***WAGI : THE LAW OF THERMO – DINING***

*To live with the land without destroying it. The project implements three sustainable systems (geothermal, aquaponic, and wetland filtration), then overlaps these systems strategically to recycle the flow of waste, and lastly it integrates spaces for human occupancy within the infrastructure that supports these systems. Our goal is to create an extreme model for living with sustainable methods in a desert environment. We hope to inspire all participants through observation of the systems’ working parts, experience of sustainable practices, and the conversations that follow. Our hope is that this inspiration will carry forward in the endeavors of all participants.*

*We utilize the site’s geothermal potential on the upper high impact zone of the site act as the core of heat and power for the rest of the proposal. Using the infrastructure of the geothermal power we are able to provide a sauna space for bathing, relaxation and reflection, thus providing a programmatic benefit to harnessing geothermal power as well as a practical one.*

*While the geothermal energy provides the heat for the core of our system the wetland filtration system provides the water source for the project core. Underground water tanks and a wetland filtration system supply cool filtered water for distribution throughout the system extension pods in the hot summer months, while in the winter months we are able to draw on the residual heat form the geothermal system to distribute warmer water. Having such acute control of the temperature and purity of the site’s water at the core allows for the use of an aquaponic system on site to provide food for those who might inhabit the site and a controlled yet open space for individuals to collectively reap the benefits of resources native to fly ranch, ranging from trout to cattails.*

*In the summer months during peak growing season, warmed water flows from the core of the system to the aquaponic extension pods along the channel throughout the site to nourish the additional produce that is grown there. As a part of the aquaponic system these pods also provide a protected seasonal trout habitat. These pods provide a place of refuge from the site’s harsh conditions for the inhabitants of the site who are traveling up to the core of the system near Fly Geyser.*