

SCHEDULE OF FOUNDATION

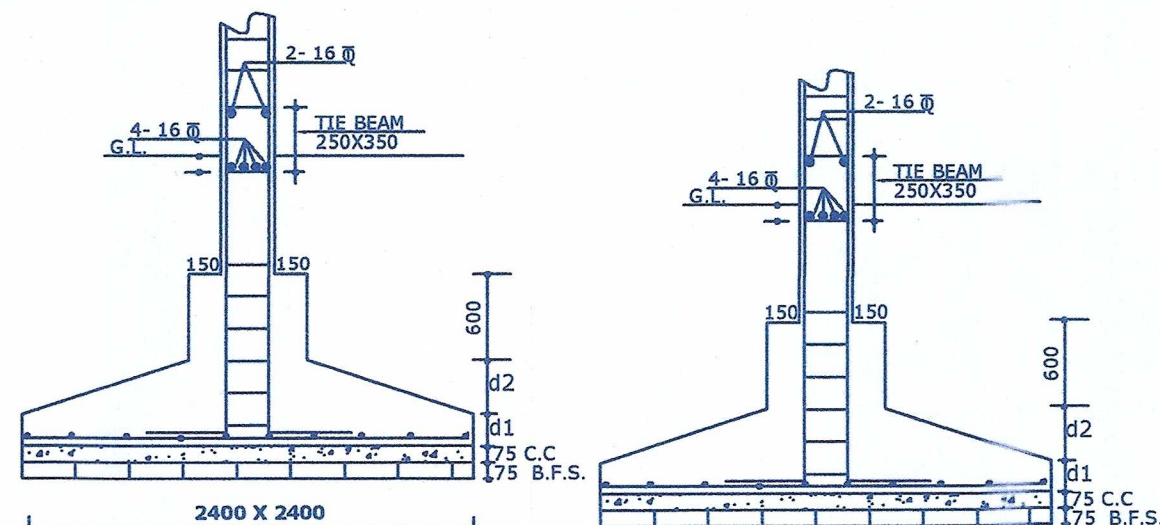
COLUMN MKD.	FOOTING SIZE	PEDESTAL SIZE	d1	d2	REINFORCEMENT	
					SHORT SPAN	LONG SPAN
COL.- A6, A9, B5, B11, C3, C13, D2, D14, E1, E15, F1, G4, H7, I10, J12, J15	2400 X 2400	450X500X600	250	300	12 @ 110mm C/C	12 @ 110mm C/C
COL.- B8, C8, E4, E7, E10, E12	2700 X 2700	450X550X600	250	300	12 @ 100mm C/C	12 @ 100mm C/C
COL.- D8 - D10 (COMBINED)	2450 X 5174	450X550X600	250	300	12 @ 100mm C/C	12 @ 110mm C/C

SCHEDULE OF R.C.C. COLUMN REINFORCEMENT

COLUMN MKD	REINFORCEMENT				STIRRUPS
	GROUND & FIRST FLOOR		SECOND / THIRD FLOOR		
	SIZE	LONG BAR	SIZE	LONG BAR	
COL.- A6, A9, B5, B11, C3, C13, D2, D14, E1, E15, F1, G4, H7, I10, J12, J15	300 X350	8-16 @	300 X300	6-16 @	2L-8 @ 150 C/C
COL.- B8, C8, D8, D10, E4, E7, E10, E12	300 X400	4-16 @ + 4-20 @	300 X 350	8-16 @	2L-8 @ 150 C/C

SCHEDULE OF BEAM

BEAM M-K-D	BEAM SIZE	REINFORCEMENT							
		SUPPORT		SPAN		MID SUPPORT		SHEAR REINFORCEMENT	
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	SUPPORT	SPAN
GRID- 1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 13, 14, 15, A, F, G, H, I, J	250X400	4-16 @	4-16 @	4-16 @	4-16 @			2L-8 @ 125 C/C	2L-8 @ 150 C/C
GRID-8, 10, B, C, D, E	250X500	6-16 @	4-16 @	4-16 @	5-16 @	6-16 @	4-16 @	2L-8 @ 125 C/C	2L-8 @ 150 C/C

