

Construction (Design and Management) Regulations 2015

Construction Phase Plan

29 November 2022



Site address:

Mansfield Heights, Great North Road London N2 0NY

Multiple site locations:

No

Geographical area:

London Borough of Haringey

Type of project:

Erection of roof extension over detached Tower Block of 12 flats to provide 2 new residential homes

Start date:

To be confirmed

Duration:

40 weeks (estimated)

No of people on site:

10

No of contractors on site:

4

Client:

Redington Capital Limited

Bank Chambers Lower Ground Floor 375 Regents Park Road London N3 1DE

Architect:

Mutiny Architecture Limited

71-75 Shelton Street London WC2H 9JQ

Structural Engineer:

Home Design Limited

40 Wise Lane, Mill Hill, London NW7 2RE

Principal Designer:

Health & Safety Risk Services

25 Worcester Crescent Woodford Green Essex IG8 0LX

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1 Introduction:

The content of this plan is solely based on information obtained at the time of writing. Due to constant changes ECDB Ltd reserves the right to update any or all items.

This **Construction Phase Plan** identifies how risks to health and safety will be managed on this specific project. Information from the pre-construction documentation will be taken into account in the development of this plan. It will be maintained and developed throughout the duration of the project cycle to ensure it constantly reflects the management of specific risks to health & safety arising from the works performed.

ECDB Ltd expect everyone working on the project to comply with its requirements and work to maintain the standards it has set

At the conclusion of the project, ECDB Ltd will ensure that a health & safety manual is delivered to the client.

This information will be forwarded to the client prior to the issue of the **Certificate of Practical Completion**.

Under Regulation 9, Duties of Designers, ECDB Ltd will take all reasonable steps to provide with any contractor design element of this project sufficient information about the aspects of the design of the structure, its construction or maintenance. This will adequately assist clients; other designers and contractors to comply with their duties under these regulations.

In assessing what would be 'sufficient information' all contractors engaged on this project are to be competent and familiar with statutory requirements.

2 Regulation 15 duties of contractors:

- *We will not carry out construction work in relation to the project unless the client for the project is aware of their duties under these regulations*
- *Provide every worker carrying out construction work under our control with any information and training needed for the particular work to be carried out safely and without risk to health including:*

Suitable site induction; information on the risks to health & safety identified by risk assessment under Regulation 3 of the **Management of Health and Safety at Work Regulations 1999** or arising out of the conduct by another contractor of his/her undertaking and of which he/she is or ought reasonably to be aware

Measures which have been identified by us in consequence of the risk

Assessment as the measures needed to take to comply with the requirements and prohibitions imposed upon us or under the relevant statutory provisions

Any site rules

Procedures to be followed in the event of serious and imminent danger to such workers and the identity of the persons nominated to implement those procedures

Provide employees with any health & safety training which is required to provide to them in respect of the construction work by virtue of Regulation 13(2) (b) of the **Management of Health and Safety at Work Regulations 1999**

We will not begin work on the construction site unless reasonable steps have been taken to prevent access by unauthorised persons to that site

Ensure, so far as is reasonably practicable, that the requirements of Schedule 2 are complied with throughout the construction phase in respect of any person at work under our control

3 Regulation 15 additional duties of contractors:

- *We've been provided with information (including any relevant part of any risk assessment in his possession or control) which might affect the health & safety of any person carrying out the construction work or of any person who may be affected by it; might justify a review of the construction phase plan or has been identified for inclusion in the health & safety file in pursuance of Regulation 12*
- *Any directions given under Regulation 12 and any site rules*
- *Information in relation to any death, injury, condition or dangerous occurrence which we are required to notify or report under the RIDDOR 2013*
- *We will comply with your duty under Regulation 13 to take all reasonable steps to ensure that the construction work is carried out in accordance with the construction phase plan; take appropriate action to ensure health & safety where it is not possible to comply with the construction phase plan in any particular case and notify the client of any significant finding which requires the construction phase plan to be altered or added to*

4 Regulation 13 duties of the principal contractor:

Plan, manage and monitor the construction phase in a way which ensures that, so far as is reasonably practicable, it is carried out without risks to health or safety, including facilitating:

Co-operation and co-ordination between persons concerned in the project in pursuance of Regulations 14

- *Liaise with the client in performing his/her duties in Regulation 11 during the construction phase in relation to any design or change to a design*
- *Ensure that welfare facilities sufficient to comply with the requirements of Schedule 2 are provided throughout the construction phase*
- *Where necessary for health & safety, draw up rules which are appropriate to the construction site and the activities on it*
- *Ensure that the particulars required to be in the notice given are displayed in a readable condition in a position where they can be read by any worker engaged in the construction work and take reasonable steps to prevent access by unauthorised persons to the construction site*
- *We shall take all reasonable steps to ensure that every worker carrying out the construction work is provided with a suitable site induction; the information and training referred to in Regulation 13 by a contractor on whom a duty is placed by that regulation and any further information and training needed for the particular work to be carried out without undue risk to health or safety*

