

Iverson Road – Revised Green Wall Proposals

Introduction

The Iverson Road project was originally designed as Cross Laminated Timber construction and a full set of design information was issued on this basis. It subsequently became apparent that the external fabric of the building, using the CLT solution, was unlikely to meet the scheme requirements in terms of acoustic and thermal performance.

The decision was taken to change the construction approach and use a timber frame solution which would provide much better performance in terms of acoustic and thermal performance.

Unfortunately, the characteristics of the timber frame system and the construction build-up of the brick slip system to the flank wall are such that a tensioned steel cable system was deemed not to be structurally viable and would not be guaranteed by the manufacturers of the cable system.

Landscape Statement

Davis Landscape Architecture has been asked by our client to review the green wall strategy to the west elevation of the Iverson Road development. This review is necessary as the end wall construction to which the stained wire supports were to be fixed (as illustrated on the Conditions drawing L0265SK06 (approved 23rd October 2013)) has been changed and as a consequence as is no longer suitable for this type of support system fixing.

Our brief was to find a solution to effectively 'green' the end elevation of this building without fixing a climbing support system directly to the fabric of the building.

Our proposed solution is the construction of a steel frame into which horizontal and vertical steel bars are inserted. This will form a climbing support lattice for twining plants to the bottom third of the building elevation. This frame and supports are to be constructed independently of the building façade.

The climbing plants specified are a combination of twining and self clinging varieties. The twining varieties will climb the supporting frame to its full height. The self clinging varieties will initially use the frame then the fabric of the building for support. The use of the self clinging climbers will enable the complete greening of this elevation without the need for a supporting structure to the full height of the building. The self clinging plant varieties *Hedera colchica* and *Parthenocissus tricuspidata* will both climb to a great height and easily have the capability to cover this elevation.