

1900 8/17/2019

NOTES:-

1. ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
2. SUPER STRUCTURE : SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
3. ALL GRADE OF CONCRETE M35,M25.
4. ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.
5. FOR STEEL GRADE Fe 415 AS PER IS 1786-1979.
6. LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
7. FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASSBRICK IN 1:6 CEMENT MORTAR.
8. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

MEMBER	TOP	BOTTOM	SIDE
a. FOUNDATION BEAM & SLAB	50	50	50
b. COLUMN			40
c. FLOOR BEAM.	30	30	30
d. TIE BEAM.	30	30	30
e. FLOOR SLAB.	20	20	20
f. PILE			50
g. PILE CAP	50	50	50

**CERTIFICATE OF OWNER**

1. I ENGAGED ARCHITECT AND E.S.E DURING CONSTRUCTION
2. I FOLLOWED THE INSTRUCTIONS OF ARCHITECT AND E.S.E DURING CONSTRUCTION OF THE BUILDING.
3. K.M.C AUTHORITY WILL NOT BE RESPONSIBLE FOR STRUCTURE STABILITY OF BUILDING AND ADDING STRUCTURE.
4. IF ANY SUBMITTED DOCUMENT IS FOUND TO BE FAKE THE K.M.C AUTHORITY MAY REVOKE THE SANCTION PLAN.
5. THE CONSTRUCTION OF WATER RESERVOIR AND SEPTIC TANK EXECUTED UNDER THE GUIDANCE OF ARCHITECT & E.S.E.

*Dipannava Senapati*  
 Member of Green Street Madras  
 Section In-charge

**SIGNATURE OF OWNER**

**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.

*Raj Kumar Agarwal*  
 Architect  
 Member of Council of Architecture CA/94/17940

**SIGNATURE OF ARCHITECT**

**SIGNATURE OF ARCHITECT**  
**RAJ KUMAR AGARWAL**  
 COUNCIL REGISTRATION NO. CA/94/17940  
 ADDRESS:  
 RAJ AGARWAL & ASSOCIATES  
 8B, ROYD STREET (2ND FLOOR), KOLKATA-16.

**CERTIFICATE OF STRUCTURAL ENGINEER**

THE STRUCTURAL DESIGN OF BOTH FOUNDATION AND SUPERSTRUCTURE 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 RESPECTS. SOIL INVESTIGATION REPORT HAS BEEN DONE BY ALOK ROY OF GEOTECH ENGINEERS PVT. LTD. 6A MILAN PARK, KOLKATA-700084. THE RECOMMENDATION OF SOIL REPORT HAS BEEN CONSIDERED DURING STRUCTURAL CALCULATION.

*Sanjiv J. Parekh*  
 M.E. (STRUCT.), M.E. (CONST. ENGRG.)  
 R.C.E. REG. NO. 118654-5  
 E.S.E. NO. 104 (1) K.M.C.

**SIGNATURE OF STRUCTURAL ENGINEER**  
**SANJIV J. PAREKH,**  
 E.S.E. I (104),  
 ADDRESS:  
 34 RAMMOHAN DUTTA ROAD,  
 KOLKATA-20.

**SIGNATURE OF STRUCTURAL REVIEWER**  
**SANJIV GUHA**  
 B.Sc., B.C.E., P.E. (118654-5)  
 CHARTERED ENGINEER  
 REGISTERED STRUCTURAL  
 REVIEWER WITH K.M.C.

**SIGNATURE OF STRUCTURAL REVIEWER**  
**SANJIV GUHA,**  
 E.S.E. I (88),  
 ADDRESS:  
 34 RAMMOHAN DUTTA ROAD,  
 KOLKATA-20.

**SIGNATURE OF GEO-TECHNICAL ENGINEER**  
**ALOK ROY**  
 B.E.CIVIL, MCE (SOIL MECH & FOUNDATION ENGRG.), M.E., MASCE (I),  
 M.A.C.T. (I) M.S.C.E. ENGRG. (I) DIRECTOR  
 Employment No. : 008/G.T. Eng. of Rajpur-Sonarpur Municipality  
 ADDRESS:  
 6A MILAN PARK, KOLKATA-700084.

