

SCHEDULE OF FLOOR BEAM :-

BEAM MKD.	SIZE (MMxMM)	REINF. AT SPAN		REINF. AT SUPT.		STRPS	REMARK
		TOP	BOT	TOP	BOT		
B1	250x300	2-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$ + 2-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 150 C/C	FLOOR BEAM
B2	250x300	2-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$ + 2-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 150 C/C	FLOOR BEAM
B3	250x350	2-12 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 175 C/C	FLOOR BEAM
B4	250x350	2-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 175 C/C	FLOOR BEAM
B5	250x350	2-12 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$ + 2-20 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 150 TO 175 C/C	FLOOR BEAM
B6	250x350	2-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 2-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 175 C/C	FLOOR BEAM
B7	250x400	2-20 $\bar{\bar{}}$	2-20 $\bar{\bar{}}$ + 3-16 $\bar{\bar{}}$	2-20 $\bar{\bar{}}$ + 2-20 $\bar{\bar{}}$	3-16 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 150 TO 200 C/C	FLOOR BEAM
B8	250x350	2-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 3-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 2-16 $\bar{\bar{}}$	3-16 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 150 C/C	FLOOR BEAM
B9	250x400	2-20 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	2-20 $\bar{\bar{}}$ + 2-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 150 TO 200 C/C	FLOOR BEAM
B10	250x450	2-20 $\bar{\bar{}}$	2-20 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	2-20 $\bar{\bar{}}$ + 2-20 $\bar{\bar{}}$	2-20 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 100 TO 200 C/C	FLOOR BEAM

SCHEDULE OF SLAB :-

PANEL MKD	THK (MM)	REINFORCEMENT AT BOTTOM		REINFORCEMENT AT TOP (SUPPORT)	
		SHORT DIREC.	LONG DIREC.	SHORT DIREC.	LONG DIREC.
ALL	110	8 $\bar{\bar{}}$ $\bar{\bar{}}$ 200 MM C/C	8 $\bar{\bar{}}$ $\bar{\bar{}}$ 200 MM C/C	8 $\bar{\bar{}}$ $\bar{\bar{}}$ 175 MM C/C	8 $\bar{\bar{}}$ $\bar{\bar{}}$ 175 MM C/C

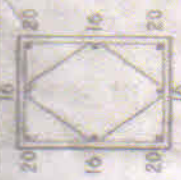

SCHEDULE OF PILE

PILE CAP MKD.	COLUMN MKD.	DIA (MM)	NO OF PILE	DETAILS OF PILE PROVIDED			LONGITUDINAL STRPS	REMARKS
				CUT-OFF LENGTH (M)	LENGTH OF PILE (M)	REINF. AT SPAN		
PC1	C1 TO C4, C7, C11 TO C13, C16 TO C24, C27 TO C29	450	2	1.50	16.0	2-12 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 200 C/C	TIE BEAM
PC2	C5, C6, C8 TO C10, C14, C25, C26, C30	450	3	1.50	18.0	2-12 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 200 C/C	TIE BEAM

SCHEDULE OF TIE BEAM :-

BEAM MKD.	SIZE (MMxMM)	REINF. AT SUPT.		REINF. AT SPAN		STRPS	REMARKS
		TOP	BOT	TOP	BOT		
TB1	250x300	2-12 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	3-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	3-12 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 150 C/C	TIE BEAM
TB2	250x350	2-16 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	2-12 $\bar{\bar{}}$ + 1-16 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 175 C/C	TIE BEAM
TB3	250x400	2-16 $\bar{\bar{}}$ + 2-12 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 2-12 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 1-12 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 175 C/C	TIE BEAM
TB4	250x450	4-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 2-20 $\bar{\bar{}}$	4-16 $\bar{\bar{}}$	2-16 $\bar{\bar{}}$ + 2-20 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 2L $\bar{\bar{}}$ 175 C/C	TIE BEAM

SCHEDULE OF COLUMN :-

COL. MKD.	SECTION (MM)	LONGITUDINAL REINFORCEMENT	LATERAL TIE	REMARKS
C5, C9, C14, C18, C19, C21, C29	280x450	4-16 $\bar{\bar{}}$ + 4-20 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 4L $\bar{\bar{}}$ 175 C/C	
C22, C25, C26	250x450	8-20 $\bar{\bar{}}$	8 $\bar{\bar{}}$ 4L $\bar{\bar{}}$ 175 C/C	

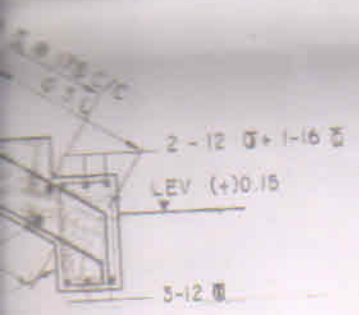
THK 110
R/S 163

1250

8 $\bar{\bar{}}$ $\bar{\bar{}}$ 150 C/C



FLOOR BEAM		SCHEDULE OF COLUMN				
COL. MKD.	SECTION (MM)	LONGITUDINAL REINFORCEMENT	LATERAL TIE	REMARKS		
C1 TO C4, C7, C8, C11 TO C13, C16, C17, C20, C23, C24, C27, C28, C30	250X450	8-16 $\bar{\text{u}}$	8 $\bar{\text{u}}$ 4L $\bar{\text{u}}$ 175 C/C			
C5, C9, C14, C15, C19, C21, C29	250X450	4-16 $\bar{\text{u}}$ + 4-20 $\bar{\text{u}}$	8 $\bar{\text{u}}$ 4L $\bar{\text{u}}$ 175 C/C			
C22, C25, C26	250X450	8-20 $\bar{\text{u}}$	8 $\bar{\text{u}}$ 4L $\bar{\text{u}}$ 175 C/C			
C10, C18	250X450	4-20 $\bar{\text{u}}$ + 4-16 $\bar{\text{u}}$	8 $\bar{\text{u}}$ 6L $\bar{\text{u}}$ 175 C/C			
C6	250X450	8-20 $\bar{\text{u}}$ + 4-16 $\bar{\text{u}}$	8 $\bar{\text{u}}$ 6L $\bar{\text{u}}$ 175 C/C			



ALL DIMENSIONS ARE IN MM.

