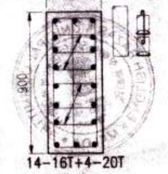
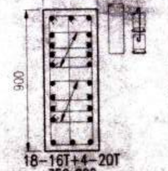
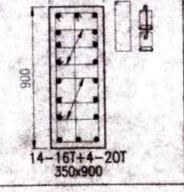
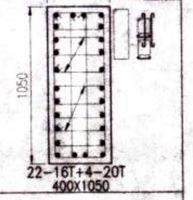
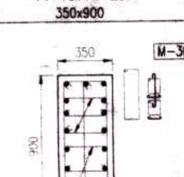
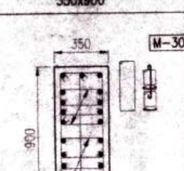
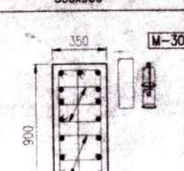
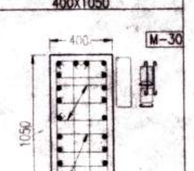
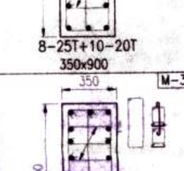
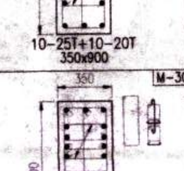
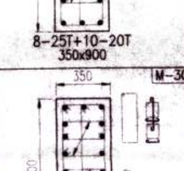
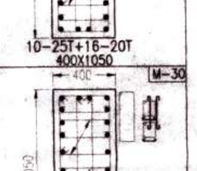
SCHEDULE OF COLUMN

ROOF FL. LVL. TO 5TH FL. LVL.	 14–16T+4–20T 350x900	 18–16T+4–20T 350x900	 14–16T+4–20T 350x900	 22–16T+4–20T 400X1050
5TH FL. LVL. TO 2ND FL. LVL.	 8–25T+10–20T 350x900	 10–25T+10–20T 350x900	 8–25T+10–20T 350x900	 10–25T+16–20T 400X1050
2ND FL. LVL. TO FOUNDATION LEVEL	 14–25T+4–20T 350x900	 18–25T+4–20T 350x900	 16–25T+2–20T 350x900	 24–25T+2–20T 400X1050
COLUMN MKD.	C1,C6,C7,C20,C21, C4,C13,C14,C25	C10,C29,C3,C17,C24,C15, C16,C27	C2,C5,C8,C9,C28, C26	C11,C19,C22,C12, C18,C23

6 T FOR CLOSED LINKS & 10 T FOR OPEN LINKS (SPACING AS SHOWN IN SECTION)

SCHEDULE OF PILE CAP (500ø)

PILE CAP MKD.	SIZE L	SIZE B	THICKNESS	REINFORCEMENT ALONG LONG DIRECTION (BOTT.) (a)	ALONG SHORT DIRECTION (BOTT.) (b)	ALONG LONG DIRECTION (TOP)	ALONG SHORT DIRECTION (TOP)	SIDE FACE	CUT-OF LEV. FRM BSMNT FL. LVL.
SP	2400	2400	1250	16T@200C/C	16T@150C/C	12T @ 150 C/C	12T @ 150 C/C	12T @ 150 C/C	(-)1150
SP	2400	3400	1250	16T@150C/C	16T@150C/C	12T @ 150 C/C	12T @ 150 C/C	12T @ 150 C/C	(-)1150
SP	3000	3400	1250	16T@150C/C	16T@150C/C	16T @ 150 C/C	16T @ 150 C/C	12T @ 150 C/C	(-)1150
SP	3000	4000	1250	16T@150C/C	16T@150C/C	16T @ 150 C/C	16T @ 150 C/C	12T @ 150 C/C	(-)1150
TP	3000	4000	1250	16T@150C/C	16T@150C/C	20T@125C/C	16T @ 150 C/C	12T @ 150 C/C	(-)1150
HP	3000	4000	1500	20T@150C/C	20T@150C/C	20T@125C/C	16T @ 150 C/C	12T @ 150 C/C	(-)1150
4HP	SET PLAN		1450	20T@150C/C	20T@125C/C	16T @ 150 C/C	16T @ 125 C/C	12T @ 150 C/C	(-)1150

SCHEDULE OF TYPICAL FLOORS BEAMS(GRADE OF CONCRETE-M30) FRM GROUND -2ND FL.LVL.

