APPROVED

PLAN NO- CB/236/19
RB/CB/ IB/PB/HUT/
APN ...../...../
20...19...20...20
DATE 13/01/20

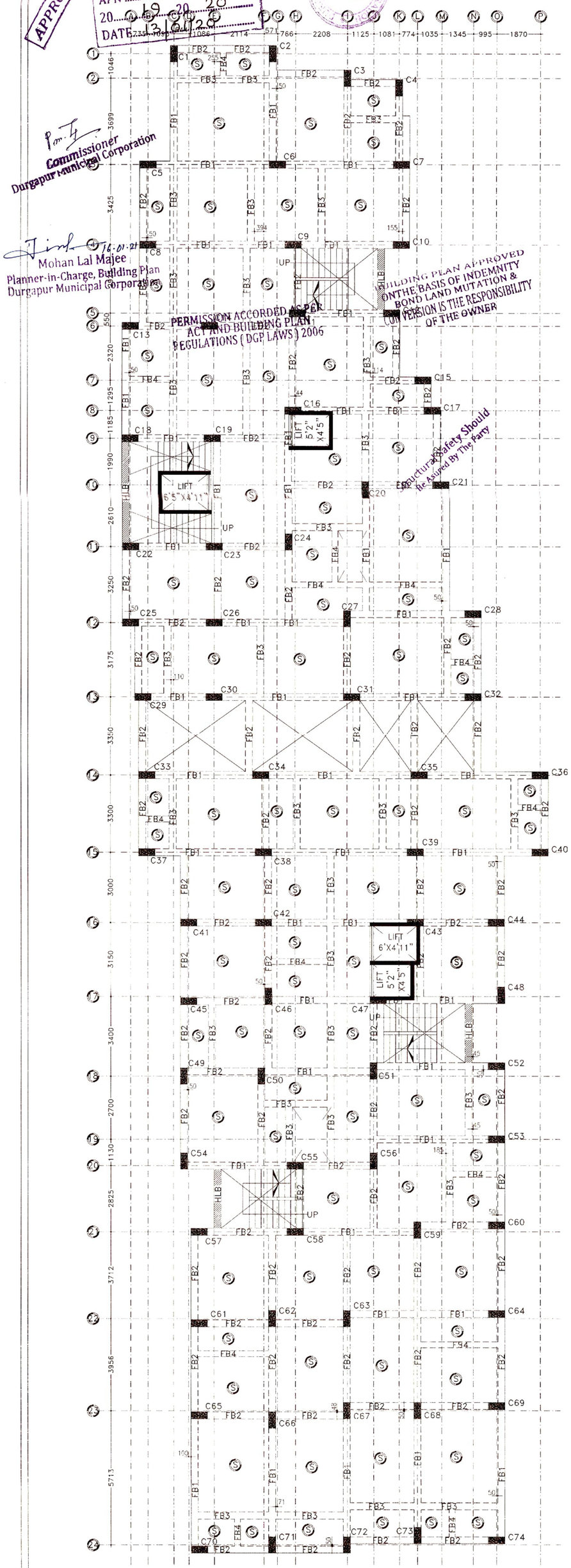
Commissioner
Durgapur Municipal Corporation

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

PERMISSION ACCORDED AS PER ACT AND BUILDING PLAN REGULATIONS (DGP LAWS) 2006

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

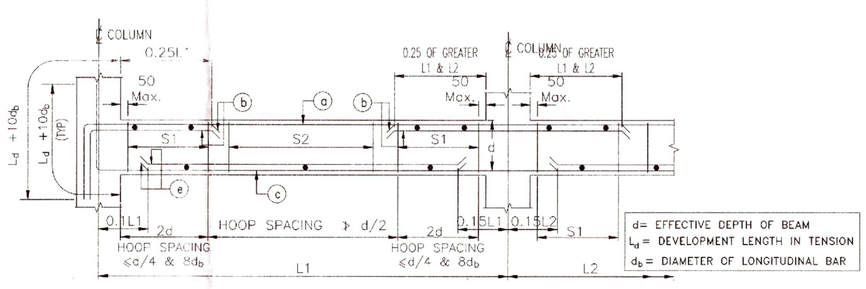
Structural Safety Should Be Assured By The Party



