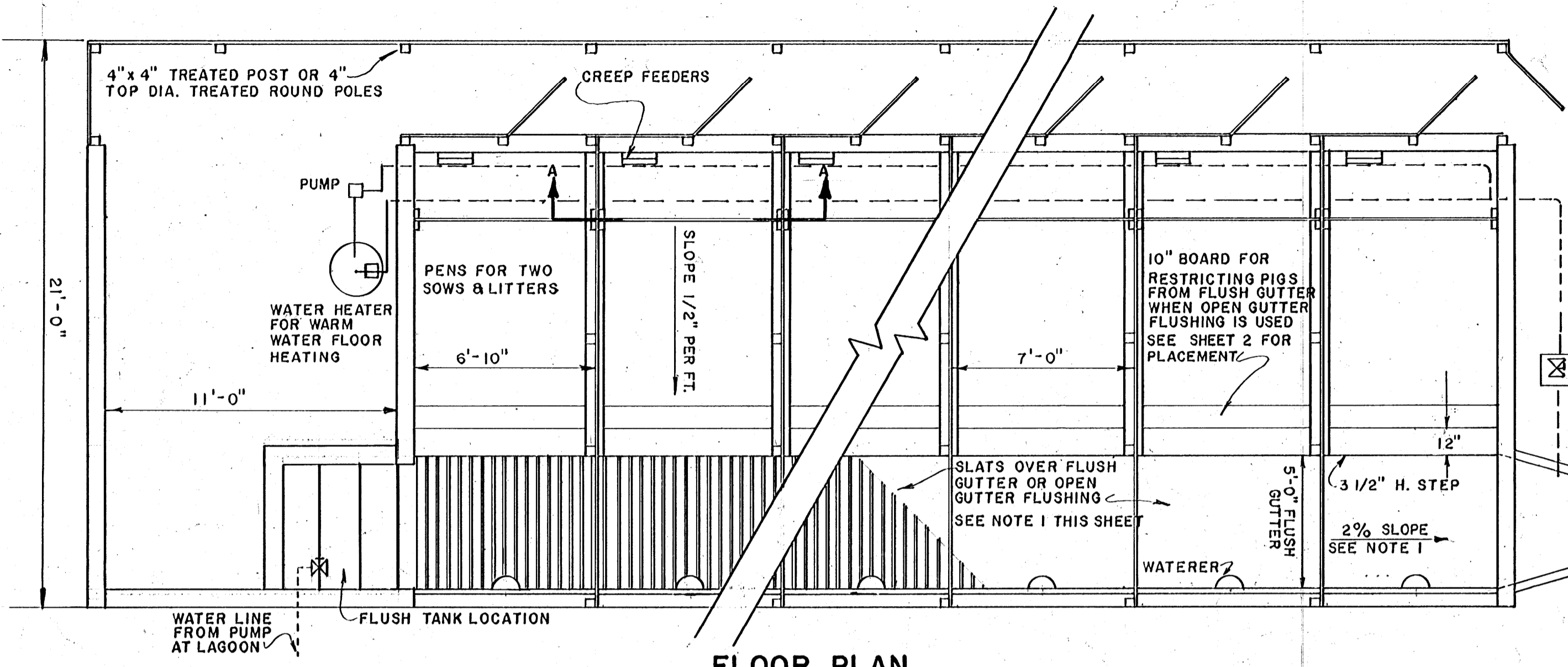
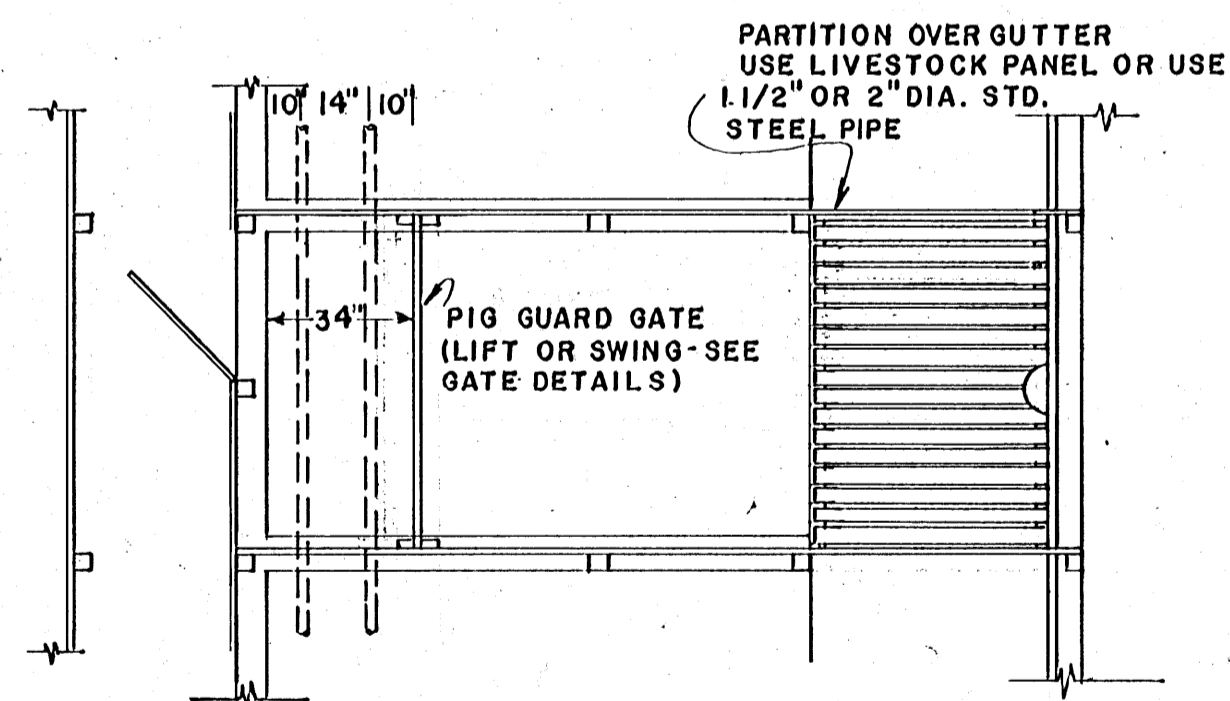


