

# specifications

## STRUCTURE

western red cedar timber  
charred for weatherability  
lightweight and economical  
100 year life expectancy  
100% biodegradable  
approx weight : 1,390 kg  
harvest source : 610 km

## COLLECTOR

dual-pane glass, blk interlayer  
with solar cell technology  
extremely durable  
100 year life expectancy (glass)  
30 year life expectancy (solar)  
100% recyclable (glass)  
approx weight : 1,100 kg  
manuf source : 625 km

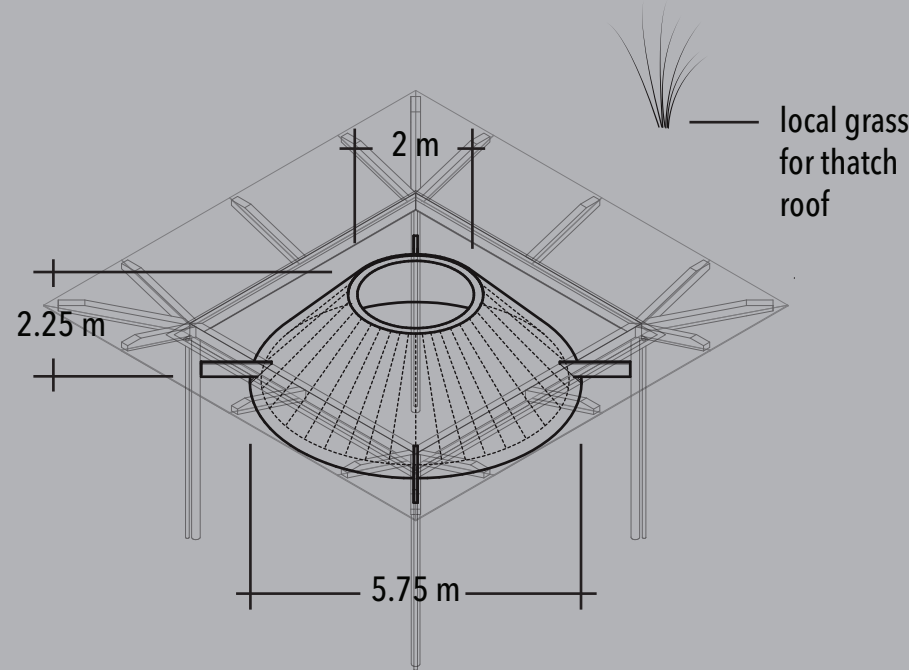
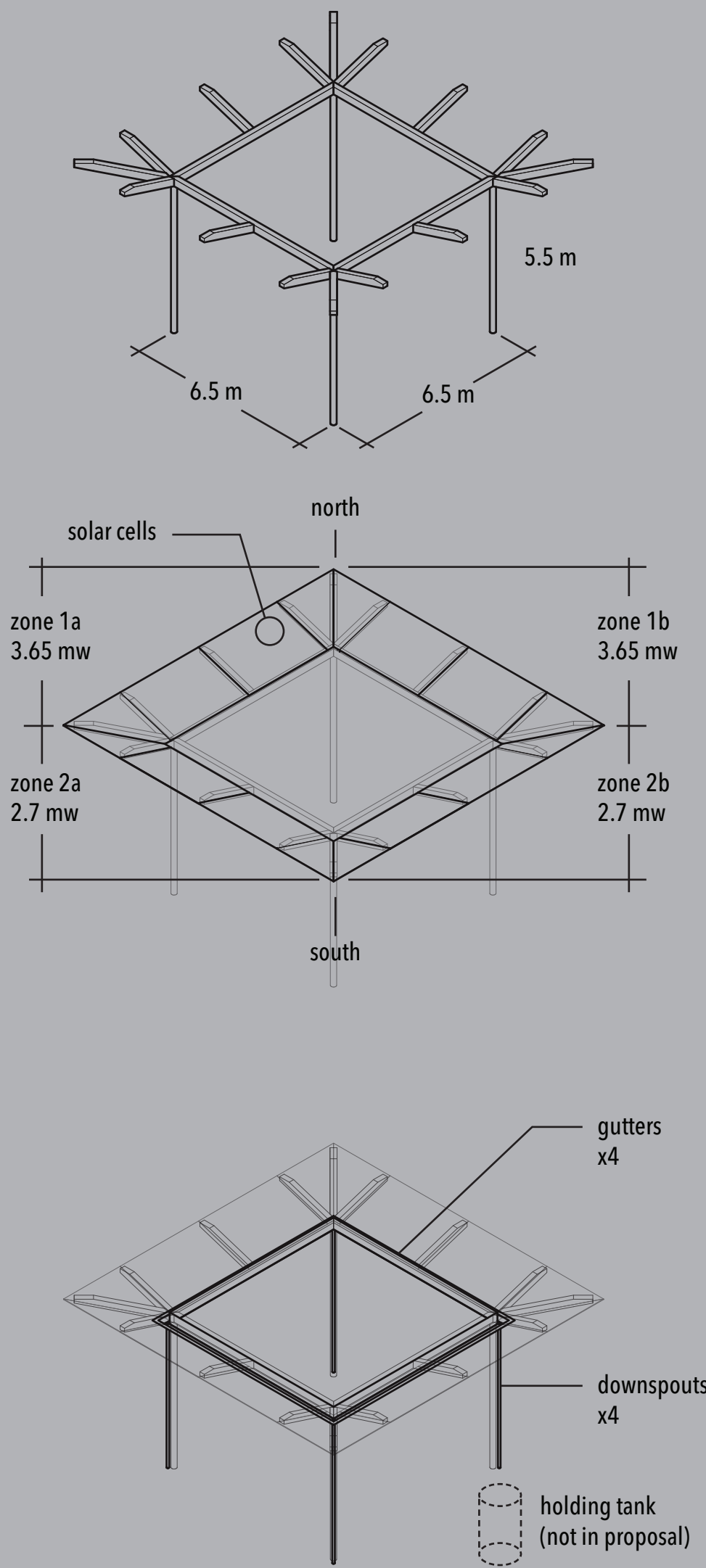
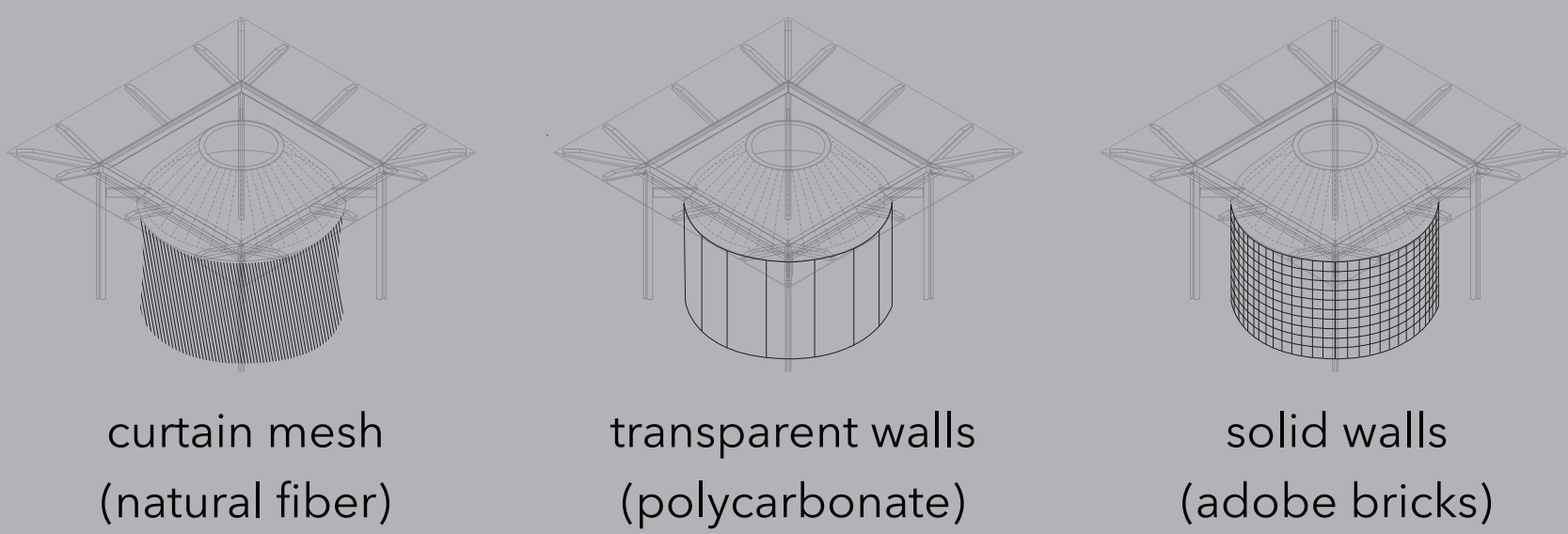
## DISTRIBUTION

