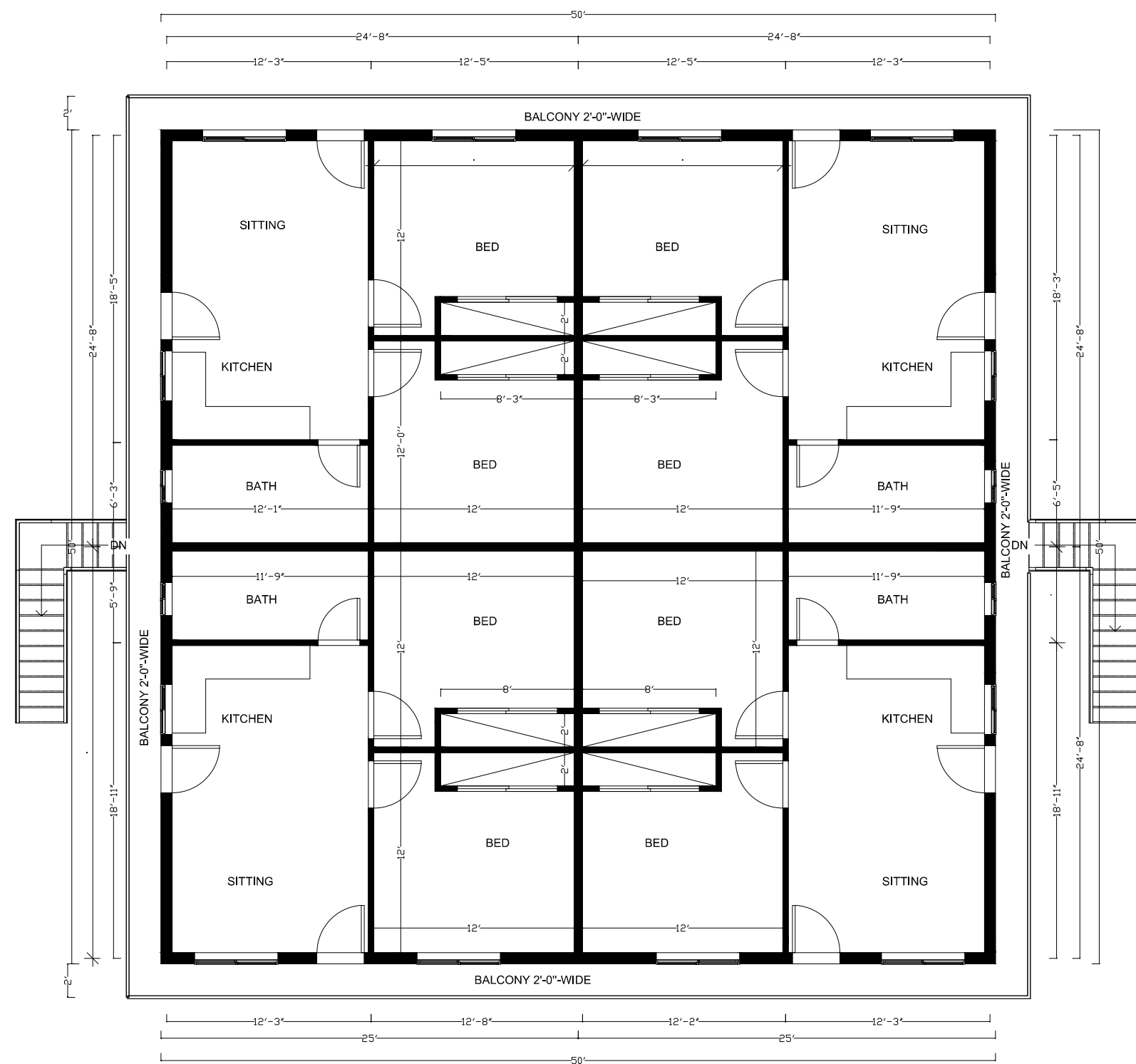
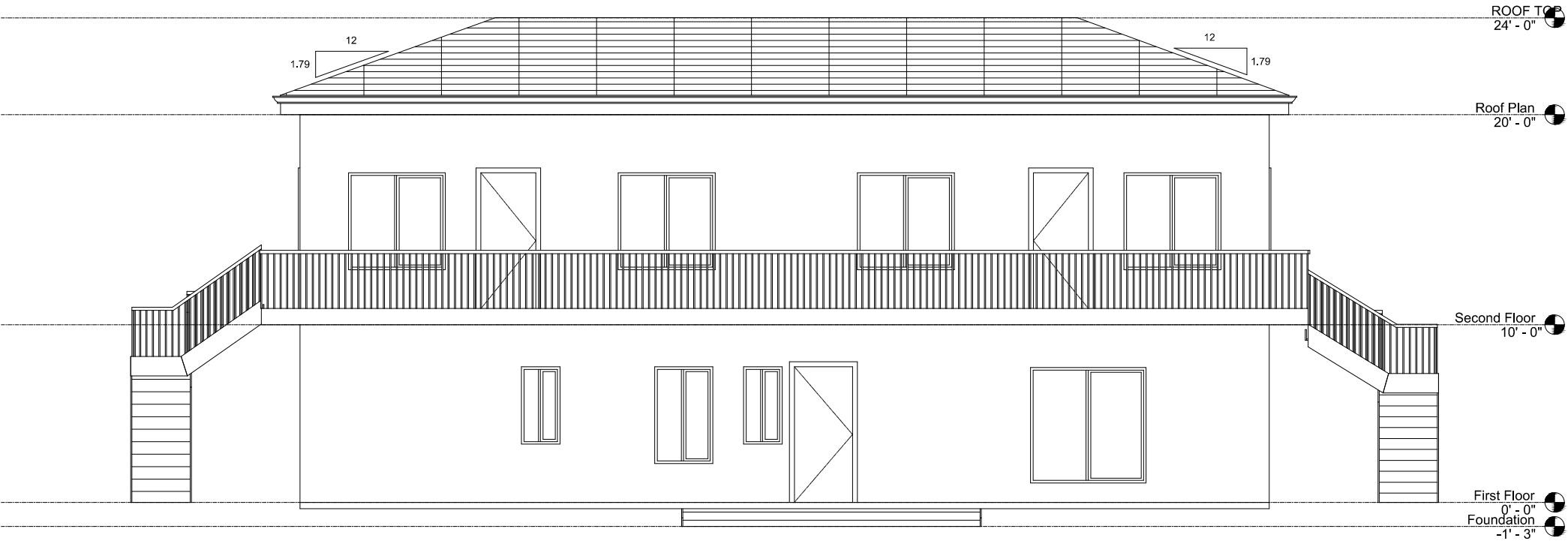
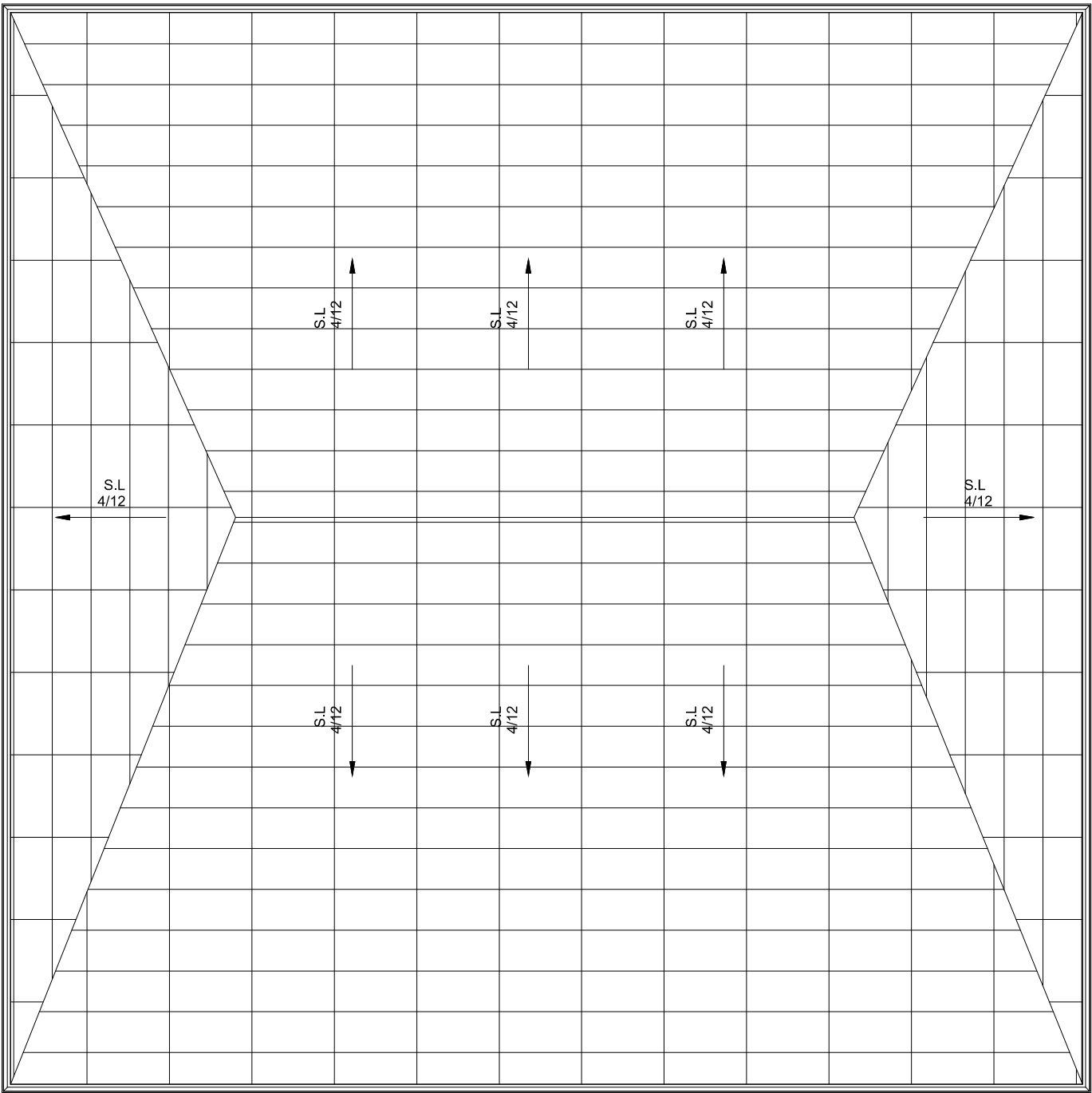


