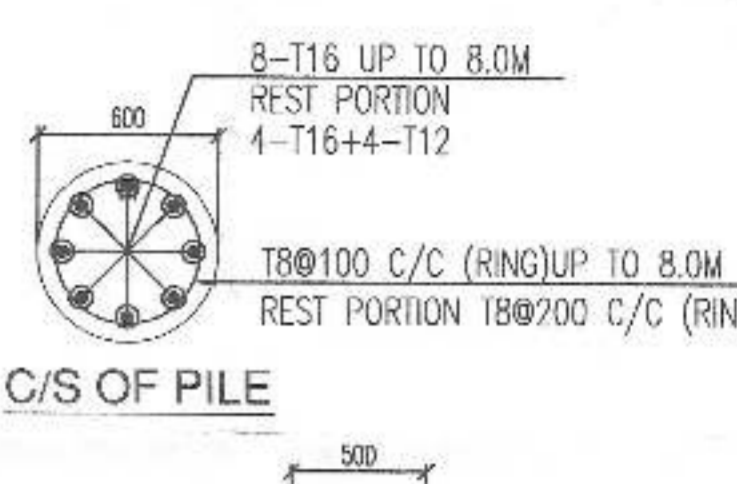


TYPICAL DETAILS OF TB - (350X600)

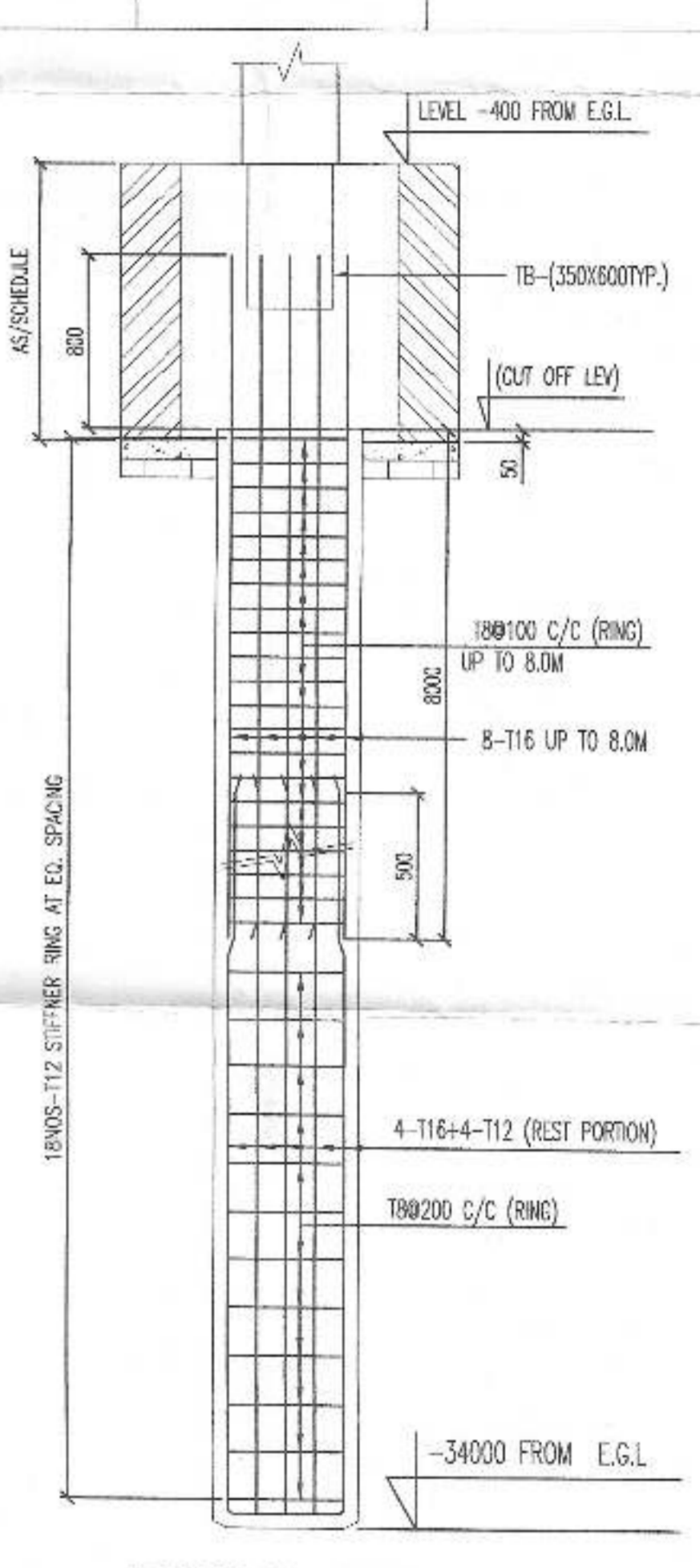
TYPICAL DETAILS OF RAMP

PILE CAP SCHEDULE				
GRADE OF CONCRETE - M30				
TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION	REINFORCEMENT IN LONGER DIRECTION
P1	1000X1000	1000	6-T10 ( T ) 6-T20 ( B )	6-T10 ( T ) 6-T20 ( B )
P2	1000X2800	1000	4L-12@1500/C	7-T10 ( T ) 7-T20 ( B )
P3	AS/DWG	1000	T10@1500/C ( T ) T20@1500/C ( B )	T10@1500/C ( T ) T20@1500/C ( B )
P4	2800X2800	1000	T10@1500/C ( T ) T20@1250/C ( B )	T10@1500/C ( T ) T20@1250/C ( B )
P4A	AS/DWG	1000	T10@1500/C ( T ) T16@1500/C ( B )	T10@1500/C ( T ) T20@1250/C ( B )
P5	3546X3546	1200	T10@1500/C ( T ) T20@1000/C ( B )	T10@1500/C ( T ) T20@1000/C ( B )
P5A	2800X4118	1200	T10@1500/C ( T ) T20@1000/C ( B )	T10@1500/C ( T ) T25@1000/C ( B )
P5B	AS/DWG	1200	T10@1500/C ( T ) T20@1000/C ( B )	T10@1500/C ( T ) T20@1000/C ( B )
P6	2800X4600	1200	T10@1500/C ( T ) T20@1000/C ( B )	T10@1500/C ( T ) T25@1000/C ( B )
P6A	AS/DWG	1200	T10@1500/C ( T ) T20@1000/C ( B )	T10@1500/C ( T ) T25@1000/C ( B )
P7	AS/DWG	1500	T10@1500/C ( T ) T20@1000/C ( B )	T10@1500/C ( T ) T25@1000/C ( B )
P8	4118X4600	1500	T10@1500/C ( T ) T20@1000/C ( B )	T10@1500/C ( T ) T25@1000/C ( B )
P11	AS/DWG	1500	T10@1500/C ( T ) T20@1000/C ( B )	T10@1500/C ( T ) T25@1000/C ( B )
P12	4600X6400	1500	T20@1500/C ( T ) T25@1000/C ( B )	T20@1500/C ( T ) T25@1000/C ( B )
P17	4600X4118	1800	20@1500/C ( T ) T20@1000/C ( B )	T20@1500/C ( T ) T25@1000/C ( B )
P18	10000X4600	1800	T20@1500/C ( T ) T20@1000/C ( B )	T20@1500/C ( T ) T25@1000/C ( B )
L39	AS/DWG	2000	T20@1250/C ( T ) T20@1250/C ( B )	T20@1250/C ( T ) T20@1250/C ( B )
L57	AS/DWG	2250	T20@1250/C ( T ) T20@1250/C ( B )	T20@1250/C ( T ) T20@1250/C ( B )
