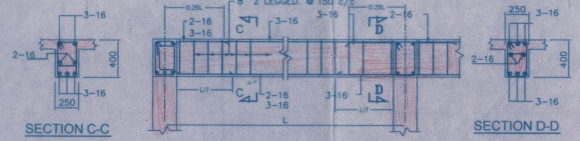

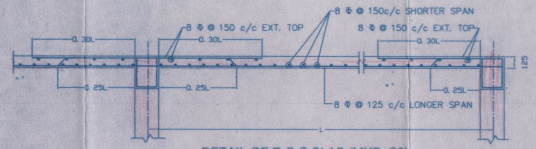

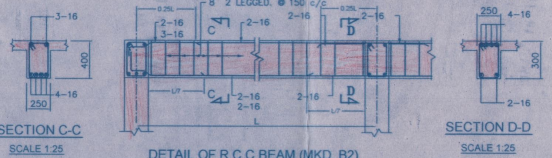

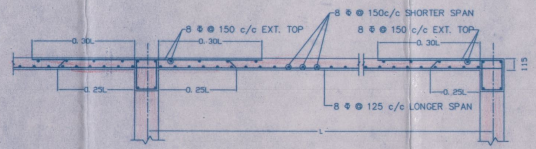

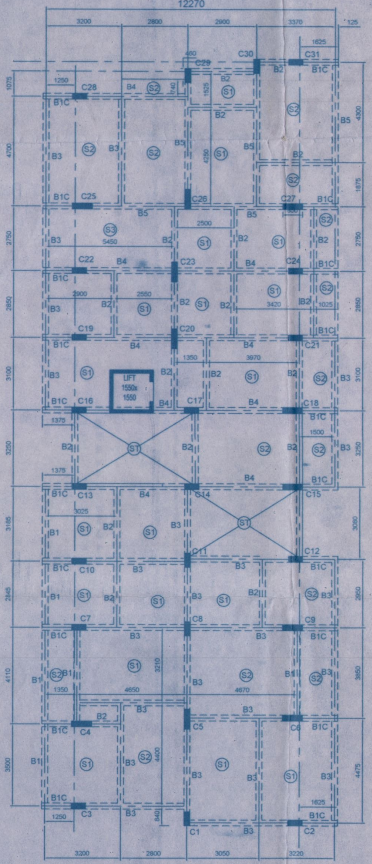

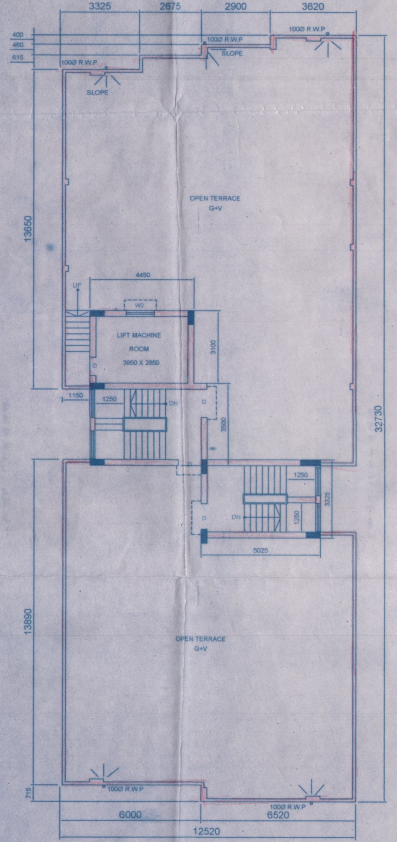

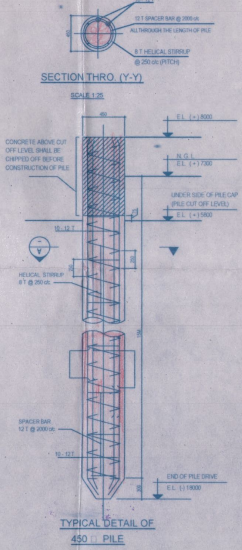

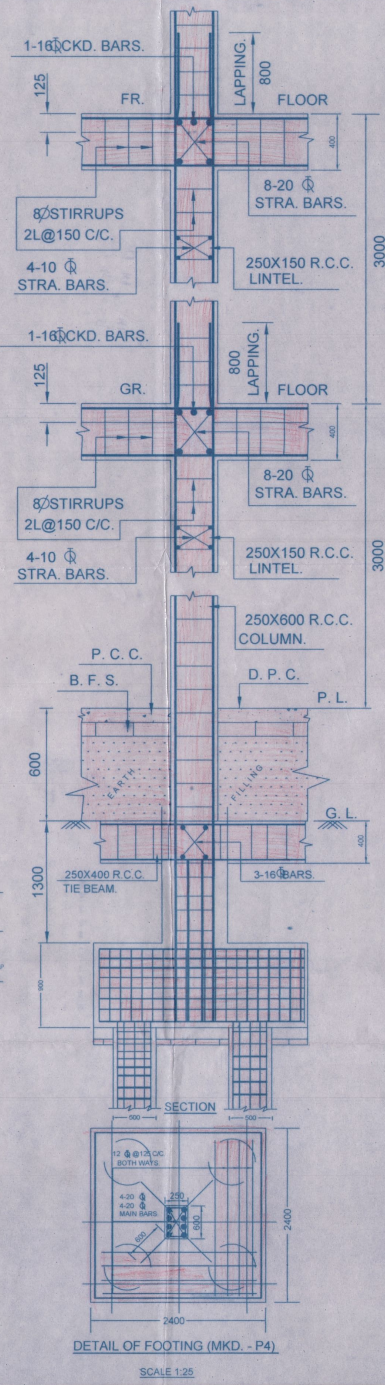

SPECIFICATION

1. 1ST. CLASS CEMENT BRICK WORK IN SUPER STRUCTURE.
2. LEAN CONC. 1:3:6 WITH 19mm DOWN GRADED S/CHIPS.
3. R.C.C. 1:1 :2 FOR R.C.C. WORK (M-20).
4. CEMENT SAND PLASTER 12mm THK. ON OUT SIDE & IN SIDE & 6mm THK. IN CEILING & R.C.C. CHAJJA.
5. 25mm & 6mm M.S. FLAT ORNAMENTAL GRILL FITTING.
6. WOOD WORK C.P. TEAK SHALL BE USED FOR SHUTTER.
7. BEARING CAPACITY OF SOIL 7.5Tn/2 (ASSUMED).
8. ALL REINFORCE SHALL BE FE-550 CONFIRMING TO ITS CODE.
9. LAP LENGHT SHOULD BE AT LEAST 550 IN TENSION & 550 IN COMPRESSION.

DETAILED STRUCTURAL REINFORCEMENT

