INFRASTRUCTURE ASSESSMENT AUDIT FOR SUVA – NAUSORI URBAN SCHOOLS

DRAIBA PRIMARY SCHOOL (REG 2324)

SUMMARY REPORT

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1) INSPECTION SUMMARY

School Inspection Summary	
School name:	DRAIBA PRIMARY SCHOOL
Overall condition state:	FAIR

Key recommendations:

- Overcrowding – 8 new classrooms required based on FNBC standards
- Overcrowding – 3 new classrooms required based on recommended sizing (1.5m^2)
- WASH – Maintenance of ablution blocks required
- Accessibility –All buildings require accessibility ramps, accessible doorways
- Disaster resilience – Windows to include cyclone shutters and roof cladding fastened with Cyclone roofing screws.

Comments:

Major defects were noted as follows:

- Building 4 – Deteriorated ceiling framing and ceiling board. Damaged Window Frame.
- Exposed Rotten Veranda Roof Framing
- Ceiling boards were sagging with clear indication of roof leakages.
- Hairline cracks on walls and corridors
- Rusted roof cladding, gutter and roofing nails

Aerial view of school

General view of school

School type:	Primary	✓	Secondary		Year levels	1,2,3,4,5,6,7,8

School address:	153 Ratu Sukuna Road, Suva				
School enrolment and staff figures	**No. of Students (Total)**	**No. of Students (Female/Male)**	**No. of Students with Disability**	**No. of Teachers (Male)**	**No. of Teachers (Female)**
	758	-	0	6	15
School building arrangement	**TOTAL NUMBER OF BUILDINGS: 9** **B1** – SINGLE STOREY / **B2** – SINGLE STOREY / **B3** – SINGLE STOREY / **B4** – SINGLE STOREY / **B5** – SINGLE STOREY / **B6** – SINGLE STOREY / **B7** – SINGLE STOREY / **B8** – SINGLE STOREY / **B9** – DOUBLE STOREY **B10** – SINGLE STOREY / **B11** – SINGLE STOREY				
Local government area:	NASESE, SUVA				
Date of inspection:	09ND SEPTEMBER, 2024				
Inspection team:	KUNAAL NAND (KN) HENDRY TABULAWAKI (HT) CLIFFTON RAITAVOWAI (CR) MARIA LUTUA (ML)				
Data collection methods	Visual inspection	✓	Onsite measurement	✓	
	Interviews with school staff	✓	Drone / aerial imagery	✓	
	Survey form	✓	Desktop research	✓	
	Other:				
Assumptions:	NONE				
Limitations:	UNAVAILABILITY OF ALL SCHOOL DOCUMENTS SUCH AS BOUNDARY AREA.				

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 (1.5m^2), according to 2024 data, an additional 3 classrooms are required for Draiba Primary School.

Year	Stream	Number of students	Current number of classrooms	Number of extra classrooms required based on FNBC on 2024 data
1	101	47	2	1
	102	44		
2	201	44	2	1
	202	41		
3	301	44	2	1
	302	45		
4	401	29	3	-
	402	30		
	403	28		
5	501	31	3	-
	502	25		
	503	32		
6	601	33	3	1
	602	30		
	603	32		
7	701	28	3	-
	702	31		
	703	31		
8	801	38	3	1
	802	40		
	803	37		

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	34	10.1	2.8	1	Single timber structure with cladding on timber framed roof structure and timber external walls	- (4) Classrooms
B2	31.9	9.2	4.1	1	Single concrete structure with cladding on timber framed roof structure and masonry external walls	- (2) Classrooms
B3	12.5	3	2.7	1	Single concrete structure with cladding on timber framed roof structure and masonry external walls	- Boys /Girls Toilet (6-8)
B4	24.1	5.4	3.7	1	Single concrete structure with cladding on timber framed roof structure and masonry external walls	- Classrooms / Girls Toilets (1-4)
B5	28.5	9.1	3.5	1	Single concrete structure with cladding on timber framed roof structure and masonry external	- Classrooms / Storage / Staff Toilet

					wall's structure and masonry external walls	
B6	24.3	9.1	3.7	1	Single concrete structure with cladding on timber framed roof structure and masonry external wall's structure and masonry external walls	- Classroom / Boys toilet (1-4)
B7	17.6	9.5	4	1	Single timber structure with cladding on timber framed roof structure and timber external walls	- Classrooms
B9	19	12.5	5.4	2	Double storey concrete structure with cladding on timber framed roof structure and masonry external walls	- Classrooms / Office / Library
B10	10.2	10.6	4	1	Single timber structure with cladding on timber framed roof structure and timber external walls	- Classrooms
B11	34.6	9.9	3.5	1	Single timber structure with cladding on timber framed roof structure and timber external walls	- Classrooms

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	Poor
General upkeep	Exterior, interior, furniture and fixtures	Poor
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** – Cracks on concrete observed. There were water leak marks on the ceiling and there are signs of wear and tear on walls.
- **Floors and Foundation** – the floor and foundation for the entire school is found to be in a fair condition. There is visible sign of cracks on the concrete floors and the foundation columns.
- **Roofs** – the school reported that there are leaks in some places. It was found that roof materials are in fair condition. However, some roof cladding and fastenings are partially rusted and requires upgrading works.
- **Windows** – some missing window louvre blades were recorded at various buildings

- **Earthquake –** The single-storey main concrete building indicates non-resistance to earthquake based on suitable column, beam and slab size and design.
- **Cyclone** – minor roof upgrading works required to increase cyclone resilient capacity of the structures.

Existing Conditions of Building and Maintenance

- **Exterior –** the building is in fair condition as the wall, beam, column, window seal, doors, eaves, fascia boards and gutters are intact and coated with paint. The school executes periodical maintenance.

- **Interior –** the building is in fair condition as the walls, beams, columns windows, doors and ceiling are intact and coated with paint. The school executes periodical maintenance. The classrooms were found to be clean with proper waste disposal.

- **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. All electrical systems are measured to be safe.

- **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 the administration office as well as the computer lab.

- **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 all light fixtures are working and provides adequate illumination.

4) WATER SANITATION HYGIENE (WASH) FACILITIES

Condition of Toilets and Washrooms

Draiba Primary School has toilet facilities in 2 blocks. The toilet facilities have some minor defects such as:

- The cubicle doors were damaged/missing.
- Some toilet seat pans were missing.
- Rust was found on the door hinges and steel connectors of the PVC pipe outlets in the toilet system.

The WASH facilities were unclean and lacked maintenance.

The table below presents wash facilities data.

TOILET CUBICLE(S)		No. of Cubicles		Toilet Ratio (1 cubicle: students)		Compliance of Student to Toilet Cubicle Ratio (FNBC).	
Building Index	Used by Years	Female	Male	Female	Male	Female Requirement (1:20) Extra Toilets?	Male Requirement (1:30) Extra Toilets?
B3	6-8	5	5	30	30	2	2
B4	1-4	7	-	25	-	0	0
B6	1-4	-	4	-	44	-	2

HAND BASINS IN THE TOILET		No. of Hand Basins		Handbasin Ratio 1:		Compliance of Student to Hand Basin Ratio (FNBC).	
Building Index	Used by Years	Female	Male	Female	Male	Female Requirement (1:60) Extra Handbasins?	Male Requirement (1:60) Extra Handbasins?
B3	6-8	1	1	150	150	3	3
B4	1-4	1	-	175	-	3	3
B6	1-4	-	1		175	3	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?
Building Index	Used by Years			
All buildings	All years	12	60	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 has a cyclonic roof designed to withstand strong winds and seismic activity. However, replacement with new roof cladding and roofing screws is needed.
- Location: The school is location allows easy access to main streets and relief services.

Structural

- Material Quality: The school buildings are constructed using reinforced concrete and follow acceptable engineering design principles.
- Structural Integrity: Buildings have demonstrated the capability to withstand and recover from natural disasters like earthquakes, category 3 cyclones, and floods.

