SCHEDULE OF FLOOR BEAMS : (CONCRETE GRADE - M25)

BEAM MKD.	SIZE	ALTH. REINFORCEMENT		CONT.SUPP. (T)	EXTRA REINFORCEMENT	DISCONT. SUPP. (T)	STIRRUPS	
		TOP	BOTTOM		MID SPAN. (B)		SUPPORT	MID SPAN
B1	250x500	3 - 20#	3 - 20#	2 - 12#	----	2 - 12#	2L-8# @125 C/C	2L-8# @150 C/C
B2	250x500	3 - 20#	3 - 20#	3 - 16#	2 - 16#	3 - 16#	2L-8# @125 C/C	2L-8# @150 C/C
B3	250x500	3 - 20#	3 - 20#	----	3 - 16#	3 - 20#	2L-8# @125 C/C	2L-8# @150 C/C
L.B	250x500	3 - 20#	3 - 20#	----	----	----	2L-8# @100 C/C	2L-8# @150 C/C

SCHEDULE OF TIE BEAMS : (CONCRETE GRADE - M25)

BEAM MKD.	SIZE	ALTH. REINFORCEMENT		EXTRA REINFORCEMENT			STIRRUPS	
		TOP	BOTTOM	CONT.SUPP. (T)	MID SPAN. (B)	DISCONT. SUPP. (T)	SUPPORT	MID SPAN
TB1	250x400	3 - 16#	3 - 16#	2 - 12#	----	2 - 12#	2L-8# @175 C/C	2L-8# @200 C/C
TB2	250x400	3 - 16#	3 - 16#	1-16# + 1-12#	2 - 12#	1-16# + 1-12#	2L-8# @175C/C	2L-8# @200 C/C

SCHEDULE OF SLABS: (CONCRETE GRADE - M25)

SLAB MKD.	SLAB THK.	REINFORCEMENT			
		ALONG SHORTER SPAN (B)	ALONG LONGER SPAN (B)	EXTRA TOP	
				ALONG SHORTER SPAN	ALONG LONGER SPAN
S1	150	8 # @ 150 C/C	8 # @ 150 C/C	8 # @ 125 C/C	8 # @ 125C/C
WAIST SLAB	175	12 # @ 100C/C		BINDER - 10 # @ 150 C/C	
BINDER		8 # @ 200 C/C (AT TOP)			

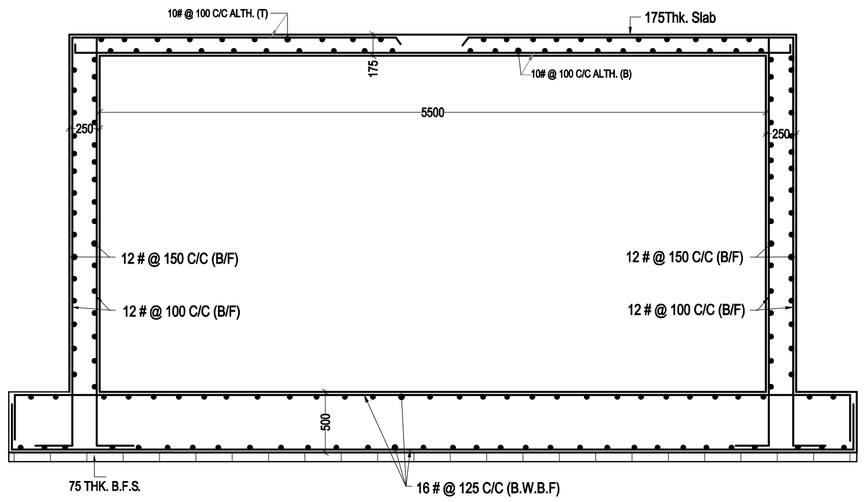
SCHEDULE OF ISOLATED COLUMN FOOTING: (CONCRETE GRADE-M25)

MKD	SIZE	d1	d2	REINFORCEMENT	
				a1 (ALONG LONGER SPAN)	a2 (ALONG SHORTER SPAN)
FG1	2000x2000	200	200	12 # @ 175 C/C	12 # @ 175 C/C