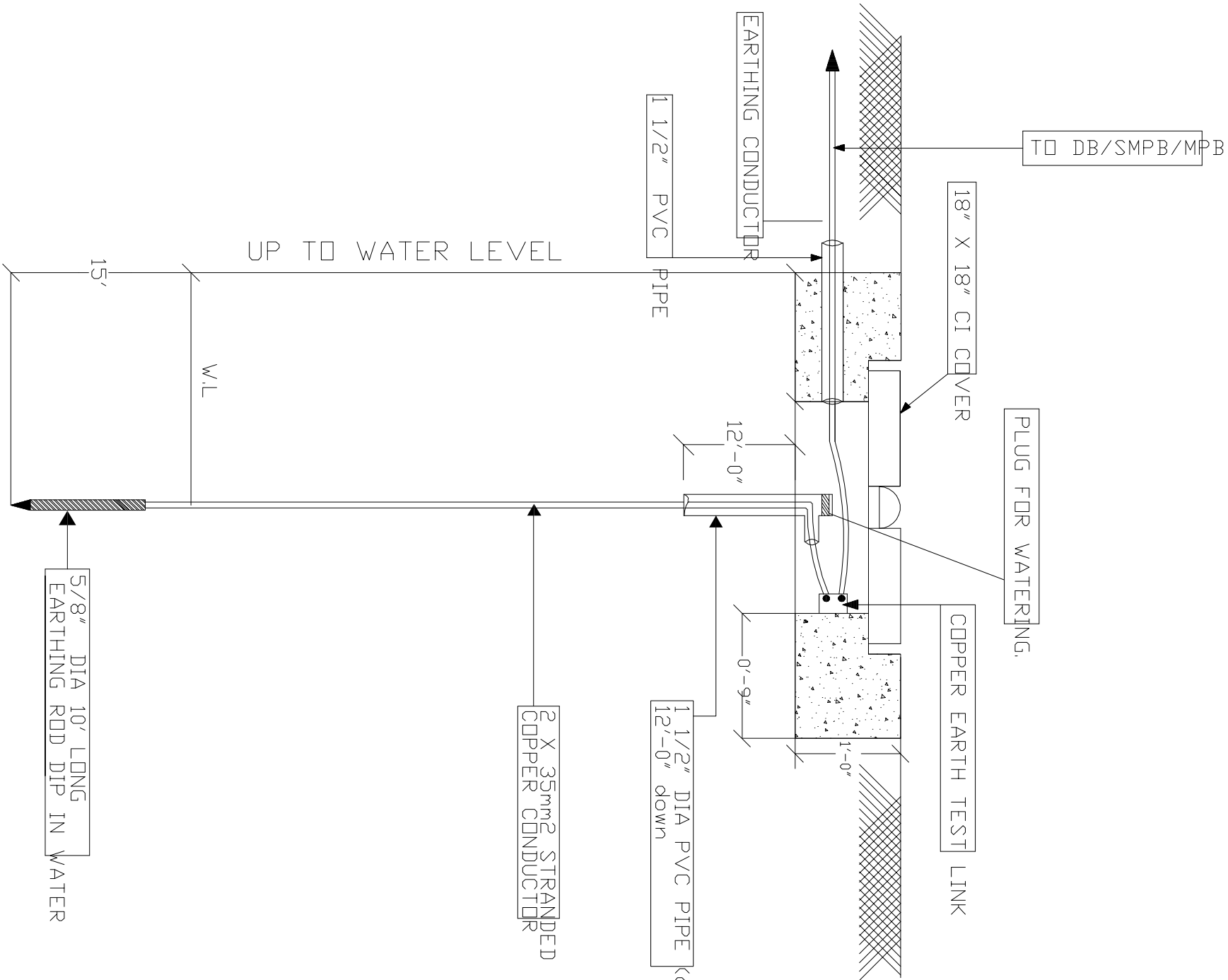




ELEVATION PLAN



ROOF PLAN



GENERAL NOTES FOR ELECTRICAL WORKS.

ELECTRICAL WORKS.

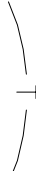
- 1- ALL ELECTRICAL WORKS PERTAINING TO WIRING OF ELECTRICAL SYSTEMS SHALL STRICTLY CONFORM TO IEE 7671 17th EDITION OF WIRING RULES & REGULATIONS.
- 2- ELECTRICAL WIRING,
ALL WIRING SHALL BE DONE IN PVC CONDUIT TO BE CONCEALED IN WALLS, SLABS, COLUMNS AND FLOOR OR AS SHOWN ON DRAWINGS.
- 3- THE WIRING SHOULD BE STARTED ONLY AFTER THE COMPLETION OF CONDUIT WORK AND ALSO AFTER INSTALLATION OF BACK BOXES FOR OUTLETS AND SWITCHES.
- 4- NO LUBRICATION EXCEPT AS RECOMMENDED BY MANUFACTURER SHALL BE USED FOR PULLING OF WIRES IN PVC CONDUITS.
- 5- COLOR CODING FOR WIRING SHALL BE AS FOLLOWS: RED, YELLOW AND BLUE FOR PHASES, BLACK FOR NEUTRAL AND GREEN/YELLOW FOR CPC (EARTH).
- 6- ALL LIGHT POINTS, FANS AND EXHAUST FANS SHALL BE WIRED WITH 3X1.5mm² (P+N+E) SINGLE CORE PVC INSULATED CABLE IN PVC 1" OR 3/4" DIA CONDUIT OR AS REQUIRED AS PER SITE.
- 7- ALL GENERAL POWER PLUGS SHALL BE WIRED WITH 2X4mm² AND 1X2.5mm² (P+N+E) SINGLE CORE PVC INSULATED CABLE IN PVC 1" OR 3/4" DIA CONDUIT OR AS SHOWN ON THE DRAWING.
- 8- THE SIZE OF CABLES OR CONDUIT FOR POWER PLUGS OF A/Cs SHALL BE WIRED ACCORDING TO THEIR TONNAGE CAPACITY OR AS SHOWN THE DRAWING.
- 9- NOS. OF WIRE/CABLES IN ONE PVC CONDUIT OR IN ONE DUCT SHALL BE DRAWN ACCORDING TO THE IEE 7671 17th EDITION REGULATIONS.
- 10- THE DISTANCE OF CABLES SUPPORTS AND SADDLE FOR CONDUIT SHALL BE ACCORDING TO THE IEE 7671 17th EDITION REGULATIONS.
- 11- ALL LIGHT PLUGS, GENERAL POWER PLUGS, POWER PLUGS FOR A/Cs AND ALL LIGHT POINTS I/E CEILING, HANGING, WALL BRACKET, SPOT, CEILING FAN, EXHAUST FAN WALL BRACKET, WATER PROOF LIGHT, POLE LIGHT, FOUNTAIN LIGHT OR ANY OTHER ELECTRIC POINT WILL BE CONNECTED WITH CPC (EARTH WIRE) AS MENTIONED IN ABOVE NOTES OR AS SHOWN ON DRAWINGS.
- 12- ALL LIGHT CIRCUITS SHALL BE DRAWN DIRECTLY FROM DB TO SWITCH BOARD AND NOT THROUGH FAN BOX , CEILING LIGHT OR THROUGH ANY OTHER ELECTRIC POINT.
ELECTRICAL CONSULTANT.
ELECTRICAL CONTRACTOR / ENGINEER WILL CONSULT TO CONSULTANT FOR ANY FURTHER CLARIFICATIONS. NO ASSUMPTIONS SHOULD BE MADE.