NOTE 1. APPROXIMATELY A 2% SLOPE MUST BE MAINTAINED FOR GOOD CLEANING OF THE FLUSH GUTTER. GUTTER LENGTH - THIS DESIGN WILL CLEAN A GUTTER UP TO APPROXIMATELY 125' LENGTH. FOR GREATER LENGTH, USE 2 FLUSH TANKS AND FLUSH AT EACH END WITH COLLECTING BASIN IN THE CENTER. OPEN GUTTER - THE LENGTHWISE BUILDING SLOPE MUST BE THE SAME AS THE GUTTER SLOPE TO MAINTAIN THE 3-1/2" H. STEP. SLATS OVER GUTTER - THE LENGTHWISE BUILDING SLOPE CAN BE NONE OR AS MUCH AS THE GUTTER. (THERE SHOULD BE SOME SLOPE TO PREVENT AN EXCESSIVE GUTTER DEPTH AT THE DISCHARGE END.) NOTE 2. USE CURB WHEN BOARDS ARE USED AS PARTITION MATERIAL. CURBS CAN BE OF VARIOUS SIZE CONCRETE BLOCKS. IF BLOCKS ARE USED, BOND TO FLOOR WITH MORTAR AND FILL ALL CELLS WITH CONCRETE. A 4" x 4" POURED CONCRETE CURB IS PREFERRED. NOTE 3. THE PENS CAN HANDLE 20 - 25 EARLY WEANED PIGS, IN A WEIGHT RANGE OF 20 - 60 LBS. IF USED LIKE THIS, THE LIFT GATE CAN BE OMITTED.