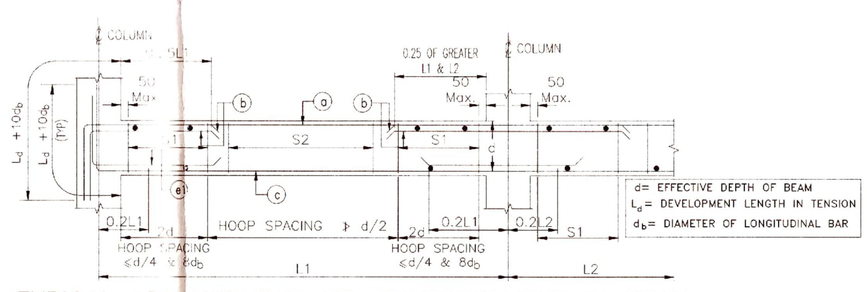
8 TYPICAL FLOOR BEAM LAYOUT
SCALE: 1:100

TABLE NO:-01(SCHEDULE OF BEAMS)

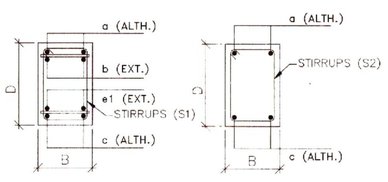
Beam	Size		All Through		Ext. at End Supp. Top	Ext. at Span. Bott	Ext. at Cont. Supp. Top	STIRRUPS	
Mkd	B	D	Top(a)	Bott.(c)	(b)	(e)	(b)	Support(S1)	Span(S2)
FB1	300	500	2-20ϕ	2-20ϕ	2-20ϕ	2-20ϕ	2-20ϕ	2L-8ϕ@125C/C	2L-8ϕ@150C/C
FB2	300	450	2-20ϕ	2-20ϕ	2-16ϕ	2-16ϕ	2-16ϕ	2L-8ϕ@125C/C	2L-8ϕ@150C/C
FB3	300	400	2-20ϕ	2-20ϕ	1-16ϕ	1-16ϕ	1-16ϕ	2L-8ϕ@125C/C	2L-8ϕ@150C/C
FB4	250	350	2-16ϕ	2-16ϕ	1-16ϕ	1-16ϕ	1-16ϕ	2L-8ϕ@125C/C	2L-8ϕ@150C/C



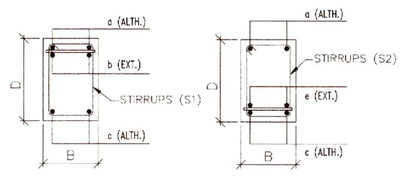
TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM
FIGURE NUMBER-1



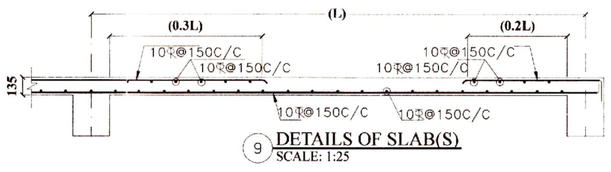
TYPICAL ARRANGEMENT OF REINFORCEMENT IN BEAM
FIGURE NUMBER-2



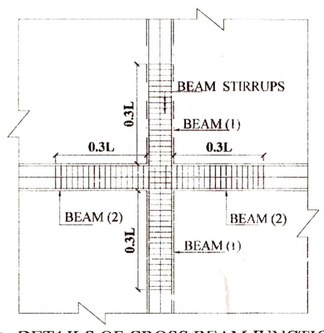
AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF BEAM
FIGURE NUMBER-2



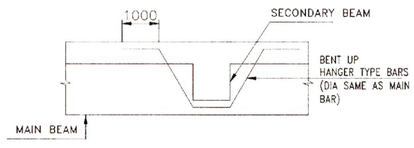
AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF BEAM
FIGURE NUMBER-1



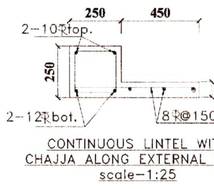
9 DETAILS OF SLAB(S)
SCALE: 1:25



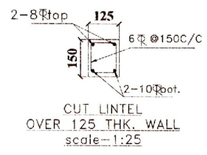
10 DETAILS OF CROSS BEAM JUNCTION
SCALE: 1:50



