

HINGED TRASH CONTAINER

DIFFICULTY: **MEDIUM**

 4 VOLUNTEERS

 2 HOURS

MATERIALS

PREP

(2) 2x4x12ft boards

(1) 2x4x8ft board

(2) 4x4x8ft boards

(10) 1x6x6ft pickets

Primer/painting materials (optional)

BUILD

(4) 4x4x40" pieces - if trash container will be in ground, use (4) 4x4x48" pieces instead

(5) 2x4x31" pieces

(2) 2x4x19" pieces

(6) 2x4x28" pieces

(20) 1x6x36" pickets

1lb 2.5" deck screws

1lb 6d galvanized nails

2 hinges

1 latch

(2) 80lb bags of concrete (optional)

TOOLS

PREP

Circular saw

Tape measure

Pencil

Carpenter's square

Safety glasses

BUILD

Safety glasses

Sandpaper

Tape measure

Screwdriver bit

Pencil

Hammer

Drill

kaboom.org

PREP LIST

1. Sort materials into piles by like items to ensure you have materials needed to complete project.
2. Take (2) 4x4x8ft boards. Cut each into (2) 40" pieces, for a total of [4] 4x4x40" pieces - if trash container will be in ground, cut 48" pieces instead of 40".
3. Take (1) 2x4x12ft board. Cut into (4) 2x4x31" pieces and (1) 2x4x19" piece.
4. Take the remaining 2x4x12ft board. Cut into (4) 2x4x28" pieces and (1) 2x4x19" piece.
5. Take the 2x4x8ft board. Cut into (2) 2x4x28" pieces and (1) 2x4x31" piece.
6. Take all (10) 1x6x6ft pickets. Cut into (2) 1x6x36" pieces, for a total of (20) 1x6x36" pieces.
7. Angled Cuts: because you cut your pickets in half, (10) now have dog-ears and (10) do not. Using the miter saw, match the angles on the dog-eared halves so that all pickets have dog-ears on one end.
8. Priming: if the trash container pickets will be painted after assembly, prime them on both sides and all edges.

BUILD LIST

1. Sort materials into piles by like items to ensure you have materials needed to complete project.
2. Start by attaching 3 of the 2x4x28" boards to 2 of the 4x4x40" (OR 4x4x48") pieces using the 2.5" deck screws. Be sure the outside edges of the 2x4s are flush with the outside edges of the 4x4s. The top 2x4 should be attached flush with the top of the 4x4 posts. The bottom 2x4 should be attached 4in above the bottom of the posts. For the middle 2x4, center it so it's even between the top and bottom frames.
3. Repeat this process with the 3 remaining 2x4x28" pieces and the remaining (2) 4x4x40" (OR 4x4x48") pieces.

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4. Connect these two frames using (3) 2x4x31" boards to form a 3 sided rectangle. As in step 2, the top 2x4 should be attached flush with the top of the 4x4 posts. The bottom 2x4 should be attached 4" above the bottom of the posts. For the middle 2x4, center it so it is even between the top and bottom frames.



5. Door frame: use (2) 2x4x19" pieces and (2) 2x4x31" pieces to build gate frame. Use the 2 1/2" screws to secure each connection.



6. Attach pickets: Using 6d nails, start attaching a picket onto each bare 4x4 post on the side that is getting the gate. Align the pickets here so that the edge is flush with the inside edge of the 4x4. The other 3 pickets can be attached to the gate frame itself. Continue around the trash container frame, attaching 5 pickets per side.



7. Secure gate frame to posts. Check gate frame does not hit post when it swings open. Position gate frame between posts so it swings open freely. Use two hinges to attach gate frame to the picket/post on one side while the other side will be secured with a latch. Make sure frame is attached so th top of pickets on the frame line up with top of pickets that have been attached to posts. Use 2.5" screws to attach the hinges.



8. It is important that the hinge and clasp points are affixed so that they are driven through the pickets and into the 2x4s on the frame (and not JUST the pickets). You can move the hinges and the clasp as necessary to ensure this happens.



9. If you will be setting the trash container in concrete, dig 4 holes 8" deep and 6" in diameter.



10. If you will be painting the trash container, ensure that it is fully assembled and set in place first.

