

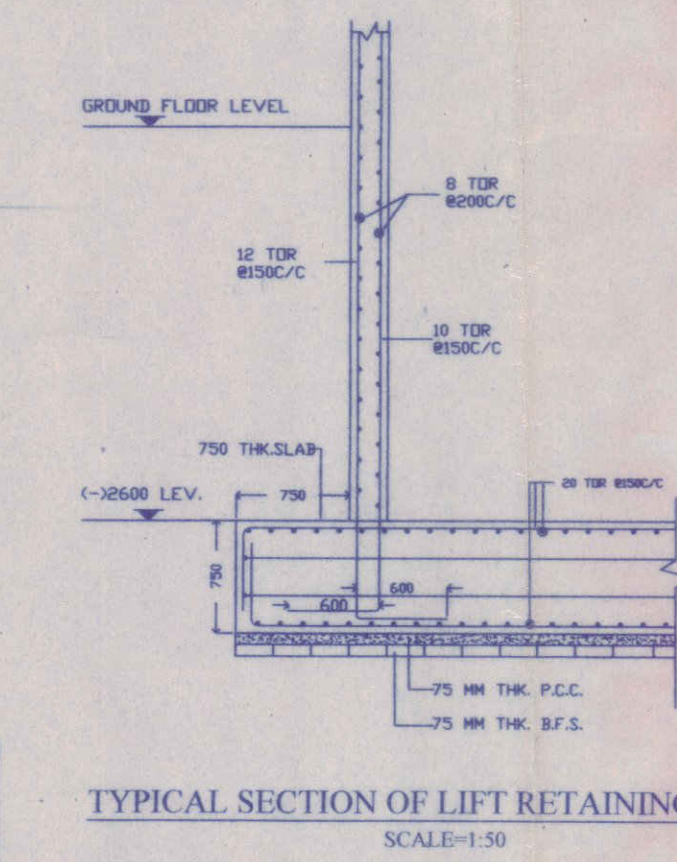
PROJECT TITLE :

STRUCTURAL PLAN FOR PROPOSED G+ VI STD. RESL. FLAT BLDG. OF 1) SMT. SUMITA RANI MONDAL, W/O SRI AMAL KUMAR MONDAL ALIAS GOPAL CHADRA MODAL, 2) SRI AMAL KUMAR MONDAL ALIAS GOPAL CHADRA MODAL S/O LATE BANOWARI LAL MONDAL. AT MAHALLA - BIRHATA, AT MOUZA-- RADHANAGAR. J.L. NO. - 39, R.S. PLOT -7039 / 539, R.S. KH. NO - 1636, L.R. PLOT NO - 5861, L.R. KH. NO -- 7892, 7893, WARD NO -- 09, HOLDING NO - 110, UNDER BURDWAN MUNICIPALITY, P.S. BURDWAN, DIST. - PURBA BARDHAMAN

COLUMN SCHEDULE					
REINFORCEMENT	GRADE OF CONCRETE M20		GRADE OF STEEL Fe500		
	SHAPE AND SIZE	400	400	400	400
1ST-4TH FLOOR	6-16 TOR + 2-12 TOR	4-16 TOR + 4-16 TOR	4-20 TOR + 4-16 TOR	4-20 TOR + 4-20 TOR	4-20 TOR + 4-16 TOR
G.F. - 1ST FLOOR	6-16 TOR + 2-12 TOR	4-16 TOR + 4-16 TOR	4-20 TOR + 4-16 TOR	4-20 TOR + 4-20 TOR	4-20 TOR + 4-16 TOR
FOUNDATION TO BASEMENT ROOF	6-16 TOR + 2-12 TOR	4-16 TOR + 4-16 TOR	4-20 TOR + 4-16 TOR	4-20 TOR + 4-20 TOR	4-20 TOR + 4-16 TOR
(FROM 1ST FL. TO ROOF)	250X400	250X400	250X400	250X400	250X400
(FOUNDATION TO 1ST FLOOR)	250X400	250X400	250X400	250X400	250X400
FOUNDATION SIZE	1980 X 1980	2280 X 2280	2500 X 2500	FOUNDATION SIZE GIVEN IN DRAWING	
FOUNDATION REINFORCEMENT	12 MM BAR 150 C/C BOTHWAYS				
LINKS	8 TOR 4L @ 150 C/C AT MID PORTION AND 75 C/C AT BOTH END UPTO 0.75 M LENGTH				
COLUMN MKD.	C1	C2	C3	C4	C5

