



Parnell Market Place

This project highlights the opportunities that old unloved buildings in our cities and towns can offer so much to community and small industry. A protected front facade, industrial historical building, with approx 2,200 sq m has been re-imagined and designed as a multi-purpose space for community, tourism and inclusion. Parnell Market Place is situated in Cork city with views of the meandering River Lee. It's advantageous location places it next door to the city's bus terminal, adjacent to multi-storey car parking, a short walk to Corks Kent Train Station, including many access streets to the city's main shopping areas.

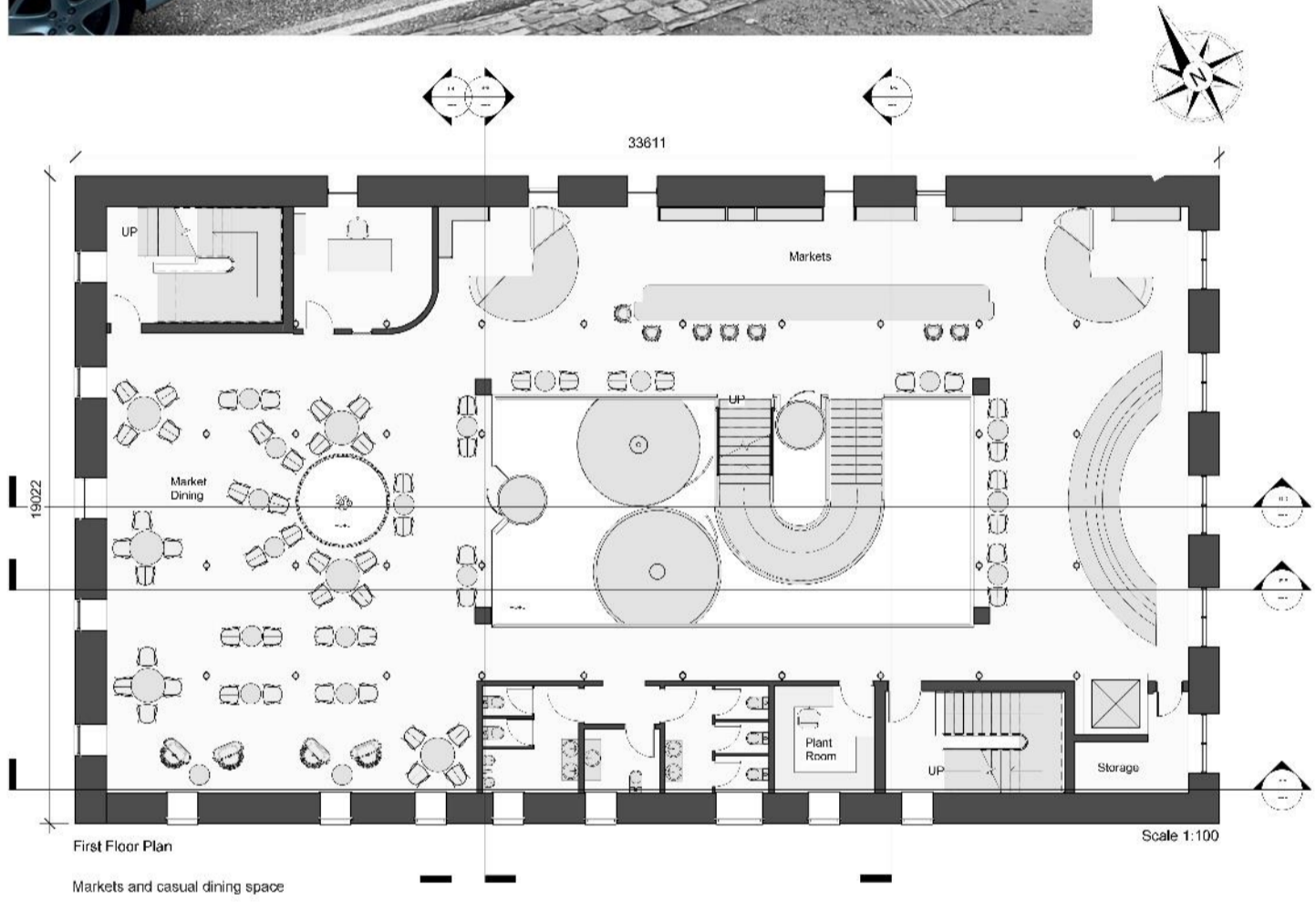
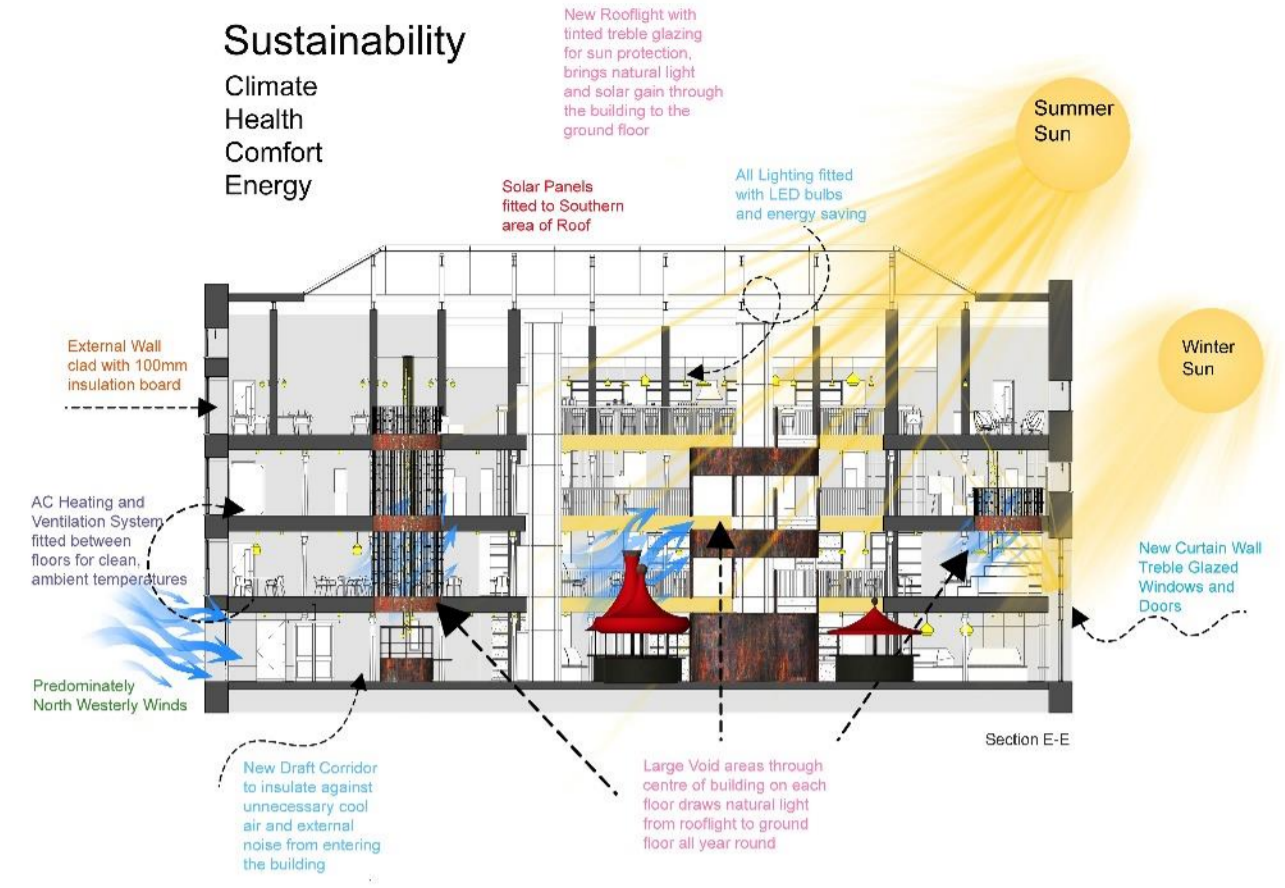
The re-design includes site analysis, looking at orientation and influential surroundings to enable an exciting yet practical revival within the area. My idea to bring the building back to life nurtures both visitor, building and city. Sustainability encouraged the opening of interior spaces to bring natural light and solar gain with an opportunity for the buildings rebirth and contribution to a sustainable future.

