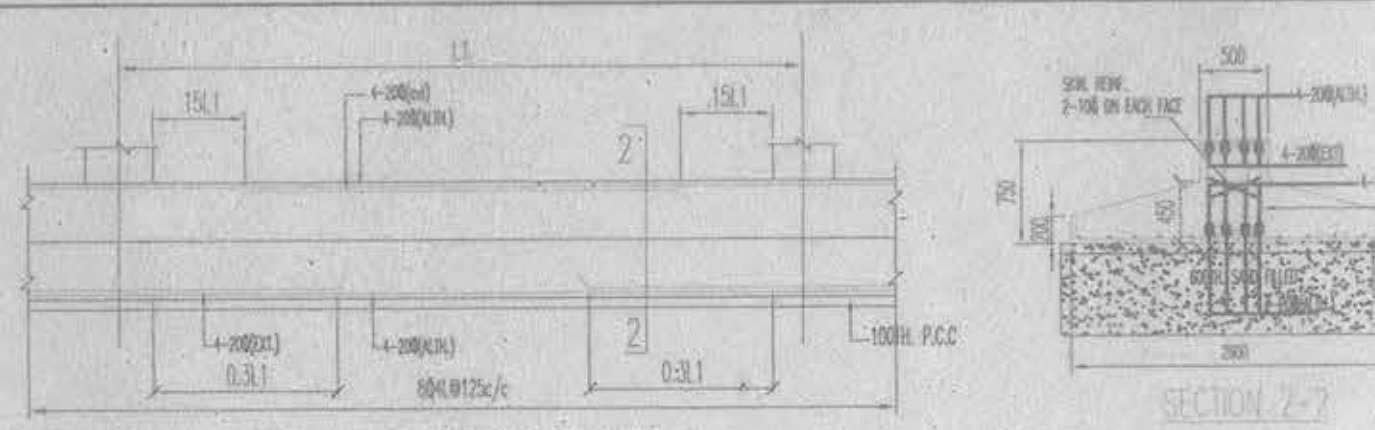
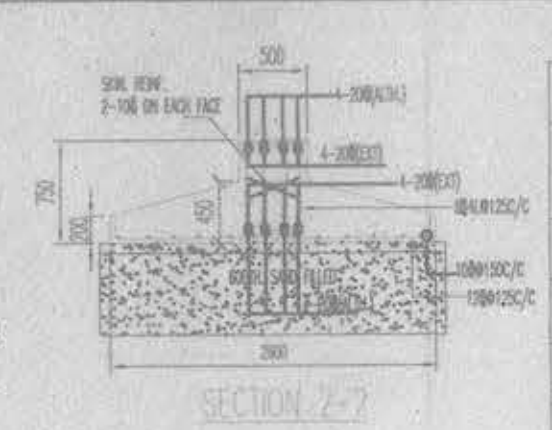


DETAIL ABOVE PLINTH LEVEL (LIFT)



DETAIL OF FOUNDATION BEAM (2)



SECTION 27

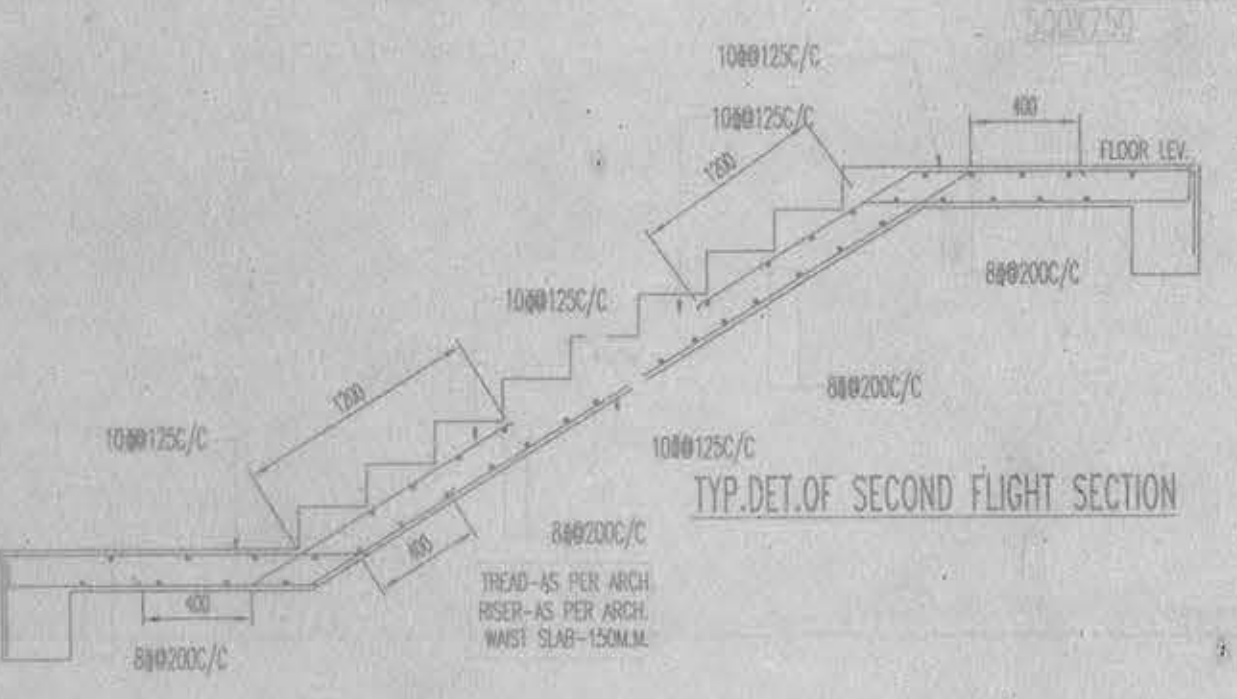
SCHEDULE OF FOUNDATION - (M20 AND FE 500)

