

6

Architecture

6.1

Civic Centre

6.1.1

Repair and restoration of the civic centre

6.1.1.1

Curtain Walling and Windows

Type 02

Aluminium Punch Windows - GF-L02

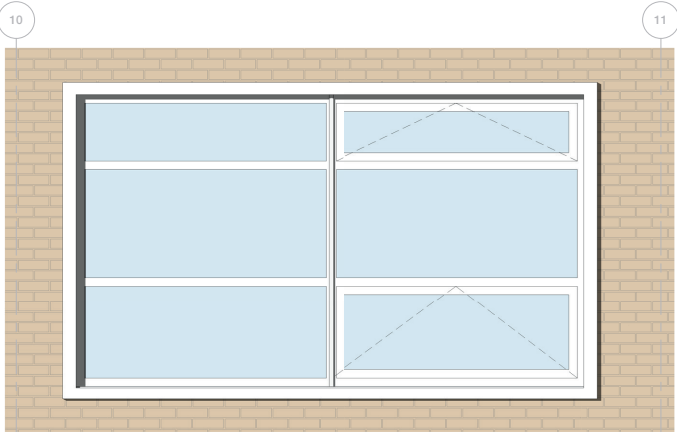


Ground floor to Second Floor
East (Front) & West (Courtyard) elevations

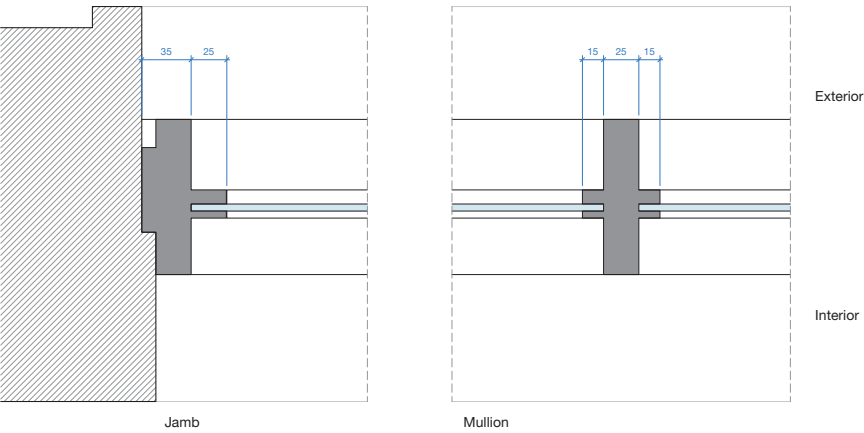
- Aluminium stick system
- Generally Single glazed
- Inconsistent positioning of top-hung opening lights,
- Internally solar control film in places - in some locations this is degrading/peeling
- Sealant/beading has degraded and contains asbestos

Refer to HCC-HBA-XX-XX-RP-A-081001
Supplementary Planning Information for more details