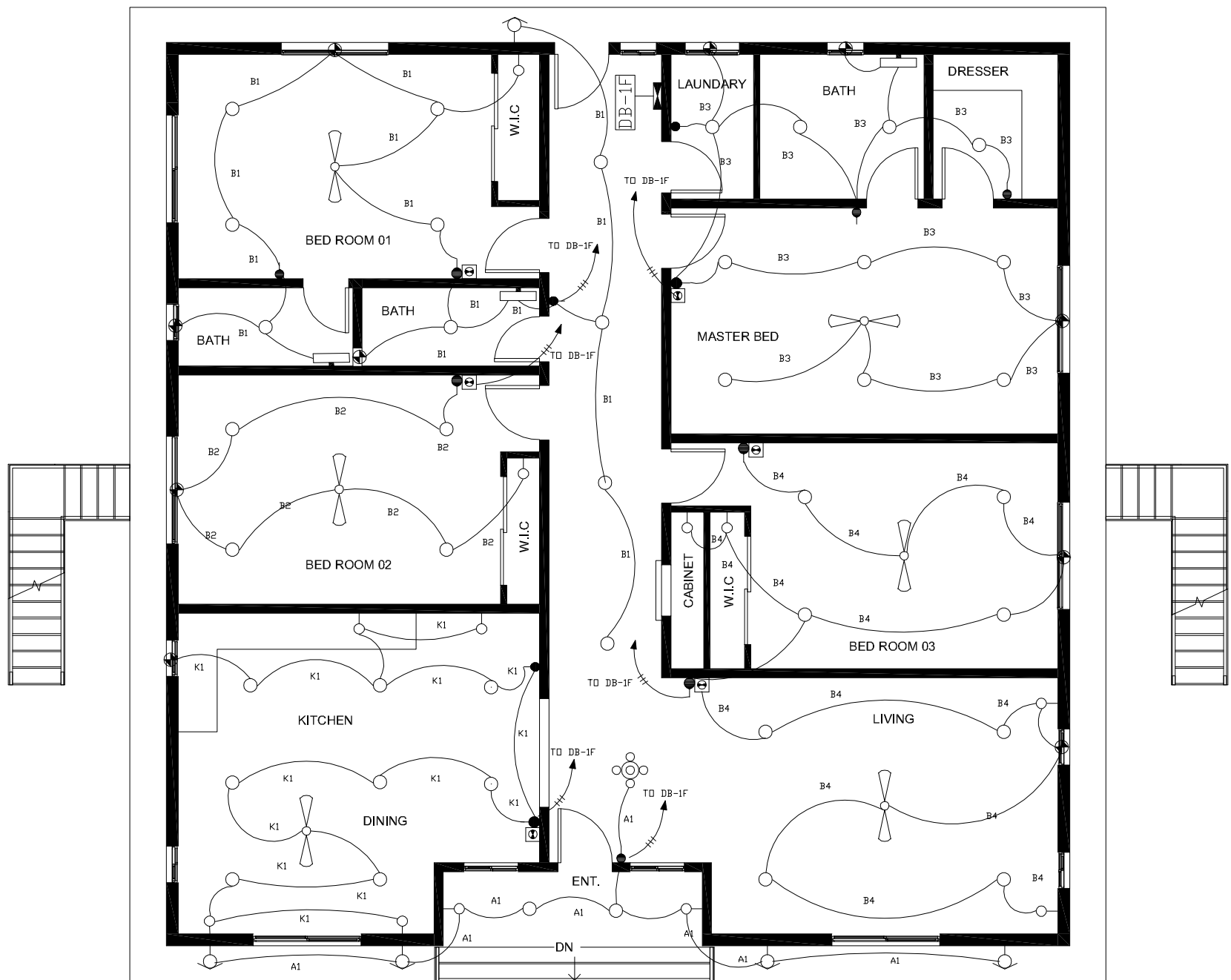
DETAIL OF BORE TYPE EARTH

LEGEND

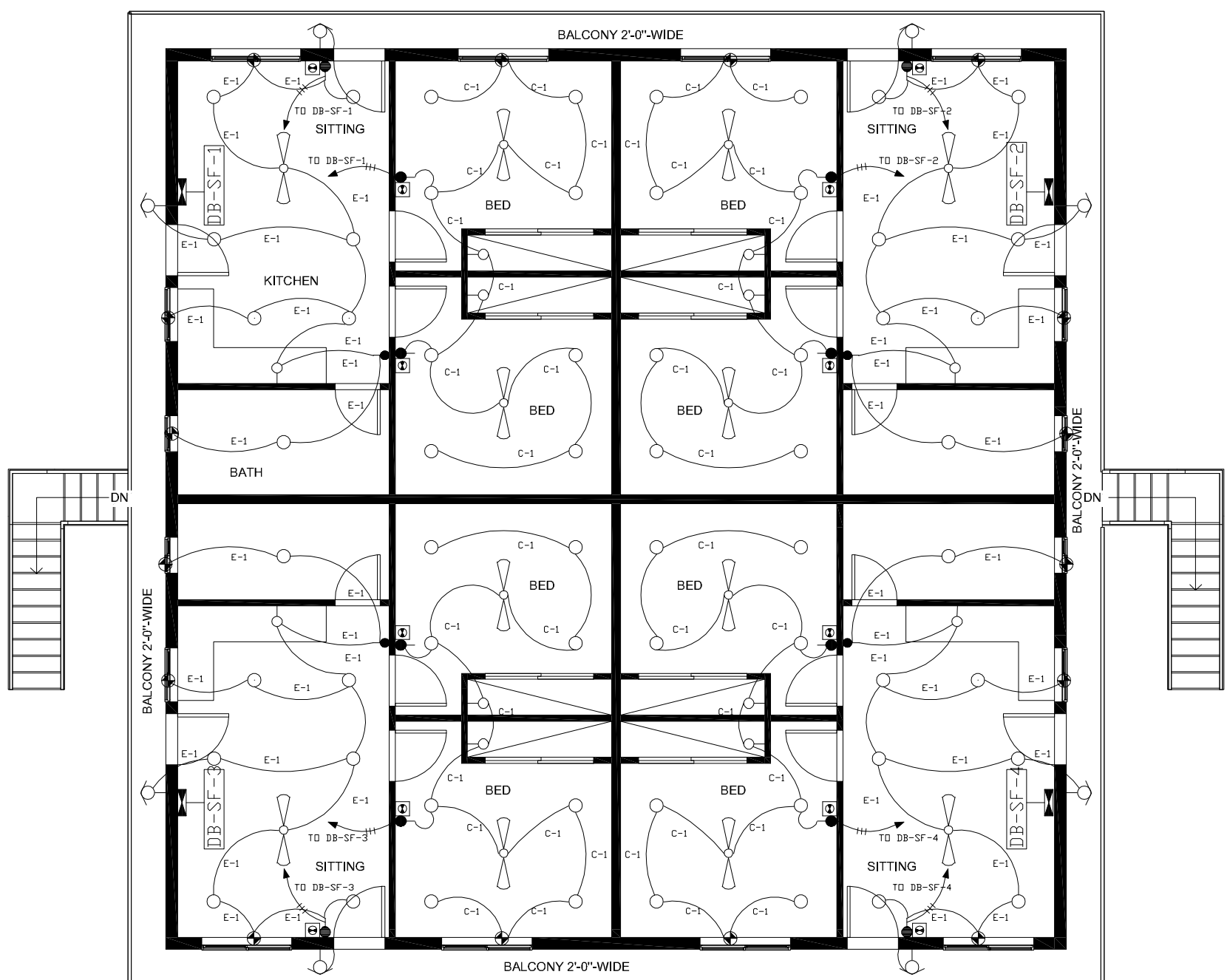
SWITCH BOARDS, DB, SOCKETS OUTLETS		
SYMBOL	D E S C R I P T I O N	MOUNTING HEIGHT
	5 AMPS ONE WAY SWITCH	3'-3" FFL
	SWITCH BOARD WITH FAN DIMMER	3'-3" FFL
	5 AMPS TWO WAY SWITCH BOARD	3'-3" FFL
	3 PIN 5 AMPS SWITCH SOCKET	0'-9" FFL
	3 PIN 15 AMPS SWITCH SOCKET	0'-9" FFL
	3 PIN 15 AMPS AND 5 AMP SWITCH SOCKET	0'-9" FFL
	3 PIN 5 AMPS SWITCH SOCKET	3'-3" FFL
	DECORATIVE CALL BELL AS APPROVED BY ARCHITECT	8'-0" FFL
	DECORATIVE PUSH BUTTON AS APPROVED BY ARCHITECT	4'-0" FFL
	SPLIT A/C	_____
	DISTRIBUTION BOARD	4'-0" FFL
	MAIN PANEL BOARD	4'-0" FFL
	MANHOLE FOR CABLE	_____
	EARTHING BORE	_____

LIGHTS		
SYMBOL	D E S C R I P T I O N	MOUNTING HEIGHT
	4' LED ROD AS APPROVED BY ARCHITECT	CEILING
	DECORATIVE LED MIRROR LIGHT AS APPROVED BY ARCHITECT	ABOVE MIRROR
	DOWN LIGHT AS APPROVED BY ARCHITECT	CEILING
	DECORATIVE HANGING LIGHT AS APPROVED BY ARCHITECT	AS PER SITE
	DECORATIVE CEILING FAN AS APPROVED BY ARCHITECT	CEILING
	WALL BRACKET FAN AS APPROVED BY ARCHITECT	7'-0" FFL
	EXHAUST FAN AS APPROVED BY ARCHITECT	8'-0" FFL
	DECORATIVE LED BOUNDARY WALL LIGHT AS APPROVED BY ARCHITECT	AS PER SITE
	DECORATIVE BULK HEAD LIGHT AS APPROVED BY ARCHITECT	8'-0" FFL
	DECORATIVE WALL BRACKET LIGHT AS APPROVED BY ARCHITECT	7'-0" FFL
	DECORATIVE CHANDELIER AS APPROVED BY ARCHITECT	AS PER SITE
	DECORATIVE GATE LIGHT AS APPROVED BY ARCHITECT	AS PER SITE
	DECORATIVE PLANTER LIGHT AS APPROVED BY ARCHITECT	AS PER SITE
	DECORATIVE STEP LIGHT AS APPROVED BY ARCHITECT	AS PER SITE

TELEPHONE, TV OUTLETS		
SYMBOL	D E S C R I P T I O N	MOUNTING HEIGHT
	TV OUTLET	3'-3" FFL
	TELEPHONE OUTLET WITH RJ-11 SOCKET	0'-9" FFL
	C C T.V CAMERA	_____
	MONITOR FOR CC T.V	_____
	DIGITAL VIDEO RECORDER	_____
	PULL BOX	0'-9" FFL
	TV JUNCTION BOX	0'-9" FFL
	1"Ø PVC TELEPHONE LINE	_____
	FLOOR BOX FOR DATA, VOICE, POWER OUTLETS.	_____



