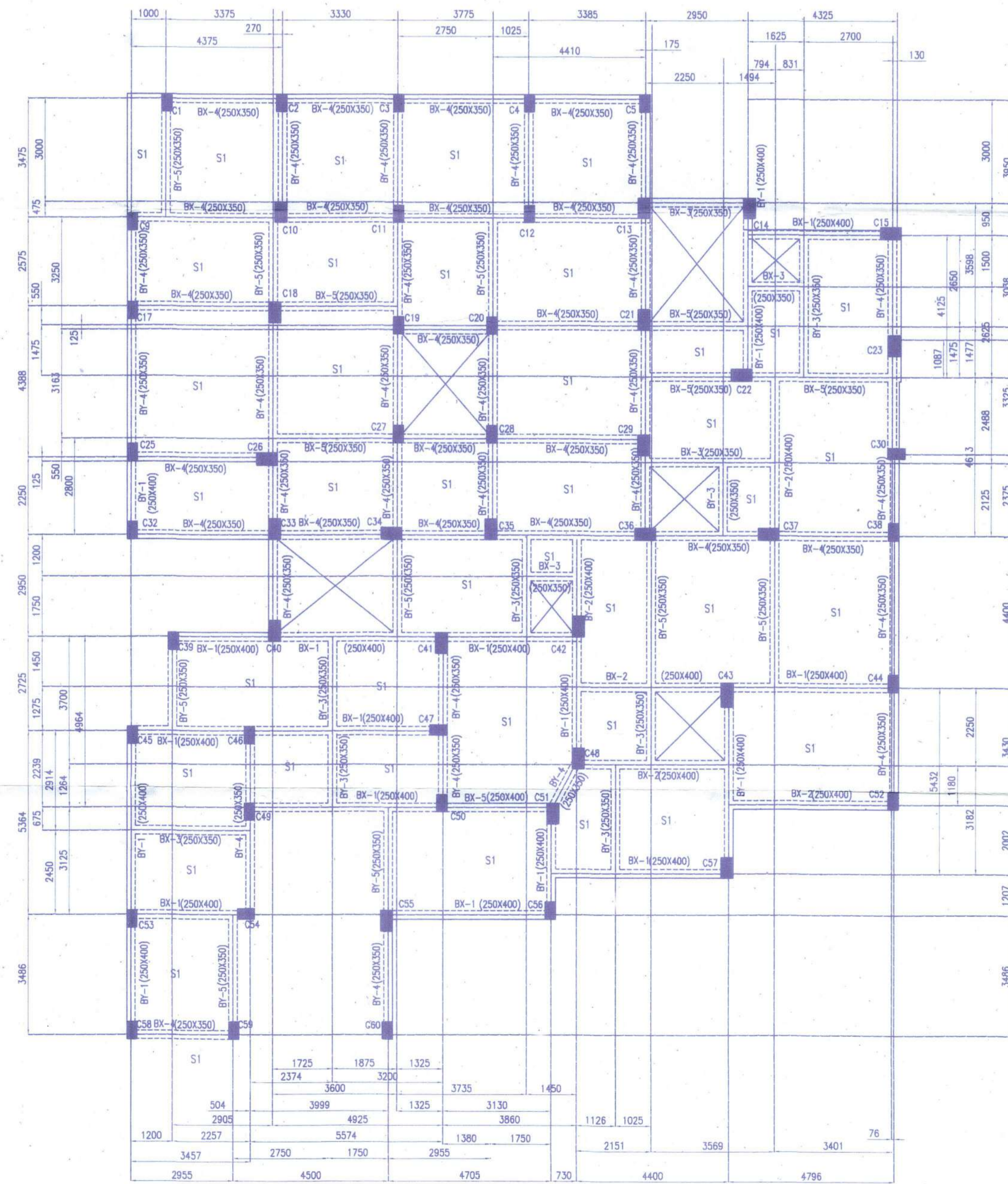
