

PROPOSED PLAN FOR THE CONSTRUCTION OF
B+G+4 COMMERCIAL BUILDING

FOR Mr. DILIP PRAMANIK
S/O- LATE. KRISHNA LAL PRAMANIK

VILL- WEST KHAGRABARI NEAR GOURIA MATH
DIST: COOCH BEHAR

P.S: PUNDIBARI , P.O: KHAGRABARI
WITHIN COOCHBEHAR ZILLA PARISHAD

PARTICULARS OF THE PROPOSED LAND :-

MOUZA - KHAGRABARI	TYPE - BASTU
KHATIAN NO - L.R. 13919	J.L. No. - 089
PLOT NO - R.S. 3827 & L.R 4818	AREA - 12 DECIMAL
P.S PUNDIBARI	DIST. - COOCH BEHAR



OWNER'S SIGNATURE:-

Dilip Pramanik K

DECLARATION OF ENGINEER :-

- 1) THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION & SUPER STRUCTURE OF BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AS PER THE NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT
- 2) CERTIFIED THAT THE ARCHITECTURAL DESIGN & DRAWING HAS BEEN MADE BY ME IN ACCORDANCE WITH W.B.M ACT 93 AND BUILDING RULES 96

SIGNATURE OF ENGINEER:-

<i>Subhrajyoti Datta</i> SUBHRAJYOTI DATTA B.E.(Civil). M.Tech(Structure) Chartered Engineer(AM188518-1) SUBHRAJYOTI PWD/L.B.S-I/O7 B.E AMIE M Tech(Structure) Chartered Engineer	<i>Himan Dey</i> HIMAN DEY B.Tech.(Civil Engineer) Reg. No. Himan Dey B Tech	 IDEAL GEOTECH	 TECHNO The Change your Dream Home
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CHECKED BY:-

APPROVED BY:-

R. K. Saha
Assistant Engineer
Cooch Behar Zilla Parishad
Cooch Behar

A. K. Saha
District Engineer
Cooch Behar Zilla Parishad
Cooch Behar

GENERAL NOTES :-

- 1) ALL DIMENSIONS ARE IN MM UNLESS NOTED OTHERWISE.
- 2) STRUCTURAL CONC SHALL BE OF GRADE M-25 FOR FOUNDATION, COLUMN, BEAM, SLAB ETC.
- 3) ALL LEAN CONC. SHALL BE OF CEMENT CONC. OF MIX 1:3:6 UNLESS NOTED OTHERWISE.
- 4) ALL REINFORCEMENT SHALL CONFIRM TO IS:1786 - 1985 OF GRADE Fe 500 TMT
- 5) ALL CLEAR COVER TO MAIN REINFORCEMENT SHALL BE 40 MM.FOR COLUMN,30MM FOR BEAM & 20MM FOR SLAB
- 6) ALL RCC DESIGN IS DONE FOLLOWING IS 456:2000,IS 13920:2016 IS 875 (PART 1,2 & 5).

SCHEDULE OF DOORS & WINDOWS :-

MD :- METAL DOOR	2100 X 2100
D1 :- SINGLE LEAF FULLY PANELLED	1200 X 2100
D2 :- SINGLE LEAF FULLY PANELLED	900 X 2100
D3 :- HOLLOW CORE FLUSH	750 X 2100

SD :- SLIDING GLAZED PANELLED
RS :- ROLLING SHUTTER OF GARAGE

W1 :- FULLY GLAZED WINDOW	1500 X 1350
W2 :- FULLY GLAZED WINDOW	1200 X 1000
W3 :- FULLY GLAZED WINDOW	500 X 750

FLOOR AREA OF GROUND FLOOR -	335.67 SQ.M
FLOOR AREA OF 1ST & 2NDFLOOR -	335.67 SQ.M
FLOOR AREA OF 3RD FLOOR -	335.67 SQ.M
FLOOR AREA OF ROOF -	335.67 SQ.M
HEIGHT OF THE BUILDING -	15 M
WALL THICKNESS- 125 MM, USER OF SEPTIC TANK - 50	

- 1) ALL R.C.C. WORK TO BE FOLLOWED BY M 25 CONCRETE (MINIMUM FOR DESIGN CRITERIA AS PER I.S.-456, 2000) AND STEEL OF Fe 500 GRADE.TMT.
- 2) COVER SHOULD BE FOLLOWED AS PER I.S.456;2000.
- 3) DUCTILE DETAILING AS PER IS- 13920:2016.
+0.00M IS DENOTED AS G.L.

