



SUPPLY AND INSTALLATION
of the
FIRE PROTECTION SERVICES
for the
SPC NABUA FIRE ALARM SYSTEM
at
NABUA CAMPUS, RATU MARA ROAD, SUVA
for
THE PACIFIC COMMUNITY

PREPARED FOR:
THE PRINCIPAL – THE PACIFIC COMMUNITY

DATED:
JUNE 2024

PROJECT NUMBER AND PROJECT NAME:
7999.2 – SPC NABUA FIRE ALARM SYSTEM



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FIRE PROTECTION SERVICES
SPC NABUA FIRE ALARM SYSTEM
NABUA CAMPUS, RATU MARA ROAD, SUVA
THE PACIFIC COMMUNITY

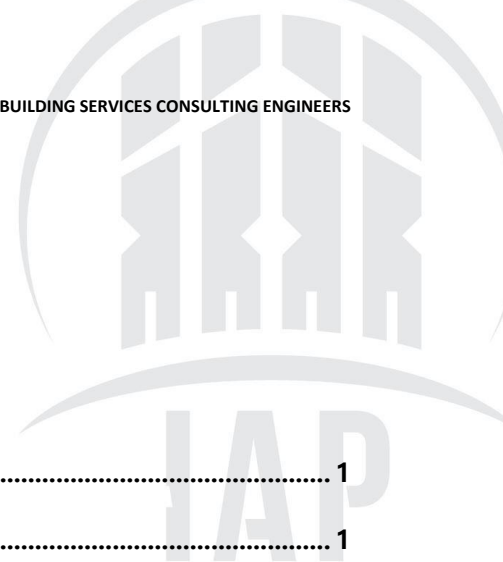


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SECTION 1 GENERAL CONDITIONS OF CONTRACT

General Conditions of Contract shall be the Conditions of Contract for the SPC Nabua Fire Alarm System at Nabua Campus, Ratu Mara Road, Suva, Fiji Islands and any other Amendments and Revisions up to date of issue, provided by the Principal – The Pacific Community.

SECTION 2 SPECIAL CONDITIONS OF CONTRACT

Special Conditions of Contract shall be the Conditions of Contract for the SPC Nabua Fire Alarm System at Nabua Campus, Ratu Mara Road, Suva, Fiji Islands and any other Amendments and Revisions up to date of issue, provided by the Principal – The Pacific Community.

SECTION 3 PRELIMINARY AND GENERAL

Conditions of Contract shall be the Conditions of Contract for the SPC Nabua Fire Alarm System at Nabua Campus, Ratu Mara Road, Suva, Fiji Islands and any other Amendments and Revisions up to date of issue, provided by the Principal – The Pacific Community.

SECTION 4 INTRODUCTION

4.1 GENERAL

This Specification details the requirements for the supply, installation, testing and commissioning of the Fire Protection Services installation for the SPC Nabua Fire Alarm System at Nabua Campus, Ratu Mara Road, Suva, Fiji Islands.

This Specification is to be read in conjunction with all relevant and associated reference documents and drawings that are part of this project.

4.2 TENDER SUBMITTAL

The tender for the supply and installation of the services shall be marked and addressed as the following:

SPC NABUA FIRE ALARM SYSTEM, NABUA CAMPUS, RATU MARA ROAD, SUVA

4.3 DEFINITIONS AND ABBREVIATIONS

The following definitions and abbreviations are applicable to this project:

SPC NABUA FIRE ALARM SYSTEM, NABUA CAMPUS, RATU MARA ROAD, SUVA

TERMS	DEFINITION
"Project"	SPC NABUA FIRE ALARM SYSTEM, NABUA CAMPUS, RATU MARA ROAD, SUVA
"Principal", "Client", "Owner", "Employer"	THE PACIFIC COMMUNITY
"Project Manager"	THE PACIFIC COMMUNITY
"Architect"	-
"Civil and Structural Engineer"	-
"Quantity Surveyor"	-
"Services Engineer", "Building Services Engineer"	IRWIN ALSOP PACIFIC PTE LIMITED
"Tenderer", "Sub - contractor".	The company bidding for and subsequently being accepted to carry out the works outlined in this Specification.
"Contract", "Contract"	The works included in this Specification and the accompanying engineering drawings.
"Approved"	Subject to the inspection, investigation and written approval of the Engineer before being implemented into the Contract works.
"Indicated"	As shown on the Contract drawings and specifications, and by notes, figures, sketches or writing, thereon or by any combination thereof.

TERMS	DEFINITION
"Supply and install"	Whether or not the words "supply and install" appear in this Specification or on the drawings, unless clearly excluded, all items of equipment for the complete installation are required and shall be supplied and installed.
"Equivalent"	Any system/ equipment meeting or exceeding the stated Standard and Regulatory Authority requirements.

4.4 LOCAL AUTHORITY REQUIREMENTS

The work carried out by the Fire Protection Contractors shall comply in all respects with this Specification and:

- a. Local Electricity Public Utility Authority regulations – Energy Fiji Limited.
 - b. Local Water Public Utility Authority regulations – Water Authority of Fiji.
 - c. Local Fire Protection Public Utility Authority regulations – National Fire Authority of Fiji.
 - d. Local Telecommunications Public Utility Authority regulations – Telecom Fiji Limited.
 - e. The Health and Safety at Work Act.
 - f. The National Building Code of Fiji.
 - g. Current issue of relevant Australian and New Zealand Standards.
- Any other regulations that apply directly or indirectly to such installations in the location.

The Fire Protection Contractor shall be responsible for the liaison and making applications to relevant local Authority for permits to carry out the work involved, and pay all associated fees and charges in respect of the work involved as required by the local governing Authorities.

Certificates shall be obtained from the appropriate local Authority indicating satisfactory completion of services and handed over to the Building Services Engineer before application for final payment.

Variations to the installation found necessary to obtain approval shall be brought to the notice of the Building Services Engineer immediately.

It is the responsibility of the Fire Protection Contractor to arrange for all necessary inspections and rectify any defects and deficiencies arising within the installation, to the full satisfaction of the above-mentioned local Authority and the Building Services Engineer.

4.5 ADOPTED STANDARDS AND CODES OF PRACTICE

The work carried out by the Fire Protection Contractor shall comply in all respects with this Specification and the following Standards:

- a. The National Building Code of Fiji.
- b. NZS 4512
- c. NZS 4503.

Standards and Codes shall be recent issues, including the latest amendments and revisions, to be used during the supply and execution of the works.

Alternative comparable Standards and Codes which can be demonstrated to be equivalent or exceeding the requirements of the stated Standards shall only be considered as alternatives upon approvals sought from the Building Services Engineer.

Unless otherwise stated, the equipment and installation Standards shall conform in every manner to the requirements of the latest issue of appropriate and approved Australian and New Zealand Standards.

4.6 ASSOCIATION WITH OTHER TRADES

The Fire Protection Contractor shall coordinate, as applicable, all works by other trades, including all interfaces to make the systems fully functional and operate as specified.

This shall include, but not be limited to: Architectural Works, Landscaping Works, Structural Works, Electrical Services, Mechanical Services, Telecommunications Services.

The Fire Protection Contractor shall at all times liaise with other Contractors and the Building Services Engineer to ensure that the works are carried out in a timely, orderly manner so as to minimise risks, delays, disturbances, and damage to any equipment or property. Any inconsistencies between various trades and associated drawings shall immediately be reported to the Building Services Engineer.

4.7 OCCUPATIONAL, HEALTH AND SAFETY

The Fire Protection Contractor shall ensure that proper safety is maintained on site at all times during the course of the project as per the Health and Safety at Work Act and the requirements of the Labour Department.

The Fire Protection Contractor's personnel shall be in proper safety gear and equipment including, but not limited to, hard hats, safety boots, safety gloves, safety goggles, ear muffs/ plugs, dust masks, proper harness, etc.

The site personnel are to ensure that proper and safe handling of all equipment is maintained at all times, to avoid injury/ danger to one's self and to others.

SECTION 5 SCOPE OF WORK

5.1 GENERAL

The scope of works comprises the supply, installation, testing, commissioning, maintenance and defects liability services of materials, labour and equipment for the complete Fire Protection Services installation for the SPC Nabua Fire Alarm System at Nabua Campus, Ratu Mara Road, Suva, Fiji Islands.

This shall include all necessary work required to implement the intent and meaning of this Specification and associated drawings.

Whether or not the words "supply and install" appear in this Specification or on the drawings, unless clearly excluded, all items of equipment for the complete installation are required and shall be supplied and installed.

