The walls of the centre channel get hot W3 --- W12 -- Section A-A Notch is produced by setting those bricks back 15mm. - W13 -.H15 -- W12 -- Section B-B CC L19 CC L18-Default --15 H15-Ash cleanout Grate support channel shelf CC L16 CC L17-Section C-C

Cast iron ash cleanout door with primary air hole diameter D7

A-A, B-B and C-C

CC L18

CCL17+15mm

CC L1

Clay face brick 80 x 90 x 225mm or equivalent Clay roof tile 320 x 210mm bridges the ash cleanout channel

The same channel roof with brick and tile can be used over the fuel feed channel. except for the 45 deg bevel.

						UG-Simba	Institutional Stove		
			Features:						
						F	Rectangular expansion chamber		
						Т	Two grates		
				S	Steel shell				
						В	Brick combustion chamber		
						Material:	Brick, refractory brick, fireclay cement		
						Quantity	1 Layer per stove		
						Scale:	Not to scale		
Version:	1.0	Date:	2024-01-24	Initials	CPP	Drawn By:	C Pemberton-Pigott		
Drawing No. UG-Simba-11 Layer 1, v1						Part	LAYER 1		

 $\bigcirc \frown$

CC W14

Α

В

- W3

Back

-- W12 ∤

---- W13 -

CC L19-

This 15mm wide strip is lower than the floor on three sides by T5 to accommodate the grates

CC W14-

Δ

Optional CC L16-15mm CC L19 CC L18 CC L18 Grate support Ash cleanout tunnel Section C-C Section C-C

ALTERNATIVE ASH CHANNEL ROOF

The section under the fuel entrance is flush with the top of the lower grate which sits on the ash cleanout channel. This raises the whole stove 70mm. With this option, the front (left in Section C-C) and back (right) platform heights will be different by 70mm.