



APPRENTICESHIP PROGRAMME

**BLUE
ENGINEERING**



CONTENTS

04	Welcome to Blue
06	What is structural engineering?
08	Why choose us?
10	Our projects
12	Team structure
14	Team Blue
16	Application process
18	FAQ
20	Where we are



WELCOME TO BLUE ENGINEERING

Have you ever thought about how things work? Do you have what it takes to plan, design and construct building projects, from homes to offices, bespoke structures or art installations? Do you want to earn a salary, get valuable on-the-job experience while studying at degree level?

Blue Engineering is a design-led multidisciplinary structural engineering firm in Shoreditch, London. Our renowned degree apprenticeship programme gives you the opportunity to attend university whilst carrying out a role in the company.

Established in 2010, Blue was built upon a desire to celebrate structure, push the envelope of structural engineering and provide a dynamic workplace where engineers can grow both professionally and creatively. We aim to create the perfect environment for ambitious and creative individuals.

Our award-winning studio works on a wide range of projects across the residential and commercial sectors. We purposefully take on projects that allow us to flex our creative muscles and broaden the complexity of the workload within the studio, and have built a reputation for creative, considered problem solving.



In 2017, Blue was recognised as the Best Small Employer in London and the South East in the National Apprenticeship Awards. In 2018, we were announced as one of the Top 100 Apprenticeship Employers in the UK.

Founding Partner James Nevin has been an apprentice ambassador for years. His voice has been heard advocating for apprentices with initiatives such as the Government's Get In, Go Far campaign which can be heard over the radio and other media channels.

At Blue Engineering, we place significant value on the Apprentice's enthusiasm and ability to absorb information. I believe the Apprenticeship Programme is a win-win scenario. As a growing business in a competitive industry, our employees are our strongest assets, and apprenticeships provide a valuable pipeline to a constant stream of fresh talent which we can mould into bright, exciting careers.


