KIMUKA
400/220kV Substation

FUTURE TECHNICAL STAFF HOUSING ARCHITECTURAL DRAWING

PREPARED BY:

مونکو ایران
Monenco Iran

REV	DESCRIPTION	DESIGN	CHK	HEAD	APPR.	DATE
C	ACC. TO CLIENT COMMENT	STT	IBM	ARG	BHT	22.07.2025
B	ACC. TO MEETING DATED: 2025/05/26	STT	IBM	ARG	BHT	31.05.2025
A	SECOND ISSUE	FPS	SAT	ARG	JVN	27.02.2021
0	FIRST ISSUE	FPS	SAT	ARG	JVN	16.02.2021

		SIGNATURE
DESIGNED BY		
DRAWN BY		
CHECKED BY		
APPROVED BY		
DATE: 27.02.2021		
SCALE:		

PROJECT:

KIMUKA
400/220kV Substation

DWG. TITLE:

TECHNICAL STAFF HOUSING ARCHITECTURAL DRAWING

DWG. NO.:MT-TLD-KETCO-5393-DD-57-GR-309

SHEET: 1 OF: 6

CLIENT:

KETRACO
Kenya Electricity Transmission Co. Ltd.

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DESIGNATION OF	TITLE	REVISION			
1	COVERING SHEET	0	A	B	C
2	INDEX	0	A	B	C
3	KIMUKA 400/220kV SS_Technical Staff Housing FLOOR PLAN ARCHITECTURAL DRAWING	0	A	B	C
4	KIMUKA 400/220KV SS_Technical Staff Housing ELEVATIONS ARCHITECTURAL DRAWING	0	A	B	C
5	KIMUKA 400/220KV SS_Technical Staff Housing SECTIONS ARCHITECTURAL DRAWING	0	A	B	C
6	KIMUKA 400/220KV SS_Technical Staff Housing FINISHING SCHEDULE & NOTE	0	A	B	C

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SHEET: 2 OF: 6

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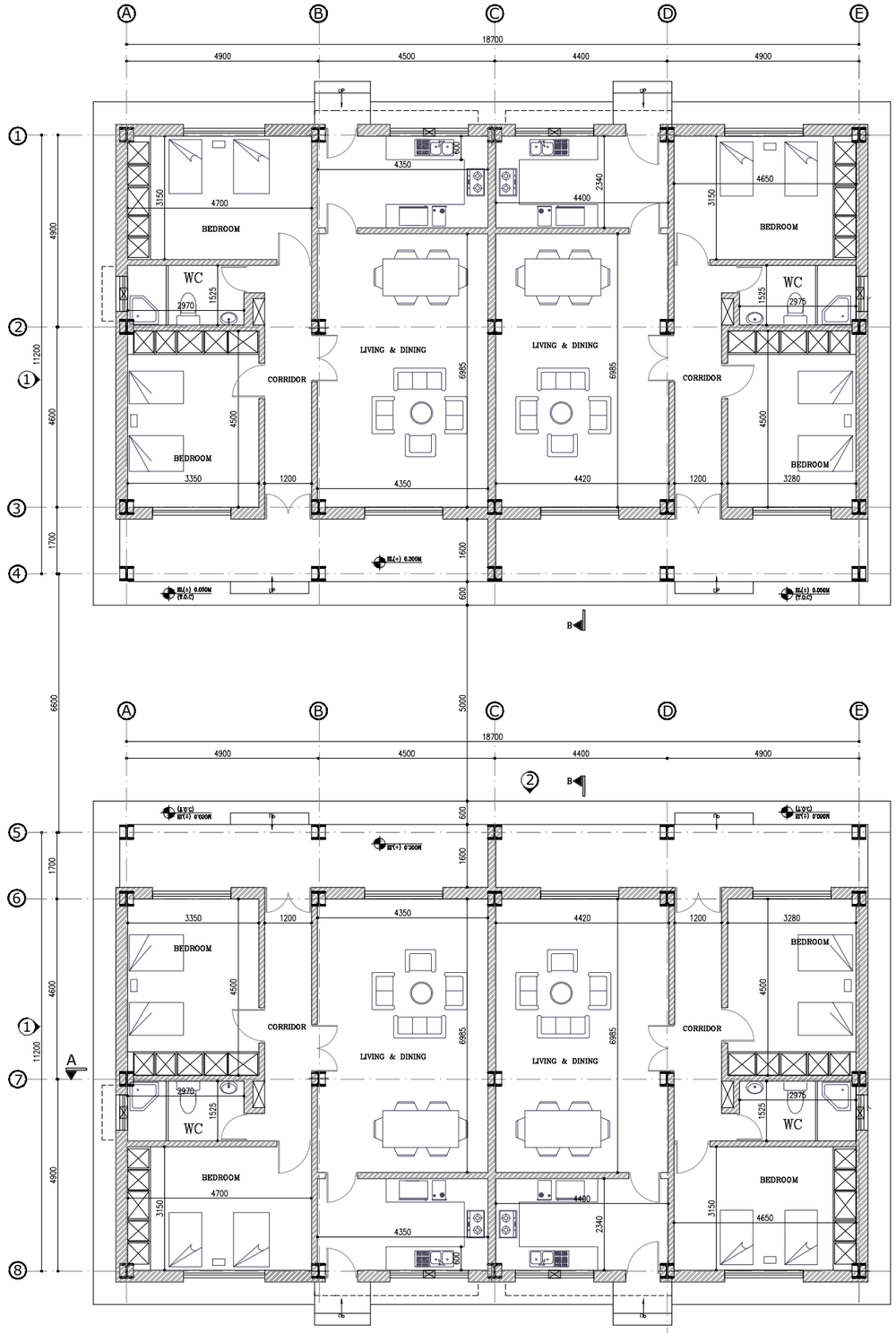

