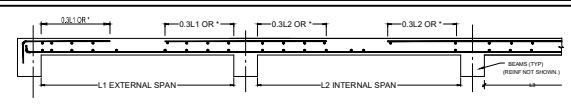


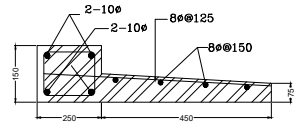
**BEAM TYPE (MULTIPLE SPAN BEAM)**  
**CURTAILMENT DETAILS FOR BEAM**



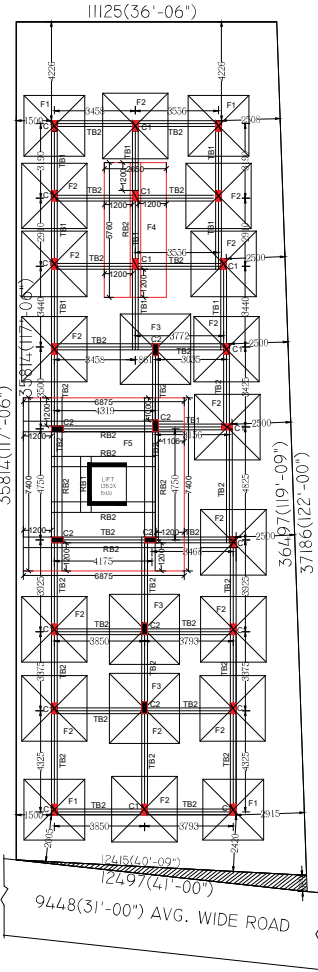
**TYPICAL DETAILS OF SLABS**  
(BOND LENGTH WITH WHICHEVER IS GREATER)

SCHEDULE OF FOUNDATION DEPTH OF FOUNDATION 1.5 M BELOW E.G.L.						
FLOOR	MAXIMUM FOOTING DEPTH	DEPTH			REINFORCEMENT	
		150	26	26	12 T x 125 MM CC	12 T x 125 MM CC
F-1	150	24	24	250 TO 200	12 T x 100 MM CC	12 T x 110 MM CC
F-2	150	30	30	250 TO 200	12 T x 100 MM CC	12 T x 110 MM CC
F-3	150	AS PER BRC	40	12 T x 100 MM CC	12 T x 100 MM CC	12 T x 110 MM CC
F-4	PL TO TOP OF FIBR SLAB	AS PER BRC	40	12 T x 100 MM CC	12 T x 100 MM CC	12 T x 110 MM CC

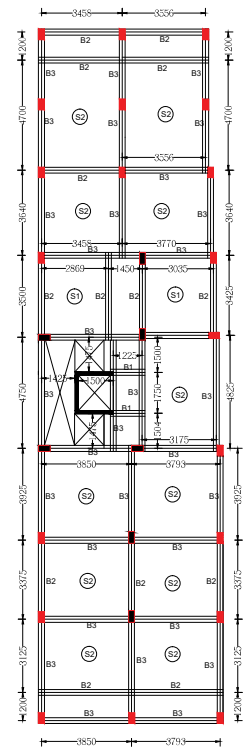
SCHEDULE OF COLUMNS			
COL.	COLUMN SIZES WITH REINFORCEMENTS		STIRRUPS
	FROM 1ST TO 2ND FLOOR	FROM 2ND FLOOR TO ROOF	
C1	250 X 450 12-16 T	250 X 450 10-16 T	6 T x 150 MM CC
C2	250 X 500 14-16 T	250 X 500 12-16 T	6 T x 150 MM CC



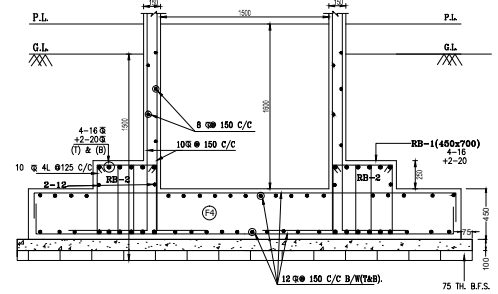
**C/S OF LINTEL CHAJJA**



**FOUNDATION LAYOUT**  
SCALE - 1:100



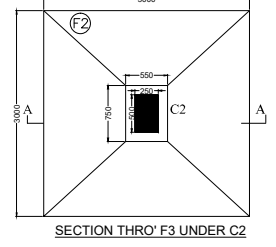
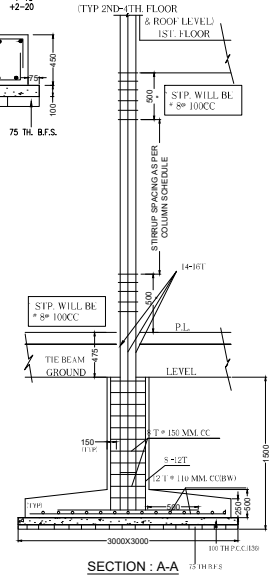
**BEAM PLAN**  
SCALE - 1:100