5 Regulation 14 principal contractor's duty in relation to co-operation and consultation with workers:

- *Make and maintain arrangements which will enable us and the workers engaged in the construction work to co-operate effectively in promoting and developing measures to ensure the health, safety and welfare of the workers and in checking the effectiveness of such measures*
- *Consult those workers or their representatives in good time on matters connected with the project which may affect their health, safety or welfare, so far as they or their representatives are not so consulted on those matters by any employer of theirs*
- *Ensure that such workers or their representatives can inspect and take copies of any information which you have or which these regulations require to be provided to them, which relates to the planning and management of the project, or which otherwise may affect their health, safety or welfare at the site, except any information:*

Disclosure of which would be against the interests of national security, which could not be disclosed without contravening a prohibition imposed by or under an enactment

Relating specifically to an individual, unless it has been consented to its being disclosed

Disclosure of which would, for reasons other than its effect on health, safety or welfare at work, cause substantial injury to their undertaking or, where the information was supplied to them by some other person, to the undertaking of that other person, or obtained by them for the purpose of bringing, prosecuting or defending any legal proceedings

6 Project description:

Brief outline of proposed works:

The proposal is for the construction of a roof extension over the detached Tower block of Mansfield Heights to create 2 new residential flats.

Type of structure:

Detached 6 storey residential blocks of flats with pitched tiled roof over.

Existing use:

12 self-contained flats with staircase and lift access from central core area

Site address and location:

Mansfield Heights Great North Road London N2 0NY

The site itself is located on the busy A1000 known as Great North Road but set back into a quiet residential environment within a short walk of East Finchley underground station.

7 Project programme details:

Programme to be provided by the ECBD Construction project manager

Proposed Start date:

TBC

Practical completion date:

40 Weeks(Estimated)

Site desk/office arrangements:

Site office and welfare facilities will be located within the site compound within the car park. Visitors will be guided to the site office location on arrival

8 Project directory:

Site management must report back to the Lead Designer who will action any necessary paperwork/instructions as required if there are substantial changes to the scope of work or design that may have an effect on health & safety.

The Principal Designer has provided details of the project directory within the Pre-construction Information and the key contacts for the project are listed below:

Client:

Redington Capital Limited

Bank Chambers
Lower Ground Floor
375 Regents Park Road
London N3 1DE

Contact: James Frost

Tel: 020 3393 2480

Email: james@redingtoncapital.com

Architect:	Mutiny Architecture Ltd 71-75 Shelton Street London WC2H 9JQ Contact: Jeremy Wiggins Mob: 07951 248528 Email: jeremy@mutinyarchitecture.com
Structural Engineer:	Home Design Limited 40 Wise Lane London NW7 2RE Contact: Ross Lakani Mob: 07946 872537 Tel: 020 8959 8748 Email: rlakani@homedesignltd.co.uk
Building Control Officer:	Corporate Approved Inspectors Ltd Quatro House Lyon Way Frimley Road Camberley GU16 7ER Contact: Fergus Traynor Mob: 07973 677723 Tel: 020 8446 9696 Email: info@caibc.co.uk
Principal Designer:	HSRS Limited 25 Worcester Crescent Woodford Green Essex IG8 0LX Contact: Angelo Takkas Mob: 07766 705676 Email: angelo@hsrs.co.uk
Principal contractor:	ECDB Limited 2 The Broadway Friern Barnet Road London N11 3DT Contact: Ramin Ghaderi Tel: 020 7993 8113 Mob: 07872 695000 Email: ramin@ecdb.uk
Site Manager:	ECDB Limited Contact: TBP Mob: TBP Email: TBP
Qualified first aiders:	Site Manager
Fire warden:	Site Manager

Location plan:



The **red lines** represent the boundary of the Mansfield Heights .The site area for the Tower block will be reduced to the area around the Tower block and the existing bin store /cycle stores which will create the new fire path to the extended North Block

Drawings:

Mutiny Architecture	-	As per issue sheet
Home Design	-	As per issue sheet

10 **Project health & safety goals:**

The safety goals for this project are to protect the health, safety and welfare of all personnel working on this project and others that may be affected by our activities. To identify the measures needed to eliminate hazards or reduce and control the risks associated with the design, construction, maintenance and eventual demolition. We will implement preventive and protective measures to achieve satisfactory completion of the works with zero accidents and maintain compliance with all applicable health & safety legislation.

This project is to be implemented within the proposed timescale, to the specified design criteria and in accordance with the project specifications, whilst at all times giving due consideration to the health, safety and welfare of all persons affected both directly and indirectly by the project. At all times we will ensure:

- *Competent person is employed to manage health, safety and welfare throughout all stages of the project*
- *Risk assessments are undertaken where appropriate and method statements containing safe systems of work are produced*
- *Control of Substances Hazardous to Health Regulations (COSHH) assessments are undertaken where appropriate and method statements containing safe systems of work are produced*
- *Method statements are complied with and communicated to all those affected*
- *Personnel employed on site either directly or indirectly are competent and appropriately trained for the tasks they are undertaking*
- *Personnel affected are made aware of potential hazards and risks that may exist on the site*
- *Location of first aid facilities together with the identity of trained first aiders are made known to all personnel onsite*
- *Health, safety and welfare issues remain a top priority and consequently that all personnel employed on and/or visiting site are made aware of potential hazards and the site rules*
- *At all times we shall adopt safe methods of working through the adoption of best practice*

We have taken note of the **Joint Code of Practice Fire Prevention on Construction Sites** and will take action where the code demands. We will prepare and regularly update a site fire safety plan to be incorporated within or referenced to the construction phase health & safety plan showing fire escape routes and muster points. And address arrangements for reporting and investigating of accidents and incidents including near misses under **Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013** (RIDDOR).

