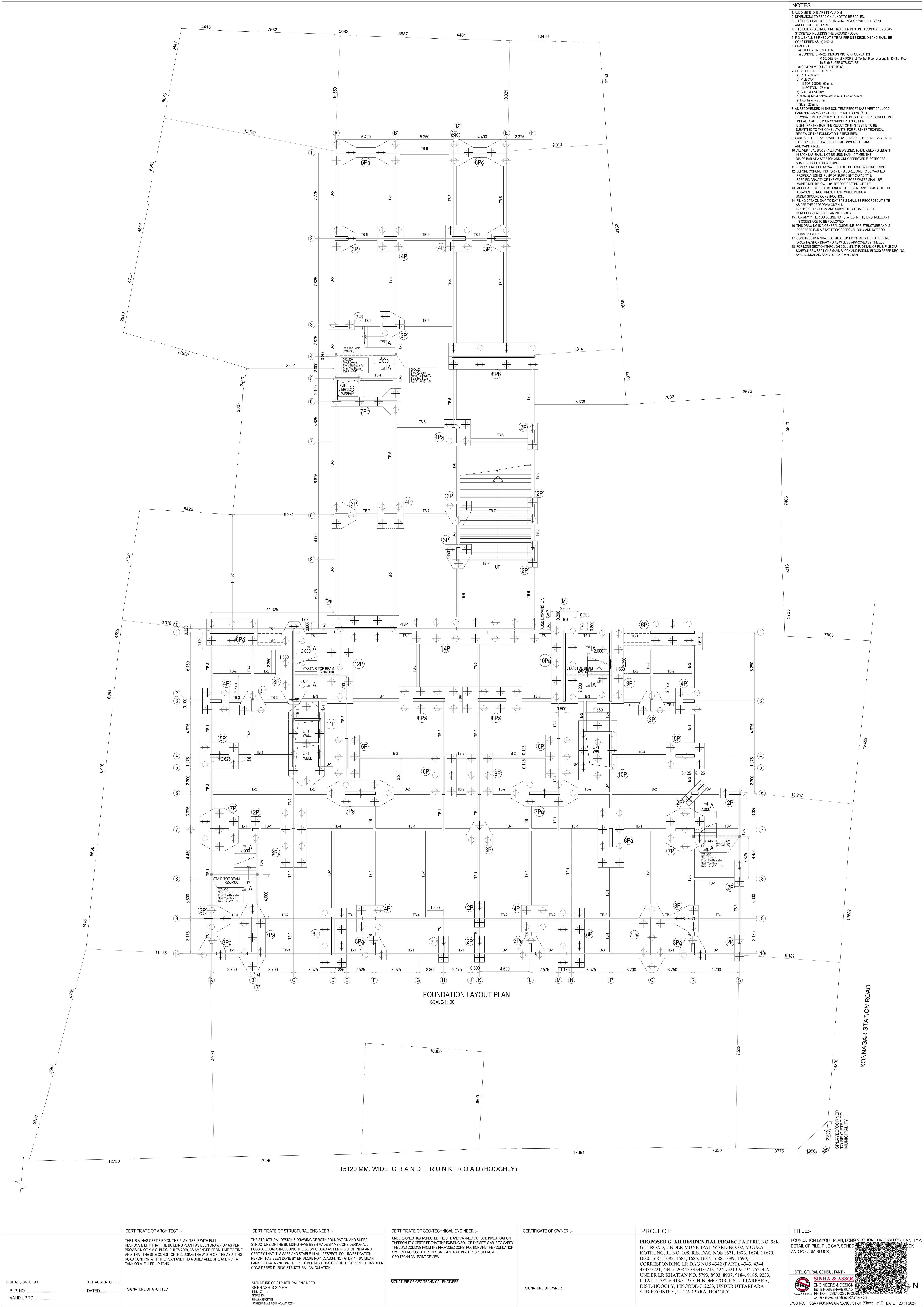




- NOTES :-**
1. ALL DIMENSIONS ARE IN M. U.O.M.
 2. DIMENSIONS TO READ ONLY, NOT TO BE SCALED.
 3. THIS DRG. SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRGS.
 4. THIS BUILDING STRUCTURE HAS BEEN DESIGNED CONSIDERING G+V STORED INCLUDING THE GROUND FLOOR.
 5. F.O.L. SHALL BE FIXED AT SITE AS PER SITE DECISION AND SHALL BE CONSIDERED AS (+1) 0.00 M.
 6. GRADE OF:
a) STEEL = Fe-500 U.O.M.
b) CONCRETE = M-20, DESIGN MIX FOR FOUNDATION
M-40, DESIGN MIX FOR 1st To 3rd Floor (L+1) and M-40 (3rd Floor To End) SUPER STRUCTURE.
 7. CLEAR COVER TO REINF.
a) PILE - 60 mm.
b) PILE CAP:
i) TOP & SIDE - 60 mm.
ii) BOTTOM - 75 mm.
c) COLUMN - 40 mm.
d) Slab - i) Top & bottom - 20 m.m. ii) End - 25 m.m.
e) Floor beam - 25 mm.
f) Slab - 25 mm.
 8. AS RECOMMENDED IN THE SOIL TEST REPORT SAFE VERTICAL LOAD CARRYING CAPACITY OF PILE - 76 MT. FOR 5000 PILE. TERMINATION LVL - 20.1 M. THIS IS TO BE CHECKED BY CONDUCTING "INITIAL LOAD TEST" ON WORKING PILES AS PER IS 2911(PART-4) 1985. THE RESULT OF THIS TEST IS TO BE SUBMITTED TO THE CONSULTANTS FOR FURTHER TECHNICAL REVIEW OF THE FOUNDATION IF REQUIRED.
 9. CARE SHALL BE TAKEN WHILE LOWERING OF THE REINF. CAGE IN TO THE BORE SLUCH THAT PROPER ALIGNMENT OF BARS ARE MAINTAINED.
 10. ALL VERTICAL BAR SHALL HAVE WELDED. TOTAL WELDING LENGTH IN EACH LAP SHALL NOT BE LESS THAN 10 TIMES THE DIA OF BAR AT A STRETCH AND ONLY APPROVED ELECTRODES SHALL BE USED FOR WELDING.
 11. CONCRETING BELOW WATER SHALL BE DONE BY USING TRIME 12. BEFORE CONCRETING PILING BORES ARE TO BE WASHED PROPERLY USING PUMP OF SUFFICIENT CAPACITY & SPECIFIC GRAVITY OF THE WASHED BORE WATER SHALL BE MAINTAINED BELOW 1.05 BEFORE CASTING OF PILE.
 12. ADEQUATE CARE TO BE TAKEN TO PREVENT ANY DAMAGE TO THE ADJACENT STRUCTURES, IF ANY, WHILE PILING & UNDER GROUND CONSTRUCTION.
 13. PILING DATA ON DAY TO DAY BASIS SHALL BE RECORDED AT SITE AS PER THE PROFORMA GIVEN IN IS 2911(PART 1) REC-3) AND SUBMIT THESE DATA TO THE CONSULTANT AT REGULAR INTERVALS.
 14. FOR ANY OTHER GUIDELINE NOT STATED IN THIS DRG. RELEVANT IS CODES ARE TO BE FOLLOWED.
 15. THIS DRAWING IS A GENERAL GUIDELINE FOR STRUCTURE AND IS PREPARED FOR A STATUTORY APPROVAL ONLY AND NOT FOR CONSTRUCTION.
 16. FOR LONG SECTION THROUGH COLUMN, TYP. DETAIL OF PILE, PILE CAP, SCHEDULES & SECTIONS MAIN BLOCK AND PODIUM BLOCK, REFER DRG. NO. SAA / KONNAGAR / SANC / ST-02 (Sheet 2 of 2)

