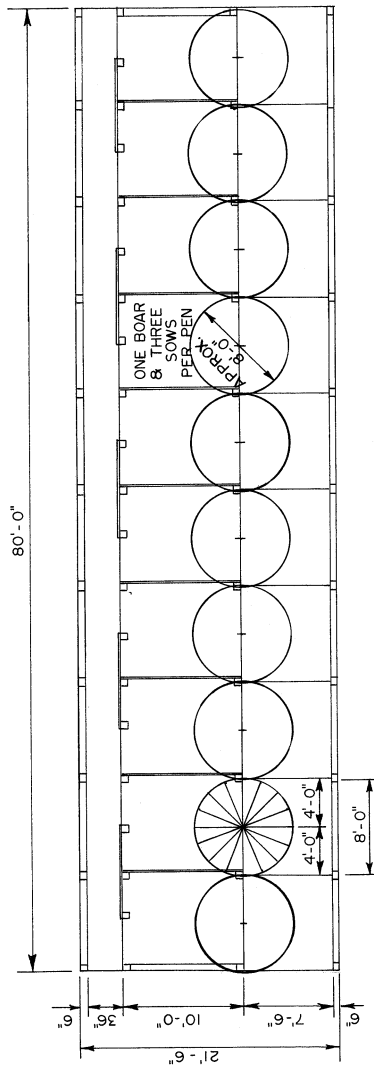
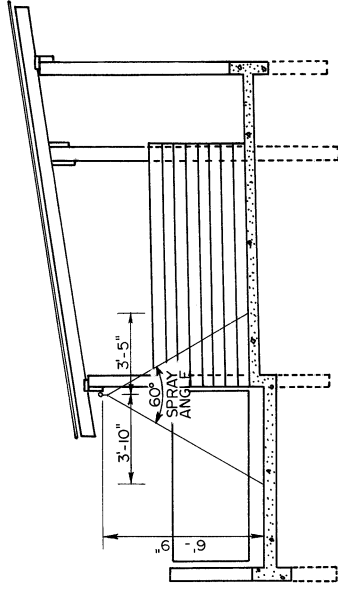


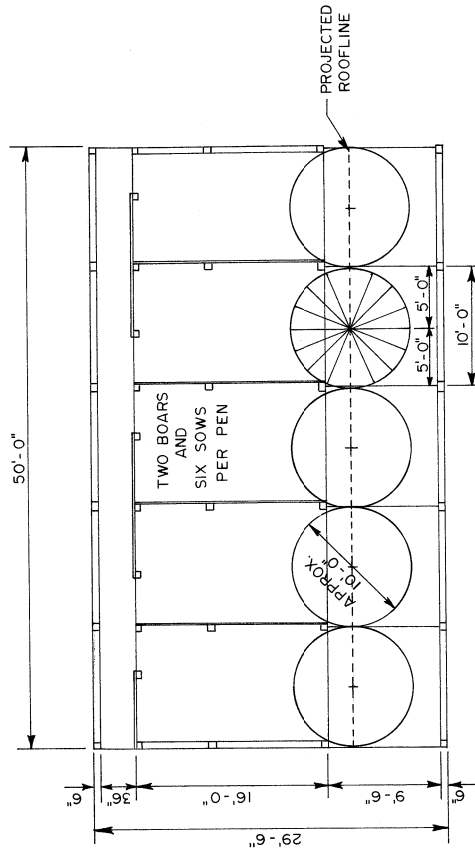


NOZZLE LOCATION AND SPRAY PATTERN
PLAN No. T4102

NOTE:
USE ONE "SPRAYING SYSTEMS"
NOZZLE No. TGO.5 PER PEN
(.10 GALS. PER MIN. @ 40 PSI)
FOR PLAN No. T4102.

