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**PRELIMINARY SAFETY & HEALTH PLAN**

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for:

**LUSK NATIONAL SCHOOL - ROOF WORKS**

on behalf of:

**DES O LEARY (PRINCIPAL) LUSK NATIONAL SCHOOL  
AND  
BELL ASSOCIATES**

Mr Dan Mc Auliffe MIOSH  
Practical Health & Safety Ltd

Preliminary Health & Safety Plan – Lusk National School – Roofworks -Rev 0

June 2007

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**DOCUMENT REVISION RECORD**

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**1.0 NATURE OF THE PROJECT**

Names of the Client and Project Team

The Client:

Des O Leary - Principal  
Lusk National School, Chapel Road, Lusk, Co Dublin  
T: 01 8437738

The Designer:

Bell Associates  
Rogerstown, Rush, Co Dublin  
T: (01) 8430267

The Project Supervisor Design Stage:

Roger Bell  
Bell Associates  
Rogerstown, Rush, Co Dublin  
T: (01) 8430267

Health & Safety Adviser to the Project Supervisor Design Stage

Dan Mc Auliffe MIOSH  
Practical Health & Safety Ltd  
1 Grove Park Drive, Glasnevin, Dublin 11  
T: 086 388 1428

The Project Supervisor (Construction Stage):

The Contractor

Project Description:

- Replacement of roof tiling to existing school buildings with new profiled aluminium insulated panelled roof.
- The erection of necessary scaffolding and temporary fencing.

Site Location:

- Lusk National School, Chapel Road, Lusk, Co Dublin

Drawings/Specification:

The following set of documentation is provided for the project:

*<tick appropriate boxes>*

Bill of Quantities	
Form of Tender	
Specification	
Contract Drawings - all existing service drawings, available at the time of issue accompany this document	√
Preliminary Health and Safety Plan	√

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### Timescale for Completion of the Works

- Intended Contract Commencement Date: To be agreed with the successful tenderer but not to be later than July 30<sup>th</sup>.
- Intended Contract Completion Date: **Not later than the 12<sup>th</sup> September.**
- Reviewing the information made available to us, we would consider the timescale reasonable given that the Contractor allocates adequate resources.
- The Project Supervisor Construction Stage is required to assess whether the intended programme and initial dates stated in the Tender documentation are achievable in view of the safety and health issues and any phasing of the works.
- If the scope of the works is changed then the adequacy or otherwise of the time for completing the works should be reviewed by the Client, Designer and Project Supervisor Design Stage in consultation with the Project Supervisor Construction Stage (see ‘Continuing Liaison’ below)

### Safety, Health and Welfare Objectives

- The safety, health and welfare objectives are to carry out the works within the proposed contract timescales to the design and specification set out in the tender documents with due regard to the welfare of staff and without putting at significant risk their health and safety and that of others who may be affected by the project, particularly the public.

### Notification of Project to Health and Safety Authority

- Notification of the project is to be undertaken by the Client using Form AF1 to the Health & Safety Authority and confirmed to the Project Supervisor Design Stage.
- Notification of the project is to be undertaken by the Project Supervisor (Construction Stage) using Form AF2 to the Health & Safety Authority and confirmed to the Project Supervisor (Design Stage).
- The Health & Safety Authority must be notified prior to the commencement of work on the construction site.
- The address for notification is :  
Health and Safety Authority  
The Metropolitan Building  
James Joyce Street Dublin 1  
Tel: 1890 289 389 Fax: 01-614 7020

### Estimate of Person days required:

Site preparation:	xx days
Roof Access:	?
Clearance of existing roofing material	?
Structural Work:	?
Site Clearance	?

### The estimated time scale of the project

- The estimated timescale of the project is **XX** weeks

### Existing Safety File

- There is no existing Safety File for the building

## **2.0 EXISTING ENVIRONMENT**

### Site Restrictions

- It is reasonably foreseeable that some works will take place directly adjacent to the ESB supply to the school
- The works are in proximity to residential areas. The Contractor is advised that noise should be reduced to the minimum possible. Similarly, measures to inhibit the spread of dust and fumes shall be considered by the Contractor. Work outside normal hours must be agreed and sanctioned by the Client.
- Delivery times shall take account of all local considerations.
- The Contractor shall endeavour not to damage the public opinion of the Client
- Entrances to commercial, retail and residential premises shall be maintained by agreement between the Contractor and persons affected by such works
- The Contractor shall ensure access at all times for emergency vehicles.
- The Contractor shall ensure that parking of site plant and vehicles shall not interfere with sight lines of exiting vehicles; if sight lines are impeded and motorists cannot safely enter onto the public road, or from an adjoining road, the Contractor shall ensure the safety of such persons by providing flagmen.
- Parking of site plant and vehicles shall not obstruct any entrances overnight.
- Plant and vehicles shall not be permitted to remain on the public road outside of work hours without prior agreement with the Client.

