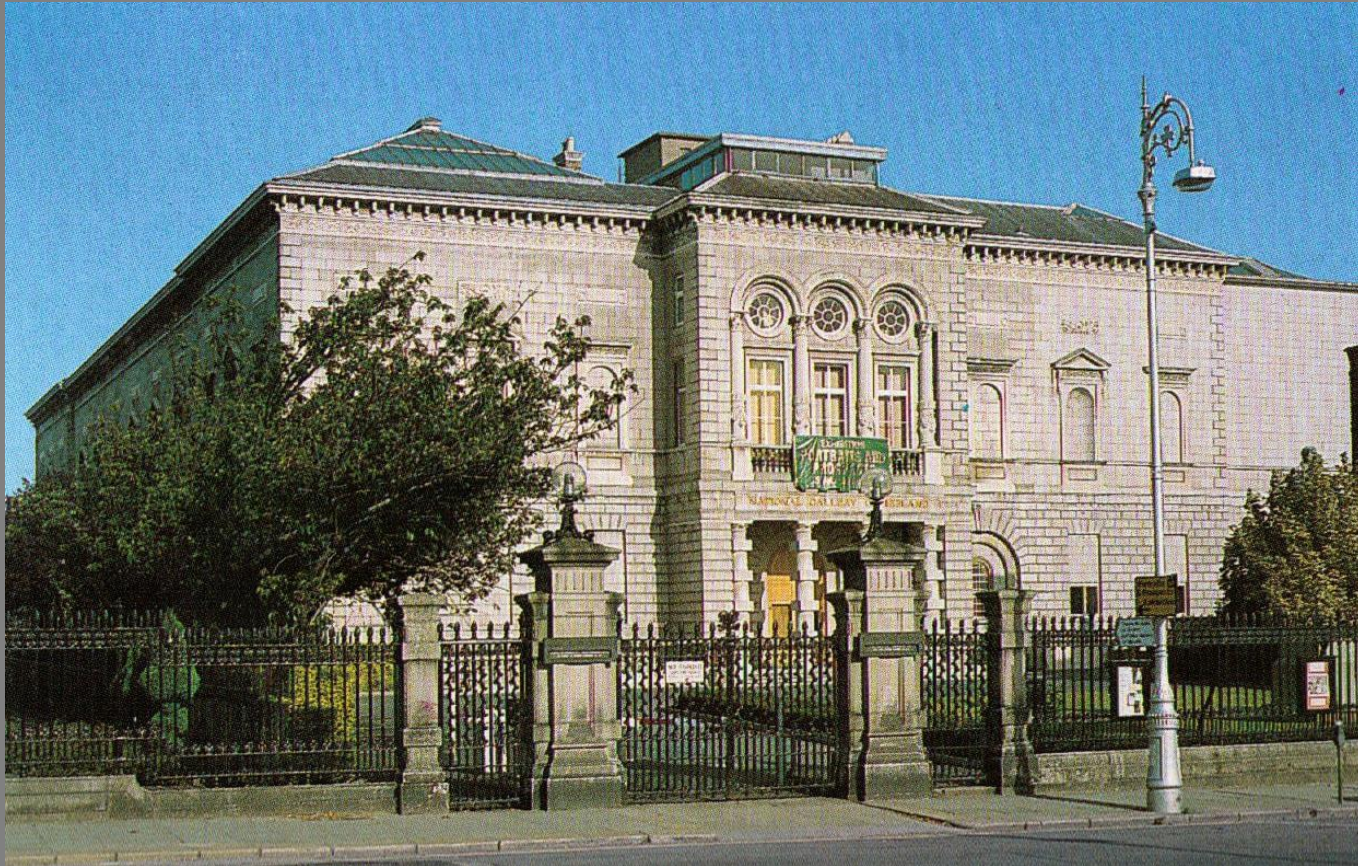


National Gallery of Ireland

Bringing a 19th Century Cultural Institution into the 21st Century



Kevin Blackwood
Blackwood Associates Architects

National Gallery of Ireland

Bringing a 19th Century Cultural Institution into the 21st Century

The Design Team

Heneghan Peng

Blackwood Associates

Architects Design Team Leader

Conservation Architects

Building Design Partnership

Punch Consulting Engineers

FLN Consulting Engineers

Mechanical & Electrical Engineers

Structural & Civil Engineers

Fire Consultants

Davis Langdon, AECOM

OLM Consultancy

Quantity Surveyors

Health & Safety

Client

National Gallery of Ireland

Office of Public Works

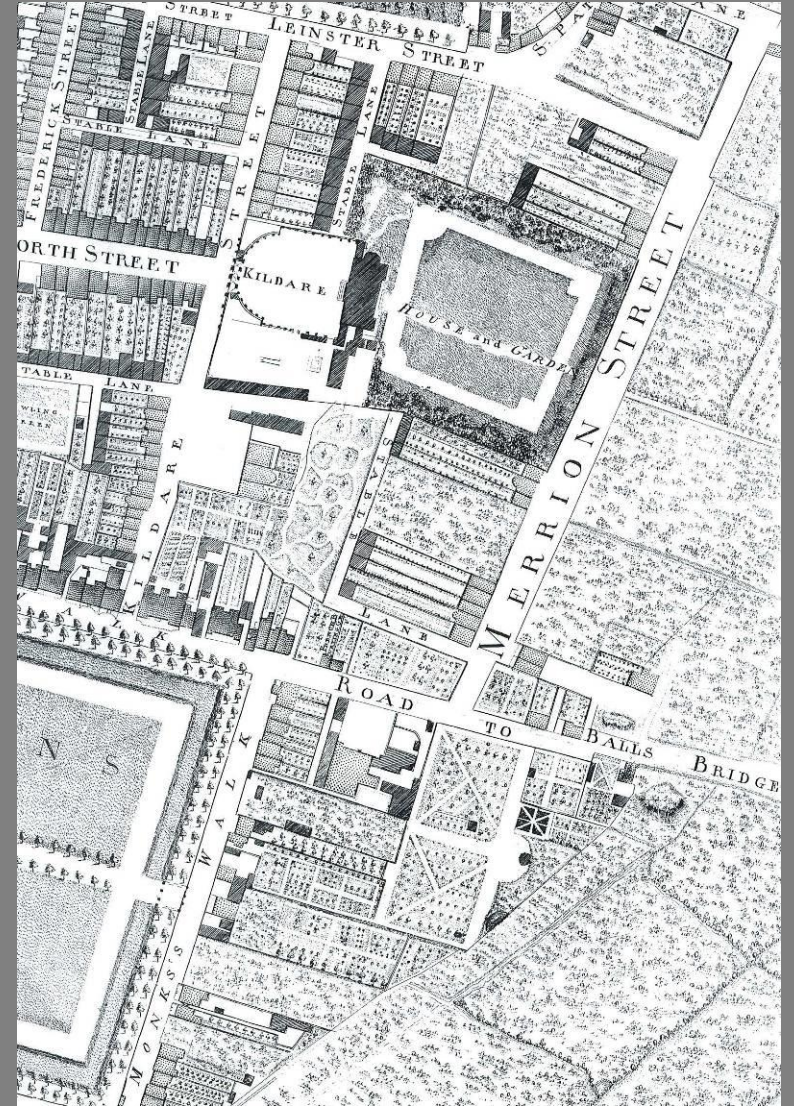
