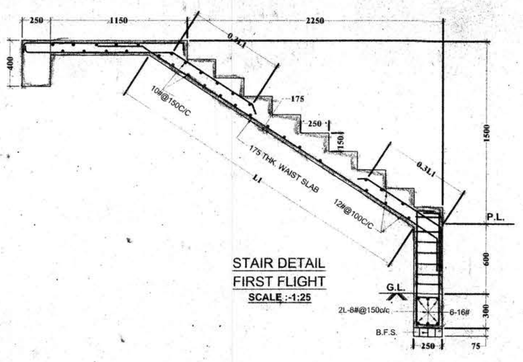
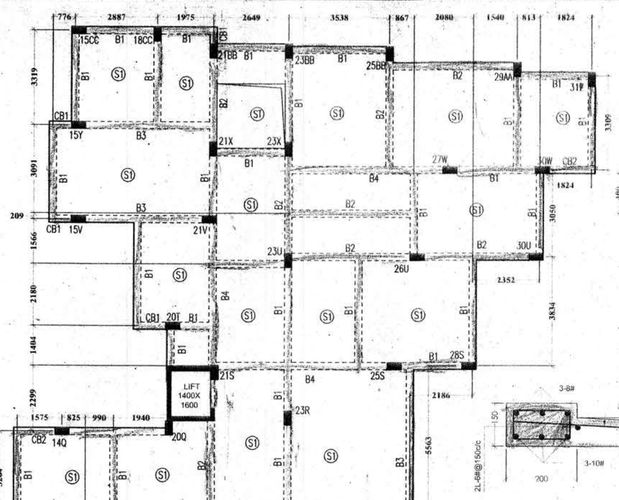
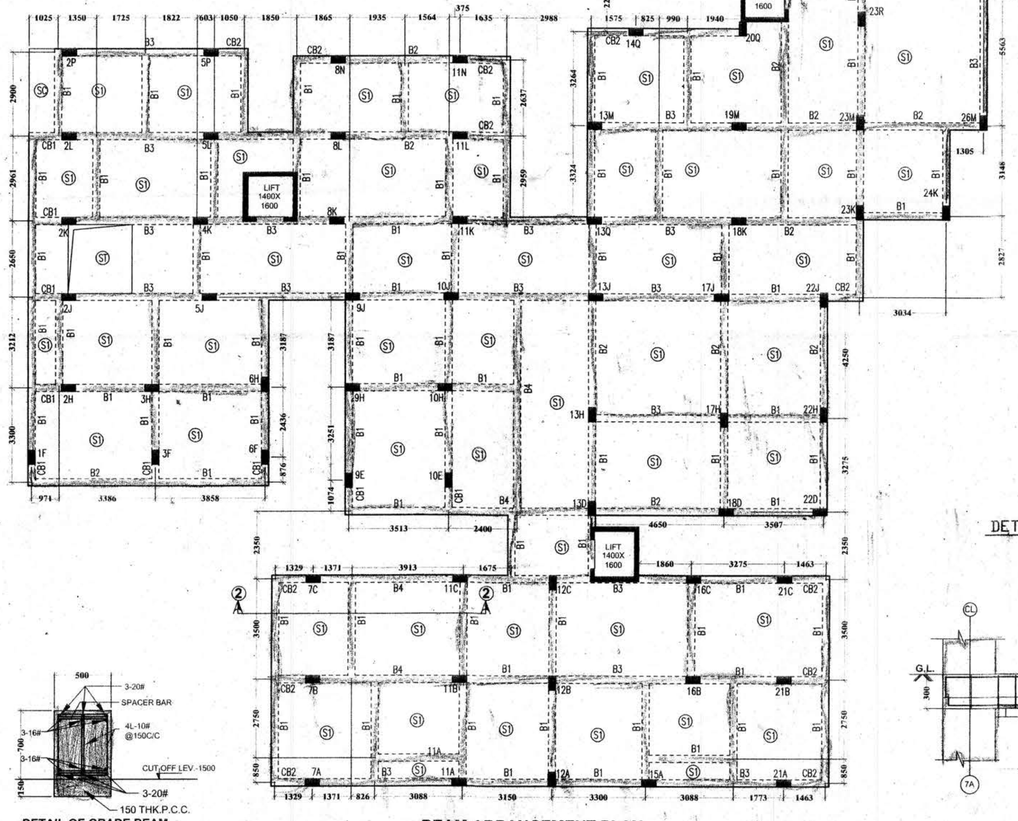
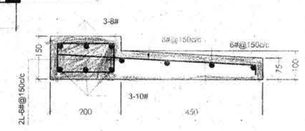
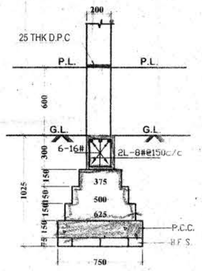




