

TYPICAL DETAILS OF LIFT WALL

TYPICAL DETAILS OF STAIR

SLAB SCHEDULE
GRADE OF CONCRETE - M25

SLAB MKD	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125THK.	T8 @300C/C (ST.) T8 @300C/C (CKD.)	T8 @400C/C (ST.) T8 @400C/C (CKD.)
S2	150THK.	T10 @300C/C (ST.) T10 @300C/C (CKD.)	T10 @400C/C (ST.) T10 @400C/C (CKD.)
S3	125THK.	T8 @150C/C (TOP) T8 @150C/C (BOTT.)	T8 @200C/C (TOP) T8 @200C/C (BOTT.)
S4	125THK.	T8 @250C/C (ST.) T8 @250C/C (CKD.)	T8 @350C/C (ST.) T8 @350C/C (CKD.)
S5	150THK.	T10 @150C/C (TOP) T10 @150C/C (BOTT.)	T8 @150C/C (TOP) T8 @150C/C (BOTT.)

FLOOR BEAM SCHEDULE
GRADE OF CONCRETE - M25

BEAM MKD	BEAM SIZE	REINFT. AT LEFT SUPPT.		REINFT. AT RIGHT SUPPT.		REINFT. AT SPAN		STIRRUPS	
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
B-1	200 500	+ 2-T16 - 1-T16	2-T16	+ 2-T16 - 1-T16	2-T16	2-T16	3-T16	2L-T8@100C/C	2L-T8@200C/C
B-2	200 500	2-T16	2-T16	2-T16	2-T16	2-T16	2-T16	2L-T8@150C/C	2L-T8@150C/C
B-3	200 500	- 3-T16 + 3-T16	3-T16	+ 3-T16 - 3-T16	3-T16	2-T16	3-T16	2L-T8@100C/C	2L-T8@200C/C
B-4	200 500	- 3-T16 + 3-T16	3-T16	+ 3-T16 - 3-T16	3-T16	2-T16	3-T16	2L-T8@100C/C	2L-T8@200C/C
B-5	200 500	- 2-T16 + 1-T16	2-T16	+ 2-T16 - 1-T16	2-T16	2-T16	3-T16	2L-T8@100C/C	2L-T8@200C/C
B-6	200 500	- 3-T16 + 3-T16	3-T16	+ 3-T16 - 3-T16	3-T16	2-T16	3-T16	2L-T8@100C/C	2L-T8@200C/C
B-7	200 500	- 2-T16 + 1-T16	2-T16	+ 2-T16 - 1-T16	2-T16	2-T16	3-T16	2L-T8@100C/C	2L-T8@100C/C
B-8	200 500	2-T16	2-T16	2-T16	2-T16	2-T16	3-T16	2L-T8@150C/C	2L-T8@150C/C
B-9	200 600	3-T16	3-T16	+ 3-T16 - 3-T16	3-T16	3-T16	3-T16	2L-T8@100C/C	2L-T8@100C/C
B-10	200 600	3-T16	3-T20	3-T16	3-T20	3-T16	3-T16	2L-T8@100C/C	2L-T8@100C/C
MB-1	200 500	3-T16	3-T16	3-T16	3-T16	3-T16	3-T16	2L-T8@100C/C	2L-T8@200C/C

- NOTES:-**
- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 - ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING THE WORK.
 - SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 - THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
 - ALL GRADE OF CONCRETE AS/ SCH.
 - ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
 - FOR STEEL GRADE Fe 500
 - ALL DISTRIBUTION BARS ARE 8 TOR @ 250 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
 - ALL CHAIRS ARE 10 TOR AND TO BE PROVIDED WHEREVER REQUIRED.
 - ALL SPACER BARS ARE 25 TOR @ 900 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
 - LAPS, SPICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE LARGEST BAR DIA.
 - FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 - MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:
MEMBER TOP BOTTOM SIDE
a. FOUNDATION BEAM & SLAB 50 50 50
b. COLUMN 40 40 40
c. FLOOR BEAM 30 30 30
d. TIE BEAM 40 40 40
e. FLOOR SLAB 30 30 30
 - THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.

