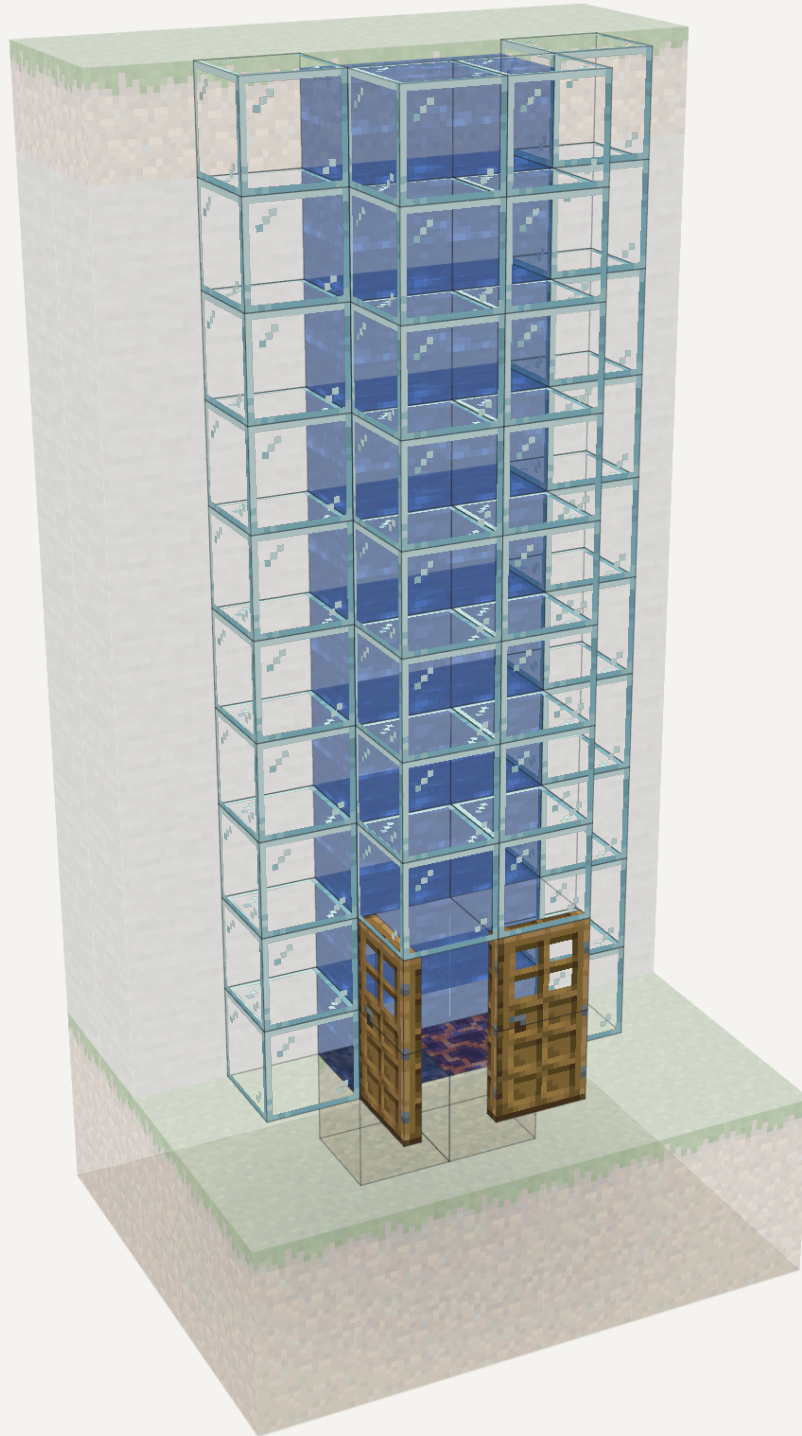


Water Elevator (Up and Down)

Minecraft 26.3 · Blocksworth Tests, Build #10



40 blocks + 2 water buckets + 20 kelp 7 steps 6 different parts



36×
Glass



2×
Oak Door



1×
Magma Block



1×
Soul Sand



20×
Kelp



2×
Water Bucket

Not an official Minecraft product. Not approved by or associated with Mojang or Microsoft. Block textures: Minecraft, © Mojang, loaded live from Mojang's official server.

