

Designers Risk Assessment

Site Address	Gosfield Pavilion, Gosfield Road, Gosfield, Essex C09 1TL
Client	Gosfield Parish Council
Project No:	11665
Project Title	Proposed Single Storey Extension
Date of Issue	
Principal Designer (Design Stage)	Edward Parsley Associates Ltd
Principal Designer (Construction Stage)	

Edward Parsley Associates Ltd

Ref	Hazard Identified	Risk Associated	Design Response	Residual Risk / Hazard Remaining	Management of Risk	Risk Responsibility	Live	Closed
1	Vehicle movements during site set up and subsequent deliveries / vehicular movements to and from the site	General public / building users / construction workers	Refer to EPA Drwg No. 11665/R-10. Traffic management plan to be developed by Principal Contractor to facilitate deliveries. Delivery vehicles are to be given clear delivery instructions, timed delivery slots and routes of travel.	Delivery drivers not adhering to instructions.	Site Manager to coordinate the delivery of materials, ensuring they are offloaded as safely and quickly as possible and not stored on access routes or outside of the Contractor's compound area. All delivery vehicles / plant entering or leaving the site to be supervised by banksman.	PC	Yes	
2	Unauthorised access onto site.	Public straying onto site, falling into open excavations, slips and trips, being struck by materials being moved on site.	Site Manager to manage access to site to prevent unauthorised persons into work areas. Ensure gates are closed / locked when not in use.	Public ignoring fencing and warning signs and straying into work areas.	Clear signage to be displayed at site entry points and to direct the public. Gate to Contractor's compound to remain locked when not in use. All contractors to be vigilant.	PC	Yes	
3	Unidentified buried services	Risk of fatality or injury. Damage to services and possible impact on surrounding residents with a knock-on effect from leaking pipes / damaged drains etc	Existing drain runs are indicated on EPA Drwg No. 11665/R-10. There is no gas supply to the existing pavilion and electricity supply is overhead (see item 4 below), but the presence of unidentified below ground services cannot be ruled out.	Services in a different location to that indicated. Previously unidentified services found.	Principal Contractor to undertake CAT scan for buried services prior to commencing construction operations. Mark out service locations on site so they are clear. Be vigilant when excavating and be aware of any service indicators	PC / SubC	Yes	
4	Working in proximity to overhead cables	Risk of coming into contact with electric and BT cables	See Drwg No. 11066/R-07 for location of existing overhead electricity cable.	Low residual risk due to cable being located away from the work area, but roof workers in particular should be made aware.	Site Manager to ensure operatives are properly briefed before commencing work on site.	PC	Yes	
5	Dust, noise and vibration.	Long term health effects to contractors – respiratory issues, hearing loss, hand arm vibration, whole body vibration, carpal tunnel syndrome etc.	Site management to ensure dust is minimised during cutting / drilling activities, i.e. wetted down, suitable hearing and respiratory protection must be used by operatives. If deemed necessary, a HAVS monitor shall be used to assess vibration levels.	Limit operation working hours as appropriate. Workers will be monitored for signs of HAVS, work rotated as necessary.	Site Manager is to monitor the workforce and liaise with the site supervisors of sub-contractors. Limit exposure time as appropriate.	PC / SubC	Yes	
6	Deep excavations	Risk of land slips / falling debris into excavation / trips or falls into excavations	Design the minimum depth trenches where required and advise on suitable shoring systems on any unavoidable deep excavations	Potential for deep excavations depending on local ground conditions	Site manager to give appropriate briefing prior to commencement of work. Warning signage to be provided. Cover all deep excavations when not being worked on.	PC / SubC	Yes	

