REPUBLIC OF KENYA

MINISTRY OF LANDS, PUBLIC WORKS, HOUSING AND URBAN DEVELOPMENT

STATE DEPARTMENT FOR PUBLIC WORKS

BILL OF QUANTITIES FOR THE PROPOSED CONSTRUCTION OF A HALL AT TORIT GIRLS HIGH SCHOOL, KERICHO COUNTY

W. P. ITEM No……

UN-PRICED BILL OF QUANTITIES

COUNTY STRUCTURAL ENGINEER
STATE DEPARTMENT FOR PUBLIC WORKS,
P.O. BOX 20200,
KERICHO.

CLIENT
TORIT GIRLS HIGH SCHOOL,
P.O. BOX 271 - 20200,
KERICHO.

October, 2026.

BILL OF QUANTITIES FOR
THE PROPOSED CONSTRUCTION OF A HALL AT TORIT GIRLS HIGH SCHOOL, KERICHO COUNTY

BILL OF QUANTITIES FOR PROPOSED CONSTRUCTION OF A HALL (PHASE I)

Page 1	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT No. 1				
	SUBSTRUCTURES (All Provissionals)				
	Site Preparation				
A.	Clear site vegetation, grass, shrubs, bush and small trees of girth not exceeding 600mm; Preserve trees on site and burn up arising debris	SM	845		
	Top soil stripping and Excavation				
B.	Excavate oversite; 200mm deep; for making level on sandy soil. Load, transport or spread the arising on site as shall be directed by the Engineer/Client's representative	SM	780		
C.	Excavate trenches; to receive strip foundation; depth starting from stripped level but not exceeding 1.5m deep.	CM	119		
D.	Ditto for column and column bases	CM	78		
E.	Extra over for excavating and removing the existing black cotton soils on site to the satisfaction of the Engineer	ITEM			
F.	Extra over excavations for rocks (All classes)	ITEM			
	Disposals				
G.	Backfill with selected excavated material around foundations; compacting in layers maximum 150mm thick; including double or multi handling of excavated where necessary	CM	120		
H.	Cart away surplus materials arising from excavation (Mechanically) as directed on site	CM	77		
I.	Allow for keeping all excavations free from spring, sub-terrain or flood water by pumping, bailing or any other approved method	ITEM			
J.	Allow for necessary planking and strutting sides of all types of excavations to uphold sides of excavation generally	ITEM			
	Totals for Page 1 Carried to collection				

Page 2	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SUBSTRUCTURES WORKS-CONT'D				
	Hardcore packing				
A.	300mm thick well-watered and compacted in 150mm thick layers hardcore bed	SM	718		
	Hardcore Filling and Insecticide treatment				
B.	50mm thick Murram filling on hardcore bed (measured separately)	SM	718		
C.	Apply ''Termidor 25 EC'' solution or other equal and approved Insecticide treatment, sprayed evenly to surfaces of hardcore, strictly by a specialist in accordance with the manufacturer's instructions	SM	718		
	Damp proof membrane				
D.	Two layers 1000 gauge polythene sheeting with minimum side end laps of 100mm	SM	718		
	CONCRETE WORK				
	Plain Concrete Class 25 (1:2:4)				
E.	50mm thick concrete blinding in foundation trenches	SM	91		
F.	50mm thick concrete blinding to column bases	SM	52		
	Supply and put in place Vibrated Reinforced Concrete Class 25 (1:2:4) 20mm aggregate in:-				
G.	600x200mm thick Strip footing	CM	18		
H.	Column base 1; 1200x1200x300mm thick, supporting a 200x400mm wide column	CM	16		
I.	100mm thick ground floor slab	SM	718		
	Totals for Page 2 Carried to collection				

Page 3	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Supply and construct sawn softwood formwork to insitu concrete surfaces on:				
A.	Sides of strip foundation	SM	61		
B.	Sides of column bases	SM	52		
C.	Vertical sides of columns	SM	179		
D.	Edges of 100mm thick ground floor slab	LM	123		
	Reinforcement bars **High tensile hot rolled steel reinforcement bars to B.S. 4461 including bends,hooks,tying wire,distance blocks,chairs and spacers.**				
E.	8mm diameter reinforcement, longitudinal bars in concrete footing	Kgs	1352		
F.	10mm diameter reinforcement, ring bars in concrete footing	Kgs	758		
G.	12mm diameter reinforcement, Bottom 1 bars in concrete column bases	Kgs	280		
H.	12mm diameter reinforcement, Bottom 2 bars in concrete column bases	Kgs	280		
I.	Assorted reinforcement bars in suspended slab(s)	Kgs	284		
	Fabric B.R.C mesh type A142 weighing 2.22kg/m² (Measured net - no allowance made for laps); including bends, tying wire and distance blocks;				
J.	To floor slab	SM	718		
	Construction of Foundation's Machine dressed stone walling bedded and jointed in (1:3) cement and sand mortar and reinforced with and including 20swg x 25mm wide hoop iron in every alternate course. The crushing strength to be 7N/mm² minimum				
K.	200mm thick in foundation walling	SM	198		
	Totals for Page 3 Carried to collection				

