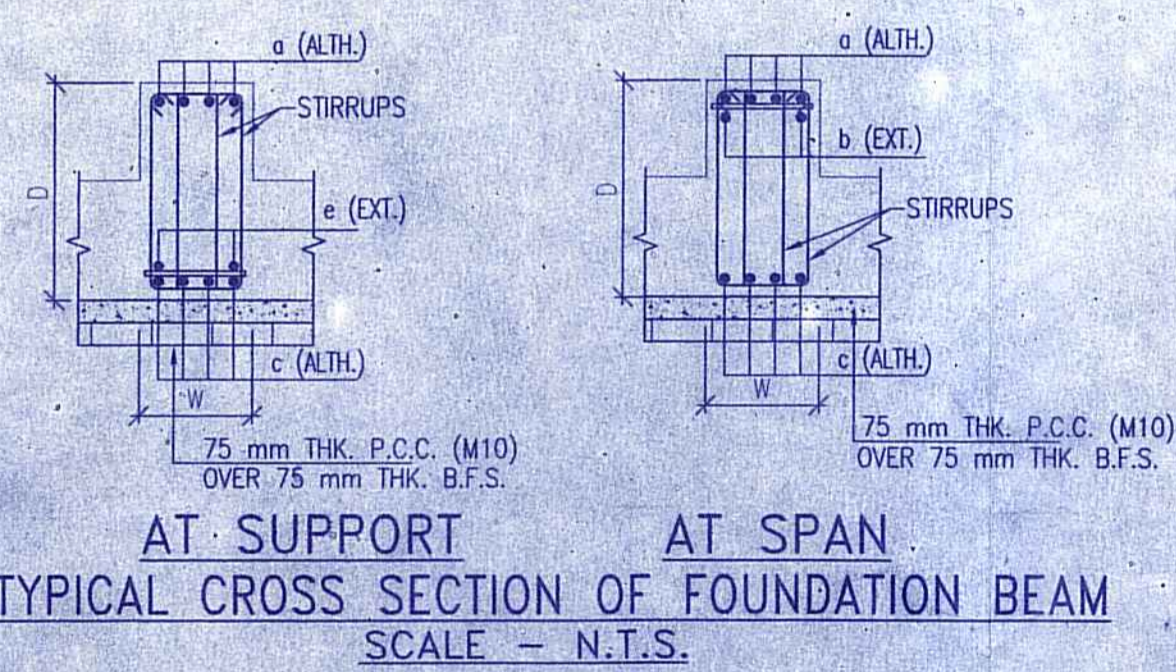
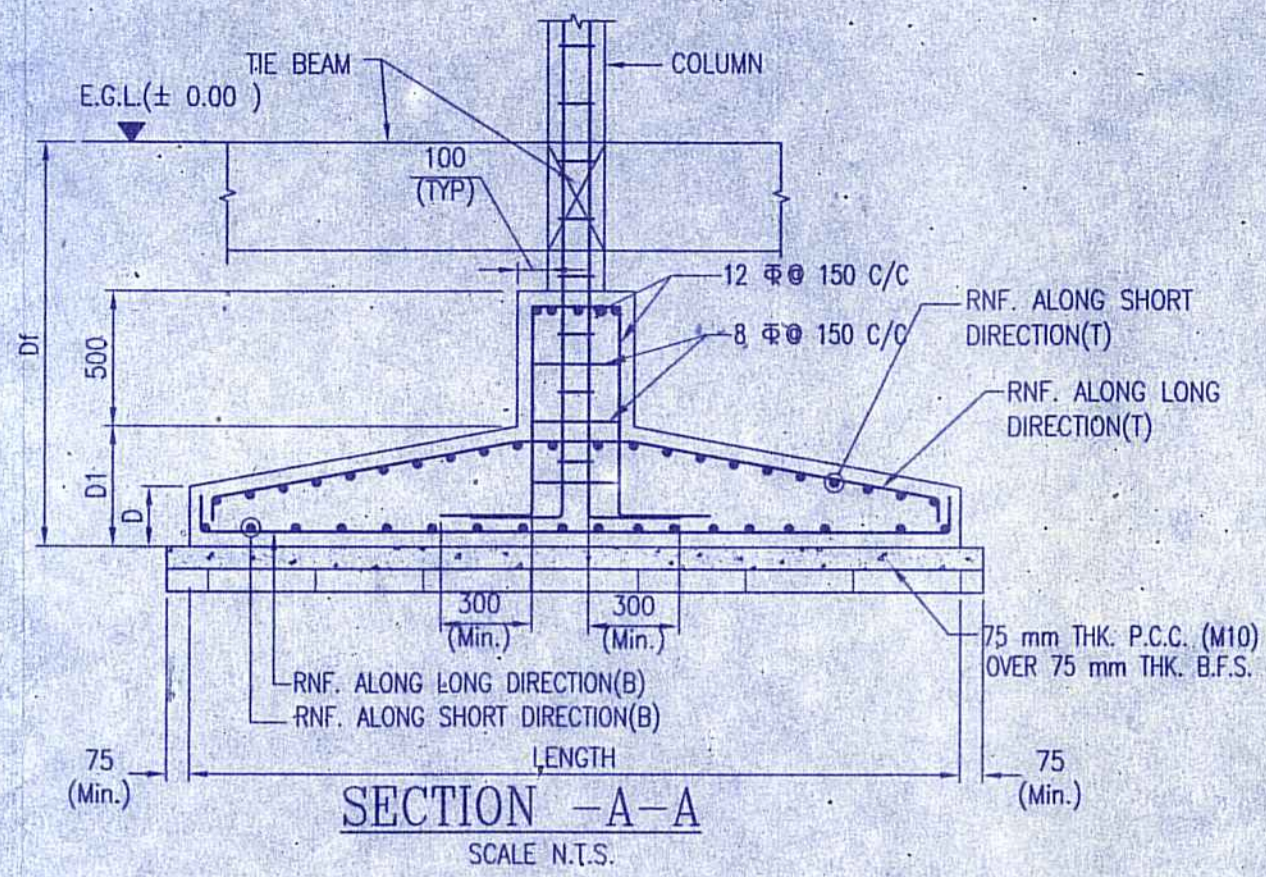


