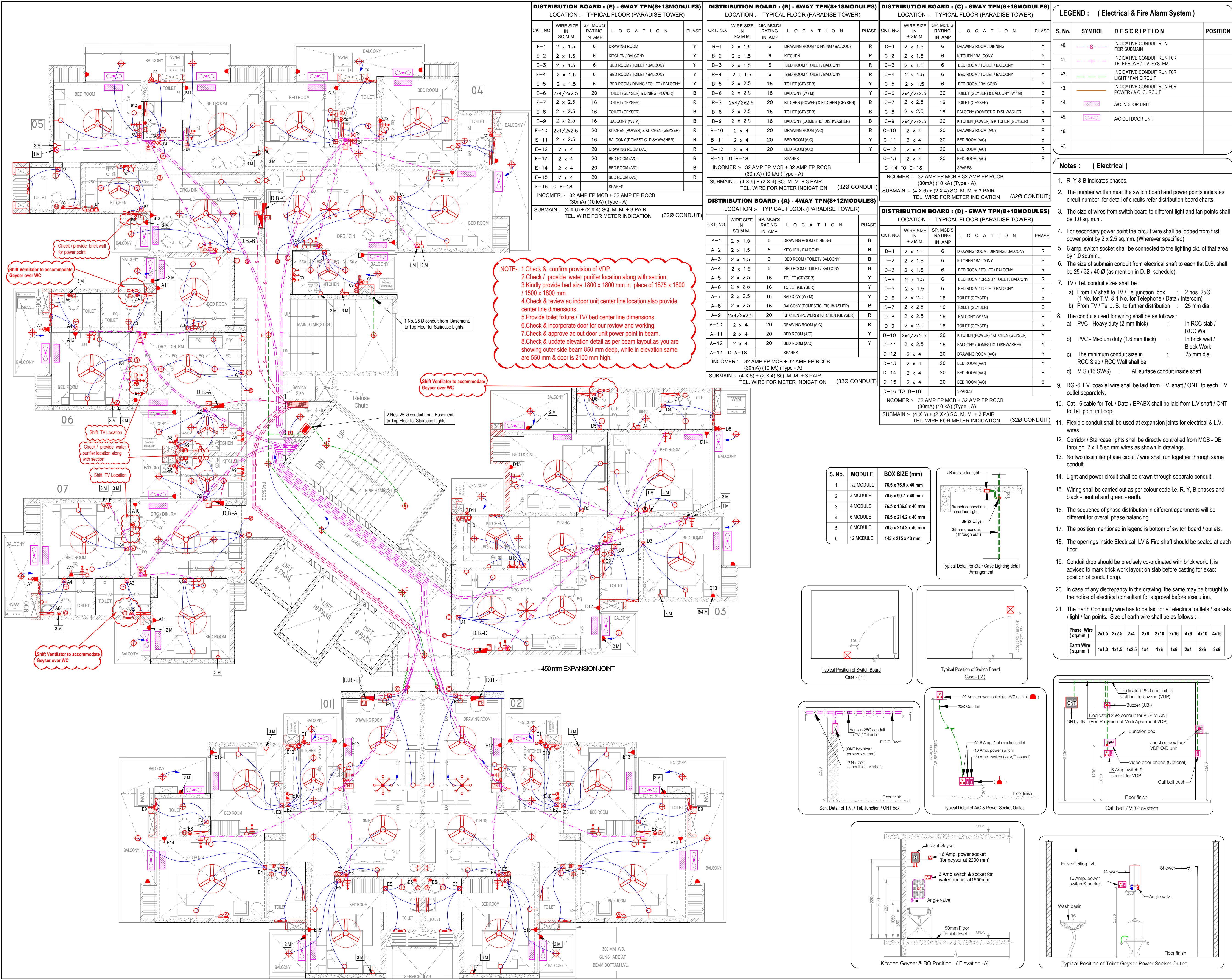




DISTRIBUTION BOARD : (E) - 6WAY TPN(8+18MODULES)				
LOCATION :- TYPICAL FLOOR (PARADISE TOWER)				
CKT. NO.	WIRE SIZE IN SQ.M.M.	SP. MCB'S RATING IN AMP	LOCATION	PHASE
E-1	2 x 1.5	6	DRAWING ROOM	Y
E-2	2 x 1.5	6	KITCHEN / BALCONY	Y
E-3	2 x 1.5	6	BED ROOM / TOILET / BALCONY	Y
E-4	2 x 1.5	6	BED ROOM / TOILET / BALCONY	Y
E-5	2 x 1.5	6	BED ROOM / DINING / TOILET / BALCONY	Y
E-6	2x4/2x2.5	20	TOILET (GEYSER) & DINING (POWER)	B
E-7	2 x 2.5	16	TOILET (GEYSER)	R
E-8	2 x 2.5	16	TOILET (GEYSER)	B
E-9	2 x 2.5	16	BALCONY (W / M)	B
E-10	2x4/2x2.5	20	KITCHEN (POWER) & KITCHEN (GEYSER)	R
E-11	2 x 2.5	16	BALCONY (DOMESTIC DISHWASHER)	R
E-12	2 x 4	20	DRAWING ROOM (A/C)	R
E-13	2 x 4	20	BED ROOM (A/C)	B
E-14	2 x 4	20	BED ROOM (A/C)	B
E-15	2 x 4	20	BED ROOM (A/C)	R
E-16 TO E-18			SPARES	
INCOMER :- 32 AMP FP MCB + 32 AMP FP RCCB (30mA) (10 kA) (Type - A)				
SUBMAIN :- (4 X 6) + (2 X 4) SQ. M. M. + 3 PAIR TEL. WIRE FOR METER INDICATION (32Ø CONDUIT)				

DISTRIBUTION BOARD : (B) - 6WAY TPN(8+18MODULES)				
LOCATION :- TYPICAL FLOOR (PARADISE TOWER)				
CKT. NO.	WIRE SIZE IN SQ.M.M.	SP. MCB'S RATING IN AMP	LOCATION	PHASE
B-1	2 x 1.5	6	DRAWING ROOM / DINING / BALCONY	R
B-2	2 x 1.5	6	KITCHEN	R
B-3	2 x 1.5	6	BED ROOM / TOILET / BALCONY	R
B-4	2 x 1.5	6	BED ROOM / TOILET / BALCONY	R
B-5	2 x 2.5	16	TOILET (GEYSER)	Y
