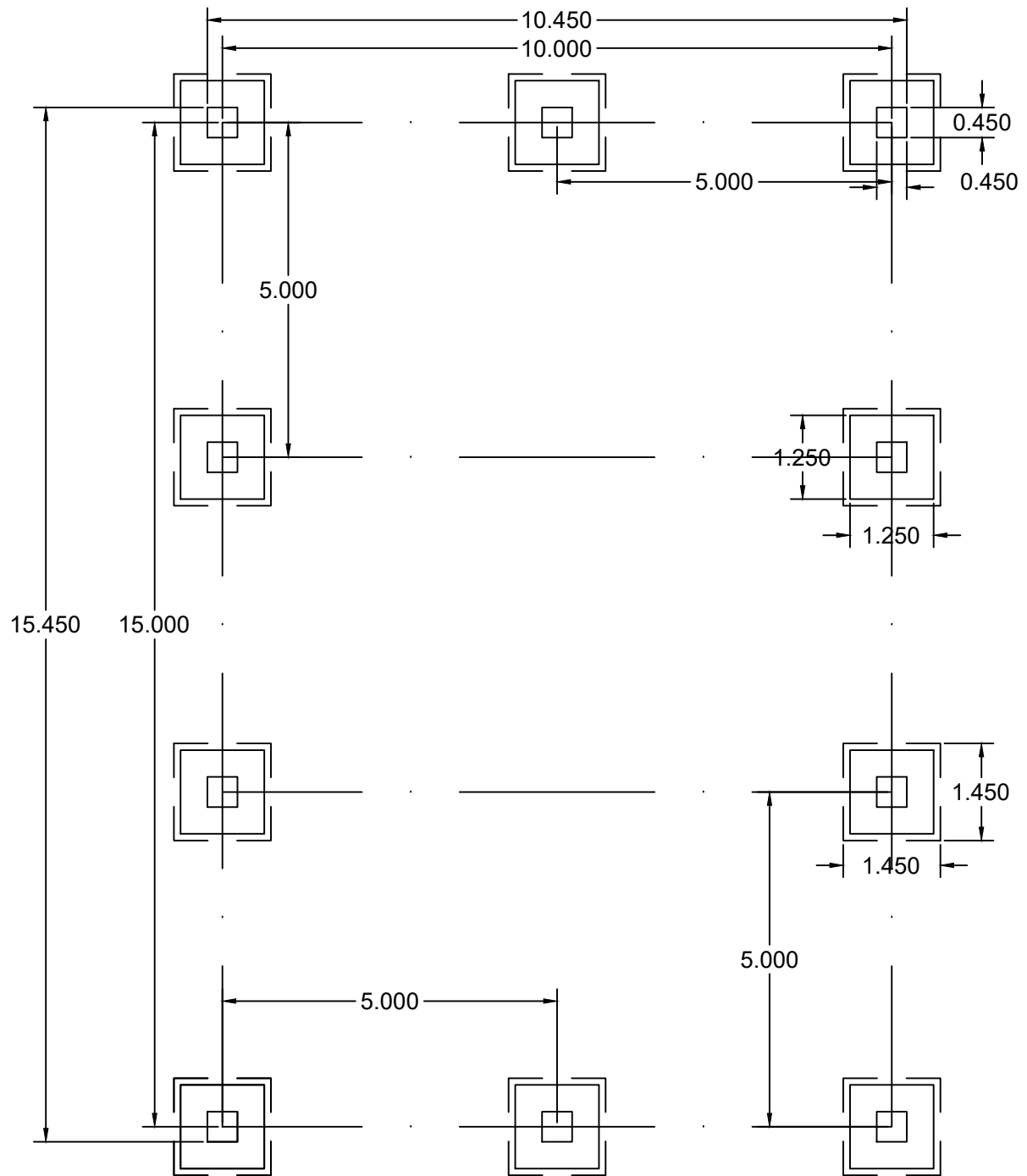
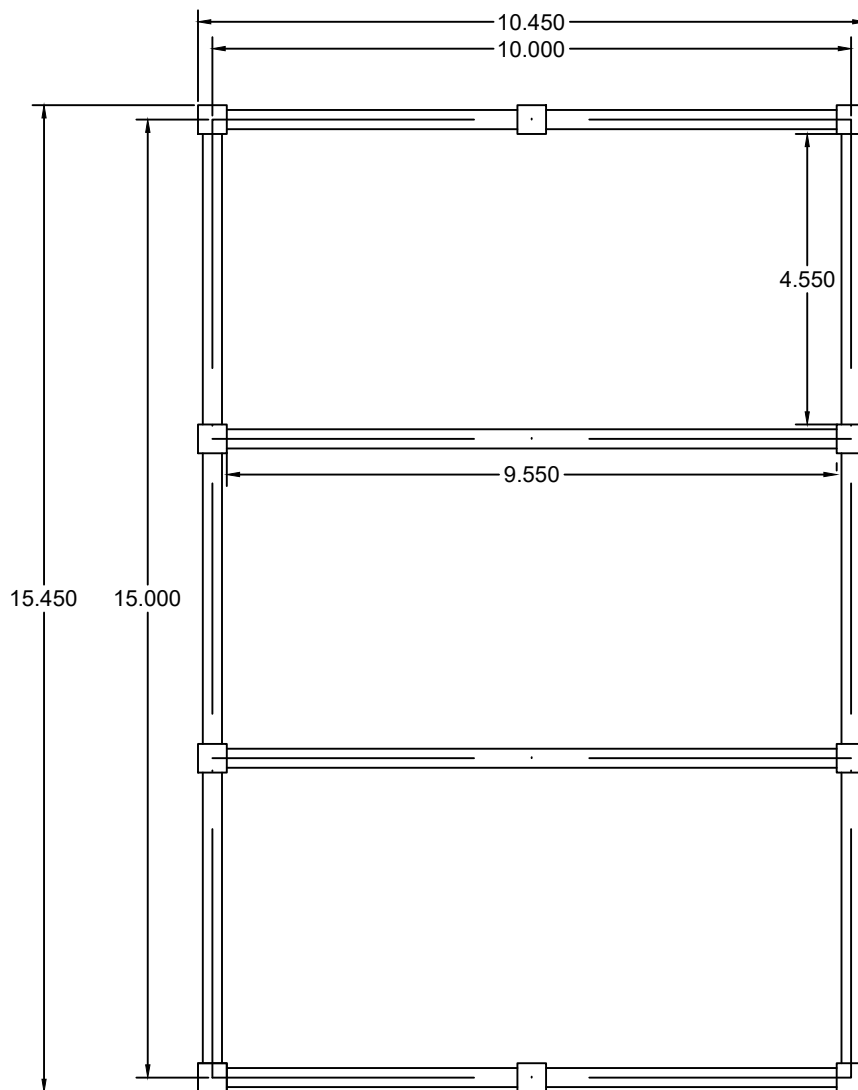
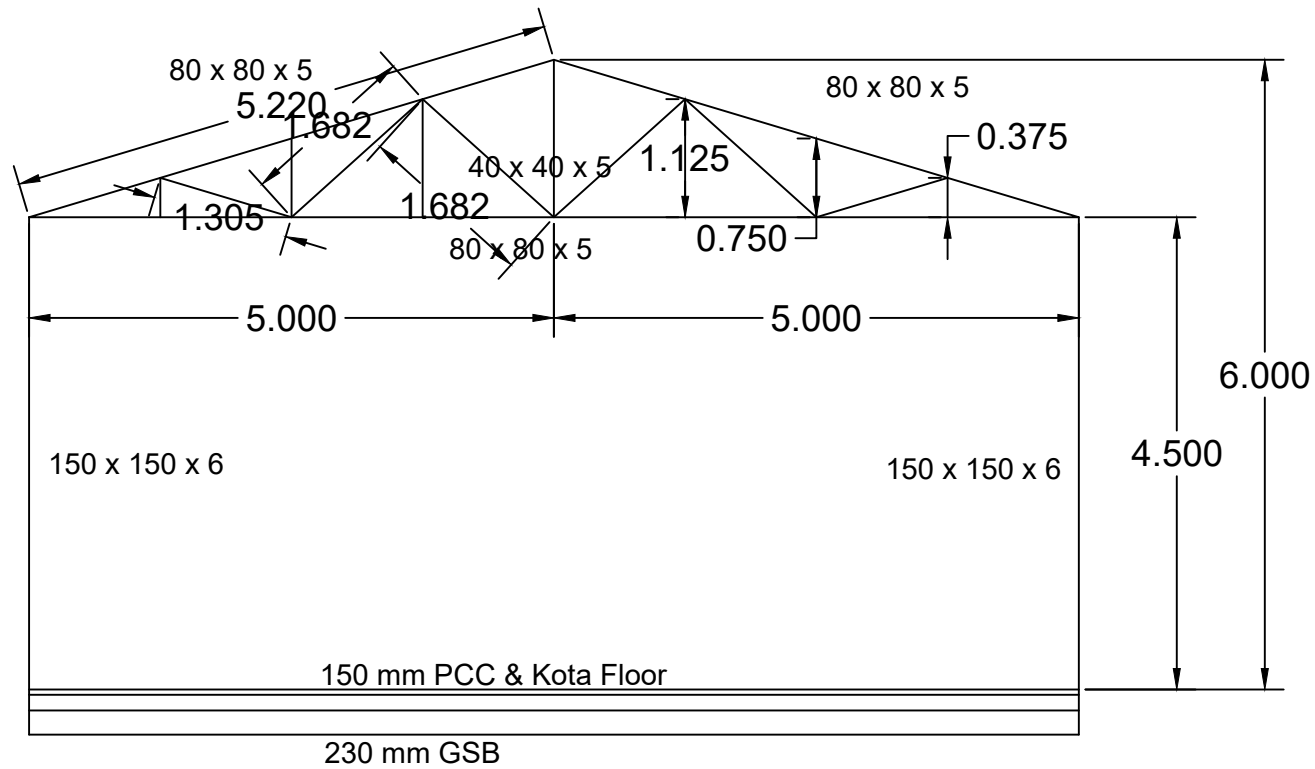
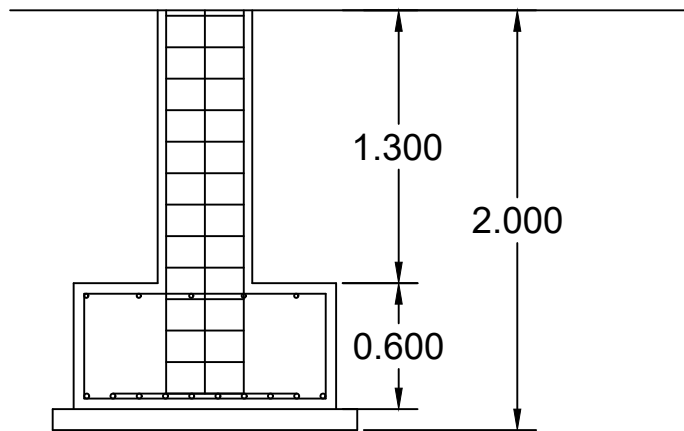
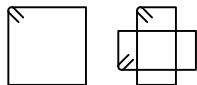
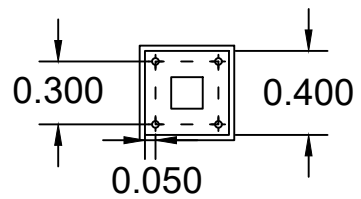


