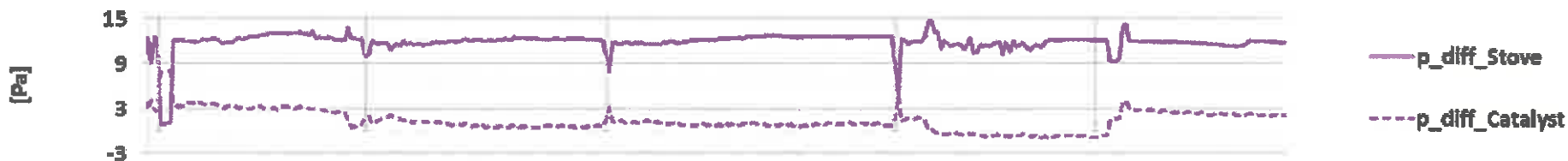
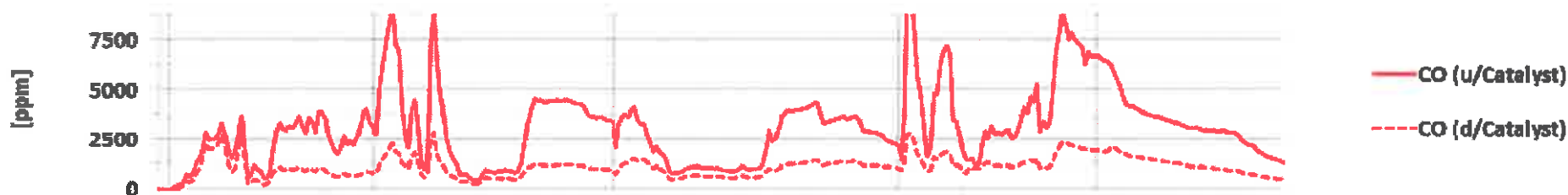


Preliminary test results SP Technical Research Institute of Sweden (Winter 2016)

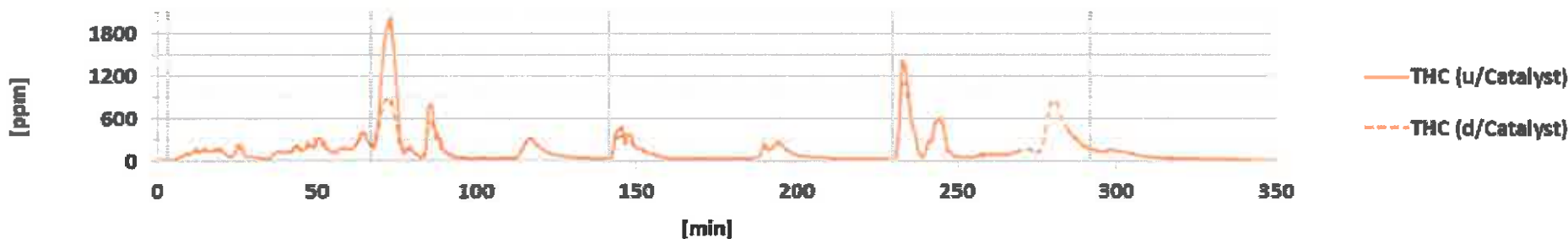
Tests performed with approx. 1.4 liter Palladium catalyst which fully covers the flue gas channel (all wood smoke goes through the catalyst)



