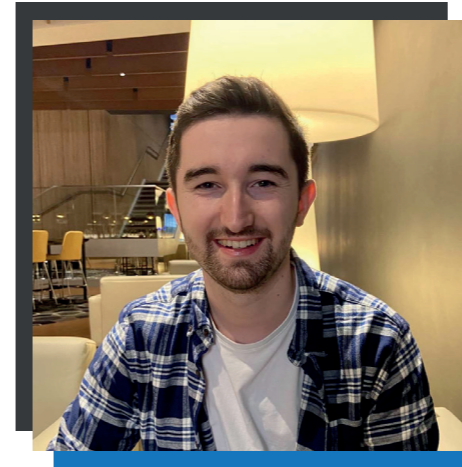


DESIGNS

LEWIS AINSWORTH
CAD PORTFOLIO

ABOUT ME



Hi, I'm Lewis Ainsworth, a Winchester based CAD designer.

From an early age, I was evermore intrigued by architectural plans and I was often found watching the popular TV show, 'Grand Designs'. As a means to fulfill my aspiration to become an architect, I pursued an A-level in Product Design and recently completed a undergraduate degree in Computer Aided Design.

I specialise in architectural modelling and visualisation on programs such as ArchiCAD and Revit to create detailed building proposals and designs. Through completing numerous projects with varying briefs, I have the fundamental skills in the following programs; Fusion360, SketchUp, FusionFX 2020, Autodesk, Maya and the Adobe Suite.



