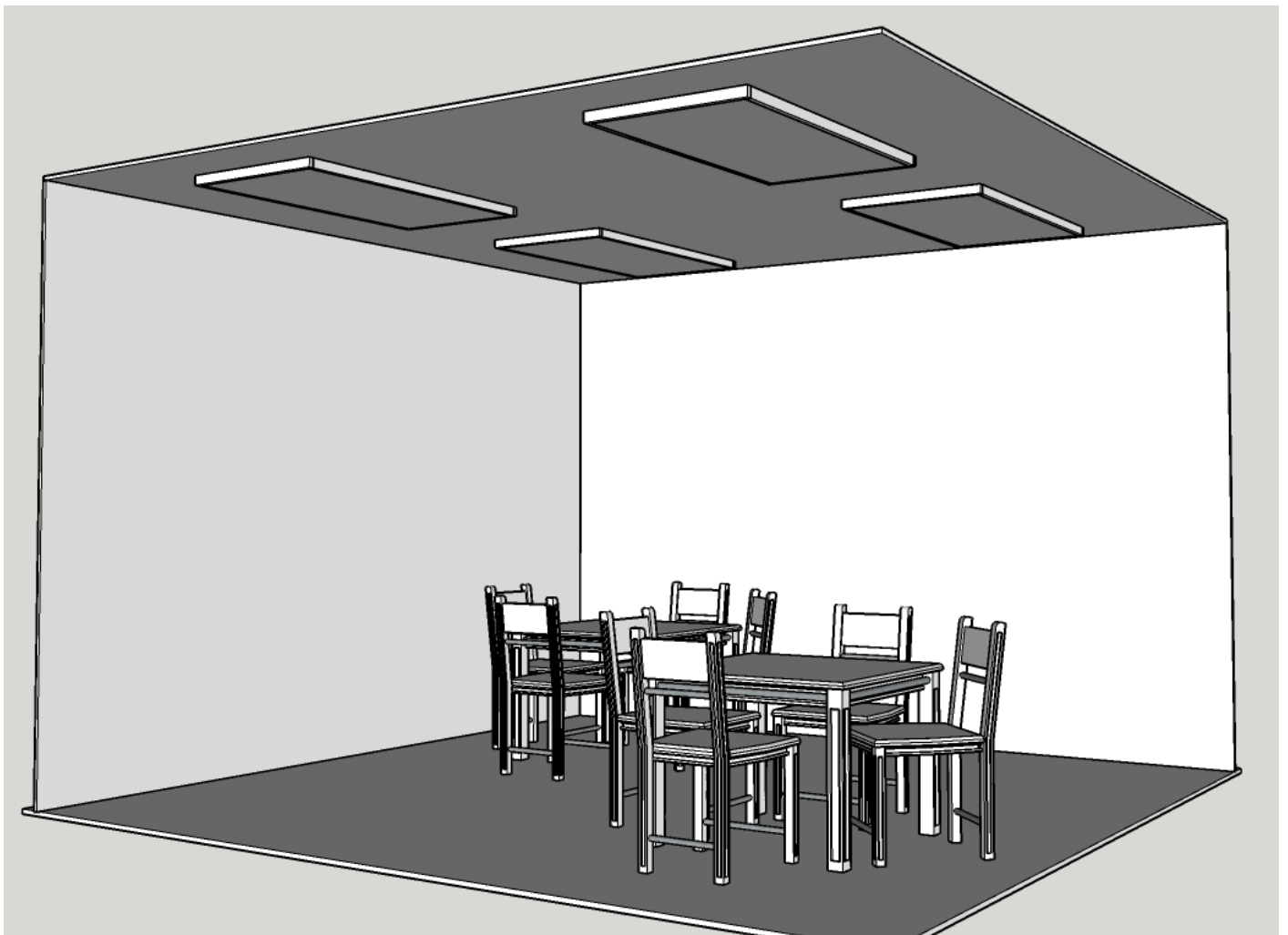


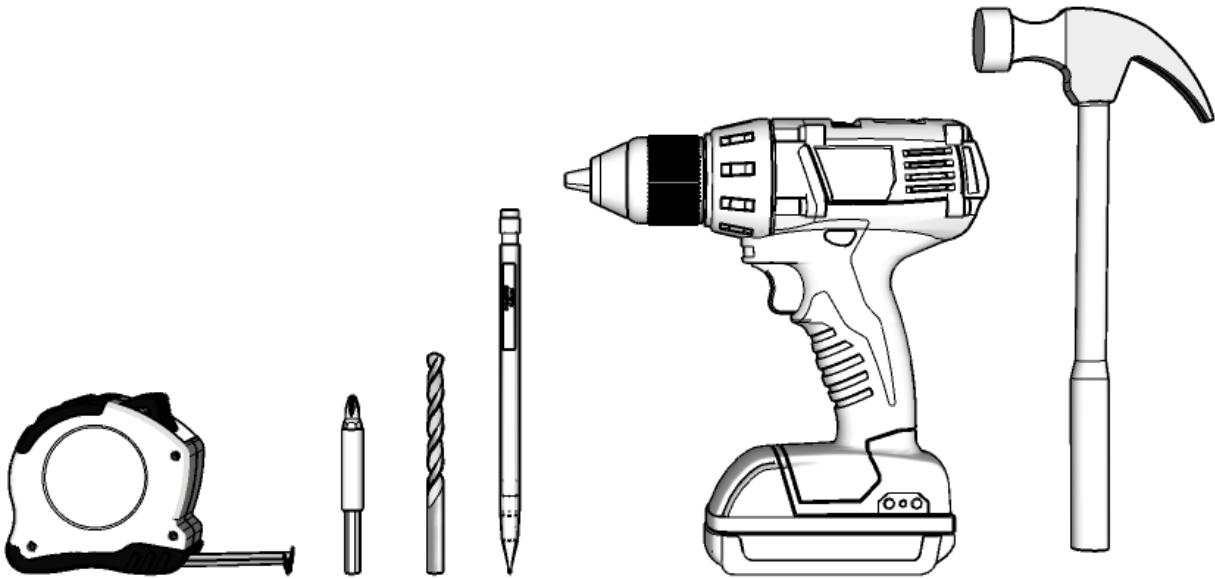
acoustic panel installation

ceiling installation guide – french cleat

low profile and hi-mid acoustic panels

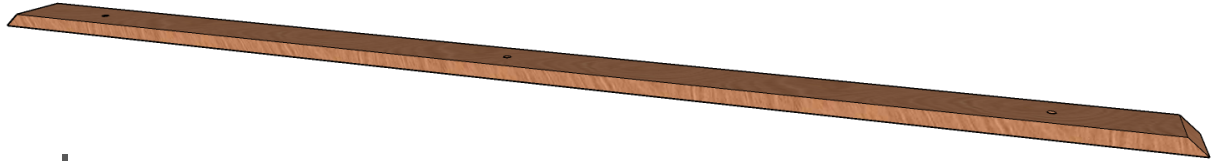


required tools



1. pencil
2. tape measure
3. 1/2" drill bit
4. #2 phillips head bit for drill
5. drill
6. step stool or ladder
7. a friend/extra set of hands

hardware (per panel)



ceiling cleat (included w/panel)

