

A photograph of a person in a light blue jacket holding a white string against a stone wall. A black vertical pole is in the foreground. The text 'IDL' is overlaid in yellow.

IDL

## Recording vernacular buildings

Gather the historical data by;  
measured surveys,  
drawing-up,  
interpretation and analysis



Health and Safety!



# Design a record form?



Billinger barn frontage

Building ID  
STA  
41

**YDNA traditional farm buildings census record sheet**

NGR (8 figs) SD 929D 67E4 Building name (if known) BILLINGER BARN  
(Mudate of 3 buns)

Parish STAINFORTH Site visit date 1-4-2011 Recorded by AcA, D.H., D.H.

Sketch plan - indicate approximate direction of north

Wall thickness measured at height of 1m

Gables other elevations outshots

Inscription

No. of roof trusses 3

Approximate dimensions  
 Length 1665cm  
 Width 950  
  
 B.C. rafters

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Photographs (Please tick box when the relevant photographs have been taken)

External elevations	Doors	Windows/forking holes, etc	Ventilators	Other wall details
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internal elevations	Fittings	Roof	Lamp recess	Other internal details
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Landscape	Views from building	Views towards building		
	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Please use the rear of this form to record additional detail not covered here

P70

Billinger barn



## Collecting your survey information

Design your own form.....

You may consider archiving your records

## **WHAT TO NOTE AND RECORD**

### **BUILDING DETAILS**

Building name, NGR; record date; recorders..

1. Building Type/Purpose:
2. Materials:
3. Exterior detail:
4. Interior detail:
5. Plan Form

### **DATING**

6. Identify the oldest part of the building and date
7. Major extensions or alterations

### **SETTING**

8. Orientation:
9. Relationships:

### **OTHER INFORMATION**

10. Initials/Datestones;
11. Oral information from owner/occupier;

### **DOCUMENTS**

12. Documentation; maps, inventories, etc.

#### **Plans, drawings and other documents to attach:**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> - block plan of site | <input type="checkbox"/> - elevations      | <input type="checkbox"/> - copies of inventories, maps etc |
| <input type="checkbox"/> - ground floor plan  | <input type="checkbox"/> - sections        | <input type="checkbox"/> - oral information                |
| <input type="checkbox"/> - first floor plan   | <input type="checkbox"/> - detail drawings | <input type="checkbox"/> - others                          |
| <input type="checkbox"/> - analytical pla     | <input type="checkbox"/> - photographs     |  |

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## **GLOSSARY and TERMS**

You can learn building terms and drawing hints from browsing in books.

# 1. FIELDWORK; (measuring for plans and elevations)



1. Fieldwork - measuring for a plan. A team of three people works well.





And behind the scenes at 11 Ladygate ...

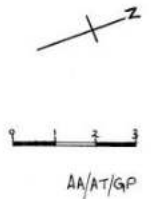
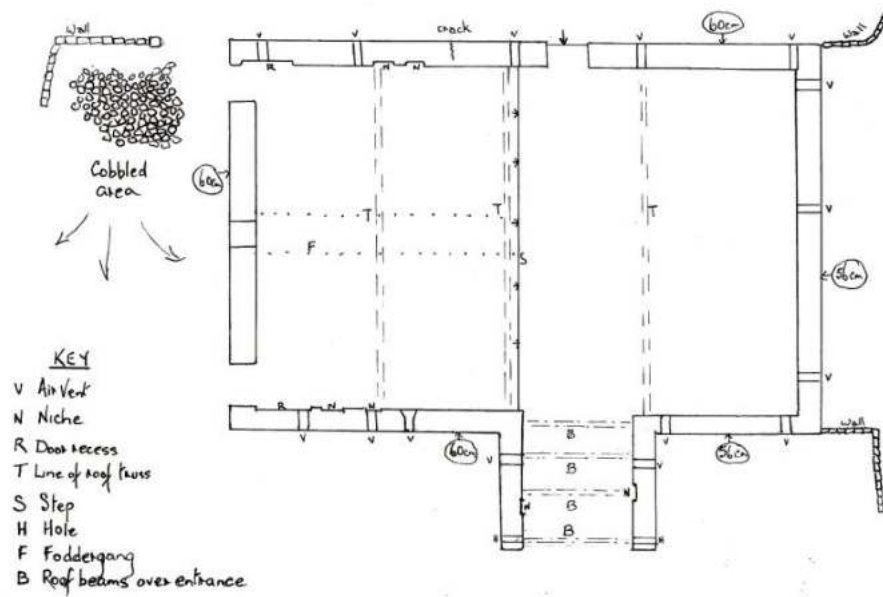
Interior measuring  
for the plan  
can be tricky.





## Plan of Green Laithe

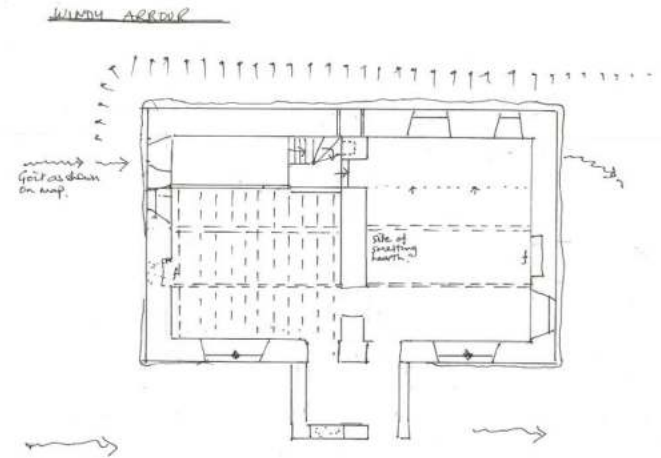
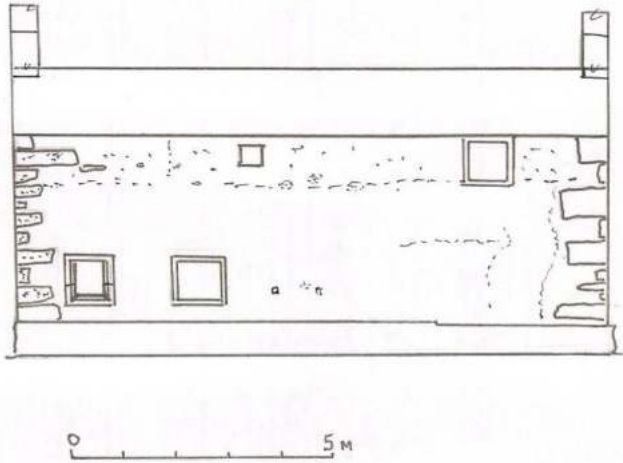
### GREEN LAITHE, RYLSTONE





Measuring for an elevation

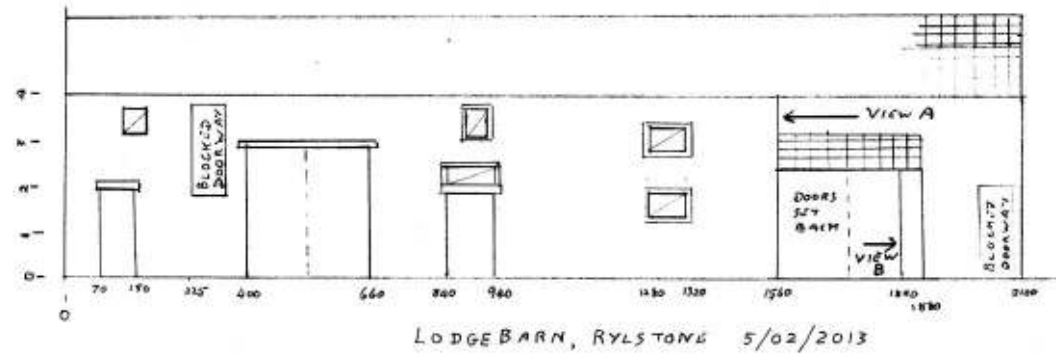




Plan and elevations of front and rear



Things can go wrong!