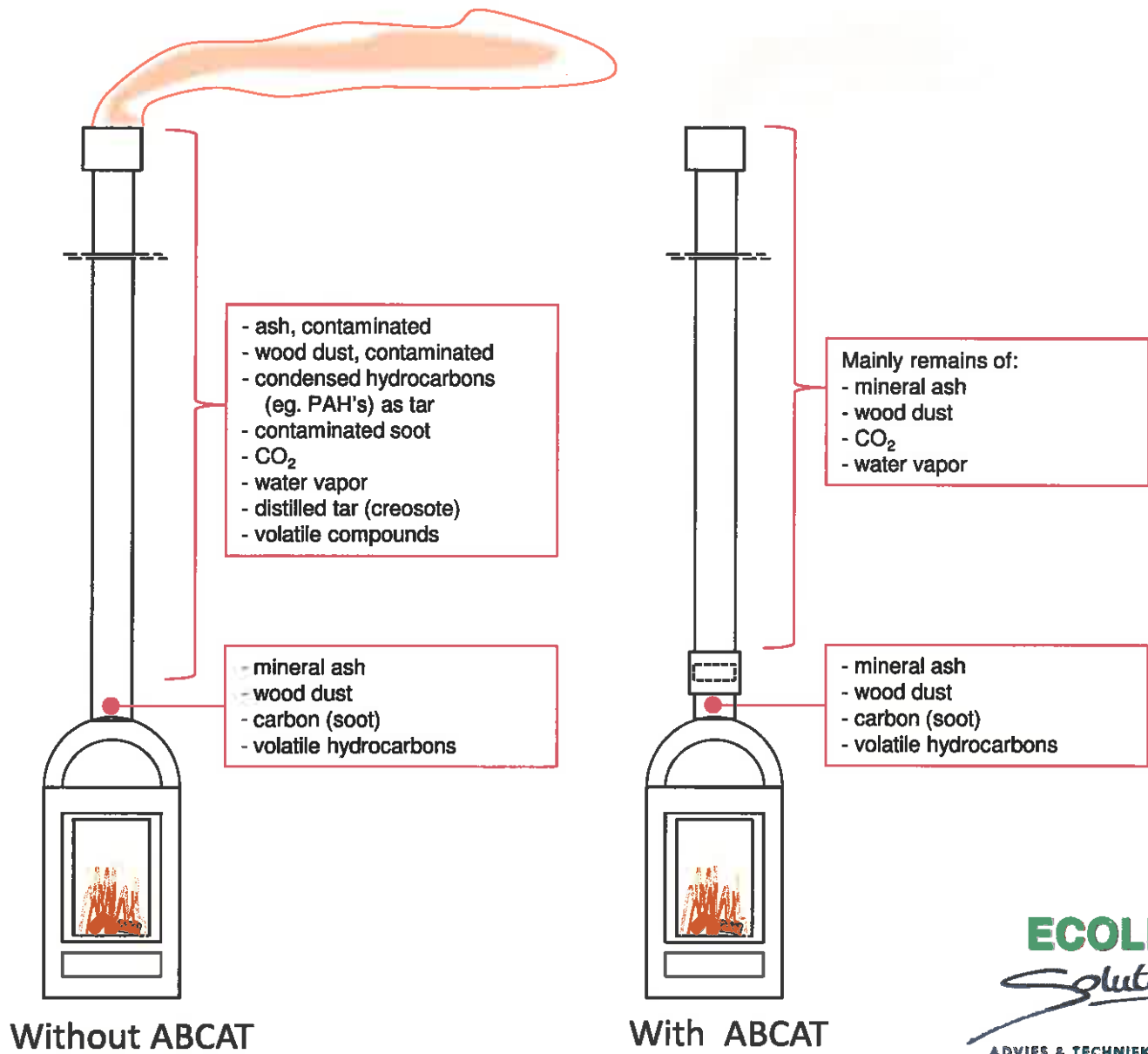
What can be seen is that the flow resistance of the catalyst is low and moves around 0-2Pa.



The reduction effect on CO was greater than expected with an average reduction of 66% over 4 burn cycles (resp. 57, 68, 67, 70%)

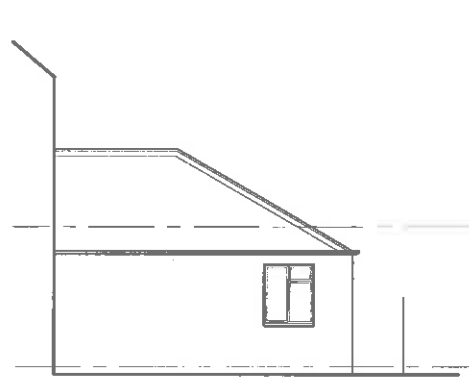


The reduction of hydrocarbons was less than expected, although the emission-peaks were nicely dampened. A possible explanation is the presence of methane in the flue gas. This particular gas is difficult for the catalyst to crack, is also detected as PAH and possibly blocks the catalyst surface for other hydrocarbons. Follow up research will be done which will hopefully provide answers. Additionally particulate measurements will also be done.