James Nevin
Managing Partner



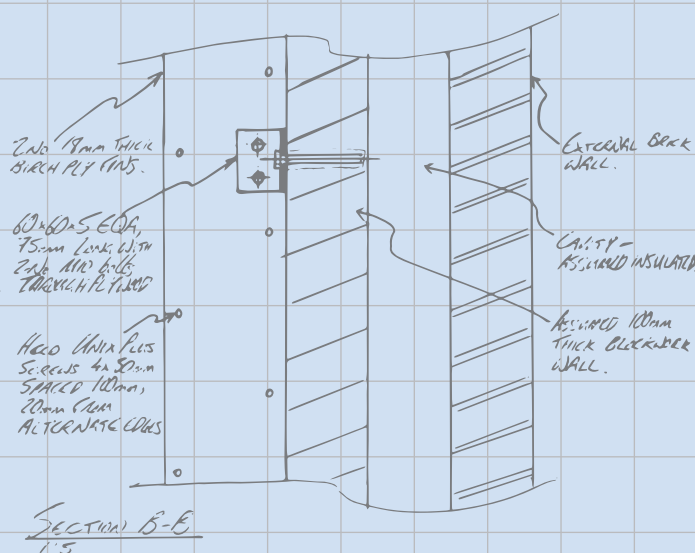
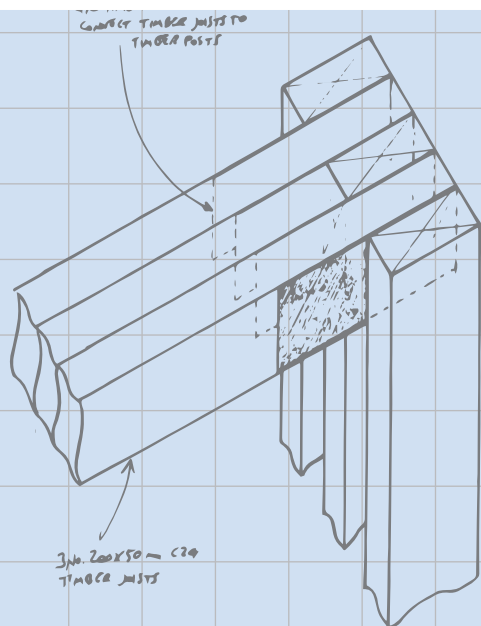
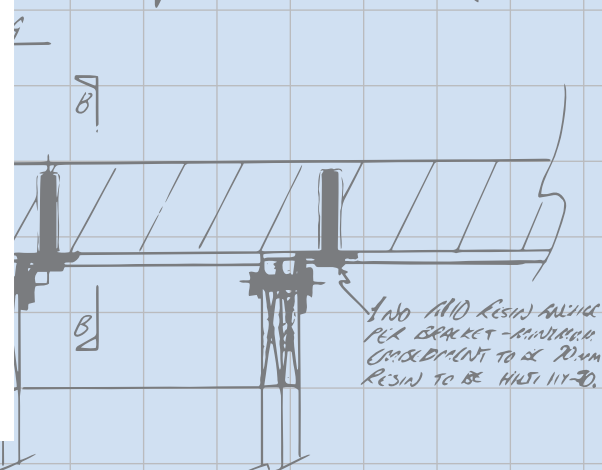
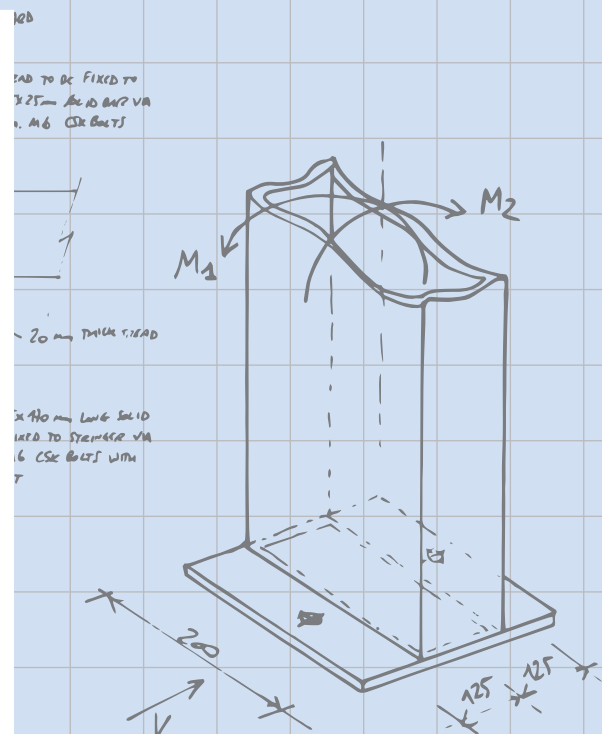
Celebrating the Best Small Employer in London apprenticeship victory at the 14th National Apprenticeship Awards ceremony.

WHAT IS STRUCTURAL ENGINEERING?

As a structural engineer apprentice, you will be dealing with the analysis of structure and help design the support framework of buildings that surround us. At the end of your apprenticeship, you will have the tools to develop safe, sustainable and technical solutions that are delivered to quality standards and industry specifications.

While structure is primarily required for a building's construction, structural design influences the finished aesthetic and performance of a building. We can add value to projects in how we choose to express or hide material, using concrete, masonry, timber, steel or other inventive resources.

You will be focusing on the drawings and specifications we produce for the contractor to work to. This includes calculations, researching a range of building materials and implementing the placement of beams, foundations and columns.



A structural engineer also gets involved in the surveying of buildings and their surroundings in order to determine the suitability of the client's proposals.

There is a significant focus on communication; you will be in regular co-ordination and consultation with other engineers, architects, developers and builders. Most importantly, structural engineering is an occupation where you are involved in the creative and logical aspects behind-the-scenes of constructing structures.