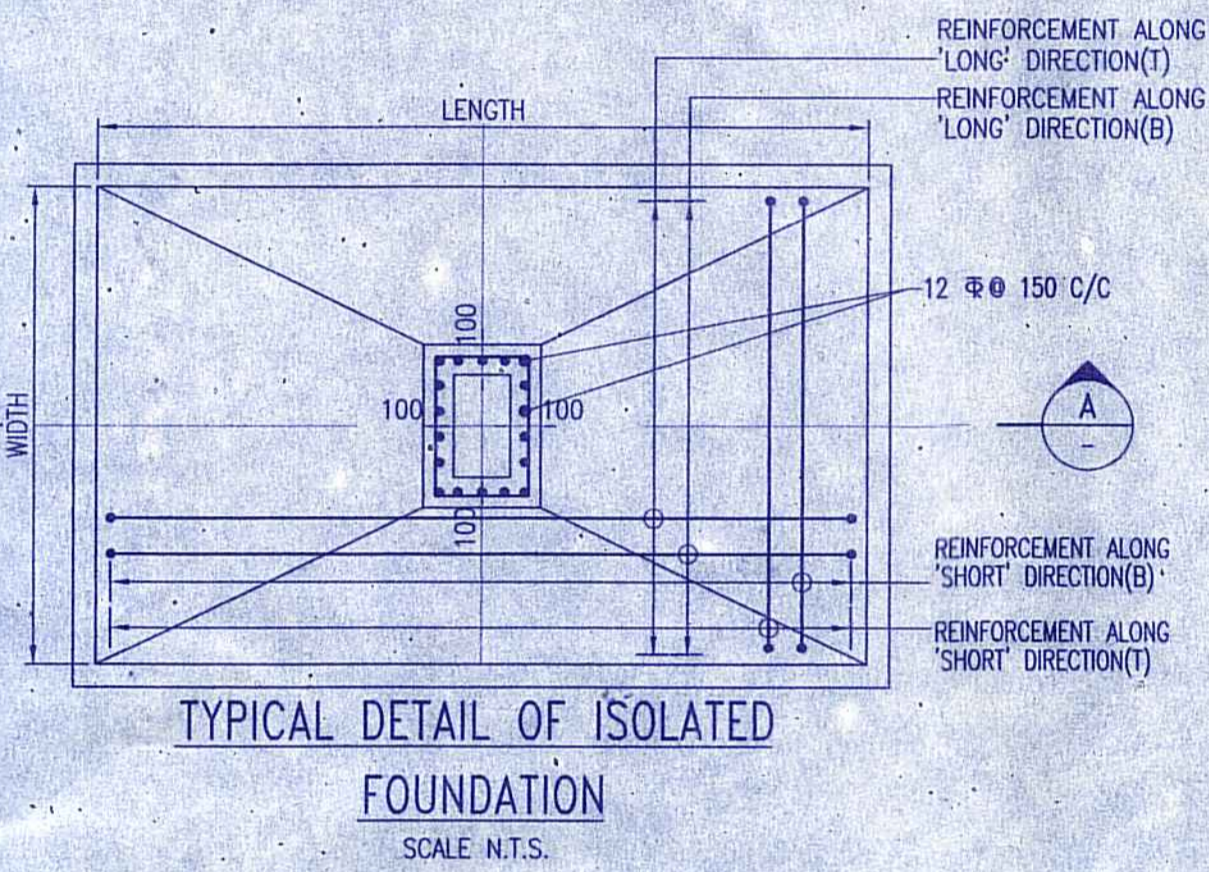
FOUNDATION LAYOUT PLAN
SCALE- 1:100



