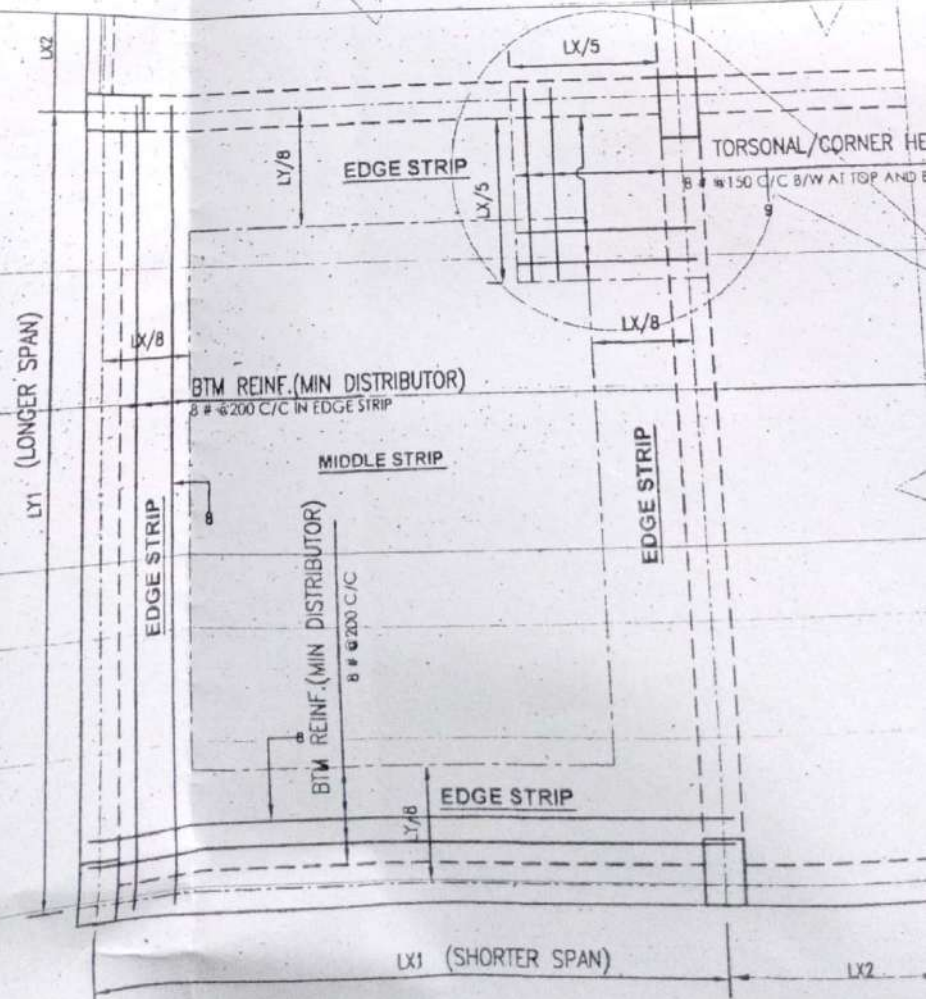
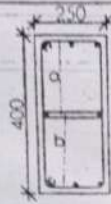
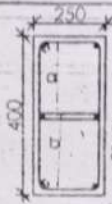
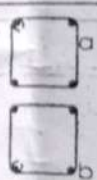
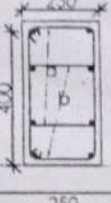
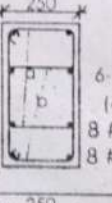
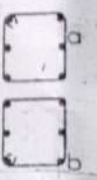
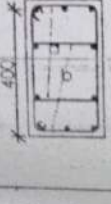
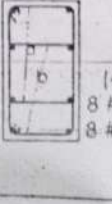



