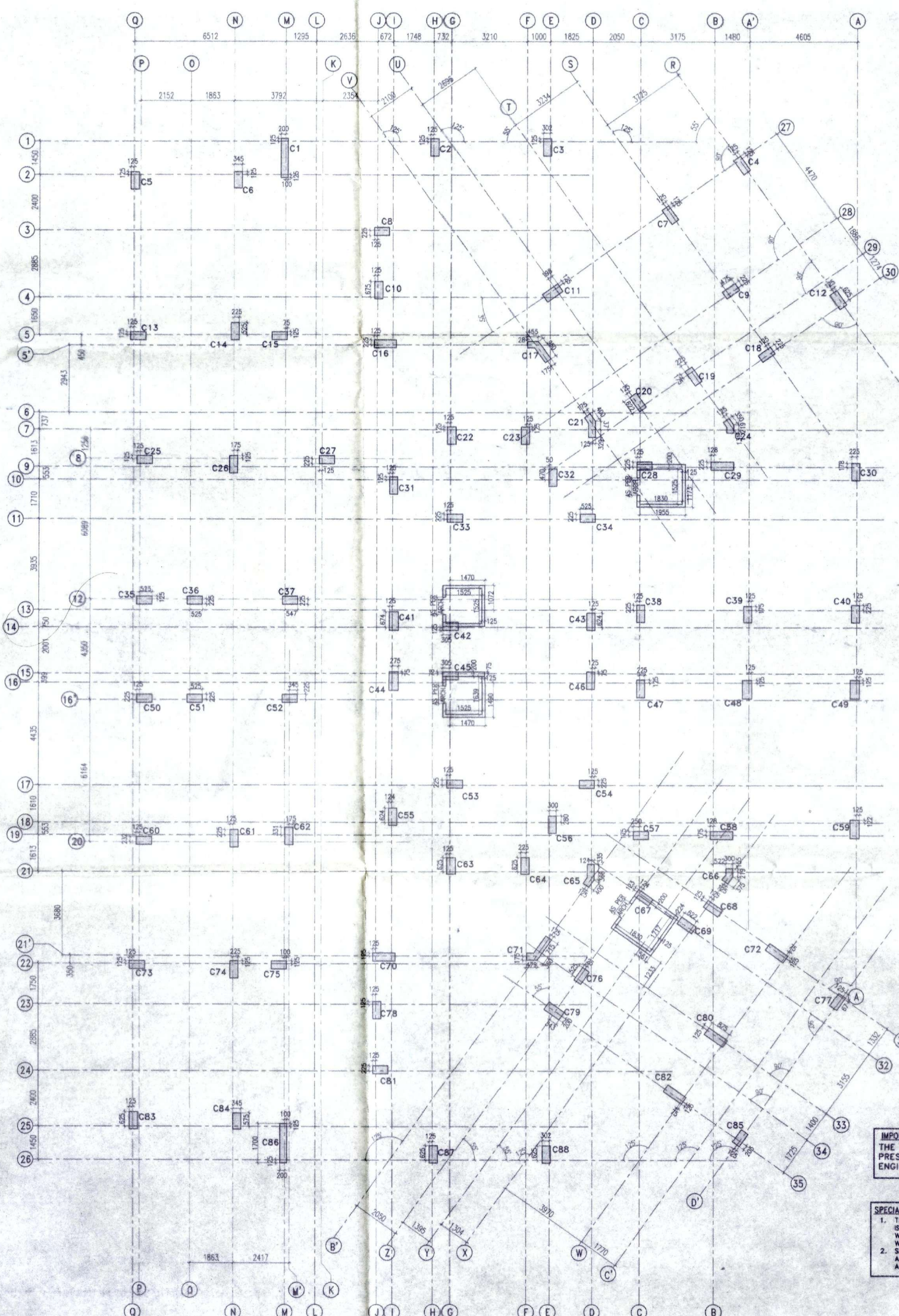
