DATE	REV	NOTES
2024 Feb 21	P1	Preliminary set for first meeting with Louisa and Sam
2024 Mar 8	P2	Plans changed to client preferences, now Option D with central stair.
		Added site plan, window schedule, section, refined elevations.
		All still work in progress.
2024 Mar 13	P3	Check for Part O - limiting solar gain.
		Heat Pump and cylinder locations shown - loft?
2024 Mar 20	Α	Add details for discussion
2024 May 21	В	Frame Options A, B C and detailed section added for engineer input. Balconies.

DRAWING INDEX						
Drawing	Name					
Rev B GA.1	Title Page					
Rev B GA.2	Site Plan					
Rev B GA.3	Brick Set Out					
Rev B GA.4	Foundations Plan					
Rev B GA.5	Ground Floor Plan					
Rev B GA.6	Framing at First Floor					
Rev B GA.7	First Floor Plan					
Rev B GA.8	Loft Plan					
Rev B GA.9	Roof Plan					
Rev B GA.10	Detailed Wall Section - Frame Option A					
Rev B GA.11	Clasped Purlin Frame Option B					
Rev B GA.12	Clasped Purlin - Frame Option C					
Rev B GA.13	Post foot details					
Rev B GA.14	Section AA					
Rev B GA.15	Section BB					
Rev B GA.16	All Elevations					
Rev B GA.17	South West Elevation					
Rev B GA.18	South West Elevation					
Rev B GA.19	Door and Window Schedules					
Rev B GA.20	Lintels					
Rev B GA.21	Part O - Simplified Method					
Rev B GA.22	Heat Pump					

Top Yard

Architect Rev B 21 May 2024

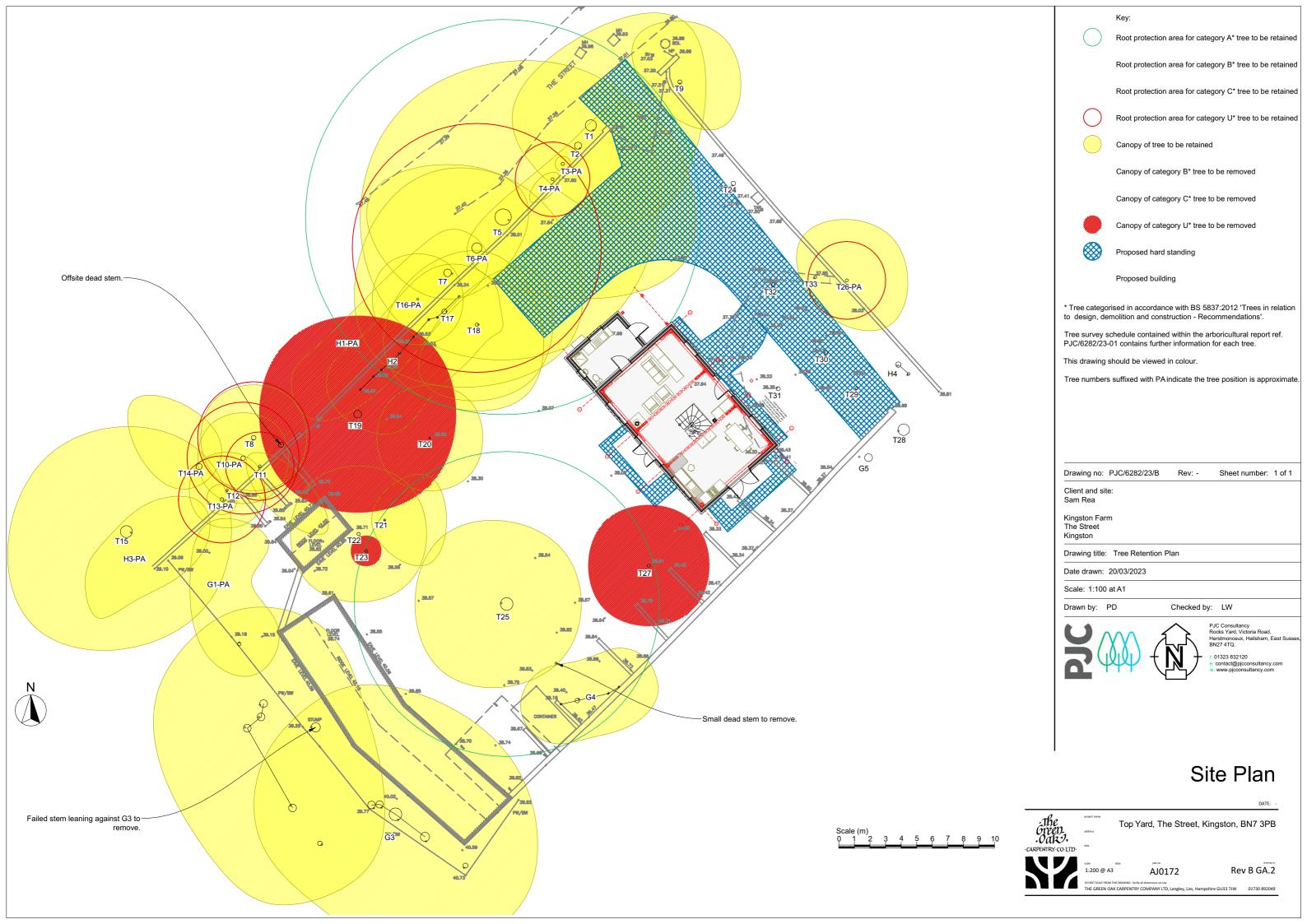
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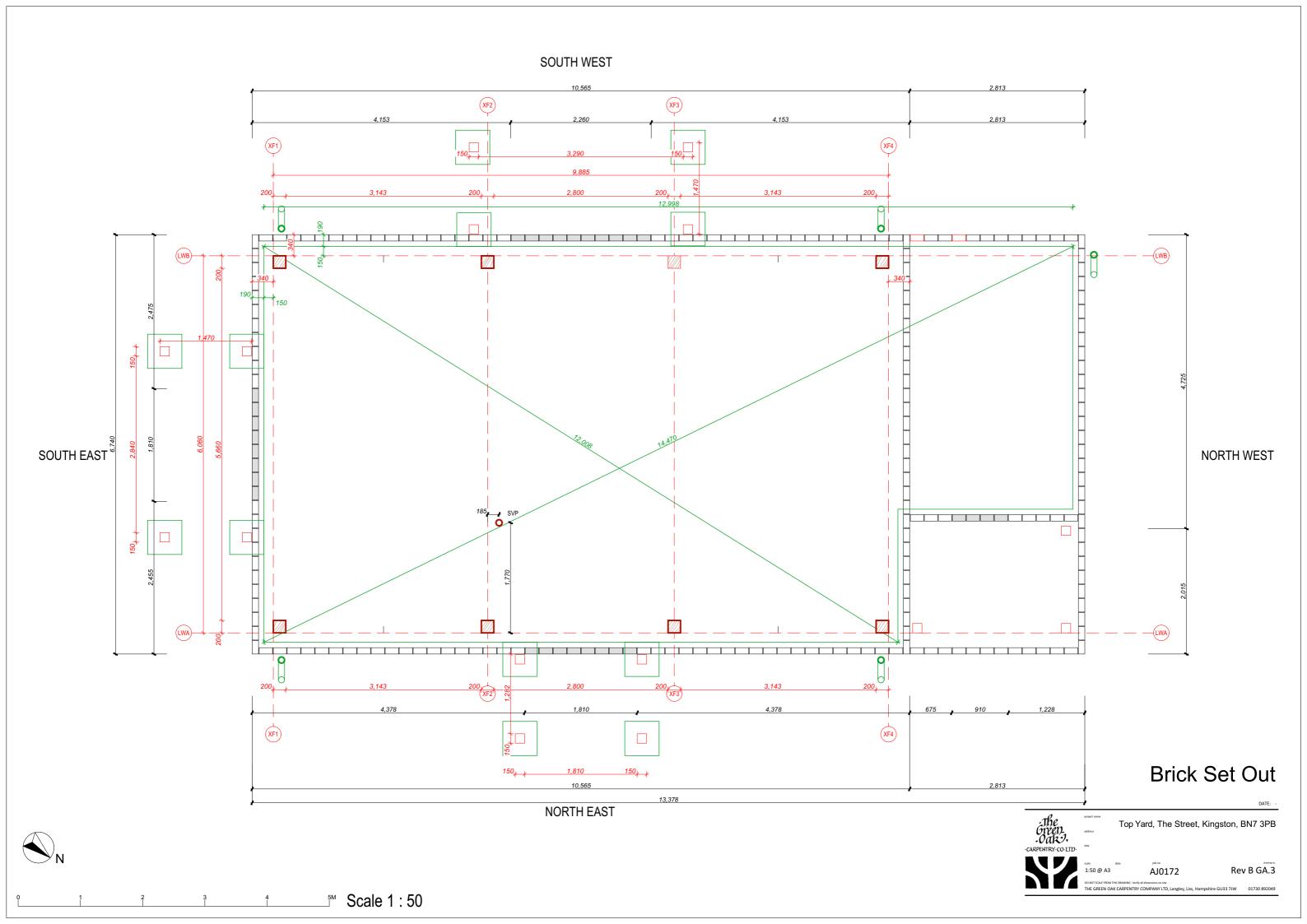


