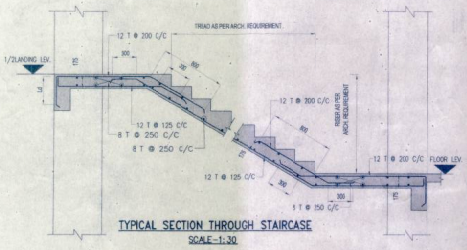



TYPICAL SECTION THROUGH STAIRCASE
SCALE-1:30

## PILE CAP SCHEDULE

| TYPE | DEPTH | CAP TOP REINF. | CAP BOTT. REINF. |
|---|---|---|---|
| 2P | 800 mm | 4-12T | 8-16T |
| 4P | 800 mm | 12T @ 200 C/C | 25T @ 100 CC |

## PILE DESCRIPTION & CAPACITY SHALL BE AS FOLLOWS:-

| PILE MKD | DIA | SHAFT LENGTH | VT CAPACITY | CUT OFF LEVEL |
|---|---|---|---|---|
| P | 450 m.m. | 25 M | 55 T. | (-)925 |

## D CAST-IN-SITU PILE)

SHALL BE TMT BARS OF
1786-2008.
WITH MINIMUM CEMENT CONTENT OF
OF CONC BETWEEN 150m.m.TO 180m.m.
m. (ROLLER TYPE COVER

E MORE THAN 50mm FOR SINGLE
ILES SHALL NOT BE PERMITTED.
ND TACK WELDED. AS

) PILE CAP FOR 75 mm THE HEADS
TRED DIA. AS PER FIG-2
PILE CAPACITY, CUT OFF LEV., AND
ITATIVE AND INDICATIVE ONLY.
ONS.

BE ADOPTED BY CIRCULATING
O 1.2 gm/cucm

SHALL BE CONDUCTED TO ENSURE
ATION LEV. AS PER FOLLOWING

FOR 1st. PILE &
FOR EVERY 10th. PILE THERE AFTER

## SCHEDULE OF TYPICAL FLOOR BEAMS

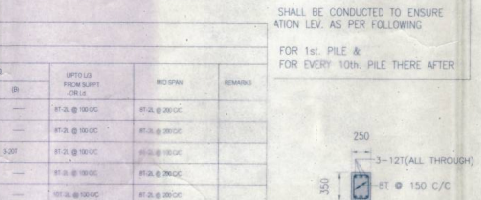
| BEAM MKD. | BEAM SIZE | BEAM REINF. END SUPPT. (T) | END SUPPT. (B) | MID SPAN (T) | MID SPAN (B) | CONT. SUPPT. (T) | CONT. SUPPT. (B) | CANT. END (T) | CANT. END (B) | UPTO L/3 FROM SUPPT. OR L/4 | MID SPAN | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B-1 | 200/250/450 | 3-16T | 1-16T+1-12T | 3-16T | 2-16T+1-12T | 2-16T+1-20T | 2-16T+1-12T | — | — | 8T @ 100 CC | 8T @ 200 CC | |
| B-2 | 250/450 | 3-20T | 3-20T | 3-20T | 3-20T+2-16T | 3-20T+2-20T | 3-20T | — | — | 8T @ 100 CC | 8T @ 200 CC | |
| B-3 | 250/450 | 3-20T | 3-20T | 3-20T | 3-20T | 3-20T | 3-20T | 3-20T | 3-20T | 8T @ 100 CC | 8T @ 150 CC | |
| B-4 | 250/450 | 2-20T+1-16T | 3-20T+1-16T | 3-20T | 2-16T+1-20T | 3-20T+2-16T | 2-20T+1-16T | — | — | 8T @ 100 CC | 8T @ 200 CC | |
| B-5 | 200/400 | 3-12T | 2-16T | 3-12T | 2-16T | — | — | — | — | 10T @ 100 CC | 8T @ 200 CC | |
| B-5A | 200/350 | 3-12T | 2-16T | 3-12T | 2-16T | — | — | — | — | 8T @ 100 CC | 8T @ 200 CC | |
| B-6 | 250/450 | 2-12T | 1-16T+1-12T | 3-12T | 2-16T+1-20T | — | — | — | — | 8T @ 100 CC | 8T @ 200 CC | |
| B-7 | 250/450 | 3-20T | 3-20T | 3-20T | 2-16T | 3-20T | 3-20T | — | — | 8T @ 100 CC | 8T @ 100 CC | |
| B-8 | 250/450 | 2-20T+1-16T | 3-16T+1-20T | 3-20T | 2-16T+1-20T | 3-20T | 2-16T+1-20T | — | — | 8T @ 100 CC | 8T @ 100 CC | |

