

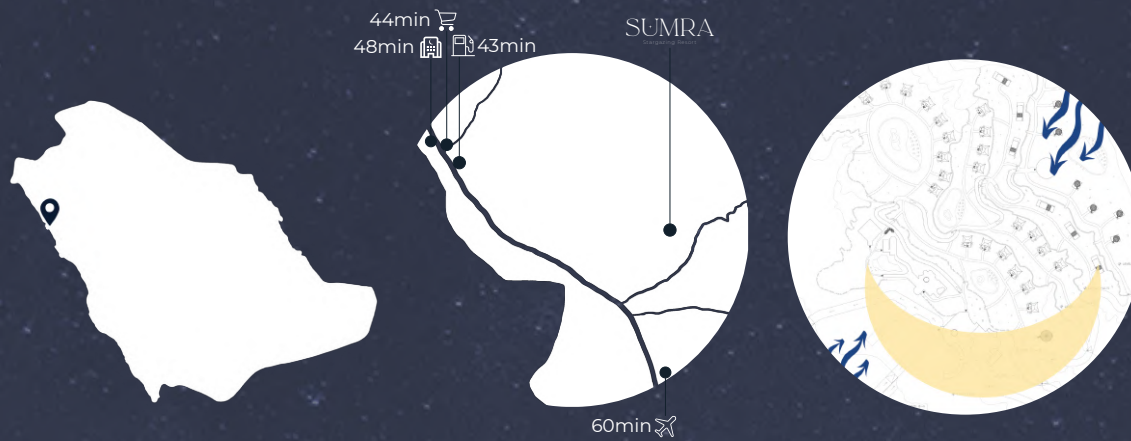
SUMRA

Stargazing Resort

Sumra - which means the darkness of the night sky in arabic- is a wellbeing resort that specializes in stargazing ,away from the pollutants especially light pollution that prevented this generation from experiencing the awe of a dark sky twinkling with stars. As this resort is focused on providing an environment equipped with all the needs for observing stars and astronomical phenomenas for adults interested in these activities. And a critical part of providing this enviroment is conserving the natural dark sky and the local context of the location.

SUMRA

Location



Sumra is located at The RedSea Project which is a dark sky reserve. The area has the best conditions for stargazing (Low Humidity - Low light pollution - Low air pollution)

