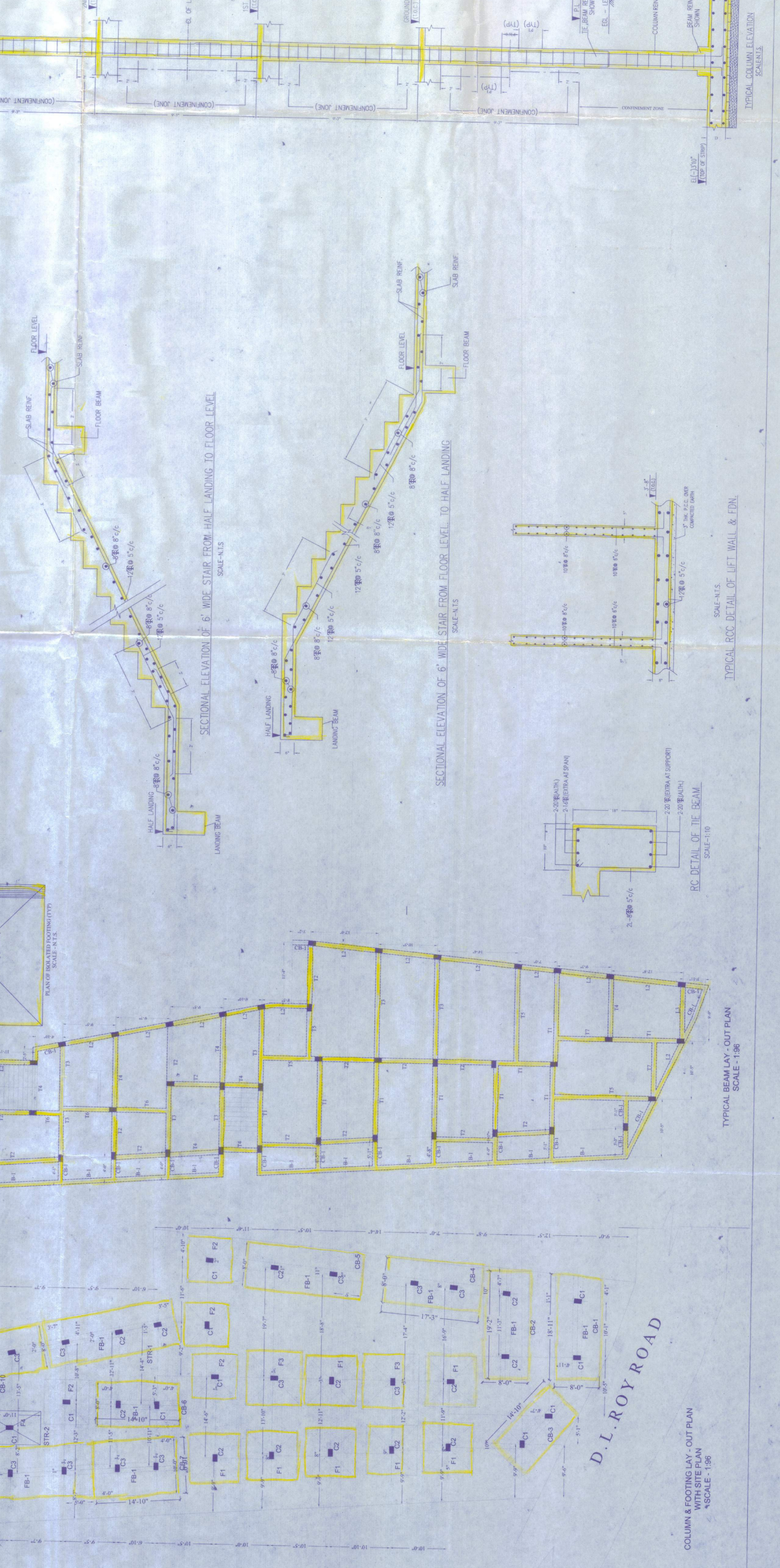