TYPICAL FLOOR BEAMS SCHEDULE										
BEAM MKD.	O/ALL SIZE		GRADE OF CONCRETE M20			GRADE OF STEEL Fe500			SHEAR STIRRUPS	
	WIDTH	DEPTH	LEFT	MIDSPAN	RIGHT	LEFT	MIDSPAN	RIGHT	SUPPORT	SPAN
B1	250	300	2-16 TOR 2-12 TOR	2-12 TOR	2-16 TOR 2-12 TOR	2-12 TOR	2-12 TOR 2-16 TOR	2-12 TOR	2L-8 TOR @ 125CC	2L-8 TOR @ 200CC
B2	250	450	3-16 TOR 1-12 TOR	2-16 TOR	3-16 TOR 1-12 TOR	2-16 TOR	3-16 TOR 1-12 TOR	2-16 TOR		
B3	250	450	4-16 TOR	2-16 TOR	4-16 TOR	2-16 TOR	4-16 TOR	2-16 TOR		
B4	250	300	3-12 TOR 1-16 TOR	2-12 TOR	3-12 TOR 1-16 TOR	2-12 TOR	3-12 TOR 1-16 TOR	2-12 TOR		
B5	250	300	7-16 TOR	2-16 TOR	7-16 TOR	2-16 TOR	7-16 TOR	2-16 TOR		
B6	250	400	4-16 TOR	2-16 TOR	4-16 TOR	2-16 TOR	4-16 TOR	2-16 TOR		
B7	250	400	4-16 TOR	4-16 TOR	4-16 TOR	2-16 TOR	2-16 TOR	2-16 TOR		
B8	250	450	3-16 TOR	2-16 TOR	3-16 TOR	2-16 TOR	3-16 TOR	2-16 TOR		
B9	250	500	4-20 TOR 2-16 TOR	4-20 TOR	4-20 TOR 2-16 TOR	4-20 TOR	4-20 TOR	4-20 TOR		
B10	250	400	4-16 TOR	4-16 TOR	4-16 TOR	4-16 TOR	4-16 TOR	4-16 TOR		

LIFT WALL REINFORCEMENT DETAILS		
GRADE OF CONCRETE M25		GRADE OF STEEL Fe500
WALL THICKNESS	REINFORCEMENT IN VERTICAL DIRECTION	REINFORCEMENT IN HORIZONTAL DIRECTION
150 MM	12 TOR @ 150 C/C	8 TOR @ 200 C/C