MKD.	SIZE (mm)	DEPTH OF BASE SLAB	REINFORCEMENT		
F1	2400	2400	450	200	12@150 C/C BOTH WAYS OF BOTTOM.
F2	2600	2600	450	200	12@150 C/C BOTH WAYS OF BOTTOM.
F3	2800	2800	450	200	12@150 C/C BOTH WAYS OF BOTTOM.
F4	3000	3000	450	200	12@150 C/C BOTH WAYS OF BOTTOM.
F5	3200	3200	450	200	12@150 C/C BOTH WAYS OF BOTTOM.
COMB-1	AS SHOWN	450	200	12@125 C/C	10@150 C/C
COMB-2	AS SHOWN	450	200	12@125 C/C	10@150 C/C

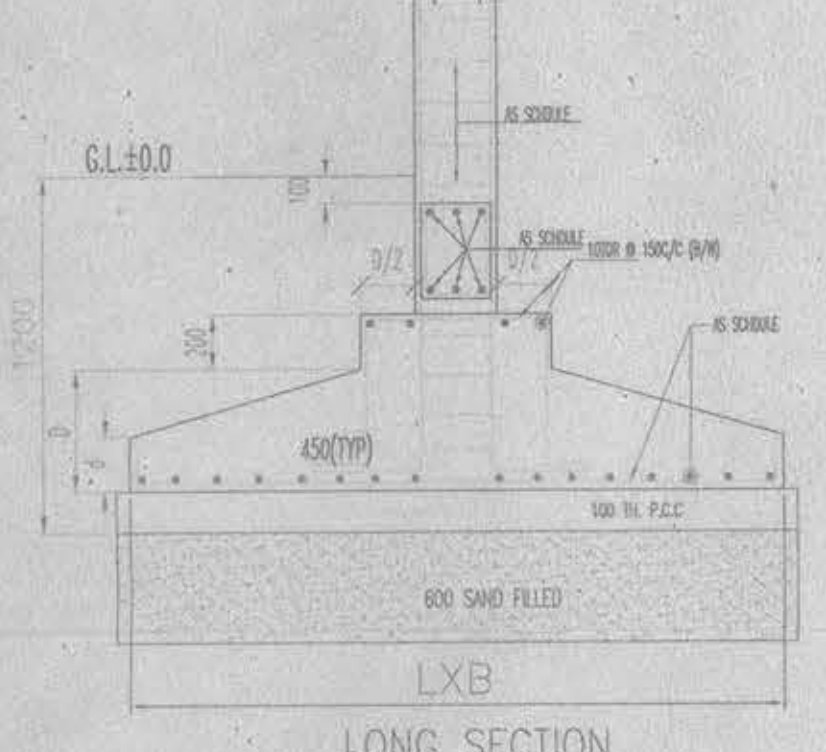
SCHEDULE OF 1ST FLOOR TO ROOF (M25 AND FE 500)

BEAM	SIZE (MMxMM)	TOP	BOTT.	STIRRUPS (2 LEGGED)
B1	250x450	2-1@	1-1@	10@20150/C
B2	250x450	2-1@	2-1@	10@20150/C
B3	250x450	2-1@	1-1@	10@20150/C
B4	250x450	2-1@	2-2@	10@20150/C
B4A	250x450	3-1@	2-1@	10@20150/C
B5	250x450	2-1@	1-1@	10@20150/C
B5A	250x450	4-1@	1-1@	10@20150/C
B6	250x450	2-2@	2-2@	10@20150/C
B6A	250x450	4-2@	4-2@	10@20150/C
B7	250x450	3-1@	1-1@	10@20150/C
HLB	250x450	3-1@	3-1@	10@20150/C

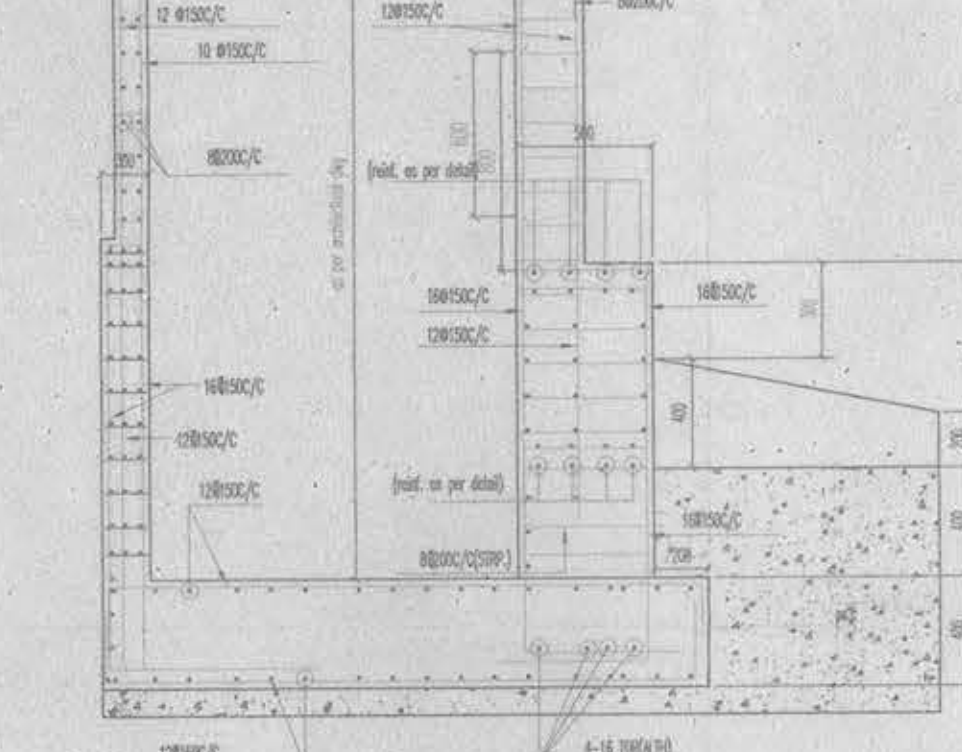
- NOTES -
- ALL DIMENSIONS ARE IN MM
 - CONCRETE GRADE TO BE ADOPTED M20 UNLESS MENTIONED. GR. OF STEEL Fe 500
 - COVER TO REINFORCEMENT
COLUMN = 40mm, BEAM = 30mm
SLAB = 15mm, FOUNDATION = 50mm
 - DO NOT SCALE THE DRAWING. FOLLOW WITH DIMENSION.
 - ALL EXTERNAL WALLS ARE 200mm THK. & INTERNAL WALLS ARE 125/75 mm THK.
 - LEAN CONCRETE (1:3:6) NOMINAL MIX 75 THK. SHALL BE PROVIDED UNDER FOUNDATION.
 - INTERNAL PLASTER 15mm THK. IN CEMENT MORTAR GRADE (1:6)
 - INTERNAL PLASTER 12mm THK. IN CEMENT MORTAR GRADE (1:4)
 - ALL CEILING PLASTER 6mm THK. IN CEMENT MORTAR GRADE (1:4)
 - USE 200GSM LDP SHEET BELOW P.C.C.
 - THE STRUCTURAL DESIGNER IS RESPONSIBLE FOR THE DESIGN ONLY THE CONSTRUCTION, SUPERVISION FALLS OUTSIDE THE PERVIEW OF DESIGNER.



