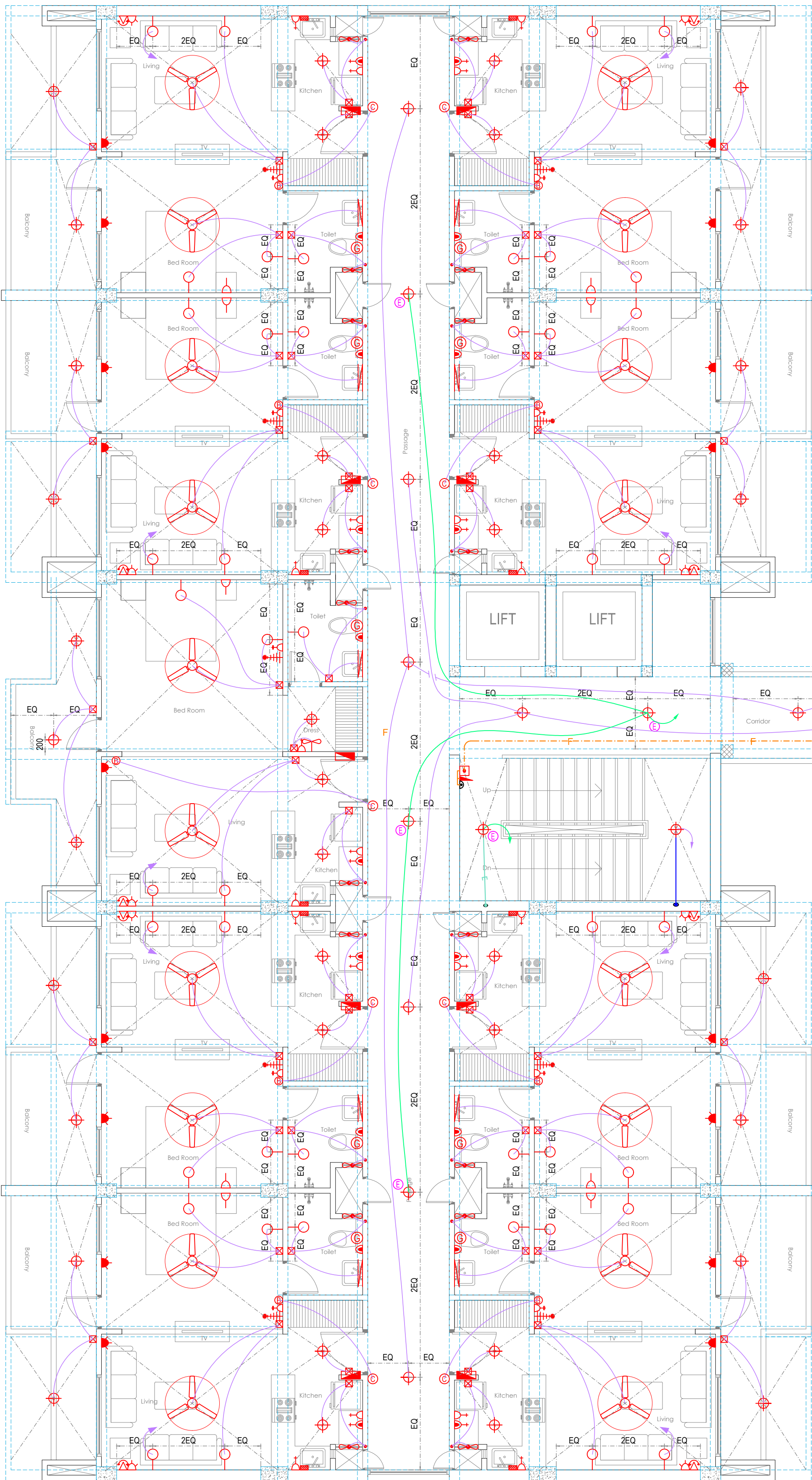
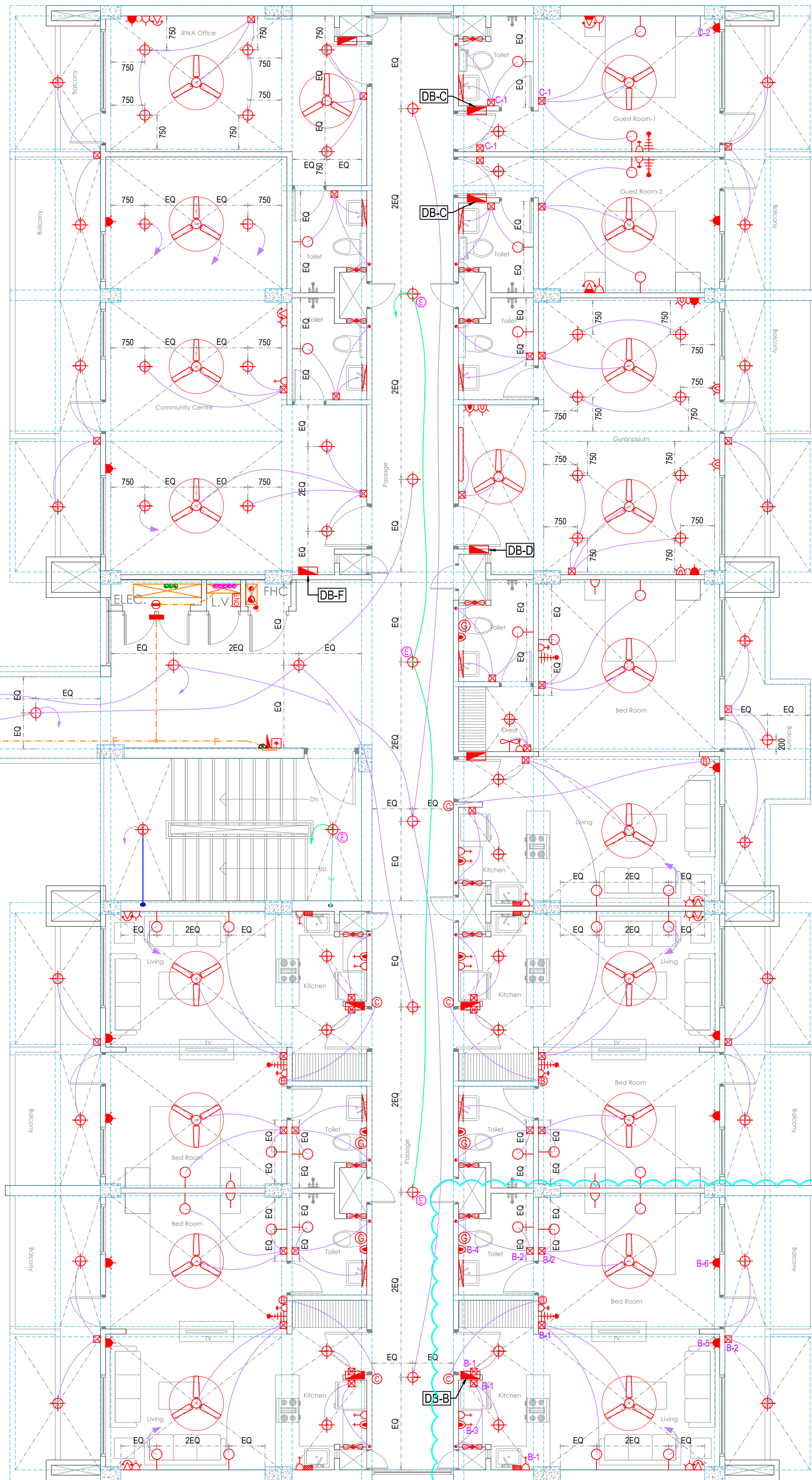