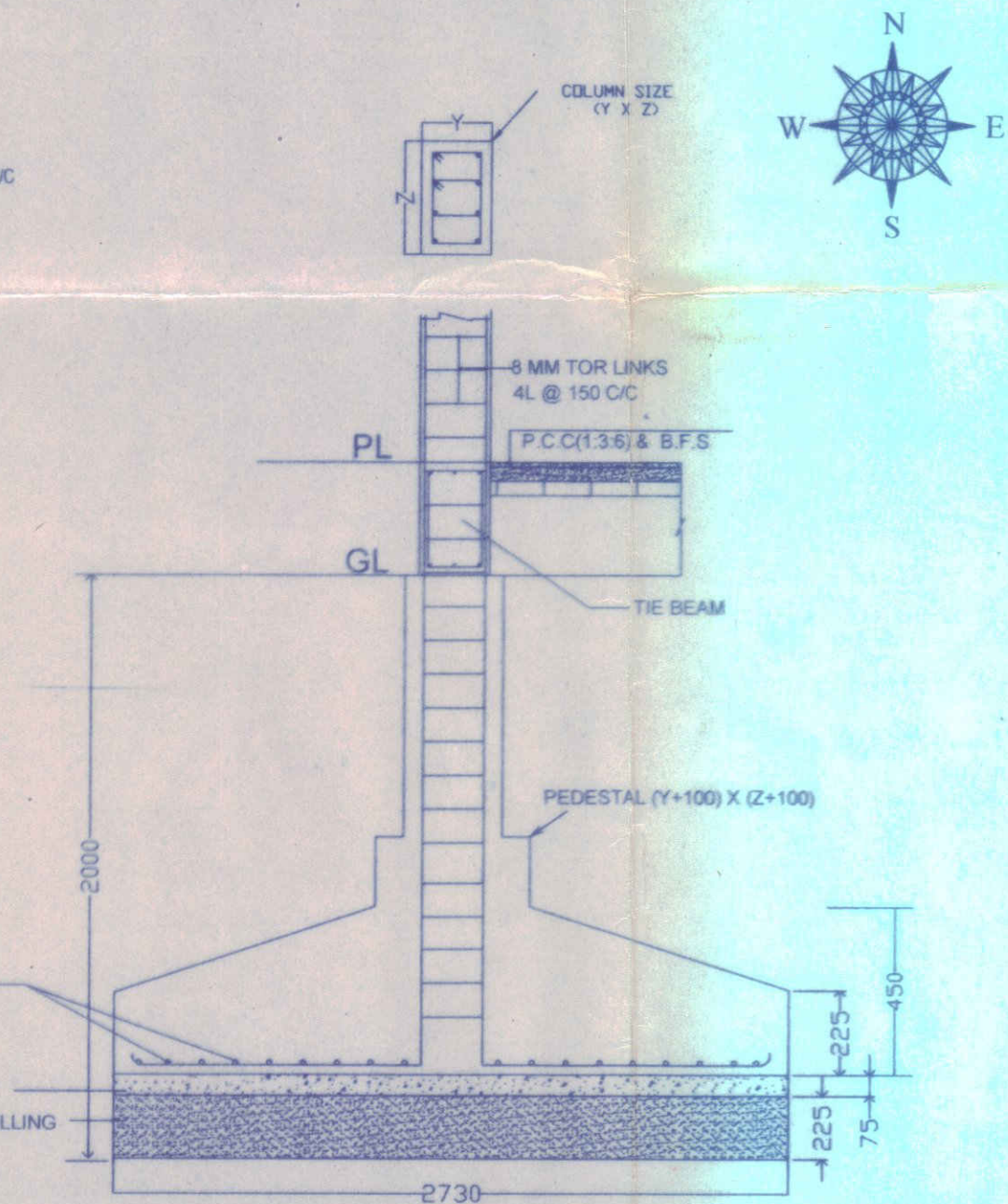
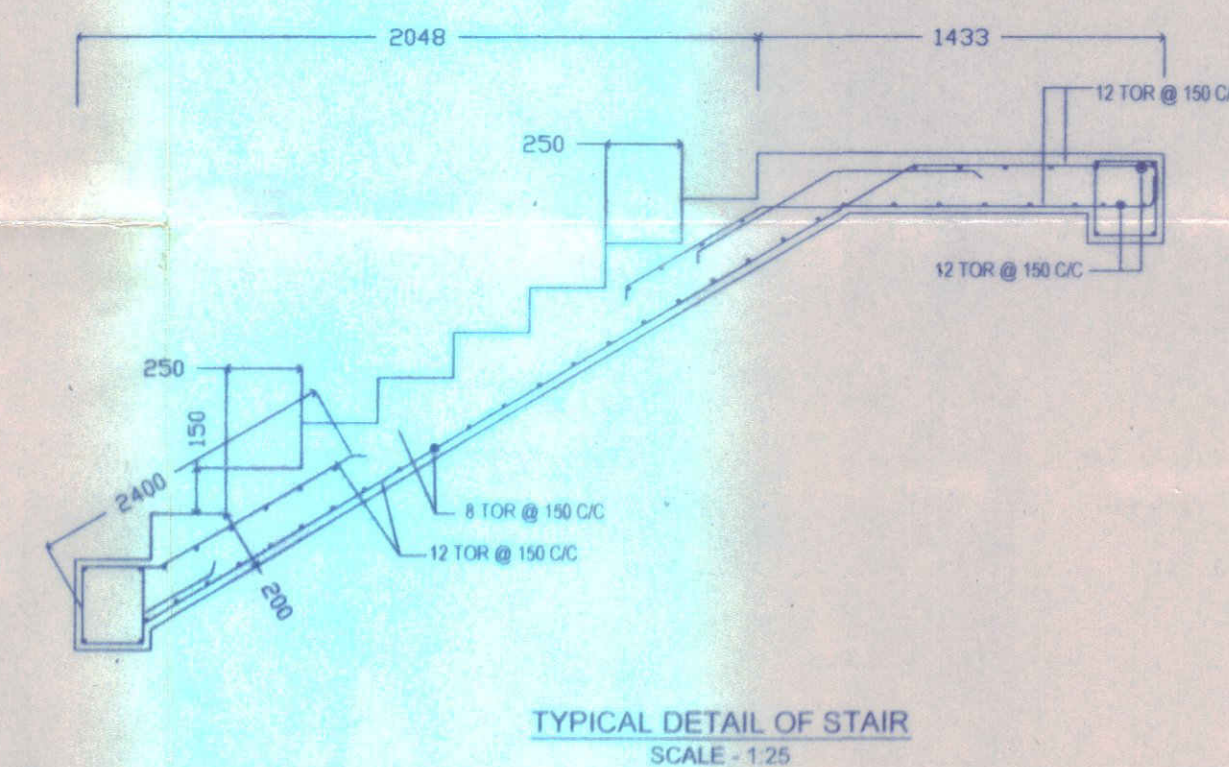
