

FILE NOTE – Ventilation Noise Assessment.

PROJECT: JD Heavy Engineering, EW0.04 Ventilation

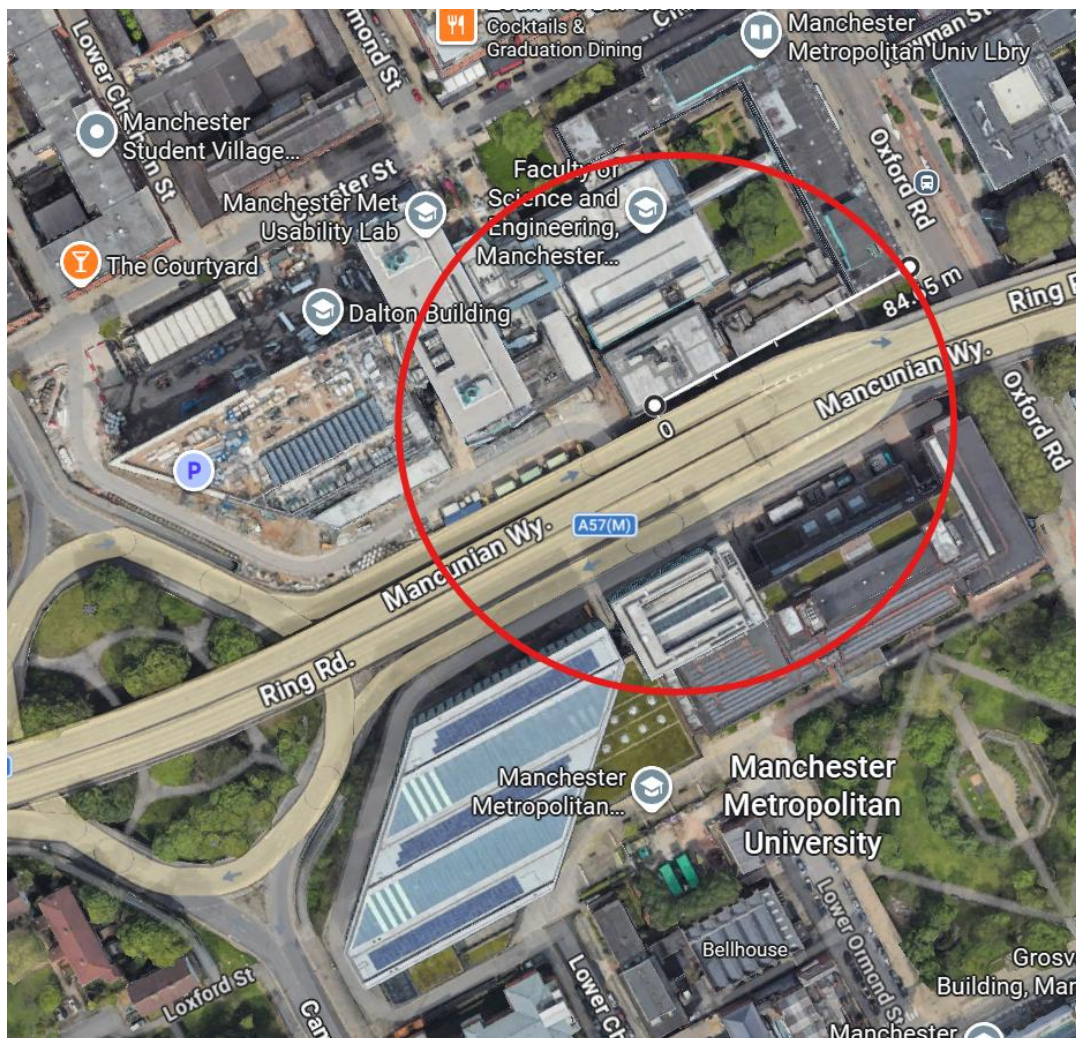
DATE OF NOTE: 18/5/26

WRITTEN BY: Roy Blagg

NOTE: *Assessment to consider the impact of new proposed ventilation on existing amenity of adjoining space and properties.*