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PLAN LOGO

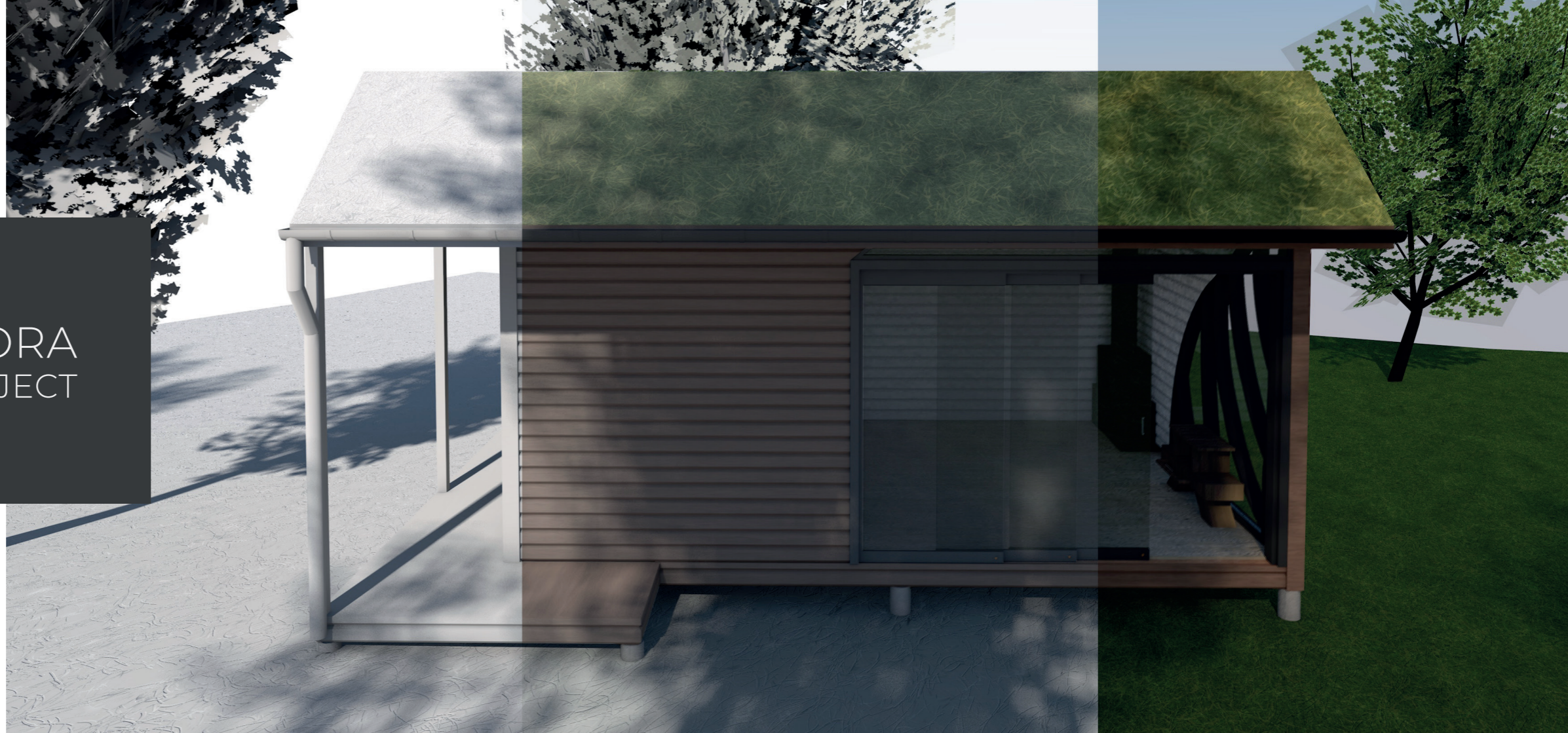


RIVER VIEW KITCHEN
PROJECT



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KIA ORA
KIWI CABIN PROJECT



KIA ORA

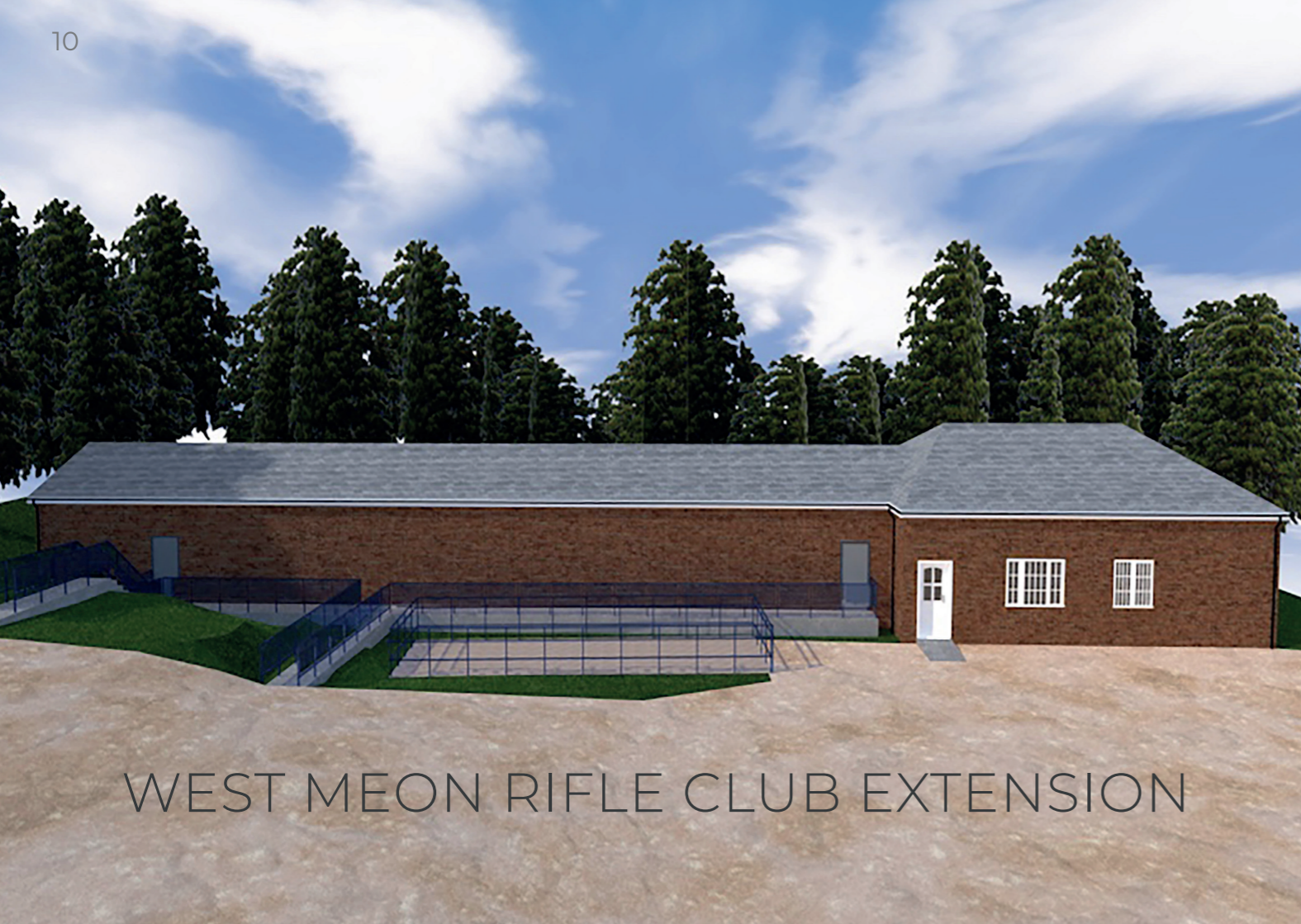
I was tasked with designing a space suitable for group meditation sessions and to process flower essence for a competition brief based in Earth Energies Sanctuary, New Zealand.