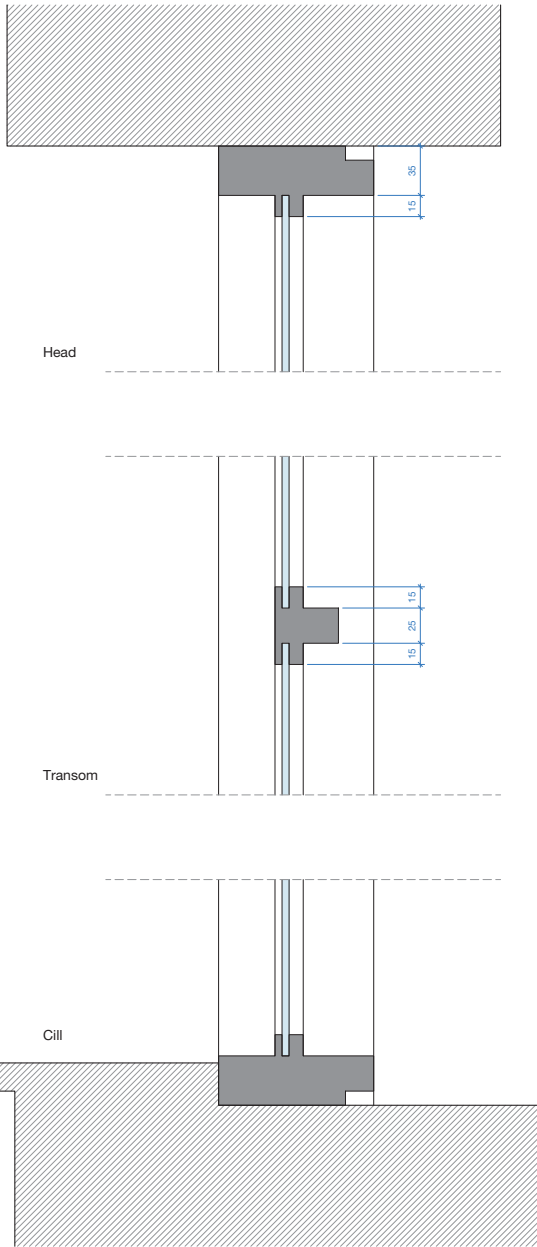
Existing Bay & Typical Profile Sections



L10/331 - Typical Bay - Refer to 310313 & 310314
1:20



Civic Centre - Existing Aluminium Window - Plan Details
1:2



Civic Centre - Existing Aluminium Window - Section Details
1:2

6 **Architecture**

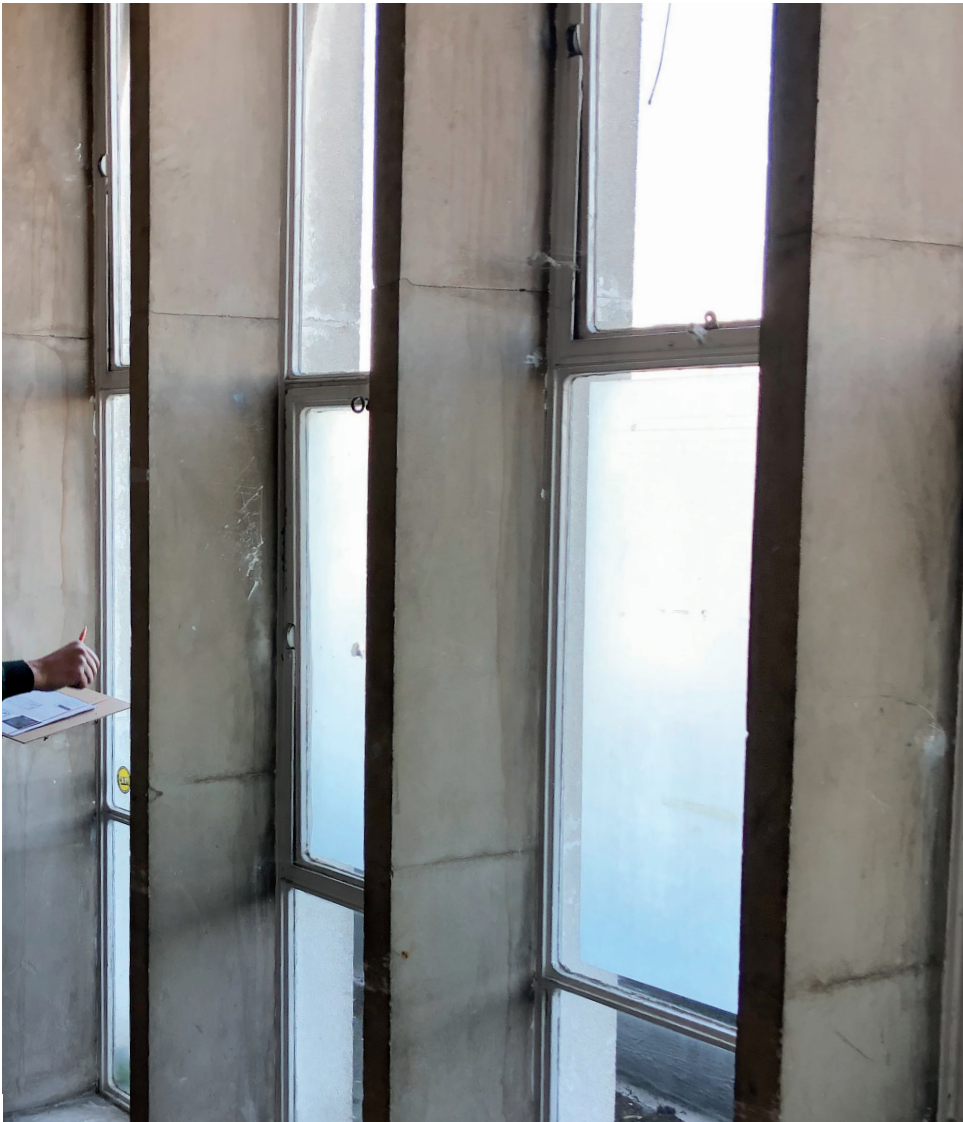
6.1 Civic Centre

6.1.1 Repair and restoration of the civic centre

6.1.1.1 Curtain Walling and Windows

Type 03

Steel Windows

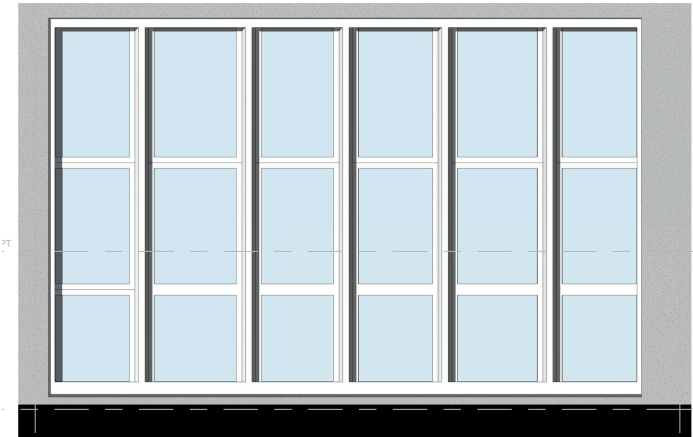


Third Floor (Attic)
