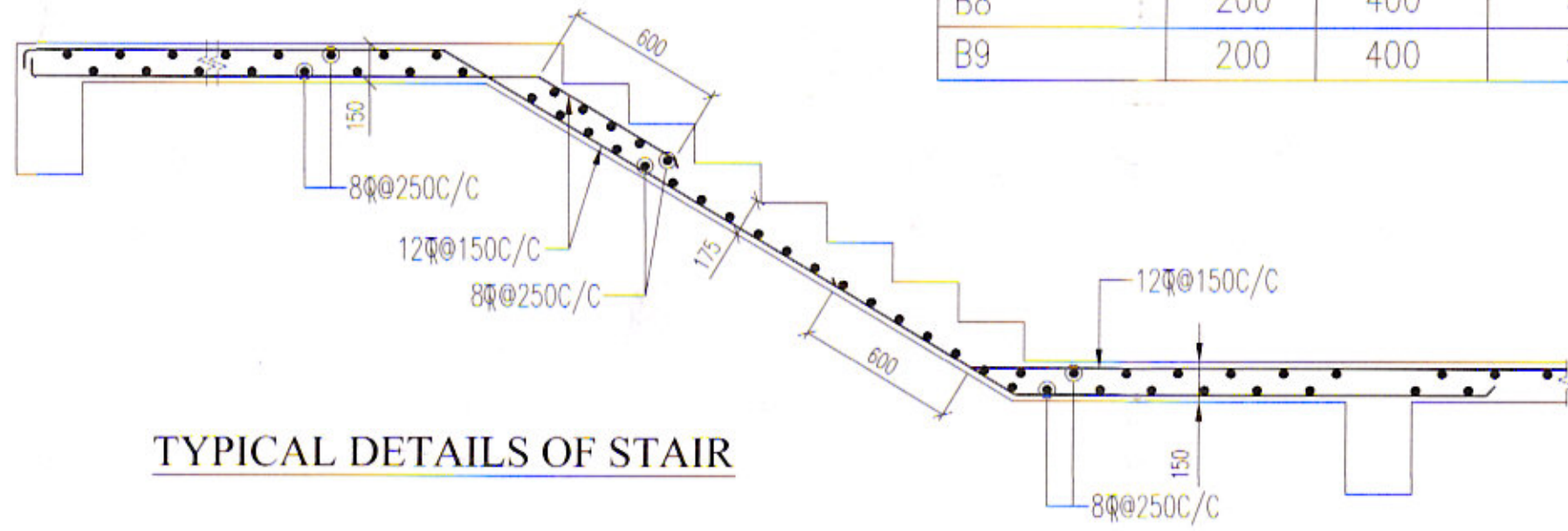


TYP. DETAILS OF BAND (200X200) AT LINTEL LVL. (ALL THROUGH)



TYPICAL DETAILS OF STAIR

TYPICAL FLOOR BEAM SCHEDULE (BL - A to M)
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 | 2-16 ϕ | 2-16 ϕ | 2-16 ϕ | 2-16 ϕ | 8 ϕ -150C/C | 8 ϕ -150C/C |
| B2 | 200 | 400 | 2-16 ϕ | 2-16 ϕ | 2-16 ϕ | 3-16 ϕ | 8 ϕ -150C/C | 8 ϕ -150C/C |
| B3 | 200 | 400 | 2-16 ϕ | 2-16 ϕ | 2-16 ϕ | 3-16 ϕ | 8 ϕ -150C/C | 8 ϕ -150C/C |
| B4 | 200 | 400 | 3-16 ϕ | 2-16 ϕ | 2-16 ϕ | 3-16 ϕ | 8 ϕ -100C/C | 8 ϕ -200C/C |
| B5 | 200 | 400 | 3-16 ϕ | 2-16 ϕ | 2-16 ϕ | 2-16 ϕ | 8 ϕ -100C/C | 8 ϕ -200C/C |
| B6 | 200 | 400 | 3-16 ϕ | 2-16 ϕ | 2-16 ϕ | 4-16 ϕ | 8 ϕ -100C/C | 8 ϕ -150C/C |
| B7 | 200 | 400 | 3-16 ϕ | 2-16 ϕ | 3-16 ϕ | 2-16 ϕ | 8 ϕ -100C/C | 8 ϕ -100C/C |
| B8 | 200 | 400 | 3-16 ϕ | 2-16 ϕ | 2-16 ϕ | 3-16 ϕ | 8 ϕ -100C/C | 8 ϕ -200C/C |
| B9 | 200 | 400 | 3-16 ϕ | 2-16 ϕ | 2-16 ϕ | 3-16 ϕ | 8 ϕ -100C/C | 8 ϕ -200C/C |

