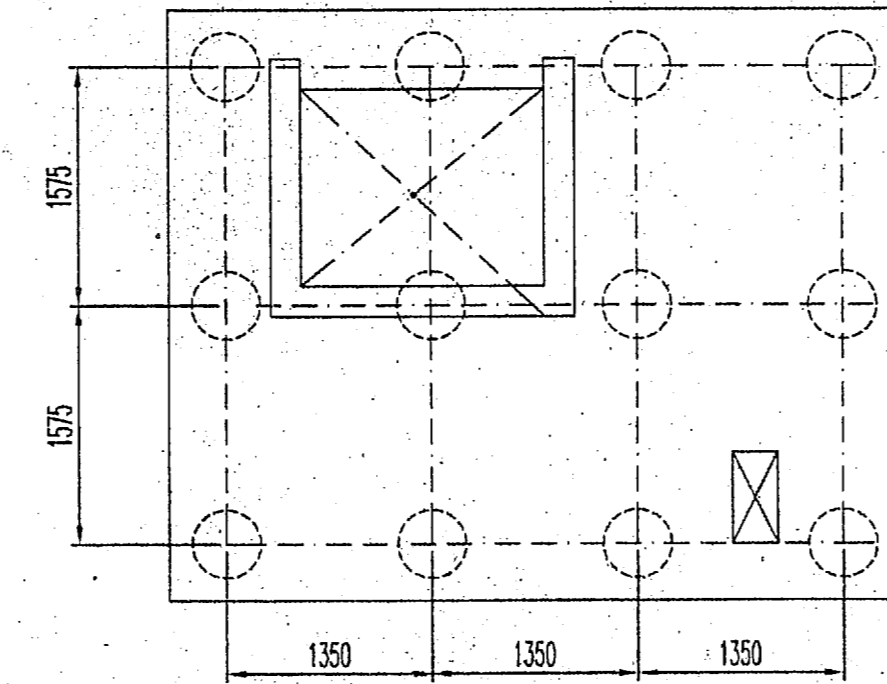
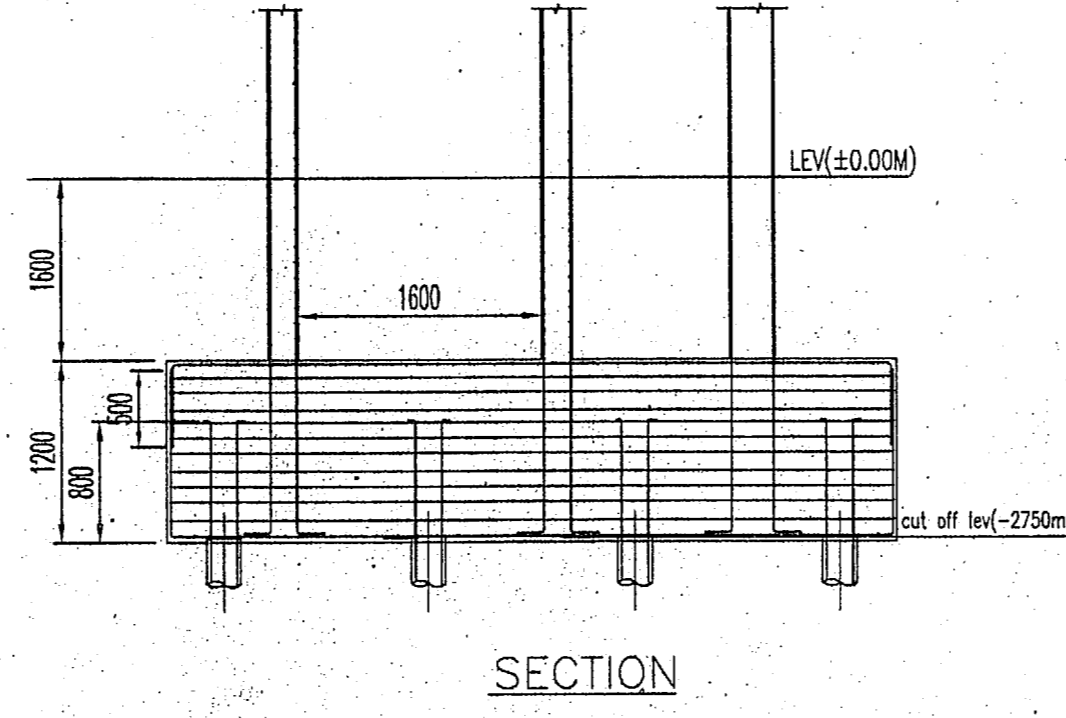
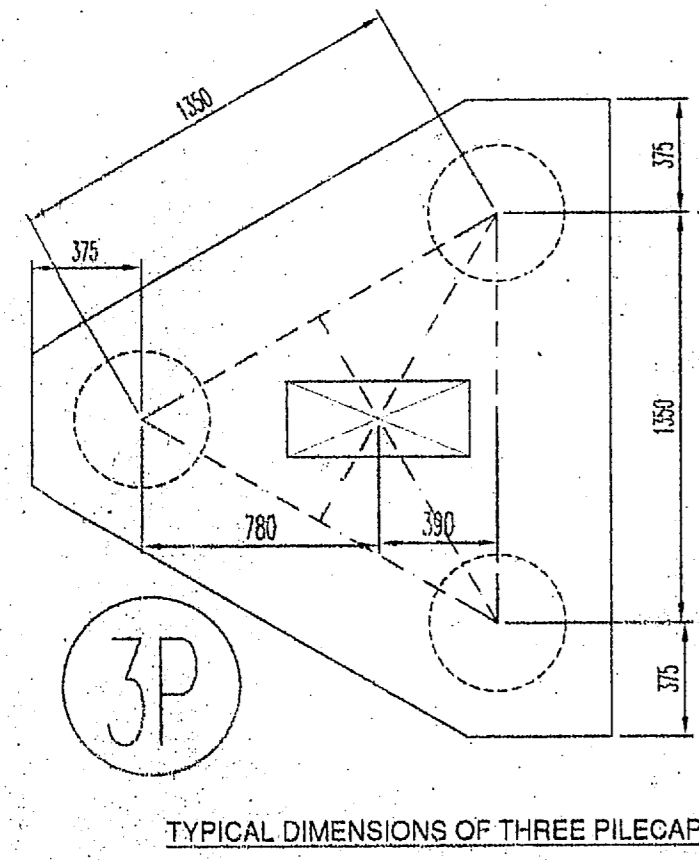
