

Commissioning Letter

Camrosh Limited
St John's Innovation Centre
Cowley Road
Cambridge
CB4 0WS

24th January 2024

PS22407 – Research Collaboration Network Framework for – PS23406 Modern Methods of Construction (mapping) Research project.

Thank you for your response to the Specification for the above Commission by Department for Business and Trade (the Contracting Authority) through PS22407 – Research Collaboration Network Framework dated 14th December 2023.

Contracting Parties

This Call-Off Contract is between

- (1) Department for Business and Trade; and
- (2) Camrosh Limited (the Framework Agreement).

Annexes: A - Mini-Competition Tender dated 04/12/2024
B - Suppliers Mini-Competition Response 14/12/2023
C – AW5.2 Price Schedule

Department for Business and Trade accepts your Mini-Competition Response (Annex B), submitted in response to our Mini-Competition Tender (Annex A).

Terms and Conditions

The Terms and Conditions applicable to this contract are those set out in PS22407 – S3 – Services Purchasing Contract to the Framework.

Contract Price

The agreed total charges are £116,952.00 exclusive of VAT

The breakdown of the total contract charges are:
Please see the Price Schedule in Annex C below.

The agreed invoice schedule is as follows:

- First 25% payment after completion of Stage 1: Desk-based research and literature review (Submission of Stage report and presentation)
- Second 25% payment after completion of Stage 2: Stakeholder interviews (Submission of Stage report and presentation)
- Final 50% payment after completion of Stage 3: Analysis report (Submission of Stage report and presentation)

All invoice(s) should be sent to [REDACTED]

[REDACTED]

Your invoice(s) for this work must include the following information: Commission number: PS23406. Also, you will be sent a PO number which will need to be included on all invoices.

You are reminded that any Intellectual Property Rights provided in order to perform the Services will remain the property of the Contracting Authority.

The Services Commencement Date is 25th January 2024

The Completion date is 9th September 2024

The Contract may be terminated for convenience by giving 30 days' notice in accordance with clause A3-8 of the PS22407 – S3 – Services Purchasing Contract.

Where GDPR applies, The Supplier shall only process in accordance with the instructions as advised in Annex C and comply with any further written instructions with respect to processing by the Contracting Authority

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Congratulations on your success in being selected to undertake this Commission.

Yours sincerely



BY SIGNING AND RETURNING THIS COMMISSIONING LETTER THE SERVICE PROVIDER AGREES to enter a legally binding contract with the Customer to provide to the Customer the Services specified in this Commissioning Letter and Annexes incorporating the rights and obligations in the Call-off Terms and Conditions set out in the Framework Agreement.

Annex A – Mini-Competition Tender

Modern Methods of Construction (mapping) Draft Specification

1. Brief Introduction / Aims & objectives

The Office for Product Safety and Standards (OPSS), part of the Department for Business and Trade (DBT) is the national regulator for construction products. OPSS was created in January 2018 to deliver consumer protection and to support business confidence, productivity, and growth. We regulate a wide range of products with a focus on their safety and integrity. We work with local, national, and international regulators, with consumer representatives and with businesses to deliver effective protections and to support compliance.

Our mission is to be a trusted product regulator for the UK. This means protecting people and places, enabling business to thrive and empowering consumers to make good choices. We will be a leader of good regulatory practice and a champion of local regulation.

OPSS is:

- the national regulator for all consumer products, except for vehicles, medicines, and food
- the national regulator for legal metrology, ensuring weighing and measuring instruments are accurate and reliable.

The construction products team are currently undertaking baseline research projects to establish an evidence base on specific areas of the construction industry.

As the national regulator for construction products, OPSS will work closely with the Building Safety Regulator and local regulators, to promote, encourage and enforce good practice in the construction industry. OPSS will be responsible for ensuring construction products are the right quality and that robust, effective regulatory action is taken against serious weaknesses and poor practice.

The proposed research has the following title:

"Modern Methods of Construction (mapping)"

Modern methods of construction (MMC) are processes, such as offsite construction and onsite techniques, that pose as alternatives to traditional building. The aim of MMC is to build quicker and more effectively utilise resources in construction using innovative technology. MMC often use traditional construction products incorporated into new methods, such as factory-built fully fitted out modules or prefabricated structural systems.

The research project will investigate a range of MMC products that are of interest to OPSS as the National Regulator of Construction Products (NCRP), a greater understanding of which is needed to highlight area of potential risk and prioritise future workstreams. This project would map individual products and manufacturing processes to MMC through desk-based research and literature review and would provide a useful resource to understand where OPSS' remit lies. The aim of this is to determine which products and any constituent parts are used in MMC to understand performance demonstration at both product and system level. For example, if an MMC unit fails, is it due to a component that is covered by CPR, or is it due to a defect in the off-site manufacturing process? This mapping exercise will assist OPSS with its obligation to ensure that

products used in buildings are the right quality and that robust, effective regulatory action is taken against serious weaknesses and poor practice.

The UK government has encouraged businesses to increase use of MMC to increase sustainability. As a result, growing housing demand and increased availability of MMC, evidenced by greater uptake abroad, the findings of this research will enable OPSS to regulate more effectively. Internally, understanding MMC was deemed a high priority evidence gap in the 2024 research programme signed off by the Construction Product Programme Board.

The maximum budget for this project is £150,000.00 excluding vat over a maximum of 12 month period.