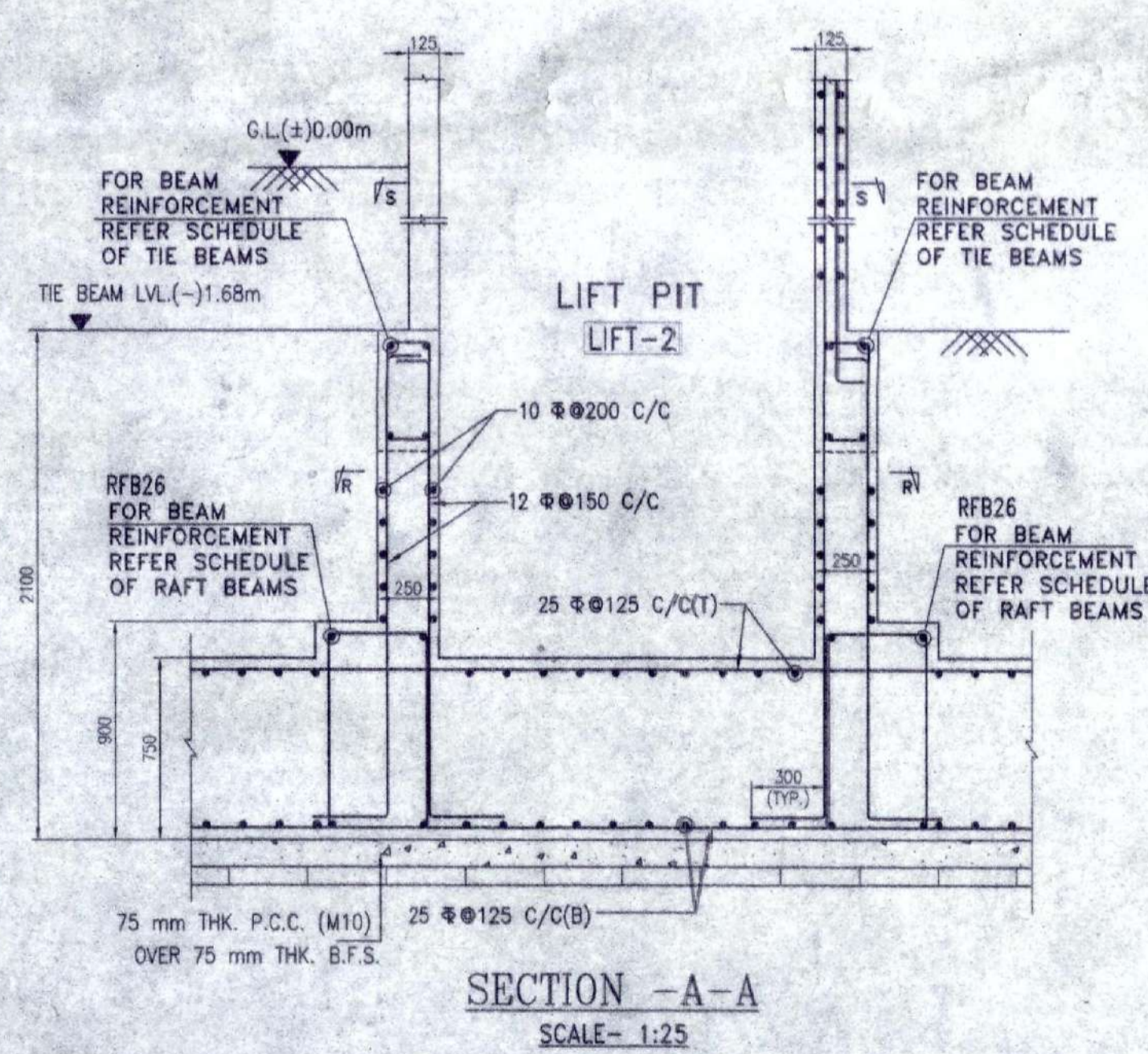




