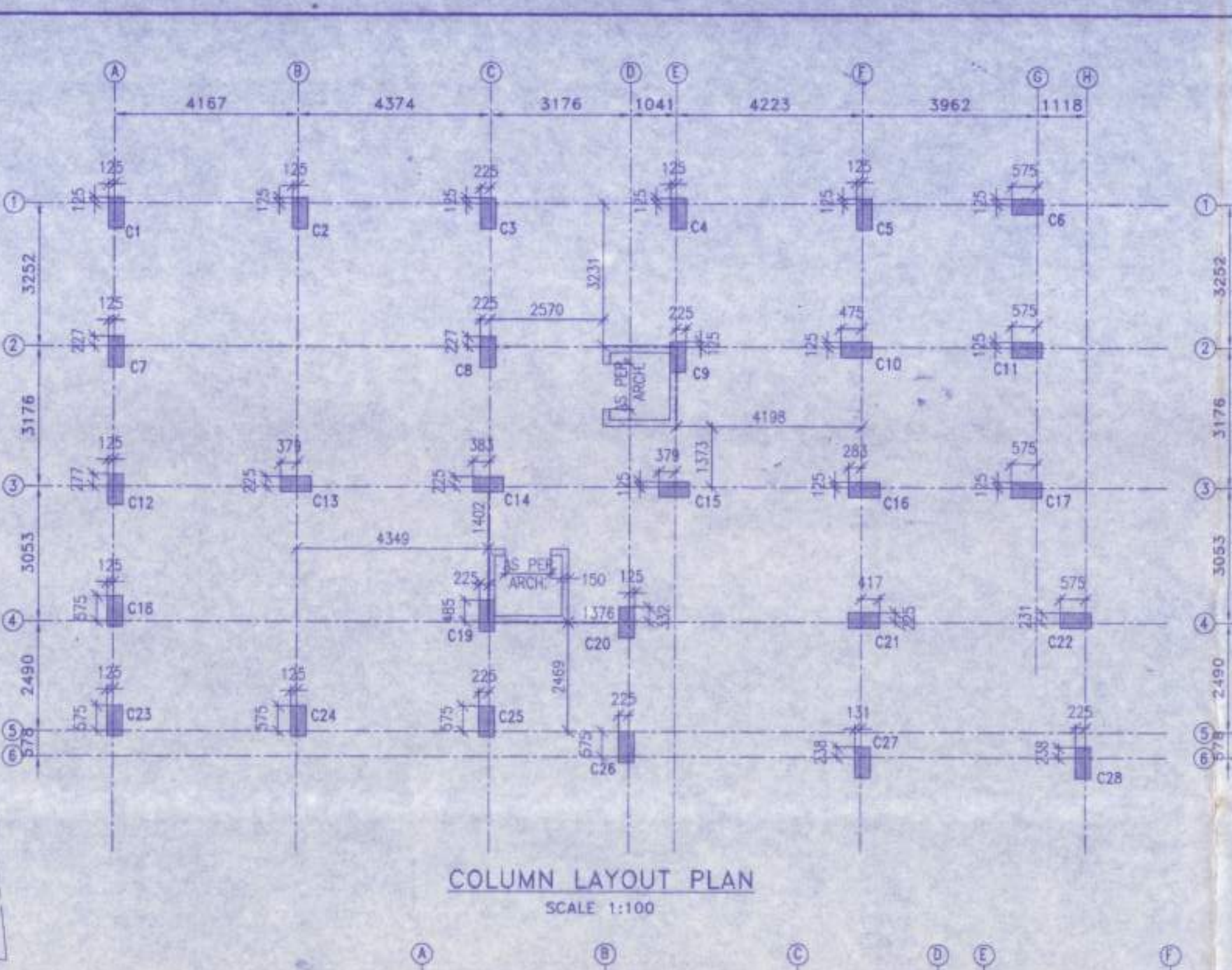
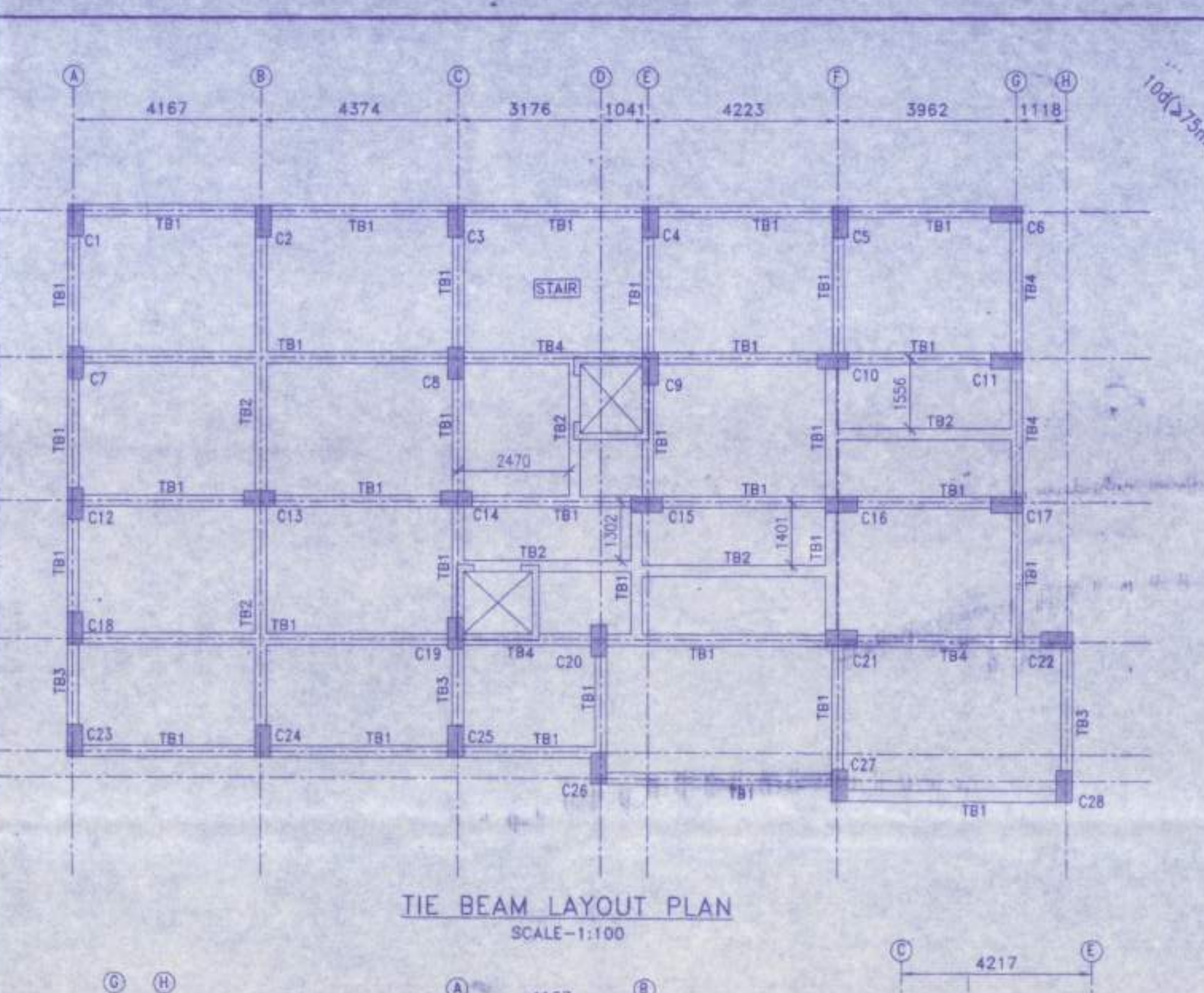


