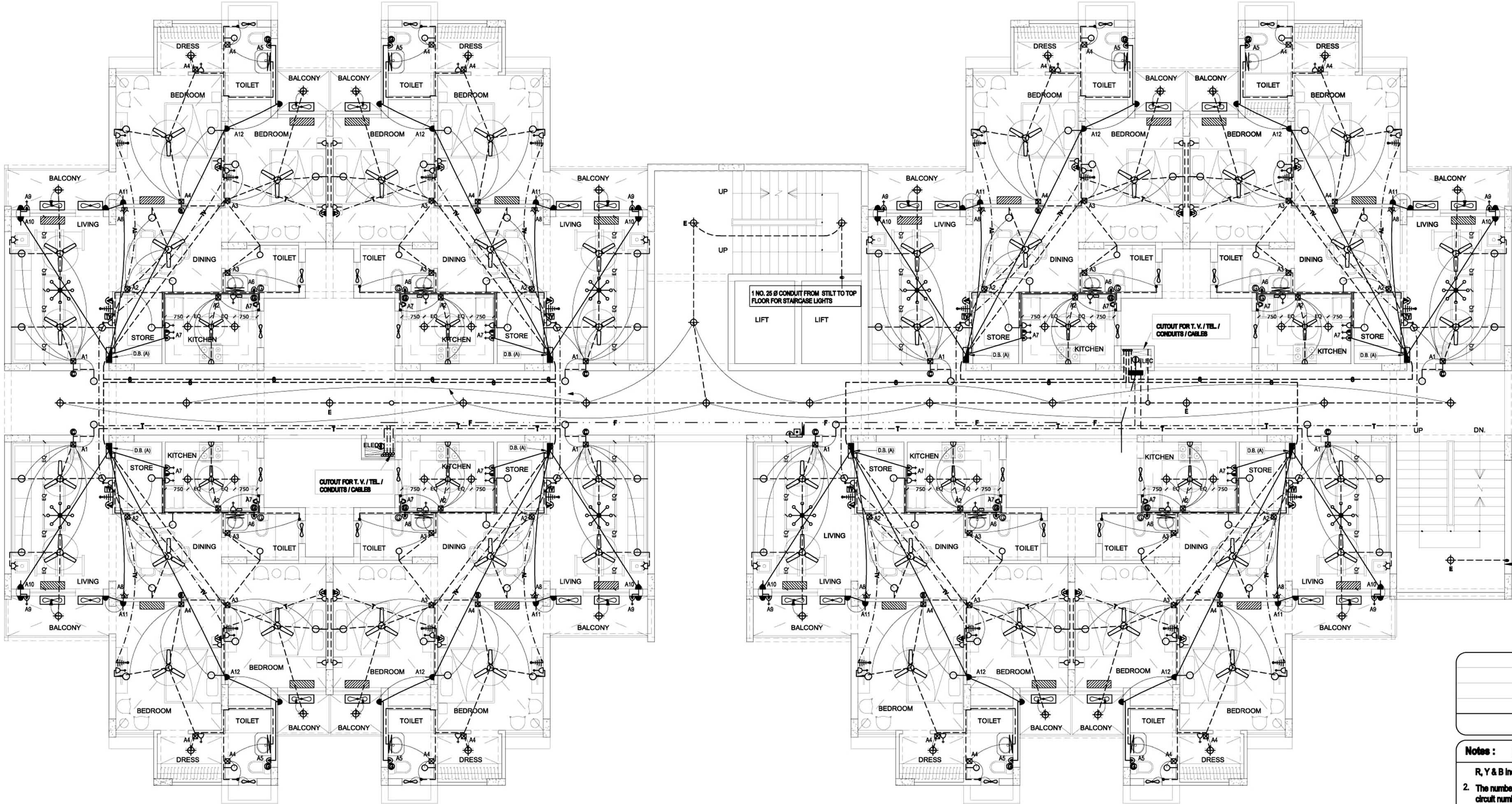




1 NO. 25 Ø CONDUIT FROM STILT TO TOP FLOOR FOR STAIRCASE LIGHTS

date revision

Notes : (Electrical)

- R, Y & B indicates phases.
2. The number written near the switch board and power points indicates circuit number. For detail of circuits refer distribution board charts.
3. The size of wires from switch board to different light and fan points shall be 1.0 sq. m.m.
4. For secondary power point the circuit wire shall be looped from first power point by 2 x 2.5 sq.m.m. (Wherever specified)
5. 6 amp. plug shall be connected to the lighting ckt. of that area.
6. 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).
7. TV / Tel. conduit sizes shall be :
a) From LV shaft to TV / Tel junction box : 2 nos. 25Ø
b) From TV / Tel J. B. to further distribution : 25 mm dia.
8. The conduits used for wiring shall be as follows :
a) PVC - Heavy duty (2 mm thick) : In r.c.c. slab
b) PVC - Medium duty (1.5 mm thick) : In brick wall
c) The minimum conduit size in : 25 mm dia.
RCC Slab shall be
9. Flexible conduit shall be used at expansion joints for electrical & L.V. wires.
10. Parking / Corridor / Staircase lights shall be directly controlled from MCB - DB through 2 x 1.5 sq.m.m wires as shown in drawings.
11. No two dissimilar phase circuit / wire shall run together through same conduit.
12. Light and power circuit shall be drawn through separate conduit.
13. Wiring shall be carried out as per colour code i.e. R, Y, B phases and black - neutral and green - earth.
14. The sequence of phase distribution in different apartments will be different for overall phase balancing.
15. The position mentioned in legend is bottom of switch board / outlets.
16. The openings inside Electrical, LV & Fire shaft should be sealed at each floor.
17. In case of two way fans, the switch will be provided on main board, while regulator will be provided on bed side board.
18. In case of any discrepancy in the drawing, the same may be brought to the notice of electrical consultant for approval before execution.
19. 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