TYP. ARRANGEMENT OF REINF. IN SLAB PANNEL  
SCALE - 1:25

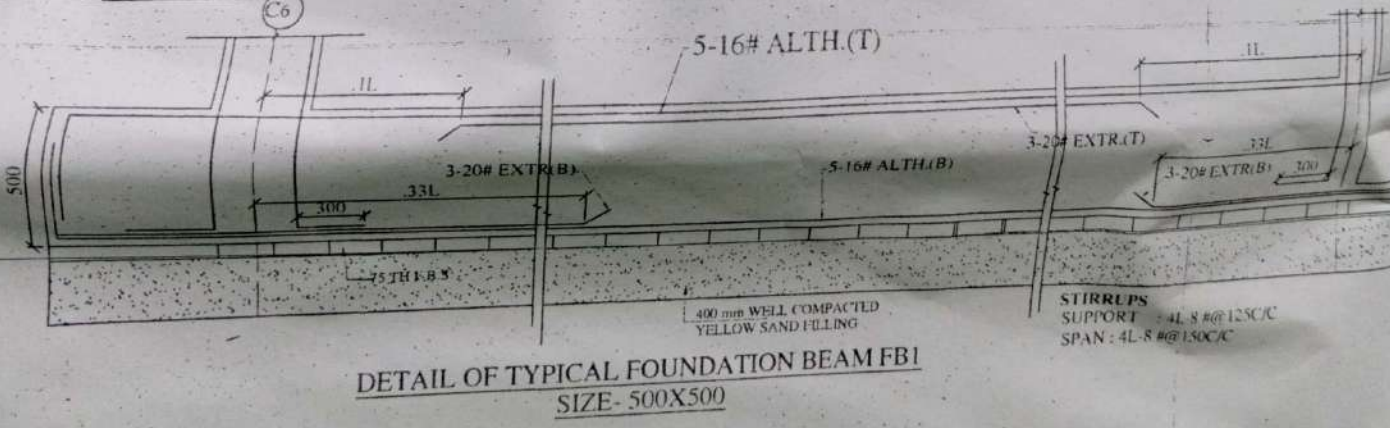
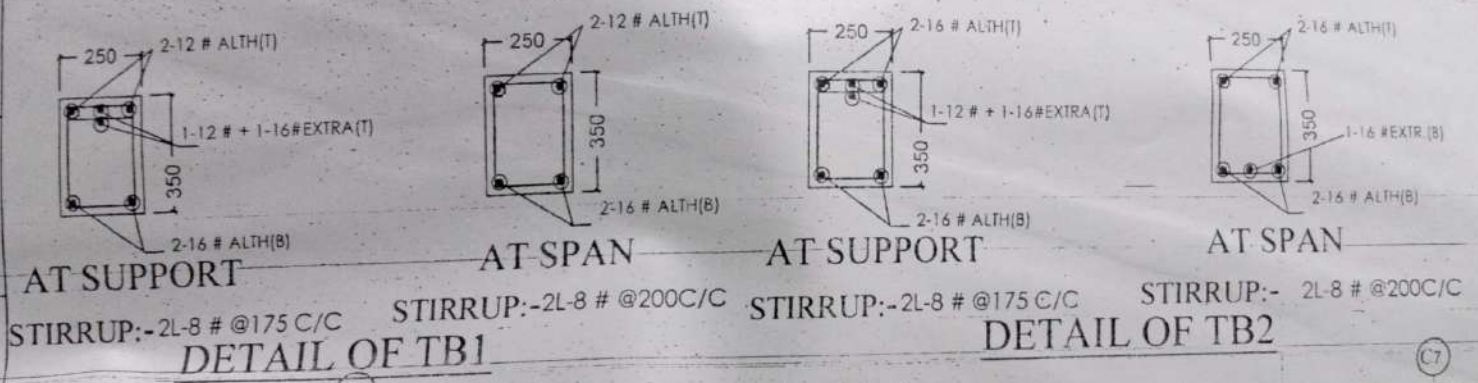


SCHEDULE OF R.C.C. COLUMN :-- CONCRETE GRADE = M25

GR-MARK	COLUMN-MARK	LINK ARRANGEMENT		
		GR. TO 2ND FL. LEV.	UPTO ROOF LEV.	
GR-I	C1,C3,C17,C18	 <p>6-16#+2-12# (2 NOS/SET) 8 # @125 C/C 8 # @175 C/C</p>	 <p>4-16 #+2-12# (2 NOS/SET) 8 # @125 C/C 8 # @175 C/C</p>	
GR-II	C2,C4,C5,C8,C11 C12,C13,C14,C15 C16	 <p>8-16 # (4 NOS/SET) 8 # @125 C/C 8 # @175 C/C</p>	 <p>6-16 #+2-12# (4 NOS/SET) 8 # @125 C/C 8 # @175 C/C</p>	
GR-III	C6,C9	 <p>10-16 # (4 NOS/SET) 8 # @125 C/C 8 # @175 C/C</p>	 <p>8-16 # (4 NOS/SET) 8 # @125 C/C 8 # @175 C/C</p>	

**SCHEDULE OF TIE BEAMS: (USE CONC. GRADE-M25)**

BEAM MKD.	SIZE	ALTH. TOP	ALTH. BOTTOM	REINFORCEMENT					
				EXTRA TOP AT CONT. SUPPORT	EXTRA BOTT AT SPAN.	EXTRA TOP AT DISCON.SUPPORT	STIRRUP AT SUPP.	STIRRUP AT SPAN	
TB1	250x350	2-12#	2-16#	1-12#+ 1-16#		1-12#+ 1-16#	2L-8# @175C/C	2L-8# @200C/C	
TB2	250x350	2-16#	2-16#	1-12#+ 1-16#	1-16#	1-12#+ 1-16#	2L-8# @175C/C	2L-8# @200C/C	



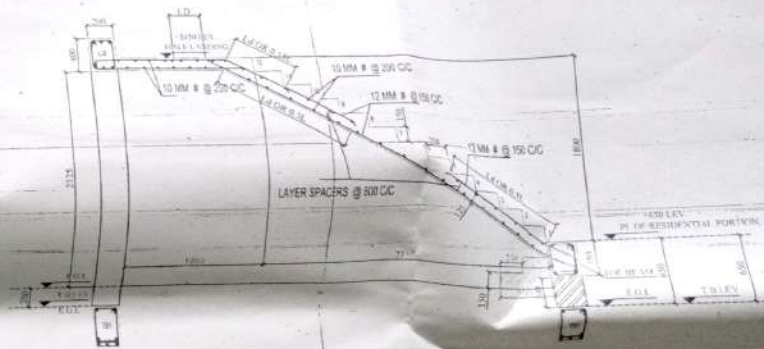
**SCHEDULE OF COMBINED COLUMN FOOTING & FOUNDATION BEAM**

(CONC. GRADE - M25)

