

Appendix A

Checklist of Structural Elements

It is the responsibility of the Certifier to identify all of the building elements that should be covered by the design certificate for each specific project. The following list is intended to assist with that process however it should not be regarded as exhaustive.

Design Feature	Sub-Options	Information to be Supplied to Certifier		
		Calculations	Drawings	Other Information
Details of Structural Design Team	Design team organisation			Names of companies providing structural design and scope of their appointment
	Designers and checkers			Details of individuals responsible for design / checking including qualifications and experience
General Design Overview	Condition assessment of existing building		As built	Report on condition
	Loading assessment	Yes		
	Overall stability	Yes		Statement of approach
	Disproportionate collapse	Yes		Statement of approach
	Site investigation scope and application to ground conditions		BH/TP locations	Ground investigation reports (factual & interpretative)
	Bearing capacity	Yes		
	Mineral stability / grouting		Yes	Specification/completion report
Substructures	Basement Raft Spread foundations	Yes	Yes	Specification
	Underpinning	Yes	Yes	Specification & method statement
	Piles Minipiles Cantilever retaining wall Piled retaining wall Mass gravity wall	Yes	Yes	Specification
	Anchored wall	Yes	Yes	Specification and details of anchoring system
Ground Improvement	Dynamic compaction Vibro compaction		Yes	Specification/ test reports
Structural Fire Protection	Elements of structure		Yes	Period of fire resistance and method/specification for achieving required standard
	Portal frames	Yes	Yes	Boundary condition requirement

Design Feature	Sub-Options	Information to be Supplied to Certifier		
		Calculations	Drawings	Other Information
Principal Superstructure	Structural frame Structural movement joints Suspended floor(s) Loadbearing walls Slab on solid Shear walls Racking panels Stair enclosure(s) Staircase Roof structure Link bridges Galleries and catwalks Ties, fixings & connections Slappings	Yes	Yes	Specification
Building Envelope	Elevation cladding Curtain wall Masonry / brick / block Rainscreen cladding Overcladding Glazing Roof cladding Windows	Yes	Yes	Specification - Calculations may be replaced by appropriate test certification
	Cladding movement joints		Yes	Specification for construction
	Wall ties			Certification reference
	Fixings & Supports	Yes	Yes	Calculation may be replaced by appropriate test certification
Secondary Structure	Protective barriers	Yes	Yes	Specification and fixings details
	Internal partitions Suspended ceilings	Yes	Yes	Calculations may be replaced by appropriate test certification for proprietary systems
Other Structure	Canopies Balconies Catwalks and gangways Tank supports Stages and raised platforms Tiered seating Bridges, boundary walls & fences Masts, Flagpoles, Advertising hoardings	Yes	Yes	Specification - Calculations may be replaced by appropriate test certification for proprietary systems

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