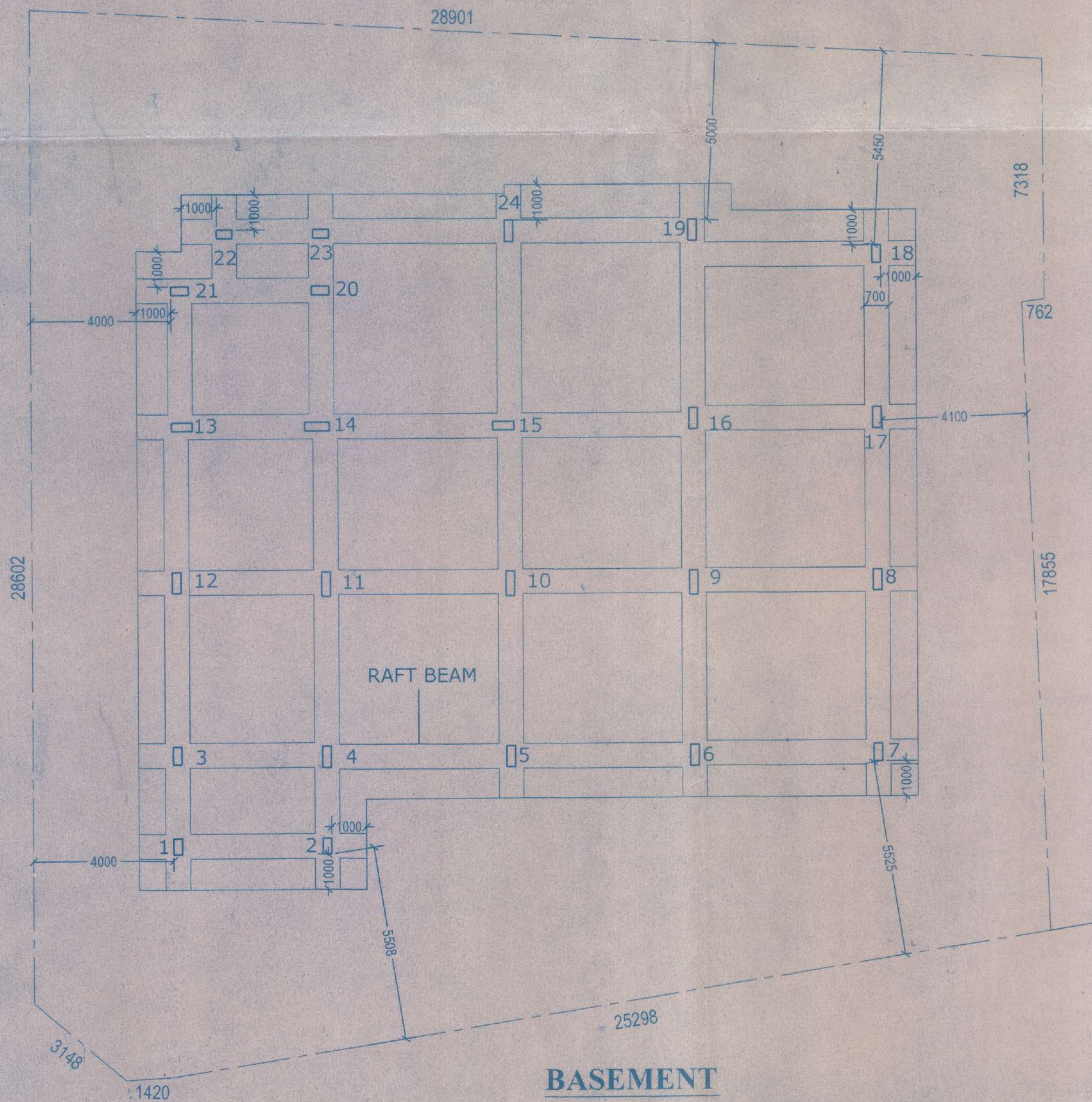


TYPICAL FLOOR BEAM, COLUMN & SLAB LAY OUT



BASEMENT

PARTY'S COPY

COLUMN MKD.	COLUMN SIZE & REINFORCEMENTS (GR.FL. TO 2ND.FL.)	COLUMN SIZE & REINFORCEMENTS (2ND.FL. TO ROOF)	LINKS 4 LEGGED
1,2,22,23	250x450 8-16ϕ	250x450 8-16ϕ	8ϕ@150 C/C
3,7,18,20,21	250x500 4-16ϕ + 6-20ϕ	250x500 6-16ϕ + 2-20ϕ	8ϕ@150 C/C
4,5,6,8,12,13,17	250x600 4-16ϕ + 8-20ϕ	250x650 6-20ϕ + 4-16ϕ	8ϕ@150 C/C
9,10,11,14	250x700 8-20ϕ + 4-16ϕ	250x700 6-20ϕ + 4-16ϕ	8ϕ@150 C/C
15,16,24,19	250x600 10-20ϕ + 2-16ϕ	250x650 8-20ϕ + 4-16ϕ	8ϕ@150 C/C

GRADE OF CONCRETE SHALL BE M - 25 FOR PILE, PILE CAP, COLUMN, GRADE BEAM, PEDESTAL.

