



# Request for Quotes: Rarotonga Hospital IT Storage & Office Facility– Electrical Works

The Cook Islands Investment Corporation (CIIC) on behalf of Te Marae Ora Ministry of Health (TMO) is inviting quotations from local contractors for the electrical works for the new IT Storage & Office Facility at the Rarotonga Hospital.

The scope of works is outlined in Attachment 1.

<b>Deadline for submission of quotes:</b>	3.00pm Friday 27 May 2022 (CI Time)
<b>Indicative contract start date:</b>	6 June 2022
<b>Contract Period:</b>	Approximately 3 months

## Conditions of Quotation

### 1. Contents of this RFQ

This RFQ consists of:

- Conditions of Quotation
- Attachment 1: Scope Of Works
- Attachment 2: Assessment Criteria
- Attachment 3: Pricing Template
- Attachment 4: Conflict of Interest Declaration Template
- Attachment 5: Drawings

The successful applicant will be engaged under a **Service and Works contract** arrangement.

### 2. Quotation Requirements

Quotations must be addressed to:

Cook Islands Investment Corporation  
Avarua  
Rarotonga  
Subject line: **Rarotonga Hospital IT Storage Facility – Electrical Works**

Quotations must be sent by email to [ciic.projects@cookislands.gov.ck](mailto:ciic.projects@cookislands.gov.ck).

**Applications are due by 3.00pm Friday 27 May 2022 (CI Time)**

Applications must contain the following:

1. Cover letter outlining Respondents details including relevant experience, details of the certified electrician, sub-contractors (if any), availability within the prescribed period, and other key information,
2. Pricing Template (Attachment 3),
3. Conflict of Interest Declaration (Attachment 4).

### 3. Communications regarding this RFQ

All correspondence and questions relating to this RFQ must be in writing via email and directed to the Nominated Contact:

Alana Short, Activity Manager  
Cook Islands Investment Corporation  
Rarotonga, Cook Islands  
Email address: [alana.short@cookislands.gov.ck](mailto:alana.short@cookislands.gov.ck)



During the RFQ period, respondents must not contact any CIIC staff member in relation to this RFQ, or any other person associated with the RFQ, other than the person listed above.

#### **4. Confidentiality**

CIIC will treat all quotes in confidence. Respondents are advised that CIIC is subject to the Official Information Act 2008. CIIC cannot guarantee that information marked as Commercial – In Confidence can be protected if CIIC receives a request for information under the OIA.

#### **5. The RFQ Process**

CIIC reserves the right to change, suspend, cancel or reissue this RFQ, or the contents of the RFQ documentation at any time.

CIIC shall have no liability for any information it provides, or for any cost or loss to any respondent, in the event that this RFQ is cancelled, suspended, changed or reissued.

CIIC reserves the right to negotiate without restriction with respondents after the close of the RFQ on any matter contained in the quote, without disclosing this to any other person. CIIC reserves the right to accept or reject any, or all quotes, and to cancel the RFQ process, at any time, thereby rejecting all quotes, prior to any contract being awarded.

#### **6. Evaluation of Quotes**

Quotes will be assessed against the criteria outlined in Attachment 2: Assessment Criteria. CIIC reserves the right to clarify or request additional information from any respondent before accepting any quote and to implement additional processes to evaluate the quote. The lowest priced quote, or any quote, will not necessarily be accepted.

Each respondent shall be notified in writing as to whether or not it has been successful as soon as possible. CIIC reserves its absolute discretion in the evaluation and selection process.

#### **7. Subject to Contract**

Quotes are submitted on the basis that no binding legal relations with CIIC are created unless and until a formal written contract is signed by both CIIC and the successful respondent. The acceptance by CIIC of any quote, whether with or without negotiation, shall not create binding legal relations between CIIC and the party whose quote has been accepted or which is being negotiated with CIIC.

If, in the opinion of CIIC, and at CIIC's sole discretion, none of the quotes submitted are acceptable, CIIC reserves the right to enter into negotiations with one or more of the respondents for a satisfactory offer.

#### **8. Governing law**

This RFQ is governed by Cook Islands law, and the Cook Islands courts have exclusive jurisdiction to all matters relating to this RFQ.

#### **9. Contract Negotiations**

Both parties agree to negotiate in good faith, and on successful conclusion of negotiations the preferred Respondent will sign a formal contract with TMO.



## Attachment 1: Scope of Works

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### About this document

This document specifies the Scope of Works for the Rarotonga Hospital IT Storage Facility Electrical Works contract.

### Background and purpose

Te Marae Ora Ministry of Health requires a new IT Storage & Office Facility at the Rarotonga Hospital. The new building will be located within the vicinity of the Pharmacy Warehouse, situated on the northern side of the hospital hill, below the Surgical Ward.

Through this RFQ process, a contractor will be selected to complete the electrical installation works. Separate contractors will be engaged to undertake the construction works and IT data network installation.

The implementation period is approximately three (3) months commencing early June 2022.

### Scope of Works

The Contractor will be responsible all electrical works in accordance with Drawing sheet 1.17 and related General Notes on Drawing sheet 1.2 and 1.3 in Attachment 5. The electrical works include:

- a. Supply, installation and commissioning of all electrical services:
  - i. Internal and external wiring for lighting and power outlets
  - ii. Distribution board, circuits & switches
  - iii. All lights, power sockets & cable trucking
  - iv. Mains power supply from Hospital
  - v. Allowance for an additional ten (10) 10amp double power sockets and wiring with locations to be confirmed by CIIC.
- b. Supply, installation, and commissioning of Cavius fire alarm system
- c. Supply and installation of air conditioning units and ventilator
- d. Obtaining electrical wiring permits and sign-off;
- e. Coordinating timing for installation with the CIIC and Building contractor.
- f. Managing the Contractors work including contract administration, site and off-site activities, and implementation of Health and Safety plans;
- g. Providing all materials tools, equipment, plant, machinery and operators, labour and certified tradesmen to complete the Works;
- h. Settling all costs, whether direct or indirect, relating to employees, agents and/or sub-contractors;
- i. Provision of weekly updates to the CIIC on work completed and work yet to be completed, and attending weekly site meetings;
- j. Attending to and rectifying all defects notified to the Contractor within the 12-month defects liability period.

The Scope of works excludes installation of data cabling and equipment.

### Specifications of works:

#### General Requirements

- a. All work must comply with the Cook Islands Energy Regulations 2006. Prior to the Works commencing and within one (1) week of signing of the Contract, the Contractor must obtain and submit to the CIIC an Electrical Wiring Permit for the Works. All necessary inspections, tests, defect remedial works and completion signoffs shall be undertaken and or arranged by the Contractor. Any site inspections required by the Energy Inspector shall be scheduled in advance by the Contractor with the Energy Inspector.
- b. All installation work must satisfy the requirements of the Regulations and referenced AS/NZS3000 Wiring Rules. All work must be carried out or supervised by appropriately qualified and/or trained personnel.



- c. In carrying out the Work the Contractor must ensure the necessary health and safety precautionary measures are in place and are managed appropriately throughout the Works.
- d. The Contractor must dispose of all debris and excess materials.
- e. Work on the Site is restricted to Monday to Saturday, between the hours of 7am to 6pm. Access to the worksite must be coordinated in advance with the CIIC and building Contractor. No work is permitted on Sundays. Work on public holidays may be permitted subject to prior approval of the CIIC.
- f. Noise on site must be minimised so far as reasonably practicable. Specific times may be set for work that may generate excessive noise.
- g. Underground and overhead services must be protected from damage. Any accidental damages shall be reported to the CIIC immediately. The Contractor shall be liable for any damages caused to services resulting from the Contractors negligence.

#### **Mains power supply**

- h. The mains power supply shall be sourced from the main hospital compound and be connected to the existing hospital standby generator. All cables shall be laid underground.
- i. Contractor to identify most economical route to power source.
- j. The Contractor shall carry out the associated works including but not limited to trenching, laying, inspections, testing and commissioning.

#### **Cables & cable installation**

- k. All cables shall be concealed above ceiling linings
- l. Contractor to install maxi-trunking horizontally above workstations (approximately 800mm above floor level) for electrical wiring and data cabling. Contractor to run electrical wiring through mini-trunking (to create a barrier between electrical and data cabling) inserted in maxi-trunking. Separate Contractor to run data cabling directly in maxi-trunking. Locations for vertical droppers to be confirmed by CIIC before installation. Power sockets to be mounted above maxi trucking
- m. Cabling for light switches and remaining power sockets to be run vertically from ceiling in mini trucking or concealed behind new wall lining.

#### **Cavius fire alarm system**

- n. The Cavius wireless alarm family is the preferred system. Smoke and heat detectors shall be installed as indicated on the drawings, and interconnected according to the manufactures installation instructions.

#### **Network Cabling and data ports**

- o. Data cabling and equipment will be installed by a separate Contractor.

#### **Air conditioning units**

- p. The air conditioning units (3) shall be sized to suit the respective rooms and installed by a certified installer.

### **Material selections:**

All materials to be supplied shall be brand new and not second hand or refurbished in any way. Where a specific grade or product detail is not specified the Contractor must ensure the quality of the material selected is fit for its intended purpose. All exterior fixtures shall be IP65 rated.

### **General Expectations of the Contractor**

The Contractor is expected to be able to work collaboratively with the CIIC to complete the project to a high quality standard. This includes providing feedback and offering advice and working with CIICs nominated project manager and building contractor to proactively manage any issues that may arise proactively.



## Attachment 2: Assessment Criteria

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No.	Assessment Criteria	Weighting (%)
1	Track record	50%
2	Value for money	50%
Total		<b>100%</b>



## Attachment 3: Pricing Template

All amounts are to be in New Zealand dollars and to be exclusive of CI Value Added Tax.

<b>No.</b>	<b>ITEM DESCRIPTION</b>	<b>TOTAL</b>
1	ELECTRICAL INSTALLATION WORKS	
	Labour	
	Material	
	Permits, administrative and other costs	
	<b>Sub-total</b>	
	<b>VAT</b>	
	<b>TOTAL</b>	



## Attachment 4: Conflict of Interest Declaration

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A conflict of interest arises if you or a close family member has an interest e.g. is a board or committee member or is employed in a senior position in the Government agency that wants to purchase the goods or services relating to this RFQ process.

In submitting this Quote I declare:

- That I understand an actual, potential or perceived conflict of interest may arise in participating in this quote process and that I am obliged to declare any such conflict of interest.
- That in submitting this information that I have either declared any potential conflicts of interest or that I am not aware of any situation or issue that would conflict with the interest of the CIIC.
- If a conflict of interest arises at any time before the selected Respondent has been awarded the contract, I will advise the CIIC immediately.
- I have personally completed this declaration on behalf of the Respondent and declare that the submitted Quotes provided are true and correct.

I declare that I have a potential conflict of interest as follows:

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I will manage this conflict of interest by:

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Declared by:

Signature

Date

Full Name

Position (if Company)



## Attachment 5: Drawings

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Refer to separate PDF file.

# IT FACILITY, RAROTONGA HOSPITAL

Rarotonga, Cook Islands | ISSUED FOR QUOTES | SWRFQ #011

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**GENERAL NOTES**

<b>PROJECT</b>	IT STORAGE & OFFICE
<b>ADDRESS</b>	TUPAPA, RAROTONGA COOK ISLANDS
<b>CLIENT</b>	TE MARAE ORA (TMO)

**ABBREVIATIONS AND DEFINITIONS:**

AS/NZS	AUSTRALIAN STANDARDS/NEW ZEALAND STANDARDS
CCTV	CLOSED-CIRCUIT TELEVISION
CT (1)	CEILING TYPE (SELECTION)
DPC	DAMP PROOF COURSE
DPM	DAMP PROOF MEMBRANE
F	REFRIGERATOR
F (1)	PLUMBING FIXTURE
FCL	FINISHED CEILING LEVEL
FF (1)	FINISHED FLOOR (SELECTION)
FFL	FINISHED FLOOR LEVEL
NZBC	NEW ZEALAND BUILDING CODE
PHRS	PUBLIC HEALTH (SEWAGE) REGULATIONS
R	GAS COOKING RANGE
W	WASHING MACHINE
OTHERS	REFERS TO SUPPLIERS WHO ARE NOT THE CONTRACTOR
OWNER/CLIENT	REFERS TO "TMO" (TE MARAE ORA)

**DRAWINGS:**

THESE DRAWINGS ARE COPYRIGHT AND ARE NOT TO BE REPRODUCED WITHOUT THE WRITTEN CONSENT OF THE DESIGNER.

DIMENSIONS TAKE PRECEDENCE OVER SCALING.

ALL DIMENSIONS ARE IN MILLIMETERS (MM) UNLESS STATED OTHERWISE.

ALL DISCREPANCIES TO BE REFERRED TO THE DESIGNER FOR CLARIFICATION.

**COMPLIANCE:**

ALL WORKS SHALL COMPLY WITH RELEVANT LOCAL AUTHORITY, BUILDING CODES OR RELEVANT CLAUSES OF THE NZBC.

THE COOK ISLANDS BUILDING CODE IS THE MINIMUM ACCEPTABLE STANDARD.

ALL TIMBER TREATMENTS MUST COMPLY WITH NZS 3602 STANDARDS AND REQUIREMENTS.

