

Figure 1 is a schematic diagram of the test specimen, showing a vertical cross-section of a pile foundation. The pile is a square pile with a side length of 250 mm. The pile is reinforced with 4-16 dia bars. The pile is embedded in a soil profile consisting of 38.1mm TH. P. S., 75 mm TH. P.C.C., 75 mm TH. B.F.S., and 75 mm TH. SAND. The pile is connected to a 12 tor @ 150 mm c/c reinforcement (both ways) at the base. The total height of the pile is 600 mm, and the total width of the base is 1200 mm. The pile is shown with a 250 mm diameter at the base.

SCHEDULE OF R.C.C. COLUMN AND FOUNDATION (M-20)									
FND. MKD.	FND. SIZE	COL.MKD.	D	d	REBAR DETAILING	REINFORCEMENT DETAILS			
						G.F. TO 1.F.	1.F. TO 2.F.	2.F. TO 3.F.	3.F. TO 4.F.
F1	2400X2400	C1,C2, C3,C4, C15,C16, C17,C18	400	200	12 DIA@ 150 C/C(L) 12 DIA@ 175 C/C(S)				
						250X500 4-12 TOR 6-16 TOR	250X500 10-12 TOR	250X500 10-12 TOR	250X375 8-12 TOR
F2	2100X2100	C6,C7, C5,C8, C9,C12,	400	200	12 DIA@ 150 C/C(L) 12 DIA@ 175 C/C(S)				
						250X500 4-12 TOR 6-16 TOR	250X500 10-12 TOR	250X500 10-12 TOR	250X375 8-12 TOR
F3	2550X2550	C11,C10 C13,C14	400	200	12 DIA@ 150 C/C(L) 12 DIA@ 175 C/C(S)				
						250X500 4-12 TOR 6-16 TOR	250X500 10-12 TOR	250X500 10-12 TOR	250X375 8-12 TOR
F4	2250X2250	C9,C12 C19,C20, C21,	400	200	12 DIA@ 150 C/C(L) 12 DIA@ 175 C/C(S)				
						250X500 4-12 TOR 6-16 TOR	250X500 10-12 TOR	250X500 10-12 TOR	250X375 8-12 TOR

SCHEDULE OF R.C.C. RESIDENTIAL FLOOR-BEAM (M-20)					
BEAM MARKED	BEAM SIZE	REINFORCEMENT DETAILS			STIRRUP
		TOP	BOTTOM	EXTRA TOP	
B1,B2,B3	250X400	2-16 DIA	4-16 DIA	2-16 DIA	8 DIA @ 125 C/C
B4,B5,B6	250X400	2-16 DIA	4-16 DIA	2-16 DIA	8 DIA @ 125 C/C
B7,B8,B9	250X400	2-16 DIA	4-16 DIA	2-16 DIA	8 DIA @ 125 C/C
B10,B11,B12	250X400	2-16 DIA	4-16 DIA	2-16 DIA	8 DIA @ 125 C/C
B12,B13,B14	250X400	2-16 DIA	4-16 DIA	2-16 DIA	8 DIA @ 125 C/C
B15,B16,B17	250X400	2-16 DIA	4-16 DIA	2-16 DIA	8 DIA @ 125 C/C
B18,B19	250X400	2-16 DIA	4-16 DIA	2-16 DIA	8 DIA @ 125 C/C

[illegible]

OFFICE USE

THE STRUCTURAL PLAN SHOWING THE
PROPOSED GROUND + FOUR STORIED
APARTMENT TYPE RESIDENTIAL BUILDING
OF "ROY CONSTRUCTION " A
PROPRIETORSHIP FIRM , REPRESENTED BY
SRI NANDA DULAL ROY, SON OF LT.
NARAYAN CHANDRA ROY AT
-KARUNAMOYEE CO-OPRATIVE HOUSING
SOCIETY LTD.,
KALYANPUR HOUSING ESTATE ,PLOT NO.-B-1
,ASANSOL ,PLOT NO.-B-1, MOUZA-
KUMARPUR (KLHE , BLOCK -1) ,J.L. NO - 19 ,
WARD NO - 22 , P.S. - ASANSOL(N) , DIST.-
PASCHIM BARDHAMAN , UNDER ASANSOL
MUNICIPAL CORPORATION.

OWNER'S SIGNATURE

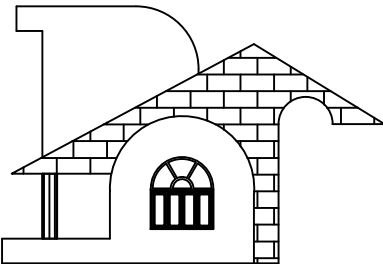
This plot is free from any dispute & court cases.

Nanda dulal Roy


SURANJANA DHAR
B.E. (CIVIL), M.I.E
CHARTERED ENGINEER (I)
L.B.S. NO. 22/AME/24-25

SURANJAN DHAR
B.E. [CIVIL], M.I.E
CHARTERED ENGINEER

DHAR ASSOCIATES



- ☐ PLANNING
- ☐ ESTIMATION
- ☐ STRUCTURAL DESIGNING

SHRABANI , MOHISHILA COLONY NO.1
[Near Baby Clinic], ASANSOL-3
Ph. NO. 09434167504 (O), 08170066783 (M)