**01 General view of principal entrance to Westonbirt House.** The north east service wing is the low one and two-storey range to the left of the image. The south west corner of the courtyard is denoted by the red arrow (with the taller Belvedere tower visible just to the left).


**02 South west corner of north east courtyard** with Belvedere tower visible to right of the image. Single storey flat roof to minimal falls with intermediate rooflights to corridor and service areas at lower ground floor level.


**03 Aerial view of south west corner of north east courtyard** highlighting location of concealed rooflights in slot between principal range and north east service court.

**04 View of rooflight rl01** looking west. Replacement Georgian wired glass rooflight with inverted T section iron beams. Much patched with flashband over leaking lead capped joints (itself a remedial detail attempting to improve on the original linseed oil putty weathered joints to glazing bars).

**05 Rooflight rl02** looking south towards wn02. Modern Georgian wired glass with inverted T section iron beams, patched with flashband and more recently subject to emergency protection with polythene sheet to resist ongoing water ingress.

**06 Rooflight rl02** looking east. Edge detail is leading to repeated water ingress due to of lack of adequate vertical upstand, especially in storm conditions. Note minimal 40ø of roof outlet (rw01) which leads to surcharging in storm conditions.


**07 Rooflight rl03** looking south towards wn01. Repeat of poorly designed perimeter upstand as rl02, which replicates all the defects associated with intermittent water ingress. Note roof outlet (rw01) which tapers to 40ø passing through wall before discharging to hopper beyond coping.

**08 Looking east towards rooflights rl02 and rl02.** Concrete substrates to minimal falls with asphalt roof covering and solar reflective paint finish, now all in need of replacement. Moss growth is visible where roof retaining water immediately adjacent to rooflight. Roof falls to just 2no outfalls to south west corner of courtyard (rw01) and at north end of roof (rw02) – see roof plan drawing 139/100 for details.

**09 Looking west to rooflight rl04.** Modified repaired rooflight with timber glazing beads and perimeter frame. Modern Georgian wired glass and lead capped from adjacent window we02. Note very narrow perimeter gutter to eastern edge of rl04, subsequently lined with lead flashing.

**10-11 Looking north to rooflight rl04.** Narrow gutter to edge of rl04 silts up and due to minimal upstands resulting in regular water penetration internally. Note also decaying moss covered glazing bar in need of replacement.

**12 Looking west to end rooflight rl05.** Replacement design similar to rl04 with one glazing panel replaced with [damaged] asbestos cement sheet sealed with flashband. Northern edge of rooflight is flashed into adjacent ashlar walling.

**13-14 Looking north to rooflight rl05.** Roof is very constrained in this area with very narrow, c.60mm wide deep gutter leading to outfall at north end of roof – through outlet reduced to 40ø as it passes through wall to hopper. Proposal is to diamond core drill to allow provision of 100ø pipe through wall.