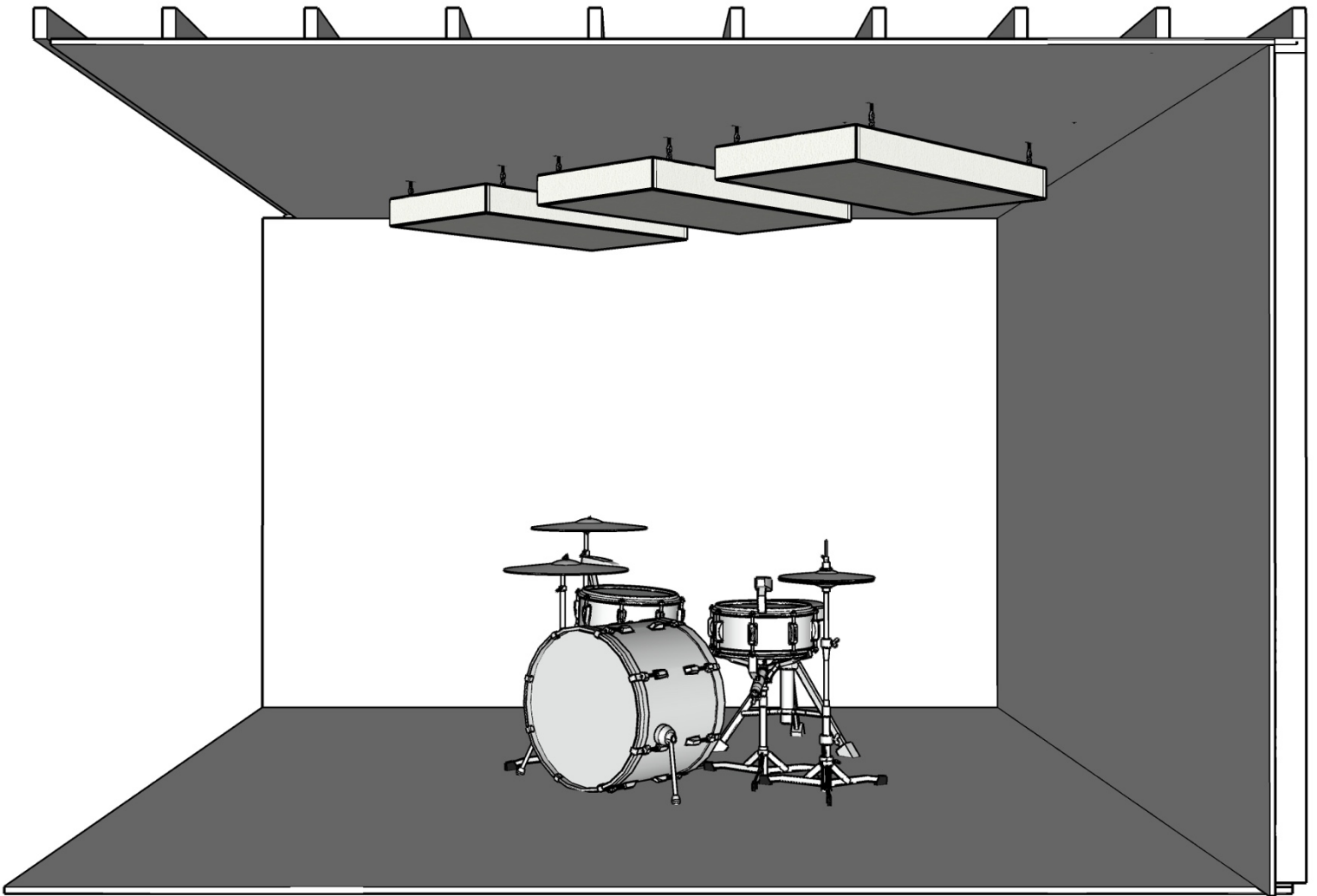
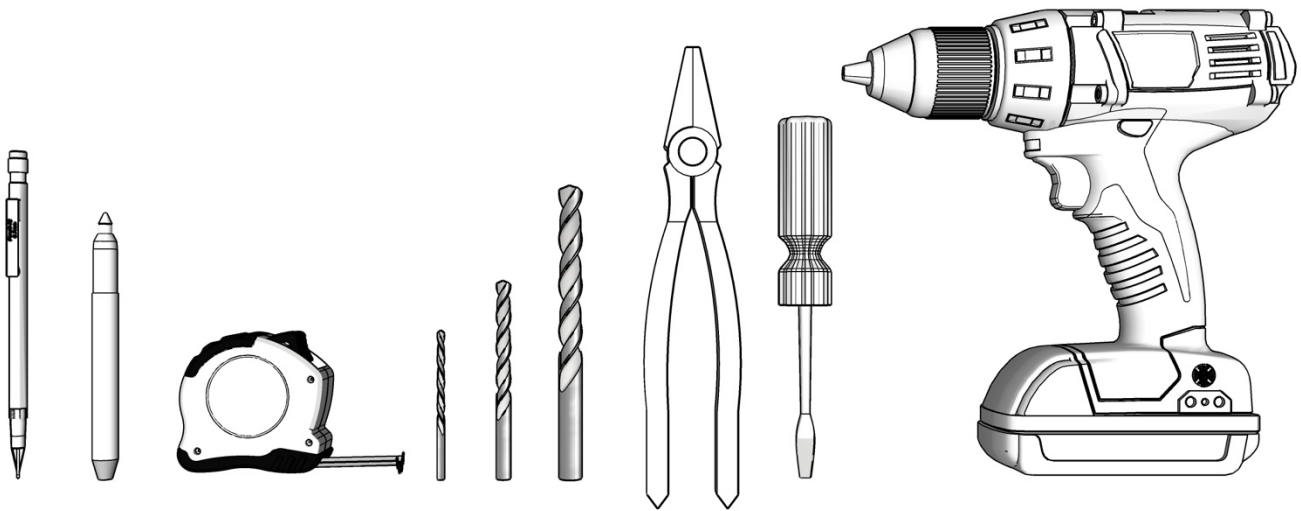


ceiling panel installation guide

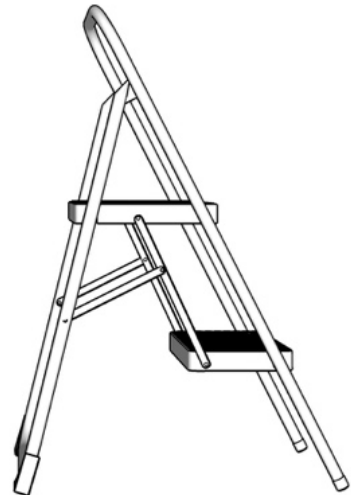
for broadband and bass trap acoustic panels



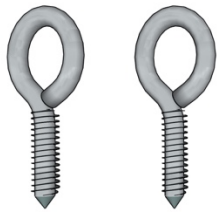
required tools



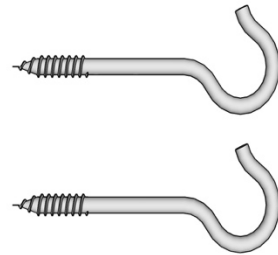
1. pencil & marker
2. tape measure
3. 1/8" drill bitt
4. 3/16" drill bit
5. 1/2" drill bit
6. flat head screwdriver
7. pliers
8. drill
9. step stool or ladder
10. a piece of paper!



