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Date: 13<sup>th</sup> April 2026  
Reference: R10314-24 Rev 1

Dear Grant,

**Re: Blocks B and C Vastern Road – Secondary Glazing**

We have been asked to provide further information in respect of the proposed change from 8mm glass, to 6mm glass in the secondary glazing system referred to in drawing 448.PL.BC.V.100 Rev C.

The change is proposed as an optimisation led by the Berkeley Sustainability Standard which sets out key sustainability actions that should be considered throughout the stages of development process. One of the three key objectives is climate action, which requires to identify and agree the design approached and measured to drive lower embodied carbon. Reducing the secondary glazing thickness from 8mm to 6mm would contribute to around 25% reduction in glass-related embodied carbon.

Please see charts in Appendix A which show a comparison between the sound insulation performance using 6mm and 8mm secondary glazing, using Insul specialist software. As can be seen, the resultant performance of 52 dB  $R_w$  remains unchanged between the two secondary glazing configurations of 6mm and 8mm. On this basis, the proposed change is considered acceptable.

The proposed change in thickness avoids unnecessary material use, provides measurable carbon saving, aligns with Local Plan Policy CC1 (Presumption in favour of sustainable development), CC2 (Sustainable Design and Construction) and CC3 (Adaptation to climate change), and align with Berkeley Sustainability Standard (2030 Berkeley Vision).

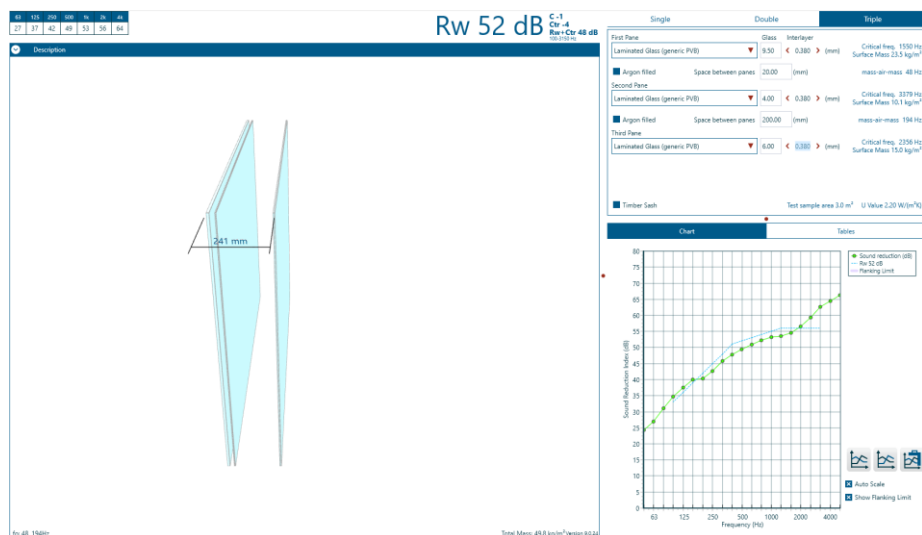
I trust the above is in order – please call if you have any queries.

Yours sincerely  
**For 24 Acoustics Ltd**

Steve Gosling BEng (Hons) FIOA FRSA MAES  
Principal Consultant

## APPENDIX A: COMPARISON OF 6 MM AND 8 MM SECONDARY GLAZING – INSUL V9

### 6 MM GLASS – 52 dB Rw



**8 MM GLASS – 52 dB Rw**

