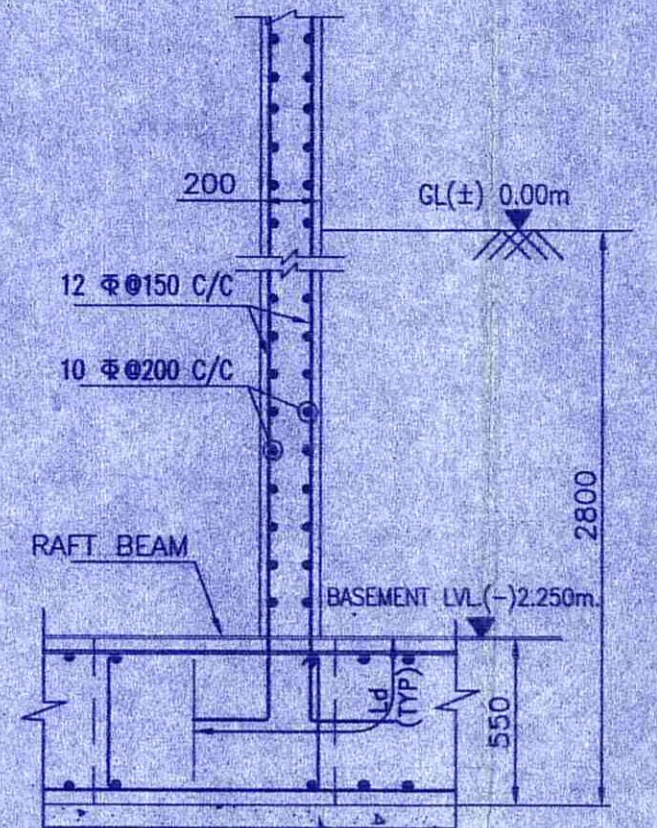


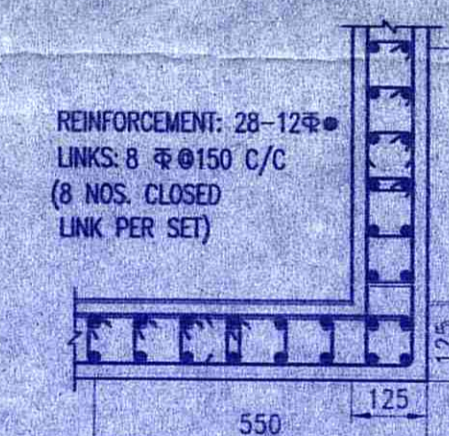
FOUNDATION LAYOUT PLAN
RS MARKED SLABS ARE 550mm THICK.
SCALE-1:100