**SIGNATURE OF GEO-TECHNICAL ENGINEER**  
**ALOK ROY**  
 B.E.CIVIL, MCE (SOIL MECH & FOUNDATION ENGRG.), M.E., MASCE (I),  
 M.A.C.T. (I) M.S.C.E. ENGRG. (I) DIRECTOR  
 Employment No. : 008/G.T. Eng. of Rajpur-Sonarpur Municipality  
 ADDRESS:  
 6A MILAN PARK, KOLKATA-700084.

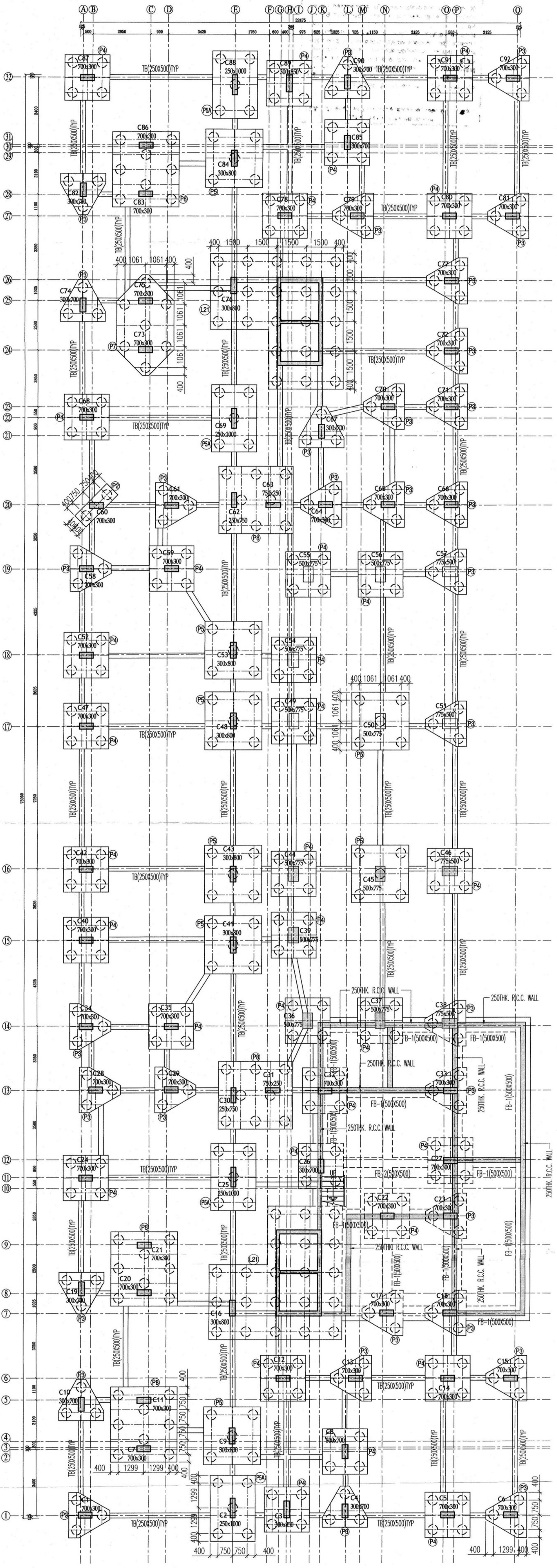
**PROJECT**  
**PROPOSED G+X (33.55M. HT.) STORIED RESIDENTIAL BUILDING AT PRE NO.- 214, RAJA RAM MOHAN ROY ROAD, P.S. - HARIDDEVPUR, WARD NO. - 122, BOROUGH :- XIII, KOLKATA - 700008.**

