

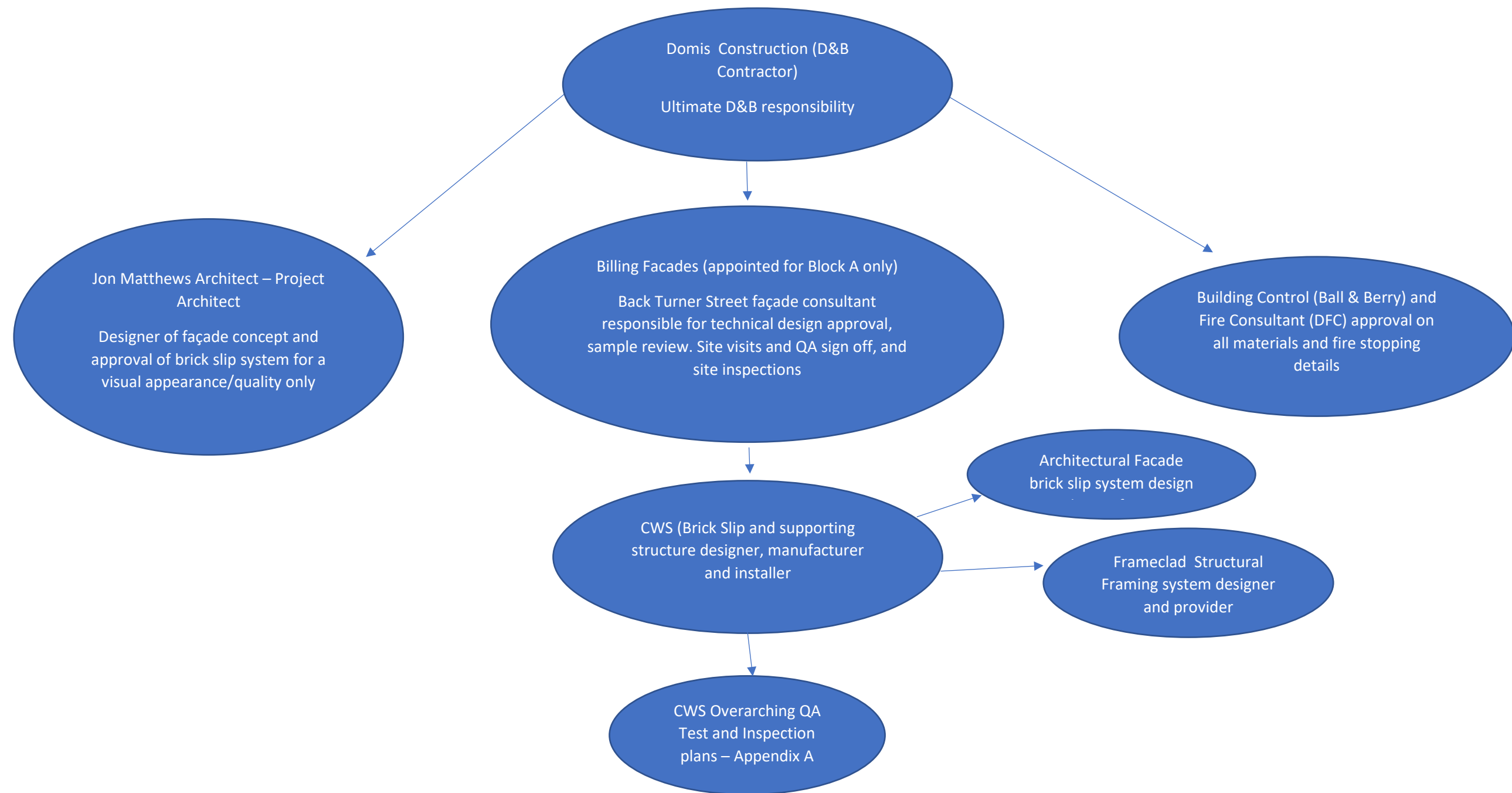


**Back Turner Street Block C Façade
Visual Mock-Up Quality Control Schedule**



Overview of General Quality Control Process for brick slip system façade on Block C

