



View from NE (corner of High Rd and Trinity Rd)



View from NW (Trinity Rd)



View from SW (Bounds Green Rd)

6 Architecture

6.2 Trinity Road Building

6.2.9 Link Blocks

Original 1950s Master Plan

The original master plan for the Civic Centre site included an auditorium and library to the west and north of the site respectively. The west wing of the Civic Centre was to connect to the auditorium and the library was to connect to the Civic Centre north wing creating a landscaped central courtyard (see plan right)

The auditorium and library were never realised however the areas on the facade of the Civic Centre where the link blocks were to connect are visible in the built Civic Centre - as they are faced in render rather than pre-cast concrete. These areas are highlighted in purple on the photos (right).

Proposed Link Blocks

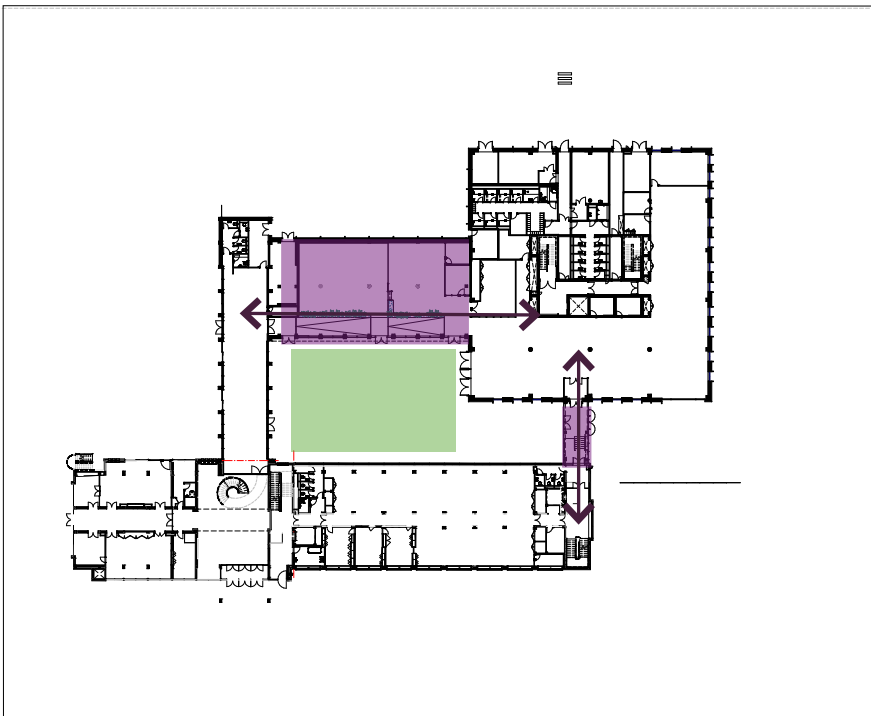
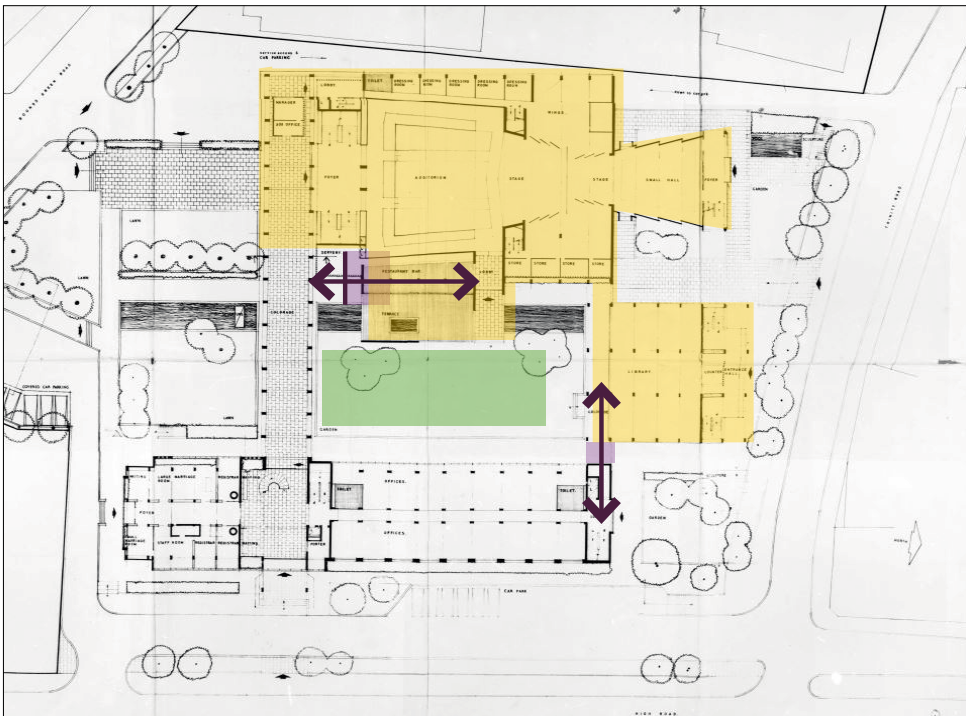
The current proposals include two new link blocks for circulation between the Trinity Rd Building and existing Civic Centre in the same locations as the connections proposed in the original masterplan.

