



If you are considering purchasing a concrete root cellar or underground bunker from Off Grid Unlimited or another reseller, you may be wondering how to install it.

If you are going to attempt it on your own, here are the ideal steps to take. (Please note, this is for normal well draining soil conditions. Your soil conditions may vary as well as the topography of the land. We cannot be responsible for how well you follow these instructions or how they will apply based on the conditions in your area. If you are not sure, we recommend reaching out to an excavation contractor as this is what they are skilled at doing.)

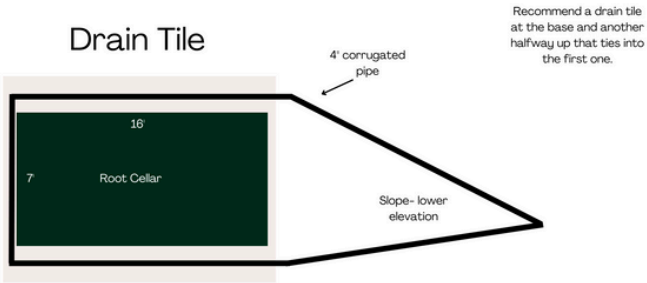
Step 1: Coat it with a Elastomeric coating such as this product [found on Amazon](#). You will need a crane to offload the root cellar so you may decide to dig your hole and have the root cellar offloaded and deposited into the hole at the same time to avoid paying a crane operator twice. Make sure your hole is big enough so that you can get around the cellar to apply the coating.

\* Recommended hole dimensions for the root cellar we sell are 16' by 18' (although 20' would be better if you have the room.) You want to make sure you can fit in the space. To see the specs of the root cellar we offer click [here](#).

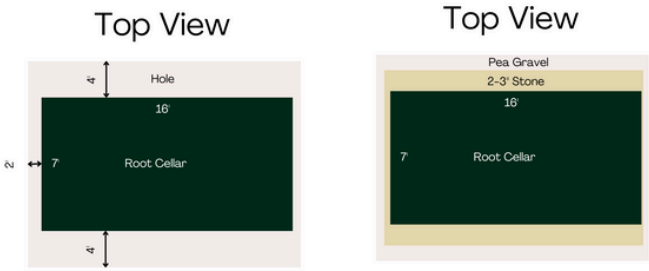
Step 2: As you are assembling the root cellar in the pit, be sure to install the gasket that fits between the top and bottom piece. Note, as you place the top piece onto the gasket it will be nearly impossible to move again so take care to get it lined up correctly the first time.

Step 3: Lay 4 inches of 2-3" stone and then 2 inches of pea gravel. Make sure the bottom is flat.

Step 4: Build a drain. Using 4" corrugated pipe build a drain tile system. See image below. It is recommended to build one drain tile at the base of the cellar and another about halfway up as you fill in the hole with stone.



Step 5: Fill in the hole with 2"-3" stone close to the cellar and pea gravel outside of that closer to the edge of the hole. (See image below) \* An experienced dirt worker will be able to manage layering the stone so the larger stone is close to the cellar and the pea gravel is closer to the outside. If you are not using a dirt contractor and are doing it yourself, you could use just the larger stone to fill the hole.



Step 6: If the top is adequately water proofed with the sealant typically used for roofs, ([See this product on Amazon](#)), then gravel can be layered on the top.