**ELEVATION**

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

**FOOTING DETAILS**

- All dimensions are in meters.

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**CONNER VERTICAL STEEL**

a & b alternate courses in one brick wall

1 nos 16mm Ø bar
Lintel band 75mm depth
Door opening
Concrete mix 1:1.5:3
2 nos 8mm Ø bar + 1 no 16mm Ø bar
Brick work
Plinth band 75mm depth

**INTERMEDIATE VERTICAL STEEL**

a & b alternate courses in one brick wall

1 nos 16mm Ø bar
Lintel band 75mm depth
Window opening
Concrete mix 1:1.5:3

**DETAIL OF R/F AROUND DOOR**

16mm Ø bar
8mm Ø bars @ 150mm
8mm Ø bar

**SECTION A-A**

**SECTION B-B**

**DETAIL OF R/F AROUND WINDOW**

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

**DETAIL OF PLINTH/LINTEL BAND**

Longitudinal bars of 8mm Ø bars
Lateral ties of 8mm Ø bar @ 150mm

**PLAN OF SILL LEVEL R/F**

8mm Ø stirrups @ 150mm

**SECTION OF PLINTH/LINTEL A = 75mm**

**ROOF / GABLE A = 100mm BAND**

All Dimensions are in mm.

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**NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR**

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