SCHEDULE OF COLUMN :- (M20 AND FE 500)

COLUMN NOS.	SIZE (MMxMM)	FOUNDATION TO 2ND. FL.	2ND.FL. TO ROOF.	STIRRUPS
C1	250x450	10-16Ø	8-16Ø+2-12Ø	8MM@100CC/C NEAR JUNCTION 8MM@200CC/C IN REMAINING AREA
C2	250x450	10-16Ø	8-16Ø+2-12Ø	
C3	250x450	10-16Ø	8-16Ø+2-12Ø	
C4	250x450	8-16Ø	6-16Ø+2-12Ø	
C5	250x550	12-16Ø	8-16Ø+4-12Ø	
C6	250x450	8-20Ø	4-20Ø+4-16Ø	
C7	250x550	8-20Ø	4-20Ø+4-16Ø	
C8	250x575	12-16Ø	8-16Ø+4-12Ø	
C9	250x725	12-16Ø	8-16Ø+4-12Ø	
C10	250x550	4-20Ø+8-16Ø	12-16Ø	
C11	250x550	4-20Ø+8-16Ø	12-16Ø	
C12	250x450	10-16Ø	8-16Ø+2-12Ø	
C13	250x450	8-16Ø	6-16Ø+2-12Ø	
C14	250x675	12-16Ø	8-16Ø+4-12Ø	
C15	250x675	12-16Ø	8-16Ø+4-12Ø	
C16	250x550	14-16Ø	14-16Ø	
C17	250x450	4-20Ø+4-16Ø	8-16Ø	
C18	250x550	4-20Ø+8-16Ø	10-16Ø	
C19	250x550	10-20Ø	4-20Ø+6-16Ø	
C20	250x550	4-20Ø+4-16Ø	10-16Ø	
C21	250x550	4-20Ø+8-16Ø	10-16Ø	
C22	250x1000	8-16Ø+8-12Ø	8-16Ø+8-12Ø	
C23	250x550	4-20Ø+6-16Ø	10-16Ø	
C24	250x550	10-20Ø	4-20Ø+4-16Ø	
C25	250x550	4-20Ø+4-16Ø	10-16Ø	
C26	250x550	4-20Ø+8-16Ø	10-16Ø	
C27	250x550	10-16Ø	8-16Ø+2-12Ø	
C28	250x450	4-20Ø+4-16Ø	8-16Ø	
C29	200x1000	8-16Ø+8-16Ø	8-16Ø+8-12Ø	
C30	250x550	4-20Ø+6-16Ø	10-16Ø	
C31	250x775	14-16Ø	14-16Ø	
C32	250x450	10-16Ø	8-16Ø+2-12Ø	
C33	250x450	4-20Ø+6-16Ø	10-16Ø	
C34	250x450	10-16Ø	8-16Ø+2-12Ø	
C35	250x550	4-20Ø+6-16Ø	10-16Ø	
C36	250x450	4-20Ø+4-16Ø	8-16Ø	
C37	250x550	4-20Ø+4-16Ø	10-16Ø	
C38	250x550	10-16Ø	8-16Ø+2-12Ø	
C39	250x450	8-16Ø	6-16Ø+2-12Ø	
C40	250x550	4-20Ø+4-16Ø	10-16Ø	
C41	250x450	10-16Ø	8-16Ø+2-12Ø	

SCHEDULE OF SLAB (S1)
SLAB THICKNESS AS MENTIONED :- 115 MM (M20 AND FE 500)
(ALONG SHORTER DIRECTION)

SUPPORT	8mm@ 150mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm@ 165mm c/c at span & alternately curtained at L/4 from beam

SLAB THICKNESS AS MENTIONED :-115 MM (M20 AND FE 500)
(ALONG LONGER DIRECTION)

SUPPORT	8mm@ 165mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm@ 175mm c/c at span & alternately curtained at L/4 from beam

SCHEDULE OF SLAB (S2)
SLAB THICKNESS AS MENTIONED :- 150 MM (M20 AND FE 500)
(ALONG SHORTER DIRECTION)

SUPPORT	8mm@ 125mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm@ 135mm c/c at span & alternately curtained at L/4 from beam

SLAB THICKNESS AS MENTIONED :-150 MM (M20 AND FE 500)
(ALONG LONGER DIRECTION)

