

Design Risk Assessment

						Page 1 of 2				
Project: INVER COLLEGE – SCIENCE ROOMS REFURBISHMENT					Project Number:		1897			
Design Risk Assessment Stage:		Existing Site Features		Construction	x	Review:	Review Stage:	Date:	Compiled by:	Approved by:
		Use/Maintenance		Demolition			Design	18/8/26	CB	CB
Item:	Activity / Feature:	Hazard	Design Action to reduce Significant Risk:	Additional Information for the Contractor and Others on Significant Residual Risk						
	Lifting of Plant to fix into place	Injury	Restrict size/weight of individual items of plant to allow ease of handling	No very large items have been specified and all can be easily handled given site restrictions.						
	Hot Works	Fire/Injury	Reduce hot works to a minimum, consider prefabrication of key elements or zero heat systems such as mapress or other compression coupling system	Largest pipe size is 50mm in main building and all iron pipework can be screwed. Larger pipework only in plant room where hot works is not an issue Pre tender H&S plan to prohibit all hot works. Detailed method statements required from contractor						
	Live Working (Mechanical & Electrical Services)	Impacts on adjacent areas Risk of burns to other operatives & adjacent	Live working of heating services to be maintained in working area. Risk of scalding from hot pipework in works area. Services	Detailed method statements required. Impacts on adjacent users to be specifically addressed as well as						

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		users	must be properly isolated & redundant sections removed. No live working of electrical services permitted	maintaining services
	Forming of Openings	Injury	Use of PPE and dust suppression techniques. Openings to be formed in external walls & roofs. Works to be carried out to minimise nuisance to adjacent areas	Detailed method statements required
	Coordination of trades	Injury, Falls	Process works to be executed in conjunction with building services works. Risk of injury from lack of coordination between trades	Method of coordination/phasing required Coordinated drawings to be produced by contractors in conjunction with detailed phasing plan
	Working at heights	Injury, Falls	Pipework & electrical distribution at high level, however building is single storey to mitigate risk. Particular attention to be given to PV installation on existing roof & works in area of lift shaft	Detailed method statements required for installation of PV equipment & lift shaft area works
	Gas Services	Explosion, Injury	Works to be carried out to existing & new gas installation. Works only to be carried out by certified personnel in strict accordance with regulations	Method statements required for working with gas installations & trenching