POST AND FRAME WALL SECTION

DIAMETER PER TABLE 324.3

THICKNESS PER TABLE 324.3

POURED CONCRETE FOOTING

UPLIFT PROTECTION

4'' GRAVEL FILL

WOOD POST

KNEE BRACE (FOR DIMENSION SEE TABLE 324.6)

4'' CONCRETE SLAB

OPTIONAL) 4'' CONCRETE SLAB

METAL WALL PANEL

WALL GIRT 24" O.C.

SKIRT BOARD

GRADE

4' THICKNESS PER TABLE 324.3

METAL ROOF PANEL

ROOF PURLINS 24" O.C.

UPLIFT TIE AT EACH TRUSS OR RAFTER

PRE-MANUFACTURED TRUSSES OR JOISTS & RAFTERS

HEADER CONNECTION TO COLUMN

HEADER

*ANGLE BRACING IN CORNERS TO RESIST RACKING PER 324.4.6
Relevant Codes:

**324.4.2 Post Spacing:** The maximum spacing for posts shall be (eight) 8 feet on center.

**324.4.3 Skirt Boards:** Skirt boards shall be treated lumber meeting the requirements of Section 317 and attached per Table 324.7

**324.4.4 Wall Girts:** Wall girts shall be not less than 2 x 4 inches nominal and spaced not more than twenty-four (24) inches on center.

**324.4.5 Load Bearing Beams and Headers:** Load bearing beams and headers shall comply with Table 502.5(1).

**Exceptions:**
1) Bearing beams are not required if the trusses or ceiling joists and rafters bear directly on the posts.  
2) Headers in the gable-end wall which do not support more than five square feet of wall area per lineal foot of header shall be sized per Table 324.4.5

### TABLE 324.3
**POST FRAME PIER FOOTING DIAMETERS**

<table>
<thead>
<tr>
<th>Building width (length of truss) including overhang (feet)</th>
<th>24</th>
<th>28</th>
<th>32</th>
<th>36</th>
</tr>
</thead>
</table>
| Diameter (inches)  
20# roof snow load | 18 | 20 | 22 | 22 |

**a.** Pier footing thickness shall be a minimum one-half of the diameter of the footing.

**b.** Based upon 2000 PSF soil bearing capacity and truss loads of 20 or 30 PSF live or snow load top chord, 10 PSF dead load top chord, 5 PSF dead load on the bottom chord and no live load on the bottom chord.

**c.** Fractional widths shall be rounded to the next higher pier footing diameter.

**d.** Table not to be used in Ohio case study areas.

**Building wider than 36' must have construction plans stamped by an Ohio registered architect or engineer.**

**This is not a full list of codes, for more information please see the 2013 Ohio residential code.**