

DESIGNERS ASSESSMENT OF SAFETY AND HEALTH HAZARDS / RISKS										
Designer Company: O'Connor Sutton Cronin Consulting Engineers			Rotunda Hospital Dublin Job No: R597			Design Stage: Tender Date: 01.04.26			 OCSC O'CONNOR · SUTTON · CRONIN MULTIDISCIPLINARY CONSULTING ENGINEERS	
Project Code	Originator	Zone Volume	Level	File Type	Role Type	Number	Status / Suitability Code	Revision		Ext-Suffix
R597	OCSC	XX	XX	HS	Z	0002	D2	P01		.pdf
Designer: EP				Checker: CMcC				Authoriser: EP		
Services Covered by this Design Risk Assessment: Civil ☐ Structural ☐ Mechanical ☒ Electrical ☒ Environmental ☐ Sustainability ☐										
No.	Key construction hazards (or risks) identified					Evaluations: Design decisions made (or alternative actions)				
1.	Electrocution Electrocution due to unintentional contact with existing live electrical services.					Lock out tag out system required for works on and around all live electrical equipment. The presence of existing live electrical services is to be determined by survey. Provide robust protection to live services.				
2.	Contact with live services					Work to take place in a live environment. Care to be taken to avoid unintentional contact with existing services. Contractor to survey areas in advance of any work to identify existing services. Robust protection to be provided to existing services as required.				
3.	Accessibility (construction and maintenance access to plant and equipment)					Equipment to be set out in accordance with manufacturers recommendations.				
4.	Work in a live environment					Some works may take place in areas occupied by staff, patients and public. Appropriate safety measures must be in place. Noise and dust must be controlled. Approved method statements must be in place and signed off by client / engineer prior to the commencement of works.				
5.	Interruption to live services					The existing M&E systems are serving a live critical healthcare facility. There must be no disruption to the operation of the				

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						hospital during the works. Any downtime of services must be agreed to with the client in advance via method statements. Approved method statements must be in place and signed off by client / engineer prior to the commencement of works.				
7	Asbestos					Ensure asbestos survey completed in areas of work prior to commencement. Follow recommendations as advised by asbestos specialist.				
6.	Hospital environment					Contractor to be aware of existing facilities within hospital grounds including radioactive equipment, chemicals, biological substances, flammable gases etc. and ensure appropriate safety measures in place if working in and around existing equipment. Approved method statements must be in place and signed off by client / engineer prior to the commencement of works.				
Notes Re: Providing Information					Item No's (from above)		Remarks			
a) For client's designers										
b) 'Schedule 1' hazards/particular risks										
c) Other 'particular risks'										
d) Reassumed construction methods										
e) For Safety File										
f) In-house: b/f to future stages										
Other parties please take note: These are designer's risk evaluations of design options carried out in-house for the purpose of our complying with designers' duties under the Safety, Health and Welfare at Work (Construction) Regulations 2013. The evaluations relate only to those aspects/elements of the project which we are responsible for designing under the terms of our appointment by our client. Other parties should not rely on these evaluations for their own purposes; in particular, contractors, who must deal with										

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and control all risks arising during construction, must carry out their own definitive risk assessments <i>ab initio</i> for that purpose.										

NOTES ON DESIGN RISK ASSESSMENTS

1. The contractor is to ensure all construction work and activities are carried out in accordance with and in compliance with all appropriate Health and Safety Regulations & Codes of Practice including, inter alia, the following.
 - Safety Health and Welfare at Work Act 2005
 - Safety Health and Welfare at Work (Construction) Regulations 2013
 - Safety Health and Welfare at Work (General Application) Regulations 2007- 2012
 - Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006 -2010
 - Safety Health and Welfare at Work (Chemical Agents) Regulations 2001
 - HSA Code of Practice for Safety in Roofwork
 - HSA Code of Practice for Working in Confined Spaces
 - HSA Code of Practice for the Design and Installation of Anchors
 - Working on Roads Code of Practice (HSA)
 - HSA Code of Practice for Avoiding Danger in Underground Services
 - ESB Code of Practice for Avoiding Danger from Overhead Power Lines
 - HSA Code of Practice for Access and Working Scaffolds
 - HSA Code of Practice for Rider-operated Lift Trucks
 - NSAI Code of Practice - Safe Use of Tower Cranes & Self Erecting Cranes
 - HSA Code of Practice for Chemical Agent Regulations
 - HSA Code of Practice for Contractors with three or less employees

The contractor should note the above is a non-exhaustive list of Regulations and Codes of Practice.

2. Contractor to forward all method statements requested in the Design Risk Assessments well in advance of works commencing to give consultants adequate time for review and comment etc.
3. Design Risk Assessments were compiled on the premise that the contractor only employs personnel that are both competent and qualified for the tasks they undertake

Safety Health and Welfare at Work (Construction) Regulations 2013

Schedule 1

Regulations 12, 15 and 16

Non-exhaustive List of Work Involving PARTICULAR RISKS to the Safety, Health and Welfare of Persons at Work

1. Work which puts persons at work at risk of:
 - a) Falling from a height;
 - b) Burial under earthfalls, or;
 - c) Engulfment in swampland.

Where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work or construction site.

2. Work which puts persons at work at risk from chemical or biological substances constituting a particular danger to the safety and health of such persons or involved a statutory requirement for health monitoring.
3. Work with ionising radiation requiring the designation of controlled or supervised areas as defined in Director 96/29/Euratom.
4. Work near high voltage power lines.
5. Work exposing persons at work to the risk of drowning.
6. Work on wells, underground earthworks and tunnels.
7. Work carried out by divers at work having a system of air supply.
8. Work carried out in a caisson with a compressed air atmosphere.
9. Work involving the use of explosives.
10. Work involving the assembly or dismantling of heavy prefabricated components.