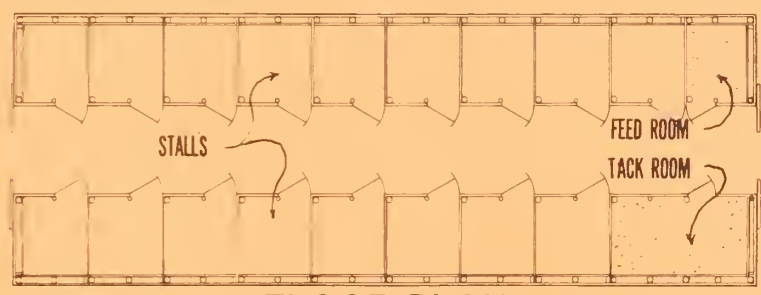


17-Stall HORSE BARN



36' x 100'



FLOOR PLAN
0 10 20 30 FEET

U. S. DEPT. OF AGRICULTURE
NATIONAL BUREAU OF HOME ECONOMICS
NOV 2 1968
GILBERT & OLSON

Horseback riding has become very popular throughout most of the United States. Numerous private and public riding clubs and academies are available to those who enjoy the sport of horsemanship. Some State and National parks also offer riding horses for hire. The farmer who wishes to supplement his income may establish such a recreational facility on his property.

This barn plan, designed by the Virginia Polytechnic Institute, is for the farmer who is interested in operating a horseback riding facility as a money-making sideline. The barn is designed for economy, long life, and low-cost maintenance; it is of pole-type construction; and

it is easy to build. The dimensions are 36 by 100 feet, and the length of the building is variable in 10-foot units. All the poles, splashboards, and other wood in contact with the ground or manure should be pressure treated with preservative to a retention of 8 pounds per cubic foot.

A center alley that separates the two rows of stalls is wide enough for the chore of saddling horses. A tack room and a feed room are located at the back end of the building, and above the center alley is a hay mow or storage loft. Hay can be dropped from the loft directly into the stalls, thereby eliminating some

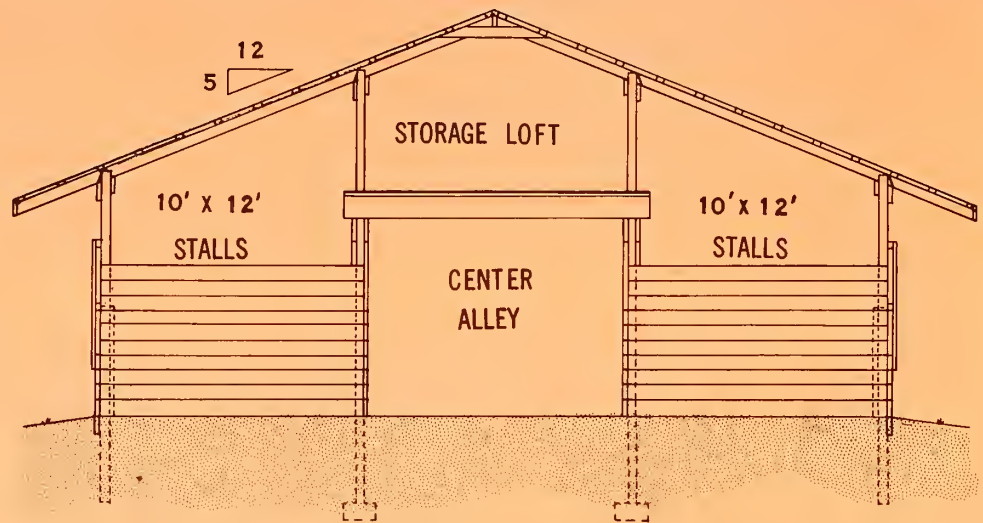
Washington, D.C.

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CROSS SECTION



of the traffic between the feed room and the stalls.

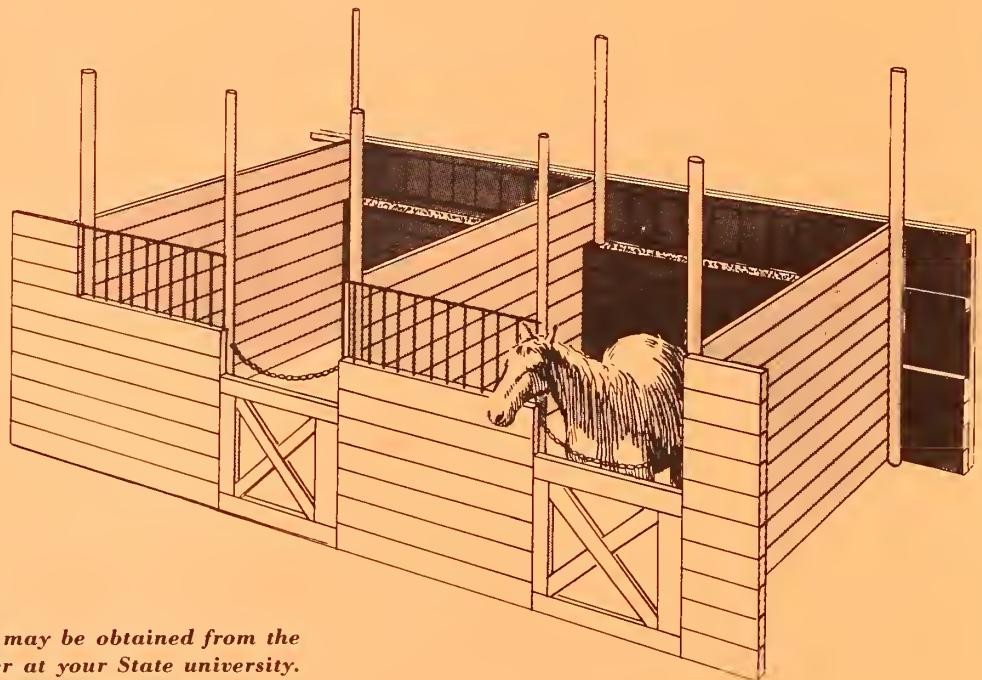
Floor materials are concrete in the feed room and in the tack room, clay in the stalls and in the center alley, and wood in the loft. The loft floor is designed to withstand a load not to exceed 75 pounds per square foot.

The wood roof framing is securely fastened to wood beams with 22-gage steel straps or with commercial

framing anchors. A covering of 2½-inch corrugated metal is suggested for the roof exterior.

The 10- by 12-foot box stalls are constructed with 2-inch lumber. For the protection of the animals, the lower 2 feet of the walls should be treated with a nontoxic preservative. The working plans show alternate stall details as well as an alternate roof design using trusses.

STALL DETAIL



Complete working drawings may be obtained from the extension agricultural engineer at your State university. There may be a small charge to cover cost of printing.

If you do not know the location of your State university, send your request to Agricultural Engineer, Federal Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250. He will forward your request to the correct university.

ORDER PLAN NO. 6011, 17-STALL HORSE BARN

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