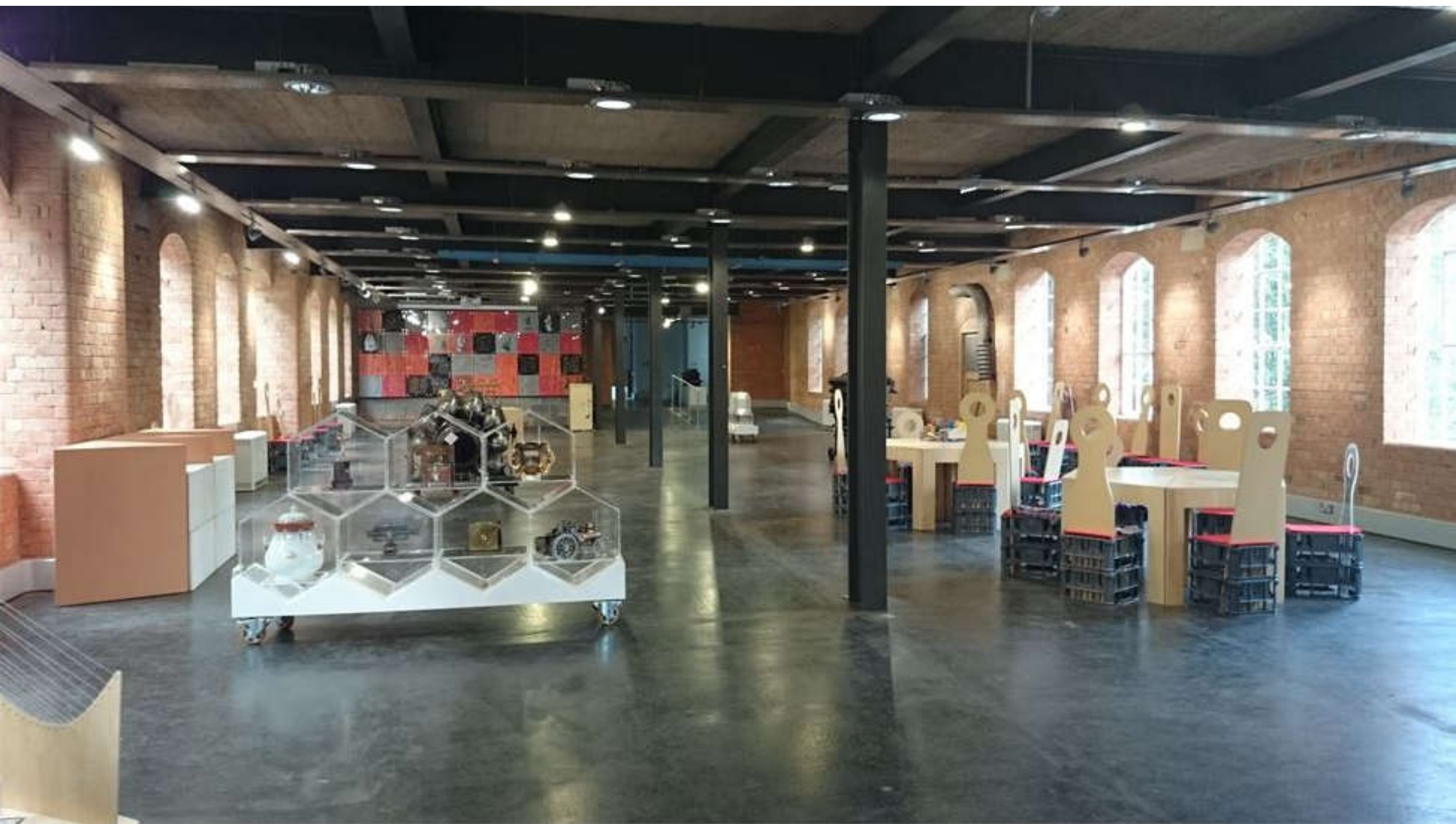


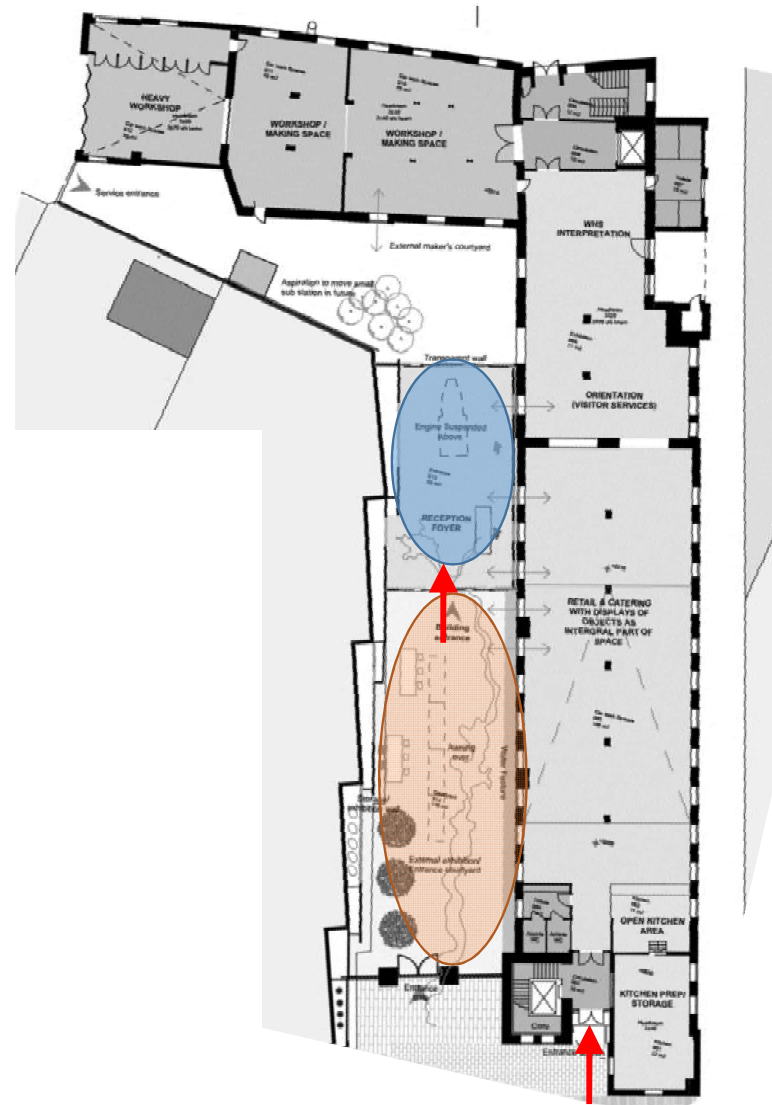
Derby Silk Mill

CAAC Presentation

April 2017



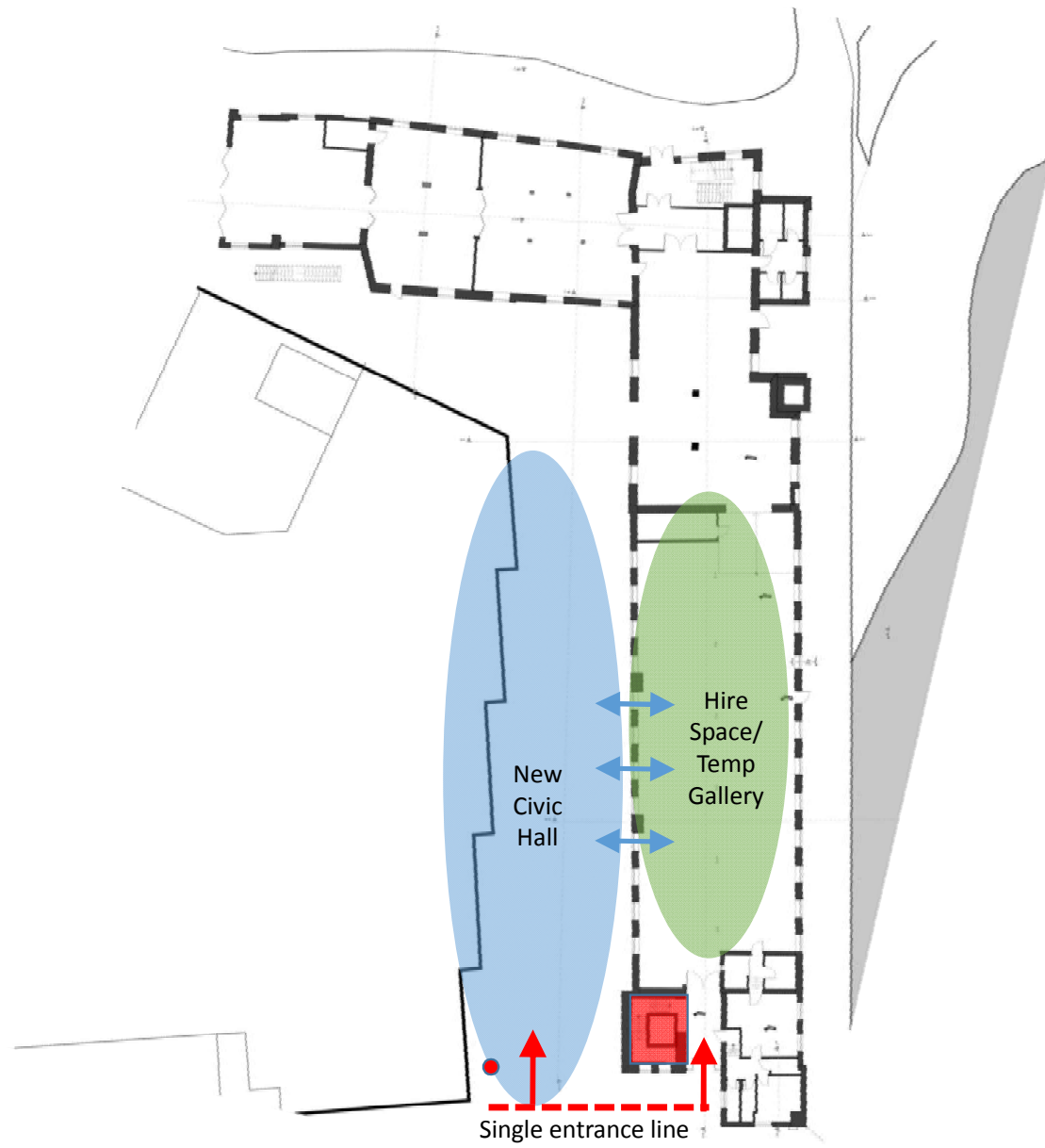




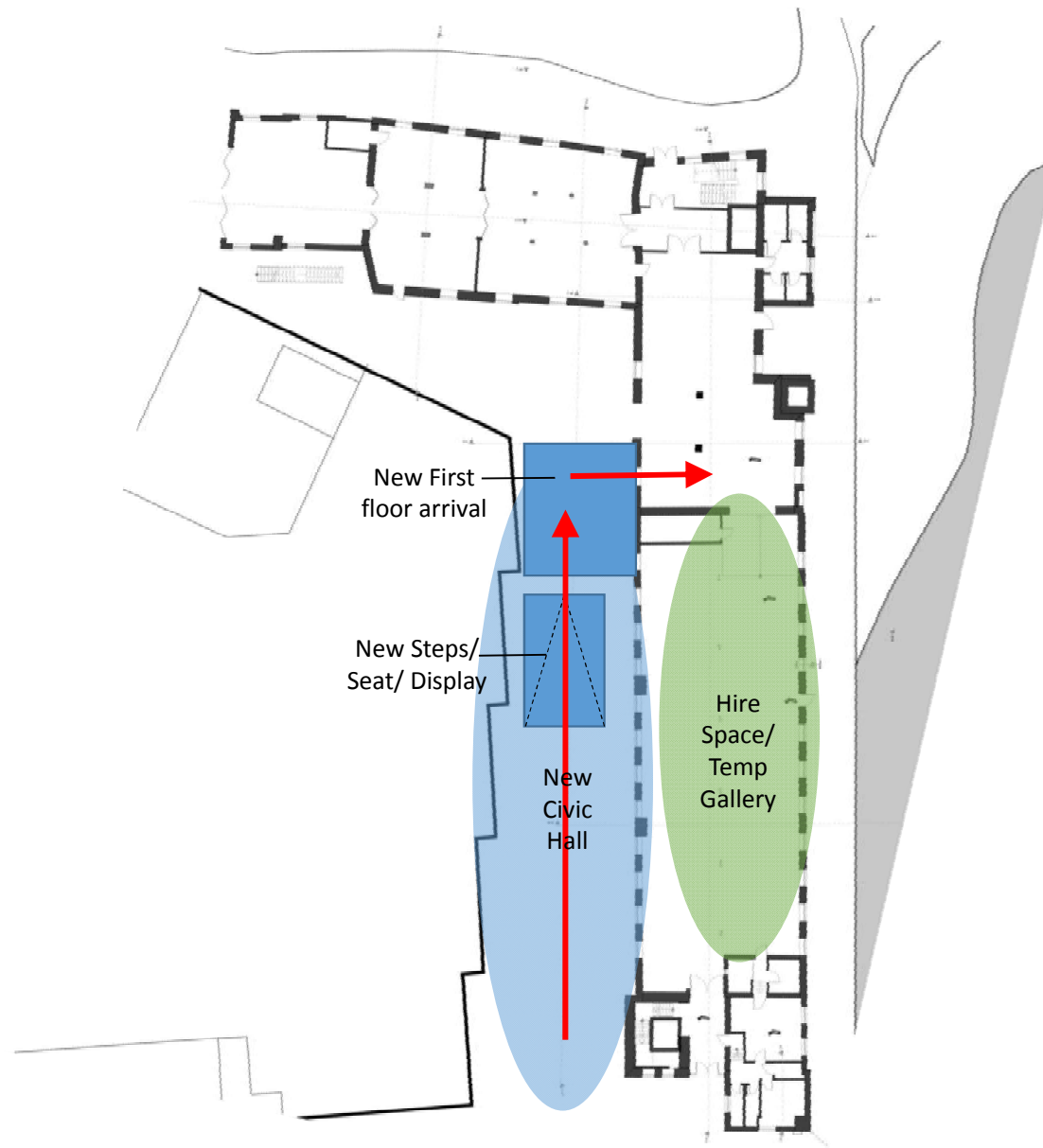
HLF Stage 2



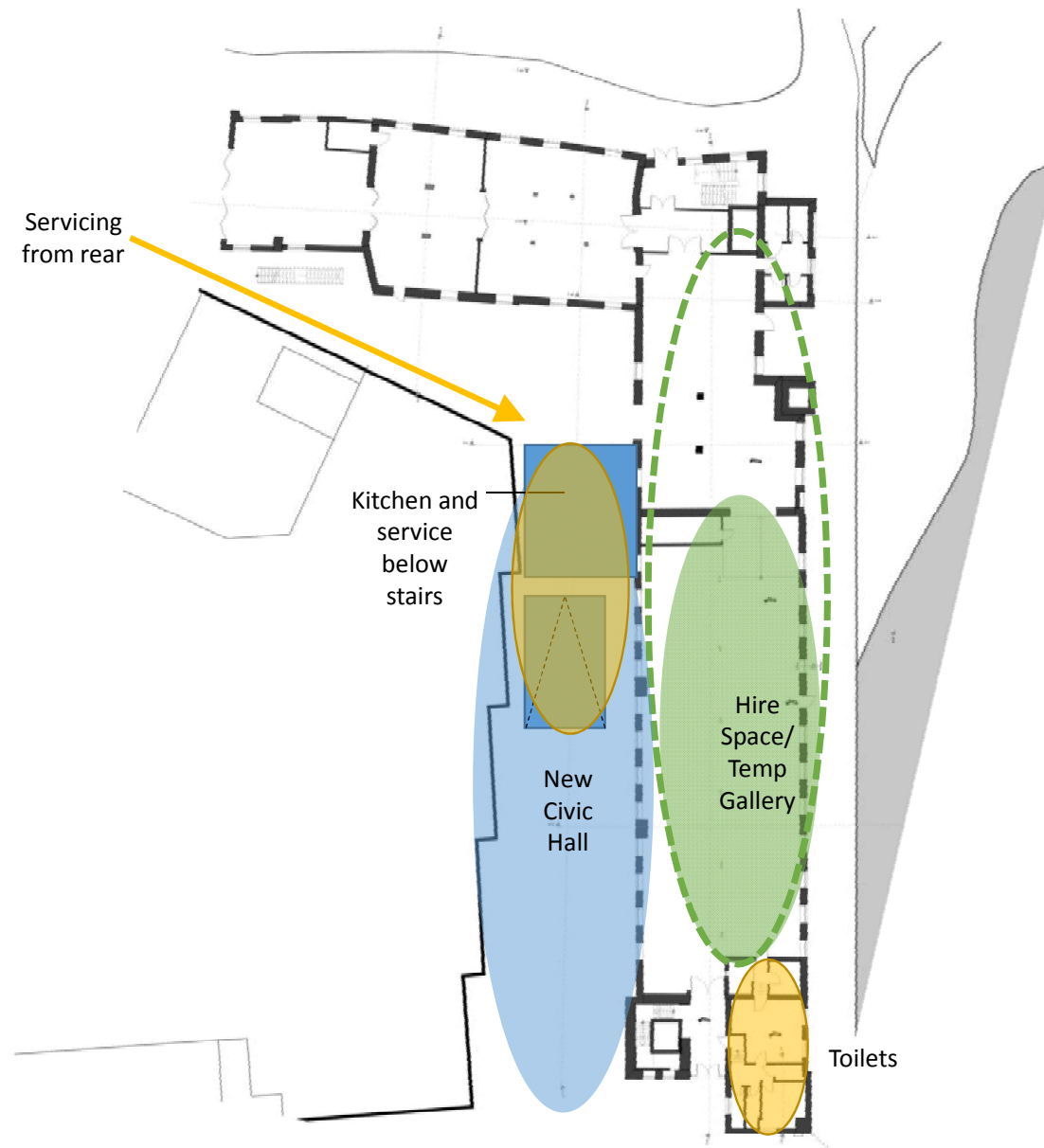
HLF Stage 2



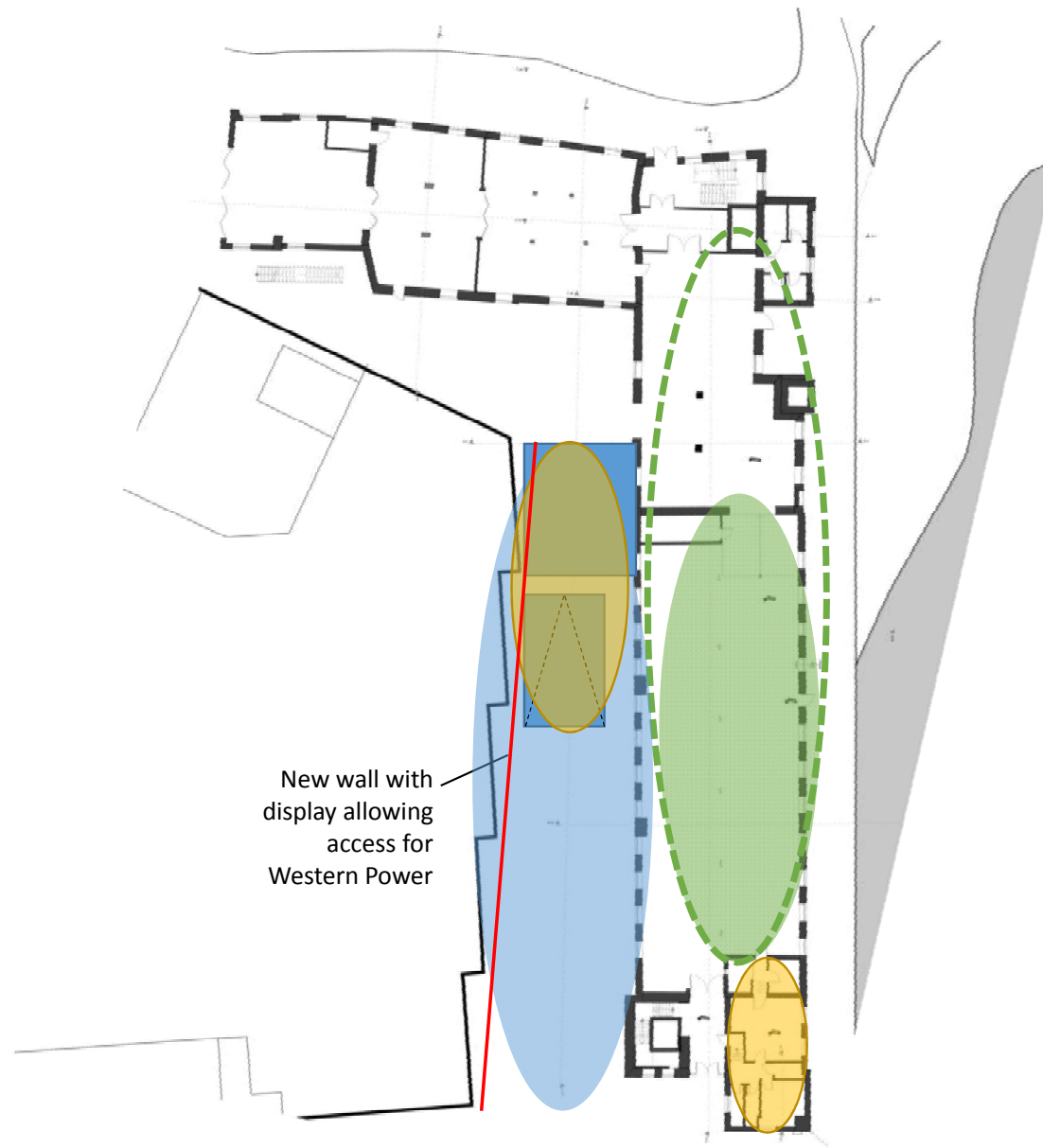
Current Strategy



Current Strategy



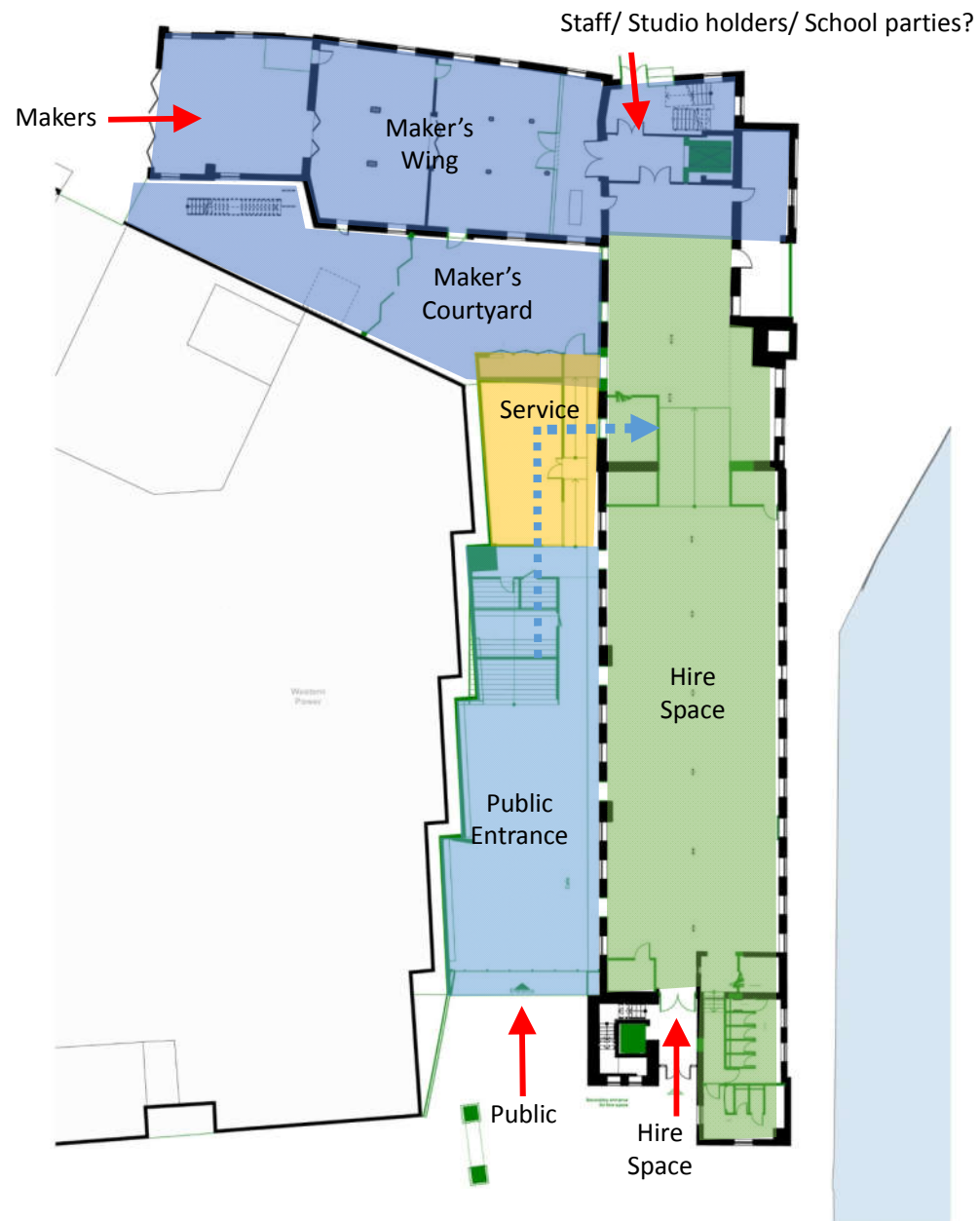
Current Strategy



New wall with
display allowing
access for
Western Power

Current Strategy





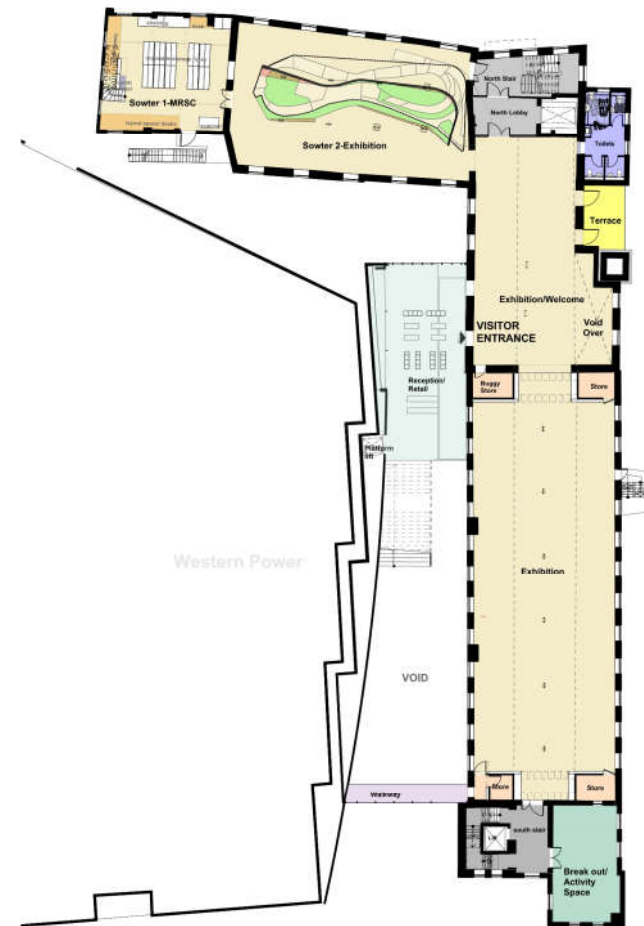
Current Strategy



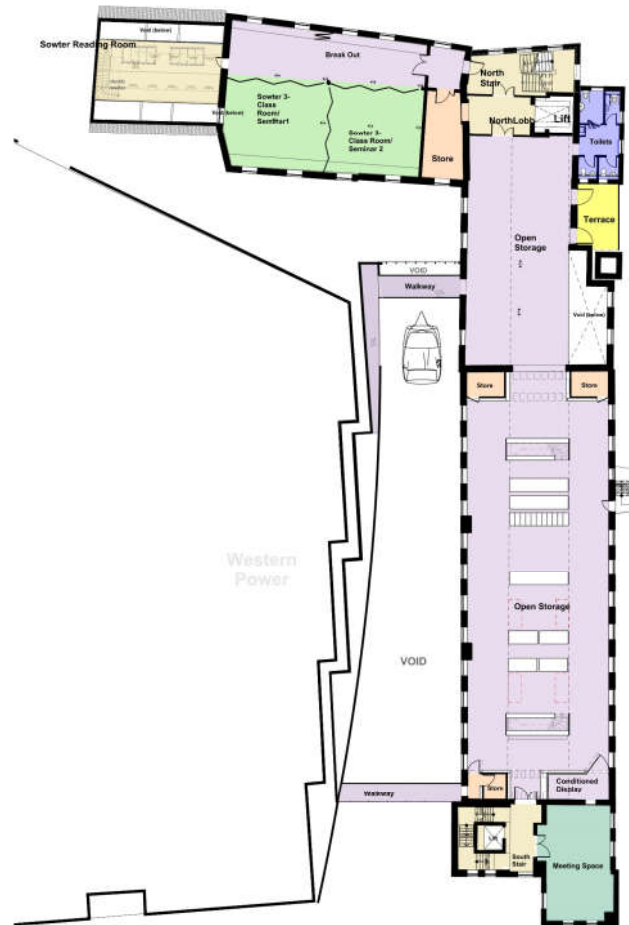
Ground Floor - OPTION A



Ground Floor – OPTION B



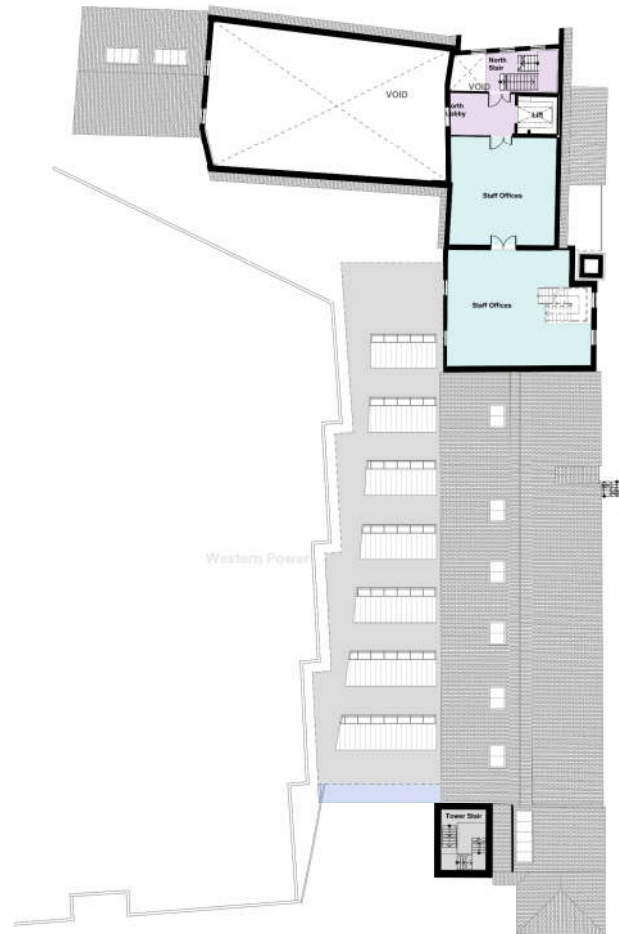
First Floor



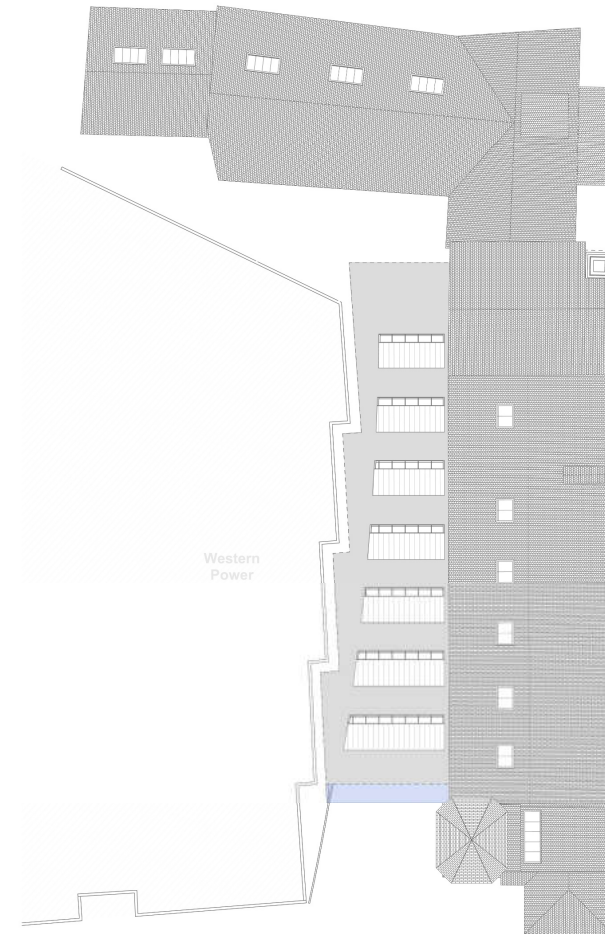
Second Floor



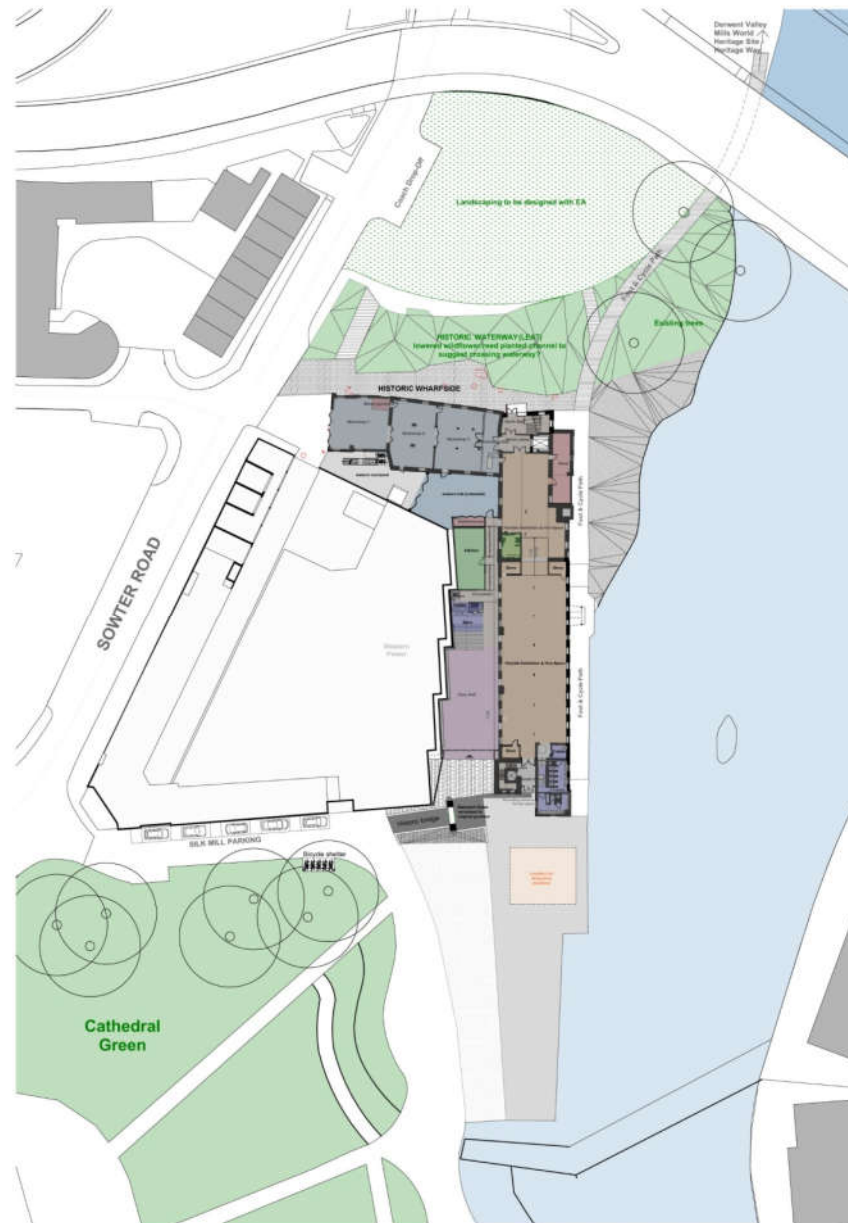
Third Floor



Fourth Floor

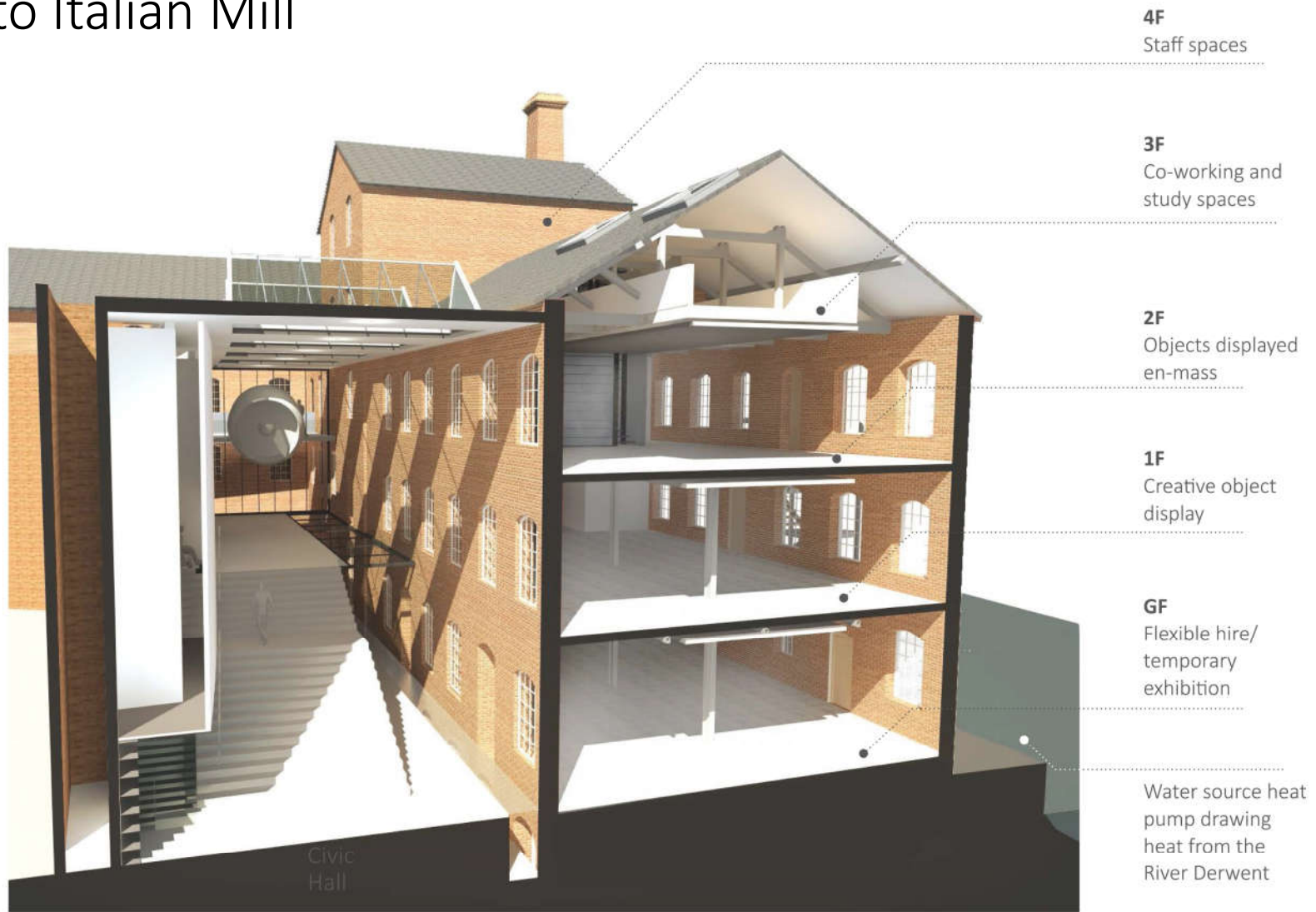


Roof



Current Strategy
Public realm

Mezzanine to Italian Mill



Short section through the Civic Hall and Italian Mill

Mezzanine & Void to Sowter Mill



Cross section through Sowter Mill

Intervention	Narrative/ Proposal	Issues raised in Historic England letter of 16th December 2016	Issues Raised in Meeting on 9th February	Actions Required	Comments By HE	Comments By DCC Conservation Officer
