

PLANNING STATEMENT

INSTALLAION OF SOLAR PANELS AT LIBRARY
AND ENGINEERING CENTRAL
BAY CAMPUS, SWANSEA UNIVERSITY.

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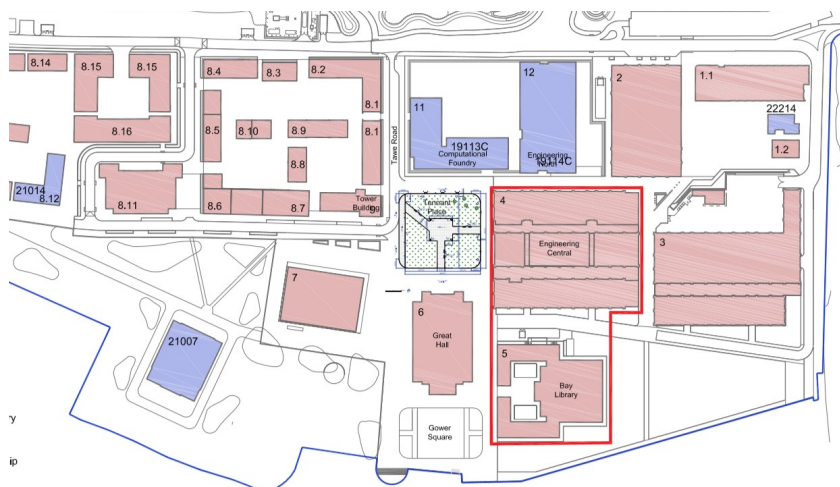
1.0 Background

- 1.1 Planning permission is sought for the installation of PV to the roof of the Bay Campus Library and Engineering Central. The buildings lie on the eastern end of the Bay Campus.
- 1.2 In partnership with Welsh Government, the University is seeking to reduce its carbon footprint and the proposed PV will help meet the energy requirements of the Library and Engineering Central which are energy hungry developments on site.



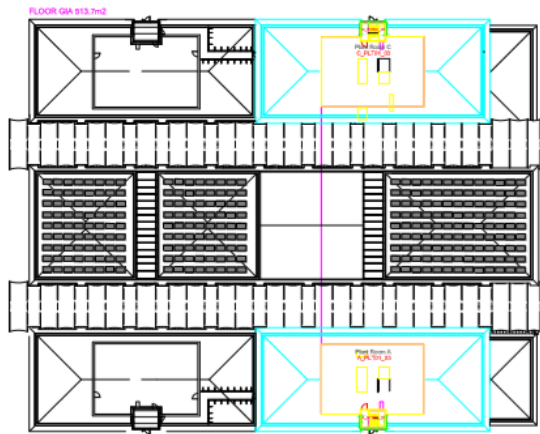
2.0 Proposal

- 2.1 In collaboration with the Welsh Government Swansea University is seeking to reduce its carbon footprint by exploring additional options for energy production. The scheme will utilise the existing flat roofs of the buildings and support Swansea University's power requirements through additional renewable energy generation.
- 2.2 The siting of the solar panels is to maximise solar gain:

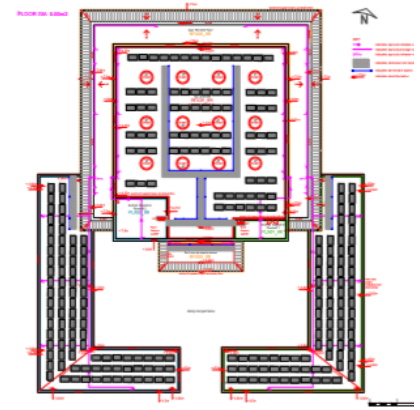


- 2.3 The proposal seeks consent to utilise the large expanses of flat roofs with PV panels to both buildings.

