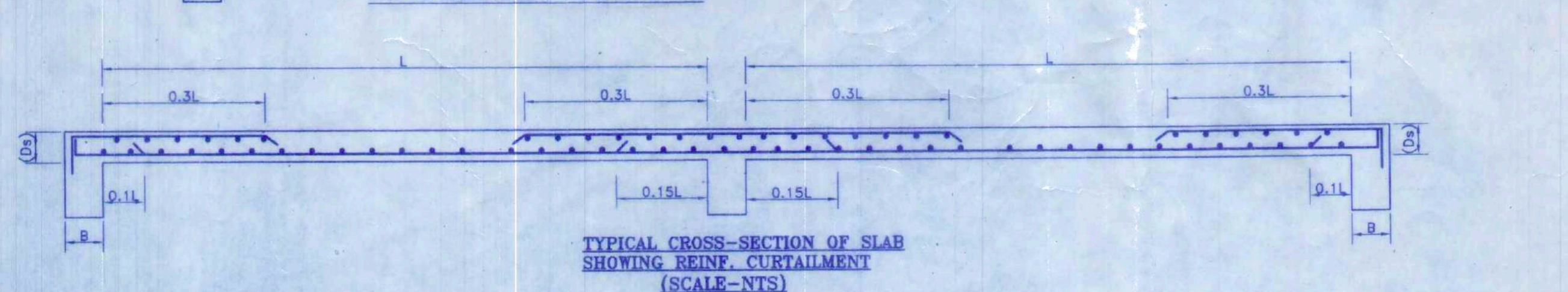
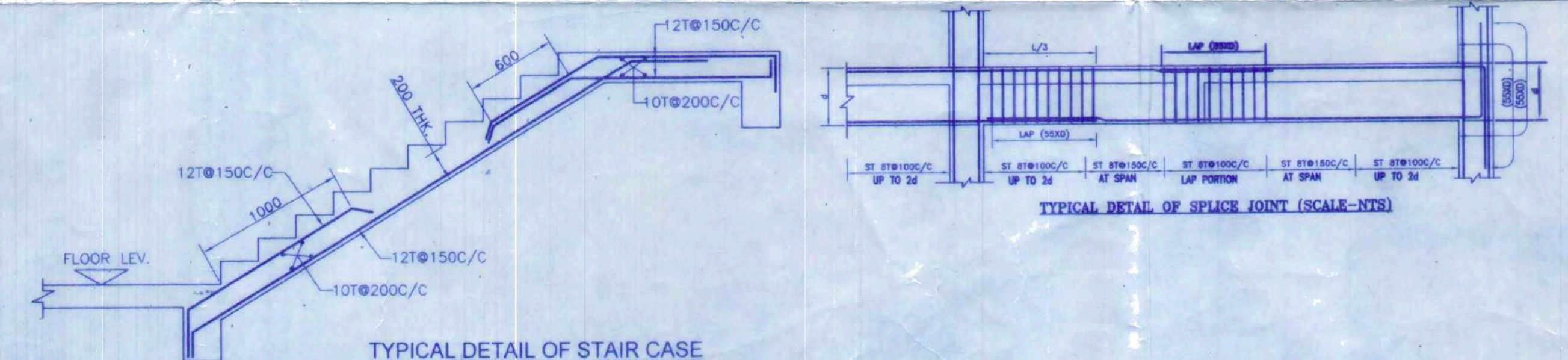
