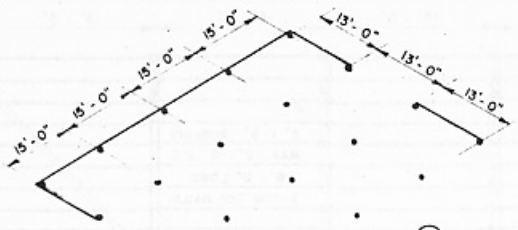
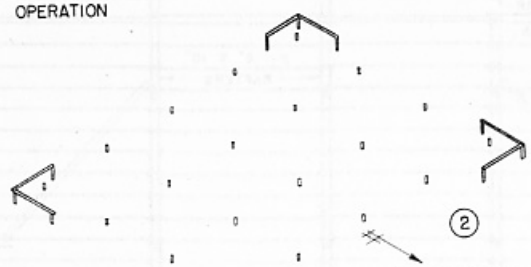
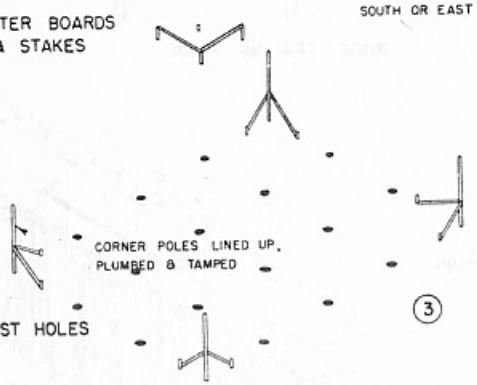