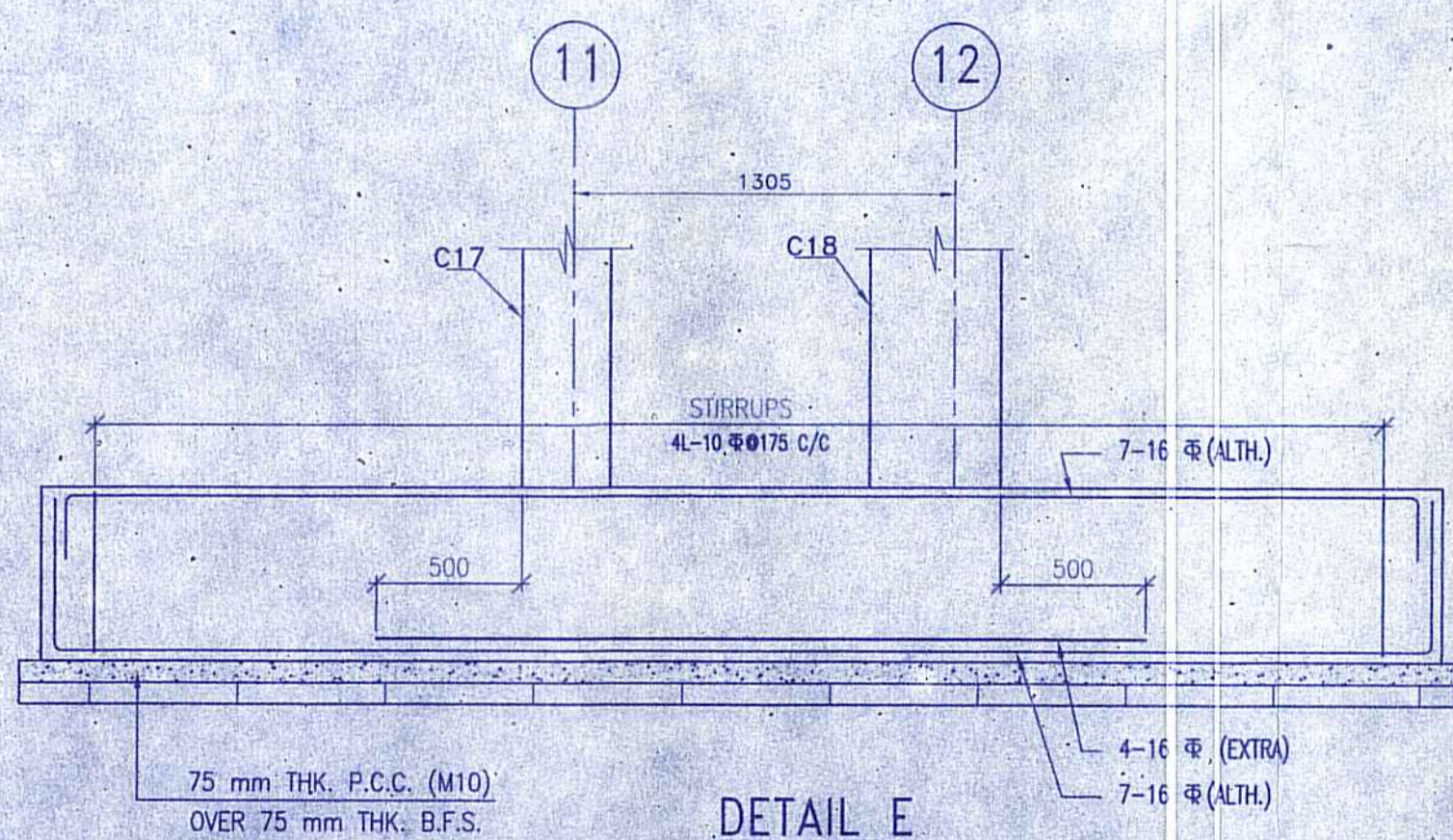
AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF FOUNDATION BEAM
