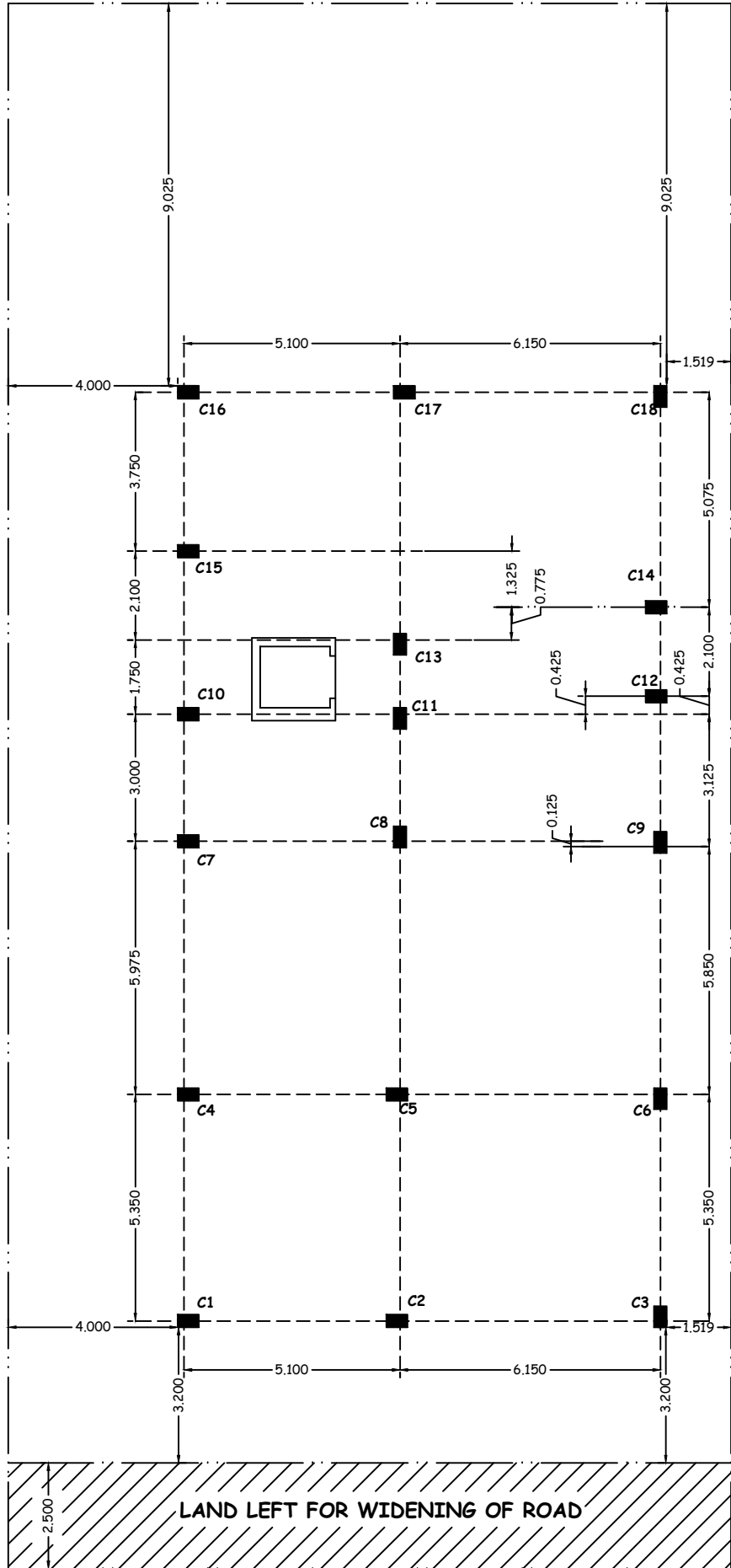


PROPOSED STRUCTURAL PLAN FOR B+G+IV STORIED RESIDENTIAL CUM MERCANTILE BUILDING OF M R CONSTRUCTION COMPANY REPRESENTED BY ITS PARTNERS SRI. MADHABENDRA NATH ROY & MD RAFIQUE ANSARI, TO BE CONSTRUCTED AT R. S. PLOT NO.- 7155, CORRESPONDING L. R. PLOT NO. - 9056, L. R. KH. NO.- 36266, UNDER MOUZA - ASANSOL MUNICIPALITY, J.L. NO.- 20, BEARING HOLDING NO.- 53/275, DR. M. N. SAHA ROAD, P. S.-ASANSOL (S), DIST-PASCHIM BURDWAN IN WARD NO.- 47, UNDER ASANSOL MUNICIPAL CORPORATION

