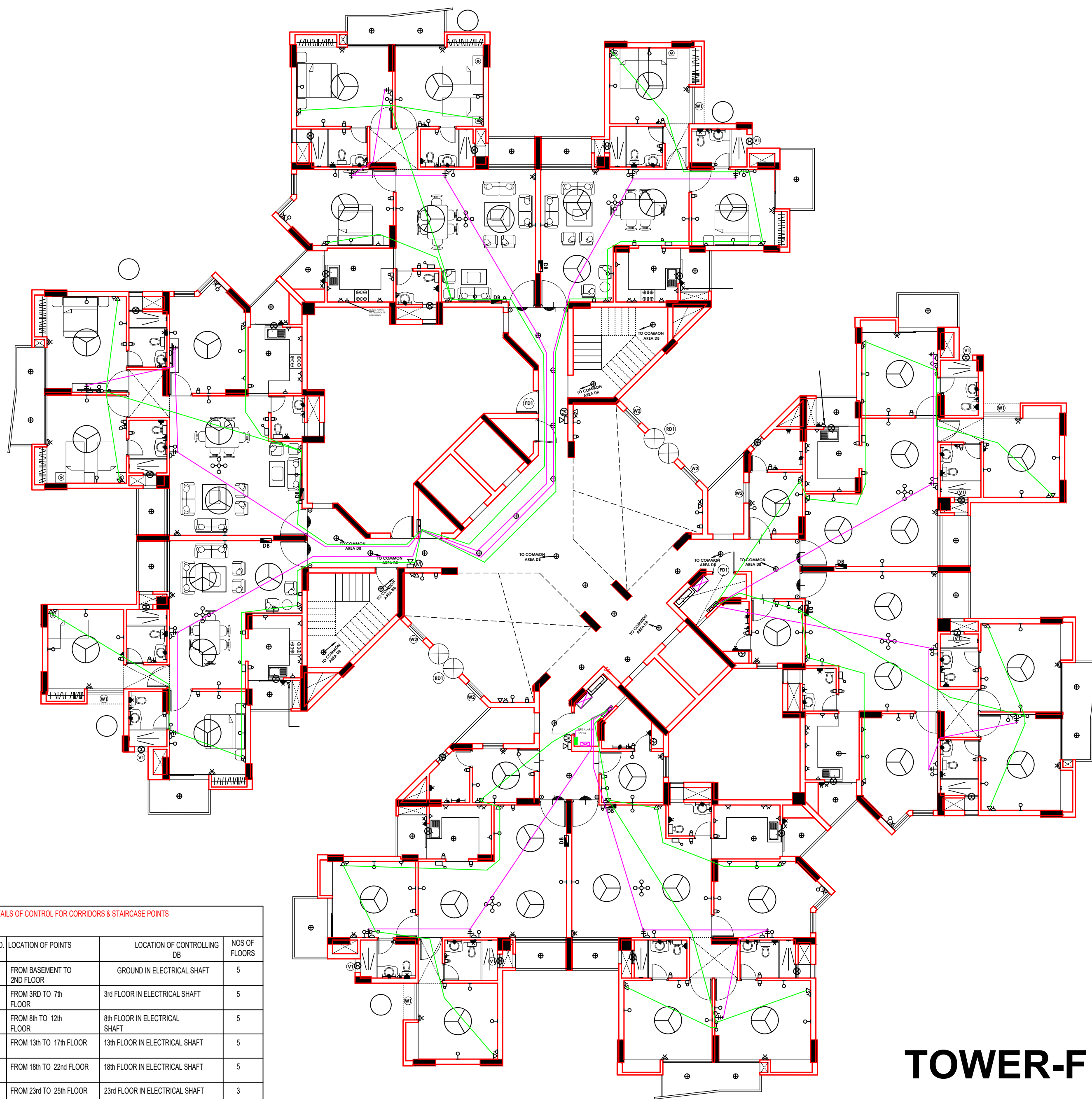




		07-04-12	CLIENT ARCH.	EMAIL
R.No.	REVISION	DATE	PRINTS TO	NOs.

PROJECT

ASSOTECH HOUSING AT CROSSING

CLIENT



ASSOTECH

CONTRACTS (INDIA) LTD.

TITLE OF DRG.