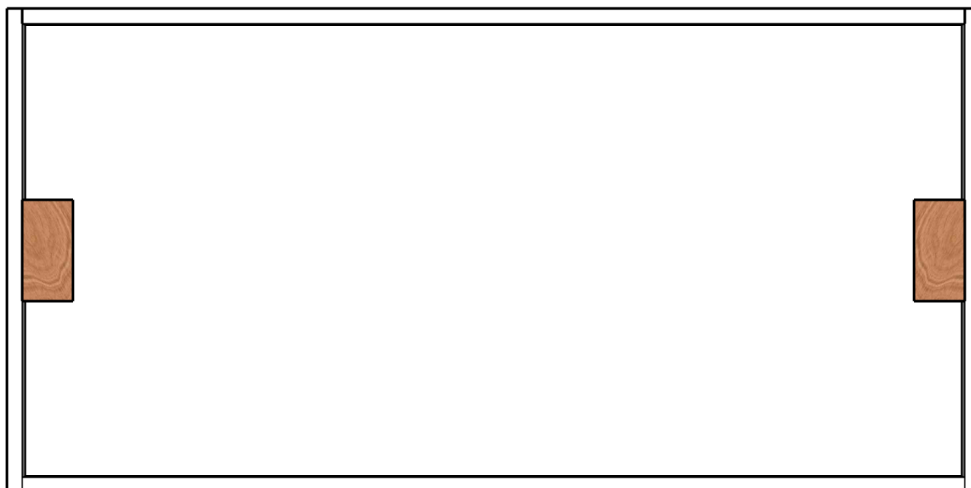


3" screws 2x



toggle wings 2x

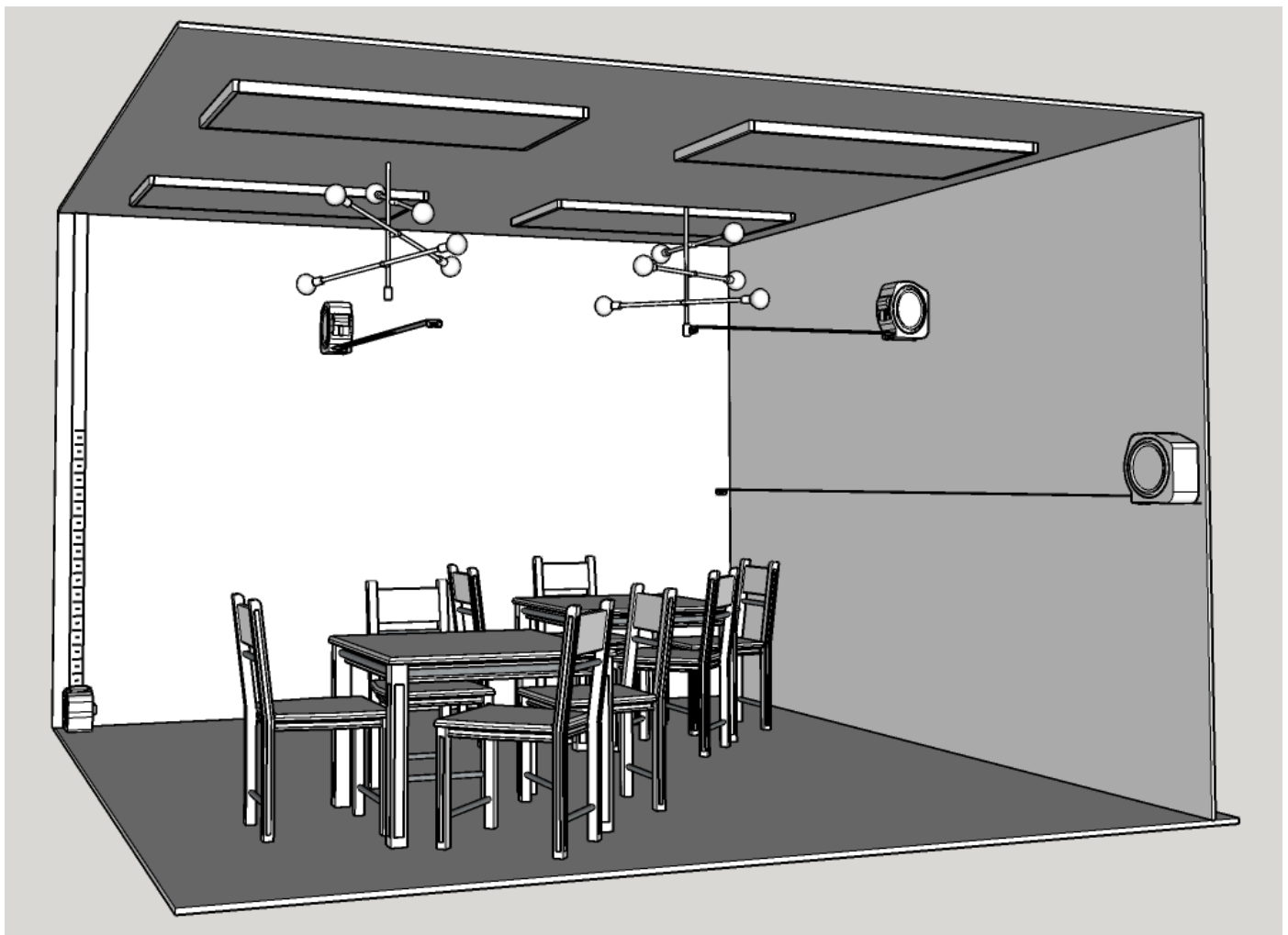
acoustic panel



w/ cleats
pre-installed

