

NOTES : (Plumbing)

- COLD WATER SUPPLY PIPE MATERIAL**
 - For inside toilet (domestic) - CPVC (SDR-11) with solvent cement joints
 - For inside toilet (recycle) - UPVC SCH 40 Pipes With SCH 80 fittings by solvent cement joint
 - For duct / terrace - UPVC SCH 80 Pipes With SCH 80 fittings by solvent cement joint
 - For basement ring main - G.I. (CLASS B) by teflon tape
 - For riser to fill OHT - G.I. (CLASS B) by teflon tape
 - From OHT to terrace lvl. - G.I. (CLASS B) by teflon tape
- Hot water supply pipe material**
 - For inside toilet - CPVC (SDR-11) with solvent cement joints
 - For duct / terrace - CPVC (SDR-11) with solvent cement joints
- The water supply pipe diameter mention on the drawing is nominal bore AD.
- Soil / waste / vent / rain water pipe material**
 - Upto 65 mm dia pipe (toilet floor) - UPVC (6 KG/SQ.CM.) as per IS - 4985 (suitable for solvent cement joint)
 - 75/ 90/ 110/ 160 mm dia pipe (vertical pipe in shaft) - UPVC (TYPE B) (SWR grade) as per IS - 13592 & IS - 14735 (suitable for rubber ring joint)
 - 75 / 110 mm dia pipe (under toilet floor) - UPVC (TYPE B) (SWR grade) as per IS 13592 & IS 14735 (suitable for solvent cement joint)
- All lowest floor sanitary fixtures (below which the vertical Soil / Waste pipe is turning horizontally) can only be connected into vertical / horizontal Soil / Waste Pipe only after min. 2.5 M. distance.
- All the floor traps which are directly connected to pipe and manhole shall strictly be of P Trap (long type) with min. 50 mm seal.
- The slope of the pipes laid under toilet floor shall be in between 1 in 10 to 1 in 40.
- The slope of toilet floors towards the floor trap shall be 1 in 40 (minimum).
- The slope of terrace from ridge line towards rain water pipes shall be 1 in 100 to 1 in 125.
- All hot water pipes on terrace / duct shall be insulated by nitrile rubber; the thickness of insulation will be :-
 - For 15 & 20 mm dia. pipe - 9 mm thick
 - For 25, 32 & 40 mm dia. pipe - 13 mm thick
 - For 50 mm & above dia. pipe - 19 mm thick
 For terrace installation the nitrile rubber insulation will be protected by polyshield mechanical protection.
- 50 m.m. dia. G.I. spout / 900 PVC pipe shall be provided for each open staircase / mid-landings.
- All soil & waste pipes laid under toilet / kitchen floor shall be covered around with 75 mm. C.C. (1 : 1.5 : 3)
- Soil / waste / rain water pipe in basement shall be suspended from ceiling through G.I. hangers.
- All ewcs shall be floor mounted type and the model should be so selected, that the S trap outlet centre should be 200 - 300 mm from back wall. (unless specifically specified)
- The mounting height of different appliances / taps shall be as under
 - Wall mixture (for bathing) - 1050 m.m.
 - Single lever diverter - 1100 m.m.
 - Spout (for bathing) - 850 m.m.
 - Shower - 2050 m.m. / or as specified
 - Kitchen tap / mixture - 1100 m.m.
 - Table top / 1050 m.m.
 - Angle valve
 - For toilet geyser - 1550 m.m. / or as per site
 - For kitchen geyser - 2000 m.m. / or as per site
 - For washing machine - 600 m.m.
 - For water purifier - 1050 m.m.
 - For health spray (for W.C.) - 300 m.m.
 - For cistern (for W.C.) - 300 m.m.
 - For wash basin - 500 m.m.
 - For wash basin (top of rim) - 800 - 850 m.m.
 - Abution tap - 300 m.m.

Rev. No.	Date	Revision
R-0	03-10-16	GFC.