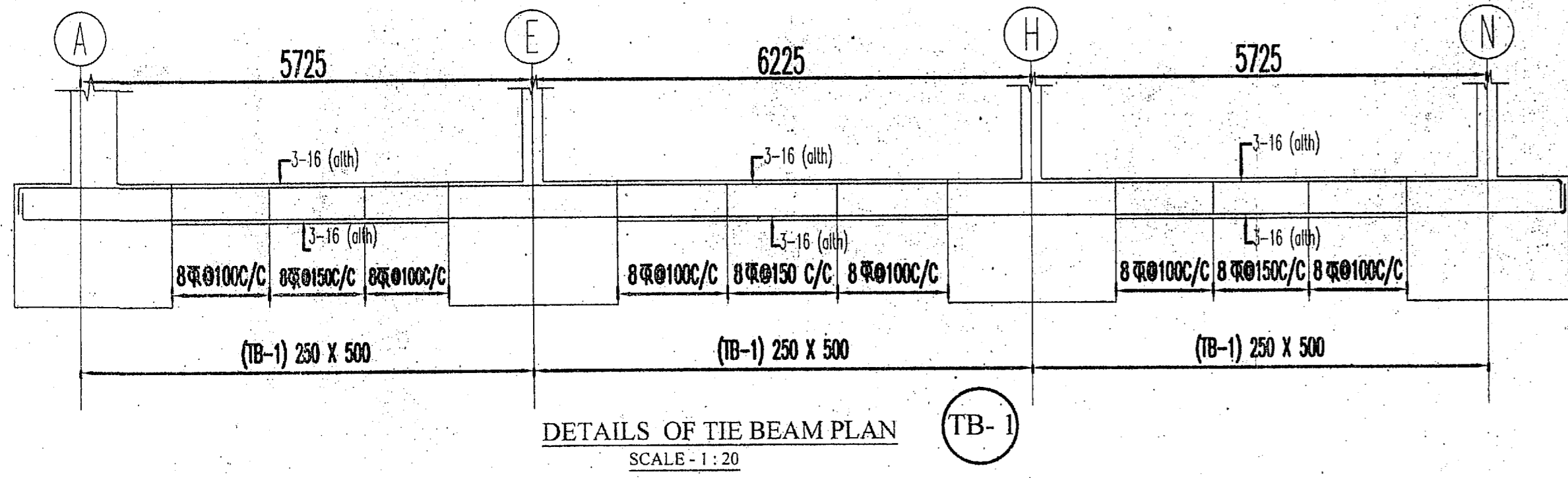
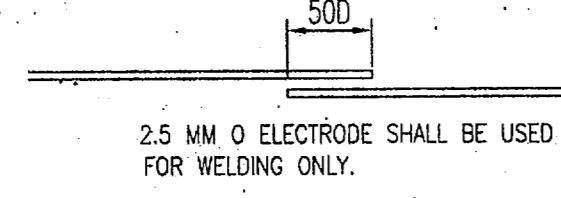


