

Portage County Building Department

449 South Meridian Street, Ravenna, Ohio 44266
Phone (330) 297-3530 Fax (330) 297-3896



Residential Post-Type Accessory (detached) Building Construction Standards

Name _____ Address _____

The construction standards are to be considered as part of the plan approval and will be attached to the copies of your approved plans to be kept on the job site for the inspectors review.

All post-type accessory buildings and structures shall adhere to the rules and regulations of Portage County, or be designed by an Ohio Registered Design Professional Architect or Engineer. Pole type buildings with width greater than (40') feet shall be designed by an Ohio Registered Design Professional. To be designated as an accessory building there must be a residential dwelling on the same parcel. Exception: accessory structures smaller than (200) square feet are exempt from plan review.

- Two-story accessory buildings (using attic trusses) shall be constructed on a continuous footing.
- Attached garages shall be constructed on a continuous footing.

Structural Guide for Detached Post-Type Buildings

Building Width	Footing Diameter	Concrete Thickness	Footing Depth	Post Size & spacing	Girder Size
20'	16"	8"	48"	4" X 6" @ 8' o/c	2-2" X 10" SPF #2
24'	18"	10"	48"	4" X 6" @ 8' o/c	2-2" X 10" YP #2
28'	18"	10"	48"	4" X 6" @ 8' o/c	2-2" X 10" SPF #2
32'	20"	12"	48"	6" X 6" @ 8' o/c	2-2" X 12" YP #2
36'	22"	12"	48"	6" X 6" @ 8' o/c	2-2" X 12" SPF #2
40'	24"	12"	48"	6" X 6" @ 8' o/c	2-2" X 12" YP #2

Design Values

- Soil Bearing 2000 psf
- Ceiling Height 12' Max.
- Truss or Rafter 24" o.c.
- Snow Load 30 psf

Construction Notes

- The 6" side of posts shall be perpendicular to the wall. All post holes shall be inspected before setting concrete pads.
- Skirt boards shall extend a minimum of 8" above grade and be pressured treated.
- Concrete slabs shall not be placed in direct contact with the load-bearing posts. Slabs shall be placed on compacted sand or gravel and meet the standards as described in the Ohio Residential Code.
- Girts (2" x 4") shall be placed no more than 24" on centers and be secured to each pole with (2-16d) nails.
- Trusses shall be designed to support no less than (45psf) unless submitted with engineering data.
- Trusses shall be secured at each bearing point with a metal truss clip or strap.
- Walls shall be diagonally braced to resist wind forces.
- Continuous beams supporting the trusses shall be thru-bolted to the poles.