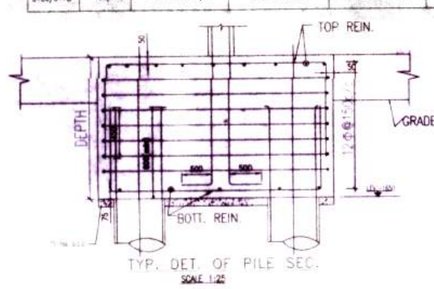
BEAM MKD.	BEAM TYPE	ELEVATION TOP OF CONC. (w)	SIZE WIDTH (B)	SIZE DEPTH (D)	BOTTOM REINFORCEMENT ALLTHROUGH (d)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	TOP REINFORCEMENT ALLTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	(c)	(f)	STIRRUPS (S1)	STIRRUPS (S2)	SIDE FACE REINF. EACH FACE (g)
B-1	TYPE-UI	REF. PLAN	300	650	3-T20	3-T20	3-T20	3-T20+2-T25	3-T20+2-T25	3-T20+2-T20	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-2	TYPE-UI	REF. PLAN	300	650	3-T20	3-T20	3-T20	3-T20+2-T25	3-T20+2-T25	3-T20+2-T20	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-3	TYPE-UI	REF. PLAN	150	650	2-T20	2-T25	2-T20	2-T20+2-20T	2-T20	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-4	TYPE-UI	REF. PLAN	300	450	3-T16	2-T16	3-T16	2-T16	2-T16	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-5	TYPE-UI	REF. PLAN	300	450	3-T16	2-T20	3-T16	2-T20	2-T20	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-6	TYPE-UI	REF. PLAN	200	450	2-T16	2-T16	2-T16	2-T16	2-T16	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-1A	TYPE-UI	REF. PLAN	300	700	3-T20	3-T25	3-T20	3-T25+2-25T	3-T25+2-25T	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-2A	TYPE-UI	REF. PLAN	300	700	3-T20	3-T25	3-T20	3-T25+2-25T	3-T25+2-25T	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—

SCHEDULE OF TYPICAL FLOORS BEAMS(GRADE OF CONCRETE-M30)FRM 3RD FL.LVL.-END

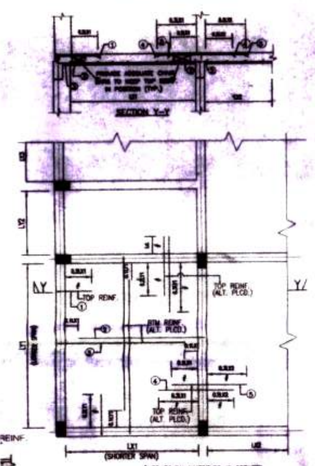
BEAM MKD.	BEAM TYPE	ELEVATION TOP OF CONC. (w)	SIZE WIDTH (B)	SIZE DEPTH (D)	BOTTOM REINFORCEMENT ALLTHROUGH (d)	BOTTOM REINFORCEMENT EXTRA AT SPAN (e)	TOP REINFORCEMENT ALLTHROUGH (a)	TOP REINFORCEMENT EXTRA AT SUPPORT (b)	(c)	(f)	STIRRUPS (S1)	STIRRUPS (S2)	SIDE FACE REINF. EACH FACE (g)
B-1	TYPE-UI	REF. PLAN	300	550	3-T20	3-T20	3-T20	3-T20+2-T25	3-T20+2-T20	3-T20+2-T20	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-2	TYPE-UI	REF. PLAN	300	550	3-T20	3-T20	3-T20	3-T20+2-T25	3-T20+2-T20	3-T20+2-T20	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-3	TYPE-UI	REF. PLAN	150	650	2-T20	2-T25	2-T20	2-T20+2-20T	2-T20	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-4	TYPE-UI	REF. PLAN	300	450	3-T16	2-T16	3-T16	2-T16	2-T16	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-5	TYPE-UI	REF. PLAN	300	450	3-T16	2-T20	3-T16	2-T20	2-T20	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-6	TYPE-UI	REF. PLAN	200	450	2-T16	2-T16	2-T16	2-T16	2-T16	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-1A	TYPE-UI	REF. PLAN	300	700	3-T20	3-T25	3-T20	3-T25+2-25T	3-T25+2-25T	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—
B-2A	TYPE-UI	REF. PLAN	300	700	3-T20	3-T25	3-T20	3-T25+2-25T	3-T25+2-25T	—	2L-T8 @ 100 C/C	2L-T8 @ 150 C/C	—