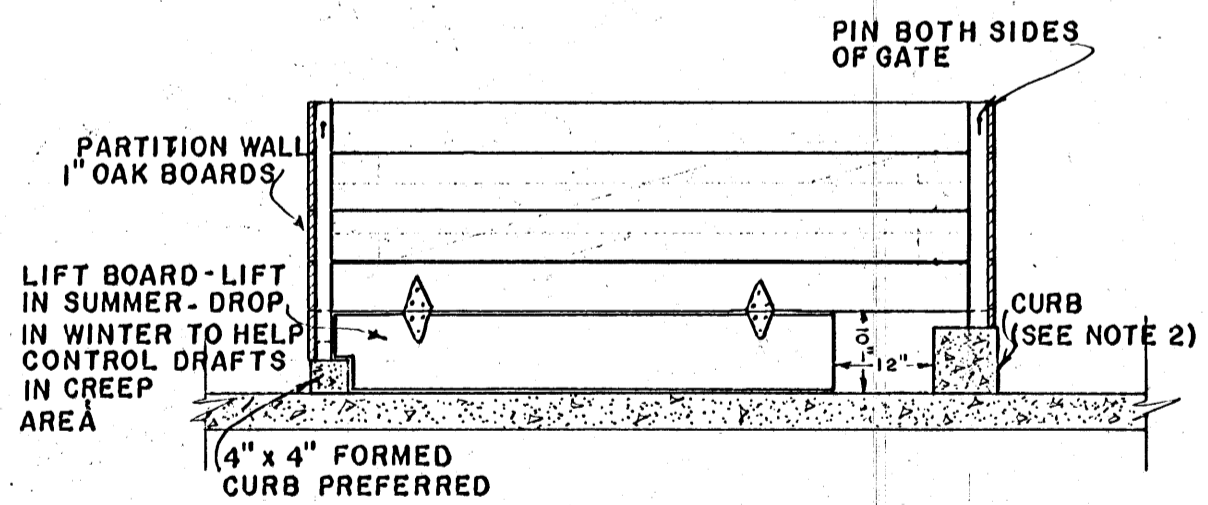


**FLOOR PLAN**

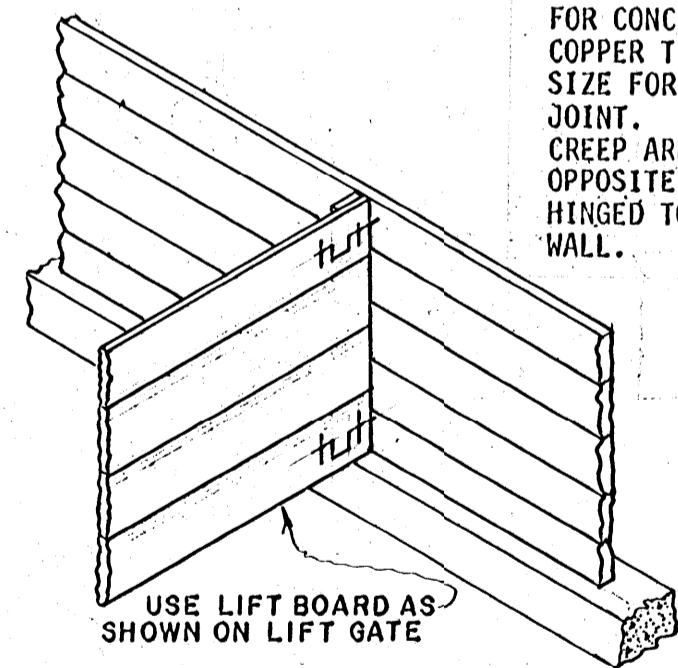
SCALE: 1/4" = 1'-0"



TYP. PEN DETAIL

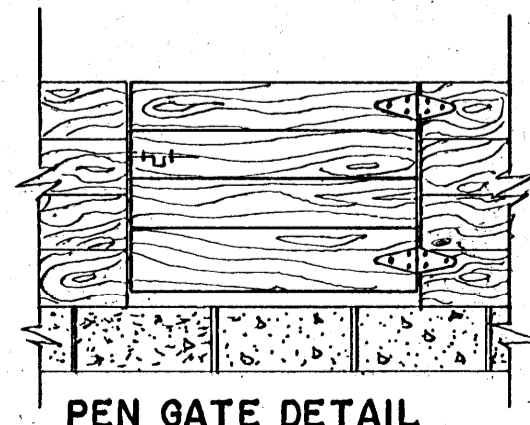


SECT. A-A LIFT GATE DETAIL



HINGED GATE DETAIL

USE SLIDE BOLT - TOP & BOTTOM - DRILL HOLE THROUGH WOOD PARTITION. FOR CONCRETE, LAY SHORT COPPER TUBING OF CORRECT SIZE FOR BOLT IN MORTAR JOINT. (PLACE BOLTS ON CREEP AREA SIDE OF PEN.) OPPOSITE END OF GATE IS HINGED TO PARTITION WALL.



PEN GATE DETAIL

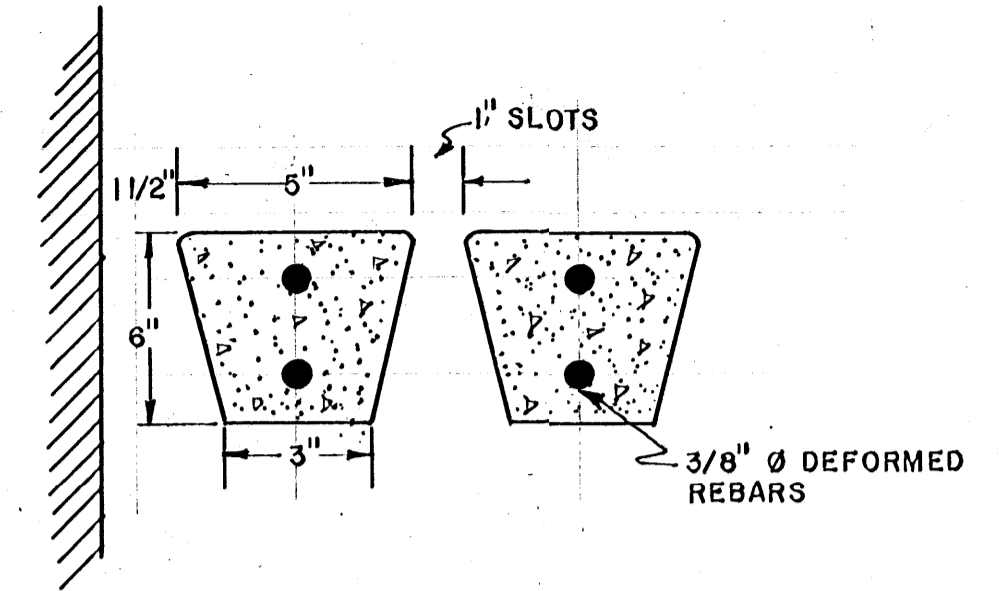
HOG NURSERY DETAILS		PL. NO. 6073-B
HOG NURSERY HOUSES - FLOOR HEATING - OPEN GUTTER FLUSHING - SLAT TYPE FLUSHING - 2 SOWS & LITTER PER PEN		
 <small>MISSISSIPPI COOPERATIVE EXTENSION SERVICE MISS. STATE UNIVERSITY USDA and COUNTIES COOPERATING</small>	DESIGN BY: LEE MILLER	SHEET 1 OF 3
	DATE: APRIL, 1978	

EXPOSED SURFACE  
5/8" TYPE AC DFPA  
PLYBOARD OR GALVANIZED  
SHEET. USE 1"-2"  
POLYETHYLENE BACKED  
FIBERGLASS INSULATION  
BETWEEN SIDING & STUDS