L45	15400X8200	2250	T20@1250/C ( T ) T20@1250/C ( B )	T20@1250/C ( T ) T20@1250/C ( B )



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
	600	8-T16 UP TO 8.0M REST PORTION 4-T16@4-12	100.0T



TYPICAL DETAIL OF PILE (600 Ø)

MEMBER	TOP	BOTTOM	SIDE
a. COLUMN			40
b. TIE BEAM	30	30	30
c. FLOOR BEAM	25	25	25
d. FLOOR SLAB	20	20	20
e. PILE	50	75	50
f. PILECAP	50	75	50

NOTES:-  
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.  
2. SUPER STRUCTURE - SUPER STRUCTURE SHALL BE OF 1ST CLASS BRICK & 1:3:6 CEMENT MORTAR.  
3. ALL GRADE OF CONCRETE M30  
4. ALL MATERIALS SHALL CONFORM TO RELEVANT IS CODES.  
5. FOR STEEL GRADE F460 AS PER IS 1789-2000.  
6. LAPS SPICES & BOND LENGTH SHOULD BE AS PER IS 456 WHERE OF IS THE SMALLEST BAR DIA.  
7. FOUNDATION & PLAN II - BRICKWORK IN FOUNDATION & PLAN II SHALL BE OF 1ST CLASS BRICK IN 1:3 CEMENT MORTAR.  
8. MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:

UNDERSTAND HAS INSPECTED THE SITE AND CARRIED OUT SOIL INVESTIGATION THEREON IT IS CERTIFIED THAT THE EXISTING SOIL IS OF CLASS 'C' TO 'D' TO CARRY THE LOAD COMING FROM THE PROPOSED CONSTRUCTION AND THE FOUNDATION SYSTEM PROPOSED IS SAFE & STABLE IN ALL RESPECT FROM GEO-TECHNICAL POINT OF VIEW.

**Signature of Geotech Engineer**  
ALOK ROY  
Registered Geotechnical Engineer  
Kolkata Municipal Corporation  
Class - No. 67/11  
6A, Milan Park  
Kolkata-700 034

**Signature of Owner**  
KARAN TODI  
DESIGNATED PARTNER OF AKSHAY VINAY LLP.  
ADDRESS:  
2, QUEENS PARK, BALIYUNGE,  
KOLKATA - 19

**Certificate of Architect**  
THE I.S.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 BUILDING ROAD CORRIDOR WITHIN THE PLAN AND ITS IS A SUITABLE SITE AND NOT A TANK OR A FILLED UP TANK.

