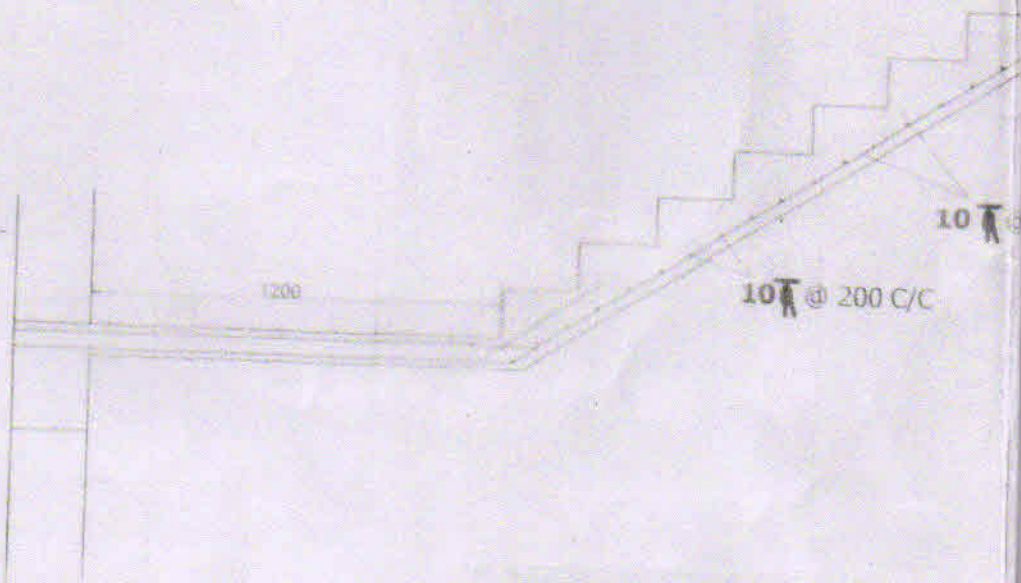


**BEAM SEC. - B1**



**RESIDENTIAL STAIR DETAILS**

2 - 12  $\phi$   
2 - 16  $\phi$

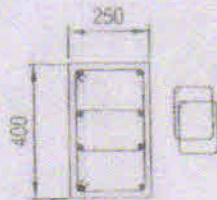
2 - 12  $\phi$   
2 - 16  $\phi$

2 - 12  $\phi$

2.