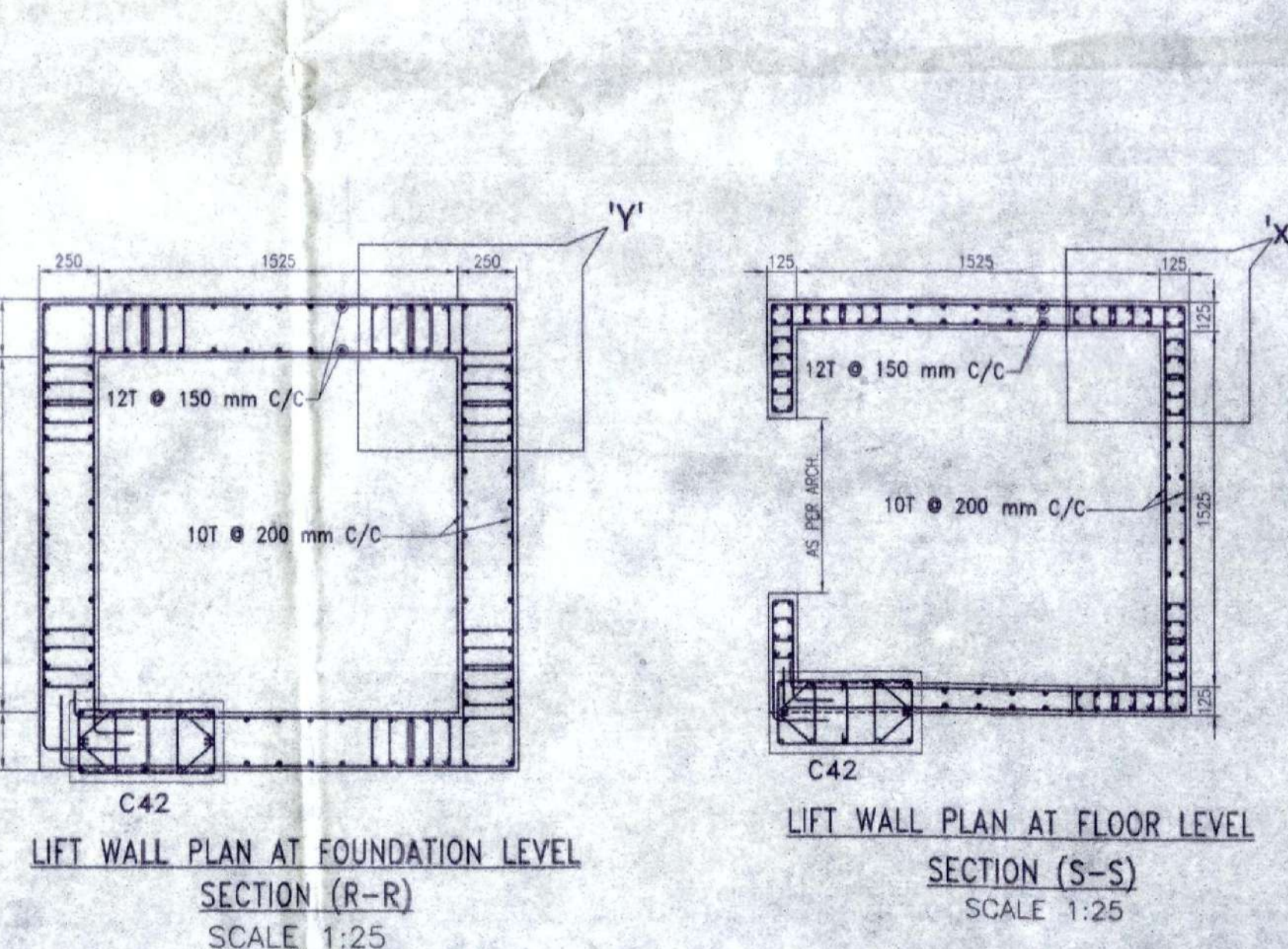
FOUNDATION LAYOUT PLAN
RS MARKED SLABS 75mm THK.
SCALE: 1:100