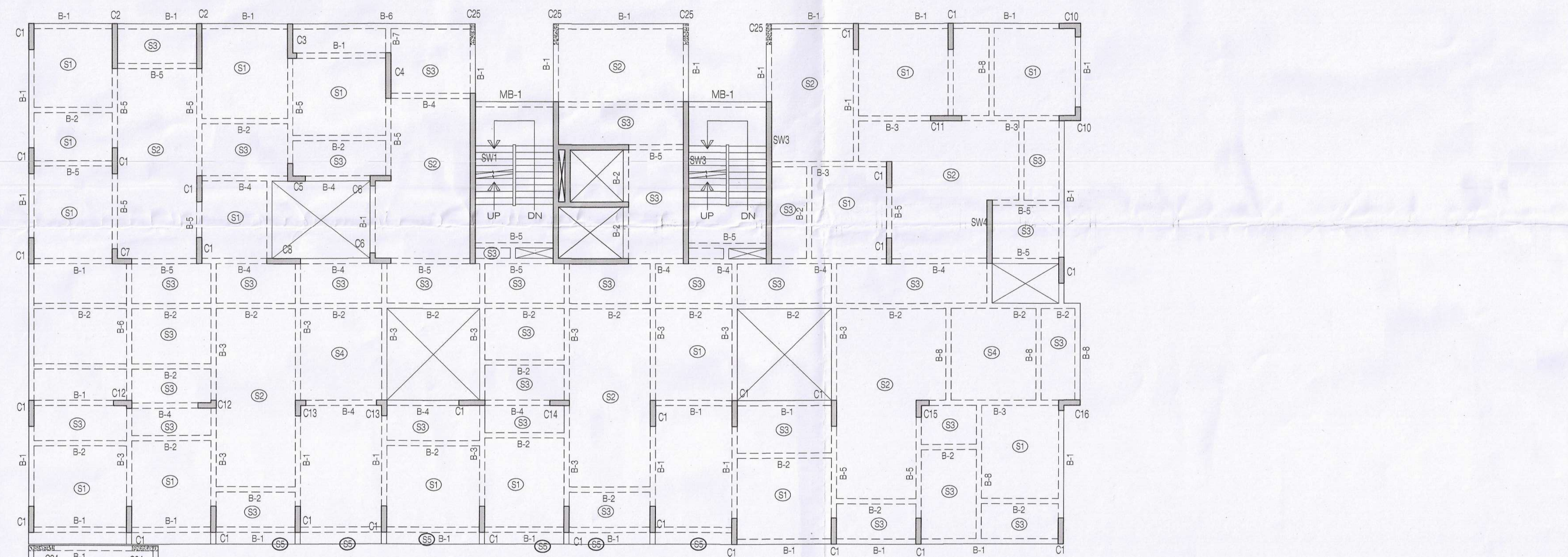
PROJECT TITLE :-
PROPOSED GROUND + SEVEN STORIED RESIDENTIAL BUILDING.

NAME OF OWNER(S):
1. SRI GURU CHARAN ROY
2. SRI ANANTA KUMAR ROY
3. SRI SANTANU CHAKRABORTY
4. SRI SHIBATOSH CHAKRABORTY.

