



PROJECT PROPOSAL

KiraKira Dental Clinic

Sept 1st, 2023



BACKGROUND

Makira province is the fourth largest province and has a population of 60,000. The densest population lives around Kirakira, the provincial capital. The rest of the population is dispersed in rural communities predominantly around the coastline.

The Problem



Old unrepairable dental equipment

- The Dental chair is 40+ years old and does not move, has no light
- The compressor does not work, so unable to provide permanent fillings



Poor quality dental care

- No autoclave to sterilise instruments, risking spreading disease through dental treatment
- Only temporary fillings, extractions and jaw fractures can be treated



Inadequate work force

- One dentist for a population of 60,000
- Due to dispersed population, outreach tours are conducted, leaving the capital with no dental services



Difficulty accessing dental care in Honiara

- Travelling to Honiara by ship takes 24 hours
- Travelling by air is cost prohibitive for most



Poor retention of dentists

- Due to Inadequate equipment and huge workload
- Over the last 10 years,
 - no dentist has stayed for longer than 18 months (except Dr Lenstar)
 - 3 years with no dentist



OBJECTIVES

- Kirakira Dental Clinic has appropriate dental equipment that can be maintained and is appropriately serviced
- Increase the quality of dental services and infection control
- Increase the types of dental services that can be delivered, including permanent restorations, gum treatment and preventive care
- Increase the capacity of dental services by enabling a second dental care provider to be posted in Kirakira
- Improve the retention of dental personnel in Kirakira



Output

- **Build a modern dental clinic with two dental surgeries, a sterilisation room, reception, office and storeroom**
 - Pre-fabrication in Australia will enable the erection of the building within 2-3 weeks, with minimal material waste.
 - Treated pine and termite-resistant particle board, as well as galvanised steel posts and flooring will ensure resilience
- **Provide quality second hand dental equipment and instruments appropriate for the Solomon Island context**
- **Provide training and ongoing support in equipment maintenance to ensure the longevity of equipment**
- **Provide training in equipment use and infection control procedures**
- **A second dentist or dental therapist to be posted to Kirakira**
- **Two Dental Assistants trained to support the second dentist or dental therapist**



PROJECT BUDGET (IN AUD)

Project Total Budget: \$

Rotary	Value	Expected Due Date
2 dental surgeries equipment <ul style="list-style-type: none">2 dental chairs with dental delivery units and light, 1 autoclave, suction unit, compressornote- no x-ray machine at present	\$27,000	August 2023 (completed)
Purchase Shipping container	\$4000	Dec 2023 (completed)
Building materials and fit out (including lights, air conditioner, cabinetry)	\$50,000	Feb 2024
Shipping transport from Brisbane to Honiara	\$7000	May 2024
Instruments and small equipment for 2 dental surgeries	\$5000	July 2023 (close to completed via donations)
Total:	\$93,000,000	

Funding needed \$57,000 AUD



PROJECT BUDGET (IN SBD)

Central Makira Constituency	Value (SBD)	Expected Due Date
Shipping costs from Honiara port to Kirakira, including port charges	\$?	Sept 2023
Labour for unloading the shipping container and safe storage of materials until the building starts	\$?	Sept 2023
Labour costs for building construction	\$?	Oct 2023
?accommodation	\$	Oct- Nov 2023
Total:	\$	

Provincial Health Department	Value (SBD)	Expected Due Date
1 return Airfare and accommodation (one night) for the Solomon Island Dental Bio-medical technician to service equipment on a yearly basis	\$3300	April 2024 (recurring yearly)
Budget \$3000 SBD per year for equipment maintenance and repairs	\$3000	April 2024 (recurring yearly)
Accommodation for Australian builder (12 nights), biomedical technician (5 days) , dental assistant (5 days) total: 22 days	\$8050	Oct 2023
Total:	\$14,350 SBD	



TIMEFRAME

PHASE One

- Secure funding and commitment from stakeholders
- Clearly define roles and responsibilities
- Develop and sign an MOU

