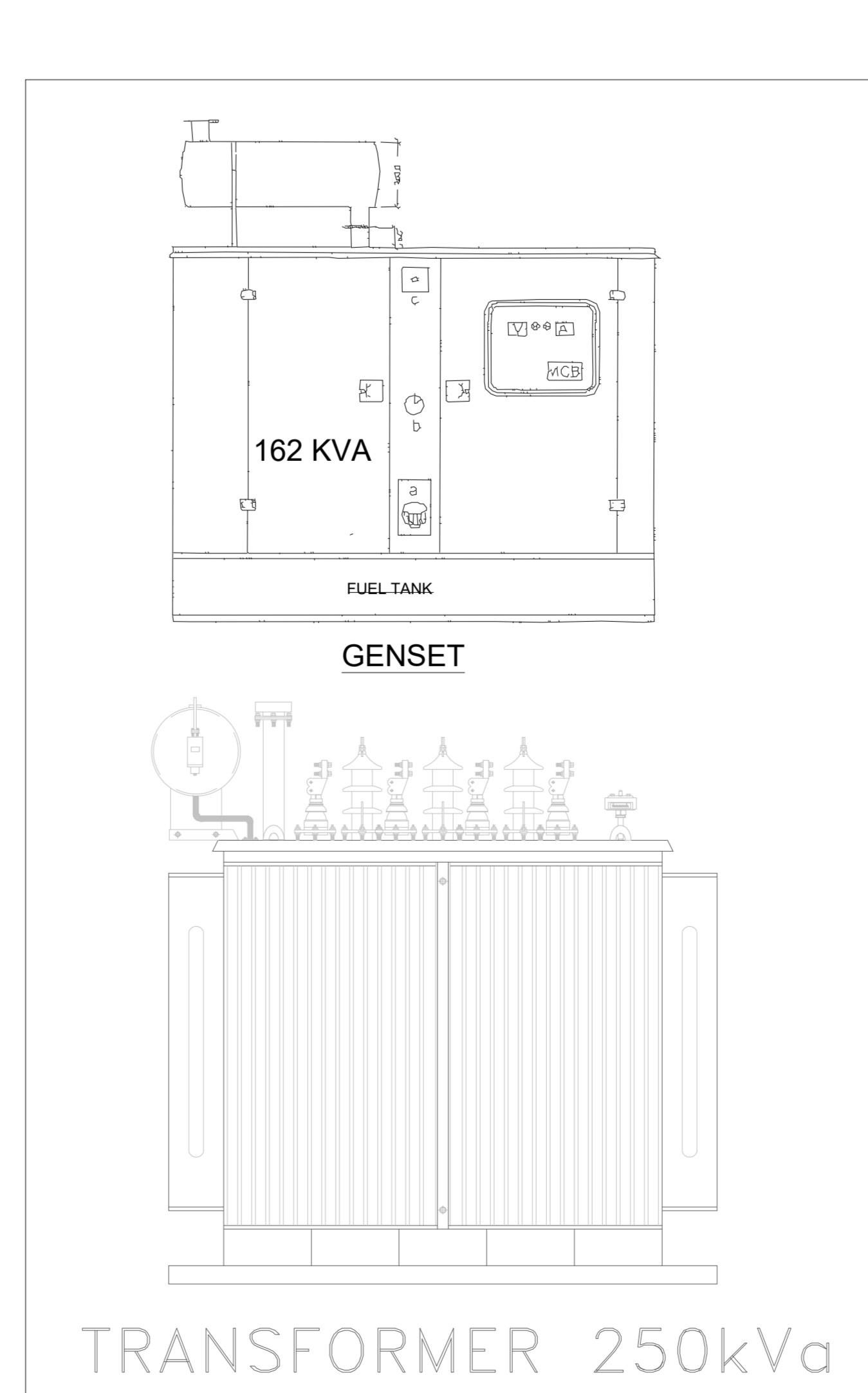
