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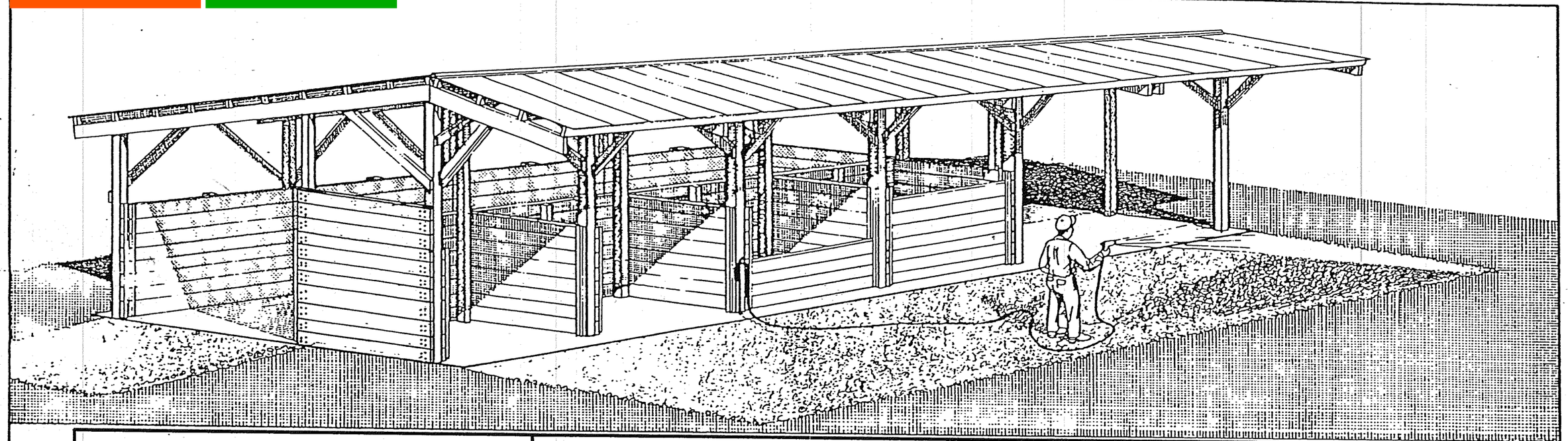

GROWING-FINISHING UNIT

ASSUMPTIONS
MORTALITY AVERAGES 3%
GROWOUT FROM 40 lb TO 240 lb HOG
2.75 BATCHES PER YEAR (17 WEEKS IN, 2 WEEKS OUT)

AVERAGE DEATH LOSS PER BATCH
2678 POUNDS OF CARCASS PER 625 ANIMALS FINISHED
4280 POUNDS OF CARCASS PER 1000 ANIMALS FINISHED

AVERAGE DEATH LOSS PER YEAR
7360 POUNDS OF CARCASS PER 625 HEAD CAPACITY
11,770 POUNDS OF CARCASS PER 1000 HEAD CAPACITY

NUMBER OF STANDARD SIZE PRIMARY BINS
2 BINS MINIMUM, REGARDLESS OF FACILITY SIZE
1 BIN PER 625 HEAD CAPACITY
1.6 BINS PER 1000 HEAD CAPACITY

2500 HEAD CAPACITY = 4 PRIMARY BINS
5000 HEAD CAPACITY = 8 PRIMARY BINS
7500 HEAD CAPACITY = 12 PRIMARY BINS
10000 HEAD CAPACITY = 16 PRIMARY BINS

ADD EXTRA BINS TO ALLOW FOR OPERATING ERRORS AND CATASTROPHIC LOSSES OR BE PREPARED TO OCCASSIONALLY BURY HOGS.

SECONDARY BIN SPACE = 80% TO 100% OF PRIMARY BIN SPACE

MIDDLE OR P2 UNIT

ASSUMPTIONS
MORTALITY AVERAGES 3%
GROWOUT FROM 10 lb TO 60 lb HOG
7 BATCHES PER YEAR (6 WEEKS IN, 2 WEEKS OUT)

AVERAGE DEATH LOSS PER BATCH
1400 POUNDS OF CARCASS PER 1600 ANIMALS FINISHED

AVERAGE DEATH LOSS PER YEAR
10,000 POUNDS OF CARCASS PER 1600 HEAD CAPACITY

NUMBER OF STANDARD SIZE PRIMARY BINS
2 BINS MINIMUM, REGARDLESS OF FACILITY SIZE

1600 HEAD CAPACITY = 2 PRIMARY BINS
3200 HEAD CAPACITY = 3 PRIMARY BINS
4800 HEAD CAPACITY = 4 PRIMARY BINS
6400 HEAD CAPACITY = 5 PRIMARY BINS

ADD EXTRA BINS TO ALLOW FOR OPERATING ERRORS AND CATASTROPHIC LOSSES OR BE PREPARED TO OCCASSIONALLY BURY HOGS.