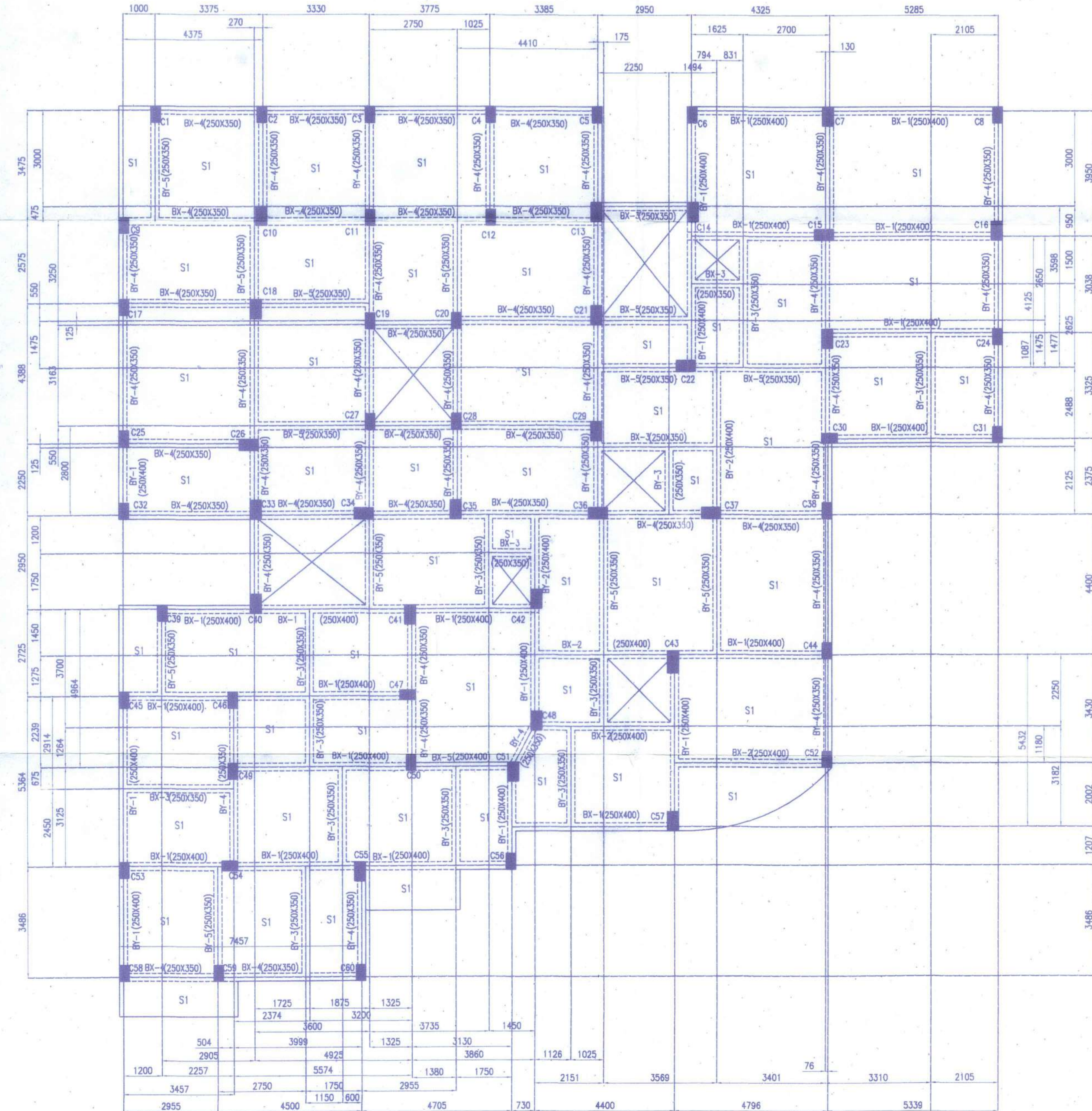


