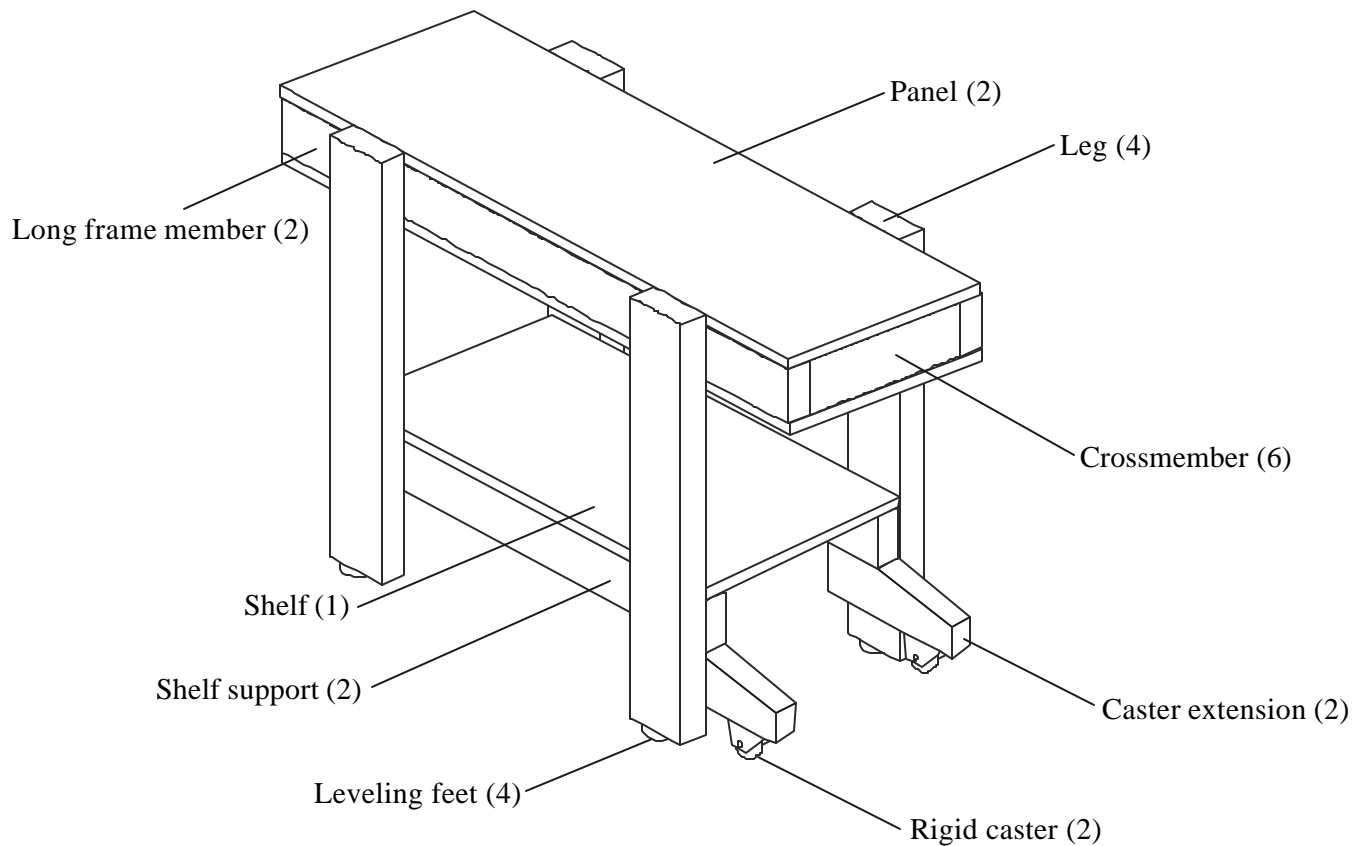


Mobile Workstand



THIS IS NOT THE COMPLETE PLAN:

it is merely an *accompaniment* to the online version which contains thorough information. You can take this with you to the store to pick up the necessary materials and you can use it in the shop while you are working but it is not a replacement to the online version.