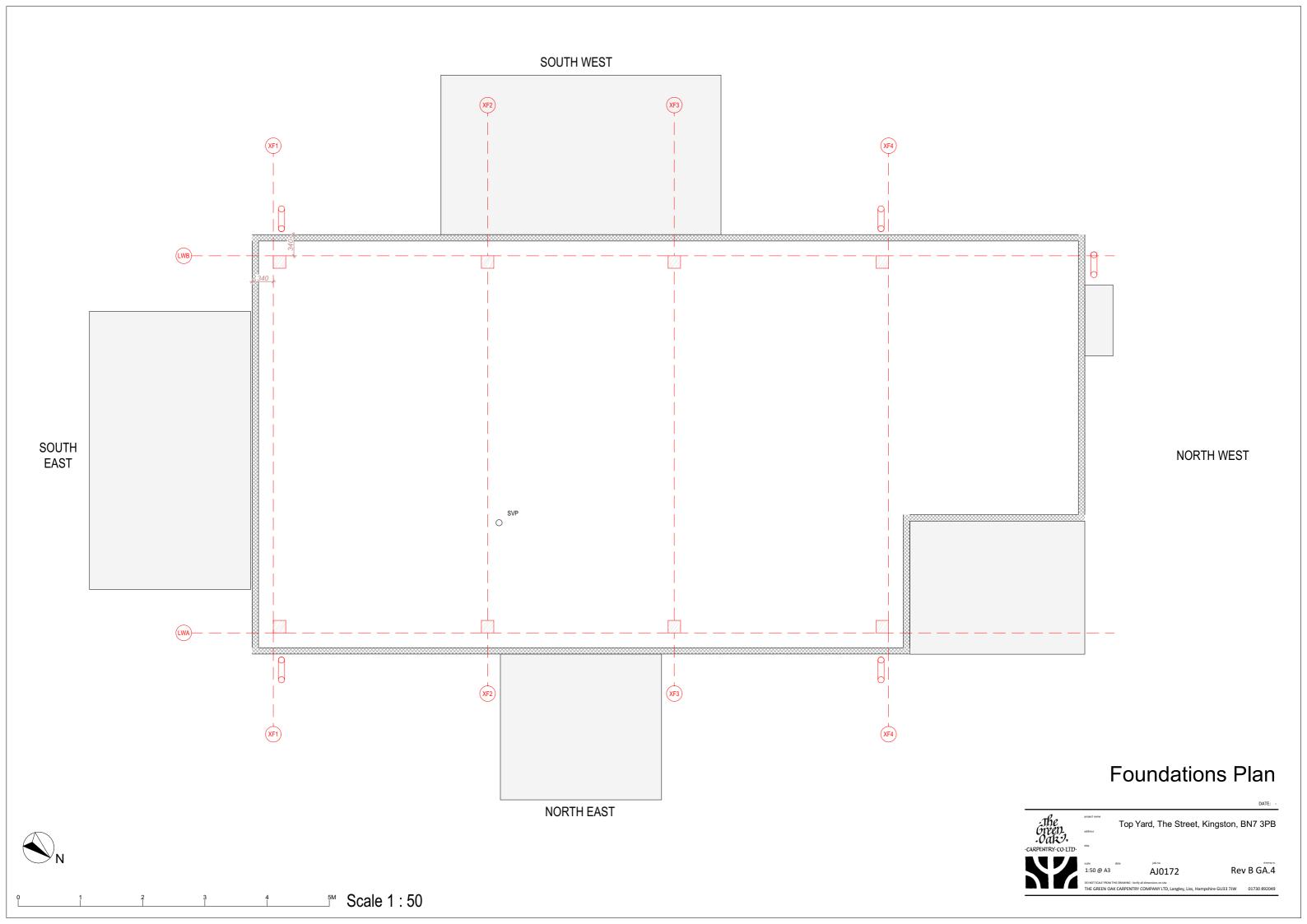
Title Page

Rev B GA.1

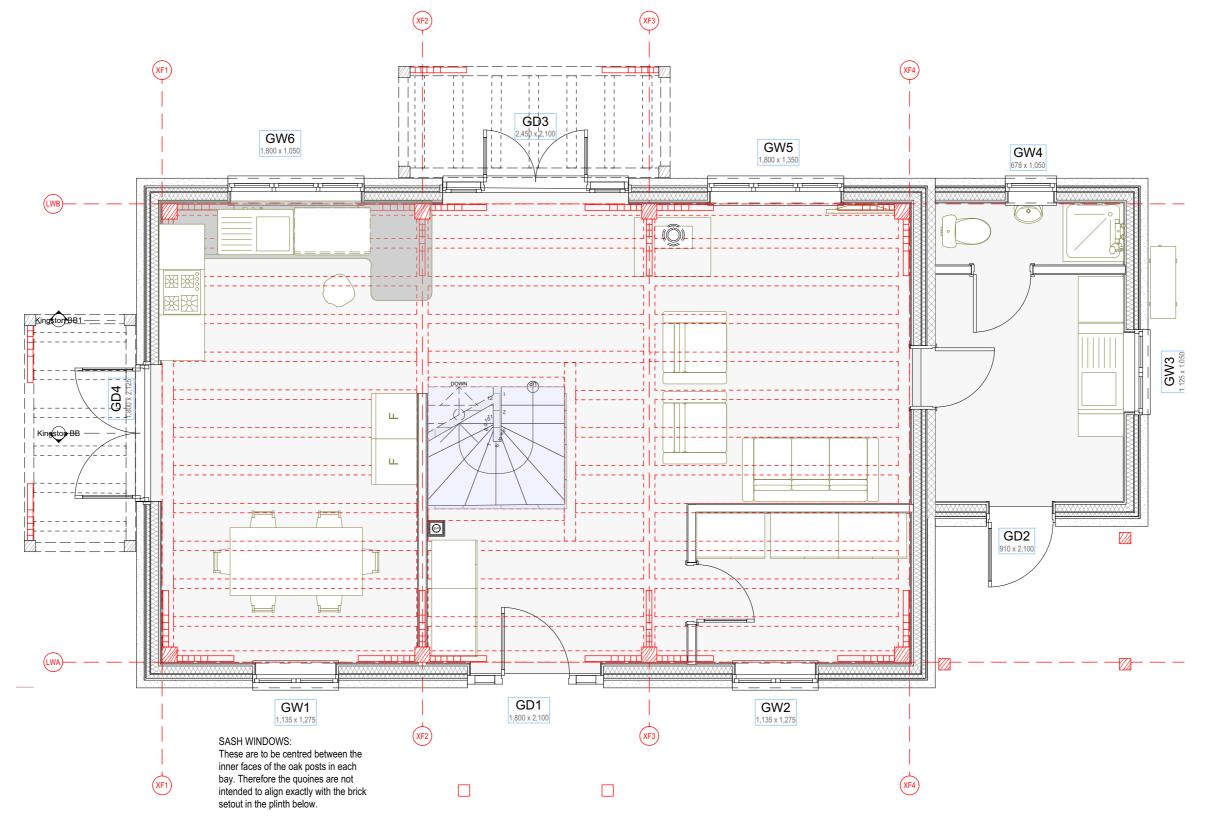








SOUTH WEST



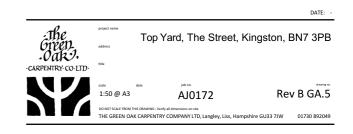
Ground Floor Plan

NORTH WEST

NORTH EAST



SOUTH EAST



1 2 3 4 Scale 1 : 50