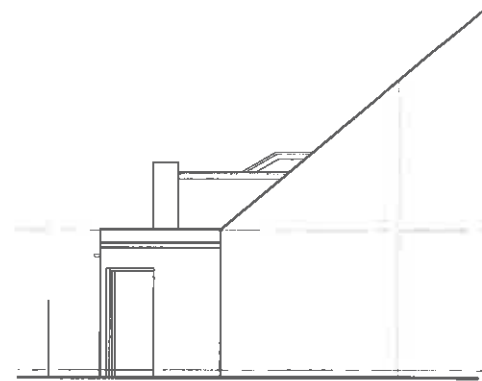




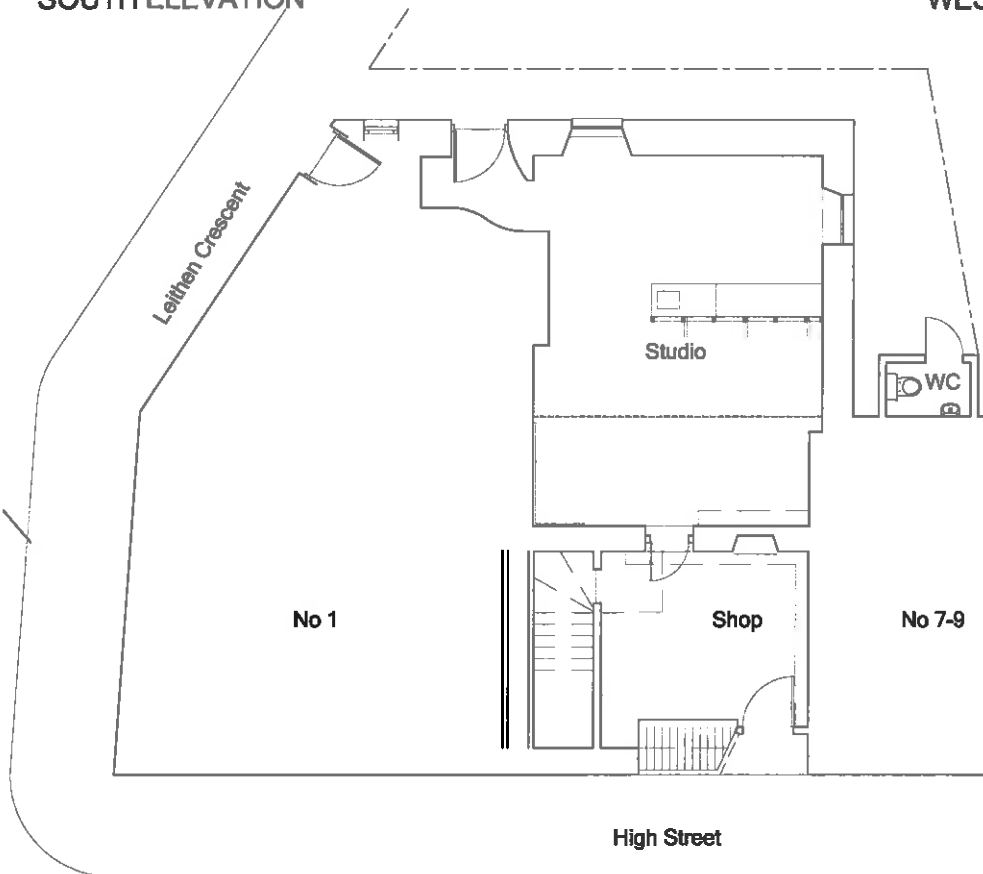
SOUTH ELEVATION



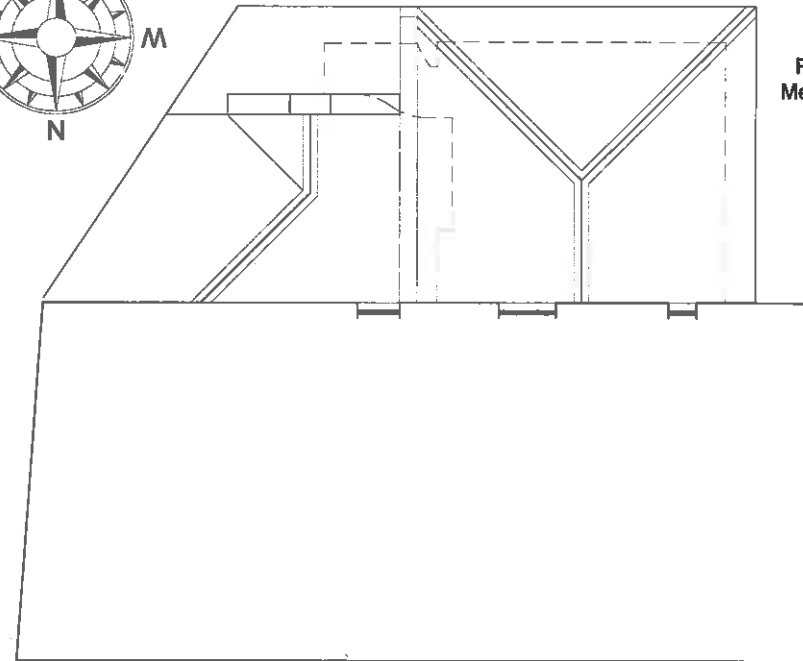
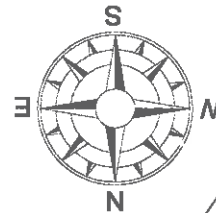
WEST ELEVATION



