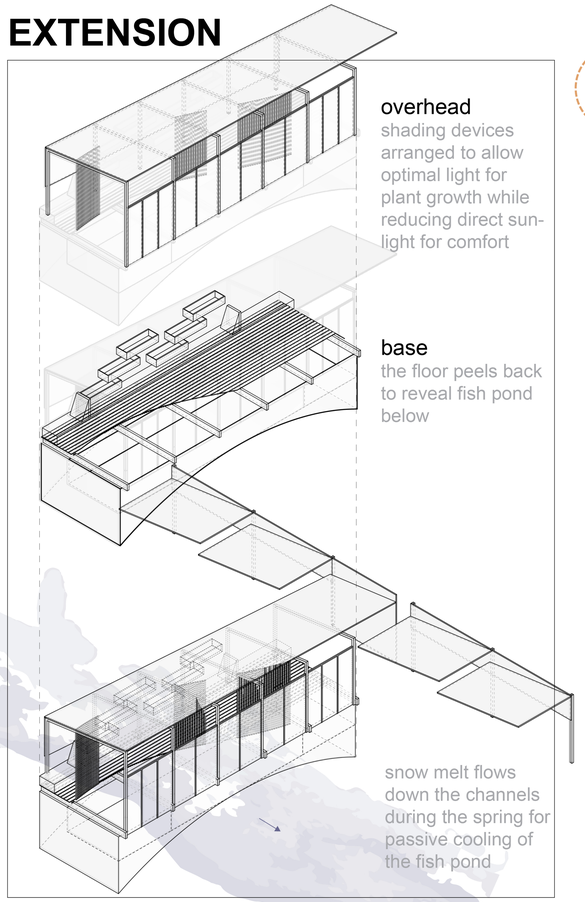
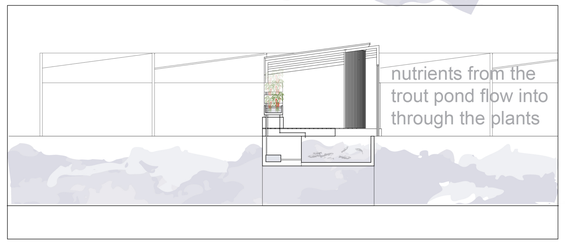
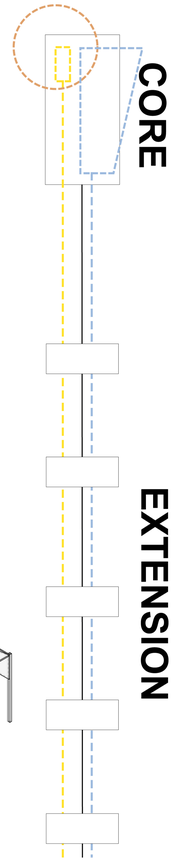
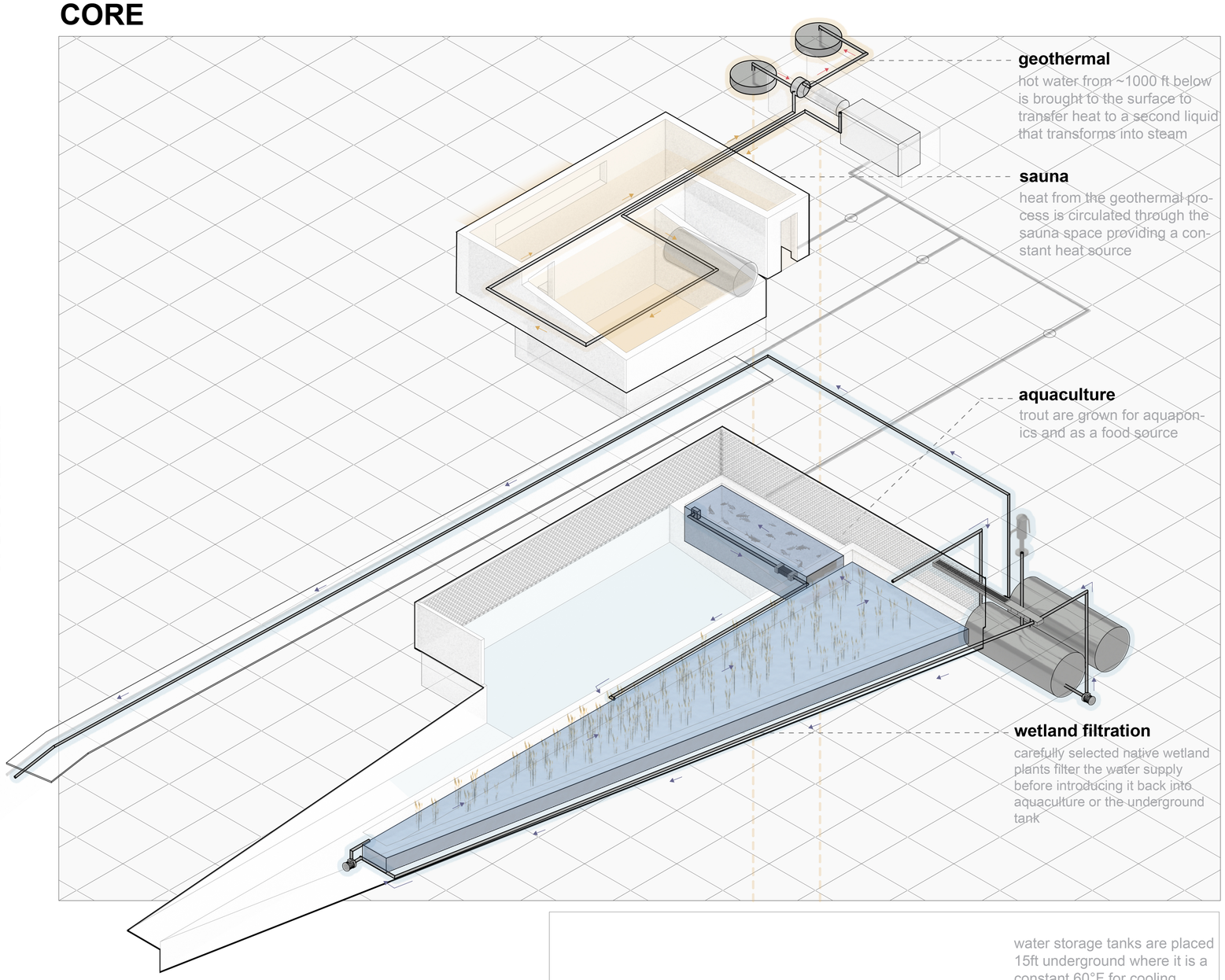
EXTENSION