Inventory

Everything you need: 40 blocks + 2 water buckets + 20 kelp

BLOCKS

 36× Glass	 2× Oak Door	 1× Magma Block	 1× Soul Sand
--	--	---	---

ITEMS

 20× Kelp	 2× Water Bucket
---	--

1

New blocks and removals are outlined



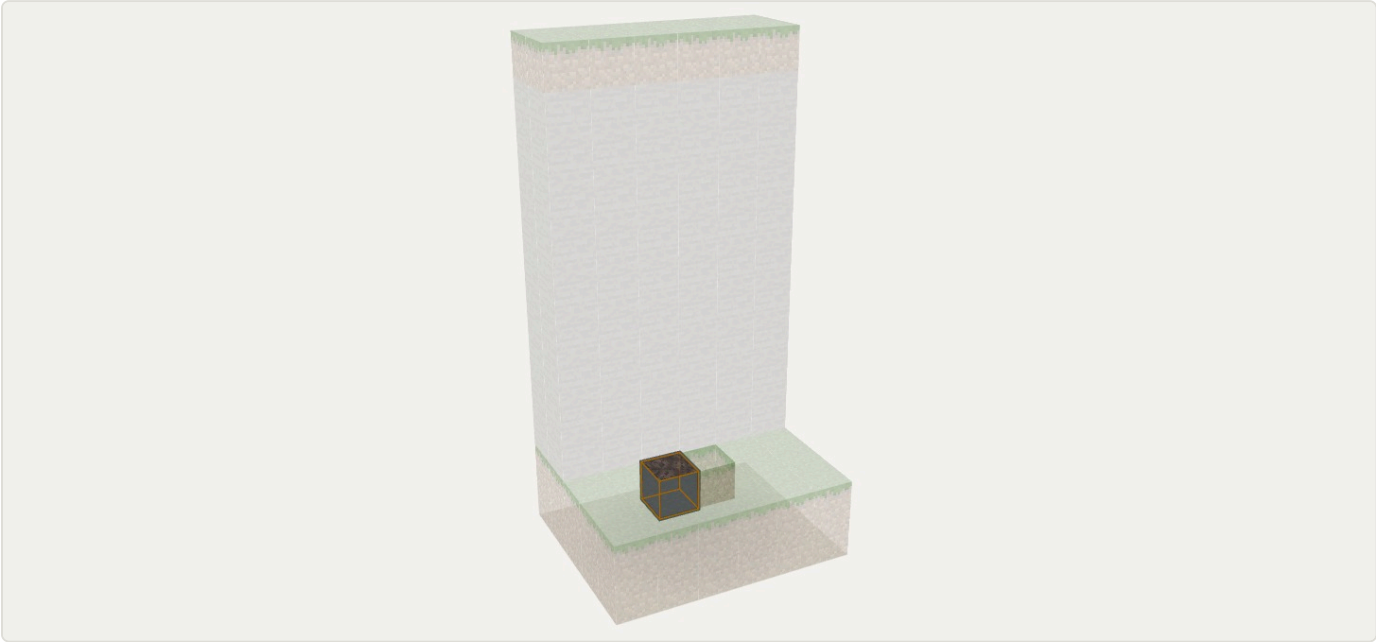
1×
Dig out



1×
Soul Sand

Soul sand in the ground

At the foot of a cliff (the cliff is the back wall): swap one ground block for soul sand. This is the up shaft.



