Lego Table with shelves

Materials used

1 full sheet 19/32 Sanded plywood

1 Half sheet 3/4 Sanded Plywood – substitute pine or poplar for shelves

1 1x4x8 Pine or Poplar

2 pieces of exterior corner molding

Tools Used:

Kreg pocket hole Jig

Titebond glue

Ridgid 18 gauge nailer

Dewalt 12" compound sliding miter saw

SuperMax drum sander

1" and 1 ¼ " pocket hole screws

Sketchup 2017 for design

Cut list:

1 plywood top 30 ¼ x 40 ¼

4 plywood shelves 29 ¼ x 9 ½ - could be made of pine or poplar as well

4 plywood ends 10 x 18 ½

2 plywood backs 18 ½ x 29 ¼

2 shorter pine end rails 30 ¼ x 1

2 long pine rails for front and back 41 ¾ x 1

2 packages of DreambuilderToy

Upgrade Stackable Building Base Plates- Baseplate 10" x 10" in Variety Color ordered on Amazon

I used pocket holes and glue to attach backs to end pieces.
The back will sit inside of the two ends.
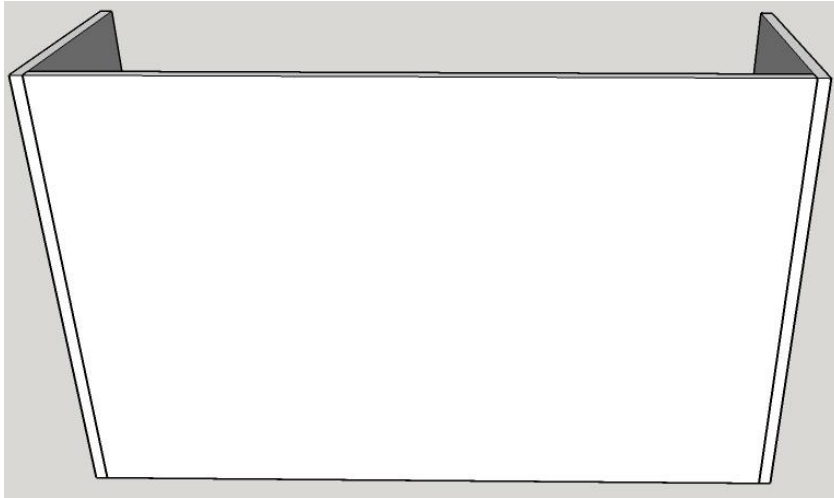
I used pocket holes to attach the shelves inside the boxes that will make up the support pieces for the top. See dimensions in larger pictures below
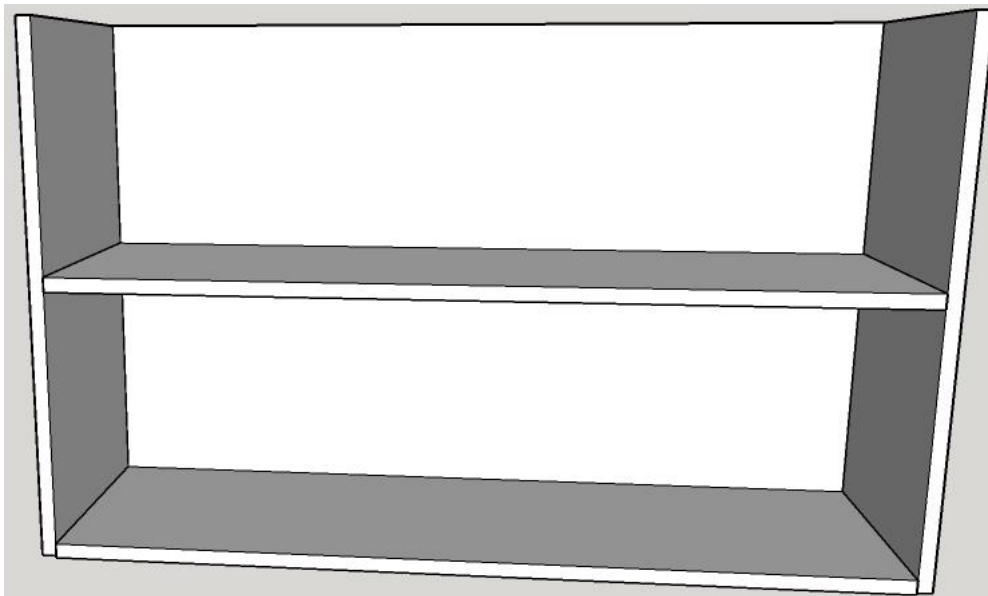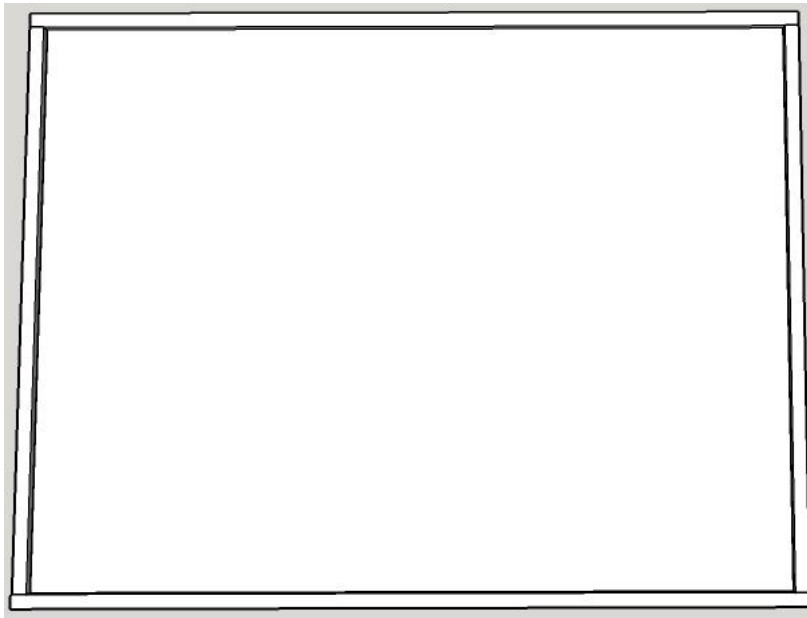
Cut the top to size and attach the shorter rails to the shorter edges of the top even with the corners.