TELEPHONE/DATA/T POINTS AND CONDUIT
GROUND FLOOR, TOWER-F (PHASE-II)

ARCHITECTS

S K Das Associated Architects
216-A/13 Gautam Nagar New Delhi-110049

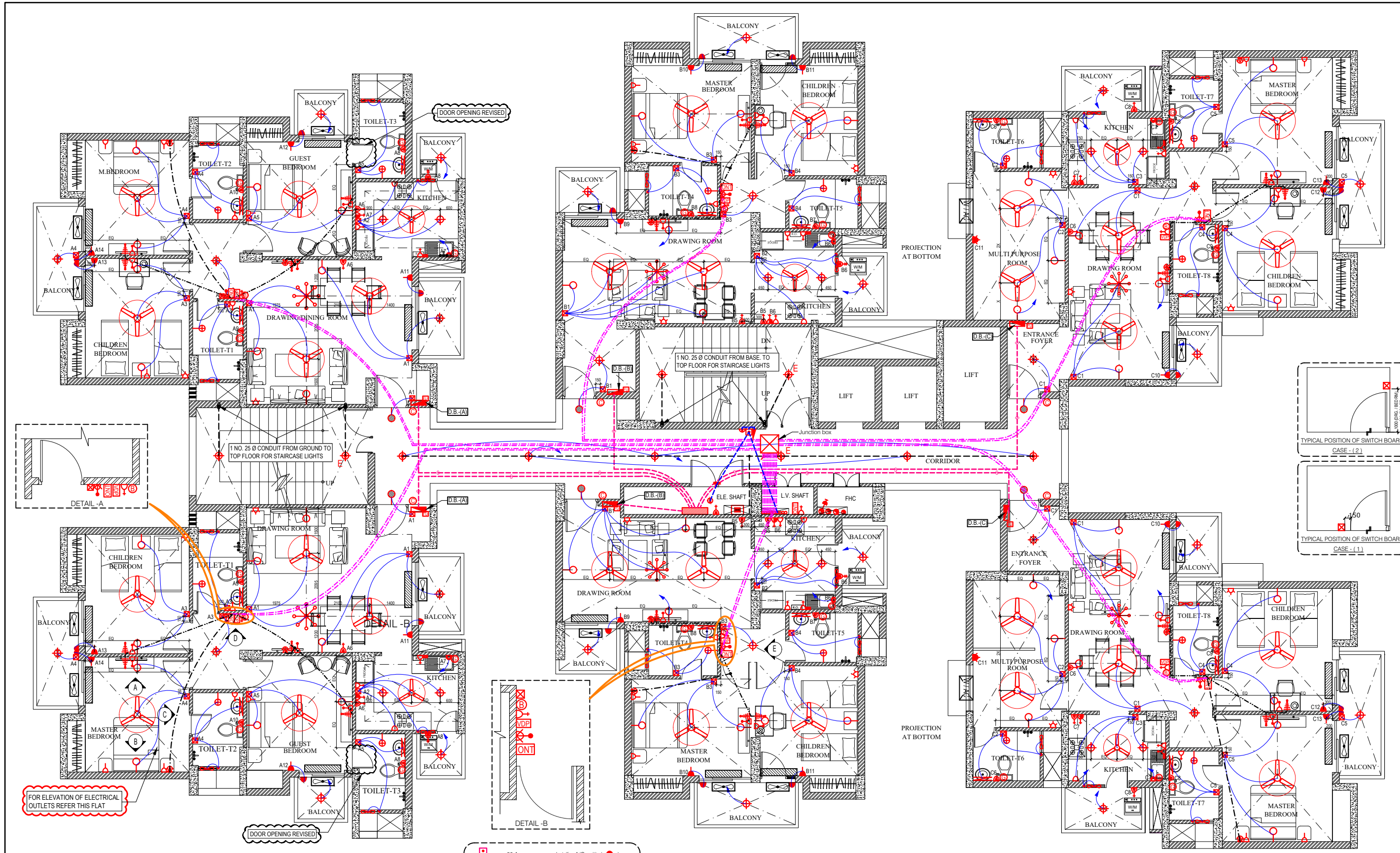
ELECTRICAL CONSULTANT

G. R. ELECTRICAL CONSULTANTS
38,D.D.A.SHOPPING CENTRE
SUKHDEV VIHAR NEW DELHI-110025
TEL.No.-26836893,TEL/FAX26318925