2

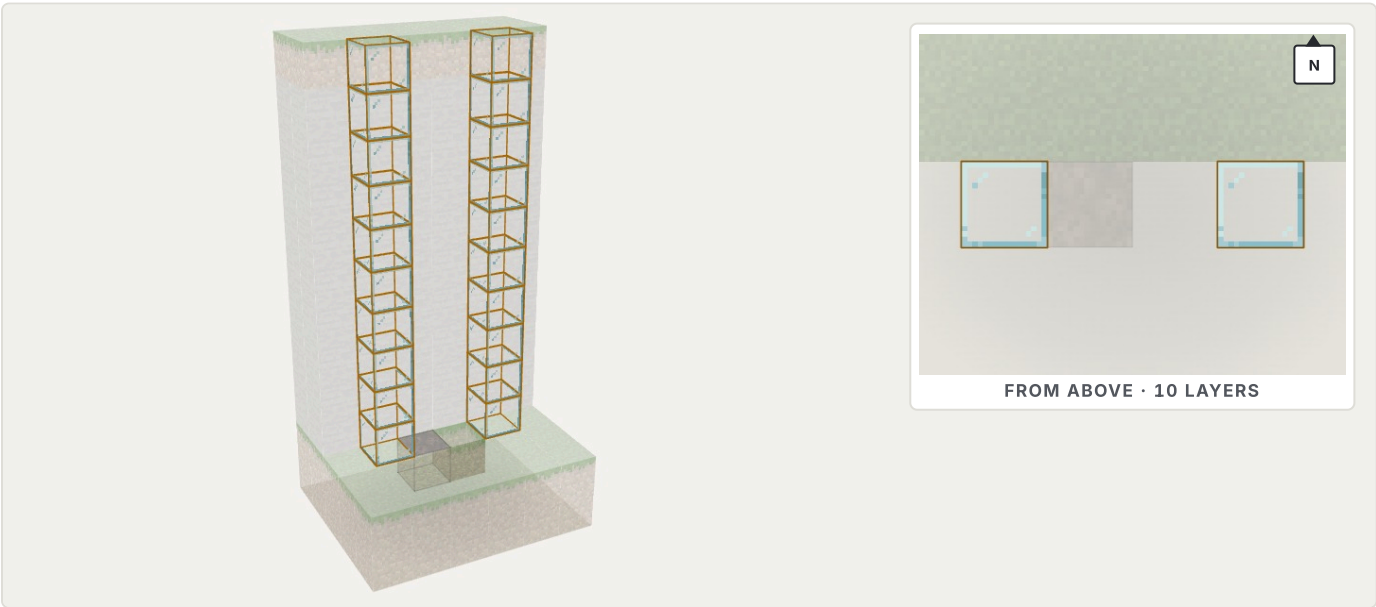
New blocks are outlined



20×
Glass

Glass left and right, 10 high

Two shafts side by side, no wall between them: left (on the soul sand) goes up, right goes down. The glass reaches the top of the cliff.