SCALE - N.T.S.



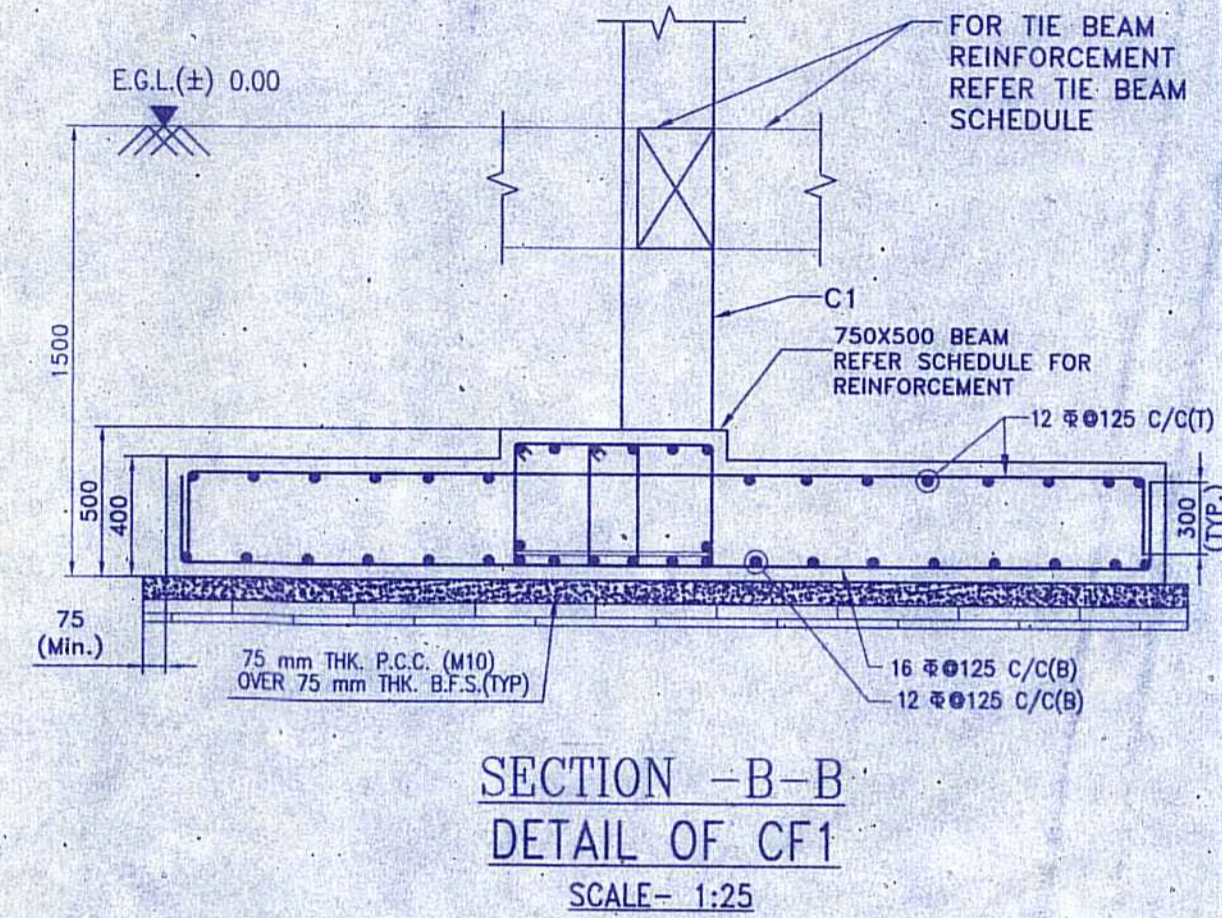
SECTION -A-A
SCALE N.T.S.