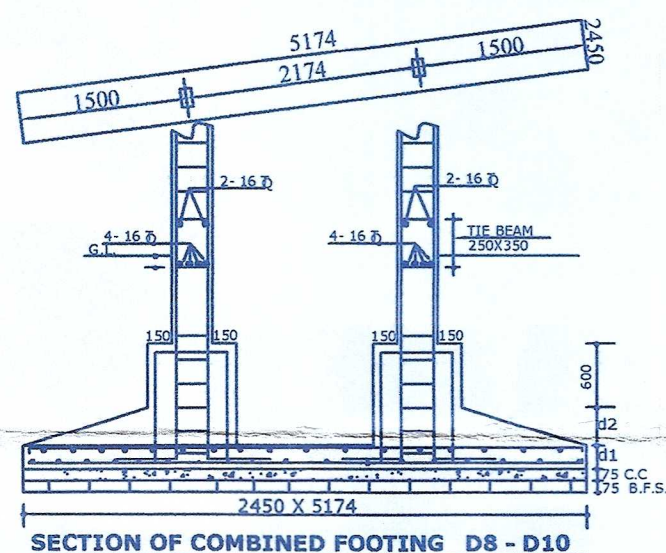


ISOLATED COLUMN FOOTING

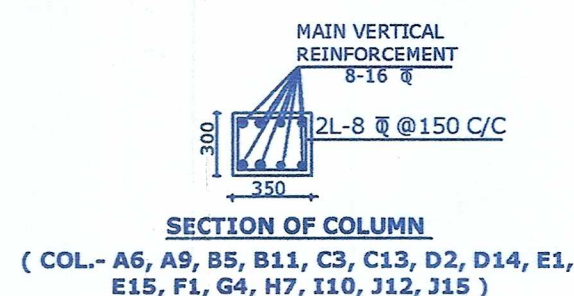
(COL.- A6, A9, B5, B11, C3, C13, D2, D14, E1, E15, F1, G4, H7, I10, J12, J15)

ISOLATED COLUMN FOOTING

(COL.- B8, C8, E4, E7, E10, E12)

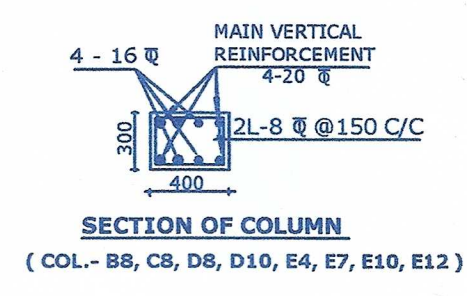


SECTION OF COMBINED FOOTING D8 - D10



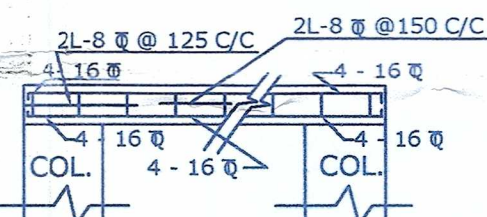
SECTION OF COLUMN

(COL.- A6, A9, B5, B11, C3, C13, D2, D14, E1, E15, F1, G4, H7, I10, J12, J15)



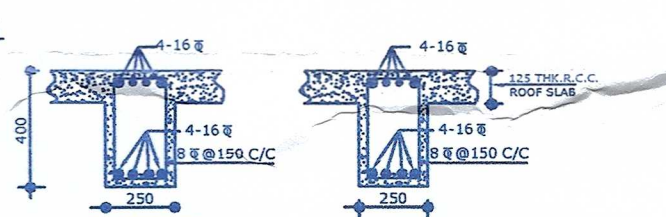
SECTION OF COLUMN

(COL.- B8, C8, D8, D10, E4, E7, E10, E12)