SUPPORT	8mm@ 135mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm@ 150mm c/c at span & alternately curtained at L/4 from beam

SCHEDULE OF SLAB (S3)
SLAB THICKNESS AS MENTIONED :- 125 MM (M20 AND FE 500)
(ALONG SHORTER DIRECTION)

SUPPORT	8mm@ 125mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm@ 135mm c/c at span & alternately curtained at L/4 from beam

SLAB THICKNESS AS MENTIONED :-125 MM (M20 AND FE 500)
(ALONG LONGER DIRECTION)

SUPPORT	8mm@ 135mm c/c at top of support & extended upto L/3 from beam.
SPAN	8mm@ 150mm c/c at span & alternately curtained at L/4 from beam

SCHEDULE OF TIE BEAM (M20 AND FE 500)

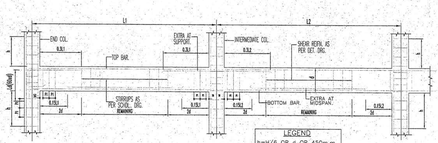
BEAM MARK.	SIZE (MMxMM)	TOP		BOTT.		STIRRUPS (2 LEGGED)	
		ALTH	EXTCAT SUPT.)	ALTH	EXTEND SPAN)	AT SUPPORT	AT SPAN.
TB1/PB1	250x350	2-16Ø+1-12Ø	-	3-16Ø+1-12Ø	-	8Ø@125mm C/C	8Ø@150mm C/C
TB2/PB2	250x350	3-16Ø	-	3-16Ø	-	8Ø@125mm C/C	8 Ø@5mm C/C

SCHEDULE OF 1ST FLOOR TO ROOF (M20 AND FE 500)

BEAM MARK.	SIZE (MMxMM)	TOP		BOTT.		STIRRUPS (2 LEGGED)	
		ALTH	EXTCAT SUPT.)	ALTH	EXTEND SPAN)	AT SUPPORT	AT SPAN.
B1	250x450	2-16Ø	1-16Ø	2-16Ø	1-16Ø	8Ø@125C/C	8Ø@150C/C
B2	250x450	3-16Ø	2-16Ø	2-16Ø	1-16Ø	8Ø@125C/C	8Ø@150C/C
B3	250x550	2-16Ø 1-16Ø	2-16Ø	2-16Ø	1-16Ø	8Ø@125C/C	8Ø@150C/C
B3A	250x550	1-16Ø 1-16Ø	-	4-16Ø	-	8Ø@125C/C	8Ø@150C/C
B4	250x450	3-16Ø 1-16Ø	2-16Ø	2-16Ø	2-16Ø	8Ø@125C/C	8Ø@150C/C
B5	250x450	3-16Ø	2-16Ø	2-16Ø	2-16Ø	8Ø@125C/C	8Ø@150C/C
B6	250x450	3-16Ø	2-16Ø	2-16Ø	1-16Ø	8Ø@125C/C	8Ø@150C/C
B6A	250x450	3-16Ø	-	2-16Ø 1-16Ø	-	8Ø@125C/C	8Ø@150C/C
B7	250x450	3-12Ø	1-16Ø	3-16Ø	-	8Ø@125C/C	8Ø@150C/C
B8	250x450	3-16Ø	2-16Ø	2-16Ø	2-16Ø	8Ø@125C/C	8Ø@150C/C
B9	250x450	3-16Ø	1-16Ø	3-16Ø	-	8Ø@125C/C	8Ø@150C/C
B10	250x450	2-16Ø	2-16Ø	4-16Ø	-	8Ø@125C/C	8Ø@150C/C
B11	250x450	2-16Ø	2-16Ø	3-16Ø	1-16Ø	8Ø@125C/C	8Ø@150C/C
B12	250x550	3-16Ø 1-16Ø	2-16Ø	3-16Ø	2-12Ø	8Ø@125C/C	8Ø@150C/C
B12A	250x550	3-16Ø	-	4-20Ø	-	8Ø@125C/C	8Ø@150C/C
B13	250x550	4-16Ø	-	4-16Ø	-	8Ø@125C/C	8Ø@150C/C
HLB	250x450	3-16Ø	-	3-16Ø	-	8Ø@125C/C	8Ø@150C/C

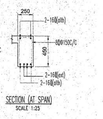
SCHEDULE OF FOUNDATION :-(M20 AND FE 500)

