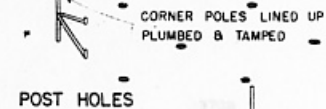
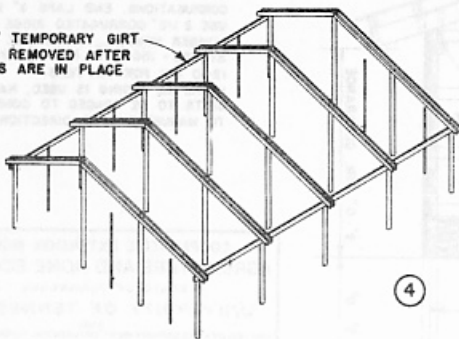


BATTER BOARDS & STAKES

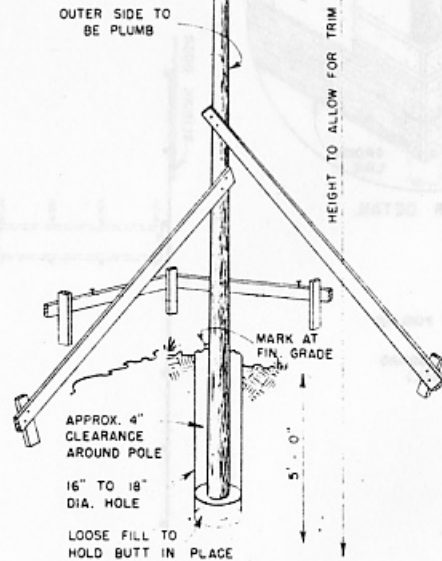


POST HOLES

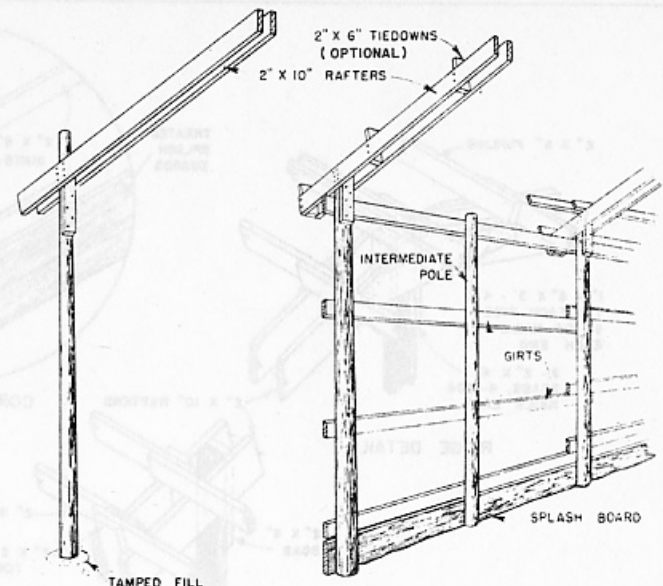
2" X 6" TEMPORARY GIRT MAY BE REMOVED AFTER RAFTERS ARE IN PLACE



ERECTION OF BALANCE OF POLES & RAFTERS

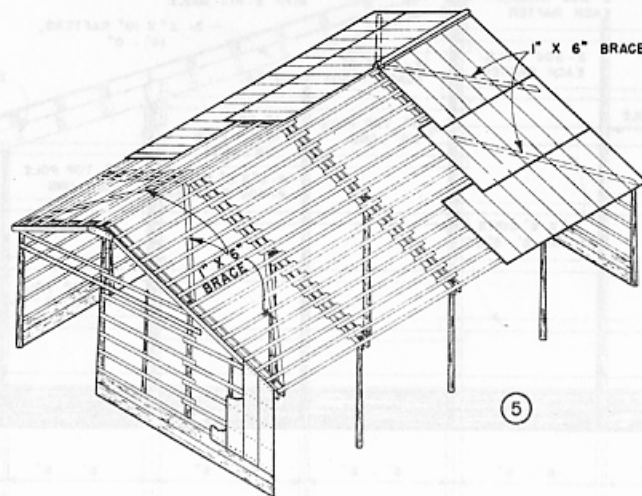


POST HOLE & BRACED POLE



POLES, RAFTERS, PURLINS & GIRTS

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



PURLINS, GIRTS, ROOFING & SIDING