SLAB SCHEDULE

SLAB MKD	THICKNESS	REINFORCEMENT	
		MAIN REINF	DISTRIBUTION
S1	110 MM	8 T @ 125 c/c	8 T 150 c/c
S2	115 MM	8 T @ 125 c/c	8 T 150 c/c
S3	125 MM	8 T @ 125 c/c	8 T 150 c/c
S4	150 MM	10 T @ 125 c/c	10 T 150 c/c

PROVIDE 8T 150 c/c AT EDGES AS EXTRA TOP

BEAM SCHEDULE

BEAM MKD	SECTION	REINF.(SUPPORT)		REINF.(SPAN)		STIRRUP
		TOP	BOTTOM	TOP	BOTTOM	
B1	250X350	3- 12 T + 2- 16 T	3-16 T	3-12 T	5 - 16 T	2L -8T@150 c/c
B2	250X300	2- 12 T + 2- 16 T	2-16 T	2-12 T	2- 16 T + 2- 16 T	2L -8T@150 c/c
B3	250X400	3- 16 T + 2- 16 T	3-16 T	3-16 T	3- 16 T + 2- 16 T	2L -8T@150 c/c
B4	250X450	3- 16 T + 3- 16 T	3-16 T	3-16 T	3- 16 T + 3- 16 T	2L -8T@150 c/c
B5	250X500	3- 20 T + 2- 20 T	3-20 T	3-20 T	3- 20 T + 2- 20 T	2L -8T@150 c/c
B1C	250X450 TO 250X400	5- 16 T	2-16 T	5-16 T	2-16 T	2L -8T@ 125 c/c
ALL TIE BEAMS	250X400	5- 16 T	3-16 T	3-16 T	5-16 T	2L -8T@ 175 c/c