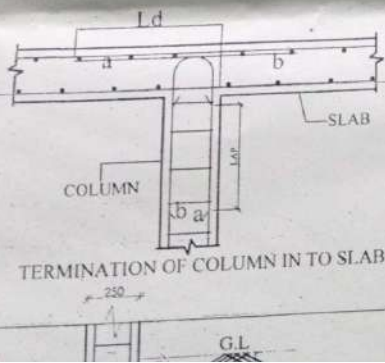
FOOTING MKD	SIZE AXB	d1	d2	REINFORCEMENT		BEAM SIZE bxd	TOP	BOTTOM	EXTRA REINF.			STIRRUPS	
				a1	a2				CONT. SUPP.(B)	MID. (T)	DISCONT. EDGE.	SUPP.	SPAN
CF1	7275 X 6875	200	250	12 # @ 150 C/C	10# @ 175 C/C	500x500	5 - 16 #	5 - 16 #	3 - 20 #	3 - 20 #	3 - 20 #	4L-8 # @ 125 C/C	4L-8 # @ 150 C/C

**SCHEDULE OF ISOLATED FOOTING**  
(CONC. GRADE - M25)

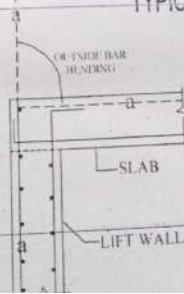
FOOTING MKD	SIZE (wXl)	d1	d2	REINFORCEMENT	
				a1	a2
FG1	2000X2000	200	200	12 # @ 175 C/C	12 # @ 175 C/C
FG2	2400X2400	200	250	12 # @ 150 C/C	12 # @ 150 C/C
FG3	2700X2700	200	250	12 # @ 125 C/C	12 # @ 125 C/C



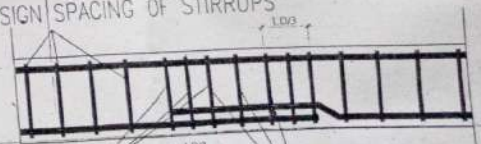
TYPICAL SECTION OF GR. TO 1ST FLOOR LEVEL STAIRCASE  
SCALE: 1/25



TERMINATION OF COLUMN IN TO SLAB



DESIGN SPACING OF STIRRUPS



MIN 3 NOS STIRRUPS WITHIN LD/3

# CERTIFICATE OF STRUCTURAL STABILITY

WE HERE BY CERTIFY THAT THE FOUNDATION & SUPER STRUCTURE OF THE BUILDINGS PROPOSED FOR CONSTRUCTION ON PLOT NO:264, WARD NO:26, HAVE BEEN SO DESIGNED BY / US WILL MAKE SUCH FOUNDATION & SUPERSTRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL ETC...

*Chiranjeet Das*

M.E in Structure, B.E, Diploma in Civil  
Member of ISE (I)

Enlistment Number : 2003116874

Mob.- 8981423147 / 9007175447

Signature.....*Chiranjeet Das*

SIGNATURE OF STRUCTURAL ENGINEER

## DECLARATION OF OWNER & ARCHITECT/L.B.S

I CERTIFY THAT ALL THE ARCHITECTURAL DRAWING OF THE PROJECT HAVE BEEN PREPARED BY ME COMPLYING WITH THE WEST BENGAL MUNICIPAL BUILDING RULE, 2007. I SHALL BE HELD RESPONSIBLE IF ANY INCORRECT INFORMATION IS FURNISHED BY ME OR ANY VIOLATION OF PROVISIONS OF THESE RULES ( THE WEST BENGAL MUNICIPAL BUILDING RULES 2007 ) IS FOUND IN ANY OF THE DRAWING AND DOCUMENTS, SIGNED BY ME AND SUBMITTED TO THE SANCTIONING AUTHORITY FOR OBTAINING SANCTION.

*Signature of Engineer*  
*Signature of Owner*

SIGNATURE OF ENGINEER

SIGNATURE OF OWNER

## NOTES

- 1) ALL DIMENSIONS ARE IN MM. UNLESS SPECIFIED.
- 2) GRADE OF CONCRETE -PILE = M-25 ,PILE CAP=M-25, BEAM=M-25,COLUMN= M-25 ,SLAB= M-25

SIGNATURE OF ENGINEER

*[Handwritten Signature]*  
SIGNATURE OF OWNER

## NOTES

- 1) ALL DIMENSIONS ARE IN MM. UNLESS SPECIFIED.
- 2) GRADE OF CONCRETE - PILE = M-25, PILE CAP=M-25, BEAM=M-25, COLUMN= M-25, SLAB= M-25
- 3) GRADE OF STEEL - H.Y.S.D. (Fe 415),(Fe 500)
- 4) DO NOT SCALE THE DRAWING, WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
- 5) BASIS OF DESIGN IS LIMIT STATE METHOD .
- 6) LAPS & ANCHORAGE OF REINF. 50 TIMES DIA OF BARS.
- 7) CLEAR COVER TO MAIN REINFORCEMENT PILE = 50MM , PILE CAP/FOUNDATION=75MM, BEAM= 25 MM. COLUMN= 40 MM, SLAB= 20 MM.
- 8) BEARING CAPACITY OF SOIL CONSIDERED AS PER SOIL REPORT.
- 9) CUT OFF LEVEL OF PILE =1.5 M BELOW G.L.
- 10) STRUCTURAL DESIGN IS MADE BY STAAD PRO & SAFE ARE CONSIDERING IS 456-2000, IS 1893-2002 ( SEISMIC CODE), IS 13920(SEISMIC DETAILING) AND LOAD IS CONSIDER AS PER IS 875
- 11) THIS DRAWING IS A PRIVATE & CONFIDENTIAL DOCUMENT OF THE CONSULTANT. IT MUST NOT BE COPIED OR CHANGED WITHOUT THEIR CONSENT.