200

125 C/C

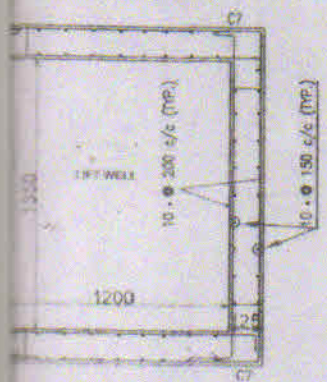


COLUMN SIZE: 250x400

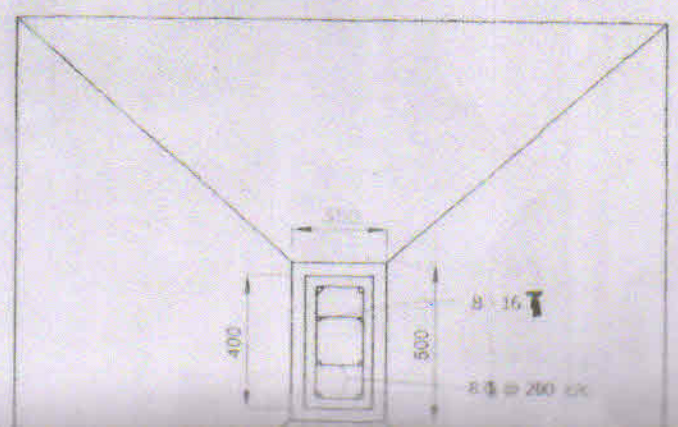
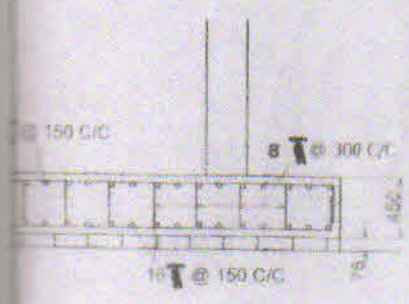
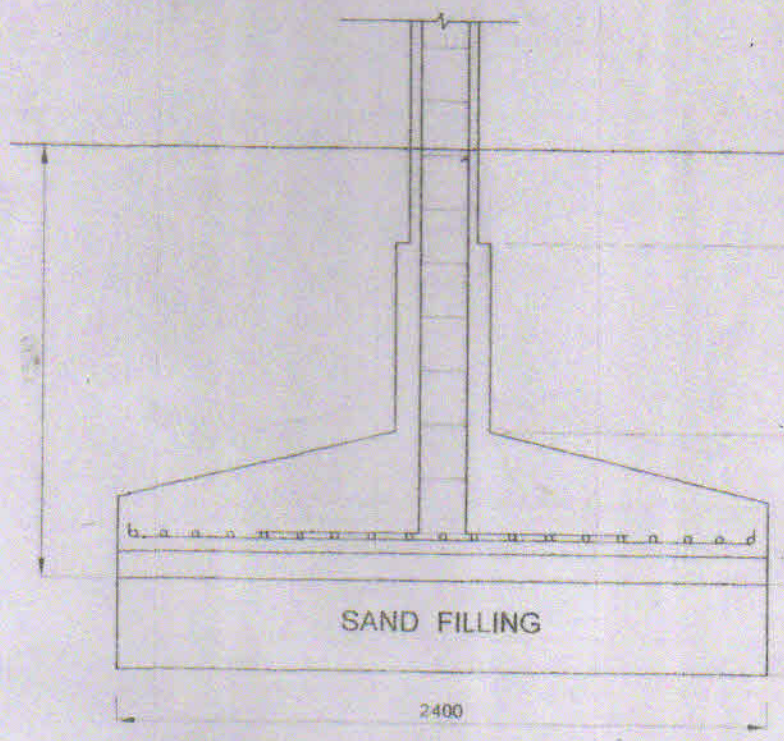
MAIN BAR: 8 - 16 $\phi$

LINK: 8 $\phi$  @ 200 c/c (2 SET)

5150



DETAIL OF LIFT WELL  
FOUNDATION LEVEL



**STRUCTURAL PLAN OF G + 3 STORIED BUILDING AT MOUZA -  
 BARHANS FARTABAD, J.L.NO.- 47, R.S. DAG NO.- 666,  
 KHATIANN 453 , WARD NO. - 28 , HOLDING NO. 713,  
 P.S.SONARPUR, DIST. 24 - PARAGANAS ( SOUTH) UNDER  
 RAJPUR SONARPUR MUNICIPALITY.**

**OWNERS : RUMA NASKAR & OTHERS.**

**TIE BEAM BLOCK - A**

BEAM MKD	SIZE	REINFORCEMENT				TIRRUPS
		SUP		SPAN		
		TOP	BOT	TOP	BOT	
TB1	250X350	3 - 16 $\Phi$	3 - 16 $\Phi$	3 - 16 $\Phi$	3 - 16 $\Phi$	8 $\Phi$ @ 200 C/C

**BEAM SCHEDULE**

BEAM MKD	SIZE	REINFORCEMENT				TIRRUPS
		SUP		SPAN		
		TOP	BOT	TOP	BOT	
B1	250X350	2 - 16 $\Phi$ 2 - 12 $\Phi$	2 - 12 $\Phi$	2 - 12 $\Phi$	2 - 16 $\Phi$ 2 - 12 $\Phi$	8 $\Phi$ @ 200 C/C
B2	250X350	4 - 12 $\Phi$ 2 - 16 $\Phi$	2 - 12 $\Phi$	2 - 12 $\Phi$	4 - 12 $\Phi$ 2 - 16 $\Phi$	8 $\Phi$ @ 175 C/C