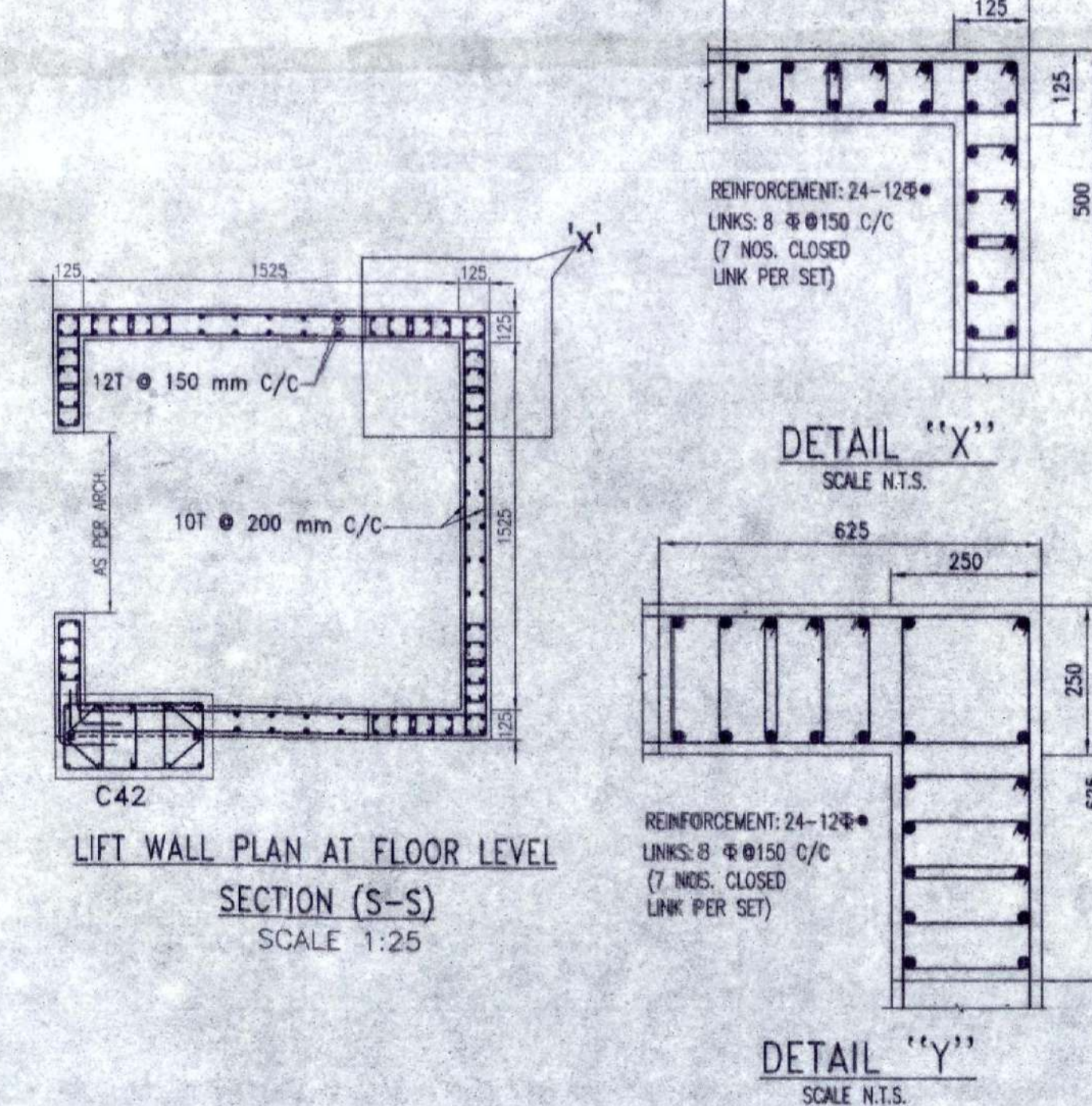
COLUMN LAYOUT
SCALE: 1:100



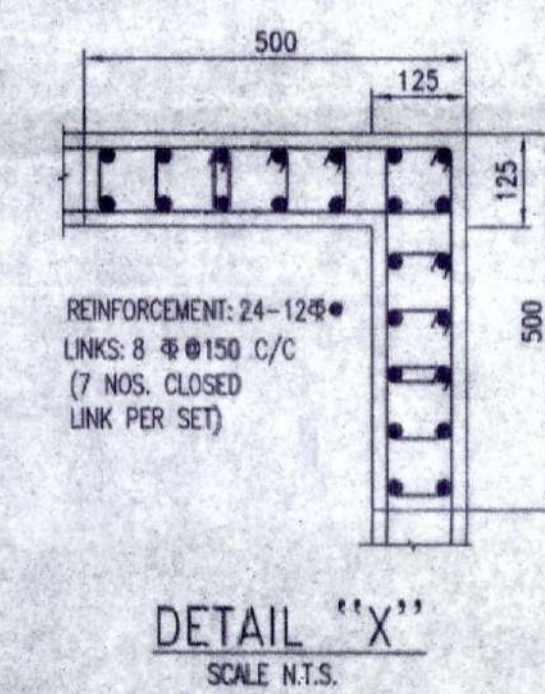
SECTION -A-A
SCALE: 1:25



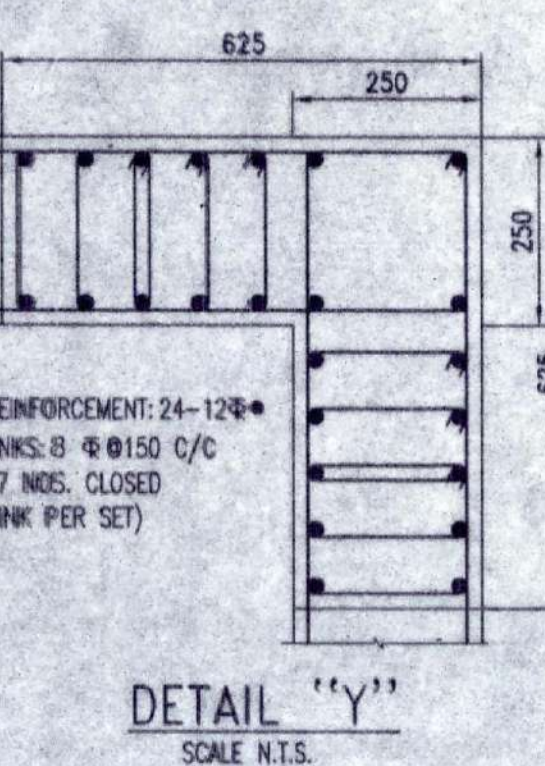