PROJECT:- G+3 STORIED RESIDENTIAL BUILDING'S PLAN  
*PROPOSED G+3 STORIED RESIDENTIAL BUILDING  
PLAN AT MOUZA- OSMANPUR, J.L NO- 13, R.S DAG NO-  
639, R.K.P DEV ROAD, WARD-26, HOLDING NO-264,  
P.S-GHOLA. DISTRICT:- 24 PGS(N), UNDER PANIHATI  
MUNICIPALITY*

Name of owner:-1.SAMIR GANGULY 2. SUNIL GANGULY

THE CONSULTANT. IT MUST NOT BE COPIED OR CHANGED WITHOUT THEIR CONSENT.

PROJECT:- G+3 STORIED RESIDENTIAL BUILDING'S PLAN  
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P.S-GHOLA, DISTRICT:- 24 PGS(N), UNDER PANIHATI  
MUNICIPALITY*

Name of owner:-1.SAMIR GANGULY 2. SUNIL GANGULY

TITLE:-  
DETAILS OF FOUNDATION, GRID & COLUMN LAYOUT  
DETAILS OF SECTIONAL REINFORCEMENT, TIE BEAM & TYPICAL  
FLOOR BEAM FRAMING PLAN WITH ALL SECTIONAL DETAILS  
ALONG WITH ALL NECESSARY DUCTILITY DETAILS OF  
REINFORCEMENT.....

CONSULTANT :-

DIMENSION HOUSE AND ASSOCIATES  
17, ABHOY BANERJEE ROAD



DIMENSION  
HOUSE

SODEPORE-GHOLA  
KOLKATA-700111

PH:- 8981423147/9836331090

email:- dimension.house@gmail.com

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CONSULTANT :-

CHIRANJEET DAS ( M.E,B.E, DIPLOMA CIVIL)

+91-8981423147/+91-9007175447

AZIZ HOSSAIN (B.E, DIPLOMA CIVIL, B.COM)

+91-9836331090

SCALE :- 1 : 500 , 1 : 100 , 1 : 50 , 1 : 25

DRAWN BY :- Chiranjeet Das/Aziz Hossain

DATE:- 16.09.2017

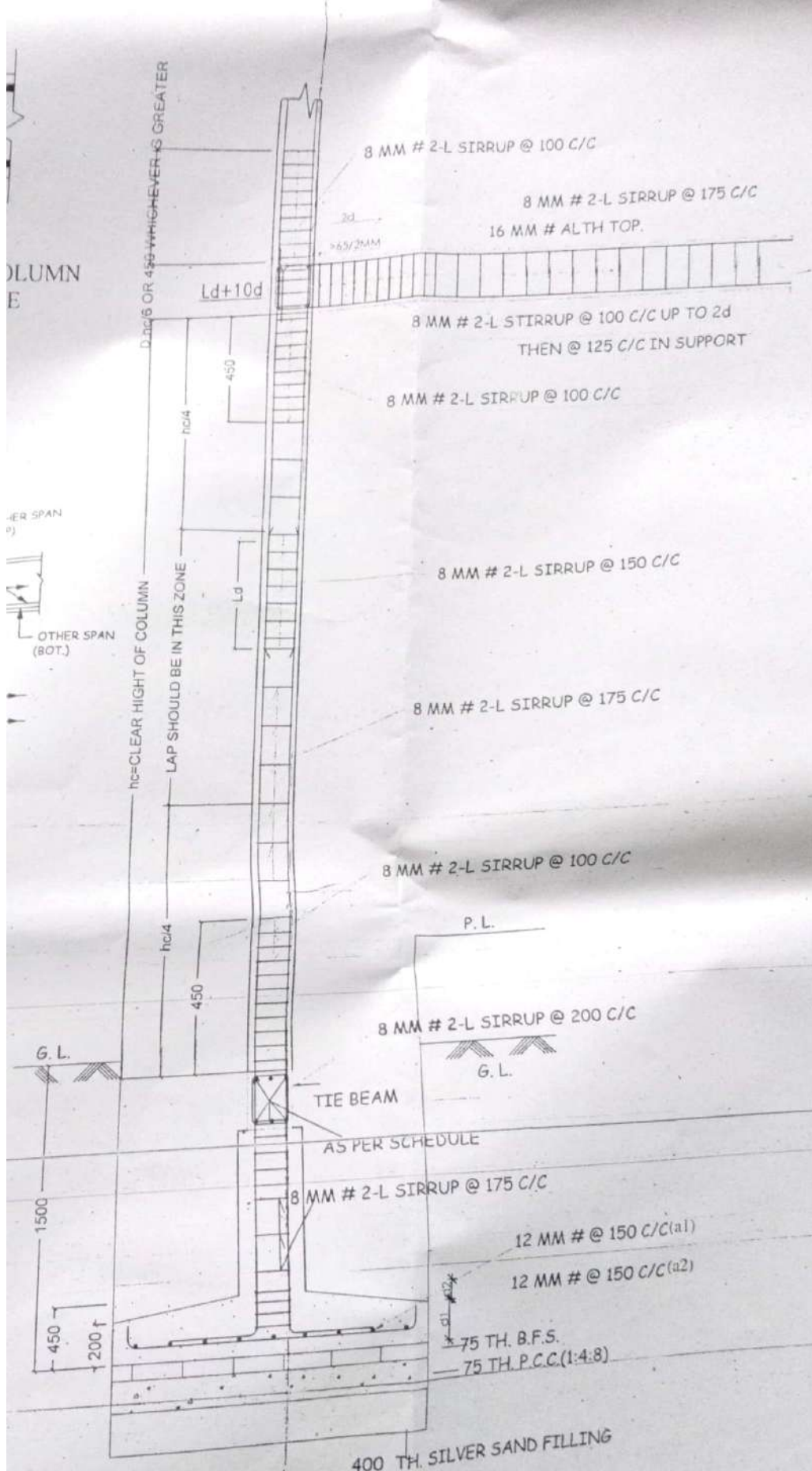
CHECKED BY :- Chiranjeet Das/Aziz Hossain

SUBJECT :-

FOUNDATION LAYOUT, TIE BEAM LAYOUT, TYPICAL FLOOR  
FRAMING PLAN, COLUMN LAYOUT, SLAB LAYOUT  
& DETAILS OF SAME.



