SITE INSPECTION RECORD 01

Project Code: WAGL.01
Date: 14.01.2020

Walker Art Gallery, Liverpool

Time from: 10:30	to: 12:30	by: MTO	To be seen by: ALL
Weather: Overcast, Wet	Temperature: Mild, 8ºc		

Present
Matt Osmont and Elgan Jones– Insall
Richard Bridgman – Buro4
Roy Forshaw – NML

Apologies
Matt Dickinson – Max Fordham

Summary
A brief inspection of roof voids over Gallery 01 and review of M&E installations within roof void over Gallery 02.

Roof Voids over Gallery 01:

- Areas immediately beneath R18 and R19 are currently clear of any M&E installations.
- 3no. large air handling ducts run east/west centrally to the gallery (below area of flat roof between R18 and R19. These ducts will need to be removed to provide the same configuration as Temp. Ex. space (Gallery Room C).
- To the east end of the space, large ducts pass north-south into the roof void over Gallery 02. The exact configuration of these duct runs is not clear at this time.
- 1no. vertical riser is in the chamfered duct to the south-east corner of Gallery 01; it is assumed that a similar riser is present to the north-east corner.
- The original lay-light framing appears to remain in-situ (see photo 01).
- The modern suspended ceiling sits beneath the level of the original lay-lights.
- A new false ceiling will need to be provided within the roof void to mask any future M&E installation. The resulting void can be lit in the same way as Gallery C (see photo 06).
- Existing panels within the void can be repurposed to provide extract points from the Gallery (see photo 02).
- Dependent on the size of the required M&E installation, it may permit the retention of the existing roof configuration. The measured survey will be needed to ascertain this. Photo 05 shows the configuration over Gallery C – quite tight.
- One way of minimising the amount of kit required in these roof voids would be to look at providing the supply within extended skirting plinths, as in Gallery 06. These ducts could be served by the vertical risers in the corners of Gallery 01.

Roof Voids over Gallery 02

- Internal Ceiling/Roof Configuration matches that of Gallery 03 (see photo 06) – i.e. curved panelling separates the top of the cornice and the bottom of the lantern. See section.
- The air handling ducts are fed from the roof void over Gallery 01 and consists of three runs. One centrally (providing the supply?) and two flanking it to either side (extract?).
- There is an extensive walkway and modern steel installation which will need to be removed to reinstate

the configuration of this space. There is an opportunity to retain the area of the lower ceiling immediately adjacent to the east entrance into the Gallery to route supply air over and down to provide supply air at low level to the north of the space.

- To extract from the space, should original form of Gallery be reinstated, it will be necessary to draw the extracted air into the roof void below R19 – similar to the configuration in Gallery B (see photo 08). It is unclear at this time if it is feasible to pass extract through the structural concrete wall separating Gallery 01 and 02. See sketch.

Photo 01

Photo 02

Photo 03

Photo 04

Photo 05

Photo 06

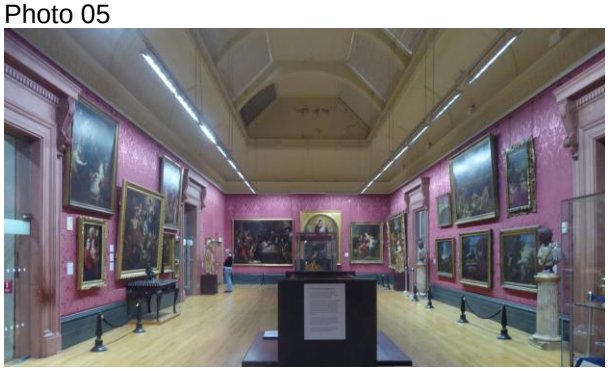
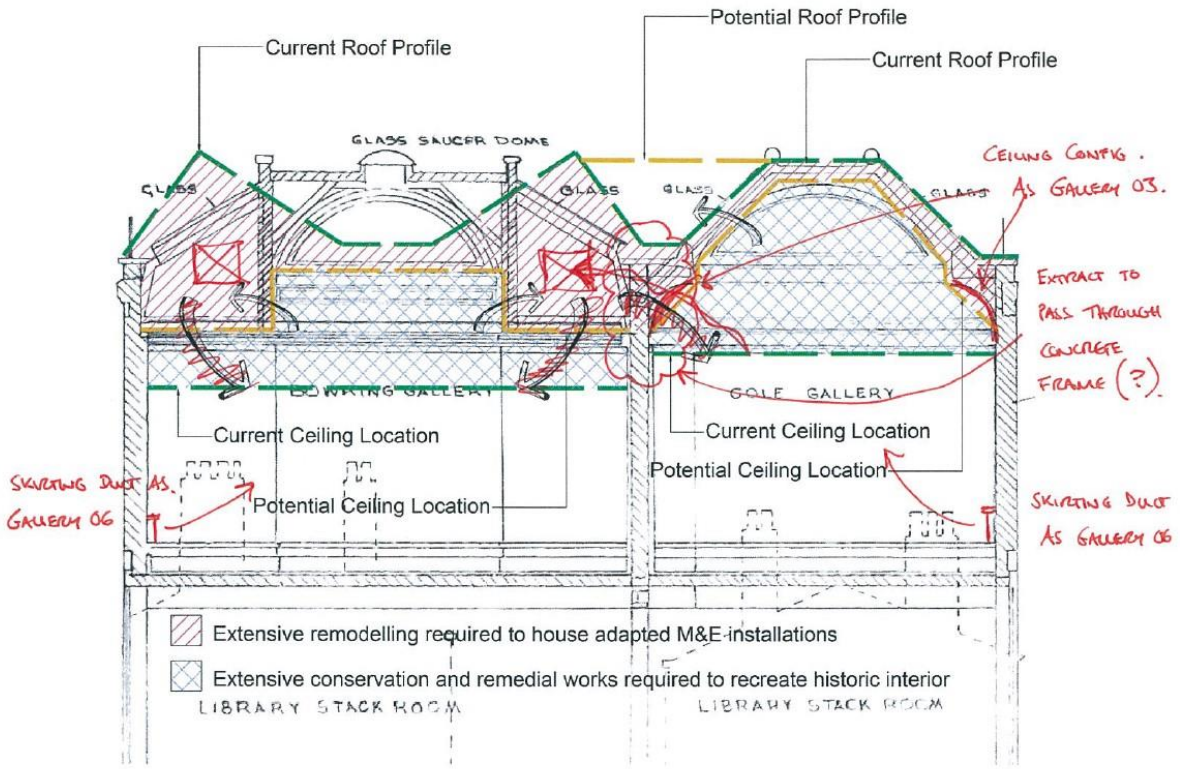


Photo 07

Photo 08



Arrows indicate potential air handling inlet and extract opportunities.