FLOOR PLAN DETAIL

Schedule of Door & Windows

<table>
<thead>
<tr>
<th>Name</th>
<th>Lintel</th>
<th>Width</th>
<th>Sill M</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1</td>
<td>2.10</td>
<td>0.90</td>
<td>-</td>
<td>-</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>1.76</td>
<td>0.60</td>
<td>-</td>
</tr>
<tr>
<td>W2</td>
<td>2.10</td>
<td>1.50</td>
<td>0.60</td>
<td>-</td>
</tr>
<tr>
<td>W3</td>
<td>2.10</td>
<td>1.20</td>
<td>1.20</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
Earthquake resistance structure as per site condition
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

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 (Ld) for 10mmØ is 500 mm
- Second class brick must be used
- Mortar 1:4 according to 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, toilet and passage shall be constructed till full height after slab casting
- Any discrepancy in the structural drawings should be correlated with architectural drawing.
- Refer DWG-2 to DWG-4 for earthquake resistance and structural detail.

DRG. No. - NIT/CED/2017/PMAY -OP3-CMB-FR-ZIV,V/DWG-I

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME: PMAY HFA
OPTION 3
CONFINED MASONRY
BUILDING FLAT ROOF
ZONE IV,V

DRAWING TITLE: FLOOR PLAN

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

- In case of foundation to be constructed in expansive soil

FOOTING DETAILS

- All dimensions are in meter

DPC
Plinth lvl
Floor lvl

0.15

0.46

Plinth Band

0.45

2-100 BARS & stirrups 8mm @ 150mm C/C

0.23

Flooring

plinth protection

0.3

Sand filling

0.6

Brick Masonry / Random Rubble

PCC 1:3:6

Sand Filling

0.70

0.58

0.35

0.15

G.L

Dr. Hemant Kumar Vinayak
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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
- Clear cover the slab should be 20mm.
- All dimensions are in meter

<table>
<thead>
<tr>
<th>SCHEDULE OF BARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. 8 mm Ø @ 150 mm c/c</td>
</tr>
</tbody>
</table>

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Dwg. No. - NIT/CED/2017/PMAY - OP3-CMB-FR-ZIV, V/DWG-4

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME: PMAY HFA
OPTION 3
CONF. MASONRY BUILDING
FLAT ROOF
ZONE IV, V

DRAWING TITLE: SLAB DETAILS

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