“Rectified” view (above)

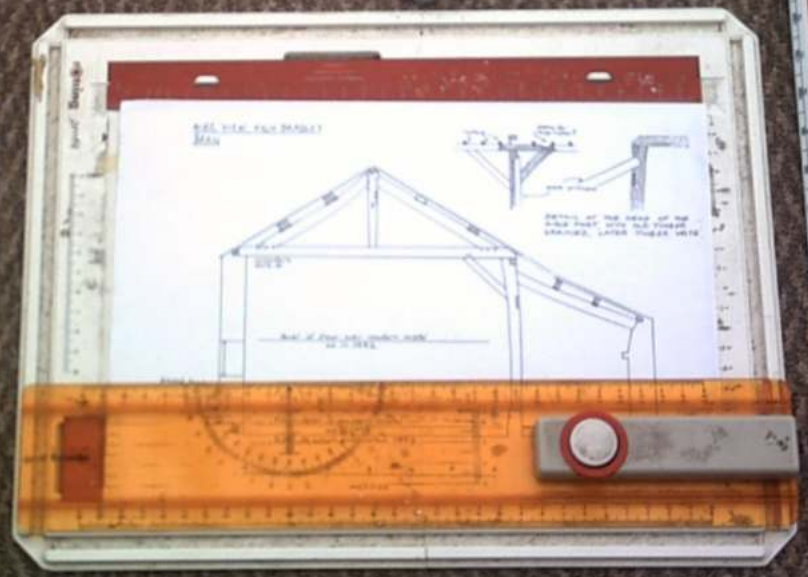
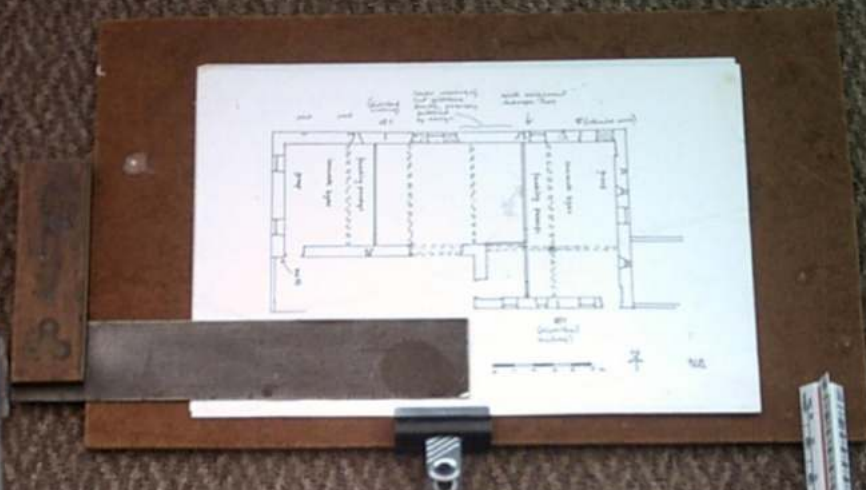
Perspective view (below)



Formal architectural drawing uses the rectified view. Measurements can be shown exactly .

## 2. DRAWING UP

### TOOLS

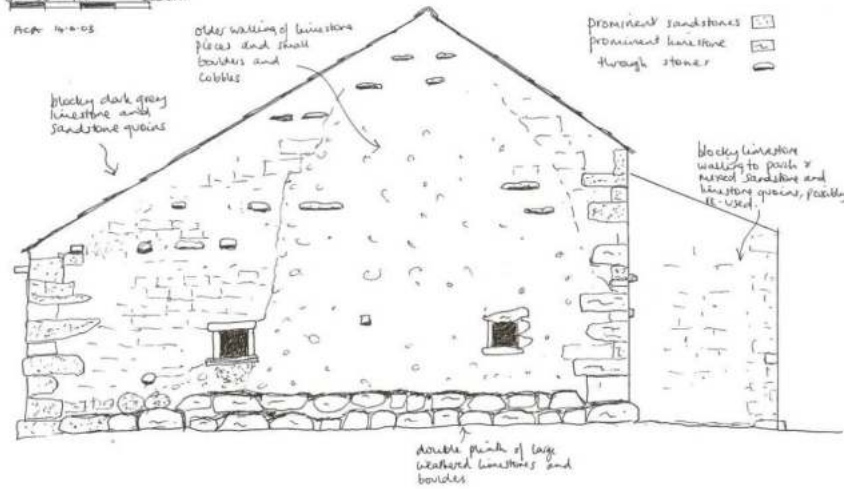


# SINK HILL BARN

## WEST GABLE

0 50 100 200 cm.

Arch 14-05



Give an idea of the character of the walling.

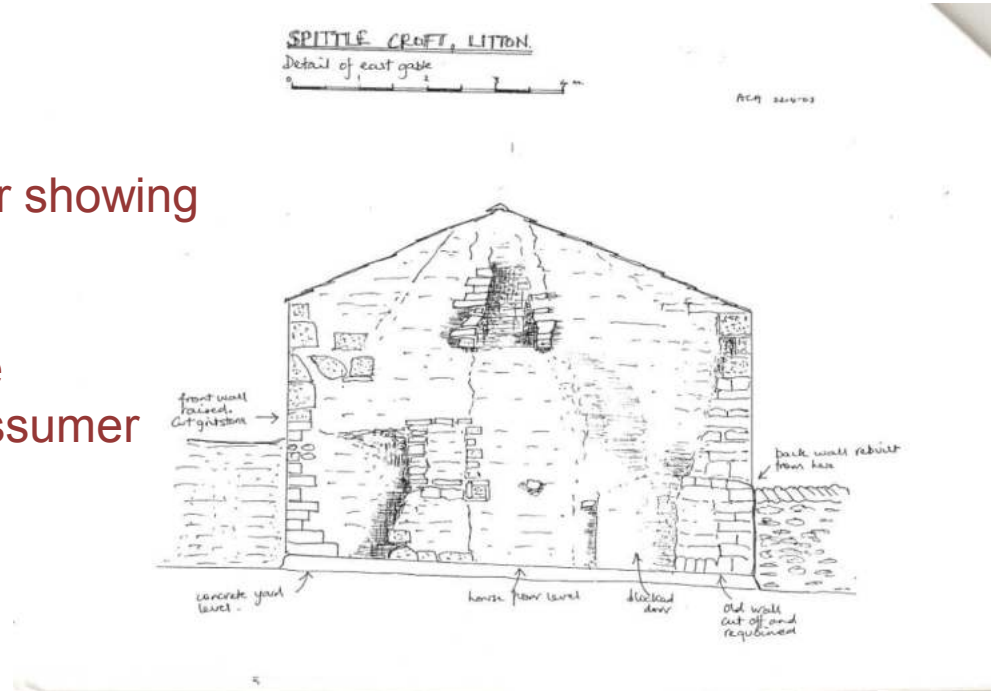
If the quoins change from limestone to sandstone then try and show it.





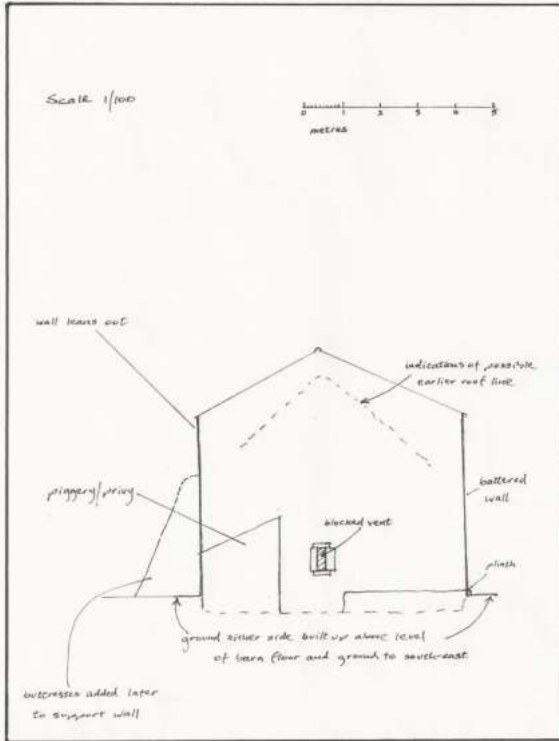
Drawings are better than photos for showing what you can see.