National Gallery of Ireland Gallery

The Brief

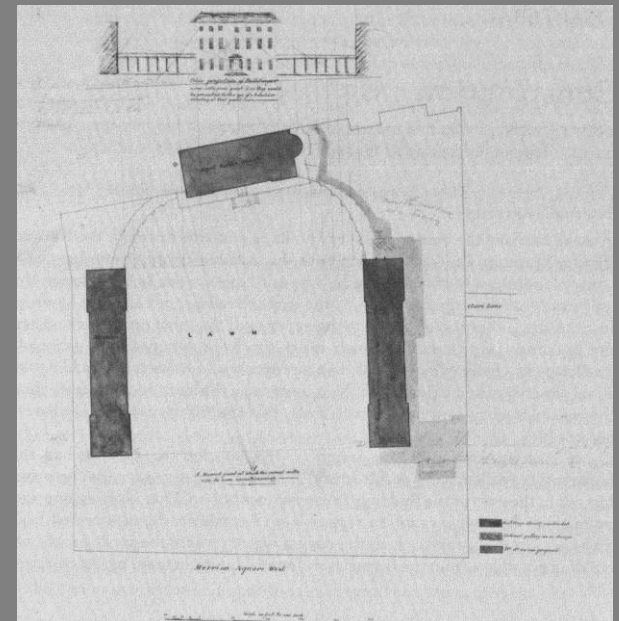
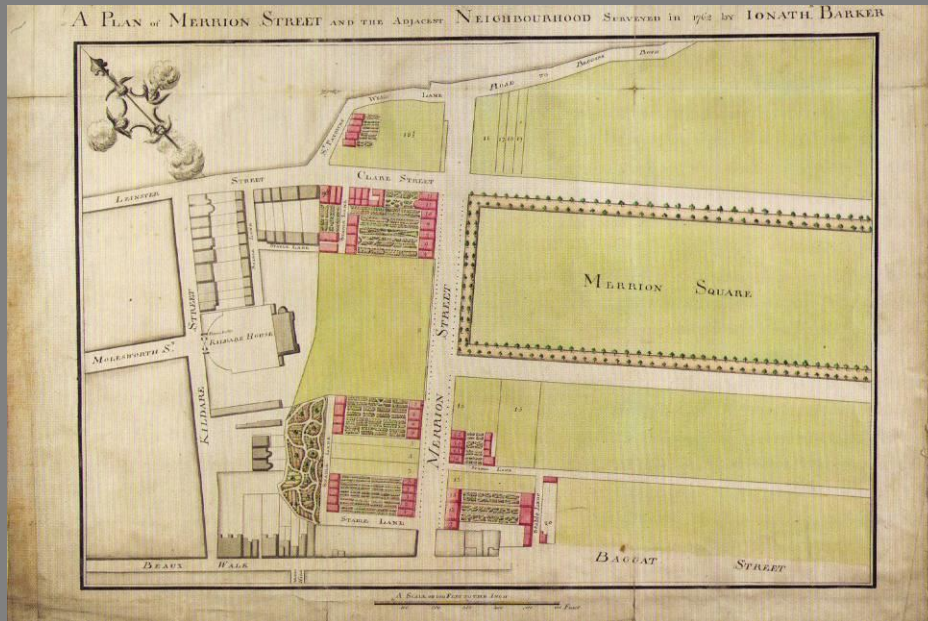
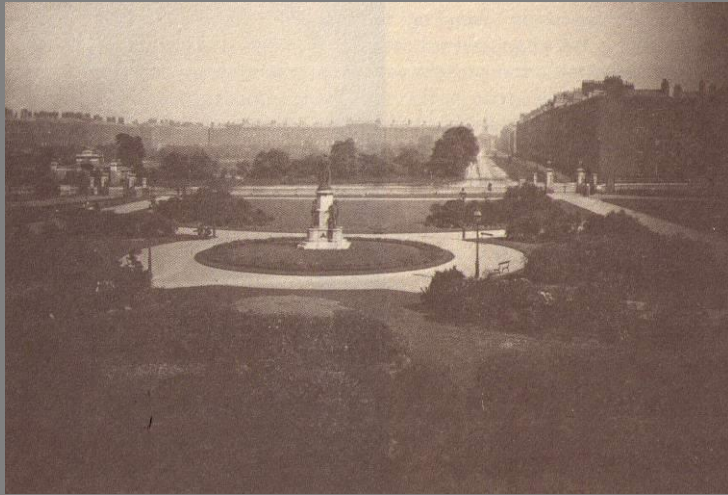
- Provide environmental conditions within all the gallery spaces to current international standards.
- Improve the accessibility, legibility and circulation routes through the entire complex.
- Masterplan for the Gallery to include future development.
- Restore and reveal the quality of the historic interiors.



Historic Urban Context and Foundation of the Gallery Rocque Map 1756



Historic Urban Context and Foundation of the Gallery A Vision for Leinster Lawn

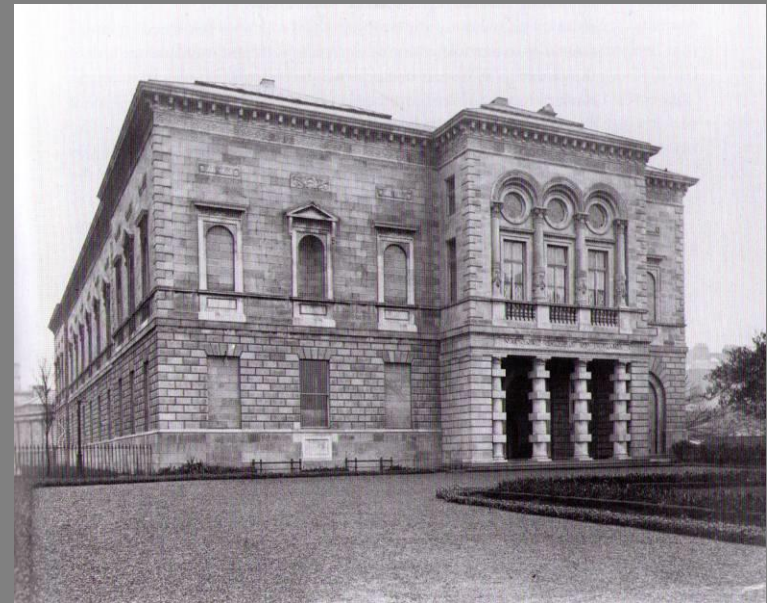
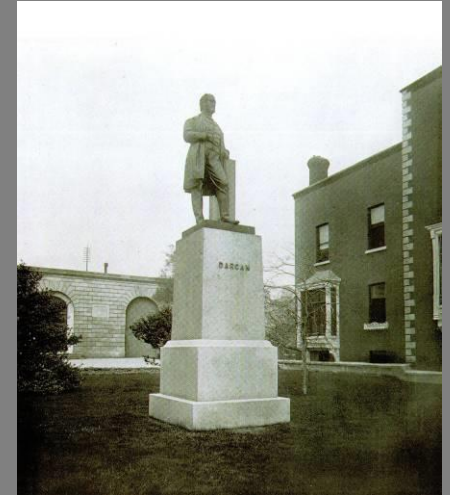
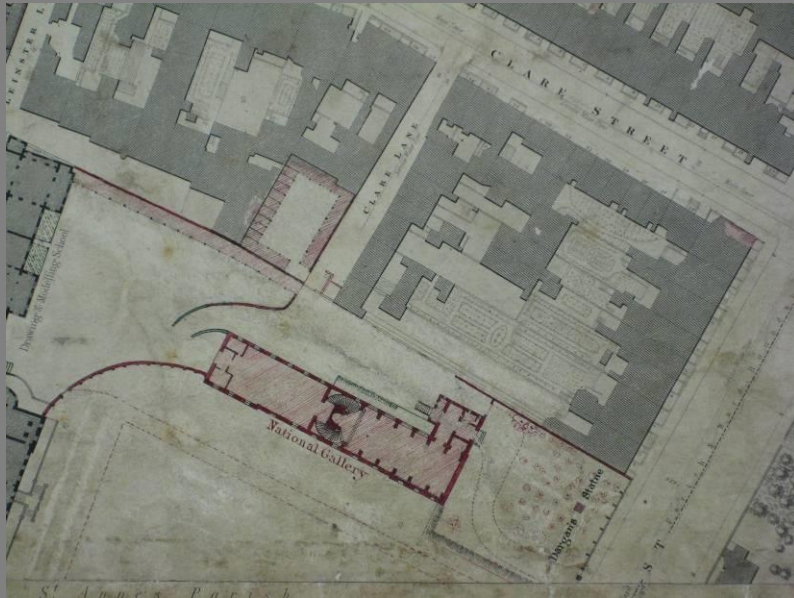