DISTRIBUTION BOARD : (A) (6 WAY - TPN)				
LOCATION :- TYPICAL FLOOR (TOWER A)				
CKT. NO.	WIRE SIZE IN SQ. M.M.	SP. MCB'S RATING IN AMP	LOCATION	PHASE
A-1	2 x 1.5	6	LIVING ROOM / BALCONY	R
A-2	2 x 1.5	6	KITCHEN / DINING / STORE	R
A-3	2 x 1.5	6	BED ROOM / TOILET / BALCONY	R
A-4	2 x 1.5	6	BED ROOM / DRESS / TOILET	R
A-5	2 x 4	16	TOILET	Y
A-6	2 x 4	16	TOILET	B
A-7	2 x 4	16	KITCHEN	B
A-8	2 x 4	16	DINING	B
A-9	2 x 4	16	BALCONY (WASHING MACHINE)	Y
A-10	2 x 4	20	LIVING ROOM (AC)	Y
A-11	2 x 4	20	BED ROOM (AC)	B
A-12	2 x 4	20	BED ROOM (AC)	Y
A-13 TO A-18			SPARS	
INCOMER :- 40 AMP FP MCB				
SUBMAIN :- 4 X 10 SQ. M. M. (32Ø CONDUIT)				

LEGEND : (Electrical & Fire Alarm System)			
S. No.	SYMBOL	DESCRIPTION	POSITION
1.		LIGHT POINT/WALL BRACKET	2250
2.		ENTRANCE LIGHT	2400
3.		CEILING LIGHT (SURFACE)	
4.		1x28 WATT TS TUBE LIGHT (SURFACE)	2250
5.		MIRROR LIGHT	2000
6.		CHANDLIER	
7.		CEILING FAN	
8.		EXHAUST FAN / CEILING ROSE	2150
9.		6 AMP PLUG POINT	200
10.		6 AMP PLUG POINT (BED SIDE)	550
11.		2 NOS. 6 AMP SOCKET CONTROLLED BY 1 NO. SWITCH (FOR T.V.)	900
12.		6 AMP PLUG POINT	1050
13.		6 AMP SOCKET OUTLET (FOR CHIMNEY) (SWITCH WILL BE AT MAIN BOARD)	2150
14.		6/16 AMP POWER POINT	200
15.		6/16 AMP POWER POINT	1050
16.		16 AMP. POWER POINT (FOR T.C. GEYSER) (CONTROL AT SWITCH BOARD)	1550 / OR AS SPECIFIED
17.		16 AMP. POWER SOCKET (FOR KIT. GEYSER) (CONTROL AT SWITCH BOARD)	2200
18.		16 AMP SWITCH CONTROL FOR KIT. GEYSER	1050
19.		20 AMP. SOCKET FOR A/C UNIT	2250 / OR AS SPECIFIED
20.		20 AMP. SWITCH FOR A/C UNIT & 16 AMP SWITCH / SOCKET (POWER POINT)	200 / OR AS SPECIFIED
21.		TELEPHONE POINT	200
22.		TELEPHONE & INTERCOM POINT	200
23.		TELEPHONE POINT (BED SIDE)	550
24.		T.V. ANTENNA POINT	900
25.		CALL BELL PUSH	1050
26.		BUZZER	2250
27.		SWITCH BOARD	1050
28.		TELEPHONE TAG BLOCK	IN DUCT 1200
29.		T.V. / TEL. J.B.	IN APARTMENT IN DUCT 200 / 2250
30.		DISTRIBUTION BOARD (TOP LEVEL)	2100
31.		INDICATES CONTROLLING OF LIGHT/FAN FROM SWITCH BOARD	
32.		INDICATIVE CONDUIT RUN FOR SUBMAIN	
33.		INDICATIVE CONDUIT RUN FOR TELEPHONE / T.V. SYSTEM	
34.		INDICATIVE CONDUIT RUN FOR LIGHT / FAN CIRCUIT	
35.		INDICATIVE CONDUIT RUN FOR POWER / A.C. CIRCUIT	
36.		INDICATIVE CONDUIT (25Ø) RUN FOR FIRE ALARM SYSTEM	
37.		A/C INDOOR UNIT	
38.		A/C OUTDOOR UNIT	
39.		MANUAL CALL POINT (BREAK GLASS TYPE)	1050
40.		TALK BACK UNIT	1200
41.		ELECTRONIC HOOTER / SPEAKER	2250
42.		OPTICAL TYPE SMOKE DETECTOR	
43.		RESPONSE INDICATOR	2250

project
TWIN TOWER

title
ELECTRICAL DRAWING - TOWER B

subtitle
TYPICAL FLOOR PLAN (S+9)

drawing released for

☐ APPROVAL ☐ SUBMISSION
☒ ADVANCE COPY ☐ CONSTRUCTION

drg. no. AP / 12B32 / E-41 drawn by Jai chand

scale 1 : 85 designed by Badri Vishal

date 03.01.2013 checked by Anand Havella

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