The re-design has ideas of playful market stalls on the ground and first floors. It is a meeting place, where transient visitors or regular commuters to the city may stop off to shop, eat or chat with friends, family or clients. While the second floor suggests gallery spaces, with work shops or office space, it may also function as a small performance or entertainment venue by folding glazed modular divisions for more open space. The third floor was created with a double height space and new rooflight. A vast open kitchen greets the visitor on arrival with dining spaces allowing a birds-eye view through the atrium to the floor spaces below.

Jude Hogan O'Sullivan

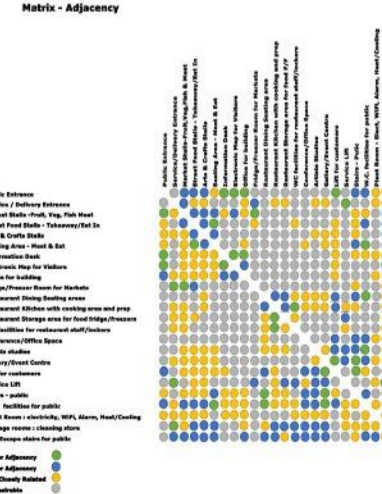
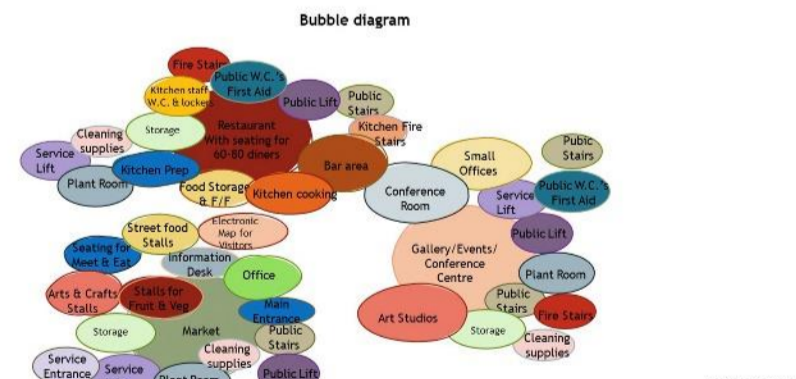
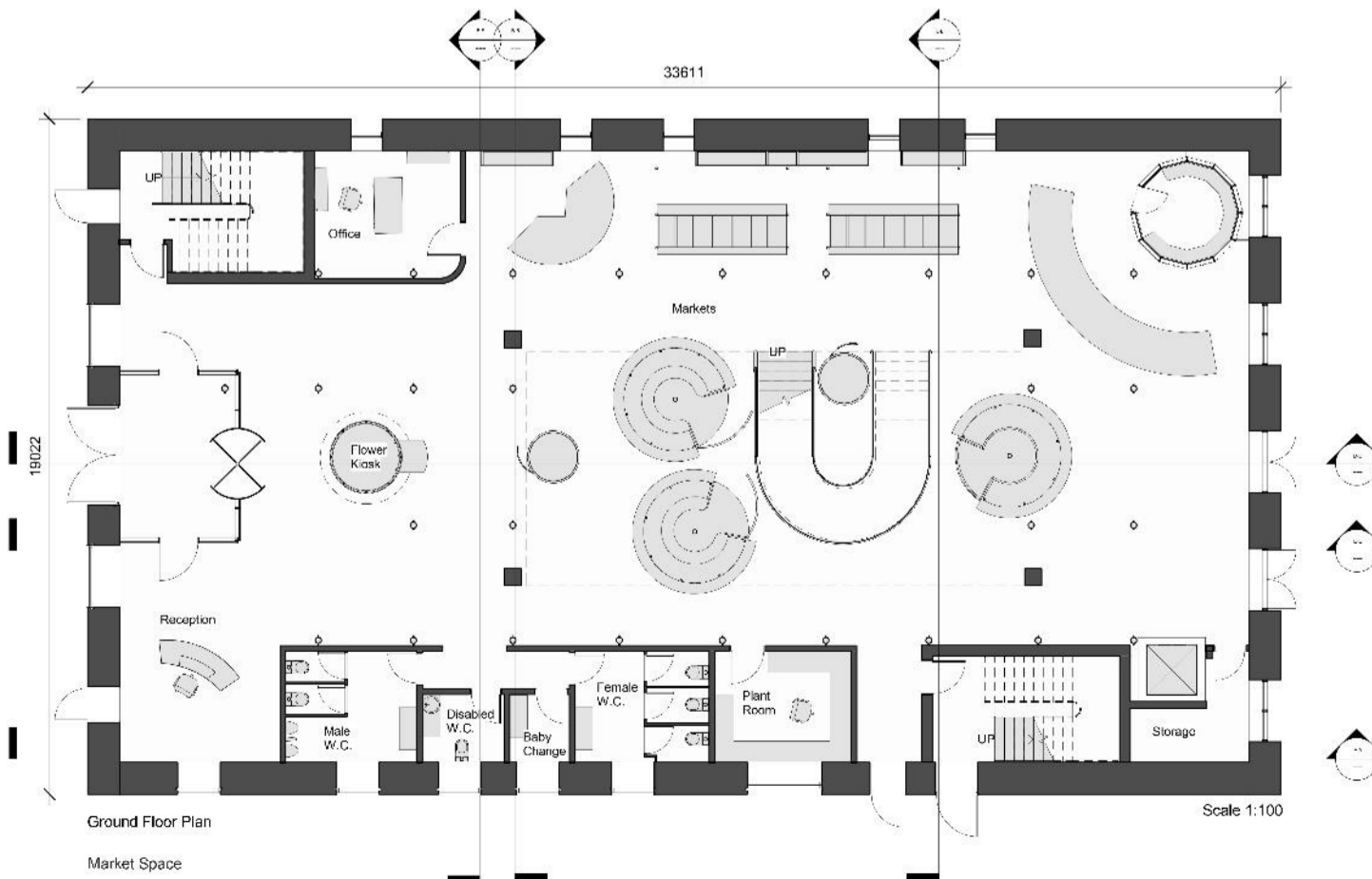
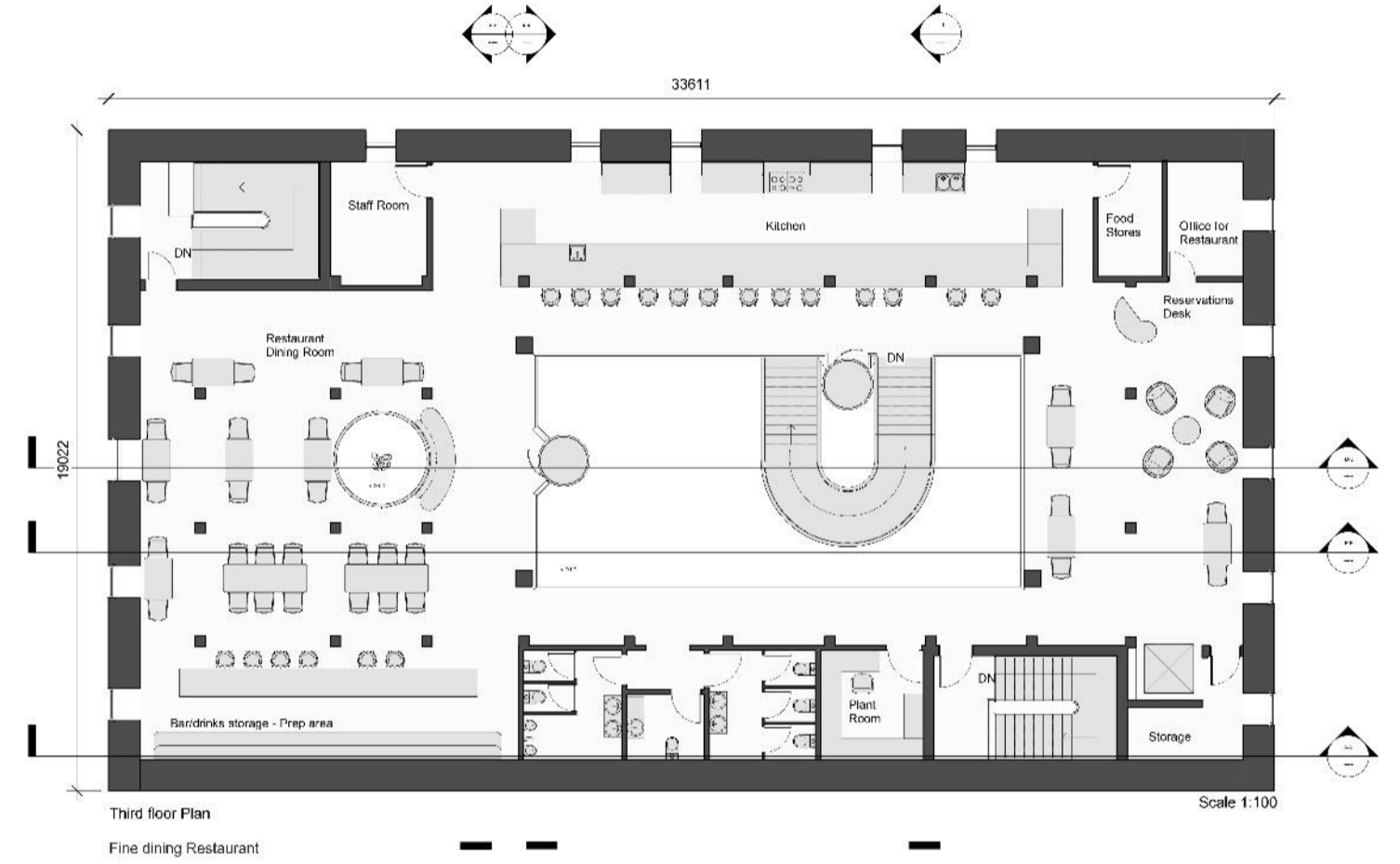
Sustainability