National Gallery of Ireland Current Urban Context



Historic Urban Context and Foundation of the Gallery

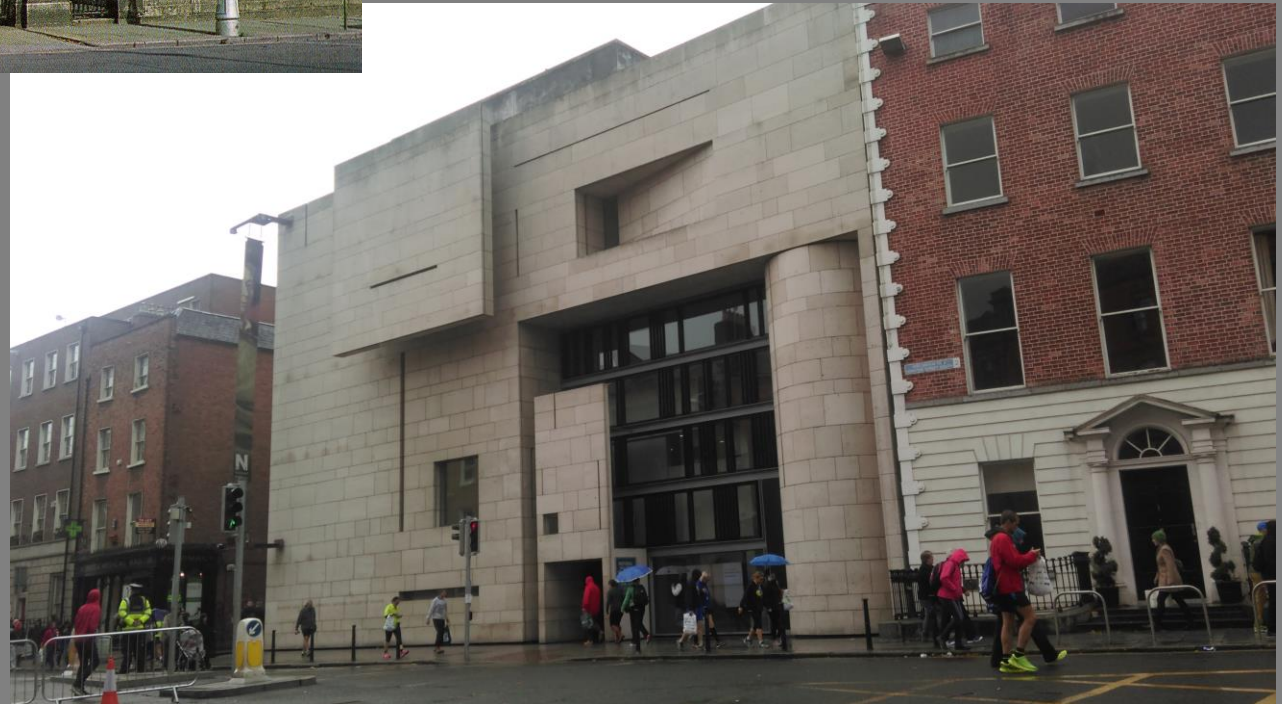
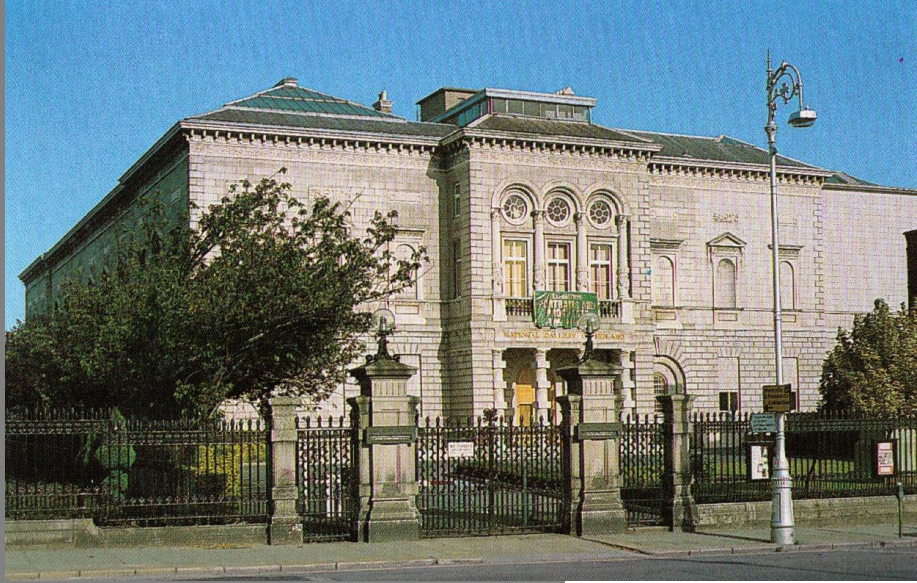
Dargan Wing 1865 Milltown Wing 1903



Principal Phases of Building 20th Century Developments



Principal Phases of Building Faces of the Building



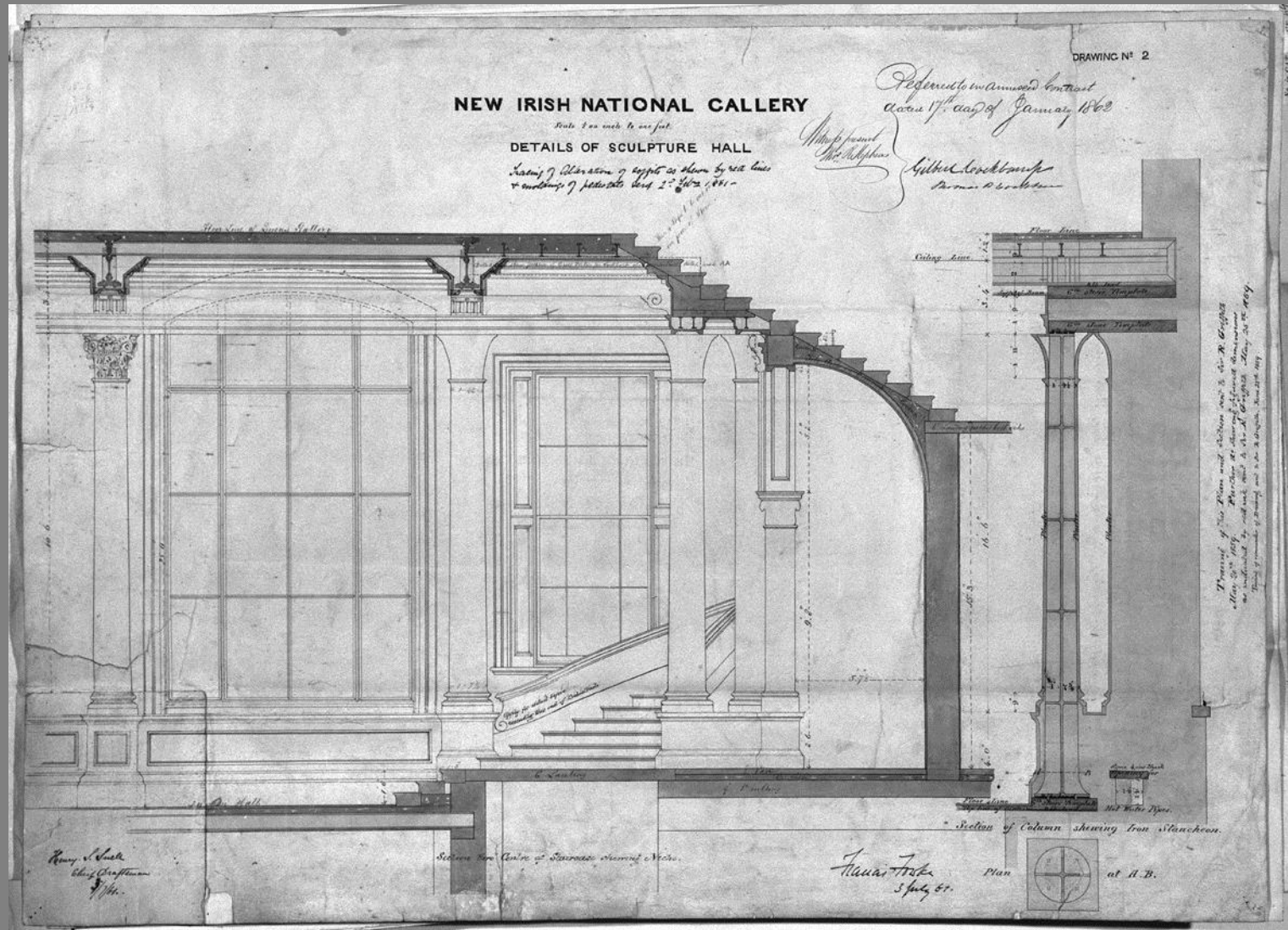
National Gallery of Ireland Gallery Interiors Dargan Wing



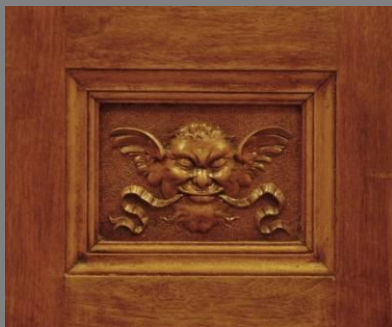
National Gallery of Ireland Gallery Interiors Milltown Wing