LIFT WALL PLAN AT FOUNDATION LEVEL
SECTION (R-R)
SCALE: 1:25



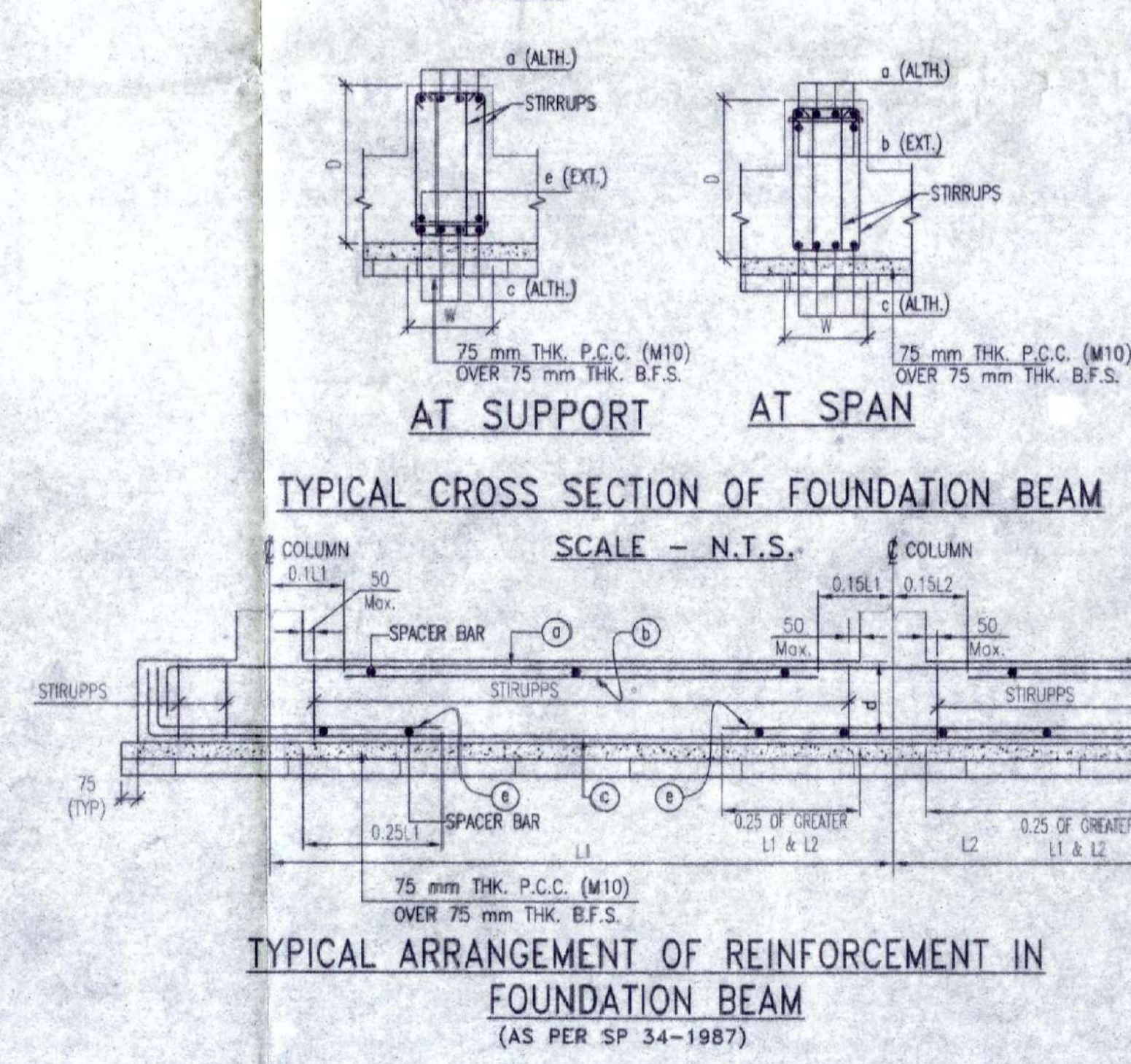
LIFT WALL PLAN AT FLOOR LEVEL
SECTION (S-S)
SCALE: 1:25



DETAIL 'X'
SCALE: N.T.S.



