# INFRASTRUCTURE ASSESSMENT AUDIT FOR SUVA – NAUSORI URBAN SCHOOLS

## HOLY TRINITY ANGLICAN SCHOOL (REG 2332)

## SUMMARY REPORT

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## 1) INSPECTION SUMMARY

| School Inspection Summary | |
|---|---|
| **School name:** | HOLY TRINITY ANGLICAN SCHOOL |
| **Overall condition state:** | FAIR |
| **Key recommendations:** | |
| - Overcrowding – 15 new classrooms required based on FNBC standards<br>- WASH – 6 new toilet cubicles required for females and 5 for males / major maintenance of ablution blocks required<br>- Accessibility –All buildings require accessibility ramps, accessible doorways<br>- Disaster resilience – Windows to include cyclone shutters and roof cladding fastened with Cyclone roofing screws. | |
| **Comments:** | |
| Major defects were noted as follows:<br>• Roof cladding and screws are corroded.<br>• Steel column bases and bolts at B1 are rusted.<br>• There are no functional taps on the hand basins in both the male and female toilets.<br>• Timber-framed buildings (B2 and B3) do not meet FNBC standards.<br>• Timber flooring in B2 and B3 has rusted steel fixtures.<br>• Gutters at B4 are damaged.<br>• Paint on the hand railings is peeling off.<br>• Toilet cubicle doors do not lock properly.<br>• The concrete partition wall in the male toilet at B1 is cracked with exposed rebars. | |

| Aerial view of school | General view of school |
|---|---|
|  |  <br>  <br>  |

| | | | | | | |
|---|---|---|---|---|---|---|
| **School type:** | **Primary** | ✓ | **Secondary** | | **Year levels** | 1,2,3,4,5,6,7 and 8 |
| **School address:** | 83 McGregor ROAD, SUVA | | | | | |

| **School enrolment and staff figures** | **No. of Students (Male)** | **No. of Students (Female)** | **No. of Students with Disability** | **No. of Teachers (Male)** | **No. of Teachers (Female)** |
|---|---|---|---|---|---|
| | 200 | 202 | 0 | 3 | 8 |

| | | | | |
|---|---|---|---|---|
| **School building arrangement** | TOTAL NUMBER OF BUILDINGS: 4<br>**B1** – 1 STOREY / **B2**– 1 STORY / **B3** – 1 STOREY<br>**B4** – 3 STOREYS | | | |
| **Local government area:** | REWA STREET, SAMABULA | | | |
| **Date of inspection:** | 10TH JUNE, 2024 | | | |
| **Inspection team:** | DONNIS KAINAMOLI (DK)<br>MERELITA MAUITOGA (MM)<br>ERONI AISAKE (EA)<br>ANISH LAL (AL) | | | |
| **Data collection methods** | Visual inspection | ✓ | Onsite measurement | ✓ |
| | Interviews with school staff | ✓ | Drone / aerial imagery | ✓ |
| | Survey form | ✓ | Desktop research | ✓ |
| | Other: | | | |
| **Assumptions:** | ROOF MEMBERS FOR B1 – B3 WERE ASSUMED TO BE TIMBER AS IT WAS CONCEALED UPON INSPECTION. | | | |
| **Limitations:** | UNAVAILABILITY OF ALL SCHOOL DOCUMENTS SUCH AS BOUNDARY AREA.<br>ROOF MEMBERS COULD NOT BE ASSESSED DUE TO NO MANHOLE. | | | |

## 2) ASSESSMENT OF OVERCROWDING

An assessment for overcrowding was undertaken based on FNBC standards and 2024 enrolment data. The table below summarises the data collected through visual inspection and interrogation of enrolment data and compares this against the FNBC standard student to classroom size ratio of 2 $m^2$ per student.

The results of the assessment are based on the recommended sizing (1.5$m^2$), according to 2024 data, an additional 1 classroom is required across each year levels 1 to 8 except year 5 for Holy Trinity Anglican School.

| Year | Stream | Number of students | Current number of classrooms | Number of extra classrooms required based on FNBC on 2024 data (per stream) |
|---|---|---|---|---|
| 1 | 101 | 46 | 1 | 1 |
| | 102 | 42 | 1 | |
| | 103 | 35 | 1 | |
| 2 | 201 | 43 | 1 | 1 |
| | 202 | 35 | 1 | |
| 3 | 301 | 44 | 1 | 1 |
| | 302 | 49 | 1 | |
| 4 | 401 | 54 | 1 | 1 |
| | 402 | 52 | 1 | |
| 5 | 501 | 39 | 1 | 0 |
| | 502 | 42 | 1 | |
| | 503 | 30 | 1 | |
| 6 | 601 | 53 | 1 | 1 |
| | 602 | 52 | 1 | |
| 7 | 701 | 56 | 1 | 1 |
| | 702 | 57 | 1 | |
| 8 | 801 | 57 | 1 | 1 |

| | | | | |
|---|---|---|---|---|
| | 802 | 52 | 1 | |

## 3) EXISTING INFRASTRUCTURE CONDITIONS

Given the outlined procedure, the following observations were made:

| Block Code | Length (m) | Width (m) | Height (m) | No. of Levels | Type | Room List |
|---|---|---|---|---|---|---|
| B1 | 37.5 | 6.7 | 2.9 | 1 | Concrete and Steel with cladding on timber framed roof structure | **Ground Floor (GF):** Student Male and Female Toilets, School Office, 4x Classrooms. |
| B2 | 6.74 | 4.75 | 2.4 | 1 | Timber with cladding on timber framed roof structure | **Ground Floor (GF):** 1x Classroom and the Sick Bay. |
| B3 | 9.40 | 6.50 | 2.80 | 1 | Timber with cladding on timber framed roof structure | **Ground Floor (GF):** 1x Classroom. |
| B4 | 21.0 | 6.20 | 3.00 | 3 | Concrete with cladding on timber framed roof structure | **Ground Floor 1 (GF1):** Basement. **Ground Floor (GF):** 6x Classrooms and Student Female Toilet. **First Floor (FF):** 6x Classrooms and Student Male Toilet. |

**NOTE: Toilets mentioned refers to a set of cubicles.**

**Summary Table for Classrooms**

This table provides a quick overview of the assessment findings, helping to identify areas that need immediate attention and those that are in good condition. The following criteria was used:

- Good - No additional works / intervention required
- Fair - Remedial works required
- Poor - Demolition and replace with new

| Assessment Area | Criteria | Conditions |
|---|---|---|
| Structural Integrity | Walls, ceiling, floor, foundation and roofs | Fair |
| General upkeep | Exterior, interior, furniture and fixtures | Fair |
| Safety compliance | Fire safety, electrical safety, | Fair |
| Disability | Accessibility | Poor |
| Ventilation and lighting | Ventilations, Natural Lighting, Artificial Lighting. | Fair |

**Observations on Structural Elements**

- **Walls and Ceiling** – The concrete walls were satisfactory, however, for the timber buildings, the timber frame was concealed upon inspection. Ceiling boards were satisfactory.
- **Floors and Foundation** – Buildings with concrete flooring were satisfactory, however, tiles were not non-slip that could be hazard when wet.
- **Roofs** – Roof for B1 – B3 could not be accessed, however, B4 consisted of timber trusses that were satisfactory. Roof cladding were rusted as well as its steel fixtures. Gutters and Fascia Boards were also damaged.
- **Windows** – some missing window louvre blades were recorded at various buildings.
- **Earthquake –** Not Applicable

- **Cyclone** – roof members for B4 were satisfactory, however, for other buildings, it is required for thorough inspection. Shutters are to be provided for all openings such as windows.

**Existing Conditions of Building and Maintenance**

- **Exterior –** the building is in good condition for structures that are concrete. For timber structures, it could be said that the building framing were not as per the FNBC.
- **Interior –** the building is in fair condition as the walls, beams, columns windows, doors and ceiling are satisfactory. The classrooms were found to be clean with proper waste disposal, however, structure is inadequate.
- **Furniture and Fixtures –** the classrooms and offices have adequate furniture and fixtures that do not impede on the function of the buildings.

**Safety and compliance with standards**

- **Fire Safety –** the school does not possess adequate fire safety mechanisms. Present fire Extinguishers need maintenance and commissioning. No fire hydrants and alarm systems were found. The school has Emergency exit plan and designated assembly area provisioned.
- **Electrical Safety –** The school is connected to EFL Grid. The school has surface wiring with no fault outlets. Not all electrical systems are measured to be safe. The EFL Metre Box to be relocated as it is accessible and at children's reach.
- **Accessibility –** the school does not meet disability accessibility standards. The school does not have facilities such as ramps, handrails and accessible restrooms.

**Lighting and Ventilation**

- **Ventilation –** HVAC system (Heating, Ventilation, and Air Conditioning) is centrally located in the school, in particular, offices and Computer Labs.
- **Natural Lighting –** there are adequate number of windows installed in classrooms, that are regularly cleaned to allow natural light to enter into classrooms unobstructed.
- **Artificial Lighting –** it was found that not all light fixtures are working and provides adequate illumination.

## 4) WATER SANITATION HYGIENE (WASH) FACILITIES

**Condition of Toilets and Washrooms**

Holy Trinity Anglican School has 2 blocks with toilet facilities. The facilities have some minor defects such as:

- Missing toilet seat pans.
- Damaged concrete partition walls for the Toilets at B1
- Consists of slippery tiles which could be a hazard.
- No hand basins in the toilets at B1.
- Damaged cubicle door locks and doors.
- The Male and Female student toilets at B1 are in an unsafe and secluded location, hidden from the main areas of the school.

The WASH facilities were unclean and lacked maintenance. The Male and Female toilet cubicles do not comply with the FNBC for toilet numbers. The Table below presents wash facilities data.

| | No. of Cubicles | | Toilet Ratio (1 cubicle: students) | | Compliance of Student to Toilet Cubicle Ratio (FNBC). | |
|---|---|---|---|---|---|---|
| **TOILET CUBICLE(S)** | Female | Male | Female | Male | Female Requirement (1:20) Extra Toilets? | Male Requirement (1:30) Extra Toilets? |
| | 16 | 8 | 28 | 49 | 6 | 5 |

| | No. of Hand Basins | | Handbasin Ratio (1 cubicle: students) | | Compliance of Student to Toilet Cubicle Ratio (FNBC). | |
|---|---|---|---|---|---|---|
| **HAND BASINS IN THE TOILET** | Female | Male | Female | Male | Female Requirement (1:60) Extra Handbasins? | Male Requirement (1:60) Extra Handbasins? |
| | 3 | 3 | 149 | 130 | 4 | 3 |

| **GENERAL OUTDOOR TAPS** | No. of General Outdoor Taps | Outdoor Taps Ratio 1: | Compliance of Student to Outdoor Taps Ratio Requirement (1:60) (FNBC) Does it require additional hand basins? |
|---|---|---|---|
| | 23 | 36 | 0 |

## 5) DISASTER RESILIENCE ASSESSMENT

This infrastructure condition assessment aims to evaluate the architectural, structural, and non-structural features of the school to ensure it is resilient to natural disasters and provides a safe learning environment for students. The assessment also identifies areas for improvement and highlights the measures already in place to enhance overall resilience. FNBC 1990 and basic loading, wind and seismic AS/NZS codes typical details were utilized during and after inspection.

**Architectural**

- Cyclonic Roof: The school's cyclonic roof at B4 is specifically designed to withstand strong winds, but the same level of protection does not apply to buildings B1-B3. These buildings require new roof cladding and roofing screws for improved resilience.
- Central Location: The school is centrally located, allowing easy access to main streets and relief services.

**Structural**

- Material Quality: The school buildings are constructed using concrete, steel and timber members and do not follow the engineering design principles for the timber structures.
- Structural Integrity: The timber buildings may not be able to withstand or recover from natural disasters such as earthquakes, Category 3 cyclones, and floods. In contrast, the concrete structure is more likely to withstand and recover from these events.

**Non-Structural**

- Disaster Preparedness: Implementation of disaster evacuation plans, emergency exit routes, and safety protocols.
- Fire Safety: Not equipped with a fire alarm system, but strategically placed fire extinguishers and fire blanket to mitigate fire-related risks at required areas. The existing fire extinguishers need to be need maintenance and commissioned.

## 6) ACCESSIBILITY ASSESSMENT

1. **Compliance with Accessibility Standards:**
   - Educational facilities did not meet accessibility standards, such as the Fiji Disable People Federation Access Audit Tool 1.0. This toolkit covers aspects like ramps, door widths, signage, and accessible routes, also the noncompliance extends beyond physical structures to digital accessibility.

2. **Facilities for Students with Disabilities:**
   - Classrooms did not have adjustable seating arrangements, clear sightlines, and adequate space for mobility aids also including accessible desks and adjustable podiums.
   - Laboratories are not able to accommodate students with various disabilities with the absence of adjustable lab benches, accessible sinks, and clear pathways.
   - Libraries require accessible shelving, reading stations, and assistive technology (such as screen readers) to enhance library usability.
   - Restrooms (WASH facilities) were not wheelchair-accessible or have grab bars and sinks at an appropriate height.
   - Common Areas: the cafeterias and outdoor spaces were not designed inclusively. Benches, seating areas, and a few pathways are not able to accommodate everyone.

3. **Access to Classrooms, WASH Facilities, and Common Areas:**
   - Classrooms do not have wide doorways and ramps to ensure access to classrooms. Additionally, acoustics are not considered for students with hearing impairments.
   - WASH Facilities do not have accessible restrooms with proper signage and a clear pathway to the wash facilities.
   - Common Areas like corridors, courtyards, and gathering spaces are not barrier-free and are without proper lighting and contrasting floor materials to aid navigation.

## SUMMARY OF FINDINGS

The following summarizes the individual characteristics assessed during the Suva-Nausori school audit for Holy Trinity Anglican School:

| Categories of Assessment | Existing Condition / State | Required as per Standards | Gaps Observed |
|---|---|---|---|
| Existing Infrastructure Condition | - Structural Integrity – The school's structural integrity is fair.<br>- General upkeep – Maintenance is required<br>- Safety compliance- Handrails were provided for the double storey structure only. The toilet blocks at B1 are unsafe due to its hidden location, isolated from the rest of the school.<br>- Disability- no consideration when constructed.<br>- Ventilation and lighting – damaged and missing lights and louvres at some sections of buildings. | - Structural Integrity – the timber frame buildings require to be in accordance with the FNBC 1990 and AS/NZSV1170.2:2021.<br>- General upkeep –routine check-up as per MOE policies with major defects requiring immediate intervention.<br>- Safety compliance- handrails, extra doors and signage where necessary.<br>- Disability- to comply with FDPF Disability audit tool<br>- Ventilation and lighting – adequate windows and doors required as per FNBC 1990. | - Structural Integrity – The timber structures are to follow FNBC 1990 and also with AS/NZS1170.2:2021.<br>- General upkeep –requires immediate intervention to major defects.<br>- Safety compliance- safety handrails were present. FDPF requires signage which was absent from the school. Relocating the male toilets is necessary, particularly because the entrance is in an isolated location.(Rear of the Building).<br>- Disability- not fully compliant with FDPF Disability audit tool<br>- Ventilation and lighting – limitations in the count of windows (missing louvres) and lightings compared to required FNBC. |
| Assessment of Overcrowding | - The classrooms are accommodating an average of 838 roll/18classrooms of 47 students in average. | - FNBC 1990 requires classroom occupancy to have 2m$^2$ per person. Based on that, the required roll per classroom was calculated. | - 17/18 the classrooms were accommodating more roll than required.<br>- Given the recommended sizing (1.5m$^2$), about 7 extra classrooms are required to address overcrowding in school. |
| Water Sanitation Hygiene (WASH) facilities | Toilets (students: Cubicle)<br>- Male – 49:1 (5 cubicles)<br>- Female – 28:1 (6 cubicles)<br><br>Taps (students: tap)<br>- Students – 36:1 (36 taps)<br><br>- Menstrual Hygiene was present in every female washroom block<br><br>-There were no handbasins in the toilets at B1. | Toilets Ratio (students: Cubicle)<br>- Male – 30:1 (22 cubicles)<br>- Female – 20:1 (13 cubicles)<br>Taps Ratio (students: tap)<br>- Students – 60:1 (14 taps)<br>**Please note: Above number of cubicles and taps are respective of 2024 enrolment numbers. Due to variation of ratio with student population in FNBC, the initial ratio is referred ONLY for reporting.**<br>- Menstrual Hygiene to be present in every female washroom block | - The Female and Male toilet ratios were not in par with the FNBC 1990 ratio. This may hinder later on with growing population.<br>- The female and male student toilet ratio exceeded the FNBC requirement indicating not enough toilet cubicles are in the school. Given the roll, a total of 6 extra cubicles is required for the females and 5 for the males<br>- The outdoor tap ratio was below the FNBC requirement indicating that no additional taps are required in the school.<br>- Handbasins are required in the toilets at B1 as the existing handbasins are not functioning. |
| Disaster Resilience Assessment | -Existing roof for B4 is sufficient and members and steel fixtures are not damaged or consists of any defects.<br>- B1-B3 roofs were concealed.<br>- Roof claddings and fixtures consist of rust.<br>- Steel base columns are rusted. | Fiji Building Code 1990. Requirement is that roof cladding be free of rust and fastened securely with type 17 cyclonic screws with neoprene washers. Additionally, cyclone brackets to be fixed on every window frame. | - Rusting of cladding contradicts to the cyclone certification requirement requiring replacement.<br>- Absence of cyclone brackets are not acceptable as per the cyclone certification.<br>- Existing roof and timber wall members require thorough investigation and analysis. |

| | | | |
|---|---|---|---|
| | - Timber framing may not be according to the FNBC. | | |
| Accessibility Assessment | -Handrails for double story 0.95-1m high.<br>- Classrooms and labs have typical door size of 0.60 – 0.75m width.<br>- Walkway – 1.8m – 3.1m wide. | **The following are requirements from Fiji Disabled People's Federation Access Audit Tool**<br>- Ramps – required wherever elevation with minimum 1:8 maximum 1:20<br>- Walkway clearance - minimum 1.8m.<br>- Handrails to be 0.76m to 0.9m.<br>- Doors and Door size – minimum 0.9m.<br>- Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1) | The following facilities are missing.<br>- Ramps and elevators for vertical access<br>- Wide doorways and clear pathways<br>- Proper signage<br>- Wheelchair-accessible restrooms<br>- Grab bars<br>- Proper signage<br>- Inclusive seating areas and pathways<br>- Proper lighting<br>- Contrasting floor materials |

## 7) RECOMMENDATIONS

- In order to comply with the FNBC, the school will require the following:
  - Classrooms: An additional 15 new classrooms for students in years 1 to 8. This expansion aims to accommodate the growing number of students and provide them with an enhanced learning environment.
- WASH Facilities: An additional 6 cubicles for the females and 5 cubicles for the males are required, equipped with up-to-date WASH facilities (handbasins), catering particularly to the needs of both male and female students. These new facilities are essential to ensure hygiene and comfort.