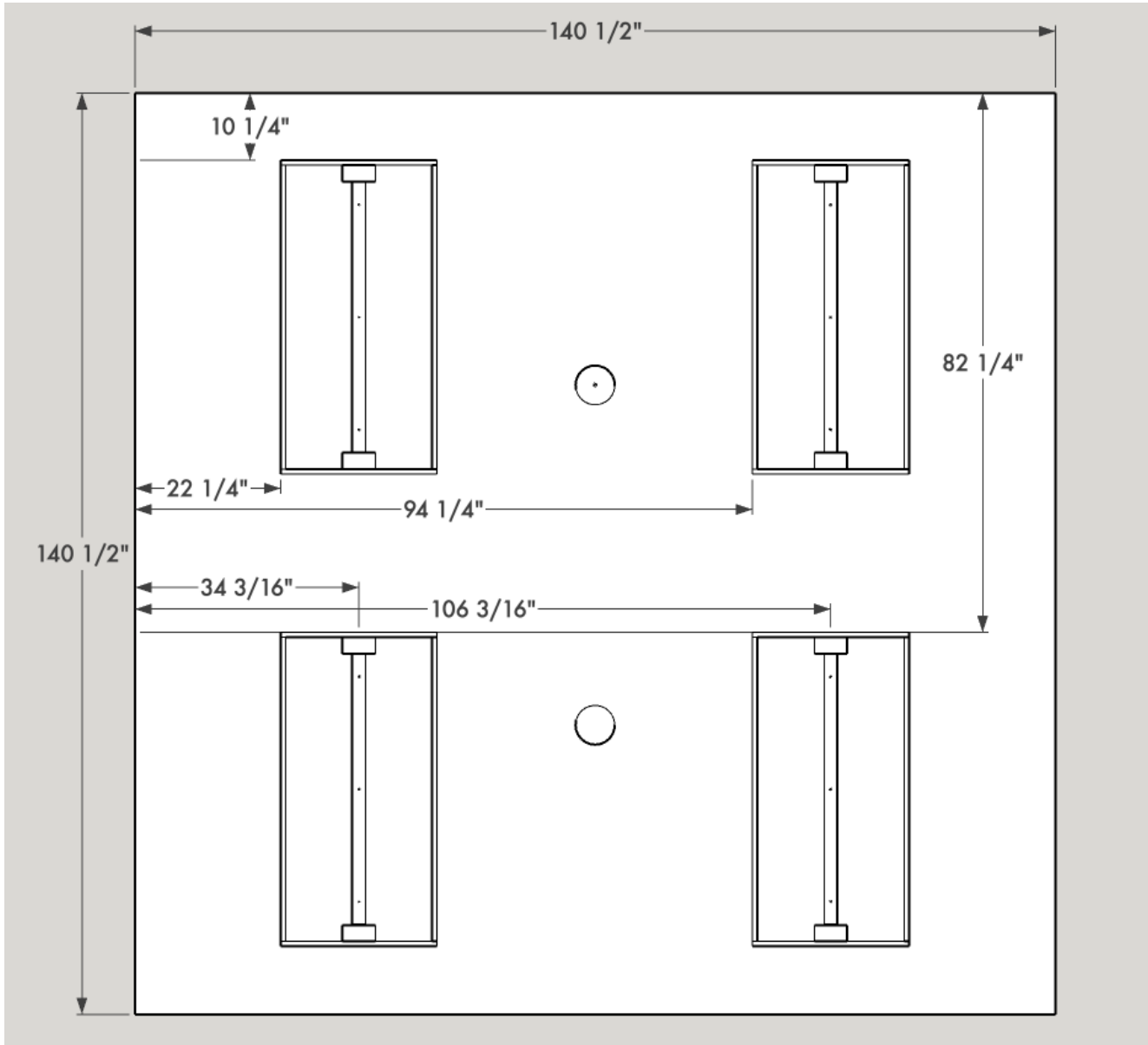
layout

- A. measure room and ceiling obstructions to determine where panels and hardware will go



step 1 – cont.

