

GRAVITY DESIGN

22nd February 2023

RE: Ruspini House, 22 Parker St, London WC2B 5PH

This Cover Letter has been prepared by Gravity Design to accompany drawing: GD601/D/510, rev. T3.

Wall types PW07 and PW08 were amended to improve the sound insulation performance of the party wall, following neighbourly concerns raised with regards to the submitted planning application Ref 2022/4952/P.

Although the project doesn't involve any change of use and therefore doesn't strictly require any additional sound improvement, when referring to Building Regulations, we agreed with the client to welcome and act on the neighbours' concerns.

Therefore, we are proposing a significant improvement to the existing solid wall, that only had dot and dab finish and regular Wallboard in the previous revision.

The new wall build-ups, clouded in red on drawing GD 601/D/510, rev. T3, include new 38mm timber battens with 25mm acoustic insulation in between, closed off by two 12.5mm of plasterboard layers (one of which is a Gyproc Soundbloc, to further reduce the transmission of sound).

This detail was based on the GypLyner Universal within the "White Book", system reference B226008. If compared with a regular 100mm solid masonry wall, the B226008 provides a 10dB improvement over the existing wall.

This is considered to be sufficient to help mitigate the transmission of sound, going beyond what is required by Approved Building Regulation part E - Resistance to the passage of sound.

Please let me know if you require any further information.

Kind Regards,

Lisa Hammond
Managing Director