COLUMN SCHEDULE				
Column Mkd	C1 TO C6, C8, C9, C11, C12, C17, C19, C20, C24, C25, C27, C28, C30, C31, C32, C38, C39, C44, C45, C46, C47, C49, C50, C52, C53, C54, C56, C58, C59, C60	C7, C10, C13, C14, C15, C16, C18, C21, C22, C23, C26, C29, C33, C34, C35, C36, C37, C40, C41, C42, C48, C51, C55, C57	C43	
Size	300 x 500	350 x 600	350 x 700	
Foundation To 2ND Floor Detail				
Size	250 x 500	350 x 500	350 x 600	
3RD Floor To 6TH Floor Detail				
Size	250 x 450	300 x 400	300 x 450	
7TH Floor to Roof & Above Detail				

NOTES:

- ALL DIMENSIONS ARE IN MM
- ALL STRUCTURAL CONCRETE SHALL BE OF GRADE M-25 CONFORMING TO IS: 456-2000 & REINFORCEMENT DETAIL FOLLOWED AS PER SP 34
- ALL LEAN CONCRETE SHALL BE GRADE OF (1:4:8)
- ALL REINFORCEMENT STEEL BARS SHALL CONFORM TO IS: 1786-1985 OF GRADE FE-500
- UNLESS NOTED, OTHERWISE LAP/ANCHOR (L) LENGTH SHALL BE 45 TIMES THE DIAMETER OF THE BAR OR CLAUSE 26.2.5.1 OF IS: 456-2000
- CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:-

ITEMS	TOP	BOTTOM	SIZE
a) PILE CAP	50 MM	50 MM	50 MM
b) COLUMN	40 MM	40 MM	40 MM
c) TIE BEAM	20 MM	25 MM	25 MM
d) FOUNDATION BEAM	50 MM	50 MM	50 MM



Panel Mkd.	Thick. (mm)	Bottom Reinforcement		Top Reinforcement over Contr. Suppt.	
		Short Span [2,3]	Long Span [6,7]	Short Span [4,5]	Long Span
S1	120	8φ150 c/c	8φ200 c/c	8φ150 c/c	8φ200 c/c

- Provide reinforcement 8φ300c/c [1] at discontinuous Support at Top.
- Distribution Steel 8φ300c/c Where ever Reqd.
- Provide greater of the Two (i.e. Reinforcement lesser spacing) unless specified.
- Provide support reinforcement at distance 0.02L / 0.30L from the face of support.
- No curtailment of bottom reinforcement shall be done for bars having spacing 200c/c or more.

STRUCTURAL DECLARATION

- CERTIFIED THAT THE FOUNDATION AND THE SUPER STRUCTURE OF THE BUILDING HAVE BEEN SO DESIGNED BY ME TO BE SAFE IN ALL RESPECT INCLUDING IN THE CONSIDERATION OF THE BEARING CAPACITY & SETTLEMENT OF SOIL.
- THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS (HORIZONTAL & VERTICAL) AS PER THE NATIONAL BUILDING CODE OF INDIA.

TITLE : SLAB, BEAM/G/A PLAN & DETAIL OF WATER RESERVOIR TANK

PROPOSED ADDITIONAL THREE FLOOR (5TH. TO 7TH.) OVER SANCTIONED OF B+G+IV STORIED RESIDENTIAL BUILDING AT HOLDING NO -5/2, KHETRA MITRA LANE, P.S. & MOUZA- GOLABARI, L.R. DAG NO-370.371.372, L.R.K.H.NO-32.88.218.279.391.404.682, J.L. NO-1, SHEET NO-20, WARD NO-11, BOROUGH - II, DIST - HOWRAH, UNDER H.M.C. PIN -711106,

STRUCTURAL DETAIL

ALL DIMENSIONS ARE IN M.M.

SHEET NO - 7 OF 8.

SCALE = 1:10 ; 25 ; 50 ; 100 ; 600 & 10,000

Tanusri Datta  
TANUSRI DATTA  
Empanelled Structural Engineer of  
H.M.C. Class-I, Regd. No.-21  
20+20/2, Shalimar Road, Howrah-3

SIGN. OF STR. ENG.

Mintu Paul  
Ar. Mintu Paul (B. Arch.)  
L.B.A. No.-49, of H. M. C  
S. Dulliya, Andul, Howrah 711302

SIGN. OF L. B. S./L.B.A.

Constituted Lawful Attorney  
of  
Sri Sourav Datta alias Raja Datta  
Sri Bireswar Ganguly, Sri Ashok K. Ganguly  
Smt. Poly Banerjee, Smt. Rina Kolay,  
Smt. Latika Ganguly, Smt. Keke Chakrabarty



SIGN. OF APPLICANT/S

H.M.C. SEAL

**CERTIFIED COPY**

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 123456789 Date 12/12/2018 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 private properties and safety of Human Life during construction.

*[Signature]*  
Assistant Engineer (In-Charge)  
Building Department  
Howrah Municipal Corporation

Additional <sup>5th floor</sup> floors over  
Sanctioned ~~2nd floor~~ building  
Approved by order of  
Commissioner D.L. ~~123456789~~  
Hon'ble Mayor D.L. ~~123456789~~

H.M.C. or its men / Officials /  
agents are not responsible  
for the Structural Stability.

*[Handwritten signature]*  
12/12/18