Non-Structural

- Disaster Preparedness: Implementation of disaster evacuation plans, emergency exit routes, and safety protocols.
- Fire Safety: Strategically placed fire extinguishers to mitigate fire-related risks.

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.
   - Libraries require accessible shelving, reading stations, and assistive technology (such as screen readers) to enhance library usability.
   - Restrooms (WASH facilities) are not wheelchair-accessible or have grab bars and sinks at an appropriate height.
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 and gathering spaces are not barrier-free and are without proper lighting and contrasting floor materials to aid navigation.

7) SUMMARY OF FINDINGS

The following summarizes the individual characteristics assessed during the Suva-Nausori school audit for Draiba Primary School:

Categories of Assessment	Existing Condition / State	Required as per Standards	Gaps Observed
Existing Infrastructure Condition	- Structural Integrity – Columns, slabs, beams, rafters, purlins of adequate size. - General upkeep – Minor irregular maintenance. - Safety compliance- handrails where necessary. - Disability- no consideration when constructed. - Ventilation and lighting – damaged and missing lights at some sections of buildings.	- Structural Integrity – Columns, slabs, beams, rafters, purlins sizes to follow FNBC 1990. - General upkeep –routine checkup as per MOE policies with major defects requiring immediate intervention. - Safety compliance- handrails, extra doors and signage where necessary. - Disability- to comply with FDPF Disability audit tool - Ventilation and lighting – adequate windows and doors required as per FNBC 1990.	- Structural Integrity – Columns, slabs, beams, rafters, purlins sizes to follow FNBC 1990. - General upkeep –requires immediate intervention to minor defects. - Disability- not fully compliant with FDPF Disability audit tool - Ventilation and lighting – limitations in the count of windows and lightings compared to required FNBC.
Assessment of Overcrowding	- The classrooms are accommodating an average of 770 roll/21 classrooms of 37 students.	- FNBC 1990 requires classroom occupancy to have $2m^2$ per person. Based on that, the required roll per classroom was calculated.	- 6/21 classrooms were accommodating more roll than required. - Given the recommended sizing ($1.5m^2$), about 3 extra classrooms are required to address overcrowding in school.
Water Sanitation Hygiene (WASH) facilities	Toilets (students: Cubicle) - Boys – 37:1 - Girls – 25:1 Taps (students: tap) - Students – 23:1 - Menstrual hygiene bins were not found in any female cubicle/toilet	Toilets Ratio (students: Cubicle) - Boys – 30:1 - Girls – 20:1 Taps Ratio (students: tap) - Students – **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.** - Menstrual hygiene bins to be present in every female washroom block	- The boys toilet ratio as well as the girl's toilet ratio is in par with the FNBC 1990 ratio. This may hinder later on with growing population. - The tap ratio was in par with the FNBC indicating extra taps are not required in the school. - The school requires maintenance of rusting pipes and algae buildup in WASH facilities.
Disaster Resilience Assessment	- Columns, beams, slabs had hairline cracks. - All roof had truss roof frames. - The windows only have mesh shutters at some sections. - Roof cladding is rusted for some of the buildings. - Roofing nails show rusting.	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. - Absence of cyclone brackets are not acceptable as per the cyclone certification.

Accessibility Assessment	- There are no handrails throughout the school - Classrooms have typical door size of 0.8 – 0.9m width.	**The following are requirements from Fiji Disabled People's Federation Access Audit Tool** - Ramps – required wherever elevation with minimum 1:8 maximum 1:20 - Walkway clearance - - Handrails to be 0.76m to 0.9m. - Doors and Door size – minimum 0.9m. - Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)	The following facilities are missing. - Ramps and elevators for vertical access - Wide doorways and clear pathways - Proper signage - Wheelchair-accessible restrooms - Grab bars - Proper signage - Inclusive seating areas and pathways - Proper lighting - Contrasting floor materials - Handrails along the walkways.

8) RECOMMENDATIONS

- In order to comply with the FNBC, the school will require the following:
  - Classrooms: An additional 8 new classrooms for students in years 4 - 6. This expansion aims to accommodate the growing number of students and provide them with an enhanced learning environment.
- WASH Facilities:
  - Since the boys' and girls' toilets is in par with the FNBC ratio, additional cubicles could be considered for future growing population, equipped with up-to-date WASH facilities catering particularly to disabled people. The exact number could be discussed upon further analysis.

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

- Roof repairs due to rusting of cladding, roofing nails, gutter and gutter straps.
- Plumbing fixes due to algae buildup.
- New paint application on rails and walls

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.

9) COMPLIANCE

Upon inspecting Draiba Primary School, the following conclusions were drawn:

- **MEHA Compliance:** Compliant
- **WASH Facilities:** The school has ample taps.
- **Land Availability:** There is sufficient land for additional blocks.
- **NFA Compliance:** Compliant with NFA basic guidelines but does not have NFA certification.
- **WAF Compliance:** Adequate water supply, but no backup system for water cuts.
- **FNBC Compliance:** The school is not fully compliant with the occupancy requirements as well as the category 5 cyclone standards based on the windows and roofing requirements.
- **NDMO Compliance**: Targeting NFA and NBC compliance for safety.
- **EFL Compliance:** Assumed to be compliant with EFL standards.
- **DISABILITY Accessibility:** non-compliant

10) APPENDIX

Appendix A – Draiba Primary 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 SCHOOLS

INFRASTRUCTURE ASSESSMENT FOR SUVA DRAIBA PRIMARY SCHOOL (2324)

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 Safety
NFA	National Fire Authority
WAF	Water Authority of Fiji
NBC	National Building Code
NDMO	National Disaster Management Office
EFL	Energy Fiji Limited

1) SCHOOL BACKGROUND

Draiba Primary School, located in Suva, has a rich history tied to the legacy of Ratu Sir Lala Sukuna. The school was originally established in 1945 as Draiba Fijian Primary School to support the education of the iTaukei people. It has since evolved into a prominent educational institution in the region, known for its commitment to academic excellence and cultural heritage.

The school is situated on Ratu Sukuna Road and continues to play a significant role in the local community. Draiba Primary School has also served as an evacuation center during emergencies, highlighting its importance beyond just education.

Table 1: SCHOOL DETAILS

NAME OF SCHOOL	DRAIBA PRIMARY SCHOOL
SCHOOL REGISTRATION NUMBER	
SCHOOL LOCATION	RATU SUKUNA ROAD, LAUCALA
SCHOOL TYPE	PRIMARY SCHOOL
FEEDER SCHOOL	
DATE OF INSPECTION	04TH JULY, 2024
MILESTONE	(37 / 86 SCHOOLS)
INSPECTED BY (TEAM 2)	KUNAL NAND (KN)
	HENDRY TABULAWAKI (HT)
	CLIFFTON RAITAVOWAI (CR)
	MARIA LUTUA (ML)