SOUTH WEST SOUTH EAST NORTH WEST utility framing to engineer design TBC

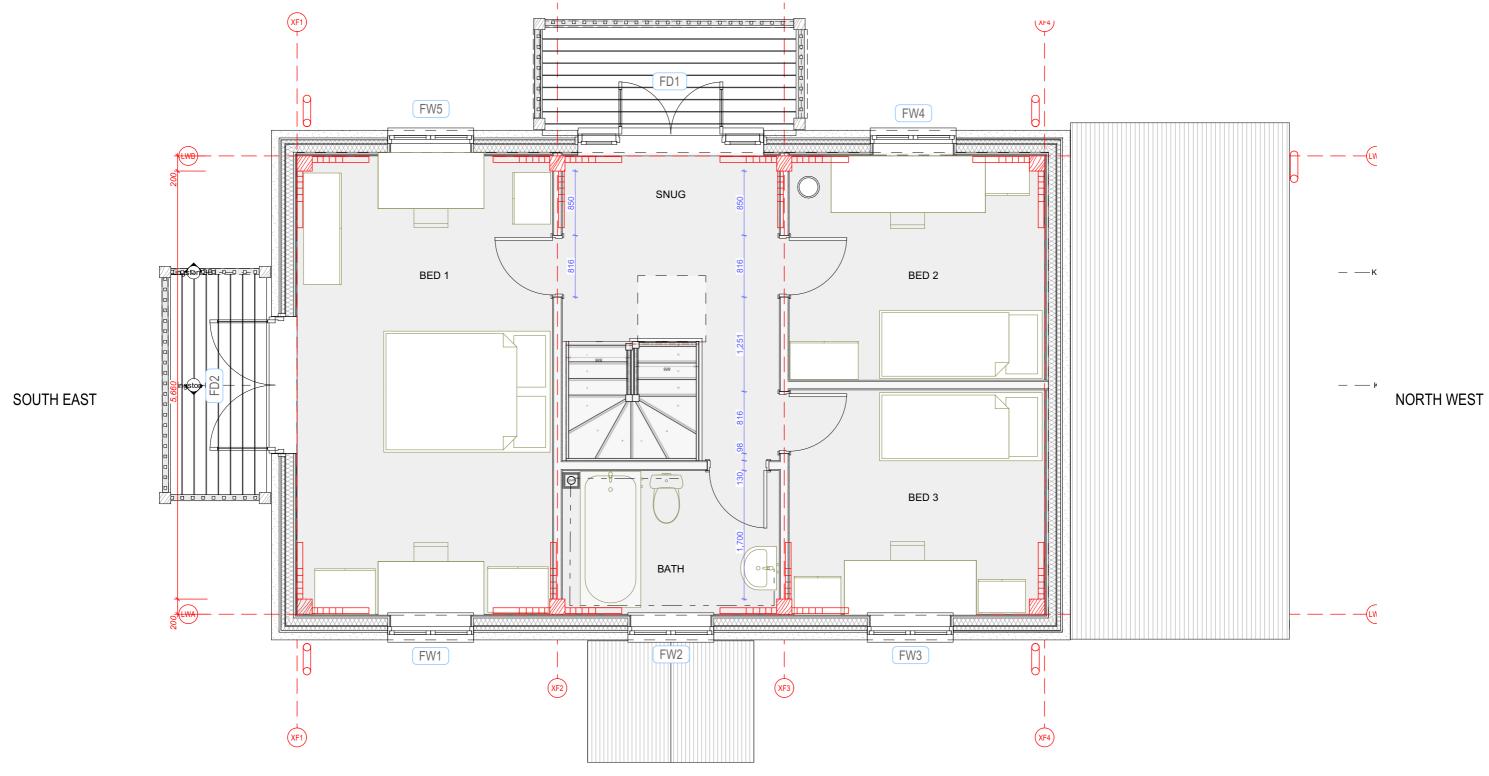
Framing at First Floor

NORTH EAST





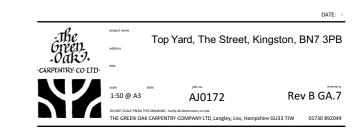
SOUTH WEST



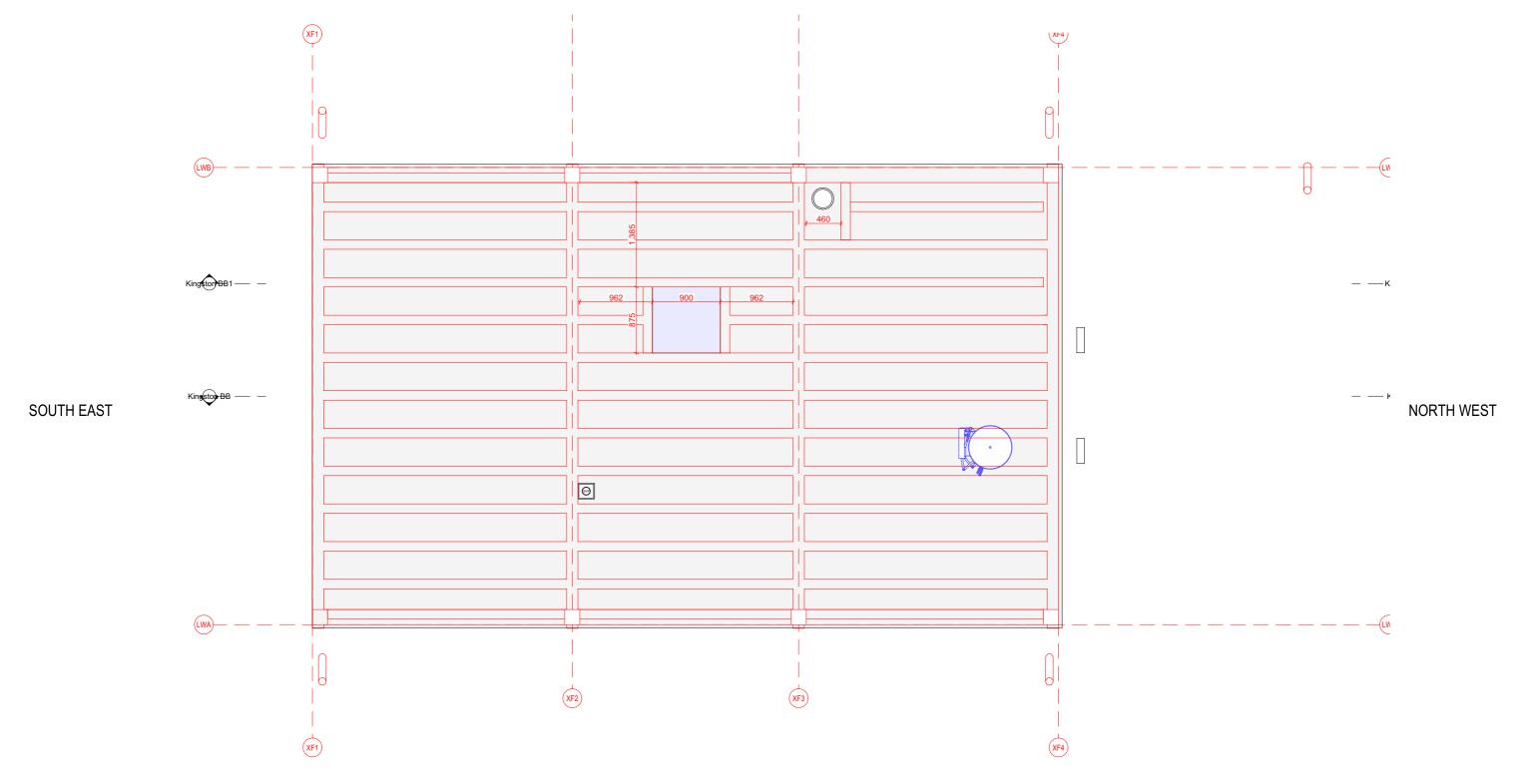