SCHEDULE OF SLAB(CONC GR-M30) REINFORCEMENT

PANEL MKD.	SLAB THK.	ALONG SHORT DIRECTION: END SUPPORT (TOP)	ALONG SHORT DIRECTION: SPAN (BOTTOM)	ALONG SHORT DIRECTION: CONTINUOUS SUPPT. (TOP)	ALONG LONG DIRECTION: END SUPPORT (TOP)	ALONG LONG DIRECTION: SPAN (BOTTOM)	ALONG LONG DIRECTION: CONTINUOUS SUPPT. (TOP)
S125	125	T10 @ 150 C/C	T10 @ 150 C/C	T10 @ 125 C/C	T10 @ 150 C/C	T10 @ 200 C/C	T10 @ 150 C/C
S150/S175	150/175	T10 @ 150 C/C	T10 @ 150 C/C	T10 @ 100 C/C	T10 @ 150 C/C	T10 @ 200 C/C	T10 @ 150 C/C

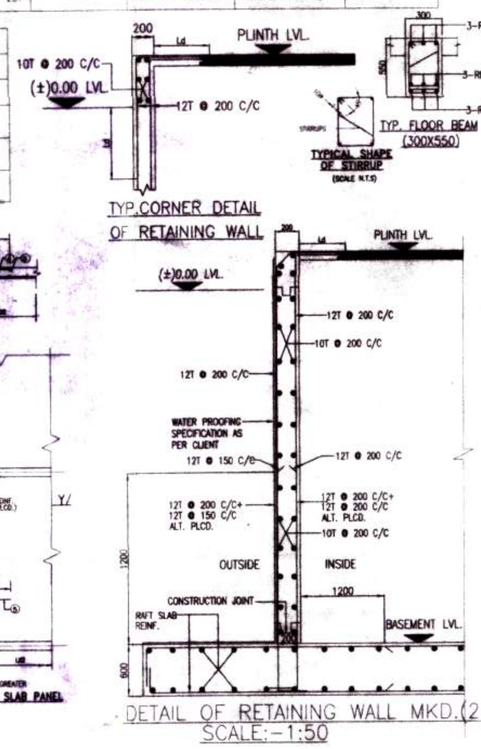


TYP. DET. OF PILE SEC.
SCALE 1:25

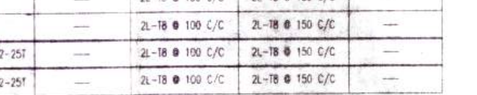


TYP. ARRANGEMENT OF REINF. IN A SLAB PANEL

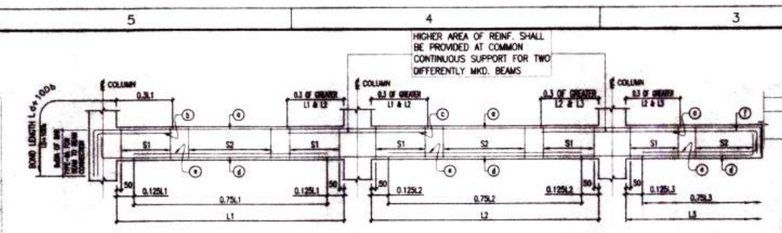
PLAN
TYP. BAR WELDING DETAILS



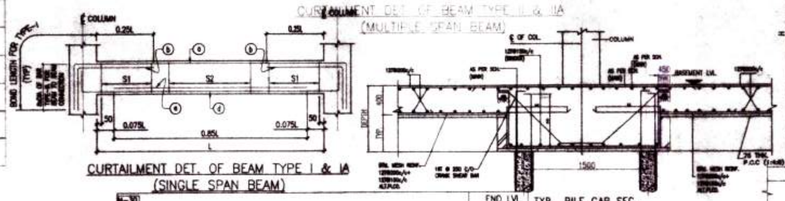
DETAIL OF RETAINING WALL MKD.(2-2)
SCALE:-1:50