GROUND FLOOR PLAN

NOTE:

F.G.L	FINISHED GROUND LEVEL
F.F.L	FINISHED FLOOR LEVEL
F.F	FALSE FLOOR
F.C	FALSE CEILING

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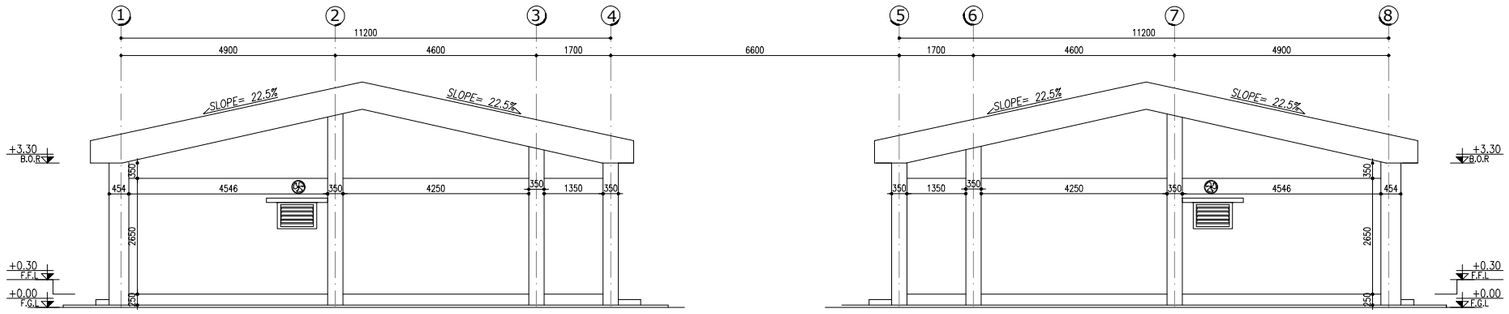
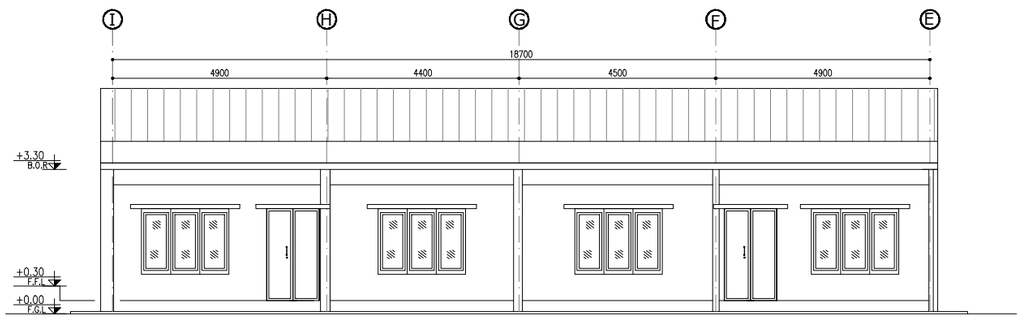
CLIENT: KETRACO Kenya Electricity Transmission Co. Ltd. THE WORLD BANK IBRD . IDA | WORLD BANK GROUP



ELEVATION (1)



ELEVATION (2)

NOTES:

1- THIS DWG. SHALL BE CHECKED WITH STRUCTURAL DWG. BEFORE CONSTRUCTION.