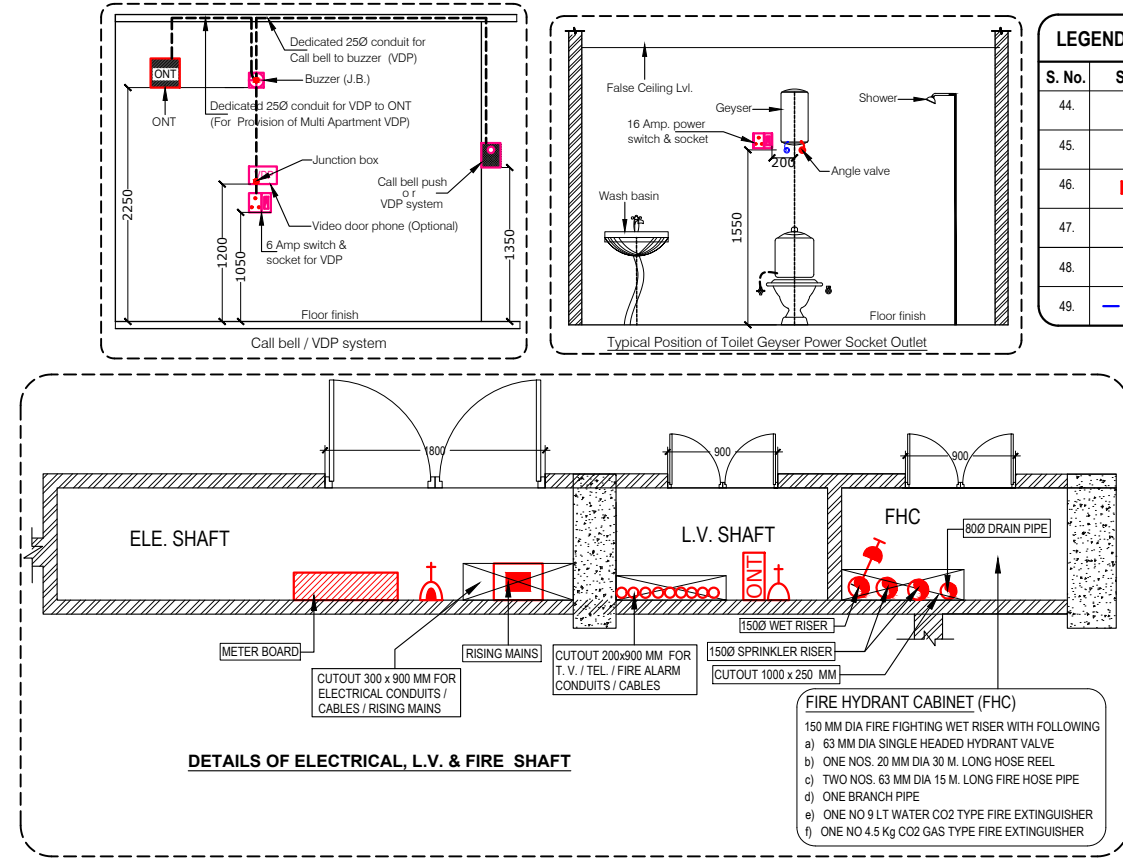
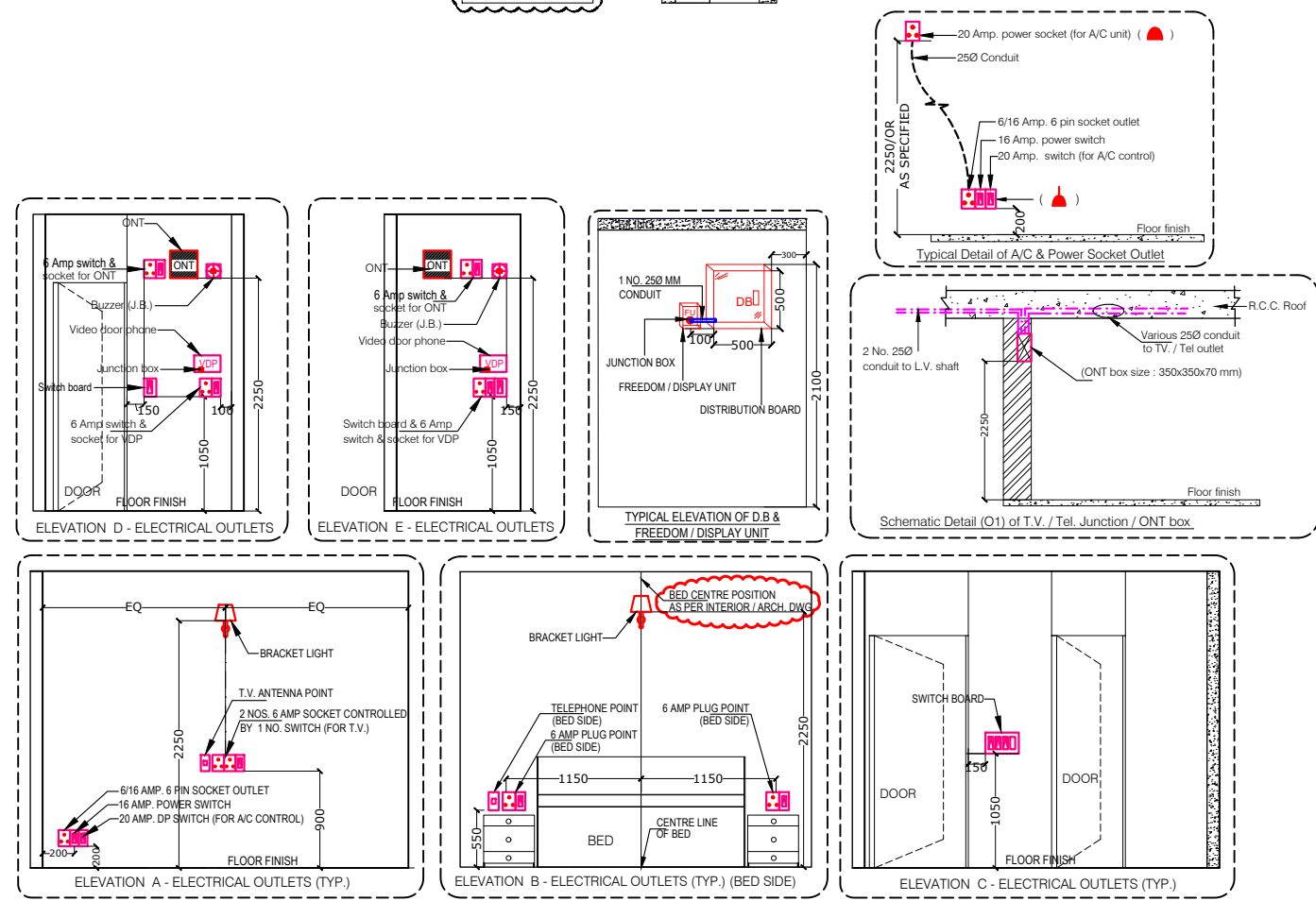
DRN. BY: RAJU	SCALE 1 : 150	DWG.No.
CKD. BY: R.M.S.	DATE: 27-01-10	

