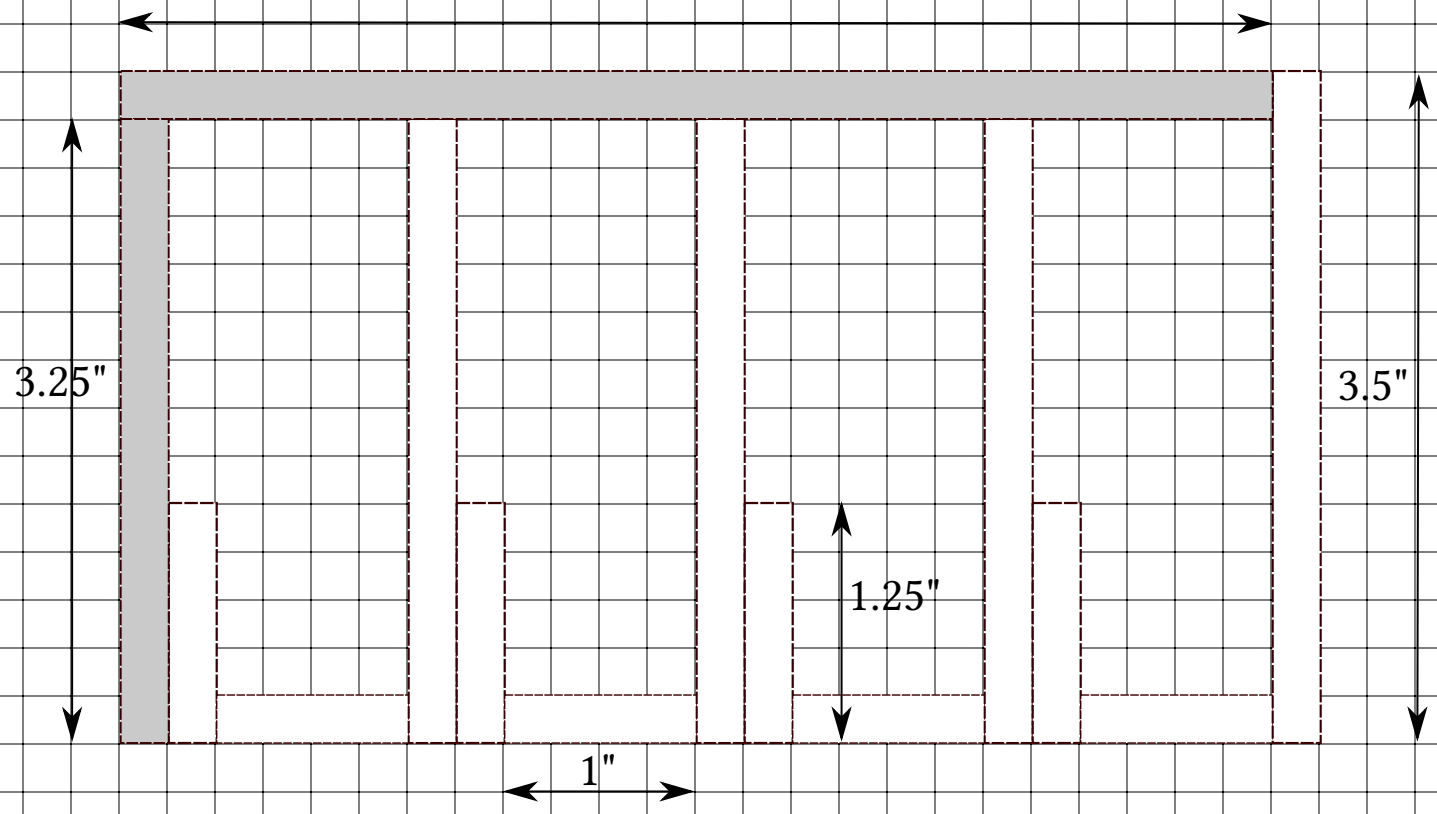


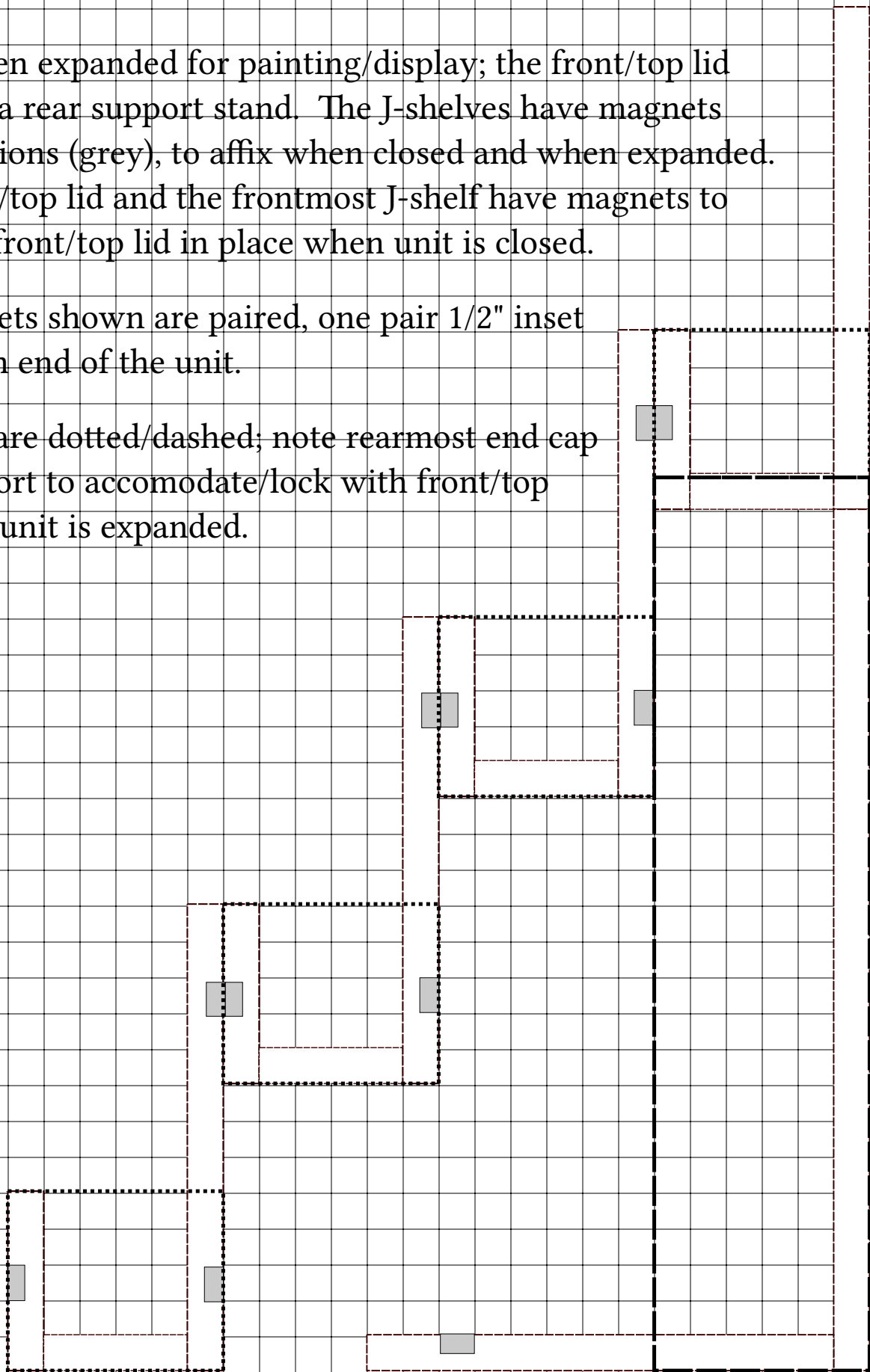
Composite End View: 4 J-shaped shelves, and front/top unit (grey); end caps omitted for clarity. 6"

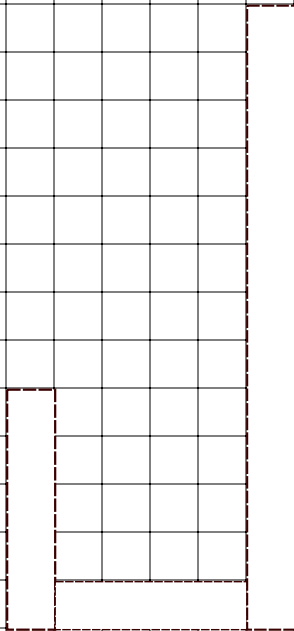


View when expanded for painting/display; the front/top lid becomes a rear support stand. The J-shelves have magnets in 2 positions (grey), to affix when closed and when expanded. The front/top lid and the frontmost J-shelf have magnets to hold the front/top lid in place when unit is closed.

All magnets shown are paired, one pair 1/2" inset from each end of the unit.

Endcaps are dotted/dashed; note rearmost end cap is 1/4" short to accommodate/lock with front/top lid when unit is expanded.





All pieces other than end-caps are simply 12" long boards shown on end-profile. J-shelf (end profile left) shown from behind below at 1/2 scale, and from the front (partial view of rear in gray) at far bottom.

1/2 scale rear view; just a 3.25"×12"×.25" board.

1/2 scale front view; a 1.25"×12"×.25" board.  
(Grey above is partially obscured rear board)

Board Inventory (all wood is 1/4" birch veneer plywood):

Lid top: 6"x12"

Lid front: 3.25"x12"

two lid sides: 6.25"x1.5"

Three J-shelf backs: 3.25"x12"

