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KOLKATA MUNICIPAL CORPORATION

BUILDING DEPARTMENTS

CERTIFIED COPY OF B.S. PLAN

No. 2019060016 Dt. 19/6/19


Borough No. VI



Assistant Engineer VI

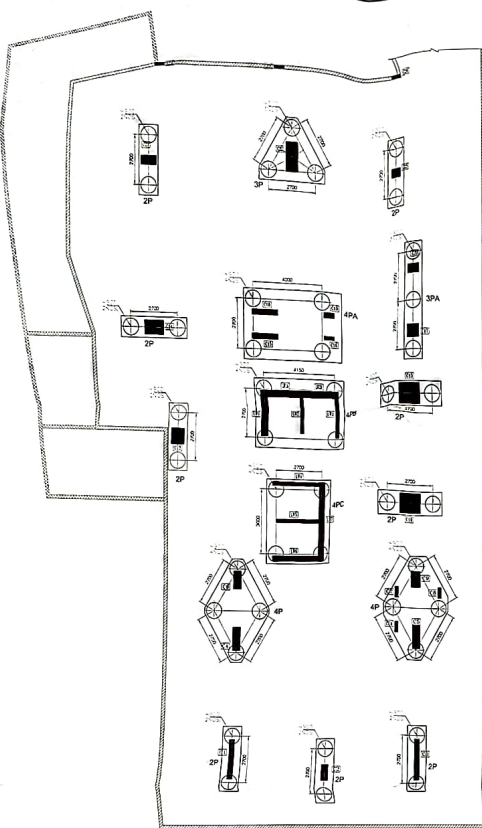

Executive Engineer VI

Structural plan and design calculation as submitted by the structural engineer have been kept with B.P. No. 2019060016 Date 19/6/19 for record of the Kolkata 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.

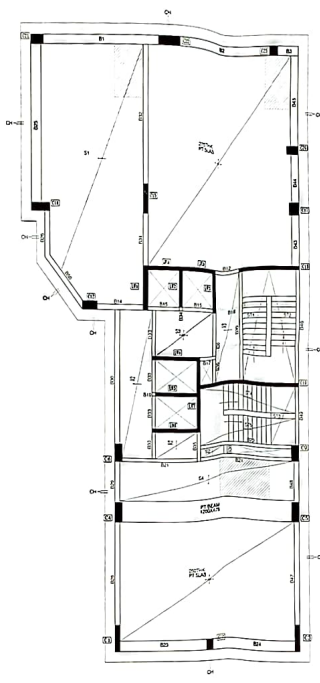



EXECUTIVE ENGINEER/ASSTT. ENGINEER
BOROUGH NO. VI


VI



INDEX PLAN FOR R.C.C. PILE MARKING

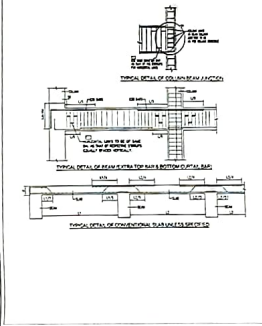
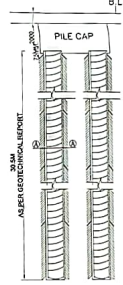


INDEX PLAN FOR R.C.C. FLOOR FRAMING

PILE NOTES :-
 1. PILES - BORED CAST IN SITU PILES
 2. LOCATION OF PILES WITH RESPECT TO COLUMN CENTRES SHOULD AS SHOWN IN R.C.C. PLAN
 3. 2.00 FT OFF LEVEL OF PILE AS PER SECTION
 4. IS 2311 PART SHALL BE FOLLOWED FOR ALL RELATED TECHNICAL MATTER.
 5. LOADS OF CONCRETE 1500
 6. WATER CEMENT RATIO 0.45 TO BE ACHIEVED BY USING PLASTERIZER TO GET 150-175mm SLUMP
 7. GRADE OF STEEL F4500

SCHEDULE OF R.C.C. PILES-

PILE DIA	EFFECTIVE LENGTH OF PILE	CAPACITY	STEEL	LINK
~100	40 m	100 TON	M 16 - 12.5 m M 16 - 10.0 m M 16 - 7.5 m M 16 - 5.0 m	18 # 8mm



