

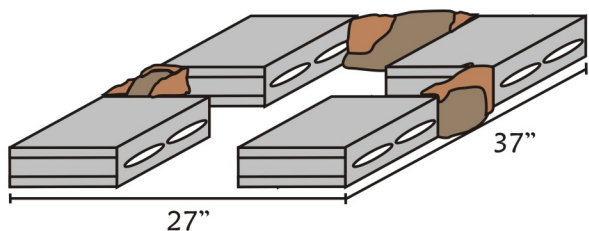
The Belizean Justa Stove

Step-by-Step

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- ① Lay 4 blocks down as shown in the drawing. Each block should sit on a thin sheet of mud mortar so that it sticks to the table below.

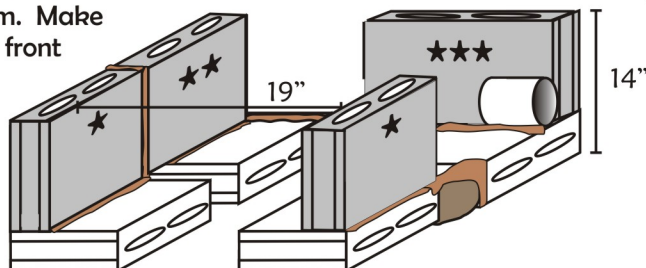


All 4 blocks should be level and square with one another.

Fill the three indicated gaps with rocks and mud mortar. The rocks should not rise higher than the blocks!

- ② Set the blocks labeled * on the outer edge of the first two horizontal blocks. They should be plumb, level and have 19" between them. Make sure both blocks come up to the front edge of the structure.

Block ** should butt up completely against the block in front of it. Block *** should be square and plumb to the back edge of the structure.

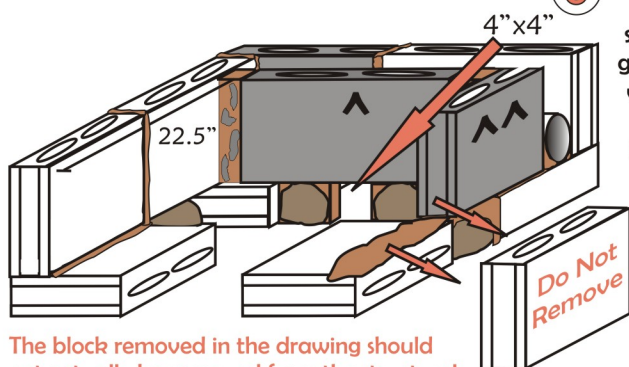


Cut the bottom out of the milk can and lay it against block *** as shown.

- ③ The block labeled ^ should be set 22.5" back from the front edge of the structure, as shown in the drawing. The gap left beneath it should be reduced with rocks and mud to a size of 4"x4".

Block ^^ will need to be cut down so that it fits between the milk can and the block in front of it.

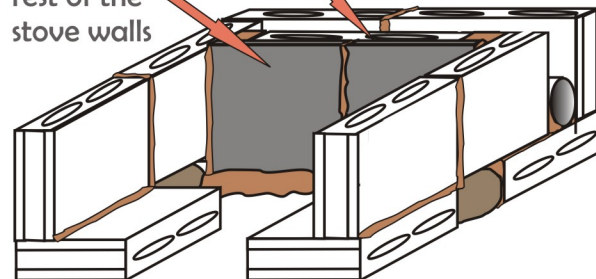
The third block must also be cut down in length so that it fills out the back wall completely.



The block removed in the drawing should not actually be removed from the structure!

Second wall, 1/4" higher than the rest of the stove walls

1.5" canal between the two walls!



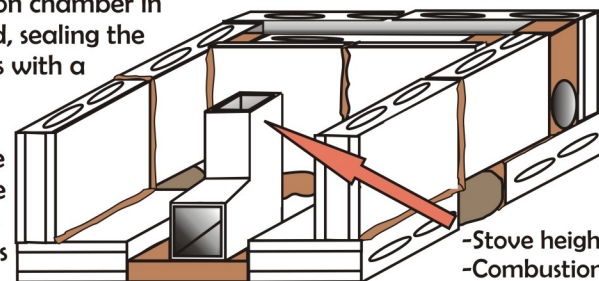
- ④ Build a second wall, made from commercially available cement floor tiles. Stick these tiles upright in mud mortar 1.5" from the wall behind it.

This second wall should be 1/4" higher than the first!

This is the only wall which is higher than the rest!

- ⑤ Build the combustion chamber in the manner indicated, sealing the joints between the tiles with a very thin mix of mud.

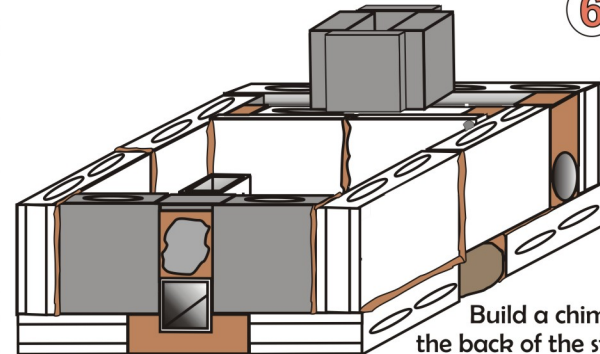
The chamber should be centered and should be lifted so that it ends up 1/2" lower than the walls of the structure.



-Stove height: 14"
-Combustion Chamber: 13.5"

- ⑥ Close off the front wall of the stove with 2 half blocks - one on each side of the combustion chamber. These should be the same height as the other walls.

Close off between the blocks with a fitting rock and mud, capping the top with cement, level with the two blocks.



Build a chimney stack over the canal at the back of the stove - the stack can be located anywhere along the canal, and should be at least 2 inches from the smaller canal built in step ④.