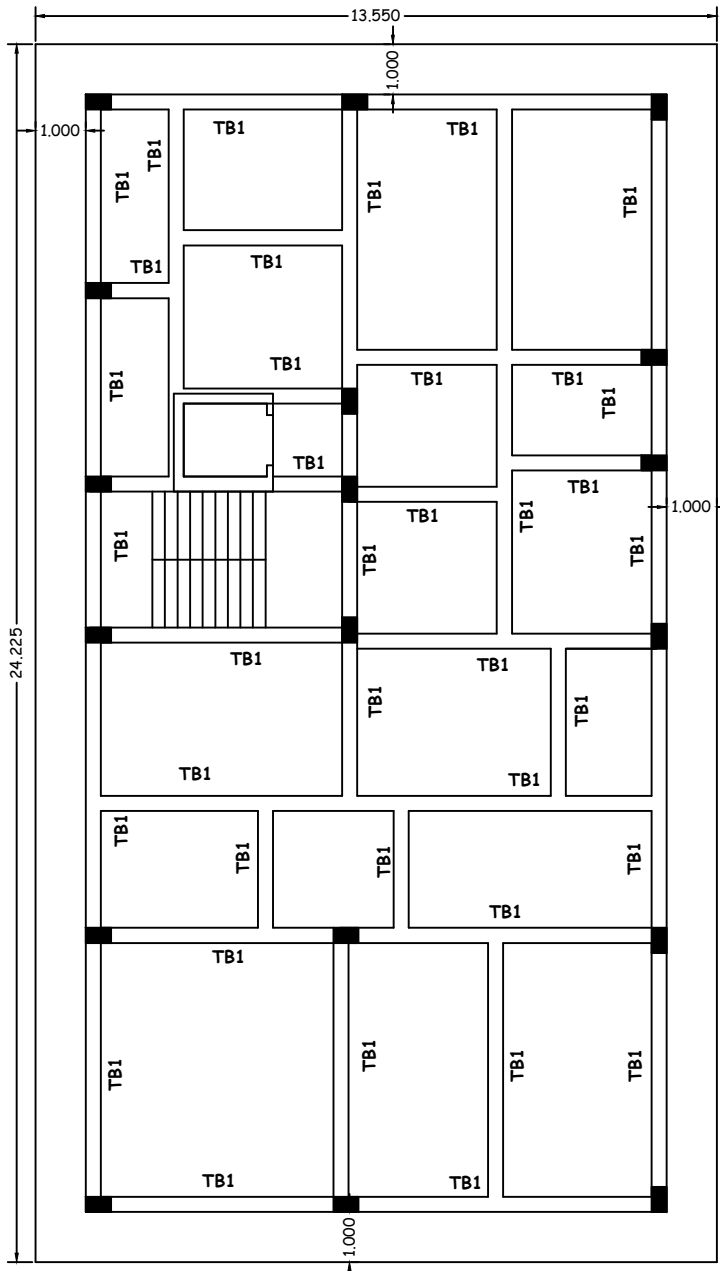
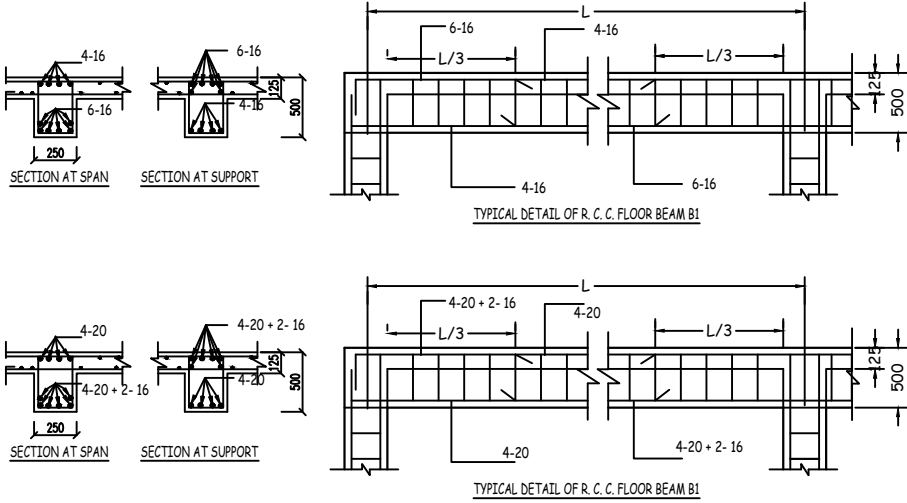
SCHEDULE OF REINFORCEMENTS IN COLUMNS:-							
COLUMN NO.	DESIG-NATION	SIZES (mmxmm)	NO.OF COLS	REINFORCEMENT DETAILS			
				FOUNDATION TO FIRST FLOOR	SECOND FLOOR TO THIRD FLOOR	FOURTH FLOOR TO TOP	DETAILS OF RING
C4, C5, C7, C8	CT1	300 X 600		6 nos-20TMT 4 nos-16TMT	6 nos-20TMT 4 nos-16TMT	6 nos-20TMT 4 nos-16TMT	8 TMT @100 C/C
REST COLUMN	CT2	300 X 900		4 nos-20TMT 4 nos-16TMT	4 nos-20TMT 4 nos-16TMT	8 nos-16TMT	8 TMT @100 C/C