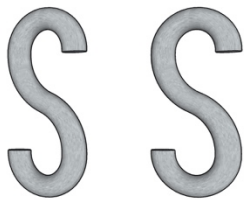
hardware (per cloud)



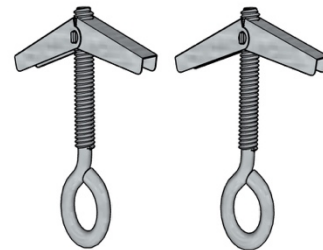
eye screws x4



screw hooks x4
(use with ceiling joist)



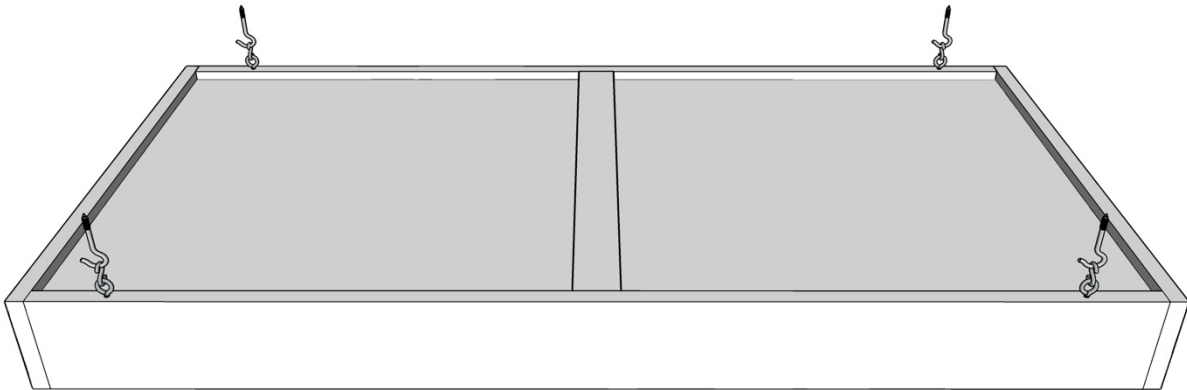
s hooks x4



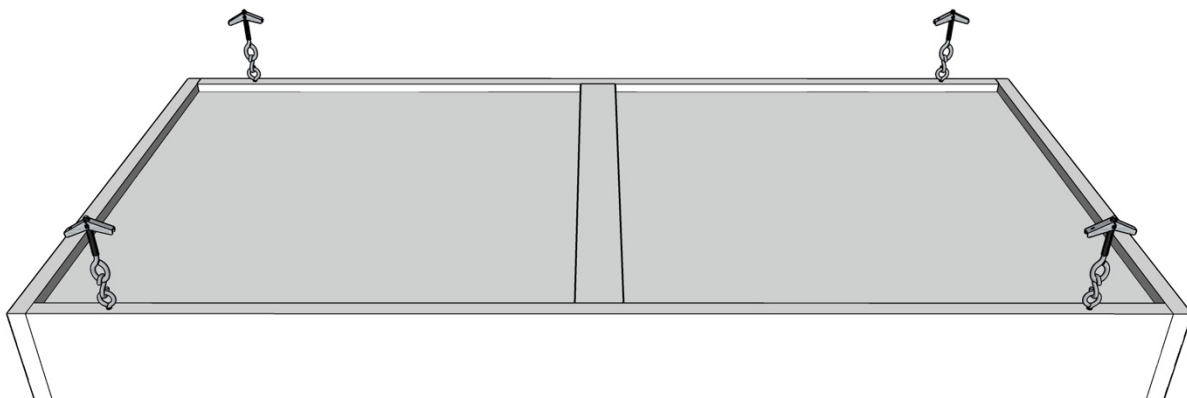
toggle bolts x4
(use if panel does not align with joist)

completed assemblies

screw hooks – use when hardware can be secured into joist



toggle bolts – use when the joist and the hardware on the acoustic panel do not line up



please read install guide completely before starting your installation.

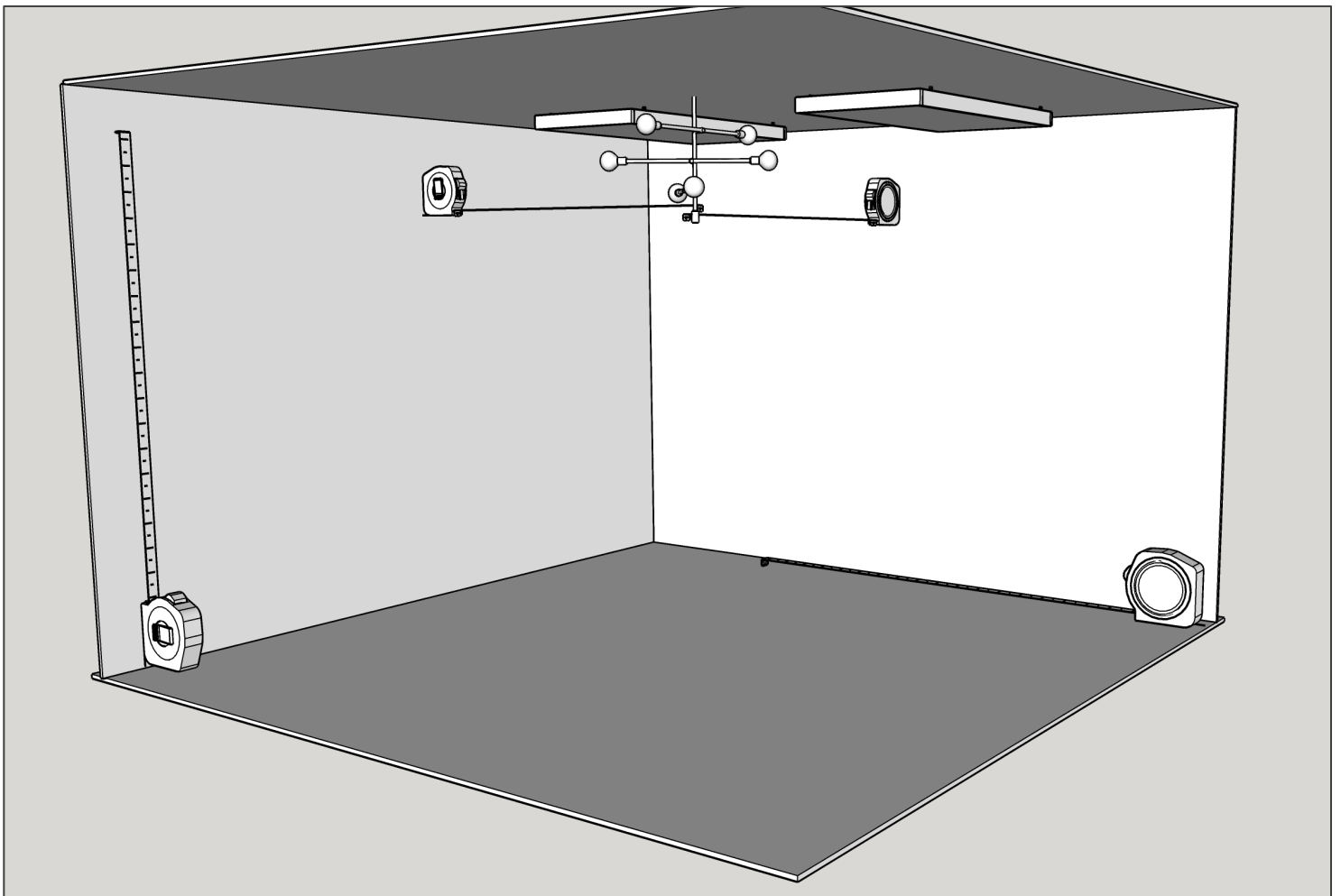
this is not a hard installation but requires careful planning and accurate measurements. plan to spend 30 to 60 minutes per panel.