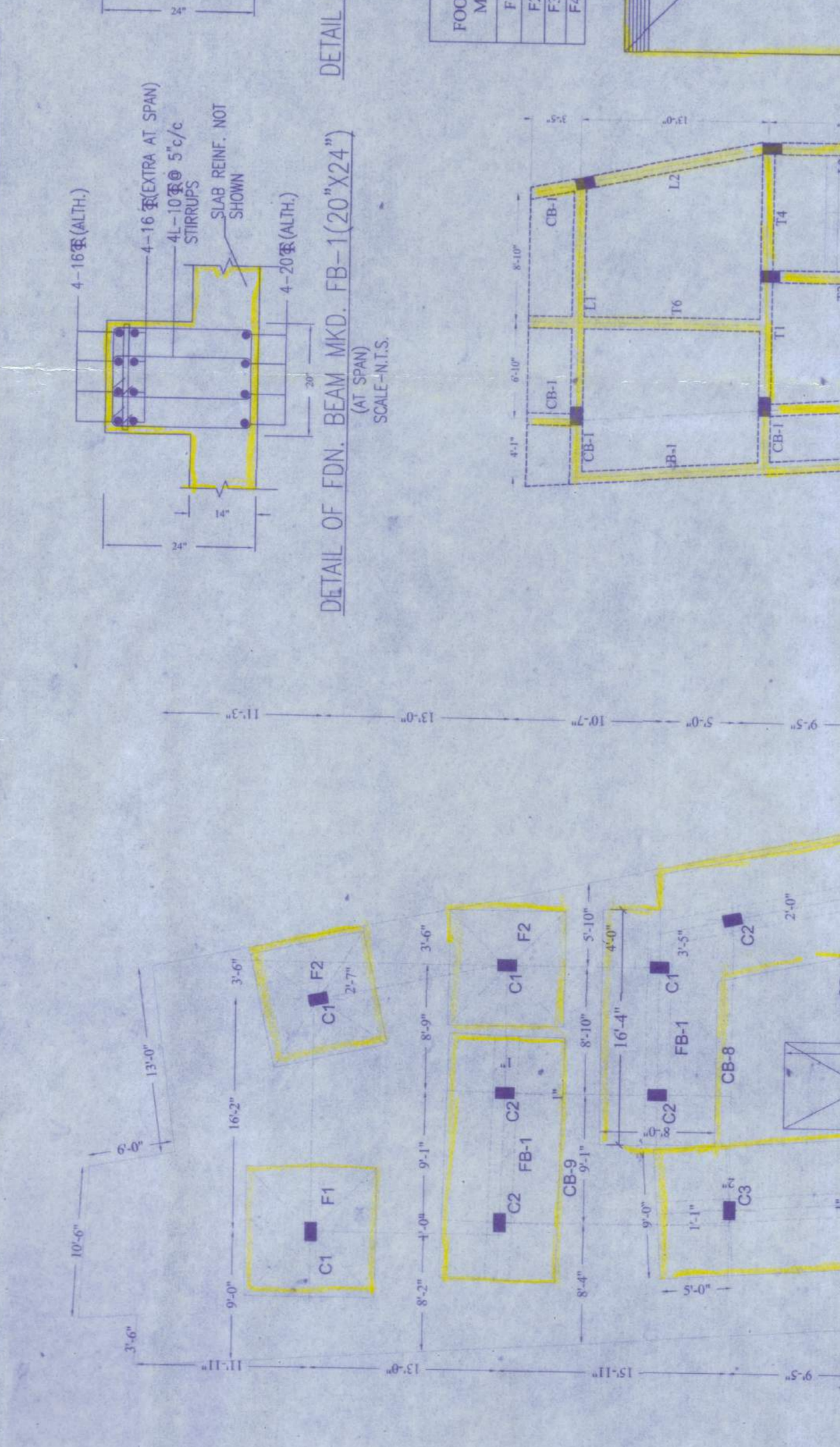
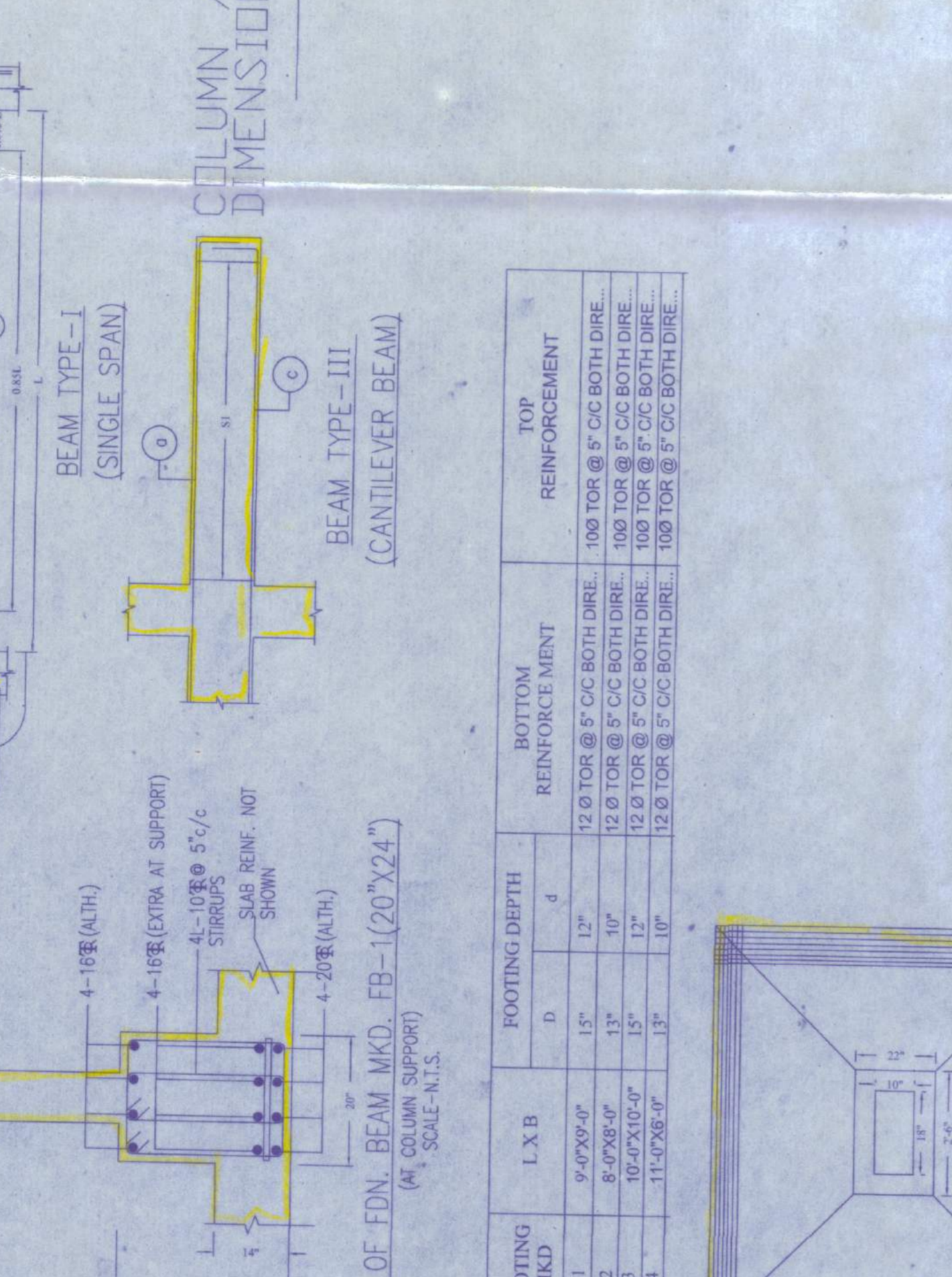
