

FLOOR PLAN DETAIL

Schedule of Door & Windows

Name	Lintel	Width	Sill lvl	Description
D1	2.10	0.90	--	
D2	2.10	0.75	--	
W1	2.10	1.76	0.60	
W2	2.10	1.50	0.60	
W3	2.10	1.20	1.20	
V	2.10	0.60	1.65	

NOTES:-

Clear height of DU = 2.85 m
 Earthquake resistance structure as per site condition
 Confinement Column sizes : C1 - 230 mm X 230 mm,
 C2 - 230 mm X 150 mm ,
 C3- 115 mm X 115 mm

* All the Dimensions in m

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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 according to Table 3 IS 4326-2013
- All walls are one Brick Thick Masonry walls or Autoclaved Aerated Block of Class 7.5
- Partition Wall of WC and Bath, toilet and passage shall be constructed till full height after slab casting
- Any discrepancy in the structural drawings should be correlated with architectural drawing.
- Refer DWG-2 to DWG-4 for earthquake resistance and structural detail.

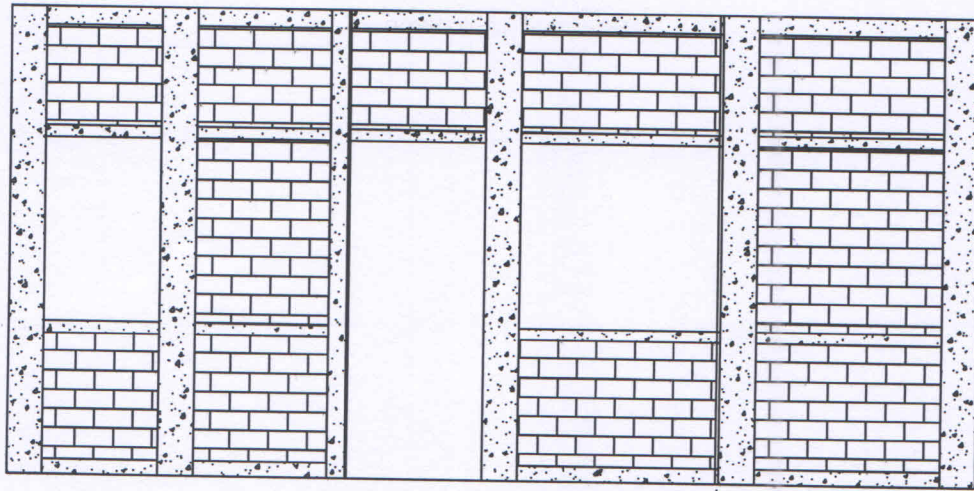
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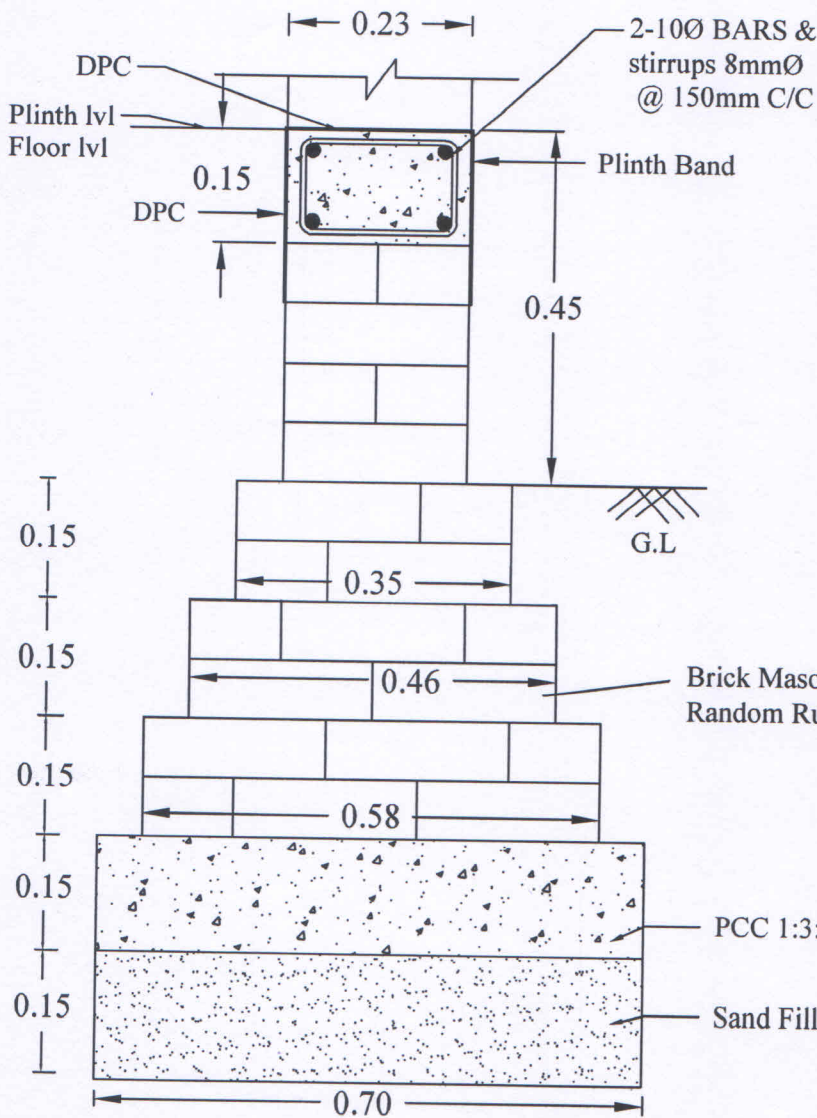
BUILDING NAME:
 PMAY HFA
 OPTION 3
 CONFINED MASONRY
 BUILDING
 FLAT ROOF
 ZONE IV,V