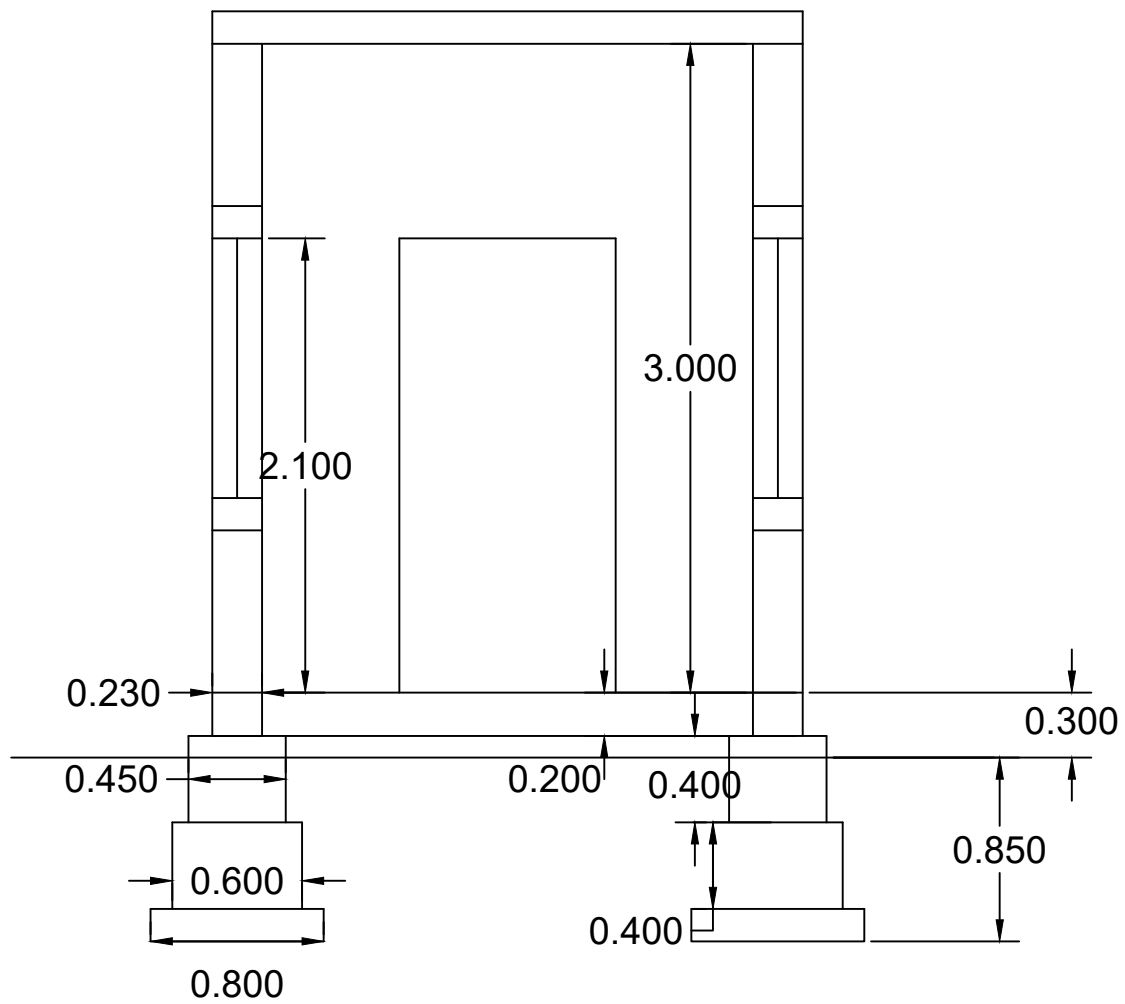
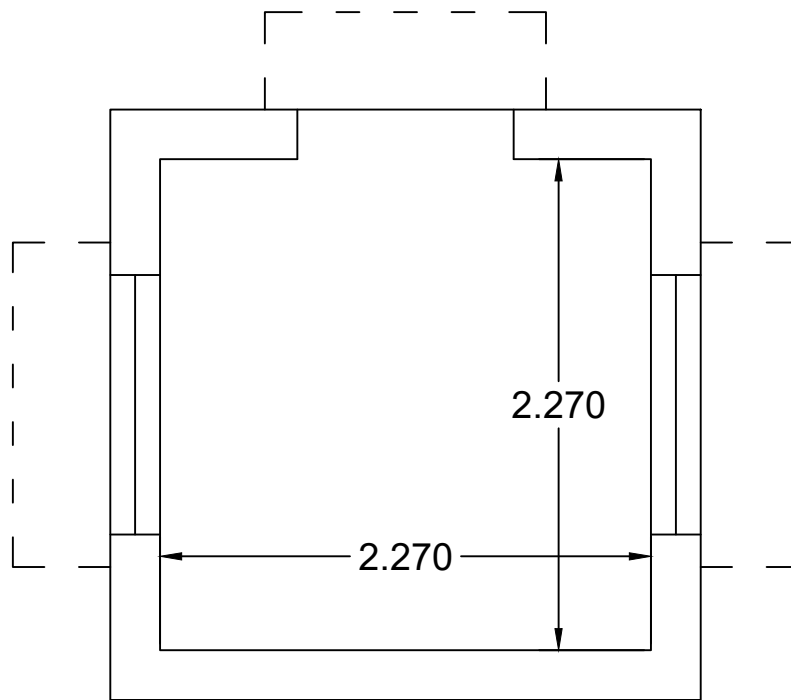


