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07<sup>th</sup> of March 2024

**For the attention of The Margin Finance Corporation Ltd. with respect to Drury Lane, New London House**

Karsons Consulting are the building services consultants that provided technical support on the replacement of the AC systems. Part of this work was to ensure that sound pressure levels are maintained, and for this, Karsons brought on board an acoustics specialist to review the design of replacement AC systems and also a specialist company (NSL) to design the acoustic panelling.

NSL have confirmed that the panelling they have specified meets the requirements of the acoustic report. They further confirm the panelling will reduce the sound levels associated with the condenser units by 32db as per the below data sheet provided by the acoustics specialist company Auricl.

**Appendix B – Acoustic Enclosure Details**

1. Acoustic Specification for Acoustic Enclosure.
2. The acoustic enclosures shall be fitted to each replacement condenser unit.
3. The acoustic enclosure shall provide, in-situ, a reduction of sound levels associated with the condenser units of at least 32 dB LpA.
4. The acoustic performance of the enclosure shall take account of any loss of performance due to doors, windows, joints, ventilation openings, etc.
5. The acoustic enclosure shall be constructed from double-skinned acoustic panels suitable for external applications. The outer skin of the panels shall be manufactured from zinc-coated mild steel (minimum thickness of 1.25mm). The inner skin of the panels shall be manufactured from galvanised perforated mild steel (minimum thickness of 0.8mm) having a free area of no less than 23%.
6. The infill material shall consist of inert, rot, and vermin-proof, non-hygroscopic mineral wool or glass fibre of a density sufficient to obtain the specified acoustic performance. The infill material shall be packed under not less than 5% compression to eliminate voids due to vibration and settling. The infill material shall be faced with a protective membrane to prevent fibre migration.
7. The enclosure shall be structurally self-supporting, to withstand on-site conditions, without additional stiffening. All steelwork shall be provided by the specialist manufacturer and be galvanised after manufacture.

Having received this confirmation, we recommend proceeding with this means of design subject to independent validation following installation.

Yours sincerely,



Hashil Ramjee  
Managing Director  
Karsons Consulting