



SOUTH EAST ELEVATION



1. VIEW OF SOUTH EAST ELEVATION



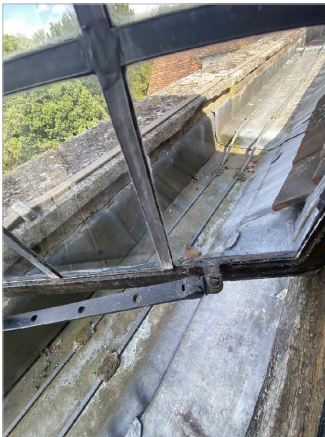
2. VIEW OF THE DRAINAGE OUTLET, HOPPER AND DOWNPIPE



3. GULLY WHERE THE DOWNPIPE DISCHARGES



4. LEADED STEPPED GUTTERING BEHIND THE PARAPET WALL



5. LEADED STEPPED GUTTERING BEHIND THE PARAPET WALL

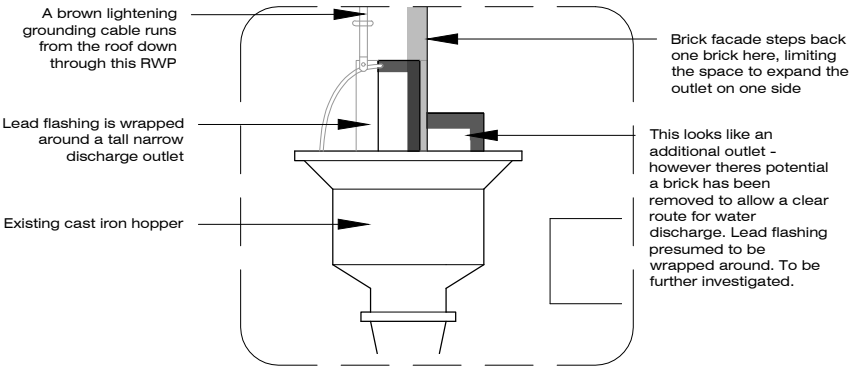
**OWLETT'S MANSION - MAIN HOUSE:
ROOF GUTTERING DISCHARGE OUTLET**

Defect Summary:

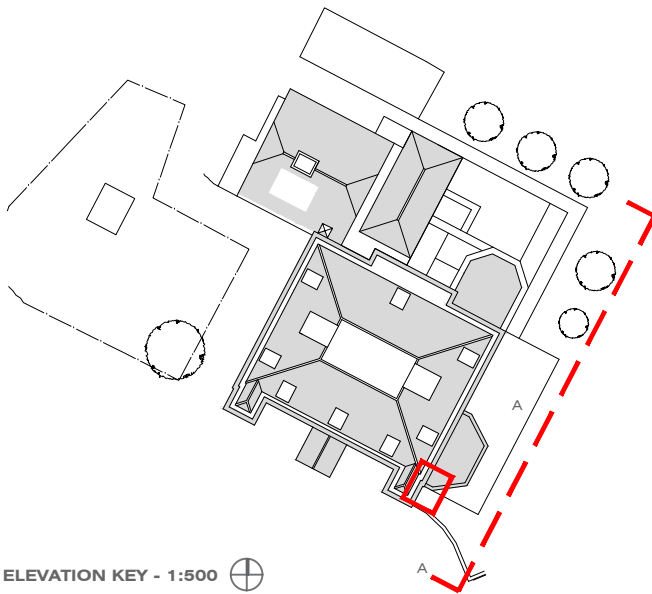
The existing rainwater outlet serving the south east elevation of the main house is undersized in relation to the roof area it drains. The current opening measures approximately 110mm in width, creating a restricted discharge point for a comparatively large volume of rainwater

During periods of heavy rainfall, the outlet does not allow water to discharge at a sufficient rate. This results in water backing up behind the parapet gutter, increasing the risk of overflow and ponding at high level. The slow discharge is contributing to water penetration at the roof parapet, with moisture tracking into vulnerable masonry joints and roof details.

The restricted outlet width limits hydraulic capacity and places additional stress on the parapet and gutter system. Over time, this condition increases the likelihood of damp ingress, masonry staining, and accelerated decay of the parapet structure. The defect is therefore functional rather than aesthetic, arising from inadequate capacity for modern rainfall intensity and the roof catchment area it serves.



EXISTING DETAIL AA OF WATER OUTLET
1:20



ELEVATION KEY - 1:500

