



PERSONAL PROJECT

"ACRE HOUSE"
REHABILITATION CENTRE FOR CANCER
PATIENTS

JULIJA NARADAUSKAITE

"ACRE" REHABILITATION CENTRE FOR CANCER PATIENTS



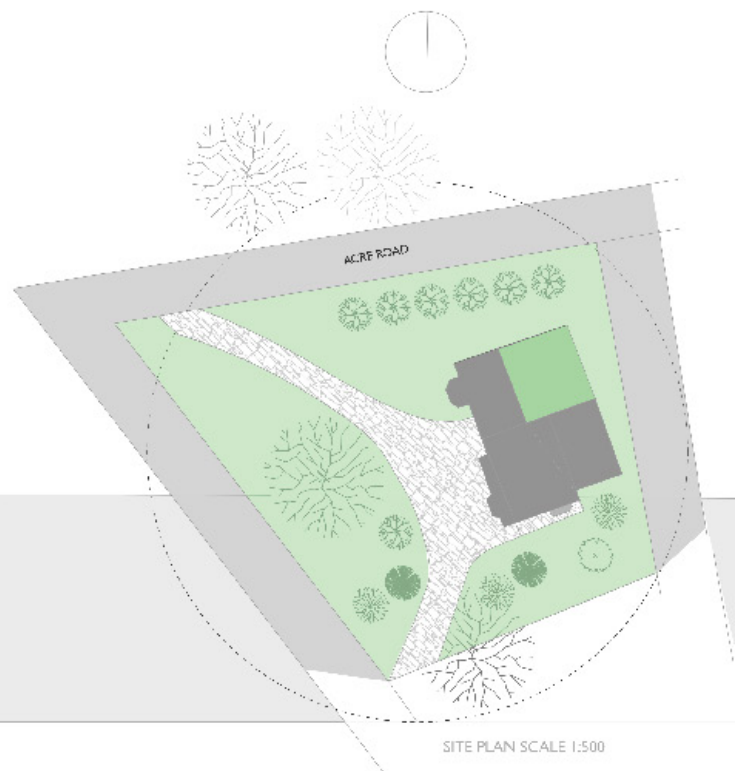
Acre House is a cancer centre, which helps to obtain the best physical, social, psychological, and work related functioning during and after cancer treatment.

Acre House is a circa 1880 building which was most recently used by Glasgow University as student accommodation.

The building is constructed of blond sandstone ashlar with Italian renaissance influenced stylings, and a three storey tower at the north-east corner.

Having lain empty since 2004 the building has suffered numerous break-ins and vandalism culminating in a recent major fire which destroyed the roof, interior and left the building in an utterly derelict burnt out and somewhat perilous state.

Acre House, which is located in 100 Acre Road Maryhill Glasgow G20 0TL was redesigned from its current derelict state into a fully functioning rehabilitation centre for cancer patients.





Acre House Approach from west



south elevation with a smaller ground floor bay window



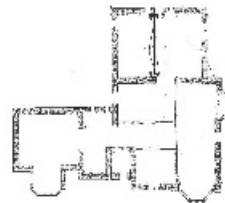
east/north sides of the tower top



view west looking out through the projecting bay, note the nochas in the stonework between the floors where the joist ends were fitted prior to the fire



inside the north annex with burnt wood panelling and some painted decoration still visible on the curved ceiling above below the charred timbers of the roof structure