B-6	2 x 2.5	16	BALCONY (W / M)	Y
B-7	2x4/2x2.5	20	KITCHEN (POWER) & KITCHEN (GEYSER)	B
B-8	2 x 2.5	16	TOILET (GEYSER)	B
B-9	2 x 2.5	16	BALCONY (DOMESTIC DISHWASHER)	B
B-10	2 x 4	20	DRAWING ROOM (A/C)	B
B-11	2 x 4	20	BED ROOM (A/C)	Y
B-12	2 x 4	20	BED ROOM (A/C)	Y
B-13 TO B-18			SPARES	
INCOMER :- 32 AMP FP MCB + 32 AMP FP RCCB (30mA) (10 kA) (Type - A)				
SUBMAIN :- (4 X 6) + (2 X 4) SQ. M. M. + 3 PAIR TEL. WIRE FOR METER INDICATION (32Ø CONDUIT)				

DISTRIBUTION BOARD : (C) - 6WAY TPN(8+18MODULES)				
LOCATION :- TYPICAL FLOOR (PARADISE TOWER)				
CKT. NO.	WIRE SIZE IN SQ.M.M.	SP. MCB'S RATING IN AMP	LOCATION	PHASE
C-1	2 x 1.5	6	DRAWING ROOM / DINING	Y
C-2	2 x 1.5	6	KITCHEN / BALCONY	Y
C-3	2 x 1.5	6	BED ROOM / TOILET / BALCONY	Y
C-4	2 x 1.5	6	BED ROOM / TOILET / BALCONY	Y
C-5	2 x 1.5	6	BED ROOM / BALCONY	Y
C-6	2x4/2x2.5	20	TOILET (GEYSER) & BALCONY (W / M)	B
C-7	2 x 2.5	16	TOILET (GEYSER)	R
C-8	2 x 2.5	16	BALCONY (DOMESTIC DISHWASHER)	B
C-9	2x4/2x2.5	20	KITCHEN (POWER) & KITCHEN (GEYSER)	R
C-10	2 x 4	20	DRAWING ROOM (A/C)	R
C-11	2 x 4	20	BED ROOM (A/C)	B
C-12	2 x 4	20	BED ROOM (A/C)	R
C-13	2 x 4	20	BED ROOM (A/C)	B
C-14 TO C-18			SPARES	
INCOMER :- 32 AMP FP MCB + 32 AMP FP RCCB (30mA) (10 kA) (Type - A)				
SUBMAIN :- (4 X 6) + (2 X 4) SQ. M. M. + 3 PAIR TEL. WIRE FOR METER INDICATION (32Ø CONDUIT)				

