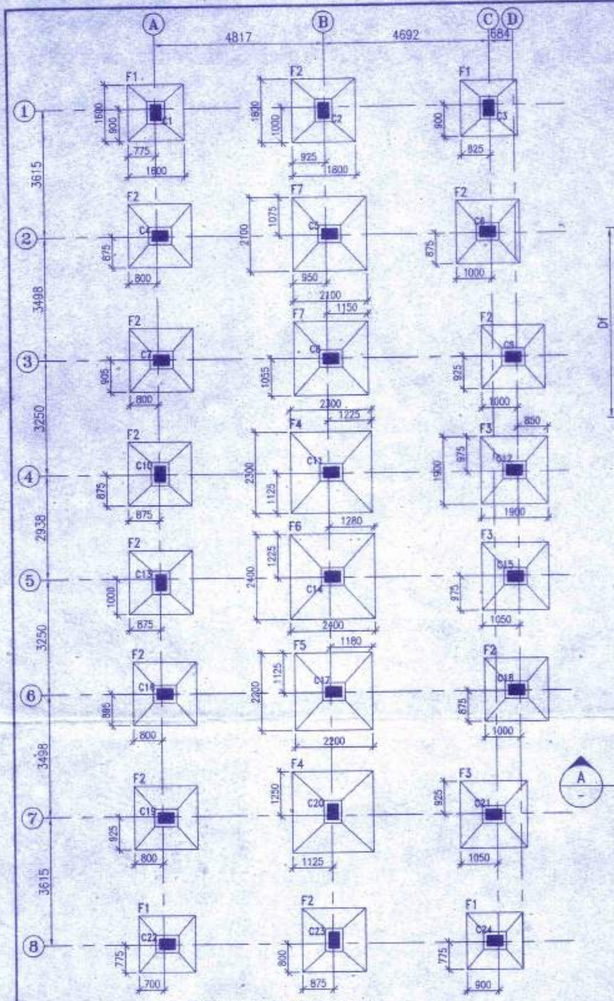
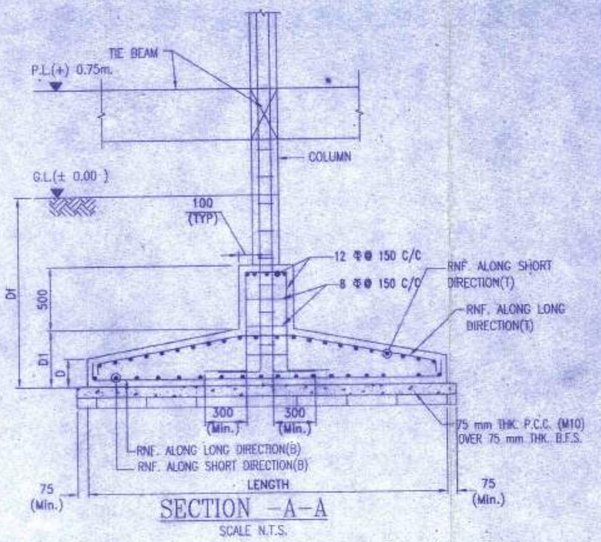


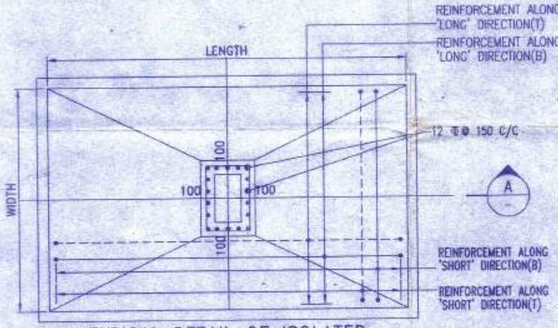
COLUMN LAYOUT PLAN

SCALE-1:100



SECTION -A-A

SCALE N.T.S.



TYPICAL DETAIL OF ISOLATED FOUNDATION

SCALE N.T.S.

SCHEDULE FOR ISOLATED FOUNDATION

UNDER COLUMNS MARKED	FOUNDATION MARKED	NUMBER	FOUNDATION SIZE					FOUNDATION REINFORCEMENT DETIALS			
					THICKNESS		DEPTH	BOTTOM REINFORCEMENT		TOP REINFORCEMENT	
			LENGTH (m)	WIDTH (m)	D1 (mm)	D (mm)	Df (mm)	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	ALONG SHORT DIRECTION	ALONG LONG DIRECTION
C1, C5, C22, C24	F1	04	1.6	1.6	450	300	1700	12 ⌀ 150 C/C	12 ⌀ 150 C/C	8 ⌀ 250 C/C	8 ⌀ 250 C/C
C2, C4, C6, C7, C9, C10, C13, C16, C18, C19, C23	F2	11	1.8	1.8	450	300	1700	12 ⌀ 150 C/C	12 ⌀ 150 C/C	8 ⌀ 250 C/C	8 ⌀ 250 C/C
C12, C15, C21	F3	03	1.9	1.9	450	300	1700	12 ⌀ 150 C/C	12 ⌀ 150 C/C	8 ⌀ 250 C/C	8 ⌀ 250 C/C
C11, C20	F4	02	2.3	2.3	450	300	1700	16 ⌀ 150 C/C	16 ⌀ 150 C/C	8 ⌀ 250 C/C	8 ⌀ 250 C/C
C17	F5	01	2.2	2.2	450	300	1700	16 ⌀ 150 C/C	16 ⌀ 150 C/C	8 ⌀ 250 C/C	8 ⌀ 250 C/C
C14	F6	01	2.4	2.4	450	300	1700	16 ⌀ 150 C/C	16 ⌀ 150 C/C	8 ⌀ 250 C/C	8 ⌀ 250 C/C
C5, C8	F7	02	2.1	2.1	450	300	1700	16 ⌀ 150 C/C	16 ⌀ 150 C/C	8 ⌀ 250 C/C	8 ⌀ 250 C/C

