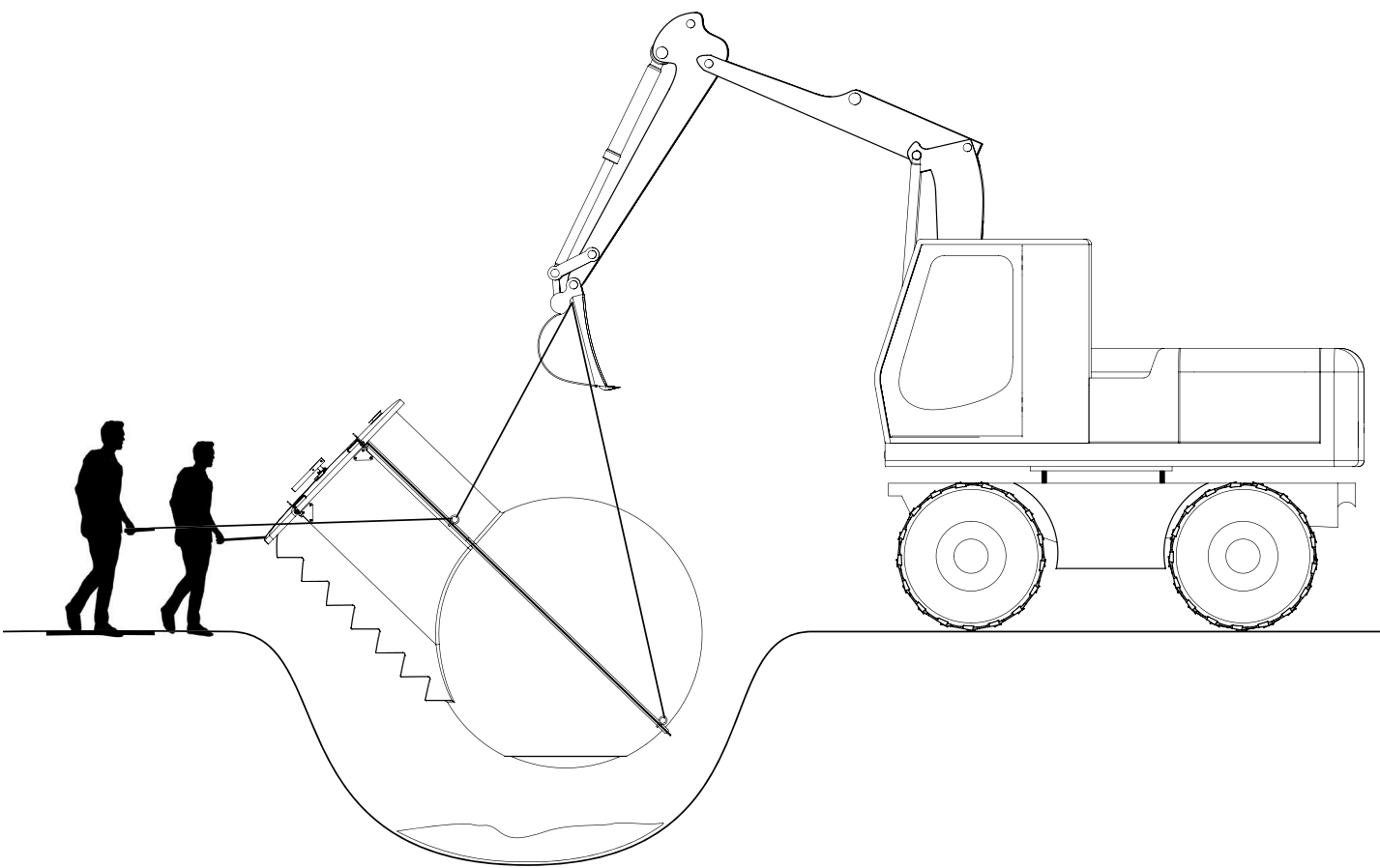
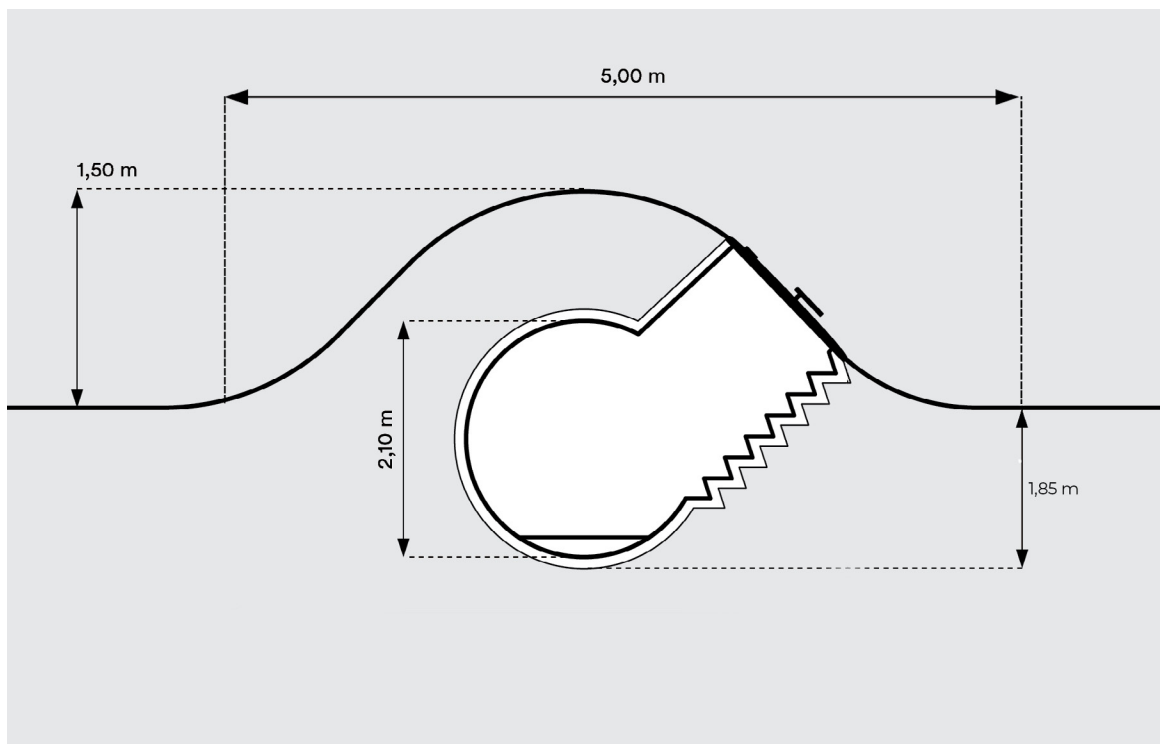