DETAILS OF RETAINING WALL
SECTION -1-1
SCALE - 1:25

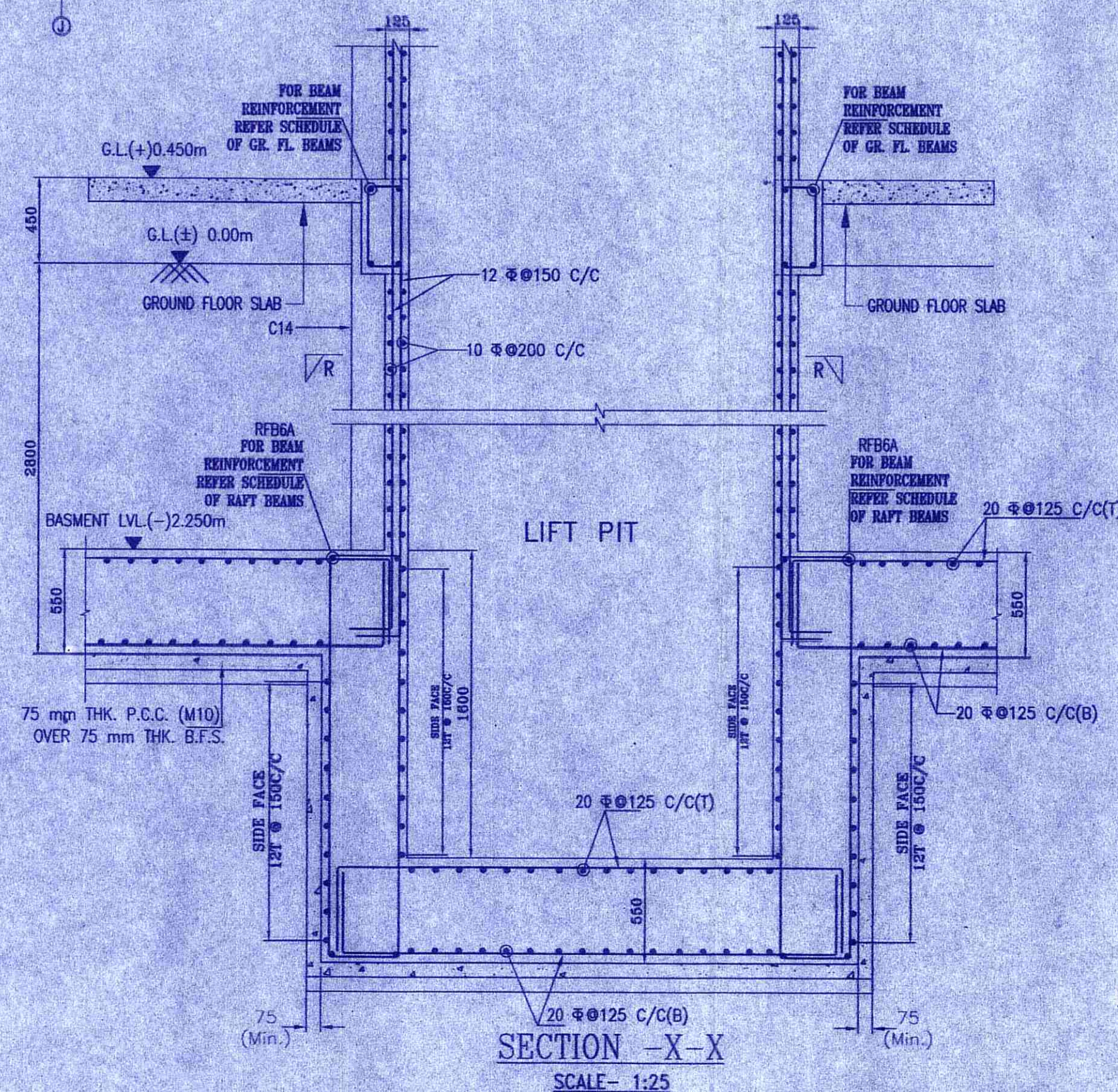
BEAM MARKED	BEAM SIZE		TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS	SIDE FACING
	WIDTH (W) (mm)	DEPTH (D) (mm)	ALTHROUGH (a)	EXTRA AT SPAN (b)	ALTHROUGH (c)	EXTRA AT SUPPORT (e)		
RFB1	800	550	6-16 Φ	-	6-16 Φ	6-16 Φ	4L-12 Φ 125 C/C	-
RFB2	800	550	7-12 Φ	6-16 Φ	7-16 Φ	6-20 Φ	4L-12 Φ 100 C/C	-
RFB3	850	550	8-12 Φ	-	8-16 Φ	7-20 Φ	4L-8 Φ 200 C/C	-
RFB4	900	550	7-16 Φ	6-16 Φ	7-16 Φ	6-16 Φ	4L-10 Φ 125 C/C	-
RFB5	900	550	8-16 Φ	-	8-16 Φ	5-12 Φ	4L-8 Φ 200 C/C	-
RFB6	900	550	8-16 Φ	6-16 Φ	8-16 Φ	8-16 Φ	4L-12 Φ 100 C/C	-
RFB7	900	550	9-16 Φ	7-20 Φ	9-20 Φ	8-20 Φ	4L-12 Φ 125 C/C	-
RFB8	500	550	4-16 Φ	2-12 Φ	4-16 Φ	4-12 Φ	4L-8 Φ 125 C/C	-
RFB9	400	550	4-12 Φ	3-16 Φ	4-12 Φ	3-16 Φ	4L-8 Φ 200 C/C	-
RFB10	450	550	4-16 Φ	4-16 Φ	4-16 Φ	4-20 Φ	4L-10 Φ 150 C/C	-
RFB11	450	550	4-12 Φ	-	4-12 Φ	4-16 Φ	4L-8 Φ 200 C/C	-
RFB12	450	550	4-12 Φ	4-16 Φ	4-16 Φ	4-16 Φ	4L-8 Φ 200 C/C	-
RFB13	450	550	4-16 Φ	-	4-16 Φ	4-12 Φ	4L-8 Φ 200 C/C	-
RFB13A	450	2150	4-16 Φ	-	4-16 Φ	-	4L-8 Φ 200 C/C	12 Φ 150 C/C

SLAB MKD.	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS	550	20 Φ 125 C/C	20 Φ 125 C/C	20 Φ 125 C/C	20 Φ 125 C/C