Project :
RISE RESORT RESIDENCES
PLOT NO:- SC01,
ADJOINING SECTOR TECH ZONE-IV
GREATER NOIDA, INDIA

Title : **PLUMBING/ELECTRICAL DRAWING**
(TYPE 4B+3T)

Subtitle :
FLOOR PLAN

Drawing Released For :
☐ APPROVAL ☐ SUBMISSION
☐ ADVANCE COPY ☐ CONSTRUCTION

Drp. No : **RRR / 4B+3T-TYP-PL/ELE-01**

Scale : **1:65** Drawn By : **Jagdish**

Date : **Aug. 2016** Design By : **Nitesh Kumar**

Ckd By : **Anand Havella**

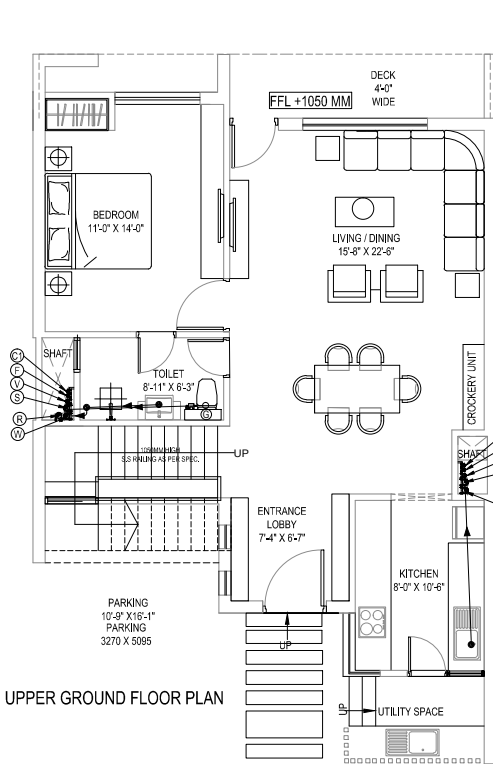
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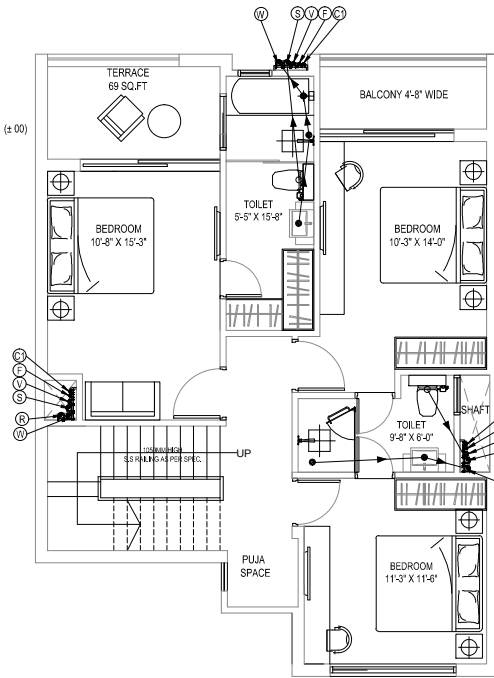
DISTRIBUTION BOARD : (A) (8+6 WAY - TPN)				
LOCATION - TYPICAL FLOOR				
CKT. NO.	WIRE SIZE IN SQ.M.M.	SP. MCB'S RATING IN AMP	LOCATION	PHASE
A-1	2 x 1.5	6	LIVING & DINING	R
A-2	2 x 1.5	6	M.BEDROOM, TOILET & BALCONY	R
A-3	2 x 1.5	6	KITCHEN & UTILITY	R
A-4	2 x 1.5	6	BEDROOM & TOILET	R
A-5	2 x 1.5	6	BEDROOM, TOILET & BALCONY	R
A-6	2 x 2.5	16	TOILET-1 (GEYSER)	Y
A-7	2 x 2.5	16	M.TOILET (GEYSER)	Y
A-8	2x4+2x2.5	20	KITCHEN (GEYSER & POWER)	B
A-9	2x4+2x2.5	20	KITCHEN & UTILITY (POWER)	Y
A-10	2 x 2.5	16	TOILET-2 (GEYSER)	B
A-11	2 x 4	20	BEDROOM-2 (AC)	B
A-12	2 x 4	20	BEDROOM-1 (AC)	B
A-13	2 x 4	20	LIVING & DINING (AC)	Y
A-14	2 x 4	20	M.BEDROOM (AC)	Y
A-15 TO A-18			SPARES	
INCOMER :- 40 AMP FP MCB + 40 AMP FP RCCB (30 mA)				
SUBMAIN :- 4 X 10+2 X 6 SQ. MM.(EARTH WIRE)25Ø CONDUIT				

LEGEND : (Plumbing)

