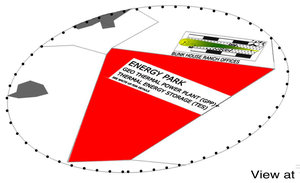
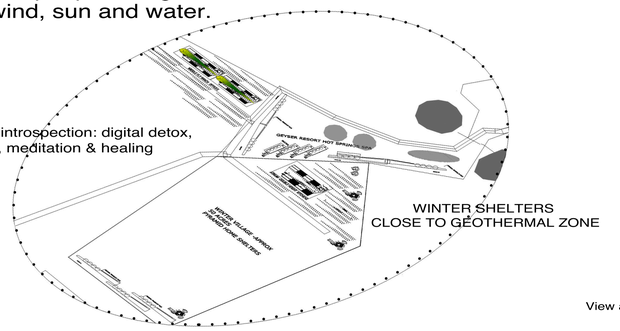
ONCE UPON A BLADE

The metamorphosis of the Blade Monument into other useful forms of blade-based shelters…all of which are human-scale, demonstrating a strong connection of the structures - and the people using them - to the earth, air/wind, sun and water.



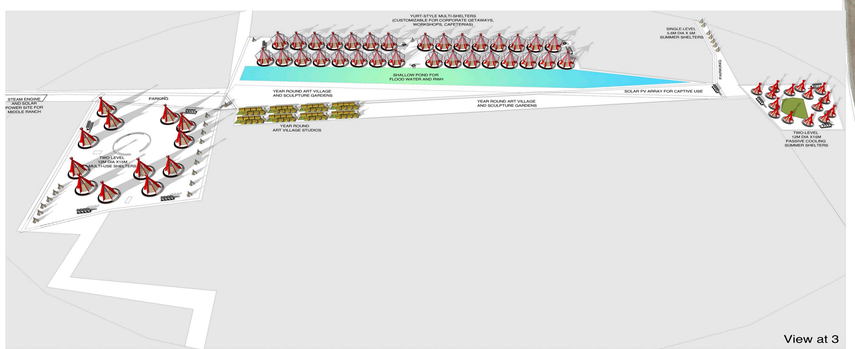
View at 1



Spaces for introspection: digital detox, yoga, meditation & healing

WINTER SHELTERS CLOSE TO GEOTHERMAL ZONE

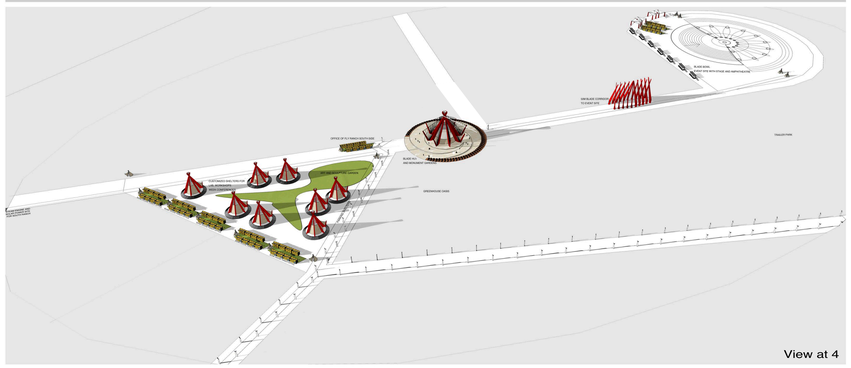
View at 2



View at 3

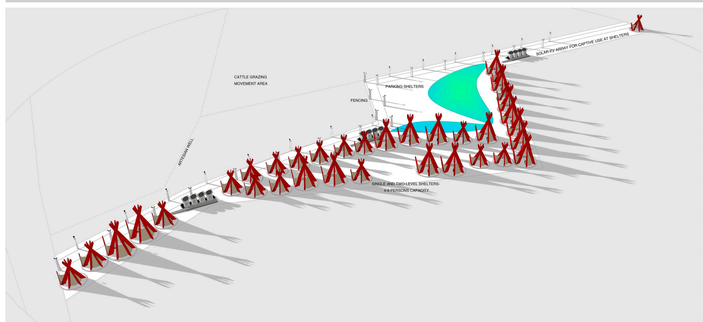
BLADE HUTS (human-scale variants of the Blade Monument) ~6mΦx6m-high & ~12mΦx12m-high, conical (therefore roofless), multi-purpose shelters:

i. Year-round dwellings for short-duration overnight stay
ii. Spaces for collaborating & learning
iii. Art studios
iv. Shells for development of creative, sustainable interiors by placemakers