SCHEDULE OF FOUNDATION BEAMS

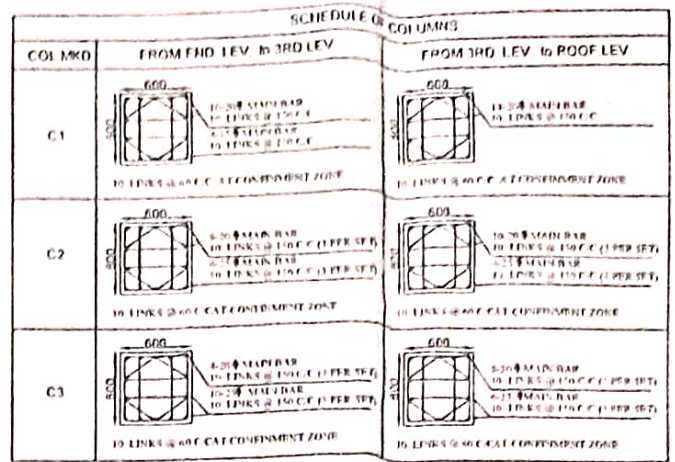
BEAM	SIZE		REINFORCEMENT								
MKD.	WIDTH (mm)	DEPTH (mm)	CANTILEVER		SPAN		CONT SUPP.		STIRRUPS		
			TOP	BOTT.	TOP	BOTT.	TOP	BOTT.	SUPP.	SPAN	CANTI.
FB	800	600	6-20 ϕ	6-20 ϕ 6-20 ϕ	6-20 ϕ	6-20 ϕ	6-20 ϕ	6-20 ϕ 6-20 ϕ	4L-10 ϕ @ 125 C/C	4L-10 ϕ @ 125 C/C	4L-10 ϕ @ 125 C/C

FOUNDATION SLAB REINFORCEMENT SCHEDULE

MKD.	SPACING	REMARKS
a	16 TGR @ 200 C/C	LONGITUDINAL TOP
b	20 TOR @ 150 C/C	LONGITUDINAL BOTTOM
c	16 TGR @ 150 C/C	TRANSVERSE TOP
d	20 TOR @ 100 C/C	TRANSVERSE BOTTOM

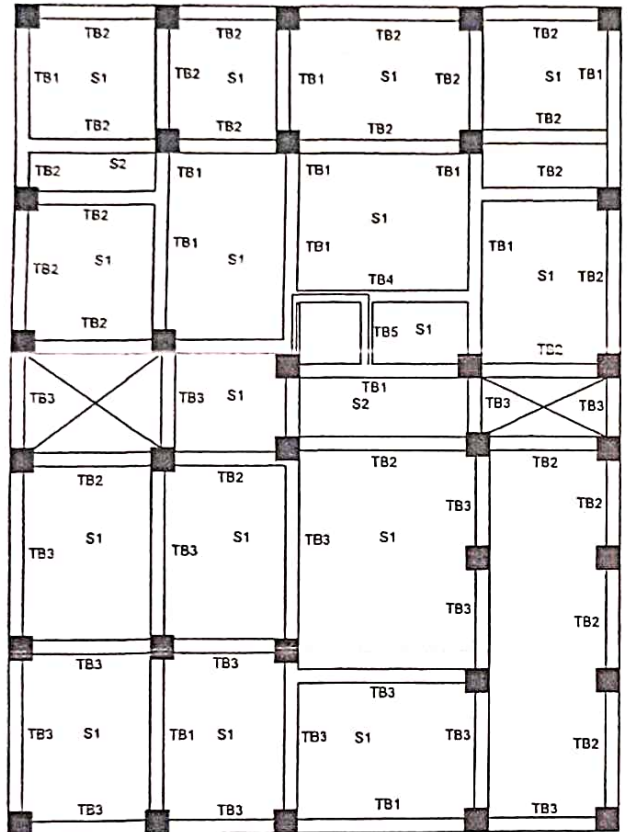
SCHEDULE OF TIE BEAM & TYPICAL FLOOR BEAM

BEAM MKD	SECTION	SUPPORT R/F		SPAN R/F		STIRRUP	
		TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B1	350 x 550	3-25	3-25	3-25	3-25	2L-10 @ 100 C/C	2L-10 @ 100 C/C
B2	350 x 500	3-25	3-25	3-25	3-25	2L-10 @ 100 C/C	2L-10 @ 100 C/C
B3	350 x 500	3-25	3-25	3-25	3-25	2L-10 @ 125 C/C	2L-10 @ 125 C/C
B4	250 x 350	4-16	4-16	4-16	4-16	2L-10 @ 100 C/C	2L-10 @ 125 C/C
B5	250 x 350	4-16	4-16	4-16	4-16	2L-10 @ 100 C/C	2L-10 @ 125 C/C
TB1	350 x 550	4-20	4-20	4-20	4-20	2L-10 @ 100 C/C	2L-10 @ 125 C/C
TB2	350 x 500	4-20	4-20	4-20	4-20	2L-10 @ 100 C/C	2L-10 @ 125 C/C
TB3	350 x 500	4-20	4-20	4-20	4-20	2L-10 @ 100 C/C	2L-10 @ 125 C/C
TB4	250 x 350	4-16	4-16	4-16	4-16	2L-10 @ 100 C/C	2L-10 @ 125 C/C
TB5	250 x 350	4-16	4-16	4-16	4-16	2L-10 @ 100 C/C	2L-10 @ 125 C/C
RSD	300 x 550	3-25	3-25	3-25	3-25	2L-10 @ 100 C/C	2L-10 @ 125 C/C