FIRST FLOOR PLAN
SECTOR-H



FIRST FLOOR PLAN
SECTOR-H

Typical detail of Distribution Board : (B)

Notes : (Electrical)

- 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.mm. (Wherever specified)
- 6 amp. plug shall be connected to the lighting ckt. of that area.
- Flexible conduit shall be used at expansion joints for electrical & L.V. wires.
- Parking / Corridor / Staircase lights shall be directly controlled from MCB - DB through 2 x 1.5 sq.mm wires as shown in drawings.
- 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 sequence of phase distribution in different towers will be different for overall phase balancing.
- The position mentioned in legend is bottom of switch board / outlets.
- The openings inside Electrical, LV & Fire shaft should be sealed at each floor.
- In case of any discrepancy in the drawing, the same may be brought to the notice of electrical consultant for approval before execution.
- Size of earth wire shall be as follows :-

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

Distribution Board : (B) (12 WAY - SPN)
Location :- First Floor (Sector-H)

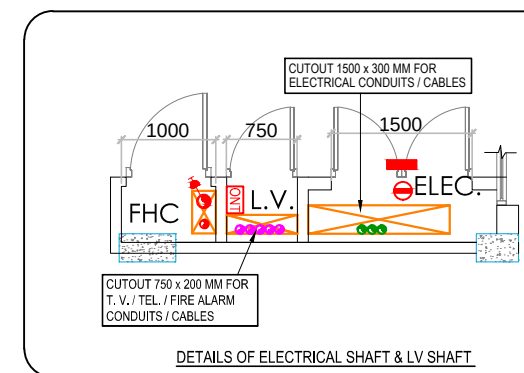
CKT. NO.	WIRE SIZE IN SQ. M.M.	SP. MCB'S RATING IN AMP	LOCATION
B-1	2 x 1.5	6	Kitchen & Living
B-2	2 x 1.5	6	Bed Room & Toilet
B-3	2 x 2.5	6	Kitchen Power
B-4	2 x 2.5	6	Toilet-Geyser
B-5	2 x 4	20	Living (AC unit-1)
B-6	2 x 4	20	Bed Room (AC unit-2)

