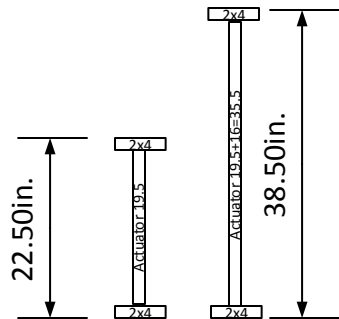
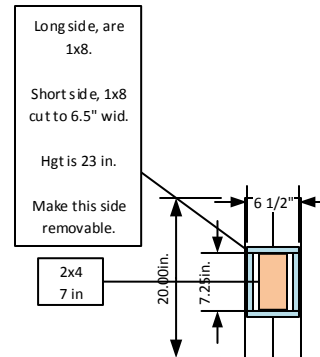


Using Windy LIN-ACT1BR-16 (amazon)
 Len is 16 + 4.13 in, or 20in to 36 inch.
 Base is 2.95 x 1.57
 12 V, 4.6amps, 225 lbs load.

Provide 16" of stroke.



With 2x4 block attach the actuators+block are about 22.5 in to 38.5 in in length.



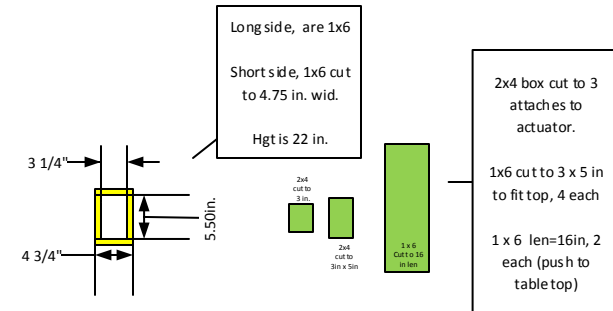
2x4 are 1.5x3.5

1x6 are $\frac{3}{4}$ x 5 $\frac{1}{2}$.

1x8 are $\frac{3}{4}$ x 7 $\frac{1}{4}$.

1x12 are $\frac{3}{4}$ x 11 $\frac{3}{8}$.

1 x 18 x 72 for monitor stand?



Top view for

1. base, outer tube (blue), actuator block (orange).
2. Intertube. (Yellow)
3. block for top of acutators (green)

Outer Wood Tube

4 each, 1x8, cut: len=23.

4 each, 1x8, cut: wid=6.5in, len=23in.

Inner Wood Tube

4 each, 1x6, cut: len=22.

4 each, 1x6, cut: wid=4.75, len=22in.

Top Actuators Block:

2 each, 2x4, cut: len=3in.

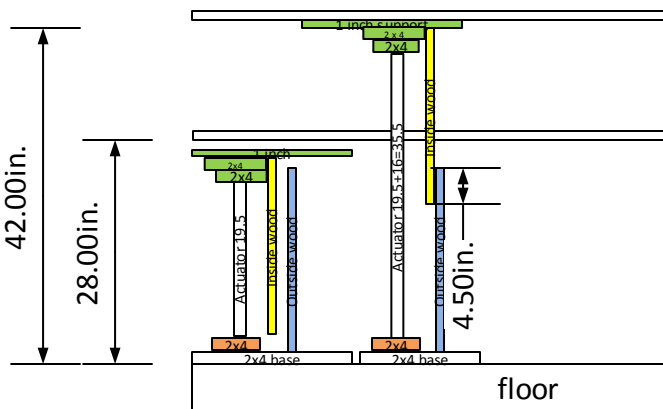
2 each, 1x7 cut to 3 x 5.

Bottom Actuators Block:

2 each, 2x4, cut: len= 7 in.

Base:

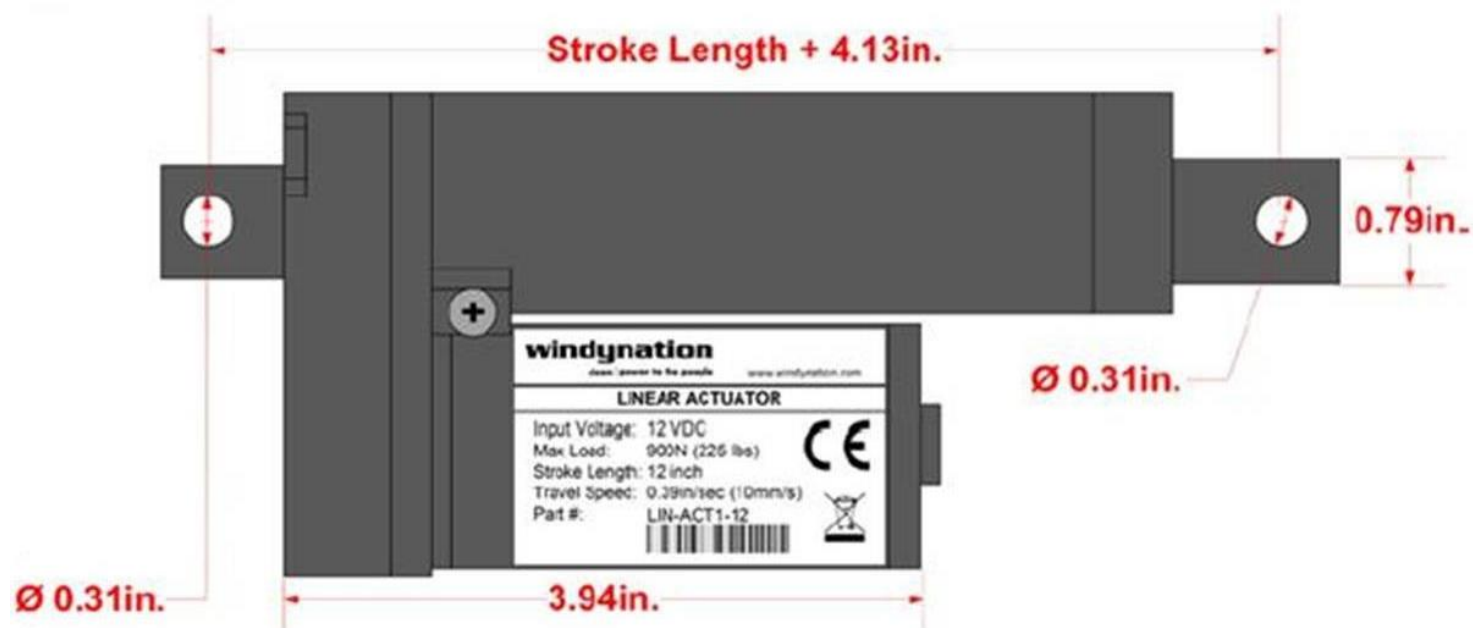
4 each, 2x4, cut: len=24 in.