DRAWING TITLE:
 FLOOR PLAN

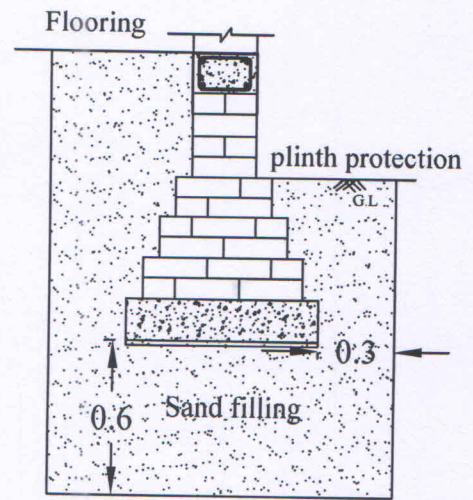
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ELEVATION



FOOTING DETAILS



• In case of foundation to be constructed in expansive soil

• All dimensions are in meter

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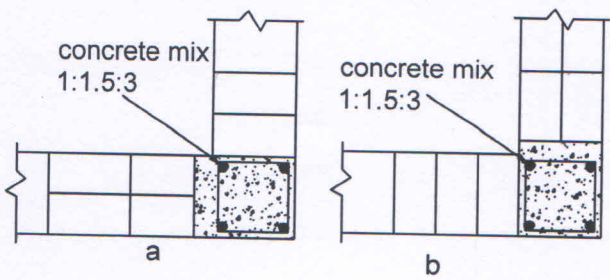
BUILDING NAME:
PMAY HFA
OPTION 3
CONF.MASONRY
BUILDING
FLAT ROOF
ZONE IV,V

DRAWING TITLE:
FOOTING DETAIL &
ELEVATION

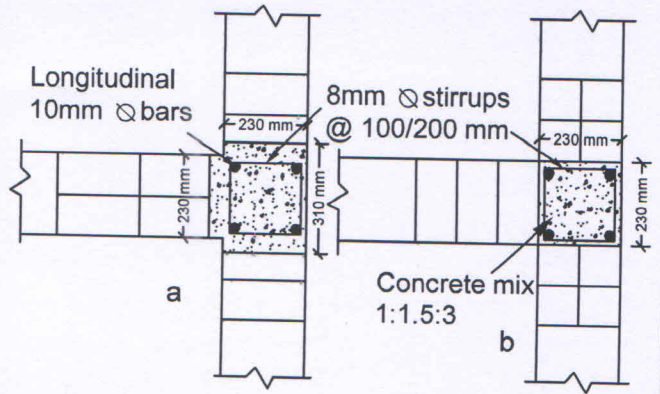
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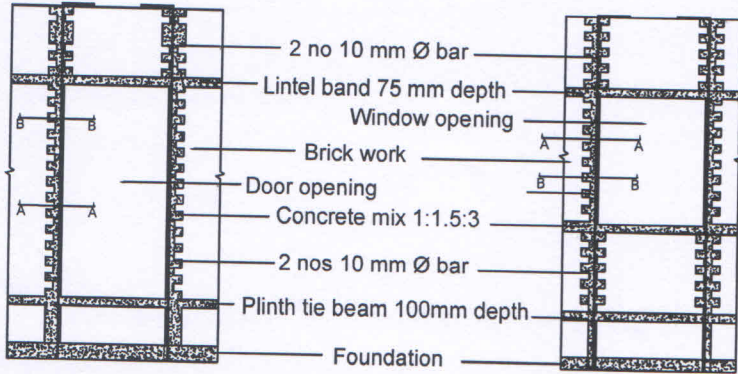
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CORNER VERTICAL STEEL
a & b :- alternate courses in one brick wall