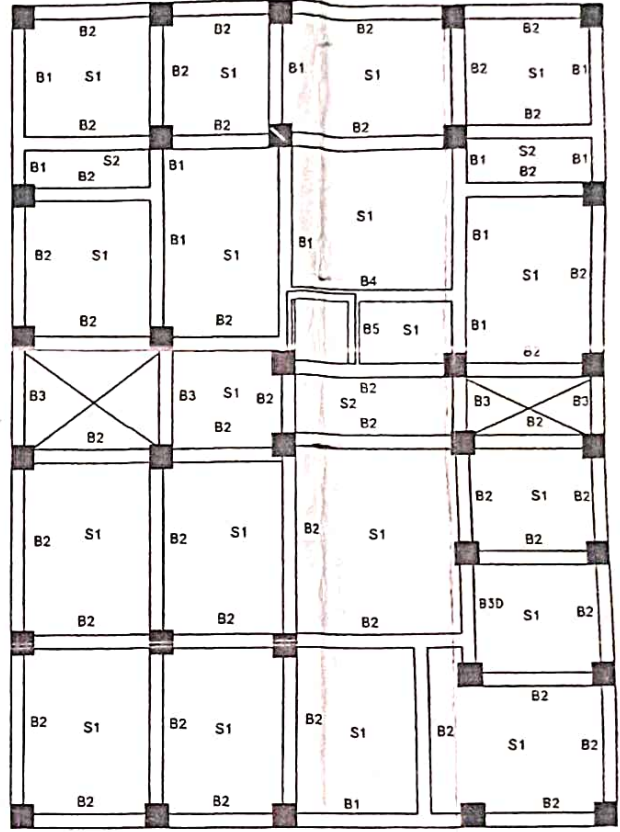


SCHEDULE OF FLOOR SLABS

SLAB MKD	SLAB THK (MM)	REINFORCEMENT					
		ALONG SHORTER DIRECTION (MAIN R/F)			ALONG LONGER DIRECTION (DIST R/F)		
		DISCON SUP (TOP)	SPAN (BOTT.)	CONT SUP (TOP)	DISCON SUP (TOP)	SPAN (BOTT.)	CONT SUP (TOP)
S1	150	10 ϕ @125 C/C	10 ϕ @125 C/C	10 ϕ @125 C/C	10 ϕ @125 C/C	10 ϕ @125 C/C	10 ϕ @125 C/C
S2	150	10 ϕ @125 C/C	10 ϕ @125 C/C	10 ϕ @125 C/C	10 ϕ @125 C/C	10 ϕ @125 C/C	10 ϕ @125 C/C