11 **Training:**

We have specified the arrangements for maintaining the appropriate standard of training and competence of all personnel and at all times and to maintain training records on site of all personnel. We have arrangements in place for providing site induction to all employees and where necessary providing additional briefings and toolbox talks throughout the duration of the project.

Site induction will be by way of an introduction to the site by the site manager and they will sign the health & safety induction agreeing to the conditions contained therein. Subcontractors will be asked to provide risk assessments and method statements for the work area contracted to carry out which will be added to the health & safety file.

12 **Arrangements for monitoring and review:**

We will monitor and review performance, measured against health & safety goals and the frequency of site visits to monitor health & safety performance on site throughout the project. Our health & safety advisor will visit site on request. The health & safety plan is a live document and will be reviewed and updated regularly as site conditions change. It is vital that those involved in this procedure are fully aware and clearly understand the contents herein and are fully briefed and understand their responsibilities.

13 Emergency procedures:

Details of our emergency procedures will be in accordance with the **HSE Guidance HSG 168 Fire Safety in Construction and the Health & Safety (First Aid) 1981**. We will record and investigate all accidents and incidents that occur on site and report to the client.

Any incidents that are classified within the **Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 2013** (RIDDOR) or environmental incidents will be reported to the appropriate enforcing authority. ECDB Ltd will document the emergency arrangements to be adopted to include:

- **Location and route to the nearest hospital with an A&E department to be displayed on the site notice board:**

The Whittington Hospital

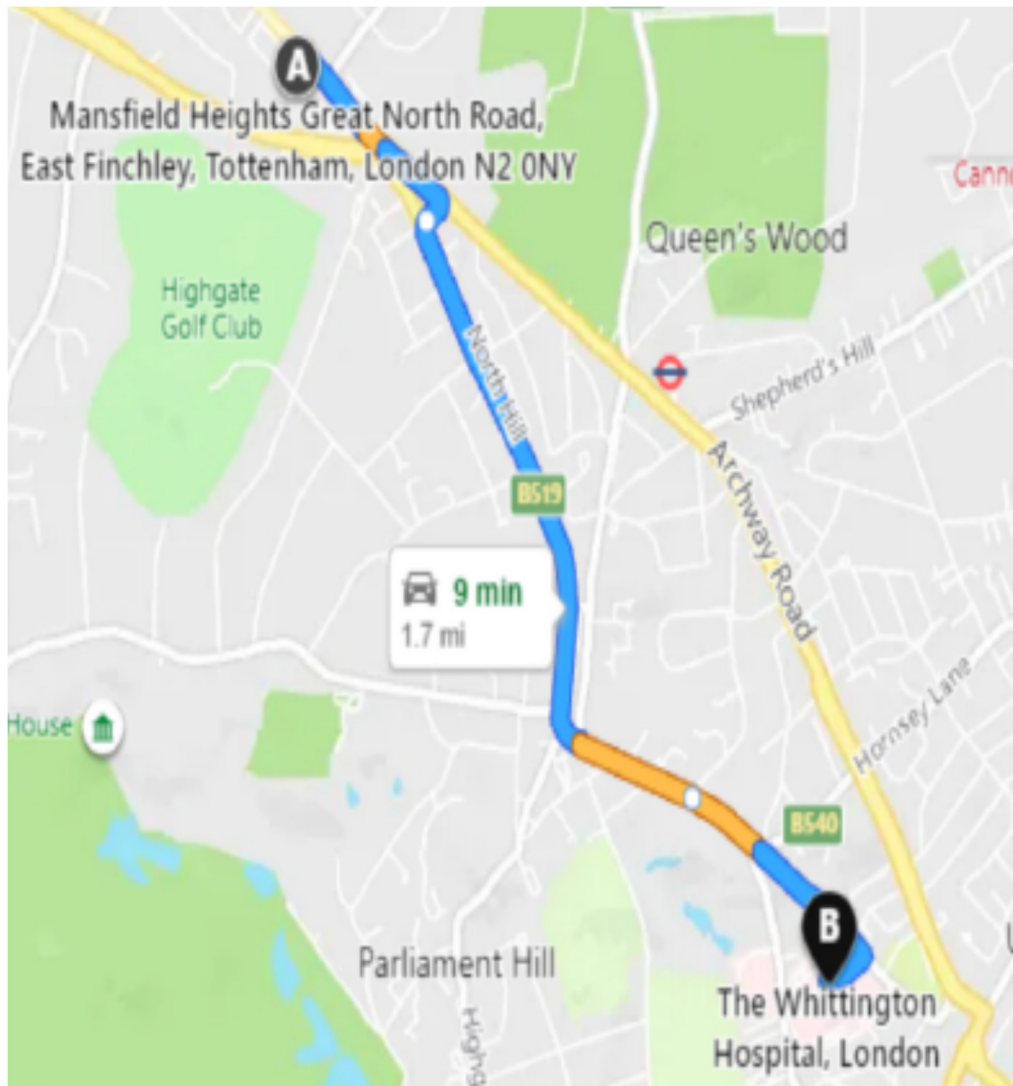
Magdala Avenue
London
N19 5NF

Tel: **020 7272 3070** (999 in emergencies) approximately **1.5 miles** from site

