

Miners Community Arts and Music Centre Noise Report

Background

The site comprises a mainly single storey building originally the Moston Miners Welfare Club, to the Southern end of the site the building is partly two storey and was previously used as the club stewards living accommodation. Currently part of the single storey building is used as a Community Café, Arts and Music Centre part of the building immediately adjacent to the former stewards accommodation is used for storage only .

It is proposed to alter and extend the former steward's accommodation to form 4 self-contained one bedroom flats.

The site is adjacent to Woodstock Road on the southern boundary with an open space to the eastern boundary (front elevation) and to the rear are gardens to residential properties.

Possible Sources of Noise Disturbance

Adjacent and nearby roads are used for access to the housing estate with no through traffic, road noise is therefore not considered to be any higher than in normal residential estates.

The active part of Community Arts centre is remote from the proposed flats and is a similar distance from the activities as that of the houses on Kelham Walk .

The area immediately adjacent to the flats is used for storage purposes.

Noise assessment

In general terms there are no external sources of noise that will cause disturbance to the residents of the flats.

Construction Acoustic Insulation

A new separating wall is to be built between the flats and the Community Arts centre , this will be a masonry wall comprising two leaves of concrete block with an insulated cavity, the wall will be designed to meet the sound reduction values in accordance with current building regulations. i.e min $D_{nT,w+Ctrdb}$ 45 in respect of Airbourne sound.

Walls separating the flats from the common stairway and walls between flats will be designed to meet the requirements of the current building regulations in respect of Airbourne Sound to the value above. These walls will be constructed from double stud metal framed partitions faced both sides with Soundbloc plasterboards and an infill of acoustic insulation.

The floor separating the flats will be a timber floor designed to meet the requirements of the current Building Regulations i.e min $D_{nT,w+Ctrdb}$ 45 in respect of Airbourne sound and $L'_{nT,wdb}$ 62 (max) in respect of impact sound.

All elements will be subject to an acoustic test prior to occupation of the flats.

Paul Judge 04/08/2022

