



## **HEALTH, SAFETY AND WELFARE ATTENDANCES REQUIRED ON SUB- CONTRACTS FOR THE SUPPLY / SUPPLY AND FIXING OF PRECAST CONCRETE FLOORING AND/OR COMPONENTS**

The Attendances contained herein shall be provided on site by Bison Manufacturing's Ltd's (Bison) Customer for the use of Bison, free of charge, and shall comply with the requirements of the Health and Safety at Work etc. Act and supporting Regulations.

### **1. ACCESS AND HARDSTANDING**

- 1.1 The Customer shall provide and maintain hard roads, standing and stacking areas, entirely suitable for the operations and for the safe passage and working of personnel and plant including levelling if necessary. Maintenance of the same should take into account deterioration due to adverse weather, continued use, etc. The hard standing for the crane must be maintained within the radius stated in the Bison quotation, for the duration of the contract.

The suitability of the ground conditions is the sole responsibility of the Customer. The Customer must ensure the permissible pressure of the ground has been provided to the Bison Appointed Person. The Customer should ensure that there is a clear level hard standing within the crane tolerances capable of withstanding the imposed outrigger loads quoted within the Bison Site Installation Plan.

For the guidance of the Customer, Bison's quotation provides information in respect of the delivery vehicles and cranes on which Bison's quotation is based.

- 1.2 The Customer shall provide and maintain any access from the public highway on to the site. Such access is to be entirely suitable for the safe passage of Bison delivery vehicles and cranes. Should road signs, bollards, etc., or police permission be required in connection with such access, then the provision of, or application for it, as the case may be, shall be the sole responsibility of, and at the cost of, the Customer.
- 1.3 When erection operations are to be carried out from the public highway, all road signs, traffic control and the like, together with all necessary permissions, shall be the sole responsibility of, and at the cost of, the Customer.
- 1.4 When craneage or any other type of lifting is to be provided by the Customer, it must be adequate for the purpose and Bison shall be afforded unrestricted use whenever required, including the use of a trained operator and signaller where applicable.
- 1.5 When craneage is working, the Customer must consider the work area to be a prohibited area and ensure that adequate precautions are taken to protect personnel including other trades and members of the public.

### **2. AERIAL OBSTRUCTIONS**

- 2.1 At its cost the Customer shall be responsible for the re-routing, removal and/or making safe, prior to the arrival of Bison on site, of any aerial obstructions which are likely to foul or hinder a crane boom or suspended load, (including parts of the structure e.g. purlins, cross-bracing or the like) and also for their subsequent replacement. If the removal of any structural member is necessary to facilitate the installation, structural stability must be maintained and the building designer must be satisfied that such structural stability is not prejudiced
- 2.2 At its cost the Customer shall also be responsible for the protection of power lines or other services and where applicable, the issue of notifications to third parties. The Customer shall obtain appropriate authority where permission is required to operate within the air space of third parties

### **3. ACCESS AND PROTECTION AGAINST FALLS**

- 3.1 Safe access to working areas shall be provided by the Customer and should be by way of stairways, ramps, ladders, platforms or the like, properly constructed, maintained, secured and illuminated.

Scaffold to the perimeter of working areas, together with handrails, guard-rails, platforms or stages required for access and/or to prevent operatives falling shall be provided, installed and maintained by the Customer. Perimeter scaffold platforms shall be 900mm below the floor level.

- 3.2 When working at any height, where there is a risk of an injury due to a fall e.g. upper floors and/or floors over basements, the hierarchy of fall protection must be followed. Therefore the Customer shall provide passive fall protection, wherever reasonably practicable, before installation of all precast concrete floors and stairs. Bison may at its discretion offer this service. If such a service is offered by Bison, it will be to the extent set out in Bison's quotation.

3.3 Protection can be achieved using air bags, safety nets, working platforms, staging and crash decks. The chosen method must protect the whole of the upper – level work area.

3.4 Any voids, which are formed in the precast flooring, shall be suitably covered and/or protected by the Customer, on completion of the work area

#### **4. WELFARE**

4.1 The Customer shall provide and maintain all welfare facilities to Bison

#### **5. DEBRIS REMOVAL**

5.1 The Customer shall provide and be liable for providing a central location or skip(s) for Bison to place Bison debris / left over materials. The Customer is liable for removing debris from site, tipping skip(s) and any Landfill taxes etc

#### **6. STRUCTURAL STABILITY**

6.1 Prior to Bison commencing on site, the Customer shall provide adequate hard level bearings designed to take account of the construction loadings/processes. In addition, the Customer shall be responsible for ensuring that:-

a) All brickwork, blockwork, concrete or the like is adequately cured, stable and fit to receive precast concrete units, and that steelwork is secure, stable and that holding down bolts are grouted in.

b) Isolated piers or toothed walls are made stable and adequate by the application of temporary measures if necessary.

c) Lintels, steel angles and steel beams etc. are bedded as necessary, securely fixed to the wall and have adequate safe bearing at each end, to avoid collapse, displacement or the like. Propping may be necessary to achieve this required stability.

d) All walls and partitions not providing bearing to units should be left one course down from the soffit level to allow the units to be safely positioned

e) When drainage points are provided in Bison units, the Customer is responsible for opening them out, keeping them clear during construction and for subsequent infilling / making good as required

f) When Bison units are to take a bearing which requires the use of temporary props, all temporary works design is the responsibility of the Customer. All props and head trees are to be provided and subsequently struck free of charge by the Customer

g) When the Bison design requires the units to be temporarily propped, all temporary works design is the responsibility of the Customer. All props and head trees are to be provided and subsequently struck free of charge by the Customer

6.2 Whenever possible the practice of erecting precast units onto temporary bearings shall be avoided. In cases where such measures are unavoidable, fixing must not progress until written confirmation has been obtained by the Customer from a competent technical authority that the temporary structure has been suitably designed. Permission must also be obtained from Bison's Technical Department

#### **7. FAILURE TO PROVIDE ATTENDANCES**

7.1 If the Customer fails to make available any of the attendances / facilities, stipulated above to be provided by the Customer, Bison may at its sole option suspend work on the contract until the required attendance / facility has been adequately provided.

7.2 Any delay in the performance of the works arising from such suspension shall not be deemed a failure on the part of Bison to proceed with the works, in accordance with the provisions of the sub-contract and Bison shall be entitled to claim against the Customer in respect of any loss, damage or expense it may have suffered by reason of the Customers failure or the delay caused thereby.