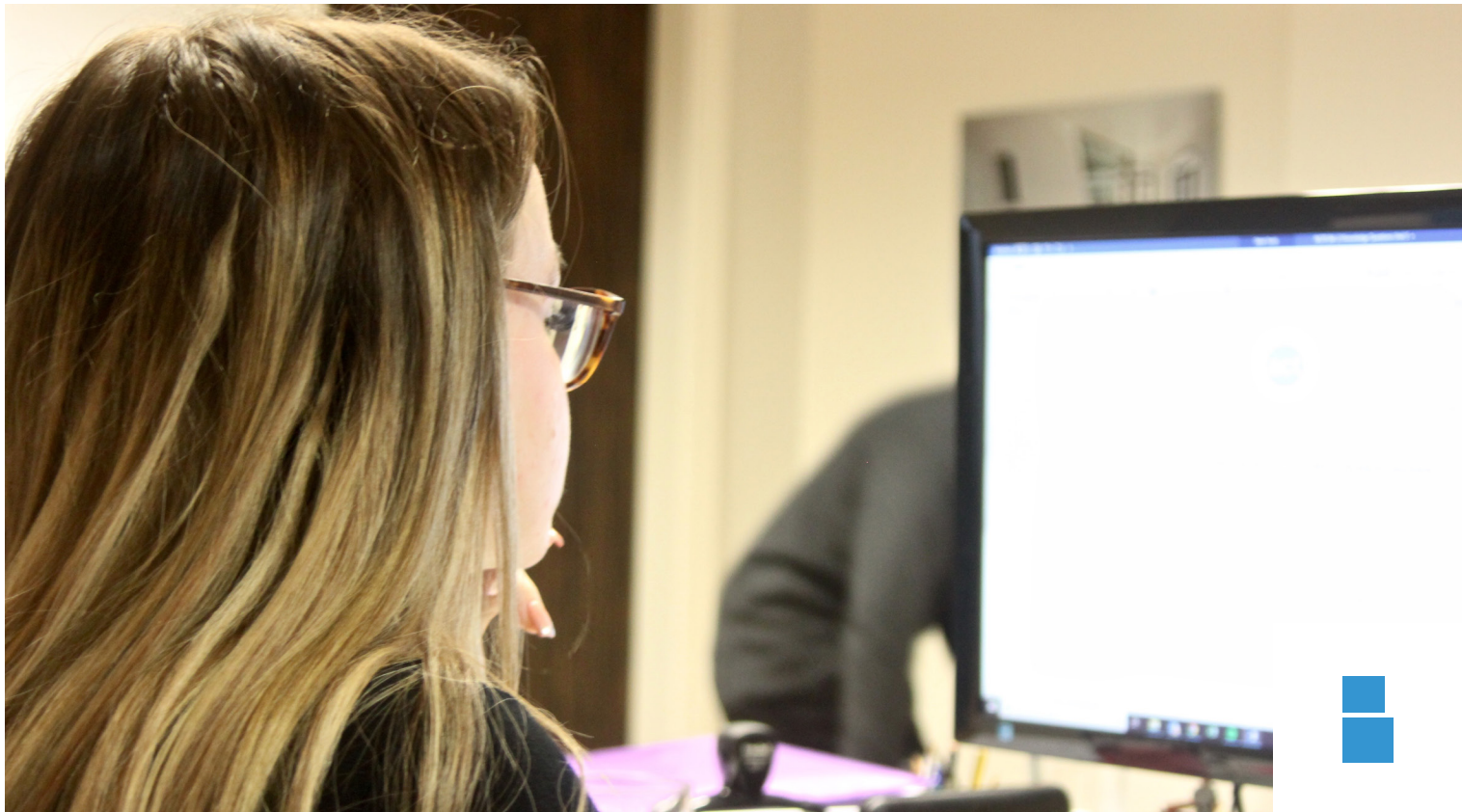
WHY CHOOSE US?

- ✓ Award-winning apprenticeship programme, one of few specialising in structural engineering
- ✓ One of the UK's Top 100 Apprenticeship Employers
- ✓ Friendly, young and supportive team, giving you the opportunity to learn, ask questions and grow
- ✓ Clients such as Stirling Ackroyd, Deciem, The Tate Modern, Airbnb and Hayward Gallery, just to name a few
- ✓ Our designs have been published in Wallpaper*, Grand Designs, Ideal Homes UK, Elle Décor and Real Homes
- ✓ Winners of RIBA London Awards, AJ Small Projects, LABC Awards and Don't Move, Improve! Awards
- ✓ Accredited degree by the Institution of Civil Engineers in partnership with London South Bank University (LSBU)
- ✓ Weekly training sessions that are tailored to your course guide and project work
- ✓ Team-building social activities and annual trips
- ✓ We hire groups at a time so you can help each other through the process



My experience at Blue Engineering has given me a better understanding of the real world. My interpersonal skills are always developing thanks to the team structure and my responsibilities in project design have made me a better problem solver.