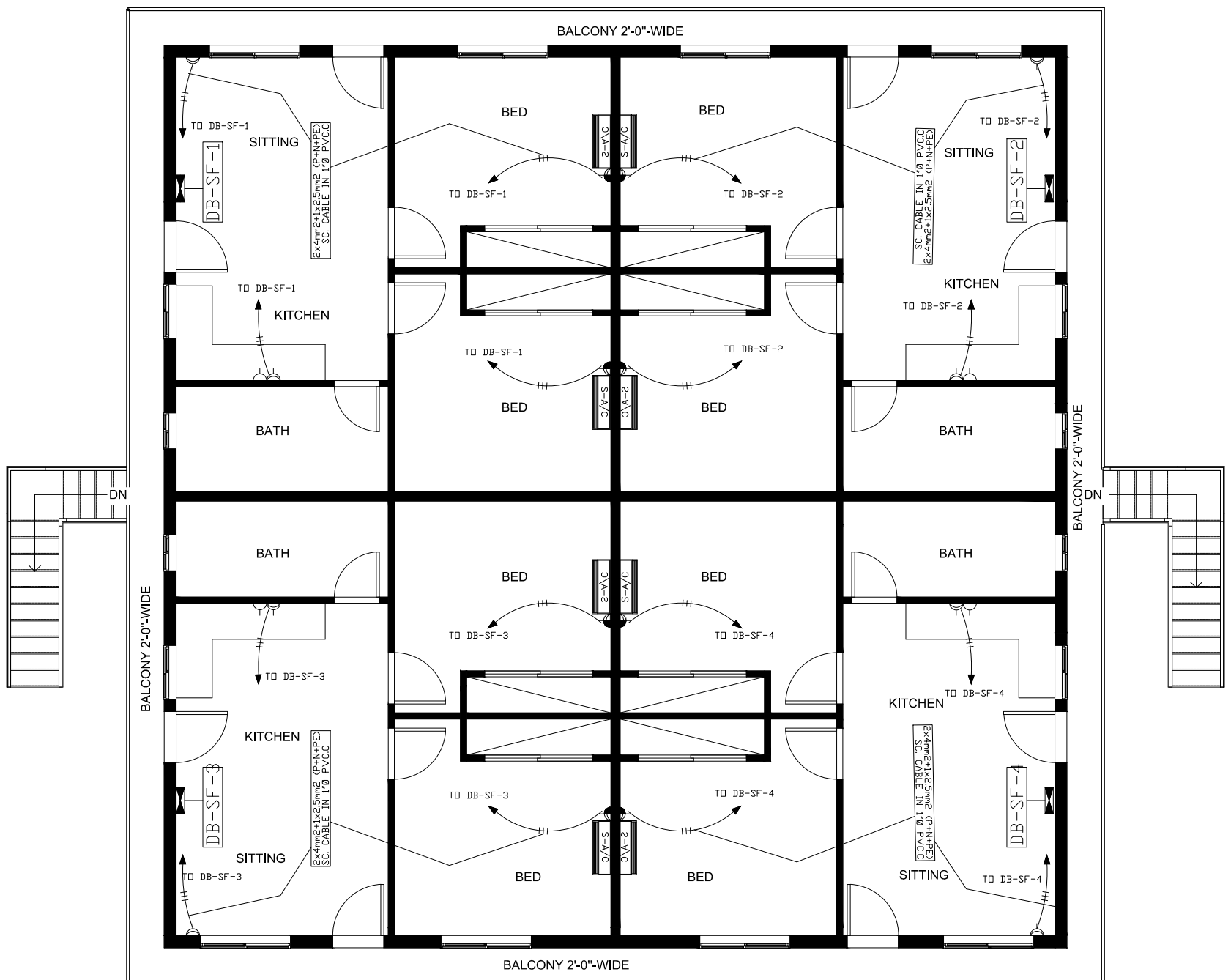
ELECTRIFICATION LAYOUT
FIRST FLOOR



ELECTRIFICATION LAYOUT
SECOND FLOOR



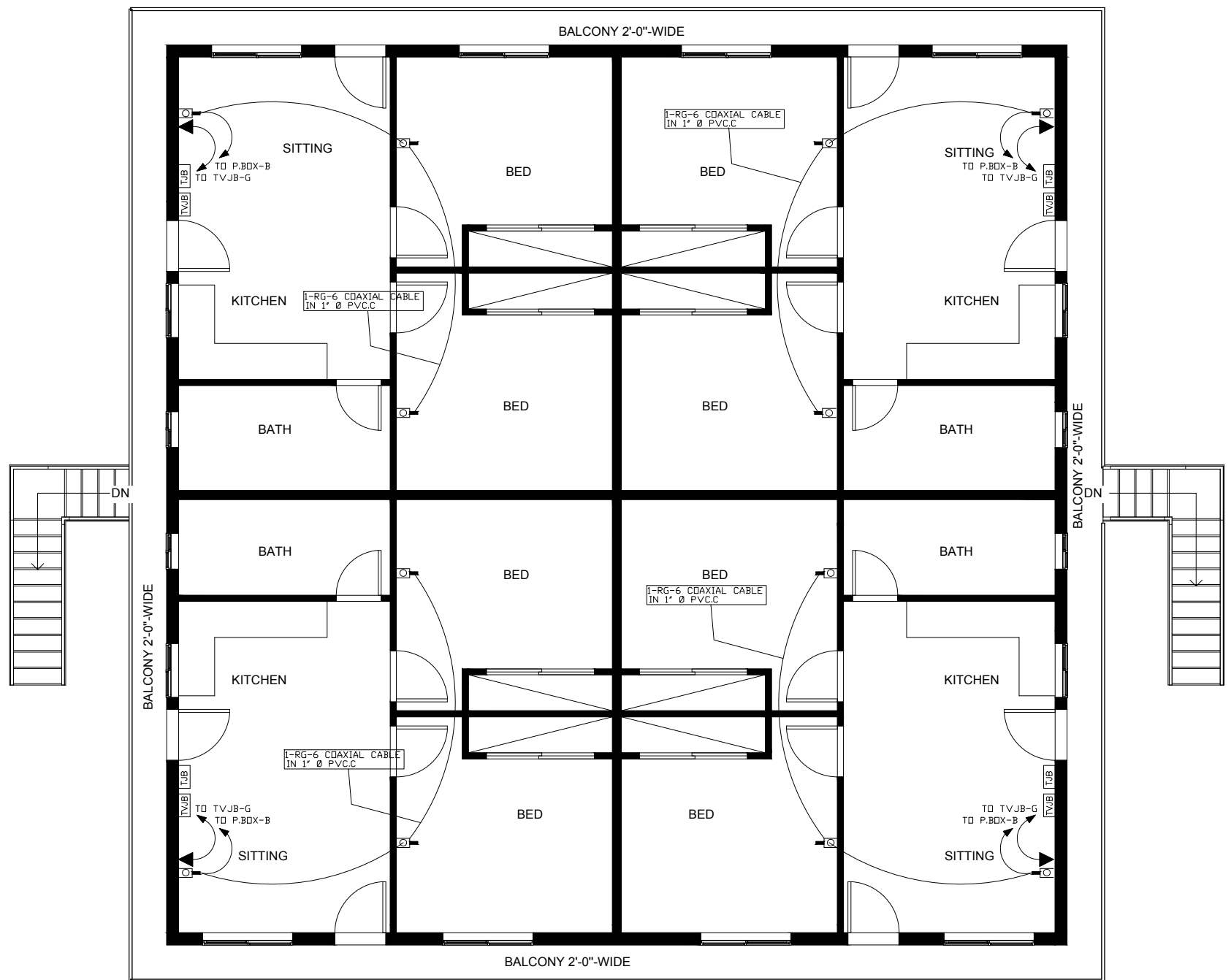
POWER & AC'S LAYOUT
FIRST FLOOR



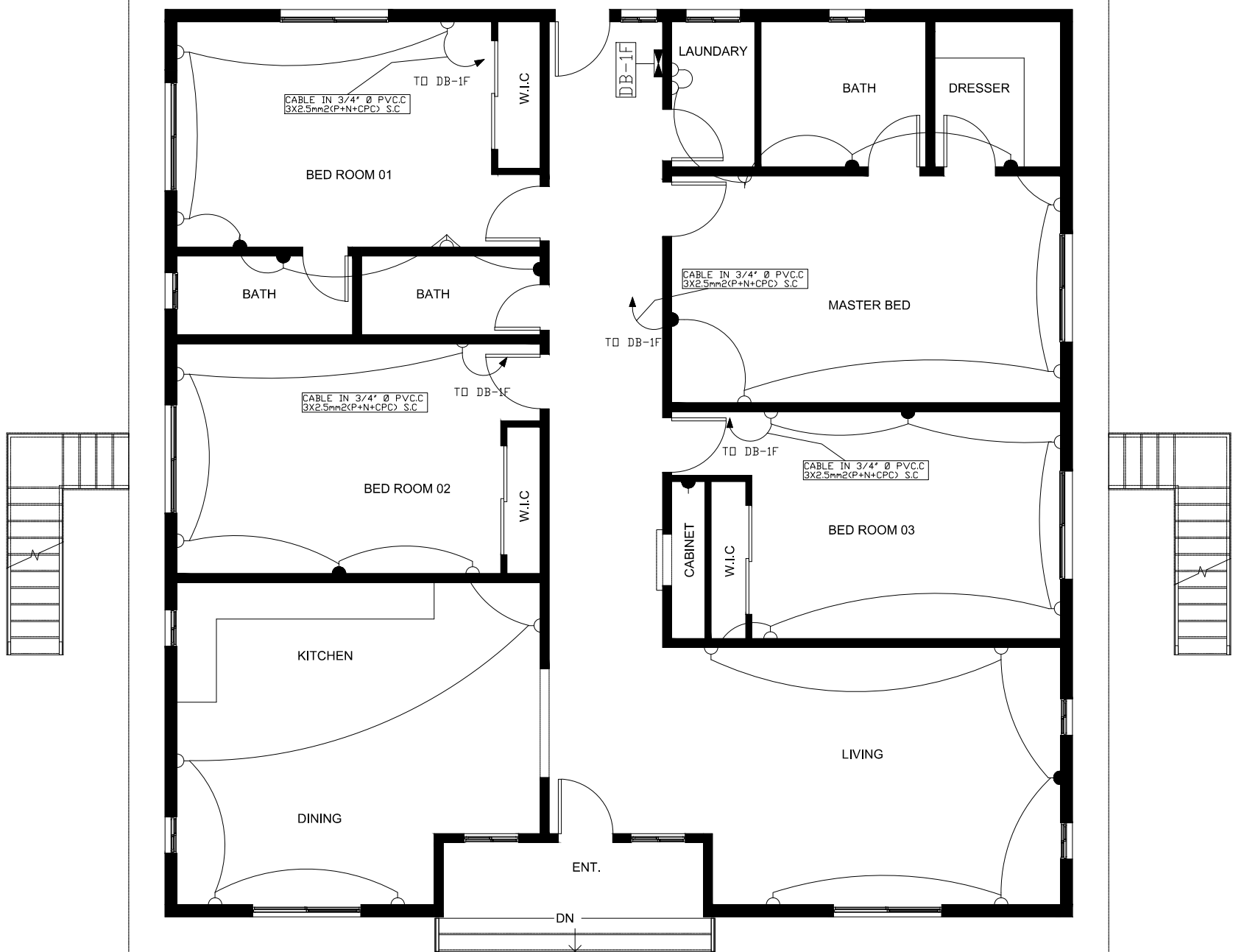
POWER & AC'S LAYOUT
SECOND FLOOR



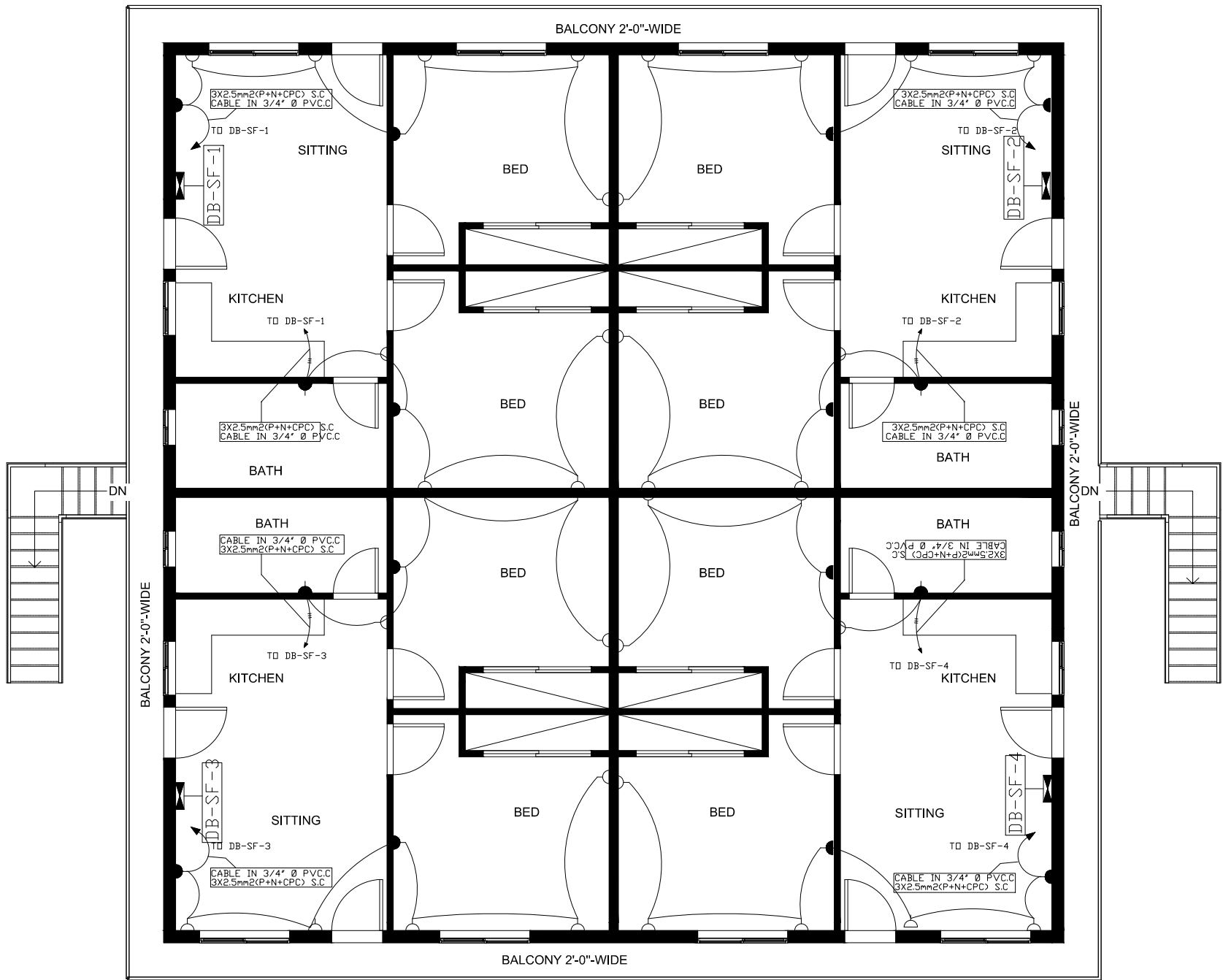
TELEPHONE, TV & DATA CABLE LAYOUT
FIRST FLOOR



TELEPHONE, TV & DATA CABLE LAYOUT
SECOND FLOOR



LIGHT PLUG LAYOUT
FIRST FLOOR



LIGHT PLUG LAYOUT
FIRST FLOOR

GENERAL NOTES:

- 01– ALL SOIL AND WASTE PIPE SHALL BE uPVC AS PER ISO 3633:1991 AND PS 3214:1992 TYPE”B” OR EQUIVALENT SPECIFICATIONS.
- 02– ALL COLD AND HOT WATER PIPES SHALL BE POLYPROPYLENE AS PER DIN 8077–8078 CLASS PN–20 FOR PIPES AND PN–25 FOR FITTINGS.
- 03– UPVC P–TRAP SHALL BE USED WITH ALL GULLY TRAPS.
- 04– VENT PIPES SHALL BE EXTENDED ONE FT ABOVE FINISHED ROOF LEVEL.
- 05– WATER HEATER SHALL BE STORAGE TYPE
- 06– MINIMUM SIZE OF HOT AND COLD WATER PIPES INISDE TOILET SHALL BE 25 mm O/D.