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Installation Manual



Congratulations, you've just bought yourself a Groundfridge! Now, time to install your new toy. Anything you might need to know on installing your Groundfridge is in this manual, i.e. Everything from how and what to prepare in advance, as well as a step-by-step guide on how to install your Groundfridge. Please follow these instructions to the letter.



What you need before you start

Preparing

Installing your Groundfridge will first require you to do some prepping. The first thing you need to do is pick a site for your Groundfridge. You'll want to think really carefully about where you're going to put your Groundfridge. Pick a safe and easily accessible site. You're going to need a site that's five metres in diameter. Once you pick your location, you'll then want to mark out the exact area and where you'd like your door. Make sure you do this at least a few days prior to installation day. Give some real thought to picking out a site for your Groundfridge. You'll also want to have a think about where you're going to leave all the soil you dig out for your hole. Make sure the area is easily accessible and move any potential obstacles out of the way. Having done that, you're ready to put in your Groundfridge.

Installation Day

Installation day starts with a team meeting where the entire process is talked through. Team members will be assigned their tasks and safety instructions will also be handed out. We recommend you call in certified professionals. You'll need at least three people to install your Groundfridge. **(Your contractor will be in charge of planning and installing the Groundfridge and will also issue safety requirements.)**

Excavator

Installing a Groundfridge will require the aid of an excavator. Your excavator will have to meet the following requirements, it should be:

- at ten-ton excavator.
- a mobile excavator is preferred over a track excavator.

Other stuff you'll need

- Four pieces of lifting ropes (capacity of 500 kg/rope) for lifting your Groundfridge.
- Two pieces of rope for steering your Groundfridge into position.
- 1 m³ of white construction sand.
- One shovel.
- 1 beam of 3 meter (marked at 1,85 meter).
- A spirit level.
- 6m³ soil.

Soil

For the sake of the stability it is very important that you set your Groundfridge into the correct type of soil. Soil composition remains the responsibility of the buyer, and you'll need to notify and discuss this with your contractor as well.

