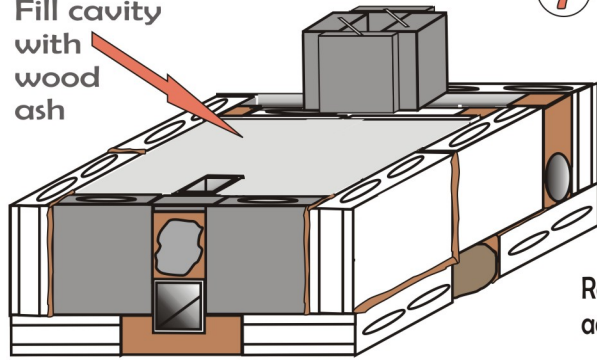


2, 6" Pieces of Rebar

Fill cavity with wood ash

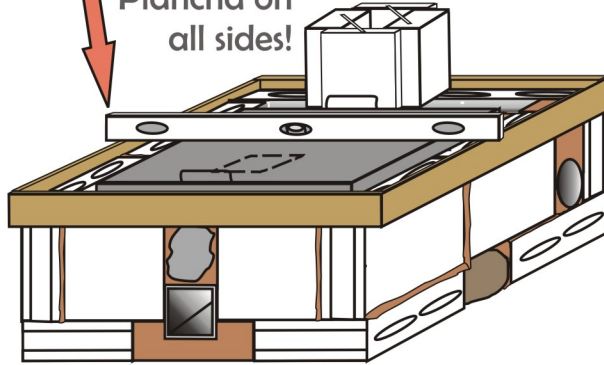


7 Fill the large cavity left in the stove with dry, sifted wood ash. Fill ash to the height of all of the walls - including taller walls!!

If you are short on wood ash, put the finest ash at the top of the pile.

Rest 2, 6" lengths of rebar diagonal across the gap in the chimney stack.

Level with the Plancha on all sides!



8 Center the plancha over the large cavity and make sure that it sits flat on all walls.

The sacrificial plate should be over the combustion chamber!

Next, build a frame around the crown of the stove with the framing studs, and level the frame with the plancha.



A U-shaped canal made from scrap sheet metal creates a tray to catch soot from the chimney.

Fuel Shelf

9 Frame the Plancha with the strips of cardboard, and fill the space between the two frames with either cement or a damp, mix of earth, sand and construction lime.

Rest a chimney tube on the two diagonal lengths of rebar and seal it in with earth or cement as shown in the drawing.

Build a 20" long, U-shaped sheet metal tray to catch wood ash falling from chimney - insert through can.

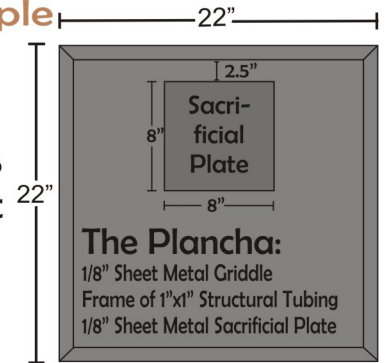
The Belizean Justa Stove

A Step by Step Construction Guide

Drawings and Text by Sebastián Africano, 2006
Based on Designs Used and Developed by:
La Asociación Hondureña Para el Desarrollo, (AHDESA), The Aprovecho Research Center, and Trees, Water and People

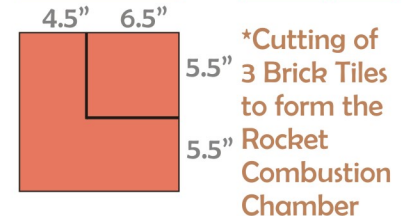
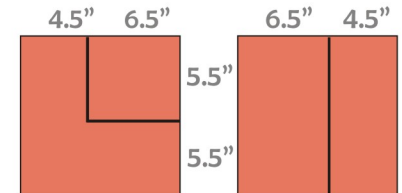
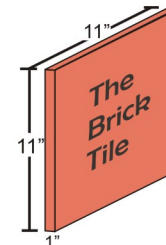
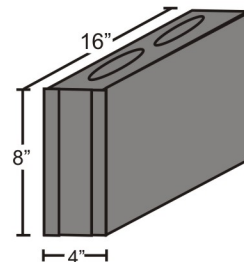
Materials List

- 14, 4" Wide Cement Blocks
- 2 Cement or Ceramic Floor Tiles
- Mud Mortar or 1 Bag of Cement
- Three sacks of River Sand
- 60" Length of 3/8" Rebar
- 1 Sack of Sifted, Dry Wood Ash
- 1 medium sized Milk Can with the bottom cut out
- 2 Wood Wall Studs 1"x 2"x 72"
- Handful of Small Nails
- 4 Strips of Cardboard 2"x 22"
- 3-5 Brick Tiles (below), 11"x 11"
- A Ceramic or Metal Fuel Shelf - Permits Air Flow Under Fire



Basic Pointers:

- Always use a Fuel Shelf
- Always chop firewood down in size for best results
- Always use dry firewood
- Once a week, tap Chimney with a stick to keep it from clogging
- Once a week, dust the soot off the bottom of the Plancha



*Cutting of 3 Brick Tiles to form the Rocket Combustion Chamber