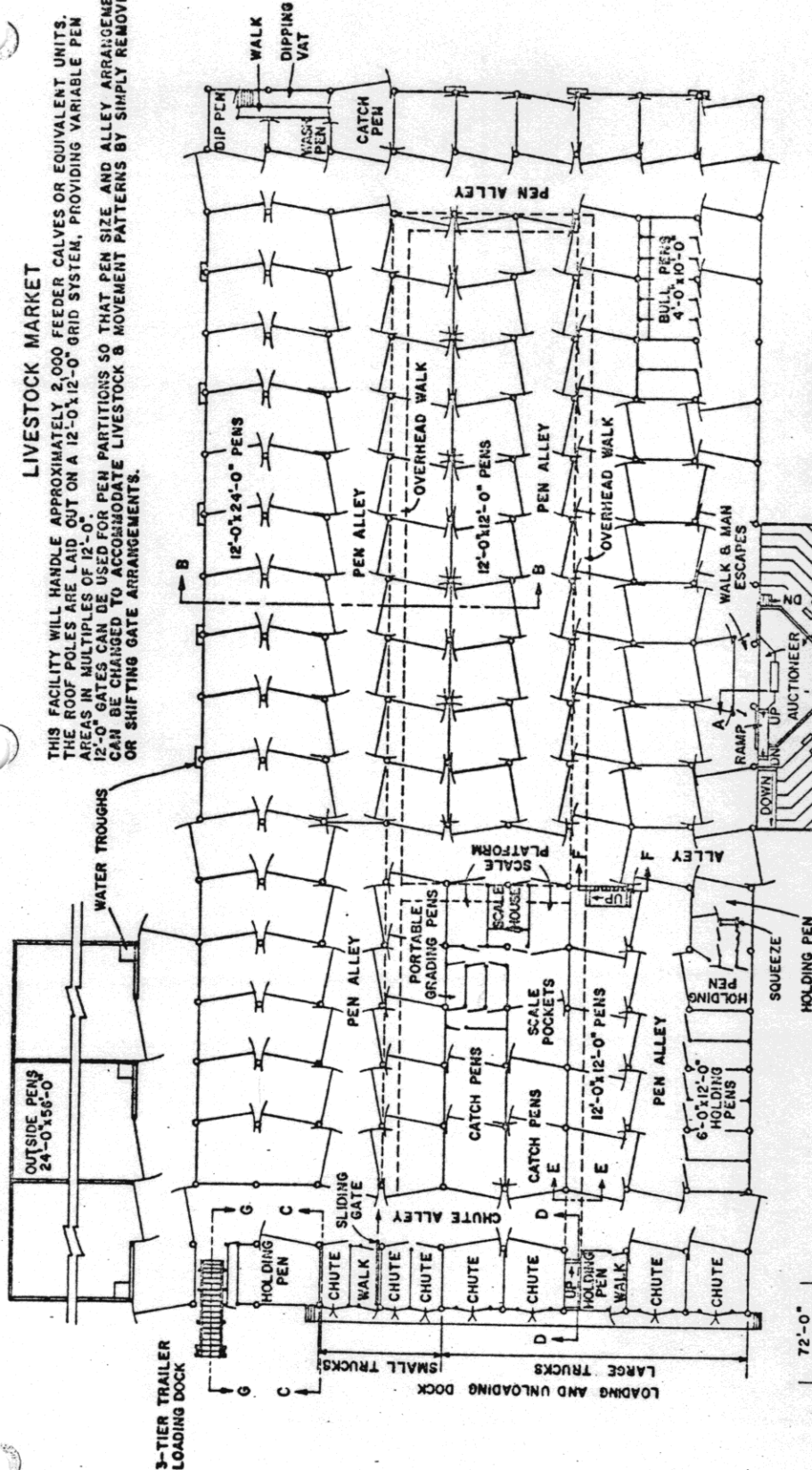


LIVESTOCK MARKET

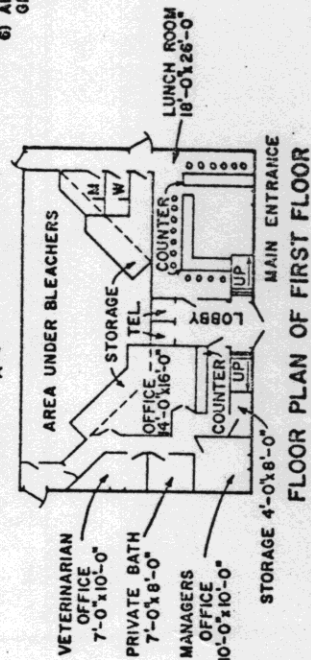
THIS FACILITY WILL HANDLE APPROXIMATELY 2,000 FEEDER CALVES OR EQUIVALENT UNITS. THE ROOF POLES ARE LAID OUT ON A 12'-0" X 12'-0" GRID SYSTEM, PROVIDING VARIABLE PEN AREAS IN MULTIPLES OF 12'-0". 12'-0" GATES CAN BE USED FOR PEN PARTITIONS SO THAT PEN SIZE AND ALLEY ARRANGEMENTS CAN BE CHANGED TO ACCOMMODATE LIVESTOCK & MOVEMENT PATTERNS BY SIMPLY REMOVING OR SHIFTING GATE ARRANGEMENTS.



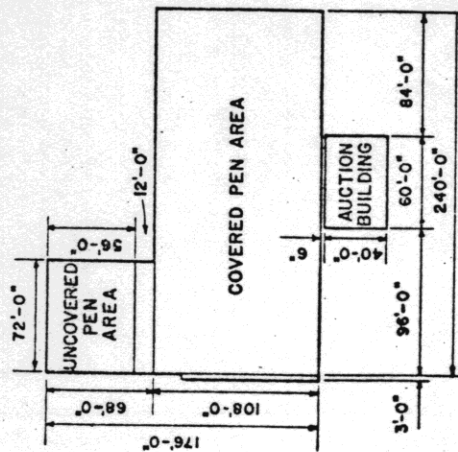
NOTES:

- 1) ALL ALLEYS ARE 12'-0" WIDE.
- 2) NUMBER AND SIZE OF PENS:
HOLDING PENS: 16, 12'-0" X 24'-0"; 54, 12'-0" X 12'-0"; 8, 6'-0" X 12'-0";
BULL PENS: 6, 4'-0" X 10'-0";
OUTSIDE PENS: 3, 24'-0" X 56'-0";
GATES ON SIDES OF 12'-0" & 24'-0" PENS PROVIDE MEANS FOR EASY MECHANICAL CLEANING.
- 3) AUDITORIUM SEATING CAPACITY, APPROXIMATELY 300.
- 4) CHECK LOCAL & STATE ZONING, HEALTH & POLLUTION CODES BEFORE CONSTRUCTION OF ANIMAL FACILITY.
- 5) ALL POLES AND OTHER WOOD IN CONTACT WITH THE GROUND OR MANURE TO BE TREATED WITH PRESERVATIVE.