SECONDARY BIN SPACE = 80% TO 100% OF PRIMARY BIN SPACE

FARROWING UNIT

ASSUMPTIONS
SOW AND BOAR MORTALITY AVERAGES 3%
AVERAGE WEIGHT ALL SOWS,BOARS, AND GILTS=375 POUNDS
19 LIVE PIGS BORN PER SOW/GILT PER YEAR
2 DEAD PIGS BORN PER SOW/GILT PER YAR
PIG MORTALITY AVERAGES 3%
PIG WEIGHT = 3 TO 40 POUNDS

AVERAGE DEATH LOSS PER YEAR PER 100 SOWS
1200 POUNDS, SOWS, BOARS, GILTS
600 POUNDS FETUS
1200 POUNDS PIGS

NUMBER OF STANDARD SIZE PRIMARY BINS
2 BINS MINIMUM, REGARDLESS OF FACILITY SIZE
1 BIN PER 150 SOW CAPACITY

ADD EXTRA BINS TO ALLOW FOR OPERATING ERRORS AND CATASTROPHIC LOSSES OR BE PREPARED TO OCCASSIONALLY BURY HOGS.

SECONDARY BIN SPACE = 80% TO 100% OF PRIMARY BIN SPACE

REV. 3-28-95

____ BIN SWINE COMPOSTER COVER SHEET		
PLAN NO. 942003	COOPERATIVE EXTENSION SERVICE	COVER SHEET
STANDARD DRAWING NO. AR-ENG-152	NATURAL RESOURCES CONSERVATION SERVICE	COVER SHEET
University of Arkansas	U S. Department of Agriculture Cooperating	

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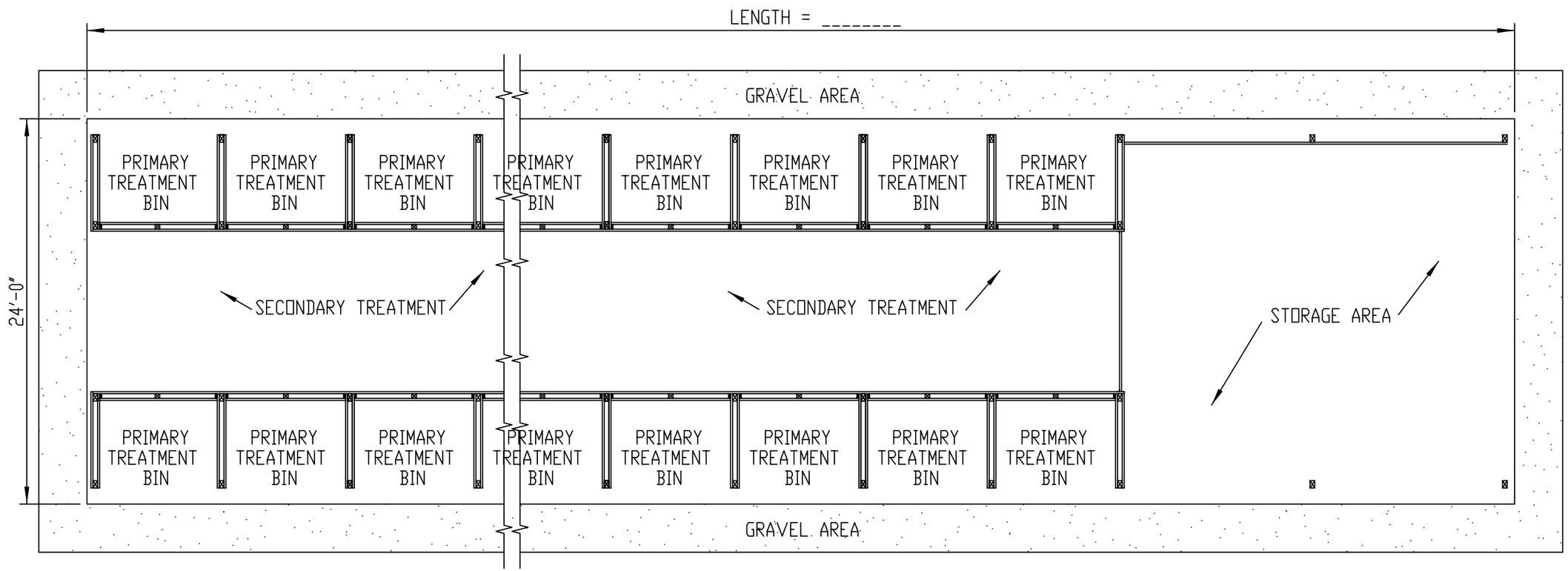


LENGTH DIMENSION

6 BIN = 49'-0"

8 BIN = 57'-0"

10 BIN = 65'-0"

12 BIN = 73'-0"

14 BIN = 81'-0"

16 BIN = 89'-0"

FLOOR PLAN

7 0 7 14

SCALE IN FEET

6-16 BIN COMPOSTER

NOTE: See sheet 2 of 3 for standard dimensions & details.

