

DOCUMENT FOR DEVELOPMENT OF RASGEFANNU DESIGN & BUILD

Rasgefannu Community Recreational Area Development Project

INTRODUCTION

This document serves as the design and material reference guide, detailing all required components, specifications, and concept features that must be incorporated into the contractor's final design proposal for Rasgefannu Development. All design, detailing, and material selections shall align with the concept provided and must be approved by council prior to finalization.

PROJECT OVERVIEW

Rasgefannu will be developed as a **multi-functional green recreational park**, incorporating cultural elements, leisure facilities, shaded seating, commercial kiosks, playgrounds, and a fully connected walkway system.

The primary objective is to provide a cohesive, accessible, and environmentally sustainable public area while **preserving all existing trees**.

The contractor will undertake the full Design & Build scope including:

- Final design preparation
- Structural, MEP & landscape detailing
- Procurement, construction & installation
- Testing, commissioning & handover documentation

ENTRANCE



15-foot-wide entry walkway with tree pits

- Few large steps leading the pathway (15foot in width)
- Both sides with tree pits. (width 2 foot)
- Left side with the nameboard

NAME BOARD



- Size (Length 7-foot x height 5 foot)
- Material: Treated wood
- Name: Rasgefannu

ENTRANCE SIDE – SCULPTURE



- A large, Garden themed sculpture timepiece.
- Works on both sides with vibrant plants covered structure

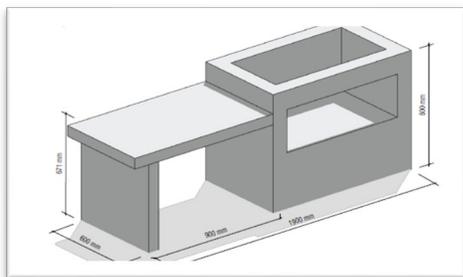
KIOSK



Kiosk : Boat-shaped wooden beverage kiosk

- Beachfront boat style wooden kiosk
- A small wooden kiosk cabin with shelves, behind the counter for drinks, décor, or storage.
- Wooden bar stools with cushioned tops, arranged along the curved counter.
- Painted in a weathered turquoise color.
- Material: Treated Wood, weather resistant outdoor paint.
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BBQ STAND



BBQ Stations: Reinforced concrete grills with countertops, vents & ash collectors

KIDS PLAY AREA



Timber playhouse with rope elements

- A raised platform with a wooden roof, supported by sturdy wooden posts.
- Wooden ladder with evenly spaced rungs and inclined climbing ramps with rope grids for access
- Wooden bridges connecting different sections.
- Wooden safety rails around the elevated platform.



Balance & coordination obstacle course

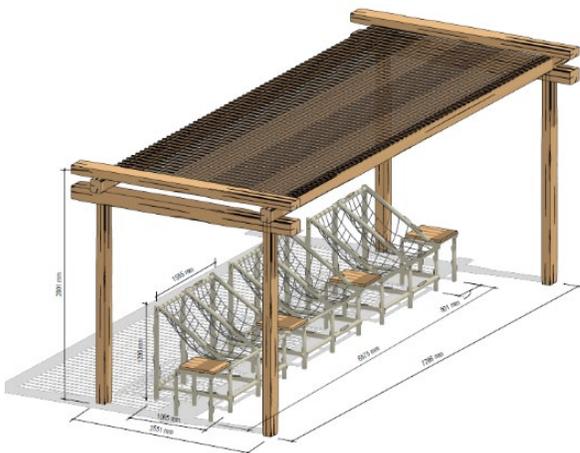
- A raised platform with a wooden roof, supported by sturdy wooden posts.
- Wooden ladder with evenly spaced rungs and inclined climbing ramps with rope grids for access
- Wooden bridges connecting different sections.
- Wooden safety rails around the elevated platform.
- Material: Treated wood, cotton rope

SKATEAREA



- Provide impact-absorbing, non-slip surfacing to minimize injuries during falls.
- Include low ramps and gentle, child-friendly obstacles suitable for young beginners.
- Install secure perimeter fencing to keep children safely within the skate area.
- Ensure an open layout that allows clear visibility for parents and supervisors.
- Use durable, weather-resistant materials designed for easy maintenance.

