Section: A P	roject: New Hydrotherapy Pool		Section: General	Rev:	
Item:	Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:	
Location & Site Access	Existing school is in a residential area Contractor's access into the site is via existing entry and exit vehicula access points from Ripon Avenue. Access to the site is across a public footpath route, risk of collision with	A .	No adjacent premises area affected. PC to ensure roads/footpaths are kept clear of debris and mud PC to erect advanced warning signs for drivers e.g. 'Caution Site Traffic Turning' PC to adequately sign site for deliveries and provide barriered unloading area.	Low Low	
Existing usage of site	other vehicles/ pedestrians. Disruption to existing environment		PC to ensure that all access points into the school grounds are kept clear at all times for staff vehicles & school deliveries	Low	
	Disruption to school parking	A PC OTH	School parking to be maintained throughout the works with the exception of the school holidays. PC to ensure that all access points into the school grounds are kept clear at all times for emergency and staff vehicles.	Low	
	Disruption to existing school working environment	7	Access to the existing building is to be agreed with the school . PC to provide detailed programme of works. Certain works to be carried out in school holiday periods only in agreement with all other relevant parties.	Low Disruption to existing schoo working environment / PC programme.	
Deliveries	Risk of collision with other vehicles/ pedestrians.	A PC OTH	PC to ensure adequate scheduling of deliveries, by ensuring that deliveries to the site are kept outside of the schools primary activity times, which is 8-9.15am, 12-2pm, 3-4pm. PC to provide this information to suppliers & details on how to proceed to site area. PC to avoid deliveries at peak traffic periods. PC to ensure use of PPE	Low	
Emergency vehicle acces	s Risk of accident on site or Ripon Avenue requiring emergency services	A PC OTH	PC to ensure that all access points into the school grounds are kept clear at all times for emergency. PC to keep road clear at all times. PC to ensure access to telephone available	Low	
Site Compound / Security	Site compound area located within school grounds risk of trespass vandalism and theft leading to injury to others.	, PC	Site compound area enclosed with 2.4m high fencing. Site security to be maintained during works. PC to take all reasonable steps to mitigate likelihood of break-in. Out-of-hours security maybe required.	Risk of trespass, vandalism and theft leading to injury to others.	

V			V	
	No details of PC site compound layout		 PC to ensure materials in stable and safe manner. Remove ladders from scaffold at night or lock on upper lifts. PC to erect advanced warning signs for drivers e.g. 'Caution Site Traffic Turning' PC to adequately sign site for deliveries and provide barriered unloading area. PC to provide details of site compound layout to show access routes and areas for unloading, 	Low Low
			cabins, welfare etc.	
Fire safety/ evacuations	Risk of people not knowing location of temporary fire exits, routes & safe areas during construction period.	A PC OTH	PC /school to ensure all aware of new fire exit routes. School must carry out fire alarm / evacuation testing during early construction. Inform the fire brigade & seek advice. PC to provide safe route including suitable protection & signage.	Low
Movement of Operatives	Risk of injury to operatives moving	Α	PC to keep clear access routes all times.	Low
Novement of Operatives	around the site & in the partially completed extension.	PC OTH	PC to 'red-tape' scaffold standards. PC to ensure use of PPE	LOW
Movement of Pedestrians	Risk of injury to passing pedestrians.	A PC OTH	PC to erect barriers and signs diverting pedestrians around hazard, where required. PC to ensure that all operatives have a high awareness of children playing in the existing play areas, adjacent to the works	Low
Location of temporary power cables.	Risk of electrocution if run over/cut/abused - also trip hazard. Risk of electrocution if power tools faulty.	A PC SE OTH	PC to use 110V or 240V for short periods only with RCD trip. PC to route cables away from trafficked areas and tie back as necessary. PC to ensure all power tools serviced and in sound working order.	Low
Welfare	Risk of illness or accident.	A PC OTH	PC to ensure adequate facilities for contractor's staff & Client representatives in accordance with existing regulations within context of toilet and cabin accommodation provided. Use PPE and refer to COSHH Regulations & HSE guidelines	Low
COSHH - rated materials	Risk of injury by contact/inhalation/spillage	A PC	PC to ensure all COSHH and Hazpak information is available on site and all operatives aware of COSHH implications.	Low
Location of underground services / drainage	Risk of electrocution/gas explosion Risk of hitting water main.	A PC ST SE OTH	PC to ensure use of CAT detector and undertaker's plans to highlight on the ground any buried cables/pipes. PC to call out undertakers if uncertain of nature of cable/pipe.	Low

