



**By e-mail only:** Ondrej Hrubesh (ondrejhrubesh@sisk.co.uk)

**Reference:** Maiden Lane Estate: Glazing requirements

**Project No:** 1313554

**Date:** 19th November 2013

## Technical note 4

I understand you are looking for further information regarding the design intent to satisfy the glazing requirement which has been set to meet the acoustic performance criteria.

The project criterion for the highest-performing façade has a requirement to meet a performance in Octave Bands from 63 Hz to 8kHz.

The glazing configuration required to meet this high performance will need a heavy double glazed unit (with laminated panes) and a secondary laminated pane with a substantial cavity between the two units.

A typical configuration which is capable of achieving this performance is a double-glazed unit of an 8mm laminated pane + 16mm cavity + 6mm pane with a secondary unit of a 14mm laminated pane which is installed at least 350mm from the double glazed unit. Variations in thicknesses of glazing units may still allow the requirement to be achieved.

The double glazed unit and the secondary unit will need to be in separate frames which are not linked to each other. There may also be a need for absorption on the internal reveals.

Test data will be required to show the performance of the configuration proposed for the development.

If you need anything else at this stage, please let me know.

Ian Harley BSc(Hons) MSc MIOA

**Acoustic Consultant**

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