

States of Guernsey  
Planning Service  
Sir Charles Frossard House  
La Charroterie  
St Peter Port  
Guernsey  
GY1 1FH

**Your Ref: FULL/ 2018/2241**

Our Ref: AS/akdw/10061  
2<sup>nd</sup> November 2020

Dear Sir/Madam

**Re: Proposed Installation of air-source heat pump externally as part of works to erect new dwelling as approved at Shuruuq, Calais, St Martin**

Please find attached the following documentation, which makes up our planning application for the above-mentioned project:-

- 2No. copies of Application Form
- 3No. copies of drawing Nos. 1801-S1-113, 114, 115 and 116
- GRANT air-source heat pump specification

A copy of all documents has also been sent electronically on 2<sup>nd</sup> November 2020.

The proposed air-source heat pump will not be visible from the surrounding residential properties or public roads and paths. The pump is smaller than the existing oil tank which it replaces and will be situated behind an existing boundary wall, boundary planting and fence. It will not therefore have any impact upon the visual character or appearance of the surrounding area.

With regard to impact on neighbouring amenity we understand that the States Office of Environmental Health and Pollution Regulation will be consulted.

We have attached the technical specification for the proposed heat pump: Grant Aerona 3 R32 model HPID10R32 which gives an indication of the sound pressure level at 1m-external (dB(A))(Q=1). It is expected that there will be a level of noise attenuation already provided by the masonry walls surrounding the proposed location of the heat pump and the boundary planting.

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Page 2

2<sup>nd</sup> November 2020

States of Guernsey, Planning Service - Shuruuq, Calais, St Martin

We also note that the closest neighbouring residential property is around 15m away from the proposed location of the heat pump and sits at an elevation approximately 7m below the site. Some degree of noise reduction can therefore be expected due to the large earth bank and planting which separates the two properties. There will be no sight line between the heat pump and the gable of the closest noise sensitive property.

We assume that any approval would be subject to a Planning Condition which states that any noise associated with plant and machinery incorporated within the development shall be controlled such that the rating level, measured or calculated at 1-metre from the façade of the nearest existing noise sensitive premises, shall not exceed a level 5 dB(A) below the existing LA90 background noise level, including low frequency tones. Rating Level and existing background noise levels shall be determined as per the guidance provided in BS 4142:2014.

We propose that acoustic housing could be added as advised if necessary to further reduce noise to acceptable levels ie. Jacksons reflective acoustic timber fencing or similar timber fencing up to a height of 2m to specialists advice. At this height there would be no impact upon the character of the surrounding area.

#### **GP9: Sustainable Development Statement**

Our proposal is linked to our detailed consideration of the future energy consumption of this 4-bed family dwelling and is based upon the occupiers' requirements and advice given by specialists regarding appropriate renewable energy sources for the property.

The proposed installation of the heat pump and any associated design and materials will meet Guernsey Technical Standards as a minimum, with particular regard to GTS Part L (Consumption of Fuel & Power). The proposed dwelling which is currently under construction has been designed and detailed to a high-standard to ensure air-tightness and efficiency which will reduce the overall heating and cooling needs of the property.

The proposed location of the heat pump takes into account the existing site conditions and surroundings and re-uses the existing enclosure of the old/existing oil tank to minimise impact upon the surrounding area and landscape. The proposal accords with all other relevant policies of the Island Development Plan.

We trust the attached are acceptable, but should you have any queries or require additional information please do not hesitate to contact us.

Yours faithfully



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Encs.

cc. Planning Service (via email)