DREES & SOMMER

# Design and Access Statement
# Decarbonisation Scheme
# United Learning Trust

## October 2024

Barnsley Academy
Farm Road
Kendray
Barnsley
S70 3DL

United Learning
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# APPENDICES

# 1.0 Introduction

This Design and Access Statement has been prepared by Drees & Sommer UK on behalf of United Learning Trust to support the planning application lodged for the installation of new external Air Source Heat Pumps (ASHPs) located adjacent to the main school building, along with associated works to facilitate the installations.

The purpose of this Design and Access Statement is to consider the accessibility of the proposals, regarding wheelchair users, ambulant disabled people and people with poor dexterity, poor comprehension or sensory impairments.

Instructions

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United Learning Trust
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PE3 6SB

Lead consultant/Designer
Drees & Sommer UK
Jackson House
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Sale
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Property Discussed in this Report
Barnsley Academy
Farm Road
Kendray
Barnsley
S70 3DL

## 1.1 Conditions of Use of this Report

This report is to be regarded as confidential to and for the sole use of the recipient. Consequently, no responsibility is accepted to any third party in respect of its contents in whole or in part.

## 2.0 The Development

The project scope involves the installation of ASHPs within an enclosed concrete plinth, which will provide heating and hot water to Barnsley Academy.

The ASHPs will be located to the south west of the site on the soft ground between the site boundary and the access road. The heat pumps are proposed to be situated on a concrete base enclosed by weld mesh fencing and a gate for access. The compound will be situated close to the access road to allow ease of access for maintenance, but will not impact the road's operation. Pipework from the compound into the plantroom will run underground and not disturb or have impact on any existing services and operation of the site.

### 2.1 The Statement

This Design and Access Statement is presented as a synopsis of the principles and guidance used during design development. It demonstrates the Trust's committed work towards achieving compliance with the statutory regulations, in particular Approved Document Part M.

## 3.0 Design – The Process

The Trust have obtained grant funding to reduce the carbon emissions associated with heating and hot water at Barnsley Academy under Salix's Public Sector Decarbonisation Scheme (Phase 3c).

The design has moved from RIBA Stage 2 to RIBA Stage 3 where it currently is ready to be tendered to Contractors under a JCT Design and Build Contract, 2016 Edition.

The works at Barnsley Academy include the replacement of existing gas fired boilers with new Air Source Heat Pumps, and all associated works to facilitate the installation and continued use. The installations will have no long-term impact to the existing car parking arrangements as new plant and the ASHP compound will be located on the soft ground adjacent to the access road to the south west of the site. The fence line and maintenance access gate is to be located opening onto an existing macadam surfacing. The current building access arrangements and movement of people and vehicles around the site will not be affected.

### 3.1 Value

Best value in construction costs must be attained. Layouts should be as simple and as straight forward as possible which in turn promotes simple methods of construction, yet still fulfilling its function. Lifetime costs of all materials have been considered.

### 3.2 Layout

The new installation is designed to have minimal visual and physical impact. The ASHP compound will be located adjacent to the main building towards the rear of the property in a minimally used area of soft ground.

A weld mesh fence will be installed around the new heat pumps to provide appropriate security and restrict access. The colour of the fencing will be proposed to be in keeping with the surrounding areas. Any compound lighting will be sensors to minimise wasted energy and prevent lighting from being on during the night when no access to the compound is required.

A noise impact assessment has been undertaken by a specialist acoustic consultant, who has confirmed that no specialist acoustic attenuation is necessary for the new compound.

### 3.3 Landscaping

Trenching will be required for the underground pipework from the heat pump compound into the main building plantroom. The route will pass through soft and macadam surfaces. The works will make good as existing any disturbed surfaces.

### 3.4 Building Approach, Access Points, and Entrances

As the nature of these works are external, the installation of the heat pumps will have minimum disruption to people and the surrounding environment. The installation is contained adjacent to the main building and access road, which will be maintained throughout the works. The impact to movement of traffic will, therefore, be zero. The works area will be fenced off during the construction period and fire exit routes will be maintained.

### 3.5 Means of Escape

Means of escape will not be affected by the finished works. Means of escape from within the new plant compound can be gained via the new gates.

### 3.6 Sanitary Conveniences / Welfare Provision

There is no adjustment of the existing welfare / sanitary provision as part of the proposed finished works.

### 3.7 Carparking

There is no adjustment of the existing car parking facilities as part of the proposed finished works.

## 4.0 Conclusion

This Design and Access Statement has demonstrated the way in which the design of the present scheme meets various requirements with regards to both access and egress issues.

The design philosophy has enabled impact to building users and visitors to be minimised, offering almost no impact to the daily use of the building by people with or without disabilities.

# APPENDIX A

## Photographic Schedule

Photograph 1: Proposed site for ASHP Compound on green embankment

Photograph 2: Green space from access road

Photograph 3: Compound to avoid impacting hedgerow

Photograph 4: Nearby access point to site

Photograph 5: Compound sited away from School building

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| Photograph 6: View down access road towards the main plantroom where underground pipework will run through grass area | Photograph 7: View of compound location from green space |