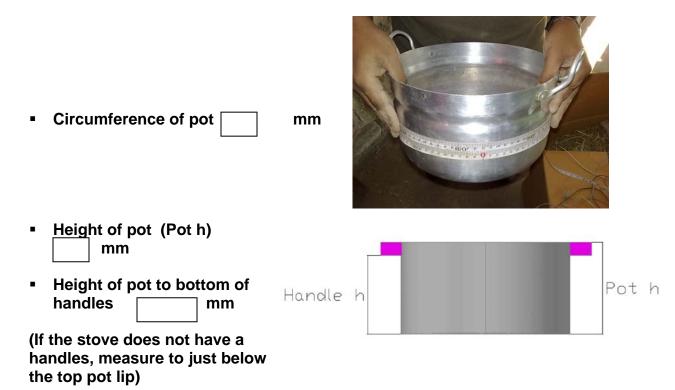
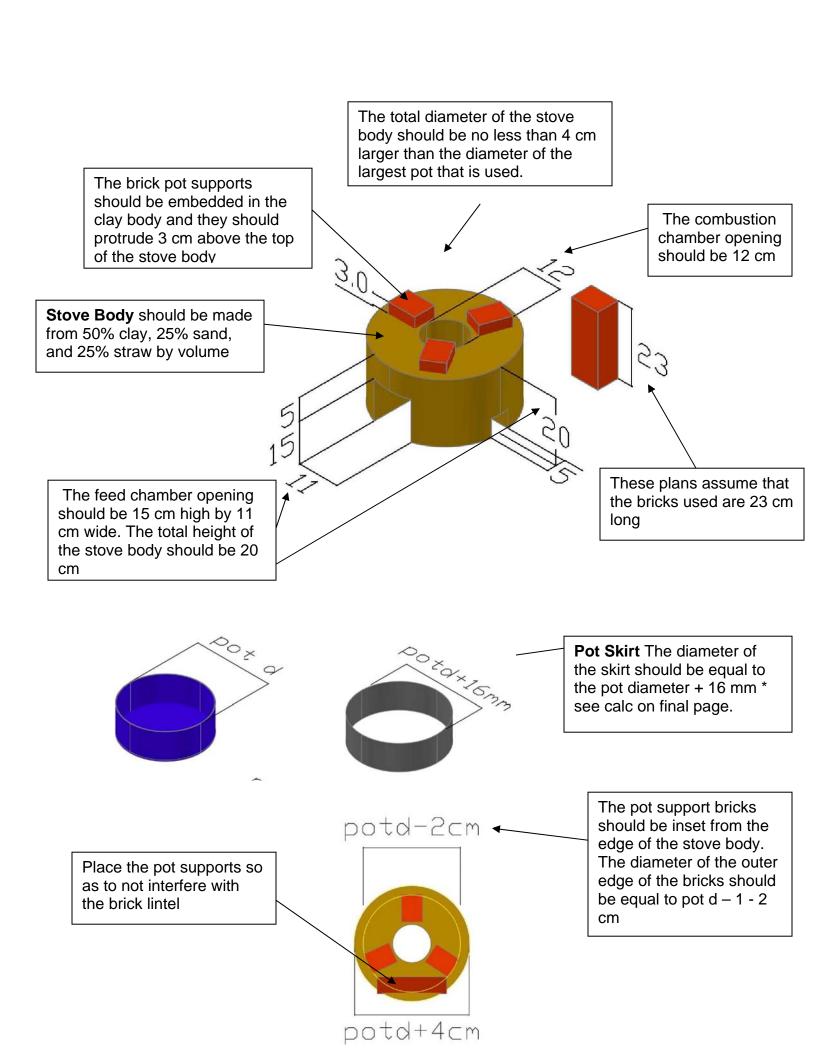
Pot dimensions. Use mm

1. **Input pot circumference**: use a soft tape to measure the *circumference* of the pot at the widest point *below* the handles.



To calculate accurate stove dimensions you need to convert the stove circumference into the stove diameter:

Pot Diameter = Pot Circumference/3.14=



Note: I have made a small error in this drawing. One of the poshown overlapping the lintel for the feed chamber. You should pot supports so they are not interfering with the lintel brick