Proposed Roof Plans

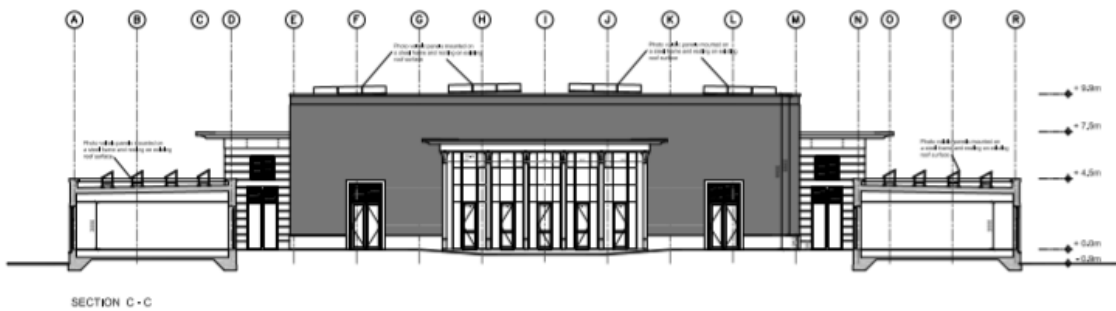
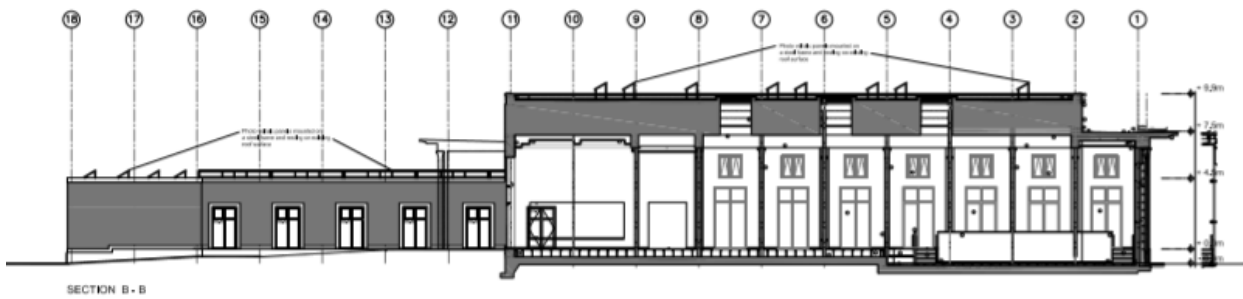
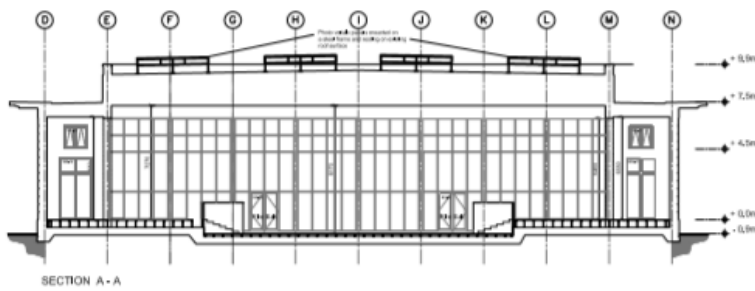