DRG.NO :-DHA/R.K.P DEV ROAD/ BASU DA /STR-WORK-1/17-18

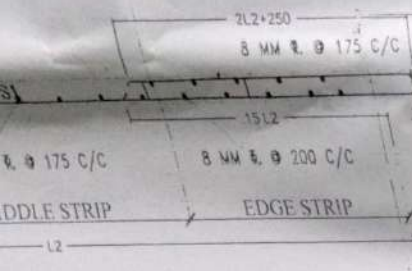
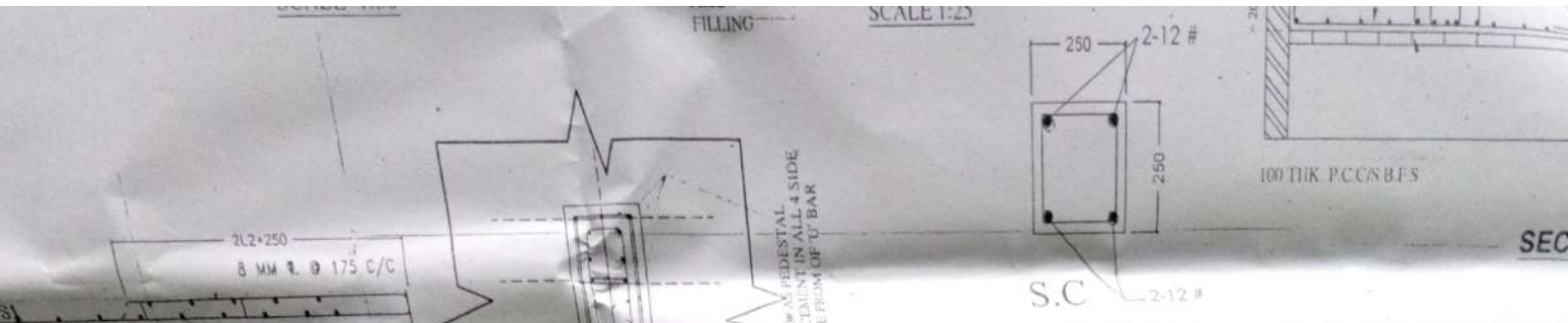


**TYPICAL SECTIONAL ELEVATION OF  
 COLUMN WITH DETAIL JOINT CONNECTION  
 AS PER IS 13920**

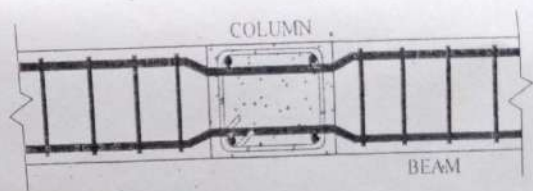
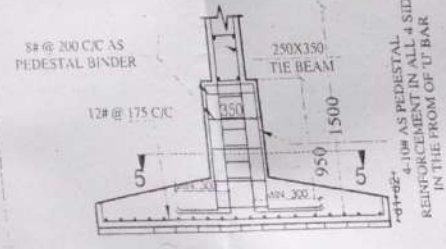