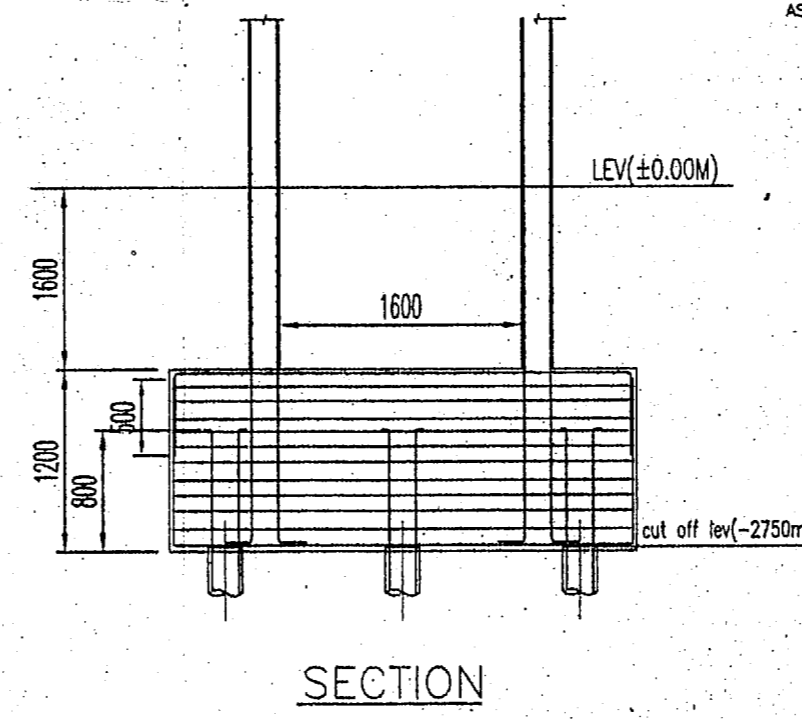
Grade of Concrete .M25.

MIN CEMENT CONTENT IN CONCRETE SHALL BE = 400Kg /m³ Grade of conc.M25

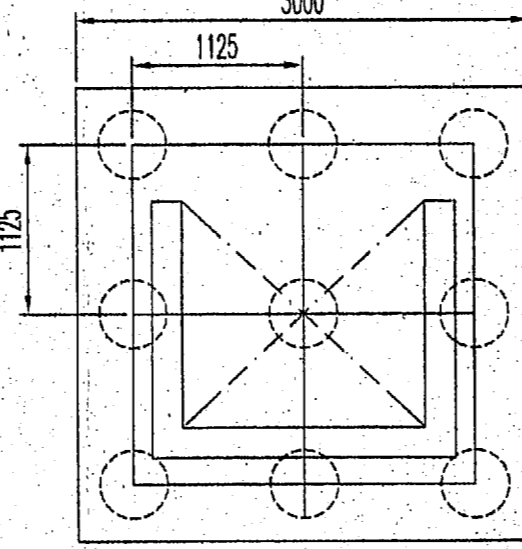
TYPE	DIA OF PILE	REINFORCEMENT	CAPACITY
○	450Ø	4-12 TOR. +2-16 TOR FROM 0.00M TO (-8.0M) 6-12 TOR. FROM (-8.0M TO -24.0M)	52 T



