APPROVED

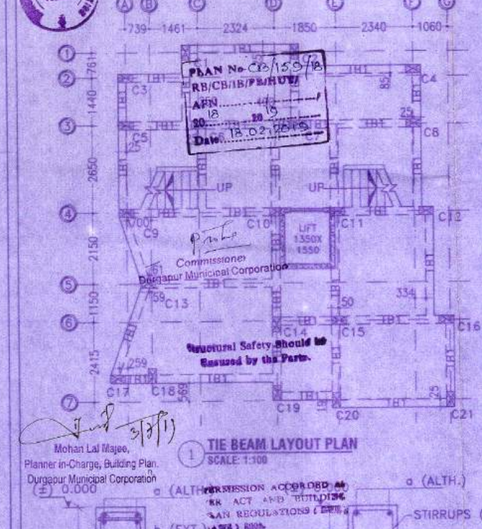
PLAN No. CE/159/18
RB/CB/IB/FB/RUW/
APN 18 20 15
Date 18.02.2019

Commissioner
Durgapur Municipal Corporation

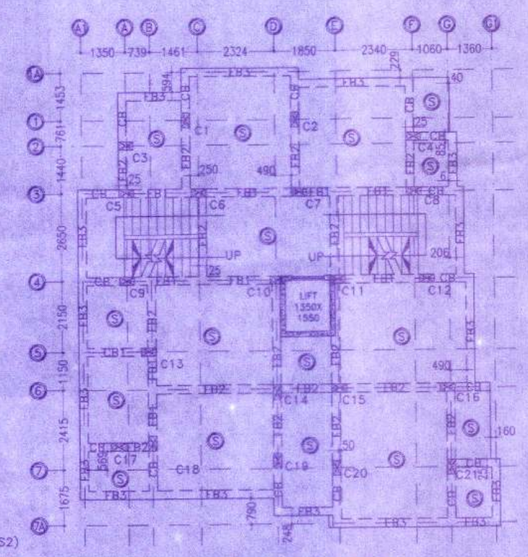
Structural Safety Should be Ensured by the Party.

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

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

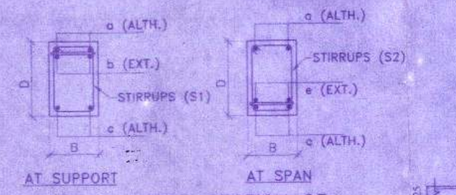


1 TIE BEAM LAYOUT PLAN
SCALE: 1:100

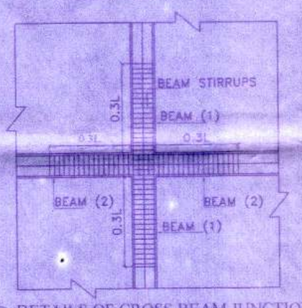


2 FLOOR BEAM LAYOUT PLAN
SCALE: 1:100

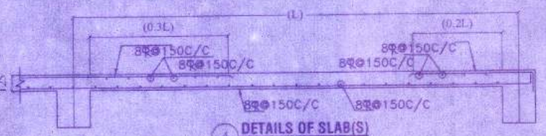
AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF TIE BEAM



AT SUPPORT AT SPAN
TYPICAL CROSS SECTION OF FLOOR BEAM

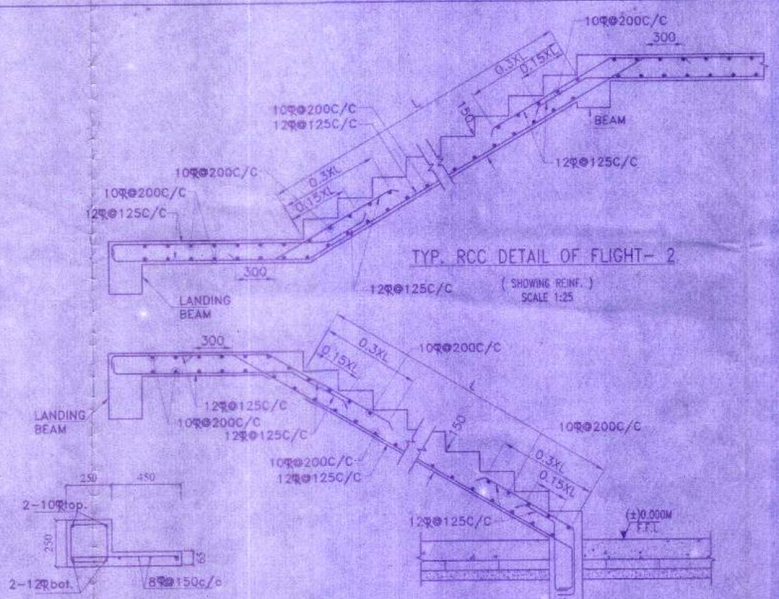


3 DETAILS OF CROSS BEAM JUNCTION
SCALE: 1:50



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

5 TYPICAL SECTION OF CANTILEVER BEAM
SCALE: NTS



TYP. RCC DETAIL OF FLIGHT- 2
(SHOWING REINF.)
SCALE 1:25

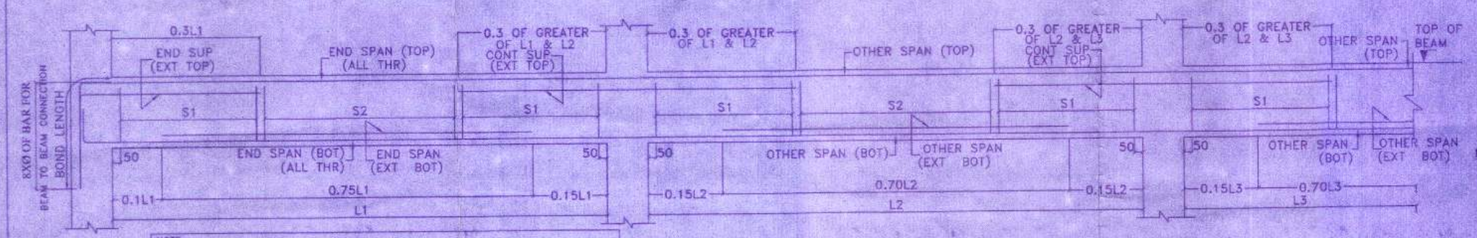
TYP. RCC DETAIL OF FLIGHT-1
(SHOWING REINF.)
SCALE-N.T.S

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

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

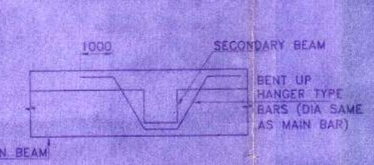
TABLE NO:-01 (SCHEDULE OF BEAMS)

Beam Mkd	Size B	Size D	All Through Top(a)	All Through Bott.(c)	Ext. at End Supp. Top (b)	Ext. at Span. Bott (e)	Ext. at Cont Supp. Top (b)	STIRRUPS Support	STIRRUPS Span
FB1	250	450	2-20φ	2-20φ	2-16φ	2-16φ	2-16φ	2L-8φ@125C/C	2L-8φ@150C/C
FB2	250	400	2-16φ	2-16φ	2-16φ	2-16φ	2-16φ	2L-8φ@125C/C	2L-8φ@150C/C
FB3	250	350	2-16φ	2-16φ	1-16φ	1-16φ	1-16φ	2L-8φ@125C/C	2L-8φ@150C/C
CB	250	450	3-20φ	2-20φ	——	——	——	2L-8φ@125C/C	2L-8φ@125C/C
CB1	250	500	4-20φ	3-20φ	——	——	——	2L-8φ@125C/C	2L-8φ@125C/C
TB1	250	450	2-20φ	2-20φ	2-16φ	2-16φ	2-16φ	2L-8φ@125C/C	2L-8φ@150C/C



NOTE:
AT ALL CONTINUOUS SUPPORTS COMMON TO BEAMS OF TWO DIFFERENT MARKS PROVIDE HIGHER AREA OF REINF. BETWEEN THE TWO VALUES SHOWN FOR THE CONTINUOUS SUPPORTS OF THE TWO DIFFERENTLY MARKED BEAMS.

7 TYP. CURTAILMENT DETAILS FOR BEAMS(MULTIPLE SPAN BEAM)
SCALE: 1:25



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

PROJECT NAME:-

STRUCTURAL DRAWING OF PROPOSED (G+5) SIX STORIED RESIDENTIAL APARTMENT BUILDING OF 1)JHANTU DAS,2)SONTU DAS,3)SIMA DAS.KHAITAN NO:-2507,2508,2509.R.S PLOT NO:-221,222.L.R PLOT NO:-220,222.MOUZA:-FARIDPUR.J.L NO:-74,P.S:-FARIDPUR.
HOLDING NO:-169.
WARD NO:-21.
ID NO:-5272.
ADDRESS:-12/2B ANANDAPURI CO-OPERATIVE,54 FEET BENACHITY,DURGAPUR-13

NOTES :-

1. All dimensions are in mm otherwise stated.
2. Safe bearing capacity of soil taken-10.6T/SQ.M
3. Grade of concrete M25
4. Grade of steel Fe 500.
5. Depth of foundation adopted 2.00 m.
6. The top layer of reinforcement shall be placed over bot layer of reinforcement with chair of 10φbar. @ 900 c/c.
7. At a time of construction ductile detailing must be followed as per IS:13920.
8. 8φBinder @ 200 C/C binder for top & bot bar as required.

SIGNATURE OF DEVELOPER/OWNER:-

Sima Das
Jhantu Das
Sontu Das

SIGNATURE OF STRUCTURAL ENGINEER:-

The Structural Design and 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 The National Building Code of India and Certified that it is Safe and Stable in all Respect.

Hirok Ghosh
HIROK GHOSH
Consultant Civil Engineer (Class-A)
Lic No.:-L-P/M/1152/AMC-DMC/EPD/169
DCE, B.TECH, G.I.D.S. Durgapur-16
Contact No.: 9333233331

SIGNATURE OF GEOTECHNICAL ENGINEER:-

THIS IS TO CERTIFY THAT THE SOIL TEST HAS BEEN PERFORMED BY ME FOR THIS PROJECT.

MOHANTY
Civil / Geotechnical Engineer
CE, MIGS, LM42/B
Lic. No.:- LEPM/1152/AMC
G.I.D.S., Durgapur-16

VETTED BY:-

Dr. S.N. Mukherjee
Professor
Civil Engineering Department
Jadavpur University

TITLE:-

TIE AND FLOOR BEAM LAYOUT PLAN,SLAB & STAIRCASE SECTIONAL DETAILS,LINTEL & CHAJJA DETAILS,DETAILS OF CROSS BEAM JUNCTION, DETAILS FOR BEAMS & SCHEDULE OF BEAM.

SIGNATURE OF ARCHITECTURAL ENGINEER:-

I DO HEREBY CONFIRM AND CERTIFY WITH FULL RESPONSIBILITY THAT THE BUILDING PLAN HAS BEEN PREPARED BY ME KEEPING THE PROVISION OF NBC OF INDIA AND CERTIFY THAT IT IS SAFE & STABLE IN ALL RESPECT.

Hirok Ghosh
HIROK GHOSH
Consultant Civil Engineer (Class-A)
Lic No.:-L-P/M/1152/AMC-DMC/EPD/169
DCE, B.TECH, G.I.D.S. Durgapur-16
Contact No.: 9333233331

OFFICE USED:-

GENESIS INFRASTRUCTURE DEVELOPMENT SERVICES
(AN ORGANIZATION OF CONSULTANT ENGINEERS)
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, 1:50, 1:25, N.T.S
DATE : 22.12.2018
REV-00
SHEET NO:- GIDS/STRU02-02