All elevations

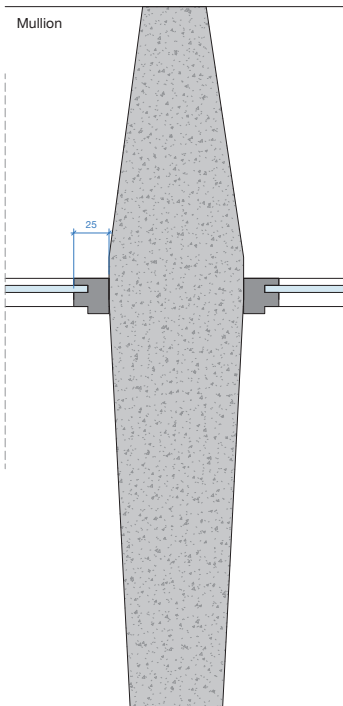
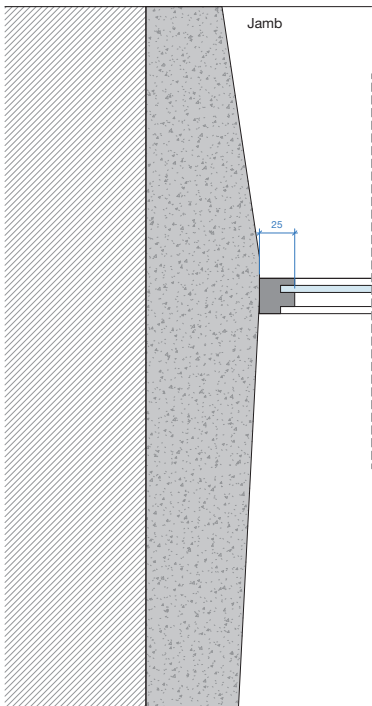
- Steel window system
- Precast concrete surrounds in need of urgent repair (Repaired in places previously unsympathetically), not thermally broken and signs of water ingress.
- Generally Single glazed
- Inconsistent positioning of top-hung opening lights,
- Internally solar control film in places - in some locations this is degrading/peeling
- Sealant/beading has degraded
- Paint added to frames has degraded