PAINT, STAIN AND JOINERY COLOURS TO BE CONFIRMED BY CLIENT.

ALL ALTERNATIVES TO BE APPROVED BY CLIENT.

CONTRACTOR MUST REMOVE ALL DEMOLISHED ELEMENTS FROM THE SITE UNLESS OTHER ARRANGEMENTS HAVE BEEN APPROVED.

CONTRACTOR MUST CLEARLY IDENTIFY ANY EXISTING SERVICES THAT MUST REMAIN.

REFER TO STRUCTURAL ENGINEER TO COMMENT ON THE EXCAVATION, EXTENT OF MODIFICATION, OR DEMOLITION METHODOLOGY PRIOR TO COMMENCING ANY WORK.

**SITE**

DRAWINGS ARE APPROXIMATE ONLY.

ALL EXISTING BUILDING ELEMENTS OR SERVICES BELOW AND ABOVE GROUND MUST BE CHECKED AND CLEARLY MARKED BY CONTRACTOR PRIOR TO CONSTRUCTION.

ALL DIMENSIONS AND LEVELS TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.

REFER TO GEOTECHNICAL ENGINEER'S REPORT, DRAWINGS AND SPECIFICATIONS FOR ALL GEOTECHNICAL INFORMATION, REPORTS AND CALCULATIONS.

REFER TO STRUCTURAL ENGINEER'S REPORT, DRAWINGS AND SPECIFICATIONS FOR ALL STRUCTURAL INFORMATION, REPORTS AND CALCULATIONS.

**FLOOR**

ALL MASONRY CONSTRUCTION TO COMPLY WITH:

- NZS 4229:2013 STANDARDS.
- NZS 3109 CONCRETE CONSTRUCTION
- NZS 3114 SPECIFICATION FOR CONCRETE SURFACE FINISHES
- NZS 3112 SPECIFICATION FOR METHODS OF TEST FOR CONCRETE
- NZS 3111 METHODS OF TEST FOR WATER AND AGGREGATE FOR CONCRETE

FINISHES AND STRUCTURE	
FLOOR FINISH (STORAGE)	18mm PLYWOOD WATTYL STAIN FINISH
FLOOR FINISH (OFFICE)	CARPET TILES GLUED TO 18mm PLYWOOD FLOOR LINING.
FLOOR FINISH (DECK AND RAMP)	H3.2 TREATED, SG-8 150 X 40 RADIATA DECKING PINE SCREWED TO FLOOR JOISTS. WATTYL SOLARGUARD PAINT FINISH THROUGHOUT.
FLOOR JOISTS	H3.2 TREATED, SG8 150 x 50 JOISTS AT 450 CENTERS THROUGHOUT. SECURED TO BEARERS WITH 30 x 0.8 G.I STRAP AND 3.15 DIAMETER NAILS
BEARER	H3.2 TREATED, SG8 300 x 75 BEARER KNOTCHED TO PILE AND SECURED WITH M12 BOLTS WITH 50 x 50 x 3mm SQUARE WASHERS
PILES	H5 TREATED, 125 x 125 SQUARE TANALISED TIMBER PILES.
FOOTING	450 x 450 x 600 DEEP FOOTINGS. THREAD 290MM D12 ROD THROUGH BASE OF PILE. 17.5MPa CONCRETE STRENGTH

CONTRACTOR TO TRIAL CONCRETE MIXES PRIOR TO WORKS COMMENCING.  
MINIMUM REQUIREMENT: 70% OF CONCRETE STRENGTH (17.5MPa) IN 14 DAYS.

**FLOOR FINISHES SCHEDULE:**

FF1	18mm PLYWOOD WATTYL STAIN FINISH
FF2	CARPET TILES GLUED TO 18mm PLYWOOD FLOOR LINING.
FF3	H3.2 TREATED, SG-8 150 X 40 RADIATA DECKING PINE SCREWED TO FLOOR JOISTS. WATTYL SOLARGUARD SLIP-RESISTANT PAINT FINISH THROUGHOUT.

**WALL****TIMBER WALL STRUCTURE:**

EXTERNAL FINISH	12mm SHADOWCLAD EXTERNAL CLADDING WATTYL SOLARGUARD PAINT FINISH  COLOUR TO BE CONFIRMED BY OWNER
WALL	MINIMUM H1.2 TREATED, SG-8 100 x 50 TIMBER FRAMING  STUDS AT 600 CENTERS THROUGHOUT AND NOGS AT 400 CENTERS THROUGHOUT

INTERNAL FINISH	<b>STORAGE AREA:</b> 10mm GIB TOUGHLINE INTERNAL LINING. PAINT FINISH.  <b>DATA CENTER:</b> 10mm GIB FYRELINE INTERNAL WALL LINING. PAINT FINISH.  COLOURS TO BE CONFIRMED BY OWNER.
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ALL TIMBER MUST BE TREATED IN ACCORDANCE WITH NZS 3602 AND THE REQUIREMENTS OF BUILDING CODE B2/AS1 AMENDMENT 11.

**INSULATED PANELS:**

CONTRACTOR TO ARRANGE A TIME WITH CIIC PROJECT MANAGER/SUPERVISOR TO VIEW PROPOSED PANEL CONSTRUCTION

**WINDOWS AND DOORS**

REFER TO FLOOR PLANS AND ELEVATIONS FOR LOCATION OF WINDOWS AND DOORS.

ALL GLAZING SYSTEMS SHALL BE FULLY ENGINEERED, CERTIFIED AND QUALITY ASSURED BY JOINERY MANUFACTURER.

ALL GLAZING MUST COMPLY WITH:

- AS 2047:1999 WINDOWS IN BUILDINGS - SELECTION AND INSTALLATION
- NZS 4223: PART 1:2008 GLAZING IN BUILDINGS, PART 1: GLASS SELECTION AND GLAZING
- NZS 3504:1979 SPECIFICATION FOR ALUMINIUM WINDOWS.

MANUFACTURER TO PROVIDE TEST CERTIFICATES TO VERIFY PERFORMANCE AND COMPLIANCE.

JOINER MANUFACTURER TO ENSURE WATERTIGHT DETAILING OF ALL JOINERY.

ALL ALUMINUM TO BE POWDERCOATED OR ANODIZED. COLOUR TO BE CONFIRMED BY OWNER.

MANUFACTURER TO SUPPLY SHOP DRAWINGS OF ALL JOINERY UNIT AND SAMPLE JOINERY SECTIONS TO THE DESIGNER OR OWNER FOR APPROVAL PRIOR TO MANUFACTURE.

DIMENSIONS ARE NOMINAL ROUGH OPENING (TRIM) SIZES.

SILL HEIGHTS ARE TO BE TOP OF THE ROUGH OPENING.

SILL HEIGHTS REFER TO DIMENSIONS ABOVE GROUND FLOOR LEVEL ZERO (0).

HEAD HEIGHT IS TO THE UNDERSIDE OF THE ROUGH OPENING.

**ROOF****STORAGE:**

ROOF (GENERAL)	0.55 BMT CORRUGATED ROOFING SECURED TO PURLINS WITH 75mm STAINLESS STEEL ROOF SCREWS WITH SEAL CAPS.  ALL FLASHINGS TO MATCH SELECTED ROOFING.  ROOF PITCH TO MATCH THAT OF TMV STRUCTURE.
ROOF UNDERLAY	THERMAKRAFT COVERTEK 407
PURLINS	H1.2 TREATED, SG-8 75 X 50 PURLINS ON EDGE, AT 600 CENTERS THROUGHOUT SECURED TO TRUSSES WITH 400mm CYCLONE STRAPS
RAFTERS	H3.2 TREATED, SG-8 200 x 50 RAFTERS AT 900 CENTERS THROUGHOUT
INSULATION	GREENSTUF® SKILLION ROOF BLANKET
CEILING BATTEN	H1.2 TREATED, SG-8

	75 X 50 CEILING BATTENS ON FLAT, AT 400 CENTERS THROUGHOUT
CEILING	10mm GIB FYRELINE PAINT FINISH.

**OFFICE:**

ROOF (GENERAL)	0.55 BMT CORRUGATED ROOFING SECURED TO PURLINS WITH 75mm STAINLESS STEEL ROOF SCREWS WITH SEAL CAPS.  ALL FLASHINGS TO MATCH SELECTED ROOFING.  ROOF PITCH AS PER EXISTING TRUSS STRUCTURE.
ROOF UNDERLAY	THERMAKRAFT COVERTEK 407
PURLINS	H1.2 TREATED, SG-8 75 X 50 PURLINS ON EDGE, AT 600 CENTERS THROUGHOUT SECURED TO RAFTERS WITH 400mm CYCLONE STRAPS
RAFTERS	H3.2 TREATED, SG-8 TRUSS FROM 150 X 50 TIMBER. PROFILE TO MATCH EXISTING STEEL TRUSS. FIXED AT 900 CENTERS THROUGHOUT.

**CEILING TYPES:**

CTO	NO CEILING, EXPOSED RAFTERS
CT1	GIB FYRELINE® 10MM – PAINT FINISH
CT2	GIB AQUALINE® 10MM – PAINT FINISH

**SOLAR PHOTOVOLTAIC INSTALLATIONS**

INSTALLATIONS SHALL COMPLY WITH:

- AS/NZS 5033:2012 INSTALLATION AND SAFETY REQUIREMENTS FOR PHOTOVOLTAIC (PV) ARRAYS, AND
- COOK ISLANDS NATIONAL GRID CONNECTED RENEWABLE GENERATORS AND NET-METERING POLICY.

**PLUMBING / DRAINAGE / SEWAGE & SANITATION**

PROPOSED PLUMBING, DRAINAGE AND SEWAGE PLANS ARE APPROXIMATE ONLY AND MUST BE VERIFIED BY CONTRACTOR, PLUMBER OR QUALIFIED SEWAGE AND SANITATION ENGINEER.

SEWAGE AND SANITATION DESIGN AND REPORT TO BE PRODUCED BY CONTRACTOR OR QUALIFIED SEWAGE AND SANITATION ENGINEER.

PLUMBERS AND DRAIN LAYERS MUST HOLD CURRENT CERTIFICATES THAT MEET THE REQUIREMENTS OF THE COOK ISLANDS BUILDING CODE AND PHSR.

ALL PLUMBING SERVICES SHALL COMPLY WITH THE GENERAL REQUIREMENTS OF THE:

- COOK ISLANDS BUILDING CODE NF HEALTH AND AMENITY,
- PHSR, AND:
- INFRASTRUCTURE COOK ISLANDS (ICI) TECHNICAL STANDARDS FOR WATER SUPPLY IN PARTNERSHIP WITH INSTITUTE OF PROFESSIONAL ENGINEERS COOK ISLANDS (IPECIS)

ALL SERVICES PENETRATIONS THROUGH THE STRUCTURE TO BE COORDINATED BY CONTRACTOR.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE CEILING FRAMING WITH FITTING LOCATIONS.

ENSURE ALL PLUMBING PIPES AND WASTES ARE CONCEALED IN WALL AND FLOOR/CEILING SPACES.

**JOINERY / FURNITURE FIT OUT**

DRAWINGS ARE APPROXIMATE ONLY.

KITCHEN SINK BECNH TO BE SUPPLIED BY CONTRACTOR. ALL DESIGNS OR ALTERNATIVES TO BE APPROVED BY CLIENT PRIOR TO FABRICATION.

ALL OFFICE FURNITURE AND FITOUT TO BE SUPPLIED BY OWNER.

**ACCESSIBILITY**

ALL AREAS MUST BE ACCESSIBLE TO THOSE WITH PHYSICAL OR MOBILITY ISSUES.

DESIGN MUST COMPLY WITH THE GENERAL REQUIREMENTS OF THE:

- NZS 4121:2001 (DESIGN FOR ACCESS AND MOBILITY)

**ELECTRICAL**

ELECTRICAL PLANS TO BE VERIFIED BY CONTRACTOR.

ELECTRICIANS MUST HOLD CURRENT CERTIFICATIONS THAT MEET THE REQUIREMENTS OF THE ENERGY ACT, AS REGULATED BY THE OFFICE OF THE ENERGY COMMISSIONER.

ALL ELECTRICAL SERVICES SHALL BE INSTALLED IN ORDER TO COMPLY WITH THE GENERAL REQUIREMENTS OF:

- COOK ISLANDS BUILDING CODE,
- DE ELECTRICITY OR NEW ZEALAND BUILDING CODE (NZBC) G9 ELECTRICITY AND;
- AS/NZS 3000:2007 ELECTRICAL INSTALLATIONS KNOWN AS THE AUSTRALIAN/NEW ZEALAND WIRING RULES.

SELECTION OF MATERIALS OR ALTERNATIVES MUST BE APPROVED BY OWNER PRIOR TO CONSTRUCTION.