GREC/CR/T-F/EL-25A



- 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 :
a) From LV shaft to TV / Tel junction box : 2 nos. 25Ø (1 No. for T.V. & 1 No. for Telephone / Data / Intercom)
b) From TV / Tel J. B. to further distribution : 25 mm dia.
 - The conduits used for wiring shall be as follows :
a) PVC - Heavy duty (2 mm thick) : In RCC slab / RCC Wall
b) PVC - Medium duty (1.6 mm thick) : In brick wall / Block Work
c) The minimum conduit size in RCC Slab / RCC Wall shall be : 25 mm dia.
d) 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.
 - 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 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. 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.		LED 15-20 WATT TUBE LIGHT	2250
7.		1 x 28 WATT T5 TUBE LIGHT (SURFACE)	2250
8.		LIGHT POINT/ WALL BRACKET	2150
9.		MIRROR LIGHT	2000
10.		CHANDLIER	
11.		CEILING FAN	
12.		EXHAUST FAN / CEILING ROSE	2000
13.		WALL MOUNTING REVOLVING FAN	2250
14.		6 AMP SWITCH & SOCKET	200
15.		6 AMP SWITCH & SOCKET (BED SIDE)	550
16.		2 NOS. 6 AMP SOCKET CONTROLLED BY 1 NO. SWITCH (FOR T.V.)	900
17.		6 AMP SWITCH & SOCKET	1050
18.		6 AMP SOCKET OUTLET (FOR CHIMNEY) (SWITCH WILL BE AT MAIN BOARD)	2150
19.		6 AMP SWITCH & SOCKET (FOR ONT)	2250
20.		6/16 AMP POWER SWITCH & SOCKET	200
21.		6/16 AMP POWER SWITCH & SOCKET	900
22.		6/16 AMP POWER SWITCH & SOCKET	1050
23.		16 AMP. POWER SWITCH & SOCKET (FOR T.V. GEYSER)	1550 / OR AS SPECIFIED
24.		16 AMP. POWER SOCKET (FOR KIT GEYSER) (CONTROL AT SWITCH BOARD)	2200
25.		16 AMP SWITCH CONTROL FOR KIT. GEYSER	1050
26.		20 AMP SWITCH / SOCKET (A/C POINT)	200
27.		20 AMP. SOCKET FOR A/C UNIT	2250 / OR AS SPECIFIED
28.		20 AMP. SWITCH FOR A/C UNIT & 16 AMP SWITCH / SOCKET (POWER POINT)	200 / OR AS SPECIFIED
29.		TELEPHONE POINT	200
30.		TELEPHONE & INTERCOM POINT	200
31.		TELEPHONE POINT (BED SIDE)	550
32.		T.V. ANTENNA POINT	900
33.		CALL BELL PUSH	1350
34.		BUZZER	2250
35.		VIDEO DOOR PHONE (INSIDE APARTMENT)	1200
36.		SWITCH BOARD	1050
37.		T.V. & TEL. J.B. OR OPTICAL NODE TERMINAL (IN APARTMENT) (IN DUCT)	200 / 2250
38.		DISTRIBUTION BOARD (TOP LEVEL)	2100
39.		FREEDOM / DISPLAY UNIT	
40.		INDICATIVE CONTROLLING OF LIGHT/FAN FROM SWITCH BOARD	
41.		INDICATIVE CONDUIT RUN FOR SUBMAIN	
42.		INDICATIVE CONDUIT RUN FOR TELEPHONE / T.V. SYSTEM	
43.		INDICATIVE CONDUIT RUN FOR LIGHT / FAN CIRCUIT	



LEGEND : (Electrical & Fire Alarm System)			
S. No.	SYMBOL	DESCRIPTION	POSITION
44.		MANUAL CALL POINT (BREAK GLASS TYPE)	1050
45.		TALK BACK UNIT	1200
46.		ELECTRONIC HOOTER / SPEAKER	2250
47.		OPTICAL TYPE SMOKE DETECTOR	
48.		RESPONSE INDICATOR	2250
49.		INDICATIVE CONDUIT (25Ø) RUN FOR FIRE ALARM SYSTEM	

DISTRIBUTION BOARD : (A) (6 WAY - TPN)			
LOCATION - TYPICAL FLOOR			
DKT. NO.	WIRE SIZE IN SQ. MM.	SP. METERS RATING IN AMP.	LOCATION
A-1	2 x 1.5	6	DRAWING ROOM & BALCONY
A-2	2 x 1.5	6	KITCHEN & BALCONY
A-3	2 x 1.5	6	CHILDREN BEDROOM & TOILET-T1
A-4	2 x 1.5	6	WATER BEDROOM BAL. & TOILET-T2
A-5	2 x 1.5	6	GUEST BEDROOM BAL. & TOILET-T3
A-6	2x4/2x2.5	20	DRAWING & KITCHEN (POWER)
A-7	2 x 2.5	16	KITCHEN (GEYSER)
A-8	2x4/2x2.5	20	WASHING MACHINE & TOILET-T3
A-9	2 x 2.5	16	TOILET-T1
A-10	2 x 2.5	16	TOILET-T2
A-11	2 x 4	20	DRAWING ROOM (AC)
A-12	2 x 4	20	GUEST BEDROOM (AC)
A-13	2 x 4	20	CHILDREN BEDROOM (AC)
A-14	2 x 4	20	MASTER BEDROOM (AC)
A-15	TO A-18	SPARE	

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) (4 WAY - TPN)			
LOCATION - TYPICAL FLOOR			
DKT. NO.	WIRE SIZE IN SQ. MM.	SP. METERS RATING IN AMP.	LOCATION
B-1	2 x 1.5	6	DRAWING ROOM & BALCONY
B-2	2 x 1.5	6	KITCHEN & BALCONY
B-3	2 x 1.5	6	MASTER BEDROOM BAL. & TOILET-T4
B-4	2 x 1.5	6	MASTER BEDROOM & TOILET-T5
B-5	2x4/2x2.5	20	DRAWING & KITCHEN (POWER)
B-6	2x4/2x2.5	20	KITCHEN & WASHING MACHINE
B-7	2 x 2.5	16	TOILET-T4
B-8	2 x 2.5	16	TOILET-T5
B-9	2 x 4	20	DRAWING ROOM (AC)
B-10	2 x 4	20	MASTER BEDROOM (AC)
B-11	2 x 4	20	CHILDREN BEDROOM (AC)
B-12	TO A-18	SPARE	