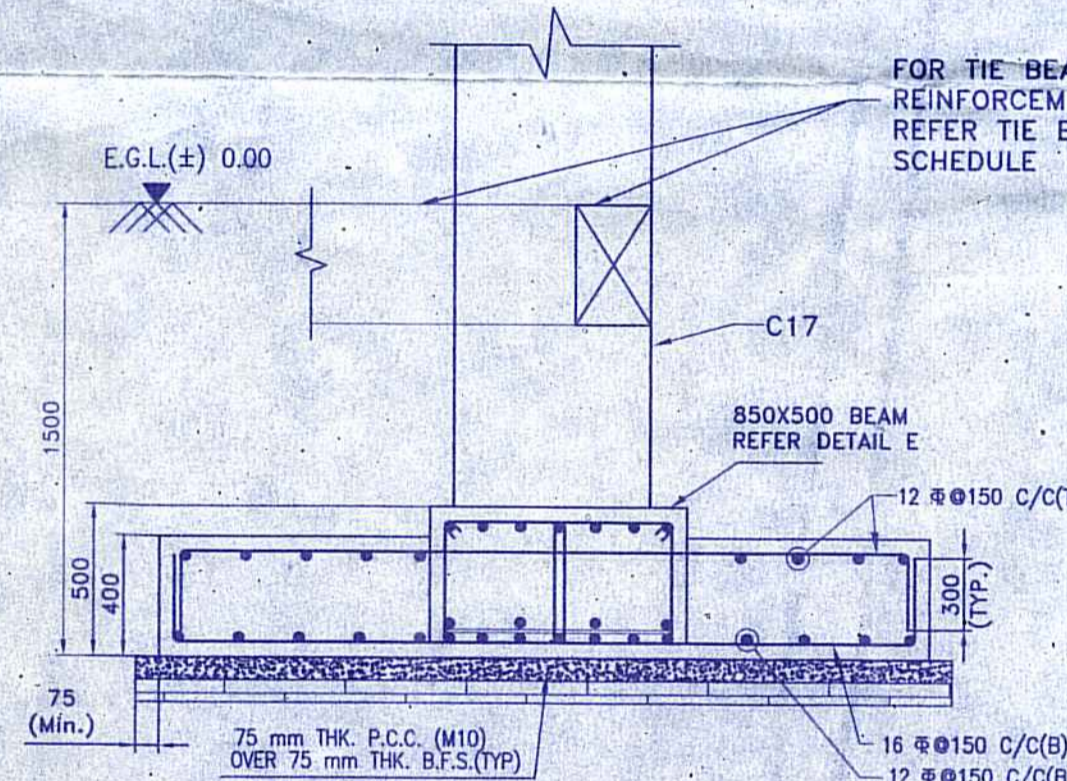
TYPICAL DETAIL OF ISOLATED FOUNDATION
SCALE N.T.S.



