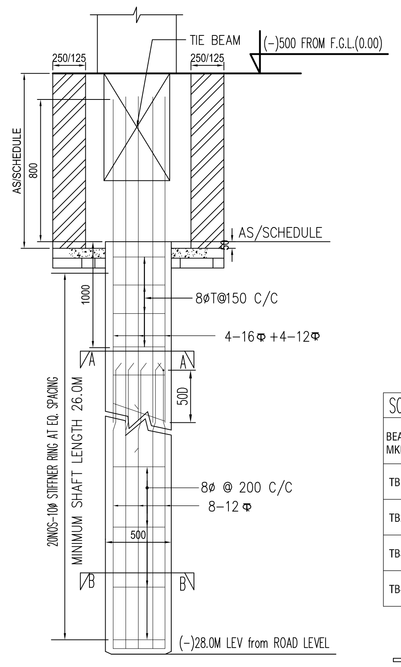
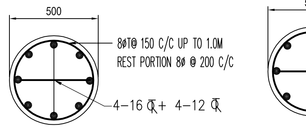
SCHEDULE AT CUT OFF LEVEL OF PILECAP
TOP OF PILE CAP (−)500MM FROM F.G.L.(0.00)

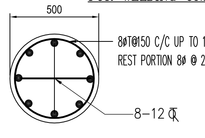
SL. NO.	PILE CAP MKD.	DIA	PILE CAP DEPTH	CUT OFF FROM F.G.L.	TOP REINFORCEMENT	BOTTOM REINFORCEMENT
01.	2P	500ø	1200MM	−1.650M. LVL.	8-12ΦT	8-20ΦT
02.	2PT	500ø	1200MM	−4.250M. LVL.	12ΦT@150C/C	20ΦT@100C/C
03.	3P	500ø	1200MM	−1.650M. LVL.	12ΦT@150C/C	20ΦT@100C/C
04.	3P1	500ø	1200MM	−1.650M. LVL.	12ΦT@150C/C	20ΦT@100C/C
05.	3PT	500ø	1200MM	−4.250M. LVL.	12ΦT@150C/C	20ΦT@100C/C
06.	4P	500ø	1200MM	−1.650M. LVL.	12ΦT@150C/C	20ΦT@100C/C
07.	4PT	500ø	1200MM	−4.250M. LVL.	12ΦT@150C/C	20ΦT@100C/C
08.	5P	500ø	1200MM	−1.650M. LVL.	16ΦT@150C/C	20ΦT@100C/C
09.	6P	500ø	1500MM	−1.950M. LVL.	16ΦT@150C/C	20ΦT@100C/C
10.	6PT	500ø	1500MM	−4.550M. LVL.	16ΦT@150C/C	20ΦT@100C/C
11.	8P	500ø	1800MM	−2.250M. LVL.	16ΦT@150C/C	20ΦT@100C/C
12.	15P	500ø	2000MM	−3.350M. LVL.	16ΦT@150C/C	20ΦT@100C/C



TYPICAL DETAIL OF 500 DIA PILE



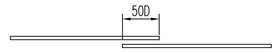
SECTION - A-A
UPTO 8m. FROM CUT OFF



SECTION - B-B
BELOW 8m. FROM CUT OFF

SCHEDULE OF TIE BEAM (M25 AND Fe500)

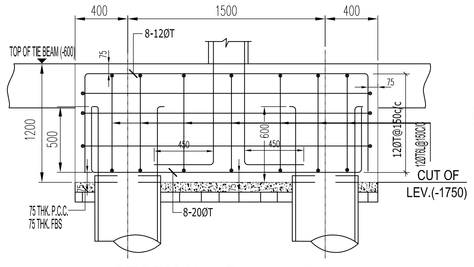
BEAM MKD.	SIZE (MMxMM)	TOP		BOTT.		STIRRUPS (2 LEGGED)	
		ALTH	EXT(AT SUPT.)	ALTH	EXT(MID SPAN)	AT SUPPORT	AT SPAN.
TB1	250x450	2-12 +1-16	–	2-12+1-16	–	2L-8ΦT@125C/C	2L-8ΦT@150C/C
TB2	250x450	3-12	–	3-12	–	2L-8ΦT@125C/C	2L-8ΦT@150C/C
TB3	250x450	3-16	–	3-16	–	2L-8ΦT@125C/C	2L-8ΦT@150C/C
TB4	250x450	4-16	–	4-16	–	2L-8ΦT@125C/C	2L-8ΦT@150C/C