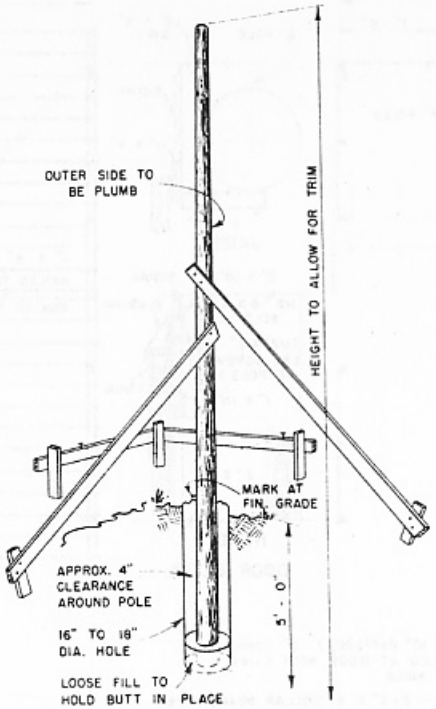
① PLAN TO SUIT OPERATION



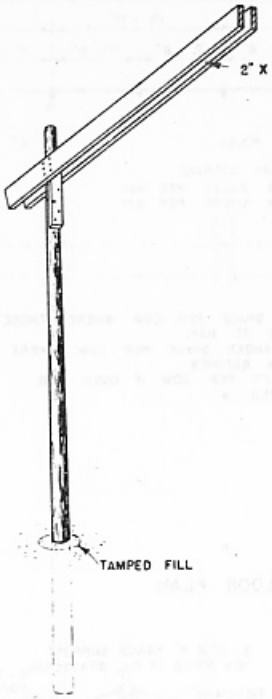
② BATTER BOARDS & STAKES



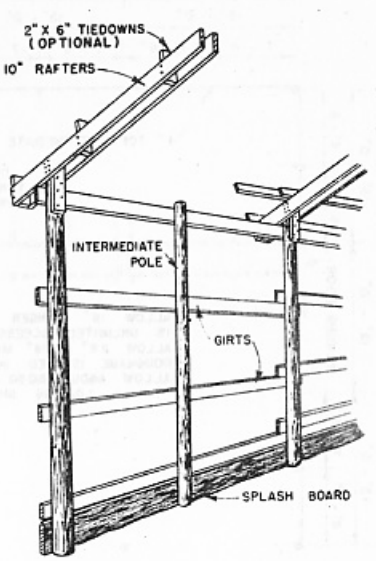
③ POST HOLES



POST HOLE & BRACED POLE



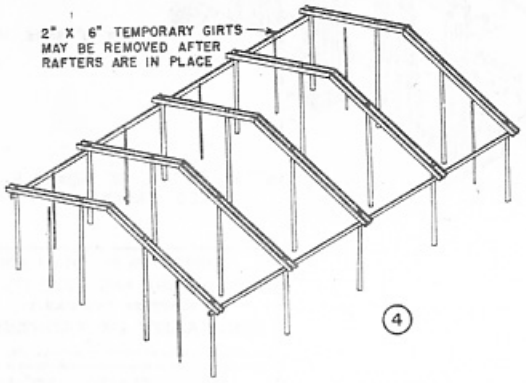
POLE & RAFTERS



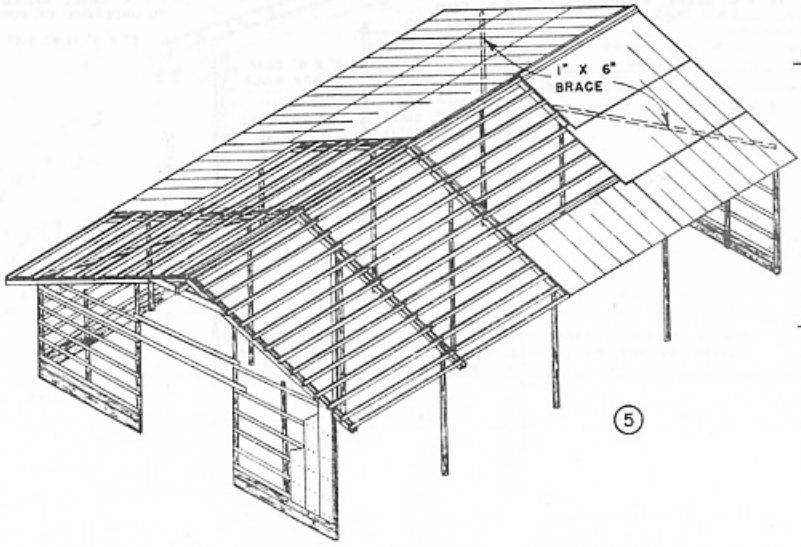
POLES, RAFTERS, PURLINS & GIRTS

NOTE

ALL POLES & SPLASH BOARDS TO BE PRESSURE-TREATED WITH PRESERVATIVE.



④ ERECTION OF BALANCE OF POLES & RAFTERS



⑤ PURLINS, GIRTS, ROOFING & SIDING

NOTE

THIS BUILDING IS DESIGNED FOR AREAS OF THE SOUTHERN UNITED STATES WHERE THE SNOW LOAD DOES NOT EXCEED 10# PER SQ. FT & WIND DOES NOT EXCEED 88 MI. PER HOUR
IN A FEW AREAS, SUCH AS NORTHERN VIRGINIA & WESTERN KENTUCKY WHERE SNOW LOADS EXCEED 10# PER SQ. FT., 2" X 12" RAFTERS SHOULD BE USED INSTEAD OF THE 2" X 10" RAFTERS SHOWN & PURLINS SHOULD BE SPACED 16" O.C. INCREASE NUMBER OF 30d NAILS IN RAFTER TO POLE CONNECTIONS 50%.
IT SHOULD NOT BE USED IN OTHER AREAS WITHOUT REDESIGNING FRAMING TO MEET LOCAL CONDITIONS.