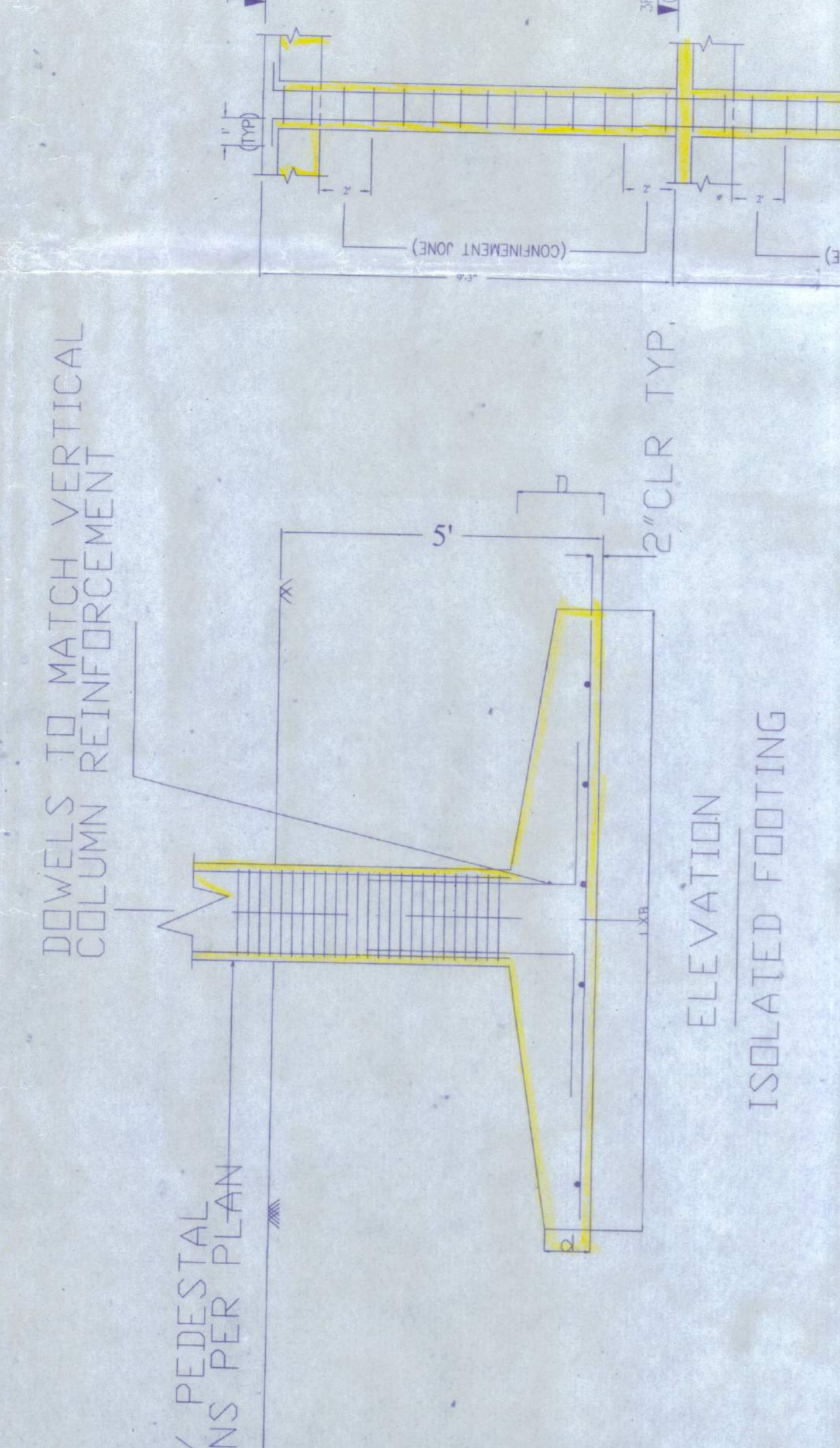
