

# EXPEDIENT FALLOUT SHELTER

## CRIB-WALLED SHELTER (ABOVE GROUND)

### GENERAL INFORMATION

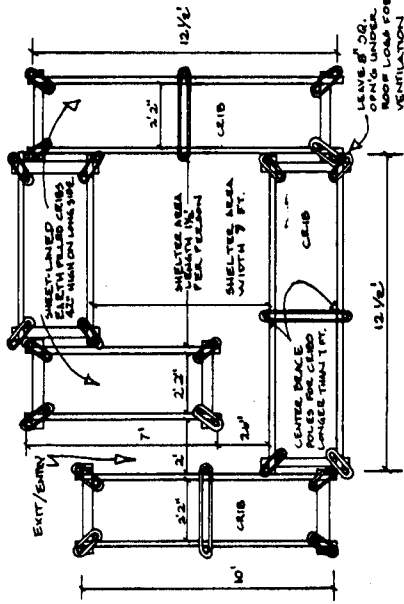
THIS SHELTER CAN BE CONSTRUCTED IN AREAS WHERE THERE IS AN ABUNDANCE OF SMALL TREES. THE APPROXIMATE AMOUNT OF TIME AND EFFORT REQUIRED TO BUILD THIS SHELTER (CAPACITY 5) IS LISTED IN TABLE 1. READ AND STUDY ALL INSTRUCTIONS BEFORE STARTING TO BUILD.

### TOOLS & MATERIALS

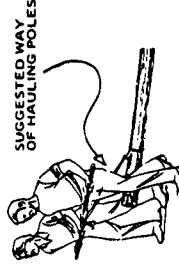
(FOR 5-PERSON CAPACITY)

1. SAW AND/OR AXE TO CUT TREE POLES.
2. SHOVELS (ONE FOR EACH TWO WORKERS).
3. LARGE CANS, BUCKETS AND/OR POTS WITH BAILS/HANDLES TO CARRY EARTH.
4. BAILS/HANDLES TO CARRY EARTH.
5. AT LEAST 300 FT. OF STRONG WIRE OR 300 FT. OF ROPE, OR 8 DOUBLE-BED SHEETS (TO TEAR INTO 15" x 20" STRIPS), FOR EACH PERSON TO BE SHELTERED. FOR EACH ADDITIONAL PERSON ABOVE 5, 20 FT. OF ROPE, OR HALF A DOUBLE-BED SHEET IS NEEDED.
6. AT LEAST 30 SQUARE YARDS, PLUS 2 SQUARE YARDS PER PERSON, OF PLASTIC OR WATERPROOF SHEET MATERIAL (SHOWER CURTAINS, PLASTIC TABLE CLOTHS, PLASTIC MATTRESS COVERS, ETC.).
7. 15 DOUBLE-BED SHEETS FOR EACH PERSON AS BED SHEETS. 2 ADDITIONAL SHEETS PER PERSON ABOVE 5.
8. 15 POUNDS OF NEWSPAPER FOR ROOF COVER.
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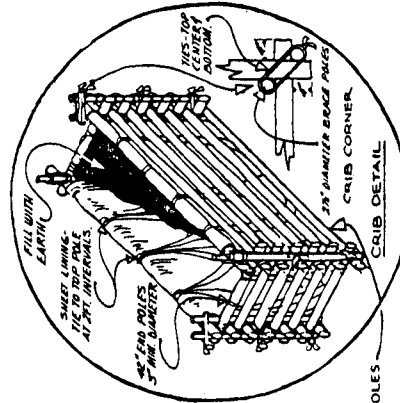
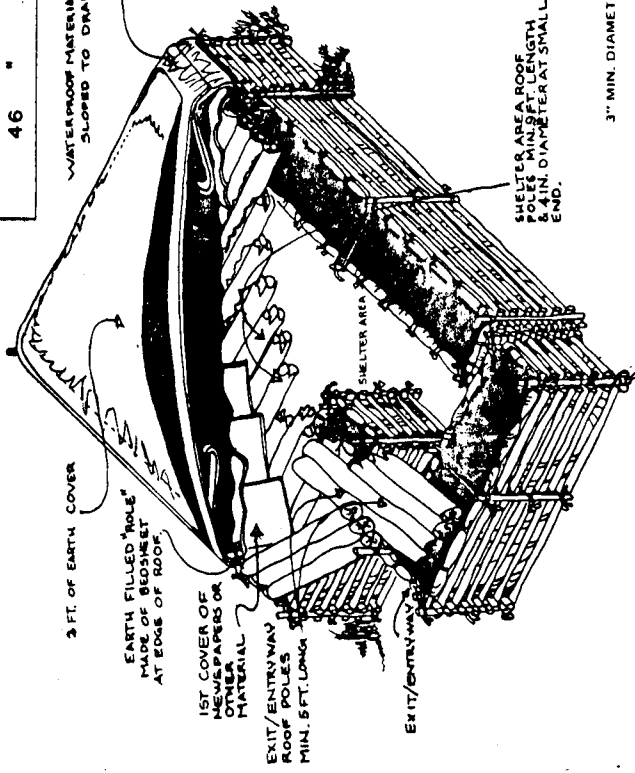
FLOOR PLAN



