Façade / Time	External Level	Internal Noise Target	Outside-to-inside sound reduction
0700 – 2300	58 dB(A) $L_{Aeq, t}$	35 dB(A) $L_{Aeq, t}$	23 dB(A)
2300 – 0700	51 dB(A) $L_{Aeq, t}$ 72 dB(A) L_{Amax}[2]	30 dB(A) $L_{Aeq, t}$ 45 dB(A) LAmax	27 dB(A)

5.4 It is confirmed that a standard external cavity wall construction will provide a suitable level of sound insulation.

5.5 Glazing to habitable furnished rooms (assumed to be a typical size in proportion to the wall area) should offer a sound reduction index of at least **30 dB R_w**.

5.6 It is understood that the glazing employed on this scheme comprises double glazed configuration of 4mm panes and a 16mm airspace. Data from Pilkington indicates an acoustic performance of 31 dB Rw, which would therefore be deemed satisfactory for the requirements here.

[2] Estimated and to be confirmed in due course