2- CONTRACTOR SHOULD CHECK AND VERIFY ALL SIZES AND DIMENSIONS BEFORE CONSTRUCTION.

3- ALL ELEVATIONS ARE IN METERS & DIMENSIONS ARE IN MILLIMETERS.

4- ABBREVIATIONS:

F.G.L	FINISHED GROUND LEVEL
F.F.L	FINISHED FLOOR LEVEL
T.O.W	TOP OF WINDOW
B.O.R	BOTTOM OF ROOF

5- THIS DRAWING SHALL BE CHECKED WITH GENERAL LAYOUT DRAWING.

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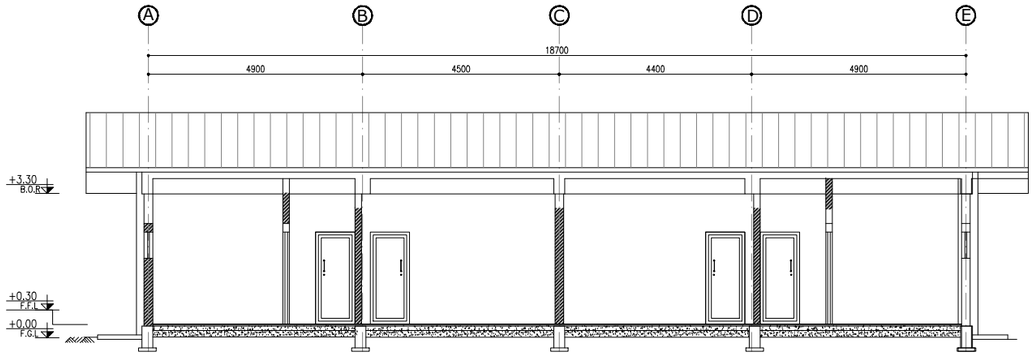
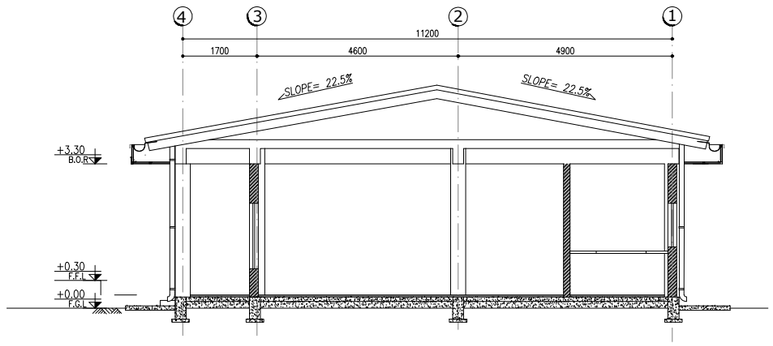


SECTION (A)



SECTION (B)

NOTES:

1- THIS DWG. SHALL BE CHECKED WITH STRUCTURAL DWG. BEFORE CONSTRUCTION.

2- CONTRACTOR SHOULD CHECK AND VERIFY ALL SIZES AND DIMENSIONS BEFORE CONSTRUCTION.

3- ALL ELEVATIONS ARE IN METERS & DIMENSIONS ARE IN MILLIMETERS.

4- ABBREVIATIONS:

F.G.L	FINISHED GROUND LEVEL
F.F.L	FINISHED FLOOR LEVEL
T.O.W	TOP OF WINDOW
B.O.R	BOTTOM OF ROOF

5- THIS DRAWING SHALL BE CHECKED WITH GENERAL LAYOUT DRAWING.

