

Our ref : 5231.1/2
26th February 2009

Bill Horry
Calls Architecture Ltd
The Studio
32 The Calls
Leeds LS2 7EW

Dear Aidan

Re: Beevor Court, Barnsley

Further to our recent telephone conversation, please find below details of the proposed changes to the acoustic specification. This letter can be passed on to Sarah Newman in Environmental Health and Keiron Dunn in Planning to seek agreement to the change to the planning condition.

I have spoken to Sarah Newman and she indicated that she is willing to consider the omission of the acoustic fence if the building envelope specification is enhanced.

An increased glazing and ventilation specification to the bedrooms on elevations where there is a line of sight to the industrial premises is given below.

Instead of trickle vents one of the following types of acoustic vent may be used:

- Passivent TVALdB vent with TVCG390 external canopy
- Renson Invisivent with AK39 or AK 49 acoustic extension box
- Titon Sobinco Silentbloc 3 or 5

A suggested revised double glazing specification for these bedrooms is as follows.

- One pane of 4mm glass and one pane of 6mm glass separated by a nominal cavity (min 10mm).

Calculations have been carried out in accordance with BS8233 using our in house spreadsheets and the resultant noise level within the bedrooms with this new specification and no acoustic fence is 26 $dB_{L_{Aeq}}$ which is within the 30 $dB_{L_{Aeq}}$ night-time criterion. Although during the survey no industrial noise occurred at night this calculation has used a noise level measured during the daytime whilst industrial activity was taking place to cover the possibility of industrial activity taking place before 7am.

The change in specification would not apply to the bedrooms facing away from the industrial premises which will be shielded from any industrial noise. For these areas the specification given in the original report can be used.

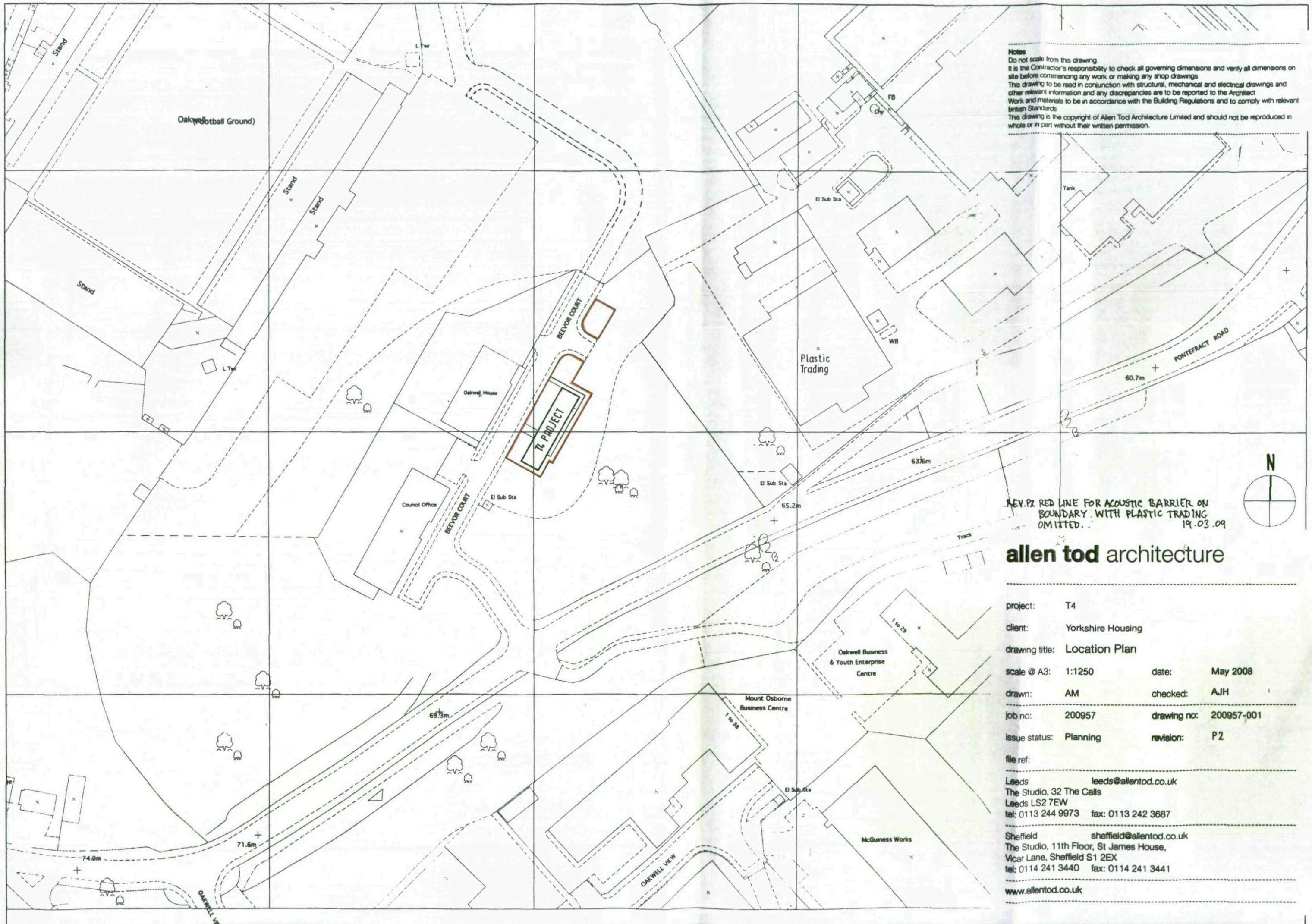
The change in specification would not apply to living rooms. For these areas the specification given in the original report can be used. Calculations of noise breakin to living areas with the original specification and no acoustic fence give an internal noise level of 33 $dB_{L_{Aeq}}$ which is within the daytime 40 $dB_{L_{Aeq}}$ criterion.

Please do not hesitate to contact me if you have any questions.

Yours sincerely
for Hepworth Acoustics



Matthew Gascoigne BSc (Hons) CEng MICE MIOA
Regional Director



Notes
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REV. P2 RED LINE FOR ACOUSTIC BARRIER ON BOUNDARY WITH PLASTIC TRADING OMITTED. 19.03.09



allen tod architecture

project: T4
 client: Yorkshire Housing
 drawing title: Location Plan
 scale @ A3: 1:1250 date: May 2008
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 job no: 200957 drawing no: 200957-001
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file ref:
 Leeds leeds@allentod.co.uk
 The Studio, 32 The Calls
 Leeds LS2 7EW
 tel: 0113 244 9973 fax: 0113 242 3687

Sheffield sheffield@allentod.co.uk
 The Studio, 11th Floor, St James House,
 Vicar Lane, Sheffield S1 2EX
 tel: 0114 241 3440 fax: 0114 241 3441

www.allentod.co.uk