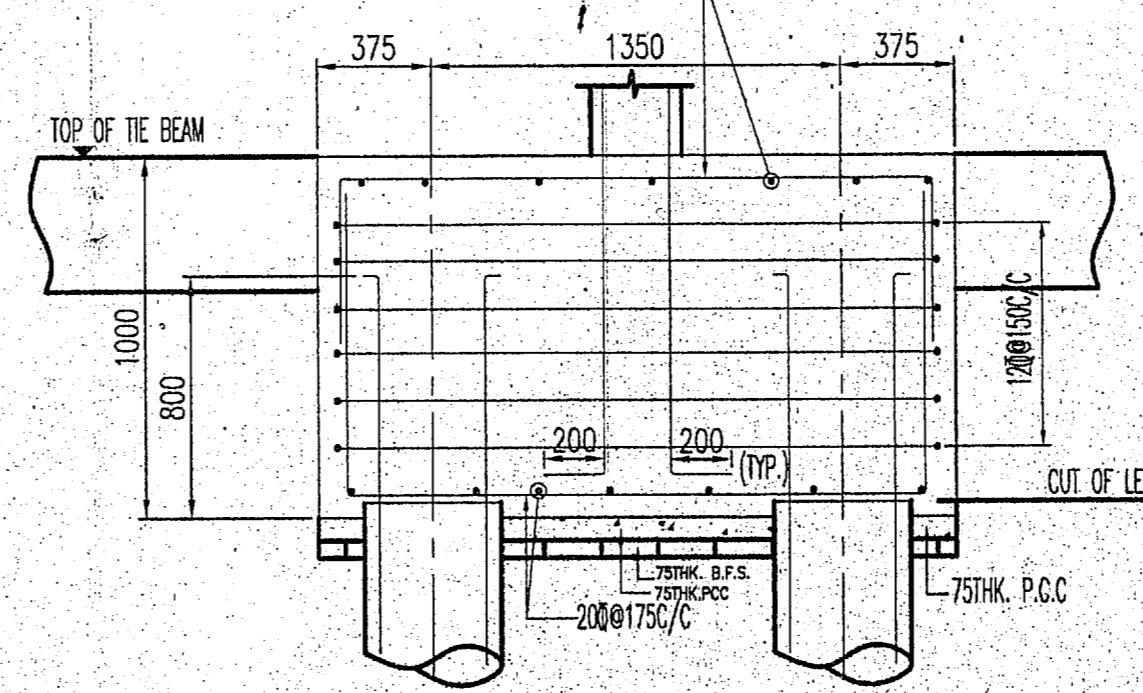
PLAN 12 PILE



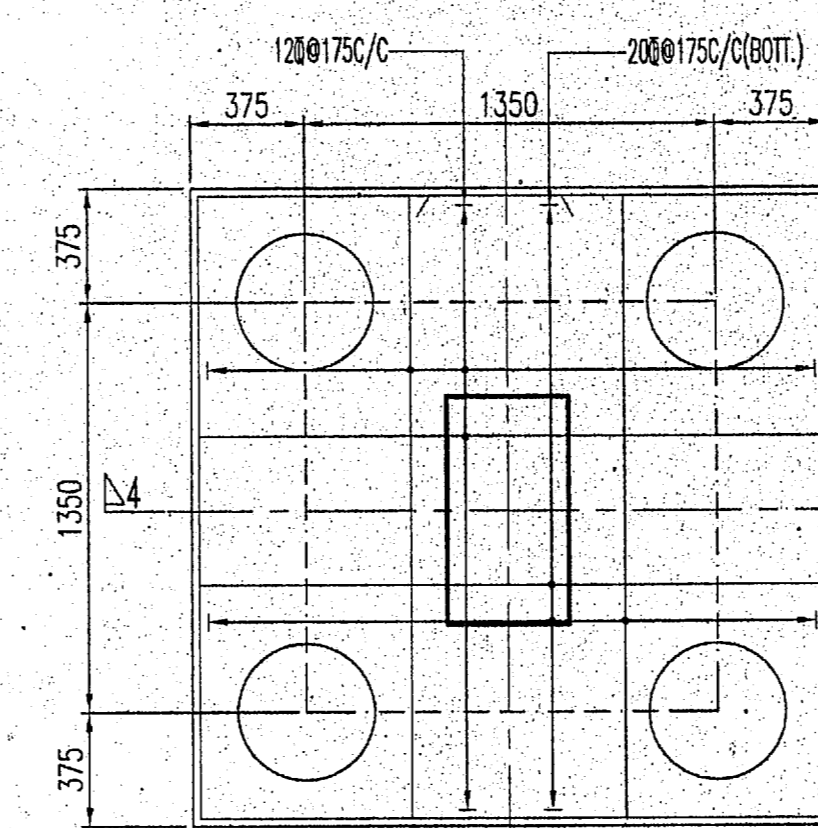
SECTION



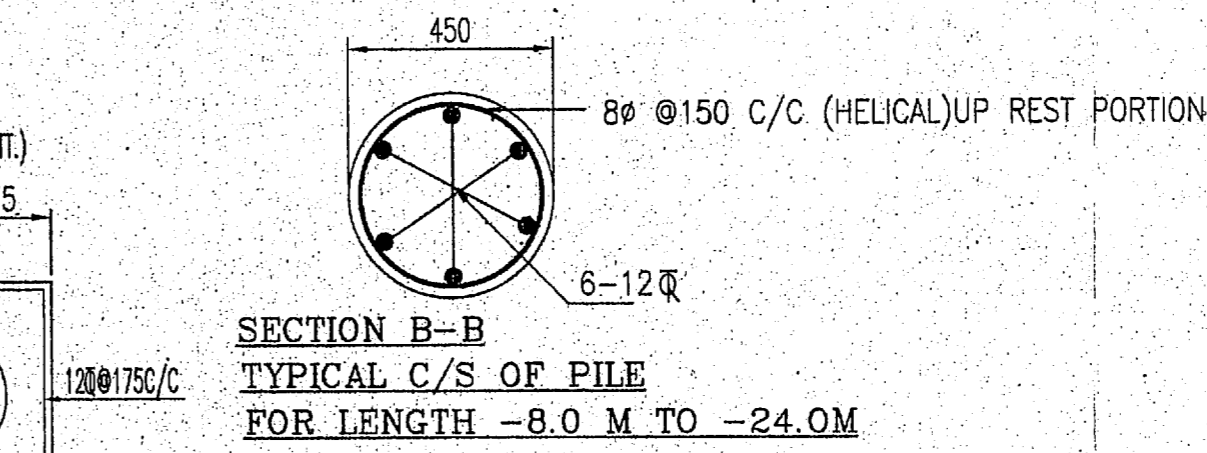
PLAN 9 PILE



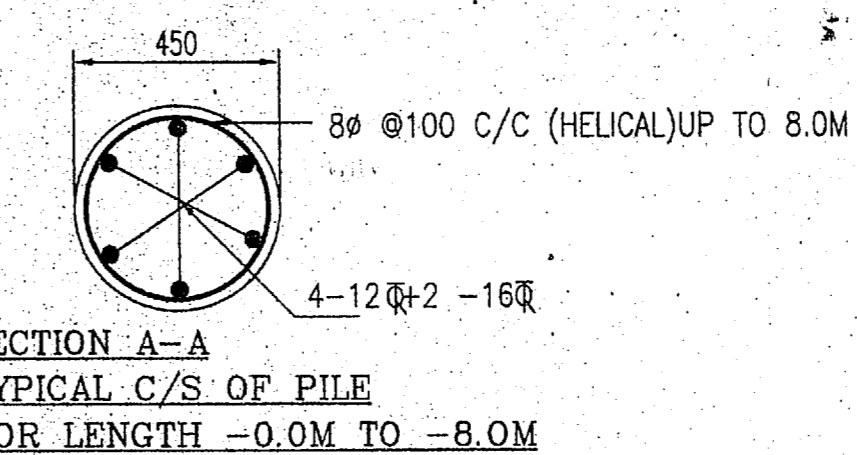
SECTION 4-4



DETAIL OF FOUR PILE CAP (450 Ø)



