

Schedule of Door & Windows				
Name	Lintel	Width	Sill Ht	Description
D1	2.10	0.90	-	PVC DOOR
D2	2.10	0.75	-	
W1	2.10	2.00	0.90	
W2	2.10	1.50	0.90	
W3	2.10	1.40	1.20	
V	2.10	0.60	1.65	

NOTES:-
 Clear height of DU = 2.85 m
 Earthquake resistance structure as per site condition
 * 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 8 mm Φ is 400 mm
- Second class brick must be used
- Mortar 1:5 according to Table 3 IS 4326-2013
- All walls are one Brick Thick Masonry walls or Autoclaved Aerated Block of Class 7.5
- Any discrepancy in the structural drawings should be correlated with architectural drawing.
- Partition Wall of WC and Bath, Bath and Entry Passage, Kitchen and passage, Kitchen and WC, Passage and Bedroom shall be constructed till full height after slab casting
- Refer DWG-2 to DWG-4 for earthquake resistance and structural detail.

DRG. No. - NIT/CED/2017/PMAY
 -OP2-MB-SR-ZIV/DWG-1

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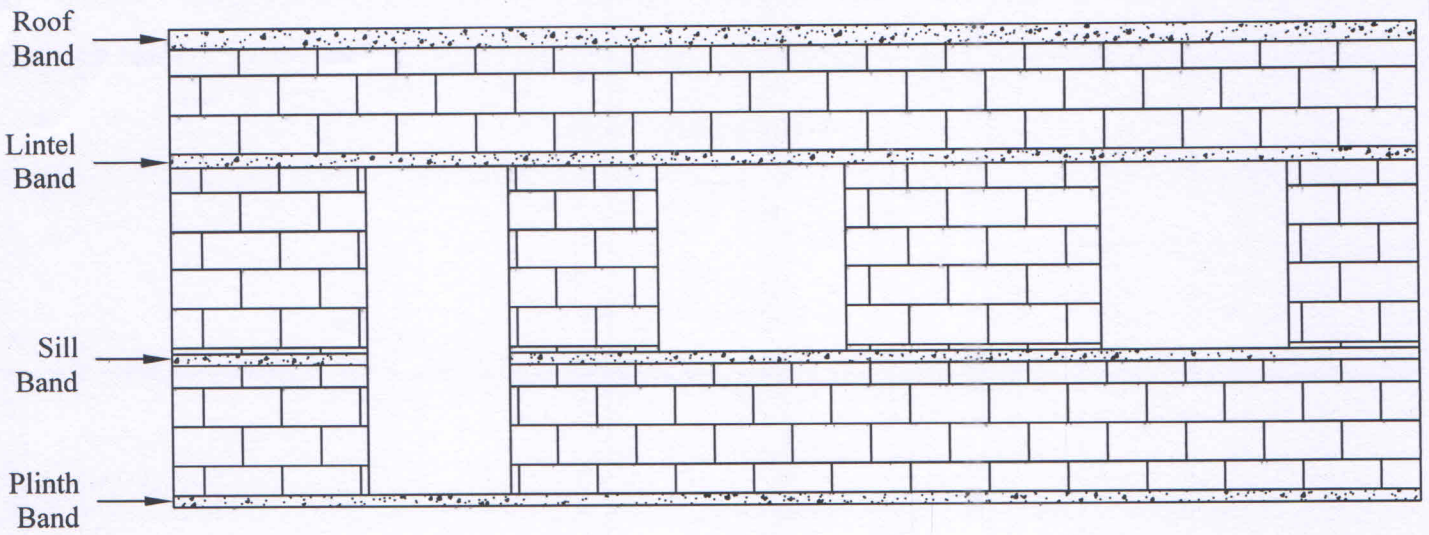
BUILDING NAME:
 PMAY HFA
 OPTION 2
 MASONRY BUILDING
 SLOPING ROOF
 ZONE IV

