

2026

Roof Membrane Replacement Works at University Hospital Kerry

Preliminary Safety & Health Plan





Roof Membrane Replacement Works at University Hospital Kerry Preliminary Safety & Health Plan

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1. Introduction

This document has been prepared by ORS (PSDP) in accordance with the Safety Health & Welfare at Work (Construction) Regulations of 2013 (S.I No.291 of 2013). Regulation 12 of the regulations specifies the requirements of the Safety and Health Plan as outlined below:

“12. (1), the project supervisor for the design process shall:

Subject to paragraph (2), on a preliminary basis and for the purpose of providing information for the Project Supervisor for the Construction Stage, prepare a written safety and health plan that specifies:

- A general description of the project and of the time within which it is intended that the project will be completed.
- Appropriate information on any other work activities taking place on the site,
- Where appropriate, work related to the project which will involve particular risks to the safety, health and welfare of persons at work including but limited to those referred to schedule 1.
- The basis upon which time in subparagraph (i) was established, taking into account Regulation 11(1)(a),
- The conclusions drawn by designers and the project supervisor for the design process as regards the taking account of the general principles of prevention and any relevant safety and health plan or safety file, and
- The location of electricity, water and sewage connections where appropriate, to facilitate adequate welfare facilities.”

It is the objective of the Project Supervisor for the Design Process to coordinate the identification and mitigation of risk as far as is reasonably practicable in the design stage and attention is drawn to the contractor of the residual risk.

This Preliminary Safety and Health Plan has been prepared, in accordance with the Safety, Health and Welfare at Work (Construction) Regulations 2013 (S.I No. 291 of 2013), the Safety, Health and Welfare at Work (General Applications) 2007 and Section 17 of the Safety, Health and Welfare at Work Act 2005, by the Project Supervisor Design Process (PSDP). This preliminary plan highlights those hazards that have been identified by the design team during the design process that are deemed a particular risk and safety hazard in which the Project Supervisor for the Construction Process (PSCS) will have to manage during the construction process.

All designers, contractors and the PSCS working on this project are required (by the Safety, Health and Welfare at Work (Construction) Regulations 2013 to comply with any written directions issued by the PSDP to enable them to comply with the current regulations.

The PSDP is required by the Safety, Health and Welfare at Work (Construction) Regulations 2013 to notify the Health and Safety Authority (HSA), and the Client, of any parties who fail to comply with written directions issued by the PSDP.

The PSDP accepts no liability, whatsoever, for omissions from the Preliminary Safety & Health Plan and or the Safety File produced, where such omissions arise from failure to comply with written directions issued by the PSDP.

The PSCS is required to develop this Preliminary Safety & Health Plan into the Construction



Stage Safety & Health Plan, prior to the commencement of construction.

The PSDP shall not perform the duties, or part thereof, of the PSCS.

1.1 Objectives

The objective of this Preliminary Safety & Health plan is to assist in the identification and implementation of the measures needed to eliminate, or where this is not achievable to minimise the risks and hazards associated with the construction works.

1.2 ORS Comment on Commencement of the PSDP Role

ORS were appointed as PSDP for the Roof Membrane Replacement Works at University Hospital Kerry project in August 2026. ORS are not responsible for any design decisions taken prior to appointment.

2 General Description of the Project

2.1 Project Team Directory

2.1.1 Client

Client	HSE Estates
Address	Block 2 St Finbarr's Hospital, Douglas Road, Co. Cork
Representative	JP Cronin
Contact Details	jp.cronin@hse.ie

2.1.2 Design Team

Architect	MRG Consulting Engineers
Address	4 Day Place, Tralee, Co. Kerry
Representative	Louise Fleming
Contact Details	louise.fleming@mrg.ie

2.1.3 PSDP

PSDP	ORS
Address	Block A, Marlinstown Office Park, Mullingar, Co. Westmeath.
Representative	Deepak Chandran
Contact Details	d.chandran@ors.ie

2.2 Project Description

The project involves roof membrane replacement works at Zone 2, the roof at the Theatre Plant Room.

As the hospital will remain fully operational throughout the works, risks associated with construction activities and interaction with hospital operations shall be addressed during the design and planning stages.

A Traffic Management Plan shall be developed, coordinated and agreed with the Client prior to commencement of works, incorporating measures to prevent unauthorised access by staff, patients and visitors to construction zones and to safely manage construction and hospital traffic. Construction traffic shall be segregated from general hospital traffic and pedestrian routes, insofar as reasonably practicable.

2.3 Site Location



Figure 1: University Hospital Kerry (Source: Google Earth)

The proposed works will be undertaken on the grounds of University Hospital Kerry (UHK), a busy Model 3 Acute Hospital situated in Tralee.

The hospital contains three levels, Level G Ground Floor, Level 1 and Level 2 and specialises in Medical, Surgical, Paediatrics, Neonatal, Critical Care, Coronary Care, Maternity, Orthopaedics, Palliative and Mental Health. The Emergency Department of the hospital supports around 35,000 patients each year.

There is one main access road (R875) to the hospital. The R875 road can be accessed from Tralee town to the West and from the N21, N22 and N69 to the East.

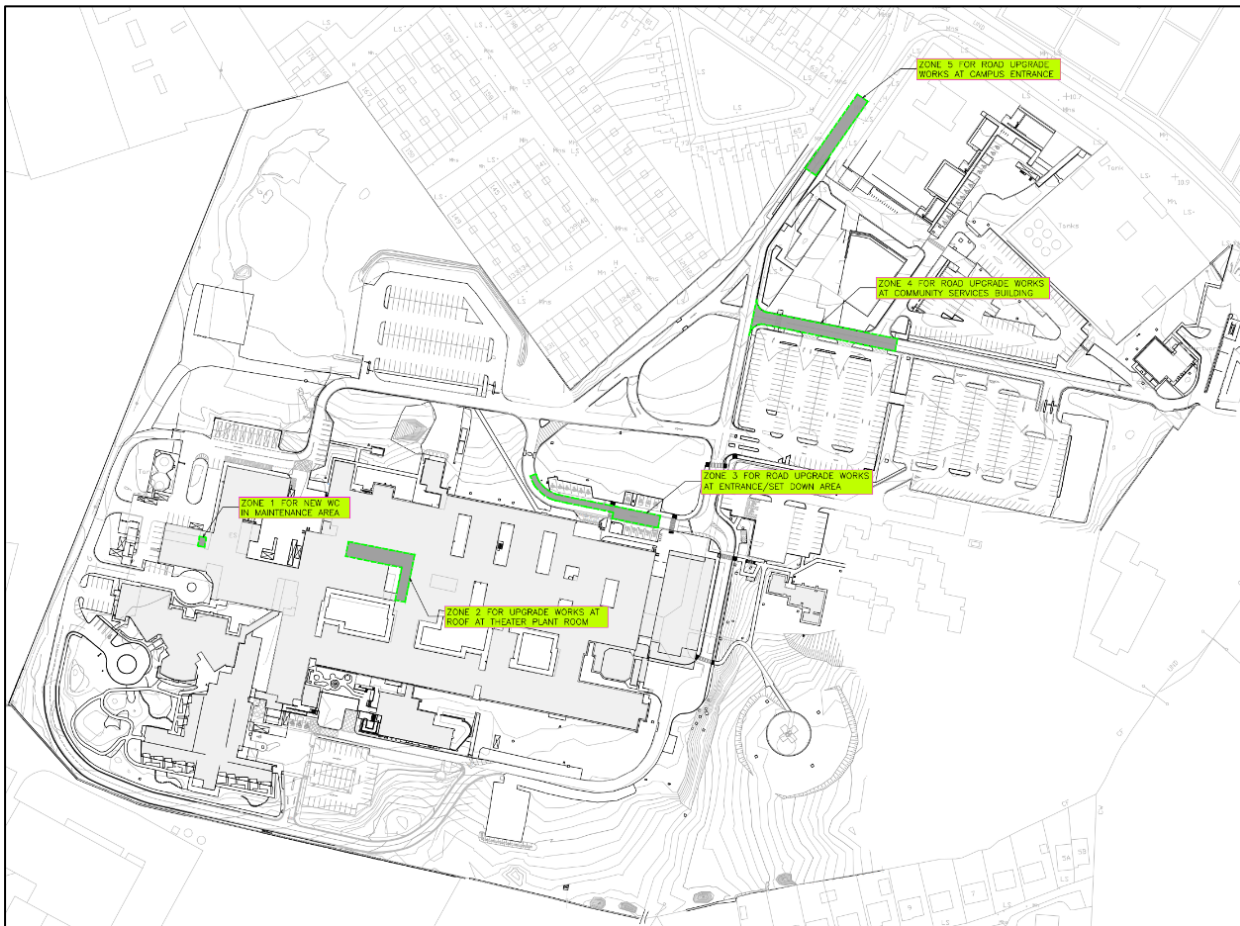


Figure 2: Existing Site Location (Source: MRG Consulting Engineers)

2.4 Intended Contract Commencement & Completion Dates

The works are expected to be completed within approximately 8 weeks. The commencement date is to be confirmed.