Design Strategies



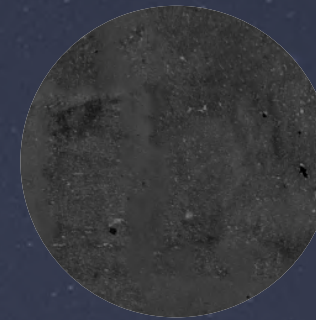
Use of Ultra-low lighting, appliances



Encourage walking to minimize transport



Re-use of building waste materials



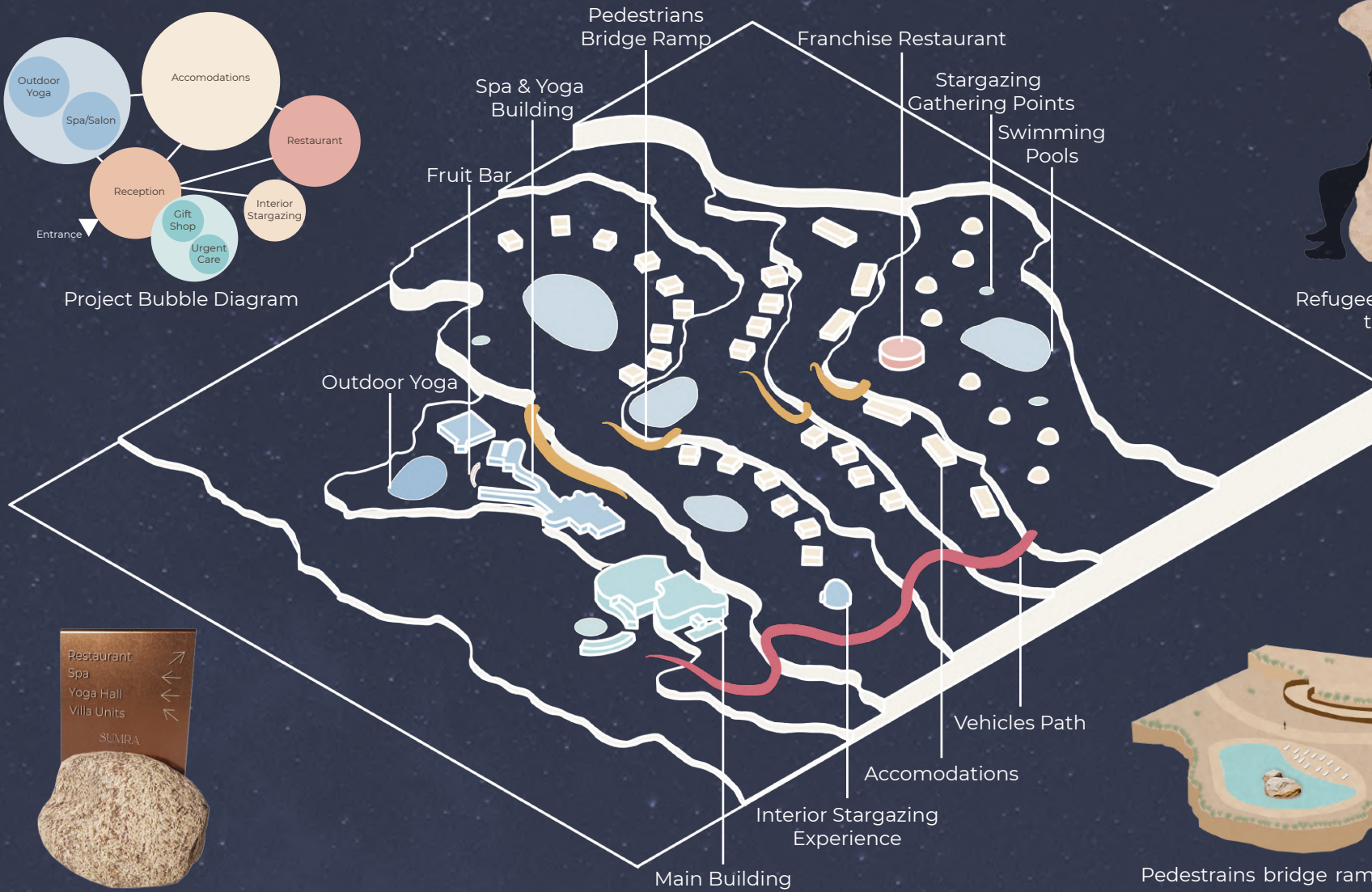
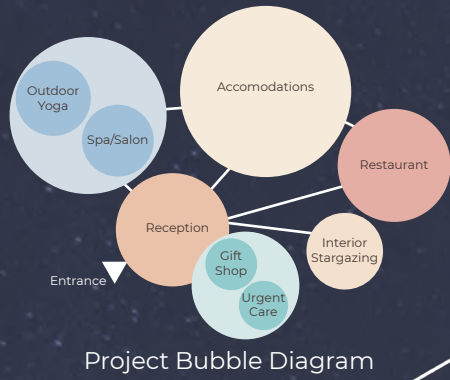
Sourcing of local materials

Authenticity
Human-Centricity

ميثاق
المكان
سلامة
العمارة

Livability
Sustainability

Site Plan



Refugee seats around the resort



wayfinding stands



Pedestrains bridge ramp along the whole resort encourages walking and connecting with nature