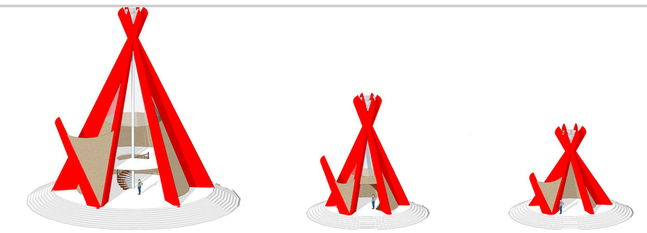
View at 4

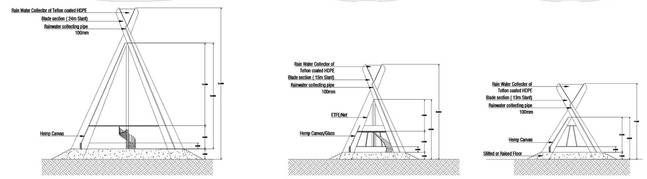
MONUMENT ZONE

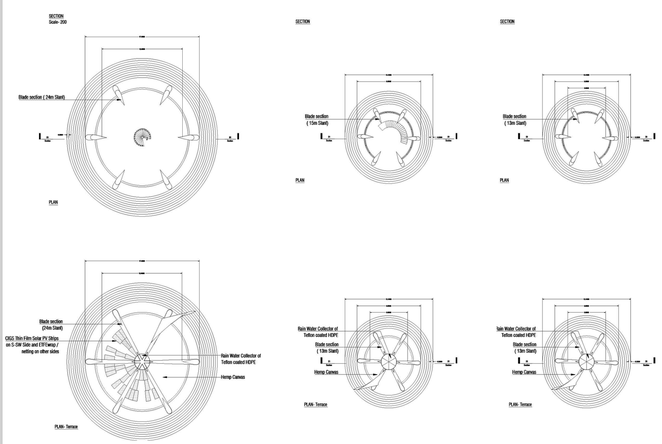


View at 5

MASTER PLAN



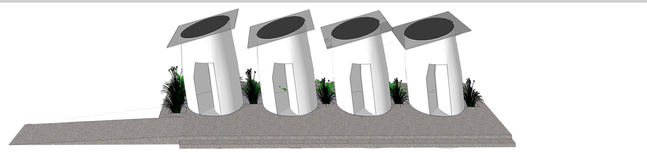




TWO-LEVEL 12M DIA X 15M MULTI-USE SHELTERS (CUSTOMIZABLE AS LABS, WORKSHOPS, HEALING HUTS)

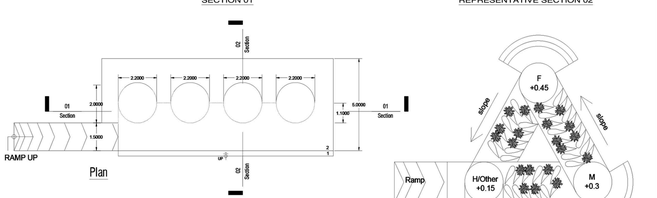
TWO-LEVEL 5.6M DIA X7.5M SUMMER/ WINTER DWELLINGS

SINGLE-LEVEL 5.6M DIA X 5M SUMMER/ WINTER DWELLINGS



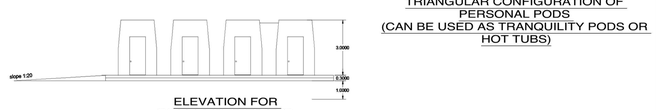
SECTION 01

REPRESENTATIVE SECTION 02

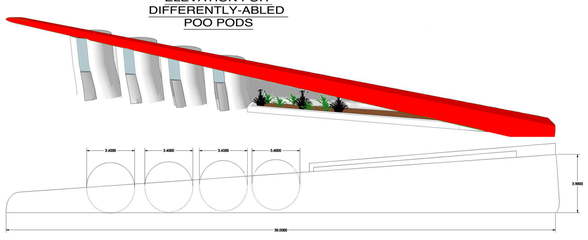


POO PODS (BIO-FILTERATION TOILETS INSTALLED INSIDE PODS)