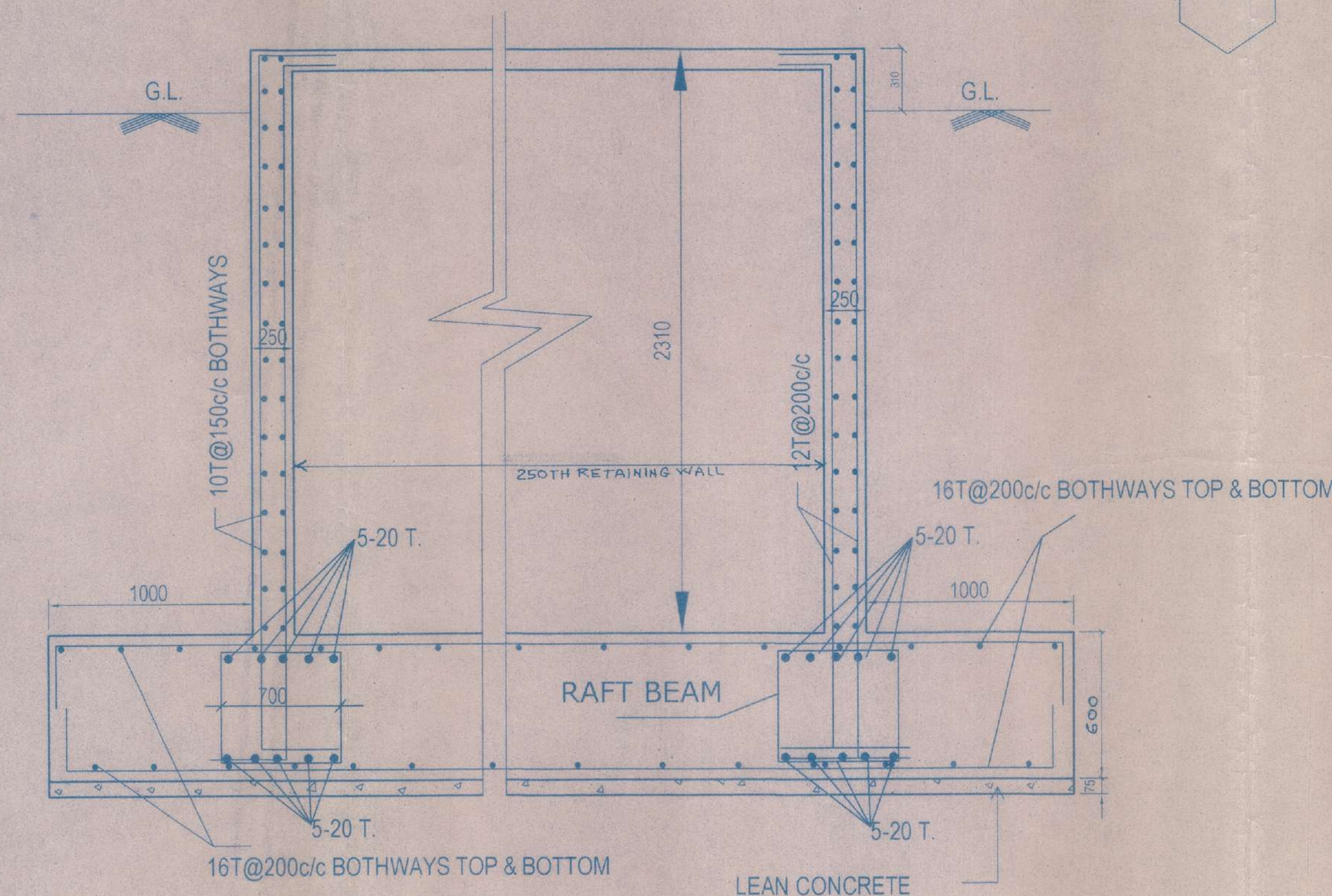
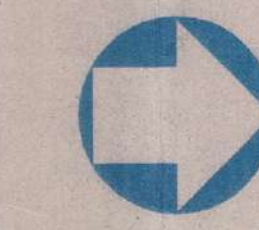
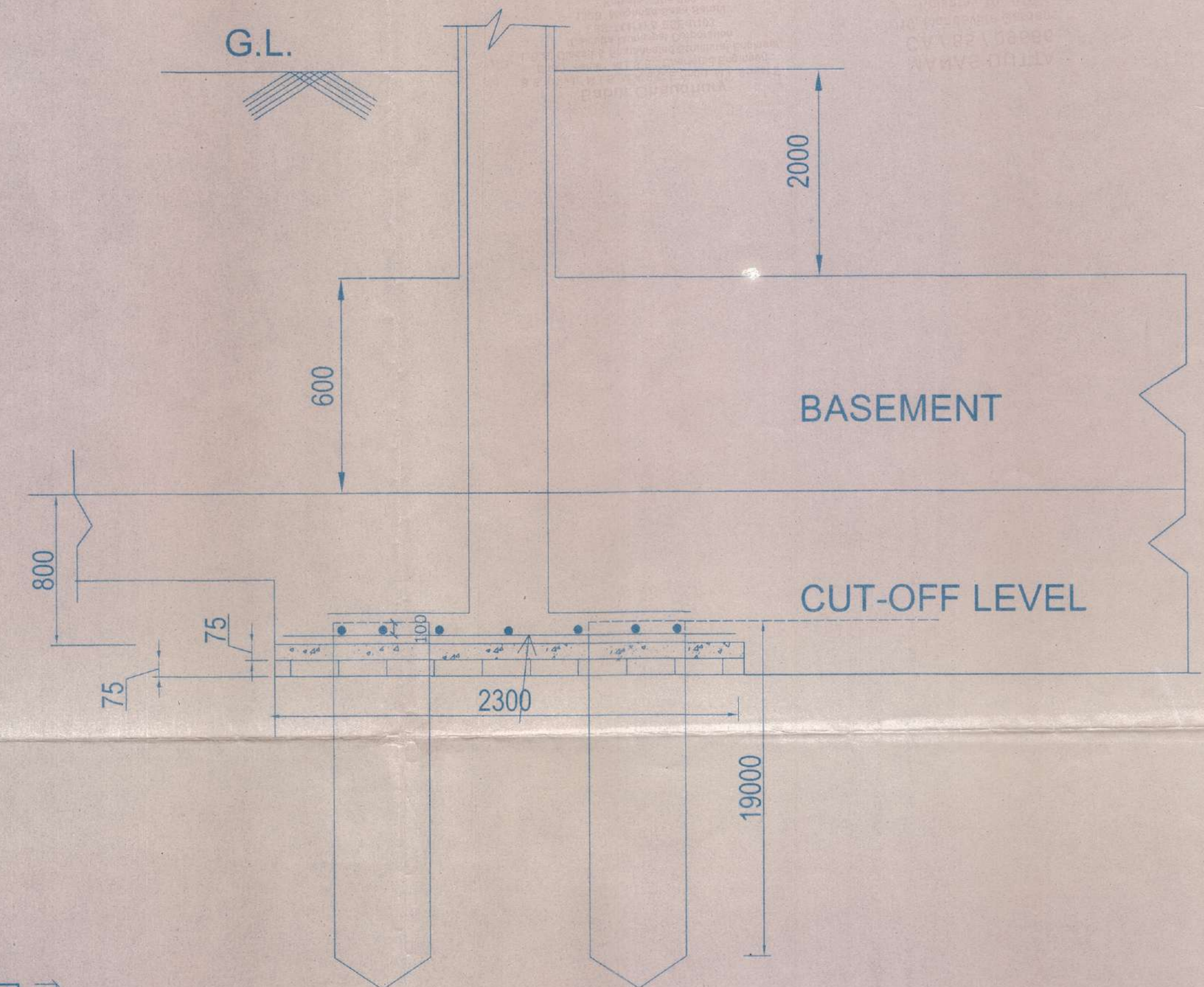
PILES ARE DESIGNED FOR SAFE CAPACITY OF 28 TON. DIA 450MM. THIS SHALL BE VERIFIED BY ROUTINE LOAD TEST ON WORKING PILE

SCHEDULE OF SLAB

SLAB MKD.	SLAB THICKNESS	SHORT SPAN	LONG SPAN	EXTRA TOP
S1	125	10ϕ@150 C/C	10ϕ@150 C/C	10ϕ@150 C/C
S2	125	10ϕ@175 C/C	10ϕ@175 C/C	10ϕ@175 C/C

SCHEDULE OF BEAM

BEAM MKD.	BEAM SIZE	REINFORCEMENTS				STIRRUPS
		SUPPORT		SPAN		
		TOP	BOTTOM	TOP	BOTTOM	
B1	250x500	2-16ϕ 2-16ϕ	2-16ϕ	2-16ϕ	2-16ϕ 2-20ϕ	8ϕ@150 C/C
B2	250x500	2-16ϕ + 2-20ϕ	2-16ϕ 2-20ϕ	2-16ϕ 2-20ϕ	2-16ϕ 2-20ϕ	8ϕ@150 C/C
B3,B4,B5	250x500	2-16ϕ + 2-20ϕ	2-20ϕ	2-20ϕ	2-20ϕ + 1-16ϕ	8ϕ@150 C/C
B6	250x500	2-20ϕ 2-16ϕ	2-20ϕ	2-20ϕ	2-20ϕ + 1-16ϕ	8ϕ@150 C/C
B7,B8,B9,B15	250x500	4-20ϕ	2-20ϕ	2-20ϕ	2-20ϕ + 1-16ϕ	8ϕ@150 C/C
B10,B13	250x500	2-16ϕ 1-16ϕ	2-16ϕ	2-16ϕ	2-16ϕ	8ϕ@150 C/C
B11,B12,B16,B14	250x500	4-20ϕ	4-20ϕ	4-20ϕ	4-20ϕ	8ϕ@150 C/C



DETAIL OF R.C.C. RETAINING WALL AND BASEMENT RAFT

CERTIFICATE OF STRUCTURAL ENGINEER

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC & WIND LOAD AS PER THE N.B.C. OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS.

B. Choudhury
Babul Choudhury
 B.E. (Civil), M.I.E., M.A.S.C.E. (Ind.), M.I. Street E. (Ind.), Valuer, M.S.E., Chartered Engineer, L.B.S. Class I & Empaneled Structural Engineer, Calcutta Municipal Corporation, LBS-74111 & ESE-1103, 132B, Meghad Saha Sarani, Kolkata - 700 029

SIGNATURE OF STRUCT. ENGINEER
 BABUL CHOUDHURY, ESE #103

CERTIFICATE OF ARCHITECT

I CERTIFIED ON THE PLAN IT SELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF C.M.C. BUILDING RULE 2009 AS AMENDED FROM TIME TO TIME & THAT THE SITE CONDITIONS INCLUDING THE WIDTH OF ABUTTING ROAD CONFIRM WITH THE PLAN & THAT IT IS A BUILDABLE SITE NOT A TANK OR FILLED UP TANK. THE PLOT IS BOUNDED BY BOUNDARY WALL & THE BOUNDARY MEASUREMENT AGREED WITH THE REG. DEED.

Manas Dutta
MANAS DUTTA
 CA / 85 / 09566
 10, Mandeville Gardens
 Kolkata - 700 019

SIGNATURE OF ARCHITECT

SPECIFICATION

- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
- FOR ALL EXTERNAL WALL CEMENT MORTAR WILL BE IN RATIO OF 1:8 & 1:4 FOR PARTITION WALLS.
- ALL EXTERNAL WALLS ARE 200 THK. & ALL PARTITION WALLS ARE 75 THK. & 125 THK.
- GRADE OF CONCRETE WILL BE - M20 & M25.
- GRADE OF STEEL WILL BE - Fe415.

S. Sanyal
Director/Secretary (Hony.)
 The Bengal Secretariat Cooperative Land Mortgage Bank & Housing Society Ltd., Gariahat Road, Jodhpur Park, Kol-700068

SIGNATURE OF OWNER

PROPOSED G+V STORED ASSEMBLY BUILDING WITH BASEMENT AT PRE. NO -1, GARIAHAT ROAD (JODHPUR PARK), WARD NO. 93, BOROUGH- X, KOLKATA-700 068, P.S- LAKE.

PARTY'S COPY

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 2013100011.....Date 10.04.13 for record of the Kolkata Municipal Corporation without verification. No deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form, necessary steps should be taken for the safety of the adjoining premises public and private properties and safety of human life during construction.

K. S. Das
EXECUTIVE ENGINEER/ASST. ENGINEER
BOROUGH NO. 2

17/Per-2/10-11
26 DEC 2014

PROPOSED CIVIL STRUCTURE BUILDING WITH
BASEMENT AT THE NO. 10, GURU NANAK
ROAD, (JOLKHA PARK), WARD NO. 22, BOROUGH NO. 2,
KOLKATA-700018 P.S. - 14/F

MANAS DUTTA
C.A. 1811, 1812, 1813
10, HANSA ROAD, KOLKATA-700018

Babu Choudhury
18, Govt. M.E.S. College, 1st Floor
10, HANSA ROAD, KOLKATA-700018

Director/Secretary (Hony.)
The Bengal Architects' Convention Ltd.
10, HANSA ROAD, KOLKATA-700018