First Floor Plan

NORTH EAST





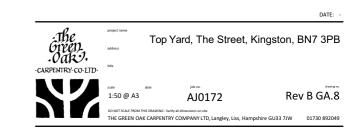
SOUTH WEST

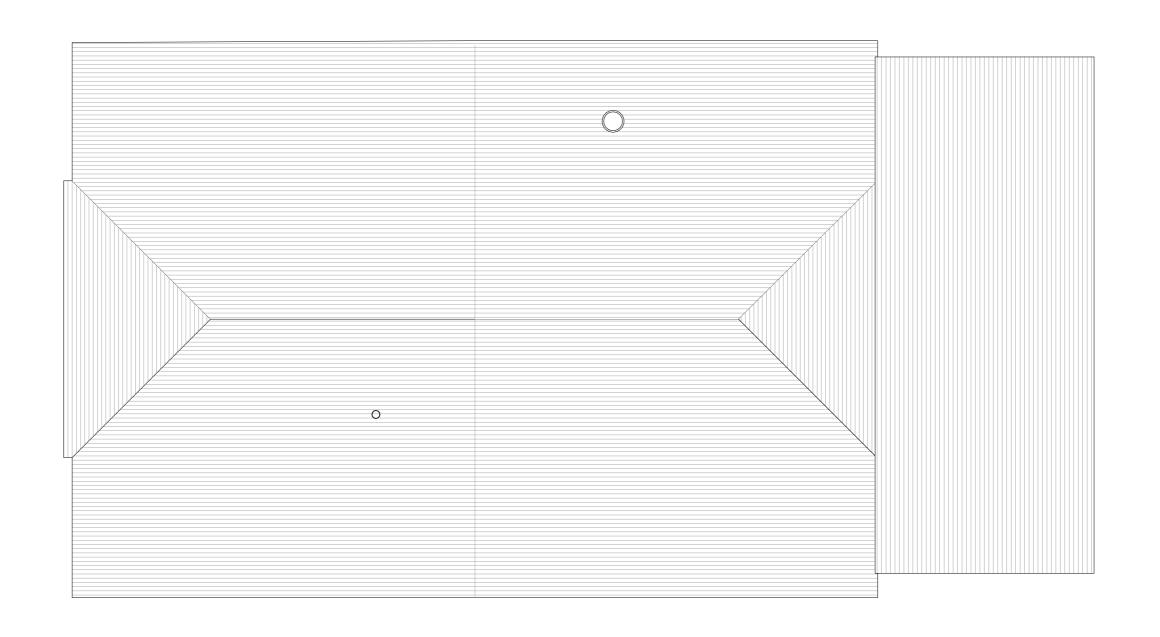


Loft Plan

NORTH EAST



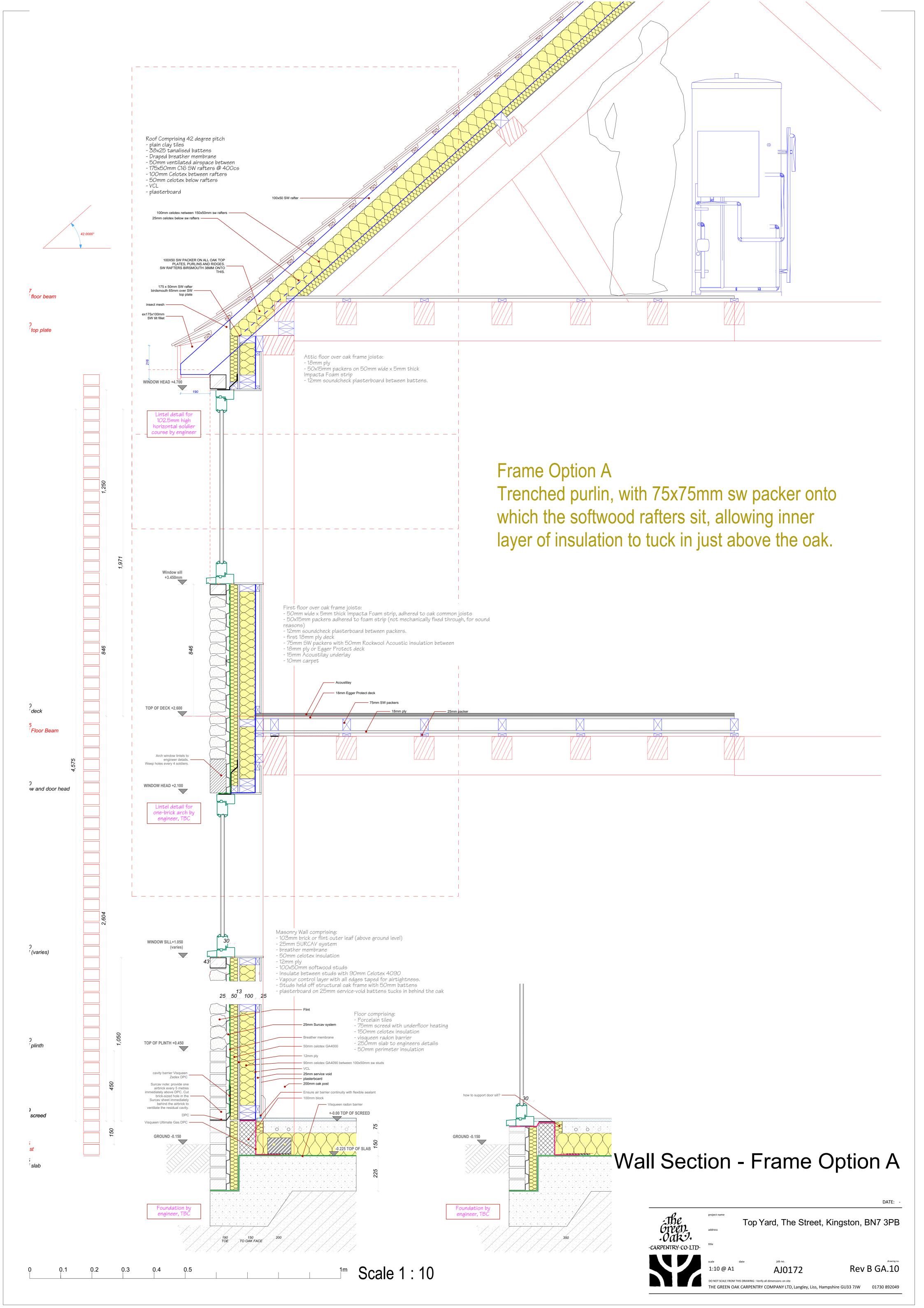


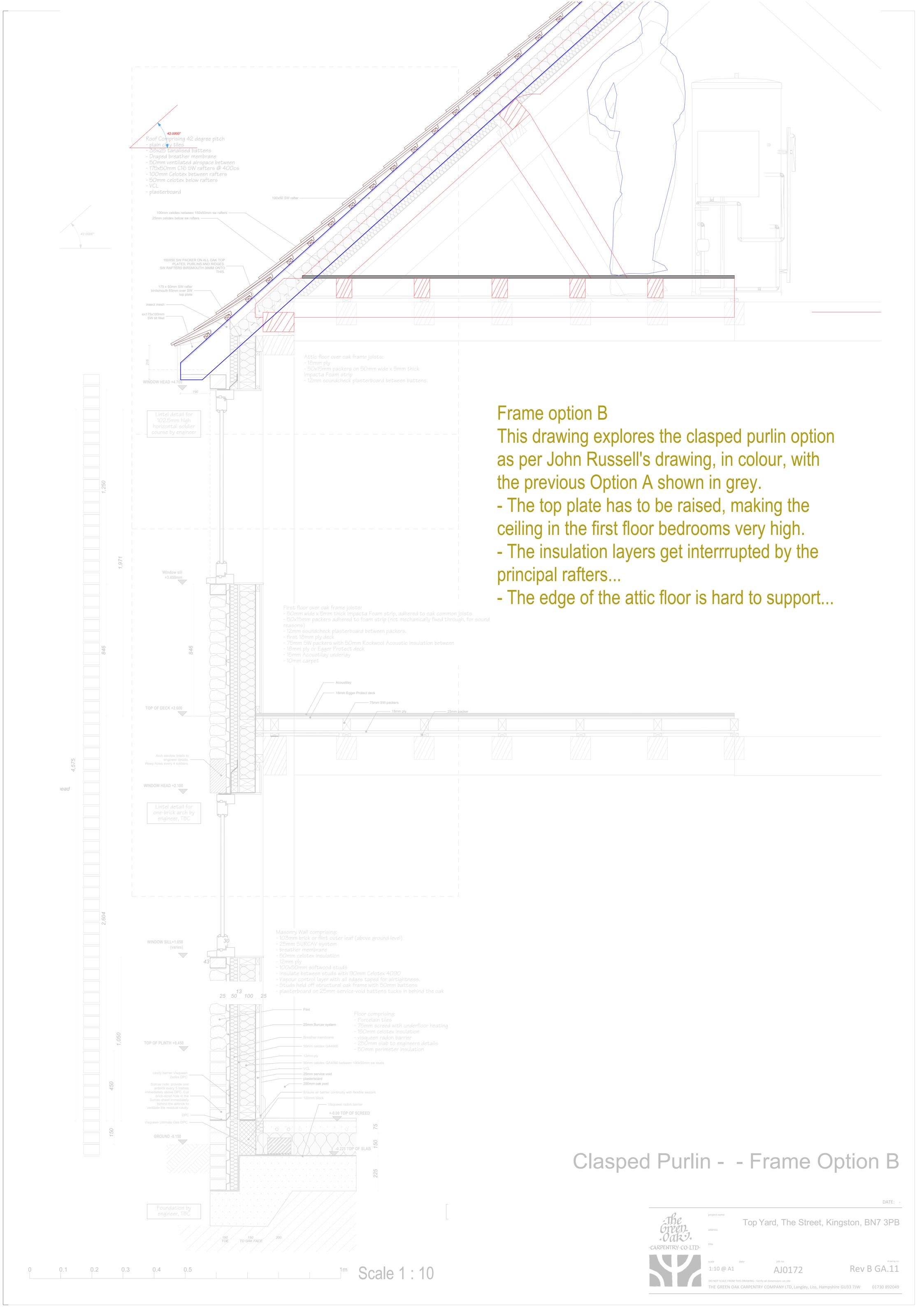