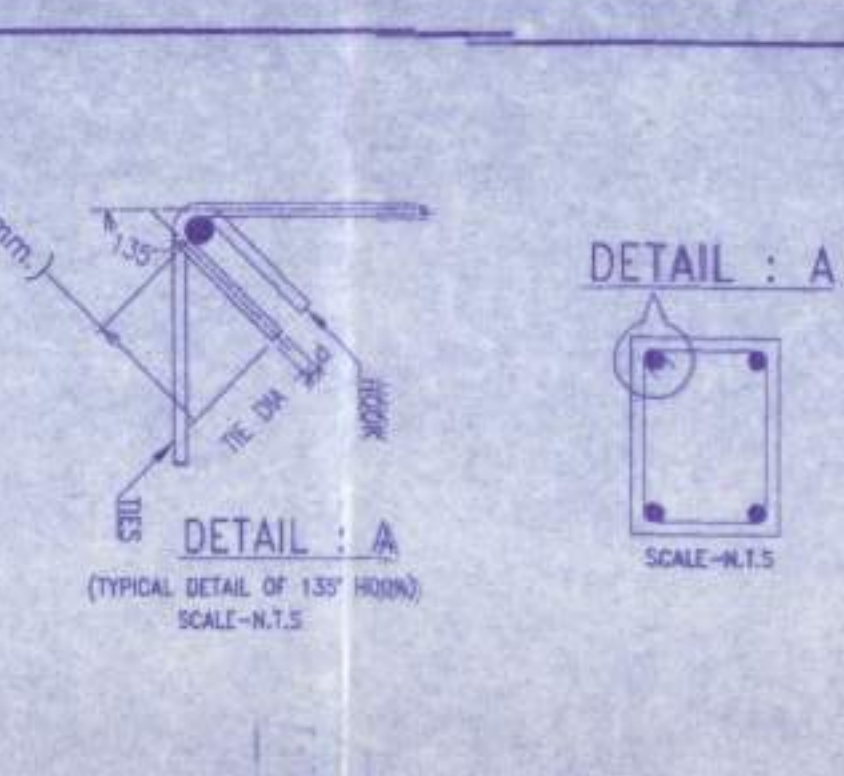
**RAFT BEAM AND SLAB LAYOUT PLAN**  
RS MARKED SLABS ARE 800mm THICK.  
RS REFERS TO FOUNDATION SLAB.  
SCALE-1:100



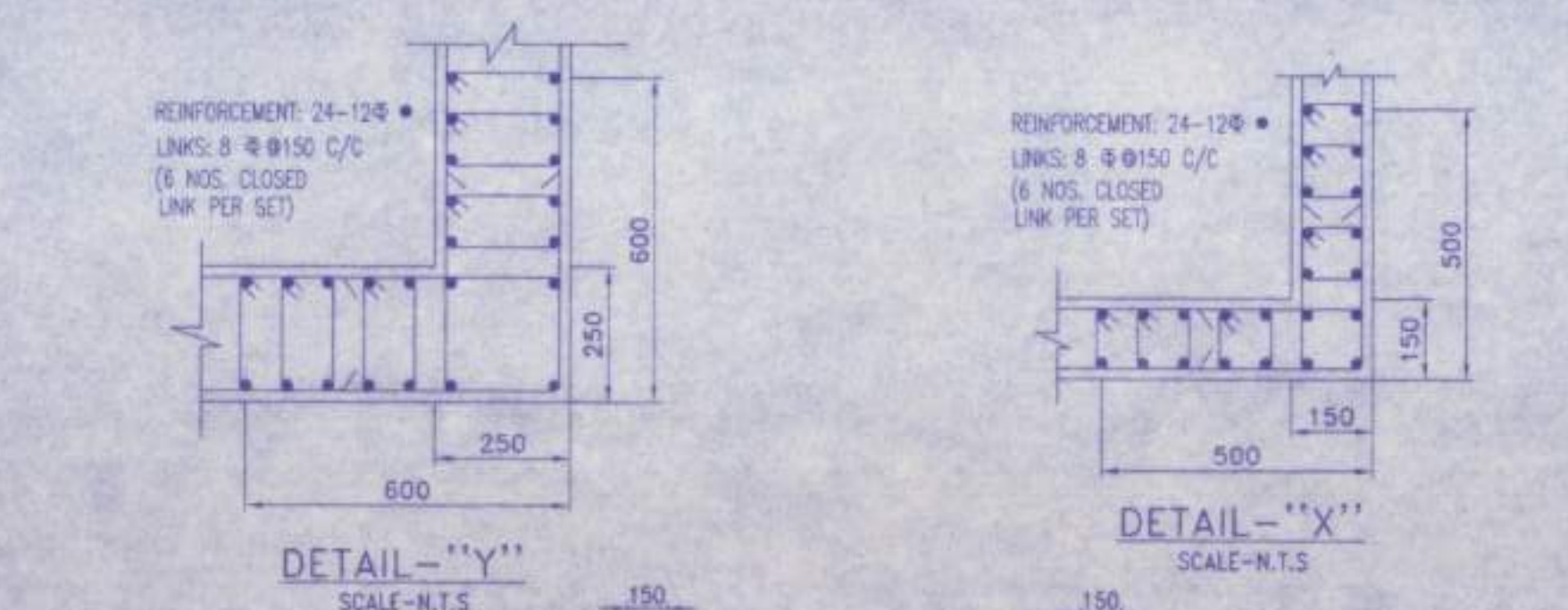
**COLUMN LAYOUT PLAN**  
SCALE-1:100



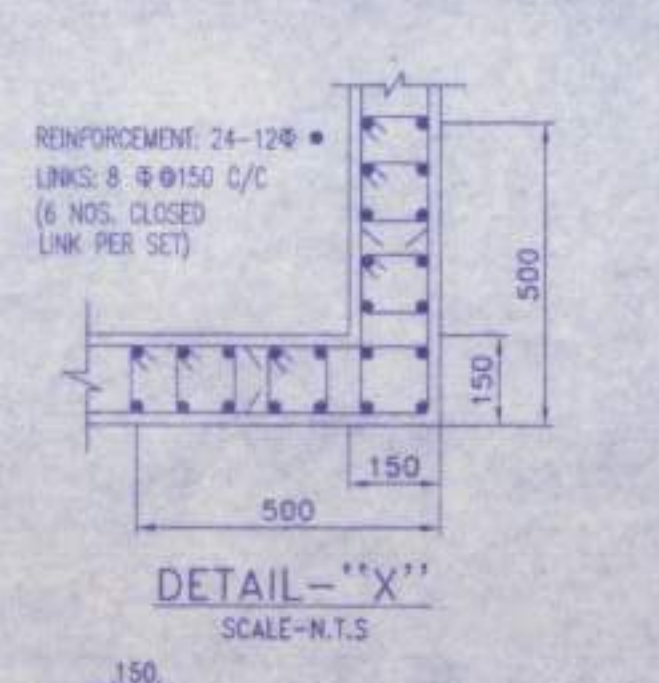
**TIE BEAM LAYOUT PLAN**  
SCALE-1:100



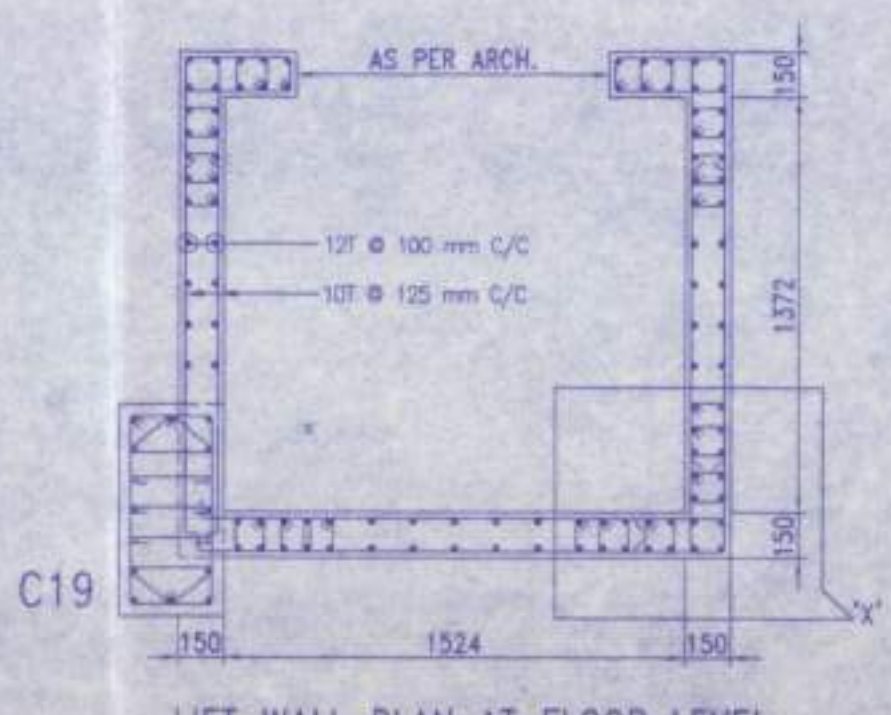
**DETAIL : A**  
SCALE-N.T.S.