Administration
234sqm 3%

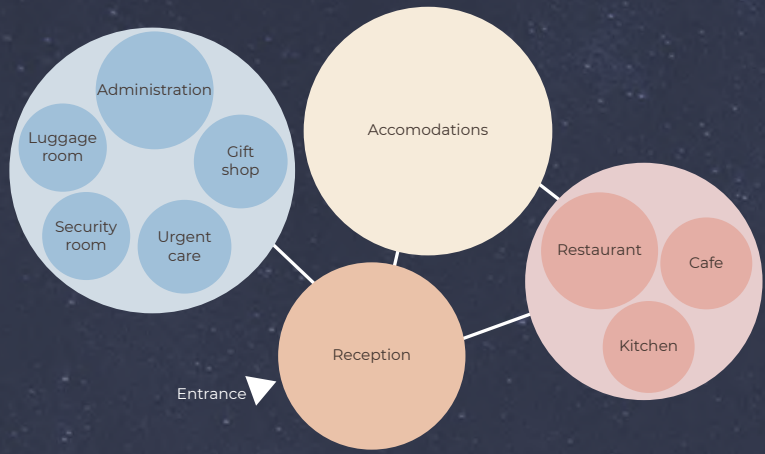
Services
1170sqm 15%

Spa & Activities
2106sqm 27%

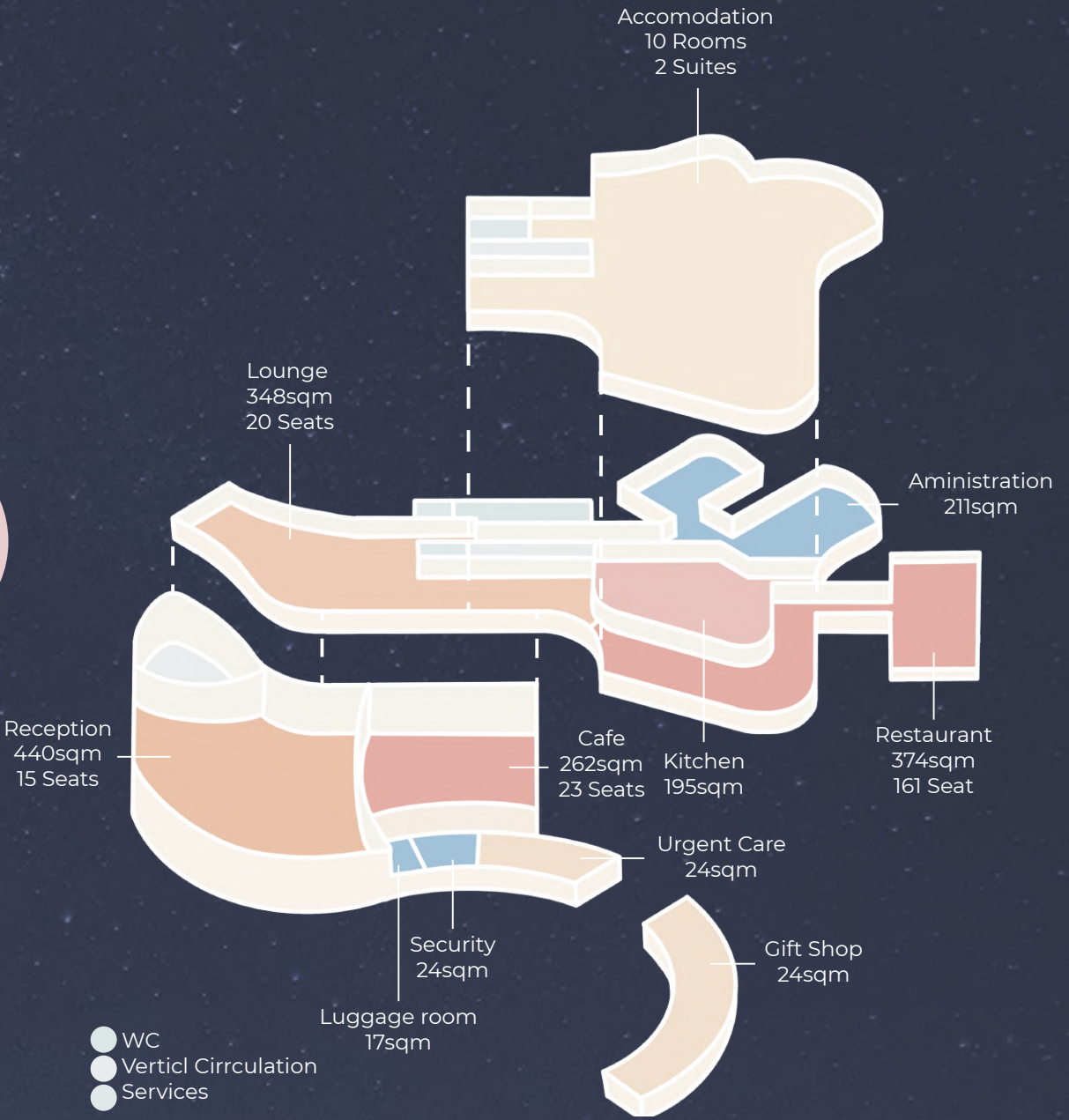
Food & Restaurants
1170sqm 15%

Accomodations