SCHEDULE OF COLUMN :-

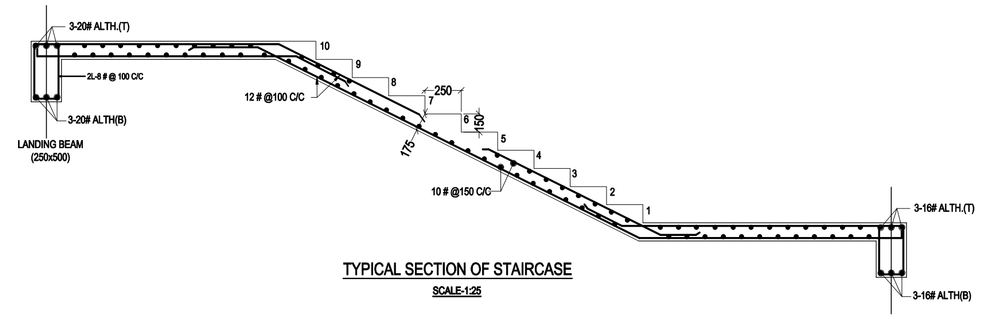
(CONCRETE GRADE - M25)

CONC. GRADE	Col.Mkd	C1,C2,C13,C14.	C3,C4,C5,C6,C7, C8,C9,C10, C13,C14.
	Col.Size	300X500	300X500
M25	THROUGH OUT	300, 500, 12-16# (4Nos/Set)	300, 500, 20#, 6-20# + 6-16# (4Nos/Set)
		ZONE A - 8# @ 125 C/C	ZONE A - 8# @ 125 C/C
		ZONE B - 8# @ 175 C/C	ZONE B - 8# @ 175 C/C
		Lo = 1000mm	Lo = 1000mm
	STIRRUP ARRANGEMENT IN COLUMNS	a, b, c, d	a, b, c, d



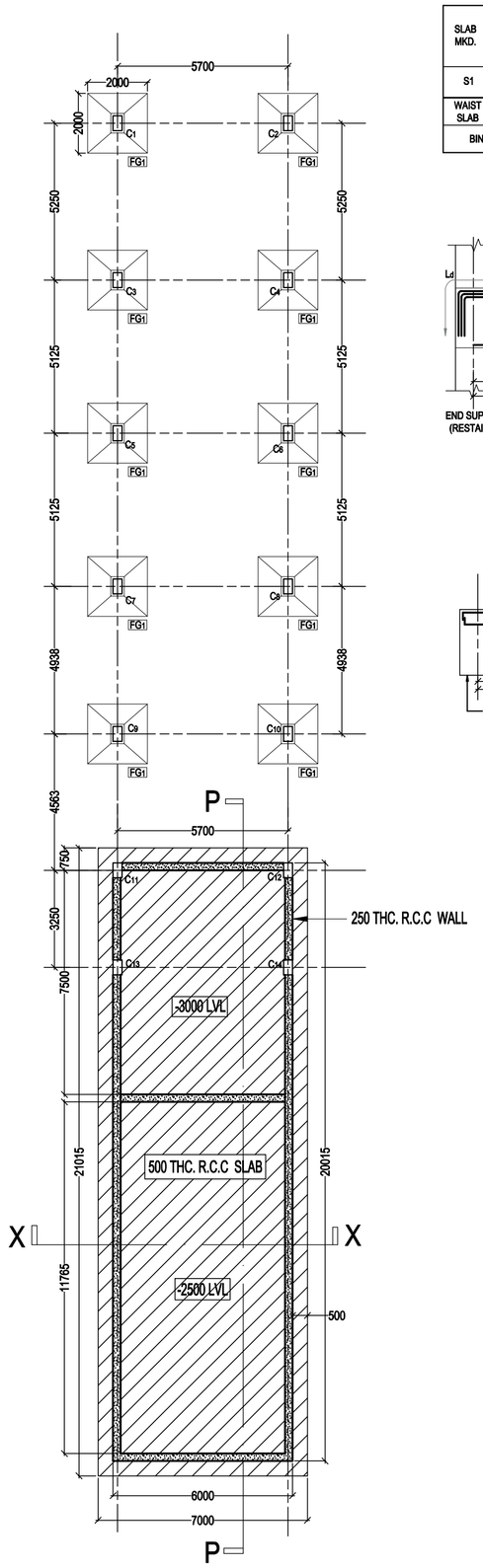
SECTION OF X-X

(SCALE=1:25)



