

Anne Thorne Architects Partnership

ATAP has an ecological approach to design for community, residential buildings and urban environments. In our work we look for healthy and environmentally sound solutions to building design and materials specification.

Completed projects include low energy designs for new-build housing, extensions and refurbishment, pedestrian and cycle priority traffic interchange design and wind-powered public space sculpture.

We incorporate low embodied-energy materials and construction, organic finishes, non-chemical timber treatments, low electromagnetic radiation, use of native timber species and FSC certified timber sources.

We achieve affordable warmth objectives through high insulation values within current cost indicators for social housing.

Our expertise lies in working to programme with the end user to develop architecture which is sustainable and environment friendly, to fit your budget now and in the future.

We bring to projects an approach which takes into account the diverse community; in particular, people from minority ethnic groups, people with disabilities and women's perceptions and requirements, working with artists and with the client to create buildings with a richness which goes beyond surface appearance.

Urban Interventions

Equalities Supplementary planning guidance for the GLA –scoping study
Communities facilities assessment -SKNDC
Aldgate Subways replanning, urban analysis and implementation
Signage Strategy for LB Tower Hamlets
Promoting Sunday Markets –Cityside Regen.
Green Street streetscape -LB Newham

Schools and Nurseries

Banghabandhu School -LB Tower Hamlets
Burbage School -Hackney
Holmewood Nursery -LB Lambeth
Coningham Nursery -LB H'smith & Fulham
Brockwell one O'clock Club -LB Lambeth
St Martins Nursery -St Martins Partnership
Granville Plus 40 place nursery -SKNDC

Community Projects

Concordia Community Centre -Mile End
Respite Care home for NCH -Tooting
Jagonari Asian Womens Educational and Resource building -Whitechapel E1
Limehouse Project Community Centre
Environmental Resource Centre - E1
Tree of Life Wind Turbine -Portsmouth

Estate Regeneration Projects

Holles and Warwick House, – Angell Town Estate Remodelling/New build -LB Lambeth
Newbuild for Stonebridge Housing Action Trust -Stonebridge Estate
Wiltshire Rd - Metropolitan Housing Trust
Thorlands Estate - LB Lambeth
Estate Halls Bethnal Green Cityside
Regeneration -Bethnal Green

Other Housing

Grosvenor Terrace Three blocks of six two person flats for SELCHA -Southwark
58 Knowsley Road - new build private client
Mill Fleam - new house private client

Historic Buildings

Grade 1 Listed projects:
3 The Grove
Grade 2 Listed projects:
Davenant Community Centre
Rosslyn chapel Cottages
Nos 18,19 and 20 Church Row

Professional Memberships

Architects Registration Board (ARB)
London Equal Opportunities Federation (LEOF)
Womens Design Service (WDS)
Women in Manual Trades (WMT)
Association of Environmentally Conscious Builders (AECB)

Awards

Royal Society of Art - Art and Architecture Award for Aldgate Subways Project.
Europe 2000 –discover contemporary architecture London Paris Athens-Website.
Citation - RIBA 2001 Housing Award
First prize - National Homebuilders 1999 Award
Civic Society 2000 Award

Competitions

Walthamstow Market Regeneration
Newham Brooks competition

at ANNE THORNE ARCHITECTS PARTNERSHIP

angell town lambeth

Anne Thorne Architects Partnership is one of five architectural practices working with residents to develop proposals at Angell Town, Brixton, which is now being transformed by an estate action programme.

Appointed to this Estate Management Scheme to work on the major face of the estate, to transform the appearance and change people's perception of the estate, ATAP have taken a sustainable approach to both refurbishment and new build.

Sustainability and Consultation

Residents in Holles and Warwick houses are keen to see a very different looking Angell Town and have been enthusiastic to embrace sustainable principles for the refurbishment and new build flats.

ATAP sees the consultative process as a creative one, which can enrich and deepen the final outcome. ATAP worked closely with groups from Holles and Warwick, to identify problems and develop proposals.

ATAP's approach is holistic and embraces practical day to day experiences as well as taking into account wider environmental issues.

The residents and landlord of Holles House have gained from reduced energy bills and the use of durable and environment friendly materials, while the use of ecological paints in Warwick New Build will create a more healthy internal environment. Residents will also pay less for water through the installation of a rainwater harvesting tank, and electrical energy will be supplied from a photovoltaic installation which forms part of a new metal roofing product.

Timber sourced from sustainably managed forests approved by Forest Stewardship Council is currently being used by both contractors. Sandwood Construction have the distinction of being the second contractors in the UK to have obtained FSC chain of custody. Furthermore, high performance timber windows by Rational are used throughout.

Breathing wall construction used for the timber frame walls allow for high levels of insulation and excellent air tightness of the building. Cellulose insulation is sprayed into place and can fill up each hole or space precisely making it an immensely flexible insulation material.

Sustainable services include condensing boilers, passive stack ventilation and low-energy light fittings.

The landscape design also contributes to increasing biodiversity, while also improving security and privacy. A pleached lime hedge has proved to be very successful at Holles House and will continue along the edge of Max Roach Park.

Anne Thorne Architects Partnership working with:
Environmental Design - Studio Engleback
Quantity Surveyors - Andrew Turner & Co,
Service Engineers - Mendick Waring
Structural Engineers - Dewhurst Macfarlane





Holles and Warwick House Refurbishment, Both buildings have been refurbished to provide 68 one bed flats, and 1 two bed flat.

