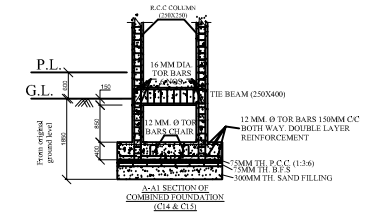
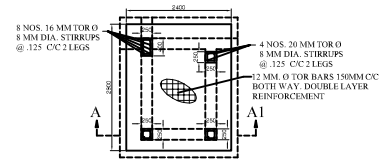
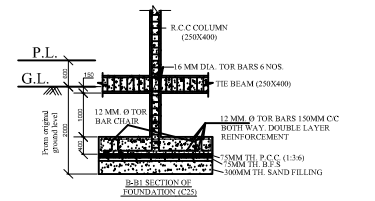
FOOTING SCHEDULE (M25:Fe500)

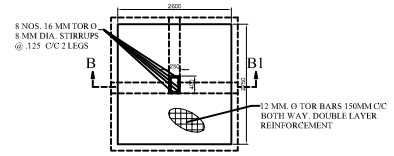
FOOTING NUMBERS	COLUMN NUMBERS	FOOTING TYPE	FOOTING DIMENSION					FOOTING REINFORCEMENT			
								BOTTOM		TOP	
			STEP	L	B	D1	D2	ALONG B	ALONG L	ALONG B	ALONG L
FC1	C1	Pad	-	2450	2600	400	-	11-16@155 C/C	11-16@150 C/C	11-16@265 C/C	11-16@300 C/C
FC2	C2	Pad	-	2450	2600	400	-	11-16@155 C/C	11-16@150 C/C	11-16@265 C/C	11-16@300 C/C
FC3	C3	Pad	-	2250	2400	400	-	11-16@145 C/C	11-16@145 C/C	11-16@275 C/C	11-16@260 C/C
FC4	C4	Pad	-	2450	2600	400	-	11-16@210 C/C	11-16@190 C/C	11-16@300 C/C	11-16@300 C/C
FC5	C5	Pad	-	2800	2950	400	-	11-16@140 C/C	11-16@130 C/C	11-16@250 C/C	11-16@260 C/C
FC6	C6	Pad	-	2950	2800	400	-	11-16@145 C/C	11-16@145 C/C	11-16@275 C/C	11-16@260 C/C
FC7	C7	Pad	-	1950	2100	400	-	11-16@150 C/C	11-16@135 C/C	11-16@255 C/C	11-16@270 C/C
FC8	C8, C9, C14, C15	COMBINED	-	2400	2500	400	-	11-16@130 C/C	11-16@135 C/C	11-16@200 C/C	11-16@245 C/C
FC10	C10	Pad	-	2250	2250	400	-	11-16@185 C/C	11-16@160 C/C	11-16@300 C/C	11-16@295 C/C
FC11	C11	Pad	-	2550	2700	400	-	11-16@120 C/C	11-16@130 C/C	11-16@255 C/C	11-16@250 C/C
FC12	C12	Pad	-	2250	2100	400	-	11-16@160 C/C	11-16@150 C/C	11-16@295 C/C	11-16@275 C/C
FC13	C13	Pad	-	2150	2000	400	-	11-16@160 C/C	11-16@150 C/C	11-16@300 C/C	11-16@295 C/C
FC16	C16	Pad	-	2700	2850	400	-	11-16@155 C/C	11-16@155 C/C	11-16@290 C/C	11-16@270 C/C
FC17	C17	Pad	-	2300	2150	400	-	11-16@160 C/C	11-16@160 C/C	11-16@300 C/C	11-16@300 C/C
FC18	C18	Pad	-	2250	2400	400	-	11-16@150 C/C	11-16@150 C/C	11-16@275 C/C	11-16@295 C/C
FC19	C19	Pad	-	2550	2400	400	-	11-16@145 C/C	11-16@135 C/C	11-16@255 C/C	11-16@240 C/C
FC20	C20	Pad	-	2300	2150	400	-	11-16@135 C/C	11-16@125 C/C	11-16@230 C/C	11-16@240 C/C
FC21	C21	Pad	-	2100	2250	400	-	11-16@135 C/C	11-16@125 C/C	11-16@230 C/C	11-16@240 C/C
FC22	C22	Pad	-	1750	1900	400	-	11-16@135 C/C	11-16@125 C/C	11-16@230 C/C	11-16@240 C/C
FC23	C23	Pad	-	2050	2200	400	-	11-16@135 C/C	11-16@125 C/C	11-16@230 C/C	11-16@240 C/C
FC24	C24	Pad	-	2250	2400	400	-	11-16@135 C/C	11-16@125 C/C	11-16@230 C/C	11-16@240 C/C
FC25	C25	Pad	-	2600	2750	400	-	11-16@135 C/C	11-16@125 C/C	11-16@230 C/C	11-16@240 C/C



