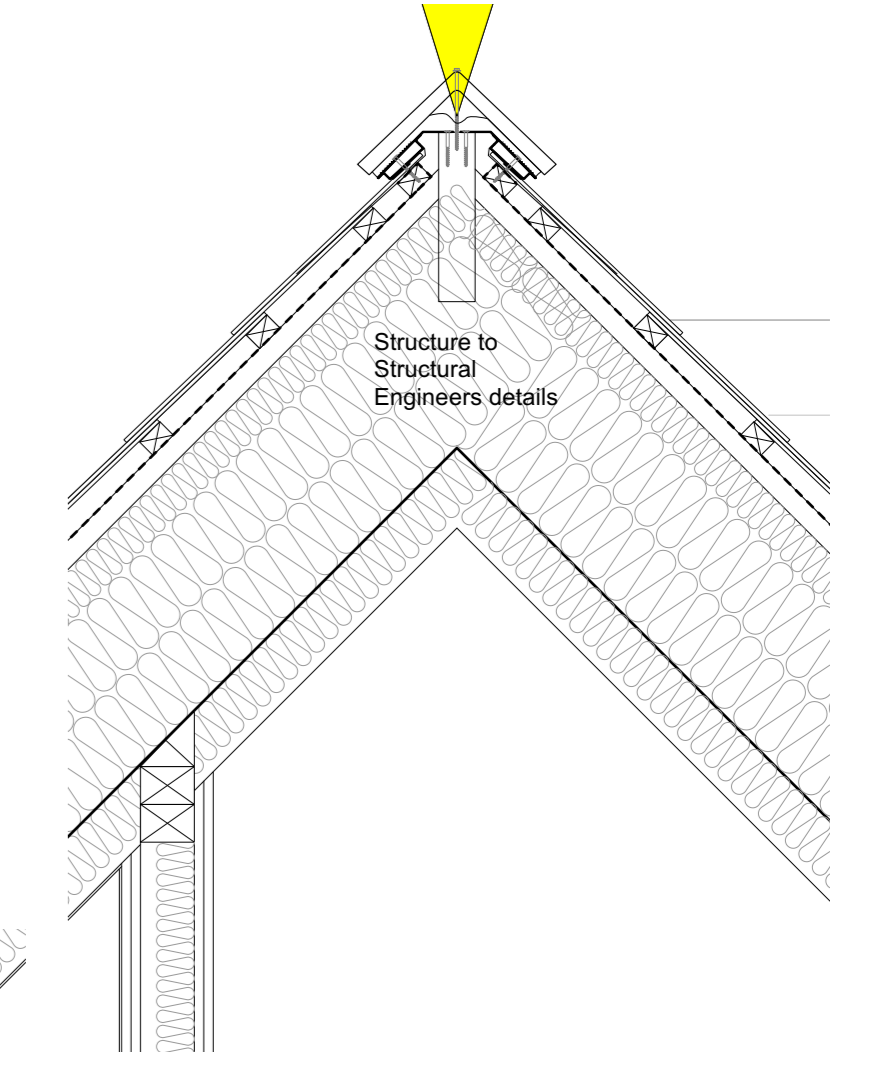


Rooflights to bathrooms and bedrooms on first floor level.  
(enables ventilation, high level retains privacy/reduces overlooking of neighbours, gives natural light and therefore lowers use of electrical artificial light to upper level rooms)



**Wall Build Up = 0.18 U-Value**  
 110mm-125mm Ironstone  
 150mm Knauf DriTherm Cavity Slab 32 full fill  
 100mm Light aircrete blockwork (min 2.8N) - Thermalite Shield Block 3.6N (0.15 W/m.k)  
 Plasterboard on dabs  
 3mm Skim Coat plaster  
 (Note change plasterboard for insulated plasterboard if higher U-Value is beneficial)

Ensure cavity closers at openings.  
 Marmox thermoblock at base of wall junction with floor overlapping insulations.