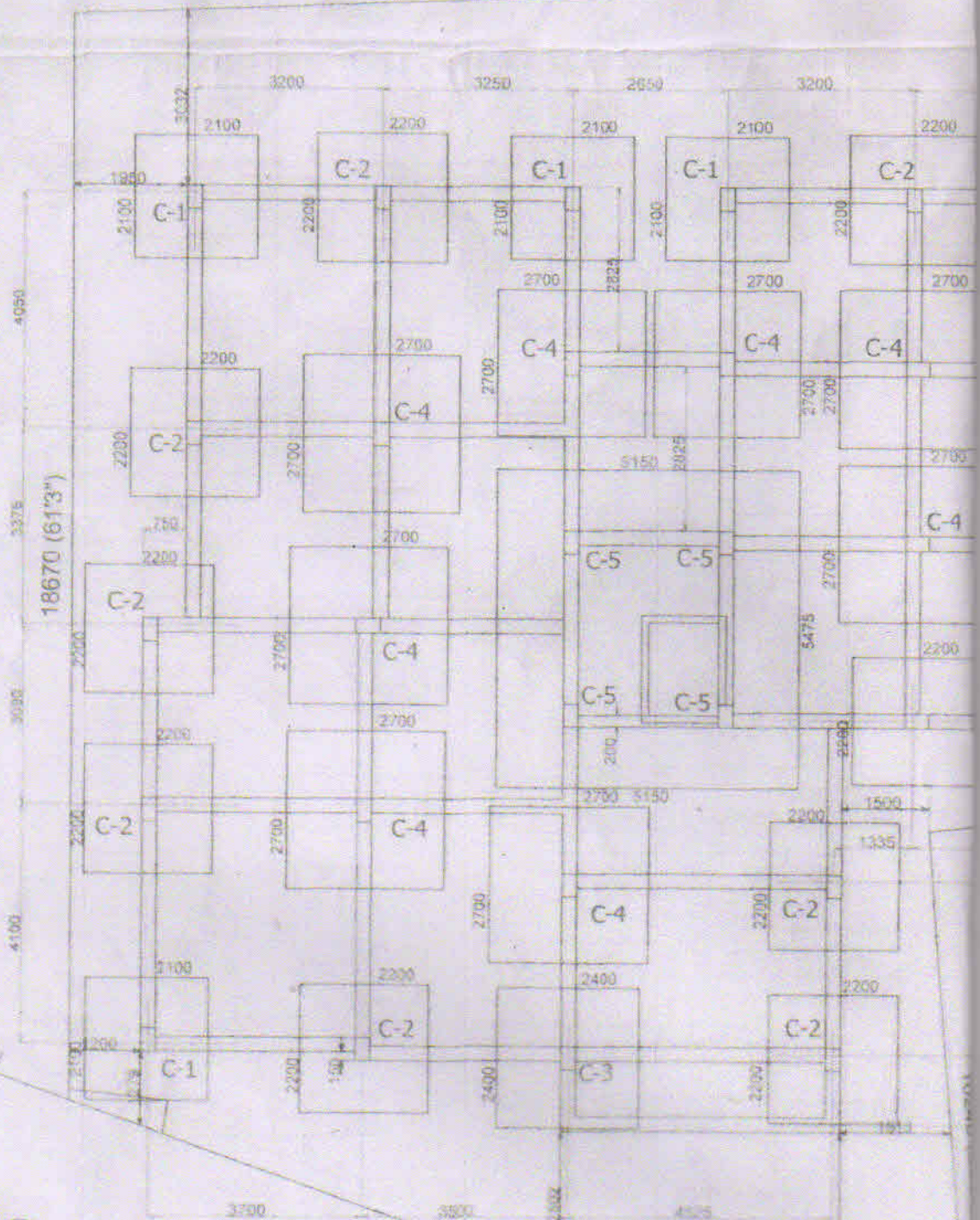
**SCHEDULE OF COL. & FOUNDATION.**

COL MKD	SIZE	REINFORCEMENT	STIRRUP	BASE SIZE	REINFORCEMENT
C-1	250X400	6 - 16 $\Phi$	8 $\Phi$ @ 200 C/C	2100 X 2100	12 $\Phi$ @ 150 C/C BOTHWAYS
C-2	250X400	8 - 16 $\Phi$	8 $\Phi$ @ 200 C/C	2200 X 2200	12 $\Phi$ @ 150 C/C BOTHWAYS
C-3	250X400	8 - 16 $\Phi$ 2 - 12 $\Phi$	8 $\Phi$ @ 200 C/C	2100 X 2100	12 $\Phi$ @ 125 C/C BOTHWAYS
C-4	250X400	10 - 16 $\Phi$	8 $\Phi$ @ 200 C/C	2700 X 2700	12 $\Phi$ @ 125 C/C BOTHWAYS
C-5	250X400	10 - 16 $\Phi$	8 $\Phi$ @ 200 C/C	2475 X 2150	12 $\Phi$ @ 150 C/C AT TOP 16 $\Phi$ @ 150 C/C AT BOTTOM

**NOTES:-**

1. ALL DIMENSIONS ARE TO BE CHECKED AT SITE.
2. MADE UP GROUND LEVEL TO BE FIXED UP BY THE ENGINEER IN-CHARGE AT SITE.
3. LAP LENGTH AND COVER TO REINFORCEMENT SHOULD BE PROVIDED AS PER I.S. CODE OF PRACTICE 1:8456-2000.
4. ALL REINFORCEMENT ARE HIGH STRENGTH DEFORMED BARS CONFORM TO I.S.1786-1985 WITH LATEST AMENDMENT (GRADE F450, TMT BARS, MKD ARE).
5. ALL DIMENSIONS SHOWN IN THIS DRAWING ARE STRUCTURAL DIMENSIONS UNLESS OTHERWISE MENTIONED.
6. CONTRACTORS TO STUDY THE DRAWING CAREFULLY AND CLARIFICATION...

13870 (45'6")