2 Research Stages

Stage 0: Scoping and MMC identification

The research will initially identify no less than 5 MMC to focus the remainder of the study on. The selected MMC must have identifiable construction products in its supply chain that OPSS want to regulate as NRCs.

Stage 1: Desk-based research and literature review

The research will consist of desk-based research and literature review (both academic and grey). Existing policy literature on MMC, the scope should identify the MMC currently used in the UK, which MMC are expected see greater uptake in the future. This should include details on all constituent parts of MMC manufacturing processes, intermediary products and related information leading to on-site MMC building. Each stage should seek to identify the regulatory challenges associated with MMC production, installation performance against a designated standard, safety, existing products, sustainability and other. Will also determine what the regulatory & sectors which are currently used in place how these are currently covered in construction and existing regulatory rules. The review will identify which construction products are used under the specific MMC categories in the production, manufacture and installation processes with a view to understanding which products are covered by a designated standard (CPR 2013).

Stage 2: Stakeholder interview

The supplier will engage with MMC manufacturers wherever through individual interviews to verify inputs from the literature review, identify any differences that may exist between their industry and industry view and understand if variances exist between different manufacturing processes. The interviews will be carried out with multiple stakeholders for each MMC to ensure varying findings and identify any gaps in information or any issues that the industry has experienced. This stage should seek to understand how current standards interpreted questions the one that fall under CPR 2013) and issues that might arise on regulatory data.

Stage 3: Analysis report

The third and final stage of the research should provide an analysis report that consolidates the information gathered during stage one and two. The report should detail findings from the literature review and stakeholder interviews. It should highlight differences between stakeholders, such as current applications of MMC and variations in manufacturing stages, installation methods and use of constituent parts. This stage should combine the findings for each MMC to produce a product map to set out all constituent parts and processes involved in manufacture. The map should set out the specific variables identified and serve as a useful resource to understand what makes up a MMC.

3 Project Delivery

3.1 Output

Interim reports will be provided at the conclusion of stages 1 & 2, detailing findings so far. Regular findings will be used to monitor progress and capture delivery issues.

A final report will include findings and analysis from each stage including:



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[REDACTED]