- 07– ALL PIPING SHALL BE TESTED FOR LEAKAGE BEFORE THE JOINTS ARE COVERED.
- 08– ALL FLOOR TRAP SAHLL BE OF UPVC.
- 09– TEFLON TAPE SHALL BE USED FOR JOINTING OF GI PIPES.
- 10– ALL UPVC PIPING SOIL & WASTE SHALL BE JOINTED WITH SOLUTION.
- 11– ALL SOIL PIPES SHALL BE 4” DIA UPVC UNLESS OTHERWISE MENTIONED.
- 12– ALL WASTE PIPES SHALL BE 3” DIA UPVC UNLESS OTHERWISE MENTIONED.
- 13– ALL WASTE PIPES FROM WASHBASIN OR SINK TO F.T. SHALL BE 2” DIA UPVC.
- 14– ALL PPRC PIPE SIZES SHOWN ON DRAWING ARE OUTER DIAMTERS.

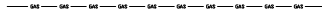
PPRC OUTER DIA	PPRC INTERNAL DIA
25 mm	16.6 mm = 1/2”
32 mm	21.2 mm = 3/4”
40 mm	26.6 mm = 1”
50 mm	33.4 mm = 1–1/4”
63 mm	42 mm = 1–1/2”
75 mm	50 mm = 2”
90 mm	63 mm = 2–1/2”
100 mm	75 mm = 3”

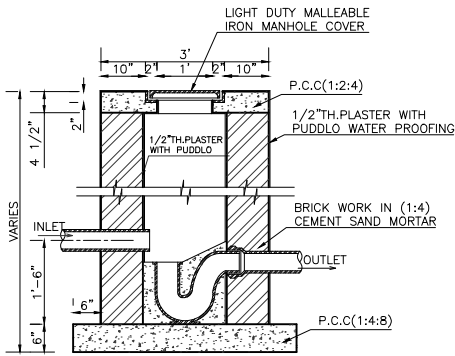
15. SLOPE FOR PIPES

2” DIA	1 IN 48
3” TO 6” DIA	1 IN 96
8” & ABOVE	1 IN 192

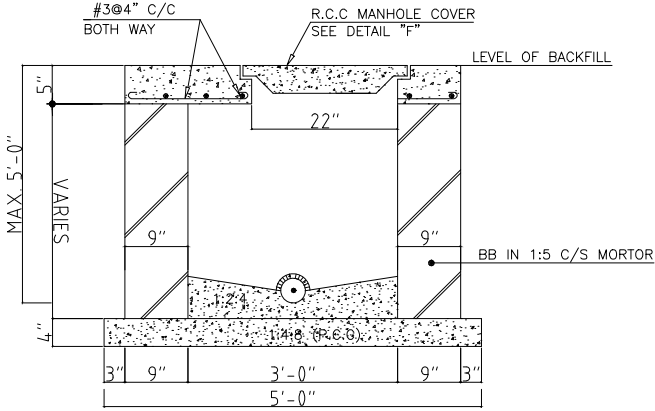
16. PROVIDE BALL VALVE TO ALL INDIVIDUAL BATHS AT EXTERNAL WALL.

