

# Stackable Beds

Hardwood Plywood



Georgia-Pacific



## Stackable Beds

*These modular, stable guest beds work great in the kids' room or as instant guest beds in a spare bedroom or basement. They are easy to make and utilize standard foam mattresses. This particular design gives you modular system with 2 to 5 stackable beds.*

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### Materials Checklist

- One and a half (1½)—4' x 8' sheets of ¾" hardwood plywood
- Two (2)—4' x 8' sheets, 5/8" hardwood plywood
- Six (6)—2 x 2s, 8' long
- Two (2)—39" x 75" foam mattresses
- 4d and 6d finishing nails
- Wood filler
- Glue
- Sand paper
- Paint
- Paint brush

### Tools Checklist

- Table or radial arm saw
- Drill
- 1" Spade bit
- Saber saw
- Compass
- Tape measure
- Hammer and nail set
- Power circular saw and carpenter's square
- Safety goggles

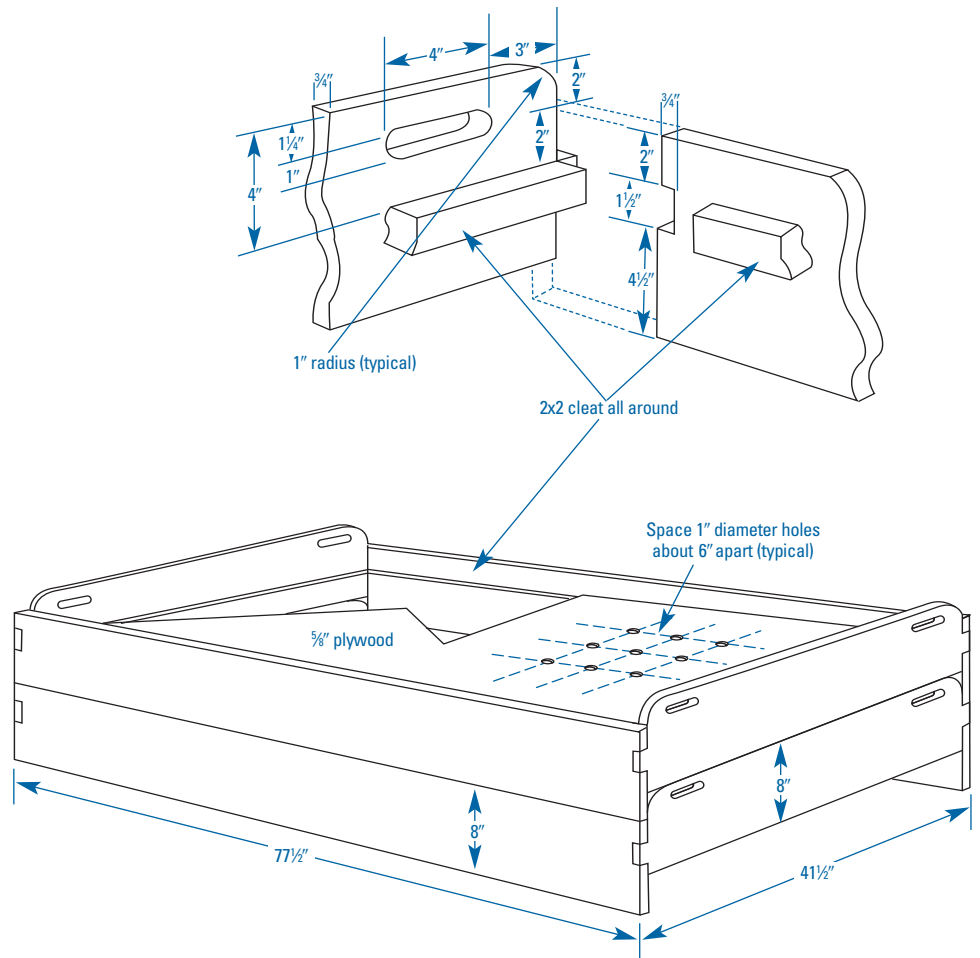
### Instructions

1. Begin by cutting all of the ¾" plywood sheets to the appropriate widths, using a table saw. Then cut them to length with a power circular saw.
2. If you use mattresses different from the ones specified in the material list, allow ½" clearance between the mattress and the frame all around.
3. Carefully measure and draw the cutouts to be made on the bed's sides as shown. Then make the cuts with a saber saw. Make the handle slots by drilling two 1" diameter holes and cutting out the rest of the handles with a saber saw.
4. Sand all of the pieces. Then glue and nail the sides together using 4d finishing nails.
5. To support the mattress, cut 2 x 2 cleats to fit the length of each side as shown. Glue and nail the cleats into place using 6d finishing nails.
6. Spread some glue onto the top edge of the cleats and insert the 5/8" plywood bottom. Nail the plywood in place with 4d finishing nails. Set all nails with a nail set. Fill in the nail holes as well as any flaws in the plywood with wood putty.
7. Drill 1" diameter holes spaced approximately 6" apart into the plywood bottom. The holes will help circulate air to the mattress.
8. Sand the entire unit and then paint. Now you're ready to put on the mattresses and stack the beds.

## Did you know?

Hardwood plywood is much like traditional softwood plywood. Both kinds are made from layers of wood veneers that are bonded together, with the grain of each layer running perpendicular to the next. This cross-grain construction makes hardwood plywood stable and increases its strength and durability.

The most noticeable difference between hardwood plywood and traditional plywood is in the two outer layers or veneers. The outer layers of traditional softwood plywood take paint well and are generally used for construction and structural purposes. Hardwood plywood allows the natural finish of the wood to be exposed and is usually used for decorative purposes. The most popular face veneers are oak, birch and maple. The veneer varies with the species, producing unique color and grain characteristics. This real wood veneer gives the appearance of solid wood without the cost. Hardwood plywood is a product well-suited for clear finish treatments which enhance the natural beauty of the wood grain. It is easily machined, is resistant to splitting and impact and can be scored and bent for special curved applications more readily than solid wood.



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