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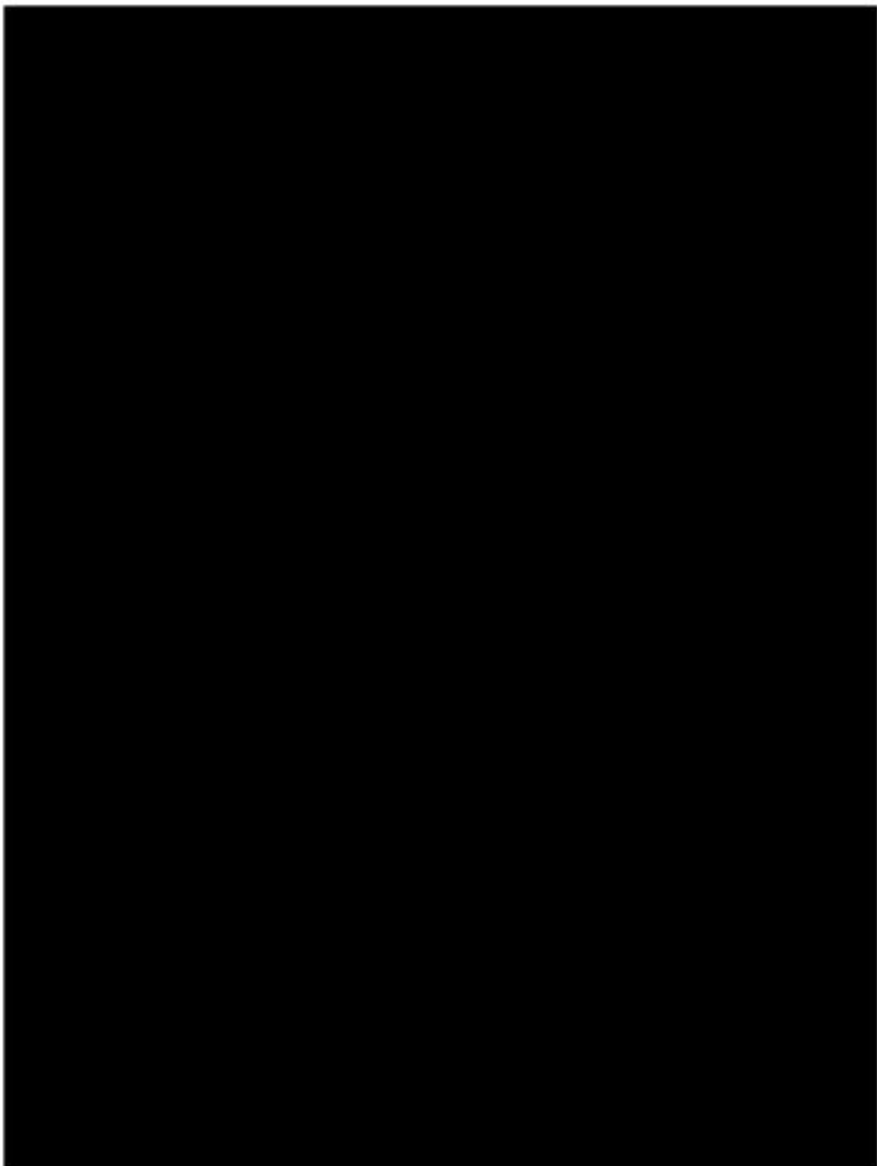
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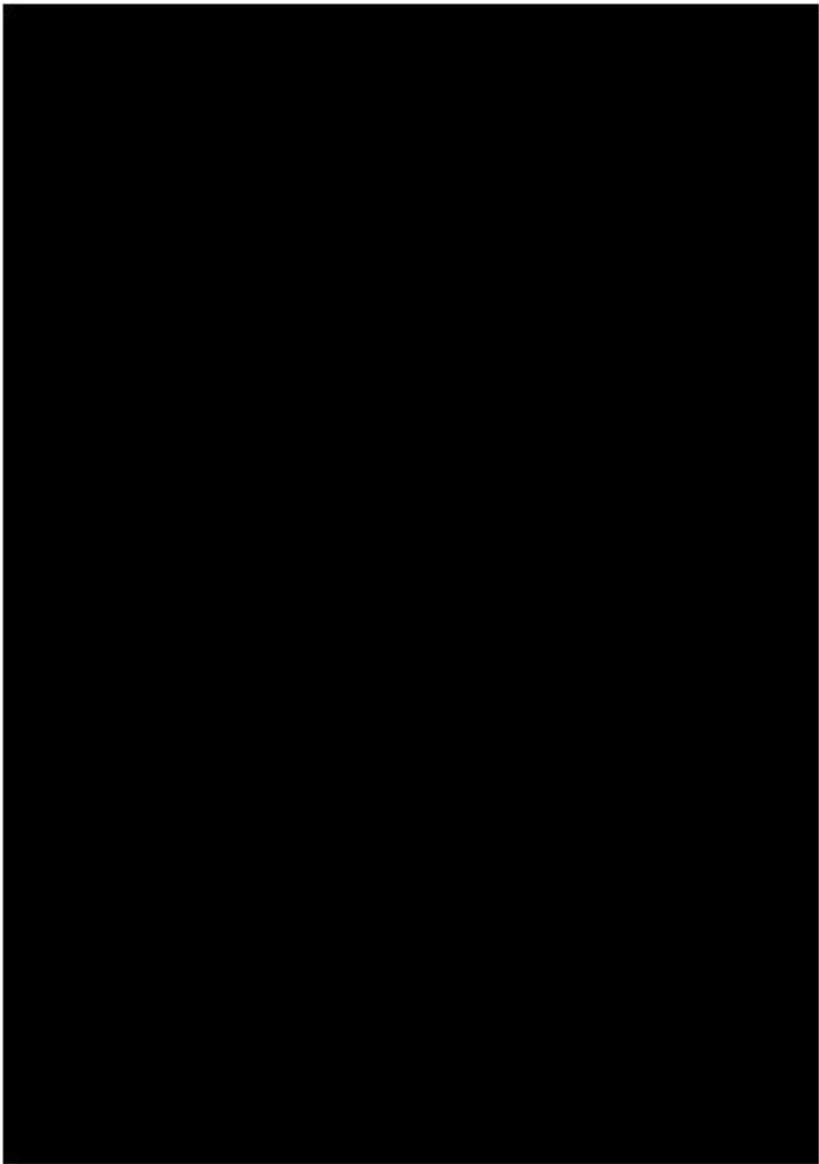
