GHAZALEH KALHOR

PORTFOLIO

LANDSCAPE DESIGN

ARCHITECTURE

2019-2025

About Me

Architecture and landscape design are my passion. I am always curious about the mix between the built and natural environments surrounding us and continuously look for ways to improve the human habitat.

I recently completed my education at the University of Bologna, where my thesis focused on the adaptive reuse of cultural landscapes. This work allowed me to explore innovative ways to repurpose historical and cultural sites, integrating them into modern urban contexts while preserving their heritage value.

During my studies, I also gained practical experience through a traineeship in Sicily, providing me with hands-on opportunities to apply architectural and landscape design principles in real-world projects. This experience enhanced my understanding of the dynamic relationship between architecture and its surroundings.

Currently, I am working as a Freelance Architect with clients and focusing on building an international career as a young professional architect. My strong suits are conceptual thinking, generating ideas, and visualizing plans and sketches. I am particularly interested in the interaction between green and urban environments and human activity, and I aim to contribute to creating sustainable and harmonious spaces that enhance the quality of life.

GHAZALEH MOHAMMADI KALHORI

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LinkedIn

> Skills And Expertise

Software

- Office (word ,Excel)
- Auto Cad
- 3Ds Max
- SketchUp
- Lumion
- Adobe Photoshop
- Adobe InDesign
- Adobe Illustrator
- Grasshopper
- Rhino

Professional

Strong Graphics

An eye for Details

Creative Problem Solving

Team Working

Innonative Thinking

Key Interests

Landscape Regeneration

Nature-Based Solutions

Heritage Conservation

Urbanism

> PROFESSIONAL EXPERIENCE

Freelance Architect - Bologna, IT **April 2024 - Present**

Develop conceptual designs for private clients, integrating aesthetic and functional solutions tailored to their needs, Provide comprehensive landscape and interior design services, enhancing both indoor and outdoor living spaces, Create detailed 3D models and photorealistic renderings for client presentations and project visualization, Worked on a landscape design project in Phoenix, Arizona, now featured in the professional portfolio, Collaborate with clients on diverse residential projects, delivering personalized and creative design solutions

Siciliamia - Sicily, IT

Landscape Architect

March 2023 - Aug 2023

Analyzed property drawings and proposed material solutions for enhanced project efficiency, Contributed to green energy implementation and sustainable material selection, Offered ideas and feedback on interior and landscape design, Conducted research on requirements and permissions for project compliance.
Collaborated on task management with colleagues, Designed and rendered landscapes for three villas and prepared reconstruction presentations for a project in Sicily.

University Of Bologna
Researcher **January 2022 - January 2023**

Conducted research on the adaptive reuse of cultural landscapes, exploring the intersection of environmental systems, built structures, and cultural dynamics. Developed a methodological framework for sustainable design strategies that integrate historical and contemporary needs. Engaged in critical analysis, academic writing, and visual representation to support research findings.

Maand Architectural Office **March 2018 - June 2020**

Architectural Designer

Collaborated on the design of a Thermal Springs Guest House for an Icelandic competition, Created detailed architectural designs and drawings, both by hand and with design software, Designed and visualized various projects, including VILLA MOSHA (Damavand, Tehran) and Moshrefi VILLA, using SketchUp, Lumion, 3Ds Max, and Vray, Advised clients on interior design, space planning, and color coordination for the SARV project, Worked with a team of five to develop three concept plans for the Lavij Multi-Purpose Complex.

Maand Architectural Office **June 2013 - January 2015**

Architectural Designer

Created Two-dimensional construction documentation using AutoCAD software and assisted in the streamlining of the architectural design process from conceptual design through the completion of projects.

EDUCATION & CERTIFICATIONS

University Of Bologna **September 2020 - March 2024**
Master In Engineering Of Building Processes and Systems (HBR)

City: Ravenna | Country: Italy | Field(s) of study: Landscape Architecture | Final grade: 100/110 | Thesis: The " National Register Of Historic Rural Landscapes " As a Tool For Protecting The Cultural Landscapes Of The Rural Territory. The Case Of The Valle Del Lamone In Italy.

Islamic Azad University of South Tehran Branch **February 2015 - December 2017**
MA in Landscape Architecture

Final grade: 17.98/20 or 3.59/4.0 | Thesis: Designing the Urban Landscape of North Farahzad with a Recreational Approach Relying on Natural Aspects

Islamic Azad University Of Qazvin **October 2008- April 2012**
B.S. In Architectural Engineering

Final grade: 15.35/20 or 3.07/4.0 | Thesis: The Museum of The Modern Art

Table Of Contents

01. Lightwell House: From Concept to Render / June 2025

📍 Location
Lake Como, Italy

🎨 Design Style
Contemporary Minimalism with Nordic and Japanese influences

1. Concept Development

Design Intent

To create a serene, light-filled residential environment that fosters relaxation, connection, and visual harmony.

Inspiration Sources

Nordic simplicity and hygge principles
Japanese spatial flow and material honesty
Italian craftsmanship and contextual sensitivity

Site Strategy

Orientation optimized for natural light
Integration with surrounding greenery
Visual permeability between indoor and outdoor spaces

Spatial Planning

Program Distribution

Open-plan living, dining, and kitchen on ground level

Mezzanine for reading/lounge zone

Attic retreat for quiet reflection and storage

Circulation Logic

Fluid transitions between zones

Vertical connection via sculptural staircase

Visual anchors (chandeliers, artworks, built-ins) to guide movement

Material Palette

Flooring: Light wood in herringbone and plank formats
Walls/Ceilings: Wood paneling, white plaster, and glass
Furniture: Curved forms, neutral textiles, and sculptural accents
Lighting: Spherical chandeliers, pendant lights, and natural daylight

Sustainability & Comfort

Passive solar design
Natural ventilation through operable windows
Use of local, renewable materials
Flexible furniture layout for evolving needs

02. Villa Brisa Verde - October 2025

A contemporary retreat where architecture breathes with the landscape.

📍***Location: Catalonia, Spain***

Nestled in the rolling hills near Girona, this villa harmonizes with the Mediterranean climate and lush surroundings. The site offers privacy, filtered sunlight through native trees, and proximity to both cultural heritage and natural beauty.

Landscape Design

- Designed a multi-zoned garden with native Mediterranean species: rosemary, lavender, cypress, and ornamental grasses.

- Integrated a fire pit lounge, swing retreat, and shaded dining terrace to support year-round outdoor living.

The design blends modern minimalism and natural elements, featuring a muted olive-green palette and large windows to foster a calm, nature-connected atmosphere.

VILLA BRISA VERDE

INTERIOR

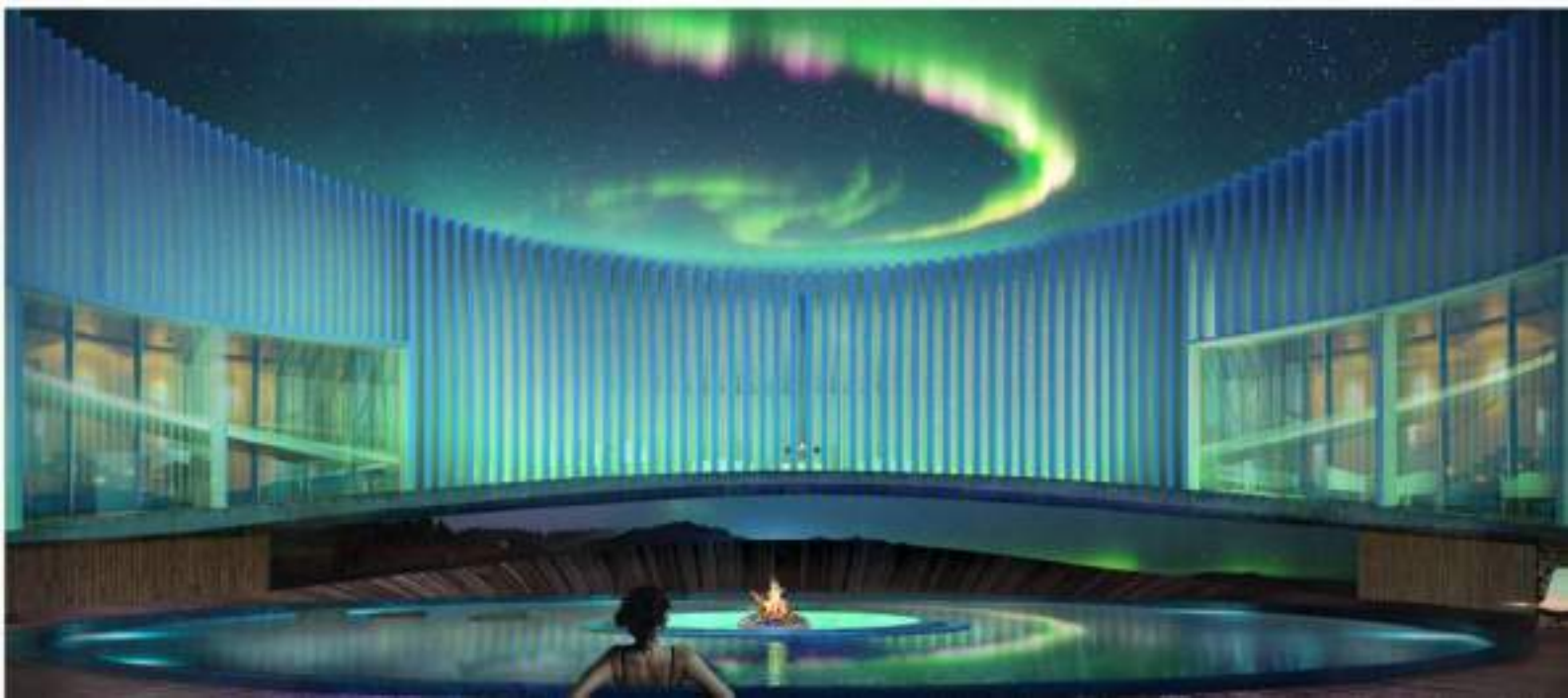
Interior Design Strategy

- *Interior palette draws from the landscape: olive green, sun-washed white, and warm wood tones.*
- *Furnishings are custom-designed for comfort and clarity—low-profile beds, built-in shelving, and ergonomic workspaces.*
- *Large windows and sliding glass panels invite natural light and garden views into every room.*
- *Materials include linen, clay ceramics, brushed steel, and reclaimed wood, chosen for texture and sustainability.*

03. Thermal springs Guest House in Iceland – Green Heritage

October 2019- Northern Iceland

Panoramic Interior visualization / view of the luxury room to the central Thermal Spring



VOGAFJÓS Green Heritage

Form Design Process / Inspired by traditional architectural elements in order to maintain integration with the site context.

