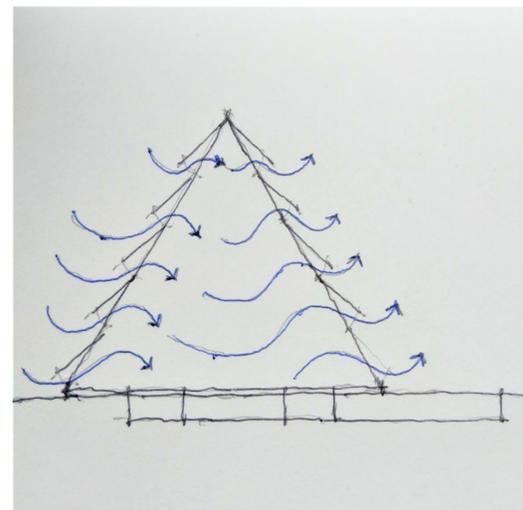
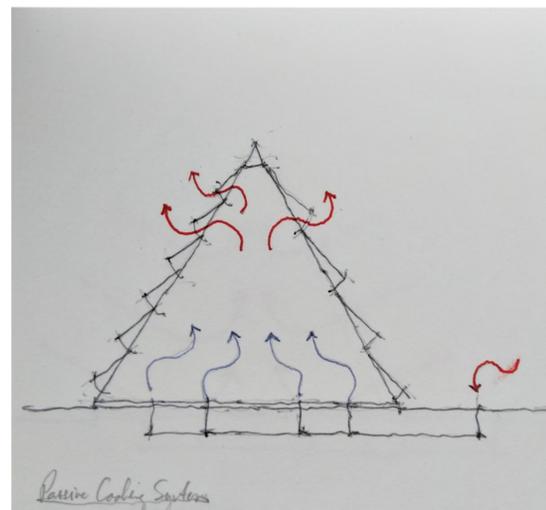
