

alan saunders associates | acoustics

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Dear Raj

AS4632 REGENTS PARK BARRACKS: BAND PRACTICE ROOMS

Rehearsal Room Heights

It is understood that as part of the planning application, further technical clarification is required regarding the height of the rehearsal spaces in the proposed Band Practice Facility development. The JSP scales require a height of 5.5m floor to ceiling which is typical for a rehearsal space.

A high ceiling in the rehearsal rooms will permit the generation of a more diffuse reverberant sound field providing better clarity of sound. In rooms with lower ceilings first reflections are shorter and depending upon the acoustic absorptive properties of the ceiling design this could result in early decay times subsequently reducing clarity of sound distribution in the space.

In a room with a low ceiling, in this instance, musicians will hear a lot more of their instrument and the sound generated by themselves rather than everyone else. For practice this may be useful but in a rehearsal scenario, the emphasis would be shifted to hearing the whole band, hence the requirement for a higher ceiling.

In summary, to compare the two scenarios, a room with a high ceiling will provide the necessary musical clarity and acoustic ensemble for the whole band.

We trust that the above is sufficient for your requirements. Should you have any further queries, please do not hesitate to contact the undersigned.

Yours sincerely
for ALAN SAUNDERS ASSOCIATES

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