



PILE	NO. OF PILE CAP	DEPTH OF PILE CAP (mm)	ALONG X-DIRECTION		ALONG Y-DIRECTION		SIDE FACE REINFORCEMENT	'L' LINKS (BOTHWAYS)
			BOTTOM	TOP	BOTTOM	TOP		
207P	01	1200	25 # 100 C/C	25 # 100 C/C	25 # 100 C/C	25 # 100 C/C	12 # 150 C/C	8 # 200 C/C

LEGEND	DIA. OF PILE (mm)	CUT-OFF LEVEL BELOW G.L. (m)	PILE SHAFT LENGTH (L) (m)	PILE CAPACITY SAFE WORKING LOAD IN TONS		
				COMPRESSION	TENSION	LATERAL
○	600 #	(-) 4.4 [FOR ALL PILE CAPS]	20.0	90	-	7.07

1. THIS STRUCTURAL DRAWING IS VALID BY THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
 2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

- NOTES:-
- ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE STATED.
 - ±0.00 LVL. REFERS TO G.L.
 - CLEAR COVER SHALL BE AS FOLLOWS:-

	TOP	BOTTOM	SIDE
a) PILE-	-	-	50 mm
b) PILE CAP-	60 mm	60 mm	60 mm
c) LIFT WALL-	-	-	20 mm
 - GRADE OF CONCRETE FOR PILE CAP SHALL BE M25 AS PER IS-456:2000.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE $F_y=500/500$ CONFORMING TO IS-1786-2008.
 - CONCRETE GRADE OF PILE SHALL BE M25 WITH MINIMUM CEMENT CONTENT OF 400kg/CUM OF CONCRETE & SLUMP BETWEEN 150mm TO 180mm.
 - CONCRETING SHALL BE DONE BY SUITABLE TREMIE ONLY & IT SHOULD BE REACHED WITHIN 500 TO 750mm FROM BOTTOM LEVEL OF BORE HOLE.
 - CONCRETING SHALL BE DONE AS SOON AS POSSIBLE AFTER COMPLETING THE PILE BORE. THE BORE HOLE FULL OF DRILLING MUD SHOULD NOT BE LEFT UNCONCRETED FOR MORE THAN 12 TO 24 HOURS DEPENDING UPON THE STABILITY OF BORE HOLES.
 - FOR PLACING CONCRETE IN PILE BORE A FUNNEL SHOULD BE USED & METHOD OF CONCRETING SHOULD BE SUCH THAT THE ENTIRE VOLUME OF THE PILE BORE IS FILLED UP WITHOUT THE FORMATION OF VOIDS.
 - THE PILE HEADS SHALL PROJECT IN TO THE PILE CAP 75mm. THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA.
 - ALL LAP JOINTS AND DEVELOPMENT LENGTHS SHALL BE 50x ϕ & TACK WELDED.
 - INITIAL PILE LOAD TEST AND ONE NUMBER ROUTINE LOAD TEST SHALL BE PERFORMED AS PER IS CODE FOR EVERY 100 PILES.
 - SPACER BAR OF DIA 16 ARE TO BE PROVIDED AT AN INTERVAL OF 1500 mm C/C.
 - BENTONITE TO BE USED AS PER IS CODE.
 - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 - THIS DRAWING SHOULD BE READ ALONG WITH THE CORRESPONDING ARCHITECTURAL DRAWING.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT SURVEY DRAWING.
 - PILE CAPACITY OF SOIL & OTHER NECESSARY INFORMATION HAS BEEN CONSIDERED AS PER SOIL REPORT PREPARED BY MR. ASIM SARKAR THESE RECOMMENDATIONS MUST BE ENSURED AT SITE BY IN-SITU PILE LOAD TEST.

TITLE
 STRUCTURAL DRAWING OF PROPOSED B+G+13 STORIED RESIDENTIAL APARTMENT BUILDING OF SRI ANATH BANDHU MAJI, SRI SUMAN RABABI, SMT SABITA RABABI, SRI GOUTAM KUMAR MUKHERJEE, SRI SAMIR CHATTERJEE, DEVELOPED BY - "BIJOY DEVELOPER" PROPRIETOR - GOUR SUNDAR PAUL, L.R. PLOT NO. - 379,388. KHATIAN NO.- 1205, 2871, 2870, 803, 1031. MOUZA - SANKARPUR, J.L. NO- 109, P.S. - NEW TOWNSHIP, DIST- PASCHIM BARDHAMAN.

SIGNATURE OF OWNER
 Anath Bandhu Maji
 Suman Rababi
 Sabita Rababi

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT
 Ar. VIJAYA SINGH BANERJEE
 14/1/23
 COA Registration No: 2021/134276
 9993001057/9475428100

SIGNATURE OF GEO-TECHNICAL ENGINEER
 ASIM SARKAR
 B.E. IN SOIL & TECH STRUCTURE, IIT KGP
 REGISTERED GEOTECHNICAL ENGINEER
 K.M.C. No.: CLASS-12

SIGNATURE OF PANCHAYET PRADHAN
 Approved Plan No. 21 on Meeting
 No. 4/2022-23. Date: 04/01/2022
 Valid upto: 16/04/2023
 Susmita Choudhury
 Pradhan, Wapda
 Jemur Ghat, Bardhaman

SIGNATURE OF STRUCTURAL ENGINEER
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SIGNATURE OF VETTING AUTHORITY
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Structcon DRAWING TITLE
 PILE AND PILE CAP LAYOUT PLAN WITH REINF. DETAILS.
 SCALE:-1:100 OR AS SHOWN
 DATE:-06.04.2023
 SHEET NO. -1 OF 4 SHEET SIZE. - A0