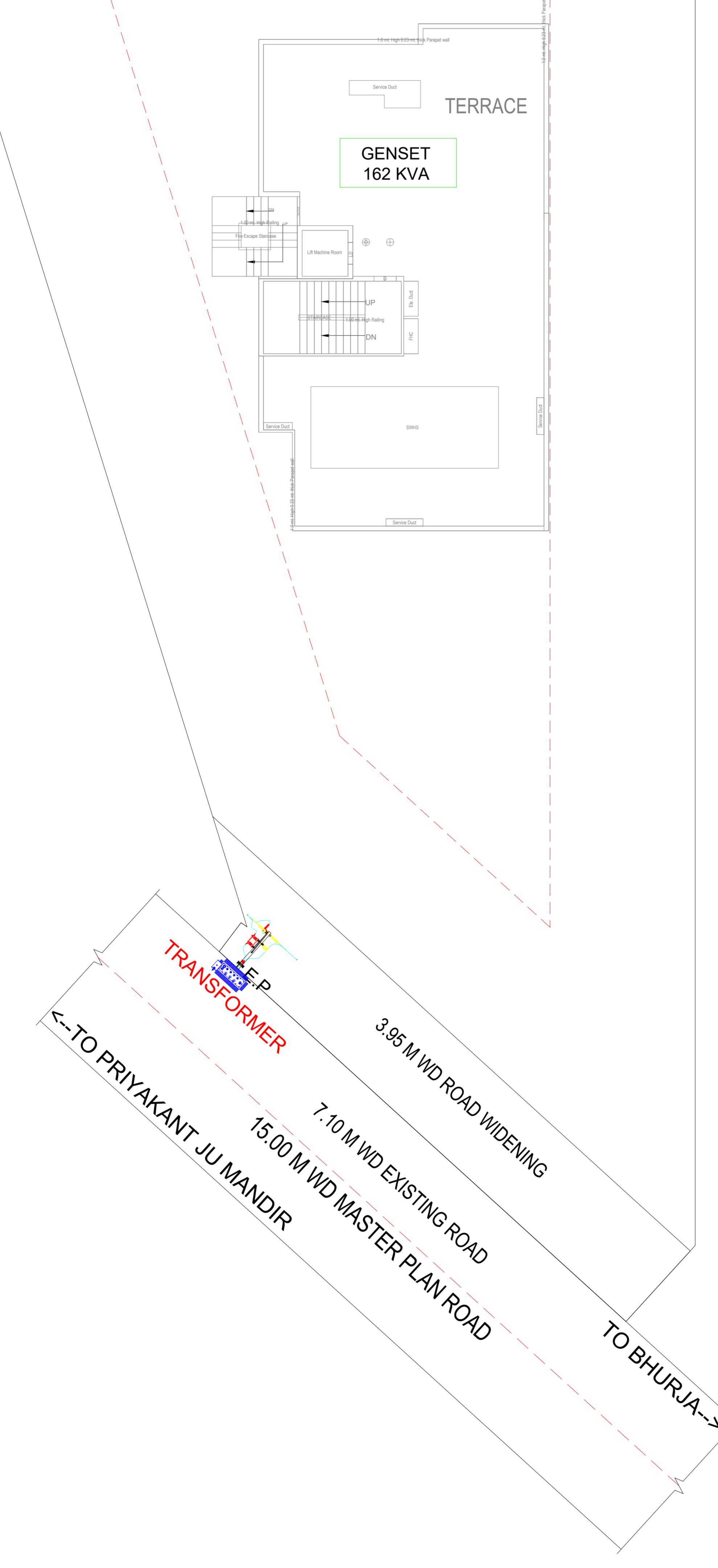