## SCHEDULE OF COLUMN

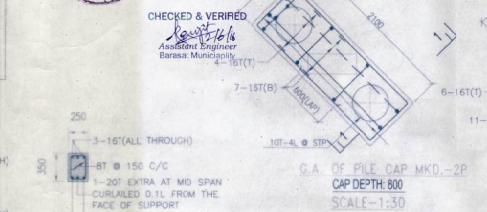
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ROOF | | M-36 | M-30 | M-30 | M-30 | M-30 | M-30 |
| TO 2ND FLOOR | 4-20T+4-16T | 6-20T+4-16T | 6-20T+6-16T | 4-20T+8-16T | 4-20T+8-16T | 4-20T+6-16T | |
| 2ND FLOOR | | M-36 | M-30 | M-30 | M-30 | M-30 | M-30 |
| TO FOUNDATION | 8-20T | 10-20T | 10-20T | 4-20T+8-16T | 4-20T+8-16T | 4-20T+8-16T | |
| COL. SIZE | 250x400 | 250x500 | 250x500 | 250x700 | 250x700 | 250x600 | |
| LEVEL / COL. MKD. | C1 | C2 | C3 | C4 | C4A | C5 | |

## SCHEDULE OF SLABS

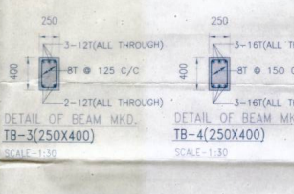
| SLAB MKD. | SLAB THK. | SLAB REINF. SHORTER DIR. SUPPORT | SHORTER DIR. MID SPAN | LONGER DIR. SUPPORT | LONGER DIR. MID SPAN | DISTRIBUTION |
|---|---|---|---|---|---|---|
| S1 | 110 | 8T @ 125 CC | 8T @ 150 CC | 8T @ 150 CC | 8T @ 175 CC | 8T @ 200 CC |
| S2 | 110 | 8T @ 200 CC | 8T @ 200 CC | 8T @ 200 CC | 8T @ 200 CC | 8T @ 300 CC |
| S3 | 125 | 8T @ 125 CC | 8T @ 125 CC | 8T @ 150 CC | 8T @ 150 CC | 8T @ 300 CC |
| S4 | 150 | 10T @ 125 CC | 10T @ 150 CC | 10T @ 125 CC | 10T @ 150 CC | 10T @ 300 CC |
| S5 | 125 | 8T @ 100 CC | 8T @ 125 CC | 8T @ 150 CC | 8T @ 175 CC | 8T @ 300 CC |




DETAIL OF BEAM MKD.
TB-1(250X350)
SCALE-1:30




DETAIL OF BEAM MKD.
TB-2(250X350)
SCALE-1:30




DETAIL OF BEAM MKD.
TB-3(250X400)
SCALE-1:30

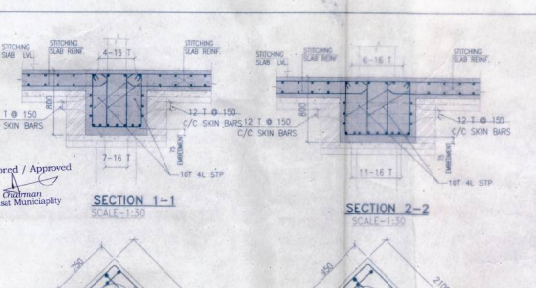
DETAIL OF BEAM MKD.
TB-4(250X400)
SCALE-1:30

