



Knock-down 2x4 Workbench



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Materials List:

(5) 2x4x8'

(1) work surface of your choice

prototype size 48"x36"x1/2"

(assembled frame creates a
40"x 29" supported area)

(32) size #8 2-1/2" long wood screws

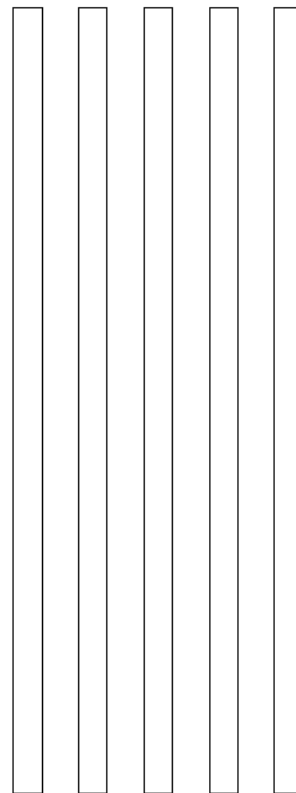
Prototype materials were purchased at the
"Blue Big Box Store" in Indiana in 2015:

"Premium" 2x4 @ \$3 each = \$15

4'x4'x1/2" plywood (really 15/32"
since even plywood is "nominal"
these days) @ \$14

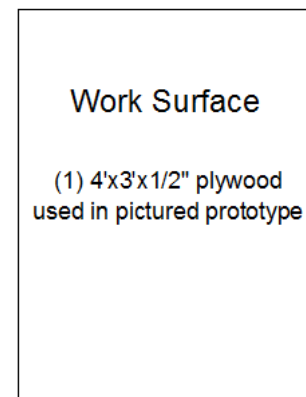
Box of 50 screws @ \$5

Total < \$40



(5) 2x4x8'

(32) #8 2-1/2" long screws

(1) 4'x3'x1/2" plywood
used in pictured prototype

Cut Part List:

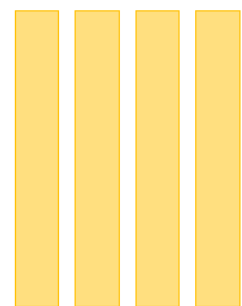
(4) 30" Legs

(4) 26" Leg Stretchers

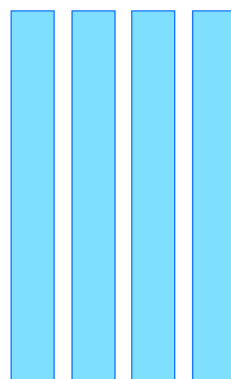
(4) 40" Long Stretchers

(4) 24" Long Braces

40" Long Stretchers

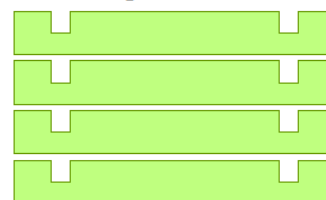


24" Long Braces



30" Legs

26" Leg Stretchers

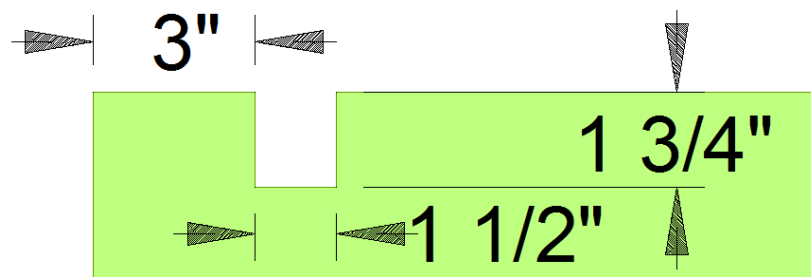




Cut the pieces from the (5) 2x4 as pictured. Due to blade kerf the pieces won't be exactly the length shown. The important thing is to cut all the pieces the same way so that each part type is the same length. When I built the prototype, I measured and marked all the lengths first and then cut the middle of the line. In this way, each piece was slightly undersized (nominal just like a 2x4 these days).



Cut notches near both ends of all stretchers. The notch is 3" from the end, 1-1/2" wide, and 1-3/4" deep. This will allow for the stretchers to create a half lap joint when the table is assembled. Adjust these dimensions as necessary if different size materials are used. The notch just needs to be the full width of the perpendicular stretcher and half of its height.





Assembly:

1. Screw (2) Legs and (2) Leg Stretchers together. Repeat.
2. Screw (2) Long Stretchers and (2) Long Braces together. Repeat.
3. Drop the Long Stretchers into the notches of the Leg Stretchers.
4. Place the Top onto the assembled frame.

