STRUCTURAL DETAILS OF PLINTH BEAM
BEAM SIZE 250 X 300

COLUMN & FOOTING LAYOUT PLAN

COLUMN FOOTING

PLINTH WALL
450X600MM

SILL & LINTEL BEAM

COLUMN SCHEDULE :-

COLUMN NO	SIZE	MIX	DETAILS OF REINFORCEMENT
C-1	250 X 250	M-20 & Fe-415	MAIN R/F IN COL : 8# - 16MM Ø TIES R/F IN COL : 8MM Ø@100MM AT EDGE & 150MM C/C AT MID

DETAILS OF ISOLATED FOOTING :-

FOOTING NO	SIZE	DEPTH		REINFORCEMENT PARALLEL TO	
		D1	D2	X	Y
F-1	1800 X 1800	350	350	10Ø @150MM C/C	10Ø @150MM C/C

District Medical & Health Officer
East Jaintia Hills District
Khliehriat

NOTES:
- STRUCTURAL DRAWING SHOULD BE READ IN CONJUNTION WITH ARCHITECHTURAL DRAWING.
- ALL DIMENSIONARE IN MILLIMETER UNLESS INDICATED OTHERWISE.
- STRUCTURE DRAWING ARE NOT TO BE SCALED.
- SLAB AND BEAM SHOULD BE CASTED MONOLITHICALLY.

GENERAL SPECIFICATION:
- CONCRETE 1:1.5:3 (M20) HAS BEEN USED FOR ALL STRUCTURAL MEMBERS.
- STEEL USED IS TOR STEEL (FY= 415 N / SqMM FOR ALL BARS.
- COVER TO REIMFORCEMENT:-
  SLAB = 20 MM BEAM = 25MM
  COLUMN = 40 MM FOOTING = 50 MM
- SAFE BEARING CAPACITY OF SOIL HAS BEEN ASSUMED AS 150 KN/m2 .
- MINIMUM DEPTH OF FOUNDATION(Df) IS CONSIDERED AT A DEPTH OF 2.00 M BELOW GROUND LEVEL AND MAY BE INCREASED WITH UNSATISFACTORILY SOIL CONDITION.
- DEVELOPMENT LENGTH OF BARS IS 50 D, WHERE D IS THE BAR DIAMETER .
- LAPPING AT SUPPORT OR NEARER TO THE END LAPPING AT MIDSPAN OR NEARER TO THE MIDSPAN SHALL BE AVOIDED.
- FOUNDATION HAS BEEN DESIGN FOR G + 3 STOREYED STRUCTURE ONLY.

CERTIFIED THAT THE BUILDING HAS BEEN DESIGNED TAKEN INTO ACCOUNT THE SEISMIC FACTOR OF ZONE ,i.e ZONE V

PROJECT :	DATE:	CONTENT:	PREPARED BY:		COUNTERSIGNED BY:	APPROVED BY:
PROPOSED CONSTRUCTION OF LABOUR ROOM AT MUKHAIALONG SUB CENTRE, EAST JAINTIA HILLS	SCALE : NTS	STRUCTURAL	JUNIOR ENGINEER HEW EAST JAINTIA HILLS	JUNIOR ENGINEER MHSSP EAST JAINTIA HILLS	SDO HEALTH ENGINEERING WING, EAST JAINTIA HILLS	EXECUTIVE ENGINEER, HEALTH ENGINEERING WING, SHILLONG
	DWG NO.: 07/19/EJHills/ Mukhaialong/ Struct/01	ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.				