



STRUCTURAL DETAILS OF PROPOSED G+IV STORIED RESIDENTIAL BUILDING OWNED BY - SRI. MOHIT CHAKRABORTY & SRI. RATAN CHAKRABORTY AT CORRESPONDING TO MOUZA- CHAKRAGHATA, J.L. NO.- 26, Re. Su. NO.- 164, TOUZI NO.- 146, L.R. DAG NO.- 4173 & 4174, L.R. KHATIAN NO.- 4407, 4730, WARD NO.- 23, HOLDING NO.- 238, BIRESH PALLY (SOUTH), P.S.- MADHAYAMGRAM, DIST.- NORTH 24 PARGANAS, UNDER MADHYAMGRAM MUNICIPALITY, KOLKATA - 700129.

CERTIFICATE OF STRUCTURAL STABILITY:-

WE HEREBY CERTIFY THAT THE FOUNDATION & SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON PLOT NO.- 238, STREET- BIRESH PALLY (SOUTH), WARD NO.- 23, UNDER THE JURISDICTION OF MADHYAMGRAM MUNICIPALITY NOTIFIED AREA AUTHORITY/ INDUSTRIAL TOWNSHIP AUTHORITY HAVE BEEN PERSONALLY INSPECTED AND SO DESIGNED BY ME/US WILL MAKE SUCH FOUNDATION AND SUPER STRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY & SETTLEMENT OF SOIL & OTHER CONDITIONS IF ANY, CONFORMING TO ALL STIPULATIONS OF ALL RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

MANI SANKAR CHATTERJEE
E.S.E. NO.- 205/1
K.M.C.

SIGNATURE OF STRUCTURAL ENGINEER
(NAME, ADDRESS & EMPANELMENT NO.)

ARCHAN MAJUMDER
M.Tech. MIGS, AMIE
Chartered Engineer
Consulting Civil Engineering
O.T.E. No.- G.T/1/61 (K.M.C.)

SIGNATURE OF GEO-TECHNICAL ENGINEER
(NAME, ADDRESS & EMPANELMENT NO.)

CERTIFICATE OF OWNER:-

CERTIFIED THAT I SHALL NOT ON A LATER DATE MAKE ANY ADDITION OR ALTERATION TO THIS PLAN. CERTIFIED THAT I HAVE GONE THROUGH THE RULES FOR MADHYAMGRAM MUNICIPALITY AND ALSO UNDER TAKE TO ABIDE BY THOSE RULES DURING & AFTER THE CONSTRUCTION OF THE BUILDING.

PENTONIC REALTY PVT. LTD.
Subir Roy
Director

PENTONIC REALTY PVT. LTD.
Pentonic
Director

PENTONIC REALTY PVT. LTD.
Subir Roy
Director

PENTONIC REALTY PVT. LTD.
Pentonic
Director

SIGNATURE OF OWNER

NOTES:-

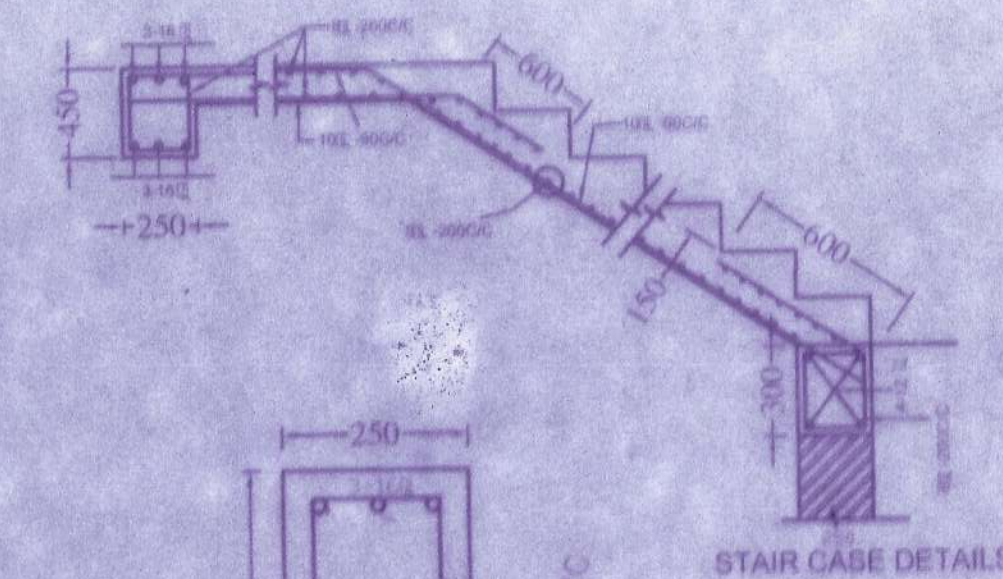
- 1) ALL DIMENSIONS ARE IN MM.
- 2) GRADE OF CONCRETE M25
- 3) GRADE OF STEEL Fe 500
- 4) COVER AGAINST MAIN REINFORCEMENT
COLUMN- 40
FOUNDATION- 50
SLAB- 15
BEAM- 25
- 5) LAP LENGTH
COLUMN= 40X DIA. OF BAR
SLAB, BEAM= 50X DIA. OF BAR
- 6) THE DRW. SHOULD BE READ IN CONJUNCTION WITH ARCHITECTURAL DRW.