2.5 Basis for Timeframe

The anticipated duration of the on-site works has been established based on the scope of works and experience of comparable projects. The Contractor shall review the proposed programme and confirm that the allocated timeframe is sufficient to undertake the works safely and in accordance with all applicable health and safety requirements.

2.6 Welfare Provision

The Contractor shall provide suitable and sufficient welfare facilities in accordance with Part 14, Regulations 98–105 of the Safety, Health and Welfare at Work (Construction) Regulations 2013 (S.I. No. 291 of 2013). The PSCS shall ensure that welfare facilities are appropriately located, readily accessible and adequate for the number of personnel on site. The facilities shall be maintained in a clean, hygienic and serviceable condition for the duration of the works.

3 Known Existing Environmental and any Related Restrictions

3.1 Known Existing Underground Services

Contact with existing underground services is not anticipated as part of the roof membrane replacement works. However, the Contractor shall remain cognisant of existing services where any ancillary works, temporary installations or ground disturbance may be required.

3.2 Known Existing Overground Services (Where these may require removal or impede the works)

The Contractor shall identify and account for any overhead lines within the vicinity of the works. A suitable lifting plan shall be developed, implemented and maintained for the duration of the works, incorporating controls to prevent contact or clashes with overhead lines during the lifting of roofing materials.

Weather and wind conditions shall be monitored prior to and throughout lifting operations, and lifting shall be suspended where conditions could compromise safety. Simultaneous or conflicting activities that may introduce additional risk during lifting operations shall be appropriately coordinated or avoided.

3.3 Known Available Drawings or Safety File Prepared for Any Existing Structures

As the proposed works are to areas surrounding an existing building, the Client shall make available any existing record information relevant to the project, where available. This may include existing record drawings, Safety File information, Operation and Maintenance (O&M) manuals, fire strategy documentation, services information and statutory approvals.

The contractor shall review all available existing information prior to commencing works and shall take account of any identified constraints during the construction process. Any discrepancies identified between record information and site conditions shall be communicated prior to proceeding with the affected works.

3.4 Restriction of Working Hours

Working hours shall be restricted to those as agreed with the Client:

Working outside of these hours are only permitted with the approval of the Client. Works with potential to cause excessive noise, dust or disruption to services shall be coordinated with the Client.

3.5 Restrictions and Difficulties Concerning Site Access, Layout, Etc.

The works will be undertaken within a live hospital environment, with University Hospital Kerry remaining fully operational throughout the project. Site access and the establishment of



contractor working areas will therefore be restricted, and the contractor shall coordinate all access arrangements and site logistics with the Client prior to commencement.

Site access, roof access and available areas for storage, welfare facilities, plant and lifting operations will therefore be restricted. The PSCS shall coordinate and agree the proposed site layout, access arrangements, lifting areas and exclusion zones with the Client prior to commencement. Emergency access, fire routes, hospital entrances and pedestrian routes shall be maintained at all times.

Particular consideration shall be given to the safe lifting and storage of roofing materials, roof access, working at height, falling objects, weather conditions, prevention of water ingress and segregation of construction activities from patients, visitors, staff and ongoing hospital operations.

Access for emergency vehicles shall be maintained clear and unobstructed at all times throughout the works.

3.6 Adjoining Land Use & Related Restrictions

As the works will be undertaken within a live hospital campus, the contractor shall comply with all hospital traffic, access and parking protocols. Deliveries and removals shall be planned to minimise disruption and where practicable, avoided during peak periods of 07:00-09:00 and 16:00-18:00.

Large deliveries shall be planned in advance and coordinated with the Client's Building Maintenance Manager in accordance with the contractor's Traffic Management Plan. Delivery and access routes shall be reviewed and surveyed in advance to confirm that they are suitable and free from obstruction. Emergency access routes shall be maintained clear and unobstructed at all times.

Construction areas, roof access points and lifting/exclusion zones shall be securely segregated from patients, visitors and hospital staff.

Any temporary restrictions affecting hospital access or operations are agreed in advance with the Client and relevant hospital representatives.

3.7 Restrictions Relating to Phasing of Works

There are no known restrictions relating to phasing of works made known to the PSDP team.

3.8 General Details of Site Occupation

As the works will be undertaken on the grounds of a live hospital, the Contractor shall plan and execute all activities to minimise disruption and protect hospital staff, patients, visitors and the public. The works area shall be securely segregated using suitable hoarding, barriers and clear signage to prevent unauthorised access.

The Contractor shall implement appropriate waste management arrangements to ensure debris and construction waste are safely contained and removed without impacting public areas.



All personnel shall comply with the approved Traffic Management Plan, and the Contractor shall maintain ongoing liaison with hospital authorities regarding access, deliveries and any unforeseen issues. Construction personnel parking shall be agreed with the Client and confined to designated areas, with no parking permitted on footpaths or where it may obstruct or disrupt hospital operations.

Corridors adjacent to the works shall be maintained in a clean, safe and unobstructed condition at all times. Tools, equipment and materials shall be appropriately stored and shall not be left unattended in areas accessible to the public.

3.9 Any Other Known Restrictions

The Contractor shall ensure that all works are planned and executed safely, with due consideration given to public safety, adjacent buildings and existing live services. The works area shall be fully secured with appropriate hoarding and clear signage to prevent unauthorised public access.

Suitable controls shall be implemented to prevent damage to adjacent buildings and services, particularly during lifting operations involving roofing materials. Wind conditions shall be monitored during lifting activities and conflicting or simultaneous operations that may introduce additional risk shall be avoided.

4 Particular Risks (regarding construction and future maintenance)

4.1 Particular Risk Register Schedule 1 of SI 291 of 2013

The following is the non-exhaustive list of particular risks to the safety and health of persons as set out in Schedule 1 of SI 291 of 2013, together with the opinion of the Project Supervisor for Design Process on what elements of the works may fall within each risk category. It should be noted that many of the risks on the project might arise out of working methods, which are at the discretion of the contractor and as such cannot be determined by the Project Supervisor for Design Process at this stage of the design process.

PARTICULAR RISK	YES	NO
(a) Work which puts persons at work at risk of burial under earth falls or falling from a height, where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work on site	√	
(b) Work which puts persons at work at risk of engulfment in swampland		√
(c) 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 involving a legal requirement for health monitoring.	√	
(d) Work with ionizing radiation requiring the designation of controlled or supervised areas as defined in Article 20 of Directive 80/836/Euratom		√
(e) Work near high voltage power lines		√
(f) Work exposing persons at work to the risk of drowning		√
(g) Work on wells, underground earthworks and tunnels		√
(h) Work carried out by divers at work having a system air supply		√
(i) Work carried out in a caisson with a compressed air atmosphere		√
(j) Work involving the use of explosive		√
(k) Work involving the assembly or dismantling of heavy prefabricated components		√
Note: The above information is based upon the information available to ORS Consulting Engineers at the time of assessment.		

4.2 Work which puts persons at work at risk of burial under earth falls or falling from a height, where the risk is particularly aggravated by the nature of the work or processes used or by the environment at the place of work on site

Roof membrane replacement works will require operatives to work at height, presenting a significant risk of falls from roof edges, through roof openings or fragile surfaces, and during access/egress. Falls could result in serious injury or fatality.