James Apedoe
Structural Apprentice



OUR PROJECTS



Above Grand Drive project with Design Squared Ltd Below Artist Daniel Steegmann Mangrané's chain-link curtain at the Space Shifters exhibition Hayward Gallery



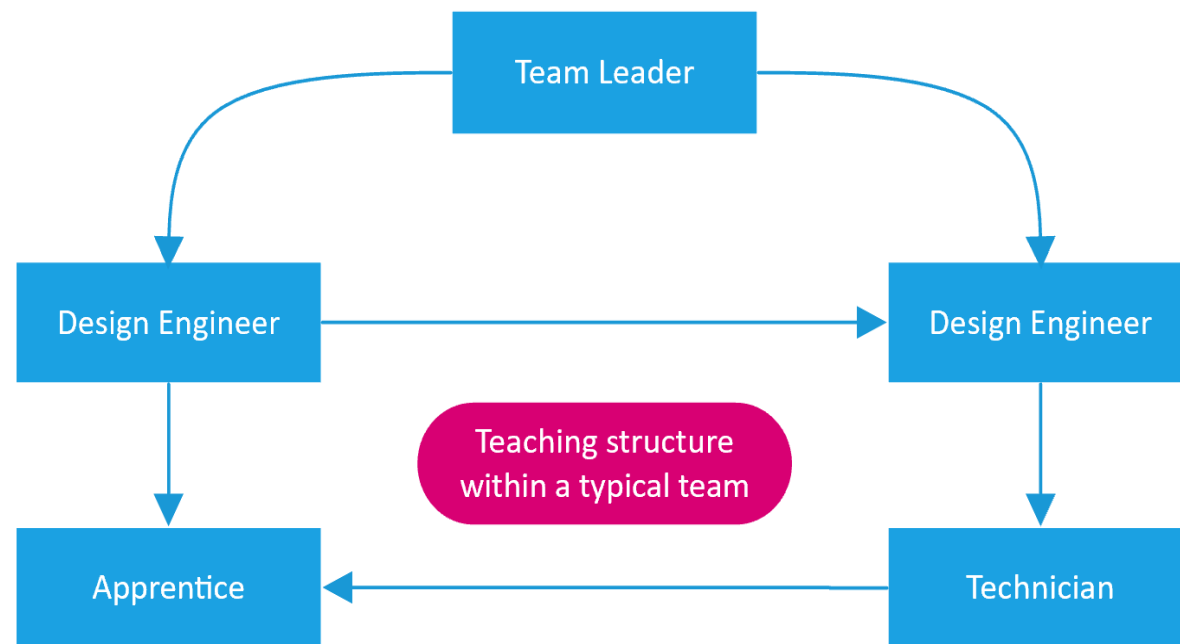
Top Chapter Street with FS Contracting Above Left Site inspection Above Right 3 Planes with Studio McW