NOTES:-

1. UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
2. ALL DIMENSIONS ARE IN MILLIMETERS & LEVELS ARE IN METER EXCEPT OTHERWISE MENTIONED ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED. ALL LEVELS GIVEN IN STRUCTURAL DRAWINGS ARE IN ACCORDANCE WITH ARCHITECTURAL DRAWINGS. AND INDICATE STRUCTURAL LEVEL ONLY (WITHOUT FINISH).
3. ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS.
4. ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
5. UNLESS OTHERWISE SPECIFIED ALL RENFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
6. ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
7. VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
8. UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C.
9. CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
   i) ISOLATED FOUNDATION : 50 mm
10. GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS: 456:2000.
11. DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
12. THE NET SAFE BEARING CAPACITIES FOR ALL ISOLATED FOOTINGS AT DEPTH (-)1.7m. FROM G.L.(±0.0m) HAVE BEEN CONSIDERED ON THE BASIS OF SOIL REPORT PREPARED BY SA CHAUDHURI & ASSOCIATES (MR. SUVANKAR CHAUDHURI).
13. THE ABOVE MENTIONED BEARING CAPACITIES MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEOTECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.
14. THE N VALUE AS DESCRIBED UNDER NOTES OF TABLE-1 OF IS-1893 (PART-1)-2016 SHOULD BE ENSURED TO BE GREATER THAN 15 FOR VALIDITY OF THIS DESIGN AND DRAWING.

SPECIAL NOTES:

THIS STRUCTURAL DRAWING IS VALID IF THE ARCHITECTURAL DRAWING IS FOLLOWED USING 250 mm THICK AAC BLOCKS IN EXTERNAL WALLS &125 mm THICK AAC BLOCKS IN INTERNAL WALLS

NET SAFE BEARING CAPACITIES CONSIDERED FOR FOUNDATION

TYPE OF FOUNDATION	SIZE	NET SAFE BEARING CAPACITY (T/M²)
ISOLATED	1.6m. x 1.6m.	16.20
	1.8m. x 1.8m.	16.0
	1.9m. x 1.9m.	15.8
	2.3m. x 2.3m.	15.4
	2.2m. x 2.2m.	15.6
	2.4m. x 2.4m.	15.4
	2.1m. x 2.1m.	15.8

THESE BEARING CAPACITIES MUST BE ENSURED AT SITE, UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER FOR VALIDITY OF THIS DESIGN AND DRAWING

TITLE

STRUCTURAL DRAWINGS OF PROPOSED G+2 STORIED RESIDENTIAL (APARTMENT) BUILDING OF SRI KALO BARAN MONDAL AND SRI TARUN KARAK OVER R.S. PLOT NO. - 1102, MOUZA - BHADUR, J.L. NO- 42, P.S. ANDAL, DIST- PASCHIM BARDHAMAN.

SIGNATURE OF OWNER

Tarun Karak

Kalo Baran Mondal

SIGNATURE OF L.B.S./ENGINEER/ARCHITECT

VIJAYA SINGH
DMC REGISTERED
LIC NO. - DMC/BPD/60

VIJAYA SINGH MAZUMDER
Consulting Architect
DMC Registered (DMC/BPD/60)
9332002186, 8972428108

SIGNATURE OF STRUCTURAL ENGINEER

S. Choudhury 21/9/2020

SUSMITA CHOUDHURY
B.TECH (WBUT)
CIVIL ENGINEER, NKDA
LICENCE NO.- CVER/NKDA/10/00175

SIGNATURE OF VETTING AUTHORITY

CHECKED & VETTED

DR. DIPANKAR CHAKRAVORTY
STRUCTURAL ENGINEERING CONSULTANT
PROFESSOR & HEAD, CIVIL ENGINEERING DEPARTMENT
JADAVPUR UNIVERSITY
B.E. (J.U.) GOLD MEDALIST
M. TECH (IITKGP) GOLD MEDALIST
PH.D (IIT KGP)
(OFF) 033-2457 2589
(M) 9830185502 & 9433993143
EMAIL : prof.dipankar@gmail.com

SIGNATURE OF EXECUTIVE OFFICER PANCHAYAT SAMITY

Executive Officer
Andal Panchayet Samity
Paschim Bardhaman

May be approved
Junior Engineer (W.R.D.D)
Andal Development Block
Paschim Bardhaman

DRAWING DETAILS

FOUNDATION LAYOUT PLAN & REINFORCEMENT DETAILS.

SCALE-1:100 OR AS SHOWN

DATE- 21.09.2020

SHEET 1 OF 3