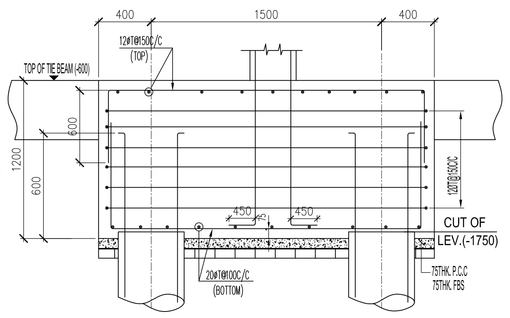
2.5 MM ø ELECTROD SHALL BE USED FOR WELDING ONLY.

Grade of Concrete M25.
= 400Kg /Cum Grade oF Concrete M25

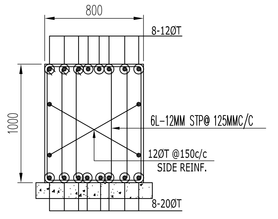
TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
	500ø	UPTO 8.0m. FROM CUT OFF 4−16ΦT + 4−12ΦT BELLOW 8.0m. 8−12ΦT	110 T



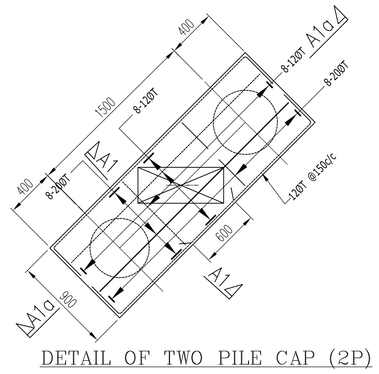
SECTION AT A1a−A1a



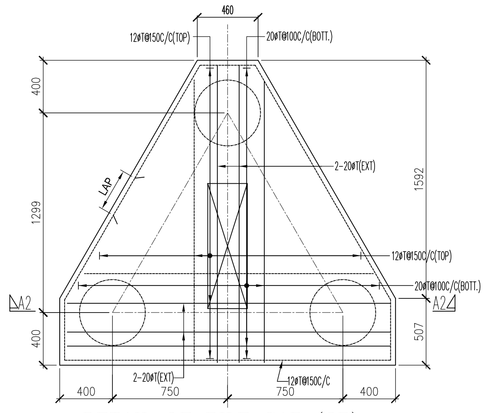
SECTION AT A2−A2



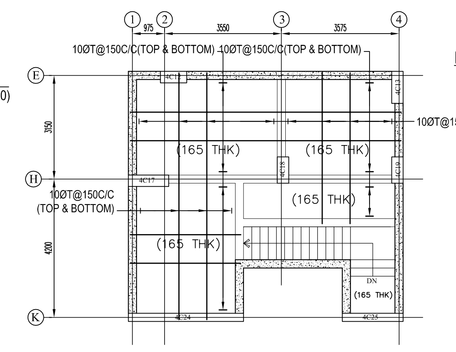
SECTION AT A1−A1



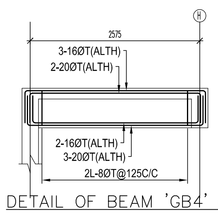
DETAIL OF TWO PILE CAP (2P)
(500 ø)



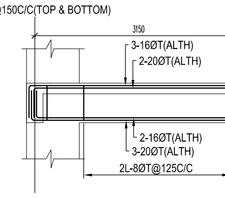
DETAIL OF PILE CAP (3P)
(500ø)