BILL OF QUANTITIES FOR
THE PROPOSED CONSTRUCTION OF A HALL AT TORIT GIRLS HIGH SCHOOL, KERICHO COUNTY

Page 4	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SUBSTRUCTURES WORK SUMMARY				
A	**Brought forward from Page 1**				
B	**Brought forward from Page 2**				
C	**Brought forward from Page 3**				
	Totals for Page 4 Carried to collection				

Page 5	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT No. 2 **WALLING** **Supply,transport,deliver selected quality machine dressed stone walling for walling.The wall will be bedded and jointed in 1:4 cement and sand mortar and reinforced with 20 gauge hoop iron every alternate course.The minimum crushing strength to be 7N/mm²** **The openings will be deducted where the walls will be filled with other materials other than the walling material**				
A.	200mm thick wall	SM	580		
B.	Raking cutting to 200mm thick wall	LM	70		
	Coping				
C.	300x50mm thick Precast Concrete coping blocks on tops of wall bedded and jointed in cement, sand 1:3 mortar	LM	24		
	Waterproofing				
D.	200mm wide Bituminous felt damp proof course beneath walling levelled and bedded in cement,sand mortar (1:3)	LM	274		
	Totals for Page 5 Carried to collection				

Page 6	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	CONCRETE WORKS **Supply and put in place Vibrated Reinforced Concrete Class 25 (1:2:4); 20mm aggregate in:-**				
A.	200x600mm high beam and other structural beams	CM	18		
B.	200x450mm high beam and other structural beams	CM	11		
C.	200x400mm wide column	CM	12		
	Formwork **Supply and construct sawn softwood formwork to insitu concrete surfaces on:**				
D.	Sides and soffites of 200x600mm high beam	SM	234		
E.	Sides and soffites of 200x450mm high beam	SM	110		
	Superstructure Reinforcement Bars **Supply,transport,cutting,bending and installing of steel rods:-** **High tensile, hot rolled reinforcement bars to B.S. 4461 including bends,hooks,tying wire,distance blocks,chairs and spacers**				
F.	8mm diameter; distribution bars in ring beams and lintels	Kgs	743		
G.	12mm diameter; Main bars in ring beams and lintels	Kgs	1779		
H.	8 mm diameter; main bars in columns	Kgs	576		
I.	12 mm diameter; ring bars in columns	Kgs	364		
	Carried to collection				
	Brought forward from Page 5				
	Totals for Page 6 Carried to collection				

Page 7	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT No. 3 **ROOFING** **Steel truss; The following in steelwork truss. The contractor to allow in his rates for proper fabrication/bolting in joints and connections including scarfed joints connections and hoop iron as may be deemed necessary**				
A.	75x50x1.2mm thick RHS, internal cord, (main vertical cord/ kingpost)	Lm	10		
B.	50x50x1.2mm thick SHS, Top cord, (Z-Purlins)	Lm	691		
C.	75x50x1.2mm thick RHS, Top cord, (Rafters)	Lm	396		
D.	75x50x1.2mm thick RHS, Bottom cord, (Wall plate), including forming holes and fitting 12mm diameter x 300mm long HD Bolts with sleeves cast into concrete and welded to truss	Lm	716		
E.	50x50x1.2mm thick SHS, internal intermediate cord	Lm	578		
F.	75x50x1.2mm thick RHS, Base plate (Tie beam)	Lm	304		
	ROOF COVERING				
G.	28G Pre-painted IT5 roofing sheets sloping at 30degrees including fixing with self-drilling fasteners to purlins; installed as instructed by the project Architect	SM	880		
	Ridge cap				
H.	28G ridge cap to match roof covering	LM	38		
	M.s Plate				
I.	Steel M.s plate	LM	123		
J.	Gloss paint to surface of M.s plate	SM	28		
	Bolt and nuts				
K.	Supply and install J Bolts, spaced at atleast 300mm c/c; not less than 100mm long complete with their closing nuts and rainwater proofing rubber cap. The rate herein shall include for fixing and boring holes through purlins, to allow for easy bolt and nuts installation	No.	2304		
	RAINWATER GOODS				
L.	Supply, transport, deliver and fix a 28G G.I Aluzinc box Gutter with its supporting brackets clipped and screwed to wall to mechanical engineers approval	LM	77		
M.	Extra-over gutter for stopped ends	No	6		
N.	Ditto; Downpipes	No	6		
O.	Extra over downpipe for Swan neck	No	6		
P.	Ditto; Horse shoe	No	6		
	Totals for Page 7 Carried to collection				