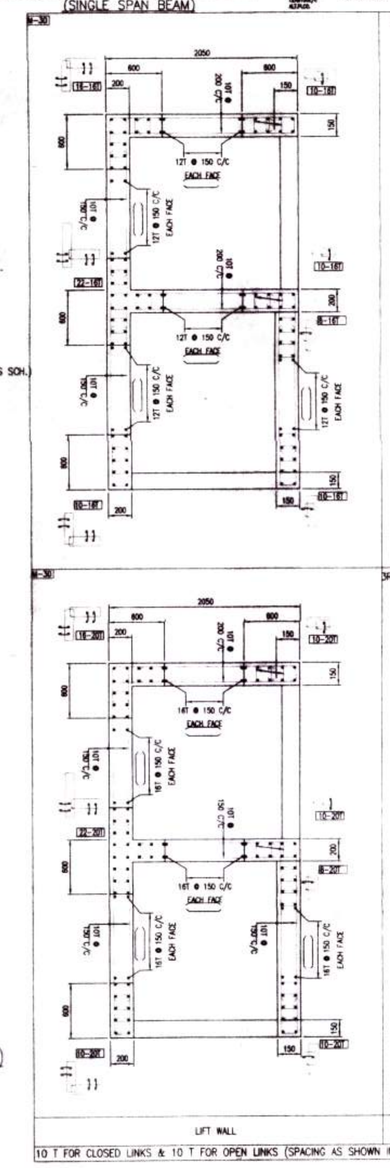
TYP.CORNER DETAIL OF RETAINING WALL

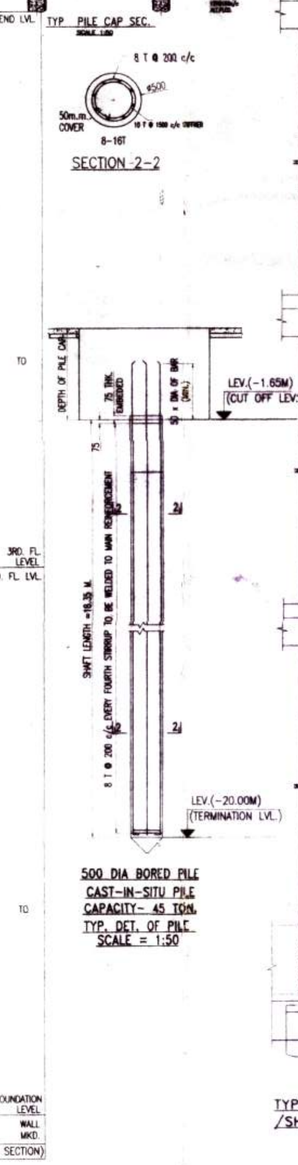


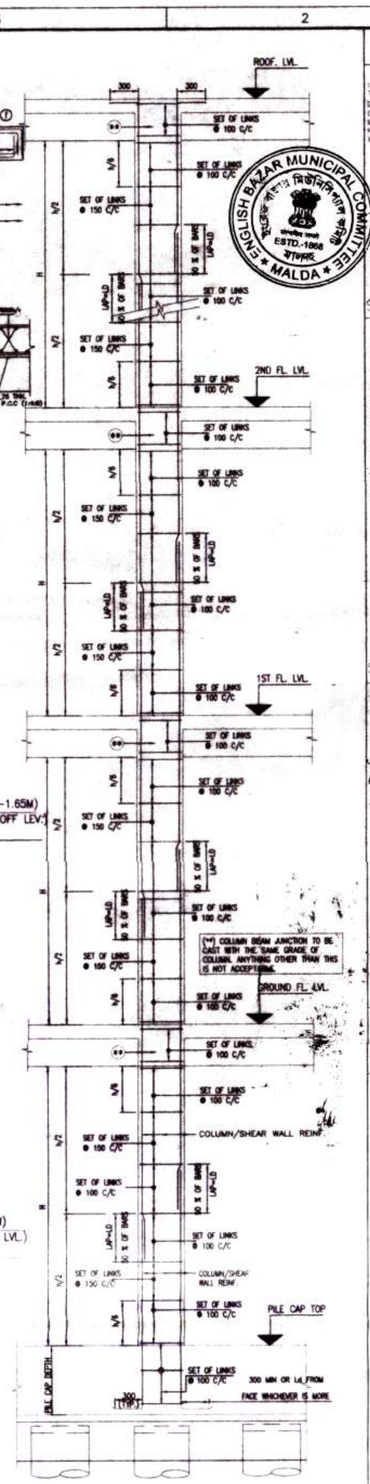
CURTAILMENT DET. OF BEAM TYPE I & IA (MULTIPLE SPAN BEAM)