Table 2: SCHOOL ENROLMENT FIGURES

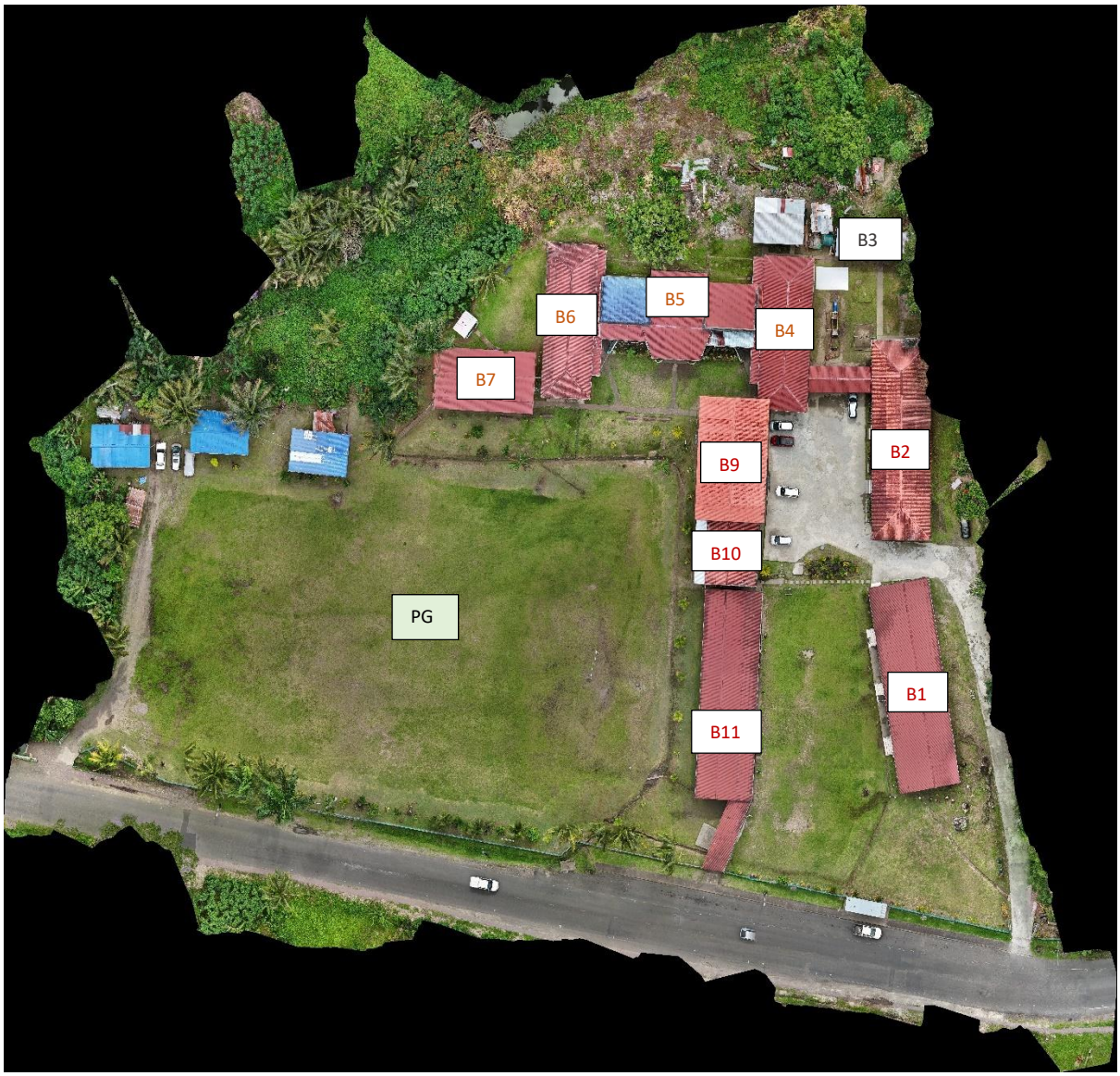
Year of Enrolment	Number of Students			Students with Disability	Number of Teachers			Comments
	Male	Female	Total		Male	Female	Total	
2024			758		6	15	21	• 21 Classrooms • Student to stream average ratio is 48 :1 for 2024 school calendar. • WASH ratio = 10: 1 per tap = 7: 1 per toilet • Draiba Primary School is also an Evacuation Centre.
2023			748		5	13	18	
2022			607		5	13	18	
2021			517		5	13	18	
2020			500		5	13	18	
2019			493		5	11	16	

Table 3: 2024 CLASSROOM ENROLLMENT DETAILS

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	47	1	9.3	6.6	1	10	☒YES ☐NO
	102	44	1	9.3	6.6	2	8	☒YES ☐NO
2	201	44	1	9.0	6.5	1	10	☒YES ☐NO
	202	41	1	9.2	6.5	1	10	☒YES ☐NO
3	301	44	1	9.2	5.7	1	10	☒YES ☐NO
	302	45	1	9.2	5.7	1	10	☒YES ☐NO
4	401	29	1	8.5	6.7	2	16	☐YES ☒NO
	402	30	1	7.0	6.5	2	21	☐YES ☒NO
	403	28	1	8.5	6.7	1	18	☐YES ☒NO
5	501	31	1	8.8	5.7	1	10	☐YES ☒NO
	502	25	1	8.8	5.7	1	10	☐YES ☒NO
	503	32	1	9.0	5.7	1	10	☐YES ☒NO
6	601	33	1	8.3	7.8	1	13	☐YES ☒NO
	602	30	1	8.5	6.1	2	12	☐YES ☒NO
	603	32	1	9.8	6.4	2	20	☐YES ☒NO
7	701	28	1	8.5	6.1	2	12	☐YES ☒NO
	702	31	1	8.5	6.1	2	12	☐YES ☒NO
	703	31	1	8.5	6.1	2	12	☐YES ☒NO
8	801	38	1	8.3	7.8	1	13	☐YES ☒NO
	802	40	1	8.3	7.8	1	13	☐YES ☒NO
	803	37	1	8.3	7.8	1	13	☐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

BUILDING 1: EXISTING BUILDING INFORMATION

Building Index	**B1: Classrooms**		**Year built: 2014 (Age: 10 years old)**
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.		**No. of Levels: 1**
Dimensions	**Length (m): 34**	**Width (m): 10.1**	**Height (m): 2.8 (from eaves end)**

Existing State of Building

REF. No.	Building Component	Good[1]	Fair[2]	Poor[3]	Structure Type [4]	Comments	
1	Roof Lining		✓		Steel		
2	Roof Structure		✓		Timber		
3	Walls		✓		Timber		
4	Columns		✓		Timber		
5	Beams		✓		Timber		
6	Floor		✓		Timber		
7	Handrails		✓		Timber & Steel		
8	Walkway(s)		✓		Timber & Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			9 taps	Student – tap ratio = 7: 1
11	Services – electricity		✓				
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Lights and fans are functional.
- Cyclone mesh shutters at some locations only (one side of the wall).
- Two fire extinguishers present in the classroom but require maintenance.
- 280mm step to classroom.
- A sample classroom was chosen, the dimensions are as follows:
  - Length (m): 8.4, Width (m): 7.9, Height (m): 2.35

[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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	**B1 – Classrooms**						
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.						**No. of Levels: 1**
Dimensions	**Length (m):**		**Width (m):**			**Height (m):**	
Existing State of Building							
REF. No.	**Building Component**	**Good[5]**	**Fair[6]**	**Poor[7]**	**Structure Type [8]**	**Dimensions (m)**	**Comments**
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Timber & Concrete	1.8m Wide	
3	Handrails		✓		Timber & Steel	900mm Height	
	Doors and Door Size (typical)		✓		Timber	900mm Wide	
4	Stairway						
5							

Comments

- There are no toilets for this building.
- The school shall provide disability provisions if there is a demand to provide these provisions.

[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

BUILDING 2: EXISTING BUILDING INFORMATION

Building Index	B2: Classrooms & Canteen		Year built: Unknown
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.		No. of Levels: 1
Dimensions	Length (m): 31.9	Width (m): 9.2	Height (m): 4.1

Existing State of Building

REF. No.	Building Component	Good[9]	Fair[10]	Poor[11]	Structure Type [12]	Comments	
1	Roof Lining		✓		Steel		
2	Roof Structure		✓		Timber		
3	Walls		✓		Masonry		
4	Columns		✓		Concrete		
5	Beams		✓		Concrete		
6	Floor		✓		Timber		
7	Handrails			✓		No Handrails	
8	Walkway(s)		✓		Concrete		
9	Services – water supply			✓			
10	Available taps for general use			✓		1 tap	Student – tap ratio = 10:1
11	Services – electricity			✓		Only 1 light & no fan	
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor and walls.
- Surface cracks are visible along the column at some locations.
- No Fire Extinguishers available.
- No Fire hose reels installed along the veranda.
- No cyclone mesh shutters.
- Missing Louvers
- A sample classroom was chosen, the dimensions are as follows:
  - Length (m): 9.0, Width (m): 5.8, Height (m): 3.1

[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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	B2: Classrooms						
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.						No. of Levels: 1
Dimensions	Length (m):		Width (m):			Height (m):	
Existing State of Building							
REF. No.	Building Component	Good [13]	Fair[14]	Poor[15]	Structure Type [16]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Concrete	3.0m Wide	
3	Handrails			✓		N/A	No Handrails
	Doors and Door Size (typical)		✓			1.6m Wide	
4	Stairway						
5							

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs & walls.
- There are no toilets for this building.
- No ramps only steep steps to the classrooms.
- The school shall provide disability provisions if there is a demand to provide these provisions.

