

5 Recommendations and Next Steps

Conclusions

This report presents the culmination of RIBA Stage 1. This is a strategic gateway for the project and enables the client to undertake an holistic overview of whether the concept design meets the initial strategic objectives, and can be developed within acceptable constraints.

The current proposals allow for collaborative working, and create a highly efficient environment that will facilitate first class research within the Institute. It provides a good balance of varied facilities, including similar sized specialist labs and more open plan wet labs with write up and office space. The write up and wet lab area is planned to be as flexible as possible to accommodate changing patterns of research teams.

In order to achieve a scheme within the project budget, the current proposals assume a reduced number of researchers and a smaller CBS than the original brief. There is also no capacity for growth.

The size of the CBS on the ground floor will be determined by the other uses required on the ground floor which will be further investigated and resolved through Stage 2. Further consultation with the users has indicated this may change as they review thier priorities with regards the requirements for the CBS balanced against the number of researchers the building can accommodate.

There has been further consultation with the users with regards the relationship between the write up and laboratory accommodation. We presented the 2no options illustrated wihtin this report and both were recognised as being achievable. Moving forward, the oppotunities and constraints of each option should be considered within one design approach which is seen as the best holistic solution building wide.

The following elements are key features of the design

- Clustering the lab, write-up space and PI offices around informal social and breakout spaces is in line with much of the feedback from the user consultation sessions. By centring the lab spaces, a flexible solution is still presented as lab/ secondary spaces can grow and shrink into one another.
- A dynamic atrium space that climbs up the building activates large portions of the building, and integrates the circulation into the write-up and social spaces. It will draw visitors and researchers in, reducing the pressure on vertical transportation - this further activates the spaces around the atrium and fosters collaboration.

Recommendations - What Happens Next?

The key recommendations are:

- Confirm that the Stage 1 Feasibility proposals meet the strategic requirements of the agreed project brief
- This Stage 01 report is to be shared with the Project Board to seek a consensus endorsement to move to RIBA Stage 02
- Project Board to authorise the project team to proceed directly to RIBA Stage 2 with a target to reduce the under-provision in animal house
- Agree this report as a basis for future consultation and briefing, future design development and the drafting of a planning application
- Confirm the project cost plan is within the acceptable expenditure limit for the project

What does the Design Team need to do next?

- Determine the fate of the existing electrical sub-station and work with the ICHT (and their electrical infrastructure advisors) to develop the topology for the incoming power to the LMS building
- Consider how best to recognise and incorporate LMS's comments into design development
- Development of the structural solution
- Development of the MEP solution including connecting the new building into the existing Campus wide heating infrastructure
- Review elevational treatment and composition
- Develop selection and specification of materials for the building envelope
- Develop deliveries strategy
- Further dialogue with user groups to enable production of Room Criteria Sheets.
- Begin discussions with Planning Department by instigating the formal pre-application process;
- Continue discussions and engagement with the local community, stakeholders, and other interested parties
- Continue with the reviewing the sustainability requirements
- Further investigate traffic issues with Highways Department
- Further review of the fire engineering and building control issues
- Review the process of the physical construction of the works
- Begin discussions around the procurement route for the new build, in addition to the timing /extent of tender information
- Continue monitoring the Health & Safety risks for the project
- Drainage (SUDs) strategy
- Develop overall madding and plant/ riser/ distribution strategies
- Develop structured cabling strategy based on MRC/ ICL ICT strategy
- Surface and foul water pre-development enquiries to ascertain probability of connection to public sewers
- Consider procurement route for the new build

What does Client need to do next?

- Submission of Stage 1 Report and Business Case document to Project Board for agreement to take the project forward - (early October 2017)
- Confirm funding approval from BEIS following Gateway Review - (on 6 October 2017)
- Whilst comments have been fed back on draft Stage 1 report, a consensus to progress to Stage 2 will be agreed between ICL and LMS in meeting wk/com 9 October 2017.
- Reconfirm the construction budget for the building (ongoing).
- Develop the facilities management strategy for the buiding (ongoing).
- Priortise and balance the requirements of the CBS brief against the number of researchers / PIs within the building - (mid October 2017).
- Continue discussion with neighbours including ICHT and neighbouring school ARK Burlington Danes School to discuss site logistics and visual impact of the new building (ongoing).
- MRC / ICL to review Design Notes produced by the Design Team to confirm our understanding is correct and aligns with current design standards - (mid October 2017).
- Complete site surveys and input the relevant findings into the design process - (ongoing).
- Provide detailed feedback on the design proposals produced to date - (early October 2017).
- Review and confirm the specific briefing requirements for the various lab groups - (mid-end October 2017).
- Fundraising with other partner organisations such as the British Heart Foundation - (ongoing).
- Confirm the life span to which the building should be designed - (ongoing).
- Consider procurement route for the new build - (ongoing).

7.1 Stage 1 Sustainability Review

7.2 Proposal Option 1 and 2 Drawings