



DIY Indoor Playground Step-By-Step Guide

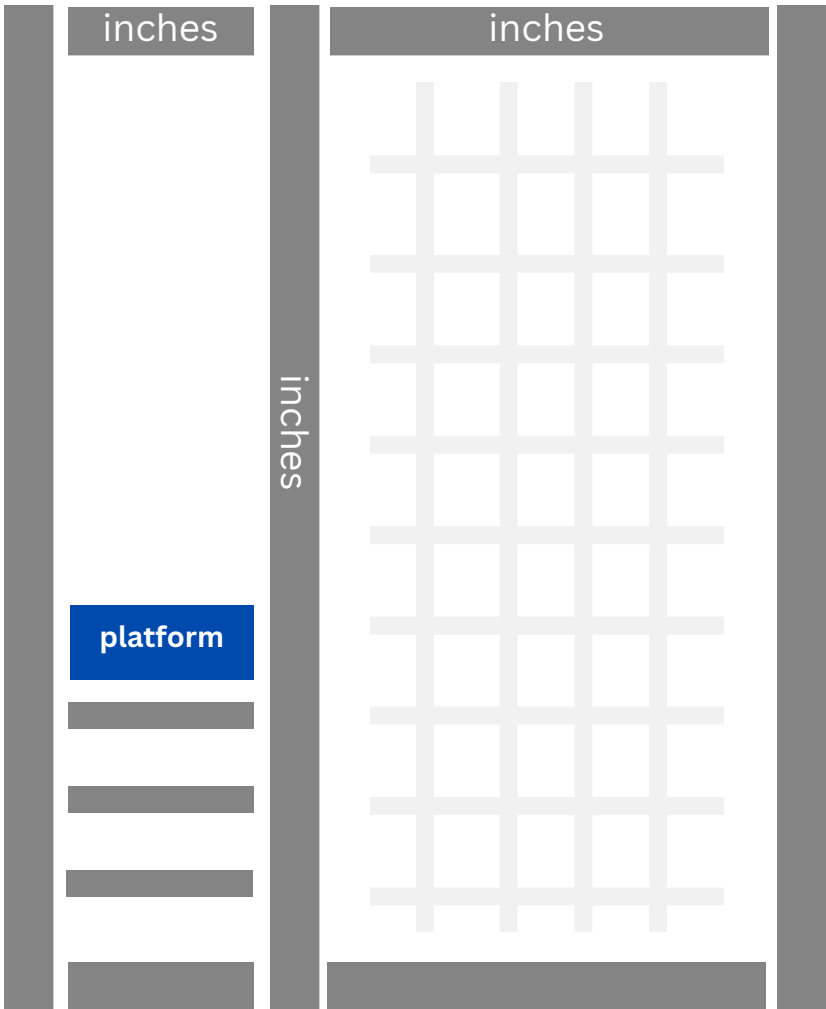
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Supply List