TYPICAL FLOOR BEAM SCHEDULE (BL - A to M)
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. |

Reb: NDC issued by the secretary,
Pradhin Bardhaman Zilla Parishad,
vide memo no. 3966/Estt/PSAZP,
Dated. 11.11.2022

Approved

Pradhan
Gopalpur Gram Panchayat
P.S.-Kanksa, Dist.-Burdwan

CERTIFICATE OF STRUCTURAL ENGINEER

CERTIFIED THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAVE BEEN SO DESIGNED BY ME TO SAFE IN ALL RESPECTS INCLUDING THE CONSIDERATION OF BEARING CAPACITY OF SOIL.

SANJIV J. PAREKH
M.E.(STRUCT.), M.E.(CONST. ENG.),
B.C.E., (FE-018202-4)
E.S.E. No. 104 (D) K.M.C.

SIGN. OF STRUCTURAL ENGINEER.

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

SIGNATURE OF ARCHITECT

PROJECT
PROPOSED (G+1) STORIED (6.7 M.) RESIDENTIAL APARTMENT OVER L.R. DAG NOS. 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2489, 2491, 2492, 2493, 2494, 2495 AND 2496 RECORDED IN L.R. KHATIAN NOS. 789, 2815, 2816, 1361, 231, 457, 635, 316, 638, 234, 1745, 1867, 424, 15, 636, 328, 847, 803, 531, 55, 1943, 133, 572/1, 831/1, 16/1, 1942, 2050, 842, 357, 158, 627, 234, 801, 761, 172 AND 4, MOUZA BAMUNARA, J.L. NOS. 58, POLICE STATION KANKSA, GOPALPUR GRAM PANCHYAT, DISTRICT BURDWAN.

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 Moity
CHECKED BY -
DATE - 23.08.2022
SCALE : 1:100,25

JOB NO. 2011 02 RAJ.AG DURGAPUR/ROW HOUSING

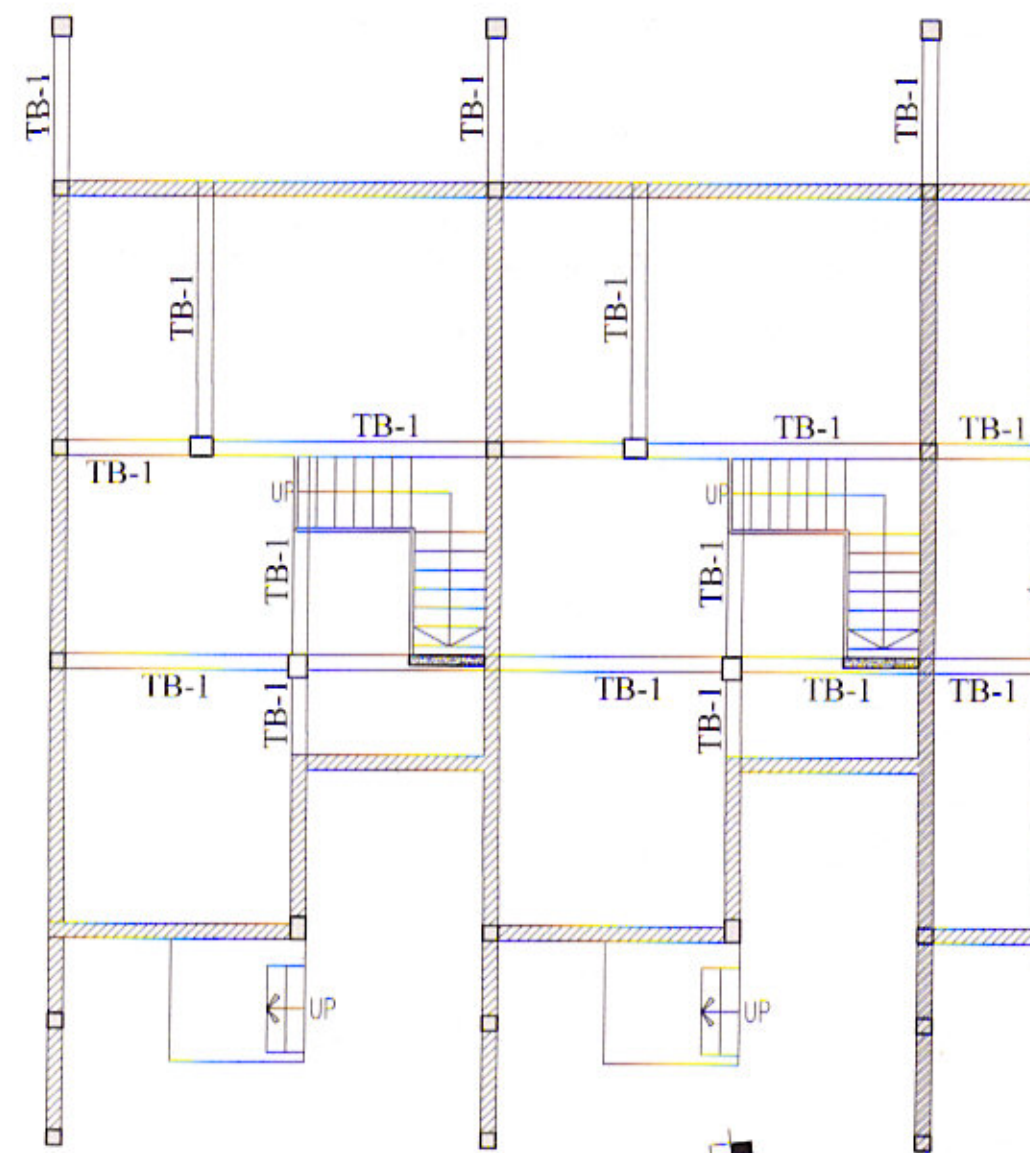
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NOTES:-