SLAB SCHEDULE GRADE OF CONCRETE - M20			
SLAB MKD	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125	8 Φ @100C/C ST. 8 Φ @100C/C CKD.	8 Φ @100C/C ST. 8 Φ @100C/C CKD.
S1	125	10 Φ @100C/C ST. 10 Φ @100C/C CKD.	10 Φ @100C/C ST. 10 Φ @100C/C CKD.

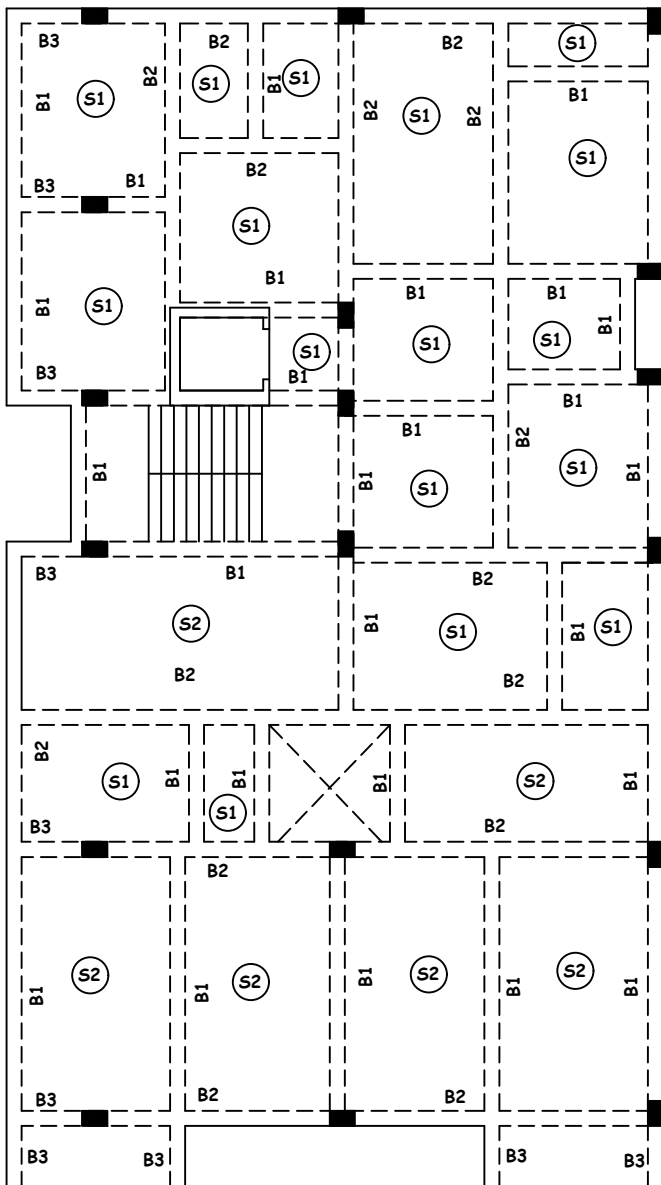


COLUMN LAYOUT PLAN
SCALE 1:1