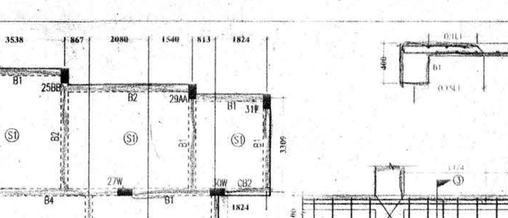




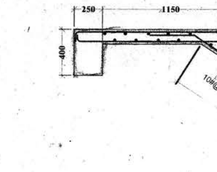
DETAIL OF LINTEL & CHAJJA
SCALE :-1:10



200 THK WALL
DETAIL OF WALL FOUNDATION
SCALE-1:25

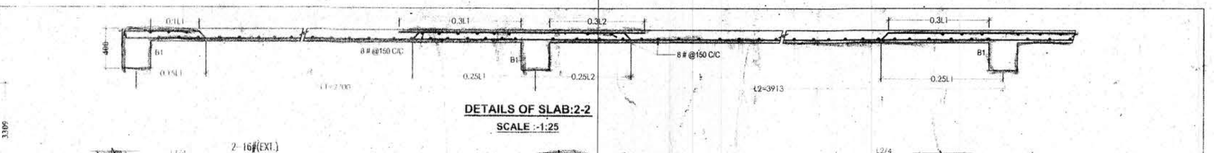


DETAIL OF TIE BEAM
SCALE :-1:25



DETAIL OF GRADE BEAM
SCALE :-1:25

BEAM ARRANGEMENT PLAN
AT TYPICAL FLOOR LEVEL.
SCALE-1:100

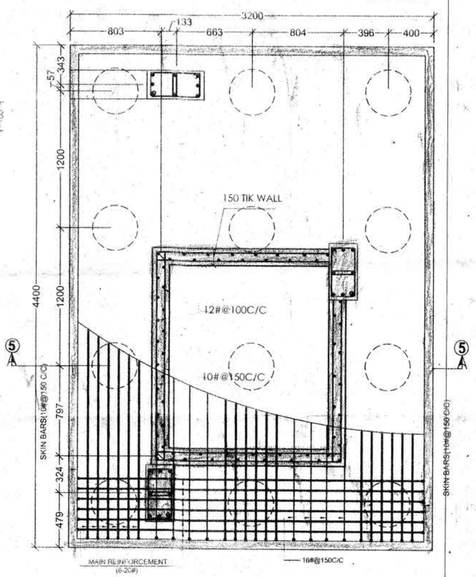


DETAILS OF SLAB:2-2
SCALE :-1:25

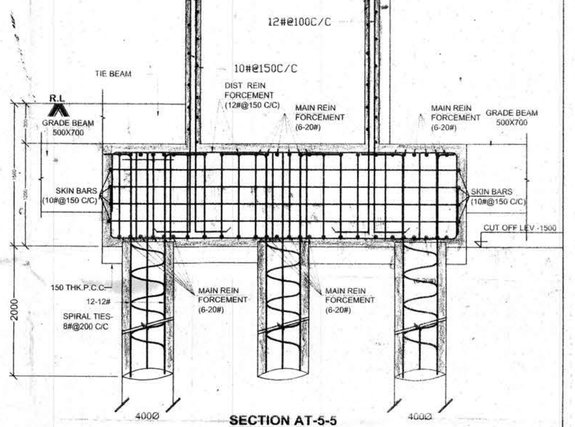
DETAIL OF BEAM MKD--B1,B2
SCALE:-1:25

SEC AT-4-4
SCALE:-1:25

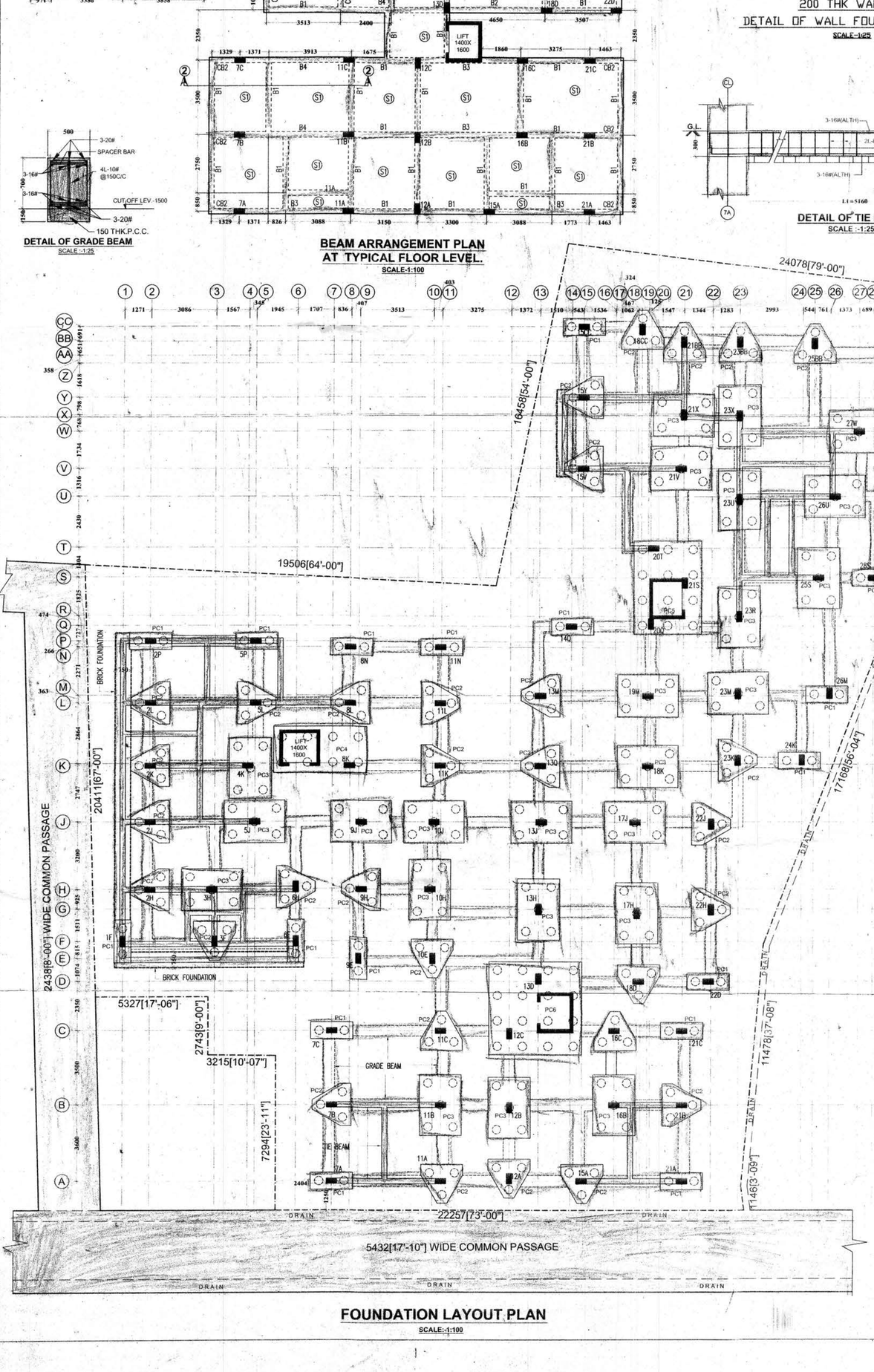
SEC AT-3-3
SCALE:-1:25



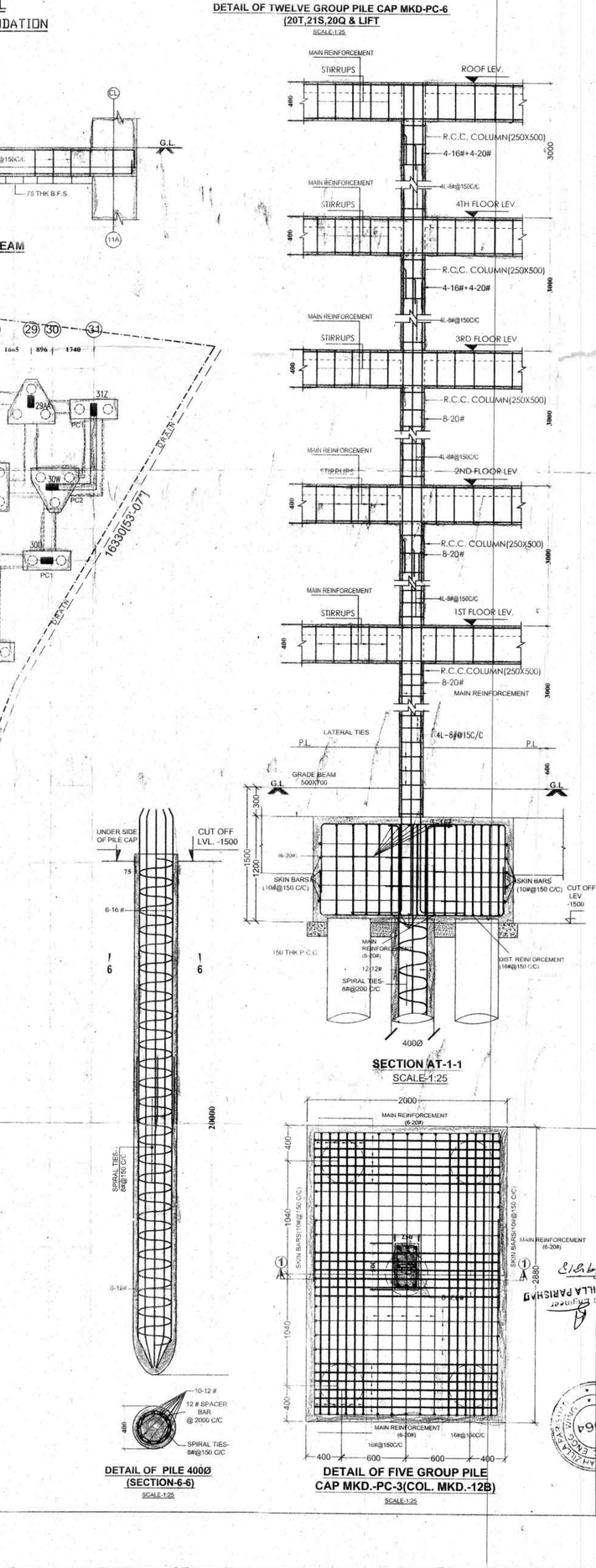
DETAIL OF TWELVE GROUP PILE CAP MKD-PC-6
(20T,21S,20Q & LIFT
SCALE:1:25