NOTE

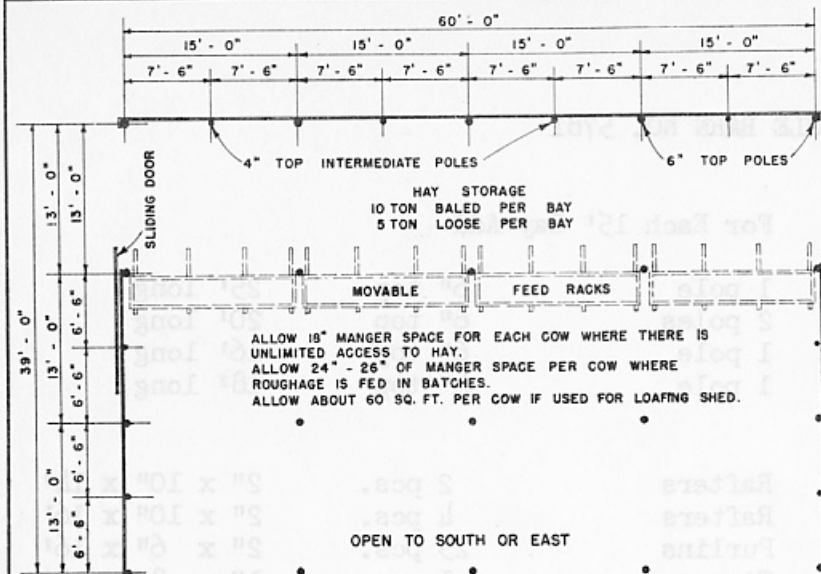
THIS BUILDING IS DESIGNED FOR AREAS OF THE SOUTHERN UNITED STATES WHERE THE SNOW LOAD DOES NOT EXCEED 10" PER SQ. FT. & WIND DOES NOT EXCEED 88 MI. PER HOUR. IN A FEW AREAS, SUCH AS NORTHERN VIRGINIA & WESTERN KENTUCKY WHERE SNOW LOADS EXCEED 10" PER SQ. FT., 2" X 12" RAFTERS SHOULD BE USED INSTEAD OF 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

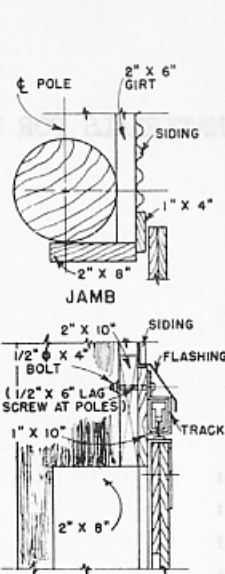
THIS BARN MAY BE BUILT IN ANY LENGTH DESIRED IN UNITS OF 15'-0".