Page 8	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT No. 4				
	DOORS				
	Supply,transport,deliver and install the following Purposed made door(s) to The Project Architect's approval:-				
	Doors as highlighted below, comprising 50x50x3mm thick RHS top and bottom vertical members with and including 6mm thick plate welded to RHS and 300mm wide louvres on the top. Door fixing lugs shall be included in the door frame and the rate shall include 75x50x3mm thick RHS framing all round the masonry opening:				
A.	Panelled steel casement Doors; 900 x 2400mm high with its ironmongery	No.	2		
B.	Panelled steel casement Doors; 1500 x 2400mm high with its ironmongery	No.	5		
	Painting and Decoration				
	Door Frames; The contractor shall apply an undercoat primer and two finishing coats of gloss paint:-				
C.	Surfaces over 100 but not exceeding 200mm girth	SM	28		
	Door Panels; The contractor shall apply an undercoat primer and two finishing coats of gloss paint:-				
D.	To general metal surfaces	SM	47		
	Totals for Page 8 Carried to collection				

Page 9	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT No. 5 **WINDOWS AND OPENINGS** **Supply,transport,deliver and install the following window(s) to The Project Architect's approval. Overall size:**				
A.	2900 x 1500mm high Galvanized steel casement windows: The windows shall receive; burglar grills (m.s, spaced at 150mm intervals), and 4mm thick window glazing.	No.	32		
B.	5900 x 600mm high Galvanized steel casement window: The window shall receive; burglar grills (m.s, spaced at 150mm intervals), and 4mm thick window glazing.	No.	1		
C.	3300 x 1500mm high Galvanized steel casement windows: The windows shall receive; burglar grills (m.s, spaced at 150mm intervals), and 4mm thick window glazing.	No.	3		
D.	3300 x 600mm high Grille window: The window shall receive; burglar grills (m.s, spaced at 150mm intervals).	No.	1		
E.	2900 x 600mm high Grille windows: The windows shall receive; burglar grills (m.s, spaced at 150mm intervals).	No.	40		
	GLAZING:				
F.	4mm thick Clear Sheet Glass glazed with putty in panes 0.10m - 0.05m squared to window(s)	SM	158		
	Painting of windows				
G.	Prepare and apply One undercoat, and two finishing coats of oil paint gloss finish as crown paints or other equal and approved catalogue to general surfaces of windows	SM	1738		
	Window cill(s)				
H.	Precast concrete, normal class 20/20 mm vibrated Sills 175x75mm thick, once sunk weathered, once throated, reinforced as necessary for handling,bedding,jointed and pointing in cement sand mortar (1:4)	LM	642		
	Buglar Proofing Grilles (Varies depending on pattern)				
I.	Galvanised mild steel grille framed with 40 x 25 x 2 mm thick R.H.S. at 150mm centers sections including assembly and fixing to opening cutting and pinning lugs to concrete or blockwork and bedding frame in cement and sand mortar (1:4) to Window-like openings	SM	229		
	Totals for Page 9 Carried to collection				

Page 10	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT No. 6				
	FINISHES				
	EXTERNAL WALL FINISHES				
	The contractor shall provide all necessary and strong scaffolding to enable workers access the top of the walling while carrying out finishing works:				
A.	25mm thick gauged render comprising of lime,cement and sand (1:2:9) respectively. The contractor shall hack the surface of concrete/masonry where necessary in order to provide a surface where the render/plaster will hold strongly and permanently	SM	866		
	Plinth wall Skirting				
B.	25mm thick; 300mm high external wall skirting in Cement,sand (1:3)	SM	37		
	Painting and Decoration				
C.	3 coats Silk vinyl emulsion paint to plastered surfaces	SM	866		
D.	Prepare and apply 3 coats of Black bituminous paint to plastered plinth wall surfaces	SM	37		
	INTERNAL WALL FINISHES				
E.	Supply,mix and apply plaster of average thickness of 18mm to masonry or concrete surfaces	SM	364		
F.	Ditto; Sides of column(s) supporting suspended slab(s)	SM	3		
	Painting and Decoration				
G.	Prepare and apply -2no. coats Anti-Algae priming coat on exposed wall surfaces as per the manufacturers specifications and -3no. coats Weather Guard paint as manufactured by Caparol or equivalent quality to plastered wall surfaces	SM	364		
	Totals for Page 10 Carried to collection				

Page 11	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	FLOOR FINISHES				
	32mm thick cement sand (1:3) screed as described in:-				
A.	Floor screed, smooth trowelled	SM	667		
B.	100mm high skirting screed (as described before) to walls internally	LM	425		
	Carried to collection				
	Brought forward from Page 10				
	Subtotal				
	Totals for Page 11 Carried to collection				