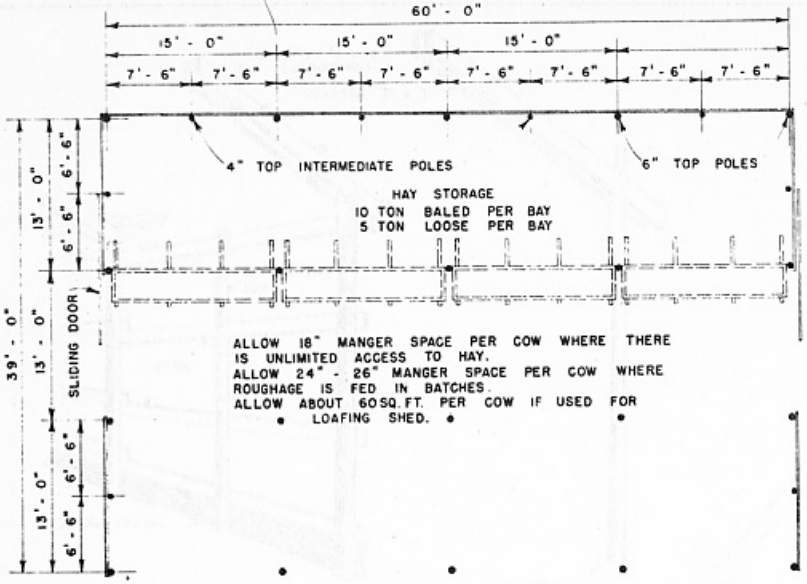
NOTE

THIS BARN MAY BE BUILT IN ANY LENGTH DESIRED IN UNITS OF 15'-0".

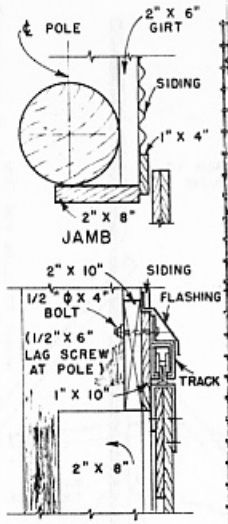
COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
STATE OF TENNESSEE
UNIVERSITY OF TENNESSEE
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