[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

BUILDING 3: EXISTING BUILDING INFORMATION

Building Index	B3: Toilet Block (for classes 6-8)			Year built: Unknown	
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.				No. of Levels: 1
Dimensions	Length (m): 12.5	Width (m): 3.0		Height (m): 2.7 (from eaves end)	

Existing State of Building

REF. No.	Building Component	Good[17]	Fair[18]	Poor[19]	Structure Type [20]	Comments	
1	Roof Lining		✓		Steel		
2	Roof Structure		✓		Timber		
3	Walls		✓		Masonry		
4	Columns		✓		Concrete		
5	Beams		✓		Concrete		
6	Floor		✓		Concrete		
7	Handrails			✓		No Handrails	
8	Walkway(s)		✓		Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			2 taps	Student – tap ratio = 20:1
11	Services – electricity		✓			All lights working	
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor.
- Cracks are visible along the column at some locations.
- Rafter, wall plate & beam connection.

[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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	**B3 – Toilet Block**	
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.	**No. of Levels: 1**

Dimensions	**Length (m):**	**Width (m):**	**Height (m):**

Existing State of Building

REF. No.	Building Component	Good [21]	Fair[22]	Poor[23]	Structure Type [24]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Concrete	1.2m Wide	
3	Handrails			✓		N/A	
	Doors and Door Size (typical)		✓		Timber	800mm Wide	
4	Stairway			✓	N/A	N/A	
5							

Comments

- Door Size is not wide enough. Does not meet disability accessibility requirements.
- The school shall provide disability provisions if there is a demand to provide these provisions.

[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

TOILET BLOCK

Building Index	B3 – Toilet Block						
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.						No. of Levels: 1
Dimensions	Length (m):		Width (m):			Height (m):	
Existing State of Building							
REF. No.	Building Component	Good[25]	Fair[26]	Poor[27]	Structure Type [28]	Count [29]	Comments
1	Toilet Bays – male		✓			5	4 bays and 1 urinal
2	Toilet Bays – female		✓			5	5 bays
3	Toilet Partition between boys and girls.		✓				
4	Shower bay		✓			2	1 shower in the female toilet and 1 shower in the male toilet
5	Toilet Bays – accessible		✓				
6	Entry to toilet building		✓			1	
7	Exit to toilet building		✓			1	
8	Menstrual Hygiene facilities		✓			1	
9	Students to **WASH** ratio	Toilet taps:		Male	#:1	Female	#: 1

Comments

- There are no Disability toilets for both male and female toilets

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

BUILDING 4: EXISTING BUILDING INFORMATION

Building Index	B4: Classrooms & Girls Toilet (for classes 1-4)		Year built: Unknown
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.		No. of Levels: 1
Dimensions	Length (m): 24.1	Width (m): 5.4	Height (m): 3.7 (from eaves end)

Existing State of Building

REF. No.	Building Component	Good[30]	Fair[31]	Poor[32]	Structure Type [33]	Comments	
1	Roof Lining		✓		Steel		
2	Roof Structure		✓		Timber		
3	Walls		✓		Masonry		
4	Columns		✓		Concrete		
5	Beams		✓		Concrete		
6	Floor		✓		Timber		
7	Handrails			✓	N/A	No Handrails	
8	Walkway(s)		✓		Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			6 taps	Student – tap ratio = 5:1
11	Services – electricity			✓		Faulty Lights	
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor and walls.
- No Fire Extinguishers available.
- No Fire hose reels installed along the veranda.
- Cyclone mesh shutters present on one side only.
- Damaged timber floors
- Leaking roof
- The timber is deteriorating
- A sample classroom was chosen, the dimensions are as follows:
  - Length (m): 9.25, Width (m): 6.7, Height (m): 3.2

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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	**B4 – Classrooms & Girls Toilet**	
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.	**No. of Levels: 1**

Dimensions	**Length (m):**	**Width (m):**	**Height (m):**

Existing State of Building

REF. No.	Building Component	Good [34]	Fair[35]	Poor[36]	Structure Type [37]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Concrete	2.3m Wide	
3	Handrails			✓	N/A		
	Doors and Door Size (typical)		✓		Timber	1.6m Wide	
4	Stairway				N/A	N/A	
5							

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor and walls.
- The school shall provide disability provisions if there is a demand to provide these provisions.

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

TOILET BLOCK

Building Index	B4 – Female Toilet						
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.					No. of Levels: 1	
Dimensions	Length (m):		Width (m):			Height (m):	
Existing State of Building							
REF. No.	**Building Component**	**Good[38]**	**Fair[39]**	**Poor[40]**	**Structure Type [41]**	**Count [42]**	**Comments**
1	Toilet Bays – male			✓		N/A	No boy's toilet
2	Toilet Bays – female		✓			7	7 bays
3	Toilet Partition between boys and girls.						
4	Shower bay		✓			4	
5	Toilet Bays – accessible		✓				
6	Entry to toilet building		✓			1	
7	Exit to toilet building		✓			1	
8	Menstrual Hygiene facilities			✓		0	
9	Students to **WASH** ratio	Toilet taps:		Male	5:1	Female	5:1

Comments

- There was no menstrual bin in the female toilet, instead there was a rubbish bin present.
- There are no Disability toilets for the female toilets.

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

BUILDING 5: EXISTING BUILDING INFORMATION

Building Index	B5: Classrooms, Storage & Staff Toilets	Year built: Unknown	
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.		No. of Levels: 1
Dimensions	Length (m): 28.5	Width (m): 9.1	Height (m): 3.6 (from eaves end)

Existing State of Building

REF. No.	Building Component	Good[43]	Fair[44]	Poor[45]	Structure Type [46]	Comments	
1	Roof Lining		✓		Steel	Could not be accessed during the inspection.	
2	Roof Structure		✓		Timber		
3	Walls		✓		Masonry		
4	Columns		✓		Concrete		
5	Beams		✓		Concrete		
6	Floor		✓		Concrete		
7	Handrails			✓	N/A	No Handrails	
8	Walkway(s)		✓		Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			10 taps	Student – tap ratio = 5:1
11	Services – electricity			✓		No working lights nor fans	
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor.
- Leaking roof
- Cyclone mesh shutters at some locations only.
- There were no Fire extinguishers available.
- A sample classroom was chosen, the dimensions are as follows:
  - Length (m): 8.9, Width (m): 6.5, Height (m): 3.1

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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	B5 – Classrooms, Storage & Staff Toilets	
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.	No. of Levels: 1

Dimensions	Length (m):	Width (m):	Height (m):

Existing State of Building

REF. No.	Building Component	Good [47]	Fair[48]	Poor[49]	Structure Type [50]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Concrete	2.1m Wide	
3	Handrails			✓	N/A		
	Doors and Door Size (typical)		✓		Timber	1.5m Wide	
4	Stairway			✓	N/A	N/A	
5							

Comments

- The school shall provide disability provisions if there is a demand to provide these provisions.