PHASE TWO

- Source Dental equipment required
- Source building materials and pre-fabricate dental clinic in Australia

PHASE THREE

- Transport shipping container from Brisbane to Honiara to Kirakira
- Unload shipping container to safe storage location

PHASE FOUR

- Build the Dental Clinic in Kirakira
- Install Dental equipment
- Provide training in equipment use and maintenance

PHASE FIVE

- Evaluation of equipment and service by Australian Bio-medical technician
- Dental Assistant review practice protocols (equipment maintenance, infection control)

● Jan 2024

● Jan - March 2024

● May - July 2024

● Aug - Sept 2024

● April 2025



Team members



Dr Som-Ling Leung, Australian Project manager

- Collaborate with builders to design the dental clinic
- Coordinate shipping from Australia
- Source suitable dental equipment
- Develop and oversee budget
- Project implementation, monitoring and evaluation
- Mentor Dr Lenstar in project management



Dr Lenstar Hagatea, Solomon Islands Project manager

- Team leadership
- Oversee execution of the project in Kirakira
- Risk identification and mitigation strategies
- Dental Equipment maintenance
- Inventory planning and management for instruments and materials
- Infection control protocol implementation



Makira Provincial Government

- Coordinate shipping from Honiara to Kirakira
- Coordinate unloading of the shipping container and safe storage of materials
- Source appropriate labour from Makira Province



Jack Vissner, Australian Builder

- Design dental clinic
- Source building and fit out materials and pre-fabrication of dental clinic
- Oversee packing of shipping container
- Provide required extra tools for building the dental clinic
- Support John Marshall, lead builder, in Kirakira



John Marshall, Solomon Islands Lead Builder

- Oversee and manage the building from start to completion in Kirakira
- Ensures safety of all workers during building phase
- Ensures quality of workmanship



Team members



John Harara, Provincial Health Director

- Budgeting for yearly Dental equipment servicing (including airfares from Honiara, accommodation and repair parts)
- Support and mentor for Dr Lenstar to achieve objectives and activities
- Land allocation of 22.4m x 7.35 m. Building is 14.4m x 7.35m. An extra 8m will allow for future additional surgeries if required.



Davis Harara, Bio-medical technician

- Install dental equipment and provide training to Solomon Island's bio-medical technician
- Provide ongoing consultation support for equipment issues