PROPOSED (G + 4) STORED RESIDENTIAL BUILDING PLAN OF
SRI UMASANKAR ROY & SRI SUSOVAN ROY,
 AT R. S. DAG NO. - 759, L. R. DAG NO. - 771, L. R. KHATIAN NOS. -
 1673, 1661, J. L. NO. - 106, MOUZA - KHALIA, P. S. - LILUAH,
 DIST. - HOWRAH.

SIG. OF STRUCTURAL ENGINEER

I CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT, AS PER THE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS, WIND, SEISMIC LOAD AND MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER BIS AND NBC OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS AND THESE PROVISIONS SHALL ADHERE TO DURING THE CONSTRUCTION.

P. K. CHATTOPADHYAY,
 B. E. CIVIL, AIE
 A/5011571/S

SIG. OF L.R.S

ALL DIMENSIONS ARE IN METRE.
 GRADE OF GRADE M-20

GRADE OF (1:2:4)
 SHALL CONFORM

ANCHOR (LD) LENGTH SHALL
 SMALLER BAR
 MOMENT SHALL BE

BOTTOM	SIDE
50 MM	75 MM
40 MM	25 MM
25 MM	40 MM
25 MM	25 MM
25 MM	25 MM
15 MM	25 MM

ALL DIMENSIONS ARE IN MM.

PROPOSED (G + 4) STORIED RESIDENTIAL BUILDING PLAN OF
SRI UMASANKAR ROY & SRI SUSOVAN ROY,
AT R. S. DAG NO. - 759, L. R. DAG NO. - 771, L. R. KHATIAN NOS. -
1673, 1661, J. L. NO. - 106, MOUZA - KHALIA, P. S. - LILUAH,
DIST. - HOWRAH.

ALL DIMENSIONS ARE IN METRE.
GRADE OF GRADE M-20

GRADE OF (1-2.4)
SHALL CONFORM

ANCHOR (Lb) LENGTH SHALL
SMALLER BAR
EMENT SHALL BE

BOTTOM	SIDE
50 MM	75 MM
60 MM	25 MM
	60 MM
25 MM	25 MM
25 MM	25 MM
15 MM	25 MM

SIG. OF STRUCTURAL ENGINEER

I CERTIFY THAT THE STRUCTURAL DRAWING AND DESIGN OF BOTH THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING HAS BEEN MADE CONSIDERING THE SOIL TEST REPORT. AS PER THE RULES AND REGULATIONS MADE UNDER THE ACT AND ALSO CONSIDERING ALL POSSIBLE LOADS, WIND, SEISMIC LOAD AND MOMENTS GENERATED BY THE PROPOSED STRUCTURE AS PER BIS AND NBC OF INDIA AND CERTIFIED THAT IT IS SAFE AND STABLE IN ALL RESPECTS AND THESE PROVISIONS SHALL ADHERE TO DURING THE CONSTRUCTION.

[Signature]
P.K. CHATTOPADHYAY.
B. E. CIVIL. AIE
A/501157/B

SIG. OF L. B. S.

I CERTIFIED THAT THE SITE CONDITION INCLUDING THE WIDTH OF ABUTTING ROAD CONFIRM WITH PLAN AND THAT IS A BUILD ABLE SITE AND NOT A TANK OR FILLED UP TANK. THE PLOT IS BORDERED BY BOUNDARY WALL. THE WIDTH OF ROAD IS 3.910 M.

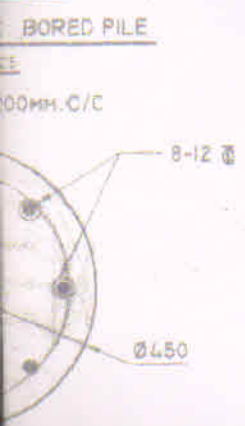
[Signature]
RAM CHANDRA KANRAR
L.B.S. (H.Z.P) No. 30-CLASS-I
Dharsha, Sethpara, G.I.P. Colony,
Jagacha, Howrah
Mob. :- 9830047085

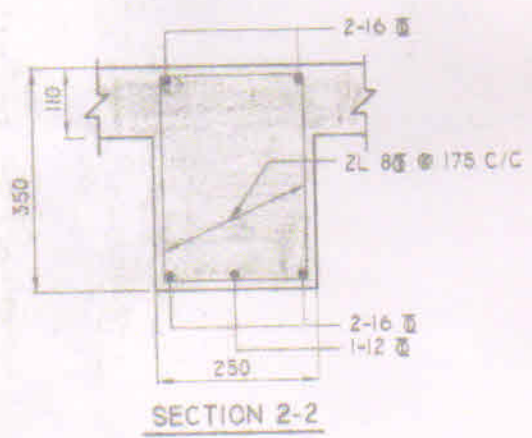
SIG. OF OWNER

I / WE HERE BY UNDERTAKE THAT THE LAND OF SHOWN IN THE PLAN BY RED LINE IS BELONG TO BE AND IF ANY DISPUTE ARISES IN FUTURE FOR THE LAND THEN I WILL BE HELD RESPONSIBLE FOR THE SAME.

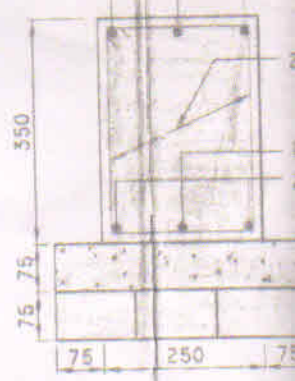
[Signature]
[Signature]
Amas Nath Keswari
For TLB GROUP

