

Design and Access Statement

Centre Block – CTS Scanner

Royal Berkshire Hospital

Reading



GBS health 



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GBS Health+ Job Number: 7012

Revision -

Introduction

The following Design and Access Statement has been prepared and researched by GBS Health+ on behalf of Royal Berkshire Hospital NHS Foundation Trust (RBH).

The Trust has been offered 2 new Cannon CT Scanners for free which the Trust wishes to take full advantage of. To facilitate this Cannon, with their installation contractor Modus, has put together a scheme design in collaboration with Capital Projects to redevelop the existing scanning area within Centre Block, utilising an adjacent courtyard space and carrying out a phased project reconfiguring the whole CT Scanning area compliant with current HTM's and Building Regulations.

The problem with this proposal is the prolonged programme, which was 408 days, due to maintaining a fully operational scanning facilities throughout the works. To significantly shorten the programme, this planning submission is looking to install 2 No Relocatable Scanners on the waste skip site close to the Redlands Road hospital entrance. This would involve creating a connecting enclosure, linking the hospital internal via a ramp access route, through to the relocatable scanners site while providing a covered weather protected environment.

This enclosure would provide the much-needed facilities that allow the internal renovations to the scanner area to proceed. Once those works are completed the CTS scanners can be removed, however the Trust has future plans to the MRI area and the corridor would then be used as a link for a relocatable MRI scanner should the Trust require it.

Existing

The site is located at the rear of Centre Block, part of Royal Berkshire Hospital, Reading, RG1 5AN.

The existing site is a paved area that slopes down towards Redlands Road. It consists of a small grass area with an ornamental tree and a series of timber and metal storage sheds/compartments. A short offshoot road leads up to the single storey MAU prefabricated building.

The Centre Block is a brick, block and render building with modern metal standing seam roof in a wave like formation. The rear entrance is in a glazed curtain wall recessed into a curved wall arrangement. The external area by the rear entrance is used a venting area for the MRI equipment within Centre Block.

Proposal

The proposal is to site two self-contained CT Scanners at the rear of Centre Block. These units are delivered to site as a complete unit that houses the scanner and a small lobby, complete with all equipment and finishes. They are connected to power and drainage as required and sited on concrete pads.

To access the units, a weather tight corridor is required to transport patients from the inside of centre block to the CTS scanners. This is further exacerbated by a slope in ground level as you move away from Centre Block which means the scanners will need to be raised up to accommodate.

To create the corridor a steel goal post system will need to be erected. This will support a steel deck for the installation of a single ply roofing membrane such as Sarnafil or similar. The outer shell of the corridor would be lined with metsec panels with insulation and clad with a mix of brick slips and render to match Centre Block.

Due to the length of the corridor the Trust have decided to create a small reception/waiting area at the end of the corridor as well as toilet facilities. The corridor is separated with two sets of double doors that divide up the corridor run. This is due to an existing fire exit that will be incorporated into the corridor with its own fire rated lobby to maintain the existing fire escape route.

Access

The corridor will be accessed internally from Centre Block via the current rear exit. The corridor will be raised to match the internal floor level with a slight slope down to allow the fire escape to function at the same level. A series of escape exits will also be provided along the corridor run with ramps down to ground level. The ramps are due to the existing ground level has a steep incline down away from the building. These ramps will be DDA compliant despite their function is only for emergency exit.

Flood Risk Assessment

The site is deemed very low risk, an area with a low probability of flooding and not near a water course. Therefore, a flood risk assessment is not applicable

Noise Impact Statement

Due to the nature of the proposal and that the site is set back on the hospital site, sheltered by trees from Redlands Road and is low level, we feel a noise impact statement is not applicable.

Daylight or Sunlight Assessment

We do not feel a daylight or sunlight assessment is necessary because the proposal is single storey and set back from the hospital boundary, therefore there is no effect on the daylight or sunlight to nearby properties.

Trees

There are two small memorial trees (sapling size) in the site area. One in the centre of the grass area and one just outside audiology. The Trust have been planning to move these trees from their current locations as part of a memorial garden project that being planned at Craven Road, closer to the entrance of the hospital.

Conclusion

In conclusion the project for the CT scanners is designed to add additional functions that work with the existing facilities on site. This will allow the Trust to proceed with much need internal refurbishments without any detriment to patient services.