SECTION B-B TYPICAL C/S OF PILE FOR LENGTH - 6.0 M TO -24.0M

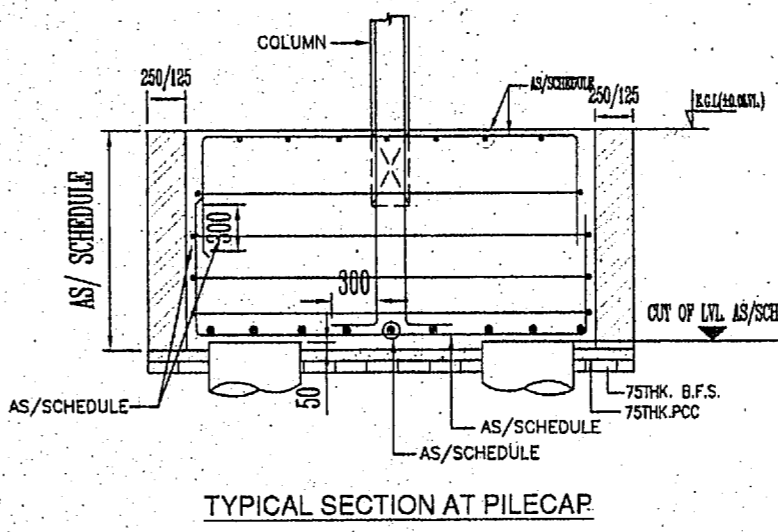


SECTION A-A TYPICAL C/S OF PILE FOR LENGTH - 0.0M TO -8.0M

TYPE	SIZE	DEPTH	REINFORCEMENT IN SHORTER DIRECTION		REINFORCEMENT IN LONGER DIRECTION		REMARKS	SKIN REINF.
			TOP REINF.	BOTT. REINF.	TOP REINF.	BOTT. REINF.		
1P	750X750	750			7-12 TOR.	7-16 TOR.	4L-12M STPØ 200MM/C	
2P	750X2100	900			7-12 TOR.	7-20 TOR.	4L-12M STPØ 200MM/C	
3P	AS SHOWN	900	12 TOR @150 C/C	20 TOR @100 C/C	12 TOR @150 C/C	20 TOR @100 C/C		12 @200C
4P	2100X2100	1000	12 TOR @175 C/C	20 TOR @175 C/C	12 TOR @175 C/C	20 TOR @175C/C		
5P	2660X2660	1200	12 TOR @150 C/C	20 TOR @150 C/C	12 TOR @150 C/C	20 TOR @150C/C		
9P	3000X3000	1500	16 TOR @150 C/C	20 TOR @150 C/C	16 TOR @150 C/C	20 TOR @150 C/C		
12P	3900X4800	1500	16 TOR @150 C/C	20 TOR @150 C/C	16 TOR @150 C/C	20 TOR @150 C/C		

SCHEDULE AT CUT OFF LEVEL OF PILECAP TOP OF PILE CAP (EGL. 0.00)