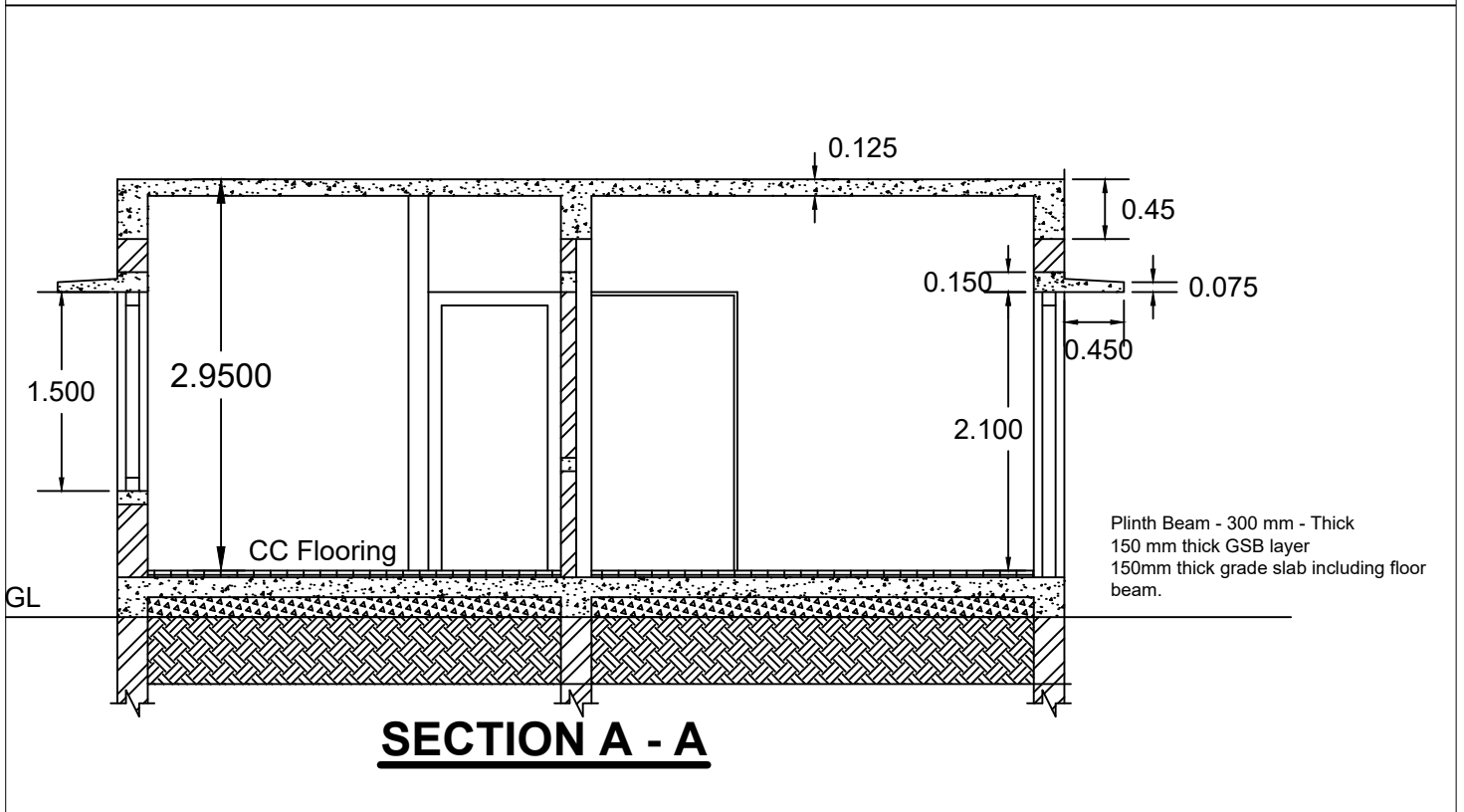
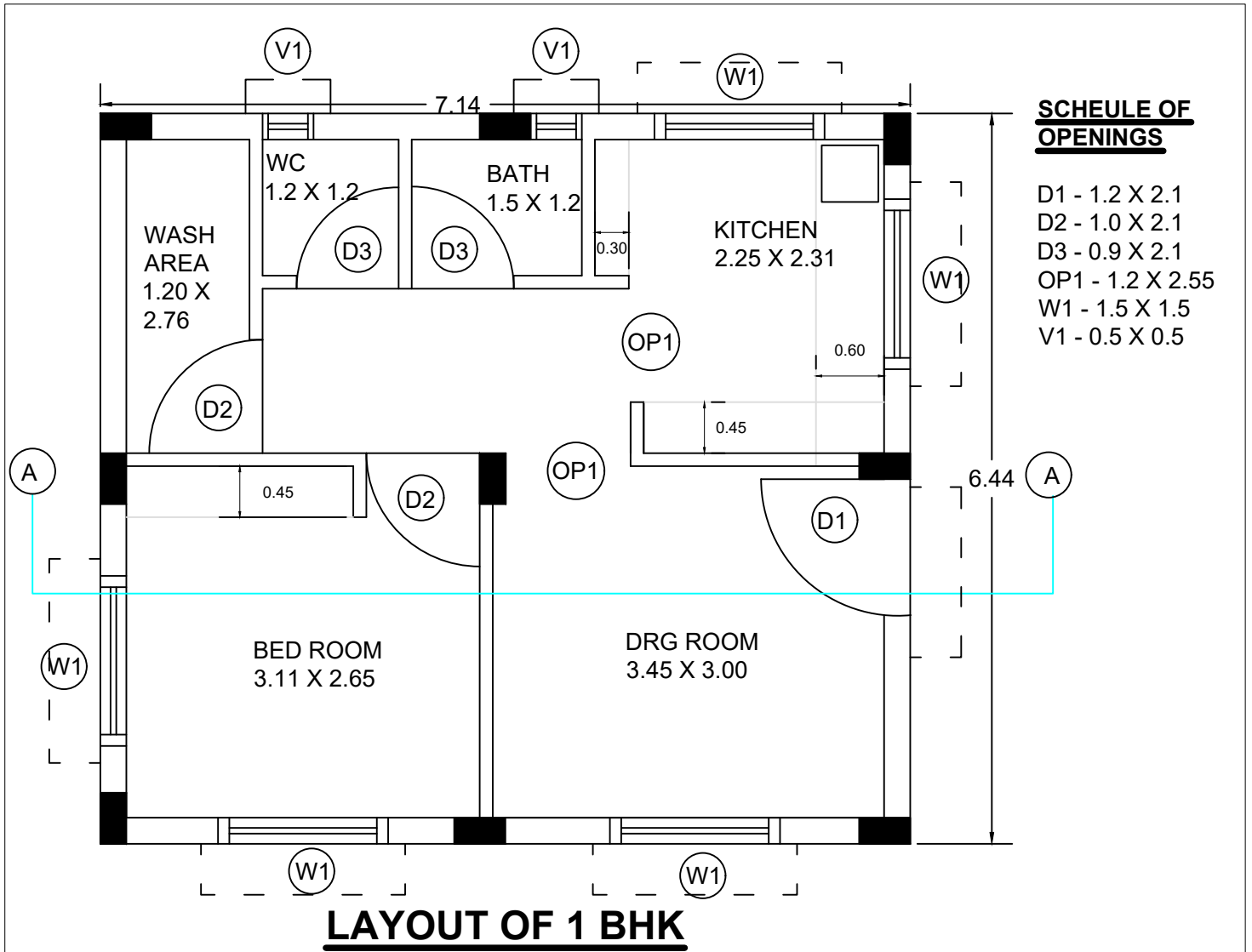
Column Footing Layout