COLUMN SCHEDULE

COLUMN MKD.	SECTION	REINFORCEMENT	TIE
C1,C2,C3,C7,C8,C9,C11,C12,C13,C14,C15,C16,C17,C18,C21,C22,C23,C24,C25,C26,C30,C31	250X400	8- 20 T	10T@150 c/c
ALL CS1HERS	250X650	12- 20T	10 T@150 c/c

SCHEDULE OF R.C.C. FOUNDATION

FOUNDATION MKD.	COL MKD.	SIZE OF FOOTING.	NO. OF PILE	DIA. OF PILE	REINFORCEMENT: TOP LAYER SHT. SPAN	TOP LAYER LONG SPAN	BOTTOM LAYER SHT. SPAN	BOTTOM LAYER LONG SPAN
P1	C1,C3,C11,C22,C26,C30,C31	1200X2200	2	450Ø	12 T @110C/C.	12 T @110C/C.	12 T @110C/C.	12 T @110C/C.
P2	C2,C7,C8,C10,C12,C15,C14,C16,C17,C19,C21,C24,C28,	AS PER DRG.	3	450Ø	16 T @125C/C.	16 T @125C/C.	16 T @125C/C.	16 T @125C/C.
P3	C14+C17+LIFT	4000X5300	7	450Ø	16T @125C/C.	16 T @125 C/C.	16T @125C/C.	16 T @125C/C.
P4	ALL OTHERS	2400X2400	4	450Ø	16T @125C/C.	16 T @125 C/C.	16T @125C/C.	16 T @125C/C.

SCHEDULE OF R.C.C.PILE

COL MKD.	REINFORCEMENT	STIRRUP	DIA OF PILE	CUT OF PILE	LENGTH OF PILE
ALL COLUMN	10-12T	8 T @115 C/C. (END) 8 T @175 C/C. (MID)	450Ø	1.5M.	15M.

PROPOSED G + V STORIED PART COMMERCIAL & PART RESIDENTIAL BUILDING PLAN AT R. S DAG NO.-1002 (P) ; L. R DAG NO. - 1063 ; R. S KH NO.- 12 ; L. R KH NO. - 2131 ; MOUZA - MAKARDAH ; J. L NO. - 34 ; P. S.- DOMJUR ; DIST.- HOWRAH. WEST BENGAL UNDER MAKARDAH I NO. GRAM PANCHAYET

NAME OF OWNER:- SMT. RITA HAZRA

SCALE :- 1 : 100 - F.ELEVATION, SEC, 1ST. FLOOR PLAN, GR. FLOOR & ROOF PLAN, LAYOUT PLAN
1 : 20 - FOUNDATION OF COLUMN, BRICK WALL.
1 : 50 - SEPTIC TANK.

SHEET NO. - 4/4

SIGN. OF STRUCTURAL ENGINEER

STABILITY CERTIFICATE OF STRUCTURAL ENGINEER CERTIFICATE THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILD HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT. AS PER THE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS SEMIC LOAD AND MOMENTS GENERATED BY THE PROPOSED STRUCTURE. AS PER BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODAD OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION

Dr. Tapas Barta Roy
M.E. (Structural Engineering)
Ph.D. (Engineering)
REGISTRATION NO. 2
GOVT. OF WEST BENGAL

SIGN. OF APPLICANT

JALAN BUILDERS PVT. LTD.
CONSTITUTED POWER OF ATTORNEY
SMT. RITA HAZRA

SIGN. OF L.B.S.

DRG. NO. DH/89/2014 DATE :- 19.05.2K14
CONTRACT NO. :- 9830046074 (MOB)

Amit Kr. Roy
Amit Kumar Roy
L.B.S OF HOWRAH ZILLA PARISHAD
CLASS-I REGISTRATION NO. 01
P.O+P.S. DOMJUR, DIST-HOWRAH