DISTRIBUTION BOARD : (A) - 4WAY TPN(8+12MODULES)				
LOCATION :- TYPICAL FLOOR (PARADISE TOWER)				
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 / DINING	B
A-2	2 x 1.5	6	KITCHEN / BALCONY	B
A-3	2 x 1.5	6	BED ROOM / TOILET / BALCONY	B
A-4	2 x 1.5	6	BED ROOM / TOILET / BALCONY	B
A-5	2 x 2.5	16	TOILET (GEYSER)	Y
A-6	2 x 2.5	16	TOILET (GEYSER)	Y
A-7	2 x 2.5	16	BALCONY (W / M)	Y
A-8	2 x 2.5	16	BALCONY (DOMESTIC DISHWASHER)	R
A-9	2x4/2x2.5	20	KITCHEN (POWER) & KITCHEN (GEYSER)	R
A-10	2 x 4	20	DRAWING ROOM (A/C)	R
A-11	2 x 4	20	BED ROOM (A/C)	Y
A-12	2 x 4	20	BED ROOM (A/C)	Y
A-13 TO A-18			SPARES	
INCOMER :- 32 AMP FP MCB + 32 AMP FP RCCB (30mA) (10 kA) (Type - A)				
SUBMAIN :- (4 X 6) + (2 X 4) SQ. M. M. + 3 PAIR TEL. WIRE FOR METER INDICATION (32Ø CONDUIT)				

DISTRIBUTION BOARD : (D) - 6WAY TPN(8+18MODULES)				
LOCATION :- TYPICAL FLOOR (PARADISE TOWER)				
CKT. NO.	WIRE SIZE IN SQ.M.M.	SP. MCB'S RATING IN AMP	LOCATION	PHASE
D-1	2 x 1.5	6	DRAWING ROOM / DINING / BALCONY	R
D-2	2 x 1.5	6	KITCHEN / BALCONY	R
D-3	2 x 1.5	6	BED ROOM / TOILET / BALCONY	R
D-4	2 x 1.5	6	BED ROOM / DRESS / TOILET / BALCONY	R
D-5	2 x 1.5	6	BED ROOM / TOILET / BALCONY	R
D-6	2 x 2.5	16	TOILET (GEYSER)	B
D-7	2 x 2.5	16	TOILET (GEYSER)	B
D-8	2 x 2.5	16	BALCONY (W / M)	B
D-9	2 x 2.5	16	TOILET (GEYSER)	Y
D-10	2x4/2x2.5	20	KITCHEN (POWER) / KITCHEN (GEYSER)	Y
D-11	2 x 2.5	16	BALCONY (DOMESTIC DISHWASHER)	Y
D-12	2 x 4	20	DRAWING ROOM (A/C)	Y
D-13	2 x 4	20	BED ROOM (A/C)	Y
D-14	2 x 4	20	BED ROOM (A/C)	B
D-15	2 x 4	20	BED ROOM (A/C)	B
D-16 TO D-18			SPARES	
INCOMER :- 32 AMP FP MCB + 32 AMP FP RCCB (30mA) (10 kA) (Type - A)				
SUBMAIN :- (4 X 6) + (2 X 4) SQ. M. M. + 3 PAIR TEL. WIRE FOR METER INDICATION (32Ø CONDUIT)				