1-Base volume based on turf houses in iceland .

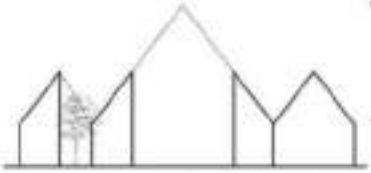
2-Potential of existing guest house volume in new form design .

3-Volume bending and sweeping traditional silhouette in a circular rail for maximum use of 360 degree vision.

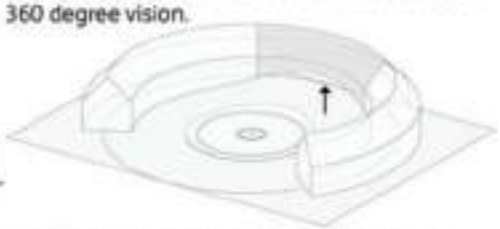
4-Desi
two fo
social

Icelandic houses silhouette

Current guest house silhouette



Create a new section by cutting the silhouettes of houses and creating central gardens for organic farm space.



5-Raising part of the design to create Land-mark,visibility in to the landscape and reduce humidity.

6-Opti

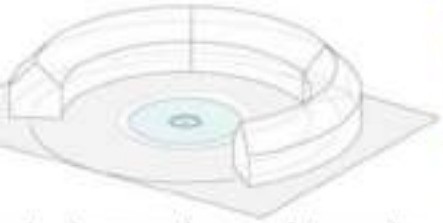
Our design, inspired by the nature and local environment potentials, is a response to the environmental issues.

Our creative solution is in line with a trend, in which the architectural design considers the consequences of environment destruction by human beings and seeks a sustainable futuristic solution. Utilizing the new construction methods and digital tools, our idea has evolved considering local traditions, in order to achieve a design in which local skills and environmental conditions can be employed to create a sustainable environment and an enjoyable space. We want to be of small yet positive help in construction of such buildings over the world, so that the environment can be kept desirable for the future generations.

Our project design is highly affected by the project site's surrounding environment. Considering that Iceland, and the project site in specific, are located near the North-pole natural glaciers, that are unfortunately keep melting down in an increasing rate, they have attracted an increasing attention from all over the world. As a result, we offer a design that look into the environment itself for a solution. With extensive software analysis, we have concluded that Iceland and the project site benefit from a significantly high geo-thermal energy, with great potential in its hot water springs. Due to the fact that the site location is a tourist attraction, utilizing the hot water extracted from the earth in the project site can create an attraction in which visitors can have a memorable experience, while helping with the sustainability, lowering the costs, and decreasing fossil fuel consumption.

It should be noted that exploiting such natural resources in a small area can lead to other issues itself; however, with a professional management, our idea can lead to a solution which is both efficient for the present and sustainable for the future. We seek to efficiently benefit from the natural resources at the site location to offer a small-scale solution to a worldwide issue. Our recommendation is inspired by the Iceland's native architectural elements and the local materials and culture. Our objective is to offer a proper design for the 21st century, which avoids any harm to the environment.

Exterior visualization / Main view of the Guest house



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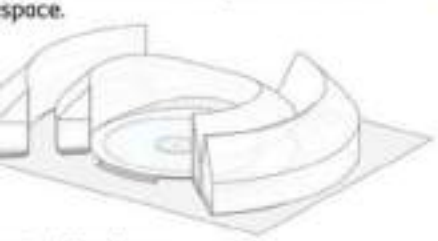
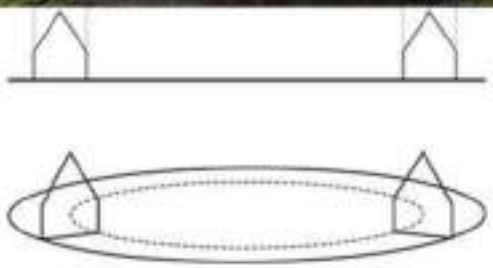
rms And create a new point view and
space.



mized final form

The Arctic Henge



Icelandic Turf Traditional Houses

Inspiring images of Iceland's attractions and landscapes.

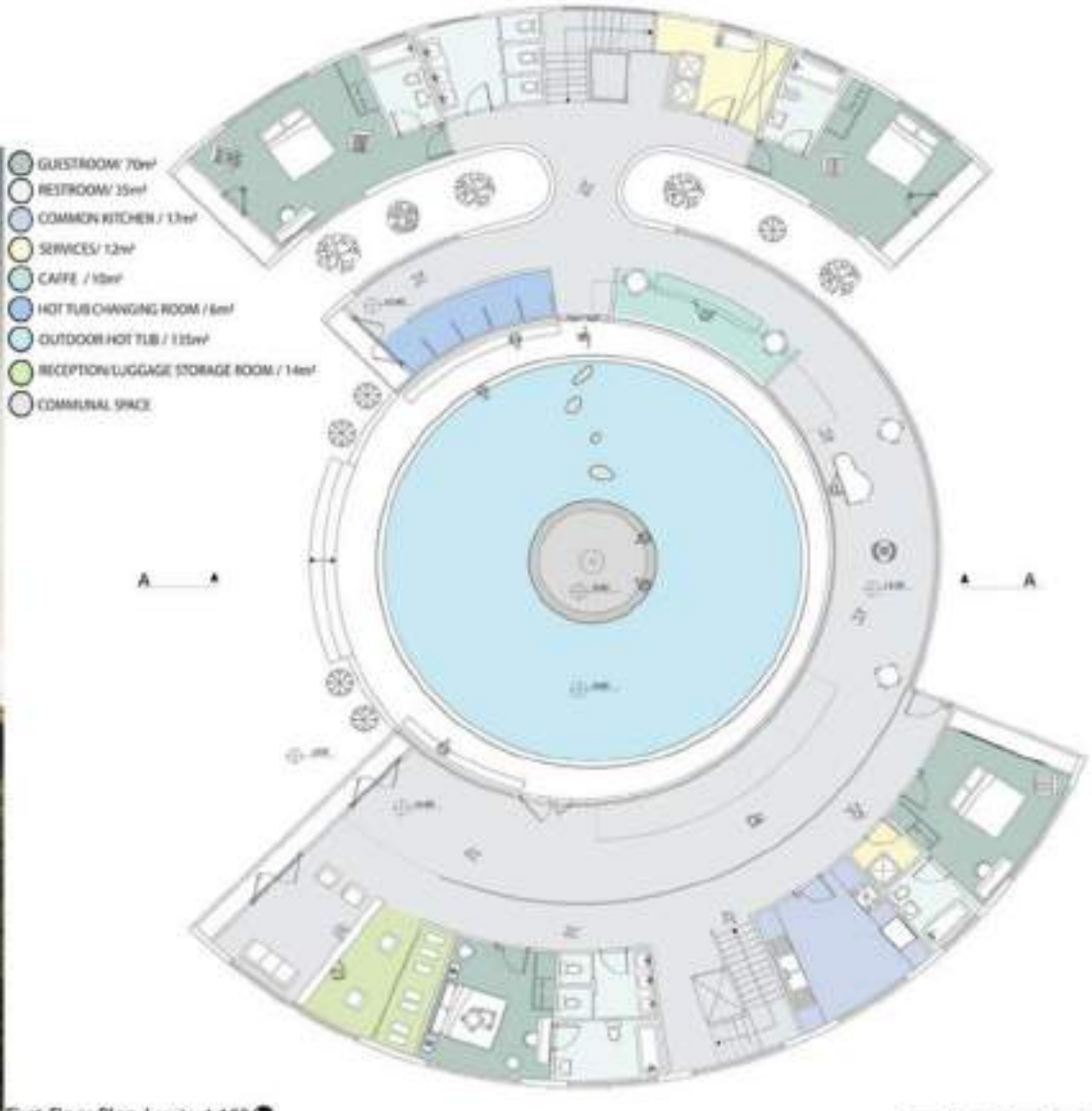
Destruction by man landscapes

Geyser

Thermal springs

Volcano

Site Plan / Scale : 1/1000



First Floor Plan / scale: 1.150

Panoramic Interior visualization / view of the luxury room to the central Thermal Spring .

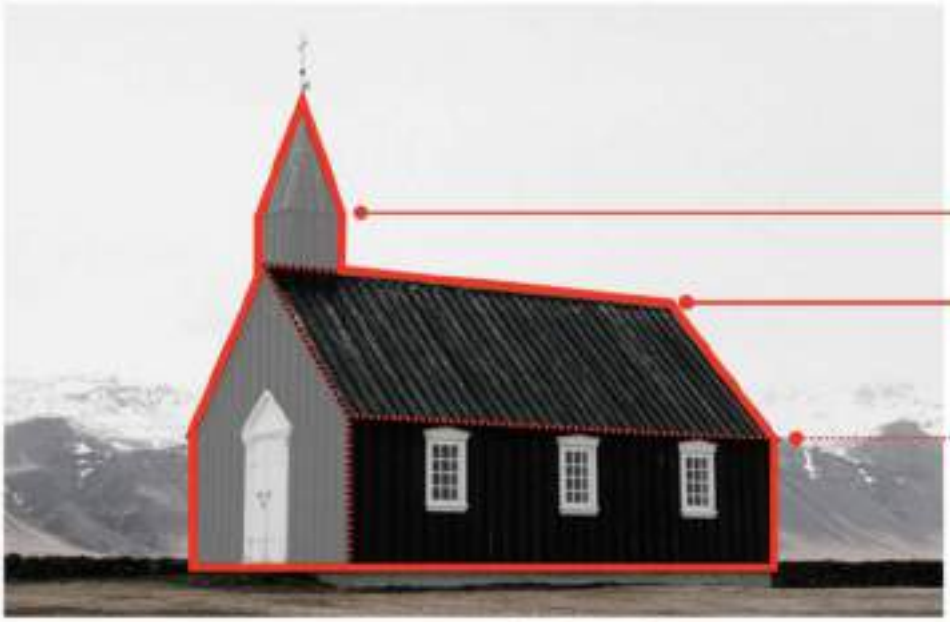
Exterior visualization / Back view of the Guest house / Luxury rooms for special guests and an Outdoor organic coffee shop space in the back yard.

