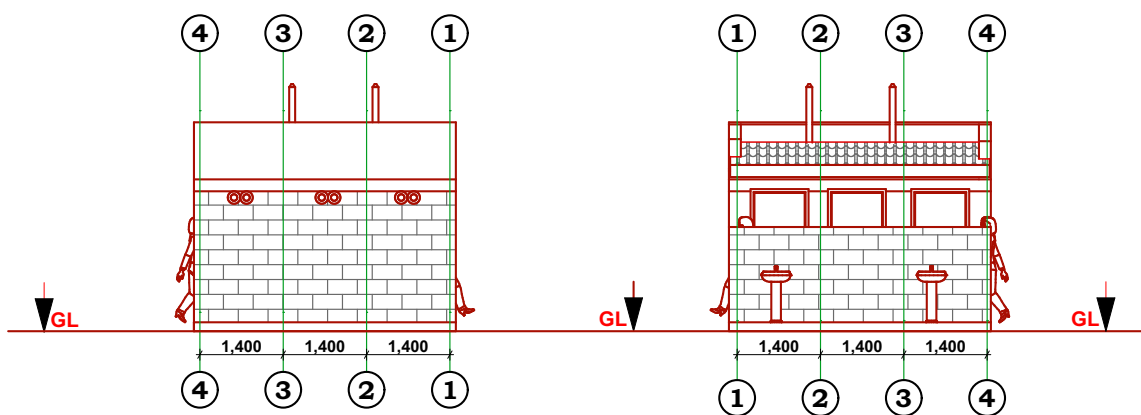


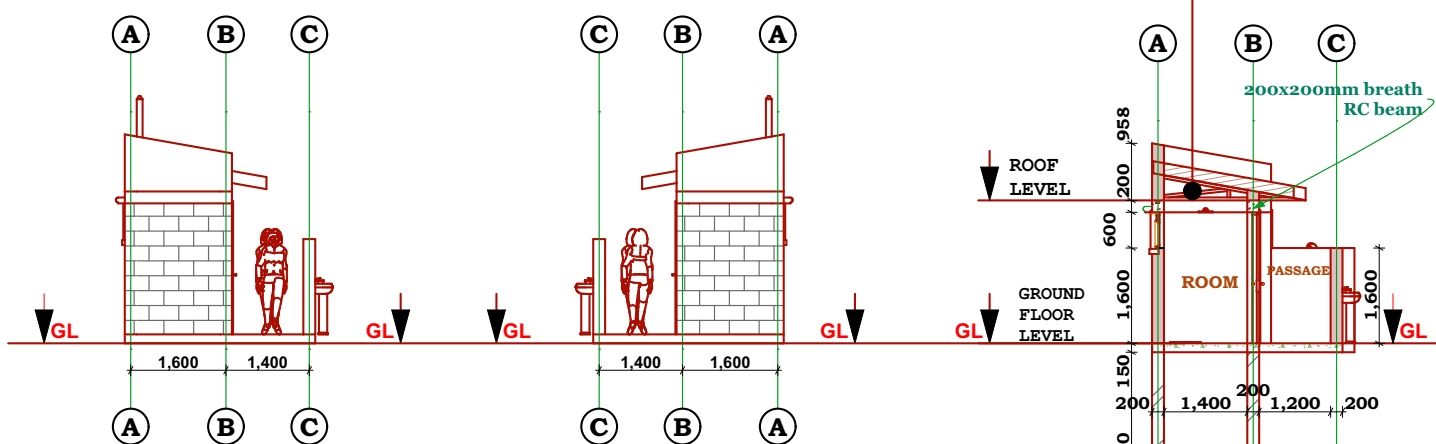


ELEVATION -01-

ELEVATION -03-

ROOF SPECIFICATIONS
ROOF PITCH 10°
28G APPROVED CORRUGATION G.C.I. ROOFING SHEET ON
50x45x2mm PURLINS @ 1200mm C/C.
NAILED ON TRUSSES & RAFTERS TO S.E.DETAILS
TRUSSES TO BE AT APPROPRIATE CRS.
12MM RAW BOLTS CAST INTO BEAM AT 1200C/C
200X300mm R.C. RING BEAM TO S.E.DETAILS
T&G BOARDING TO ALL EAVES.
250X37mm FASCIA BOARD.
ALL TIMBER TO BE CELCURED

WALL SPECIFICATION
200mm thick dressed quarry stone
1:3 cement/sand mortar
plastered and painted to approval.
200mm bituminous felt dpc
25mm hoop iron for walls less 200mm thick
12mm flexcell expansion joint where applicable