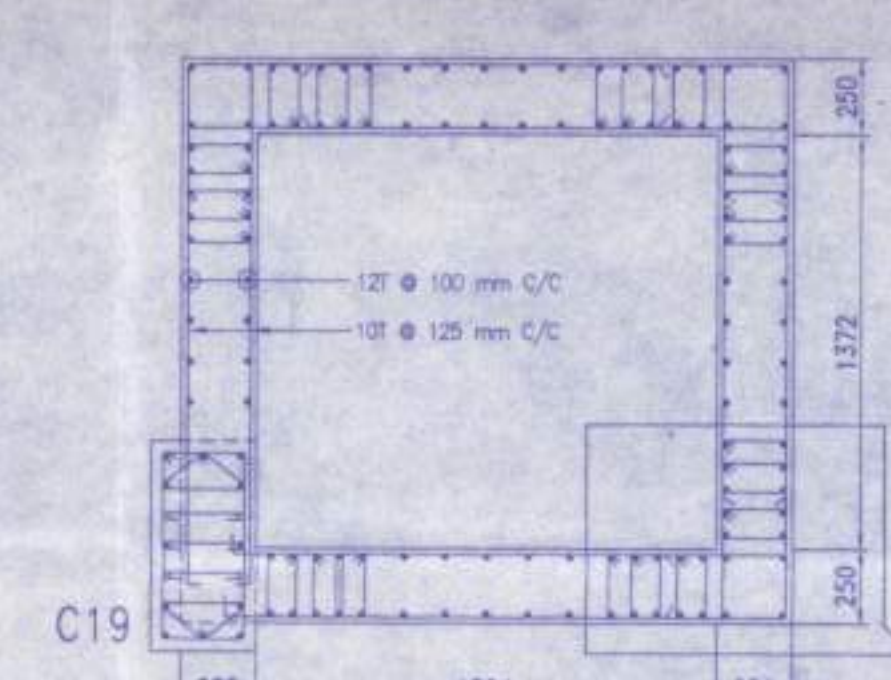
**DETAIL - 'Y'**  
SCALE-N.T.S.



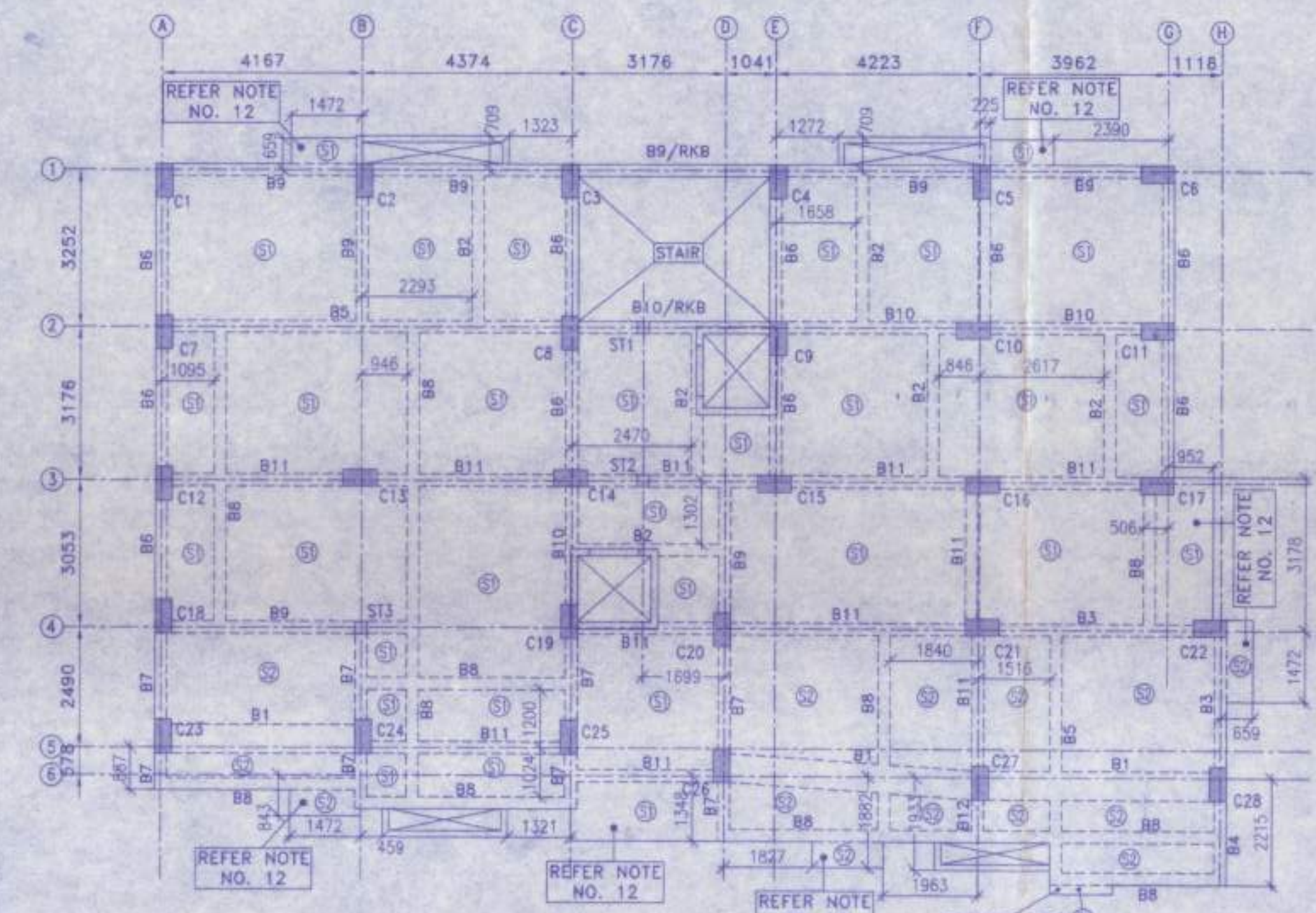
**DETAIL - 'X'**  
SCALE-N.T.S.



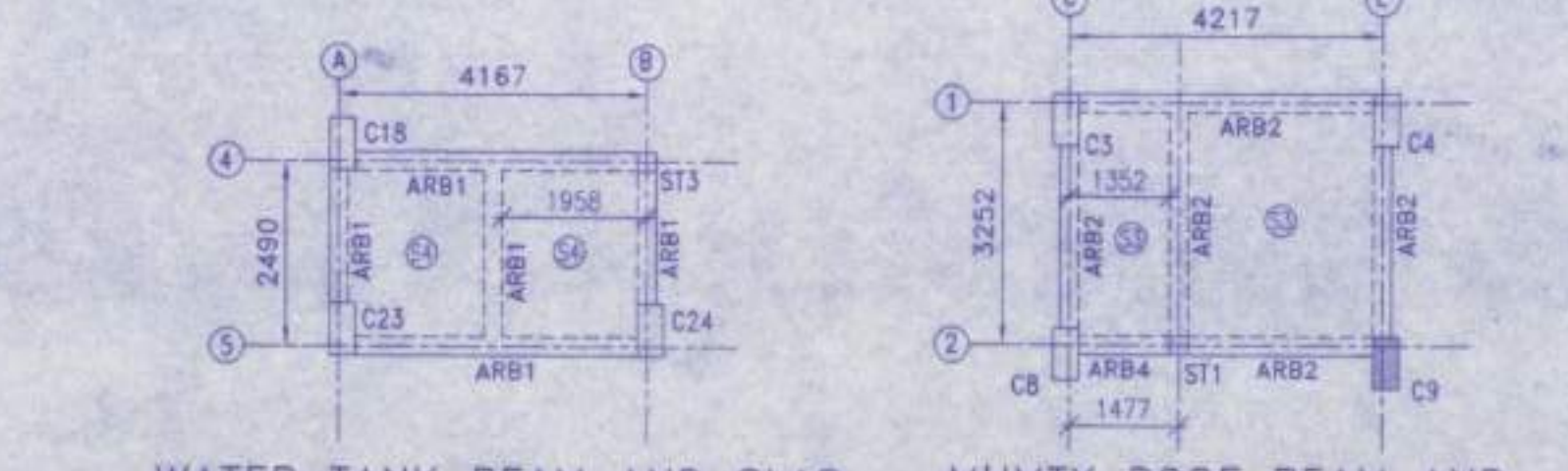
**LIFT WALL PLAN AT FLOOR LEVEL**  
SECTION (S-S)  
SCALE 1:25



