SurvivalRing

Study Yesterday . . Prepare Today . . Live Tomorrow

This digital document created and presented by Richard Fleetwood. He is the founder, author, producer, and webmaster of the **SurvivalRing** *(http://www.survivalring.org)* and **Civil Defense Now!** *(http://www.survivalring.org/cd-main.htm)* websites.

SurvivalRing has as its goal the ideal of being the leading source of survival, preparedness, and self reliance information on the Internet. Linkage, assistance, and creation of digital content in areas that until now have only been hinted at or impossible to find, is being added to everyday via the Survival-Ring website and email lists.

Thousands of hours of searching, writing, and communications have been spent collecting over 2 gigabytes of digital content, as well as tens of thousands of pages of hard copy original public domain material in the areas of civil defense, survival, training, and preparedness, from all over the globe. As much as possible is being put online at his website at

http://www.survivalring.org

Civil Defense Now!

Part of The SurvivalRing website

The content of THIS file, while created from PUBLIC DOMAIN material, produced by the U.S. (or other) Government at taxpayer expense, is presented in THIS digital format, produced from the ORIGINAL hardcopy document, for the benefit of all mankind, in hoping to help spread the idea of PREPAREDNESS for any and all threats that may come from either natural, extraterrestrial (space based), or manmade sources.

There are too many situations and incidents that can come to pass in everyday life, that when time is taken to learn and skills obtained, can mean the difference between life and death. Sept. 11, 2001 proved to the world that no matter how safe a person thinks they may be, death and injury can come from the most UN-LIKELY place, at any time. The documents presented in this series of digitized works, can help the average person with the knowledge within, to know how to save those persons closest to them in REAL disaster. Help spread this idea of sharing SURVIVAL INFORMATION.

If you have documents from any era, on any disaster or civil defense area, PLEASE contact Richard at his email address of **RAFLEET@AOL.COM**. Check the website for the LATEST additions to the CIVIL DEFENSE NOW online library archive. All data online, and much more, is also available on CD-ROM. Information is available at the website on how to obtain it. Thanks for your support, and enjoy the information contained on the following pages. Share them with those who will learn from them and teach what they know to others.

Donations of U.S. or other civil defense documents, articles, books, videos, digitized ephemera, patches, tools, photos, or anything of this nature is appreciated, as well as cash gifts or donations to support the website costs and bills. Address information is available on the homepage of Civil Defense Now! (URL located above)

- Richard Fleetwood – January 2002 — ALL RIGHTS RESERVED –

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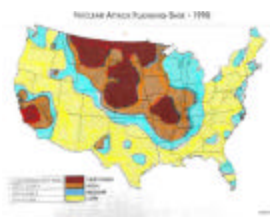
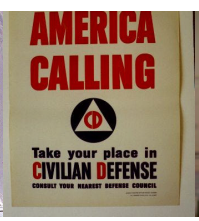


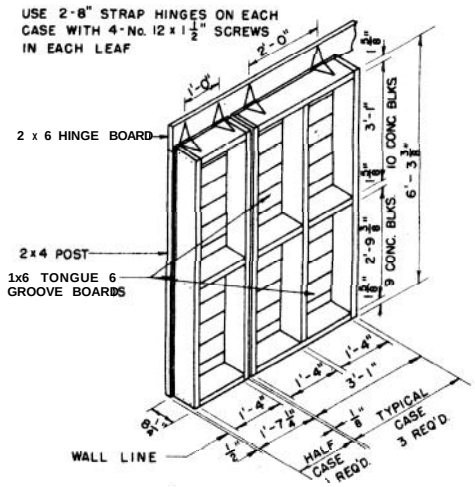


H-12-E
April 1980

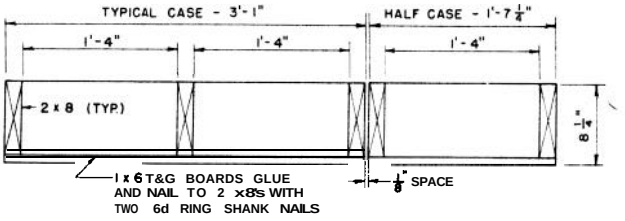
A storage unit is hinged to the wall in a basement corner. It is tilted-up to rest on stacked brick or concrete block and filled for overhead protection.

HOME FALLOUT SHELTER
tilt-up storage unit shelter-basement **location**

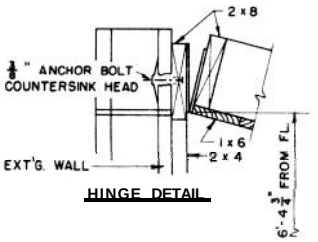
FEDERAL EMERGENCY
MANAGEMENT AGENCY



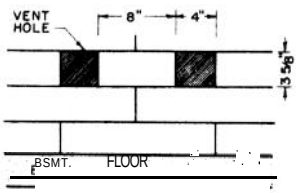
ISOMETRIC OF CASES



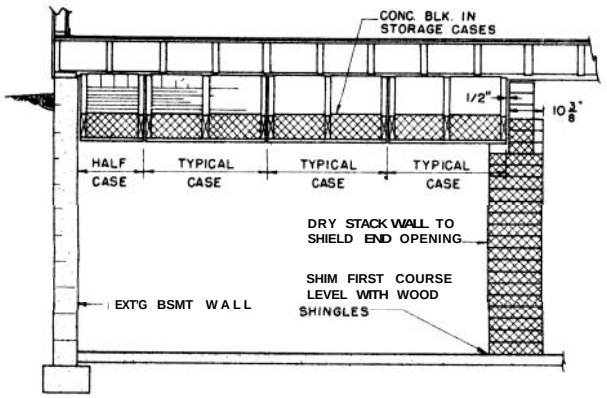
DETAIL SECTIONS



HINGE DETAIL



AIR VENT DETAIL



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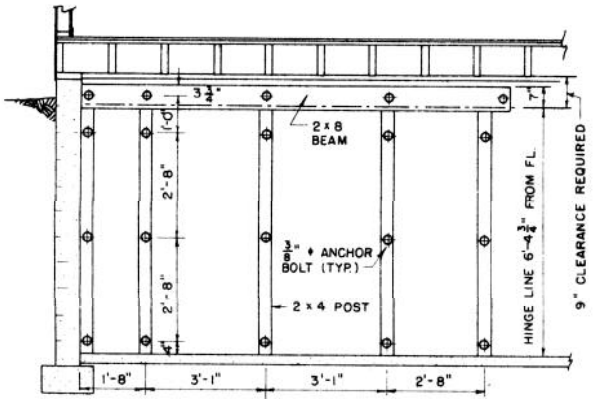

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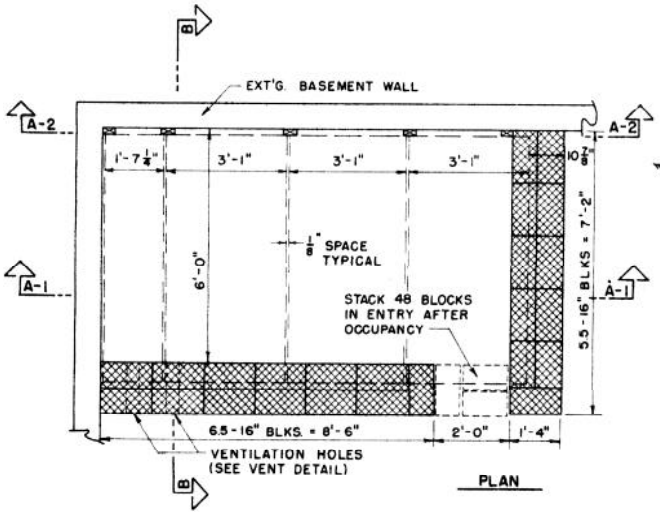
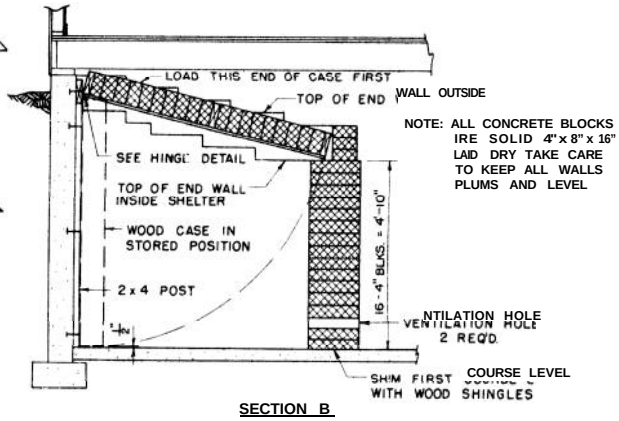