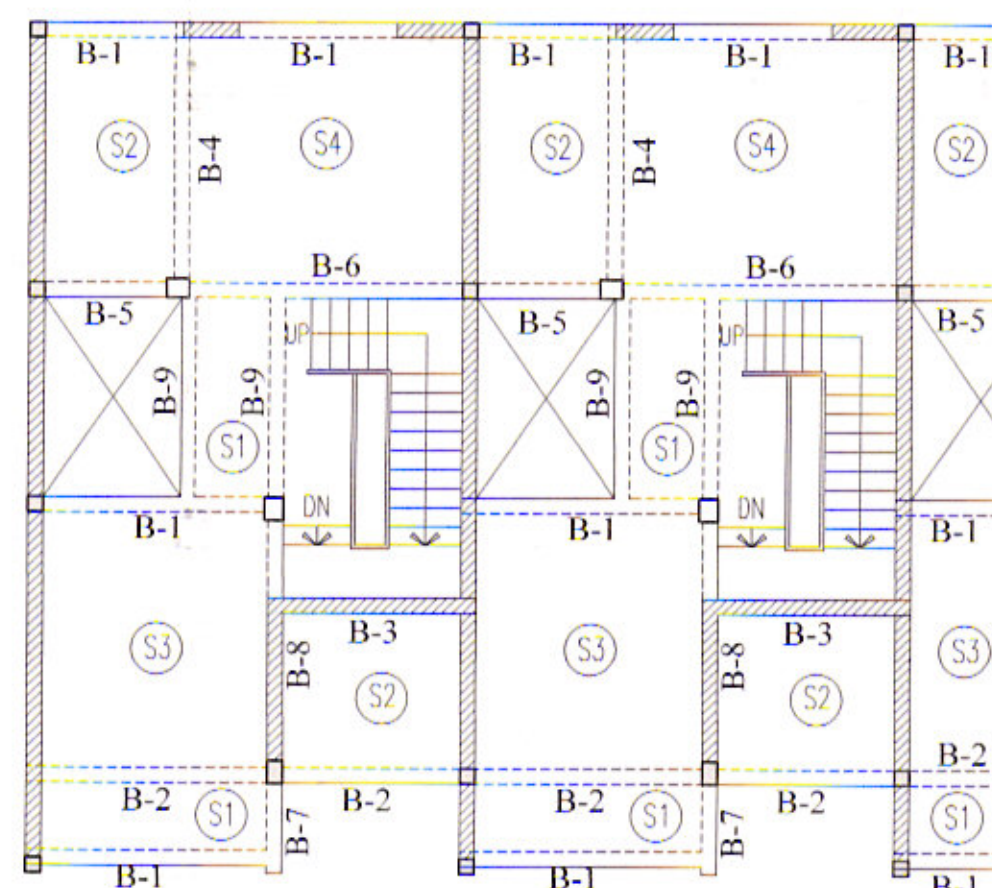
- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
- ANY AMBIGUITY IN THE DRAWINGS SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF THE CONSULTANT BEFORE COMMENCING THE WORK
- THIS DRAWING IS TO BE READ ALONG WITH ALL RELEVANT ARCHITECTURAL DRAWINGS.
- ALL GRADE OF CONCRETE M25
- ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
- FOR STEEL GRADE Fe 500 AS PER I.S 1786-1979.
- ALL DISTRIBUTION BARS ARE 8 ϕ @ 250 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
- ALL CHAIRS ARE 10 ϕ AND TO BE PROVIDED WHEREVER REQUIRED.
- ALL SPACER BARS ARE 25 ϕ @ 300 C/C AND TO BE PROVIDED WHEREVER REQUIRED.
- LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'd' IS THE SMALLEST 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 30 30 40
c. FLOOR BEAM. 30 30 30
d. TIE BEAM. 30 30 30
e. FLOOR SLAB. 20 20 20