8" H. CURB WITH STUD CONST.  
ABOVE

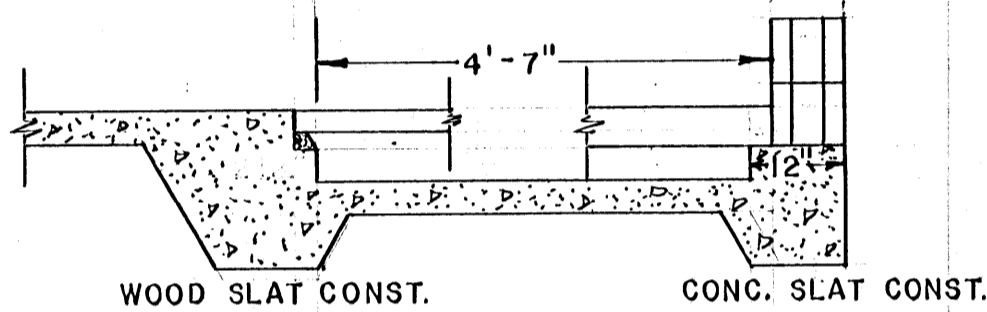
CONCRETE BLOCKS TO  
32" H. WITH STUD  
CONSTRUCTION ABOVE

DROP DOWN DOORS  
OR WINCH OPERATED  
PLASTIC DROP  
CURTAIN



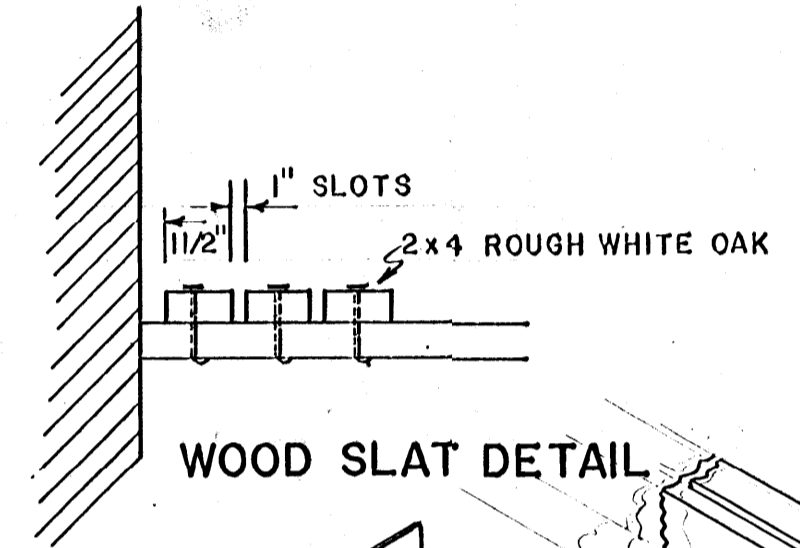
CONCRETE SLAT DETAIL

END SECTION - ELEVATION SHOWING DIFFERENT  