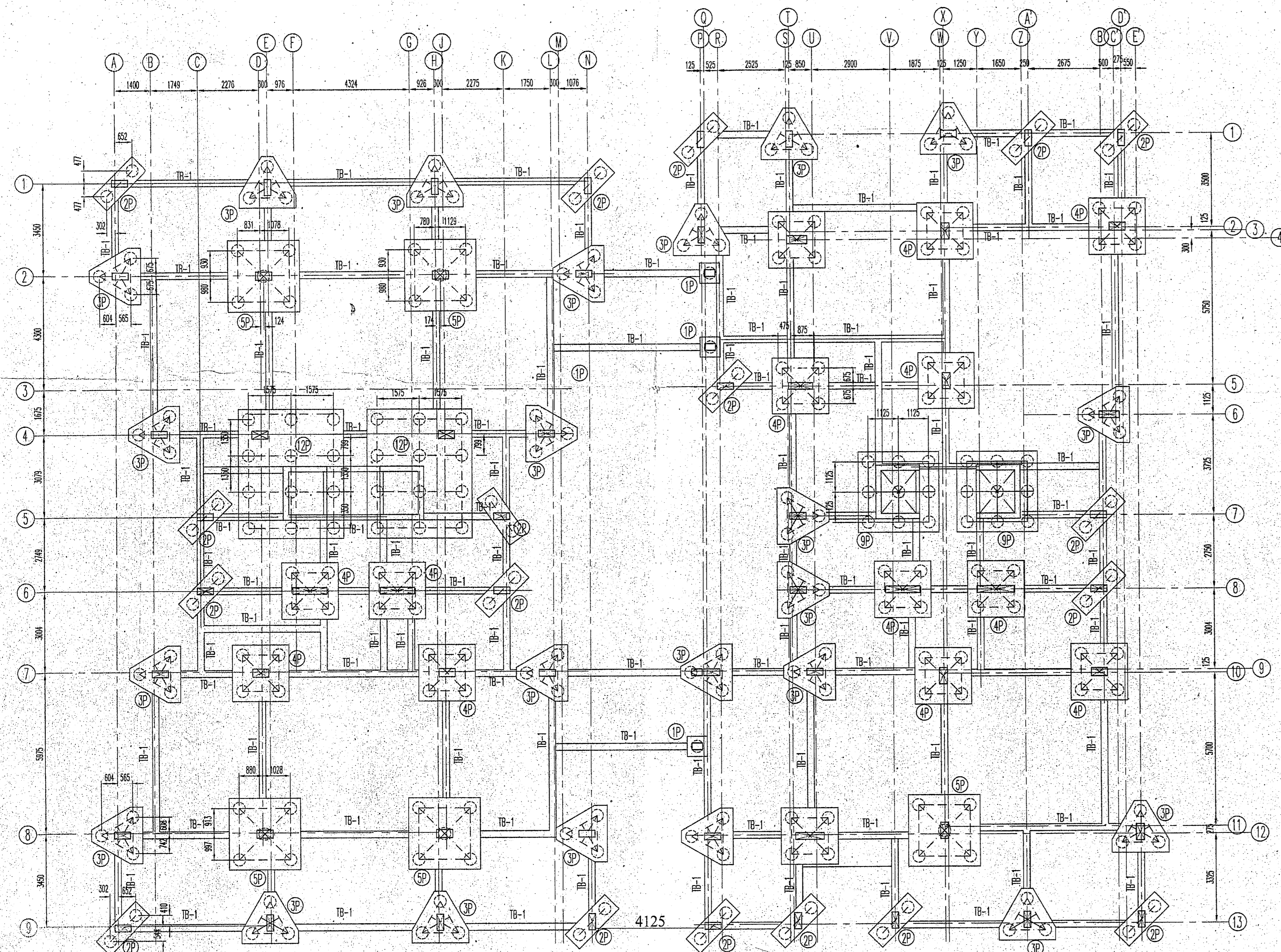
SL. NO.	PILE CAP MKD.	PILECAP DEPTH	CUT OFF LVL.
01.	1P	750	-700LVL.
02.	2P	900	-880LVL.
03.	3P	900	-850LVL.
04.	4P	1000	-950LVL.
05.	5P	1200	-1150LVL.
06.	9P	1500	-3050LVL.
07.	12P	1500	-3050LVL.