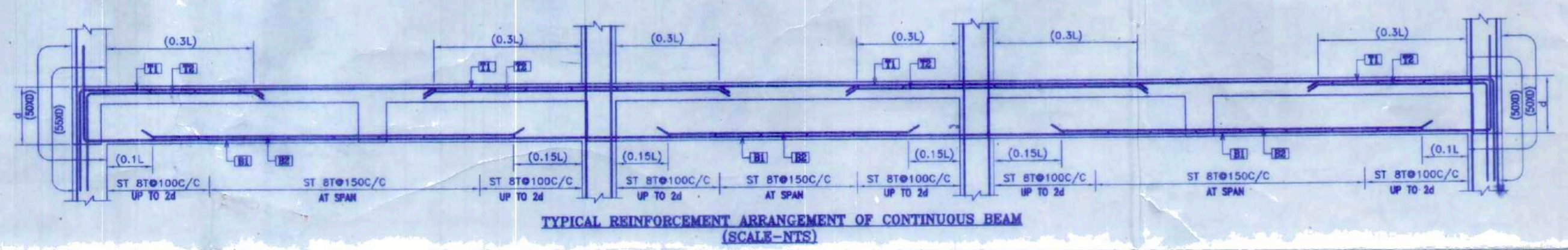
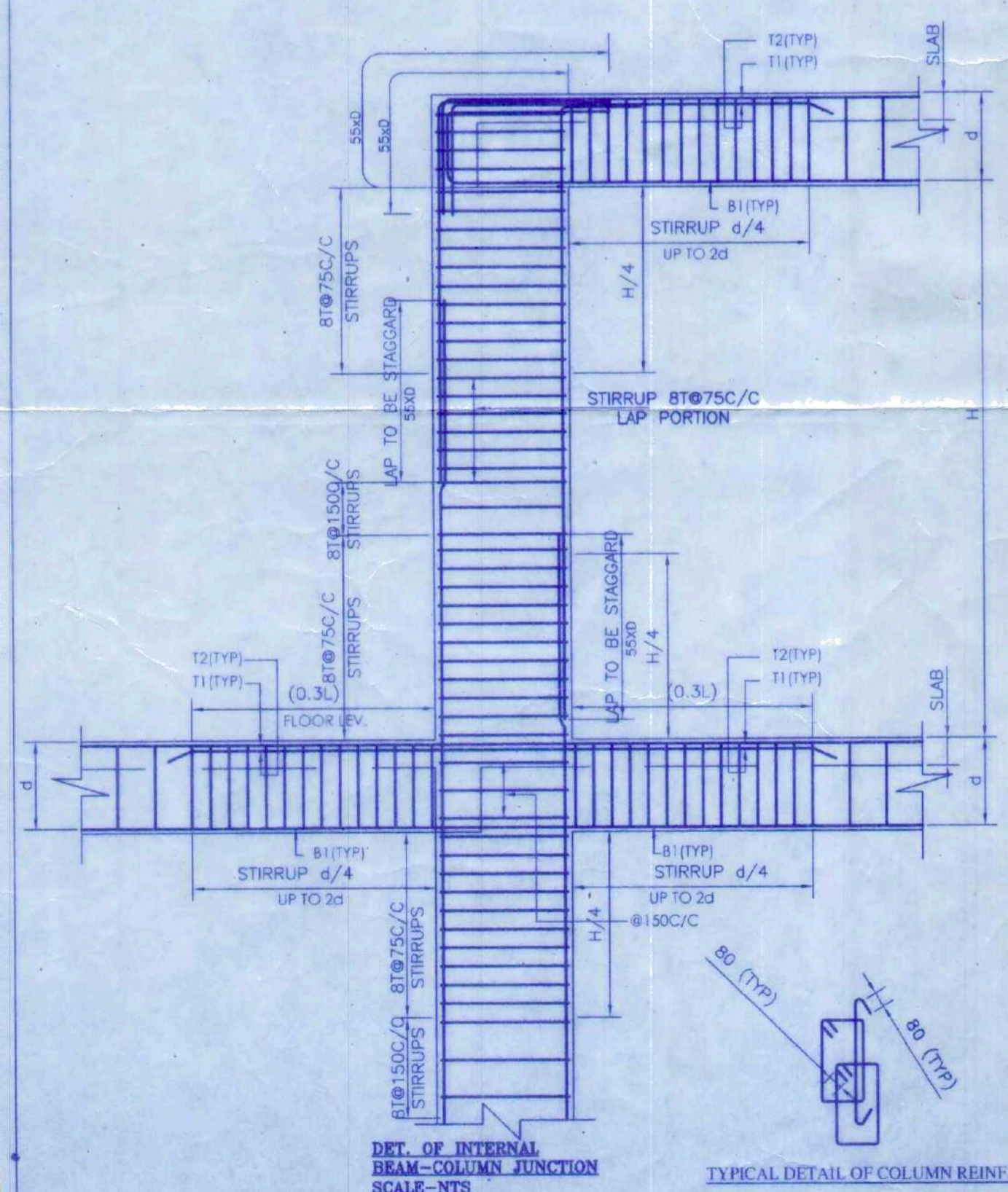