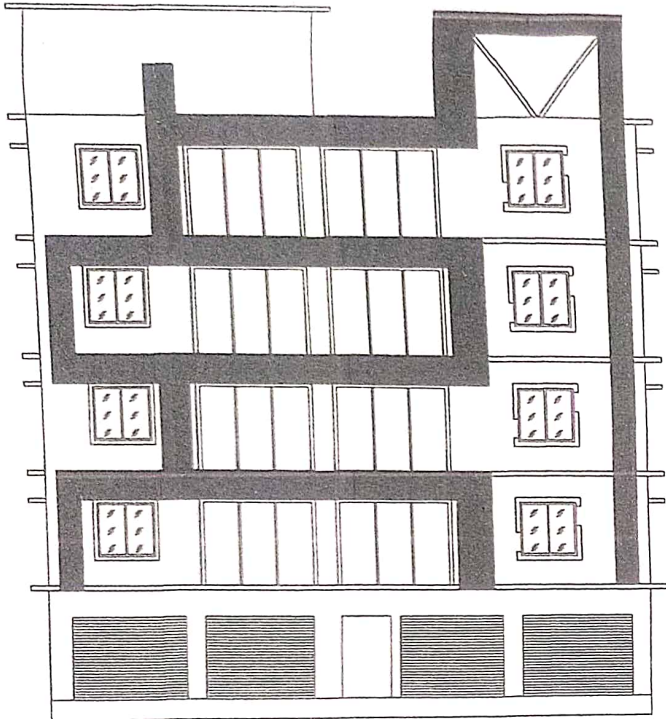


TIE BEAM LAYOUT
SCALE 1:100



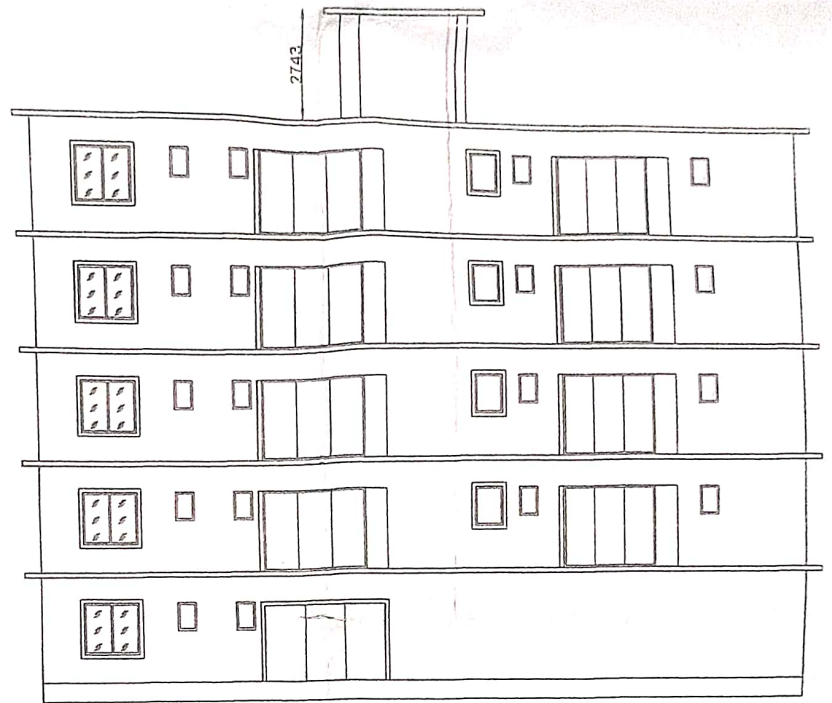
TYPICAL FLOOR BEAM LAYOUT
SCALE 1:100

TIE BEAM LAYOUT
SCALE 1:100



FRONT ELEVATION
SCALE 1:100

TYPICAL FLOOR BEAM LAYOUT
SCALE 1:100

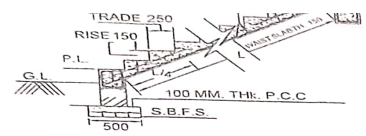


SIDE ELEVATION
SCALE 1:100

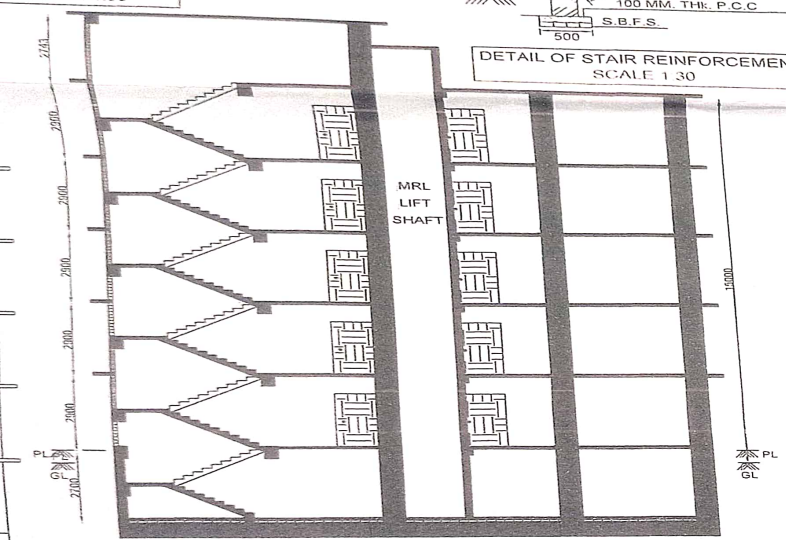
15850

60 C/C TO PROVIDED AT BEAM COLUMN JUNCTION UPTO A DIST. 4 750 MM