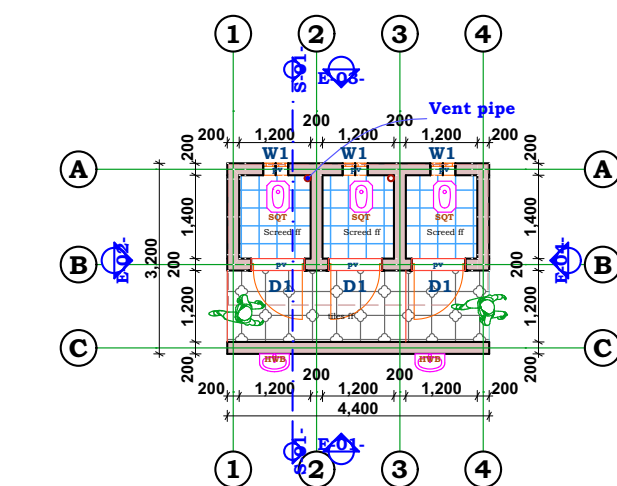


ELEVATION -02-

ELEVATION -04-

Door List	
Door Name	Door 18
Quantity	5
W x H Size	900x2,200
Door head height	2,200
2D Symbol	
View from Side Opposite to Opening Side	

Window List	
Window Name	Window 18
Quantity	2
From Room Number	
W x H Size	600x600
Window sill height	1,600
Window head height	2,200
2D Symbol	
View from Side Opposite to Opening Side	



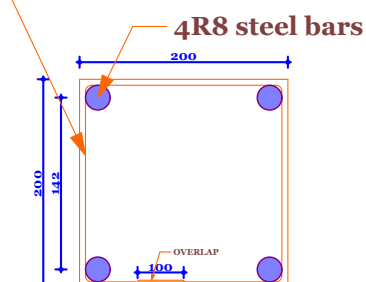
GROUND FLOOR PLAN AREA =14.08M²(APPROX) SCALE 1:100.

FOUNDATION NOTES.
DAMP PROOF COURSE UNDER ALL WALLS ABOVE 150mm ON GROUND FLOOR.
50mm CONCRETE FLOOR SLAB ON 1000 GAUGE POLYTHENE SHEET ON
50 mm BLINDING LAYER WITH TERMITE CONTROL ON
4.5m deep x 200mm THICK STONE FOUNDATION WALLING ON
600 x 200mm CONC. STRIP FOUNDATION TO STR. ENG'S DETAILS ON
50 mm BLINDING LAYER.
FOUNDATION TO BE LAID ON A HARD GROUND.

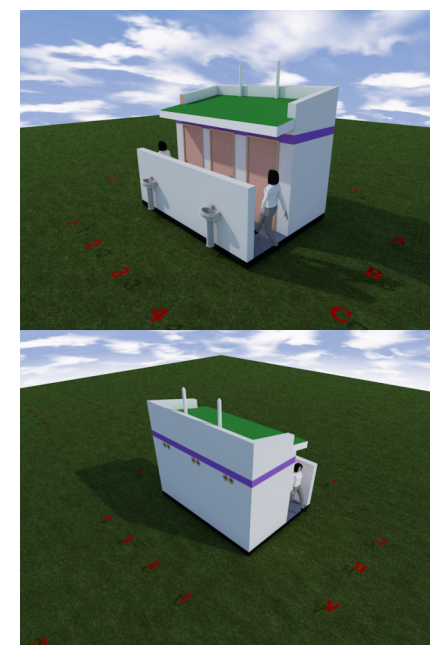
SECTION -01-

200mm thick machine cut quarry stone walling

R6 steel bars @ 200mm c/c Rings.



Beam details



3D PROJECTIONS

NOTES .
All dimintions are in mm unless otherwise specified.

Drawings are not to be scaled.
Only figured dimintions tobe used.

The contractor check and verify all the dimensions before commencement of work.

MECHANICAL

All plumbing & drainege work to comply with P. H specifications.

All service ducts to be accessible from all floors.
S. V. P denotes soil vent pipes and to be provided at the head of the drainage.

Drains passing beneath buildings and driveways should be encased in 150mm concrete sorround.

All underground foul & waste drain pipes shall be of PVC, to comply with BS5255.

All inspection chamber covers and frames shall be cast iron to comply with BS.497 Table 2 Grade A .

The storm water drain pipes to comply with BS. 556.
Minimum slope in drain pipes to be 1%.
No Chases for pipes will be allowed in the slabs.

Sleeves will be allowed with written approval from the SE.
No cutting of concrete without express approval from the Architect or SE.

All testing of pipes must be coodinated with electrical conduites and any conflicts must be clarified before work begins.

