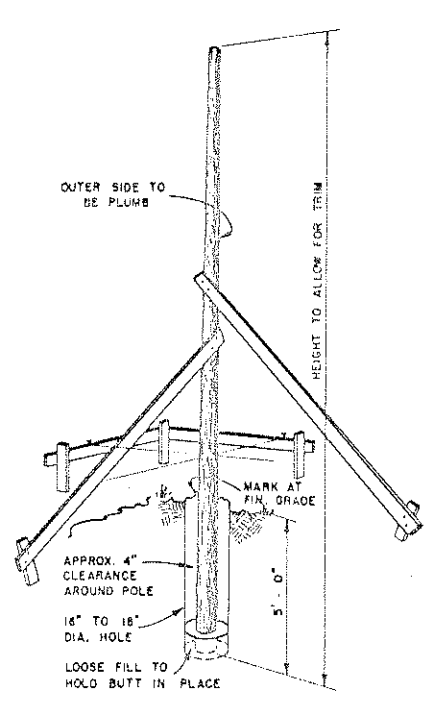
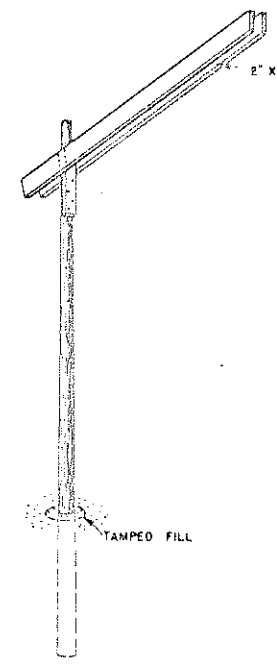