FILLING

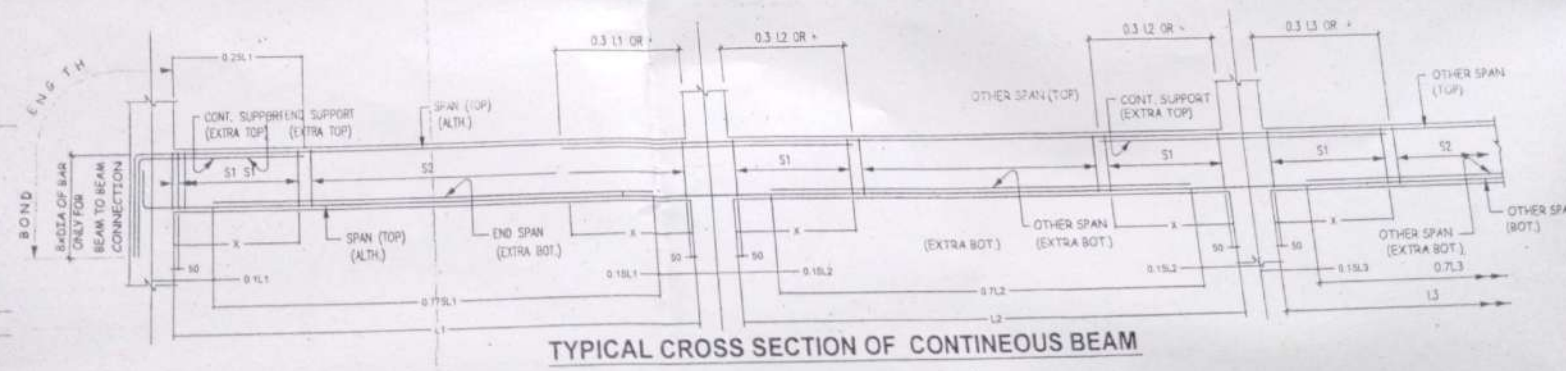
SCALE 1:25



SECTION THROUGH 5-5  
DETAILS OF TYP. PEDESTAL REINFORCEMENT



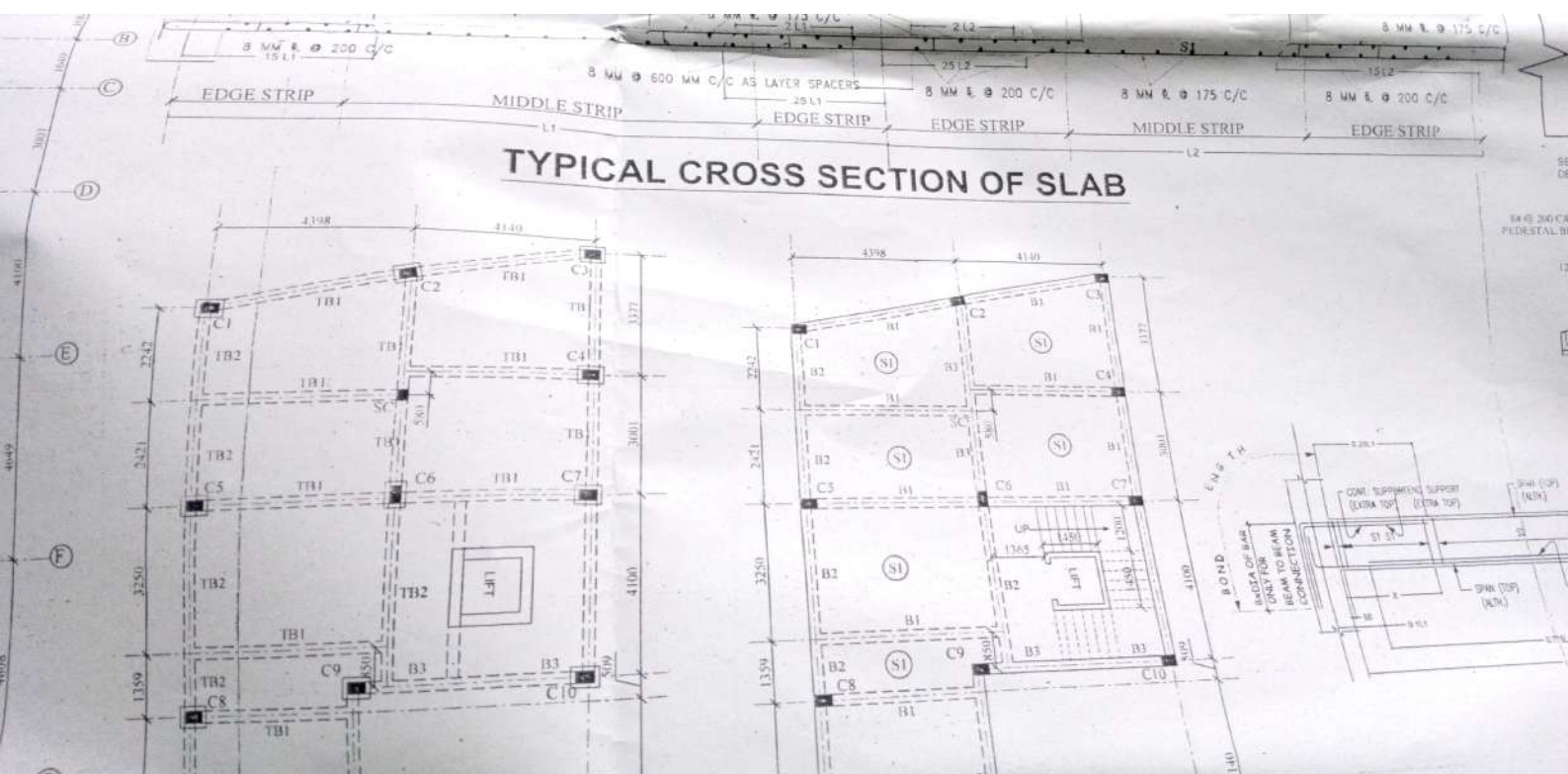
AT COLUMN BEAM JUNCTION ALL BEAM MAIN REINFORCEMENTS SHOULD PASS WITHIN THE COLUMN MIAN RODS TO MAINTAIN THE DUCTILITY OF THE STRUCTURE.

