

DESIGNERS RISK ASSESSMENT					STAGE		Tender Stage		Prepared by: McCabe Architects, Old Laghey Road, Donegal Town, Co. Donegal					
PROJECT		Construction of a single storey extension to the north side of the existing school building to create a single new classroom and 4 no. S.E.T. Rooms, Connection to existing services on the site and all the site works connected with the work mentioned above at St. Edward's NS, Clarion Road, Ballytivnan, Sligo, F91 DX64.			JOB No.		2025-008							
CLIENT		Board of Management, St. Edward's National School			REF									
PSDP		McCabe Architects			SHEET		1 of 4							
PROJECT STAGES :			FEASIBILITY			PRELIMINARY		DETAIL		CONSTRUCTION			MAINTENANCE	
ASSESSMENT BY :														
No.	HAZARDS	RISK			PERSONS AFFECTED				RISK CONTROL MEASURE TO BE UNDERTAKEN TO ELIMINATE HAZARD / REDUCE RISK TO AN ACCEPTABLE LEVEL COMMENT / DESIGN INTERVENTION	RESIDUAL / PARTICULAR RISK/OTHER INSTRUCTION		INFORMATION / CONTROL OF RESIDUAL RISK / PARTICULAR RISK TO BE PASSED ONTO AFFECTED PERSONS VIA RISK REGISTER AND PRELIMINARY SAFETY AND HEALTH PLAN		
		Y	N	H M L	PUBLIC	CONST PERSON EL	THIRD PARTIES	OTHERS		Y	N			
1	Falling from height, (Aggravated by conditions)	Y		H		✓			Netting and fall arrest systems to be provided to scaffolding to prevent injury to public from falling items. Personnel to be working at high level should be suitably trained.	Y		Temporary works designer to provide relevant certification as may be required for any temporary works (e.g. Scaffolding) All site personnel should wear appropriate PPE for the conditions of work. Risk assessments should be provided by all contractors on site specifically outlining procedures for working at height and for dealing with any other risks identified.		
2	Burial under earth falls	Y		M		✓			Excavation will be required for the foundations. Structural engineer to assess requirements / methods for shoring walls.	Y		Temporary works designer to provide relevant certification as may be required for any temporary works ie. Shoring. Existing walls to be monitored for movement. Contractor to provide method statement. Any installed pipe work will need to be checked out using a camera and report of findings will need to be submitted to the client and PSDP at completion of the project indicating that all is in good order.		
3	Chemical or Biological Substances	Y		M		✓			It is likely chemicals such as preservatives, cement and ad-mixtures will be used in the works. These should be securely stored and used by competent persons in line with manufactures guidelines.	Y		Awareness and competence of contractor to handle materials. Ensure appropriate labour, plant and equipment is used.		
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4	Proximity to the road / playgrounds	Y		M			✓		Site is to be fully enclosed from the public/school at all times. Any excavations to be cordoned off to protect third party in case of collapse/accidental falls. Secure access point and route to be created to site compound.	Y		A secure hoarding is to be erected encompassing the entire construction site. The compound is to ensure that no unauthorized access is possible. This site compound is to be secured at the end of each working day. Access points are to be controlled.
5	Movement of Vehicles on Public Roads	Y		M	✓	✓	✓	✓	The proposed entrance to be used for construction traffic is restrictive. There is a potential risk to the public from vehicles entering and exiting the site. Movement during school opening/closing hours to be avoided.	Y		Careful consideration and design of appropriate traffic management measures at the site entrance. Liaise with school for measures to be taken.
6	Movement of Vehicles within site.	Y		H		✓	✓		The contractor is to prepare a traffic management plan which shall include separation of pedestrian traffic from site traffic wherever practicable inside the construction compound. Site access is to be securely separated from the school's play areas.	Y		Refer to drawing 2025-008-T01 for site detail. Access to areas of the site outside builders hoarding and building only with the prior authority of the Employer. The use of the existing car park adjacent to the buildings must be kept operational throughout the course of the contract unless agreed in advance with Employer. The contractor must programme and phase the works to cater for this ongoing use and to ensure minimal disruption to traffic management within the live school site.
