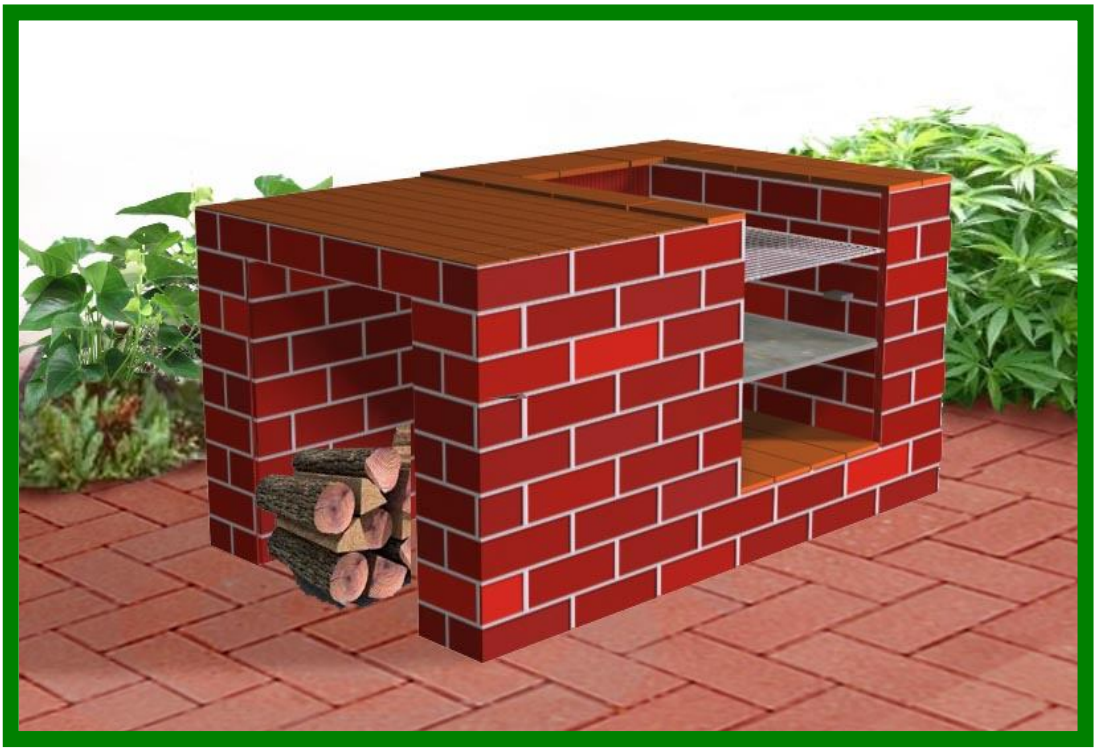
BUILD YOUR OWN CLAY BRICK BRAAI - PLAN A

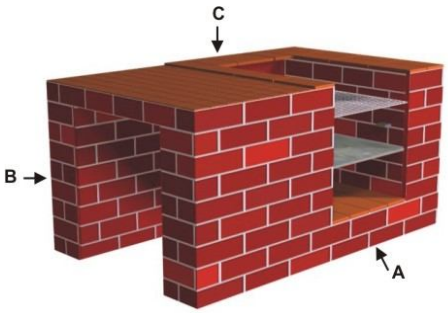


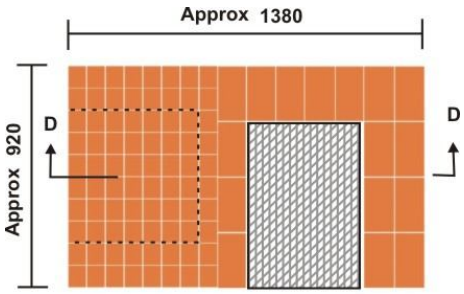
MATERIALS AND QUANTITIES

Clay Face Bricks	240
Clay Plaster Bricks	50
Red Quarry Tiles (229x114x16)	28
Ceramic Mini-Tiles	6 Sheets
Cement	90kg
Building Sand	360kg
Steel Lugs (120x40x6)	12
Steel Bars (76x10x610)	2
Grille	1
Fire Grate	1

