

Additional Photos (25/10/2023)



The white outlet seems inadequate so the lead trough will overflow. Same detail on the other end of this main roof (Appendix 2 DSC00107).



DSC00077



DSC00078



DSC00107



## ROOF VOIDS

Limited access was given to the roof voids. Minimal access provided throughout.

### Roof Void R1 (Library)

Limited access. New steel structure on columns and bracing. Inadequate insulation. Further access needed by arrangement.

### Roof Void R2 (Philbrick)

Gang nail plate truss on raised shuttered concrete collar supported on steel framing with ladder strutting across supporting glazing. Later 1990s gang nail plate added, replacing lantern or glazed structure unknown.

Water getting in the corners due to poor detailing at low level. Re-detail behind secondary fascia. Possible condensation. Possible water entry through Chinaman's cap and lead vent to ventilators below (ref. external section of report).

### Roof Void R3 (Main Gallery)

Steel frame lightweight trusses supporting an upper slated area with what were glazed panels to mid span. It has been braced with steel ties and bars at a later stage. The lower level has a cast concrete beam, which seems very heavy for the truss blade. Rust appears to be occurring where it is dressed into the lower wall, particularly on the east face. Further investigation needed. Roof void insulated. Ventilators are provided. There is some evidence of earlier damp around them.

Roof void R 4 – See Room 5.01 (Archive)

Roof void R5 – See Room 5.09 (Chapel)

The single image below seems to be the roof above the Philbrick Gallery, roof R2.



DSC00869



DSC00875



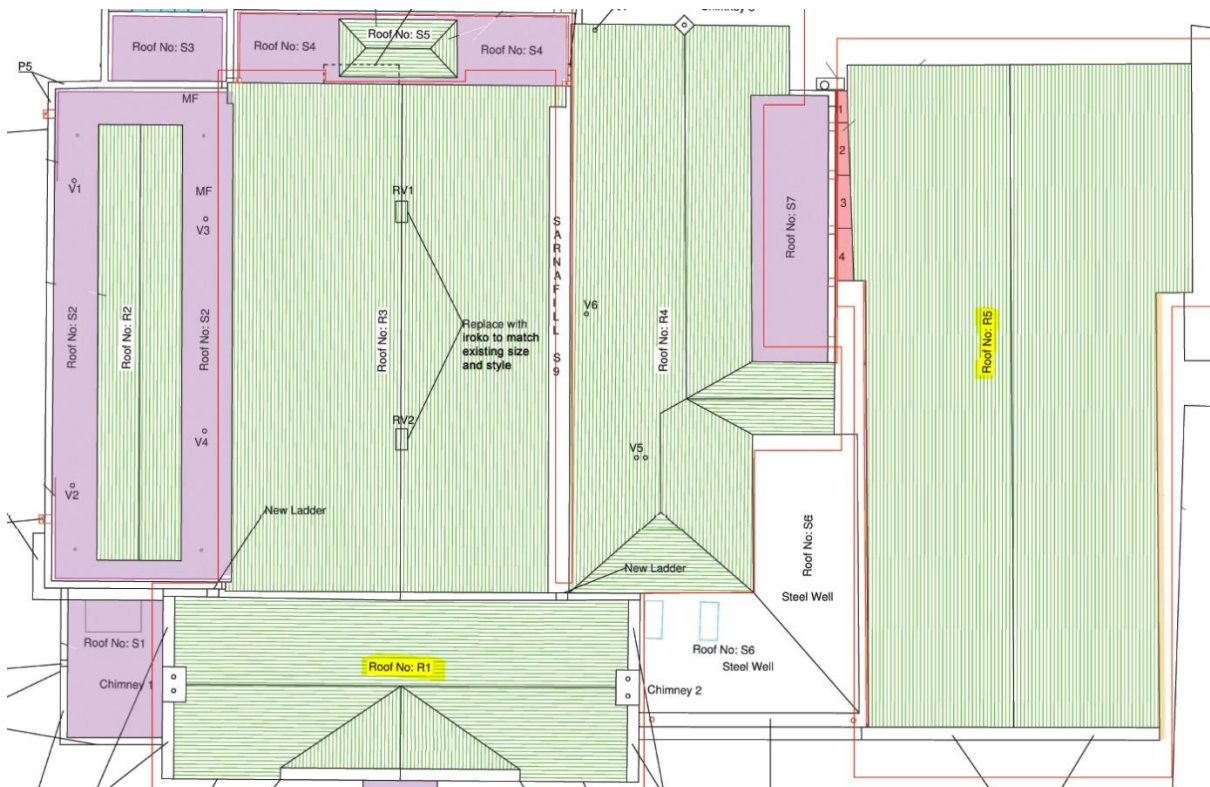
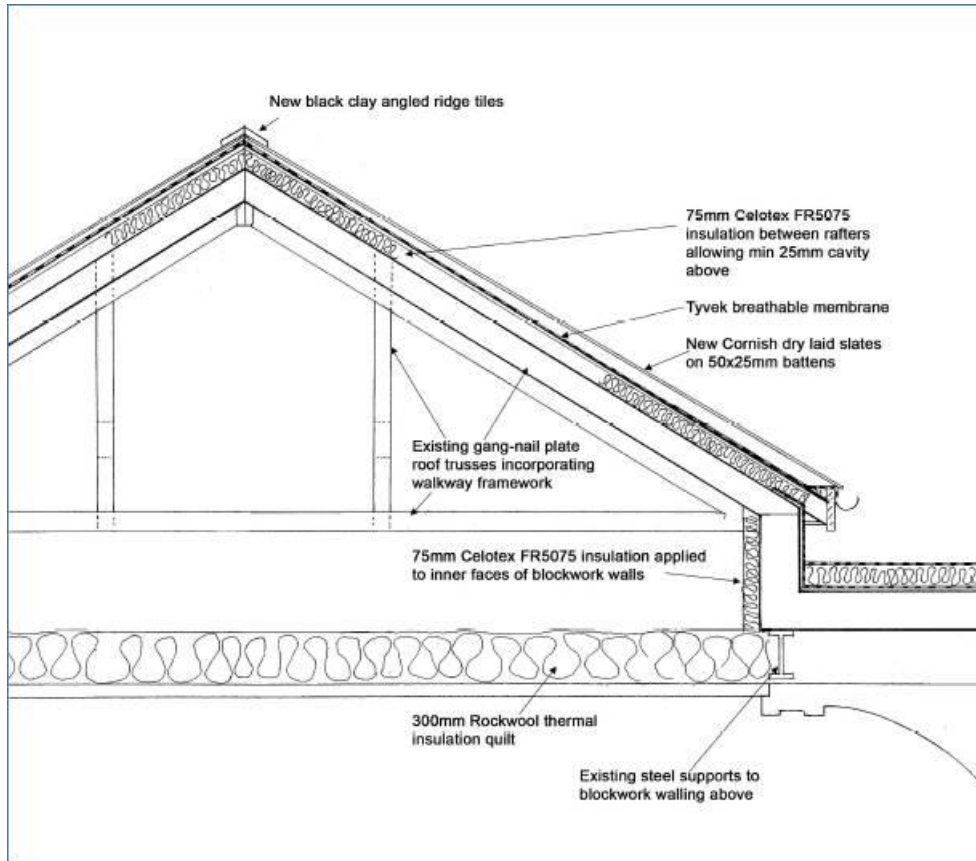
DSC00876