Please make sure that the mound covering your Groundfridge is shaped into an nice even curve. Build it too steep and it will erode too quickly.



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Attention!

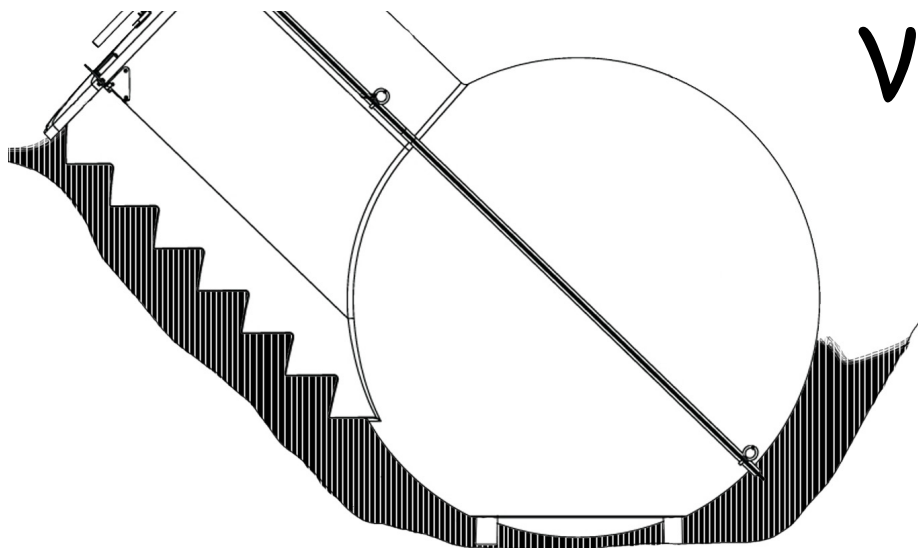
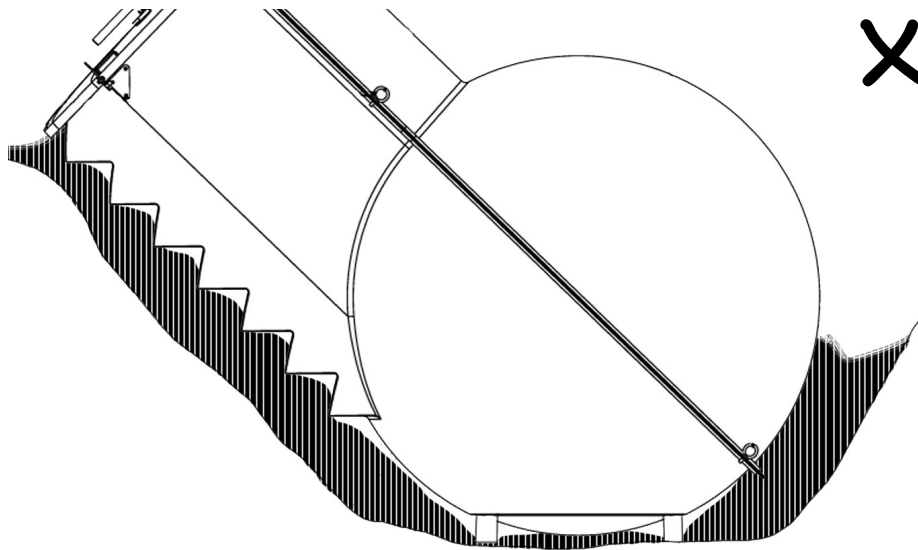
It is very important to prevent peak pressure on the Groundfridge during transport, leveling, and installation!

The bottom of the sphere is equipped with foot blocks to ensure it can be placed horizontally.

The sphere must be placed in a “bed” of loose sand. After placing it in the bed of loose sand, it is crucial to compact the ground well around the bottom of the sphere and blocks. It is important that the bottom of the Groundfridge is well supported with compacted sand before filling the rest of the hole to prevent peak pressure on the foot blocks and the bottom.

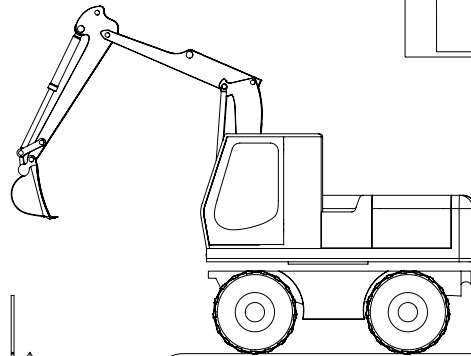
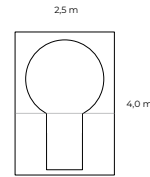
The sand or soil under the stairs must also be well compacted and evenly distributed.