EAST ELEVATION



GROUND FLOOR PLAN



ROOF PLAN

project  
**Replacement Windows &  
 Metal Flue at 5 High Street  
 Innerleithen EH44 6HA**

client  
**Mr & Mrs Gordon**

drawing title  
**Existing Plans  
 & Elevations**

drawing number  
**13011-E-101**

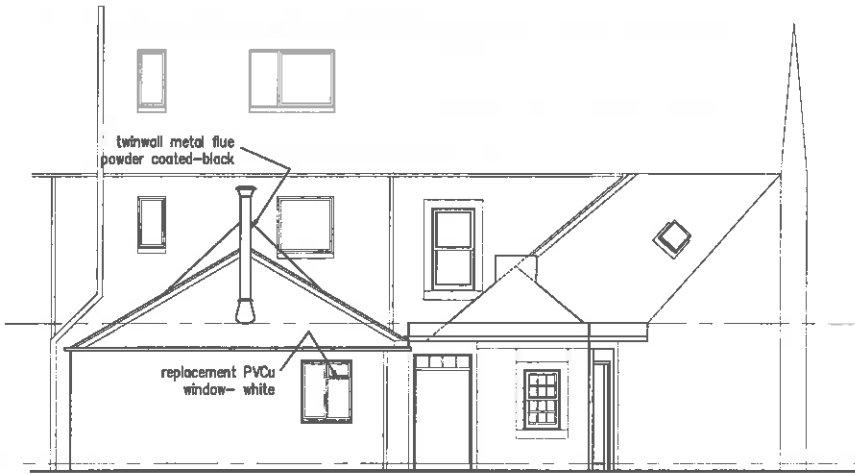
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**1:100 @A3** date  
**Sep 15**



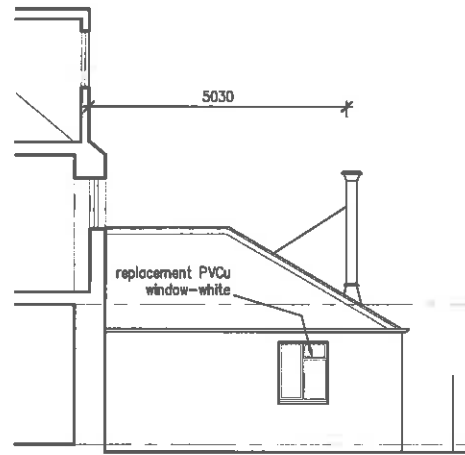
**5 High Street  
 Innerleithen  
 EH44 6HA**

tel **01896 833131**  
 mob **07789 016514**

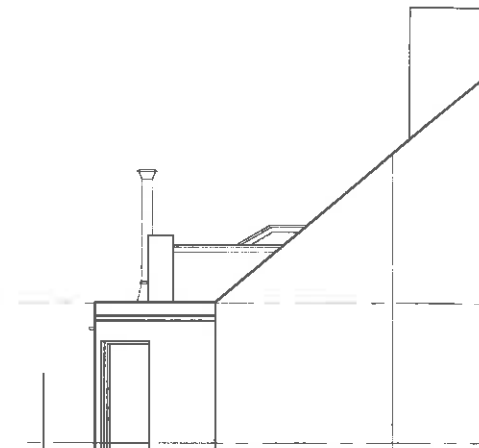
david@davidjanearchitects.co.uk  
 www.davidjanearchitects.co.uk



