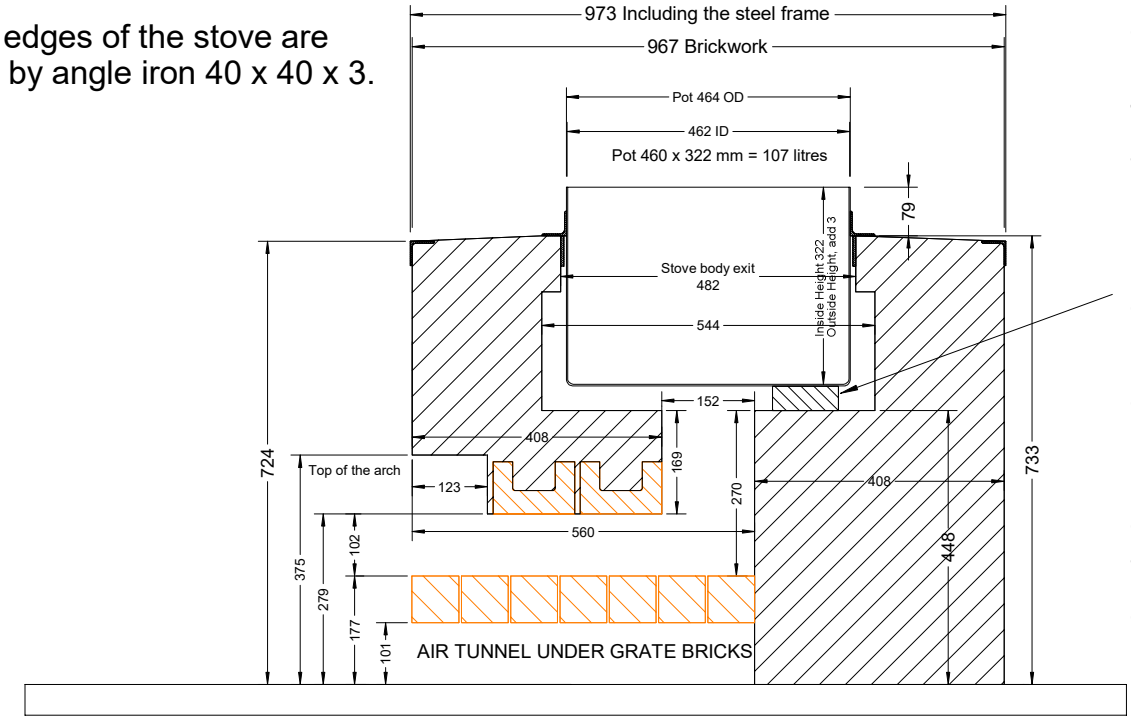
The top edges of the stove are covered by angle iron 40 x 40 x 3.



The pot entrance hole is lined with a rolled 50 x 6 or 50 x 5 flat iron bar 472 mm inside diameter welded to 4 re-bar (12mm) anchors which are cast into the corners of the stove body.

1 pair of cut bricks (40mm thick or more) centered on the chimney with a 50 mm gap between them another half-brick opposite.
The pot does not have to rest on them.
It can alternatively rest on the pot collar.

The fuel tunnel height is 102mm. The height is:
13 mm mortar on the lower grate bricks
1 brick on the flat
13 mm mortar
Then put the upper U-channels and the top of the mortar.

The vertical height of 270 mm is at Level 5

SIDE VIEW - Section through Centre

Details of the bricks creating the air tunnel are indicative only. The U- bricks (cable covers) are cut to length approx 310mm and laid across the fuel tunnel which is 152 mm wide.

2024 MEMD 50 LITRE STOVE

Key Features:

Primary air is supplied between the bricks under the fiuel

Bricks block direct exit of gases

Brick combustion chamber

Material:	Brick and High temperature brick
Quantity	Various
Scale:	Not to scale
Drawn By:	C Pemberton-Pigott

Version: 1.4 Date: 2024-12-17 Initials CPP

Drawing No. 01 MEMD 50 Litres Section through centre

Part Section through Centre