Weekly routine maintenance work and daily clean up directive from MOE is also a critical component of the plan which includes:

- Removing and replacing existing roof cladding and screws with new.
- Wire brush and recoat column base and bolts. Should it be extensively corroded, it is required to remove and replace the existing base and bolts.
- Washbasins in the toilets at B1 are to be fixed.
- Should the timber flooring and wall frame consist of damaged timber and corroded steel fixtures, it is recommended to remove and replace with new.
- Remove and replace damaged gutters and fascia boards.
- Remove existing paint and recoat with new on the handrails.
- Fix all damaged cubicle door locks and doors that cannot be closed.
- Patch up and fix damaged partition cubicle walls in all the toilets.
- Remove and replace damaged toilet pans.

These maintenance activities are designed to address existing wear and tear and to ensure that the school buildings remain in good condition. It is recommended that maintenance be carried out at regular intervals, ideally every 12 months, to prevent deterioration and to maintain a safe and functional environment.

- Accessibility: Prioritize building accessibility features, such as ramps and handrails, to ensure compliance with standards. These features are vital for providing all students, including those with disabilities, with equal access to the school's facilities.

## 8) COMPLIANCE

Upon inspecting Holy Trinity Anglican School, the following conclusions were drawn:

- **MEHA Compliance:** Compliant.
- **WASH Facilities:** The school does not require additional outdoor taps for general use. However, additional 6 female toilet cubicles and 5 male toilet cubicles are required to comply with FNBC 1990. Additionally, new hand basins are needed in the toilets at B1.

- **Land Availability:** There is sufficient land for additional building as the only ground available is the school's playground.
- **NFA Compliance:** Compliant with NFA basic guidelines but does not have NFA certification.
- **WAF Compliance:** Adequate water supply, with backup system for water cuts such as water tanks only for the ablution usage and not for consumption.
- **FNBC Compliance:** The school is not compliant with the occupancy and structural requirements as well as the category 5 cyclone standards based on the entire structure, windows and roofing requirements.
- **NDMO Compliance**: Targeting NFA and FNBC compliance for safety.
- **EFL Compliance:** Assumed to be compliant with EFL standards.
- **DISABILITY Accessibility:** non-compliant

## 9) APPENDIX

Appendix A – Holy Trinity Anglican School Site Inspection Report

Appendix B – Excel Scoring Sheet

Appendix C – Land Available for Expansion

# Appendix A - Site Inspection Report

# INFRASTRUCTURE ASSESSMENT AUDIT FOR SUVA – NAUSORI URBAN SCHOOL

## HOLY TRINITY ANGLICAN SCHOOL (REGISTRATION NUMBER: 2332)

## SITE INSPECTION REPORT

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## List of Abbreviations

| | |
|---|---|
| NRWM | NRW Macallan (Fiji) Pte Ltd |
| MOE | Ministry of Education |
| TT | Tetra Tech International Development Pty Ltd |
| DFAT | Department of Foreign Affairs and Trade (Australia) |
| FEG | Free Education Grant |
| OHS | Occupational Health and |
| NFA | National Fire Authority |
| WAF | Water Authority of Fiji |
| FNBC | Fiji National Building Code |
| NDMO | National Disaster Management Office |
| EFL | Energy Fiji Limited |
| CGI | Corrugated Roofing Iron |

## 1) SCHOOL BACKGROUND

Fiji's first Anglican Church in Levuka was established in 1870, under the administration of the Diocese of Polynesia, which was officially formed with the consecration of its first Bishop in 1908. The cathedral in Suva was constructed in multiple phases between the 1950s and 1970s.

Holy Trinity Anglican School, founded by the Holy Trinity Anglican Church under the Diocese of Polynesia, was established in 1963. The school is located approximately 1 km from Suva's city center and operates under the motto "Unity in Holy Trinity, God First, Self-Last" and the vision of "Holistic Excellence." It has grown significantly, now enrolling more than 800 students. Holy Trinity Anglican School consists of a kindergarten that is the school's feeder kindergarten for Year 1. The kindergarten is located at the Cathedral Anglican Church in Suva.

| | |
|---|---|
| **NAME OF SCHOOL** | **HOLY TRINITY ANGLICAN SCHOOL** |
| **SCHOOL REGISTRATION NUMBER** | 2332 |
| **SCHOOL LOCATION** | LOT 83 MCGREGOR ROAD, P.O. BOX 41 GPO, SUVA |
| **SCHOOL TYPE** | CO-EDUCATION PRIMARY SCHOOL |
| **FEEDER SCHOOL** | HOLY TRINITY ANGLICAN KINDERGARTEN |
| **DATE OF INSPECTION** | 10th JUNE 2024 |
| **MILESTONE** | 1 (17 / 86 SCHOOLS) |
| **INSPECTED BY (TEAM 3)** | MERELITA MAUITOGA (MM) |
| | ERONI AISAKE (EA) |
| | DONNIS KAINAMOLI (DK) |
| | ANISH LAL (AL) |

**Table 1: SCHOOL DETAILS**

**Table 2: SCHOOL ENROLMENT FIGURES**

| Year of Enrolment | Number of Students | | | Students with Disability | Number of Teachers | | | Comments |
|---|---|---|---|---|---|---|---|---|
| | Male | Female | Total | | Male | Female | Total | |
| 2024 | 390 | 448 | 838 | 4 | 6 | 12 | 18 | • 18 classrooms.<br>• Student to stream 838 roll/10 = 47:1 for 2024 school calendar.<br>• Total Taps count = 23<br>• WASH Ratio (Toilets)<br>- Total boy's toilet cubicle count: 8<br>- Male = 49:1 > 30:1<br>- Total girl's toilet cubicle count =16<br>- Female = 28:1 > 20:1<br>• EVACUATION CENTRE = No. |
| 2023 | 393 | 443 | 836 | 0 | - | - | 20 | |
| 2022 | 420 | 462 | 882 | 0 | - | - | 20 | |
| 2021 | 384 | 442 | 826 | 0 | - | - | 20 | |
| 2020 | 384 | 442 | 862 | 0 | - | - | 20 | |
| 2019 | - | - | - | - | - | - | - | |

## Table 3: 2024 CLASSROOM ENROLLMENT DETAILS_OVERCROWDING IS BASED ON NBC.

| GRADE | CLASS NUMBER | TOTAL STUDENT ROLL | NUMBER OF TEACHERS | DIMENSIONS (m) | | ACCESS WAY COUNT | | OVERCROWDING |
|---|---|---|---|---|---|---|---|---|
| | | | | LENGTH | WIDTH | NO. OF DOORS | NO. OF WINDOWS | |
| **1** | 101 | 46 | 1 | 7.1 | 6.7 | 1 | 19 | ☒YES ☐NO |
| **1** | 102 | 42 | 1 | 7.1 | 6.7 | 1 | 19 | ☒YES ☐NO |
| **1** | 103 | 35 | 1 | 6.74 | 4.75 | 2 | 12 | ☒YES ☐NO |
| **2** | 201 | 43 | 1 | 7.1 | 6.7 | 1 | 19 | ☒YES ☐NO |
| **2** | 202 | 35 | 1 | 7.1 | 6.7 | 1 | 19 | ☒YES ☐NO |
| **3** | 301 | 44 | 1 | 7.6 | 7.6 | 2 | 18 | ☒YES ☐NO |
| **3** | 302 | 49 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **4** | 401 | 54 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **4** | 402 | 52 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **5** | 501 | 39 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **5** | 502 | 42 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **5** | 503 | 30 | 1 | 9.4 | 6.5 | 2 | 14 | ☐YES ☒NO |
| **6** | 601 | 53 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **6** | 602 | 52 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **7** | 701 | 56 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **7** | 702 | 57 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **8** | 801 | 57 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |
| **8** | 802 | 52 | 1 | 7.6 | 7.6 | 1 | 19 | ☒YES ☐NO |

