DETAIL DRAWING OF REINFORCEMENT OF BEAMS AT PLINTH LEVEL / ROOF BEAM

S - 8 mm dia bars @ 100 mm c/c

PB/RB-1  PB/RB-2  PB/RB-3
  C1   C1   C1

PB/RB-7  PB/RB-8  PB/RB-9  PB/RB-10
  C1   C1   C1   C1

3.34  2.93  2.73

3-12Ø  3-12Ø  3-12Ø

S   S   S   S   S   S   S   S

3.34  2.93  2.73

BEAM DETAIL FOR BEAM PB/RB-1 to PB/RB-6

3-12Ø  3-12Ø  3-12Ø  3-12Ø

S   S

BEAM DETAIL FOR BEAM PB/RB-7 & PB/RB-10

NOTES:

- All dimensions are in meters, unless wherever specified diameter of the bars shown in mm.
- Dimensions are not to be scaled out, only written dimensions may be taken as correct.
- Size of Beam is 250 X 250 mm.
- Grade of concrete shall be M20.
- All reinforcement shall be of grade Fe 415 confirming to IS:1786-2008.
- Clear Cover to reinforcement shall be 25 mm.
- Bending and fixing of reinforcement shall be as per is:2502-1963.
- Lap length and anchorage length shall be 57 times the bar diameter
- Further refer notes from the drawing of 'Detail' of footings.

DRG. No. - NIT/CEED/2017/OP-2-RCC-SR Z-IV/DWG-3
NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR
BUILDING NAME:
PMAY HFA
OPTION 2
REINFORCED CONCRETE
BUILDING
SLOPING ROOF
ZONE IV
DETAILED PLINTH / ROOF BEAM

DESIGNED BY:
Dr. Pardeep Kumar
Dr. Hemant Kumar Vinayak

Dr. Hemant Kumar Vinayak
Assistant Professor
Department of Civil Engineering
National Institute of Technology
Hamirpur - 177005 (H.P.)

Dr. Pardeep Kumar
Associate Professor (Structural Engg.)
Civil Engineering Department
NIT Hamirpur - 177005