Proper distribution of sand and soil ensures an even distribution of the forces on the Groundfridge. Take your time during installation and fill the hole around the Groundfridge evenly!



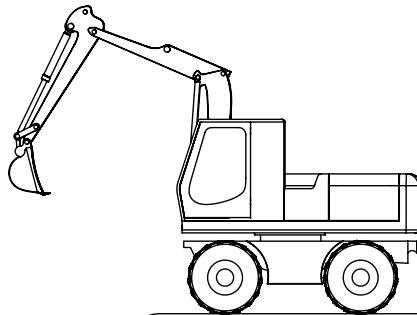
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TOP VIEW



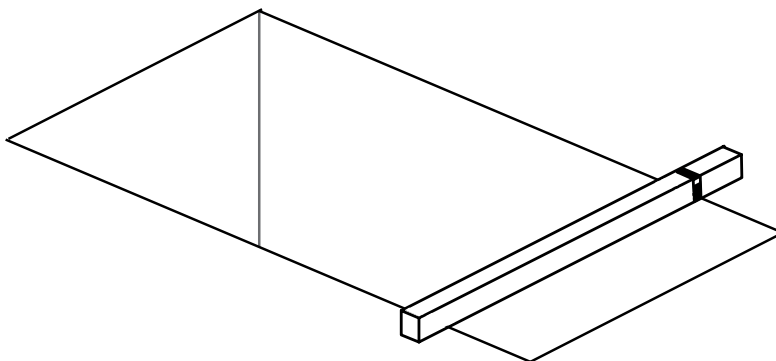
Step 1

Dig out a 1.85-meter deep hole in a square shape like the one pictured here on the left. Use the beam to check if your hole is deep enough. The bottom of the fridge should be at a depth of 1,85m.



Step 2

Dig out some more soil if the white sand is needed. Depending on soil conditions drop 0.5 m³ of your white sand into the hole. Make sure the bottom of the fridge will be at a depth of 1,85m. The white sand will be set into shape by the weight of your Groundfridge



Step 3

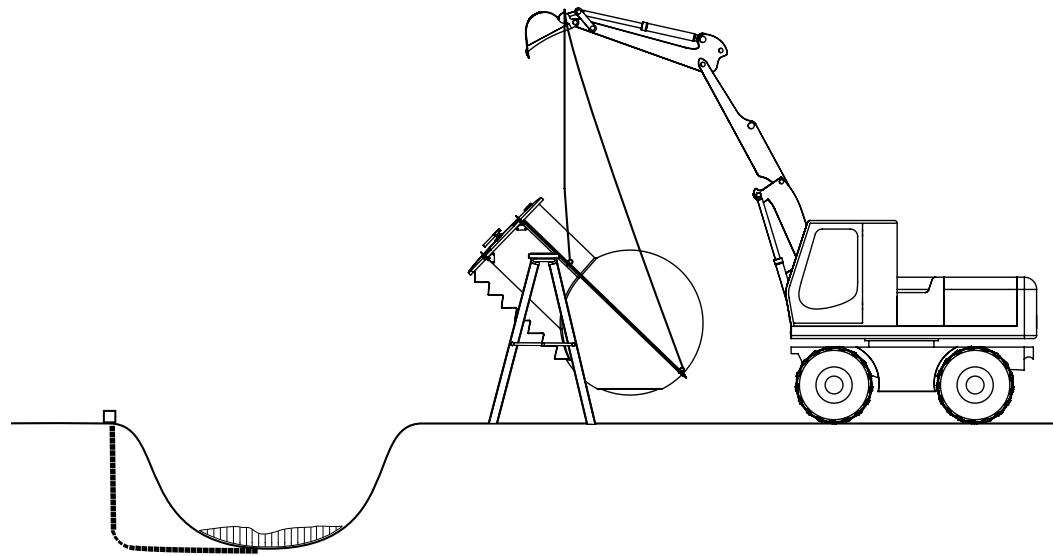
Place the beam as in the picture. This will support the neck of the Groundfridge as it is dropped in. Use the spirit level to make sure the beam is leveled. This step is very important for the correct positioning of the Groundfridge in the hole.