P. V denotes - permanent vents.

project:
PROPOSED CONSTRUCTION OF 3NO. DOORS PIT LATRINES AT LOBOLO PRIMARY SCHOOL-TURKANA CENTRAL SUB-COUNTY
for: M/S
title:
- GROUND FLOOR PLAN, ELEVATIONS & SECTION DETAILS.

department:

client:

drawn & designed:
R.Wanjala

approval:
.....

scale:
1:100
1:250
1:2500

date:
October. 2025.

drawing no:
2025/ 1 2

**PROPOSED CONSTRUCTION OF 3 NO. DOORS GIRLS VIP PIT LATRINE BLOCK AT LOBOLO ECDE SCHOOL-TURKANA
CENTRAL SUB COUNTY, TURKANA COUNTY.**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>LATRINE</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES</u>				
	<u>EXCAVATIONS AND EARTH WORKS</u>				
	<u>Site clearance</u>				
A	Clear the site off grass, shrubs and all vegetation; cart away as directed.	20	SM		
B	Excavate oversite average 150mm deep to remove top soil turf and away	4	SM		
C	Excavate to reduce levels average 300mm deep commencing from stripped level and cart away	5	CM		
D	Excavate for foundation trenching stating from reduced levels not exceeding 1.5m deep.	24	CM		
E	Excavate for foundation trenching stating from 1.5m deep to and not exceeding 1.5m deep.	24	CM		
F	Extra -over excavation in any position for excavation in rock		ITEM		
G	Remove surplus excavated materials from site	48	CM		
H	Return, fill in andwell ran selected excavated materials round the excavative	9	CM		
J	Allow for keeping the whole of excavations from all water during excution of the works by pumping or other such means as may be necessary		ITEM		
K	Allow for upholding sides of excavation against collapse from whatever cause during execution of the wake by planking and strutting of other such means as may be necessary.		ITEM		
L	Treat surface of hardcore with "Aldrex" or equal and approved in insecticide treatment	25	SM		
	TOTAL CARRIED TO COLLECTION				

**PROPOSED CONSTRUCTION OF 3 NO. DOORS GIRLS VIP PIT LATRINE BLOCK AT LOBOLO ECDE SCHOOL-TURKANA
CENTRAL SUB COUNTY, TURKANA COUNTY.**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Concrete</u>				
A	100mm thick mass concrete class (1:3:6) to bottom of pits	1	CM		
B	200mm thick natural stone foundation walls bedded in cement sand (1:3) with hooping in every alternate course.	50	SM		
C	Ditto but superstructure walling	45	SM		
	<u>Guaranted strength vibrated reinforced concrete class 20-20mm aggregate in :-</u>				
D	150mm thick horizontal surface bed	3	CM		
	<u>B.R.C Mesh</u>				
E	Supply wire fabric mesh reinforcement complying with B.S 4483 Ref A 198 embeded in floor slab (measured net with no allowance for minimum of 225mm laps) including necessary tying wires and supporting as required.	15	SM		
F	Hessian based bituminous felt horizontal damp proof course laid on and including levelled cement and sand (1:4) mortar to received 200mm thick walls	20	LM		
G	Ditto but DPM	15	SM		
H	Sawn formwork to Edges of suspended slab 150-225mm high.	16	LM		
	<u>Plinth</u>				
J	25mm Thick; 2No coatwork to concrete base or masonry surface Concrete or masonry walling.	8	SM		
	<u>Two coats; black bituminous paints to:-</u>				
K	Rendered surfaces	8	SM		
	TOTAL CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
1	Brought forward from page TC/1				
2	Brought forward from Above				
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
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**PROPOSED CONSTRUCTION OF 3 NO. DOORS GIRLS VIP PIT LATRINE BLOCK AT LOBOLO ECDE SCHOOL-TURKANA
CENTRAL SUB COUNTY, TURKANA COUNTY.**

	<u>ELEMENT 02</u>				
	<u>SUPERSTRUCTURES</u>				
	<u>Frame :Concrete work</u>				
	<u>Guarenteed strength vibrated reinforced concrete class 20-20mm aggregate in:-</u>				
A	Ringbeam.	3	CM		
	<u>Reinforcemet</u>				
	<u>Bars; high yield steel; cold worked to B.S 449 including hooks, bends, tying wire and distance blocks.</u>				
B	D 12 mm bars	135	Kgs		
C	D 8mm bars	105	Kgs		
D	Columns	1	CM		
E	D 12 mm bars	20	Kgs		
F	D 8mm bars	35	Kgs		
	<u>Sawn formwork to insitu concrete as descriped:</u>				
G	To sides of ringbeam	20	SM		
H	Ditto but to columns	15	SM		
	<u>WALLING</u>				
	<u>APPROVED NATURAL STONE WALLING IN CEMENT AND SAND (1.4) MORTAR IN :-</u>				
J	200mm thick walls with hoop iron in every alternate course including gable ends & parapet wall	15	SM		
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 03</u>				

