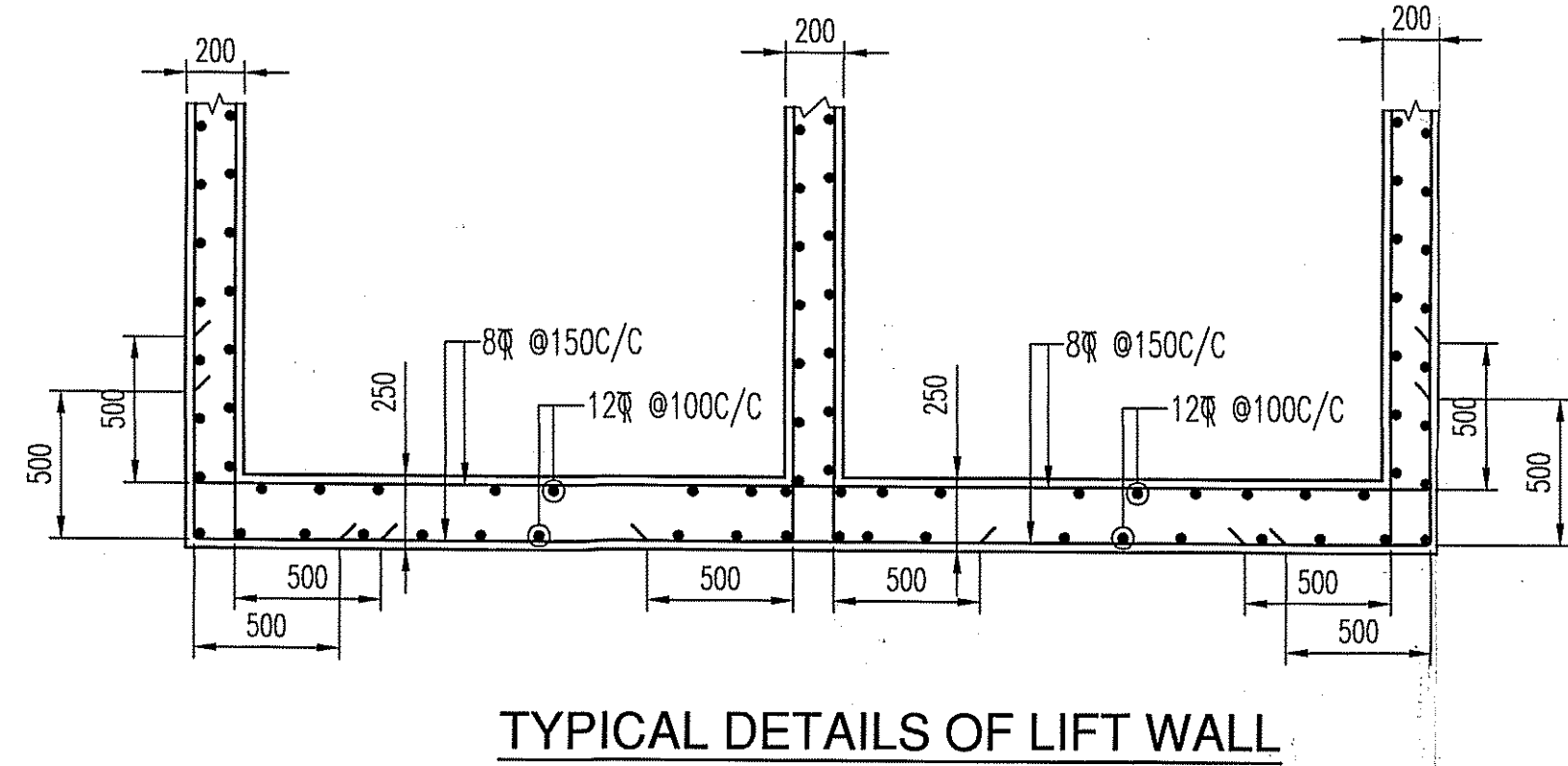