The proposed location sits roughly 300 meters downhill from the main residence with no established roads, therefore it can only be accessed by foot. The terrain will allow for a small vehicle to carry all materials down to the site ready to construct the cabin. The cabin must accommodate up to 5 people but must not exceed an area of 30m². Furthermore when the space is not used by guests, it will be used to process flower essence and will require adequate lighting for at least 2-3 hours a day.



'KIA ORA' which means wishing good health in New Zealand, is the proposed cabin design for Earth Energies Sanctuary. The proposed design incorporates aspects of nature to enhance the calming effects of the space making it perfect for meditation. The bespoke leaf-shaped windows and frameless sliding doors allows the space to open up to the elements and allow natural light into the space for processing flower essences as mentioned in the brief. Most importantly, the building is designed to be constructed from locally sourced, FSC certified timber and will be finished off with a grass roof to improve the sustainability aspect of this cabin proposal.





WEST MEON RIFLE CLUB EXTENSION

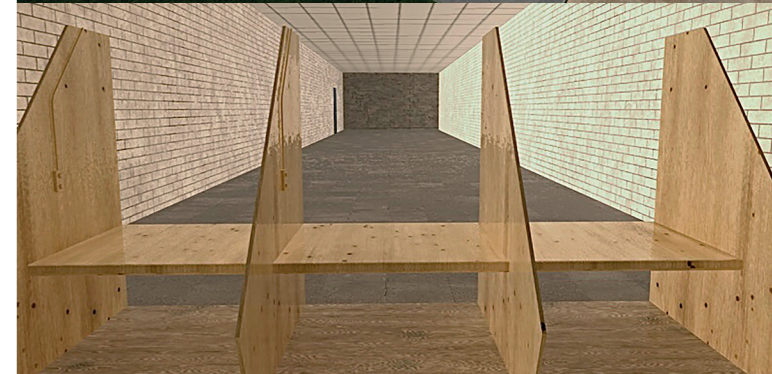
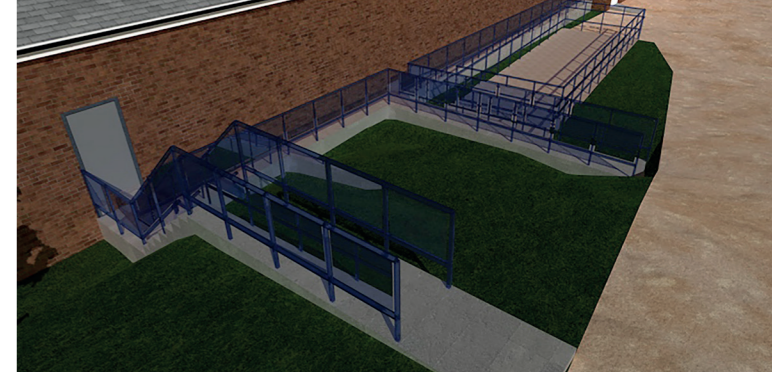
WEST MEON RIFLE CLUB EXTENSION

In this project, the West Meon Rifle club required an extension onto their clubroom area, improved disability access and the development of a new armoury and firing bay.

The perimeter of the proposed extension measures at 8m x 9.7m with a new armoury, toilet and kitchen area. The clients preferred to keep the tall cupboard and main table which has been incorporated into the space appropriately.

The new pathways are designed to improve the fire escape routes and provide easier access for people with disabilities. Glass-panelled handrails are also included in the design proposals due to high levels of moisture and vegetation which may cause the path to be slippery at times.

The 3D design proposals were created in ArchiCAD 24 and rendered using CineRender by Maxon. Multiple floor plans and sections created in AutoCAD were also supplied to the client ready to apply for planning permission



BIO



DIM

'BIODIM' SMART WINDOWS

The BIODIM smart windows is a design based on the concept and understanding of biophilic design combined with OLED and electrochromic technology to create windows that can display images of nature or black-out the windows with a click of a button.

These windows are designed to remove the need of unsightly blinds or curtains and improve the scenic views for properties in highly urbanised areas where nature is not visible. This will allow property owners to feel reconnected to nature which significantly improves an individuals physical and mental health.