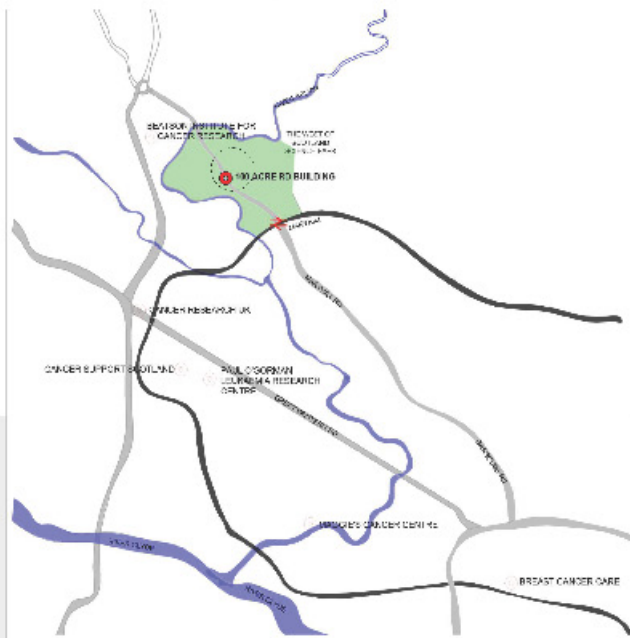
GROUND FLOOR PLAN



FIRST FLOOR PLAN



ROOF FLOOR PLAN



As the building was destroyed by fire it has neither roof nor internal walls and these aspects become the main focus of my project. The ruins and existing parts are integrated in the interior design.

There are cancer hospitals and research centres in Glasgow, however the city is in need of a rehabilitation centre. A new rehabilitation centre could provide patients with physical, social and psychological wellbeing during and after the cancer treatment.

Reasons for site selection:

- There is an empty green space beside the site suitable for gardening and outside facilities
- Close to cancer clinics and research centres
- Near to many public transport links
- Matches my design philosophy








WEST FACADE REFLECTS BOTH OLD AND NEW PARTS OF THE BUILDING, SCALE 1:100

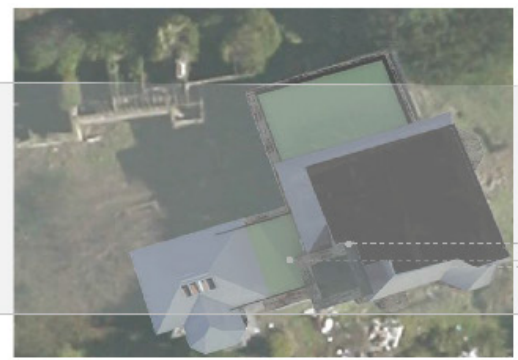
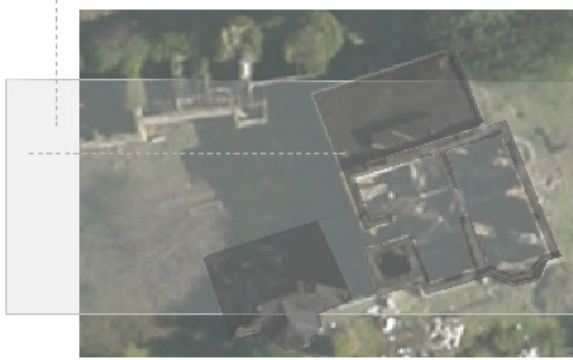
MATERIALS