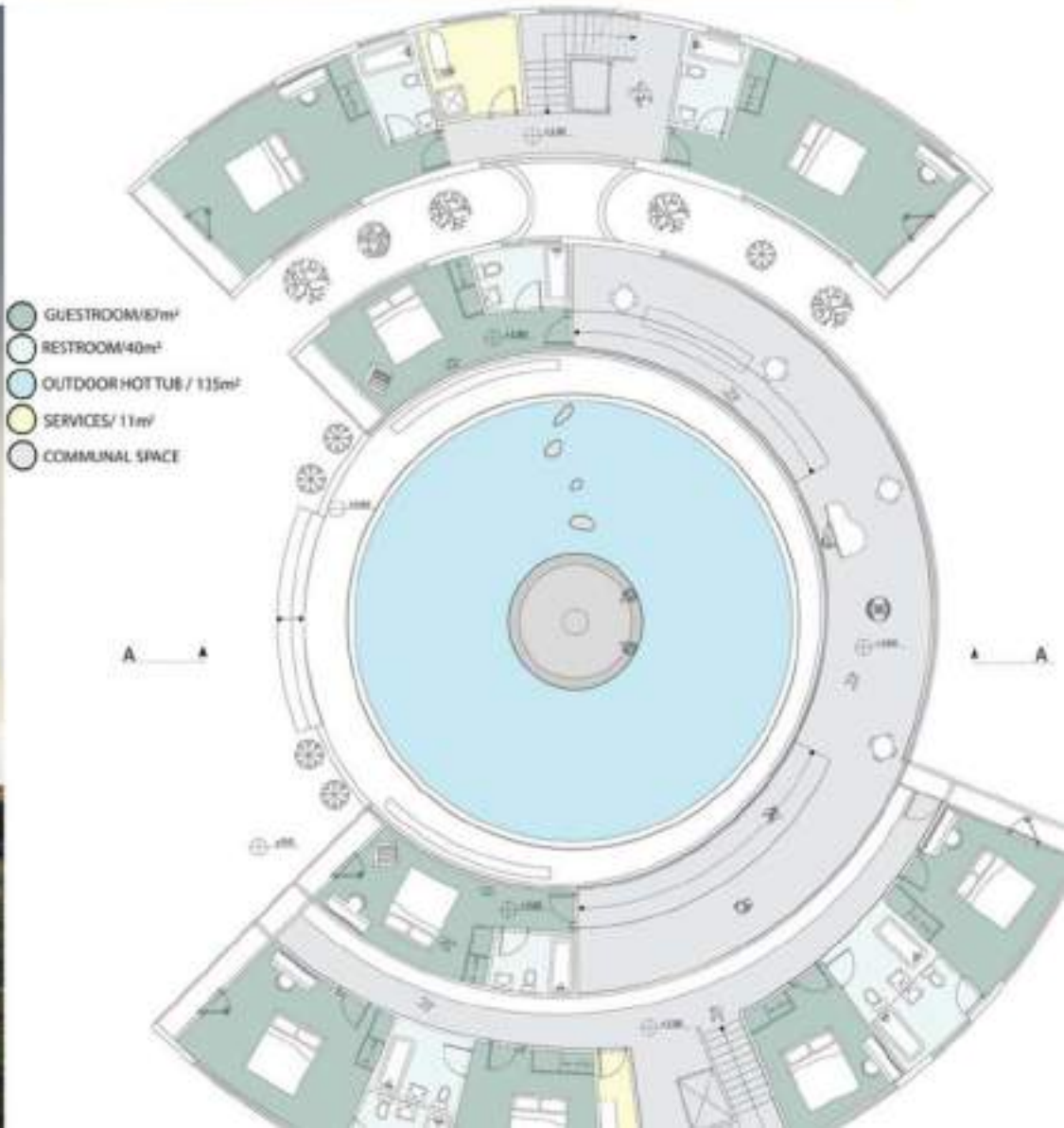
SUSTAINABILITY

By an extensive study of the native design in the area, we have deployed a sustainable, enviro ment-friendly structural Form that considers the land use. A circular design, with designated sp for small farms and gardens, in addition to the Thermal spring in the center, with architectural a residential spaces and movement circulation surrounding it, have created an efficient sustainal design plan. We have tested the structural form against natural factors such as wind and sunlight ensure the sustainability and durability of the outer environment for the visitors. We have taken t following strategies to protect the environment:

- Circulation of the underground hot-water for heating, showers, and pools
- Adding vegetation in the gaps between wooden roof beams in order to prevent energy loss
- Utilizing volcanic stones around the base of the structure as a thermal mass in order to decrea heat loss and stabilize the inside temperature

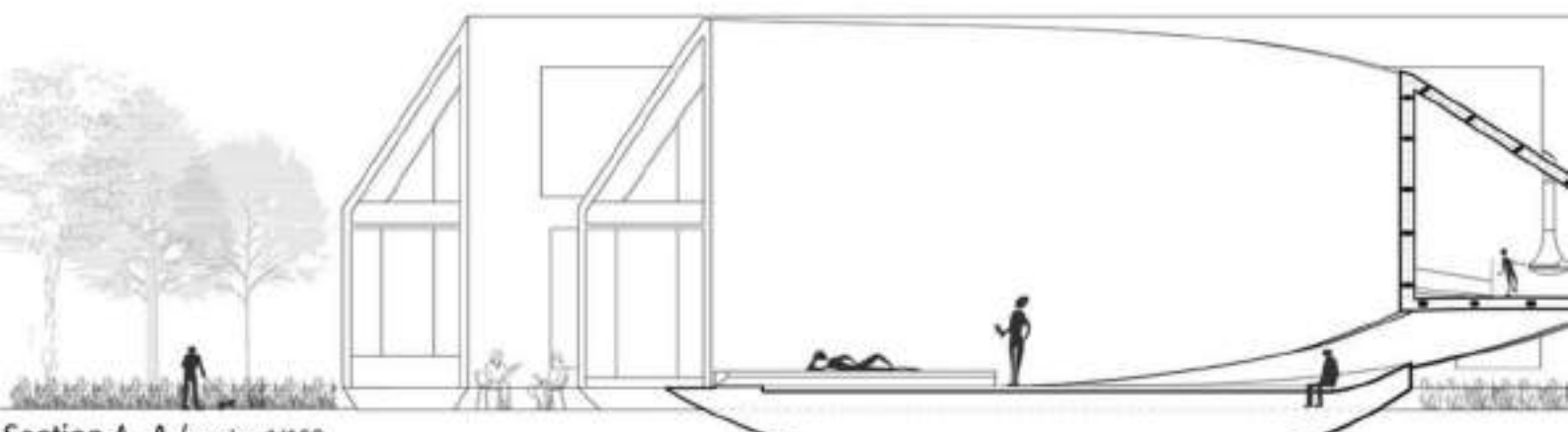
Traditional Construction





INSPI

Centuries of isolation have helped Iceland in keeping its culture intact, a culture full of classic pieces of art and literature. Architecture in Iceland have
warming. Recently, an Italian artist sent a green peace message to all human beings, raising awareness for the globa
In order to be in-line with the mainstream Icelandic design and spark the sense of f
This design has a maximum height of seven meters, surrounded by a circle. Our dynamic design, obtained by analyzing the index points, is one rigid form w
part of our design is elevated in order to provide a landmark for those inside or outside the space. We want the new design to be in conformity with its loc
The design plan is inspired by the natural cycle diagram, considering sample design cases of **Traditional houses built inside farms** and The **Arctic Heng**
traditional form in a circular rail with a 360-degree view, makes it possible to have a view over the entire site during different times of day. The new resi
landscapes, and those who love the colorful nature an

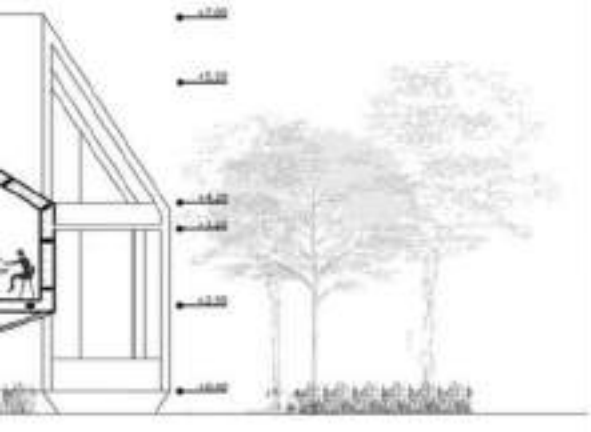


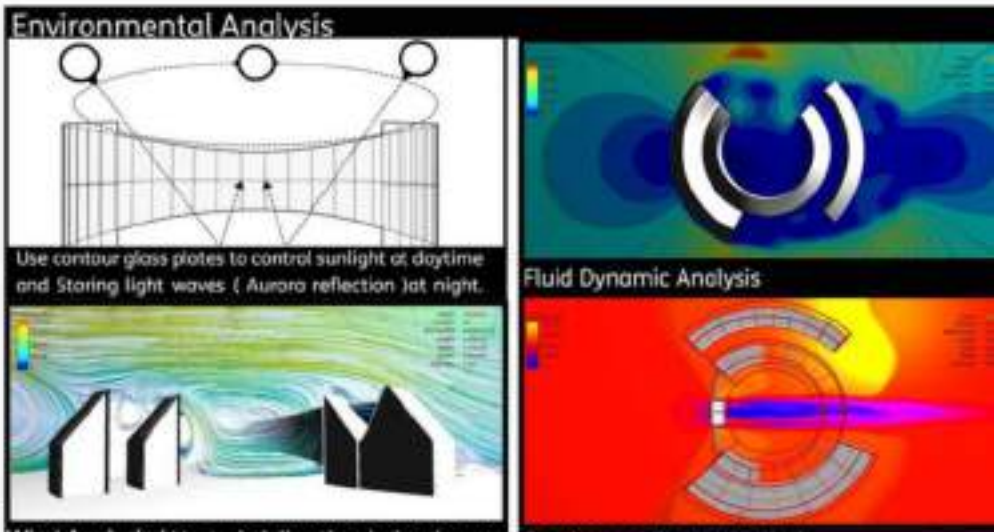
Section A- A / scale : 1/100

Exterior visualization / Dynamic reflection of Aurora lights , Reflected on the GuestHouses Thermal Sprin

RATION

e always been in-line with and inspired by the environment and have been in the forefront of responding to many international challenges such as global
al warming. The use of materials such as plastic and concrete is one of the main contributing factors to global warming.
amiliarity, our design is inspired by the current residence and its neighboring buildings.
vith multiple integrated usages that can be an exciting attraction for those seeking a location which can offer a leisure time with a taste of nature. The centr
cal surrounding and traditional form. The shape, structure, and materials conform with the natural landscape and rural farmlands in the surrounding area
ge in Iceland . The organization of architectural spaces in our design is in-line with the natural life cycle and its innate potentials. The rotation of a famili
dence will tempt many to come and stay, especially those who are interested in discovering the mysterious spaces, those who love photographing natur
d the beautiful traditional architecture design of Iceland.





