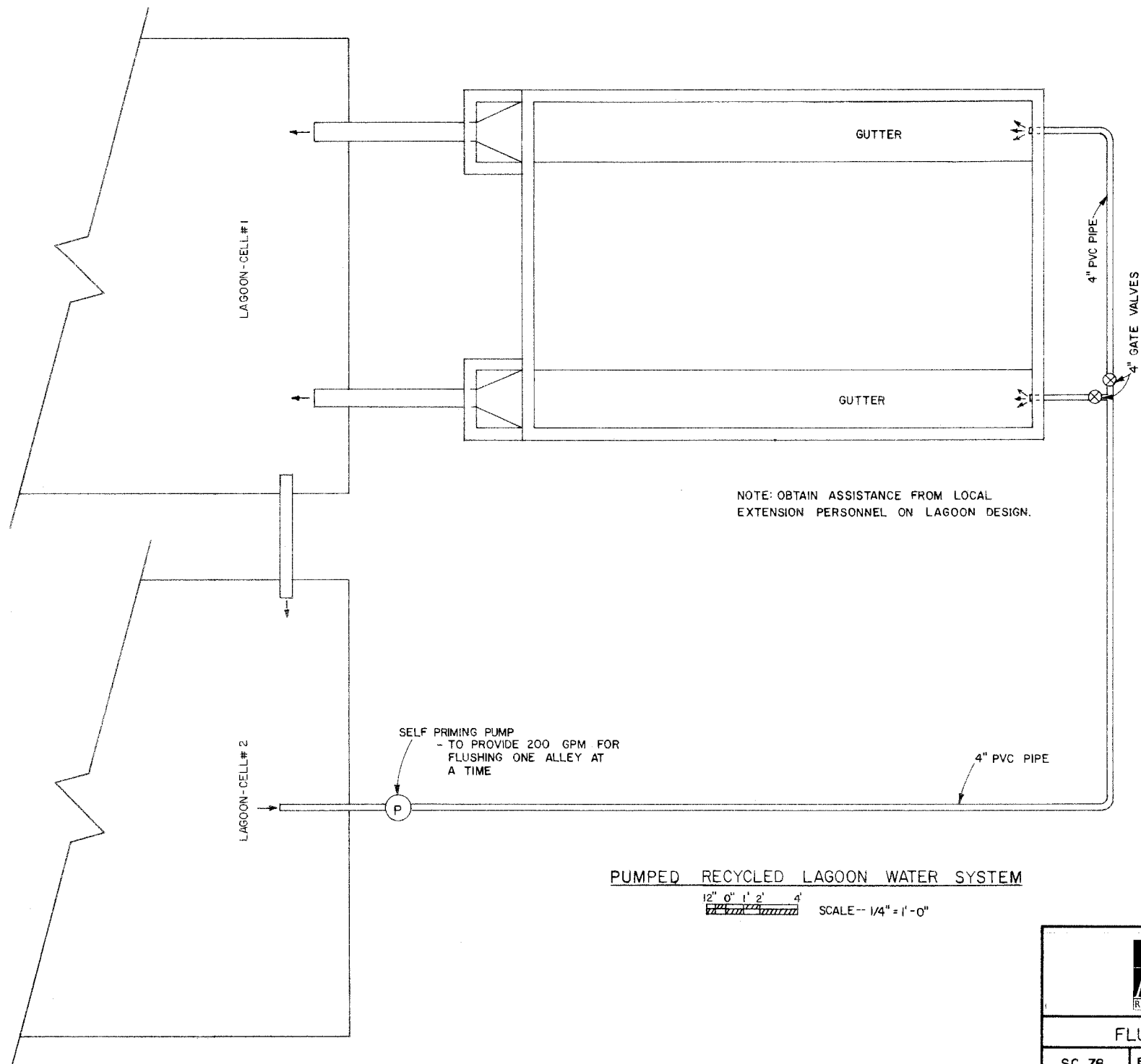




NOTE: OBTAIN ASSISTANCE FROM LOCAL
EXTENSION PERSONNEL ON LAGOON DESIGN.