## 2) SCHOOL SITE PLAN (DRONE IMAGERY OF SCHOOL)

AERIAL VIEW


LEGEND

| | | | |
|---|---|---|---|
| B# | BUIDLINGS | DR# | PONDS/CREEKS/DRAINAGE |
| PG# | PLAYGROUND | H# | HOSTELS |
| WC# | TOILETS | ST# | STAFF QUARTERS |
| T# | TAP / WASH AREA | F# | DINING/FOOD AREA |
| WS# | WATER STORAGE FACILITY | EFL# | EFL POSTS/ JUNCTION BOX |
| SEP# | SEPTIC TANK | CP | CAR PARK |
| LA# | LAND AVAILABILITY | WW# | WALKWAY |

## 3) VISUAL INSPECTION RESULTS

### a. EXISTING BUILDING INFORMATION

**Table 4: EXISTING BUILDING INFORMATION FOR BUILDING B1.**

| | | | | | | |
|---|---|---|---|---|---|---|
| **Building Index** | **B1 : GF:** Student Male and Female Toilets, School Office, 4x Classrooms | | | | **Year built: TBC** | |
| **Type:** | **SINGLE STORY STEEL PORTAL FRAME STRUTCURE WITH CONCRETE WALLS.** | | | | **No. of Levels: 1** | |
| **Dimensions** | **Length (m): 37.5** | **Width (m): 6.7** (excluding walkways) | | | **Height (m): 2.9M (Eaves Height)** | |
| Existing State of Building | | | | | | |
| **REF. No.** | **Building Component** | **Good[1]** | **Fair[2]** | **Poor[3]** | **Structure Type [4]** | **Comments** |
| 1 | Roof Lining | | ✓ | | Steel | CGI consisted of rust along with its roof screws. |
| 2 | Roof Structure | Could not be accessed onsite | | | - | Ceiling was raked; therefore, purlins could not be inspected. However, the rooms consisted of steel portal frame. |
| 3 | Walls | ✓ | | | Concrete | There are no visible cracks on the 200mm thick wall. Visual inspection shows walls in good condition. |
| 4 | Columns | ✓ | | | Concrete | Steel Columns consisted rust at the base with 2-bolts per column hold down which could be insufficient. |
| 5 | Beams | N/A | | | | No beams were inspected. |
| 6 | Floor | ✓ | | | Concrete | The flooring was concrete with tiles that were not non-slip, this could be hazard when it is wet. |
| 7 | Handrails | N/A | | | | No handrails as the classrooms were on GL. |
| 8 | Walkway(s) | | ✓ | | Concrete | Concrete walkway is approximately 2.4m wide. Concrete Slab consisted of hairline cracks. Timber roof frame have inadequate connections and undersize. |
| 9 | Services – water supply | ✓ | | | | A 1x5300L Water Tank was placed at the front of Building 1 beside footpath gate entrance on a concrete plinth of approx. height of 550mm above ground level. The pressure at the toilets is poor. Each classroom has a water tap outside with good pressure. |
| 10 | Available taps for general use | | ✓ | | | 4 taps — Student – tap ratio = 58:1 (Used by B1 – B3) |
| 11 | Services – electricity | ✓ | | | | Each Classroom in B1 consists of 6 lights, 2 ceiling fans, 1 intercom and 1 TV. These are all working. Each classroom also consists of a storage room consisting of 1 bulb light which is not working. |

[1] Good - No additional works / intervention required
[2] Fair - Remedial works required – min CAT 3 standard
[3] Poor - Demolition and replace with new - min CAT 4 standard
[4] Type of structure - Timber/concrete/steel

| | | | | | | |
|---|---|---|---|---|---|---|
| 12 | Services – communication (internet) | | ✓ | | | The classroom consists of 1 intercom per room and internet is not accessible to all the rooms apart from the office area. |
| 13 | Drainage | ✓ | | | | Drainage is good. |

***Comments***

- **Visual defects**

  Apart from the above-mentioned defects in the table, the following were also observed:
  - Ventilation is adequate in all rooms.
  - Missing louvre blades.
  - There is only 1 way entrance per room.
  - Fire extinguishers present in each room that is outdated.
  - There is a fire reel hose at the end of the building. No fire hydrant in the school.
  - There is no car park allocated within the school premises. All cars are parked outside along the road.
  - The canteen present in Building 1 consists of a fire extinguisher and cooling blanket.

## Table 5: EXISTING BUILDING INFORMATION FOR BUILDING B2.

| **Building Index** | **B2 : Ground Floor (GF):** 1x Classroom and the Sick Bay. | **Year built: TBC** |
|---|---|---|
| **Type:** | **Single Story Timber Building** | **No. of Levels: 1** |
| **Dimensions** | **Length (m): 6.74** | **Width (m): 4.75** (excluding walkways) | **Height (m): 2.4** |

Existing State of Building

| REF. No. | Building Component | Good[5] | Fair[6] | Poor[7] | Structure Type [8] | Comments |
|---|---|---|---|---|---|---|
| 1 | Roof Lining | | ✓ | | Steel | CGI consisted of rust as well as the roof screws. |
| 2 | Roof Structure | Concealed Upon Inspection | | | | The gable roof was concealed upon inspection. |
| 3 | Walls | | ✓ | | Timber | The timber wall frame was concealed upon inspection. |
| 4 | Columns | N/A | | | | There were no columns in the structure. However, the walkway consisted of steel posts that were corroded. |
| 5 | Beams | Not Accessible. | | | Timber | Timber wall plates or beams could not be inspected. |
| 6 | Floor | | ✓ | | Timber | The flooring was timber with timber bearers and joists. Only a portion of the timber flooring was inspected, however the steel fixtures require attention as it was rusted upon inspection. |
| 7 | Handrails | No Handrails onsite. | | | Steel | The building is elevated with 2 stair flights approximately 600mm above ground and does not consist of hand railings. |
| 8 | Walkway(s) | ✓ | | | Concrete | The concrete walkway is approximately 3m wide. The concrete walkway consisted of a rough stony surface. |
| 9 | Services – water supply | No Taps provided in Building 2. | | | | No taps are provided. |
| 10 | Available taps for general use | No Taps in B2 – Refer to B1. | | | | 0 Taps / Student – tap ratio = N/A |
| 11 | Services – electricity | ✓ | | | | Building 2 consists of 2 lights and 2 ceiling fans. 1 TV and 1 Intercom |
| 12 | Services – communication (internet) | ✓ | | | | 1 intercom and 1 hailer. Internet is not provided in Building 2. |
| 13 | Drainage | ✓ | | | | Drainage is good. |

[5] Good - No additional works / intervention required
[6] Fair - Remedial works required – min CAT 3 standard
[7] Poor - Demolition and replace with new - min CAT 4 standard
[8] Type of structure - Timber/concrete/steel

***Comments***

- **Visual defects**

Apart from the above-mentioned defects in the table, the following were also observed:

- The sick bay is also included in the classroom with a bed provided.
- The ventilation was good in the building, however, there were missing louvre blades.
- There was a fire extinguisher present in the classroom but was outdated.
- There are gaps in the floor sheeting and damage to the window timber seal.

## Table 5: EXISTING BUILDING INFORMATION FOR BUILDING B3.

| | | | | | | |
|---|---|---|---|---|---|---|
| **Building Index** | **B3: Ground Floor (GF):** 1x Classroom. | | | | **Year built: TBC** | |
| **Type:** | **Single Timber Story Building** | | | | **No. of Levels: 2** | |
| **Dimensions** | **Length (m): 9.4** | **Width (m): 6.5** | | | **Height (m): 2.8** | |
| Existing State of Building | | | | | | |
| **REF. No.** | **Building Component** | **Good[9]** | **Fair[10]** | **Poor[11]** | **Structure Type [12]** | **Comments** |
| 1 | Roof Lining | | ✓ | | Steel | Roof CGI and screws consisted of rust. Damaged Fascia Board. |
| 2 | Roof Structure | Not Accessible onsite. | | | | Not Accessible. |
| 3 | Walls | | ✓ | | Concrete | The timber wall frame was concealed upon inspection. |
| 4 | Columns | No Columns in the Building. | | | Concrete | There were no columns in the structure. However, the walkway consisted of steel posts that were corroded. |
| 5 | Beams | Not accessible | | | Concrete | Timber wall plates or beams could not be inspected. |
| 6 | Floor | | ✓ | | Concrete | The flooring was timber with timber bearers and joists. Only a portion of the timber flooring was inspected, however the steel fixtures require attention as it was rusted upon inspection. |
| 7 | Handrails | No Handrails. | | | | No Handrails. The building is elevated with a 400mm thick concrete plinth provided at the entrance of the doors. |
| 8 | Walkway(s) | ✓ | | | Concrete. | The concrete walkway is approximately 3m wide. The concrete walkway consisted of a rough stony surface. |
| 9 | Services – water supply | No Taps in B3 – Refer to B1. | | | | No taps are provided. |
| 10 | Available taps for general use | | | | | 0 Taps / Student – tap ratio =N/A |
| 11 | Services – Electricity | ✓ | | | | 6 Lights with only 5 working as 1 tube light is missing. 2 ceiling fans and 2 wall fans. |
| 12 | Services – communication (internet) | | ✓ | | | 1 Intercom. No Internet provided in Building 3. |
| 13 | Drainage | ✓ | | | | Drainage is good. |

***Comments***

- **Visual defects**

Apart from the above-mentioned defects in the table, the following were also observed:

[9] Good - No additional works / intervention required
[10] Fair - Remedial works required – min CAT 3 standard
[11] Poor - Demolition and replace with new - min CAT 4 standard
[12] Type of structure - Timber/concrete/steel

- Behind the classroom is the handyman's storage room that use to be the old Library.
- There some louvre blades missing. However, ventilation is good.
- There are 2 doors of access into the room.
- There is a fire extinguisher present in the classroom which is outdated.
- Below the building is used for hardware storage.

