Freshwater Aquaculture
Geothermal Feasibility Study: Raft River, ID

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Appendix
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Appendix A – Equipment sources

**Aquaculture Tank Heating**
- 5-tank heat exchanger 49NT40 AES
- temperature controller, electronic, immersion sensor 6XJ74 G
- control valve, hydronic zone, 3/4” 2E991 G
- transformer, 115/24v, 40VA 4X746 G

**Ventilation Air Heating**
- Hot water coil, 2 row, 8FPI, 24”x48”
- Heat exchanger, brazed plate,
  - Control valve, hydronic zone, 3/4” 2E991 G
  - Thermostat, remote bulb 2E834 G
  - Relay, transformer, 24V 2E852 G
  - Circulating pump, 1/4hp 5YN65 G
  - Expansion tank, 2.1 gal 2P672 G
  - Air vent, automatic 4A821 G

**Building Space Heating**
- Unit heaters, hot water, 87,100 Btuh nominal 5YH19 G
- Zone valve, 3/4” 2E991 G
- Thermostat, 5E266 G
- Relay/transformer 2E852 G

**Main Loop**
- Circulating pump, 66 gpm, 1 1/2 hp, 5YN73 G
- Self powered valve
- Airtrol fitting, 1 1/4” 4UN90 G
- Pressure reducing valve 4A822 G
- Expansion tank, 20 gal 2P671 G

**Ventilation**
- Fan, propeller, 30” 1/2hp 7CC20 G
- Fan guard 6D586 G
- Wall shutter 1CO55 G

Note: All equipment should be verified for suitability and compliance with final system design and all applicable codes.

AES – Aquatic Eco Systems [www.aquaticeco.com](http://www.aquaticeco.com)