A Mansfield Heights Great North Road, East Finchley, Tottenham, London N2 0NY

↑	1.	Head northwest on Great North Road towards A1000 / Great North Road	118 ft
➔	2.	Turn right onto A1000 / Great North Road	0.3 mi
➔	3.	Turn right to stay on A1 / Baker's Lane	207 ft
↙	4.	Bear left onto B519 / Baker's Lane	0.5 mi
➡	5.	Pass through 4 roundabouts, staying on B519	0.4 mi
↑	6.	Keep right to stay on B519 / Highgate Hill	0.3 mi
➔	7.	Turn right • <i>Private Road</i>	367 ft
	8.	Arrive at destination The last intersection before your destination is B519 / Highgate Hill	

B The Whittington Hospital, London



- *Liaison with the client's representative to agree fire prevention and evacuation procedures including isolation of fire exits, alarms, sensors, etc. as required*
- **Details of fire assembly points and means of raising the alarm will be as instructed onsite:**
 - Means of raising the alarm: Call points, horns and shouting
 - Assembly point: **The grounds to the front of the North Block**
- *Water, Co2, Powder and foam fire extinguishers will be located throughout the ground floor in prominent positions*
- *First aid kit and disposable eye wash will be situated in the site office/desk*
- *Trained personnel available to provide emergency assistance*
- *Spill kits and other precautions for environmental incidents (available if required)*
- *Action to be taken for notifying adjacent commercial/residential properties of any incident which may affect the health & safety of third parties by the site manager (if required)*

Site emergency procedures must be agreed with the client prior to the commencement of the project and before any significant changes are made to any agreed procedure throughout the project duration.

No out of normal working hours or weekend work have been agreed, however, if this changes the emergency contact will be identified

The amount of flammable materials stored onsite will be kept to a minimum. All flammable solids, liquids and gases will be stored safely.

14 Permits and authorisation requirements:

We are expected to provide a **Permit To Work (PTW)** prior to being allowed to work on any high risk activity including working on or in connection with onsite services and hot works. The PTW is to be used to ensure adequate safe working arrangements and checking/control measures have been put in place prior to work activities commencing.

15 Site rules and other restrictions on contractors and suppliers:

Areas of occupation by client and principal contractor:

The premises below the works will be occupied by the client's tenants for the duration of the works. Operatives are not permitted to access any of the flats or adjacent land without prior approval from the owner/occupier.

ECDB Ltd intend to initially setup welfare facilities within the grounds of the car park. These welfare facilities are likely to move during the duration of the project. A scaffold will be erected around the perimeter of the buildings to facilitate the extensions.

Method for displaying site information applicable to all those working and/or visiting site:

Site notice board

We will notify the client and residents before shutting off any service

Visitors will be required to visit the site office and sign themselves in and before entering the site. ECDB Ltd will advise them of any hazards on the site whether in the area to be visited or not (when a visitor leaves the site he/she must sign out).

Correct Personal Protective Equipment (PPE) to be worn at all times as site management dictates throughout the duration of the contract, both inside and outside the building (these must be available for visitors who require it).

Smoking is not permitted at the workplace and radios including personal stereo equipment are not permitted at the workplace.

We will maintain the site in a tidy condition especially along pedestrian routes.

The site must be secured to ensure no unauthorised persons enter site in as much as is practicable.

No materials/equipment will be left unattended or stored where unauthorised personnel can reach them.

Procedures for manual handling and lifting operations must be adhered to.

No alcohol or illegal drugs allowed onsite.

Normal working hours are between 8am and 6pm Monday to Friday and between 8am and 1pm Saturday.

All prohibition notices and warning signs will be obeyed at all times.

All personnel to hold current certification from recognised authorities and will be presented to the site manager with proof of identification.

Regular inspections of plant, machinery and tools will be undertaken by ECDB Ltd.

A copy of site rules will be on display on the site notice board.

16 Site access and arrangements:

A plan of the site must be marked up to show access and emergency routes including pedestrian access with site opening hours.

Activities on or adjacent to the site during the works:

ECDB Ltd do not anticipate any properties below being significantly impacted by the project works.

We will ensure that steps are taken to limit the number of people on site to those directly concerned with the construction work and to ensure that the security of the building as a whole is maintained.

ECDB Ltd will undertake competence checks of all subcontractors in line with the CDM Regulations and Approved Code of practice.

List of subcontractors directly and indirectly under the principal contractor's control:

Scaffolding:	TBD
Roof works	TBD
Mechanical & Electrical	TBD
Steel Fabrication & Installation	TBD

We will identify by clear signage any safety hazards such as weak roofs, dangerous ground and scaffolding that is out of use (reliance should not depend entirely on written warning signs where there is a possibility that some people may not be able to read them).

We will ensure that steps are taken to limit the number of people on site to those directly concerned with the construction work and to ensure that the security of the building as a whole is maintained and that the security of adjacent residential properties and the flats above are preserved.

