

THAT CONCEPTION RATES CAN DROP BELOW 50% DURING LATE SUMMER IF THE PRODUCER DOES NOT TAKE STEPS TO KEEP HIS SOWS AND BOARS COOL. NEAR TOTAL CONTROL OF THE ENVIRONMENT SHOULD PREVENT MONTHLY VARIATIONS IN SREEDING CALLS FOR EVAPORATIVE COOLING PADS BE INSTALLED TO MODERATE THE EXTREME HOT SUMMER WEATHER RESEARCH HAS SHOWN LY FAN VENTILATED WITH BOTH VARIABLE SPEED AND SWIGLE SPEED FANS, SUPPLEMENTAL HEAT IS PROVIDED TO MAINTAIN A MINIMUM WINTER TEMPERATURE OF 55"TO 60" IN ADDITION , THE DESIGN THIS PLAN IS FOR A 28'x (54' BUILDING HOUSING IT SESTATION STALLS FOR BOARS AND 5 PENS FOR BUILS READY FOR BREEDING AND YOUNG BOARS. THE BUILDING IS COMPLETE. PERFORMANCE FROM ENVIRONMENTAL CAUSES

CAN BETTER CONTROL FEED INTAKE AND SHOULD HAVE FEWER PROBLEMS THAT ARE NORMALLY ASSOCIATED WITH FIGHTING AND GROUP HANDLING OF SOWS PRODUCTIVE LONGER WHEN CONFINED TO STALLS. THE PRODUCER AND BOAR, RESEARCH HAS SHOWN THAT ANIMALS REMAIN THE PLAN CALLS FOR DESTATION STALLS FOR THE SOWS

THE BREEDING AREA IS DESIGNED TO ACCOMMODATE HAND MATING WITH A MINIMUM OF LABOR, EACH ESTRUS SOW IS BACKED FROM HER STALL INTO THE BREEDING AREA MMEDIATE-BJH ONINGO AT

THE BREEDING AREA IS GATED SO THAT 5 MATHOS MAY TAKE PLACE AT DNCE IT SHOULD BE VERY MINDLE FOR A PRODUCER TO CEXAMS EXPENSION WITHIN A GROUP TO A BOAR TWICE DAILY FROM MEANING DITL MATING THE NUMBER OF BOAR STALLS MAY SEEM EXCESSIVE HOWEVER, DIRECT BOAR-SOW CONTACT SHOULD HAXTEN THE OWST OF ESTRUS AND MANY BREEDING PROBLEMS OBSERVED IN THE FIELD HAVE BEEN DUE TO INSUFFICIENT BOAR POWER.

ELECTRICAL POWER OUTAGES

OUTAGE, WHEN THE VENTILATION FANS STOP TO AVOID POSSIBLE PROBLEMS AN ENCLOSED SWINE BUILDING SHOULD BE EQUIPMED WITH AN AUTOMATIC WARRING SYSTEM TO ALERT YOU WHEN A POWER FAILURE HAS OCCURED AND A STANDBY ELECTRICAL GENE-ENCLOSED SWINE BUILDING DURING AN-ELECTRICAL POWER RATOR SHOULD BE AVAILABLE. SERIOUS PROBLEMS CAN BE ENCOUNTERED IN TOTALLY

THERMOSTAT ADJUSTMENT

ING TEMPERATURE TO VARY FROM A MINIMUM OF 50°F IN THE WINTER TO A MAXIMUM OF 85°F IN THE SUMMER. THE THERMOSTAT SETTINGS GIVEN ABOVE ALLOW THE BUILD-

		THERMOSTAT	90		NORMAL SETTING
(m) (D)	WO)	3dM31	HAT	B (LOW TEMPERATURE OUT OFF)	9 9 7
OPB	135	POINT	2	B (SET POINT ON VARIABLE SPEED CONTROLLER) A C	7 0 F F F F F F F F F F F F F F F F F F
9	G PAD	GWD _d	9	ILING PAD FUMP AND MOTORIZED SHUTTER	BOFF
m	CHEC	X THE	4 10	E. CHECK THE AIR TEMPERATURE AT THE LEVEL OF THE PIGS. AND ADJUST THE THERMOSTATS IF YOR READING IS SUB-	OF THE PIGS
	MATE	TIALLY	9	TERENT FROM THE DESIRED	TEMPERATURE

FAN FAN

0.50 CUBIC FEET OF STORAGE PER DAY PER SOW THIS FACILITY PROVIDES 30 DAYS OF MANURE STORAGE PER USEFUL FOOT OF PIT DEPTH, 90 DAYS STORAGE TOTAL WASTE STORAGE REQUIREMENTS

DOES NOT APPLY TO COOKING PAD PUMP THERMOSTAT

NOTE: TWO FEET OF PIT DEPTH IS GENERALLY NOT CONSIDERED ARE NOT REMOVED DURING CLEANING AND THE LIQUID LEVEL SHOULD NOT BE ALLOWED WITHIN ONE FOOT OF THE BOTTOM OF THE SLATS. USABLE STORAGE VOLUME BECAUSE SOME OF THE SOLIDS

MAXIMUM IS OFW PER SOW DESIGN YENTILATION RATES AND SUPPLEMENTAL HEAT

SUPPLEMENTAL HEAT 420 BTU PER HOUR PER SOW

FEED AND WATER REQUIREMENTS

WATER - 4.5 GAL PER DAY PER SOW 675 GAL PER DAY TOTAL FEED - 4 # PER SOW PER DAY+4200# TOTAL PER WEEK MINIMUM PUMPING RATE - B GAL PER MINUTE

WATER LINES

WATER LINES ARE GENERALLY INSTALLED BY ATTACHING THEW BELOW THE CEILING.

SLAT TOP WIDTH - 5 INCH MAXIMUM

228 PC 10 PC 1620 BF 1620 BF 1620 SQ FT 1530 SQ FT	ESTIMATED MATERIAL LIST: 1/2"EXT PLYWOOD 3/8"EXT PLYWOOD 1/8"EXT PLYWOOD 1/8"EXT PLYWOOD 1/8"EXT PLYWOOD 28' TRUSSES; 28' TRUSSES (4/72 PTCH) 6" LIGHT WEIGHT CONCRETE BLOCK 12" STANDARD WEIGHT CONCRETE BLOCK 12" WEIGHT CONCRETE BLOCK 12" STANDARD WEIGHT CONCRETE BLOCK 12" WEIGHT CONCRETE BLOCK 12" STANDARD WEIGHT CONCRETE BLOCK 12" STANDARD WEIGHT CONCRETE BLOCK 12" WEIGHT CONCRETE BLOCK 12" WEIGHT CONCRETE BLOCK 12" WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT WEI
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COOLING PAD SYSTEM

IT IS IMPORTANT THAT YOU CONTACT THE PAD MANU-FACTURES FOR DETAILED DESIGN ASSISTANCE AND PRO-PER INSTALLATION PROCEDURE

AGRICULTURE AND HOME ECONOMICS

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