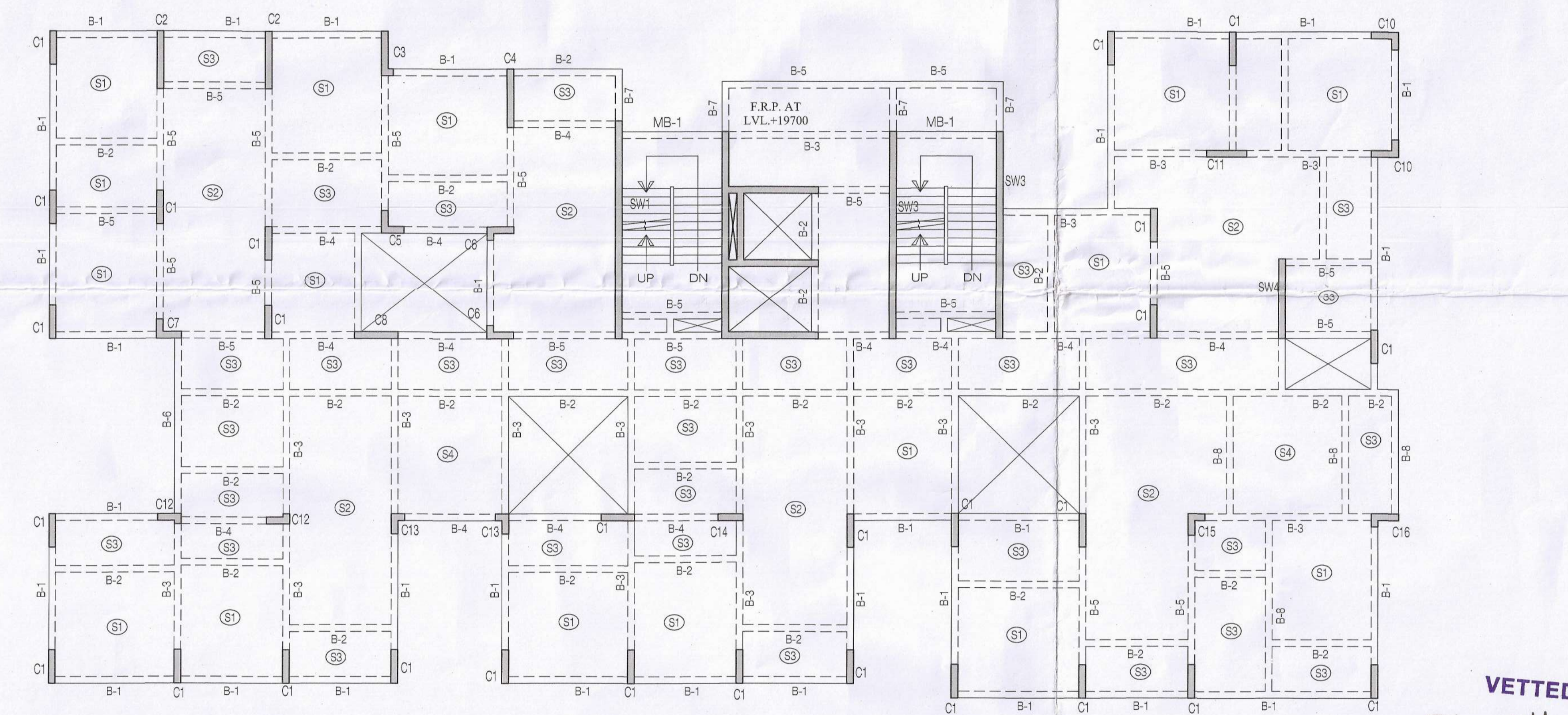
LOCATION : SHIVMANDIR, P.S MATIGARA, DIST. DARJEELING, G.P.- ATHARAKHAI.

SCHEDULE OF LAND :-
MOUZA = BAIRATISHAL,
R.S. KHATIAN NO. 19,21,22
L.R.NO. 70
L.R.PLOT NO. = 389,390,388,391
R.S. PLOT NO. = 351,354,355,356,357
SHEET NO.=1 (L.R.) & (R.S)
DIST. DARJEELING
P.S. = MATIGARA
G.P.= ATHARAKHAI

DECLARATION OF STRUCTURAL ENGINEER
THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND 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 AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.
HOWEVER I/WE SHALL BE HELD RESPONSIBLE FOR ANY STRUCTURE DAMAGE/FAILURE HAPPENED DURING CONSTRUCTION PERIOD AND THERE AFTER BEYOND DATE OF TAKING OCCUPANCY CERTIFICATE.