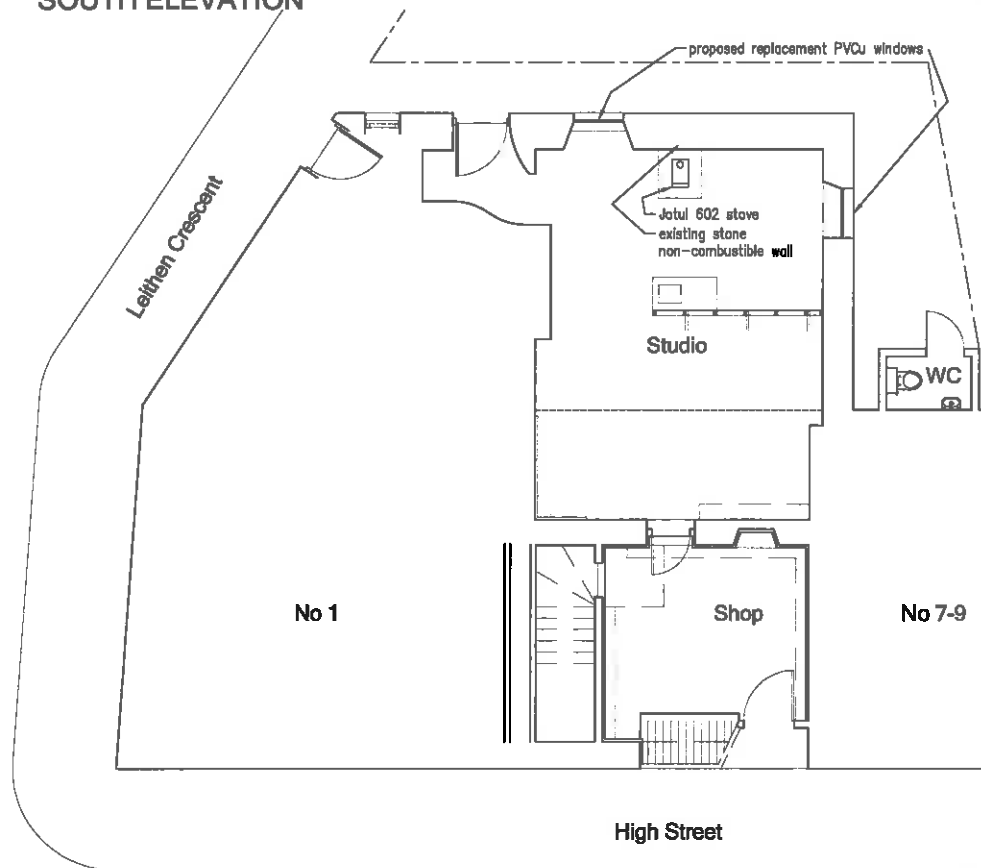
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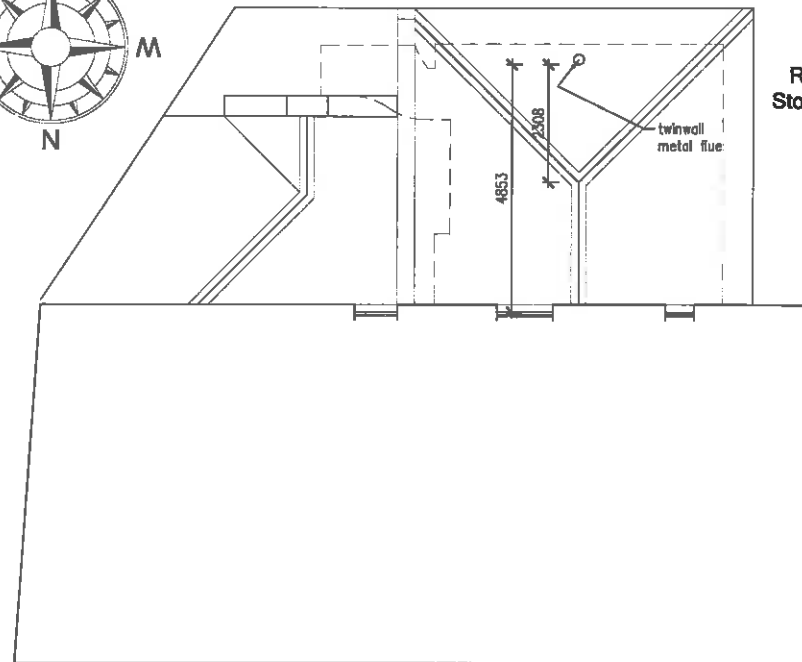
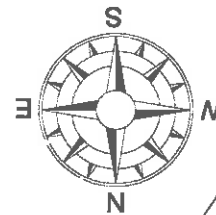
WEST ELEVATION



EAST ELEVATION



GROUND FLOOR PLAN



ROOF PLAN

A-flue height raised 11/01/16  
Revisions

project  
**Replacement Windows &  
Stove Flue at 5 High Street  
Innerleithen EH44 6HA**