DSC00877



DSC00878















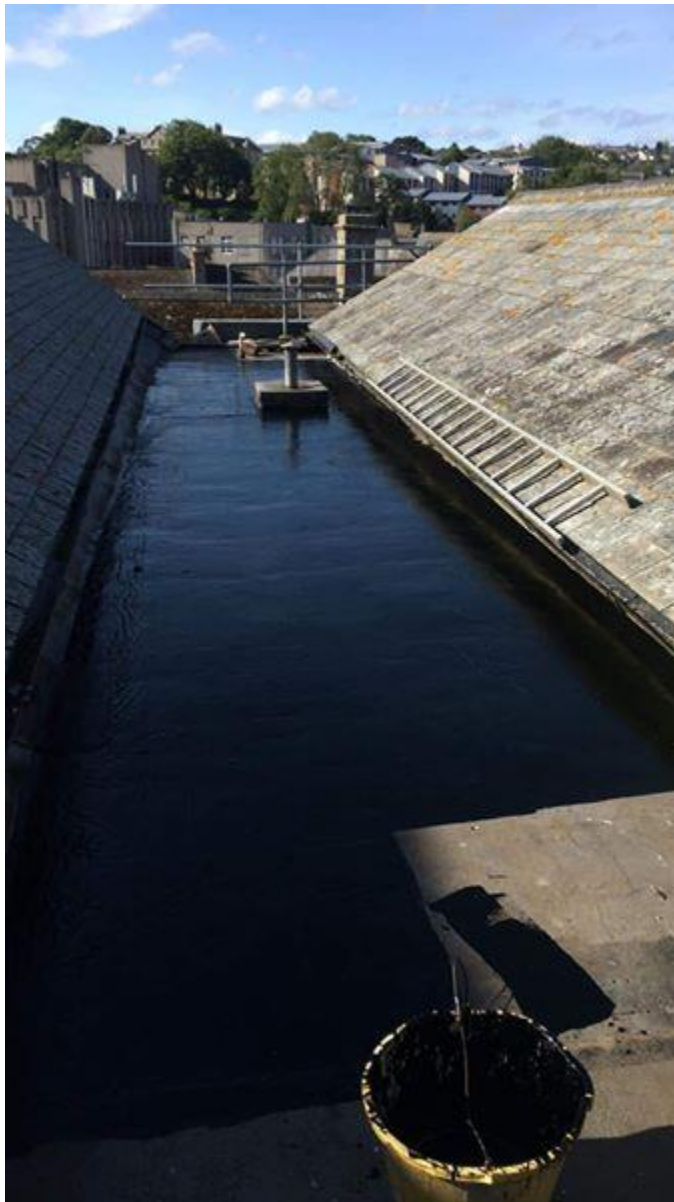














Barham -This was a warm roof system comprising of @danosauk vapour layer, 120mm insulation, Danosa underlay and then Danosa mineral cap sheet.