The contractor shall develop a suitable safe system of work and site-specific risk assessment for all roof works. Work at height shall be properly planned, supervised and undertaken by competent personnel. Suitable collective fall-prevention measures, including compliant edge protection/guardrails and protected access routes, shall be prioritised over personal fall-protection systems. Roof openings and any fragile areas shall be identified and suitably protected. Safe access and egress to the roof shall be maintained, and weather conditions shall be considered when planning and undertaking the works.

Suitable scaffolding shall be provided to facilitate safe access to the roof and, where appropriate, provide perimeter edge protection.

4.3 Works which put persons at work at risk of engulfment in swampland

Not applicable to this project.

4.4 Work which puts person at risk from chemical or biological substances constituting a particular danger to the safety and health of such persons or involving a legal requirement for health monitoring

Existing lead flashings may be encountered during the roof membrane replacement works. The Contractor shall assess the risk of lead exposure prior to disturbance and implement suitable controls to minimise handling and prevent the generation and inhalation of lead dust or fumes. Appropriate hygiene measures, PPE/RPE and safe handling and disposal procedures shall be implemented.

Adhesives and primers may be required during the roof membrane replacement works. The contractor shall review product SDSs and undertake appropriate chemical risk assessments prior to use. Suitable controls shall be implemented to minimise inhalation of vapours and skin/eye contact, including adequate ventilation and appropriate PPE. Flammable products shall be suitably stored and segregated from ignition sources and hot works, with appropriate spill and waste management procedures in place.

An Asbestos Management Survey dated 25 November 2024 identified asbestos-containing materials (ACMs) within the existing hospital building, including vinyl floor tiles and associated bitumen. These materials are not anticipated to be disturbed as part of the Roof Membrane Replacement works.

Notwithstanding this, should any previously unidentified or suspected ACM be encountered during the works, the Contractor shall immediately cease works within the affected area, prevent disturbance and restrict access. The suspect material shall be assessed by a competent person, and appropriate control measures shall be established before works are permitted to recommence.



4.5 Work with ionising radiation requiring the designation of controlled or supervised areas as defined in Article 20 of Directive 80/836/Euratom

Site personnel should be aware of their proximity to x-ray facilities within the hospital grounds and the Client shall confirm that the existing facilities are adequately shielded.

4.6 Work near high voltage power lines

Not applicable to this project.

4.7 Work exposing persons at work to the risk of drowning

Not applicable to this project.

4.8 Work on wells, underground earthworks and tunnels

Not applicable to this project.

4.9 Work carried out by divers at work having a system air supply

Not applicable to this project.

4.10 Work carried out in a caisson with a compressed air atmosphere

Not applicable to this project.

4.11 Work involving the use of explosives

Not applicable to this project.

4.12 Work involving the assembly or dismantling of heavy prefabricated components

Not applicable to this project.

5 Other Significant Risks and Relevant Hazards

5.1 Live Site

The proposed works are located on the grounds of University Hospital Kerry (UHK), a live hospital environment that will remain operational during the works. The contractor shall be cognisant that guests/visitors attending the hospital may be unfamiliar with the construction activities and associated hazards.

The PSCS shall implement robust security and segregation measures to prevent unauthorised access and ensure that construction activities are clearly separated from operational hospital areas. The construction programme shall allow adequate time for the safe phasing and sequencing of the works to minimise disruption to hospital operations.

Delivery routes and times shall be planned and coordinated with the Client to ensure the safe movement of materials and vehicles while maintaining hospital and emergency access at all times.

The PSCS shall develop and maintain appropriate site-specific safety documentation, including the Construction Stage Safety and Health Plan, Traffic Management Plan, phasing arrangements and safe access/egress procedures

5.2 Crane Mobilisation

The PSCS/Contractor shall ensure that all crane and lifting operations are appropriately planned and undertaken by competent personnel. A suitable lifting plan shall be developed prior to commencement of lifting activities, taking account of crane selection and positioning, load weights and lifting radius, ground conditions and bearing capacity, outrigger requirements, underground and overhead services, proximity to existing structures, weather conditions and site access constraints.

Suitable exclusion zones shall be established around the crane and lifting area, and loads shall not be lifted over personnel or occupied areas where this can be avoided. Lifting equipment and accessories shall be suitable for the intended operation, appropriately inspected/examined and used within their safe working limits

Crane mobilisation and lifting activities shall be coordinated with the hospital in advance. The crane location, delivery route and lifting zone shall be selected to minimise disruption and shall not compromise emergency vehicle routes, ambulance access, pedestrian routes, fire escape routes or access to hospital buildings. Suitable segregation, exclusion zones and traffic/pedestrian management arrangements shall be established for the duration of lifting operations.

5.3 Work on / near existing boundaries / structures

Works will be undertaken in close proximity to existing structures and site boundaries. The Contractor shall ensure that scaffolding, temporary works, lifting operations and material storage do not adversely affect the stability or integrity of existing structures. Suitable protection and segregation shall be provided, and access routes, emergency exits and hospital operations

shall remain unobstructed throughout the works.

5.4 Scaffolding

Suitable scaffolding shall be provided to facilitate safe access to the roof and, where appropriate, provide perimeter edge protection. The scaffold shall be designed, erected, altered and dismantled by competent persons and provided with suitable guardrails, intermediate rails and toe boards. Safe access between the scaffold and roof level shall be maintained at all times. The scaffold shall be inspected as required and following any event liable to affect its stability or safety. Particular consideration shall be given to scaffold stability, loading, interfaces with the existing building, falling materials and protection of persons below.

Due to the configuration of the existing building and roof areas, bespoke scaffolding may be required to provide safe access and suitable edge protection for the roof membrane replacement works. The contractor shall assess the scaffolding requirements prior to commencement. Where the scaffold falls outside a standard configuration, it shall be subject to an appropriate temporary works/scaffold design by a competent person.

Collective fall-prevention measures should take priority over personal fall-protection systems when planning the works.

5.5 Demolition

Localised demolition/removal works will be required to facilitate the replacement of the existing roof membrane and associated components. The Contractor shall undertake the works in a planned and controlled sequence to prevent damage to or instability of the existing structure. Suitable measures shall be provided to prevent falling materials, protect persons below and control access to the affected areas. Waste materials shall be removed progressively to prevent overloading of the existing roof structure.

Particular consideration shall be given to preventing demolition debris, dust, noise and water ingress from affecting occupied hospital areas below or adjacent to the works.

5.6 Roof Access and materials storage

Access to the works and temporary storage of materials may be required on the adjacent roof. Safe access routes shall be established and suitable edge protection maintained. The Contractor shall confirm the load-bearing capacity of the adjacent roof prior to material storage and ensure that materials are appropriately distributed, secured against wind uplift and positioned away from roof edges, drainage outlets and access routes. Storage at roof level shall be kept to a minimum.

5.7 Site Restrictions

The works will be undertaken within a live hospital campus and are therefore subject to significant access, traffic, pedestrian and operational restrictions. The Contractor/PSCS shall coordinate the works with the Client and hospital authorities and implement suitable segregation, traffic management and phasing arrangements.

Emergency access, hospital entrances, pedestrian routes and fire escape routes shall be



maintained at all times. Deliveries, working hours, plant movements, material storage and activities generating noise, vibration, dust or fumes shall be planned to minimise disruption to hospital operations.

Existing services shall be identified and protected and any necessary service interruptions shall be agreed in advance with the Client and relevant stakeholders.

5.8 Manual Handling

The works will involve the manual handling of roofing membranes, insulation, tools, equipment and waste materials, including movement to and across the roof area. Mechanical lifting and handling aids shall be used wherever reasonably practicable to minimise manual handling.

The contractor shall plan material storage and work areas to minimise unnecessary carrying distances and ensure that suitable lifting techniques and team lifts are employed where required. Particular consideration shall be given to large or awkward membrane rolls, restricted roof access, uneven surfaces and adverse weather/wind conditions. Personnel shall be appropriately trained in safe manual handling techniques.

Deliveries, material storage and waste removal shall be appropriately planned and coordinated to minimise unnecessary manual handling and double-handling, with materials delivered as close as practicable to the point of use without compromising safe access or hospital operations.