## Table 6: EXISTING BUILDING INFORMATION FOR BUILDING B3.

| | | |
|---|---|---|
| **Building Index** | **B4: GL1:** Basement.<br>**Ground Floor (GF):** 6x Classrooms and Student Female Toilet.<br>**First Floor (FF):** 6x Classrooms and Student Male Toilet. | **Year built:** TBC |
| **Type:** | Triple Story Concrete Building. | **No. of Levels:3** |
| **Dimensions** | **Length (m): 56.4** | **Width (m): 12.99** | **Height (m): 7.5** |

Existing State of Building

| REF. No. | Building Component | Good[13] | Fair[14] | Poor[15] | Structure Type [16] | Comments |
|---|---|---|---|---|---|---|
| 1 | Roof Lining | | ✓ | | Steel | Roofing CGI consisted of defected paint with damaged gutters. Debris were noticed in the gutter which indicates irregular maintenance. |
| 2 | Roof Structure | Not Accessible onsite. | | | | The existing gable roof consisted of timber truss with webs nailed to the top and bottom chords along with the purlins strapped down the top chord. There were no defects to both the timber members and the steel fixtures. The insulation sheet was torn. |
| 3 | Walls | ✓ | | | Concrete | The concrete walls are satisfactory. |
| 4 | Columns | ✓ | | | Concrete | The concrete walls are satisfactory. |
| 5 | Beams | ✓ | | | Concrete | The concrete beams are satisfactory. |
| 6 | Floor | ✓ | | | Concrete | The concrete flooring was all concrete with tiles that were non-slip tiles. |
| 7 | Handrails | ✓ | | | Steel | The paint on the handrails has peeled off. The steel handrails on the Year 402 level are 1 meter high at ground level (GL).<br>Only the top floor has continuous handrails extending from one end of the building to the male toilets. Midway down the stairs, there is a handrail with a grill fence installed above it. |
| 8 | Walkway(s) | ✓ | | | Concrete. | The walk width at GL and FL IS approx. 1.8m wide |
| 9 | Services – water supply | | ✓ | | | The water pressure is generally good, though the male toilet on the top floor occasionally experiences low pressure. |

[13] Good - No additional works / intervention required
[14] Fair - Remedial works required – min CAT 3 standard
[15] Poor - Demolition and replace with new - min CAT 4 standard
[16] Type of structure - Timber/concrete/steel

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | Water services in this building supply the female student toilet, female staff toilet (Ground Level), male student toilet, male staff toilet (First Floor), and the wash basins outside the toilet facilities.<br><br>A water tank is located at Building 4, which stores rainwater, likely for handwashing and cleaning purposes. | |
| 10 | Available taps for general use | | | | | 17 Taps | Student – tap ratio = 36:1 (Used by B4 only). |
| 11 | Services – Electricity | ✓ | | | | Each room consists of 4 tube lights, and 2 ceiling fans which are all workable. | |
| 12 | Services – communication (internet) | | ✓ | | | Each room consists of an intercom. There is no internet access in Building 4. | |
| 13 | Drainage | ✓ | | | | Drainage is good. | |

***Comments***

- **Visual defects**

Apart from the above-mentioned defects in the table, the following were also observed:

- Some classrooms have fire extinguishers which are outdated.
- Fire hose is located at the toilet block on the FL.
- Each classroom consists of 1 door access which is approx. 850mm wide.
- There were missing louvre blades in the classrooms.

## b. EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS

**Table 7: EXISTING BUILDING AND TOILET BLOCK ACCESS _DISABILITY AUDIT.**

| | |
|---|---|
| **Building Index** | B1 – Refer to Table 4.<br>B2 – Refer to Table 5.<br>B3 – Refer to Table 6.<br>B4 – Refer to Table 7. |

| | | |
|---|---|---|
| **Type:** | Refer to Building Index. | **No. of Levels:**<br>Refer to Building Index |

| | | | |
|---|---|---|---|
| **Dimensions** | **Length (m):**<br>Refer to Building Index. | **Width (m):**<br>Refer to Building Index. | **Height (m): (Up to eaves)**<br>Refer to Building Index. |

**Existing State of Building**

| REF. No. | Building Component | Good[17] | Fair[18] | Poor[19] | Structure Type [20] | Dimensions (m) | Comments |
|---|---|---|---|---|---|---|---|
| 1 | Ramps | | | ✓ | | | Ramps are not provided within the school. |
| 2 | Walkway clearance space | ✓ | | | Concrete | Walkways are approx. 1.8m – 3.1m wide | Walkways are sufficient. |
| 3 | Handrails | | ✓ | | Steel | 950mm - 1m above floor level. | The height is adequate; however, defected paint was observed. |
| | Doors and Door Size (typical) | | ✓ | | Timber and/or Glazed Doors | Majority of doors were 700-850mm wide for general classrooms and rooms. Toilet Cubicles consisted of 800mm wide. | Doors that are lesser than 900mm wide is too narrow for wheelchairs users. Toilet Cubicles are non-compliant as cubicle doors are not suitable. |
| 4 | Stairway | | ✓ | | | Stairways are approximately 1m – 1.2m wide. | The stairways width is compliant however there are a lot of stairways with in the building. |
| 5 | | | | | | | |

[17] Good - No additional works / intervention required
[18] Fair - Remedial works required – min CAT 3 standard
[19] Poor - Demolition and replace with new - min CAT 4 standard
[20] Type of structure - Timber/concrete/steel

***Comments***

Building 1 (B1):

- The entrance is accessible from the driveway, with no step up to the walkway.
- Classrooms are non-compliant due to a 150mm step-up from the walkway, and the doorways (600-750mm wide) are too narrow for wheelchair users.
- The office entrance has similar accessibility issues, with a non-compliant counter height and limited space for wheelchair users.
- The blackboards are positioned at a height that may hinder wheelchair users from interacting with them.
- The male toilet is inaccessible due to limited space and a narrow entrance at the rear of the building.
- The female toilet is also inaccessible, as the entrance is too narrow.

Building 2 (B2):

- The building is elevated with two flights of stairs at the entrance, making it non-accessible.
- There are no handrails along the stairway.
- The doorway (700-600mm wide) is non-compliant.

Building 3:

- Similar to Building 2, this building is elevated with two flights of stairs and no handrails.
- The doorway (700-600mm wide) is non-compliant.

Building 4:

- As a three-story structure with stairs for access to upper levels and no ramps, this building is also non-accessible.

Overall, all buildings require significant improvements to meet accessibility standards.

## c. TOILET BLOCKS (STUDENT)

**Table 8: BUILDING 1_ MALE AND FEMALE STUDENT TOILETS.**

| | | | |
|---|---|---|---|
| **Building Index** | **B1- Staff Toilet, Student Female and Male Toilet** | | |
| **Type:** | **MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL. Staff , Student Female and Male Toilets.** | | **No. of Levels: 1** |
| **Dimensions** | **Length (m):**<br>**Male: 4.10m**<br>**Female: 3.56** | **Width (m):**<br>**Male: 3.5m**<br>**Male: 3.3m** | **Height (m):**<br>**Male: 2.5**<br>**Female: 2.5** |

**Existing State of Building**

| REF. No. | Building Component | Good[21] | Fair[22] | Poor[23] | Structure Type [24] | Count[25] | Comments |
|---|---|---|---|---|---|---|---|
| 1 | Toilet Bays – male | | ✓ | | | 3 Cubicles Urinals | - Cubicle Size: 0.9x1.67x1.77 high.<br>- Urinal Length: 2.35m<br>- Damaged Toilet Pan<br>- Timber Door is approx. 1.55m x 0.705m wide.<br>- There is 1 shower that is not working.<br>- No Handbasin present in the washroom, students are to wash their hands using the taps outside.<br>- The concrete partition walls consisted of concrete spalling. |
| 2 | Toilet Bays – female | | ✓ | | Timber | 4 Cubicles | - Cubicle Size: 1.54x0.89x1.77 high,<br>- The cubicle doors cannot close properly.<br>- The partition Walls concrete at a height of 1.77m.<br>- There were no toilet paper holders mounted.<br>- There is 1 handbasin in the female toilet, however, it is not working, students are advised to use the tap outside the toilet. |
| 3 | Toilet Partition between boys and girls. | | ✓ | | Concrete | | There are damages at the male's toilet. |
| 4 | Shower bay | | ✓ | | Concrete | 1 | 1 shower per toilet, however is not working. |

[21] Good - No additional works / intervention required
[22] Fair - Remedial works required – min CAT 3 standard
[23] Poor - Demolition and replace with new - min CAT 4 standard
[24] Type of structure - Timber/concrete/steel
[25] Count - Used for identifying number of toilet bays and menstrual hygiene facilities

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | Toilet Bays – accessible | | | ✓ | | | Toilets are not accessible. |
| 6 | Entry to toilet building | | ✓ | | Timber | | The entrances to the toilets are unsafe. The entrance to the male's toilet is at the back of the building, out of view from the school, while the female's toilet entrance is situated next to the office toilet, also out of sight. Additionally, the toilets are visible to the public, with the school gate just a few meters away. This lack of visibility makes it difficult for the school to monitor who enters, particularly in these areas that are not easily seen. |
| 7 | Exit to toilet building | | ✓ | | Timber | | |
| 8 | Menstrual Hygiene facilities | | ✓ | | | 1 | Only 1 bin provided at the female toilet. |

***Comments***

The washroom does not consist of non-slip tiles which could be a hazard during cleaning or when it is wet.