G.A. OF TYPICAL FLOOR LEVEL (TOWER-4)  
ALL SLAB THICKNESS 100 MM UNLESS OTHERWISE MENTIONED  
TOWER 2 & 3 SIMILAR



**TYPICAL FLOOR BEAM SCHEDULE:-**

BEAM MKD.	BEAM SIZE	SUPPORT REINFORCEMENT			SPAN REINFORCEMENT		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
BX-1	200X900/600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BX-2	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
BX-3	200X900/600	3-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BX-4	200X600	2-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BX-5	200X800	3-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BX-6	200X600	3-20T+2-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+2-16T	2L-8T@200 C/C
BX-7	200X600	3-20T+2-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+2-16T	2L-8T@200 C/C
BX-8	200X600	3-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BX-9	200X400	2-16T	2-16T	2L-8T@115 C/C	2-16T	2-16T	2L-8T@200 C/C
BX-10	200X600	3-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BX-11	200X900/600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BX-12	200X600	2-16T	3-20T	2L-8T@115 C/C	2-16T	3-20T	2L-8T@200 C/C
BX-13	200X900/600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BX-14	200X600	3-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BX-15	200X900/600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BX-16	200X600	2-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BX-17	200X600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BX-18	200X400	2-16T	2-16T	2L-8T@115 C/C	2-16T	2-16T	2L-8T@200 C/C
BX-19	200X600	2-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BX-20	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
BX-21	200X600	2-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BX-22	200X900	3-20T+2-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+2-16T	2L-8T@200 C/C
BX-23	200X900	3-20T+2-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+2-16T	2L-8T@200 C/C
BX-24	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C

**TYPICAL FLOOR BEAM SCHEDULE:-**

BEAM MKD.	BEAM SIZE	SUPPORT REINFORCEMENT			SPAN REINFORCEMENT		
		TOP	BOTTOM	STIRRUPS	TOP	BOTTOM	STIRRUPS
BY-1	200X900	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BY-2	200X600	2-16T	3-20T	2L-8T@115 C/C	2-16T	3-20T	2L-8T@200 C/C
BY-3	200X600	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
BY-4	200X600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BY-5	200X600	2-20T	2-20T	2L-8T@115 C/C	2-20T	2-20T	2L-8T@200 C/C
BY-6	200X600	2-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BY-7	200X400	2-16T	2-16T	2L-8T@115 C/C	2-16T	2-16T	2L-8T@200 C/C
BY-8	200X600	3-20T+2-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+2-16T	2L-8T@200 C/C
BY-9	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
BY-10	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
BY-11	200X600	3-16T	3-16T	2L-8T@115 C/C	3-16T	3-16T	2L-8T@200 C/C
BY-12	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
BY-13	200X600	3-20T+2-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+2-16T	2L-8T@200 C/C
BY-14	200X600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BY-15	200X600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BY-16	200X900/600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BY-16A	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
BY-17	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
BY-18	200X600	3-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BY-19	200X600	2-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BY-20	200X600	2-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BY-21	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
BY-22	200X600	3-20T+3-16T	3-20T	2L-8T@115 C/C	2-20T	3-20T+3-16T	2L-8T@200 C/C
BY-23	200X900	3-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C
BY-24	200X400	2-16T	3-16T	2L-8T@115 C/C	2-16T	3-16T	2L-8T@200 C/C
HLB RAKER	200X600	3-20T	3-20T	2L-8T@115 C/C	2-20T	3-20T	2L-8T@200 C/C

