

NOTE: APPROXIMATE CAPACITY OF 8 PENS IS 240 HEAD (30 HEAD PER PEN)

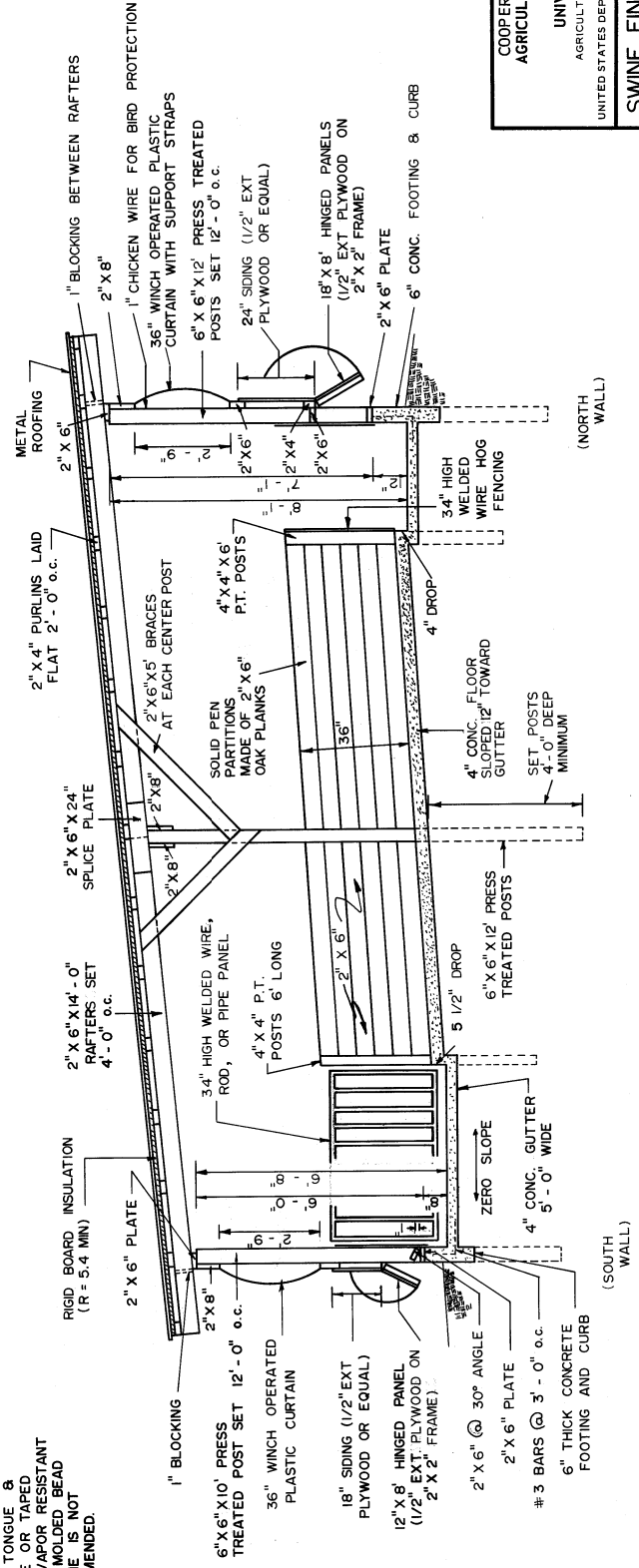
NOTE: INSULATION JOINTS TO BE TONGUE & GROOVE OR TAPED WITH VAPOR RESISTANT TAPE. WOODEN BEAD STYRENE IS NOT RECOMMENDED.

NOTES:

SECURE PROPER REGULATORY APPROVAL BEFORE STARTING CONSTRUCTION.
OPEN GUTTER FLUSHING CAN ONLY BE USED IN LOCATIONS WHERE SOIL CONDITIONS PERMIT LAAGOON CONSTRUCTION.

BECAUSE THE REQUIRED VOLUME OF FLUSH WATER IS SO LARGE, A WASTE-WATER RECYCLE SYSTEM SHOULD BE USED. THE FLUSH WATER IS DISCHARGED INTO THE FIRST STAGE LAAGOON WHERE MUCH OF THE MANURE SOLIDS CAN SETTLE OUT OF THE LIQUID. LIQUID OVERFLOW FROM THE FIRST STAGE LAAGOON FLOWS INTO A SECOND STAGE HOLDING POND. THE LIQUID IS THEN PUMPED BACK TO THE FLUSH BUCKET.

THE 200 GALLON BUCKET SHOULD FLUSH ONCE EVERY 30 MINUTES WHICH WILL REQUIRE A PUMP WITH 7 GALLONS PER MINUTE CAPACITY RUNNING CONTINUOUSLY.