METHODS OF END WALL CONSTRUCTION

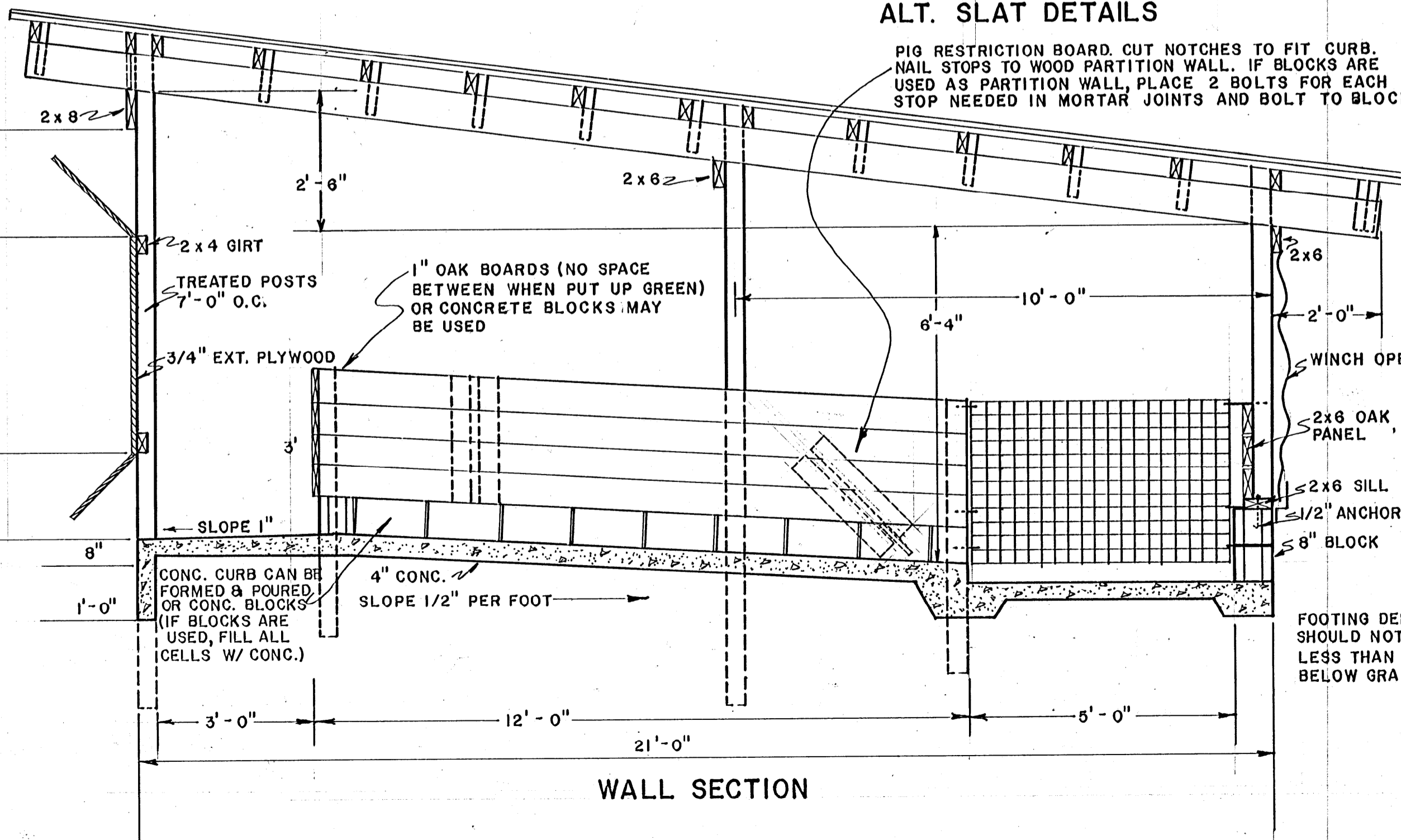


ALT. SLAT DETAILS

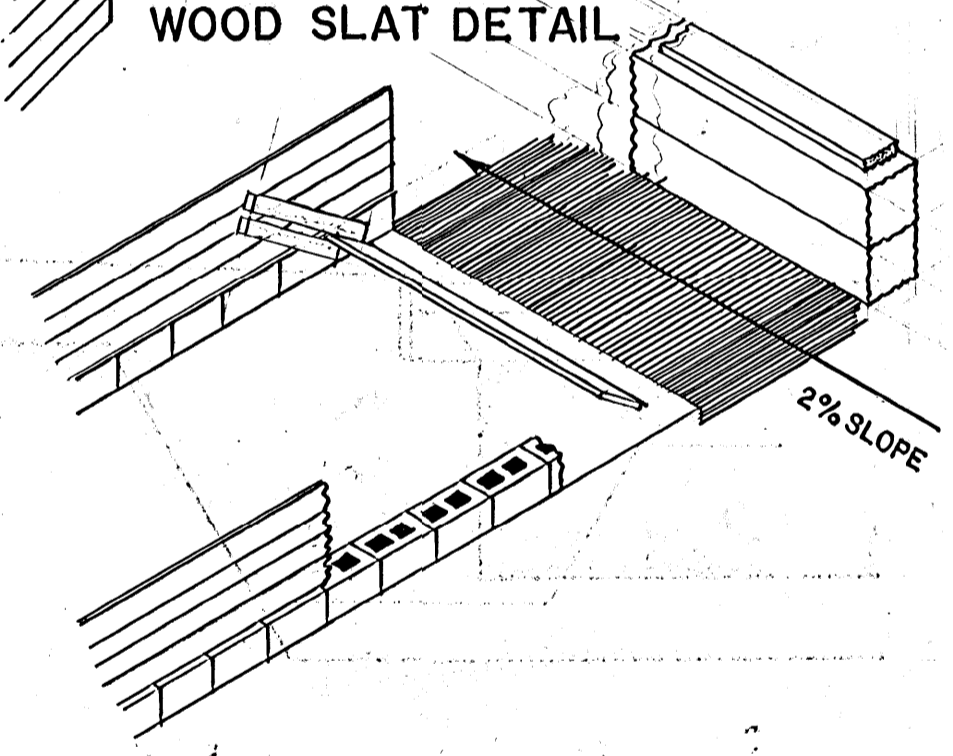
1/2" RESTRICTION BOARD. CUT NOTCHES TO FIT CURB.  
NAIL STOPS TO WOOD PARTITION WALL. IF BLOCKS ARE  
USED AS PARTITION WALL, PLACE 2 BOLTS FOR EACH  
STOP NEEDED IN MORTAR JOINTS AND BOLT TO BLOCKS.



