



is time last year I visabout Pond Meadow (Works February 13, 2009), a really terrific school for children with special ing from different sources put pay needs designed by DSDHA for a to that idea. site on the town's residential edge.

the time of my visit. ondary school that had formerly its own. The school's previous post-war campus, generously pro-vided with green space but which latterly had been ringed by a secu-stable block. rity fence in response to a string of arson attacks. This intervention of the schools as compact as poshad an inevitably damaging effect sible makes sense both as a means introduced a large no-go zone at ensuring the most environmensought to serve.

presented by the earlier campus. The practice even investigated the possibility of uniting the two schools in a single structure, but the fact that they drew their fund-

What it ended up with was While a stand-alone facility, it was therefore two buildings stood side conceived as one part of an ensem-ble, the other major component of nounced disabilities of its stuwhich was nearing completion at dents, Pond Meadow was designed as a single-storey struc-This is the new home of Christ's ture, punctuated by internal court-College, a Church of England sec- yards and animated by a restless roofline. Its neighbour is finished occupied the entirety of the site on in the same hard, beetroot-hued German brick but is a three-storey accommodation was a dispersed building of tauter profile and grander bearing - a country house, perhaps, to Pond Meadow's

The decision to keep the plans on the school's self-image and also of minimising build costs and of particular, it has given them a The two buildings maintain a the heart of the community that it tally efficient envelope. It also school that lies to the south of the trees that have been planted ensures that in spite of the site now DSDHA's site. The days when around them have matured, they In drawing up the masterplan accommodating two institutions or unaving up the masterpair accommonating own insulations for the site's redevelopment, none, plenty of green properties of the site's redevelopment, none, plenty of green properties of the site's redevelopment, none, plenty of green properties of the site's redevelopment, none, plenty of green properties of the site's redevelopment, none, plenty of green properties of the site of the s tionship with the surrounding set to either side - allowing resi- are thankfully now gone. housing - a task it approached by dents who live to the north a far dents who live to the north a far If there is a disappointment, it stronger connection to their is that this concession to commu-wider world by many hundreds of



younger children would habitually

proposing a much more compact stronger connection to their building envelope than had been immediate neighbourhood. In nity access is not pursued further. wider world by mind metres of fencing.

city, to attain a sense of the civic. more direct link to the primary powerful visual dialogue and once will communicate a still stronger remains that the buildings are set ity and sobriety of their construc-

A revealing point of comparison mand such an expansive territory is offered by Peter Märkli's Im One could not mistake these build-Birch school in the Zurich suburb ings for offices, housing or any of Oerlikon. It too is conceived as commercial use: they are, in the an ensemble of free-standing most positive sense, institutional. buildings but the interweaving

automated security shutters over

strategy might be adopted in this

country or am I naive to imagine

that the social pressures faced by a

school in a well-to-do Swiss sub-

urb might be remotely compara-ble to those with which a school in

surely a question worth asking as the two examples present a funda-mentally different relationship

While they share a material play areas are made publicly acces-sible through the integration of schools are articulated in markedly contrasting ways. On Pond every window, thus obviating the need for a perimeter fence. Is it minium windows are set flush

really unthinkable that such a with the outer face of the wall, **Deborah Saunt** likens Christ's College to a urban Britain has to contend? It is 17th century hôtel particulier

between school and community maintaining a tautness that is and it is a difference felt in the projinterrupted only at the entrance ects' ability to speak to the wider and at the building's end condiity, to attain a sense of the civic.
Indeed the dominance of the altogether more chiselled appearfences at Guildford is all the more ance. Its windows are recessed by frustrating because DSDHA's 300mm — the length of one of the buildings go a long way towards unusually formatted bricks that meeting that goal, perhaps further have been employed on both than any school built recently in the UK. One senses it in the solid-select few openings has been further dramatised by the use of a tion, in their scale - Christ's Col- heavily splayed reveal to one side. lege is particularly monumental — The wall's thickness has also been and in the way that the they com- articulated in a manner that >