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

TOILET BLOCK

Building Index	B5 – Staff Toilets		
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.		No. of Levels: 1
Dimensions	Length (m):	Width (m):	Height (m):

Existing State of Building

REF. No.	Building Component	Good[51]	Fair[52]	Poor[53]	Structure Type [54]	Count [55]	Comments
1	Toilet Bays – male		✓			1	
2	Toilet Bays – female		✓			1	
3	Toilet Partition between boys and girls.						
4	Shower bay			✓		0	
5	Toilet Bays – accessible		✓				
6	Entry to toilet building		✓			1	
7	Exit to toilet building		✓			1	
8	Menstrual Hygiene facilities		✓			1	
9	Students to **WASH** ratio	Toilet taps:		Male	5:1	Female	5:1

Comments

- There was a rubbish bin present in both male and female staff toilet.
- There are no Disability toilets for the female toilets.

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

BUILDING 6: EXISTING BUILDING INFORMATION

Building Index	B6: Classrooms & Boys Toilet (for classes 1-4)	Year built: Unknown	
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.		No. of Levels: 1
Dimensions	Length (m): 24.3	Width (m): 9.1	Height (m): 3.7 (from eaves end)

Existing State of Building

REF. No.	Building Component	Good[56]	Fair[57]	Poor[58]	Structure Type [59]	Comments	
1	Roof Lining		✓		Steel	Could not be accessed during the inspection.	
2	Roof Structure		✓		Timber		
3	Walls		✓		Masonry		
4	Columns		✓		Concrete		
5	Beams		✓		Concrete		
6	Floor		✓		Timber		
7	Handrails			✓	N/A	No Handrails	
8	Walkway(s)		✓		Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			0 taps	Student – tap ratio = #: 1
11	Services – electricity			✓		Faulty lights	
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor and walls.
- Cyclone mesh shutters at one side only.
- Ceiling and timber floor are sagging.
- There were no Fire extinguishers available.
- A sample classroom was chosen, the dimensions are as follows:
  - Length (m): 9.1, Width (m): 6.8, Height (m): 3.2

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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	B6: Classrooms & Boys Toilet (for classes 1-4)	
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.	No. of Levels: 1

Dimensions	Length (m):	Width (m):	Height (m):

Existing State of Building

REF. No.	Building Component	Good [60]	Fair[61]	Poor[62]	Structure Type [63]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Concrete	2.1m Wide	
3	Handrails			✓	N/A		
	Doors and Door Size (typical)		✓		Timber	1.5m Wide	
4	Stairway			✓	N/A	N/A	
5							

Comments

- The school shall provide disability provisions if there is a demand to provide these provisions.

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

TOILET BLOCK

Building Index	B6 – Classrooms & Boys Toilet (for classes 1-4)							
Type:	Single storey concrete structure that consists of reinforced concrete columns and beams with masonry external walls and timber framed roof structure.						No. of Levels: 1	
Dimensions	Length (m):		Width (m):				Height (m):	
Existing State of Building								
REF. No.	**Building Component**	**Good[64]**	**Fair[65]**	**Poor[66]**	**Structure Type [67]**	**Count [68]**	**Comments**	
1	Toilet Bays – male		✓			7	4 bays & 3 urinals	
2	Toilet Bays – female			✓		N/A		
3	Toilet Partition between boys and girls.							
4	Shower bay		✓			6		
5	Toilet Bays – accessible		✓					
6	Entry to toilet building		✓			1		
7	Exit to toilet building		✓			1		
8	Menstrual Hygiene facilities			✓		N/A		
9	Students to **WASH** ratio	Toilet taps:		Male	5:1	Female	5:1	

Comments

- There's no door to the toilet.
- There are no disability toilets for the boy's toilets.

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

BUILDING 7: EXISTING BUILDING INFORMATION

Building Index	B7: Classrooms		Year built: Unknown	
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.			No. of Levels: 1
Dimensions	Length (m): 17.6	Width (m): 9.5		Height (m): 4.0 (from eaves end)

Existing State of Building

REF. No.	Building Component	Good[69]	Fair[70]	Poor[71]	Structure Type [72]	Comments	
1	Roof Lining		✓		Steel	Could not be accessed during the inspection.	
2	Roof Structure		✓		Timber		
3	Walls		✓		Timber		
4	Columns		✓		Timber		
5	Beams		✓		Timber		
6	Floor		✓		Timber		
7	Handrails		✓		Timber		
8	Walkway(s)		✓		Concrete		
9	Services – water supply			✓			
10	Available taps for general use			✓		tap	Student – tap ratio = #: 1
11	Services – electricity			✓		Lights are not working	
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor and stairs.
- Cyclone mesh shutters present at one side only.
- Raking ceiling.
- Timber floor beam deteriorated.
- There were no Fire extinguishers available.
- A sample classroom was chosen, the dimensions are as follows:
  - Length (m): 8.5, Width (m): 6.8, Height (m): 2.7

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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	**B7 – Classrooms**	
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.	**No. of Levels: 1**

Dimensions	**Length (m):**	**Width (m):**	**Height (m):**

Existing State of Building

REF. No.	Building Component	Good [73]	Fair[74]	Poor[75]	Structure Type [76]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Concrete	2.3m Wide	
3	Handrails		✓		Timber	1.1m Height	
	Doors and Door Size (typical)		✓		Timber	1.2m Wide	
4	Stairway			✓	N/A	N/A	
5							

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor.
- The school shall provide disability provisions if there is a demand to provide these provisions.

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

BUILDING 8: EXISTING BUILDING INFORMATION

Building Index	B8: Toilet Block		Year built: Unknown
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.		No. of Levels: 1
Dimensions	Length (m): 3.2	Width (m): 2.6	Height (m): 2.5 (from eaves end)

Existing State of Building

REF. No.	Building Component	Good[77]	Fair[78]	Poor[79]	Structure Type [80]	Comments	
1	Roof Lining		✓		Steel	Could not be accessed during the inspection.	
2	Roof Structure		✓		Timber		
3	Walls		✓		Timber		
4	Columns		✓		Timber		
5	Beams		✓		Timber		
6	Floor		✓		Concrete		
7	Handrails			✓	N/A	No Handrails	
8	Walkway(s)			✓			
9	Services – water supply		✓				
10	Available taps for general use		✓			1 tap	Student – tap ratio = 10:1
11	Services – electricity		✓				
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs.

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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	**B8 – Toilet Block**		
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.		**No. of Levels: 1**
Dimensions	**Length (m):**	**Width (m):**	**Height (m):**

Existing State of Building

REF. No.	Building Component	Good [81]	Fair[82]	Poor[83]	Structure Type [84]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space			✓	N/A		
3	Handrails			✓	N/A		
	Doors and Door Size (typical)			✓	N/A		
4	Stairway				N/A	N/A	
5							

Comments

- No disability toilet.
- The school shall provide disability provisions if there is a demand to provide these provisions.

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

TOILET BLOCK

Building Index	B8 – Toilet Block		
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.		No. of Levels: 1
Dimensions	Length (m):	Width (m):	Height (m):

Existing State of Building

REF. No.	Building Component	Good[85]	Fair[86]	Poor[87]	Structure Type [88]	Count [89]	Comments
1	Toilet Bays – male		✓			1	1 bay & no urinal
2	Toilet Bays – female		✓			1	
3	Toilet Partition between boys and girls.		✓				
4	Shower bay			✓		0	
5	Toilet Bays – accessible		✓				
6	Entry to toilet building		✓			1	
7	Exit to toilet building		✓			1	
8	Menstrual Hygiene facilities			✓		N/A	
9	Students to **WASH** ratio	Toilet taps:		Male	5:1	Female	5:1

Comments

- There was 1 shared wash basin.
- There are no disability toilets.