3

New blocks are outlined



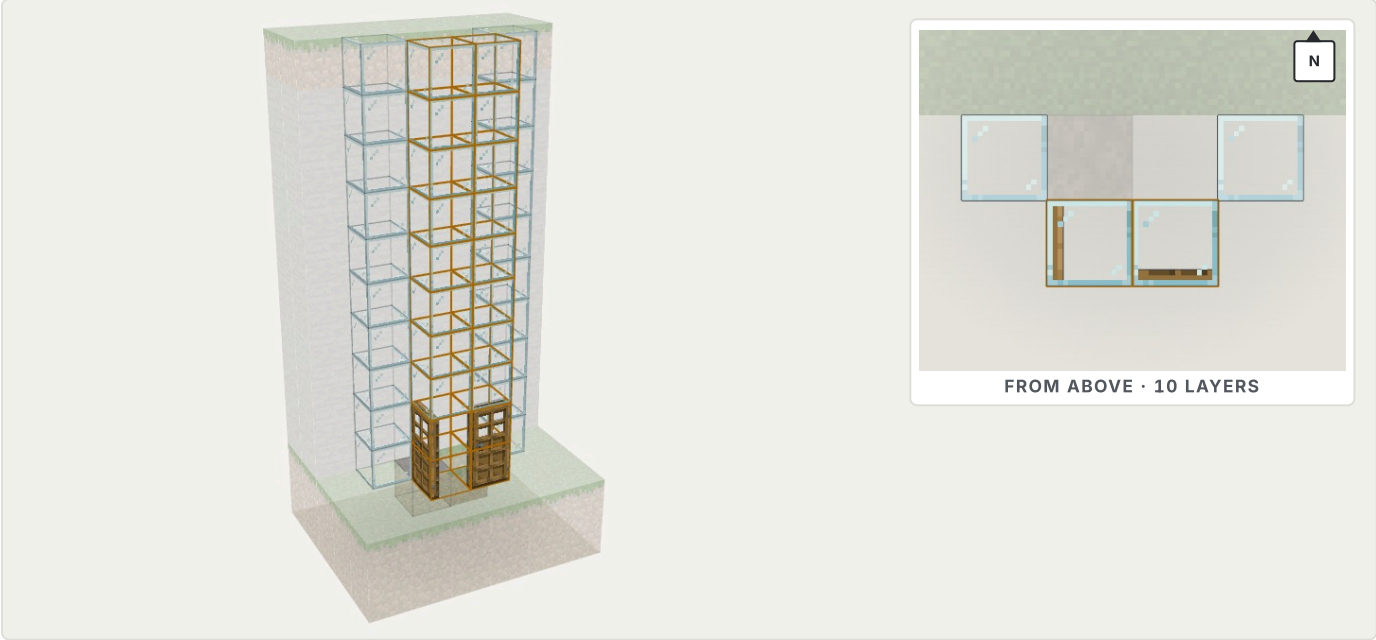
2×
Oak Door



16×
Glass

2 doors, glass above

A door in front of each shaft at the bottom, then glass up to the top. Doors hold the water in, open or shut.



