

How to build a light weight drywall cart



The bill of materials is as follows:

Bottom Assembly (Cart):

2, 6' (2x6)

2, 30" (2x6)

1, less than 6' (2x2) kick board

4 casters, 2 unidirection, 2 multidirection

bag of 3" decking screws and 16,5/16" stove bolts to fasten casters

Upper Assembly (Drywall support/rack):

2, 43" (2x6) vertical support

2, 45" (2x4) angled drywall support

1, 6' (2x4) horizontal support

1, ~69" (2x2) horizontal drywall support about 6" from top of cart

1 or 2, ~4.5' (2x4) support brace

Above are some pictures of a drywall and general purpose cart built in my shop in about 1 hour.

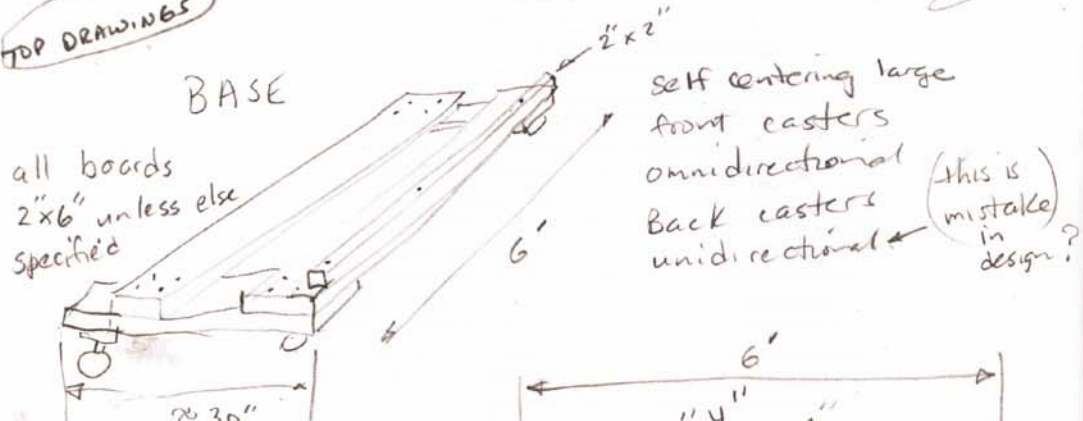
This is designed to be a temporary light weight cart that can be built quickly on site.

Observations: Some sweeping may be necessary!! Tracked-in pea gravel (see picture) does not agree well with this design! Sweeping the path was enough to accomodate the problem. The design was built in less than one hour and allows the top to be removed so that other equipment (<400 lbs) can be also moved as well. My door openings were about 36". I did not take great care with my screws on the angle braces. This caused some drywall damage on the back side of the sheets. One man, however, can move a stack of 50 drywall sheets (25 groups of 2) in an afternoon. To drop the sheets off the cart I had to use a piece of carpet to cushion the impact so as to not damage corners of the panels. The following page shows the sketches and assembly instructions for the cart. The only cost was the cost of the casters (about 35\$) and the deck screws(~2\$). Everything else was building scrap from the site. Watch out for hornets (right ankle) and do not run the cart into the back of your leg (left ankle). Suggest delay installing doors to reduce collision with frame.

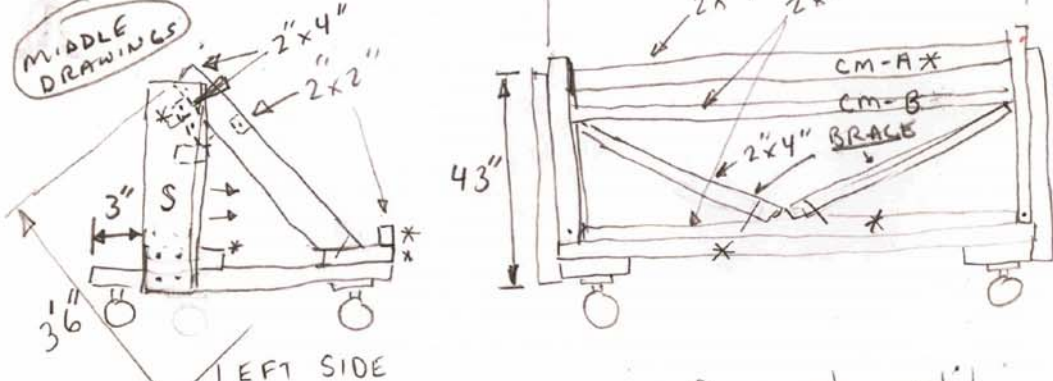
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Final Actual Drywall Cart Design

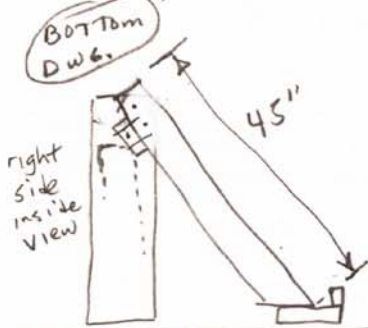
TOP DRAWINGS



MIDDLE DRAWINGS



BOTTOM DWG.



move support S forward until 4' drywall does not over hang cart (about 3")
 CM-A & CM-B can be removed to convert back to semi flat cart.
 All parts marked with asterisk can be cut to 6' for rapid assembly.

1. Cut 2, 6' (2x6's) and 2, 30" (2x6's) and 1 approx. 6' (2x2)
 2. Assemble base with wheels per top drawings of BASE
 3. Cut 1, 6' (2x4) and 2, 43" (2x6) and 2, 45" (2x4) and 1, 70 1/2" (2x2)
 4. Assemble per middle drawings
 5. Cut & install 2x4 brace per middle right, cut to fit 1 or 2 braces
 6. Countersink any screws that might damage dry wall
- est. time to assemble 1hr.