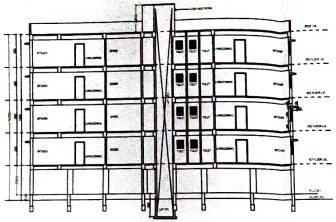
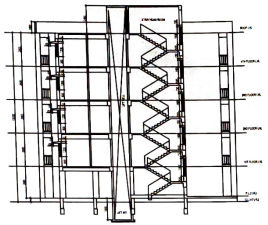
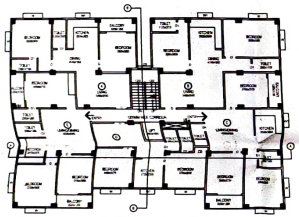


SECTION AT A-A

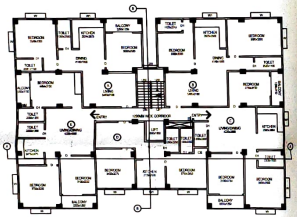


SECTION AT B-B

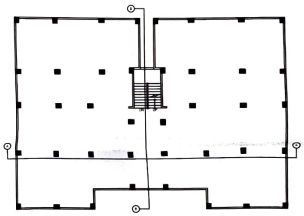
FRONT SIDE ELEVATION



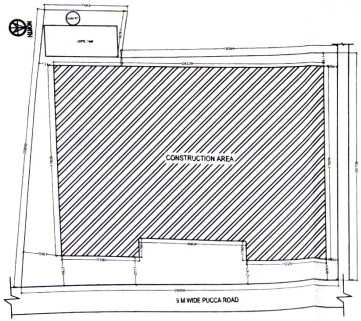
SECOND FLOOR PLAN



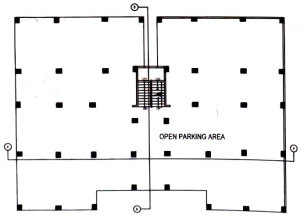
THIRD & FOURTH FLOOR PLAN



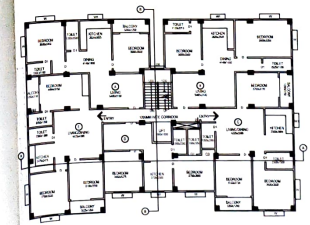
ROOF PLAN



SITE PLAN



GROUND FLOOR PLAN



FIRST FLOOR PLAN

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. THE DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL, PLUMBING, ANY DISCREPANCY BETWEEN ARCH. DRAWING AND STRUCTURAL DRAWING SHALL BE RECONCILED BEFORE EXECUTION.
3. ONLY FIGURED DIMENSIONS ARE TO BE FOLLOWED. NEITHER THE BARS SHALL BE SCALED NOR THE DIMENSION SCALED FROM DRAWINGS.
4. MATERIAL FOR CONSTRUCTION PURPOSES SHALL CONFORM TO RELEVANT CLAUSES OF I.S. 456--2000.
5. BEARING FOR THE SLAB SHOULD BE PROVIDED FOR THE FULL WIDTH OF WALL UNLESS OTHERWISE SPECIFIED.
6. ALL REINFORCED CEMENT CONCRETE SHALL BE DESIGN MIX M--25 GRADE (OTHERWISE SPECIFIED).
7. IN THIS MY SLAB PLACE SHORT BARS IN BOTTOM LAYER.
8. ALL STEEL REINFORCEMENT SHALL BE OF TMT TYPE CONFORMING TO I.S.: 1786 AND HAVING MINIMUM YIELD STRENGTH OF 500N/mm2.
9. LAP LENGTH/DEVELOPMENT LENGTH FOR REINFORCEMENT BARS AS I.S.: 456--2000 SHALL BE 45 X DIA OF BAR FOR M--25(UNLESS OTHERWISE SPECIFIED). LAPS SHALL BE STAGGERED AND PROVIDED AT THE POINT OF MINIMUM BENDING MOMENT.
10. ALL BRICK IN THE MASONRY SHALL HAVE CHARACTERISTIC STRENGTH 7.5 N/mm2 UNLESS OTHERWISE SPECIFIED AND LAID IN 1:6 (1 CEMENT : 6 SAND) MORTOR.
11. CLEAR COVER FOR
    SLAB – 20mm
    BEAM – 25mm
    FOUNDATION TOP & SIDE – 50mm, FOUNDATION BOTTOM–75MM
    COLUMN –40mm
12. LAP SHOULD NOT BE PROVIDED,
    a) WITHIN A JOINT
    b) WITHIN A DISTANCE 2d FROM JOINT FACE.
    c) WITHIN A DISTANCE ¼ LENGTH OF MEMBER FROM THE JOINT FACE.
13. NOT MORE THAN 50% OF BAR SHALL BE SPLICED AT ONE SECTION.
14. THE REINFORCEMENT DETAILING SHALL BE AS PER IS: 13920.
15. CONSTRUCTION JOINT SHALL BE MADE VERTICAL BY PROPER TEMPLATE WITH SLOTS FOR ACCOMMODATING REINFORCEMENT BARS. THE JOINT SHALL BE TREATED IN ACCORDANCE WITH IS: 11817
16. THE DISTRUCTION JOINT SHALL BE PLANNED AND APPROVED BY THE ENGINEER IN CHARGE, BUT IT SHALL NOT BE PROVIDED IN SEISMIC ZONE.
17. DEPTH OF FOUNDATION 2M FROM NGL.
18. BUILDING DESIGN FOR GROUND+4 STORIED TYPICAL.