TYP. DET. OF SECOND FLIGHT SECTION



LONG SECTION



SECTION A-A

SCHEDULE OF COLUMN - (M25 AND FE 500)

COLUMN NOS.	SIZE (MMxMM)	FOUNDATION TO 2ND. FL.	2ND. FL. TO ROOF
C1	250x450	8-16+2-12@	8-16+2-12@
C2	250x450	4-20+8-16@	10-16@
C3	250x450	4-20+8-16@	10-16@
C4	250x450	10-16@	10-16@
C5	250x450	8-16+2-12@	8-16+2-12@
C6	250x450	4-20+8-16@	10-16@
C7	250x500	10-16@	10-16@
C8	250x450	8-16+2-12@	4-16+4-12@
C9	250x450	10-20+2-16@	4-20+6-16@
C10	250x450	10-20+2-16@	4-20+6-16@
C11	250x500	4-20+6-16@	10-16@
C12	250x500	6-16+2-12@	4-16+4-12@
C13	250x450	4-20+6-16@	10-16@
C14	250x450	8-20@	4-20+4-16@
C15	250x450	4-20+4-16@	8-16@
C16	250x450	10-20+2-16@	4-20+6-16@
C17	250x450	4-20+4-16@	8-16@
C18	250x450	6-16+2-12@	4-16+4-12@
C19	250x450	4-20+4-16@	8-16@
C20	250x450	6-16+2-12@	4-16+4-12@
C21	250x450	10-20+2-16@	4-20+6-16@
C22	250x450	8-16@	4-16+4-12@
C23	250x450	8-20+2-16@	4-20+6-16@
C24	250x450	6-16+2-12@	4-16+4-12@
C25	250x450	4-16+4-12@	8-12@
C26	250x500	8-16@	6-16+2-12@
C27	250x450	4-20+4-16@	8-16@
C28	250x500	8-20+2-16@	4-20+6-16@

SCHEDULE OF SLAB (S1)
SLAB THICKNESS AS MENTIONED :- 115 MM (M20 AND FE 500)
(ALONG SHORTER DIRECTION)

SUPPORT	SPAN
8mm@ 150mm c/c at top of support & extended upto L/3 from beam.	8mm@ 165mm c/c at span & alternately curtailed at L/4 from beam.

SLAB THICKNESS AS MENTIONED :- 115 MM (M20 AND FE 500)
(ALONG LONGER DIRECTION)

SUPPORT	SPAN
8mm@ 150mm c/c at top of support & extended upto L/3 from beam.	8mm@ 175mm c/c at span & alternately curtailed at L/4 from beam.

SCHEDULE OF SLAB (S2)
SLAB THICKNESS AS MENTIONED :- 125 MM (M20 AND FE 500)
(ALONG SHORTER DIRECTION)

SUPPORT	SPAN
8mm@ 125mm c/c at top of support & extended upto L/3 from beam.	8mm@ 150mm c/c at span & alternately curtailed at L/4 from beam.

SLAB THICKNESS AS MENTIONED :- 125 MM (M20 AND FE 500)
(ALONG LONGER DIRECTION)

SUPPORT	SPAN
8mm@ 150mm c/c at top of support & extended upto L/3 from beam.	8mm@ 165mm c/c at span & alternately curtailed at L/4 from beam.

SCHEDULE OF SLAB (S3)
SLAB THICKNESS AS MENTIONED :- 150 MM (M20 AND FE 500)
(ALONG SHORTER DIRECTION)