Key: A = Architect

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	Live services will be maintained to existing occupied buildings		Refer to SE.	Risk of water damage, electrocution / gas explosion
	Existing drainage runs located in areas of construction		Survey carried out	Low
Site organisation and storage	Risk of misuse of equipment/materials and dangerous stacking/storage.	A PC	Demarcation of site area. PC to ensure storage/handling implications of incoming deliveries can be reasonably dealt with by site staff. PC to physically contain site within barriers and sign accordingly. PC to ensure all materials are stored to avoid collapse/overturning/overspill onto highway or footpath.	Low
Ground conditions	Risk of unknown ground conditions, water table, contaminated land.	A PC ST	Site survey commissioned & report received. Topographical survey has been carried out	Low
Cranes	Uneven ground Risk of injury to operatives moving around the site & in the partially completed extensions.	A PC	Crane to be located in an agreed defined area taking account of existing and new services and topography. The area to be suitably marked and cordoned off. The crane shall be fully maintained, checked and certified at regular intervals. All slings to be securely fixed, worn slings must not be used. Safe working loads must be clearly stated. PC shall provide a method statement for carnage work.	Low

Section: B Project: New Hydrotherapy Pool		Section: Site-wide Elements	Rev:	
Item:	Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:
Construction of new build	Adjacent to occupied existing school areas	A PC SE ST OTH	Existing school entrance/exit from classrooms and access to gym have to be closed due to construction of new building PC to provide detailed programme of works. PC to ensure practical measures taken to control noise/dust etc at source. New build area enclosed with 2.4m high fencing & protection to existing buildings as required. PC to ensure that all access/egress points into the school are kept clear at all times. PC to provide safe route including suitable protection & signage.	School & other relevant parties to assess throughout project.
Demolition of existing Changing Rooms, Sensory Room, Drama Studio, Hydrotherapy Unit & detached Garage	Disruption to existing school working environment	A PC SE ST OTH	Existing temporary classroom block and garages to be vacated and emptied into existing school building prior to demolition of their building. Access to the existing building is to be agreed with the school. PC to provide detailed programme of works. Certain works to be carried out in school holiday periods only in agreement with all other relevant parties. PC to ensure that all access/egress points into the school are kept clear at all times. PC to provide safe route including suitable protection & signage. PC to ensure practical measures taken to control noise/dust etc at source.	School & other relevant parties to assess throughout project.
Dust	Risk of inhalation	A PC	PC to manage work for access into and in existing occupied building to minimise dust. Method statements to be provided by PC for temporary screens dust extraction units etc. Use PPE and refer to COSHH Regulations & HSE guidelines	Low
Noise pollution	noise risk to operatives & school users.	A PC ST	PC to ensure practical measures taken to control noise at source. PC to ensure ear protection is available and worn by operatives/visitors when appropriate. Use PPE and refer to COSHH Regulations & HSE guidelines	Low
Lifting Operations Key: A = Architect ST =	Risk of falling materials/plant.	A PC ST OTH = Services Engine	PC to ensure all cranes/hoists/gin wheels/ropes/slings certified and serviced. PC to ensure site designated hard hat/boot area. Use PPE and refer to HSE guidelines eer PC = Principal Contractor OT	Low

Designers Risk Assessment for 17301 Elms Bank Specialist Arts College Feb 2018 Pollution/Contamination and PC to ensure COSHH documentation readily Contamination of drains/watercourses Low Waste Disposal available for disposal of waste products. Do not & fly tipping. Α use gullies/drains. PC PC to utilise only licensed waste carriers and ensure receipts for tipped loads checked and retained on site. Risk of Injury caused by fall. PC to ensure proper access equipment/scaffold Low Falls from heights Α PC available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Any scaffold/ladder not to be used to be prominently marked as such. Use PPE and refer to HSE guidelines

used

Α

PC

SE

Risk of Injury caused by inadequate

lighting.

Lighting

PC to ensure appropriate lighting equipment is

Low

Section: C Proje	Section: C Project: New Hydrotherapy Pool		Section: Demolition /Soft-strip	Rev:
Item:	Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:
Demolition of existing Changin, Rooms, Sensory Room, Drama Studio, Hydrotherapy Unit & detached Garage	g Disruption to existing school working	A PC SE ST OTH	 Existing temporary classroom block and garages to be vacated and emptied into existing school building prior to demolition of their building. Access to the existing building is to be agreed with the school. PC to provide detailed programme of works. Certain works to be carried out in school holiday periods only in agreement with all other relevant parties. PC to ensure that all access/egress points into the school are kept clear at all times. PC to provide safe route including suitable protection & signage. PC to ensure practical measures taken to control noise/dust etc at source. Method Statement prepared before commencing any work. PC to erect barriers and signs diverting pedestrians around hazard, where required. Area enclosed with 2.4m high fencing & protection. Use PPE and refer to HSE guidelines 	School & other relevant parties to assess throughout project.
Asbestos	Asbestos -long term health risk	А РС ОТН	Commissioned specialist survey (Type 3) to determine presence of asbestos before commencement of works and remove and dispose of any contamination by specialist company. Refer to Type 3 survey sampling, identification and assessment survey Use PPE and refer to COSHH Regulations & HSE guidelines	Low
Dust	Risk of inhalation	A PC	PC to manage work for access into and in existing occupied building to minimise dust. Method statements to be provided by PC for temporary screens dust extraction units etc. Use PPE and refer to COSHH Regulations & HSE guidelines	Low
Location of existing services / drainage in areas to be demolished	Risk of electrocution/gas explosion Risk of flooding.	A PC ST	PC to ensure use of CAT detector and undertaker's plans to highlight on the ground any buried cables/pipes. PC to call out undertakers if uncertain of nature of cable/pipe.	Low
	Live services will be maintained to	SE	Refer to SE.	Risk of water damage,

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	existing occupied building	ОТН	Refer to drawings obtained.	electrocution / gas explosion
Bats	Risk of disturbance of nests Delay to programme	A	Commissioned specialist survey	Low

Section: D Project:	New Hydrotherapy Pool		Section: Substructure	Rev:	
Item:	Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:	
Location of underground services / drainage	Risk of electrocution/gas explosion Risk of hitting water main.	A PC ST	PC to ensure use of CAT detector and undertaker's plans to highlight overground any buried cables/pipes. PC to call out undertakers if uncertain of nature of cable/pipe.	Low	
	Live services will be maintained to existing occupied building	SE OTH	Refer to SE.	Risk of water damage, electrocution / gas explosion	
	Existing drainage runs located in areas of construction		Survey commissioned & report received.	Low	
Ground conditions	Risk of unknown ground conditions, water table, contaminated land.	A PC ST	ST have commissioned site survey & report received. Topographical survey has been carried out.	Low	
Excavations – general	Use of excavation equipment is unavoidable.		PC to keep depth of excavations to a minimum.	Low	
	Risk of collapse of trench sides Risk of falls into excavations by operatives	A PC ST	PC to ensure suitable batter or support any excavation over 1.2 m, temporary edge protection and barrier/cover when unattended. Operatives to ware high visibility vests	Low	
	Flooding and Instability Materials falling onto operatives in trenches		Provide adequate mechanical pumps to discharge safely on designated area Do not store spoil or other materials close by. Use PPE and refer to COSHH Regulations & HSE guidelines	Low	
In-situ concrete	Handling	PC ST	Refer to ST risk assessment Use PPE and refer to COSHH Regulations & HSE guidelines	Refer to ST risk assessment	
Brickwork/ blockwork (general)	Manual handling weight of materials Repetitive handling -risk of upper limb disorders	A PC ST	Use PPE and refer to COSHH Regulations & HSE guidelines Weight not to exceed 20 kg per brick	Low	
Cement mortar (general)	Skin contact Inhalation of dust	A PC ST	Use PPE and refer to COSHH Regulations & HSE guidelines	Low	
	Manual / repetitive handling - risk of injury				