BILL OF QUANTITIES FOR
THE PROPOSED CONSTRUCTION OF A HALL AT TORIT GIRLS HIGH SCHOOL, KERICHO COUNTY

Page 12	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SUMMARY OF ELEMENTS				
A	ELEMENT No. 1: SUBSTRUCTURES (All Provissionals)				
B	ELEMENT No. 2: WALLING				
C	ELEMENT No. 3: ROOFING				
D	ELEMENT No. 4: DOORS				
E	ELEMENT No. 5: WINDOWS AND OPENINGS				
F	ELEMENT No. 6: FINISHES				
	Subtotals carried forward to Grand Summary Page				

BILL OF QUANTITIES FOR
THE PROPOSED CONSTRUCTION OF A HALL AT TORIT GIRLS HIGH SCHOOL, KERICHO COUNTY

Page 13	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	PRIME COST AND PROVISIONAL SUMS				
	The contractor shall include in his tender the following to be deducted in whole or in part as directed by the project manager				
A	Allow a provisional sum of Kenya shillings Two hundred thousand (Kes. 200,000.00) only for Project manager's expenses and documentation		Item		
B	Allow a provisional sum of Kenya shillings One hundred thousand (Kes. 100,000.00) only for Project Management Committee (PMC)		Item		
C	Allow a provisional sum of Kenya shillings Seventy five thousand (Kes. 75,000.00) only for Electrical installation works		Item		
	TOTALS FOR PAGE 13 CARRIED TO GRAND SUMMARY				

BILL OF QUANTITIES FOR
THE PROPOSED CONSTRUCTION OF A HALL AT TORIT GIRLS HIGH SCHOOL, KERICHO COUNTY

GRAND SUMMARY

ITEM	DESCRIPTION	For Official Use only	For Tenderer's use only
A	**Bill No. 1 Preliminaries**		
B	**Bills No. 2 Measured Works:**		
	HALL CONSTRUCTION		
C	**P.C and Provisional Sums**		
	Subtotals		
	Add 0.03% PPRA levy		
TOTAL CARRIED TO FORM OF TENDER: KSHS			

Contract period….....Weeks

Tender Sum in words: Kenya Shillings.....……
.....……
….....

Tenderer's Name….....……

Address.....……

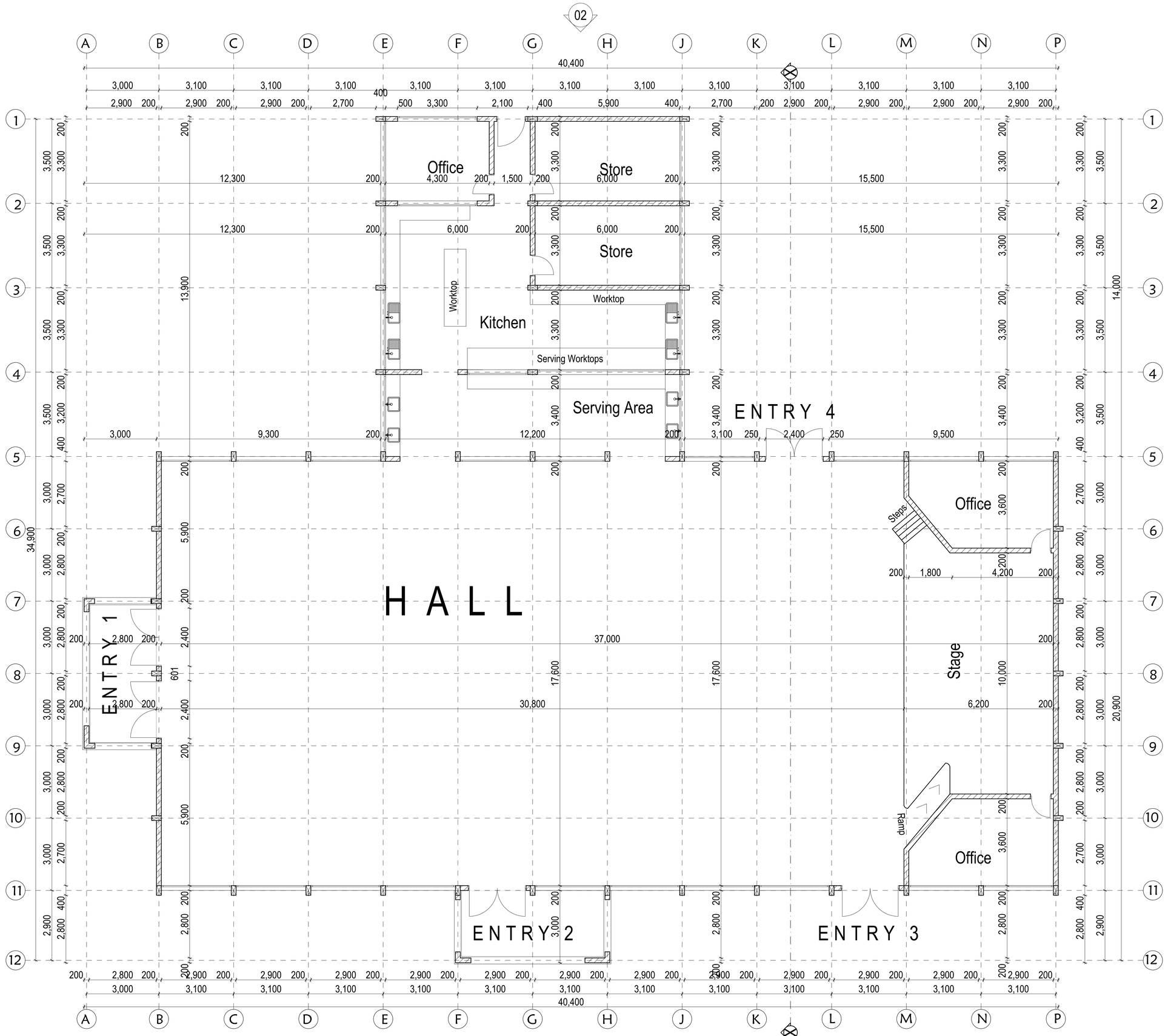
Date .....……Signature……..…..…...….....

