

PARAPET WALL DETAILING

The parapet wall as detailed in **figure 2** was constructed using traditional methods & materials. All elements of this detail were reviewed by Designers, Contractors & Component Suppliers during the design stage in order to ensure that rain water ingress problems experienced on similar previous projects were not repeated.

The detail incorporates the following key features:-

1. Stonework immediately above the cavity tray is side fixed within the vertical mortar joint, thus eliminating penetration of the cavity tray.
2. All cavity tray components are purpose made and provided with lap support boards.
3. All cavity tray laps are fully sealed.
4. A full width dpc is placed below the stone coping and flashed over internal parapet wall lining.
5. The flashing has been re-designed to allow the weep holes to be protected from driven rain. The weep holes were also reduced in height to 25mm. The detail also allows the flashing to be fixed without affecting the integrity of the cavity tray.
6. Single skin profiled metal cladding sheet fixed to rear face of parapet to protect blockwork from driven rain.

To ensure that all works are carried out in accordance with the drawing and specification a Quality Plan was prepared which requires inspection of the works to be carried out, approved and signed off at the various critical stages of the construction. Record photographs were also taken to support the quality plan.

This amended detail has been constructed on a recent project and no problems of constructability or water ingress have resulted.