APPROX. POLES	12 1/2" LONG	3" DIAMETER	> ROOF
14	10'	3"	
20	9'	4"	
10	5'	4"	
28	7'	3"	
60	42"	3"	
46	42"	2 1/2"	"CORNER BRACES"



SUGGESTED WAY OF HAULING POLES



3" MIN. DIAMETER SIDE POLES

### STEP 1

SELECT A SHELTER LOCATION WHERE THE GROUND BEING COVERED WITH WATER IF IT RAINS HARD. STAKE OUT THE ENTIRE SHELTER, LOCATING THE 5 REQUIRED CRIBS.

### STEP 2

CUT POLES HAVING TOPS WITH DIAMETERS (NOT INCLUDING BARK) NO SMALLER THAN THE DIAMETERS SPECIFIED ON THE ILLUSTRATION FOR EACH TYPE POLE.

### STEP 3

SORT THE POLES BY SIZE (LENGTH AND DIAMETER) AND LAY ALL POLES SO THAT POLES ARE SMOOTH. DETERMINE IF ENOUGH LONG AND LIMBS POLES CAN BE OBTAINED FOR THE SIDE POLES OF THE 2 CRIBS ON THE LONG SIDES OF THE SHELTER. USUALLY, IF THE SHELTER IS TO BE BUILT BETTER TO USE 3 CRIBS PLACED END TO END INSTEAD OF ONE CRIB THAT REQUIRES THE LONGER POLES.

### STEP 4

1. PLACE TWO SIDE POLES ON THE GROUND AND PUT 2 OF THE ENDS OF ALL 4 POLES STICK OUT AT LEAST 4\"/>
- 2. MAKE THE PAIRS OF END POLES AND SIDE POLES TO MAKE THE CRIB. KEEP THE TOP POLES OF THE CRIB LEVEL. ALTERNATE THE DIRECTION OF THE BIG AND SMALL ENDS OF THE POLES.
- 3. 4 CORNERS OF THE CRIB. BRACE CORNER BRACE POLES IN EACH OF THE POLES TO WHICH THEY WILL BE TIED.
- 4. TOP USING 3 FT. LENGTHS OF WIRE, ROPE, OR TWISTED 1/2\"/>
- 5. THE CRIBS MORE THAN 7 FT. LONG, PLACE A PAIR OF CENTER BRACE POLES IN THE MIDDLE OF EACH LONG CRIB. TIE THE PAIR OF BRACE POLES IN POSITION OF ONE AGAINST THE OUTSIDE OF EACH LONG CRIB. TIE THE PAIR OF BRACE POLES TOGETHER PERMANENTLY, JUST ABOVE THE GROUND. LINE THE CRIB WITH CLOTH OR PLASTIC FILM, MAKING SURE AT LEAST A FEW INCHES OF LINING HANGS OVER THE UPPERMOST WALL POLE EVERY 2 FT. EDGE OF LINING INTO THE UPPERMOST THROUGH WHICH TO THREAD THE TIE STRING OR A 1/4\"/>
- 6. STRIP OF CLOTH TOGETHER THE CENTER BRACE POLES USING HORIZONTAL TIES AT CENTER AND TOP.
- 7. H. FILL THE LINED CRIB WITH EARTH FROM WHICH ALL GRASS, ROOTS, ETC., HAVE BEEN REMOVED.

### STEP 5

PUT THE 9-FT. ROOF POLES IN PLACE. PLACE THE STRONGEST POLES AT THE ENTRYWAY. THEN PLACE THE SHORTER (5 TO 6 FT) POLES OVER THE ENTRYWAY.

### STEP 6

TO KEEP EARTH FROM FALLING BETWEEN THE CRACKS OF THE ROOF, PUT STICKS IN THE LARGER CRACKS AND COVER THE ROOF WITH TWO OR MORE THICKNESSES OF NEWSPAPER OR OTHER MATERIAL.

### STEP 7

PUT EARTH COVER ON THE ROOF TO THE DEPTHS SHOWN ON THE ILLUSTRATIONS. BE SURE TO SLOPE THE MOUND EARTH SURFACE DOWN TO THE ENTRYWAY. USE BEDSHEETS TO FORM \"EARTH ROLLS\" AT THE ROOF EDGE. SHEETS WILL SERVE AS FORMS TO HOLD EARTH IN PLACE. CLUMPS OF EARTH WILL BE PLACED AT ROOF EDGES FOR THE BEDSHEETS. PLACE THE WATERPROOFING MATERIAL BEFORE PLACING THE FINAL 6 INCHES OF EARTH COVER.

### STEP 8

IF THE WEATHER IS HOT BUILD AND INSTALL A SHELTER VENTILATING PUMP. SEE SEPARATE INSTRUCTIONS ON VENTILATION FOR EXPEDIENT SHELTERS.