SECTION AT-5-5
SCALE :-1:25

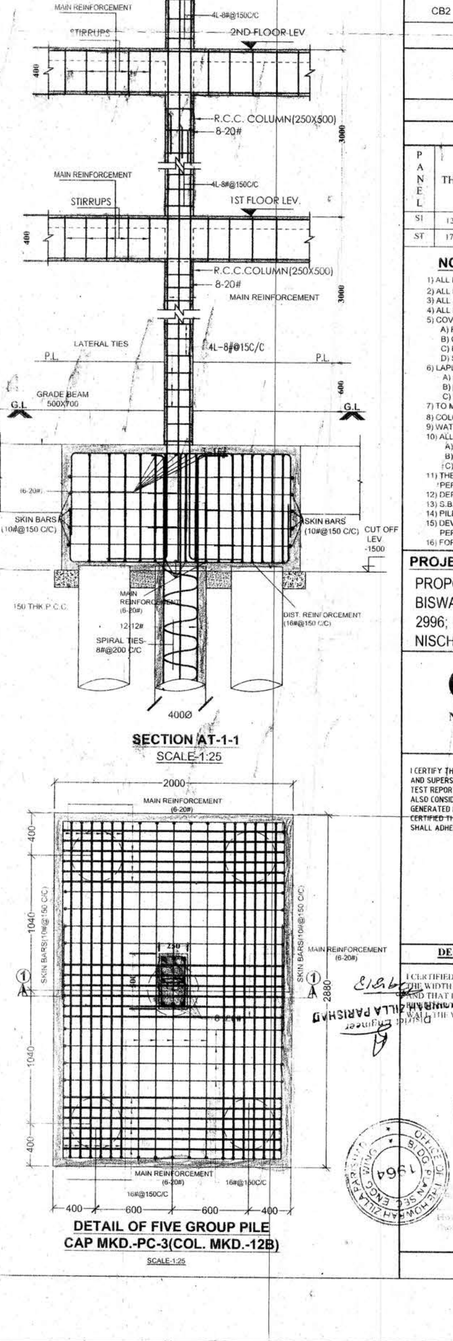


FOUNDATION LAYOUT PLAN
SCALE:-1:100



SECTION AT-1-1
SCALE-1:25

DETAIL OF PILE 400Ø
(SECTION-6-6)
SCALE-1:25



DETAIL OF FIVE GROUP PILE
CAP MKD.-PC-3(COL. MKD.-12B)
SCALE-1:25

SCHEDULE OF PILE CAP

CAP MKD	COLUMN MKD	NO. OF PILE	CUT OF LEV.	SIZE	T H K.	MAINRE-INFORCEMENT		
						MAIN BAR	DISTRIBUTARY	SKIN BAR
PC-1	15CC,31Z,30U,28S,14Q,2P, 5P,8N,11N,26M,24K,1F,6F, 9F,22D,7C,21C,7A,21A.	2	-1500	2000X800	1100	6-16#	12#@150C/C	10#@150C/C
PC-2	18CC,21BB,23BB,25BB,15Y, 30W,15V,2L,5L,8L,11L,13M, 2K,11K,13Q,23K,2J,22J,2H, 6H,9H,22H,3F,10E,18D,11C, 16C,7B,21B,11A,12A,15A.	3	-1500	2100 EQ. TRANG.	1200	6-16#	12#@150C/C	10#@150C/C