*we have created templates that can be printed to help get your room drawings started. they can be found at the end of the guide.

step 1 – measure your room

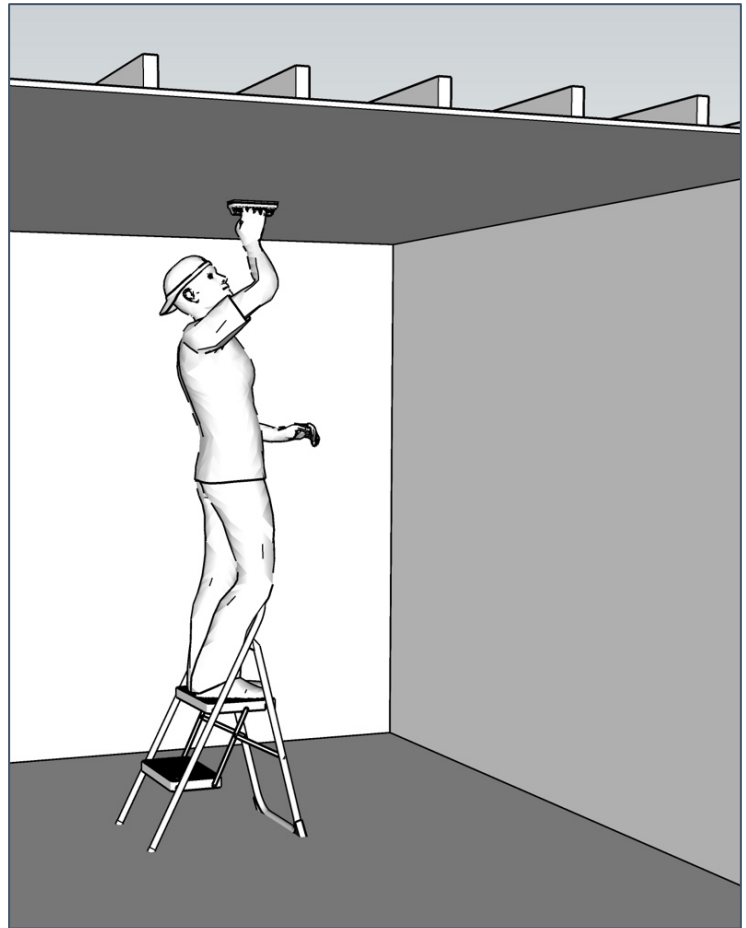
A. measure room and ceiling obstructions to determine where the panel(s) will go

B. add your room's dimensions to the room templates attached at the end of this guide



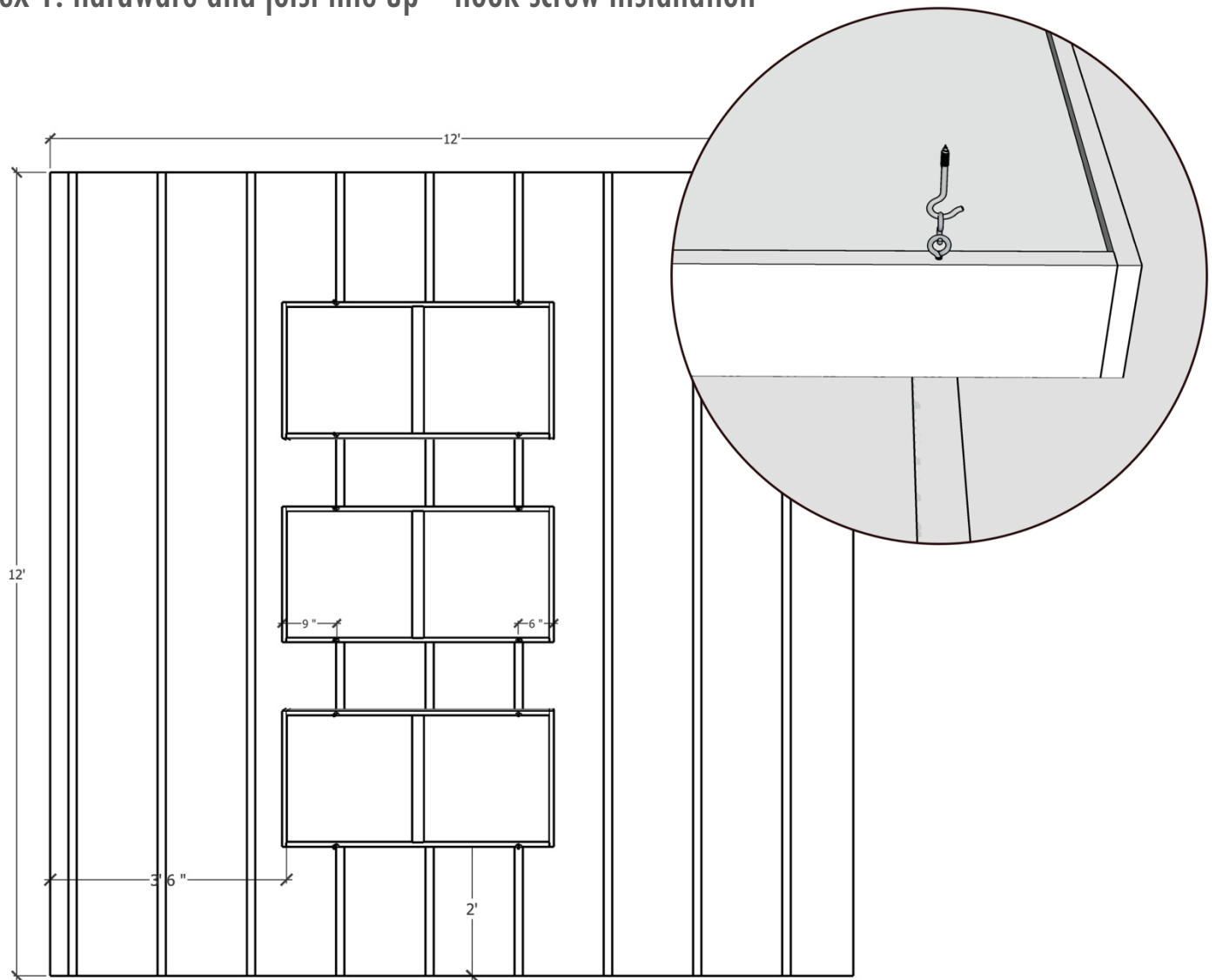
step 2 – locate ceiling joist

- a. find and mark the joist locations
- b. this will be much easier with a stud finder but can be done by knocking on the ceiling with your fist.
- c. add joist locations to the sketch of your room



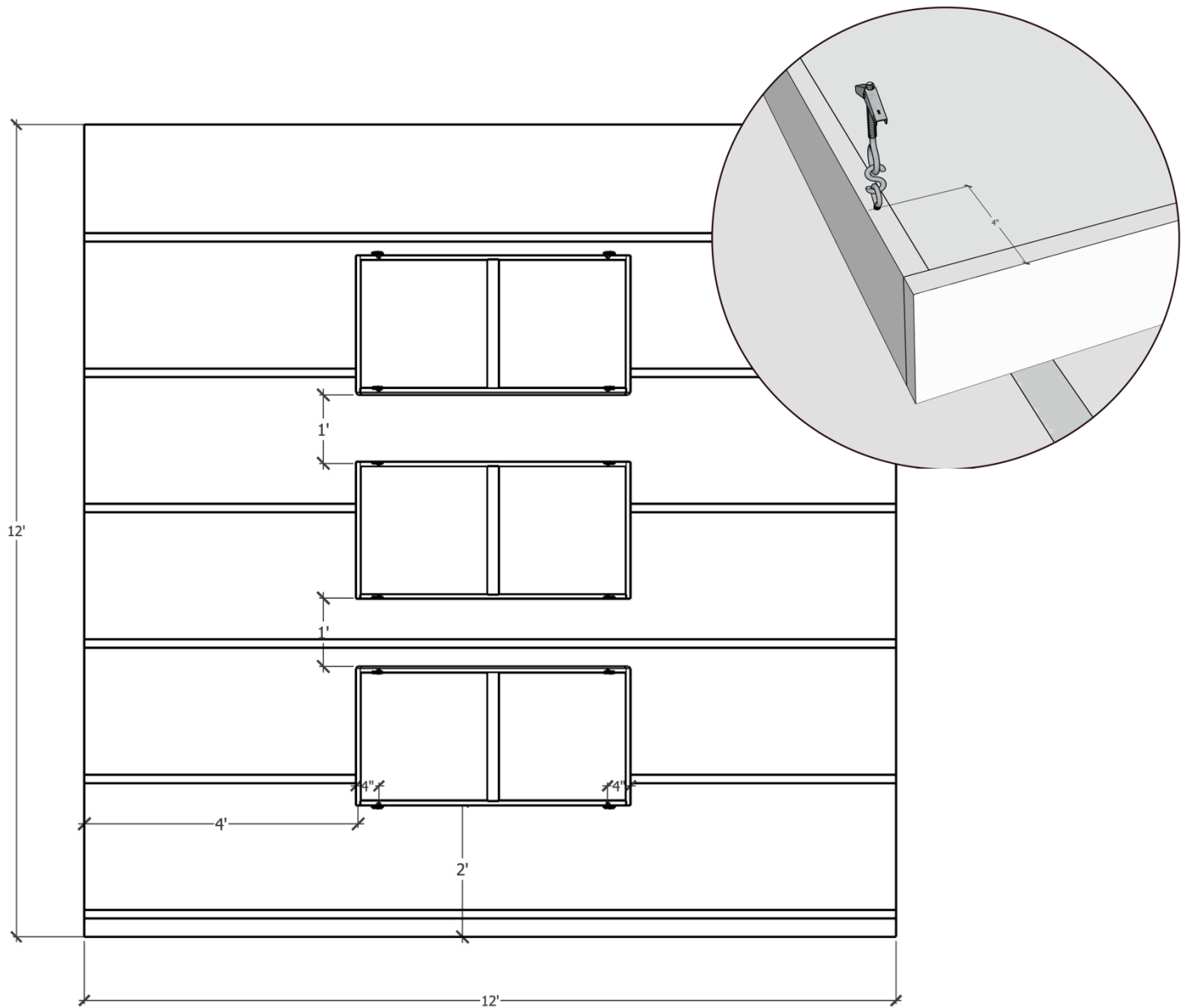
step 3 – add acoustic panels to your room layout

