



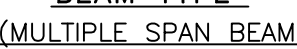
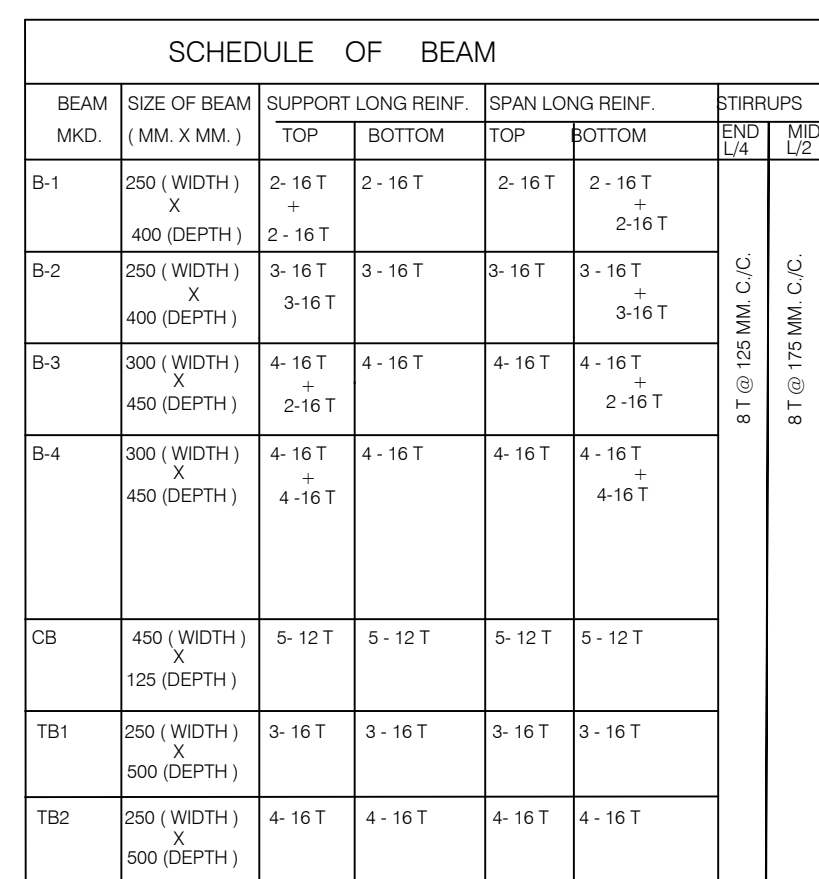
ALL C/L ARE BEAM C/L



SCHEDULE OF FOUNDATION							
DEPTH OF FOUNDATION = 1.5 M BELOW E.G.L.							
IND. NO.	TYPE OF FOUNDATION	DEPTH (M)	SIZE OF FOUNDATION (M ²)	THICKNESS OF FOUNDATION (MM)	PERFORMANCE IN TENSILE DIRECTION	PERFORMANCE IN COMPRESSIVE DIRECTION	PERFORMANCE IN SHEAR DIRECTION
F-1	ISOLATED FOOTING	1500	2.6 2.6	500 TO 200	12 T @ 100 MM G.C.	12 C @ 100 MM G.C.	12 T @ 100 MM G.C.
F-2		1500	3.0 3.0	500 TO 200	12 T @ 125 MM G.C.	12 C @ 125 MM G.C.	12 T @ 125 MM G.C.
F-3		1500	2.4 4.1	500 TO 200	12 T @ 125 MM G.C.	12 C @ 125 MM G.C.	12 T @ 125 MM G.C.
F-4	CONCRETE FOOTING	1500	2.4 4.7	500 TO 200	12 T @ 125 MM G.C.	12 C @ 125 MM G.C.	12 T @ 125 MM G.C.
F-5		1500	2.4 4.9	500 TO 200	12 T @ 125 MM G.C.	12 C @ 125 MM G.C.	12 T @ 125 MM G.C.
F-6		1500	5.0 5.4	400	12 T @ 100 MM G.C.	12 C @ 100 MM G.C.	12 T @ 100 MM G.C.
F-7	ISOLATED FOOTING	1500	5.0 6.25	400	12 T @ 100 MM G.C.	12 C @ 100 MM G.C.	12 T @ 100 MM G.C.

SCHEDULE OF SLAB & WALL							
SLAB	THICK.	REINF. ALONG SHORTER DIET.		REINF. ALONG LONGER DIET.			
MOD.	N.M.M.	AT SPAN	AT SUPPORT	AT SPAN	AT SUPPORT		
S1	125	8 T @ 150 MM C/C	8 T @ 150 MM C/C	8 T @ 100 MM C/C	8 T @ 150 MM C/C		
S2	125	10 T @ 100 MM C/C	10 T @ 100 MM C/C	10 T @ 100 MM C/C	10 T @ 100 MM C/C		
START (IS/C)	150	LONG MAIN REINF. - 12 T @ 100 MM C/C. DIST REINF. - 8 T @ 175 MM C/C.					