Climate
Health
Comfort
Energy

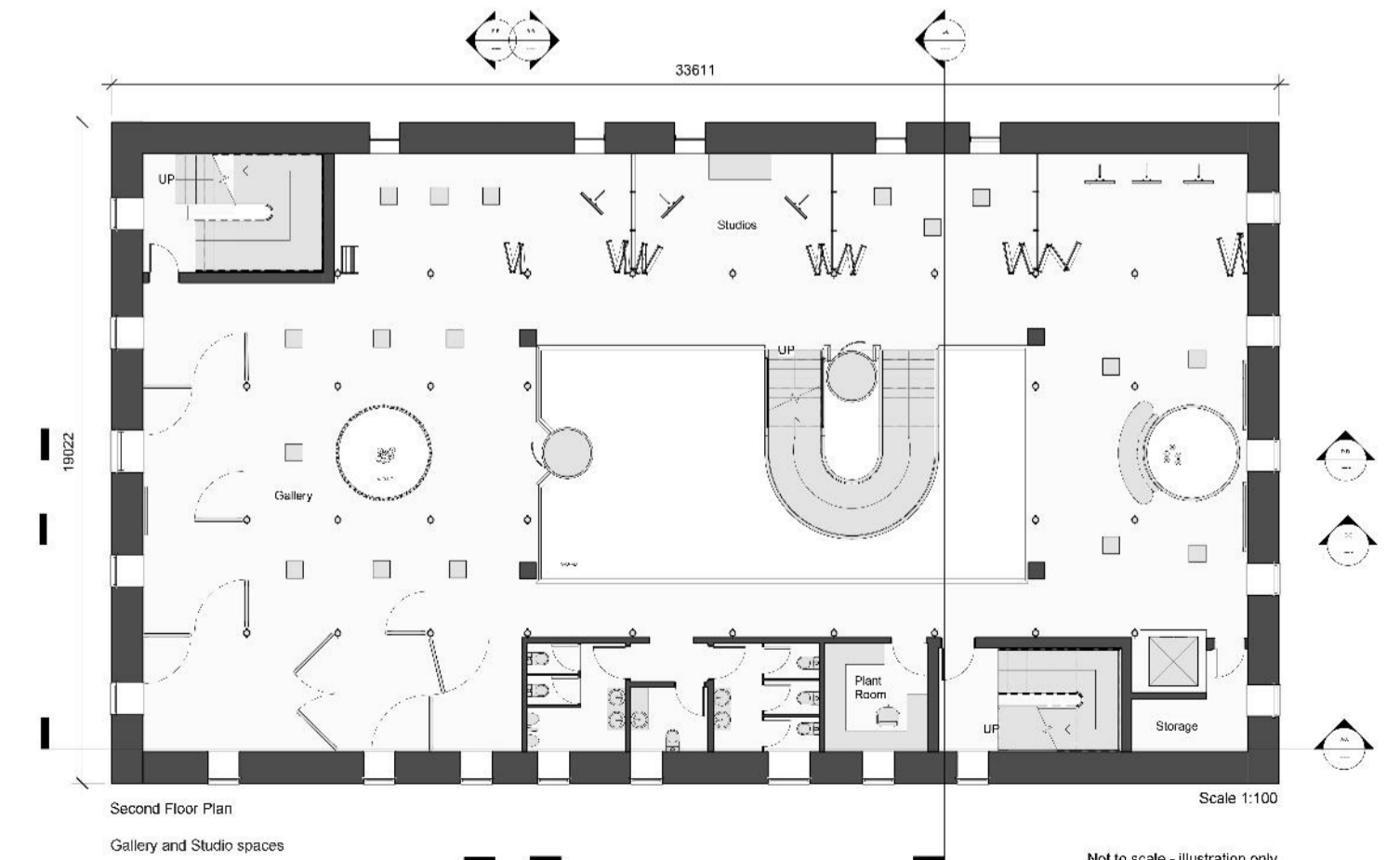


Collage

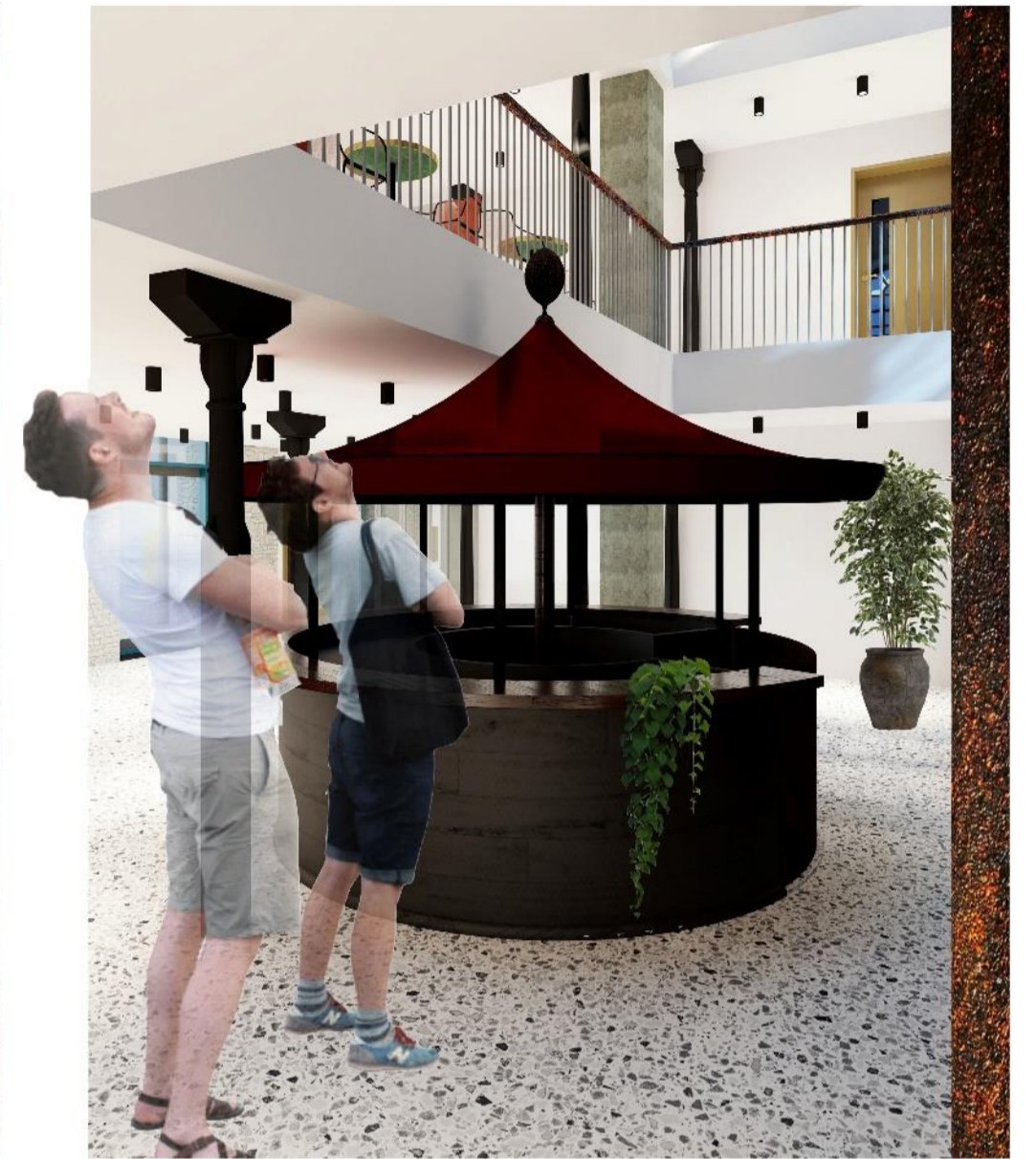
The collage is symbolic of the building re-design. It showcases original features of the building with the cast-iron columns. The Corten staircase is a reflection of the strength of the buildings origins in the industrial era which is softened by the playfulness of the canopies of the market stalls. Bubble rails on the circular voids represent the seaweed found on the river bank. Seaweed colours and varieties play a role in design, where shape and colour interconnects with the major interior decisions.



Mapping out clear intertions through Bubble diagrams and Matrix adjacencies can highlight issues within a design, but also keeps design intertions of a project on track.



Ground Floor Markets



Statement of Intent

My vision for this building is to redevelop for a mixed-use space.

- I envisage food markets mixed with arts and craft stalls.
- A restaurant with an in-house kitchen.
- An Art Gallery which could also be used for Events or Conference Space.
- Smaller areas in the building provide space for offices or artists' studios and a conference room.

The core of this building is its **Industrial heritage**. By retaining much of the original materials from the structure such as **red sandstone, white limestone, arched windows, and doors with red brick arched detail, and cast-iron columns**, this helps maintain the buildings integrity and character internally. Additionally, a selection of modern industrial materials will be used where