CERTIFICATE OF ARCHITECT :- THE I.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 ADJUTING ROAD CONFORM WITH THE PLAN AND IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP TANK. DIGITAL SIGN OF A.E. B. P. NO. VALID UP TO		CERTIFICATE OF STRUCTURAL ENGINEER :- THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER I.B.C. OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. SOIL INVESTIGATION REPORT HAS BEEN DONE BY ER. ALOKE ROY (CLASS-I NO. - G.T/111), 8A, MILAN PARK, KOLKATA - 700094. THE RECOMMENDATIONS OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION. SIGNATURE OF STRUCTURAL ENGINEER SNEHASIS SINHA E-MAIL: snehasis.sinha@gmail.com ADDRESS: 99M & 800CROSS 1ST BIKRA BHAYE ROAD, KOLKATA-700093		CERTIFICATE OF GEO-TECHNICAL ENGINEER :- 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. SIGNATURE OF GEO-TECHNICAL ENGINEER		CERTIFICATE OF OWNER :- SIGNATURE OF OWNER		PROJECT:- PROPOSED G+XII RESIDENTIAL PROJECT AT PILE NO. 98K, G.T. ROAD, UNDER MUNICIPAL WARD NO. 02, MOUZA-KOTRUNG, JL. NO. 108, R.S. DAG NOS 1671, 1673, 1674, 1-679, 1680, 1681, 1682, 1683, 1685, 1687, 1688, 1689, 1690, CORRESPONDING LR DAG NOS 4342 (PART), 4343, 4344, 4345/5221, 4341/5208 TO 4341/5213, 4241/5213 & 4341/5214 ALL UNDER LR KHATIAN NO. 5793, 8903, 8907, 9184, 9185, 9233, 1112/1, 413/2 & 413/3, P.O.-HINDMOTOR, P.S.-UTTARPARA, DIST.-HOOGLY, PINCODE-712233, UNDER UTTARPARA SUB-REGISTRY, UTTARPARA, HOOGLY.		TITLE:- FOUNDATION LAYOUT PLAN, LONG SECTION THROUGH COLUMN, TYP. DETAIL OF PILE, PILE CAP, SCHED. (BLOCK AND PODIUM BLOCK) STRUCTURAL CONSULTANT:- SINHA & ASSOC ENGINEERS & DESIGNERS 157, BANGRA BHAYE ROAD, KOLKATA-700093 PH. NO. :- 2397 0029 / 980334 E-MAIL: snehasis.sinha@gmail.com DWG NO. / SAA / KONNAGAR / SANC / ST-01 (Sheet 1 of 2) DATE 20.11.2024	
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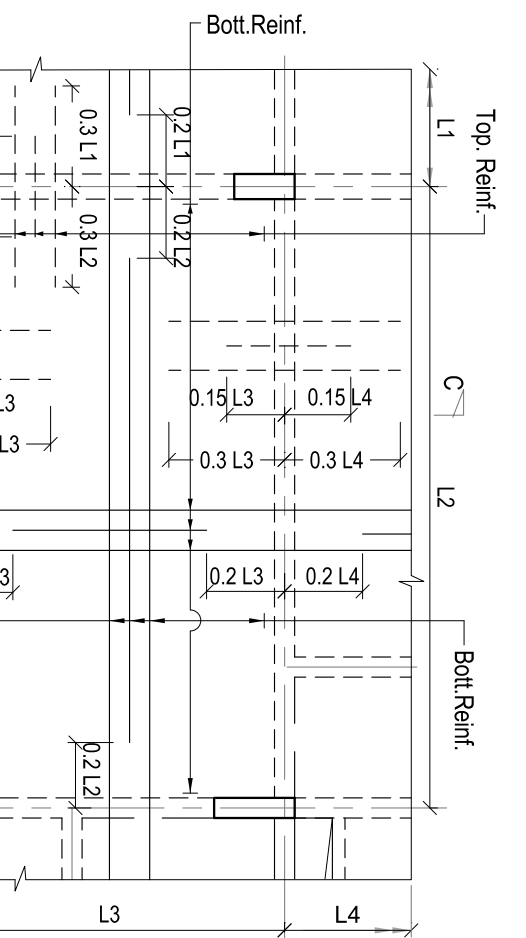
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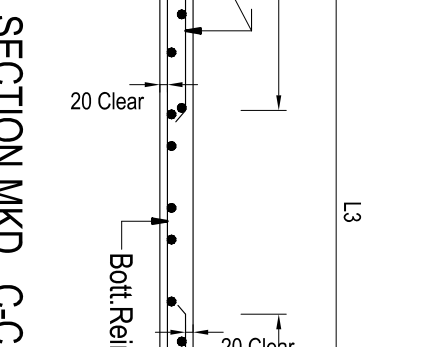
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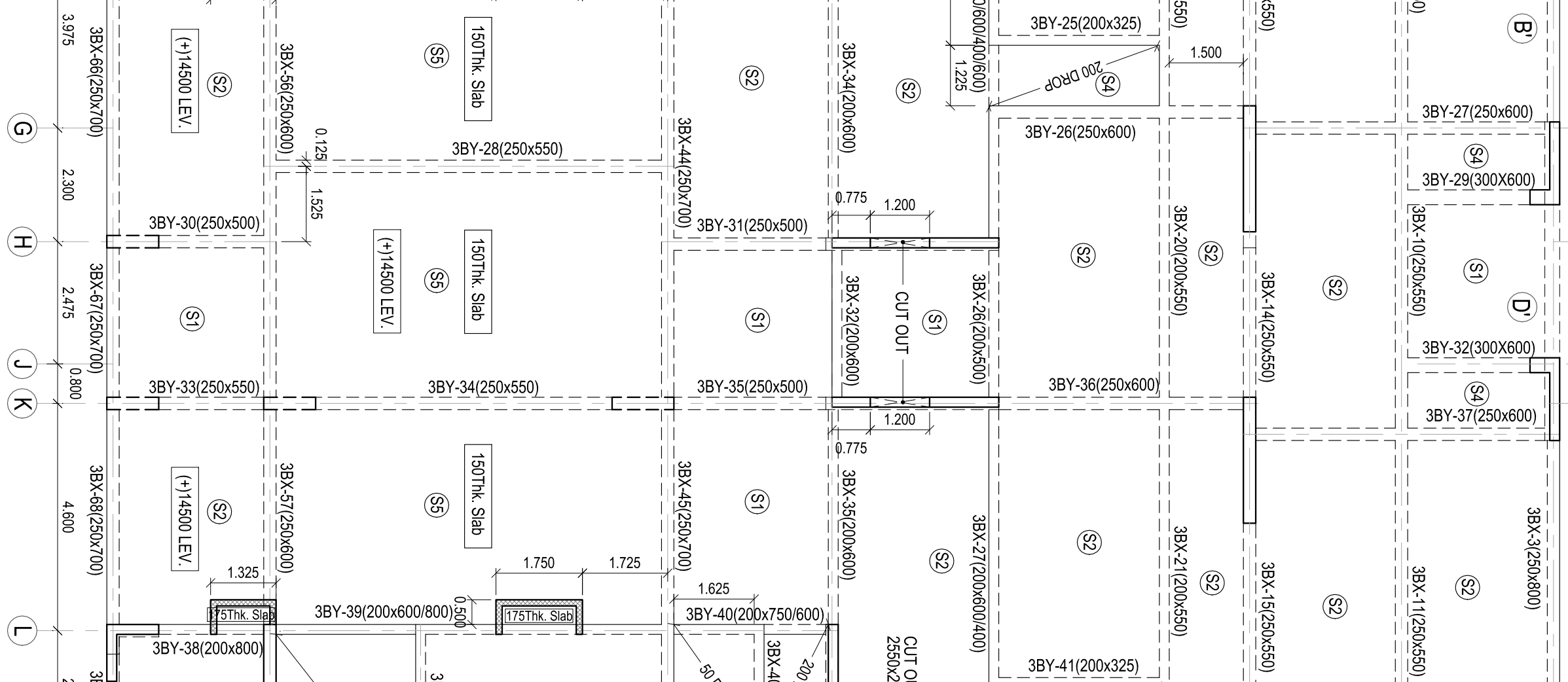


SECTION MKD. 2-2

SCALE - 1:25



SECTION MKD. C-C



BEAM AND SLAB ARRANGEMENT PLAN AT 3rd. FLOOR LEVEL.

AS ($\pm$) 0.00 M.

	BEAM NO.	SIZE (mmmm)	REFINE AT SUPPORT			REFINE AT SPAN			REMARKS
			TOP	BOT	STRUTS	TOP	BOT	STRUTS	
3Bx1, 3Bx4		20x70	2.20 ± 2.16 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx2, 3Bx3, 3Bx4, 3Bx5, 3Bx6, 3Bx7,1		25x60	2.20 ± 2.16 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx7,2		20x50	2.16 ±	2.16 ±	8 ± 2.2@10 c	2.16 ±	2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx3, 3Bx4, 3Bx5, 3Bx2, 3Bx2x, 3Bx2x		20x65	2.16 ±	2.16 ±	8 ± 2.2@10 c	2.16 ±	2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx7, 3Bx4, 3Bx5, 3Bx2, 3Bx2		20x55	2.16 ±	2.16 ±	8 ± 2.2@10 c	2.16 ±	2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx4, 3Bx10, 3Bx11		25x50	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx12, 3Bx16		25x60	2.16 ±	2.16 ±	8 ± 2.2@10 c	2.16 ±	2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx17, 3Bx4, 3Bx1x, 3Bx37		25x50	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx17, 3Bx18, 3Bx19, 3Bx49, 3Bx54, 3Bx55, 3Bx58, 3Bx59		25x50	4.16 ±	2.16 ±	8 ± 2.2@10 c	2.16 ±	4.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx19, 3Bx20, 3Bx21		20x50	2.16 ±	2.16 ±	8 ± 2.2@10 c	2.16 ±	2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx42, 3Bx4, 3Bx42, 3Bx43, 3Bx46		25x60	2.20 ± 2.16 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx47, 3Bx48, 3Bx49, 3Bx42		25x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx47, 3Bx48, 3Bx49, 3Bx42		25x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx36		20x50	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx27		20x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx30, 3Bx31, 3Bx3x, 3Bx3x, 3Bx39		20x75	2.16 ±	2.16 ±	8 ± 2.2@10 c	2.16 ±	2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx40, 3Bx41		20x50	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx44, 3Bx46, 3Bx70		25x70	2.25 ± 2.20 ±	2.25 ±	10 ± 2.2@10 c	2.25 ±	2.25 ± 2.16 ±	10 ± 2.2@10 c	FLOOR BEAM
3Bx44, 3Bx46, 3Bx70		25x70	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx47, 3Bx48		25x70	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx11, 3Bx4, 3Bx42, 3Bx4x, 3Bx54, 3Bx57		20x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx3, 3Bx5, 3Bx7		20x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx12, 3Bx3		20x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx34, 3Bx35		20x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx44, 3Bx46, 3Bx70		25x70	2.25 ± 2.20 ±	2.25 ±	10 ± 2.2@10 c	2.25 ±	2.25 ± 2.16 ±	10 ± 2.2@10 c	FLOOR BEAM
3Bx44, 3Bx46, 3Bx70		25x70	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx47, 3Bx48		25x70	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx11, 3Bx4, 3Bx42, 3Bx4x, 3Bx54, 3Bx57		20x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx3, 3Bx5, 3Bx7		20x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx12, 3Bx3		20x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ± 2.16 ±	8 ± 2.2@10 c	FLOOR BEAM
3Bx34, 3Bx35		20x60	2.20 ±	2.20 ±	8 ± 2.2@10 c	2.20 ±	2.20 ±	8 ± 2.2@10 c	FLOOR BEAM

SCHEDULE OF SLAB FOR THIRD FLOOR FOR MAIN BLOCK:-

SCHEDULE OF SLAB FOR THIRD FLOOR FOR MAIN BLOCK-									
SLAB MKO.	THK. (mm)	REINF. ALONG SHORT SPAN				REINF. ALONG LONG SPAN			
		AT SUPPORT		AT SPAN		AT SUPPORT		AT SPAN	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.
S1	125	8- ϕ 125 cc	8- ϕ 200 cc	8- ϕ 125 cc	8- ϕ 200 cc	8- ϕ 125 cc	8- ϕ 200 cc	8- ϕ 125 cc	8- ϕ 200 cc
S2	125	10- ϕ 150 cc	10- ϕ 200 cc	10- ϕ 150 cc	8- ϕ 150 cc	8- ϕ 200 cc	8- ϕ 150 cc	8- ϕ 200 cc	8- ϕ 150 cc
S3	125	8- ϕ 125 cc	8- ϕ 200 cc	8- ϕ 125 cc	8- ϕ 150 cc	8- ϕ 200 cc	8- ϕ 125 cc	8- ϕ 150 cc	8- ϕ 200 cc
S4	125	8- ϕ 150 cc	8- ϕ 200 cc	8- ϕ 150 cc	8- ϕ 200 cc	8- ϕ 150 cc	8- ϕ 200 cc	8- ϕ 150 cc	8- ϕ 200 cc
S5	150	10- ϕ 125 cc	10- ϕ 200 cc	10- ϕ 125 cc	10- ϕ 150 cc	10- ϕ 200 cc	10- ϕ 125 cc	10- ϕ 200 cc	10- ϕ 150 cc