B. sketch out acoustic panel and cleat location on paper before marking and drilling



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

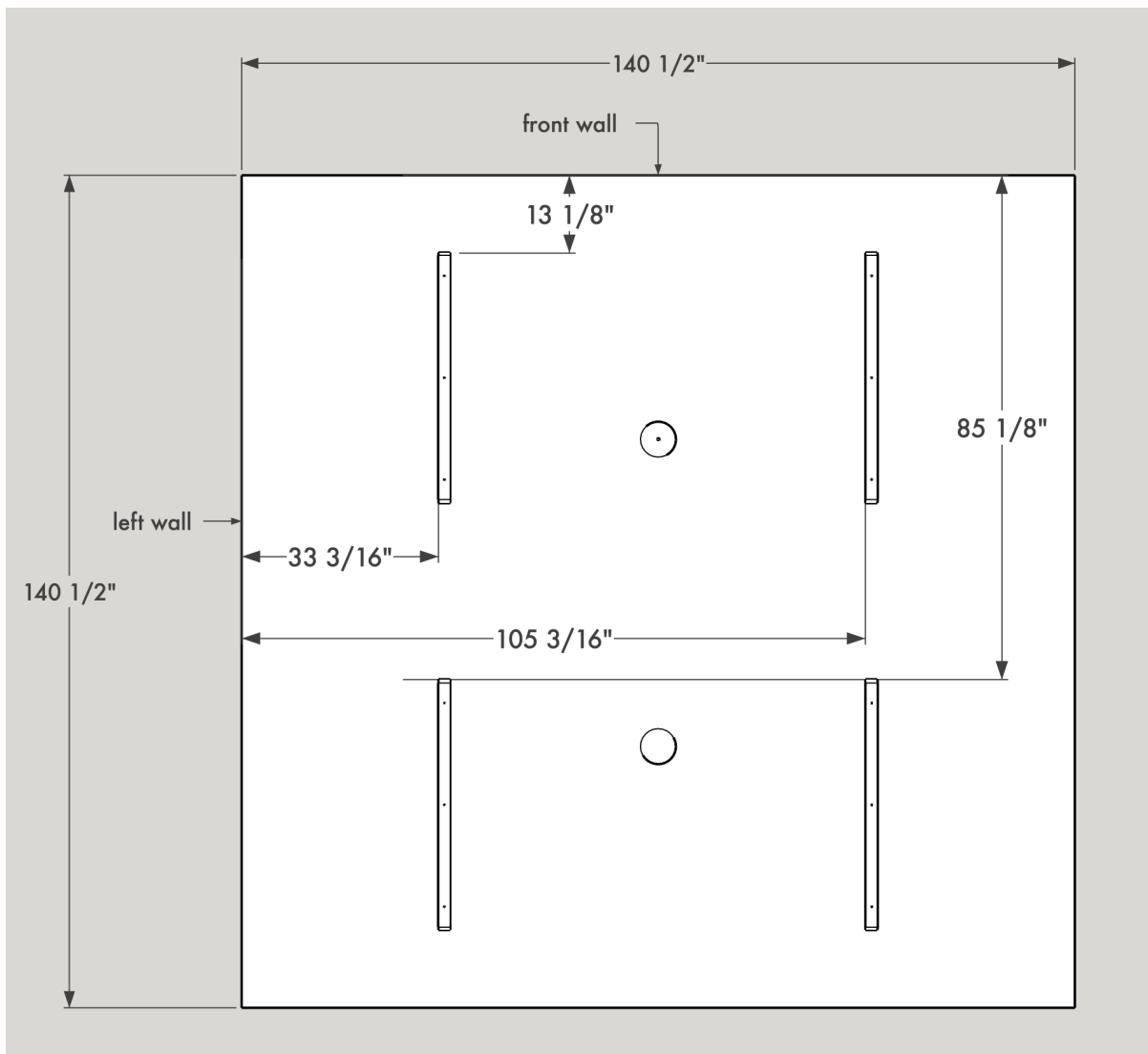
C. calculate cleat placement for each panel - formulas for cleat location

- i. distance from front wall (D_f) = distance from panel edge + $2 \frac{7}{8}$ "
- ii. distance from side wall (D_s) = distance from panel edge + $10 \frac{15}{16}$ "

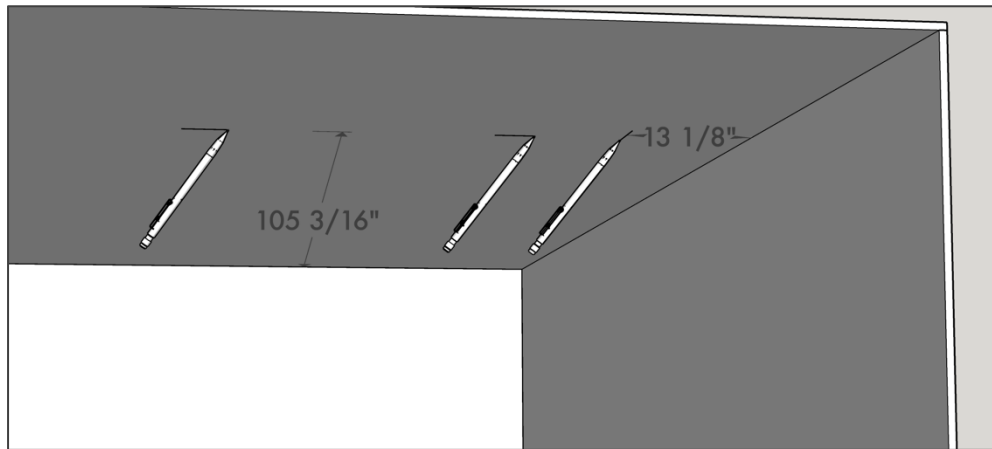
using the example drawing above we can find the cleat locations