Partner

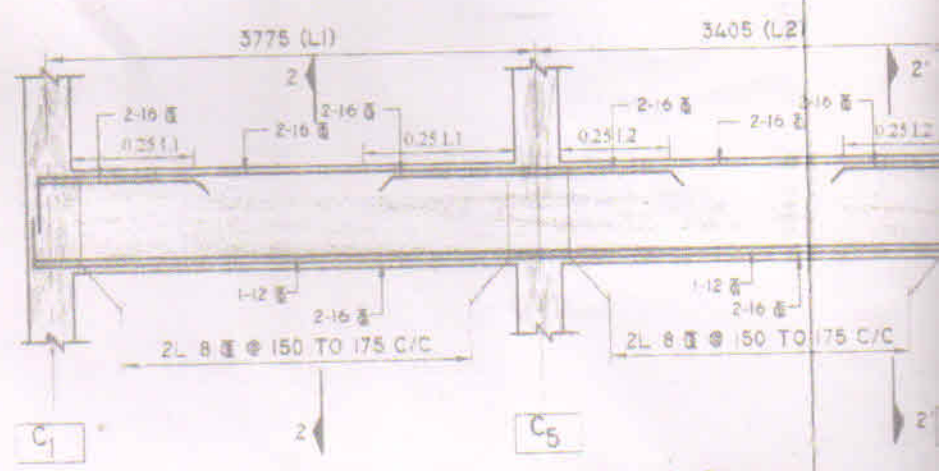




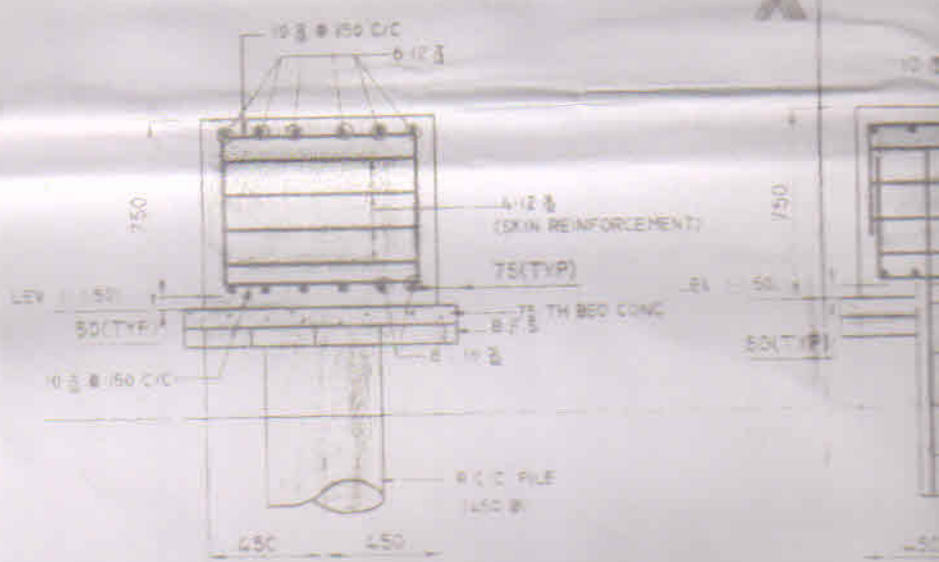
SECTION 2-2



SECTION 1-1

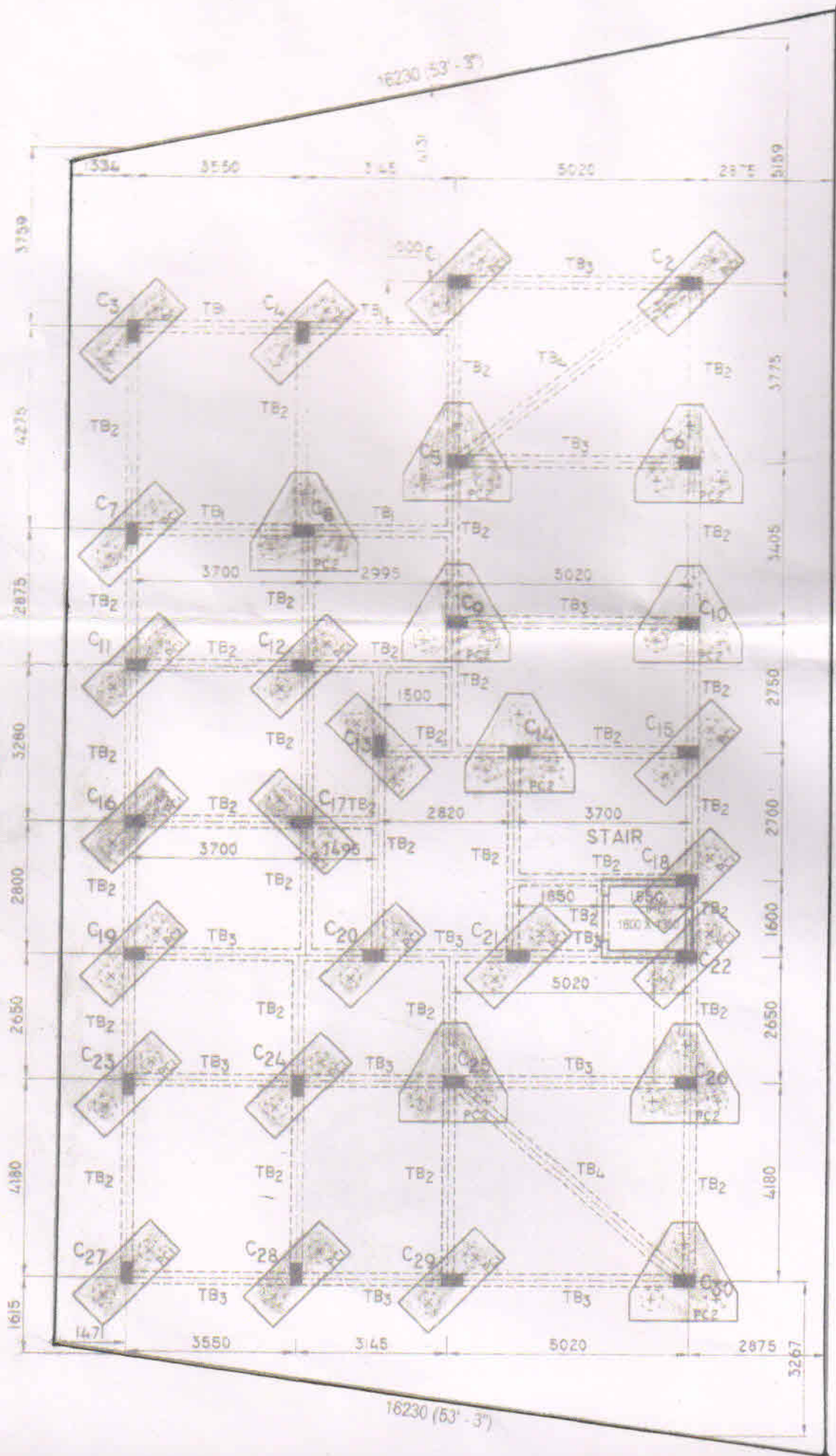