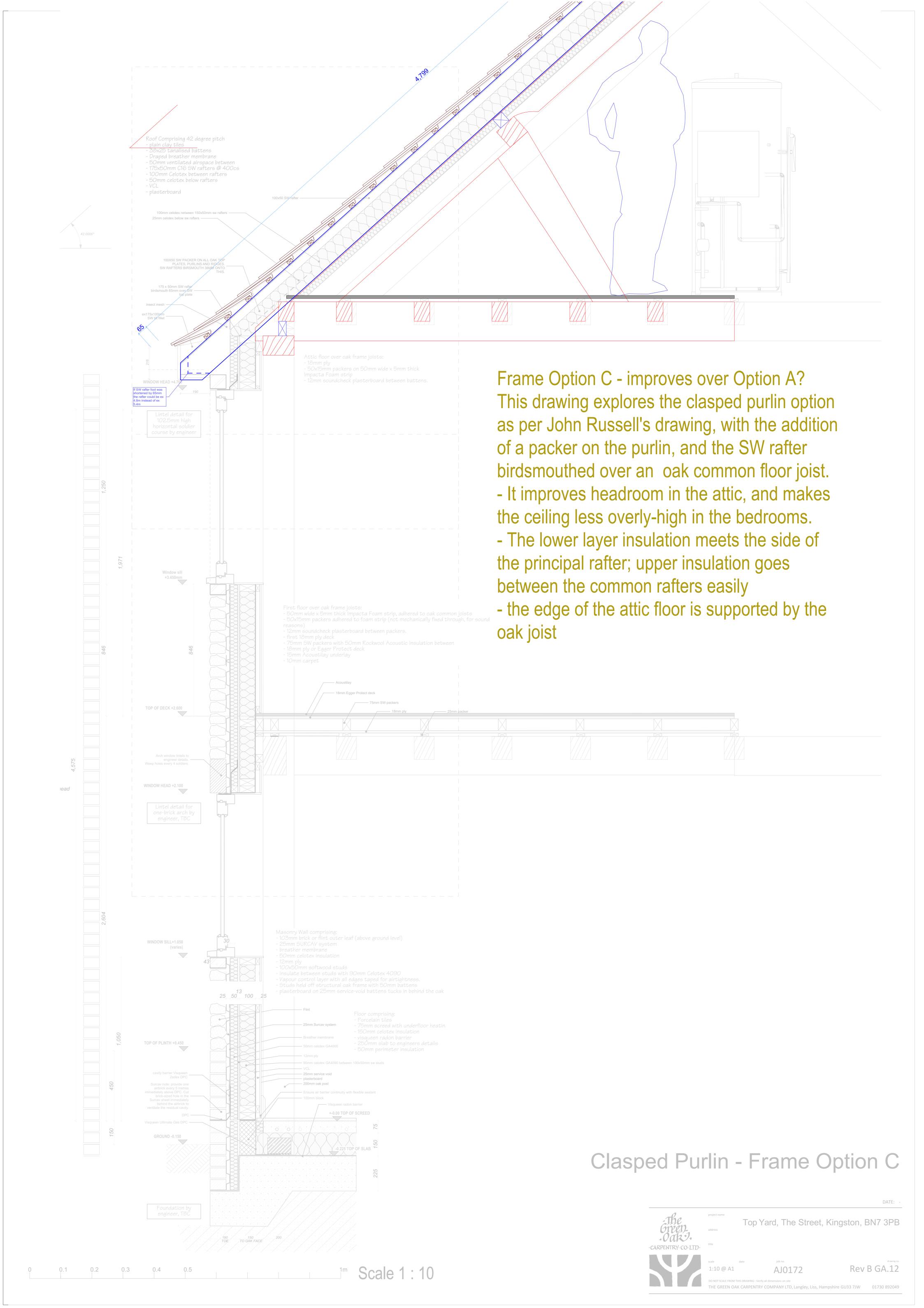
Roof Plan

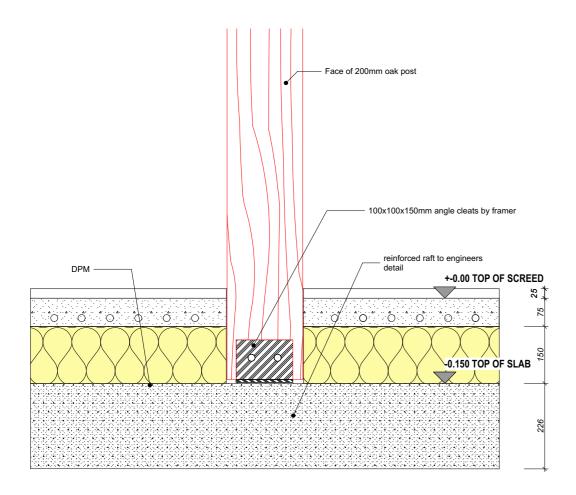




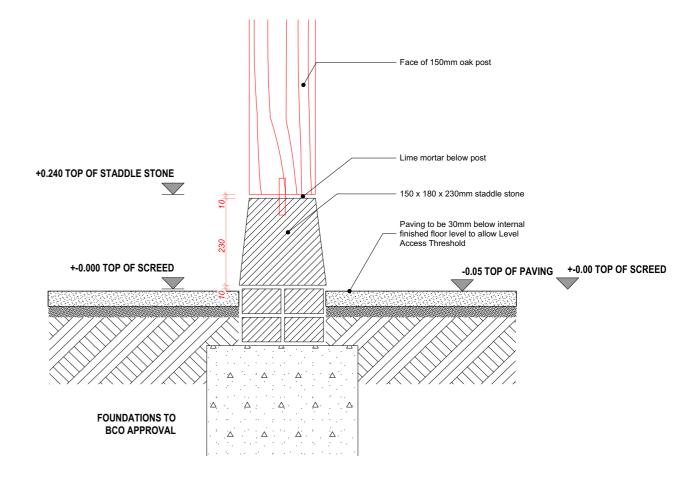








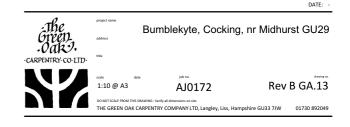
Section - Post Foot in centre of building