	CAVIUS HEAT DETECTOR WITH SMART REMOTE (OR EQUIVALENT)
	LIGHT SWITCH, SINGLE POLE. CONNECTED TO CENTRAL OVER RIDE SWITCH
	LIGHT SWITCH, TWO-POLE.
	LIGHT SWITCH, THREE-POLE.
	TWO WAY LIGHT SWITCH (SET)
	RECESSED DOWN LIGHT (INTERNAL)
	WALL MOUNTED BULKHEAD DAYLIGHT SENSORED LIGHTS
	4FT LED LIGHT
	WIRING (LINK FROM SWITCH TO LIGHT)
	SWITCHED, 2-GANG SOCKET OUTLET (10A)
	SWITCHED, 2-GANG SOCKET OUTLET (WEATHER PROOF)
	METER BOX
	DISTRIBUTION BOARD (DB)
	2 PORT DATA WALL OUTLET (DATA cat6 DOUBLE ETHERNET RJ45)
	AIR CON - INTERNAL UNIT
	AIR CON - EXTERNAL UNIT

## CONCRETE WORK AND CONCRETE MASONRY

### WORKMANSHIP SHALL CONFORM TO:

AS/NZ STANDARDS.

NZBC B1/AS1 STRUCTURE

NZS 3101.1 CONCRETE STRUCTURES STANDARD

NZS 3104 SPECIFICATION FOR CONCRETE PRODUCTION (I.E FIBRE CEMENT TO BE ORGANIC/ CELLULOSE REINFORCED (I.E NOT MINERAL/ ASBESTOS))

NZS 3109 CONCRETE CONSTRUCTION

NZS 3114 SPECIFICATION FOR CONCRETE SURFACE FINISHES

NZS 3112 SPECIFICATION FOR METHODS OF TEST FOR CONCRETE

NZS 3111 METHODS OF TEST FOR WATER AND AGGREGATE FOR CONCRETE

AS/NZS 4671 STEEL REINFORCING MATERIALS (I.E REINFORCING STEEL TO BE DEFORMED, RUST FREE AT TIME OF CONCRETE INSTALLATION)

CCANZ CP 01 CODE OF PRACTICE FOR WEATHER TIGHT CONCRETE AND CONCRETE MASONRY CONSTRUCTION

AS/NZS 2699 BUILT-IN COMPONENTS FOR MASONRY

NZS 3103 SANDS FOR MORTARS AND PLASTERS

NZS 3121 SPECIFICATION FOR WATER AND AGGREGATE FOR CONCRETE (I.E SAND AND GRAVEL FOR CONCRETE TO BE WASHED IN FRESH WATER)

NZS 4210 MASONRY CONSTRUCTION: MATERIALS AND WORKMANSHIP

NZS 4229 CONCRETE MASONRY BUILDINGS NOT REQUIRING SPECIFIC ENGINEERING DESIGN

NZS 4230 DESIGN OF REINFORCED CONCRETE MASONRY STRUCTURES

AS/NZS 4455.1 MASONRY UNITS, PAVERS, FLAGS, AND SEGMENTAL RETAINING WALL UNITS- MASONRY UNITS

NZS 3124 SPECIFICATION FOR CONCRETE CONSTRUCTION FOR MINOR WORKS.

## TIMBER

WORKMANSHIP SHALL CONFORM TO AS/NZ STANDARDS.

NZS 3604 TIMBER-FRAMED BUILDINGS (I.E. TIMBER FRAMING; LINING AND TRIM MATERIALS TO BE SUSTAINABLE SOURCED, BUT VERIFIED AS APPROPRIATE FOR THE TROPICAL ENVIRONMENT. ROOFING & FLASHINGS ETC TO BE 0.55MM BASE METAL THICKNESS; WITH PROTECTIVE FINISH OF ALUMINIUM ALLOY TO 150G/M2)

AS/NZS 2904 DAMP-PROOF COURSES AND FLASHINGS

NZS 3602 TIMBER AND WOOD-BASED PRODUCTS FOR USE IN BUILDING

NZS 3603 TIMBER STRUCTURES STANDARD

NZS 3605:2001 TIMBER PILES AND POLES FOR USE IN BUILDING.

NZS 3622 VERIFICATION OF TIMBER PROPERTIES

NZS 3640 CHEMICAL PRESERVATION OF ROUND AND SAWN TIMBER

NZS AS 1884:2013 FLOOR COVERING – RESILIENT SHEET AND TILES – INSTALLATION PRACTICES

AS/NZS 4347 DAMP-PROOF COURSE AND FLASHINGS – METHODS OF TEST.



PROPOSED SITE PLAN

1:200



COOK ISLANDS INVESTMENT CORPORATION

DRAWN BY: Sally Hosking-Naea  
Email: sally.hosking-naea@cookislands.gov.ck

CLIENT: TE MARAE ORA  
PROJECT: Rarotonga Hospital IT Storage & Office Facility  
ADDRESS: NIKAO, RAROTONGA  
DESIGNED BY: CIIC - Government Facility Development Division (GFDD)

SHEET  
SHEET PROPOSED SITE PLAN  
TITLE:

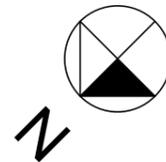
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REVISION #: A

ISSUED:

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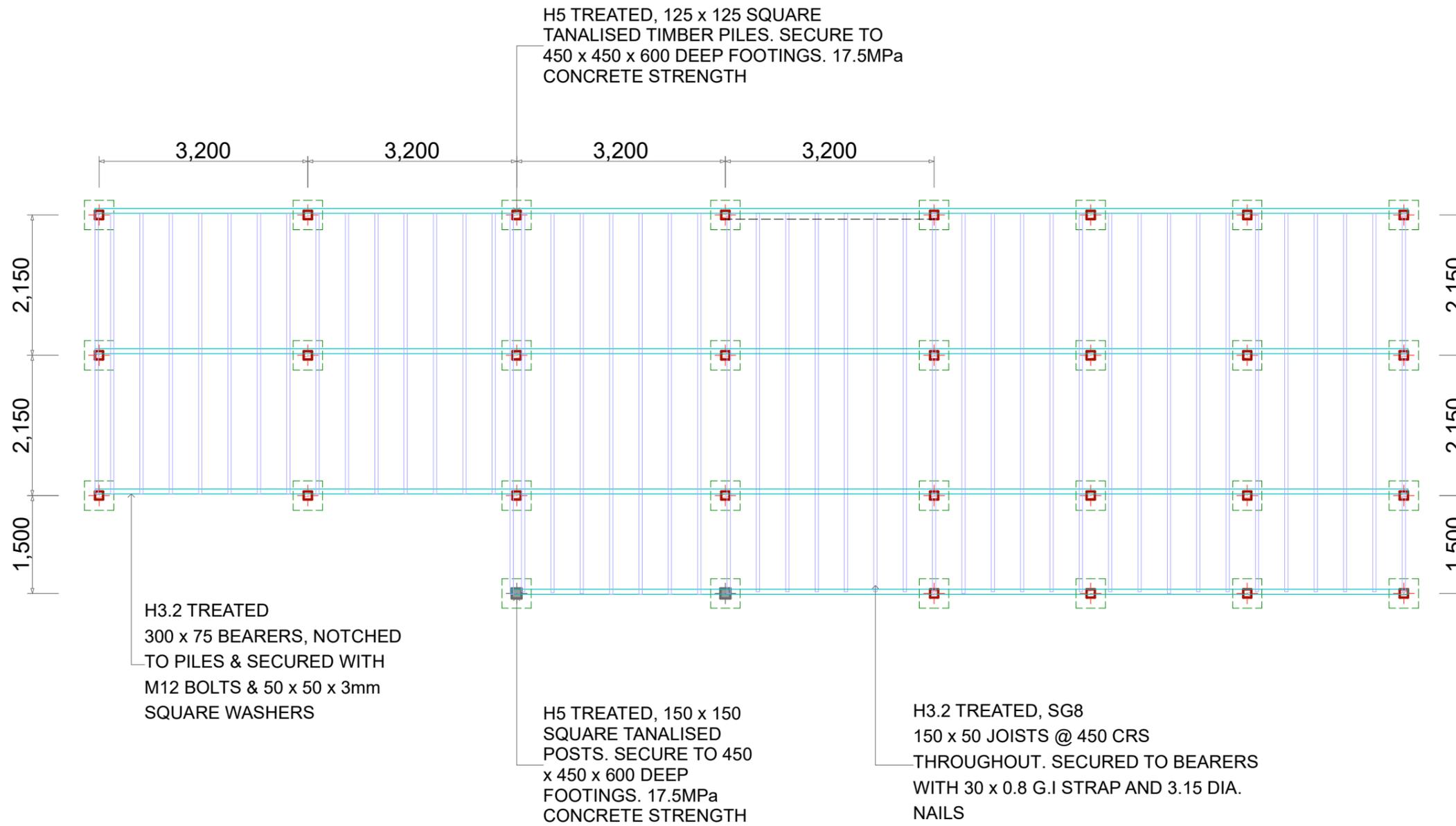
17-May-22

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GENERAL SITE PLAN NOTES:

1. DO NOT SCALE OFF DRAWING
2. CONNECT TO EXISTING SEWAGE & SANITATION TREATMENT SYSTEM
3. TREES AND TREE STUMPS WITHIN THE AREA TO BE DEVELOPED WILL BE REMOVED BY CIIC
4. ALL LEVELS AND LOCATION OF UTILITIES TO BE CONFIRMED BY CONTRACTOR PRIOR TO COMMENCING ANY CONSTRUCTION WORK
5. DIRECT ALL EXCESS RUNOFF TO EXISTING STORMWATER DRAIN



PROPOSED FOUNDATION & FLOOR FRAMING PLAN

1:75



COOK ISLANDS INVESTMENT CORPORATION

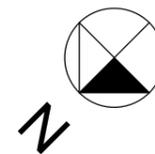
DRAWN BY: Sally Hosking-Naea  
Email: sally.hosking-naea@cookislands.gov.ck

CLIENT: TE MARAE ORA  
PROJECT: Rarotonga Hospital IT Storage & Office Facility  
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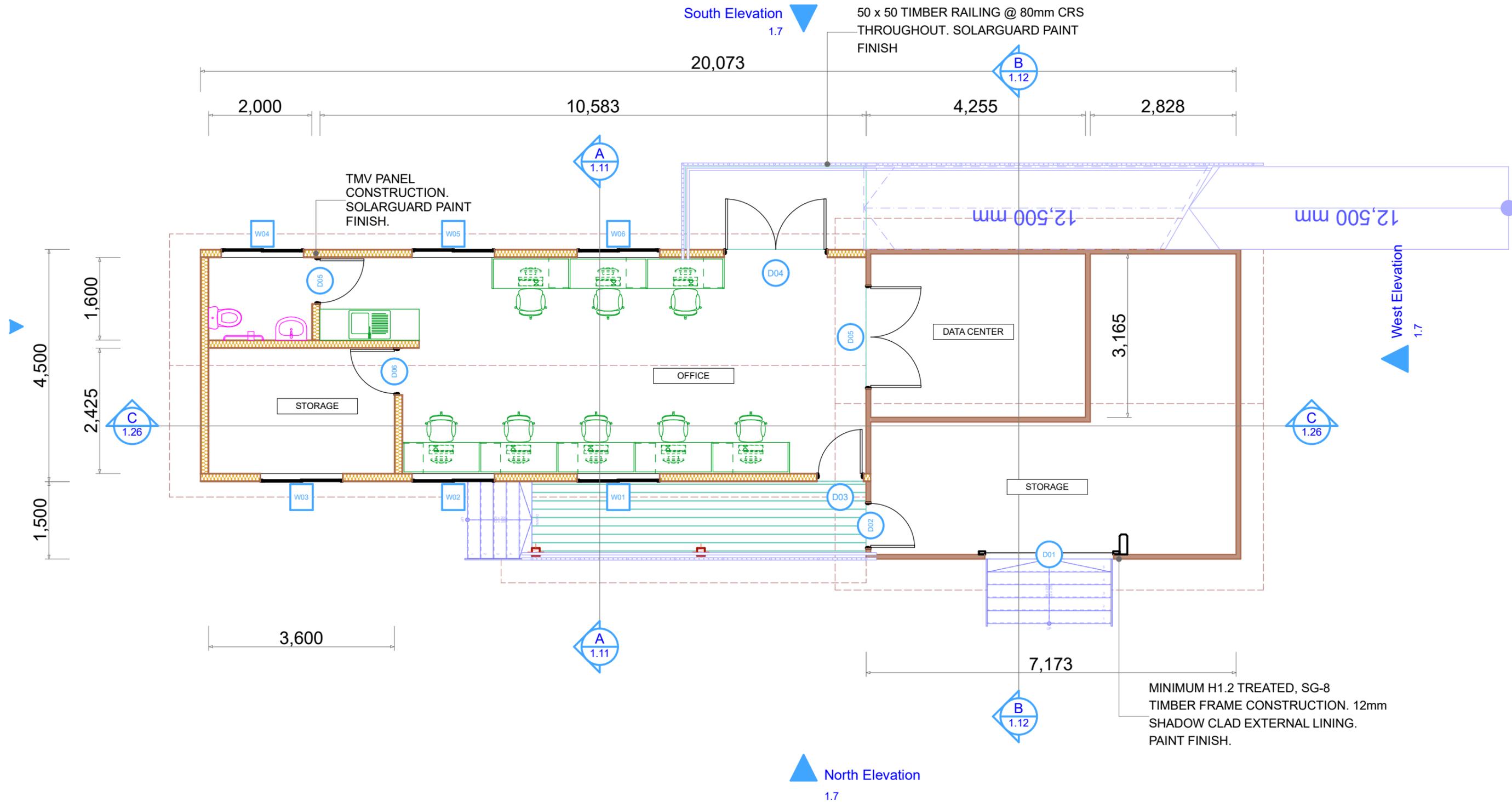
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TITLE: FRAMING  
SCALE: AS SHOWN, @ A3  
REVISION #: A  
ISSUED:

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PROPOSED GROUND FLOOR PLAN

1:75



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Email: sally.hosking-naea@cookislands.gov.ck

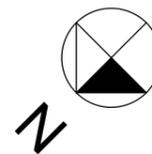
CLIENT: TE MARAE ORA  
PROJECT: Rarotonga Hospital IT Storage & Office Facility  
ADDRESS: NIKAO, RAROTONGA  
DESIGNED BY: CIIC - Government Facility Development Division (GFDD)

1.6

SHEET  
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ISSUED:

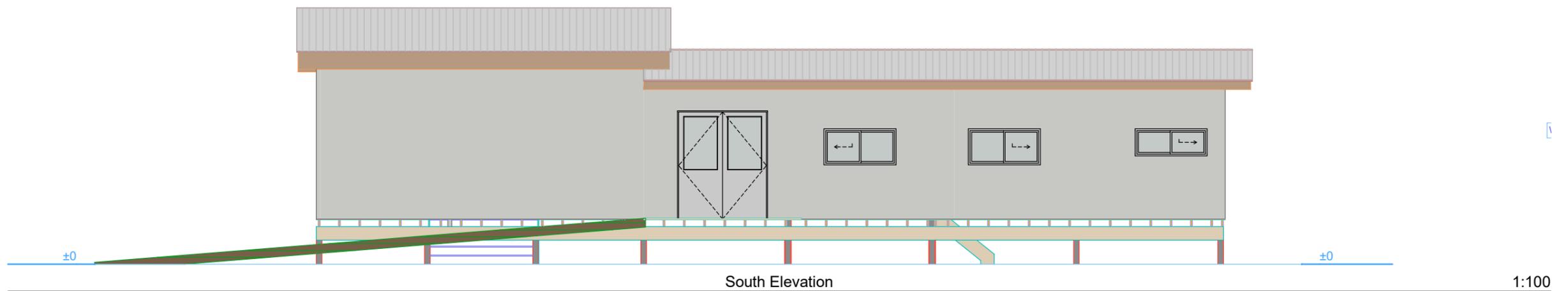
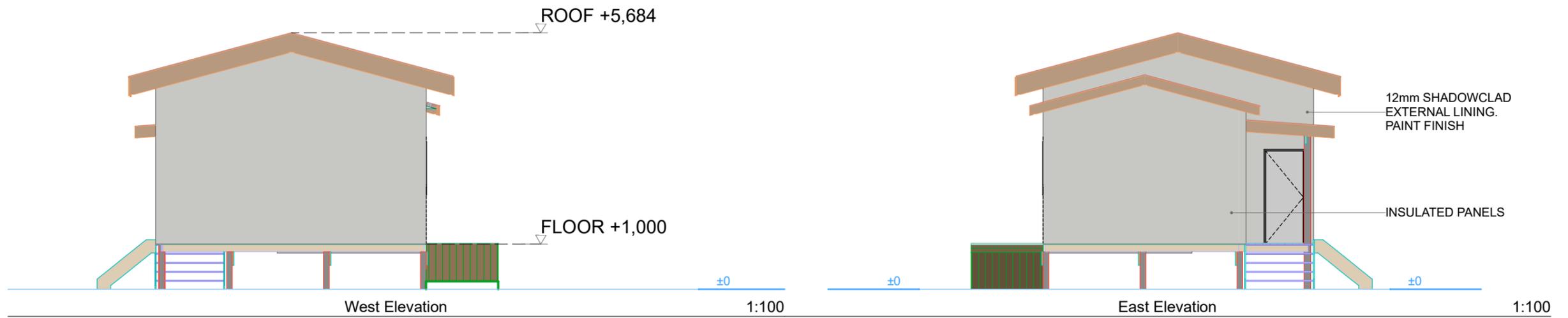
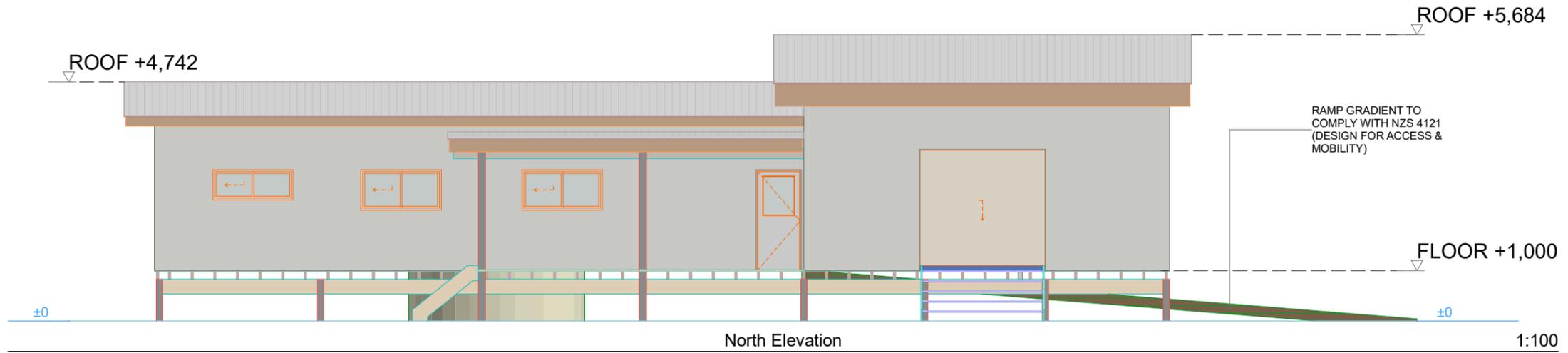
17-May-22

ISSUED FOR QUOTES



GENERAL NOTES | PROPOSED FLOOR PLAN:

1. KITCHEN SINK/BENCH TO BE SUPPLIED BY CONTRACTOR
2. ALL OFFICE FURNITURE AND FITOUT TO BE SUPPLIED BY OWNER (TMO)



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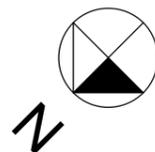
CLIENT: TE MARAE ORA  
PROJECT: Rarotonga Hospital IT Storage & Office Facility  
ADDRESS: NIKAO, RAROTONGA  
DESIGNED BY: CIIC - Government Facility Development Division (GFDD)

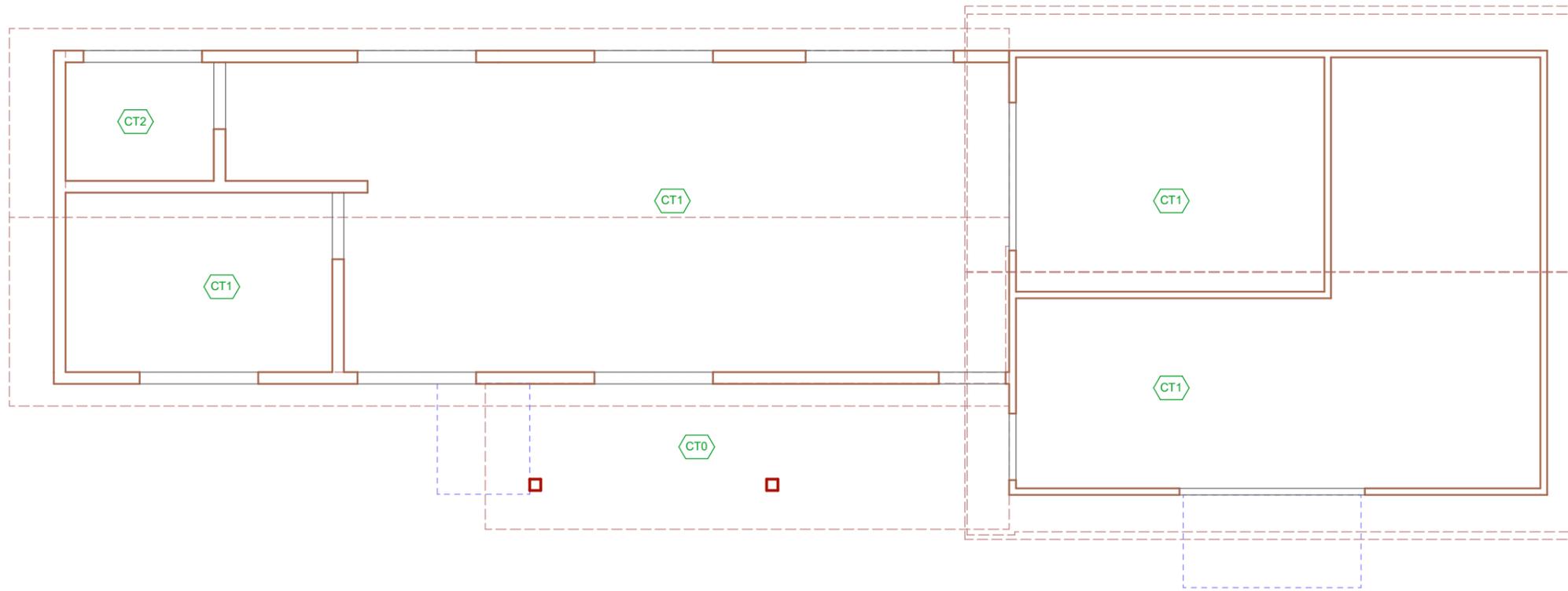
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REVISION #: A  
ISSUED:

1.7

17-May-22

ISSUED FOR QUOTES





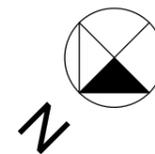
**COOK ISLANDS INVESTMENT CORPORATION**

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CLIENT: TE MARAE ORA  
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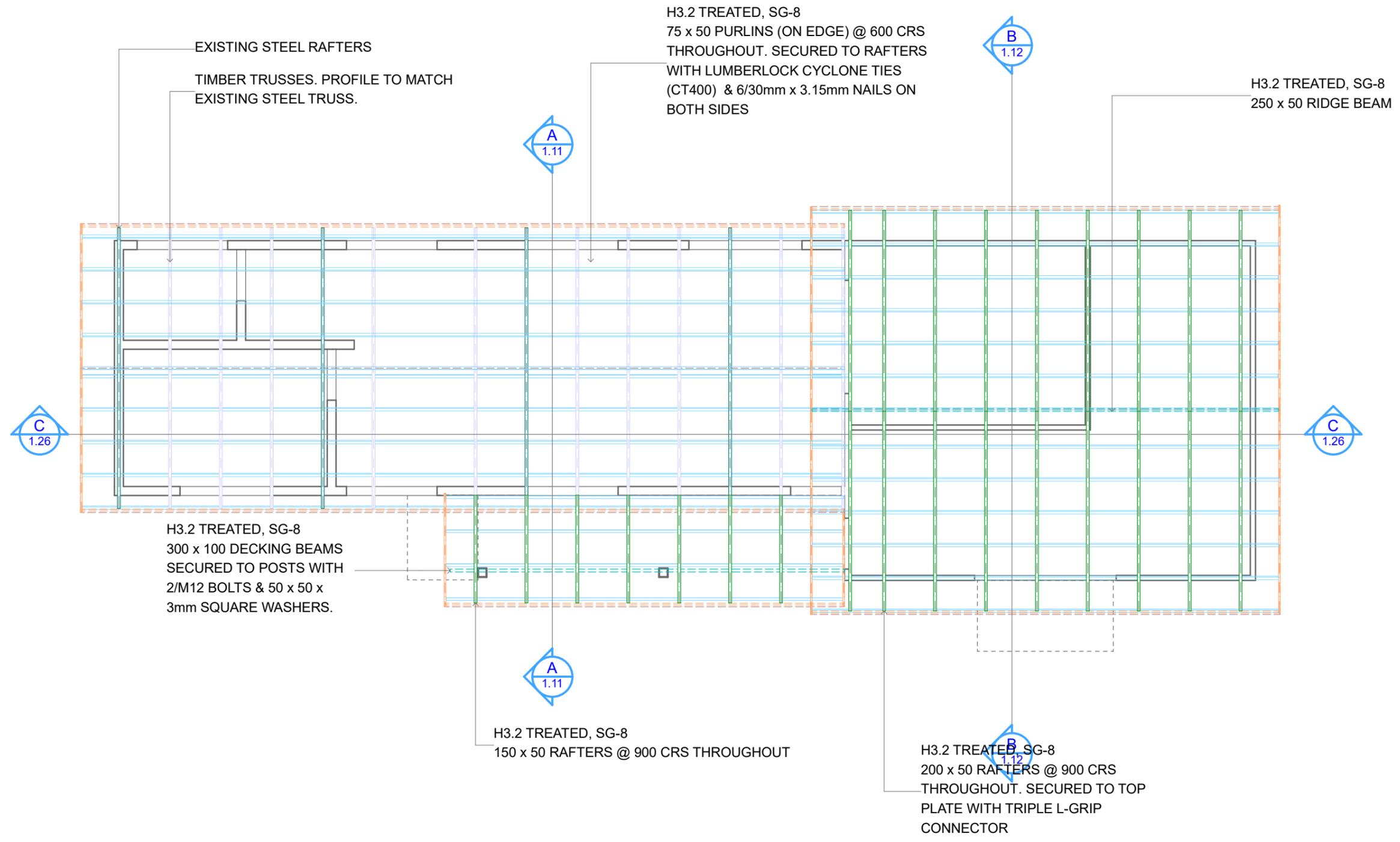
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 SHEET REFLECTED CEILING PLAN  
 TITLE:  
 SCALE: AS SHOWN, @ A3  
 REVISION #: **A**  
 ISSUED:

ISSUED FOR QUOTES



- CT0 NO CEILING | EXPOSED RAFTERS OR TRUSS
- CT1 GIB FYRELINE, PAINT FINISH
- CT2 GIB AQUALINE, ENAMEL PAINT FINISH

17-May-22



ROOF FRAMING PLAN

1:75

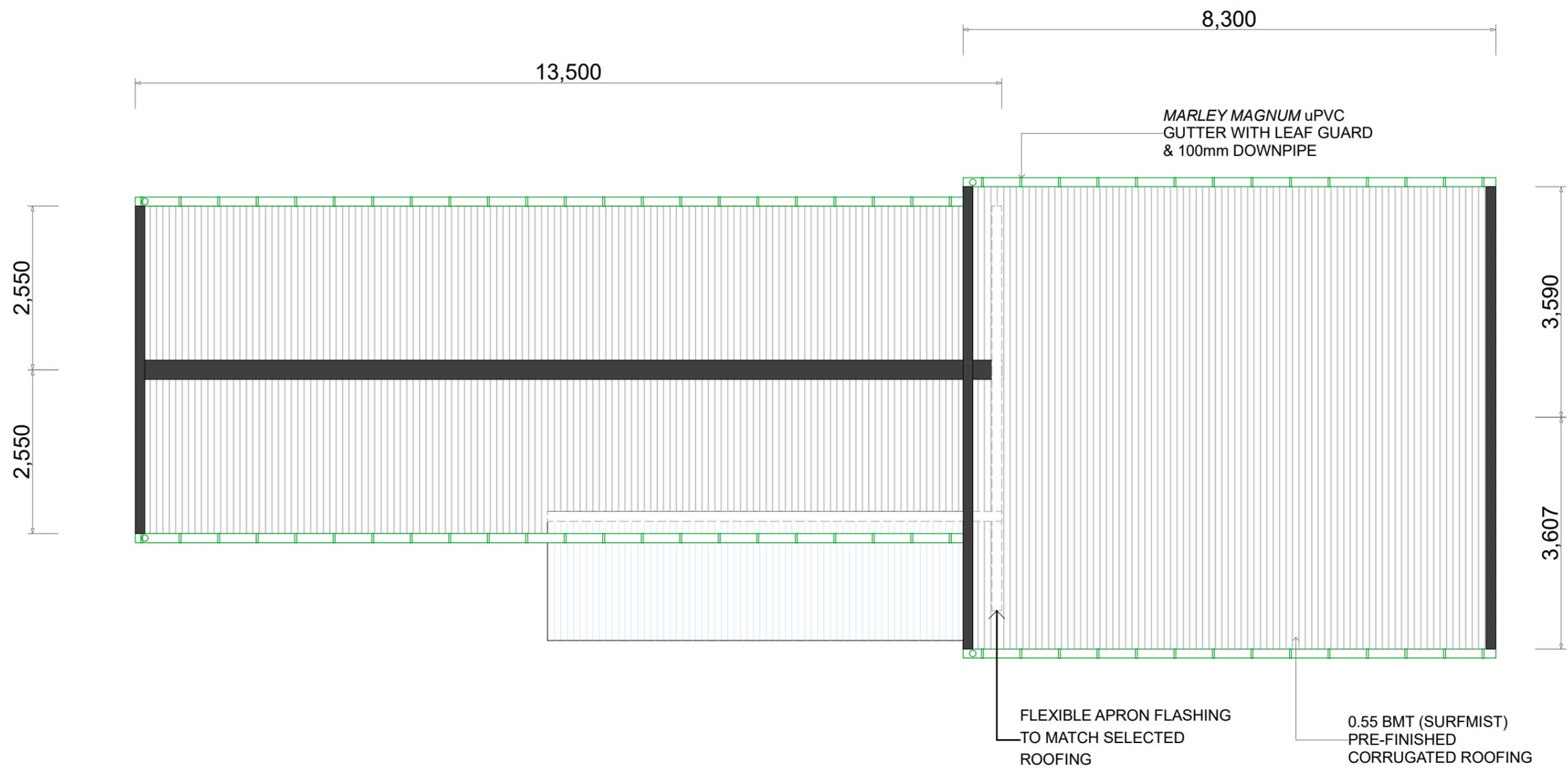


COOK ISLANDS INVESTMENT CORPORATION  
DRAWN BY: Sally Hosking-Naea  
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SHEET 1.9  
SHEET PROPOSED ROOF FRAMING PLAN  
TITLE:  
SCALE: AS SHOWN, @ A3  
REVISION #: A  
ISSUED: 17-May-22

ISSUED FOR QUOTES



PROPOSED ROOF PLAN

1:75



COOK ISLANDS INVESTMENT  
CORPORATION

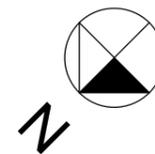
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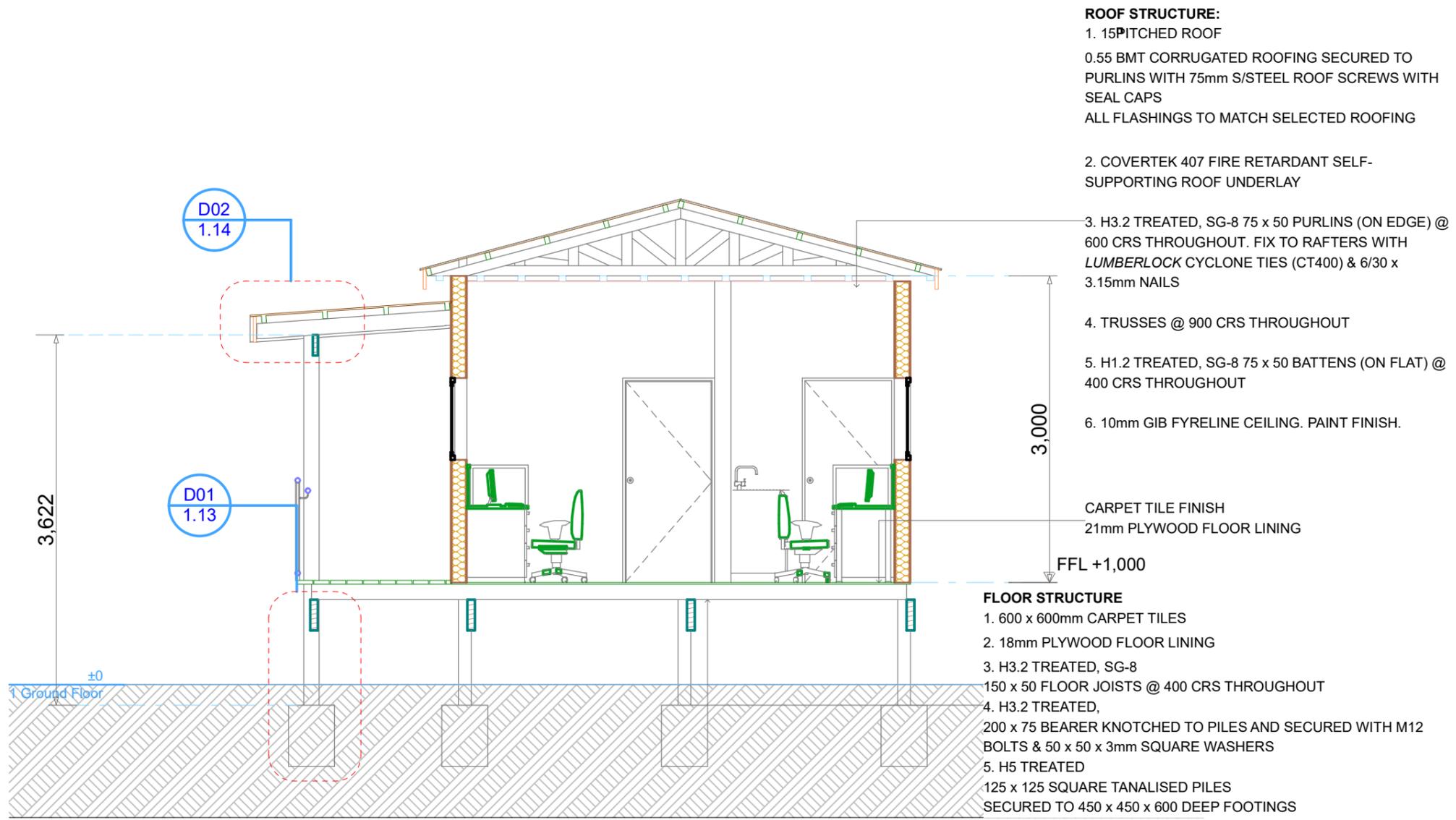
CLIENT: TE MARAE ORA  
PROJECT: Rarotonga Hospital IT  
Storage & Office Facility  
ADDRESS: NIKAO, RAROTONGA  
DESIGNED BY: CIIC - Government  
Facility Development  
Division (GFDD)

SHEET  
**1.10**  
SHEET PROPOSED ROOF PLAN  
TITLE:  
SCALE: AS SHOWN, @ A3  
REVISION #: A  
ISSUED:

17-May-22

ISSUED FOR QUOTES





**ROOF STRUCTURE:**  
 1. 15° PITCHED ROOF  
 0.55 BMT CORRUGATED ROOFING SECURED TO PURLINS WITH 75mm S/STEEL ROOF SCREWS WITH SEAL CAPS  
 ALL FLASHINGS TO MATCH SELECTED ROOFING

2. COVERTEK 407 FIRE RETARDANT SELF-SUPPORTING ROOF UNDERLAY  
 3. H3.2 TREATED, SG-8 75 x 50 PURLINS (ON EDGE) @ 600 CRS THROUGHOUT. FIX TO RAFTERS WITH LUMBERLOCK CYCLONE TIES (CT400) & 6/30 x 3.15mm NAILS  
 4. TRUSSES @ 900 CRS THROUGHOUT  
 5. H1.2 TREATED, SG-8 75 x 50 BATTENS (ON FLAT) @ 400 CRS THROUGHOUT  
 6. 10mm GIB FYRELINE CEILING. PAINT FINISH.

CARPET TILE FINISH  
 21mm PLYWOOD FLOOR LINING  
 FFL +1,000

**FLOOR STRUCTURE**  
 1. 600 x 600mm CARPET TILES  
 2. 18mm PLYWOOD FLOOR LINING  
 3. H3.2 TREATED, SG-8 150 x 50 FLOOR JOISTS @ 400 CRS THROUGHOUT  
 4. H3.2 TREATED, 200 x 75 BEARER KNOTCHED TO PILES AND SECURED WITH M12 BOLTS & 50 x 50 x 3mm SQUARE WASHERS  
 5. H5 TREATED 125 x 125 SQUARE TANALISED PILES SECURED TO 450 x 450 x 600 DEEP FOOTINGS

SECTION A

1:50



**COOK ISLANDS INVESTMENT CORPORATION**  
 DRAWN BY: Sally Hosking-Naea  
 Email: sally.hosking-naea@cookislands.gov.ck

CLIENT: TE MARAE ORA  
 PROJECT: Rarotonga Hospital IT Storage & Office Facility  
 ADDRESS: NIKAO, RAROTONGA  
 DESIGNED BY: CIIC - Government Facility Development Division (GFDD)

