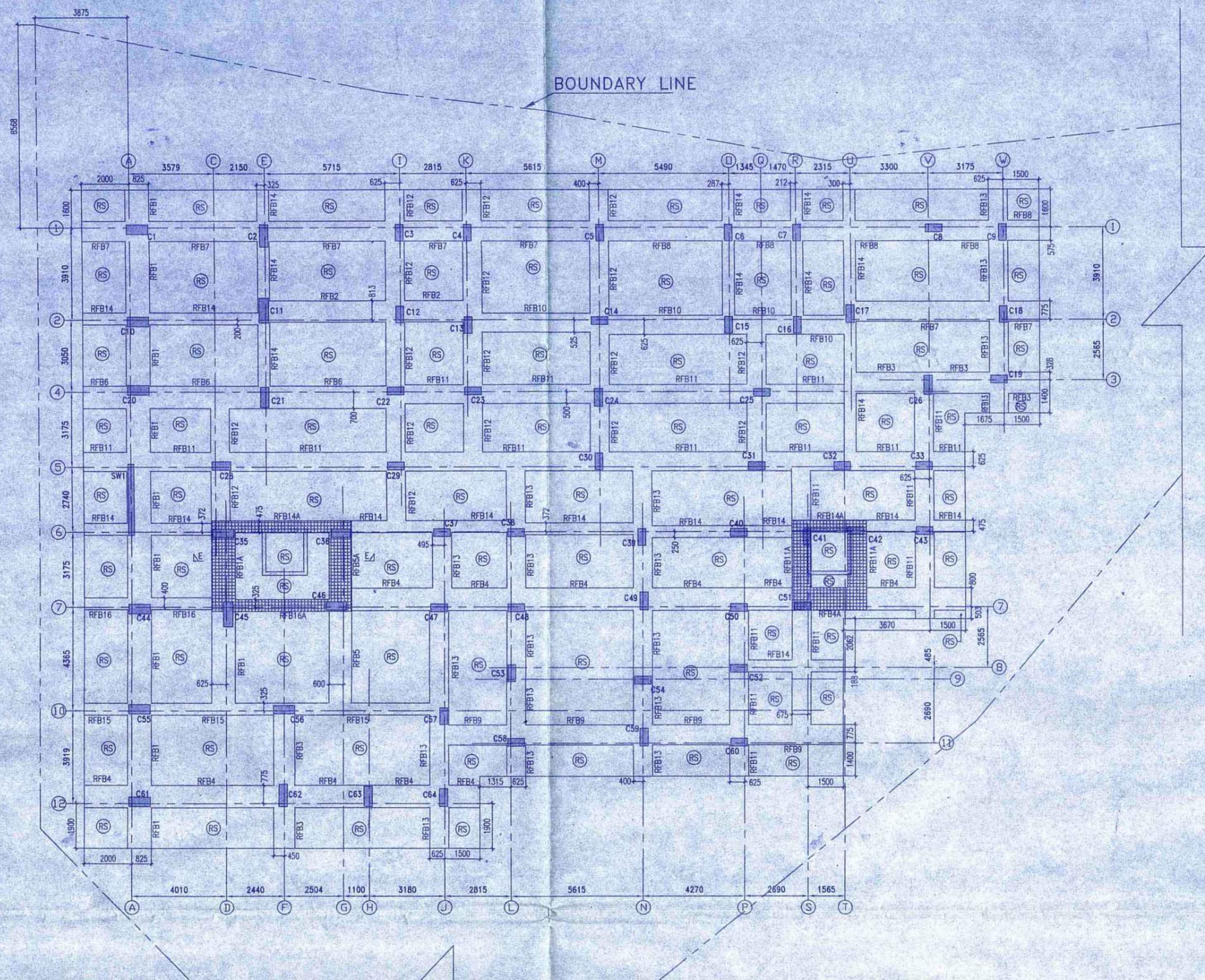