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

**Signature of Structural Engineer**  
SANJIV J. PAREKH  
M.E. IN STRUCTURAL ENGINEERING  
B. C. E. (P) (P) (P) (P)  
E. S. T. NO. 104 (1) K. M. C.

**Signature of Structural Reviewer**  
SANJIB GUHA,  
F.S.R. 1/86/16  
ADDRESS:  
34 RAMMOHAN DUTTA ROAD,  
KOLKATA-20.

PROJECT  
PROPOSED G+XVI STORED, 53.375 MT. HEIGHT (PARTIALLY G+XV STORED, 50.3 MT. HEIGHT) RESIDENTIAL BUILDING AT PRE. NO.-12B, BELAGHATA ROAD, KOLKATA-700015, UNDER KOLKATA MUNICIPAL CORPORATION, WARD NO.- 57, BOROUGH-VII.

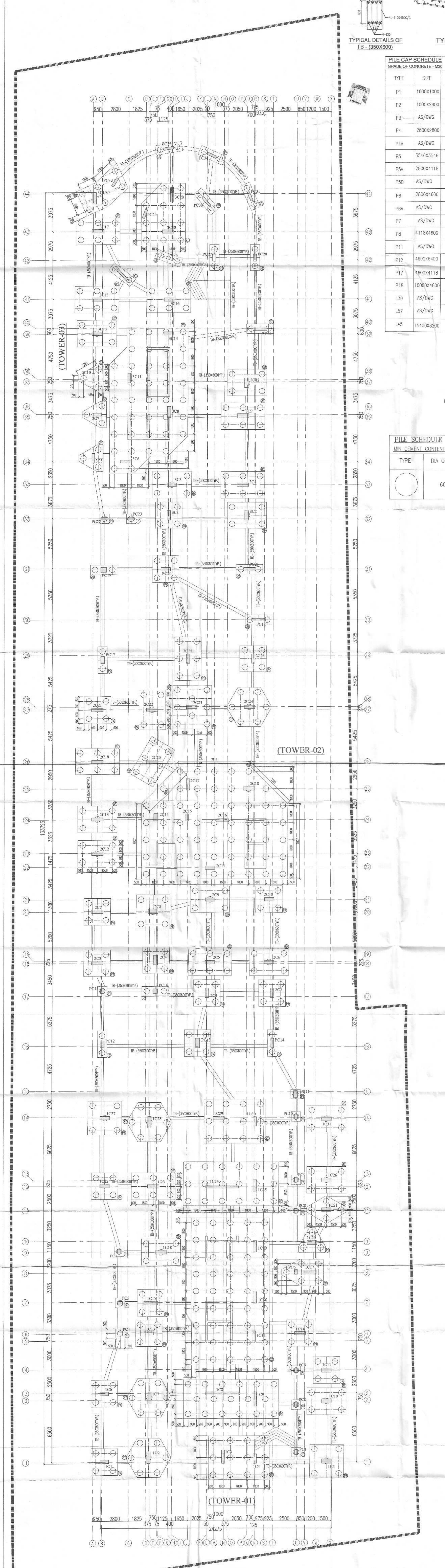
TITLE  
CORPORATION DRAWING  
FOUNDATION & TIE BEAM  
LAYOUT (TOWER-1,2,3 & PODIUM)

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

STRUCTURAL ENGINEERS  
S.P.A. CONSULTANTS  
34, RAM MOHAN DUTTA ROAD  
KOLKATA - 700020  
PH. NO. 2485 5449/2485-7614(Tel.Pad)  
E-mail: spa\_consultants@yahoo.co.in

DATE: 26.12.2018 SCALE: 1:1000 DATE: 26.12.2018 SCALE: 1:1000 DATE: 26.12.2018 SCALE: 1:1000

PILE FOUNDATION LAYOUT (TOWER-1,2,3& PODIUM)



STATE OF MISSISSIPPI  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF HIGHWAYS

STATE OF MISSISSIPPI  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF HIGHWAYS

STATE OF MISSISSIPPI  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF HIGHWAYS  
DATE 02/11/19

STRUCTURAL PLAN AND DESIGN SUBMITTED AS SUBMITTED BY THE  
STRUCTURAL ENGINEER HAVE BEEN REVIEWED AND FOUND TO BE  
IN ACCORDANCE WITH THE REQUIREMENTS OF THE MISSISSIPPI  
REGULATIONS FOR THE DESIGN AND CONSTRUCTION OF BRIDGES.  
THIS REVIEW IS LIMITED TO THE INFORMATION PROVIDED AND DOES NOT  
CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION  
OR THE FITNESS OF THE DESIGN FOR THE PARTICULAR PURPOSES  
INTENDED. THE ENGINEER ASSUMES FULL RESPONSIBILITY FOR THE  
DESIGN AND CONSTRUCTION OF THE BRIDGE.  
EXPIRES 02/11/19  
BUREAU OF HIGHWAYS  
STATE OF MISSISSIPPI

GROUPS No. 100  
CERTIFIED COPY OF A PLAN  
No. 10030241 OF 10/11/19  
REGISTERED PROFESSIONAL ENGINEER  
DATE 02/11/19  
STATE OF MISSISSIPPI

CERTIFIED COPY

5-1