5.9 Waste Management

The works will generate waste including existing roof membrane, insulation, packaging, sealants, adhesives and other roofing materials. The Contractor shall prepare and implement a suitable Waste Management Plan, ensuring waste is appropriately segregated, securely stored and removed from site by authorised waste contractors.

Waste materials shall not be thrown or dropped from roof level and shall be lowered using suitable controlled methods. Particular consideration shall be given to preventing wind-blown debris, obstruction of roof drainage, contamination or damage to the existing building, and disruption to the live hospital environment. Waste storage and collection areas shall be agreed with the Client and maintained for the duration of the works.

Waste removal shall be coordinated with hospital operations and the Traffic Management Plan and, where practicable, shall not take place during peak hospital traffic periods of 07:00–09:00 and 16:00–18:00.

5.10 Emergency Plan

The PSCS shall prepare, implement and maintain a site-specific Emergency Plan for the duration of the roof membrane replacement works, coordinated and agreed with the Client prior to commencement.

The plan shall address fire, medical emergencies, falls from height, rescue from roof level, adverse weather, hazardous substance spills and other foreseeable emergencies. Emergency arrangements shall ensure that hospital fire escapes, emergency routes and emergency



vehicle access remain unobstructed at all times.

Suitable roof rescue arrangements, emergency contacts, first-aid and firefighting equipment shall be provided, and all personnel shall be briefed on the emergency procedures and designated assembly points.

6 Continued Liaison Between Contractor, Designers and PSDP

6.1 Permanent Work Certificates

The contractor / PSCS will be required to nominate Permanent & Temporary Works Designers for elements of the work for which the Contractor shall be responsible for the Temporary & Permanent Design. The nominated Permanent and Temporary works designers shall be responsible for liaising and coordinating with the PSDP in accordance with the regulations.

6.2 Management of Temporary Works

The PSCS is to maintain a register of all completed and expected temporary works required to complete the project. The requirement for a temporary works design is to be identified in advance of that element of work. The temporary works design, calculations, certificate and method statement is to be forwarded to the PSDP prior to construction of the temporary structure.

All Temporary Works Designers are required to provide a 'Temporary Works Design Certificate' to the PSDP, for their element of the works on the Project.

Temporary works may include such matters as trench shoring, scaffolding, propping, working platforms, gangways and access stairs/ladders, etc. Persons who make decisions on site in respect of these may be deemed to be designers.

6.3 Temporary Anchors

Temporary anchors are to be managed according to the HSA Code of Practice for the Design and Installation of Anchors 2017, utilising the specified FM-01, FM-02 and FM-03 forms.

6.4 Contractors and Design Changes Procedures

The PSCS must inform the PSDP and designers in advance of any design work that is to be carried out by the PSCS, or other contractors during the construction phase. Such work may include designed temporary works e.g. falsework or scaffolds, design by specialist contractors or the design involved in changes/ contract variations/ contractor alternative proposals. **The PSCS shall inform and prepare the design process in accordance with the regulations.**

6.5 Contractors' Responsibilities

A contractor's responsibilities include complying with statutory health and safety requirements under the Safety, Health and Welfare at Work Act 2005, plus all current statutory instruments e.g. Safety Health and Welfare at Work (Construction) Regulations 2013, as applicable and the Safety Health and Welfare at Work (General Application) Regulations 2007.

A contractor must additionally comply with the PSCS Construction Safety and Health Plan.



A contractor is obliged to secure further information regarding the PSCS and safety requirements before commencing works.

Scheduling shall be coordinated via the PSCS at regular contractor meetings.

It is the responsibility of the contractor prior to commencement to:

- Make themselves aware of the Preliminary Safety & Health Plan and all pertinent documents available from the PSDP/ designers.
- Be familiar with the contents of those documents.
- Use this document as a basis to formulate the Construction Safety & Health Plan.
- Seek clarification from the design team prior to construction, where required.

It is the responsibility of the contractor at construction stage to:

- Keep all relevant drawings within the site offices
- Seek clarification from the design team prior to construction, where required.

6.6 Continuing Liaison

Procedures will be required for dealing with unforeseen eventualities during project execution resulting in substantial design change, which might affect contract period and other resources, i.e. site meetings, etc.

The PSDP will require to be notified of any relevant changes or decisions that will affect Particular Risks during the project. Other relevant information includes changes to the time required for completion of the project or phases of the project.

Procedures will be required for gathering of information relevant to the Safety File by the PSCS.

Procedures will be required to facilitate the co-ordination of the design of temporary works.

At monthly meetings, or otherwise as appropriate, the PSCS will be required to identify any design functions contemplated by contractors or required in connection with construction of the works and to identify the names, qualifications and competency regarding health and safety of the designers to enable the PSDP to fulfil the co-ordination function.

Signed design certificates must be submitted in advance of construction. It will be a matter for the employers of designers of temporary works to be satisfied as to the general competency of the designers, the design scope and criteria to be followed.

The information contained in this document have been prepared prior to the commencement of work on site. It does not take account of any matters or information, which may come to light upon commencement of works or otherwise.

7 Conclusions from Designers and PSDP Taking into Account the General Principles of Prevention and any Relevant Safety & Health Plan or Safety File

7.1 General Principles of Prevention

The general principles of prevention are contained in Schedule 1 of the Safety, Health and Welfare Act 2005. This document outlines the hierarchy in relation to the prevention of accidents and ill-health. In the context of the Safety, Health and Welfare at Work (Construction) Regulations 2013, the general principles of prevention apply to construction work and its associated preparation. The general principles of prevention are set out in order of preference below:

1	Avoidance of risk.
2	Evaluation of unavoidable risk.
3	Combating of risks at source. If risks cannot be avoided, they should be combated at source so far as reasonably practicable.
4	Adaption of work to the individual, especially as regards the design of places of work, the choice of work equipment and the choice of systems of work.
5	Adaption of the place of work to technical progress.
6	Replacement of dangerous articles/ systems with safer ones.
7	Use of an adequate prevention policy (use of new technology, social and human factors, organisation of work, etc.)
8	Favouring collective measures over individual protection.
9	Providing appropriate training and instructions to employees.

Non-exhaustive list of Matters to be considered as regards the application of the General Principles of Prevention to Construction Work, under the 2013 Regulations.

10	Keeping the construction site in good order and in a satisfactory state of cleanliness.
11	Choosing the location of workstations, plant, machinery, cranes, etc. bearing in mind how access to them is obtained and determining routes or areas for the passage and movement of equipment.
12	The conditions under which various materials are handled.
13	Technical maintenance, pre-commissioning checks and regular checks on installations and equipment with a view to correcting any faults which might affect the safety, health and welfare or persons at work.
14	The demarcation and laying-out of areas for the storage of various materials, in particular where dangerous materials or substances are concerned.
15	The conditions under which the dangerous materials used are removed.
16	The storage and disposal or removal of waste and debris.
17	The adaption, based on progress made on the construction site, of the actual time to be allocated for the various types of work or work stages.
18	Co-operation between employers and self-employed persons.

7.2 Project Designers' Principles of Prevention Conclusions

The design team has taken into account the General Principles of Prevention. Please refer to Appendices for Designer Safety Assessments.

8 PSCS Requirements & Duties

Duties of Project Supervisor Construction Stage (PSCS) as outlined in the Safety, Health and Welfare at Work (Construction) Regulations 2013

8.1 Statutory PSCS Duties

1	Co-ordinate the identification of hazards, the elimination of the hazards or the reduction of risks during construction.
2	Develop the Construction Safety & Health Plan before construction commences
3	Co-ordinate the implementation of the construction regulations by contractors.
4	Organise cooperation between contractors and the provision of information.
5	Co-ordinate the reporting of accidents to the Health & Safety Authority.
6	Notify the Health & Safety Authority, before construction, where construction is likely to take more than 500 person days or 30 working days.
7	Co-ordinate the checking of safe working procedures.
8	Co-ordinate measures to restrict entry on to the site.
9	Co-ordinate the provision and maintenance of welfare facilities.
10	Co-ordinate arrangements to ensure that craft, general construction workers and security workers have a safety awareness card, e.g. SafePass and Construction Skills Certification Scheme card, where required.
11	Co-ordinate the appointment of a site safety representative, when more than 20 persons on site.
12	Provide information to the site safety representatives.
13	Appoint a Safety Advisor, where there are more than 100 on site.
14	Provide all necessary safety file information to the PSDP.
15	Monitor the compliance of contractors and others and take corrective action, where necessary.
16	The PSCS may issue written directions to designers and contractors, if necessary.
17	Notify the Health & Safety Authority and the client of non-compliance with any written directions issued.