$$D_f = 10 \frac{1}{4}" + 2 \frac{7}{8}" = 13 \frac{1}{8}"$$

$$D_s = 22 \frac{1}{4}" + 10 \frac{15}{16}" = 33 \frac{3}{16}"$$



step 2 – mark the cleat location

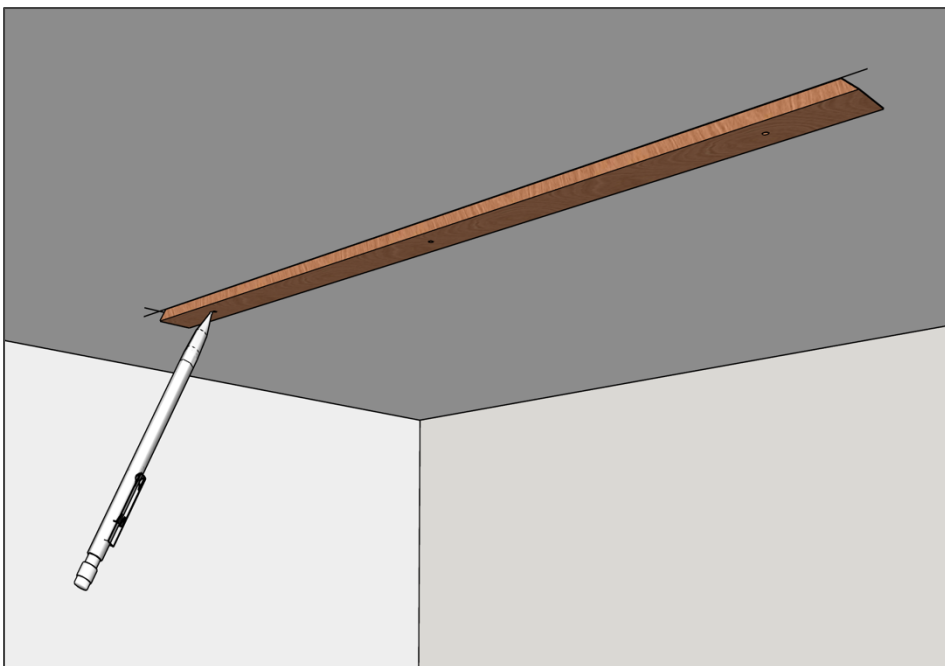


D. using your measurements from above, mark where the front and side of the cleat(s) will go

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

step 3 – mark the screw hole location

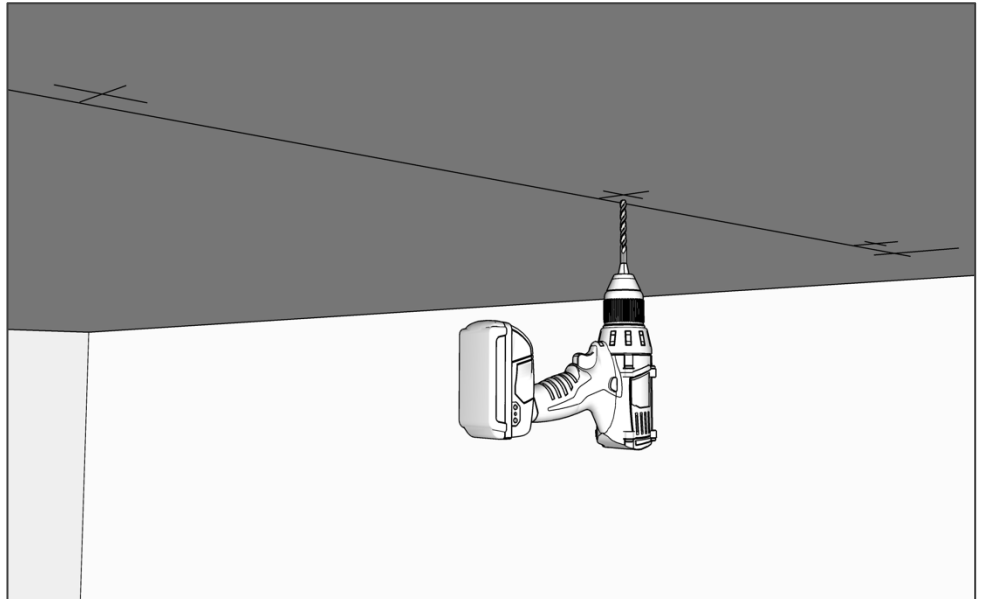
E. line cleat up with alignment marks made it step 2