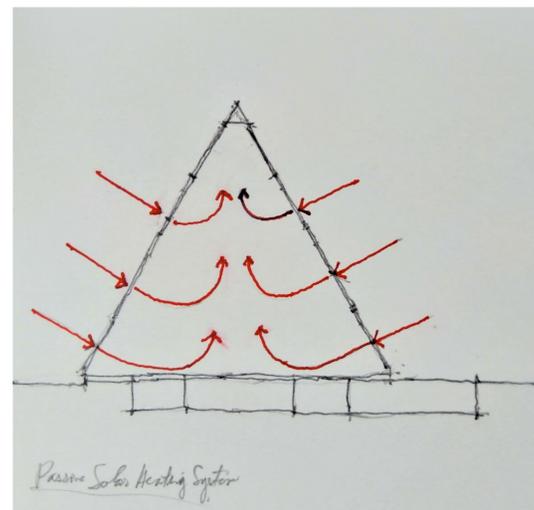
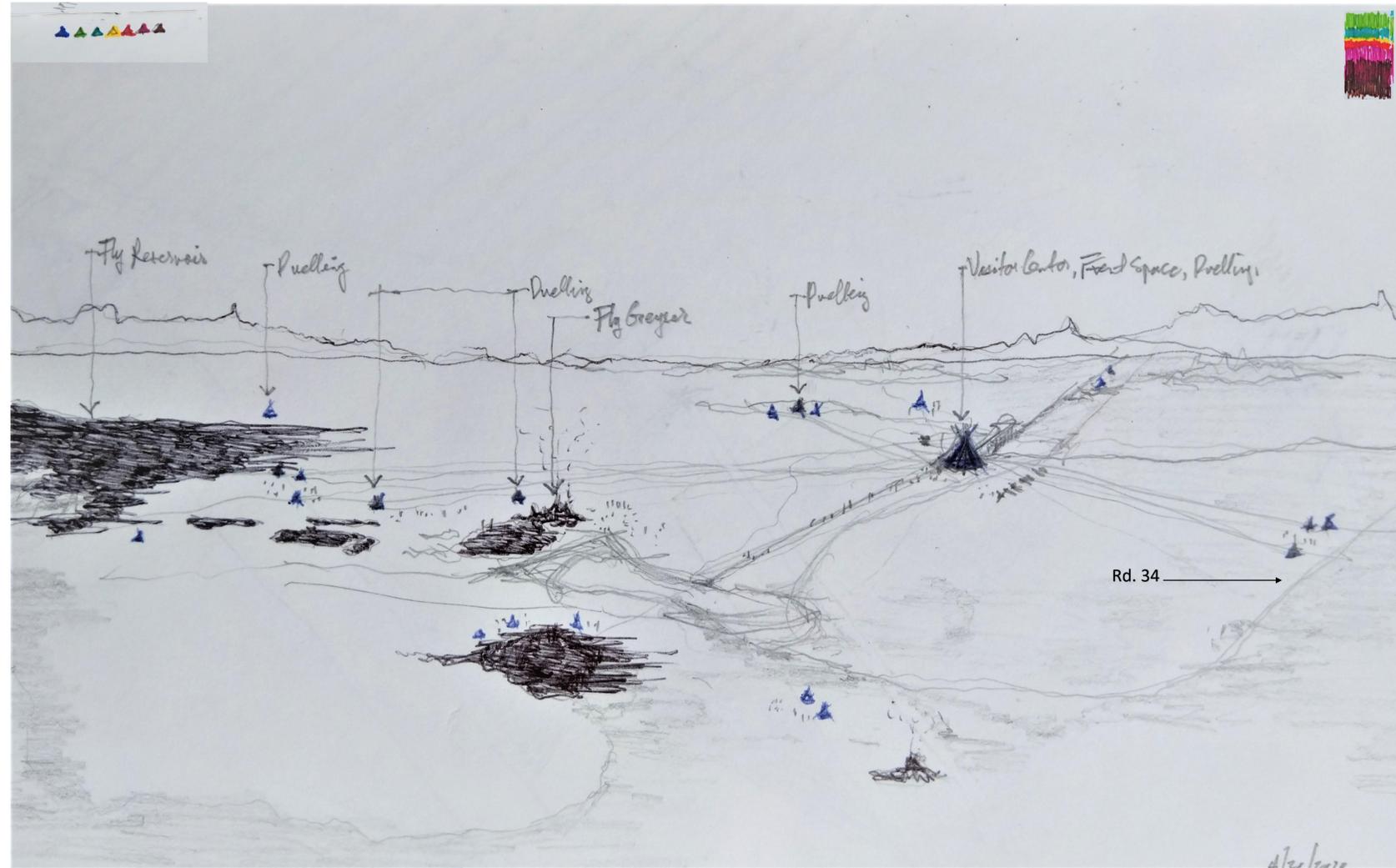