DTLS. OF R.C.C. FLOOR BEAM MKD. B6

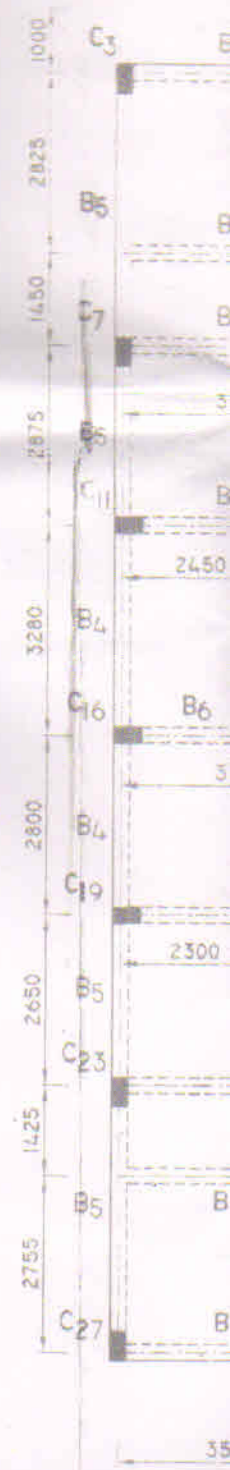


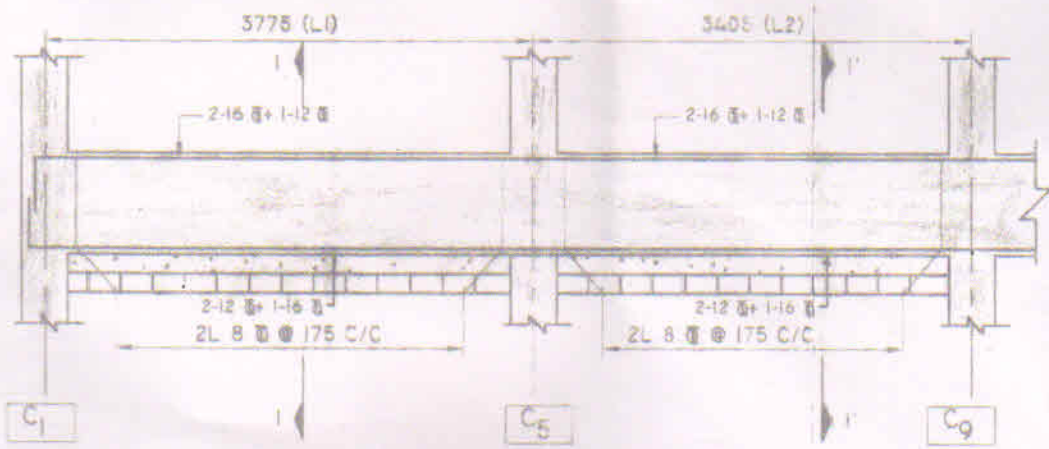
SECTION ON X-X



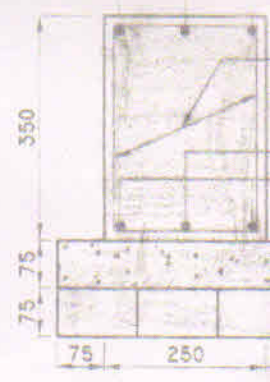