REV. 3 - 28 - 95

_____ BIN COMPOSTER

FLOOR PLAN

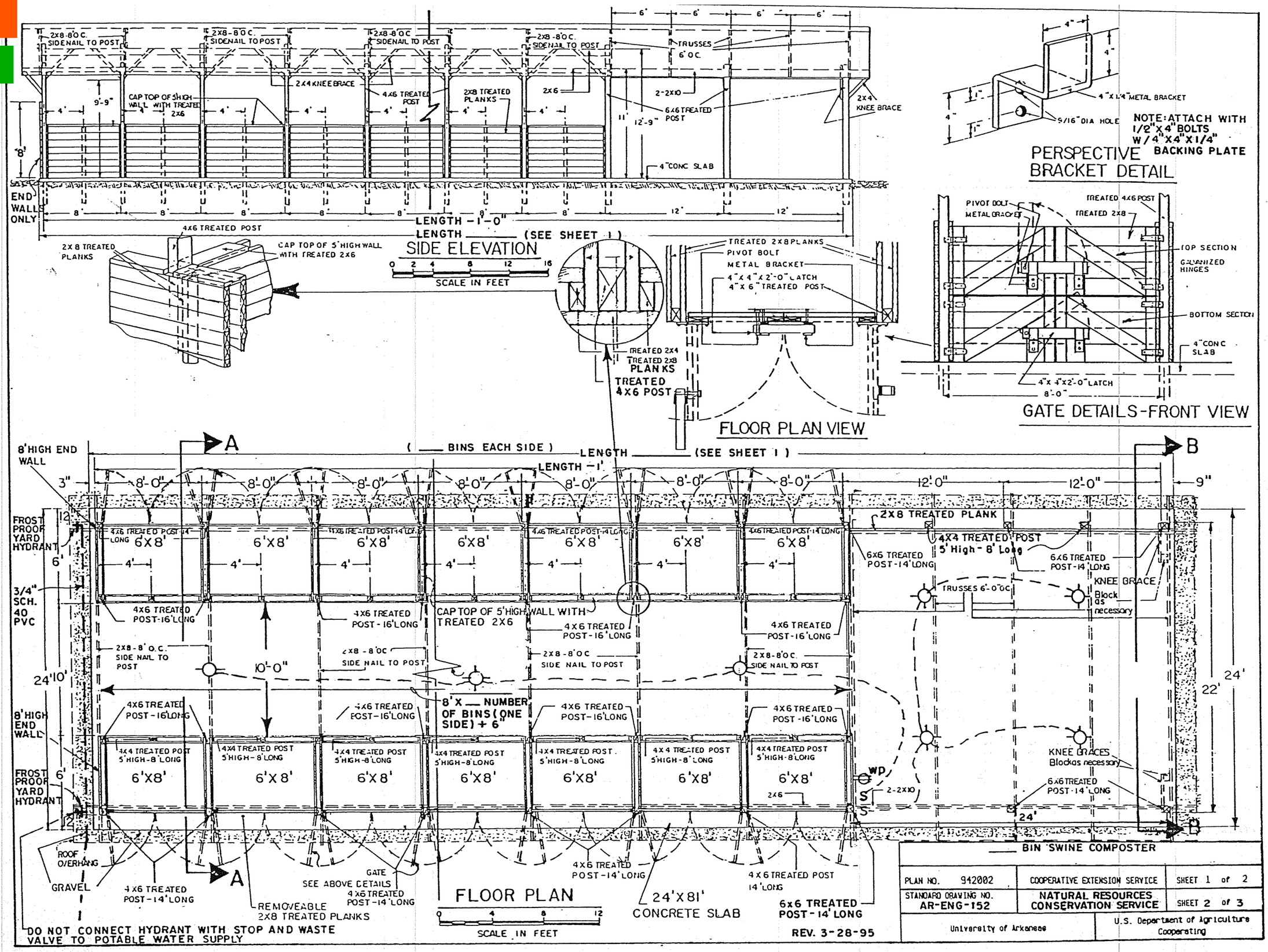
U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Designed Date Approved by
Drawn Title
Traced Title
Checked Sheet No 1 of 3 Drawing No. AR-ENG-152