NOTES:
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 2. The size shall be taken as apparent that requires strength of concrete to be gained before commencement of casting, it shall comply with provisions of Clause No. 11.3 of IS 456: 2000.
 3. Nominal cover:
 I Floorings
 II Columns & walls 200mm width (to both of column)
 III Columns & walls with width of 200mm & below having height of dia. 10mm & above (to both of column)
 IV Columns & walls with width of 200mm & below having height of dia. 12mm (to both of column)
 V Slabs
 VI Beams (to bottom of beam)
 VII L.S. walls
 For main rest. up to 120mm dia. bar for mild exposure the nominal cover may be reduced by 5mm for slabs & beams only.
 4. Beams with depth more than 750mm, provide side face reinforcement.
 5. Submittals shall be approved from our office before laying P.C.C.
 6. Minimum clear spacing between any two longitudinal bars in beam 30mm.
 7. All laps (Ld) shall be staggered & not more than 50% bars to be lapped in any given section.
 8. Any given section:
 CROSS SECTION: M20 M25 M30 M35 M40 & ABOVE
 F415 48 X D 41 X D 38 X D 34 X D 30 X D
 F4500 (M25) 57 X D 49 X D 42 X D 40 X D 38 X D
 For hooked bars, Ld shall be increased by 20% for 4 bars in contact, 20% for 3 bars in contact and 33% for 4 bars in contact.
 9. All fittings shall have to be done before slab & ground floor level.
 10. If fittings overlap with each other, necessary provision shall be obtained from our office.
 11. Design is valid for number of floors as indicated in the drawing.
 12. In any level where column size gets reduced in either dimension, 60 beams/depth beams are essential.
 13. For cantilevers, top bars to be provided instead from external face of support for -Ld or span of cantilever - 2 Hour min.
 14. Free fixing considered - 2 Hour min.
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BEAM SCHEDULE

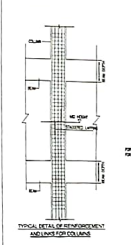
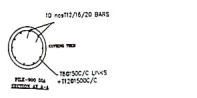
BEAM NUMBERS	SIZE	BOTTOM REINFORCEMENT			TOP REINFORCEMENT			SHEAR STIRRUPS		SFR	REMARKS
		LEFT	MID SPAN	RIGHT	LEFT	MID SPAN	RIGHT	LEFT	RIGHT		
B1	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B2	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B3	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B4	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B5	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B6	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B7	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B8	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B9	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B10	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B11	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B12	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B13	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B14	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B15	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B16	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B17	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B18	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B19	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B20	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B21	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B22	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B23	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B24	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B25	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B26	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B27	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B28	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B29	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B30	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B31	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B32	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B33	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B34	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B35	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B36	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B37	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B38	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B39	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B40	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B41	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B42	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B43	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B44	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B45	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B46	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B47	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B48	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B49	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF
B50	300 600	5T25	5T25	5T25	4T12@125 CC	5T25	5T25	5T25	5T25	5T25	1T16EF

PILE CAP SCHEDULE

S/N	PILE CAP SIZE	MAIN REINFORCEMENT				SFR
		ALONG LONGER SIDE		ALONG SHORTER SIDE		
		TOP	BOTTOM	TOP	BOTTOM	
1	300 X 600	4T25	4T25	4T25	4T25	1T16
2	300 X 600	4T25	4T25	4T25	4T25	1T16
3	300 X 600	4T25	4T25	4T25	4T25	1T16
4	300 X 600	4T25	4T25	4T25	4T25	1T16
5	300 X 600	4T25	4T25	4T25	4T25	1T16
6	300 X 600	4T25	4T25	4T25	4T25	1T16
7	300 X 600	4T25	4T25	4T25	4T25	1T16
8	300 X 600	4T25	4T25	4T25	4T25	1T16
9	300 X 600	4T25	4T25	4T25	4T25	1T16
10	300 X 600	4T25	4T25	4T25	4T25	1T16

SCHEDULE OF RCC SLABS

TYPE	THICKNESS	STEEL ALONG SPAN	STEEL ACROSS SPAN	REMARKS
S1	200	11 @ 100 CC ALL STR @ BTRY	11 @ 100 CC ALL STR @ BTRY	
S2	125	11 @ 100 CC ALL STR	11 @ 200 CC DST	
S3	125	11 @ 200 CC AT BEAM UP	11 @ 200 CC DST	
S11,S12	225	11 @ 100 CC AT BEAM UP	11 @ 200 CC DST	SCISSOR JOINT AT RESPECTIVE UPPER LANDINGS
S13	200	11 @ 100 CC AT BEAM UP	11 @ 200 CC DST	SCISSOR JOINT AT RESPECTIVE UPPER LANDINGS
S14,S15	200	11 @ 100 CC AT BEAM UP	11 @ 200 CC DST	SCISSOR JOINT AT RESPECTIVE UPPER LANDINGS
OH	100	11 @ 200 CC TOP & EVERY ALT BAR END BACK ALONG BTRY	11 @ 200 CC DST	CANTILEVER



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PROJECT:
 PLAN PROPOSAL OF B-114 (HT-57.300 MT) STORED COMMERCIAL BUILDING PREMISES NO.182, A.J.C BOSE ROAD, P.O-PARK STREET, P.S-SHAHAPUR SARI, KOLKATA-700 014, UNDER KOLKATA MUNICIPAL CORPORATION

TITLE:
 FOUNDATION BEAM & FLOOR LAYOUT WITH TYPICAL R.C.C. DETAIL & SCHEDULES

DATE:
 04/11/2024

DESIGNED BY:
 SANJAY K. SARKAR

CHECKED BY:
 SANJAY K. SARKAR

DATE:
 04/11/2024

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DATE:
 04/11/2024

DESIGNED BY:
 SANJAY K. SARKAR

CHECKED BY:
 SANJAY K. SARKAR

DATE:
 04/11/2024

Signature of Owner:
 Signature