

MEMORANDUM



210160_211101_Monte St Angelo_S4.55 Acoustics_BW_R0

TO: Isabella Spinolo **DATE:** 1 November 2021
COMPANY: Richard Crookes Constructions
FROM: Ben White
SUBJECT: **Monte Sant Angelo Mercy College, Scientia**
Section 4.55 Acoustic Assessment

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This report details the review which has been undertaken for the proposed alterations to the Monte Sant Angelo Mercy College, Scientia project.

The acoustic review of the proposed alterations to the previously approved project and included as part of the Section 4.55 submission includes the following:

1. The proposed project design, including the alterations included within the Section 4.55 submission to the roof (fume cupboard exhaust) and the relocation of the central plant room.
2. The previously undertaken Wilkinson Murray report for the site, including the *Scientia Project, Monte Sant Angelo Mercy College, Project Application – Construction & Operational Noise Report*, with report number 19363 and dated April 2020.

This report details the acoustic review of the proposed changes to the site and suitability of the previously completed acoustic report based on the proposed changes to the Monte Sant Angelo Mercy College, Scientia project.

As part of the Section 4.55 submission for the Monte Sant Angelo Mercy College, Scientia project the following design alterations are proposed:

1. Alteration of the proposed roof top plant area including the proposed fume cupboard exhaust equipment.
2. Relocation of the central plant area, which includes condensing equipment, to a location facing Miller Street on the east of the site.

Based on the proposed alteration proposed as part of the Section 4.55 submission the and the previously undertaken acoustic report completed as part of the projects approvals the following is discussed:

1. The previously completed and approved *Construction Operational Noise Report* includes an assessment of representative background noise levels and sets up project noise emission trigger levels for the impact of noise from building services to surrounding receivers.
2. Project trigger noise levels include suitable noise emissions targets based on the recorded noise levels and remain relevant for the proposed alterations to the site.
3. An assessment of noise emissions resulting from the operation of the proposed roof top plant areas (including fume cupboard exhausts) as well as the equipment located within the central plant area has been undertaken.
4. The design and documentation of the project includes the required acoustic treatments such that noise emissions resulting from the operation of the building services will comply with the relevant noise emission project trigger levels detailed within the previously approved Wilkinson Murray report for the site, including the *Scientia Project, Monte Sant Angelo Mercy College, Project Application – Construction & Operational Noise Report*, with report number 19363 and dated April 2020.

Based on the details included in the points above the proposed alterations to the Monte Sant Angelo Mercy College, Scientia project and included within the Section 4.55 submission are acoustically acceptable and the resulting noise emission level will comply with the project noise trigger levels previously included in the project's approvals.

If you have any additional questions, please contact the author below.

Regards



Ben White
Director

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