

General Notes

Externally, all cement pointing to masonry to be carefully removed, where possible. Once done, all pointing to be assessed; and any lost, friable or recessed joints to be re-pointing in lime mortar. Internally, all cement/gypsum plaster to be removed; and all existing walls to be re-plastered in a 3-coat lime plaster and finished in a vapour-permeable paint.

All window frames to be repaired, where possible. Where window lost, or badly damaged, window frame to be replaced, like-for-like. All glazing to be replaced, apart from retained and repaired and new leaded glass units, which are to be retained and repaired and new secondary glazing unit incorporated to inside face. All new glazing to main Synagogue space to be new leaded, stained glass within slimline double-glazed units. All new glazing to front range windows and upper ground floor to be clear slimline double-glazed units.

All roof to be stripped of slates, ridge tiles, leadwork, membrane & insulation. Slates & tiles to be carefully removed and set aside for re-use.
New roof build-up to comprise:
Re-used slates and tiles, plus new like-for-likes, where extras required;
New 50x25mm timber battens;
New vapour-permeable roofing felt;
Between rafters, insert earthwool or glasswool vapour-permeable insulation;
Apply 25mm thick woodwool boards;
Apply 2no coats 6mm lime hemp plaster;
Apply 3mm lime top coat;
Paint in vapour-permeable paint.

Within roof plane over bat roost, there will be further access tiles and modified ridge tiles to provide dedicated access into the roof for crevice-dwelling species present onsite. Access will also be created under some of the standard roof slates, by cutting a notch from the new slate to create a gap under the slate, which will lead to the narrow space between membrane, timbers and slates. Notches will also be cut out of the battens in some areas to enable the bats to move more easily up and down the roof under the slates.

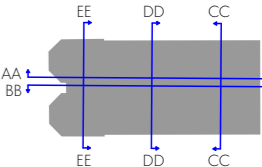
Existing slate-blade Louvre to be retained for bat access

Roof membrane to be laid under slates and battens. For entire bat roost, membrane to be 'TXL Batsafe' or 'Siga Majcoat 350'. May be the same to rest of roof; however, may also be different, more vapour-permeable membrane, such as Procter Roofshield. Ensure general membrane does not extend to bat roost.

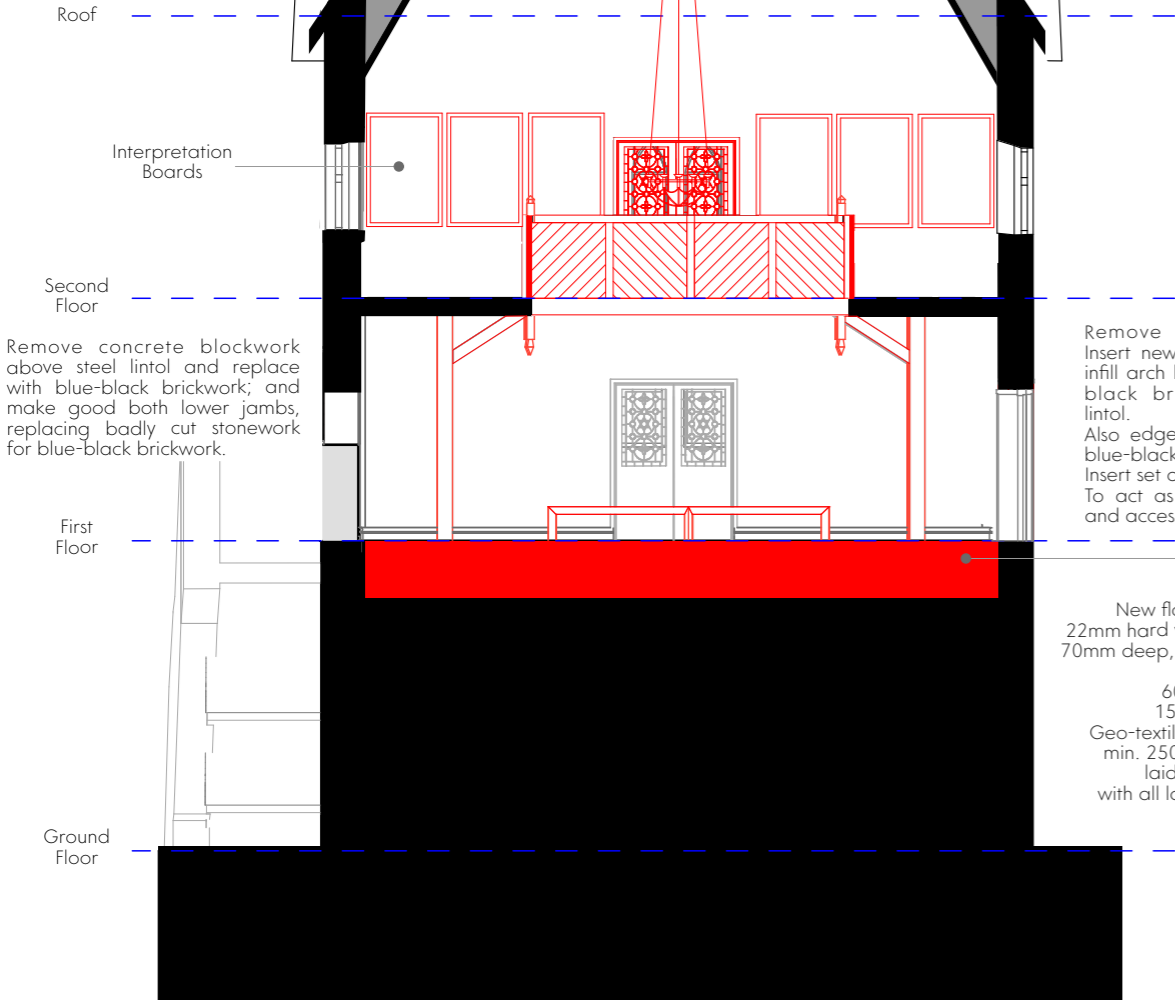
Bat Roost approx. 4.7m wide at base and in excess of 2m height in centre