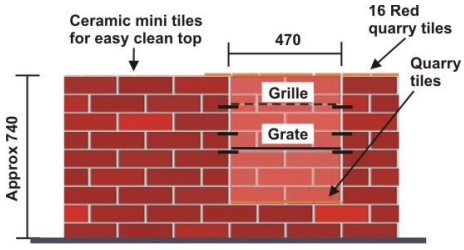
TOOLS

Bricklayers Trowel
900mm Spirit Level
Brick Hammer
Bricklayers Line
Bricklayers Pins Corner Blocks
Square and ruler or tape measure

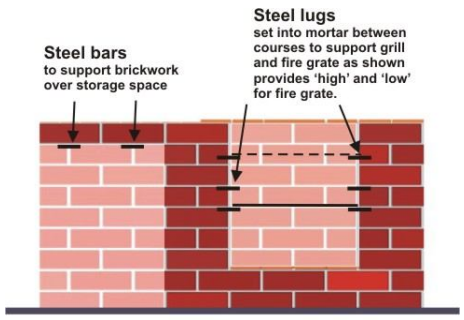




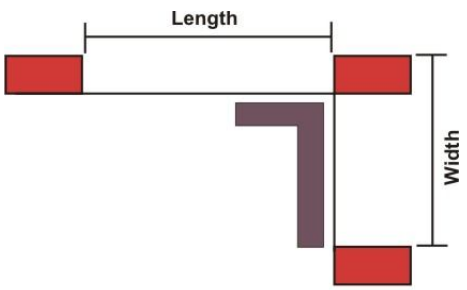
PLAN (Arrow C)



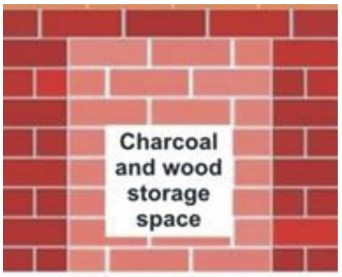
FRONT VIEW (Arrow A)



SECTION D-D



SETTING OUT



END VIEW (Arrow B)

INSTRUCTIONS

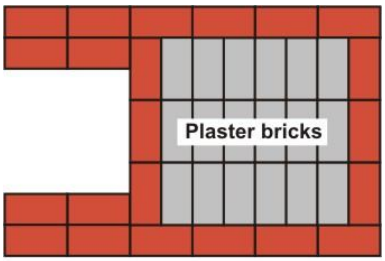
Study Instructions and Drawings before starting.

This project has been kept as simple as possible and can be completed in a weekend. Each stage has been illustrated with drawings. The plan and elevation drawings show the overall dimensions of the braai, and the perspective drawing shows how it looks on completion. A copy of the book 'Clay Bricklaying is Easy' is available from ClayBrick.org for instructions on mixing sand and mortar and techniques for handling tools.

1. Foundation

If you have a hard level floor as in the corner of a patio, it will be all the foundation you need to set the bricks out. However, if you are working on ground, clear and level an area of about 150mm wider all around than the size of the completed braai area.

Then excavate about 2-courses deep (160mm) and fill with bricks and mortar. Check levels all the way. Allow to dry for a few hours.



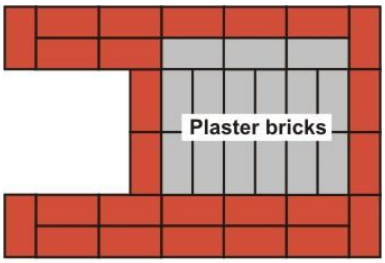
1st course with all bricks in position

2. Setting Out

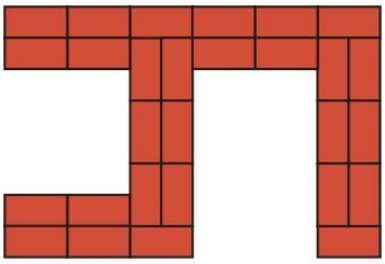
Set out the back line by stretching a line between two bricks. The distance between the inside faces of the bricks should be equal to the length of the braai.