9.00 M WD ROAD



**LEGEND :-**

S. No.	SYMBOL	DESCRIPTION	MOUNTING HEIGHT FROM F.F.L.*
1.	[Symbol]	6A ONE WAY SWITCH BOARD	1. SWITCH BOX 1200 MM.
2.	[Symbol]	6A TWO WAY SWITCH BOARD	2. 6A SOCKET OUTLET 225 MM. (IF NOT ON SWITCH BOARD)
3.	[Symbol]	1200 mmØ CEILING FAN	3.10A SOCKET OUTLET a) IN KITCHEN 300MM. ABOVE WORKING SLAB b) ELSEWHERE 225 MM.
4.	[Symbol]	900 mmØ CEILING FAN	4. 25A SOCKET OUTLET FOR A/C 225 MM.
5.	[Symbol]	CHANDELLIER	5. GEYSER CORD OUTLET 2100 MM.
6.	[Symbol]	1x11W CEILING LIGHT	6. EXHAUST FAN OUTLET ADJACENT TO OPENING
7.	[Symbol]	1x18W CEILING LIGHT	7. T.V. & TELEPHONE OUTLET 225 MM.
8.	[Symbol]	1x11W MIRROR LIGHT	8. BRACKET LIGHT a) ABOVE WASH BASIN 1800 MM. b) ABOVE WORKING SLAB IN KITCHEN 1500 MM. c) ELSEWHERE 2100 MM.
9.	[Symbol]	2x18W CEILING LIGHT	9. T.V. & TELEPHONE JUNCTION BOX 1500 MM.
10.	[Symbol]	1x25W WALL BRACKET LIGHT	10. INTERCOM JUNCTION BOX 1500 MM.
11.	[Symbol]	1x36W WALL MOUNTED LIGHT	11. DISTRIBUTION BOARD 1500 MM.
12.	[Symbol]	NET WORKING	12. METER BOARD AS INSTRUCTED AT SITE OR AS DIRECTED BY ARCHITECTS.
13.	[Symbol]	6A SWITCH SOCKET OUTLET	
14.	[Symbol]	6A SOCKET FOR EXHAUST FAN	
15.	[Symbol]	EXHAUST FAN	
16.	[Symbol]	20A SOCKET FOR GEYSER	
17.	[Symbol]	25A SOCKET FOR AC	
18.	[Symbol]	18A SWITCH SOCKET OUTLET	
19.	[Symbol]	TV POINT	
20.	[Symbol]	TELEPHONE POINT	
21.	[Symbol]	20 mmØ CONDUIT FOR LIGHT	
22.	[Symbol]	20 mmØ CONDUIT FOR TV	
23.	[Symbol]	20 mmØ CONDUIT FOR TELEPHONE	
24.	[Symbol]	25 mmØ CONDUIT FOR POWER	
25.	[Symbol]	TELEPHONE TAG BLOCK	
26.	[Symbol]	TV JUNCTION BOX	
27.	[Symbol]	DISTRIBUTION BOARD	

**NOTES OF CIRCUIT WIRING**

- WIRING SHALL BE DONE WITH SINGLE CORE PVC INSULATED POLY STRANDED FLEXIBLE COPPER CONDUCTOR OF FOLLOWING SIZES.
 

a) CIRCUIT WIRING FOR LIGHT CIRCUITS	2X2.5+1X2.5(E)SQMM.
b) WIRING FOR LIGHT POINTS & 6A SOCKET OUTLETS	2X1.5+1X1.5(E)SQMM.
c) WIRING FOR 1NO. 18A SOCKET OUTLET	2X4.0+1X4.0(E)SQMM.
d) WIRING FOR GEYSER CORD OUTLET	2X4.0+1X4.0(E)SQMM.
e) WIRING FOR A/C SOCKET OUTLET	2X6.0+1X6.0(E)SQMM.
- LV SYSTEM.
 

