

Huyton Trade Park,
Wilson Road,
Hutton,
Liverpool,
L36 6JG

Condition Nr 3
Acoustic Mitigation

Planning condition C3 states.

“Prior to the occupation of any unit hereby permitted the recommendations set out in Noise Impact Assessment (e3p, Report Ref 50-613-R1-1, Version 3 dated 27th February 2023), of the site management controls and acoustic barrier shall be implemented. Documentary evidence of the works shall be submitted to and approved in writing by the Local Planning Authority prior to first occupation”

Background

E3P were commissioned by Derwent Development Management Ltd to undertake a Noise Impact Assessment for the proposed commercial development at Huyton Industrial Park, Huyton.

This assessment looked to determine the key noise sources associated with the development and undertake an assessment of any impacts upon existing noise sensitive receptors.

An unattended background sound surveys had been undertaken in order to capture worst case baseline noise levels.

E3P had undertaken detailed 3D noise modelling of all the proposed sources in order to predict noise levels at ground and 1st floor windows for the daytime and night-time periods respectively, in accordance with BS 4142:2014+A1:2019, at the closest receptors to the site.

A 3.8 m high acoustic barrier was specified on the proposed site plan and has been included within the 3D noise model.

The assessment had shown that the predicted rating level fell below the typical measured background sound level during daytime and night-time periods.

The assessment showed , with the proposed 3.8 m acoustic barrier in place, that there should be no adverse impact upon existing residential receptors due to the proposed operations.

As such as part of the planning conditions , Condition Nr 3 required the findings for the report to be implemented , and therefore require the installation of a Acoustic Barrier 3.8m high and a wooden fence or brick wall construction, but wooden fences must be of close boarded construction and all barriers must be free from holes, sealed at the base and have a minimum mass of 10 kg/m² .

Implementation

As part of the works Stainforth Construction LLP have installed a 3.8m high timber acoustic fence of mass 26Kg/m² which is greater than the requirements set out with the report.

The photos below show the fence installed onsite , Inline with the data sheet below.

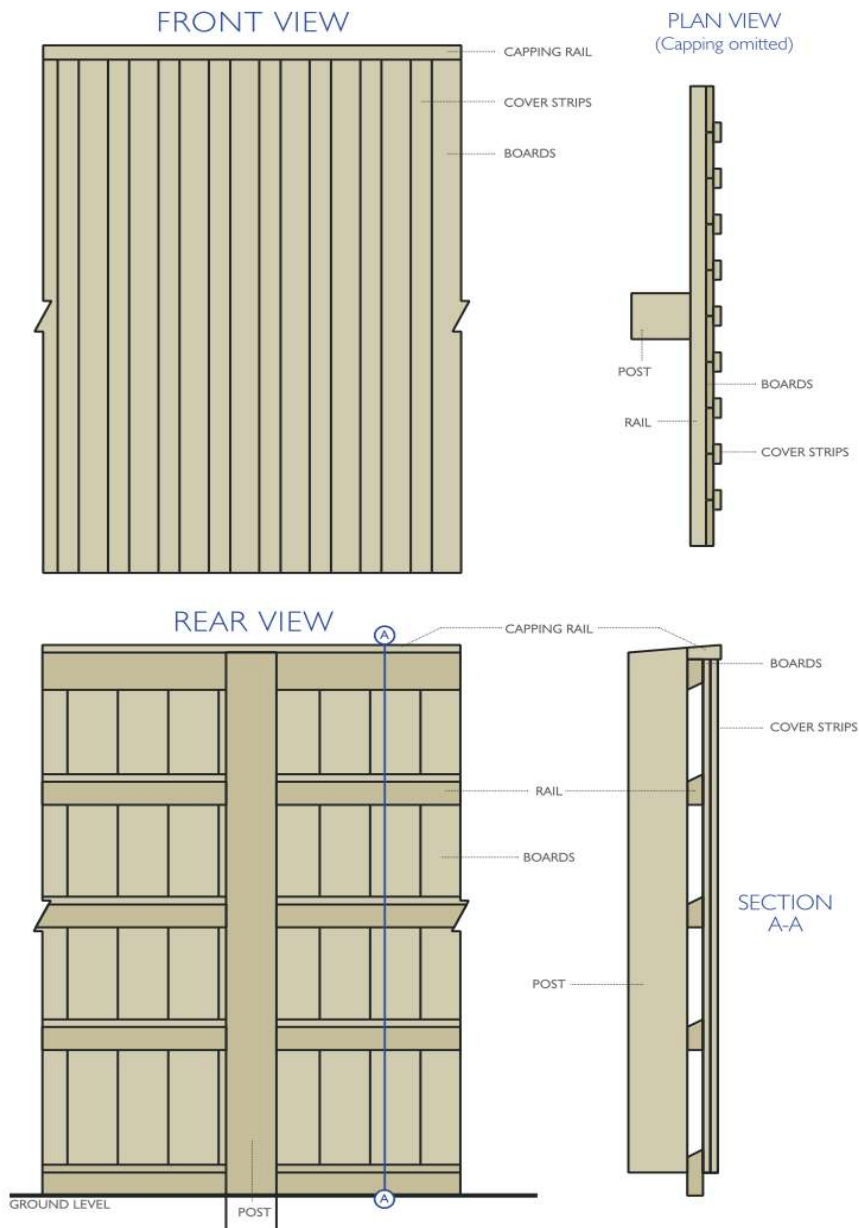


Acoustic Fence Data Sheet



hales
SAWMILLS
LIMITED

REFLECTIVE SOUND SCREENS



AUGUST 2012

PLEASE NOTE:

1. STRUCTURAL CALCULATIONS MAY BE REQUIRED BY QUALIFIED PERSONS, NO RESPONSIBILITY CAN BE ACCEPTED BY USING THIS DESIGN WITHOUT PROFESSIONAL ADVICE.
2. DESIGN IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS CLAUSE 2504. TREATMENT TO SECTOR SCHEME 4.
3. REFLECTIVE SOUND SCREEN FITTED TO TIMBER POSTS (FOR ILLUSTRATION PURPOSES ONLY). STEEL POSTS CAN BE AN ALTERNATIVE.
4. HEIGHT OF SOUND SCREEN VARIABLE TO SUIT SPECIFIC LOCATIONS. POST CENTRES AT 3.0M UNLESS OTHERWISE SPECIFIED.
5. CONFORMS AND TESTED TO BS EN 1793. ALSO TESTED AND COMPLIES TO BS EN 1794-1 AND BS EN 1794-2.
6. COMPLIES WITH HIGHWAYS SECTOR SCHEME 2C FOR THE PREFABRICATION OF ENVIRONMENTAL BARRIERS.

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