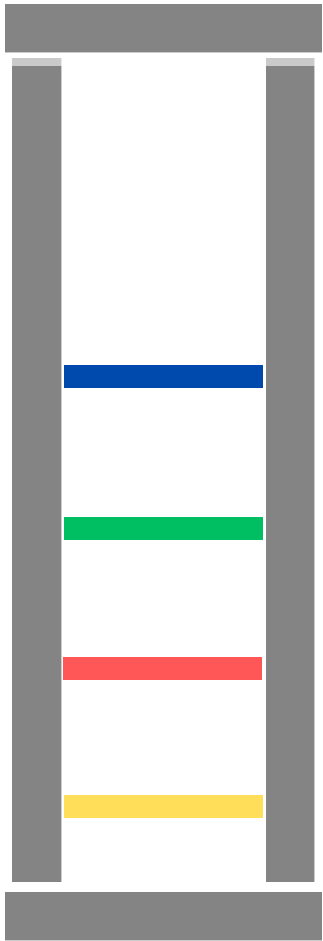
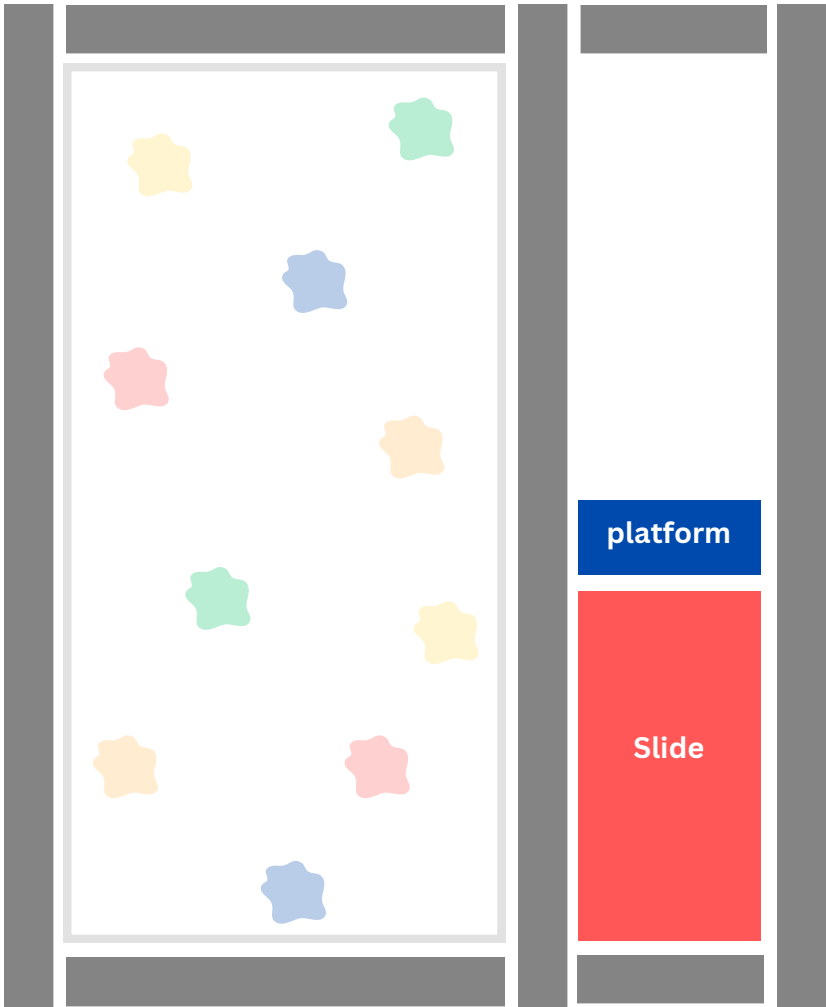
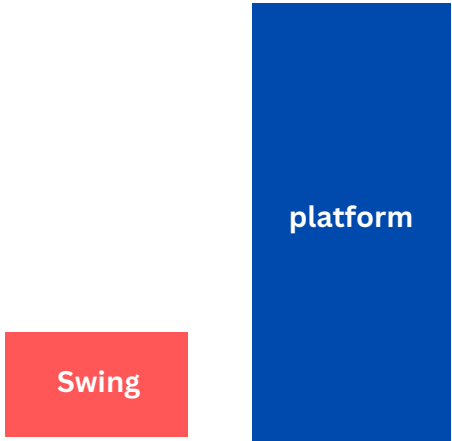
- (10) 2x4x8
- (2) 2x2x8
- (2) 1x2x8
- (1) 1x4x8
- 4x8' Particleboard
- 4x8' Hardboard
- 48" - 1" Dowel
- Wood glue
- 2 1/2" pocket hole screws
- Stain (I used Dark Walnut)
- Sealer (I used one-coat polyurethane)
- Primer
- Paint (I used blue, red, green, yellow, and white)
- Rock holds
- Slide (I used this slide from Little Tikes because I had it on hand, I just removed the steps. But my original plan was to build one from plywood. If you do this, just use polycrylic to make it nice and smooth)
- Rope
- 3/4" PEX pipe
- (4) 3/8 Hex bolt
- (4) 3/8 washer/nut set

Tools to Have on Hand

- Saw
- Drill/Impact driver
- Pocket hole jig
- Brad Nailer
- 1" Spade bit
- Drill Bit Set
- Lighter



Overview of parts



Step 1: Make your cuts & gather supplies

2x4s

(Side frames)

Six 59" (cut ends at a 75°)

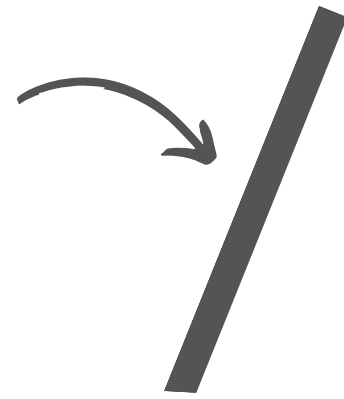
Four 18"