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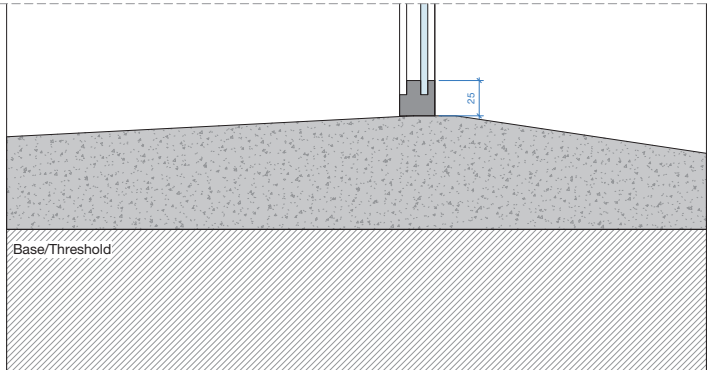
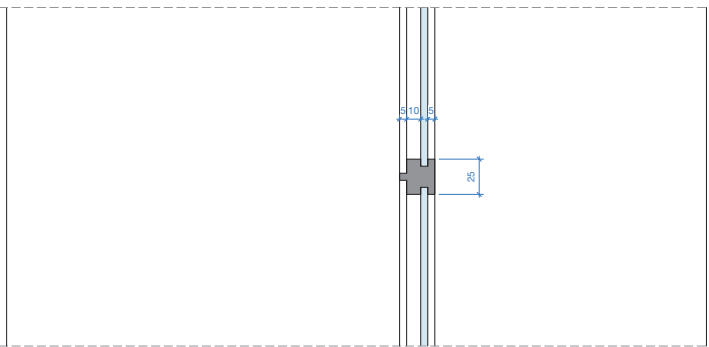
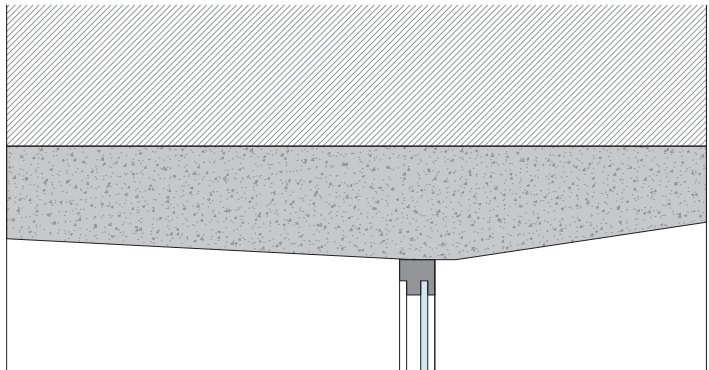
Existing Bay & Typical Profile Sections



L10/332 - Typical Bay - Refer to 310313 & 310314
1:20



Civic Centre - Existing Steel Window - Plan Details
1:2



Civic Centre - Existing Steel Window - Section Details
1:2

6 Architecture

6.1 Civic Centre

6.1.1 Repair and restoration of the civic centre

6.1.1.1 Curtain Walling and Windows

Curtain Walling Systems

The emerging preferred approach for the replacement of the existing curtain walling is a steel curtain walling system which is clad in an extruded aluminium profile cap. The adjacent details show the comparison between existing and emerging profiles.

Windows (Ground Floor to Second Floor)

The emerging preferred approach for the replacement of the existing aluminium windows is a steel system with a bespoke cover cap. Which will be coated in a finish to mimic the current anodised aluminium

Windows (Third Floor - Attic)

The emerging approach for the replacement of the windows on the Third floor is a steel system with a bespoke cover cap. Which will be coated in a finish to mimic the current