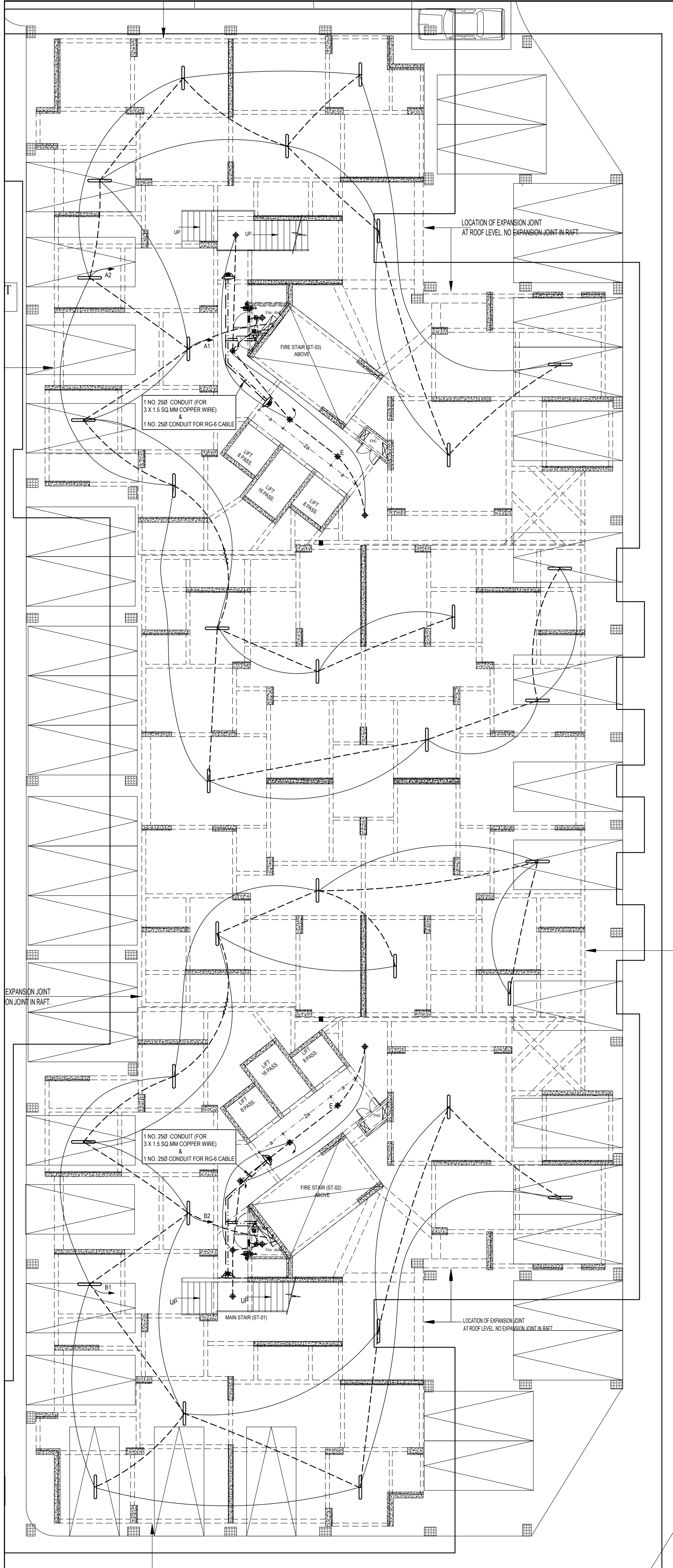
LEGEND : (Electrical & Fire Alarm System)			
S. No.	SYMBOL	DESCRIPTION	POSITION
40.		INDICATIVE CONDUIT RUN FOR SUBMAIN	
41.		INDICATIVE CONDUIT RUN FOR TELEPHONE / T.V. SYSTEM	
42.		INDICATIVE CONDUIT RUN FOR LIGHT / FAN CIRCUIT	
43.		INDICATIVE CONDUIT RUN FOR POWER / A.C. CIRCUIT	
44.		A/C INDOOR UNIT	
45.		A/C OUTDOOR UNIT	
46.			
47.			

- 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. mm.
 - 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. switch socket shall be connected to the lighting ckt. of that area by 1.0 sq. mm.
 - The size of submain conduit from electrical shaft to each flat D.B. shall be 25 / 32 / 40 Ø (as mention in D. B. schedule).
 - TV / Tel. conduit sizes shall be :
 - From LV shaft to TV / Tel junction box : 2 nos. 25Ø (1 No. for T.V. & 1 No. for Telephone / Data / Intercom)
 - From TV / Tel J. B. to further distribution : 25 mm dia.
 - The conduits used for wiring shall be as follows :
 - PVC - Heavy duty (2 mm thick) : In RCC slab / RCC Wall / In brick wall / Block Work 25 mm dia.
 - PVC - Medium duty (1.6 mm thick) : In brick wall / Block Work 25 mm dia.
 - The minimum conduit size in RCC Slab / RCC Wall shall be 25 mm dia.
 - M.S.(16 SWG) : All surface conduit inside shaft
 - RG-6 T.V. coaxial wire shall be laid from L.V. shaft / ONT to each T.V outlet separately.
 - Cat - 6 cable for Tel / Data / EPABX shall be laid from L.V. shaft / ONT to Tel. point in Loop.
 - Flexible conduit shall be used at expansion joints for electrical & L.V. wires.
 - 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 apartments 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.
 - Conduit drop should be precisely co-ordinated with brick work. It is advised to mark brick work layout on slab before casting for exact position of conduit drop.
 - 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.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	2x4	2x6	2x6

