FLOOR PLAN DETAIL

Schedule of Door & Windows

<table>
<thead>
<tr>
<th>Name</th>
<th>Lintel</th>
<th>Width</th>
<th>Sill H</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>2.10</td>
<td>0.90</td>
<td>0.45</td>
<td>PVC DOOR</td>
</tr>
<tr>
<td>D2</td>
<td>2.10</td>
<td>0.75</td>
<td>0.40</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>W2</td>
<td>2.10</td>
<td>0.90</td>
<td>0.90</td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>2.10</td>
<td>0.60</td>
<td>1.65</td>
<td></td>
</tr>
</tbody>
</table>

NOTES:-

Clear height of DU = 2.85 m
Chaaja projection over windows is 450 mm.
* All the Dimensions in m

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

Dr. Pardeep Kumar
Associate Professor (Structural Engrg.)
Civil Engineering Department
NIT, Hamirpur (H.P.)-177005
DETAILED DRAWING OF REINFORCEMENT OF BEAMS AT PLINTH LEVEL

S - 8 mm dia bars @ 100 mm c/c

NOTES:

- All dimensions are in meters, 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.

- Size of Beam is 250 X 250 mm.

- Grade of concrete shall be M20.

- All reinforcement shall be of grade Fe 415 confirming to IS:1786-2008.

- Clear Cover to reinforcement shall be 25 mm.

- Bending and fixing of reinforcement shall be as per is:2502-1963.

- Lap length and anchorage length shall be 57 times the bar diameter

- Further refer notes from the drawing of 'Detail' of footings.

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DRG. No. - NIT/CED/2017/OP-1 RCC-SR Z-V/DWG-3

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME:
PMAY HFA
OPTION 1
RCC BUILDING
SLOPING ROOF
ZONE V

DESIGNED BY:
Dr. Pardeep Kumar
Dr. Hemant Kumar Vinayak
DETAILED DRAWING OF REINFORCEMENT OF BEAMS AT ROOF LEVEL

S - 8 mm dia bars @ 100 mm c/c

NOTES:

- All dimensions are in meters, 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.
- Size of Beam is 250 X 250 mm.
- Grade of concrete shall be M20.
- All reinforcement shall be of grade Fe 415 confirming to IS:1786-2008.
- Clear Cover to reinforcement shall be 25 mm.
- Bending and fixing of reinforcement shall be as per is:2502-1963.
- Lap length and anchorage length shall be 57 times the bar diameter
- Further refer notes from the drawing of 'Detail' of footings.

DRG. No. - NIT/CED/2017/OP-1 RCC-SR Z-V/DWG-4

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME:
PMAY HFA
OPTION 1
RCC BUILDING
SLOPING ROOF
ZONE V

DETAILED OF ROOF BEAM

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

5. Scale: Not to scale.

6. This has been designed for 0.2m snow depth.

All dimensions in mm unless specified.