Building Backboards

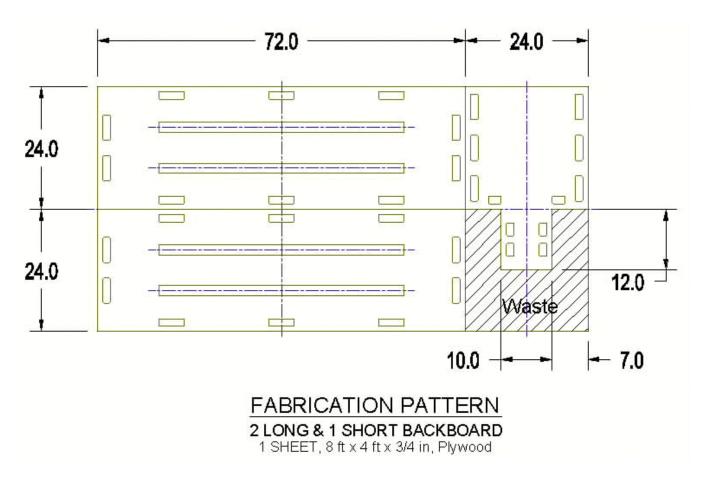
Scouting, Labor Unions and other volunteer or youth groups often need community service projects to satisfy one or more requirements for advancement through their own programs. AVERT has prepared the following plans to help your CERT team develop your emergency/disaster cache while also providing volunteer and community service opportunities for others in your neighborhood. There are three different styles of long backboard and one style of short backboard presented below.

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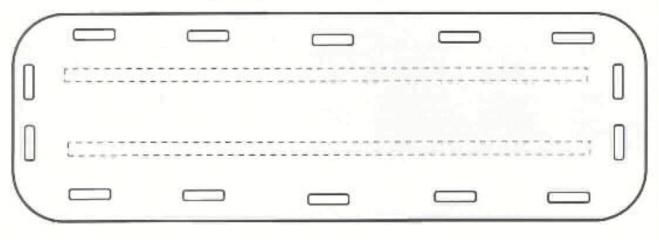
To begin a project, select a style from the drawings that follow. Contact your local CERT Team Leaders and Municipal Emergency Manager to register your project and determine how many units should be produced. If you are a nonprofit 501(c)(3) organization, contact your local lumber yard and offer them the opportunity to donate materials for your project. If you are not part of a nonprofit group, ask the CERT Team Leader or the Municipal Emergency Manager to request a donation. If you still need a sponsor, but can't get a donation for your project, try contacting AVERT's Webmaster.

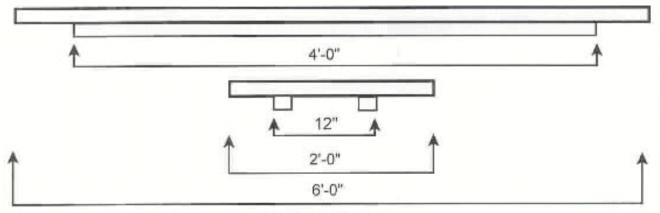
Once the project is approved, and you have received the necessary materials, gather the following tools: hammer, circular saw, jig-saw, sander, 3 inch and 2 inch paint brushes, tape measure or other ruler, framing square and a carpenter's pencil. You will also need a drop cloth or other tarp and plenty of towels for cleaning up spills. A typical Eagle Scout project might require the production of 4 Long and 2 Short Backboards, with average material costs of about \$100.00 to \$150.00, if no donations were obtained.

See Figure 1 (below) for a pattern that you can use to make the most use of 8 ft X 4 ft sheets of 3/4 inch thick plywood. **Short Backboards are much easier to make.** Simply cut out the pattern of the short backboard, sand as for a long backboard, and varnish liberally. Note that the dimensions in the figure are in inches.



Backboard Construction

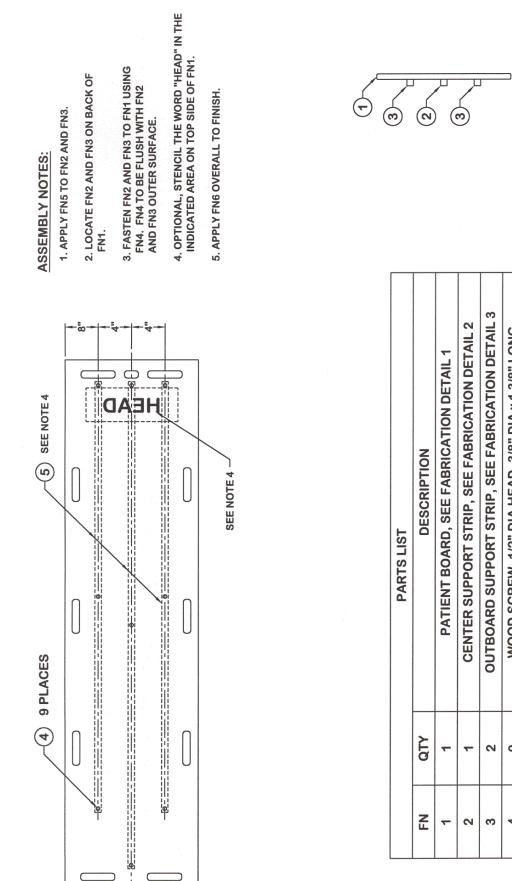




Instructions:

- 1- Using a 4' x 8' x 3/4" piece of plywood cut the top 2' off the board width-wise. Then cut it down the middle length-wise leaving 2- 2' x 4' pieces. The 2' x 4' section can be used to make a child back board. The 2- 2' x 6' boards will make 2 adult size back boards.
- 2- Cut out the 5" x 1 1/2" hand holds and round the corners.
- 3- Glue and screw the 2" x 2" z 4' fir stripping on the back of the boards.
- 4-Sand everything to avoid splinters.
- 5- Apply several liberal coats of polyurethane.

Parts List				
quantity	description			
1	2' x 6' x 3/4" sanded plywood			
2	2" x 2" x 4' fir stripping			
8	2" "goldie" grabber screws wood glue			
	sand paper polyurethane			
	mineral spirits for cleanup			

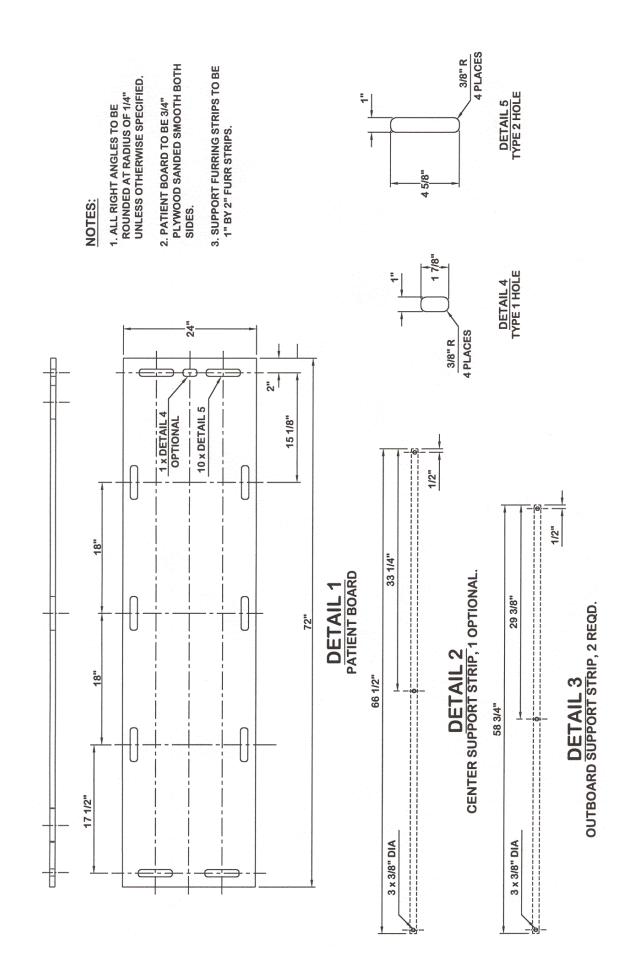


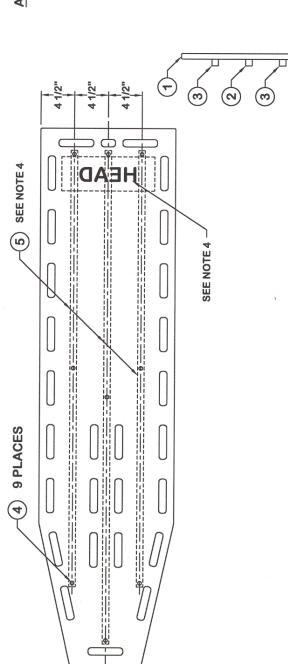
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PARTS LIST	DESCRIPTION	PATIENT BOARD, SEE FABRICATION DETAIL 1	CENTER SUPPORT STRIP, SEE FABRICATION DETAIL 2	OUTBOARD SUPPORT STRIP, SEE FABRICATION DETAIL 3	WOOD SCREW, 1/2" DIA HEAD, 3/8" DIA x 1 3/8" LONG	MOOD GLUE	VARATHANE CLEAR FINISH, 900 GLOSS OR EQUIVALENT	
	QTY	1	1	2	6	AR	AR	
	FN	1	2	3	4	5	9	

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1. APPLY FN5 TO FN2 AND FN3.

2. LOCATE FN2 AND FN3 ON BACK OF FN1. 3. FASTEN FN2 AND FN3 TO FN1 USING FN4. FN4 TO BE FLUSH WITH FN2 AND FN3 OUTER SURFACE. 4. STENCIL THE WORD "HEAD" IN THE INDICATED AREA ON TOP SIDE OF FN1.

5. APPLY FN6 OVERALL TO FINISH.

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