Sanction Serial No. 1011

Building Plan Sanctioned
Meeting Date 22/6/2016

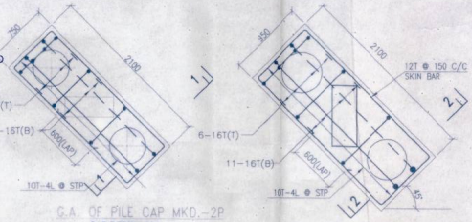
Sanctioned / Approved
Chairman
Barasat Municipality

CHECKED & VERIFIED
Assistant Engineer
Barasat Municipality




SECTION 1-1
SCALE-1:30

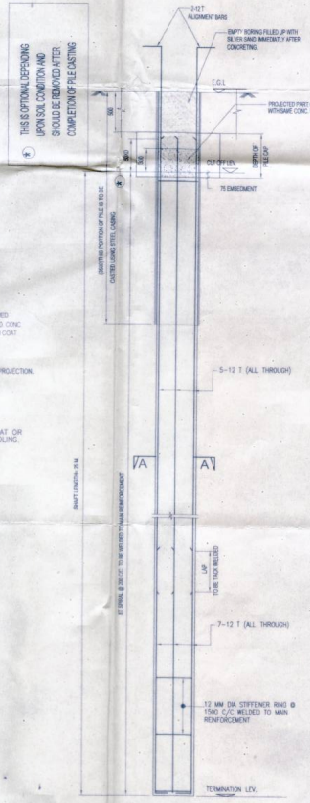
SECTION 2-2
SCALE-1:30



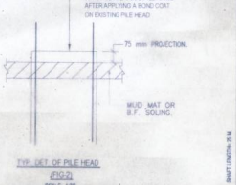

G.A. OF PILE CAP MKD.-2P
CAP DEPTH: 800
SCALE-1:30

G.A. OF PILE CAP MKD.-2P1
CAP DEPTH: 800
SCALE-1:30

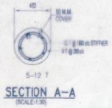
THIS IS OPTIONAL DEPENDING UPON SOIL CONDITION AND SHOULD BE REMOVED AFTER COMPLETION OF PILE CASTING



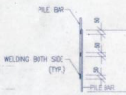

TYP. DET. OF PILE (BP)
PILE CAPACITY= 55 TON
SCALE-1:30



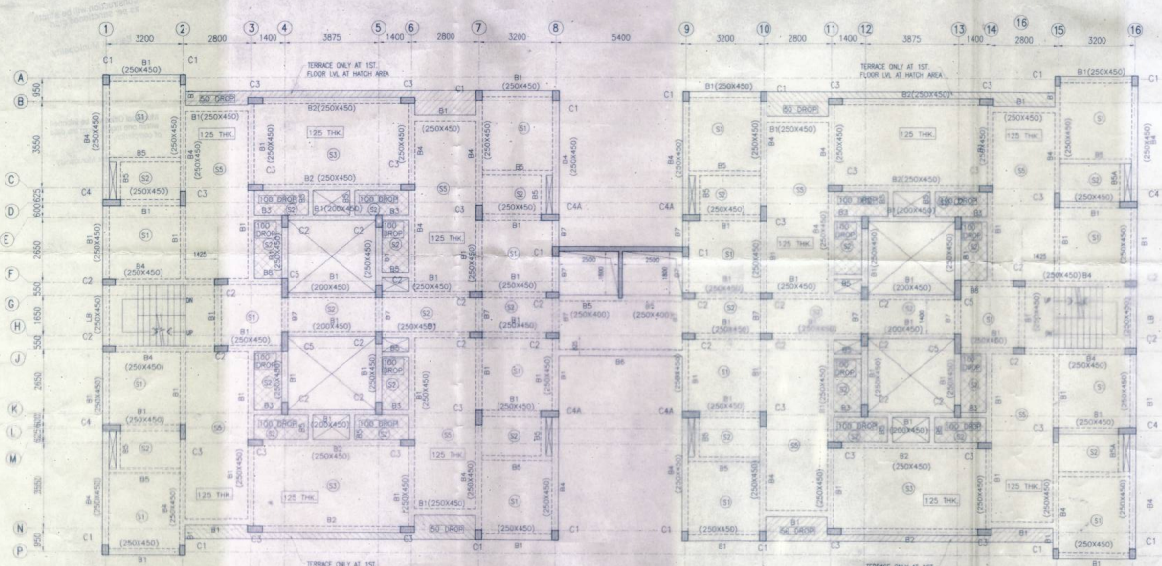

TYP. DET. OF PILE HEAD
FIG-2)
SCALE-1:30




SECTION A-A
SCALE-1:30




TYP. DET. OF REINF. LAP IN PILE
(FIG-1)
(SCALE-1:30)




G.A. AT TYP.(1ST. TO 7TH.) FLOOR LVL.(BLOCK-3BHK)
SCALE 1:30

## CERTIFICATE OF STRUCTURAL ENGINEER

I do HEREBY CERTIFY THAT THE BUILDING SITE PROPOSED FOR CONSTRUCTION AT 49/39, JESSORE ROAD (EAST), WARD NO-1 UNDER JURISDICTION OF BARASAT MUNICIPALITY HAVE BEEN VISITED BY ME AND ALL THE DESIGNS, DRAWINGS (PRICEY THE DRAWING NO SERIALLY), SOIL TEST REPORT AND LOAD TEST RESULTS FOR FOUNDATION AND SUPER STRUCTURE HAVE BEEN DULY REVIEWED CONFIRMING TO STIPULATIONS OF ALL LATEST RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE AND IT I FOUND THAT EVERYTHING IS COMPLETELY IN ORDER AND THE PROPOSED FOUNDATION AND SUPERSTRUCTURE ARE SAFE IN ALL RESPECT.

Mriganka Kumar Roy
M. K. ROY
B.C.E. (Jadavpur) M.Sc. TECH. (Aberdeen, U.K.)
A.M.I.S.T., C.ENG, M.I. STRUCT.E. (London)
Membership No-20108097
KMC Empanelled Structural Engineer,
Class-I, E.S.E.-1/6

## SIGNATURE OF STRUCTURAL REVIEWER
MRIGANKA KUMAR ROY
E.S.E.-1/06

I HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON 49/39, JESSORE ROAD (EAST), WARD NO-1 UNDER JURISDICTION OF BARASAT MUNICIPALITY HAVE BEEN PERSONALLY INSPECTED AND SO DESIGNED BY ME WILL MAKE SUCH FOUNDATION AND SUPER STRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL AND OTHER CONDITIONS, IF ANY CONFORMING TO ALL STIPULATIONS OF ALL RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

Utpal Santra
UTPAL SANTRA
B.C.E., M.C.E. (STRUCT.)
M.I.E.-M1122104
KMC Empanelled Structural Engineer

## SIGNATURE OF STRUCTURAL ENGINEER
UTPAL SANTRA
E.S.E.-1/56

I HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE BUILDING PROPOSED FOR CONSTRUCTION ON 49/39, JESSORE ROAD (EAST), WARD NO-1 UNDER JURISDICTION OF BARASAT MUNICIPALITY HAVE BEEN PERSONALLY INSPECTED AND SO DESIGNED BY ME WILL MAKE SUCH FOUNDATION AND SUPER STRUCTURE SAFE IN ALL RESPECT INCLUDING THE CONSIDERATION OF BEARING CAPACITY AND SETTLEMENT OF SOIL AND OTHER CONDITIONS, IF ANY CONFORMING TO ALL STIPULATIONS OF ALL RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

ALOK ROY
Enlisted Geotechnical Engineer
Rajpur-Sonarpur Municipality
No. - 003 / G. T. Engr.

## SIGNATURE OF GEO-TECHNICAL ENGINEER
ALOK ROY
46 MIAN PARK KOLKATA700084.
REGD. NO: 003/G.E.ENG

## CERTIFICATE OF ARCHITECT :-

I DO HEREBY CERTIFY THAT PLANS,ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF THE PROPOSED BUILDING ON 49/39, JESSORE ROAD (EAST), WARD NO-1 UNDER JURISDICTION OF BARASAT MUNICIPALITY HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISIONS UNDER THE WEST BENGAL MUNICIPAL(BUILDING) RULES,2007.THIS ALSO TO CERTIFY THAT ALL RELEVANT 'NO OBJECTION' CERTIFICATES FROM THE RESPECTIVE AUTHORITIES, SUCH AS FIRE AND EMERGENCY, SERVICES DEPARTMENT, AIRPORT AUTHORITY, POLLUTION CONTROL BOARD, TELECOMMUNICATION DEPARTMENT ETC AS APPLICABLE IN THIS REGARD,ARE ALSO ENCLOSED WITH THE APPLICATION FOR SEEKING APPROVAL OF THE PLAN TO CONSTRUCT/RECONSTRUCT/ ADDITION TO/ALTERATION OF THE BUILDING ON THE SAID PLOT.

Subir Kumar Basu
SUBIR KUMAR BASU
Registered Architect
Regid No.- CA/78/4375

## SIGNATURE OF ARCHITECT
SUBIR KUMAR BASU
4,BROAD STREET,KOLKATA--700019
REGD. NO: CA/78/4375

CANDICE TOWERS PVT. LTD. & OTHERS

Constituted Attorney/Authorised Signatory

## SIGNATURE OF OWNER

NOTE:-
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
2. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT SHALL BE TMT BARS OF GRADE FE-500 (FOR DIA. 2 & ABOVE) &
FE-415 (FOR DIA 8 & 10) CONFIRMING TO IS-1786-1985 AND ELONGATION SHALL BE MINIMUM 14.5 PERCENT.
3. CLEAR COVER FOR ALL MAIN REINF SHALL BE
a)PILE CAP = 50 b) COLUMN = 40 c)STAIR = 20
d)FLOOR BEAM = 25 e)FLOOR SLAB = 20
4. GRADE OF CONCRETE M25/M30
5. GRADE OF P.C.C.
a)UNDER FOUNDATION = 1:4:8 b)UNDER FLOOR = 1:3:6
6. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH DRAWING.
7. ANY DISCREPANCY IN THE STRUCTURAL DRAWINGS WITH ANY OTHER DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT.

Project:
PROPOSED (G+7) RESIDENTIAL BUILDING AT BARASAT,
49/39, JESSORE ROAD (EAST), KOLKATA-700124, DISTRICT 24 PARGANAS(NORTH), BLOCK BARASAT I, MOUZA-SITI, J.L. NO. 101, P.S. & P.O. BARASAT UNDER WARD NO. 01 OF BARASAT MUNICIPALITY LR DAG NOS. 539, 539/1430,540,544,553 & 554, RS DAG NOS 543,545 TO 548,550,621 TO 632,632/1346,633 TO 635,635/1347,636,637,644 TO 647,649, 659 TO 661,671 & 672.

Architect:
Subir Kumar Basu
CONSULTING ARCHITECTS & ENGINEERS 4, BROAD STREET
KOLKATA-700019

Civil & Structural Consultants:
M.N.CONSULTANTS (Pvt).Ltd.
MNC HOUSE
1516, RAJDANGA MAIN ROAD
KOLKATA - 700 107
Ph.no.-913324418082/913340165700
FAX NO. 913324418083
E-MAIL:mncospl2008@gmail.com.

Title:
TYPICAL FLOOR G.A WITH SCHEDULE OF COLUMN,BEAM & SLAB(3BHK)

| Drawn | Scale:- | Date |
|---|---|---|
| A.M. | AS SHOWN | 09.05.16 |

☐ Design Development ■ Corporation Dwg ☐ As Built Dwg
☐ Contract Document ☐ Construction Dwg ☐ Tender Dwg.

| Job No. | Drawing No. |
|---|---|
| 1545 | 3B-S10-00-02 |