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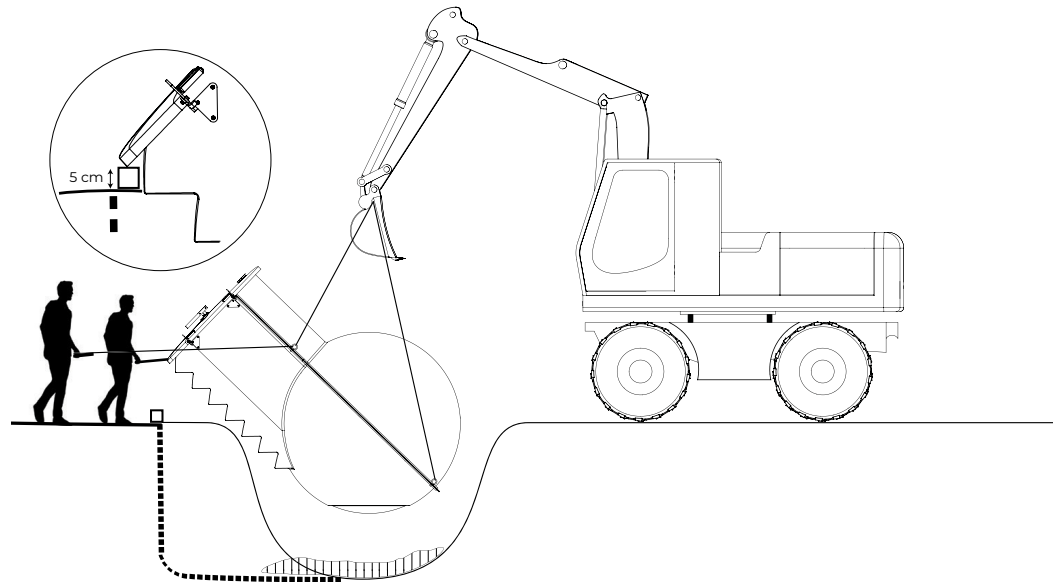
Step 4

Attach the four ropes onto the hoisting lugs on your Groundfridge and then latch them on to the excavator. Attach two more, one on each side, to allow you to steer the Groundfridge into place.



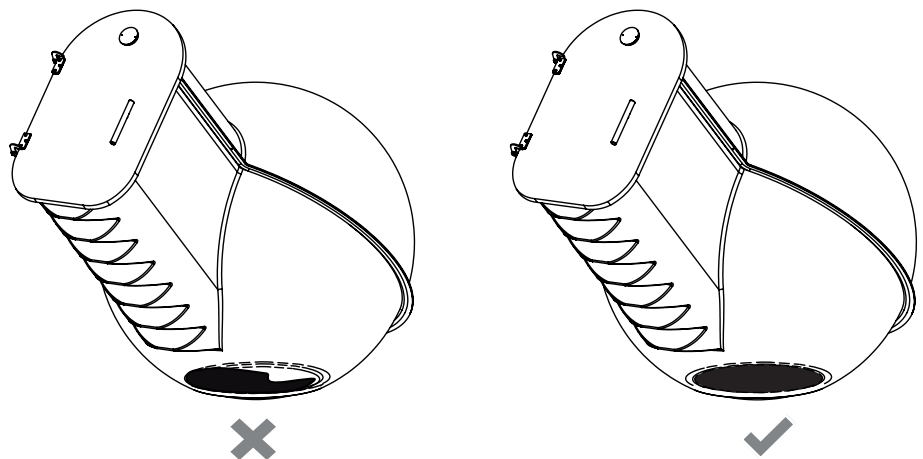
Step 5

Guide your Groundfridge into position using the two steering ropes on the sides. This is a two-man job. Slowly lower the Groundfridge into position, dropping it onto the white sand you put in earlier. Make sure the neck is resting on the beam



Step 6

Check if your Groundfridge is level, both vertically and horizontally. Make sure the door is sloped at a 45-degree angle. Check if your Groundfridge is level or not: pour in ten litres of water and then use the inside as a level. When the cabinet is already installed check with the spirit level if the bottom plate is levelled. Undo and remove all roping.



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Step 7

Drop all remaining white sand in around your Groundfridge and cover the top with all the soil you dug out earlier. Once your Groundfridge has fully set, remove the beam out from underneath its neck.