ex 1. hardware and joist line up – hook screw installation



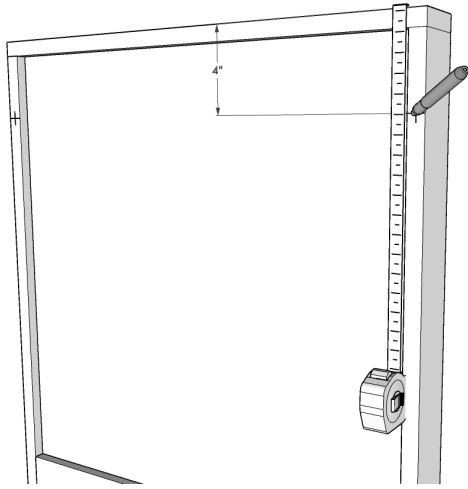
* measurements shown above are just an example. measurements will vary from room to room.

ex 2. hardware and joist do not line up - toggle bolt installation



* measurements shown above are just an example. measurements will vary from room to room.

step 4 - attach eye screws to acoustic panel

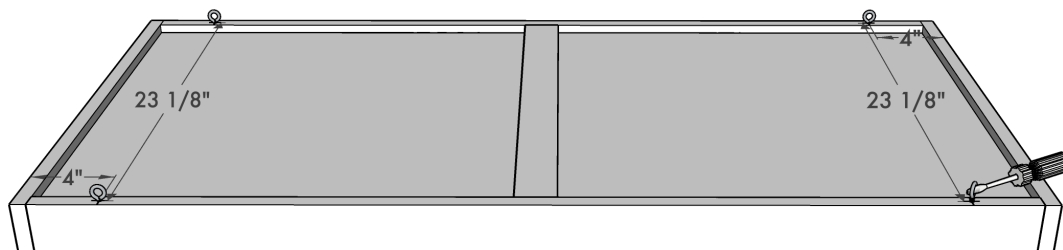
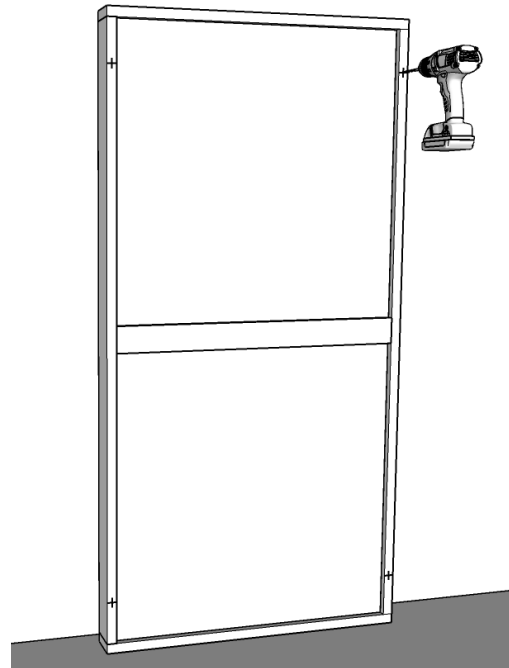


a. measure and mark the eye screw locations, 2 per side (location will vary based on room layout determined in step 3)

b. using an 1/8" drill bit - predrill holes for eye screws

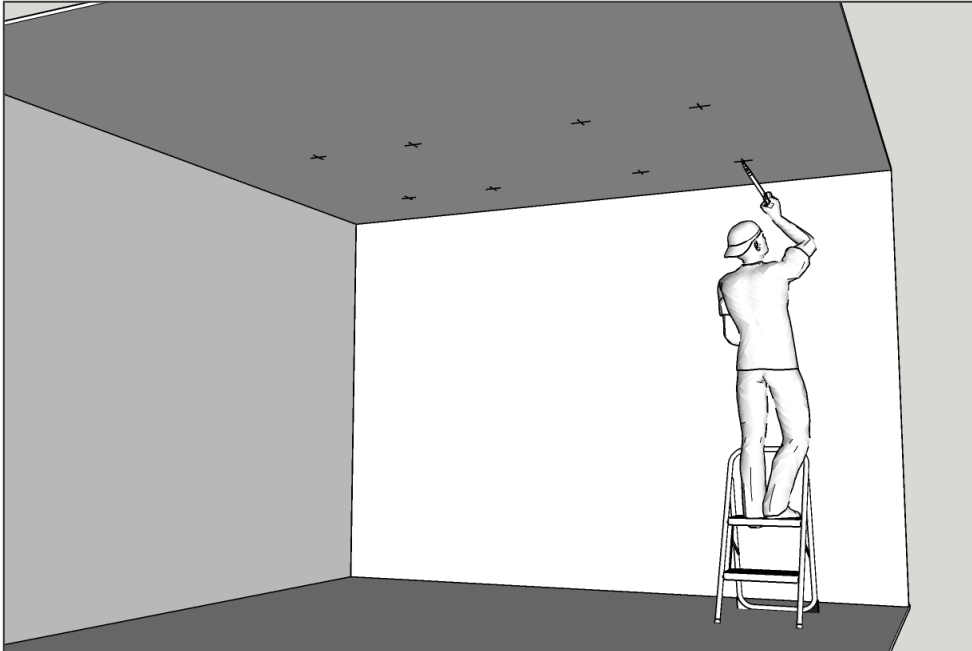
c. screw in eye screws

*a flat head screwdriver may be used to tighten the eye screws



* measurements shown above are just an example. measurements will vary from room to room.

step 5 – mark out the ceiling



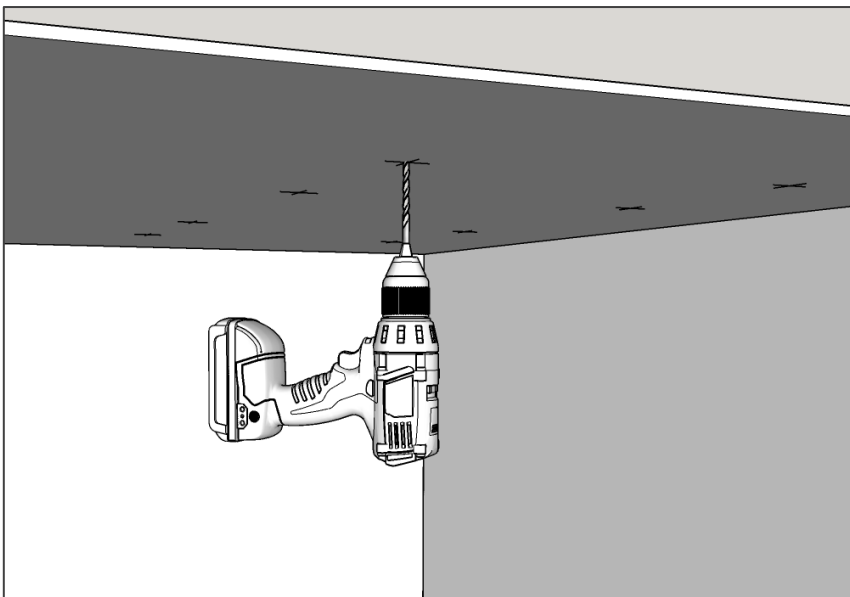
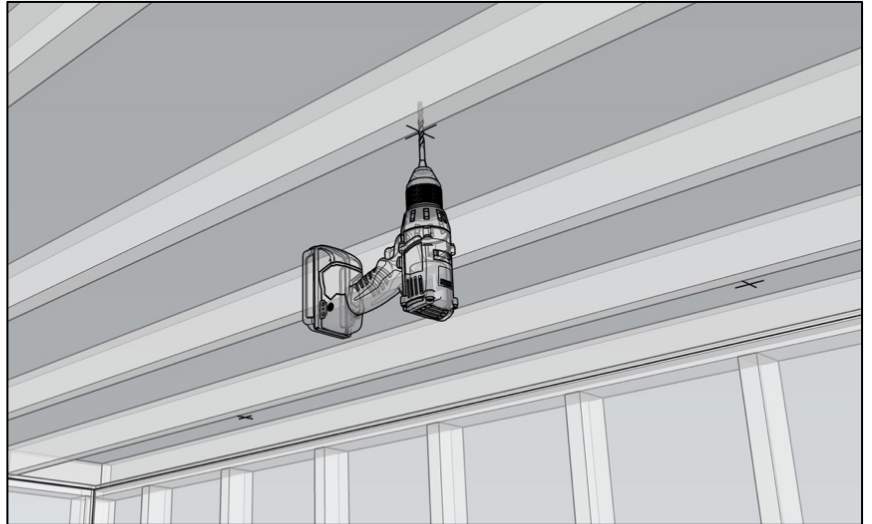
a. transfer hardware locations from your sketch to the ceiling