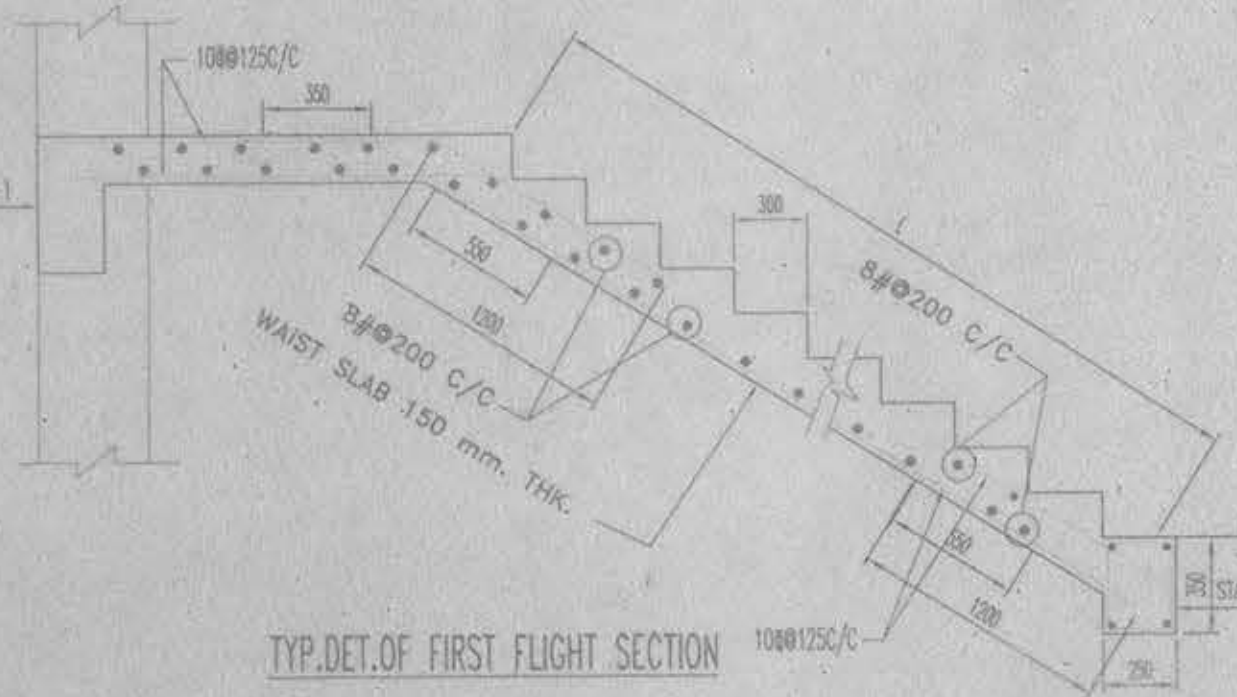
SUPPORT	SPAN
8mm@ 125mm c/c at top of support & extended upto L/3 from beam.	8mm@ 150mm c/c at span & alternately curtailed at L/4 from beam.

SLAB THICKNESS AS MENTIONED :- 150 MM (M20 AND FE 500)
(ALONG LONGER DIRECTION)

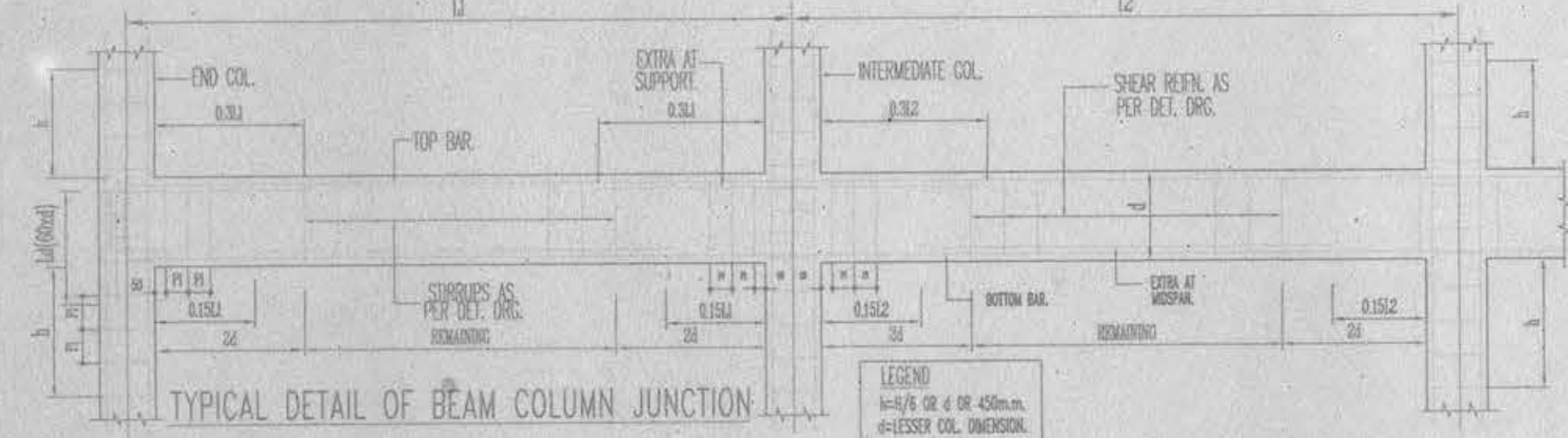
SUPPORT	SPAN
8mm@ 150mm c/c at top of support & extended upto L/3 from beam.	8mm@ 165mm c/c at span & alternately curtailed at L/4 from beam.

SCHEDULE OF TIE BEAM (M20 AND FE 500)