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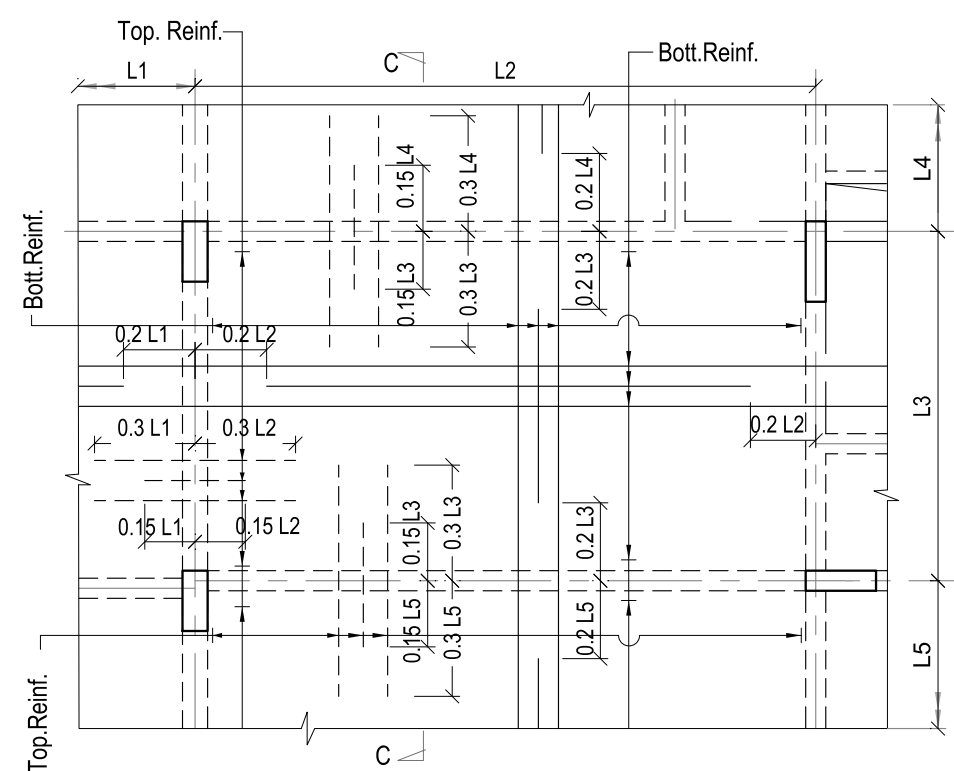
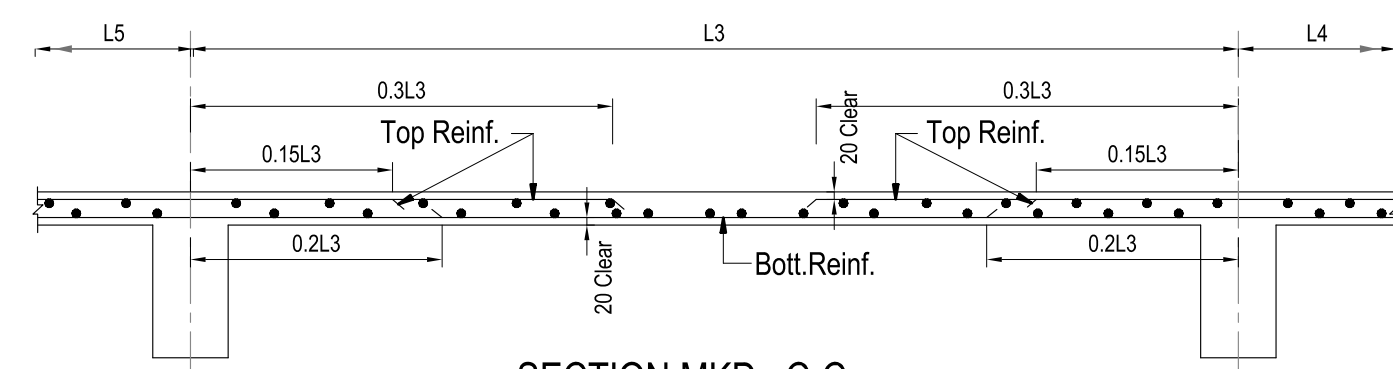
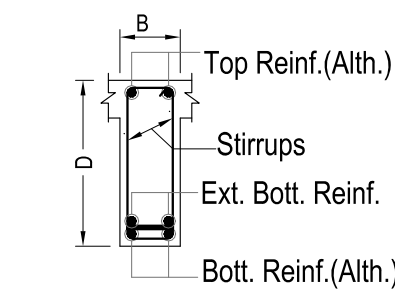
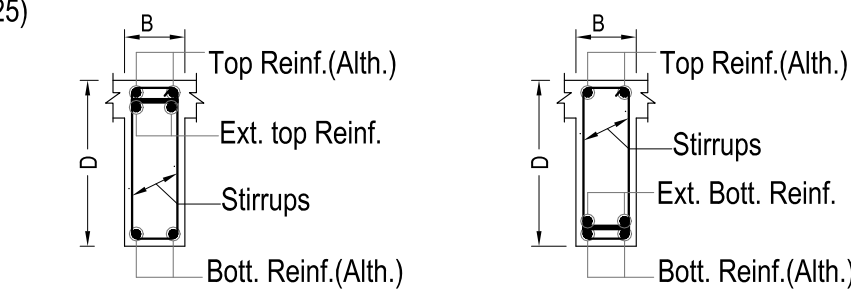
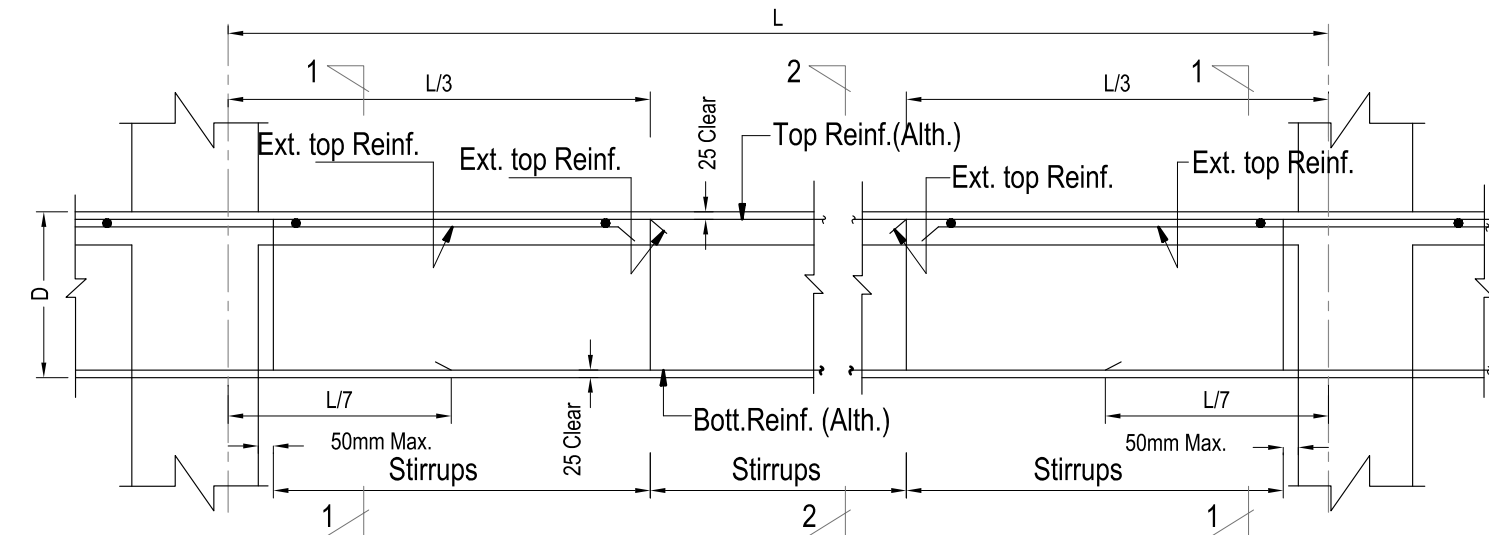
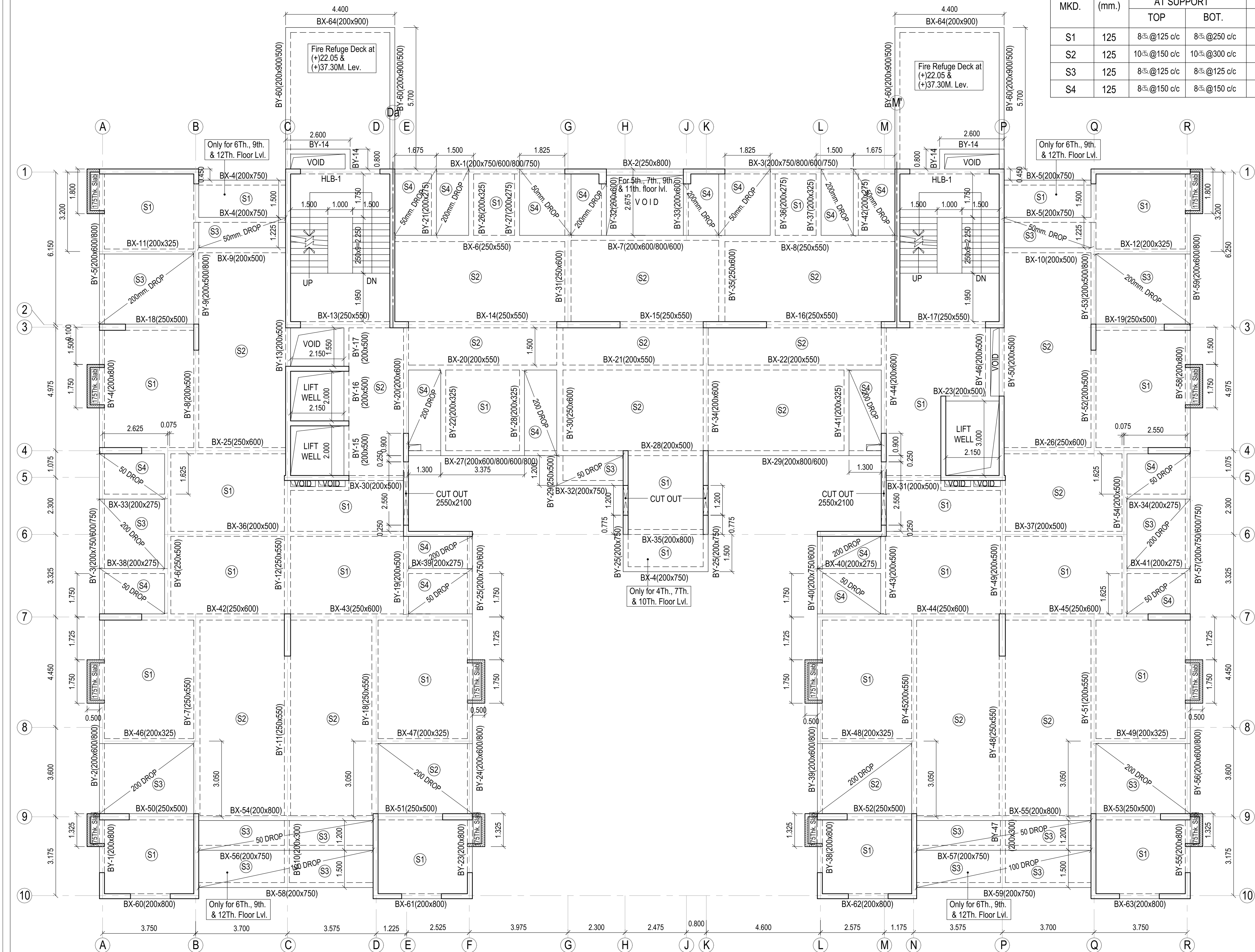
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BEAM MKD.	SIZE (mmxmm)	REINF. AT SUPPORT		REINF. AT SPAN			REMARKS	
		TOP	BOT	TOP	BOT	STIRRUPS		
BX-1, BX-3,	200x750/ 600/800/750	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-2, BX-60, BX-61, BX-62, BX-63,	250x800	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-4, BX-5,	200x750	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-6, BX-8	250x550	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-7	200x600/ 800/600	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-9, BX-10, BX-23, BX-30, BX-31,	200x500	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-11, BX-12, BX-46, BX-47, BX-48, BX-49	200x325	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-13, BX-17,	250x500	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-14, BX-15, BX-16,	250x550	4-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-18, BX-19, BX-50, BX-51, BX-52, BX-53,	250x500	4-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	4-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-20, BX-21, BX-22	200x550	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	4-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-25, BX-26, BX-42, BX-43, BX-44, BX-45	250x600	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-27,	200x600/ 800/600/800	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-28	200x500	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-29	200x800/600	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-32	200x750	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-33, BX-34, BX-38, BX-39, BX-40, BX-41,	200x275	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-35	200x800	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-36, BX-37,	200x500	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-54, BX-55,	200x800	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-56, BX-57, BX-58, BX-59,	200x750	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BX-64	200x800	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM

BEAM MKD.	SIZE (mmxmm)	REINF. AT SUPPORT		REINF. AT SPAN				REMARKS
		TOP	BOT	TOP	BOT	STIRRUPS		
BY-1, BY-4, BY-23, BY-38, BY-55, BY-58	200x800	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-2, BY-5, BY-56, BY-59,	200x600/800	4-20 $\varnothing$ s	2-20 $\varnothing$ s	10 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	4-20 $\varnothing$ s	10 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-3, BY-57,	200x750/ 600/750	4-20 $\varnothing$ s	2-20 $\varnothing$ s	10 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	4-20 $\varnothing$ s	10 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-6, BY-54	200x500	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	4-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-8, BY-52	200x500	4-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	4-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-7, BY-18, BY-45, BY-51,	200x500	4-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	4-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-9, BY-53	200x500/800	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-10, BY-47	250x300	4-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@90 c/c	-	-	-	FLOOR BEAM
BY-11, BY-12, BY-48	250x550	4-20 $\varnothing$ s	2-20 $\varnothing$ s	10 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	10 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-13, BY-15, BY-16, BY-17, BY-19, BY-43, BY-46, BY-50,	200x500	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-14	200x500	2-16 $\varnothing$ s + 2-12 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@90 c/c	-	-	-	FLOOR BEAM
BY-20, BY-34, BY-44,	200x600	4-20 $\varnothing$ s	2-20 $\varnothing$ s	10 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	10 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-21, BY-27, BY-36, BY-42,	200x275	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-22, BY-26, BY-28, BY-37, BY-41,	200x325	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-24, BY-39,	200x600/800	4-20 $\varnothing$ s	4-20 $\varnothing$ s	10 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	4-20 $\varnothing$ s	10 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-25, BY-40,	200x750/600	4-20 $\varnothing$ s	2-20 $\varnothing$ s	10 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	4-20 $\varnothing$ s	10 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-29	250x500	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@90 c/c	-	-	-	FLOOR BEAM
BY-30,	250x600	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-31, BY-35,	250x600	4-20 $\varnothing$ s	2-20 $\varnothing$ s	10 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	10 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-32, BY-33	200x600	2-20 $\varnothing$ s + 1-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-49	200x500	4-20 $\varnothing$ s	2-20 $\varnothing$ s	10 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	4-20 $\varnothing$ s	10 $\varnothing$ s 2L@150 c/c	FLOOR BEAM
BY-60	200x900/500	4-25 $\varnothing$ s	2-20 $\varnothing$ s	10 $\varnothing$ s 2L@90 c/c	-	-	-	FLOOR BEAM

SCHEDULE OF SLAB FOR TYPICAL (4th. to 12th.) FLOOR (MAIN BLOCK) :-									
SLAB MKD.	THK. (mm.)	REINF. ALONG SHORT SPAN				REINF. ALONG LONG SPAN			
		AT SUPPORT		AT SPAN		AT SUPPORT		AT SPAN	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.
S1	125	8 ϕ @125 c/c	8 ϕ @250 c/c	————	8 ϕ @125 c/c	8 ϕ @125 c/c	8 ϕ @250 c/c	————	8 ϕ @125 c/c
S2	125	10 ϕ @125 c/c	10 ϕ @300 c/c	————	10 ϕ @150 c/c	8 ϕ @150 c/c	8 ϕ @300 c/c	————	8 ϕ @150 c/c
S3	125	8 ϕ @125 c/c	8 ϕ @125 c/c	8 ϕ @125 c/c	8 ϕ @125 c/c	8 ϕ @150 c/c	8 ϕ @150 c/c	8 ϕ @150 c/c	8 ϕ @150 c/c
S4	125	8 ϕ @150 c/c	8 ϕ @150 c/c	8 ϕ @150 c/c	8 ϕ @150 c/c	8 ϕ @200 c/c	8 ϕ @200 c/c	8 ϕ @200 c/c	8 ϕ @200 c/c



PROJECT:

PROPOSED G+XII RESIDENTIAL PROJECT AT PRE.
NO. 98K, G.T. ROAD, UNDER MUNICIPAL WARD NO. 02,
MOUZA- KOTRUNG, JL NO. 108, R.S. DAG NOS 1671,
1673, 1674, 1+679, 1680, 1681, 1682, 1683, 1685, 1687, 1688,
1689, 1690, CORRESPONDING LR DAG NOS 4342 (1688,
4343, 4344, 4343/5221, 4341/5208 TO 4341/5213, 4241/5213 &
4341/5214 ALL UNDER LR KHATIAN NO. 5793, 8903, 8907,
9184, 9185, 9233, 1112/1, 413/2 & 413/3, P.O.-HINDMOTOR,
P.S.-UTTARPARA, DIST.-HOOGLY, PINCODE-712233,
UNDER UTTARPARA SUB-REGISTRY, UTTARPARA,
HOOGLY.

BEAM AND SLAB ARRANGEMENT PLAN AT TYPICAL (4th. to 12th.) FLOOR LEVEL, TYPICAL DETAIL, SCHEDULES & SECTIONS

NOTES :-

1. ALL DIMENSIONS ARE IN M. U.O.M.
2. DIMENSIONS TO READ ONLY, NOT TO BE SCALED.
3. THIS DRG. SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRGS.
4. THIS BUILDING STRUCTURE HAS BEEN DESIGNED CONSIDERING G+V STOREEYD INCLUDING THE GROUND FLOOR.
5. F.G.L. SHALL BE FIXED AT SITE AS PER SITE DECISION AND SHALL BE CONSIDERED AS (a) 0.0 M.
6. GRADE OF:
 - a) STEEL = Fe-500 U.O.M.
 - a) CONCRETE = M-50, DESIGN MIX (1st. To 3rd. Floor Lvl.) and M-40 (3rd. Floor. To End) FOR SUPER STRUCTURE.
 - c) CEMENT = EQUIVALENT TO S3.
7. CLEAR COVER TO REINF :
 - d) Slab - i) Top & bottom = 20 mm. ii) End = 25 mm.
 - e) Floor beams = 25 mm.
 - f) Stair = 25 mm.
8. FOR ANY OTHER GUIDELINE NOT STATED IN THIS DRG. RELEVANT I S CODES ARE TO BE FOLLOWED.
9. THIS DRAWING IS A GENERAL GUIDELINE FOR STRUCTURE AND IS PREPARED FOR A STATUTORY APPROVAL ONLY AND NOT FOR CONSTRUCTION.
10. CONSTRUCTION SHALL BE MADE BASED ON DETAIL ENGINEERING DRAWINGS/SHOP DRAWINGS AS WILL BE APPROVED BY THE ESE.

CERTIFICATE OF OWNER :-

SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER :-

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C. OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. SOIL INVESTIGATION REPORT HAS BEEN DONE BY ER. ALOKE ROY (CLASS:- NO. - G.7/11/1), 6A, MILAN PARK, KOLKATA - 700084. THE RECOMMENDATIONS OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

SIGNATURE OF STRUCTURAL ENGINEER
SNEHASHIS SINHA
E.S.E. 177

ADDRESS:
SINHA & ASSOCIATES
157 BINODA BHAVE ROAD, KOLKATA 70003

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 BUILD ABLE SITE AND NOT A TANK OR A FILLED UP TANK.

SIGNATURE OF ARCHITECT

CERTIFICATE OF GEO-TECHNICAL ENGINEER :-

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.

SIGNATURE OF GEO-TECHNICAL ENGINEER

DIGITAL SIGN. OF A.E.

B. P. NO.-.....

VALID UP TO.....

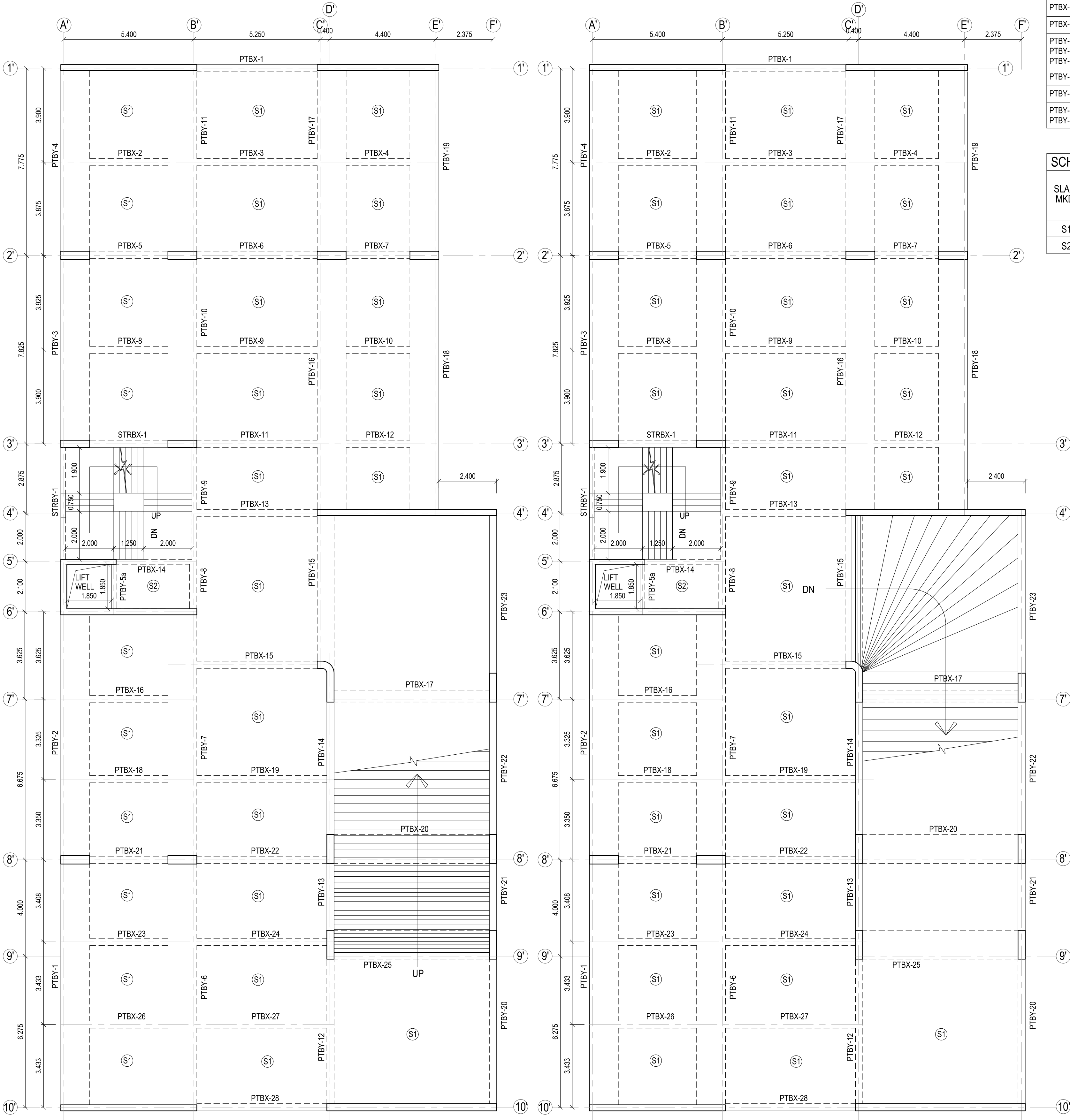
STRUCTURAL CONSULTANT



DWG NO. S&A / KONNAGAR/ SANC./ ST-05

D.

20.11.2024

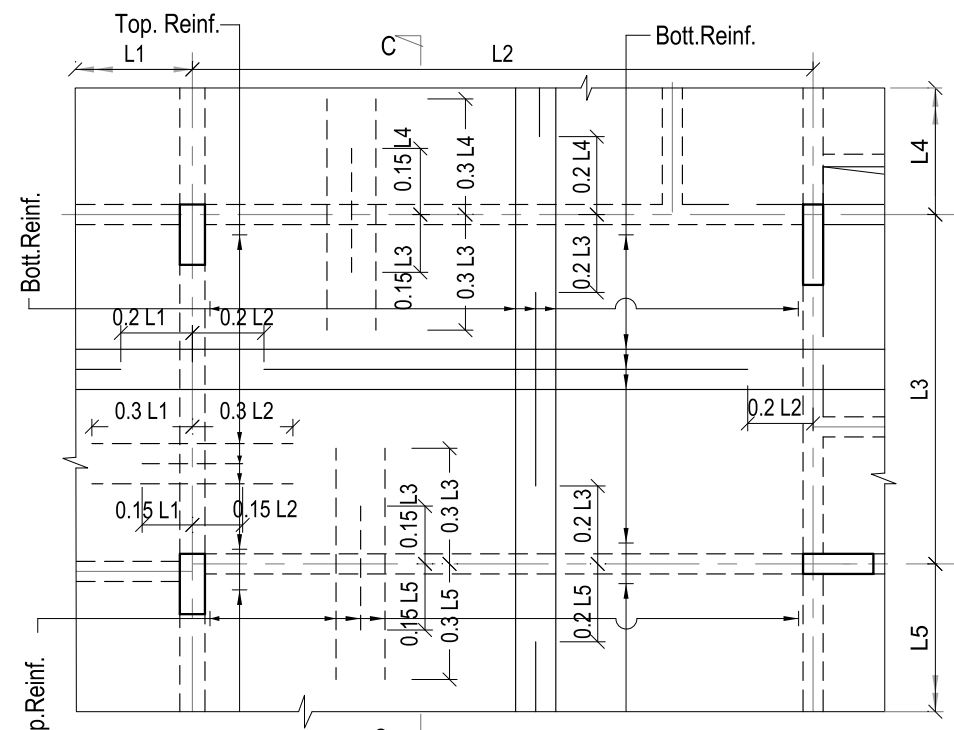


BEAM AND SLAB ARRANGEMENT PLAN AT TYPICAL FLOOR
(1st. TO 3rd.) FOR PODIUM BLOCK

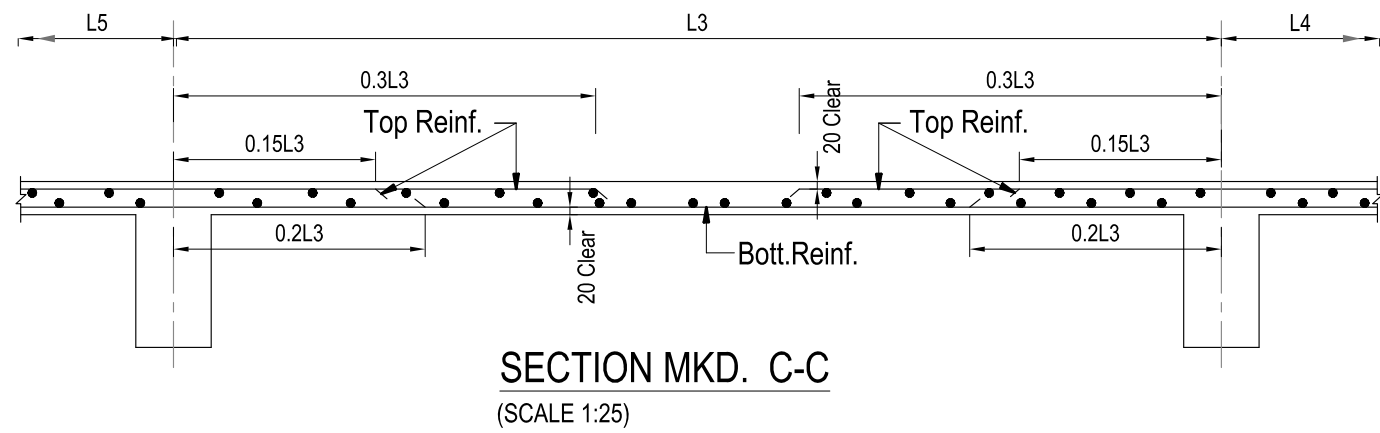
BEAM AND SLAB ARRANGEMENT PLAN AT 4th. FLOOR
FOR PODIUM BLOCK

SCHEDULE OF BEAM FOR PODIUM BLOCK (1st. TO 3rd. & 4th.):							
BEAM MKD.	SIZE (mmxmm)	REINF. AT SUPPORT			REINF. AT SPAN		
		TOP	BOT	STIRRUPS	TOP	BOT	STIRRUPS
PTBX-1, PTBX-28,	300x500	4-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	4-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c
PTBX-2, PTBX-4, PTBX-8, PTBX-10, PTBX-12, PTBX-16, PTBX-18, PTBX-19, PTBX-23, PTBX-26,	200x500	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c
PTBX-3, PTBX-9,	300x500	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c
PTBX-5, PTBX-6, PTBX-7, PTBX-11, PTBX-13, PTBX-15, PTBX-21, PTBX-22, PTBX-24, PTBX-27	300x500	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c
PTBX-14	200x500	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c
PTBX-20, PTBX-25,	1200x500	4-20 $\varnothing$ s + 4-16 $\varnothing$ s	4-20 $\varnothing$ s + 4-16 $\varnothing$ s	10 $\varnothing$ s 4L@110 c/c	4-20 $\varnothing$ s + 4-16 $\varnothing$ s	4-20 $\varnothing$ s + 4-16 $\varnothing$ s	10 $\varnothing$ s 4L@150 c/c
PTBY-1, PTBY-2, PTBY-3, PTBY-4, PTBY-6, PTBY-7, PTBY-10, PTBY-11, PTBY-16, PTBY-17, PTBY-18, PTBY-19	1200x500	8-20 $\varnothing$ s + 4-16 $\varnothing$ s	8-20 $\varnothing$ s	10 $\varnothing$ s 4L@110 c/c	8-20 $\varnothing$ s	8-20 $\varnothing$ s + 4-16 $\varnothing$ s	10 $\varnothing$ s 4L@150 c/c
PTBY-5	200x400	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-16 $\varnothing$ s	2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c
PTBY-8, PTBY-9	200x500	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c
PTBY-12, PTBY-13, PTBY-14, PTBY-15, PTBY-20, PTBY-21, PTBY-22, PTBY-23,	200x500	4-20 $\varnothing$ s	2-20 $\varnothing$ s	8 $\varnothing$ s 2L@110 c/c	2-20 $\varnothing$ s	2-20 $\varnothing$ s + 2-16 $\varnothing$ s	8 $\varnothing$ s 2L@150 c/c

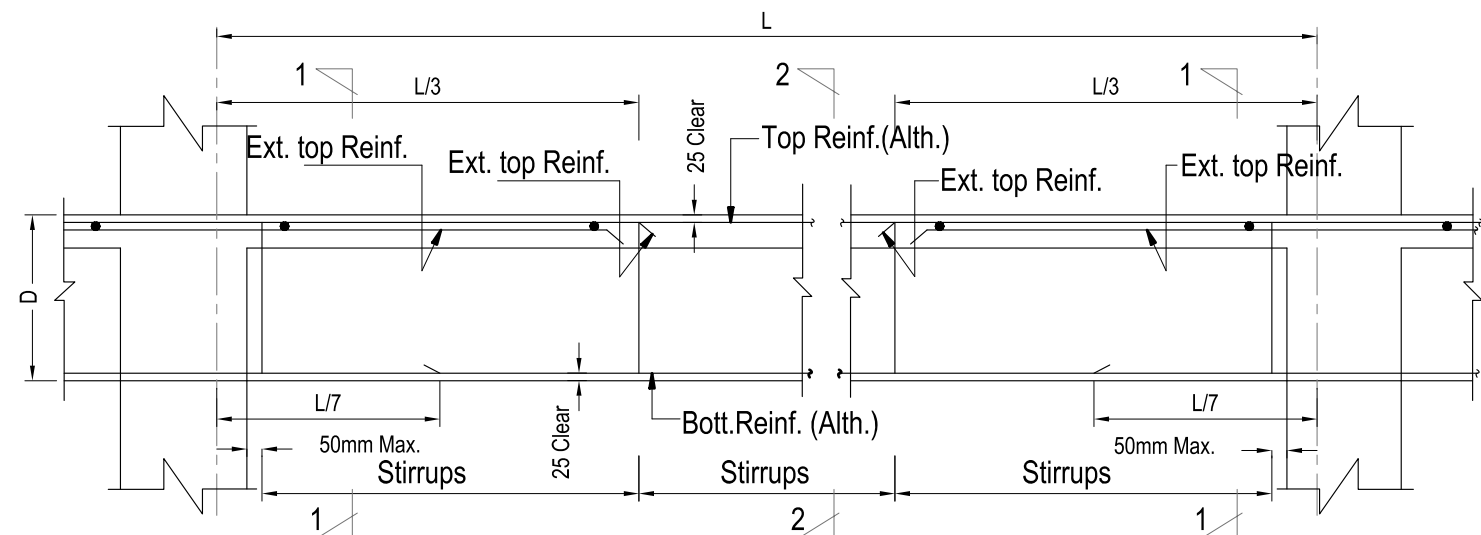
SCHEDULE OF SLAB FOR PODIUM BLOCK :-									
SLAB MKD.	THK. (mm.)	REINF. ALONG SHORT SPAN				REINF. ALONG LONG SPAN			
		AT SUPPORT		AT SPAN		AT SUPPORT		AT SPAN	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.
S1	150	12 ϕ s@150 c/c	12 ϕ s@300 c/c	—	12 ϕ s@150 c/c	12 ϕ s@150 c/c	12 ϕ s@300 c/c	—	12 ϕ s@150 c/c
S2	125	8 ϕ s@150 c/c	8 ϕ s@250 c/c	—	8 ϕ s@125 c/c	8 ϕ s@150 c/c	8 ϕ s@250 c/c	—	8 ϕ s@125 c/c



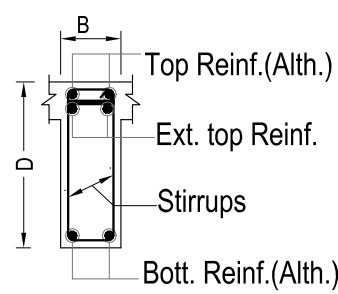
TYPICAL DETAIL OF SLAB REINF.
Scale:1:75



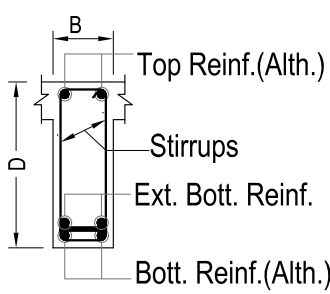
SECTION MKD. C-C
(SCALE 1:25)



TYPICAL REINFORCEMENT DETAIL OF FLOOR BEAM
(SCALE 1:25)



SECTION MKD. 1-1
SCALE : 1:25



SECTION MKD. 2-2
SCALE : 1:25

PROJECT:

PROPOSED G+XII RESIDENTIAL PROJECT AT PRE.
NO. 98K, G.T. ROAD, UNDER MUNICIPAL WARD NO. 02, MOUZA- KOTRUNG, JL NO. 108, R.S. DAG NOS 1671, 1673, 1674, 1+679, 1680, 1681, 1682, 1683, 1685, 1687, 1688, 1689, 1690, CORRESPONDING LR DAG NOS 4342 (PART), 4343, 4344, 4343/5221, 4341/5208 TO 4341/5213, 4241/5213 & 4341/5214 ALL UNDER LR KHATIAN NO. 5793, 8903, 8907, 9184, 9185, 9233, 1112/1, 413/2 & 413/3, P.O.-HINDMOTOR, P.S.-UTTARPARA, DIST.-HOOGLY, PINCODE-712233, UNDER UTTARPARA SUB-REGISTRY, UTTARPARA, HOOGLY.

TITLE:-

BEAM AND SLAB ARRANGEMENT PLAN AT TYP.FLOOR (1st. TO 3rd. & 4th.) LEVEL, TYP. DETAIL, SCHEDULES & SECTIONS (PODIUM BLOCK).

NOTES :-

1. ALL DIMENSIONS ARE IN M. U.O.M.
2. DIMENSIONS TO READ ONLY. NOT TO BE SCALED.
3. THIS DRG. SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRGS.
4. THIS BUILDING STRUCTURE HAS BEEN DESIGNED CONSIDERING G+V STOREYED INCLUDING THE GROUND FLOOR.
5. F.G.L. SHALL BE FIXED AT SITE AS PER SITE DECISION AND SHALL BE CONSIDERED AS (+) 0.00 M.
6. GRADE OF:
a) STEEL = Fe-500 U.O.M.
b) CONCRETE = M-50. DESIGN MIX (1st. To 3rd. Floor Lvl.) and M-40 (3rd. Floor. To End) FOR SUPER STRUCTURE.
c) CEMENT = EQUIVALENT TO 53.
7. CLEAR COVER TO REINF :
d) Slab - i) Top & bottom =20 m.m. ii) End = 25 m.m.
e) Floor beam= 25 mm.
f) Stair = 25 mm.
8. FOR ANY OTHER GUIDELINE NOT STATED IN THIS DRG. RELEVANT I.S CODES ARE TO BE FOLLOWED.
9. THIS DRAWING IS A GENERAL GUIDELINE FOR STRUCTURE AND IS PREPARED FOR A STATUTORY APPROVAL ONLY AND NOT FOR CONSTRUCTION.
10. CONSTRUCTION SHALL BE MADE BASED ON DETAIL ENGINEERING DRAWING/SHOP DRAWING AS WILL BE APPROVED BY THE ESE.

CERTIFICATE OF OWNER :-

SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER :-

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C. OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. SOIL INVESTIGATION REPORT HAS BEEN DONE BY ER. ALOKE ROY (CLASS-I, NO.- G.T/111), 6A, MILAN PARK, KOLKATA - 700084. THE RECOMMENDATIONS OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

SIGNATURE OF STRUCTURAL ENGINEER
SNEHASHIS SINHA
E.S.E. 177

ADDRESS:
SINHA & ASSOCIATES
157 BINODA BHABHE ROAD, KOLKATA 700038

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 BUILD ABLE SITE AND NOT A TANK OR A FILLED UP TANK.

SIGNATURE OF ARCHITECT

CERTIFICATE OF GEO-TECHNICAL ENGINEER :-

UNDERSIGNED HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THERON. 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.

SIGNATURE OF GEO-TECHNICAL ENGINEER

DIGITAL SIGN. OF A.E.

B. P. NO.:-.....

VALID UP TO.....

STRUCTURAL CONSULTANT:-

SINHA & ASS
ENGINEERS & DESIGN CONSULTANTS
157, BINODA BHABHE ROAD, KOL - 700038
PH. NO. :- 2397-0029 / 9903810764
E-mail:- project.sandaindia@gmail.com

DWG NO. | S&A / KONNAGARI / SANC / ST-06

DATE

20.11.2024



SCHEDULE OF SLAB FOR PODIUM BLOCK (5th. FLOOR) :-									
SLAB MKD.	THK. (mm.)	REINF. ALONG SHORT SPAN				REINF. ALONG LONG SPAN			
		AT SUPPORT		AT SPAN		AT SUPPORT		AT SPAN	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.
S1	150	10 ϕ s @125 c/c	10 ϕ s @300 c/c	—	10 ϕ s @150 c/c	10 ϕ s @125 c/c	10 ϕ s @300 c/c	—	10 ϕ s @150 c/c
S2	125	8 ϕ s @150 c/c	8 ϕ s @250 c/c	—	8 ϕ s @125 c/c	8 ϕ s @150 c/c	8 ϕ s @250 c/c	—	8 ϕ s @125 c/c

SCHEDULE OF SLAB FOR PODIUM BLOCK (5th. FLOOR) :-									
SLAB MKD.	THK. (mm.)	REINF. ALONG SHORT SPAN				REINF. ALONG LONG SPAN			
		AT SUPPORT		AT SPAN		AT SUPPORT		AT SPAN	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.
S1	150	10 ϕ s @125 c/c	10 ϕ s @300 c/c	—	10 ϕ s @150 c/c	10 ϕ s @125 c/c	10 ϕ s @300 c/c	—	10 ϕ s @150 c/c
S2	125	8 ϕ s @150 c/c	8 ϕ s @250 c/c	—	8 ϕ s @125 c/c	8 ϕ s @150 c/c	8 ϕ s @250 c/c	—	8 ϕ s @125 c/c

PROJECT:
PROPOSED G+XII RESIDENTIAL PROJECT AT PRE.
NO. 98K, G.T. ROAD, UNDER MUNICIPAL WARD NO. 02,
MOUZA- KOTRUNG, JL. NO. 108, R.S. DAG NOS 1671,
1673, 1674, 1+679, 1680, 1681, 1682, 1683, 1685, 1687, 1688,
1689, 1690, CORRESPONDING LR DAG NOS 4342 (PART),
4343, 4344, 4343/5221, 4341/5208 TO 4341/5213, 4241/5213 &
4341/5214 ALL UNDER LR KHATAN NO. 5793, 8903, 8907,
9184, 9185, 9233, 1112/1, 413/2 & 413/3, P.O.-HINDMOTOR,
P.S.-UTTARPARA, DIST.-HOOGLY, PINCODE-712233,
UNDER UTTARPARA SUB-REGISTRY, UTTARPARA,
HOOGLY.