C.A. CONSTRUCTION
(A GROUP OF CIVIL ENGINEERS)
62+63, MADHYAMGRAM MUNICIPAL MARKET COMPLEX,
KOLKATA- 700129
PH. (033) 2538 - 8009

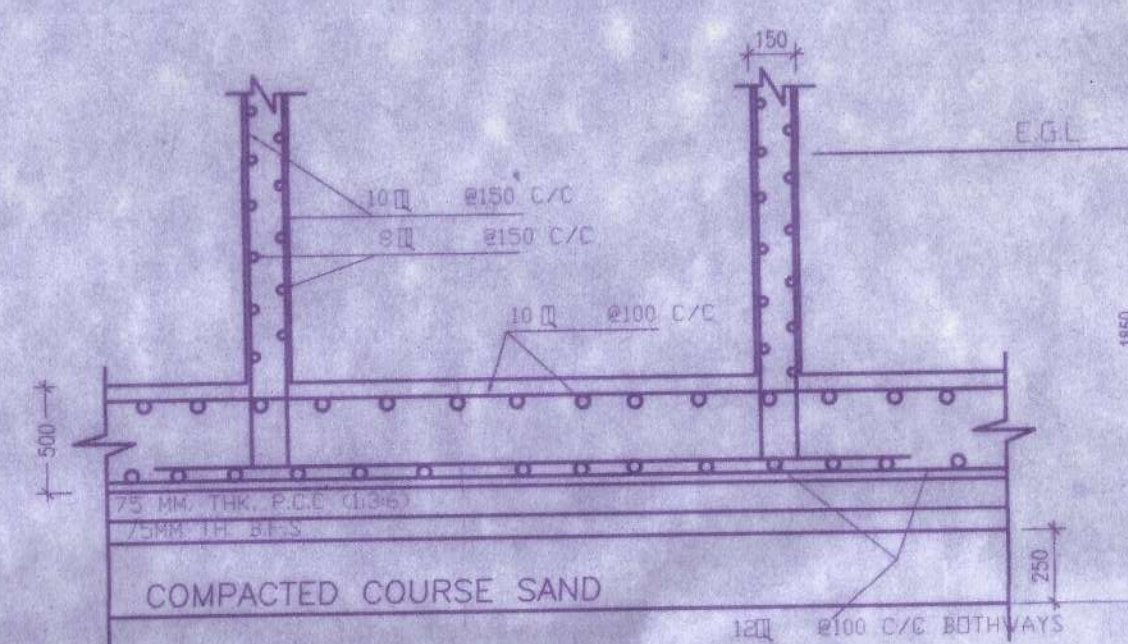
DWG. NO.- BACHU DA CO-OPERATIVE POND SANCTION STR-2025 DRAWN BY- SANDIP
THIS DRAWING IS PROPERTY OF C.A. CONSTRUCTION & IS NOT TO BE COPIED OR USED WITHOUT ITS PERMISSION.