new interior architecture spaces develop, with fabrics and colour added to soften and complement the building in areas such as the dining room of the restaurant. A large glazed rooflight is to be positioned over the voids to filter light through each storey to the ground floor.

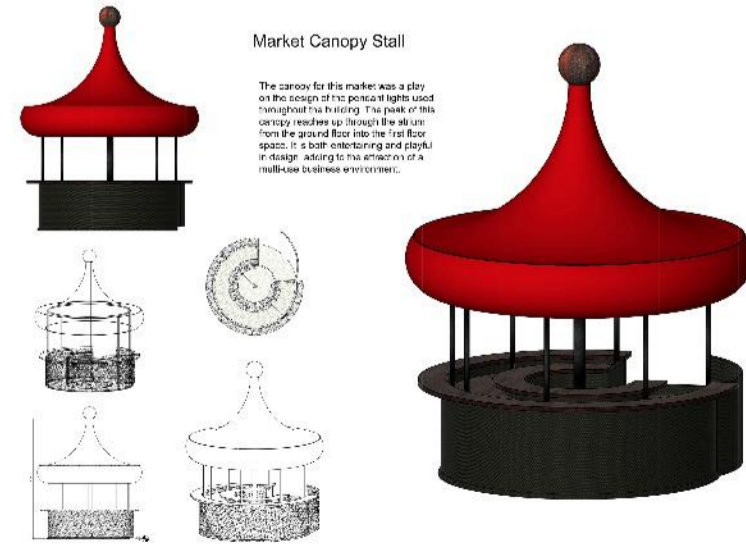
The central atrium in the building having a large open space gave freedom to design these tall playful canopies. Peeking well into the first floor where diners can sit and view each varied design. Comments range from thoughts of Russian hats to Chinese roofs! Of course they serve a purpose too, where fresh produce for sale at the markets are protected from strong sunlight gained from the rooflight. They also act as a barrier on colder days during the winter months. Each market stall has lockable storage underneath the display area, and has it's own cushioned floor for those long hours standing at the market with a lockable door.

Canopied Markets



Large Canopy Market

This is the tallest canopy market reaching well into the first floor of the atrium. Each has lockable storage underneath the canopy, and has its own floor for sale for, or, as a bar. Lighting can be switched with the canopy and across the stall area.



Market Canopy Stall

The canopy for the market was a play on the design of the personal lights used throughout the building. The peak of this canopy reaches up through the atrium from the ground floor into the first floor space. It is both a shelter and a point of design. Acting as an entrance or a well-lit business entrance.