Ground Floor Slab Replacement	Floor needs to be replaced as reinforcement below is exposed and slab is failing structurally. Replacement slab will be at same level with 280mm concrete upstands around external walls to create an effective flood defence level to equal that in the rest of the mill. Impractical and big impacts on the historic fabric to raise height of slab in rest of mill. Will achieve a 1:40 year flood event protection.		No particular issues	No specific further justification required		
First & second Floor Slab Replacement	Concern that second floor slab will not be capable of loading required for the museum accessible store areas. Downstand beams below slab cause issues with elegant servicing strategy- servicing would have to be below lowest beam further restricting the height of the space and looking visually cluttered. Slabs both have been replaced sometime after the 40's from the 1910 timber floor. Floor levels in the mill generally have changed over the years. Proposal is to replace the slab at first and second floor level with a new structure that will have the steel within the depth of the slab. Still see the structure exposed on the underside of the slab. Servicing can be incorporated into flat soffit- lack of visual clutter and restriction on headroom in space. Suggest replacing slab at 280mm higher than existing so that there are no temporary propping works and floor level in Italian Mill is the same as rest of mill.		No specific objection or support. Went to see the slabs after the meeting on the walk around	BLA to provide a design narrative		
Civic Hall - Relationship to Tower	Front line of glass not considered to be an issue tucked as it is on the back line of the tower. Canopy provided to give shelter, shade the south facing glass both for over heating and in order to reduce reflection and increase transparency into the civic hall.	would like to understand more fully how the space will be viewed and experienced at this junction. Looking at the 3D section, we are not convinced on plan, by the roof and enclosure (?) cutting across the tower. We would like to fully understand how this will work and to consider the option of setting back the new extension beyond the tower reveal.	Concern over the impact of this on the tower	BLA to provide more options of alternatives as well as a design narrative		
Civic Hall- Roof Form	north lit roof form to echo industrial aesthetic (albeit of a different period) to maximise north light, to maximise view through roof when viewed from the south so mill complex can be appreciated, so maximise south facing pitches for pv and solar thermal arrays so not having to be installed on historic fabric.	We would like to consider the prominence of the proposed north roof and how the existing elevation will continue to be read with the new addition.	No issues with this in principle	No specific further justification required		