Witness Name….....……

Address.....……

Date .....……Signature…..……..…..…...….....

DRAWINGS



GROUND FLOOR PLAN

NOTES

GENERAL
All dimensions are in mm unless otherwise specified .
Drawings are not to be scaled . Only figured dimentions to be used .
The contractor must check and verify all the dimensions before commencement of work .
Any discrepancies to be clarified with the Project Architect

CIVIL
All slab at ground level to be cast over 1000 gauge polythene sheet on 50mm thick murram blinding on hardcore .
All soil under slab around and under foundation to be treated for termite control.
All soil on cut embaarkment to be stablized.The slope not to exceed 45 degree.
Depth of foundation to be determined on site to S .E's aproval
All walls to be reinforced with loop iron at every alternate course .
All adjacent R.C. work and masonry walls to be tied with loop iron at every alternate
All black cotton soil to be removed from all buildings and paved surfaces

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.

FLOOR FINISHES
General Floor Surfaces
40mm Cement sand screed laid on concrete floor bed . 600x600x15mm Granite Tiles on cement screed laid with chess board pattern , flush joints. 300 x 300 x8 mm Porcelain tiles bevel joint edge 3mm spacers filled with proprietary grounting with anti -algea and anti-fungal property.

WALL FINISHES
Internal Wall surfaces - General
-12mm cement lime plaster for painted surfaces -12mm cement/sand plaster for tiled surfaces
- Washrooms Ceramic Tile color to architects approval , max 2mm space filled with proprietary antialgae and anti -fungal grouting.
External Wall Surfaces
-15mm Cement/sand render on all external walls .

DECORATIONS
Internal Wall surfaces
-1no. Priming undercoat to manufacturers specs
-3no. finishing coats - vinyl Silk as manufactured by Caparol Paints or equivalent on claen wall surface free of dust , algea, and undulations.
On raw Metal Works
-1no. priming coat in red oxide anticorrosion paint
-3no. finishing coats in oil paint color to architects approval .
Hardwood Surfaces
-Priming seal on well sanded and smooth surfaces and 2no. coats eggshell finish Polyurethane Varnish
External Walls
-2no. coats Anti-Algea priming coat on exposed wall surfaces as per the manufacturers specifications.
-3no. coats Wheather Guard paint as manufactured by Caparol or equivalent quality.

WINDOWS
- Powder Coated Aluminium profiled roller sliding windows including glass panel, mosquito sash and iromongery all to approved specifications .
- 6mm plain sheet glass panels
- lock of approved quality
- Mosquito sash inlcuding all accessories for appropriate installations

DO NOT SCALE

LAYOUT APPROVED		DATE: October, 2026	CLIENT CODE
DWG APPROVED	DATE: October, 2026		DATE: October, 2026

ARCHITECT

PROJECT

CLIENT

DRAWING TITLE
Construction Drawings

APPROVED

COUNTY PUBLIC WORKS OFFICER
KERICHO COUNTY
State Department of Public Works

APPLICATION	UNIT	SERIES	BLOCK

SCALE: 1:100		JOB NO.: #Pln	
DRAWN: Arch. Mokua.R	T	CODE: A	DWG. NO.: A.01.1
CHECKED: County Works Officer		A / B / C	D / E / F