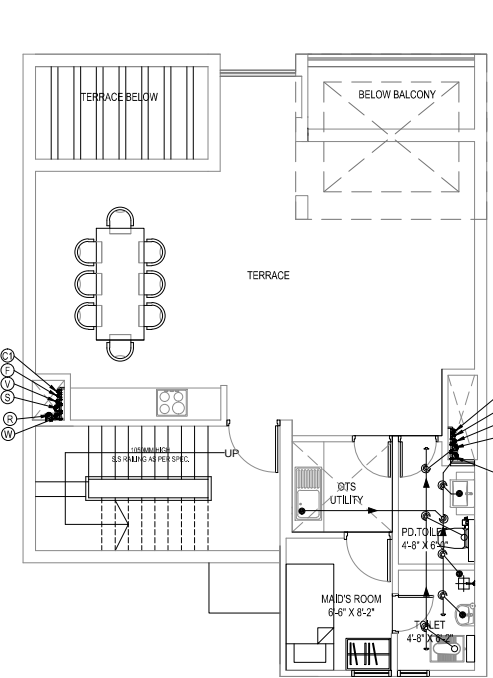
S.No.	SYMBOL	DESCRIPTION
1.	(S)	1100 UPVC SOIL AND VENT PIPE
2.	(W)	1100 UPVC WASTE AND VENT PIPE
3.	(V)	750 UPVC ANTI SYPHONAGE PIPE
4.	(R)	110 Ø PVC RAIN WATER PIPE
5.	(B)	750 PVC BALCONY / STAIRCASE WASTE PIPE
6.	(C)	DOMESTIC WATER SUPPLY DROP FROM TANK TO TOILET / KITCHEN FOR ALL FLOOR EXCEPT TOP TWO FLOOR
7.	(F)	RECYCLED WATER SUPPLY DROP FROM O.H.T. TO W.C. FOR ALL FLOOR
8.	(P)	RISER TO FILL FIRE O.H.T.
9.	(O)	RISER TO FILL FLUSHING O.H.T.
10.	(M)	WASHING MACHINE
11.	(W)	WATER PURIFIER
12.	(G)	GEYSER
13.	(M)	MIXTURE & SHOWER
14.	(DP)	DRAIN POINT
15.	(MFT)	MULTI FLOOR TRAP - 6" deep (50 mm seal)
16.	(PT)	P TRAP (110 X 110 MM) - Long type (50 mm seal)
17.	(CW)	COUNTER WASH BASIN
18.	(EW)	EUROPEAN W. C.
19.	(S)	SINK WITH DRAIN BOARD