Four 27"

(Monkey bar frame)

Two 49 1/2"

Two 21 1/2"



1x4

Three 18" (steps)

One 14" (swing seat)

Dowel

Four 13" (monkey bars)

Particleboard

27" x 55 3/4" (rock wall)

17 3/4" x 36 1/2" (platform)

1x2

Two 45"

Two 24"

(Supports for rock wall)

2x2

Two 17 5/8"

Two 33 1/2"

(Platform frame)

Hardboard

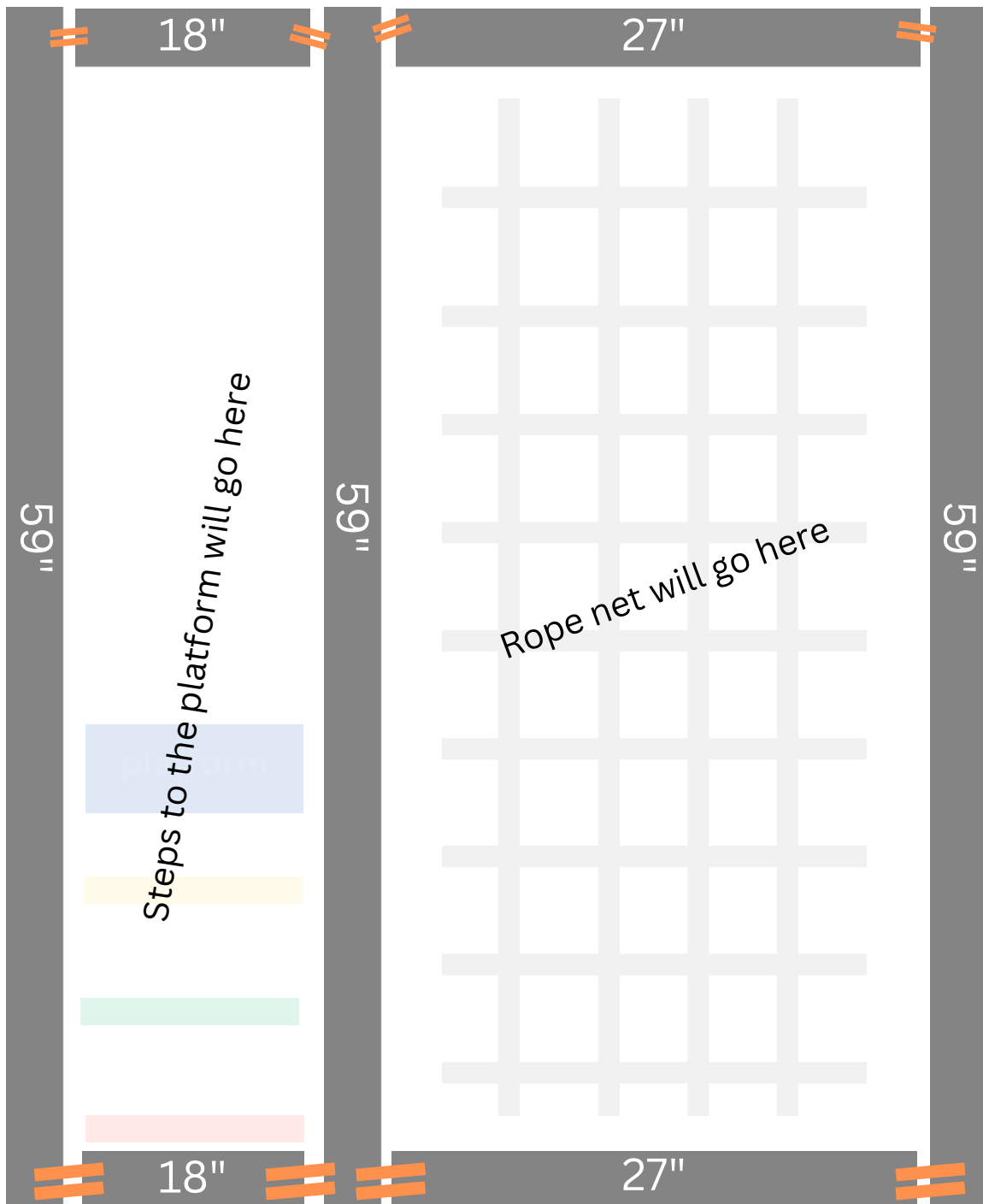
55 1/2" x 27" (back of rock wall)

