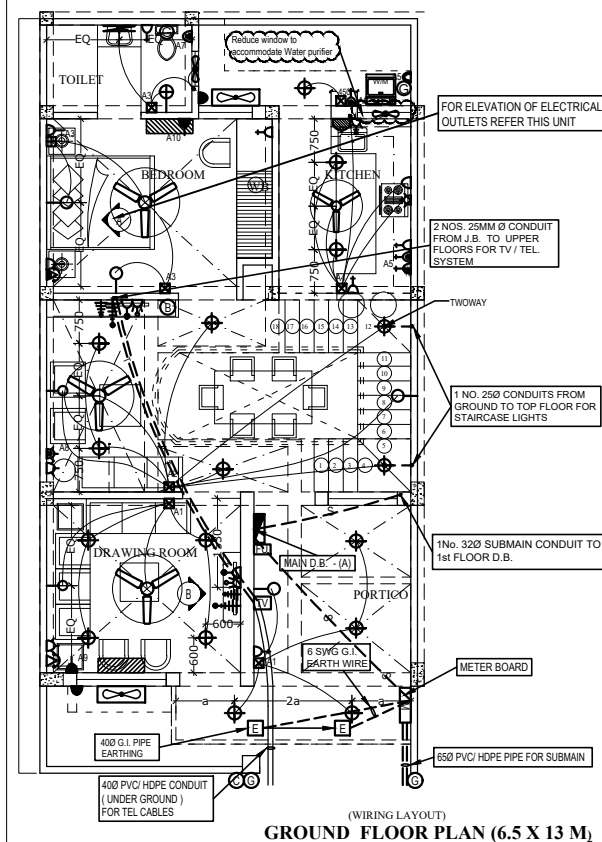




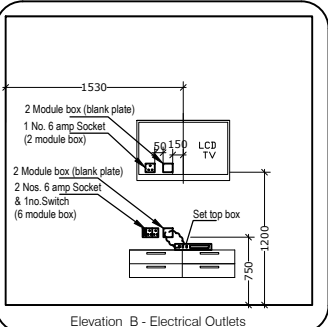
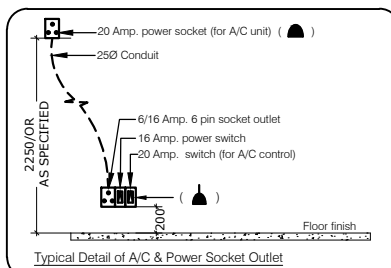
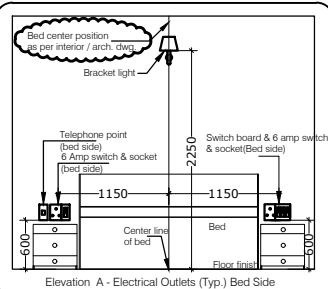
Notes : (Electrical)

- R, Y & B indicates phases.
- The number written near the switch board and power points indicates circuit number. for detail of circuits refer distribution board charts.
- The size of wires from switch board to different light and fan points shall be 1.0 sq. m.m.
- For secondary power point the circuit wire shall be looped from first power point by 2 x 2.5 sq.m.m. (Wherever specified)
- 6 amp. switch socket shall be connected to the lighting ckt. of that area by 1.0 sq.m.m..
- The size of submain conduit shall be 40Ø or as mention in D. B. schedule.
- TV / Tel. conduit sizes shall be 25Ø.
- The conduits used for wiring shall be as follows :
 - PVC - Heavy duty (2 mm thick) : In RCC slab / RCC Wall
 - PVC - Medium duty (1.6 mm thick) : In brick wall / Block Work
 - The minimum conduit size in RCC Slab / RCC Wall shall be 25 mm dia.
- No two dissimilar phase circuit / wire shall run together through same conduit.
- Light and power circuit shall be drawn through separate conduit.
- Wiring shall be carried out as per colour code i.e. R, Y, B phases and black - neutral and green - earth.
- The position mentioned in legend is bottom of switch board / outlets.
- Conduit drop should be precisely co-ordinated with brick work. It is advised to mark brick layout on slab before casting for exact position of conduit drop.
- In case of two way fans, the switch will be provided on main board, while regulator will be provided on bed side board.
- In case of any discrepancy in the drawing, the same may be brought to the notice of electrical consultant for approval before execution.
- The Earth Continuity wire has to be laid for all electrical outlets / sockets / light / fan points. Size of earth wire shall be as follows :-

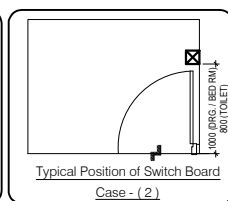
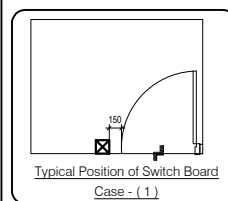
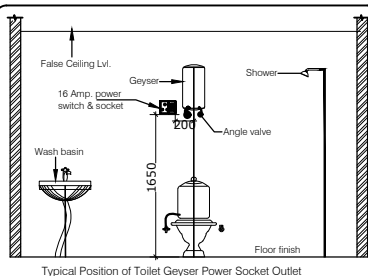
Phase Wire (sq.m.m.)	2x1.5	2x2.5	2x4	2x6	2x10	2x16	4x6	4x10	4x16
Earth Wire (sq.m.m.)	1x1.0	1x1.5	1x2.5	1x4	1x6	1x6	2x4	2x6	2x6

