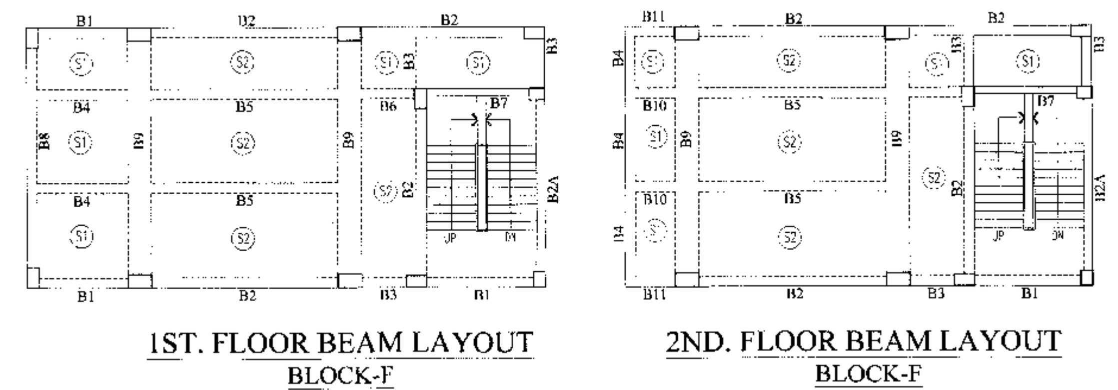


TYPICAL FLOOR BEAM SCHEDULE (BL - E)
GRADE OF CONCRETE - M25

BEAM MKD	BEAM SIZE		REINFT. AT SUPPORT		REINFT. AT MID SPAN		STIRRUPS AT SUPPORT(0.3L)	STIRRUPS AT SPAN
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM		
B1	300	500	3-16Φ	2-16Φ	2-16Φ	3-16Φ	8Φ-100C/C	8Φ-200C/C
B2	300	500	4-16Φ	2-16Φ	2-16Φ	4-16Φ	8Φ-100C/C	8Φ-150C/C
B2A	250	500	4-16Φ	2-16Φ	2-16Φ	4-16Φ	8Φ-100C/C	8Φ-150C/C
B3	300	500	3-16Φ	3-16Φ	3-16Φ	3-16Φ	8Φ-100C/C	8Φ-100C/C
B4	300	500	2-16Φ	2-16Φ	2-16Φ	2-16Φ	8Φ-150C/C	8Φ-150C/C
B5	300	500	5-16Φ	3-16Φ	3-16Φ	6-16Φ	8Φ-150C/C	8Φ-150C/C
B6	300	500	3-16Φ	3-16Φ	3-16Φ	3-16Φ	8Φ-150C/C	8Φ-150C/C
B7	200	500	3-16Φ	2-16Φ	2-16Φ	3-16Φ	8Φ-100C/C	8Φ-150C/C
B8	300	500	6-16Φ	3-16Φ	3-16Φ	5-16Φ	8Φ-100C/C	8Φ-150C/C
B9	700	500	12-20Φ	6-20Φ	6-20Φ	12-20Φ	4L-10Φ-100C/C	4L-10Φ-125C/C
B10	300	500	5-20Φ	3-20Φ	5-20Φ	3-20Φ	4L-10Φ-100C/C	4L-10Φ-100C/C
B11	300	500	6-20Φ	3-20Φ	6-20Φ	3-20Φ	4L-10Φ-100C/C	4L-10Φ-100C/C