UNIQUE PROJECTS

make something original

step 1

Acquire materials:

Item	Qty.	Description
#1	52	1 5/8" (4cm) #8 self-tapping coarse drywall screws
#2	48	2 1/2" (7cm) #8 self-tapping coarse drywall screws
#3	16	3" (8cm) heavy wood screws
#4	1	Adjustable leveling legs with 5/16"-18 (M8) screw size or larger
#5	4	T-Nuts or threaded inserts for leveling legs with 5/16"-18 (M8) screw size or larger
#6	4	Rigid casters, 2 - 3" (5 - 8mm) diameter
#7	2	Full-size sheet 4 x 8' (1.2 x 2.4m) of MDF, Melamine or Plywood 5/8" - 3/4" (15 - 20mm) thick (One sheet is enough for two workstands)
#8	4	2 x 4" x 10' (4 x 8 x 3000cm) lumber

Confirm that you have the proper tools:

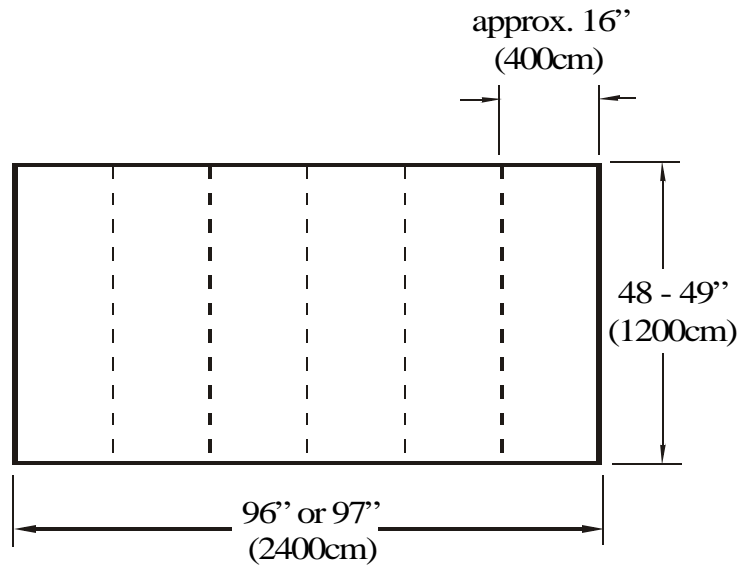
Tool
Drill
Countersinking bit
Table saw or circular saw with cutting guide
Level
Square
Clamps

UNIQUE PROJECTS

make something original

step 2

Cut three pieces from the sheet of plywood, melamine or MDF [Item #7]. You can cut six panels out of one full-sized sheet which would be enough for two workstands. If you don't have one, or are uncomfortable cutting such a large sheet on the table saw, you can use the cutting-guide technique as shown in the online plan.



step 3

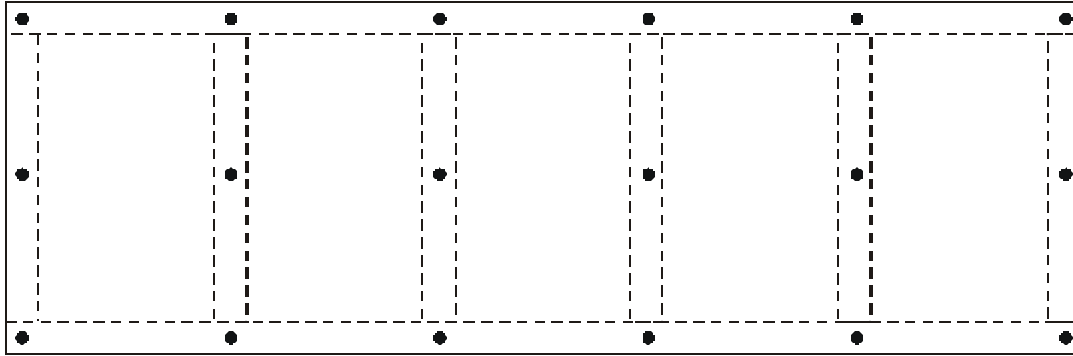
Cut lumber [Item #8] to create 2 long frame members. The following cutting plan will ensure that you will have enough wood for the project:

long frame member		leg		shelf support	
long frame member		leg		shelf support	
leg		leg	crossmemeber	crossmemeber	crossmemeber
crossmemeber	crossmemeber	crossmemeber	caster extension	caster extension	

