

Mobile Work Cart

This Mobile Work Cart is very easy to make and uses minimal plywood and materials to build. I used a 7/16 OSB sheet and three 8 feet 2x4 for this project.

I did purchase from Princess Auto two 4 in. Thermoplastic-Rubber Rigid Casters and two 4 in. Thermoplastic-Rubber Swivel Casters. They support 180lb Load Capacity

There are so many ways to make a mobile work cart. I wanted just a simple cart that held my planer and my Oscillating Spindle Sander. I will also use this for my drill press and band saw. I might add a drawer under the top to hold the wrenches and keys for each of my tools.

I just like to keep things simple and affordable for anyone to build.

I have included some pictures I took while building and material layout and cut list . I use a free online program called Workshop Buddy. Check it out <https://>

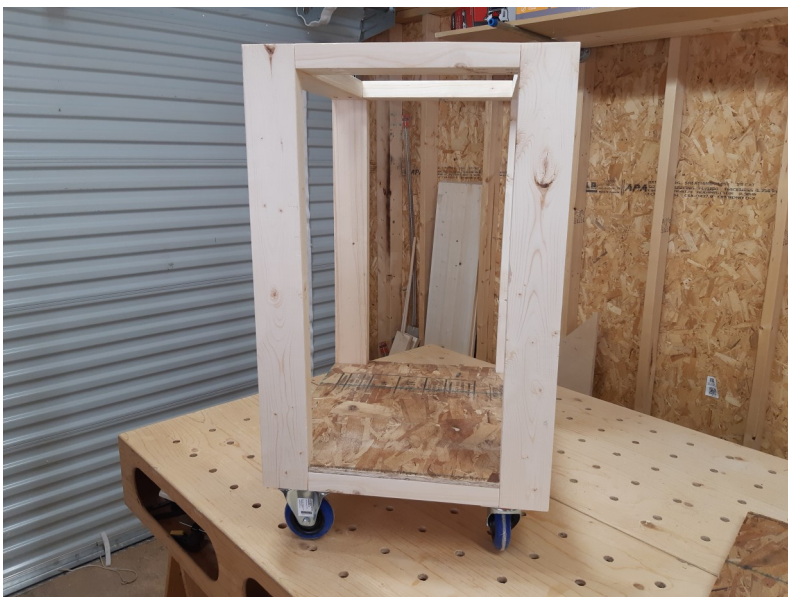




1. I cut out all my pieces.
2. I used my Kreg Pocket-Hole Jig to drill pocket holes into the top and bottom frame pieces.
3. I placed the frames with two of the legs for a dry fit first.
4. I glued, clamped, and installed the Kreg 2 1/2 inch Pocket-Hole Screws into the legs and the side frame pieces.



5. I flipped it around and repeated installing the other two legs and back frame.
6. I flipped it 90 degrees and installed the two side frame pieces and two front frame pieces.
7. I put the cart on the floor with the bottom facing upwards and installed the two rigid caster on the back frame and the two swivel casters on the front frame on the bottom of the cart.





8. I took a scape piece of 2x4 and marked on all four corners for the legs.

9. I used my Jig Saw to cut out all 4 slots for the legs on the bottom shelf.

10. I placed the bottom shelf on the bottom frames and installed #6 1-1/2 screws into the front, rear and side frames. I always pre-drill before installing the screws.

11. I installed the top shelf the same way as the bottom shelf.

That is it, Pretty Simple

The last picture on this page is just showing how pocket-holes look when assembled.





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OSB Sheet Layout

STOCK: 1.0 7/16 OSB Sheet

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Cut List

| Stock ID | Name | L | W | Kerf | Trimmed | Trim | Stack |
|----------|----------------|----|----|------|---------|---------|-------|
| 1.0 | 7/16 OSB Sheet | 96 | 48 | 0.25 | No | 0,0,0,0 | No |

| Part ID | Name | X | Y | L | W | Trimmed | Trim | Banding |
|---------|--------------|---|----|----|----|---------|---------|---------|
| 1.0 | Top & Bottom | 0 | 0 | 24 | 21 | No | 0,0,0,0 | N,N,N,N |
| 1.1 | Top & Bottom | 0 | 27 | 24 | 21 | No | 0,0,0,0 | N,N,N,N |

8 foot 2x4 Layout

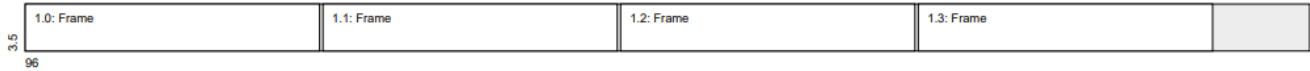
STOCK: 1.0 8 Foot 2x4 - STACK x 2

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STOCK: 1.2 8 Foot 2x4

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Cut List

| Stock ID | Name | L | W | Kerf | Trimmed | Trim | Stack |
|----------|------------|----|-----|------|---------|---------|-------|
| 1.2 | 8 Foot 2x4 | 96 | 3.5 | 0.25 | No | 0,0,0,0 | No |

| Part ID | Name | X | Y | L | W | Trimmed | Trim | Banding |
|---------|-------|-------|---|----|-----|---------|---------|---------|
| 1.0 | Frame | 0 | 0 | 22 | 3.5 | No | 0,0,0,0 | N,N,N,N |
| 1.1 | Frame | 22.25 | 0 | 22 | 3.5 | No | 0,0,0,0 | N,N,N,N |
| 1.2 | Frame | 44.5 | 0 | 22 | 3.5 | No | 0,0,0,0 | N,N,N,N |
| 1.3 | Frame | 66.75 | 0 | 22 | 3.5 | No | 0,0,0,0 | N,N,N,N |

| Stock ID | Name | L | W | Kerf | Trimmed | Trim | Stack |
|----------|------------|----|-----|------|---------|---------|-------|
| 1.0 | 8 Foot 2x4 | 96 | 3.5 | 0.25 | No | 0,0,0,0 | 2 |

| Part ID | Name | X | Y | L | W | Trimmed | Trim | Banding |
|---------|-------|-------|---|----|-----|---------|---------|---------|
| 2.0 | Frame | 0 | 0 | 14 | 3.5 | No | 0,0,0,0 | N,N,N,N |
| 2.1 | Frame | 78.75 | 0 | 14 | 3.5 | No | 0,0,0,0 | N,N,N,N |
| 3.0 | Legs | 14.25 | 0 | 32 | 3.5 | No | 0,0,0,0 | N,N,N,N |
| 3.1 | Legs | 46.5 | 0 | 32 | 3.5 | No | 0,0,0,0 | N,N,N,N |