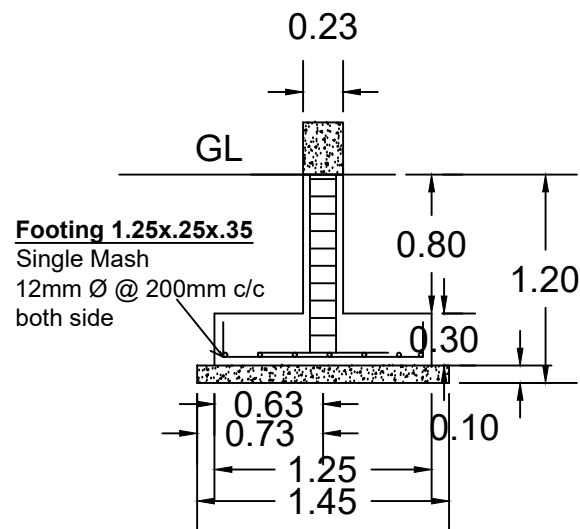


Plinth Beam Layout
Size 300 x 450

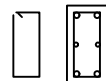






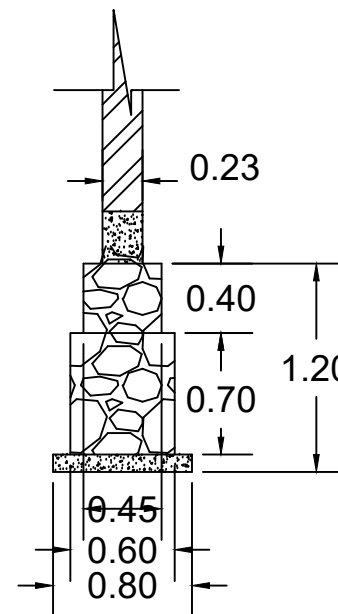


C1 / F1 Column Section

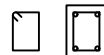


Column 230 x 450

4 - Tor 16mm Ø
2 - Tor 12mm Ø
Stirrups : Tor 8mm Ø @ 75mm c/c upto L/4
remain portion @ 150mm c/c



115 mm wide wall



Plinth Beam 230 x 300

Top + Bottom
4 - Tor 12mm Ø
Stirrups : Tor 8mm Ø @
100mm c/c up to L/4 from
either end of every
support for remain portion
@ 150mm c/c



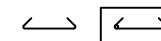
Lintel Beam 230 x 100

4- 10mm Ø
Stirrups : Tor 8mm Ø @ 200mm c



Lintel Beam 115 x 100

2 - 10mm Ø
Stirrups : Tor 8mm Ø @ 200mm



Sill Beam 230 x 100

2 - 10mm Ø
Stirrups : Tor 8mm Ø @ 200mm



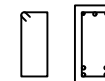
Sill Beam 115 x 100

2 - 10mm Ø
Stirrups : Tor 8mm Ø @ 200mm



Floor Beam 150 x 150

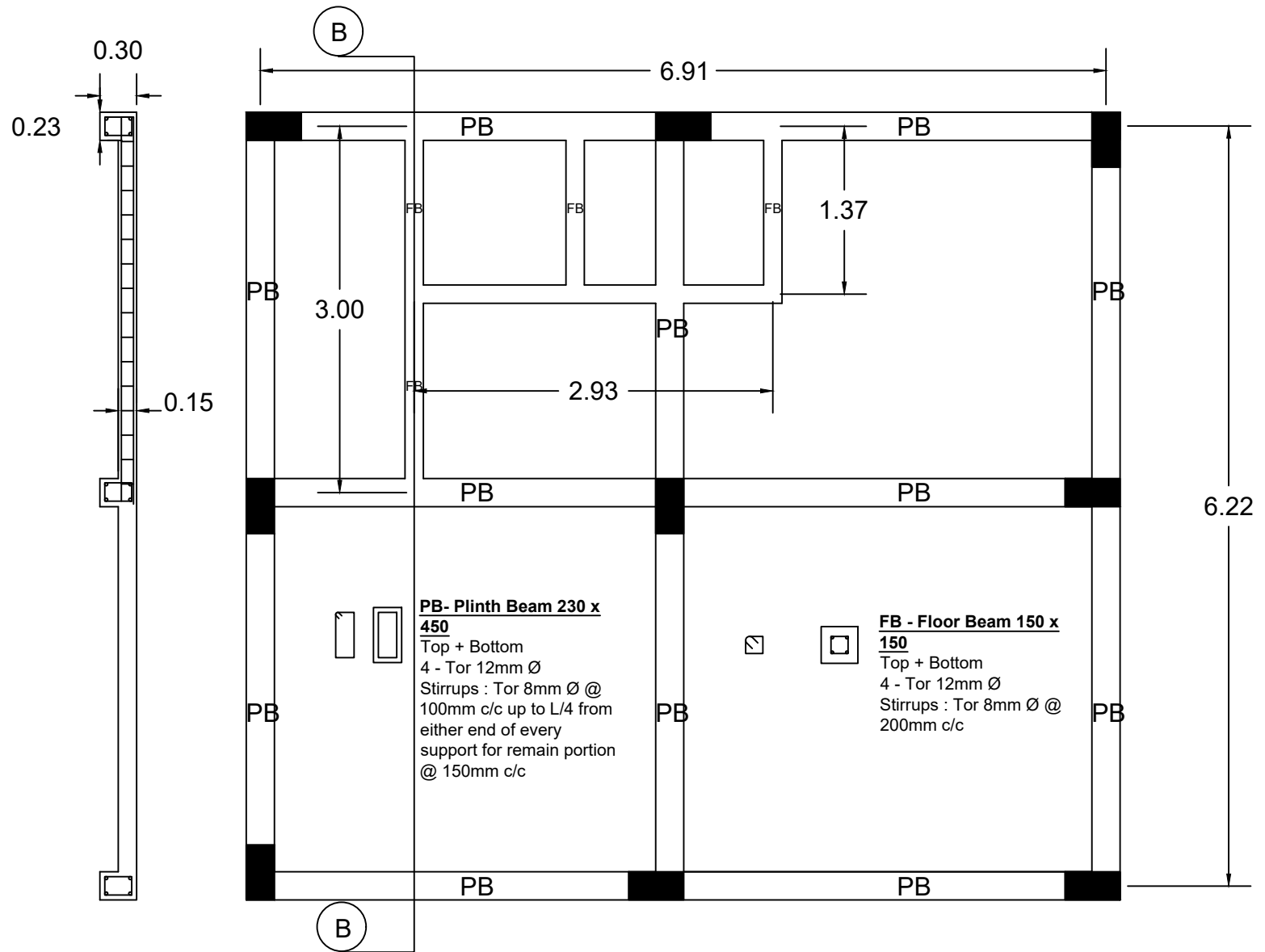
Top + Bottom
4 - Tor 12mm Ø
Stirrups : Tor 8mm Ø @
200mm c/c