3/4" Pex Pipe

Two 32" (swing)

Step 2: Build side frames

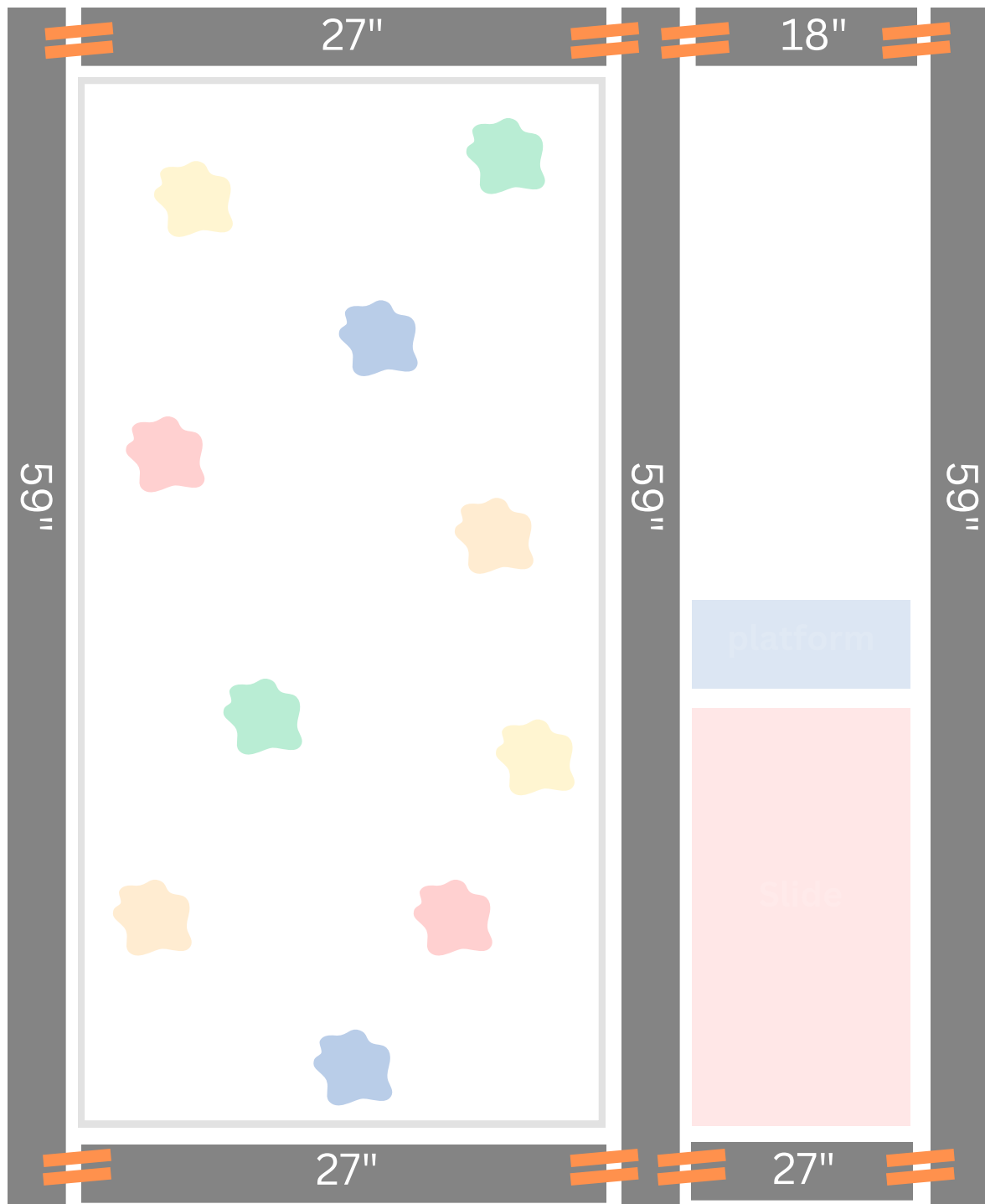
- Start by assembling both main frames using pocket holes.



