SCHEDULE OF COLUMN :- BLOCK-A (M20 AND FE 500)

COLUMN NOS.	SIZE (MMxMM)	FOUNDATION TO 1ST FL	1ST FL TO ROOF
AC1	250X450	8-16Ø	4-16Ø+4-12Ø
AC2	250X450	8-16Ø	4-16Ø+4-12Ø
AC3	250X450	8-16Ø	4-16Ø+4-12Ø
AC4	250X450	4-16Ø+4-12Ø	8-12Ø
AC5	250X450	8-16Ø	4-16Ø+4-12Ø
AC6	250X450	4-16Ø+4-12Ø	8-12Ø
AC7	250X450	8-20Ø	4-20Ø+4-16Ø
AC8	250X450	8-20Ø+2-16Ø	4-20Ø+4-16Ø
AC9	250X450	4-20Ø+4-16Ø	8-16Ø
AC10	250X450	4-20Ø+4-16Ø	8-16Ø
AC11	250X450	8-16Ø	4-16Ø+4-12Ø
AC12	250X450	8-16Ø	8-16Ø
AC13		OMMITED	
AC14	250X450	4-20Ø+4-16Ø	8-16Ø
AC15	250X450	8-20Ø	4-20Ø+4-16Ø
AC16	250X450	4-20Ø+4-16Ø	4-20Ø+4-16Ø
AC17	250X450	4-20Ø+4-16Ø	8-16Ø
AC18	250X450	8-16Ø	8-16Ø
AC19	250X450	4-16Ø+4-12Ø	8-12Ø
AC20	250X450	8-20Ø	4-20Ø+4-16Ø
AC21	250X450	4-20Ø+4-16Ø	8-16Ø
AC22	250X450	8-16Ø	8-16Ø
AC23	250X450	4-20Ø+4-16Ø	8-16Ø
AC24	250X500	8-20Ø+2-16Ø	10-16Ø
AC25		OMMITED	
AC26	250X500	8-20Ø+2-16Ø	4-20Ø+6-16Ø
AC27	250X450	4-20Ø+4-16Ø	8-16Ø
AC28	250X450	8-16Ø	8-16Ø
AC29	250X450	4-16Ø+4-12Ø	8-12Ø
AC30	250X450	4-20Ø+4-16Ø	8-16Ø
AC31	250X450	8-16Ø	8-16Ø
AC32	250X450	8-16Ø	8-16Ø
AC33	250X450	4-16Ø+4-12Ø	4-16Ø+4-12Ø
AC34	250X450	4-20Ø+4-16Ø	8-16Ø
AC35	250X450	4-20Ø+4-16Ø	8-16Ø
AC36	250X750	8-16Ø+4-12Ø	4-16Ø+4-12Ø
AC37	250X450	8-16Ø	4-16Ø+4-12Ø
AC38	250X450	8-16Ø	4-16Ø+4-12Ø
AC39	250X450	8-16Ø	4-16Ø+4-12Ø
AC40	250X450	8-16Ø	4-16Ø+4-12Ø
AC41	250X450	8-16Ø	4-16Ø+4-12Ø
AC42	250X450	8-16Ø	4-16Ø+4-12Ø
BC43	250X450	8-16Ø	4-16Ø+4-12Ø

SCHEDULE OF COLUMN :- BLOCK-B (M20 AND FE 500)

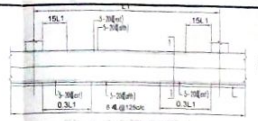
COLUMN NOS.	SIZE (MMxMM)	FOUNDATION TO 1ST FL	1ST FL TO ROOF
BC1	250X450	8-16Ø	8-16Ø
BC2	250X450	4-16Ø+4-12Ø	8-16Ø
BC3	250X450	4-16Ø+4-12Ø	8-12Ø
BC4	250X450	8-12Ø	8-12Ø
BC5	250X450	8-16Ø	4-16Ø+4-12Ø
BC6	250X450	4-20Ø+4-16Ø	8-16Ø
BC7	250X450	4-20Ø+4-16Ø	8-16Ø
BC8	250X450	4-16Ø+4-12Ø	8-12Ø
BC9	250X450	8-20Ø	4-20Ø+4-16Ø
BC10	250X450	8-20Ø	4-20Ø+4-16Ø
BC11	250X550	4-20Ø+6-16Ø	10-16Ø
BC12	250X450	8-16Ø	4-16Ø+4-12Ø
BC13	250X450	8-20Ø	4-20Ø+4-16Ø
BC14	250X450	8-20Ø	4-20Ø+4-16Ø
BC15	250X450	8-20Ø	4-20Ø+4-16Ø
BC16	250X450	4-20Ø+4-16Ø	8-16Ø
BC17	250X450	8-16Ø	4-16Ø+4-12Ø
BC18	250X450	8-16Ø	8-16Ø
BC19	250X450	4-20Ø+4-16Ø	8-16Ø
BC20	250X450	8-16Ø	8-16Ø
BC21	250X450	4-16Ø+4-12Ø	4-16Ø+4-12Ø
BC22	250X450	4-16Ø+4-12Ø	4-16Ø+4-12Ø
BC23	250X450	4-16Ø+4-12Ø	4-16Ø+4-12Ø
BC24	250X450	4-16Ø+4-12Ø	4-16Ø+4-12Ø