DRAWING TITLE:
 FLOOR PLAN

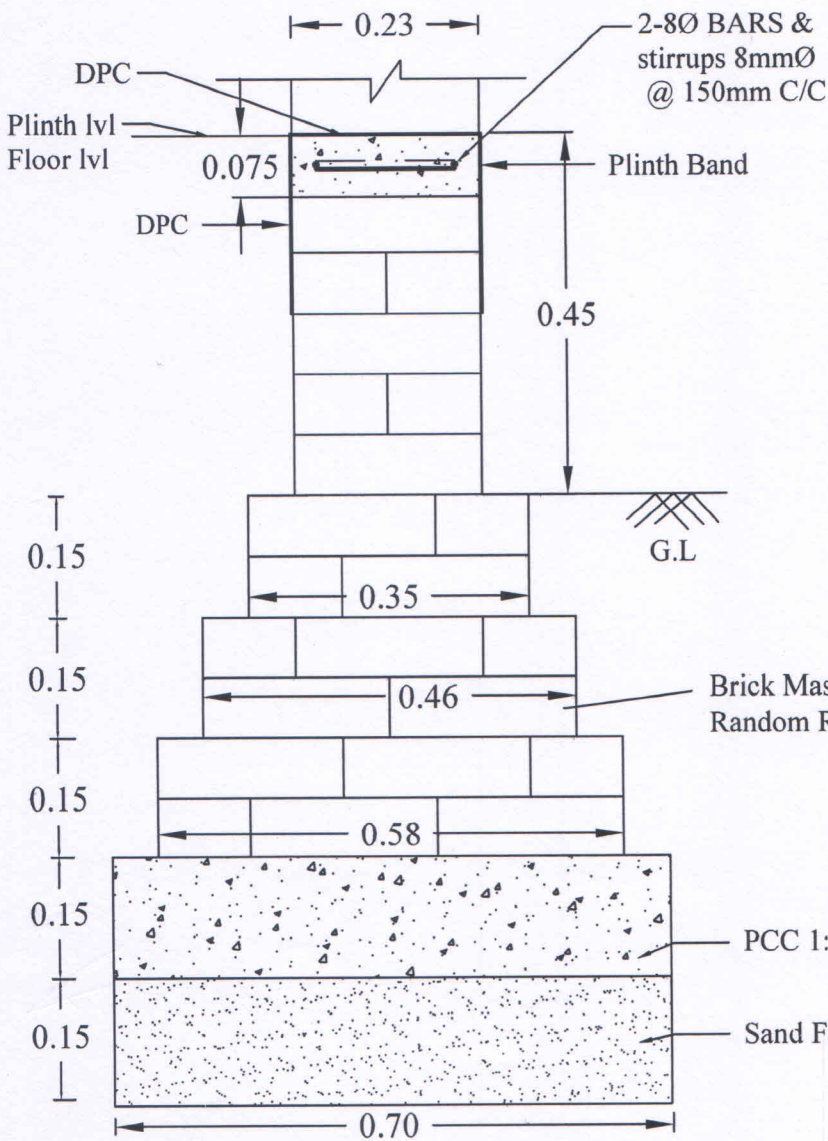
DESIGNED BY:
 Dr. Pardeep Kumar
 Dr. Hemant Kumar Vinayak

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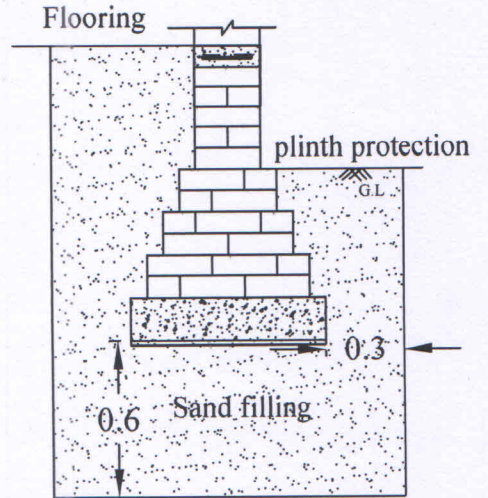
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 Hamirpur - 177005 (H.P.)



ELEVATION



FOOTING DETAILS



- In case of foundation to be constructed in expansive soil
- Clear cover for the reinforcement should be 30mm.

DRG. No. - NIT/CED/2017/PMAY-OP2-MB-SR-ZIV/DWG-2

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BUILDING NAME:
PMAY HFA
OPTION 2
MASONRY BUILDING
SLOPING ROOF
ZONE IV

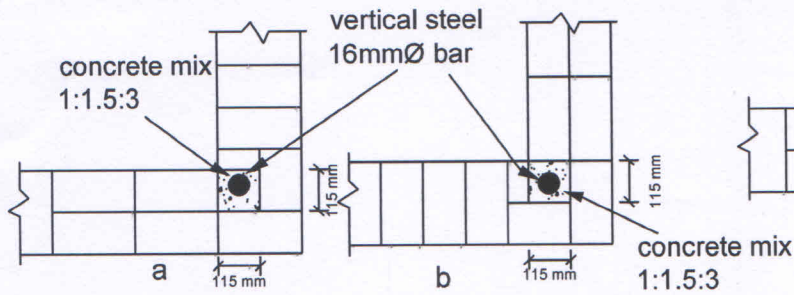
DRAWING TITLE:
FOOTING DETAIL &
ELEVATION

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

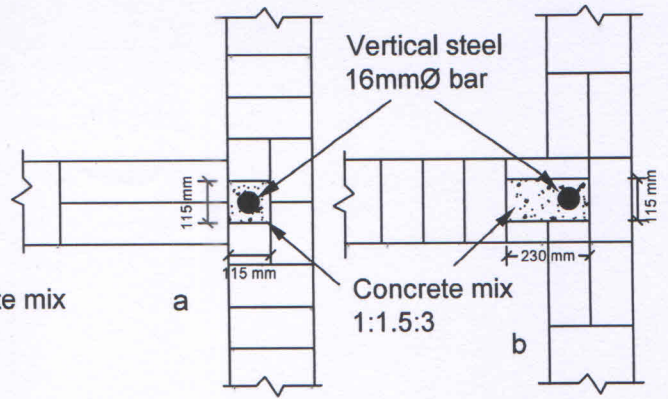
• All dimensions are in meter

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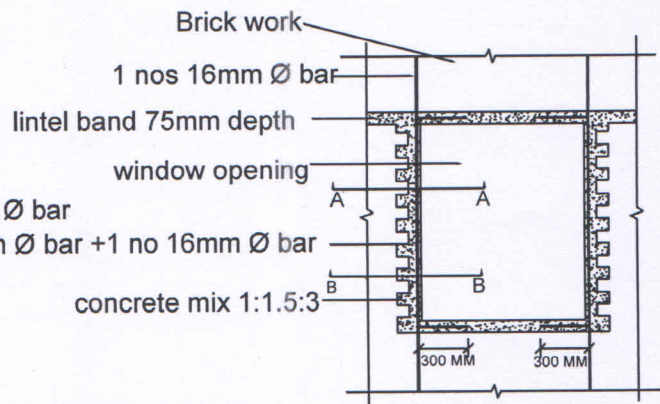
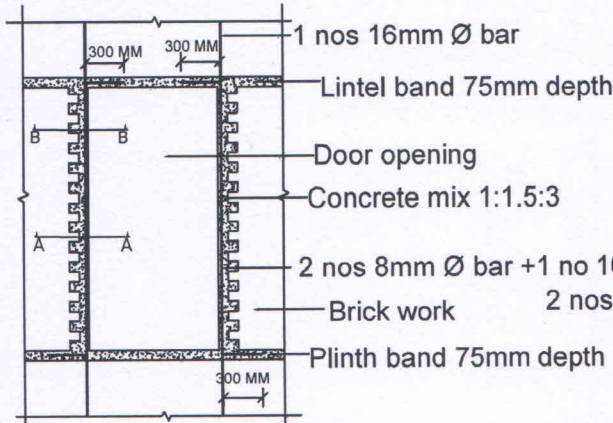
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CORNER VERTICAL STEEL
a & b :- alternate courses in one brick wall

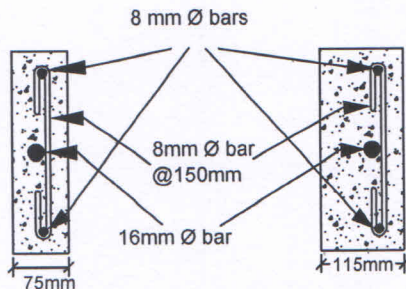


INTERMEDIATE VERTICAL STEEL
a & b :- alternate courses in one brick wall



DETAIL OF R/F AROUND DOOR

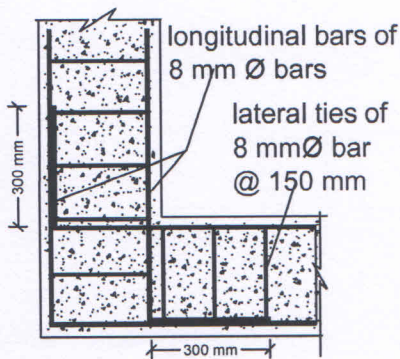
DETAIL OF R/F AROUND WINDOW



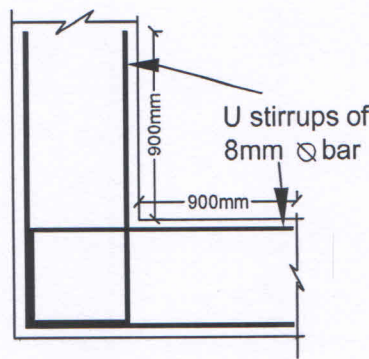
SECTION A-A

SECTION B-B

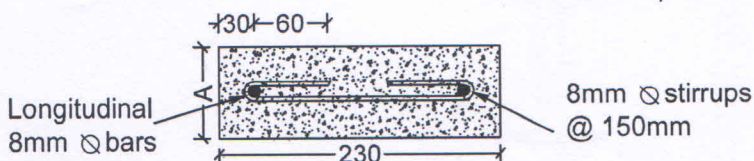
- Lap length and development length (L_d) for 8 mm \varnothing is 400 mm.
- Clear cover for the band should be 30mm.



DETAIL OF PLINTH/LINTEL BAND



PLAN OF SILL LEVEL R/F



SECTION OF PLINTH/LINTEL A = 75mm ROOF /GABLE A = 100 mm BAND

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**BUILDING NAME:
PMAY HFA
OPTION 2
MASONRY BUILDING
SLOPING ROOF
ZONE IV**

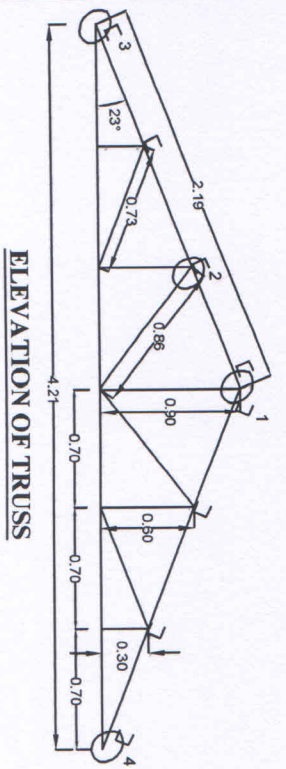
**DRAWING TITLE:
DETAILS OF R/F AROUND WINDOW & DOOR,
VERTICAL R/F,
CROSS SECTION OF BAND**

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

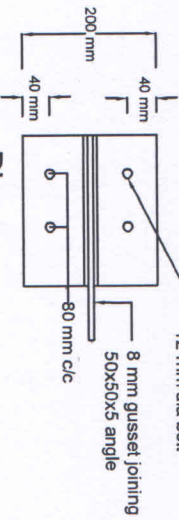
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All Dimensions are in mm