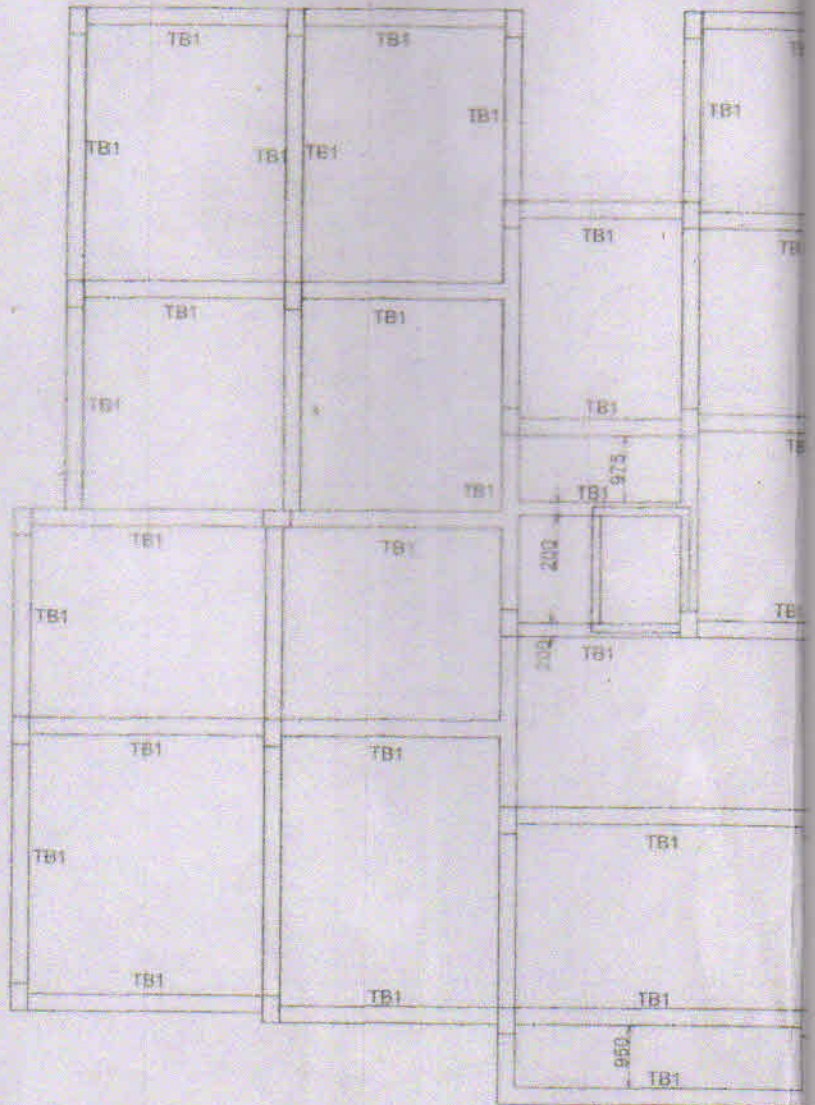
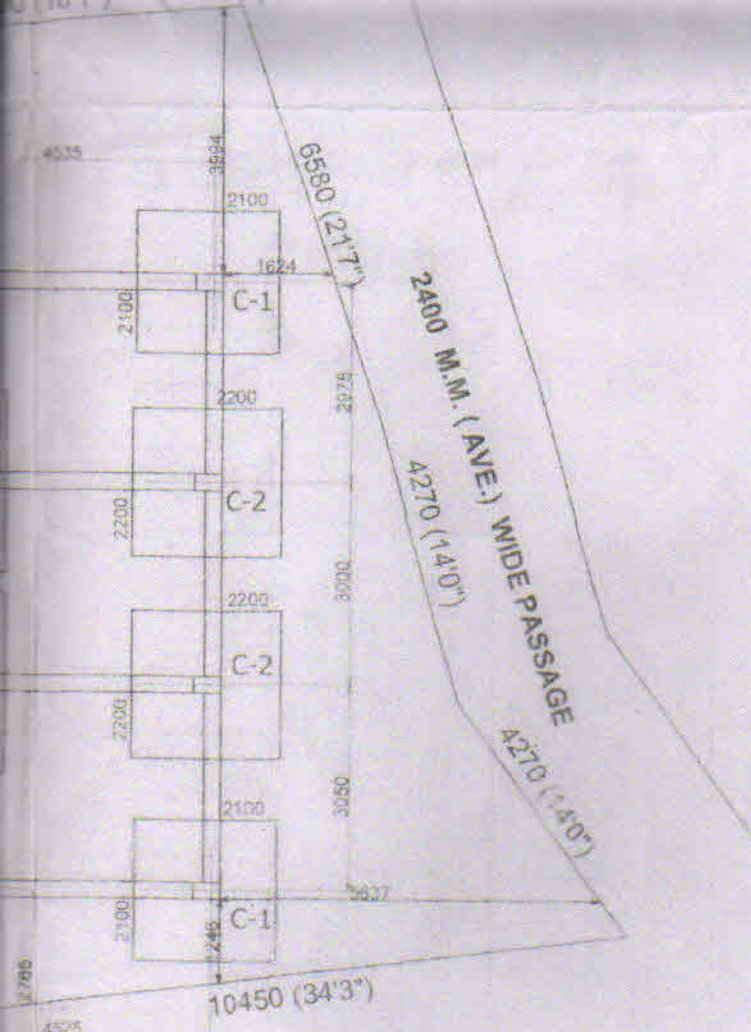