3120sqm 40%

Architectural Programming

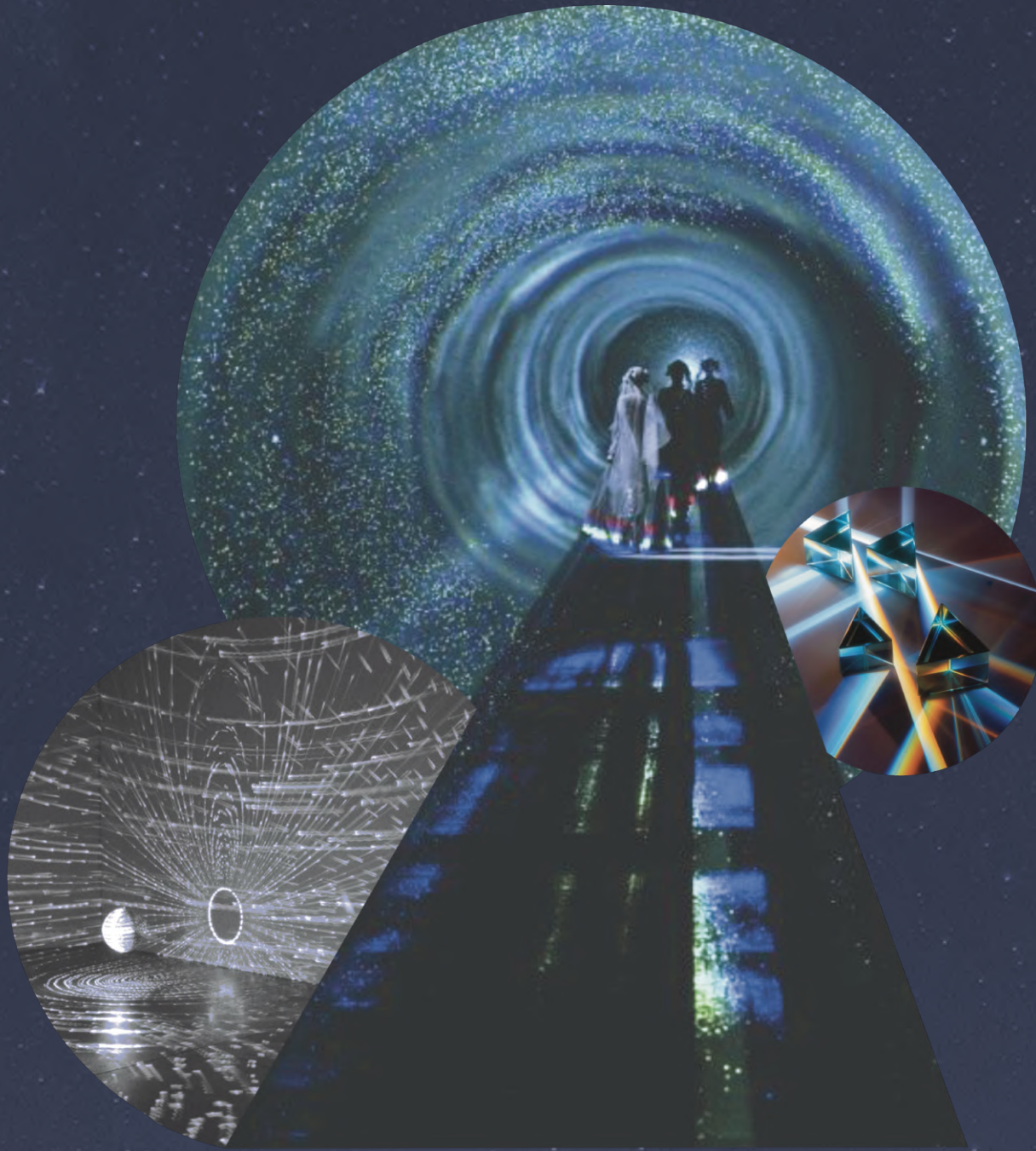


Main Building Bubble Diagram



- WC
- Vertical Circulation
- Services

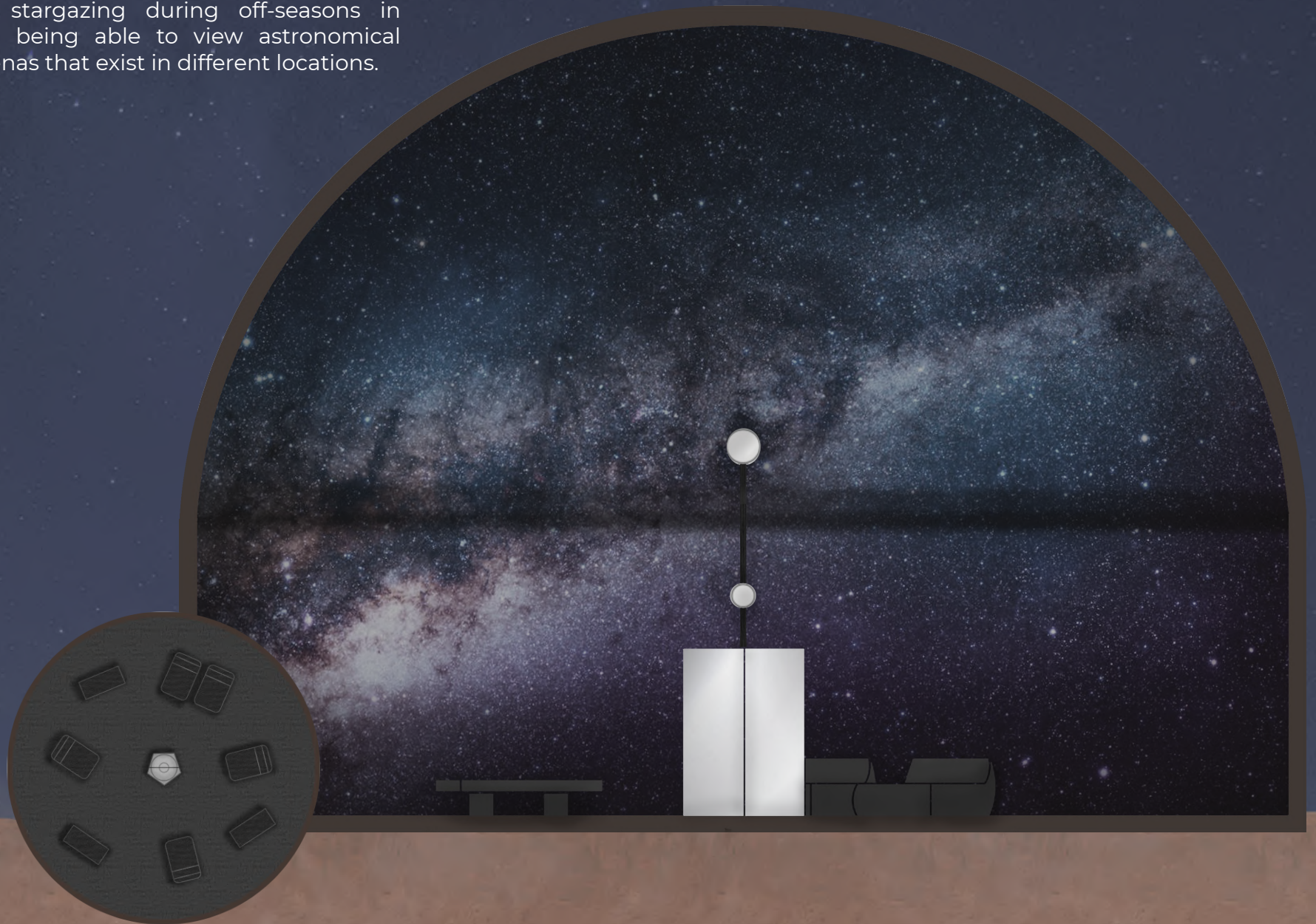
Design Concept



The concept is inspired from **the illusions** stars create in the sky and to our eyes when we stare into them. And is expressed through light reflections and light dispersions.