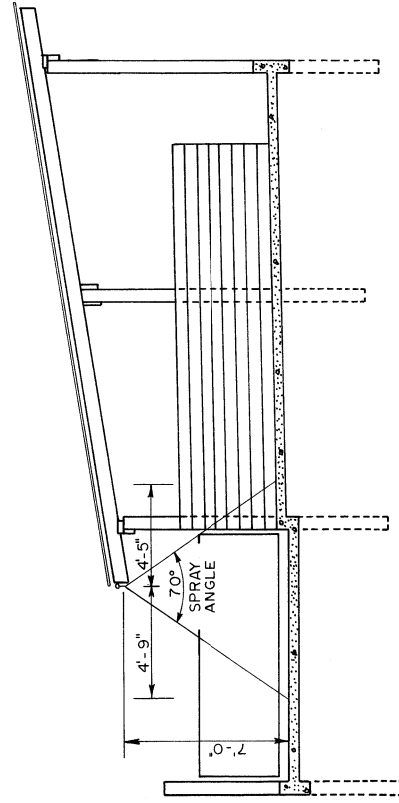


NOZZLE HEIGHT - PLAN No. T4102



NOZZLE LOCATION AND SPRAY PATTERN
PLAN No. T4103

NOTE:
USE ONE "DELEVAN" NOZZLE
No. CE 1 PER PEN (.20 GALS.
PER MIN. @ 40 PSI) FOR
PLAN No. T4103.



NOZZLE HEIGHT - PLAN No. T4103

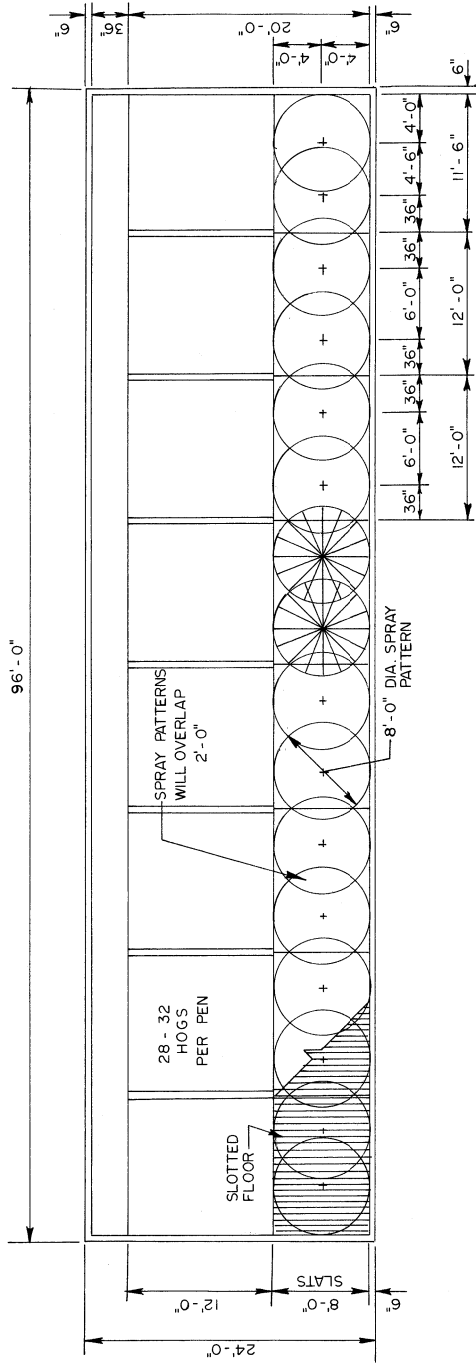
NOTE:
THE HEIGHT OF THE NOZZLE TIP ABOVE THE
FLOOR IS CRITICAL FOR THE PROPER SPRAY
PATTERN. THE PROPER HEIGHT DEPENDS
ON THE TIP SPRAY ANGLE.