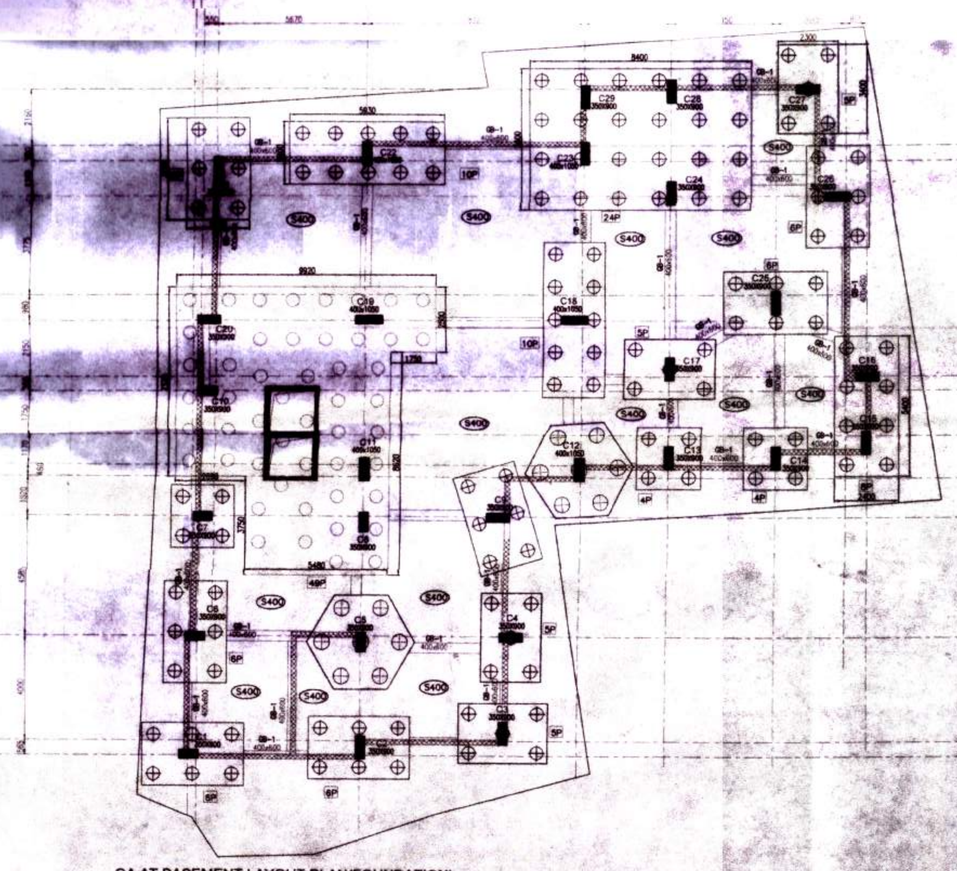
CURTAILMENT DET. OF BEAM TYPE I & IA (SINGLE SPAN BEAM)



