

ROOF CONSTRUCTION:

- New or good reclaimed clay pantiles
- 25 x 50 treated tile battens
- Breathing membrane
- 50mm air space over insulation board
- 125mm foil faced Pi insulation board (between rafters)
- 25mm foil faced Pi insulation board under rafters with foil taped joints
- 12.5mm plasterboard, skimmed and painted

Calculated U-value
0.15W/m2K

Alternative position
for roof insulation

RAISED TIE TRUSS



FLOOR CONSTRUCTION:

- 22mm T & G floor grade chipboard on 'Posijoists'
- Air gap
- 100mm mineral wool insulation between joists
- 50mm foil faced Pi insulation board under joists
- Foil tape joints
- 12.5mm plasterboard skimmed and painted.

Calculated U-value
0.22W/m2K

WALL CONSTRUCTION:

- Reclaimed facing bricks
- 100 mm conc. blocks inner skin
- Vertical DPM (+ battens if necessary)
- 75mm Pi insulation board (mechanically fixed)
- 12.5mm plasterboard, skimmed and painted

Calculated U-value
0.2W/m2K

Double glazed with
safe glass internal
pane.

Full fill with mineral wool
300mm nearest external
walls

47 x 197 TR26 timber support
battens resin bolted to walls at
1000 centres unless directed
otherwise by engineer

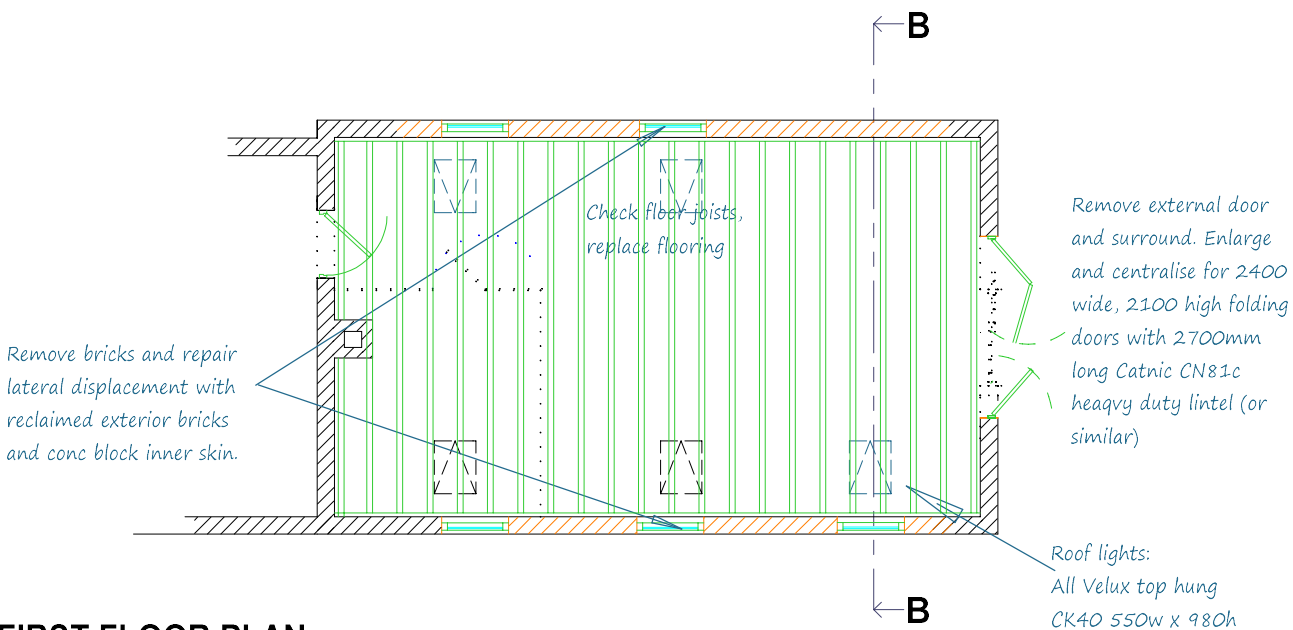
KEY	
Unaltered parts	
New masonry, plasterbd	
Brickwork	
Tiles	
Surface drainage	
U/g drainage	
Insulation	
Wood, PVC	
Glass	
Steel	
Lead, zinc, aluminium	
Slates	
Flat roofing	
Nearby buildings	
Demolished	
New work and alterations shown coloured	

SECTION B - B (SCALE 1:25)

SUMMARY OF MAIN REPAIR WORKS:

1. Strip roof (all woodwork)
2. Remove all floorboards
3. Re-align sidewalls with new windows & doorways + lintels
4. Preservative treat all retained timber
5. Install new floor
6. Install new roof
7. Complete all internal insulation and plasterboard.

**FIRST FLOOR PLAN
(SCALE 1:100)**



Address:
Dial House Farm, Seaton Common Lane,
Seaton Ross YO42 4NF

Title:
Barn Alterations

Sheet:
8c Cross Section Details

Scale:
1:100 and 1:25 at A3

Date:
30.10.2023

Revision:
25.11.2023, 15.12.2023