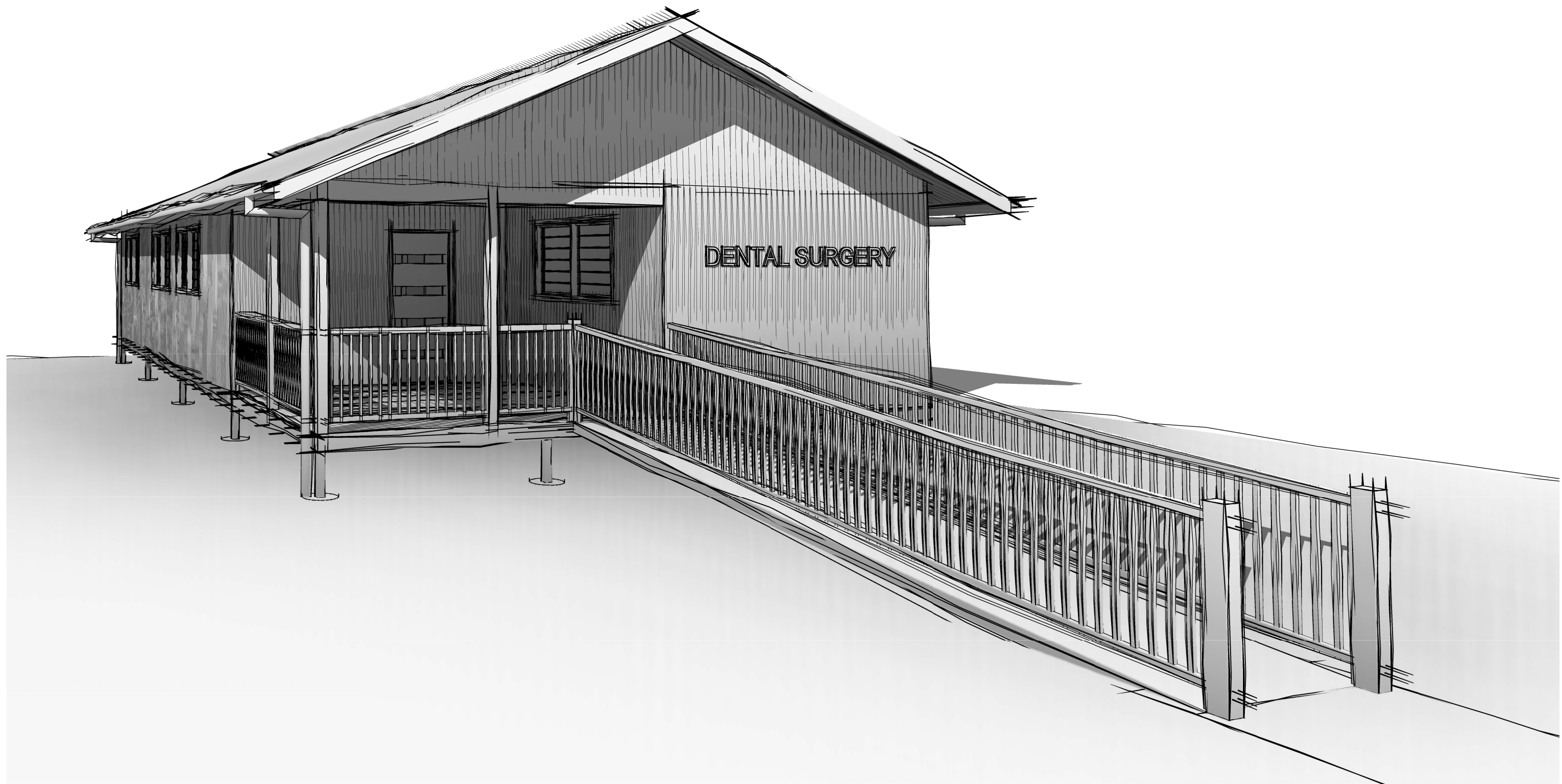
Nerolee Huxham, Australian Dental Assistant

- Provide training in equipment maintenance, infection control, patient flow, inventory management



MONITORING & EVALUATION

- Dr Lenstar and John Harara to provide feedback on the design and functionality of the dental clinic after 6 months.
- An Australian Bio-medical technician is to visit Kirakira Dental Clinic six months after opening to review equipment and maintenance schedules.
- An Australian Dental Assistant is to visit Kirakira Dental Clinic six months after opening to review infection control and equipment maintenance manuals and procedures.
- Based on these evaluation reports, Som-Ling Leung will organise follow up.
- Dr Lenstar to provide monthly reports on procedures completed and number of patients seen. We hope to see an increase after the dental clinic is built.