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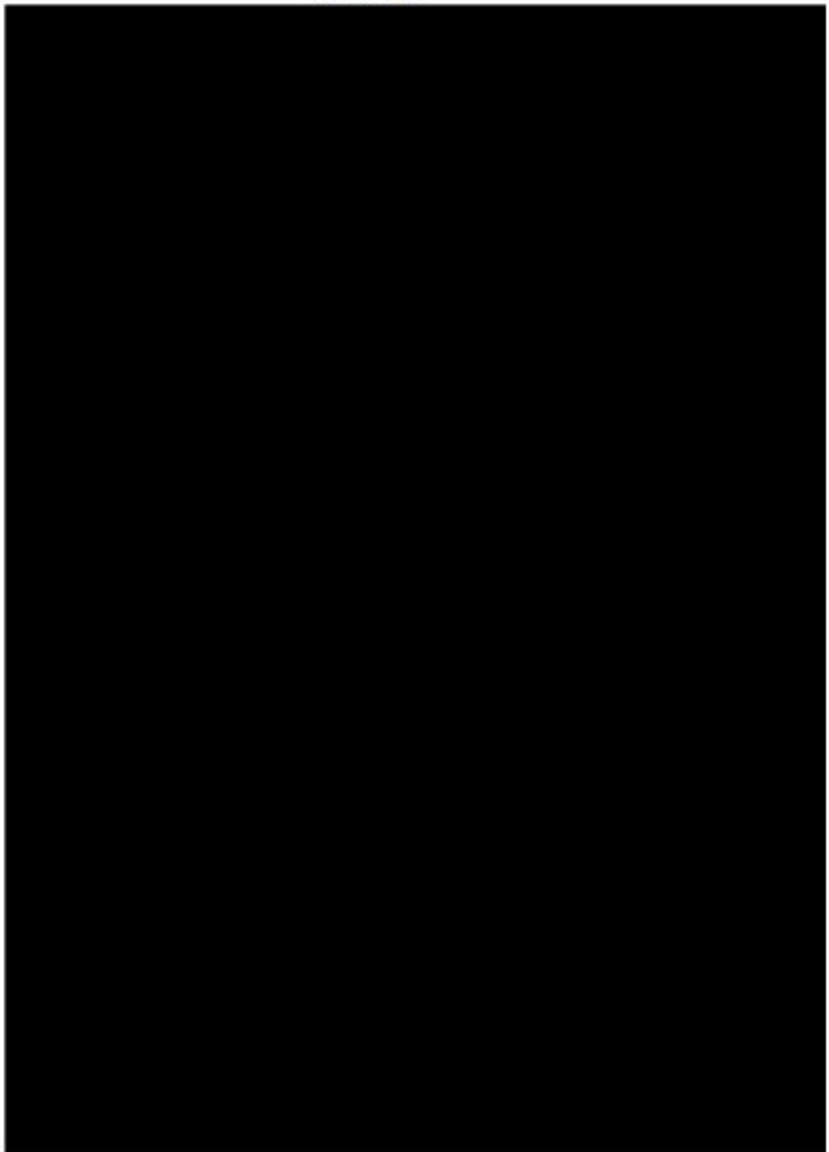
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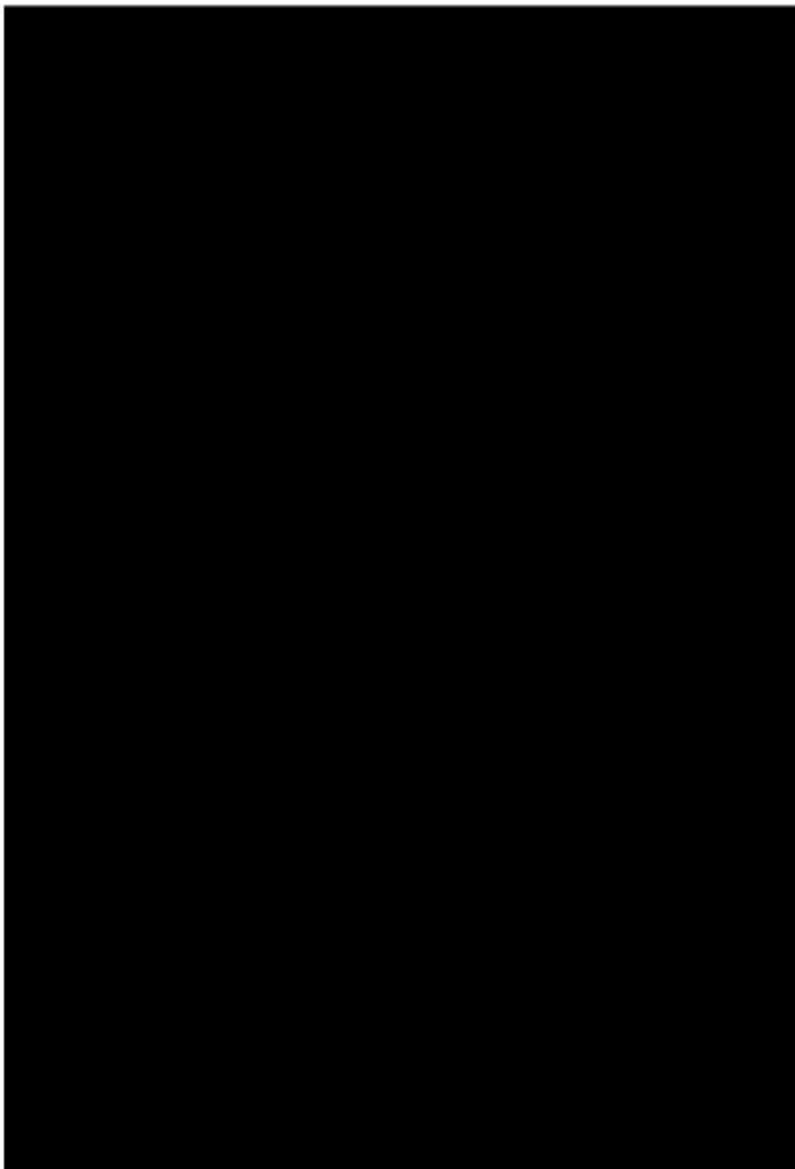


