APPROVED

R.C.C. BEAMS

BEAM MKD.	BEAM SECTION	SIZE & REIN. AT SUPPORT TOP	SIZE & REIN. AT SUPPORT BOTTOM	STIRRUP AT SUPPORT	SIZE & REIN. AT SPAN TOP	SIZE & REIN. AT SPAN BOTTOM	STIRRUP AT SPAN
B1	250X550	3 – 20 Φ+ 2 – 20 Φ	3 – 16 Φ	8 Φ 2L@ 125C/C	3 – 20 Φ	2 – 16 Φ+ 1 – 16 Φ	8 Φ 2L@ 125C/C
B2	250X450	3 – 20 Φ+ 2 – 20 Φ	3 – 16 Φ	8 Φ 2L@ 125C/C	3 – 20 Φ	3 – 16 Φ	8 Φ 2L@ 175C/C
B3	250X450	2 – 20 Φ+ 2 – 16 Φ	3 – 12 Φ	8 Φ 2L@ 175C/C	2 – 20 Φ	3 – 12 Φ	8 Φ 2L@ 175C/C
B4	250X450	2 – 16 Φ+ 2 – 16 Φ	3 – 12 Φ	8 Φ 2L@ 175C/C	2 – 16 Φ	3 – 12 Φ	8 Φ 2L@ 175C/C
B5	250X450	2 – 16 Φ	2 – 16 Φ	8 Φ 2L@ 175C/C	2 – 16 Φ	2 – 16 Φ+ 1 – 16 Φ	8 Φ 2L@ 175C/C
B6	250X550	6 – 16 Φ	2 – 16 Φ	8 Φ 2L@ 125C/C	6 – 16 Φ	3 – 16 Φ	8 Φ 2L@ 125C/C
B7	250X450	4 – 16 Φ	2 – 16 Φ	8 Φ 2L@ 125C/C	4 – 16 Φ	2 – 16 Φ	8 Φ 2L@ 125C/C
B8	250X300	2 – 16 Φ	3 – 16 Φ	6 Φ 2L@ 175C/C	2 – 16 Φ	3 – 16 Φ	6 Φ 2L@ 175C/C

SCHEDULE OF ISOLATED FOUNDATIONS

FDN. MKD.	SIZE OF FDN.	COLUMN UNDER	THICKNESS MM. AT HEEL	THICKNESS MM. AT TOE	REIN. BOTHWAYS AT BOTTOM
F1	2600X2800	C10, C20, C21 C24	600	300	12 Φ @ 100C/C
F2	2300X2300	C6, C7, C8, C9 C11, C13, C18 C22, C23, C25,C26	600	300	12 Φ @ 150C/C
F3	2100X2100	C5, C9, C6, C12 C14, C17, C19 C28, C29	500	250	12 Φ @ 150C/C
F4	2000X2000	C1, C4, C15, C16 C27, C30	500	250	12 Φ @ 200C/C

SCHEDULE OF R.C.C. COLUMNS

COLUMN MKD.	SIZE & REIN. FROM BASE TO 2ND.FLOOR LEVEL	SIZE & REIN. FROM 2ND. FL. LV. TO 3RD. FLOOR LV.	SIZE & REIN. FROM 3RD FL. LV. TO ABOVE FL. LV.	STIRRUP
C6, C7, C8, C10 C13, C18, C20, C21 C24, C25	300 X 450 4 – 20 Φ + 4– 16 Φ	300 X 450 8 – 16 Φ	300 X 450 4 – 16 Φ + 4– 12 Φ	8 Φ 4L @ 200 C/C
C2, C3, C4, C5, C9 C11, C14, C17, C22 C23, C26, C28, C29	250 X 450 4 – 20 Φ + 4– 16 Φ	250 X 450 8 – 16 Φ	250 X 450 4 – 16 Φ + 4– 12 Φ	8 Φ 4L @ 200 C/C
C1, C12, C15, C16 C19, C27, C30	250 X 400 8 – 16 Φ	250 X 400 4 – 16 Φ + 4– 12 Φ	250 X 400 8 – 12 Φ	8 Φ 4L @ 200 C/C

PLAN No. BO/511/09
RB/CB/IB/PB/HUB/
APN.....
20..17..20..18..
Date..15.11.2017

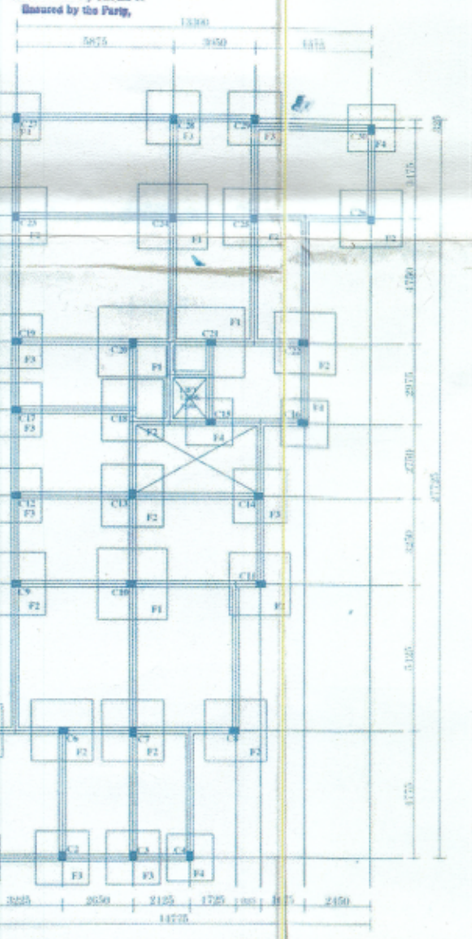
Mohan Lal Majee
Planner In-Charge, Building Plan,
Durgapur Municipal Corporation

Commissioner
Durgapur Municipal Corporation

PERMISSION ACCORDING TO THIS ACT AND BUILDING PLAN REGULATIONS HAVE BEEN GIVEN.

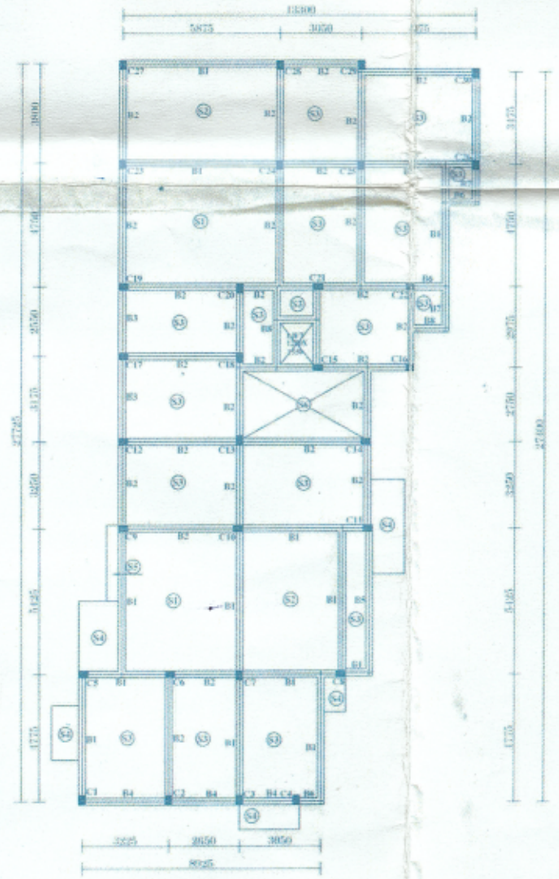
Structural Safety Should be Ensured by the Party.

BUILDING PLAN APPROVED ON THE BASIS OF THE INDEMNITY BOND, LAND MUTATION & CONVERSION IS THE RESPONSIBILITY OF THE OWNER.



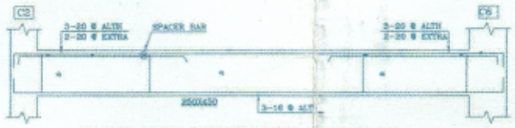
COLUMN & FOUNDATION LAYOUT PLAN

SCALE - 1 : 100



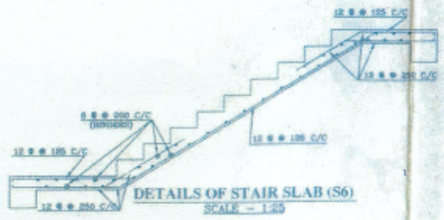
BEAM &SLAB LAYOUT PLAN

SCALE - 1 : 100



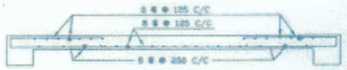
DETAILS OF LONG SECTION OF BEAM (B2)

SCALE – 1:25



DETAILS OF STAIR SLAB (S6)

SCALE – 1:25



DETAILS OF SLAB (S1)

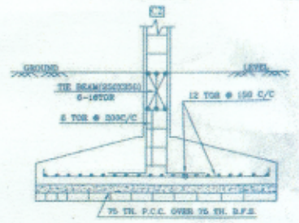
SCALE – 1:25

DETAILS OF SLAB (S2)

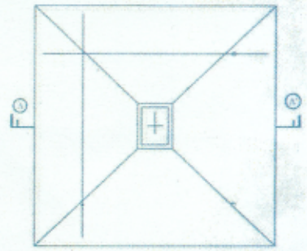
SCALE – 1:25

DETAILS OF SLAB (S3)

SCALE – 1:25

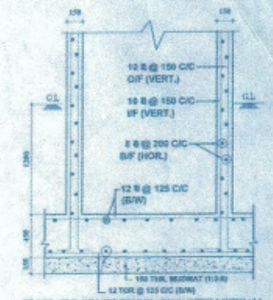


SECTION ON. = A-A'



DETAILS OF ISOLATED FOUNDATION (F3)

SCALE :– 1:25

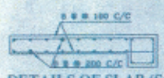


CROSS SEC. OF LIFT FOUNDATION WITH LIFTWALL

SCALE 1 : 25

DETAILS OF SLAB (S5)

SCALE – 1:25



DETAILS OF SLAB (S4)

SCALE – 1:25

STRUCTURAL DRAWING OF PROPOSED FOUR (G+III) STOREYED RESIDENTIAL APARTMENT BUILDING OF SRI DHURUB PRASAD & SMT RENUKA PRASAD OVER PLOT NO-225 (PART), IN MOUZA- BHIRINGI, J.L. NO-68, P.S- FARIDPUR, DIST- PASCHIM BARDHAMAN, UNDER D.M.C. WARD NO-B/15, NAME OF STREET - RD.SOUBHEDITA PLACE, HOLDING NO- 387/N, I.D.NO- 63170.

SPECIFICATIONS:-

1. DEPTH OF FOUNDATION IS AT 1.50M. BELOW EX. G.L.
2. SAFE BEARING CAPACITY OF SOIL IS AS PERR SOIL TEST REPORT.
3. GRADE OF CONC. IS M–20 AND GRADE OF STEEL IS Fe–415
4. CLEAR COVER TO MAIN REIN. IS AS PER BELOW :–
   a). FOUNDATION – 75 MM. b). COLUMN – 40 MM.
   c). BEAM – 25 MM. d). SLAB – 15 MM.
5. ALL SLAB MUST BE CAST MONOLITHIC WITH SUPPORTING BEAM.
6. ALL OTHER SPECIFICATIONS ARE AS PER NATIONAL BUILDING CODE OF INDIA.

THE STRUCTURAL DESIGN & DRAWING OF BOTH FOUNDATION AND SUPER–STRUCTURE OF THE BUILDING HAS BEEN MADE BY ME CONSIDERING ALL POSSIBLE LOADS INCLUDING THE SEISMIC LOAD AS PER B.I.S. OF INDIA & CERTIFIED THAT IT IS SAFE & STABLE IN ALL RESPECT.

17.11.09
TUSHAR BARAN PAHARI
M.E. (STRUCTURE), MIGS.
CHARTERED ENGINEER.
4, CHANDI CHARAN GHOSH ROAD, SIBPARA,
KOLKATA - 700 008.

SIG. OF STRUCTURAL ENGINEER

17.11.09
LIC NO:-[illegible]/BPD/418
Revl. Dt. 22.02.10.

SIGNATURE OF ENGINEER

Renuka Prasad
Dhurub Prasad.

SIGNATURE OF OWNER

SHEET NO.3 OF 3