 1.2b**

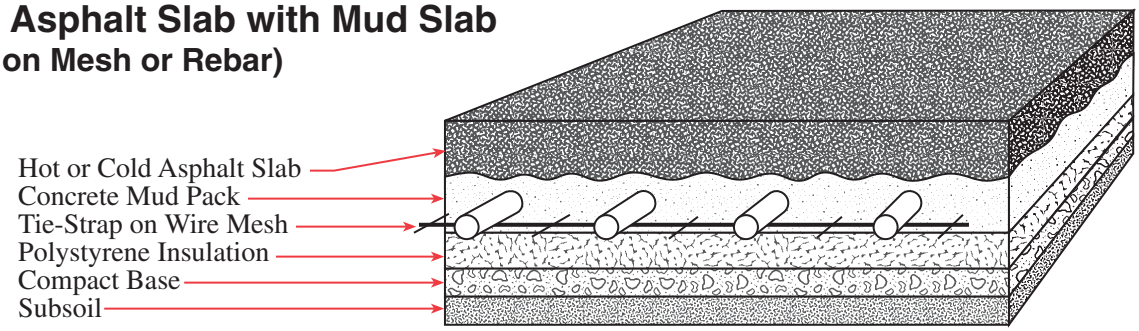
Sand Base with Polystyrene Insulation
(Track on Polystyrene Insulation)



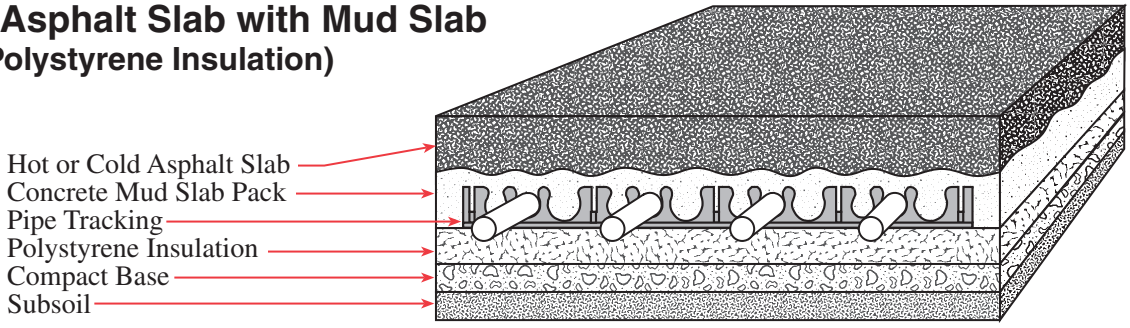
Sand Base with Polystyrene Insulation
(Tie-Strap on Mesh)



Hot/Cold Asphalt Slab with Mud Slab
(Tie-Strap on Mesh or Rebar)



Hot/Cold Asphalt Slab with Mud Slab
(Track on Polystyrene Insulation)