ORKS: DSDHA



NORTH-SOUTH SECTION



hôtel particulier, a type that characteristically married a highly Hôtel de Beauvais," she explains, street through to a low entrance description.

much of the principal elevation. before we are suddenly released

skylights. Although DSDHA fact that the high level of visual terms this space the atrium, that communication allows the space lends the fabric a robustness description conjures a more cor- to be monitored effectively by staff. that the school will surely door colour

SECOND FLOOR PLAN Sports hall

FIRST FLOOR PLAN

GROUND FLOOR PLAN

2 Sports hall 3 Atrium 4 Theatre

5 Library

2 Sports hall 3 Atrium 4 Theatre 5 Courtyard 6 Music room

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cation if needed.

goes unnoticed. Meanwhile a double-height theatre lies alongside ings in its perimeter wall.

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above the theatre is an enclosed very much the "idealised retreat" of Saunt's Parisian imaginings.

The external walls have a brick outer leaf. Instead of using conventional grilles some of the perpends have is brought in through a

window cill. The 290mm x 90 x 50mm bricks have been laid in varying coursing patterns and with deeper raked perpends at low level to break up the scale of the elevation. Rather than a repetitive industrialised effect the brickwork has been detailed with a sense of craft. Detail drawing by Graham Bizley

IN DETAIL

CHRIST'S COLLEGE SCHOOL GUILDFORD



Christ's College secondary school replaces a series of 1960s structures with a single three-storey building. Classrooms are arranged around the perimeter with views out to the Surrey hills. An innovative ventilation and heating system has been integrated into the facade giving each classroom local

environmental control. Fresh air is delivered to each classroom via its own heat recovery and ventilation unit concealed in a cabinet under a window. The unit contains two fans, one for supply and one for extract and a heat exchanger. Until the room comes up to temperature a damper cuts off the fresh supply and the unit works in recirculation mode with an electric heater battery to heat the air, so no boilers or

radiators are needed. The building has a concrete frame with blockwork infill and concrete floor slabs which have been left exposed. The thermal mass helps store heat and regulate fluctuations in temperature. Once the room is occupied the heat generated by the occupants is sufficient to maintain a steady temperature without using the heater battery. A CO2 sensor on the unit monitors the air so that the CHRV unit only comes on when fresh air is required. In summer the system provides secure night ventilation to cool the structure.

been widened to allow air to pass through to the extract plenum behind. The supply air continuous slot beneath the

Windo

CUT-AWAY SECTION THROUGH WINDOW AND "BREATHING WALL" HEAT RECOVERY SYSTEM

gap between window frame

in-situ.

10mm vinyl or carpet floor finish on tevelting compound. 90mm sand cement screed

on polythene separating 325mm-thick reinforced concrete slab cast in-situ 60mm-wide polyeste and left exposed in some areas on underside.

powder coated (PPC) aluminium window frame with double glazed sealed 3 External wall 200mm fair-faced concret blockwork inner leaf flush with back of columns left 5Window jamb Proprietary insulated cavity closer and DPC.

50mm air gap with

with 10mm joints.

deliberate pattern

stainless steel cavity ties

90mm brick external leaf of 290 x 90 x 50mm bricks resistant MDF panel. laid in pigmented mortan internally to close on Depth of raked vertical joints varies according to a aluminium angles.

6 Window head 337 x 20mm folded aluminium lining with concrete slab above

7 Wall below citt 1,000mm-high x 100r thick reinforced concrete

ventilation ducts. 25mm rigid phenotic insulation fixed to outer face of wall.

8 Citt aluminium oill secret fixed

on aluminium clips 18mm plywood sub-cill. 9 Air intake

Welded stainless steel tray spanning between outer

11 Brickwork and inner leafs of wall to "dovecote" wall. Special brickwork form air intake duct, with drainage holes at low poin nm-high stainless perpends for ventilation steel channels at nominal

air intake slot.