BENT UP HANGER TYPE BARS AT MAIN BEAM & SECONDARY BEAM JUNCTIONS



CONTINUOUS LINTEL WITH CHAJJA ALONG EXTERNAL WALL
scale-1:25



CUT LINTEL
OVER 125 THK. WALL
scale-1:25

PROJECT NAME:-

PLAN OF PROPOSED (B+G+5+1) STORIED RESIDENTIAL CUM COMMERCIAL APARTMENT BUILDING OF PITAMBAR DAS, S/O TARAK NATH DAS & MR.SHYMAL DUTTA R.S PLOT NO- 489,486 L.R PLOT NO- 3188/3189,KHATIAN NO.-2371,7332
J.L.NO.-107, MOUZA-FULJHORE,
P.S-NEWTOWNSHIP, DIST-PASCHIM BARDHAMAN.
HOLDING NO:- 113/N & 114/N
WORD:-25
DURGAPUR-6

NOTES :-

1. All dimensions are in millimeters & levels are in meter. Except otherwise mentioned only written dimensions shall be followed. All levels given in structural drawings are in accordance with architectural drawings. And indicate architectural drawing to be coordinated for all levels.
   Structural level only (without finish). however architectural drawing to be coordinated for all levels.
2. Grade of steel Fe 500.
3. Depth of Pile 18.0 m.
4. The top layer of reinforcement shall be placed over bot layer of reinforcement with chair of 10 bar. @ 900 c/c.
5. At a time of construction ductile detailing must be followed as per IS:13920.
6. 8 Binder @ 200 C/C binder for top & bot bar as required.
7. CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE AS FOLLOWS:-
   a)Beam:-25 mm,b)Column:-40mm,
   c)Slab:-15mm, d)Footiing:-50mm,
   e)R.C.C Wall:-20 mm, f) Stair:- 20mm.
8. Grade of concrete will be m30 for column and m25 for beam and sub structure as per is: 456:2000.
10. Development length 50xd for lap & spices should be provided as per the provisions laid down in SP34:1987

SIGNATURE OF STRUCTURAL ENGINEER:-

Hirok Ghosh
HIROK GHOSH
Structural Engineer
Lic No L.B.P.M/163/AMC-DMC/BPD/165
DCE B.TECH, G.I.D.S. Durgapur - 16
Contact No. 9333233331

SIGNATURE OF ENGINEER/L.B.S:-

Hirok Ghosh
HIROK GHOSH
Consultant Civil Engineer- (Class-A)
Lic No. L.B.P.M/163/AMC-DMC/BPD/165
DCE. B.TECH G.I.D.S. Durgapur - 16
Contact No. - 9333233331

CERTIFICATE OF GEO-TECHNICAL ENGINEER:-

Manoj Maity
MANOJ MAITY
Civil/Geotechnical Engineer
CE, MIGS - LM4278
Lic No.- LBPM/162/AMC
G.I.D.S., Durgapur - 16

SIGNATURE OF OWNER:-

Shyamal Dutta
Pitambar Das.

VETTED BY:-

DR. S.N.MUKHERJEE
Professor
CIVIL ENGINEERING DEPT.
JADAVPUR UNIVERSITY
KOLKATA - 700032 (W.B)

TITLE:-

TYPICAL FLOOR BEAM LAYOUT PLAN, LINTEL CHAJJA DETAIL, CROSS BEAM JUNCTION, DETAIL OF SLAB, REINFORCEMENT IN BEAM DETAIL.

GIDS

GIDS Engineering Pvt.Ltd.
(Architects,Engineers,Contractors and Business Solutions)
E-mail Id:-gidsbengal@gmail.com &
gidsbengal.project@gmail.com
SPECIALIST IN CONSULTING ,STRUCTURAL DESIGN,SURVEYING & SOIL INVESTIGATING
OFFICE:- C-29, 4th street, Doctor's Colony, City Centre Durgapur -713216
Contact No:- +919333233331,+917699998140

CHECKED BY : H.GHOSH	SCALE : 1:100, 1:25, 1:50.
DATE : 16.12.2019	REV-00
SHEET NO:- GIDS/STRU05-05	N