LEGEND : (Electrical & Fire Alarm System)			
S. No.	SYMBOL	DESCRIPTION	POSITION
1.		LIGHT POINT / WALL BRACKET	2250
2.		ENTRANCE LIGHT	2400 / AS SPECIFIED
3.		CEILING LIGHT (SURFACE)	
4.		CORRIDOR / STAIR CASE LED LIGHT	
5.		CORRIDOR / STAIR CASE LED LIGHT EMERGENCY LIGHT	
6.		LIGHT POINT / WALL BRACKET	2150
7.		MIRROR LIGHT	2000
8.		CHANDLIER	
9.		CEILING FAN	
10.		EXHAUST FAN / CEILING ROSE	2000
11.		6 AMP SWITCH & SOCKET	200
12.		6 AMP SWITCH & SOCKET (BED SIDE)	550
13.		2 NOS. 6 AMP SOCKET CONTROLLED BY 1 NO. SWITCH (FOR T.V.)	900
14.		6 AMP SWITCH & SOCKET	900
15.		6 AMP SWITCH & SOCKET	1050
16.		6 AMP SWITCH & SOCKET (FOR RO)	1650
17.		6 AMP SOCKET OUTLET (FOR CHIMNEY) (SWITCH WILL BE AT MAIN BOARD)	2150
18.		6 AMP SWITCH & SOCKET (FOR ONT)	2250
19.		6 / 16 AMP POWER SWITCH & SOCKET	200
20.		6 / 16 AMP POWER SWITCH & SOCKET	900
21.		6 / 16 AMP POWER SWITCH & SOCKET	1050
22.		16 AMP POWER SWITCH & SOCKET (FOR T.O. GEYSER)	1550 / OR AS SPECIFIED
23.		16 AMP POWER SOCKET (FOR KIT. GEYSER) (CONTROL AT SWITCH BOARD)	2200
24.		16 AMP SWITCH CONTROL FOR KIT. GEYSER	1050
25.		20 AMP. SOCKET FOR A/C UNIT	2250 / OR AS SPECIFIED
26.		20 AMP. SWITCH FOR A/C UNIT & 16 AMP SWITCH / SOCKET (POWER POINT)	200 / OR AS SPECIFIED
27.		TELEPHONE POINT	200
28.		TELEPHONE & INTERCOM POINT	200
29.		TELEPHONE POINT (BED SIDE)	550
30.		T.V. ANTENNA POINT	900
31.		CALL BELL PUSH	1350
32.		BUZZER	2250
33.		SWITCH BOARD	900
34.		SWITCH BOARD	1050
35.		T.V. & TEL. J. B. OR OPTICAL NODE TERMINAL	2250
36.		DISTRIBUTION BOARD (TOP LEVEL)	2100
37.		FREEDOM / DISPLAY UNIT	
38.		INDICATES CONTROLLING OF LIGHT/FAN FROM SWITCH BOARD	
39.			

R0	01.08.2017	Issued for approval	
rev. no.	date	revision	
project SAPPHIRE AT JAIPURIA TOWNSHIP, GHAZIABAD			
title ELECTRICAL DRAWING (WIRING DETAIL)			
subtitle TYPICAL FLOOR - PARADISE TOWER (B+S+22)			
drawing released for ☐ APPROVAL ☐ SUBMISSION ☒ ADVANCE COPY ☐ CONSTRUCTION			
drg. no.	SH / 17B15 / E - 01	drawn by	Jai chand
scale	1:75 @A1	designed by	Badri Vishal
date	24.07.2017	checked by	Anand Havela
architects creative line architects interior designers & planners studio 2nd fl., shri hita plaza c-25, sector-13, vasant vihar, gzt. phone: 0120 - 4208127, +91 9811132248 website: www.creativelinedesign.in email: ar_navdeepsethi@yahoo.com			
services consultant Consummate Engineering Services (P) Ltd. Noida Office : B - 67, Sector - 67, Noida - 201 301 Lko. Office : R 006, Rohas Purnima, Gonti Nagar, Lucknow Tel : (0120) 6943500 (30 Lines) / 6943511 e mail : mail@cespl.in, website : www.cespl.in			