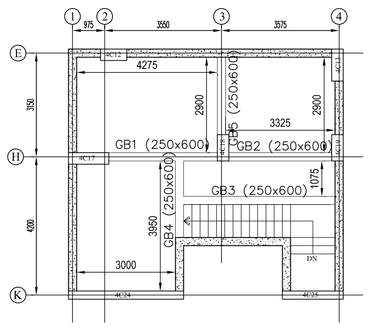
DETAIL OF BASEMENT TOP SLAB



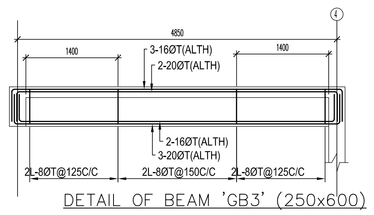
DETAIL OF BEAM 'GB4' (250x600)



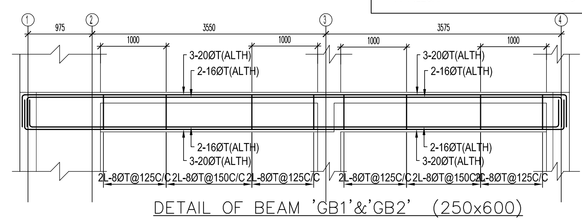
DETAIL OF BEAM 'GB5' (250x600)



LAYOUT OF BASEMENT TOP BEAM



DETAIL OF BEAM 'GB3' (250x600)



DETAIL OF BEAM 'GB1'&'GB2' (250x600)

PILE NOTES

1. CAPACITY OF EACH PILE IS ASSUMED AS/SCHEDULE MT AS PER THE SOIL INVESTIGATION REPORT. THIS IS TO BE CHECKED BY CONDUCTING "ROUTINE LOAD TEST" ON WORKING PILES AS PER IS:2911 (PART−4) 1985. THE RESULTS OF THESE TESTS ARE TO BE PLOTTED AND SUBMITTED TO ARCHITECTS OR CONSULTANTS FOR FURTHER ACTION.
2. AFTER APPROVAL OF BEARING STRATA BY THE ENGINEER−IN−CHARGE SIDES OF BORES SHALL BE STABILIZED WITH BENTONITE CIRCULATION CONFORMING TO SPECIFICATION.
3. CARE SHOULD BE TAKEN WHILE LOWERING REINFORCEMENT CAGE IN TO THE BORE SUCH THAT PROPER ALIGNMENT OF BARS ARE MAIN− TAINED. AVOID LAP IN REINFORCING BARS. IN SPEACIAL CIRCUMSTANCES WITH THE CONSENT OF ENGINEER−IN−CHARGE WELDED LAPPING CAN BE PERMITTED. IN THAT CASE, WELDED LAP LENGTH SHALL NOT BE LESS THAN 50 TIMES OF THE DIA OF BAR AND SPEACIAL APPROVED ELECTRODES SHALL BE USED FOR WELDING OF Fe−500 GRADE BARS.
4. CONCRETING BELLOW WATER TO BE DONE BY USING TREMIE. CEMENT CONTENT FOR AS/SCHEDULE OF CONCRETE SHALL NOT BE LESS THAN 400 KG PER CUBIC METRE. SLUMP OF CONCRETE SHALL BE 150 MM TO 180 MM AND ALSO CONCRETE MAKING SHALL CONFORM TO TENDER SPECIFICATIONS.
5. TOLERANCES PERMISSIBLE SHALL BE AS PER TENDER SPECIFICATIONS/ I.S SPECIFICATION
6. THE CONTRACTOR SHALL MAINTAIN ALL THE PILING DATA ON DAY TO DAY BASIS AS PER THE PROFORMA GIVEN IN IS:2911 (PART 1/SEC−2) AND SUBMIT THESE DATA TO ARCHITECTS AT REGULAR INTERVALS.
7. THE CONTRACTOR SHOULD TAKE ADEQUATE CARE NOT TO DAMAGE ADJACENT STRUCTURES, IF ANY, WHILE PILING.
8. ALL BORES TO BE WASHED PROPERLY BEFORE CONCRETING BY MINIMUM 20 H.P. PUMP.
9. 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. FLOOR SLAB.	20	20	20
E. PILE			50
F. PILECAP	75	75	75