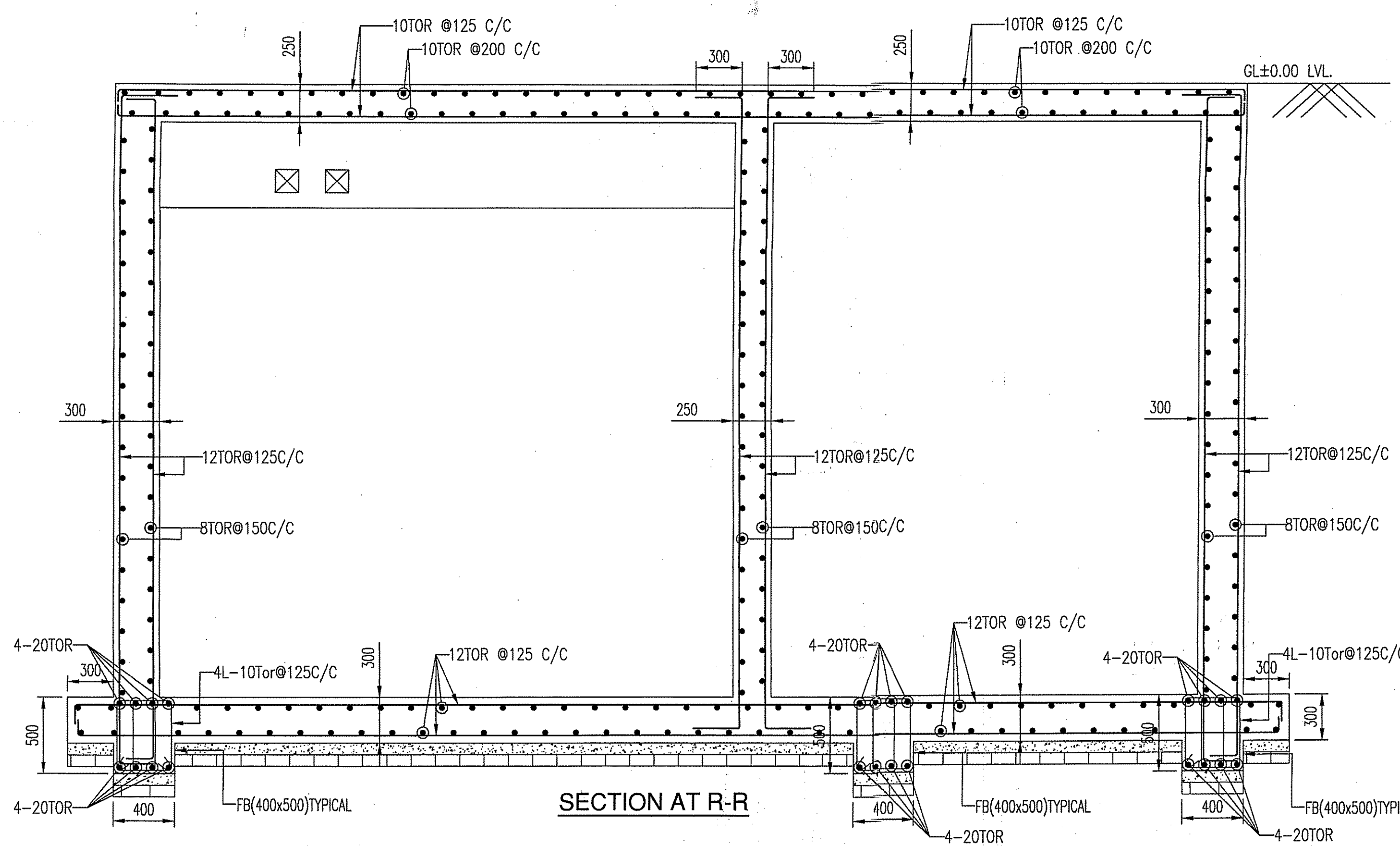


