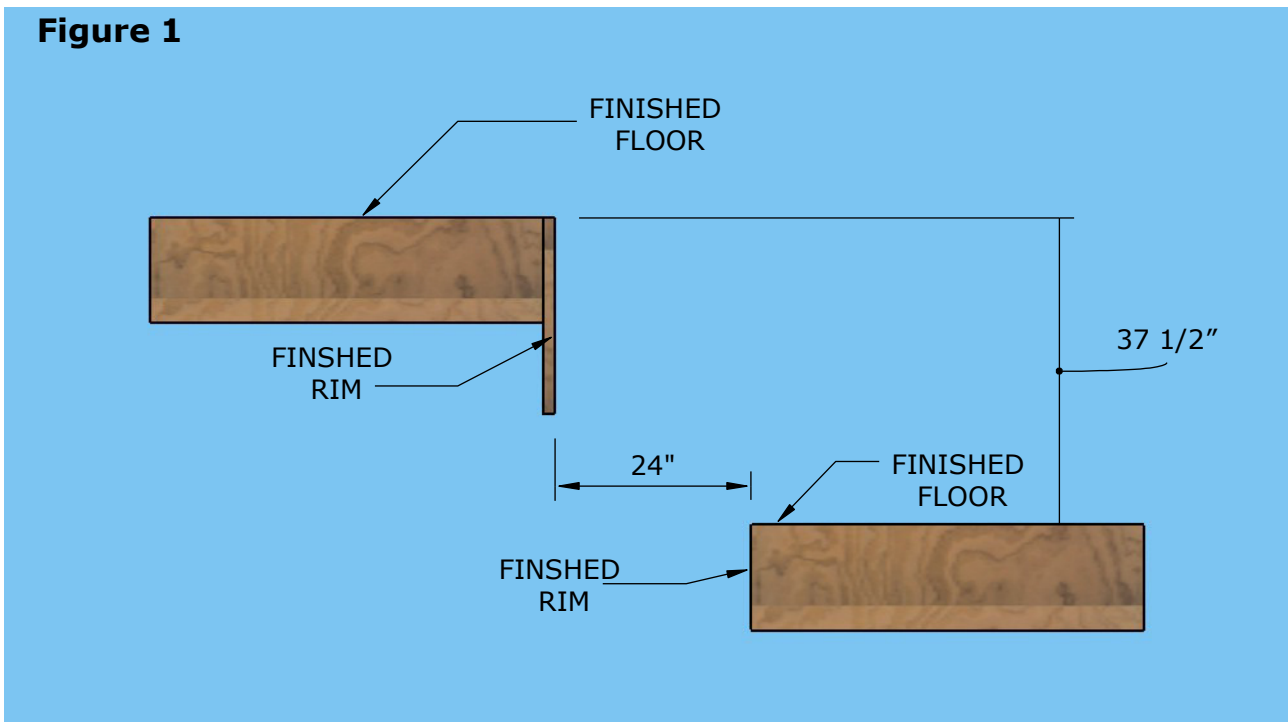


FULL LOG STAIR

BE SURE TO CHECK ALL LOCAL CODES FOR RISER HEIGHT, TREAD WIDTH, HEADROOM, LANDING AREA AND NOSING

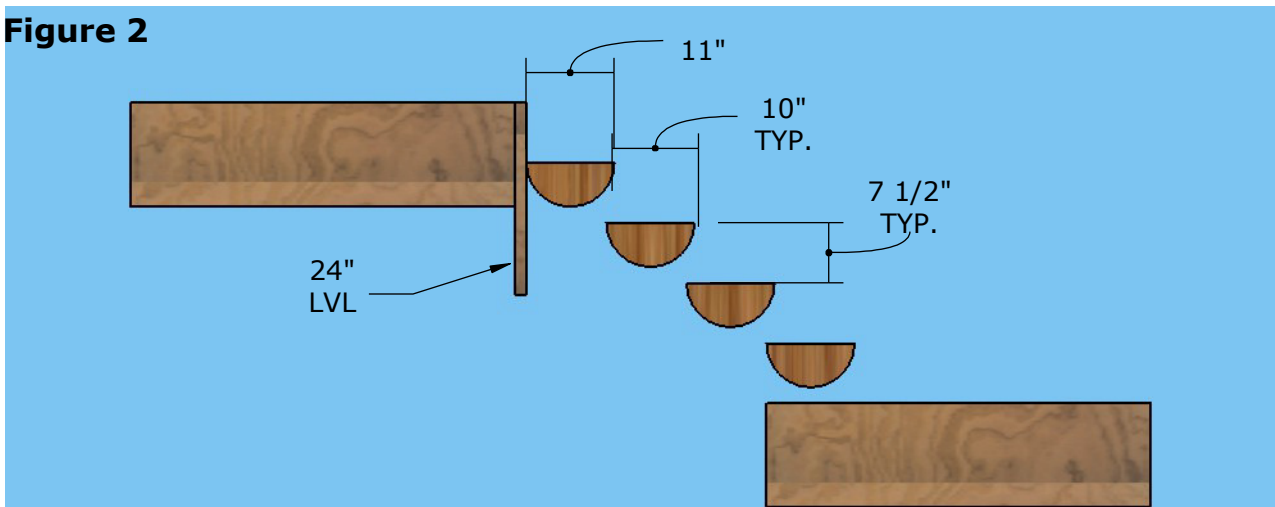
First step is to lay out the stair. this is done by marking lines on the floor for height and opening see figure 1. *Only for example*, say the height is 37 1/2" and the opening is 24". This is the finished floor height to finished floor do not forget to figure in the floor coverings and rim cover.