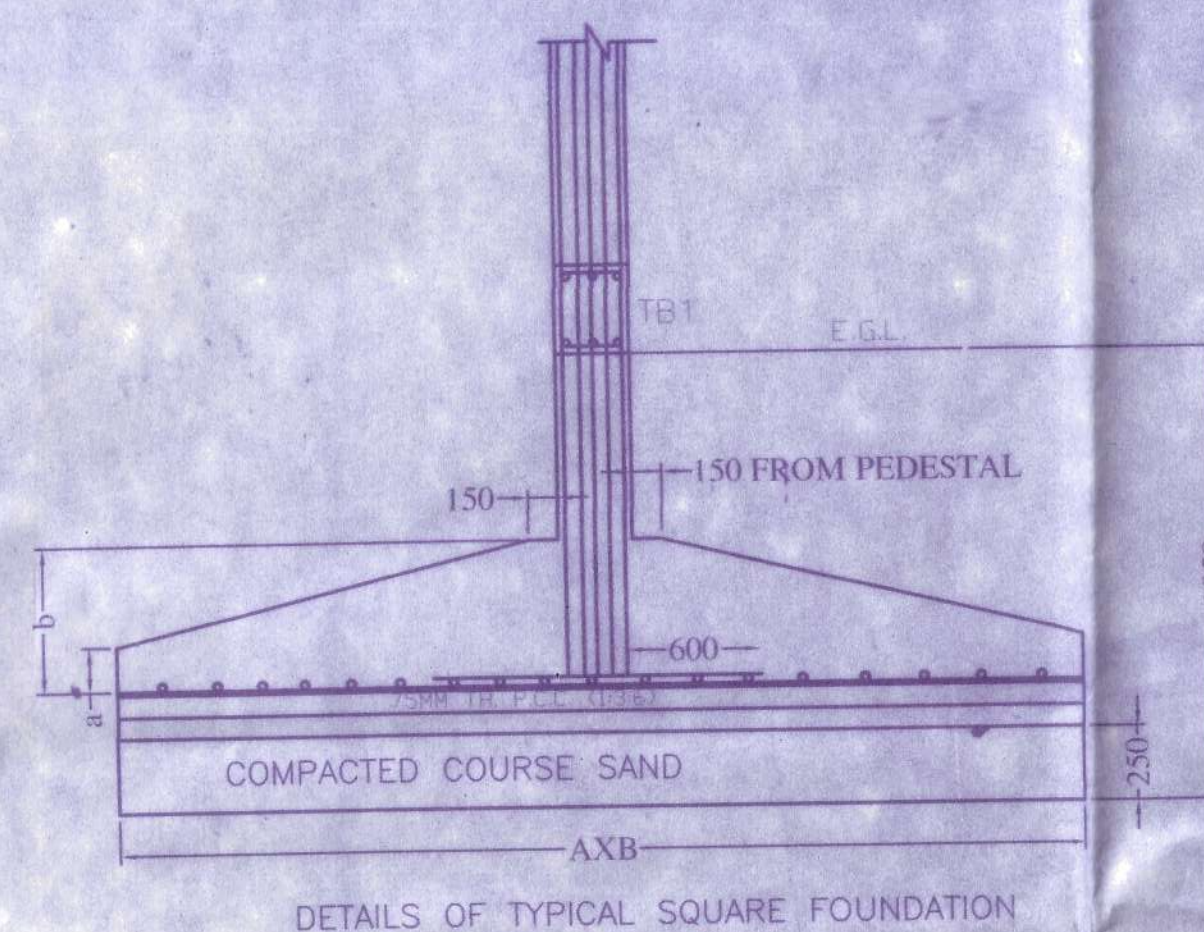
SLAB MKD.	SLAB DEPTH	MIDSPAN STEEL		SUPPORT STEEL	
		SHORTER DIR.	LONGER DIR.	SHORTER DIR.	LONGER DIR.
A	110	8@100C/C	8@100C/C	8@100C/C	8@100C/C
B	130	8@100C/C	8@100C/C	8@100C/C	8@100C/C
C	150	CANTILEVER SLAB		MAIN- 8@100C/C BINDER- 8@150C/C	



TIE BM.
SCALE 1:10



DETAILS OF LIFT FOUNDATION



DETAILS OF TYPICAL SQUARE FOUNDATION

BEAM MKD.	SECTION	MIDSPAN STEEL		SUPPORT STEEL		STIRRUPS
		TOP	BOTTOM	TOP	BOTTOM	
B2	250X400	3-20#	6-20#	6-20#	3-20#	8@100C/C
B1	250X400	3-16#	6-16#	6-16#	3-16#	8@150C/C

COLUMN CHART

COL. MKD.	REINFORCEMENT	STIRRUPS
C1, C4, C5, C13, C14	250X450 8-16#	8@150C/C
C2, C3, C6, C8, C9 C10, C11, C12	250X450 10-16#	8@150C/C
C7	250X450 12-16#	8@150C/C

FOUNDATION CHART

FOUND. MKD.	SECTION AXB	DEPTH b to a	REINFORCEMENT
C1, C4, C5, C13, C14	2400X2400	450 TO 250	12#-150C/C B/WAYS
C2, C3, C6, C8, C9 C10, C11, C12	2600X2600	550 TO 250	12#-125C/C B/WAYS
C7	2800X2800	650 TO 250	12#-125C/C B/WAYS