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

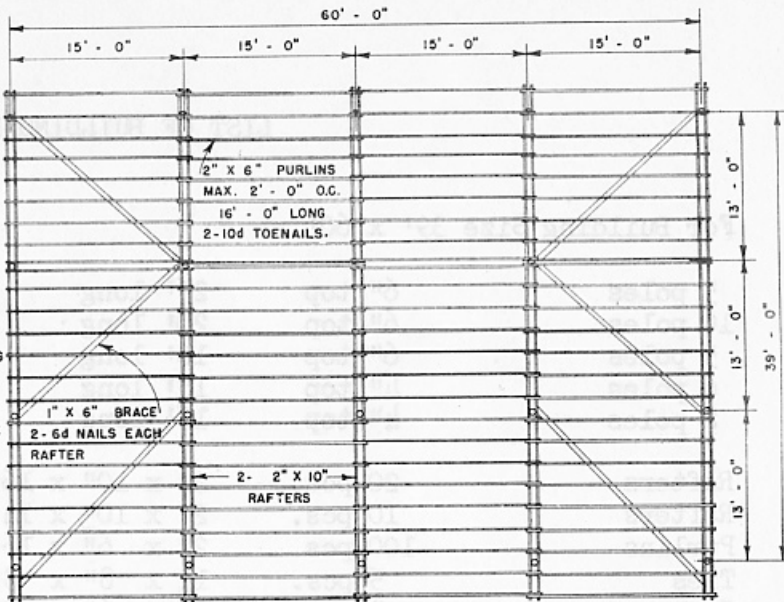
POLE BARN



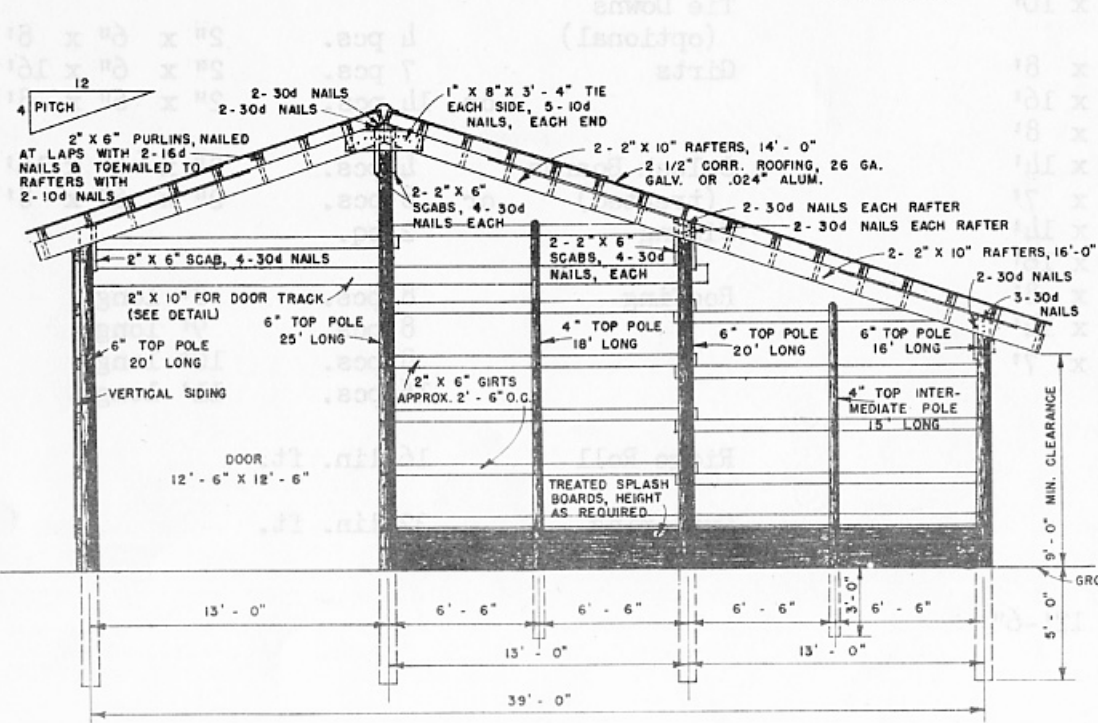
FLOOR PLAN



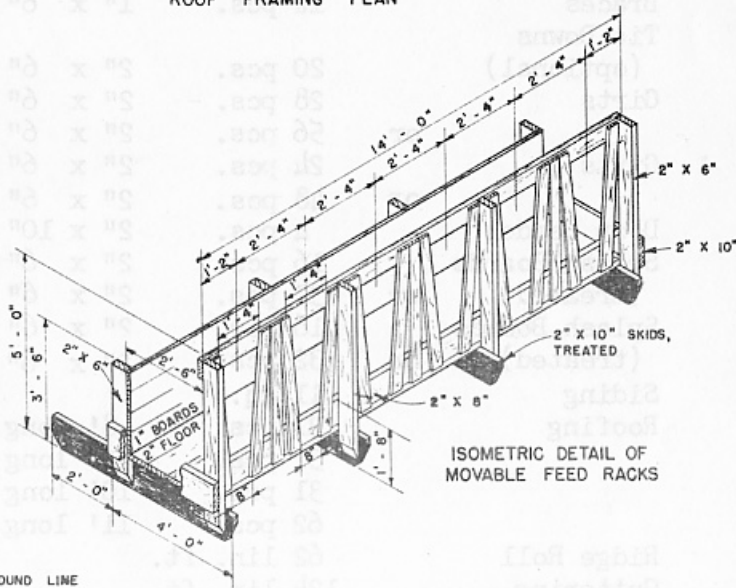
HEAD  
DOOR DETAIL



ROOF FRAMING PLAN



CROSS SECTION SHOWING END WALL FRAMING



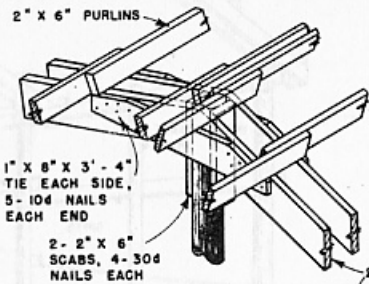
ISOMETRIC DETAIL OF  
MOVABLE FEED RACKS

NOTE:  
IF IN THE FUTURE THIS BARN IS TO BE  
WIDENED TO 52' AS SHOWN ON SHEET  
3, USE LONGER POLES AS SHOWN ON  
SHEET 3.

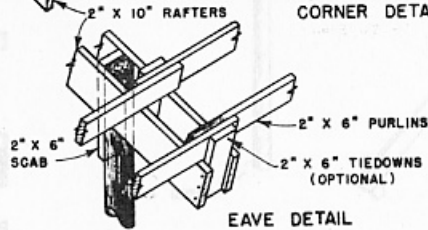
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UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