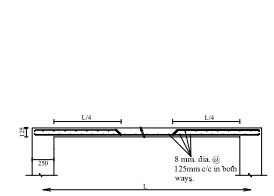


R.C.C. COLUMN (C8, C9, C14, C15)
COMBINED FOUNDATION
SCALE :- 1:2

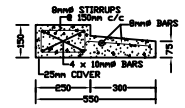




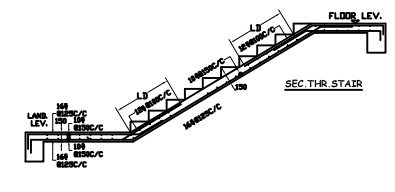
R.C.C. COLUMN (C25)
FOUNDATION
(250X400) SCALE :- 1:2



DETAILS OF RCC ROOF

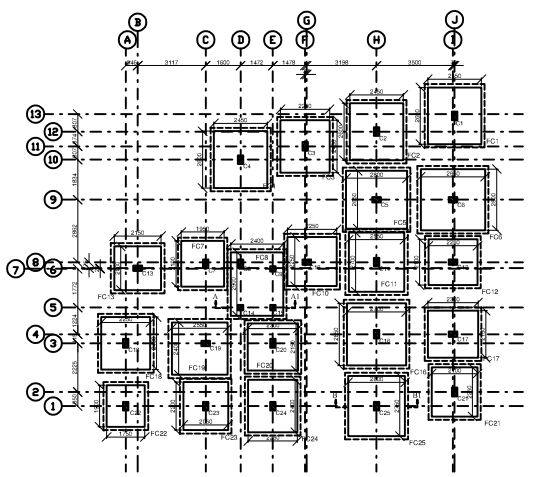


DETAILS OF LINTEL SECTION

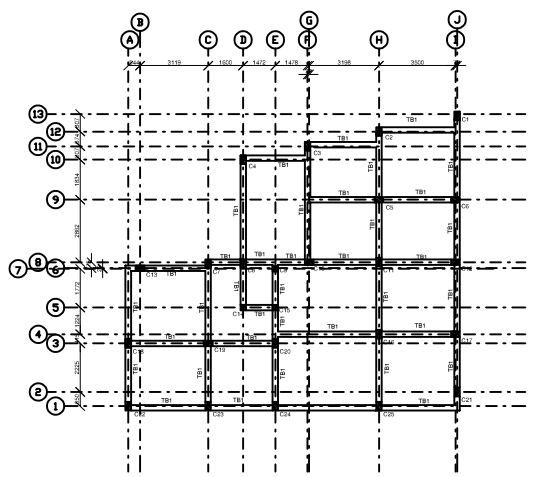


DESIGN TABLE FOR BEAM

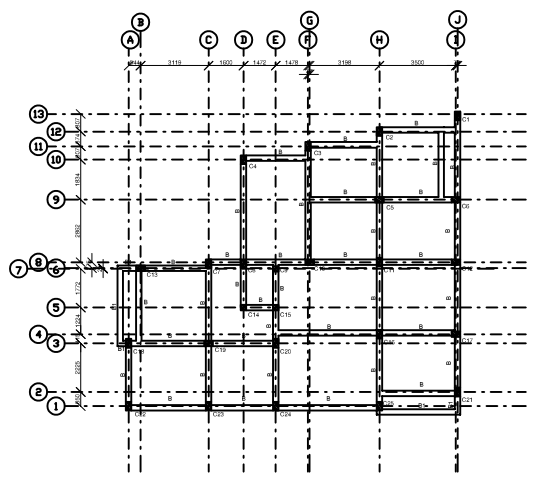
BEAM MARKING AS IN STRUCTURAL PLAN	SIZE b X D mmXmm	SUPPORT		SPAN		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
B	250X400	4-16Ø	2 -16Ø	2 -16Ø	4-16Ø	8R-2L@ 150 mm c/c
B1	250X300	3-16Ø	2 -16Ø	2 -16Ø	3-16Ø	8R-2L@ 150 mm c/c
TB1	250X400	3-16Ø	3 -16Ø	3 -16Ø	3-16Ø	8R-2L@ 150 mm c/c



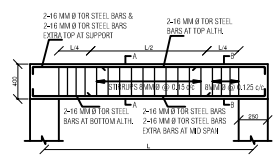
FOUNDATION LAY OUT PLAN



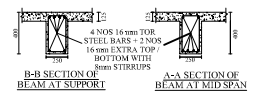
TIE BEAM PLAN AT GROUND LEVEL



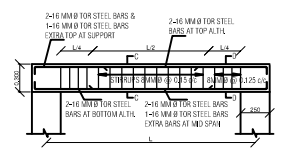
BEAM PLAN AT TYPICAL FLOOR LEVEL



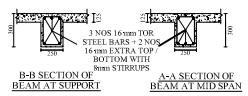
LONGITUDINAL SECTION OF BEAM (B)