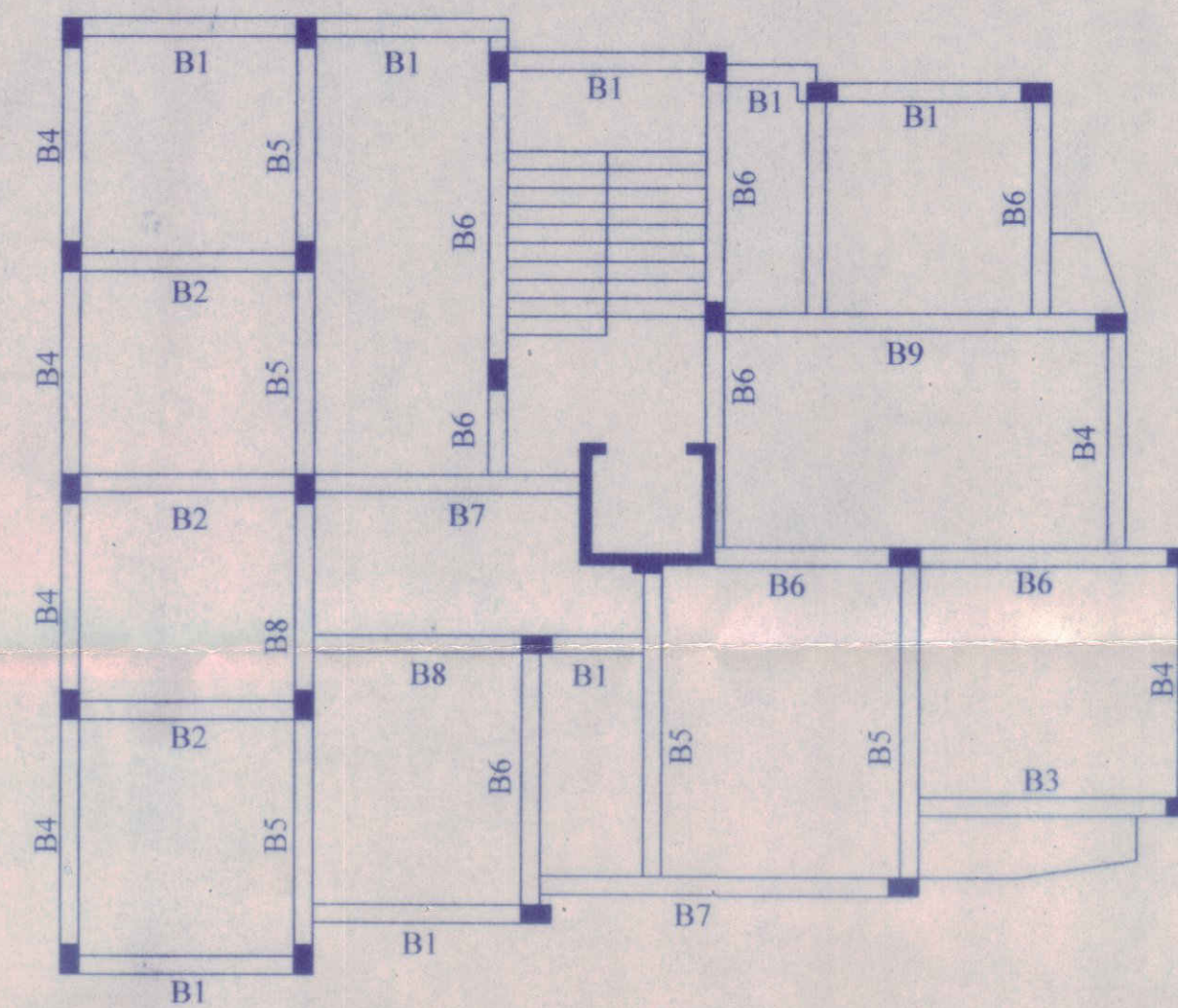