17 Design assumptions and control measures:

We will identify that the risks to personnel involved with the works are considered to represent those that a competent contractor with experience in this type of work would normally expect.

18 Changes to design principles and on-going design items:

The client/designer will submit to the Principal Contractor during the project execution, any major changes to the design requirements made during the construction phase. These should be submitted in sufficient time to allow the health & safety implications and effect on resources to be considered prior to commencement of the work.

The architect/designer shall submit to the Principal Contractor during the project execution all design information, specification, drawings, designer's health & safety issues and other information relevant to any on-going design element during the construction phase.

These shall be submitted in sufficient time to allow the commencement of the work element onsite.

19 Contractors design items:

We will submit to the client/designer during the project execution all design information, specifications, drawings, designer's health & safety issues and other information relevant to any design element produced by us or contractors under direct or indirect control. These shall be submitted in sufficient time to allow the health & safety implications and effect on resources to be considered prior to the commencement of the work element on site.

Where elements of the design are carried out by us or a contractor under our control, we will advise the client/designer. The client/designer may request details of the work proposed to ensure that adequate information will be provided for inclusion in the construction phase health & safety plan and/or the health & safety file and that the design is fully coordinated between designers. This relates only to the health & safety aspects of the design and does not imply acceptance of the design by the contract administrator.

ECDB Ltd will identify these items:

- *Arrangements for the exchange of design information between the client & designers*
- *Arrangements for instructing, consulting the workforce and coordinating the views of others*

The architect/designer must identify any design features that pose a significant risk to personnel involved with the works other than what is normally expected with this type of work and building.

The designers have considered features to simplify safe construction and have included the use of lightweight materials wherever possible and we will construct safe access for plant and equipment used on site.

20 Welfare facilities:

We will ensure that adequate welfare facilities are provided for the works in accordance with CDM regulations 2015.

ECDB Ltd will establish and maintain appropriate health & welfare facilities for the site which are to be offered to the site workforce and other trade contractor under the shared welfare arrangements.

The welfare facilities will be located within the grounds of the car park.

These facilities will include:

Site office for use by site management and trade contractors for administration and site meetings, the office will be clearly marked and visible to any visitors and delivery drivers, etc. The access to this office will be at first floor level to avoid the need for visitors to venture into hazardous construction areas.

Washing & toilet facilities will be provided with soap, paper towels or hand dryer, toilet paper, hot and cold-water supply. A separate lockable toilet with washing facilities will be made available for female personnel.

All welfare facilities will be adequately ventilated, illuminated and kept hygienically clean and maintained in good order. Access/Egress to welfare facilities will remain safe and unobstructed for the duration of the project. Hard standing pathways and sufficient illumination during dark hours of working will be ensured.

21 Security and storage of materials:

We are responsible for maintaining the safety and security of the site at all times. Site management is responsible for securing the site to prevent the public from accessing either the interior of the building, surrounding grounds, material storage area or site office. ECDB Ltd will have formal signing in book for all personnel and visitors.

All deliveries will be off loaded within the site compound to the point of installation when possible. Materials will be stored within the boundaries of the construction site and tools to be kept with site personnel or in the site storage container which will be locked overnight.

22 Arrangements for liaison between parties:

We will ensure that whilst executing the works throughout the period of this contract provisions are in place for allowing access to site for client's personnel and their representatives, HSE, local authorities or environmental agency personnel. There will be regular site meetings at which any health & safety issues, amongst other items, can be raised as required.

23 Health risks arising from client's activities:

There are no known significant health & safety risks arising from the residential units below.

24 Environmental restrictions and existing onsite risks:

Site conditions:	None known at this stage
Adjacent and local land uses and related restrictions:	Segregation using hoarding of access from flats below.
Access plan to comply with the Disability Discrimination Act:	Not applicable

25 Arrangements for safe traffic routes and separation of vehicles and pedestrians:

Deliveries to take place via the south bound car park entrance and depart from the north bound exit located on Great North Road.

26 Protection of the public:

ECDB Ltd is responsible for preventing unauthorised access to site and the control measures to be established to safeguard the public in accordance with HSG 151 Protecting the Public - Your Next Move.

27 Boundaries and access:

The provision and maintenance of measures to protect the public are detailed above. Additional guidance can be found in HSG 151 - 'Protection of the Public'

New hoarding will be installed to segregate the residents from the roof works and heras fencing to segregate the public from the welfare facilities and deliveries. Safety notices will be displayed at all times warning that constructions works are taking place.

28 Location of existing services:

Existing services must be located before commencement of work onsite and ECDB Ltd will ensure that any services encountered are not damaged. Existing services will be indicated on the construction drawings. The presence and location of services within the structure walls, ceiling and floors are known and will be confirmed and marked prior to works taking place in the respective areas. Existing drawings will have been completed indicating existing electrical, water and waste supplies. The client/designers have made available any service information in their possession. However, they cannot guarantee the accuracy of any drawings/information provided. Therefore we will be required to obtain all relevant service information from the statutory undertakers and confirm the presence of services on site using appropriate locating and avoidance tools. We will have arrangements in place that satisfy the requirements of the **Electricity at Work Regulations 1989**.