There is no toilet washbasin allocated in the toilet. Students are required to use the general taps located outside.

## Table 9: BUILDING 4_ MALE AND FEMALE STUDENT TOILETS.

| Building Index | B4- Staff Toilet, Student Female and Male Toilet | | |
|---|---|---|---|
| Type: | MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL.<br>GL: Female Student Toilet and Staff.<br>FL: Male Student and Staff Toilet | | No. of Levels: 2 |
| Dimensions | Length (m):<br>Male: 4.10m<br>Female: 3.56 | Width (m):<br>Male: 3.5m<br>Male: 3.3m | Height (m):<br>Male: 2.5<br>Female: 2.5 |

**Existing State of Building**

| REF. No. | Building Component | Good[26] | Fair[27] | Poor[28] | Structure Type [29] | Count[30] | Comments |
|---|---|---|---|---|---|---|---|
| 1 | Toilet Bays – male | | ✓ | | | 5 Cubicles<br>6 Urinals | - Cubicle Size: 1.6m x 0.85m x 1.83m high.<br>- Lights are not working at some fixtures.<br>- Door locks damaged at some areas.<br>- Water pressure for males is low.<br>- The handbasins are located in 3 of the cubicles.<br>- |
| 2 | Toilet Bays – female | | ✓ | | Timber | 12 Cubicles | - Cubicle Size: 1.6m x 0.85m x 1.83m high.<br>- Lights are not working at some fixtures.<br>- Door locks damaged at some areas.<br>- Water pressure for males is low.<br>- The handbasins are located in 3 of the cubicles. |
| 3 | Toilet Partition between boys and girls. | | ✓ | | Concrete | | There are damages at the male's toilet. |
| 4 | Shower bay | | ✓ | | Concrete | 1 | 1 shower per toilet, however is not working. |
| 5 | Toilet Bays – accessible | | | ✓ | | | Toilets are not accessible. |
| 6 | Entry to toilet building | | ✓ | | Timber | | The entrance and Exit access are both satisfactory with timber doors of approx. 850mm wide. |
| 7 | Exit to toilet building | | ✓ | | Timber | | |

[26] Good - No additional works / intervention required
[27] Fair - Remedial works required – min CAT 3 standard
[28] Poor - Demolition and replace with new - min CAT 4 standard
[29] Type of structure - Timber/concrete/steel
[30] Count - Used for identifying number of toilet bays and menstrual hygiene facilities

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | Menstrual Hygiene facilities | | ✓ | | | 2 | 2 bins provided with no lids. |

***Comments***

The washroom does not consist of non-slippery tiles which could be a hazard during cleaning or when it is wet.

There are 6 taps allocated outside and approx. 3 – 6 taps per cubicle for the students to wash their hands.

## Table 10: BUILDING 1_ UNISEX STAFF TOILET.

| Building Index | B4- STAFF TOILET | | |
|---|---|---|---|
| Type: | MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL.<br>Unisex Toilet | | No. of Levels: 1 |
| Dimensions | Length (m): 1.5 | Width (m): 0.95 | Height (m): 3.30 (up to eaves) |

**Existing State of Building**

| REF. No. | Building Component | Good[31] | Fair[32] | Poor[33] | Structure Type [34] | Count[35] | Comments |
|---|---|---|---|---|---|---|---|
| 1 | Toilet Bays – male | | ✓ | | | | - Refer to the Female |
| 2 | Toilet Bays – female | | ✓ | | Concrete | 1 Cubicle | - Cubicle: 0.95m x 1.5m<br>- Lights are not working at some fixtures.<br>- 1 Handbasin.<br>- Water Pressure is fine. |
| 3 | Toilet Partition between boys and girls. | N/A | | | | | N/A as it is only 1 cubicle |
| 4 | Shower bay | | | | | | No Shower |
| 5 | Toilet Bays – accessible | | | ✓ | | | Not accessible. |
| 6 | Entry to toilet building | | ✓ | | | | Entry is satisfactory. |
| 7 | Exit to toilet building | | ✓ | | | | |
| 8 | Menstrual Hygiene facilities | | ✓ | | | 1 Bin | 1 bin. |
| 9 | Students to **WASH** ratio | Toilet taps: 6:1 – Male<br>12:1 - Female | | | Male | 6:1 | Female 12: 1 |

***Comments***

The washroom does not consist of non-slippery tiles which could be a hazard during cleaning or when it is wet.

The walls contained defected paint.

[31] Good - No additional works / intervention required
[32] Fair - Remedial works required – min CAT 3 standard
[33] Poor - Demolition and replace with new - min CAT 4 standard
[34] Type of structure - Timber/concrete/steel
[35] Count - Used for identifying number of toilet bays and menstrual hygiene facilities

## Table 11: BUILDING 4_ STAFF TOILET.

| Building Index | B4- STAFF TOILET | | |
|---|---|---|---|
| Type: | MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL.<br>GL: Staff Female<br>FL: Staff Male Toilet | | No. of Levels: 1 |
| Dimensions | Length (m): 1.5 | Width (m): 0.95 | Height (m): 3.30 (up to eaves) |

**Existing State of Building**

| REF. No. | Building Component | Good[36] | Fair[37] | Poor[38] | Structure Type [39] | Count[40] | Comments |
|---|---|---|---|---|---|---|---|
| 1 | Toilet Bays – male | | ✓ | | | 1 Cubicle | - Cubicle: 0.95m x 1.5m<br>- Lights are not working at some fixtures.<br>- 1 Handbasin.<br>- Water Pressure is low. |
| 2 | Toilet Bays – female | | ✓ | | Timber | 1 Cubicle | - Cubicle: 0.95m x 1.5m<br>- Lights are not working at some fixtures.<br>- 1 Handbasin.<br>- Water Pressure is low. |
| 3 | Toilet Partition between boys and girls. | N/A | | | | | N/A as it is only 1 cubicle |
| 4 | Shower bay | | | | | | No Shower |
| 5 | Toilet Bays – accessible | | | ✓ | | | Not accessible. |
| 6 | Entry to toilet building | | ✓ | | | | Entry is satisfactory. |
| 7 | Exit to toilet building | | ✓ | | | | |
| 8 | Menstrual Hygiene facilities | | ✓ | | | 2 Bin | 2 bins. |
| 9 | Students to **WASH** ratio | Toilet taps: 6:1 – Male<br>12:1 - Female | | | Male | 6:1 | Female 12: 1 |

***Comments***

The washroom does not consist of non-slippery tiles which could be a hazard during cleaning or when it is wet.

The walls contained defected paint.

