



MATERIALS	
CONCRETE BLOCKS	8" x 8" x 16" — 210
CONCRETE	5 - 1/2 SACK MIX - 6 YDS. \pm 1/2 YD.
REINFORCING ROD	3/8" ϕ - 150'
2 x 4'S	#3 - 200' FOR FORMING
DRAIN PIPE	2 JNT. 30° BEND 4" SOIL PIPE
DRAIN PIPE	1" Y" BRANCH 4" SOIL PIPE
DRAIN PIPE	4" TO SEWER
PIPE	20 FT. 1" ϕ GALV. PIPE
PIPE	1" ϕ PVC PIPE TO SUPPLY
FROST DRAIN	NEEDED BETWEEN RACK & SUPPLY
ONE 90° ELBOW	1" GALV. TO 1" GALV.
ONE 90° ELBOW	1" GALV. TO 1" PVC
FOUR 1" x 1" THRU BY 1/2" x 1/2" THRU	
CROSS GALV. PIPE FITTINGS	
EIGHT 3/4" HOSE BIBS WITH 1/2"	
MALE PIPE THREAD	
EIGHT 3/8" EYE BOLT 6" LONG x 2" EYE	
FOUR U-BOLT CLAMPS TO HOLD PIPING	

SECTION A-A

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