**TITLE**  
**CORPORATION DRAWING FOUNDATION LAYOUT**

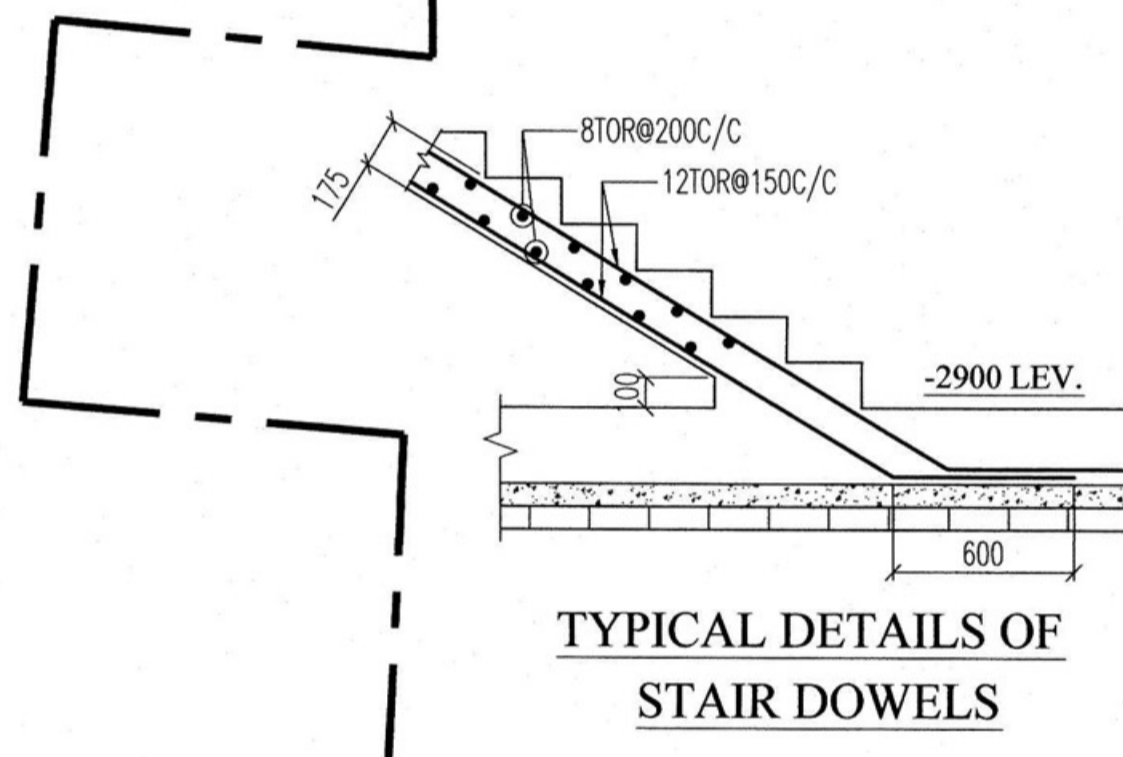
**ARCHITECTS**  
**RAJ AGARWAL & ASSOCIATES**  
 8B, ROYD STREET, KOLKATA-16

**STRUCTURAL ENGINEERS**  
**S.P.A. CONSULTANTS**  
 33, JUSTICE CHANDRA MADHAB ROAD, KOLKATA - 700020. PHONE - 2486-4474, 2476-3733 FAX- 475-2484 E-Mail: spa\_cons@yahoo.co.in

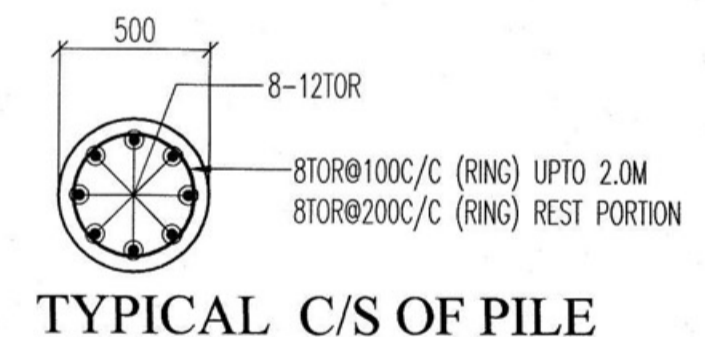
**DRAWN BY:** SURAJIT **CHECKED BY:** **JOB NO.** SPA/RAJ/2018/04  
**DATE:** 08.01.2019 **SCALE :** 1:100/25 **DRG. NO.** SPA/RAJ/2018/04/CS-01