EXTENT OF WORK

The work shall include but will not be limited to the following main items:

- a. Supply and installation of the complete Automatic Addressable Fire Alarm System.
- b. Supply and installation of the Fire Indicating Unit (FIU).
- c. Supply and installation of the Alarm Signalling Equipment (ASE unit) to connect to NFA's monitoring facility.
- d. Supply and installation of the Mimic Panels.
- e. Supply and installation of the wireless connection between the Main Fire Indicating Unit and Mimic Panels.
- f. Supply and installation of the Automatic Addressable Smoke Detectors.
- g. Supply and installation of the Automatic Addressable Heat Detectors.
- h. Supply and installation of the Fire Speakers – Ceiling mounted type (Including IP65 rated types).
- i. Supply and installation of the Fire Speakers – Wall mounted type (Including IP65 rated types).
- j. Supply and installation of the Strobe Alarm – Ceiling mounted type (Including IP65 rated types).
- k. Supply and installation of the Strobe Alarm – Ceiling mounted type (Including IP65 rated types).
- l. Supply and installation of the Manual Call Points (with correct NFA contact).
- m. Supply and installation of the Manual Call Point Protective Cover/Stopper. (with in-built alarm)
- n. Supply and installation of the Fire Alarm cabling.
- o. Supply and installation of the Fire Speaker cabling.
- p. Supply and installation of conduits, catenary wire, fasteners and associated accessories.
- q. Allow for Builder's work involved in the installation of the complete Fire Protection Services installation.
- r. Upon practical completion, allow for training of the designated Fire Wardens, Security personnel and those personnel as appointed / nominated by the Client.

ADDITIONAL WORK

The work shall include but will not be limited to the following main items:

- a. Coordination work with National Fire Authority of Fiji.
- b. Coordination works with other Trades.
- c. Provision of Shop Drawings.
- d. Testing, Commissioning, Warranty and Preventative Maintenance of the complete Fire Protection installation.
- e. Provision of As Installed drawings.
- f. Provision of Installation and Maintenance Manuals.
- g. Maintenance and attendance work during the Defects Liability Period (12 months).
- h. Trenching works conforming to the tender documents and drawing details.

5.2 WORK BY OTHERS

The following work will be provided by others:

5.2.1 ARCHITECTURAL, STRUCTURAL AND CIVIL WORKS IN ASSOCIATION

The Building Contractor shall provide cut-out / penetrations exceeding 100mm in diameter and/or 100mm x 100mm square along walls, partitioning, ceiling, roof, floors and wherever required upon approvals sought from the Structural Engineer.

Penetrations which are lesser than the stated dimensions above shall only be made by the Fire Protection Contractor upon proper permission / approvals being sought from the SPC Facilities Department and Structural Engineer.

These penetrations shall be sealed in an approved manner by the Fire Protection Contractor, upon completion of the required installation.

Note that all penetrations shall be executed in a manner that maintains the fire rating, acoustic and security integrity of the walls, partitioning, ceiling, roof, floors, etc.

5.2.2 ELECTRICAL WORKS IN ASSOCIATION

The Electrical Contractor shall provide the following works:

- a. The power supply for the Main Fire Indicative Unit (MFIU) and all Mimic Panels – locations will be at the entrance. – see fire protection services drawings sheets for locations (F04, B2-F02, B6-F02, B11-F01, B18-F02).

5.2.3 HYDRAULICS WORKS IN ASSOCIATION

The Hydraulics Contractor shall provide the following works:

- a. N/A

5.2.4 MECHANICAL WORKS IN ASSOCIATION

The Mechanical Contractor shall provide the following works:

- a. Allow a fire rated cable to be run to the FIUs for the shutdown of all fresh air systems in the event of a fire.

5.2.5 VERTICAL TRANSPORTATION IN ASSOCIATION

The Vertical Transportation Contractor shall provide the following works:

- a. N/A

5.2.6 TELECOMMUNICATION IN ASSOCIATION

The Telecommunication Contractor shall provide the following works:

- a. Allow for a fire rated cable to be run to the FIUs for the implementation of the Security Services systems response to the fire alarms activation.

5.3 COMPLIANCE WITH RULES, REGULATIONS AND CODES

All work performed under this Section of the Contract shall be carried out by the Fire Protection Contractor and shall comply in all respects with this Specification, Regulations and By-Laws of the appropriate Authorities including:

- a. The Building Regulations applying to the project.
 - b. Current issue of relevant Australian and New Zealand Standards.
 - c. The National Building Code of Fiji.
 - d. Local Public Utility Authority Regulations – Energy Fiji Limited.
 - e. Ministry of Labour OHS Regulations.
 - f. Local Authority Council.
 - g. Any other regulations that apply directly or indirectly to such regulations in the locations.
- Materials, manufactured articles and workmanship shall conform to the relevant Standards. Where Authorities so require, items shall be stamped with their approval.

5.4 DRAWINGS

The scope of work is shown on the Architectural and Fire Protection Services drawings (F01 to F05 and B1-F01 to B23-F01) which should be read in conjunction with this Specification. Refer to the Architectural, Structural and Fire Protection drawings for the exact positions of fixtures, fittings, plant equipment, sundry appliances and structural elements. Confirm dimensions on site before commencing work. Any deviations less than 1.5m will not constitute a variation.

The following drawings shall form part of the Contract:

DWG#	SHEET TITLE	SCALE
F01	SCHEDULE OF DRAWINGS, LEGENDS, TABLE OF ABBREVIATIONS AND LOCALITY PLAN	NTS
F02	SPECIFICATION & SCOPE OF WORKS	NTS
F03	PROPOSED LEVEL B1 CAR STORAGE PLAN – FIRST RESPONSE FIRE EQUIPMENT LAYOUTS	NTS
F04	SITE PLAN PROPOSED MFIU AND MIMIC PANEL LOCATIONS & LOOP CABLING RETICULATION	1 : 500 @ A3
F05	PROPOSED TRENCH-RISER/RISER-TRENCH DETAIL	NTS
B1_F01	BUILDING 1: EXISTING FLOOR PLAN EXISTING FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B1_F02	BUILDING 1: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B1_F03	BUILDING 1: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B2_F01	BUILDING 2: EXISTING FLOOR PLAN EXISTING FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B2_F02	BUILDING 2: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B2_F03	BUILDING 2: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B3_F01	BUILDING 3: EXISTING FLOOR PLAN EXISTING FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B3_F02	BUILDING 3: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B3_F03	BUILDING 3: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B4_F01	BUILDING 4: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 50 @ A3
B4_F02	BUILDING 4: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 50 @ A3
B5_F01	BUILDING 5: EXISTING FLOOR PLAN EXISTING FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B5_F02	BUILDING 5: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B5_F03	BUILDING 5: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B6_F01	BUILDING 6: EXISTING FLOOR PLAN EXISTING FIRE PROTECTION LAYOUTS	1 : 100 @ A3

B6_F02	BUILDING 6: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B6_F03	BUILDING 6: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B7_F01	BUILDING 7: EXISTING FLOOR PAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B8_F01	BUILDING 8: EXISTING FLOOR PLAN EXISTING FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B8_F02	BUILDING 8: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B8_F03	BUILDING 8: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B9_F01	BUILDING 9: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B9_F02	BUILDING 9: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B10_F01	BUILDING 10: EXISTING FLOOR PLAN EXISTING FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B10_F02	BUILDING 10: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B10_F03	BUILDING 10: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B10_F04	BUILDING 10: EXISTING FIRST FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B11_F01	BUILDING 11: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B11_F02	BUILDING 11: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B12_F01	BUILDING 12: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 50 @ A3
B12_F02	BUILDING 12: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 50 @ A3
B13_F01	BUILDING 13: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B15_F01	BUILDING 15: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 50 @ A3
B15_F02	BUILDING 15: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 50 @ A3
B16_F01	BUILDING 16: EXISTING FLOOR PLAN EXISTING FIRE PROTECTION LAYOUTS	1 : 100 @ A3

B16_F02	BUILDING 16: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B16_F03	BUILDING 16: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B17_F01	BUILDING 17: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B17_F02	BUILDING 18: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B18_F01	BUILDING 18: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B18_F02	BUILDING 18: EXISTING FLOOR PLAN CONCEALED SPACE PROPOSED FIRE PROTECTION LAYOUTS	1 : 100 @ A3
B20_F01	BUILDING 20: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 125 @ A3
B21_F01	BUILDING 21: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 25 @ A3
B22_F01	BUILDING 22: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 50 @ A3
B23_F01	BUILDING 23: EXISTING FLOOR PLAN PROPOSED FIRE PROTECTION LAYOUTS	1 : 50 @ A3

5.5 SAMPLES

The Fire Protection Contractor will be required to submit for approval by the Building Services Engineer, detectors, alerting devices, cabling, manual call points and materials to be used in the works.

5.6 AUTHORITIES AND FEES

Make application to the National Fire Authority of Fiji for permits to carry out the work. The Fire Protection Contractor shall submit for approval by the Building Services Engineer, all National Fire Authority of Fiji fees and charges in respect of the work involved. The National Fire Authority of Fiji fees will be paid by the Client. The Consumer Deposit will be paid by the Client.

5.7 APPROVAL CERTIFICATE

Provide the Building Services Engineer with a copy of the signed and stamped National Fire Authority of Fiji Completion Certificate prior to the commencement of the Defects Liability Period.

5.8 SHOP DRAWINGS

Provide for approval shop drawings of the Fire Protection Services connections and construction details, and schematics for all associated equipment. Confirm all dimensions on site prior to the submittal of shop drawings. All internal and external cabling routes shall be shown. Conduit dimensions for underground cabling installations must be labelled clearly and accurate routes marked

on the site plan must be provided. Locations and dimensions of cable risers and droppers must be shown. Details for cable protection for cables and conduits rising from or dropping into underground trenches must be included in the submission.