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INTERIOR FINISHING SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	SKIRTING	WALL	CEILING
G1	LIVING & DINING	CERAMIC TILE	CERAMIC TILE (H= 100 mm)	CEMENT PLASTER WITH WHITE FLAT EMULSION PAINT	60*60 MINERAL FIBER TILE
G2	CORRIDOR	CERAMIC TILE	CERAMIC TILE (H= 100 mm)	CEMENT PLASTER WITH WHITE FLAT EMULSION PAINT	60*60 MINERAL FIBER TILE
G3	BEDROOM	CERAMIC TILE	CERAMIC TILE (H= 100 mm)	CEMENT PLASTER WITH WHITE FLAT EMULSION PAINT	60*60 MINERAL FIBER TILE
G4	WC	NONSLIP CERAMIC TILES	AS SAME AS WALL FINISHES	CERAMIC TILE	60*60 MINERAL FIBER TILE
G5	PANTRY	NONSLIP CERAMIC TILES	AS SAME AS WALL FINISHES	CERAMIC TILE	60*60 MINERAL FIBER TILE

FINISHING SCHEDULE

NOTE:

1- THE ROOF SHALL UTILISE VERSATILE ROOFING SHEETS SUPPORTED ON AN APPROPRIATELY DESIGNED ROOF STRUCTURE, INCORPORATING THERMAL INSULATION.

2- THE DISTANCE BETWEEN GUTTER DOWN PIPES SHOULD NOT BE MORE THAN 20 M.
+THE GUTTER AND GUTTER STRAP DETAILS SHALL BE PROVIDED BY CONTRACTOR DURING EPC DETAIL DESIGN STAGE WITH THE RELEVANT CALCULATION AS PER RAIN LEVEL AND WATER FLOW VALUE, SUBJECT TO CLIENT/CONSULTANT APPROVAL.

3- +ALL EXTERNAL DOORS SHALL BE MADE OF 1.5MM MIN THICKNESS ZINC-COATED STEEL SHEET WITH A PANIC LOCK.
+ALL WINDOWS ARE DOUBLE GLAZED WITH HEAVY DUTY ANODIZED ALUMINUM FRAMES.
+OPENING PARTS OF WINDOWS SHALL BE FITTED WITH INSECT SCREENS AND SHALL BE BURGLAR PROOF WHERE APPLICABLE.

4- ALL BUILDING SHALL BE PAINTED WITH KETRACO APPROVED CLOURS.

5- ALL EXTERNAL WALLS SHALL BE 200 MM THICK & INTERNAL WALLS SHALL BE 150 MM THICK, UNLESS OTHERWISE INDICATED.

6- ALL BUILDING EXTERNAL WALL FINISHING SHALL BE CEMENT PLASTER WITH WHITE FLAT EMULSION.

7- ULTIMATELY, THE FINAL DOOR AND WINDOW SIZES AND DESIGN SHALL BE SUBJECT TO APPROVAL BY THE EMPLOYER'S REPRESENTATIVE.

8- ALL REQUIRED FACILITIES INCLUDING AIR CONDITIONING. SHALL BE CONSIDERED.

9-ALL MATERIALS SHALL BE OF GOOD DURABLE STANDARD,AND ALL WOOD SHALL BE PRESERVED BY AN APPROVED METHOD AGAINST FUNGAL AND TERMITE ATTACK.

10- THE ABOVE WORKS SHALL BE SUBMITTED BY EPC CONTRACTOR AT EPC DETAIL DESIGN STAGE FOR THE CLIENT/CONSULTANT APPROVAL.

11- ALL REQUIRED SYSTEMS INCLUDING WATER SUPPLY SYSTEM,PLUMBING,SEWAGE WATER SYSTEM,ELECTICAL SERVICE,LIGHTING,HVAC(FOR EACH. BEDROOM AND LIVING ROOM)SHALL BE CONSIDER.

12-EACH UNIT SHALL BE WELL FURNISHED AS PER TECHNICAL SPECIFIATIONS.

13-THE EPC CONTRACTOR SHOULD ENGAGE A LOCAL ARCHITECT TO ENSURE THE HOUSES ARE ARCHITECTURALLY SOUND.

14-THE HOUSES SHALL CONFORM TO KENYA ARCHITECTURAL CODES AND GUIDELINES AND HAVE TO BE APPROVED BY THE LOCAL AUTHORITIES.

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