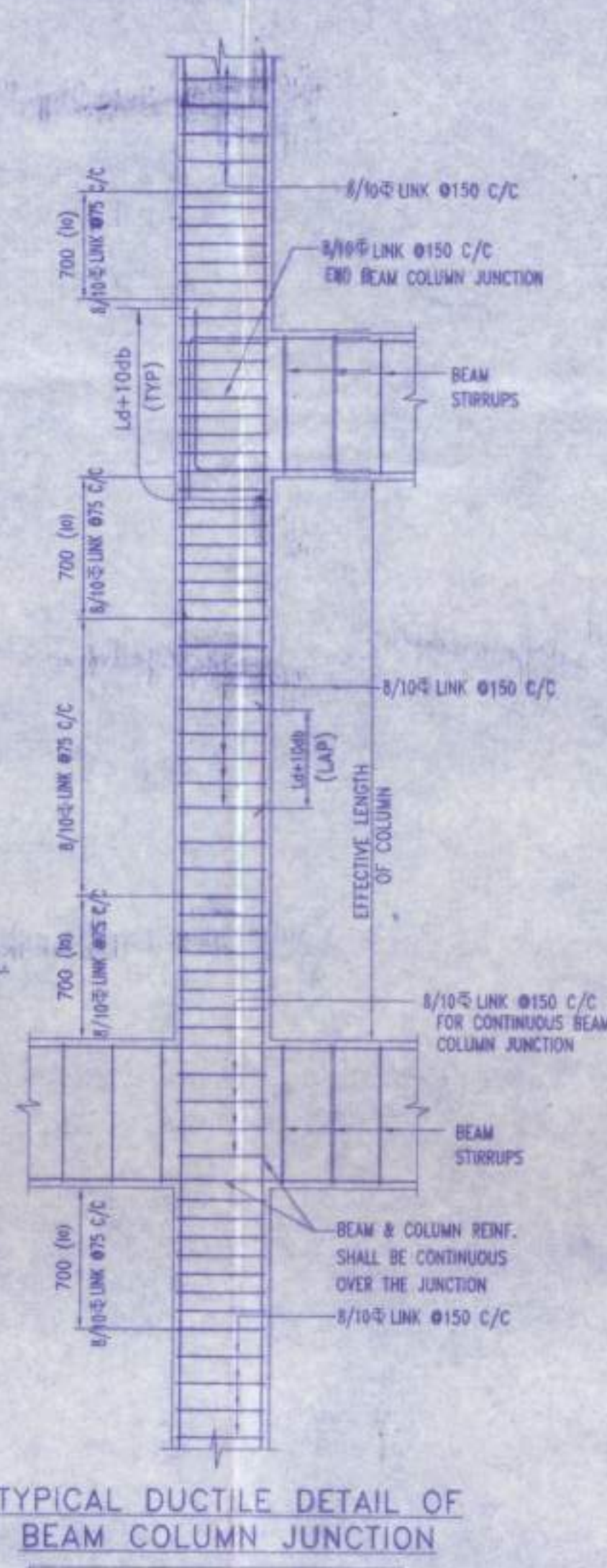
**LIFT WALL PLAN AT BASE LEVEL**  
SECTION (S-R)  
SCALE 1:25



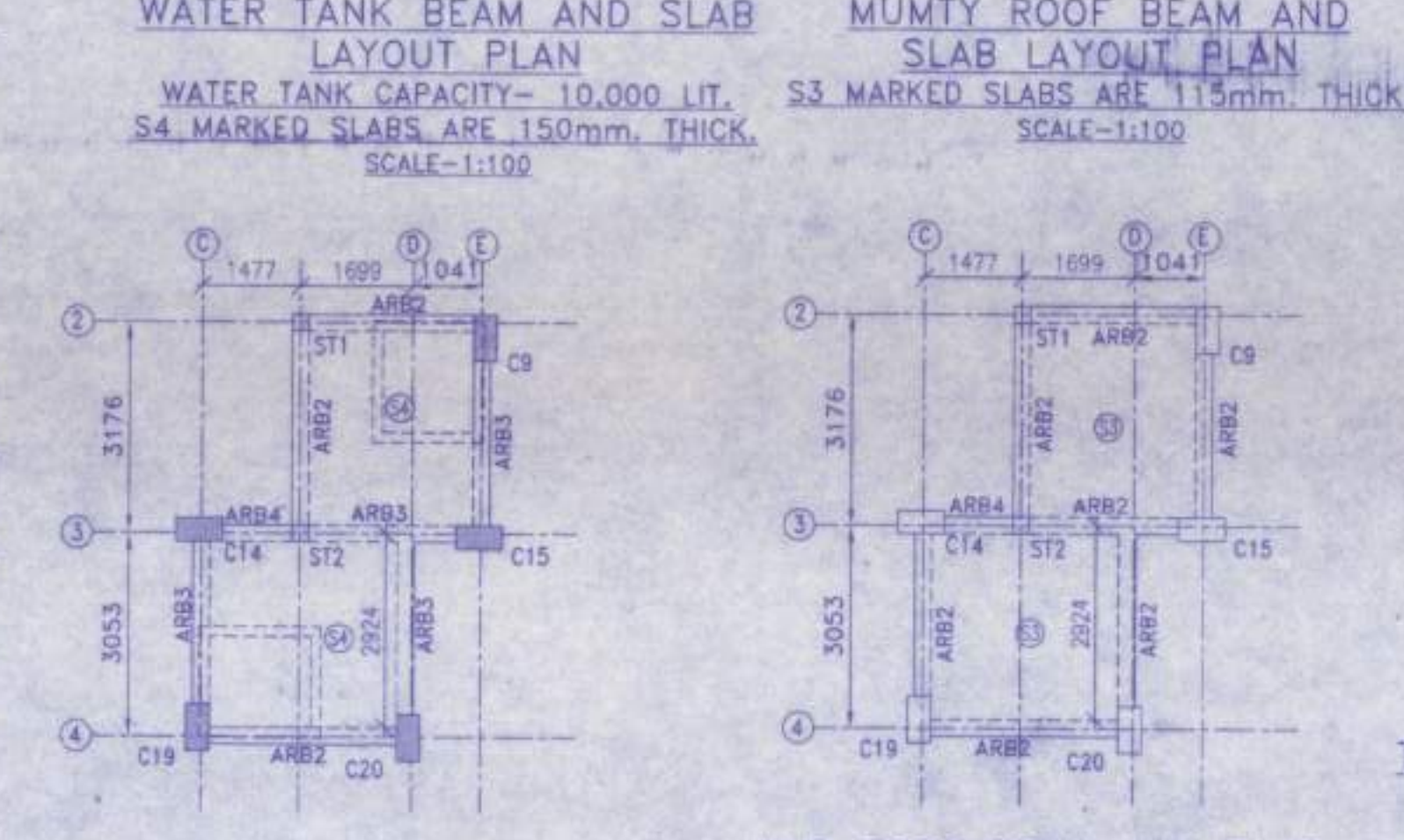
**TYPICAL FLOORS & ROOF BEAM AND SLAB LAYOUT PLAN**  
S1 MARKED SLABS ARE 115mm THICK.  
S2 MARKED SLABS ARE 150mm THICK.  
RKB REFERS TO RAKER BEAM.  
SCALE-1:100



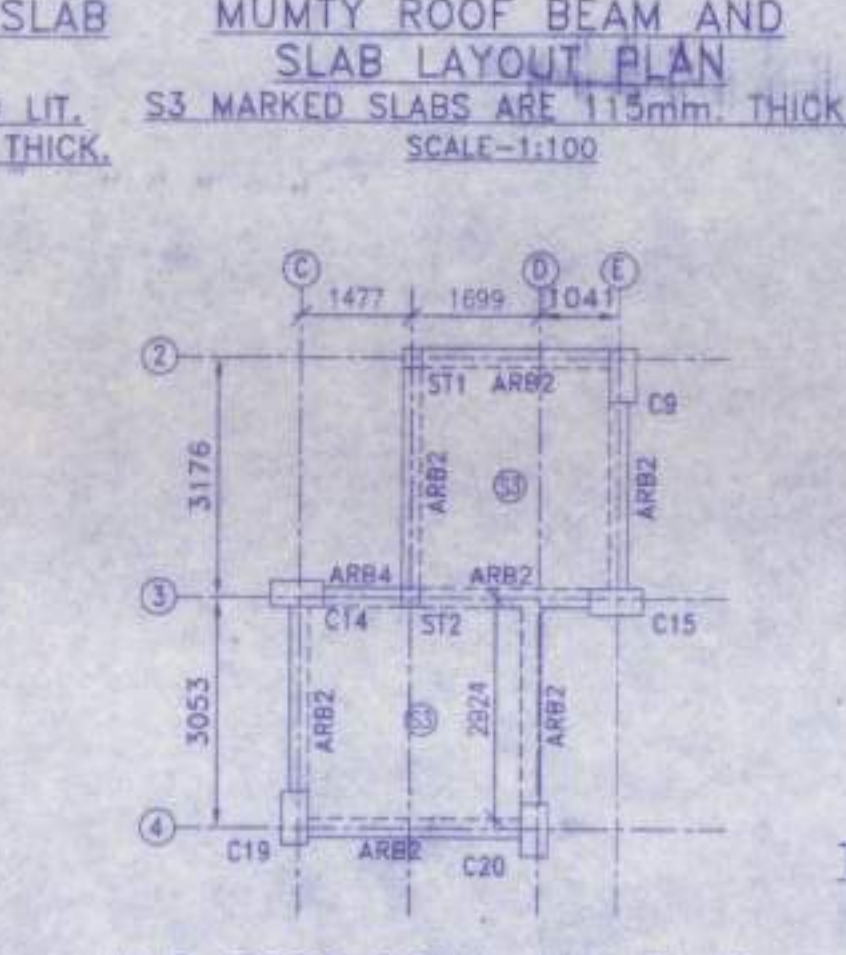
**WATER TANK BEAM AND SLAB LAYOUT PLAN**  
WATER TANK CAPACITY - 10,000 LIT.  
S4 MARKED SLABS ARE 150mm THICK.  
SCALE-1:100



