

Design Health and Safety Register			Alpha Designs			6023-Alpha-XX-XX-HS-Z-001		
Jayne Pierson School of Art Fashion and Design								
Ref	Risk Category (phase where appropriate)	Work element/location	Hazard or risk identified	Risk Management Owner	Design Action required	Significant Temporary Works Requirements/Management Arrangements and/or any Special Erection/Installation Sequences or Requirements	Design Action	Significant residual risk
001	Construction	Excavation	Route and condition of all of the existing buried services utilities may not be specified.	Building Services Engineer	A full survey of the existing services is to be carried out before the commencement of any work. Services will need to be disconnected and/or made safe. Contractor to adopt safe digging techniques.		Utilities survey to be carried out prior to commencement of works on site	No
002	Construction	Excavation	Presence of shallow groundwater on site, which may disturb ground works undertaken	Geotechnical Engineer	Information on existing conditions presented through GI report	TBC Principal Contractor to decide depending on conditions	Mitigations to be introduced in response to ground investigation report	No
003	Construction	Excavation	Variable and poor ground quality on site	Principal Contractor	Information on existing conditions presented through GI report	TBC Principal Contractor to decide depending on conditions	Mitigations to be introduced in response to ground investigation report	No
004	Construction	Excavation	Potential for localised ground contamination within the made ground, including asbestos due to historic demolition od buildings on the site.	Geotechnical Engineer	Information on the location and condition of any-asbestos containing materials to be provided. Detailed plan, setting out how the risks from these materials will be managed, to be prepared before the construction		Principal Contractor to engage with asbestos specialist on correct procedures for removal / working in and around areas of potential buried asbestos	Yes
005	Construction	Groundworks	Presence of number plausible potential pollutant linkages on site, which are considered as a potential risk to human health and controlled waters. Potential for off-site contamination to migrate on-site from the historical surrounding industries	Geotechnical Engineer	Details on the risks from pollutant linkages to be identified	TBC Principal Contractor to decide depending on conditions	Mitigation strategy's to be implemented where necessary	Yes
006	Construction	Piling Works	Vicinity of piling and existing sewer to be co-ordinated	Principal Contractor	Best known position of pipe plotted and noted on drawing		Information to be forwarded to sub contractor and managed	No
007	Construction	General	Fire risk of timber pre fabricated panels and Glulam Beams	Principal Contractor	Contractor to commission Fire Engineer to undertake risk assessment and recommendations		Principal Contractor to undertake construction fire risk assessment	No
008	Construction	Superstructure	Heavy structural elements falling from height during construction	Principal Contractor	Assumed sequence of construction to be provided describing how heavy structural elements could be lifted into place. Contractor to ensure that lifting equipment must be used by suitably trained operatives when lifting heavy items. Contractor to ensure personnel do not attempt to manually lift loads exceeding the current Health & Safety guidelines. Contractor to ensure that all lifting equipment is suitable for carrying the weights specified. Proposed use of Tower crane throughout duration of works	Design to be coordinated with off site manufacture and structural engineer to decide any further actions required	Design to be coordinated with off site manufacture and structural engineer to decide any further actions required	No
009	Construction	Substructure	Ground floor slab needs to support temporary loadings during construction phase	Principal Contractor	Slabs must be of sufficient strength prior to loading	Ensure contractor is aware of curing period in specification,	Note on drawing	No
010	Construction	Site restrictions	The need to maintain access and emergency routes, where necessary	Principal Contractor	Detailed Phasing and strategy to be worked through	Principal Contractor to manage and review	Principal Contractor to manage and review	No
011	Construction	Site restrictions	Site constrained for traffic and deliveries. Local development, constrained location and limited access could result in, congestion of local infrastructure leading to delayed deliveries to site, leading to impact on programme. Use of Off site construction resulting in regular wide load deliveries	Principal Contractor	A report to be commissioned to conduct the following investigations; - Vehicle movements and tracking study to be conducted to assess the ease by which deliveries can access the site in the normal condition. - Local infrastructure assessment to be undertake to identify likely haulage routes and their capacity. - Cross reference with local on-going works to be made to assess expected loading on local infrastructure during the planned works and highlight any areas in which congestion would be expected.	Principal Contractor to manage and review	Principal Contractor to manage and review	No
012	Construction	Site restrictions	Proximity to live railway line	Principal Contractor	Exclusion Zones to be identified and permissions / permits to be agreed with Transport for Wales.	Principal Contractor to manage and review	Principal Contractor to manage and review	No
013	Construction	Location	Potential disruption/nuisance affecting adjacent buildings	Principal Contractor	Noise and vibration assessments to be carried out. Continued monitoring to be undertaken	Principal Contractor to manage and review	Principal Contractor to manage and review	No

014	Construction	Drainage	Off site drainage in road and other areas where services are not fully known	Principal Contractor	Appropriate services undertaken but discussion with contractor undertaking DCWW works in area throws uncertainty on proposed route with number of services in ground	Further route analysis required and further utility surveys required		Yes
015	Construction	Highways Works	Busy existing access road	Principal Contractor	Different from on site works, contractor to review and ensure competent sub-team	Principal Contractor to manage and review		No
016	Construction	Lifting Operations	Tower Crane for installation of Pre fab timber panels and structural frame	Principal Contractor	Detailed method statements to be produced in line with LOLER	Principal Contractor to manage and review		No
017	Construction	Site	Hot Works such as pipe welding etc, over and above usual risk due to timber frame structure	Principal Contractor	Hot works removed from design as far as possible	Contractor to operate a hot works permit or similar and manage risk accordingly		No
018	Construction	Internal	High Level M&E Services located within double height space	Principal Contractor	Long life / durable fittings specified as far as reasonable practical. All possible fittings etc removed from double height space as much as possible	Appropriate apparatus to be utilised whilst carrying out maintenance		Yes