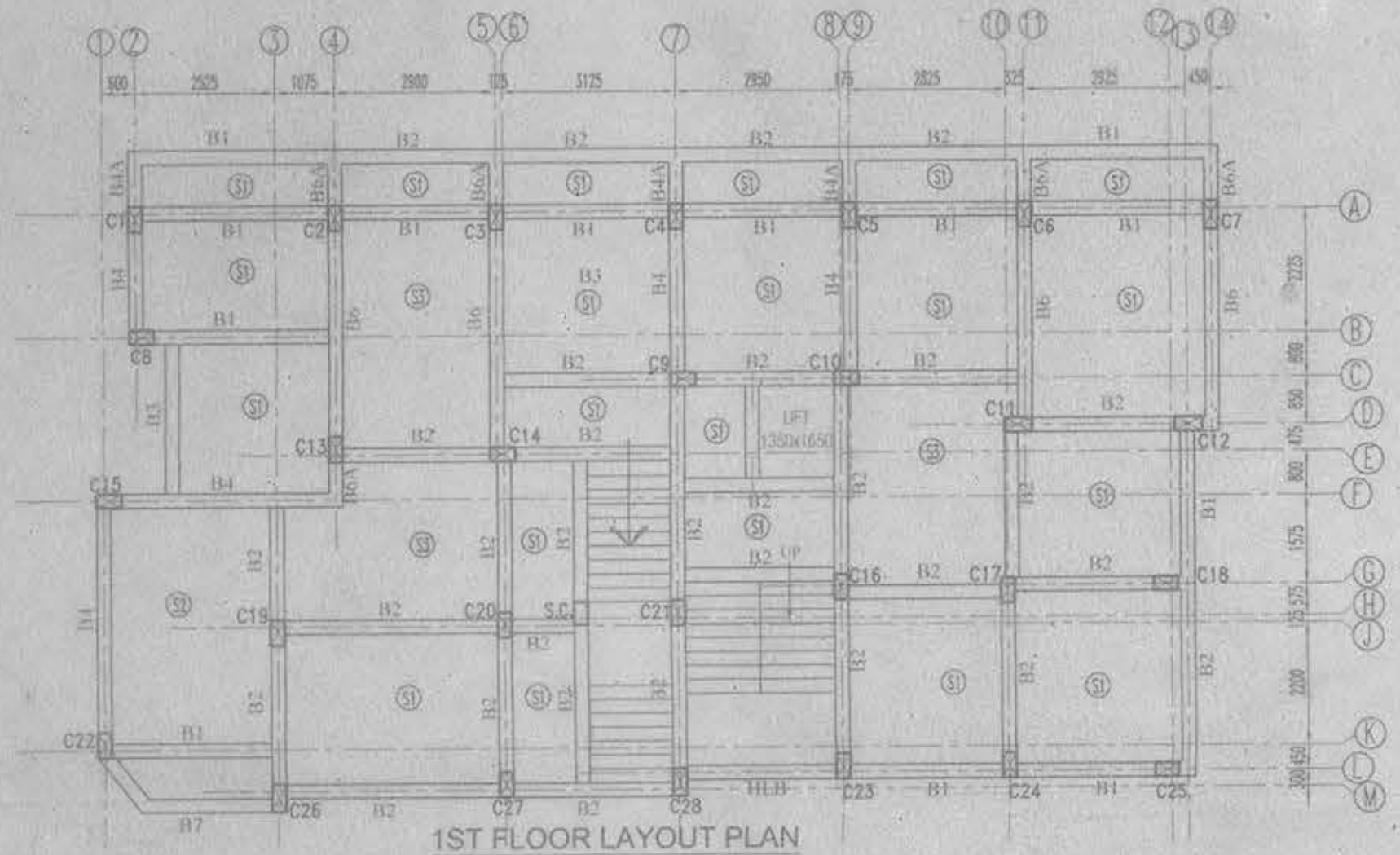
BEAM MKD.	SIZE (MMxMM)	TOP	BOTT.	STIRRUPS (2 LEGGED)
TB1	250x400	2-1@+1-1@	2-1@+1-1@	8@125mm/C
TB2	250x400	3-1@	3-1@	8@125mm/C