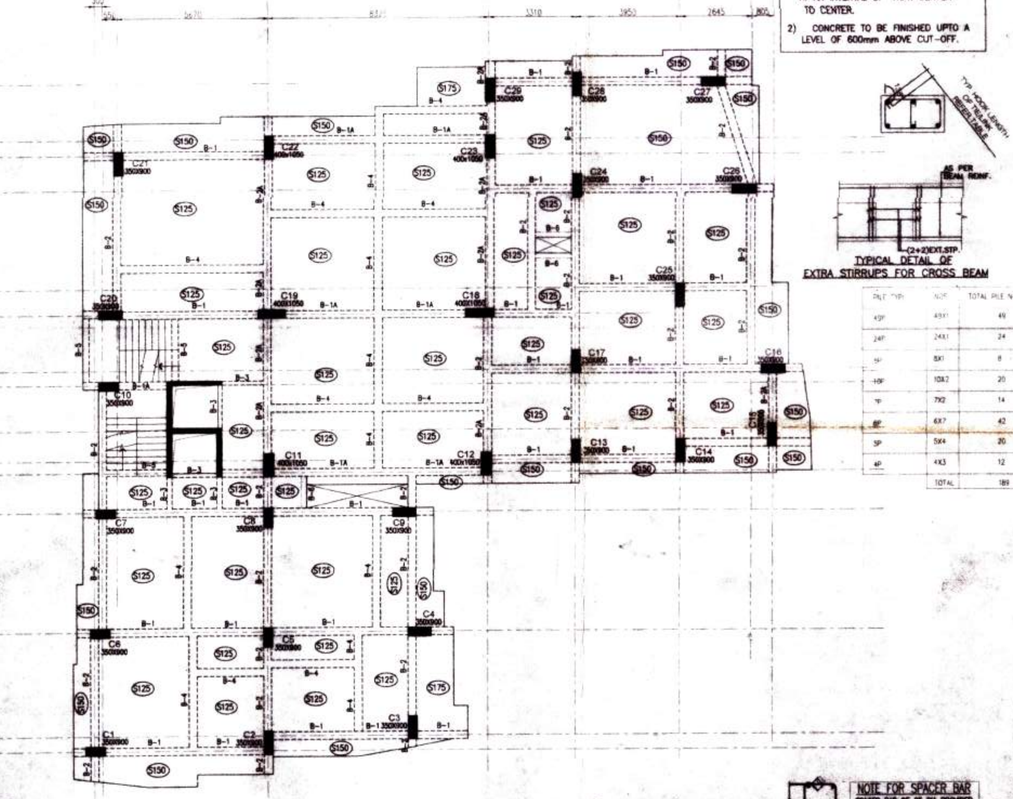


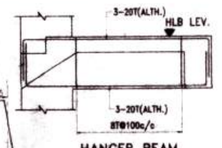


TYPICAL DET. OF DUCTILE COLUMN /SHEAR WALL SCALE-1:30


GA AT BASEMENT LAYOUT PLAN(FOUNDATION)
SCALE-1:100

GA AT GROUND FLOOR LAYOUT PLAN
UNLESS OTHERWISE ALL SLAB THICKNESS WILL BE 150 THK
SCALE-1:100


GA AT TYP (1ST-END) LAYOUT PLAN
UNLESS OTHERWISE ALL SLAB THICKNESS WILL BE 150 THK
SCALE-1:100



HANGER BEAM DETAILS (SCALE N.T.S)

DIA (mm)	NOS.	TOTAL WT. (KG)
10T	4551	46
12T	2451	24
16T	841	8
20T	1082	20
8T	740	14
6RT	497	42
8P	594	26
4P	443	12
TOTAL		193

STRUCTURAL DRAWING

CERTIFICATE OF PLANNER

I CERTIFY THAT THE PLANS AND DESIGN OF G+VI STORIED RESIDENTIAL BUILDING PLAN TO BE MADE BY 1)MAYA DAS, 2)TIRTHANKAR DAS, 3)MOUMITA DAS, 4)RAJASRI DAS, 5)SUTIBRA DAS, 6)ACHINTYA DAS, 7)CHANDANA DAS, 8)DIPAK KUMAR DAS, 9)PURNIMA DAS, 10)SOURISH DAS, 11)SATYABRATA DAS, 12)BANANI CHAKRABORTY, 13)CHUMKI SIL, 14)JHUMKI LAHIRI, 15)RUMKI MUKHERJEE, AT ABHIRAMPUR ROAD BY LANE(10' WIDE), MOUZA-MAKDUMPUR, JL NO-68, WARD NO-02, RS KH NO-54, L.R KH. NO-1134,3650,3087,3086, R.S. DAG NO-1553,1552,1537, L.R. DAG NO-1873,1874,1875, HOLDING NO-75/54/25, UNDER ENGLISH BAZAR MUNICIPALITY, DIST-MALDA,HAVE BEEN MADE BY ME CONSIDERING THE SOIL REPORT PREPARED FOR THIS PURPOSE AND CONSIDERING ALL THE POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURES AS PER IS1893 AND THE MATERIAL BUILDING CODE OF INDIA,THE UNDERSIGNED DOES NOT HAVE ANY RESPONSIBILITY REGARDING SITE SUPERVISION.IT IS SAFE & STABLE IN ALL RESPECT

MANOJ SETH
D.C.E., B.C.E.
REG.NO.-EBM/PW/PM-138
Licensed Building Surveyor (Class-I)

Koushik Gupta
(B. Tech in Civil Engineering)
Building Planner & Estimator
Regn. No.-EBP/PW/1703/19
Mob. No.- 8436130727