step 4 – drill pilot holes

not so fast there! screw hooks in ceiling joist or toggle bolts, that is the question...

step 4 – drill pilot holes cont.

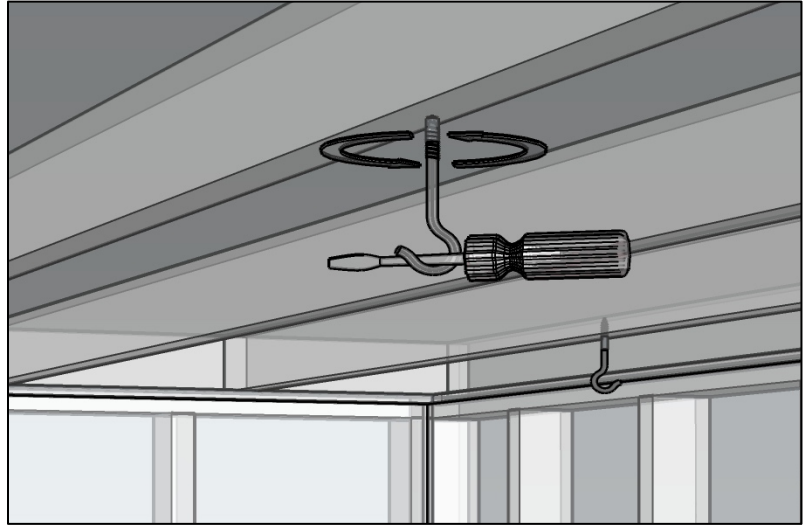
option a:
using 3/16" drill bit,
drill pilot holes for
hook screws



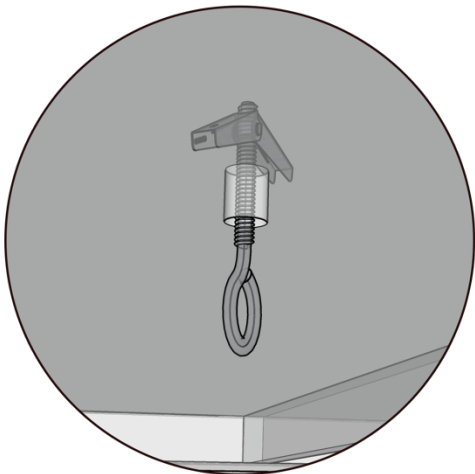
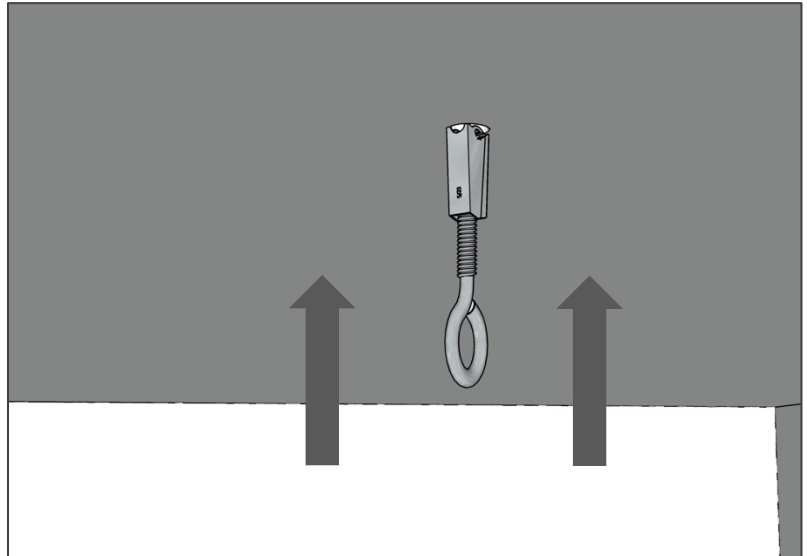
option b:
using a 1/2" drill bit,
drill pilot holes for toggle
bolts

step 5 – attach hardware to the ceiling

- a. fasten screw hooks to the ceiling joist



- b. push toggle bolt through pilot hole.

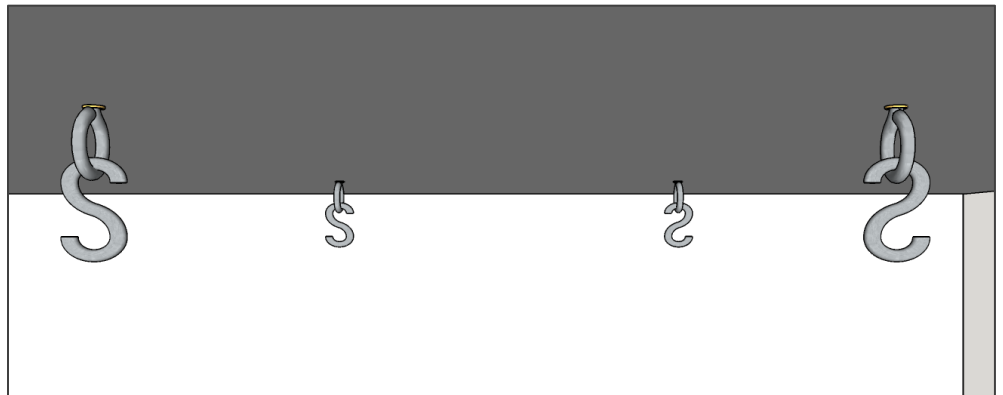


*make sure the wings have fully opened on back side of drywall.

step 5 – attach hardware to the ceiling cont.

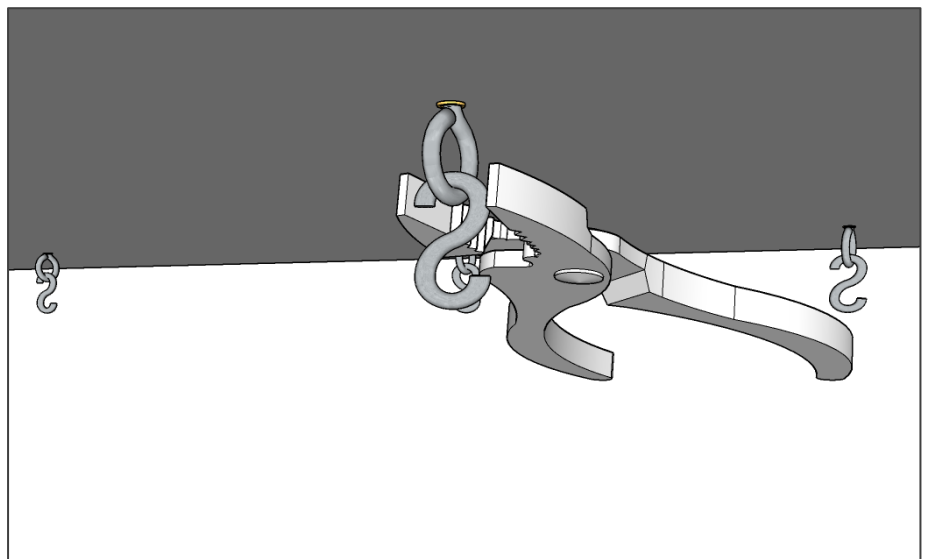
c. attach s hooks to eye screws.