WOOD SLAT DETAIL



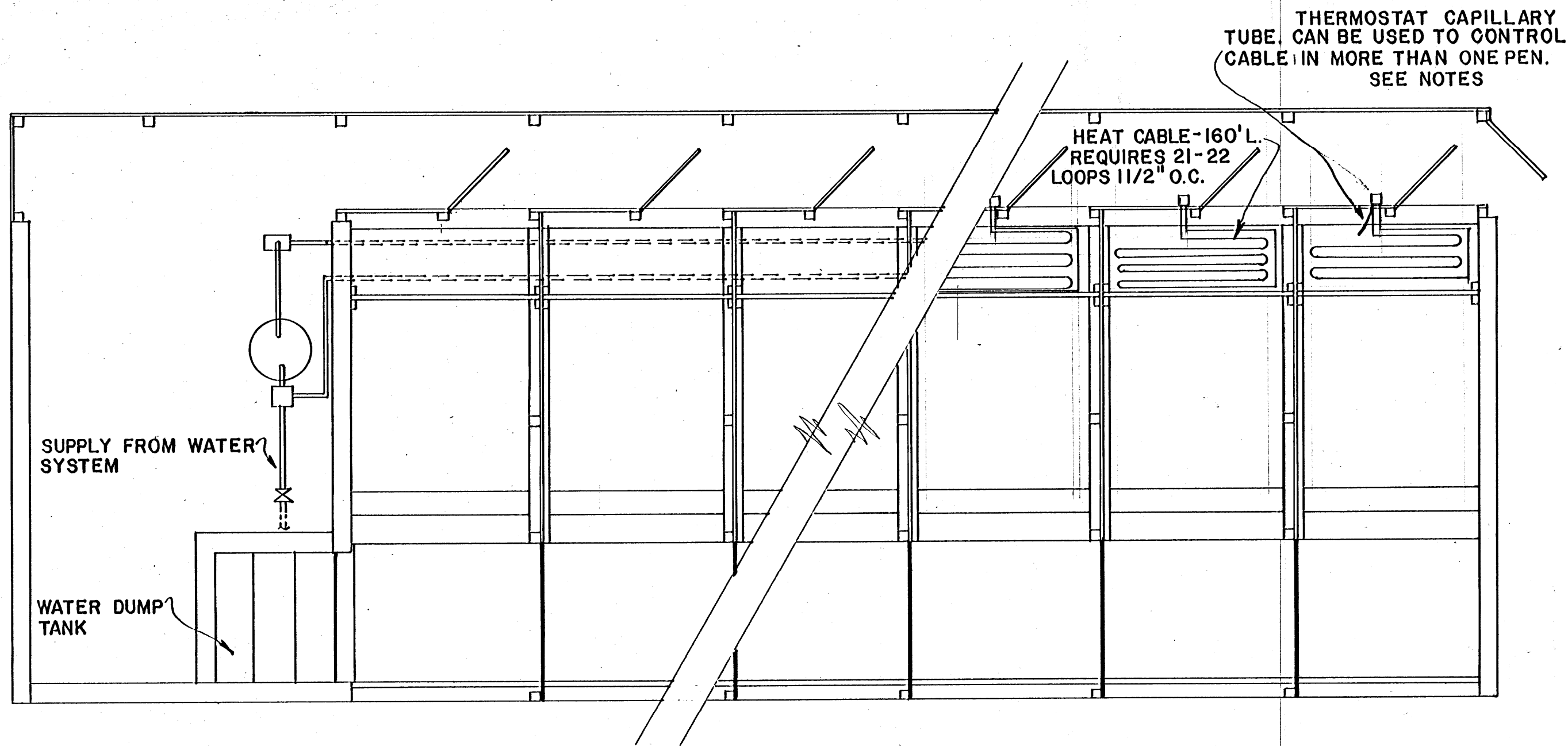
WALL SECTION



WOOD SPACER DETAIL

FOOTING DEPTH  
SHOULD NOT BE  
LESS THAN 12"  
BELOW GRADE

CROSS SECTION DETAILS		PL. NO. 6073-B
HOG NURSERY HOUSE - FLOOR HEATING - OPEN GUTTER FLUSHING - UNDER SLAT FLUSHING - 2 SOWS & LITTERS PER PEN		
	DESIGN BY: LEE MILLER	SHEET
	DRAWN BY: MIKE THRASHER	2
	DATE: APRIL, 1978	OF 3



THERMOSTAT CAPILLARY TUBE CAN BE USED TO CONTROL CABLE IN MORE THAN ONE PEN. SEE NOTES

HEAT CABLE-160' L. REQUIRES 21-22 LOOPS 11/2" O.C.

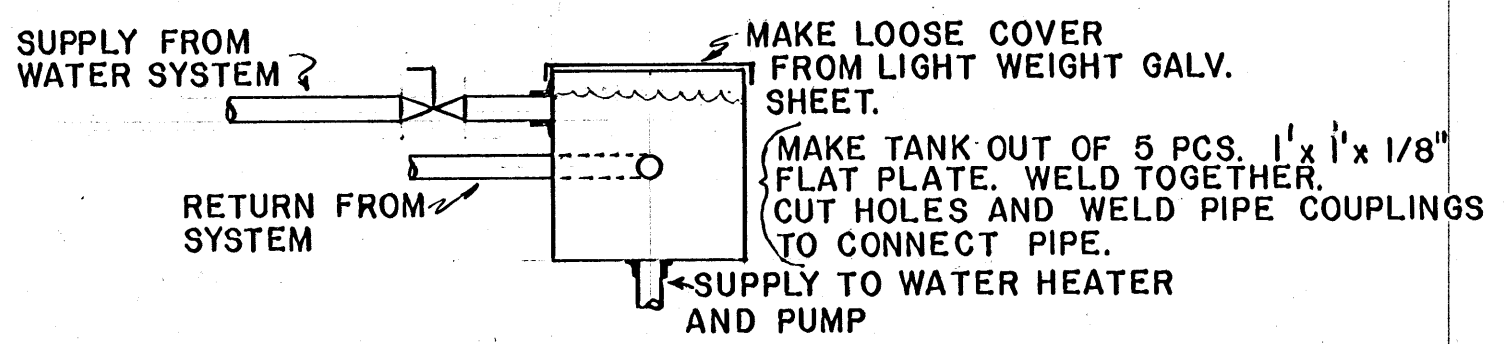
SUPPLY FROM WATER SYSTEM

WATER DUMP TANK

PIPING- 3/4" DIA. SOFT DRAWN TYPE K COPPER OR CPVC (CHLORINATED POLY-VINYL CHLORIDE) PLASTIC - 200 PSI

AIR CUSHION TANK. ALLOW 1 1/2 GAL. CAPACITY PER 10000 BTU CAPACITY OF WATER HEATER. SET THERMOSTAT AT 120° F. REGULATE AS NEEDED.

