Schedule of Door & Windows

<table>
<thead>
<tr>
<th>Name</th>
<th>Lintel</th>
<th>Width</th>
<th>Sill</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>2.10</td>
<td>0.90</td>
<td>--</td>
<td>PVC DOOR</td>
</tr>
<tr>
<td>D2</td>
<td>2.10</td>
<td>0.75</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>W1</td>
<td>2.10</td>
<td>1.50</td>
<td>0.90</td>
<td></td>
</tr>
<tr>
<td>W3</td>
<td>2.10</td>
<td>0.60</td>
<td>0.90</td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>2.10</td>
<td>0.60</td>
<td>1.80</td>
<td></td>
</tr>
</tbody>
</table>

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 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 (La) for 10mm is 500 mm
- Second class brick must be used
- Mortar 1:4 as per 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 shall be constructed till full height after slab casting
- Refer DWG-2 to DWG-4 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.

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

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

DRAWING TITLE: FOOTING DETAIL & ELEVATION

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

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FOOTING DETAILS

- All dimensions are in meters.

- In case of foundation to be constructed in expansive soil
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

"A" = Closer ties = Spacing of hoops @ 100mm c/c
"B" = Spacing of hoops @ 200mm c/c

LONGITUDINAL 10mm Ø bars
8mm Ø stirrups @ 100/200mm

DETAILS CONFINED
COLUMN JUNCTION

Lintel band 75 mm depth

PLINTH TIE BEAM
/LINTEL BAND

10 mm Ø bars
8mm Ø bar @ 100/200mm
75mm
115mm

10 mm Ø bars

LATERAL TIES OF 8 mmØ bar @ 200 mm

LONGITUDINAL 10mm Ø bars
8mm Ø stirrups @ 100/200mm

LONGITUDINAL 10mm Ø bars
8mm Ø stirrups @ 100/200mm

C-2
C-3

SECTION A-A
SECTION B-B


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BUILDING NAME:
PMAY HFA
OPTION 1
CONF. MASONRY BUILDING
FLAT ROOF
ZONE IV,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
• Clear cover for slab should be 20mm.
• All dimensions are in meter

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

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