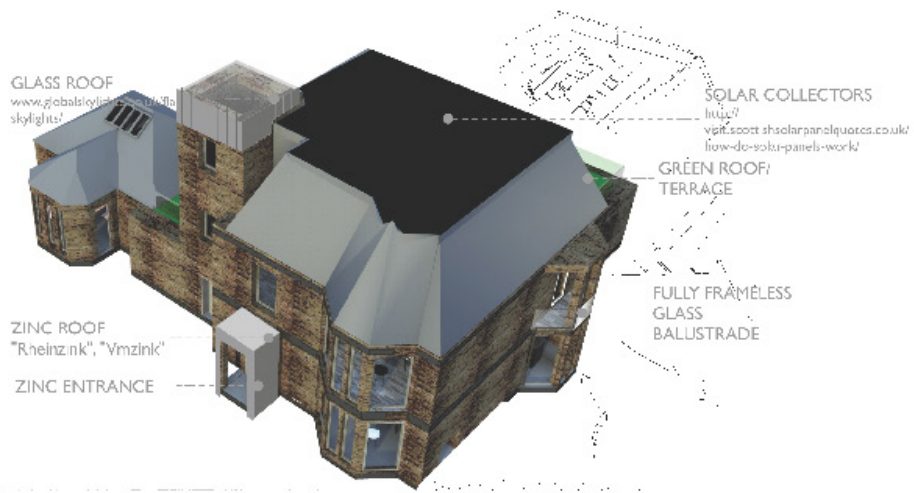
ORIGINAL/ EXISTING MATERIAL PALETTE

-  OLD WOODEN PANELS →  NOW THEY ARE USED AS RECLAIMED TIMBER FLOORS.
-  RUINED CONCRETE CEILINGS →  THIS CONCRETE CEILING, WHICH HAS BEEN FINISHED TO A HIGH STANDARD, AVOIDS THE NEED FOR A CEILING COVERING ALTOGETHER.
-  SANDSTONE THIS BUILDING WAS BUILT WITH BLOND SANDSTONE AND HAS BEEN CLEANED AND RESTORED TO ITS ORIGINAL APPEARANCE.

ADDED ECO-FRIENDLY MATERIALS FOR EXTERIOR AND INTERIOR DESIGN

-  ZINC. IT IS A NATURAL ELEMENT OF ENVIRONMENT THE ELEMENT OF LIFE. FOR DECADES, IT HAS PLAYED A KEY ROLE IN THE INTERNATIONAL ARCHITECTURE SCENE AS THE KEY SUBSTANCE IN THE NATURAL MATERIAL PROVIDED BY RHEINZINK AND VMZINK.
-  GREEN SURFACES. PLANTS ABSORB AIR POLLUTION AND DUST. HAVING PLANTS INTEGRATED IN THE BUILDING ALSO CREATES A SYMBOLIC LINK TO NATURE, REMINDING US OF OUR CONNECTION WITH AND ENJOYMENT OF THE NATURAL WORLD.
-  RECYCLE GLASS. TECHNO RECYCLED GLASS SURFACES IS AN EXCEPTIONALLY CRAFTED, TRULY INNOVATIVE PRODUCT WITH A TRANSLUCENT EFFECT. MADE FROM 99% PRE- AND POST-CONSUMER RECYCLED MATERIAL, OFFERING PEAK PERFORMANCE IN A SUSTAINABLE SURFACING OPTION.