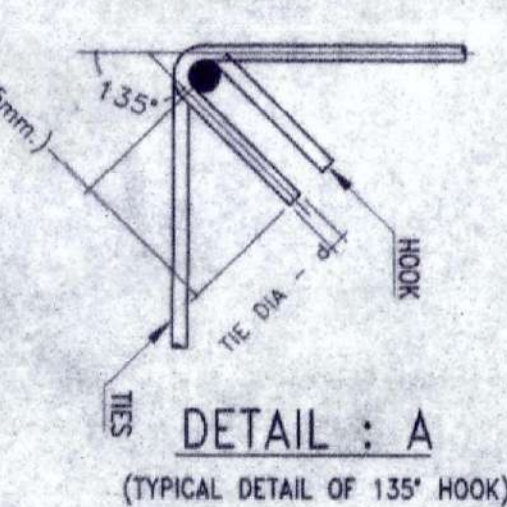
DETAIL 'Y'
SCALE: N.T.S.



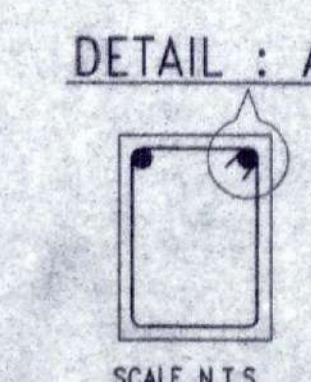
TYPICAL CROSS SECTION OF FOUNDATION BEAM
SCALE: N.T.S.
TYPICAL ARRANGEMENT OF REINFORCEMENT IN FOUNDATION BEAM
(AS PER SP 34-1987)

IMPORTANT NOTE:
THE STRUCTURE MUST BE CONSTRUCTED IN PRESENCE OF A COMPETENT STRUCTURAL ENGINEER FOR STRICT SUPERVISION.

SPECIAL NOTES:
1. THIS STRUCTURAL DRAWING IS VALID IF THE ARCHITECTURAL DRAWING IS FOLLOWED USING 250 mm THICK AAC BLOCKS IN EXTERNAL WALLS & 125 mm THICK AAC BLOCKS IN INTERNAL WALLS.
2. SINCE ESTIMATED SETTLEMENT IS 150mm NECESSARY SITE ADJUSTMENT HAS TO BE DONE FOR PROPER PROVISION AND LEVELING OF UTILITIES.