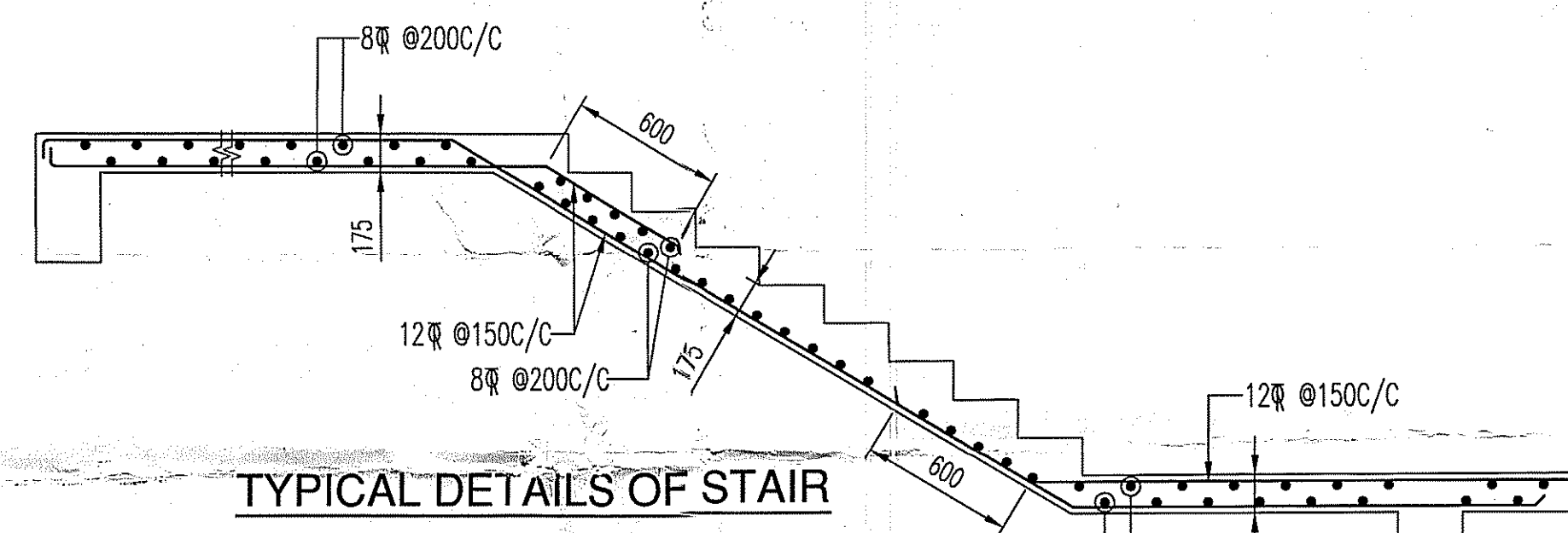
PILE CAP SCHEDULE				
GRADE OF CONCRETE - M25				
TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
P1	800x800	750	10 ϕ 150 C/C (T) 16 ϕ 125 C/C (B)	10 ϕ 150 C/C (T) 16 ϕ 125 C/C (B)
P2	1200x2300	1000	4L-12 ϕ 1500/C	12 ϕ 100 C/C (T) 16 ϕ 100 C/C (B)
P3	AS/DWG	1000	12 ϕ 150 C/C (T) 16 ϕ 150 C/C (B)	12 ϕ 150 C/C (T) 16 ϕ 150 C/C (B)
P4, P4A	2300x2300	1000	12 ϕ 150 C/C (T) 16 ϕ 100 C/C (B)	12 ϕ 150 C/C (T) 16 ϕ 100 C/C (B)
P5	2921x2921	1000	12 ϕ 150 C/C (T) 20 ϕ 100 C/C (B)	12 ϕ 150 C/C (T) 20 ϕ 100 C/C (B)
P7	AS/DWG	1700	12 ϕ 150 C/C (T) 20 ϕ 125 C/C (B)	12 ϕ 150 C/C (T) 25 ϕ 125 C/C (B)
P8	3400x5100	1500	12 ϕ 150 C/C (T) 25 ϕ 125 C/C (B)	12 ϕ 150 C/C (T) 25 ϕ 125 C/C (B)
P8A	2921x5043	1500	12 ϕ 150 C/C (T) 25 ϕ 125 C/C (B)	12 ϕ 150 C/C (T) 25 ϕ 125 C/C (B)
P10	4000x5150	1500	12 ϕ 150 C/C (T) 25 ϕ 125 C/C (B)	12 ϕ 150 C/C (T) 25 ϕ 125 C/C (B)