Materials and Constructability

The overall design is developed with special consideration to buildability. Our first priority was to use biodegradable materials Such as wood, stone, aluminum, transparent wood (transparent volumes) in our design.

Our proposal for project design as a prefabricated structure, which can be installed on several stands, fixed in the ground.

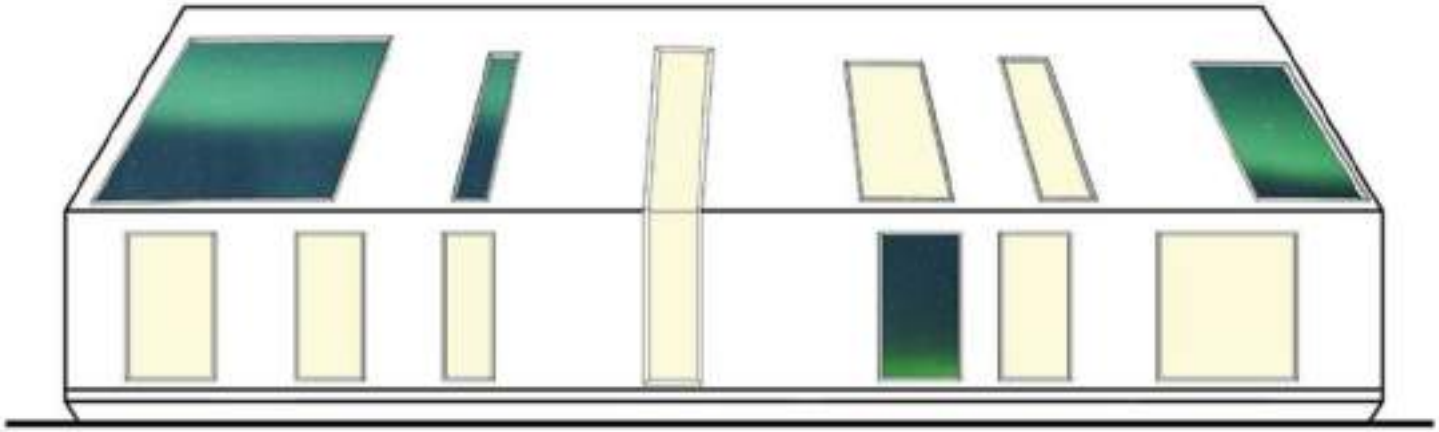
This would be beneficial, as the structure can be easily aligned by adjusting the stands. As a result, the structure can keep its integrity and structural analyses can be kept intact.

The structure is in the form of a truss, with cross spans made from Stainless aluminum, leading to a structure which is not only light-weight but also weather-resistant.

Because the aluminum production capacity of Iceland, this material has been used in the structure to exploit industry potential.

We have also used thermal and acoustic insulations in the middle layer. Our design has two prefabricated parts. The structural form is not only in-line with the architectural form, it is also low-cost in terms of materials and construction. The parts are designed in a way that they can be quickly constructed on site by local people with guidance from the construction plan. Utilizing local materials and traditional approaches will lead to the ease of maintenance and an increase in the lifespan.

Our design can be in harmony with its surrounding environment and minimizes its environmental effects. We recommend utilizing used wooden materials collected from the old local buildings after proper treatment against fire and water.



Roof
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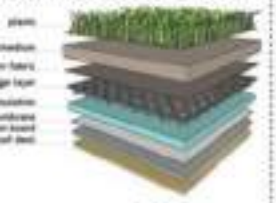
Exterior Side View visualization (Aurora integration with Guest house

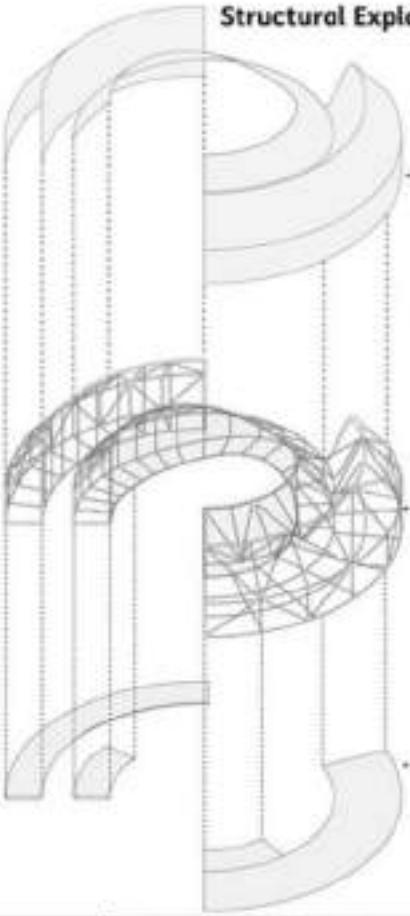
vegetation diagram

g vegetation in the gaps
en wooden roof beams
er to prevent energy loss
s **Turf Icelandic House.**



the lights are off,
e of Aurora is reflected in
irror glass of the rooms.

Structural Exploded Diagram



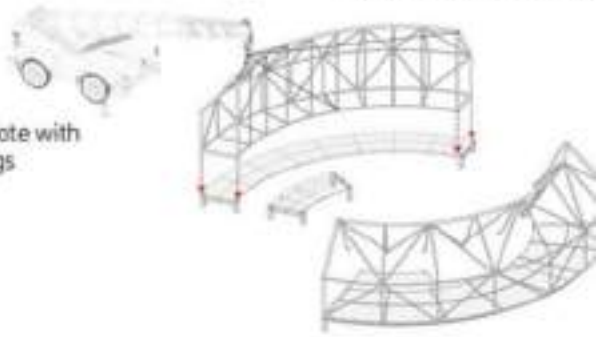
Wooden shell
Use tiled cover to integrate with the surrounding buildings

Structure
aluminium structure frames and post arrayed in circular path

Foundation
Utilizing volcanic stones around the base of the structure as a thermal mass in order to decrease heat loss and stabilize the inside temperature

Installation Method

Prefab Elements / Assembly



04. Villa in Phoenix, Arizona - Sustainable Desert Landscape

Professional Project - September 2024 Pheonix, Arizona, USA

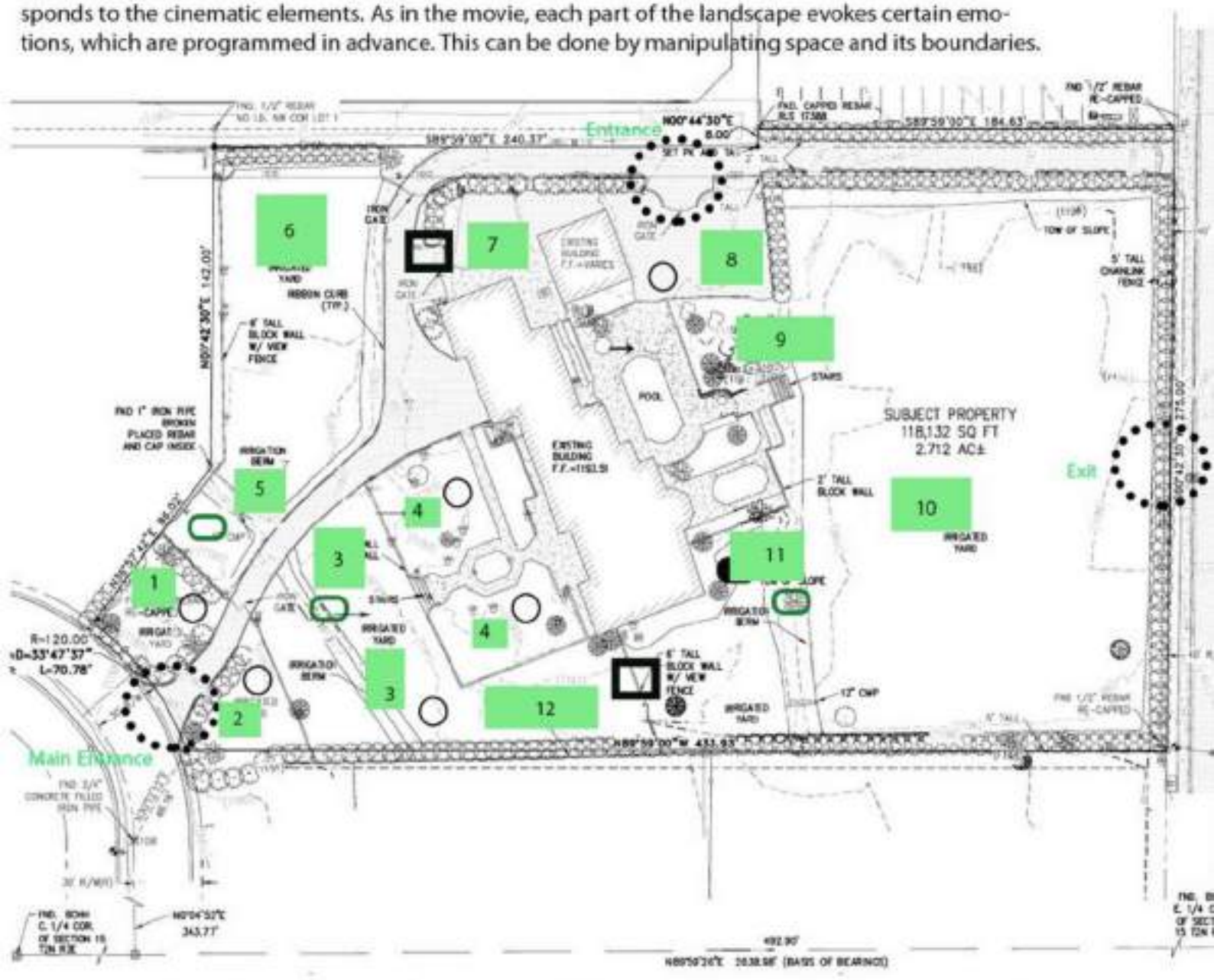
Phoenix Garden Design - A Cinematic Landscape Experience