One rear J-shelf back: 3.5"x12"

four J-shelf floors: 1"x12"

four J-shelf fronts: 1.25"x12"

six J-shelf sides: 1.25"x1.5"

two rear J-shelf sides: 1"x1.5"

22 6mm x 3 mm magnets

If you have 3 12"x12" sheets of plywood, you can cut those final sizes as follows with minimal waste; they're ordered so that the strip with the loosest tolerance is last in case you wind up 1/16" short after subtracting blade wastage:

sheet 1:

One strip @ 6" x 12"

Four strips @ 1" x 12"

One strip @ 1.5" x 12", then cut into 1 1.5"x6.25" and 4 1.25" x 1.5"

Sheet 2:

One strip @ 3.5" x 12"

Two strips @ 3.25 x 12"

One strip @ 1.5" x 12", then cut into 1 1.5"x6.25" and 4 1.25" x 1.5"

Sheet 3:

Four strips @ 1.25" x 12"

Two strips @ 3.25" x 12"

Ordering the cuts:

1. Set blade to 6"; cut strip from sheet 1.
2. Set blade to 3.25"; cut 2 strips from sheet 2 and 2 from sheet 3.
3. Set blade width to 3.5"; cut one strip from sheet 2.
4. Set blade width to 1"; cut 4 strips from sheet 1
5. Set blade width to 1.5"; cut 1 strip from sheet 1 and 1 strip from sheet 2
6. Set blade with to 1.25"; cut 4 ends from each 1.5" strip and 4 strips from sheet 3.
7. Set blade width to 6.25" and cut 1 lid from each 1.5" strip.
8. Cut down 2 of the 1.5"x1.25" pieces to 1.5"x1".