


RECYCLE/TRASH BIN

DIFFICULTY: **MEDIUM**

 4 VOLUNTEERS

 4 HOURS

MATERIALS

PREP

- (9) 2x6x8ft boards
- (1) 4x4x10ft board
- (1) .75"x4'x8' sanded plywood

BUILD

- (10) 2x6x48" pieces
- (10) 2x6x30" pieces
- (4) 4x4x27.5" pieces
- (2) 2x6x48" trapezoids
- (2) 2x6x33" trapezoids
- (1) .75"x48x33" plywood piece with 2 holes
- 1lb 2.5" deck screws
- (3) 3" exterior hinges

TOOLS

PREP

- Primer (optional)
- Painting supplies (optional)
- Miter saw
- Pencil
- Carpenter's square
- Tape measure
- Drill
- 12" Hole saw attachment

BUILD

- Drill
- Painting materials (optional)
- Tape measure
- Screwdriver bit

PREP LIST

- Sort materials into piles by like items to ensure you have materials needed to complete project.
- Take (5) 2x6x8ft boards. Cut each into (2) 48" lengths, for a total of (10) 2x6x48" pieces.
- Take 3 remaining 2x6x8ft boards. Cut each into (3) 30" lengths, for total of (9) 2x6x30" pieces.
- Take the remaining 2x6x8. Cut into (1) 2x6x30" piece and (2) 2x6x33" pieces.
- Cut 4x4x10ft board into (4) 4x4x27.5" pieces.
- Take the 4x8 plywood piece. Cut from it one 48"x33" plywood piece.
- Angled Cuts: Take (2) 2x6x48" pieces and use miter saw, cut 45° angle off of both ends, creating (2) 2x6x48" trapezoids. Take (2) 2x6x33" pieces and use miter saw, cut 45° angle off of both ends, creating (2) 2x6x33" trapezoids.
- Lid Holes: Take 48"x33" plywood piece and mark two circles - each one 12" in diameter, with their centers situated 12" from the 33" side of plywood and 16.5" from the 48" side of the plywood. Use drill/hole saw, drill out both holes in plywood.
- If the lid to the trash and recycling container will be painted, prime it once the cuts are finished.

BUILD LIST

- Sort materials into piles by like items to ensure you have materials needed to complete project.
- Start by attaching five of the 2x6x30" boards to two of the 4x4x27.5" using the 2.5" deck screws. Outside edges of 2x6s are flush with outside edges of 4x4s. Also bottom and top of 4x4s are flush with outside long edges of the 2x6s.
- Repeat process with remaining (2) 4x4x27.5" pieces and remaining (5) 2x6x30" boards.

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TOOLS

PREP

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BUILD

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4. Attach five of your 2x6x48in boards to the sides of the two pieces you previously constructed. Be sure that the 2x6x48in boards come flush with the outside end of the 2x6x30in boards.
5. Repeat this process with your remaining five 2x6x48in pieces on the other side. You should be left with a box.
6. Next attach your four trapezoid boards (two are 2x6x48in and two are 2x6x33in) to the top of the box. Be sure you are screwing through the trapezoids into the 2x6s and the 4x4s.
7. Lastly, you will attach the hinges to one of the long edges of your box and the plywood cover to this side.
8. If the lid will be painted, do so once it is fully assembled.