7	Deep Excavations and Excavations adjacent to Existing building walls.	Y		H		✓	✓		Shoring may be required to dig to a suitable level for foundations for steel structure. Existing building to be monitored and checked regularly during works. Any undermining of foundations to be in line with engineer's guidance.	Y		Co-ordinate to reduce time excavations are open, limit depth and ensure shoring and protection is regularly inspected. Support may be required for Existing building walls adjacent to grounds to be excavated. Take particular precautions when carrying out the works in respect of personnel and building users. Ensure site operatives have proper clothing and equipment for the works.
8	Conflict of excavations with existing services	Y		H		✓			There are existing services in the building. These are to be disconnected and re-rerouted as required.	Y		Contractor to carry out CAT scan to identify location of services via careful site investigation, liaison with service providers.
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		Y	N	H M L	PUBLIC	CONST PERSON EL	THIRD PARTIES	OTHERS		Y	N	
9	Existing Construction Material.	Y		M		✓			Internal alterations will produce construction waste material.	Y		Contractor to provide method statement outlining procedures for safe removal from building, safe storage and disposal where appropriate. Engineer to provide details for any remedial structural works when beams are removed.
10	Asbestos.	Y		L		✓			Asbestos is not expected on the property due to the age of the existing building.	Y		Any further discovery of suspected Asbestos within the building shall be immediately notified to the PSDP. Any handling and removal of asbestos shall have regard to the Safety, Health and Welfare at Work (Exposure to Asbestos) Regulations 2010 (S.I. No. 589 of 2010) and Safety, Health and Welfare at Work (Exposure to Asbestos) Regulations 2006 (S.I. No. 386 of 2006).
11	Noise, dust, chips from cutting of hard materials.	Y		M		✓	✓		Prefabricated elements specified where possible.	Y		Ensure general competence of contractor and appropriate qualification of operatives. Works to be carried out at appropriate times within secure compound. Operations to be located away from public areas as far as practicable.
12	General noise, dust, vibration.	Y		L		✓	✓		Architect/engineer to provide details regarding excavations. Photographic survey should be undertaken of adjoining buildings if possible to ensure condition prior/post development.	Y		Minimise use of heavy vibration plant. Appropriate excavation methods to be applied. Water to be used to reduce dust. Work to take place during sociable hours. Apply measures to avoid the disturbance to adjoining occupants. Every effort to control dust shall be made. Works involving generation of noise and/or vibration will need to be carried out in a controlled manor. Crystalline silica is in most rocks, sands, clays and also products such as bricks, tiles and concrete. When these materials are worked, eg cut, sanded, carved, ground etc, dust is created. This dust may be fine enough to be breathed deep into the lungs.
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								COMMENT / DESIGN INTERVENTION		
13	Fire.	Y		H		✓	✓	Specification of processes requiring hot work has been minimized.	Y	The principal contractor shall provide all required fire prevention and safety provision. These shall include, but are not limited to • Particular precautions when carrying out the works in respect of staff, site personnel, and general public. • Ensure existing fire alarm systems or emergency escape routes are not affected by the works. • Fire escape routes for all building occupants must be maintained and kept clear at all times and must be provided with appropriate signage. This includes the adjacent public footpath and laneway. • Site identification of Fire exits and escape routes • Clearance of all obstructions • Fire assembly points • Visitors book and record of all operatives on site • Location of extinguishers etc. • Use of Hot Work permits and associated fire prevention facilities • Appointment of a competent person to assess all potential fire risks.
14	General Cleaning	Y		H		✓	✓	Contractor to ensure site is kept tidy and free of unnecessary trip hazards and other obstacles. Public/school areas, site approach and entrance to be kept clear at all times.		
15	Work in confined spaces risk of asphyxiation	Y		M		✓	✓	Work is required to the existing drainage system and may be required in manholes. Work may be required in other confined spaces. Any use of chemicals to be in well ventilated areas.	Y	Drainage system or other confined spaces to be carefully controlled and permit to work system put in place.