JOALI



JOALI WITH SHADING

- 2-seater Joali sets with drink holder in between 2 seats
- 25mm - 316 SS pipe
- Nylon rope
- Timber pergola providing shaded seating.
- Roof made of closely spaced timber slats.
- Built with weather-resistant hardwood.

SWINGS (UNDHOALI)



A wooden outdoor swing made with thick timber posts in an A-frame style.

- A simple wooden bench hung with 316 SS chains set
- Measurements:
 - Swing Length: 1.5m
 - Swing Width: 450mm
 - Height: 2m

HAMMOCK



Outdoor suspended fabric hammock

- Durable, UV-resistant canvas or polyester fabric
- Integrated under-netting for added support and comfort
- Approx. 2000 mm (adjustable based on installation spacing)
- Standard 800–1000 mm depending on model

SEATING A



Circular tree-integrated seating

- Circular table with tree pit at the center.
- Two curved benches by the table
- Material: concrete + mosaic finish
- Measurements:
 - Diameter of the tree pit: 1.5m
 - Width of table: 500mm
 - Height of table: 750mm
 - Seating length (arc length): 2m
 - Seating height: 450mm
- Finishing: mosaic finish (to be approved by council)

SEATING B (BBQ)



Concrete mosaic-finish benches

- A large, round concrete table with a sturdy pedestal base.
- Finishing: decorative mosaic plaster.
- Measurement:
 - Table diameter: 1500mm
 - Bench outer arc measurement: 3100mm

SEATING C



WPC-topped benches

- Overall Shape: Circular.
- Seat Height: 450 mm (standard).
- Seat Depth: 400–500 mm.
- Bench Thickness: 120–150 mm minimum depending on structural reinforcement.
- Backrest: 300–450 mm high

SEATING D



A circular bench with tree pits in the middle.

- Concrete base with WPC panel seat top and back rest.
- Clear Soil Area: Radius minimum 1.2–1.5 m diameter
- Integrate root barrier

SEATING E



S-shaped seating

- Overall Shape: S-shaped bench.
- Seat Height: 450 mm (standard).
- Seat Depth: 400–500 mm.
- Bench Thickness: 120–150 mm minimum depending on structural reinforcement.
- Backrest: 300–450 mm high
- Finish: decorative mosaic plaster

SEATING F&G



C-shaped seating

- Overall Shape: C-shaped bench.
- Seat Height: 450 mm (standard).
- Seat Depth: 400–500 mm.
- Bench Thickness: 120–150 mm minimum depending on structural reinforcement.
- Backrest: 300–450 mm high
- Finish: decorative mosaic plaster

HAREGE



Maldivian-style Harege structures (3 × 4.6 m)

- Material:
 - Concrete columns
 - Treated wood
 - Artificial thatch
- Measurement: 3x4.6m, height should be ideal harege height
- Roof angle: 45 degrees

SWING CANOPY



Shaded Seating area with Suspended Swings

- A curved wooden canopy supported by concrete cylindrical pillars.
- Roof should be made of treated wooden beams topped with a translucent panel (to be approved by council).
- Underneath the canopy, treated wooden swing seats (with back rest)
- Swings should be evenly spaced.

LIGHTS



Dual-Head Decorative Street Lamp

- Concrete Body Specifications
- Type: Precast reinforced concrete bollard
- Surface Finish:
 - Smooth trowel finish
 - Polished or honed concrete
 - Optional exposed aggregate finish

WALKWAY



1000 mm-wide concrete paver walkways

- Branching paths to all zones

SHADE RINGS



Shade rings with artificial grass

- Multiple circular grass zones each defined by a paved ring pathway.
- At the center of each circle is a tree pit with integrated root barrier, designed for planting trees

PLAY AREA



Outdoor recreational space designed for multiple activities.

