

SCOPE FOR WORKS FOR DETAILED DESIGN OF Th. Atoll Store at Th. Veymandoo

Secretariat of the Kolhumadulu atoll council is seeking a party to design a concept and detail drawings for Th. Atoll Store to be built at Th. Veymandoo. The Scope of work is intended to describe the client's requirements and major components of work. All the works stated under the scope of work are subject to Secretariat of the Kolhumadulu atoll council's approval.

1. CONCEPT DESIGN

- ❖ Design Statement
- ❖ Floor plans
- ❖ 3D elevations
- ❖ Front and Side elevations and a section drawing
- ❖ 3D Elevations and interior render
- ❖ Front & Side elevation
- ❖ Interior concept

2. DETAIL CONSTRUCTION DESIGN

- ❖ Architectural Drawings
- ❖ Structural Drawings
- ❖ MEP drawings
- ❖ Technical Specifications
- ❖ Bill of Materials
- ❖ Bill of Quantities

3. 3D DRAWINGS

4. APPROVED STAMPED DRAWING SET

5. DETAIL CONSTRUCTION DRAWING.

Detailed design shall include all the construction drawings necessary to complete the project and shall include but not limited to the following.

6. ARCHITECTURAL DRAWINGS INCLUDING

- ❖ Floor plans, Sections, elevations, Ceiling plans, Interior finishing plan, roofing plans and details, ventilation schedule and connections details whereas necessary
- ❖ Doors, Windows & schedule including details and specification
 - ❖ Include details for furniture

7. STRUCTURAL DRAWINGS

- ❖ Foundation plans, Beam plans, Column plans, Structural details including connections whereas necessary.
- ❖ Structural Calculation sheets, Foundation designs
- ❖ Excavation protection method

8. MEP DRAWINGS

- ❖ Plumbing – Ground & Fresh water, wastewater, ground well details, Sewer & drain layouts
- ❖ Electrical – Solar, Power, Lighting, AC, Sound, Networking plans, duct layouts, BTU and lumens calculations and specifications
- ❖ Fire drawing with all relevant details

9. BILL OF MATERIALS

- ❖ List of materials required for completion of work including all the quantities and material specifications

10. BILL OF QUANTITIES

- ❖ BOQ with the latest market rates.

11. TECHNICAL SPECIFICATION

- ❖ Shall include detail material specifications and methodology for all the works mentioned in the BOQ and drawings
- ❖ All the materials included in the construction drawing shall be labelled and included in the specifications

12. 3D RENDERING AND MODELING TO THE SCALE

- ❖ Exterior rendering from all elevations
- ❖ Interior rendering from all 6-8 angles
- ❖ 3D Model – soft file

13. APPROVED STAMPED DRAWING SET

14. ARCHITECTURAL DRAWINGS STAMPED BY AN ACCREDITED ARCHITECTURAL CHECKER

15. STRUCTURAL DRAWING STAMPED BY AN ACCREDITED STRUCTURAL CHECKER



15. LOCATION



16. DESIGN REQUIREMENTS AND CONSIDERATIONS

A. ECONOMICAL DESIGN

- i. Designer shall consider all the ways to reduce cost of the construction, meanwhile maintain quality of the finished product.
- ii. Designer shall consider ways to maximize Natural light and Ventilation wherever possible
- iii. Designer shall consider ways to reduce maintenance costs in Design and selection of Materials.

17. SPACE ALLOCATION

- ❖ Th. Atoll Store will be built in 2600sft plot area.

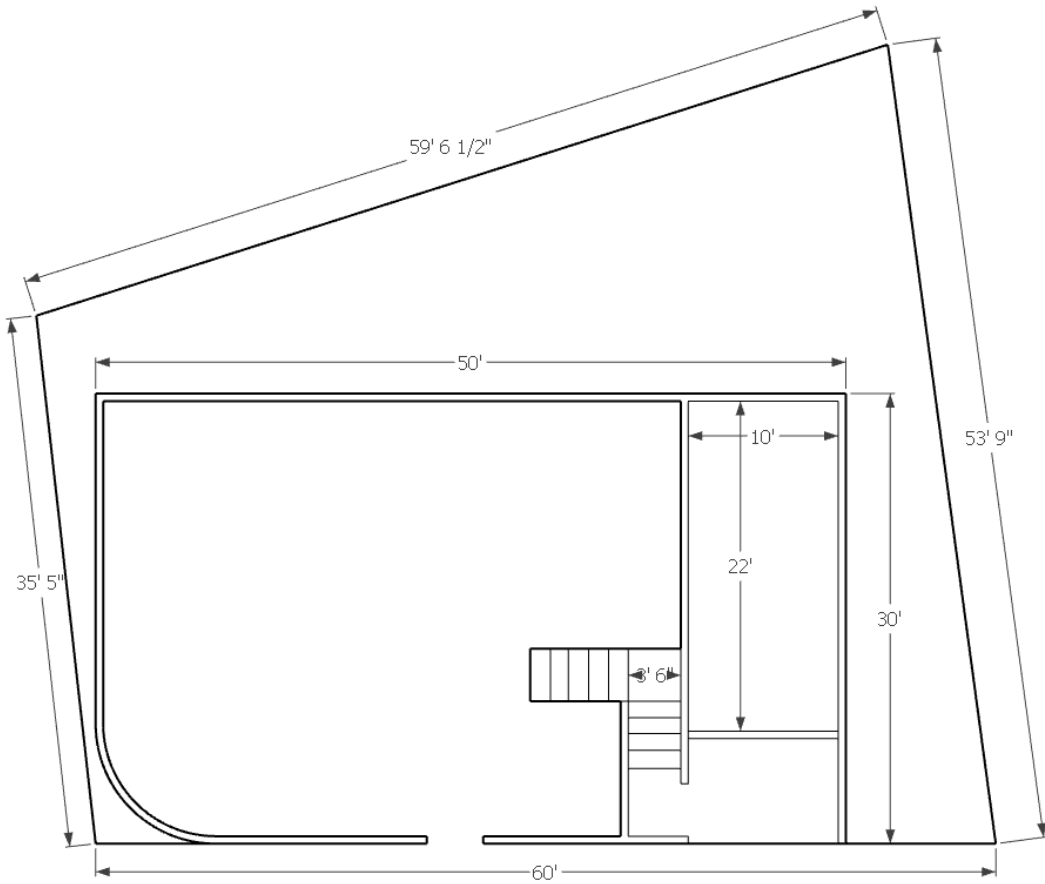
18. PLUMBING

- ❖ In freshwater line Include connection provision to groundwater
- ❖ Pump specifications

19. ROOFING/SLAB/DOME

- ❖ Consider durable roofing material
- ❖ Allow for easy access to roof for maintenance
- ❖ Consider the weight of solar installation while assuming design loads for roofing.

PROPOSED BUILDING



GROUND FLOOR

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• ދިވެހިސަރުކާރުގެ ގެޒެޓް: (IUL)239-ADS/239/2024/32

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