DETAIL E
BEAM REINFORCEMENT
DETAIL OF CF2
SCALE 1:25



SECTION -B-B
DETAIL OF CF1
SCALE- 1:25



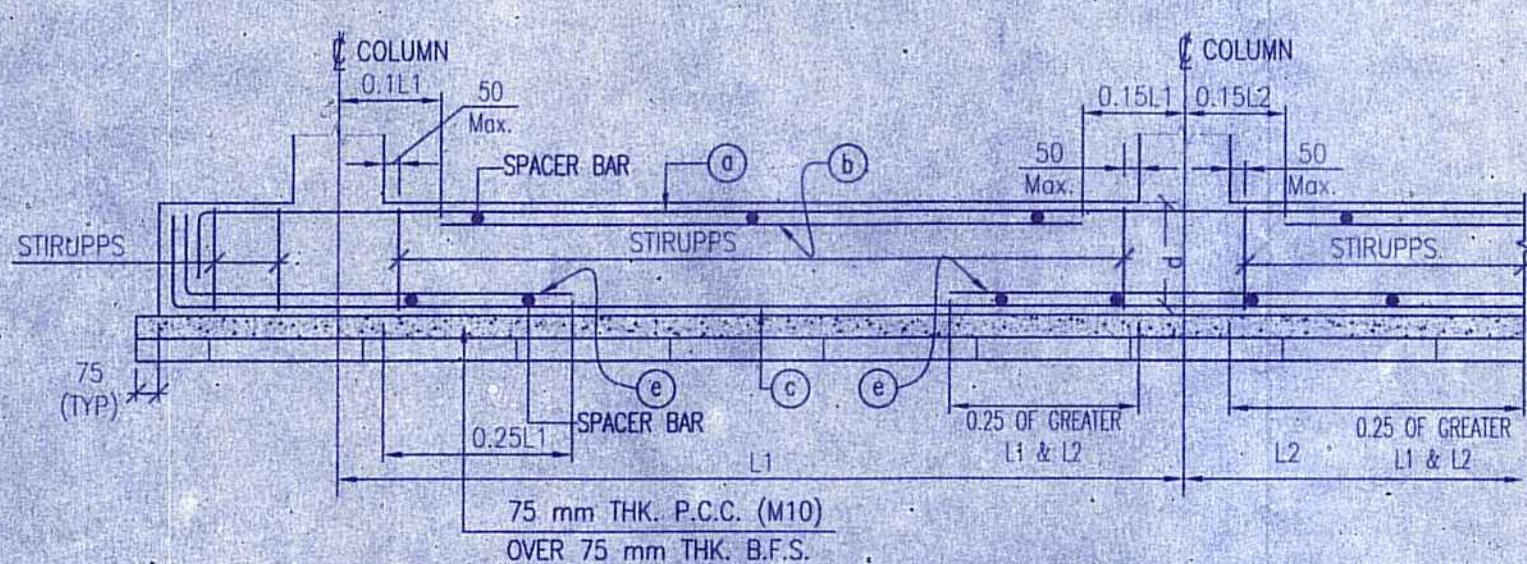
SECTION -D-D
DETAIL OF CF2
SCALE- 1:25

SCHEDULE FOR ISOLATED FOUNDATION

UNDER COLUMNS MARKED	FOUNDATION MARKED	NUMBER	FOUNDATION SIZE			FOUNDATION REINFORCEMENT DETAILS						
			LENGTH (m)	WIDTH (m)	THICKNESS		DEPTH		BOTTOM REINFORCEMENT		TOP REINFORCEMENT	
					D1 (mm)	D (mm)	Df (mm)	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	ALONG SHORT DIRECTION	ALONG LONG DIRECTION	
C3, C10	F1	02	2.8	2.8	500	300	1500	16 #150 C/C	16 #150 C/C	8 #250 C/C	8 #250 C/C	
C4, C7	F2	02	2.3	1.8	450	200	1500	12 #150 C/C	16 #150 C/C	8 #250 C/C	8 #250 C/C	
C6, C13, C14	F3	03	2.95	2.95	550	350	1500	16 #150 C/C	16 #150 C/C	8 #250 C/C	8 #250 C/C	
C5	F4	01	2.5	2.5	500	300	1500	16 #200 C/C	16 #200 C/C	8 #250 C/C	8 #250 C/C	
C16	F5	01	3.0	1.8	550	300	1500	12 #150 C/C	16 #100 C/C	8 #250 C/C	8 #250 C/C	
C20, C21	F6	02	3.1	2.3	550	300	1500	16 #200 C/C	16 #100 C/C	8 #250 C/C	8 #250 C/C	
C15, C19	F7	02	2.7	2.3	500	300	1500	16 #150 C/C	16 #150 C/C	8 #250 C/C	8 #250 C/C	

SCHEDULE FOR COMBINED FOUNDATION

FOUNDATION MARKED	NUMBER	FOUNDATION SIZE				FOUNDATION REINFORCEMENT DETAILS				FOUNDATION BEAM SIZE			FOUNDATION BEAM REINFORCEMENT DETAIL				
		TOTAL LENGTH	WIDTH (mm)	THICKNESS (mm)	DEPTH BELOW G.L. (mm)	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		LENGTH (mm)	WIDTH (mm)	THICKNESS (mm)	BOTTOM REINFORCEMENT		TOP REINFORCEMENT		STIRRUPS SPACING (mm)
						ALONG SHORT DIRECTION REINFORCEMENT	ALONG LONG DIRECTION REINFORCEMENT	ALONG SHORT DIRECTION REINFORCEMENT	ALONG LONG DIRECTION REINFORCEMENT				ALTHROUGH	EXTRA AT SUPPORT	ALTHROUGH	ALTHROUGH	
CF1	01	3914	3300	400	1500	16 #125 C/C	12 #125 C/C	12 #125 C/C	12 #125 C/C	3914	750	500	6-16 #	2-16 #	6-16 #	4L-10 #200 C/C	
CF2	01	4815	2550	400	1500	16 #150 C/C	12 #150 C/C	12 #150 C/C	12 #150 C/C	4815	850	500	7-16 #	4-16 #	7-16 #	4L-10 #175 C/C	



TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM
(AS PER SP 34-1987)

SPECIAL NOTES:

THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.