Want to fit under a 30 in table (retract under 28 in). And Lift up to 42 in.

Stacking 2x4 on top give the added extended height.

Using 22 in len. inside wood, and 23 len. outside wood give >4 inch overlap on extended.



1. AC power switch, \$10

<http://www.digikey.com/product-detail/en/DC11.0001.203/486-2243-ND/641542>

2. 12v 8amp Power supply \$23, 6.22" L x 3.82" W x 1.50"

<http://www.digikey.com/product-detail/en/PMT-12V100W1AA/1145-1070-ND/4386541>

3. Rocker, DPDT, Mon-off-mon, 21Amp(DC). \$5

<http://www.digikey.com/product-detail/en/GRB260K101BBNN/CW129-ND/2349709>

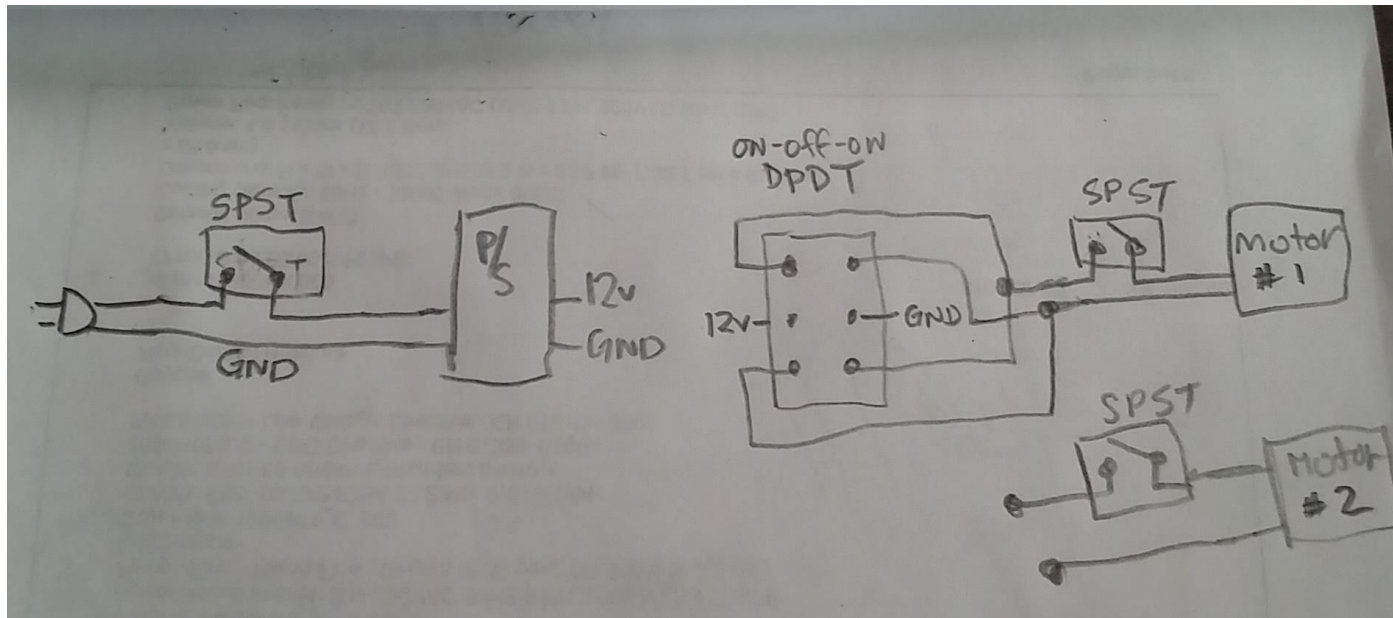
4. Rocker Switch, SPST, Off-on, 10Amp(DC), 2 x \$4

<http://www.digikey.com/product-detail/en/C1500WABB-B/1091-1161-ND/3459521>

5. Box 9.84 x 6.30 x 3.0, \$13.14

<http://www.digikey.com/product-detail/en/1598GSGY/HM251-ND/153176>

Face plate is 145mm x 67mm, or 5.57 x 2.63 in.



Box 9.49 x 5.82 x 3.0

Power Supply
6.22L x 3.82W x 1.5H

Face plate 147mm x 67 mm