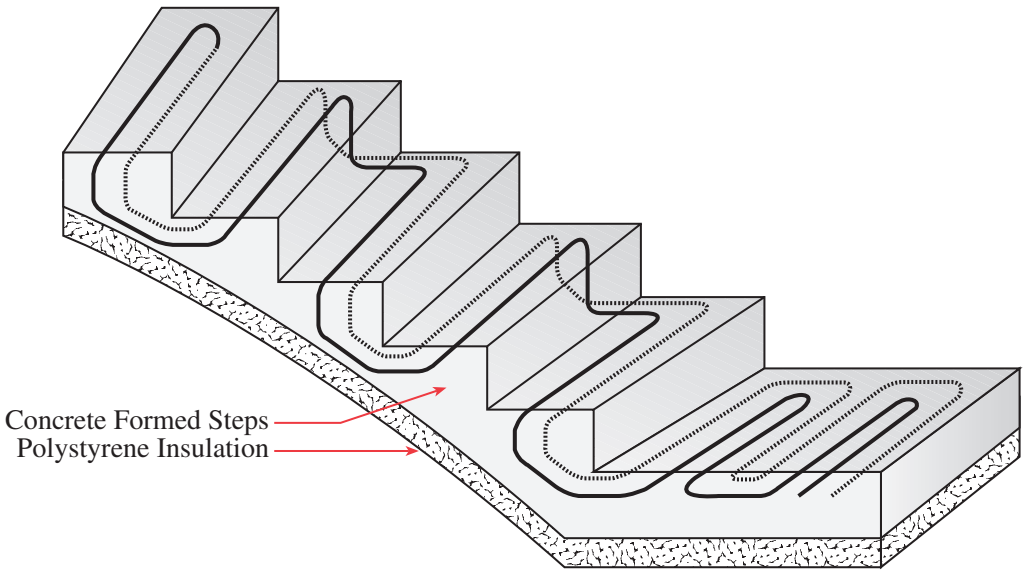


Note: For any moisture which may be present in subsoil, both a vapor barrier plus polystyrene insulation is required.

Snowmelt Cross Section Details

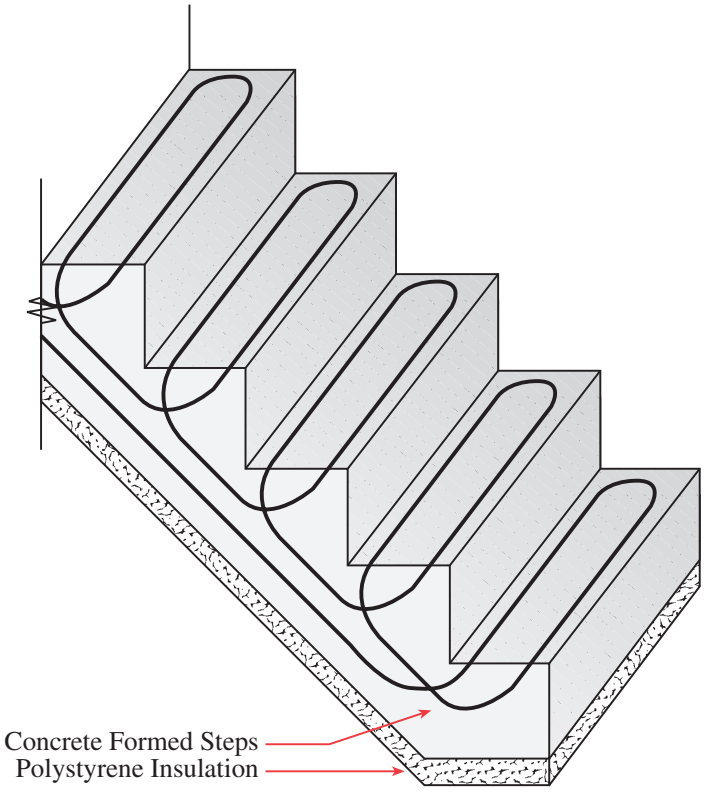
November 22, 1999 - **SNOW 1.2c**

Method 1:

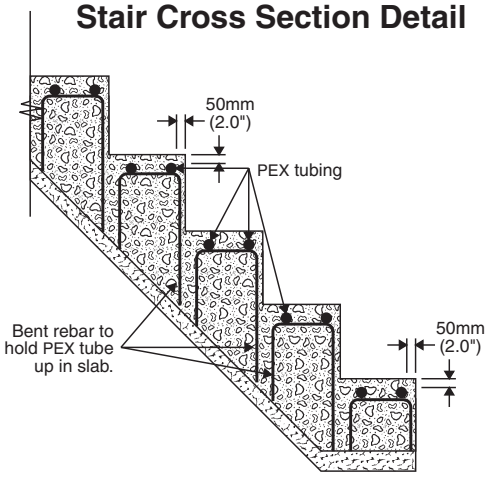


Note: - Pipes must run parallel to steps
- Evenly space two pipes per step ensuring outer pipe is no more than 2" from edge of step
- Keep pipes no lower than 2" below tread surface
- Loop length is critical; please confirm with your heating designer.

Method 2:



Stair Cross Section Detail



Note: The piping pattern shown is similar to that of an under subfloor or dry system. **It is critical that placement of the piping to the leading edge of the steps is no more than 2" from the front and top of the step.** This will allow as much heat as possible to migrate to the step edges to prevent an ice cap from forming on the leading edge of the step. A 1-1/2" maximum distance is important when a paving stone or cast slab is placed on the step; the final distance from tubing to finished stone edge should be no more than 2".