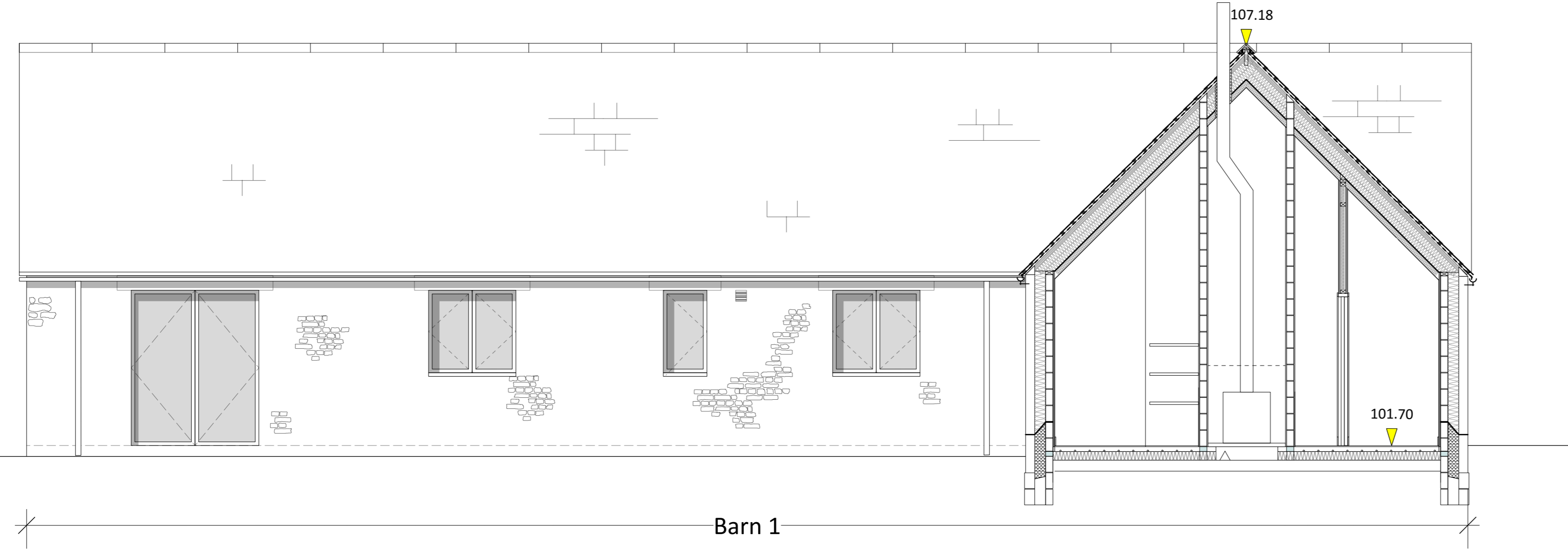
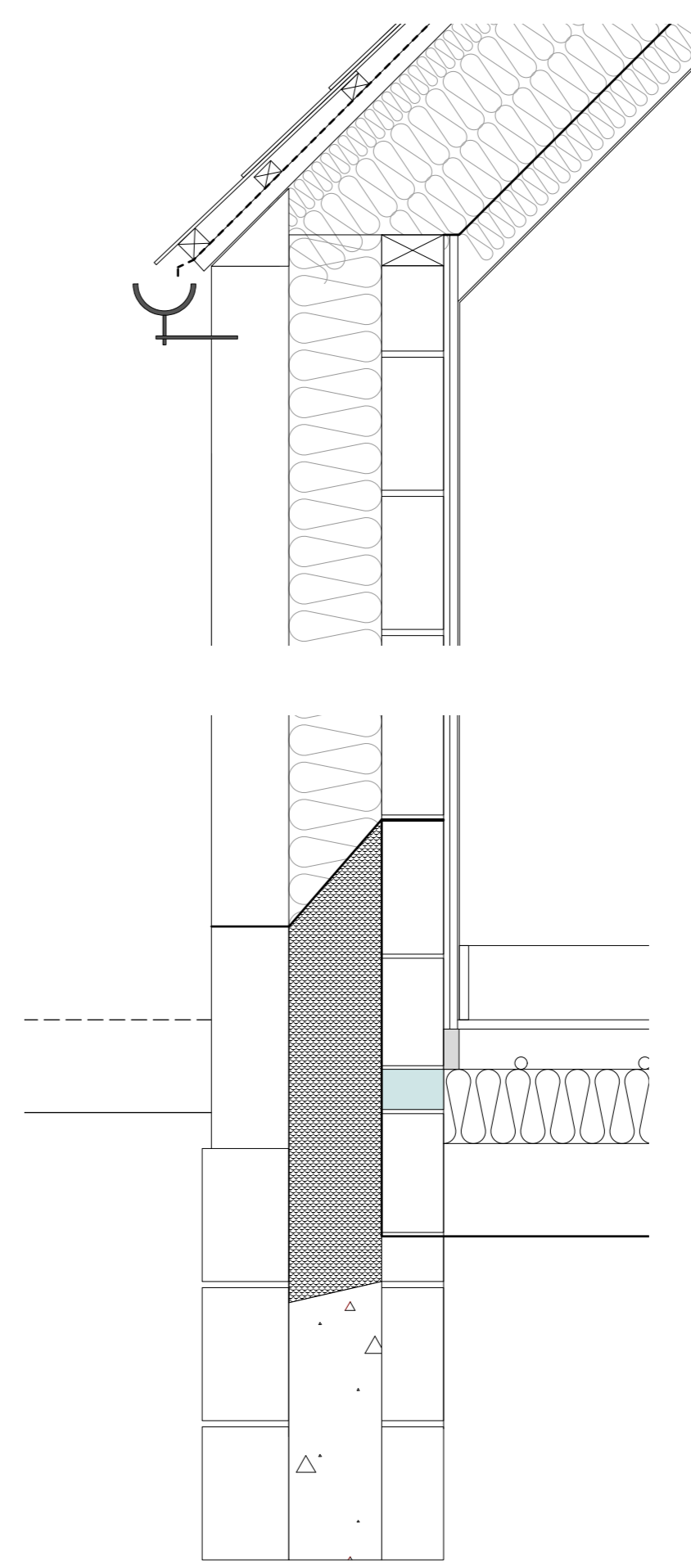
**Alternative Wall Build Up = 0.18 U-Value**  
 110mm-125mm Ironstone  
 50mm Ventilated cavity  
 85mm Celotex CW4000 Insulation (reducing overall cavity width by 15mm OR use 100mm Celotex CW4000 to achieve 0.16 U-Value)  
 100mm Light aircrete blockwork (min 2.8N) - Thermalite Shield Block 3.6N (0.15 W/m.k)  
 Plasterboard on dabs  
 3mm Skim Coat plaster