TYPICAL DETAILS OF LIFT WALL



SECTION AT R-R

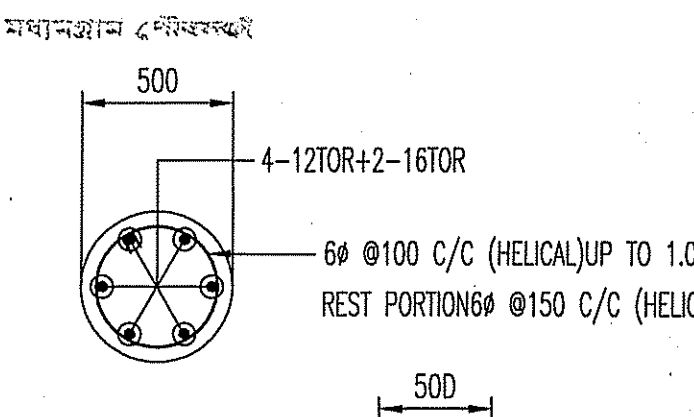


TYPICAL DETAILS OF STAIR

BOARD MEETING DATE: 13-04-2023

SANCTIONED
On 13/04/2023
P.A. No. 2023-01000/002-2024
VALID UPTO: 12/04/2026

CHARTERED
Madhyamgram Municipality
Dist. North 24 Parganas



TYPICAL WELDED DETAIL

2.5 MM ϕ ELECTRODE SHALL BE USED FOR WELDING ONLY

PILE SCHEDULE (GRADE M25)			
MIN. CEMENT CONTENT IN CONCRETE SHALL BE = 400kg/m ³			
TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
	500	4-12 ϕ +2-16 ϕ	75.0T

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

9. THIS DRAWING IS THE PROPERTY OF M/S S.P.A CONSULTANT AND CANNOT BE COPIED OR USED WITHOUT THEIR WRITTEN PERMISSION.

- NOTES :-
- ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE MENTIONED.
 - ALL GRADE OF CONCRETE AS/SCHEDULE.
 - SUPER STRUCTURE : ALL SUPER STRUCTURE BRICK WORK SHALL BE OF AAC BLOCKS.
 - ALL MATERIALS SHALL CONFORM TO RELEVANT I.S. CODES.
 - FOR STEEL GRADE Fy 500 AS PER IS 1786-2008.
 - LAPS, SPLICES & BOND LENGTH SHOULD BE 50 D WHERE 'D' IS THE SMALLEST BAR DIA.
 - FOUNDATION & PLINTH : BRICKWORK IN FOUNDATION & PLINTH SHALL BE OF 1ST CLASS BRICK IN 1:6 CEMENT MORTAR.
 - MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

SIGNATURE OF OWNER
SANKU GUHA
REG. NO. 151884-91
CHARTERED ENGINEER
REGISTERED STRUCTURAL REVIEWER 8816 K.M.C.

SIGNATURE OF STRUCTURAL REVIEWER
JISHU PAL
REG. NO. 151884-91
CHARTERED ENGINEER
REGISTERED STRUCTURAL REVIEWER 8816 K.M.C.