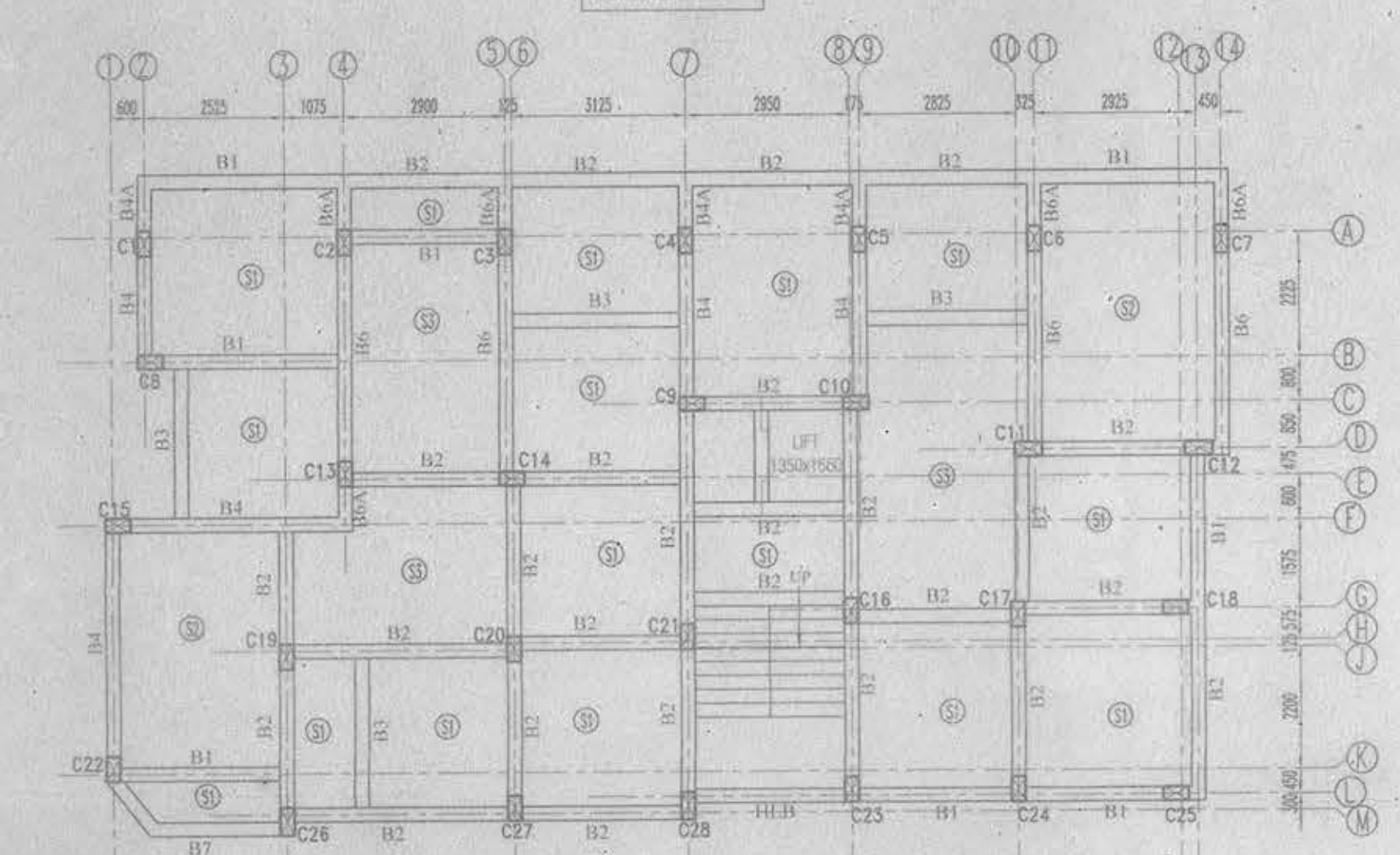
TYP. DET. OF FIRST FLIGHT SECTION



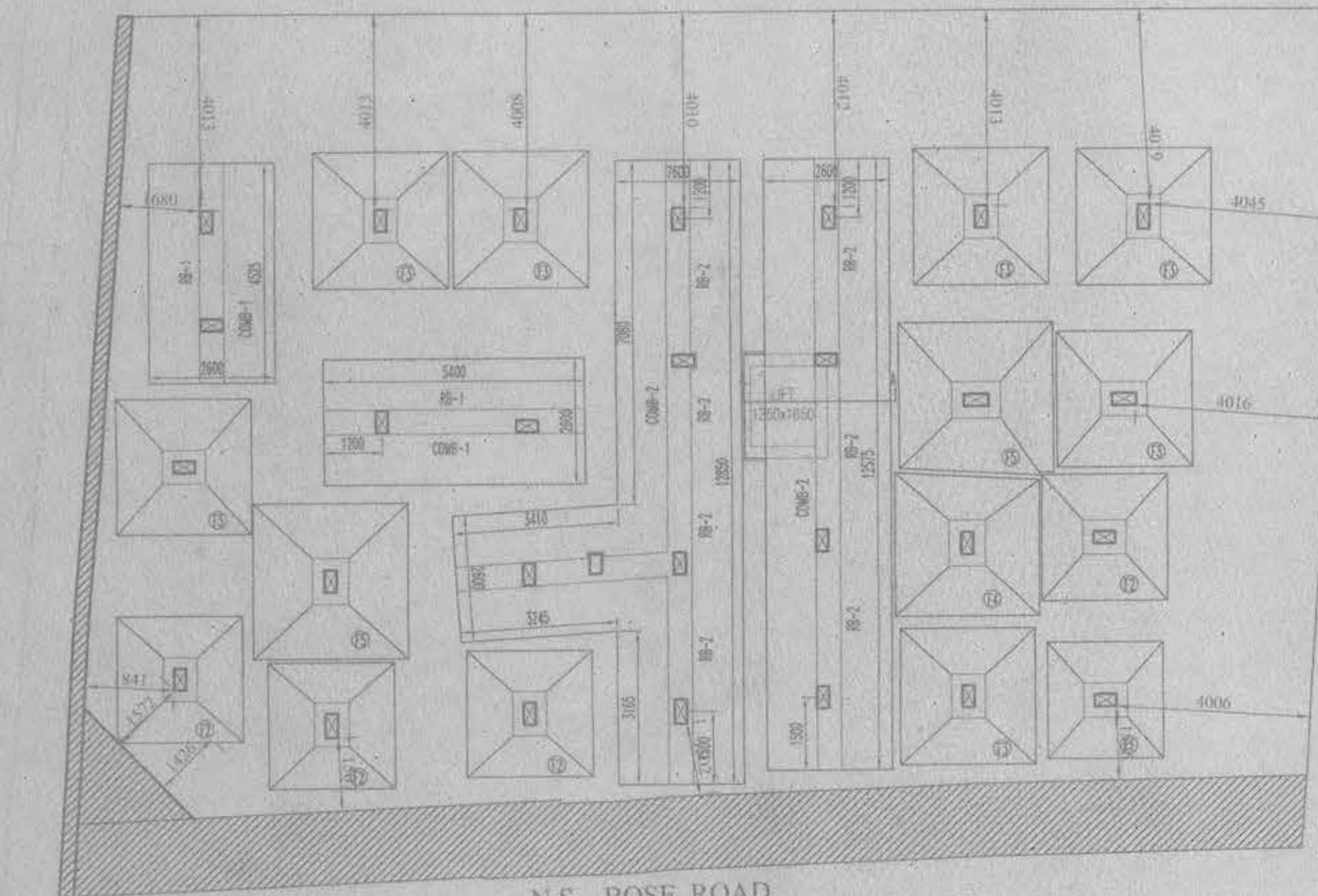
TYPICAL DETAIL OF BEAM COLUMN JUNCTION



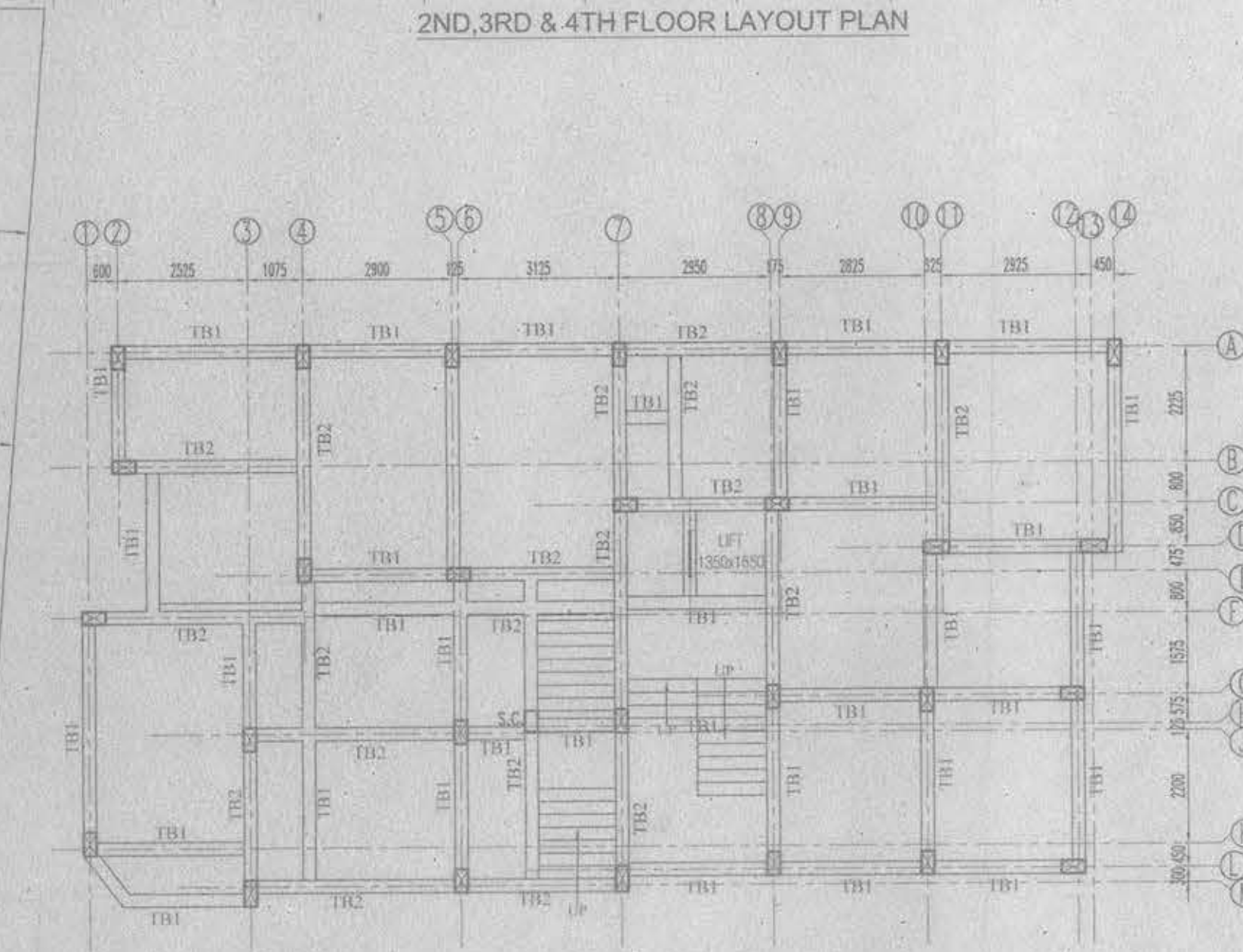
1ST FLOOR LAYOUT PLAN



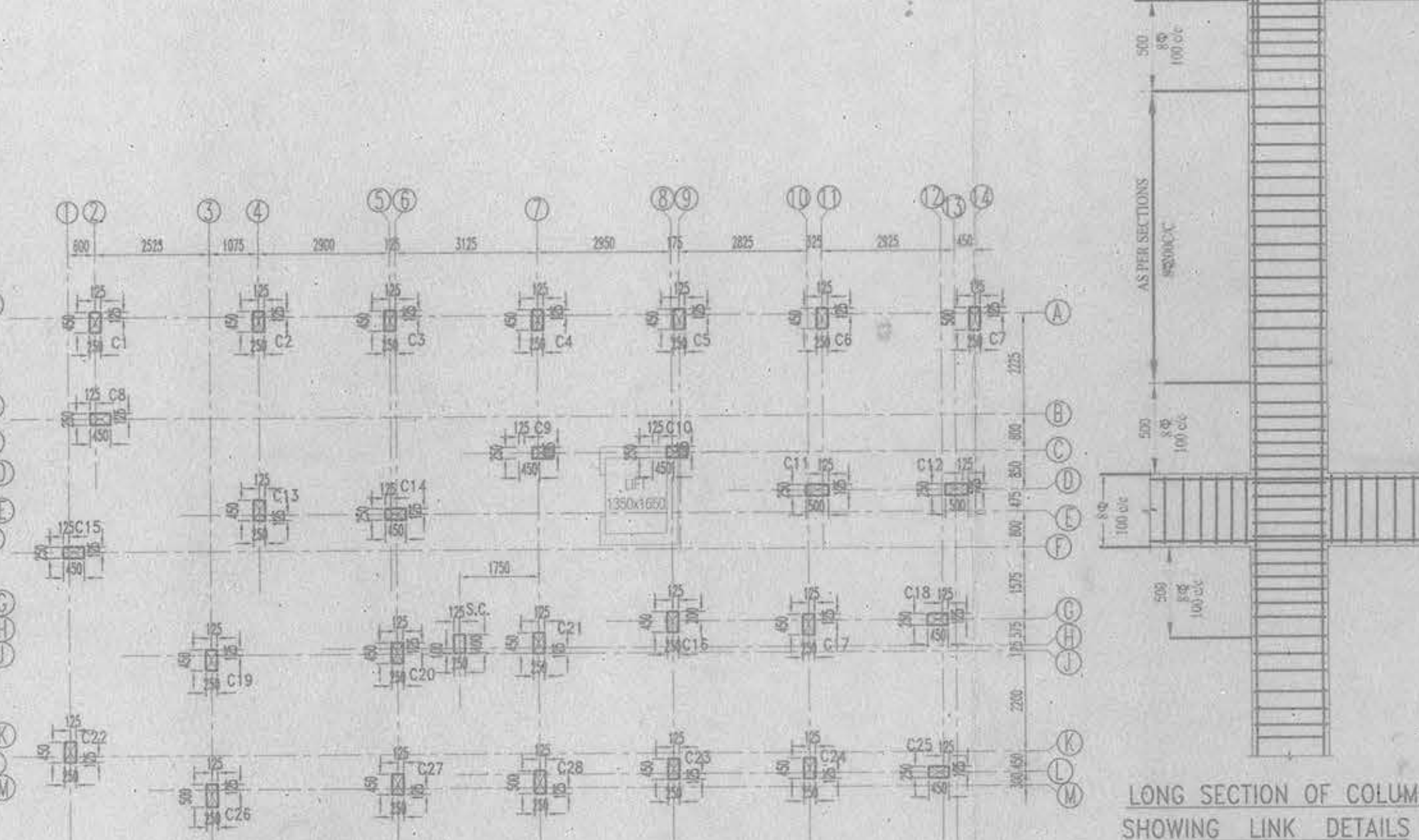
2ND, 3RD & 4TH FLOOR LAYOUT PLAN



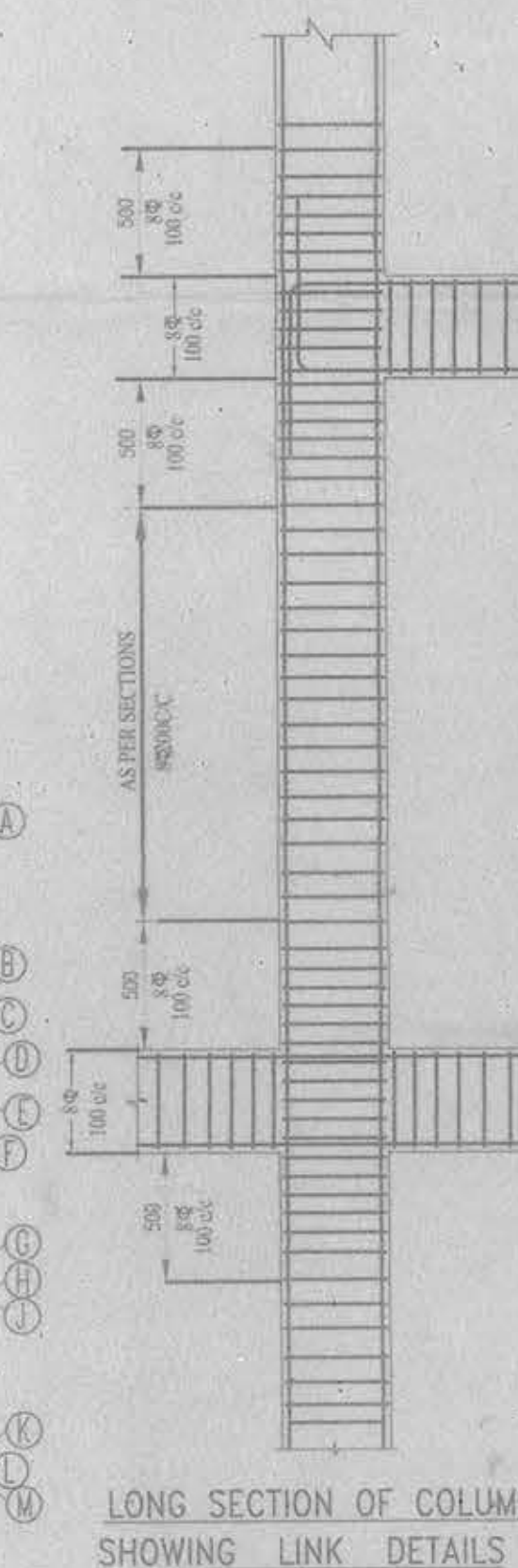
N.S. BOSE ROAD
FOUNDATION LAYOUT PLAN



TIE BEAM LAYOUT PLAN



COLUMN LAYOUT PLAN



LONG SECTION OF COLUMN SHOWING LINK DETAILS

STRUCTURAL CERTIFICATE
THE STRUCTURAL DESIGN AND DRAWING OF BOTH FOUNDATION AND CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME PER NATIONAL BUILDING CODE OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS.

SUBIR CHANDRA SANYAL
B. C. E., A. M. I., STRUCT. E. (I)
E. S. NO. 840, CLASS-I
E. S. E. NO. 007, CLASS-I
RAIPUR-SONARPUR MUNICIPALITY

SIGNATURE OF STRUCTURAL ENGINEER (E.S. NO. 007)

DECLARATION OF E.B.A.
