


# PLANTER BENCH

DIFFICULTY: **EASY**

 4 VOLUNTEERS

 4 HOURS

## MATERIALS

### PREP

(2) 4x4x10ft boards

(15) 4x4x8ft boards

(5) 2x4x8ft boards

### BUILD

(2) 4x4x10ft boards

(24) 4x4x31" pieces

(28) 4x4x24" pieces

(15) 2x4x31" pieces

1lb 2.5" deck screws

10lb 60d 6" galvanized nails

7 cubic feet fill material

6 cubic feet potting soil

Plants

## TOOLS

### PREP

Miter saw

Pencil

Tape measure

Carpenter's square

Safety glasses

### BUILD

Tape measure

Hammer

Drill

Screwdriver bit

Sandpaper

.25" long drill bit

## PREP LIST

1. Sort all materials into piles by like items to ensure you have materials needed to complete project.
2. Take 7 of the 4x4x8ft boards. Cut each into (4) 24" pieces for a total of (28) 4x4x24" pieces.
3. Take the 8 remaining 4x4x8ft boards. Cut each into (3) 31" pieces for total of (24) 4x4x31" pieces.
4. Take the (5) 2x4x8ft pieces. Cut each into (3) 31" pieces, for a total of (15) 2x4x31" pieces.
5. Do NOT cut the [2] 4x4x10ft boards.

## BUILD LIST

1. Sort all materials into piles by like items to ensure you have materials needed to complete project.
2. Planter squares: create 12 using (2) 4x4x24" and (2) 4x4x31". Attach these 4x4s using 6" nails and hammer. Pre-drill holes with .25" drill bit to avoid bending the nails.
3. Planter bases: use 6 squares, build 2 planter bases, each 3 levels (or squares) high. Attach one level at a time, rotating each 90° so 31" pieces always sit on top of 24" pieces. Use 6" nails to make 2 connections per level, one in middle of each 31" piece.
4. Connect planter boxes. Connect the two planter bases with the 4x4x10ft beams, sandwiching 24" pieces between them. Attach both the 4x4x10ft pieces and the 4x4x24" pieces with 6" nails.
5. Build 3 more levels on top of 4x4x10ft beams to complete planters (each planter should be a total of 7 courses high). Use same rotation method from Step 3, using 6" nails for the connections.
6. Using the 2.5" screws, attach the 2x4x31" pieces to 10ft beams, leave even-spaced gaps (about .25") between pieces, end pieces and the planters.
7. Sand rough edges and place bench in location. Fill first 3/4 of each planter box with dirt, rocks, or other fill material. Fill remainder of each box with potting soil and add plants.