THE diameter of the stove body should be equal to the pot diameter + 4 cm

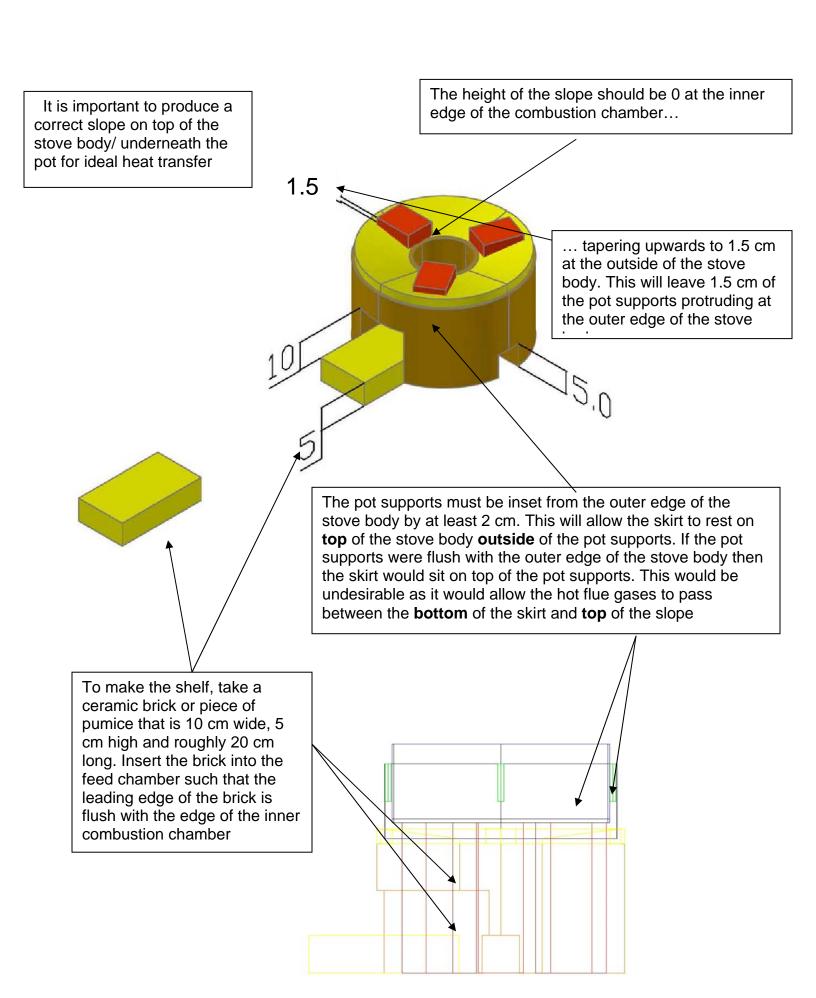
The height of the stove body above the feed chamber should be 5 cm. As this is the weak spot in most stoves there are a couple options for reinforcing it

The 1st option is to use a full brick laid lengthwise to form the lintel of the feed chamber entrance

There should be two 5 by 5 cm air inlets on either side of the stove

The 2nd option is to split the lintel above the feed chamber entrance (as I've seen in some of the improved stove designs that you are currently using). This will create an expansion joint.

The brick pot supports should be placed so that the bricks are **paralle**l to the flow of the hot flue gases. Do not rotate the bricks as this will impede the flow of the hot flue gases.

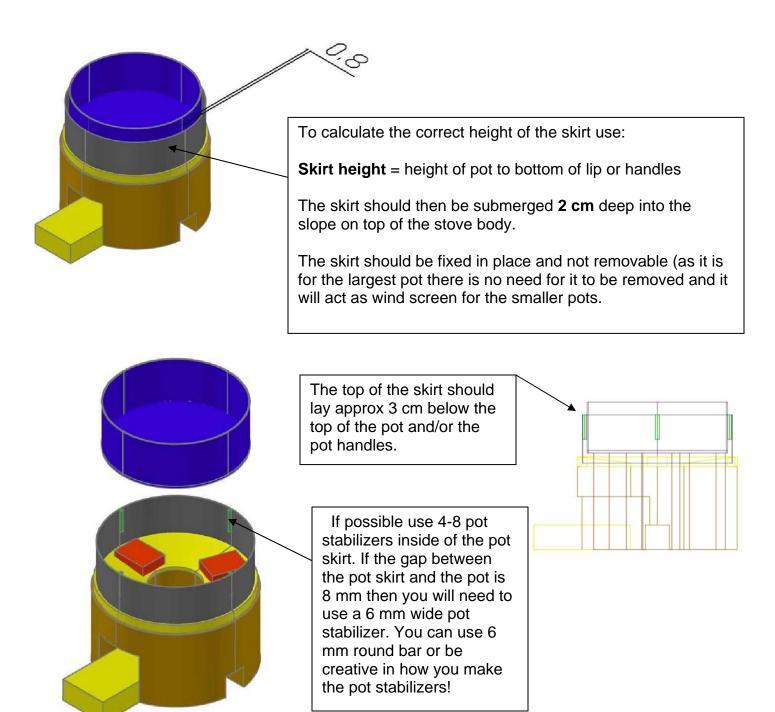


To calculate the correct cut length of the pot skirt use:

Skirt circumference = (pot diameter +16 mm +1 mm) *3.14

Normally tin smiths will add two 5 mm folds to form a lap joint to join the skirt together. These two folds actually add 15 mm to the total length of the skirt, use

Total length= skirt circumference + 15 mm





The picture here is accurate except that the brick shelf should be removable.

For more details please contact Peter Scott at apropeter@hotmail.com