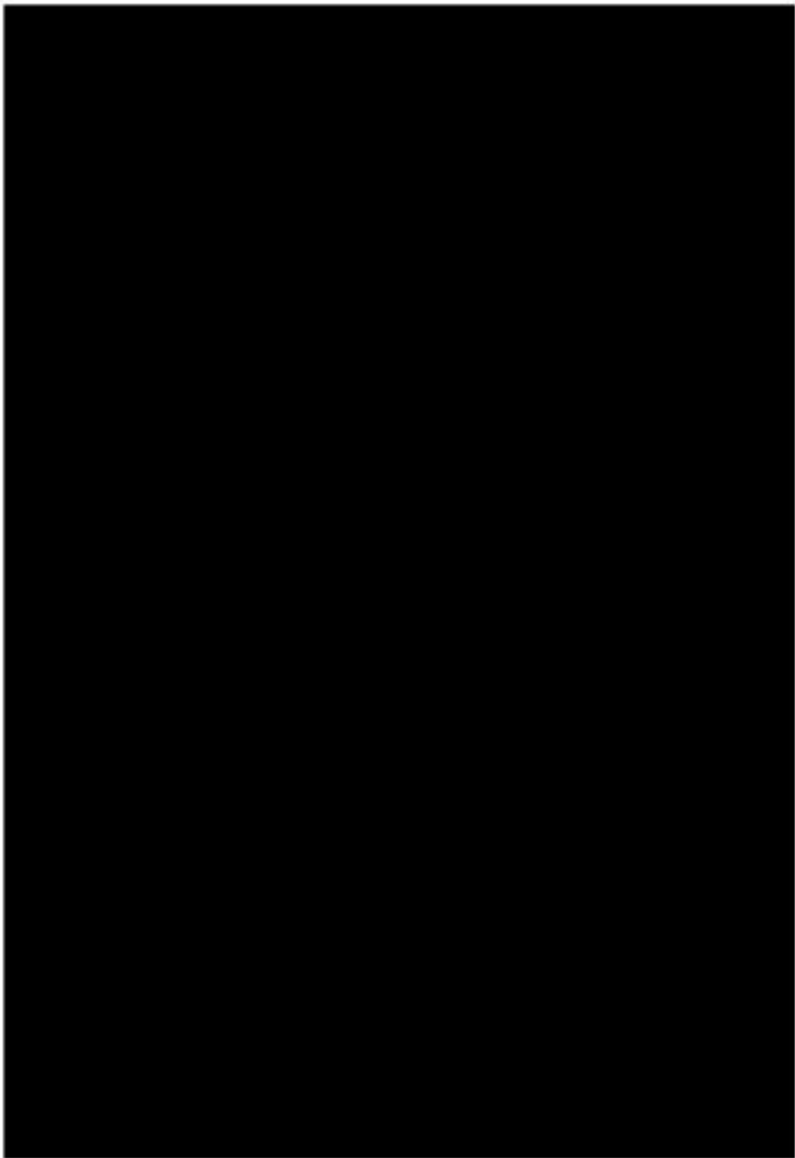


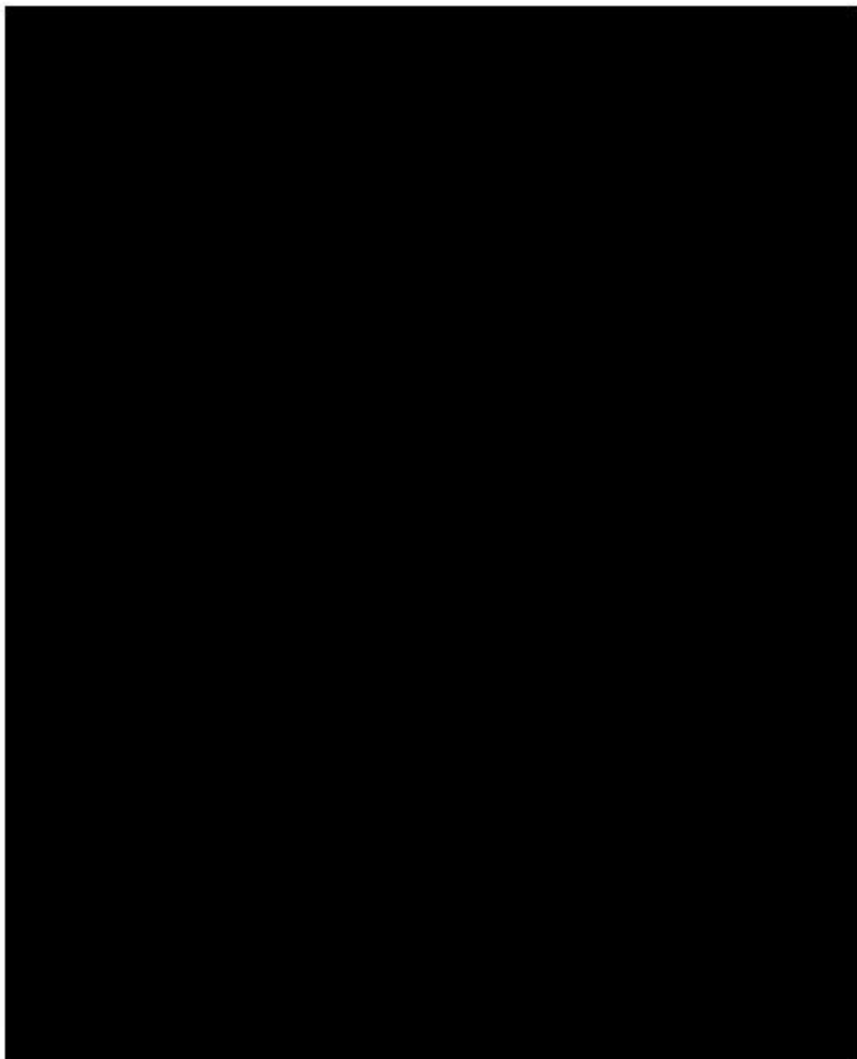


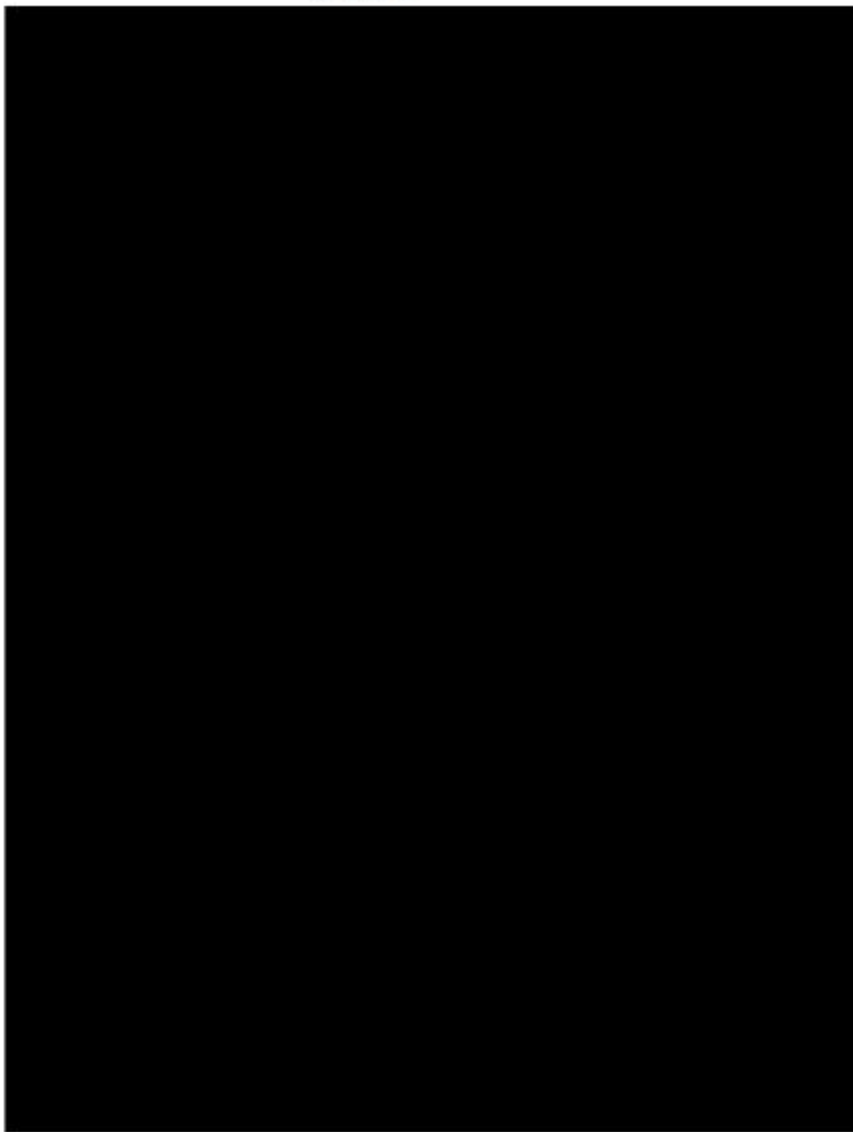