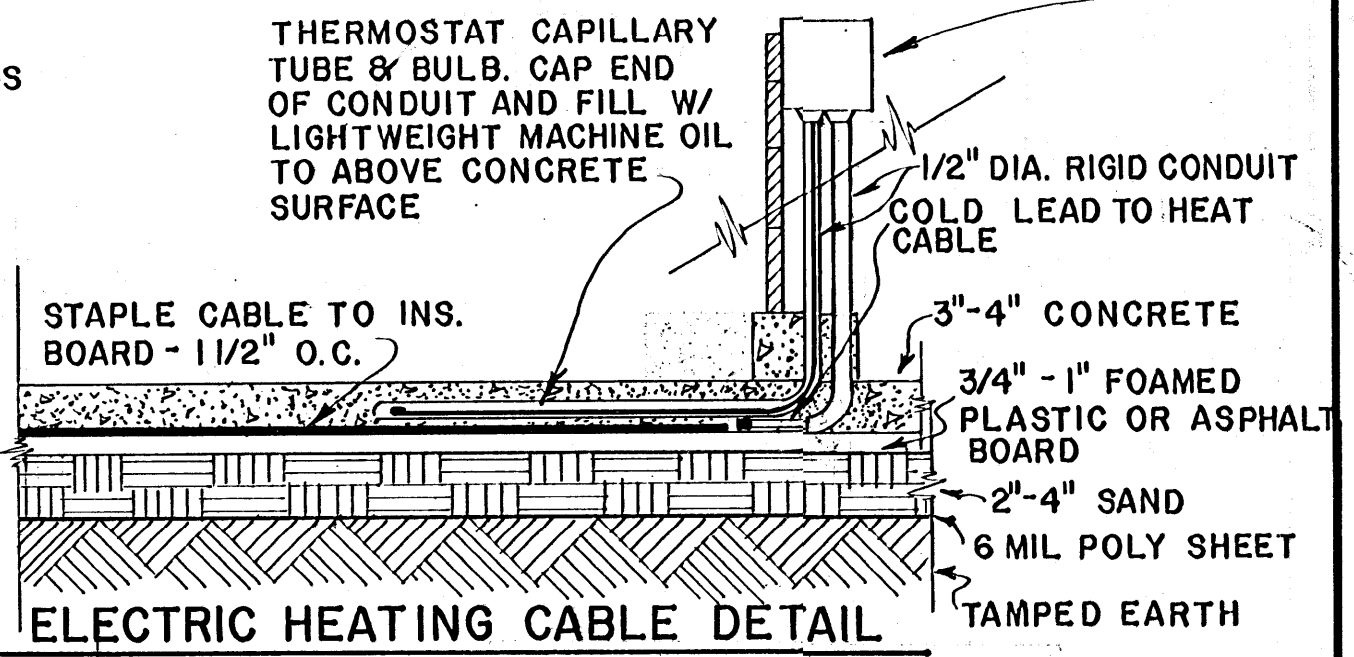
COLD WATER SUPPLY FROM WATER SYSTEM. OPEN SUPPLY VALVE AND RUN PUMP TO ELIMINATE AIR IN SYSTEM. THEN MAINTAIN TO 3/4 FULL IN AIR CUSHION TANK. KEEP COVER ON TANK TO PREVENT DUST & DEBRIS FROM FALLING INTO TANK.



C-SECTION AIR CUSHION TANK

CONTROL BOXES FOR THERMOSTAT AND POWER SUPPLY TO CABLES. MOUNT AT TOP OF END WALLS.