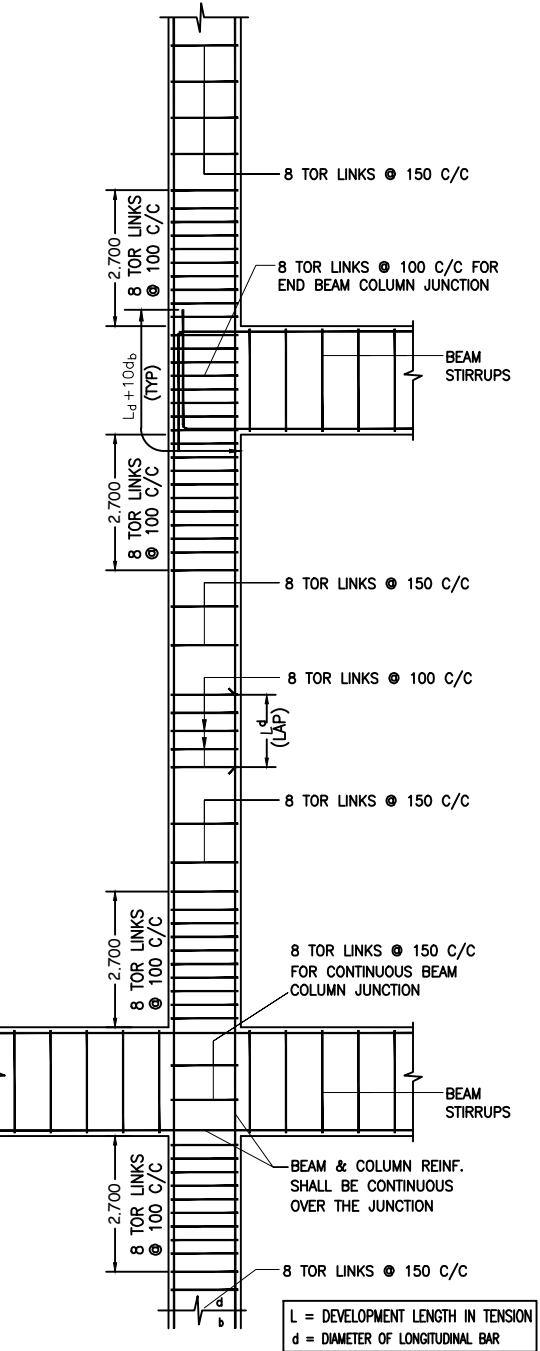
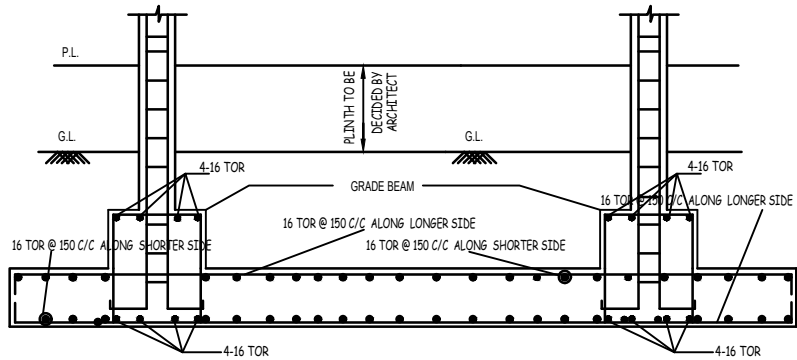
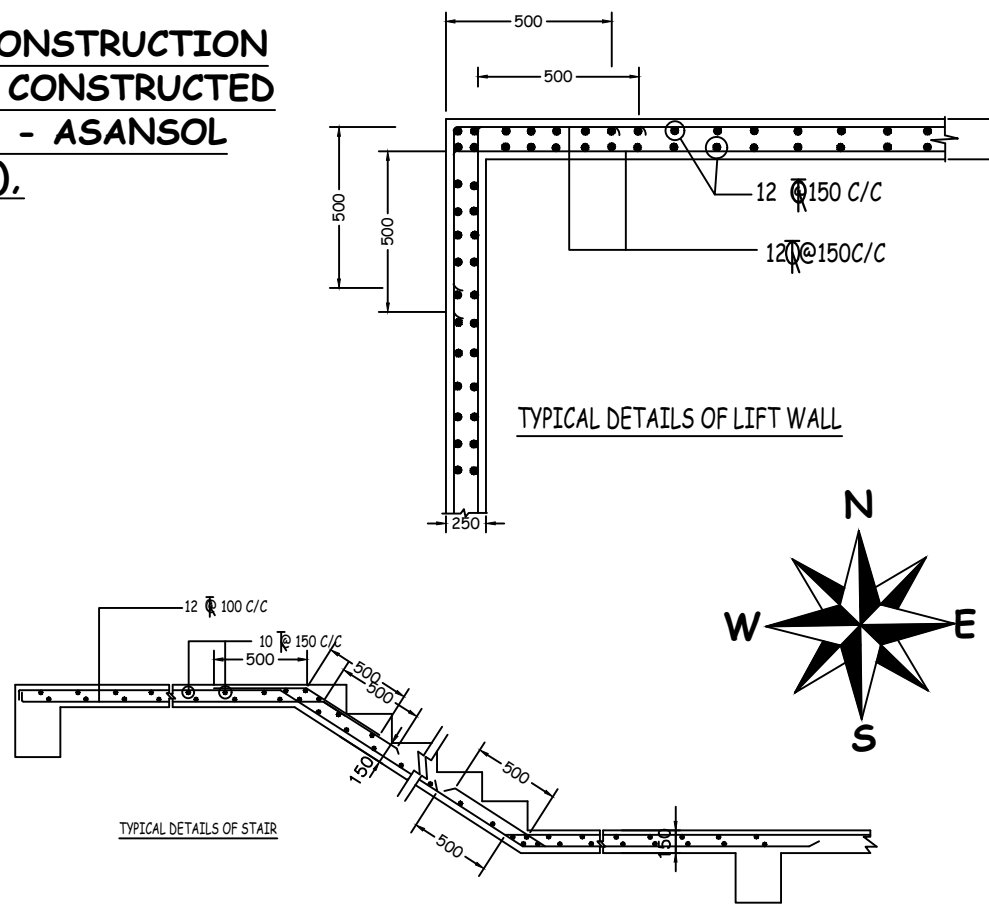
BEAM							
GRADE OF CONCRETE - M20							
BEAM MARKED	BEAM SIZE		BEAM SIZE		BEAM SIZE		BEAM SIZE
	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP
REINFT. AT SUPPT.	6-16TOR	4-16TOR	4-20TOR 2-16TOR	4-20TOR	5-16TOR	3-16TOR	4-16TOR
REINFT. AT SPAN	4-16TOR	6-16TOR	4-20TOR 2-16TOR	4-20TOR	5-16TOR	3-16TOR	4-16TOR
STIRRUPS	STIRRUPS		STIRRUPS		STIRRUPS		STIRRUPS
	AT SUPPT.	AT SPAN	AT SUPPT.	AT SPAN	AT SUPPT.	AT SPAN	AT SPAN
	8TOR@100C/C	8TOR@100C/C	8TOR@100C/C	8TOR@100C/C	8TOR@100C/C	8TOR@100C/C	8TOR@100C/C