This chimney hood over a fireplace would have been held up on a bressumer beam.



Old Hall Barn (South-west), Rylstone  
 South-east elevation

Surveyed 26.02.2013



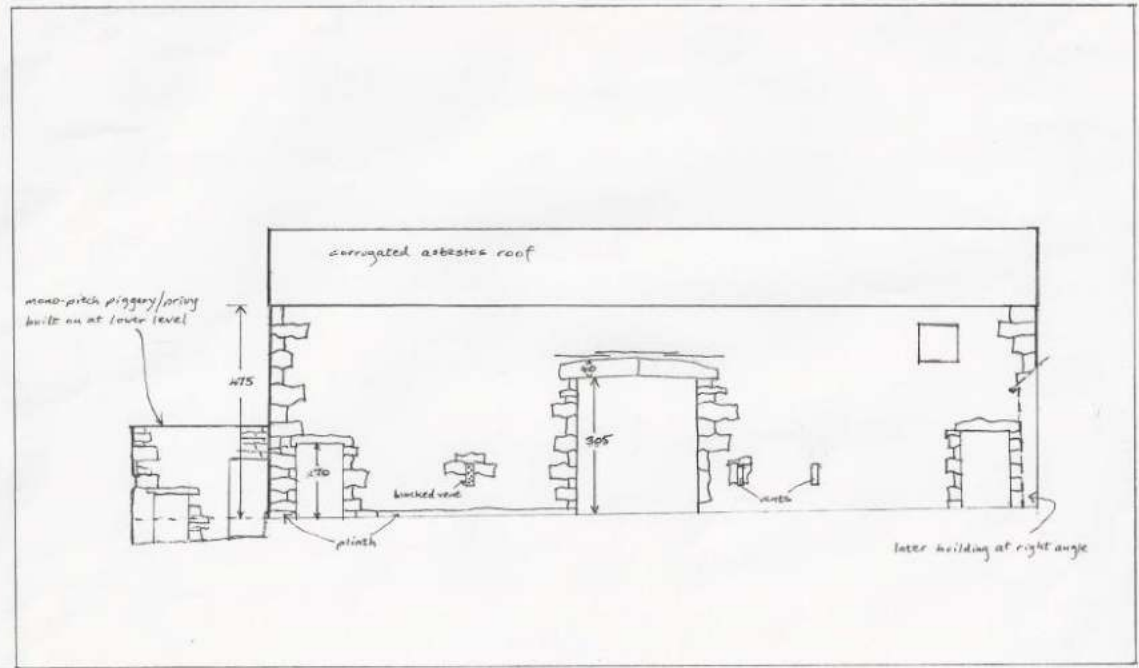
Plain lines don't always tell the full story

Old Hall (South-west) Barn, Rylstone

North-east elevation

Surveyed 26.02.2013

AA, SP, 17, LP, SS



Scale 1/100

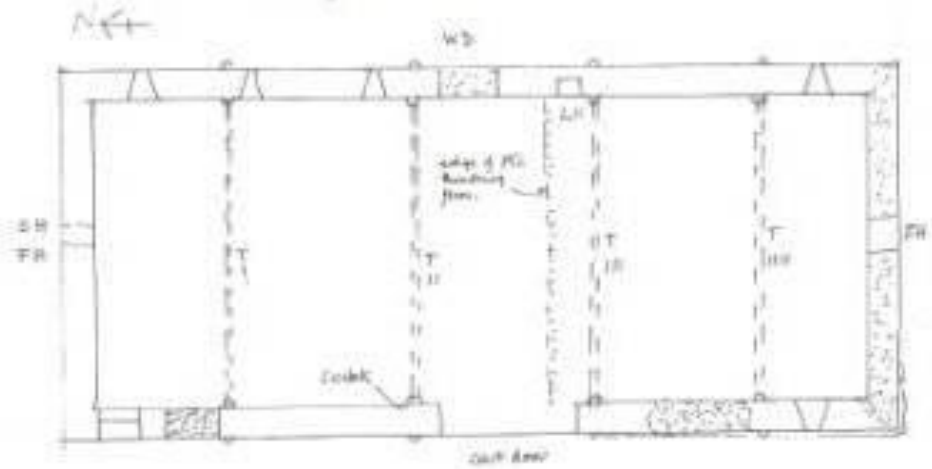
Dimensions in cm.

metres

Vernacular buildings are often part of an older setting...



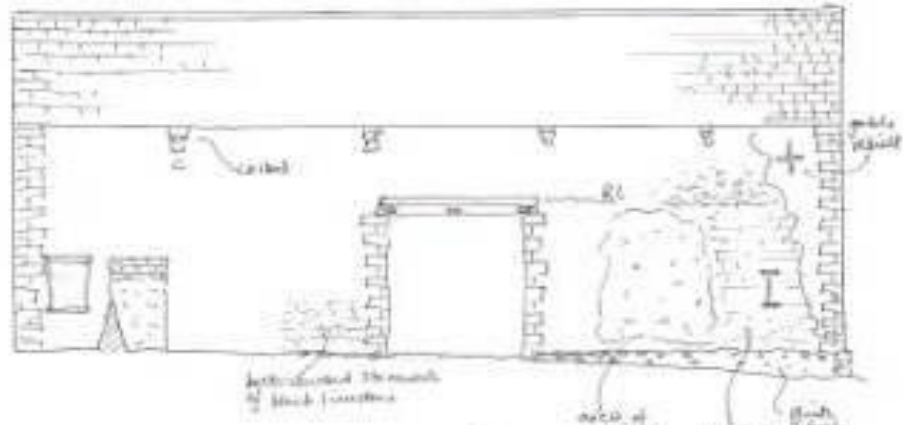
"THE LAITHE" STATION



PLAN (Sketch - approx 15'00)



- T = roof trusses (wood 1-10)
- FB = Flying beam
- OH = Out hole
- WB = window (wood)
- LN = London ash



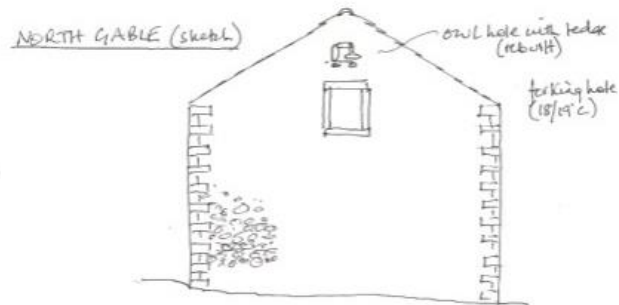
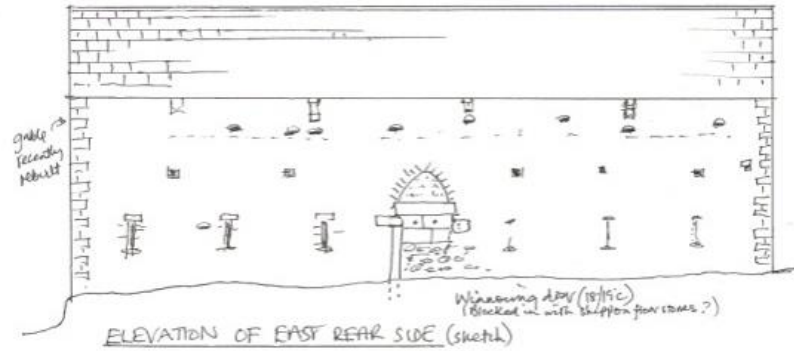
ELEVATION OF WEST TERRACE (Sketch)

- C = center for internal tie beam truss
- RL = roof line of water walling?

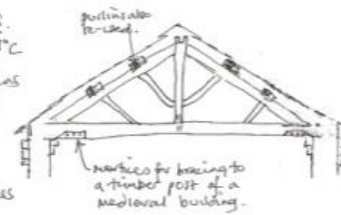
Plan and elevation with approximate measurements are just as useful

Tithe laithe Stirton

Drawings speak better than a lot of words

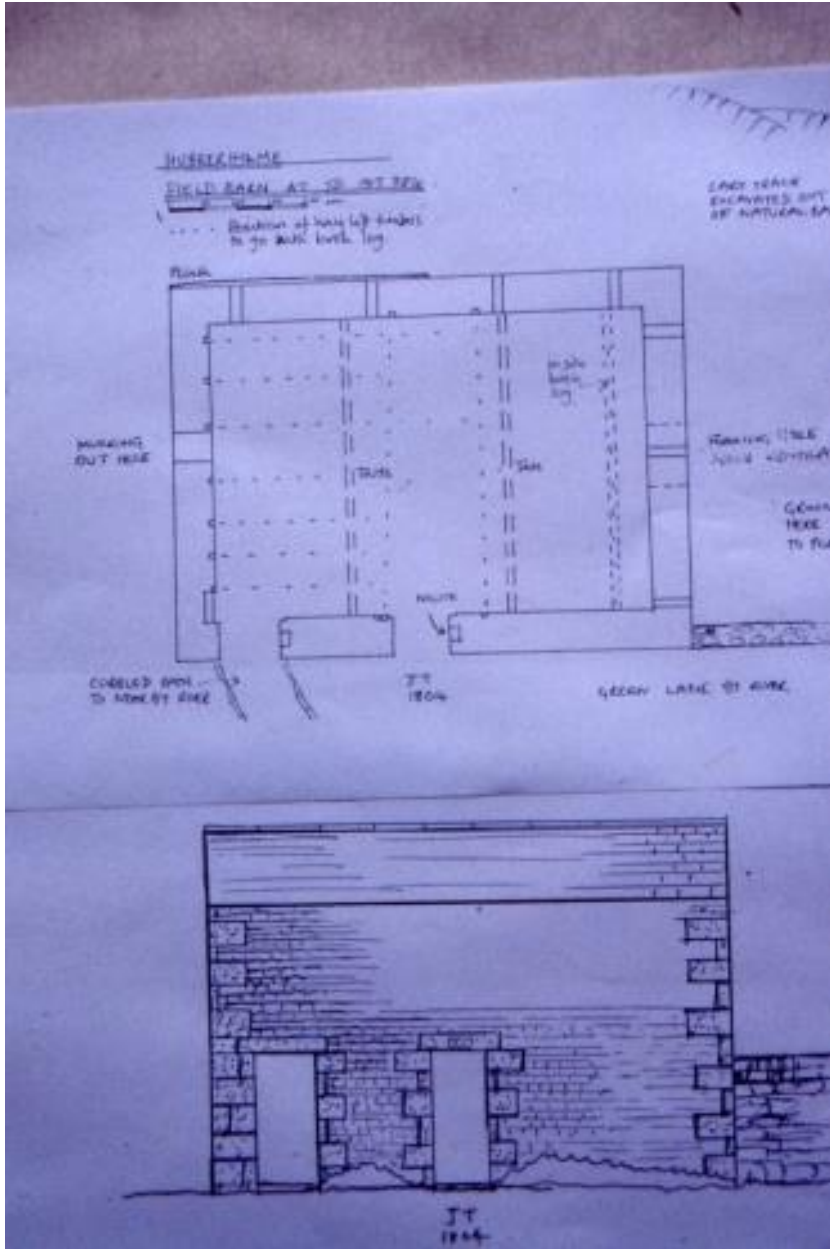


ROOF TRUSSES.  
Probably early 17<sup>th</sup> c  
c 1600?  
The trusses, purlins  
and rafters are  
made from  
pieces of an  
earlier timber  
structure.  
Redundant mortices  
can be seen.