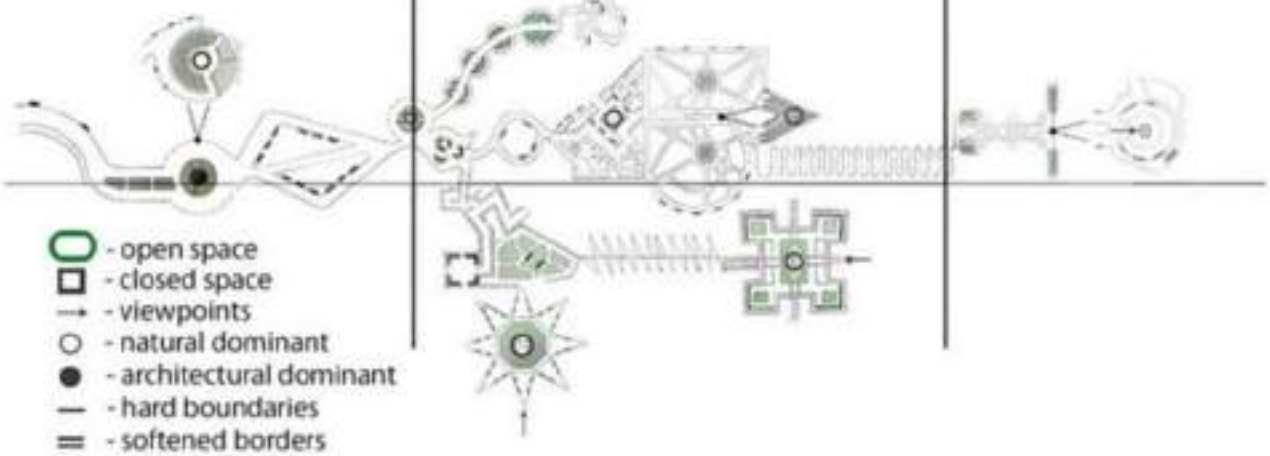
In this project, I designed a private garden in Phoenix, Arizona, integrating a cinematic sequence concept into the landscape. Inspired by the dramatic desert environment, the design guides visitors through a series of carefully framed spatial experiences, evoking movement, contrast, and emotion—much like a film scene unfolding in nature. Each section of the garden transitions seamlessly, from immersive shaded retreats to open, sunlit courtyards, creating a dynamic interplay between light, texture, and perspective. The project merges narrative-driven design with sustainable desert landscaping, crafting an evocative and engaging outdoor experience.

In the Pheonix project, by implementing a xeriscaping approach I tried to create a sustainable and low-maintenance landscape suited to the region's arid climate. By incorporating drought-tolerant plants, efficient irrigation techniques, and strategic mulching, the design minimizes water consumption while enhancing aesthetic and ecological value. The use of native and climate-adapted vegetation ensures resilience, reduces maintenance needs, and supports local biodiversity. Additionally, hardscaping elements complement the planting design, further optimizing water efficiency and creating a functional yet visually appealing outdoor space.

The Main Approach-> Cinematic method of scenario construction in the design of landscape

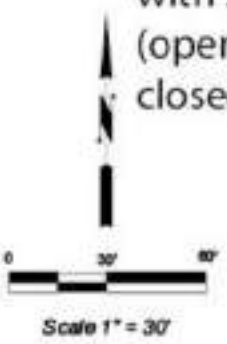
The territory of the villa's landscape is divided into several functional zones, each of which corresponds to the cinematic elements. As in the movie, each part of the landscape evokes certain emotions, which are programmed in advance. This can be done by manipulating space and its boundaries.





1 Rock Garden
2 Shade Garden
3 Japanese Garden
4 Front Yard
5 Flower Garden
6 Pickleball
7 Backyard Garden + Rain Garden
8 Vegetable Garden
9 Children playground
10 Open space
11 Outdoor Kitchen
12 Backyard Garden + Rain Garden (Gathering Zone)

In general, to create in the park environment of spaces that evoke emotions, according to the script
of the selected film, operated with such concepts as: space (open, closed, semi-open, semi-closed).



Landscape Design Strategies

Incorporating Hardscape Elements and native plant species into landscaping

Adding Shade Trees and Privacy Plants (mesquite and palo verde)

Considering Edible Gardens and Fruit Trees (citrus, fig, and pomegranate)

Using Drip Irrigation Systems

Rainwater Harvesting by designing rain gardens

Outdoor lighting

Art and sculpture in the Garden

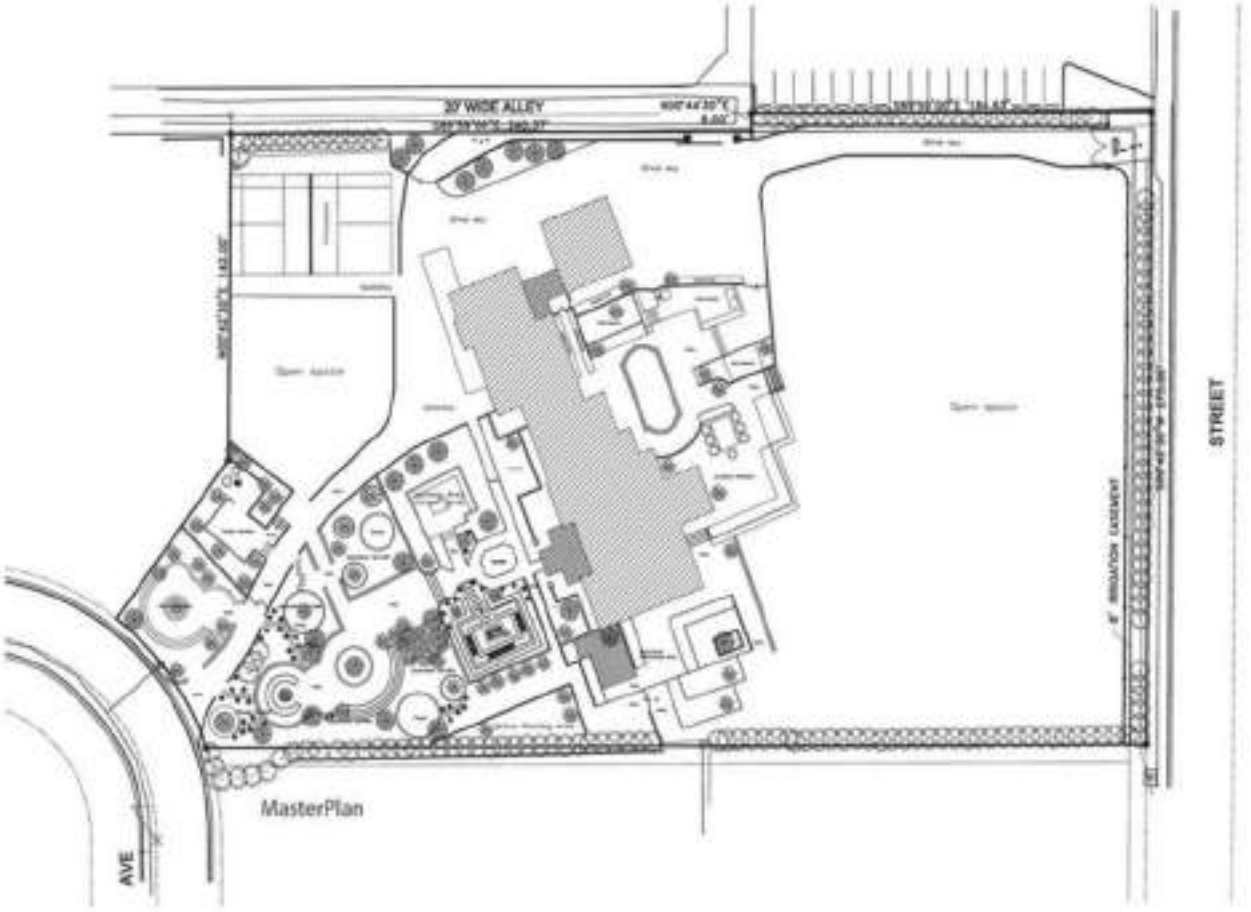
Functional and decorative planters

Creating Inviting Outdoor Seating Areas

Xeriscaping include using mulch and rocks as focal points, planting perennials and annuals, replacing greenery with seating areas .

Adding Drought-tolerant perennials

Building an eye-catching rock garden



MasterPlan : : Hardscape

Figure 1- Xeriscaping

Figure 2- Native planting and Materials

Hardscape

A matrix of paving surfaces is proposed to signify areas of importance.

Limestone Flagstone is used to donate the most important gathering areas and pathways .

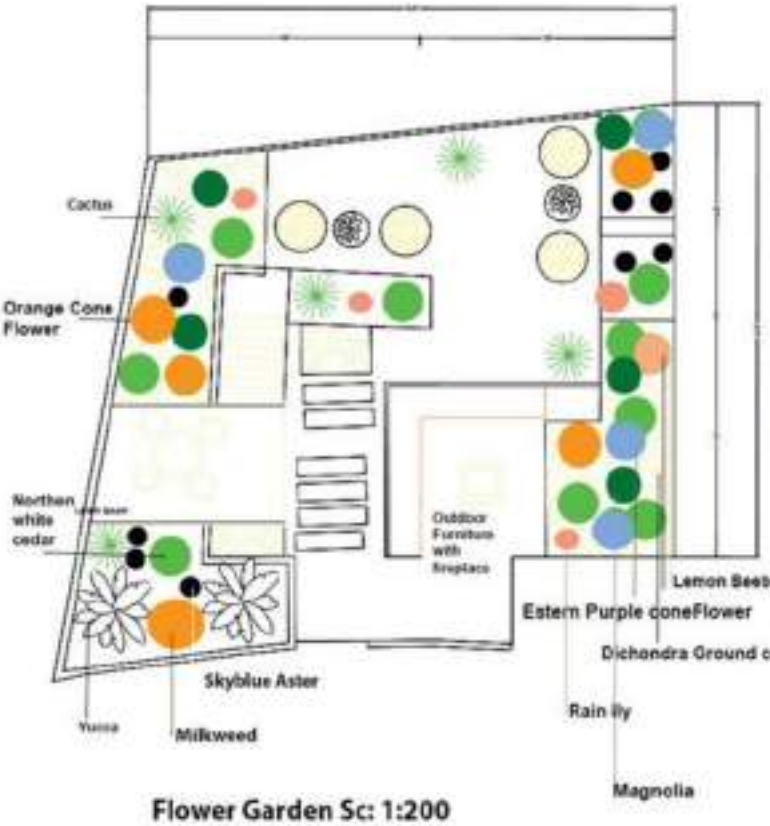
Decomposed limestone chat- this material is also historic and was used on the majority of pathways . This surface material is proposed for secondary pathways.

For a modern look stone veneer may be used on outdoor fireplaces , while tiles may be installed on the vertical surfaces of outdoor appliances.

Temprature control - Solid roofs , trees and water feauters are great for cooling the out door living spaces fire feautures that run on natural gas or propane are best for warming up chilly nights .

Erosion control - Native plants are best. Gravel is an option in areas without plants.

MasterPlan : : Developed Design



Flower Garden Sc: 1:200

The focal Point

The flower garden is designed to enhance the aesthetic aspects and outdoor living. , combining with Unique pathways and unique furnitures . plant selection tailored to the local climate.

Orange Cone Flower

Cactus

Milkweed

Rain illy

Skyblue Aster

Yucca

Northern white Cedar

Magnolia

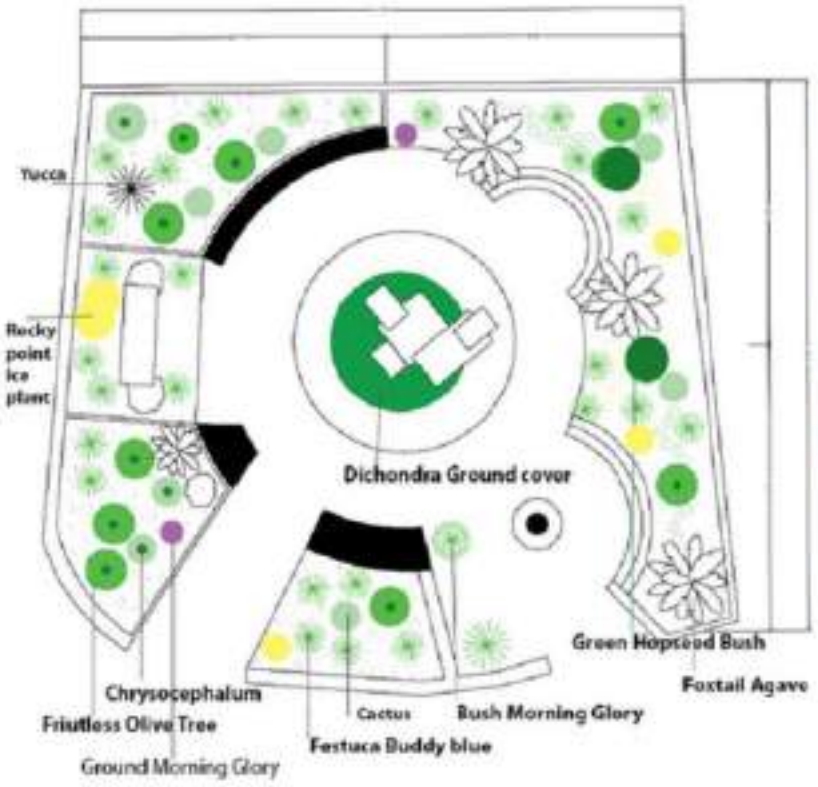
Lemon BeeBalm

Eastern purple cone flower

Dichondra Groundcover Mixed with stones

FlowerGarden Plants

MasterPlan :: Developed Design



Rock Garden Sc: 1:200

The Rock Garden combines natural stone, drought-tolerant plants, and creative layering to create a visualy striking and low-maintenance landscape, ideal for Xeriscaping. it reduces water usage, prevents soil erosion, and enhances outdor spaces with year-round structure and beauty.

Yucca

Rocky Point Ice Plant

chrysanthemum

Dichondra ground cover

Fruitless olive Tree

Ground morning glory

Festuca buddy blue

Green hopseed bush

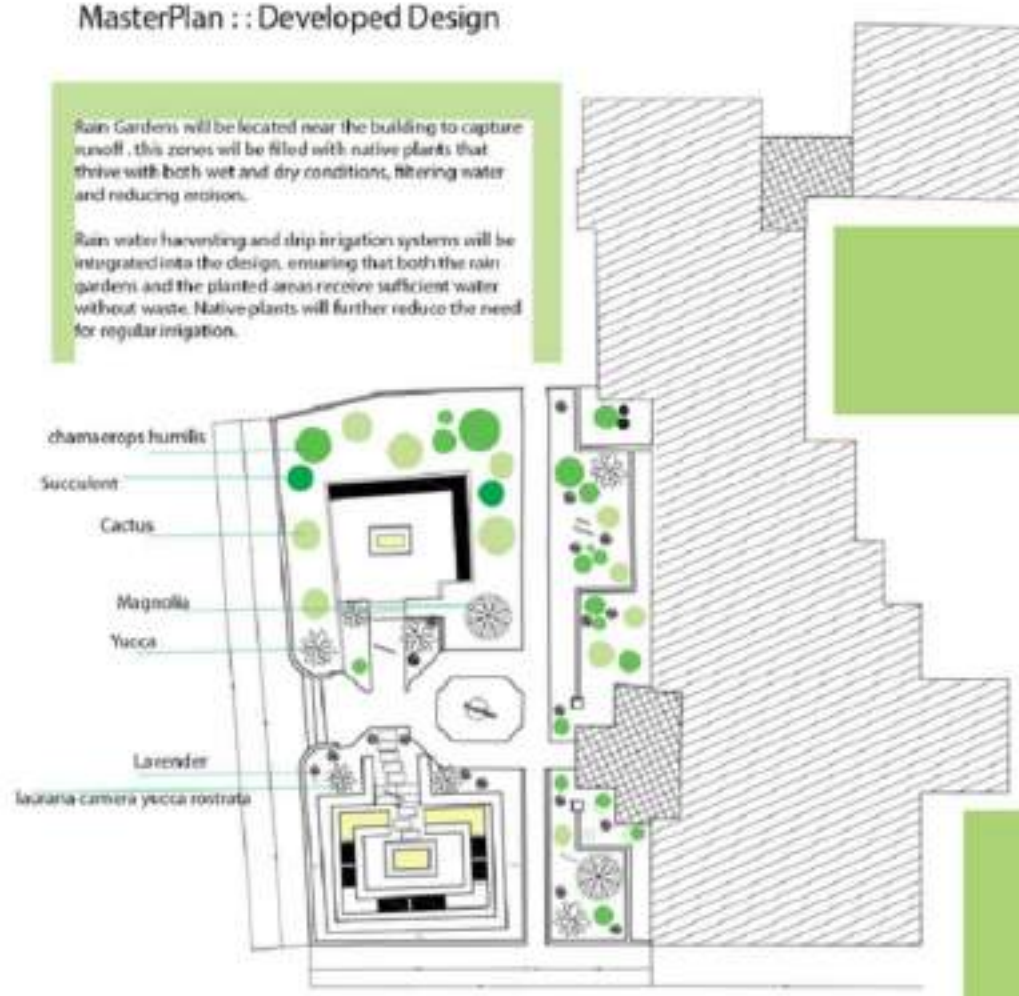
Foxtail agave

Bush morning glory

MasterPlan : : Developed Design

Rain Gardens will be located near the building to capture runoff , this zones will be filled with native plants that thrive with both wet and dry conditions, filtering water and reducing erosion.

Rain water harvesting and drip irrigation systems will be integrated into the design, ensuring that both the rain gardens and the planted areas receive sufficient water without waste. Native plants will further reduce the need for regular irrigation.



FrontYard Sc: 1:200

FrontYard Design

This front yard design project utilizes a multi-level approach to create dynamic, functional outdoor spaces that blend seamlessly with the natural environment.

The design incorporates distinct areas for seating and gathering, situated at the lower level of the garden, seperated by three gentle steps from the main yard. this seperation enhances privacy and ads depthto the landscape, while a thoughtful combination of drought-tolerant plants, including cacti, yucca, lavender, and magnolia, creates a unique blends of textures and colors.

The frontland is divided into multiple levels, with the lower seating area providing a more intimate and sheltered space for gatherings. the three step decent introduces visual interest and seperate the active spaces from the entryway and open yard areas.

The lower level is dedicated to seating and socializing with outdoor furniture placed strategically to encourage interaction while enjoying the sorrounding garden. this space will be paved with natural stone or gavel to maintain a natural aesthetic and ease of maintenance.