After you have the two pieces, clamp them to one of the panels you cut in step 2 and attach with screws [Item #1].

step 4

Cut and install crossmembers. Measure the distance you need *between* the long frame members and cut six crossmembers. Clamp in place and fasten to long frame members with screws [Item #2]. Fasten to top panel with shorter screws [Item #1]. Here is the screw layout for attachment to panel:



When you are fastening the crossmembers to the long frame members make sure the screws do not interfere with each other.

step 5

Fasten second panel to underside using the shorter screws [Item #1]. Remember to predrill countersunk holes through panel, and clamp the panel to the frame when you are driving the screws. Make sure the screws do not interfere with screws that you have installed in previous steps.

step 6

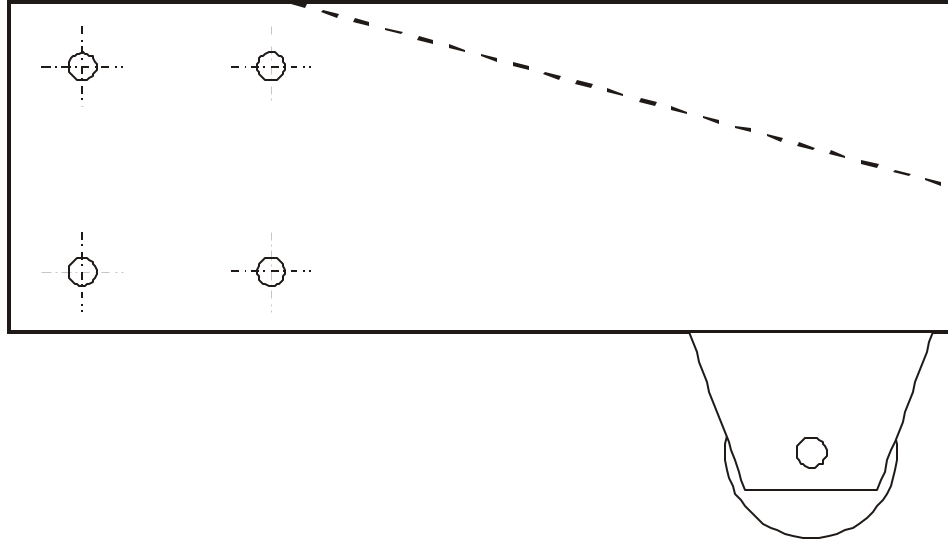
Next we will attach the legs. Cut them to length as shown in the online plan; predrill countersunk holes, clamp to worktop, confirm that they are square and fasten with long screws [Item #3].

step 7

Drill holes for T-nuts or threaded inserts [Item #5] into bottom of legs. Install threaded inserts and screw in leveling glides [Item #4] to lowest position. Turn workstand over carefully.

step 8

Cut two caster extensions to about 10" [25cm]. You can trim off one corner for the sake of appearance.



Fasten casters [Item #6] to the underside of the cut-off end with screws [Item #1]. Pre-drill countersunk holes into other end of caster extension and clamp to legs. Confirm that all of the leveling glides are in their lowest position, and put a spacer under the caster wheel as you clamp it level to the leg. Fasten with screws [Item #2].

step 9

Cut 2 shelf supports to proper length as determined by the distance between the legs. Rest one end on top of caster extensions and clamp it level before installing with wood screws [Item #2].

step 10

Rest remaining panel on top of shelf supports and mark the cut that you need to make and trim it to fit. Pre-drill countersunk holes and attach to shelf supports with screws [Item #1].

end