LEGEND

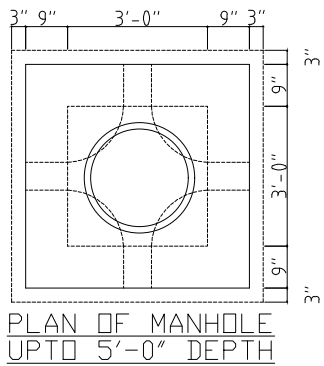
01– UPVC SOIL PIPE	
02– UPVC WASTE PIPE	
03– POLYPROPYLENE COLD WATER	PPCW
04– POLYPROPYLENE HOT WATER	PPHW
05– FLOOR TRAP (MULTI)	 FT
06– GULLY TRAP	 GT
07– MAN HOLE	 MH
08– BALL VALVE	BV 
09– GI GAS PIPE	 GI GAS
10– GI COLD WATER PIPE	GICW
11– P– TRAP	 PT
12– BOTTLE TRAP	 BT
13– CLEAN OUT PLUG	 CO
14– POLYPROPYLENE HOT WATER RETURN	PPHWR



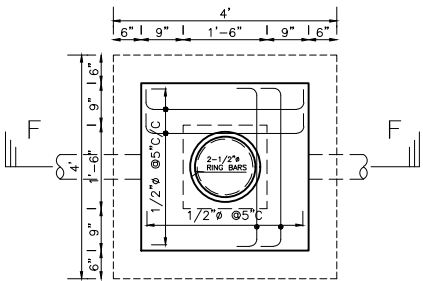
SECTION F-F



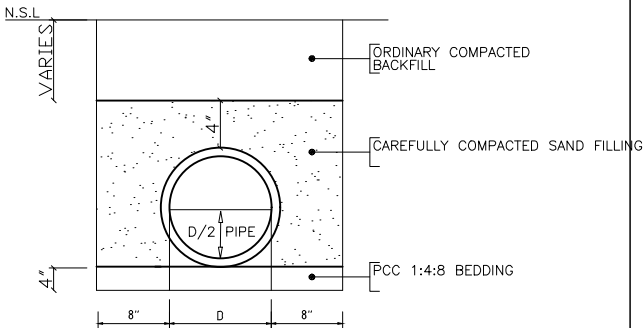
TYPICAL SECTION OF MANHOLE



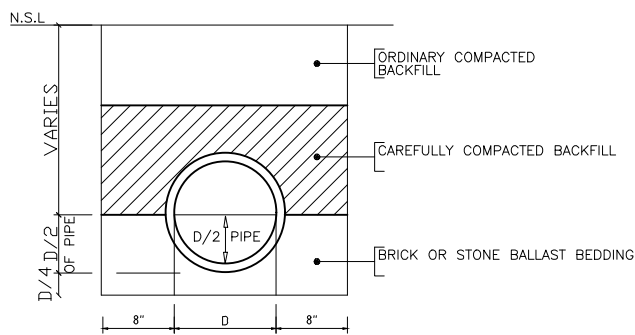
PLAN OF MANHOLE
UPTO 5'-0" DEPTH



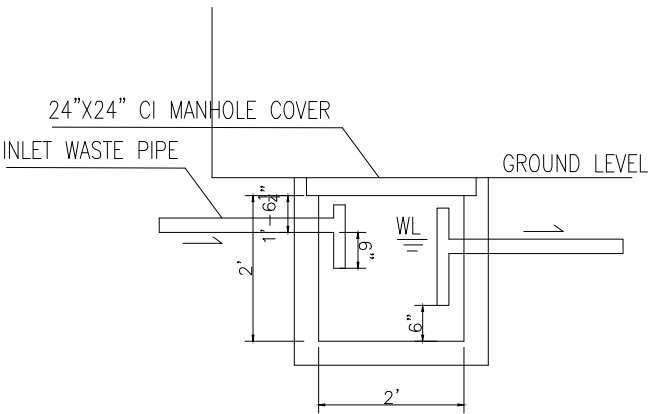
GULLY TRAP



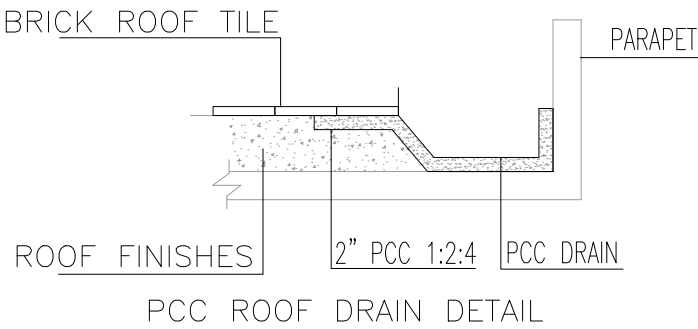
BEDDING FOR LAYING
UPVC SEWER



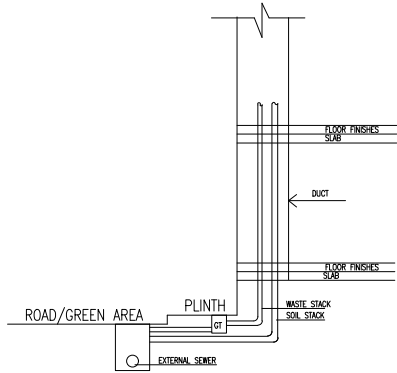
BEDDING FOR LAYING
RCC SEWER



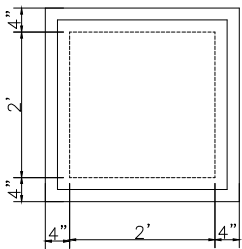
SECTION



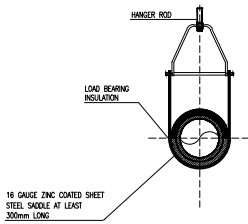
PCC ROOF DRAIN DETAIL



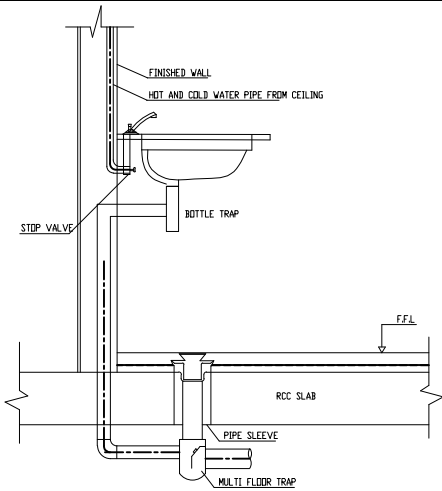
TYPICAL SECTION
DRAINAGE PIPES FROM BUILDING TO SEWER



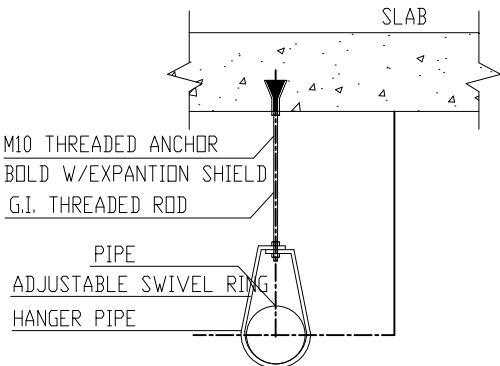
PLAN OF 2'X2' RCC GREASE TRAP



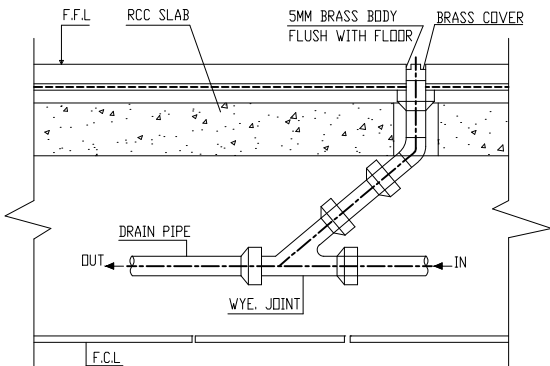
PIPE HANGER SCHEDULE			
PIPE SIZE mm	MAX. SPACING mm	ROD SIZE mm	RAWL BOLT mm
20—50	200	10	6 X 62
62—75	250	13	10 X 62
100—125	300	16	13 X 62
125—150	350	20	16 X 76
200—300	400	22	16 X 76