F. using a pencil or screw, transfer the location of predrilled screw holes on cleat, onto the ceiling

step 4 – drywall anchors

G. using 1/2”
drill bit – drill pilot
holes for toggle
bolt anchors



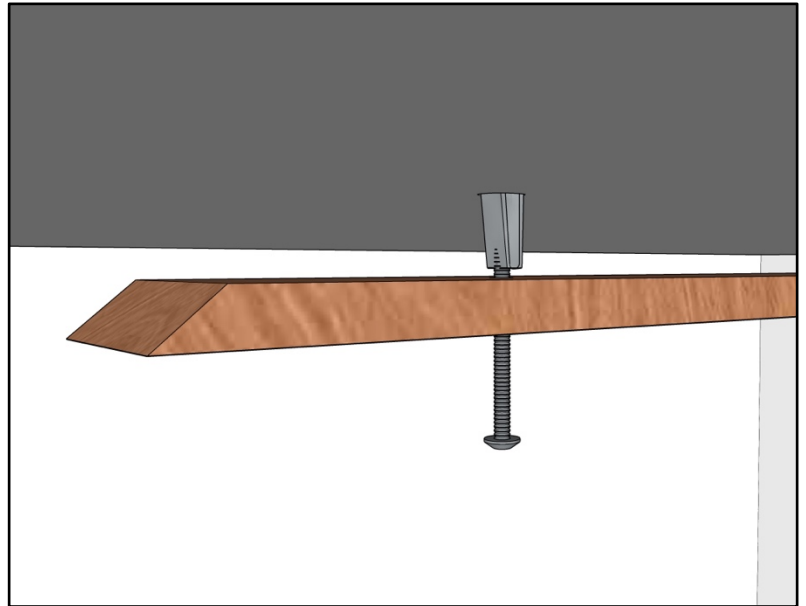
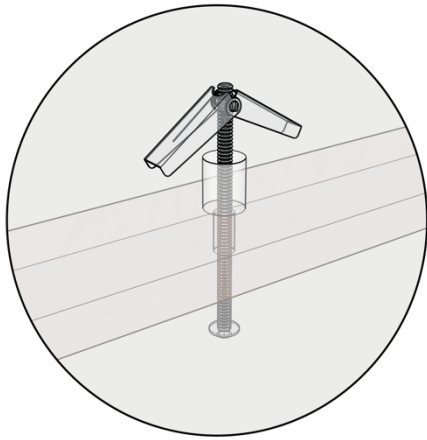
H. Secure toggle bolts to the ceiling cleat



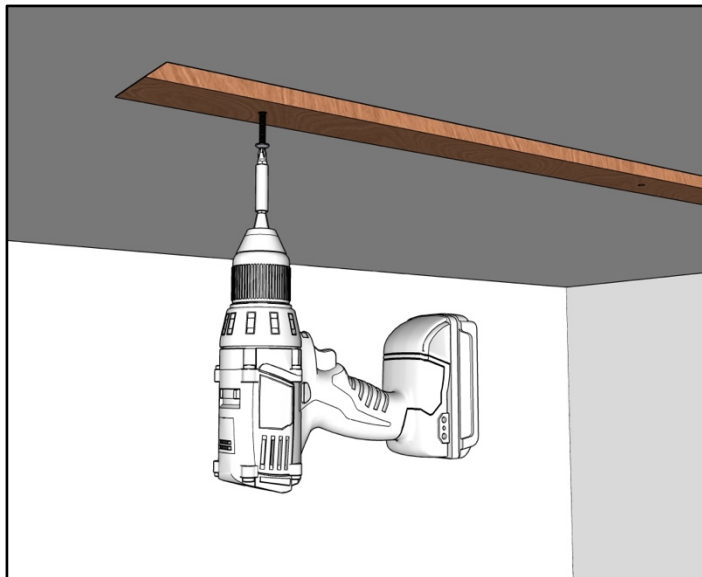
- i. push screws through predrilled holes on the ceiling cleat
- ii. thread toggle wings onto screws. do not tighten them down. you will need the full length of the screw to push the wings through the pilot hole
- iii. double check you have the cleat and wings oriented as shown above

step 5 – secure cleat to ceiling to the ceiling

I. with the toggle wings pinched shut, push the toggle bolt through the pilot hole



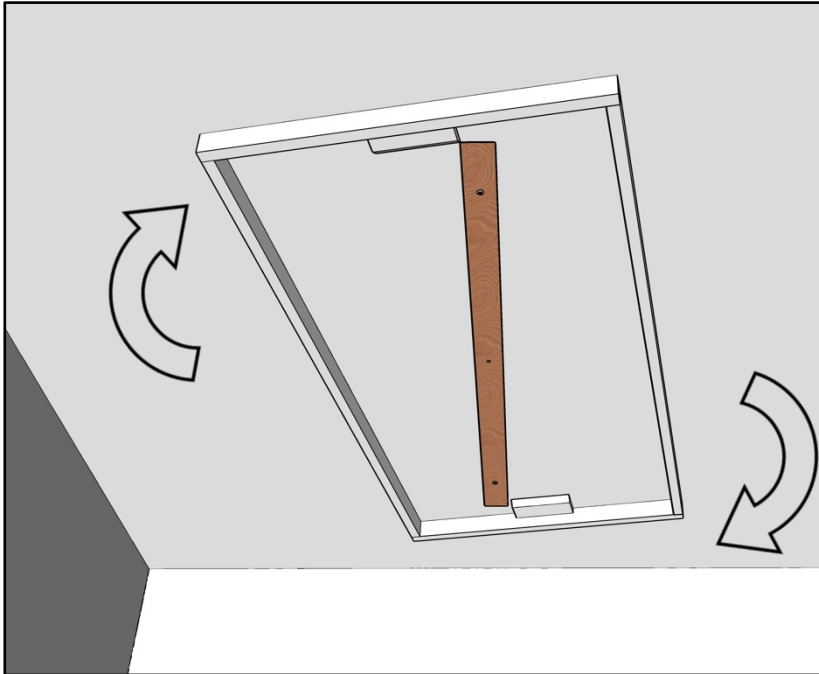
i. double check that the wings have fully opened behind the drywall by pulling on the assembled cleat