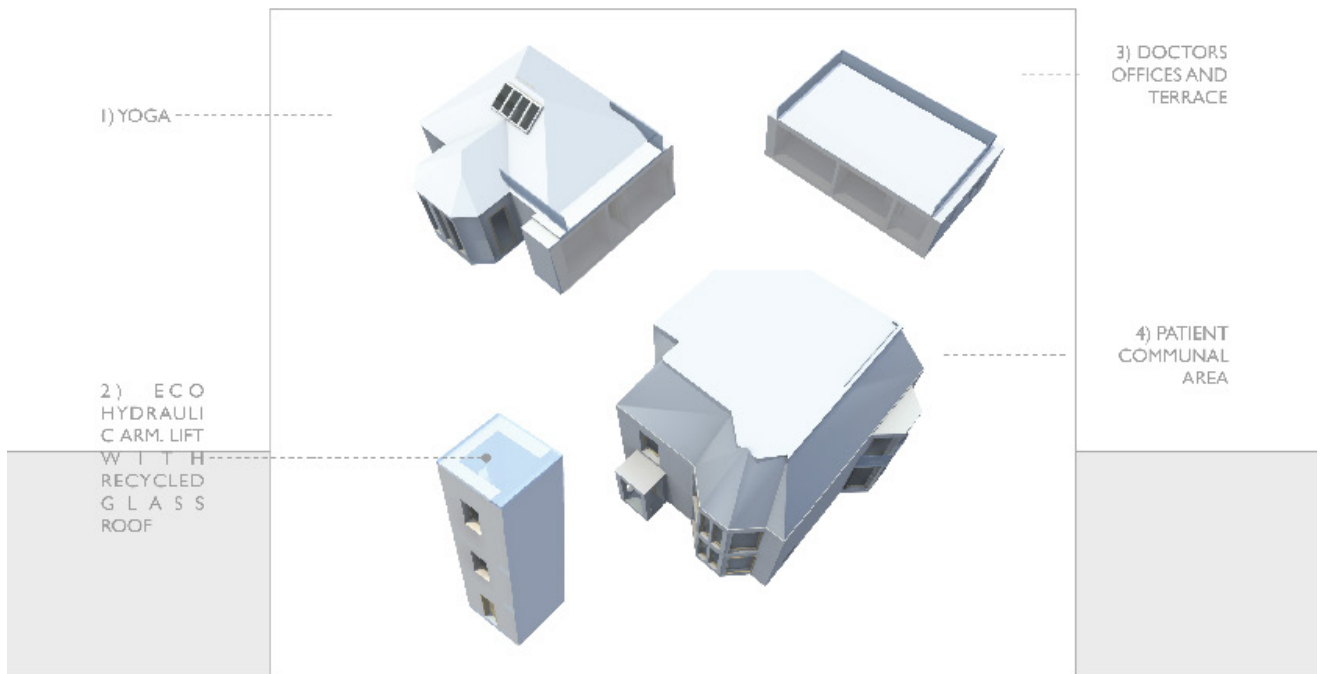


As this is a derelict building, that lets me change and re-design some parts of the structure, which suit my design, which enables me to use modern and sustainable materials and combine them with the old ones.