Roof Beam 230 x 450

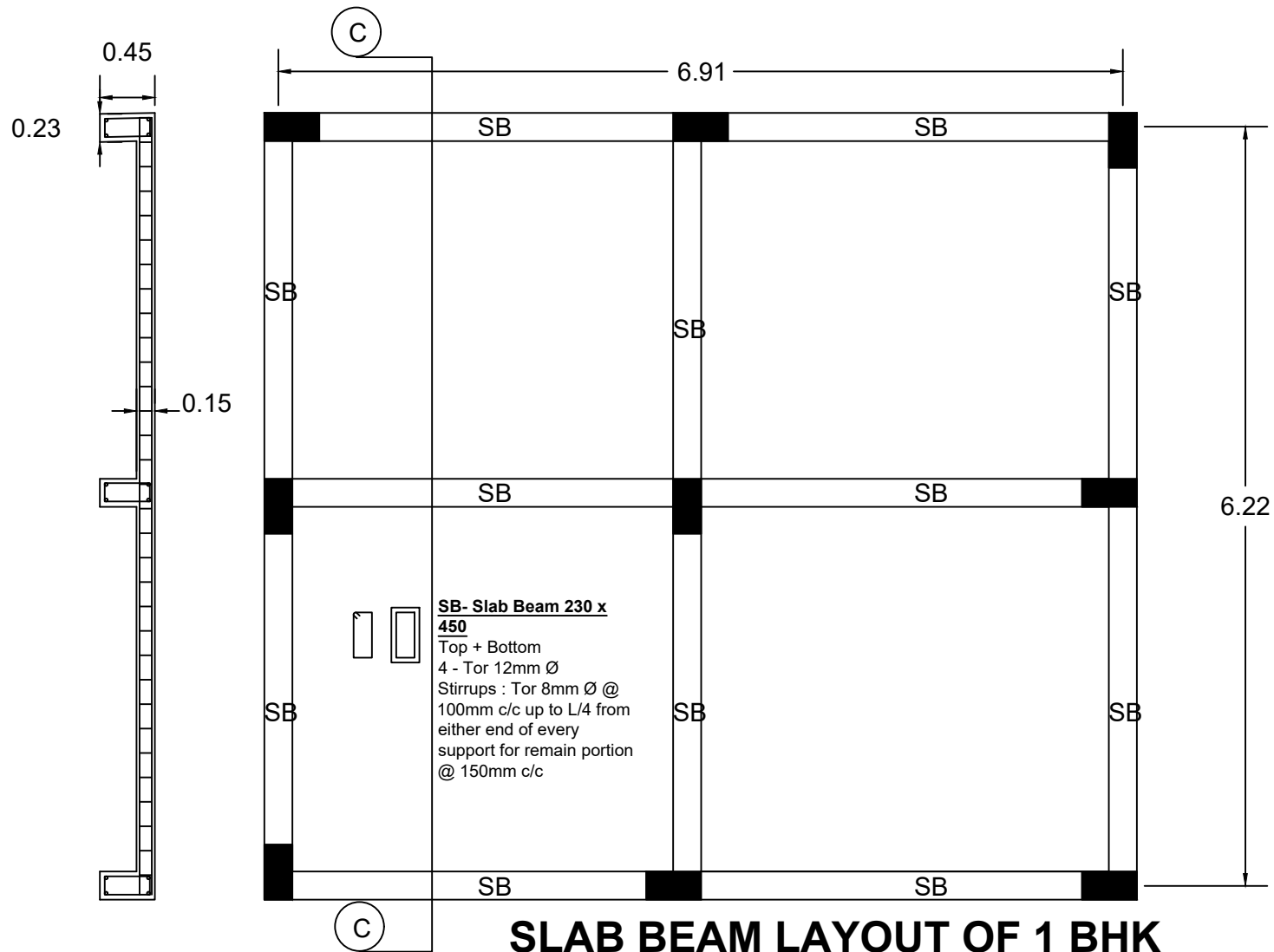
Top
1 - Tor 20 mm Ø
2 - Tor 16 mm Ø
Bottom
4 - Tor 20 mm Ø
Stirrups : Tor 8mm Ø @ 100mm c/c up to
L/4 from either end of every support for
remain portion @ 150mm c/c