LOCATION PLAN ENGINEERING - Scale 1 : 500

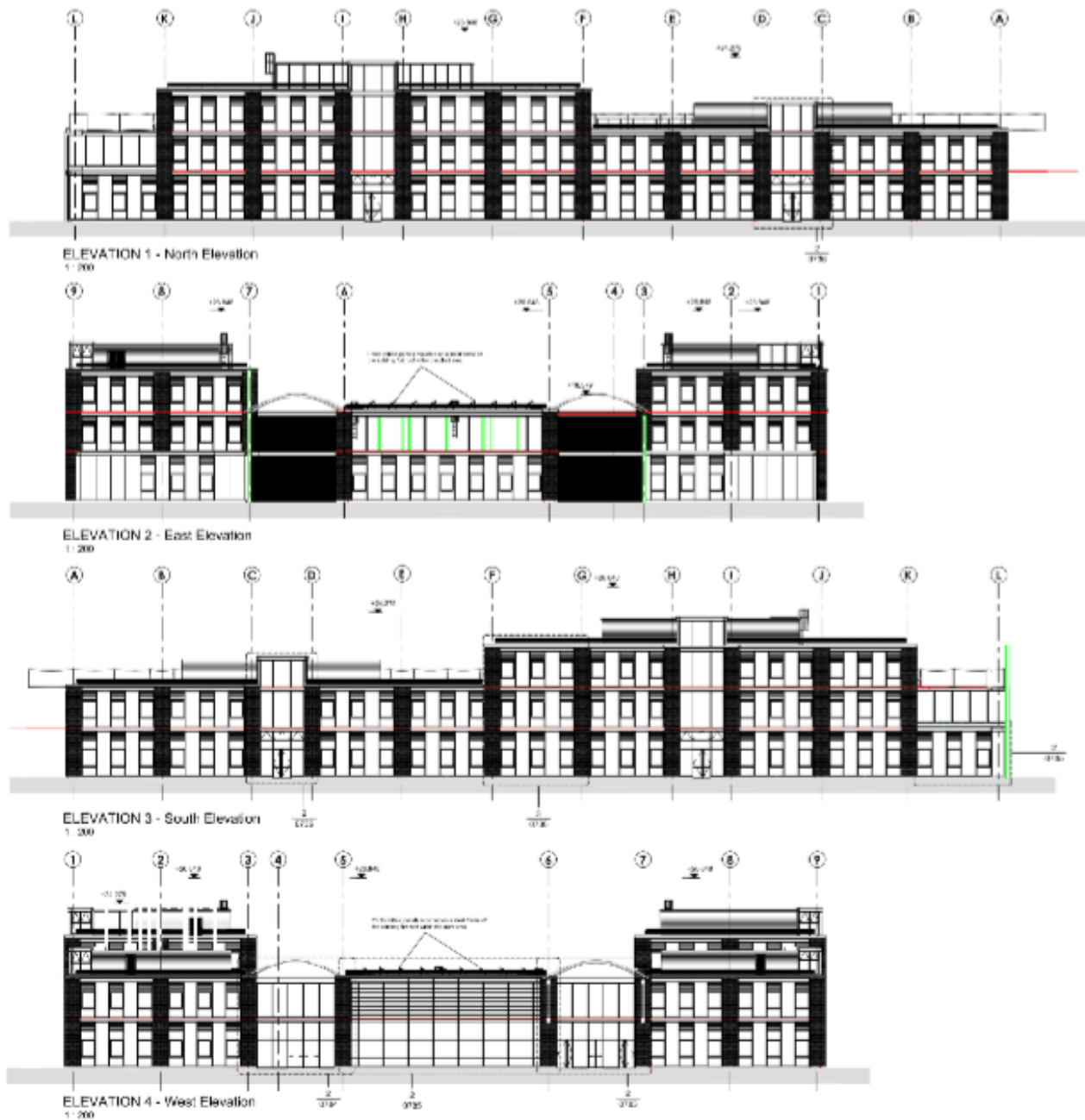


LOCATION PLAN LIBRARY - Scale 1 : 500

Proposed Library Elevations



Proposed Engineering Central



- 2.4 The project will have a dual deliverable in that it will help reduce energy costs, whilst simultaneously providing a research facility which can monitor energy usage. Both Specific and ABC will be collaborating on this installation.

3.0 Main Issues

- 3.1 It is felt that the main issues for consideration during the determination of an application such as this relates to the potential social and economic impact of the installation and the resultant impact of the physical development upon the visual amenity of the area.

4.0 Social and Economic Impact

- 4.1 From a purely research perspective, the approval of this application would help facilitate the expansion of the research capability of SPECIFIC and ABC on Bay Campus. From research perspective all data from the power generated will be fully analysed to help us understand how we use energy. The provision of the PV will help meet the power requirements of the Library and Engineering Central and enable the SPECIFIC and ABC Teams to monitor building performance at a high level.

5.0 Visual Amenity

- 5.1 From a visual amenity perspective, the proposal incorporates two main elements:
1. PV on the library roof.
 2. PV on Engineering Central.
- 5.2 The PV panels will be sited on the existing flat roof elements of both buildings and will be shielded from wider vantage points by the existing parapets. As such the PV panels are considered acceptable in visual terms.

6.0 Conclusion

- 6.1 In conclusion it is felt the proposal is an opportunity for the University to reduce its energy consumption whilst simultaneously provide opportunity for University partners to collect and research the data from the installations. With this in mind it is hoped you will support our proposal.