TYPICAL FLOOR BEAM SCHEDULE (BL - A to D)
GRADE OF CONCRETE - M25

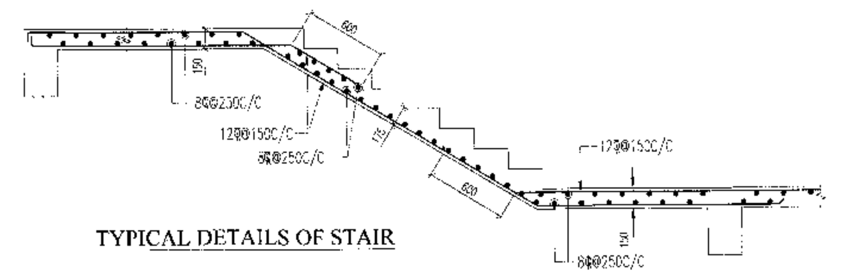
BEAM MKD	BEAM SIZE		REINFT. AT SUPPORT		REINFT. AT MID SPAN		STIRRUPS AT SUPPORT(0.3L)	STIRRUPS AT SPAN
	WIDE	DEPTH	TOP	BOTTOM	TOP	BOTTOM		
B1	200	400	2-16Φ	2-16Φ	2-16Φ	2-16Φ	8Φ-150C/C	8Φ-150C/C
B2	200	400	2-16Φ	2-16Φ	2-16Φ	3-16Φ	8Φ-150C/C	8Φ-150C/C
B3	250	400	2-16Φ	2-16Φ	2-16Φ	3-16Φ	8Φ-150C/C	8Φ-150C/C
B4	200	400	3-16Φ	2-16Φ	2-16Φ	3-16Φ	8Φ-100C/C	8Φ-200C/C
B5	200	400	3-16Φ	2-16Φ	2-16Φ	2-16Φ	8Φ-100C/C	8Φ-200C/C
B6	200	400	3-16Φ	2-16Φ	2-16Φ	4-16Φ	8Φ-100C/C	8Φ-150C/C
B7	200	400	3-16Φ	2-16Φ	3-16Φ	2-16Φ	8Φ-100C/C	8Φ-100C/C
B8	200	400	3-16Φ	2-16Φ	2-16Φ	3-16Φ	8Φ-100C/C	8Φ-200C/C
B9	250	400	3-16Φ	2-16Φ	2-16Φ	3-16Φ	8Φ-100C/C	8Φ-200C/C

TYPICAL FLOOR BEAM SCHEDULE (BL - A to D)
GRADE OF CONCRETE - M25

SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	125	8 Φ @400C/C ST. 8 Φ @400C/C CKD.	8 Φ @400C/C ST. 8 Φ @400C/C CKD.
S2	125	8 Φ @400C/C ST. 8 Φ @400C/C CKD.	8 Φ @400C/C ST. 8 Φ @400C/C CKD.
S3	125	8 Φ @300C/C ST. 8 Φ @300C/C CKD.	8 Φ @300C/C ST. 8 Φ @300C/C CKD.
S4	125	8 Φ @250C/C ST. 8 Φ @250C/C CKD.	8 Φ @250C/C ST. 8 Φ @250C/C CKD.

TYPICAL FLOOR BEAM SCHEDULE (BL - E)
GRADE OF CONCRETE - M25

SLAB MKD.	DEPTH	REINFT. AT SHORTER SPAN	REINFT. AT LONGER SPAN
S1	150	8 Φ @300C/C ST. 8 Φ @300C/C CKD.	8 Φ @300C/C ST. 8 Φ @300C/C CKD.
S2	150	8 Φ @250C/C ST. 8 Φ @250C/C CKD.	8 Φ @300C/C ST. 8 Φ @300C/C CKD.



TYPICAL DETAILS OF STAIR

TYP. DETAILS OF BAND
(200X200) AT LINTEL LVL. (ALL THROUGH)

UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON. IT IS CERTIFIED THAT THE EXISTING SOIL OF THE SITE IS ABLE TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED HEREIN IS SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

JISHNU PAL
B.Tech (Civil), M.E (Geo-tech)
KMC Reg No: G.T/I/32
GTER/NKDA/10/0043
22/RJSON/G-T-I/2016-17

SIGNATURE OF GEOTECH ENGINEER
JISHNU PAL
LBS LIC NO. : G.T./I/32
ADDRESS:
NORTH BAKSARA PALPARA, HOWRAH
P.O.- BAKSARA, P.S.- JAGACHA,
PIN - 711110

1. ENGAGED ARCHITECT AND E.S.E DURING CONSTRUCTION
2. FOLLOWED THE INSTRUCTIONS OF ARCHITECT AND E.S.E DURING CONSTRUCTION OF THE BUILDING.
3. K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURE STABILITY OF BUILDING AND ADJOINING STRUCTURE.
4. IF ANY SUBMITED DOCUMENT IS FOUND TO BE FAKE THE K.M.C AUTHORITY MAY REVOKE THE SANCTION PLAN.
5. THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK EXECUTED UNDER THE GUIDENCE OF ARCHITECT & E.S.E

NORTECH PROPERTY PVT. LTD.
ANIRUDH MODI (DIRECTOR)
CONSTITUTED ATTORNEY FOR
BHAGIRATHI ABASAN PVT. LTD. AND 23 OTHERS

NAME OF OWNER
ANIRUDH MODI (DIRECTOR)
DIRECTOR OF NORTECH PROPERTY PVT. LTD. CONSTITUTED ATTORNEY FOR BAGIRATHI ABASAN PVT. LTD. & 23 OTHERS
ADDRESS:
5C, ELGIN ROAD, ORIENTAL HOUSE,
KOLKATA - 700073.

CERTIFICATE OF STRUCTURAL 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".

SANJIV J. PAREKH
M.E.(STRUCT.), M.E.(CONST. ENG.),
E.S.E. No. 104 (I) K.M.C.

SIGNATURE OF STRUCTURAL ENGINEER
SANJIV. J. PAREKH
E.S.E. I (104),
ADDRESS:
34 RAMMOHAN DUTTA ROAD,
KOLKATA - 700020

CERTIFICATE OF ARCHITECT

THE L.B.A. HAS CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF K.M.C. BLDG. RULES 2009, AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF THE ABUTTING ROAD CONFIRM WITH THE PLAN AND IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP TANK

Rajkumar Agarwal
Architect
Member of Council of
Architecture CA / 94 / 17940

SIGNATURE OF ARCHITECT
RAJ KUMAR AGARWAL
COUNCIL REGISTRATION NO. CA/94/17940
ADDRESS:
RAJ AGRAWAL & ASSOCIATES
8B, ROYD STREET (2ND FLOOR),
KOLKATA-700016

NOTES:-
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 COMMENCING THE WORK.
4. THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
5. ALL GRADE OF CONCRETE M25
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 8 Φ @ 250 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
9. ALL CHAIRS ARE 10 Φ AND TO BE PROVIDED WHEREVER REQUIRED.
10. ALL SPACER BARS ARE 25 Φ @ 300 C/C AND TO BE PROVIDED WHEREVER 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. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. FOUNDATION BEAM & SLAB	50	50	50
b. COLUMN			40
c. FLOOR BEAM.	30	30	30
d. TIE BEAM.	30	30	30
e. FLOOR SLAB.	20	20	20

PROJECT
PROPOSED G+1 STORIED (6.7 M.) RESIDENTIAL & G+II STORIED (12.45 M.) AMENITIES BUILDING AT 9 /12 /5, YENI SARANI, MOUZA-KALUA, UNDER R.S. DAG NO.-830(P),& 830/1303, R.S. KHATIAN NO.-907 & 894, TOUJI NO.- 98, & 58, R.S. NO - 336, J.L. NO - 22, CORRESPONDING TO L.R. DAG NO. - 840 & 867, L.R. KHATIAN NO.-7075,7076,7077,7078,7079,7080,7081, 7082,7083,7084,7085,7086,7087,7088,7089,7090,7091,7092, 7093,7094,7095, 7096,7097,7098, BOROUGH -XVI, P.S. - HARIDEVPUR,
DIST - 24 PARGANAS(SOUTH) WITHIN THE K.M.C. PRE. NO. - 9/12/5, YENI SARANI, WARD NO.- 143, KOLKATA - 700104.

TITLE
STRUCTURAL LAYOUT PLAN FLOOR LAYOUT & SCHEDULE

ARCHITECTS
RAJ AGRAWAL & ASSOCIATES
8B, ROYD STREET,
KOLKATA-16

STRUCTURAL ENGINEERS
S.P.A. CONSULTANTS
34, RAM MOHAN DUTTA ROAD
KOLKATA - 700020., PH. NO -2485-5448, 2485-5449,
E-MAIL spa_cons@yahoo.co.in

DRAWN BY - Debraj Maity	CHECKED BY		DATE - 17.02.2022	SCALE : 1:100,25
JOB NO.	2021	219	RAJ.AG	KALUA - JOKA
DRG. NO.	2021-219/RAJ.AG/KALUA-JOKA - ST - 07			