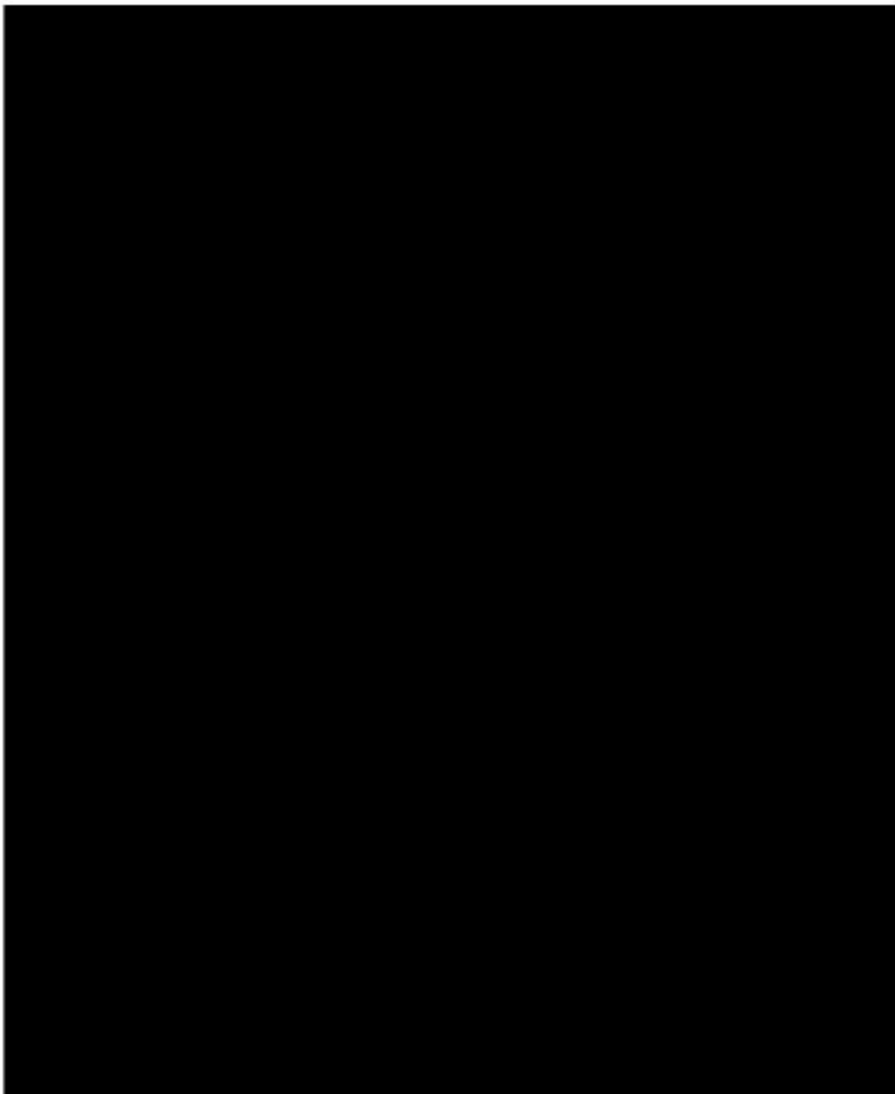


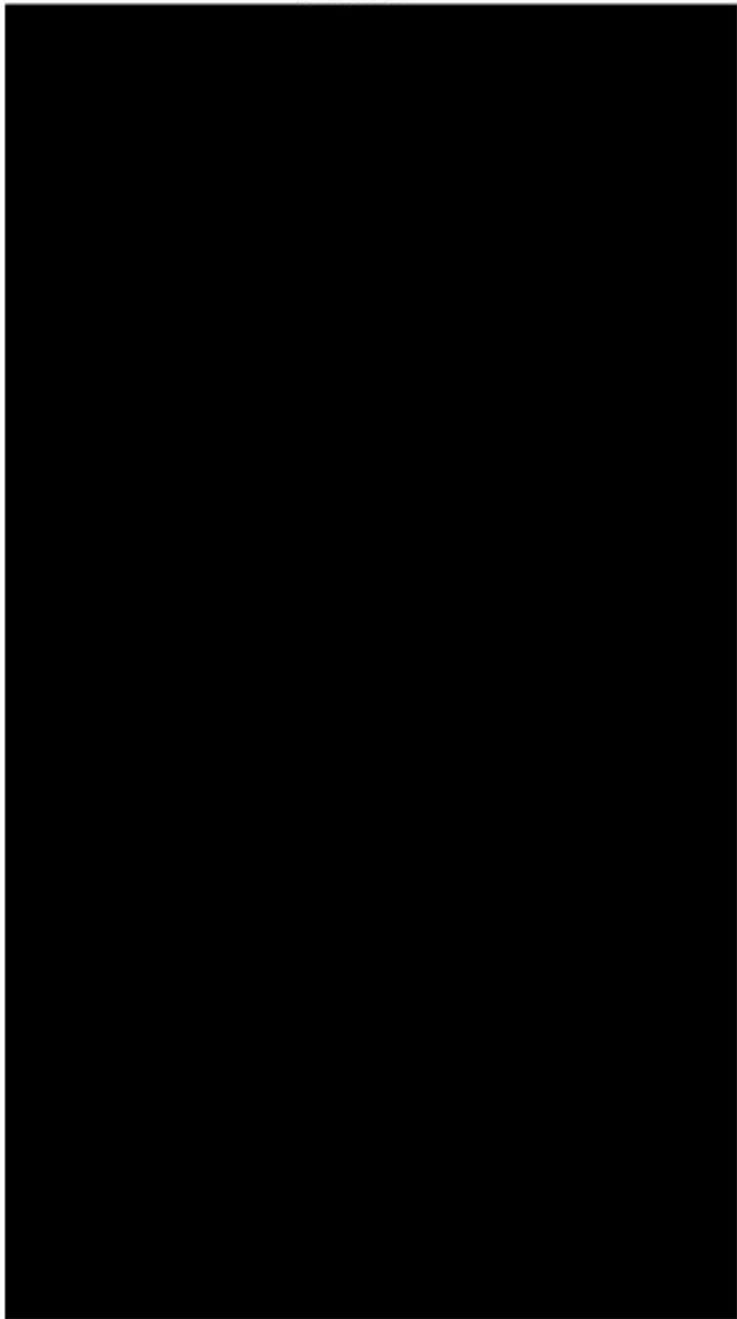


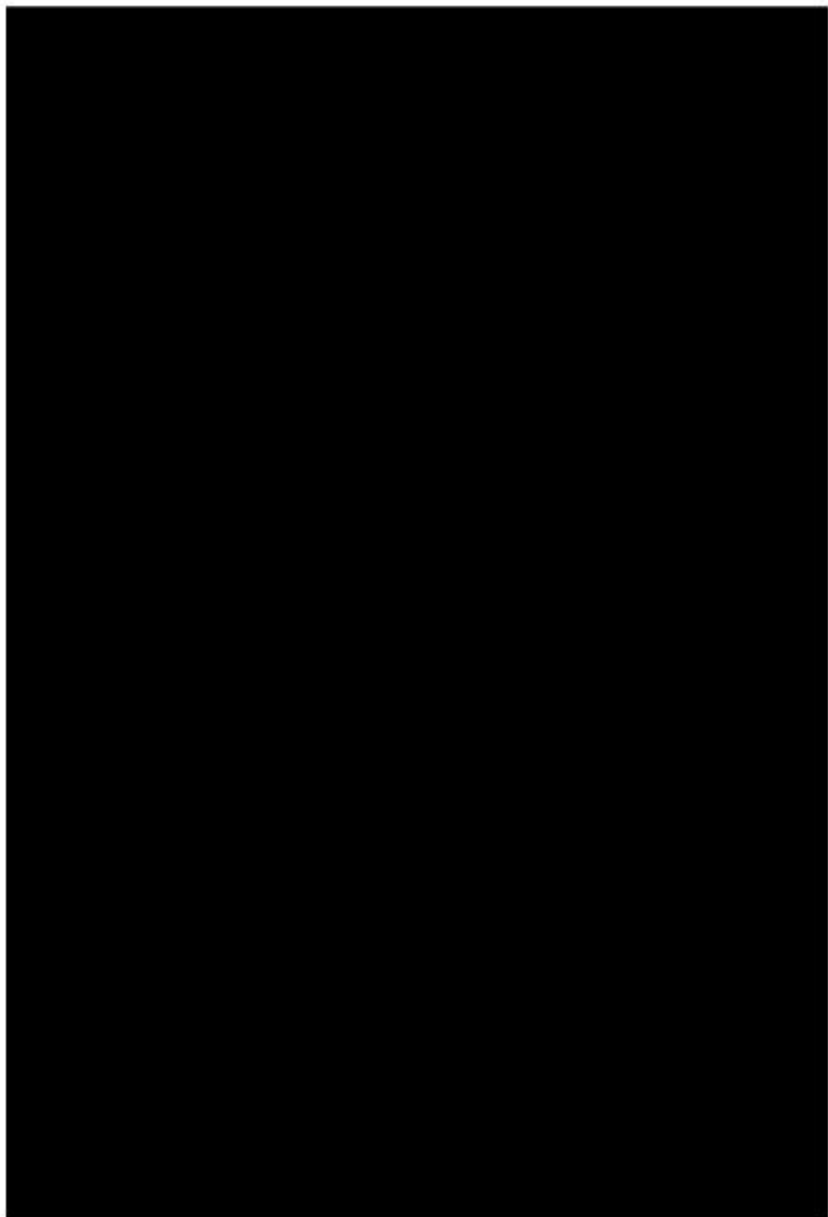