[36] Good - No additional works / intervention required
[37] Fair - Remedial works required – min CAT 3 standard
[38] Poor - Demolition and replace with new - min CAT 4 standard
[39] Type of structure - Timber/concrete/steel
[40] Count - Used for identifying number of toilet bays and menstrual hygiene facilities

# 5 PHOTOGRAPHIC REPORT

## Table 12: BUILDING 1 PHOTOGRAPHS.

| | | | |
|---|---|---|---|
| **Client:** | **TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD** | **School Name:** | **HOLY TRINITY ANGLICAN SCHOOL** |
| **Project:** | **INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.** | **Building Index:** | **B1** |

*Figure 1: B1 FRONT ELEVATION.*

PHOTOGRAPH No. 1: FRONT

*Figure 2: B1 LEFT SIDE ELEVATION.*

PHOTOGRAPH No. 2: LEFT SIDE

*Figure 3: B1 REAR / BACK ELEVATION.*

PHOTOGRAPH No. 3: BACK

*Figure 4: B1 RIGHT SIDE ELEVATION.*

PHOTOGRAPH No. 4: RIGHT SIDE

*Figure 5: B1 INTERIOR OF YEAR 101.*

PHOTOGRAPH No. 5: INTERIOR

*Figure 6: B1 INTERIOR OF YEAR 102.*

PHOTOGRAPH No. 6: INTERIOR

*Figure 7: B1 COLUMN BASE PLATE CONNECTION.*

PHOTOGRAPH No. 7: ROOF SPACE PHOTOGRAPH

*Figure 8: B1 ROOF CLADDING.*

PHOTOGRAPH No. 8: ROOF CLADDING PHOTOGRAPH

*Figure 9: B1 ENTRANCE TO MALES TOILET.*

PHOTOGRAPH No. 9: ENTRANCE TO THE STUDENT MALE TOILET

*Figure 10: B1 ENTRANCE TO THE FEMALE TOILET.*

PHOTOGRAPH No. 10: ENTRANCE TO THE STUDENT FEMALE TOILET

*Figure 11: B1 WATER TANK*

PHOTOGRAPH No. 11: ROOF SPACE

*Figure 12:B1 CONSUMPTION TAPS LOCATED AT THE FRONT OF THE CLASSROOMS.*

PHOTOGRAPH No. 12: WATER TANK

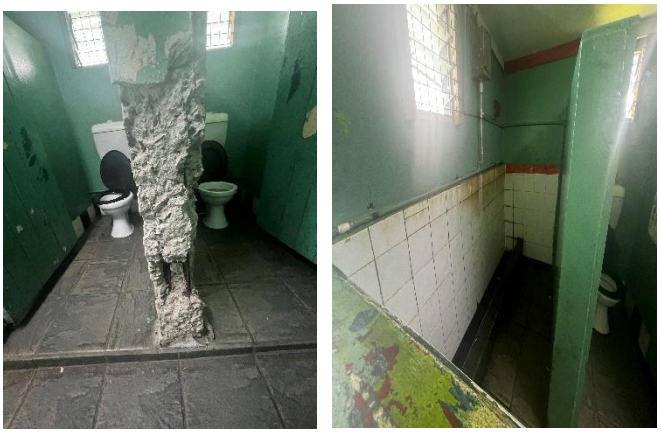


*Figure 13:B1 STUDENT MALE TOILET.*

PHOTOGRAPH No. 11: B1 STUDENT MALE TOILET

*Figure 14: B1 STAFF FEMALE TOILET.*

PHOTOGRAPH No. 12: B1 STUDENT FEMALE TOILET

*Figure 15: B1 MALE TAP FOR HAND WASH.*

*Figure 16: B1 FEMALE TAP FOR HAND WASH.*

| PHOTOGRAPH No. 13: B1 STAFF MALE TOILET | PHOTOGRAPH No. 14: B1 FL REAR WALKWAY |
|---|---|
|  *Figure 17: B1 FIRE EXTINGUISHER AND FIRE HOSE REEL.* |  *Figure 18: B1 WALKWAY* |
| PHOTOGRAPH No. 15: B1 FIRE EXTINGUISHER AND FIRE HOSE REEL. | PHOTOGRAPH No. 16: B1 WALKWAY |

## Table 13: BUILDING 2 PHOTOGRAPHS.

| Client: | TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD | School Name: | HOLY TRINITY ANGLICAN SCHOOL |
|---|---|---|---|
| Project: | INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL. | Building Index: | B2 |

*Figure 19: B2 FRONT ELEVATION.*

PHOTOGRAPH No. 1: FRONT

*Figure 20: B2 REAR LEFT SIDE ELEVATION.*

PHOTOGRAPH No. 2: LEFT SIDE

*Figure 21: B2 REAR / BACK ELEVATION.*

PHOTOGRAPH No. 3: BACK

*Figure 22: B2 RIGHT SIDE ELEVATION.*

PHOTOGRAPH No. 4: RIGHT SIDE

*Figure 23: B2 YEAR 9A CLASSROOM.*

PHOTOGRAPH No. 5: INTERIOR.

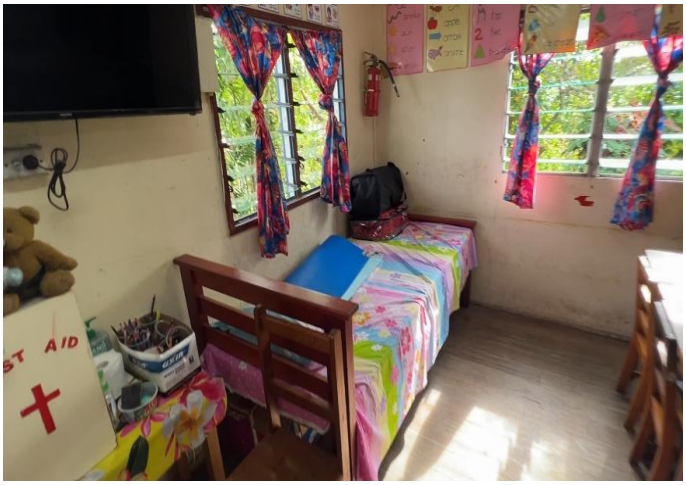



*Figure 24: B2 SICK BAY*

PHOTOGRAPH No. 6: SICK BAY

*Figure 25: B2 FIRE EXTINGUISHER*

PHOTOGRAPH No. 7: FIRE EXTINGUISHER

*Figure 26: B2 WALKWAY AT THE FRONT OF THE CLASSROOMS.*

PHOTOGRAPH No. 8: TAPS.

*Figure 27: B2 WALKWAY*

PHOTOGRAPH No. 9: WALKWAY

*Figure 28: B2 WALKWAY ROOF*

PHOTOGRAPH No. 10: B2 WALKWAY

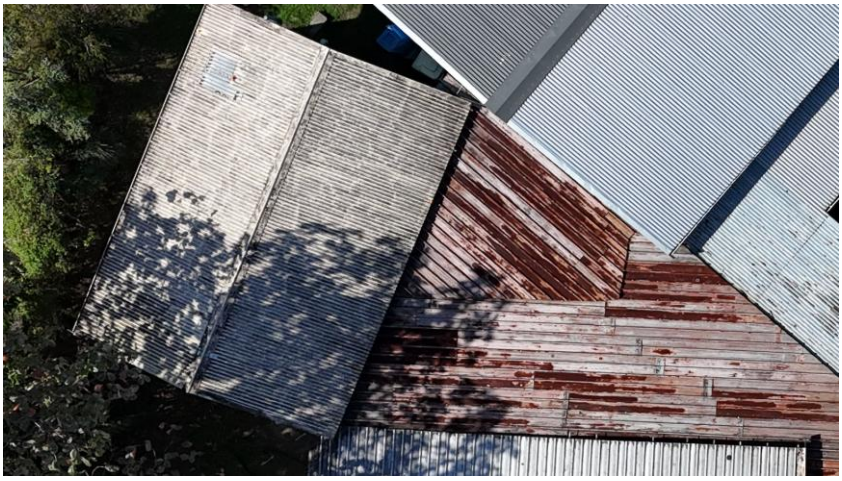


*Figure 29: B2 ROOF CLADDING*

PHOTOGRAPH No. 11: B2 ROOF CLADDING

## Table 14: BUILDING 3 PHOTOGRAPHS.

| Client: | TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD | School Name: | HOLY TRINITY ANGLICAN SCHOOL |
|---|---|---|---|
| Project: | INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL. | Building Index: | B3 |

*Figure 30: FRONT ELEVATION.*

PHOTOGRAPH No. 1: FRONT

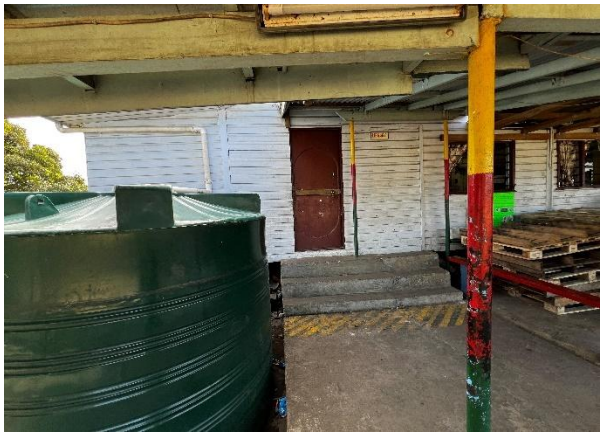


*Figure 31: B3 LEFT SIDE ELEVATION.*

PHOTOGRAPH No. 2: LEFT SIDE

*Figure 32: B3 REAR / BACK ELEVATION.*

PHOTOGRAPH No. 3: BACK

*Figure 33: B3 RIGHT SIDE ELEVATION.*

PHOTOGRAPH No. 4: RIGHT SIDE

*Figure 34: B3 YEAR 503 INTERIORS*

PHOTOGRAPH No. 5: INTERIOR

*Figure 35: B3 YEAR 503 INTERIORS*

PHOTOGRAPH No. 6: INTERIOR

*Figure 36: B3 FLOORING*

PHOTOGRAPH No. 7: FLOORING

*Figure 37: B3 ROOF CLADDING*

PHOTOGRAPH No. 8: ROOF CLADDING

*Figure 38: B3 FIRE EXTINGUISHER*

PHOTOGRAPH No. 9: FIRE EXTINGUISHER

*Figure 39: B3 WATER TANK.*

PHOTOGRAPH No. 10: WATERTANK.