MKD.	SIZE (mm)		DEPTH OF BASE SLAB		REINFORCEMENT	
	W	L	D	d	SHORTER(X)	LONGER(Y)
F1	2300	2300	450	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F2	2500	2500	500	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F3	2600	2600	500	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F4	2700	2700	500	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F5	2800	2800	500	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F6	3000	3000	550	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F7	3100	3100	550	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F8	2600	2400	500	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F9	3400	2600	550	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F10	3200	3200	550	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F11	3500	2500	550	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
F12	3500	3500	550	200	12Ø@125 C/C BOTH. WAYS OF BOTTOM.	
COMB-1	AS SHOWN		450	200	12Ø@125 C/C	10Ø@150 C/C
COMB-2	AS SHOWN		450	200	12Ø@125 C/C	10Ø@150 C/C
COMB-3	AS SHOWN		450	200	12Ø@125 C/C	10Ø@150 C/C
COMB-4	AS SHOWN		450	200	12Ø@125 C/C	10Ø@150 C/C
COMB-5	AS SHOWN		450	200	12Ø@125 C/C	10Ø@150 C/C
COMB-6	AS SHOWN		450	200	12Ø@125 C/C	10Ø@150 C/C
COMB-7	AS SHOWN		450	200	12Ø@125 C/C	10Ø@150 C/C
COMB-8	AS SHOWN		450	200	12Ø@125 C/C	10Ø@150 C/C



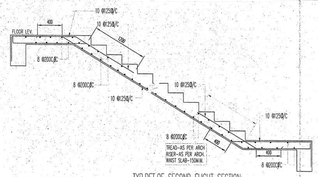
TYPICAL DETAIL OF BEAM COLUMN JUNCTION

DETAIL OF BEAM(B1,2~250x450) ALONG GRID-4
SCALE 1:50

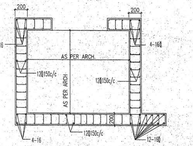


SECTION (AT SUPT)
SCALE 1:25

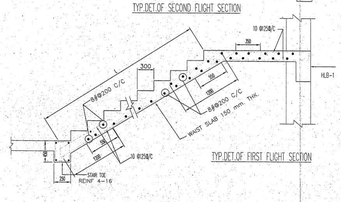
SECTION (AT SPAN)
SCALE 1:25



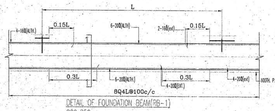
TYP.DET.OF SECOND FLIGHT SECTION



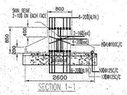
ABOVE PLINTH LEVEL



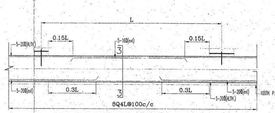
TYP.DET.OF FIRST FLIGHT SECTION



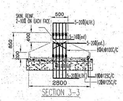
DETAIL OF FOUNDATION BEAM(FB-1)
800x450



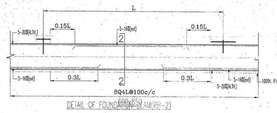
SECTION 1-1



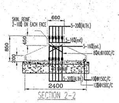
DETAIL OF FOUNDATION BEAM(FB-3)
500x450



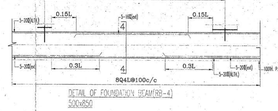
SECTION 3-3



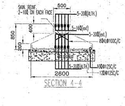
DETAIL OF FOUNDATION BEAM(FB-2)



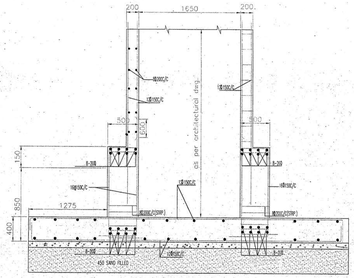
SECTION 2-2



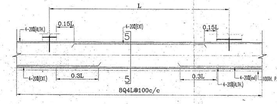
DETAIL OF FOUNDATION BEAM(FB-4)
500x450



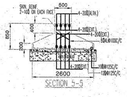
SECTION 4-4



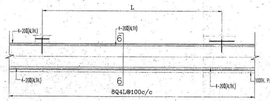
LONG SECTION OF COLUMN
SHOWING LINK DETAILS