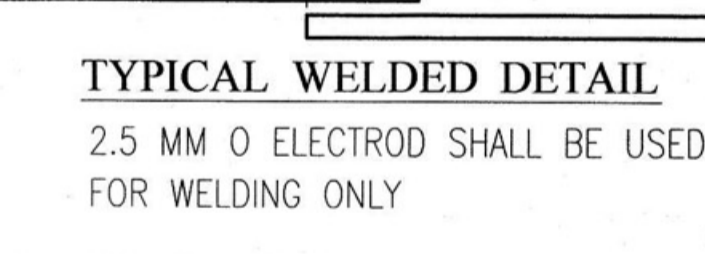
**PILE FOUNDATION LAYOUT**



**TYPICAL DETAILS OF STAIR DOWELS**



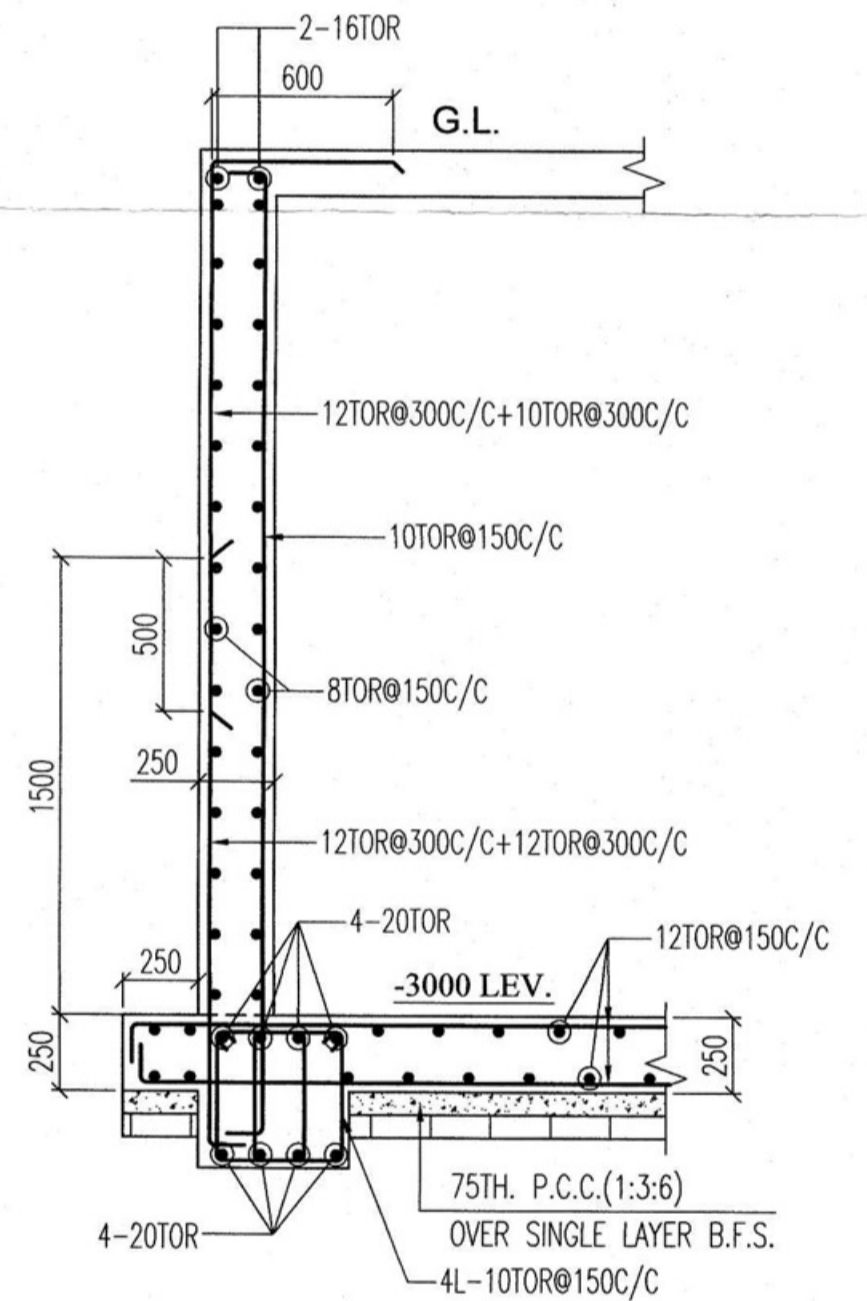
**TYPICAL C/S OF PILE**



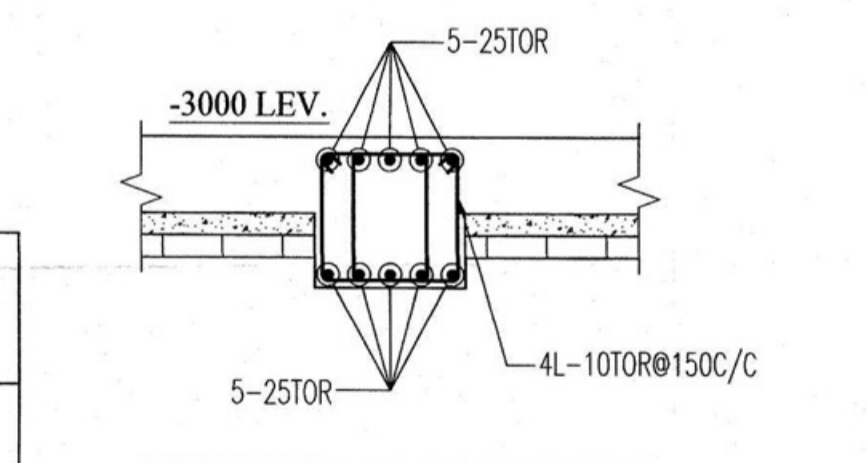