Supply shop drawings in SI Metric to completely detail the works as follows:

ITEM	DESCRIPTION	INFORMATION REQUIRED	SETS
1.	Fire Alarm System	Construction and Layout Details	3

Submission to the Building Services Engineer in the first instance shall be made not less than two (2) weeks prior to approval in principle is required.

Examination by the Building Services Engineer shall not diminish the Fire Protection Contractor’s responsibility for co-coordinating and checking shop drawings nor the Fire Protection Contractor’s responsibility for correctness of his work. At the completion of the project, update all drawings to indicate as installed details. All drawings are required to be provided in electronic (AutoCAD 2014 version or approved equivalent) and paper copy format (3 sets).

The Fire Protection Contractor shall submit samples or brochures with technical data of the items for approval prior to installation.

5.9 WORK PROGRAMME

Submission to the owner/client (SPC) in the first instance shall be made not less than one week, prior to approval in principle, is required. The work programme which shall match the main project programme outline shall be amended, as and when advised by the owner/client (SPC). The work programme must allow sufficient contingencies for installation works after hours.

5.10 WORKING HOURS AND ALLOWANCES FOR AFTER HOURS WORK

The Fire Protection Services Contractor shall allow for installation work to be carried out during the SPC Nabua campus’s normal working hours and make allowances for after hours. The percentage of after-hours work must be no more 30% of the normal installation time (in hours) allocated to each building. This allowance is to accommodate working in areas where work would be prohibited whilst the building is under normal operation and for areas where there are elevated security requirements. Dedicated supervision during the installation will be provided by the owner/client in such areas and circumstances.

SPC Nabua Campus Normal Work Hours

Monday to Friday between 8am to 4.30pm.

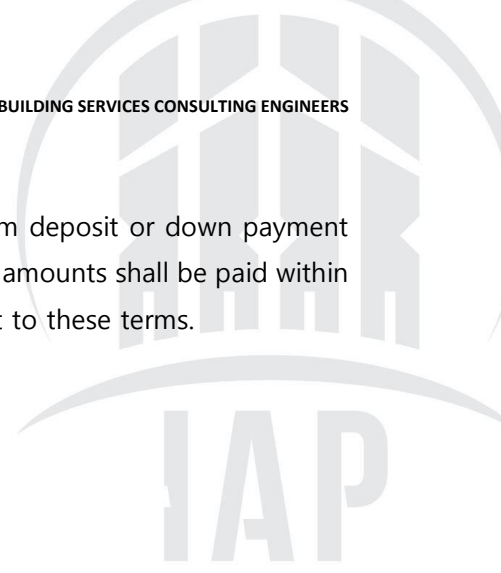
SPC Nabua Campus After Normal Working Hours and Weekends (Negotiable)

Mon-Fri can be from 5pm

Sat & Sun can be from 9am-5pm

5.11 PAYMENTS

It is the policy of the owner/client that they are restricted to a maximum deposit or down payment of no more than 20% of the total contract sum. Approved progress claim amounts shall be paid within a 30-day period. By submitting your tender you confirm your agreement to these terms.



SECTION 6 AUTOMATIC FIRE ALARM SYSTEM

6.1 SCOPE OF WORK

The Fire Protection Contractor shall supply, install, test and commission the Fire Alarm System for the proposed building.

These works include the supply, installation, testing and commissioning of the Fire Indicating Unit, detectors, manual call points, Mimic Panels, Wireless Receivers & Transmitters and associated equipment required to provide a complete fire detection system as detailed on the drawings.

The Fire Protection Contractor shall be responsible for inspecting the site and the documents during the Tender period. Failure to inspect the site shall not relieve the Fire Protection Contractor of his responsibility to provide a system in accordance with the Rules, Regulations and Standards listed herein.

6.2 SYSTEM DESCRIPTION

The Fire Alarm system shall comprise of the Fire Indicating Unit, Mimic Panels detectors, manual call points, alerting devices, ancillary systems and their associated cabling and devices.

Upon receipt of a fire alarm signal from a manual call point or automatic detector, the Fire Indicating Unit shall:

- 6.2.1 Activate the alerting devices. (Strobes, tones and verbal evacuation message)
- 6.2.2 Notify the National Fire Authority of Fiji's monitoring facility.

6.3 RULES, REGULATIONS AND STANDARDS

Materials used, and the work carried out, shall be strictly in accordance with the most recent rules, regulations and Standards of the following Authorities:

- 6.3.1 The National Fire Authority of Fiji.
- 6.3.2 The Energy Fiji Limited.
- 6.3.3 The Telecom Fiji Limited.
- 6.3.4 Australian Standard AS 1670.1 and relevant Standards.
- 6.3.5 New Zealand Standard NZS4512 and relevant Standards.
- 6.3.6 FPANZ Register of Fire Alarm Equipment Issue 5 Rev 10, 2023.

It is the responsibility of the Fire Protection Contractor to arrange for all necessary inspections and rectify any defects and deficiencies arising within the installation, to the full satisfaction of the above-mentioned Authorities and the Building Services Engineer.

6.4 MATERIALS

Supply materials and equipment of the best available quality, conforming with the appropriate current New Zealand/Australian Standards. Install free of damage, corrosion, scale or any defect whatsoever

and maintained in that condition until the Contract is completed. Comply with the manufacturer's instructions and recommendations for use and installation, unless directed otherwise.

6.5 SAMPLES AND APPROVALS

Submit for approval samples, sketches, drawings, test certificates of all materials or equipment purposed to be used on this Contract. Allow two weeks for approval.

6.6 INSPECTION

All work carried out under this Section of the Contract will be subject to inspection both during and after completion.

A satisfactory review after inspection and all required tests must be given by the Building Services Engineer before invoices for work done will be paid.

6.7 PAINTING

The Fire Protection Contractor shall allow for the painting of all mounting brackets, supports, etc., whether wood or metal and where exposed to view or corrosion/rotting is possible due to environmental conditions. The paint process used shall be appropriate to the material being painted and the colour shall match the adjacent surfaces. The paint process and material shall be approved by the Building Services Engineer prior to any painting work being commenced.

6.8 TROPICALISATION

All items of equipment covered by this Section of the Specification shall be tropicalized to suit the conditions prevailing in Fiji Islands.

6.9 SHOP DRAWINGS

Within four weeks of the commencement of the contract, the Fire Protection Contractor shall submit 3 sets of working drawings showing exact route of cables, location of equipment and layout of the Fire Indicating Unit.

6.10 FIRE INDICATING UNIT

The Fire Protection Contractor shall supply and install an Automatic Conventional Fire Indicating Unit at the position shown on the drawing (s) and in compliance with New Zealand Standard NZS4512:

- a. The panel shall be equipped with a 24V 7AH sealed lead acid battery supply system, complete with charging circuits suitable for a 240V AC supply.
- b. The panel shall monitor the fire detection heads and manual call stations and on the occurrence of fire shall indicate on a mimic diagram the appropriate fire zone.
- c. Fire indication and zone fault lamps shall be mounted on the front of the panel with an engraved mimic diagram to identify the zone locations.
- d. The panel shall be provided with suitable front access for servicing.

- e. A trial evacuation switch shall be located on the front of the panel.
- f. A full-size drawing of the front of the panel layout including mimic details shall be submitted for approval prior to manufacture.
- g. All plug-in contacts, cards and relays to have non-corrodible metal surfaces and shall have retainers to prevent them shaking loose.
- h. A permanent diagram of connections of the panel, as agreed by the Building Services Engineer, shall be fastened inside the panel.
- i. A xerox, photo or similar type of chemical process print (pencil or ink not accepted) depicting the circuitry of the control panel. This print shall be at least 300mm x 200mm in size and mounted behind a plastic panel inside the control panel.
- j. Panel shall be complete with internal supply (24V sealed lead acid batteries and trickle charger unit).
- k. The rating of the batteries and trickle charging unit shall be sufficient to meet all the power requirements of the complete system plus 25% spare capacity.
- l. Batteries should be firmly attached to the body of the panel using clamps, etc.

The Fire Protection Contractor shall provide and install a Georgian glass door for the weatherproofing of the Fire Indicating Unit.

In cases where the Fire Indicating Unit is exposed to the sun and elements shall be covered with a canopy complying to the requirements set out in the NZ4512 standards.

6.11 DETECTORS

6.11.1 GENERAL

Detectors shall be of the Addressable type as required by the relevant Codes and Authorities. Actual locations shall be determined with reference to luminaires and air-conditioning diffusers.

All detectors at the plant rooms, services cupboards and toilets shall be protected by approved stainless steel wire guards.

Prior to commencement of wiring rough-in, provide the Building Services Engineer with Shop Drawings showing detector positions for approval.

6.11.2 APPEARANCE

Detectors to be installed in offices, public areas, and the like shall be of neat, compact appearance and shall provide the minimum possible area for the lodgement of dust.