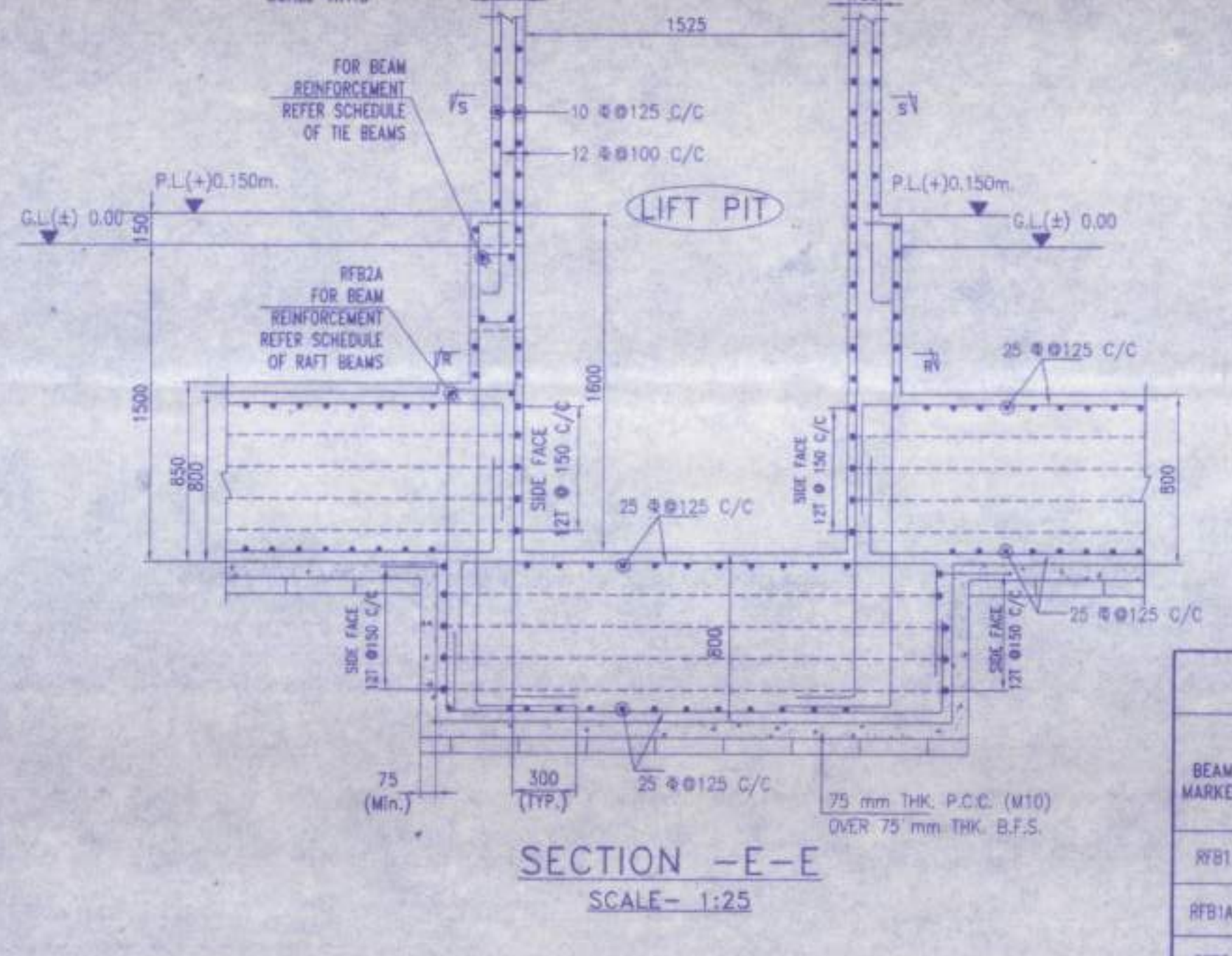
**TYPICAL DUCTILE DETAIL OF BEAM COLUMN JOINT**  
SCALE-N.T.S.



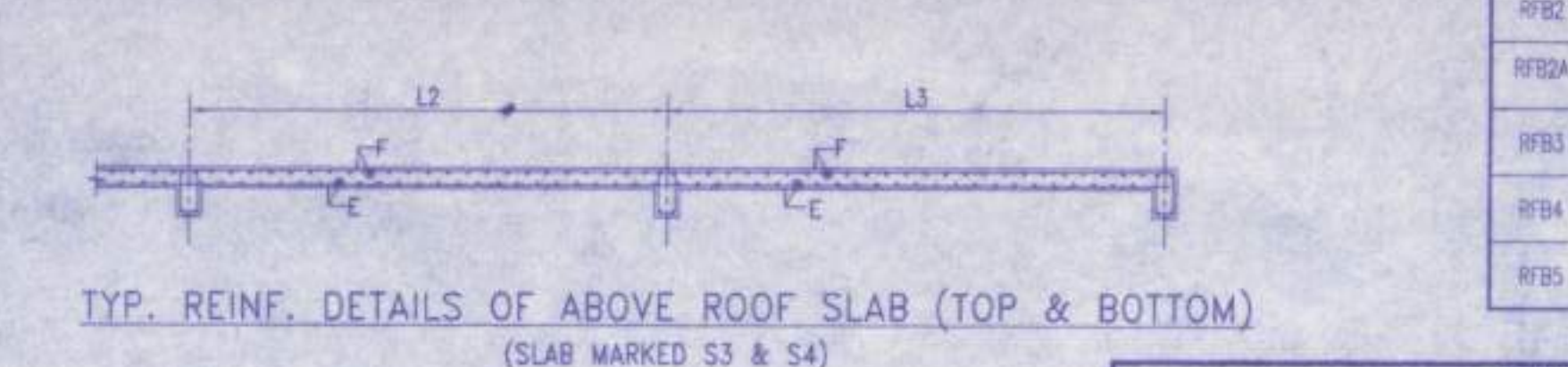
**LMR FLOOR BEAM AND SLAB LAYOUT PLAN**  
S4 MARKED SLABS ARE 150mm THICK.  
SCALE-1:100



**LMR ROOF BEAM AND SLAB LAYOUT PLAN**  
S3 MARKED SLABS ARE 115mm THICK.  
SCALE-1:100



**SECTION - E-E**  
SCALE-1:25



**TYP. REINF. DETAILS OF ABOVE ROOF SLAB (TOP & BOTTOM)**  
(SLAB MARKED S3 & S4)  
SCALE-N.T.S.

BEAM MARKED	BEAM SIZE (mm)	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	STIRRUPS	SIDE FACE
RFB1	450 x 800	4-16 @ 150	4-16 @ 150	4-8 @ 200 C/C	17 @ 150 C/C
RFB2	450 x 800	4-16 @ 150	4-16 @ 150	4-8 @ 200 C/C	17 @ 150 C/C
RFB3	450 x 800	4-16 @ 150	4-16 @ 150	4-8 @ 200 C/C	17 @ 150 C/C
RFB4	450 x 800	4-16 @ 150	4-16 @ 150	4-8 @ 200 C/C	17 @ 150 C/C
RFB5	450 x 800	4-16 @ 150	4-16 @ 150	4-8 @ 200 C/C	17 @ 150 C/C

