

Scope of services and conditions of engagement

Clarification of ACE Schedule of Services – Part G(a) and The Association of Consulting Engineers Conditions of Engagement 2009, Agreement 1, Design

Services	Excluded	Notes
Geotechnical engineering	✓	Geotechnical advice to be procured through the SI
Pollution and contamination advice and liability including asbestos or waste containing asbestos (B13 and B14)	✓	It is assumed that this will follow the recommendations of the SI.
Liability for terrorism (B15)	✓	
Programme		Advice on programme as required
Design team meetings – number and/or frequency		assume 1-2
Site visits – number and/or frequency (B16)		1 visit pre tender
Professional Indemnity Insurance		£1,000,000
Public liability Insurance		£5,000,000
Period of liability (B17)		6 years
Printing & traveling expenses		
Drawing Issues		All information issued as pdf drawings and .dwg files where requested. All drawings will be A3.
Proposals for alternative works	✓	Changes after tender or during construction are subject to additional fees to be agreed with the client
Parliamentary powers	✓	Assume not required
Planning and other consents		Documents for submission to Building Control
Negotiations with third parties		Supply information for Party Wall awards. Meetings with party Wall surveyors excluded
Economic and financial viability of the works	✓	Not required - by QS
Contamination investigations	✓	All carried out through the SI
Feasibility study	✓	Assume already completed
Remediation works	✓	
Contractors alternative designs	✓	Changes after tender or during construction are subject to additional fees to be agreed with the client
Preparation of shop drawings	✓	
RC placement drawings and bar bending schedules		post tender work
Review designs by others	✓	
Review designs for compliance to performance specification	✓	
Additional site visits		Site visits as required for inspection and agreement of civil/ structural work - post tender work
Provide information for bills of quantities	✓	To be agreed
Prepare bills of quantities	✓	By QS
Price bills of quantities	✓	By QS
Advise the client in connection with any claim	✓	Excludes preparation for mediation, adjudication or arbitration.
Assist in respect of financial claim or dispute	✓	Excludes preparation for mediation, adjudication or arbitration.
Support of others employed in providing any of the services specified.	✓	
Resident engineer	✓	



Scope of work

Clarification of The works as referred to in the ACE Schedule of Services – Part G(a). Also to be read in conjunction with CIRIA Guide 556; Managing Project Change - A Best Practice Guide.

FD Engineer will provide full design with construction drawings and specifications

DD Engineer will provide design drawings with specifications. Contractor to carry out workshop/fabrication drawings

PS Engineer will provide performance specification with indicative drawings. Contractor to fully design & detail. SE review proposals

Scope of work	Service			Other input			Notes
	FD	DD	PS	MC	TC	Other	
Site investigation			✓				
Earthworks & excavation	Excavation & filling	✓					It is assumed that this will follow the recommendations of the SI and no further advice is required at this stage.
	Contamination					✓	
Foundations	Piling					✓	Final design by contractor using sizes and loads provided by engineer.
	Pile caps & ground beam	✓					
	Pads & strips	✓					
	Rafts	✓					
Earth retaining structures	Traditional	✓					Water retaining structures
	Proprietary					✓	
Below ground drainage	Public health		✓			Architect	Provide details of all drainage below ground slab using layout as advised by Architect. Drainage flows provided by others. Fees do not include for any additional / protracted negotiations with Water Authority
	Storm water		✓			Architect	
Paved surfaces						Architect	Engineer and Architect to agree principle of waterproofing. Details of waterproofing that are constructed as part of the structural works to be detailed by the engineer, applied waterproofing or drained cavities to be detailed by the Architect.
Below ground waterproofing			✓			Architect	
Concrete	Reinforced insitu	✓					RC placement drawings and schedules provided post tender.
	Precast		✓				Supplier to design precast units following performance specification by Momentum.
	Post tensioned					✓	
	Proprietary systems					✓	
Masonry structures	Vertical load-bearing	✓					Sizes of Architectural metalwork by engineer, mark up Architect's detailed drawings.
	Internal non load-bearing					✓	
Steelwork structures	Primary structures	✓					Detailed design and fabrication drawings of cross laminated panels or SIPs by supplier
	Secondary structures					✓	
Timber structures	Primary structures	✓					Detailed design and fabrication drawings of cross laminated panels or SIPs by supplier
	Secondary structures		✓				
	Proprietary structures					✓	
Specialist structures	Glass	✓					
	Fabric						
	Cable						
	Plastics						
Facade	Envelope and balconies					Architect	
Demolition							
Builderswork	Co-ordination						
Miscellaneous	Cladding Support						
	Site Infrastructure						