client  
**Mr & Mrs Gordon**

drawing title  
**Proposed Plans  
& Elevations**

drawing number  
**13011-101-A**

scale  
**1:100 @A3**

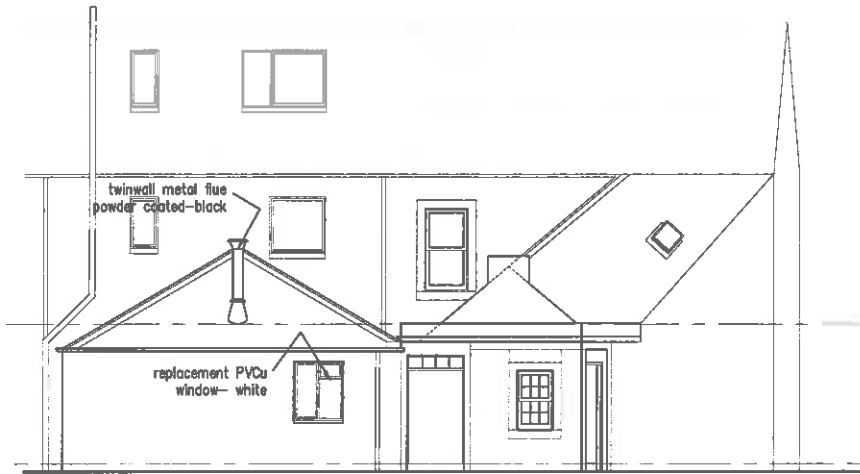
date  
**Sept 15**



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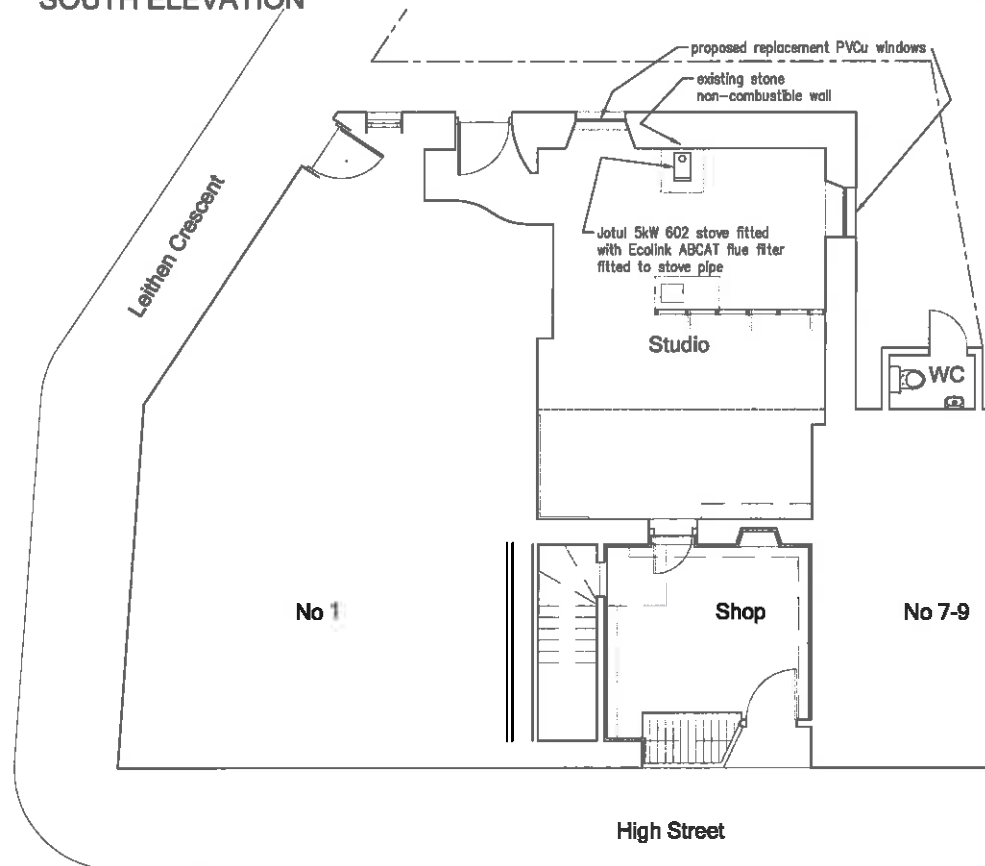


SOUTH ELEVATION

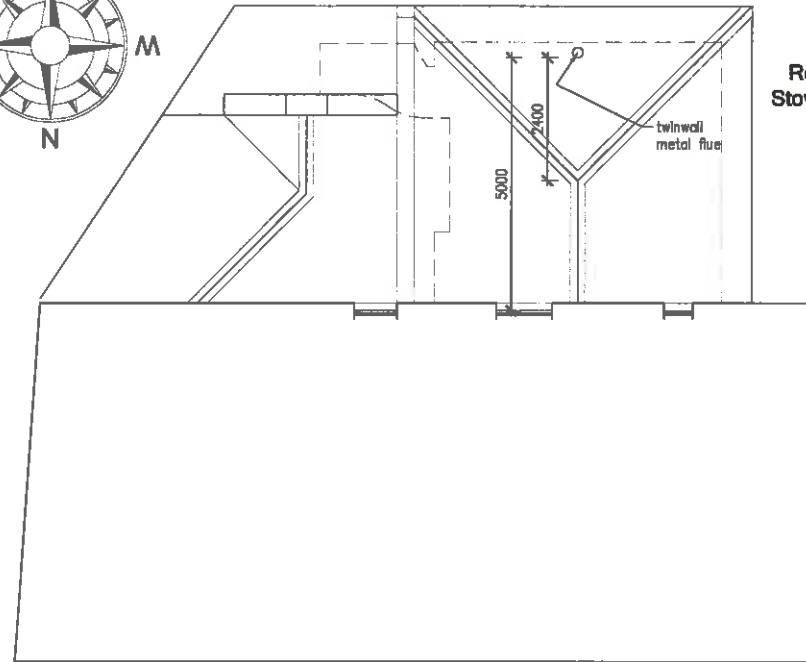
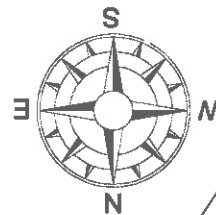