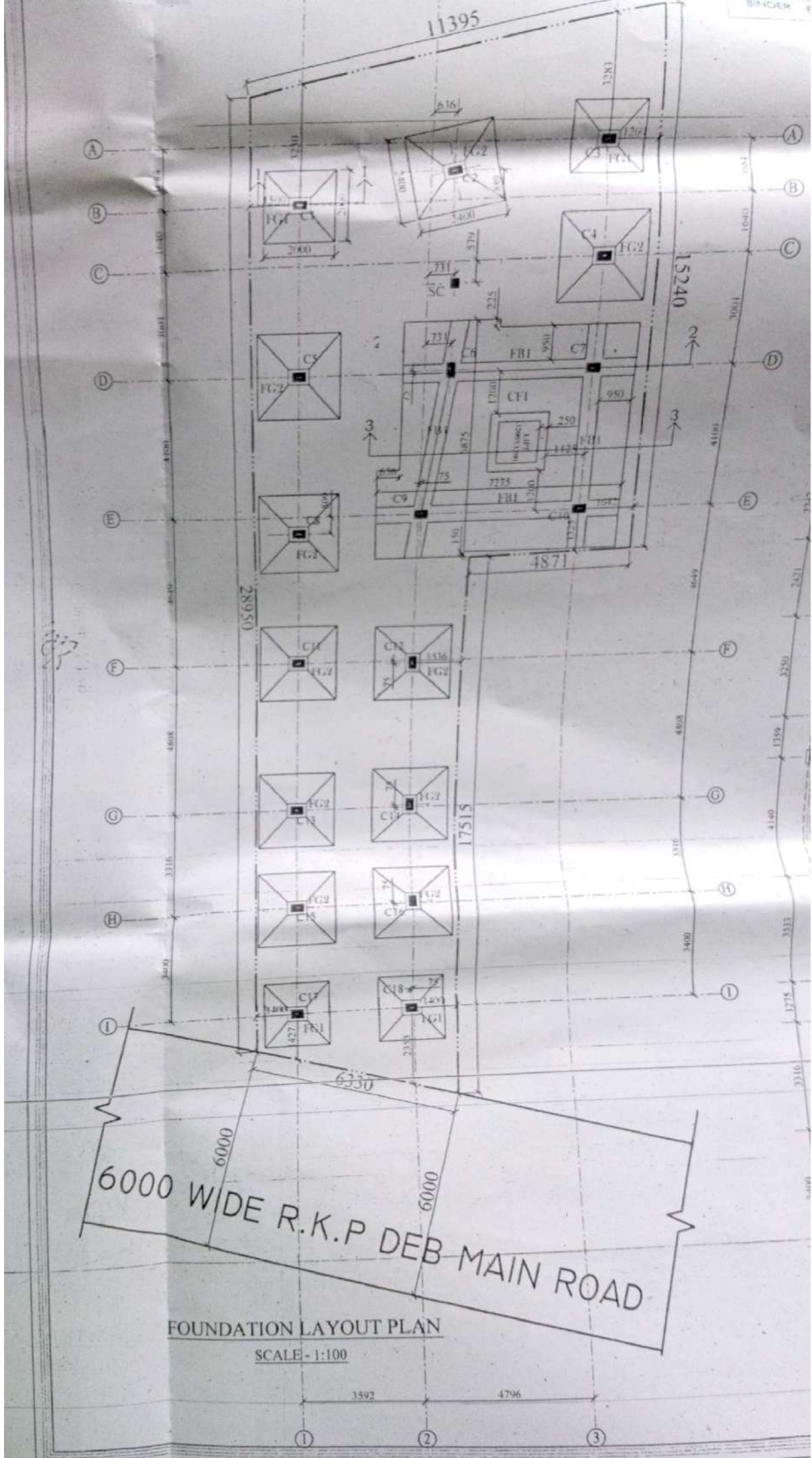


TYPICAL CROSS SECTION OF CONTINEOUS BEAM

+4600 FROM      8 # @ 150 C/C      8 # @ 200 C/C      8 # @ 150 C/C      125 MM THICK BW

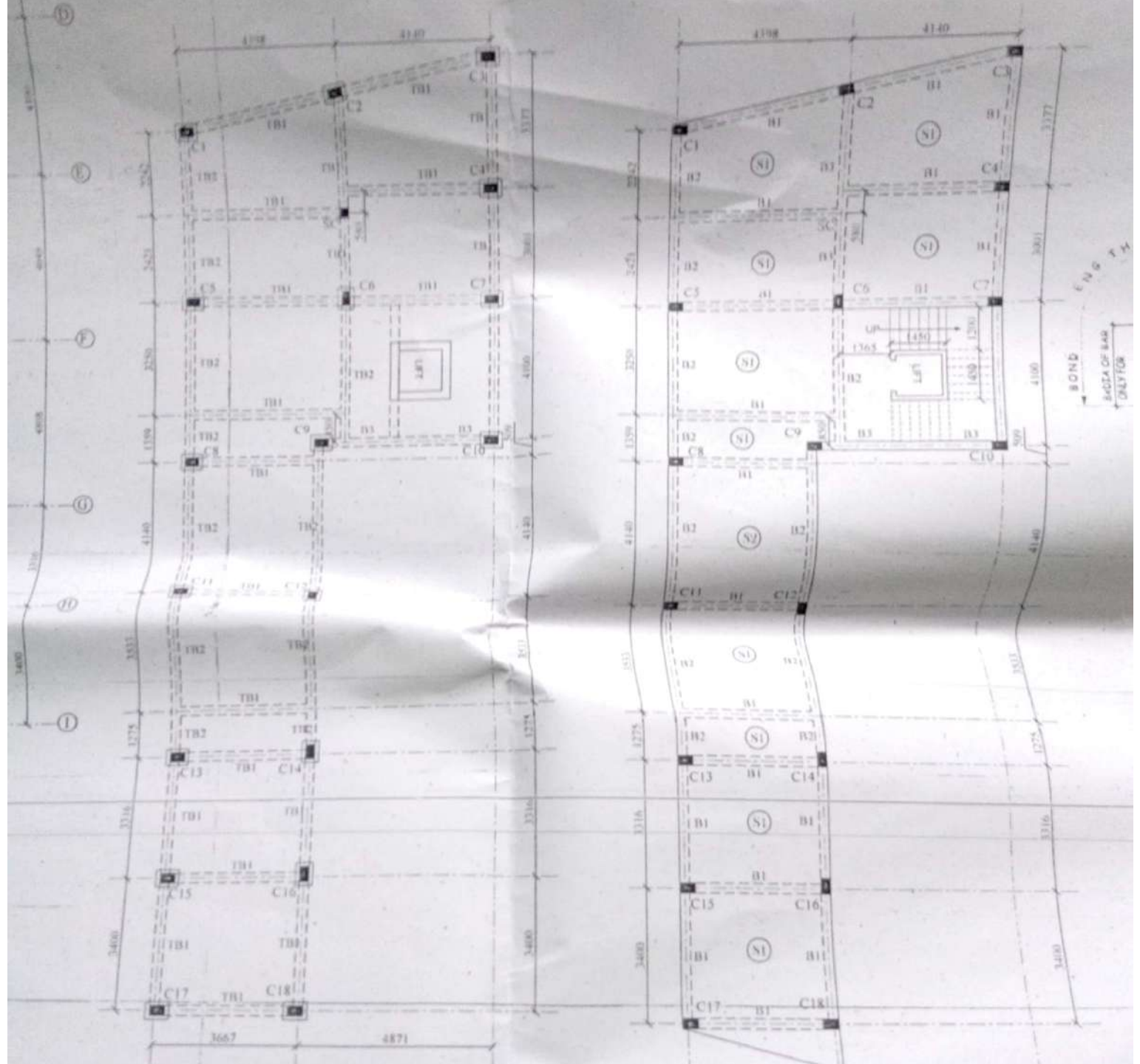
