



March 2013

Dear Sir,

Re: Design & Access Statement for a light weight swimming pool enclosure for the existing outdoor pool at White Meadows Primary School, Whitelea Road, Littlehampton, West Sussex BN17 7JL

The enclosure will be free standing around the existing 14.3m x 7.35m pool. The size of the enclosure is 21.54m x 11.5m.

Swimming pools are expensive and valuable assets, it makes sense to enable them to be used throughout the year instead of leaving them idle for at least nine months of the year.

The persuasive arguments to enclose a pool include the reduction in the cost of heating, cleaning, chemical and general maintenance. A pool building will drastically reduce heating costs by retaining pool water heat. Even on dull days solar gain through the roof will provide free heat to the interior

. Very importantly a pool building will-

- Take control of the weather – wind, rain and cold.
- Guarantee the pools daily timetable.
- There will be no cancellations due to bad weather.

Allow the school to schedule the swimming curriculum over the entire school year instead of trying to complete the curriculum in only a few months of the year.

Allow year round swimming with other schools in the area, local community groups will now be able to use the facility outside of school use

The new structure has 'lightness of impact' as opposed to a conventional brick and mortar building and the cost of this type of enclosure is in the order of 30% of that of a brick built structure.

The safety aspect of being able to see into the building from the outside is considered important.

A conventional brick and mortar building will obliterate any view beyond in any direction, whereas the view is unobstructed in a polycarbonate enclosure, as can be seen from the attached brochure.

There is a lower financial investment. The enclosure cost is less than 25% of that of a brick and mortar building and takes less time to install.

ARCH ENCLOSURES LIMITED, REGISTERED IN ENGLAND NO. 7656970
P.O.BOX 425, HAYWARDS HEATH, WEST SUSSEX, RH16 2YR, ENGLAND
Telephone: 00 44 (0) 1444.411 411 Fax: 00 44 (0) 1444.411 376
WEB SITE: www.archenclosures.co.uk



A feature of an Arch enclosure is the special side panel between the arches which are sliding windows. These windows give you **three opening and ventilation options**; fully open 2m x 2m, half open 2m x 1m or a ventilation slot (in the middle) of 10cm x 2m wide. (See attached photographs - windows)

The windows are made up in two sections. This allows the top half to be opened separately to assist ventilation whilst keeping the lower half in situ to ensure that any "unwanted guests" are kept away from the water. When both sections of the side panels are opened up, they slide open to a height of 2 meters, allowing easy access to through the sides to the surrounding areas, whilst still protecting the pool from direct sunlight. In addition to the security entrance door in the enclosure, these sliding windows being 2 meters wide also suitable for disabled and wheelchair access.

Many schools and community pools around the country have benefited from this type of enclosure which is Sport England approved.

The materials of the structure have all tried and tested to withstand the harsh environment of a swimming pool.

Aluminium

High Strength Aluminium - Quality 6063 – T5 (BS1474).

Powder coated aluminium in a choice of White, Dark Green, Cream or Brown.

Stainless Steel

Quality 316 2L

Maintenance free.

Walling and roofing - Makrolife[®] - UV coated

Beyer resin flat polycarbonate sheet offers a superior glazing solution, particularly when safety and

impact resistance is of vital importance. The criteria for safe, attractive and practical glazing in sporting facilities, schools, hospitals and shopping malls are easily met through the use of Polycarbonate.

UV protection

Walling and roof panels have a high performance UV absorption layer co-extruded on both surfaces which prevents damaging UV radiation from penetrating the sheet. UV protection means longer life, preventing yellowing, and loss of strength. It cuts out 98% of harmful UV radiation, protecting those relaxing, playing or working beneath it

Properties

Light transmission DIN 5036, T.3 Clear 88%

Weight is half that of the equivalent sheet of glass.

Makrolife[®] Density 1.20g/cm^3 Glass Density 2.50g/cm^3

Fire Performance BS476 : Pt7 : 1987 Value 1Y

U Values Multiwall roofing 10mm = 2.5, 16mm = 2.0, 20mm = 1.8.

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Thermal transmittance - U Value. Std solid plate = 0.21 W/mK. DIN 52612
Polycarbonate sheet is self extinguishing and rated class1 for surface spread of flame.
Roofing Material - Twin, Triple and five wall Polycarbonate Sheets conforming to BS 476 part 7 - Class 1 spread of flames of UK Building Regulations.

Safety

With impact resistance up to 300 x times stronger than glass, polycarbonate remains virtually unbreakable.

Both access doors are security doors and are C/E rated

Economy

Resistance to breakage reduces the building's maintenance costs and in addition polycarbonate helps reduce energy costs through its superior thermal properties over glass.

Durability

Beyer resin polycarbonate has an excellent resistance to weather and atmospheric conditions and offers a 10 year warranty against yellowing for continued performance in prolonged outdoor exposure. All the Beyer polycarbonate is manufactured by complying with international quality standards certified to BS EN ISO 9002.

Maintenance

The time and cost of maintenance of the enclosure is minimal.

High pressure water jet alone is usually enough for both interior and exterior.
For grease stains - lukewarm water with mild detergent, lightly sponge with cotton wool.
Rinse with clean water. Apply WD40 to locks.

The company's brochure and a few photographs of similar installations illustrating what the enclosure will look like are included.

There is no change to the existing vehicle access to the pool building.

The new structure will have no impact on the surrounding properties.

All planting as it now exists, will not change.

Should you require further information please telephone us on 01444 411 411

Yours sincerely,



Estelle Michaels,
Director

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