COLUMN MARKED	NOS. OF COLUMNS	ROOF TO ABOVE ROOF	STIRRUP ARRANGEMENT & SPACING
S1, S2	03	250x250	8-8 @ 150 C/C (1 NO. CLOSED LINK)

BEAM MARKED	BEAM SIZE (mm)	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
ARB1	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
ARB2	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
ARB3	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
ARB4	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C

BEAM MARKED	BEAM SIZE (mm)	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
TB1	250 x 400	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
TB2	250 x 400	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
TB3	250 x 400	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
TB4	250 x 400	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C

BEAM MARKED	BEAM SIZE (mm)	TOP REINFORCEMENT	BOTTOM REINFORCEMENT	STIRRUPS (AT SUPPORT)	STIRRUPS (AT SPAN)
B1	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B2	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B3	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B4	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B5	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B6	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B7	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B8	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B9	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B10	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B11	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
B12	250 x 450	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C
RKB	250 x 500	3-12 @ 150	3-12 @ 150	2L-8 @ 200 C/C	2L-8 @ 200 C/C

BAR MKD.	REINFORCEMENT	POSITION
A	8 @ 150 mm C/C (ALL THROUGH)	BOT.
B	8 @ 150 mm C/C (ALL THROUGH)	BOT.
C	8 @ 150 mm C/C (CURTAINMENT)	TOP
D (BINDER)	8 @ 200 mm C/C (WHEREVER REQUIRED)	TOP

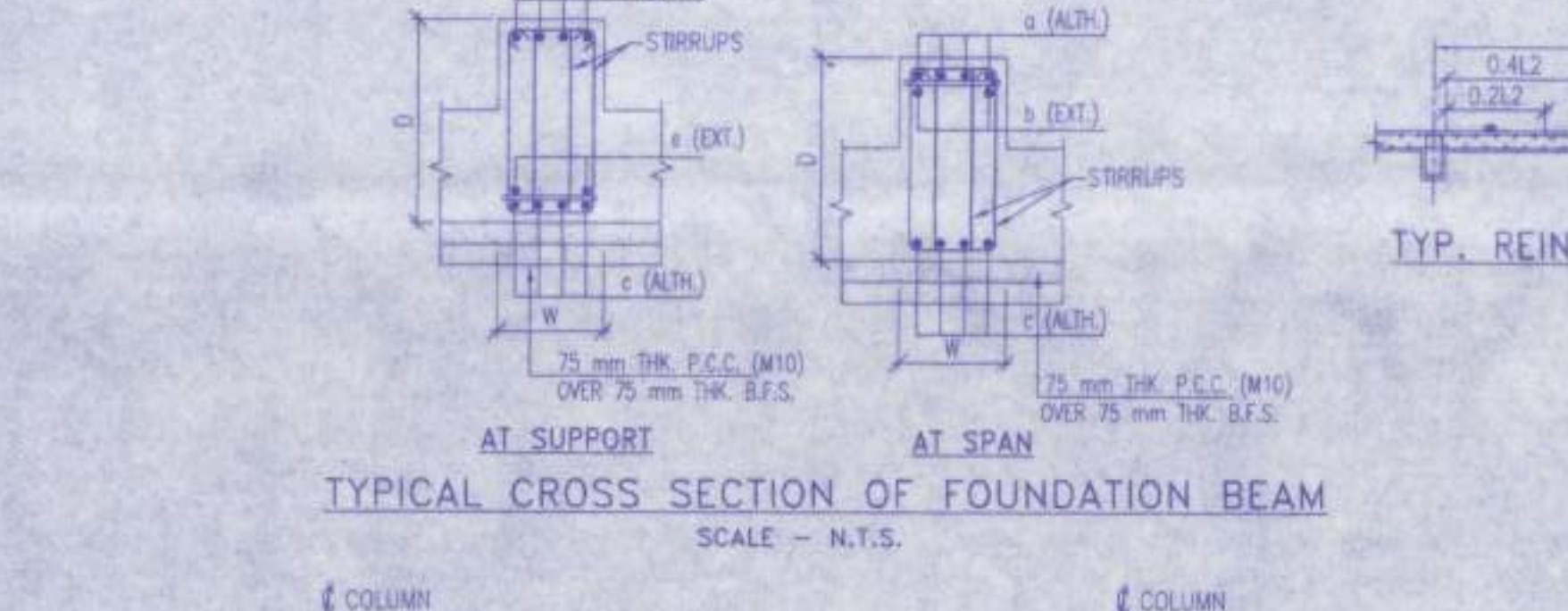
BAR MKD.	REINFORCEMENT	POSITION
E	10 @ 200 mm C/C (ALL THROUGH)	BOT.
F	10 @ 200 mm C/C (ALL THROUGH)	TOP

BAR MKD.	REINFORCEMENT	POSITION
E	8 @ 150 mm C/C (ALL THROUGH)	BOT.
F	8 @ 150 mm C/C (ALL THROUGH)	BOT.

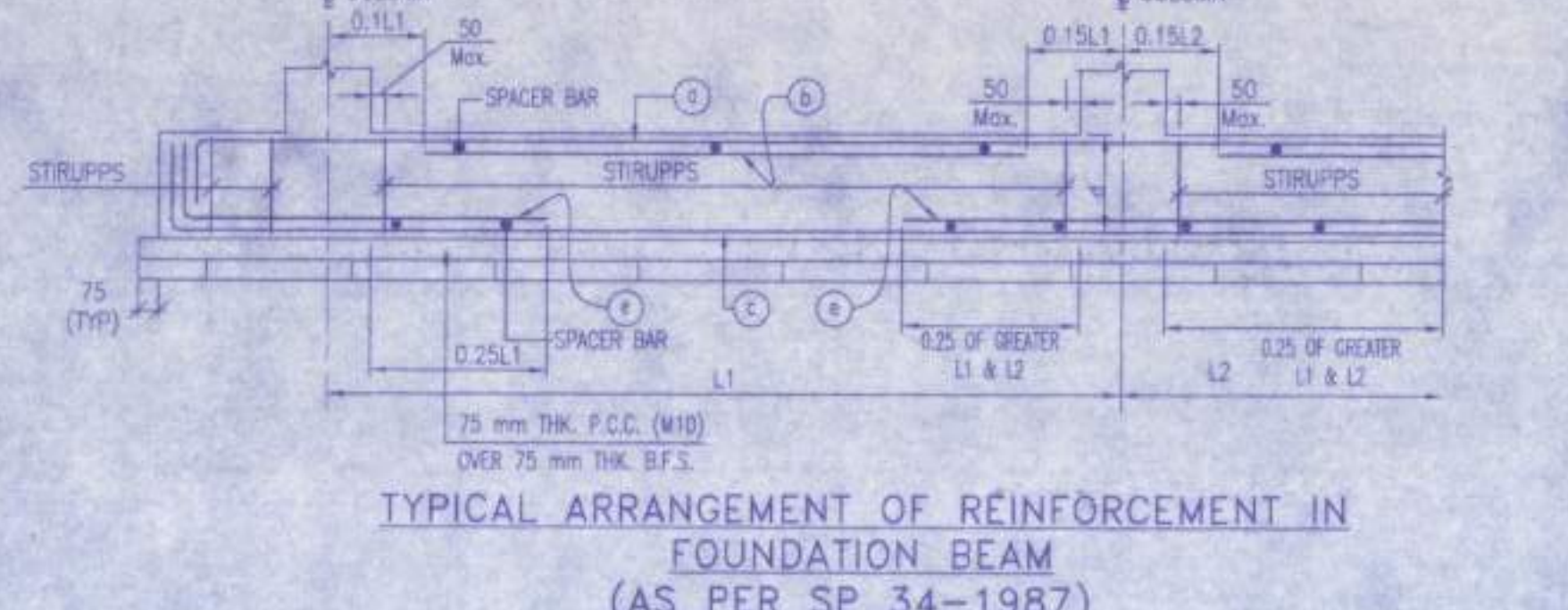
SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION	REINFORCEMENT ALONG LONGER DIRECTION	SIDE FACE
RS	800	25 @ 125 C/C	25 @ 125 C/C	12 @ 150 C/C

**IMPORTANT NOTE:-**  
THE GENERAL ARRANGEMENT AND REINFORCEMENT DETAILS BY THE EXISTING PORTION HAVE BEEN TAKEN AS CLIENT'S INPUT WITHOUT VERIFICATION MUST BE CHECKED AT SITE BEFORE EXECUTION FOR VALIDITY OF THIS DRAWING.

