

RESIDENTIAL POST FRAME ACCESSORY BUILDING

Kandiyohi County Building Department (2007 MSBC)

IF THIS STRUCTURE IS TO BE HEATED THE MINNESOTA STATE ENERGY CODE MUST BE APPLIED

Manufactured trusses (provide a minimum 35 psf snow load). Roof truss drawings must be on the construction site to complete the framing inspection.

Roof purlin spacing is determined by the designed roof load as well as size, species and grade of materials. The minimum design includes a 35 psf snow load plus any top cord dead load.

Headers must be sized to carry all applied loads.

Horizontal wall girts at 24 inches on center or provide the manufacturers specifications sheets for the steel wall panels.

Wind knee bracing may be required from the post to the rafter top cord.

Painted steel wall sheathing.

All fasteners, hangers and flashings must be approved for use with treated wood products.

Metal flashing.

Treated grade board.

Post embedment depth will vary depending upon wall height above finished grade.

(Soil types will also affect the pole embedment depth.)

8 to 10 feet = 4'-0" plus the footing thickness.

10 to 12 feet = 4'-6" plus the footing thickness.

12 to 14 feet = 5'-0" plus the footing thickness.

14 to 16 feet = 5'-6" plus the footing thickness.

The post must be pinned to the footing or blocked to prevent wind uplift.

Provide lateral bracing as per the manufacturers truss drawings.

Rafters must be notched into the post or bearing on support beams.

If the space is to be heated it must comply with the Minnesota State Energy Code.

- 1. R-5 sub-grade insulation to the designed frost line or an approved alternate.**
- 2. Minimum R-19 in the wall cavity.**
- 3. Minimum R-38 in the attic space.**
- 4. Provide an attic access with a minimum rough opening of 22"x30".**
- 5. A sealed vapor barrier is required on the heated side of all exterior walls and ceilings. Electrical openings must be of the energy type in these areas.**
- 6. Attic ventilation rate of 1 sq/ft in every 300 sq/ft equally split at the ridge and eaves.**
- 7. A windwash barrier is required on the exterior between the framing and the steel panel.**
- 8. You must also provide a 6 mil vapor barrier under the concrete floor.**

Compact the fill around all poles.

5x6 inch treated post or treated laminated column. (The material must be treated for ground embedment.)

The footings must be cast in place concrete and sized to carry all (Roof live and dead loads plus wall loads. Concrete cookies are not allowed.

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