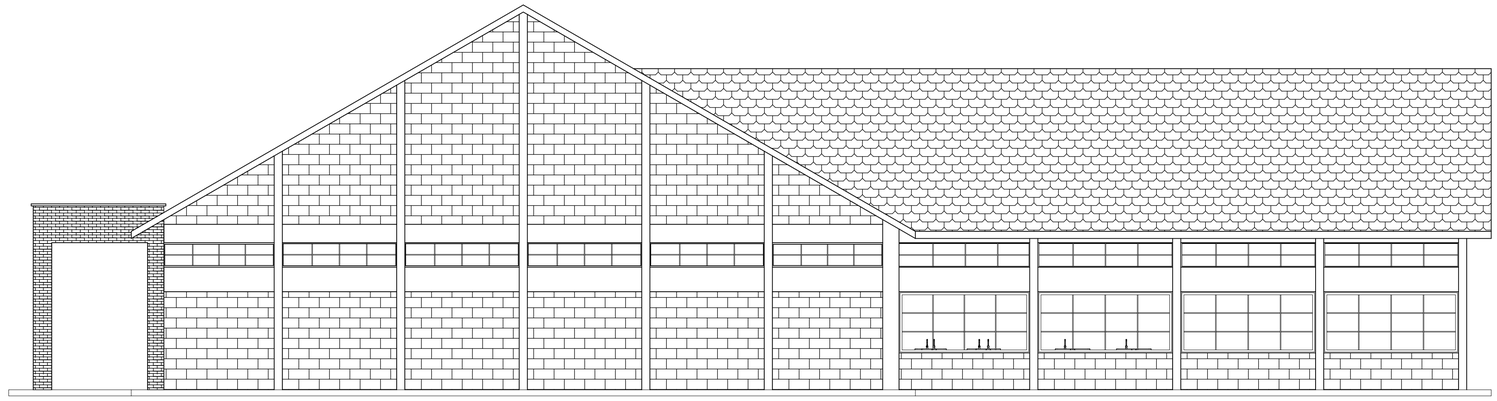
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ELEVATION 01



ELEVATION 02



ELEVATION 03



ELEVATION 04

NOTES

GENERAL
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The contractor must check and verify all the dimensions before commencement of work.
Any discrepancies to be clarified with the Project Architect

CIVIL
All slab at ground level to be cast over 1000 gauge polythene sheet on 50mm thick murram blinding on hardcore .
All soil under slab around and under foundation to be treated for termite control.
All soil on cut embaraarkment to be stablized.The slope not to exceed 45 degree.
Depth of foundation to be determined on site to S .E's aproval
All walls to be reinforced with loop iron at every alternate course .
All adjacent R.C. work and masonry walls to be tied with loop iron at every alternate
All black cotton soil to be removed from all buildings and paved surfaces

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.

FLOOR FINISHES
General Floor Surfaces
40mm Cement sand screed laid on concrete floor bed . 600x600x15mm Granite Tiles on cement screed laid with chess board pattern , flush joints. 300 x 300 x8 mm Porcelain tiles bevel joint edge 3mm spacers filled with proprietary grounting with anti -algea and anti-fungal property.

WALL FINISHES
Internal Wall surfaces - General
-12mm cement lime plaster for painted surfaces -12mm cement/sand plaster for tiled surfaces
- Washrooms Ceramic Tile color to architects approval , max 2mm space filled with proprietary antialgae and anti -fungal grouting.
External Wall Surfaces
-15mm Cement/sand render on all external walls .

DECORATIONS
Internal Wall surfaces
-1no. Priming undercoat to manufacturers specs
-3no. finishing coats - vinyl Silk as manufactured by Caparol Paints or equivalent on claen wall surface free of dust , algea, and undulations.
On raw Metal Works
-1no. priming coat in red oxide anticorrosion paint
-3no. finishing coats in oil paint color to architects approval .
Hardwood Surfaces
-Priming seal on well sanded and smooth surfaces and 2no. coats eggshell finish Polyurethane Varnish
External Walls
-2no. coats Anti-Algea priming coat on exposed wall surfaces as per the manufacturers specifications.
-3no. coats Wheather Guard paint as manufactured by Caparol or equivalent quality.