Figure 1

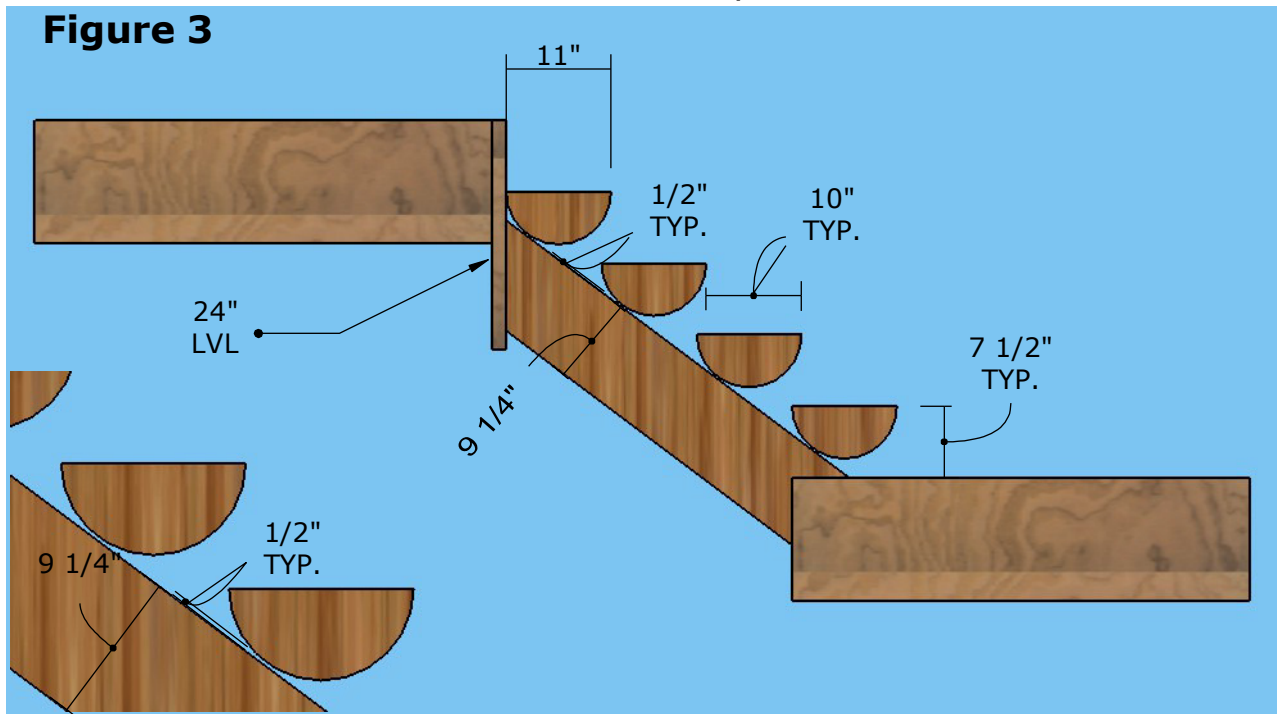


Next, layout the treads, a 37 1/2" floor to floor height works to five rises at 7 1/2", measure down 7 1/2" from the finished floor and make a level line. The treads are 11" so your run will be 10". Measure out 11" and make a plumb line. Take a tread and put it even on the level line and up against the rim and mark. See figure 2, measure down 7 1/2" from the top tread and mark a level line. Measure out 10" from face of the first tread and plumb a line. Repeat until all treads are marked.