**POLE BARN 39' WIDE**

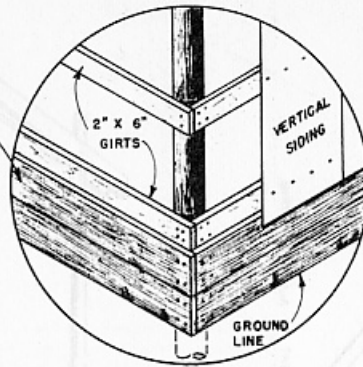
USDA '54 EX. 5781 SHEET 2 OF 3



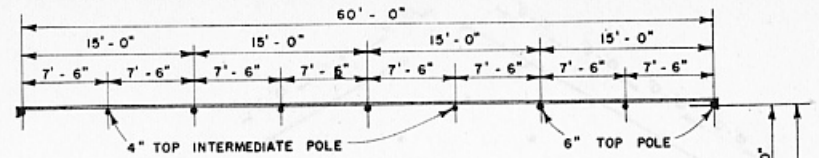
RIDGE DETAIL



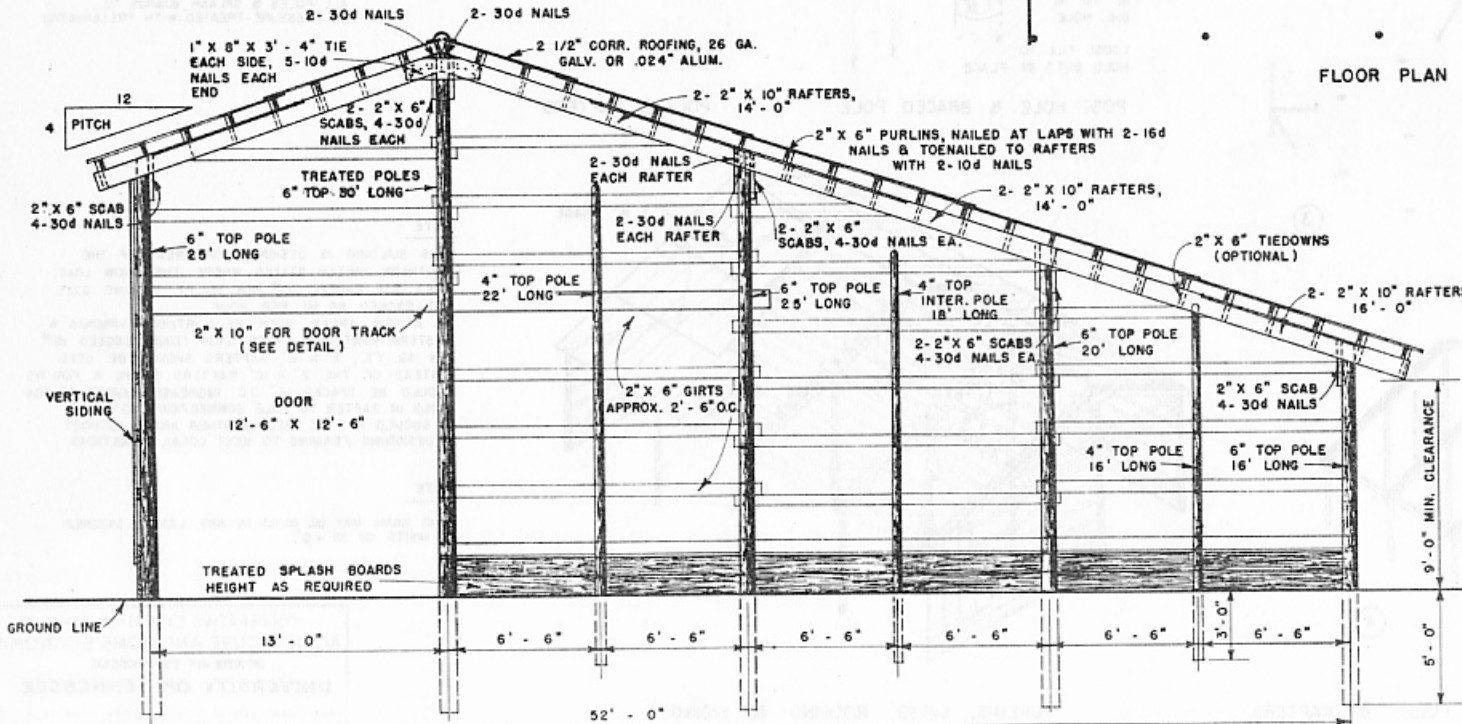
EAVE DETAIL



CORNER DETAIL



FLOOR PLAN



CROSS SECTION SHOWING END WALL FRAMING

NOTE:

ROOFING - PURLIN SPACING NOT TO EXCEED 2' - 0" FOR .024", 2 1/2" CORRUGATED ALUM. OR 26 GA. 2 1/2" CORRUGATED GALVANIZED STEEL. SIDE LAP SHEETS AT LEAST 1 1/2" CORRUGATIONS, END LAPS 6" MIN. USE 2 1/2" CORRUGATED RIDGE ROLL. LUMBER NOMINAL, ALLOWABLE FIBER STRESS - 1500 PSI FOR PURLINS, 1200 PSI FOR RAFTERS. IF METAL SIDING IS USED, NAILING GIRTS TO BE SPACED TO CONFORM TO MANUFACTURERS DIRECTIONS.

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POLE BARN 52' WIDE

USDA '54 EX. 5781 SHEET 3 OF 3