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

BUILDING 9: EXISTING BUILDING INFORMATION

Building Index	B9: Classrooms, Office & Library		Year built: Unknown	
Type:	Single storey concrete structure that consists of reinforced concrete and steel columns and beams with masonry external walls and timber framed roof structure.			No. of Levels: 2
Dimensions	Length (m): 19	Width (m): 12.5		Height (m): 5.4 (from eaves end)

Existing State of Building

REF. No.	Building Component	Good[90]	Fair[91]	Poor[92]	Structure Type [93]	Comments	
1	Roof Lining		✓		Steel	Could not be accessed during the inspection.	
2	Roof Structure		✓		Timber		
3	Walls		✓		Masonry		
4	Columns		✓		Concrete & Steel		
5	Beams		✓		Concrete & Steel		
6	Floor		✓		Concrete		
7	Handrails			✓	Steel		
8	Walkway(s)		✓		Concrete		
9	Services – water supply			✓			
10	Available taps for general use			✓		0 tap	Student – tap ratio = #: 1
11	Services – electricity		✓			Lights, aircon and fans are working	
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor.
- Cracks are visible on the walls at some locations.
- No cyclone mesh shutters.
- Damaged & rusted Handrails.
- No fire extinguishers
- No fire hose reel installed along the veranda.
- A sample classroom was chosen, the dimensions are as follows:
  - Length (m): 7.0, Width (m): 6.3, Height (m): 2.7
  - Computer Lab - Length (m): 6.9, Width (m): 6.2, Height (m): 2.85

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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	**B9 – Classrooms, Office & Library**	
Type:	Single storey concrete structure that consists of reinforced concrete and steel columns and beams with masonry external walls and timber framed roof structure.	**No. of Levels: 2**

Dimensions	**Length (m):**	**Width (m):**	**Height (m):**

Existing State of Building

REF. No.	Building Component	Good [94]	Fair[95]	Poor[96]	Structure Type [97]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Concrete	2.5m Wide	
3	Handrails			✓	Steel	1.1m Height	Damaged & rusted
	Doors and Door Size (typical)		✓		Timber	800mm Wide	
4	Stairway		✓		Concrete	N/A	
5							

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor.
- Door Size is not wide enough. Does not meet disability accessibility requirements.
- The school shall provide disability provisions if there is a demand to provide these provisions.

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

BUILDING 10: EXISTING BUILDING INFORMATION

Building Index	B10: Classrooms		Year built: Unknown	
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.			No. of Levels: 1
Dimensions	Length (m): 10.2	Width (m): 10.6		Height (m): 4.0 (from eaves end)

Existing State of Building

REF. No.	Building Component	Good[98]	Fair[99]	Poor[100]	Structure Type [101]	Comments	
1	Roof Lining		✓		Steel	Could not be accessed during the inspection.	
2	Roof Structure		✓		Timber		
3	Walls		✓		Timber		
4	Columns		✓		Timber		
5	Beams		✓		Timber		
6	Floor		✓		Timber		
7	Handrails			✓	N/A		
8	Walkway(s)		✓		Concrete		
9	Services – water supply			✓			
10	Available taps for general use			✓		0 tap	Student – tap ratio = #: 1
11	Services – electricity			✓		Faulty Lights	
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor.
- No cyclone mesh shutters.
- Not all the lights were working.
- Missing louvers.
- No fire extinguishers
- A sample classroom was chosen, the dimensions are as follows:
  - Length (m): 9.6, Width (m): 6.3, Height (m): 2.7

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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	B10 – Classrooms	
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.	No. of Levels: 1

Dimensions	Length (m):	Width (m):	Height (m):

Existing State of Building

REF. No.	Building Component	Good [102]	Fair[103]	Poor [104]	Structure Type [105]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Concrete	1.8m Wide	
3	Handrails			✓		N/A	
	Doors and Door Size (typical)		✓		Timber	750mm Wide	
4	Stairway					N/A	
5							

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor.
- Door Size is not wide enough. Does not meet disability accessibility requirements.
- The school shall provide disability provisions if there is a demand to provide these provisions.

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

BUILDING 11: EXISTING BUILDING INFORMATION

Building Index	B11: Classrooms		Year built: Unknown	
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.			No. of Levels: 1
Dimensions	Length (m): 34.6	Width (m): 9.9		Height (m): 3.5 (from eaves end)

Existing State of Building

REF. No.	Building Component	Good [106]	Fair[107]	Poor[108]	Structure Type [109]	Comments	
1	Roof Lining		✓		Steel	Could not be accessed during the inspection.	
2	Roof Structure		✓		Timber		
3	Walls		✓		Timber		
4	Columns		✓		Timber		
5	Beams		✓		Timber		
6	Floor		✓		Timber		
7	Handrails			✓	N/A		
8	Walkway(s)		✓		Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			10 taps	Student – tap ratio = #: 1
11	Services – electricity		✓				
12	Services – communication (internet)		✓			Wireless Connection	
13	Drainage		✓				

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor.
- Cyclone mesh shutters present.
- Timber was deteriorating
- Sagging floors & ceiling
- No fire extinguishers
- A sample classroom was chosen, the dimensions are as follows:
  - Length (m): 8.3, Width (m): 6.7, Height (m): 2.5

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

EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Building Index	B11 – Classrooms	
Type:	Single storey timber structure that consists of timber columns and beams with timber external walls and timber framed roof structure.	No. of Levels: 1

Dimensions	Length (m):	Width (m):	Height (m):

Existing State of Building

REF. No.	Building Component	Good [110]	Fair[111]	Poor [112]	Structure Type [113]	Dimensions (m)	Comments
1	Ramps			✓		N/A	No disability accessibility
2	Walkway clearance space		✓		Concrete	2.9m Wide	
3	Handrails			✓		N/A	
	Doors and Door Size (typical)		✓		Timber	750mm Wide	
4	Stairway					N/A	
5							

Comments

- Surface cracks (i.e. hairline cracks) are visible along the floor slabs along the corridor.
- Door size is not wide enough. Does not meet disability accessibility requirements.
- The school shall provide disability provisions if there is a demand to provide these provisions.

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

5.) PHOTOGRAPHIC REPORT

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DRAIBA PRIMARY SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B1**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: ROOF SPACE

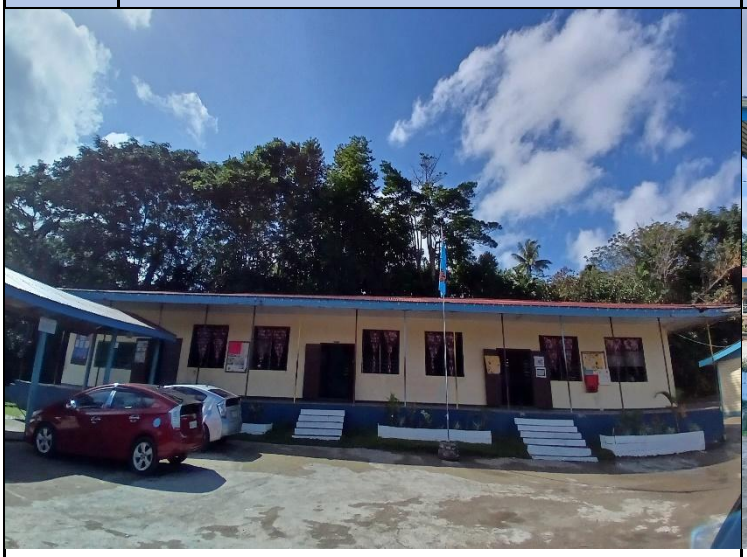
- There were no toilet bays for the building.

PHOTOGRAPH NO 7 - TOILETS

- No taps available

PHOTOGRAPH NO 8 – TAPS

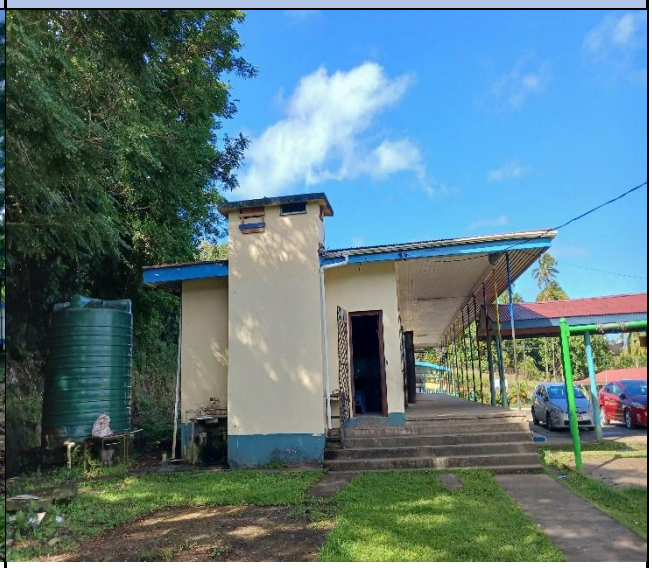
Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B2



PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK



PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

- No pictures were taken due to lack of roof access.