5

5000 M.M. (AVE.) WIDE ROAD

FOUNDATION PLAN

DETAILS C



TIE BEAM PLAN

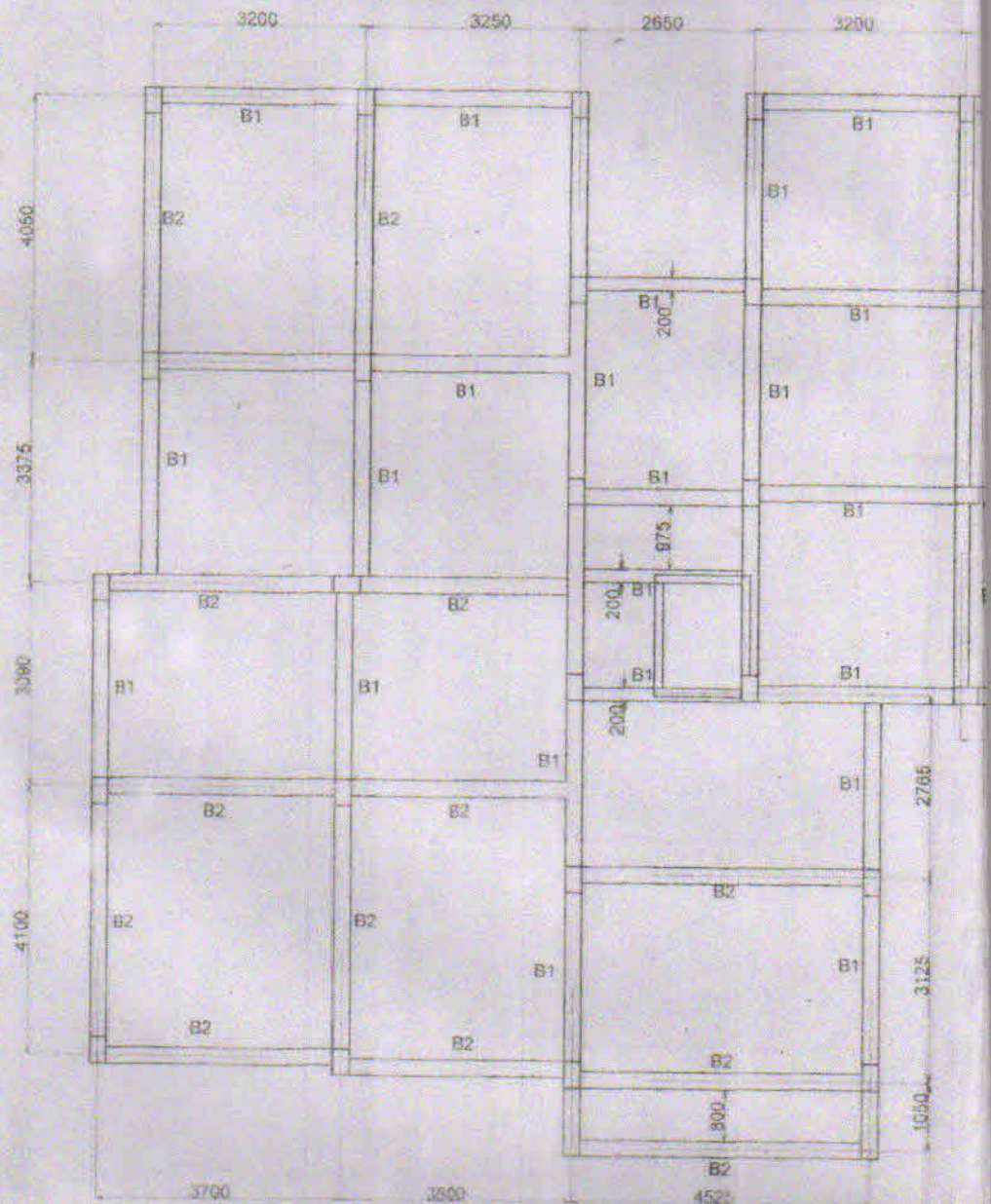
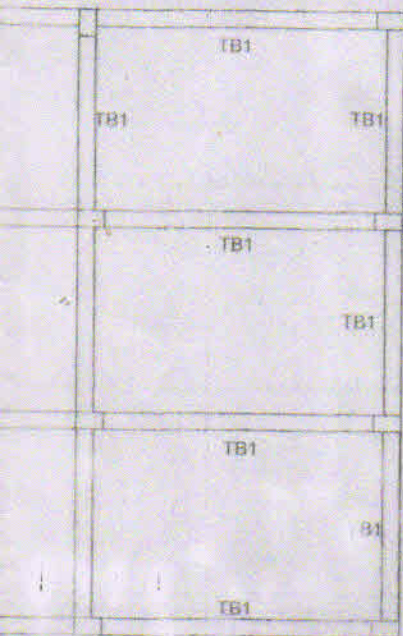
5475