Pocketholes= 

Continued

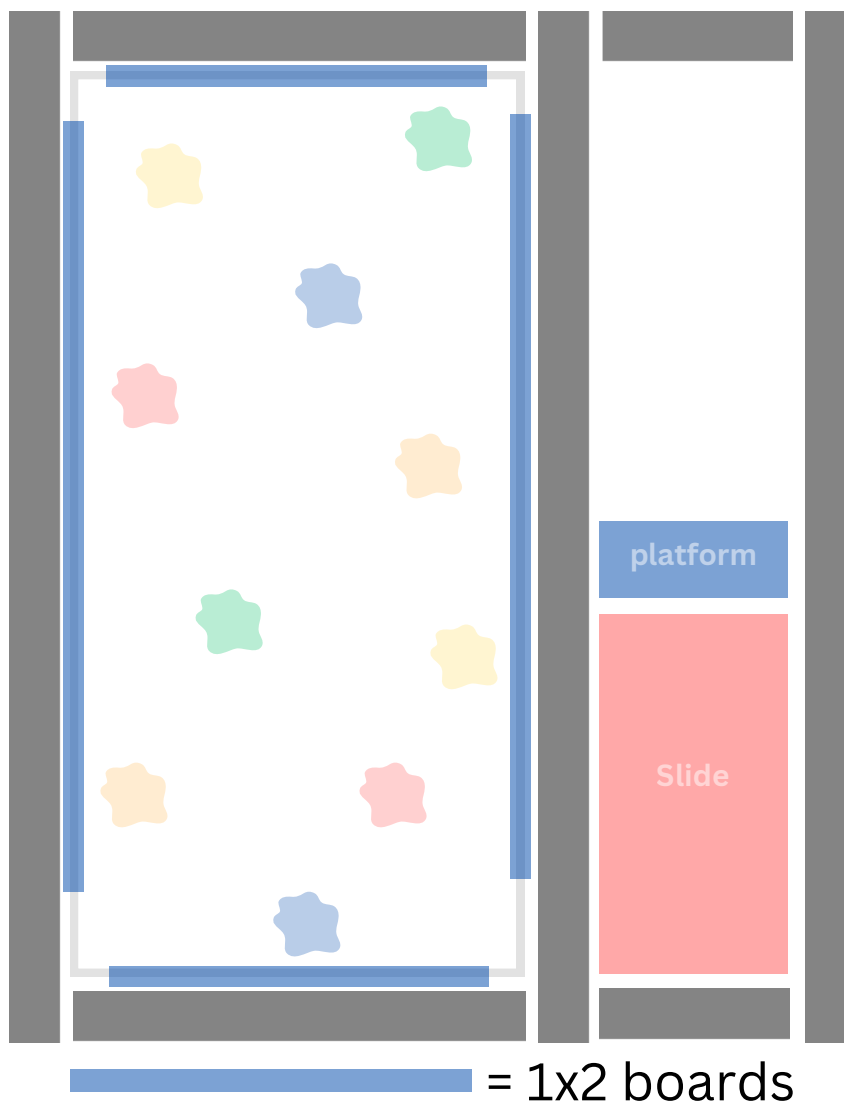
Step 2: Build side frames



- Thoroughly sand each side of both frames, especially areas around the pocket holes.
- Stain and seal both frames.