Section: E Project: New Hydrotherapy Pool			Section: Superstructure	Rev:	
Item:	Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:	
Structural steel	Refer to ST	A PC ST	Refer to ST risk assessment Use PPE and refer to HSE guidelines	Refer to ST risk assessment	
Block & beam floor	Refer to ST risk assessment	A PC ST	Refer to ST risk assessment Use PPE and refer to COSHH Regulations & HSE guidelines	Refer to ST risk assessment	
Brickwork / blockwork (ge			Use PPE and refer to COSHH Regulations & HSE guidelines	Low	
	Repetitive handling -risk of upper lind disorders	nb	Weight not to exceed 20 kg per brick / block	Low	
	Risk of Injury caused by falling from height	A PC ST	PC to ensure proper access equipment/scaffold available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Any scaffold/ladder not to be used to be prominently marked as such.	Low	
Cement mortar (general)	Skin contact / inhalation of dust	A PC ST	Use PPE and refer to COSHH Regulations & HSE guidelines	Low	
	Manual / repetitive handling - risk of injury	r I	Weight not to exceed 25 kg	Low	
	Risk of Injury caused by falling from height		PC to ensure proper access equipment/scaffold available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Any scaffold/ladder not to be used to be prominently marked as such.	Low	
Windows (general)	Aluminium frames - Manual handling weight of materials - risk of injury Manoeuvring into position impact blows	g A PC	Items to be mechanically transported and lifted Restrictors (100mm) on opening lights Window poles / electronic opening at H/L. PC to ensure proper access equipment/scaffold	Low	
			available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of	Low	

Designers Risk As	Feb 2018			
	Cleaning Breakage		practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Any scaffold/ladder not to be used to be prominently marked as such. Use PPE and refer to HSE guidelines	Low
Metal roof sheet decking	Manual handling weight of materials - risk of injury Manoeuvring into position impact blows Risk of Injury caused by falling from height (installers) Aluminium gutters and downpipes	A PC	Items to be mechanically transported and lifted PC to ensure proper access equipment/scaffold available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Any scaffold/ladder not to be used to be prominently marked as such. Fall / arrest system specified Use PPE and refer to COSHH Regulations & HSE guidelines	Low Low Low
Plant Room	Risk of electrocution/gas explosion Location - Size - Access - Headroom	A SE PC	Refer to SE risk assessment Use PPE and refer to COSHH Regulations & HSE guidelines	Refer to SE risk assessment Low

Section: F Project: New Hydrotherapy Pool		Section: Internal Works	Rev:	
Item:	Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:
Plasterboard (general)	Manual handling weight of materials - risk of injury Risk of Injury caused by falling from height (installers)	A PC	 Weight not to exceed 20kg Use PPE and refer to COSHH Regulations & HSE guidelines Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Any scaffold/ladder not to be used to be prominently marked as such. 	Low
Plaster finish (general)	Manual handling weight of materials - risk of injury Risk of injury by contact / inhalation /spillage Risk of Injury caused by falling from height (installers)	A PC	Weight not to exceed 20 kgUse PPE and refer to COSHH Regulations & HSE guidelinesAccess plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Any scaffold/ladder not to be used to be prominently marked as such.	Low
Suspended ceiling (general)	Manual handling weight of materials - risk of injury Risk of Injury caused by falling from height (installers)	A PC	Weight not to exceed 20 kgUse PPE and refer to COSHH Regulations & HSE guidelinesAccess plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Any scaffold/ladder not to be used to be prominently marked as such.	Low Low
Internal doors (general)	Manual handling weight of materials - risk of injury	A PC	Use PPE and refer to COSHH Regulations & HSE guidelines	Low

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Painting / varnish (general)	Risk of injury by contact / inhalation		Use PPE and refer to COSHH Regulations &	Low	
Floor screeds (general) Flooring (general)	/spillage	PC	HSE guidelines		
	Risk of Injury caused by falling from height		Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Any scaffold/ladder not to be used to be prominently marked as such.		

