

# CREATIVE PIZZA OVENS

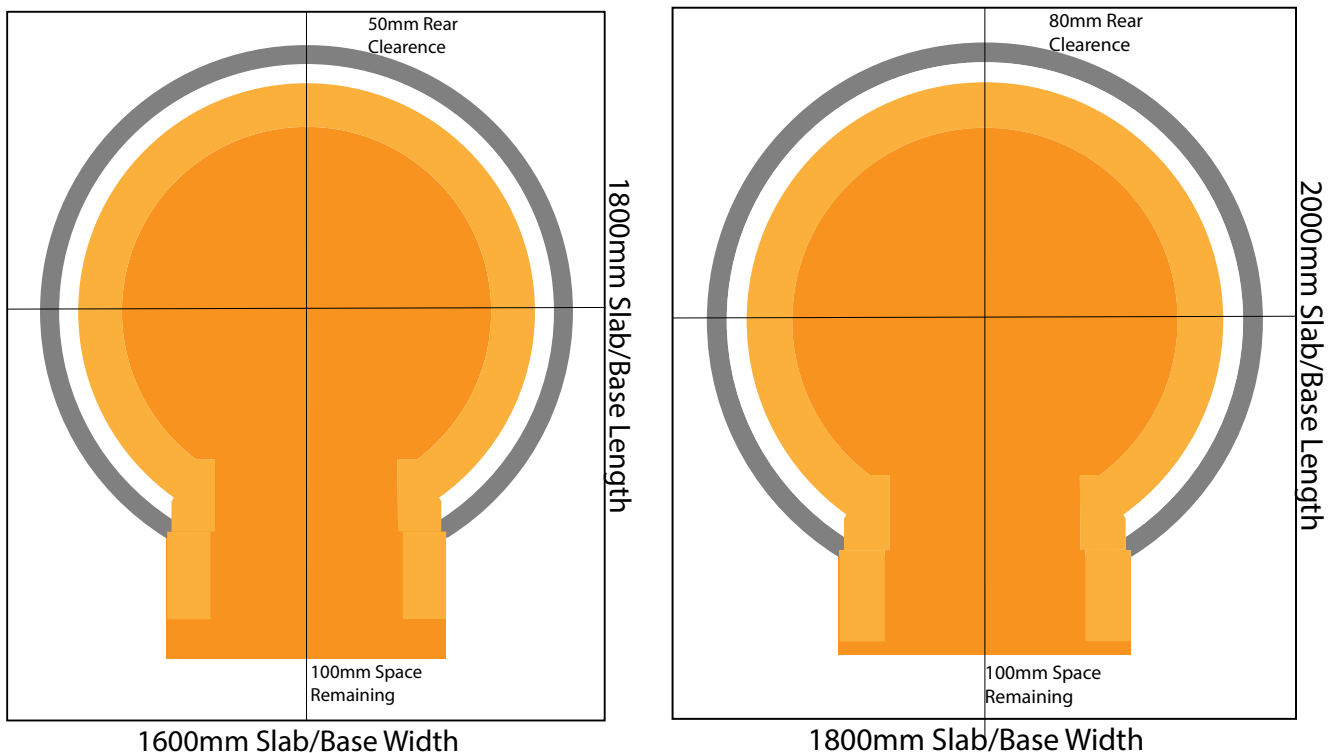
— EST 2018 —

## BASE INSTALL GUIDE

There are a variety of base designs for your oven to be constructed on, each with varying measurements to suit your ideas/requirements. The below guide is provided for those considering a block design, core filled with reinforcement (sizing can vary as desired). The design of a block construction can be achieved using the below as a guide only.

**Note:** Construction of the base should only be done by a competent person.

### BASE MEASUREMENTS CPO 100/130



**Note:** All measurements are approximate only. In no event shall Creative Pizza Ovens be responsible for any incidental or consequential damages caused by defects in the base setup. The guide provided should not replace the provided advice/engineering supplied with the products purchased for use in your design. We suggest contacting us prior to confirm current sizing.