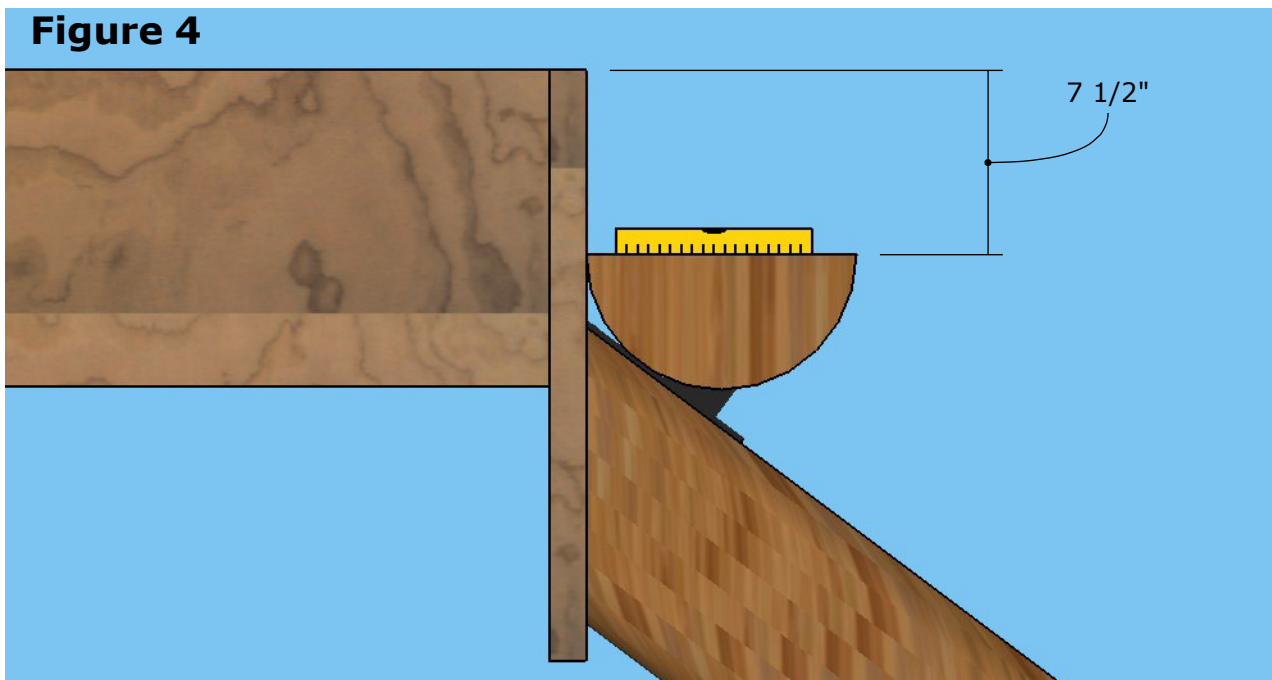
Figure 2



Mark a Line 1/2" below the bottom of the stair treads. **THIS WILL BE THE HEIGHT OF THE BRACKETS.** This is the top of the stringer, measure down 9 1/4". Mark a line for the bottom of the stringer. Now you have the length and angle to cut the stringer. See figure 3. It is very important to notch the bottom of the stringer around the floor system. This is what will hold the stair in place.



Now that you have the lengths and angles cut the stringer, don't forget to notch the bottom around the floor or landing. Attach the top with lags through the 24" LVL. Attach the bottom with lags through the floor. There are two different sized brackets, the shorter brackets are for the bottom tread. Starting at the top, take a bracket set a tread in the bracket and level the tread. Measure down 7 1/2" mark the placement of the bracket and lag into place. See figure 4.



Once the bracket is fastened, drill a pilot hole through the middle hole of the bracket and through the stringer. Drill a 1 1/4" counter sink hole in the bottom of the stringer 1 1/2" to 2" deep. See Figure 5

Lay the tread on the brackets, level and lag through the top hole of the bracket. Using a 13" self-tapping log screw, screw into the tread through the bottom of the stringer. Plug the counter sink hole with 1 1/4" dowel. On each following steps lay tread on bracket, level and slide bracket up or down until you have the desired rise. In this layout it will be 7 1/2".

Remember you must have a 1" nosing on the floor and landing.

See figure 6

