

Wheelchair Accessible Raised Bed Design

Gardens should be accessible to everyone, regardless of age or mobility. This raised bed design lifts the growing space off the ground to ensure easier access to garden for members in wheelchairs.



TABLE TOP RAISED BED SUPPLY LIST

MATERIALS:

- One (1) 3/4" 4x8 plywood (BOTTOM...one (1) piece)
- Three (3) 8' x 2" x 10" (untreated) (FRAME...cut one in half to make two 45" pieces for the short ends)
- Four (4) 8' x 2" x 6" (treated) (LEGS...cut twelve (12) to 36")
- Three (3) 8' x 2" x 4" (treated) (CROSSBRACES...cut ten (10) to 24" with 45 degree angles both sides)
- One (1) 10' x 6' x 4 mil. (LINER)
- Two (2) SHOWER FLOOR DRAINS...male and female
- Two (2) 10" x 10" 1/2" mesh hardware cloth (FILTER HOLDER)
- Two (2) 10" x 10" Landscape cloth (FILTER)
- Thirty Two (32) linear feet of discarded, leaky garden hose (TOP EDGE LINER)
- One (1) cubic Yard of Soil

HARDWARE:

- Four (4) lbs 3" #8 square drive screws, exterior (LEG and FRAME FASTENERS)
- One (1) lb 2 1/2" #8 square drive screws, exterior (CROSSBRACE FASTENERS)
- One (1) box 1 3/8" #8 square drive screws, exterior (PLYWOOD TO FRAME FASTENERS)
- One (1) box 4d flat head nails (FASTENERS FOR HOSE)
- One (1) qt wood glue
- Four (4) 1/8" drill bits
- Four (4) #2 square drive bits
- One (1) box 1/2" T-50 staples

TOOLS:

- Radial Arm Saw with cross cut blades
- Carpenter Square
- Combination Square
- Tape Measure
- Hammer
- Speed Square
- Pencils
- T-50 Stapler
- 12" bar clamp
- 3/8" Drive Drills
- Drill Bit Holders
- Tin Snips
- Scissors
- 24" Level
- Mattock
- Rake
- Shovel
- 1 1/2" Hole Saw
- Work gloves
- Safety Goggles
- First Aid Kit (small cuts)



Cutting and assembly procedure:

1. Cut twelve (12) legs to 36" from 2x6s
2. Cut twelve (12) corner leg braces to 24" from 2x4s (Note: Braces have 45 degree angles)
3. Cut two (2) planting box sides to 45" from 2x10s
4. Cut three (3) bottom braces to 45" from 2x6s
5. Attach planting box ends and planting box sides together.
(Note: Long ends are on the OUTSIDE. Short ends are on the INSIDE.)
6. Attach 4x8 plywood to planting box assembly.
(Note: Attach one short end FIRST. Be sure corners align with plywood. THEN push box frame into alignment with plywood.)



7. Attach bottom braces to the two ends and middle.
(Note: Be sure bottom braces are inset 1 1/2" from edges.)
8. Attach 12 parts together into 6 legs.
9. Attach 6 legs to the ends of the 3 bottom braces.
10. Attach 12 cross braces to the 6 legs.
11. Drill 2 holes into middle of planting box bottom.
(Note: Holes should be about 2 feet from ends and sides.)
12. Attach two shower drains to the two holes.
13. Attach hardware cloth squares over top of shower drains
14. Attach landscape cloth squares over hardware cloth squares.
15. Attach plastic liner to planting bed.
16. Level the planting bed.
17. Fill with soil.