Converting Windows to Doorways	4 number windows on ground level of the mill and one at first floor towards the rear of the space to be converted to doorways to allow connection between the spaces. This is key to the viability of the ground floor spaces which are required to sustain the business model. Glass sliding doors to be installed inside the mill so no obscuring of the original reveal. Pattern of glazing and brick courses to be etched onto glass as manifestation and to give a ghost of the original proportions of the window. central window in each bay of three converted to work with the existing rhythm.	We appreciate there are a number of aspects to this scheme, elements of which, including the adaptation of windows into doors, may result in a degree of harm to the significance of the mill and the OUV of the World Heritage Site. These works will require robust justification and how these works are necessary.	No particular issues but requires a statement to fully substantiate the need and to limit the adaptations to as few as possible.	Statement on why the connectivity is critical and why this number is required		
Front Roof Remodelling	modelling of roof less extensive that discussed with Penny previously. Tried to do the minimal thing that works with the existing geometry. Required in order to get the lift and stair up to the third floor attic space and access up to the tower to create a viewing platform which is seen as a benefit. There needs as a minimum a corridor to come out of the side of the tower at third floor level from the lift and stair		Some concern on impact and discussion on need	Further justification to be provided together with other options and an indication of the minimum space that is required.		
Rear Toilet Remodelling and Extension	Rear toilet block 60s or 70s inelegant and poor windows. Poor thermal performance as well. Need to extend the lift overrun so as to serve the fourth floor and provide more toilets so that we can provide adequate facilities but not have to sub divide internal volumes and loose character. This would extend the volume above the current eaves level. Proposal to clad the structure and externally insulate and rationalise the windows to reflect the new internal arrangement.		Concern on extending the volume above the eaves line and the idea of over cladding it so that it might compete with he original fabric. Prefer to replace windows but not make it any more noticeable	Further justification required as to why this is the sensible place to have toilets and why there are needed. Reconsider the over cladding.		
Bakewell Gate Relocation	Intention to move the gate back to its original location. Very much supported by the conservation group. Will require some other works to the public realm to aid interpretation of the flume and create a threshold to the mill.		Supported	No specific further justification required		