© A. C. Bowdler

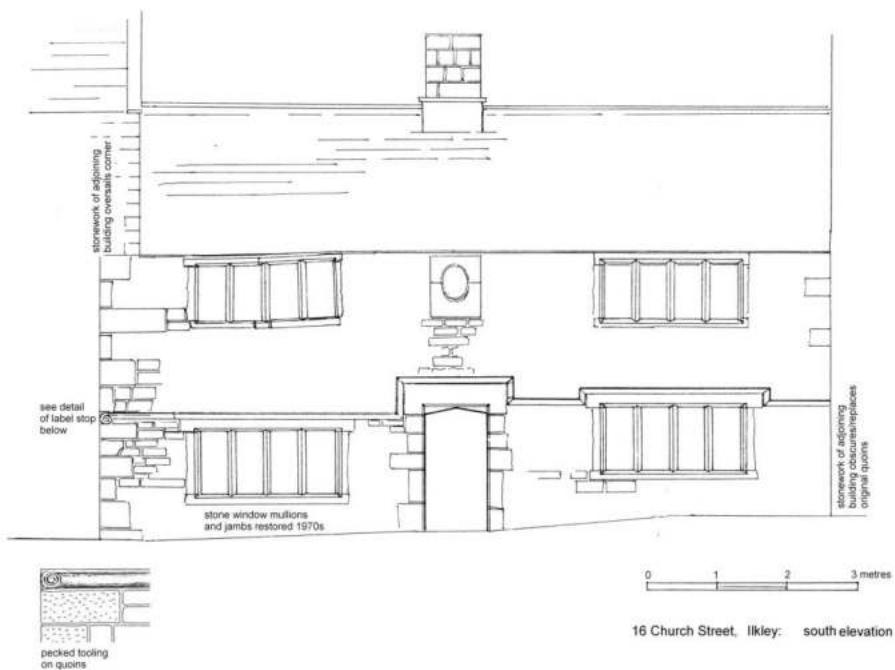
Photos are useful as records



House or barn plans can be recognised from the exterior by observation



The central lobby entry plan

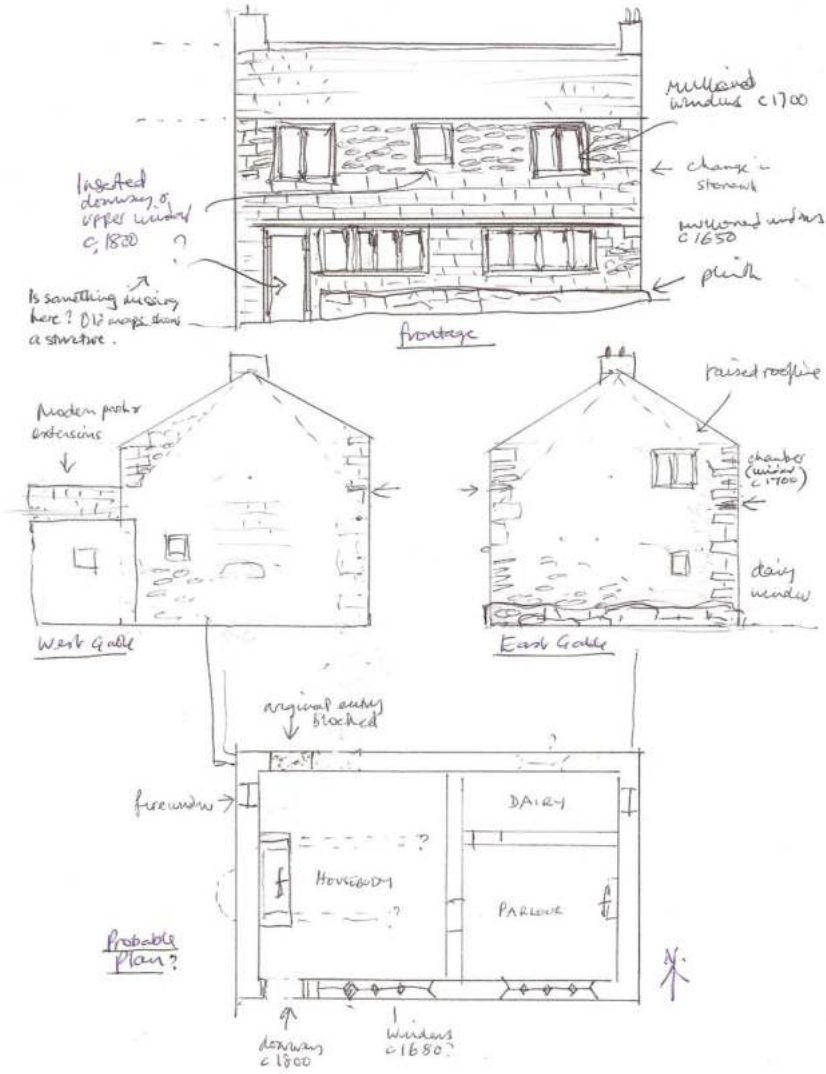


16 Church Street, Ilkley: south elevation

End lobby entry plan



# End lobby entry plan (sketched)



MANOR COTTAGE RUSZDOME  
 A&A May 2015

Sketches to show probable plan & features.





# Interpretation by reconstruction drawings

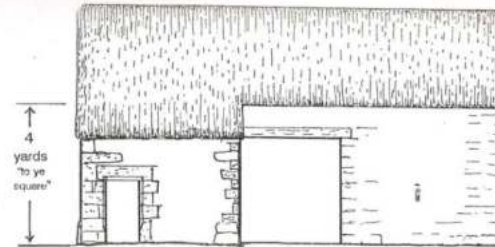
8

"HOWLEBECK LAITH"

now known as

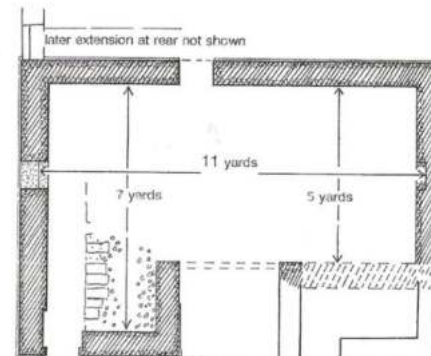
HIGH BARN, Conistone

(map reference SD 9835 6857)



rebuilt by  
Thomas Kidd, mason,  
in 1689 at a cost of £3  
for the stonework

Dimensions marked  
in yards are those specified  
in 1689. Hatching shows  
where walls of that date  
survive.

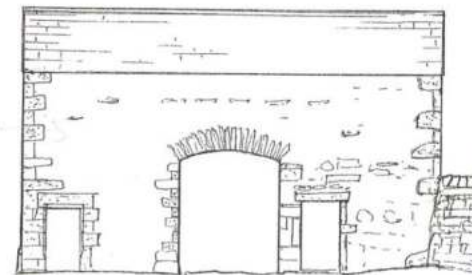


The top illustration shows the  
likely original appearance,  
although there is no direct  
evidence for the thatched roof  
and the wide doorway.

The bottom illustration shows  
the existing appearance of  
the barn, as recorded by  
Alison Armstrong in 2006.  
There have been many  
alterations from the 18th to  
the early 20th centuries.

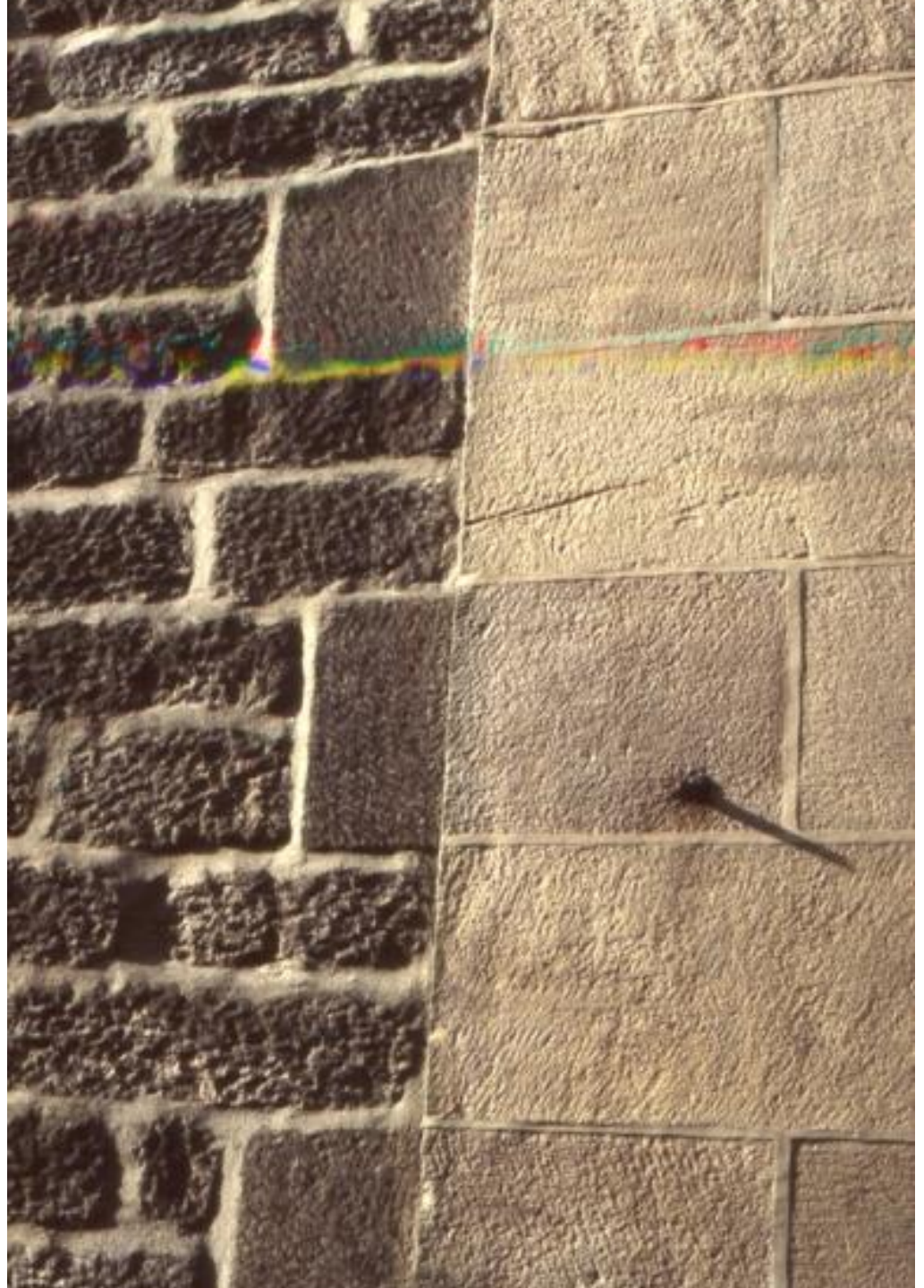
0 5 yds.

0 5 m.



Plinth in porch and limestone dressings

#### 4. Dateable features of stonework





Doorheads, kneelers, copings,  
fireplaces, window surrounds,  
mouldings.....



Interior features ; roof truss types



# Roof truss drawing

Typical roof truss in the barn.

Lower parts of the truss were drawn and measured from the most westerly bay in the barn (now a bedroom).  
 Details not visible there were drawn in from other trusses.

these purlins are numbered from west to east along the barn as follows:  
 I  
 II  
 III  
 IIII (or IV; this numeral not seen)

purlins are numbered from west to east along the barn in Roman numerals as follows:  
 V  
 VI  
 VII  
 VIII (very wide V)

purlins numbered from west to east along the barn by dots (10mm diam. auger marks)

.....  
 .....  
 .....  
 .....

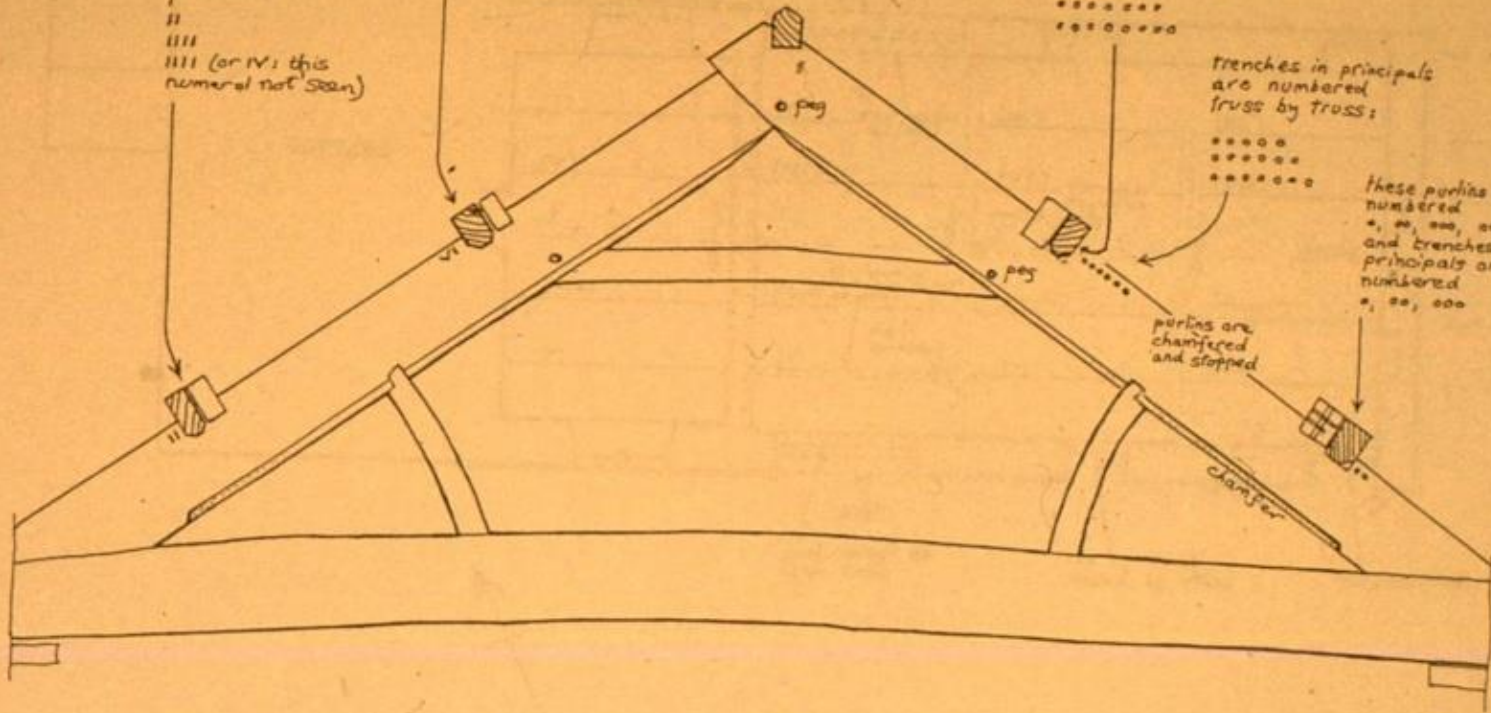
trenches in principals are numbered truss by truss:

.....  
 .....  
 .....

these purlins are numbered \*, \*\*, \*\*\*, \*\*\*\* and trenches in principals are numbered \*, \*\*, \*\*\*

purlins are chamfered and stopped

chamfer



approximate scale  
 0 1/2 1 1 1/2 2 metres  
 0 1 2 3 4 5 6 feet



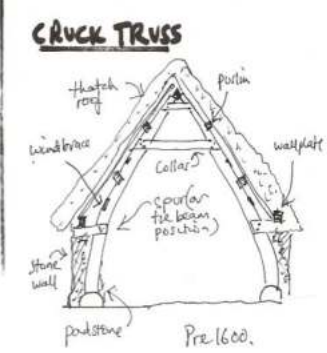
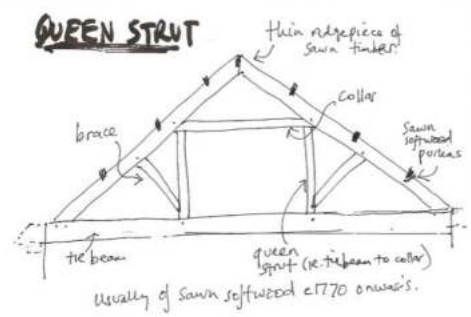
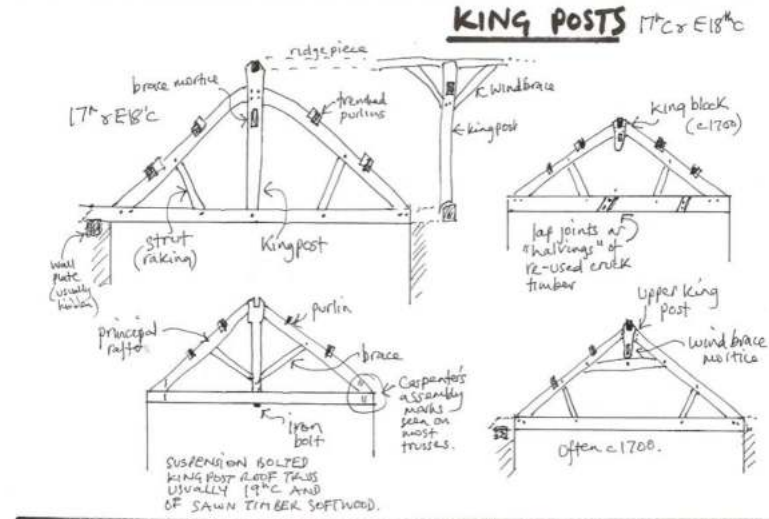
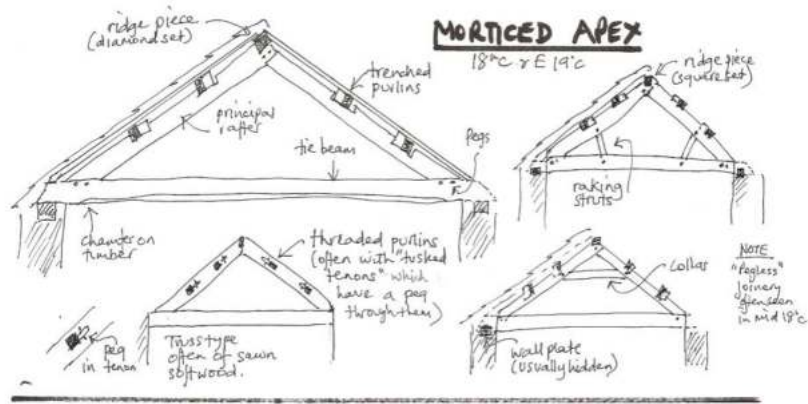
Medieval roof trusses in the Dales