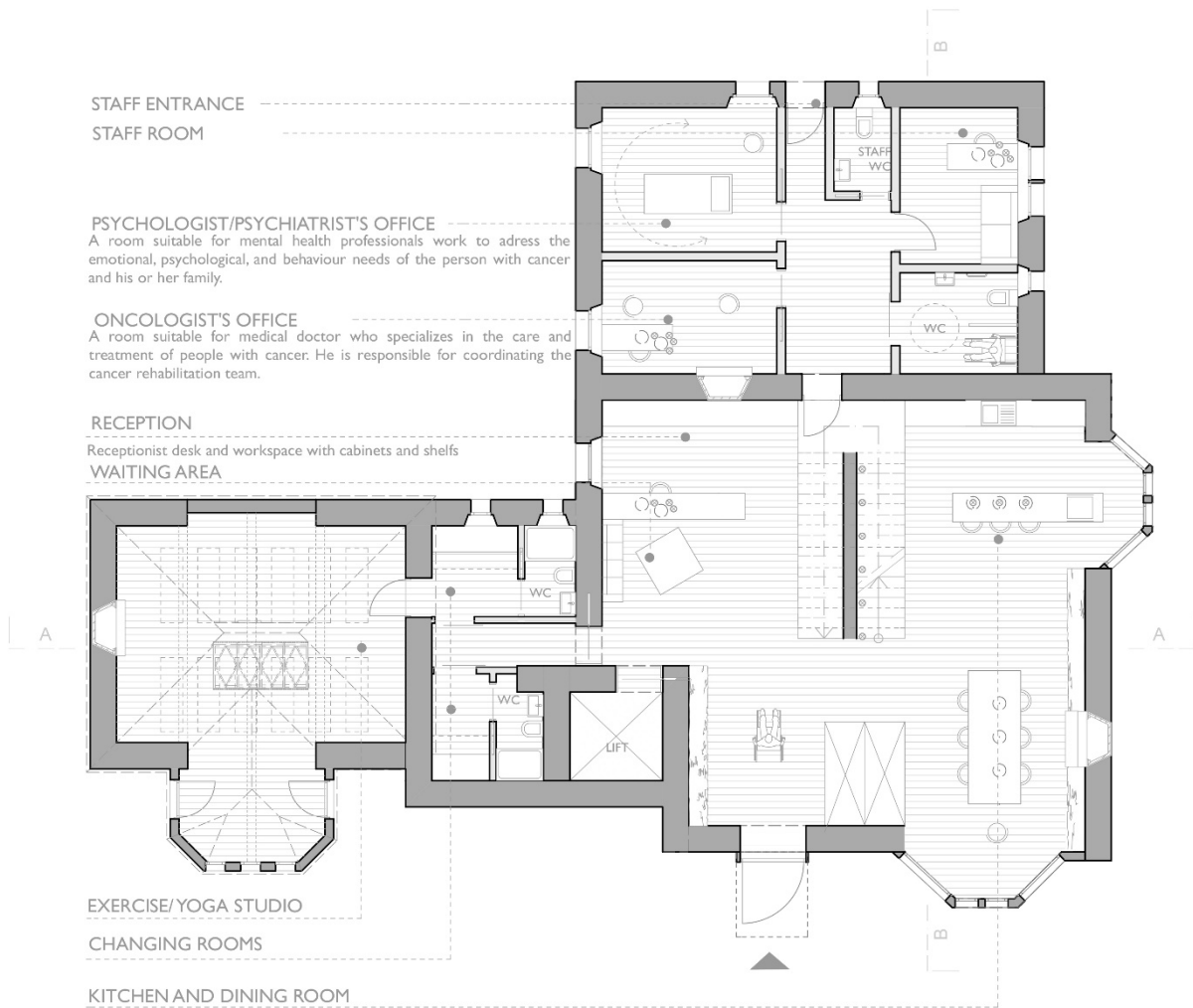
A large focus doing this project was on exterior design and Architecture, because ARCHITECTURE DOES MATTER FOR HEALTH. According to the research on Maggie's cancer centre showed that the implications are fairly obvious within architecture. Style matters, brand image matters, and although their effect may wear out, as styles and brands generally do, patients who go to Maggie's Centers do better than those who do not. Maggie's centres hire great architects, even brand names such as Frank Gehry and Zaha Hadid, because they inspire care-givers and the cancer patients alike. Good architecture says to everyone, "We care, and to show it we have spent extra attention and money on you. Inspiration matters; it can change things. Don't give up."

Charles Jencks "Maggie Centers and the Architectural Placebo".

THIS BUILDING HAS 4 DIFFERENT PARTS:



GROUND FLOOR



GROUND FLOOR PLAN, SCALE 1:100

BACK TO NATURE



My goal was to create eco-friendly multifunctional space for cancer patients which wouldn't feel like a hospital but still being equipped to cope with any of the patients requirements and treatments. In my project I tried to use as many reclaimed materials and sustainable energy sources as possible.

I wanted a strong natural theme throughout the spaces because, as studies, research have shown that natural surroundings can have a direct positive effect on a patients' recovery.

"Sternberg said that there is a close relationship between the senses, the emotions, and the immune system, first among these is the story of the researcher who, in the 1980s, found that HOSPITAL PATIENTS WITH A VIEW OF NATURE HEALED FASTER THAN THOSE WITHOUT."

ESTHER M. STERNBERG "HEALING SPACES"



GREEN WALLS. Having plants in the built environment creates a symbolic link to nature, reminding us of our connection with and enjoyment of the natural world.



FIREPLACES create a cosy, home atmosphere.



RAIN WATER HARVESTING is the accumulation and deposition of rainwater for reuse on-site, rather than allowing it to run off. It uses include water for garden, water for livestock, water for irrigation, water for domestic use with proper treatment and indoor heating for houses.



SOLAR PANELS PROVIDE majority of electricity to run the house and the surplus can be sent back to the grid.