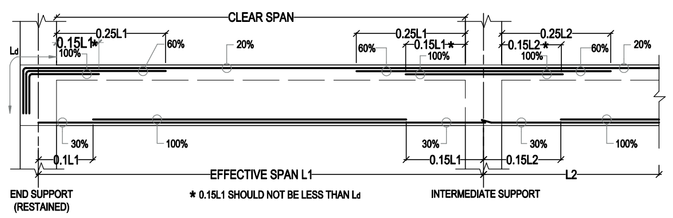
TYPICAL SECTION OF STAIRCASE

SCALE-1:25



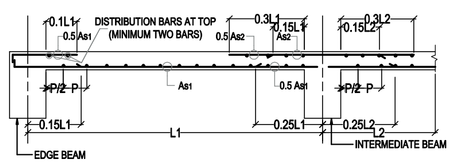
FOUNDATION LAYOUT PLAN

SCALE 1:100



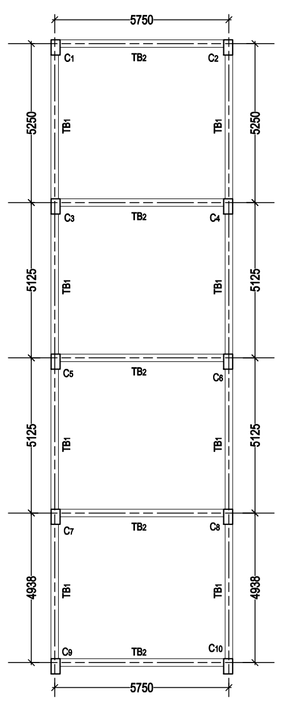
TYPICAL LONGITUDINAL SECTION OF BEAM

SCALE 1:25



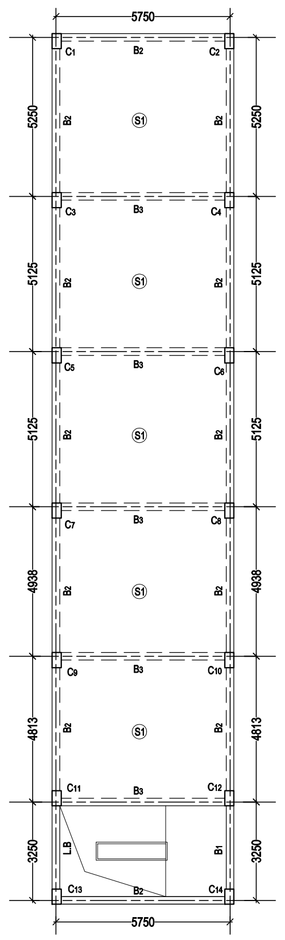
LONGITUDINAL SECTION OF SLAB (TYPICAL)