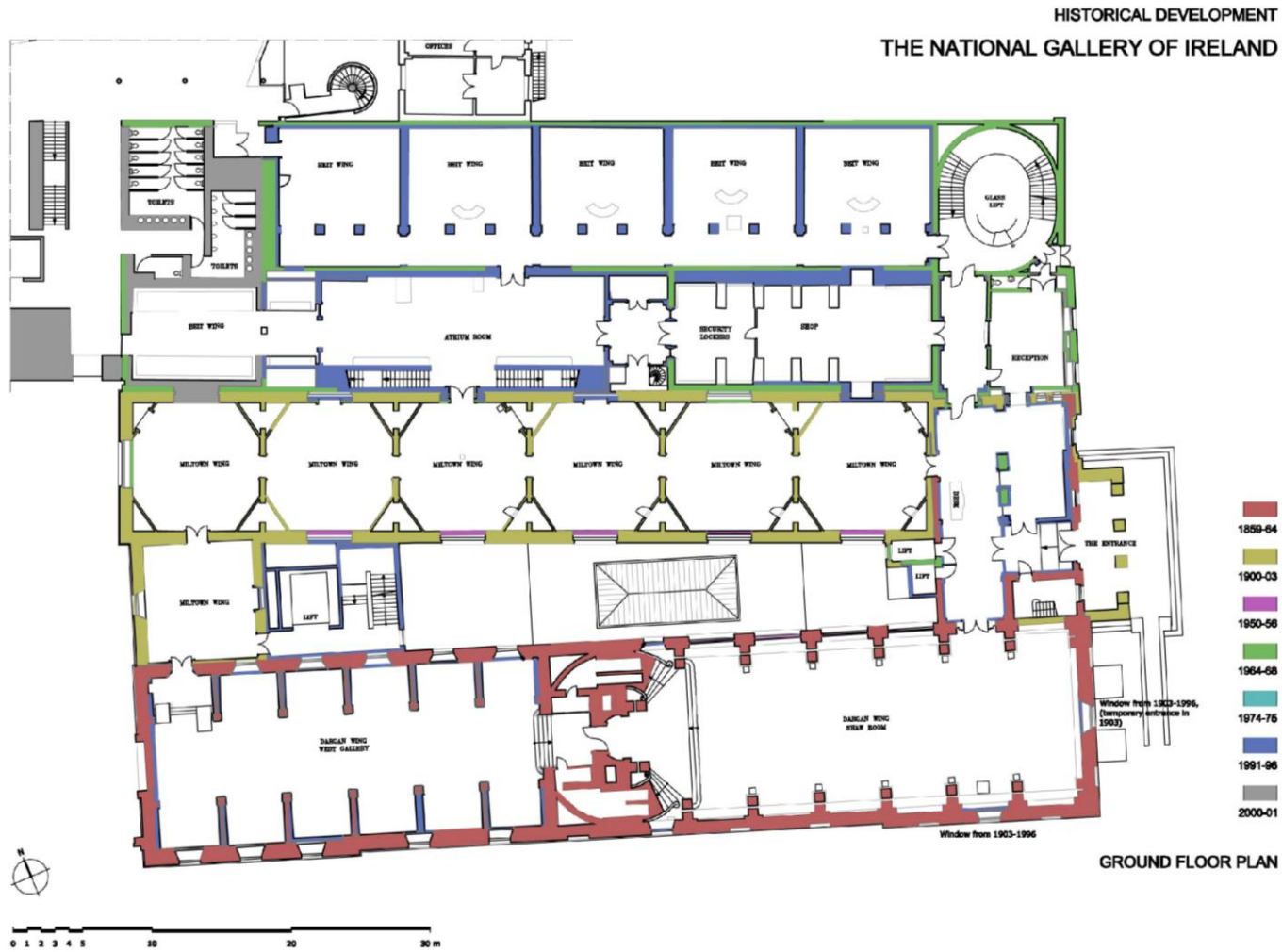
National Gallery of Ireland Features of Note Early Iron and Concrete Structures



National Gallery of Ireland Features of Note Carlo Cambi Doors



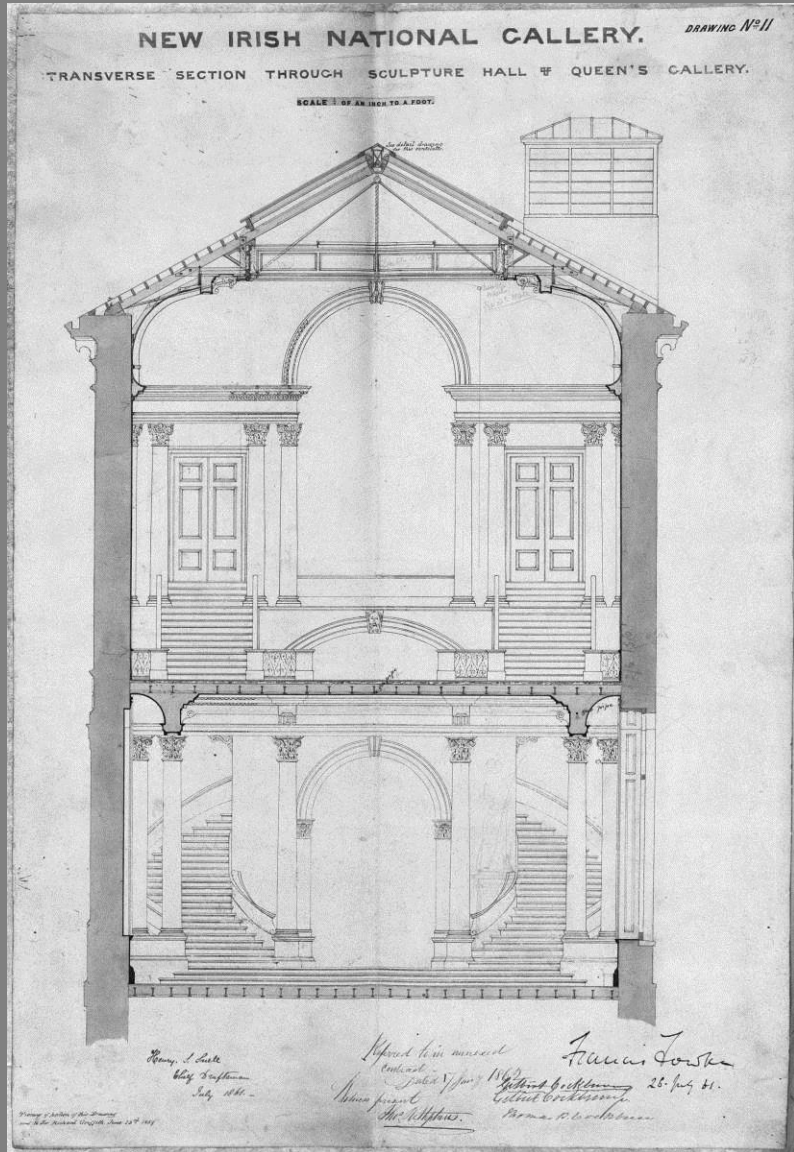
National Gallery of Ireland Challenges



National Gallery of Ireland Challenges



National Gallery of Ireland Challenges



National Gallery of Ireland Challenges



National Gallery of Ireland

Detailed Brief and Response: Visits to Other Galleries



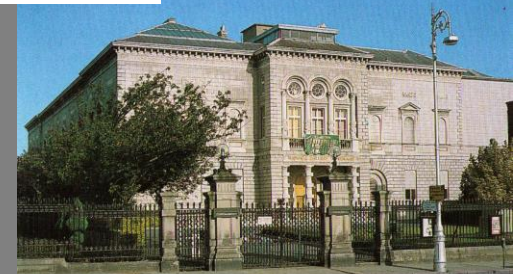
National Gallery of Ireland

Detailed Brief and Response: Strategies



Proposed Phasing:

1. Dargan Roof
2. Comprehensive rehabilitation of historic wings
3. Extension and remodelling of 20th century wings

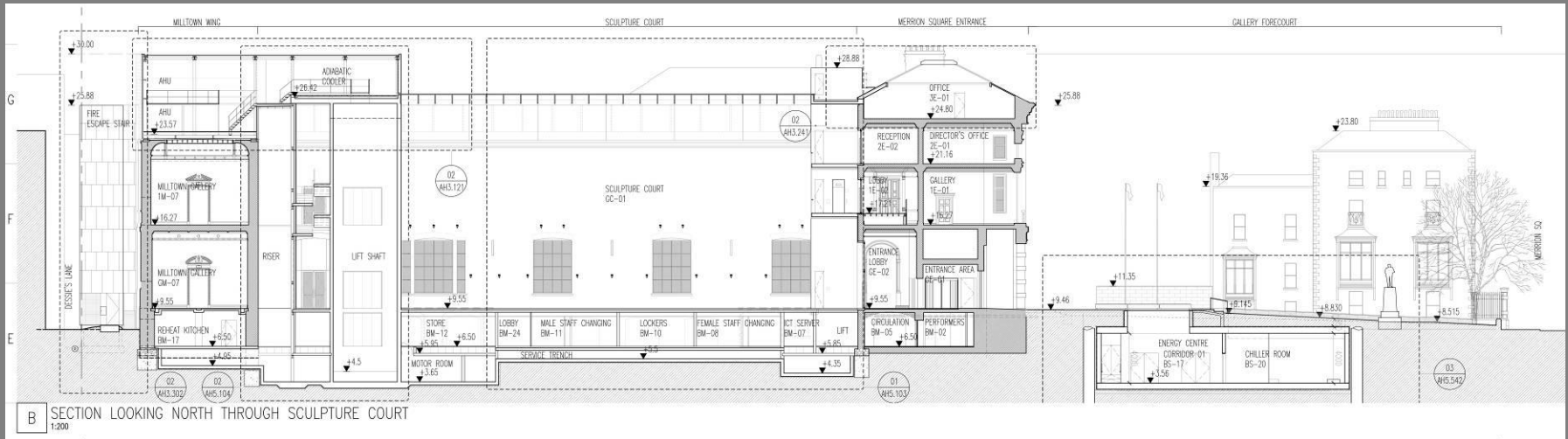
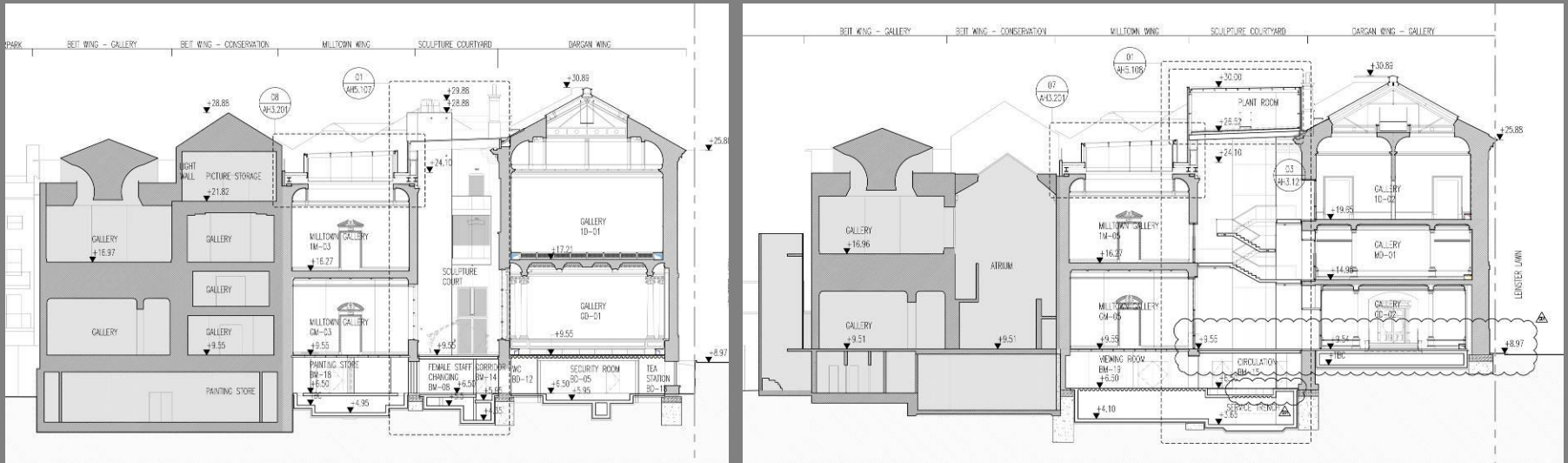


National Gallery of Ireland Detailed Brief and Response: Sculpture Court

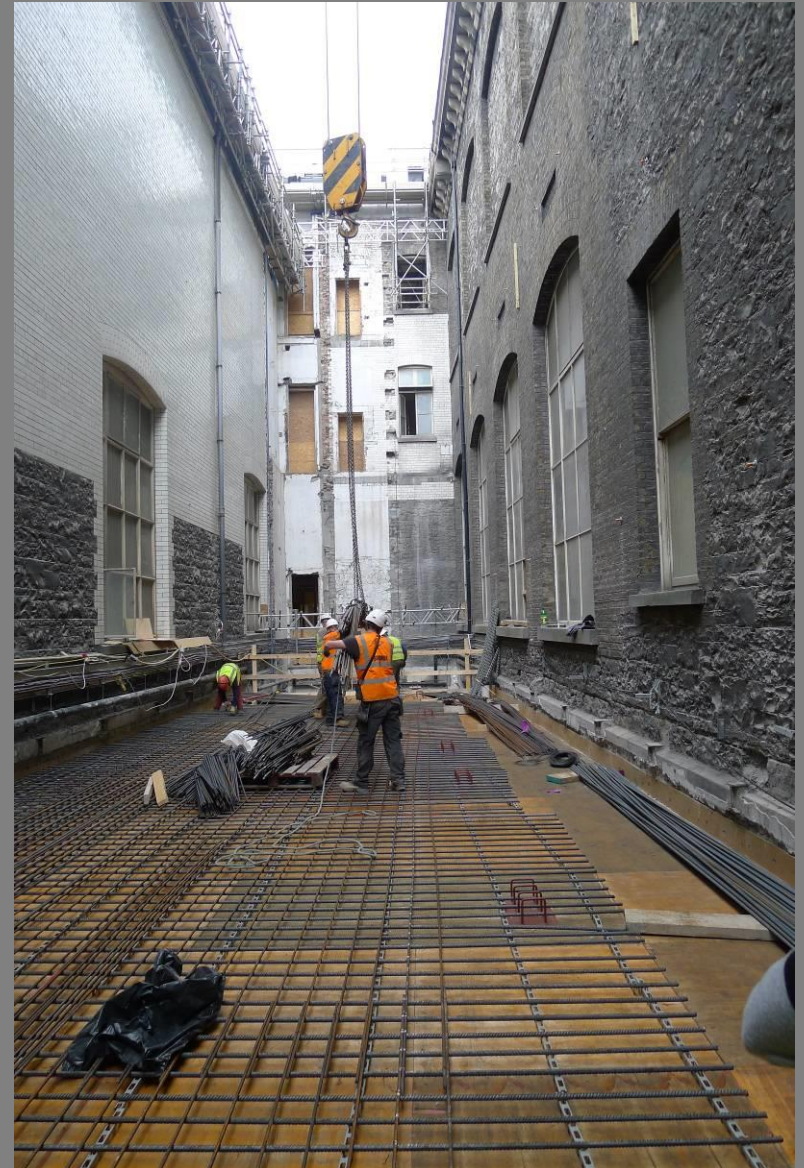


National Gallery of Ireland

Detailed Brief and Response: Sculpture Court



National Gallery of Ireland Detailed Brief and Response: Sculpture Court



National Gallery of Ireland

Detailed Brief and Response: Reintroduction of Natural Light to the Galleries



National Gallery of Ireland

Detailed Brief and Response: Reintroduction of Natural Light to the Galleries



National Gallery of Ireland

Detailed Brief and Response: Environmental Control: Energy Centre



National Gallery of Ireland Environmental Control: Energy Centre

C.2.8 Landscape Step / Ventilation Bench

The proposed step in the landscape between paving and grass area of the garden will facilitate ventilation of the energy centre below. This element would also provide informal seating for the National Gallery of Ireland visitors. The top of the bench will be finished with stone and vertical surface with decorative cast iron grill providing similar detail like the decorative, perimeter benches inside the Gallery.