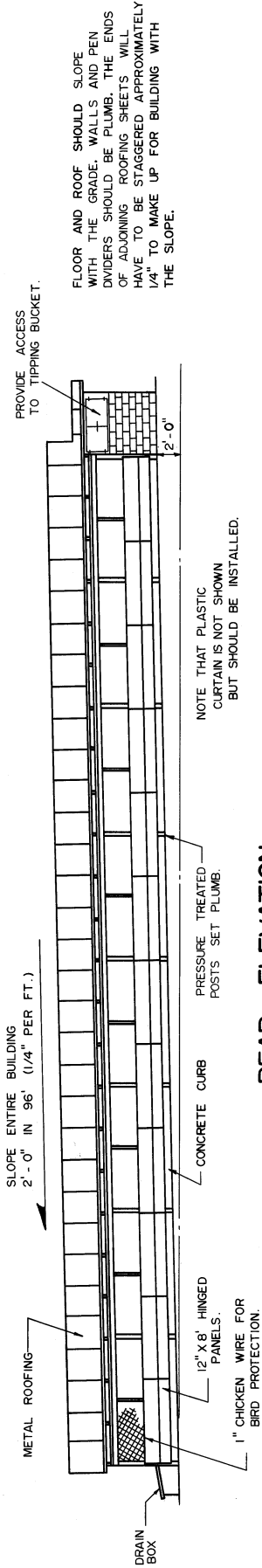


SECTION A-A

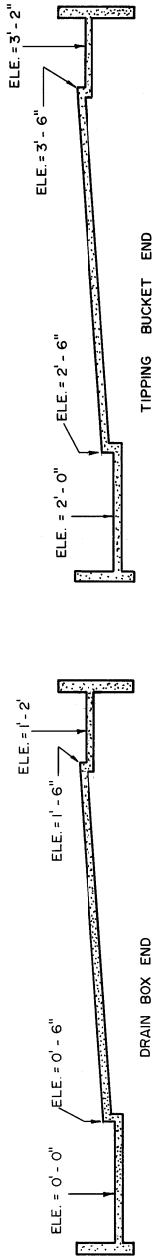
COOPERATIVE EXTENSION WORK IN AGRICULTURE AND HOME ECONOMICS
STATE OF TENNESSEE
UNIVERSITY OF TENNESSEE
AGRICULTURAL ENGINEERING DEPARTMENT
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

SWINE FINISHING FLOOR
WITH OPEN GUTTER FLUSH

TENN 25-JULY-88 SHEET 1 OF 2
GFG / DKC PLAN NO. T 4030



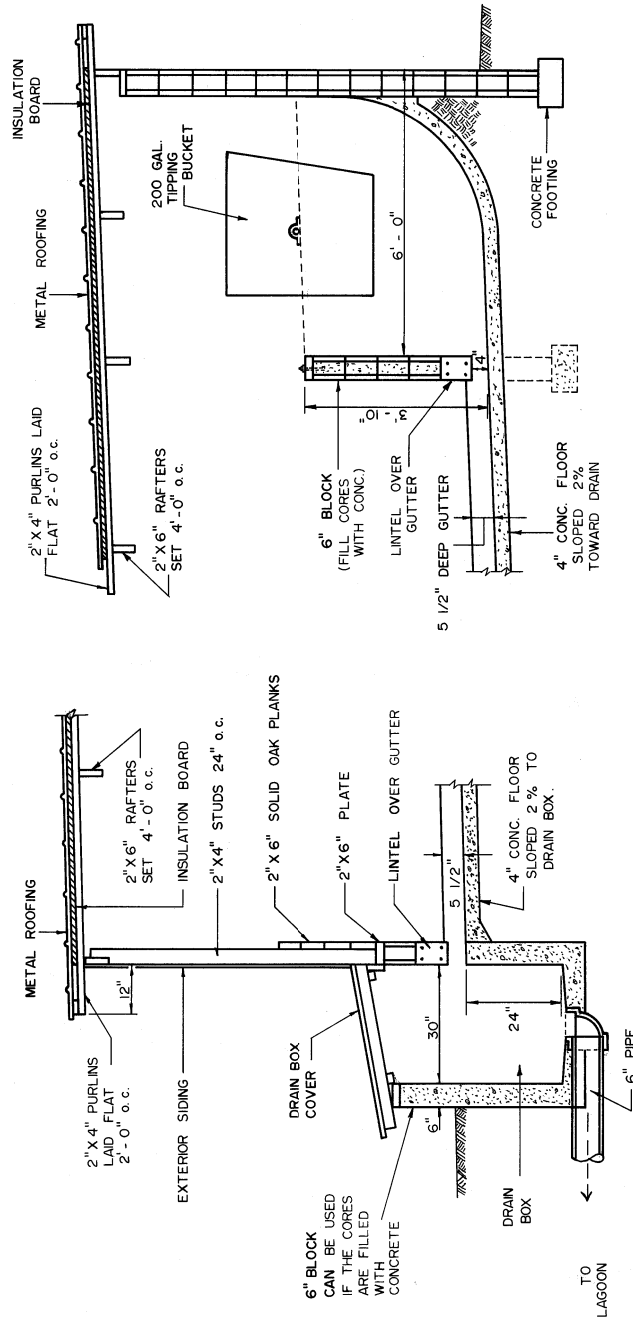
REAR ELEVATION



ELEVATIONS OF FINISHED CONCRETE FLOOR

CONCRETE FLOORS SHOULD BE FINISHED SMOOTH BUT NOT SLICK. AN ALUMINUM FLOAT FINISH IS SUGGESTED.

A 200 GALLON FREE SWINGING DUMP BUCKET IS RECOMMENDED FOR THIS FINISHING FACILITY. THE BUCKET SHOULD HAVE NO STOPS, SPRINGS, OR SHOCK ABSORBERS. THE BUCKET IS FREE TO ROTATE A FULL 360°. THE FREQUENCY OF FLUSH WILL DEPEND ON THE WATER FLOW RATE INTO THE BUCKET.



SECTION B-B

SECTION C-C

BUCKET MOUNTING DETAIL

FLOOR AND ROOF SHOULD SLOPE WITH THE GRADE. WALLS AND PEN DIVIDERS SHOULD BE PLUMB. THE ENDS OF ADJOINING ROOFING SHEETS WILL HAVE TO BE STAGGERED APPROXIMATELY 1/4" TO MAKE UP FOR BUILDING WITH THE SLOPE.

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SWINE FINISHING FLOOR WITH OPEN GUTTER FLUSH

TENN. JULY 1988 SHEET 2 OF 2
GFG / DKC PLAN NO. T4030