8.2 Site Induction

It is the responsibility of the Project Supervisor for the Construction Stage (PSCS) to ensure that all personnel receive the site-specific safety induction prior to commencing works on this project.

8.3 Contractor and Subcontractor Management

Contractors and Subcontractors must provide a copy of their safety statement and method statement(s), to the PSCS prior to commencing works on site.

The PSCS shall ensure that personnel are appropriately trained and competent for the

activities they undertake.

8.4 Project Liaison Arrangements

The project liaison arrangements shall be outlined in the contract documents. The PSCS shall ensure that construction health and safety performance is monitored and recorded throughout the construction phase to ensure compliance with legal requirements and site rules.

8.5 Ongoing Project Review Arrangements

The PSCS/contractor shall meet the client, client's representative, client's technical advisors and client's Health & Safety Advisor, or any other relative project stakeholders, in accordance with the meeting schedules set out in the contract documents.

8.6 Permit to Work Information

The PSCS shall implement a permit system for control of high-risk activities on site. Examples include:

- Hot works
- Excavations
- Roof works
- Confined Space

8.7 Client Permits

The PSCS is to obtain any permits required for construction activities in live environments, from the client.

8.8 Site Security Arrangements

The PSCS/contractor is responsible for the implementation and ongoing review of the site security measures to ensure that unauthorised access to the site is prohibited.

The PSCS shall include in their Construction Safety & Health Plan details regarding security measures, site hoarding, access controls, security fencing etc. These proposals shall be provided to the client's representatives for review and comment prior to commencement.

8.9 Additional Site Activities

The following activities shall/may be carried out on site (outside the scope of the main contract) during the project:

1	Private and public utilities companies carrying out routine maintenance and repair work to existing underground and overhead cables, pipe network, etc.
2	Safe local access to be maintained to all adjoining premises, during the construction phase of a project.
3	Roads Authority carrying out routine maintenance and repair work on the adjacent roads may impact on the access and egress to and from site.

During these additional activities, the PSCS will be required to:

1	Ensure all works are carried out with minimum disruption to the existing road network.
2	Ensure the site, and surrounding roads, are kept clean and tidy.
3	Provide an appropriately trained flagman to safely direct vehicles into and out of the site.
4	Ensure that adequate security arrangements are in place to ensure unauthorised personnel are kept off the work site.
5	Prevent the spillage or deposit of clay, rubble or other debris on adjoining roads
6	Ensure safe access, and egress, is provided to the site for personnel, plant and equipment and ensure it is maintained.
7	Ensure safe access is provided, and maintained, for emergency services/ vehicles.

8.10 Indicative Safety Rules

The PSCS is responsible for ensuring that all personnel receive a site safety induction prior to commencing work. The PSCS/Contractor should also take account of any existing health and safety requirements or Safety Statement applicable to the site. The following are indicative site safety considerations for the PSCS/Contractor to take into account when developing the site-specific safety induction and arrangements.

- All personnel shall receive a site-specific safety induction prior to commencing work on site.
- All personnel shall hold the appropriate Solas SafePass, or equivalent construction skills card for specified operations on site.
- Contractors and sub-contractors shall ensure that their personnel are suitably trained, competent and briefed on the relevant method statements and risk assessments before commencing work.
- Appropriate personal protective equipment (PPE) shall be provided and worn as required by the identified risks.
- Safe access and egress shall be maintained at all times, with work areas kept orderly and free from unnecessary obstructions.
- Plant, machinery, tools and equipment shall be suitable for the intended use, maintained in good condition and operated only by competent persons.
- Work at height and other significant risks shall be appropriately controlled in accordance with the relevant risk assessments and method statements.
- Any unsafe condition, incident, near miss or dangerous occurrence shall be reported promptly to the PSCS/Contractor.
- Appropriate emergency arrangements, including first aid, fire and evacuation procedures, shall be established and communicated to all personnel.
- The PSCS shall ensure that site activities are monitored and that work is stopped or controls are reviewed where there is a risk to health and safety.

9 Procedure for Preparation of the Safety File / Safety File Requirements and structure

All parties involved in this project have a statutory duty to provide all necessary information, for inclusion in the Safety File, to the PSDP, including the Client, Designers, Design Team, PSCS, and Contractors. The information to be provided to the PSDP shall be in accordance with the handover procedures outlined in the works specifications and the tender schedules.

The PSCS shall coordinate arrangements to ensure all contractors, sub-contractors and their specialist designers forward all information necessary, for the compilation of the Safety file, to the PSDP. The PSCS is required to document, to the PSDP, arrangements to ensure all parties (under their control) pass on Safety File information to the PSDP.

The PSCS is required to attend meetings with the PSDP, as required, in order to facilitate the compilation of the Safety File. Such meetings may be called by the PSDP, in addition to any scheduled site/ design meetings.

The PSCS is required to provide, to the PSDP, a comprehensive list of sub-contractors and designers (appointed by the contractor or sub-contractors), with the following details:

- Company Name
- Representative / Contact person
- Address
- Phone number
- Email address

The PSDP shall correspond with parties, required to provide information for inclusion in the Safety File, as follows:

1	The PSDP shall confirm, with each party, the information they are required to provide for the Safety File, and the timescale within which they must provide the required information. This direction shall be confirmed in writing to the relevant party.
	Relevant parties are to provide all required information, of the Safety File, to the PSDP within 1 month of project completion (e.g. issue of practical/substantial completion certificate), unless agreed otherwise.
2	Upon expiry of the timescale, above, the PSDP shall again write to the relevant party confirming the timescale has expired, reiterating the information they are required to provide for the Safety File and stating that the PSDP will be required to notify the HSA & the client of the failure to comply with the written direction of the PSDP, if the outstanding information is not provided within 7 days.
3	Upon expiry of the 7 days, noted above, the HSA & the Client shall be notified, and the correspondence noted above will be included in the Safety File in lieu of the required information.
4	The PSDP shall review all information provided for inclusion in the Safety File. Where additional information is required, from any party, the PSDP shall correspond, with the relevant party, as above.

The PSDP accepts no liability, whatsoever, for omissions from the Safety File (as required by the Safety, Health and Welfare (Construction) Regulations 2013), where such omissions arise



from the failure to comply with written directions issued by the PSDP.

The PSDP shall compile the Safety File, and hand-over to the client, as soon as possible, upon project completion.



Appendix A – AF1

Approved Form (AF 1)

Regulation 10

Particulars to be notified by the Client to the Health and Safety Authority before the design process begins

NOTE:

This form is to be used to notify of any project covered by the Safety, Health and Welfare (Construction) Regulations 2013, which will last longer than 30 days or 500 person days. It can also be used to provide changes in appointments since initial notification of projects.

Any day on which construction work is carried out (including holidays and weekends) should be counted, even if the work on that day is of short duration. A person day is one individual, including supervisors and specialists, carrying out construction work of one normal working shift.

1 Client: Provide name, full address, telephone number and e-mail address for the Client. If more than one Client, please attach details of all Clients on a separate sheet.

Name: HSE Capital Estates
Address: Block 2, St Finbarr's Hospital
Douglas Road

Telephone: KERRY 0667184000 E-Mail: jp.cronin@hse.ie

2 Project Supervisor Design Process and Health & Safety Coordinator: Provide name, full address, telephone number and e-mail address for the PSDP and Health & Safety Coordinator for the Design Process.

PSDP Name: ORS H&S C. Name:
Address: Marlinstown Business Park Address:
Mullingar

Telephone: WESTMEATH 015242060 Telephone:
E-Mail: info@ors.ie E-Mail:

3 Project Supervisor Construction Stage and Health & Safety Coordinator, if know : Provide name, full address, telephone number and e-mail address for the PSCS and Health & Safety Coordinator for the Construction Stage.