F COL. C5 BASE



DETAILS OF COLUMN BASE

γ



TYPICAL FLOOR BEAM PLAN

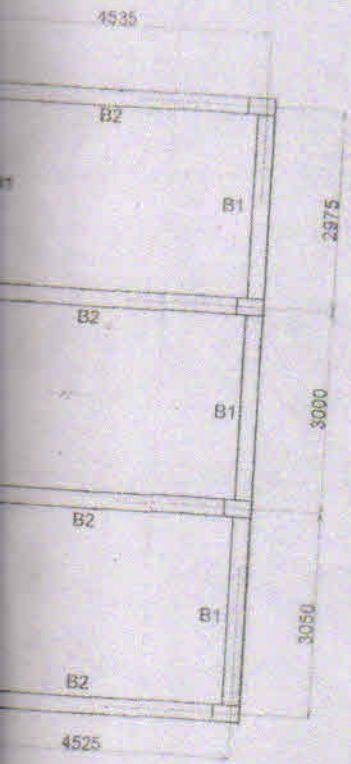
- 8
8. GRADE OF CONCRETE SHALL BE AS FOLLOWS -  
COL. FOOTING, COLUMNS, TIE BEAMS, FLOOR BEAM, SLAB - M20.
  9. ALL DIMENSIONS ARE IN MM AND LEVELS ARE IN M UNLESS OTHER WISE SPECIFIED.
  11. CLEAR COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS.
    - (a) COLUMNS - 40 MM
    - (b) BEAMS - 30 MM
  12. LAP LENGTH SHALL BE MINIMUM 50 x DIA OF SMALLER BAR TO BE LAPPED. LAP SHALL BE STAGGERED, NOT MORE THAN 50% OF BARS TO BE LAPPED AT ANY SECTION.
  13. PILE REINFORCEMENT TO BE ANCHORED IN PILE CAP AS SHOWN IN PILE DETAIL DRG.

**DECLARATION OF E.S.E.**

CERTIFIED THAT THE FOUNDATION AND THE SUPER STRUCTURE HAVE BEEN SO DESIGNED THAT IS SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL.

*Sashi Bhushan Basu*  
**SASHI BHUSHAN BASU,**  
 Empannelled Structural Engineer,  
 of Rajpur-Sonerpur Municipality  
 Empannelled No. - 14/RJPSONVE SE-IV/2016-17

SIG. OF STRUCTURAL ENG.



*S. Chakrabarti*  
**SANKAR CHAKRABARTI**  
 M. Tech (SOIL), MICS,  
 Consultant Geotechnical Engg.  
 Enlistment No. 004/G.T.E./RJPSON

SIG. OF GEO. TECH ENG.

*Apurba prasadhan*  
*Ashmita Datta*  
*Biswadeep Sengupta*



SIG. OF OWNER

- Consulents/Engineers of
- 1) RUMA NARAYAN
  - 2) PRADIP BHASKAR
  - 3) DILIP NARAYAN
  - 4) ANJAN CHANDRA

Structural plan as submitted by the structural Engineer have been kept with Building Plan No. 33/CA/28/47 Dated On: 29/05/2019 for record of the Rajpur-Sonerpur 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

*Indy...*  
 25/5/19  
 Sig. of Assistant Engineer.  
 Incharge P.W.D  
 RAJPUR-SONERPUR MUNICIPALITY