MADAR

Mental Balance Restoration Center

Introduction

In a fast-paced world full of digital stimuli and daily pressures, people often lose their natural connection with themselves, leading to accumulated mental and psychological fatigue. The aim of this project is to create a dedicated space for restoring inner calm and mental balance through a sensory environment based on elements of nature, light, sound, and material.

SWOT Analysis

Strengths
- Unique mental wellness concept
- Strong connection to Wadi Rum's nature
- Sustainable and immersive design

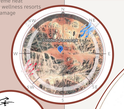
Weaknesses
- High desert climate
- High construction and maintenance costs
- Limited water resources

Opportunities
- Growing awareness of mental health
- Rising wellness tourism
- Potential as a unique healing destination

Threats
- Global change and extreme heat
- Competition with luxury wellness resorts
- Risk of environmental damage

Site Analysis

The site at 29°23'22" N, 35°27'24"E is located in the heart of Wadi Rum, Jordan, within a vast desert featuring rocky terrain and sand dunes. It is close to Rum Village and the Wadi Sabet Viewpoint, offering scenic value and relatively flat topography with surrounding rocky hills, which facilitates the layout of buildings.



Concept

This project draws inspiration from the cosmic duality of the sun and moon, using the day-night cycle as a natural system reflecting the balance between activity and calm, light and shadow, waterfulness and rest. The sun symbolizes energy and vitality, while the moon represents rest and reflection, together mirroring the natural flow between work and rest.

Architectural Reflection of the Concept

The building was chosen because it reflects the project's concept of the sun and moon cycle through incomplete circular forms. These forms symbolize that psychological balance is dynamic rather than fixed, while allowing light and shadow to enhance harmony and the sense of continuous movement.

Conceptual Naming

The name "MADAR" was chosen to represent continuous movement and the dynamic nature of psychological balance. Inspired by the concept of an orbit, it reflects the human journey between opposing states such as calm and disturbance, where balance is a process of constant shifting and adaptation rather than a fixed condition.

Mood board

Sustainability Goals

Plant Strategy Of The Project

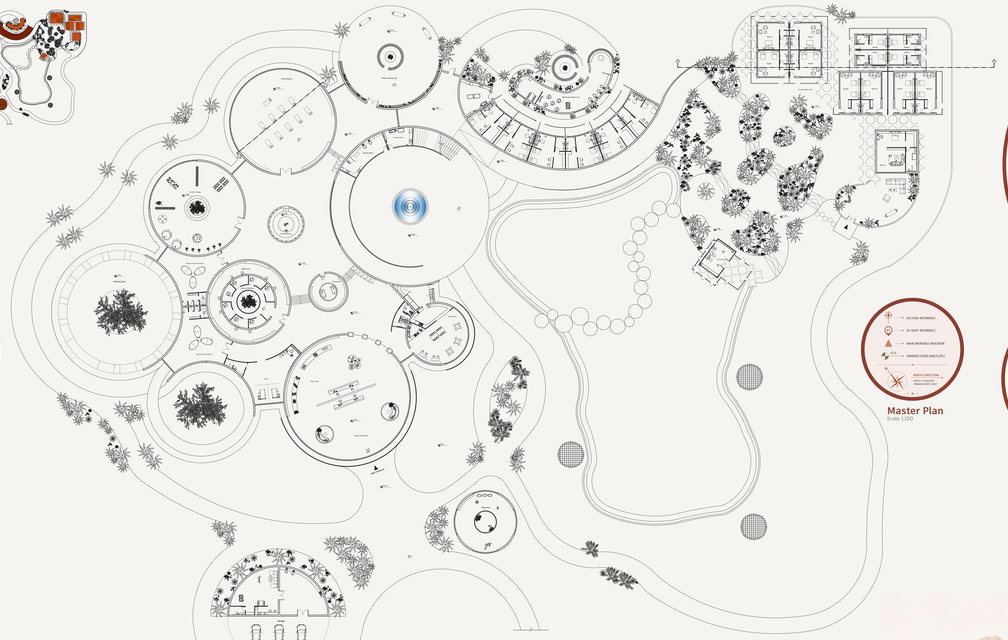
Bubble Diagram

Zooning

Emotional Constellation Bubble System

Circular Resource Strategy

SDG 15 Life On Land Strategy

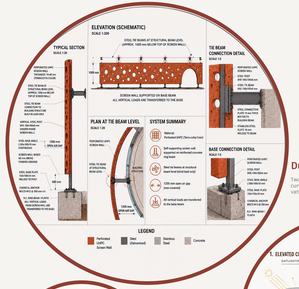


Master Plan

Scale 1:350

Double Skin Structural System

Perforated Terracotta Colored Grill Screen Wall


ELEVATION (SCHEMATIC)
SCALE 1:200
STEEL TIE BEAMS AT STRUCTURAL GRIDS (215), (APPROX. 1500 mm BELOW TOP OF SCREEN WALL)
TERRACRETA WALL SUPPORTED ON BACK WALL
ALL VERTICAL LOADS ARE TRANSFERRED TO THE BASE
TYPICAL SECTION
SCALE 1:50
PERFORATED LOAD BEARING TERRACRETA WALL (TYPICAL)
STEEL TIE BEAM AT STRUCTURAL GRIDS (215)
STEEL TIE BEAM AT STRUCTURAL GRIDS (215)
STEEL TIE BEAM AT STRUCTURAL GRIDS (215)
STEEL BEAM (TYP.) (SPACING VARIES)
STEEL BEAM (TYP.) (SPACING VARIES)
STEEL BEAM (TYP.) (SPACING VARIES)
STEEL BEAM (TYP.) (SPACING VARIES)
STEEL BEAM (TYP.) (SPACING VARIES)
STEEL BEAM (TYP.) (SPACING VARIES)
STEEL BEAM (TYP.) (SPACING VARIES)
STEEL BEAM (TYP.) (SPACING VARIES)
CONC. BEAM (TYP.) (SPACING VARIES)
CONC. BEAM (TYP.) (SPACING VARIES)
CONC.