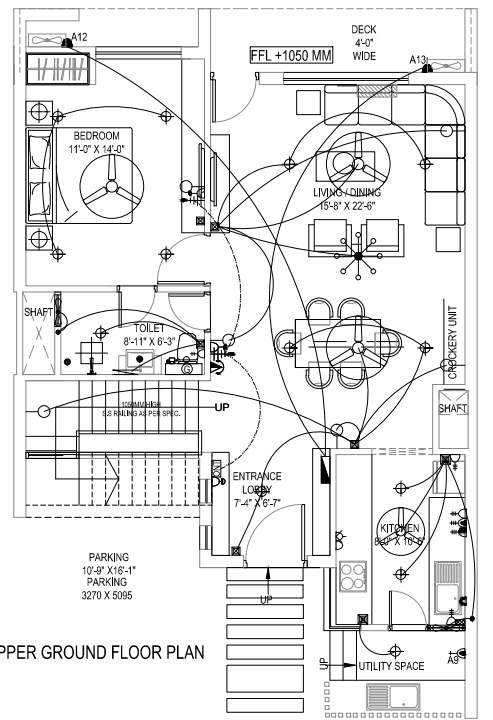
UPPER GROUND FLOOR PLAN



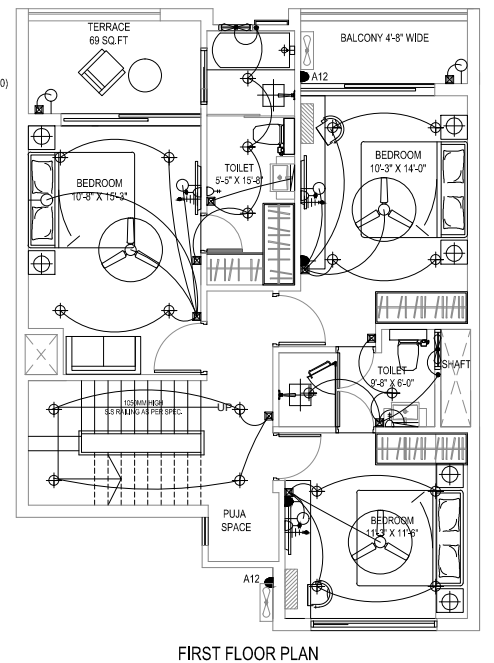
FIRST FLOOR PLAN



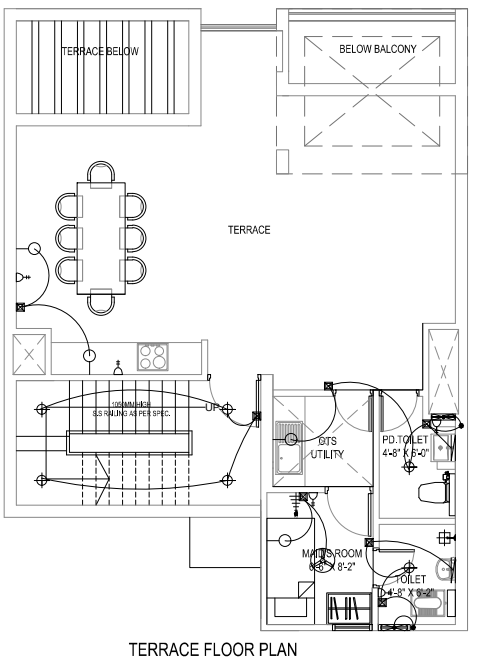
TERRACE FLOOR PLAN



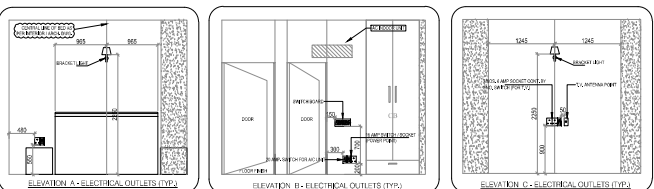
UPPER GROUND FLOOR PLAN



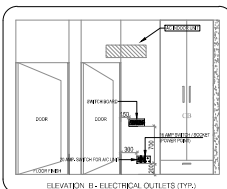
FIRST FLOOR PLAN



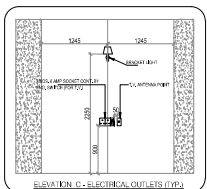
TERRACE FLOOR PLAN



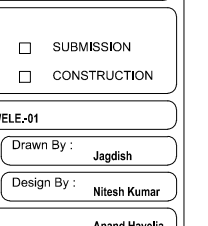
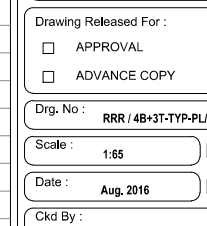
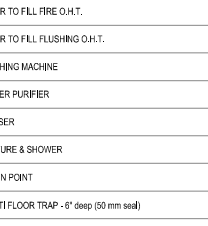
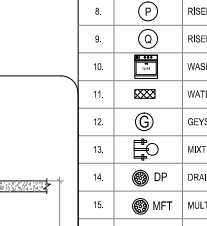
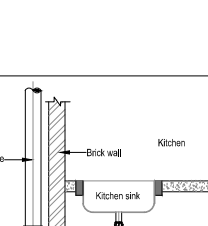
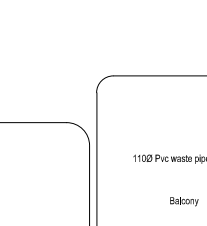
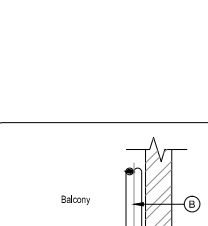
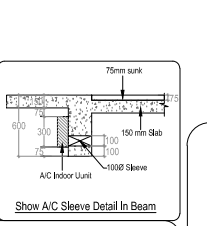
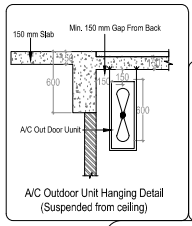
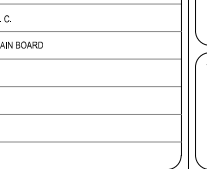
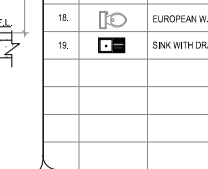
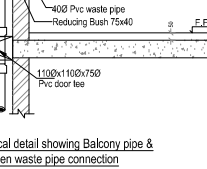
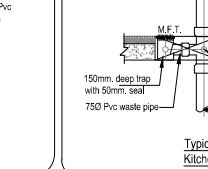
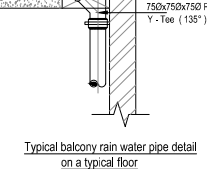
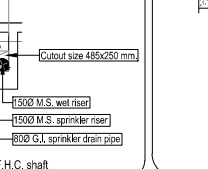
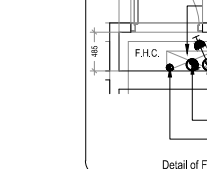
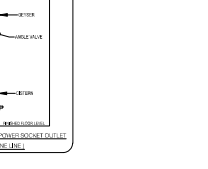
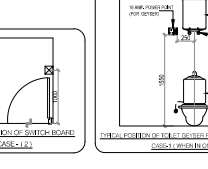
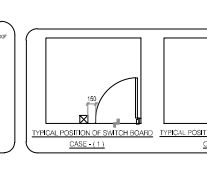
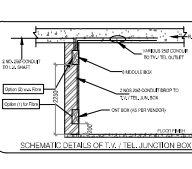
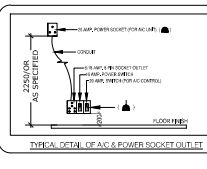
ELEVATION A - ELECTRICAL OUTLETS (TYP)

