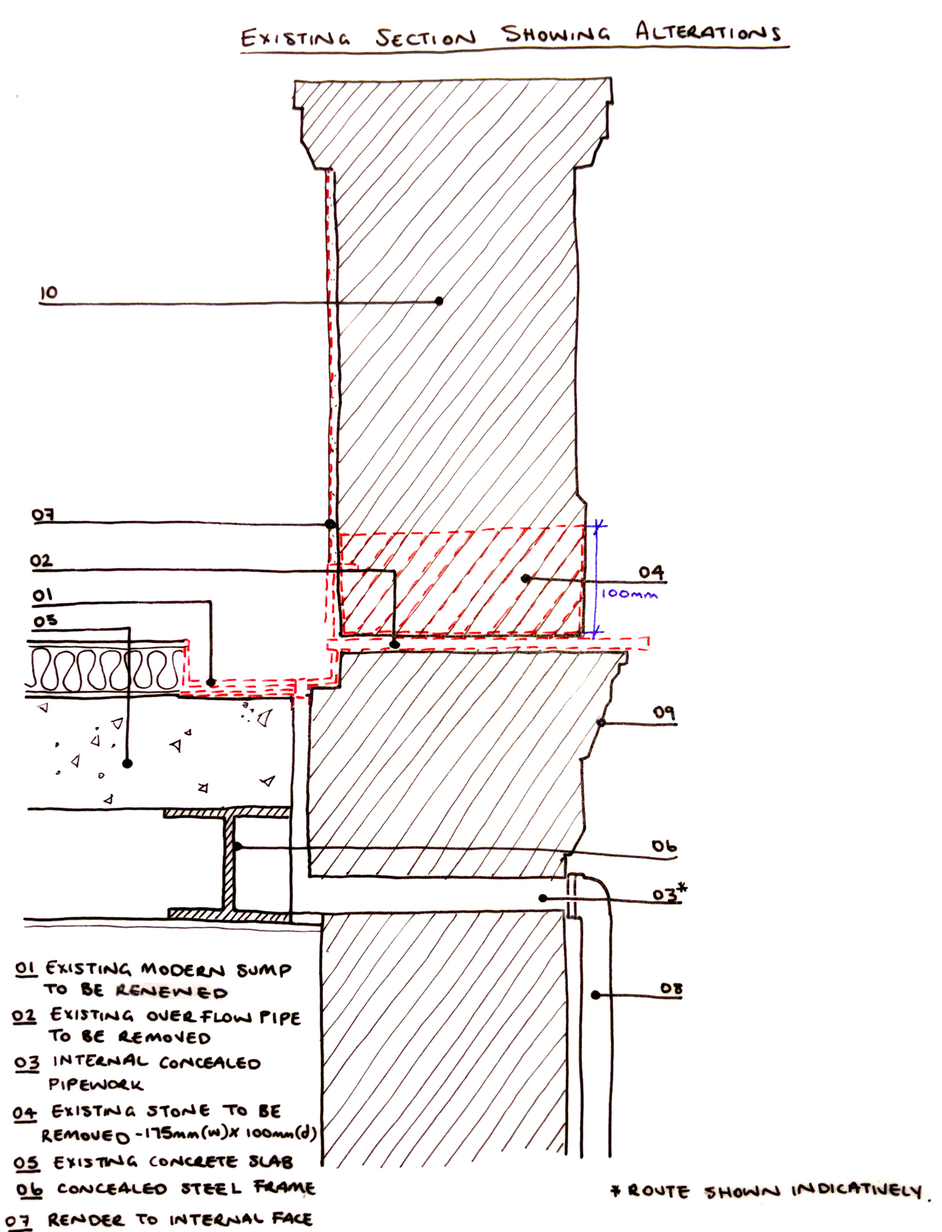
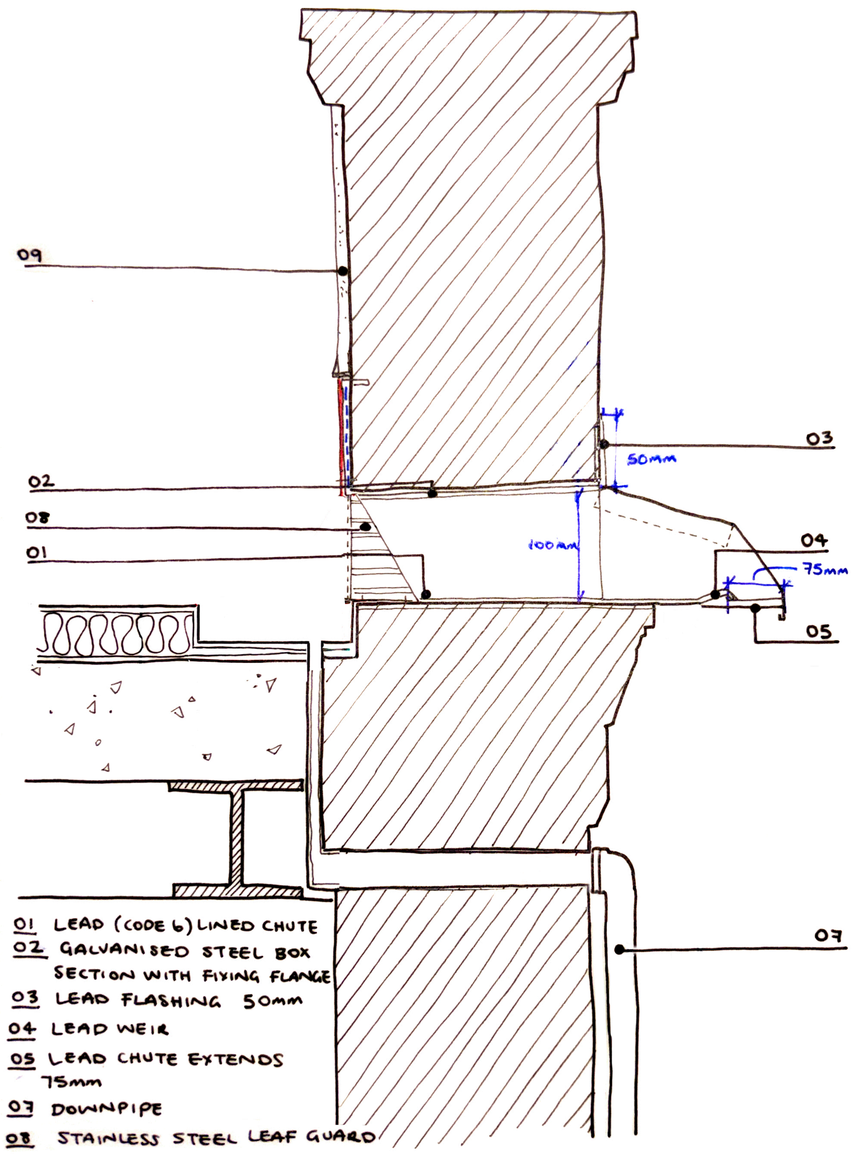