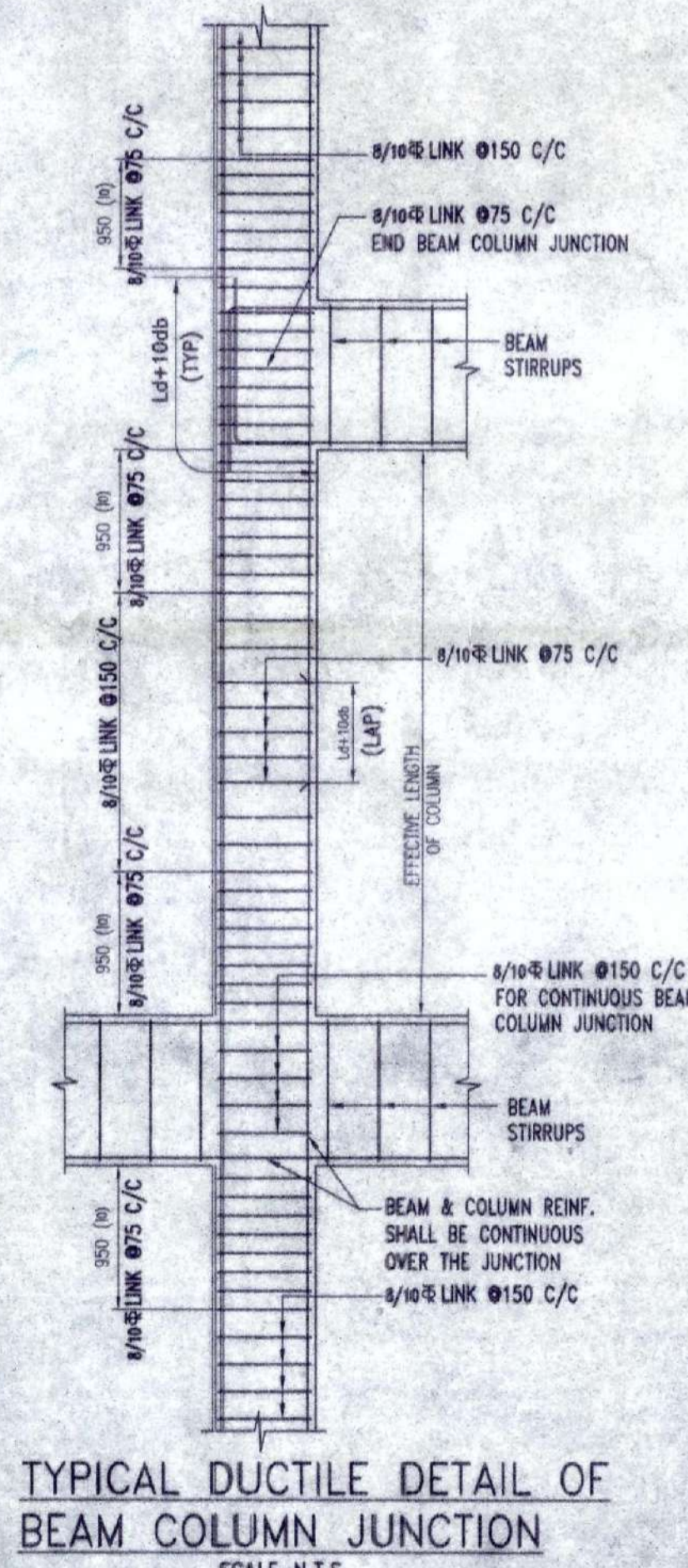
DETAIL: A
(TYPICAL DETAIL OF 135° HOOK)



DETAIL: A
SCALE: N.T.S.

SLAB MARKED	SLAB THICKNESS (mm)	REINFORCEMENT ALONG SHORTER DIRECTION		REINFORCEMENT ALONG LONGER DIRECTION	
		BOTTOM	TOP	BOTTOM	TOP
RS	750	25 # 125 C/C	25 # 125 C/C	25 # 125 C/C	25 # 125 C/C