6.11.3 REMOTE INDICATOR

An indicator connected to a detector consisting of a light emitting diode (LED), mounted in a clearly visible position, which illuminates whenever the detector operation causes an alarm

condition to register on the Fire Indicating Unit. A faulty indicator shall not render the detector inoperative under fire conditions.

6.11.4 REMOTE INDICATORS

Mounting positions:

- a. Detectors in concealed spaces: On a visible panel close to the concealed space housing the detector.
- b. Detectors within lockable rooms: On wall above door.

6.11.5 MOUNTING OF DETECTORS

In all cases, appropriate facilities for correctly mounted detectors shall be provided by the Fire Protection Contractor. Heights and type of ceilings shall be determined by the Contractor during the tender period.

In all cases, the Fire Protection Contractor shall provide and install additional battens above ceiling materials for the proper fixing of detectors. Detectors shall not be fixed to ceiling materials alone without appropriate backing as indicated.

For all detectors, special care shall be taken and adequate provisions made to prevent contact between electrically active parts including terminals, and between active parts and any metal surface support or other object.

6.11.6 INSTALLATION

Install detectors so that they can be easily inspected and tested in situ, and readily withdrawn from service for testing or replacement.

6.12 MANUAL CALL-POINTS

Manual call points shall comply with NZS4512 of Appendix E. Call points shall be suitable for surface and flush mounting and be inscribed with the words "FIRE ALARM – PUSH HERE PRESS SWITCH". Mount at 1300 above floor level (to the centre of the call-point).

All manual call points shall be installed with a permanent label displaying the correct number to call in the event of a fire. **Pasted or adhesive labels will not be accepted.**

6.13 ALERTING DEVICES

Audible alarm alerting devices shall be mounted at 2500mm above floor level (to the centre of the devices).

6.14 CABLING INSTALLATION

6.14.1 GENERAL

All fire alarm cabling shall be thermoplastic sheathed (TPS) with red coloured sheathing. All wiring shall be carried out on the "loop-in" loop-out system and no joints shall be made except at outlets.

All wiring shall be concealed unless otherwise specified or shown on the drawings. Generally, where electrical wiring in an area is concealed the fire alarm wiring shall also be concealed.

Wiring may be surface mounted in areas without ceilings (such as service ducts and the like) and shall be surface mounted in conduit, in plant rooms: but otherwise, no wiring shall be surface mounted without written approval.

Where cables must be surface mounted, they shall be installed in such a manner as to conform with any pattern formed panelling, beams, battens, columns and the like, and in all cases shall be as unobtrusive as possible. All surface mounted cables shall be enclosed in approved duct or conduit as specified.

6.14.2 METHOD OF WIRING

6.14.2.1 GENERAL

Install all wiring in accordance with an approved colour code, so that all wires are readily distinguishable.

All fire alarm wiring shall be completely separated from 240volt wiring and where it crosses 240volt wiring a separating bridge of rigid non-conducting material shall be supplied and installed between the fire alarm and 240volt wiring. In general, fire alarm cables must be so spaced from all other wiring or otherwise protected, such that the magnitude of induced voltage in the detector circuit cannot cause a fire alarm.

The minimum size of conductors shall be as follows:

240volt wiring	2.5 sq. mm
D.C Wiring	1.5 sq. mm (Stranded)
Wiring to remote indicators	0.75 sq. mm (Flexible – Coloured RED)
Multicore Cables	0.50 sq. mm (Stranded)

However, size each circuit, with due regard to voltage drop, as well as the above minimum conductor size. If larger cables are required on any circuit these shall be marked on the drawings sent for review.

6.14.2.2 TPS WIRING

Where TPS wiring is to be installed, the wiring shall consist of PVC insulated, red PVC sheathed, 0.6/1kV grade cable (red TPS).

Cabling in false ceiling spaces shall be installed on catenary wires fixed to the building structure. Cabling shall be fixed to the catenary wires by means of proprietary cable ties at intervals not exceeding 450mm. Sufficient tails shall be provided before termination into field-devices to prevent cables from being pulled taut.

6.14.2.3 WIRING IN CONDUIT

Other than red TPS enclosed in conduit in certain locations, all wiring in a conduit system shall consist of PVC insulated 0.6/1kV grade stranded copper cables. All conduits enclosed single insulated cable must be mechanically continuous back to the Fire Indicating Unit.

6.14.2.4 TERMINATIONS

Connections of cables to studs or under screw heads shall be by means of approved type of insulated crimp tool, to the Manufacturer's recommendations.

6.14.2.5 TRENCHING

The Fire Protection Contractor shall allow for all trenching and reinstatement of the existing finished surfaces. All trenching and backfilling shall conform to the details provided in the tender drawings and local applicable codes. Care must be exercised at all times to ensure that existing underground services are not disturbed or damaged.

6.15 WIRELESS TRANSMISSION

6.15.1 GENERAL

The wireless connection shall provide sufficient range and signal strength to ensure reliable communication between the Main Fire Indicating Unit and the Mimic Panels. The wireless connection shall not be affected by natural or man-made electrical interference.

The wireless connection shall provide sufficient range and signal strength to ensure reliable communication between the control panel and the mimic panel.

6.15.2 INSTALLATION

The installation of the wireless connection between the control panel and the mimic panel shall be performed by qualified technicians in accordance with manufacturer's guidelines.

Configuration settings such as channel selection, transmission power, and network addressing shall be optimized to ensure optimal performance of the wireless link.

6.16 TESTING AND COMMISSIONING

6.16.1 GENERAL

Testing shall be carried out to demonstrate and record, prior to completion, that all work meets the performances specified. The work shall be re-tested in the presence of the Building Services Engineer and a National Fire Authority of Fiji officer, who requires at least seven full working days prior notice to enable them to attend. A testing programme is required to be submitted to the Building Services Engineer for approval which sets out the sequence, approximate timetable and method to be used.

Appendix J of NZS4512 shall be completed by the Fire Protection Contractor and National Fire Authority of Fiji and handed over to the Building Services Engineer.

6.16.2 FAULTS

Should any one of the tests reveal a fault, the fault shall be corrected and re-tested prior to acceptance of the work. It shall be the responsibility of the Fire Protection Contractor to supply all necessary testing equipment, measuring instruments and the appropriately skilled labour required for conducting the tests. The Fire Protection Contractor shall prepare a detailed and comprehensive check list for his use during testing. This check list shall be submitted to the Building Services Engineer for approval. All tests shall be conducted in accordance with the requirements of the Specification and New Zealand Standard NZS4512.

6.16.3 PROCEDURES

Prior to starting the test, the Fire Protection Contractor is required to satisfy himself that:

- a. The installation is strictly in accordance with the Specification and the Drawings
- b. All equipment is in proper working order
- c. All instruments to be used for the testing are suitable for the purpose and have been calibrated by a recognised laboratory within the last 12 months
- d. The draft installation, commissioning, operation and maintenance instructions are available
- e. The test checklists are available for recording all testing information and results
- f. Each detector shall be tested in situ to prove correct operation and automatic resetting.

6.17 GUARANTEE

The Fire Protection Contractor is to guarantee for a period of one (1) year after the commissioning of the system and its acceptance by the Building Services Engineer, the full and proper functioning of the fire alarm system. The Fire Protection Contractor has to promptly and without cost to the Principal, correct all defects due to faulty components, materials or workmanship.

6.18 MAINTENANCE

The Fire Protection Contractor is to be responsible for the comprehensive maintenance of the fire alarm system for a period of 12 months to run concurrently with the Defects Liability period. Full details of the maintenance are to be included in the tender documents. A notice shall be attached prominently near the Fire Indicating Unit showing name, address and telephone numbers of servicemen, and shall be kept up to date and legible throughout the Contract period.

6.19 FINAL ACCEPTANCE TEST

Prior to the completion of the Defects Liability Period, an annual survey shall be carried out to the approval of the Building Services Engineer and in accordance with the instructions contained in Part 6 of NZS4512. Test all detectors in-situ to ensure correct operation and automatic resetting.

The Contract shall be deemed to be complete when the results of final tests, as prescribed by the Building Services Engineer and carried out by the Fire Protection Contractor, are to the satisfaction of the Building Services Engineer and the National Fire Authority of Fiji. Provide the Building Services Engineer with written notice two weeks in advance of the final test which should be carried out in the final month of the Defects Liability Period.

6.20 SPARES

Provide three spare detectors of each type used. The Fire Protection Contractor shall also provide a full list of spares, including costs that he considers necessary at 24 hours per day, 7 days per week.

SECTION 7 TESTING AND COMMISSIONING

7.1 GENERAL

This section of the specification covers the requirements for commissioning and acceptance tests for all the equipment and systems installed under this Contract.

The installation shall be tested and commissioned to the satisfaction of the Building Services Engineer and National Fire Authority of Fiji prior to the acceptance of the installation and the commencement of the Defects Liability Period.

The tests shall comprise a thorough inspection of the complete installation and the operational and performance tests specified or necessary to confirm compliance with the specification. The necessary skilled and competent personnel together with all equipment, fuel and electrical power required to test and commission the works shall be provided.