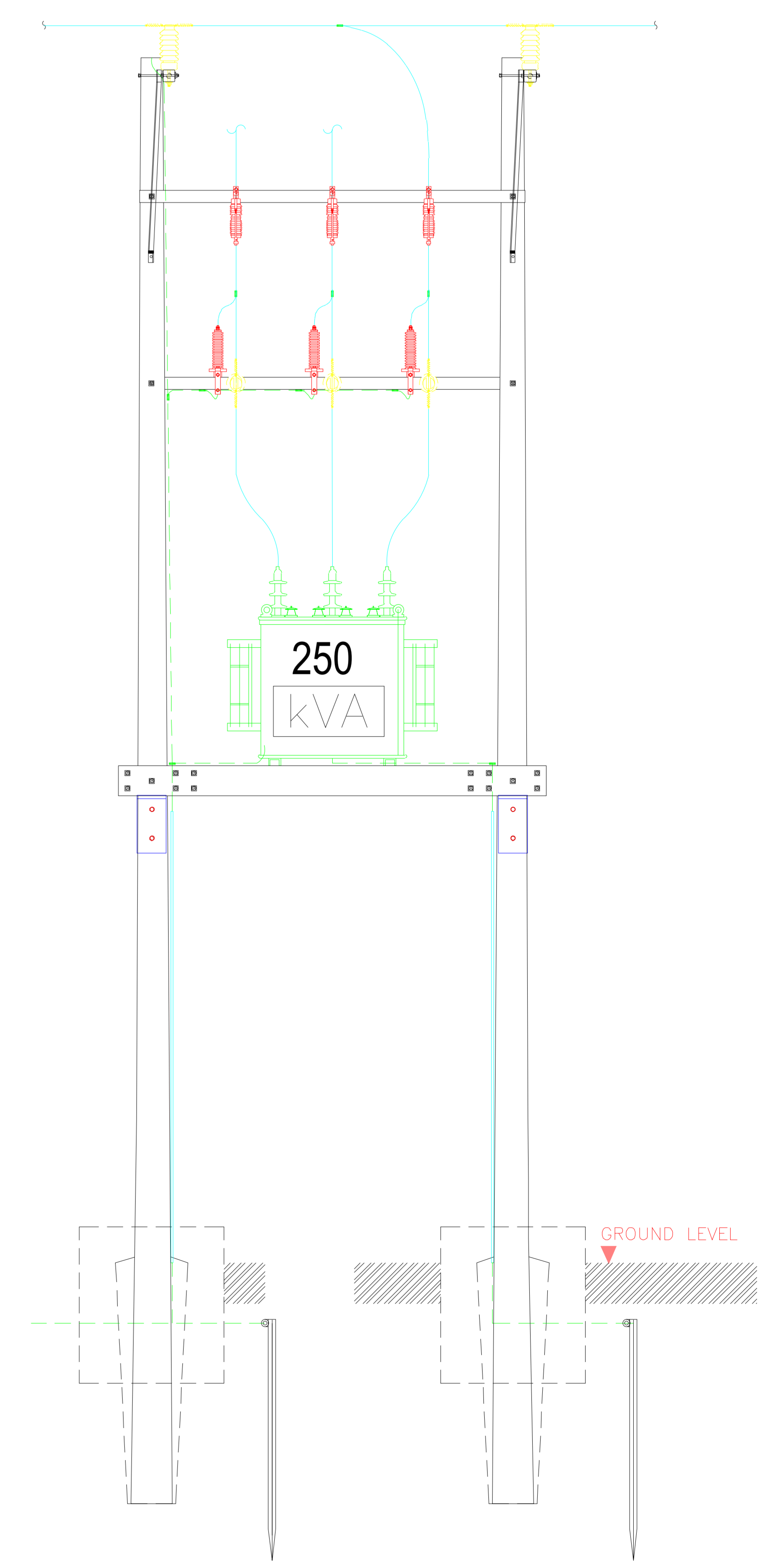
a) WIRING FOR TELEPHONE OUTLET	0.61 MM UNARM.CABLE
b) WIRING FOR TV OUTLET	RG-6

**GENERAL NOTES**

- POWER SUPPLY CABLES SHALL BE SINGLE CORE PVC INSULATED OF SINGLE CORE PVC SHEATHED OR MULTICORE PVC/PVC (AS SHOWN ON DRAWINGS), COPPER CONDUCTOR, VOLT GRADE 600/1000 VOLTS TO BSS-6346-1969.
- WIRINGS CABLES (FROM DB.S TO SWITCH BOARD, POWER OUTLETS, SWITCH BOARDS TO LIGHTS FAN/AMPS. OUTLETS OR CONTROL WIRING) SHALL BE SINGLE CORE, PVC INSULATED, COPPER CONDUCTOR CABLES, VOLTS GRADE 300/500 OR 450/750 VOLT TO BSS-6004-1975
- LIGHTS CIRCUIT (UNLESS OTHERWISE INDICATED) SHALL BE WIRED WITH 2 Nos 7/029 SINGLE CORE PVC CABLES-3/029 SINGLE CORE CABLE AS PC.(PROTECTIVE CONDUCTOR)
- LIGHT/FAN POINTS/5A OUTLET SHALL BE WIRED. 2 Nos. 3/029 SINGLE CORE PVC CABLE+1No 3/029 SINGLE CORE CABLE AS PC.
- 15 Amps. OUTLETS SHALL BE WIRED WITH 2 Nos. 7/036 SINGLE CORE PVC CABLE+7/029 SINGLE CORE AS PC.
- SPLIT A/C UNITS & WINDOW TYPE A/C UNITS SHALL BE WIRED WITH 2 Nos. 7/036 SINGLE CORE CABLE + 7/029 SINGLE CORE CABLE AS PC (PROTECTIVE CONDUCTOR)
- COLOUR OF WIRING CABLES.  
RED, YELLOW, BLUE PHASE  
NEUTRAL BLACK  
EARTH GREEN
- THE NUMBER OF SINGLE CORE CABLE IN ANY PVC CONDUIT SHALL BE DETERMINED SUCH THAT THE RATIO OF CABLE AREA INCLUDING PROTECTIVE CONDUCTOR TO CONDUIT AREA IS NOT MORE THAN 0.3:1, THE FOLLOWING TABLE IS GIVEN AS GENERAL GUIDE LINES