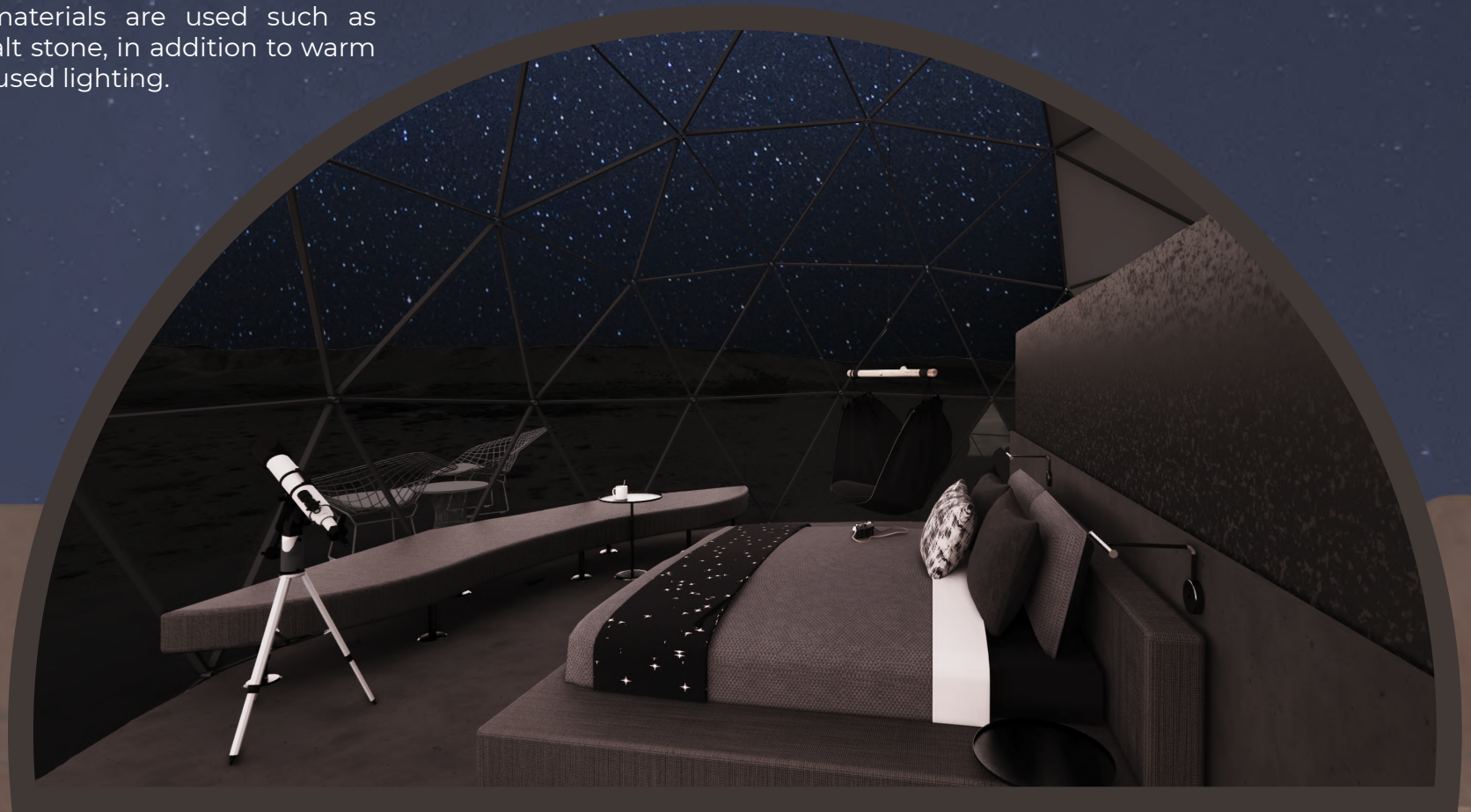
Interior Stargazing Immersive Experience

An immersive experience where visitors can experience stargazing during off-seasons in addition to being able to view astronomical phenomena that exist in different locations.



Accommodation Options

The stargazing dome is designed with measures that considers the big opportunity for light spill which negatively affects perceiving the natural starlight. Rough materials are used such as plastering and basalt stone, in addition to warm focused lighting.