STRUCTURAL LAY-OUT PLAN

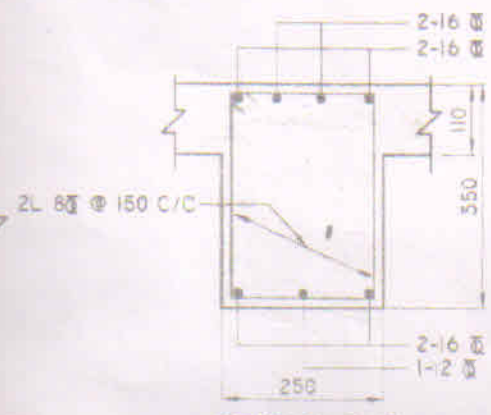




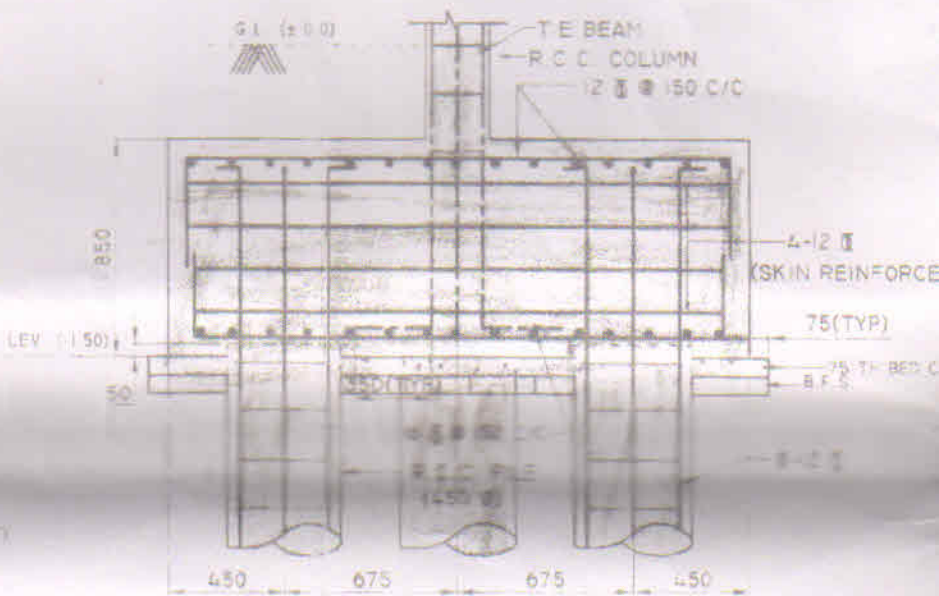
DTLS. OF R.C.C. TIE BEAM MKD. TB2



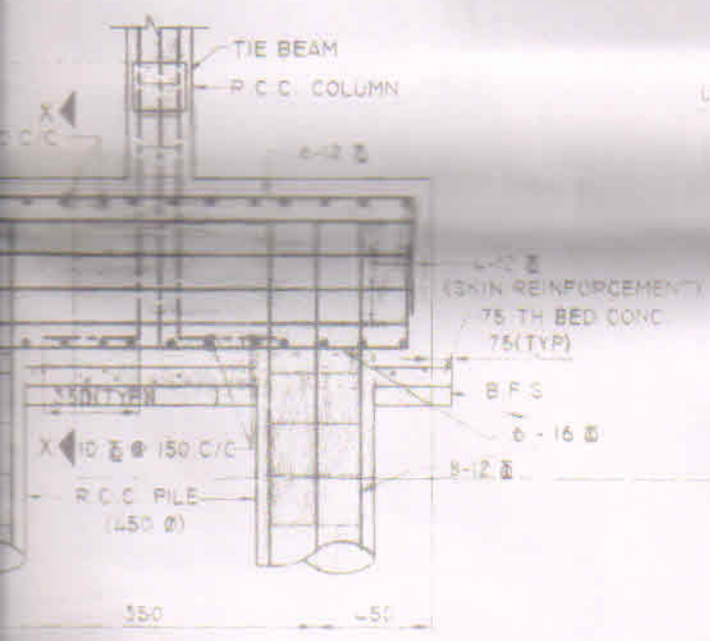
