





1	2	3	4	5	6	7	8																																																													
A								A																																																												
B								B																																																												
C	<div>KIMUKA 400/220kV Substation Future Security Staff Housing Architectural</div>							C																																																												
D								D																																																												
E								E																																																												
F	<div><div><div>PREPARED BY:</div><div><div>مونenco ایران Monenco Iran</div></div></div><table><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>DESIGNED BY</td><td></td><td>SIGNATURE</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>DRAWN BY</td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>CHECKED BY</td><td></td><td></td></tr><tr><td>A</td><td>SECOND ISSUE</td><td>FPS</td><td>SAT</td><td>ARG</td><td>JVN</td><td>27.02.2021</td><td>APPROVED BY</td><td></td><td></td></tr><tr><td>0</td><td>FIRST ISSUE</td><td>FPS</td><td>SAT</td><td>ARG</td><td>JVN</td><td>16.02.2021</td><td>DATE: 27.02.2021</td><td colspan="2"></td></tr><tr><td>REV</td><td>DESCRIPTION</td><td>DESIGN</td><td>CHK</td><td>HEAD</td><td>APPR.</td><td>DATE</td><td>SCALE:</td><td colspan="2"></td></tr></table><div><div>PROJECT:</div><div>KIMUKA 400/220kV Substation</div></div><div><div>DWG. TITLE:</div><div>Security Staff Housing Architectural</div><div>DWG. NO.:MT-TLD-KETCO-5393-DD-57-GR-310</div><div>SHEET: 1 OF: 4</div></div><div><div>CLIENT:</div><div><div>KETRACO Kenya Electricity Transmission Co. Ltd.</div><div>THE WORLD BANK IBRD · IDA WORLD BANK GROUP</div></div></div></div>														DESIGNED BY		SIGNATURE								DRAWN BY										CHECKED BY			A	SECOND ISSUE	FPS	SAT	ARG	JVN	27.02.2021	APPROVED BY			0	FIRST ISSUE	FPS	SAT	ARG	JVN	16.02.2021	DATE: 27.02.2021			REV	DESCRIPTION	DESIGN	CHK	HEAD	APPR.	DATE	SCALE:			F
							DESIGNED BY		SIGNATURE																																																											
							DRAWN BY																																																													
							CHECKED BY																																																													
A	SECOND ISSUE	FPS	SAT	ARG	JVN	27.02.2021	APPROVED BY																																																													
0	FIRST ISSUE	FPS	SAT	ARG	JVN	16.02.2021	DATE: 27.02.2021																																																													
REV	DESCRIPTION	DESIGN	CHK	HEAD	APPR.	DATE	SCALE:																																																													
1	2	3	4	5	6	7	8																																																													

1	2	3	4	5	6	7	8	
A								A
B								B
C								C
D								D
E								E
F								F

PREPARED BY:

مونenco ایران

Monenco Iran



								DESIGNED BY		SIGNATURE
								DRAWN BY		
								CHECKED BY		
A	SECOND ISSUE	FPS	SAT	ARG	JVN	27.02.2021		APPROVED BY		
0	FIRST ISSUE	FPS	SAT	ARG	JVN	16.02.2021	DATE: 27.02.2021			
REV	DESCRIPTION	DESIGN	CHK	HEAD	APPR.	DATE	SCALE:			

PROJECT:

KIMUKA

400/220kV Substation


DWG. TITLE:


Security Staff Housing Architectural

DWG. NO.:MT-TLD-KETCO-5393-DD-57-GR-310

SHEET: 2 OF: 4

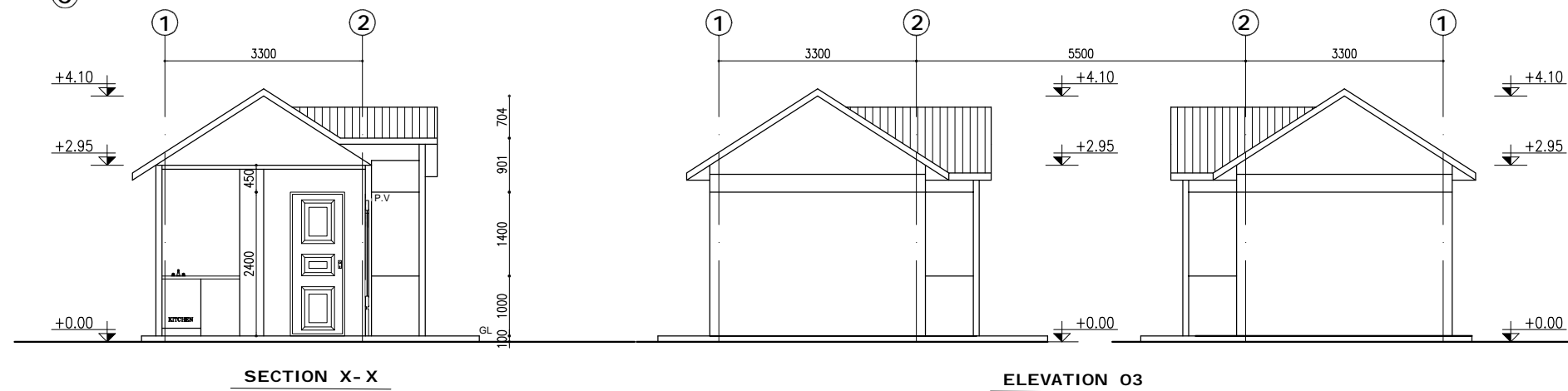
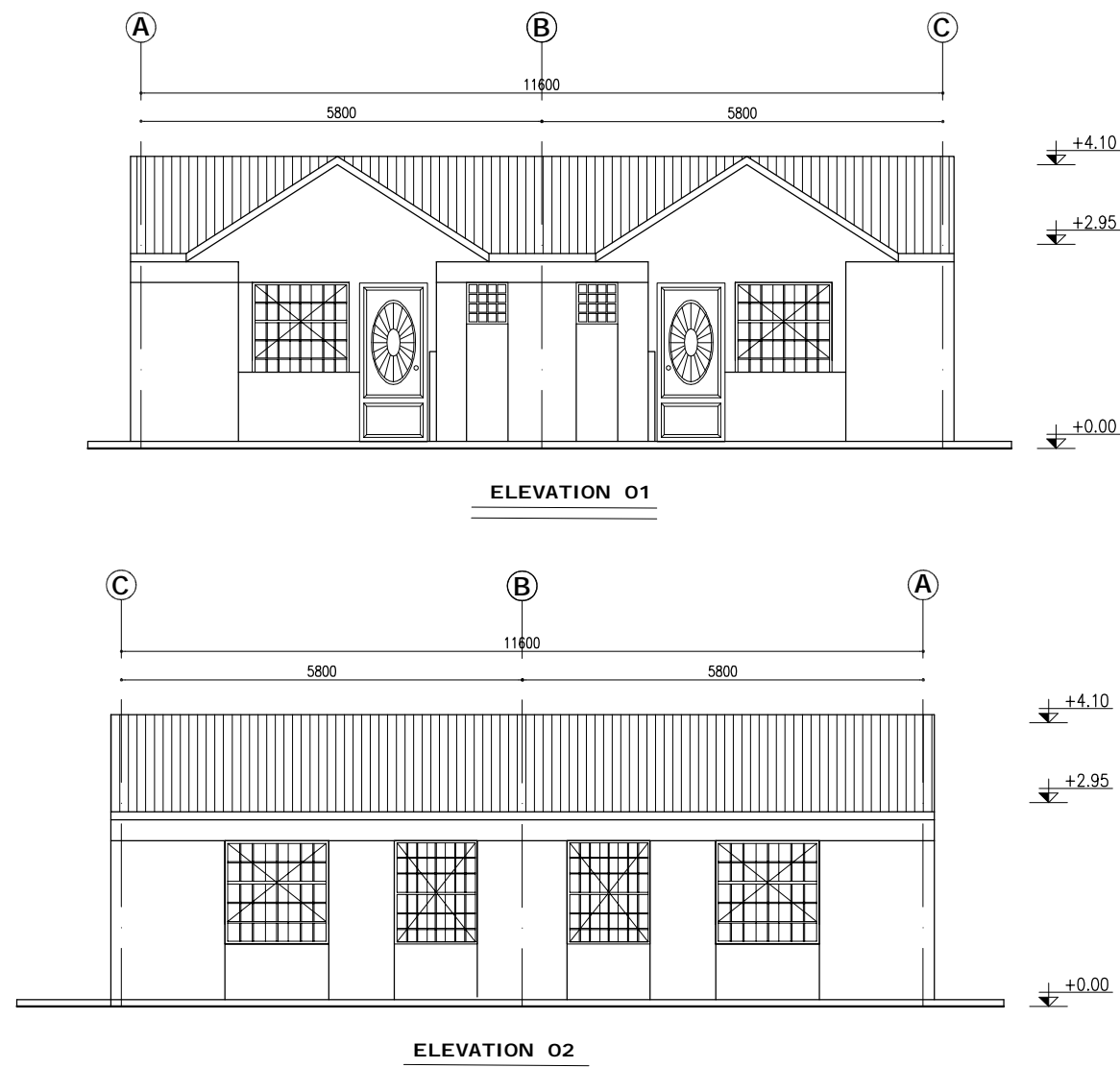
CLIENT:




KETRACO

THE WORLD BANK

Kenya Electricity Transmission Co. Ltd.

IBRD · IDA | WORLD BANK GROUP



PREPARED BY:																														DESIGNED BY																				SIGNATURE										PROJECT:										DWG. TITLE:										CLIENT:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
																														DRAWN BY																														<div>KIMUKA</div> <div>400/220kV Substation</div>										Security Staff Housing Architectural										<div>KETRACO Kenya Electricity Transmission Co. Ltd.</div> <div>THE WORLD BANK IBRD IDA WORLD BANK GROUP</div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
																				CHECKED BY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
A										SECOND ISSUE										FPS										SAT										ARG										JVN																																								27.02.2021										APPROVED BY																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
0										FIRST ISSUE										FPS										SAT										ARG										JVN																																								16.02.2021										DATE: 27.02.2021																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
REV										DESCRIPTION										DESIGN										CHK										HEAD										APPR.										DATE										SCALE:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

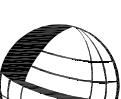


INTERIOR FINISHING SCHEDULE					
ROOM NO.	ROOM NAME	FLOOR	SKIRTING	WALL	CEILING
G1	BEDSITTER	CERAMIC TILE	CERAMIC TILE (H= 100 mm)	CEMENT PLASTER WITH WHITE FLAT EMULSION PAINT	60*60 MINERAL FIBER TILE
G2	BATHROOM	NONSLIP CERAMIC TILES	AS SAME AS WALL FINISHES	CERAMIC TILE	60*60 MINERAL FIBER TILE
G3	PANTRY	NONSLIP CERAMIC TILES	AS SAME AS WALL FINISHES	CERAMIC TILE	60*60 MINERAL FIBER TILE

FINISHING SCHEDULE

NOTE:

- 1- THE ROOF SHALL BE COVERED WITH Min. 60 MM Thick. ROOF SANDWICH PANEL.
- 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 DOOR SHALL BE FIRE RESISTANCE AND TRIPLE HINGED DOORS.
+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.

<div>PREPARED BY:</div> <div><div>مونئكو ايران</div><div>Monenco Iran</div></div> <div></div>								DESIGNED BY		SIGNATURE	PROJECT: <div>KIMUKA</div> <div>400/220kV Substation</div>	DWG. TITLE:		CLIENT: <div><div></div><div><div>KETRACO</div><div>Kenya Electricity Transmission Co. Ltd.</div></div><div><div></div><div><div>THE WORLD BANK</div><div>IBRD · IDA WORLD BANK GROUP</div></div></div></div>	
												Security Staff Housing Architectural			
												FINISHING SCHEDULE & NOTE			
	A	SECOND ISSUE	FPS	SAT	ARG	JVN	27.02.2021	APPROVED BY				DWG. NO.:MT-TLD-KETCO-5393-DD-57-GR-310	SHEET: 4 OF: 4		
	0	FIRST ISSUE	FPS	SAT	ARG	JVN	16.02.2021	DATE: 27.02.2021							
	REV	DESCRIPTION	DESIGN	CHK	HEAD	APPR.	DATE	SCALE:							