PUMPED RECYCLED LAGOON WATER SYSTEM

12" 0' 1' 2' 4'
1" 1/4" 1/2" 1"

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



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REVISED '83

SUGGESTED SYPHON SIZES FOR 100' GUTTER ON 1/2% SLOPE WITH VARIOUS GUTTER WIDTHS

GUTTER WIDTH- INCHES	QUANTITY OF WATER-GAL.	SYPHON SIZE- INCHES	BELL DIAMETER-INCHES
12-30	50-100	3	12-14
30-40	100-175	4	14-16
40-50	175-200	DOUBLE 4 OR 6	16-18
88	250-300	DOUBLE 6	16-18

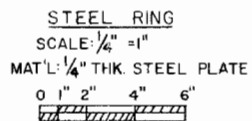
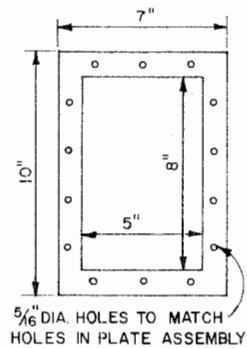
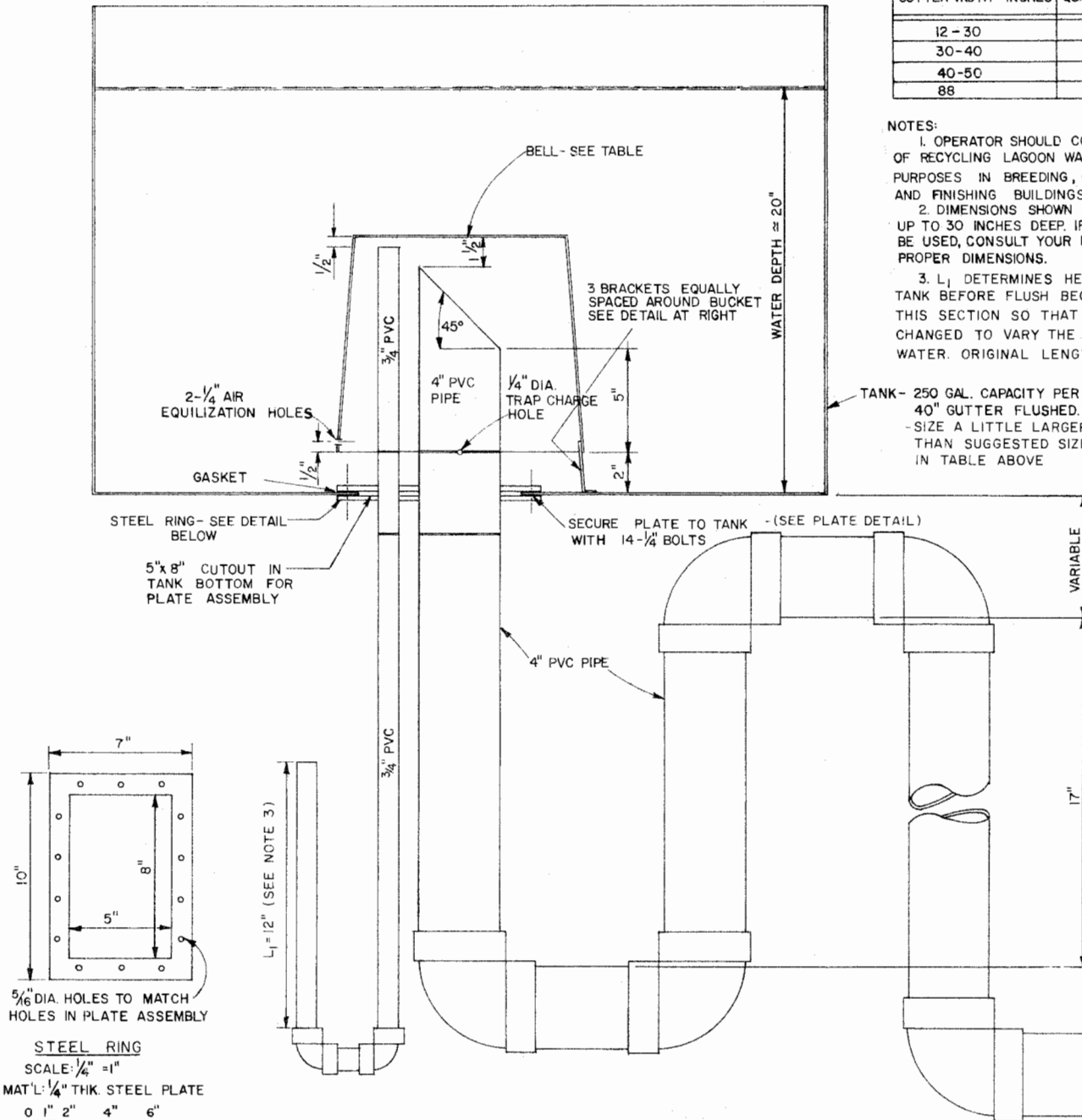
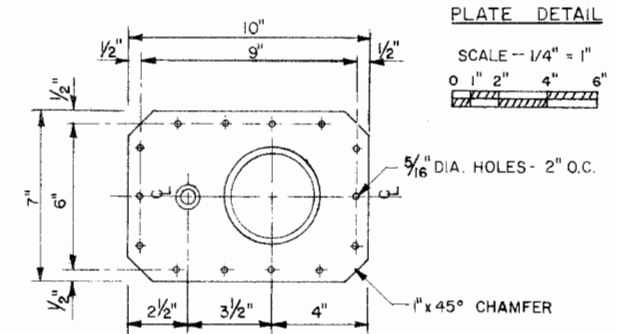
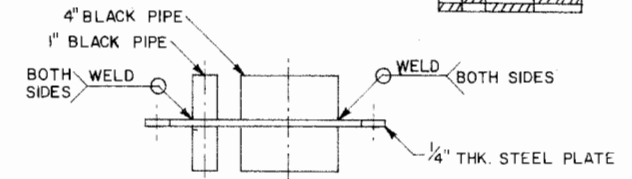
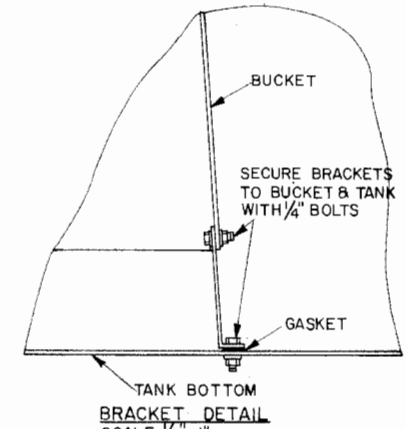
NOTES:

1. OPERATOR SHOULD CONSIDER ALTERNATIVE OF RECYCLING LAGOON WATER FOR FLUSHING PURPOSES IN BREEDING, GESTATION, GROWING, AND FINISHING BUILDINGS.

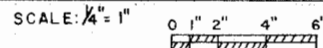
2. DIMENSIONS SHOWN WILL WORK FOR TANKS UP TO 30 INCHES DEEP. IF DEEPER TANKS ARE TO BE USED, CONSULT YOUR EXTENSION OFFICE FOR PROPER DIMENSIONS.

3. L₁ DETERMINES HEIGHT OF WATER IN TANK BEFORE FLUSH BEGINS. DO NOT GLUE THIS SECTION SO THAT IT CAN BE EASILY CHANGED TO VARY THE AMOUNT OF FLUSH WATER. ORIGINAL LENGTH SHOULD BE 12".

TANK- 250 GAL. CAPACITY PER 40" GUTTER FLUSHED.
-SIZE A LITTLE LARGER THAN SUGGESTED SIZE IN TABLE ABOVE



AUTOMATIC SYPHON FLUSH SYSTEM



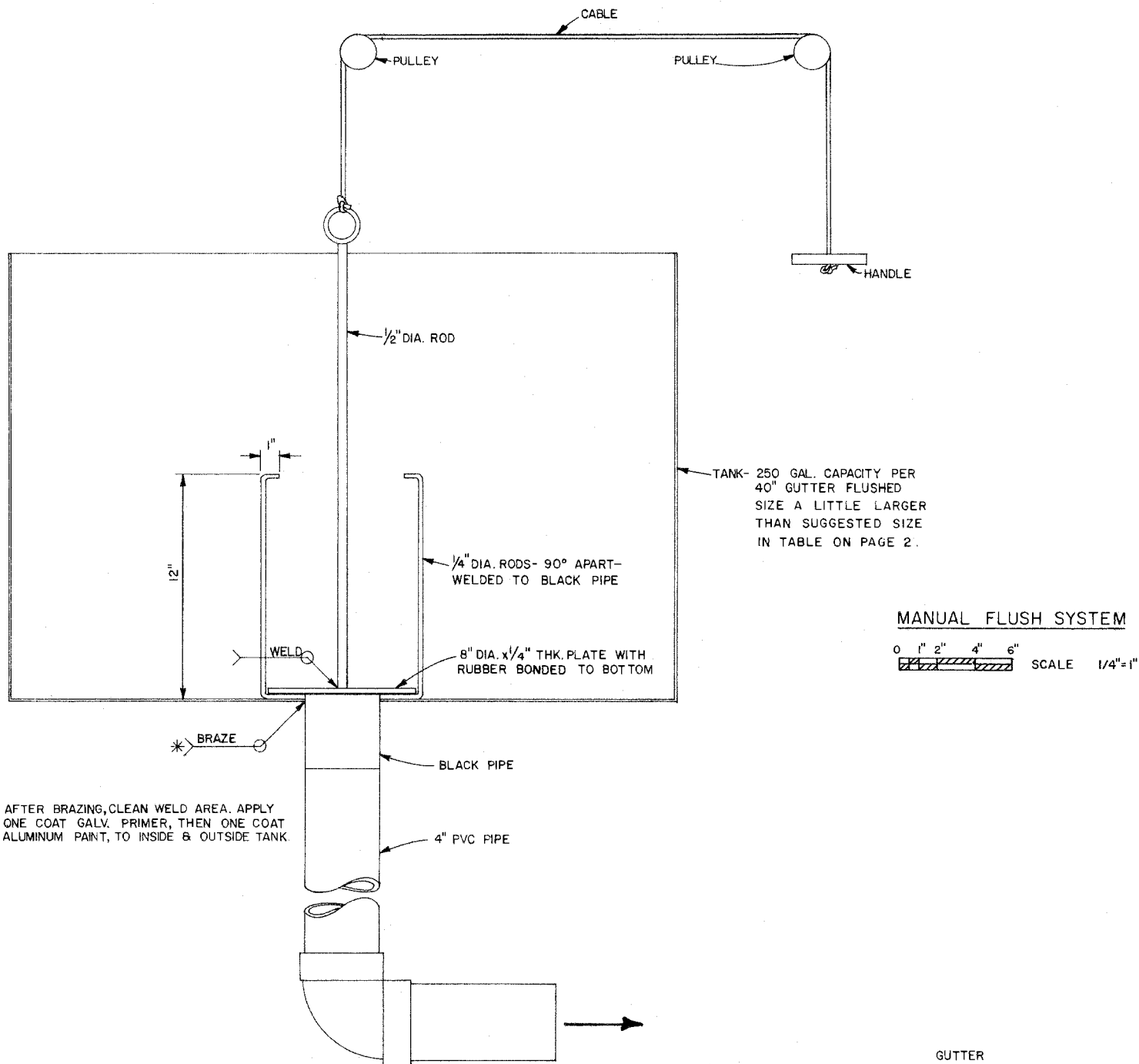
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* AFTER BRAZING, CLEAN WELD AREA. APPLY ONE COAT GALV. PRIMER, THEN ONE COAT ALUMINUM PAINT, TO INSIDE & OUTSIDE TANK.

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Disclaimer

This site makes available conceptual plans that can be helpful in developing building layouts and selecting equipment for various agricultural applications. These plans do not necessarily represent the most current technology or construction codes. They are not construction plans and do not replace the need for competent design assistance in developing safe, legal and well-functioning agricultural building system. The LSU Agriculture Center, the Mid-West Plan Service, the United States Department of Agriculture and none of the cooperating land-grant universities warranty these plans.