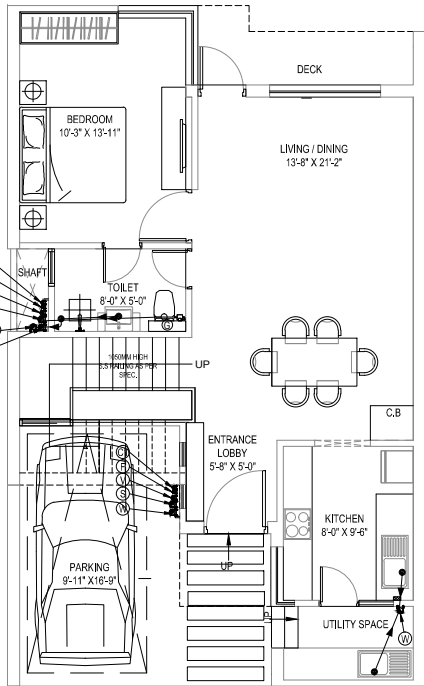


ELEVATION B - ELECTRICAL OUTLETS (TYP)

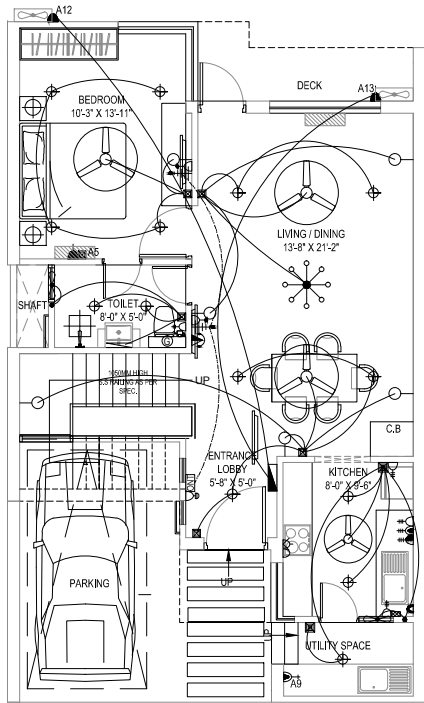


ELEVATION C - ELECTRICAL OUTLETS (TYP)