Window Strategy	In order to improve the building's environmental performance some treatment of the windows is required. Three options might be considered: secondary glazing internally leaving existing windows unaltered, removal of some or all of the glass for the existing windows to allow ventilation with secondary glazing behind creating weather seal, replacement of windows with new window.		The first option is considered the most appropriate. Concern over the second option for it affect on the window and the last options would not be acceptable. Strong justification based on environmental performance is required for any changes to existing windows. GS felt it would be hard to get a modern replacement for the windows that was as fine	Further exploration required and full justification based on environmental modelling.		
Rooflights to Italian Mill	Rooflights to be situated on the land side of the roof pitch so as not to disturb the key view from the river.		No particular issues	No specific further justification required		
Roof lights to Sowerter Mill	Roof lights to be on the north pitch of Sowerter Mill so as not to over heat so they will be on the exposed side of the mill		No particular issues- would prefer roof light strips to a series of individual lights	No specific further justification required		
Flood	The mill is in the floor plain of the River Derwent. The EA's proposals for flood defence will not prevent the mill flooding. The intention is to increase the flood defence level from 1:xxx to 1:40 by installing a new concrete floor in Italian Mill with 280mm perimeter upstands to give the same protection as to the rest of the Ground floor of the mill.	Previously we highlighted the issue of flood defences and archaeological considerations - your email dated 29 November 2016 has recognised this, and we agree it would be useful to discuss further.	No particular issues	No specific further justification required		
Archaeology	Archaeologists have been approached to produce an archaeological statement and watching brief. In particular there is an intention to reveal some of St Michael's Wharf to the north and potentially the site of the mill wheel in the flume.	Previously we highlighted the issue of flood defences and archaeological considerations - your email dated 29 November 2016 has recognised this, and we agree it would be useful to discuss further.	No issues	No specific further justification required		
Mezzanine to Italian Mill	Attic space to become useable space. Headroom rapidly reduces off the centre of the ridge. Space felt to be more useful for the accessible storage space below than to the workspace in the attic. Suggest reducing the floor so it feels like a mezzanine in the space.		no particular issues but would like to see more drawings of proposal	Further information required.		
Mezzanine to Sowerter Mill	Creation of a reading room in the double height space at the end of Sowerter Mill		no particular issues	Further information to be supplied as this would mean a change to the existing trusses		
void in sowerter mill floor						
roof to rear yard						

