

Tom's Basement Shelves – Rev 2

Tom Mayo – 8/2/10

Bill of Materials (Makes two shelving units, 6 ft high, 8 ft long and 2 ft deep):

- 26 @ 2x4 x 8 ft higher quality (NOT stud-length)
- 3 @ 4' x 8' 15/64" BC plywood
- 3" drywall screws
- 1 5/8" drywall screws

Sawing:

1. Rip each 4' x 8' plywood sheet into two 2' x 8' shelf tops (Fig A)
2. Cut 10 of the 2x4's down to 6 feet long and save the remaining 2' of each to contribute to the count of 21" front to back supports required (step 3).
3. Cut 24 21" 2x4 pieces for shelf front to back supports (Fig B).

Construction:

1. Screw two 8 ft 2x4's with 4 shelf supports between them. Wider dimension of the 2x4 goes vertical, like a floor joist. (Fig C)
2. Screw plywood shelf tops onto shelf frames.
3. Mark 10 6 ft 2x4's at 24" and 48" from bottom.
4. Screw five verticals to shelves so shelf tops are at 24" top to top, including floor to 1st shelf. Top Shelf is at top of 6 ft 2" x 4". (Figs D and E)

Fig A (x 3)

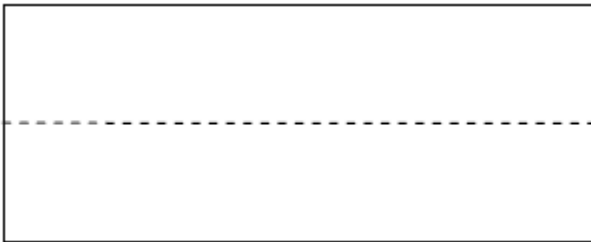


Fig B (x 4)



(get remaining 8 pieces from the 24" pieces you cut off to make the 10 6' verticals)

Fig C (x 6)

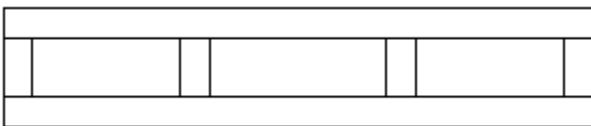


Fig D (Top View)

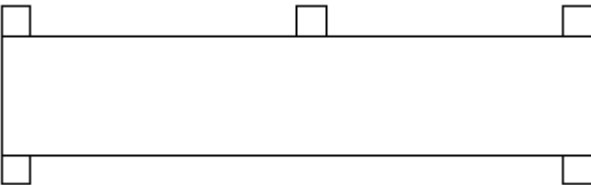


Fig E Front View