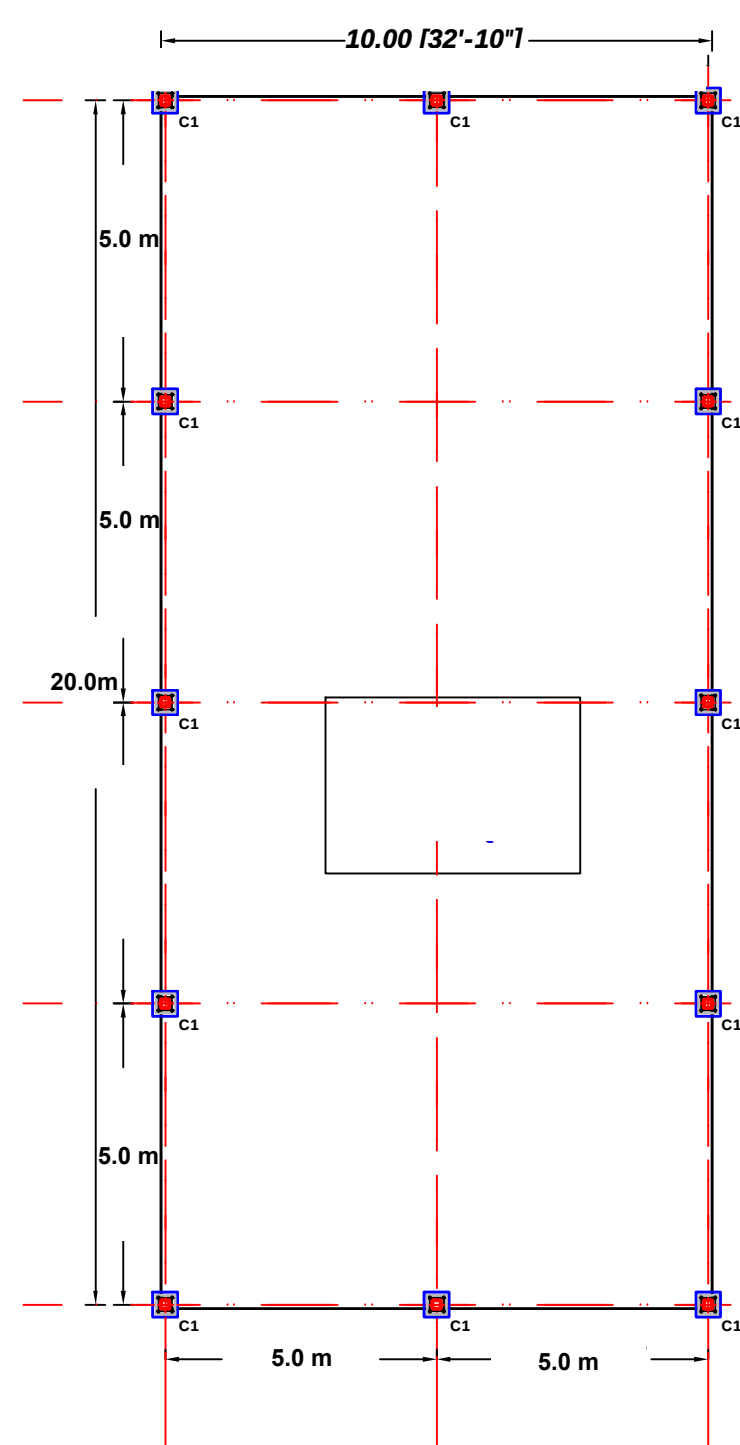
SECTION B-B



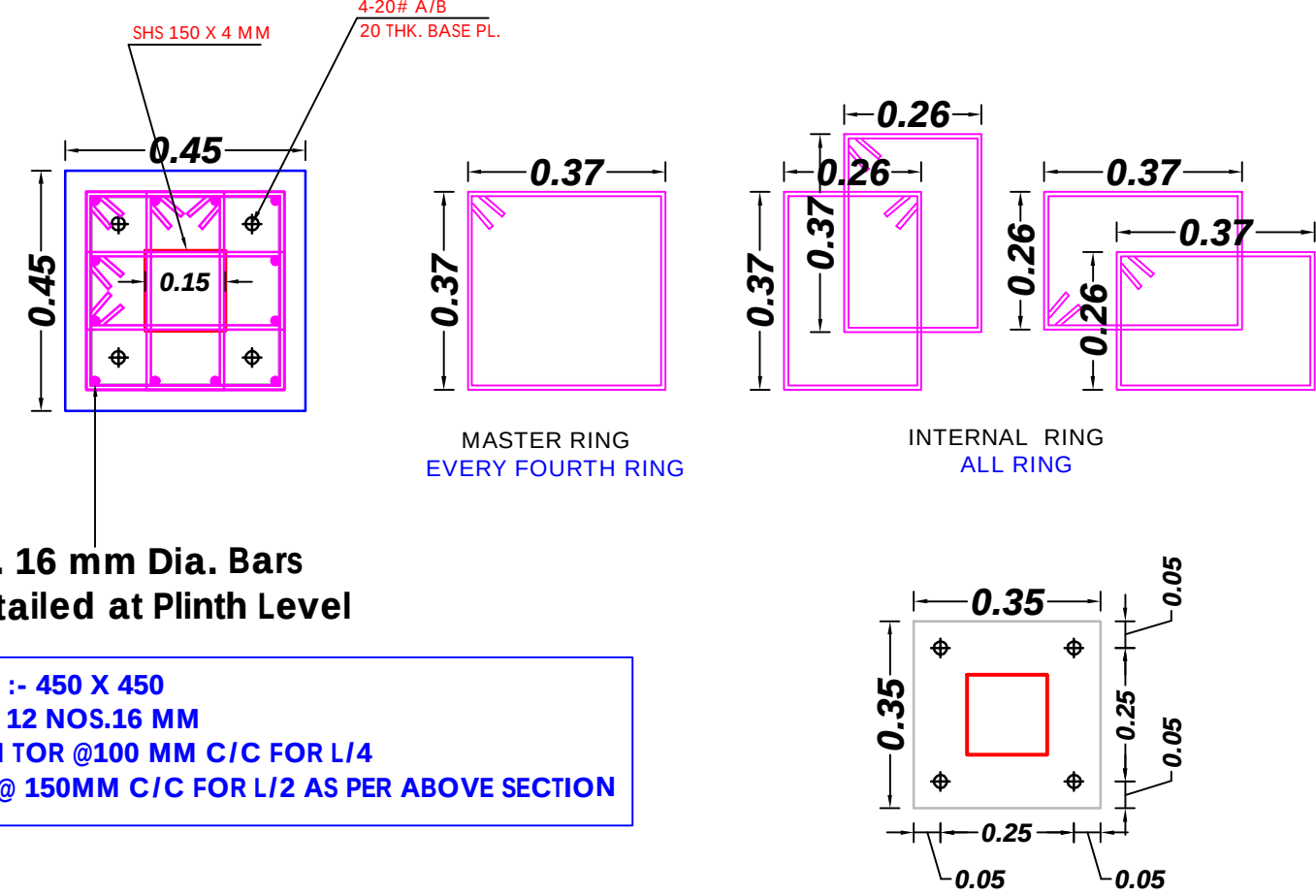
PLINTH BEAM LAYOUT OF 1 BHK

SECTION C-C



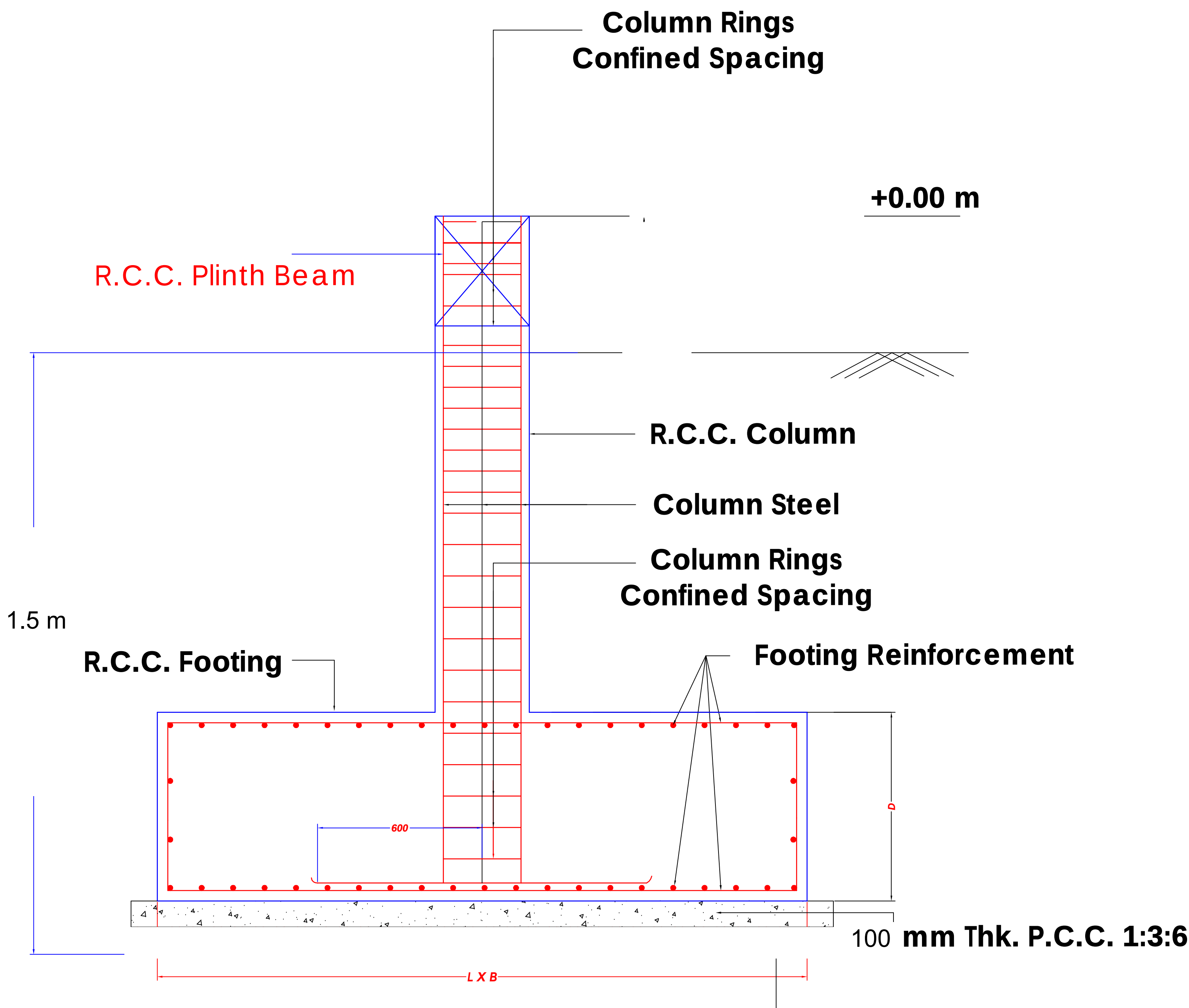


PROPOSED SHED



DETAIL A FOR COLUMN C1
450 X 450

COLUMN SIZE :- SHS 150 X 4MM THK
BASEPLATE SIZE :- 250 X 350
4-200 A/B AND 20 THK. BASE PL.



SCHEDULE OF FOOTINGS- GRADE OF CONCRETE :- M25								
FOOTING TYPE	COL TYPE	EXCAVATION SIZE	PCC SIZE	FOOTING SIZE	DEPTH "D"	BOTTOM MESH	TOP MESH	REMARKS
F1	C1	1.8 x 1.8	1.8 x 1.8	1.5 x 1.5	0.35	12 MM DIA. BARS AT 125 C/C BOTHWAYS	10 MM DIA. BARS AT 250 C/C BOTHWAYS	DOUBLE MESH

ALL GRADE OF CONCRETE M25
ALL GRADE OF STEEL FE 500
AGGREGATE "A "GRADE
SAND "A" GRADE AND SWEET
WATER PORTABLE AND SWEET WATER

THE DESIGN IS FOR PEB STRUCTURE ONLY

THE SUPERVISING ENGINEER HAS TO MAINTAIN THE DESIGN WHILE EXECUTION OF WORKS

COLUMN BEAM JUNCTIONS SHOULD BE PROPERLY CHECKED FOR RINGS AT JUNCTION