### Relevant Adjoining Land Uses:

The site is bounded by:

- North: Pasture,
- South: A public road
- East: Private residential properties
- West: Private residential properties

### Existing Services

#### Overhead

- ESB Supply to the school at roof level adjacent to main front entrance.
- ESB supply lines on Chapel Road

#### Underground

- Underground sewer/ drainage is indicated on drawings provided
- Ground work are not envisaged

### Existing Traffic Systems and Restrictions

- The Contractor will be required to keep the existing roads clean and free from dirt and mud at all times.
- The Contractor shall ensure parking areas are provided within the site for construction vehicles, his own personnel and visitors to the site, so that no vehicles are parked in such a way as to impede traffic or cause a hazard to traffic or pedestrians using the public road.

### Ground Conditions

- Contamination of existing local watercourses is not suspected. The Contractor will be required to ensure that watercourses are not contaminated during construction works.

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### Restrictions on Working Hours

- Normal Working Hours: 8 am – 6 pm Monday – Friday and 8am - 4pm Saturday.
- Working outside of normal working hours will be by agreement with Lusk National School.

### Information on other work/ Contractors activities on site

- Other activities which are related to or included within the scope of the contract, that will be carried out on the site during the construction phase.
  - None known at this stage



### **3.0 PARTICULAR RISKS**

The following is the non exhaustive list of particular risks to the safety and health of persons as set out in the Safety, Health and Welfare at Work ( Construction) Regulations SI 504 2006 together with the opinion of the Project Supervisor for Design Stage on what elements of the works may fall within each risk category. It should be noted that many of the risks on the project may 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 Stage.

The Contractor shall consider the risks and propose solutions in the developed Health and Safety Plan.

#### **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.**

- Falling from a height,- Applicable
- Burial under earthfalls- Not applicable
- Engulfment in swampland - Not applicable

#### **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 statutory requirement for health monitoring**

- Building Materials to be used in the works such as: asbestos, toxic paints, solvents, adhesives, insulation materials, toxic dust, etc.
  - ???????????
- Substances hazardous to health likely to be used in the works which may not be possible to avoid and in respect of which special precautions in handling and use will be required may include:
  - ???????????
- Materials in existing structures or services such as asbestos or toxic dust.
  - Not applicable.
- Works involving a risk of contracting Leptospirosis or similar diseases.
  - Not applicable.

#### **3. Work with ionising radiation requiring the designation of controlled or supervised areas as defined in Directive 96/29/Euratom.**

- Ionising radiation - Not applicable

#### **4. Work near high voltage power lines.**

- ESB supply to the school
- While not high voltage (??) the Contractor is required to propose a safe system of work in the vicinity of the cables. In the main, this will involve the implementation of a hierarchy of controls. The contractor must liaise with the ESB regarding the switch-out of the power by the ESB if necessary or the provision of sheathing or other measures.

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Furthermore, he should propose how exactly he proposes to work safely in the vicinity of such live cables.

**5. Work exposing persons at work to the risk of drowning.**

- Not applicable

**6. Work on wells, underground earthworks and tunnels**

- Not applicable

**7. Work carried out by divers at work having a system of air supply.**

- Not applicable

**8. Work carried out in a caisson with a compressed-air atmosphere.**

- Not applicable

**9. Work involving the use of explosives.**

- Not applicable

**10. Work involving the assembly or dismantling of heavy prefabricated components.**

- Not applicable

#### **4.0 OTHER MATTERS TO BE CONSIDERED**

The following is a non-exhaustive list of matters to be considered in particular as regards the application of the General Principles of Prevention to construction work under the Safety Health and Welfare at Work (Construction) Regulations.

The Contractor must, in the developed Safety Plan, outline specific control measures to deal with the following risks.