4

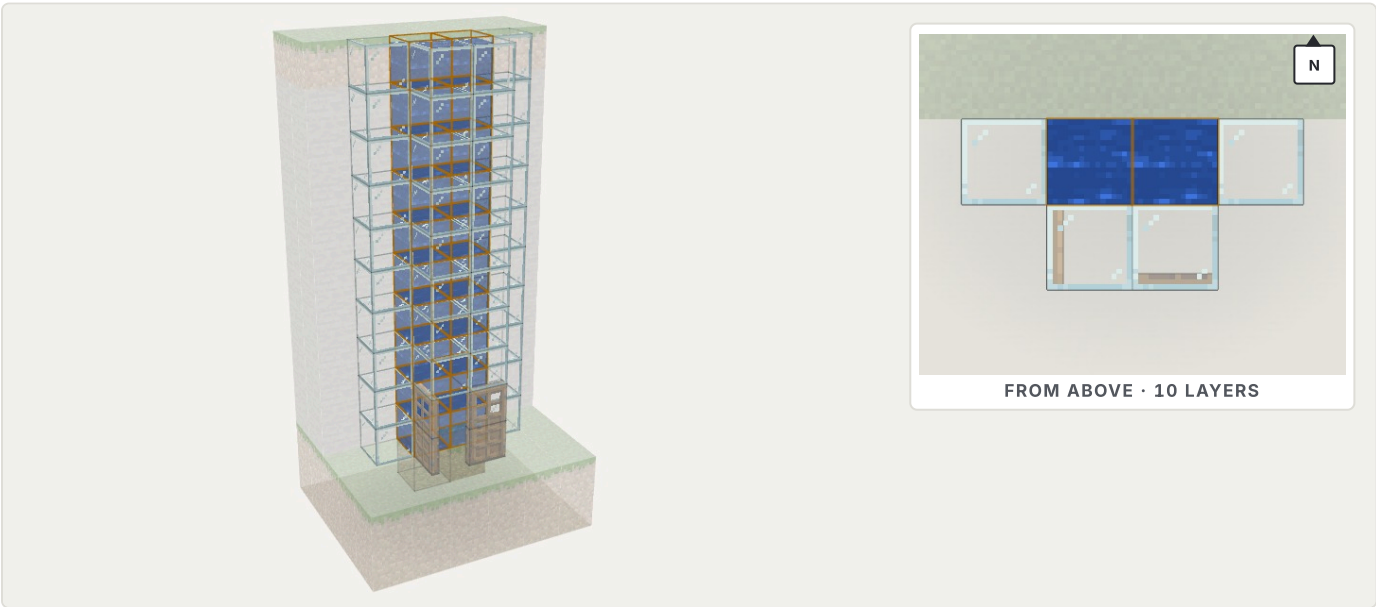
New blocks are outlined



2×
Water Bucket

A water bucket at the top of each

Pour it into the top block of each shaft. It falls to the bottom as flowing water: no bubbles yet. Bubbles need source blocks.



5

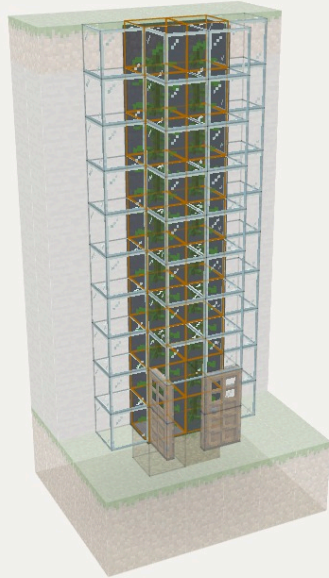
□ New blocks are outlined



20×
Kelp

Kelp from the bottom to the top

10 in each shaft, starting on the floor (go in through the door and swim up as you place it). Every block with kelp is a water source.



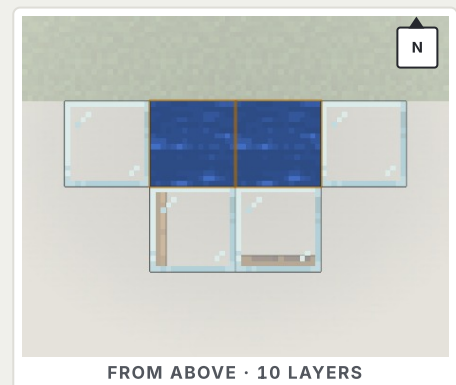
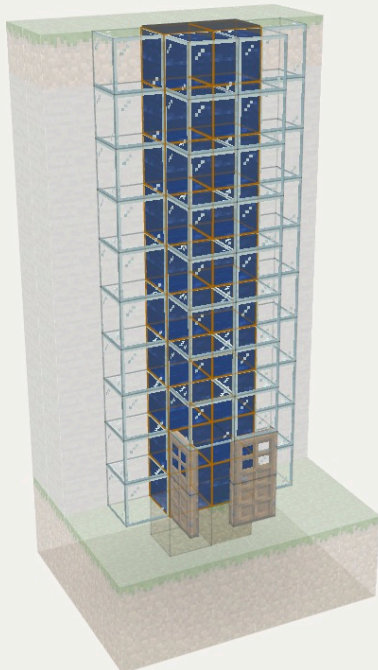
6

□ New blocks are outlined

+20 forms by
itself

Break the lowest kelp

The rest pops off by itself and every block stays a source. The left shaft starts bubbling up at once. You get the kelp back.