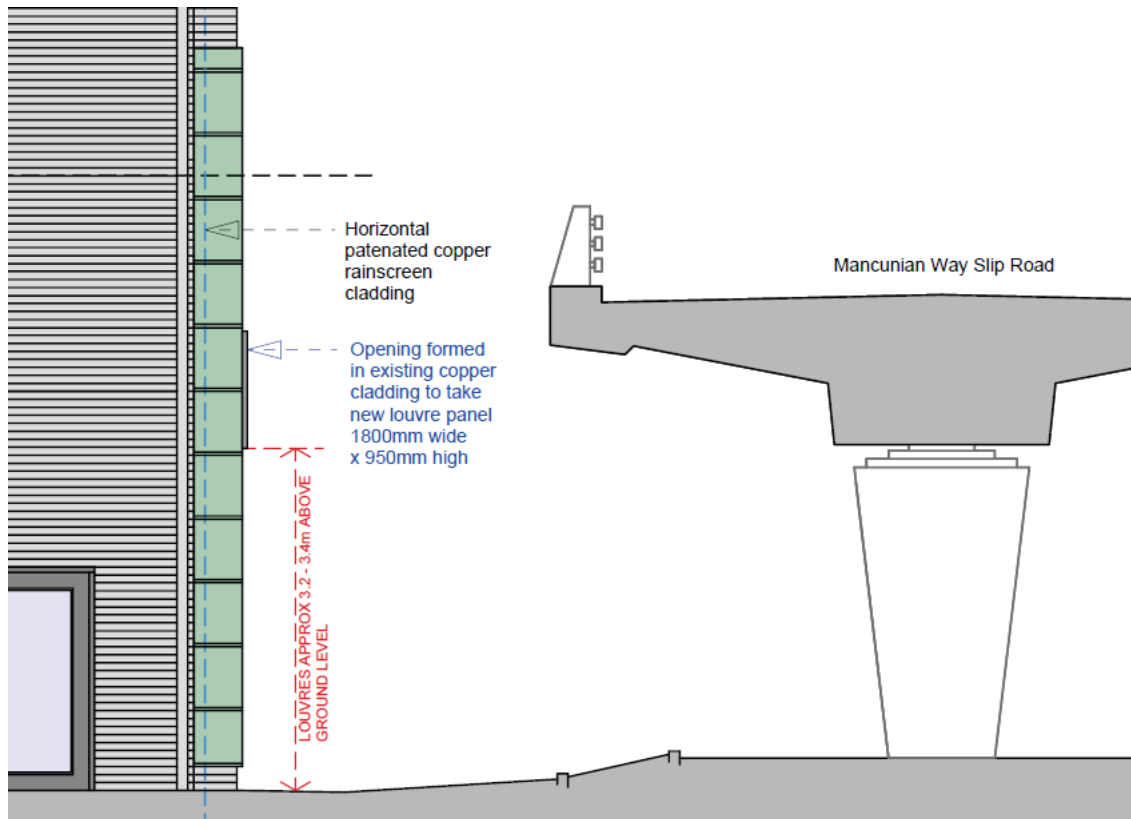
JD Heavy Engineering is located at the All Saints North campus of Manchester Metropolitan University.

The surrounding buildings are MMU owned teaching buildings to a distance of at least 85m, see below indicative image –



The location of the ventilation louvres are directly facing the Mancunian way and the car park beneath it.

See image below taken from submitted “proposed West Elevation” drawing -



The area around the Mancunian way can be considered a high noise climate and, as such, the new ventilation should have no impact on the existing amenity or any nearby receptors.

The buildings adjacent to the Mancunian way have been designed to resist the high noise levels of the Mancunian way.

Post note:

In addition to the noise impact on adjacent buildings, MMU have considered the amenity of the occupants of the JD Heavy Engineering building with the following mitigation measures –

- Intake location is set at a lower level relative to the road, which reduces direct entrainment of vehicle exhaust compared to street-level exposure and lower road noise levels.
- The system provides continuous mechanical ventilation, giving dilution of any contaminants that may enter the intake.
- The AHU is provided with F7 filtration as standard, which removes particulate matter associated with traffic emissions.
- Acoustic attenuation on both intake and extract ducts to reduce noise levels entering the building.