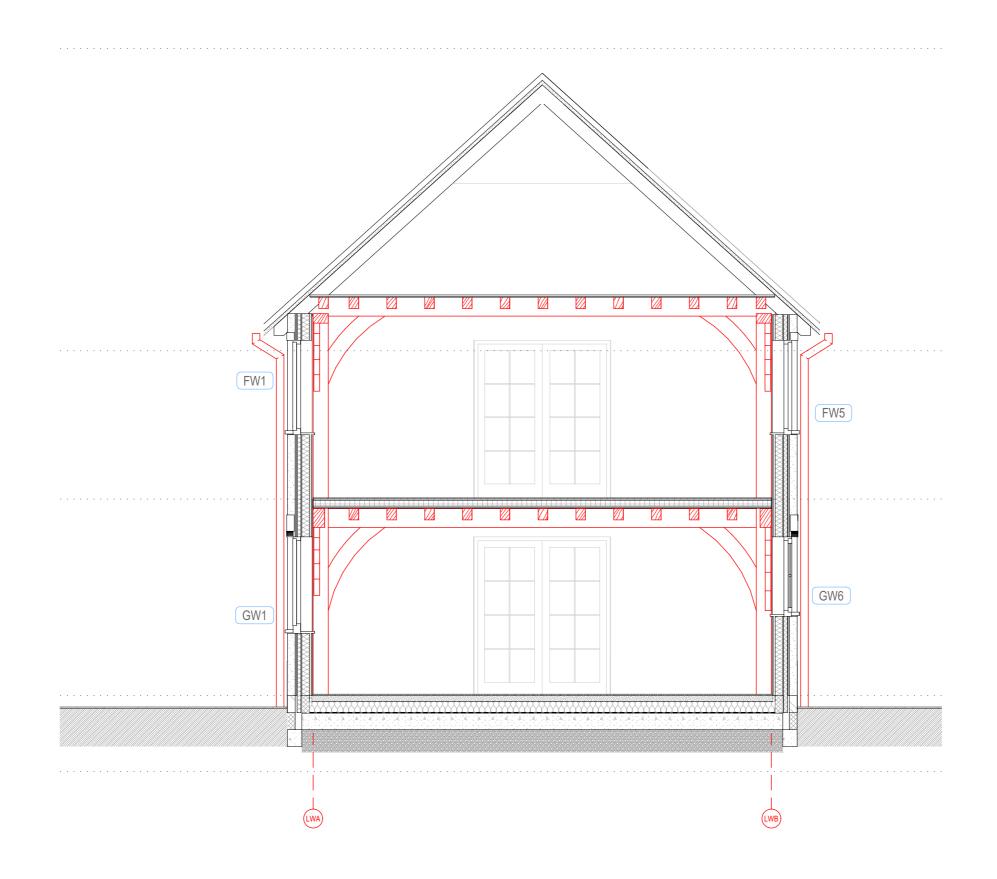
3, 4



Post foot details



0.1 0.2 0.3 0.4 0.5 1 1 1 1 1 1 Scale 1 : 10



Section AA

Top Yard, The Street, Kingston, BN7 3PB

address

CARPENTRY-CO-LTD
Top Yard, The Street, Kingston, BN7 3PB

address

address

Top Yard, The Street, Kingston, BN7 3PB

Address

Address

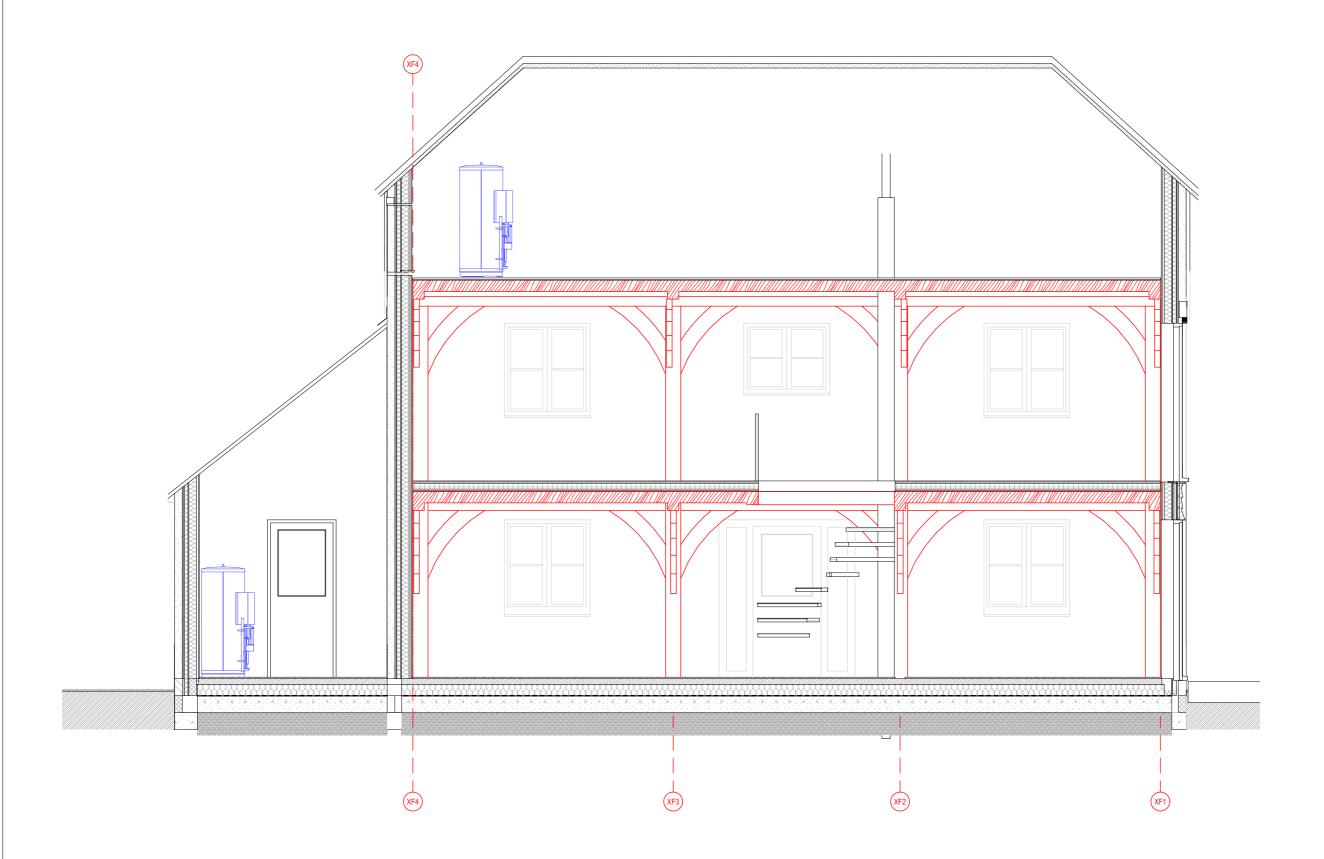
Address

Address

Address

ADD172

Rev B GA.14



Section BB

Top Yard, The Street, Kingston, BN7 3PB

address

carpenitry CO-LID
total

1:50 @ A3

AJ0172

Rev B GA.15

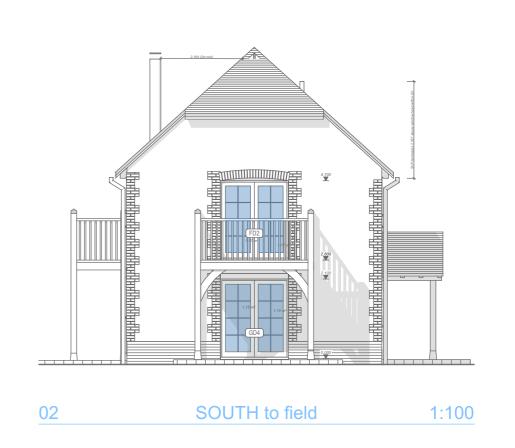
CONDISCALE FROM this SHAWING, Verily all dimensions on the
THE GREEN OAK CARPENTRY COMPANY LTD, Langley, Liss, Hampshire GU33 7JW

01730 892049

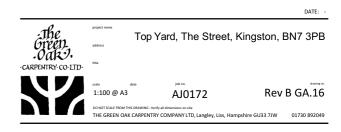








All Elevations



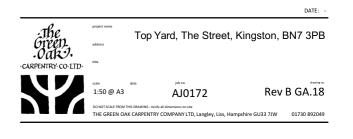


South West Elevation





South West Elevation





Lintel Arch Centres - Type AC

A PVC-u arch unit for use over openings in external cavity walls – traditional and timber frame – providing permanent centring for brick arch construction.

Allows easy construction of segmental arches. Includes integral weep vent.

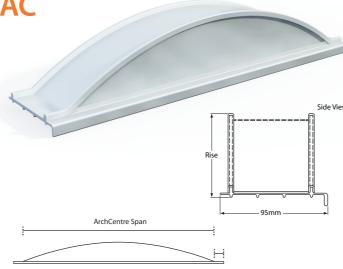
Materia

Extruded from PVC-u for greater UV stability Catnic Lintel Arch Centres are designed to weather in accordance with the PVC-u windows. The design incorporates built-in weep vents for discharging the wind-driven rain that penetrates the external skin of a cavity wall.

Installation notes

- i) Do not use damaged Arch Centres.
- ii) Remove the Arch Centre from its protective wrapping.
- iii) Check that the Arch Centre is correct for application (refer to the lintel specification).
- iv) Ensure the Arch Centre and lintel mounting surfaces are clean and dry.
- v) Locate the unit centrally over the opening to determine the