TEAM STRUCTURE

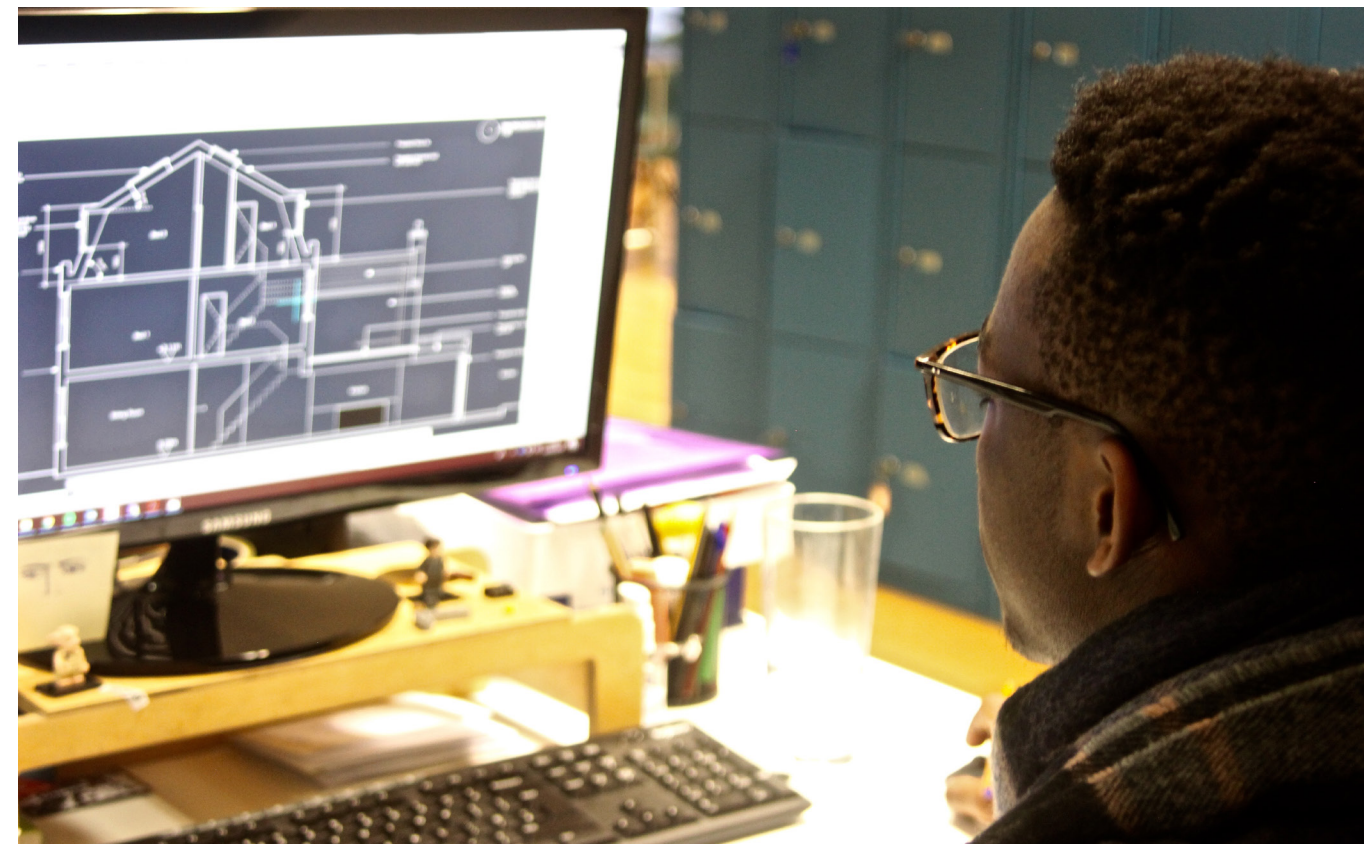
Blue Engineering operates on a team structure, each with their own speciality. Working in this way ensures that there is always someone available to discuss your project.

Each team is headed by a project engineer with support from design engineers, technicians and apprentices. This layered approach ensures we have a wide range of skills on each project, shapes an environment conducive to growth and innovation.



WHAT YOU WILL BE DOING

- Working in a team setting to support the overall development of structural designs and projects.
- Using Computer Aided Design (CAD) to create drawings in preparation for manufacturing.
- Researching and preparing detailed information to aid design development through scheme stages.
- Calculating the loads and stresses placed upon structures to ensure stability.
- Designing basic construction layouts in sketch format to aid project progression.
- Meeting agreed deadlines for work in-house and for university.
- Visiting sites to check that the construction process is in accordance with the design.
- Attending additional training and career progressive sessions to increase industry knowledge.
- Ensuring design outputs meet the required standards.



TEAM BLUE

As you learn job specific skills, you will also develop your interpersonal and team building skills. As a member of the Blue team, you will not only have a great supportive network of colleagues, but of friends as well.

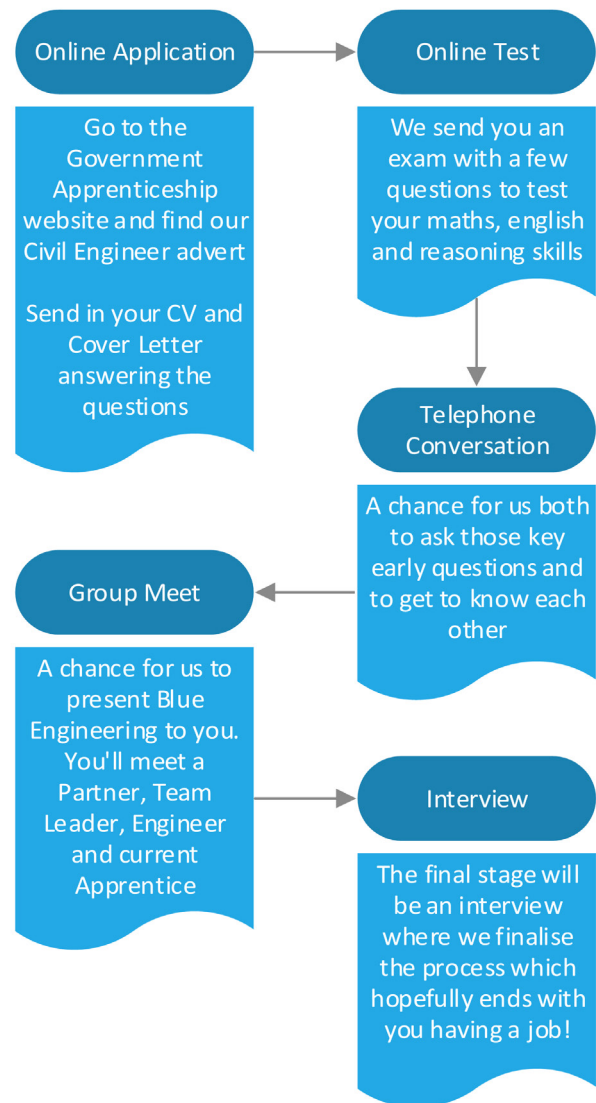
As a small company, social events are an important element of our ethos. Whether it's a pub quiz, ice-skating or visiting design exhibitions these regular events give us a chance to build team relationships in a relaxed environment. Each year, the whole studio goes on a weekend trip abroad to explore some of Europe's most interesting cities, which so far have included Nice, Porto, Berlin and Valencia.



Since day one, I felt like I was a part of the team which motivates me to do my best.

Sam Hills
Structural Apprentice

APPLICATION PROCESS



When you're ready to apply, just follow the steps above to successfully submit your apprenticeship application.

You may be required to take an assessment or be asked to attend more than two interviews. The process may alter but you should follow this as a general guideline.

On the company website there is an email address to which you can send your CV and Cover Letter explaining what role you are applying for, why you should be considered and why you want the position. This email is:

apprenticeships@blueengineering.co.uk

Working for a smaller company has been a great place to start my career. I apply my studies to a role that completely focuses on my degree. The continual training and teaching sessions means I'm always learning.

William Wilding
Structural Apprentice





Above Roominaroom project with Atmos Studio

FAQ

Will I have to pay towards my apprenticeship?

The costs for your degree apprenticeship will be funded by your employer via their Apprenticeship levy and the government. Therefore, you will not pay for your tuition fees. However, you may be expected to pay for your own travel expenses to-and-from your office placement and place of study.

How long will it take?

The civil engineering degree apprenticeship we offer takes a minimum of six years to complete. This is in partnership with the London South Bank University.

Do apprentices take exams?

University exams are expected at the end of modules. Time out from work will be allocated to study prior to these exams. In-office exams will be taken every quarter to assess and measure your development.

How often do apprentices attend university/college?

On average, apprentices are expected to spend 80% of their time at their given work place and 20% at either University or College. This works out to being one day in lectures and 4 at the work place.

How much do apprentices get paid?

Your wage will depend on the company and your employer. At Blue, our apprentices have a fixed starting salary of £13,500 per annum. Your wage increases annually subject to your progress. Final salary after apprenticeship is £36,000 per year.



What are the entry requirements?

Apprenticeship candidates should have Minimum three A levels including a B in Maths; or a construction related BTEC level 3; or equivalent.

What happens after the apprenticeship?

We are building your career to make you phenomenal engineers. We'd love for you to stay on with us — progression continues right to the top!