Parties involved



Due to the bespoke detailed nature of the Block C façade on Back Turner Street and the adjacency of public highways and neighbouring buildings the quality control process for the façade is critical to ensure the façade matches the planning design intent and also provides a façade which can be secure and safely maintained over future years, a summary of the process from initial design to completion of façade panels is shown below;



#	Title	QC Image	JMA Comments	DOMIS Comments	Façade Consultant Comment	Quality Control Process Sign Off	Signed off & Site Installed
01	Brick and mortar selection		Brick Selection No comments previously signed off by MCC	As JMA comments	Aesthetics signed off, quality control process ongoing under site inspections, against specification requirements.	-	

02	Stepped brickwork detail with naturak mortar		Visual approval by MCC	As JMA comments			
03	Curved brickwork detail with snapped header bonded brickwork		Visual approval by MCC			Review of façade panel installed at Back Turner Street. Review at hold points as T&I plan and site reviews.	

04	Stack bonded sample		Visual approval by MCC					
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Back Turner Street: On site adhered brick slip

Item	CWS/Architectural Facades response	Comments
Design completion	The design should be completed prior to the commencement of the installation, there may be unforeseen design elements that come to light during the installation process that shall be considered and addressed on an individual basis.	
Movement of structure system ability to cope	The substrate and supporting structure must be capable of transferring all additional loading due to the installation of the system to the ground in a satisfactory manner. The adequacy of the substrate and supporting structure must be verified by the person or party responsible for the global stability of the building to which the system is applied. Movement joints should be incorporated into the system in line with existing movement joints in the building structure.	- M&T report + pass to Architect for movement joint locations for elevations.
Thermal calculations	U Value calculations conducted using JPA software package for the full through wall build up to determine the required insulation thickness to achieve target value. Condensation risk analyses are carried out at the same time to ensure there is no risk of interstitial condensation.	
Interfaces, windows, slab edge, head, etc.	All interfaces require a double seal, this is predominately covered in the standard detail pack but project specific detailing will be provided to ensure robust terminations are maintained in all circumstances.	
No Cavity and effect of potential water penetration	Drainage cavities are sometimes required by NHBC/Premier as a second line of defence against condensation build up but if not specified by a particular insurer then a cavity is not required. When air cools down, it releases moisture as condensation, and this is known as the dew point temperature. If this dew point temperature is reached within the fabric of a property, such as walls, it will deposit water within these components and cause what we call interstitial condensation. The U Value calculation and subsequent specification of insulation thickness eliminates the risk of Interstitial condensation occurring.	
QA/QC process ON SITE	Specification and standard details, as well as project-specific details where required, are produced for every project. Installer training and support materials are provided to ensure that the installer is competent and understands the installation process and specification. Site visits are carried out on a regular basis, normally every two weeks, and technical reports with photographic evidence are produced. Any non-compliance issues will be recorded	
Testing data and assessment	System tested and certified in accordance with the testing requirements as set out in ETAG 004	
Fire compliance	A2 s1 d0 Euroclass fire classification included on DIBt certificate. A2 s1 d0 Fire classification report 903 1314 000-23k3c (NDA required)	
Testing data	System and system components tested in accordance with ETAG 004. 5.1.3.1 Water absorption (capillarity test) 5.1.3.2.1 Hygrothermal behaviour 5.1.3.2.2 Freeze-thaw behaviour 5.1.3.3.1 Resistance to hard body impact 5.1.3.4 Water vapour permeability (resistance to water vapour diffusion) 5.1.4.1.1 Bond strength between base coat and insulation product 34 5.1.4.1.2 Bond strength test between adhesive and substrate 35 5.1.4.1.3 Bond strength test between adhesive and insulation product 5.1.7.1 Bond strength after ageing	- Test data to be reviewed by façade consultant/designer.