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

SPRINKLER COOLING
SYSTEM FOR SWINE

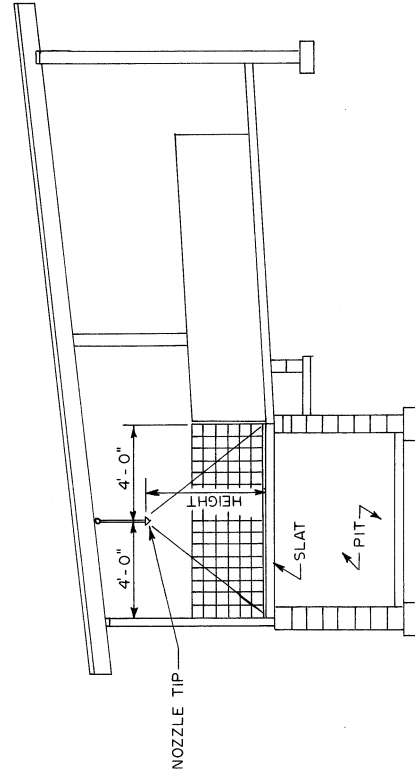
TENN.	4-10-84	SHEET 1 OF 3
GFG/LCS	PLAN NO.	T 4065

(REVISED 4/10/84)

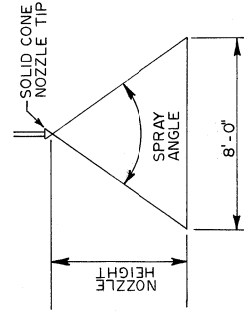


NOZZLE LOCATION & SPRAY PATTERN
PLAN No. T4024

NOTE
THE HEIGHT OF THE NOZZLE TIP
ABOVE THE FLOOR IS CRITICAL
FOR THE PROPER SPRAY PATTERN.
THE PROPER HEIGHT DEPENDS
ON THE TIP SPRAY ANGLE.



NOZZLE HEIGHT - PLAN No. T4024



SPRAY ANGLE	HEIGHT	
55°	92"	← TG-1
60°	83"	
65°	75"	← CE-1
70°	68.5"	
75°	62.5"	← WL 1/4-80
80°	57"	
85°	52"	
90°	48"	

NOTE: TWO NOZZLE TIPS PER PEN. EACH TIP SHOULD
USE
DELIVER APPROXIMATELY 20 GALS. PER MINUTE @
40 PSI. USE "SPRAYING SYSTEMS" No. TG-1, O. OR
"DELEVAN" No. CE-1 OR "BETE" No. WL 1/4-80
OR EQUAL.

COOPERATIVE EXTENSION WORK IN
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STATE OF TENNESSEE
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AGRICULTURAL ENGINEERING DEPARTMENT
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

