

Finished floor levels
Tbc once areas are clear and existing floor checked.

Ground floor build up

- 1200 gauge polythene DPM over existing concrete slab (if required)
- Min 50mm PIR insulation, e.g. Celotex GA4000, 25mm Celotex insulation to continue around floor perimeters to avoid thermal bridging.
- A VCL
- 65mm sand/cement finishing screed with light mesh reinforcement

External wall build up

- 50mm cavity
- 100x50mm stud wall
- 100mm rockwool or similar insulation between the stud walls
- 12.5mm plasterboard with skim finish

Roof build up

- 160mm PIR insulation to be installed between and underneath the rafters.
- 50mm ventilation gap is to be maintained between the underside of the existing membrane and new insulation between the rafters.
- 12.5mm plasterboard and skim finish

It is assumed at this stage the existing roof of both barns are in good condition. The single storey barn is very much an unknown as the rafters are enclosed. It is possible that new rafters maybe required once they can be assessed properly.

Existing roof lights
To be made longer (assumed existing are 780mm wide x 980mm. Increase to 780mm wide by 1400mm)

New roof lights
Roof lights in the single storey barn to be 550mm wide x 780mm. Existing rafters will need to have been exposed and inspected to determine if this is the best size option

New first floor joists
Due to the span it is suggested that posi joists are considered to eliminate the need for a steel beam.

New ramp
A new ramp is to be installed between the two sections of the barn. It is to be to wheelchair accessibility standards if possible however until the difference in floor levels between the top and bottom can be ascertained this is unknown.

GENERAL NOTES

Whilst every care has been taken to ensure accuracy, no responsibility will be accepted for any errors contained in this drawing and it should not be relied upon for ordering of any materials.

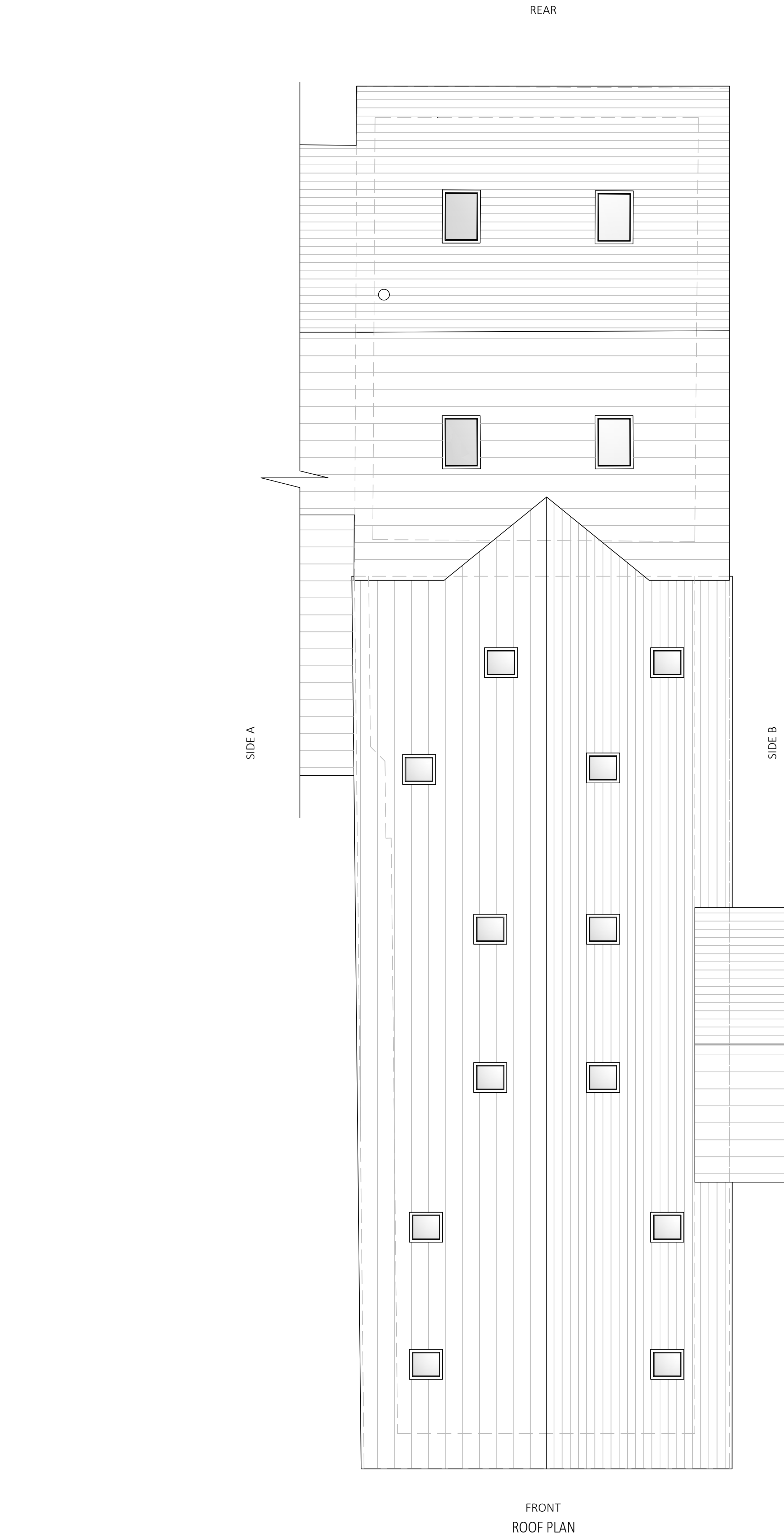
All details and dimensions must be checked on-site before any building work or material ordering.

This drawing is copyright the property of the Client. All dimensions to be checked on site before proceeding.

Contractor to check and adjust dimensions of new work to suit existing conditions.

Do not assume existing structure or details are plumb, square or level.

Contractor must notify the Agent of any discrepancies before proceeding.



B	ST			10/09/2026	Scale details removed
A	ST			24/08/2026	Details updated
Rev	By	Chk	App	Date	Description



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Project

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Drawing

Proposed Arrangement - Option C
Roof Plan

Drawn by	ST	Date:	13/05/2026
Designed by	ST	Date:	
Checked by		Date:	
Approved by		Date:	

Drawing No.	Revision
STA_0219_10	B

Drawing Scale: 1:50	Sheet size A1
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