TITLE:-

**BEAM AND SLAB ARRANGEMENT PLAN AT 5TH. FLOOR LEVEL,
TYPICAL DETAIL, SCHEDULES & SECTIONS.**

NOTES :-

1. ALL DIMENSIONS ARE IN M. U.O.M.
2. DIMENSIONS TO READ ONLY, NOT TO BE SCALED.
3. THIS DRG. SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRGS.
4. THIS BUILDING STRUCTURE HAS BEEN DESIGNED CONSIDERING G+V STOREEY INCLUDING THE GROUND FLOOR.
5. F.G.L. SHALL BE FIXED AT SITE AS PER SITE DECISION AND SHALL BE CONSIDERED AS (+) 0.00 M.
6. GRADE OF
 - a) STEEL = Fe-50 U.O.M.
 - a) CONCRETE = M-50, DESIGN MIX (1st. To 3rd. Floor Lvl.) and M-40 (3rd. Floor. To End) FOR SUPER STRUCTURE.
 - c) CEMENT = EQUIVALENT TO 53.
7. CLEAR COVER TO REINF.
 - a) Slab - i) Top & bottom = 20 mm. ii) End = 25 mm.
 - c) Floor beams= 25 mm.
 - f) Stay = 25 mm.
8. FOR ANY OTHER GUIDELINE NOT STATED IN THIS DRG. RELEVANT IS CODES ARE TO BE FOLLOWED.
9. THIS DRG. IS A GENERAL GUIDELINE FOR STRUCTURE AND IS PREPARED FOR A STATUTORY APPROVAL ONLY AND NOT FOR CONSTRUCTION.
10. CONSTRUCTION SHALL BE MADE BASED ON DETAIL ENGINEERING DRAWING/SHOP DRAWINGS AS WILL BE APPROVED BY THE ESE.

CERTIFICATE OF OWNER :-

SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER :-

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C. OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. SOIL INVESTIGATION REPORT HAS BEEN DONE BY ER. ALOKE ROY (CLASS-I, NO.- G.T/1/11), 6A, MILAN PARK, KOLKATA - 700084. THE RECOMMENDATIONS OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

SIGNATURE OF STRUCTURAL ENGINEER
SNEHASHIS SINHA
E.S.E. /177
ADDRESS:
SINHA & ASSOCIATES
157 BINODA BHAYE ROAD, KOLKATA 700038

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 BUILD ABLE SITE AND NOT A TANK OR A FILLED UP TANK.

SIGNATURE OF ARCHITECT

CERTIFICATE OF GEO-TECHNICAL ENGINEER :-

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.

SIGNATURE OF GEO-TECHNICAL ENGINEER

DIGITAL SIGN. OF A.E. E.E.

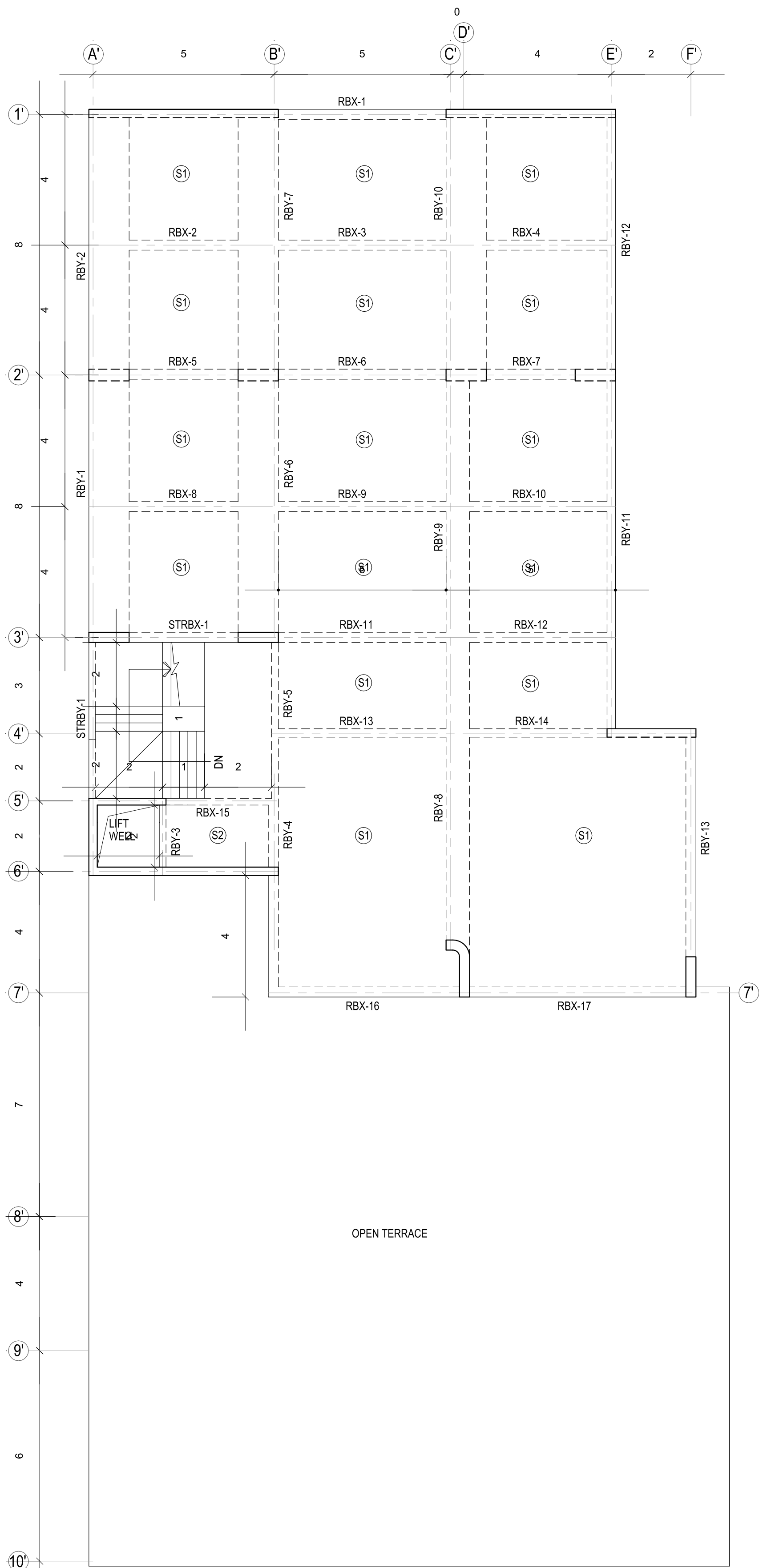
B. P. NO.-.....

VALID UP TO.....

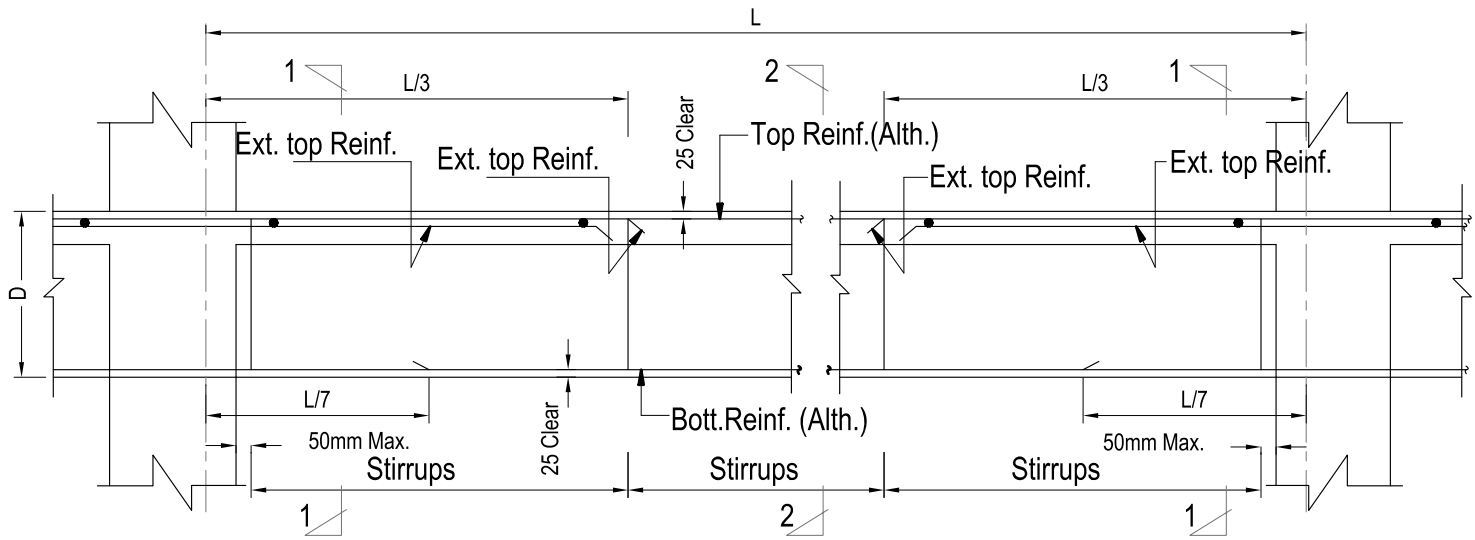
STRUCTURAL CONSULTANT:-

 **SINHA & ASSOCIATES**
ENGINEERS & DESIGN CONSULTANTS
157, BINOBA BHAVE ROAD, KOL. - 700038
PH. NO. :- 2397-0029 / 9903810764
E-mail:- project.sandaindia@gmail.com