Civic Hall - Relationship to the Tower



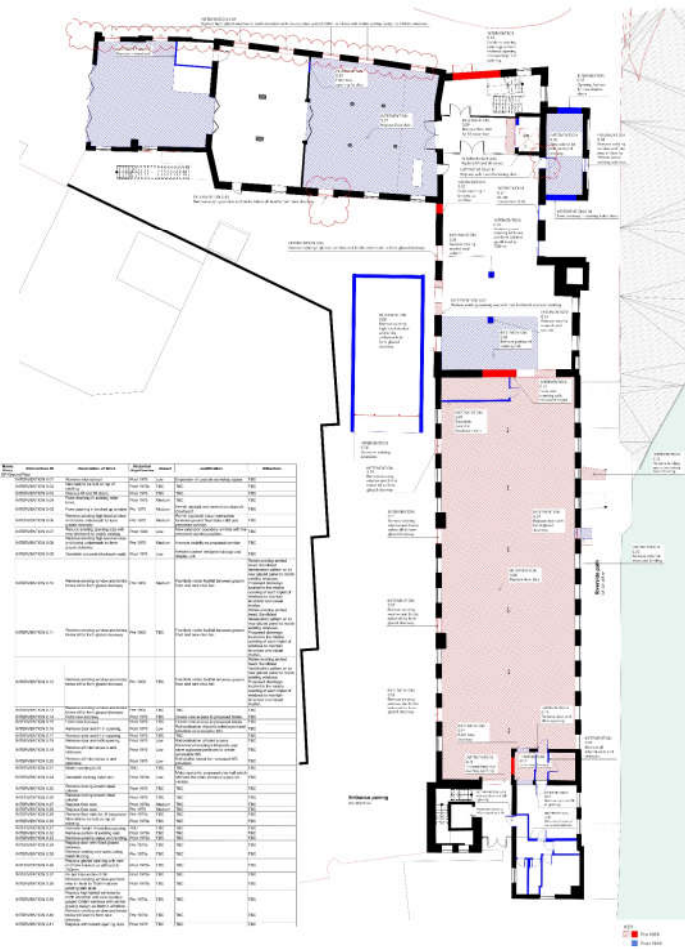
Front Roof Modelling



Civic Hall – Window Alterations & Roof Form



Ground Floor Slab Replacement



Ground Floor

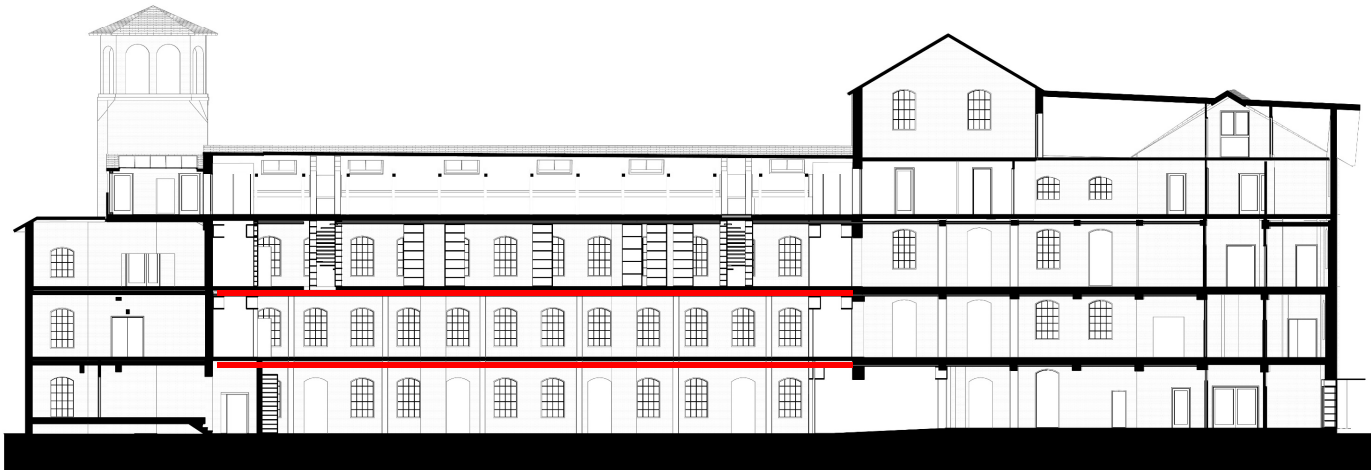
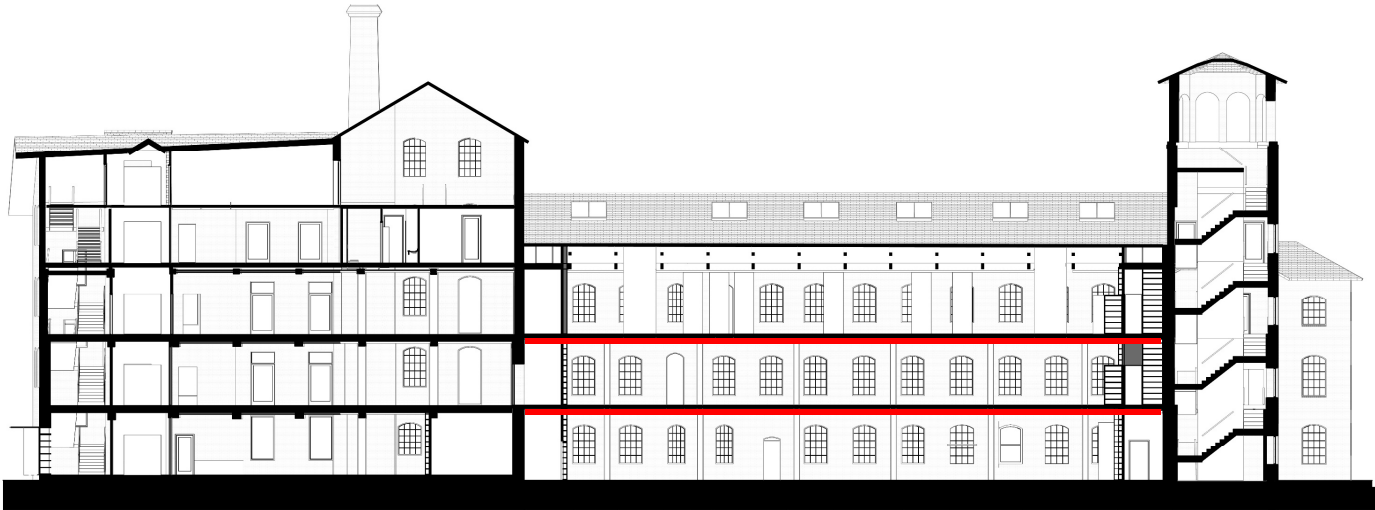
First and Second Floor Slab Replacement



First Floor

Second Floor

First and Second Floor Slab Replacement



Bakewell Gate Relocation



Option A – Longer Civic Hall and Bakewell Gates restored to historic position



Option B – Shorter Civic Hall and Bakewell Gates retained in to current position

Civic Hall - Internal





External Stairs