FLOOR PLAN OF AUDITORIUM



PLOT PLAN

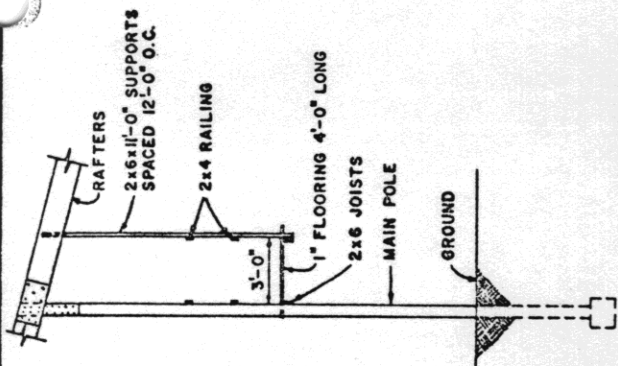


COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS

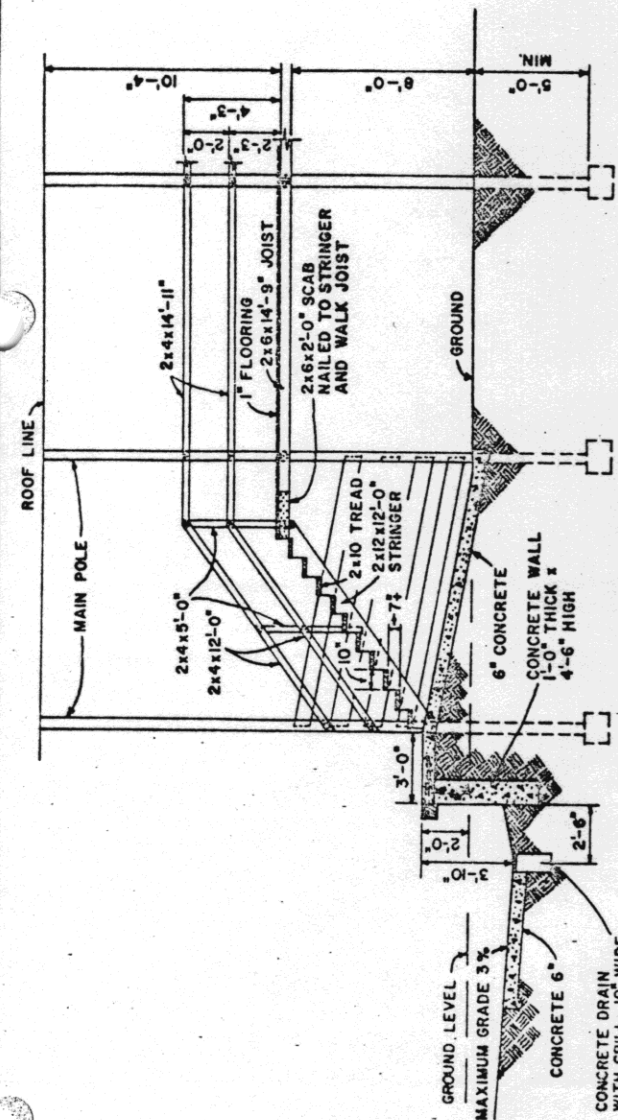
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

