

BFS/Trust Sustainable Development Standard

Guiding Principle HTM 07-07 Sustainable Health and Social Care Buildings : Planning, Design, Construction and Refurbishment.

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| <p>1. Management</p> | <p>Man 01 Sustainable procurement</p> | <p>There will be a co-ordinated handover and processes for aftercare.</p> <p>There will be a post project evaluation exercise.</p> | |
| | <p>Man 02 Responsible construction practices</p> | <p>Contractors will be members of the considerate contractors scheme.</p> | |
| | <p>Man 03 Construction site impacts</p> | <p>This will be in accordance with the conditions of the planning application to control noise /dust nuisance.</p> <ul style="list-style-type: none"> • Monitoring and reporting of site energy and water consumption • Monitoring and reporting of transport of construction materials and waste • Sourcing of timber in line with UK Government’s Timber Procurement Policy • Environmental management system and pollution prevention operated by the contractor | |
| | <p>Man 04 Stakeholder participation</p> | <ul style="list-style-type: none"> • Consultation: all relevant parties must be briefed by the design | |

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| | | <p>team</p> <ul style="list-style-type: none"> • Inclusive and accessible design: building fit for purpose for potential users • Building user information provided • Post-occupancy evaluation (POE) and information disseminated | |
| 2. Health and wellbeing | Hea 01 Visual comfort | <p>The following design consideration will be incorporated into the design :</p> <p>Daylight</p> <ul style="list-style-type: none"> • Glare and view out • Artificial/internal lighting levels • High frequency lighting • Lighting zones and control | |
| | Hea 02 Indoor air quality | <ul style="list-style-type: none"> • Design out volatile organic compounds – substances proven to be harmful to health and contained in a wide range of paints, varnishes, wall and floor coverings and solvents • Minimising ingress of external pollutants • Assess potential for natural ventilation | |
| | Hea 03 Thermal comfort | <p>The heating system will be from existing infrastructure and controlled via a existing BMS.</p> | |
| | Hea 04 Water quality | <p>There is currently a robust water management system in operation at the hospital and this will be extended to the new build and refurbished areas. There are water fountains throughout</p> | |

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| | | <p>the Hospital.</p> <ul style="list-style-type: none"> • Microbial contamination • Humidification systems • Drinking water | |
| | Hea 05 Acoustic performance | Each patient area will be designed to confirm to the relevant HBN /HTM. | |
| | Hea 06 Safety and security | The Trust/BFS security consultants have been consulted on the design proposals and the proposal conform's to the Trsut standard. | |
| 3. Energy | Ene 01 Reduction of CO ₂ emissions | The proposal contributes to the Trusts strategy of sustainability. | |
| | Ene 02 Energy monitoring | The Trusts energy is monitored and recorded. | |
| | Ene 03 External lighting | The specification for external lighting will be low energy LED. | |
| | Ene 04 Low or Zero Carbon Technologies | The Trust has a CHP plant and energy from this plant will serve the new build. | |
| | Ene 05 Energy efficient cold storage | N/A | |
| | Ene 06 Energy efficient transportation systems | N/A | |
| | Ene 07 Energy efficient laboratory systems | N/A | |
| | Ene 08 Energy-efficient | N/A | |

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| | equipment | | |
| | Ene 09 Drying space | N/A | |
| 4. Transport | Tra 01 Public transport accessibility | This proposal will not impact on existing public transport penetration. | |
| | Tra 02 Proximity to amenities | This development is within the demise of an existing building. | |
| | Tra 03 Cyclist facilities | This development will not impact on existing cycling facilities. | |
| | Tra 04 Maximum car parking capacity and Tra 05 Travel plan | The Trust has a green travel plan and this development is in sympathy with the plan. The development will not create additional car parking capacity. | |
| 5. Water | Wat 01 Water consumption | The impact on water supply will be negligible due to existing water storage capacity on site. | |
| | Wat 02 Water monitoring | Water monitoring will be in line with the existing Trust policies. | |
| | Wat 03 Water leak detection and prevention | The design of water distribution systems will be in line with the HNB/HTM. | |
| | Wat 04 Water-efficient equipment | N/A | |
| 6. Materials | Mat 01 Life cycle impacts | Materials and products will be specified which have low embodied | |

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| | | energy and a low carbon footprint. | |
| | Mat 02 Hard landscaping and boundary protection | The hard landscaping will be in sympathy with the local environment . There are no significant alterations to the boundary . | |
| | Mat 03 Responsible sourcing | Materials and products will be specified which have low embodied energy and a low carbon footprint. | |
| | Mat 04 Insulation and Mat 05 Designing for robustness | Materials and products will be specified which have low embodied energy and a low carbon footprint. Where practicable recycled materials will be used. | |
| 7. Waste | Wst 01 Construction waste management | Construction waste will be kept to a minimum, it will be segregated and waste will be monitored to ensure responsible disposal. | |
| | Wst 02 Recycled aggregates | Existing trust policy | |
| | Wst 03 Operational waste | Existing trust policy | |
| | Wst 04 Speculative floor and ceiling finishes | The Trust stakeholders will be involved in selecting internal finishes. | |

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| <p>8. Landuse and Ecology</p> | <p>LE 01 Site selection</p> | <p>The proposed development is on brownfield site.</p> | |
| | <p>LE 2 – LE5 All other ecology issues</p> | | |
| <p>9. Pollution</p> | <p>Pol 01 Refrigerants</p> | <p>All ventilation systems to be environmentally friendly.</p> | |
| | <p>Pol 02 NOx emissions</p> | <p>All ventilation systems to be environmentally friendly.</p> | |
| | <p>Pol 03 Surface water run-off</p> | <p>The design will not contribute to flooding and will not pollute local water courses.</p> <p>The design will be based on best practice.</p> | |
| | <p>Pol 04 Reduction of night time light pollution</p> | <p>The external and internal lighting will not contribute external light pollution. There will be bafflers and sensors on external lighting.</p> | |
| | <p>Pol 05 Noise attenuation</p> | <p>Trust / BFS management arrangements will not contribute to nighttime noise when the building is in operation.</p> | |