The west link block is a two storey structure, stepped in section with a relatively narrow floor plate at first floor (to avoid a clash with windows in the existing west wing) and wider ground floor. The building connects the existing committee rooms to the Trinity Building at first floor and incorporates meeting rooms and a private terrace area. At ground floor the building connects to the welcome space and provides additional open plan office space.

The north link is a bridge structure at first floor only for circulation purposes. The bridge structure creates a sheltered area to the proposed staff entrance from Trinity Street at ground floor.

Key Plan

- Original master plan - auditorium and library
- Link blocks
- Internal courtyard





View of staff entrance from Trinity Rd

6

Architecture

6.3

Whole building systems

6.3.1

Roof Strategy

Existing Civic Centre Building

The majority of the roof areas of the existing building have a cold roof build-up with pot and beam plus a screed forming the falls finished with an asphalt and felt covering.

The roofs are to be fully refurbished with a warm roof system made up of insulation and high performance waterproofing, maintaining existing falls. All rainwater outlets are to be replaced.

Within the external plant space at level 3, an inverted roof build-up is proposed as a robust solution for plant equipment.

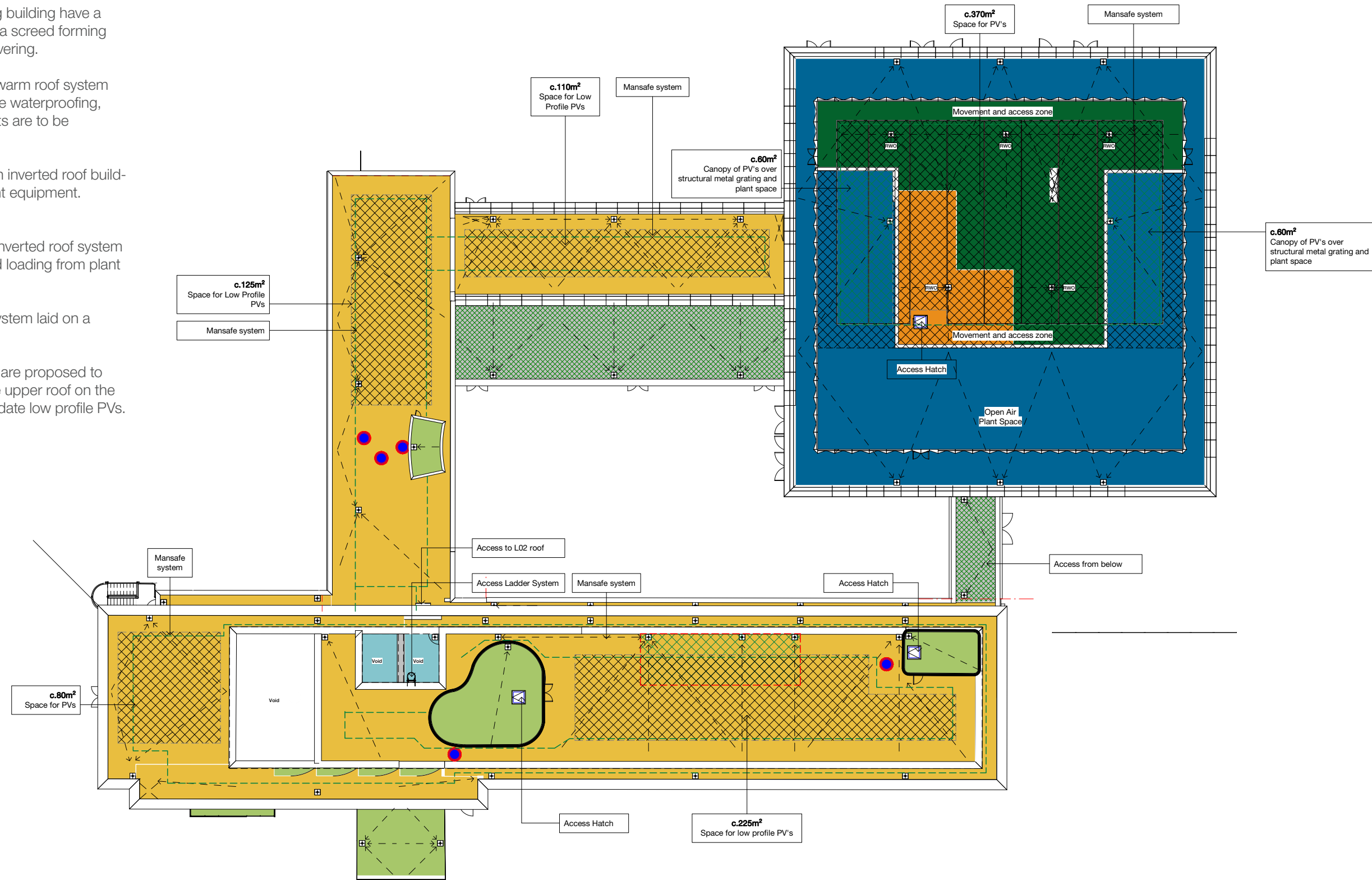
Trinity Rd Building

On the main roof of the Trinity Building, an inverted roof system is proposed due to the increased traffic and loading from plant equipment.

On the enclosed plant space, a cold roof system laid on a concrete slab is proposed.

On the link block roofs, green roof systems are proposed to achieve the urban greening factor, while the upper roof on the west link block is a warm roof to accommodate low profile PVs.

Warm Roofs		
	RFS-FW1	- 0.18 W/m²K
	RFS-FW2	- Structural Substrate to form falls - min. 1:40 - 0.26 W/m²K
	RFS-FWG	- Warm Roof Gutter - 0.35 W/m²K
Green Roofs		
	RFS-FG1	- Taper design tbc. - min. 1:40 - 0.11 W/m²K
Inverted Roofs - Designed to 1:80 falls		
	RFS-FI1	- Pebble/Ballast - 0.18 W/m²K
	RFS-FI2	- Pebble/Ballast - 0.11 W/m²K
	RFS-FI3	- Pavers - 0.18 W/m²K
	RFS-FI4	- Pavers - 0.11 W/m²K
Cold Roofs		
	RFS-FC1	
	RFS-FC2	- min. 1:40 falls
	L10/460	- Circular rooflights to match existing - upstand to manufacturers recommendations



6

Architecture

6.3

Whole building systems

6.3.2

PV Strategy

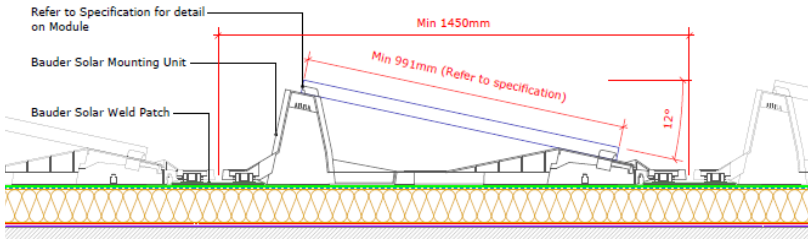
Low Profile Solar PV Modules

Several areas on the existing Civic Centre Building and on the west link block there is a low parapet/up-stand, meaning lower profile PV modules are required to minimise the impact on the building's appearance.