Perspective View

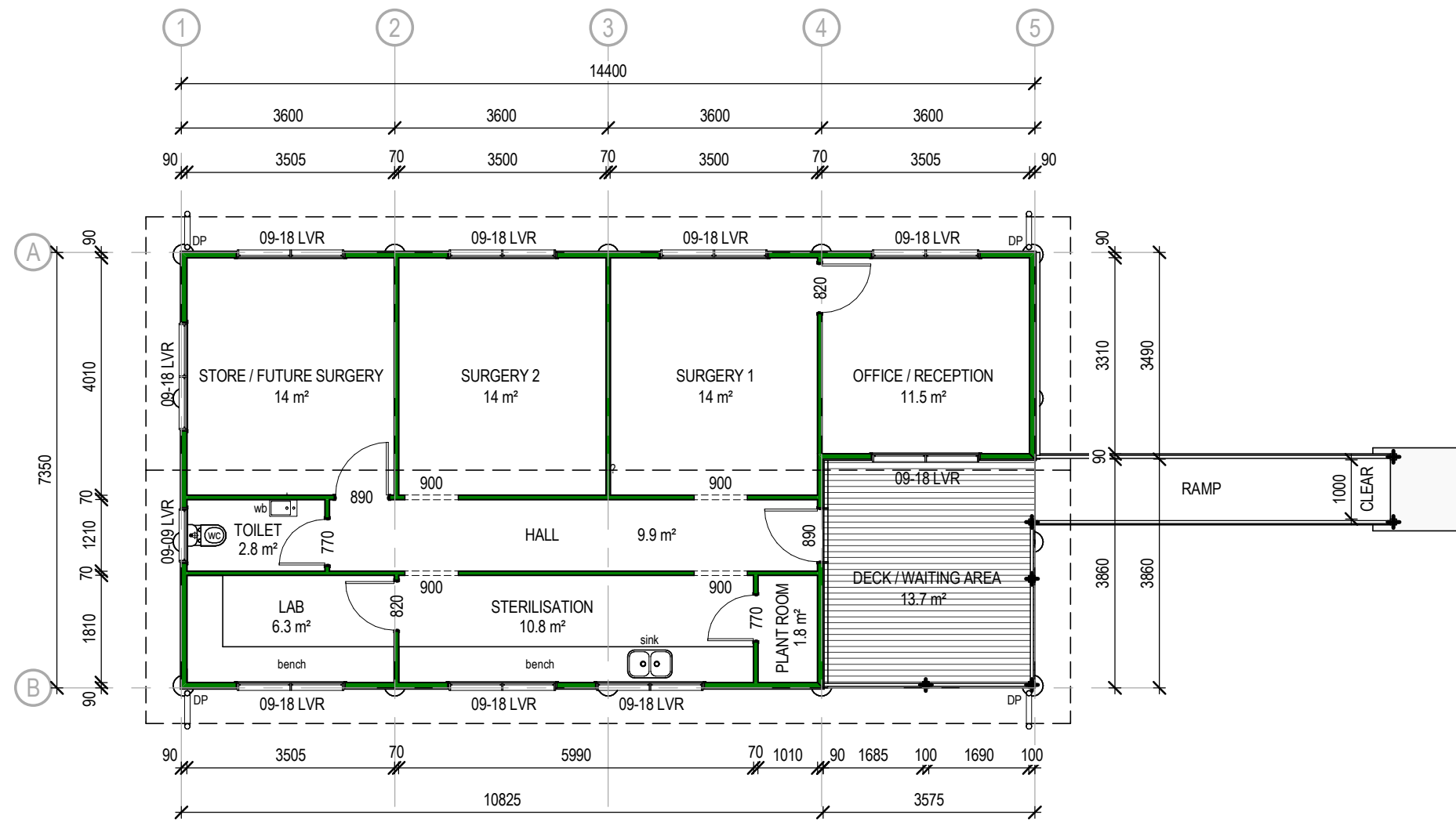
Project: New Dental Surgery

Address: Kira Kira, Solomon Islands

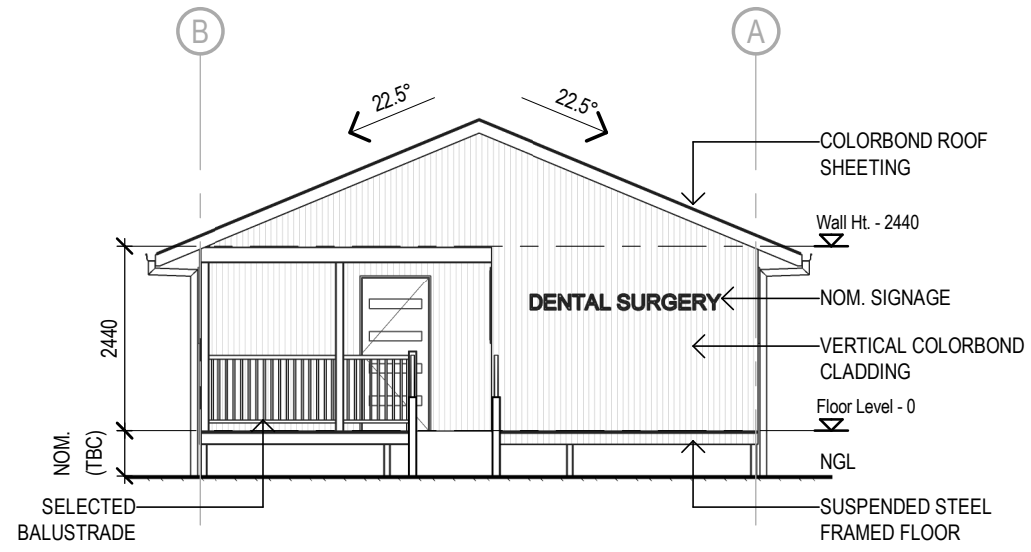
Stage: Concept Sketch

DRAWING SCHEDULE

