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>-</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>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:-
- 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 (Lq) for 8mm bars is 400 mm
- Second class brick must be used
- Mortar 1:5 as per 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 shall be constructed till full height after slab casting
- Refer DWG-2 to DWG-4 for earthquake resistance and structural detail.

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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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NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME:
P.MAY HFA
OPTION 1
MASONRY BUILDING
FLAT ROOF
ZONE IV

DRAWING TITLE:
FOOTING DETAIL & ELEVATION

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

DRC. No. - NIT/CED/2017/PMA
-01-MB-FR-ZIV/DWG-2
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

SECTION A-A
SECTION B-B

DETAIL OF PLINTH/LINTEL BAND

PLAN OF SILL LEVEL R/F

SECTION OF PLINTH/LINTEL BAND

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- Clear cover for slab should be 20mm.
- All dimensions are in meter

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

DRG. No. - NIT/CED/2017/PMAY-OP1-MB-FR-ZIV/DWG-4

NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR

BUILDING NAME:
PMAY HFA OPTION 1
MASONRY BUILDING
FLAT ROOF ZONE IV

DRAWING TITLE:
SLAB DETAILS

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