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)

project
ASSOTECH NEST
GROUP HOUSING AT PLOT NO.-06,

title
ELECTRICAL DRAWING (TOWER- G)

subtitle
TYPICAL FLOOR PLAN (2B+G+29)

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

drg. no.
ASSO_NEST/TOWER-G/E-01

scale
1:80

date
December - 2016

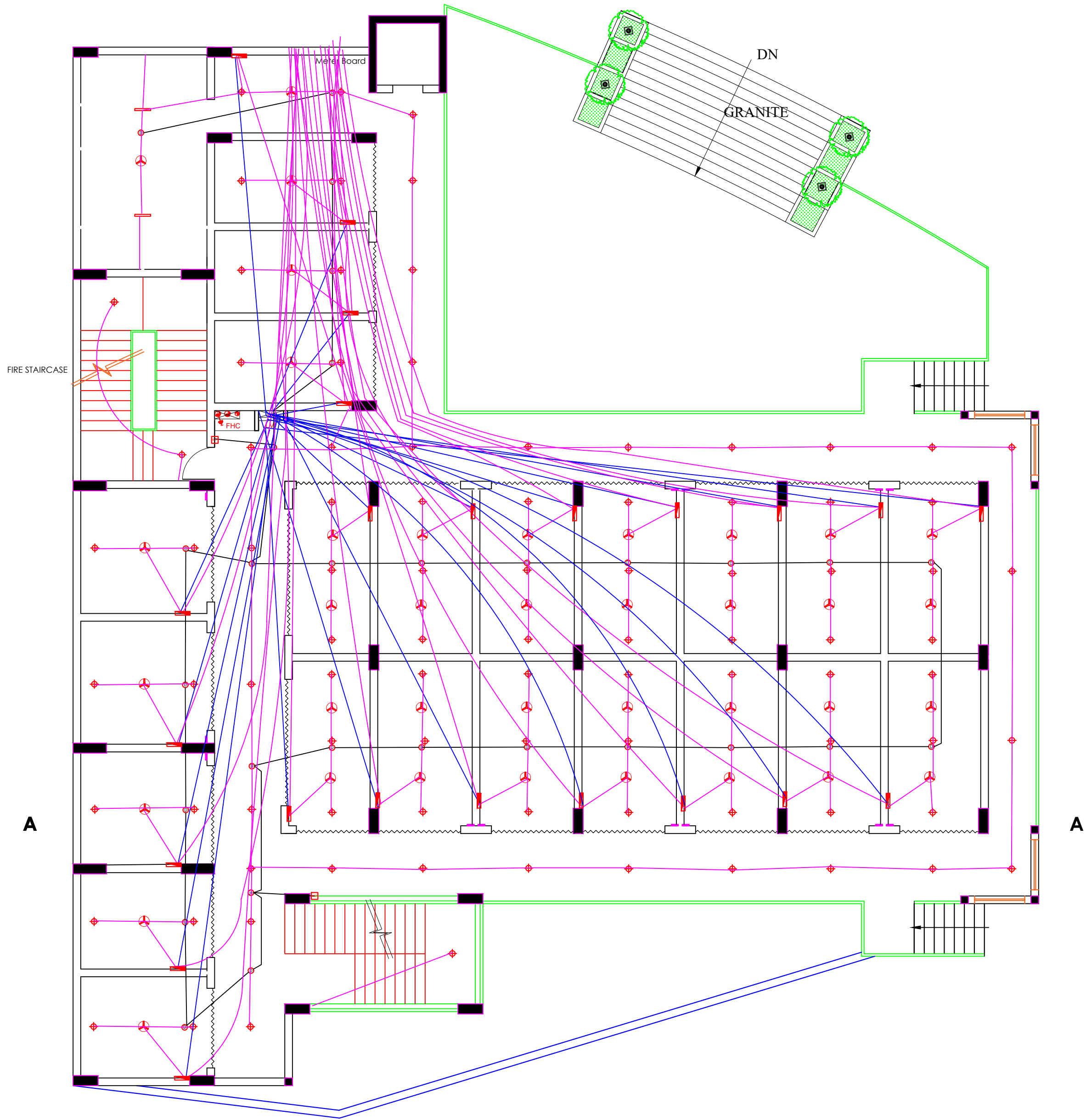
architects
BUILDING BELIEFS ARCHITECT
D-113, SECTOR - 122, NOIDA, U.P.