LIVESTOCK MARKET

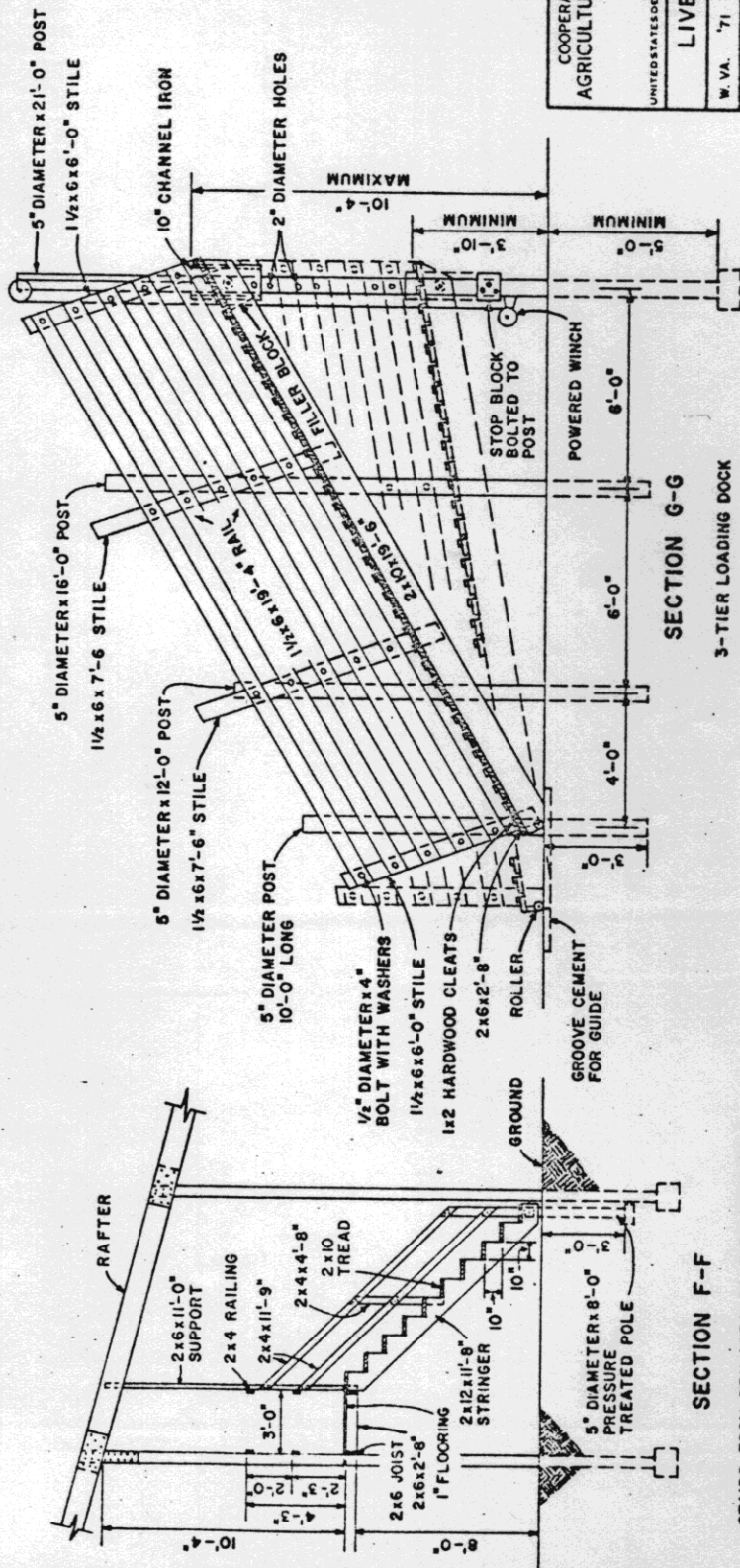
W. VA. '71 6129 SHEET 1 OF 6



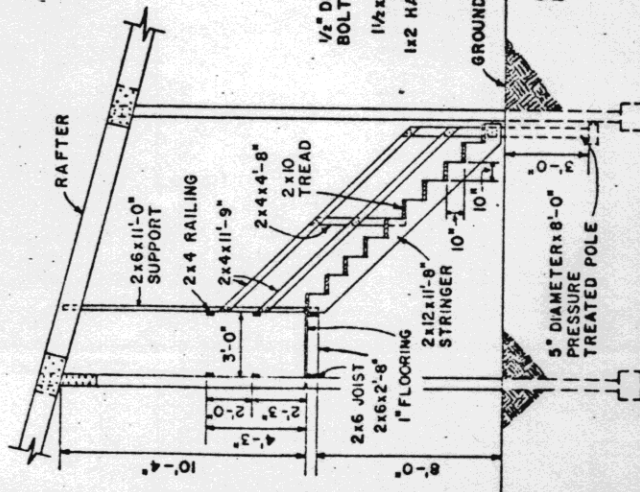
SECTION E-E
OVERHEAD WALK



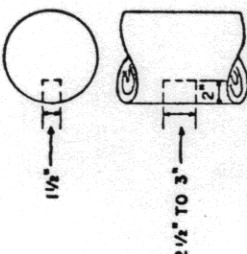
SECTION D-D
STAIRS FROM DOCK TO OVERHEAD WALK