**Internal Partitions**  
 75x38mm timber studs at 600mm centres generally.  
 2 layers 12.5mm Gyproc Wallboard either side (except voids where walls are to be lined on one side only)  
 Bathrooms to receive 1 layer 12.5mm Gyproc Tilebacker H board as outer layer instead of Wallboard.  
 50mm Isover partition roll acoustic insulation

**Roof (0.11 U-Value)**  
 Slates  
 50mm battens/ventilation zone  
 Breather Membrane (draped between battens)  
 250mm Joists @ 400c with 250mm Knauf Insulation Rafter roll 32 (joists check with engineer)  
 VCL  
 Knauf PIR Laminate 75mm  
 3mm skim coat plaster  
 Ridge Ventilator: Nicholson Airtrack

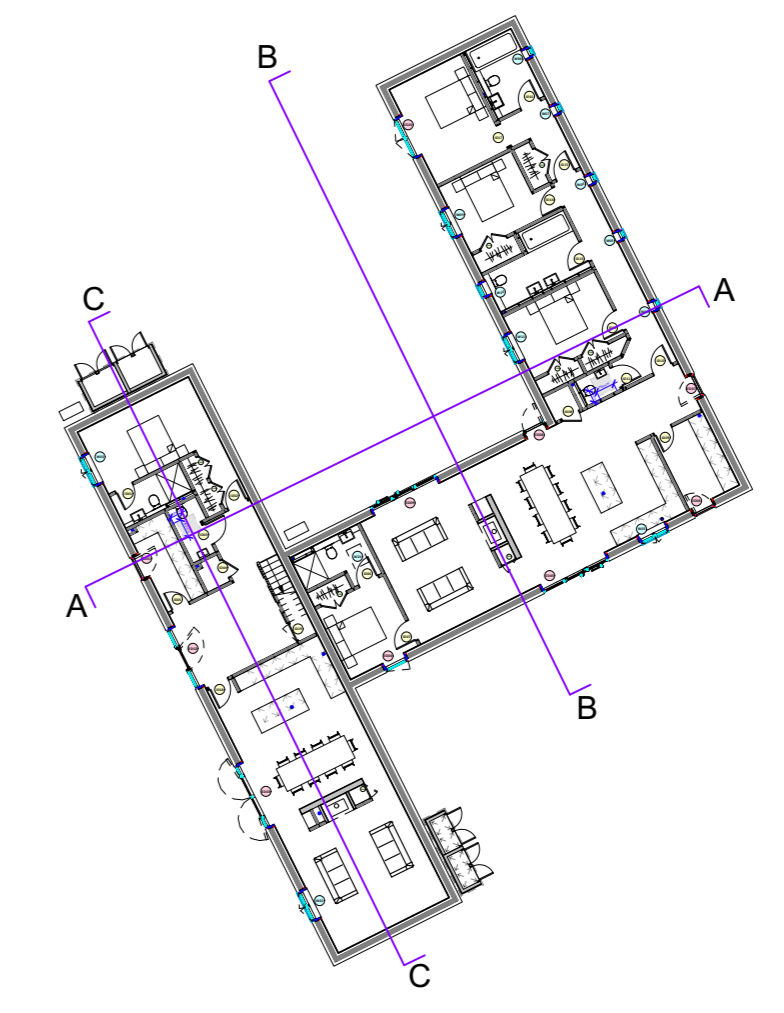
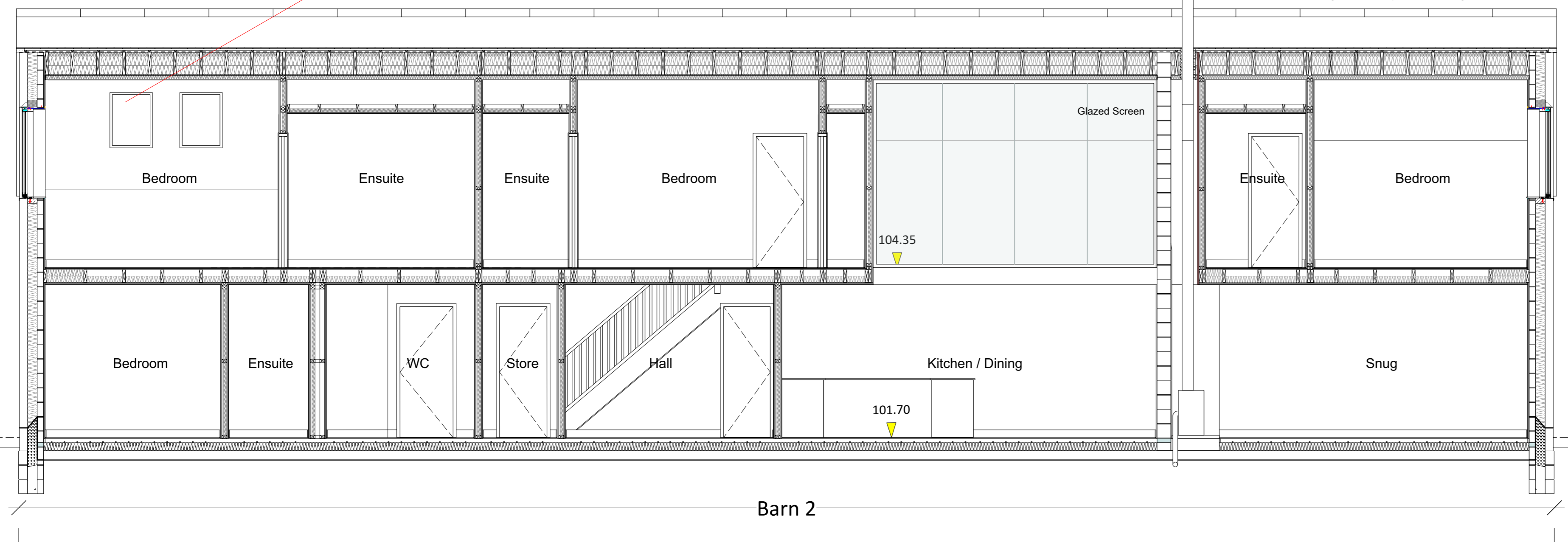
**Ground Floor (0.12 U-Value)**  
 65mm screed (separation layer) with UFH  
 120mm Kingspan Kooltherm K103 board  
 150mm slab to Structural Engineers details  
 DPM  
 Hardcore

**First Floor**  
 Floor finish (15-22mm timber flooring, tile on 6mm tilebacker board, carpet)  
 18mm Plywood  
 200mm Posi joists  
 100mm Isover insulation  
 2 layers 15mm Gyproc Soundbloc board



Rooflights to bathrooms and bedrooms on first floor level.  
(enables ventilation, high level retains privacy/reduces overlooking of neighbours, gives natural light and therefore lowers use of electrical artificial light to upper level rooms)