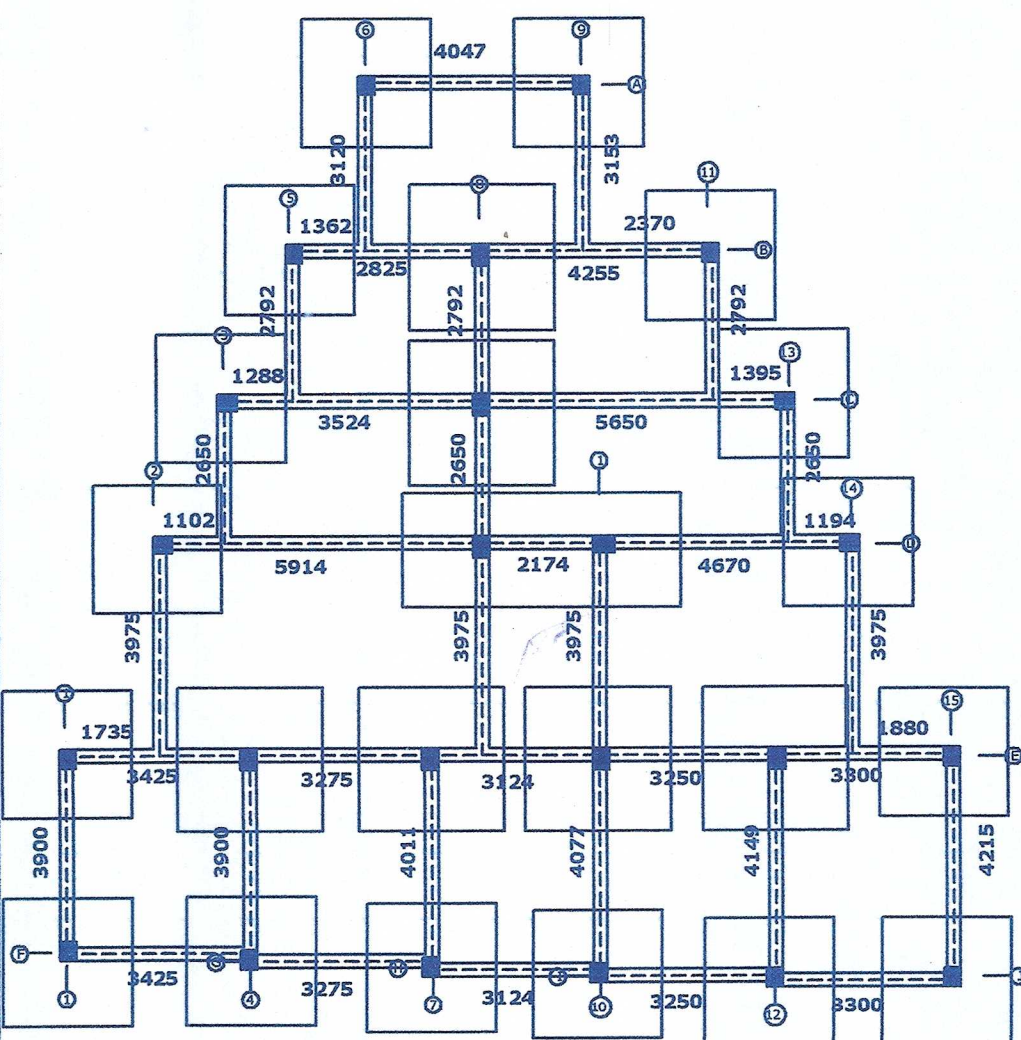


LONG SECTION OF A BEAM

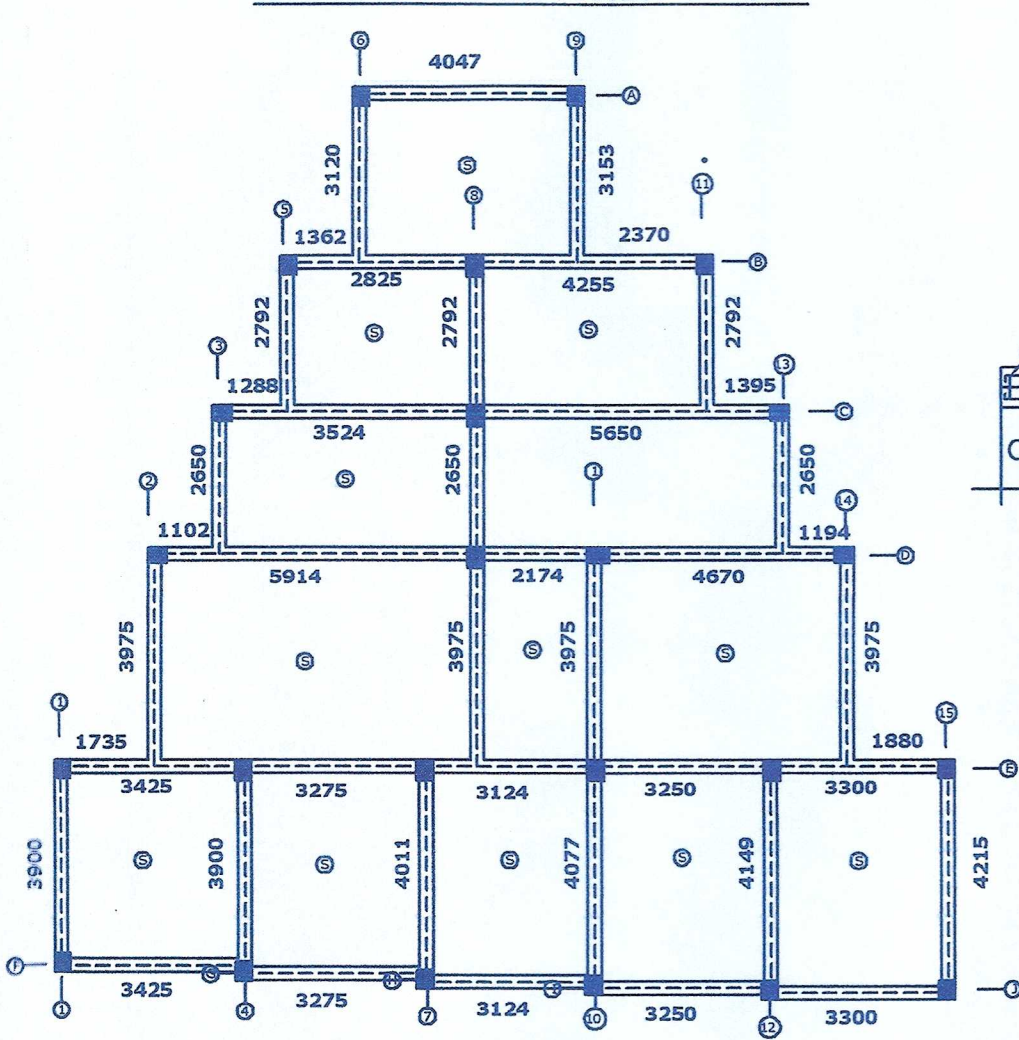
(GRID- 1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 13, 14, 15, A, F, G, H, I, J)



CROSS SECTION OF A R.C.C. BEAM



GRID DIAGRAM



DTLS. OF R.C.C. ROOF BEAM & SLABS

Sanction Serial No. 1868

Building Plan Sanctioned Meeting Date: 14.08.2023

Executive Office Barasat Municipality

Sanctioned / approved
Chairman Barasat Municipality

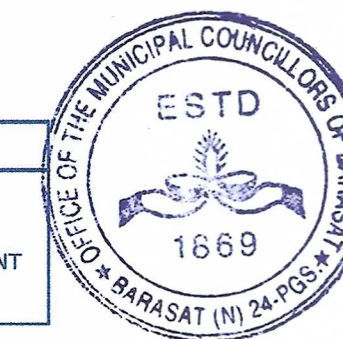
SCHEDULE OF SLAB

THICKNESS OF SLAB : 125 mm
 PROVIDE 8 mm DIA BARS @ 100 mm C/C IN SHORT SPAN AND PROVIDE 8 mm DIA BARS @ 125 mm C/C IN LONG SPAN.
 USE, SHORT PIECES 10 mm DIA BARS OVER TOP LAYER OF DISCONTINUOUS SUPPORT TO MATCH THE SPACING AT PER WITH SPAN REINFORCEMENT.