**LIFT PDN-MKD-F5 (RAFT) SECTION (MKD. X)**

SCHEDULE OF SLAB & WALL					
SLAB	THICK	REIN. ALONG SHORTER DIRT.	REIN. ALONG LONGER DIRT.	REIN. ALONG SHORTER DIRT.	REIN. ALONG LONGER DIRT.
S1	110	4 T x 120 MM C/C TOP 5 T x 500 MM C/C BOTTOM	4 T x 120 MM C/C TOP 5 T x 500 MM C/C BOTTOM	4 T x 120 MM C/C TOP 5 T x 500 MM C/C BOTTOM	4 T x 120 MM C/C TOP 5 T x 500 MM C/C BOTTOM
S2	110	4 T x 120 MM C/C TOP 5 T x 500 MM C/C BOTTOM	4 T x 120 MM C/C TOP 5 T x 500 MM C/C BOTTOM	4 T x 120 MM C/C TOP 5 T x 500 MM C/C BOTTOM	4 T x 120 MM C/C TOP 5 T x 500 MM C/C BOTTOM
FAIR	150	LONG MAIN REIN. = 10 T x 120 MM CC BASE REIN. = 8 T x 120 MM CC			
LIFT WALL	125	VERTICAL MAIN REIN. = 10 T x 120 MM CC, @W HORIZONTAL BASE REIN. = 8 T x 120 MM CC, @W			
RAFT FTG	40	TOP REIN. = 12 T x 120 MM CC, @W BOT REIN. = 12 T x 120 MM CC, @W			

SCHEDULE OF BEAM					
BEAM	SIZE OF BEAM (MM X MM)	SUPPORT LONG DIR.	SPAN LONG DIR.	STIRRUPS	STIRRUPS
B4	250 (W) x 450 (D)	2-16 T	2-16 T	2-16 T	2-16 T
B5	250 (W) x 450 (D)	2-16 T	2-16 T	2-16 T	2-16 T
B6	250 (W) x 450 (D)	2-16 T	2-16 T	2-16 T	2-16 T
B7	250 (W) x 450 (D)	2-16 T	2-16 T	2-16 T	2-16 T
B8	250 (W) x 450 (D)	2-16 T	2-16 T	2-16 T	2-16 T
B9	250 (W) x 450 (D)	2-16 T	2-16 T	2-16 T	2-16 T
B10	250 (W) x 450 (D)	2-16 T	2-16 T	2-16 T	2-16 T
B11	250 (W) x 450 (D)	2-16 T	2-16 T	2-16 T	2-16 T
B12	250 (W) x 450 (D)	2-16 T	2-16 T	2-16 T	2-16 T



**STRUCTURAL PLAN FOR PROPOSED G+IV STORIED RESIDENTIAL BUILDING OF DIPANKAR SARKAR AT MOUZA- SUBUDDHIPUR, J.L. NO-32, L.R. DAG NOS-643,645, L.R.KH. NO.-312, WARD NO.-02, HOLDING NO.-695, UNDER BARUIPUR MUNICIPALITY, P.S-BARUIPUR, DIST 24 PGS(S), UPON BELTALA ROAD.**

- General Specification**
1. ALL DIMENSIONS ARE IN MILLIMETER.
  2. THE DEPTH OF FOUNDATION OF SEPTIC TANK SHOULD NOT EXCEED THE DEPTH OF FOUNDATION OF BUILDING.
  3. GRADE OF CONCRETE IS M-20 CONFORMING IS : 456-1978.
  4. GRADE OF REINFORCEMENT STEEL SHALL BE H.Y.S.D. BARS (B) Fe-415, CONFORMING IS : 1786-1985.
  5. PLAN CEMENT CONCRETE SHALL BE (1:3:6) WITH PICKED KHOA.
  6. NOMINAL MIX OF CONCRETE GRADE M - 20 (1:1.5:3)
  7. P. C. C. = 75 MM THICK (1:3:6)
  8. B. CLEAR COVER FOR REINFORCEMENT.
    - 1) FOUNDATION SLAB = 40 MM.
    - 2) FOUNDATION BEAM = 50 MM.
    - 3) FLOOR BEAM = 25 MM.
    - 4) FLOOR SLAB = 15 MM.
    - 5) COLUMN = 40 MM.
  9. SOIL BEARING CAPACITY = 9.06 T / M<sup>2</sup>
  10. THE LAPS SHALL BE STAGGERED, NOT MORE THAN 1/3 OF THE TOTAL REINFORCEMENT SHALL BE LAPPED AT A SINGLE SECTION.
  11. ALL STIRRUP/HOOPS SHALL BE PROVIDED AS PER IS:13920-1993.
  12. SUITABLE FOUNDATION IS TO BE PROVIDED UNDER PARTION WALLS THOSE ARE NOT LOCATED OVER THE BEAM.

**SPACE FOR OFFICE SEAL**

**STRUCTURAL ENGINEER STABILITY CERTIFICATE**  
THE STRUCTURAL DRAWING AND DESIGN OF BOTH FOUNDATION AND SUPER STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE WIND LOAD, SEISMIC LOAD AS PER THE N B C OF INDIA . I CERTIFY THAT IT IS SAFE AND STABLE IN ALL RESPECT

(GOPAL CH. BAG)  
DR(Civil), M.S.(Structural) Tel: 9123416951  
**ESE-II/GTE-II(Baruipur Municipality)**

**L. R. S. CERTIFICATE**  
THE PLOT IS A VACANT LAND. THE PLOT IS BOUNDARY WALL BOUNDARY MEASUREMENT AGREED WITH THE REGD. SITE AND NOT A TANK OR FILLED UP TANK. CERTIFIED BY ME WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN DRAWN UP AS PER PROVISIONS OF THE BARUIPUR MUNICIPALITY BUILDING RULES AND THAT THE SITE CONDITION INCLUDING THE WIDTH OF ABUTTING MUNICIPAL ROAD CONFORM WITH THE PLAN AND THAT IT IS A BUILDABLE.



SIGNATURE OF OWNERS

(GOPAL CH. BAG)  
DR(Civil), M.S.(Structural) Tel: 9123416951  
SIGNATURE OF L.R.S-1001

TITLE: ST  
SCALE:

