Fencing & Timber Buildings

A NATURAL LEARNING ENVIRONMENT

www.eco-classrooms.wales
The octagon gazebo classroom has proved to be an ideal product for schools.

Using all our years of experience in the manufacture and construction of timber products, we have now developed a bespoke Eco Classroom aimed at providing a natural learning environment for 21st century schools.

COMPANY HISTORY

The P&A Group is a family business with roots going back five generations in the timber industry. Originally from Scotland the family relocated to Wales 30 years ago and continue to manufacture a wide range of timber products and install timber buildings across the country.

FOREST STEWARDSHIP COUNCIL

Being an FSC Certificate holder is very important to P&A and means our products are made from responsibly sourced timber showing our commitment to the environment and to obtaining products from FSC sources where the World's Forests are managed responsibly.

FSC provides the much needed connection between the forest and the end user, ensuring that products with the FSC label uphold the highest social and environmental benefits. Using raw materials from sustainable sources P&A is proud of the way that it minimises its environmental impact.
The P&A Fencing & Timber Buildings are part of the P&A Group of Companies, an award-winning, family-run Welsh business with a longstanding timber heritage.

P&A are proud to have worked with schools and local authorities over a number of years, providing a range of timber buildings, log cabins and gazebos — plus our very popular Octagon Outdoor Classroom, designed specifically for schools and built by our experienced installation team.

In addition, P&A specialise in school railings as well as both steel and timber fencing.

We can plan and manage your project from start to finish. Our Fencing & Timber Buildings Technical Manager John Vaughan will happily answer your questions and talk you through the process.

Call John on 01352 752555 or e-mail john@p-a-group.com
Developed for schools the Octagon Outdoor Classroom has been specifically designed for Foundation Phase teaching, which requires pupils to leave the classroom to take part in outdoor learning.

With seating capacity to accommodate full classes, this timber gazebo makes an ideal base for outdoor lessons as well as a place for pupils to play, eat and socialise.
**FEATURES**

- 4m & 5m size available
- Pressure Treated-10 year guarantee against rot
- FSC certified with timber sourced from responsibly managed forests
- Eased edged plained timber
- Glulam post for strength and stability
- Perimeter seating/benches included as standard
  - (4m Octagon Seating = 8.75m Lin)
  - (5m Octagon Seating = 13.3m Lin)
- Attractive floor & roof panels as standard
- Robust framing
- Aesthetically pleasing design

**ACCESSORIES / OPTIONS**

- Blinds – choice of colour
- Double height panels as required
- Desks and tables designed to suit
- Access ramps & paths
- Blackboards and shutters
- Fire proofing available

**TESTIMONIAL**

“P&A installed our gazebo/outdoor class area along with some other equipment last year. Since then it has been in almost constant daily use. At break-times pupils use the area as a quiet area and somewhere to read or chat to friends.

During lesson times the gazebo is used for a whole host of activities e.g. drama, circle time, story telling, school council forums etc. The quality of workmanship is high and the assistance/advice provided during planning and installation was very comprehensive. I can recommend this product and company without reservation — it has been money well spent.” - Richard Collett - Mynydd Isa Junior School
QUALITY CONSTRUCTION

The Octagon is built using pressure treated timber, which carries our 10 Year Guarantee Against Rot. Along with sturdy glulam posts, this makes the Octagon extremely durable. It requires minimal maintenance and is suitable for year-round use.

All structural elements have been calculated by independent structural engineers to ensure the safety of the building. (Copy of report available on request). All installations are carried out in compliance with relevant and current Health & Safety legislation and all P&A works are covered by £10m public liability insurance / £5m employers liability insurance.

TECHNICAL SPECIFICATIONS

1. Floor Sub Frame – 90mm x 70mm PAR & Pressure Treated Softwood (PTSW)
2. Floor Ring Beam - 90mm x 70mm PAR & PTSW
3. Posts – 140mm x 140mm PAR & PTSW
4. Pre Assembled Floor Panels (Framing & Cladding) – 85mm x 25mm PAR & PTSW
5. Wall Panels – Rebated and Jointed Surround - 65mm x 50mm PAR & PTSW
   T & G Infill – 50mm x 15mm PAR & PTSW
6. Roof Ring Beam - 90mm x 70mm 90mm x 70mm PAR & PTSW
7. Roof Spars – 150mm x 50mm PAR & PTSW
8. Roof Cross Bracings – 120mm x 50mm PAR & PTSW
The introduction of our bespoke Eco Classrooms service embraces the new approach to learning as shown in the recent Donaldson Report, focusing on pupil’s health and wellbeing, lifelong learning and developing enterprising, creative contributors who will live fulfilling lives as valued members of society.

The demand for high quality, environmentally responsible school buildings is rising. Our Range of ecological timber buildings have been developed in collaborations with individual school head teachers and staff. In line with the Salford University report on environmental impacts, we aim to develop together with our clients, a positive learning environment that will foster positive attainment outcomes for a wide range of learners and abilities.