CONDUIT DIA	NUMBER OF CABLES CABLE SIZE ( mm <sup>2</sup> )		
	(3/029)	(7/029)	(7/036)
20	7	4	3
25	16	9	6
32	23	14	10

- WHEREVER CONDUIT SIZE IS NOT SPECIFIED, 20 mm DIA CONDUIT SHALL THE MINIMUM SIZE IF IT MEETS THE ABOVE CRITERIA.
- THE PVC CONDUIT SHALL BE LAID ABOVE THE LOWER LAYER OF THE REINFORCEMENT.
- GOOD QUALITY BINDING SOLUTION SHALL BE APPLIED ON ALL JOINTS.
- PVC CONDUIT SHALL BE TIED FIRMLY WITH REINFORCEMENT NEAR BENDS, SOCKET, JUNCTION BOXES, FAN BOXES.
- ALL JUNCTION BOXES & FAN BOXES SHOULD BE INSTALLED PARALLEL TO THE SURFACE OF CEILING.
- BENDS SHALL BE USED ONLY ON "DOWN"/"UP" POSITIONS, NO BEND SHALL BE INSTALLED IN SLAB.
- THERE SHALL NOT BE MORE THEN TWO BENDS IN ANY ROUTE OF CONDUITS OTHERWISE PULL BOXES SHALL BE INSTALLED AFTER TWO BENDS.
- PVC CONDUIT IN WALLS SHALL BE RECESSED AFTER MAKING GROVE WITH CUTTER IT SHALL BE COVERED WITH ATLEAST 1" COVER OF PLASTER.
- ALL CONDUITS NETWORK SHALL BE CLEANED & CHECKED USING PULL WIRES. THE CABLES SHALL BE DRAWN CAREFULLY, NOT APPLYING EXCESSIVE FORCE, NOT DAMAGING THE CABLES, THERE SHALL BE NO JOINT IN CABLE IN CONDUIT, JOINT IN CABLES SHALL BE MADE ONLY IN SWITCH BOARD, JUNCTION BOXES, PULL BOXES.
- THE INSULATION RESISTANCE TEST SHALL BE PERFORMED ON ALL ELECTRICAL EQUIPMENT AND WIRING USING MEGGER TESTER, THE MINIMUM ACCEPTABLE INSULATION RESISTANCE VALUE SHALL BE 1 MEGAOHM
- THE CONTRACTOR SHALL KEEP A CAREFUL RECORD OF ALL CHANGES/REVISION TO THE ORIGINAL DESIGN.
- THE CONTRACTOR SHALL PREPARE, AND SUBMIT FOR APPROVAL SHOP DRAWINGS SHOWING EXACT ROUTES OF CONDUITS/CABLE/CABLE TRAYS ETC. AND FOR DBs & PANELS BEFORE STARTING EXECUTION.
- THE CONTRACTOR SHALL KEEP A CAREFUL RECORD OF ALL CHANGES/REVISION TO THE ORIGINAL DESIGN.
- EARTH RESISTANCE VALUE OF EARTHING : LESS THAN 1 OHM
- ALL THE INTERNAL ELECTRIFICATION WILL BE DONE AFTER THE FINALIZATION OF FURNITURE AND INTERIOR PLAN



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PROPOSED GROUP HOUSING GROUP HOUSING (SHRI KRISHNARPANAM)  
 BUILDING SITUATED AT PART OF KHASRA NO.- 174 , 175 176 ,179 MAUJA.  
 CHHATIKARA VRINDAVAN TEH. & DISTT. -MATHURA

**ELECTRICAL PLAN**

Drawing number	-	001	NORTH :
Date	-	10.09.2025	
Drawn by		Ram Gupta	
Checked By		Ar.Samarth Chaturvedi	