ALL STEEL BARS AT VERTICAL AND HORIZONTAL JOINTS WILL BE TIED PROPERLY BY BINDING WIRE

M25 GRADE OF CONCRETE IS TO BE MAINTAINED AND PROPER VIBRATION OF RCC STRUCTURES USING MECHANICAL VIBRATOR.

GOOD QUALITY OF WORKS TO BE MAINTAINED STRICTLY BY CONTRACTOR AND SITE ENGINEER

THE SBC REPORT RECIEVED IS 15T/SMT AND THE DESIGN IS BASED ON THE DATA.

ANY DISCREPANCY TO BE REPORTED TO RAJESH T PANJWANI IMMEDIATLY BEFORE EXECUTION

WATER QUALITY FOR CONCRETE MIX :

=> USE ONLY POTABLE WATER.

=> NEVER USE BORING WATER (SALTY WATER) HAVING FOLLOWING CONTENTS BEYOND THEIR MAX. PERMISSIBLE UNITS (IS 456-2000)

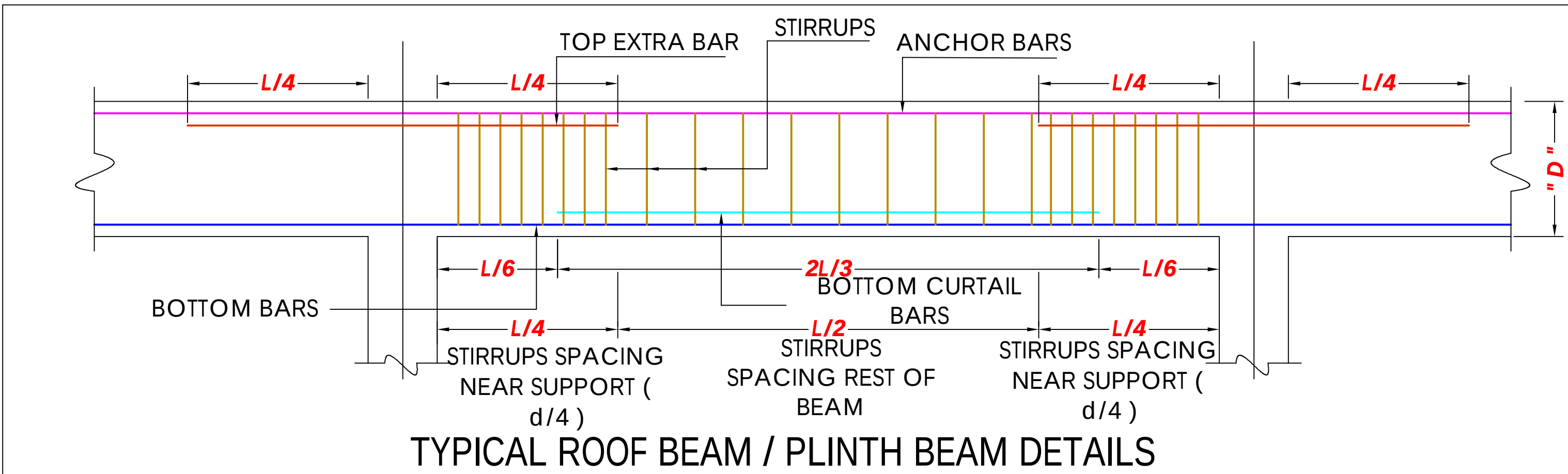
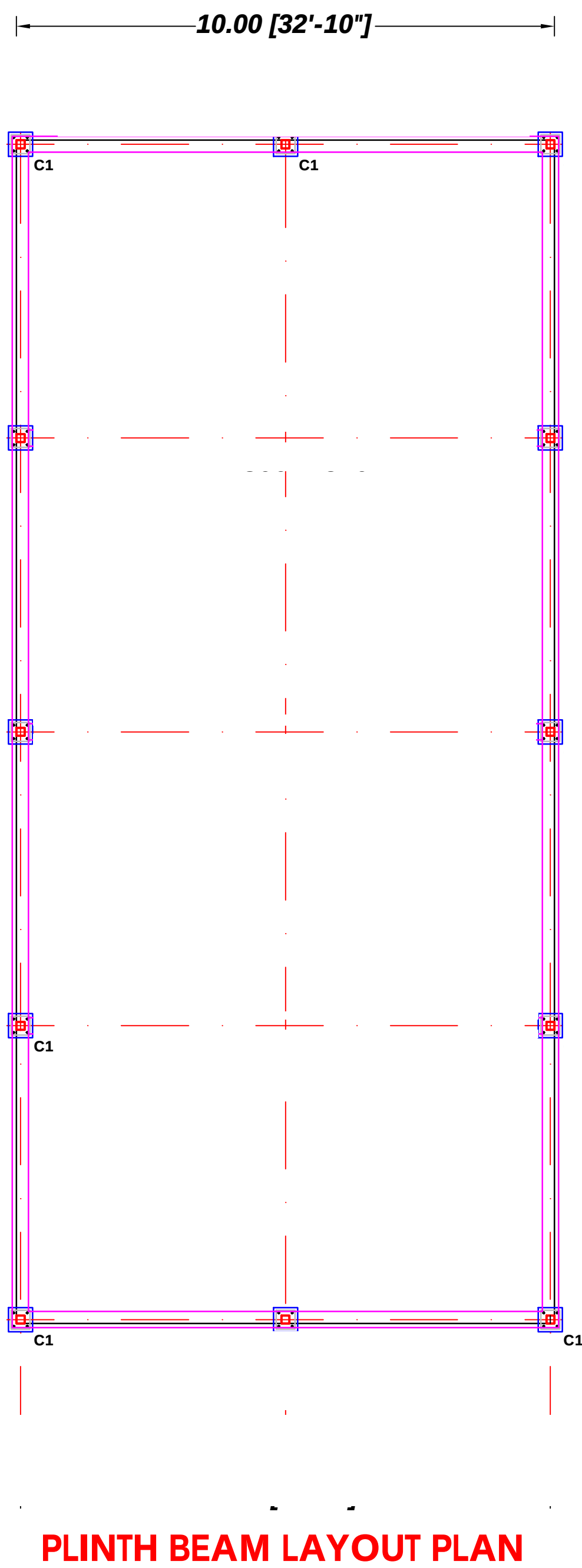
SOLIDS	PERMISSIBLE UNITS
1) ORGANIC	200 mg/lit
2) INORGANIC	3000 mg/lit
3) SULPHATES (SO3)	400 mg/lit
4) CHLORIDES (CL)	500 mg/lit
5) SUSPENDE MATTER	2000 mg/lit