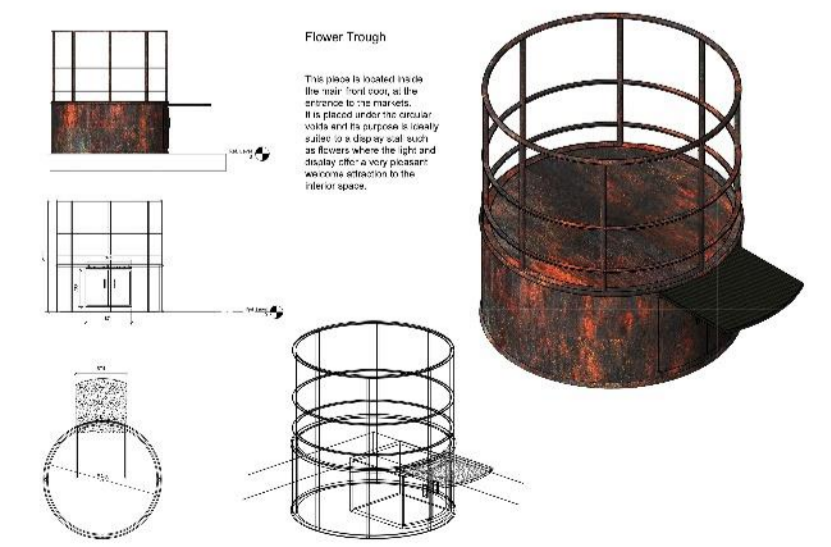


Small Circular Canopy Market Stall

This is one of the Canopy Market designs for the ground floor under the atrium and which is also used as the main entrance. There is an entrance door at the rear of the stall with open lighting to display goods. Lockable storage is provided underneath.

Flower Trough

The flower trough, obviously borrowed from the cattle trough in the fields has been made with Corten to match the staircase which carries the theme through the building. The flower trough has been fitted with a sliding counter and lockable doors under the main body of the trough. It has been designed to fit under the circular voids and roof to ground pendant lights.



Flower Trough

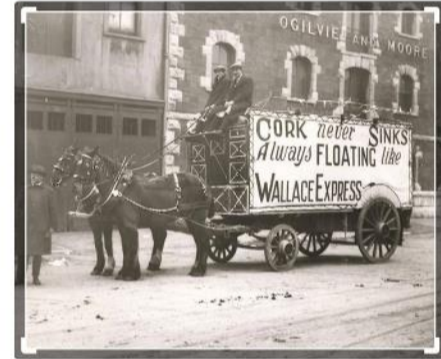
This piece is located inside the atrium, and acts as the entrance to the markets. The ground under the canopy stalls and the atrium is easily visible in a clear and bright space where the light and shadow are a very pleasant source of attraction to the atrium space.



First floor 3D images drawn, modelled and rendered in Revit. They show the vast central atrium, where natural light and solar gain is derived from the new Rooflight. Most building services are contained on the one elevation of each floor. The front, rear and north elevation is maintained on each floor for shopping, dining and entertainment.



Time capsule - A view of the building in its prime and an Invoice from 1944

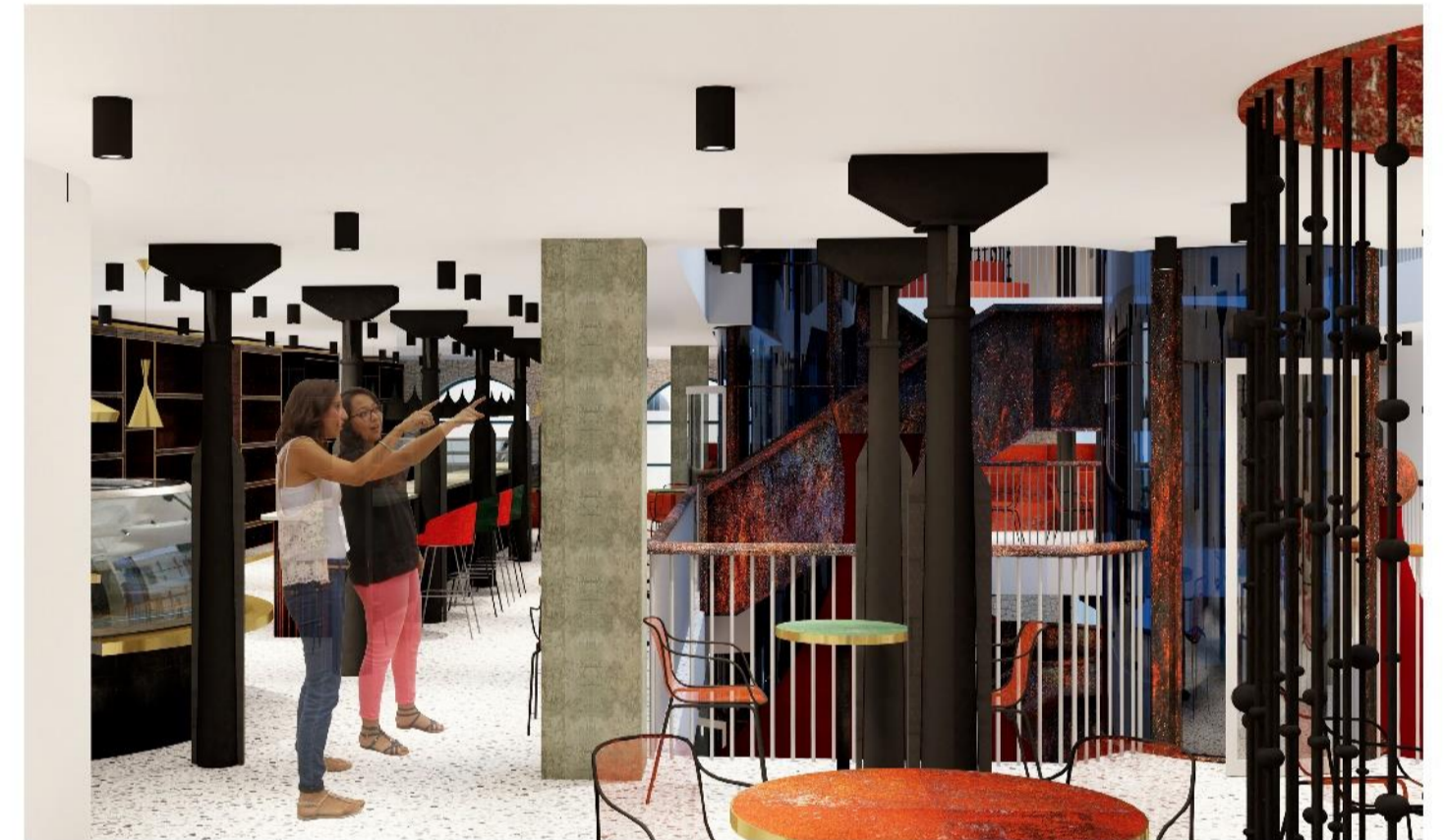


From the National Inventory of Architectural Heritage

The process of site analysis and the environment of an existing building will often influence the possibilities of its re-purposing. I have found the journey of discovery an interesting and thought provoking process which I would hope to explore further in the future through my career and projects I may participate in.

First Floor Images

The integration of markets and casual dining space within the layout is used to add a relaxing, but interesting vibe to the first floor area. The canopy tops peak into this space adding an extra dimension of playfulness.



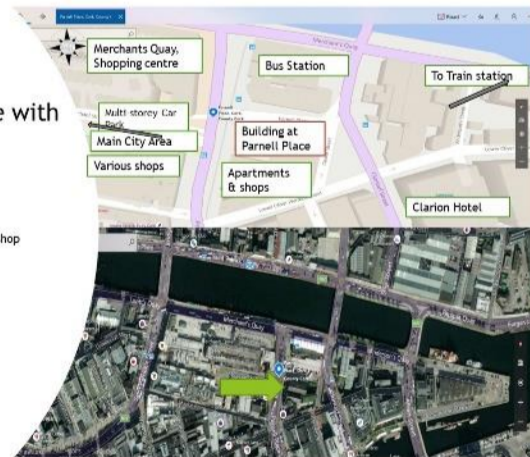
Building details to Front Façade - North/West

- Built 1850-1860
- Original Purpose - Warehouse
- Built circa 1855
- Industrial Style
- Front Façade a Protected Structure
- Four Storey Building
- Arched windows and doors to front (west) facade, lane access (south) and rear (east) of building.
- Cast iron gates to side of building
- Pitched slate roof with flat top and limestone parapet
- Polychrome effect by using old red sandstone and limestone
- Red Sandstone from quarry at Lower Glanmole Road to Front Façade
- Rusticated and Segmented Grey Limestone to areas of Front Façade from Rock Farm Quarry at Little Island
- Arched Doors and Windows, with Central Loading Doors to upper floors
- Three doorways to front of building - Main entrance double doors, Single door to left is access to stairwell to top floors, Single door to right used for refuse storage and CSB metres.



Maps of Cork showing Parnell Place with buildings location.

- Building situated next to bus station
- Taxi and Multi-storey Car Park
- Apartment living on street
- Shopping Centre nearby
- Small shops on street, hair salon, sex shop
- City centre nearby
- Train station a few minutes walk
- Numerous Hotels a short walk



Bus Station and Bus Parking



Apartment buildings to south/west

Images of area surrounding building and design suitability

- Busy area with lots of Foot Traffic to and from bus station
- Taxi rank and Multi-storey car park - draws heavy traffic
- All present the street needs more life rather than just passing through
- More utilisation of the city could benefit from a market and restaurants on the eastern side
- Could capture business from people waiting for/coming from their buses



Northwest Quay Shopping and townwalk river



Entrance to Merchants Quay Carpark



View towards City Hall



Trinity Presbyterian Church

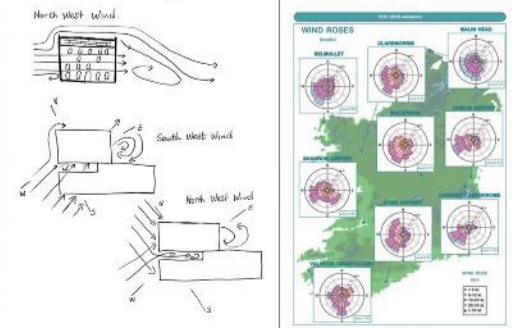


Photographic Record of Interior - 7-8 Parnell Place



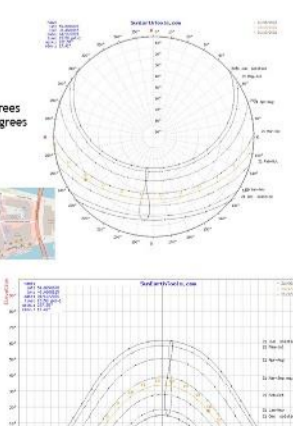
Wind Rose for Cork

Sketched diagrams assuming prevailing winds coming from South/West and North/West examples.



Sun Path for Cork

Sun angle
Winter 11 - 15 degrees
Summer 58 - 62 degrees



Traffic Flow

- Bus parking
 - Car parking
 - Traffic direction
 - Taxi parking
 - Footpaths
 - Building at Parnell Place
 - Cycle paths
- Busy area of city
 - Busy footpaths at bus times
 - Streets can be very busy, especially at rush hour times
 - Car park very accessible
 - Extra wide footpaths
 - Taxi rank outside door of building - with setback area
 - Noise - Holes and fumes from buses can be noticeable, but not overpowering.
 - At times there can be a lot of people waiting for buses to move on to other destinations.
 - Because of proximity to river, flooding can be an issue
 - The area could do with better lighting

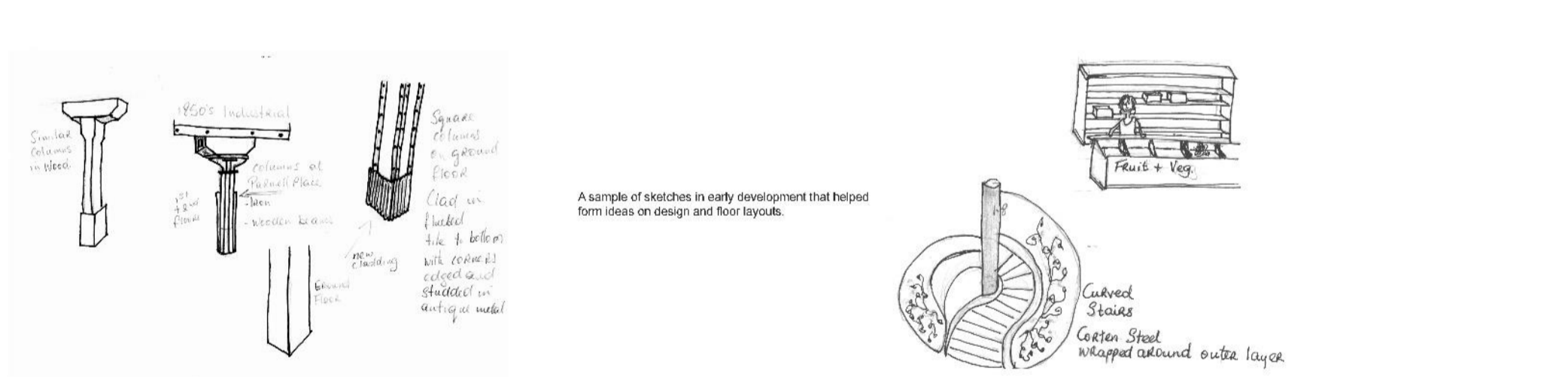
Second Floor - Gallery and Studios



Experiments

The start of my design process was to look at the surrounding area and experiment with ideas that could become an intrinsic part of the interior design. These two experiments were sourced from the external surrounds of the building at Farnell Place. The first experiment shows curled drying leaves picked from the trees planted to the front of the building. This gave me the idea of curving the main lecture staircase. I explored the colour and found Corten at different stages of age, where the patina can change with environmental influences. When exploring along the river Lee, I photographed both limestone and sandstone, but later I found the seaweed more interesting with its varied colours and shapes. This also influenced me to work with Corten for many of the design elements, but also to take it a step further experimenting with colour applications to the Corten. The Bubbled seaweed gave me the idea for the railings on the circular voids allowing both form and colour to establish the design.

The Gallery and Studio spaces are seen in these images opened up for more gallery viewing space. The glazed Crittal folding doors can be folded flat and the glazing which divides the studios can also be opened and folded back against the wall. This suggests a variety of uses for the second floor. Another circular void is seen here, matching the circles to the front of the building. The second floor is the only floor that has this feature.



A sample of sketches in early development that helped form ideas on design and floor layouts.