SCALE 1:25



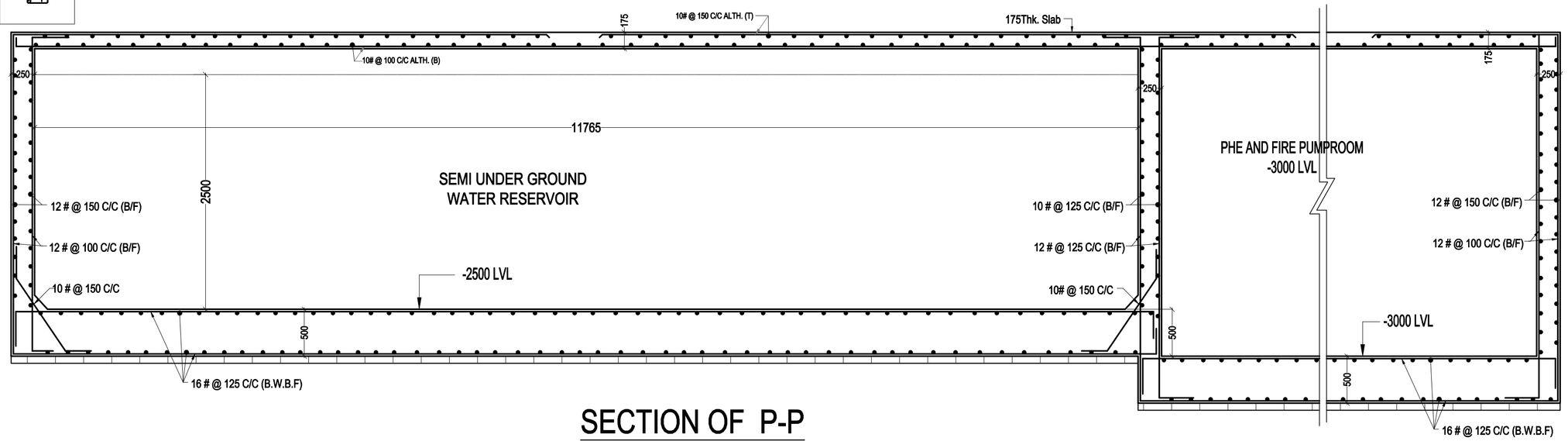
TIE BEAM LAY OUT PLAN

SCALE - 1:100



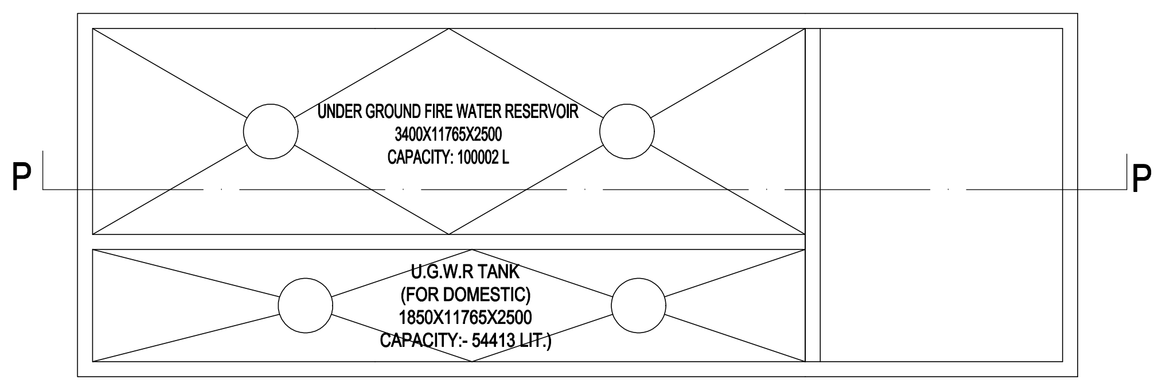
FLOOR BEAM & SLAB LAY OUT PLAN

SCALE - 1:100



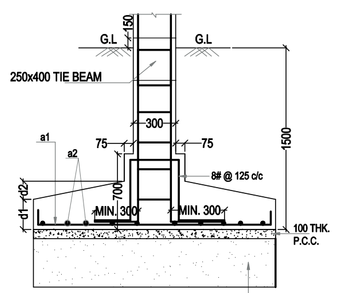
SECTION OF P-P

(SCALE=1:25)



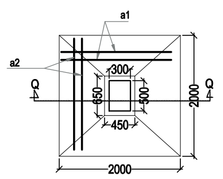
PLAN OF SEMI U.G.W.R.

(SCALE=1:100)



SECTION THROUGH Q-Q

SCALE 1:25



ISOLATED FOOTING(TYP.)

SCALE : 1:50

STRUCTURAL NOTES :

1) ALL DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED.
2) GRADE OF CONCRETE - FOUNDATION = M25, TIE BEAM = M25, FLOOR BEAM= M25, COLUMN= M25, FLOOR SLAB= M25.
3) GRADE OF STEEL - H.Y.S.D. (Fe 550)
4) DO NOT SCALE THE DRAWING, WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
5) BASIS OF DESIGN IS LIMIT STATE METHOD .
6) LAPS & ANCHORAGE OF REINF. 50 TIMES DIA OF BARS.
7) CLEAR COVER TO MAIN REINFORCEMENT FOUNDATION = 50MM, FLOOR BEAM= 25 MM. COLUMN= 40 MM, SLAB= 20 MM.
8) BEARING CAPACITY OF PILE CONSIDERED AS PER SOIL REPORT.
9) DEPTH OF FOUNDATION 1.5M BELOW G.L.
10) THIS DRAWING IS A PRIVATE & CONFIDENTIAL DOCUMENT OF THE CONSULTANT. IT MUST NOT BE COPIED OR CHANGED WITHOUT THEIR CONSENT.

SIGNATURE OF OWNER

CERTIFICATE OF GEO-TECHNICAL ENGINEER.