29 Electrical and mechanical:

The designers have identified that we will need to consider the use of a permit to work systems where any electrical works are carried out on existing/live systems. The competency and qualifications of tradesmen are required to be maintained on site. We will ensure all electrical works are undertaken in accordance with the IEE Regulations and Code of Practice, and the HSE Guidance HSG 141 electrical safety on construction sites.

30 Existing, previous and new structures:

Adjacent and local buildings include:	Residential flats below and car park
Buildings being demolished:	None-Roof structure and coverings over to be removed
Existing structures:	6 -storey detached block of flats
Anchorage points for fall-arrest systems:	None available – scaffold to be utilized for safe working at height
Roof lights and roof work:	New roof extension

We will describe the proposed safe system of working to ensure operatives are prevented from falling from height. This applies both to the structure during the soft strip, demolition, excavation or during the course of the construction works. Note that where a person may pass within 2m of fragile material, either the material must be securely covered or full edge protection provided.

Working at height:

We are required to describe their proposed method of working for working at height.

Arrangements for reducing noise and vibration:

We will outline proposals for noise and vibration control both in respect of being a hazard to the health of site personnel and as a potential public or statutory nuisance.

31 Health & safety risks and hazards:

Leptospirosis (Weil's disease):

We will outline proposals for preventing exposure to the risk of contracting this disease.

Existing storage of hazardous materials:

We will ensure that all hazardous materials are stored in secure containers at all times they are not in use.

Private sewers and underground ductwork, etc. (hazards arising from entry into confined spaces):

Not applicable

Arrangements for storage of hazardous materials and equipment:

To be identified on site

Health risks arising from removal of asbestos:

To be determined

Dust and fumes:

We are required to take steps generally to control the emission of dust and fumes, for example by providing screens and/or using dust suppressing equipment or exhaust ventilation. Where creation of dust or fumes is unavoidable, appropriate Personal Protective Equipment (PPE) is to be worn. For manmade mineral fibre dusts, one piece overall, gloves, mask and eye protection is recommended.

Referring to visible dust, it is imperative to prevent statutory nuisance arising from the demolition, construction works or dusty activities. Therefore, our strategy for the prevention of dust formation in the first place shall be adopted. Dealing with dust should be in the following fashion:

1. Prevention
2. Suppression
3. Containment.

These three principles are well established and are central to our strategies to control dust. They follow a hierarchy to control the emissions

Heavy materials or plant:

Where construction materials exceeding 20kg in weight require to be dismantled from or installed in the building, ECDB Ltd will describe their method of dismantling/transporting/unloading/installing same paying due attention to the health & safety aspects associated with handling heavy materials and using mechanical handling equipment where possible.

We will provide details of arrangements to maintain safe delivery, installations, operation and maintenance of any items used for both owned or hired. Evidence of training achievements must be retained on site for all operators of plant and equipment.

Primarily, except for hand tools ECDB Ltd will be using the following:

Fixed Scaffold for working at height externally
Hiab lorry for transportation of materials/steels
Mobile towers for safe working at height internally

Stressing the structure:

None anticipated – but to be determined by structural engineer following exploratory holes

Controlled waste:

Waste from the roof strip will be removed from site using skip lorries. General waste will be transported by mechanical means to a designated skip located in the car park. Waste will only be removed from site outside the peak operating times to a registered tip and the documentation required to comply with local bylaws and statutory requirements will be retained.

32 Significant design and construction hazards:

Principles of the structural design and any precautions that might be needed or sequences of assembly that needs to be followed during construction.

Structural steelwork erection:

Structural steel works will be required for new construction extensions.
Wherever possible ECDB Ltd will use a hiab lorry, genie lift and working platforms to erect steelwork
The use of ladders is to be avoided if possible. We are required to produce a method statement describing proposed method of working for consideration by the PD and structural engineer.

Demolition of existing structures:

Prior to performing any soft strip works within the existing building, the removal of any materials containing man-made mineral fibres (MMMF) or other deleterious materials will be identified and disposed accordingly.

Excavations:

Not applicable except for exploratory holes to determine existing foundations
Further details regarding the foundation requirements will be provided by the Structural Engineer

Buried electrical services underground:

We will ensure that all buried electrical services are identified before commencement of such work.

Overhead cables:

There are currently no overhead cables which we anticipate will impact this project..

Wall restraint:

Not applicable

Formwork:

Not applicable

33 Materials requiring particular precautions:

Fluorescent tubes:

Not applicable

Toxic chemicals, insecticides, pesticides, fungicides and herbicides:

Not applicable

Paints, adhesives, epoxy resin glues, epoxy resin paints, intumescent paint, solvent based paints, fillers and fire stopping compounds and use of pitch polymers:

We will comply with manufacturers' instructions regarding application of paints, etc. and take protective measures as necessary for the operative and any third party. Used containers must be disposed of to a suitable tip. We will provide a COSHH assessment for the materials proposed and a method statement describing how surplus materials and applicators will be disposed of. These will form part of the health & safety file documentation.

34 Health & safety file:

There are no existing health & safety or operations & maintenance manuals available

Date when draft information for the health & safety file to be submitted to the Client:

No later than one week from end of practical completion

Date when final version of information for the health & safety file to be submitted to the Client:

No later than one week from practical completion

Date of handover of the health & safety file to client (if not the date of practical completion):

Within one month of completion

Layout and format:

The layout of the health & safety file is essentially in two parts: the health & safety file and the trade manuals that accompany the file. In each case, an index is provided describing the contents. It is anticipated that trade package information will be provided on disk by each significant trade contractor.