SIGNATURE OF GEO-TECHNICAL ENGINEER
CERTIFICATE OF STRUCTURAL ENGINEER
CERTIFIED THAT THE STRUCTURAL DESIGN & DRAWINGS OF BOTH FOUNDATION & SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER THE NATIONAL BUILDING CODE OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECTS.

SIGNATURE OF STRUCTURAL ENGINEER
SANJIV J. PAREKH
REGISTERED STRUCTURAL ENGINEER
REG. NO. 151884-91
CHARTERED ENGINEER
REGISTERED STRUCTURAL REVIEWER 8816 K.M.C.

CERTIFICATE OF ARCHITECT
THE LBA HAS CERTIFIED ON THE PLAN SHEET 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 CONDITIONS INCLUDING THE BIRTH OF THE ADJOINING ROAD CONFORM WITH THE PLAN AND IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP TANK.

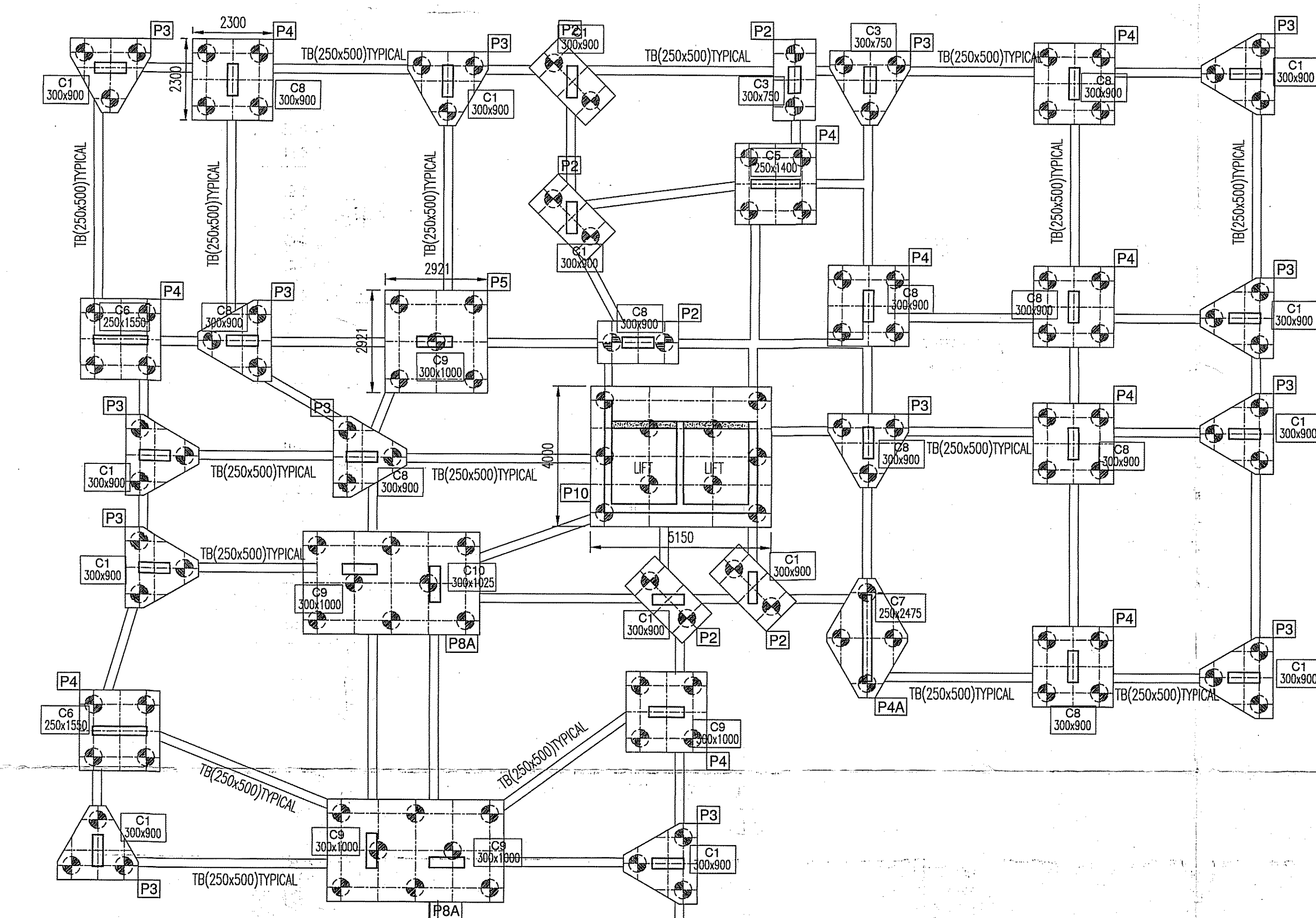
RAJKUMAR AGARWAL
Architect
Member of Council of Architects CA / 94 / 17940
SIST. OF ARCHITECTS
RAJKUMAR AGARWAL
COUNCIL REGISTRATION NO. CA/94/17940
ADDRESS:
RAJ AGARWAL & ASSOCIATES
88, ROYD STREET (2ND FLOOR), KOLKATA-16.