- NOTES & SPECIFICATION :**
- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 - CONCRETE MIX SHALL BE NOMINAL MIX M-25 AS PER LATEST CODE IS 456-2000
 - TOR STEEL REINFORCEMENT SHALL BE CONFORMED TO LATEST IS: 1786-2008 CODES WITH YIELD STRESS 500 Mpa.
 - MINIMUM LAP LENGTH - 50 DIA.
 - DESIGN IS BASED ON AS PER IS: 456-2000, IS 1893-2002 & SP-16, IS-875
 - GOOD QUALITY BRICK MUST BE USED FOR LOAD BEARING WALL.
 - SESMIS ZONE CONSIDER FOR DESIGN AS ZONE - III
 - EXT. TOP & BOTTOM.

FLOOR BEAM - i) EXT. TOP BAR TO BE PROVIDED AT L/4 FROM SUPPORT.
ii) EXT. BOTTOM TO BE EXTENDED L/5 FROM SUPPORT. SLAB
i) EXT. TOP TO BE PROVIDED IN ALL SUPPORT FOR A LENGTH OF L/4 FROM SUPPORT.
ii) BOTTOM BAR TO BE ALT. CUT. AT L/5 FROM SUPPORT.

Arpa Saha
Burdwan Municipality
SIGN. OF MEMBER CHAIRMAN IN COUNCIL.

TIE BEAMS SCHEDULE										
BEAM MKD.	O/ALL SIZE		GRADE OF CONCRETE M20			GRADE OF STEEL Fe500			SHEAR STIRRUPS	
	WIDTH	DEPTH	LEFT	MIDSPAN	RIGHT	LEFT	MIDSPAN	RIGHT	SUPPORT	SPAN
TB1	250	300	3-12 TOR	3-12 TOR	3-12 TOR	3-12 TOR	3-12 TOR	3-12 TOR	2L-8 TOR @ 150 C/C	2L-8 TOR @ 200 C/C
TB2	250	300	4-12 TOR	4-12 TOR	4-12 TOR	4-12 TOR	4-12 TOR	4-12 TOR		
TB3	250	400	4-12 TOR	4-12 TOR	4-12 TOR	4-12 TOR	4-12 TOR	4-12 TOR		
TB4	250	500	4-16 TOR	2-16 TOR	4-16 TOR	2-16 TOR	4-16 TOR	2-16 TOR		
TB5	250	400	2-12 TOR	2-12 TOR	2-12 TOR	2-12 TOR	2-12 TOR	2-12 TOR		



Arpa Saha
27/9/18
SIGN. OF ENGINEER

Arpa Saha
SIGN. OF HEALTH OFFICER.

CERTIFICATE OF ENGINEER
CERTIFIED THAT, "THE STRUCTURAL DESIGN & DRAWINGS OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS".

Arpa Saha
Arpa Saha
B.E.(CIVIL), Engineer
Burdwan Municipality
Enlistment No.-216/B/XII-6

SIGN. OF STRUCTURAL ENGINEER.

Arpa Saha
POWER OF ATTORNEY
SIGN. OF OWNER