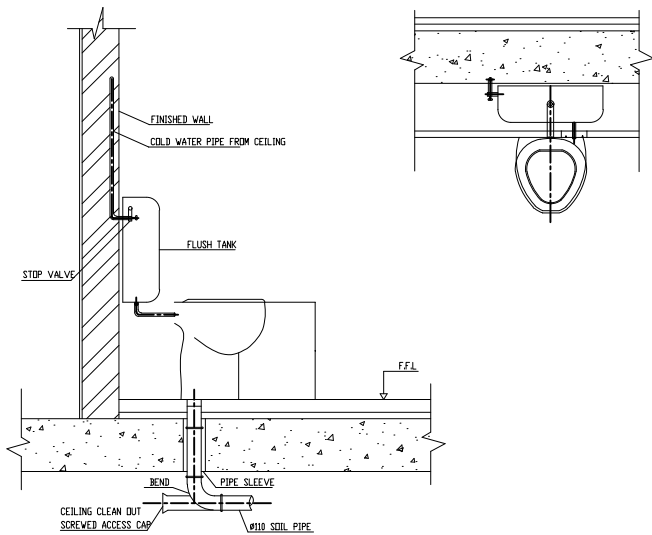
DETAIL OF LAVATORY CONNECTION FOR TOILET UNDER CEILING
SCALE N.T.S



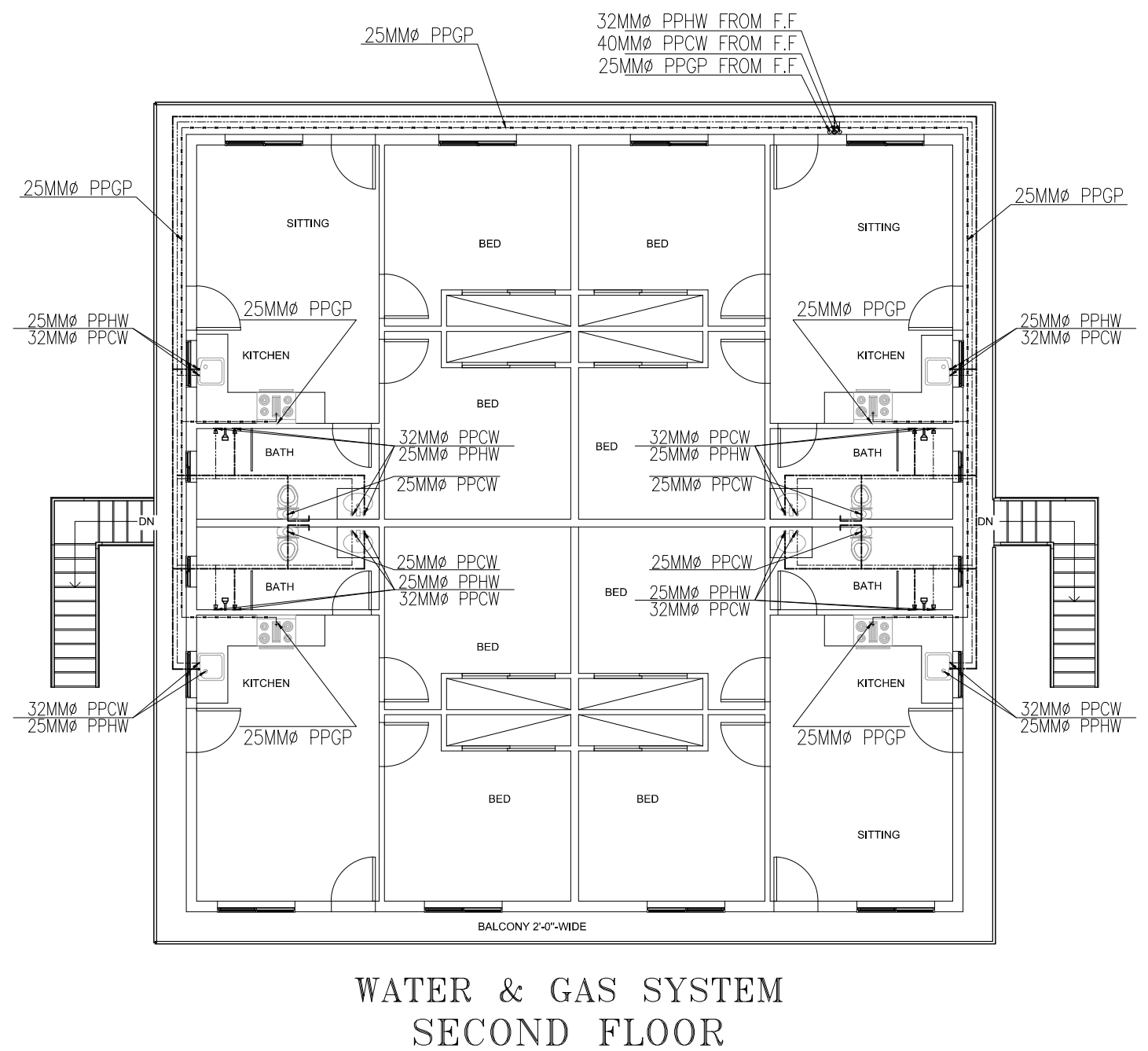
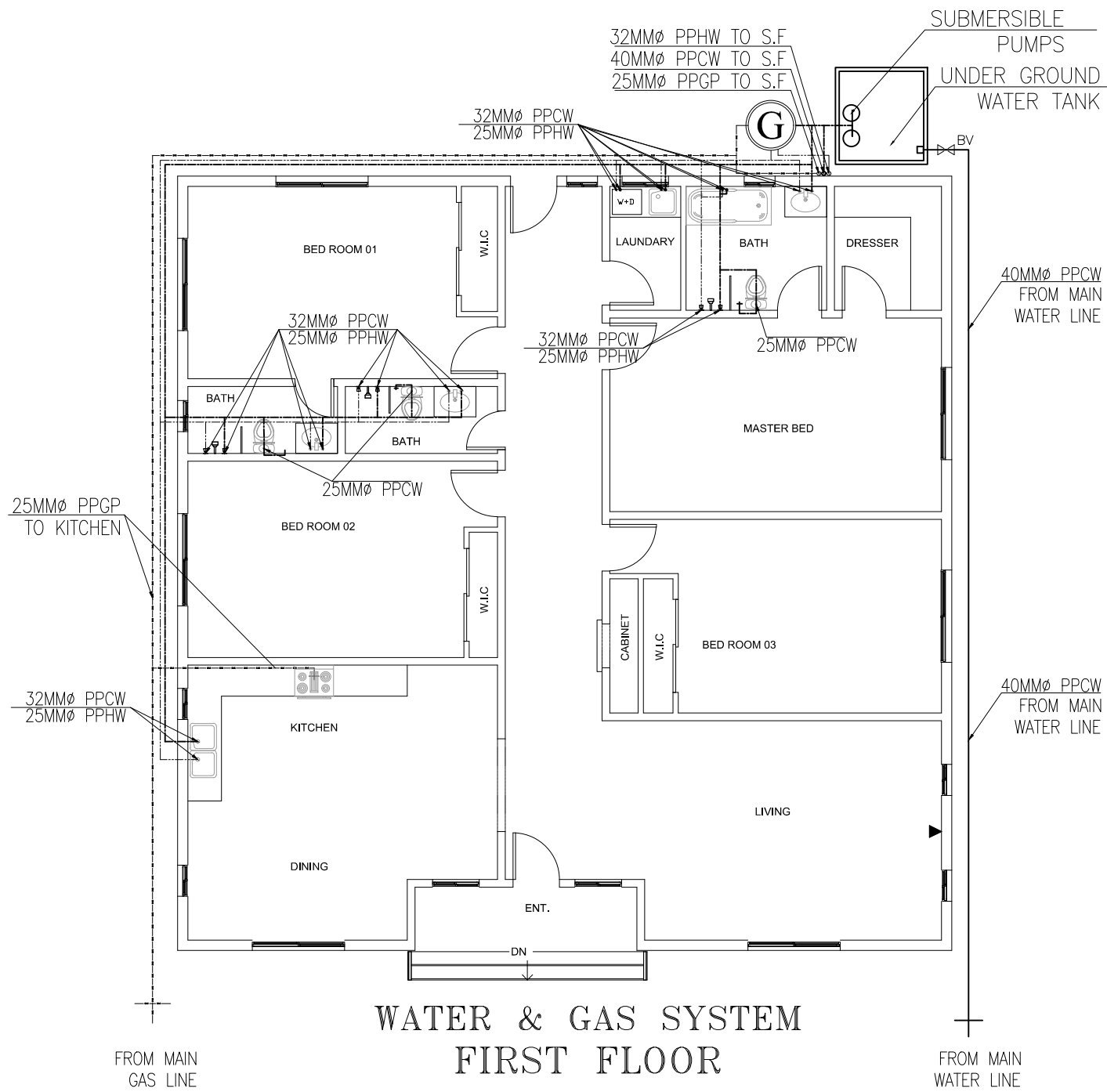
DETAIL OF PIPE HANGER
SCALE N.T.S