SCHEDULE OF COLUMNS			
COLUMN SIZES WITH REINFORCEMENTS			STIRRUPS
COL. MKD.	FROM FND. TO 2ND. FLOOR	FROM 2ND. FLOOR TO ROOF	
C1 - C56	250 X 450 12 - 16 T 	250 X 450 10 - 16 T 	8 T @ 200 MM C.C.



(MULTIPLE SPAN BEAM)

CURTAILMENT DETAILS FOR BEAM



1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCH. DRAWINGS.
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED ARCH. DRAWINGS.
3. THE DEPTH OF SEPTIC TANK & SUMP UNDER GROUND WATER RESERVOIR , SHOULD NOT EXCEED THE DEPTH OF FOUNDATION.
4. GRADE OF CONCRETE IS M-20 CONFORMING IS 456-1978 .
GRADE OF REINFORCING STEEL SHALL BE A55-58 .
BARS () Fe-500 CONFORMING IS 1786-1985.
5. CLEAR COVER FOR REINFORCEMENT .
1) FOUNDATION SLAB = 50 MM.
2) FOUNDATION BEAM = 50 MM.
3) FLOOR BEAM = 25 MM.
4) FLOOR SLAB = 15 MM.
5) COLUMN = 40 MM.
6. THE LAPS SHALL BE STAGGERED, NOT MORE THAN 1/3 OF THE TOTAL REINFORCEMENT SHALL BE LAPPED AT A SINGLE SECTION.
7. ALL STIRRUPS SHALL BE PROVIDED AS PER IS:1326-1983.
8. SURROUNDING FOUNDATION SHALL BE UNDER PARTITION WALLS THOSE ARE NOT LOCATED OVER THE TIE BEAM.

SPACE FOR OFFICE SEAL

DECLARATION OF GEO - TECHNICAL

I UNDER SIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE AND STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

GOPAL CHANDRA BAG
B.C.E.(JU), M.E., MIGS, G.T./II/1(R.M.)
SIG.OF GEO-TECHNICAL ENGR.(R.M.)

SIG.OF GEO-TECHNICAL ENGR.(R.M)

STRUCTURAL ENGINEER CERTIFICATE

THE STRUCTURAL DRAWING AND DESIGN OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING D.L., L.L., THE WIND LOAD & SEISMIC LOAD AS PER THE N B C OF INDIA . I CERTIFY THAT IT IS SAFE AND

STABLE IN ALL RESPECT

GOPAL CHANDRA BAG (E.S.E.- II /1-B.M.

B.C.E.(JU), M.E.(Str), Chartered Civil Eng (M-1440033)

SIGNATURE OF ESB

L. B. S. CERTIFICATE

THE PLCE IS A VACANT LAND. THE PL
BOUNDARY MEASUREMENT AGREED WITH

DECLARATION PLAN THE WIDTH OF MUNICIPAL ROAD IS AS PER PLAN CERTIFIED BY ME WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISIONS OF THE KMC BUILDING RULES AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF ABUTTING KMC ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR FILLED UP TANK.

GOPAL CHANDRA BAG (L.B.S.-4 / I-R.M.)

B.C.E.(JU), M.E., Chartered Civil Eng.(M-1440033)

SIGNATURE OF L.B.S.

WE DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT WE SHALL ENGAGE L.B.S. & S.E.E. AND FOLLOW THE INSTRUCTION OF L.B.S. & S.E.E. DURING CONSTRUCTION OF BUILDING , U.G.W.R. ,S.T. ETC. AS PER B.S. PLAN. THE AUTHORITY WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL STABILITY AND ADJOINING STRUCTURE. K.M.C IS GIVING THE SANCTION ON THE BASIS OF DOCUMENTS SUBMITTED BY ME AND THE PLOT IS IDENTIFIED BY ME. IF ANY SUBMITTED DOCUMENTS FOUND WRONG OR FAKE , THE K.M.C. AUTHORITY WILL REVOKE THE SANCTION. CONSTRUCTION OF U.G.W.R. & S.T. WILL BE UNDERTAKEN UNDER THE GUIDANCE OF THE L.B.S. / S.E.E. BEFORE STARTING OF NEW BUILDING FOUNDATION WORK.

SIGNATURE OF OWNERS

STRUCTURAL PLAN OF PROPOSED G+IV
COMMERCIAL CUM RESIDENTIAL BUILDING OF 1) MRS. LISI DAS MAJUMDAR & 2) MRS. MUNMUN DAS MAJUMDAR, AT MOUZA- SUBUDHIPUR, J.L. NO.- 32, DAG NO.- 26 & 27, L.R. KHATTAN NO.- 4683 & 6584, HOLDING NO.- 27/A, WARD NO.- 12, P.S.- BARUIPUR, DIST.- SOUTH 24 PARGANAS, UNDER BARUIPUR MUNICIPALITY.

TITLE: STRUCTURAL PLAN

SCALE 1:100, 1:25