STRUCTURAL DETAILS OF ROOF BEAM "B1"
BEAM SIZE 250 X 350

BEAM & SLAB LAYOUT

STRUCTURAL DETAILS OF SLAB

LEGEND :-
Slab thickness shown in ☐ in mm
a - 10Ø @150c/c
b - 10Ø @150c/c
c - 10Ø @300c/c
- - - - - Top bars
_____ Bottom bars

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

District Medical & Health Officer
East Jaintia Hills District
Khliehriat

PROJECT : ***PROPOSED CONSTRUCTION OF LABOUR ROOM AT LADRYMBAI SUB CENTRE, EAST JAINTIA HILLS***	*DATE:* *SCALE* : NTS *DWG NO.:* 07/13/EJHills/ Ladrymbai/ Struct/02	***CONTENT:*** STRUCTURAL *ALL DIMENSIONS ARE IN MM OR OTHERWISE MENTIONED.* *DRAWINGS ARE MEANT TO BE READ ONLY.*	PREPARED BY: JUNIOR ENGINEER HEW EAST JAINTIA HILLS JUNIOR ENGINEER MHSSP EAST JAINTIA HILLS	COUNTERSIGNED BY: SDO HEALTH ENGINEERING WING, EAST JAINTIA HILLS	APPROVED BY: EXECUTIVE ENGINEER, HEALTH ENGINEERING WING, SHILLONG.