B-7 to B-10
INCOMER :- 63 AMP DP MCB + 63 AMP DP RCCB (30mA) (10KA) TYPE-A
SUBMAIN :- 2X 16 + 1 x 6 SQ. M.M. + 3 PAIR (250 CONDUIT)
TEL. WIRE FOR METER INDICATION

Distribution Board : (c) (6 WAY - SPN)
Location :- First Floor (Guest Room)

CKT. NO.	WIRE SIZE IN SQ. M.M.	SP. MCB'S RATING IN AMP	LOCATION
C-1	2 x 1.5	6	Guest Room
C-2	2 x 4	20	Guest Room (AC unit)

C-3 to C-4
INCOMER :- 25 AMP DP MCB + 25 AMP DP RCCB (30mA) (10KA) TYPE-A
SUBMAIN :- 2X 6 + 1 x 4 SQ. MM. (250 CONDUIT)



LEGEND : (Electrical)

S. No.	SYMBOL	DESCRIPTION	POSITION
1.		LIGHT POINT WALL BRACKET	2250
2.		CEILING LIGHT (SURFACE)	
3.		1 x 28 WATT T5 TUBE LIGHT (SURFACE)	2250
4.		MIRROR LIGHT	2000
5.		CEILING FAN	
6.		EXHAUST FAN / CEILING ROSE	2000
7.		WALL MOUNTING REVOLVING FAN	2250
8.		6 AMP PLUG POINT	200
9.		6 AMP PLUG POINT (BED SIDE)	550
10.		6 AMP PLUG POINT (FOR T.V.)	900
11.		6 AMP PLUG POINT	1050
12.		6 AMP SOCKET OUTLET (FOR CHIMNEY) (SWITCH WILL BE AT MAIN BOARD)	2150
13.		6/16 AMP POWER POINT	200
14.		6/16 AMP POWER POINT	1050
15.		16 AMP. POWER POINT (FOR GEYSER)	1650 / OR AS SPECIFIED
16.		20 AMP SWITCH / SOCKET (A/C POINT)	200
17.		20 AMP. INDUSTRIAL SOCKET	200
18.		TELEPHONE POINT	200
19.		TELEPHONE POINT (BED SIDE)	550
20.		T.V. ANTENNA POINT	900
21.		CALL BELL PUSH	1350
22.		BUZZER	2250
23.		SWITCH BOARD	1050
24.		DISTRIBUTION BOARD (TOP LEVEL)	2100
25.		OPTICAL TYPE SMOKE DETECTOR	
26.		RESPONSE INDICATOR	2250
27.		ELECTRONIC HOOTER / SPEAKER	2250
28.		MANUAL CALL POINT (BREAK GLASS TYPE)	1050
29.		TALK BACK UNIT	1200
30.		INDICATES CONTROLLING OF LIGHT/FAN FROM SWITCH BOARD	
31.		INDICATES CONTROLLING OF EMERGENCY LIGHT	
32.		INDICATIVE CONDUIT RUN FOR LIGHT / FAN CIRCUIT	
33.		INDICATIVE CONDUIT RUN FOR EMERGENCY LIGHTING	
34.		EMERGENCY LIGHT POINT INDICATION	
35.		INDICATIVE CONDUIT (250) RUN FOR FIRE ALARM SYSTEM	

R2	02.07.2015	ISSUED AS ADVANCED COPY
R1	11.06.2015	DB DETAIL REVISED
rev. no.	date	revision

project
PROPOSED GROUP HOUSING
AT SECTOR-H, KANPUR ROAD SCHEME, LUCKNOW

title
ELECTRICAL DRAWING

sub-title
LIGHTING & POWER LAYOUT
First Floor

drawing released for
☐ APPROVAL ☐ SUBMISSION
☒ ADVANCE COPY ☐ CONSTRUCTION

drg. no.
KR / SEC-H / ELEC - 02

scale
1:70 @ A1

date
Sept. 2014

architects
rajesh & associates
architects, engineers, planners & interior designers
magna house, first floor, P-2, infinity II, gurugram-122 001, india
tel : +91-124-4626666 fax : +91-124-4626666
3, b.n. road, kaiserbagh, lucknow-226 001, india
Tel : +91-522-2626633 +91-522-2623360
email : rajeshassoc@rediffmail.com

services consultant
Consummate Engineering Services (P) Ltd.
Noida Office : B - 67, Sector - 67, Noida - 201 301
Tel : (0120) 2593500 (30 Lines)
Lko. Office : R 006, Rohas Plumeria, Gomti Nagar, Lucknow
Tel : (0522) 6515455
e mail : mail@cespln, website : www.cespln