Villa

Area: 121sqm
Number of Villas: 6 Villas
Suits 4 Adults



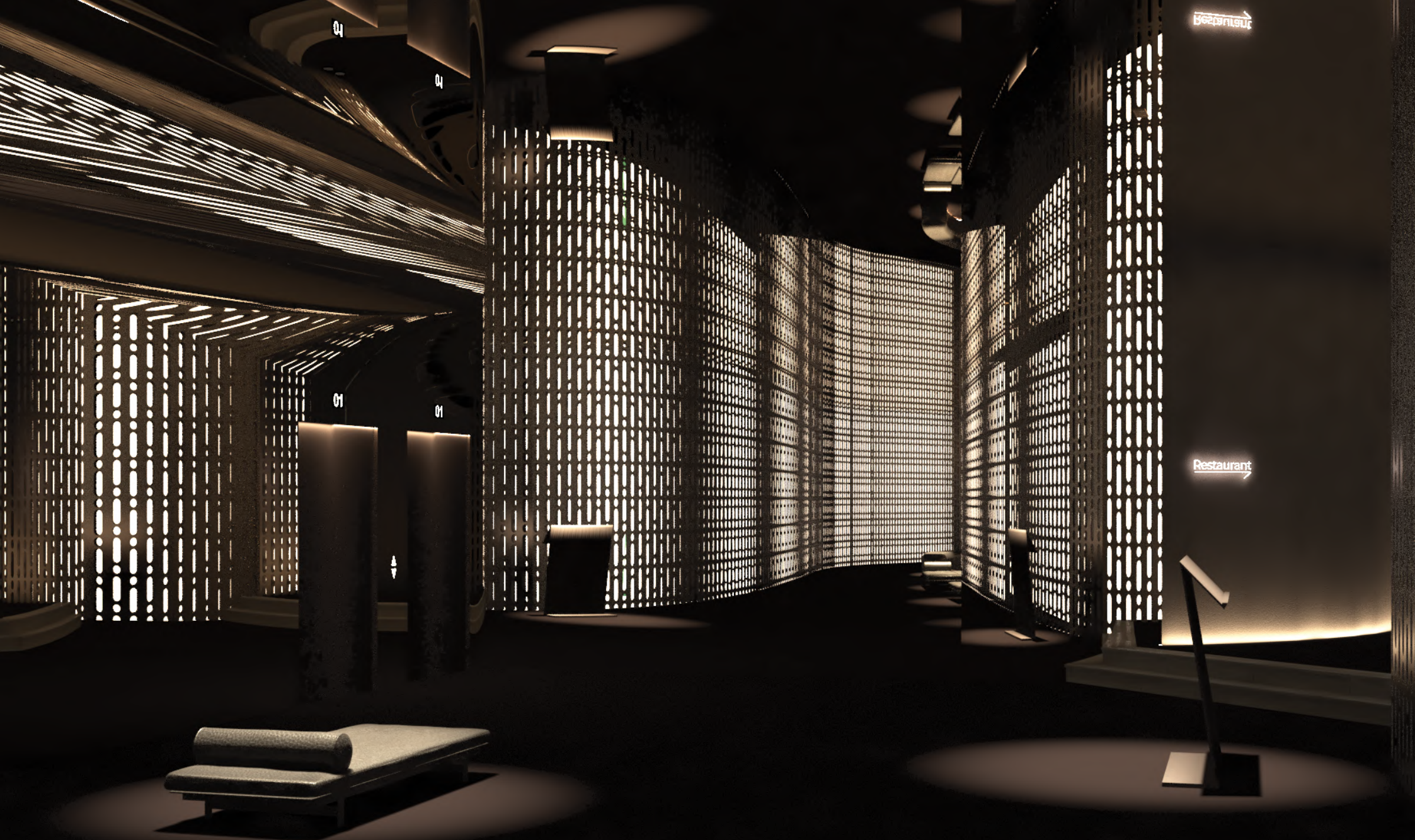
Tent

Area: 51sqm
Number of Villas: 23 Tents
Suits 2 Adults



Dome

Area: 42sqm
Number of Villas: 8 Domes
Suits 2 Adults



Lounge area

The lounge area is designed to represent the illusion of an infinite space. Through the use of mirror ceiling and walls in addition to an perforated metal material that allow light to pass through and created infinite number of reflections.

← LOIRE12
→ Restaurant

← Restaurant
→ TOILETS





Designer
Portfolio



Research
Paper

STUDENT'S NAME

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SENIOR PROJECT

SUMRA Stargazing
Resort

**INTERIOR AND
FURNITURE DESIGN**

YEAR: 2021/2022

**KING ABDULAZIZ
UNIVERSITY**

FACULTY OF HUMAN
SCIENCE AND DESIGN