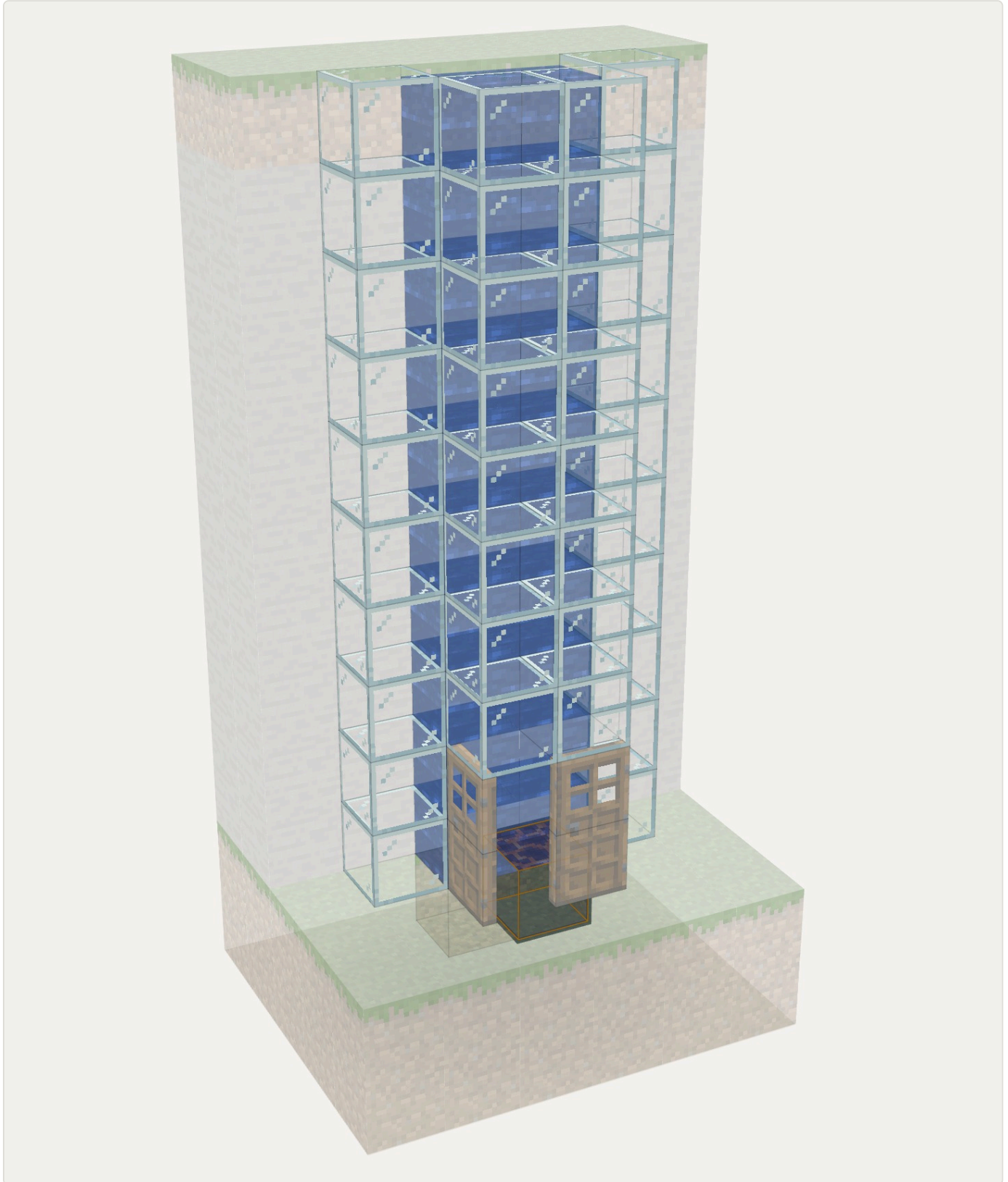


7



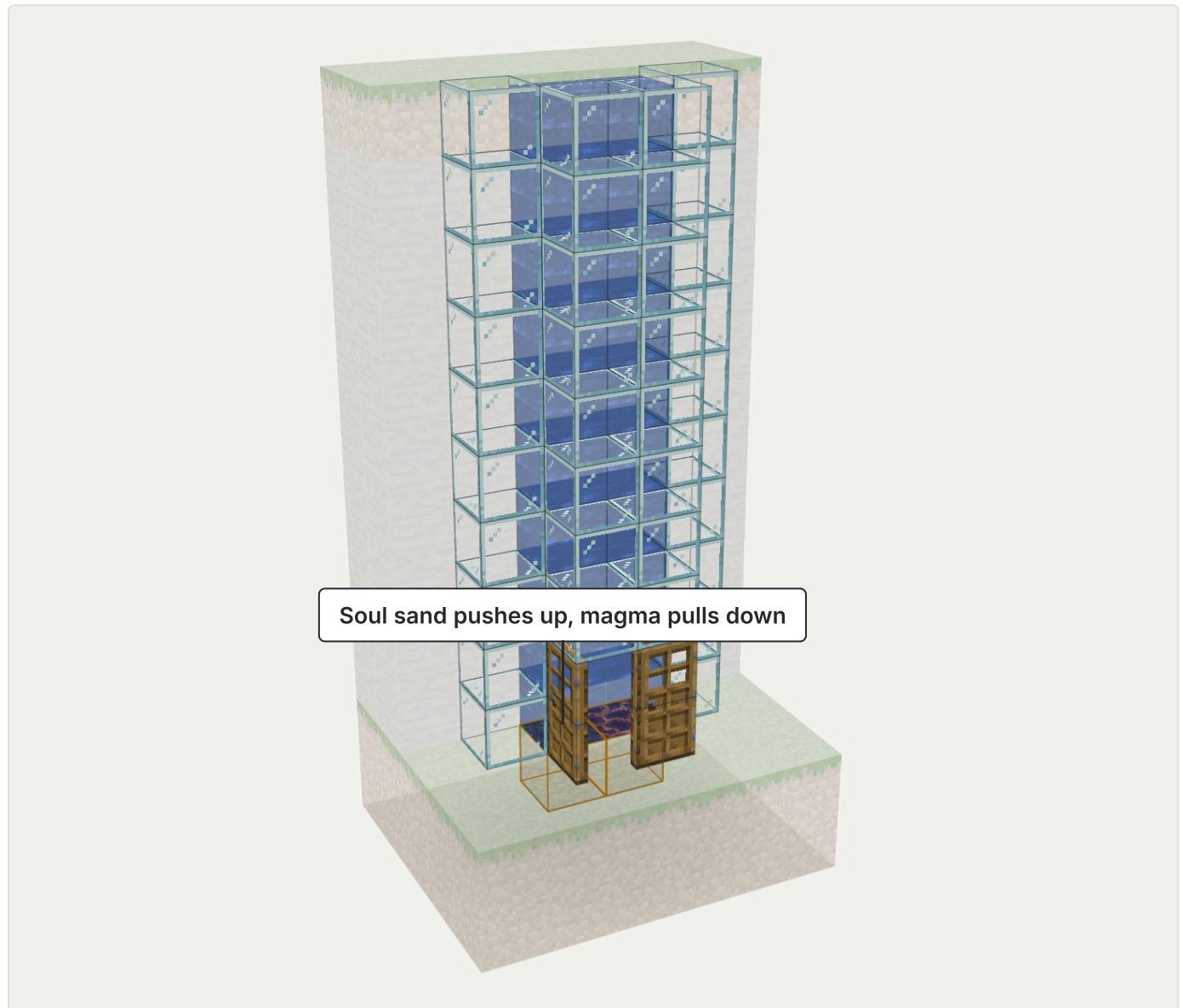
Magma under the right shaft, last

Break the ground block under the right shaft and put a magma block in. Kelp won't stand on magma, that's why it comes last. Now the bubbles pull down.



Finished!

Why it works



Soul sand under water makes a bubble column that pushes you up; a magma block makes one that pulls you down. A bubble column only grows through water source blocks: the first flowing block ends it. One bucket at the top only gives flowing water, so the kelp turns every block into a source, and breaking the lowest kelp pops the rest and leaves the sources behind. Kelp and seagrass will not stand on magma, so the magma goes in last. Tested in Java 26.3: 10 blocks up in 0.9 seconds, down in 2 seconds, and you never run out of air inside a bubble column. At the top the bubbles throw you a little over the edge: step onto the cliff. At the bottom of the down shaft the magma hurts (1 heart a second, unless you sneak), so walk straight out. Doors hold the water in whether they are open or shut. No cliff? Build a back wall of glass too (20 more blocks) and put a block to step onto next to the top.

Not an official Minecraft product. Not approved by or associated with Mojang or Microsoft. Block textures: Minecraft, © Mojang, loaded live from Mojang's official server.