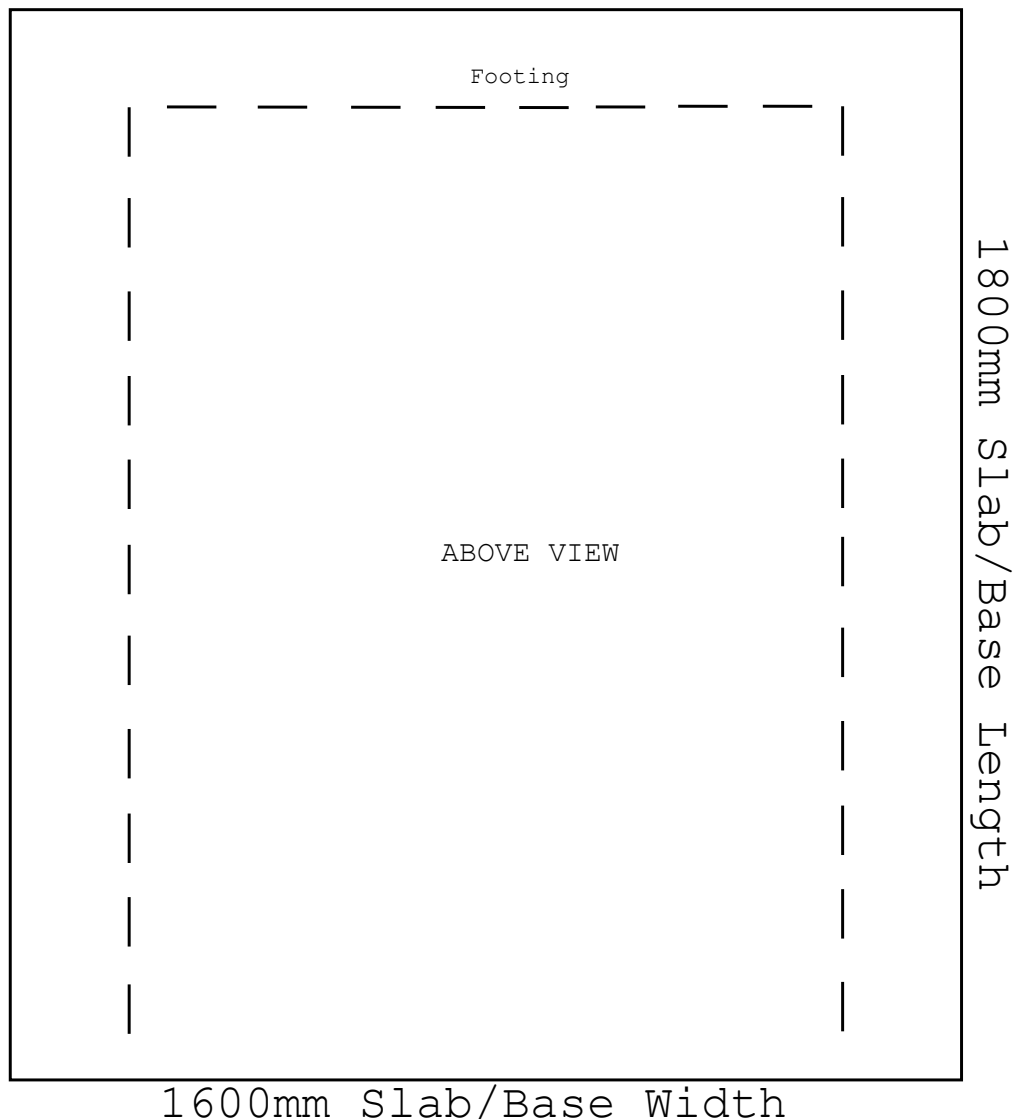
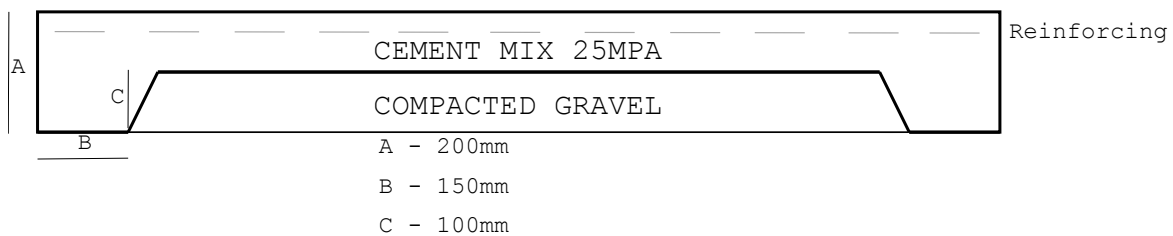
## BASE SLAB PREP/CONSTRUCTION

Prepare your base for the required size. This guide will feature the suggested minimum size for our CPO 100 design. (1600mm x 1800mm).