Method Statement

Formation of Lead Rainwater Chutes Through Masonry Parapet – Orangery

Project Element: Formation of new lead-lined rainwater chutes through the masonry parapet of the Orangery to replace existing internal rainwater outlets and pipework.

Objective:
To improve rainwater discharge capacity from the flat roof while minimising intervention to historic fabric, ensuring compatibility with existing materials and protecting the architectural significance of the building.

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1. Formation of Chute Opening

- On the parapet, mark out chute locations in accordance with the approved drawings.
- The opening shall measure **175 mm wide by 100 mm deep**, centred on the existing outlet openings unless stated otherwise. Do not progress with the removal of fabric until the extent has been approved by the conservation architect.
- Masonry shall be removed **carefully using hand tools**; the use of power tools shall only occur with prior approval.
- Stone units shall be removed in small sections to minimise disturbance to surrounding fabric.
- Any dismantled masonry shall be **referenced, stored on soft non-staining material and retained for potential reuse**.

Cutting away works shall be carried out with **minimum disturbance to adjacent masonry and architectural features**.

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2. Installation of Structural Support

- Insert a **galvanised steel box section frame** within the opening to support the chute.
- Temporary supports or shoring shall be installed where necessary to maintain stability of the parapet during cutting works.
- All temporary supports shall be designed and installed to ensure the **safety and stability of the structure throughout the works**.

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3. External Lead Detailing

- Dress lead sheet over the external face of the parapet around the opening.
- Provide a **minimum 50 mm flashing cover** to ensure adequate weather protection.
- Lead edges shall be neatly formed and secured in accordance with LSA guidance.

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4. Formation of Overflow Detail

- Extend the chute **approximately 75 mm beyond the downpipe** to form an overflow outlet.
- Dress the lead to create a drip detail projecting clear of the wall.
- Form a **lead weir upstream of the overflow** to encourage water discharge into the downpipe during normal conditions.

This detail provides a **failsafe overflow in the event of blockage**.