services consultant
Consummate Engineering Services (P) Ltd.
Noida Office : B - 67, Sector - 67, Noida - 201 301
Tel : (0120) 944300 / 24 Lines /
Lko Office : R-09, Rohas Plumeria, Gomti Nagar, Lucknow
e mail : mail@cespln, website : www.cespln

drawn by
Gurdial

designed by
Sanjay Goyal

checked by
Anand Havelia



SPECIAL NOTES

1. ALL DIMENSIONS ON THIS DRAWING ARE IN MM.
2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. DRAWINGS SHOULD NOT BE SCALED UNDER ANY CIRCUMSTANCES.
3. ALL MEASUREMENTS MUST BE CHECKED AND VERIFIED BY THE CONTRACTORS PRIOR TO EXECUTION OF WORK AT THE SITE.
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL, SERVICES & FACILITY PLANNING DRAWINGS.
5. ARCHITECTURAL DRAWINGS ARE TO BE FOLLOWED FOR THE LOCATION OF ALL STRUCTURAL MEMBERS & MASONRY WALLS. FOR SIZES & REINFORCEMENT DETAILS OF STRUCTURAL MEMBERS RELEVANT STRUCTURAL DRAWINGS ARE TO BE REFERRED.
6. ANY DISCREPANCIES BETWEEN ARCHITECTURAL, STRUCTURAL AND SERVICES DRAWINGS MUST BE BROUGHT TO THE NOTICE OF THE ARCHITECTS IMMEDIATELY & PRIOR TO EXECUTION AT SITE.
7. CO-ORDINATION WITH THE SERVICES SUCH AS HVAC, PLUMBING & ELECTRICAL ETC. IS THE RESPONSIBILITY OF THE CONTRACTORS.
8. ALL MASONRY WALLS SHOULD BE ALIGNED WITH THE COLUMNS AS INDICATED ON THE PLAN IRRESPECTIVE OF THE POSITION AS CALCULATED WITH THE DIMENSIONING.
9. FOR DETAILS, REFER RELEVANT LARGE SCALE DETAIL DRGS. AS INDICATED.

LEGEND : (Electrical & Fire Alarm System)			
S. No.	SYMBOL	DESCRIPTION	POSITION
		LIGHT POINT WALL BRACKET	
		CEILING LIGHT	
		LED 15-20 WATT TUBE LIGHT	
		MIRROR LIGHT	
		CEILING FAN	
		EXHAUST FAN / CEILING ROSE	
		WALL MOUNTING REVOLVING FAN	
		6 AMP SWITCH & SOCKET	
		15 AMP POWER SWITCH & SOCKET	
		30 AMP POWER SWITCH & SOCKET (FOR T.O. GEYSER)	
		20 AMP SWITCH / SOCKET (AC POINT)	
		TELEPHONE POINT	
		T.V. ANTENNA POINT	
		SWITCH BOARD	
		T.V. & TEL. J.B. OR OPTICAL ROSE TERMINAL	
		DISTRIBUTION BOARD	
		FIRE ALARM CONTROL UNIT	
		INDICATES CONTROLLING OF LIGHT FAN FROM SWITCH BOARD	
		INDICATIVE CONDUIT RUN FOR TELEPHONE T.V. SYSTEM	
		INDICATIVE CONDUIT RUN FOR LIGHT FAN CONDUIT	

REVISION	REMARKS	DATE	S.No.
REVISIONS			
ARCHITECT -			
OWNER			
CROSSINGS REPUBLIK PVT. LTD. GLASS GATE, VILLAGE DUNDHAHERA, GHAZIABAD			
THROUGH			
DRAWING TITLE			
CONVENIENT SHOPPING LOWER GROUND FLOOR PLANS			
DEALT BY		DATE	20/01/2017
CHKD. BY	Ar. Rahul kumar	SCALE	
DRAWING NO.			