J. tighten screws, securing the cleat to the ceiling

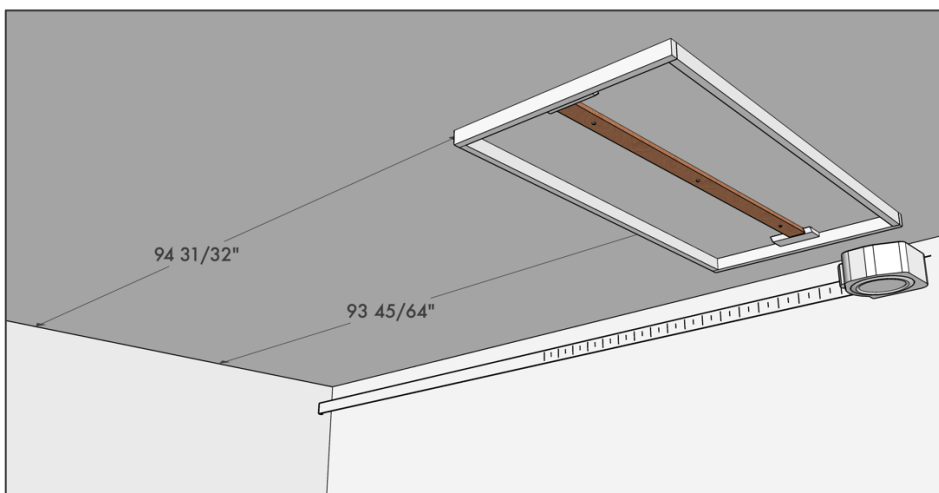
step 6 – hang the acoustic panel

K. lift the panel up on to the ceiling, slightly offset from the cleat



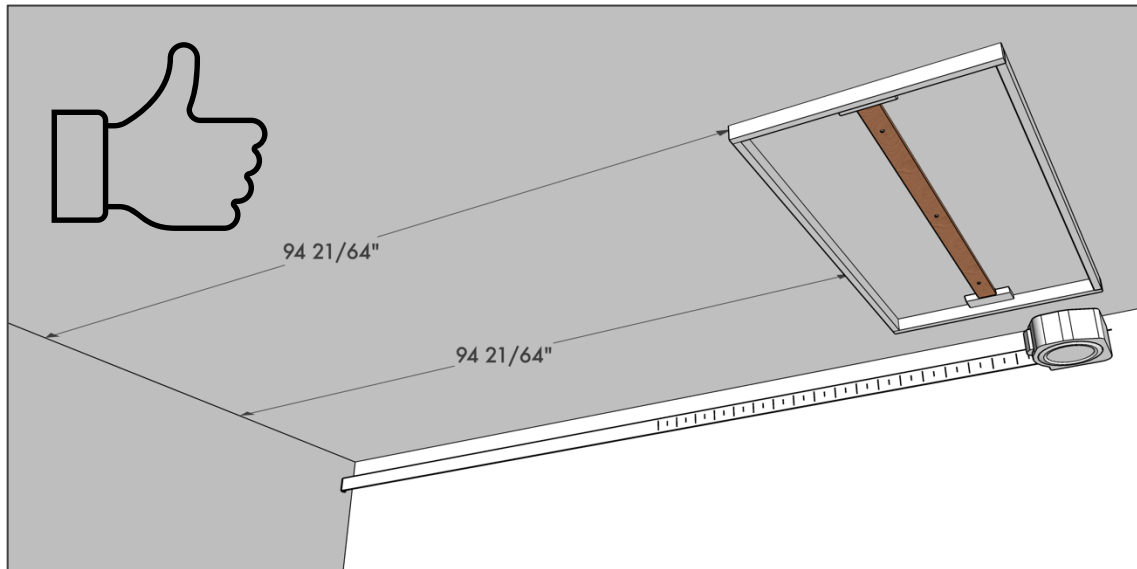
L. twist the panel onto the cleat until it tightens, locking into place (keep upward pressure on both sides of the panel)

J. measure distance from the wall to the edge of the panel to ensure it is square to the room



step 6 – cont.

J. adjust as needed



congrats, you did it!

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