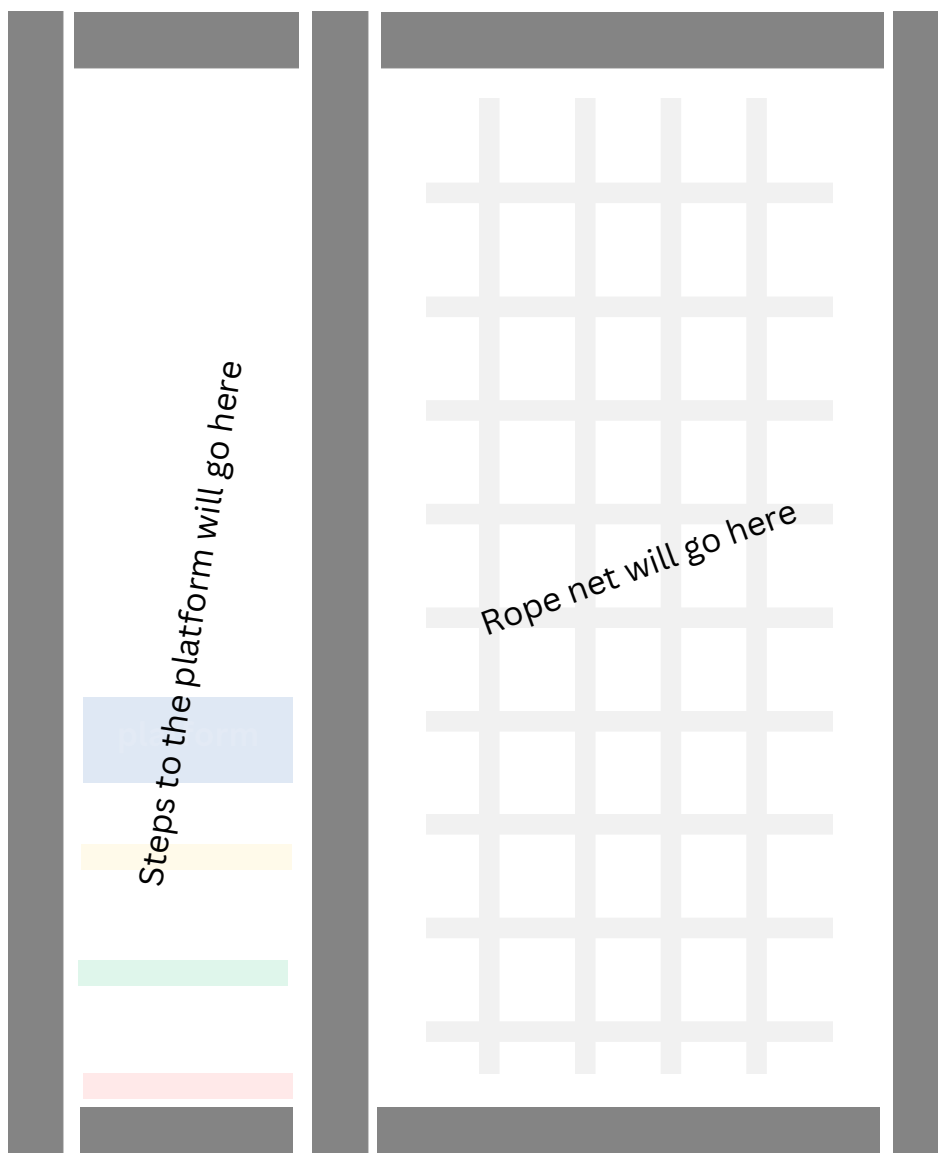
Step 3: Assemble Rock Wall

- Prime and paint one side of your particle board white. After the paint dries add a coat of polyurethane.
- Brad nail and wood glue 1x2s along each side of the frame that will hold the rock wall. You want them to be set in about 1-inch.
- Set the particle board against your braces and brad nail it into place.
- Spread out your climbing rocks and decide where you want them placed. Mark the holes, drill and attach.
- Brad nail your hard board to the back of the rock wall. This will cover up the exposed bolts from the rock holds.