c1500, Addingham  
Kingpost truss with A-framing

# Naming the parts



AcA  
2011

## SOME ROOF TRUSS TYPES IN DALES BARNS



## Fireplaces and ovens

### 6 ADDINGHAM A VIEW FROM THE MOORSIDE

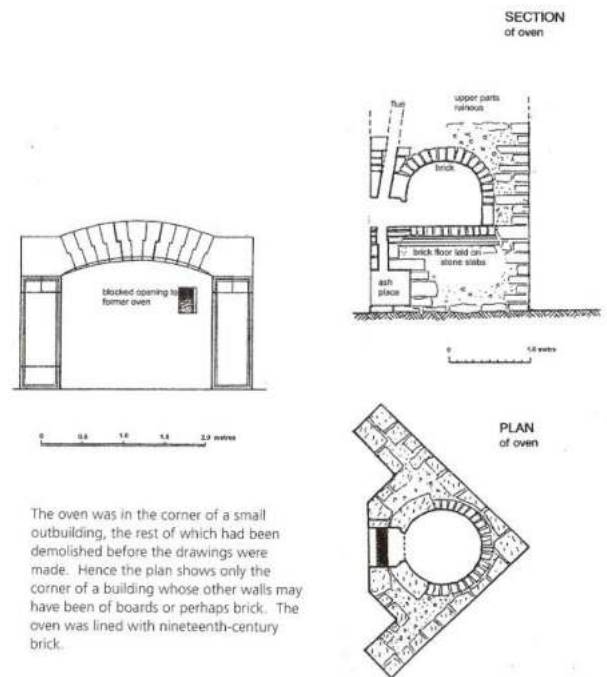


Fig 3 – Lower Gate Croft, Addingham Moorside  
Kate Mason's sketches of the fireplace and detached oven redrawn to scale.

## Timber panelling



## Plaster work and ironwork







## Exploring High Laithe

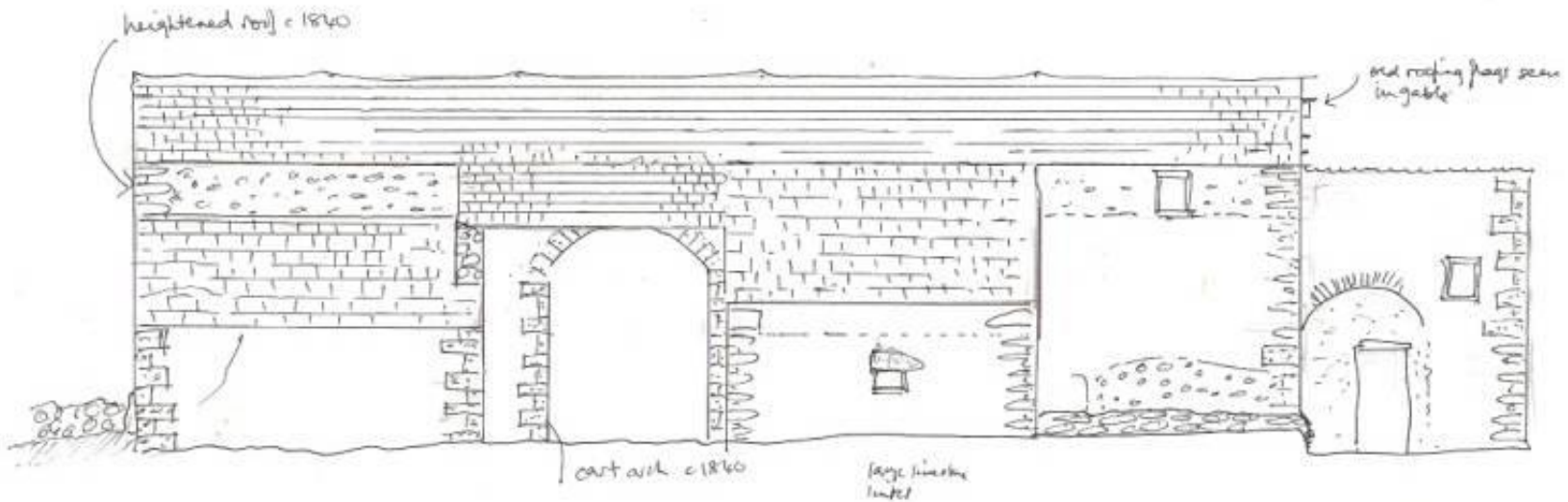
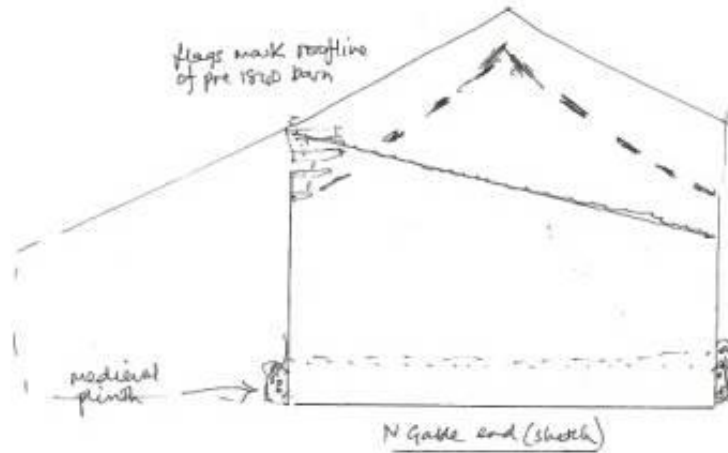


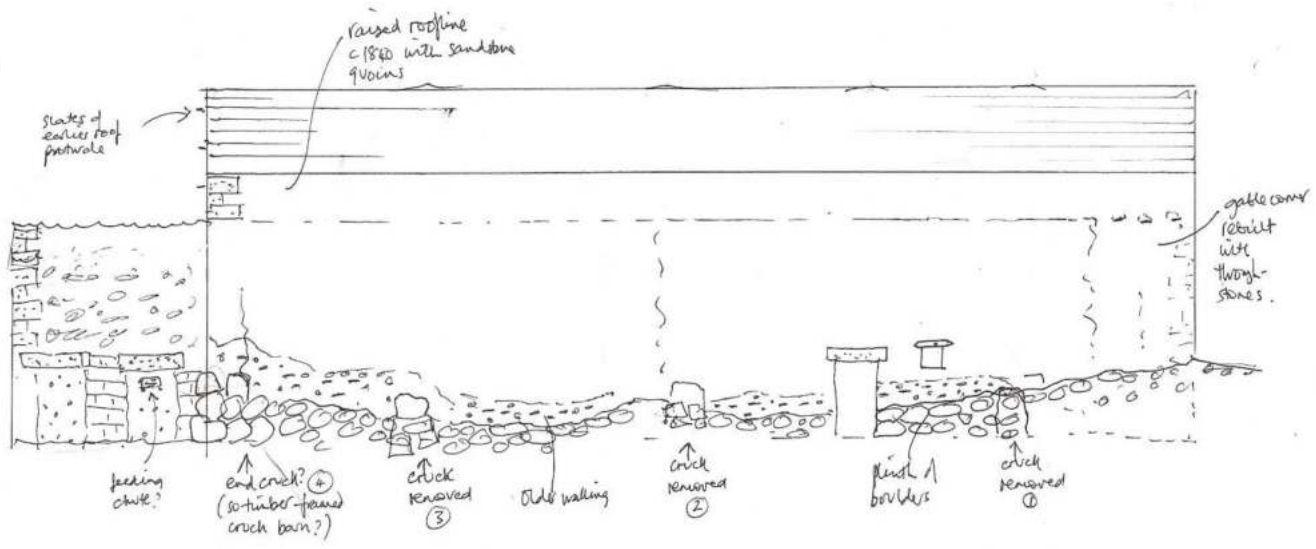
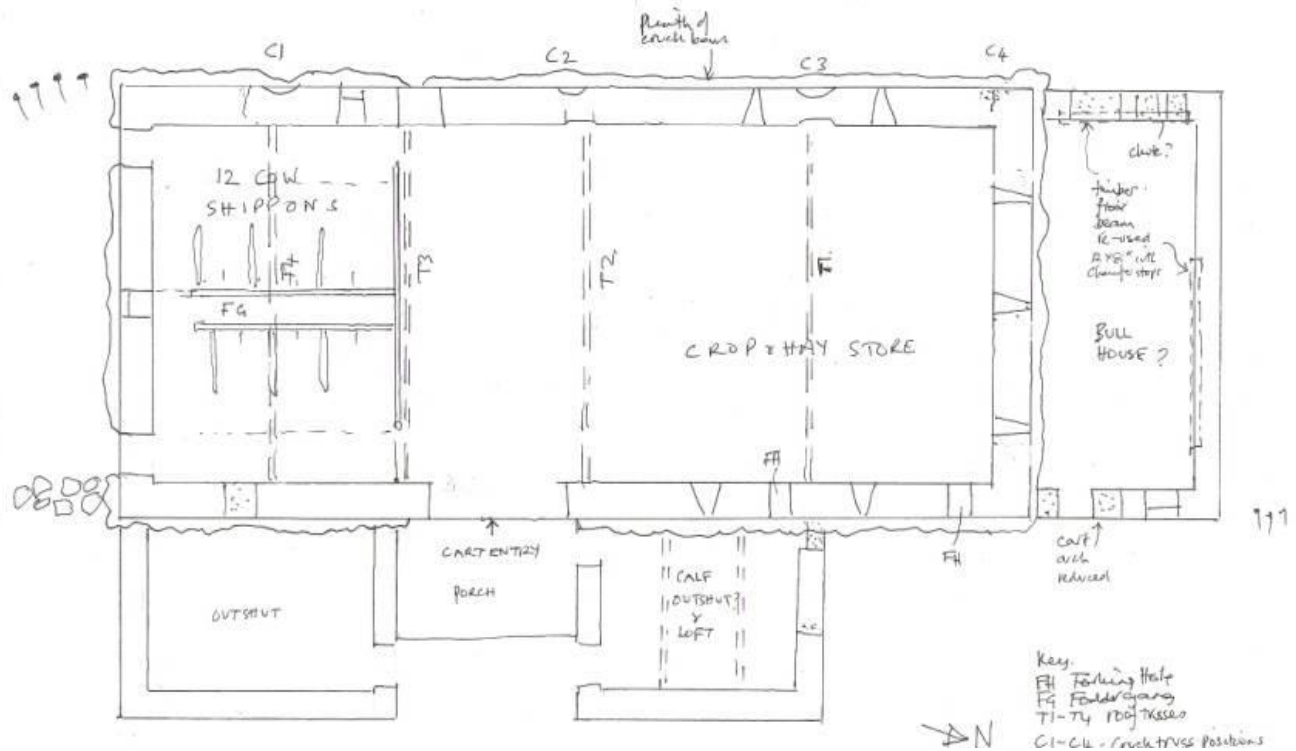


