

## Materials

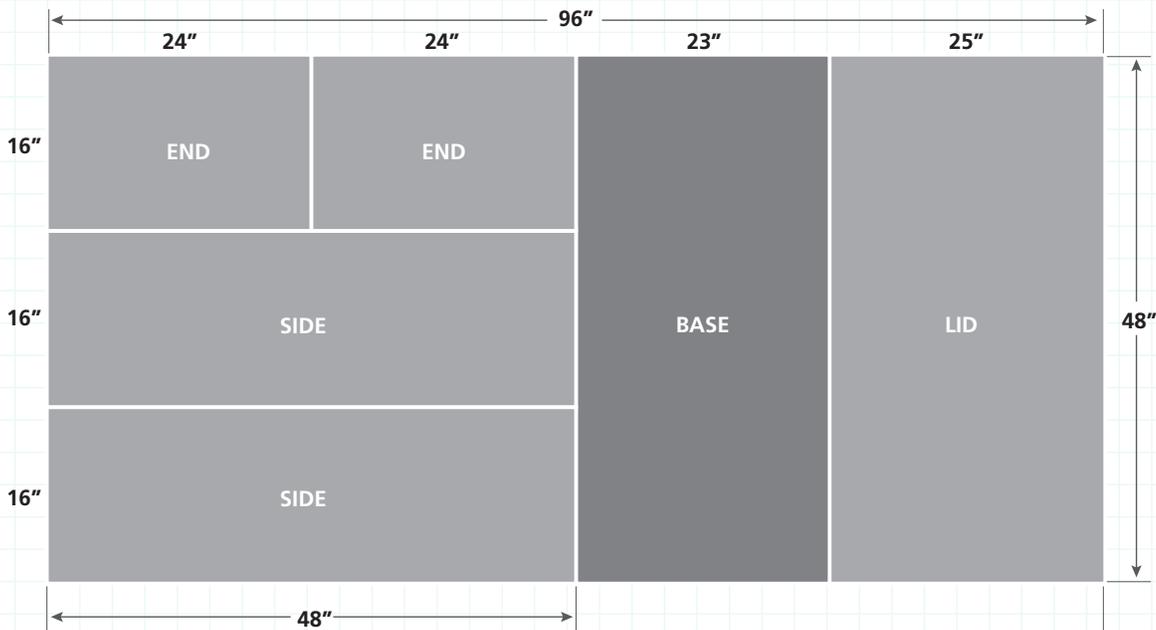
- 4 8' lengths of untreated 2" x 4" lumber
- 1 4' x 8' sheet of 1/2" exterior plywood
- 12 16d galvanized nails or 4" drywall screws
- 3/4 lb. 6d galvanized nails or 1 1/4" drywall screws
- 2 3" galvanized door hinges with screws

## Tools

- Tape measure
- Long straight-edge ruler
- Saw horses
- Screw driver
- Hammer
- Skill saw or hand saw

## Lumber Cuts

BASE		BASE		UNUSED	
48"		48"		12"	
BASE	BASE	BASE	SIDE	SIDE	UNUSED
20"	20"	20"	12"	12"	12"
LID		LID	SIDE	UNUSED	
51"		20"	12"	13"	
LID		LID	SIDE	UNUSED	
51"		20"	12"	13"	



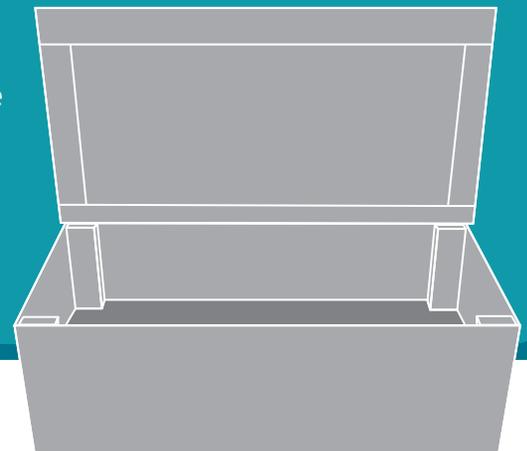
**Tips:**  
 Have lumber cut at the hardware store for fast assembly.  
 Always use eye protection when working with tools.

## DIY Worm Composting Bin

Food scraps make up nearly one third of all of the waste going to our landfill. Composting your food scraps in a worm bin is a great way to keep them out of the garbage. The nutrient-rich worm castings make excellent fertilizer for your plants.

Compost food and yard waste separately. Pests like ants, rats and raccoons are attracted to food scraps in outdoor yard waste compost bins.

Use these plans to build a wooden worm bin for about \$50.00. Visit our website for class schedules and composting tips and resources.



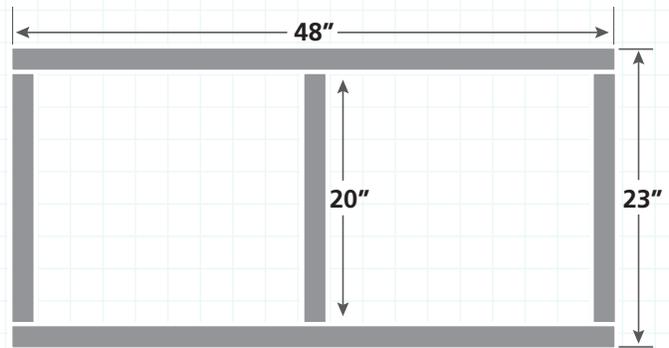
**Instructions:**

Measure and cut 2×4 boards and plywood according to diagrams on front.

**Build the base**

1. Line up the BASE 2×4s as shown.  
**Note: 2×4s should be upright.**
2. Nail or screw the 2×4s together using two 16d nails or two 4" screws per joint.
3. Nail or screw the plywood base onto the frame.

**BASE:** Lay 2×4 pieces on their edges and nail or screw together.



**Build the box**

1. Line up the SIDE 2×4s under the ends of each side panel so that they are flush with the top and side edges of the plywood. Nail or screw the 2×4s to the panels.
2. Nail or screw the side panels onto the base frame. Then nail or screw the ends onto the base and sides.
3. To reinforce the box, place a nail or screw staggered every three to five inches wherever plywood and 2×4 meet.

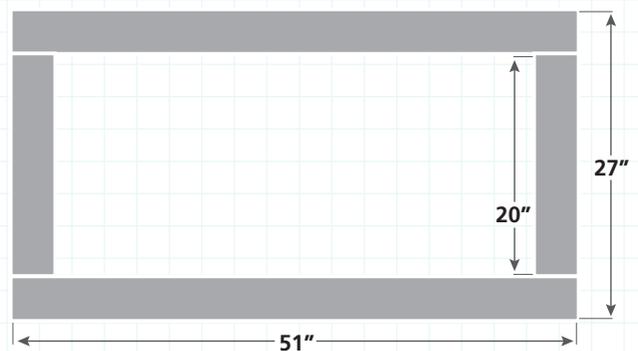
**BOX:** Attach 2×4s to side panels, attach side and end panels to base.



**Build the lid**

1. Line up the LID 2×4s as shown.  
**Note: 2×4s should lie flat.**
2. Center the LID on the 2×4 frame and attach with nails or screws.

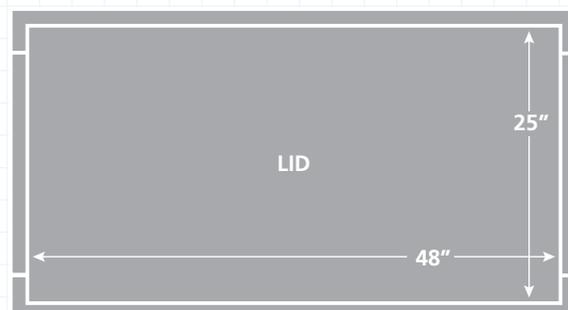
**LID:** Lay 2×4 pieces flat. Center lid on top and attach.



**Attach the lid to the box**

1. Center the lid on the box (lid overhangs the box).
2. Attach hinges to the lid and base at both ends of the back of the bin. Each hinge should be screwed to the 2×4 framing of the lid and the 2×4 framing of the box so that the lid will stand upright when opened.

**LID (top view):** Center lid on top and attach to lid frame.



**HINGE DETAIL:**  
Attach to 2×4 framing of lid and bin