10 Air extract

pavity tray forming bott

top of tray to support cit! brickwork consisting of 50 x CHRV unit. PPC stainless steel insect section tube with PPC nesh and framework fixed eack to channels to cover ront opening. Bed joint reinforcemen mesh welded to too ar

oottom to tie insert into Tenum for air extrac brickwork. eafs open to CHRV uni 12 Heat exchange unit Proprietary polymeric

Integrated clas recovery and ventilation (CHRV) unit. Return air collected at high level and brought to CHRV unit via ductwork

950mm high x 650mm

panel doors with laminate EPDM/neoprene blend seals fixed to frame around removable panels. Internal surfaces of encasement lined with 33mm acoustic insulation

Continuous slot for supply of air at bottom below from

from 50 x 25mm and 25 x

25mm MDF worktop with

off wall on 50 x 50mm

rectangular hollow

only becomes apparent as we draw close to it. Immediately below each classroom window, we find a zone of brickwork within which randomly selected perpends have been widened and left without mortar. This scattergun of openings enables air to be introduced to each classroom by way of its own heat recovery and ventilation unit (See In Detail, opposite) while maintaining a sense of the wall's mass in a way that no applied lou-

DSDHA's Deborah Saunt likens Christ's College to a 17th century formal external expression to a surprisingly animated internal arrangement. "A building like the brings the visitor from the public archway into a courtyard and then via a grand staircase up to a series of spaces with varying degrees of privacy, and with the promise of a nature, offering an idealised retreat with a simple view of the sky." While the horses and carriages may be absent, the spatial

We enter by way of a lowour reading of the building's mass.

roof terrace - a fragment of The signage is designed by Büro International porate image than is suggested by the room itself. Its walls and ceil- a steel structure, Christ's College ing are faced in softwood and is a concrete framed building - a sequence offered by Christ's Col- where openings are made, they are choice that is baldly articulated damental logic is immediately lege closely corresponds to this scaled so as to maintain a sense of throughout the plasterboard-free apparent. On each level its foot- and sited so as to benefit from corridors by way of glazed openthis surface as an enveloping lininterior. The walls of the classing. Indeed, the relationship rooms are in blockwork; those of classrooms, loaded to one side of arrangement could hardly be ceilinged recess that extends along between the atrium and the corrithe stair cores, in-situ concrete. As a continuous corridor. Staircases more adaptable. If a department dors that encircle it is gauged with with the boarding used in the are sited at the corners and termi-expands or contracts all that is roof terrace, access to which is Its recessed face — within which the doors are set — is fully glazed, acoustic implications of the In fact, pretty much the only presence registering externally door colour although the blocka gesture that literally undercuts arrangement - the atrium is painted surfaces are the classroom where the students eat lunch — the doors, the departmentally coded If a department Our sense of spatial compression is maintained by a narrow lobby is maintained by a narrow lobby and openings should be glazed. regular DSDHA collaborator DSDHA resisted that idea and has Oliver Klimpel, of the graphic tinto a triple height room — the equivalent of the hôtel's courtyard the acoustic insulation behind the which extends up to a series of softwood boarding but also to the of as-found materials has strong



Although the plan harbours of unusual height. moments of real surprise, its fun-

expands all that is likely through the provision of windows

work partitions can be stripped ing a view only of the sky, this is out without any structural impli-

Caught within this frame of cel- Some students may take it to be an lular accommodation are the colideal place to dream of their immilective spaces, the presence of nent escape from Guildford, and which — in keeping with the hôtel particulier model — is concealed fantastically impressive campus, from outside view. The sports hall DSDHA has hopefully persuaded has been tucked to the rear where a fair few of them that it is a place its minimally fenestrated bulk worth investing their hearts in.

The art and science rooms are the atrium, a top-lit space which somewhat larger than the others lends light to the encompassing Finally, lodged immediately