CAD FILE = AR-152S1.2D

Clear Form

Print Form



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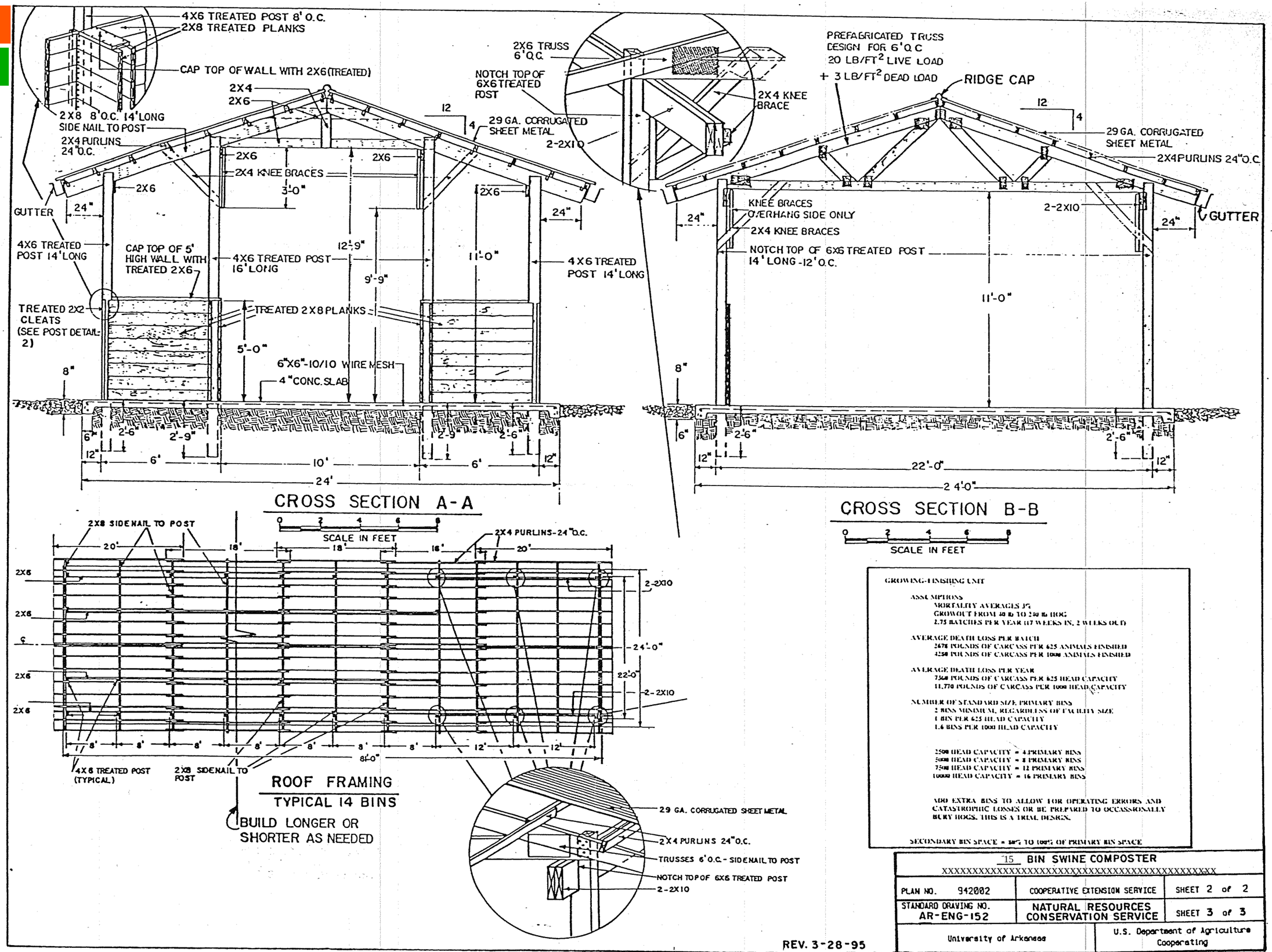

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ADD EXTRA BINS TO ALLOW FOR OPERATING ERRORS AND CATASTROPHIC LOSSES OR BE PREPARED TO OCCASSIONALLY BURY HOGS. THIS IS A TRIAL DESIGN.

SECONDARY BIN SPACE = 50% TO 100% OF PRIMARY BIN SPACE

15 BIN SWINE COMPOSTER		
PLAN NO. 942002	COOPERATIVE EXTENSION SERVICE	SHEET 2 of 2
STANDARD DRAWING NO. AR-ENG-152	NATURAL RESOURCES CONSERVATION SERVICE	SHEET 3 of 3
University of Arkansas		U.S. Department of Agriculture Cooperating