**TYPICAL WELDED DETAIL**  
 2.5 MM Ø ELECTROD SHALL BE USED FOR WELDING ONLY

**PILE SCHEDULE**  
 MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg/m<sup>3</sup>

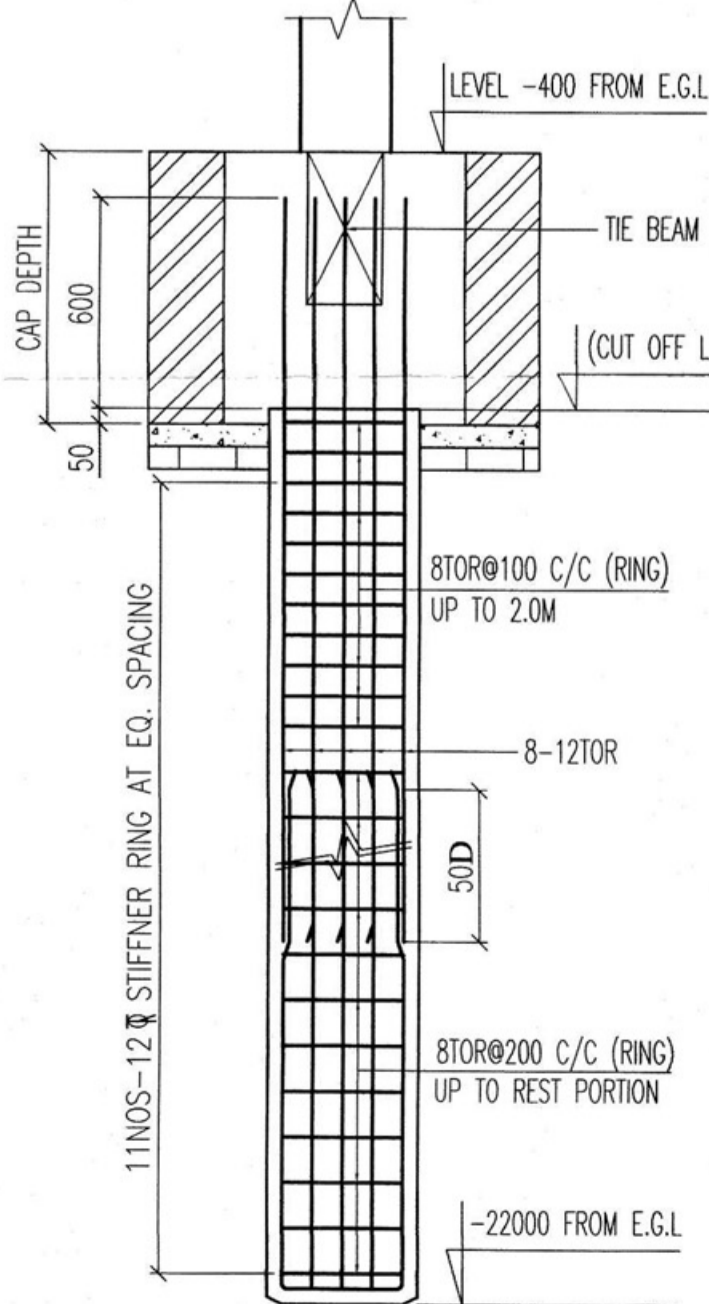
TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
○	500	8-12#	55.0T



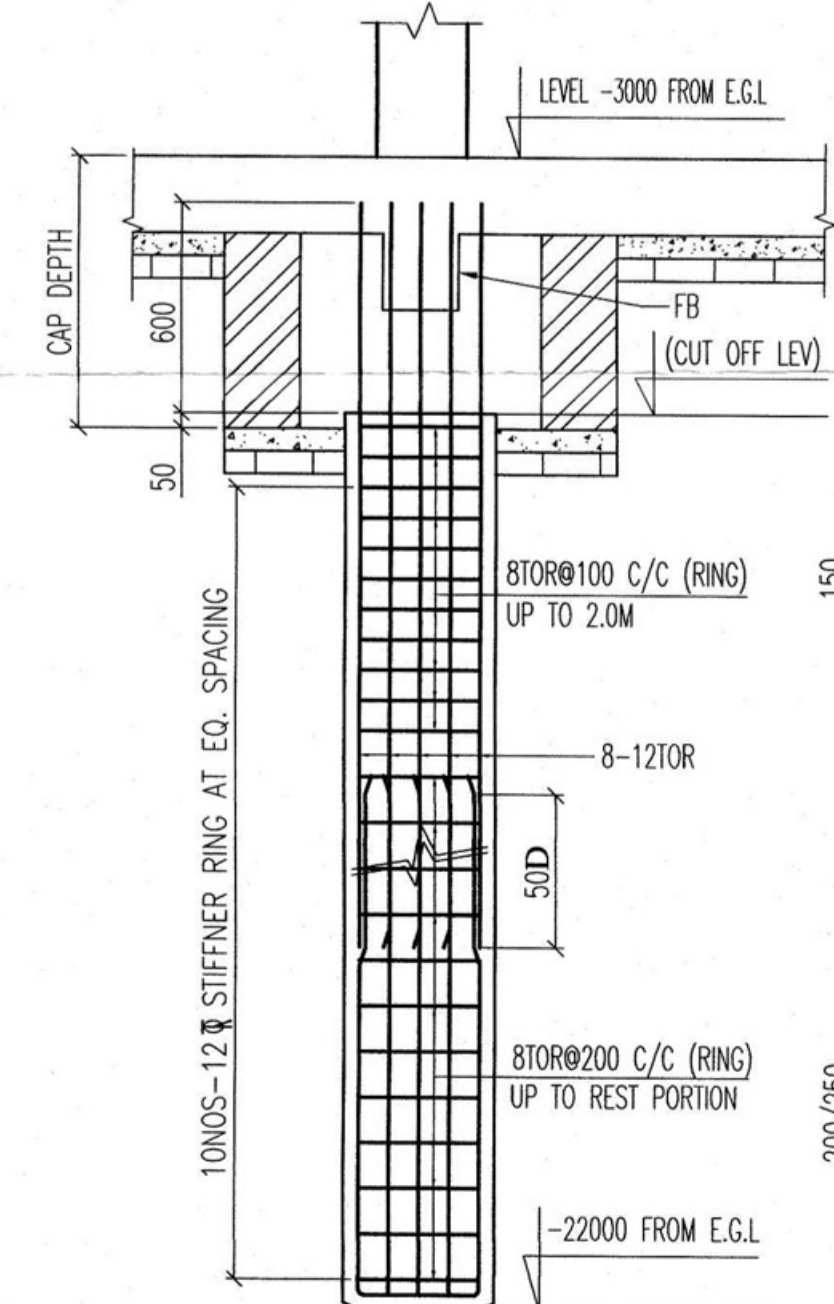
**TYPICAL DETAILS OF 250THK. R.C.C. WALL & FB-1(500X500)**