PSCS Name: H&S C. Name:
Address: Address:

Telephone: Telephone:
E-Mail: E-Mail:

4 Information on Construction Work: Please provide your details of the following.

Description of Project: The project involves roof membrane replacement works at the roof at the Theatre Plant Room.

Exact Address HSE University Hospital Kerry
of Construction Site: Ratass
Tralee
KERRY

Signed: ORS Consulting Engineers by or on behalf of the Client

Position: H&S Consultant Date: 09/10/2026



Appendix B – Permanent and Temporary Work Certificates



An tÚdarás Sláinte agus Sábháilteachta
Health and Safety Authority

Permanent Works Design Certificate

(to be completed by the Permanent Works Designer(s) and the PSDP)

Project:

Certificate
Reference
Number:

Element of
Permanent Works to
which this certificate
applies:

Identify All of the Permanent Works Designers to Which This Certificate Applies:

- | | | | |
|---|--|--|--|
| ☐ Architect | ☐ Structural Engineer | ☐ Civil Engineer | ☐ M&E Engineer |
| ☐ Fire Safety Consultant | ☐ Geotechnical Engineer | ☐ Traffic Consultant | ☐ Landscape Architect |
| ☐ Process Engineer | ☐ Quantity Surveyor | ☐ Specialist Designer | _____ |
| ☐ Other Designer | _____ | ☐ Other Designer | _____ |

Detail design codes
adopted or complied
with for this element
of works:

Reference numbers
for calculations;
completed &
checked:

Drawings Numbers;
completed &
checked:

Design intent and
assumptions that
may affect
constructability:

Design criteria attached:

Yes	No
☐	☐

We hereby confirm that we have to date carried out, and will continue to carry out as necessary, the design of these parts of the works which we are appointed to design and that we have exercised reasonable professional skill, care and diligence with due regard to our duties under the Safety, Health and Welfare at Work Act 2005 and under the Safety, Health and Welfare at Work (Construction) Regulations 2013, we:

- 1 have taken account of the General Principles of Prevention and any existing Safety File;
- 2 have provided the PSDP and PSCS as appropriate with all relevant information as required by the Construction Regulations; and
- 3 have cooperated with the PSDP and PSCS and with other Designers, as necessary.

Signed for & on behalf of the
Designers (identified above):

Date:

We hereby confirm that we have coordinated the activities of the Designers responsible for this element of the works, in respect of the taking into account the General Principles of Prevention and with due regard to our duties as PSDP under the Safety, Health and Welfare at Work (Construction) Regulations 2013.

Signed:

for & on behalf of the PSDP:

Date:



An tÚdarás Sláinte agus Sábháilteachta
Health and Safety Authority

Temporary Works Design Certificate

To be completed by Temporary Works Designer(s), Permanent Works Designer(s) and PSDP

Project:		Certificate Reference Number:	
Element of Temporary Works which we have designed & to which the certificate applies:		Element of Temporary Works Scheme which is shown on our drawing, but which we have not designed:	
Detail design codes adopted or complied with for these temporary works:			
Reference numbers for calculations; completed & checked:			
Drawings Numbers; completed & checked:			
Provide the assumed construction sequence required by the Temp Works Design:			
Requirements for temporary stability: propping, bearing, bracing, loading:		Fully detailed on drawings: ☐ Yes ☐ No Additional Information attached: ☐ Yes ☐ No Information to be sent to site: ☐ Yes ☐ No	

We hereby certify that we have exercised reasonable professional skill and care in the preparation of the design of those parts of the works which we have been appointed to design and that we have exercised reasonable professional skill, care and diligence with due regard to our duties under the Safety, Health and Welfare at Work Act 2005 and under the Safety, Health and Welfare at Work (Construction) Regulations 2013. In particular:

- 1 we have taken account of the General Principles of Prevention;
- 2 we have provided the PSDP and PSCS as appropriate with all relevant information as required by the Regulations; &
- 3 through our customers, we have cooperated with the PSDP and PSCS and with other Designers, as necessary.

Signed:	for & on behalf of the Temporary Works Designer:	Date:

We hereby confirm that we have communicated our design assumptions to the Temporary Works Designer. We are satisfied that our permanent works design can be constructed to be safe and without risk to health in accordance with Section 17 of the Safety, Health and Welfare at Work Act 2005.

Signed:	for & on behalf of the Permanent Works Designer:	Date:

We hereby confirm that we have coordinated the activities of the Designers responsible for this element of the works, in respect of the taking into account the General Principles of Prevention and with due regard to our duties as PSDP under the Safety, Health and Welfare at Work (Construction) Regulations 2013.

Erection of the Temporary Works may proceed, subject to the provision of a Temporary Works Method Statement agreed by the Contractor, Temporary Works Erector and PSCS as being adequate.

Signed:	for & on behalf of the PSDP:	Date:



Appendix C – Designer Safety Assessments

Project: UHK - Internal & External Refurbishment Works – Roof adjacent to Theatres Plant Room
Client: University Hospital Kerry
Job No.: 126026
Current Issue: A
Current Stage: Design
No. of Pages: 11

Issue:	A	Date:	23-09-2026	Prepared By:	N.O'Mahony	Checked By:	M.Walsh

Designer's Assessment of Safety during Construction and Maintenance taking account of the Principles of Prevention. This assessment has been carried out as recommended in the ACEI / IEI / RIAI publication "Designing for Safety". Before reading this assessment you are advised to refer to that document and in particular, but not exclusively to, paragraphs 19-22 inclusive)

Tick the appropriate Yes, TBC or No box below, and if a hazard exists describe it in the left hand column below, and describe the decisions and actions to be taken in the right hand column below. If in doubt tick TBC for the hazard until such time as it has been established, beyond doubt, whether the hazard exists or not.

No	Key Hazards Identified (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, etc.) Refer to attached Advice Notes. List the Hazards below, when known.....	YES Applies to this project	To be confirmed	NO N/A for this project	Decisions/Action List the decisions and actions to be taken to eliminate, reduce, evaluate, combat, adapt etc, the risks present at this stage. See Principles of Prevention listed below),	Action By:-
1.	Burial Under Earthfall:			✓	Actions to be taken to reduce the risk:-	
1.1.	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>					
2.	Engulfment in Swampland: (15)			✓		
2.1.	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>					
3.	Falling From a Height: (15)	✓				
3.1.	<u>Hazard Identified</u> Erection of scaffolding, removal of existing guardrail system and recovering of existing roof and parapet <u>Risk associated with the Hazard:-</u>				Provide adequate safe access at all levels and provide edge protection.	

No	Key Hazards Identified (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, etc.) Refer to attached Advice Notes. List the Hazards below, when known.....	YES Applies to this project	To be confirmed	NO N/A for this project	Decisions/Action List the decisions and actions to be taken to eliminate, reduce, evaluate, combat, adapt etc, the risks present at this stage. See Principles of Prevention listed below),
	Falling from a height, edge protection				
4.	Unstable Ground: (15)	✓			
4.1.	<u>Hazard Identified:-</u> Mobilisation of crane to lift materials into position <u>Risk associated with the Hazard:-</u> Potential for crane to become unbalanced leading to shift in load				Co-ordinate crane location to avoid underground services. Lifting plan to be developed.
5.	Underground Services: (12, 13)			✓	
5.1.	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
6.	Undermining Existing Foundations: (15)			✓	
6.1.	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
7.	Work on or Near Existing Boundaries / Structures: (15)	✓			
7.1.	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
8.	Work on or Near Fragile Roof: (16)			✓	
8.1.	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
9.	Installation of Scaffolding: (17)	✓			
9.1.	<u>Hazard Identified:-</u> Tying of scaffold <u>Risk associated with the Hazard:-</u> Overall stability of scaffold				Tying locations and details to be reviewed with design team. Bespoke scaffold design for non-standard scaffold where required.