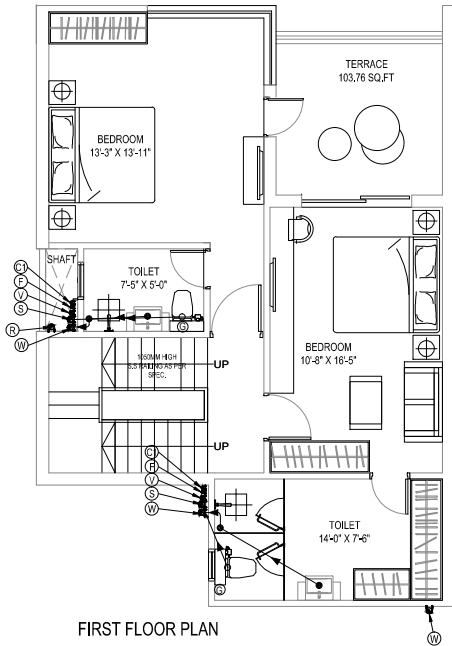




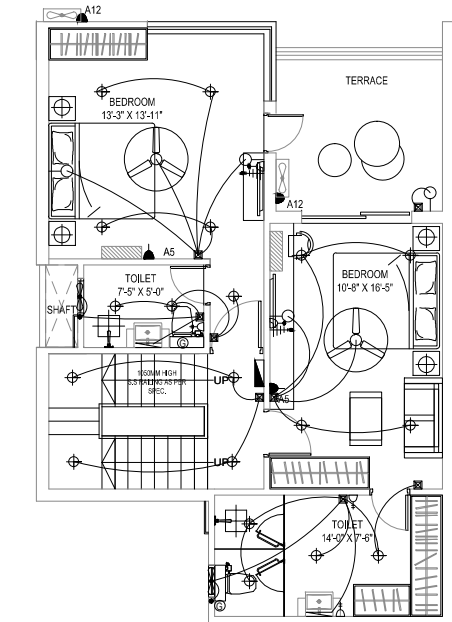
UPPER GROUND FLOOR PLAN



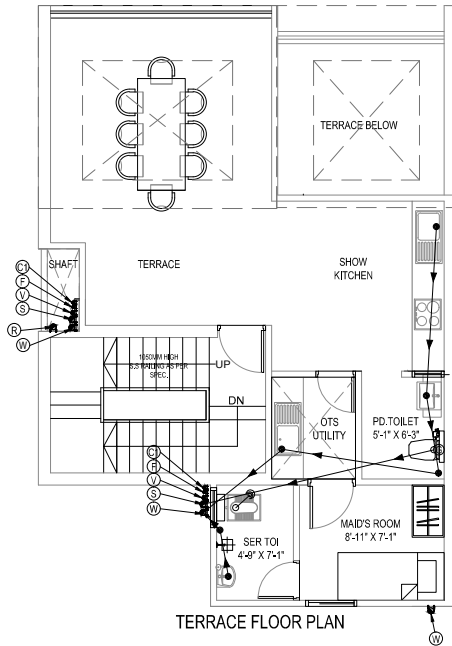
UPPER GROUND FLOOR PLAN



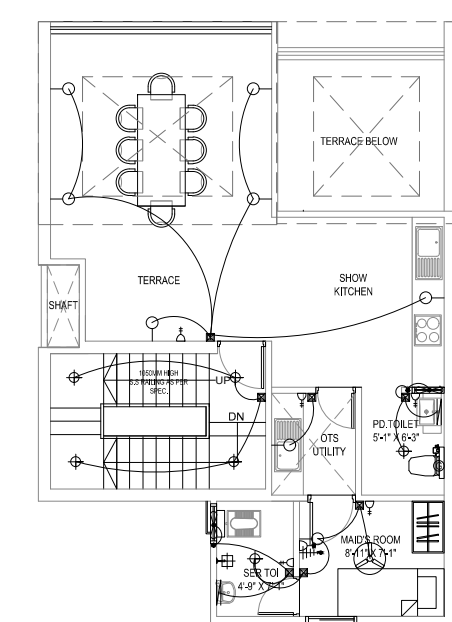
FIRST FLOOR PLAN



FIRST FLOOR PLAN



TERRACE FLOOR PLAN



TERRACE FLOOR PLAN

DISTRIBUTION BOARD : (A) (8+6 WAY - TPN)

LOCATION - TYPICAL FLOOR			
CKT. NO.	WIRE SIZE IN SQ. MM.	SP. MCB'S RATING IN AMP	LOCATION
A-1	2 x 1.5	6	LIVING & DINING
A-2	2 x 1.5	6	M.BEDROOM, TOILET & BALCONY
A-3	2 x 1.5	6	KITCHEN & UTILITY
A-4	2 x 1.5	6	BEDROOM & TOILET
A-5	2 x 1.5	6	BEDROOM, TOILET & BALCONY
A-6	2 x 2.5	16	TOILET -1 (GEYSER)
A-7	2 x 2.5	16	M.TOILET (GEYSER)
A-8	2x4+2x2.5	20	KITCHEN (GEYSER & POWER)
A-9	2x4+2x2.5	20	KITCHEN & UTILITY (POWER)
A-10	2 x 2.5	16	TOILET -2 (GEYSER)
A-11	2 x 4	20	BEDROOM-2 (AC)
A-12	2 x 4	20	BEDROOM-1 (AC)
A-13	2 x 4	20	LIVING & DINING (AC)
A-14	2 x 4	20	M.BEDROOM (AC)
A-15 TO A-18			SPARES

INCOMER :- 40 AMP FP MCB + 40 AMP FP RCCB (30 mA)
SUBMAIN :- 4 X 10+2 X 6 SQ. MM.(EARTH WIRE) [250 CONDUIT]

LEGEND : (Electrical System)

S.No.	SYMBOL	DESCRIPTION	POSITION
1.	[Symbol]	LIGHT POINT/ WALL BRACKET	2250
2.	[Symbol]	ENTRANCE LIGHT	2450
3.	[Symbol]	LIGHT POINT/ WALL BRACKET	2100
4.	[Symbol]	CEILING LIGHT (SURFACE)	
5.	[Symbol]	CEILING LIGHT (SURFACE) (EMERGENCE)	
6.	[Symbol]	MIRROR LIGHT	2000
7.	[Symbol]	CHANDLER	
8.	[Symbol]	CEILING FAN	
9.	[Symbol]	EXHAUST FAN / CEILING ROSE	2000
10.	[Symbol]	WALL MOUNTING REVOLVING FAN	2250
11.	[Symbol]	6 AMP PLUG POINT	200
12.	[Symbol]	6 AMP PLUG POINT (BED SIDE)	550
13.	[Symbol]	2 NOS. 6 AMP SOCKET CONTROLLED BY 1 NO. SWITCH (FOR T.V.)	900
14.	[Symbol]	6 AMP PLUG POINT	1050
15.	[Symbol]	6 AMP PLUG POINT	1200
16.	[Symbol]	6 AMP PLUG POINT	2250
17.	[Symbol]	6 AMP SOCKET OUTLET (FOR CHIMNEY) (SWITCH WILL BE AT MAIN BOARD)	2150
18.	[Symbol]	6/16 AMP POWER POINT	200
19.	[Symbol]	6/16 AMP POWER POINT	900
20.	[Symbol]	6/16 AMP POWER POINT	1050
21.	[Symbol]	6/16 AMP POWER POINT	1200
22.	[Symbol]	16 AMP. POWER POINT (FOR KIT. GEYSER) (CONTROL AT SWITCH BOARD)	1550 / OR AS SPECIFIED
23.	[Symbol]	16 AMP. POWER POINT (FOR KIT. GEYSER) (CONTROL AT SWITCH BOARD)	2200
24.	[Symbol]	16 AMP SWITCH CONTROL FOR KIT. GEYSER	1050
25.	[Symbol]	16 AMP SWITCH CONTROL FOR KIT. GEYSER	1200
26.	[Symbol]	20 AMP SWITCH / SOCKET (A/C POINT)	200
27.	[Symbol]	20 AMP. SOCKET FOR A/C UNIT	2250 / OR AS SPECIFIED
28.	[Symbol]	20 AMP. SWITCH FOR A/C UNIT & 16 AMP SWITCH / SOCKET (POWER POINT)	200 / OR AS SPECIFIED
29.	[Symbol]	TELEPHONE & INTERCOM POINT	200
30.	[Symbol]	TELEPHONE POINT	200
31.	[Symbol]	TELEPHONE POINT (BED SIDE)	550
32.	[Symbol]	T.V. ANTENNA POINT	900
33.	[Symbol]	CALL BELL PUSH	1350
34.	[Symbol]	BUZZER	2250
35.	[Symbol]	SWITCH BOARD	1200
36.	[Symbol]	SWITCH BOARD	1050
37.	[Symbol]	SWITCH BOARD	900
38.	[Symbol]	T.V. & TEL. J.B. OR OPTICAL NODE TERMINAL (IN APARTMENT) (IN DUCT)	200 / 2250 1250
39.	[Symbol]	DISTRIBUTION BOARD (TOP LEVEL)	2100
40.	[Symbol]	INDICATES CONTROLLING OF LIGHT/FAN FROM SWITCH BOARD	
41.	[Symbol]	IN DOOR A/C UNIT	
42.	[Symbol]	OUT DOOR A/C UNIT	
43.	[Symbol]	INDICATIVE CONDUIT RUN FOR LIGHT / FAN CIRCUIT	
44.	[Symbol]	INDICATIVE CONDUIT RUN FOR POWER / A.C. CIRCUIT	
45.	[Symbol]	INDICATIVE CONDUIT RUN FOR TELEPHONE / T.V. SYSTEM	
46.	[Symbol]	INDICATIVE CONDUIT RUN FOR SUBMAIN	