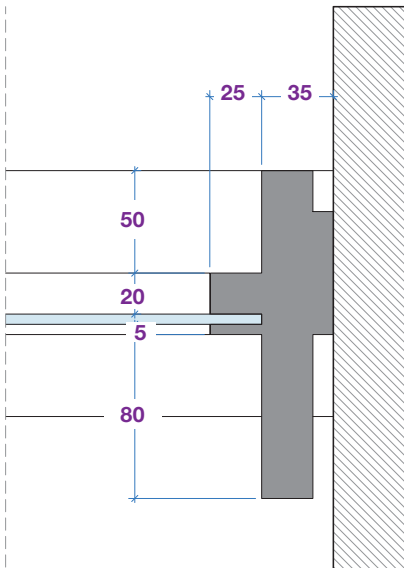
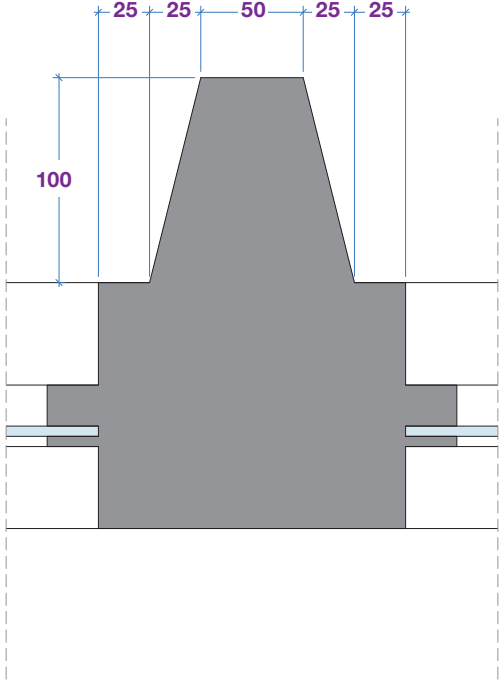
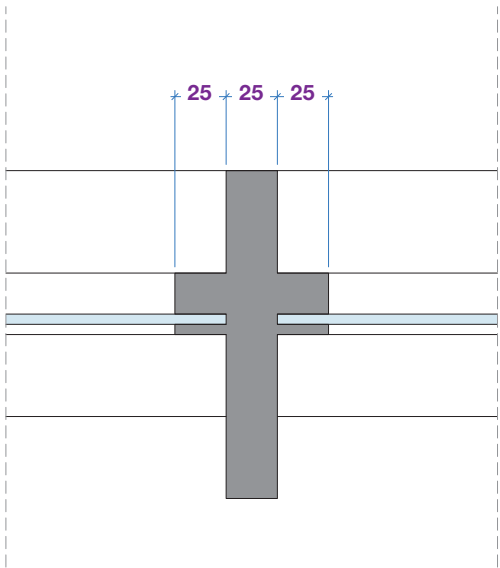
Glazing Generally

The mullions and transoms will match the setting out and proportions of the existing. Double glazed panels are proposed to improve thermal performance and higher g-value glass will reduce the need for shading devices and increase transparency. However, due to the additional weight of the double glazed panels, a steel system is required (clad in anodized aluminium to match existing) to provide the structural integrity without majorly increasing the sizes of the mullions and transoms.

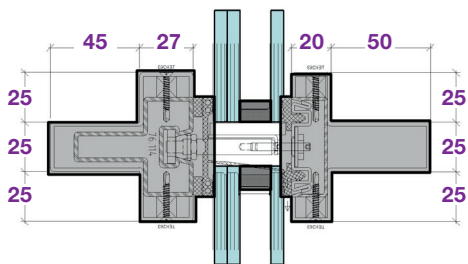
The design team is continuing to develop the preferred approach for the replacement of all glazing systems throughout the civic centre, balancing thermal and solar performance with heritage & conservation aspects.

This proposed solution is being developed to mimic as far as possible the appearance of the existing aluminium profiles & sight-lines. During the next stages, fabrication drawings will be developed ensuring the proposed replacements & profiles will mimic as closely as possible the existing systems.

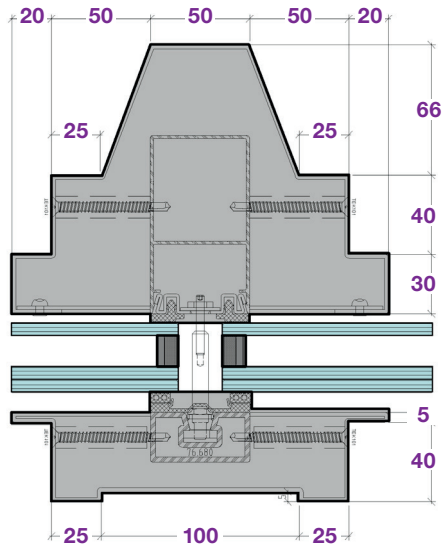
Existing Aluminium Curtain Walling System



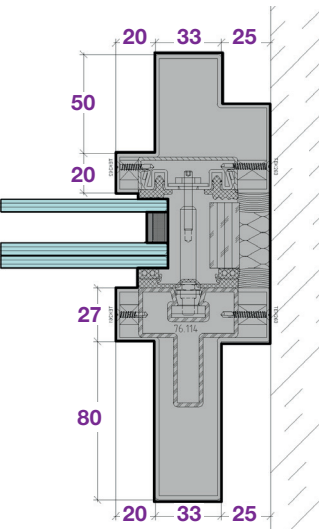
Proposed Curtain Walling System with Extruded Aluminium Profiled Caps.



Transom



Jamb



Jamb

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