PC-3	21X,23X,27W,21,23U,26U, 25S,23R,19M,23M,4K,18K, 5J,9J,10J,13J,17J,3H,10H, 13H,17H,11B,12B,16B	5	-1500	2000X2880	1200	6-16#	12#@150C/C	10#@150C/C
PC-4	8K & LIFT.	8	-1500	2200X4400	1200	6-16#	12#@150C/C	10#@150C/C
PC-5	20T,21S,20Q & LIFT.	8	-1500	3200X4400	1200	6-16#	12#@150C/C	10#@150C/C
PC-6	13D,12C & LIFT.	16	-1500	4400X4400	1200	6-16#	12#@150C/C	10#@150C/C

SCHEDULE OF PILE

DIA OF PILE	LENGTH OF PILE FROM EGL	MAINRE-INFORCEMENT	SPIRAL TIES	SPACER BAR
400	20000	10-12#	8#@150 C/C	12 # SPACER BAR @ 2000 C/C

SCHEDULE OF COLUMN

COLUMNMKD.	SIZE	MAIN RE-INFORCEMENT		LATERAL TIES
		UP TO3RD FLOOR LEV	ABOVE 3RD FLOOR LEV. TO ROOF	
ALL	250X500	8-20#	4-16#+4-20#	4L-8#@150C/C
SC	250X250	4-16 #		2L-8#@150C/C