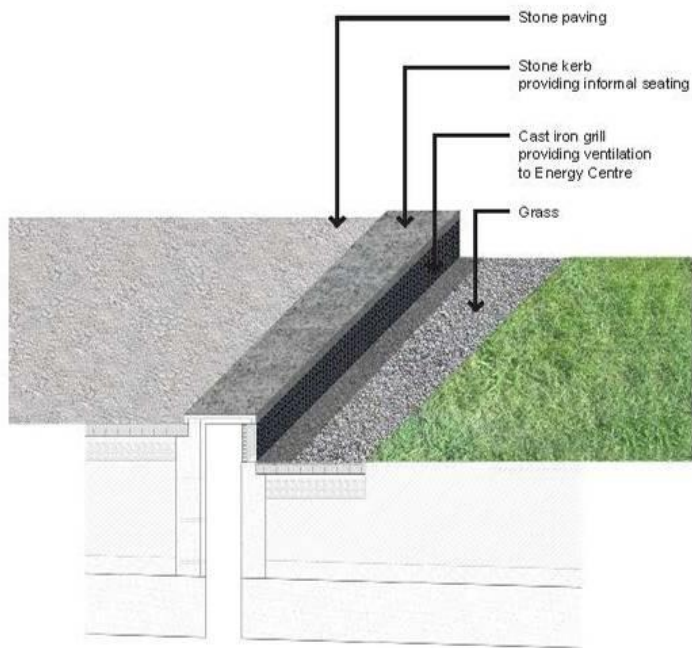


Fig C.1h: Kerb / Bench detail



Fig C.1i: Landscape step / kerb in the context

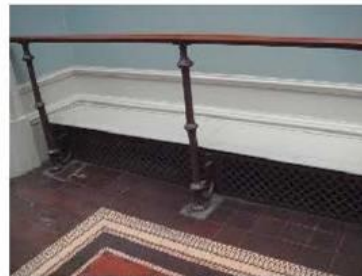
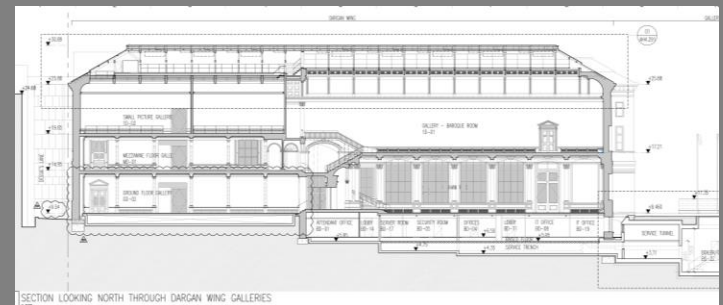
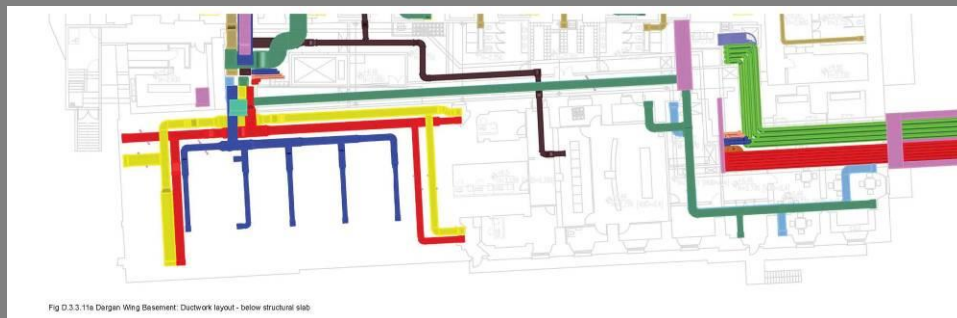
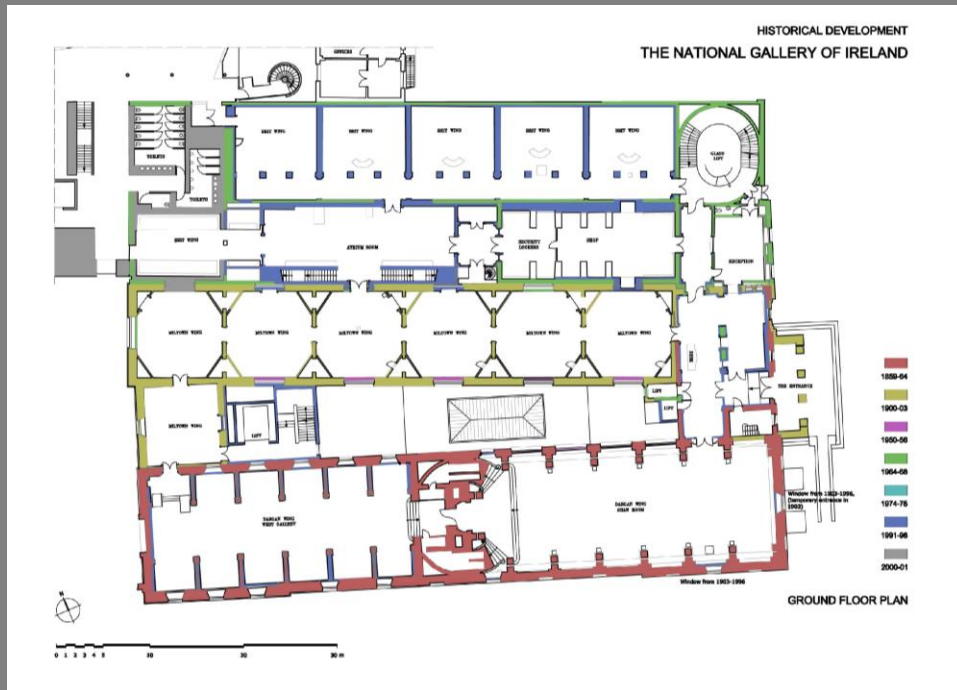


Fig C.1j: NGI existing internal benches with cast iron grills

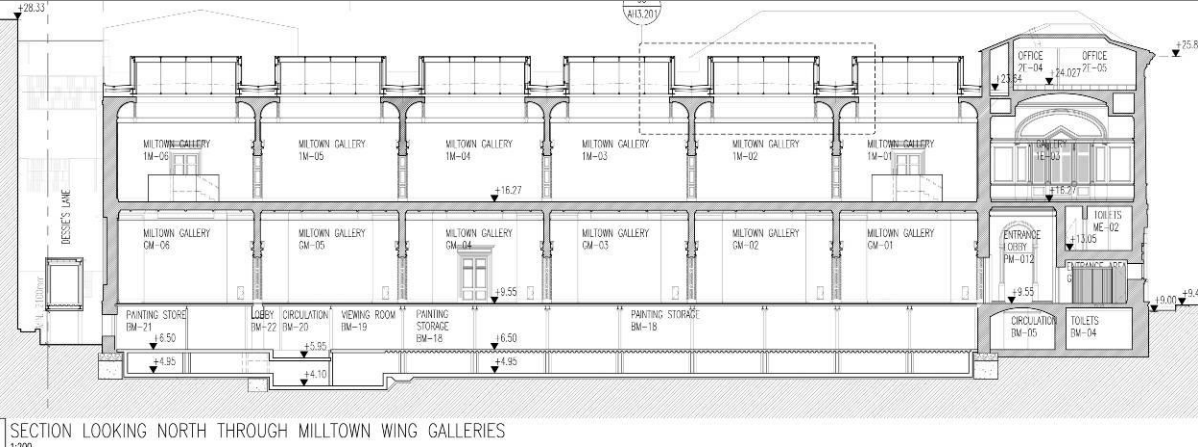


National Gallery of Ireland

Environmental Control: Concealed routes through the Galleries

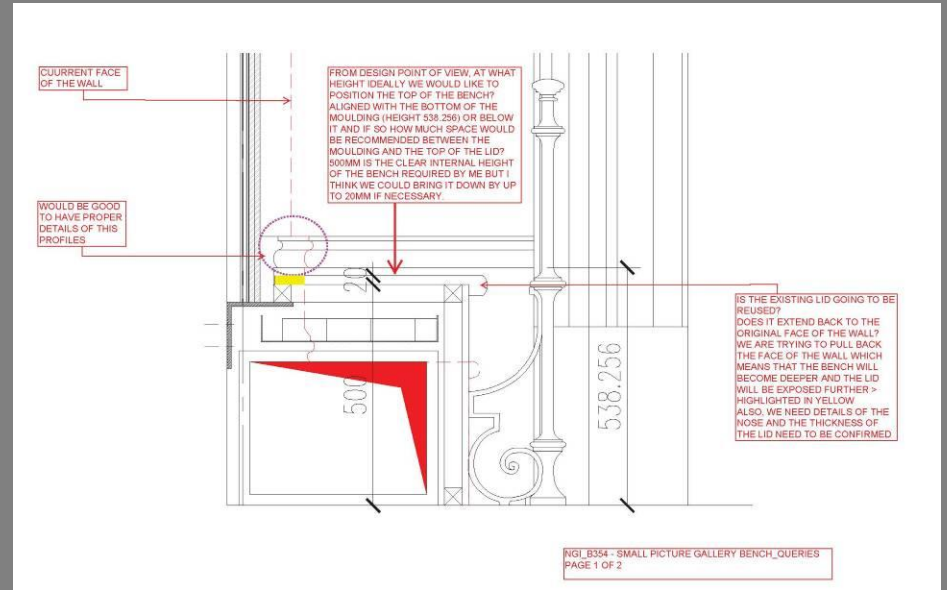
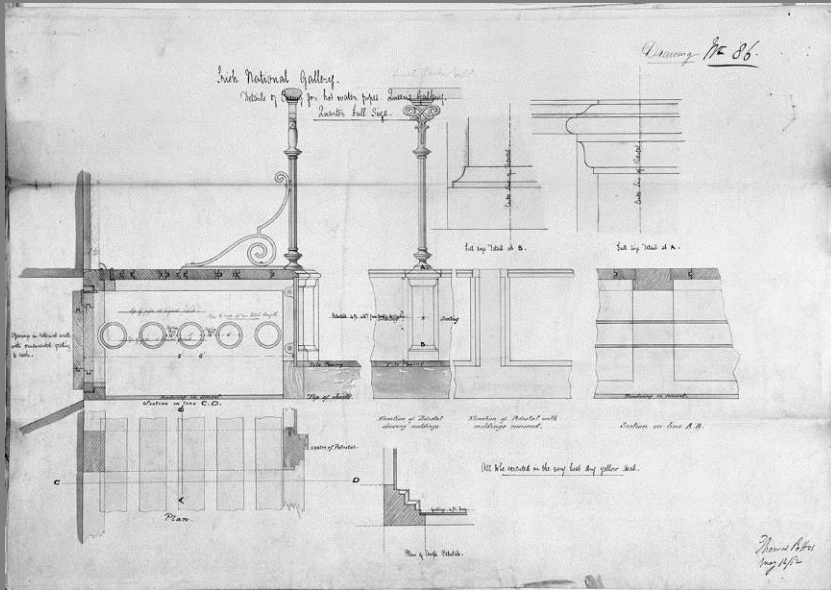
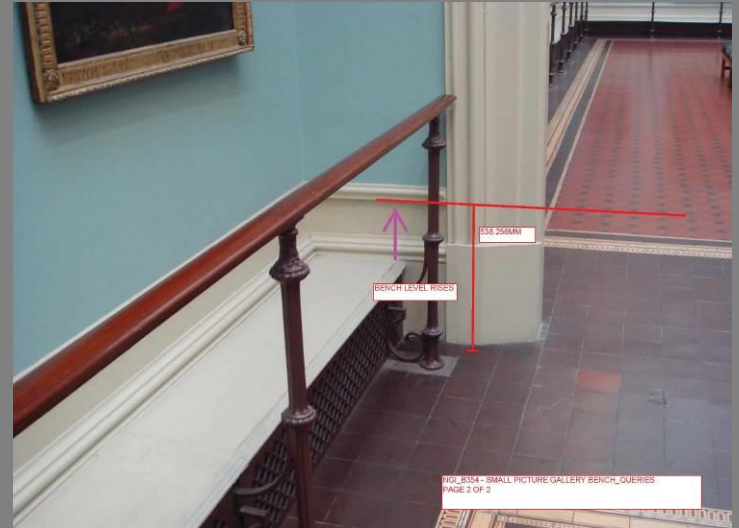


National Gallery of Ireland Environmental Control: Sub-Basement Duct Routes

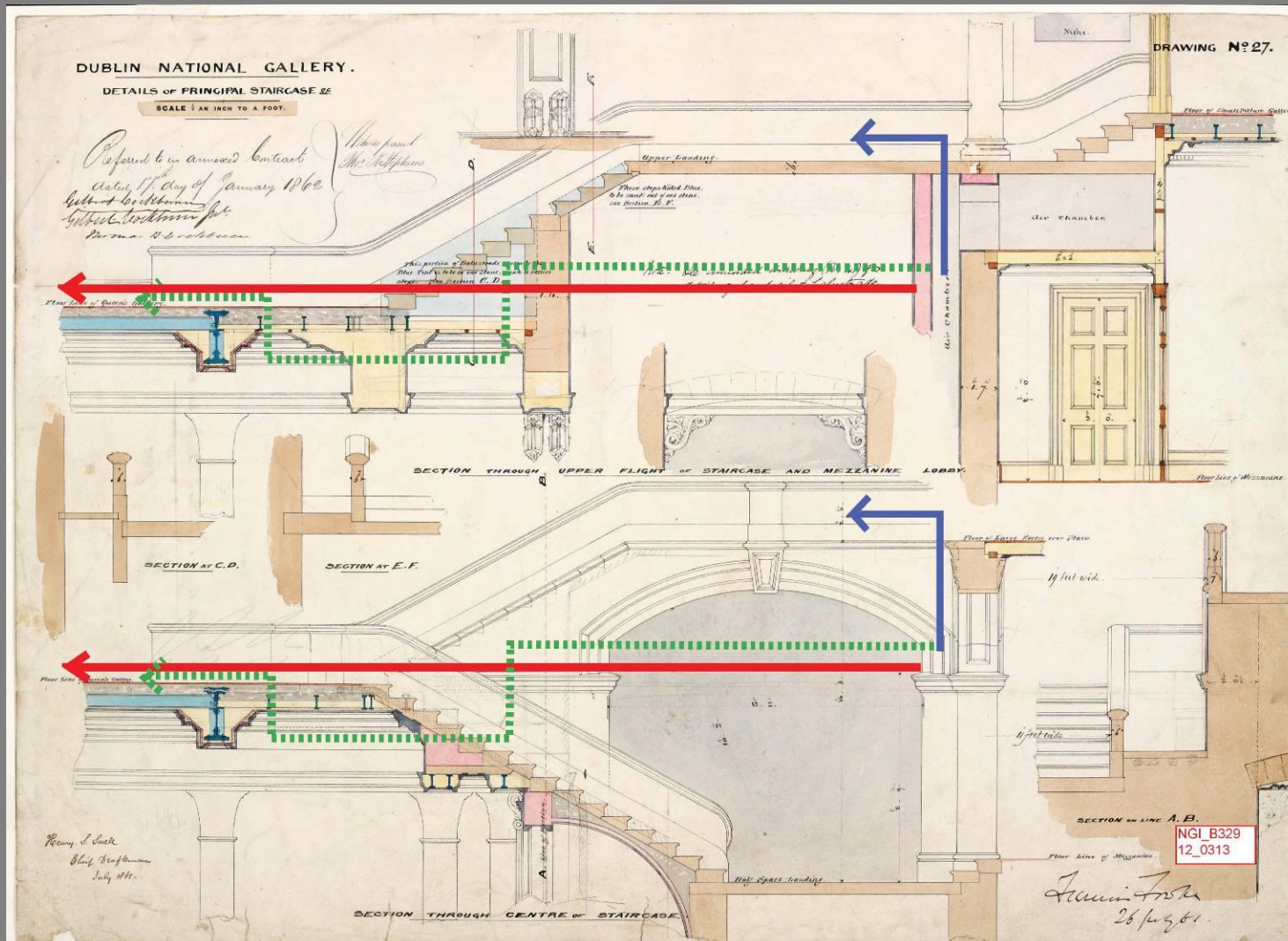


National Gallery of Ireland

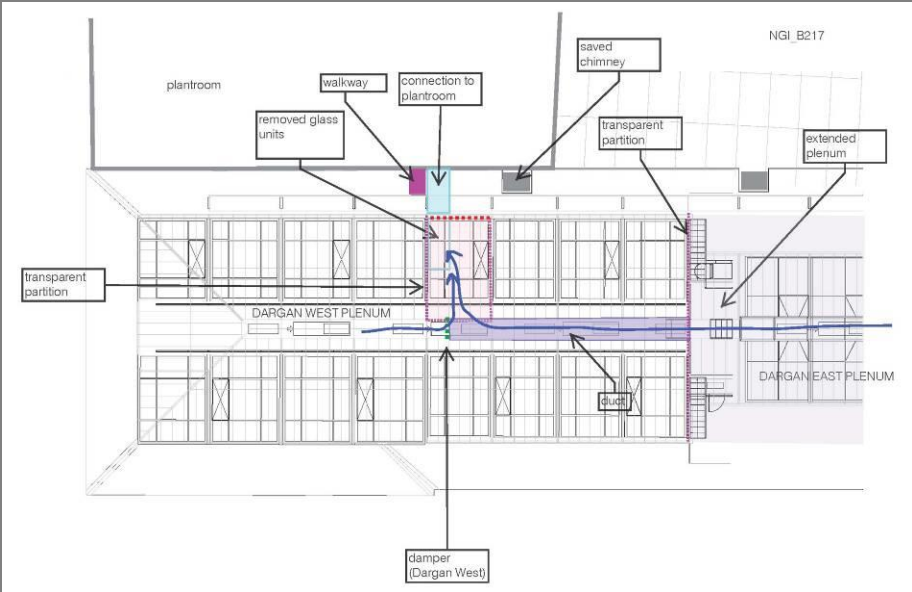
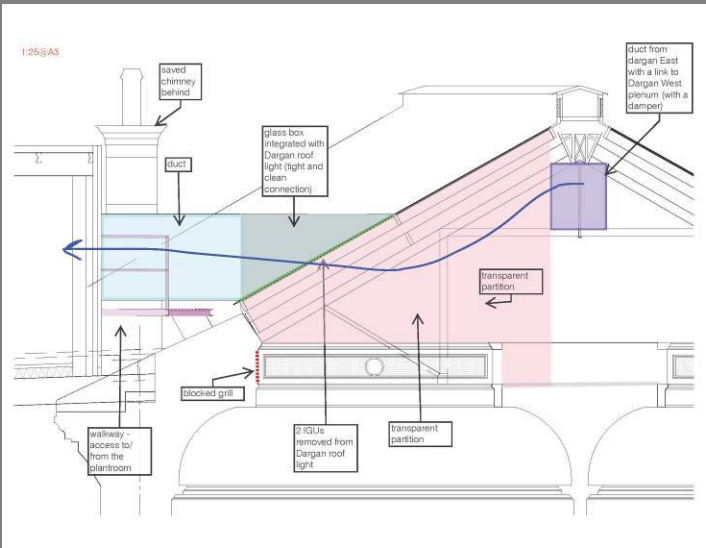
Environmental Control: Concealed routes through the Galleries: Benches



National Gallery of Ireland Environmental Control: Concealed routes through the Galleries



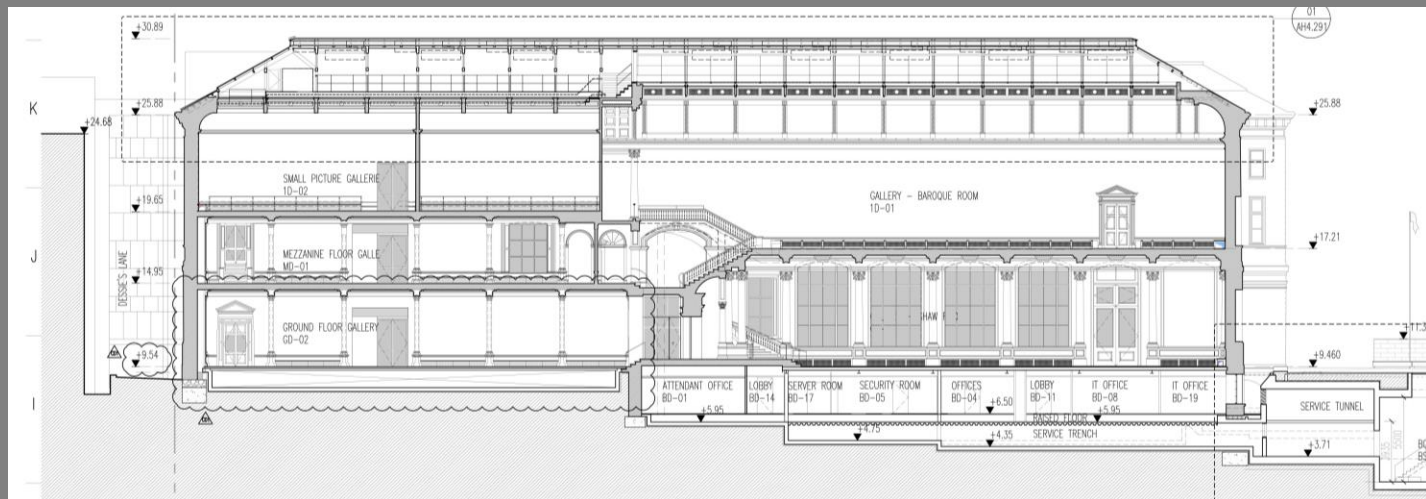
National Gallery of Ireland Environmental Control: Roof Top AHUs and Ducts



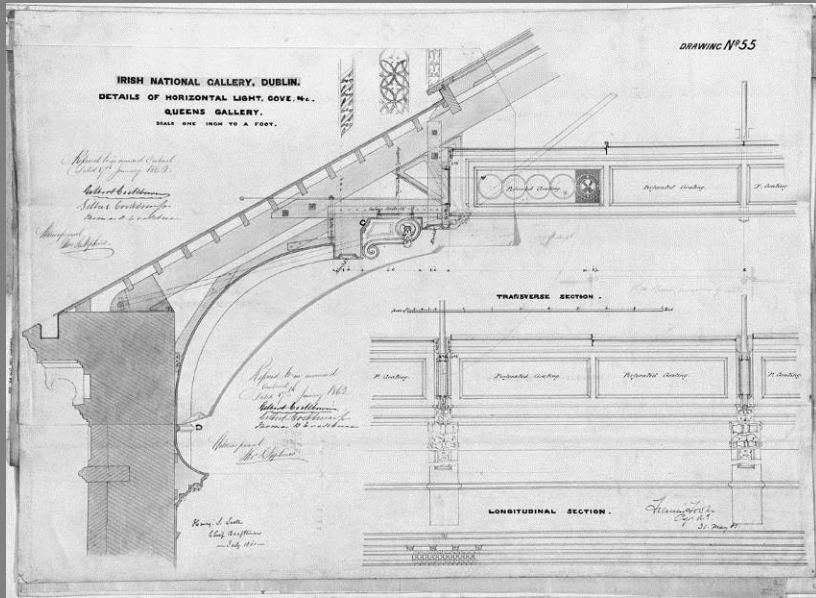
National Gallery of Ireland Environmental Control: Losses and Gains



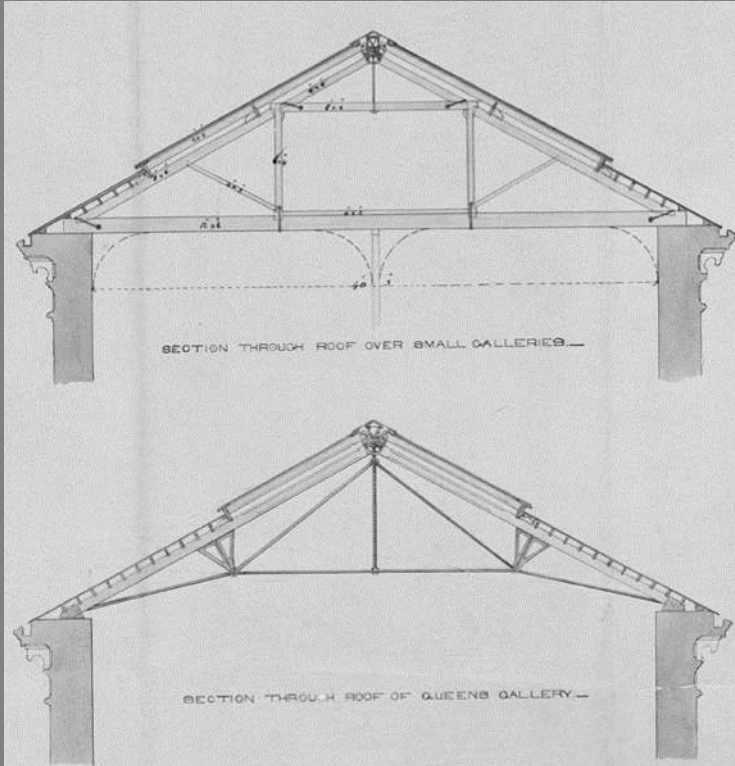
National Gallery of Ireland Works to Roofs



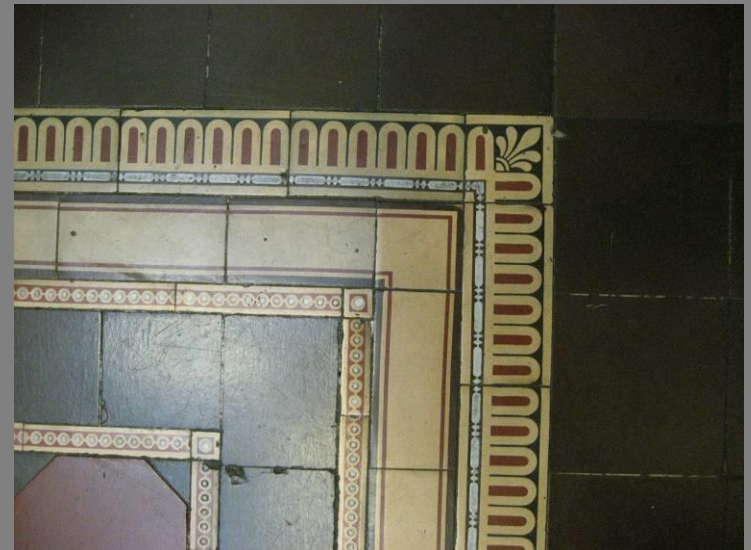
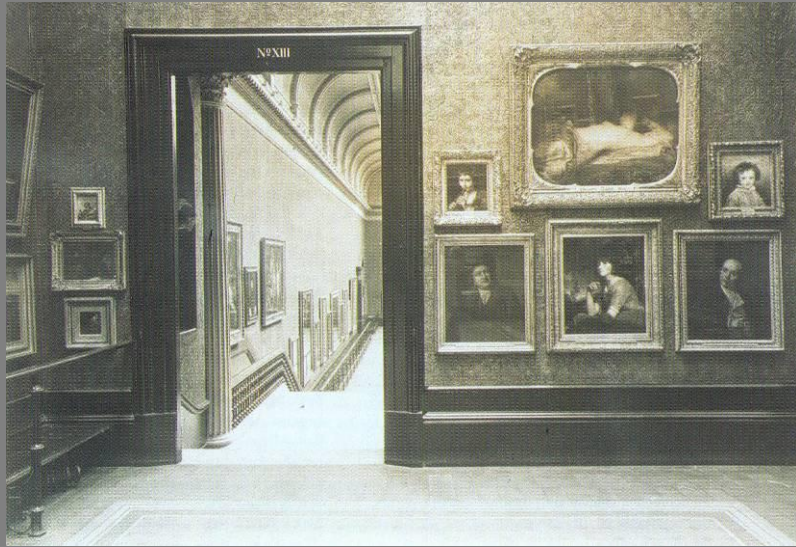
National Gallery of Ireland Works to Roofs



National Gallery of Ireland Works to Roofs



National Gallery of Ireland Historic Interiors: Retaining the Patina of Age



National Gallery of Ireland

Conclusions: Gains and Losses: weighing the balance



National Gallery of Ireland

Conclusions: The Importance of Team Work and Flexibility of Response throughout the Process



National Gallery of Ireland

Conclusions: Respect the Hidden Construction as well as the Public Galleries
An afterword about Paint



National Gallery of Ireland

The Design Team

Heneghan Peng Leader

- Building Design Partnership
- Punch Consulting Engineers
- FLN Consulting Engineers
- Davis Langdon, AECOM
- OLM Consultancy

Blackwood Associates

Kevin Blackwood
Alice Bentley

Architects Design Team

Mechanical & Electrical Engineers
Structural & Civil Engineers
Fire Consultants
Quantity Surveyors
Health & Safety

Conservation Architects

Director
Project Architect

Thank you