**Reinforcing** - Use SL82 mesh sheeting reinforcement with a minimum of 30mm from the surface and 50mm from edges. Vertical bars (12mm) will also be required every 600mm (discuss with block provider).

**Footings** - The slab will require footings, These are suggested to be a minimum of 200mm In depth as featured below.

**Concrete base** - Depending on soil type it is recommended there is a compacted level of road base of 100mm



## BLOCK DESIGN

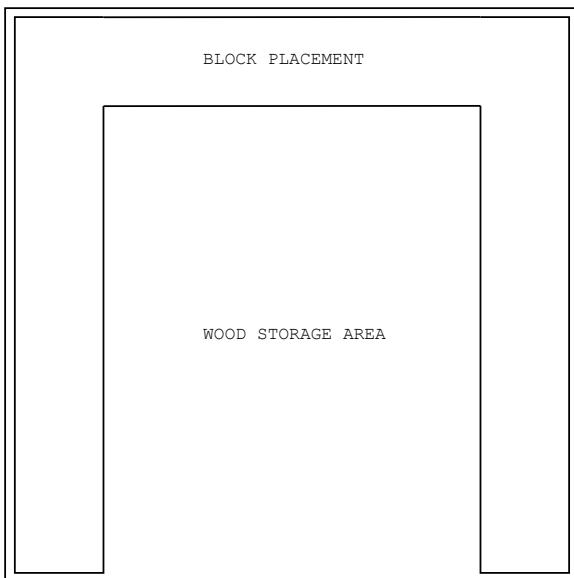
We suggest using building blocks for your construction. Consider the block measurements to determine your initial base setup/size.

Block style can vary. Discuss with your local block provider to discuss the engineering/suitability.

**Height** - Recommended height of the base is 900mm - 1100mm. Generally 4 blocks high.

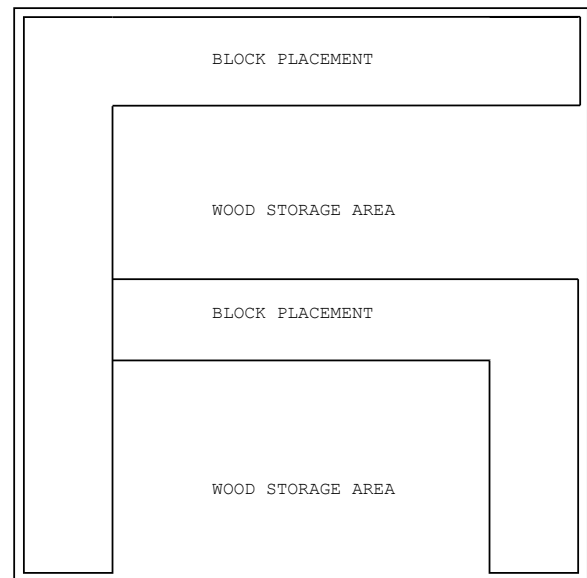
**Core filling/reinforcing** - Consult with your seller/supplier to determine best ways of reinforcement.

**Design A**



Simple "U" shape layout for CPO 100 only. Caution should be taken with span distance. Not to exceed 1200mm. If this will occur, use Design B.

**Design B**



Suggested layout for CPO 130/100 due to middle block placement. This is done to assist with span and support weight. Extra wood storage area for an appealing design.

## FINAL SLAB

After you blocks have been laid, Core-filling can now be done. Wet the blocks down prior and vibrate the mix down into the blocks.

After core filling has cured the final boxing up above the blocks can take place. This slab may be able to be poured at the same time core-filling of the blocks is done.

**Reinforcement** - Similar to the base slab, the final slab will require reinforcement with mesh minimum 30mm from the surface and a thickness of 100mm.

**Design** - The final slab can be designed with an overhang of your blocks if desired. This should be planned with your final design in mind.

Due to the final slab being visible you can also alter the design to suit. Ideas could include - exposed aggregate, polished finish, coloured oxide/pigment finish

We recommend to avoid a rough style finish as this will be difficult to keep clean during the build process.