WEST ELEVATION

EAST ELEVATION



GROUND FLOOR PLAN



ROOF PLAN

B- flue filter fitted to stove pipe  
20/02/17  
Revisions

project  
**Replacement Windows &  
Stove Flue at 5 High Street  
Innerleithen EH44 6HA**

client  
**Mr & Mrs Gordon**

drawing title  
**Proposed Plans  
& Elevations**

drawing number  
**13011-101-B**

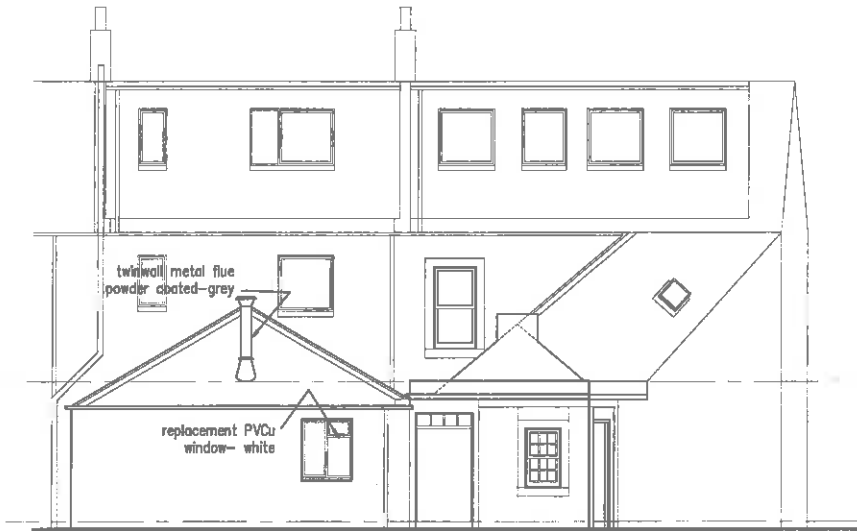
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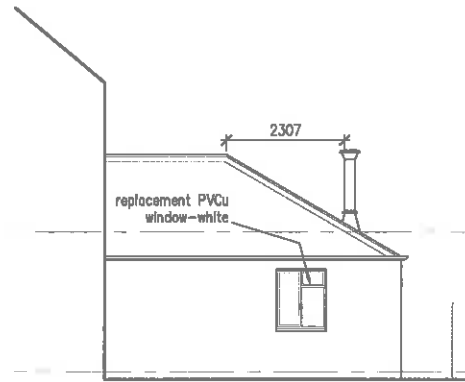
5 High Street  
Innerleithen  
EH44 6HA

tel 01896 833131  
mob 07789 018514

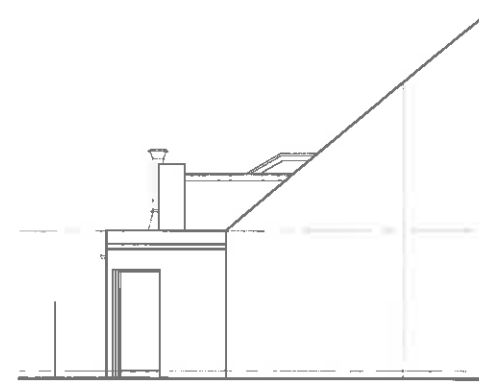
david@davidjanearchitects.co.uk  
www.davidjanearchitects.co.uk