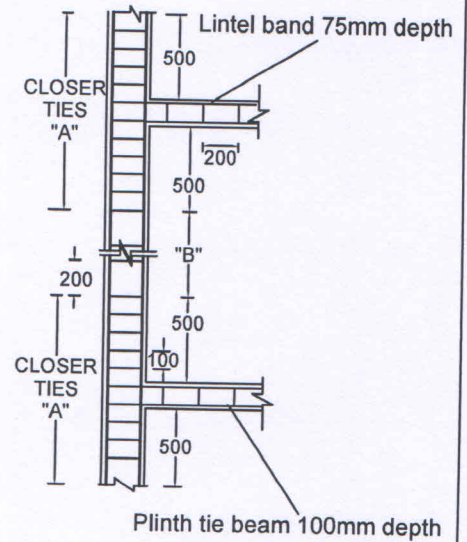


INTERMEDIATE VERTICAL STEEL
a & b :- alternate courses in one brick wall

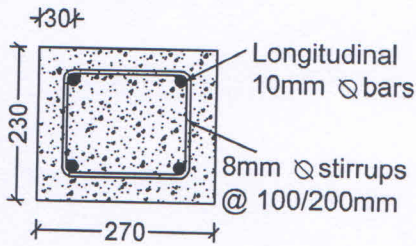


DETAIL OF CONFINED R/F OF DOOR

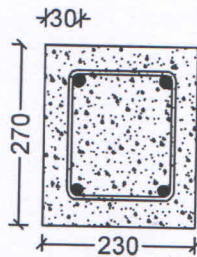
DETAIL OF CONFINED R/F OF WINDOW



DETAILS CONFINED COLUMN JUNCTION



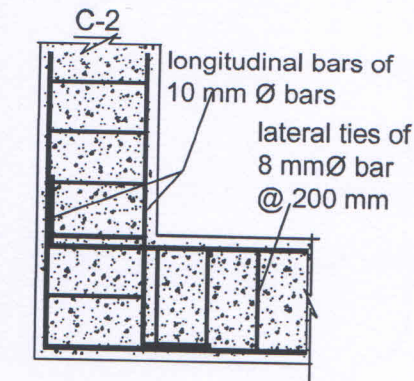
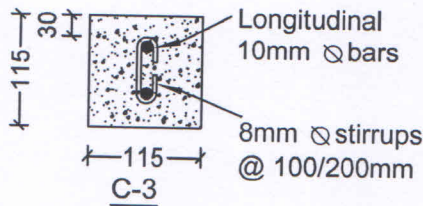
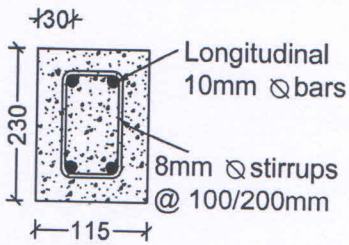
cross section of corner confined column course -a



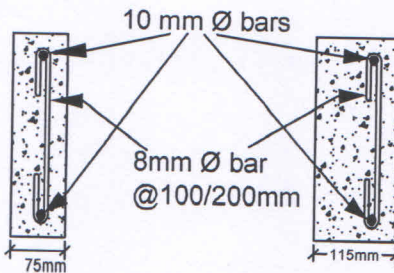
cross section of corner confined column course -b

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

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



DETAILS OF PLINTH/LINTEL BAND



SECTION A-A SECTION B-B

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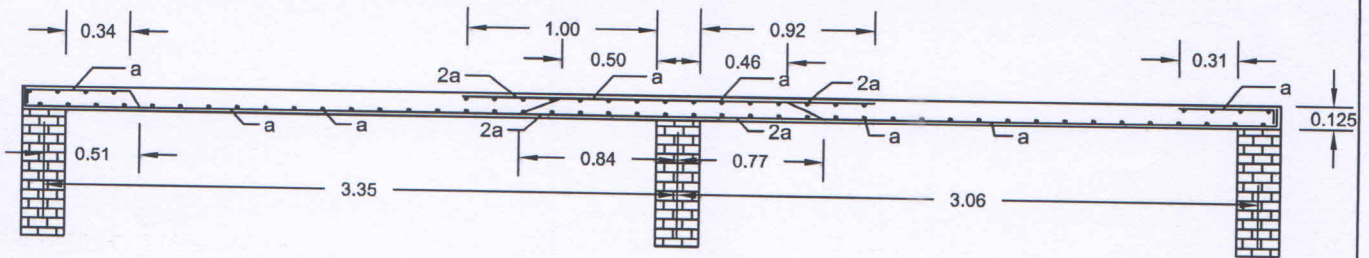
BUILDING NAME:
PMAY HFA
OPTION 3
CONF. MASONRY BUILDING
FLAT ROOF
ZONE IV,V