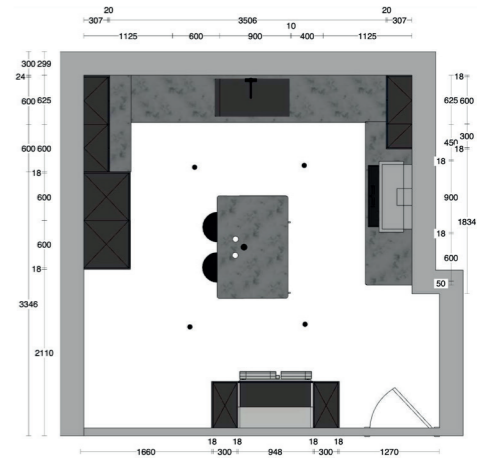


RIVER VIEW KITCHEN PROJECT



RIVER VIEW KITCHEN PROJECT

The River View Kitchen was a unique project handed to myself whilst I was based in Wickes Winchester as a Kitchen & Bathroom Design Consultant. In this project, I was required to design a new kitchen layout based on the architectural plans provided by my client in our 'Milton Midnight' door style with marble effect solid surface worktops. The combination of the 'White Carrara' slabtech worktop, navy wood effect fascias and the brushed brass effect handles create a striking look that the clients found perfect from the offset. The overall design, layout and appliances required tweaking and further research throughout the project but fortunately, once all the details and products were agreed, my clients finalised on the plans.

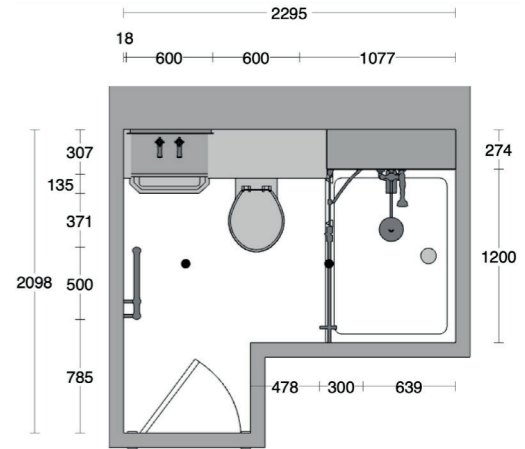


BATHROOM PROJECT



BATHROOM PROJECT

Another project I completed whilst I was based at Wickes Winchester was this lovely ensuite bathroom for a client. The client has lived in the property for over 30 years and most rooms required extensive work and refurbishment. I designed their ensuite with one of Wickes's Vienna White fitted furniture ranges underneath a ice white laminate worktop and traditional style recessed sink and toilet. The shower enclosure features a hinged door which the client prefers as opposed to sliding doors as well as a rainfall effect shower that ties in with the traditional white and chrome theme. Overall, the clients were extremely pleased and have recently finalised on the project.

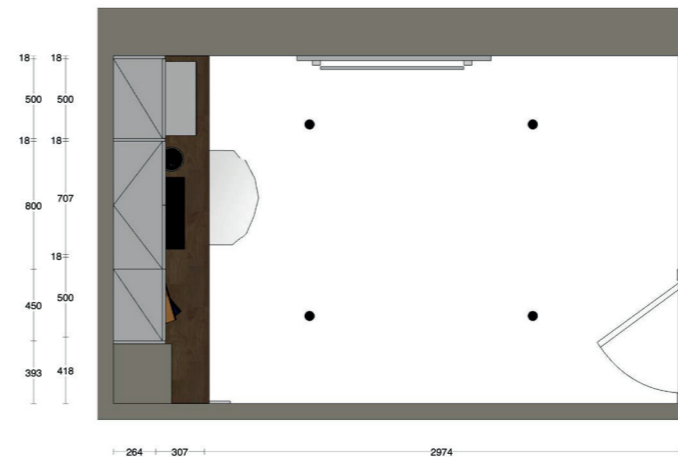


HOME OFFICE PROJECT



HOME OFFICE PROJECT

My first home office project at Wickes Winchester was for a client who wanted one of our fitted home office ranges in one of the spare rooms. The difficult area of this room was the large chimney breast in the left corner of the space which the client wants to cover up as much as possible. Once the client had chosen their preferred worktop and unit style, I created a bright and functional space allowing the client to hide away any miscellaneous items helping to keep the space clean and tidy. The L-shape run of wall units provides additional storage above and creates the overall unique look for this project to which the client was extremely pleased with.



'CHARGED' LOGO

CHARGED is an electric skateboard brand created as part of my business plan module for my final year in University.

The logo I designed in illustrator follows the form of a lightning or charging symbol with alterations made to the central component. The two individual lines in the center of the logo is aimed to be an illustration of a road from a birds eye view to indicate that CHARGED is not only an electric skateboard brand but a road legal product.

I created a branding guideline document to display the chosen colour themes, typography and the various logo's available for certain backgrounds and styles.



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Primary Typeface: Montserrat

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PHOTOGRAPHY

I have recently taken an interest into photography and I am keen to develop my skills within photoshop further. I am particularly interested in architectural designs and capturing the forms and shapes found in both historic and modern buildings. The three images displayed have a mono effect filter and slight edits to the contrast of each photo to bring out the light and dark areas more.



LADESIGNS



LADESIGNS_UK



LEWIS AINSWORTH

Be sure to scan the QR code and check out my portfolio website