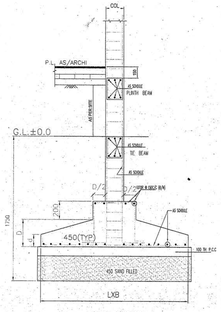
DETAIL OF FOUNDATION BEAM(FB-5)
500x450



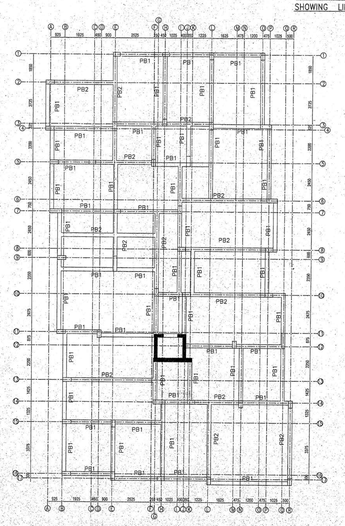
SECTION 5-5

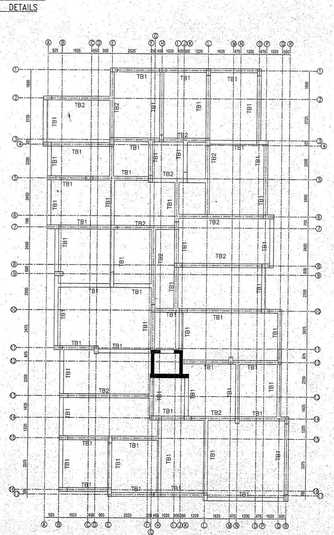


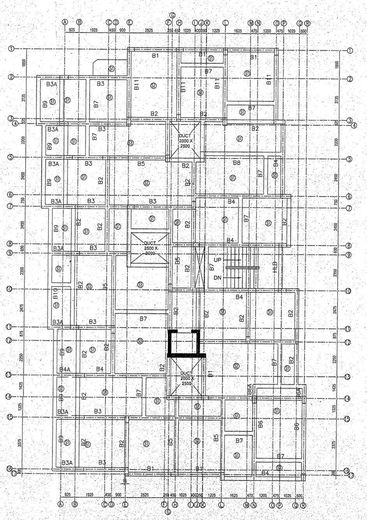
DETAIL OF FOUNDATION BEAM(FB-6)
500x1000