SECTION I-I



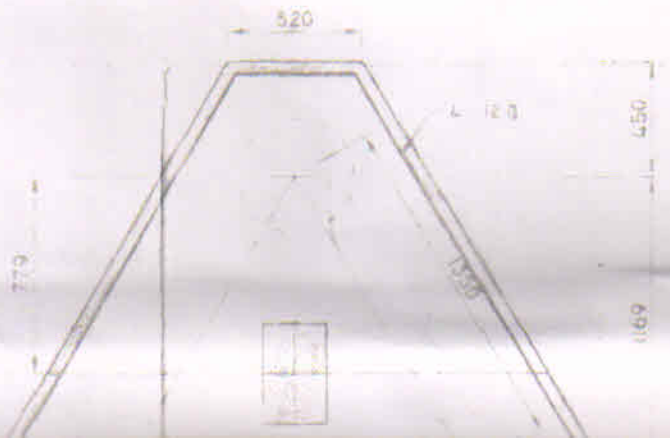
SECTION 2-2'

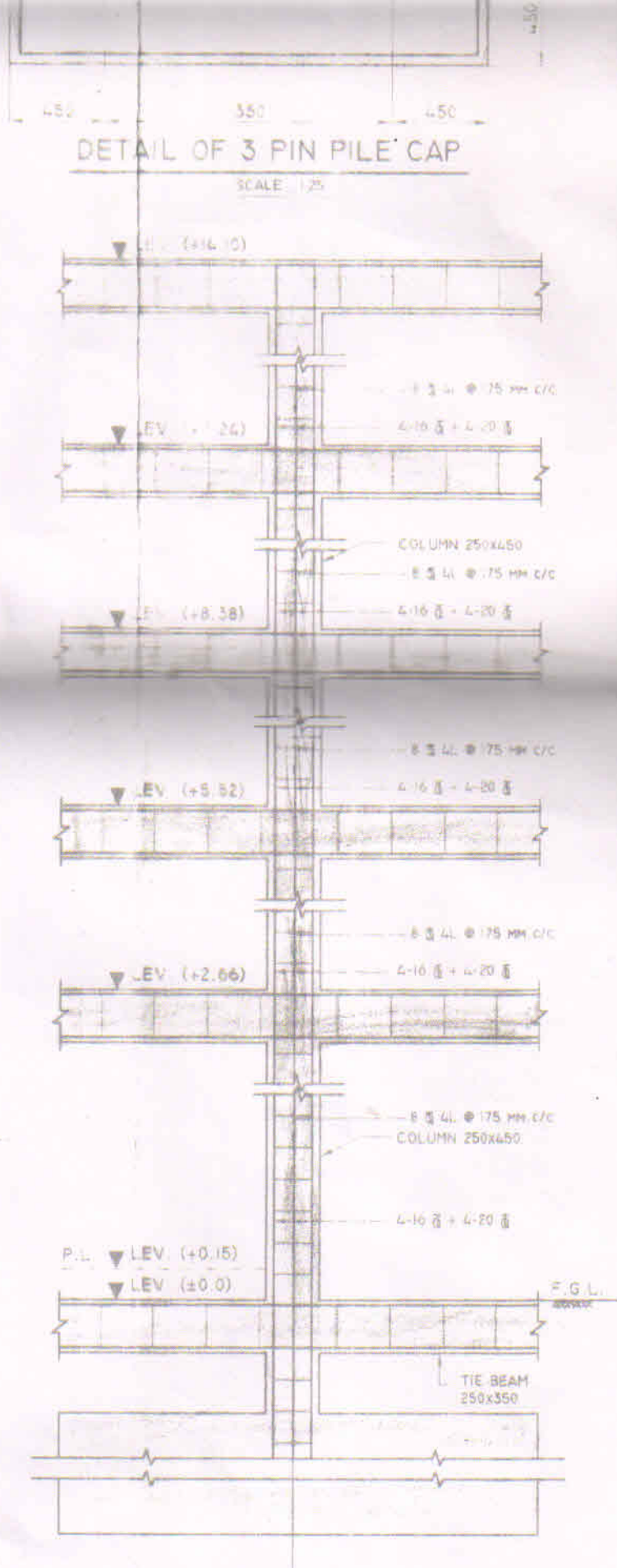
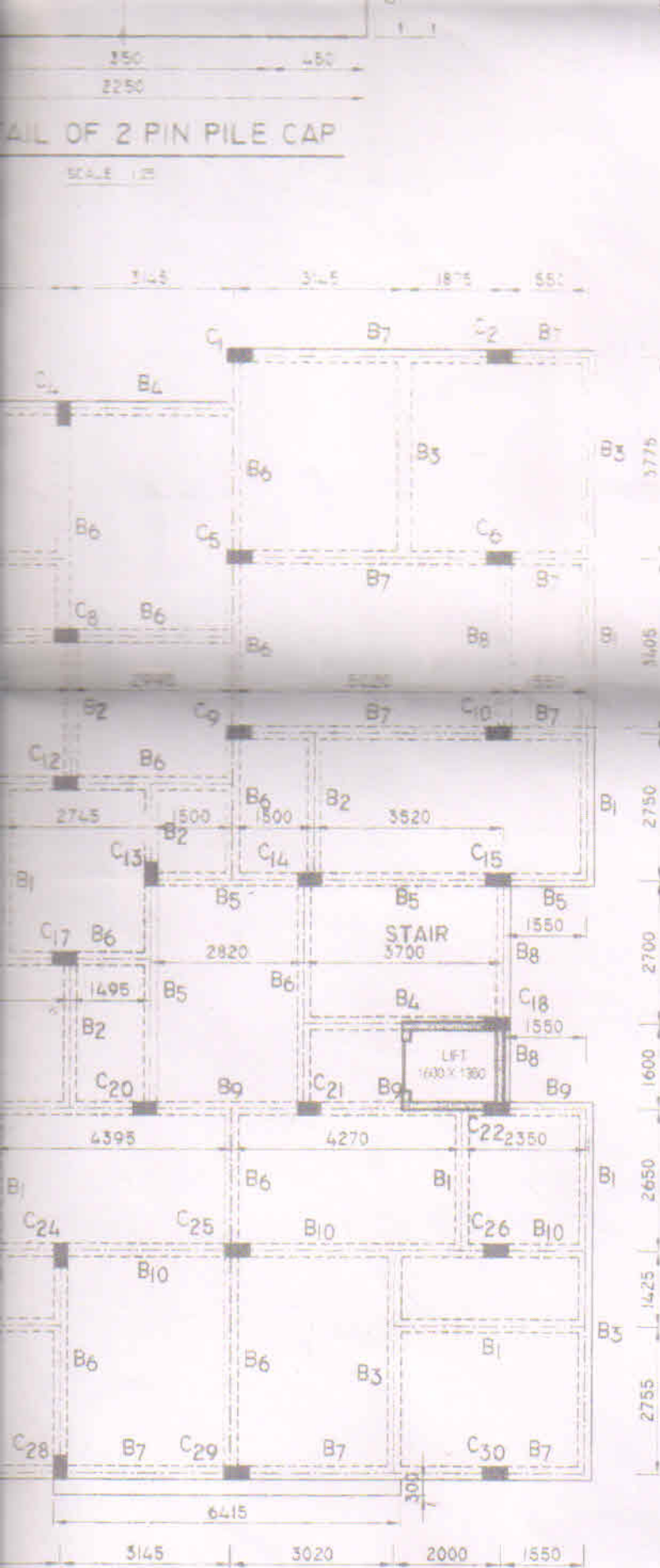