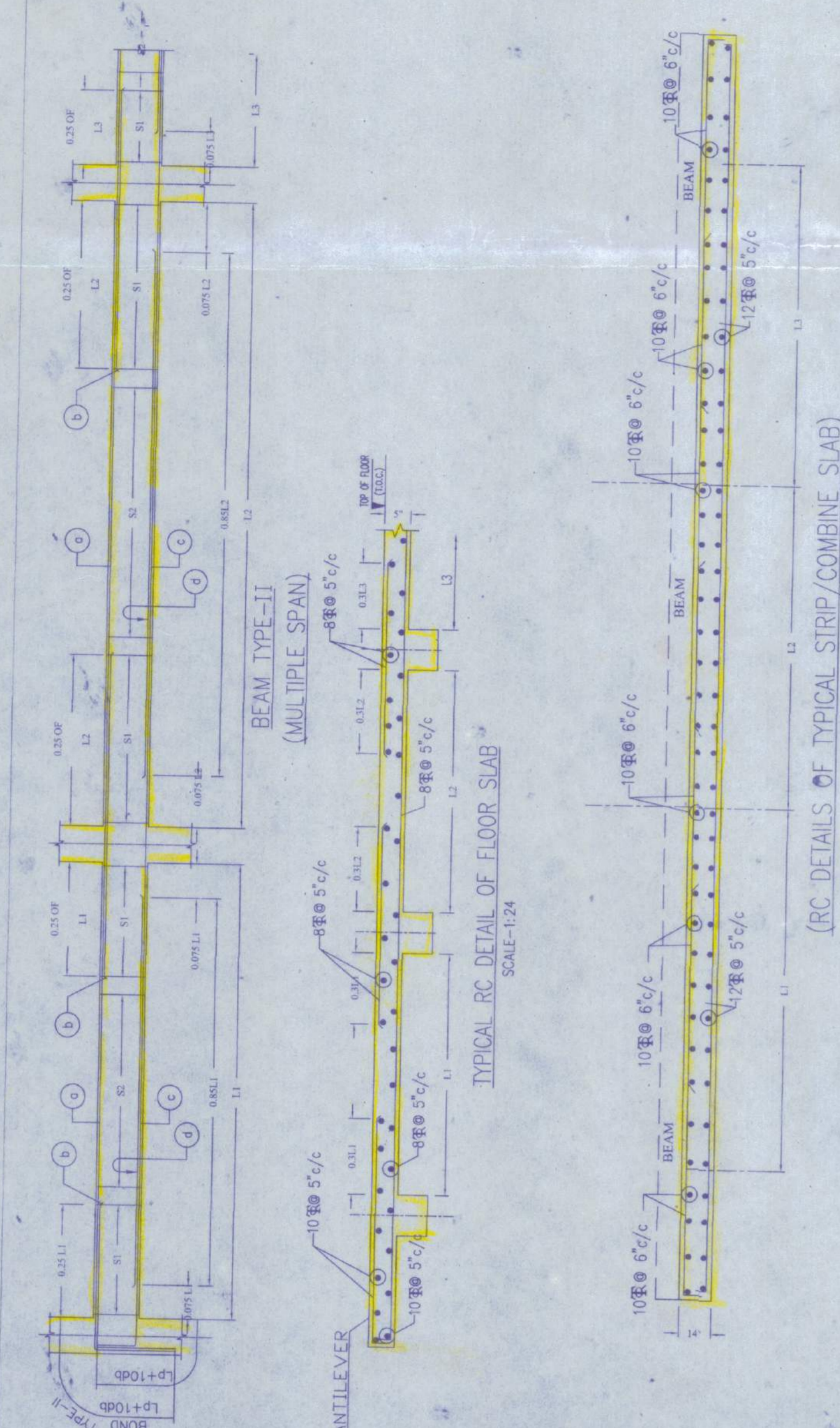