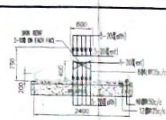
SCHEDULE OF TIE BEAM (M20 AND FE 500)

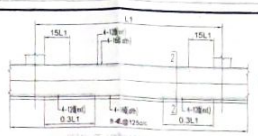
BEAM MKD.	SIZE (MM x MM)	TOP		BOTT		STIRRUPS (2 LEGGED)	
		AT LTH	EXTRA (AT SUPT.)	AT LTH	EXT(MID SPAN)	AT SUPPORT	AT SPAN
TB1	250x350	2-16Ø+1-12Ø	-	2-16Ø+1-12Ø	-	8Ø@125mmC/C	8Ø@150mmC/C
TB2	250x350	2-12Ø+1-16Ø	-	2-12Ø+1-16Ø	-	8Ø@125mmC/C	8Ø@150mmC/C
TB3	250x350	3-16Ø	-	3-16Ø	-	8Ø@125mmC/C	8Ø@150mmC/C

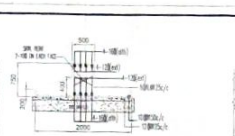
SCHEDULE OF FOUNDATION :- (M25 AND FE 500)

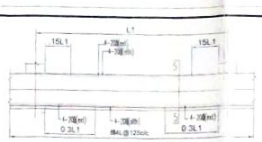
MKD.	SIZE (mm)		DEPTH OF BASE SLAB		REINFORCEMENT	
	W	L	D	d	SHORTER(Y)	LONGER(X)
F1	2250	2250	450	200	12Ø@150 C/C BOTH WAYS OF BOTTOM	
F2	2400	2400	450	200	12Ø@150 C/C BOTH WAYS OF BOTTOM	
F3	2600	2600	450	200	12Ø@150 C/C BOTH WAYS OF BOTTOM	
F4	2850	2850	450	200	12Ø@150 C/C BOTH WAYS OF BOTTOM	
F5	2200	2600	450	200	12Ø@150 C/C BOTH WAYS OF BOTTOM	
F6	2850	3200	500	250	12Ø@150 C/C BOTH WAYS OF BOTTOM	
F8	2600	3200	500	250	12Ø@150 C/C BOTH WAYS OF BOTTOM	
COMB-1	AS/SHOWN		400	250	12Ø@120 C/C	10Ø@150 C/C
COMB-2	AS/SHOWN		400	250	12Ø@120 C/C	10Ø@150 C/C
COMB-3	AS/SHOWN		400	200	12Ø@120 C/C	10Ø@150 C/C
COMB-4	AS/SHOWN		400	200	12Ø@120 C/C	10Ø@150 C/C
COMB-5	AS/SHOWN		400	200	12Ø@120 C/C	10Ø@150 C/C
COMB-6	AS/SHOWN		400	200	12Ø@120 C/C	10Ø@150 C/C
COMB-7	AS/SHOWN		400	200	12Ø@120 C/C	10Ø@150 C/C