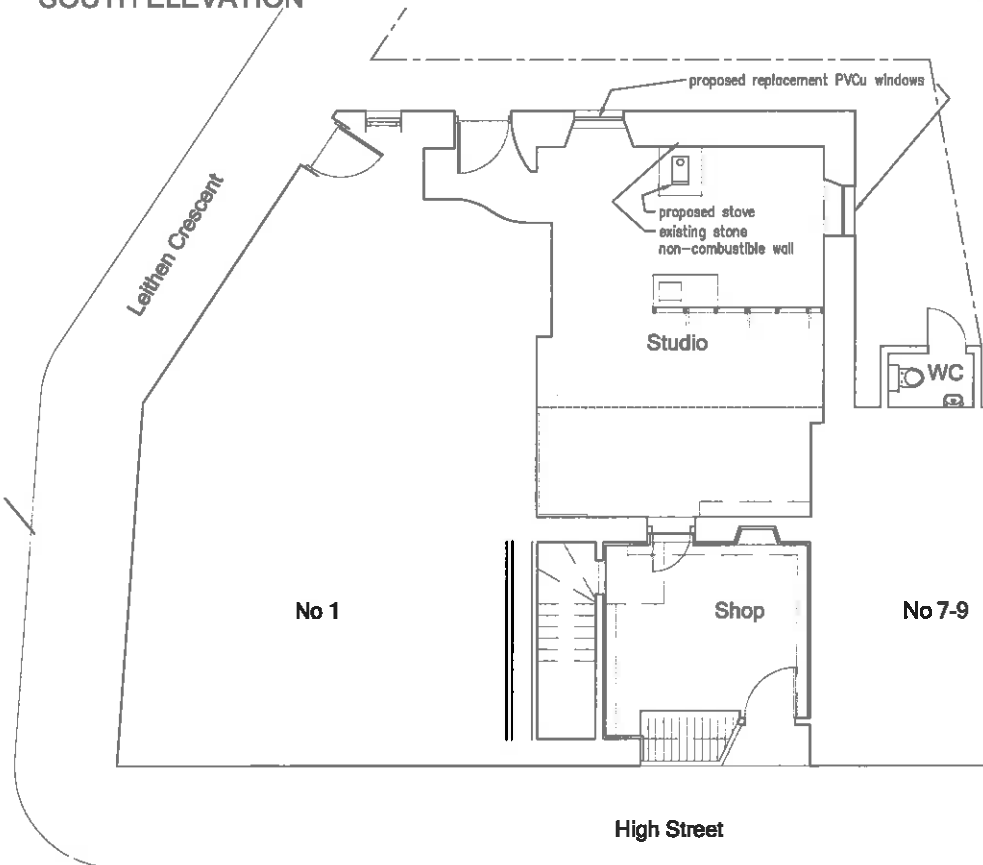
SOUTH ELEVATION



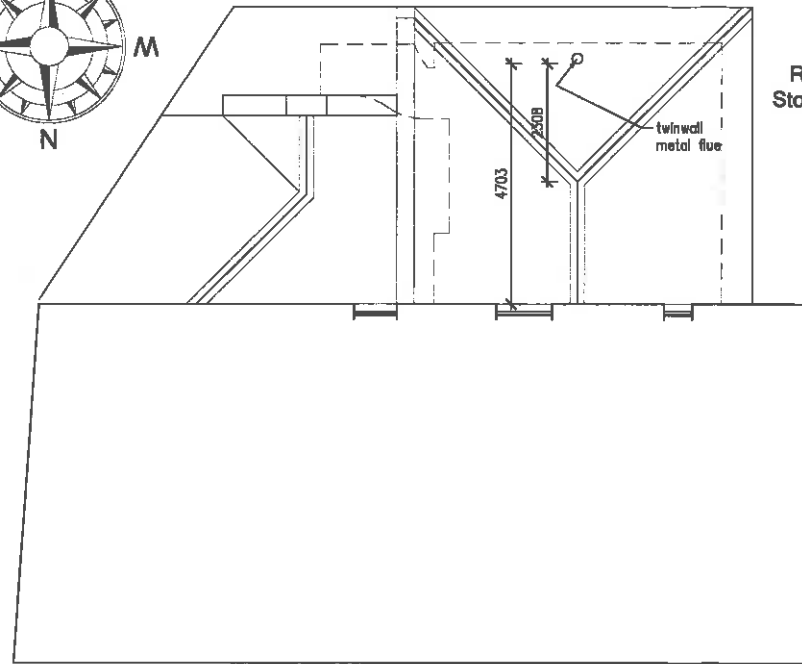
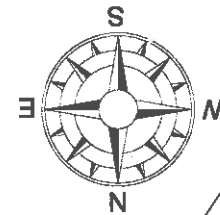
WEST ELEVATION



EAST ELEVATION



GROUND FLOOR PLAN



ROOF PLAN

project  
**Replacement Windows & Stove Flue at 5 High Street Innerleithen EH44 6HA**

client  
**Mr & Mrs Gordon**

drawing title  
**Proposed Plans & Elevations**

drawing number  
**13011-101**

scale  
**1:100 @A3** date  
**Sept 15**



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