**SCHEDULE OF COLUMNS**

LEVEL	REINFORCEMENT	LINK	REINFORCEMENT	LINK
2ND FLOOR TO ROOF	12-12 3 $\phi$ 8 (CONCENTRIC JOINT) 3 $\phi$ 8 (REST PORTION) (Show/SET)	10-16 3 $\phi$ 8 (CONCENTRIC JOINT) 3 $\phi$ 8 (REST PORTION) (Show/SET)	12-16 3 $\phi$ 8 (CONCENTRIC JOINT) 3 $\phi$ 8 (REST PORTION) (Show/SET)	C1
FOUNDATION TO 2ND FLOOR	12-16 3 $\phi$ 8 (CONCENTRIC JOINT) 3 $\phi$ 8 (REST PORTION) (Show/SET)	10-20 3 $\phi$ 8 (CONCENTRIC JOINT) 3 $\phi$ 8 (REST PORTION) (Show/SET)	12-20 3 $\phi$ 8 (CONCENTRIC JOINT) 3 $\phi$ 8 (REST PORTION) (Show/SET)	C2

**SCHEDULE OF FLOOR BEAMS**

BEAM M.D.	TYPE	WIDTH	DEPTH	REINFORCEMENTS	STIRRUPS	SCREENS	REMARKS
B1	I	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B2	II	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B3	III	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B4	IV	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B5	V	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B6	VI	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B7	VII	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B8	VIII	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B9	IX	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B10	X	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B11	XI	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B12	XII	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B13	XIII	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B14	XIV	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B15	XV	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B16	XVI	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B17	XVII	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B18	XVIII	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B19	XIX	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"
B20	XX	10"	16"	3-20 3 $\phi$ 8	2-8 3 $\phi$ 8 @ 4"	S2	2-8 3 $\phi$ 8 @ 4"