PROJECT:

PROPOSED G+(4) STORIED RESIDENTIAL BUILDING OF - IDEAL *INFRASTRUCTURE SOLUTIONS PRIVATE LIMITED* , AND *MALINA BHATTACHARJEE* AT *KHAGRABARI*, COOCH BEHAR, PS- *KOTWALI* DIST-COOCH BEHAR PIN-*736101*, WEST BENGAL.

LAND DETAILS:

AREA OF THE LAND- 616.31 SQM CLASSIFICATION OF THE LAND- BASTU.

KHATIAN NO.L.R- 16326,17457, PLOT NO LR - 3782,3778 ,LL. NO.- 085, MOUZA: KHAGRABARI.

BUILDING DETAILS

COVERED AREA OF GROUND FLOOR: 403.77 SQM
GROUND FLOOR FOR PARKING
1ST FLOOR TO 4TH FLOOR: 403.77 SQM
PLINTH HEIGHT- 0.5 M
GROUND COVERAGE- 65.52%
EACH FLOOR HEIGHT - 2.9 M
HEIGHT OF THE BUILDING- 15 M (GL TO ROOF)

WALL THICKNESS-125 MM
GRADE OF CONCRETE- M25
USED OF REINFORCEMENT - FE-500

SCHEDULE OF DOORS & WINDOWS	
D - 1000 X 2100 MM	
D1 - 900 X 2100 MM	
V1 - 600 X 450 MM	
W - 1500 X 1350 MM	

IDEAL INFRASTRUCTURE SOLUTIONS PVT. LTD.
DIRECTOR
SIGNATURE OF OWNER

SIGNATURE OF ENGINEER

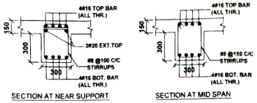
APPROVED BY

DRAWING TITLE	SHEET NO: 1/1

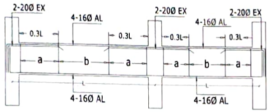
Received
Dr. Partha Ghosh
B. E. (Civil), M.E. (Structural Engg.), Ph. D. (Engg.)
Professor
Construction Engg. Department
Jadavpur University, Kolkata - 700 106

Assistant Engineer
WBSIDA, Cooch Behar - II Division

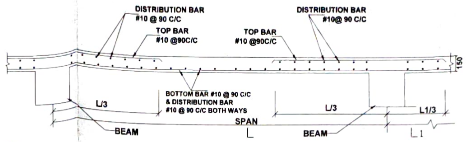
District Engineer
Cooch Behar Zilla Parishad
Cooch Behar



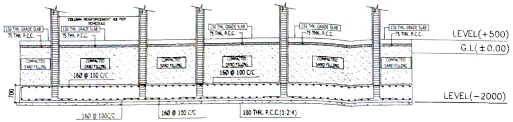
DETAILS OF TYPICAL BEAM SECTION



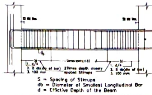
TYPICAL BEAM (B)-(300X450)



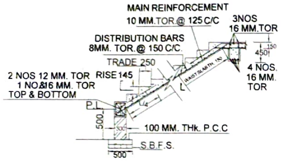
REINFORCEMENT DETAILS OF SLAB (150MM)



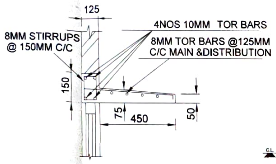
SECTION A-A



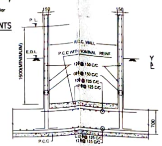
TYPICAL BEAM STIRRUPS ARRANGEMENTS



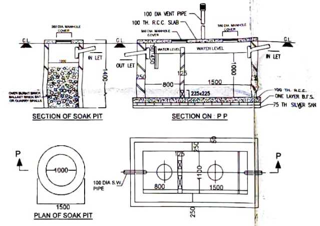
DETAIL OF STAIR REINFORCEMENT



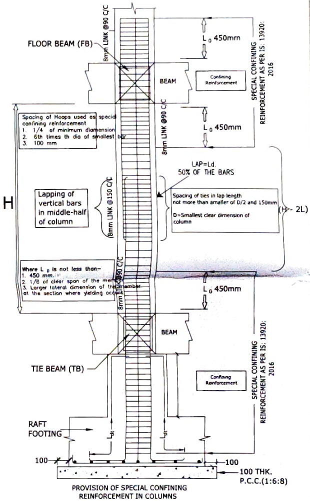
DETAILS OF CHAJJA



SECTION ON - XX
(R.C.C. DET. OF LIFT PIT)



DETAILS OF SEPTIC TANK

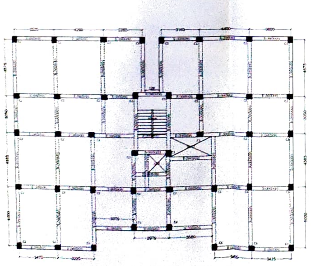


TYPICAL COLUMN AND FOOTING SECTION

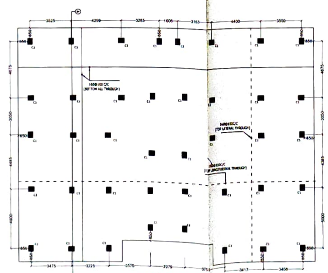
COLUMN SCHEDULE

COLUMN MKD.	FOUNDATION TO ROOF	LINK DETAIL
C1	400 x 500, 12-T20	

●T20 Provide 8# 4 legged lateral reinforcement @ 90 c/c
Upto terminal length of 450 mm at both end of beam - column junction
Provide 8# 4 legged lateral reinforcement @ 150c/c
clear cover= 40mm (from main steel); concrete = M25 (1:1:2);steel= Fe 500



SLAB BEAM PLAN



RAFT & COLUMN LAYOUT PLAN
RAFT THICKNESS 700MM

NOTES-

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED.
2. THE DRAWING SHOULD BE READ IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWING. ANY DISCREPANCY BETWEEN ARCH. DRAWING AND STRUCTURAL DRAWING SHALL BE RECONCILED BEFORE EXECUTION.
3. DULY WRITTEN DIMENSIONS ARE TO BE FOLLOWED. NEITHER THE BARS SHALL BE COUNTED NOR THE DIMENSION SCALED FROM DRAWINGS.
4. WATER FOR CONSTRUCTION PURPOSES SHALL CONFORM TO RELAVANT CLAUSES OF I.S. 456-2000.
5. BEARINGS FOR THE SLAB SHOULD BE PROVIDED FOR THE FULL WIDTH OF WALL UNLESS OTHERWISE SPECIFIED.
6. ALL REINFORCED CEMENT CONCRETE SHALL BE DESIGN MIX M-25 (UNLESS OTHERWISE SPECIFIED)
7. IN TWO WAY SLAB PLACE SHORT BARS IN BOTTOM LAYER.
8. ALL STEEL REINFORCEMENT SHALL BE OF TMT TYPE CONFORMING TO I.S.: 1786 AND HAVING MINIMUM YIELD STRENGTH OF 500N/mm2
9. LAP LENGTH/DEVELOPMENT LENGTH FOR REINFORCEMENT BARS AS/ I.S.: 456-2000 SHALL BE 49 X DIA OF BAR FOR M-25(UNLESS OTHERWISE SPECIFIED). LAPS SHALL BE STAGGERED AND AVOVIDED AT THE POINT OF MAXIMUM BENDING MOMENT
10. ALL BRICK IN THE MASONARY SHALL HAVE CHARACTERISTIC STRENGTH 7.5 N/mm2 UNLESS OTHERWISE SPECIFIED AND LAID IN 1:6 (1 CEMENT : 6 SAND) MORTOR.
11. CLEAR COVER FOR
    SLAB - 20mm
    BEAM - 25mm
    FOUNDATION TOP & SIDE - 50mm, FOUNDATION BOTTOM-75MM
    COLUMNS -40mm
12. LAP SHOULD NOT BE PROVIDED.
    a) WITHIN A JOINT
    b) WITHIN A DISTANCE 2d FROM JOINT FACE.
    c) WITHIN A DISTANCE ¼ LENGTH OF MEMBER FROM THE JOINT FACE.
13. NOT MORE THAN 50% OF BAR SHALL BE SPLICED AT ONE SECTION.
14. THE REINFORCEMENT DETAILING SHALL BE AS PER IS: 13920.
15. CONSTRUCTION JOINT SHALL BE MADE VERTICAL BY PROPER TEMPLATE WITH SLOTS FOR ACCOMMODATING REINFORCEMENT BARS. THE JOINT SHALL BE TREATED IN ACCORDANCE WITH IS. 11817
16. THE CONSTRUCTION JOINT SHALL BE PLANNED AND APPROVED BY THE ENGINEER IN CHARGE. BUT IT SHALL NOT BE PROVIDED IN BEAM.
17. DEPTH OF FOUNDATION 2M FROM NGL
18. BUILDING DESIGN FOR GROUND+4 STORIED TYPICAL

PROJECT:

PROPOSED G+(4) STORIED RESIDENTIAL BUILDING OF - ***IDEAL INFRASTRUCTURE SOLUTIONS PRIVATE LIMITED , AND MALINA BHATTACHARJEE AT KHAGRABARI, COOCH BEHAR, PS-KOTWALI, DIST-COOCH BEHAR PIN-736101, WEST BENGAL.***

LAND DETAILS-
AREA OF THE LAND- 616.21 SQM CLASSIFICATION OF THE LAND- BASTU
KHATIAN NO.L.R- 16336,1745/1, PLOT NO LR - 3782,3778 J.L. NO.-089, MOUZA: KHAGRABARI,

BUILDING DETAILS
COVERED AREA OF GROUND FLOOR- 403.77 SQM
GROUND FLOOR FOR PARKING
1ST FLOOR TO 4TH FLOOR- 403.77 SQM
PLINTH HEIGHT- 0.5 M
GROUND COVERAGE- 65.52%
EACH FLOOR HEIGHT - 2.9 M
HEIGHT OF THE BUILDING- 15 M (GL TO ROOF)

WALL THICKNESS-125 MM
GRADE OF CONCRETE- M25
USED OF REINFORCEMENT - FE-500

IDEAL INFRASTRUCTURE SOLUTIONS PVT. LTD.
Janushree Bhalia
DIRECTOR
Malina Bhattacharjee
SIGNATURE OF OWNER

SUBHRAJYOTI DATTA
B.E(Civil), M.Tech(Structure)
Chartered Engineer(AM158518-1)
LBS-CBM/PWD/L.B.S-1/07
SIGNATURE OF STRUCTURAL ENGINEER

APPROVED BY

DRAWING TITLE	SHEET NO: 1/1
COLUMN & FOUNDATION LAYOUT PLAN, COLUMN SEHEDULE, TYPICAL FLOOR BEAM G.A, REINFORCEMENT DETAILS OF TYPICAL FLOOR BEAM, REINFORCEMENT DETAILS OF SLAB, STAIRCASE DETAILS, GENERAL NOTES & DETAILS.	

Junior Engineer, Cooch Behar Zilla Parishad, Cooch Behar

Assistant Engineer, Cooch Behar Zilla Parishad, Cooch Behar

Checked & Vetted
Dr. Partha Ghosh
Professor
Construction Engg. Department
Jadavpur University, Kolkata-700 106

Assistant Engineer
WBSRDA, Cooch Behar - II Division

District Engineer
Cooch Behar Zilla Parishad
Cooch Behar