7	Application of hazardous materials, paints and adhesives.	Breathing / health problems. Skin irritation. Fire Hazard	Specify low VOC products wherever possible. Use products in well ventilated areas. Include provisions in Construction Phase Plan.	Refer to the specific methods of use identified in the manufacturer's instructions for products which require ventilation during application. Contractor to ensure all measures are taken eliminate risks during application and / or installation.	Contractor to provide method statement. Ensure adequate ventilation and safety during application. Follow manufacturer's instructions regarding use, removal and disposal.	PC	Yes	
8	Hot Works including cutting and drilling of materials causing sparks. Potential fire hazards.	Lacerations from cutting of pre-fabricated materials. Fumes from cutting and drilling in confined spaces. Potential fire risk from sparks, hot metals.	Only competent and experienced workers to carry out any cutting and drilling on pre-fabricated materials, and only under a permit to work. Carry out as much cutting, drilling and fixing outside in the compound areas before carrying up to site. Use correct PPE such as gloves, glasses, safety boots.	As risk identified.	Contractor to provide appropriate, site-specific RAMS.	PC / SubC	Yes	
9	Working in vicinity of live services	Damage to existing live services, water, electricity, data etc. Risk of fatality or injury, electrocution, laceration, strain, burns etc.	Refer to EPA Drwg No. 11665/R-10 for route of overhead electricity supply and plant room location. All existing services to be traced. Include appropriate provisions in Construction Phase Plan.	Contractor error - permits not put in place before working on the service.	Contractor to provide appropriate, site-specific RAMS. Identify location(s), isolate and make safe. Decommission, deconstruct, remove safely.	PC / SubC	Yes	
10	Risk of asbestos containing materials	Exposure to loose fibres, risk of lung cancer, mesothelioma.	No ACMs have been identified within the existing building and given the year in which it was constructed (2003) their presence is considered unlikely.	The existence of ACMs cannot be entirely ruled out.	All site operatives to be vigilant and stop work immediately if suspect material is found.	PC	Yes	
11	Manoeuvring of heavy goods	Injury to workers / damage to buildings of moving objects	Specify lightweight materials where possible / large beams to be designed with splices to enable them to be manoeuvred in lighter sections	PC not following details and ordering larger sections of steels or heavier materials.	Appropriate plant and equipment to be provided by the PC to enable safe manoeuvring of material. RAMS to be provided as necessary.	PC	Yes	
12	Working at height	Falling causing personal injury and possible injury to workers beneath	Design to ensure suitable space is available for scaffolding etc. If not, then provide alternate safe options for working at height.	Scaffolding and protection not suitably installed or becoming loose / modified by construction workers	Site Manager to periodically check the condition of the working platforms and provide briefings to workers working at height.	PC	Yes	

13	Proximity to occupied areas of existing building(s)	Falling / flying objects and damage to building, injury to building users	Contractor's compound / work area to be physically segregated from areas to which the general public have access, with designated access routes as indicated on EPA Drwg No. 11665/R-10.	The Employer requires the remaining areas of the existing pavilion building, and the adjacent playing field, to remain in use during construction operations. The existing shop is also to remain in use, with safe access maintained during working hours.	Site Manager to liaise closely with the Employer's nominated representative and ensure all site operatives are made aware of the extent and time(s) of use of the existing pavilion building, playing field and shop Plan noisy and /or potentially disruptive operations accordingly. Prevent building users / members of the public from straying into the work area(s). Employer to ensure, as far as practically possible, that building users / visitors are made fully aware of construction operations taking place on site.	PC / Emp	Yes	
14	Demolition works to existing pavilion building	Falling / flying objects, unstable structures whilst demolition is taking place	Design to ensure suitable space is available for scaffolding etc to provide a layer of protection. Only competent and experienced workers to carry out demolition works. Use correct PPE such as gloves, glasses, safety boots.	As risk identified.	Contractor to provide appropriate, site-specific RAMS before demolitions take place.	PC / SubC	Yes	
15	Work outside of the designated compound / work area.	Falling / flying objects and damage to building, injury to building users and members of the public	Works generally centralised but requirement to access other areas of the existing pavilion cannot be designed out.	Access to roof required for clocktower relocation, with implications for building users and members of the public as item 12 (working at height).	Site Manager to liaise closely with the Employer's nominated representative. Where possible, carry out works when the existing premises are not in use. If this is not feasible, ensure site fencing / access routes are adjusted as necessary to keep builders users / members of the public a safe distance away from the works. Appropriate RAMS to be undertaken before works commence.	PC / Emp	Yes	