Section: G	Project:	New Hydrotherapy Pool		Section: Mechanical Services	Rev:
Item:		Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:
See Separate Risk Ass	sessment				

Section: H Pre	oject: N	New Hydrotherapy Pool		Section: Electrical Services	Rev:
Item:		Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:
See Separate Risk Assessment					

Section: J Project: New Hydrotherapy Pool			Section: External Works	Rev:	
Item:	Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:	
Kerb laying	Manual handling weight of materials - risk of injury	A	To be mechanically transported and lifted PC to ensure all cranes/hoists/gin wheels/ropes/slings certified and serviced.	Low	
	Risk of collision with pedestrians.	PC	Use PPE and refer to HSE guidelines PC to erect barriers and signs diverting pedestrians around hazard, where required.		
Concrete pavers	Manual handling weight of materials - risk of injury		To be mechanically transported and lifted PC to ensure all cranes/hoists/gin wheels/ropes/slings certified and serviced.	Low	
		A PC	Use PPE and refer to HSE guidelines		
	Risk of collision with pedestrians.		PC to erect barriers and signs diverting pedestrians around hazard, where required.		
Balustrades / railings	Manual handling weight of materials - risk of injury	A PC	To be mechanically transported and lifted PC to ensure all cranes/hoists/gin wheels/ropes/slings certified and serviced.	Low	
	Handling & installation -manoeuvring into position impact blows Risk of collision with pedestrians.		Use PPE and refer to HSE guidelines PC to erect barriers and signs diverting pedestrians around hazard, where required.		
Macadam	Injuries caused due to inhalation, ingestion or absorption of hazardous substances and/or materials	A PC	Use PPE and refer to HSE guidelines Plant to be certified and properly serviced & operators to be skilled & trained.	Low	
	Risk of collision with pedestrians.		PC to erect barriers and signs diverting pedestrians around hazard, where required.		

Section: K	Project:	New Hydrotherapy Pool		Section: Test & Commissioning	Rev:
Item:		Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:
See Separate Risk Assessment					

Section: L	Project:	New Scape Building & Links		Section: Maintenance	Rev:
Item:		Identified Hazard:	Assess by:	Actions taken to eliminate/reduce:	Residual risk:
	CLEAN	ING & MAINTENANCE REGIME	TO BE DEVE	LOPED AS PART OF HEALTH and SAFE	TY FILE
Cleaning and rederexternal wall finishes	coration of	Risk of falling Risk of falling equipment	A	Cleaning/ maintenance Contractor to provide a safe working method statement. Cleaning/ maintenance Contractor to ensure proper access equipment/scaffold available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals.	Access for maintenance to be developed. Health & safety file to be compiled.
		Risk of injury to building users.		Use PPE and refer to HSE guidelines Erect barriers and signs diverting pedestrians around hazard.	
Cleaning of glazed ele	ments	Risk of falling Risk of breakages Fisk of falling equipment	A	Cleaning/ maintenance Contractor to provide a safe working method statement. Cleaning/ maintenance Contractor to ensure proper access equipment/scaffold available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals.	Access for maintenance to be developed. Health & safety file to be compiled.
		Risk of injury to building users.		Use PPE and refer to HSE guidelines Erect barriers and signs diverting pedestrians around hazard.	
Replacement of broke	n glass	Risk of falling Risk of cuts and lacerations during deliver/fixing Risk of falling equipment	A	Cleaning/ maintenance Contractor to provide a safe working method statement. Cleaning/ maintenance Contractor to ensure proper access equipment/scaffold available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of	Access for maintenance to be developed. Health & safety file to be compiled.

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			practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Use PPE and refer to HSE guidelines Erect barriers and signs diverting pedestrians around hazard.	
Cleaning of gutters	Risk of falling Risk of falling equipment	A	Cleaning/ maintenance Contractor to provide a safe working method statement. Cleaning/ maintenance Contractor to ensure proper access equipment/scaffold available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Use PPE and refer to HSE guidelines Erect barriers and signs diverting pedestrians around hazard.	compiled.
Replacement of luminaries	Risk of falling Risk of cuts and lacerations Risk of falling equipment	SE	Cleaning/ maintenance Contractor to provide a safe working method statement. Cleaning/ maintenance Contractor to ensure proper access equipment/scaffold available for all operation over 1.2 m. Access plant to be certified and properly serviced. Scaffold and ladders to be erected by experienced tradesmen to current codes of practice, scaffold/ladder inspection log kept up to date, and inspected at prescribed intervals. Use PPE and refer to HSE guidelines Erect barriers and signs diverting pedestrians around hazard.	developed.