*using s hooks with screw hooks is not required but does make hanging the panel easier.

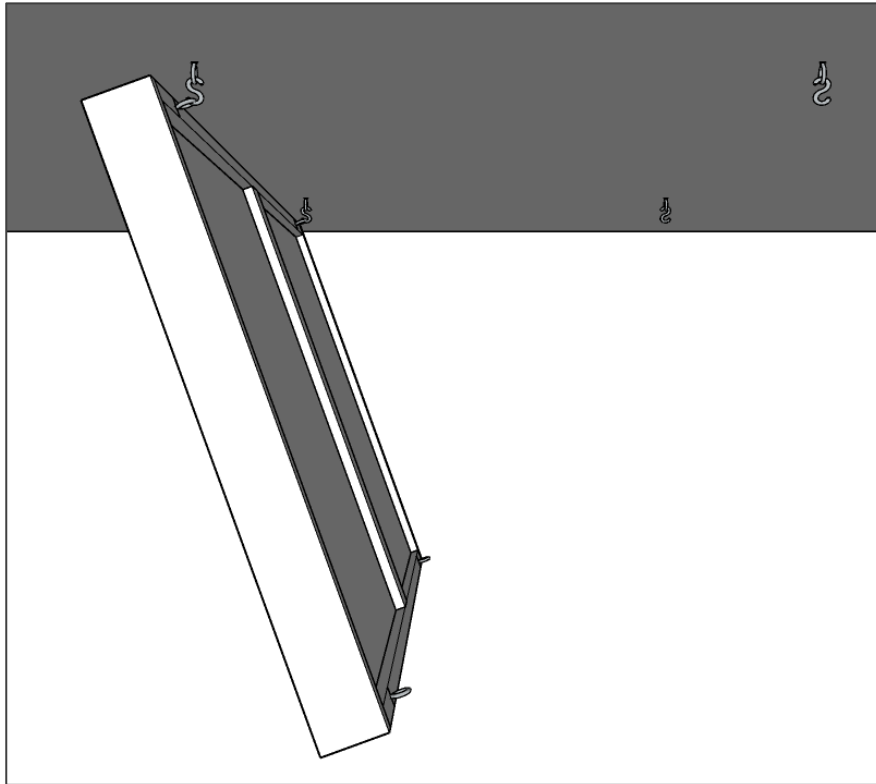


tip: attach s hooks facing out to make hanging the panels easier

d. using pliers, pinch s hook shut around eye screw to secure it

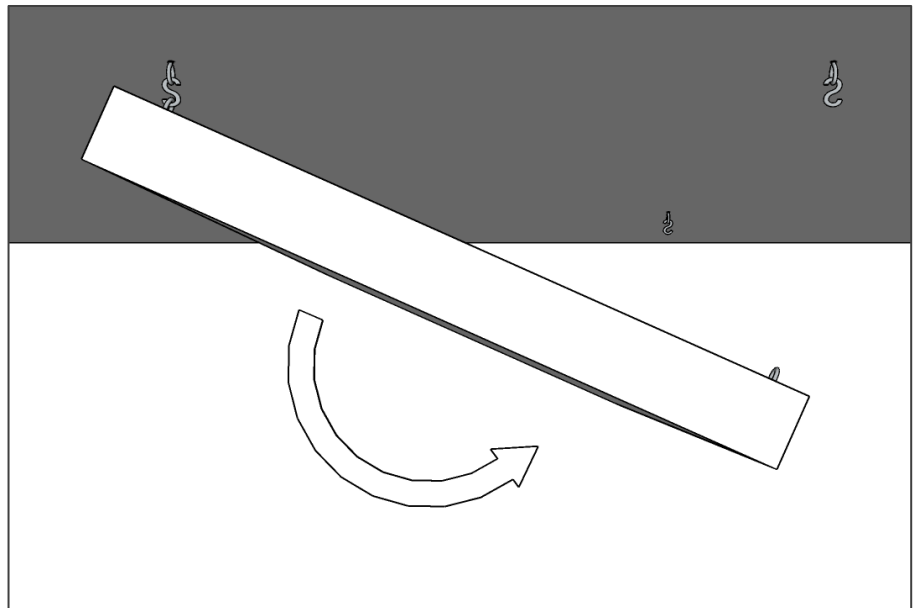


step 6 – hang the panel!

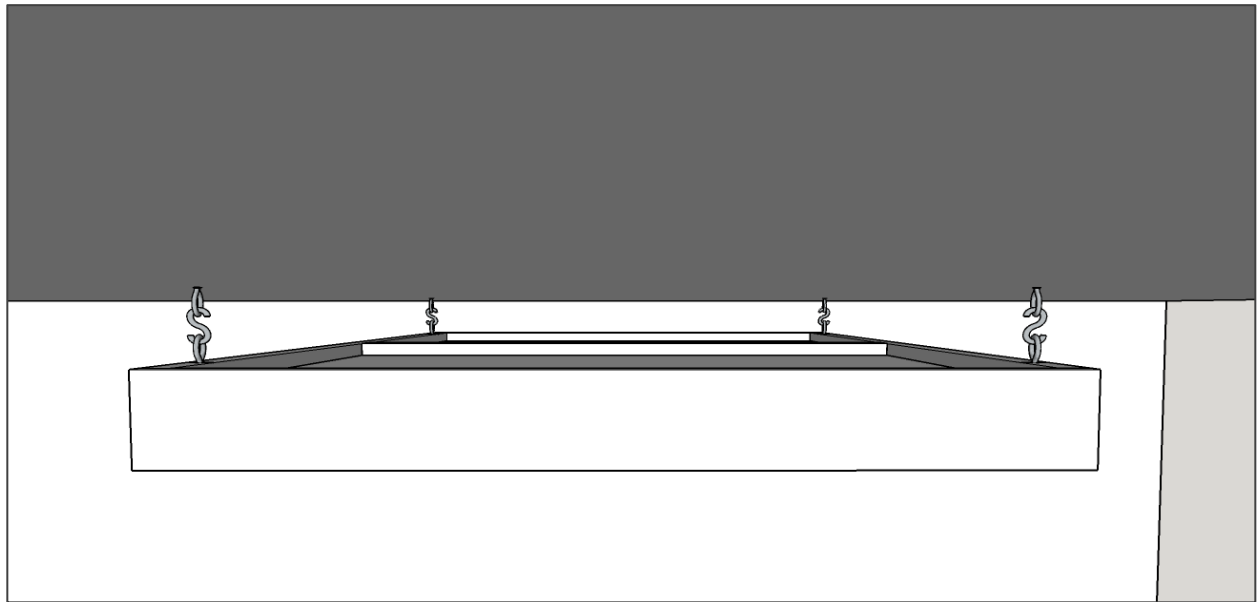


a. lift one side of the panel up and onto the s hooks

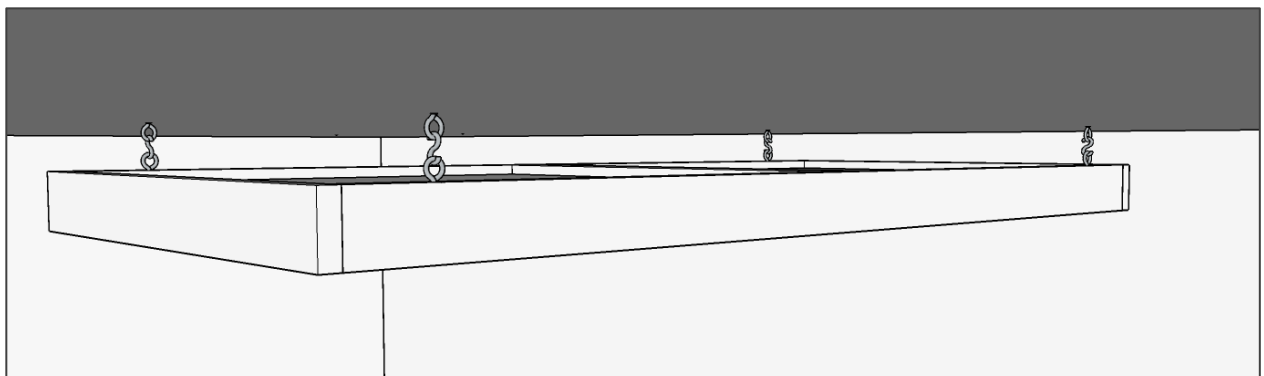
b. swing the panel up and onto the remaining hardware



step 6 – hang the panel cont.