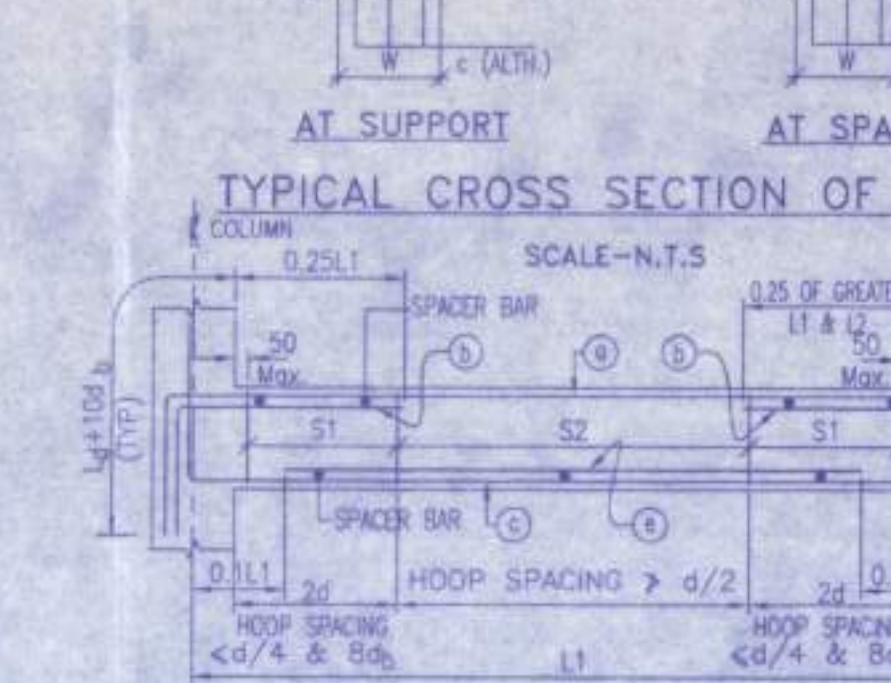
- SPECIAL NOTES:-**
- THIS STRUCTURAL DRAWING IS VALID IF THE CONSTRUCTION IS DONE USING AAC BLOCKS FOLLOWING PROPER DIMENSION OF EXTERNAL AND INTERNAL WALLS AS PER ARCHITECTURAL DRAWING.
  - THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.
  - ALL BEAMS SPANNING GREATER THAN 5.0 M FROM 1ST FLOOR TO ROOF SHOULD BE CAST WITH A PRE CAMBER OF 20 MM IN EACH BAY BOTH AT TOP AND BOTTOM.
  - FOR ALL CANTILEVER BEAMS PROVIDE UPWARD PRE-CAMBER OF 20mm AT TOP.



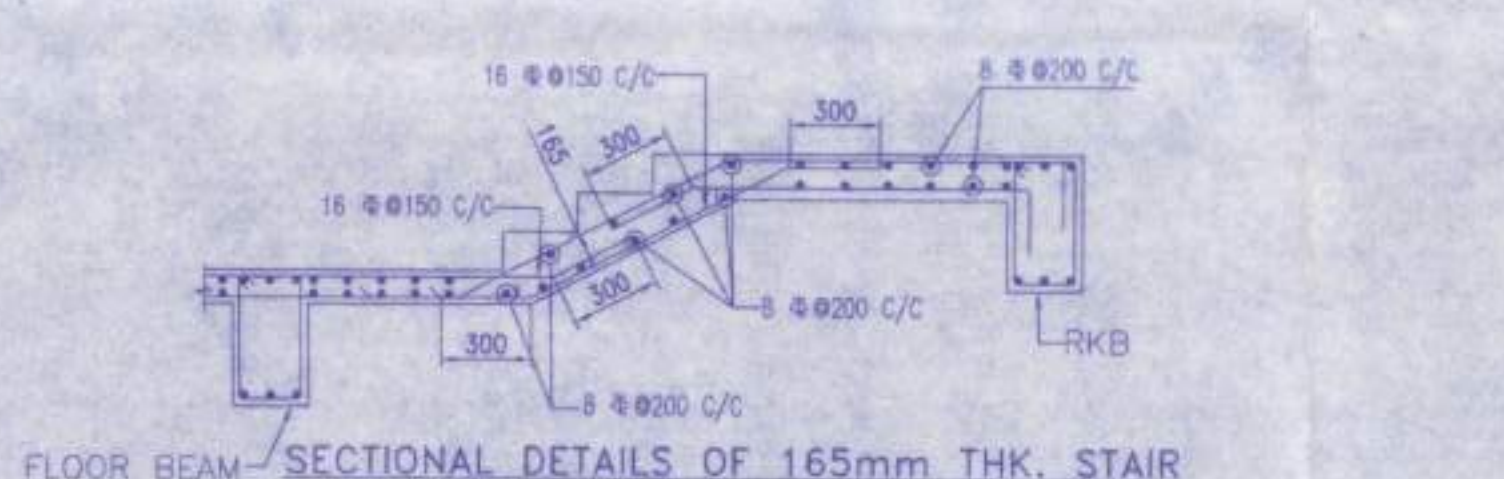
**TYP. REINF. DETAILS OF FLOOR SLAB (TOP & BOTTOM)**  
(SLAB MARKED S1 & S2)  
SCALE - N.T.S.



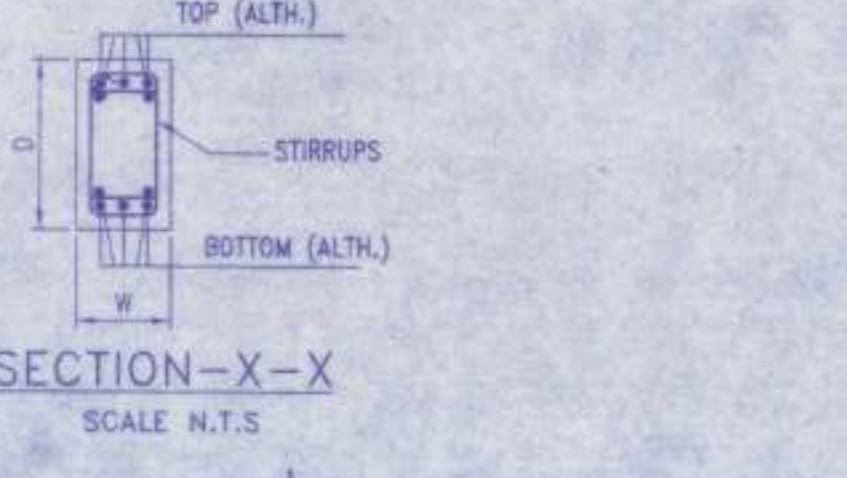
**TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM (AS PER SP 34-1987)**  
SCALE - N.T.S.



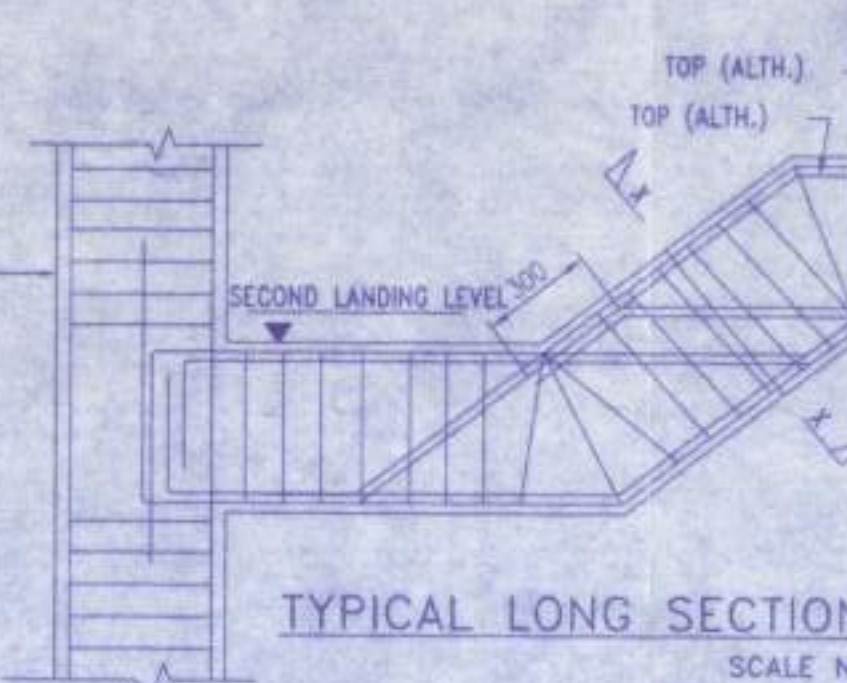
**TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM**  
SCALE-N.T.S.



**FLOOR BEAM SECTIONAL DETAILS OF 165mm THK. STAIR WAIST SLAB**  
SCALE N.T.S.



**SECTION - X-X**  
SCALE N.T.S.



**TYPICAL LONG SECTION OF RAKER BEAM**  
SCALE N.T.S.

COLUMN MARKED	NOS. OF COLUMNS	FOUNDATION TO 4TH FLOOR	4TH FLOOR TO ROOF/ABOVE ROOF	STIRRUP ARRANGEMENT & SPACING	REST PORTION
C2, C3, C4, C7, C8, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26	20	350x700	350	8 @ 150 C/C (1 NO. CLOSED LINK) (1 NO. OPEN LINK)	8 @ 150 C/C (1 NO. CLOSED LINK) (1 NO. OPEN LINK)
C1, C4, C6, C9, C22, C24, C27, C28	08	350x700	350	10 @ 150 C/C (1 NO. CLOSED LINK) (1 NO. OPEN LINK)	10 @ 150 C/C (1 NO. CLOSED LINK) (1 NO. OPEN LINK)

- 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).
  - 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-500/5000 CONFORMING TO IS-1786-2008.
  - UNLESS OTHERWISE STATED LAP LENGTH OF BARS SHALL BE EQUAL TO THE DEVELOPMENT LENGTH = 50BAR DIA.
  - CONCRETE NOMINAL COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:  
I) COLUMNS : 40 mm  
II) BEAMS : 30 mm  
III) SLABS : 20 mm  
IV) WAIST SLAB : 20 mm  
V) RAFT BEAM & SLAB : 50 mm
  - GRADE OF CONCRETE FOR SUPERSTRUCTURE  
(I) SUPER STRUCTURE - UPTO AND INCLUDING 4TH FLOOR WILL BE OF M30 AND ABOVE THAT WILL BE OF M25 AS PER IS:456:2000.  
(II) SUBSTRUCTURE - M25 AS PER IS:456:2000
  - VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
  - DEVELOPMENT LENGTH 50XD FOR LAP & SPLICES SHOULD BE PROVIDED AS PER THE PROVISIONS LAID DOWN IN SP34:1987
  - WHEREVER A SUPPORTED MEMBER TERMINATES AT A SUPPORTING MEMBER THE BARS OF THE SUPPORTED MEMBER SHOULD HAVE AN ANCHORAGE OF 60D IN THE SUPPORTING MEMBER.
  - WHEN TWO BEAMS MEET AT A COLUMN LOCATION ALONG THE SAME LINE THE HIGHER REINFORCEMENT AT THE TOP SHOULD BE CONTINUED AT BOTH SIDE.
  - ALL CANTILEVER SLAB WITHOUT PERIPHERAL BEAMS THE TOP REINFORCEMENT PARALLEL TO THE CANTILEVER SPAN SHOULD BE CONTINUED UPTO ATLEAST 1.5 TIMES THE CANTILEVER SPAN WITHIN THE ADJACENT SLAB.
  - THE NET SAFE BEARING CAPACITY CONSIDERED 11.9 T/SQ.M FOR RAFT FOUNDATION AT DEPTH (-)1.5m. FROM CL. HAS BEEN IN TUNE WITH THE SOIL REPORT PREPARED BY ACUMEN GEO CONSULTANTS (DR. SANTOSH KUMAR CHAKRABORTY).
  - THE ABOVE MENTIONED BEARING CAPACITY MUST BE ENSURED AT SITE UNDER SUPERVISION OF A COMPETENT GEOTECHNICAL ENGINEER FOR VALIDITY OF THIS DRAWING.
  - THE N.W.A.C. AS DESCRIBED UNDER NOTES OF TABLE-I OF IS-10883(PART-1)-2016 SHOULD BE ENSURED TO BE GREATER THAN 15 FOR VALIDITY OF THIS DESIGN AND DRAWING.

**TITLE:-**  
STRUCTURAL DRAWING OF PROPOSED FIFTH FLOOR SIXTH FLOOR SEVENTH FLOOR AND EIGHTH FLOOR EXISTING & ALREADY SANCTIONED G+4 STORIED RESIDENTIAL BUILDING OF 1) SHARMISTHA PAL W/O- SCUMITRA BISWAS, 2) SANJUKTA PAL MONDAL W/O- SABYASACHI MONDAL, 3) SANGHAMITRA GHOSAL W/O- SANKAR PRASAD GHOSAL, 4) SAMADRITA PAL D/O- LATE SASANKA SEKHAR PAL, 5) ARATI PAL W/O- LATE MRIGANKA SEKHAR PAL, 6) ANIRBAN PAL S/O- LATE MRIGANKA SEKHAR PAL AT MOUZA - KAMARARA, J.L. NO.- 187, R.S. PLOT NO.- 102/908 (PART), I.R. PLOT NO.- 405 (PART) IN HOLDING NO. 1110, AT STREET- RAJA BAZAR WARD NO- 9, P.S.- MEDINIPUR, DIST.- PASCHIM MEDINIPUR, UNDER MUNICIPALITY EXECUTORS, ADMINISTRATOR & ASSIGN IN FAVOUR OF M/S MITRO DEVELOPERS LLP PROP.- 1) SRI ANKUR LODHA, S/O.- LATE KAMAL KISHORE LODHA, 2) SMT. KIRTI LODHA, W/O.- SRI ANKUR LODHA, OF P.O.-P.S.- SALBONI, PIN.- 721147, DIST.- PASCHIM MIDNAPORE.

**SIGNATURE OF OWNER**  
MITRO DEVELOPERS LLP  
Kirti Lodha  
PARTNER

**SIGNATURE OF ARCHITECT**  
Patriali Pal  
AR. PATRIALI PAL  
CAPS/16012  
LBA-RMC

**SIGNATURE OF GEO-TECHNICAL ENGINEER**

**SIGNATURE OF STRUCTURAL ENGINEER**  
DR. SANTOSH KUMAR CHAKRABORTY  
P.L.D. (Civil Engineering)  
I.S.T.E. (I) (SALE) (London)  
The Kolkata Municipal Corporation  
Member I.C.T.I (I)  
Consulting Geotechnical Engineer

**SIGNATURE OF THE VETTING AUTHORITY**  
DR. SANTOSH KUMAR CHAKRABORTY  
P.L.D. (Civil Engineering)  
I.S.T.E. (I) (SALE) (London)  
The Kolkata Municipal Corporation  
Member I.C.T.I (I)  
Consulting Geotechnical Engineer

**DRAWING TITLE**  
FOUNDATION, BEAM, COLUMN, SLAB LAYOUT PLAN WITH REINF. DETAILS.  
SCALE-1:100 OR AS SHOWN  
DATE-04.03.2024  
SHEET NO.- 1 OF 1  
SHEET SIZE- A0



P.W. NO.- 09  
DATE - 16/04/2024

The builder or the Owner will not resort to manual scavenging by engaging sanitation workers for cleaning of septic tank of proposed building

Application of Amkur Lodha & others

P.W. No. 09 Dt. 16/04/24 for G+6 storied

of Building for Residential cum Commercial

(Purpose) Examined the application & with specification also held spot enquiry  
Sanction to the building plan may be accorded with permission to execute the work

Date:-



*[Signature]*  
16/4/24  
Sub Asstt Engineer  
Midnapore Municipality  
Recommended

*[Signature]*  
Chairman-in-Council 18/4/24  
Department of P.W.D.  
Midnapore Municipality

Sanction order No 09  
P.W.D. Date 16/04/2024 Application  
Of Amkur Lodha & others  
Permission for Construction of building  
for Residential cum Commercial (purpose)  
Considered the opinion of S.A.E. / S.I. and  
recommendation of the E.O section is hereby  
accorded u/s 207(1)(a) of the act read with rule  
20(1)(A) to the building plan with Specification  
duly counter signed The building Plan shall  
remain valid for three years from the date of  
sanction and may be renewed for another two  
years on payment of fees u/s 207(2) of the act  
Permission to execute the work in the prescribed  
form is being given separately

*[Signature]* 19/04/24  
Chairman  
Midnapore Municipality  
*[Signature]* 19/04/24