Based on Poujolat, THERMINOX  
 30mm insulated twin wall multi-fuel system chimney, which allows for 50mm clearance to combustible materials.  
 STI chimney stack (external part) with Galactic Cap (weather and antiodraught cap)  
 Ventilation air - from below slab  
 Insulated sleeves and weatheright/air seals at penetration through roof



**Notes**

- This drawing remains copyright of Blake Architects Limited and may not be reproduced or copied without consent in writing.
- For construction use figured dimensions only.
- Any discrepancies between site and drawings to be reported to the architect immediately.
- Read in conjunction with all relevant structural and mechanical & electrical engineers drawings.
- Survey undertaken by:

REVISIONS				
NO.	DATE	BY	DESCRIPTION	APPROVED

PROJECT	Crockwell			
ADDRESS	Crockwell House Farm, Manor Road, Great Bourton, OX17 1QT			
<b>BLAKE ARCHITECTS</b>	<b>Blake Architects Limited</b> 1 Coves Barn, Winstone, Cirencester Gloucestershire GL7 7JZ [t] 01285 841407 [e] mail@blakearchitects.co.uk www.blakearchitects.co.uk			
TITLE	Proposed Sections			
DRAWING NUMBER	21.02.04.15			
STATUS	Tender			
DRAWN	CHECKED	DATE	SCALE	REVISION
GY	JN	22.02.21	1:100 @ A1	