SCHEDULE OF STAIR

THICKNESS OF LANDING SLAB : 150 mm
 THICKNESS OF WAIST SLAB : 150 mm
 provide 12 mm DIA BARS @ 125 mm C/C AS MAIN REINFORCEMENT USE, 10 mm DIA BARS @ 150 mm C/C AS DISTRIBUTION BARS.

Sanctioned / approved
Chairman Barasat Municipality



STRUCTURAL DETAILS FOR THE PROPOSED G+THREE STORIED RESIDENTIAL CUM COMMERCIAL BUILDING OF SMT. KRISHNA DUTTA AND SRI ANIRBAN DUTTA SITUATED AT MOUZA: HRIDAYPUR, J.L. NO. 41, R.S. DAG NO. 363, L.R. DAG NO. 851/ 1412, R.S. KHATIAN NO. 127, L.R. KHATIAN NO. 28, R.S. NO. 242, HOLDING NO.80/A,H.N. SEN ROAD IN WARD NO.30 UNDER P.S. AND MUNICIPALITY BARASAT, DISTT. NORTH 24 PARGANAS.

NOTES

- ALL DIAMENSIONS ARE IN MILLIMETER UNLESS OTHERWISE MENTIONED
- FIGURED DIMENSIONS SHALL BE FOLLOWED.
- FOR DETAILS BELOW PLINTH LEVEL REFER STRUCTURAL DRAWING.
- DEPTH OF FOUNDATION OF SEPTICK TANK & SEMI UNDER GROUND WATER RESERVOIR SHOULD NOT EXCEED THE DEPTH OF FOUNDATION OF THE BUILDING.
- ALL WALLS ARE CONSTRUCTED WITH 1: 4 CEMENT SAND MORTAR.
- GRADE OF STEEL USED IS Fe 415 TMT BAR AND GRADE OF CONCRETE IS M 20 FOR BASEMENT WORK AND M20 FOR OTHERS.
- PLAIN CEMENT CONCRETE WITH BRICK KHOA IN 1:3:6 RATIO IS USED.
- 1:4 CEMENT SAND PLASTER IS USED FOR R.C.C. WORKS.
- 1:6 CEMENT SAND PLASTER IS USED FOR BRICK WORKS.
- CLEAR COVER TO BE MAINTAINED FOR

1. FOUNDATION - 50 mm.	3. BEAM - 35 mm.
2. COLUMN - 40 mm.	4. SLAB - 15 mm.
- LAP LENGTH TO BE CONSIDERED

DIA OF BAR	M20 GRADE OF CONCRETE
6	300
8	380
10	470
12	570
16	770
- THIS DRAWING IS THE SOLE PROPERTY OF THE CONSULTANT & NO COPY OF IT SHOULD BE MADE WITHOUT THE EXPRESS WRITTEN PERMISSION FROM THE CONSULTANT.

DECLARATION OF OWNER/S

I WOULD DECLARE THAT I HAVE GONE THROUGH THE BUILDING BI-LAWS FOR BARASAT MUNICIPALITY AND ALSO UNDERTAKE TO ABIDE BY THOSE RULES DURING AND AFTER CONSTRUCTION OF THE BUILDING AND ALSO DECLARE THAT I SHALL NOT ON ALTER DATE MAKE ANY ALTERATION TO THIS PLAN.

DECLARATION OF STRUCTURAL ENGINEER

CERTIFIED THAT THE STRUCTURAL DESIGN AND DRAWINGS OF FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN ON CONSIDERING THE ALL POSSIBLE LOADS INCLUDING SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE AND OTHER IS CODE OF PRACTISE AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

SIGNATURE OF OWNER/S

Archanu Pal
 KOLKATA 700124
 ARCHITECTURE ASSOCIATION

SIGNATURE OF ENGINEER

Sanjay Basu
 B.E.(Cal), M.E., F.I.V
 Chartered Engineer & Valuer
 L.B.S.-I & Structural Engineer-I, KMC

REF NO. 527/LS/STR/2023 OF 06.05.2023