DES OR 486-WHICHEVER IS GREATER

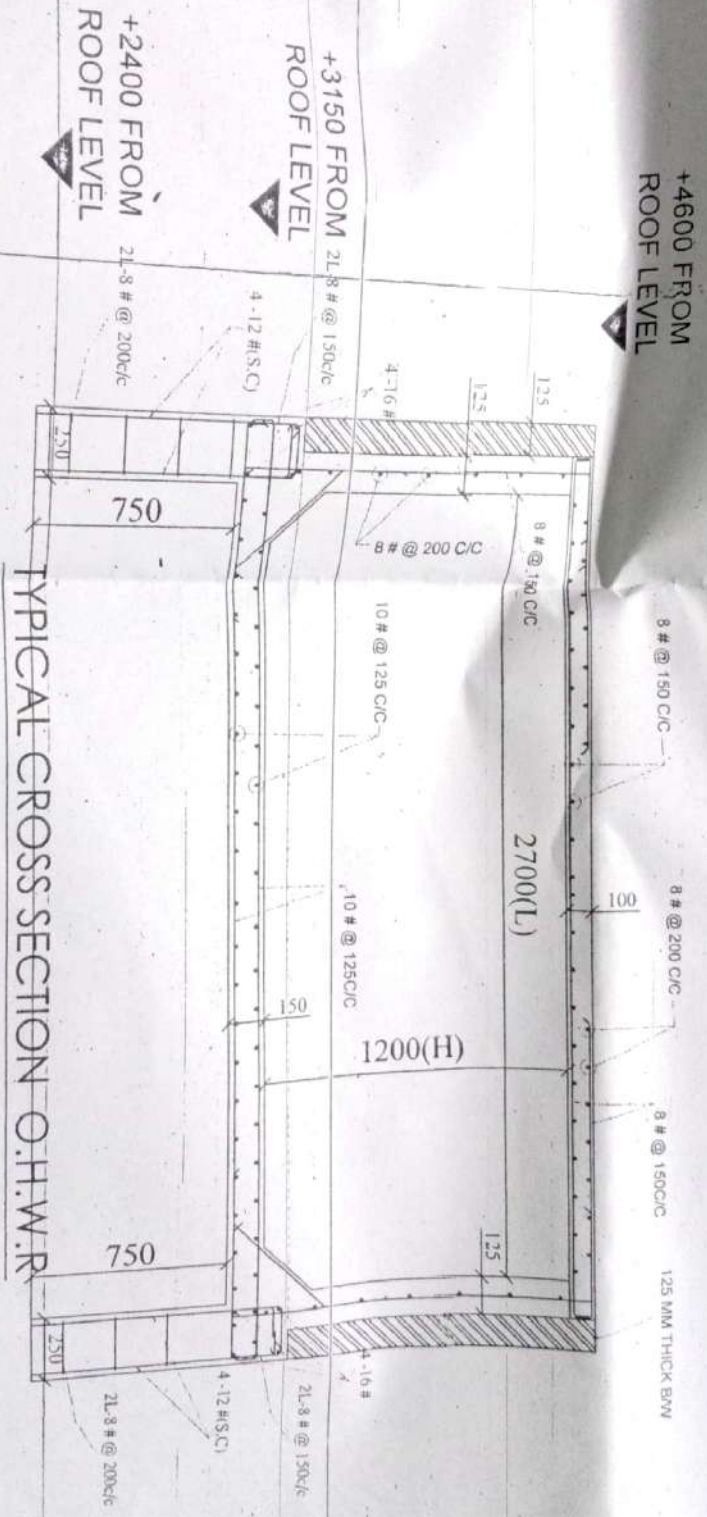




6000 WIDE R.K.P DEB MAIN ROAD

FOUNDATION LAYOUT PLAN  
SCALE - 1:100





TYPICAL CROSS SECTION O.H.W.R.  
ALONG 1-1

(SCALE = 1:25)