

PROJECT NAME:—

STRUCTURAL DRAWING OF PROPOSED (G+8) NINE STORIED RESIDENTIAL BUILDING MR.SURESH RUIDAS, S/O SANATAN RUIDAS,(DEVELOPED BY LOKENATH DEVELOPERS) R.S. PLOT NO-43/67 L.R. PLOT-187, J.L NO-111,R.S KHATIAN NO-59 L.R. KHATIAN NO-1493, MOUZA-TETIKHOLA, P.S-NEW TOWNSHIP, DIST.-PASCHIM BARDHAMAN.

NOTES :-

1. ALL DIMENSIONS ARE IN MILLIMETER AND LEVELS ARE IN METER UNLESS OTHERWISE STATED.
2. ± 0.00 LVL. REFERS TO E.G.L
3. CLEAR CONCRETE COVER TO MAIN REINFORCEMENT BARS SHALL BE AS FOLLOWS :-

	TOP	BOTTOM	SIDE
a) PILE -	50 mm	50 mm	50 mm
b) PILE CAP -	75 mm	75 mm	75 mm
4. ALL PILES SHALL BE BORED CAST-IN-SITU PILES, DMC METHOD SHALL BE ADOPTED BY CIRCULATING BENTONITE SLURRY OF SP GRAVITY 1.1 TO 1.2 gm/cc.
5. ALL REINFORCEMENT IN PILE SHALL BE HIGH TENSILE STRENGTH COLD TWISTED DEFORMED BAR CONFORMING TO IS-1786-2008 OF GRADE Fe500.
6. CONCRETE GRADE SHALL BE M25 WITH MINIMUM CEMENT CONTENT OF $400\text{Kg}/\text{M}^3$ OF CONCRETE & SLUMP BETWEEN 150mm TO 180mm.
7. CONCRETING SHALL BE DONE BY SUITABLE TREMIE ONLY & IT SHOULD BE REACHED WITHIN 500 TO 750mm FROM BOTTOM LEVEL OF BORE HOLE.
8. CONCRETE SHALL BE DONE AS SOON AS POSSIBLE AFTER COMPLETING THE PILE BORE. THE BORE HOLE FULL OF DRILLING MUD SHOULD NOT BE LEFT UNCONCRETED FOR MORE THAN 12 TO 24 HOURS DEPENDING UPON THE STABILITY OF BORE HOLES.
9. FOR PLACING CONCRETE IN PILE BORE A FUNNEL SHOULD BE USED & METHOD OF CONCRETE SHOULD BE SUCH THAT THE ENTIRE VOLUME OF THE PILE BORE IS FILLED UP WITHOUT THE FORMATION OF VOIDS &/ FOR MIXING OF SOIL & DRILLING MUD IN CONCRETE.
10. THE PILE HEADS SHALL PROJECT IN TO THE PILE CAP 75mm. THE HEADS TO BE NEATLY FORMED TO THE REQUIRED DIA.
11. 80mm ROLLER TYPE COVER BLOCK WITH MINIMUM THICKNESS 32mm SHALL BE USED.
12. ALL LAP JOINTS AND DEVELOPMENT LENGTHS SHALL BE $50 \times \text{DIA}$ & TACK WELDED.
13. INITIAL PILE LOAD TEST AND ONE NUMBER ROUTINE LOAD TEST SHALL BE PERFORMED AS PER IS CODE FOR EVERY 100 PILES.
14. SPACER BAR OF DIA T16 ARE TO BE PROVIDED AT AN INTERVAL OF 1500M C/C TO WELDED.
15. WASHING TO BE DONE WITH 20HP PUMP/VACEL AS PER SITE REQUIREMENT.

16. BENTONITE TO BE USED AS PER IS CODE.
17. VIBRATOR SHALL BE USED FOR PROPER COMPACTION OF CONCRETE AND CURING SHALL BE DONE PROPERLY.
18. THIS DRAWING SHOULD BE READ ALONG WITH THE CORRESPONDING ARCHITECTURAL DRAWING.
19. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT SURVEY DRAWING.
20. PILE CAPACITY OF SOIL & OTHER NECESSARY SUGGESTION HAS BEEN CONSIDERED AS PER SOIL REPORT.

SIGNATURE OF STRUCTURAL ENGINEER:-

Hirok Ghosh
HIROK GHOSH
 Structural Engineer
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VETTED BY:-

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Approved Plan No. 8 on Meeting
 No. 10/2019-20 Date 11/12/2019
 Valid upto 11/05/2024

Malika Bhowmik
Prodhan 12/05/22
 Jemua Gram Panchayat

TITLE:-

COLUMN & FOOTING LAYOUT PLAN, SCHEDULE OF COLUMN & FOOTING, DETAILS OF LIFT WALL, SECTIONAL DETAILS OF PILE, DETAILS OF PILE CAP, DETAILS OF HOOK.

SCALE : 1:100, 1:50, 1:25, N.T.S

REV-00

DATE : 30.01.2021

SHEET NO:- GIDS/STRU/P&RD/01-02