SIGNATURE OF PLANNER

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGNS AND DRAWING OF THE FOUNDATIONS & SUPERSTRUCTURES OF PROPOSED B+G+VI STORIED RESIDENTIAL BUILDING PLAN TO BE MADE BY 1)MAYA DAS, 2)TIRTHANKAR DAS, 3)MOUMITA DAS, 4)RAJASRI DAS, 5)SUTIBRA DAS, 6)ACHINTYA DAS, 7)CHANDANA DAS, 8)DIPAK KUMAR DAS, 9)PURNIMA DAS, 10)SOURISH DAS, 11)SATYABRATA DAS, 12)BANANI CHAKRABORTY, 13)CHUMKI SIL, 14)JHUMKI LAHIRI, 15)RUMKI MUKHERJEE, AT ABHIRAMPUR ROAD BY LANE(10' WIDE), MOUZA-MAKDUMPUR, JL NO-68, WARD NO-02, RS KH NO-54, L.R KH. NO-1134,3650,3087,3086, R.S. DAG NO-1553,1552,1537, L.R. DAG NO-1873,1874,1875, HOLDING NO-75/54/25, UNDER ENGLISH BAZAR MUNICIPALITY, DIST-MALDA,HAVE BEEN MADE BY ME CONSIDERING THE SOIL REPORT PREPARED FOR THIS PURPOSE AND CONSIDERING ALL THE POSSIBLE LOADS INCLUDING THE SEISMIC LOADS AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURES AS PER IS1893 AND THE MATERIAL BUILDING CODE OF INDIA,THE UNDERSIGNED DOES NOT HAVE ANY RESPONSIBILITY REGARDING SITE SUPERVISION.IT IS SAFE & STABLE IN ALL RESPECT

ARINDRA AGARWALLA
B.TECH. IN CIVIL
REG. NO.- EBM/PW/PM-
Structural Engineer (Class-I)
Licensed Building Surveyor (Class-I)

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF OWNER

NOTE:
1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMIDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMENCING THE WORK
3. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. ALL GRADE OF CONCRETE M30
6. ALL MATERIALS SHALL CONFORM TO RELEVANT I.S CODES.
7. FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.
8. ALL DISTRIBUTION BARS ARE T8 @ 250 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
9. ALL CHAIRS ARE T10 AND TO BE PROVIDED WHEREVER REQUIRED.
10. ALL SPACER BARS ARE T25 @ 300 C/C AND TO BE PROVIDED WHWREVER REQUIRED.
11. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
12. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASSBRICK IN 1:6 CEMENT MORTAR.
13.SOIL SAFE BEARING CAPACITY FOR PILE 45 TON AS PER I.S TESTING.
14.FOUNDATION DEPTH 20.00 M BELOW EARTH GROUND LVL. MENTION IN SOIL REPORT FOR PILE FOUNDATION.
15. MINIMUM CLEAR COVER TO MAIN LINK IS AS FOLLOWS:

a. FOUNDATION BEAM & RAFT	50	50	50	50
b. COLUMN				40
c. FLOOR BEAM.	30	30	30	
d. TIE BEAM.	40	40	40	
e. FLOOR SLAB.	25	25	25	

PROPOSED B+G+VI STORIED RESIDENTIAL BUILDING PLAN TO BE MADE BY 1)MAYA DAS, 2)TIRTHANKAR DAS, 3)MOUMITA DAS, 4)RAJASRI DAS, 5)SUTIBRA DAS, 6)ACHINTYA DAS, 7)CHANDANA DAS, 8)DIPAK KUMAR DAS, 9)PURNIMA DAS, 10)SOURISH DAS, 11)SATYABRATA DAS, 12)BANANI CHAKRABORTY, 13)CHUMKI SIL, 14)JHUMKI LAHIRI, 15)RUMKI MUKHERJEE, AT ABHIRAMPUR ROAD BY LANE(10' WIDE), MOUZA-MAKDUMPUR, JL NO-68, WARD NO-02, RS KH NO-54, L.R KH. NO-1134,3650,3087,3086, R.S. DAG NO-1553,1552,1537, L.R. DAG NO-1873,1874,1875, HOLDING NO-75/54/25, UNDER ENGLISH BAZAR MUNICIPALITY, DIST-MALDA.

Signed and checked