Pyramidal vents to be such that they provide bat access to roof space. These will differ from the other pyramidal vents in construction & material (so as to suit bat use) however, will have a similar appearance from ground.
One of more of these could provide a hopper entrance for lesser horseshoe bats with a 30cm x 30cm air gap, with a 50cm long chute (at 45 degrees) leading in, lined with a lead or sheet metal.

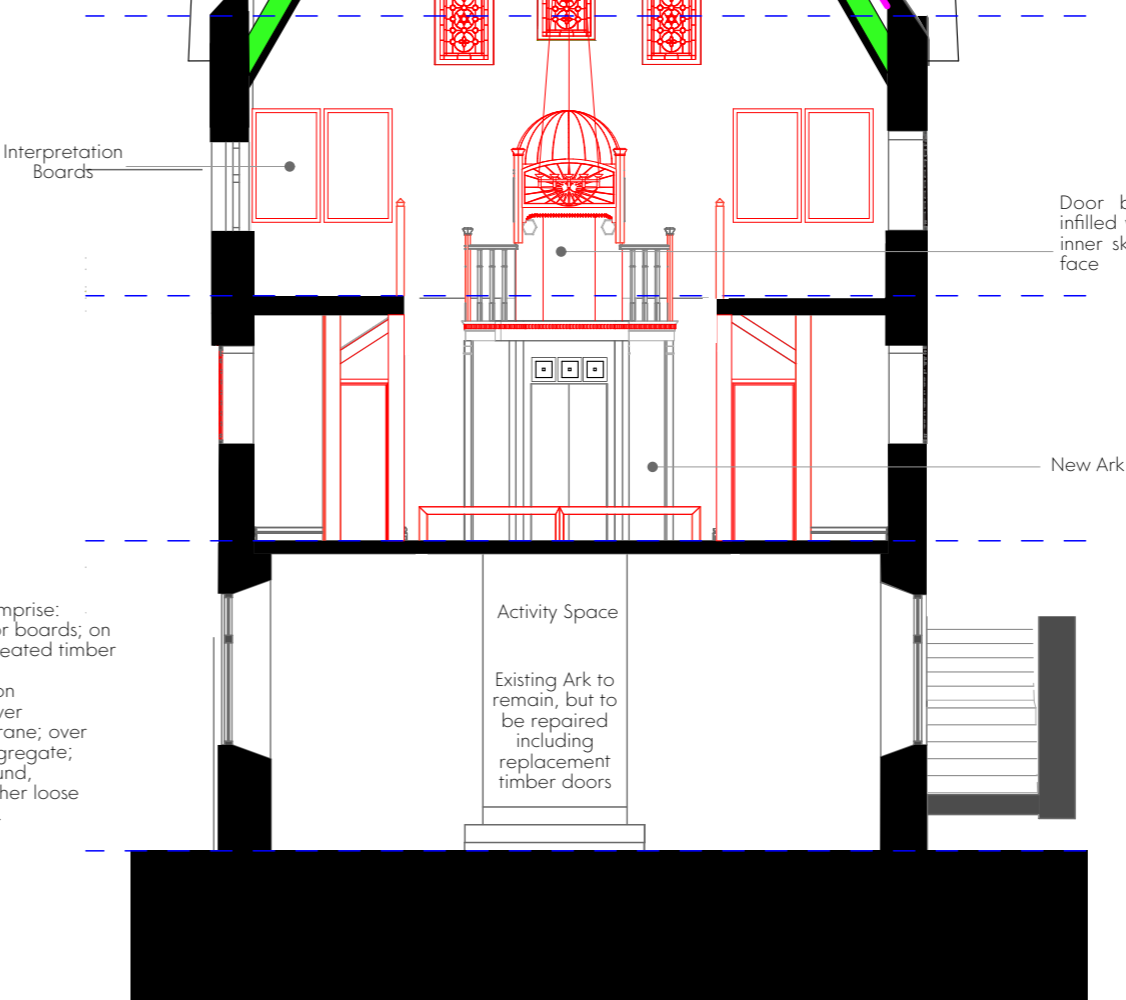
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All drawings and specifications should be read in conjunction with the project health and safety plan, any possible conflicts should be presented to the Planning Coordinator.
All work to be carried out in accordance with current Building Regulations.
Contractors must verify all dimensions at the job before commencing any work or making shop drawings.
Written dimensions should be taken.
Do not scale off drawing.
Do not take digital dimensions from this drawing.
Any discrepancies to be reported to the Architect.



Key:
- Proposed



West Elevation - CC



East Elevation - DD

P01	18.08.25	First Issue	FM	BP
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Job Title
Merthyr Tydfil Synagogue Project



Proposed Internal Elevation - East & West

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Scale	1:150@A3
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