PHOTOGRAPH No. 6: ROOF SPACE

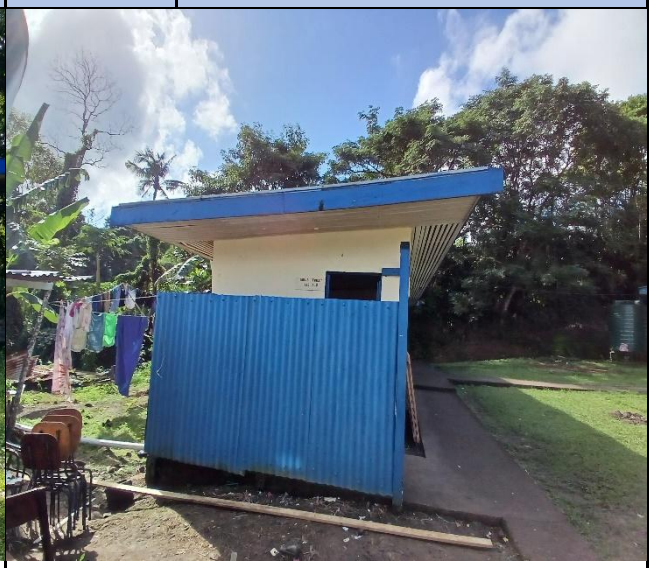
- There were no toilet bays for the building.

PHOTOGRAPH NO 7 - TOILETS

PHOTOGRAPH NO 8 – TAPS

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B3

PHOTOGRAPH No. 1: FRONT



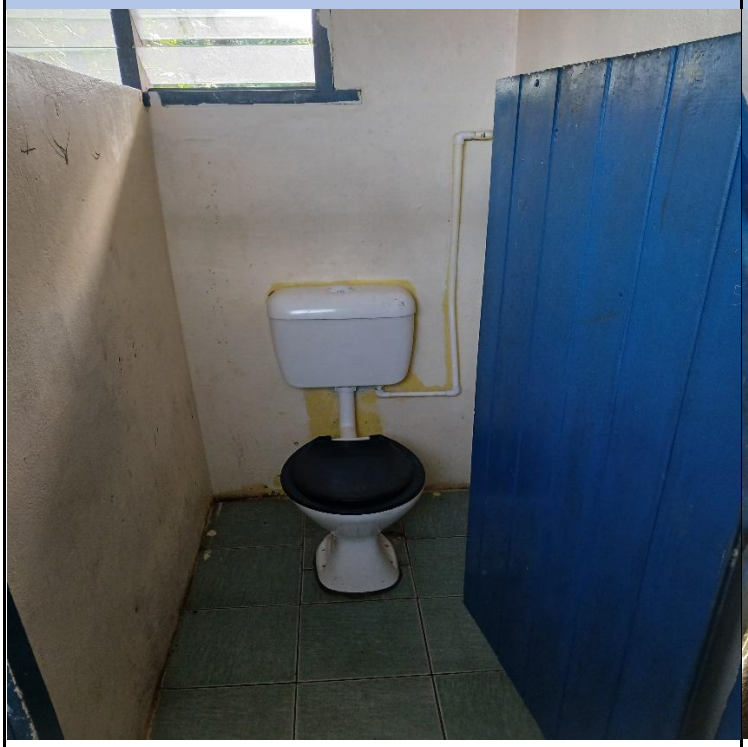
PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: ROOF SPACE



PHOTOGRAPH NO 7 - TOILETS

PHOTOGRAPH NO 8 - TAPS

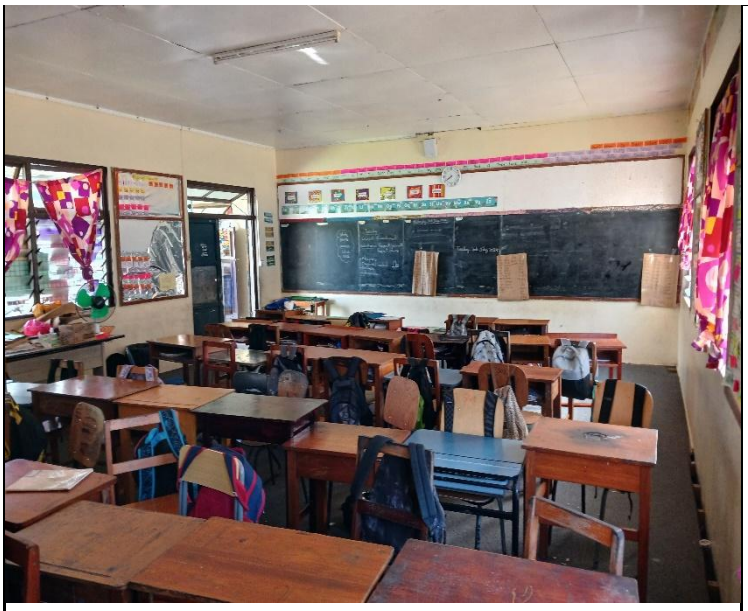
Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B4

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE



PHOTOGRAPH No. 5: INTERIOR

- No pictures were taken due to no roof access.

PHOTOGRAPH No. 6: ROOF SPACE

PHOTOGRAPH NO 7 - TOILETS

PHOTOGRAPH NO 8 – TAPS

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B5

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: ROOF SPACE

PHOTOGRAPH NO 7 - TOILETS

PHOTOGRAPH NO 8 - TAPS

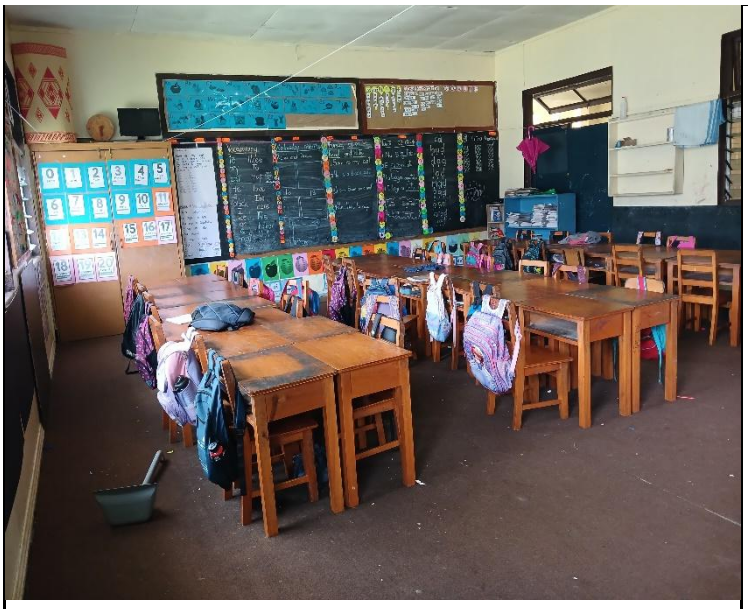
Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B6

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE



PHOTOGRAPH No. 5: INTERIOR

- No pictures were taken due to no roof access.

PHOTOGRAPH No. 6: ROOF SPACE

PHOTOGRAPH NO 7 - TOILETS

PHOTOGRAPH NO 8 - TAPS

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B7

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

- No pictures were taken due to no roof access.

PHOTOGRAPH No. 6: ROOF SPACE

- There were no toilet bays for the building.