SCHEDULE OF BEAM

BEAM MKD	SIZE	MAIN RE INFORCEMENT				STIRRUPS	
		SUPPORT		SPAN		SUPPORT	SPAN
		TOP	BOTT	TOP	BOTT		
B1	250X400	4-16#	2-16#	2-16#	4-16#	2L-8#@150 C/C	2L-8#@150 C/C
B2	250X400	5-16#	3-16#	3-16#	5-16#	2L-8#@150 C/C	2L-8#@150 C/C
B3	250X450	6-16#	3-16#	3-16#	6-16#	2L-8#@150 C/C	2L-8#@150 C/C
B4	250X450	3-16# + 3-20#	3-20#	3-20#	3-16# + 3-20#	2L-8#@150 C/C	2L-8#@150 C/C
CB1	250X450-550	6-16#	3-16#	6-16#	3-16#	2L-8#@150 C/C	2L-8#@150 C/C
CB2	250X450-600	3-16# 3-20#	3-16#	3-16# 3-20#	3-16#	2L-8#@150 C/C	2L-8#@150 C/C

SCHEDULE OF TIE BEAM

BEAM MKD.	SIZE	MAIN RE-INFORCEMENT				STIRRUPS	
		SUPPORT		SPAN		SUPP	SPAN
		TOP	BOTT	TOP	BOTT		
ALL	250 X 300	3-16#	3-16#	3-16#	3-16#	2L-8#@150C/C	2L-8#@150C/C

