

FLOOR PLAN DETAIL

Schedule of Door & Windows

Name	Lintel	Width	Sill lvl	Description
D1	2.10	0.90	--	PVC DOOR
D2	2.10	0.75	--	
W1	2.10	1.50	0.90	V
W3	2.10	0.60	0.90	
V	2.10	0.60	1.80	

NOTES:-

Clear height of DU = 2.85 m

Chajja projection over windows is 450 mm .

Confinement Column sizes : C1 - 230 mm X 230 mm, C2 - 230 mm X150 mm ,
C3- 115 mm X115 mm

* All the Dimensions in m

NOTES:-

- All dimensions are in m, 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.
- Nominal mix concrete 1:1.5:3 according IS 456 Clause 9.3
- The reinforcement shall be of high strength deformed steel bars conforming to IS:1786-2008
- Lap length and development length (L_d) for 10mm Φ is 500 mm
- Second class brick must be used
- Mortar 1:4 as per to Table 3 IS 4326-2013
- All walls are one Brick Thick Masonry walls or Autoclaved Aerated Block of Class 7.5
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- Refer DWG-2 to DWG-5 for earthquake resistance and structural detail.
- Ventilator size may be increased with a partially fixed portion to avoid giving two number of C-2 columns.

DRG. No. - NIT/CED/2017/PMAY-OP1-CMB-SR-ZIV,V/DWG-1

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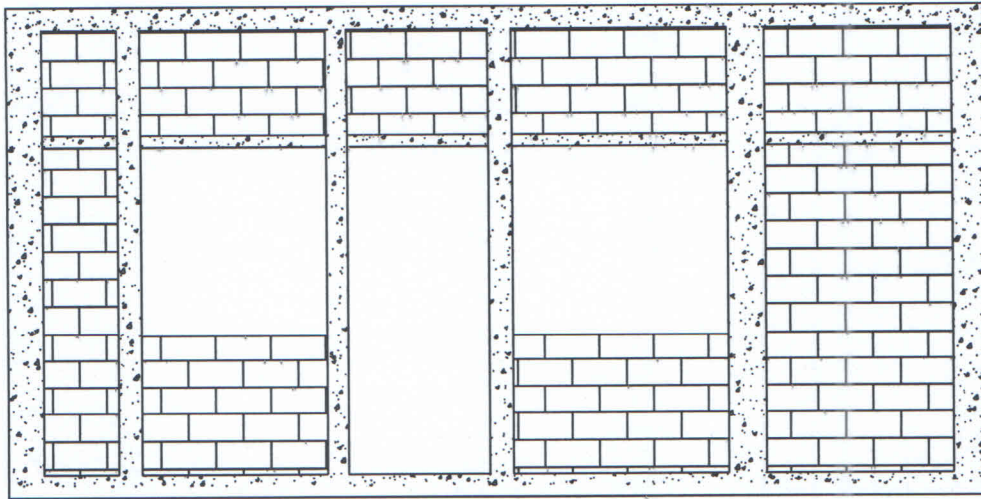
BUILDING NAME:
PMAY HFA
OPTION 1
CONFINED MASONRY
BUILDING
SLOPING ROOF
ZONE IV, V