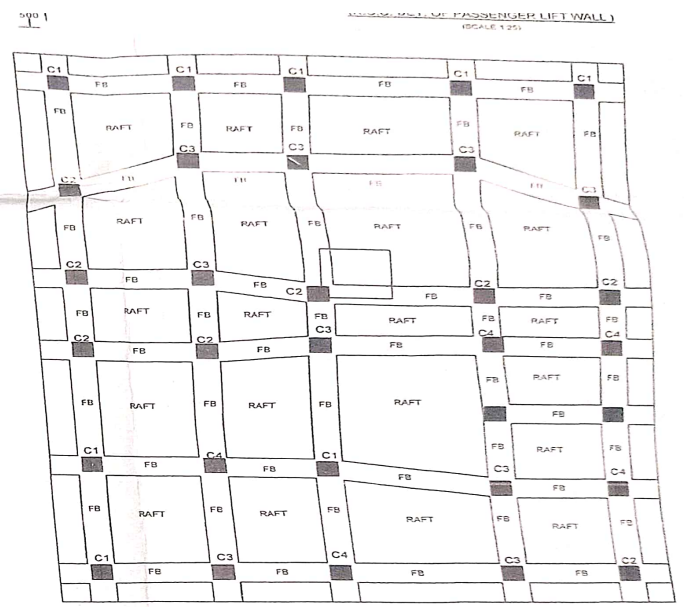
BEAM COLUMN JOINT SCALE-1:30



DETAIL OF STAIR REINFORCEMENT SCALE 1:30



SECTIONAL ELEVATION (A-A') SCALE 1:100

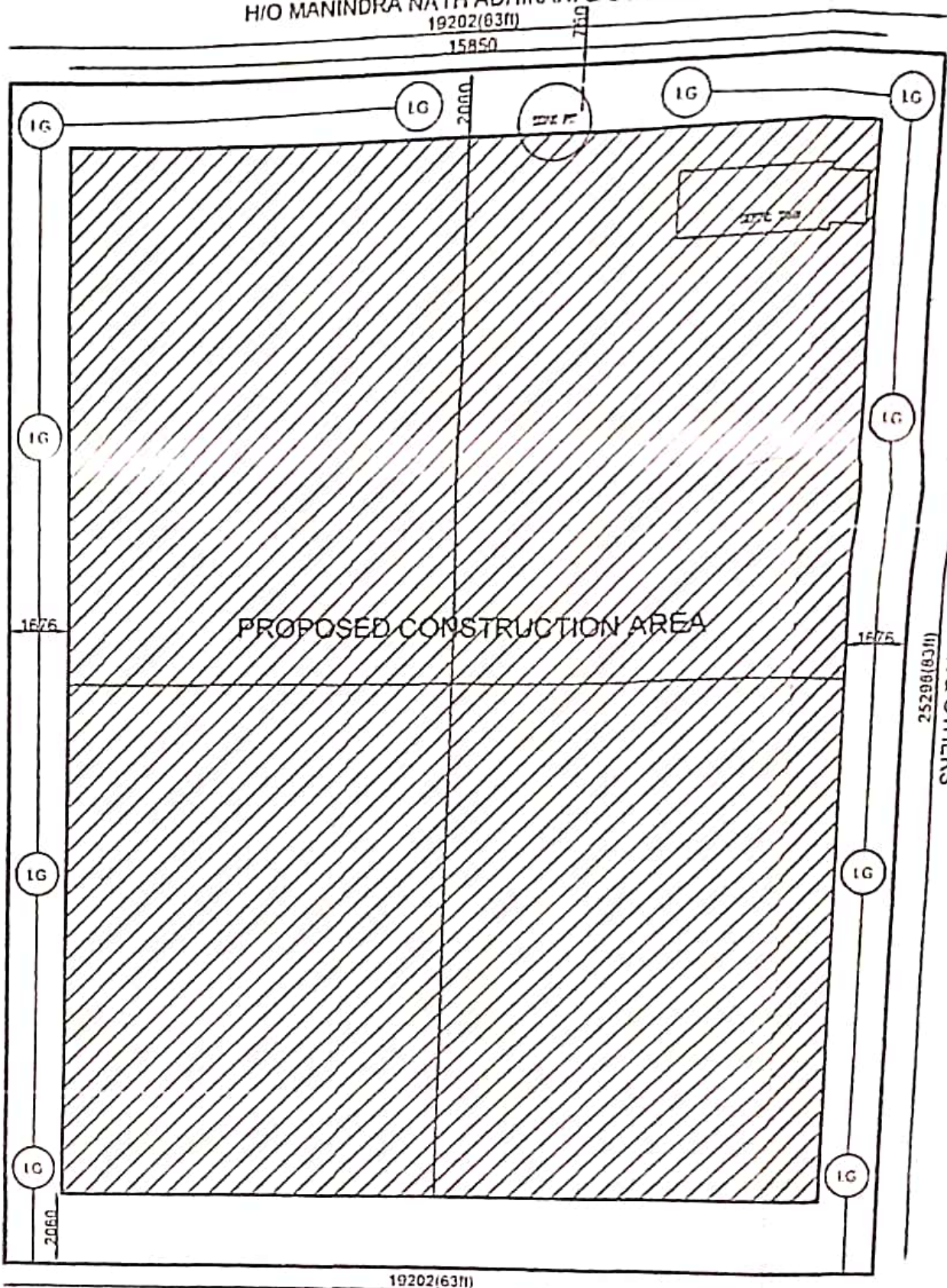


RAFT FOUNDATION & FOUNDATION BEAM LAYOUT SCALE 1:100

COLUMN CENTERLINE LAYOUT

SCALE 1 100

H/O MANINDRA NATH ADHIKARI & OTHERS
19202(6311)



PROPOSED CONSTRUCTION AREA

GOLIPATH
18 FT WIDE

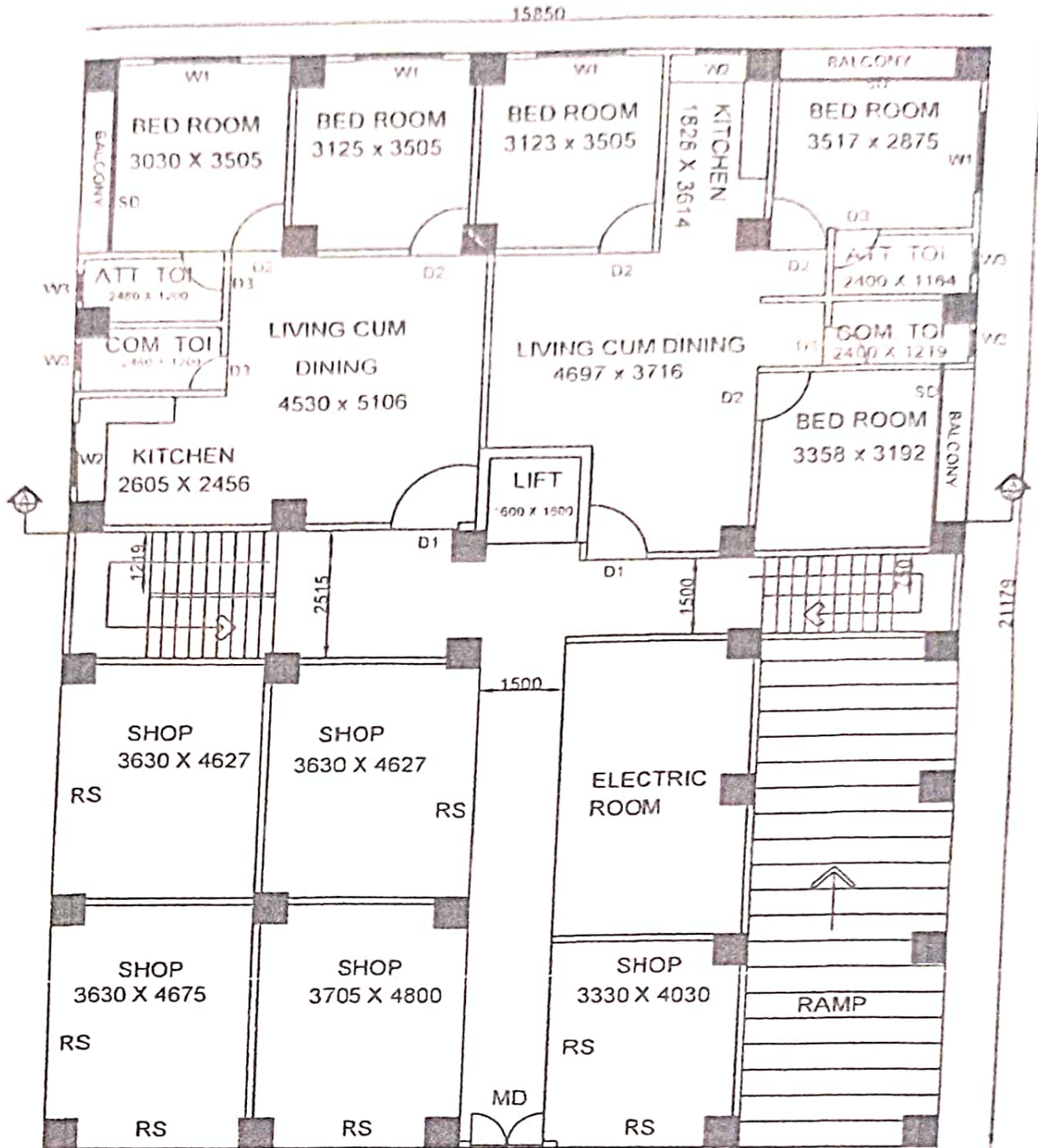
25208(6311)