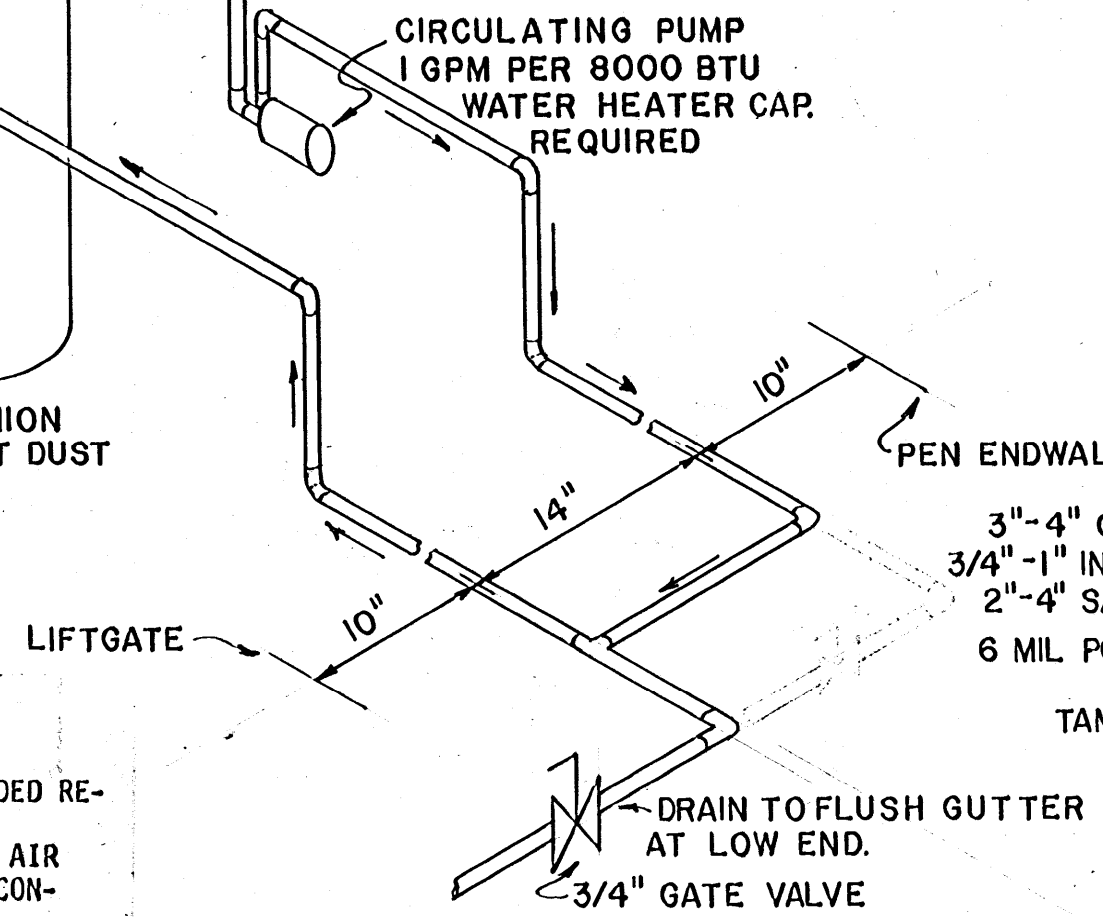
THERMOSTAT CAPILLARY TUBE & BULB. CAP END OF CONDUIT AND FILL W/ LIGHTWEIGHT MACHINE OIL TO ABOVE CONCRETE SURFACE



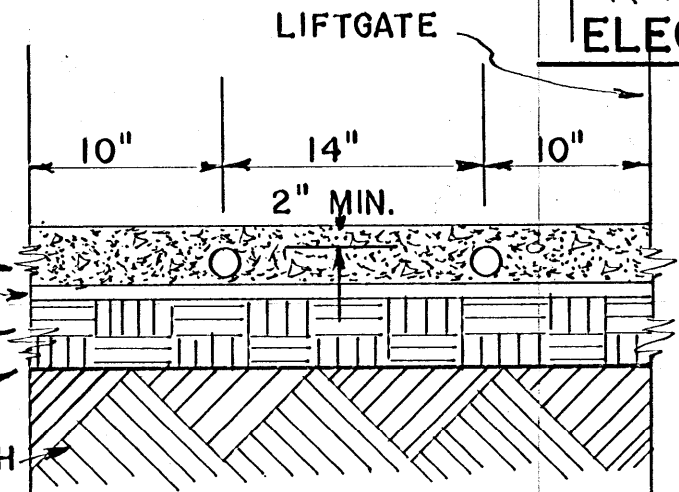
ELECTRIC HEATING CABLE DETAIL

NOTES

1. OUTLETS FOR HEAT LAMPS SHOULD BE PROVIDED REGARDLESS OF FLOOR HEATING SYSTEM USED.
2. CHECK PIPE HEATING SYSTEM WITH 150 PSI AIR FOR 24 HOURS FOR LEAKS BEFORE PLACING CONCRETE OVER PIPES.
3. TOTAL FEET OF HEATED PIPE TIMES 60 BTU EQUALS TOTAL BTU OUTPUT OF HEATER NEEDED.



PIPING SCHEMATIC NOT TO SCALE



WARM WATER PIPING DETAIL NOTES

1. WATER HEATER THERMOSTAT SET ON 120°F SHOULD GIVE APPROXIMATELY 85° SURFACE TEMP. ON SLAB.
2. HEAT LAMPS WILL BE NEEDED IN EXTREME COLD IN ADDITION TO PIPE SYSTEM
3. CHECK SYSTEM FOR LEAKS BEFORE PLACING CONCRETE. (AIR @ 150 PSI FOR 24 HOURS.)

NOTES

1. THERMOSTAT CAN CONTROL HEAT CABLE IN MORE THAN ONE PEN - NOT TO EXCEED THE RATED HEAT LOAD - SWITCH CONTROL EACH CABLE UNIT.
2. HEAT LAMPS WILL BE NEEDED IN EXTREME COLD IN ADDITION TO THE HEAT CABLE.
3. CHECK CONTINUITY OF CABLE BEFORE PLACING CONCRETE.
4. AVOID STRIKING CABLE WITH SHARP EDGES.
5. SET THERMOSTAT AT DESIRED TEMPERATURE.

FLOOR HEATING SYSTEM DETAILS		PL. NO. 6073-B
HOG NURSERY HOUSE - FLOOR HEATING - OPEN GUTTER FLUSHING - UNDER SLAT FLUSHING 2 SOWS & LITTERS PER PEN		
	DESIGN BY: LEE MILLER	SHEET
	DRAWN BY: MIKE THRASHER	3
DATE: APRIL, 1978	OF 3	