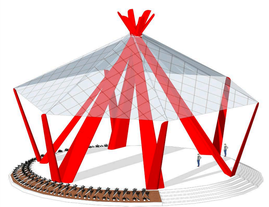
TRIANGULAR CONFIGURATION OF PERSONAL PODS (CAN BE USED AS TRANQUILITY PODS OR HOT TUBS)

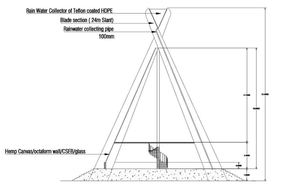


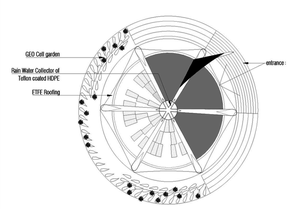
ELEVATION FOR DIFFERENTLY-ABLED POO PODS



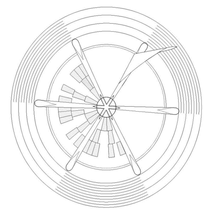
PERSONAL PODS







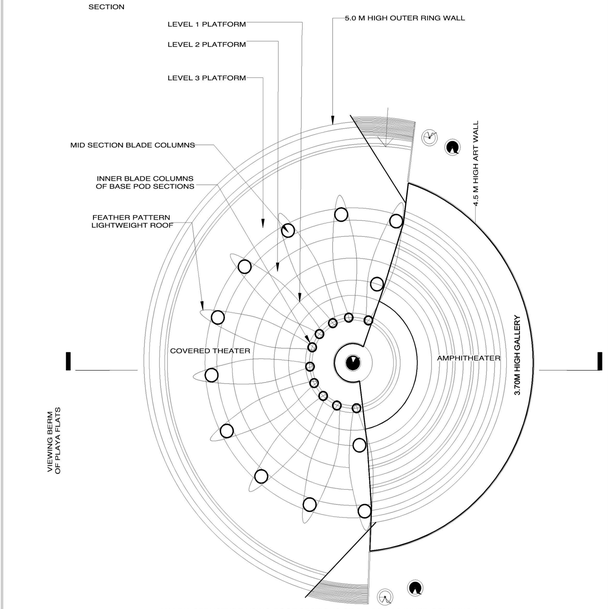
YURT-STYLE MULTI-USE SHELTERS (CUSTOMIZABLE FOR CORPORATE GETAWAYS, WORKSHOPS, CAFETERIAS)



LARGE PLACEMAKER SHELTERS (INTERIORS CAN BE CUSTOMIZED BY FLYRANCH/BURNING MAN)

Suggested specifications of shelters:

- Compressed stabilized earth blocks (CSEB) or Octaform® FormWork™ for the walls
- Recycled-wood flooring
- Hemp-canvas paneling or glass, R+Heatshield™+Hexacomb™, ETFE, sustainable plywood
- Building-integrated photovoltaics (BIPV)
- LED lights
- Passive cooling: wind-driven turbine-ventilator
- Rainwater harvesting (RwH) system
- Stilted for flood-prone zones
- 2-story (internal spiral staircase)
- Pit-house (Walipini-inspired) for low water-table zones
- Active heating/cooling: ground-source heat-pump (GSHP), energy-efficient fans/coolers, radiator-based heating using hot-spring water for huts close to geothermal zone (GZ)



86M DIA STRUCTURE USING ROOT SECTIONS OF BLADES AS INNER COLUMNS & ROOT + MID-SECTIONS OF BLADES AS OUTER COLUMNS; BASE OF THE AMPHITHEATER USING TIRES PACKED WITH ADOBE.

BLADE BOWL: AN EVENT SITE WITH COVERED STAGE; AMPHITHEATER AND OPEN-AIR PLANETARIUM

86M DIA STRUCTURE
Specifications:

- Discarded tires (as rammed-earth bricks) for the base & compressed stabilized earth blocks (CSEB) for the walls; optional Octaform FormWork.
- Blade root sections as inner columns; root+mid sections as outer columns; mid+tip sections as joists/rafters – and also seats!
- ETFE (+CIGS Thin Film solar pv) lightweight roof mimicking birds' wings, symbolic of flight & motion.