STRUCTURAL DETAILS OF PLINTH BEAM
BEAM SIZE 250 X 300

COLUMN & FOOTING LAYOUT PLAN

SILL & LINTEL BEAM

COLUMN FOOTING

PLINTH WALL
450X600MM

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 TUBER SUB CENTRE, EAST JAINTIA HILLS	SCALE : NTS DWG NO.: 07/18/EJHills/ Tuber/Struct/01	STRUCTURAL ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED. DRAWINGS ARE MEANT TO BE READ ONLY.	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