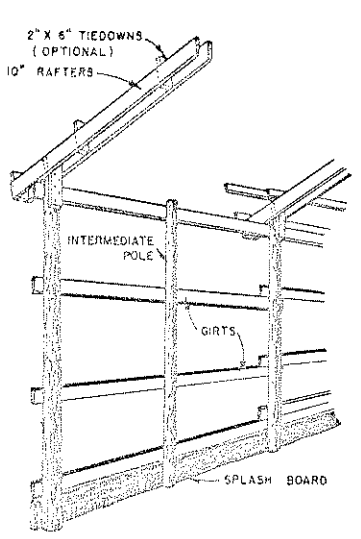
ERECTION OF BALANCE OF POLES & RAFTERS



POST HOLE & BRACED POLE

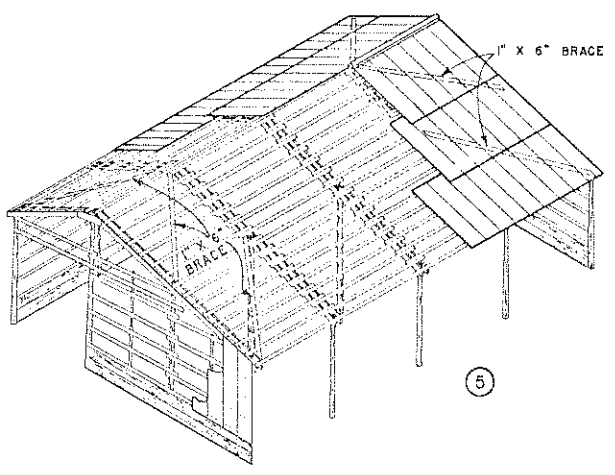


POLE & RAFTERS



POLES, RAFTERS, PURLINS & GIRTS

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



PURLINS, GIRTS, ROOFING & SIDING

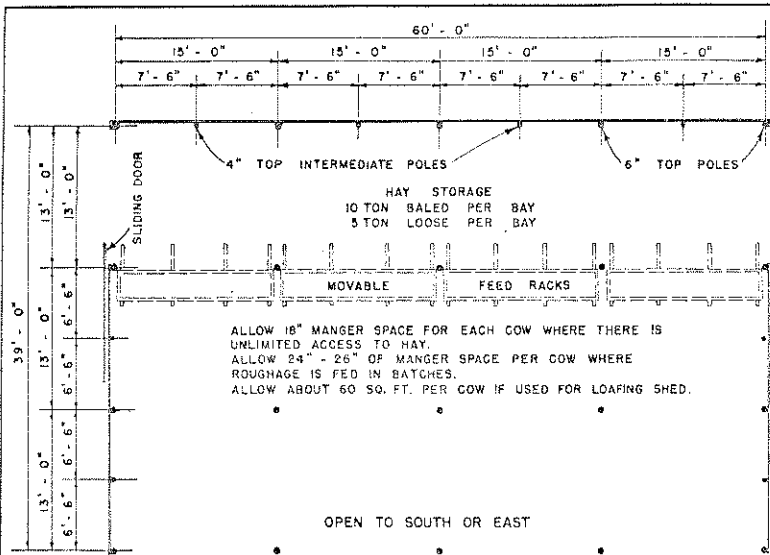
NOTE

THIS BUILDING IS DESIGNED FOR AREAS OF THE SOUTHERN UNITED STATES WHERE THE SNOW LOAD DOES NOT EXCEED 10⁴ 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 10⁴ 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 30⁴ NAILS IN RAFTER TO POLE CONNECTIONS 50%. IT SHOULD NOT BE USED IN OTHER AREAS WITHOUT REDESIGNING FRAMING TO MEET LOCAL CONDITIONS.

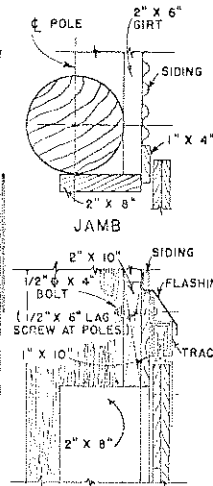
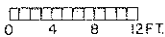
NOTE

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

COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS DEPARTMENT OF AGRICULTURAL ENGINEERING UNIVERSITY OF MARYLAND <small>AND</small> UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING		
POLE BARN		
USDA '54	EX. 5781	SHEET 1 OF 3

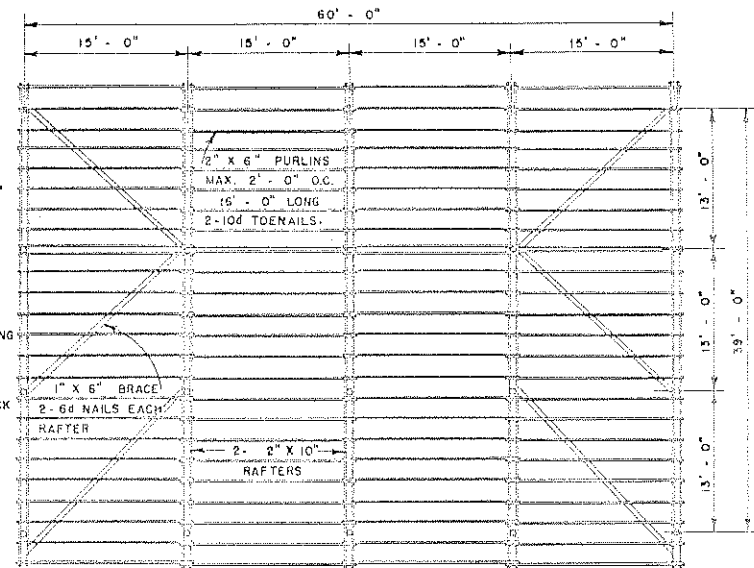
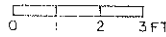


FLOOR PLAN

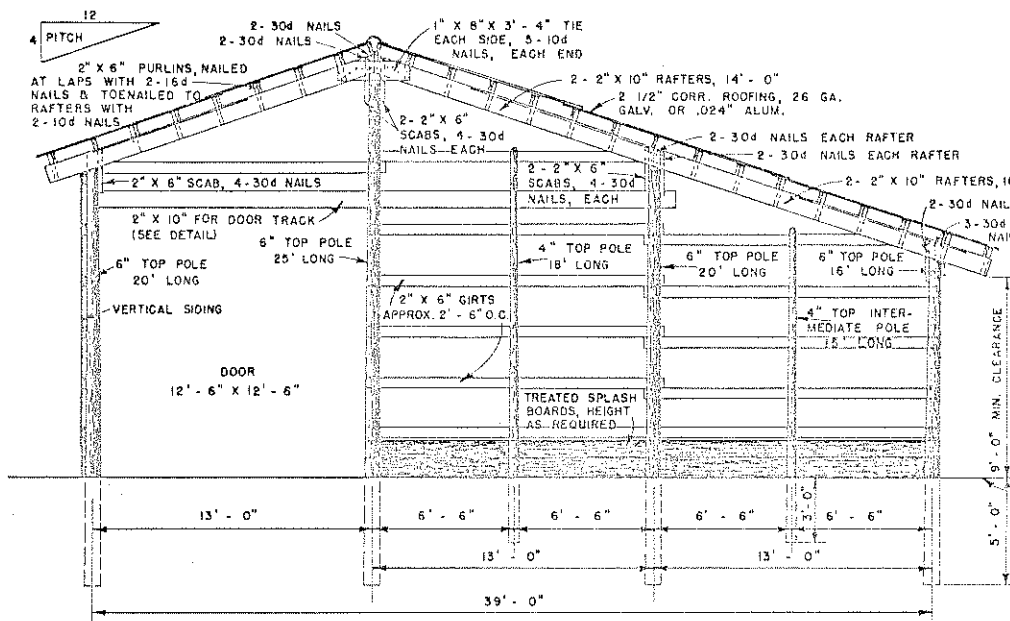
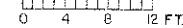


HEAD

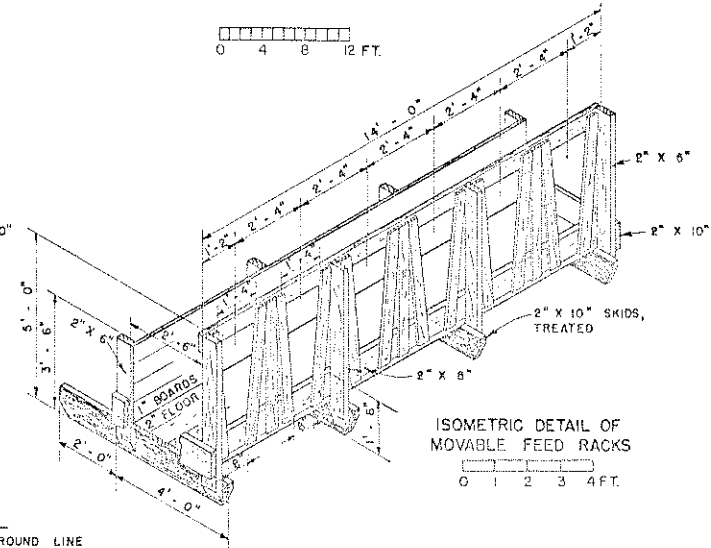
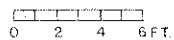
DOOR DETAIL



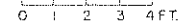
ROOF FRAMING PLAN



CROSS SECTION SHOWING END WALL FRAMING



ISOMETRIC DETAIL OF
MOVABLE FEED RACKS



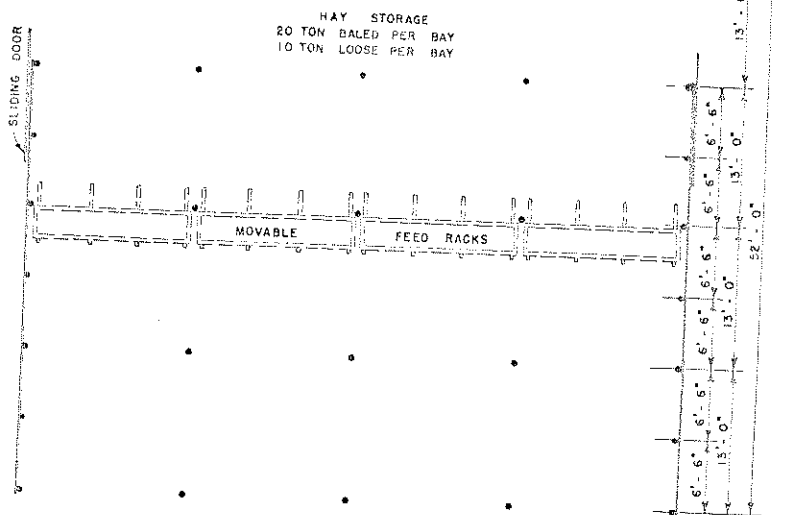
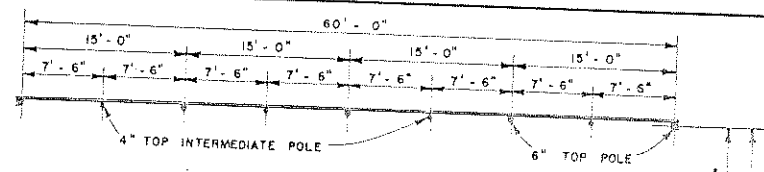
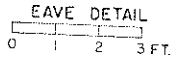
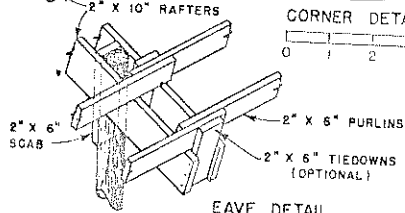
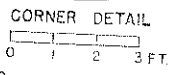
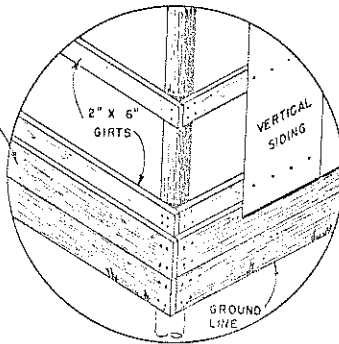
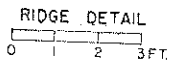
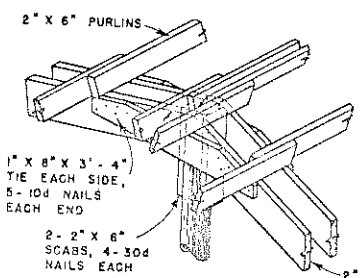
NOTE 1

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.