SCHEDULE OF SLAB

PANEL	THK.	MAINREINFORCEMENT							
		SHORTER				LONGER			
		SUPP		SPAN		SUPP		SPAN	
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM
ST	125	8#@100C/C	8#@100C/C	X	8#@100C/C	8#@100C/C	8#@100C/C	X	8#@100C/C
ST	175	DIST. STEEL-10#@150C/C				MAIN STEEL-12#@150C/C			

NOTES/SPECIFICATION

1) ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED.
2) ALL P.C.C SHOULD BE IN 1:4:8 MIX.
3) ALL R.C.C ELEMENTS SHOULD BE M-25(1:1:2)
4) ALL REBARS USED SHOULD BE Fe- 500 OR MORE.
5) COVERS SHOULD BE MAINTAINED AS BELOW
   A) FOUNDATION & UNDER GL.---75 MM. IN ALL FACES.
   B) COLUMNS ----------40 MM. IN ALL FACES.
   C) BEAMS----------25 MM. IN ALL FACES.
   D) SLAB----------15 MM. IN ALL FACES.
6) LAP LENGTH SHOULD BE AS BELOW.-
   A) 50 # IN COMPRESION & 55 # IN TENSION
   B) BAR BENDING & FIXING SHOULD BE CONFORMING TO IS 2502-1963
   C) BINDING WIRE MUST BE BLACK ANNEALED WIRES CONFORMING TO IS 280.
7) TO MAINTAIN COVER, COVER BLOCKS OF APPROPRIATE DIMENSIONS RECOMMENDED.
8) COLUMN BARS SHOULD BE LAPPED IN MIDDLE 1/3rd OF THE CLEAR FREE HEIGHT.
9) WATER SHOULD BE USED POTABLE.
10) ALL EXTERNAL AND INTERNAL INFILLS ARE IN:-
    A)TRADITIONAL RED BRICKS---------- X
    B) AAC BLOCKS---------- X
    C) CONCRETE HOLLOW BLOCKS---------- X
11) THE WHOLE STRUCTURAL DESIGN IS DONE CONSIDERING ALL POSSIBLE LOADS AS PER IS 456-2000 AND ALSO CONSIDERING AVAILABLE SOIL INVESTIGATION REPORT.
12) DEPTH OF FOUNDATION---------- X
13) S.B.C AVAILABLE---------- X
14) PILE FOUNDATION RECOMMENDED---------- X
15) DEVIATION IN STRUCTURAL PLAN & DESIGN SHOULD NOT BE DONE WITHOUT PRIOR PERMISSION FROM CONCERNED STRUCTURAL ENGINEER
16) FOR OTHER DETAIL REFER OTHER ARCHITECTURAL DRAWING AT SHEET NO.- 1/2.

PROJECT:-

PROPOSED G + IV STORIED RESIDENTIAL BUILDING OF SRI BISWANATH BANERJEE AND OTHERS AT R.S. DAG NO. 2995, 2996; R.S. KH. NO.2611, 7398, J.L. NO. 14; MOUZA -BALLY, P.S. NISCHINDA, DIST.- HOWRAH.

NORTH

ARCHITECTURAL DETAILS

DATE	SCALE	SHEET NO
06.04.2018	1:100, 1:50, 1:25,	3/3

I CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT. AS PER THE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS, WIND, SEISMIC LOAD AND MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER BIS AND NBC OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS AND THESE PROVISIONS SHALL ADHERE TO DURING THE CONSTRUCTION.

SIG. OF STR. ENG.

DECLARATION OF L.B.S.

I CERTIFIED THAT THE SITE CONDITION INCLUDING THE WIDTH OF ABUTTING ROAD CONFIRM WITH PLAN AND THAT IS A BUILDABLE SITE AND NOT A TANK OR WATER BODY. THE PLOT IS BOUNDED BY BOUNDARY WALL. THE WIDTH OF THE ROAD IS 5.432 MT.

SIG. OF L.B.S.

DECLARATION OF OWNER

WE DO HERE BY DECLARE THAT WE SHALL PROVIDED NECESSARY PLANTATION AS PER SANCTION PLAN AND WE SHALL MAINTAIN THE SAID PLANTATION AT OUR OWN COST IN FUTURE.

"Constituted Power Of Attorney of...
Bishnu Prasad Roy, Rama Prasad Roy,
Debu Prasad Roy, Krishna Mazumder, Bipab Brahma
Lakshmi Nag & Biswanath Banerjee

SIG. OF APPLICANT