Then attach the long rails to the long edges of the top.

The shorter rails will sit inside the longer rails.

These rails will be attached flush to the bottom of the plywood which will leave a lip so the Lego tiles will not slide off.

I left about an inch overhang all the way around when I set the top on the sides.
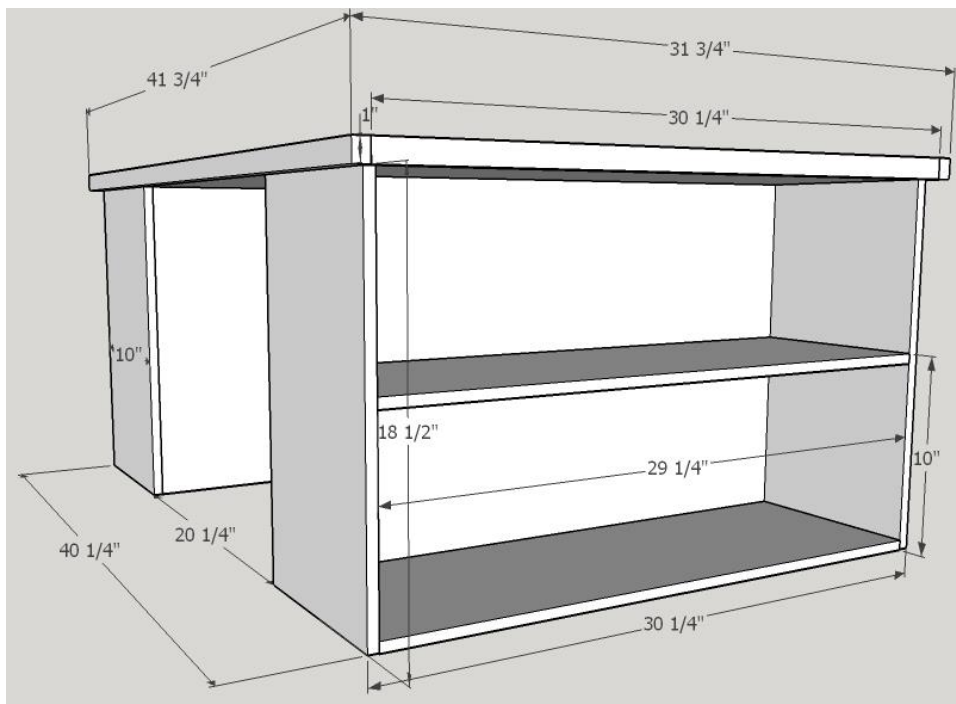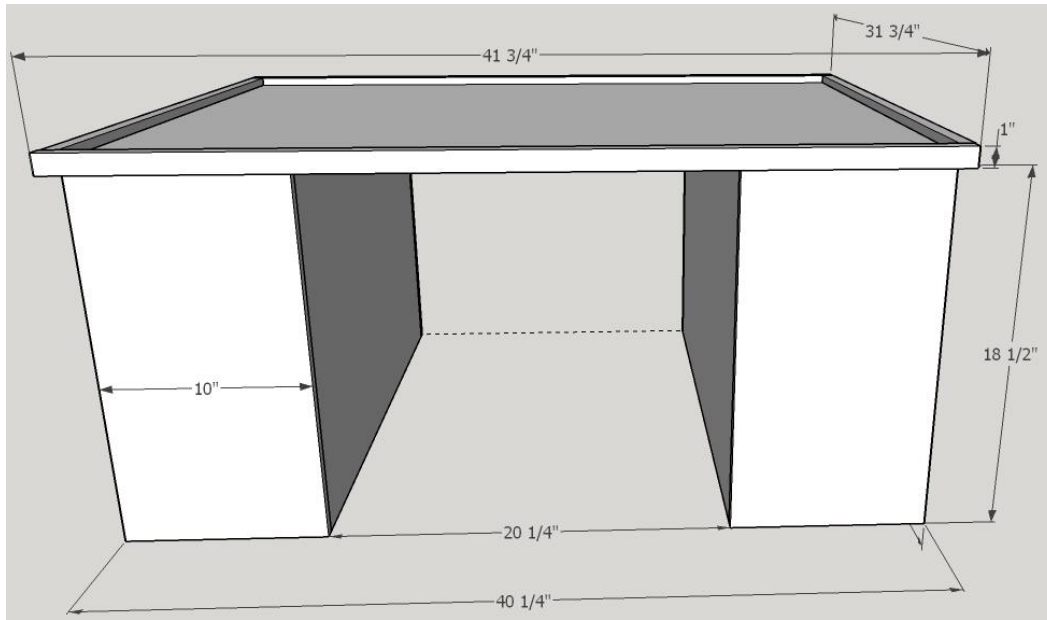
Additions I needed because of transportation issues.

I cut the top in half after build and put 3, 4" hinges on the bottom side so it folds in half.

The issue I face is that when setting the top back on the shelf walls it wanted to sag a bit in the center. So I place 2 supports between the shelf walls. This serves to support the top and keep the space correct.

Looking from top side with top removed