

Our Ref: 3137-90421-DS1

THE ICEWORKS, JAMIESTOWN ROAD, CAMDEN TOWN, LONDON

PROPOSED INSTALLATION OF A STANDBY GENERATOR ON THE ROOF

DESIGN & ACCESS STATEMENT

Description of the Proposed Works

Standby generator

The proposed works are required to enable the building tenant Blue Lizard Company to continue trading during an electricity power cut. The standby generator will support the entire building.

'Blue Lizard' is an internet gambling company and as part of their business operation required to have standby generator back up. The standby generator will be run intermittently during an electricity mains failure and during a monthly test. The monthly test will be for 30 minutes and the timing of it will be as best advised by ourselves.

The generator will be located on the upper roof of the building as shown on the supporting plans and sketches. The generator will be clad in a similar coloured material as the existing plant enclosures. The generator will be no higher than the existing plant.

The generator proposed is rated at 250kVA and will be within an acoustic enclosure 7.6 m long x 1.4 m wide x 2.3 m high. This structure will also have to attenuate any vibration from the generator into the adjoining building.

A noise survey is attached to this application and to reduce the noise generated by the standby generator the engine and exhaust will be within a specially designed acoustic enclosure. The sound reduction of the acoustic enclosure to the generator will give 65dB at 1 metre.

Oil Delivery System

A small holding tank and pump set will be located at ground level. Pipework to the roof will run up inside an internal riser. The tank and pump will be approximately 1m³.

Access

Accessibility to the roof is as existing and via a cat ladder.