SECTION ON 2-2

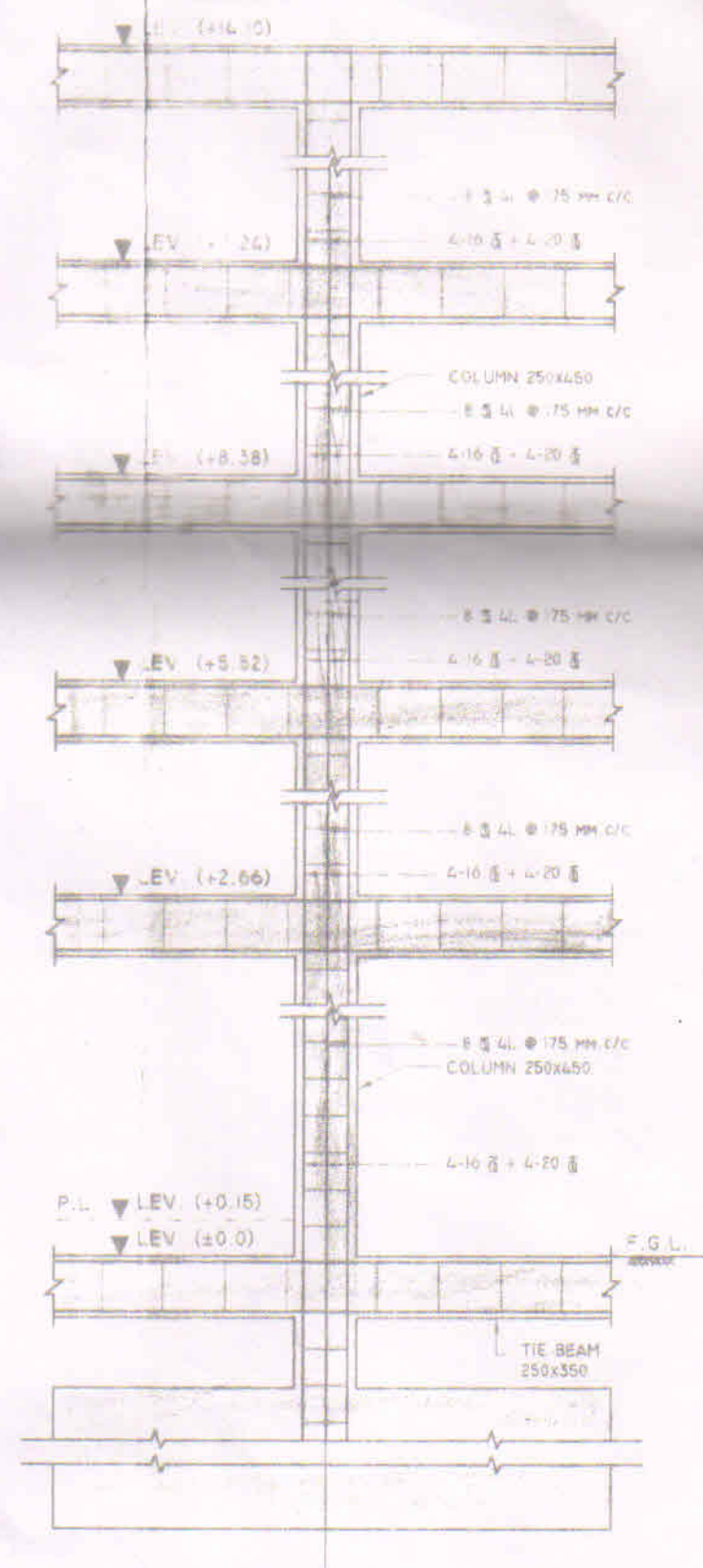


SECTION ON I-I





DETAIL OF 3 PIN PILE CAP
SCALE - 1/25



DETAILS OF R.C.C. COLUMN (C5)
SCALE - 1/25

SCHEDULE OF FLOOR BEAM :-

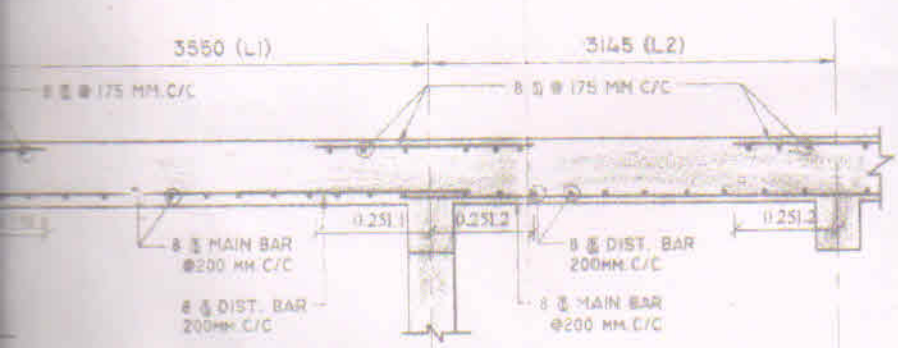
BEAM MKD.	SIZE (MMxMM)	REINF. AT SPAN		REIN. AT SUPP.
		TOP	BOT	
B1	250x300	2-12 $\bar{\phi}$	2-12 $\bar{\phi}$ + 2-12 $\bar{\phi}$	2-12 $\bar{\phi}$ + 1-16 $\bar{\phi}$
B2	250x300	2-12 $\bar{\phi}$	2-12 $\bar{\phi}$ + 1-12 $\bar{\phi}$	2-12 $\bar{\phi}$ + 2-16 $\bar{\phi}$
B3	250x350	2-12 $\bar{\phi}$	2-16 $\bar{\phi}$ + 1-12 $\bar{\phi}$	2-12 $\bar{\phi}$ + 1-16 $\bar{\phi}$
B4	250x350	2-16 $\bar{\phi}$	2-16 $\bar{\phi}$	2-16 $\bar{\phi}$ + 1-16 $\bar{\phi}$
B5	250x350	2-12 $\bar{\phi}$	2-16 $\bar{\phi}$ + 1-12 $\bar{\phi}$	2-12 $\bar{\phi}$ + 2-20 $\bar{\phi}$
B6	250x350	2-16 $\bar{\phi}$	2-16 $\bar{\phi}$ + 1-12 $\bar{\phi}$	2-16 $\bar{\phi}$ + 2-16 $\bar{\phi}$
B7	250x400	2-20 $\bar{\phi}$	3-16 $\bar{\phi}$	2-20 $\bar{\phi}$ + 2-20 $\bar{\phi}$
B8	250x350	2-16 $\bar{\phi}$	3-16 $\bar{\phi}$	2-16 $\bar{\phi}$ + 2-16 $\bar{\phi}$
B9	250x400	2-20 $\bar{\phi}$	2-16 $\bar{\phi}$ + 1-16 $\bar{\phi}$	2-20 $\bar{\phi}$ + 2-16 $\bar{\phi}$
B10	250x450	2-20 $\bar{\phi}$	2-20 $\bar{\phi}$ + 1-16 $\bar{\phi}$	2-20 $\bar{\phi}$ + 2-20 $\bar{\phi}$

SCHEDULE OF SLAB :-

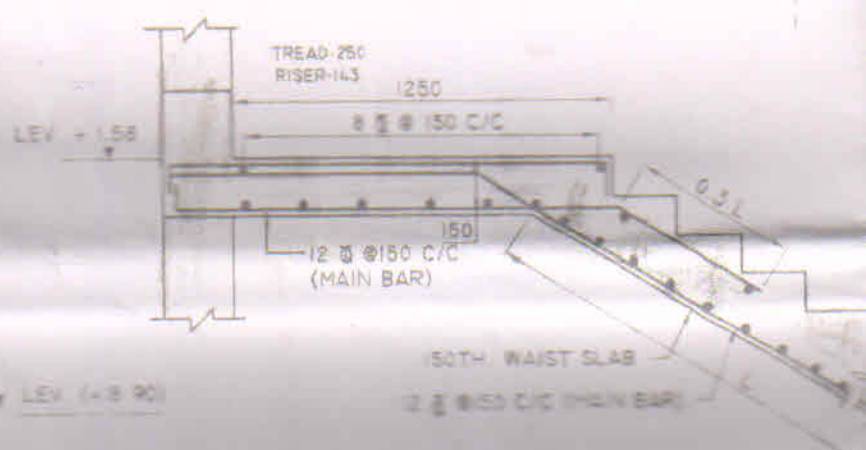
PANEL MKD.	THK (MM)	REINFORCEMENT AT BOTTOM	
		SHORT DIREC.	LONG DIREC.
ALL	110	8 $\bar{\phi}$ @ 200 MM. C/C	8 $\bar{\phi}$ @ 200 MM. C/C

8 $\bar{\phi}$ @ 175 C/C

F.C.C.
B.F.S.