I HAVE CERTIFIED ON THE PLAN ITSELF WITH FULL RESPONSIBILITY THAT BUILDING RULES 1990 AS AMENDED FROM TIME TO TIME AND THAT THE SITE CONDITIONS INCLUDING THE SURROUNDING ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE SITE AND NOT A TANK OR A FILLED UP LAND.

SUBIR CHANDRA SANYAL
B. C. E., A. M. I., STRUCT. E. (I)
E. S. NO. 840, CLASS-I
E. S. E. NO. 007, CLASS-I
RAIPUR-SONARPUR MUNICIPALITY

SIGNATURE OF E.B.A.

AS SURAJIT DEBATHY
ATTORNEY OF
SURAJIT DEBATHY
NANDINI CHAKRABORTY

SIGNATURE OF OWNERS

AS LAWFULLY CONSTITUTED
ATTORNEY OF
SURAJIT DEBATHY
NANDINI CHAKRABORTY
SIGNATURE OF OWNERS

SUBIR CHANDRA SANYAL
B. C. E., A. M. I., STRUCT. E. (I)
E. S. NO. 840, CLASS-I
E. S. E. NO. 007, CLASS-I
RAIPUR-SONARPUR MUNICIPALITY

PROJECT (LR. DAG-1627, KHA - 3301, 3302)
STRUCTURAL DRAWING FOR A PROPOSED G+IV
STORIED RESIDENTIAL BUILDINGS AT HOLDING NO.
352, DAKSHIN KUMRAKHALI, R.S. DAG NOS. 1543, R.S.
KHATIAN NOS. 738, 740, L.L. NO. 48, WARD NO. 27,
MOUNZA, KUMRAKHALI P.S., SONARPUR, DIST-24
PG(S)- UNDER RAIPUR - SONARPUR MUNICIPALITY.

OWNER'S NAME: SMT. NANDINI MUKHERJEE & SURAJIT DEBATHY

DRAWN - Sanyal SCALE - 1:100
DESIGNED - DATE - 03.02.2017
CHECKED -
APPROVED -

Sanyal Associates
CONSULTANT PLANNER & STRUCTURAL ENGINEERS
P-157 KALINDO PARK, KOLKATA-84

DWG NO. -
REV

APPROVAL OF S.A.E.
OFFICE USE ONLY

Structural plan as submitted by the structural Engineer have been kept with Building Plan No. 313/08/27/31 Dated On: 3/03/2017 for record of the Raipur-Sonapur Municipality without Verification No. deviation from the submitting structural plan should be made at the time of erection without submitting fresh structural plan along with design calculation and stability certificate in the prescribed form necessary steps should be taken for the safety of the adjoining premises public private properties and safety of human life during Construction

Sig. of Municipal Engineer.