



SCHEDULE OF FOOTING

FOOTING NO.	FOOTING SIZE A x B x D x / 4	REINFORCEMENT (BOTTOM)		REINFORCEMENT (TOP)	
		LONG WAY (R2)	SHORT WAY (R1)	LONG WAY (R2)	SHORT WAY (R1)
F1	3500x3500x350/150	12T @ 125 C/C	12T @ 125 C/C	12T @ 150 C/C	12T @ 150 C/C
F2	2500x4800x450/150	10T @ 125 C/C	10T @ 125 C/C	12T @ 150 C/C	12T @ 150 C/C
F3	3500x4900x400/150	10T @ 150 C/C	10T @ 125 C/C	12T @ 150 C/C	12T @ 150 C/C
F4	6000x9700x650	12T @ 150 C/C	12T @ 150 C/C	12T @ 150 C/C	12T @ 150 C/C

PILE INSTALLATION (BORED CAST-IN-SITU PILE)

1. ALL REINFORCEMENT IN PILE SHAFTS TO BE TMT BARS OF GRADE Fe500 CONFORMING TO IS 1786-2008.
2. CONC. MIX IN PILE SHALL BE M-25 WITH MINIMUM CEMENT CONTENT OF 400 Kg/CUM OF CONC. AND SLUMP OF CONC. BETWEEN 150mm TO 180mm.
3. CLEAR COVER TO REINF. PILE 50 mm. (ROLLER TYPE COVER BLOCK TO BE USED).
4. POSITIONAL ECCENTRICITY OF ANY PILE MORE THAN 50mm. FOR SINGLE PILE AND 75 mm. FOR GROUP OF PILES SHALL NOT BE PERMITTED.
5. ALL LAP JOINTS SHALL BE 50 X D AND TACK WELDED, AS SHOWN IN FIG-1.
6. THE PILE HEADS SHALL PROJECT INTO PILE CAP FOR 75 mm THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA. AS PER FIG-2
7. CONTRACTOR SHALL NOTE THAT THE PILE CAPACITY, AND TERMINATION LEVELS SHOWN ARE TENTATIVE AND INDICATIVE ONLY. THIS MAY VARY AS PER SITE CONDITIONS.
8. ROTARY DRILLING OF PILE BORING SHALL BE ADOPTED FOR PILE BY CIRCULATING DRILLING FLUID OF SP. GR. 1.03 TO 1.1 gm/cm³ & IN NO CASE IT SHOULD EXCEED 1.12 gm/cm³ CONFORMING TO IS-2911:2010.
9. DMC METHOD OF PILE BORING SHALL BE ADOPTED FOR PILE BY CIRCULATING DRILLING FLUID OF SP. GR. 1.03 TO 1.1 gm/cm³ & IN NO CASE IT SHOULD EXCEED 1.12 gm/cm³ CONFORMING TO IS-2911:2010.
10. FIELD CONSISTENCY TEST WITH S.P.T. SHALL BE CONDUCTED TO ENSURE THE DESIRED S.P.T. VALUE AT TERMINATION LEV. AS PER FOLLOWING FREQUENCY & INSIDE PILE BORE HOLES AT EVERY 300 MM LAYER STARTING
a). FROM 2.0M ABOVE THE TERM. LEV. FOR 1st. PILE &
b). FROM 1.0M ABOVE THE TERM. LEV. FOR EVERY 10th. PILE THEREAFTER
11. FOR BORING SHALL CONTINUE DEEP (About 28.0m) INSIDE STRATUM V CONSISTING OF DENSE GREY SILTY SAND.
12. (±)0.00 LEV. TO BE CONFIRMED FROM ARCH. DRG.
13. INITIAL LOAD TEST TO BE PERFORMED.
14. PILE CAPACITY IS TENTATIVE SUBJECT TO SUCCESSFUL INITIAL LOAD TEST.
15. ROUTINE LOAD TEST TO BE PERFORMED.

CERTIFICATE OF STRUCTURAL REVIEW

I/WE HEREBY CERTIFY THAT THE BUILDING SITE PROPOSED FOR THE CONSTRUCTION OF PROPOSED G+4WB & S+1 BUILDING AT HOLDING NO 787/1 B.T. ROAD, WARD NO. 6, MOUZA, AGARPARA, LL NO.11, DAG NOS.1074,1075,1076,1081,1082,1086,1087,1088,1089, POLICE STATION, KHARDAI, DISTRICT-24 PARAGANAS(GAURHAT) UNDER THE JURISDICTION OF PANHATI MUNICIPALITY HAVE BEEN PERSONALLY VISITED BY ME/US AND ALL THE DESIGN, DRAWINGS, SOIL TEST REPORT AND LOAD TEST RESULTS FOR FOUNDATION AND SUPERSTRUCTURE HAVE BEEN CAREFULLY REVIEWED CONFORMING TO STIPULATIONS OF ALL LATEST RELEVANT IS CODE OF PRACTICE AND NATIONAL BUILDING CODE AND IT IS FOUND THAT EVERYTHING IS COMPLETELY IN ORDER AND THE PROPOSED FOUNDATION AND SUPER STRUCTURE ARE SAFE IN ALL RESPECT.

Upul Santra
L.T.C. SAHITRA
B.C.E., M.C.E. (STRUCTURE)
F.I.E.-P1210001
MNC Registered Structural Engineer

SIGNATURE OF OWNER & DEVELOPER :

CERTIFIED THAT I HAVE GONE THROUGH THE BUILDING BUILDS OF WEST BENGAL ARCHITECTURE REGULATIONS AND ITS AMENDMENTS ALSO I HAVE TAKEN CARE TO ASK BY THOSE BUILDS DURING & AFTER THE CONSTRUCTION OF THE BUILDING.

S.P. Das
Consultant Attorney /
SIGNATURE OF OWNER

CERTIFICATE OF STRUCTURAL ENGINEER

I/WE HEREBY CERTIFY THAT THE FOUNDATION AND SUPERSTRUCTURE OF THE PROPOSED G+4WB & S+1 BUILDING AT HOLDING NO 787/1 B.T. ROAD, WARD NO. 6, MOUZA, AGARPARA, LL NO.11, DAG NOS.1074,1075,1076,1081,1082,1086,1087,1088,1089, POLICE STATION, KHARDAI, DISTRICT-24 PARAGANAS(GAURHAT) UNDER THE JURISDICTION OF PANHATI MUNICIPALITY, HAVE BEEN PERSONALLY INSPECTED AND REVIEWED BY ME. I WILL MAKE SUCH INSPECTION 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 APPLICABLE IS CODE OF PRACTICE AND NATIONAL BUILDING CODE.

Rupak Kumar Banerjee
RUPAK KUMAR BANERJEE
B.C.E., M.E., MGS
M.I.E., CHARTERED ENGINEER
ENLISTED GEO-TECHNICAL ENGINEER (M.C.E.)
G.T.A./R.M.C. (M-4278, M-133875-5)

SIGNATURE OF GEO-TECHNICAL ENGINEER

Ankit Agarwala
ANKIT AGARWALA
B.E. (CIVIL) (B.TE)
G. ENG. M. STRUCT. ENGINEER
M.C.E. (M-4278, M-133875-5)

SIGNATURE OF STRUCTURAL ENGINEER

CERTIFICATE OF ARCHITECT

I/WE HEREBY CERTIFY THAT PLANS, ELEVATIONS AND SECTIONS AND OTHER STRUCTURAL DETAILS OF PROPOSED G+4WB & S+1 BUILDING AT HOLDING NO 787/1 B.T. ROAD, WARD NO. 6, MOUZA, AGARPARA, LL NO.11, DAG NOS.1074,1075,1076,1081,1082,1086,1087,1088,1089, POLICE STATION, KHARDAI, DISTRICT-24 PARAGANAS(GAURHAT) UNDER JURISDICTION OF PANHATI MUNICIPALITY, HAVE BEEN PREPARED IN CONFORMITY WITH ALL RELEVANT PROVISIONS UNDER WEST BENGAL ARCHITECTURE ACT 2007 & AMENDMENTS. THIS ALSO TO CERTIFY THAT 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 AND ALSO CONFORMING WITH THE APPROVAL FOR CONSTRUCTION OF THE PLAN TO CONSTRUCTION AUTHORITY UNDER THE JURISDICTION OF THE SAID PILE.

Kamal Kumar Permal
KAMAL KUMAR PERMAL
CA-85-19579

SIGNATURE OF ARCHITECT

SPACE FOR SEAL

NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
2. UNLESS OTHERWISE SPECIFIED ALL REINFORCEMENT SHALL BE TMT BARS OF GRADE Fe-500 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) FLOOR BEAM = 25
d) FLOOR SLAB = 25
e) STAIR = 25
4. GRADE OF CONCRETE M25/M30
5. GRADE OF P.C.C.
6. UNDER FOUNDATION = 1:4:8
BINDER FLOOR = 1:3:6
7. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH RELEVANT ARCH. DRAWING.
8. ANY DISCREPANCY IN THE STRUCTURAL DRAWINGS WITH ANY OTHER DRAWINGS SHALL BE BROUGHT TO THE NOTICE OF STRUCTURAL CONSULTANT.
9. DETAILS OF PILE CAP TO BE PROVIDED IN THE WORKING DRAWING.
10. FOR DETAIL OF PILE SHAFT REFER DMS. NO. 00-543-03-01.
11. THE REINFORCEMENT DETAIL MUST CONTAIN THE STIPULATION OF IS 13920:1993. CONSTRUCTION SHALL BE DONE AS PER IS:456(2000)

Project:

PROPOSED G+4WB BUILDING UNDER PANHATI MUNICIPALITY, AT HOLDING NO. 787/1 B.T. ROAD, WARD NO. 6, MOUZA, AGARPARA, LL NO.11, DAG NOS. 1074, 1075, 1076, 1081, 1082, 1086, 1087, 1088, 1089, POLICE STATION, KHARDAI, DISTRICT-24 PARAGANAS(GAURHAT)

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Title: FOUNDATION LAYOUT

Scale: AS SHOWN Date: 17.02.2021

Drawn: KALPADA

Design Development Corporation Draw As Built Draw
 Contract Document Construction Draw Tender Draw

File Name: _____

Job No: 1657 Drawing No: C-00-S10-00-01

Foundation layout St.

367 Date 21 DEC 2021
The plan has been sanctioned subject to rules & the condition that Notice of commencement of work and certificate of completion/occupancy should be submitted to the municipality within one month of commencement and completion as per Rule 21 of the W.B.M. Act, 2007 as amended. This sanction shall remain of valid for three years from the date sanction


Sub Assistant Engineer
Panihatli Municipality


Ass. Engineer
Panihatli Municipality

SANCTIONED

Executive Officer
Panihatli Municipality 21 DEC 2021