C₄
DETAILS OF SLAB



DETAILS OF STAIR

100 TH LT (2.2.7)

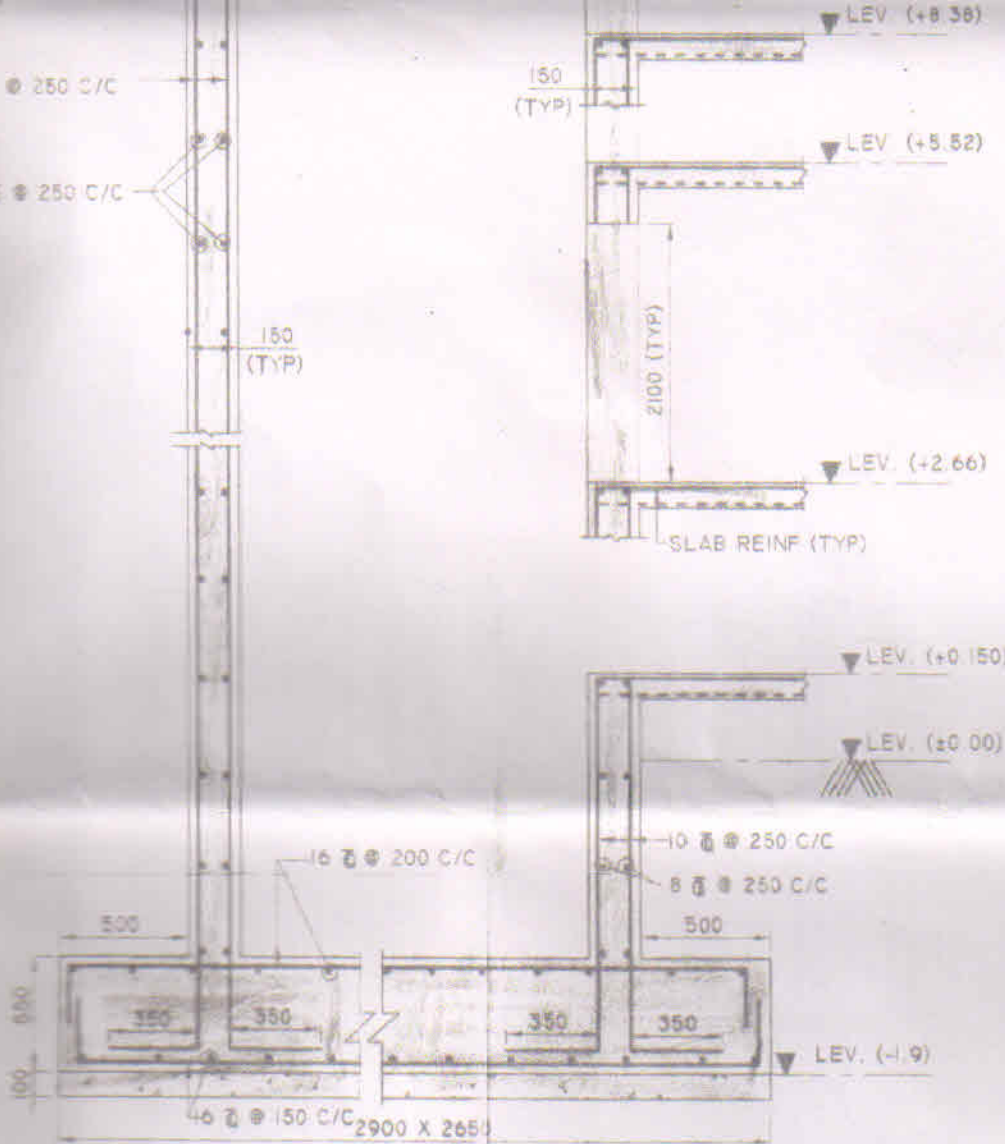


LEV (+14.10)

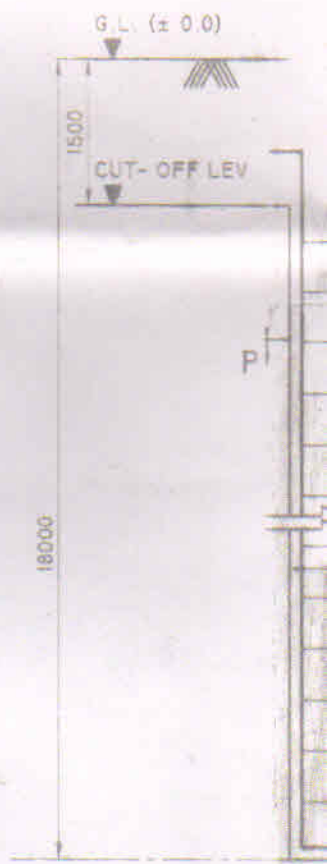
LEV (+11.24)

NOTES :

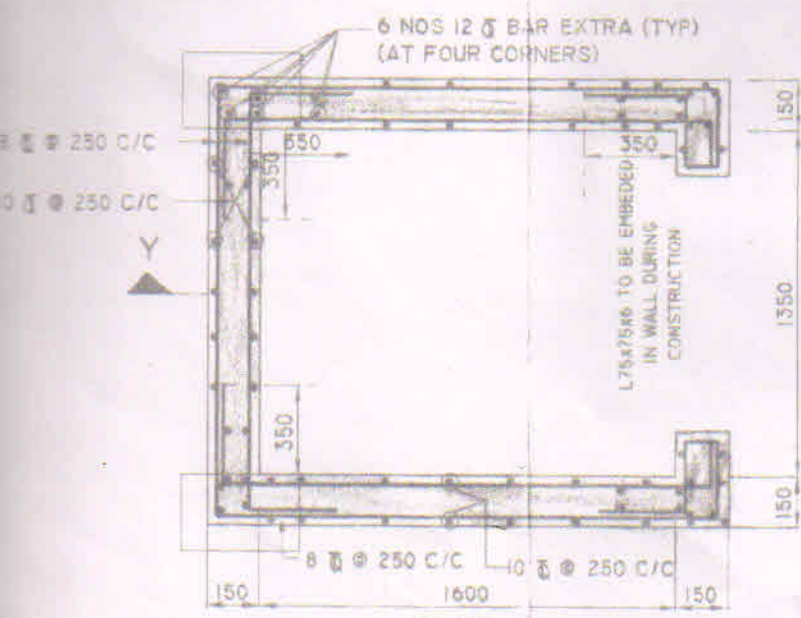
- CONFORMING TO IS 456-2000
3. ALL LEAN CONCRETE SHALL
 4. ALL REINFORCEMENT STEEL TO IS 1786-1985 OF GRADE FE
 5. UNLESS NOTED OTHERWISE L BE 50 TIMES OF DIAMETER OF
 6. CLEAR COVER TO MAIN REIN AS FOLLOWS-
- | ITEMS | TOP |
|---------------|-------|
| A) PILE | |
| B) PILE CAP | 25 MM |
| C) COLUMN | |
| D) TIE BEAM | 25 MM |
| E) FLOOR BEAM | 25 MM |
| F) ROOF SLAB | 25 MM |



SECTION Y-Y



DETAILS OF R.C. SECTION



PLAN
STRUCTURAL DETAILS OF LIFT
SCALE - 1/25



SECTION OF
SCALE - 1/25



A
District Engineer
HOWRAH ZILLA PARISHAD

AK
30.5.19