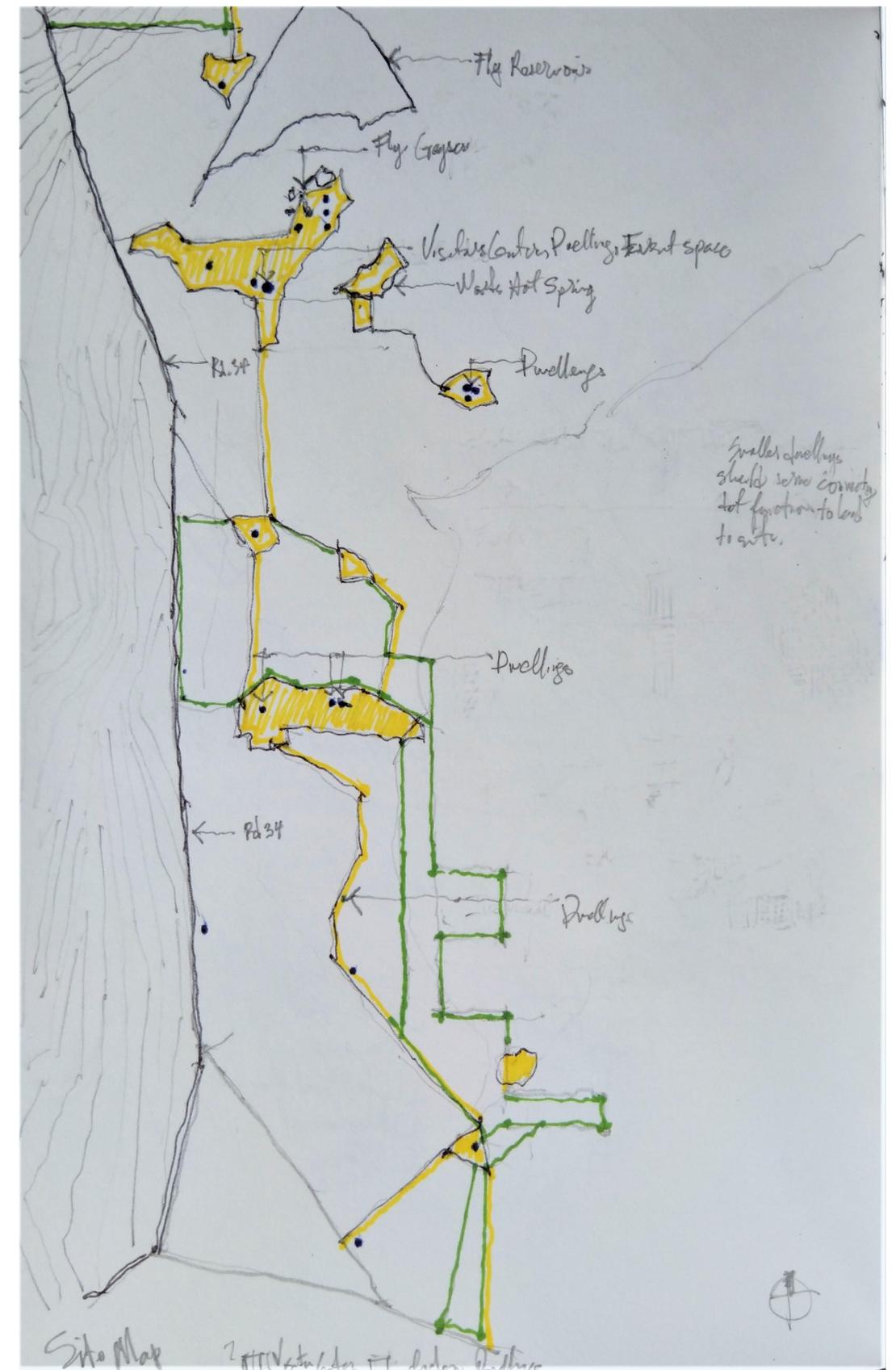
# 34 FLY RANCH



The Fly Ranch event space is inspired by the Wickiups, a tee pee like structure which the North American Indian Paiutes of the Numic group built for their large families to reside in and the concepts of the pre-contact lifestyle which was well adapted to the harsh desert environment. The 34 Fly Ranch scheme aims to capture the spirit and some of the available resources (with passive heat and cooling methods) of the surrounding mean while proclaiming its own identity. Furthermore, it serves as one of countless examples of the construction methods that can be adopted on site and an approach of connecting the guests with the land, a feature considered sacred by the Paiutes.



Indoor environmental comfort is achieved and controlled with a synchronized ventilation system. With a black coated (to increase air suction) skylight, air can be drawn from a piping system that feeds off cooler underground (about 4'-6' depth) temperatures. For example, on a sunny cold day at the ranch, the skylight/smoke vent is kept shut to avoid the heat from escaping the interior. On the other hand, on a warmer day, the heat within the space is released meanwhile extracting the cooler temperature from the piping system. On the long run, power could be generated onsite from either organic photovoltaic OPV sheets attached to the to the polycarbonate envelope or via a set of monocrystalline panels. A battery power storage unit system arranged to boast a maximum power of 5.0 kW and store about 13.5 kWh should be capable of powering the facility considering all mechanical and electrical loads



## SITE MAP

34 Fly Ranch is destined to be assembled approximately 100 feet from the Fly Geyser and the geothermal pools for two reasons:

- 1) According to the tradition, the tribes occupied a specific territory surrounding a lake or wetland.
- 2) The 34FR should gain the function of a landmark in order to lead visitors towards the main attraction found on the property, the Fly Geyser and the geothermal pools.