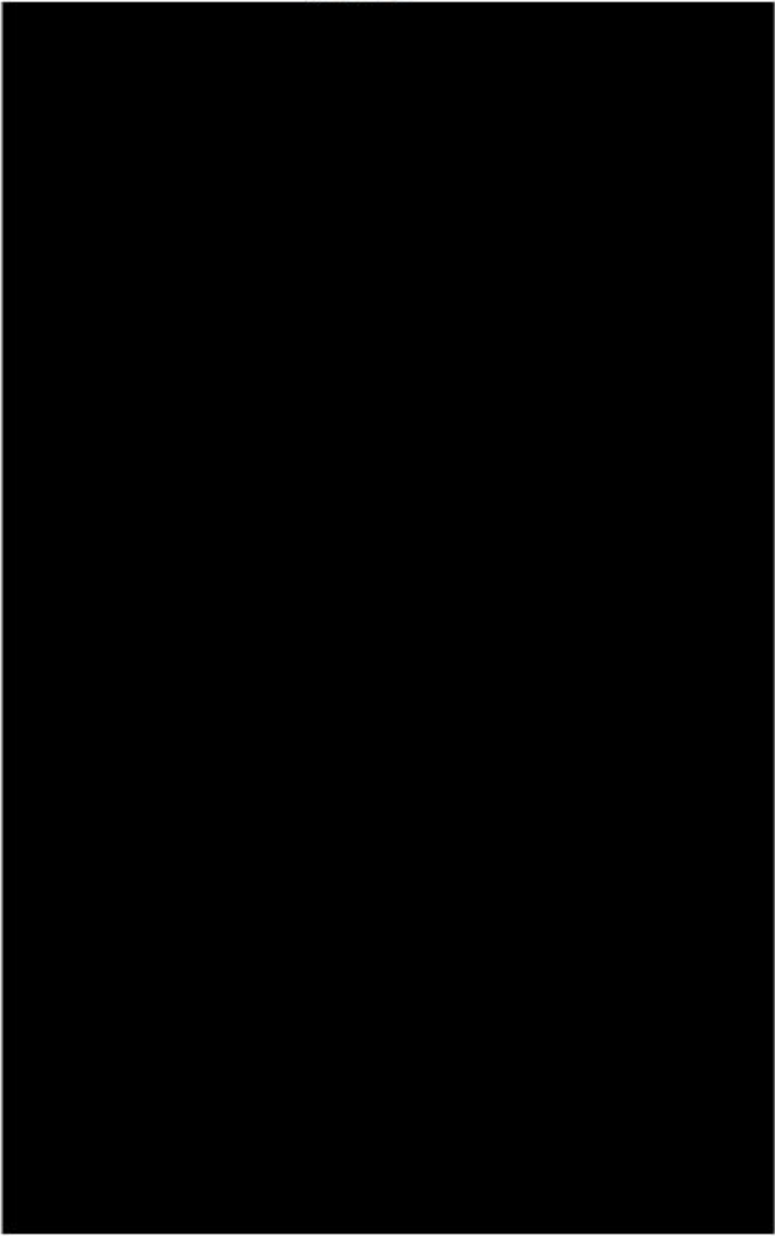














Annex C – AW5.2 – Price Schedule

The charges for the full duration of this Contract are: £116,952.00 excluding VAT.

A breakdown of the costs is shown in the AW5.2 response below.