H/O TAMAL DEY SARKAR & OTHERS
1113(8)98252

MAIN ROAD 30FT WIDE

SITE PLAN
SCALE 1 100

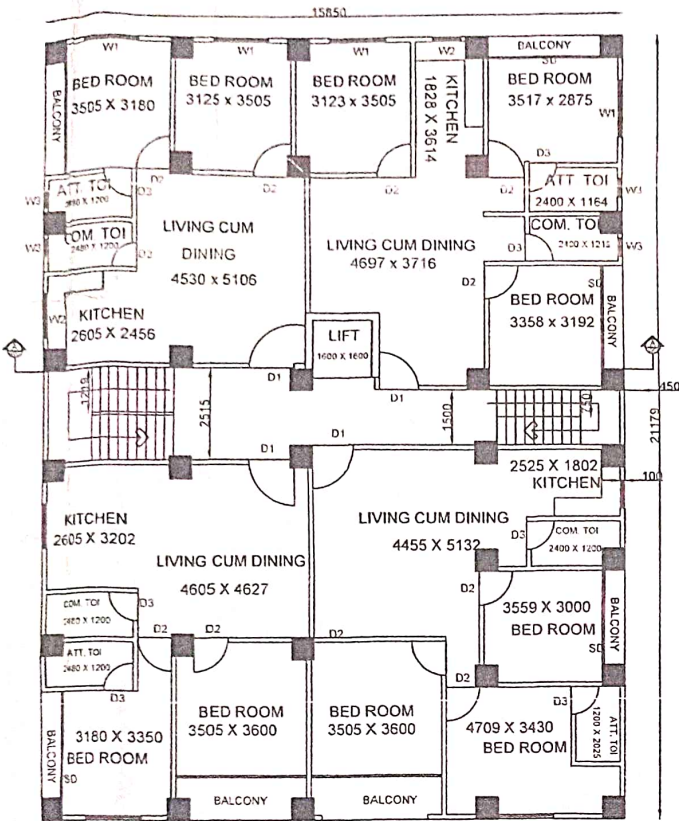
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GROUND FLOOR PLAN

