

Schedule of Door & Windows			
Name	Lintel	Width	Sill lvl
D1	2.10	0.90	-
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

DESCRIPTION: PVC DOOR

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 W/C, 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-FR-ZV/DWG-1

NATIONAL INSTITUTE OF
 TECHNOLOGY HAMIRPUR

BUILDING NAME:
 PMAY HFA
 OPTION 2
 MASONRY BUILDING
 FLAT ROOF
 ZONE V

DRAWING TITLE:
 FLOOR PLAN

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

Dr. Hemant Kumar Vinayak

Dr. Hemant Kumar Vinayak

Assistant Professor

Department of Civil Engineering

National Institute of Technology,

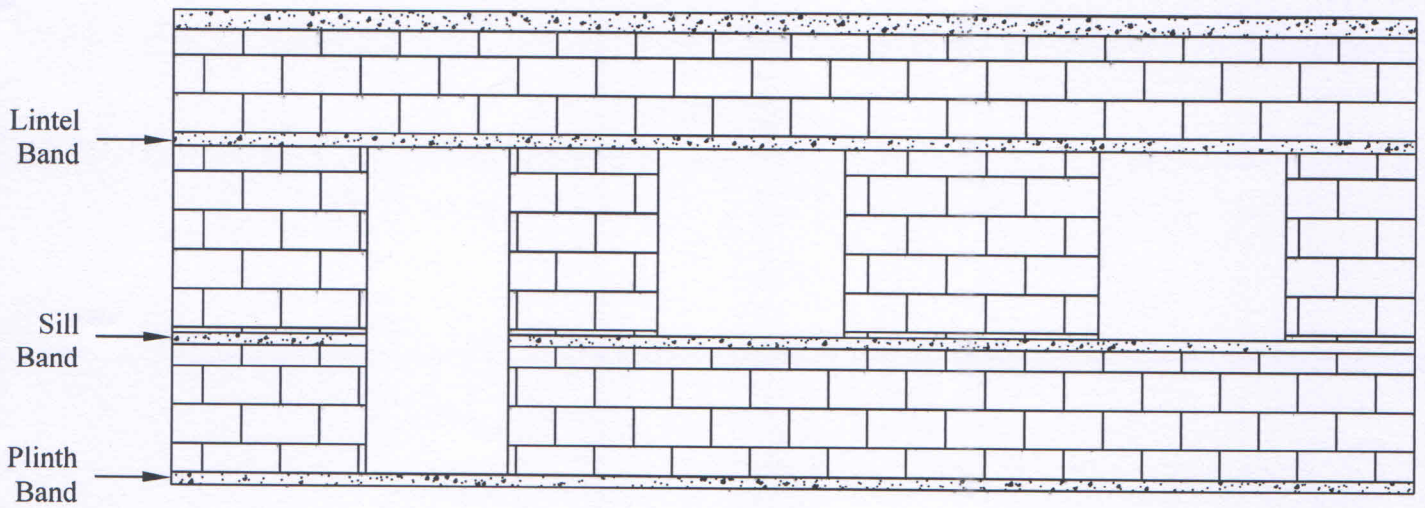
Hamirpur -177005 (H.P.)

Dr. Pardeep Kumar

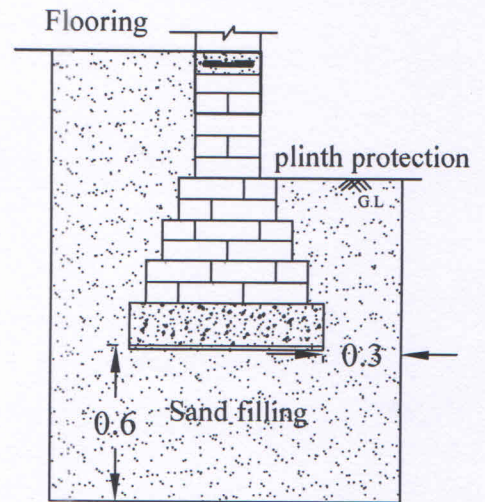
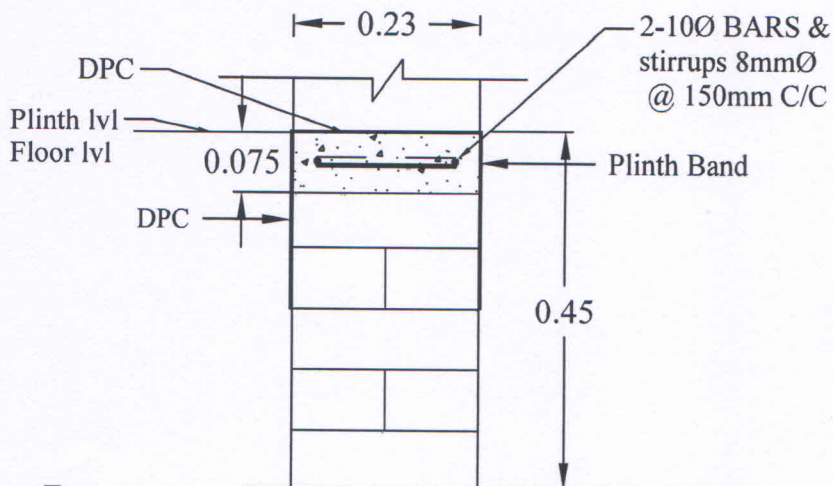
Associate Professor (Structural Engg.)

Civil Engineering Department

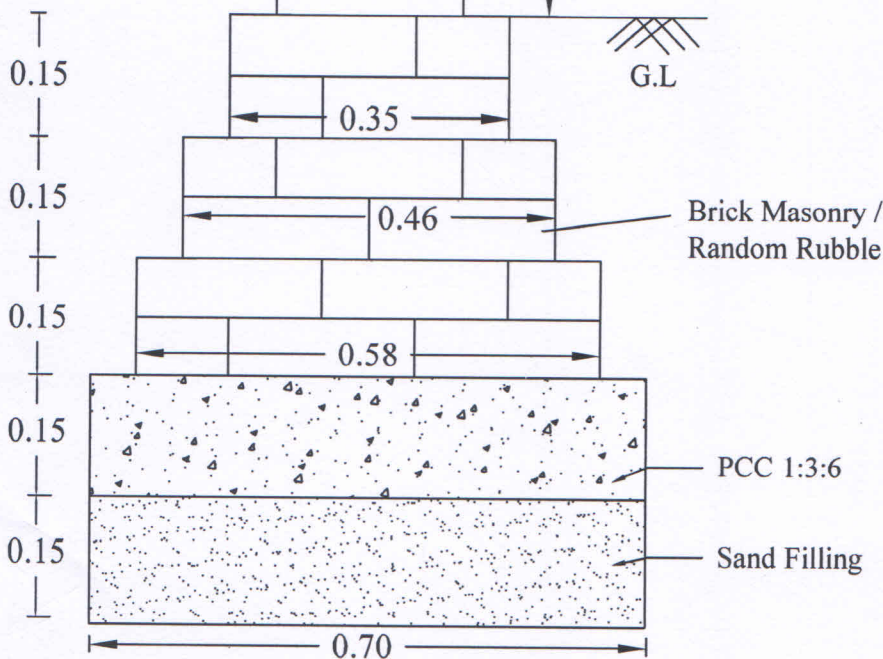
NIT, Hamirpur (H.P.)-177005



ELEVATION



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



FOOTING DETAILS

DRG. No. - NIT/CED/2017/PMAY-OP2-MB-FR-ZV/DWG-2

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

**BUILDING NAME:
PMAY HFA
OPTION 2
MASONRY BUILDING
FLAT ROOF
ZONE V**

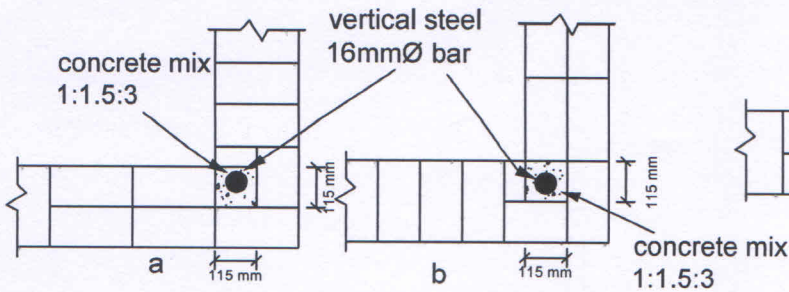
**DRAWING TITLE:
FOOTING DETAIL &
ELEVATION**

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

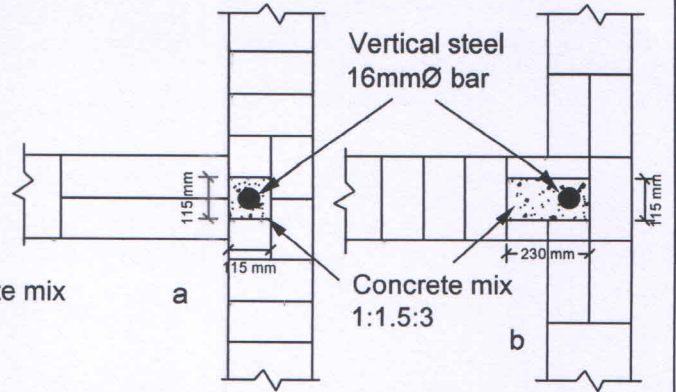
• All dimensions are in meter

Dr. Hemant Kumar Vinayak
Assistant Professor
Department of Civil Engineering
National Institute of Technology,
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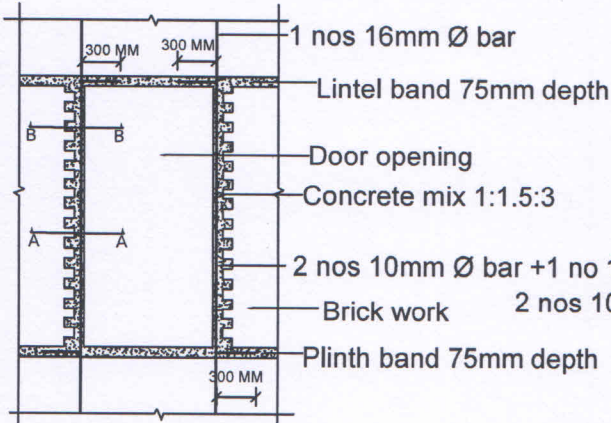
Dr. Pardeep Kumar
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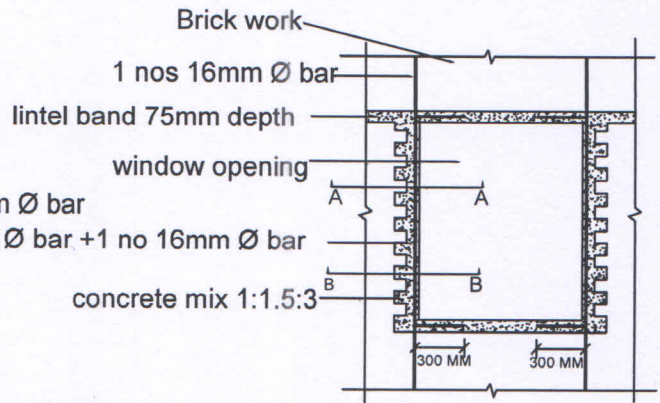
CORNER VERTICAL STEEL
a & b :- alternate courses in one brick wall



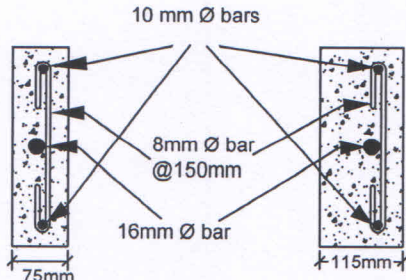
INTERMEDIATE VERTICAL STEEL
a & b :- alternate courses in one brick wall



DETAIL OF R/F AROUND DOOR

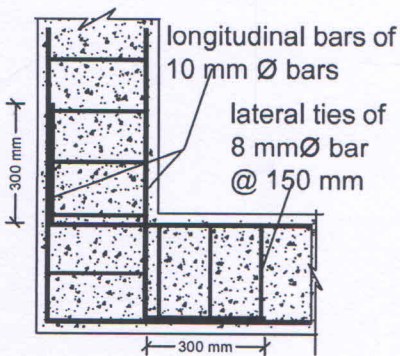


DETAIL OF R/F AROUND WINDOW

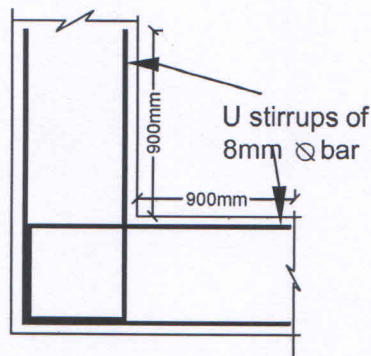


SECTION A-A SECTION B-B

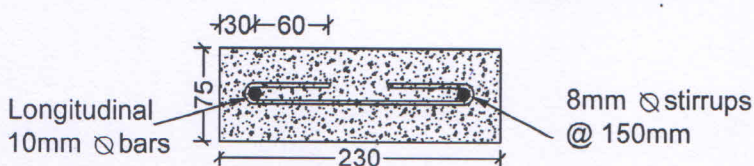
- Lap length and development length (L_d) for 10 mm \varnothing is 500 mm.
- Clear cover for the band should be 30mm.



DETAIL OF PLINTH/LINTEL BAND



PLAN OF SILL LEVEL R/F



SECTION OF PLINTH/LINTEL BAND

DRG. No. - NIT/CED/2017/PMAY-OP2-MB-FR-ZV/DWG-3

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME:
PMAY HFA
OPTION 2
MASONRY BUILDING
FLAT ROOF
ZONE V

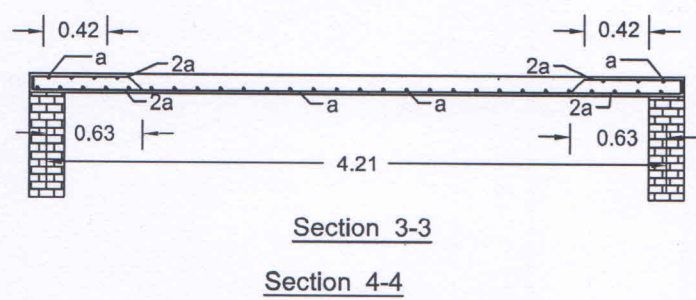
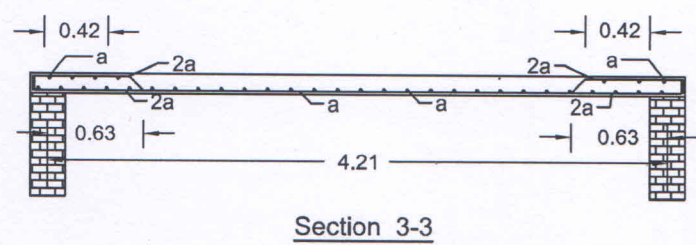
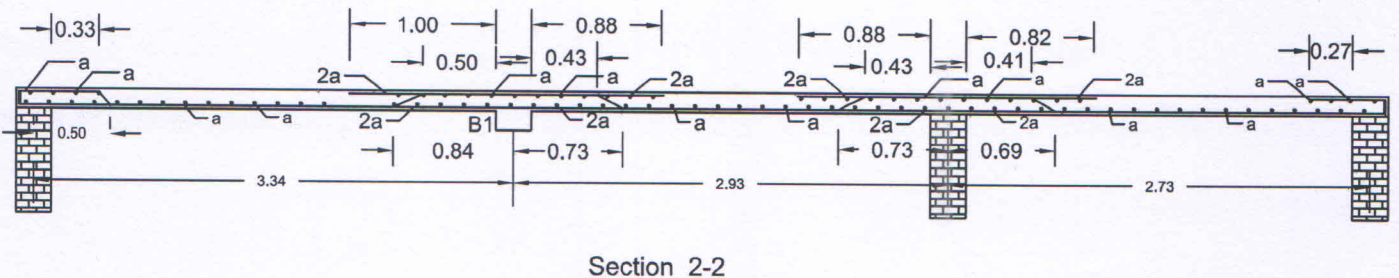
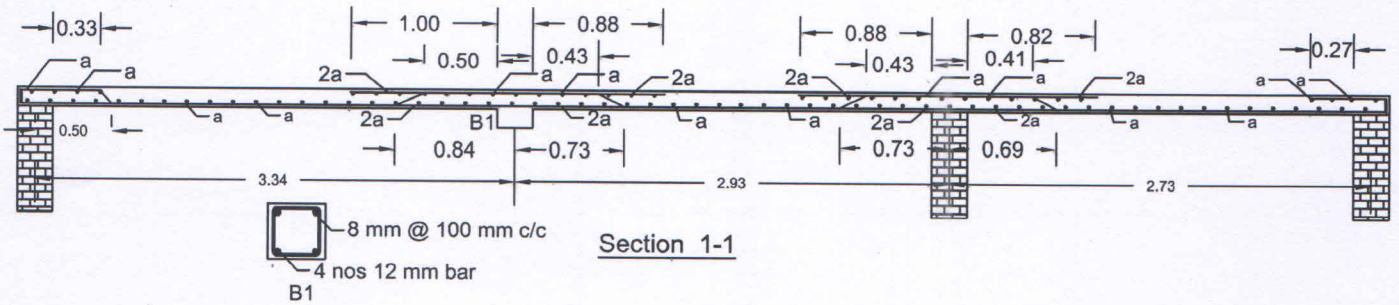
DRAWING TITLE:
DETAILS OF R/F AROUND WINDOW & DOOR,
VERTICAL R/F,
CROSS SECTION OF BAND

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

Dr. Hemant Kumar Vinayak
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National Institute of Technology,
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All Dimensions are in mm

Dr. Pardeep Kumar
Associate Professor (Structural Engg.)
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- Clear cover for the slab should be 20 mm.
- All dimensions are in meter

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

DRG. No. - NIT/CED/2017/PMAY -OP2-MB-FR-ZV/DWG-4
NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR
BUILDING NAME: PMAY HFA OPTION 2 MASONRY BUILDING FLAT ROOF ZONE V
DRAWING TITLE: SLAB DETAILS
DESIGNED BY: Dr. Pardeep Kumar Dr. Hemant Kumar Vinayak

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

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