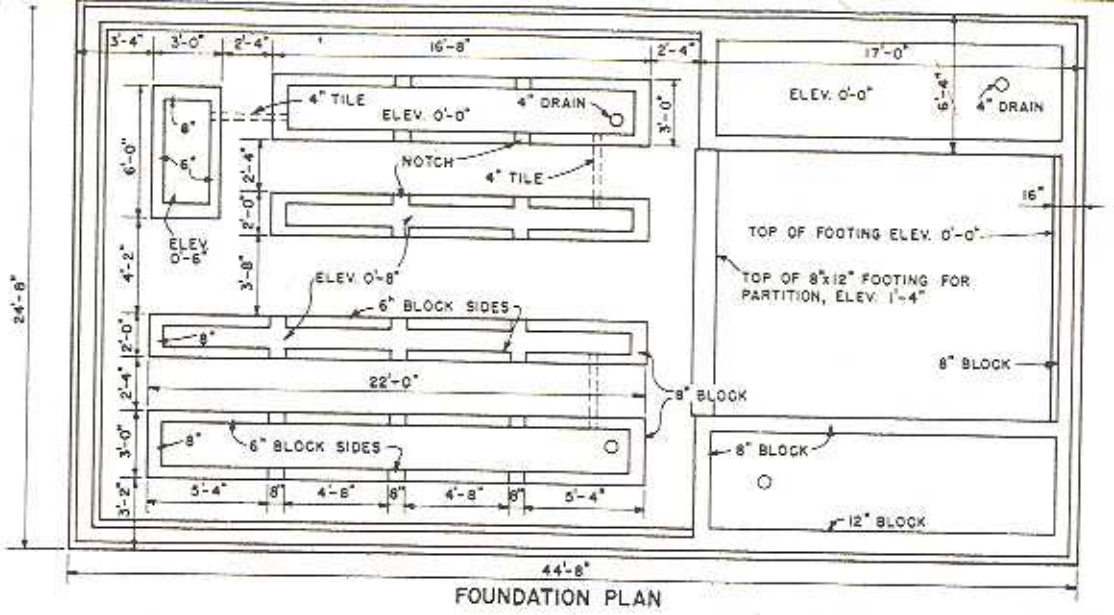
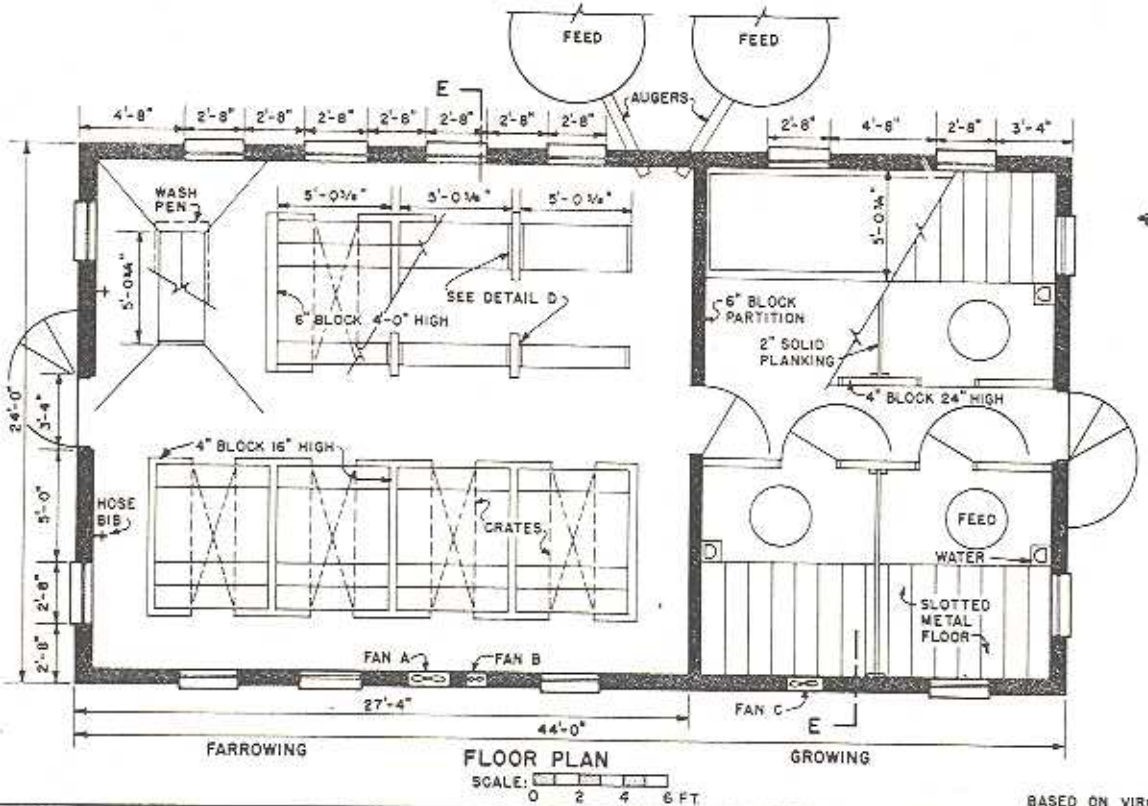