DRAWING TITLE:
FLOOR PLAN

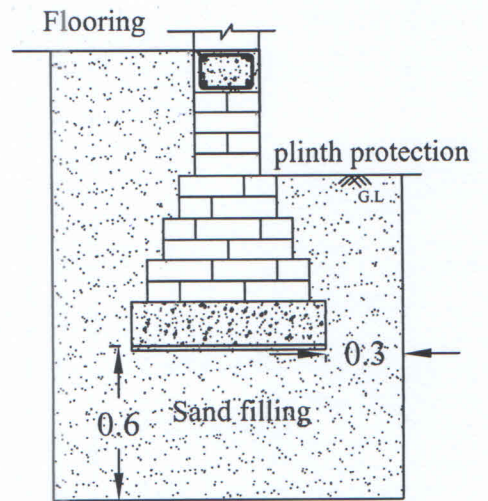
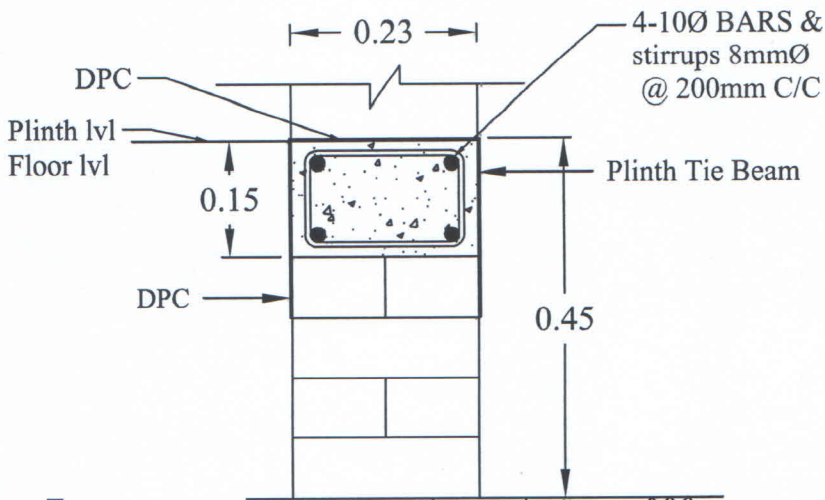
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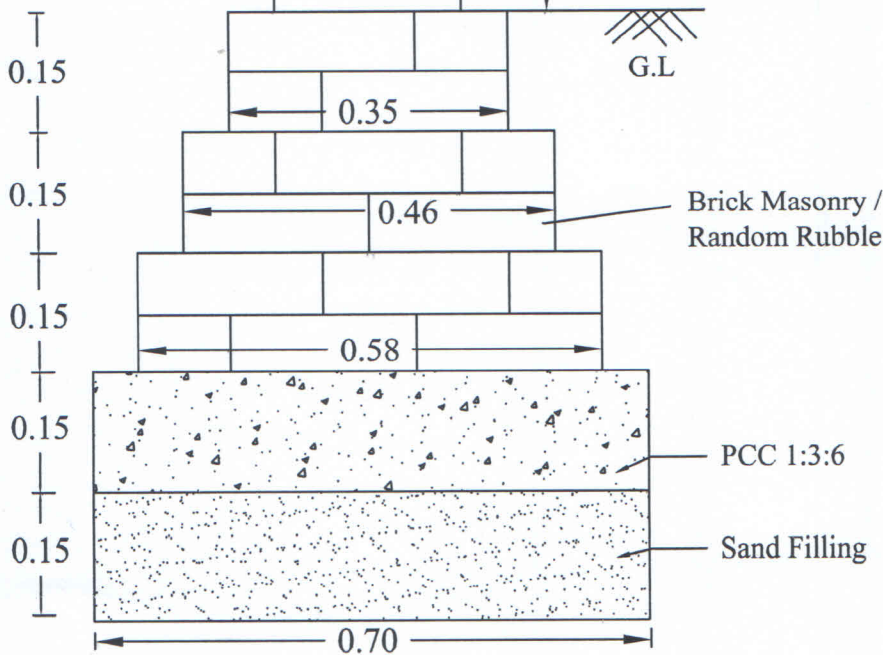
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ELEVATION



• In case of foundation to be constructed in expansive soil



FOOTING DETAILS

• All dimensions are in meter

DRG. No. - NIT/CED/2017/PMAY
-OP1-CMB-SR-ZIV,V/DWG-2

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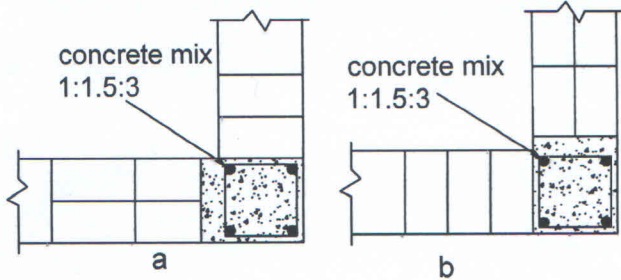
BUILDING NAME:
PMAY HFA
OPTION 1
CONF. MASONRY BUILDING
SLOPING ROOF
ZONE IV,V

DRAWING TITLE:
FOOTING DETAIL &
ELEVATION

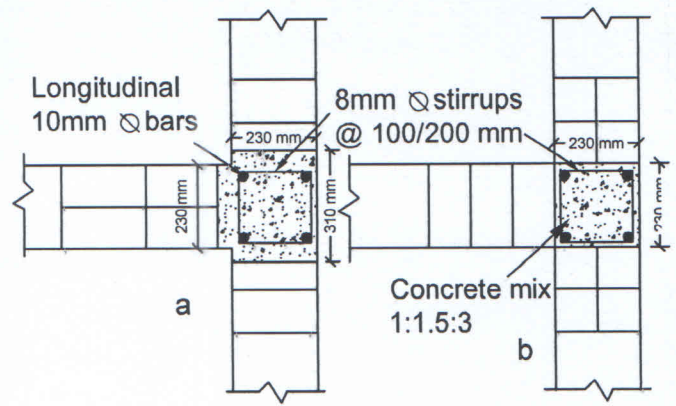
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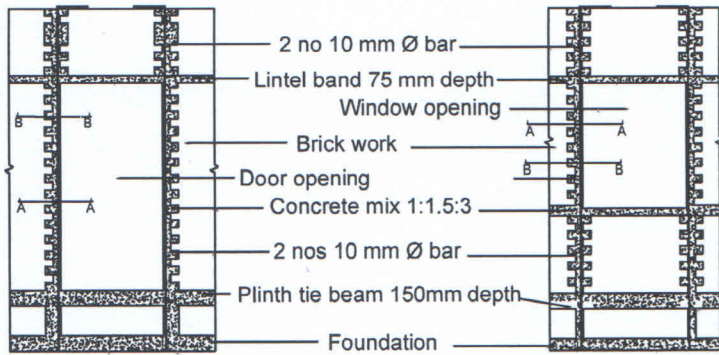
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CORNER VERTICAL STEEL
a & b :- alternate courses in one brick wall