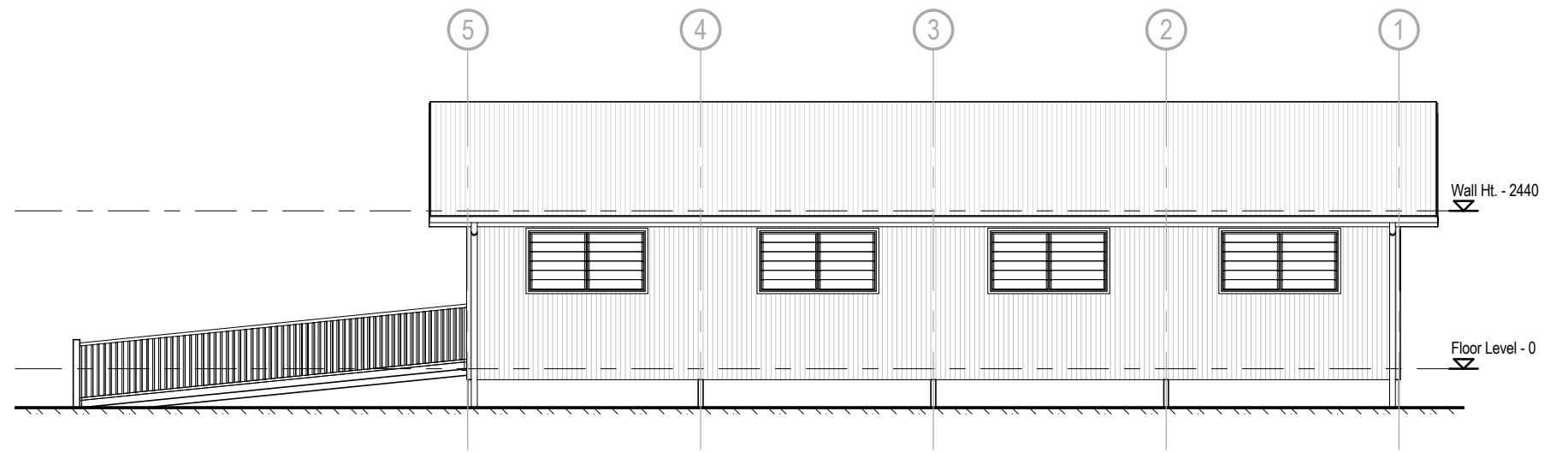
SHEET No#	DRAWING TITLE	REVISION	REV. DATE
A0.00	COVER SHEET	A	30-03-23
A1.01	BUILDING FLOOR PLAN	A	30-03-23
A2.01	BUILDING ELEVATIONS	A	30-03-23