LEGEND : (Electrical System)

S. No.	SYMBOL	DESCRIPTION	POSITION
1.		LIGHT POINT/ WALL BRACKET	2250
2.		CEILING LIGHT (SURFACE)	
3.		STAIR CASE LED LIGHT	
4.		LIGHT POINT/ WALL BRACKET	2150
5.		MIRROR LIGHT	2000
6.		GATE LIGHT	
7.		CHANDLIER	
8.		CEILING FAN	
9.		EXHAUST FAN / CEILING ROSE	2000
10.		6 AMP SWITCH & SOCKET	200
11.		6 AMP SWITCH & SOCKET (BED SIDE)	600
12.		1 NO. 6 AMP SOCKET OUTLET (FOR T.V.)	1200
13.		2 NOS 6 AMP SOCKET OUTLET FOR SET TOP BOX / DVD CONTROLLED BY 1 NO. SWITCH (FOR T.V.)	750
14.		6 AMP SWITCH & SOCKET	1050
15.		6 AMP SWITCH & SOCKET (FOR RO)	1650
16.		6 AMP SOCKET OUTLET (FOR GAS BURNER, BELOW COUNTER (SWITCH AT MAIN BOARD)	550
17.		6 AMP SOCKET OUTLET (FOR CHIMNEY) (SWITCH WILL BE AT MAIN BOARD)	2150
18.		6/16 AMP POWER SWITCH & SOCKET	200
19.		6/16 AMP POWER SWITCH & SOCKET	1050
20.		16 AMP. POWER SWITCH & SOCKET (FOR TOL. GEYSER)	1650 / OR AS SPECIFIED
21.		16 AMP. POWER SOCKET (FOR KIT. GEYSER, CONTROL AT SWITCH BOARD)	2200
22.		16 AMP SWITCH CONTROL FOR KIT. GEYSER	1050
23.		20 AMP. SOCKET FOR A/C UNIT	2250 / OR AS SPECIFIED
24.		20 AMP. SWITCH FOR A/C UNIT & 16 AMP SWITCH / SOCKET (POWER POINT)	200 / OR AS SPECIFIED
25.		TELEPHONE POINT	200
26.		TELEPHONE POINT (BED SIDE)	600
27.		2 MODULE BOX (FOR T.V. ANTENNA POINT)	750
28.		T.V. ANTENNA POINT	1200
29.		CALL BELL PUSH	1050
30.		BUZZER	2250
31.		SWITCH BOARD	600
32.		SWITCH BOARD	1050
33.		T.V. & TEL. JUNCTION BOX	200 / 2250
34.		DISTRIBUTION BOARD	1500
35.		FREEDOM / DISPLAY UNIT	1500
36.		INDICATES CONTROLLING OF LIGHT/FAN FROM SWITCH BOARD	
37.		INDICATIVE CONDUIT RUN FOR SUBMAIN	
38.		INDICATIVE CONDUIT RUN FOR TELEPHONE / T.V. SYSTEM	
39.		INDICATIVE CONDUIT RUN FOR LIGHT / FAN CIRCUIT	
40.		INDICATIVE CONDUIT RUN FOR POWER / A.C. CIRCUIT	
41.		A/C OUTDOOR UNIT	
42.		A/C INDOOR UNIT	



MAIN DISTRIBUTION BOARD : (A) (6 WAY - TPN) (SUITABLE FOR 3Ø OUTGOING)				
LOCATION :- GROUND FLOOR				
CKT. NO.	WIRE SIZE IN SQ. M.M.	SP. MCB'S RATING IN AMP	LOCATION	PHASE
A-1	2 x 1.5	6	DRAWING ROOM / PORTICO	R
A-2	2 x 1.5	6	DINING / STAIRCASE	R
A-3	2 x 1.5	6	BEDROOM / TOILET	R
A-4	2 x 1.5	6	KITCHEN	R
A-5	2x4/2x2.5	20	KITCHEN (GEYSER) & KITCHEN (POWER)	B
A-6	2 x 2.5	16	WASHING MACHINE (POWER POINT)	B
A-7	2 x 2.5	16	TOILET (GEYSER)	Y
A-8	2 x 2.5	16	DINING (POWER)	Y
A-9	2 x 4	20	DRAWING (AC CKT.)	Y
A-10	2 x 4	20	BEDROOM (AC CKT.)	B
A-11				R
A-12	4 x 6	32	TO D. B. (B) - FIRST FLOOR	Y
A-13				B
A-14 TO A-16			SPARES	
INCOMER :- 63 AMP FP MCB + 63 AMP FP RCCB (30mA)				
SUBMAIN :- (4 X 16) + (2 X 6) SQ. M. M. (40Ø CONDUIT)				



- CHECK & PROVIDE FRIDGE LOCATION.
- CHECK & CONFORM PROVISION OF TV IN BED ROOM.

rev. no.	date	revision
R0	15.05.2018	Issued as an advance copy for approval

project
PROPOSED HOUSING
AT DOHRA FOR- AMILTUS BUILDERS PVT.LTD

title
ELECTRICAL DRAWING (UNIT 6.5x13m)

sub title
GROUND FLOOR PLAN

drawing released for

☐ APPROVAL ☐ SUBMISSION

☒ ADVANCE COPY ☐ CONSTRUCTION

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scale 1:65 @ A2 **designed by** Badri Vishal

date 14.05.2019 **ckd by** Anand Havelia

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