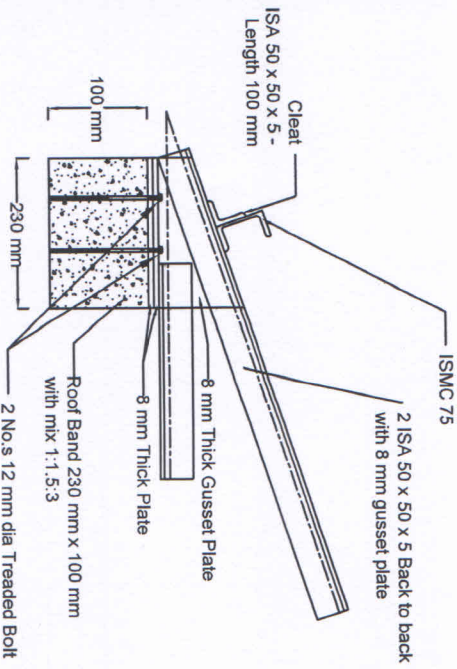
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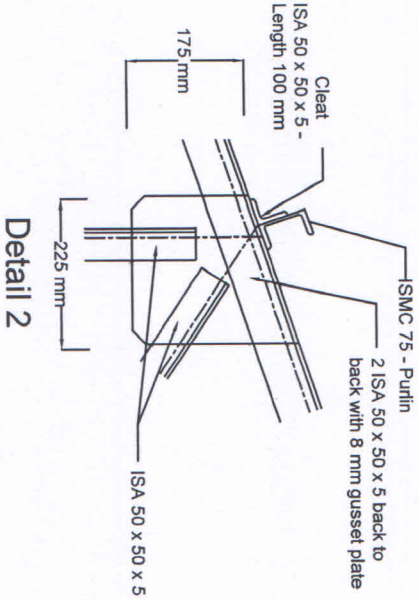
ELEVATION OF TRUSS



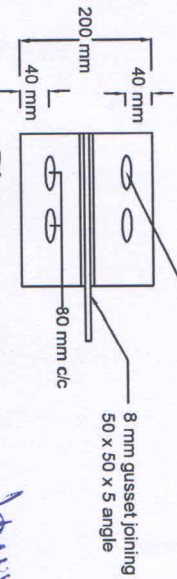
Plan Detail 3



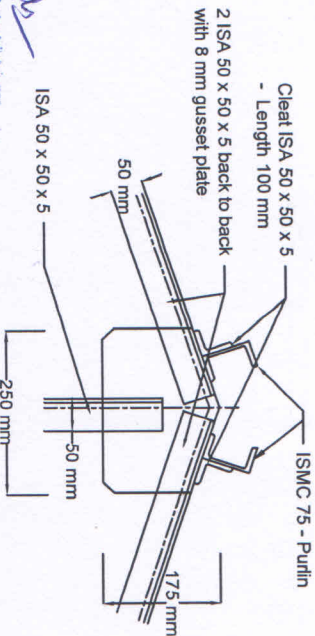
Elevation Detail 3



Elevation Detail 2



Plan Detail 4

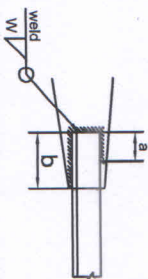


Elevation Detail 1

Sr.No.

NOTES:-

1. All dimensions are in mm unless specified.
2. Dimensions are not to be scaled out, only written dimensions may be taken as correct.
3. Grade of concrete M:20.
4. Any discrepancy in structural Drawings should be correlated with Architectural drawing.
5. Scale : Not to scale
6. Truss has been designed for 0.3m snow depth
- 7.



ANGLE SIZE	WELD THK W, mm	a(mm)	b(mm)	GUSSET THK mm
L 50 x 50 x 5	6	50	90	8

TYPICAL DETAILS OF WELD LENGTH

**DRG. No. - NIT/CED/2017/PMAY
-OP2-MB-SR-ZIV/DWG-4**

**NATIONAL INSTITUTE OF
TECHNOLOGY HAMIRPUR**

**BUILDING NAME:
PMAY HEA
OPTION 2
MASONRY BUILDING
SLOPING ROOF
ZONE IV**

**DRAWING TITLE:
CROSS SECTION OF TRUSS**

DESIGNED BY:
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Signature

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