 position on the lintel. The front drip section should be trimmed
 off at the bearing end to allow for thin mortar joints and to
 enhance the appearance.
- vi) Locate the unit on the lintel at position previously determined, ensuring a tight fit to the edge of lintel toe.

Important Note: If used with Catnic Soffit Cladding, the straight ends of the Arch Centre, which extend beyond the structural opening, should be removed before proceeding to stage vi. (see right) This operation can also be carried out to avoid exposing the drip edge of the Arch Centre within the mortar joint at the bearing end. Cutting into the main body of the Arch Centre should not be carried out.



Arch Centre Code	Arch Centre Span mm	Rise (mm)	Opening S Min	izes (mm) Max	
ACA0475	450	75	450	500	
ACA0625	600	75	600	650	
ACA0675	650	75	650	700	
ACA0875	850	75	850	900	
ACA0925	900	75	900	950 1100	
ACA1075	1050	75	1050		
ACA1225	1200	75	1200	1250	
ACA1375	1350	75	1350	1400	
ACA1475	1450	75	1450	1500	
ACA1625	1600	75	1600	1650	
ACA1775	1750	75	1750	1800	
ACA2125	2100	75	2100	2150	
ACA2325	2300	75	2300	2350	
ACA2425	2400	75	2400	2450	

Note: Each length of Arch Centre will cover a structural opening with a tolerance of plus or minus 25mm. All lengths between 425mm and 3175mm are available in standard 50mm increments to suit a 75mm or 150mm rise.

www.catnic.com

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engineer to suggest appropriate lintels

Door and Window Schedules



Catnic

Pontypandy Industrial Estate Caerphilly CF83 3GL T: 029 2033 7900 F: 029 2086 7796

01/2015

NOTE:

The external door heights shown below are from top of screed to underside of lintel. Door manufacturer to add appropriate sill depth. Assume a 25mm floor finish on top of screed.