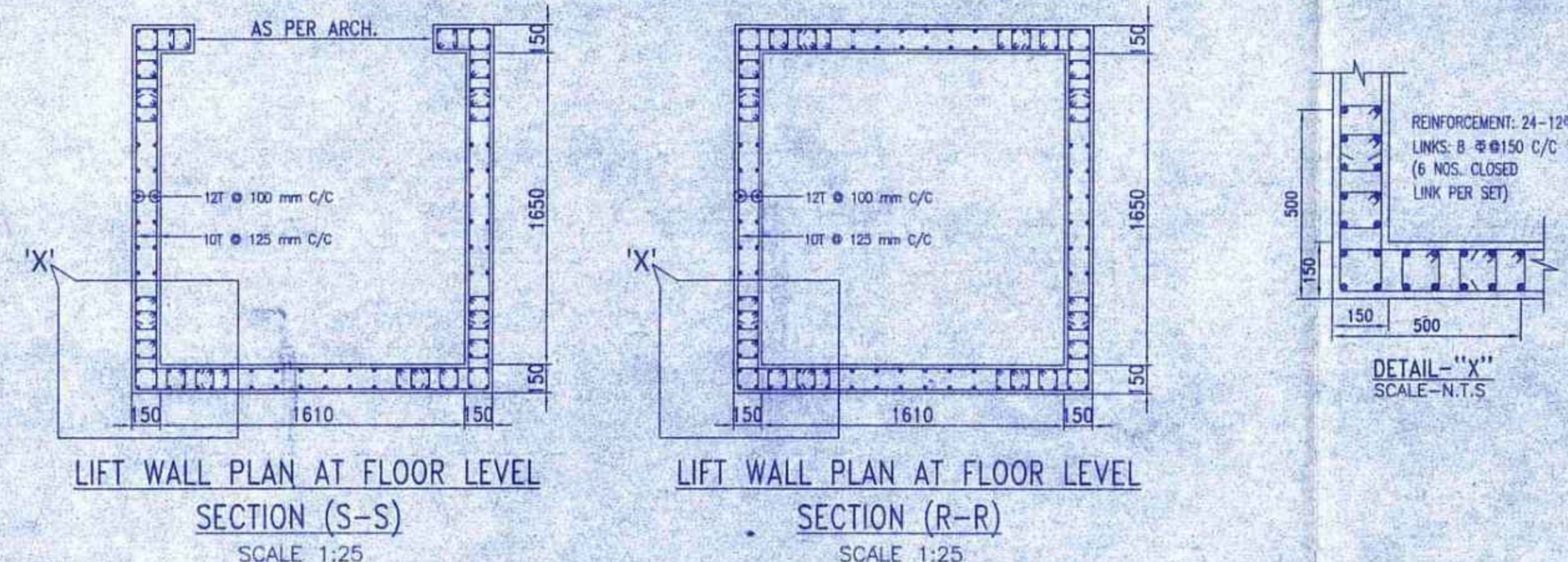
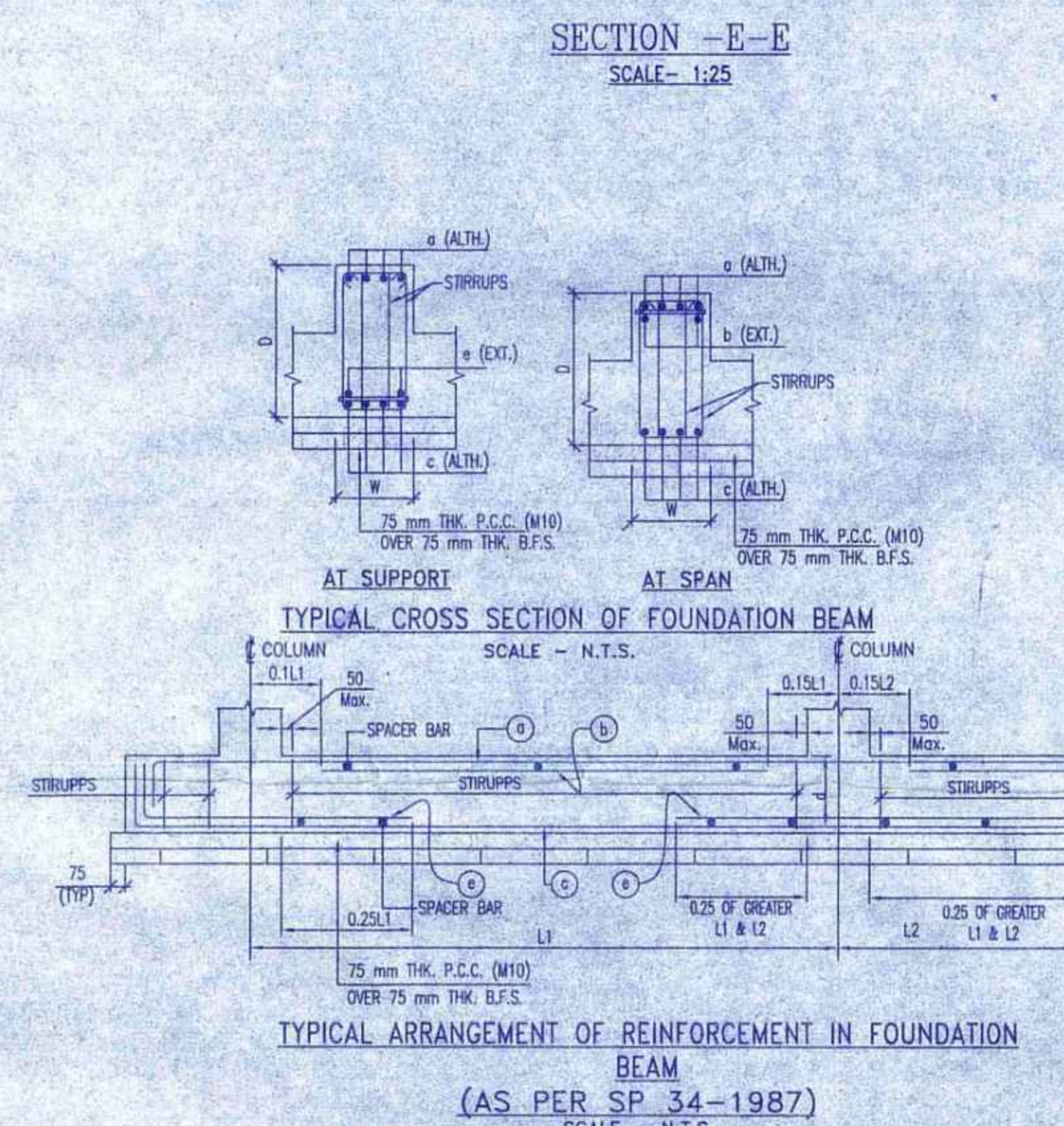