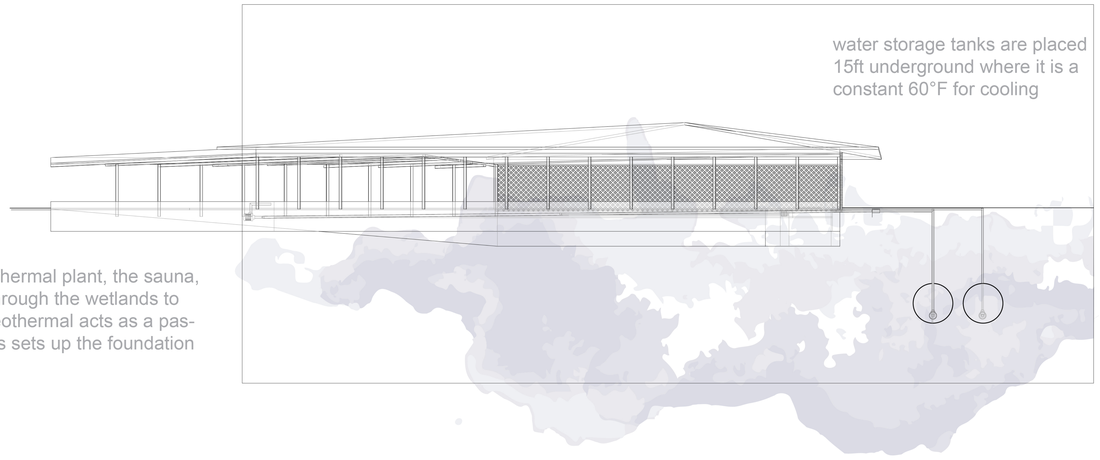






CORE





cycle heat
for sauna

produce energy
to pump water

filter water
to reuse

circulate water
to maintain temperature

sustain extensions
to grow vegetables

Our proposal is based on the geothermal potential on site. The energy this process produces is used to power infrastructure at the core (the geothermal plant, the sauna, and the wetland filtration/aquaculture site) and at the extensions (the modular aquaponic structures). Energy at the core is used to pump water through the wetlands to the aquaculture pool and storage tanks. By channelling the waste heat from the geothermal process through the sauna space, the piping from geothermal acts as a passive heat source. Energy and water is sent to the aquaponic structures at the extensions for food production. The combination of these processes sets up the foundation for food and relaxation experiences on Fly Ranch with attention to waste efficiency.