Key problems identified with residents were poor security through lack of overlooked spaces, dangerous individual blind staircases from walkway to the first floor flats, and cold and draughty flats with condensation problems.

Bedsits were converted into one bed flats and staircases which were causing serious security problems removed. An entryphone

system and security gates have been installed at pedway level. The new arrangement allows for kitchens to overlook the pedway which originally had no 'eyes' onto it.

The entire building fabric was insulated in a variety of different ways including use of cellulose insulation, a recycled newspaper treated with Boron to give fire protection. Cold bridging of the old concrete structure has been reduced by external strip insulation. Furthermore, low emissivity double glazed timber windows with a whole widow U-value of 1.6 have been installed throughout.

A year long monitoring post evaluation to the refurbishment projects demonstrated that the work has reduced energy consumption and fuel bills by 50%, and significantly improved levels of comfort.

Throughout the designs, environmentally friendly paints and finishes have been used, and draughty steel panels were replaced with douglas fir clad breathing wall panels.

Contractor: Higgins Construction.
Contract Completion:
Holles House - 2002
Warwick Refurbishment - October 2004



Sustainable Design Features

Use of Recycled materials promoting a sustainable approach to reuseage.

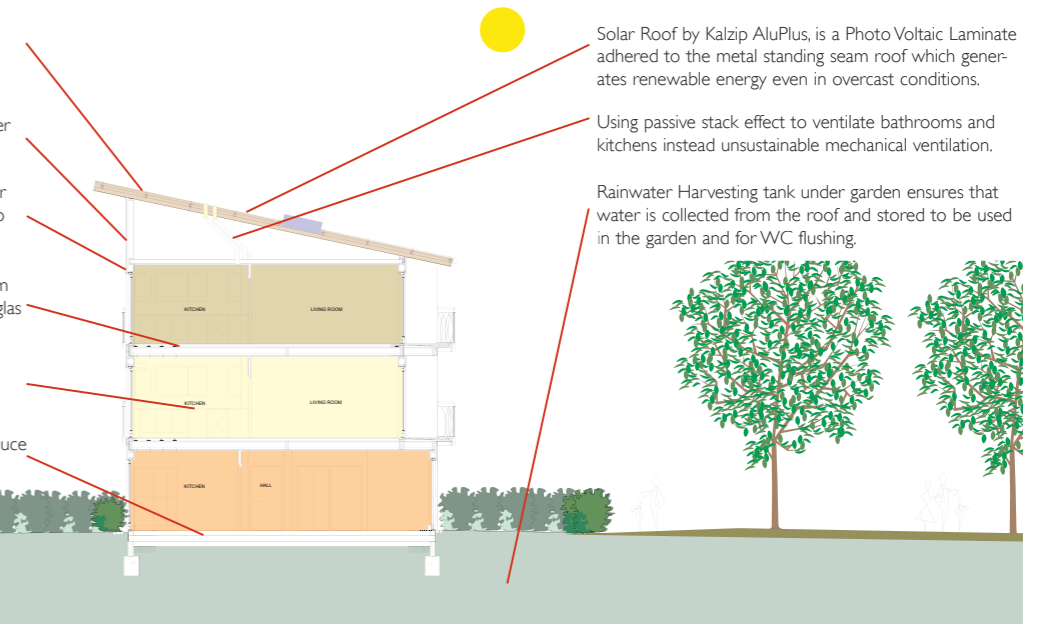
Use of Ecological non-toxic paints providing a healthier and safer environment for tenants to live in.

Wall cassette panels with 150mm recycled newspaper insulation to timber frame with Douglas fir cladding to allow for a 'Breathable wall' construction.

Floor cassette panels with 245mm Kerto Timber beam filled in with recycled newspaper insulation with Douglas fir Timber Floating floor.

Water saving fittings such as spray taps and Low-flush WC's, which encourage less water to be used.

150mm floor insulation at ground floor which will reduce heat loss.



Solar Roof by Kalzip AluPlus, is a Photo Voltaic Laminate adhered to the metal standing seam roof which generates renewable energy even in overcast conditions.

Using passive stack effect to ventilate bathrooms and kitchens instead unsustainable mechanical ventilation.

Rainwater: Harvesting tank under garden ensures that water is collected from the roof and stored to be used in the garden and for WC flushing.

Warwick New Build Flats

The New Build scheme will provide 18 flats, including 3 three bed flats, 3 two bed flats and 12 one bed flats. Four of the ground floor flats are designed with accessibility as a priority, they include 3 three bed flats.

All flats are constructed of breathing wall prefabricated timber panels with recycled cellulose fibre insulation, and tile cladding. Environment friendly materials and recycled products have been specified. Aim is to achieve 70% FSC timber certification through -out, and an 'excellent' Ecohomes-rating.

Orientation:

Living and bed rooms are south facing, and balconies are designed to maximise solar gain in winter, while screening south facing rooms from the sun in summer. Kitchens face north with attractive views over Max Roach Park. In order to maximise daylighting, the kitchens and living rooms are divided with glazed double doors.

Harvesting rainwater:

Grant funding enables rainwater to be recycled to flush w.c's, which reduces water consumption by a 1/3, and lowers bills.

Photo voltaic energy:

The scheme pilots a new photovoltaic roof designed by Solar Century with Corus metal roofing. A thin film is applied to the standing seam roof, and generates electricity which will be sold on at a lower tariff.

New Community Garden

The new garden, which is overlooked by Peckford Place as well as the New Warwick house, will provide a simple sitting place with pergola and native species planting.

Contractor: Sandwood Construction.
Contract completion: 2005