western red cedar gutters  
charred for weatherability  
lightweight and economical  
50 year life expectancy  
100% biodegradable  
approx weight : 150 kg  
harvest source : 610 km

## SHELTER

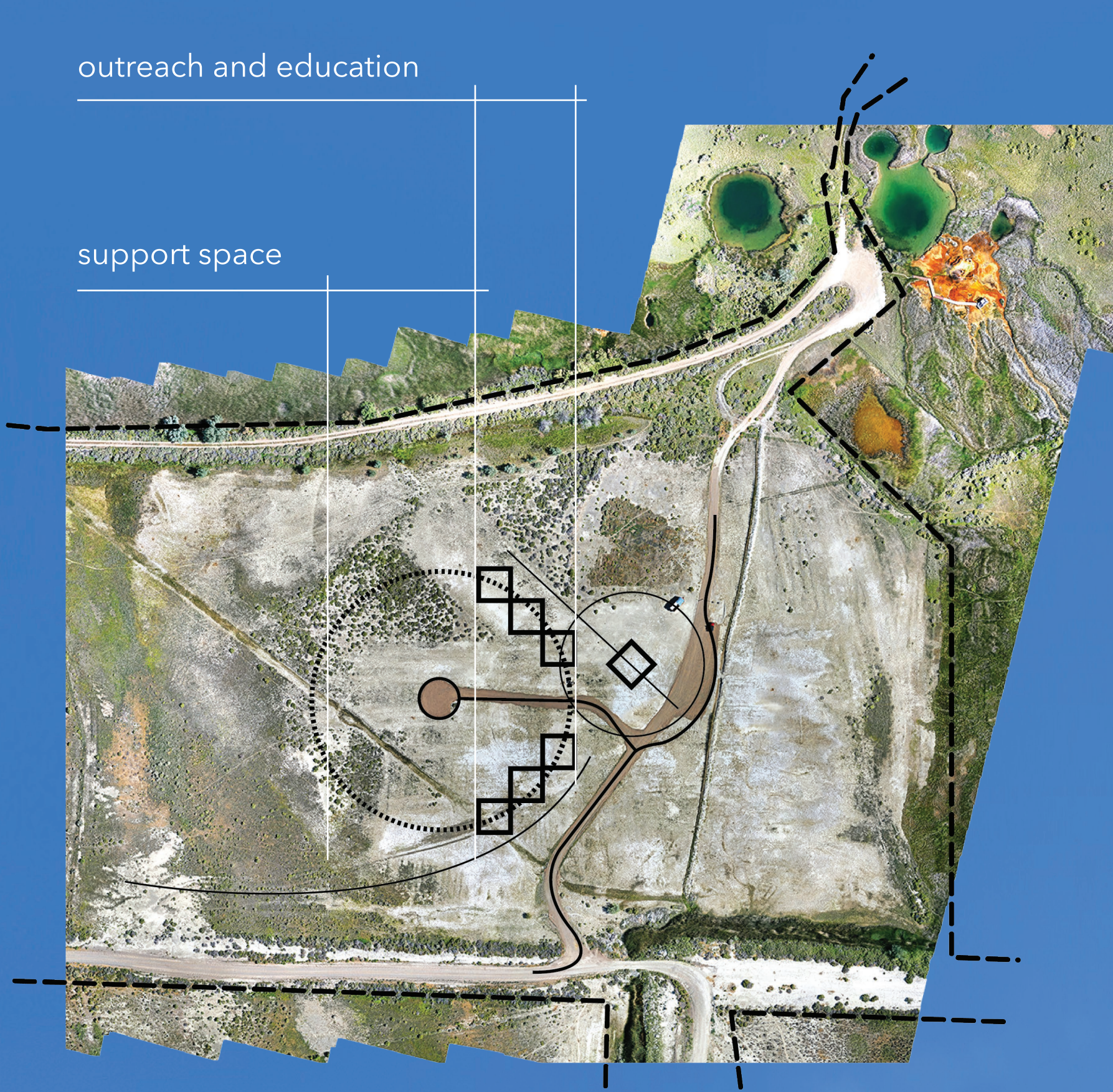
local sedge-grass thatch roof  
untreated lumber frame  
35 year life expectancy  
100% biodegradable  
approx weight : 2,300 kg  
(frame) harvest source : 240 km  
(thatch) harvest source : 0 km

## options to expand



outreach and education

support space



life support and education center

51.1 megawatts (zone 1 only) and 140,000 liters of rainwater annually

future  
expansion  
of trial research  
(not accounted)

research  
facilities

research and development

29.2 MW (zone 1 only) and 80,000 liters

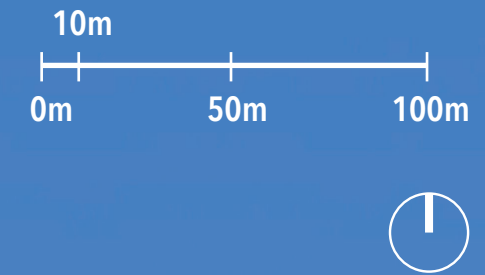
free use



remote pavilion at Hualapai

29.2 MW (zone 1 only) and 80,000 liters

upper fly



The collectors can be enclosed with geothermal heat for climate control purposes. This supports a broader range of possibilities such as indoor agriculture.