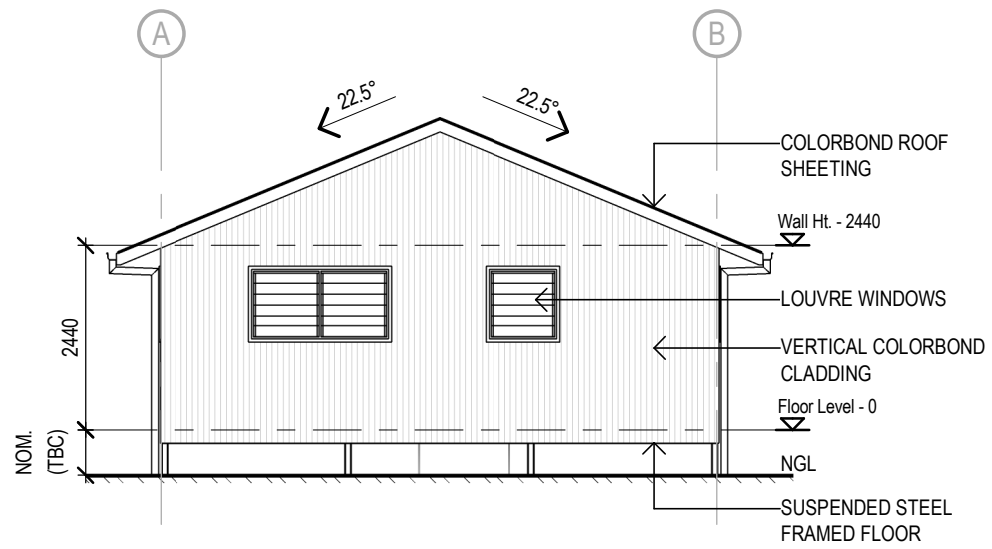
1 Building Floor Plan
Scale 1 : 100



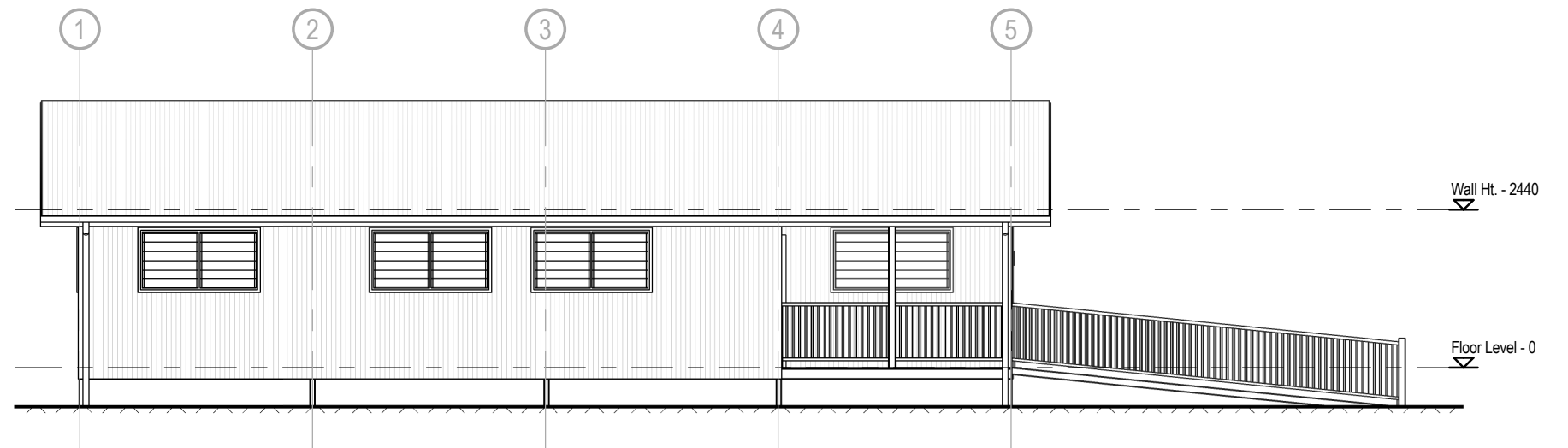
Front Elevation
Scale 1 : 100



Side Elevation (Right)
Scale 1 : 100



Rear Elevation
Scale 1 : 100



Side Elevation (Left)
Scale 1 : 100