RECEPTION

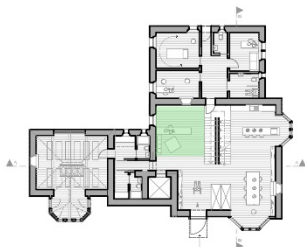
"DU PONT" GLACIER WHITE CORIAN

"DU PONT" CLAM SHELL CORIAN



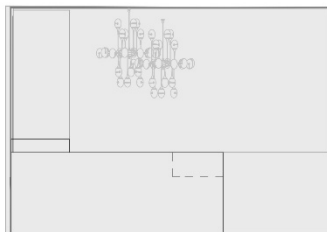
LIVING WALL

"OIKOS" COFFEE TABLE FROM RECYCLED WOOD

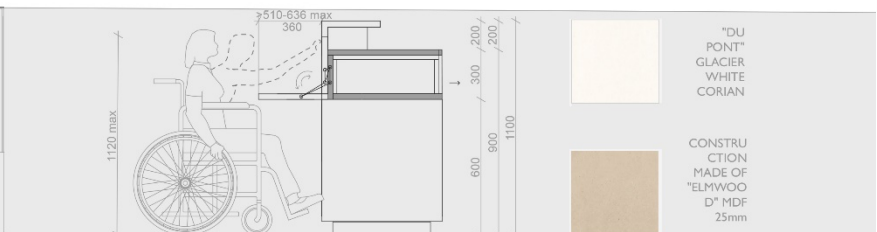


ACRE HOUSE is a place, which is aimed to be different from a hospital, because of cosier and home environment. Green walls and reclaimed wooden floors create friendly and welcoming atmosphere.

One of the offered therapies here is a surprise therapy. It is a truth universally acknowledged that one of the greatest pleasures in life is to be happily surprised. Pleasant surprise beats most forms of entertainment, particularly when it results in a positive change of mind. This interior design creates a surprising atmosphere where one of the main objects - a green wall starts here and leads to the whole interior design...



RECEPTION FRONT VIEW



RECEPTION DESK

"DU PONT" GLACIER WHITE CORIAN

CONSTRUCTION MADE OF "ELMWOOD D" MDF 25mm

KITCHEN AND DINING ROOM

"OIKOS" RECYCLED WOOD CABINETS "DU PONT" CLAM SHELL CORIAN



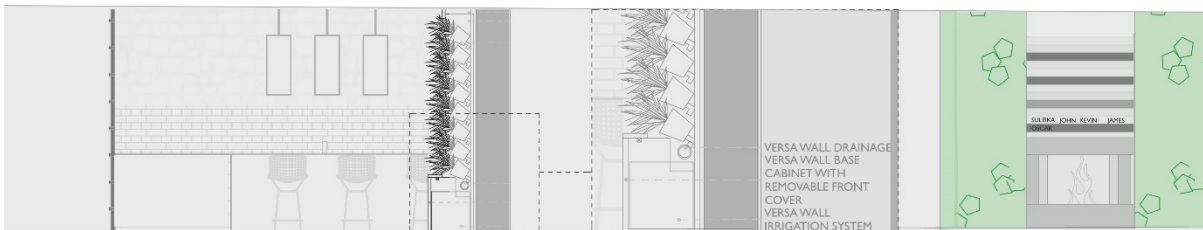
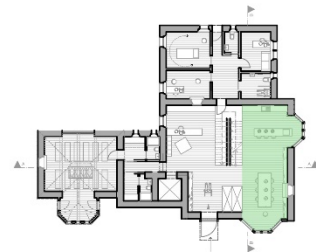
BLACK PAINTED STEEL STRIPS

"CHARLES EAMES DSW" CHAIRS

LIVING WALL

According to the research from Maggie's cancer centre the kitchen and dining room are the main areas. The kitchen and dining room are the most important places in this centre as well, because they create a cosy, open area, which invites people to communicate and share their thoughts.

The green wall is the patients' planting wall, where patients leaving the centre after successful rehabilitation can plant their plant and leave their name on a magnetic memory board.



KITCHEN SECTION SCALE 1:50