Storage of information:

Number of health & safety files to be produced for this project is: **One (digital)**

35 Hazardous substances

The use of hazardous substances have been reviewed and eliminated where possible within the design stage. We will ensure that this list is developed when materials used by specialist contractors are declared in their COSHH submissions. We will specify for any purpose or activity that is likely to represent a hazard to health, their arrangements to eliminate, reduce or control any potential exposure in accordance with the **Control of Substances Hazardous to Health Regulation 2002**.

36 Noise and vibration:

The work operations may generate noise and vibrations which are likely to affect site personnel. Therefore, we will specify arrangements to prevent or control any exposure to high levels of noise and vibration. We are required to implement measures to minimise and control the creation of noise, dust and vibrations.

37 Manual handling:

The architect/designers must specify the use of lightweight materials wherever possible to reduce significant risks from manual handling activities. ECDB Ltd will carry out all manual handling in accordance with the **Manual Handling Operations Regulations 1992** and HSG 149 Backs for the Future - safe manual handling in construction.

38 Construction materials requiring precautions:

The full list detailing construction materials that have been specified by the architect/designer as materials which cannot be avoided or designed out will be made available throughout the contract. ECDB Ltd will specify the safe working methods adopted to prevent and control exposure to persons and others affected by the works.

39 Material safety data sheets:

We will provide to the client/designer material safety data sheets for any hazardous substances used during the works if requested for inclusion within the health & safety file.

40 Lifting operations:

We will provide details of our arrangements to ensure that all lifting operations are carried out in accordance with the **Lifting Operations and Lifting Equipment Regulations 1998** (LOLER) and include the provision of suitable lifting equipment.

41 Potential hazards and action required at design stage:

Access and egress:

We have investigated local traffic restrictions and potential access/ egress problems and considered planning restrictions and traffic surveys. We have ensured adequate access for delivery of materials and equipment. The Construction Environmental Management Plan agreed with the local authority will be strictly followed.

Access control:

Using existing boundaries, hoarding and heras fencing

Airfields & flight paths:

Not applicable

Asbestos:

To be determined

Contact with moving vehicle/plant:

Traffic Marshall to coordinate operative, public and vehicle movements during deliveries and operations

Contact with moving machinery:

All moving machinery will be cordoned off from members of the public and operatives not involved in the works

Clashes of operations/trades:

Will be controlled by ECDB Ltd – morning toolbox talks

Collapse:

We will provide adequate information regarding design parameters, design loadings, means of ensuring structural stability, construction details, specific alteration/demolition hazards (e.g. pre-stressing) in health & safety file. We will identify construction loadings on drawings, together with any temporary support loadings.

Collapse (temporary instability):

We will avoid designs, which involve temporary instability during construction or specify erection sequence including details of temporary support measures required.

Confined spaces:

We will avoid creating confined spaces where possible; minimise operations involving hazards in confined spaces and maximise pre-fabrication, ensure adequate access/working space and avoid specifying hazardous materials/substances for application in confined spaces.

Dust/fumes and hazardous substances:

We will avoid specifying or designing the need for site welding, cutting of hot working methods where reasonably practicable and avoid specifying surface preparation, application methods likely to release hazardous dust or fumes where reasonably practicable (cutting, drilling, abrading, polishing, etc.)

Falls from height:

We will design edge protection and allow for work to be carried out at ground level or from permanent floor levels where possible. We will avoid unnecessary soft strip demolition and the specification of complex or hazardous soft strip demolition sequences and avoid specifying applied finishes at high level where possible.

We will maximise pre-fabrication, adopt simple details and allow for early installation of floors, etc. to minimize risk from high level working

We will maximize pre-fabrication and use of simple jointing systems and design in adequate safe systems of access, edge protection, provisions for the attachment of safety equipment etc. where necessary.

We will provide adequate information regarding built-in safety facilities in health & safety file/operations & maintenance manual.

Falls through fragile surfaces:

None anticipated – all new constructions ensuring no fragile services created during works

Falling objects:

We will ensure adequate lifting provisions on components; maximise pre-fabrication and design temporary protected walkways, etc.

Fire and explosion:

We will specify low or non-flammable materials and products where possible; avoid specifying or designing in site welding, cutting or hot working methods where possible and design precautions to be taken if fire protection systems are temporarily disconnected.

Flooding and ground water:

Not applicable

Hazardous materials and substances:

We will provide adequate survey and testing; avoid specifying finishes involving hazardous materials/substances where reasonably practicable; specify pre-finished components where reasonably practicable and provide adequate information regarding any unavoidable hazardous materials or substances.

Handling:

We will avoid site layouts or dictating construction methods which limit access space where reasonable practicable; design adequate access and means of lifting heavy items of materials where necessary; design to allow mechanical handling where possible; ensure unit weights and sizes of materials are reduced to acceptable levels where manual handling is unavoidable; design components for ease of handling and replacement where reasonably practicable; provide adequate access facilities, working space and lifting facilities around all plant and equipment where necessary; provide adequate information regarding access and lifting facilities for the health & safety file/operations & maintenance manual and consider access, storage and erection procedures during construction or specify an erection sequence which avoids it.