BEAM MARKED	BEAM WIDTH (mm)	BEAM DEPTH (mm)	TOP REINFORCEMENT		BOTTOM REINFORCEMENT		STIRRUPS
			ALTHROUGH EXTRA AT SPAN	EXTRA AT SUPPORT	ALTHROUGH EXTRA AT SPAN	EXTRA AT SUPPORT	
RFB1	1800	900	13-16 #	13-16 #	-	-	8L-8 # 2000 C/C
RFB2	1800	900	13-16 #	13-16 #	7-16 #	-	8L-8 # 2000 C/C
RFB3	1800	900	13-16 #	13-16 #	7-16 #	-	8L-10 # 1000 C/C
RFB4	1800	900	16-16 #	-	-	-	8L-8 # 2000 C/C
RFB5	1600	900	16-16 #	-	6-16 #	-	8L-8 # 2000 C/C
RFB6	1800	900	16-16 #	16-16 #	-	-	8L-8 # 2000 C/C
RFB7	1300	900	16-16 #	10-16 #	16-20 #	-	8L-10 # 1000 C/C
RFB8	1300	900	16-16 #	-	-	-	8L-8 # 2000 C/C
RFB9	1300	900	10-16 #	-	10-16 #	-	8L-8 # 2000 C/C
RFB10	1150	900	9-16 #	8-16 #	9-20 #	9-16 #	8L-12 # 125 C/C
RFB11	1150	900	9-16 #	-	9-20 #	-	8L-8 # 1000 C/C
RFB12	1150	900	9-16 #	-	9-16 #	-	8L-10 # 125 C/C
RFB13	1150	900	9-16 #	-	9-16 #	-	8L-8 # 1000 C/C
RFB14	1150	900	9-16 #	-	9-16 #	-	8L-8 # 1000 C/C
RFB15	1150	900	9-16 #	-	9-16 #	-	8L-10 # 125 C/C
RFB16	1150	900	9-16 #	8-16 #	9-16 #	-	8L-10 # 1000 C/C
RFB17	1150	900	9-16 #	9-16 #	-	-	8L-10 # 1000 C/C
RFB18	900	900	7-16 #	-	7-16 #	-	8L-8 # 250 C/C
RFB19	900	900	7-16 #	-	7-16 #	-	8L-8 # 250 C/C
RFB20	900	900	7-16 #	-	7-16 #	-	8L-10 # 125 C/C
RFB21	850	900	7-16 #	-	7-16 #	-	8L-8 # 2000 C/C
RFB22	850	900	7-16 #	-	7-16 #	5-20 #	8L-10 # 1000 C/C
RFB23	850	900	7-16 #	-	7-16 #	6-16 #	8L-8 # 1000 C/C
RFB24	850	900	8-16 #	-	8-20 #	7-20 #	8L-12 # 1000 C/C
RFB25	850	900	8-16 #	-	8-20 #	-	8L-12 # 1000 C/C
RFB26	500	900	4-16 #	-	4-16 #	-	8L-8 # 250 C/C
RFB27	500	900	5-16 #	-	5-16 #	4-20 #	8L-8 # 2000 C/C
RFB28	500	900	5-16 #	-	5-16 #	4-20 #	8L-8 # 2000 C/C
RFB29	500	900	4-16 #	2-16 #	4-16 #	2-16 #	8L-8 # 250 C/C
RFB30	750	900	6-16 #	-	6-16 #	6-16 #	8L-8 # 2000 C/C
RFB31	750	900	6-16 #	-	6-16 #	-	8L-8 # 250 C/C
RFB32	750	900	6-16 #	4-16 #	5-20 #	-	8L-8 # 2000 C/C
RFB33	750	900	6-16 #	-	6-16 #	-	8L-8 # 2000 C/C
RFB34	750	900	6-16 #	-	6-16 #	-	8L-8 # 2000 C/C
RFB35	750	900	6-16 #	4-16 #	6-16 #	6-16 #	8L-12 # 125 C/C
RFB36	750	900	6-16 #	-	6-16 #	-	8L-8 # 2000 C/C
RFB37	750	900	7-16 #	-	7-16 #	-	8L-8 # 2000 C/C
RFB38	750	900	7-16 #	-	7-16 #	5-20 #	8L-10 # 125 C/C
RFB39	750	900	7-16 #	-	7-16 #	4-16 #	8L-10 # 125 C/C



TYPICAL DUCTILE DETAIL OF BEAM COLUMN JUNCTION
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 METERS 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 SP34:1987
 - THE NET SAFE BEARING CAPACITY OF THE RAFT FOUNDATION SHOWN IN THE DRAWING AT DEPTH (-)3.78m. FROM G.L. HAS BEEN CONSIDERED 12.5 T/SOM 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 DRAWING.
 - THE N VALUE AS DESCRIBED UNDER NOTES OF TABLE -1 OF MOUZA - 967,969,972,973, J.L. NO. - 91 OF MOUZA - BIRBHANPUR, P.S. - COKE OVEN, DIST. - PASCHIM BARDHAMAN.

TITLE
STRUCTURAL DRAWINGS OF EXISTING B-G & 8 & ONE PROPOSED EXTRA FLOOR OF A B-G-9 STORED RESIDENTIAL APARTMENT CUM COMMERCIAL COMPLEX PROJECT OF 1.) SRI. NABA KR. GANGULY 2.) SRI. AMAR DAS, 3.) SMT. BABY DAS, & 4.) SMT. ANJANA ROY, OVER R.S. PLOT NO - 1386(P), & 1387 (P), L.R. PLOT NO.-967,969,972,973, J.L. NO. - 91 OF MOUZA - BIRBHANPUR, P.S. - COKE OVEN, DIST. - PASCHIM BARDHAMAN.

SIGNATURE OF OWNER

SIGNATURE OF ARCHITECT/L.B.S :

SIGNATURE OF GEO-TECHNICAL ENGINEER

SIGNATURE OF STRUCTURAL ENGINEER

SIGNATURE OF THE VETTING AUTHORITY

STRUCTCON ENTERPRISE
REGD. ADDRESS: ASHRAY APARTMENT,
GROUND FLOOR,
96B, KALKAPUR ROAD,
KOLKATA - 700 099
Email-structconenterprise@gmail.com
Ph.-8697517321, 7003201735

DRAWING TITLE
1. COLUMN & FOUNDATION LAYOUT PLAN.
2. REINFORCEMENT DETAILS OF FOUNDATION.
3. DETAIL OF SHEAR WALL

SCALE: 1:100 OR AS SHOWN
DATE: 15.09.2022
SHEET NO. - 1 OF 5