



Assumed existing timber joists.  
Allow for replacing as / if required - to be confirmed in later design stage.

New steelwork to support existing and new structures.  
Steelwork to be supported with the new Reinforced Concrete walls.

Reinforced Concrete ring beam to create lightwell opening.

New reinforced concrete retaining wall to be designed to support existing structure over and resist lateral soil water and surcharge pressure in permanent case.  
In temporary case during the construction, wall to be propped top and bottom until the permanent basement slab is cast in place.  
Allow for horizontal / lateral props ('Mabey' or similar) during construction.  
Waterproofing, finishes and insulation by others.

Reinforced Concrete heel

Reinforced Concrete retaining structure base (allow for 400mm thick base).  
Basement Reinforced Concrete slab (allow for 250/275mm thick) onto 50mm concrete blinding. Slab designed to resist uplift water pressure & heave. Waterproofing, finishes and insulation by others.  
Anti-heave protection may be required.

Existing load bearing masonry wall to be underpinned.

New steelwork to support existing and new structures.  
Steelwork to be supported with the new Reinforced Concrete walls.

Existing rear wall to be removed.

New timber floor joists.

Reinforced Concrete ring beam to create lightwell opening.

New reinforced concrete retaining wall to be designed to support existing structure over and resist lateral soil water and surcharge pressure in permanent case.  
In temporary case during the construction, wall to be propped top and bottom until the permanent basement slab is cast in place.  
Allow for horizontal / lateral props ('Mabey' or similar) during construction.  
Waterproofing, finishes and insulation by others.

Reinforced Concrete heel

Reinforced Concrete retaining structure base (allow for 400mm thick base) on 50mm concrete blinding.

Reinforced Concrete ground beam (allow 400mm thick) to support load bearing underpin wall.

FOR PLANNING

PRELIMINARY ONLY

NOT FOR CONSTRUCTION

**NOTES :**

A) This drawing has been prepared with limited or no site exploratory work and much of the skeletal structure remains hidden until work commences. It is common for the precise nature of the works to be varied slightly, or additional works required, to suit the conditions encountered. It is usual for a contingency sum to be included for such circumstances.

B) This drawing to be read in conjunction with all relevant drawings produced by the Architect and Pole Structural Engineers

C) Pole Structural Engineers drawings are not to be scaled to obtain dimensions. All dimensions, setting out information and levels are to be obtained from the Architect's drawings and site measurement.

D) Details of all non-structural items, ie ventilation, insulation, services, drainage, waterproofing, fire protection, dampproofing, finishes etc. are to be obtained from the Architect's drawings.

E) The contractor is to inform the Architect and Pole Structural Engineers of any discrepancies shown on the drawings with regard to the size, position and arrangement of the existing structure and associated elements.

**HEALTH & SAFETY NOTES:**

- Live services may be present on site:** All underground utilities must be properly identified before any excavation work can begin; these may include: water, steam, sewer, drain, electricity, gas, communication, oil or gasoline etc.
- Deep excavation necessary:** Contractor to provide shutters at the excavated face with temporary propping to reduce risk of excavation collapse and provide barriers to reduce risk of falling into excavation.
- Ground condition may be unstable:** Contractor to provide shutters at the excavated face with temporary propping to reduce risk of any ground movement.  
Contractor to provide temporary works design and method statements completed by competent Temporary Works Designer as per CDM requirement.
- High water table during excavation:** The excavations to be kept free from water at all times by pumping or bailing as required. Contractors to ensure sump and pump on standby for dewatering if required.
- Removal of an existing load bearing walls:** Contractor to ensure all internal and external load bearing walls and floors are fully supported at all times during the works until the permanent steelwork is installed. Contractor shall provide method statement, sequence of work and temporary work proposal to the engineer prior to commencing the works
- Removal of an existing floor structures:** Contractor to secure the walls by providing appropriate lateral bracing at floor levels in order to maintain the lateral stability of the adjacent walls.
- Steelwork erection & Heavy lifting:** Contractor to provide temporary works design and method statements for safe lifting; steel fabrication drawings (includes connection details and splice details, if required) for Permanent Work Engineers review and comment prior to construction.

C	16.11.20	Issued for planning
B	24.08.20	Issued for planning
A	06.08.20	Preliminary issue
Rev	Date	Amendment

Drawing Status	
Preliminary	Tender
Information	X Construction
Building Regs	As Instructed

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Date: AUG '20    Scale: 1:100 @A3    Drg No: 6777/SK03  
Rev: C

Drawn **JMT**

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