

- plant and machinery on roofs should not be visible from the street, public vantage points or from immediately adjacent buildings;
- the design and materials used for plant, machinery and ducting, as well as for ancillary structures such as screening, where located on the exterior of the building, must be consistent with those of the building; and
- where possible, plant and machinery should be designed in such a way that does not lead to issues of safety and security.

Amenity

- 11.8 Where ducting, plant or machinery are required on the outside of a building they must not obscure access to daylight and sunlight, or provide any nuisance for occupants of the development or adjacent buildings.
- 11.9 Plant and machinery with moving parts must be separated or insulated from occupants and neighbours who are likely to be sensitive to noise disturbance. Techniques to achieve this separation include the use of flexible ducting, or resilient mountings for structure-borne plant and machinery.
- 11.10 Where mechanical or passive ventilation is required to remove odour emissions, the release point for odours must be located above the roofline of the building and, where possible, adjacent buildings.

Sustainability

- 11.11 Plant and machinery, particularly where located on roofs, must not preclude the installation of required onsite renewable energy facilities in the proposal. Consideration must also be given to the possibility of future renewable energy installations.

Conservation areas and listed buildings

- 11.12 Special consideration should be given to the installation of plant, machinery and ducting on listed buildings and in conservation areas. Fewer external solutions are likely to be appropriate in these locations. Installations must be in keeping with the design and materials of the building. Listed building consent is likely to be required for works to a listed building.

Other considerations

- Access to plant and machinery must be provided to allow for convenient and safe servicing and replacement of installations;
- Machinery must be properly installed and maintained to ensure that impacts are properly mitigated and the situation does not deteriorate over time with continued operation.
- Plant and machinery should be located as close as possible to their end use, e.g. boilers should be located near to the hot water or

heating users, to minimise use of ducting materials, loss of resource and visual blight.

- Disused plant, machinery and ducting must be removed from the exterior of buildings before replacements can be installed. Only in exceptional circumstances will these be allowed to remain.