No	Key Hazards Identified (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, etc.) Refer to attached Advice Notes. List the Hazards below, when known.....	YES Applies to this project	To be confirmed	NO N/A for this project	Decisions/Action List the decisions and actions to be taken to eliminate, reduce, evaluate, combat, adapt etc, the risks present at this stage. See Principles of Prevention listed below),
10.	Collective Protection Needed:	✓			
10.1	<u>Hazard Identified:-</u> Removal of existing edge protection <u>Risk associated with the Hazard:-</u> Falling from height				Scaffolding to be erected before removal of existing edge protection
11.	Chemicals: (18, 19, 20, 21, 22, 23)		✓		
11.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
12.	Confined Spaces: (20)			✓	
12.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
13.	Asbestos: (18)		✓		
13.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
14.	Demolition: (21)	✓			
14.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
15.	Lead: (21)		✓		
15.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
16.	Ionising Radiation: (25)		✓		
16.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
17.	Biological: (18, 19, 20, 21, 22, 23)		✓		
17.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				

No	Key Hazards Identified (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, etc.) Refer to attached Advice Notes. List the Hazards below, when known.....	YES Applies to this project	To be confirmed	NO N/A for this project	Decisions/Action List the decisions and actions to be taken to eliminate, reduce, evaluate, combat, adapt etc, the risks present at this stage. See Principles of Prevention listed below),
18.	Overhead Lines: (13, 14, 26)		✓		
18.1	<u>Hazard Identified:-</u> Lifting Operations <u>Risk associated with the Hazard:-</u> Clash with overhead lines during lifting operations				Develop and maintain lifting plan.
19.	Drowning: (27)			✓	
19.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
20.	Underground Works: (27)			✓	
20.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
21.	Explosives: (27)			✓	
21.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
22.	Compressed Air Systems / Divers: (27)			✓	
22.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
23.	Heavy Steel Structures: (28)			✓	
23.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
24.	Precast Concrete Frames: (28)			✓	
24.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
25.	Heavy Prefabricated Plant: (28)			✓	

No	Key Hazards Identified (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, etc.) Refer to attached Advice Notes. List the Hazards below, when known.....	YES Applies to this project	To be confirmed	NO N/A for this project	Decisions/Action List the decisions and actions to be taken to eliminate, reduce, evaluate, combat, adapt etc, the risks present at this stage. See Principles of Prevention listed below),
25.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
26.	After Build Maintenance:	✓			
26.1	<u>Hazard Identified:-</u> Working at height <u>Risk associated with the Hazard:-</u> Falling from a height during maintenance				Guardrail edge protection to be reinstated to original specifications and certified on completion of roof works. Only work within boundary of guardrail edge protection
27.	Roof Access:	✓			
27.1	<u>Hazard Identified:-</u> Working at height <u>Risk associated with the Hazard:-</u> Falling from a height during maintenance				Guardrail edge protection to be reinstated to original specifications and certified on completion of roof works. Only work within boundary of guardrail edge protection
28.	Window Cleaning:	✓			
28.1	<u>Hazard Identified:-</u> Working at height <u>Risk associated with the Hazard:-</u> Falling from a height during maintenance				Guardrail edge protection to be reinstated to original specifications and certified on completion of roof works
29.	General Cleaning:	✓			
29.1	<u>Hazard Identified:-</u> Working at height <u>Risk associated with the Hazard:-</u> Falling from a height during maintenance				Guardrail edge protection to be reinstated to original specifications and certified on completion of roof works
30.	Statutory Inspections:		✓		
30.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
31.	Plant Maintenance:		✓		

No	Key Hazards Identified (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, etc.) Refer to attached Advice Notes. List the Hazards below, when known.....	YES Applies to this project	To be confirmed	NO N/A for this project	Decisions/Action List the decisions and actions to be taken to eliminate, reduce, evaluate, combat, adapt etc, the risks present at this stage. See Principles of Prevention listed below),
31.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
32.	Contaminated ground:			✓	
32.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
33.	Site Restrictions: (2, 3, 4, 5, 6)	✓			
33.1	<u>Hazard Identified:-</u> Construction access within environment dominated by existing hospital staff and patients along Emergency access / egress <u>Risk associated with the Hazard:-</u> Construction traffic movements and risk to public vehicles and pedestrians Delays in means of accessing / egressing the site in an emergency				Segregate construction traffic from general hospital traffic.
34.	Other Work Activities: (7, 8, 9, 10, 11)		✓		
34.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
35.	Carcinogens: (22)		✓		
35.1	<u>Hazard Identified:-</u> <u>Risk associated with the Hazard:-</u>				
36.	Other Hazards:	✓			
36.1	<u>Hazard Identified:-</u> Storage of materials on adjacent roof <u>Risk associated with the Hazard:-</u>				Materials to be carefully stored on existing roof, roof covering to be protected and not overloaded

No	Key Hazards Identified (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, etc.) Refer to attached Advice Notes. List the Hazards below, when known.....	YES Applies to this project	To be confirmed	NO N/A for this project	Decisions/Action List the decisions and actions to be taken to eliminate, reduce, evaluate, combat, adapt etc, the risks present at this stage. See Principles of Prevention listed below),
	Damage to roof covering				
Items to be drawn to the attention of contractor(s): (For inclusion in Preliminary H&S Plan). List any risk that will be passed on to the Contractor and they will have to consider at Tender Stage and Construction Stage. Note: Only risks that are deemed, by the Designer, to be significant and unusual, and which the Contractor cannot reasonably know about or deduce, should be drawn to the contractor's attention. Information about risks that a Contractor could be expected to routinely identify and deal with should not be included. To do otherwise could result in significant information being swamped by a mass of routine everyday information.					
	Contractor must retain access for emergency vehicles at all times				
	Lift plan to be submitted for mobilisation of crane to get materials to and from roof				
Risks that the client has taken responsibility for (at this stage) List any risks that the Client has agreed to take responsibility for at this stage. Acceptance by client must be in writing and must accompany this document.					

Advice Notes

Non-exhaustive list of parameters to be considered:

1. State land uses for area adjoining site and on roads to the site entrance.
Assess location of proposed site entrance in relation to existing uses and activities especially in relation to dust, noise, dangerous processes and traffic. Note access arrangements to those parts of the site which will continue to be used by the client.
2. Review working hours with Client, having regard to the adjacent land uses and buildings and note any restrictions on such hours.
3. The contractor is to install suitable hoarding and ensure site remains secure at all times.
Site parking restrictions.
Storage restrictions, segregated from the works.
Cleaning regime is to be implemented on site and this will include access roads to site.
4. Impact of traffic on immediate local environment.
5. Traffic management plan for the site.
The contractor is to take into account pedestrian traffic especially near the site entrances and feeder roads to the site.
Highlight any schools or other heavily pedestrianised areas near the site or site entrance.
6. Separation of site traffic to (adjacent) premises must be established where possible.
The contractor is to ensure and maintain fire vehicle, bin and delivery access to buildings adjacent to the site at all times.
Separation of site traffic and traffic to (adjacent) premises must be established where possible. Speed limits.
The contractor shall implement an appropriate booking in and out system for all site operatives and visitors.
Procedures to safepass and other certification methods.
Contractors personnel shall carry appropriate (and visible) identification at all times on site.
The contractor shall implement a site specific Health and Safety induction procedure.
Vehicular and personnel routes shall be separated on site especially near the access to the site.
Review access times to the site.
7. Obtain advice from Client and include.
8. Layout of existing and new services included in drawing package. Known services to be identified with the Client and Engineer prior to commencement on site. All diverted services to be documented. Reference to complexity of project is needed.
9. Fixtures, and fittings of machinery review with Client/Services Engineers. Will Electrical terminations and data terminations be required for equipment and machinery?
10. State if new services are to be installed by services providers such as Bord Gáis, ESB, etc. as separate contract to the Client
11. To be advised by the Design Team and Client if and when other items of work activities become known.
12. Obtain advice from Client, Civil Engineer and/or Services Engineer and include here.
Enter drawing numbers of relevant drawings if any.
13. Obtain advice from Client, Civil Engineer and/or Services Engineer and include here.
Enter drawings numbers of relevant drawings if any.
If services are to be re-located prior to commencement of other works on site.
Service Engineer to assess and advise, include advice.