All necessary testing and commissioning shall be carefully pre-planned and scheduled in order that it is fully coordinated with other relevant trades and shall be carried out in a safe and efficient manner with a minimum of inconvenience to all concerned. All equipment or materials found to be faulty during testing shall either be replaced or repaired free of charge.

The installation shall be tested progressively as the work is carried out then finally tested once it is completed to ensure compliance with the Specification, is mechanically and electrically safe and that it will operate correctly under normal, emergency and fault conditions.

Control, protection and operative devices shall be checked for correct adjustment and rating.

The completed installation or stages therefore shall be ready for connection at the programme target dates and where applicable copies of related correspondence with the National Fire Authority of Fiji shall be submitted to the Building Services Engineer.

Should a trial or test be deemed unsatisfactory by the Building Services Engineer it shall be repeated at no further charge after necessary rectification, until such time as a satisfactory result is obtained.

National Fire Authority of Fiji approvals shall be obtained in writing and included in the Maintenance Manual.

7.2 PRE-COMMISSIONING

The Building Services Engineer shall be given seven (7) working days' notice of any proposed test and shall be given the opportunity to attend all such tests.

Notice of fourteen (14) calendar days is required so that the Client's Representative can arrange witnessed commissioning. Before lodging this Notice, the Fire Protection Contractor shall conduct all

pre-commissioning tests on all equipment. Should any test fail, the Fire Protection Contractor shall determine the cause of the failure, correct the fault and repeat the test.

7.3 COMMISSIONING

Carry out all commissioning tests necessary to put the systems into use and for approval before Practical Completion is granted. Record all test results and include in the Maintenance Manual. Commissioning shall be carried out by specialists in the respective fields.

Each item of equipment individually and the complete system as a whole shall be checked and adjusted to achieve satisfactory performance.

Commissioning personnel shall be provided with preliminary copies of Maintenance Manuals and As Installed drawings to facilitate correct commissioning and for checking of Manuals and drawings for correctness.

7.4 TESTS AND INSTALLATION INSTRUMENTS

The Fire Protection Contractor shall supply all instruments, appliances and test loads necessary to complete the performance tests and test procedures specified.

The Fire Protection Contractor shall ensure that all test instruments have been checked for accuracy prior to their use; including, but not limited to:

- 7.4.1 Manufacturers' checks.
- 7.4.2 Any approved laboratory checks.

The Fire Protection Contractor shall provide calibration certificates if requested.

Gauges and instruments provided as permanent parts of the installation may be used during performance testing providing evidence is submitted of their calibration accuracy.

7.5 TEST RESULTS

All test procedures used and results obtained for both works and site tests shall be submitted in the form of a written Test Report.

Records shall be kept of test results and two (2) copies shall be submitted to the Building Services Engineer at the completion of the work. Approval of the format required for the test results shall be obtained prior to the submission.

7.6 NOTICES

All tests required by the National Fire Authority of Fiji shall be completed in accordance with directions given by them. Copies of all approval notices including the 'Final Acceptance' notice shall be submitted prior to the claim for final payment.

7.7 HANDING OVER

Prior to handing over of the installation, the Fire Protection Contractor shall adopt the following procedures:

- 7.7.1 Carry out all preliminary testing, checking and adjusting of the installation before forwarding notification that the installation is considered to have reached Completion.
- 7.7.2 Provide installation manuals together with post-Contract drawings and documentation as specified.
- 7.7.3 Review and adjust all programming, including user access profiles six to eight weeks following handover.

Completion of the works will be certified only after the system has been inspected, tested, and approved, all manuals and drawings have been received and approved, and all other of the above requirements fulfilled.

SECTION 8 AS INSTALLED DRAWINGS AND INSTALLATION MANUALS

8.1 GENERAL

The Fire Protection Contractor shall supply at Practical Completion As-Installed drawings and Installation Manuals for the project.

8.2 AS INSTALLED DRAWINGS

As from the commencement of work, keep a record of all deviations and changes from the Contract drawings and mark on a set of prints an accurate record of all work as actually installed.

The drawings shall be marked up progressively and tabled, for approval, at each site meeting.

The As Installed drawings correctly brought up to date to present true and accurate representation of the actual installation and to a scale of not less than 1:100 shall be provided for approval at Practical Completion.

The following shall be included in these drawings:

- a. Physical layouts of the Fire Indicating Unit.
- b. Physical layouts of the Mimic Panel.
- c. Physical layouts of the detectors.
- d. Physical layouts of the alerting devices.
- e. Physical layouts of the manual call points.

Upon submission and approval, the following issue of As Installed drawings shall be made:

- a. Three (3) complete sets of prints, bound as sets.
- b. An accompanying typed list of all drawings shall be provided, with both full drawing number and title.
- c. All drawings are required to be provided in electronic file (AutoCAD 2014 version or approved equivalent).

8.3 INSTALLATION MANUALS

Three copies of the Installation Manual shall be submitted to the Building Services Engineer at Practical Completion.

A full description of the various systems involved and instructions covering every action necessary for the efficient operation and maintenance of the installation shall be included.

The manual shall be bound neatly in a blue vinyl hardback folder with stamped gold lettering on the front cover, in a format to be confirmed by the Building Services Engineer.

In addition, the words, 'Installation Manual', the services, and the job name, shall be stamped in gold lettering along the spine of the folder.

All aspects of the style and quality of the Manual, including folders and contents shall be to approval.

The general format to be followed shall be:

SECTION 1	INDEX All divisions of each section including lists of drawings, equipment and similar shall be indexed for quick reference.
SECTION 2	GENERAL DESCRIPTION Each individual system shall be included as a section as appropriate. Full details of any system which requires regular maintenance shall be included. The function of each system or system shall be described.
SECTION 3	AS INSTALLED DRAWINGS A complete set of As Installed Drawings shall be included in the Installation Manual.
SECTION 4	EQUIPMENT All major items of equipment installed by the Fire Protection Contractor shall be listed complete with the Manufacturer's name, Model, and/or Type No., Serial No., size, and design ratings in divided sections as for Section 2 above (i.e., all relevant data necessary for re-ordering or replacing).
SECTION 5	INSTALLATION MAINTENANCE AND OPERATING INSTRUCTIONS Manufacturer's installation, maintenance and operating instruction for each system shall be included and divided as for Section 2. A comprehensive maintenance schedule to be followed throughout the warranty period shall be included along with copies of all data relating to commissioning testing.
SECTION 6	PLANT OPERATING INSTRUCTIONS A complete description and correct sequence of all actions necessary to start up and operate each system shall be provided and divided as for Section 2. Full operation on such items as normal and abnormal dial readings and protection equipment settings shall be included. Information on the immediate action to be taken in the event of hazardous conditions arising shall be provided concluding with the following sentence in large lettering. FOR SERVICE - CALL TELEPHONE NO.: _____ (With appropriate telephone number provided).
SECTION 7	PERFORMANCE TEST RESULTS Space for inclusion of all performance test results shall be provided and divided as for Section 2. All results of progressive tests during the installation works shall be included.

SECTION 9 MAINTENANCE AND SERVICING

9.1 GENERAL

The Defects Liability Period will commence at the date of completion of all works required under this specification. The duration of the Defects Liability Period will be twelve (12) calendar months from the date of completion. An additional twelve (12) months defects liability may also apply, should this option be accepted, extending the Defects Liability Period to twenty-four (24) months from the date of Completion.

This clause applies irrespective of the fact that such part or parts may have been previously accepted. The Fire Protection Contractor shall warrant that all aspects of the Fire Protection Services installation at the site, which the Client's Representative has not otherwise accepted in writing, meet the requirements of this Specification. Any devices subsequently found that do not meet these requirements shall be treated as a defect and shall be rectified by the Fire Protection Contractor as detailed below.

Within seven (7) days of the commencement of the Defects Liability Period, the Client's Representative will provide a list of defective items to the Fire Protection Contractor. The Fire Protection Contractor shall make good the defective items within twenty-eight (28) calendar days of the commencement of the Defects Liability Period. Defective items not rectified within the stated period will result in an extension to the Defects Liability Period equal to this delay as calculated by the Client's Representative.

During the Warranty Period, defined as the Defects Liability Period, the Fire Protection Contractor shall undertake the following:

- 9.1.1 Replace or make good any part or parts which may prove faulty in design, workmanship or material.
- 9.1.2 Rectify all faults and defects (hardware and software), which occur during the Defects Liability Period.
- 9.1.3 Provide warranty of the entire fire protection services installation(s) including all parts, labour and peripheral equipment.
- 9.1.4 Renew or modify any items of equipment and/or group of items and/or complete system that do not comply with the operating conditions and performance specified during the period of twelve (12) calendar months after the date of Completion.
- 9.1.5 Include for all labour and all incidental costs for the removal and replacement of defective parts or components.
- 9.1.6 Perform the required works as instructed in writing within seven (7) days of such notices.
- 9.1.7 Test all replaced items and show that the system operates as designed.

Failure to rectify defects found during the Defect Liability period will result in the Client Representative engaging others to finish the required works. The costs of these works will be deducted from payments owing or billed. At the end of the Warranty Period, the Fire Protection Contractor shall pass on to the Client's Representative any remaining warranty from equipment manufacturers and/or suppliers. The Fire Protection Contractor shall provide details of all warranties in the Maintenance Manuals.

9.2 MAINTENANCE

Routine maintenance and servicing shall be carried out for a period of 12 months from the date of Practical Completion to the end of the Defects Liability Period. Routine maintenance shall be carried out on a monthly basis and emergency service shall be carried out on a 24 hour call out basis.

Maintenance procedures shall be as appropriate to ensure the safe and proper operation of all systems and shall be in accordance with current Standard requirements of the Building Act and Regulations having jurisdiction, relevant Australian Standards, Local Authority Regulations and the schedule provided in the Installation Manual as outlined in Section 'Testing and Commissioning' of this Specification.

Routine maintenance shall be deemed to be the regular maintenance of equipment and shall include not less than:

- a. Maintaining a dated record of servicing performed on each system in a servicing record book to be retained under the Principal's control on site.

The last maintenance visit prior to the end of the Defects Liability Period shall be a major visit for complete service. The Building Services Engineer shall be advised of the proposed service program for the last major visit not less than one (1) week prior to the date of the proposed last visit so that a representative may be present during the service.

9.3 RECTIFICATION OF DEFECTS

All defects shall be promptly rectified. Retention moneys or Bank Guarantee will not be released until all outstanding defects notified during the Defects Liability Period have been rectified and completion of such work subsequently advised in writing to the approving Authority.

9.4 SERVICE LOG BOOK

Provide a log book bound in an approved hard cover folder and containing sufficient pages to record all operational maintenance during the defects liability period. Provide a fixed holder in an approved location for the log book.

Record in the log book all maintenance work performed. Each log sheet shall be signed by the Serviceman responsible and shall include the date and description of work carried out. All log sheets must be countersigned by the Principal's representative.

The front cover of the log book shall be labelled with the name of the project and shall clearly note that each sheet must be countersigned. Inform the Maintenance staff and supplier's Serviceman on the correct use of the log book.

9.5 DEFECTS LIABILITY

The Defects Liability Period shall be 52 weeks from the date of Practical Completion.

During the Defects Liability Period the Fire Protection Contractor to be responsible for the provision of all labour, materials and other costs associated with the removal of defective components, bad workmanship and the installation, adjusting and testing of replacements and to carry out such work within a reasonable time.

Equipment replaced or repaired during the warranty period shall be provided with a warranty of 52 weeks commencing from the date of replacement or repair.

Warranty maintenance for the replaced or repaired equipment shall be limited to the 52 weeks from the date of Practical Completion.

9.6 CERTIFICATION

Prior to the end of the Defects Liability period, make a final service visit and upon satisfactory completion of the above procedures certify in writing that the installation is operating correctly.



APPENDICES

APPENDIX I TENDER FORM (To be completed and submitted with Tender)

FIRE PROTECTION SERVICES TENDER

THE PACIFIC COMMUNITY – SPC NABUA FIRE ALARM SYSTEM

NABUA CAMPUS, RATU MARA ROAD, SUVA

We, the undersigned having examined the Drawings and Specification hereby offer to execute and complete the whole of the works required to be done, as shown on the said Drawings and described by or referred to in the Specification and for the Fixed Lump Sum of:

.....
..... (FJD \$)

Which includes all Contingency, Provisional and P C Sums and is a Fixed Lump Sum V.A.T. inclusive without provision for fluctuations in the cost of labour and materials.

AS WITNESS OUR HANDS THIS day of 2024.

SIGNATURE OF TENDERER

OFFICE STAMP

ADDRESS

WITNESS [SIGNATURE AND
BLOCK CAPITALS]

ADDRESS

OCCUPATION

DATE

We confirm that our time for completion is calendar weeks.

The Tender shall be open for acceptance for a period of ninety (90) days. The Principal does not bind himself to accept the lowest or any tender. The documents must not be altered in any way. Any special observation should be made in a separate letter attached to this Tender. The Tender submission shall be in accordance with the instructions detailed in the 'Invitation to Tender'.

NAME OF TENDERER:

SIGNATURE: DATE:

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 1 OF 22 SHEETS	
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.:	7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE:	JUNE 2024

BUILDING 1		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the Automatic Smoke Detectors.	\$
4.	Supply and installation of the Automatic Heat Detectors.	\$
5.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicators.	\$
6.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
7.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
8.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
9.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
10.	Supply and installation of the Fire Alarm cabling and connection to Building 2 Mimic Panel.	\$
11.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 2 Mimic Panel.	\$
12.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
13.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
14.		\$
15.		\$
16.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 2 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 2		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the Mimic Panels.	\$
4.	Termination of fire alarm cabling from Buildings 1, 3 and 4.	\$
5.	Supply and installation of the wireless transmission between the Main Fire Indicating Unti and the Mimic Panel	\$
6.	Supply and installation of the Automatic Smoke Detectors.	\$
7.	Supply and installation of the Automatic Heat Detectors.	\$
8.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
9.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
10.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
11.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
12.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
13.	Supply and installation of the Fire Alarm cabling and connection to Building 2 Mimic Panel.	\$
14.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 2 Mimic Panel.	\$
15.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
16.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	
All other items not listed above for complete fire protection installation (please specify below)		
17.		\$
18.		
19.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 3 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 2		
ITEM	DESCRIPTION	PRICE (VEP)
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 3		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the ASE (Alarm Signalling Equipment) and connection to NFA’s monitoring facility. (Includes liaison with NFA and all associated fees for the ASE installation)	\$
4.	Supply and installation of the Automatic Smoke Detectors.	\$
5.	Supply and installation of the Automatic Heat Detectors.	\$
6.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
7.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
8.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
9.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
10.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
11.	Supply and installation of the Fire Alarm cabling and connection to Building 2 Mimic Panel.	\$
12.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 2 Mimic Panel.	\$
13.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
14.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 4 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 3		
ITEM	DESCRIPTION	PRICE (VEP)
15.		\$
16.		\$
17.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 4		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Smoke Detectors.	\$
3.	Supply and installation of the Automatic Heat Detectors.	\$
4.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
5.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
6.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
7.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
8.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
9.	Supply and installation of the Fire Alarm cabling and connection to Building 2 Mimic Panel.	\$
10.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 2 Mimic Panel.	\$
11.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
12.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
13.		\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 5 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 4		
ITEM	DESCRIPTION	PRICE (VEP)
14.		\$
15.		
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 5		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the Automatic Smoke Detectors.	\$
4.	Supply and installation of the Automatic Heat Detectors.	\$
5.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
6.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
7.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
8.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
9.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
10.	Supply and installation of the Fire Alarm cabling and connection to Building 6 Mimic Panel.	\$
11.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 6 Mimic Panel.	\$
12.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
13.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 6 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 5		
ITEM	DESCRIPTION	PRICE (VEP)
14.		\$
15.		\$
16.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 6		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the Mimic Panels.	\$
4.	Termination of fire alarm cabling from Buildings 5 and 7.	\$
5.	Supply and installation of the wireless transmission between the Main Fire Indicating Unti and the Mimic Panels	\$
6.	Supply and installation of the Automatic Smoke Detectors.	\$
7.	Supply and installation of the Automatic Heat Detectors.	\$
8.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
9.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
10.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
11.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
12.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
13.	Supply and installation of the Fire Alarm cabling and connection to Building 6 Mimic Panel.	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 7 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 6		
ITEM	DESCRIPTION	PRICE (VEP)
14.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 6 Mimic Panel.	\$
15.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
16.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
17.		\$
18.		
19.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 7		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Heat Detectors.	\$
3.	Supply and installation of the Fire Alarm cabling and connection to Building 6 Mimic Panel.	\$
All other items not listed above for complete fire protection installation (please specify below)		
4.		\$
5.		\$
6.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 8		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$

NAME OF TENDERER:

SIGNATURE: DATE:

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 8 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 8		
ITEM	DESCRIPTION	PRICE (VEP)
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the Mimic Panels.	\$
4.	Supply and installation of the wireless transmission between the Main Fire Indicating Unti and the Mimic Panels	\$
5.	Termination of fire alarm cabling from Building 13.	\$
6.	Supply and installation of the Automatic Smoke Detectors.	\$
7.	Supply and installation of the Automatic Heat Detectors.	\$
8.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
9.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
10.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
11.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
12.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
13.	Supply and installation of the Fire Alarm cabling and connection to Building 8 Mimic Panel.	\$
14.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 8 Mimic Panel.	\$
15.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
16.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
17.		\$
18.		\$
19.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 9 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 8		
ITEM	DESCRIPTION	PRICE (VEP)
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 9		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the Automatic Smoke Detectors.	\$
4.	Supply and installation of the Automatic Heat Detectors.	\$
5.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
6.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
7.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
8.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
9.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
10.	Supply and installation of the Fire Alarm cabling and connection to Building 11 Fire Indicating Unit.	\$
11.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 11 Fire Indicating Unit.	\$
12.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
13.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
14.		\$
15.		\$
16.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 10 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 9		
ITEM	DESCRIPTION	PRICE (VEP)
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 10		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the Automatic Smoke Detectors.	\$
4.	Supply and installation of the Automatic Heat Detectors.	\$
5.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
6.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
7.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
8.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
9.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
10.	Supply and installation of the Fire Alarm cabling and connection to Building 11 Fire Indicating Unit.	\$
11.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 11 Fire Indicating Unit.	\$
12.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
13.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
14.		\$
15.		\$
16.		\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 11 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 10		
ITEM	DESCRIPTION	PRICE (VEP)
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 11		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Main Fire Indicating Unit (FIU)	\$
3.	Supply and installation of the Alarm Signalling Equipment (ASE) Unit.	\$
4.	Termination of fire alarm cabling from Buildings 9, 10 and 12.	\$
5.	Supply and installation of the wireless transmission between the Main Fire Indicating Unit and the Mimic Panels	\$
6.	Supply and installation of the ASE (Alarm Signalling Equipment) and connection to NFA’s monitoring facility. (Includes liaison with NFA and all associated fees for the ASE installation)	\$
7.	Supply and installation of the Automatic Smoke Detectors.	\$
8.	Supply and installation of the Automatic Heat Detectors.	\$
9.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
10.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
11.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
12.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
13.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
14.	Supply and installation of the Fire Alarm cabling and connection to Building 11 Fire Indicating Unit.	\$
15.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 11 Fire Indicating Unit.	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 12 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 11		
ITEM	DESCRIPTION	PRICE (VEP)
16.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
17.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
18.		\$
19.		\$
20.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 12		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Smoke Detectors.	\$
3.	Supply and installation of the Automatic Heat Detectors.	\$
4.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
5.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
6.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
7.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
8.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
9.	Supply and installation of the Fire Alarm cabling and connection to Building 11 Fire Indicating Unit.	\$
10.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 11 Fire Indicating Unit I.	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 13 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 12		
ITEM	DESCRIPTION	PRICE (VEP)
11.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
12.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
13.		\$
14.		\$
15.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 13		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Heat Detectors.	\$
3.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
4.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
5.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
6.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
7.	Supply and installation of the Fire Alarm cabling and connection to Building 8 Mimic Panel.	\$
8.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 8 Mimic Panel.	\$
9.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
10.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 14 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 13		
ITEM	DESCRIPTION	PRICE (VEP)
11.		\$
12.		\$
13.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 15		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Smoke Detectors.	\$
3.	Supply and installation of the Automatic Heat Detectors.	\$
4.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
5.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
6.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
7.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers)Strobe Alarms)(Including IP65 rated types)	\$
8.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
9.	Supply and installation of the Fire Alarm cabling and connection to Building 18 Mimic Panel.	\$
10.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 18 Mimic Panel.	\$
11.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
12.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
13.		\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 15 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 15		
ITEM	DESCRIPTION	PRICE (VEP)
14.		\$
15.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 16		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the Automatic Smoke Detectors.	\$
4.	Supply and installation of the Automatic Heat Detectors.	\$
5.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
6.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
7.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
8.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers-Strobe Alarms)(Including IP65 rated types)	\$
9.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
10.	Supply and installation of the Fire Alarm cabling and connection to Building 18 Mimic Panel.	\$
11.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 18 Mimic Panel.	\$
12.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
13.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 16 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 16		
ITEM	DESCRIPTION	PRICE (VEP)
14.		\$
15.		\$
16.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 17		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Smoke Detectors.	\$
3.	Supply and installation of the Automatic Heat Detectors.	\$
4.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
5.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
6.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
7.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers-Strobe Alarms)(Including IP65 rated types)	\$
8.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
9.	Supply and installation of the Fire Alarm cabling and connection to Building 18 Mimic Panel.	\$
10.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 18 Mimic Panel.	\$
11.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
12.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
13.		\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 17 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 17		
ITEM	DESCRIPTION	PRICE (VEP)
14.		\$
15.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 18 & 19		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Disconnection and removal (with care) of all existing fire alarm equipment. (Return all equipment to client)	\$
3.	Supply and installation of the Mimic Panels.	\$
4.	Termination of fire alarm cabling from Buildings 15, 16, 17, 19, 20, 22 and 23.	\$
5.	Supply and installation of the wireless transmission between the Main Fire Indicating Unti and the Mimic Panels	\$
6.	Supply and installation of the Automatic Smoke Detectors.	\$
7.	Supply and installation of the Automatic Heat Detectors.	\$
8.	Supply and installation of the Automatic In-Ceiling Heat Detectors with Remote Indicator.	\$
9.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
10.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
11.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers-Strobe Alarms)(Including IP65 rated types)	\$
12.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
13.	Supply and installation of the Fire Alarm cabling and connection to Building 18 Mimic Panel.	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 18 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 18 & 19		
ITEM	DESCRIPTION	PRICE (VEP)
14.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 18 Mimic Panel.	\$
15.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
16.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
17.		\$
18.		\$
19.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 20		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Heat Detectors.	\$
3.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
4.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
5.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers-Strobe Alarms)(Including IP65 rated types)	\$
6.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
7.	Supply and installation of the Fire Alarm cabling and connection to Building 18 Mimic Panel.	\$
8.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 18 Mimic Panel.	\$
9.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 19 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 20		
ITEM	DESCRIPTION	PRICE (VEP)
10.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
11.		\$
12.		\$
13.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 21		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Heat Detectors.	\$
3.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
4.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
5.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers-Strobe Alarms)(Including IP65 rated types)	\$
6.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
7.	Supply and installation of the Fire Alarm cabling and connection to Building 2 Mimic Panel.	\$
8.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 2 Mimic Panel.	\$
9.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
10.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
11.		\$
12.		\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET	20 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.:	7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE:	JUNE 2024

BUILDING 21		
ITEM	DESCRIPTION	PRICE (VEP)
13.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

BUILDING 22		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Heat Detectors.	\$
3.	Supply and installation of the Audible Alerting Device (Fire Speakers)(Including IP65 rated types)	\$
4.	Supply and installation of the Visual Alerting Device (Strobe Alarms)(Including IP65 rated types)	\$
5.	Supply and installation of the Audible-Visual Alerting Device (Fire Speakers-Strobe Alarms)(Including IP65 rated types)	\$
6.	Supply and installation of the Manual Call Points (with correct NFA contact)	\$
7.	Supply and installation of the Fire Alarm cabling and connection to Building 18 Mimic Panel.	\$
8.	Supply and installation of the Fire Speaker and Strobe cabling and connection to Building 18 Mimic Panel.	\$
9.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
10.	Supply and installation of in-ceiling kits for in-ceiling concealed detectors.	\$
All other items not listed above for complete fire protection installation (please specify below)		
11.		\$
12.		\$
13.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 21 OF 22 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

BUILDING 23		
ITEM	DESCRIPTION	PRICE (VEP)
1.	Preliminary and General.	\$
2.	Supply and installation of the Automatic Heat Detectors.	\$
3.	Supply and installation of the Fire Alarm cabling and connection to Building 18 Mimic Panel.	\$
4.	Other trades interface of the fire alarm system (Access Controls and Fresh-Air Systems)	\$
All other items not listed above for complete fire protection installation (please specify below)		
5.		\$
6.		\$
7.		\$
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

SUMMARY		
ITEM	DESCRIPTION	PRICE (VEP)
1.	BUILDING 1	\$
2.	BUILDING 2	\$
3.	BUILDING 3	\$
4.	BUILDING 4	\$
5.	BUILDING 5	\$
6.	BUILDING 6	\$
7.	BUILDING 7	\$
8.	BUILDING 8	\$
9.	BUILDING 9	\$
10.	BUILDING 10	\$
11.	BUILDING 11	\$
12.	BUILDING 12	\$
13.	BUILDING 13	\$
14.	BUILDING 15	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX II SUMMARY OF TENDER (To be completed and submitted with Tender)

PRINCIPAL: THE PACIFIC COMMUNITY

SHEET 22 OF 22 SHEETS

PROJECT NAME: SPC NABUA FIRE ALARM SYSTEM

PROJECT NO.: 7999.2

SPECIFICATION: FIRE PROTECTION SERVICES

DATE: JUNE 2024

SUMMARY		
ITEM	DESCRIPTION	PRICE (VEP)
15.	BUILDING 16	\$
16.	BUILDING 17	\$
17.	BUILDING 18	\$
18.	BUILDING 20	\$
19.	BUILDING 21	\$
20.	BUILDING 22	\$
21.	BUILDING 23	\$
22.	OVERALL TRENCHING WORKS AND REINSTATEMENT OF TRENCHED SURFACES	\$
23.	SUPPLY OF SHOP DRAWINGS (ONLY ARCHITECTURAL DWGS WILL BE SUPPLIED).	\$
24.	TESTING AND COMMISSIONING.	\$
25.	SUPPLY OF AS INSTALLED DRAWINGS.	\$
26.	SUPPLY OF INSTALLATION MANUALS.	\$
27.	TWELVE (12) MONTHS MAINTENANCE.	\$
ALL OTHER ITEMS NOT LISTED ABOVE FOR COMPLETE FIRE PROTECTION INSTALLATION (PLEASE SPECIFY BELOW)		
28.		\$
29.		\$
30.		
31.		
32.		\$
33.	CONTINGENCY SUM (VAT Exclusive) FJD	\$35,000.00
	TOTAL TENDER PRICE (VAT Exclusive) FJD	\$
	VAT @ 15%	\$
	TOTAL TENDER PRICE (VAT Inclusive) FJD	\$

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX III SCHEDULE OF TECHNICAL DATA (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 1 OF 4 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

Two loose copies of this Schedule are supplied with this Specification.