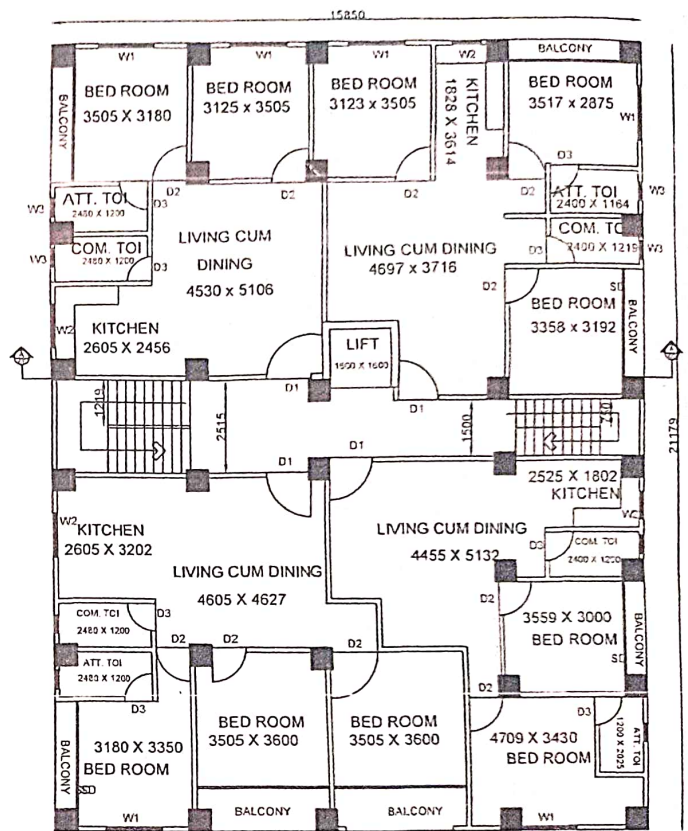
SCALE 1:100

SIDE ELEVATION
SCALE 1:100



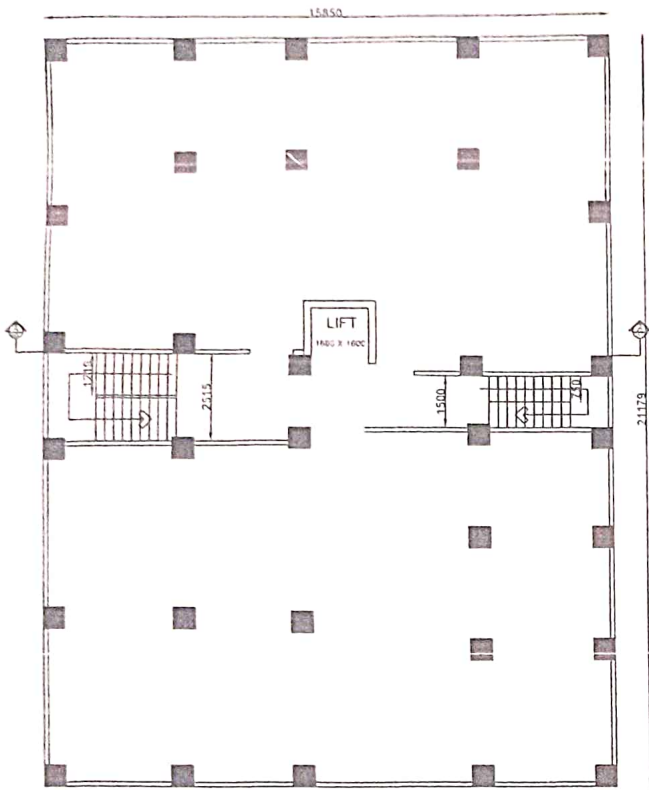
FIRST, THIRD & FOURTH FLOOR PLAN
SCALE 1:100

SECTIONAL ELEVATION (A-A')
SCALE 1:100



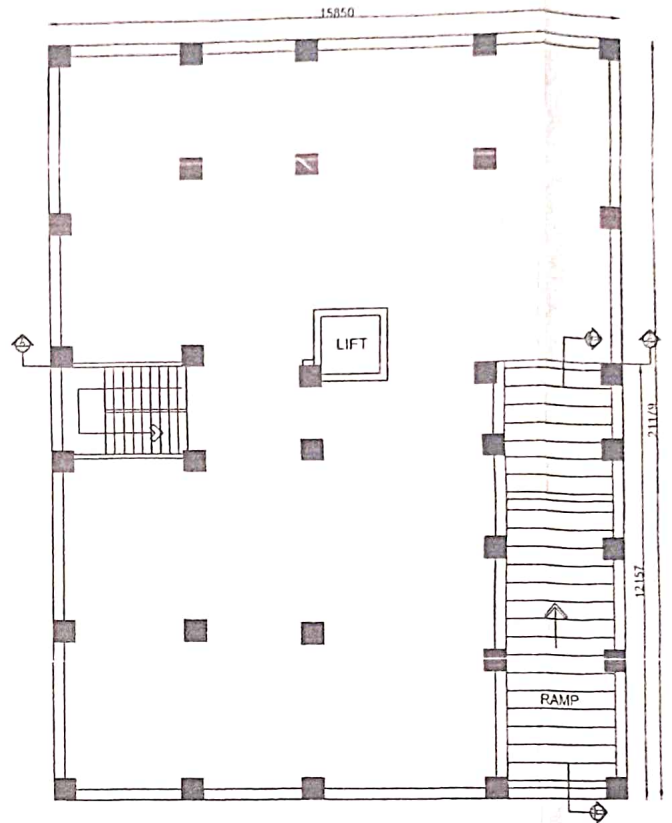
SECOND FLOOR PLAN
SCALE 1:100

SCALE 1:100



ROOF FLOOR PLAN
SCALE 1:100

SITE PLAN
SCALE 1:100

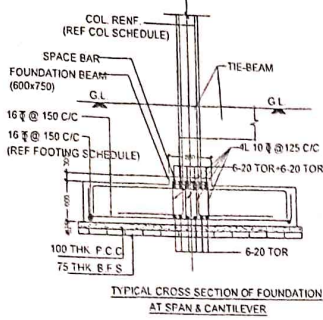


BASEMENT PLAN
SCALE 1:100

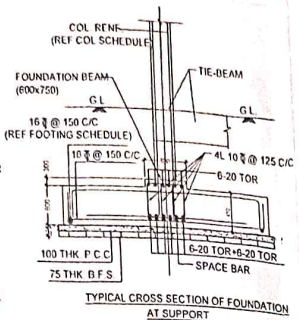
21/06/23

Assistant Engineer
Cooch Behar Zilla Parishad
Cooch Behar

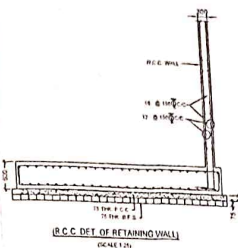
SCHEDULE



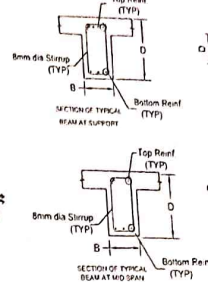
TYPICAL CROSS SECTION OF FOUNDATION AT SPAN & CANTILEVER



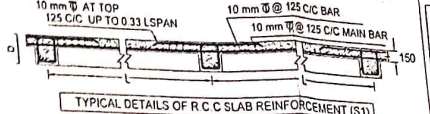
TYPICAL CROSS SECTION OF FOUNDATION AT SUPPORT



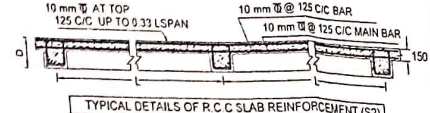
R.C.C. DET. OF RETAINING WALL (SCALE 1:20)