LEGEND : (Plumbing)

S.No.	SYMBOL	DESCRIPTION
1.	[Symbol]	1100 UPVC SOIL AND VENT PIPE
2.	[Symbol]	1100 UPVC WASTE AND VENT PIPE
3.	[Symbol]	750 UPVC ANTI SYPHONAGE PIPE
4.	[Symbol]	110 Pvc RAIN WATER PIPE
5.	[Symbol]	750 PVC BALCONY / STAIRCASE WASTE PIPE
6.	[Symbol]	DOMESTIC WATER SUPPLY DROP FROM TANK TO TOILET / KITCHEN FOR ALL FLOOR EXCEPT TOP TWO FLOOR
7.	[Symbol]	RECYCLED WATER SUPPLY DROP FROM O.H.T. TO W.C. FOR ALL FLOOR
8.	[Symbol]	RISER TO FILL FIRE O.H.T.
9.	[Symbol]	RISER TO FILL FLUSHING O.H.T.
10.	[Symbol]	WASHING MACHINE
11.	[Symbol]	WATER PURIFIER
12.	[Symbol]	GEYSER
13.	[Symbol]	MIXTURE & SHOWER
14.	[Symbol]	DRAIN POINT
15.	[Symbol]	MULTI FLOOR TRAP - 6" deep (50 mm seal)
16.	[Symbol]	P TRAP (110 X 110 MM) - long type (50 mm seal)
17.	[Symbol]	COUNTER WASH BASIN
18.	[Symbol]	EUROPEAN W. C.
19.	[Symbol]	SNK WITH DRAIN BOARD

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 - For riser to fill OHT - G.I. (CLASS B) by helon tape
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- Hot water supply pipe material**
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 - 75/ 90/ 110/ 160 mm dia pipe (vertical pipe in shaft) - UPVC (TYPE B) (SWR grade) as per IS - 13592 & IS - 14735 (suitable for rubber ring joint)
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- The slope of toilet floors towards the floor trap shall be 1 in 40 (minimum).
- The slope of terrace from ridge line towards rain water pipes shall be 1 in 100 to 1 in 125.
- All hot water pipes on terrace / duct shall be insulated by nitrile rubber; the thickness of insulation will be :-
 - For 15 & 20 mm dia. pipe - 9 mm thick
 - For 25, 32 & 40 mm dia. pipe - 13 mm thick
 - For 50 mm & above dia. pipe - 19 mm thick
 For terrace installation the nitrile rubber insulation will be protected by polyshield mechanical protection.
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- All soil & waste pipes laid under toilet / kitchen floor shall be covered around with 75 mm C.C. (1 : 1.5 : 3)
- Soil / waste / rain water pipe in basement shall be suspended from ceiling through G.I. hangers.
- All ewcs shall be floor mounted type and the model should be so selected, that the S trap outlet centre should be 200 - 300 mm from back wall. (unless specifically specified)
- The mounting height of different appliances / taps shall be as under**
 - Wall mixture (for bathing) - 1050 m.m.
 - Shower - 2050 m.m. or as specified
 - Single lever diverter - 1100 m.m.
 - Spout (for bathing) - 850 m.m.
 - Table top / mixture - 7050 m.m.
 - Angle valve - 1550 m.m. / or as per site
 - For toilet geyser - 2000 m.m. / or as per site
 - For kitchen geyser - 600 m.m.
 - For washing machine - 1050 m.m.
 - For water purifier - 300 m.m.
 - For health spray (for W.C.) - 200 / 2250
 - For cistern (for W.C.) - 300 m.m.
 - For wash basin - 500 m.m.
 - For wash basin (top of rim) - 800 - 850 m.m.
 - Abolition tap - 300 m.m.

Rev. No.	Date	Revision
R-0	03-10-16	GFC.

Project : RISE RESORT RESIDENCES
PLOT NO:- SC01,
ADJOINING SECTOR TECH ZONE-IV
GREATER NOIDA, INDIA

Title : **PLUMBING/ELECTRICAL DRAWING**
(TYPE 3B+3T)

Subtitle : **FLOOR PLAN**

Drawing Released For :
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Drp. No : **RRR / 3B+3T-PP-PL/ELE-01**

Scale : **1:65** Drawn By : **Jagdish**

Date : **Aug. 2016** Design By : **Nitesh Kumar**

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