

Inspection Services of Central Minnesota, Inc.



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POLE BUILDING PERMIT INFORMATION

Information necessary when applying for a permit

1. Permit application
2. 2-detailed pole building plans, drawings showing proposed designs and materials. Drawings shall be drawn to scale and shall include the following information:
Floor plan- indicating proposed size, post location and spacing, window and door openings, header sizes and material, space and direction of rafter materials.
Cross section- indicating footing and floor design, wall and roof construction and material used.
Elevations- front and side view, indicating height of structure and overhang.
3. If truss roof system is to be used, submit 2 copies of stamped pre-engineered truss design from the manufacturer: Roof snow load in Zone I is 42 lbs and Zone II is 35 lbs. See map at www.dli.mn.gov/ccld/pdf/bc_map_snowload.pdf.
4. If large doors on the gable end are to be installed, please provide structural roof truss and list header type and size.
5. Footing depth for a structures in Zone I is 60" (five foot depth) minimum below grade, Zone II is 42" (three feet six inches) minimum below grade. See map at www.dli.mn.gov/ccld/pdf/bc_map_frost_depth.pdf.

Building Code Requirements:

1. **Sample footing sizes for areas with 35lb snow load.** (examples used 35 psf top chord live load, 5 psf top chord dead load and 5 psf bottom chord dead load. Post spacing is 8 feet on center)
Truss 30 feet wide - round footing size is 24 inches and 12 inches thick.
Truss 36 feet wide - round footing size is 26 inches and 12 inches thick.
Truss 40 feet wide - round footing size is 27 inches and 12 inches thick.
Truss 50 feet wide - round footing size is 30 inches and 12 inches thick.
2. **Sample footing sizes for areas with 42lb snow load.** (examples used 42 psf top chord live load, 5 psf top chord dead load and 5 psf bottom chord dead load. Post spacing is 8 feet on center)
Truss 30 feet wide - round footing size is 26 inches and 12 inches thick.
Truss 36 feet wide - round footing size is 28 inches and 12 inches thick.
Truss 40 feet wide - round footing size is 29 inches and 12 inches thick.
Truss 50 feet wide - round footing size is 33 inches and 14 inches thick.
3. Poles- minimum size 6x6 treated to .60 retention. (proof of treatment required)
4. Wall framing- 2x4 wall girt are required 24 inches on center, horizontal outside of the poles, or 2x6 flat between the poles 24 inches on center. A treated 2x6 splash board is required at the bottom of the wall (at grade) to anchor outer sheet metal. Wind bracing is required in all corners of the building or provide other wall bracing design. 2x6 knee bracing is required from each pole to the roof truss.

5. Sides/roofing- fasten approved material according to the manufacturer specifications.
6. Headers- show all header size on the plans for approval by the Building Official.

Note: These buildings are not for commercial use or human occupancy.

The purpose of a plan review is to inform you of potential problems, the more information provided, the more likely your project will run smoothly.

(Construction can not begin until a permit has been issued!)

REQUIRED INSPECTIONS

1. Footing: To be conducted after all holes have been dug.
2. Framing: To be conducted after all framing has been completed. This can be done at the same time as the final if all framing will be visible and accessible.
3. Final: To be conducted after all work is complete, including approval of all electrical, plumbing and mechanical work.

GENERAL

1. The “approved” plans and the Inspection Record Card shall be made available to the inspectors during inspections. The Building Permit is to be posted in a prominent location visible from the street.

24-Hour Notice is required for all Inspections.