## Table 15: BUILDING 4 PHOTOGRAPHS.

| | | | |
|---|---|---|---|
| **Client:** | **TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD** | **School Name:** | **HOLY TRINITY ANGLICAN SCHOOL** |
| **Project:** | **INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.** | **Building Index:** | **B4** |

*Figure 40: B4 FRONT ELEVATION.*

PHOTOGRAPH No. 1: FRONT

*Figure 41: B3 LEFT SIDE ELEVATION.*

PHOTOGRAPH No. 2: LEFT SIDE

*Figure 42: B4 REAR / BACK ELEVATION.*

PHOTOGRAPH No. 3: BACK

*Figure 43: B4 RIGHT SIDE ELEVATION.*

PHOTOGRAPH No. 4: RIGHT SIDE

*Figure 44: B4 CLASSROOM INTERIOR.*

PHOTOGRAPH No. 5: INTERIOR

*Figure 45: B4 CLASSROOM INTERIOR.*

PHOTOGRAPH No. 6: INTERIOR

*Figure 46: B4 ROOF SPACE*

PHOTOGRAPH No. 7: ROOF SPACE

*Figure 47: B4 ROOF CLADDING*

PHOTOGRAPH No. 8: ROOF CLADDING

*Figure 48: B4 STUDENT MALE TOILET*

PHOTOGRAPH No. 9: STUDENT MALE TOILET

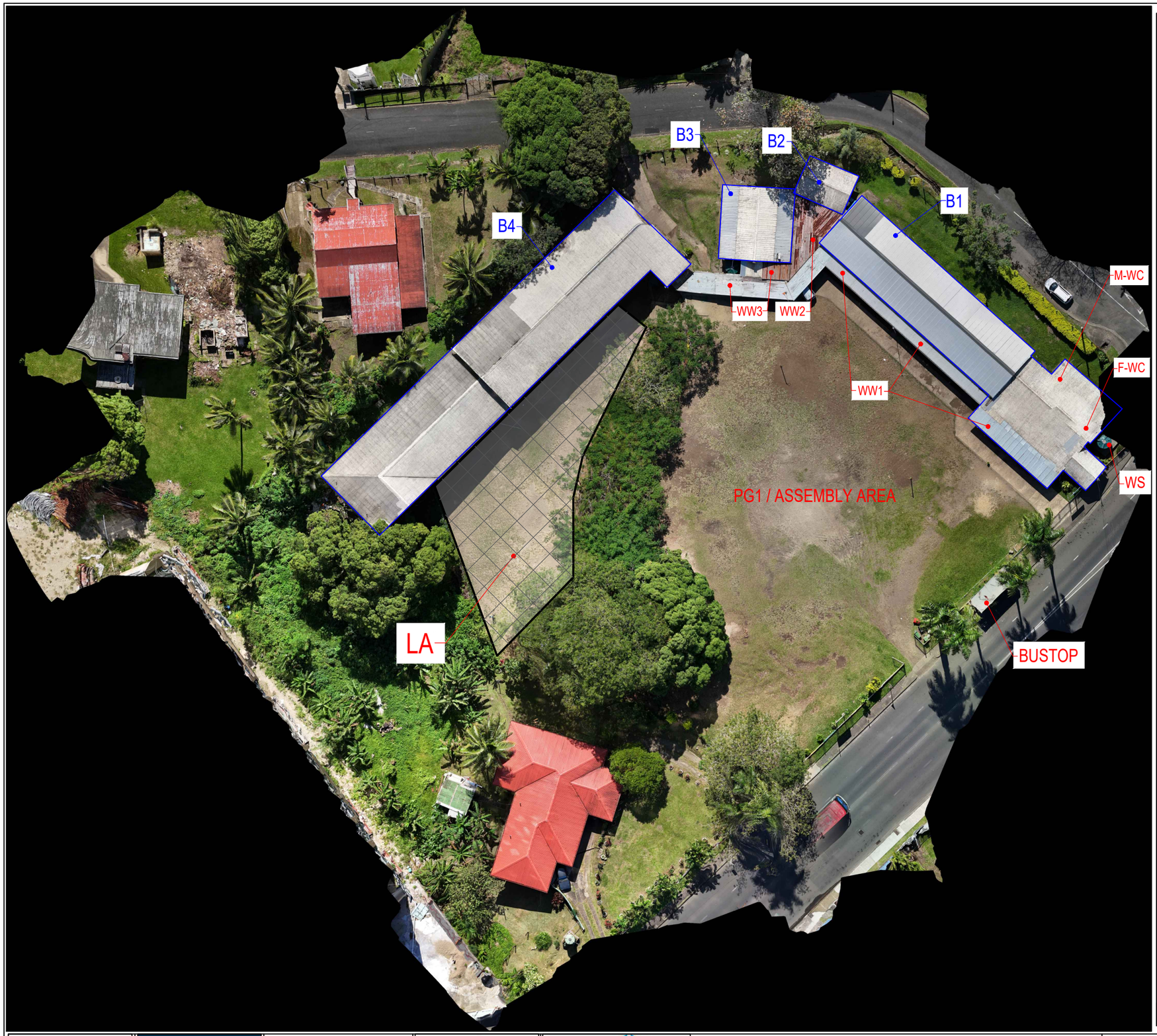
*Figure 49: STUDENT FEMALE TOILET.*

PHOTOGRAPH No. 10: STUDENT FEMALE TOILET

# Appendix B – Excel Scoring Sheet

| | WEIGHTED CRITERIA | | |
|---|---|---|---|
| 1 | **PART A - CLASSROOM OVERCROWDING (40%)**<br>**Classrooms facilitating students beyond room capacity, determined through number of students per classroom and classroom size** | | |
| | Poor - most to all classrooms are accommodating students above capacity. | 32 to 40 | **38** |
| | **Criteria Item Score** | | **38.0** |
| 2 | **PART B - WASH FACILITIES (20%)**<br>**WASH- Student ratio based on the Fiji National Building Code (FNBC) Infrastructure Standards (10%)** | | |
| | Good - WASH-Student ratio for school toilet blocks meets or exceeds the ratio in the standard specified by FNBC. | 0 to 5.9 | **0** |
| 2.1 | **Quality of facilities and current condition such as funtionality and maintenance (10%)** | | |
| | Poor - school toilet facilities are not maintained and the physical infrastructure cause major disturbances to end users. | 8 to 10 | **8** |
| | **Criteria Item Score** | | **8.0** |
| 3 | **PART C - CONDITION OF INFRASTRUCTURE (20%)**<br>**Building structure and condition of walls, floors, ceilings, overall structural integrity (10%)** | | |
| | Fair - some building structures require more intervention to improve structural integrity and condition. | 6 to 7.9 | **7** |
| 3.1 | **Maintenance and assessment of the upkeep of facilities including painting and repairs (10%)** | | |
| | Fair - school facilities are not maintained well and the physical infrastructure may need repairs or remedial work due to causing moderate distrubances to the end users. | 6 to 7.9 | **7** |
| | **Criteria Item Score** | | **14.0** |
| 4 | **PART D - DISABILITY ACCESSIBILITY (10%)**<br>**Accessibility features such as the presence of existing ramps, handrails, accessible toilets etc** | | |
| | Poor - School buildings and facilities do not have accessibility features. | 8 to 10 | **10** |
| | **Criteria Item Score** | | **10.0** |
| 5 | **PART E - DISASTER RESILIENCE (10%)**<br>**Presence and quality of measures for disaster resilience of buildings including structural measures, cyclone shutters and fire safety systems** | | |
| | Poor - most or all school building structures are not resilient to natural disasters and do not have safety systems in place. | 8 to 10 | **8** |
| | **Criteria Item Score** | | **8.0** |
| | **TOTAL CRITERIA SCORE** | | **78.0** |

# Appendix C – Land Available for Expansion




## LEGENDS

| | | | |
|---|---|---|---|
| B# | BUILDINGS | DR# | PONDS/CREEKS/DRAINAGE |
| PG# | PLAYGROUND | H# | HOSTELS |
| WC# | TOILETS | ST# | STAFF QUARTERS |
| T# | TAP/ WASH AREAS | F# | DINING/FOOD AREA |
| WS# | WATER STORAGE FACILITY | EFL# | EFL POSTS/JUNCTION BOX |
| SEP# | SEPTIC TANK | CP# | CAR PARK |
| LA# | LAND AVAILABILITY | WW# | WALKWAY |

NOTE:

SCALE: NOT TO SCALE

Australian Government
Department of Foreign Affairs and Trade

TETRA TECH

Disasters DO Happen
Are YOU Prepared?

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EMAIL: info@nrwmacallan.com.fj

SCHOOL NAME:

# (17) HOLY TRINITY ANGLICAN SCHOOL