

Montgomery County Building Regulations Residential Drawing Standards:

- Submit two sets of construction documents
- All drawings must be drawn to a recognizable scale, such as 1/4"= 1'-0" for the floor plans
- All sheets must include the owner's name and project address
- All sheets must include the name and contact information of the person who prepared the drawings
- All sheets must be dated

Drawing Revisions: (submitted after the permit is issued)

- All revisions must be circled or clouded, in order to see the changes clearly
- All revisions must be dated
- Information which did not change as a result of the revision need not be resubmitted

Geothermal Checklist: *These lists indicate common elements that must be submitted for this project type. Individual projects vary & may require additional information. If unsure of the project requirements, contact Building Regulations.*

Closed Loop:

- Dimensioned site plan, to scale, locating manifold, trench locations, lengths and distances between the trenches.
- Manual J form showing heating and cooling demand.
- Computerized loop sizing calculations software printout.
- Cross section through trench.
- Manifold diagram showing first in, last out.

Closed Loop Horizontal Bore:

- Dimensioned site plan, to scale, locating manifold and bore locations, lengths, distances between the bores and the point where they reach 10' apart.
- Manual J form showing heating and cooling demand.
- Computerized loop sizing calculations software printout.
- Section through bore length showing proposed depths.
- Manifold diagram showing first in, last out.

Inspection Requirements:

- Loop to be hydro-tested at a minimum 100 psi for 30 minutes, prior to backfilling trench.
- The manufacturers installation instructions must be on job site for inspection.
- When using directional bore, the equipment operator must sign an affidavit that the lines were installed per the approved plan. This affidavit must be given to the inspector on the job site at inspection.