POLE BARN

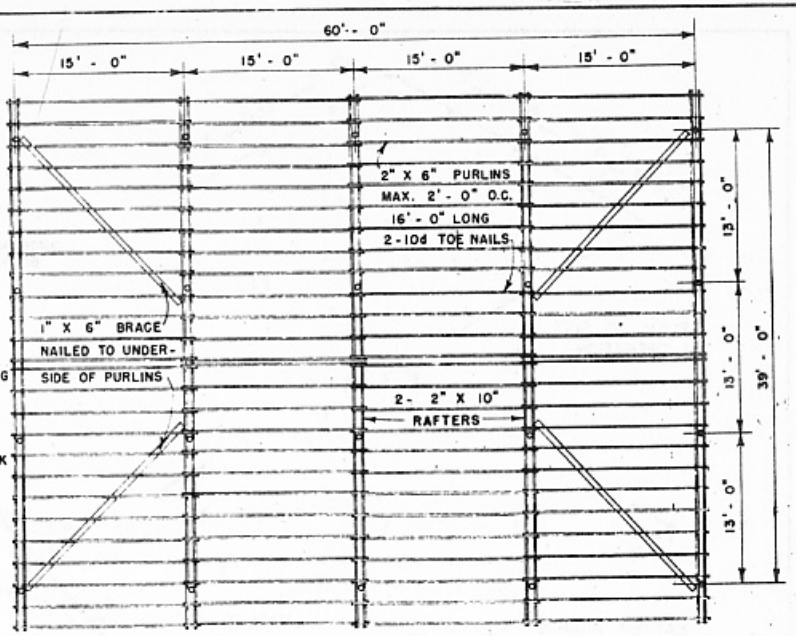
USDA '54 | T- 5780 | SHEET 1 OF 3



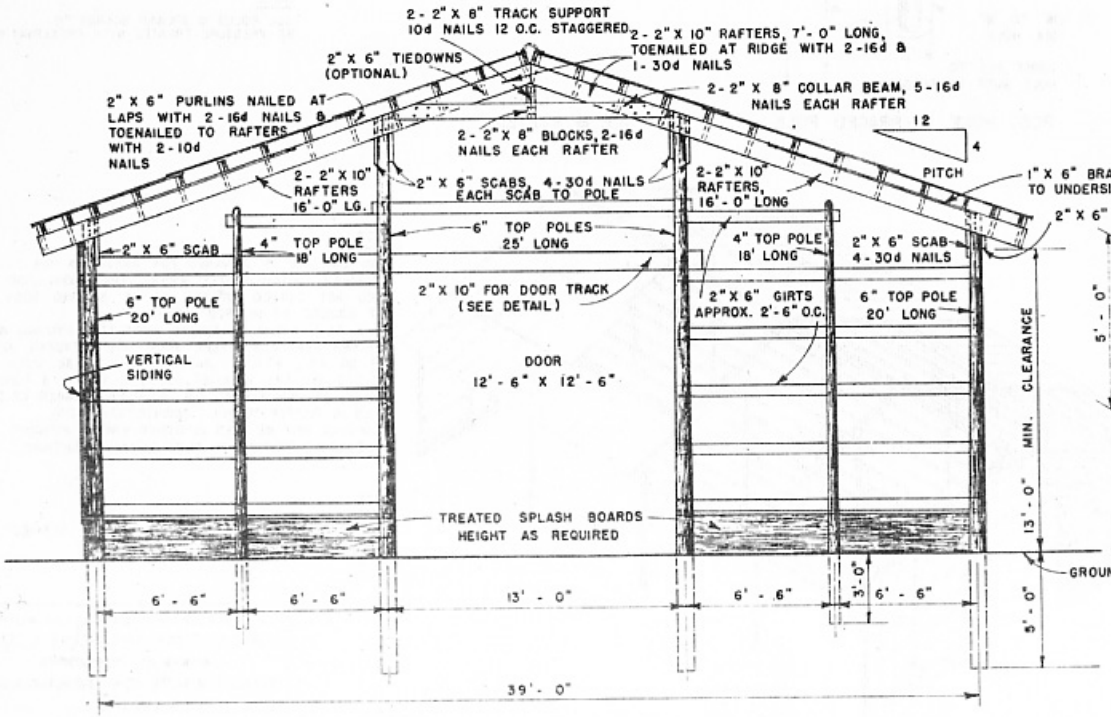
FLOOR PLAN



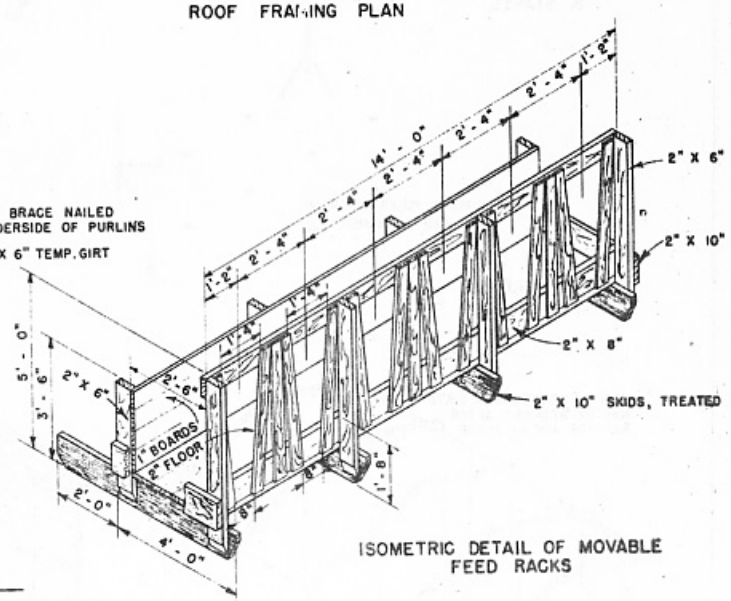
HEAD
DOOR DETAIL



ROOF FRAMING PLAN



CROSS SECTION SHOWING END WALL FRAMING



ISOMETRIC DETAIL OF MOVABLE FEED RACKS

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POLE BARN 39' WIDE

USDA '54 | EX. 5780 | SHEET 2 OF 3