# Information required for structural design certification

- A checklist identifying the structural content of the project ☐
- A list of the structural design codes with which the design complies. ☐
- An explanation of the basis of design in sufficient detail to allow others to understand the structural principles used. ☐
- The class of the building for purposes of disproportionate collapse consideration (Table 1.1 in the Technical Handbook) and a description of the design measures taken to prevent such a collapse. ☐
- Description of load path to the foundations. ☐
- A statement detailing the dead and imposed loads which are to be applied to the structural elements and an assessment of the loads on those elements. ☐
- Description of how overall stability is achieved or maintained and suitably checked calculations to demonstrate this. ☐
- Name of the organisation or individual who has overall responsibility for the design of structural stability. ☐
- A schedule of software used, and for what purpose. Confirmation that its application and limitations are understood and the results verified. ☐
- Details of the persons undertaking the design. Confirmation of in-house or third party checking procedures, including information on the competence of those persons undertaking the check. ☐
- A list of those items which are to be contractor-designed and which are to be included on Schedule 1 of the Certificate of Design. ☐
- A ground investigation report comprising a desk study, factual and interpretive report. This must include statements regarding the enquiries made regarding mineral stability and the need for special precautions to exclude dangerous gases. ☐
- An existing building appraisal, if applicable. ☐
- Details of any mineral consolidation works undertaken. ☐
- Calculations or other justification for the design of all substructure works. ☐
- Calculations or other justification for the design of all superstructure elements. ☐
- Calculations or other justification for the design of all secondary elements such as roof and wall cladding and its supports and fixings, staircases, protective barriers, glazing and glazing assemblies. ☐
- Calculations or other justification for the design of all ties, fixings and connections. ☐
- Details of movement joints in the structure. ☐
- Evidence of consideration of the need for fire protection to structural elements. ☐
- Evidence of consideration of a fire boundary condition in relation to steel portal-framed structures, if applicable. ☐
- Drawings and specifications required to accompany the application for Building Warrant as detailed in the document 'Procedural Guidance on Certification including information to be submitted with a Building Warrant Application' published by the Building Standards Division. ☐

Note: This list may need to be adjusted depending on the requirements of the project under consideration