Signed
CONSTITUTED ATTORNEY

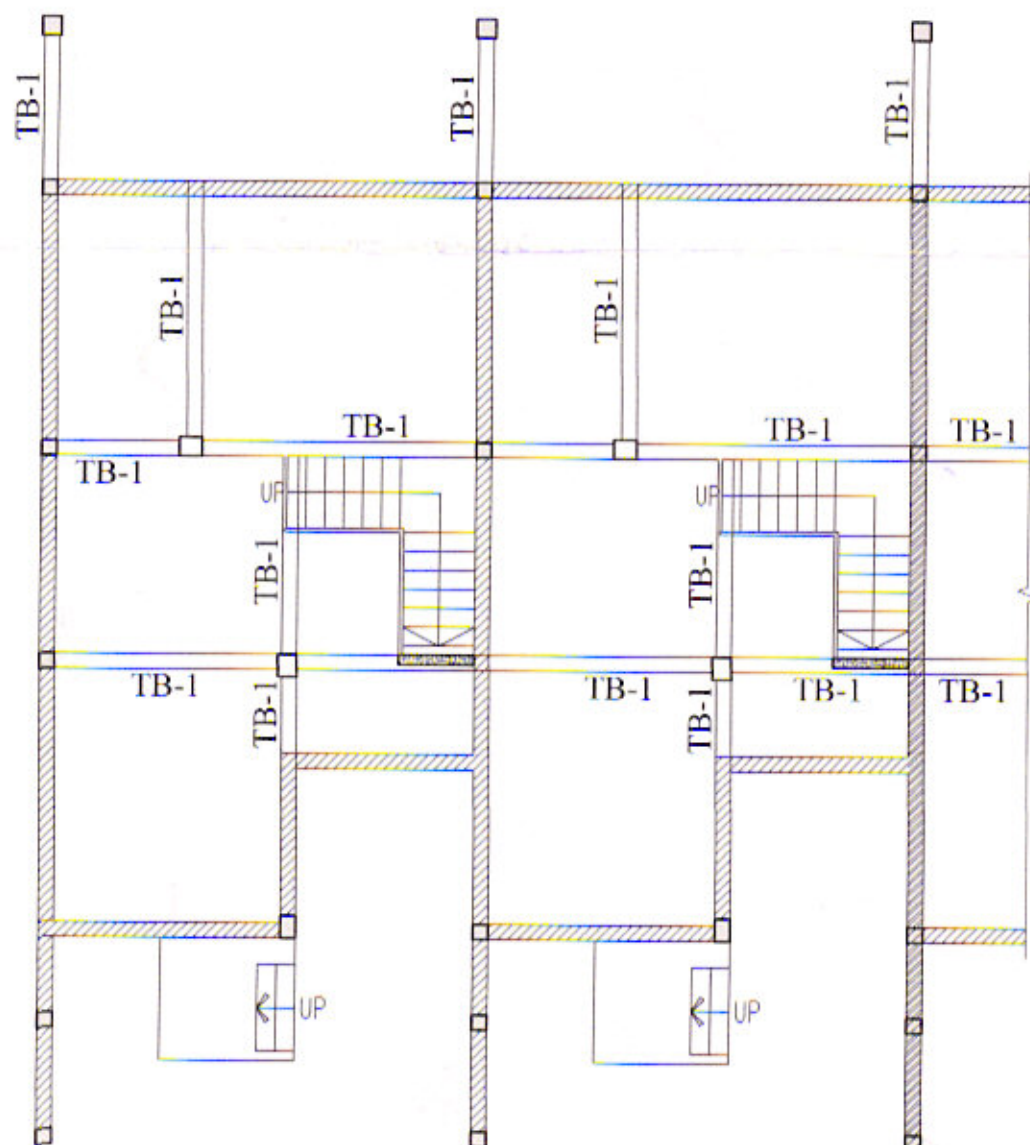
SIGNATURE OF OWNER



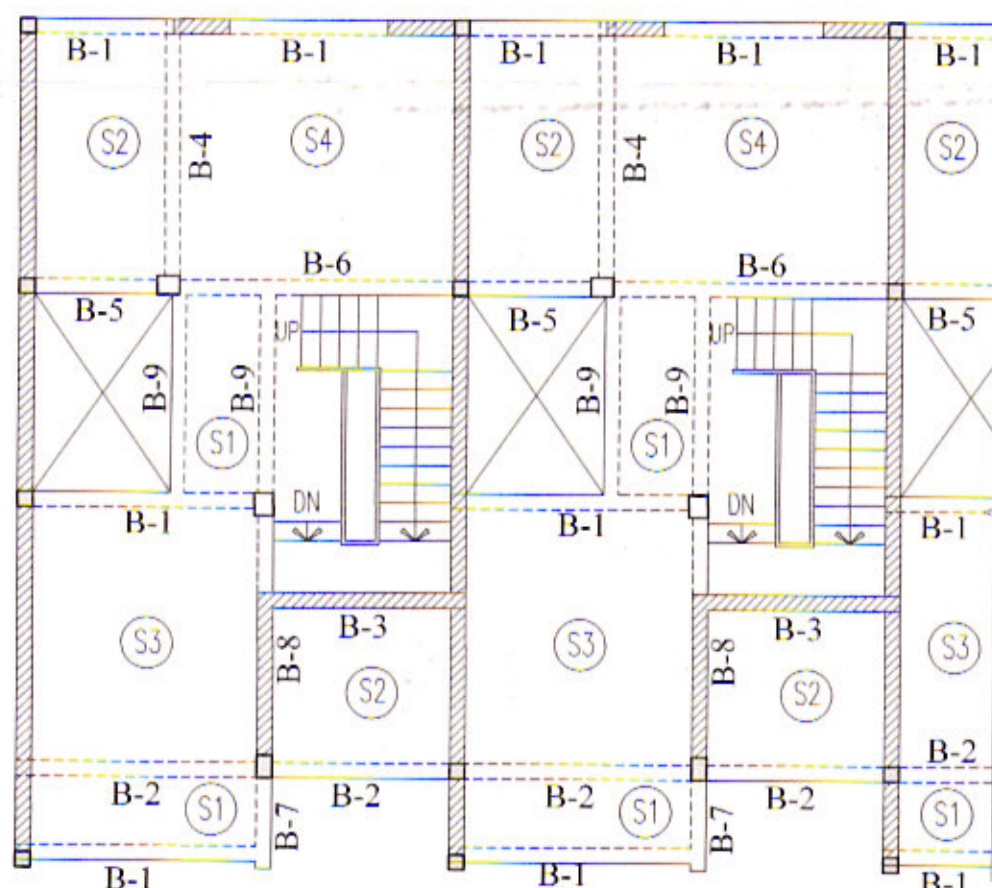
TIE BEAM LAYOUT SOUTH FACING BUNGLOW



1ST. FLOOR BEAM LAYOUT SOUTH FACING BUNGLOW



TIE BEAM LAYOUT NORTH FACING BUNGLOW



1ST. FLOOR BEAM LAYOUT NORTH FACING BUNGLOW