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

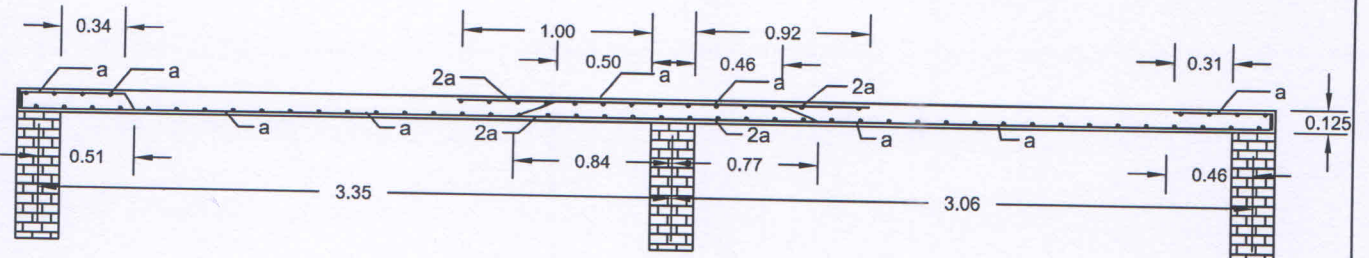
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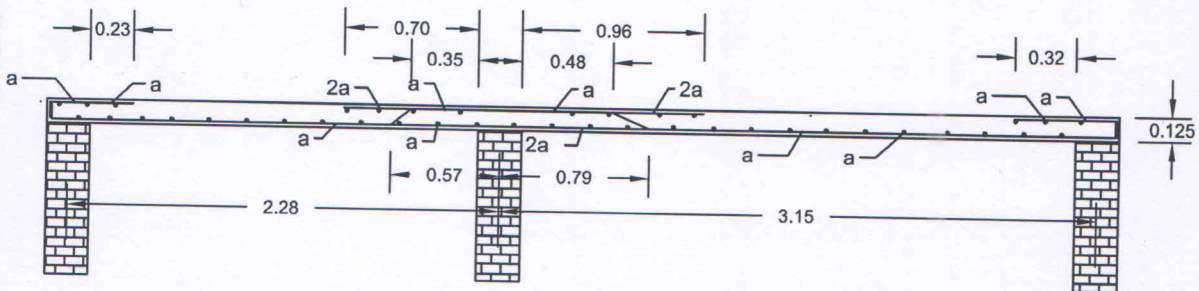
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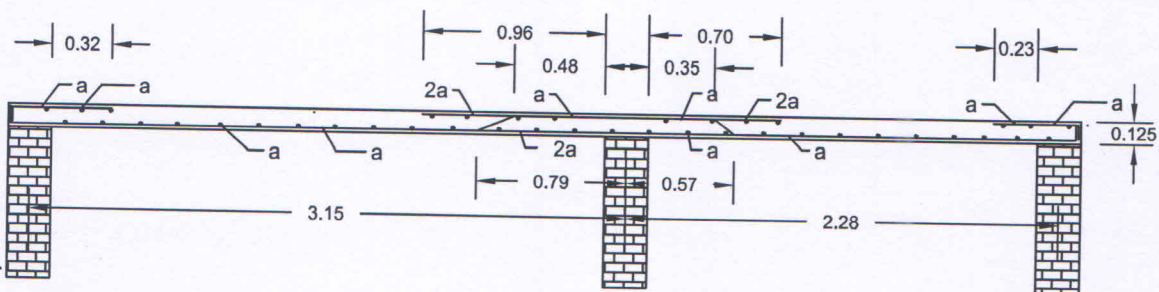
Section 1-1



Section 2-2



Section 3-3



Section 4-4

- Clear cover the slab should be 20mm.
- All dimensions are in meter

SCHEDULE OF BARS
a. 8 mm \varnothing @ 150 mm c/c

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**DRG. No. - NIT/CED/2017/PMAY -
OP3-CMB-FR-ZIV,V/DWG-4**

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TECHNOLOGY HAMIRPUR**

**BUILDING NAME:
PMAY HFA
OPTION 3
CONF. MASONRY BUILDING
FLAT ROOF
ZONE IV,V**

**DRAWING TITLE:
SLAB DETAILS**

**DESIGNED BY:
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