Doing an apprenticeship that is tailored to structural engineering has allowed me to gain invaluable experience on the job.

Holly Morgan
Structural Apprentice



WHERE WE ARE



 **Blue Engineering**
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 apprenticeships@blueengineering.co.uk

CONNECT WITH US

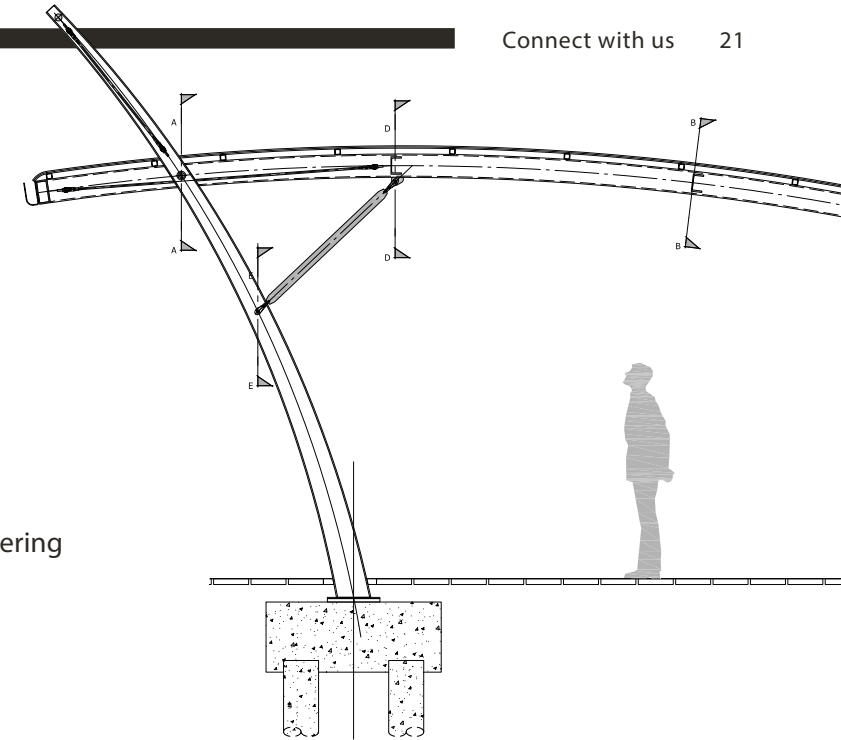
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Top Left Bonhill Building with Tetris Projects Above Wimbledon Village project LDB Construction

Above Choumert House with Darren Oldfield Architects



PHOTO CREDITS

Page	Position on page	Project	Architect/Client	Photographer
2	Full Page	Holmdale Road	Clarke Penman Architecture	Clarke Penman Architecture
4	Bottom page	National Apprenticeship Awards	Government UK	Blue Engineering
7	Top left	Wimbledon Village	LDB Construction UK Ltd	LDB Construction UK Ltd
	Bottom	Crown Hill	The Haywood Group	The Haywood Group*
10	Top	Grand Drive	Design Squared Ltd	Chris Snook
	Bottom	Space Shifters	Hayward Gallery	Mark Blower
11	Top	Chapter Street	FS Contracting Ltd	Barratt Homes*
	Bottom left	Kings Avenue	Nicholas Szczepaniak Architects	Blue Engineering
	Bottom right	3 Planes	Studio McW	Marcus Peel
17	Full page	Covent Garden Penthouse	Studio Ulanowski and Joseph Waller Fabrications	Michelle Young
18	Full page	Roominaroom	Atmos Studio	Alex Haw
19	Top right	The Mobile Orchard	Atmos Studio	Johnathan Perugia
20	Top Left	Bonhill Building	Tetris Projects	
	Bottom page	Wimbledon Village	LDB Construction UK Ltd	LDB Construction UK Ltd*
21	Bottom	Choumert House	Darren Oldfield Architects	Guy Lockwood

Blue Engineering is a highly efficient, well organised company and their attention to detail is always of a high standard – clients have consistently reported that their experience dealing with them has been a positive one.

Nicholas Stockley, Managing Director
Design Square Ltd

*Project photographers who have not been individually cited, please contact if relevant details can be provided for credit.