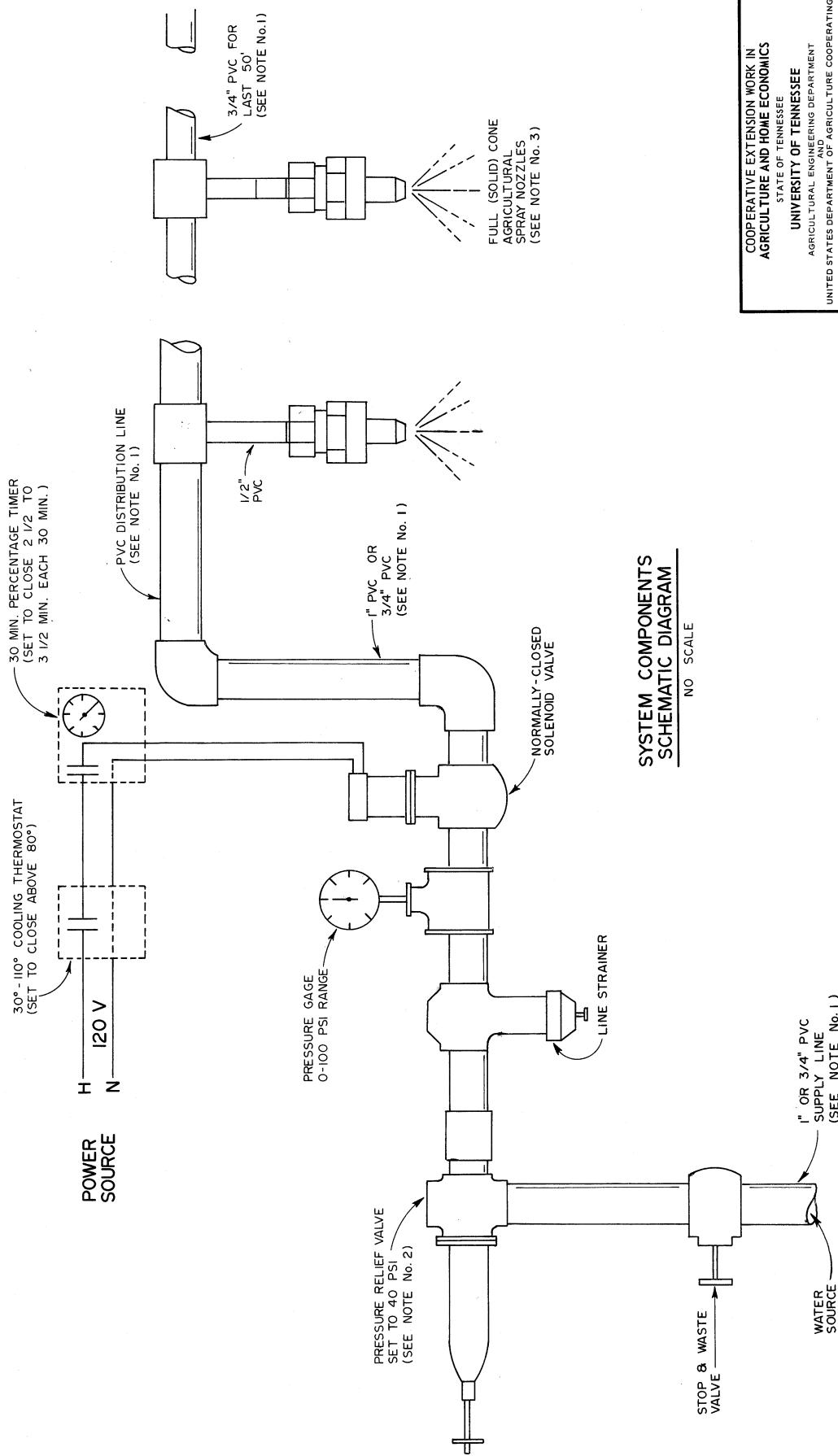
SPRINKLER COOLING
SYSTEM FOR SWINE

TENN. 8-4-80 SHEET 2 OF 3
GFG/LCS PLAN NO. T4065

(REVISED 4/10/84)

NOTES

1. IF THE DISTRIBUTION LINE EXCEEDS 50', USE 1" PVC. DISTRIBUTION LINE UP TO THE LAST 50'. USE 3/4" PVC FOR THE LAST 50'.
2. IF LINE PRESSURE EXCEEDS 40 PSI, THE NOZZLES WILL TEND TO DISCHARGE A FINE MIST. MISTING OR "FOGGING" ACTUALLY CAUSES HOGS TO GAIN HEAT; THEREFORE, THE TERM SPRINKLER COOLING IS MORE DESCRIPTIVE.
3. USE SOLID CONE, STAINLESS STEEL NOZZLES EQUIPPED WITH 100 MESH STRAINERS. SEE PLAN VIEWS FOR SPECIFIC SIZE AND LOCATION OF NOZZLES.
4. THE MENTION OF A SPECIFIC PRODUCT IS FOR COMPARISON PURPOSES ONLY. IT DOES NOT CONSTITUTE AN ENDORSEMENT OF THAT PRODUCT OR DISAPPROVAL OF SIMILAR PRODUCTS NOT MENTIONED.



SYSTEM COMPONENTS
SCHEMATIC DIAGRAM

NO SCALE