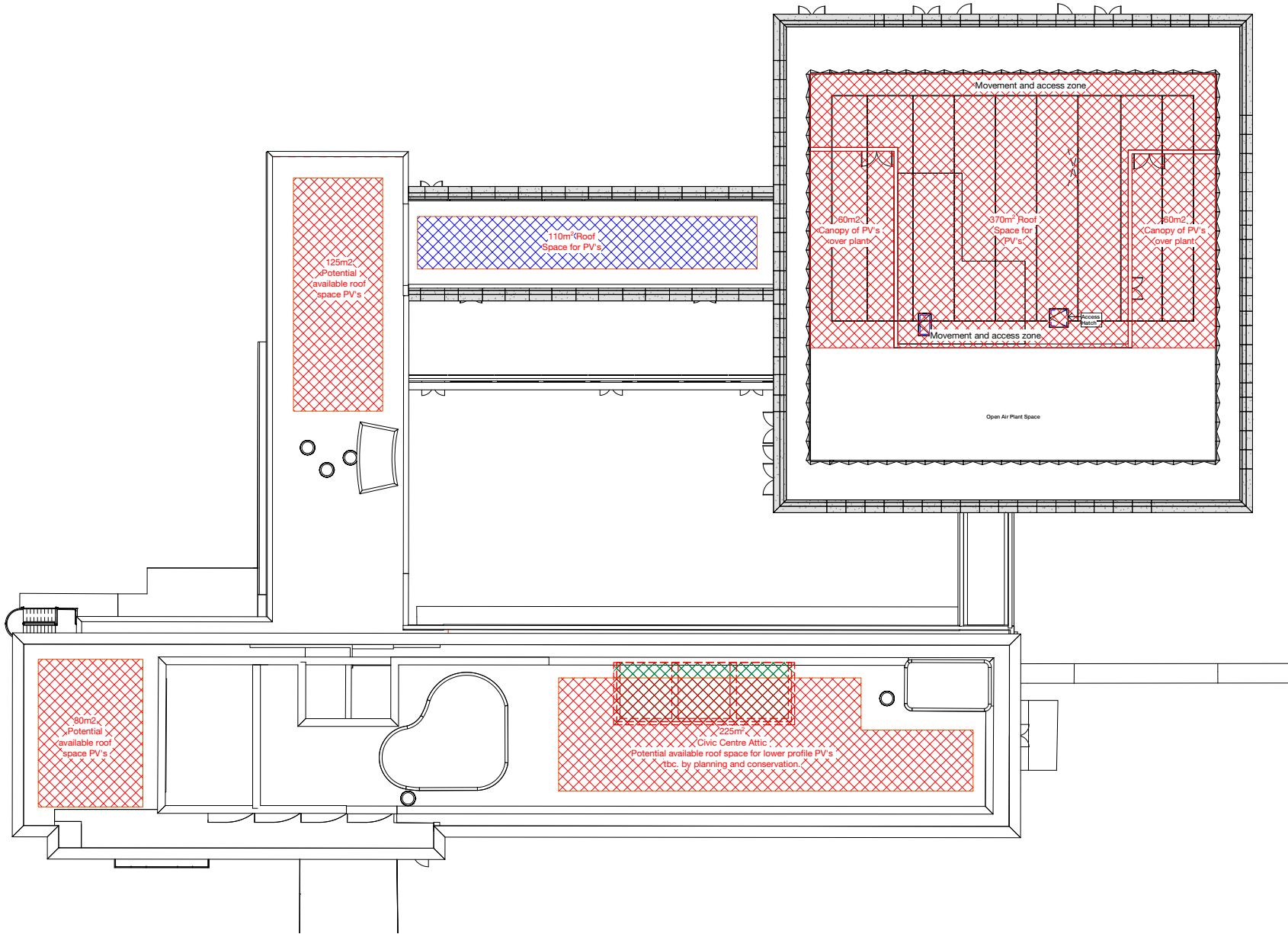


Regular Solar PV Modules

In other areas where there is a parapet, such as the roof space directly above the Civic Chamber and Annex roof, regular solar PV modules provide a greater efficiency.



Low Profile Solar PV Modules Typical Detail





View of central courtyard from welcome space