Highways:

The Construction Environmental Management Plan agreed with the local authority will be adhered to and strictly followed.

The site entrance faces Great North Road. Delivery vehicles will be guided into the site with the aid of a Traffic Marshall who will control any public movements when vehicles enter or depart from site.

A wheel wash station is not considered necessary for this project.

Instability of adjacent structures:

Temporary works will be established to maintain the integrity of the construction site during works if necessary

Instability of excavations:

Not applicable.

Noise and vibration:

We will consider existing/surrounding premises and their occupants and planning requirements and specify any noise or vibration restrictions and avoid specifying finishes requiring use of vibratory tools or noisy equipment for surface preparation or application methods where reasonably practicable.

Radiation:

Not applicable

Railways/LUL:

Not applicable

Services:

We will take adequate investigation; provide adequate information noting the nature, location and ownership of known live services and provide adequate information regarding isolation facilities, zoning, labeling and switchgear for the health & safety file/operations & maintenance manual.

Slips and trips:

We will plan layout of site to allow adequate storage areas where practicable.

Spillages of materials:

Any spillages will be cordoned off and cleaned up immediately

Tripping:

We will avoid low level service runs way from walls where reasonably practicable.

Waterways:

Not applicable

42 Contamination of the ground and watercourses:

Not applicable

43 Unforeseen eventualities:

We will submit to the client/designer details of any unforeseen eventualities encountered during the project execution resulting in substantial design changes or which might affect resources, immediately they are encountered. This will enable consideration to be made of the health & safety implications and effect on resources.

44 Statutory regulations relating to construction work:

This list is provided as a guide only and should not be regarded as exhaustive or include subsequent amending regulations. Compilers using this information must check that specified regulations still apply and only select those regulations that are appropriate. New legislation may have amended and updated parts of those listed below.

Building Regulations Approved Document B (fire safety) 2007
Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (No. 568)
Confined Spaces Regulations 1997 (No. 1713)
Construction (Design & Management) CDM 2015
Construction (Head Protection) regulations 1989 (No.2209)
Control of Asbestos at Work Regulations 2012 (No.2739)
Control of Legionella Approved Code of Practice (amended 2001)
Control of Major Accident Hazards (amended 2005) No.1088
Control of Noise at Work Regulations 2005 (No.1643)
Control of Substances Hazardous to Health (COSHH) amended 2002 (No. 2677)
Control of Vibration at Work 2005 (No. 1093)
Corporate Manslaughter & Corporate Homicide Act 2008
Dangerous Substances and Explosive Atmospheres (DSEA) 2002 (No. 2776)
Disabled Discrimination Act 2005 (c.50 & c.13)
Electricity at Work Regulations 1989 (No.635)
Environmental Protection Act 1990
Factories Act 1961 Section 175
Fire Precautions Act 1971 (Modifications) (Revocation) Regulations 1989 (No.79)
Gas Safety (Installation and Use) Regulations 1994 (No.1886)
Hazardous Waste (England & Wales) Regulations 2005 (No.894)
Health & Safety at Work Act 1974 and 1989 amendments
Health & Safety (Consultation with Employees) Regulations 1996 (No.1513)
Health & Safety (Display Screen Equipment) Regulation 1992 (No.2792)
Health & Safety (First Aid) Regulations 1981
Health & Safety (Safety Signs & Signals) Regulations 1996 (No.341)
Institute of Electrical Engineers Wiring Regulations 17th Edition (amended 2008)
Landfill Directive 1999/31/EC

Lifting Operations & Lifting Equipment Regulations 1998 (amended 2000) No. 2307
 Management of Health & Safety at Work Act 1999 (No.3242)
 Manual Handling Operations Regulations 1992 (No.2793)
 Offices, shops & Railways Premises Act 1963
 Personal Protective Equipment at Work Regulations 1992 amended 2002 (No.2966)
 Pressure Systems Safety Regulations 2000
 Protection of Young Persons at Work Directive 1994 (94/33/EC)
 Provision & Use of Work Equipment Regulations 1998 (No.2306)
 Regulatory Reform (Fire Safety) Order 2005 (No.1541)
 Reporting of Injuries, Diseases & Dangerous Occurrences Regulations 1995 (No.3163)
 Safe work in confined spaces (Confined Spaces Regulations) 1997
 Site Waste Management Plans Regulations 2008
 Smoke-free (Premises and Enforcement) Regulations 2006 (No.3368)
 Waste Electrical & Electronic Equipment Directive (WEEE) 2005 2002/96/EC & 2003/108/EC
 Wiring Regulations 17th Edition (IEE BS 7671) 2008
 Work at Height Regulations 2005 (No.735) Amendment 2007 (No.114)
 Workplace (Health, Safety & Welfare) Regulations 1992 (No.3004)

45 **Covid-19 Site Operating Procedures:**

ECDB Ltd. will ensure that operations taking place during the Coronavirus Covid-19 pandemic are performed to protect their workforce and minimise the risk of spread of infection.

Site operating procedures will be established to introduce consistent measures on this site in line with the Government's recommendations on **social distancing**. These procedures will then be updated in line with any change of recommendations communicated or published by the government.