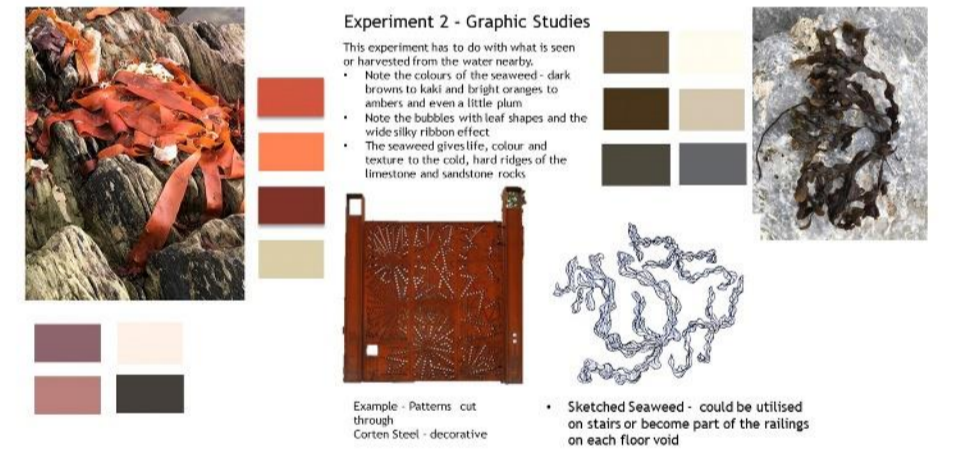
Experiment 1 - Graphic Studies

Leaf Sculpture

- Fallen leaves from Farnell Place - The natural drying of the leaf curls into an inward curve, twisting as it nears the outer tip.
- Images relate to an idea for the main staircase for the building, gently curving as the stairs ascend.

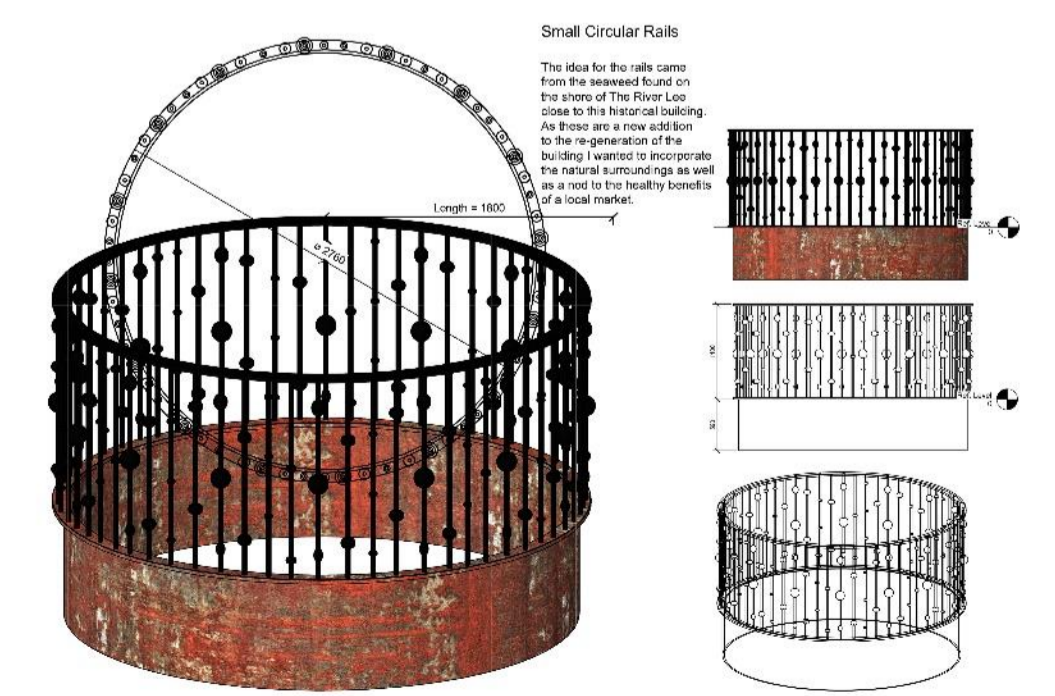
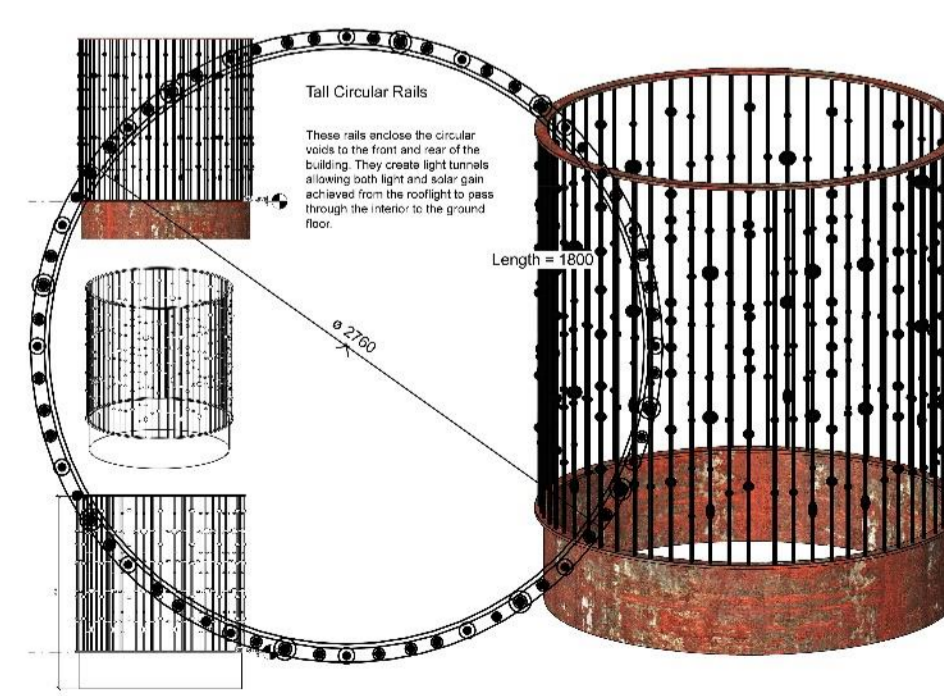
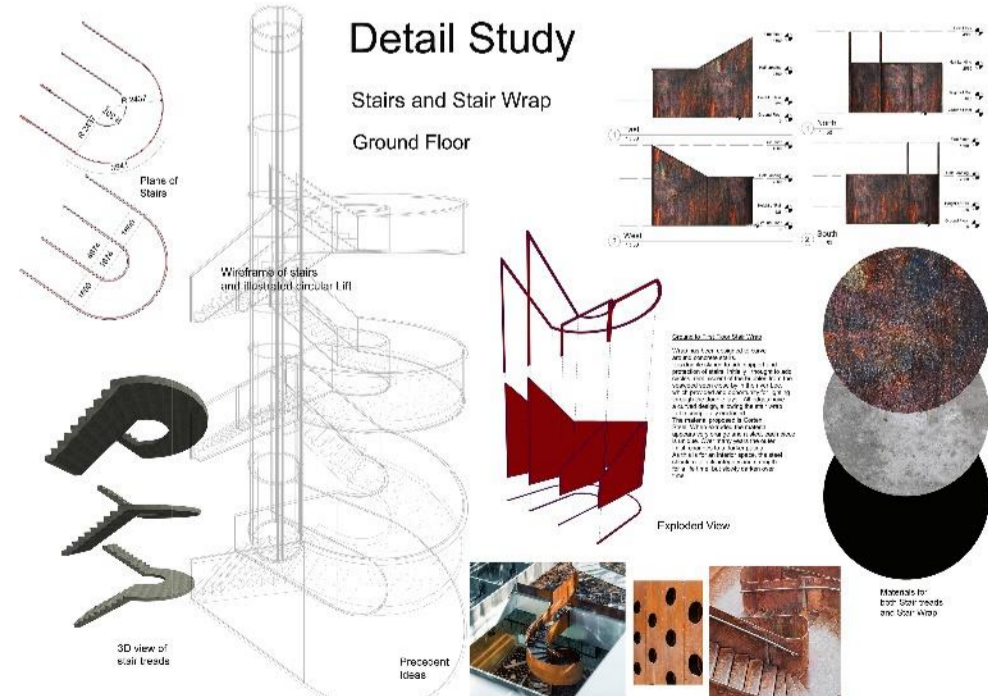
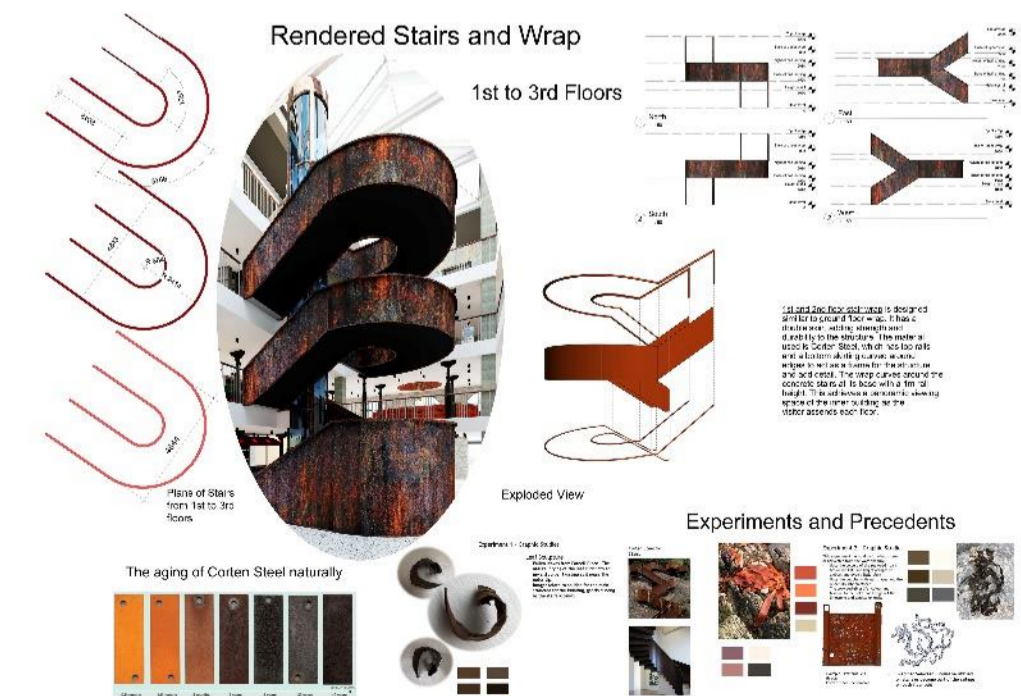