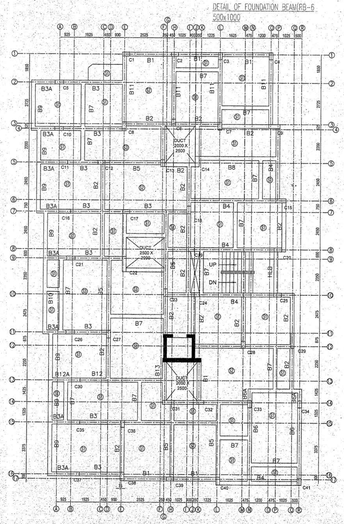


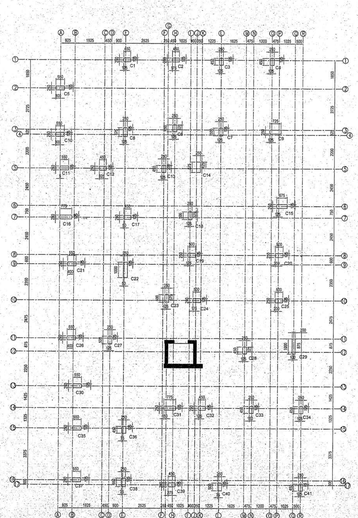
LONG SECTION
SCALE 1:100

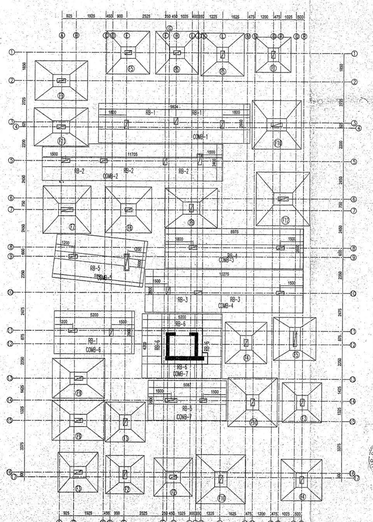

PLINTH BEAM LAYOUT AT -150 MM FROM FFL


TIE BEAM LAYOUT AT EXISTING GR. LEVEL


1ST FLOOR BEAM LAYOUT PLAN


TYPICAL BEAM LAYOUT PLAN


COLUMN LAYOUT PLAN


FOUNDATION LAYOUT PLAN

NOTES

1. ALL DIMENSIONS ARE IN MM.
2. ALL EXTERNAL WALLS ARE 200 TH. AND INTERNAL WALLS ARE 75 TH. IF NOT STATED OTHERWISE.
3. SCALE - 1:100
4. SAFE BEARING CAPACITY OF SOIL 7 MT/SQ.M. ASSUMED
5. DEPTH OF SEPTIC TANK AND SEMI U.G. WATER RESERVOIR WILL NOT EXCEED THE DEPTH OF BUILDING FOUNDATION.
6. ALL SORTS OF PRECAUTIONARY MEASURE WILL BE TAKEN AT THE

SPECIFICATION

1. 75 TH. 1ST. CLASS BRICK SOLING IN FOUNDATION & FLOOR
2. 150 TH. 1:3:6 (CEMENT:SAND & KHOA) CEMENT CONCRETE IN FOUNDATION & FLOOR
3. FOUNDATION BRICK WORK WILL BE 1ST CLASS BRICK WITH 1:6 CEMENT MORTAR
4. 125 TH. & 75 TH. PARTITION BRICK WORK WILL BE 1:5 CEMENT MORTAR
5. 200TH. EXTERNAL WALLS WILL BE 1:6 CEMENT MORTAR
6. 25 TH. D.P.C. WILL BE 1:2:4 WITH PROPER WATER PROOFING COMPOUND
7. R.C.C. CONC. MIX WILL BE 1:2:4 CEMENT SAND & STONE CHIPS MATERIALS AND MIXING
8. ROOF AND LIME TERRACING WILL BE 100 TH. WITH THEIR PROPER
9. CEILING AND ALL R.C. PLASTER WILL BE 12mm. TH. 1:4 CEMENT MORTAR
10. 25 MM. TH. I.P.S. FLOORING
11. GRADE OF CONCRETE M - 20 .
12. ALL BUILDING MATERIALS WILL BE AS PER I.S. CODE & C.P.W.D.1984

STRUCTURAL CERTIFICATE

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

SUBIR C. SANYAL
E.S.E. NO. 007
E.B.A. NO. 056
UNDER RAJPUR-SONARPUR MUNICIPALITY
SIGNATURE OF STRUCTURAL ENGINEER (E.B.S. NO. 007)

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 C. SANYAL
E.B.A. NO. 056
UNDER RAJPUR-SONARPUR MUNICIPALITY
SIGNATURE of E.B.A.

As Lawfully Constituted Attorney of
1) Pawan Kumar Gutgutia
2) Nirmala Devi Gutgutia
3) Ambica Gutgutia
4) Krishna Gutgutia

SUBIR C. SANYAL
E.B.A. NO. 056
UNDER RAJPUR-SONARPUR MUNICIPALITY

SIGNATURE OF OWNER
SIGNATURE OF E.B.A.

PROJECT
PROPOSED PLAN OF G+IV STORIED RESIDENTIAL BUILDING AT HOLDING NO.2018, DAKSHIN KURAIPAKHALI, WARD NO. 27, R.S.KHATIAN NO. 175,261,L.R.KHATIAN NO. 2855,2820, R.S. DAG NO. 1546, 1545 , L.R. DAG NO. 1630 , J.L. NO. 48, AT MOUZA -KUMRAKHALI, P.S.-SONARPUR, DIST.-24PGS (S), UNDER RAJPUR SONARPUR MUNICIPALITY

NAME OF OWNER : RACHANA GUTGUTIA & OTHERS

DRAWN - Bumpa	SCALE - 1:100
DESIGNED -	DATE - 20.05.2014
CHECKED -	JOB NO -
APPROVED	

Sanyalson Associates Consultant Pvt. Ltd.
CONSULTANT PLANNER & STRUCTURAL ENGINEERS
- P-157 - KANUNGO PARK - KOLKATA-84

APPROVAL OF S.A.E
OFFICE USE ONLY

APPROVED
Plan No 462/Engg/14 Dated 04/07/2014
Valid Upto 04/07/2019
Partha Gupta
Municipal Engineer
RAJPUR-SONARPUR MUNICIPALITY