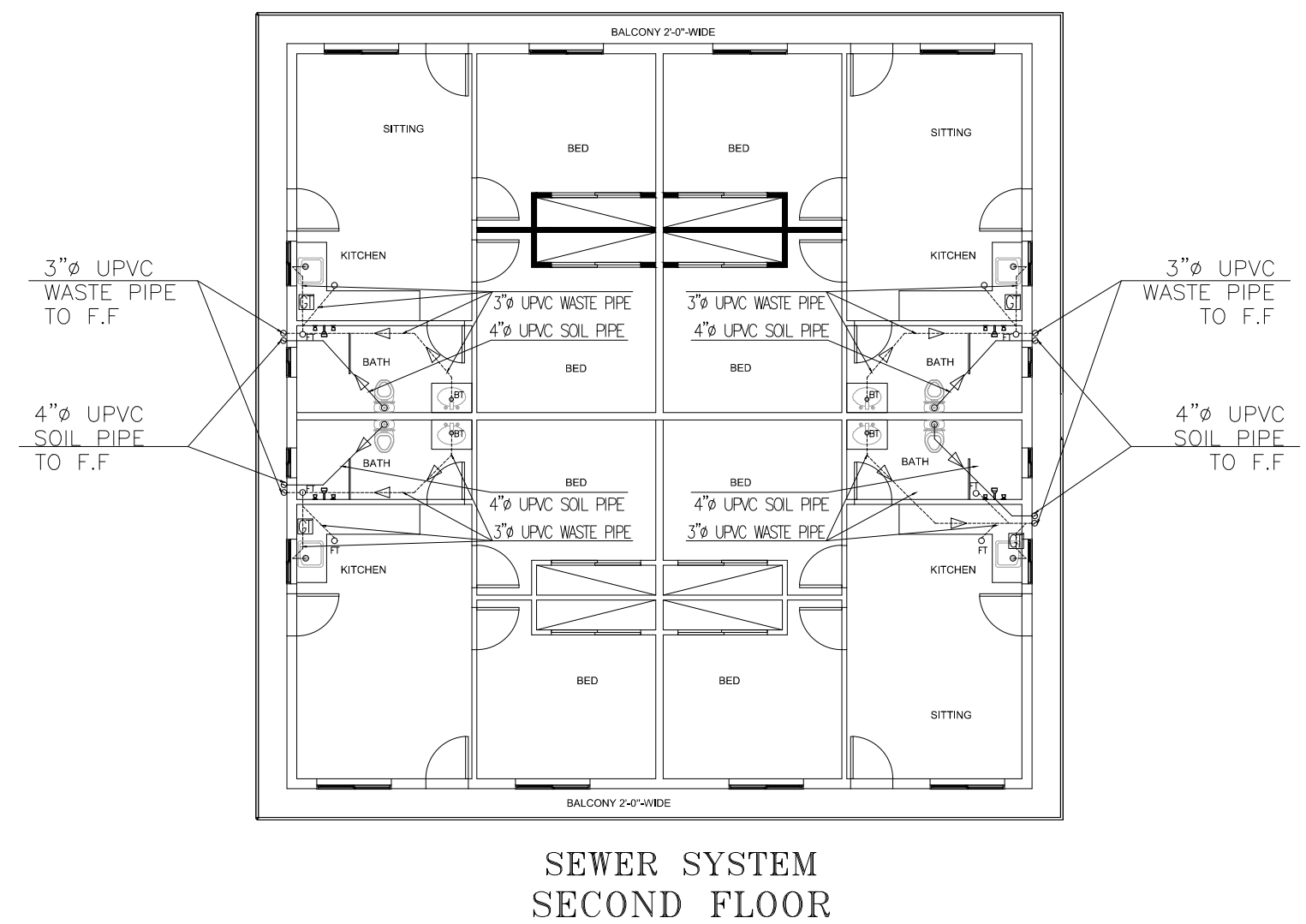
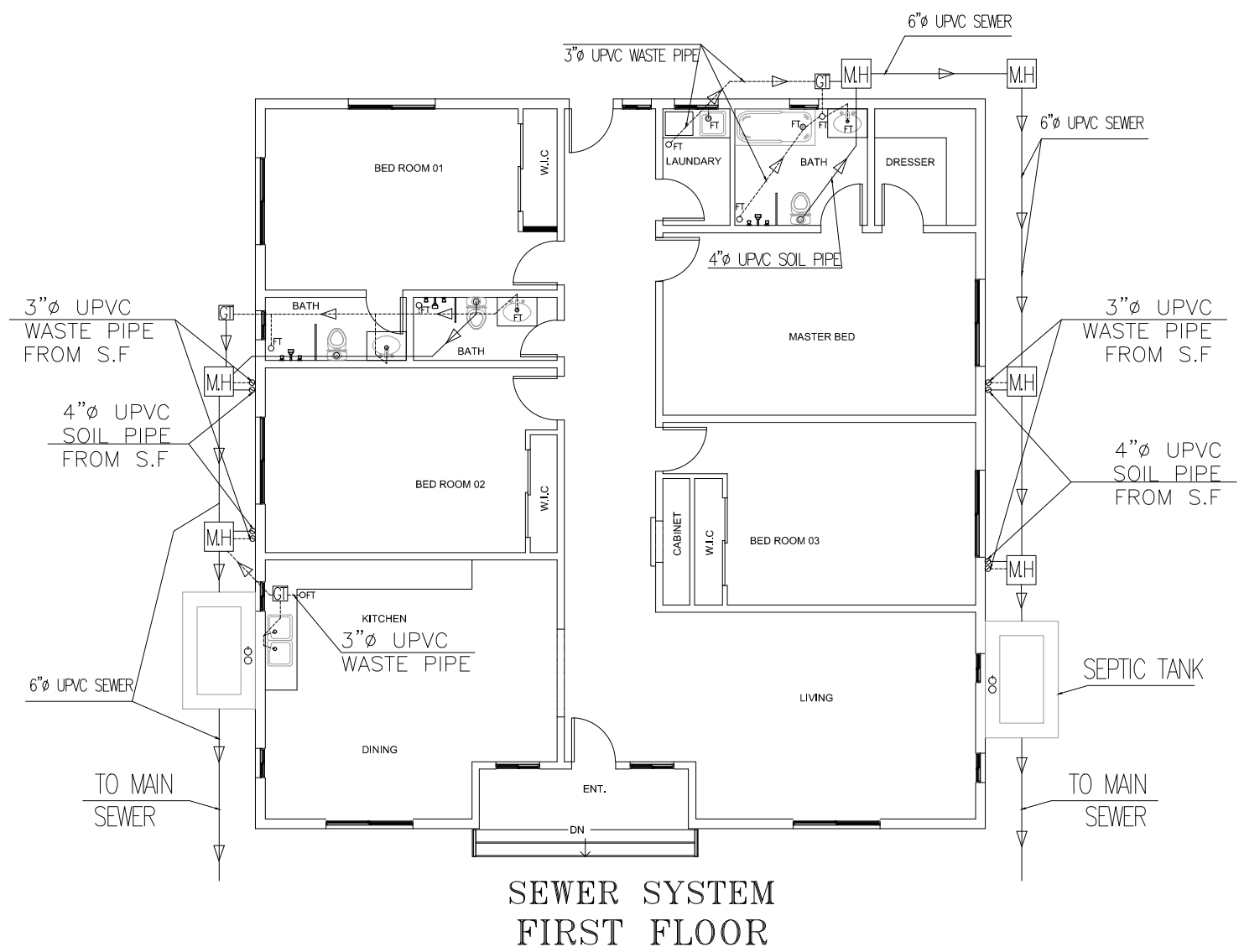


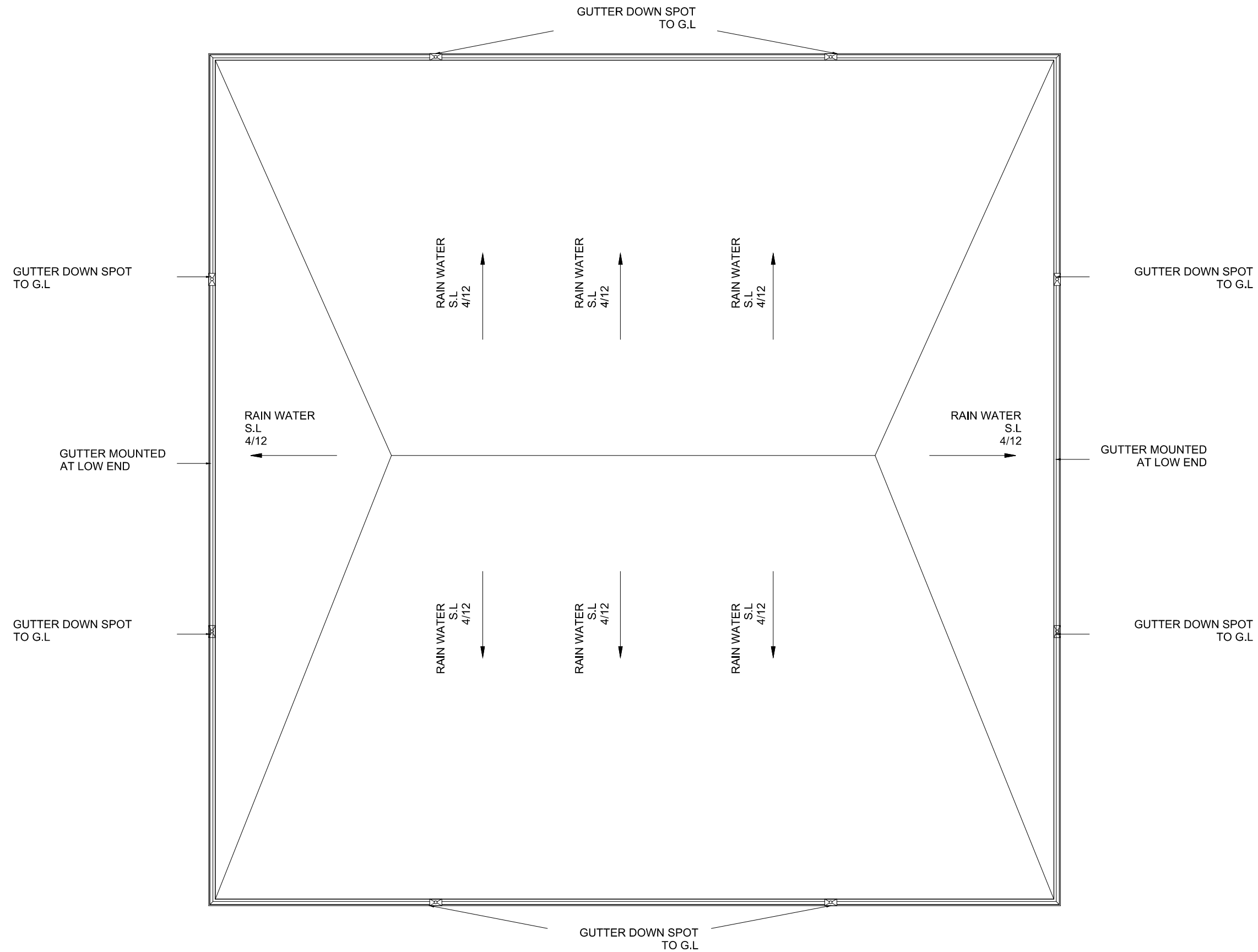
DETAIL OF FLOOR CLEAN OUT PLUG (FCO)
SCALE N.T.S



DETAIL OF WATER CLOSET CONNECTION FOR TOILET UNDER CEILING







RAIN WATER GUTTER SYSTEM