

Project Location:  
Harworth & Bircotes Town Hall.  
Scrooby Road, Bircotes DN11 8JP

FC Job Reference: 2017-002-011  
Date: 7<sup>th</sup> February 2018

### **Structural Engineer's Specifications**

#### **Appendix C – Specification for New Expansion Joint to Floors and Lintels**

**Location of Floor Slab:** Conference Room, Corridor 1 & Cleaners Store (Sherwood Surveyor's drawing number: HAR019 refers), Office, Midwife Room and Corridor 2 (Sherwood Surveyor's drawing number: HAR020 refers).

**Type:** Cast-In-Situ Concrete.

**Concrete Grade:** GEN 3 (C20).

#### **Slab Ties:**

- (a) At the existing and the new concrete junction: Provision of 6mm diameter, 400mm long stainless steel Helibars. The Helibars to be resin fixed 200mm deep into the existing concrete at mid depth. The Helibars to be installed at 300mm maximum centres.
- (b) At the new concrete slab (expansion joint): Provision of 6mm diameter, 400mm long stainless steel Helibars with 200mm debonding sleeve. The Helibars to be resin fixed 200mm deep into the concrete at mid depth. The Helibars to be installed at 300mm maximum centres with the debonding sleeve at alternate side of the joint.

**Lintels:** All structural openings – Catnic CGE50/100 or Catnic CGE90/100 to suit width of cavity.