Lavender

Yucca

chamaerops humilis

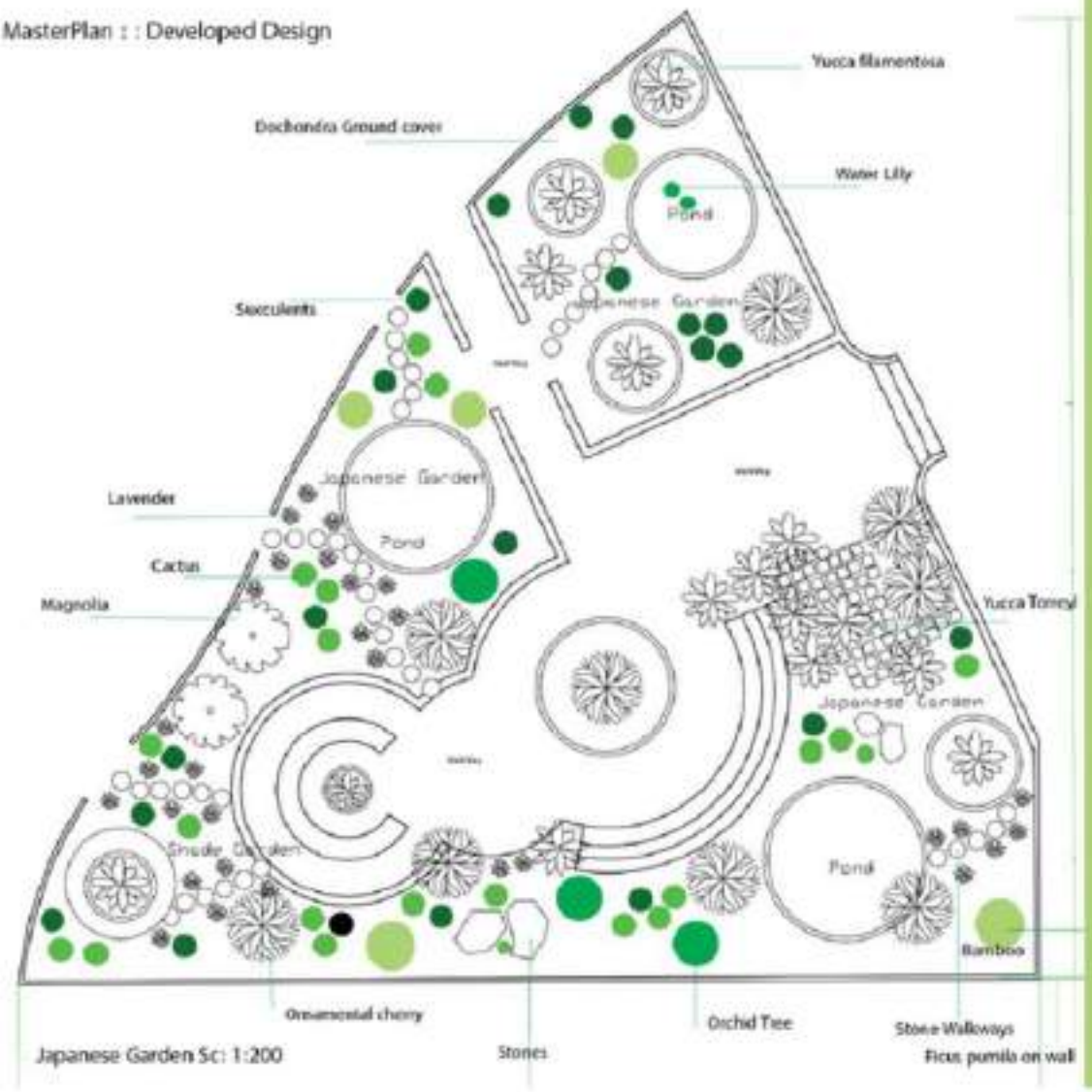
Magnolia

Cactus

Succulents

Yucca Rostrata

MasterPlan : : Developed Design



Japanese Garden Sc: 1:200

This Zone proposes the integration of japanese garden design principles into xeriscaping strategies for arid landscape of Arizona. By emphasizing on natural aesthetics, minimalism, and harmony with the environment, the japanese garden offers a unique approach to sustainable landscaping in desert region of phoenix. the goal is to create an aesthetically pleasing, low-water use garden that blends the beauty and tranquility of japanese design with the practically required in the desert environment.

The garden design wil prioritize drought-tolerant plants such as succulents, native desert shrubs, cacti, and ornamental grasses, which mimic the look of traditional japanese garden foliage while thriving in arizona's climate.

This zone aims to demonstrate how the elegance and timelessness of japanese gardens can be adapted to the challenges of arid landscapes, offering a sustainable and aesthetically rich alternative for xeriscaping in Arizona.

Yucca Filamentosa

Water Lilly

Lavender

Succulents

Cactus

Magnolia

Ornamental cherry

Orchid Tree

Bamboo Tree

Ficus pumila

MasterPlan : : Developed Design

BackYard Design - Gathering space Garden

This Zone aims to transform an underutilized backyard into a cozy, accessible gathering space for seniors and their friends, using a xeriscaping approach. Key features include comfortable seating arrangements, smooth pathways, raised planter beds, and shade structures for year-round enjoyment. The design incorporates drought-tolerant, native plants to minimize water usage and maintenance while enhancing visual appeal. Sensory elements like fragrant plants and soft lighting will create a welcoming atmosphere, fostering social interaction and connection with nature in a sustainable environment.

This zone aims to create a vibrant children's playground that features safe, engaging equipment, including swings and a round jumping structure. Designed to promote physical activity and imaginative play, the playground will ensure accessibility and safety for children. Incorporating natural landscaping and shaded seating areas, the playground will provide a welcoming environment for children . This space will serve as a lively hub for fun, creativity, and social interaction, fostering a sense of community.

Outdoor Kitchen Zone

This project envisions a stylish outdoor kitchen zone designed for cooking, dining, and entertaining in a natural setting. Key features will include a built-in grill, countertop space for meal preparation, and a dining area with comfortable seating. The kitchen will incorporate weather-resistant materials for durability and easy maintenance, while shaded areas will provide comfort during sunny days. Designed to enhance outdoor gatherings, this space will seamlessly blend functionality with aesthetics, encouraging families and friends to enjoy cooking and dining al fresco, while fostering connection with nature and each other.

Primrose

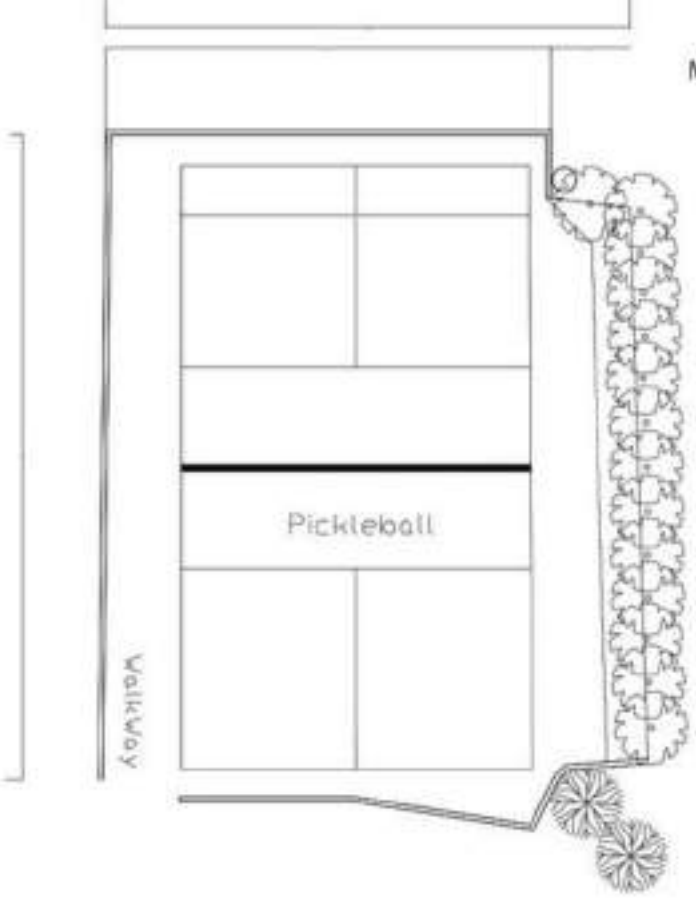
Pink evening

Agave Americana

Yucca

Laurus Noblis

Reveila Humilis



MasterPlan : : Developed Design

This Zone aims to create a dedicated pickleball zone within the villa's landscape, measuring 13.4 m by 7.79 m. The design will include a regulation-sized court featuring high-quality, durable surfacing that ensures optimal playability and safety. Surrounding the court, landscaping will incorporate native plants and greenery to enhance the natural aesthetics while providing a pleasant backdrop for players. This pickleball zone will not only promote physical activity and community engagement but also integrate seamlessly into the villa's overall landscape, creating an inviting space for residents and guests to enjoy.

MasterPlan : : Irrigation

Drip irrigation system is recommended throughout the site.
for the folowing reasons:

1. water savings , since only those areas directly under the plant roots zone are irrigated.
2. Plants undergo less stress from variations in soil moisture, plant appearance is enhanced.
3. constant moisture improves plant growth.
4. Slow application rate prevents excess surface water build-up and reduces evaporation.
5. weed growth is reduced because areas between plants are not irrigated.
6. system can be designed for use in all types terain and soil conditions.
7. system's low flow rate allows irrigation of largers areas and more plants can be watered at once.
8. Drip irrigation systems are ususally installed at costs considerably less than those of an underground sprinkler, bubbler, or shrub spray system.
9. the drip system is economical to use with native landscapes in dry weather conditions.
10. The water application rate can be tailored to fit each individual plant this is accomplished by the use of different quantities of emitters and emitters with different discharge rates.

05. Villa in Sicily - Mediterranean Garden Design

Professional Project - June 2023 Sicily, Italy

My approach to Mediterranean garden design in Sicily is rooted in a deep respect for the region's natural beauty, climate, and cultural heritage. creating landscapes that blend harmoniously with their surroundings, using drought-resistant native plants, timeless materials like limestone and terracotta, and a careful balance of structure and spontaneity. Inspired by traditional Sicilian gardens, I incorporate shaded pergolas, aromatic herbs, and water features to enhance both aesthetics and functionality. Sustainability is key, ensuring low-maintenance gardens that thrive in the Mediterranean climate while offering serene and inviting outdoor spaces.

06. Villa Mosha - Harmonizing Nature & Architecture Professional Project (Maand Architectural Office) February 2019- Mosha, Tehran, Iran

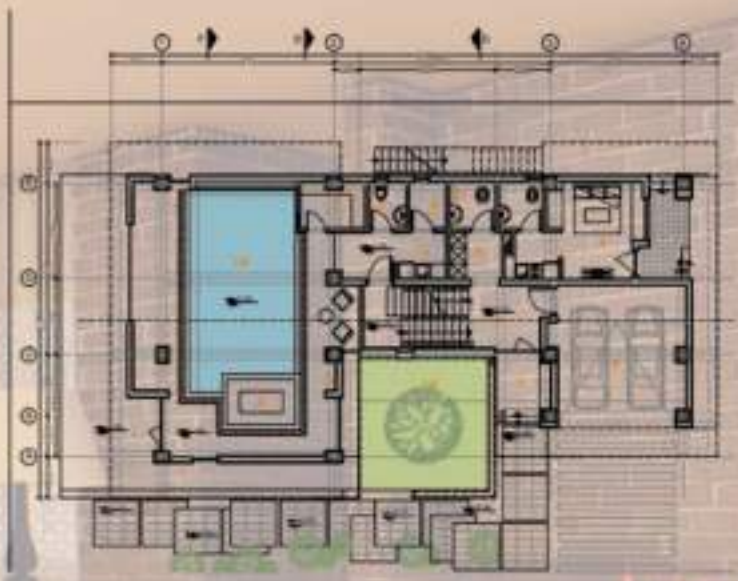
Villa in Mosha – Exterior Design Concept

The exterior design of the villa in Mosha is a seamless blend of contemporary elegance and natural harmony. Inspired by the surrounding mountainous landscape, the design incorporates clean geometric forms, expansive openings, and locally sourced materials such as stone and wood to create a warm yet modern aesthetic. A focus on natural light, spatial fluidity, and durability ensures a timeless architectural presence, while sustainable solutions enhance both environmental efficiency and comfort. The result is a refined yet inviting retreat that resonates with its natural context.

The concept of the project was to design a modern residence with no more than 600 sq. feet. This project included construction documents in AutoCAD, sketchup modeling, lumion renderings and a final foam core model.

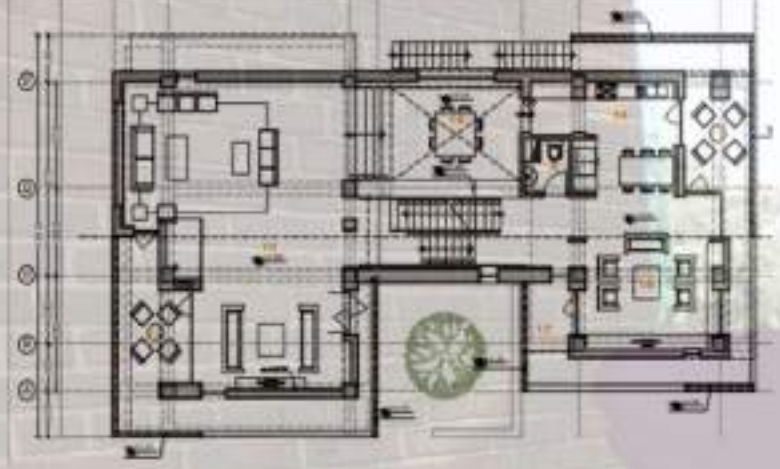
DIAGRAMS

The roof garden is designed as an extension of the villa's living spaces, offering a tranquil retreat with panoramic views of the landscape. Thoughtfully arranged seating areas create intimate and social zones, blending comfort and functionality. Built-in benches, lounge seating, and a firepit area encourage relaxation and gatherings, while greenery and natural textures reinforce a connection to the surroundings. The design ensures a seamless indoor-outdoor transition, enhancing the villa's livability and overall experience.



Ground Floor Plan
SC:1/100

Masha is an affordable housing project in Damavand county of Tehran.
For this professional project, Maand Architectural team designed a villa for a private client to chill out and rest.
The space encompasses a living room, rest area, kitchen, outdoor garden and a green roof.
I was responsible for the landscape , Interior design ,3D visualization and rendering of the project.
In addition, I created client presentations and chose interior materials.



FIRST FLOOR PLAN SC:1/100

SECOND FLOOR PLAN
SC:1/100

Mosha

Building Type: Villa

Time Line: 2017

Location: Iran,Tehran,Damavand,Mosha

Status: Under Construction

Site Area: 996m2

Design Area: 600m2

07. Mosa Building - Integrating Architecture with Nature

June 2021 - Darsena, Ravenna, Italy Academic Project

Adaptive Reuse of Mangimificio Martini - Ravenna

This project envisions the transformation of the former Mangimificio Martini, a historical industrial complex in the Darsena area of Ravenna, into a vibrant, sustainable, and community-oriented space. The design approach is guided by two key principles: enhancing residents' quality of life and implementing sustainable construction methods while preserving the site's industrial heritage.

Originally built in 1912 as a mill and cereal storage facility, the complex retains its original volume and architectural identity while being reimagined as a dynamic urban hub. The project takes advantage of strategic opportunities, including its proximity to the railway station, waterfront, and historic city center, as well as its potential to integrate tourism, public services, and green infrastructure.

Key Strategies & Design Approach:

- Urban Connectivity: Enhancing pedestrian and cycle paths to integrate the site with the surrounding city fabric and waterfront.

- Public & Green Spaces: Introducing open spaces, stepped terraces, and a green roof to create a layered and engaging urban experience.

- Cultural & Social Activation: Incorporating public amenities such as a rooftop restaurant, café, and scenic terraces, offering panoramic views across Ravenna.

- Sustainability & Ecology: Restoring the relationship with the Candiano Canal, improving water quality, and integrating ecological elements into the urban landscape.

- Industrial Heritage Preservation: Retaining the site's architectural essence while repurposing spaces for modern mixed-use development.

By merging history, sustainability, and urban regeneration, this intervention aspires to redefine the City Dock area, fostering a new identity that enriches both residents and visitors while reinforcing Ravenna's connection to its industrial and waterfront heritage.

Adaptive Reuse of Mangimificio Martini - Ravenna

This project envisions the transformation of the former Mangimificio Martini, a historical industrial complex in Ravenna's Darsena area, into a vibrant, sustainable, and community-centered urban hub. Rooted in a holistic design approach, the intervention prioritizes urban connectivity, affordable housing, ecological sustainability, and cultural revitalization while preserving the site's industrial heritage.

Key Strategies & Design Approach:

- Integrated Public & Green Spaces
- The project establishes a seamless connection between the adjacent park, pedestrian pathways, and a green roof, creating a dynamic and accessible urban landscape.
- Affordable & Modular Housing
- A residential zone consisting of six prefabricated housing unit types accommodates diverse household needs. The staggered arrangement of units introduces public terraces and open spaces, fostering social interaction and environmental quality.
- Tourism & Recreation
- The recreational zone features a rooftop restaurant and public café, offering panoramic views of the city and enhancing the area's appeal as a leisure destination.
- Creative Hub for Innovation
- The proposal for a Creative Hub in Ex-Mosa reinforces Ravenna's artistic identity by providing flexible workshop spaces that nurture creative work and collaborative practices.
- Sustainable Water Management
- A Rain Garden within the complex serves as a stormwater management system, cooling the urban environment while acting as an educational platform for environmental awareness.

By integrating sustainability, public engagement, and cultural activation, this project redefines the City Dock area, creating a resilient and inclusive space that enhances Ravenna's urban and social fabric.

ZONE 1
THE RESIDENTIAL COMPLEX

The Residential zone is composed of six pre-fabricated housing unit type, responding to diverse household needs. The units are arranged in a staggered manner providing public open spaces, as well as staggered public terraces that lead to the green roof.

The Ground level is dedicated to mixed-used which serves the community.

ZONE 2
THE RECREATIONAL ZONE

The recreational zone is composed of different areas for tourists with a restaurant roof terrace and public cafe, affording the public sweeping views across the city.

ZONE 3
THE CREATIVE HUB

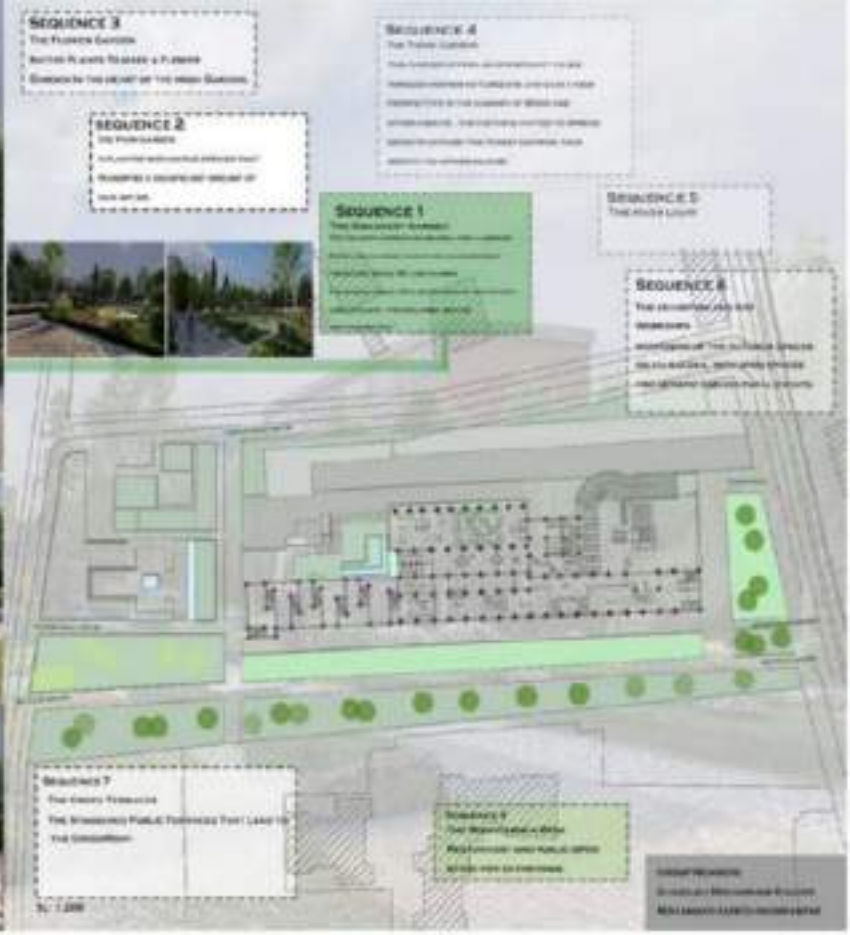
The proposal for a creative hub in Ekumeku aims at underlining the creative identity of the city. The goal is to offer community a large workshop where a variety of work wastes and practices can blown together in dynamic ways.

ZONE 4
THE PARKING
APPROACH TO SILOS

The external image is recognized by modelling a micro-perforated metal sheet after the silos have been removed.

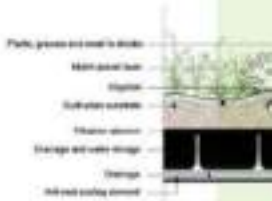

The GreenMesa


Sequence 3
Sequence 2
Sequence 1
Sequence 4
Sequence 5
Sequence 6



Restaurant

Ground floor plan scale 1:100



Rear Garden sc