

Drawing Number	Drawing Name					Designer - Identified Risk	Designer - Proposed Action	Principal Designer Suggested Mitigations	Principal Contractor Response and Actions
		Design	Construction	Maintenance	Visiting				
Refer to GA 2500 series		Acoustics of Gallery space, particularly in relation to the Introduction Projection.				Risk associated with acoustic challenges of existing space	Testing on site with audio specialists required.		
		Ceiling structure of corridor to take weight of services and equipment, e.g. projectors, speakers, fire safety services and lighting.				Structural detail of ceiling to corridor.	Principal Contractor to liaise with IWM designer to ensure structure is suitable and safe and to feed back to designer with any need for adjustment. Liaise with FM on CCTV and Emergency Lighting		
		Shelf introduced at height to take weight of Projector and related equipment - Intro Area. Cabling required to trace to P&D infrastructure and Projection screen.				Structural detail mounted to wall with appropriate conduit. Height to be co-ordinated with graphics and projection screen format	Principal Contractor to liaise with IWM designer to ensure structure is suitable and safe. Liaise with FM on CCTV and Emergency Lighting		
		Consider access to services contained within corridor ceiling structure.				Risks when working at height.	Principal Contractor to provide suitable RAMS for and ensuring workers are trained for these tasks. Liaise with FM and AV on access solutions.		
		Gallery Floor rake to be considered in relation to install on site, e.g. scribing details that will be required to architecture and furniture, install of graphics.				Rake of floor of existing gallery space. All structural elements, joinery and graphics to be level on opening of exhibition.	Principal Contractor to liaise with IWM designer to ensure necessary details are engineered in to design to accommodate floor at rake and efficient install. PC to also ensure that all graphics installations, especially text, is level and correctly aligned.		
		No fixing to gallery floor, ensure vertical element, e.g. Intersecting Flats are braced back to architecture and furniture where applicable.				Stability of walls both during construction phase and once exhibition is open.	Principal Contractor to ensure structure and bracing case carcass and glass support is suitable to enable required stability and safety and to feed back to designer any need for adjustment.		
		Power and Data infrastructure and feed length within corridor.				Ensure adequate power and feed length to corridor structure and elements with out structure.	Principal Contractor to notify IWM designer and client of any potential problems with proposed design and adapt construction details where necessary.		
Refer to 2502, 3510, 3513		Heavy objects on open display				Suitable structure to accommodate concentration of heavy objects within plinth (SE 2.2-1, 2.2-2) & set within wall (SE 4.1-1), Paintings on East wall.	Opportunity for weight to be distributed by fixing to plinth base, wall and roof of Corridor structure. Principal Contractor to liaise with IWM and designer on construction details to meet conservation and security requirements		
Refer to 1800, 3201		Heavy objects on open display - Paintings on East wall.				Suitable structure to accommodate concentration of paintings mounted double height.	Principle Contractor to propose suitable fixings to be agreed with Collections and Display Management. Fixing for artwork to be advised by Conservations/ Install team.		
Refer to 2502, 3510, 3513		Open display objects touching distances				Heavy objects within plinth (SE 2.2-1, 2.2-2) & set within wall (SE 4.1-1).	Layouts of objects on open display to be approved by Collections and Display Management.		
		Open display of Joey on Loan from V&A				Install and orientation in relation to aluminium wall and corridor structure, visitor circulation.	Principal Contractor to liaise with IWM designer and client to identify any potential problems with proposed design and adapt design where necessary.		
Refer to 2502, 3510, 3511		Fins cut into wall of corridor				Gaps to be set to avoiding trapping.	Principal Contractor to liaise with IWM designer to ensure structure is safe and mitigate risk.		
Refer to 2502, 3515		Stairs set in to side of corridor structure				Consider trip hazard or risk of falling from steps.	Principal Contractor to liaise with IWM designer to ensure structure is safe, slip resistant finish to steps, agree suitable riser height, orientation of set elements to mitigate risk.		
Refer to 2520		Graphic install				Install at suitable time to ensure all relevant surfaces are smooth, dry and dust free.	Principal Contractor to liaise with IWM and designer on construction details to meet conservation and security requirements		
Refer to 2520		Working at height				Graphic install working at height, painting walls. Lighting install.	Principal Contractor to provide suitable RAMS for and ensuring workers are trained for these tasks. Production and Delivery to be consulted.		
Refer to 2501		Integrated Showcases: Large pieces of glass to be adequately supported, especially when case is open				Suitable framing and central support needed. Suitable draw hardware needed.	Principal Contractor to ensure structure and bracing case carcass and glass support is suitable to enable required stability and safety and to feed back to designer any need for adjustment.		
		New case designed to suite in with existing showcases				Size and weight of glass could present handling risks	Principal Contractor to provide suitable RAMS for task and ensuring workers are trained for these tasks.		
		Security and air exchange considerations				Risk of cases not performing to required standards	Principal Contractor to liaise with IWM and designer on construction details to meet conservation and security requirements		

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		Lighting installation and adjustment on-site				Working at height to adjust existing track, falling equipment.	Principal Contractor to ensure operatives including FM and Lighting have undergone specialist training as required.		
		Reused Click Netherfield showcases raised on structure and set behind opening in walls				Handling and installation risk both to the operatives and the cases themselves, especially raising up onto supporting frame.	Principal Contractor to provide suitable RAMS for task and ensuring workers are trained for these tasks.		
		AV Hardware to be integrated in to central structure and freestanding showcases				Ensure these are secure, suitable access for maintenance and have adequate ventilation.	Principal Contractor to notify designer and client of any potential problems with proposed design and adapt construction details where necessary		

The DRS has been produced by IWM in accordance with the Principals of Prevention and a proportionate level of risk in mind.