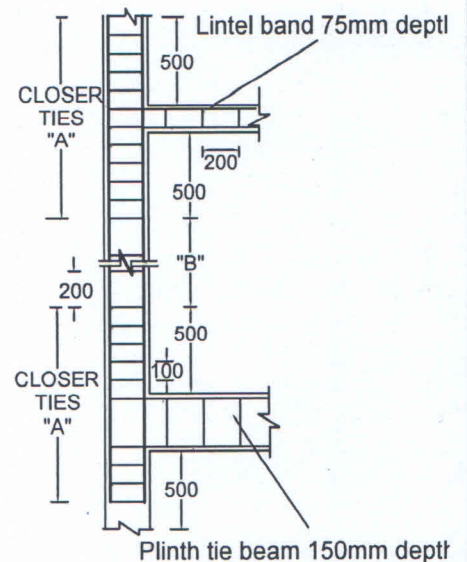


INTERMEDIATE VERTICAL STEEL
a & b :- alternate courses in one brick wall

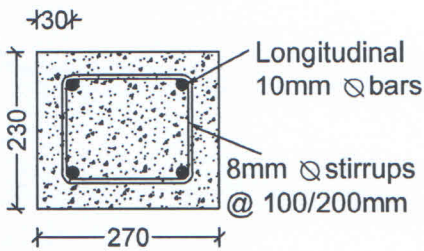


DETAIL OF CONFINED R/F OF DOOR

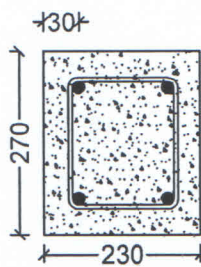
DETAIL OF CONFINED R/F OF WINDOW



DETAILS CONFINED COLUMN JUNCTION



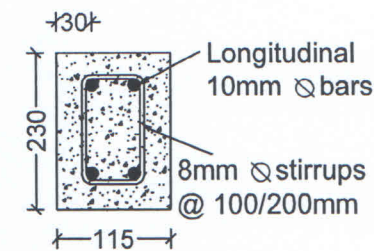
cross section of corner confined column course -a



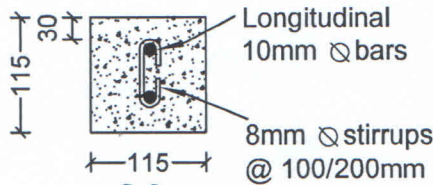
cross section of corner confined column course -b

"A"=Closer ties=Spacing of hoops @ 100mm c/c

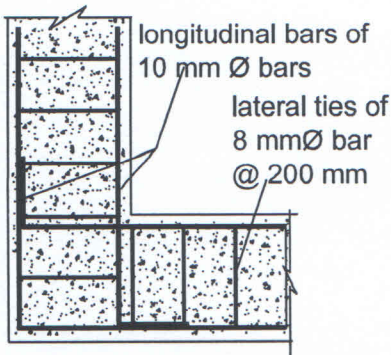
"B"=Spacing of hoops @ 200mm c/c



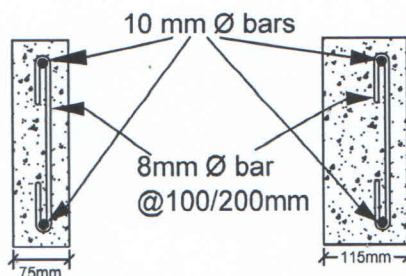
C-2



C-3



DETAILS OF PLINTH /LINTEL D-75mm
ROOF TIE BEAM D-100mm
GABLE BAND D-100mm



SECTION A-A

SECTION B-B

DRG. No. - NIT/CED/2017/PMAY -OPI-CMB-SR-ZIV,V/DWG-3

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME:
PMAY HFA
OPTION 1
CONF. MASONRY BUILDING
SLOPING ROOF
ZONE IV,V

DRAWING TITLE:
DETAILS OF R/F AROUND
WINDOW & DOOR,
VERTICAL R/F,
CROSS SECTION OF BAND

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