PROJECT
PROPOSED G+X STORED (31.0 M. HT.) RESIDENTIAL BUILDING AT SITE RSLR DAG NO. 770, 773 & 775, MOUZA: SAHARA, J.L. NO. 46 AND RSLR DAG NO. 1155, 1160, 1161, 1165 & 1166, MOUZA: DOHARIA, J.L. NO. 45, POLICE STATION- MADHYAMGRAM, MADHYAMGRAM MUNICIPALITY, DISTRICT- NORTH 24 PARGANAS.

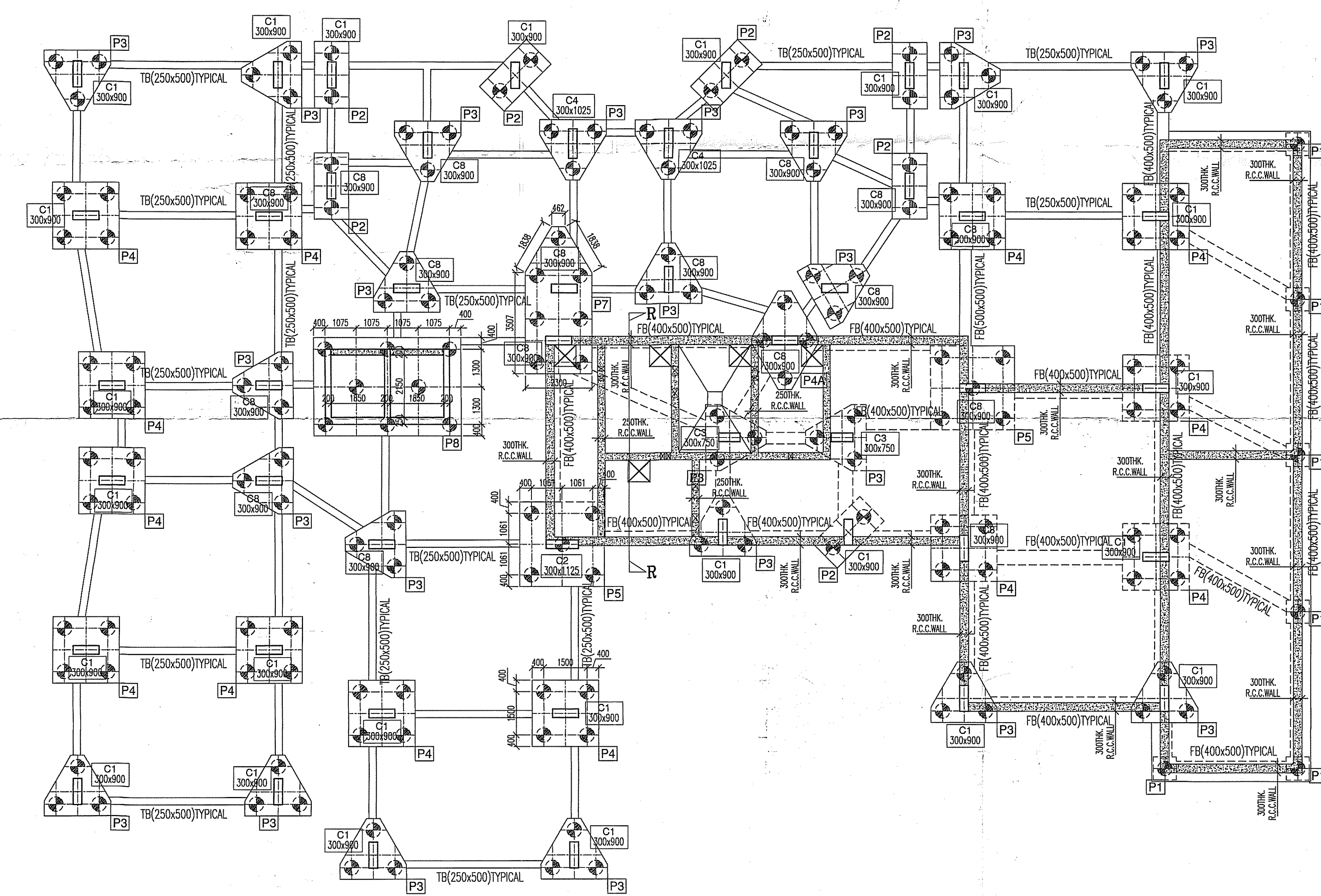
TITLE
STRUCTURAL CORPORATION DRAWING
PILE LAYOUT, TIE BEAM LAYOUT
STRUCTURAL ENGINEERS
S.P.A. CONSULTANTS
34, RAM MOHAN DUTTA ROAD
PH. NO 2485-5448/5449, 2475-7614
E-mail: s.p.a_consultants@yahoo.co.in
DRAWN BY: [Signature] CHECKED BY: [Signature] DATE: 27.09.2022 SCALE: 1:100, 25
JOB NO. 2022 147 SPA RAJ AG. 194 OLD J. ROAD (2ND FLR.)
DWG. NO. 2022/147/SPARAJ AG./154 OLD J. ROAD/CS-01

ARCHITECT
RAJ AGARWAL & ASSOCIATES
88, ROYD STREET, KOLKATA - 16
APPROVED BY: [Signature]