TYPICAL SECTION AT PILECAP

MKD.	SIZE (MMxMM)	TOP		BOTT.		STIRRUPS (2 LEGGED)	
		ALTH	EXT(AT SUPT.)	ALTH	EXT(MID SPAN)	AT SUPPORT	AT SPAN.
TB1	250x500	3-16		3-16		10 @100mm C/C	10 @150mm C/C

SCHEDULE OF FLOOR BEAM (M25 AND F11.500)



ALL TIE BEAMS TB-1(250X500)

PILE LAYOUT PLAN(2 & 3)

SCALE 1:100

PILE NOTES

- 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.
- AFTER APPROVAL OF BEARING STRATA BY THE ENGINEER-IN-CHARGE SIDES OF BORES SHALL BE STABILIZED WITH BENTONITE CIRCULATION CONFORMING TO SPECIFICATION.
- CARE SHOULD BE TAKEN WHILE LOWERING REINFORCEMENT CAGE IN TO THE BORE SUCH THAT PROPER ALIGNMENT OF BARS ARE MAINTAINED. AVOID LAP IN REINFORCING BARS. IN SPECIAL 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 SPECIAL APPROVED ELECTRODES SHALL BE USED FOR WELDING OF Fe-415 GRADE BARS.
- CONCRETING BELLOW WATER TO BE DONE BY USING TREME. 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.
- TOLERANCES PERMISSIBLE SHALL BE AS PER TENDER SPECIFICATIONS/ I.S SPECIFICATION
- THE CONTRACTOR SHALL MAINTAIN ALL THE FILLING 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.
- THE CONTRACTOR SHOULD TAKE ADEQUATE CARE NOT TO DAMAGE ADJACENT STRUCTURES, IF ANY, WHILE PILING.
- ALL BORES TO BE WASHED PROPERLY BEFORE CONCRETING BY MINIMUM 20 M.P. PUMP.
- MINIMUM CLEAR COVER TO MAIN REINFORCEMENT IS AS FOLLOWS:
MEMBER TOP BOTTOM SIDE
A. FOUNDATION BEAM & SLAB 50 50 50
B. COLUMN 50 50 50
C. FLOOR BEAM. 30 30 30
D. FLOOR SLAB. 20 20 20
E. PILE 50
F. PILECAP 75 75 75

STRUCTURAL CERTIFICATE

THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME PER NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT.

SUBIR C. SANYAL
E.S.E. NO. 07
E.S.A. NO. 056
UNDER RAJAPUR - SONARPUR MUNICIPALITY

SIGNATURE OF STRUCTURAL ENGINEER (E.S. NO. 007)

DECLARATION OF E.B.A.

I HAVE CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT BUILDING RULES 1990 AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITIONS INCLUDING THE ADJUTING ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP LAND.

SUBIR C. SANYAL
E.S.E. NO. 007
E.S.A. NO. 056
UNDER RAJAPUR - SONARPUR MUNICIPALITY
SIGNATURE OF E.B.A.

NAME OF OWNERS :- GODAWARI LAND & REAL ESTATE PVT. LTD.

RAJWADA GROUP Partner
RAJWADA GROUP Partner
RAJWADA GROUP Partner
RAJWADA GROUP Partner
As Law fully Constituted
GODAWARI LAND & REAL ESTATE PVT. LTD.
SIGNATURE OF OWNER

SHEET CONTAINS :- DETAILS OF PILES

PROJECT
STRUCTURAL DRAWING FOR A REVISED PLAN OF G-IV & G-VII STORIED BUILDING AT HOLDING NO.-1159, KUMRAKHALI, WARD NO.- 27, DAG. NO. 1487, 1489, 1486, 1488, L.R.-1565, 1566, 1567, 1568, KHATIAN NO. 260, 264, 213, 206, L.R.- 2254, J.L. NO. 48, MOUZA - KUMROKHALI, P.S - SONARPUR DIST. - 24 PSG(S), UNDER RAJAPUR - SONARPUR MUNICIPALITY.

DRAWN - SWATI	SCALE 1:100
DESIGNED - DATE: 25.07.2013	
CHECKED - JOB NO -	
APPROVED -	

Sanyalson Associates
Consultant Planner & Structural Engineers
P-157, KANUNGO PARK, KOLKATA-84

DWG NO.- 01/04

OFFICE USE

APPROVED

Plan No. 353/201/Rev.127 dated 16/08/2012

Ind Up to: 16/08/2012

Partha Gupta
Chartered Engineer
INDU BHUSHAN BHATTACHARYA
Chartered Engineer
RAJAPUR - SONARPUR MUNICIPALITY