

**Introduction**

Scotch Partners has received the following comments from the Greater London Authority in response to the Noise and Vibration Impact Assessment (Revision 02, dated 20/12/2018) issued as part of the planning submission:

1. A table of the average day and night-time noise results for each of the assessment points.
2. Mitigation measures to be put in place to ensure that external (private and communal) amenity areas would experience acceptable levels of noise (i.e. below the max 55 dB as recommended by the WHO).
3. How the applicant proposes to mitigate and noise from the use of the MUGA above building 6?

We offer the following commentary in response to these.

**Item 1, average noise level tables.**

The following data follows the same notation for measurement locations as presented within the Noise and Vibration Impact Assessment report. These are presented as arithmetic averages of all measurements carried out during each time-period.

Measurement Position	Average daytime noise levels	Average night-time noise levels
B1	68 dB $L_{Aeq,10mins}$ 82 dB $L_{AFmax}$	67 dB $L_{Aeq,10mins}$ 77 dB $L_{AFmax}$
S1	69 dB $L_{Aeq,1min}$ 74 dB $L_{AFmax}$	-
S2	61 dB $L_{Aeq,1min}$ 65 dB $L_{AFmax}$	-
S3	60 dB $L_{Aeq,1min}$ 67 dB $L_{AFmax}$	-
S4	60 dB $L_{Aeq,1min}$ 65 dB $L_{AFmax}$	-
S5	60 dB $L_{Aeq,1min}$ 68 dB $L_{AFmax}$	-
S6	61 dB $L_{Aeq,1min}$ 68 dB $L_{AFmax}$	-
S7	64 dB $L_{Aeq,1min}$ 73 dB $L_{AFmax}$	-
S8	71 dB $L_{Aeq,1min}$ 80 dB $L_{AFmax}$	-

## Item 2, external amenity area noise mitigation

Whilst there are few opportunities to directly mitigate against external noise levels impacting on external amenity areas, there can be expected to be some reductions in noise based on the following principles:

- Residential balcony areas will inherently be provided with a level of acoustic screening owing to the physical properties of the balconies.
  - Distance propagation between the noise sources (primarily roads and railway) will be of some benefit to noise levels on the balconies, particularly higher up the buildings.
  - Glazed balconies have been provided at lower levels to assist with noise levels for balconies facing the railway.
  - British Standard 12354-3:2000 indicates that a further c. 2 dB attenuation may be provided by the proposed balconies, depending on the location and orientation of specific balconies
- Rooftop amenity areas are expected to benefit from the following:
  - High levels of attenuation owing to geometric divergence between noise sources and the rooftop areas.
  - High levels of acoustic screening as rooftop areas will not have direct line-of-sight to the nearest roads and railway lines, at normally occupied positions.

Based on initial calculations we would estimate that external noise levels on some balconies may exceed the 55 dB notional limit discussed by the WHO.

It should be noted that the 55 dB limit is advisory and would not usually apply for new build properties which have been specifically designed to meet suitable internal noise criteria., as the 100 West Cromwell development has been.

## Item 3, MUGA noise mitigation

We would expect that the use of this space would only occur during daytime hours. There are no residential units directly below and so the impact is expected to be owing to airborne noise from activities.

The existing noise levels around the site are quite high and so activity noise from the MUGA is not expected to have a significant impact on surrounding residential neighbours.

We would welcome a reasonable approach to stipulating noise mitigation, including the setting of specific limits on the times of operation.

Scriptor Court,  
157 Farringdon Road,  
London, EC1R 3AD

T 0203 544 5400