- NOTES:-
- UNLESS OTHERWISE STATED ALL CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT CONFORMING TO RELEVANT (INDIAN) STANDARD CODES OF PRACTICE.
 - 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).
 - ALL STRUCTURAL DRAWINGS SHALL BE READ ALONG WITH THIS DRAWING AS WELL AS RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IN THE STRUCTURAL AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT BEFORE EXECUTION OF WORK.
 - UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT TO BE USED SHALL BE TMT BARS OF GRADE Fe-500/500 D CONFORMING TO IS-1786-2008.
 - ADEQUATE CHAIR BARS TO BE PROVIDED TO KEEP THE TOP REINFORCEMENT IN PROPER POSITION.
 - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
 - UNLESS OTHERWISE SPECIFIED DISTRIBUTION REINFORCEMENT SHALL BE 8 T @ 250 C/C.
 - CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
i) RAFT BEAM & SLAB : 50 mm
ii) COMBINED FOUNDATION SLAB AND BEAM : 50 mm
iii) ISOLATED FOUNDATION : 50 mm
iv) PEDESTAL : 40 mm.
 - GRADE OF CONCRETE FOR SUBSTRUCTURE WILL BE M25 AS PER IS 456:2000.
 - DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
 - THE NET SAFE BEARING CAPACITIES FOR ALL ISOLATED & COMBINED FOOTINGS AT DEPTH (-)1.5m. FROM E.G.L. HAVE BEEN CONSIDERED ON THE BASIS OF SOIL REPORT PREPARED BY ASSOCIATED FOUNDATION ENGINEERS (Mr. ASIM SARKAR).
 - THE NET SAFE BEARING CAPACITY FOR 5.25m x 8.0m. SIZE RAFT FOOTING AT DEPTH (-)2.0m. FROM E.G.L. HAS BEEN CONSIDERED 11.0 T/50M.
 - THE ABOVE MENTIONED BEARING CAPACITIES MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEOTECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.
 - 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.

TITLE
PROPOSED STRUCTURAL DRAWINGS FOR FIVE (G+4) STORIED RESIDENTIAL APARTMENT OF M.R DEVELOPER . OVER, PLOT DETAILS / ADDRESS : PLOT NO- [1654(R.S.) & 2425/3280(L.R.); SUB PLOT NO 37(P) J.L. NO-91, MOUZA:-ARRAH, DGP-713212 P.S.- KANKSA, UNDER MALANDIGHI GRAM PANCHAYET, DIST. -PASCHEM BURDWAN.

LAND OWNER : SMT. DULALI SUR
CERTIFICATE OF ARCHITECT

I DO HEREBY CONFIRM AND CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISION OF NBC OF INDIA AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECT.

ANIRBAAN BHATTACHARYA
(LICENSE NO - CA/2014/62790)

JUI CHATTERJEE
Lic.No. DM/027D-25
1/18 Ramanujam Road, Durgapur - 9
Dist. - Paschim Medinipur - 743464
(LICENSE NO - DMC/BPD/25)
SIG. OF ARCHITECT/ENGINEER

SIGNATURE OF GEOTECHNICAL ENGINEER

THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT

ASIM SARKAR
BCE, ME (SOL), MIGS
EMPANELLED GEOTECHNICAL ENGINEER
K.M.C. No. CLASS-1/2

CERTIFICATE OF STRUCTURAL ENGINEER

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

Soumyadip Datta
SOUMYADIP DUTTA
B.TECH (WBUT)
CIVIL ENGINEER, NKDA
LICENCE NO. -CVER/NKDA/10/00174

SIG. OF STRUCTURAL ENGINEER

SIGNATURE OF THE VETTING AUTHORITY

DR. DIPANKAR CHAKRABORTY
STRUCTURAL ENGINEER (REG. IN INDIA)
PROFESSOR & HEAD CIVIL ENGINEERING DEPT.
JADAVPUR UNIVERSITY (REG. IN INDIA)
F.I.E.S.E. (KMC), STRUCTURAL ENGINEER (KMC)
B.E. (J.U.), GOLD MEDALIST
M.TECH (ITKGP) GOLD MEDALIST
PH.D (IIT KGP)
(O.F) 033-2457-2589
(M) 9830185302 & 9438993143
EMAIL: prof.dipankar@gmail.com

SIGNATURE OF LAND OWNER/S

Approved vide memo no - 20 HSBEP/1926
D/- 05/08/2020 of District Engineer
Paschim Bardhaman.

APPROVED
Jijnu Mukherjee
Proddhan
Malandighi Gram Panchayat

SIGNATURE OF OWNER

DRAWING TITLE
FOUNDATION LAYOUT PLAN & REINFORCEMENT DETAILS.

SCALE-1:100 OR AS SHOWN

DATE- 04.08.2019

SHEET NO. - 1 OF 4