**NOTES:-**

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ARCHITECTURAL DRAWING. TERMS AND CONDITIONS, SPECIFICATIONS AND SCHEDULE OF ITEMS.
- ALL DIMENSIONS ARE IN F.F.S & LEVEL ARE IN FOOT UNLESS NOTED OTHERWISE.
- ALL REINFORCING STEEL SHALL BE HIGH YIELD STRENGTH DEFORMED BARS MARKED  $\phi$  CONFORMING TO IS: 1786 (F<sub>y</sub> = 500)
- GRADE OF CONCRETE SHALL BE M20
- ALL HOOKS, BENDS AND LAPS IN REINFORCEMENT SHALL CONFORM TO IS: 2502 (LATEST REVISION) UNLESS NOTED OTHERWISE.
- PLAIN CEMENT CONCRETE (PCC) UNDER FOUNDATION SHALL BE OF GRADE M10 UNLESS NOTED OTHERWISE.
- REINFORCEMENT SHALL SUITABLY BE ADJUSTED AT SITE IF REQUIRED TO MAKE CLEAR SPACE FOR POCKETS, ANCHORS BOLTS ETC.
- MINIMUM LAP LENGTH SHALL BE 500MM OF BAR UNLESS NOTED OTHERWISE. LAPS SHALL BE STAGGERED AS FAR AS POSSIBLE. MINIMUM DISTANCE BETWEEN TWO STAGGERED LAP SHALL BE 0.3X DEVELOPMENT LENGTH. NOT MORE THAN ONE LAP SHALL BE LAPPED AT A SINGLE LOCATION. STIRRUPS SPACING SHALL BE 6 $\phi$  AT A LOCATION WHERE LONGITUDINAL BARS ARE LAPPED.
- SOIL USED FOR BACKFILLING TO BE FREE FROM BLACK COTTON SOIL, ROOTS, VEGETATION ETC.
- FDN. TO REST ON VIRGIN SOIL. IF EXCESS EXCAVATION IS OBSERVED/ ENCOUNTERED AT SITE, THE SAME TO BE FILLED UP BY PCC TO THE DESIRED LEVEL.
- THE FOUNDATION HAVE BEEN DESIGNED CONSIDERING 'MASEC' AS PER GEOTECHNICAL INVESTIGATION REPORT.
- WHERE A SECONDARY OR TERTIARY BEAM IS RESTING ON ANOTHER BEAM, EXTRA 2 NOS SETS OF SIP OF 12 DIA. BAR TO BE PROVIDED ON EACH SIDE.
- NOMINAL COVER TO REINFORCEMENT SHALL BE AS FOLLOWS UNLESS STATED OTHERWISE :-

SUBSTRUCTURE WORKS	TOP SIDES (mm)	BOTTOM SIDES (mm)
i) COLUMNS, TIE BEAM	40	40
ii) FOUNDATION	50	50
SUPERSTRUCTURE WORKS		
i) COLUMNS	40	40
ii) BEAMS	30	30
iii) SLABS (FLOOR)	20	20
iv) LINTEL, CHAJJA, BANDS etc.	20	20

14. THIS DRAWING SHALL BE READ ALONG WITH RELEVANT ARCHITECTURAL & STRUCTURAL DRAWINGS.

15. WHEREVER BRICK WALL ON FLOOR SLAB IS NOT ABOVE BEAM EXTRA 2 NOS OF 12T BARS SHALL BE PROVIDED IN SLAB BELOW WALL.

**SPECIAL NOTE**

THIS DRAWING TO BE MATCHED WITH RELEVANT ARCH. DRAWING.

**PROJECT NAME -**  
EXISTING STRUCTURAL PLAN OF (G+4) STORIED RESIDENTIAL CUM COMMERCIAL BUILDING (1ST, 2ND, 3RD, 4TH) OF SUSHANTA DAS AT D.L. ROY ROAD WARD NO - 15, HOLDING NO-45 UNDER KRISHNANAGAR MUNICIPALITY, P.S - KOTWALY, KRISHNANAGAR, DIST - NADIA.

**NOTES -**  
THE STRUCTURE OF THE BUILDING REMAIN UNCHANGED AS PER PREVIOUS SANCTION PLAN AND ALSO SAFE AFTER CHANGING INTERNAL WALL ONLY PREVIOUS PLAN HAS BEEN SANCTION ON DATED - 15/06/2018

**PROJECT ADDRESS -**  
MOUZA - 02 KRISHNANAGAR  
PLOT NO - B-5-2326-2329, L.R-3840, 3841, KHATTIAN NO-R-3-4536-4535, L.R.-39066, 39044, 264-26 (AS PER DEED)  
(AS PER PORCHA) KHATTIAN NO-27868-46833, 46051, 46945  
WARD NO - 15, HOLDING NO - 45  
AT D.L. ROY ROAD, UNDER KRISHNANAGAR MUNICIPALITY, P.S - KOTWALY, DIST - NADIA.

**OWNERS NAME AND SIGNATURE :-**  
I. S. ANTA DAS  
S/O LATE GOURANGA CHANDRA DAS  
Sranb

**LIBS SIGNATURE -**  
I CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN AS SUBMITTED BY THE CLIENT CONFORMS WITH THE PLAN AND IT IS BUILDABLE AND NOT TANK OR FILLER TANK.

**STRUCTURAL ENGINEER'S SIGNATURE -**  
Anil Biswas  
Civil Engineer & Tech  
W. No. 15, K. No. 45  
233802004 of 2012-13