SECTION G-G
3-TIER LOADING DOCK



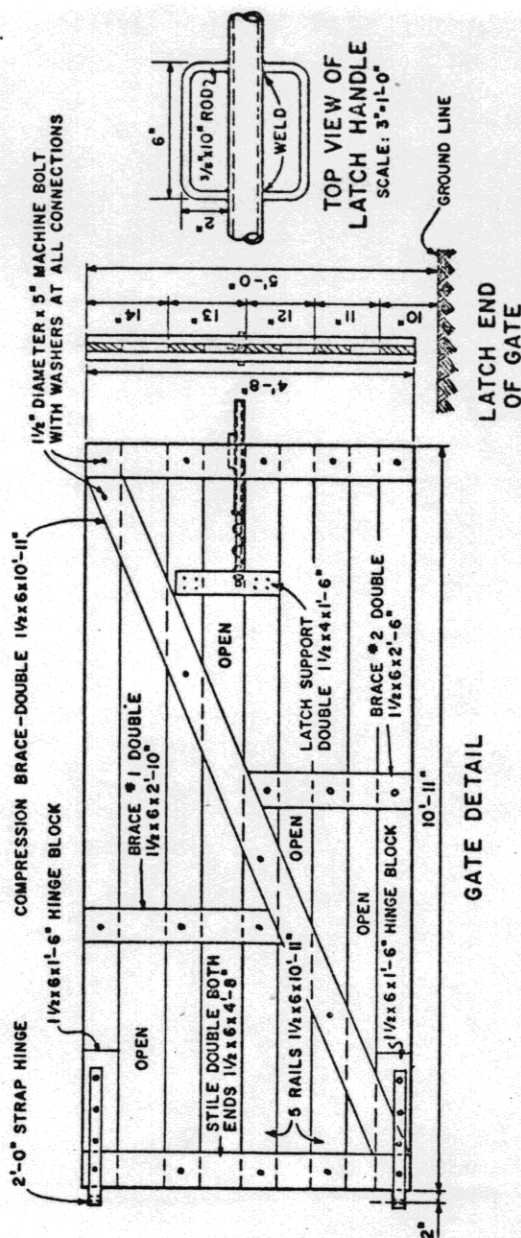
SECTION F-F
STAIRS FROM PEN AREA TO OVERHEAD WALK



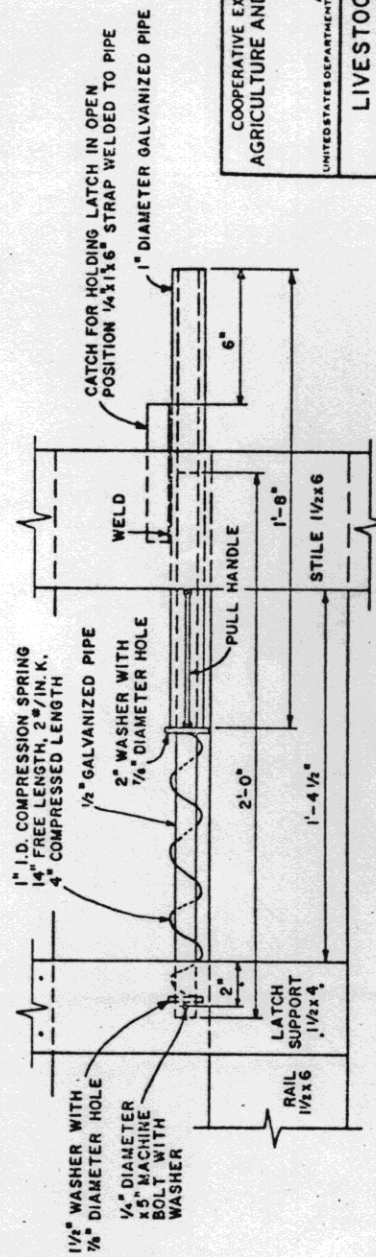
GATE LENGTHS

EFFECT OF POLE SIZE AND LOCATION OF GATE SCREW HOOKS ON GATE LENGTH VARIATION

SLOT IN POLE FOR LATCH



GATE DETAIL



LATCH DETAIL

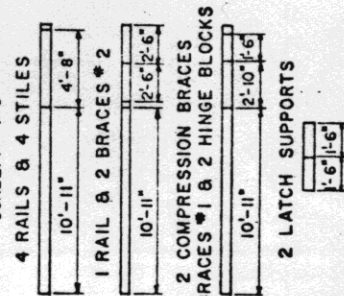
BILL OF MATERIALS

LUMBER

- 7 PIECES $1\frac{1}{2} \times 6 \times 16$ "O"
1 PIECE $1\frac{1}{2} \times 4 \times 3$ "O"
HARDWARE
18 "1" DIAMETER $\times 5$ " MACHINE BOLTS WITH WASHERS
1 PAIR 2 "O" STRAP HINGE WITH BOLTS & SCREW HOOKS
1 PIECE $\frac{1}{2}$ " DIAMETER $\times 2$ "O" GALVANIZED PIPE
1 PIECE $1\frac{1}{2}$ " DIAMETER $\times 18$ " GALVANIZED PIPE
1 PIECE $1\frac{1}{4}$ " WASHER WITH $\frac{1}{8}$ " DIAMETER HOLE
1 PIECE 2 " WASHER WITH $\frac{1}{8}$ " DIAMETER HOLE
1 PIECE $\frac{1}{4}$ " DIAMETER $\times 5$ " MACHINE BOLT WITH WASHER
2 PIECES $\frac{3}{4}$ " DIAMETER $\times 10$ " ROD, BENT FOR LATCH HANDLE
1 PIECE $\frac{1}{2} \times 1\frac{1}{2} \times 6$ " STRAP IRON
1 PIECE 1 " I.D. COMPRESSION SPRING,
14 " FREE LENGTH,
4 " COMPRESSED LENGTH,
2 " PER INCH K,
TOTAL FBM 86

LUMBER CUTTING SCHEDULE

SCALE: 1/4" = 1'-0"



COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS

UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING
AND

LIVESTOCK MARKET

W. VA.	'71	6129	SHEET 5 OF 6
--------	-----	------	--------------