Experiment 2 - Graphic Studies



Example - Patterns cut through Corten Steel - decorative

Sketched Seaweed - could be utilised on stairs or become part of the railings on each floor void



Third Floor - Parnells Restaurant



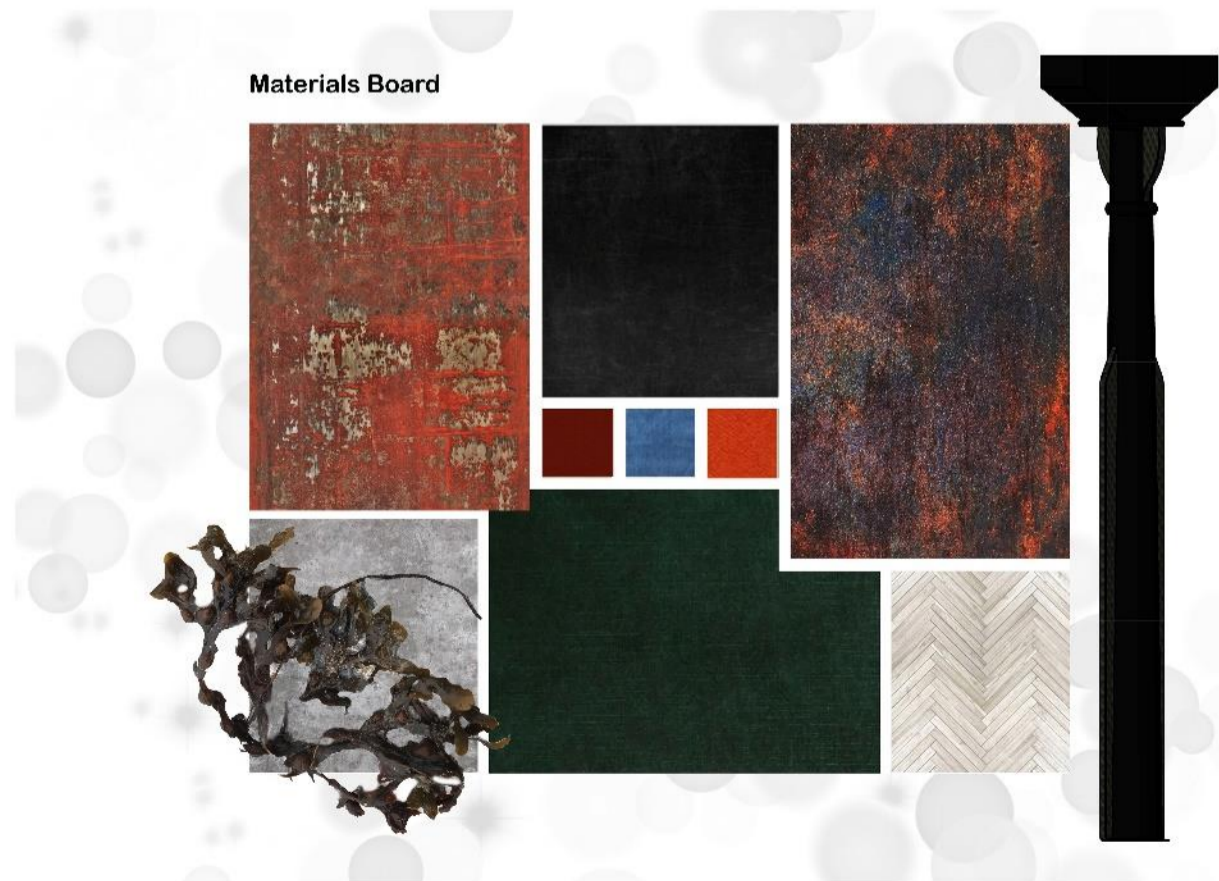
This view of Parnells Restaurant is an afternoon shot with ample sunlight from the rooflight. A view of the circular void with bubble rails along with the supports for the pendant lights that reach from the third floor to ground floor can be seen with soft lighting recessed into the frame that wraps the cut of the void on each floor. The open kitchen can be seen in the background. More dining space is available at the rear of the building where the natural stone has been restored and exposed. While the concrete and steel columns and beams have replaced old rotten timber, they are left exposed to highlight the original origins of this industrial building.



This night shot of the long work bench in the open kitchen shows where a more casual and exciting option of seated dining is available where the chefs may be viewed cooking and finessing dinner for hungry customers. The main staircase can be seen on the left with one of the circular glazed lifts central to the stairs. Views to the Gallery on the second floor may be seen while enjoying dinner.

Materials Board

The materials have been used throughout the building adding continuity to the open interior of the building.



A view of the main atrium from the third floor with staircase and glazed circular lifts can be seen below. It could be said that diners have a birds-eye view of activities on show on other floors below.