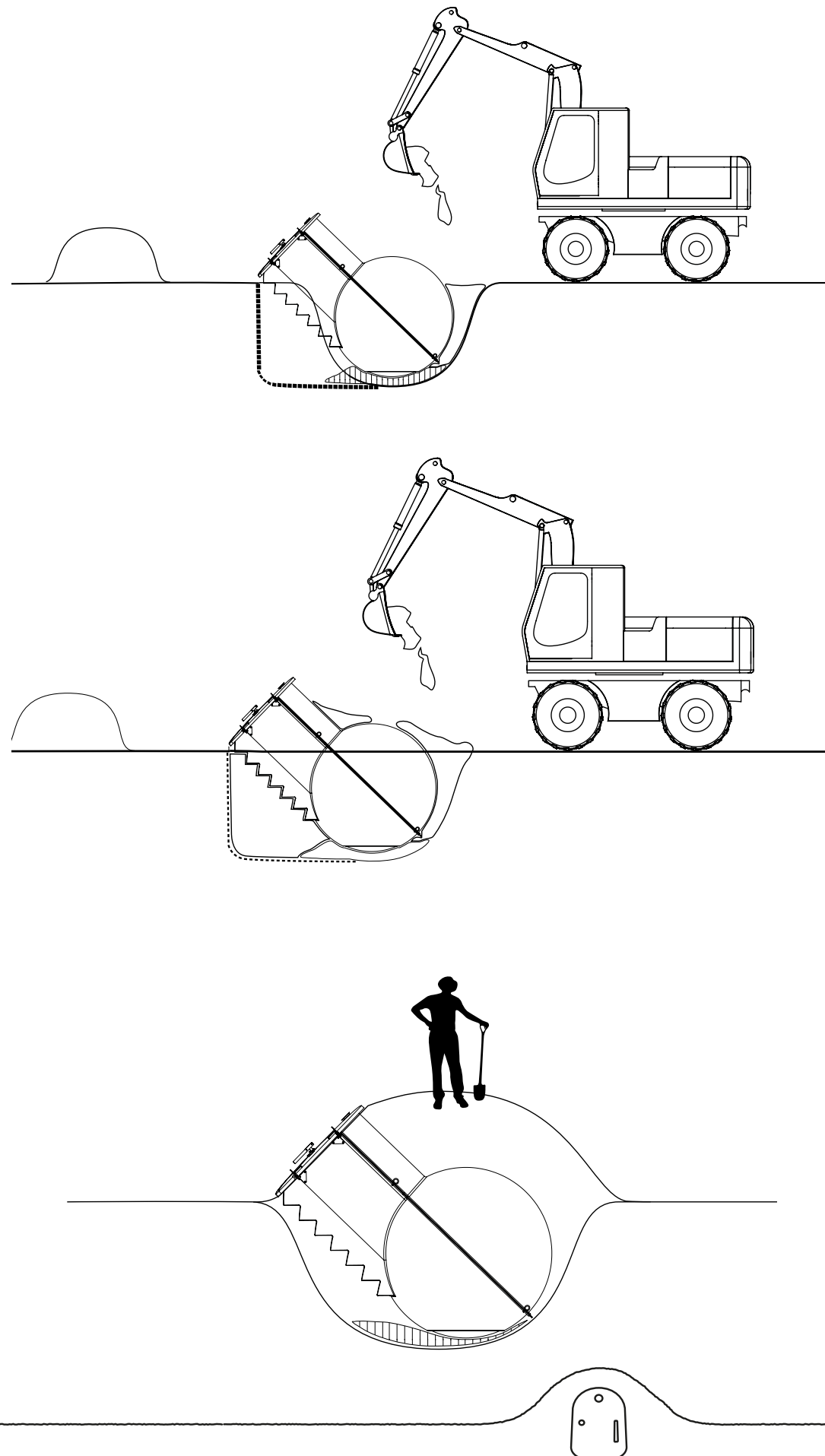
Step 8

Make sure to also drop in plenty of sand underneath the stairwell to allow it to support its weight. If needed, spray with water to enable the sand to settle in more quickly. Besides the soil from the hole, we advise to use an additional 6m³ soil to shape the mound on top.

Step 9

Use a shovel to shape your mound. Make sure there is enough soil on top of the mound. The top of the mound needs to be higher than the door. Two weeks may do the trick, although you might need more time, or perhaps even less, depending on the circumstances. Reshape if necessary. Once that's done, you can now put in your vegetation. Check out the website for vegetation tips and ideas:

www.groundfridge.com



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