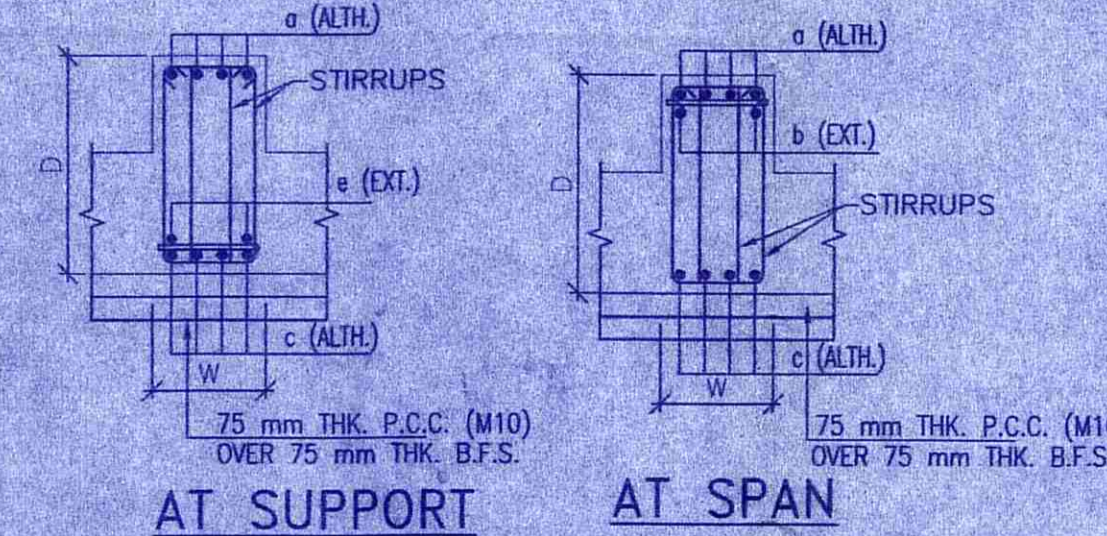


DETAIL "Y"
SCALE-N.T.S.

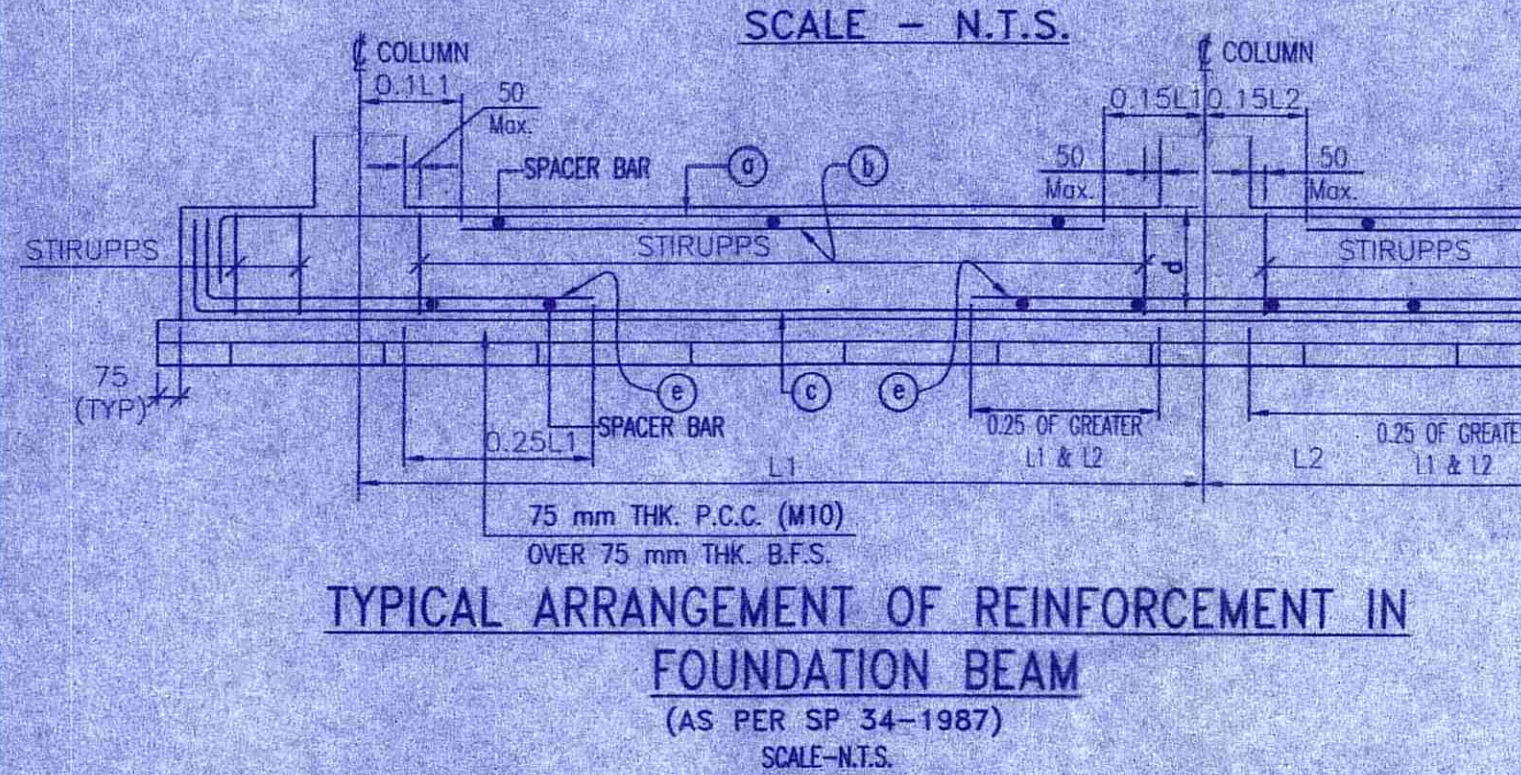
IMPORTANT NOTE:
1. THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
2. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.