NOTES :

1. ALL DIMENSIONS ARE IN MM
2. CONCRETE GRADE TO BE ADOPTED AS STATED ,OR, OF STEEL Fe 500
3. COVER TO REINFORCEMENT
   COLUMN = 40mm , BEAM = 30mm
   SLAB = 15mm , FOUNDATION = 50mm
4. DEPTH OF EXCAVATION OF UNDER GROUND SUMP SHOULD BE ABOVE THAT OF FOUNDATION.
5. DO NOT SCALE THE DRAWING . FOLLOW WITH DIMENSION.
6. ALL EXTERNAL WALLS ARE 250mm THK. & INTERNAL WALLS ARE 125 mm THK.
7. LEAN CONCRETE (1:3:6) NOMINAL MIX 75 THK. SHALL BE PROVIDED UNDER FOUNDATION.
8. EXTERNAL PLASTER 19mm THK. IN CEMENT MORTER GRADE (1:6)
9. INTERNAL PLASTER 12mm THK. IN CEMENT MORTER GRADE (1:5)
10. ALL CEILING PLASTER 6mm THK. IN CEMENT MORTER GRADE (1:4)
11. 37mm I.P.S. FLOOR FINISH OVER 100mm THK. P.C.C. WORK OVER 75mm THK. BRICK FLAT SOLING.

I.NEPAL TRADECOM PVT. LTD.& OTHERS.
OWNERS NAME

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".

DIPANKAR BHOWMIK
B.E. M.I.E. F.I.V.
ENLISTMENT NO-ESE 91/RJPSON/ESE/2014-15
RAJPUR SONARPUR MUNICIPALITY
NAME OF STRUCTURAL ENGINEER

CERTIFICATE OF ARCHITECT

THE E.B.S. HAS CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISION OF WEST BENGAL MUNICIPAL BUILDING RULES 2007, 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.

NAME OF ARCHITECT
RAJ KUMAR AGARWAL
COUNCIL REGISTRATION NO. CA/94/17940

ADDRESS:
RAJ AGRAWAL & ASSOCIATES
8B, ROYD STREET (2ND FLOOR),
KOLKATA-700016.

ALOK ROY
CONSULTANT GEOTECHNICAL ENGG.
ENLISTMENT NO- 008/RJPSON/G.T./ 2007-2008
NAME OF GEOTECHNICAL ENGINEER

TITLE PLOT - 3 (BLOCK - 4)

SANCTION STRUCTURE

PROJECT

REVISED PLAN OF tower 1, G+12 (39.00 MT. HT.) AND PARTLY COMPLETION ALREADY ACQUIRED FOR tower 2, G+18 (57.00 MT. HT.) RESIDENTIAL BUILDING COMPLEX AT HOLDING NO. 155,SCHOOL RD. R.S. DAG NO 52,54, 55, 56, 58, R.S. KHATIAN NO 14, 60/2, 2509,2510,; MOUZA - RAJPUR, J.L. NO. 55, WARD NO. 26; P.S. SONARPUR, DIST - 24PGS(S), UNDER RAJPUR SONARPUR MUNICIPALITY.
VIDE COMPLETION PLAN NO. 228/COMP../CB/26/26; DT=11/04/2022

DATE	JOB. NO.	DEALT	CHECKED	DWG.NO.
13.02.15	STR./2015/521			STR./155/01/03

SHEET NO -1

SCALE 1:100

ARCHITECT

RAJ AGRAWAL & ASSOCIATES
8B, ROYD STREET, KOLKATA - 16

SCALE 1:100

Sanyalson Associates Consultant Pvt. Ltd.
CONSULTANT PLANNER & STRUCTURAL ENGINEERS
P-157 KANUNGO PARK KOLKATA-84

FOR OFFICE USE ONLY

PILE LAYOUT PLAN
SCALE−1:100

COLUMN LAYOUT PLAN
SCALE−1:100

TOP OF TIE BEAM LEVEL (−600)
TOP OF BASEMENT LEVEL (+150)

TIE−BEAM LAYOUT PLAN
SCALE−1:100