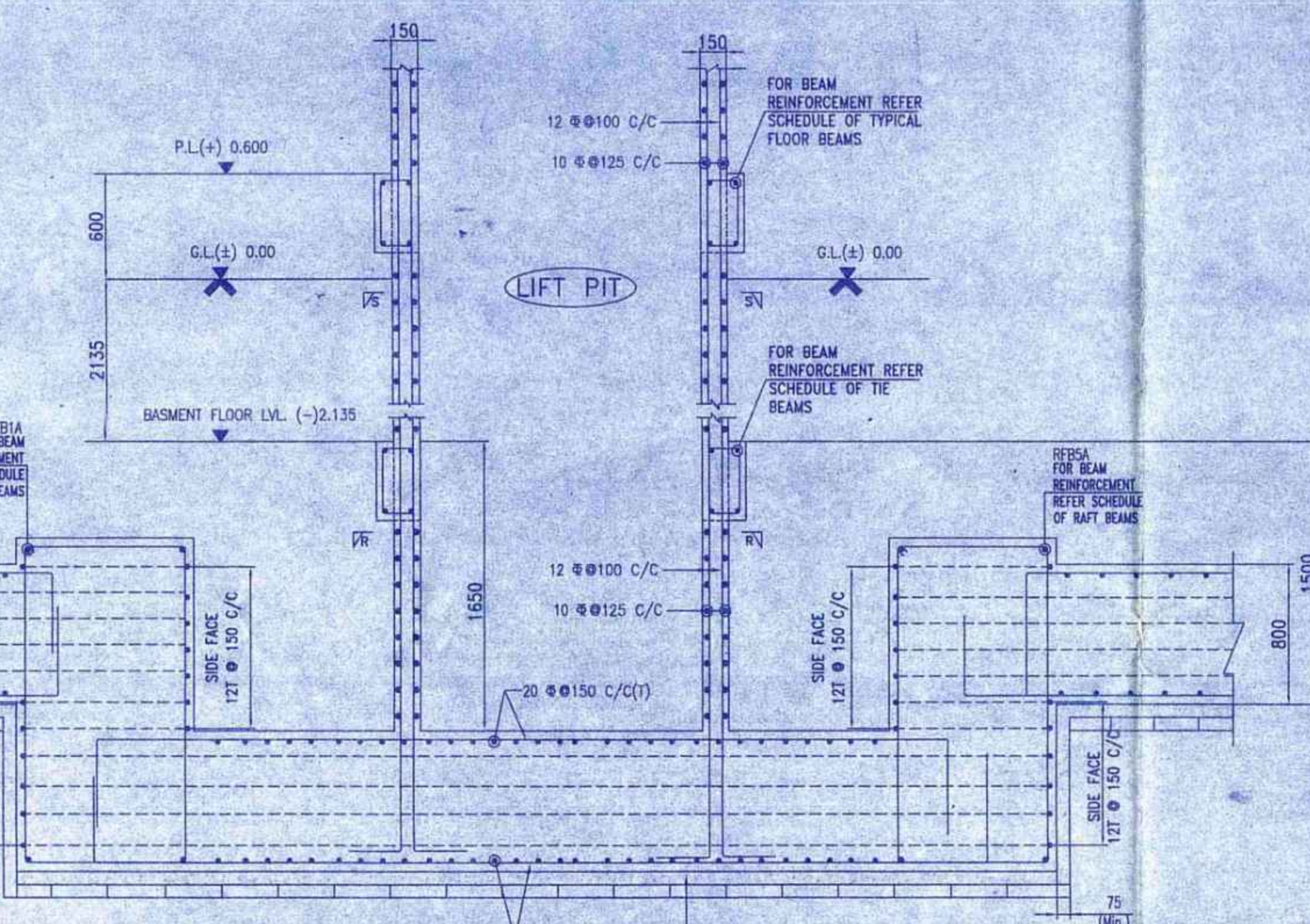