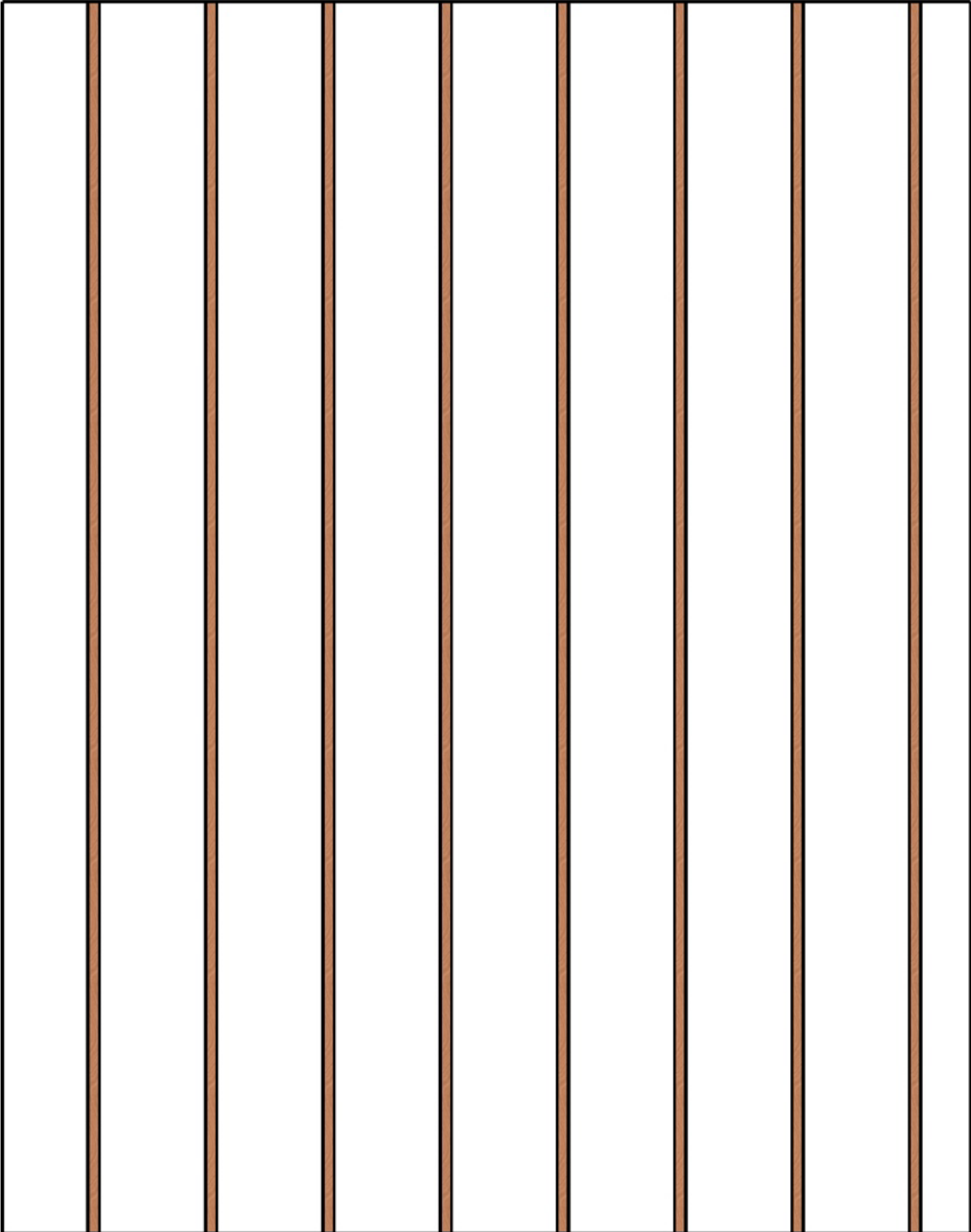


view 1

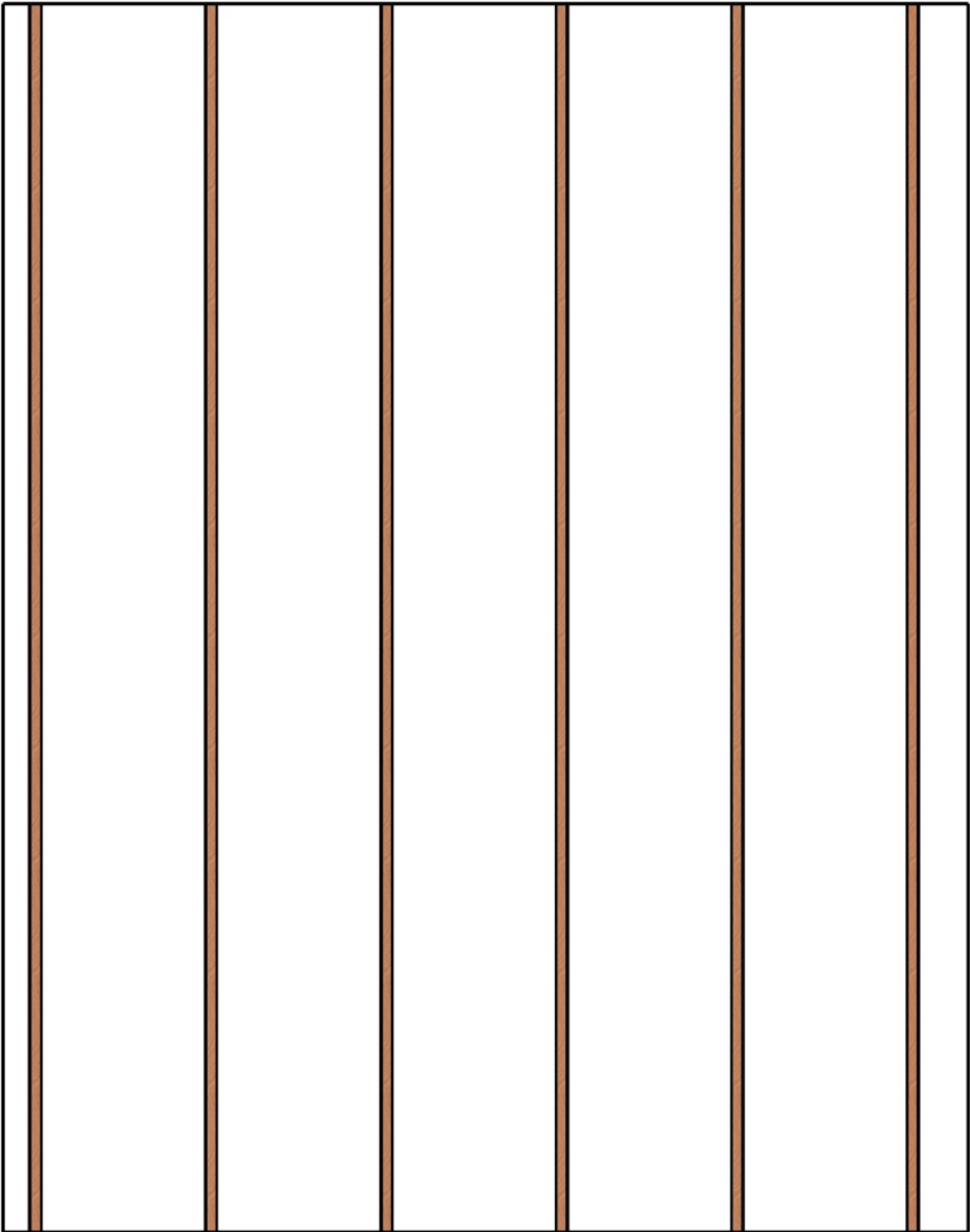


view 2

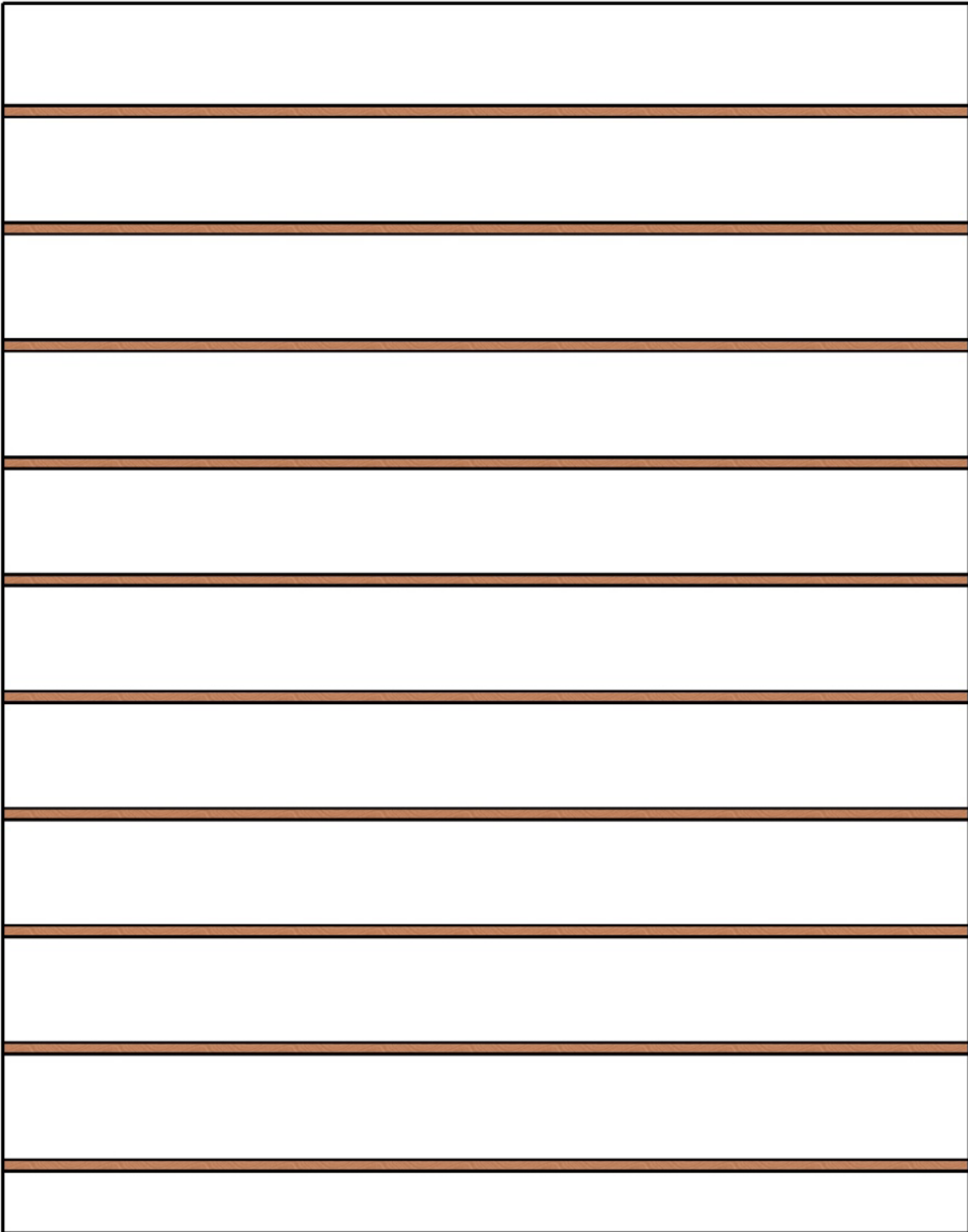
perpendicular studs 16" spacing template



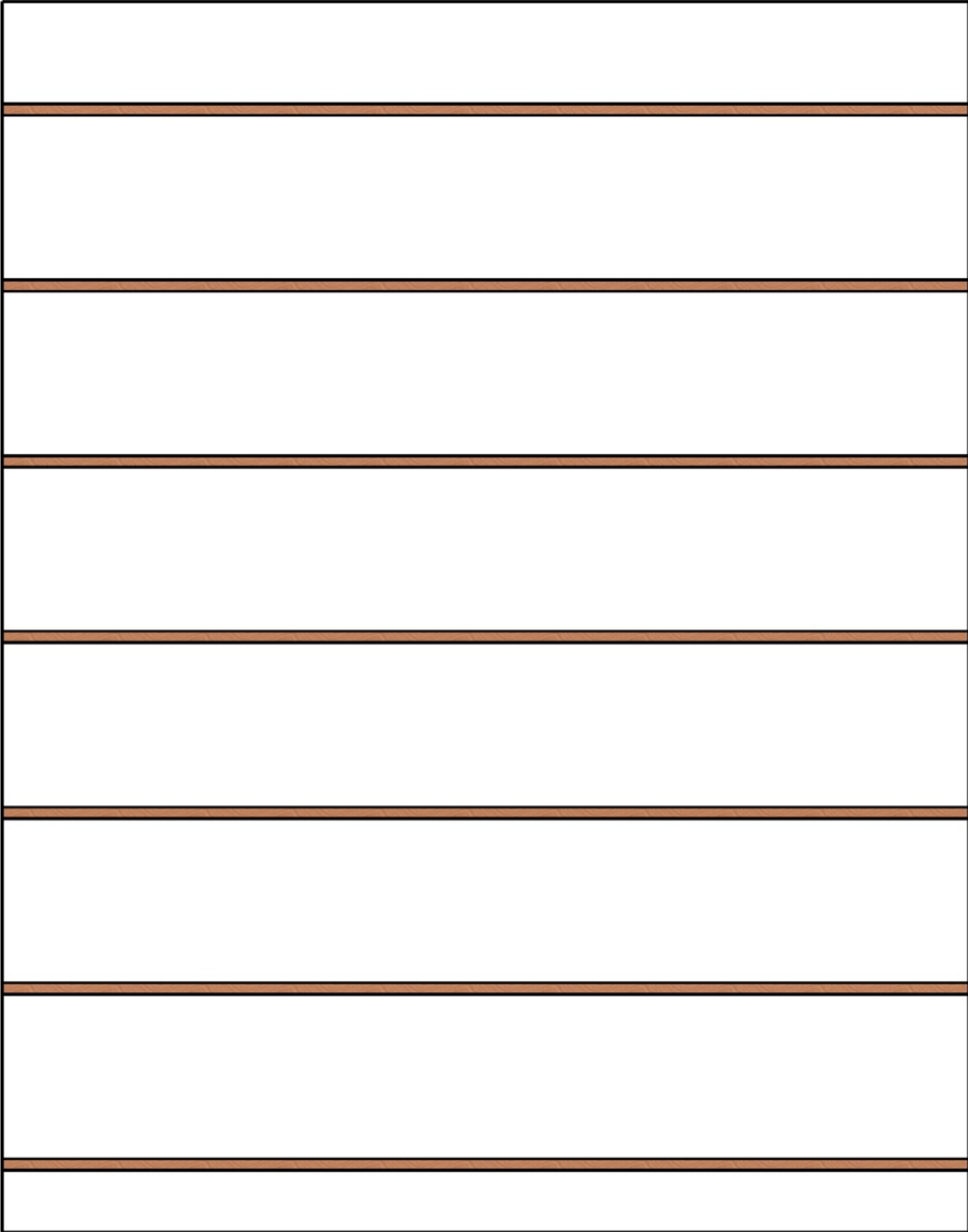
perpendicular studs 24" spacing template



parallel studs 16" spacing template



parallel studs 24" spacing template



congrats, you did it!

we'd love to see pictures of your newly updated studio. if you have any photos to share email them to graham@musiccityacoustics.com