**FLOOR SLAB SCHEDULE:-**

SLAB THK.	SHORTER SPAN		LONGER SPAN	
	SUPPORT TOP	MID SPAN BOTTOM	SUPPORT TOP	MID SPAN BOTTOM
100	8 T @ 150 C/C	8 T @ 200 C/C	8 T @ 150 C/C	8 T @ 200 C/C
115	8 T @ 150 C/C	8 T @ 175 C/C	8 T @ 150 C/C	8 T @ 200 C/C

PROPOSED AFFORDABLE HOUSING UNDER PRADHAN MANTRI AWAS YOJANA AT PRE. NO.39/1 SHALIMAR ROAD, MOUZA SHIBPUR SHEET NO.169,170,179,180, J.I. NO. 1, L.R. KHATIAN NO. 170,9,15,17, L.R. DAG NO. 12,13,14,15,16,17,21,22,24,1,2,11 P.S-SHIBPUR, WARD NO-39, BOROUGH -VIDIST HOWRAH-711103, UNDER HOWRAH MUNICIPAL CORPORATION, WEST BENGAL.

**G.A. OF TYPICAL FLOOR (TOWER-4)**

**NOTES**

- ALL DIMENSIONS ARE IN MM EXCEPT NOTED
- GRADE OF CONCRETE - M40 M25
- GRADE OF STEEL Fe500D

**PROVISION**

- 1:25 CEMENT BRICK WORK IN SUPERSTRUCTURE
- 200 THK. EXT. BRICK WALL & 100 THK. INT. BRICK WALL IN 1:4 CEMENT MORTAR
- LEAN CONC. (1:3) WITH 10 MM DOWN GRADE STONE CHIPS FOR ALL P.C.C. WORKS
- M 20 CONC. (1:2) FOR ALL R.C.C. WORKS
- 20 MM x 10 MM THK. PLASTER (5) ON EXT. & INT. BRICK WALL RESPECTIVELY & 10 MM THK. PLASTER (1) ON CEILING
- 20 x 8 PLAT ORNAMENTAL GRILL WITH WINDOW FRAME & AV. 40 MM THK. MARBLE FLOORING INCLUDING SINKING OVER R.C.C. FLOOR
- FINISH LAYER S.S. FOUNDATION PLINTH
- HIRE & LABOUR FOR SHUTTERING & LABOUR WORKS INCLUDING STUCCO PROPS TO BE PLACED AS PER SPECIFICATION
- TOP STEEL BAR FOR R.C.C. WORKS INCLUDING DISTRIBUTORS & BINDERS
- SANITARY & PLUMBING FITTING & FIXING COMPLETE AS PER RULE
- MATERIALS TO BE USED: CEMENT: PORTLAND SAND: MODULUM COURSE
- STONE CHIPS: 10 MM DOWN GRADE
- CLEAR COVER TO MAIN REIN. FOUNDATION: 50 MM. COLUMN: 40 MM. BEAM: 25 MM. SLAB: 20 MM
- SAL WOOD TO BE USED FOR DOOR & WINDOW FRAME & TEAK WOOD FOR SHUTTERS
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED & WRITTEN DIMENSIONS SHALL SUPERCEDE UNWRITTEN DIMENSIONS.

**DECLARATION**

THEY ARE NOT ENTITLED TO BE CONSIDERED BY BOUNDARY WALL. THE CHARACTER OF THE ROAD IS A H.M.C. ROAD. I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN BY ME AS PER PROVISION OF H.M.C. BUILDING RULES 2008 & EXTENDED NOTICES. I AM NOT PROVIDING ANY GUARANTEE FOR THE ACCURACY OF THE DRAWING AND THE SITE CONDITIONS INCLUDING THE WIDTH OF THE ADJUTING ROAD CONFORM WITH THE SITE PLAN AND THAT IS BUILDABLE AS PER THE H.M.C. BUILDING RULES 2008 & EXTENDED NOTICES.