14. Obtain advice from Client, Civil Engineer and/or Services Engineer and include here.
Enter drawings numbers of relevant drawings if any.
If services are to be re-located these should be re-located prior to commencement of other works on site, Services Engineer to assess and advise, include advice.
Where electrical cables are near access roads or cross (site) traffic routes, and external roads an assessment is to be made of the design to establish if this risk can be eliminated or reduced.
Where this cannot be eliminated protective measures must be put in place at the outset of the contract, Services Engineer to assess and advise, include advise.

15. Works involving particular risks, which would be appropriate to specify in the Preliminary Safety and Health Plan are:
- Items 1 & 2 of the Schedule 1 where the existence of a particular risk would not be evident and reasonably deducible from drawings or other support documentation to a competent Project Supervisor for Construction Process.
 - Items 3 to 10 of Schedule 1 where such risks are reasonably foreseeable by the Project Supervisor Design Stage.

Non-Exhaustive List of Work involving particular risks to the safety and health of persons at work

1. Work which puts persons at work at risk of burial under earthfalls, engulfment in swampland or falling from a height, 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 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 involving a legal requirement for health monitoring.
3. Work with ionising radiation requiring the designation of controlled or supervised areas as defined in Article 20 of Directive 80/836/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.

In preparing this section of the Preliminary Safety and Health Plan ensure full consultation with the Structural, Civil and Services Engineers and Temporary Works Designer and include their advice where relevant.

16. Project Supervisor for Construction Stage is to assess risk already outlined for existing fragile roofing materials and more specifically for roof lights if they exist.
17. The installation of high level services at all levels requires extreme caution and care including all scaffolding, etc.
High level Systems should, where possible, be commissioned prior to scaffolding removal to reduce the necessity for hoists, etc.
Method statement required.
The use of collective protective measures such as nets and mobile platforms is to be considered by the Contractor wherever possible during the erection of the works.
An assessment should be made to review if the work can be avoided or reduced, where not possible to eliminate this type of work control measures as stated above are to be requested.
18. Where friable asbestos is identified, and prior to the main renovation work continuing, the asbestos must be removed.
This in most cases, will involve employing a specialist contractor who will give 28 days notification to the HSA and will also prepare a method statement outlining the exact procedures to follow in order to remove the asbestos safely.
All data sheets must be retained for the Safety and Health file.
[For building constructed prior to the mid 1970's an inspection report by expert organisation is to be included in the Preliminary Safety and Health Plan with request to monitor the site for potential of concealed Asbestos especially with regard to insulation and services]
19. Obtain advice from the Client and include.
20. Obtain advice from the Client and include.
Obtain advice from the Services Consultants that the design of the service ducts, plant rooms is reviewed and assessed and that sufficient space is provided for installation, commissioning and maintenance.

21. Lead paint has not been used in significant quantities since the mid 1970s.
Where disturbed during construction or accessible to children after completion, lead should be removed at the earliest possible time during construction. Lead content in paint to be assessed, if applicable, and included in the Preliminary Safety and Health Plan.
22. Substances classified as carcinogens include zinc chromate, and certain classes of bituminous substances, which are used in caulking or sealants.
[Obtain advice from the Design Team and Client. If no advice is received state that the Project Supervisor Design Process has not been notified by the Design Team or Client of any materials that may present an exceptional hazard or risk. No R45/R49 substances specified. Note: fire-stopping and cavity barriers executed in mineral fibre quilts and batts will be used to be non-shed variety and where cut suitable masks to be used and gloves and other site personnel to be provided with suitable protection where working near works involving putting up of batts and quilts.
23. These are a component of many coatings, sealant and foams, particularly of "two pack" coatings or urethanes.
Obtain advice from the Design Team and Client. If no advice received state that the Project Supervisor Design Process has not been notified by the Design Team or Client of any materials that present an exceptional hazard or risk. In case of use, all people involved must be fully trained in the use of same.
24. Obtain advice from the Design Team and Client. If no advice received state that the Project Supervisor Design Process has not been notified by the Design Team or Client of any materials that present an exceptional hazard or risk. No such substances are to be used by the Contractor unless no equivalent alternative exist. In case of use, all people involved must be fully trained in the use of same.
Identify any source of effluent, natural water source and highlight possible contamination, Project Supervisor Construction Stage to develop test regime for potential biological, chemical hazards.
Obtain Client advice on any known potential biological, chemical hazards.
Draw attention to the possibility of Weils disease where rodents can be expected to be present on site.
25. Are ionisation smoke detectors to be installed throughout the building. Obtain advice from Services Engineers and Client of any equipment to be installed
Ionising radiation is also used in airport and other security systems where property or people are scanned.
26. Obtain advice from Client, Civil Engineer and/or Services Engineer and include here.
Enter drawing number of relevant drawings if any.
If services are to be re-located these should be re-located prior to commencement of other works on site or at the earliest possible time. Services Engineer to assess and advise, include advise.
Where electrical overhead powerlines are near access roads or cross (site) traffic routes, an assessment is to be made of the design if this risk can be eliminated or reduced, where this cannot be eliminated protective measures must be put in place at the outset of the contract, Services Engineer to assess and advise, include advice.
27. Obtain advice from Client, Civil Engineer and Services Engineers and include.
Ponds, rivers, culverts shown on Civil Engineering drawing number(s) and included in Appendix B.
Obtain advice from Client, Civil Engineer and Services Engineers on each specified topic and include.
28. Fabrication, delivery and erection of structural steelwork and precast concrete panels should be the subject of a detailed method statement from the Main Contractor and Temporary Work Designer to be lodged with the Project Supervisor Construction Stage and the Project Supervisors Design Process prior to commencement.
Where boilers, Air Handling Units and associated plant are to be lifted into high level plant rooms, a Method statement should be required. The M & E contractor is to advise the Project Supervisor Construction Stage on this prior to the construction stage of the project.

The Principles of Prevention:

Regulation 15(1) of S.I. No. 291 of 2013 states that all designers must take account of the General Principles of Prevention which are contained in Schedule 3 to the Safety, Health and Welfare at Work Act 2005. They are as follows:

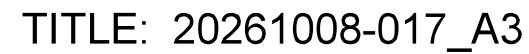
- a) The avoidance of risks.
- b) The evaluation of unavoidable risks.
- c) The combating of risks at source.
- d) The adaptation of work to the individual, especially as regards the design of places of work, the choice of work equipment and the choice of systems of work with a view, in particular to alleviating monotonous work, and work at a predetermined work rate and to reducing their effect on health.
- e) The adaptation of the place of work to technical progress.
- f) The replacement of dangerous articles, substances or systems of work by non-dangerous or less dangerous articles, substances or systems of work.
- g) The development of an adequate prevention policy in relation to safety, health and welfare at work which takes account of technology, organisation of work, working conditions, social factors and the influence of factors related to the working environment.
- h) The giving to collective protective measures priority over individual protective measures.
- i) The giving of appropriate training and instructions to employees.

It should be noted that:

- Only risks that can reasonably be foreseen at design stage can be assessed.
- Risks to those building and to those who might be affected by this work (eg: members of the public) must be considered. Risks during construction, and subsequent maintenance or repairs must be considered.
- Risk assessment may be simple or elaborate depending on the nature of the project and the risk in question. Conventions, generally taken, define a "hazard" as a condition or event with the potential to cause harm, and define a "risk" as the probability (P) that harm from a particular hazard will occur, combined with the likely severity (S) of the harm. $R = S \times P$. Note: it is accepted that this is a very subjective area where good judgement counts more than rigid formulae.
- As the project proceeds, designers need to assess the design and the materials to be used, to establish whether a risk is being introduced and to consider whether this risk can be removed or minimised.



Appendix D – Utilities



BLACK - 38KV & HIGHER VOLTAGE OVERHEAD LINES
 GREEN - MV(10KV/20KV) OVERHEAD LINES
 BLUE - LV (400V/230V) OVERHEAD LINES
 CYAN - 38KV & HIGHER VOLTAGE UNDERGROUND CABLE ROUTES
 RED - MV/LV (10KV/20KV/400V/230V) UNDERGROUND CABLE ROUTES

**** SCALE: 1:2200**

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