PLAN



NOTE: ALL CONCRETE BLOCKS IRE SOLID 4" x 8" x 16" LAID DRY TAKE CARE TO KEEP ALL WALLS PLUMS AND LEVEL

SECTION B

GENERAL INFORMATION

The principal feature of this shelter is a roof composed of tilt-up storage units, the top of which is hinged to the wall. The units can be used as book cases, pantry shelves, or for miscellaneous storage. In an emergency, the storage units can be tilted up so that they rest on a stacked masonry wall built from materials stored nearby the units.

In basements where the outside ground level is above the top of the tilted-up units, adequate shelter from fallout radiation is provided by filling the units with brick or solid concrete block 8" thick. The shelter will house 6 people.

Approximately 2 man days are required to construct the storage units. The materials are readily available, from retail lumber yards.

MATERIALS LIST

Item	Actual Number Required
Masonry:	
4" x 8" x 16" solid concrete masonry units or	575 blocks or
2-1/4" x 4" x 8" solid bricks	3450 bricks
Lumber: ("Construction" or "No. 1" grades or better)	
posts 2 x 4 x 6'-4-1/4"	5 pieces
beam 2 x 8 x 10'-11-5/8"	1 piece
3 cases plus half case	
2 x 8 x 6'-3-3/8"	8 pieces
2 x 8 x 6'-0-1/8"	3 pieces
2 x 8 x 1'-4"	9 pieces
2 x 8 x 2'-9-5/8"	6 pieces
1 x 6 x 1'-7-1/4" T & G*	13 pieces
1 x 6 x 3'-1" T & G *	39 pieces
Hardware :	
3" x 8" x 1/8" unfinished steel strap hinges	8
#12 x 1-1/2" wood screws, c. s.	64
3/8" diam. x 6" square head unfinished anchor bolts	20
3/8" bolt size multiple-expanding machine bolt anchor	20
6d ring shanked nails	3 pounds
glue, protein emulsion (must develop 450 lbs. /sq. in.)	1-1/2 pints
16d common nails	3 pounds

*Square edge boards may be used.

Special tools :

bubble level to insure wall is level as it is stacked

3/4" star drill for making anchor holes in existing basement wall

CONSTRUCTION SEQUENCE

1. Prepare wood case units.
   a. Assemble wood units in accordance with drawings on sheet 2.
   b. Fasten hinges to hinge board with 1-1/2" #12 * wood screws.
   c. Locate and drill holes in basement walls to receive machine bolt anchors.
   d. Bolt hinge board and 2 x 4 posts to wall with 3/8" anchor bolts.
   e. Fasten wood case units to hinges with 1-1/2" #12* wood screws.
2. Provide suitable storage location for required concrete block.
3. Assembly of shelter.
   a. Remove items stored from wood case units.
   b. Mark location of shelter walls on floor with chalk.
   c. Move concrete blocks lo shelter location.
   d. Lay first course of blocks for shelter walls, shimming block as required with wood shingles until course is level. It is important that the wall be stacked as nearly level and plumb as possible for stability.
   e. Tilt up case units in corner of basement and support temporarily with 2 x 4 prop or household step ladder. Build-up 16" concrete block wall to support case units.
   f. Remove prop, lower case units to block wall and fill case units with concrete blocks.
   g. Build end wall up above the side of the end storage unit.
   h. Move 48 concrete blocks into shelter.
   i. Occupy shelter and fill entry with 48 blocks.

* Drill lead holes 5/32" in diameter, 1-3/8" deep and shank lead holes 3/16" in diameter, 3/8" deep.