

Case Study

St Peter's Church Langley Burrell



Craftsmen in the
Conservation of
Historic Buildings

The North Aisle of St Peter's Church at Langley Burrell was originally covered in a stepped copper roof, over time the standing seams and step had started to allow water ingress. This was largely due to poor seam seals. A new copper covering was agreed, without the need for a step midway along the roof's length, therefore reducing the joints across the length of the roof.

Once the original copper was stripped and the lower 3 courses removed from the stone tiled roof. The new box gutter and outlets along the North parapet wall were replaced using sandcast code 8 lead. The copper bays were then formed in our yard and the entire roof was taken to site via a pickup truck. This was made possible due to the material being considerably lighter than lead. The timber substrate was repaired along the upper deck and the lower deck was lifted to give the roof a single continuous slope using European Redwood boarding. The new copper was laid on a breathable underlay that helps reduce rainfall noise. The copper bay seams were welted on site by our hard metals team. A Nicholson AirTrack vent was placed along the stone tile eave and the stone tiles were relaid. The flashings around the outer edge of the roof and gutter were replaced using lead.



Once the roof was complete the ceiling below the North Aisle roof was repaired using a lime plaster and painted using a casein bound white limewash applied by our decoration team.

The cast iron rainwater goods along the North wall of the Aisle were also repaired and redecorated. The project Architects overseeing the project were Henk Strik and Emma Green from the Somerset Architectural practice b2.