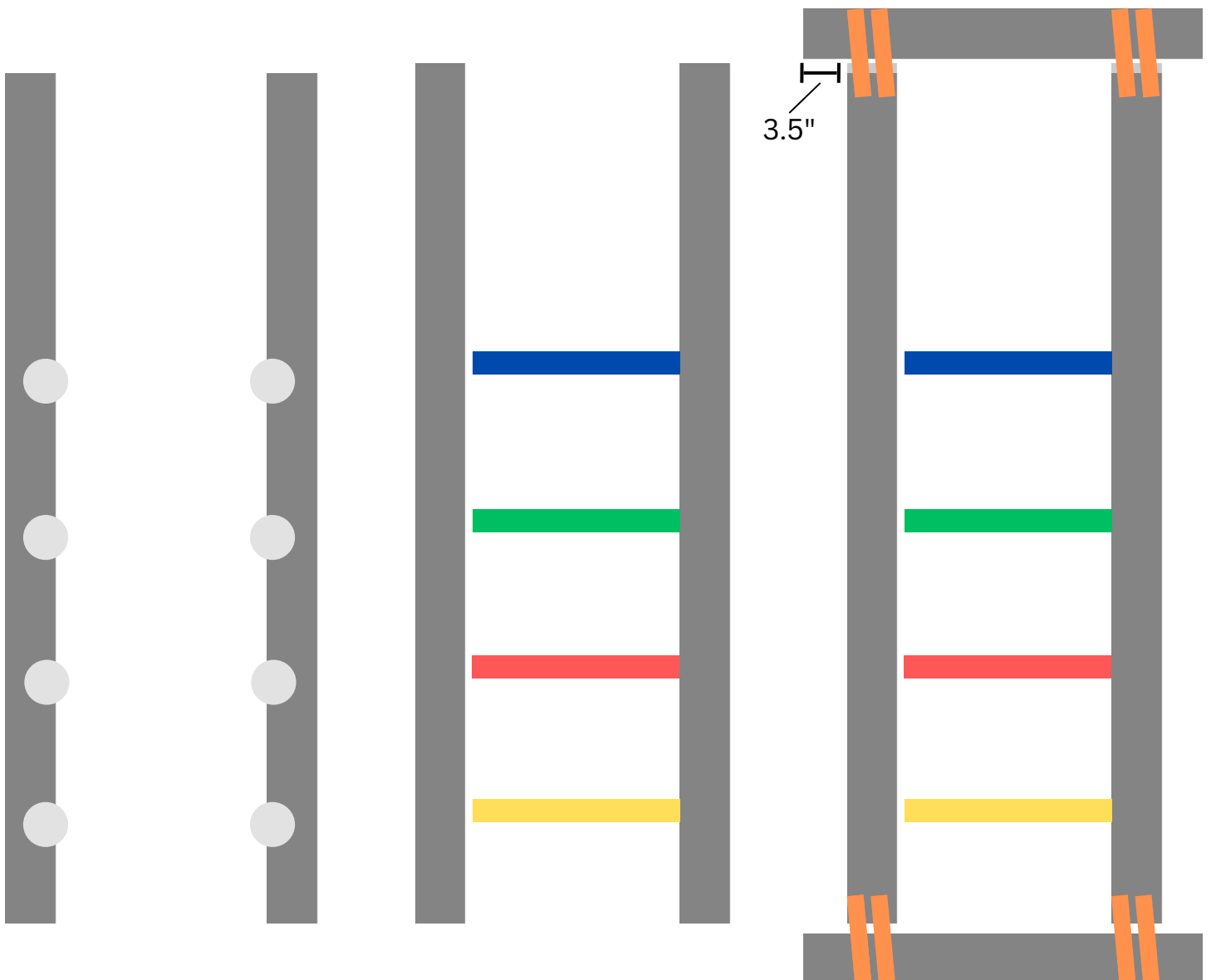
Step 4: Assemble Rope Wall

- With a 3/8" bit, drill a hole every 6" along each side of the rope wall square. You should end up with 4 vertical ropes and 9 horizontal ropes. I recommend measuring and marking all the holes before drilling.
- Start by tightly tying all your horizontal ropes. Using a lighter to melt each knot.
- Then you will start your vertical rows tying a know at each cross section. [This video](#) is especially helpful for the specific knot needed. Start at the 2:05 minute mark. <https://www.youtube.com/watch?v=7AW08tSEqGk>



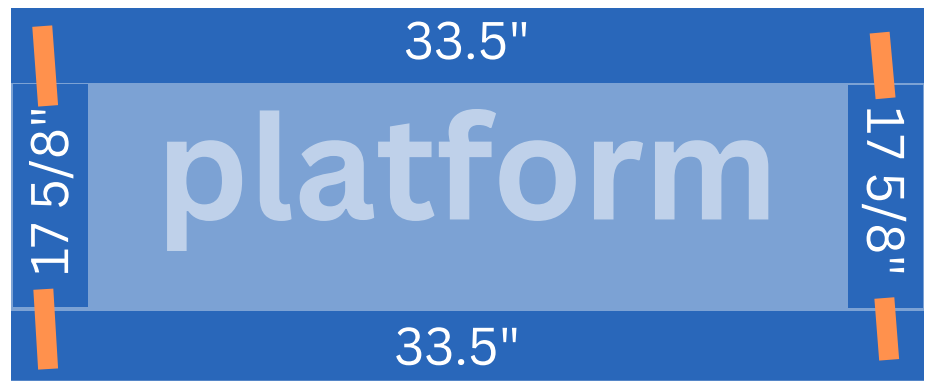
Step 5: Assemble Monkey Bars

- Sand, stain, and seal the four 2x4's included in this portion.
- Paint monkey bars desired color, allow time to dry.
- Using a 1" spade bit, drill a hole every 5.5" inches, on the inside edge of your two 49 1/2" 2x4s. The hole created by the spade bit should be 3/4" deep.
- Add wood glue in each drilled hole, and insert monkey bars.
- Attach end pieces to monkey bars. There should be 3.5" excess on each side, this will be where you attach it to the main side frames.

