

CSSW REVIEW

Structural Waterproofing & Gas Protection
Design Review & Strategy by
Certified Surveyor of Structural Waterproofing.



PROJECT CSSW OVERVIEW

STRUCTURAL WATERPROOFING & GAS PROTECTION DESIGN REVIEW & STRATEGY BY CERTIFIED SURVEYOR OF STRUCTURAL WATERPROOFING.

Project Information

Project Name

Main Contractor

Groundworks Contractor

Project Location

Structural Engineer

Start Date

Architect

Client

Warranty Provider

Build type

- ☐ New build
- ☐ New build with Existing substructure
- ☐ Refurbishment

What stage of works is the project at?

- ☐ Tender ☐ PCSA ☐ Demolition
- ☐ Piling ☐ On site

Waterproofing Requirements

Who is instructing the Waterproofing Specialist for Detail design?

Any existing/preferred Waterproofing Strategy in place?

- ☐ Type A ☐ Type B
- ☐ Type A & B ☐ Type B & C
- ☐ Type A & C ☐ Damp-Proofing
- ☐ Manufacturer Proposed

Who is taking Design responsibility?

Basement (below ground floor)

Edge Detailing (between ground floor & DPC)

Podium Deck areas

Grade of Environment

1A ☐ 1B ☐ 2 ☐ 3 ☐

Water Table Level

(Above or below lowest point of structure)

☐ High ☐ Low ☐ Variable ☐ Perched

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Gas / Contamination Protection Requirements

☐ SI report received?	How points will be achieved
Building type	☐ Structural Barrier ☐ Ventilation Measures ☐ Membrane
Gas Character Situation (if relevant)	☐ Hydrocarbon/VOC protection required?
☐ CS1 ☐ CS3 ☐ CS5	Prominent Hydrocarbon type/s:
☐ CS2 ☐ CS4 ☐ CS6	
Number of points required	Max Radon Potential % (based on ukradon.org)

Basement Specific Information (leave blank if no basement/retained areas)

How will basement walls be constructed?	Does the basement contain the following?
☐ Sheet piles	☐ Sprinkler/Attenuation tanks requiring waterproofing
☐ Secant piles	☐ Areas requiring no waterproofing ie: Tarmac car parks
☐ Contiguous piles	☐ Lightwells
☐ Freestanding retained wall	Type C drainage channel location (if required)
☐ Other (please specify below)	☐ Rebated Slab
	☐ Within Insulated floor build up
Number of levels below ground	Are there Podium Deck Areas?
	☐ Ground floor ☐ Above ground floor

Ground Level Specific Information (leave blank if no ground level areas)

Are the following items proposed?	Is membrane above or below slab?
☐ Retained areas at building perimeter more than 150mm above FFL	☐ Above ☐ Below
☐ Steps in the slab	☐ Is there Metsec wall or brick and block at building edge?
☐ Movement Joints	☐ Can DPM be substituted for Waterproof Concrete (Hydrocrete) as VE option?
☐ Liftpits	
☐ Escalator Pits	
☐ Sunken refuse/Bin pits	
☐ Metsec Wall at Building edge	Edge Detailing requirements (up to DPC):
☐ Brick and Block wall at Building edge	

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Further Information Requirements

Have the following drawings been received?

☐

Architectural

☐

Structural

Are there any further drawings required?

Any other considerations/comments on the project?

Premcrete Commercial & Technical Appraisal

Key Measures:

Substructure Slab Area:

Approximate Pilecap/Groundbeam Surface Area:

Substructure Wall Area (if appropriate):

Total Substructure Surface Area:

Estimated Watertight Concrete Volume:

Heave-Protection Area:

Proposed Systems:

Estimated cost of project:

Estimated number of Premcrete detail design drawings required:

Project Specific

Typical Details

IMPORTANT NOTE:

Any guide measures provided and approximations of project value should be verified by the contractors surveyor.

Authorisation

Project reviewed by:

Job title:

Qualifications:

Date of review:

Signature: