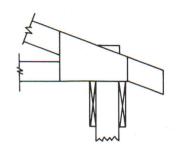


POLE BUILDING BUYING GUIDE



and specification sheet

Cooperative Extension Service

Michigan State University

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BUYING A FARM BUILDING often presents problems. Very often the details affecting quality are unknown to the buyer. This makes it very easy for the seller to meet price competition by lowering standards.

Most contractors know how to build good pole buildings and would rather build good buildings. Most contractors also like to build attractive farm buildings. The buyer must decide on the quality of construction and the degree of finish he can pay for.

Everyone is interested in getting as much as possible for their money and investment in a building can be sizeable. The most effective way to insure a good investment is to obtain competitive bids on a given building plan and specifications. This is seldom done as it requires time and many companies have so-called "standard plans" which they prefer to use. These are sometimes good plans but the buyer who is unfamiliar with construction has difficulty comparing one plan with another. Beware of the builder who cannot supply a detailed plan of the building before you sign the contract.

Most contractors like a bid on a building with a good plan and a good set of specifications. They know the plans will be uniform for all contractors and the buyer is the winner.

The accompanying specification sheets are one way to indicate to all contractors some of the pertinent details. These sheets can be used as follows:

- a. Select a plan from some qualified source.
- b. Draw an outline of the building to scale at the top of page 2.
- c. Go through the items listed and check "yes" or "no" where indicated and indicate sizes where necessary on pages 1 and 2.

One of the weakest parts of pole buildings are the joints. On pages 3 and 4 are shown systems of bracing used. Show specifically the location and number of nails and bolts on the sheet and write the total in the blank. When the building is completed, the buyer has something to check against.

A set of sheets can be made out for each bidder or the same set can be shown to the different contractors. By using this simplified specification form, all contractors should bid on the same quality of building, and the details of construction can be checked.

SKETCH A PLAN OF THE BUILDING

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Length Width to outside of wall framing	
Height inside	
SIDEWALL	
Poles Treated with penta 8 lb. retention Yes No	
Spacing open sideft. Closed sideft.	
Sizein. xin. or in diameter	
Lengthft; in groundft.	
Concrete padin. diameterin. deep.	
Splash boards penta treated 6 lb. retention Yes No	
2' x 6' CEMin. high	
Wall girt sizexspacedin.	
Rafter plate open sideClosed side	
Connection truss to rafter plate	

Siding Aluminum_____; Description_____; 2 oz. seal of quality____ Steel_____; Standard coating 1½ oz._____; 2 oz. seal of quality____ Insulation thickness_____; type_____

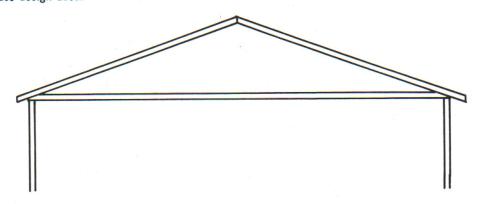
Plastic vapor barrier____mil. thick
Inside surface material____

Eaves open Yes____; No____

BUILDING DIMENSION

Ventilator number_____; size_____

ROOF: Designed to withstand 30 psf Yes_____ No_____ Draw in truss design used.



Truss length_____ft; Spacing_____ft. o.c.; glue nail____; metal plate_____

Top chord____; Bottom chord____; diagonals____

Roof girts____ x ____spaced____ft. o.c.

Roofing Aluminum____: Description_____

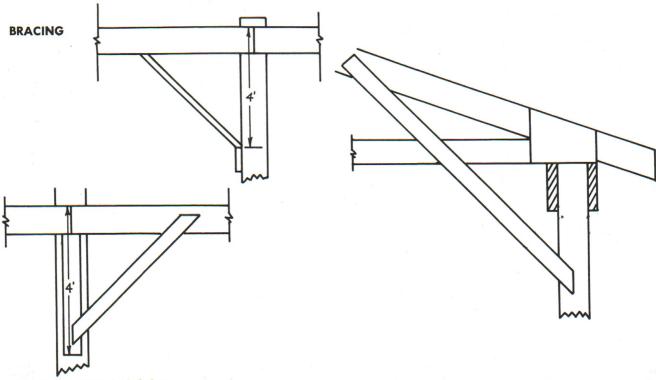
Steel____; Standard coating 1½ oz.____; 2 oz. seal of quality_____

All end laps not less than 6"; Yes____ No____

Skylight panels, number______

Ceiling material______ Wall openings
Insulation thickness_____; type_____ Windows: number_____; size_____;
Vapor barrier____mil.

Floor, thickness_____; reinforcing_____.



Is one of these types included on each side of wall poles?
_______no

Is this type included on each post?
____yes; ____no

FASTENERS — Draw the nail and/or bolt pattern used in the following joints:

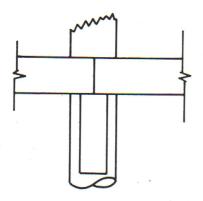
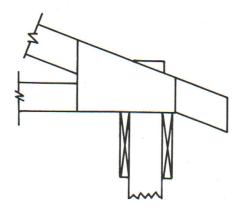
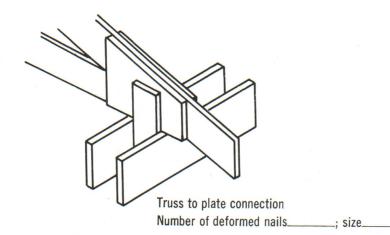


Plate to Pole
Bolts per joint number_____; size_____
Deformed nails per pole number____; size_____;



Truss to pole

Number of deformed nails_____; size_____



HARDWARE

Door track length_____; type____ Heater rated output______Btu; control_____ Fans, number_____; size_____ Gutters _____yes; _____no; Downspout ____yes; _____no

UTILITIES

No. of electrical circuits_____; wire size_____; switches_____ No. of light sockets_____; No. of convenience outlets_____ No. of water outlets_____; No. of drains_____.

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