- A spacious area covered with artificial turf.
- The surface is kept clear and unmarked, allowing it to serve multiple purposes such as casual sports, yoga, fitness sessions, picnics, or community gatherings.
- Material & Finish: Artificial turf

TOILET



Toilet block (2 units) with stone pedestal sinks

- Compact rectangular block to accommodate two toilets with smooth concrete walls and a flat wooden roof with exposed beams for a warm, natural look.
- metallic faucet mounted directly on the pedestal
- Wall mounted mirrors above each sink
- Material: Concrete and Wood

SHOWER



Rainfall-effect shower frame

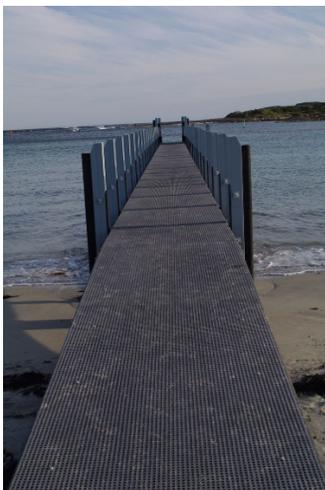
- The shower is framed by a large rectangular structure.
- Water flows in thin, evenly spaced streams from the top of the frame, forming a curtain-like effect that mimics rainfall.
- Slab at the base
- Material: Concrete with WPC panel finishing.
- Include plumbing (PVC pipe, shower valve etc)

FISHING PLATFORM



- **Structural Safety:** Platform must be stable and designed to withstand multiple users, using corrosion-resistant materials suitable for the marine environment.
- **Dimensions & Access:** Minimum width 1.5 m and length 4 m, with safe access from the revetment wall via steps or ramps.
- **Non-Slip & Safety Features:** Non-slip decking, safety railings at open edges, and rounded corners to prevent accidents.
- **Environmental Consideration:** Materials must be environmentally safe and durable against waves, tides, and saltwater exposure.
- **Maintenance & Durability:** Design should allow easy inspection, cleaning, and repair, with modular components for long-term use.

WALKWAY



- **Structural Safety:** Walkway must be stable, support pedestrian loads, and not displace or damage the tetrapods.
- **Non-Slip & Railings:** Use non-slip surfaces and provide handrails along all open edges for safety.
- **Dimensions & Access:** Minimum width 1.2–1.5 m, aligned with tetrapod layout, with safe access points.
- **Environmental Durability:** Materials must resist saltwater, waves, and corrosion, and be environmentally safe.

ENVIRONMENTAL REQUIREMENTS

- Full preservation of all existing vegetation
 - Low-energy LED lighting
 - Use of native landscaping elements
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DESIGN REQUIREMENTS

All designs, drawings, material specifications, finishes, lighting details, color palettes, and structural proposals must be approved by Fuvahmulah City Council for review and written approval before finalization and before commencing any related works. All measurements, dimensions, and layout specifications mentioned in this document must be verified and confirmed with the Council before proceeding with detailed design or construction.

The contractor shall provide:

- Full architectural design package
 - Structural & MEP engineering drawings
 - Landscape plans and planting strategy
 - Detailed material and product specifications
 - 3D visualizations or renderings
 - Environmental management and safety plans
 - Construction methodology & sequencing
 - Work schedule and timeline
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CONSTRUCTION REQUIREMENTS

The contractor must:

- Use **marine-grade, weather-resistant materials** suitable for coastal environments
- Use **SS316 stainless steel** for all outdoor fixtures and fastenings
- Maintain safety and accessibility throughout construction
- Ensure **zero damage to existing trees and roots**
- Maintain clean, safe work zones

- Provide durable and high-quality workmanship across all installations

11. Contact Information

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