Use a square to take a line off at a right angle from the inner corner of the right-hand brick (see illustration). Measure off the width against this line and secure the line with a brick. Use a pencil to mark the two lines you have set out.

Place Clay Bricks loosely, allowing 10mm gaps for mortar against the back and side lines. From this square base you can now complete the perimeter set of brickwork as seen in the drawing for the 1st course. Once this is done, remove the loose bricks and start laying the Clay Bricks in mortar following the pattern in the drawing for the 1st course.



2nd Course



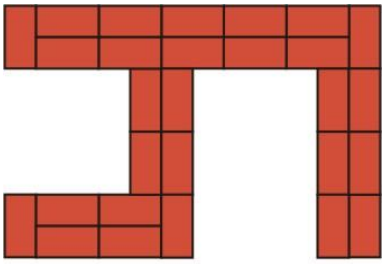
3rd Course

3. Laying the Courses

For simplicity, we show exactly how the Clay Bricks are to be laid in each course, allowing for a 10mm joint per course.

Spread the mortar evenly. Constantly check levels and plumb.

Strike the joints with the tip of a trowel to keep them neat as shown. Watch for positioning of steel lugs and bars.

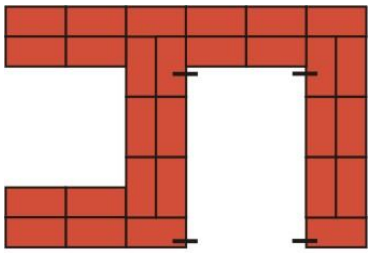


4th Course

4. Laying Quarry Tiles

The quarry tiles are laid on the bottom of the fire box and around the top edge of the grille on a bed of mortar about l0mm thick. Check with spirit level and tap down with trowel handle where necessary.

Work mortar into joints and clean off with dry cloth and broom.



5th Course.
First set if steel lugs fitted

5. Laying the Mini-Tiles

These cover part of the top of the braai to form a working surface. Lay a bed of mortar and strike off level with a board. The mini-tile sheets have a net backing for easy handling.

For the grouting, mix a jam tin of cement with a quarter tin of water to form a creamy paste.

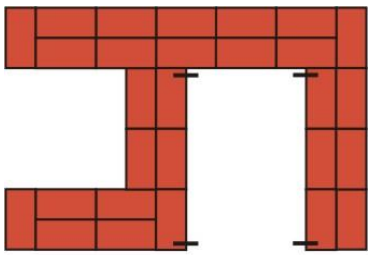
Proceed as follows:

a) Lay the sheets of tiles against each other on the mortar bed.

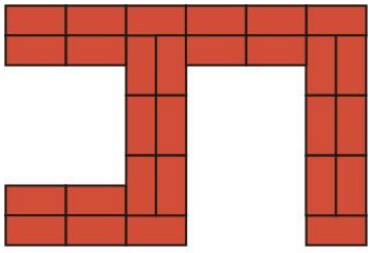
b) Cut the net backing with a knife to remove excess tiles.

c) Trowel on the grouting mixture and work into the joints.

d) Wipe tiles clean with dry cloth or soft paper.



6th Course.
Second set if steel lugs fitted



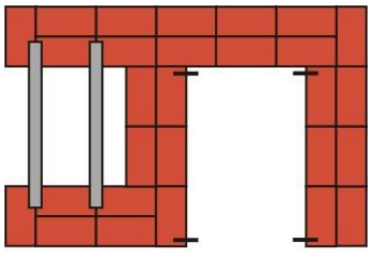
7th Course

THAT'S IT !

Fit the steel plate, grille and fire-grate on the lugs.

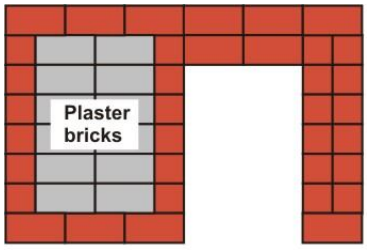
Clean up the site.

Wait three days for mortar and grout to dry out before making your first fire.



8th Course.
Steel lugs and bars fitted

Have a Great Clay Brick Braai!



9th Course.
Mini-tiles are laid on top of this course on a bed of mortar