RAFT FOUNDATION PLAN
SCALE 1:1



BEAM LAYOUT PLAN
SCALE 1:1



TYPICAL DETAIL OF BEAM COLUMN JUNCTION

AREA STATEMENT	
1) LAND AREA- (AS PER PARCHA)	= 667.73 SQM.
2) LAND AREA- (AS PER SITE)	= 630.69 SQM.
3) LAND AREA LEFT FOR WIDENING OF ROAD	= 42.67 SQM.
4) EFFECTIVE LAND AREA	= 588.02 SQM.
5) PERMISSIBLE GROUND COVERAGE (50%)	= 315.34 SQM.
6) PROPOSED BASEMENT FLOOR COVERED AREA	= 256.69 SQM.
7) PROPOSED GROUND FLOOR COVERED AREA	= 251.36 SQM.
8) PROPOSED FIRST FLOOR COVERED AREA	= 280.59 SQM.
9) PROPOSED SECOND FLOOR COVERED AREA	= 288.69 SQM.
10) PROPOSED THIRD FLOOR COVERED AREA	= 288.69 SQM.
11) PROPOSED FOURTH FLOOR COVERED AREA	= 288.69 SQM.
12) TOTAL COVERED AREA INC. BASEMENT	= 1654.71 SQM.
13) TOTAL COVERED AREA EXC. BASEMENT	= 1398.02 SQM.
14) BASEMENT FLOOR CAR PARKING AREA	= 256.69 SQM.
15) GROUND FLOOR CAR PARKING AREA	= 233.29 SQM.
16) TOTAL CAR PARKING AREA	= 489.98 SQM.
17) GROUND FLOOR MERCANTILE AREA	= 18.07 SQM.
18) FIRST FLOOR MERCANTILE AREA	= 280.59 SQM.
19) TOTAL MERCANTILE AREA (21.74%)	= 298.66 SQM.
20) TOTAL RESIDENTIAL + PARKING AREA	= 1356.05 SQM.
18) OPEN AREA	= 379.33 SQM.
19) GREEN AREA	= 32.12 SQM.
FAR CALCULATION:-	
A) STAIR I - (2.70X3.60)X4	= 38.88 SQM.
B) STAIR II - (1.8 X 7.3)	= 13.14 SQM.
C) LIFT WELL - (1.45X1.65)X4	= 9.57 SQM.
D) CAR PARKING AT GROUND FLOOR	= 233.29 SQM.
E) TOTAL DEDUCTION AREA	= 294.88 SQM.
F) COVERED AREA AFTER DEDUCTION	= 1398.02-294.88 =1103.14 SQM.
G) PERMISSIBLE FAR - 1.75	
H) PROPOSED FAR - 1.75	

CERTIFICATE OF OWNER

WE UNDERTAKE TO REPORT THAT THERE IS NO COURT CASE OR ANY COMPLAIN FROM ANY CORNER IN RESPECT OF OUR PROPERTY AS PER PLAN. ASANSOL MUNICIPAL CORPORATION WILL NOT BE LIABLE FOR ANY TYPE OF DISPUTE IF ARISES IN FUTURE.

DATE- _____

SIG. OF OWNER _____

CERTIFICATE OF ENGINEER/L.B.S :-

CERTIFIED THAT THE SITE HAS BEEN INSPECTED PERSONALLY BY ME/US AND THE PLAN HAS BEEN DRAWN UP STRICTLY ACCORDING TO THE RULES OF ASANSOL MUNICIPAL CORPORATION. CERTIFIED THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN SO DESIGNED BY ME/US TO BE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY OF SOIL AND SETTLEMENT ETC. AS PER I.S./N.B CODE. HOWEVER THE STRUCTURAL CALCULATION SHEET AND SOIL REPORT IS SUBMITTED FOR REFERENCE AND RECORD.

SIG. OF L.B.S _____

DATE:- _____

SIG. OF ENGINEER _____

DATE:- _____

- NOTES:-
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
 - ALL EXTERNAL WALLS ARE 200 MM TH. & ALL INTERNAL WALLS ARE 125/75 MM TH.
 - MIX OF CONCRETE OF ALL R.C.C MEMBERS SHALL BE OF M-20 GRADE.
 - ALL REINFORCEMENT SHALL BE OF Fe-415 CONFORMING TO I.S CODE.
 - CLEAR COVER FOR
a) FOUNDATION -40mm.
b) COLUMN-25mm,
c) BEAM-25mm,
d) SLAB-15mm.
 - THE DEPTH OF SEMI UNDERGROUND WATER RESERVOIR SHOULD NOT EXCEED THE DEPTHOF NEIGHBOURING COL. FOUND.
 - NET BEARING CAPACITY OF SOIL IS CONSIDEREDAS PER SOILTST REPORT.
 - FIGURED DIMENSIONS SHOULD BE FOLLOWED.
 - FOR SPECIFICATIONS OFMATERIALS & WORKMANSHIP FOLLOW N.B.C-1984.
 - POWER LINE (40KV) OF W.B.S. - E.D.C.L. IS AVAILABLE.
 - WATER FROM OWN 1800 DIA. WELL AND DEEP TUBEWELL.
 - SURFACE DRAIN TO BE CONNE- CTED TO A.M.C DRAIN.