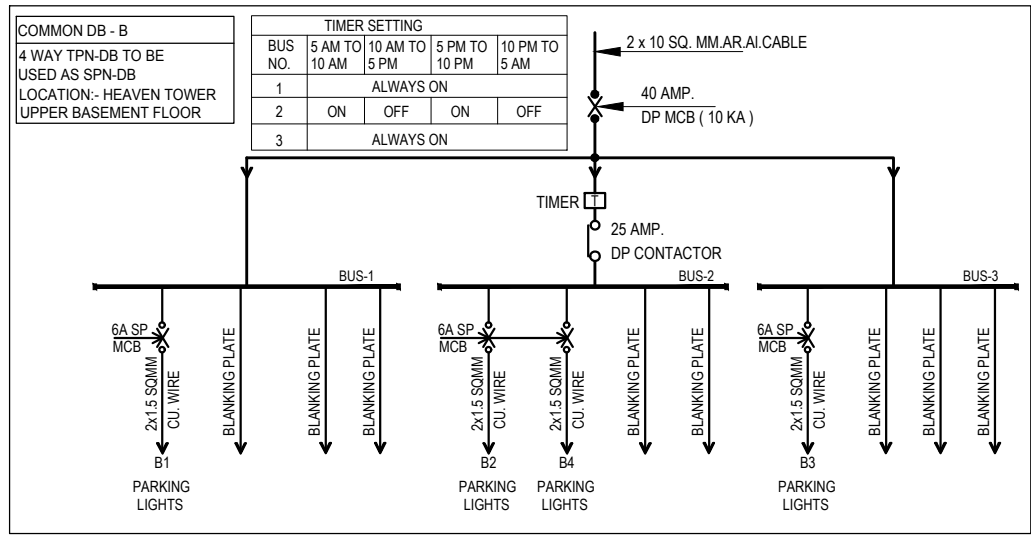
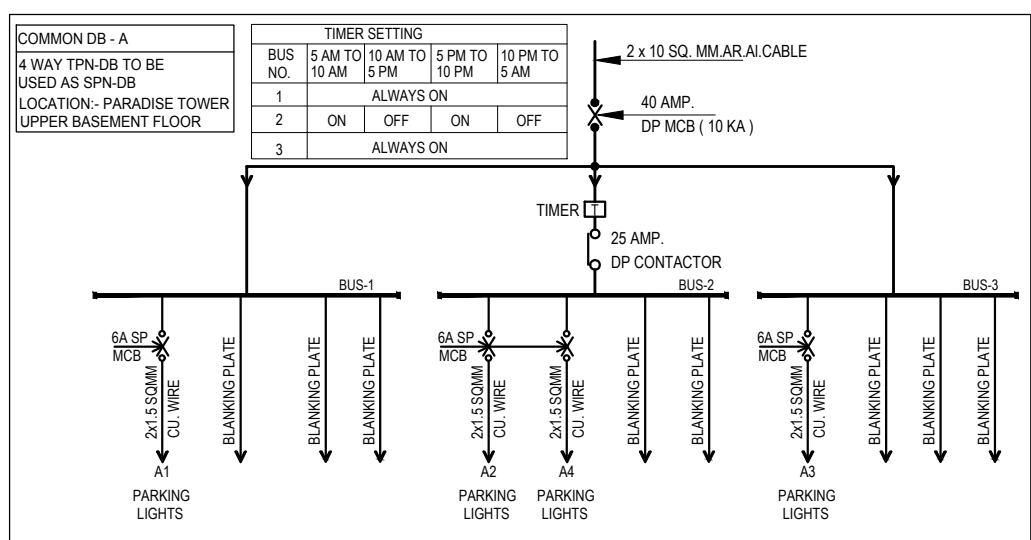