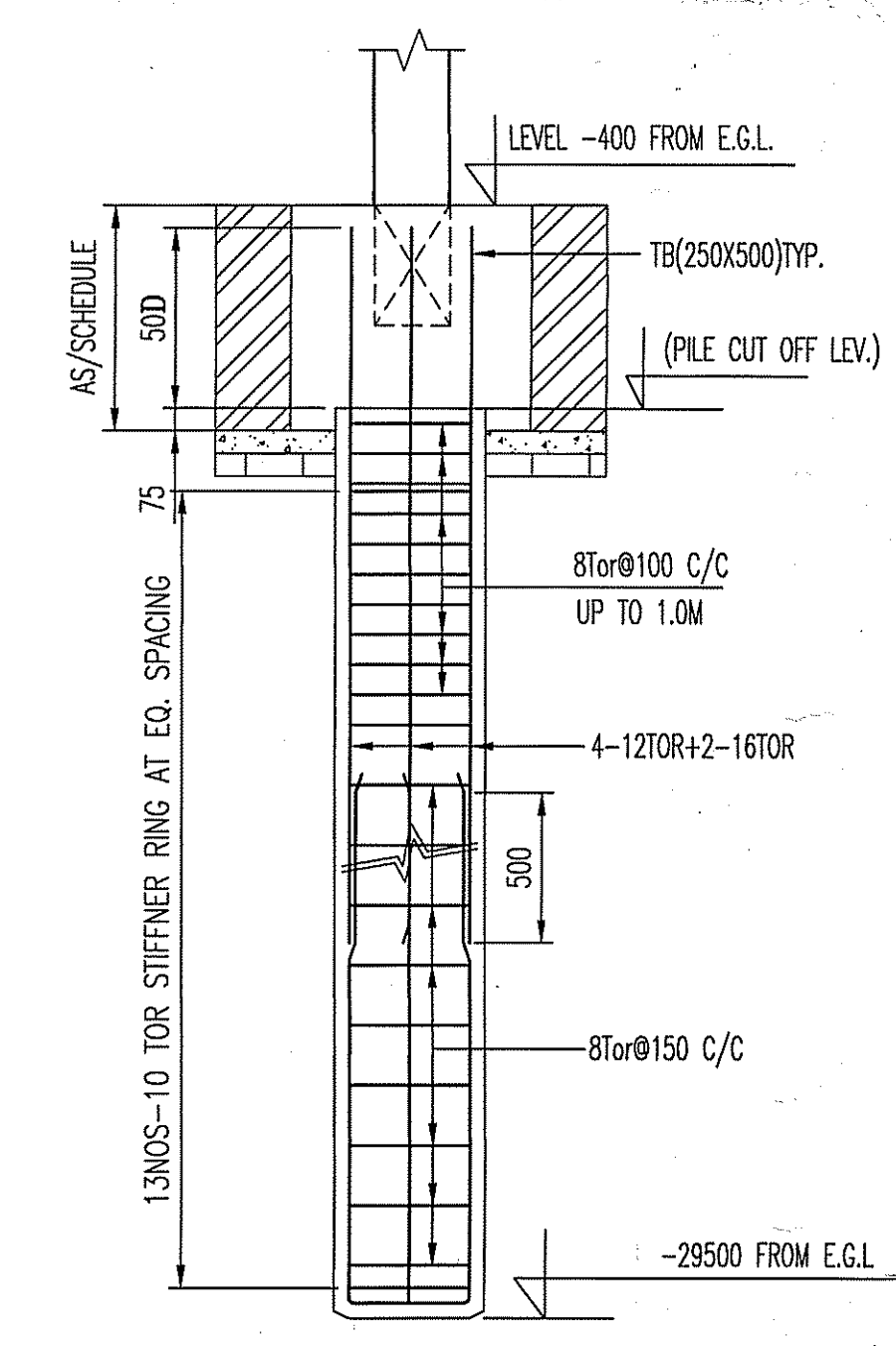
SIGNATURE OF ASST. ENGINEER (SUPERVISOR) SIGNATURE OF CHAIRMAN FOR OFFICE USE ONLY



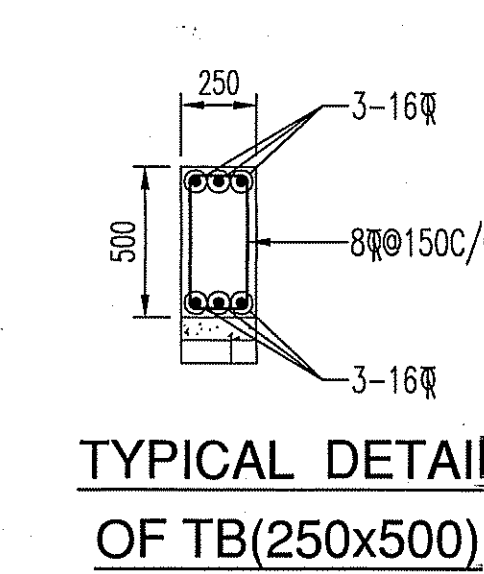
PILE & TIE BEAM LAYOUT BLOCK-1 & 2



PILE & TIE BEAM LAYOUT BLOCK-3



TYPICAL DETAILS OF PILE



TYPICAL DETAILS OF TB(250x500)