HIGH LAITHE, CHAPEL HOUSE

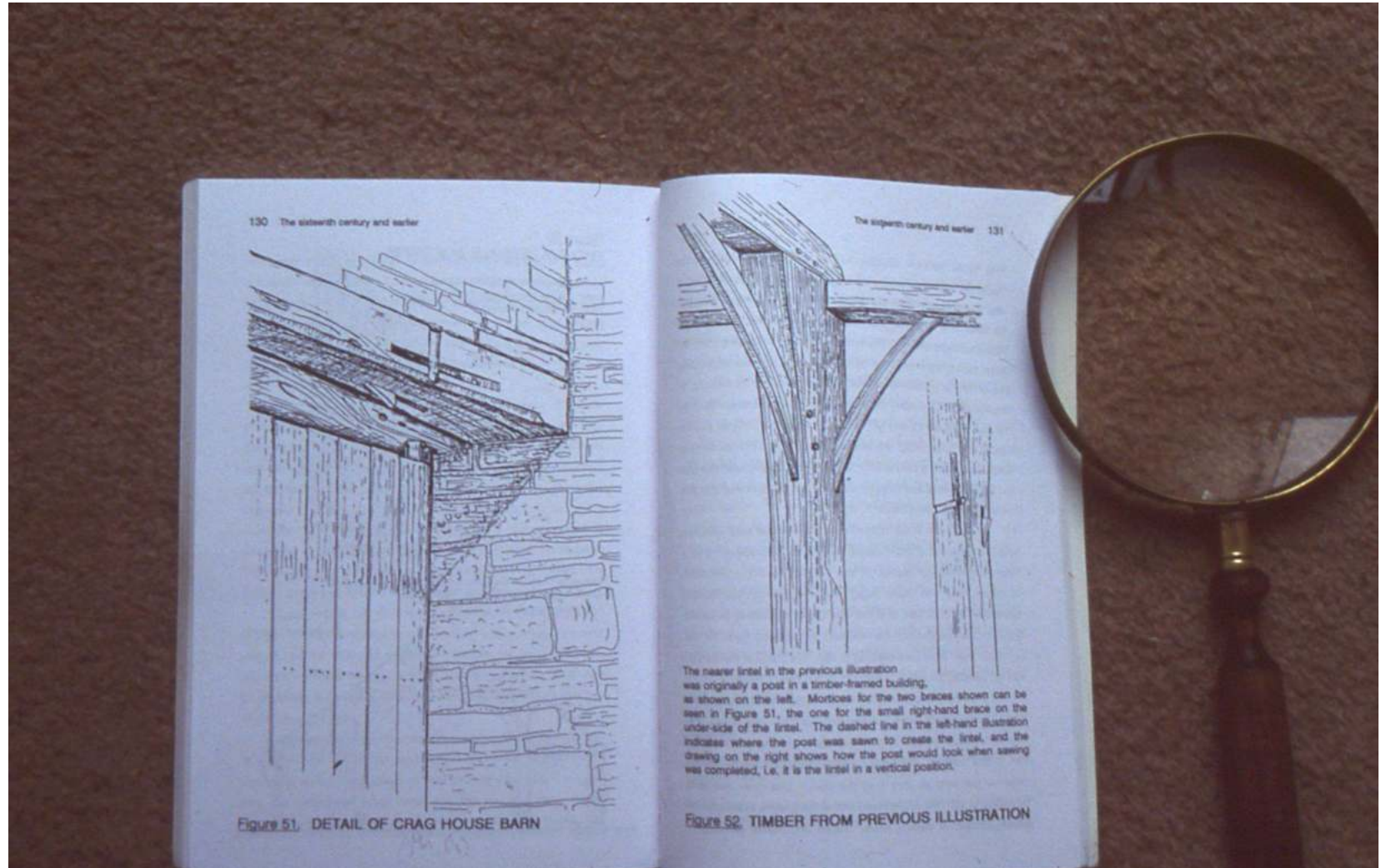
Sketch elevations approx 1:100

ACA. 30-3-2015

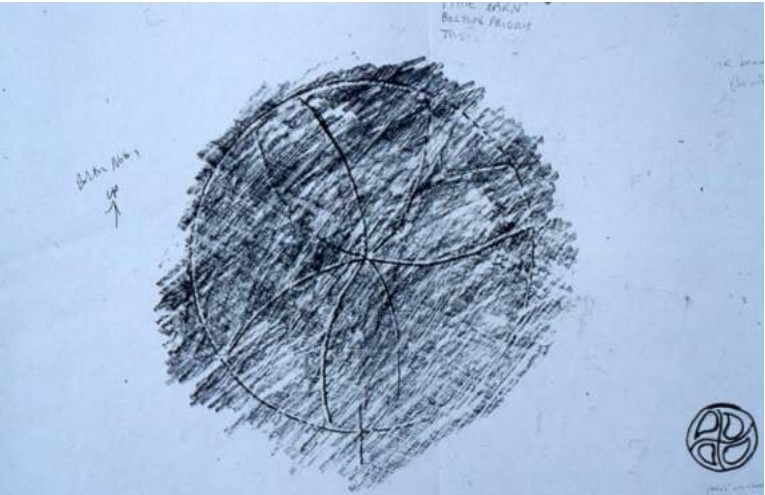




## Reconstructing re-used timber



# Apotropaic and other markings



Buildings change....

Newhouses, Ribblesdale 1995