1. Keeping the construction site in good order and in a satisfactory state of cleanliness.
2. Choosing the location of workstations bearing in mind how access to them is obtained, and determining routes or areas for the passage and movement of equipment.
3. The conditions under which various materials are handled.
4. 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 of persons at work.
5. The demarcation and laying-out of areas for the storage of various materials, in particular where dangerous materials or substances are concerned.
6. The conditions under which the dangerous materials used are removed.
7. The storage and disposal or removal of waste and debris.
8. The adaptation, based on progress made on the construction site, of the actual time to be allocated for the various types of work or work stages.
9. Co-operation between employers and self-employed persons.
10. Interaction with industrial activities at the place within which or in the vicinity of which the construction site is located.

The Contractor is to pay particular attention to the Working at Heights arrangements and to comply with the Safety, Health & Welfare (Work at Heights) Regulations

The Contractor is to also to pay particular attention to restricting access to the works

## **5.0 CONTINUING LIAISON**

Implications for health and safety may arise where design decisions remain to be made, where design changes occur on site, or where the project timeframe is altered. The following procedures shall be put in place with respect to considering any such implications.

For the purpose of this section, the design decisions, design changes and timeframe changes referred to above are only those which may be reasonably foreseen to impact upon the health and safety of persons involved in or affected by this project.

Designers are to notify promptly both the Project Supervisor Design Stage and Project Supervisor Construction Stage of design decisions and provide them with sufficient information, i.e. copies of documentation, etc., in order for them to carry out the necessary assessments before the revised work is carried out and to give directions regarding same when the assessment has been completed.

The Project Supervisor Construction Stage is to promptly bring to the attention of the Project Supervisor Design Stage any on-site design changes that he is aware of.

The Project Supervisor Design Stage and the Project Supervisor Construction Stage shall meet as necessary to co-ordinate information received in relation to all relevant design changes. The frequency of such meetings is a matter to be addressed by the Project Supervisor Construction Stage in the developed Health and Safety Plan. Health and safety must be headed-up as an item to be addressed at all project site meetings, including the Contractor's meetings with sub-contractors, suppliers, employees, etc.

Where unforeseen eventualities arise during project execution resulting in substantial design changes or affecting the time period for the project, the Project Supervisor Construction Stage shall promptly notify the Project Supervisor Design Stage and provide him with relevant information.

Details of procedures for ongoing communications should be included in the developed Health and Safety Plan.

## **6.0 SAFETY DOCUMENTATION**

Copies of the following documentation shall be produced by the Contractor to the satisfaction of Lusk National School prior to commencement on site:

- Safety Statement
- Construction Stage Safety Plan
- Any Method Statements

The Contractor shall keep copies of the following documentation on site, available at all times for inspection:

- The Contractors Safety Statement
- All other relevant Safety Statements
- Preliminary Safety Plan;
- Construction Stage Safety Plan;
- Any Method Statements
- Safe Pass and Construction Skills Certification Scheme (CSCS) Cards
- Test and examination reports for plant and equipment and in particular for all lifting appliances and lifting gear.
- Where appropriate: All certificates and forms required by legislation ( see under)

The following information has been provided with this preliminary Health and Safety Plan

- HSA Guide Working at Height
- HSA Guide Construction Regulations
- HSA Code of Practice for Safe Roof Working
- Safety, Health & Welfare at Work (Construction) Regulations SI 504 2006
- Safety, Health & Welfare at Work (Work at Height) Regulations SI 318 2006
- HSA Forms including AF1 Form: Client Notify HSA, AF2 Form: Project Supervisor Construction Stage Notify HSA and forms related to Working at Height
- HSA WH1 Form- Inspection of Work Equipment for Work at Height

**7.0 PRELIMINARY HEALTH& SAFETY PLAN SCOPE AND CONTEXT**

The Preliminary Safety and Health Plan has been prepared to identify exceptional features of design and construction affecting safety and health from information provided by the designers, client and by reference to the contract documentation. It is not the intention to identify normal construction activities that a competent Contractor would anticipate in a project of this nature.

The information contained in this Preliminary Health and Safety Plan has been prepared prior to the commencement of the work on site. It does not take account of any matters or information which may come to light after that time.

A limited inspection has been undertaken of the site. The Contractor and Project Supervisor Construction Stage are advised that commencement of excavation or other openings up of works may reveal changes requiring reassessment of the construction/design risks.

Absence of mention of items must not be deemed to be an endorsement by us that such are safe. It is recommended that the Contractor always undertake risk assessments pre-construction to enable him develop safe systems of work and build safely.

Prepared by:

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Dan Mc Auliffe MIOSH  
For and on behalf of Lusk National School and the Project Supervisor Design Stage

Dated: \_\_\_\_\_