FOUNDATION PLAN



FLOOR PLAN

SCALE: 0 2 4 6 FT.

SLOTTED METAL FLOOR PANELS, USED OVER ALL PITS ARE 14 GAGE STEEL, 11¾" x 5'-0" WITH FLANGES 3" DEEP. TRANSVERSE SLOTS ⅜" WIDE ARE SPACED ABOUT ¾" O.C. OTHER SLATTED FLOOR SYSTEMS MAY BE SUBSTITUTED PROVIDING CONSTRUCTION IS MODIFIED TO SUIT. SPACING TO PROVIDE ⅜" SLOTS IS RECOMMENDED.

COMMERCIAL CRATES WITH GATE-MOUNTED FEEDERS AND WATERERS ARE INSTALLED IN EACH OF THE SEVEN FARROWING PENS.

EXHAUST FAN CAPACITIES SHALL BE RATED AT ⅛" STATIC PRESSURE.

FAN A ___ 2,000 – 2,500 CFM
" B ___ 400 – 600 "
" C ___ 1,500 – 2,000 "

FANS SHALL HAVE SELF-CLOSING SHUTTERS AND WEATHER HOODS.

FANS A AND C SHOULD BE INSTALLED TO PERMIT THEM TO BE TURNED AROUND FOR USE AS INTAKE FANS DURING HOT WEATHER.

THE CONCRETE FLOOR SLAB, 3" THICK AT THE EDGES OF THE PITS, SHOULD BE CROWNED TO PROVIDE A SLOPE TOWARD THE PITS FOR DRAINAGE.

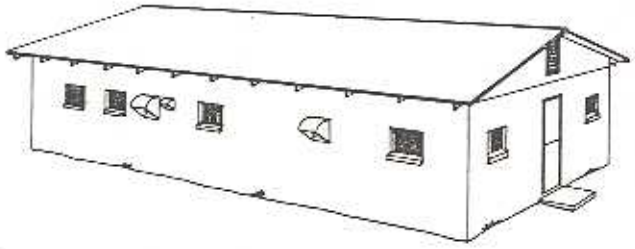
THE INSIDE OF ALL PITS SHALL BE GIVEN TWO COATS OF BITUMINOUS WATERPROOFING.

THE WASH PEN IS OPTIONAL. IF DESIRED, THE SPACE MAY BE USED FOR FEED OR UTILITY AREA.

SOLID WOOD OR METAL PANELS MAY BE SUBSTITUTED FOR THE 4" BLOCK PEN WALLS SHOWN.

FOOTINGS MUST BEAR ON SOLID EARTH BELOW FROST LINE. IF NECESSARY, MODIFY CONSTRUCTION.

VERIFY ALL DIMENSIONS ON THE JOB.



PERSPECTIVE

THIS BUILDING IS INTENDED FOR USE IN MODERATE CLIMATES.

BASED ON VIRGINIA PLAN NO. G-1.17

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

FARROWING & GROWING BLDG.

USDA '66	EX. 5992	SHEET 1 OF 3