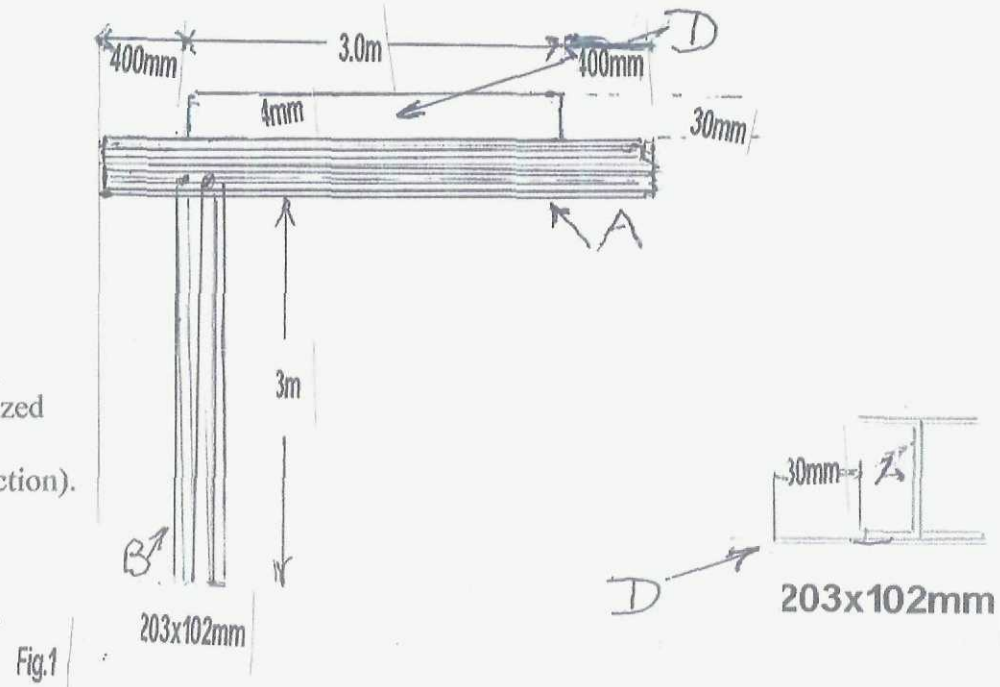


Conversion of a Barn into a 2 Bedroom House with a single story extension 6A St Thomas Rd. Spalding