PHOTOGRAPH NO 7 - TOILETS

- No taps available

PHOTOGRAPH NO 8 - TAPS

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B8

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

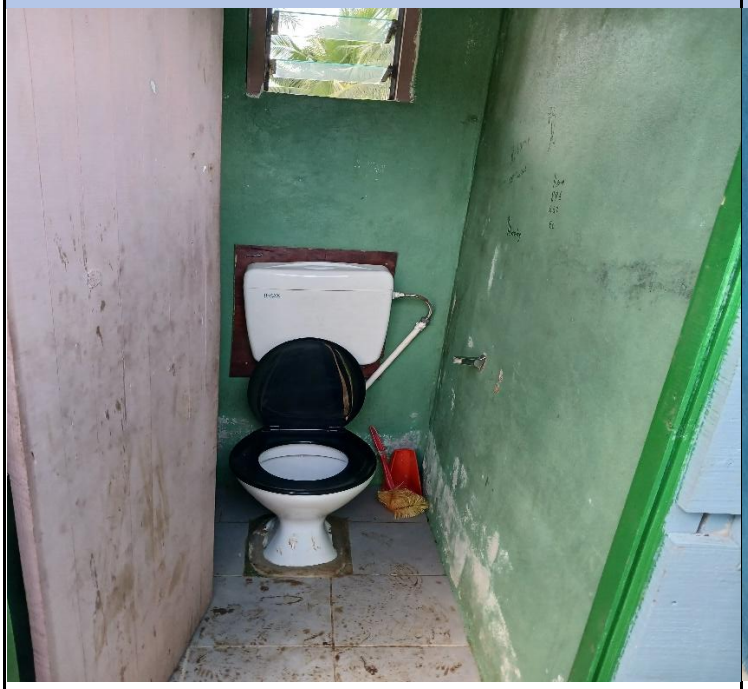
PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

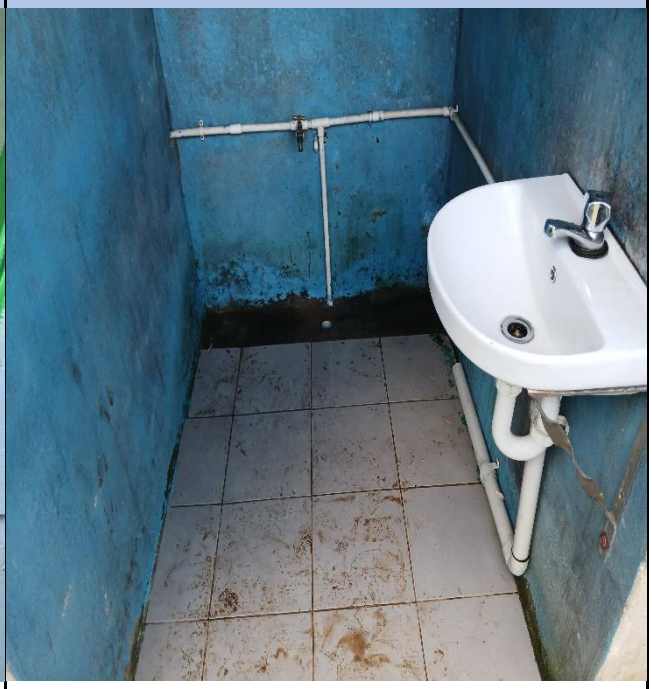
PHOTOGRAPH No. 5: INTERIOR

- No pictures were taken due to no roof access.

PHOTOGRAPH No. 6: ROOF SPACE

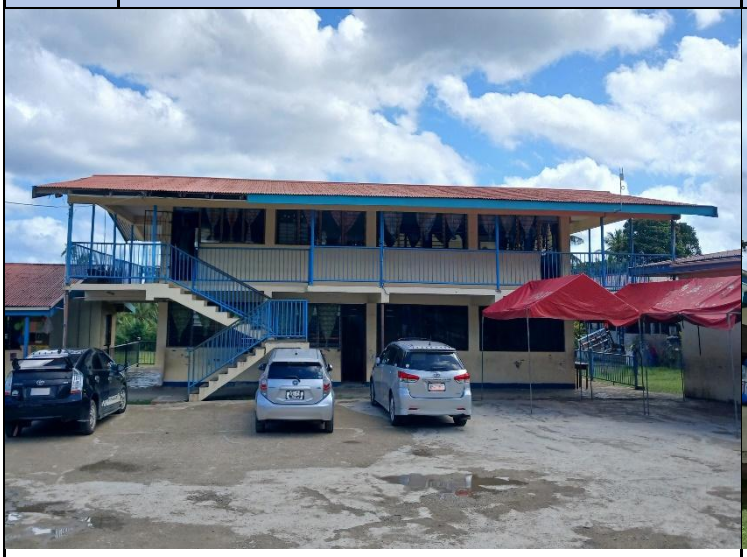


PHOTOGRAPH NO 7 - TOILETS



PHOTOGRAPH NO 8 - TAPS

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B9



PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

- No pictures were taken due to no roof access.

PHOTOGRAPH No. 6: ROOF SPACE

- There were no toilet bays for the building.

PHOTOGRAPH NO 7 - TOILETS

- No taps available

PHOTOGRAPH NO 8 - TAPS

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B10

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

- No pictures were taken due to no roof access.

PHOTOGRAPH No. 6: ROOF SPACE

- There were no toilet bays for the building.

PHOTOGRAPH NO 7 - TOILETS

- No taps available.

PHOTOGRAPH NO 8 - TAPS

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DRAIBA PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B11

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

- No pictures were taken due to no roof access.

PHOTOGRAPH No. 6: ROOF SPACE

- There were no toilet bays for the building.

PHOTOGRAPH NO 7 - TOILETS

PHOTOGRAPH NO 8 - TAPS

Appendix B – Excel Scoring Sheet

	WEIGHTED CRITERIA		
1	**PART A - CLASSROOM OVERCROWDING (40%)** **Classrooms facilitating students beyond room capacity, determined through number of students per classroom and classroom size**		
	Fair - some classrooms are accommodating students above capacity.	24 to 31	**31**
	Criteria Item Score		**31.0**
2	**PART B - WASH FACILITIES (20%)** **WASH- Student ratio based on the Fiji National Building Code (FNBC) Infrastructure Standards (10%)**		
	Fair - WASH-Student ratio for school toilet blocks slightly falls below the ratio in the standard specified by FNBC.	6 to 7.9	**7**
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		**15.0**
3	**PART C - CONDITION OF INFRASTRUCTURE (20%)** **Building structure and condition of walls, floors, ceilings, overall structural integrity (10%)**		
	Poor - all building structures need remedial work to improve structural integrity and condition.	8 to 10	**8**
3.1	**Maintenance and assessment of the upkeep of facilities including painting and repairs (10%)**		
	Poor - school facilities are not maintained and the physical infrastructure cause major disturbances to end users.	8 to 10	**8**
	Criteria Item Score		**16.0**
4	**PART D - DISABILITY ACCESSIBILITY (10%)** **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%)** **Presence and quality of measures for disaster resilience of buildings including structural measures, cyclone shutters and fire safety systems**		
	Fair - some school building structures are not resilient to natural disasters and do not have safety systems in place.	6 to 7.9	**6**
	Criteria Item Score		**6.0**
	TOTAL CRITERIA SCORE		**78.0**

Appendix C – Land Available for Expansion

NRW MACALLAN (FIJI) LTD
CONSULTING ENGINEERS

CIVIL, STRUCTURAL, ELECTRICAL, MECHANICAL & PROJECT MAMAGEMENT
79 RATU MARA ROAD, SAMABULA, SUVA.
P O BOX 1208, SUVA. PHONE: (679) 3313 388, FAX (679) 3302903
EMAIL: info@nrwmacallan.com.fj

SCHOOL NAME:

DRAIBA PRIMARY SCHOOL