RAFT BEAM AND SLAB LAYOUT PLAN
RS MARKED SLABS ARE 800mm THICK.
RS REFERS TO RAFT SLAB.
SCALE-1:100

BEAM MARKED	BEAM SIZE WIDTH (W) DEPTH (D) (mm)	TOP REINFORCEMENT ALONG SHORTER DIRECTION EXTRA AT SPAN	BOTTOM REINFORCEMENT ALONG LONGER DIRECTION EXTRA AT SUPPORT	STIRRUPS	SIDE FACE
RB1	1000 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB2	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB3	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB4	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB5	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB6	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB7	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB8	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB9	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB10	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB11	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB12	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB13	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB14	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB15	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C
RB16	900 950	10-16 #	10-16 #	8-16 #	4L-8 # @150 C/C



SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION TOP	REINFORCEMENT ALONG LONGER DIRECTION TOP	REINFORCEMENT ALONG SHORTER DIRECTION BOTTOM	REINFORCEMENT ALONG LONGER DIRECTION BOTTOM	SIDE FACE
RS	800	20 # @150 C/C	20 # @150 C/C	20 # @150 C/C	20 # @150 C/C	12 # @150 C/C

SPECIAL NOTES:-
1. THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.
2. ALL BEAMS SPANNING GREATER THAN 5.0 M FROM GROUND FLOOR TO ROOF SHOULD BE CAST WITH A PRE-CAMBER OF 15 MM IN EACH BAY BOTH AT TOP AND BOTTOM.
3. THE STRUCTURE MUST BE CONSTRUCTED USING JAG BLOCKS FOR VALIDITY OF THESE DRAWINGS.

- 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) SHEAR WALL : 20 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 SP 34:1987.
 - THE NET SAFE BEARING CAPACITY FOR FOUNDATION AT DEPTH (-)3.655m. FROM G.L. HAS BEEN CONSIDERED 14.5 T/50sqm.
 - THE ABOVE MENTIONED BEARING CAPACITY MUST BE ENSURED AT SITE UNDER SUPERVISION OF A COMPETENT GEO-TECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING BEFORE EXECUTION.
 - 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-
STRUCTURAL DRAWING OF PROPOSED B+G+9 STORIED RESIDENTIAL BUILDING OF "SAHIL CONSTRUCTION COMPANY" OVER R.S/L.R. PLOT NO. - 340, 341,400, KHATIAN NO.- 1514, 1324, 1515, 1321, 1322, MOUZA - BANSOL, J.L. NO- 209, P.S. - DURGAPUR, DIST- PASCHIM BARDHAMAN.

SIGNATURE OF OWNER

SIGNATURE OF ARCHITECT

VIJAYA SINGH
DMC REGISTERED
LIC NO - DMC/BPO/60

SIGNATURE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF PANCHAYET PRADHAN

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF THE VETTING AUTHORITY

STRUCTURAL CONSULTANT
STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY
APARTMENT, GROUND FLOOR
96B, KALIKAPUR ROAD,
KOLKATA - 700 099
Email-structconenterprise@gmail.com
Ph.-9007714478, 7003201735

DRAWING TITLE
FOUNDATION LAYOUT PLAN WITH REINF. DETAILS.
SCALE:-1:100 OR AS SHOWN
DATE:-15.02.2024
SHEET NO.-1 OF 4 SHEET SIZE-A0