DO (DOORS AND WINDOWS								
	ID	ELEMENT TYPE	DESCRIPTION	W/D NOMINAL SILL HEIGHT	W/D NOMINAL HEAD HEIGHT	STRUCTURAL OPENING W X H			
0	GD1	DOOR	HALL - FRONT DOOR	0	2,100	1,800×2,100			
0	GD2	DOOR	UTILITY DOOR	0	2,100	910×2,100			
0	GD3	DOOR	BAY 2 - DOUBLE DOORS	0	2,100	2,450×2,100			
0	GD4	DOOR	BAY I GABLE - DOUBLE DOORS	-25	2,100	1,800×2,125			
0	GW1	WINDOW	LIVING ROOM	825	2,100	1,135×1,275			
0	GW2	WINDOW	LIVING ROOM	825	2,100	1,135×1,275			
0	GW3	WINDOW	BED 1 - GARDEN	1,050	2,100	1,125×1,050			
0	GW4	WINDOW	BED 1 - GARDEN	1,050	2,100	678×1,050			
0	GW5	WINDOW	DINING ROOM	750	2,100	1,800×1,350			
0	GW6	WINDOW	DINING ROOM	1,050	2,100	1,800×1,050			
1	FD]	DOOR	SNUG - DOUBLE DOORS TO BALCONY	0	2,100	2,449×2,100			
1	FD2	DOOR	BED 1 - DOUBLE DOORS TO BALCONY	0	2,100	1,800×2,100			
1	FW1	WINDOW	BED 1 - GARDEN	850	2,100	1,135×1,250			
1	FW2	WINDOW	BED 1 - GARDEN	1,150	2,100	1,135×950			
1	FW3	WINDOW	BED 1 - GARDEN	850	2,100	1,135×1,250			
1	FW4	WINDOW	BED 1 - GARDEN	850	2,100	1,135×1,250			
1	FW5	WINDOW	BED 1 - GARDEN	850	2,100	1,135×1,250			
2	GD4	DOOR	UTILITY DOOR	4,700	6,800	2,459×2,100			

Arch Centre Code	Arch Centre Span (mm)	Rise (mm)	Opening:	Sizes (mm)
			Min	Max
ACA0475	450	75	450	500
ACA0625	600	75	600	650
ACA0675	650	75	650	700
ACA0875	850	75	850	900
ACA0925	900	75	900	950
ACA1075	1050	75	1050	1100
ACA1225	1200	75	1200	1250
ACA1375	1350	75	1350	1400
ACA1475	1450	75	1450	1500
ACA1625	1600	75	1600	1650
ACA1775	1750	75	1750	1800
ACA2125	2100	75	2100	2150
ACA2325	2300	75	2300	2350

Lintels

Top Yard, The Street, Kingston, BN7 3PB



date job no.
AJ0172

Rev B GA.20

NOT SCALE FROM THIS DRAWING: Verify all dimensions on site

Part O Calculation - Simplified Method - House with Cross Ventilation in Moderate Risk Area

Categorising Residential Buildings

Moderate Risk location:

Cross Ventilation:

Yes

Window / Door	Whole House	North	East	South	West		Zone 1	North	East	South	West
GD1	1.00		1.00				1.00		1.00		
GD2	0.56		0.56								
GD3	3.00				3.00		3.00				3.00
GD4	2.40			2.40			2.40			2.40	
GW1	0.82		0.82				0.82		0.82		
GW2	0.82		0.82								
GW3	0.70	0.70									
GW4	0.35				0.35						
GW5	1.50				1.50		1.50				1.50
GW6	1.00				1.00		1.00				1.00
FD1	3.00				3.00		3.00				3.00
FD2	2.40			2.40							
FW1	0.90		0.90								
FW2	0.60		0.60								
FW3	0.90		0.90								
FW4	0.90				0.90						
FW5	0.90				0.90						
						_					
Glazed Area Total	21.75	0.70	5.60	4.80	10.65		12.72	0.00	1.82	2.40	8.50
Floor Area in m2	130						64				
Glazing as % of zone floor area	17%	1%	4%	4%	8%		19.9%	0%	3%	4%	13%
BLDG REGS MAX for moderate risk		18%	18%	15%	11%			37%	37%	30%	22%
		pass	pass	pass	pass			pass	pass	pass	pass

Bed 1	North	East	South	West	
2.40 0.90		0.90	2.40		
0.50		0.90			
0.90				0.90	
4.20	0.00	0.90	2.40	0.90	
21					
20.0%	0%	4%	11%	4%	20%
	37%	37%	30%	22%	
	pass	pass	pass	pass	

Minimum Free Area a)

b)

e Area 9% 11.7

of floor area

m2 of glazing should open

pass 55%

of glazed area

12.0

m2 of glazing should open

pass

4% of floor area 0.84 m2 of glazing should open

pass

Part O - Simplified Method

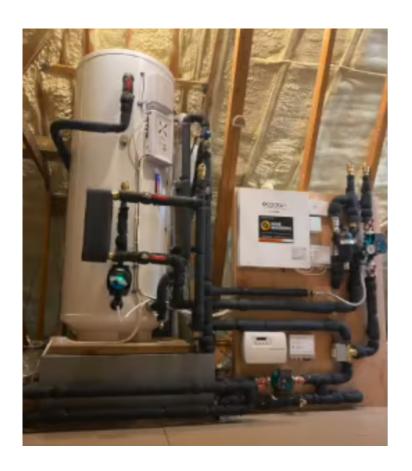
The Street, Kingston, BN7 3PB

SCARE TIO. 68 @ A3 DO NOT SCALE FROM THIS DRAWNING

job no. AJ0172

Rev B GA.21

GREEN OAK CARPENTRY COMPANY LTD, Langley, Liss, Hampshire GU33 7JN





Mitsubishi Electric Air Conditioning Hard Wired PAC-IF073B-E REMOCON Controller Assy Complete



Mike Tinson pinnaclehtg@gmail.com The Chestnuts - 3 bed oak framed house Heating Specification:

Air Source Heat Pump Mitsubishi 8.5kW air source heat pump (Model PUZ-WM85VAA)

Cylinder: Mitsubishi 210L cylinder EHPT21X-UKHDW1L

Programmer Mitsubishi PAC-1F073BE.

Heating Emitters:

In screed underfloor heating on ground floor, spreader plate underfloor heating on 1st floor.

Room thermostats: Yes

Independent controlled heating zones: Yes

TRVs: No (no radiators)

Delayed start (optimised) thermostat: **Yes** Weather compensation (outdoor thermostat): **Yes**









Heat Pump

heat pump hot water tank could be in loft or could be in cupboard in utility room - two facing walls works well as per these photos

Top Yard, The Street, Kingston, BN7 3PB



job no. AJ0172

Rev B GA.22

E GREEN OAK CARPENTRY COMPANY LTD, Langley, Liss, Hampshire GU33 7JW

V 01730 892049