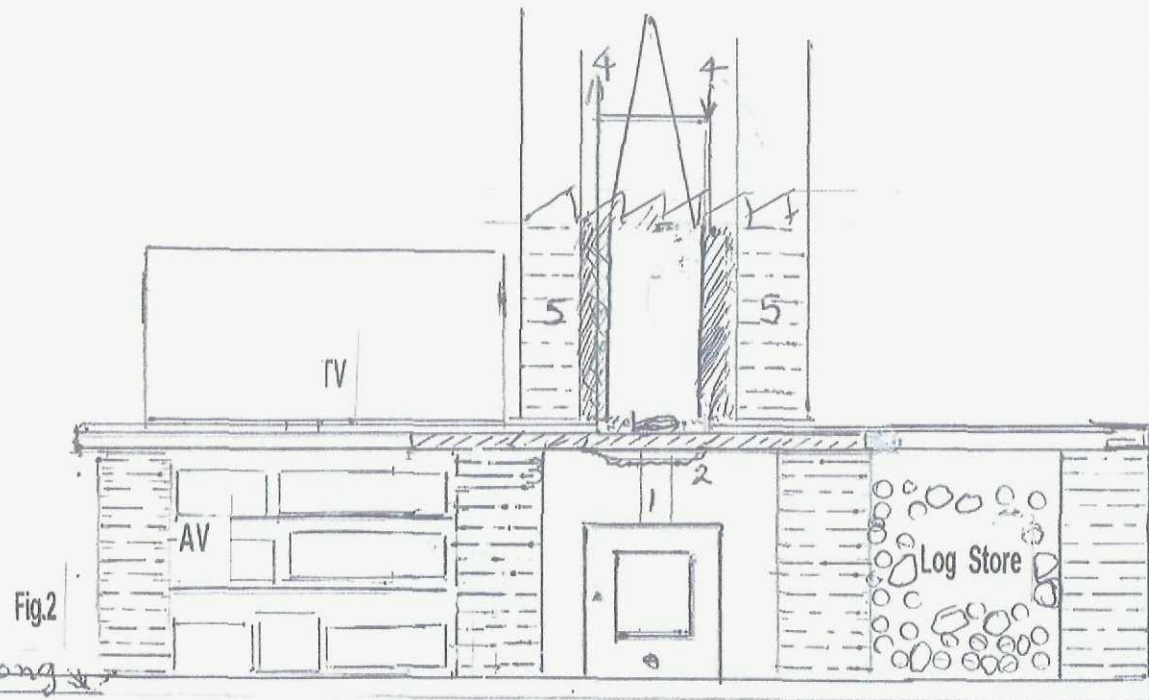
Plan of the RSJ s

Section A of the RSJ has a flat piece of mild steel (D) welded to it as shown to start the outer courses.

Section B
(the second RSJ) is fixed to A
as shown using bolts in oversized
holes and loosely tightened.
(to allow for expansion/contraction).

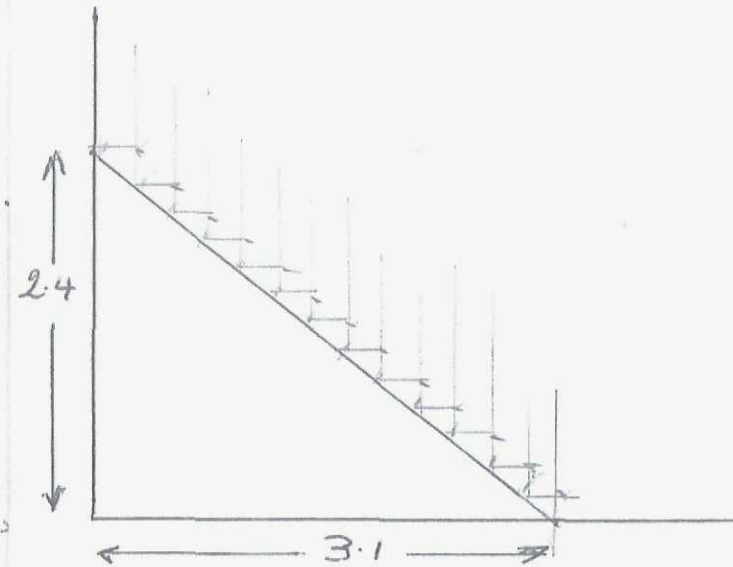


Not to Scale



Design of Staircase

The notes and sketch below are being kept for the eventual ordering of the staircase.



Height to next floor	$2.2 + 0.2\text{m} = 2.4\text{m}$
Space on ground floor	3.1m
Going	250mm
Riser	180mm
Number of steps	13
Angle	37°

Good clean recycled bricks are to be used to build this fire surround

The pointing is to be raked-out 100mm (for cosmetic effect).

The hearth (40mm x 1m deep x 2.5m wide concrete). on which it all stands is to be built of flagstones, in a 'crazy paving' form.

Because this area will probably be used for chopping wood, no voids should be left under the flagstones.

The metal stove pipe (1) will be inserted into a 4 mm mild steel sheet. (3) This steel sheet to have a hole cut out to take the stove pipe.

(A separate drawing to be raised for the Blacksmith).

This will enable a 100mm reinforced concrete base to be formed.

This steel bottomed base (3) will hold the chimney liner and surrounding brickwork (5).

The junction of the stove pipe and the steel sheet will be covered with a sump cover(2) screwed to the metal plate after making airtight with suitable fire cement.

800mm. brickwork will surround the chimney liner and the void which is formed will be back-filled with proprietary pumice/cement mix (6).

Front Elevation of fireplace and Chimney

Refs	H16-0264-12 B16-0091-15	Title
Drw for	Ms K Crewe	<u>Design Details of fireplace, Chimney</u>
Drw No.	PJC09	<u>RSJs and Staircase</u>
Drw by	Peter Crewe(Agent)	peter@petercrewe.com 01406 371348
Date	04/03/15	No Scale.