One copy shall be completed, signed by the Tenderer and returned with his tender. The other copy is for the Tenderer's retention. A Tender shall be regarded as not complying with this Specification if the information required by this Schedule of Technical Data is not supplied with the Tender.

Tenders are to be based on equipment etc., as specified. Alternatives may be submitted, but must be clearly described to receive consideration. For each alternative, an alternative tender price must be submitted.

NAME OF PROPOSED CONTRACTOR / SUPPLIER	CONTRACT EQUIPMENT
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____
6. _____	_____
7. _____	_____

COMPARABLE WORK CARRIED OUT BY THE TENDERER	APPROXIMATE VALUE
1. _____	\$ _____
2. _____	\$ _____
3. _____	\$ _____
4. _____	\$ _____
5. _____	\$ _____
6. _____	\$ _____
7. _____	\$ _____

NAME OF TENDERER: _____

SIGNATURE: _____ **DATE:** _____

APPENDIX III SCHEDULE OF TECHNICAL DATA (To be completed and submitted with Tender)

PRINCIPAL: THE PACIFIC COMMUNITY
PROJECT NAME: SPC NABUA FIRE ALARM SYSTEM
SPECIFICATION: FIRE PROTECTION SERVICES

SHEET 2 OF 4 SHEETS
PROJECT NO.: 7999.2
DATE: JUNE 2024

1. FIRE INDICATING UNIT

Manufacturer: _____
Model No: _____
FPANZ Listing No: _____

2. MIMIC PANEL

Manufacturer: _____
Model No: _____
FPANZ Listing No: _____

3. ASE UNIT

Manufacturer: _____
Model No: _____

4. AUTOMATIC HEAT DETECTORS

Manufacturer: _____
Model No: _____
FPANZ Listing No: _____

5. AUTOMATIC HEAT DETECTORS (CONCEALED SPACE WITH KIT)

Manufacturer: _____
Model No: _____
FPANZ Listing No: _____

6. AUTOMATIC SMOKE DETECTORS

Manufacturer: _____
Model No: _____

NAME OF TENDERER: _____

SIGNATURE: _____ **DATE:** _____

APPENDIX III SCHEDULE OF TECHNICAL DATA (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 3 OF 4 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

FPANZ Listing No: _____

7. AUDIBLE VISUAL ALERTING DEVICES - CEILING MOUNTED (ALARM SOUNDERS / STROBE)

Manufacturer: _____

Model No: _____

8. AUDIBLE VISUAL ALERTING DEVICES WP - CEILING MOUNTED (ALARM SOUNDERS / STROBE)

Manufacturer: _____

Model No: _____

9. AUDIBLE VISUAL ALERTING DEVICES - WALL MOUNTED (ALARM SOUNDERS / STROBE)

Manufacturer: _____

Model No: _____

10. AUDIBLE VISUAL ALERTING DEVICES WP – WALL MOUNTED (ALARM SOUNDERS / STROBE)

Manufacturer: _____

Model No: _____

11. MANUAL CALL POINTS

Manufacturer: _____

Model No: _____

FPANZ Listing No: _____

12. MANUAL CALL POINTS (WP)

Manufacturer: _____

Model No: _____

FPANZ Listing No: _____

NAME OF TENDERER: _____

SIGNATURE: _____ **DATE:** _____

APPENDIX III SCHEDULE OF TECHNICAL DATA (To be completed and submitted with Tender)

PRINCIPAL: THE PACIFIC COMMUNITY
PROJECT NAME: SPC NABUA FIRE ALARM SYSTEM
SPECIFICATION: FIRE PROTECTION SERVICES

SHEET 4 OF 4 SHEETS
PROJECT NO.: 7999.2
DATE: JUNE 2024

13. WIRELESS TRANSMITTER

Manufacturer:
Model No:

14. ANTENNA

Manufacturer:
Model No:

15. FIRE ALARM CABLING

Manufacturer:
Model No:

16. FIRE ALARM CABLING CONDUITS (WITH DRAW WIRES)

Manufacturer:
Model No:

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX IV SCHEDULE OF RATES (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 1 OF 2 SHEETS
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

The following Schedule of Rates shall be used as a basis to value variations (either additions or deletions) and progress claims for this Contract. Rates shall include all overheads (including on and off-site supervisory staff, allowance etc.) profit and VAT. Rates for equipment and materials are that delivered to site, without installation (Unless otherwise stated).

ITEM	DESCRIPTION	UNIT	PRICE (VEP)
1.	Licensed Technician	Per hour	\$
2.	Technician	Per hour	\$
3.	Unskilled Labour	Per hour	\$
4.	Fire Indicating Unit	Per unit	\$
5.	Mimic Panel	Per unit	\$
6.	ASE Unit	Per unit	\$
7.	Wireless Transmitter	Per unit	\$
8.	Wireless Antenna	Per unit	\$
9.	Automatic Heat Detector	Per unit	\$
10.	Automatic In-Ceiling Heat Detector	Per unit	\$
11.	Automatic Smoke Detector	Per unit	\$
12.	Audible Alerting Device (Alarm Speaker) Ceiling mounted	Per unit	\$
13.	Audible Alerting Device (Alarm Speaker) Wall mounted	Per unit	\$
14.	Visual Alerting Device (Strobe) Ceiling mounted	Per unit	\$
15.	Visual Alerting Device (Strobe) Wall mounted	Per unit	\$
16.	Audible Visual Alerting Device (Strobe and Alarm Sounder) Ceiling mounted	Per unit	\$
17.	Audible Visual Alerting Device (Strobe and Alarm Sounder) Wall mounted	Per unit	\$
18.	Manual Call Point	Per unit	\$
19.	Manual Call Point WP	Per unit	\$
20.	Fire Alarm Cabling		
	Sizes: 1.0mm	Per meter	\$
	Sizes: 1.5mm	Per meter	\$
	Sizes: 2.5mm	Per meter	\$
21.	Fire Alarm Cabling Conduits (With Draw Wires)		

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX IV SCHEDULE OF RATES (To be completed and submitted with Tender)

PRINCIPAL: THE PACIFIC COMMUNITY
PROJECT NAME: SPC NABUA FIRE ALARM SYSTEM
SPECIFICATION: FIRE PROTECTION SERVICES

SHEET 2 OF 2 SHEETS
PROJECT NO.: 7999.2
DATE: JUNE 2024

ITEM	DESCRIPTION	UNIT	PRICE (VEP)
	Sizes: 25mm	Per meter	\$
	Sizes: 50mm	Per meter	\$
22.	On Cost Percentage Mark-Ups		
	a. Labour		%
	b. Material		%
	c. Plant		%

NAME OF TENDERER:

SIGNATURE: **DATE:**

APPENDIX V TENDER CHECKLIST (To be completed and submitted with Tender)

PRINCIPAL:	THE PACIFIC COMMUNITY	SHEET 1 OF 1 SHEET
PROJECT NAME:	SPC NABUA FIRE ALARM SYSTEM	PROJECT NO.: 7999.2
SPECIFICATION:	FIRE PROTECTION SERVICES	DATE: JUNE 2024

The following Tender Checklist shall be used to verify all required information when submitting the tender price.

ITEM	DESCRIPTION	YES	NO
1.	COMPLETELY FILLED APPENDIX I - TENDER FORM		
2.	COMPLETELY FILLED APPENDIX II - SUMMARY OF TENDER		
3.	COMPLETELY FILLED APPENDIX III - SCHEDULE OF TECHNICAL DATA		
4.	COMPLETELY FILLED APPENDIX IV - SCHEDULE OF RATES		
5.	COMPLETELY FILLED APPENDIX V - TENDER CHECK LIST		
6.	TIME OF COMPLETION OF THE PROJECT IN CALENDAR WEEKS PROVIDED		
7.	TENDER VALIDITY FOR 90 DAYS		
8.	COST BREAKDOWN TO BE VAT EXCLUSIVE PRICE (VEP) AND FINAL COST IN VAT INCLUSIVE PRICE (VIP) FJD		
9.	PROVIDE PRODUCT DATA SHEETS		
10.	WORKING HOURS FOR THIS PROJECT PROVIDED		
11.	WARRANTY STATED		
12.	PAYMENT TERMS ON A PROGRESS BASIS ALLOWED FOR		
13.	DEPOSIT REQUIREMENTS – AGREE THAT THE OWNER/CLIENT WILL NOT BE CHARGED MORE THAN 20% OF THE CONTRACT SUM FOR ANY DEPOSIT		
14.	ACKNOWLEDGE NOTICE TO TENDERERS (NTT) PROVIDED (IF APPLICABLE)		

NAME OF TENDERER:

SIGNATURE: DATE: