DETAILED DRAWING OF REINFORCEMENT OF BEAMS AT PLINTH LEVEL

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

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.

BEAM DETAIL FOR BEAM PB-1 to PB-6

BEAM DETAIL FOR BEAM PB-7 & PB-10

BEAM DETAIL FOR BEAM PB-8 & PB-9

DRG. No. - NIT/CED/2017/OP-2-RCC-FR Z-V/DWG-3

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME:

PMAY HFA

OPTION 2

REINFORCED CONCRETE BUILDING

FLAT ROOF

ZONE V

DETAIL OF PLINTH BEAM

DESIGNED BY:

Dr. Pardeep Kumar
Dr. Hemant Kumar Vinayak

Associate Professor (Structural Enng.)
Civil Engineering Department
NIT, Hamirpur (H.P.)-177005

Dr. Hemant Kumar Vinayak
Assistant Professor
Department of Civil Engineering
National Institute of Technology, Hamirpur -177005 (H.P.)
DETAILED DRAWING OF REINFORCEMENT OF BEAMS AT ROOF LEVEL

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

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.

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- 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/CED/2017/OP-2-RCC-FR Z-V/DWG-4

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME :
PMAH HFA
OPTION 2
REINFORCED CONCRETE BUILDING
FLAT ROOF
ZONE V

DETAIL OF 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 (H.P.)-177005
• Clear cover for the slab should be 20mm.
• All dimensions are in meter

SCHEDULE OF BARS
a. 8 mm Ø @ 150 mm c/c