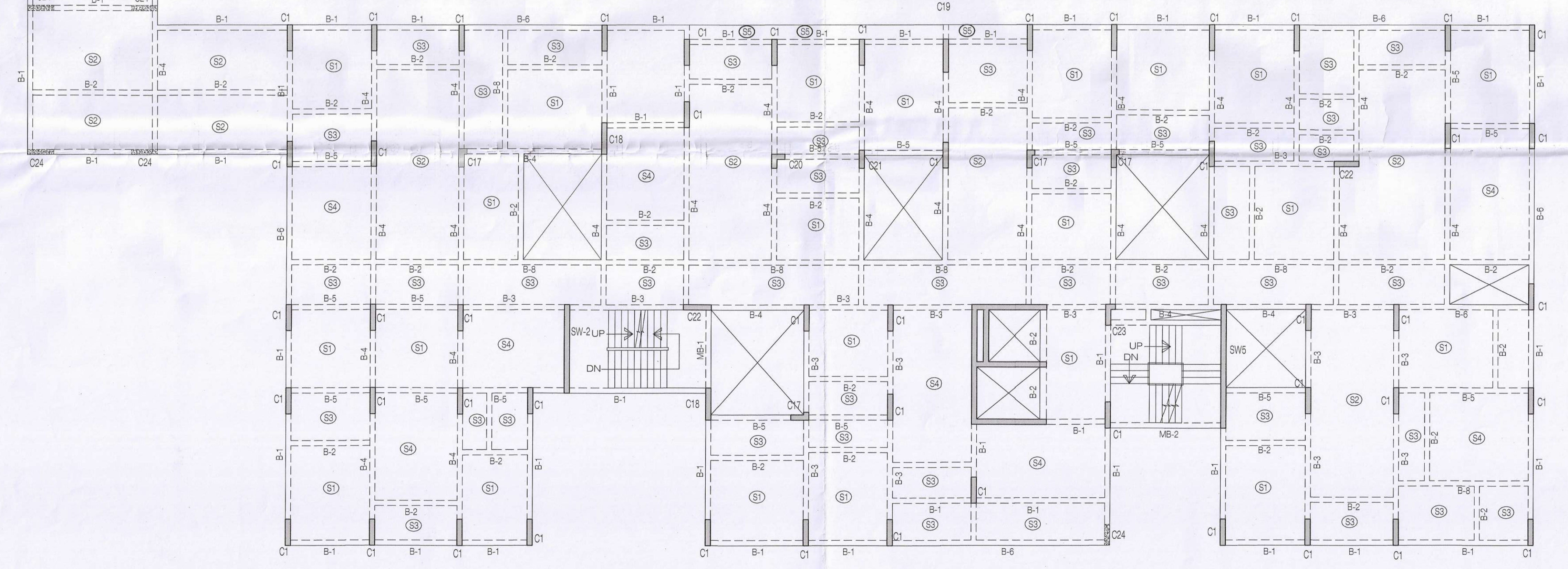


1ST. FLOOR BEAM LAYOUT WING 1

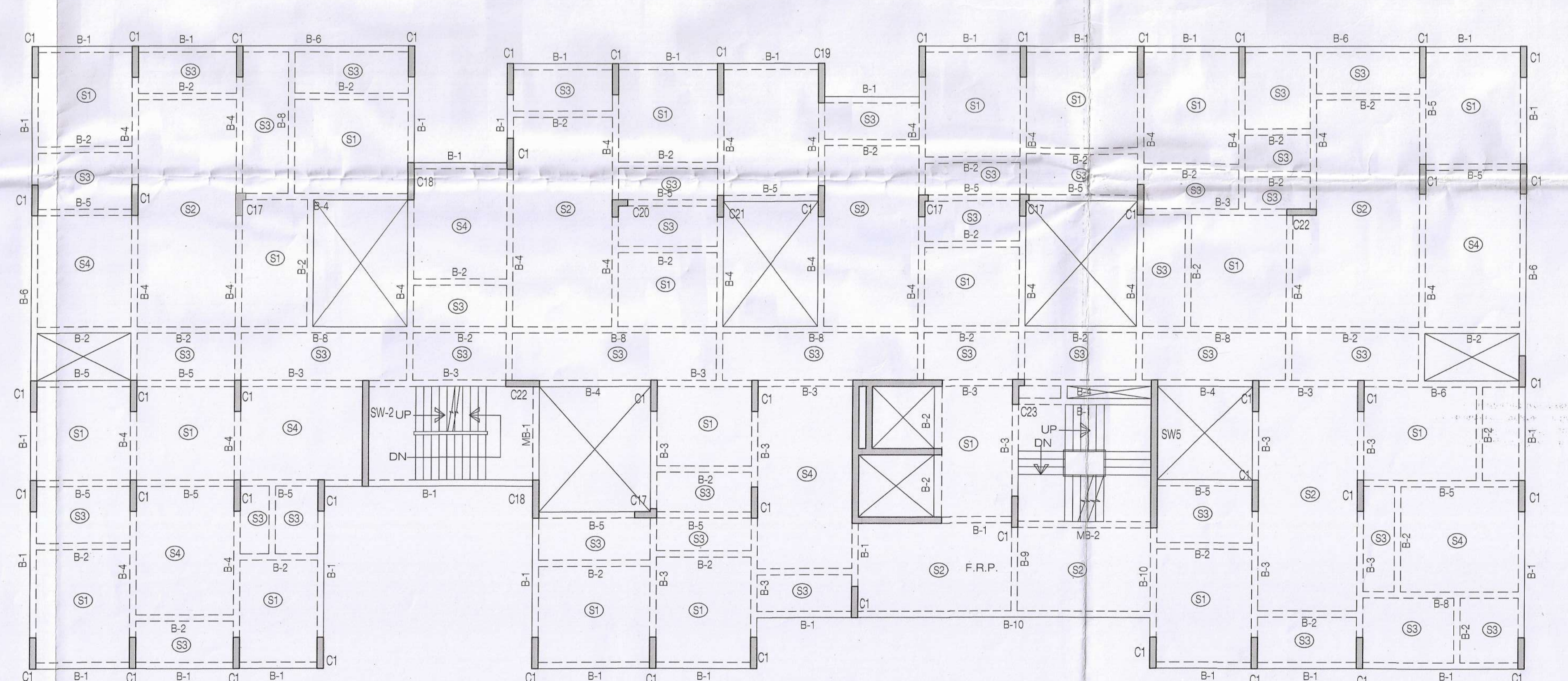


TYPICAL FLOOR BEAM LAYOUT WING 1

VETTED
Dipesh Majumdar
Assistant Professor
Department of Construction Engineering
Jadavpur University



1ST. FLOOR BEAM LAYOUT WING 2



TYPICAL FLOOR BEAM LAYOUT WING 2

SANJIV J. PAREKH
M.E. (STRUCT.), M.E. (CONST. ENG.)
B.C.E., F.F.E. (P-018202-4)
E.S.E. 147 S.M.C.
SIGNATURE OF STRUCTURAL ENGINEER

TITLE
FLOOR BEAM LAYOUT & SCHEDULE
(SUBMISSION DRAWING)

GREEN ARCHITECTURE CONSULTING ENGINEERS PVT. LTD.

F-0108, 1ST. FLOOR CITY CENTRE, OFFICE BLOCK UTTORAYON, SILIGURI- 734010

STRUCTURAL ENGINEERS S.P.A. CONSULTANTS

34, RAM MOHAN DUTTA ROAD CALCUTTA - 700020.
PH. NO. 2485-3448/3449/2475-7614 (TELE FAX)
E-mail: sps_consultants@yahoo.co.in

DRAWN BY: RANJAN **CHECKED BY:** SHIVMANDIR **DATE:** 09.02.2023 **SCALE:** 1:100,25

JOB NO. 2023_25_GACE_SHIVMANDIR **DRG. NO.** 2023 / 25 / GACE / SHIVMANDIR / CD-02

May be Sanctioned
[Signature]
Architect
Siliguri Mahakuma Parishad

Technically Approved
[Signature]
District Engineer
Siliguri Mahakuma Parishad
Siliguri, Dist. Darjeeling

The Construction of the Building shall be supervised by the Licensed Building Surveyor/Architect signing the plan application. Unless otherwise approved by the Authority the permission shall remain valid for a period of TWO YEARS.
Registration No. 309. Permission Granted/Permission granted subject to the condition as noted in the ORDER. Building plans also to be approved by the Matigara Panchayat Samity, before the proposed construction undertaken

VIDE ORDER NO 114/JMPS
DATE 14.10.2024

[Signature]
Executive Officer
Matigara Panchayat Samity
P.O. Kadamtala, Dist. Darjeeling

[Signature]
Junior Engineer (RWP)
Matigara Development Block
&
Building Plan In Charge
Matigara Panchayat Samity

APPROVED
[Signature]
Executive Officer
Matigara Panchayat Samity
P.O. Kadamtala Dist. Darjeeling

NETTED

[Signature]

Dr. Dipesh Mahapatra
Assistant Professor
Department of Geomatics Engineering
Jalpaiguri University