**PROPOSED CONSTRUCTION OF 3 NO. DOORS GIRLS VIP PIT LATRINE BLOCK AT LOBOLO ECDE SCHOOL-TURKANA
CENTRAL SUB COUNTY, TURKANA COUNTY.**

	<u>ROOFING</u>				
	<u>CARPENTRY</u>				
	<u>The following in sawn celclured cypress</u>				
A	100X 50mm rafters .	10	LM		
B	Ditto but king post	2	LM		
C	100 x 50mm wallplate rag-boldded at 1200mm centers with 12mm diameter bolts (m/s).	15	LM		
D	50 x 50mm sawn cypress purlins.	15	LM		
E	Ditto but struts	6	LM		
	<u>ROOF COVERINGS</u>				
F	Galvanized corrugated Iron-Sheet; 28 gauge; Pre-painted Roof covering:	15	SM		
	<u>Wrot cypress</u>				
G	250x25mm facia board	5	LM		
	<u>Painting and Decorating</u>				
	<u>Prepare, knot, prime, stop, and apply undercoat two finishing coats of first grade super Gloss paint on woodwork.</u>				
H	Surface 200-300mm girth	18	LM		
	<u>Ventpipe</u>				
J	100mm daimeter ventpipe complete with its cap.	12	LM		
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>DOORS</u>				
	<u>Single leaf door</u>				

**PROPOSED CONSTRUCTION OF 3 NO. DOORS GIRLS VIP PIT LATRINE BLOCK AT LOBOLO ECDE SCHOOL-TURKANA
CENTRAL SUB COUNTY, TURKANA COUNTY.**

A	50 mm thick T-door single leaf size 900 x2100mm overal height	3	NO		
	<u>Door frames and finishings Wrot mehogamy</u>				
B	Ex 150 x 50 mm frame with two labours plugged and screwed to the wall	25	LM		
C	40 x 20 mm moulded architrave plugged and screwed to wall	25	LM		
D	Ex 20 diameter quadrant filler ditto	25	LM		
	<u>Iron mongery</u>				
	<u>Supply and fix the following iron mongery with matchings screws and al necessary furnitures</u>				
E	Pairs -100 mm long brass but hinges	5	PRS		
F	Brass tower bolts 200mm thick	3	NO		
G	38 mm diameter rubber doorstop with rawbolt fixed to concrete floor or walling	3	NO		
	<u>Painting and Decorating</u>				
	<u>Prepare knot,Prime,stop and apply one undercoat and two finishing coats of first grade clear polythene varnish on woodwork:</u>				
	<u>Externally on :-</u>				
H	Surface 0-100 mmgirth	25	LM		
J	General surface	15	SM		
	<u>Internally on :-</u>				
K	Surface 0-100 girth	15	LM		
L	General Surface	15	SM		
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>FINISHES</u>				
	<u>Wall Finishes</u>				
	12mm thick Cement sand (1:4) Render to:-				

PROPOSED CONSTRUCTION OF 3 NO. DOORS GIRLS VIP PIT LATRINE BLOCK AT LOBOLO ECDE SCHOOL-TURKANA
CENTRAL SUB COUNTY, TURKANA COUNTY.

A	Internal walls include substructure render	95	SM		
B	External walls	20	SM		
	Fair Face				
C	Extra -over stone walls for pointing key joints cement sand (1:4) mortar.	25	SM		
	Painting and Decorating				
	Prepare and apply one undercoat and two finishing coats of first grade plastic emulsion paint to:-				
D	Plastered walls and beam.	65	SM		
	Beds and backing				
E	32mm thick one coat backings; Steel trowelled smooth to concrete base; to floors level; internally.	20	SM		
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROVISIONAL SUM AND PRIME COST</u>				
A	Allow a provisional sum for construction of access ramp on both sides of the latrine	Prov. Sum			

PROPOSED CONSTRUCTION OF 3 NO. DOORS GIRLS VIP PIT LATRINE BLOCK AT LOBOLO ECDE SCHOOL-TURKANA
CENTRAL SUB COUNTY, TURKANA COUNTY.

B	Allow a provisional sum for painting and branding on sides of the latrine as directed by the project engineer	Prov. Sum			
					-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY PAGE</u>				
1	Brought forward from page TC/2				

PROPOSED CONSTRUCTION OF 3 NO. DOORS GIRLS VIP PIT LATRINE BLOCK AT LOBOLO ECDE SCHOOL-TURKANA
CENTRAL SUB COUNTY, TURKANA COUNTY.

2	Brought forward from page TC/3				
3	Brought forward from page TC/4				
4	Brought forward from page TC/5				
6	Brought forward from page TC/6				
7	Brought forward from page TC/7				
	SUB TOTAL				
	ADD 16% VAT				
	GRAND TOTAL				

AMOUNT IN WORDS:-

KENYA SHILLINGS

GS