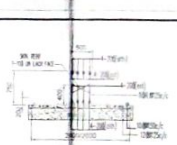


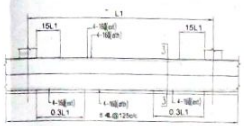


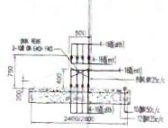


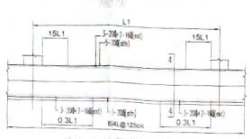


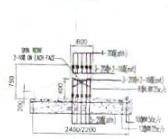


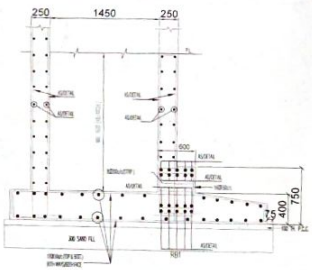




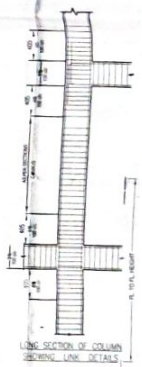




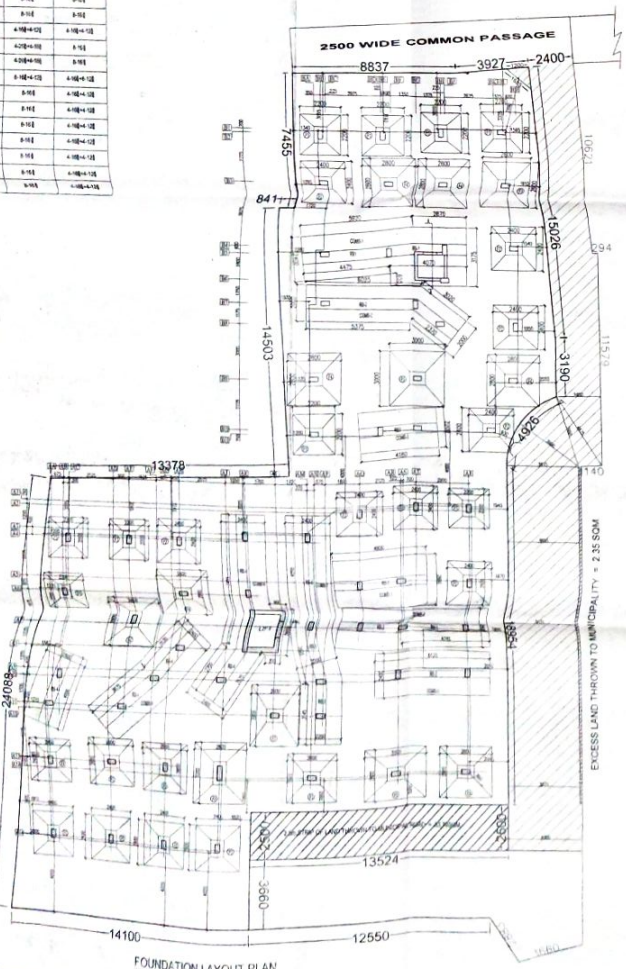




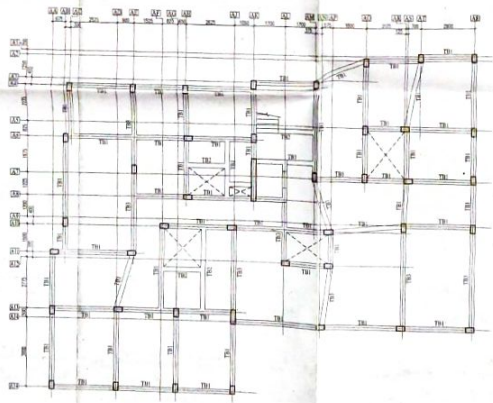
SECTION A-A

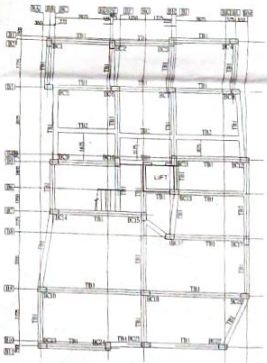


LONG SECTION OF COLUMN SHOWING LINK DETAILS

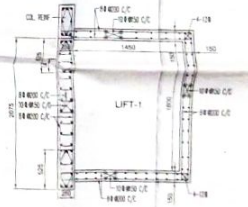


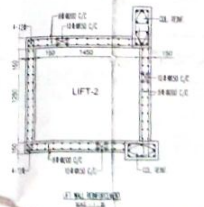
FOUNDATION LAYOUT PLAN

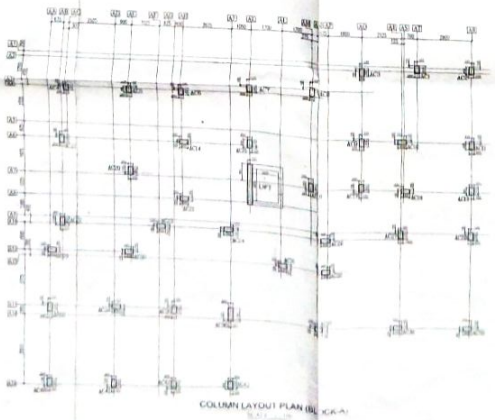




TIE BEAM LAYOUT PLAN (BLOCK-B)

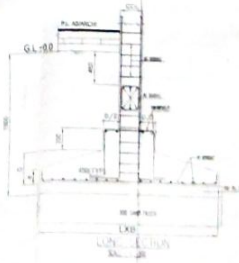






COLUMN LAYOUT PLAN (BLOCK-A)

COLUMN LAYOUT PLAN (BLOCK-B)



LIFT PIT

NOTES

1. ALL DIMENSIONS ARE IN MM
2. CONCRETE GRADE TO BE ADOPTED AS MENTIONED OR OF STEEL Fe 500
3. COVER TO REINFORCEMENT
   COLUMN = 40mm , BEAM = 30mm
   SLAB = 15mm , FOUNDATION = 50mm
4. DEPTH OF EXCAVATION IF UNDER GROUND SUMP SHOULD BE ABOVE THAT OF FOUNDATION
5. DO NOT SCALE THE DRAWING , FOLLOW WITH DIMENSION
6. ALL EXTERNAL WALLS ARE 250mm THK. & INTERNAL WALLS ARE 125 mm THK.
7. LEAN CONCRETE (1:3:6) NOMINAL MIX 75 THK. SHALL BE PROVIDED UNDER FOUNDATION
8. EXTERNAL PLASTER 18mm THK. IN CEMENT MORTER GRADE (1:6)
9. INTERNAL PLASTER 12mm THK. IN CEMENT MORTER GRADE (1:5)
10. ALL CEILING PLASTER 6mm THK. IN CEMENT MORTER GRADE (1:4)
11. 37mm I.P.S. FLOOR FINISH OVER 100mm THK. P.C.C. WORK OVER 75mm THK. BRICK FLAT SOLING.

STRUCTURAL CERTIFICATE

THE STRUCTURAL DESING AND DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT

SUBIR CHANDRA SANYAL
B. C. E., A. M. I., STRUCT. E. (I)
F. E. S. NO. 840, CLASS-I
E. S. E. NO. 037, CLASS-I
RAJPUR-SONARPUR MUNICIPALITY

SIGNATURE OF STRUCTURAL ENGINEER (F.E.S.E. NO. 037)

DECLARATION OF E.B.A

I HAVE CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT BUILDING RULES 1990 AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITIONS INCLUDING THE ABUTTING ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP LAND.

SUBIR CHANDRA SANYAL
B. C. E., A. M. I., STRUCT. E. (I)
F. E. S. NO. 840, CLASS-I
E. S. E. NO. 037, CLASS-I
RAJPUR-SONARPUR MUNICIPALITY

SIGNATURE OF E.B.A

Kallol Kr. Ghoshal B.E. (Civil), MIE
Geo Technical Engineer
Empanelment No.:
028/RJPSPCH/S.T./2019-2020

SIGNATURE OF GEOTECHNICAL ENGINEER

- Pabitra Ghosh.
- Subhasis Mondal
- Ratan Kumar Ghosh.
- Krishna Kumar Ghosh.

SIGNATURE OWNER

PROJECT

STRUCTURAL DRAWING FOR A PROPOSED G +III STORIED RESIDENTIAL BUILDING AT HOLDING NO 1238, TETULBERIA, WARD NO.06, J L NO 44, DAG NO - 269 KHATIAN NO. 390,392,421 AT MOUZA-TETULBERIA, P.S.-SONARPUR, DIST.-24PGS (S), UNDER RAJPUR SONARPUR MUNICIPALITY

NAME OF OWNER :- RATAN KUMAR GHOSH & OTHERS

	DRAWN	SCALE	1:100
	DESIGNED	DATE	06.05.2020
	CHECKED	JOB NO.	
	APPROVED		

Sanyalson Associates
Consultant Pvt. Ltd.
CONSULTANT PLANNER & STRUCTURAL ENGINEERS
KANKINARA PARK, KOLKATA-700

APPROVAL OF S.A.E

OFFICE USE ONLY

Dy. of Assistant Engineer
Municipal Office
RAJPUR-SONARPUR MUNICIPALITY