WINDOWS
- Powder Coated Aluminium profiled roller sliding windows including glass panel, mosquito sash and iromongery all to approved specifications .
- 6mm plain sheet glass panels
- lock of approved quality
- Mosquito sash inlcuding all accessories for appropriate installations

DO NOT SCALE

LAYOUT APPROVED	DATE: October, 2026		CLIENT CODE
DWG APPROVED	DATE: October, 2026		DATE: October, 2026

ARCHITECT

PROJECT

CLIENT

DRAWING TITLE

Construction Drawings

APPROVED

COUNTY PUBLIC WORKS OFFICER

KERICHO COUNTY

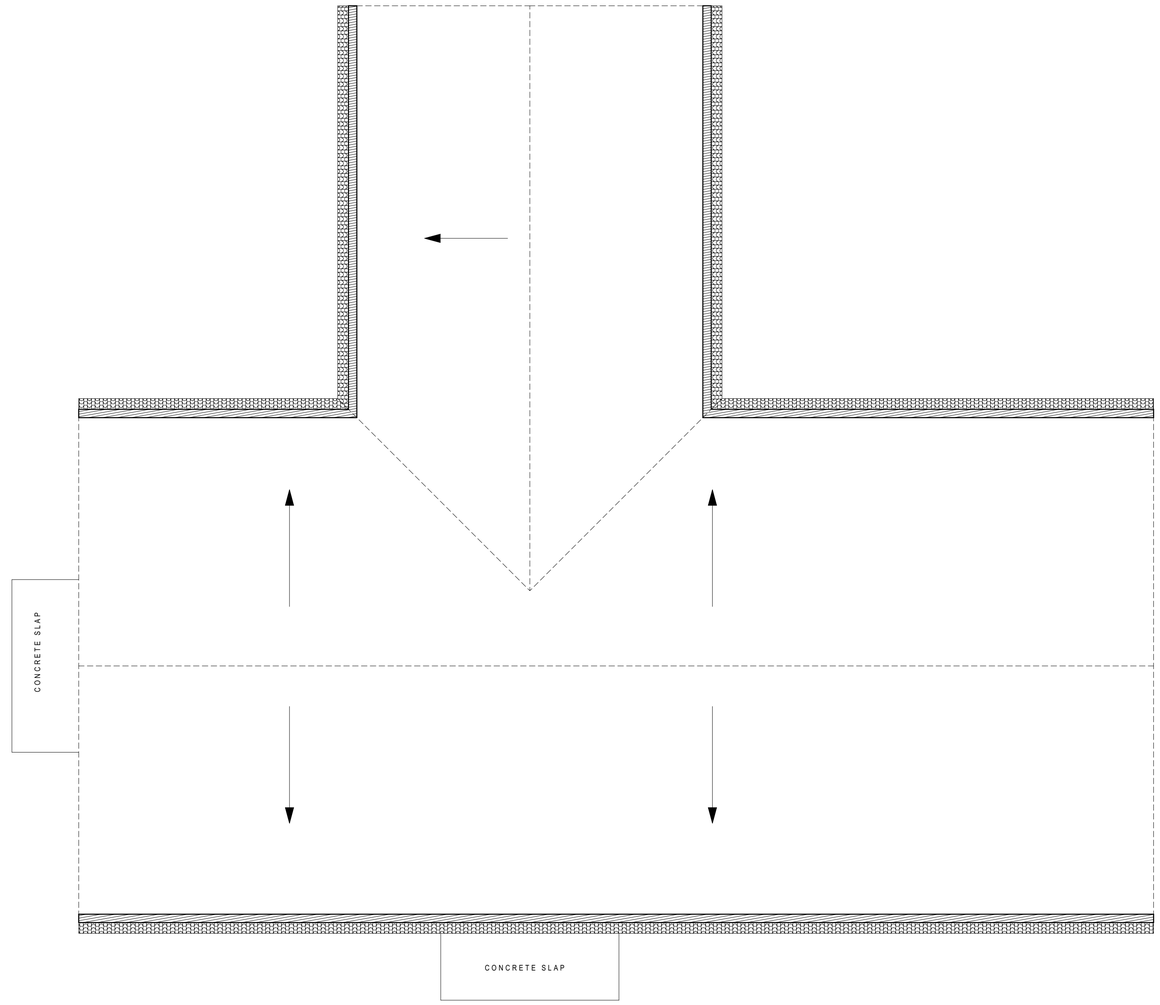
State Department of Public Works

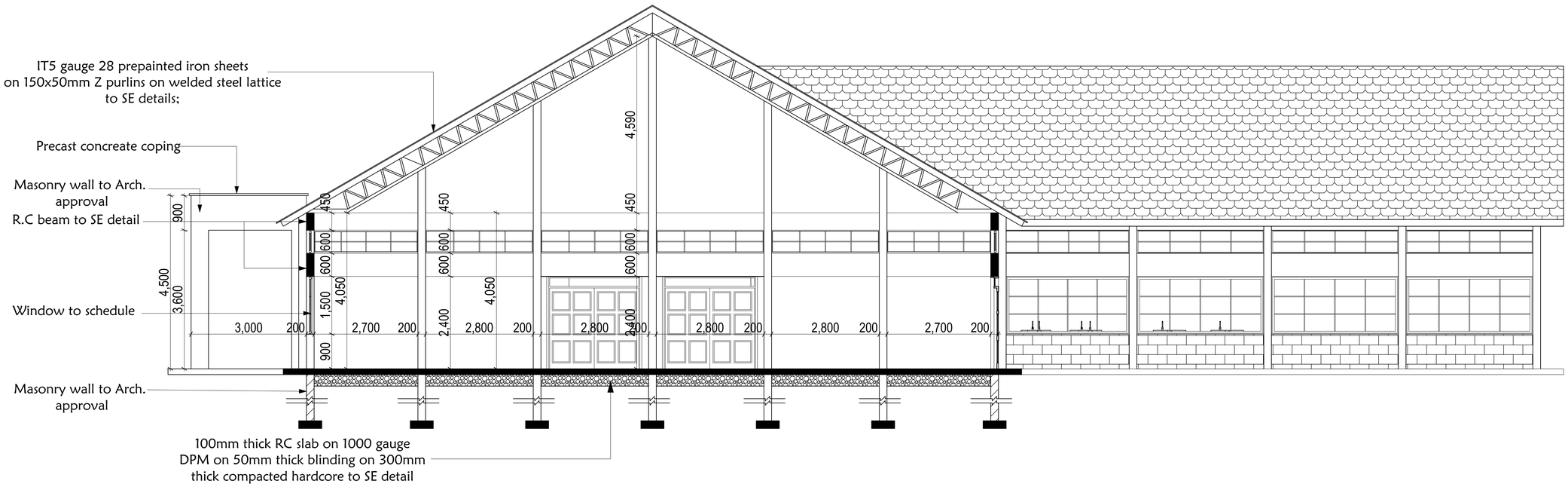
APPLICATION	UNIT	SERIES	BLOCK

SCALE: 1:100		JOB NO:	#Pln
DRAWN: Arch. Mokua.R	T	CODE: A	DWG. NO.: A.01.1
CHECKED: County Works Officer		A / B / C	D / E / F

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ROOF PLAN





SECTION X-X

NOTES

GENERAL
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The contractor must check and verify all the dimensions before commencement of work.
Any discrepancies to be clarified with the Project Architect

CIVIL
All slab at ground level to be cast over 1000 gauge polythene sheet on 50mm thick murram blinding on hardcore .
All soil under slab around and under foundation to be treated for termite control.
All soil on cut embaarakment to be stablized.The slope not to exceed 45 degree.
Depth of foundation to be determined on site to S .E's aproval
All walls to be reinforced with loop iron at every alternate course .
All adjacent R.C. work and masonry walls to be tied with loop iron at every alternate
All black cotton soil to be removed from all buildings and paved surfaces

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.

FLOOR FINISHES
General Floor Surfaces
40mm Cement sand screed laid on concrete floor bed . 600x600x15mm Granite Tiles on cement screed laid with chess board pattern , flush joints. 300 x 300 x8 mm Porcelain tiles bevel joint edge 3mm spacers filled with proprietary grounting with anti -algea and anti-fungal property.

