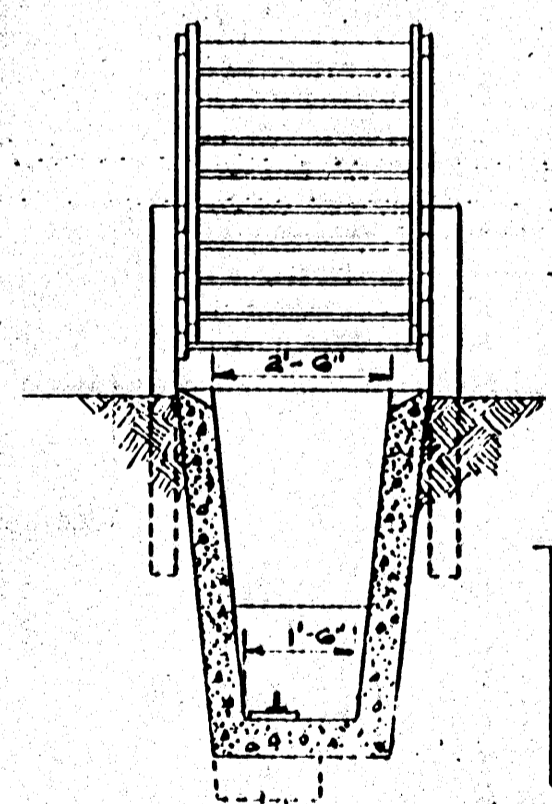
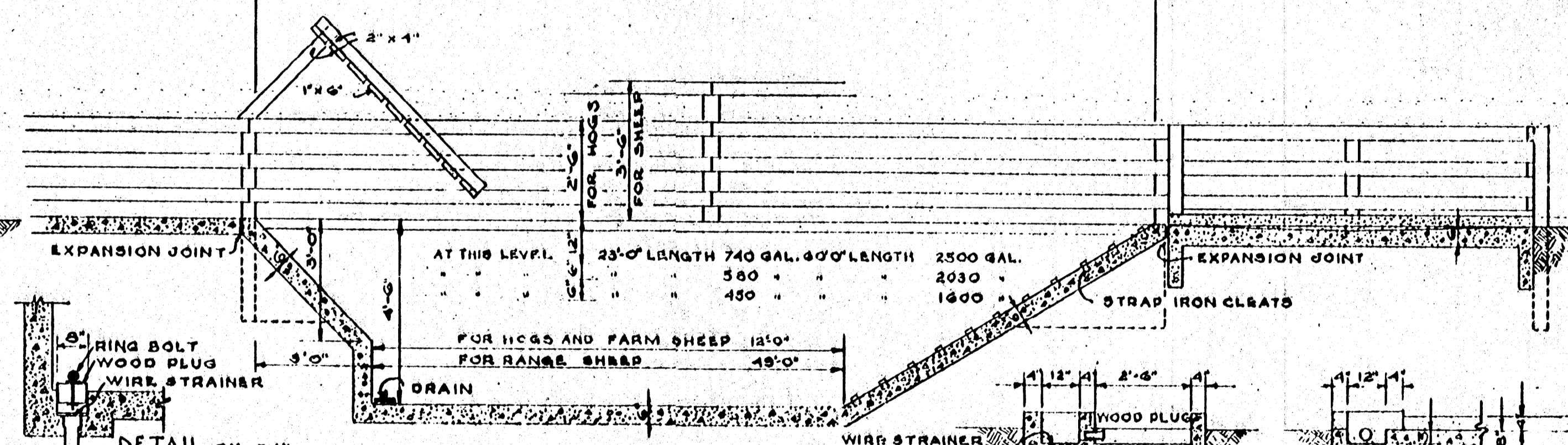


PLAN
SCALE 3/8" = 1'-0"

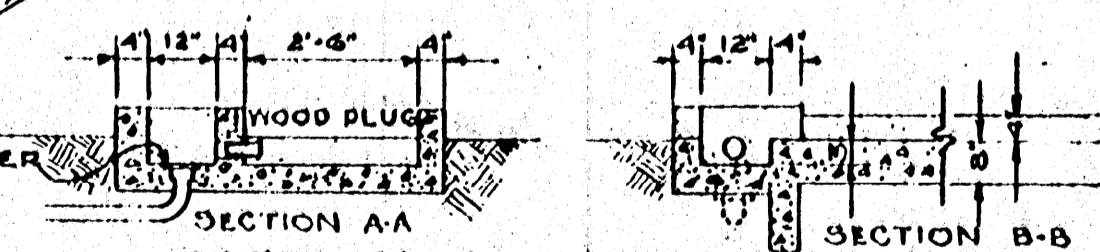
FOR HOGS & FARM SHEEP 23'-0"
FOR RANGE SHEEP 60'-0"



CROSS SECTION



LONGITUDINAL SECTION
SCALE 3/8" = 1'-0"



DETAIL SECTIONS OF THE SUMP

BILL OF MATERIALS

CONCRETE			
	23' LENGTH	60' LENGTH	DRAINING PEN
CEMENT	31 SACKS	72 SACKS	18 SACKS
SAND	2.25 CU. YDS.	3.25 CU. YDS.	1.33 CU. YDS.
GRAVEL	4.50 CU. YDS.	10.00 CU. YDS.	2.66 CU. YDS.

FITTINGS	
20 LIN. FT. 1/2" x 1 1/2"	STRAP IRON FOR CLEATS
SUFFICIENT 4"	DRAIN PIPE TO SUIT LOCATION
14' LIN. FT. 2"	GALV. IRON PIPE FOR SUMP
2-90° 2"	GALV. IRON ELBOWS FOR SUMP
GALV. IRON WIRE STRAINERS	FOR SUMP & VAT
1- 1/2"	RING BOLT FOR VAT DRAIN

FENCE	
FOR HOGS	FOR SHEEP
23- 4" x 4" x 6'	POSTS
45- 2" x 4" x 12'	RAILS
2- 2" x 6" x 12'	BATTENS
2- 2" x 4" x 10'	BLIND
3- 1" x 6" x 14'	"
4 PAIRS HEAVY 6"	TEE HINGES

ADAPTED FROM
U.S.D.A. PLAN

COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF MISSISSIPPI
MISSISSIPPI STATE UNIVERSITY
AND
U.S. DEPT. OF AGRICULTURE COOPERATING