SHEET **1.11**  
 SHEET SECTION VIEW  
 TITLE:  
 SCALE: AS SHOWN, @ A3  
 REVISION #: A  
 ISSUED: 17-May-22



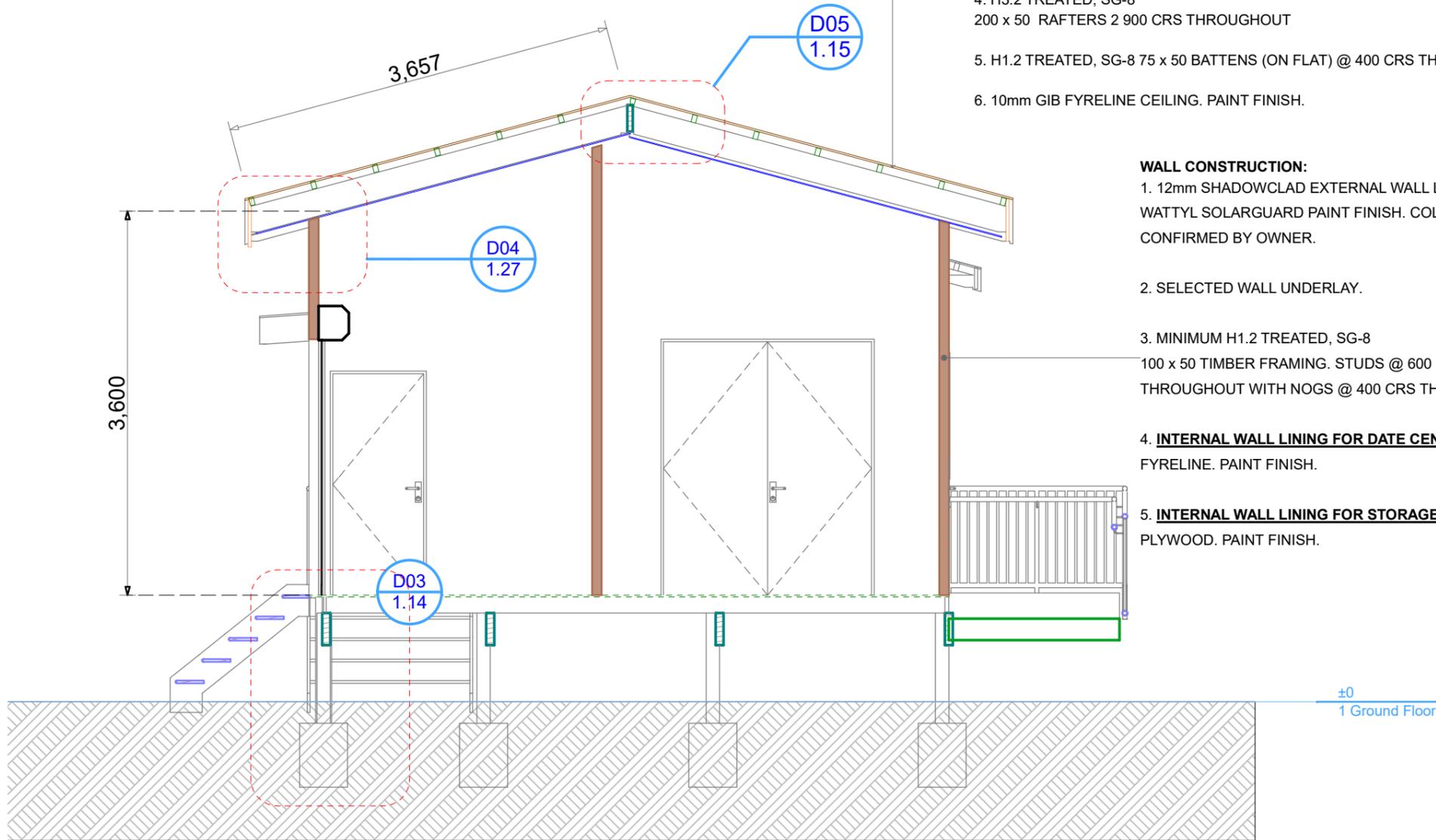
**GENERAL NOTES**  
 ALL ELECTRICAL & PLUMBING FIXTURES MUST BE ANTI-LIGATURE  
 SELECTION OR ALTERNATIVES TO BE APPROVED BY CLIENT PRIOR TO CONSTRUCTION

**ROOF STRUCTURE:**

1. 15° PITCHED ROOF  
0.55 BMT CORRUGATED ROOFING SECURED TO PURLINS WITH 75mm S/STEEL ROOF SCREWS WITH SEAL CAPS  
ALL FLASHINGS TO MATCH SELECTED ROOFING
2. COVERTEK 407 FIRE RETARDANT SELF-SUPPORTING ROOF UNDERLAY
3. H3.2 TREATED, SG-8 75 x 50 PURLINS (ON EDGE) @ 600 CRS THROUGHOUT. FIX TO RAFTERS WITH LUMBERLOCK CYCLONE TIES (CT400) & 6/30 x 3.15mm NAILS
4. H3.2 TREATED, SG-8 200 x 50 RAFTERS 2 900 CRS THROUGHOUT
5. H1.2 TREATED, SG-8 75 x 50 BATTENS (ON FLAT) @ 400 CRS THROUGHOUT
6. 10mm GIB FYRELINE CEILING. PAINT FINISH.

**WALL CONSTRUCTION:**

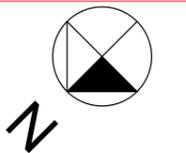
1. 12mm SHADOWCLAD EXTERNAL WALL LINING. WATTYL SOLARGUARD PAINT FINISH. COLOUR TO BE CONFIRMED BY OWNER.
2. SELECTED WALL UNDERLAY.
3. MINIMUM H1.2 TREATED, SG-8 100 x 50 TIMBER FRAMING. STUDS @ 600 CRS THROUGHOUT WITH NOGS @ 400 CRS THROUGHOUT.
4. **INTERNAL WALL LINING FOR DATE CENTER:** 10mm GIB FYRELINE. PAINT FINISH.
5. **INTERNAL WALL LINING FOR STORAGE AREA:** 7mm PLYWOOD. PAINT FINISH.



SECTION B

1:50

ISSUED FOR QUOTES



1.12

SHEET

SHEET TITLE: SECTION VIEW

SCALE: AS SHOWN, @ A3

REVISION #: A

ISSUED: 17-May-22

CLIENT: TE MARAE ORA

PROJECT: Rarotonga Hospital IT Storage & Office Facility

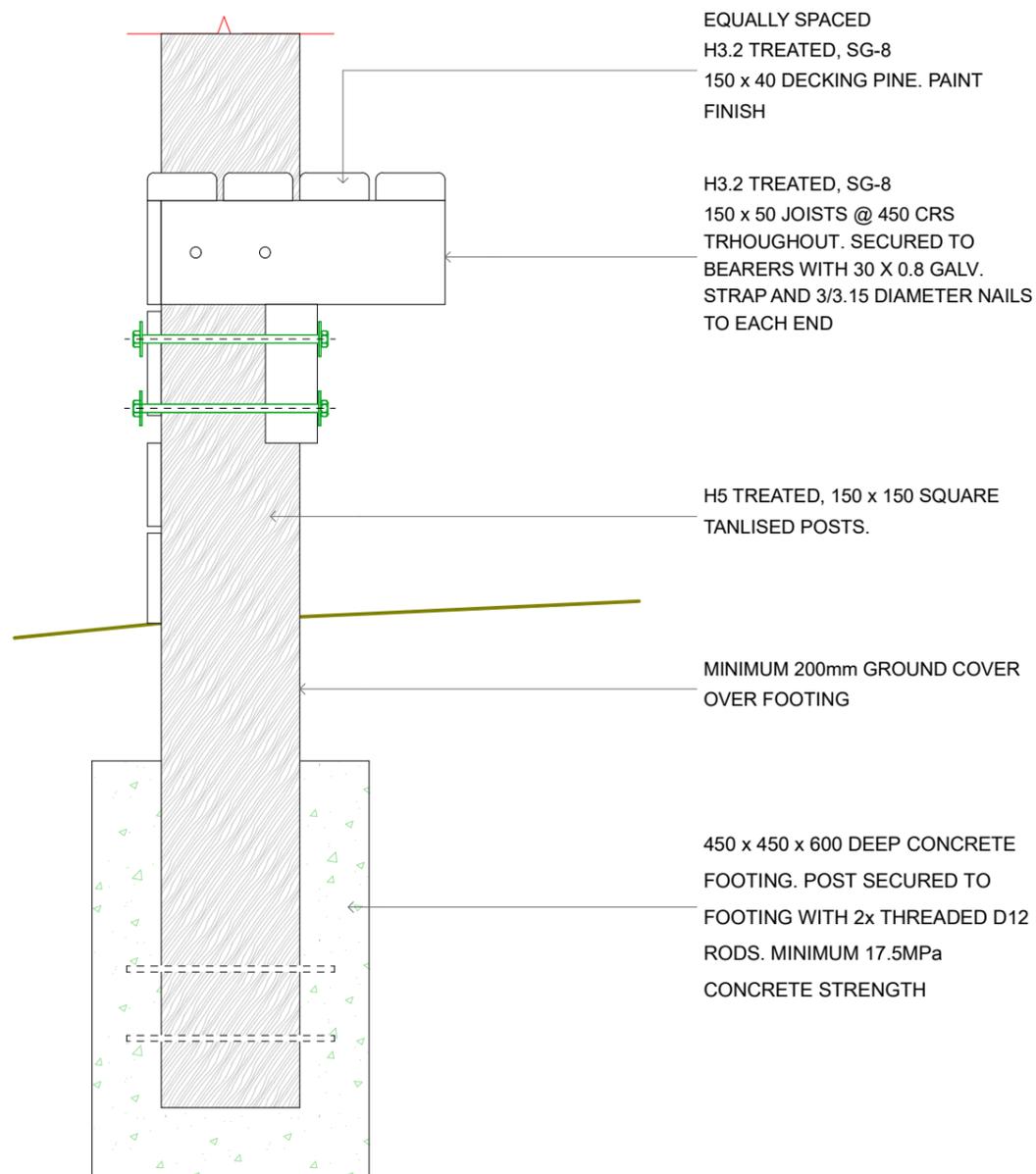
EMAIL: -

DESIGNED BY: CIIC - Government Facility Development



DRAWN BY: Sally Hosking-Naea

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D01

POST | FOOTING DETAIL

1:10



COOK ISLANDS INVESTMENT  
CORPORATION

DRAWN BY: Sally Hosking-Naea  
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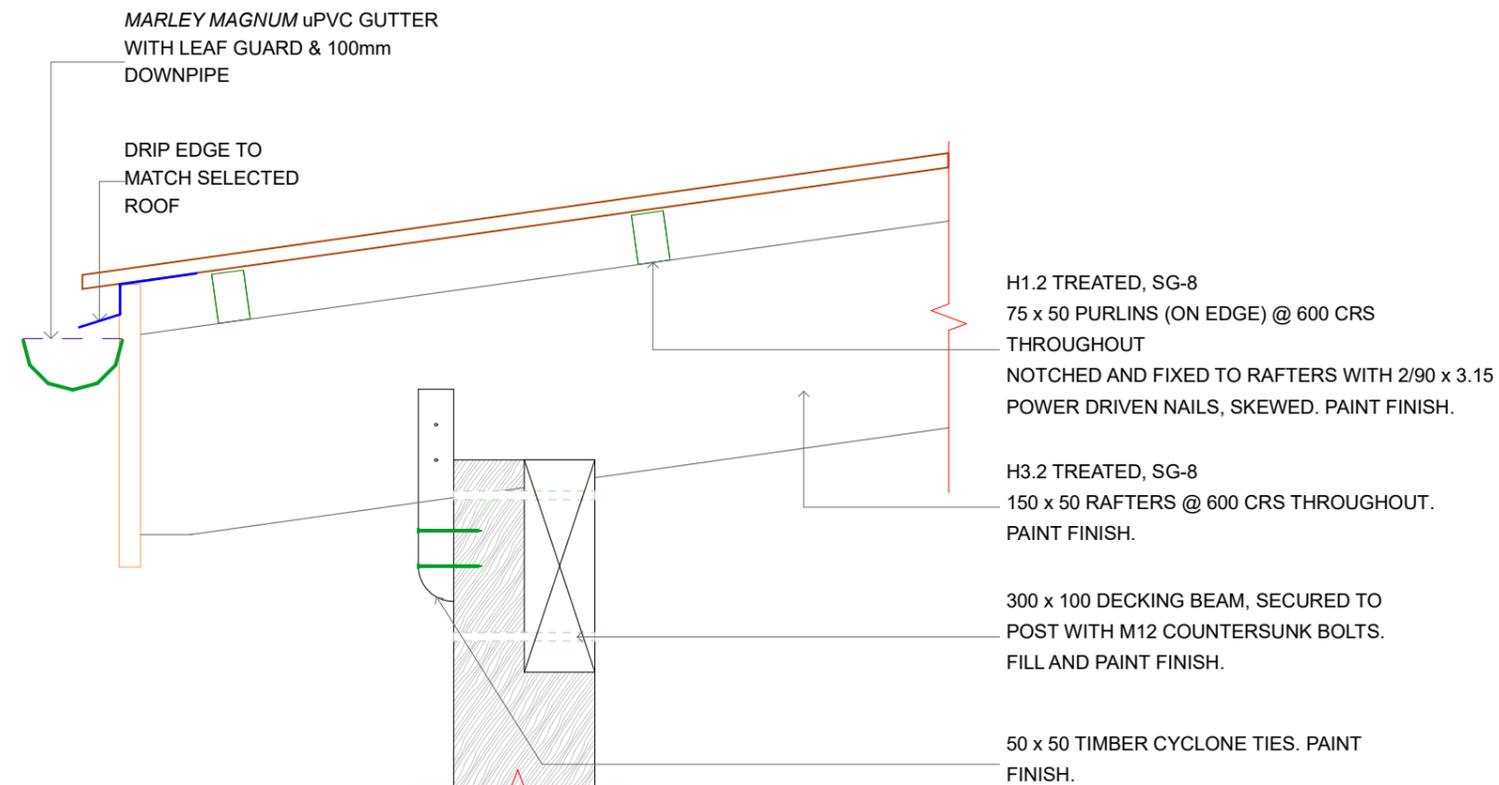
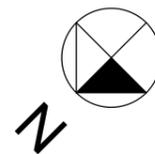
CLIENT: TE MARAE ORA  
PROJECT: Rarotonga Hospital IT  
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ADDRESS: NIKAO, RAROTONGA  
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SHEET  
SHEET DETAILS  
TITLE:  
SCALE: AS SHOWN, @ A3  
REVISION #: A  
ISSUED:

1.13

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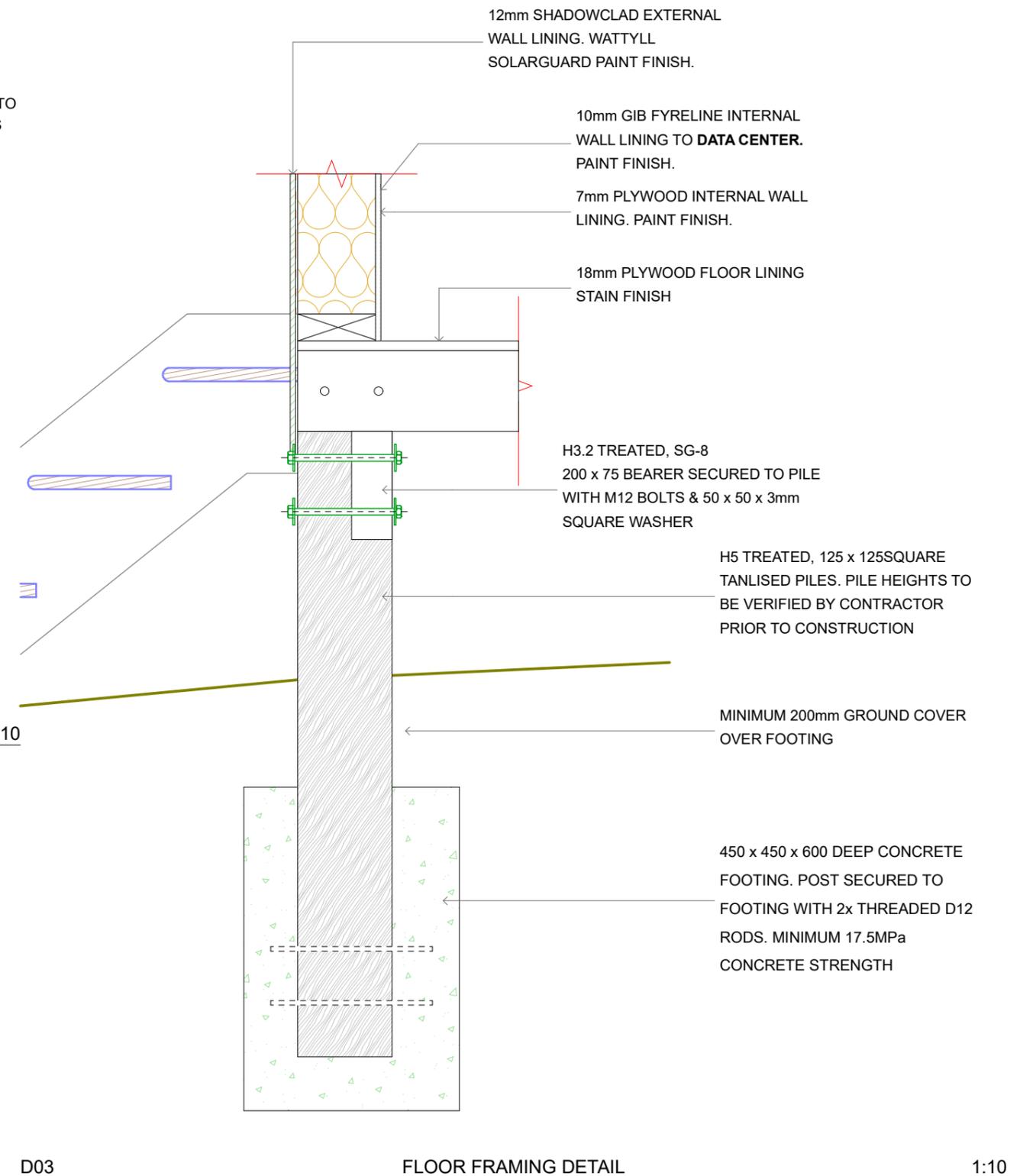
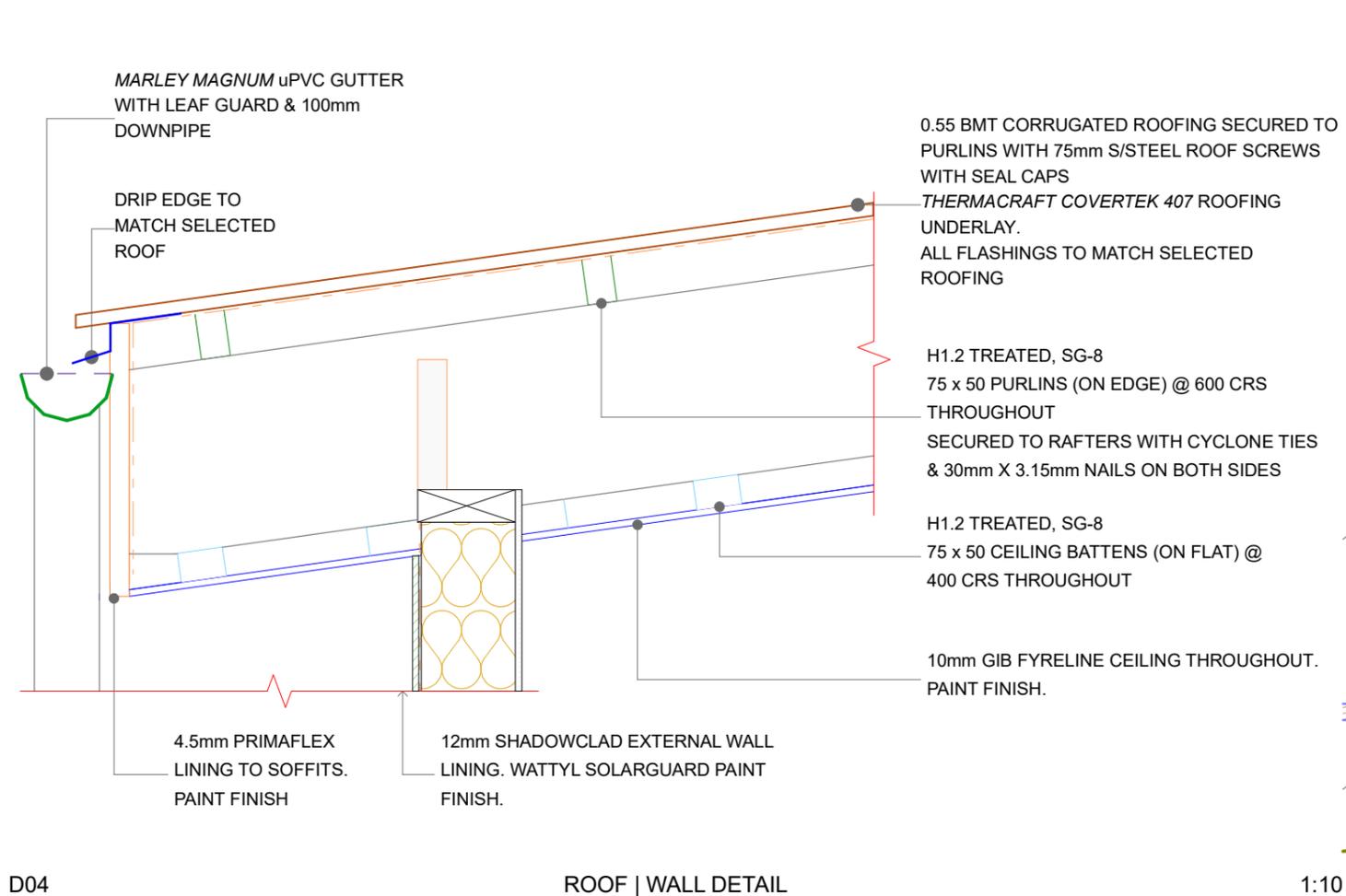
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D02

DECK ROOF | POST DETAIL

1:10



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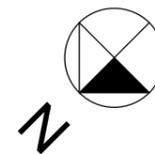
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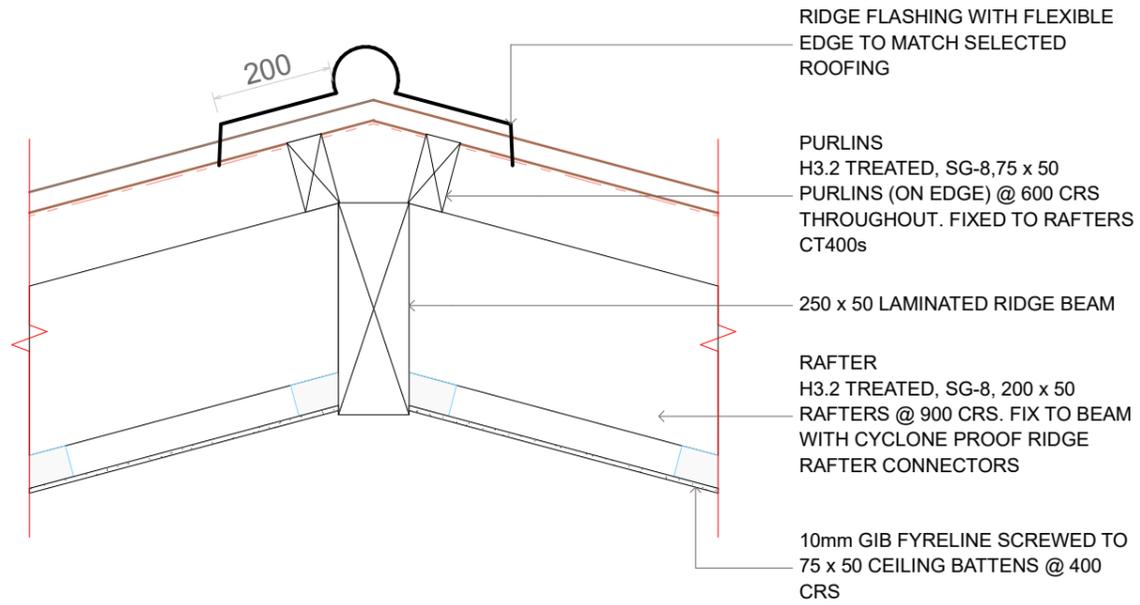
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SHEET  
 SHEET DETAILS TITLE:  
 SCALE: AS SHOWN, @ A3  
 REVISION #: A  
 ISSUED:

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RIDGE FLASHING WITH FLEXIBLE  
EDGE TO MATCH SELECTED  
ROOFING

PURLINS  
H3.2 TREATED, SG-8, 75 x 50  
PURLINS (ON EDGE) @ 600 CRS  
THROUGHOUT. FIXED TO RAFTERS  
CT400s

250 x 50 LAMINATED RIDGE BEAM

RAFTER  
H3.2 TREATED, SG-8, 200 x 50  
RAFTERS @ 900 CRS. FIX TO BEAM  
WITH CYCLONE PROOF RIDGE  
RAFTER CONNECTORS

10mm GIB FYRELINE SCREWED TO  
75 x 50 CEILING BATTENS @ 400  
CRS

005

RIDGE BEAM DETAIL

1:10



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CORPORATION

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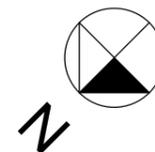
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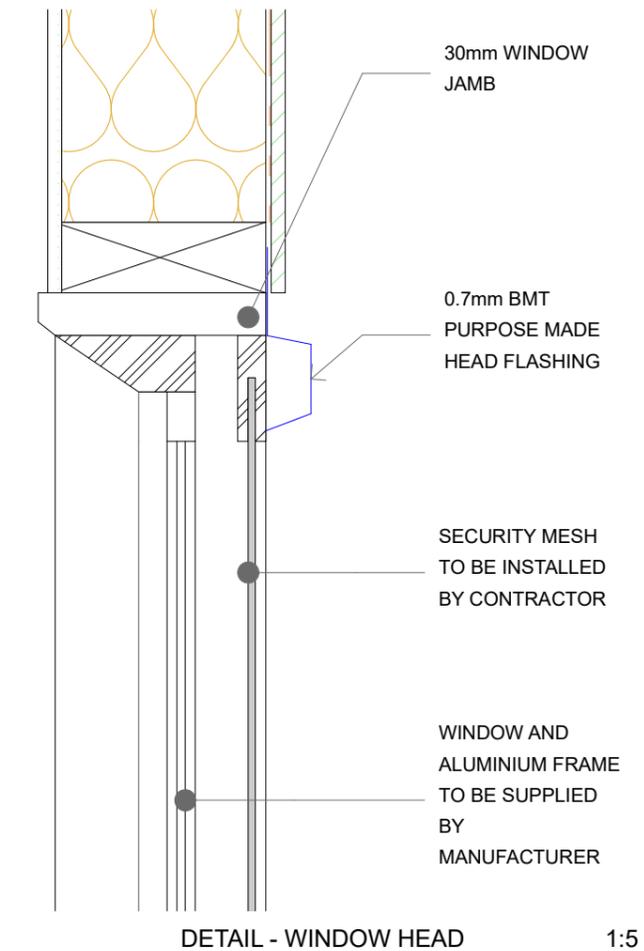
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REVISION #: A  
ISSUED:

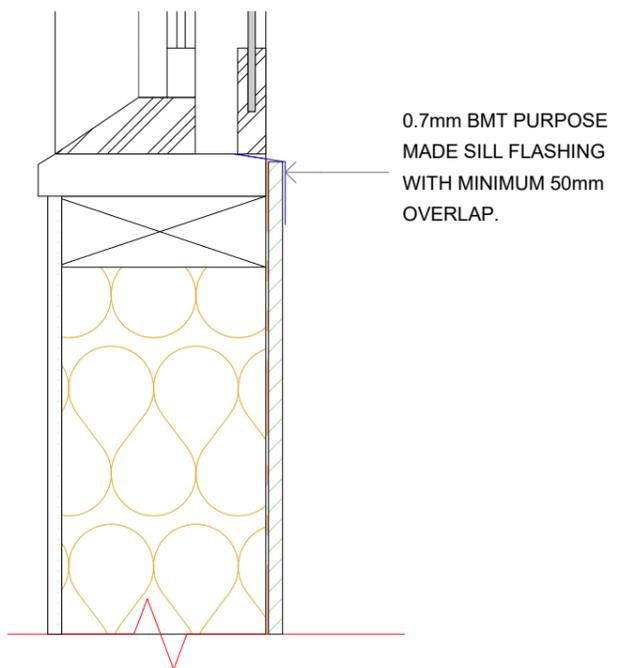
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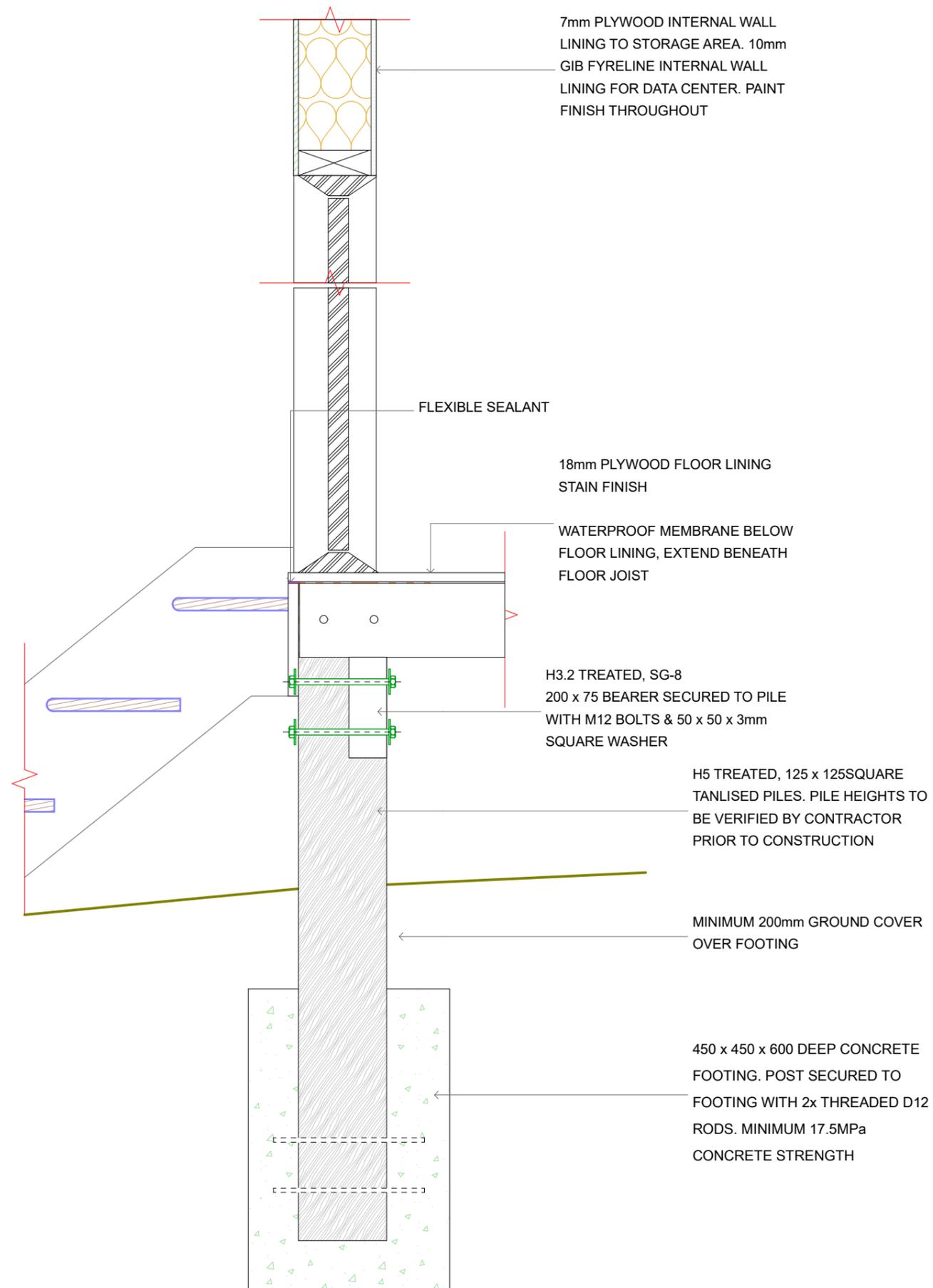




DETAIL - WINDOW HEAD 1:5

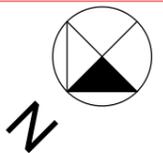


DETAIL - WINDOW SILL 1:5



TYPICAL DOOR SILL & HEAD DETAIL 1:10

ISSUED FOR QUOTES



1.16

SHEET

SHEET TITLE: TYPICAL DOOR & WINDOW DETAILS

SCALE: AS SHOWN, @ A3

REVISION #: A

ISSUED: 17-May-22

CLIENT: TE MARAE ORA

PROJECT: Rarotonga Hospital IT Storage & Office Facility

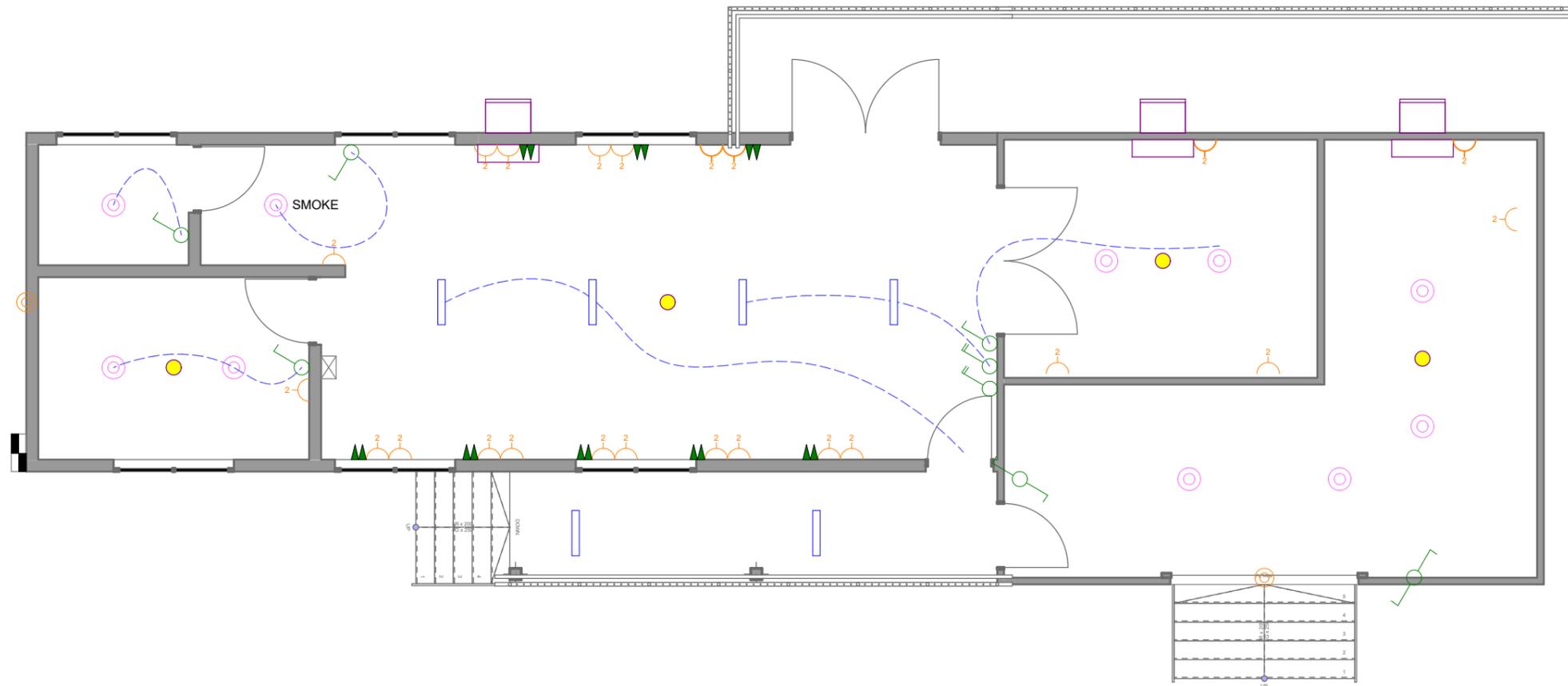
EMAIL: -

DESIGNED BY: CIIC - Government Facility Development



DRAWN BY: Sally Hosking-Naea

Email: sally.hosking-naea@cookislands.gov.ck



ELECTRICAL INDEX		QTY
	CAVIUS HEAT DETECTOR	4
	LIGHT SWITCH, SINGLE POLE. CONNECTED TO CENTRAL OVER RIDE SWITCH	3
	LIGHT SWITCH, TWO-POLE.	1
	LIGHT SWITCH, THREE-POLE.	1
	TWO WAY LIGHT SWITCH (SET)	1
	RECESSED DOWN LIGHT (INTERNAL)	10
	WALL MOUNTED BULKHEAD DAYLIGHT SENSORED LIGHTS	2
	4FT LED LIGHT	7
	WIRING (LINK FROM SWITCH TO LIGHT)	-
	SWITCHED, 2-GANG SOCKET OUTLET (10A)	15
	SWITCHED, 2-GANG SOCKET OUTLET (WEATHER PROOF)	1
	METER BOX	1
	DISTRIBUTION BOARD (DB)	1
	2 PORT DATA WALL OUTLET (DATA cat6 DOUBLE ETHERNET RJ45)	8
	AIR CON - INTERNAL UNIT	3
	AIR CON - EXTERNAL UNIT	3

PROPOSED ELECTRICAL PLAN

1:75



COOK ISLANDS INVESTMENT CORPORATION

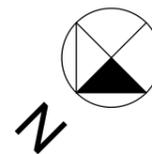
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SHEET  
**1.17**  
SHEET PROPOSED ELECTRICAL PLAN  
TITLE:  
SCALE: AS SHOWN, @ A3  
REVISION #: A  
ISSUED:

17-May-22

ISSUED FOR QUOTES



DOOR SCHEDULE							
Door ID	D01	D02	D03	D04	D05	D05	D06
View from Side Opposite to Opening Side							
2D Symbol							
Sill height	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Description	Roller door (manual)	Single hinged door	Single hinged door with viewing window	Double french door with viewing window	Double french door	Single hinged door	Single hinged door
W x H Size	2,500x2,400	900x2,100	900x2,000	2,000x2,400	2,000x2,400	900x2,000	900x2,000
Glazing	No glazing required	Solid aluminium panel - no glazing required	Solid aluminium panel - clear glazing	Solid aluminium panel - clear glazing	Solid timber door - no glazing required	Solid timber door - no glazing required	Solid timber door - no glazing required
Locks	To be supplied by manufacturer	To be supplied by manufacturer	To be supplied by manufacturer	To be supplied by manufacturer	To be supplied by manufacturer	To be supplied by manufacturer	To be supplied by manufacturer

Window Schedule						
Window ID	W01	W02	W03	W04	W05	W06
2D Symbol						
View from Side Opposite to Opening Side						
Sill height	2,200	2,200	2,400	2,400	2,200	2,200
Description	Sliding window (one sliding, one fixed)					
W x H Size	1,600x800	1,600x800	1,600x600	1,600x600	1,600x800	1,600x800
Glazing	Grade A clear glazing	Grade A clear glazing	Grade A obscure glazing	Grade A obscure glazing	Grade A clear glazing	Grade A clear glazing
Frame	Aluminium residential grade					

**GENERAL DOOR & WINDOW NOTES:**

1. DIMENSIONS ARE NOMINAL ROUGH OPENING (TRIM) SIZES.
2. SILL HEIGHTS ARE TO BE TOP OF THE ROUGH OPENING
3. DOOR SILL HEIGHTS REFER TO DIMENSIONS ABOVE RESPECTIVE GROUND LEVEL (GL)
4. WINDOW SILL HEIGHTS REFER TO DIMENSIONS ABOVE RESPECTIVE FINISHED FLOOR LEVEL (FFL)
5. HEAD HEIGHT IS TO THE UNDERSIDE OF THE ROUGH OPENING
6. ALL GLAZING MUST COMPLY WITH NZS 4223 STANDARDS AND WITHSTAND 74M/S WIND SPEEDS
7. ALL ALTERNATIVES TO BE APPROVED BY DESIGNER PRIOR TO FABRICATION
8. ALL LOCKS AND HARDWARE TO BE SUPPLIED BY MANUFACTURER



COOK ISLANDS INVESTMENT CORPORATION

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1.18

SHEET  
SHEET PROPOSED DOOR & WINDOW SCHEDULE  
TITLE:  
SCALE: AS SHOWN, @ A3  
REVISION #: A  
ISSUED: 17-May-22

ISSUED FOR QUOTES