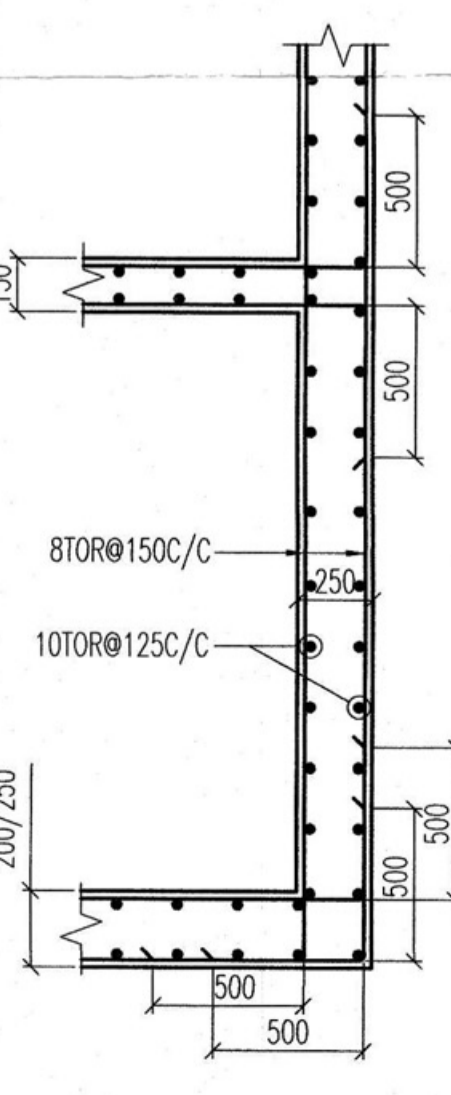
**TYPICAL DETAILS OF FB-2(500X500)**



**TYPICAL DETAIL OF PILE - 500 Ø FOR NON M.L.C.P. AREA**



**TYPICAL DETAIL OF PILE - 500 Ø FOR U.G.W.R. AREA**



**TYPICAL DETAILS OF LIFT WALL**

5-1

# PARTY'S COPY

DEVIATION WOULD MEAN DEMOLITION

RESIDENTIAL BUILDING

Necessary steps should be taken for the safety of the lives of the adjoining public and private properties during construction.

THE SANCTION IS VALID UP TO 23/01/2024

Structural plan and design calculation as submitted by the structural engineer have been kept with B. P. No. 2018/30224 Date 24/01/19 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

*Kant*  
Asst. Engineer/Technical Advisor / Executive Engineer  
BOROUGH NO.- XIII, XIV

*Senekar*

2017/130279



BUILDING DEPARTMENT  
24 JAN 2019  
THE KOLKATA MUNICIPAL CORPORATION