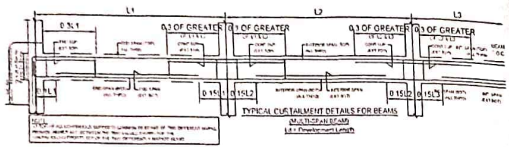
R.C.C. DET. OF BEAM AT MID SPAN



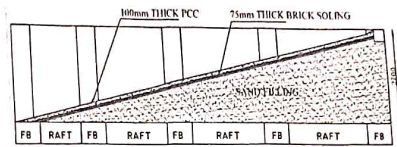
TYPICAL DETAILS OF R.C.C. SLAB REINFORCEMENT (S1)



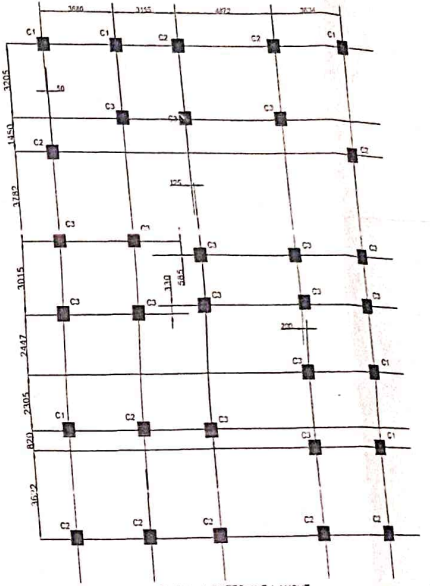
TYPICAL DETAILS OF R.C.C. SLAB REINFORCEMENT (S2)



TYPICAL CURTAILMENT DETAILS FOR BEAMS

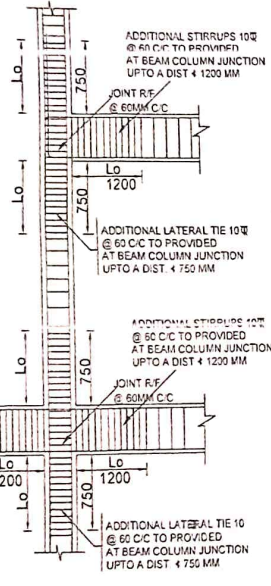


SECTIONAL ELEVATION (B-B') SCALE 1:100

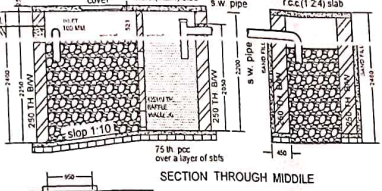


COLUMN CENTERLINE LAYOUT SCALE 1:100

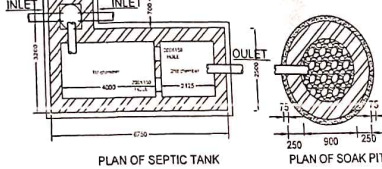
H.O. MANINDRA NATH ADHIKARI & OTHERS



DETAILS OF SEPTIC TANK & SOAK PIT (50 USERS) SCALE: 1:50

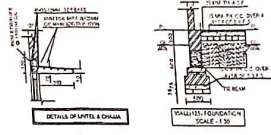
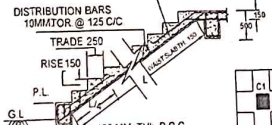


SECTION THROUGH MIDDLE

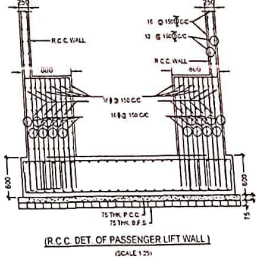


PLAN OF SEPTIC TANK PLAN OF SOAK PIT

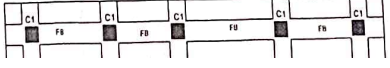
MAIN REINFORCEMENT 12 MM TOR @ 100 C/C



DETAILS OF LIFT & CHASE



R.C.C. DET. OF PASSENGER LIFT WALL (SCALE 1:20)



R.C.C. DET. OF BEAM AT MID SPAN

GENERAL NOTES
 1) ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED
 2) STRUTS SHALL BE PROVIDED AT ALL BEAM COLUMN JOINTS
 3) ALL REINFORCEMENT SHALL BE PROVIDED AS PER SCHEDULE
 4) ALL REINFORCEMENT SHALL BE PROVIDED AS PER SCHEDULE
 5) ALL REINFORCEMENT SHALL BE PROVIDED AS PER SCHEDULE
 6) ALL REINFORCEMENT SHALL BE PROVIDED AS PER SCHEDULE
 7) ALL REINFORCEMENT SHALL BE PROVIDED AS PER SCHEDULE

