

Designer Risk Register



Register reference OA-HS-REG-001

Project Kings Cross Station - Harry Potter Shop Extension

Job number 285805

Package/ topic Extract of Risk Register showing risks relevant to Wall A

Design stage Detailed Design

Remember: Avoid – Reduce – Control and communicate relevant information to others

Reference	Date (+ initials)	Area/location of risk exposure	Description of hazard and risk exposure	Mitigation of risk (potential or achieved)	A	R	C	Further action	By	Status
										Active/closed
OA-03	12/07/2022 CN	Survey Works	Presence of asbestos	Constructor to consult with NR to obtain records of previous asbestos surveys and removal work has been carried out. If no asbestos is anticipated, contractor to remain aware for the presence of unexpected asbestos.			x	NR to provide asbestos records to contactor, Contractor to prepare a suitable method statement	NR	Closed (Surveys have been carried out)
OA-04	12/07/2022 CN	Wall A – Survey Works	Risks associated with drilling into a masonry wall. Including: Hand arm vibration from drilling	Specification of minimum survey works necessary Suitable method statement Use of suitable tool and method		x	x	Contractor to prepare suitable method statement	NR/Contractor	Closed (Surveys have been carried out)
OA-05	12/07/2022 CN	Wall A	Temporary instability during formation of new opening	Arup to prefer designs for forming new opening which avoid this issue, e.g. cutting opening to the soffit of existing RC beam to avoid installing a new lintel. If this is not possible, sequence to be clearly communicated and any temporary works		x	x	Arup to prepare detailed design information flagging any temporary works requirements.	Arup	Active

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				requirements clearly flagged.						
OA-06	12/07/2022 CN	Wall A	Risk of the uncovered existing masonry found to be in poor condition, this could lead to failure of the wall when the opening is formed.	Contractor should assess the condition of the bricks prior to commencing work to ensure they are satisfied the existing structure is sound.			x	Contractor should assess the condition of the bricks prior to commencing work to ensure they are satisfied the existing structure is sound	NR/Contractor	Active
OA-07	12/07/2022 CN	Wall A	Dust during formation of new opening	Specification of minimum survey works necessary. Suitable method statement. Use of appropriate dust extraction equipment.			x	Contractor to prepare suitable method statement	NR/Contractor	Active
OA-08	12/07/2022 CN	All	Risk of falling	Provision of a safe working area. Access platforms to be preferred over ladders.		x		Contractor to prepare suitable method statement	NR/Contractor	Active
OA-09	12/07/2022 CN	All	Presence of vermin	Contractor to prepare suitable method statement			x	Contractor to prepare suitable method statement	NR/Contractor	Active

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OA-10	12/07/2022 CN	Survey Works	Unknown objects found inside wall, e.g. sharps	Specification of minimum survey works. Contractor to prepare a suitable method statement, including ensuring that any openings that are made are large enough to allow unknown objects can be seen.			x	Contractor to prepare suitable method statement	NR/Contractor	Active
OA-11	15/12/2022 KF	Wall A	Soffit beam damage from opening up works, leading to damage to structural elements supporting the first floor walkway.	The opening up works should be carried to the soffit of the concrete beam and no further. If damage is made, make good of the beam.			x	Contractor to prepare suitable method statement	NR/Contractor	Active
OA-12	15/12/2022 KF	Wall A	Damaged masonry as directly adjacent to new opening.	Any damaged brick either side of the new opening should be made good.			x	Contractor to prepare suitable method statement	NR/Contractor	Active
OA-13	15/12/2022 KF	Wall A	Removal of the return walls at basement and ground level. The assessment carried out by Arup show that these return walls are required to remain in place to ensure that Wall A remains stable.	No damage or attempt to demolish these walls should be made.	x			NR to contact Arup if any damage is made to this basement return wall.	NR/Contractor	Active

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OA-14	15/12/2022 KF	Wall A	Opening is not correct shape as analysed (i.e., wall opening not vertical).	Contractor to use vertical guide to ensure vertical construction.		x		Contractor to prepare suitable method statement	NR/Contractor	Active
OA-15	15/12/2022 KF Revised 10/08/2023 CD	Wall A	Opening location is not the same location defined in the analysis.	Arup have provided setting out rules in relation to wall staff room side and allowed 100mm tolerance for this. Arup have also specified 1.1m opening which allows for 50mm tolerance either side including a 25mm shift allowance for tidy brick edges.		x		Contractor to check setting out of openings using "Check Dimension" of central masonry column. If check dimension outside of specified range, engineer to be consulted before works commence. If maximum dimensions are exceeded further Arup analysis will be required with resubmission. In addition, Wall A will be required to be integrally in-filled and a new opening cut.	Contractor	Active
OA-16	15/12/2022 KF	Wall A	Dry cutting masonry wall for the opening up work could damage brickwork	Mandatory to use diamond tip saw		x	x	Contractor to prepare suitable method statement	NR/Contractor	Active

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OA-17	15/12/2022 KF	Wall A	Dust due to formation of opening	Use of appropriate dust extraction equipment and wearing respirator mask.	x		x	Contractor to prepare suitable method statement	NR/Con tractor	Active
OA-18	15/12/2022 KF	Wall A	Overheating of diamond tip saw	Work in short shallow cutting passes with cooling time in between.	x		x	Contractor to prepare suitable method statement	NR/Con tractor	Active