NORMAL COVERS :-

- (A) CLEAR COVER FOR FOOTINGS SHALL BE 75 mm.
- (B) CLEAR COVER FOR COLUMNS SHALL NOT BE LESS THAN 40 mm AND DIAMETER OF BAR WHICH EVER IS MORE.
- (C) CLEAR COVER FOR BEAM NOT LESS THEN 30 mm NOT LESS THAN DIAMETER OF BAR FOR LONGITUDINAL REINFORCEMENT.
- (D) CLEAR COVER OF BARS NOT LESS 30 mm NOR LESS THAN TWICE THE DIAMETER OF SUCH BAR AT EACH END.
- (E) CLEAR COVER FOR SLAB NOT LESS 30 mm NOR LESS THAN DIA. OF SUCH BAR.

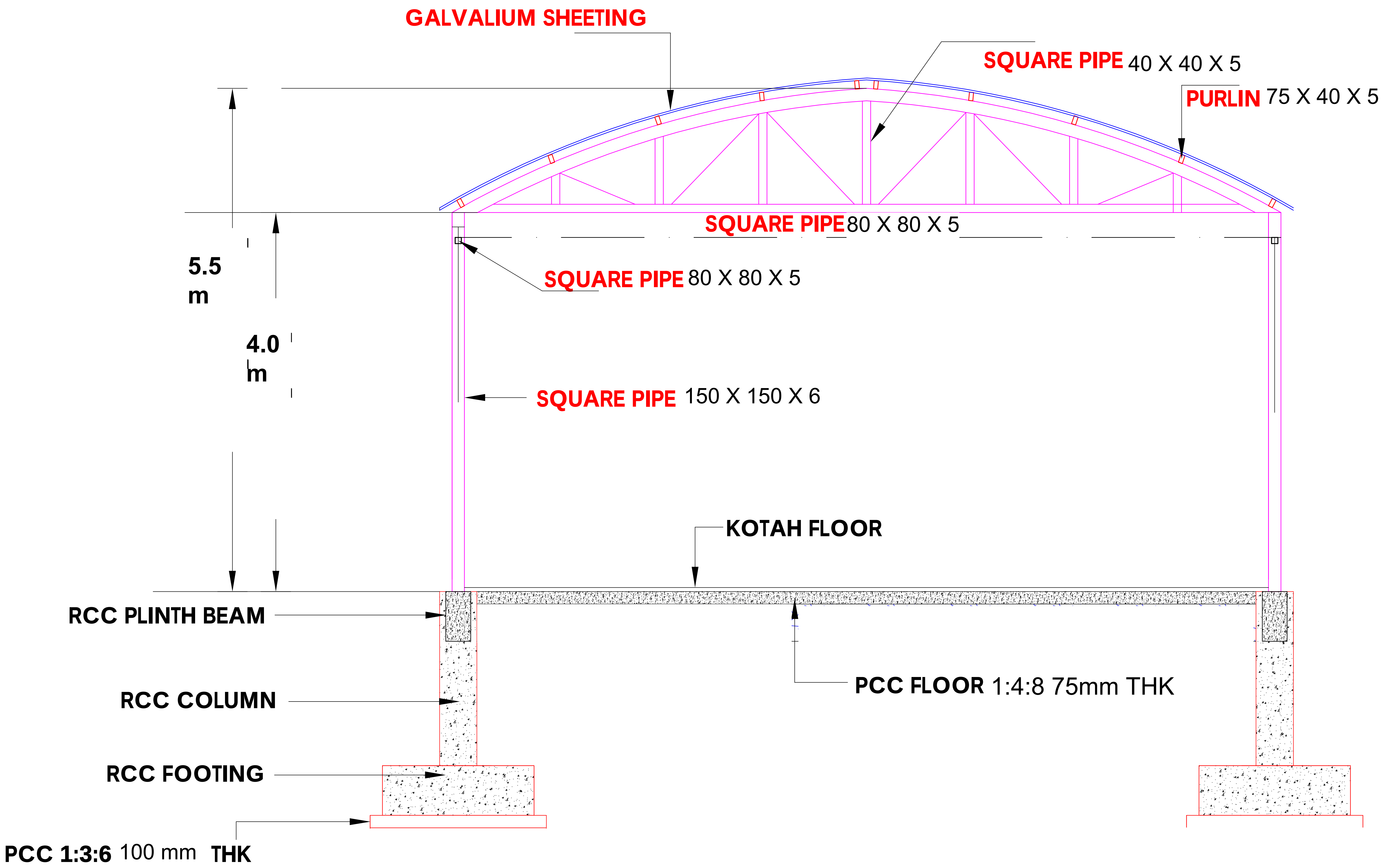
NORMAL COVERS :-

- (A) THE REINFORCEMENT SHALL BE **H.Y.S.D.** & CONFORMING TO IS 1786 - 1983 WITH YIELD STRESS NOT LESS THAN 415 N/mm2.
- (B) ALL R.C.C. WORK CONCRETE MIX SHALL BE **M 25** AS PER IS 456 - 2000 (WITH LATEST AMENDMENTS) UNLESS OTHERWISE SPECIFIED.
- (C) MORTAR FOR R.R. MASONRY WORK (FOR LOAD BEARING STRUCTURE FOUNDATION) 1:4
- (D) MORTAR FOR BRICK SOLID BLOCK MASONRY WORK 1:3.
- (E) MORTAR FOR PLASTERING PF INTERNAL AND EXTERNAL WALL 1:4.
- (F) WALL BURNT BRICK AND SOLID C.C. BLOCK HANING MINIMUM COMPRESIVE STRENGTH100 kg/cm2 RESPECTIVELY SHAL BE USED.



SCHEDULE FOR PLINTH BEAM

SIZE	BOTTOM BAR	TOP BAR	SECTION	STIRRUPS
PB 300 x 450	3 # 16 mm tor	3 # 16 mm tor + 2 # 16 mm tor Extra		8 MM TOR @ 100 MM C/C FOR L/4 AND 8MM Ø @ 150 MM C.C FOR REST OF SPAN



SECTION

5'5"