WALL FINISHES
Internal Wall surfaces - General
-12mm cement lime plaster for painted surfaces -12mm cement/sand plaster for tiled surfaces
- Washrooms Ceramic Tile color to architects approval , max 2mm space filled with proprietary antialgae and anti -fungal grouting.
External Wall Surfaces
-15mm Cement/sand render on all external walls .

DECORATIONS
Internal Wall surfaces
-1no. Priming undercoat to manufacturers specs
-3no. finishing coats - vinyl Silk as manufactured by Caparol Paints or equivalent on claen wall surface free of dust , algea, and undulations.
On raw Metal Works
-1no. priming coat in red oxide anticorrosion paint
-3no. finishing coats in oil paint color to architects approval .
Hardwood Surfaces
-Priming seal on well sanded and smooth surfaces and 2no. coats eggshell finish Polyurethane Varnish
External Walls
-2no. coats Anti-Algea priming coat on exposed wall surfaces as per the manufacturers specifications.
-3no. coats Wheather Guard paint as manufactured by Caparol or equivalent quality.

WINDOWS
- Powder Coated Aluminium profiled roller sliding windows including glass panel, mosquito sash and iromongery all to approved specifications .
- 6mm plain sheet glass panels
- lock of approved quality
- Mosquito sash inlcuding all accessories for appropriate installations

DO NOT SCALE

LAYOUT APPROVED	DATE: October, 2026		CLIENT CODE
DWG APPROVED	DATE: October, 2026		DATE: October, 2026

ARCHITECT

PROJECT

CLIENT

DRAWING TITLE
Construction Drawings

APPROVED

COUNTY PUBLIC WORKS OFFICER
KERICHO COUNTY
State Department of Public Works

APPLICATION	UNIT	SERIES	BLOCK

SCALE 1:100		JOB NO.	#Pln
DRAWN Arch. Mokua.R	T	CODE A	DWG. NO. A.01.1
CHECKED County Works Officer		A / B / C	D / E / F

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