EXPEDIENT FALLOUT SHELTER
ABOVE-GROUND DOOR-COVERED SHELTER

GENERAL INFORMATION
THE ABOVE-GROUND DOOR-COVERED SHELTER IS DESIGNED FOR AREAS WHERE BELOW-GROUND SHELTERS ARE IMPractical. Because THE GROUNDWATER TABLE OR REDDISH IS CLOSE TO THE GROUND SURFACE, THIS SHELTER CAN BE BUILT BY FOUR PERSONS WORKING A TOTAL OF 3 HOURS EACH.

READ AND STUDY ALL INSTRUCTIONS BEFORE STARTING TO BUILD. IF DOOR WIDTHS MEASURE LESS THAN 32 INCHES, USE A COMBINATION OF DOORS TO PROVIDE A MINIMUM OF 32 INCHES OF DOOR WIDTH PER PERSON.

STEP 1
SELECT A SHELTER LOCATION WHERE THERE IS LITTLE OR NO CHANCE OF RAINWATER PONDING ON THE GROUND SURFACE. STAKE OUT SHELTER, REMOVE DOOR NOBS. ALLOW 1 DOOR FOR EACH PERSON PLUS 1 DOOR FOR ENTRY/EXIT AT ENL. LIMIT IS 8 PERSONS PER SHELTER.

DOORS (32" WIDE) 1 PER PERSON PLUS 1 FOR EXIT/ENTRY.

STEP 2
SET UP DOORS AS FORMS AROUND WHICH EARTH-FILLED ROLLS WILL BE PLACED. NAIL ONLY TOP BRACES. NAILS MUST BE REMOVED LATER. BRACE ALL CORNERS, CENTER, TOP AND BOTTOM OF EACH DOOR.

STEP 3
BEGIN TO PLACE EARTH-FILLED ROLLS AGAINST DOOR FORMS. TO FORM EARTH ROLLS, SEE EARTH-FILLED ROLL DETAIL BOTTOM OF PAGE.

EARTH-FILLED ROLL DETAIL
1. PLACE 2 FT OF SHEET ON GROUND AND TEMPORARILY DRAPE REMAINDER OF SHEET ON DOOR
2. PLACE EARTH ON SHEET - SHAPE AS SHOWN.
3. FOLD SHEET OVER SHAPED EARTH.
4. PLACE EARTH ONTO SHEET AT NARROW TRENCH.
5. FOLD SHEET TO FORM EARTH HOOK. HOOK WILL ANCHOR SHEET.
6. REPEAT TO FORM NEXT EARTH-FILLED ROLL.

STEP 4
DIG 14" DEEP, 36" WIDE TRENCH INSIDE SHELTER. EARTH CAN BE USED TO FORM SIDE EARTH FILLED ROLLS. TRENCH CAN BE MADE UP TO 3 FEET DEEP IF CONDITIONS PERMIT.

STEP 5
MOUND EARTH AGAINST THE EARTH-FILLED ROLLS AS SHOWN. CONTINUE PLACING EARTH AND SHEETS TO FORM EARTH-FILLED ROLLS.

STEP 6
KEEP HEIGHT OF EARTH ABOUT EQUAL ON BOTH SIDEWALLS AS ROLLS ARE FORMED. AFTER SIDEWALLS HAVE REACHED PLANNED HEIGHT, REMOVE BRACES AND DOOR FORMS. USE SAME DOOR FORMS TO CONSTRUCT ENDOVALS WITH EARTH FILLED ROLLS. PROVIDE EXIT/ENTRY AT END AS SHOWN.

STEP 7
REMOVE DOOR FORMS FROM ENDOVALS. POSITION ROOF DOORS IN THEIR FINAL POSITION. PLACE ENTRY/EXIT FRAME FOR DOOR OVER ENTRY/EXIT. PLACE WATERPROOFING MATERIAL ON DOORS.

STEP 8
PLACE 15 INCHES OF EARTH ON TOP OF SHELTER. IN HOT WEATHER CONSTRUCT A SHELTER VENTILATION AIR PUMP. SEE AIR PUMP DETAILS ON LAST PAGE.

NOTE: IF TRENCHING IS IMPractical, HEIGHten WALLS BY USING ADDITIONAL EARTH ROLLS.

PLAN VIEW OF SHELTER (4 PERSON)

ENTRY/EXIT FRAME
SUPPORT FOR DOOR OVER ENTRY/EXIT
EDGE OF TRENCH LINE
EARTH-FILLED ROLL ENDWALLS

TOOLS AND MATERIALS
1. Doors as indicated.
2. Pick or Mattock and Shovel.
3. Two Buckets or Large Cans to Carry Earth.
4. Tape Measure, Yardstick or Ruler.
5. Saw, Axe or Hatchet.
6. Hammer and at least 20 Nails - 2½" long.
7. At least 4 Double Bed Sheets for Each Person to be Shored.
8. Pillowcases and Waterproofing Materials such as Plastic or Polyethylene.
10. Lumber for use as Temporary Braces and for Entry/Exit Frame.