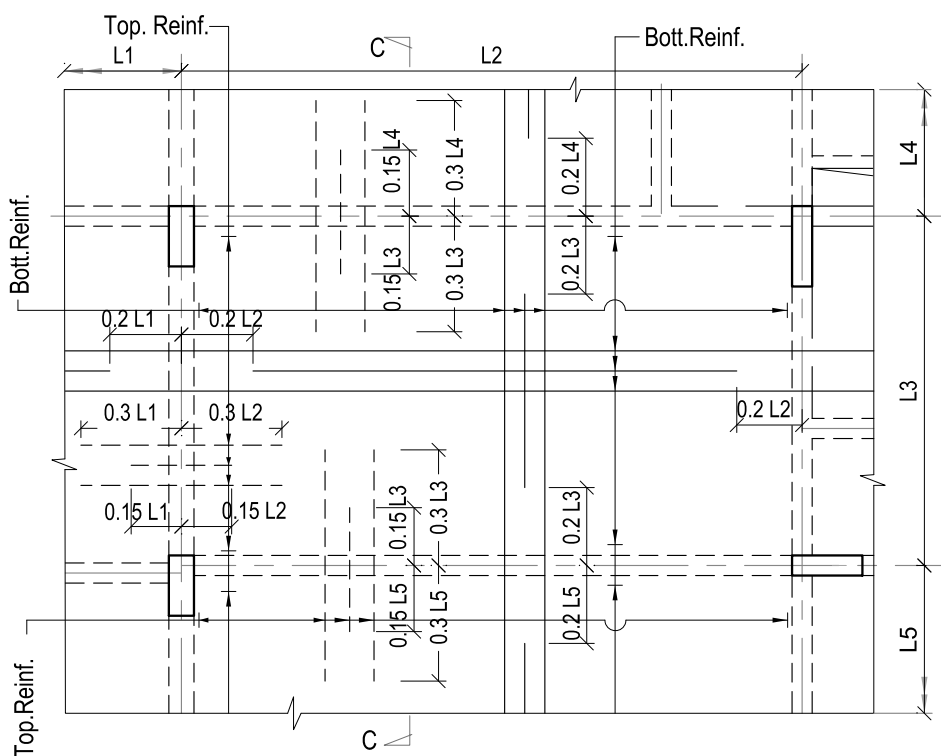
DWG NO.	S&A / KONNAGAR/ SANC./ ST-07	DATE	20.11.2024
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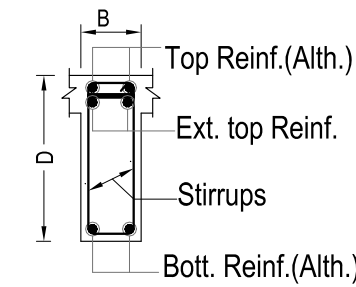
BEAM AND SLAB ARRANGEMENT PLAN AT ROOF LEVEL
FOR PODIUM BLOCK



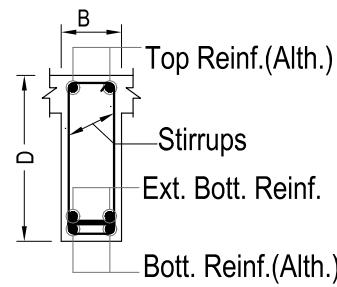
TYPICAL REINFORCEMENT DETAIL OF FLOOR BEAM
(SCALE 1:25)



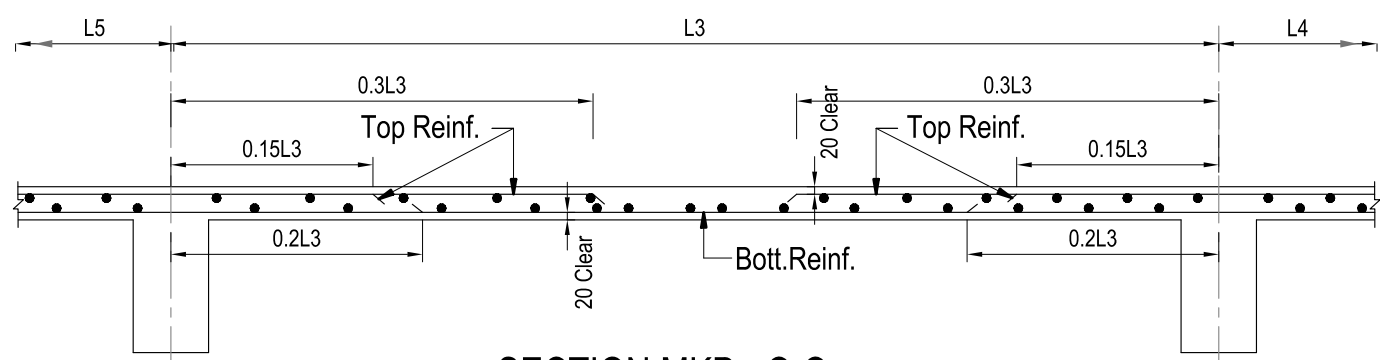
TYPICAL DETAIL OF SLAB REINF.
Scale-1:75



SECTION MKD. 1-1
SCALE - 1:25



SECTION MKD. 2-2
SCALE - 1:25



SECTION MKD. C-C
(SCALE 1:25)

SCHEDULE OF BEAM FOR PODIUM BLOCK (ROOF LEVEL):-

BEAM MKD.	SIZE (mmxmm)	REINF. AT SUPPORT			REINF. AT SPAN			REMARKS
		TOP	BOT	STIRRUPS	TOP	BOT	STIRRUPS	
RBX-1,	300x500	4-16	2-16	8	2-16	4-16	8	ROOF BEAM
RBX-2, RBX-3, RBX-4, RBX-8, RBX-9, RBX-10, RBX-12, RBX-13, RBX-14, RBX-16, RBX-17,	1200x500	2-20 + 1-16	2-20	8	2-20	2-20 + 1-16	8	ROOF BEAM
RBX-5, RBX-6, RBX-7, RBX-11, RBX-12, RBX-13, RBX-14, RBX-16, RBX-17,	300x500	2-20 + 3-16	2-20 + 1-16	8	2-20 + 1-16	2-20 + 3-16	8	ROOF BEAM
RBX-15	200x500	2-16	2-16	8	2-16	2-16	8	ROOF BEAM
RBX-1, RBX-2, RBX-3, RBX-4, RBX-8, RBX-9, RBX-10, RBX-12, RBX-13, RBX-14, RBX-16, RBX-17,	1200x500	4-20 + 8-16	4-20 + 4-16	10	4-20 + 4-16	4-20 + 8-16	10	ROOF BEAM
RBX-15	200x400	2-16	2-16	8	2-16	2-16	8	ROOF BEAM
RBX-4, RBX-5	200x500	2-20 + 2-16	2-20	8	2-20	2-20 + 2-16	8	ROOF BEAM
RBX-8, RBX-9,	700x500	4-20 + 4-16	4-20 + 4-16	10	4-20 + 4-16	4-20 + 4-16	10	ROOF BEAM
RBX-11, RBX-12,	250x500	4-20 + 1-16	2-20 + 1-16	8	2-20 + 1-16	4-20 + 1-16	8	ROOF BEAM
RBX-13,	300x500	2-20	2-20	8	2-20	2-20	8	ROOF BEAM
STRBX-1,	300x500	3-20	3-20	8	3-20	3-20	8	STRINGER BEAM
STRBX-1,	200x500	2-20	2-20	8	2-20	2-20	8	STRINGER BEAM

SCHEDULE OF SLAB FOR PODIUM BLOCK (ROOF LEVEL) :-

SLAB MKD.	THK. (mm.)	REINF. ALONG SHORT SPAN				REINF. ALONG LONG SPAN			
		AT SUPPORT		AT SPAN		AT SUPPORT		AT SPAN	
		TOP	BOT.	TOP	BOT.	TOP	BOT.	TOP	BOT.
S1	150	10	10	10	10	10	10	10	10
S2	125	8	8	8	8	8	8	8	8

PROJECT:

PROPOSED G+XII RESIDENTIAL PROJECT AT PRE. NO. 98K, G.T. ROAD, UNDER MUNICIPAL WARD NO. 02, MOUZA- KOTRUNG, JL. NO. 108, R.S. DAG NOS 1671, 1673, 1674, 1+679, 1680, 1681, 1682, 1683, 1685, 1687, 1688, 1689, 1690, CORRESPONDING LR DAG NOS 4342 (PART), 4343, 4344, 4343/5221, 4341/5208 TO 4341/5213, 4241/5213 & 4341/5214 ALL UNDER LR KHATIAN NO. 5793, 8903, 8907, 9184, 9185, 9233, 1112/1, 413/2 & 413/3, P.O.-HINDMOTOR, P.S.-UTTARPARA, DIST.-HOOGLY, PINCODE-712233, UNDER UTTARPARA SUB-REGISTRY, UTTARPARA, HOOGLY.

TITLE:-

BEAM AND SLAB ARRANGEMENT PLAN AT ROOF LEVEL, TYPICAL
DETAIL, SCHEDULES & SECTIONS.

NOTES :-

1. ALL DIMENSIONS ARE IN M. U.O.M.
2. DIMENSIONS TO READ ONLY. NOT TO BE SCALED.
3. THIS DRG. SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRGS.
4. THIS BUILDING STRUCTURE HAS BEEN DESIGNED CONSIDERING G+V STOREYED INCLUDING THE GROUND FLOOR.
5. F.G.L. SHALL BE FIXED AT SITE AS PER SITE DECISION AND SHALL BE CONSIDERED AS (a) 0.00 M.
6. GRADE OF:
 - a) STEEL = Fe-500 U.O.M.
 - b) CONCRETE = M-50, DESIGN MIX (1st. To 3rd. Floor, Lvl.) and M-40 (3rd. Floor. To End) FOR SUPER STRUCTURE.
 - c) CEMENT = EQUIVALENT TO S3.
7. CLEAR COVER TO REINF. :
 - d) Slab - i) Top & bottom = 20 mm. ii) End = 25 mm.
 - e) Floor beam = 25 mm.
 - f) Slab = 25 mm.
8. FOR ANY OTHER GUIDELINE NOT STATED IN THIS DRG. RELEVANT I.S. CODES ARE TO BE FOLLOWED.
9. THIS DRAWING IS A GENERAL GUIDELINE FOR STRUCTURE AND IS PREPARED FOR A STATUTORY APPROVAL ONLY AND NOT FOR CONSTRUCTION.
10. CONSTRUCTION SHALL BE MADE BASED ON DETAIL ENGINEERING DRAWING/SHOP DRAWING AS WILL BE APPROVED BY THE ESE.

CERTIFICATE OF OWNER :-

SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER :-

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAVE BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER N.B.C. OF INDIA AND CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT. SOIL INVESTIGATION REPORT HAS BEEN DONE BY ER. ALOKE ROY (CLASS-I, NO. - G.T/111), 6A, MILAN PARK, KOLKATA - 700084. THE RECOMMENDATIONS OF SOIL TEST REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

SIGNATURE OF STRUCTURAL ENGINEER
SNEHASHIS SINHA
E.S.E. 107

ADDRESS:
SINHA & ASSOCIATES
157 BINODA BHAYE ROAD, KOLKATA 700038

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 BUILD ABLE SITE AND NOT A TANK OR A FILLED UP TANK.

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SIGNATURE OF GEO-TECHNICAL ENGINEER

DIGITAL SIGN. OF A.E.

B. P. NO.

VALID UP TO.

STRUCTURAL CONSULTANT:-

SINHA & ASSOCIATES
ENGINEERS & DESIGN CONSULTANTS
157, BINODA BHAYE ROAD, KOL - 700038
PH. NO. :- 2397-0029 / 9903810764
E-mail:- project.sandaidia@gmail.com

DWG NO. | S&A / KONNAGARI / SANC / ST-08

DATE

20.11.2024