WALAY KUMAR GHOSH  
Regn. No. CA/92/14854  
35A, Dr. Sarat Chandra Road  
Kolkata - 700 029

Signature of Architect: *W. K. Ghosh*  
Director

**DECLARATION**

THEY ARE NOT ENTITLED TO BE CONSIDERED BY BOUNDARY WALL. THE CHARACTER OF THE ROAD IS A H.M.C. ROAD. I DO HEREBY DECLARE WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN BY ME AS PER PROVISION OF H.M.C. BUILDING RULES 2008 & EXTENDED NOTICES. I AM NOT PROVIDING ANY GUARANTEE FOR THE ACCURACY OF THE DRAWING AND THE SITE CONDITIONS INCLUDING THE WIDTH OF THE ADJUTING ROAD CONFORM WITH THE SITE PLAN AND THAT IS BUILDABLE AS PER THE H.M.C. BUILDING RULES 2008 & EXTENDED NOTICES.

BIBEK BIKASH MULLICK  
E.S.E. - 1/75  
KOLKATA MUNICIPAL CORPORATION  
H.M.C./E.S.E./1-75  
M.C. Project. Eng. (Struct. H.M.C.)  
Civil Engrg. (M.C.E. (L.S.))  
File No. 011134/B  
H.M.C. Engrg. Class-1, E.S.E. 1/75

Signature of Structural Engineer: *B. B. Mullick*  
Signature of Structural Review: *B. B. Mullick*

**UNDERTAKING**

- I WILL UNDERTAKE THAT WHEN THE SEWER LINE WILL BE AVAILABLE, I WILL BRING TAKE CONNECTION AT MY OWN COST & PER RISK.
- NO BUILDING MATERIALS WILL BE STACKED/DEPOSITED ON ROAD OVERNIGHT.
- I WILL BRING ARRANGE FOR RAISING & MAINTENANCE OF TREE AS SHOWN IN THE DRAWING AT MY OWN COST.

**ALOK ROY**  
Empanelled Geotechnical Engineer  
Kolkata Municipal Corporation  
Class-I, No.-G. 10/11  
3A, Milan Park  
Kolkata-700016

H.M.C./G.T.E./LIC NO. 3

**STRUCTURAL CONSULTANT:**  
**P.M. CONSULTANT**  
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Email: [pmcstructure@gmail.com](mailto:pmcstructure@gmail.com), [bibekm@rediffmail.com](mailto:bibekm@rediffmail.com)

DESIGNED-BEM REF: \_\_\_\_\_  
CHECKED-BEM SCALE: 1:100/125  
DEALT - raj DATE: 05.03.2020  
DRG. NO - FMC/MUN/ST/SHALIMAR/TOWER-4/02

**THE HOWRAH MUNICIPAL CORPORATION**  
BUILDING PERMIT  
BRN No. C.C. 122-3/2  
Date: 11/03/2020  
Building Department

SPACE FOR H.M.C.



**PARTY'S COPY**

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 255/1422 Date 21/1/20 for record of the Howrah Municipal Corporation without verification. No deviation from the submitted structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form. Necessary steps should be taken for the safety of the adjoining premises public and general properties and safety of human life during construction.

*M. O. H. P.*  
Executive Engineer  
Building Department  
Howrah Municipal Corporation

APPROVED AS PER ORDER OF  
COMMISSIONER Dt. 20/3/21

PLACED IN MUNICIPAL  
BUILDING COMMITTEE  
DATED 06/1/20

HOWRAH MUNICIPAL CORPORATION  
E.S.E. - 1175  
BIRER BIKASH MULLICK