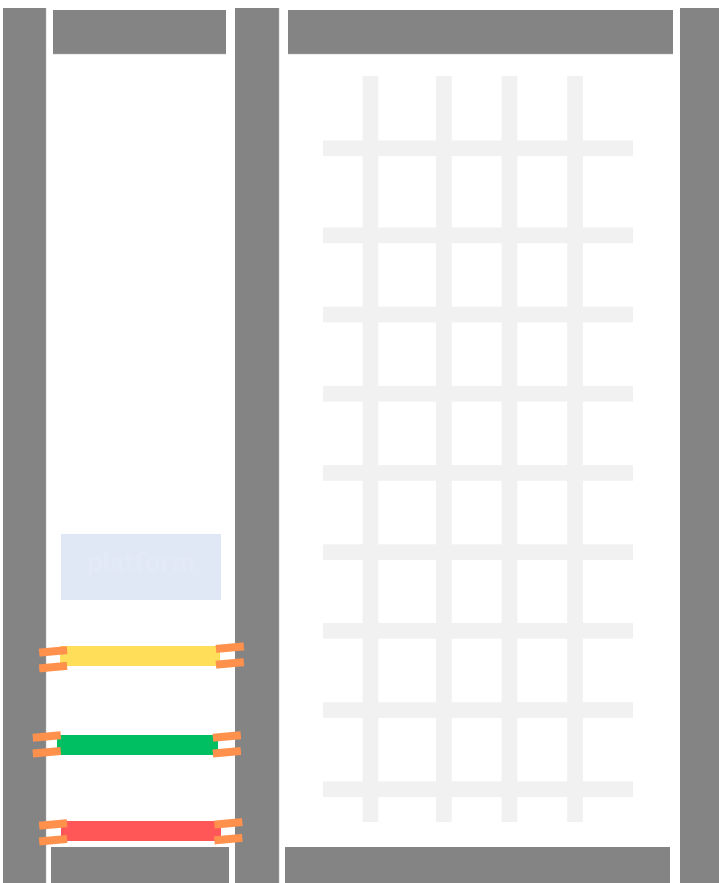


Step 6: Build your slide platform

- Create a rectangular frame with your 2x2s and pocket holes.
- Brad nail and wood glue the particle board to rectangular frame.
- Paint platform your desired color. Add a protective topcoat.
- The platform will be connected once the two frames are attached to each other in step 9.



Step 7: Add steps up to platform



- Paint your three 1x4 boards your desired color.
- Attach to the section next to the rope wall using pocket holes. Start with the first step resting on the bottom frame. Then attach the other two 5.5" inches apart angled to about 75 degrees.

Step 8: Connect three main pieces

This step will require 2-3 people.

- Have one person hold up one side of the main frame (either rock wall or rope wall side). Then have one or two people lift up the top frame (with the monkey bars). The top (monkey bar) frame should slide on snugly against the outside of the main side frame.
- Drill a 3/8" hole from the outside of the monkey frames through the main frames. This is where your bolts will go.
- Slide the bolt through the frames and tighten with nut and washer.
- Do the above steps for all four corners.



Step 9: Add Platform

- Take the rectangular platform you built in step 6 and slide it in between the gaps above the steps. You may need to adjust the angle of your frames a little. Place the platform 23" from the ground.
- From underneath, screw through the 2x2 into the 2x4 frame on all four corners. Add L-shaped brackets if needed.

Step 10: Add Swing and Slide

As I mentioned earlier, I used a Little Tikes slide. I liked the ease and convenience of it. Plus I had it on hand. Originally I was going to use plywood to build a slide, so that is definitely an option too!



- To attach the slide, I removed the little blue handles and screwed into the platform. The handles went back on easily and it has held together great!
- For the swing, drill two holes in the top piece next to the monkey bars. Thread the rope through and have it hang down about 40". To avoid the worry of strangulation, thread the rope through 3/4" PEX pipe.
- For the seat of the swing, take your 14" 1x4 board. Drill four holes in each corner of your "seat". Thread the rope through, tie a knot and melt the knot with a lighter.