**BENEFITS**

- Bespoke service - informed design developed in collaboration with school staff and pupils
- A natural environment - a more relaxed approach to learning
- Using environmentally responsible materials - lower carbon footprint
- A Cost effective alternative to traditional buildings
- Efficient EPC rating - lower running costs
- Can be away from Main school building - less stressful and ideal as a chill-out room
- Bespoke design - flexibility tailored to suit individual needs
- Fast installation - pre fabricated off site to minimise disruption at school
- Ideal for in-accessible sites
- Inspirational spaces for learning numeracy, literacy and humanities
- Excellent acoustics for music and performance
FEATURES

- Timber framed building from sustainable sources - using a variety of low energy/energy saving materials
- High specification floor, wall and roof installation meeting current heat loss calculations for Wales (and England)
- Low energy lighting and heating systems
- Light and spacious areas
- Easily adaptable to accommodate different learning experiences

ECO ACCESSORIES / OPTIONS

- Access ramps and stairs
- Rainwater harvesting
- Bio-mass fuelled heating
- Sedum roofing
- Lamb’s wool insulation
- Sun pipes for natural light
- Roof tiles made from recycled materials

WALL SPECIFICATIONS

- 150mm x 50mm framing
- 100mm Lambdatherm insulation
- External and Internal membranes
- Total thickness 280mm
- Choice of exterior and interior cladding options available
A COMPLETE SERVICE

PROJECT STAGES

• Free estimated ball-park costing issued
• Full site survey and client centered design consultation
• Architect plans drawn and submit planning application
• Local authority building control (LABC) Building regulations application
• Delivery and on site installation
• Maintenance and aftercare services

DESIGN

By taking the time to discuss and understand your exact requirements, we can develop the most appropriate eco building to meet the needs of individual schools. We offer LABC approved standard designs which are incorporated into a bespoke Eco Classroom design.

TIMESCALES

We aim to install your eco building within 4-6 weeks of on-site work and with little disruption to your school, business or home. Planning applications are normally processed within 6-8 weeks. Building Control applications follow planning consent and will take a further 6-8 weeks.

FINISH

A variety of external and internal cladding options are available including various timber boarding options, composite boards and conventional plaster board and skim (internal) depending on individual needs/requirements.

Please Note:
Estimated prices include all planning and building regulation applications and associated professional fees. Sub structure base and main build structure, standard electrical, heating and plumbing are also included but prices exclude service connections to existing provisions and exclude floor coverings and furnishings.
TIMBER BUILDINGS

GARDEN ROOMS & HOME OFFICE

Timber Buildings

We design and build a variety of eco timber buildings and products for homes, businesses as well as schools.

Our eco timber buildings can provide an ideal place to relax or enjoy recreational activities. Designs can be tailored and we offer a variety of different sizes so you can choose what best suits your family’s needs.

Our eco buildings are built to the highest quality and are finished to complement the natural surroundings.

FEATURES

• Maximise the available space at home for a family retreat or entertaining space
• Home Office - a sustainable eco-friendly building to suit your environmental business objectives.
• Working in a natural environment promotes a healthier lifestyle

ACCESSORIES / OPTIONS

• Heating/power/lighting
• Toilet facilities
• Kitchen
• Access ramps
• Rainwater harvesting
• Biomass Fuel Heating
TIMBER BUILDINGS

SHEDS & OUTDOOR STORAGE

With the developing focus on outdoor learning there is a need for enhanced outdoor storage.

- Quality timber sheds
- Wide variety available
- Bespoke safe and secure storage solutions

BESPOKE TIMBER SHELTERS

Bespoke shelters and lean-to covered areas are ideal in any weather.

- Bespoke design
- Giving access to outdoor areas
- DDA features for disabled access
We can supply and install a wide range of steel and timber fencing suitable for schools or commercial premises, from timber post & rail closed-board fencing to decorative bow-top panels. We can also supply railings, chain-link fencing and commercial security fencing.

Our fencing customers include Flintshire County Council, Wrexham County Borough Council and other councils across Wales.

- Quality fencing products
- Installed by professionals
- Range of steel or timber fencing available
OTHER SERVICES

RAMPS, PATHS, APPROACHES AND TRIM TRAILS

MAKING THE MOST OF YOUR ECO CLASSROOM

We can also offer a range of services including the design and installation of ramps, paths, approaches and even trim trails to enhance the surrounding area of the eco classroom.

- Ramps and decking
- Trim trails and natural features
- Paths and approaches

QUALITY TIMBER PRODUCTS
P&A continue to support the community and the chosen charity for 2016 is Meningitis Now.

Steve Morgan - MD, John Vaughan- Landscaping Manager and Andrew Baker- Finance Director completed the Greater Manchester Marathon in April successfully raising money as well as awareness of the charity.

We have a calendar of events and the next big event will be the Iron Man Poland coming up in August.

We are aiming to raise £5,000 for Meningitis Now in memory of one of our team who worked here at P&A.

Please help us fundraise by visiting:

www.justgiving.com/PandAGroup-and-Zest4Leisure-MeningitisNow