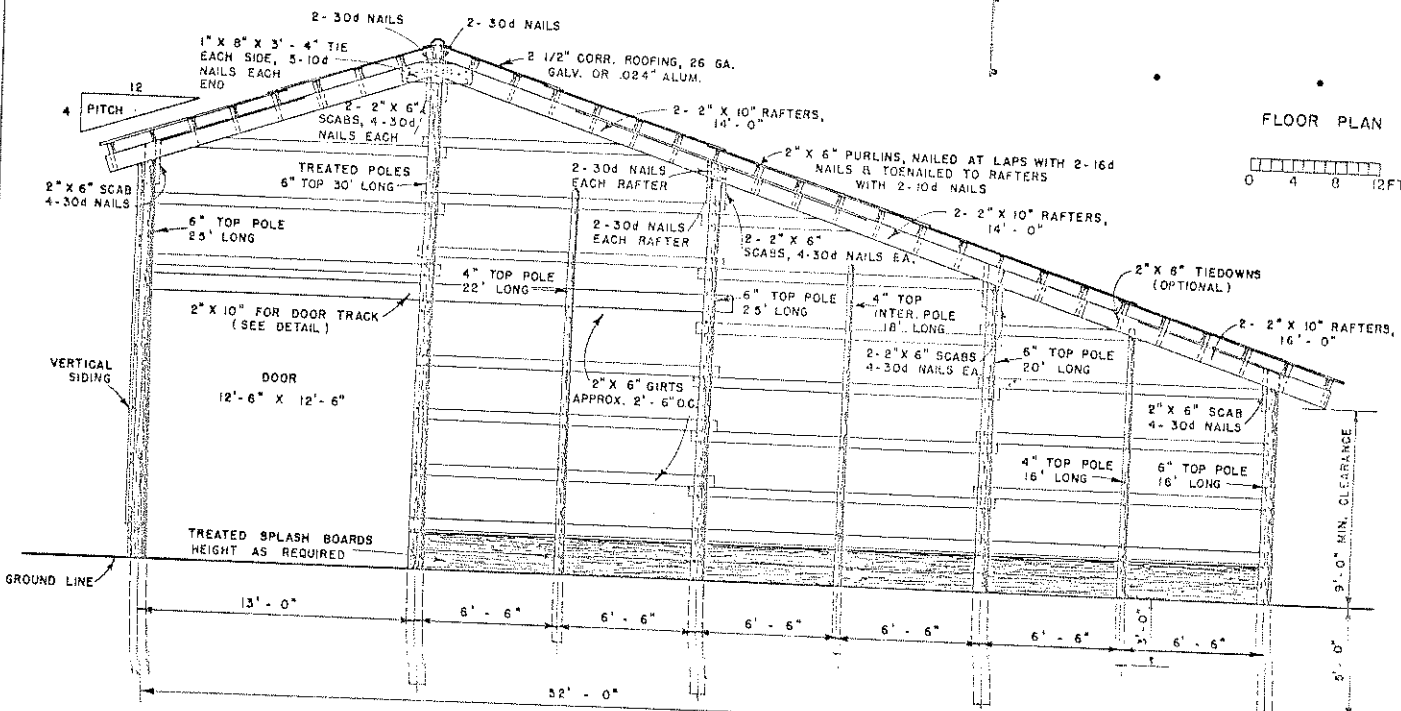
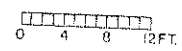
COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
DEPARTMENT OF AGRICULTURAL ENGINEERING
UNIVERSITY OF MARYLAND
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

POLE BARN

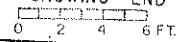
USDA '54 EX. 5781 SHEET 2 OF 3



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 NORMAL, 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.

COOPERATIVE EXTENSION WORK IN
 AGRICULTURE AND HOME ECONOMICS
 DEPARTMENT OF AGRICULTURAL ENGINEERING
 UNIVERSITY OF MARYLAND
 AND
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

POLE BARN

USDA 54 EX. 5781 SHEET 3 OF 3