SECTION -X-X
SCALE- 1:25



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



TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM
(AS PER SP 34-1987)
SCALE-N.T.S.

- 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 Φ 250 C/C.
 - CONCRETE CLEAR COVER SHALL BE AS FOLLOWS:
i) RAFT BEAM & SLAB : 50 mm
ii) SHEAR WALL : 20 mm
iii) RETAINING WALL : 50 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 GROSS SAFE BEARING CAPACITY OF THE RAFT FOUNDATION SHOWN IN THE DRAWING AT DEPTH (-)2.8m. FROM G.L. HAVE BEEN CONSIDERED 17.0 T/SQM ON THE BASIS OF SOIL REPORT PREPARED BY MR. ASIM SARKAR. THIS MUST BE ENSURED AT SITE UNDER THE SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER FOR VALIDITY OF THIS DESIGN & DRAWING.
 - THE N VALUE AS DESCRIBED UNDER NOTES OF TABLE-1 OF IS-1895 (PART-1)-2016 SHOULD BE ENSURED TO BE GREATER THAN 15 FOR VALIDITY OF THIS DESIGN AND DRAWING.

TITLE
STRUCTURAL DRAWING OF PROPOSED EIGHT (B+G+6) STORIED RESIDENTIAL APARTMENT AT PLOT DETAILS/ADDRESS : PLOT NO- R.S.-46(P) & L.R.-158,159 L.R. KHATTIAN NO-2615,2646, J.L. NO-109, MOUZA:- SHANKARPUR P.S.-NEW TOWNSHIP DURGAPUR, DIST.-PASCHIM BURDWAN, PIN - 713212

SIGNATURE OF OWNER
BUDDHADEV DEY, S/o - DAKSHINAPADA DEY
GOUTAM PAL, S/o - BHIBHUTI BHUSHAN PAL

SIGNATURE OF CONSULTANT/ARCHITECT

JUI CHATTERJEE, B.ARCH
Registration No : CA/2021/134752
Ph: 9434549399, 7559680411
13, Subharta Commercial Complex,
City Centre, Durgapur - 712016
COA REG.NO - CA/2021/134352
SIG. OF ARCHITECT

SIGNATURE OF GEOTECHNICAL ENGINEER

ASIM SARKAR
B.CE, M.E(SOIL), M.I.G.S, M.E
EUPANDEL GEOTECHNICAL ENGINEER
MBC No. GT/EO/CLAS-42

SIGNATURE OF PANCHAYET PRADHAN

Pradhan
Valid upto 18/09/2025
Valid upto 20/09/2022
Valid upto 18/09/2025
Molika Ghosh
Pradhan
Jema Gran Panchayat

SIGNATURE OF STRUCTURAL ENGINEER

SUSMITA CHOUDHURY
B.TECH (CIVIL), BHUT
ME (CONSTRUCTION)- II
BSE - H/IMPSON/180
BSE - H/IMP/09
STER/NKDA/31/0010
COVER/NKDA/10/00175
(M)-8897517321/7003201735

SIGNATURE OF THE VETTING AUTHORITY

CHECKED & VETTED
DR. DIPANKAR CHAKRAVARTY
STRUCTURAL ENGINEERING DIVISION
PROFESSOR & FORMER HEAD
CIVIL ENGINEERING DEPARTMENT
JADAVPUR UNIVERSITY
1/E (U) God Measta, 1/e, 1/e (U) God Measta, Ph.D. J.K.P.
(C) No. 03-2447-269 (U) 9301468052 & 930145701
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STRUCTURAL CONSULTANT:

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Ph - 8697517321, 7003201735

DRAWING TITLE
FOUNDATION LAYOUT PLAN AND REINF. DETAILS.
SCALE-1:100 OR AS SHOWN
DATE- 21.09.2022
SHEET NO. - 1 OF 4 SHEET SIZE - A1