LOWER BASEMENT FLOOR PLAN

LEGEND : (Electrical & Fire Alarm System)		
S. No.	SYMBOL	DESCRIPTION
1.		LED 15-20 WATT TUBE LIGHT (SURFACE)
2.		LED 15-20 WATT TUBE LIGHT (SURFACE) EMERGENCY LIGHT
3.		CORRIDOR STAIR CASE LED LIGHT
4.		CORRIDOR STAIR CASE LED LIGHT EMERGENCY LIGHT
5.		6 AMP SWITCH & SOCKET
6.		6/16 AMP POWER SWITCH & SOCKET
7.		SWITCH BOARD
8.		DISTRIBUTION BOARD (TOP LEVEL)
9.		INDICATES CONTROLLING OF LIGHT/FAN FROM SWITCH BOARD
10.		MANUAL CALL POINT (BREAK GLASS TYPE)
11.		TALK BACK UNIT
12.		ELECTRONIC HOOTER / SPEAKER
13.		OPTICAL TYPE SMOKE DETECTOR
14.		RESPONSE INDICATOR
15.		FIXED TYPE DOME CAMERA (INDOOR TYPE) WITH 24 HR. LEDS
16.		INDICATIVE CONDUIT RUN FOR FIRE ALARM SYSTEM
17.		INDICATIVE CONDUIT RUN FOR LIGHTING (250)
18.		3 X 1.5 SQ.MM COPPER WIRE
19.		RG-6 CABLE
20.		
21.		

- 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.
 - The size of submain conduit from electrical shaft to each flat D.B. shall be 25 / 32 / 40 Ø (as mention in D. B. schedule).
 - 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.
 - M.S.(16 SWG) : All surface conduit inside shaft
 - 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 apartments 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.
 - Conduit drop should be precisely co-ordinated with brick work. It is advised to mark brick work layout on slab before casting for exact position of conduit drop.
 - 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.mm.)	2x1.5	2x2.5	2x4	2x6	2x10	2x16	4x6	4x16
Earth Wire (sq.mm.)	1x1.0	1x1.5	1x2.5	1x4	1x6	1x6	2x4	2x6

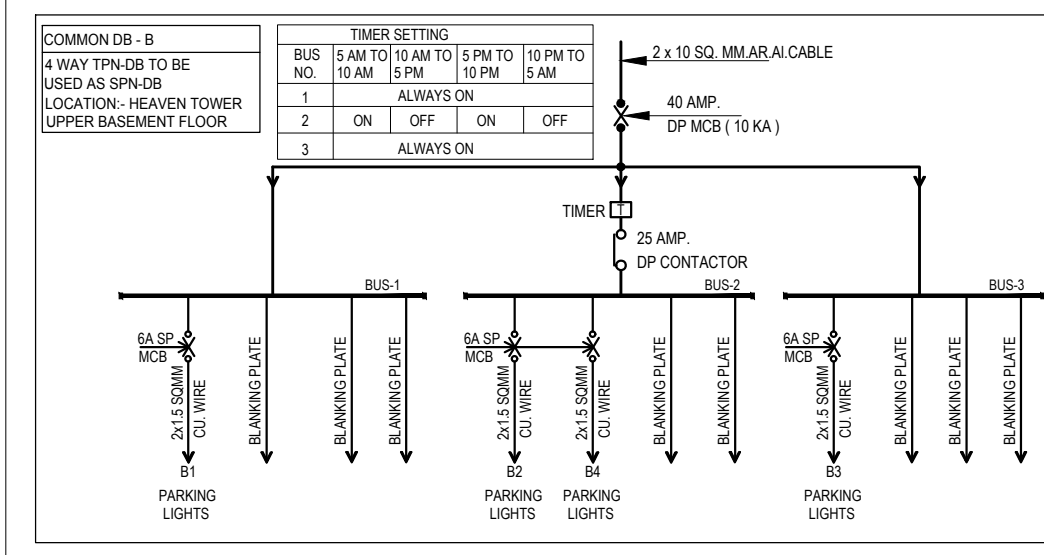


R8	17.08.2017	Issued as advance copy for approval
Rev. no.	date	revision



Notes : (Electrical

- | | | | | | | | | | |
|------------------------|-------|-------|-------|-----|------|------|-----|------|------|
| 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 | 2x4 | 2x6 | 2x6 |



R0	17.03.2017	issued as advance copy for approval
rev. no.	date	revision