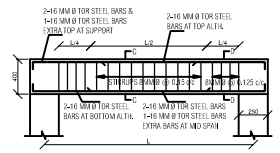
B-B SECTION OF BEAM AT SUPPORT
A-A SECTION OF BEAM AT MID SPAN



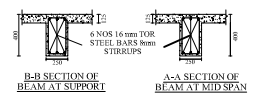
LONGITUDINAL SECTION OF BEAM (B1)



B-B SECTION OF BEAM AT SUPPORT
A-A SECTION OF BEAM AT MID SPAN



LONGITUDINAL SECTION OF BEAM (TB1)



B-B SECTION OF BEAM AT SUPPORT
A-A SECTION OF BEAM AT MID SPAN

GRADE OF CONC: M25
GRADE OF STEEL: Fe500

& ABOVE	SIZE								250 X 400	250 X 250						250 X 250	250 X 250												
TO	STEEL								8-T16	4-T20						4-T20	4-T20												
14.7M	LINKS								1Ø@125 C/C	1Ø@125 C/C						1Ø@125 C/C	1Ø@125 C/C												
14.7M	SIZE			250 X 400	250 X 400				250 X 400	250 X 250	250 X 400					250 X 250	250 X 250												
TO	STEEL			8-T16	8-T16				8-T16	4-T20	8-T16					4-T20	4-T20												
12.2M	LINKS			1Ø@125 C/C	1Ø@125 C/C				1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C					1Ø@125 C/C	1Ø@125 C/C												
12.2M	SIZE	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 250	250 X 400	250 X 400	250 X 400	250 X 400	250 X 250	250 X 250	250 X 250	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400
TO	STEEL	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	4-T20	8-T16	8-T16	8-T16	8-T16	4-T20	4-T20	4-T20	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16
9.15M	LINKS	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C
9.15M	SIZE	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 250	250 X 400	250 X 400	250 X 400	250 X 400	250 X 250	250 X 250	250 X 250	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400
TO	STEEL	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	4-T20	8-T16	8-T16	8-T16	8-T16	4-T20	4-T20	4-T20	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16
6.10M	LINKS	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C
3.05M	SIZE	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 250	250 X 400	250 X 400	250 X 400	250 X 400	250 X 250	250 X 250	250 X 250	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400
TO	STEEL	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	4-T20	8-T16	8-T16	8-T16	8-T16	4-T20	4-T20	4-T20	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16
0M	LINKS	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C
-1.5M	SIZE	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 250	250 X 400	250 X 400	250 X 400	250 X 400	250 X 250	250 X 250	250 X 250	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400	250 X 400
TO	STEEL	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	4-T20	8-T16	8-T16	8-T16	8-T16	4-T20	4-T20	4-T20	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16	8-T16
0M	LINKS	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C	1Ø@125 C/C
COLUMN MARKED		C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24	C25			

COLUMN SCHEDULE

1. /
2. /
3. /
4. IF ANY DISCREPANCY IS FOUND IN THE DRAWING IT SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE ARCHITECT/ ENGINEER BEFORE COMMENCENT OF THE WORK.
5. ALL REINFORCING BAR WILL CONFORMS TO GRADE Fe-500 OF I.S. 1786-1979 (H.Y.S.D.BAR).
6. CONCRETE SHALL BE FOLLOWING GRADE AS PER I.S. : 456-2000
   a) FOUNDATION- M25 b) SUPERSTRUCTURE - M25
7. CLEAR COVER TO MAIN REINFORCEMENT :
   a) FOUNDATION - 50 b) COLUMNS - 40 c) FOUNDATION BEAMS -50.
   c) FLOOR BEAMS - 25 d) FLOOR SLAB - 20
8. LAP LENGTH OF TENSILE REINFORCEMENT SHOULD BE 50 X D AND IN COMPRESSION 40 X D WHERE "D" IS THE SMALLER DIAMETER OF BAR.

SIGNATURE OF OWNER

APPROVED BY

SIGNATURE OF STRUCTURAL ENGINEER

STRUCTURAL PLAN FOR G+III STORIED RESIDENTIAL FLAT BUILDING OF (1) SANGEETA BARUI, W/O ARUN KUMAR BARUI, (2) RAAJ BARUI, S/O ARUN KUMAR BARUI, AT MOUZA - GOPALNAGAR, J.L. NO.- 78, R.S. PLOT NO.- 71, L.R. PLOT NO. - 71, L.R. KHATIAN NO.- 2824, 2833, WARD NO. -12, MAHALLA - KANAINATSAL EAST, HOLDING NO.- 4/1, UNDER BURDWAN MUNICIPALITY, P.S. BARDHAMAN, DIST. PURBA BARDHAMAN.

TITLE :-
STRUCTURAL DETAILS OF FOUNDATIONS, FLOOR BEAMS,FLOOR SLAB, FOOTINGS,COLUMN,STAIR ETC.

SCALE 1:100,25