IT IS CERTIFIED THAT THE COMPREHENSIVE GEO-TECHNICAL REPORT ON SOIL INVESTIGATION HAS BEEN PREPARED BY ME FOR DESIGN AND CALCULATION OF THE FOUNDATION BY ANALYZING THE SOIL SAMPLE FOR ESTIMATING THE BEARING CAPACITY OF THE SOIL ON WHICH FOUNDATION OF THE STRUCTURE WILL BE CONSTRUCTED.
I SHALL ALSO CHECK THE NATURE OF THE SOIL AFTER EXCAVATION AT SITE SO THAT FOUNDATION IS EXTENDED UP TO APPROPRIATE DEPTH THAT HAS BEEN PROPOSED IN THE GEO-TECHNICAL REPORT.

SIGNATURE OF GEO-TECHNICAL ENGG.

CERTIFICATE OF STRUCTURAL ENGINEER.

CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING THE SOIL TEST REPORT (AS PER THESE RULES AND THE REGULATIONS MADE UNDER THE ACT) AND ALSO CONSIDERING ALL POSSIBLE LOADS , SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.SURFACE STRENGTH OF ALL U.G.R. TOP SLAB & TOP OF BASEMENT SLAB BEYOND GROUND FLOOR SHALL NOT BE LESS THAN 45 M.T.

SIGNATURE OF STRUCTURAL ENGINEER

CERTIFICATE OF STRUCTURAL REVIEWER.

CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING THE SOIL TEST REPORT (AS PER THESE RULES AND THE REGULATIONS MADE UNDER THE ACT) AND ALSO CONSIDERING ALL POSSIBLE LOADS , SEISMIC LOAD AND THE MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER THE BUREAU OF INDIAN STANDARD AND NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECT AND THESE PROVISIONS SHALL BE ADHERED TO DURING THE CONSTRUCTION.SURFACE STRENGTH OF ALL U.G.R. TOP SLAB & TOP OF BASEMENT SLAB BEYOND GROUND FLOOR SHALL NOT BE LESS THAN 45 M.T.

SIGNATURE OF STRUCTURAL REVIEWER

CERTIFICATE OF ARCHITECT

I DO HEREBY CERTIFY THAT PLANS, ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDING ON L.R PLOT NO-18(P),C.S PLOT NO:-272,(P),340(P),341(P),342(P),343,344,345(P),346,347,348,349 ,350(P),352,353(P),354(P),355(P)356(P),357(P),501(P),OF MOUZA -FARIDPUR, J.L NO-74,UNDER THE JURISDICTION OF DURGAPUR MUNICIPAL CORPORATION, HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISIONS UNDER THE WEST BENGAL MUNICIPAL BUILDING RULES 2007.THIS IS ALSO TO CERTIFY THAT ALL RELEVANT NO OBJECTION CERTIFICATES FROM THE RESPECTIVE AUTHORITIES AS APPLICABLE IN THIS REGARD.

SIGNATURE OF ARCHITECT

PROJECT :

PROPOSED TWO STORIED AO & RBO AND THREE STORIED SBILD BANK'S BUILDING OF STATE BANK OF INDIA AT MAHATMA GANDHI AVENUE, KHATIAN NO-441, L.R PLOT NO-18(P), C.S PLOT NO:-272(P), 340(P), 341(P), 342(P), 343, 344, 345(P), 346, 347, 348, 349, 350(P), 352, 353(P), 354(P), 355(P), 356(P), 357(P), 501(P), OF MOUZA -FARIDPUR, P.S -DURGAPUR, J.L NO-74, DIST-PASCHIM BARDHAMAN, WEST BENGAL, PIN-713216.

CLIENT : **STATE BANK OF INDIA**

TITLE :

FOUNDATION LAYOUT PLAN, SCHEDULE OF COLUMNS, ISOLATED FOUNDATION FOOTINGS & COMBINED FOOTINGS, SECTION OF ISOLATED, COMBINED FOOTINGS, SECTION THROUGH LIFT WALL.

ARCHITECT:

MISHRA & MISHRA CONSULTANCY SERVICES PVT. LTD.

FD-396, SECTOR - III, SALT LAKE CITY, KOLKATA-700106
PH: 4004 5307, email : umes_mmcs_2006@yahoo.co.in
website : www.mmcsdesign.com

DATE - 01.09.2025	PURPOSE : SANCTION	NORTH :
REV.DATE -		
SCALE -1:100,1:50, 1:25	DRAWING NO.: SBI/MMCS/STRUCTURE/ DURGAPUR-08/25-26	
DRAWN BY - JAYANTA		
CHECKED BY - ANIRBAN /N.C		

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