

## **EMPLOYERS REQUIREMENTS - PHASE 1**

ZE

### **CONTRACTOR DESIGNED AND INSTALLED GENERAL STRUCTURAL RELATED REQUIREMENTS**

#### **Masonry Support Systems**

ZE 1000 Provide Masonry Support Systems Comprising Windposts / Rails

ZE 1050 All internal blockwork walls shall be restrained by Ancon IHR-B or similar approved head restraints c/w sleeve fixed to underside of rafters / floors at 750mm centres. Walls built up to underside of composite floors shall be restrained by staggered angles - Ancon FHR

ZE 1100 All members built into or restraining masonry shall be capable of adjustment (Minimum tolerance of +/- 10mm). None proprietary support members are to be tack welded or positively fixed in position on completion of alignment

#### **Steelwork Connections & Fittings**

ZE 2000 Provide Necessary Packing Shims In Connection With All Structural Steelworks

ZE 3000 Provide all necessary steelwork connections including column base plates. All beam connections shall have full beam depth end plates, minimum connection to be 4nr M16 Grade 8.8 bolts or the equivalent in weld. All bolts used shall be galvanised to BS EN 1461:1999 and shall be 8.8 grade to BS 3692:2001

ZE 3050 All welding shall comply with BS EN 1011-2:2001 and BS EN 1011-1:1998. U.N.O. and all fillet welds shall have a minimum throat thickness of 6mm U.N.O.

ZE 3100 Beams to receive timber wall plates or bearers shall be drilled at 450mm staggered longitudinal centres and standard flange or leg cross centres, holes to be 10mm diameter to receive M8 (4.6) bolts (unless noted otherwise)

ZE 4000 Allow for all necessary secondary steelwork requirements. Note the allowance included on Structural Engineers drawings is for guidance purposes only.

ZE 4500 Allow for providing all fabrication drawings

ZE 5000 All Contractor designs are to comply with Structural Engineers drawings

#### **OTHER WORKS**

ZE 9000 Provide for other works relating to General Structural Requirements which are included within drawings and specifications but not listed above