

Designers Risk Assessment

Cassidy+
Ashton

C+A

Project: Manchester Technology Centre – MSA Decant

Project Number: 11264

Client: Manchester Metropolitan University

Principal Designers: Turner & Townsend

Other Designers: CPW (Mechanical & Electrical), Curtins (Structure), Hoare Lea (Fire Consultant & Acoustician)

Document Title: 11264-CAA-05-XX-RA-A-010002

Revision: P1

Document Change Control

Date	Revision	Person Making Change	Details of Change made
09.02.2022	P1	S Barlow	First Issue / Tender Issue

The table below indicates the general risks that have been identified on this Project but are listed to assist a competent contractor in respect of the normal risks they would expect to find on a typical construction site of this nature. The Significant and Unusual risks which will require particular management together with significant design decisions affecting the project are illustrated in the table/s overleaf.

General Hazards	Y/N	General Hazards	Y/N
Movements of Vehicles	N	COSHH	Y
Interface with Building Users	N	Mechanical Risks	Y
Interface with General Public	Y	Work Equipment	Y
Electrocution	Y	Electrical Hazards	Y
Falls from heights	Y		
Slips/Trips	Y		
Fire Hazards	Y		
Noise Hazards	Y		
Chemical and Biological Hazards	N		
Heat and Radiation Hazards	N		
Excavation Hazards	N		
Lifting Operations/Equipment Hazards	Y		
Manual Handling	Y		

Designers Risk Assessment

The following table identifies significant or unusual risks that a competent contractor can not be expected to know about or those that are common but difficult to manage on this contract.

Ref No.	Risk Description	Mitigation Controls/Comments	Ownership	Future Action	Status
1	Building Construction				
1.1	Site clearance	Restricted contractor compound. Consider logistics plan. Compound to be advised by client and landlord	Contractor		
1.2	Buried services	Undertake necessary services scans to confirm legacy services and CAT scans before undertaking fibre upgrades under Mancunian way	Contractor		
1.3	Traffic movements to/from/around the site	Site adjacent to public highway and the building is leased to third party users on the ground and 1 st floors. Site accessed off and surrounded by busy highways. Vertical access to the works to be agreed with the client and landlord.	Contractor		
1.4	Temporary facilities to build (support, stability, protection)	Contractor/sub-contractor to detail and review construction methods. Noting any roof adaptations and access limitations. Access to high level areas such as the Holden Gallery and the void spaces above.	Contractor / SE		
1.5	Adjacent Structures (do they interfere)	Note adjacent building users. Civils works are within proximity to a busy highway and overhead highway.	Contractor		
1.6	Size/shape/weight of components & positioning	Roof adaptations and MEP equipment. Note installation of services, to the ceilings and quantity of baffles required.	Contractor		
1.7	hazardous materials specified	None. Note Asbestos register and R&D Survey to be undertaken.	Contractor		
1.8	Work at height.	Consideration to height of walls to u/s of structural soffits circa 3900mm	Contractor		
1.9	Deleterious materials (asbestos) present	Asbestos to be removed by the University and R&D Survey to be provided. Note potential awareness for remaining asbestos. See R&D register provided by landlord.	MMU / Contractor		
1.10	Deleterious materials (anthrax) present	None anticipated. Building constructed during the 1970s – Contractor awareness. Adopt HSE model to 'Assess, Review and Control'	Contractor		
1.11	Construction loading on existing floor	Protect existing and retained finishes. Ensure construction loading is contained to the building limits advised by the SE.	Contractor / SE		

Ref No.	Risk Description	Mitigation Controls/Comments	Ownership	Future Action	Status
1.12	Historic Bomb Damage	N/A. Building constructed in the 1970s	Contractor / SE		
2	Design				
2.1	Equipment at high level	Consideration for construction of full height walls (circa 3900mm). Ensure suitable safe access provision provided when working at high level.	Architect / Contractor		
2.2	Stair Enclosure widening	Required to provide storey exit capacities on stair enclosures (assumed concrete). Design and testing by SE	Architect / SE / Contractor		
2.3	Wall & Floor fixings/finishes	Contractor to be aware of existing asbestos strategy noting asbestos material boards around window openings and floor adhesives. R&D survey to capture	Contractor / R&D Survey		
2.4	Removal, re-use and re-allocation of glass partition	Re-use of existing glazed partition from 3 rd floor to 2 nd floor and any amendments to partition opening to facilitate. Ensure safe removal, storage and redistribution. Ensure suitable mechanical fixings into new substrate in accordance with manufacturers recommendations.	Architect / Contractor		
2.5	Roof access	Roof works outside of scope. Ensure suitable protection is available for any roof adaptations/MEP.	Architect		
2.6	Window Restrictors	No works proposed to existing window openings (sliders). MMU to agree to existing provision or install restrictors. To be agreed by MMU for inclusion within the contract.	University		
2.7	Fire Risk Assessment	A Fire Risk Assessment was instructed in 2018 by Bruntwood and produced by Assurity Consulting. Issue Date 02/11/2018 V2. Bruntwood to confirm that the works/actions identified were carried out and if a further independent review was undertaken following this.	MMU / Bruntwood		
3	Future Maintenance				
3.1	Make provisions for safe maintenance access;	Access to high level for maintenance by ladders in accordance with HSE guidelines or through erected scaffold tower if higher.	Architect / Client		
3.2	Consider materials harmful to health	No hazardous or deleterious materials to be specified.	ALL		
4	Demolition				
4.1	Stair Enclosure widening	Required to provide storey exit capacities on stair enclosures (assumed concrete). Design and testing by SE	Architect / SE / Contractor		

List of key decisions made during the design process which relate to or affects Health & Safety:

- R&D Survey instructed
- Design consideration for stair enclosure widening

General Comments: