

The Architects' JOURNAL for AUGUST 13, 1959

THE ARCHITECTS' JOURNAL



standard contents

every issue does not necessarily contain
all these contents, but they are
the regular features which
continually recur

NEWS and COMMENT

Astragal's Notes and Topics

Letters

News

Diary

Criticism

TECHNICAL SECTION

Information Sheets

Information Centre

Current Technique

Working Details

Questions and Answers

Prices

The Industry

CURRENT BUILDING

Major Buildings described:

Details of Planning, Construction,

Finishes and Costs

Buildings in the News

Building Costs Analysed

Architectural Appointments

Wanted and Vacant

No. 3356]

[Vol. 130

THE ARCHITECTURAL PRESS

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★ A glossary of abbreviations of Government Departments and Societies and Committees of all kinds, together with their full address and telephone numbers. The glossary is published in two parts—A to I one week, II to Z the next. In all cases where the town is not mentioned the word LONDON is implicit in the address.

| | | |
|--------|---|----------------------|
| AA | Architectural Association, 34/6, Bedford Square, W.C.1. | Museum 0974 |
| AAI | Association of Art Institutions. Secy.: W. L. Stevenson, College of Art, Hope Street, Liverpool 1. | Royal 1826 |
| ABS | Architects' Benevolent Society. 66, Portland Place, W.1. | Langham 5533 |
| ABT | Association of Building Technicians. 1, Ashley Place, S.W.1. | Victoria 0447-8 |
| ACGB | Arts Council of Great Britain. 4, St. James's Square, S.W.1. | Whitehall 9737 |
| ADA | Aluminium Development Association. 33, Grosvenor Street, W.1. | Mayfair 7501/8 |
| ARCUK | Architects' Registration Council. 68, Portland Place, W.1. | Langham 5861 |
| BAE | Board of Architectural Education. 66, Portland Place, W.1. | Langham 5721 |
| BC | Building Centre, 26, Store Street, Tottenham Court Road, W.C.1. | Museum 5400 |
| BCC | British Colour Council. 13, Portland Square, W.1. | Welbeck 4185 |
| BCCF | British Cast Concrete Federation. 105, Uxbridge Road, Ealing, W.5. | Ealing 9621 |
| BCIRA | British Cast Iron Research Association. Alvechurch, Birmingham. | Redditch 716 |
| BDA | British Door Association. 10, The Boltons, S.W.10. | Fremantle 8494 |
| BE | Building Exhibition. 11, Manchester Square, W.1. | Hunter 1951 |
| BEDA | British Electrical Development Association, 2, Savoy Hill, W.C.2. | Temple Bar 9434 |
| BIA | British Ironfounders' Association. 145, Vincent Street, Glasgow, C.2. | Glasgow Central 2891 |
| BID | Building Industries Distributors. 52, High Holborn, W.C.1. | Chancery 7772 |
| BINC | Building Industries National Council. 11, Weymouth Street, W.1. | Langham 2785 |
| BOT | Board of Trade. Whitehall Gardens, Horseguards Avenue, Whitehall, S.W.1. | Trafalgar 8855 |
| BRS | Building Research Station. Bucknalls Lane, Watford. | Garston 4040 |
| BSA | Building Societies Association. 14, Park Street, W.1. | Mayfair 0515 |
| BSI | British Standards Institution. British Standards House, 2, Park St., W.1. | Mayfair 9000 |
| CABAS | City and Borough Architects Society. C/o S. A. G. Cook, A.R.I.B.A., Borough Architect and Director of Housing, Town Hall, High Holborn, W.C.1. | Holborn 3411 |
| CAS | County Architects' Society. C/o S. Vincent Goodman, F.R.I.B.A., Shire Hall, Bedford. | Bedford 67444 |
| CCA | Cement and Concrete Association. 52, Grosvenor Gardens, S.W.1. | Belgravia 6661 |
| CDA | Copper Development Association. 55, South Audley Street, W.1. | Grosvenor 8811 |
| COID | Council of Industrial Design. 28, Haymarket, S.W.1. | Trafalgar 8000 |
| CPRE | Council for the Preservation of Rural England. 4, Hobart Place, S.W.1. | Sloane 4280 |
| CUC | Coal Utilization Council. 3, Upper Belgrave Street, S.W.1. | Sloane 9116 |
| CVE | Council for Visual Education. 13, Suffolk Street, Haymarket, S.W.1. | Reading 72255 |
| DIA | Design and Industries Association. 13, Suffolk Street, S.W.1. | Whitehall 0540 |
| EIMA | English Joinery Manufacturers' Association (Incorporated). Sackville House, 40, Piccadilly, W.1. | Regent 4448 |
| EPNS | English Place-Name Society. 7, Selwyn Gardens, Cambridge. | |
| FAS | Faculty of Architects and Surveyors. 68, Gloucester Place, W.1. | Welbeck 9966 |
| FASS | Federation of Associations of Specialists and Sub-Contractors, 14, Bryanston Street, W.1. | Welbeck 1781 |
| FBBDO | Fibre Building Board Development Organization Ltd. (Fidor), Stafford House, Norfolk Street, W.C.2. | Covent Garden 3008 |
| FBI | Federation of British Industries. 21, Tothill Street, S.W.1. | Whitehall 6711 |
| FC | Forestry Commission. 25, Savile Row, W.1. | Regent 0221 |
| FCMI | Federation of Coated Macadam Industries. 37, Chester Square, S.W.1. | Sloane 1002 |
| FDMA | The Flush Door Manufacturers Association Ltd. Trowell, Nottingham. | Ilkeston 623 |
| FLD | Friends of the Lake District. Pennington House, nr. Ulverston, Lancs. | Ulverston 201 |
| FMB | Federation of Master Builders. 33, John Street, W.C.1. Tel.: Chancery 7583 (6 lines) | |
| FPC | The Federation of Painting Contractors, St. Stephen's House, S.W.1. | Whitehall 3902 |
| FRHB | Federation of Registered House Builders. 82, New Cavendish Street, W.1. | Langham 4341 |
| GPDA | Gypsum Plasterboard Development Association. 11, Ironmonger Lane, E.C.2. | Monarch 8888 |
| GC | Gas Council. 1, Grosvenor Place, S.W.1. | Sloane 4554 |
| GG | Georgian Group. 2, Chester Street, S.W.1. | Belgravia 3081 |
| HC | Housing Centre. 13, Suffolk Street, Pall Mall, S.W.1. | Whitehall 2881 |
| LAAS | Incorporated Association of Architects and Surveyors. 29, Belgrave Square, S.W.1. | Belgravia 3755 |
| ICA | Institute of Contemporary Arts. 17-18, Dover Street, Piccadilly, W.1. | Grosvenor 6186 |
| ICE | Institution of Civil Engineers. 1, Great George Street, S.W.1. | Whitehall 4577 |
| IEE | Institution of Electrical Engineers. Savoy Place, Victoria Embankment, W.C.2. | Temple Bar 7676 |
| IES | Illuminating Engineering Society. 32, Victoria Street, S.W.1. | Abbey 5215 |
| IGE | Institution of Gas Engineers. 17, Grosvenor Crescent, S.W.1. | Sloane 8266 |
| IHVE | Institution of Heating and Ventilating Engineers. 49, Cadogan Square Sloane 1601/3158 | |
| IIBDID | Incorporated Institute of British Decorators and Interior Designers. 100, Park Street, Grosvenor Square, W.1. | Mayfair 7086 |



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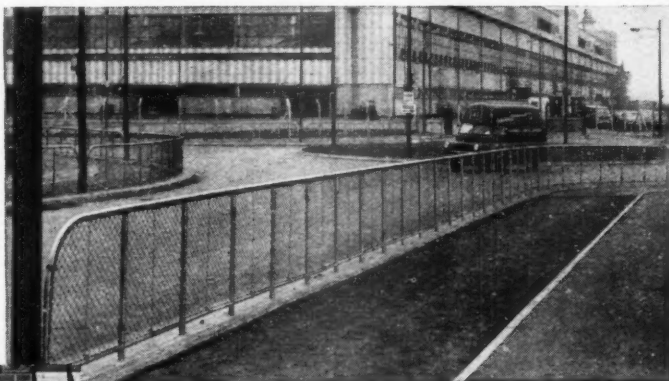
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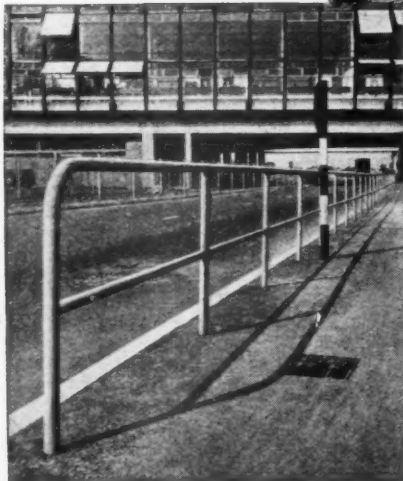
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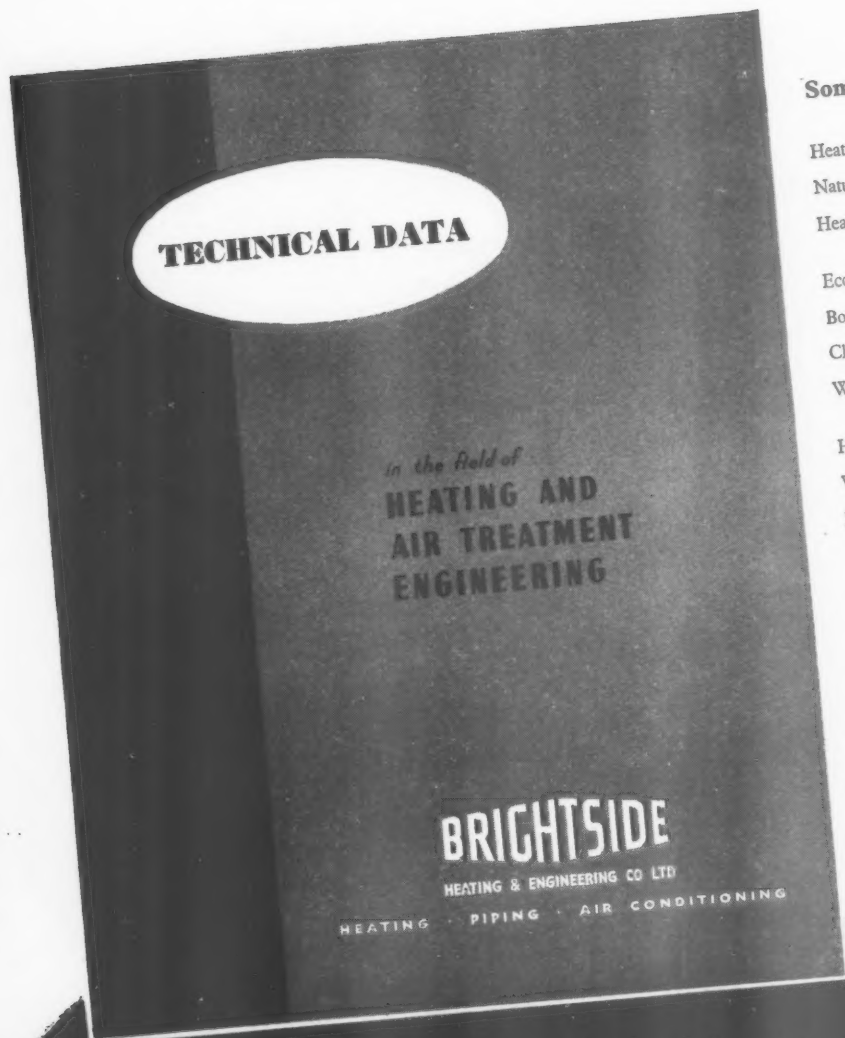
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- Natural air change rates . . .
- Heat requirements of typical buildings . . .
- Economics of building insulation . . .
- Boilerhouse dimensions . . .
- Chimney dimensions . . .
- Water density—Variation with temperature . . .
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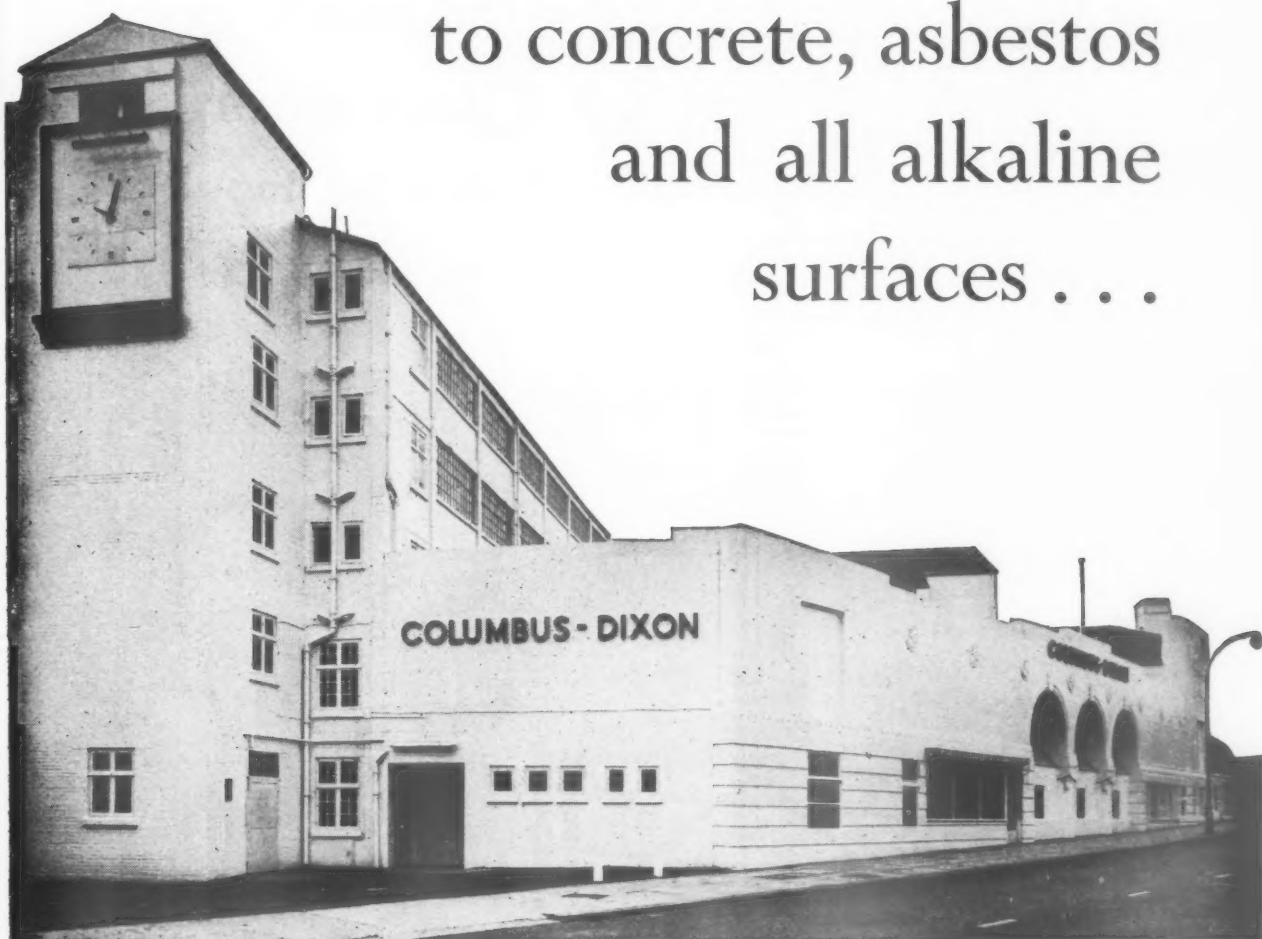


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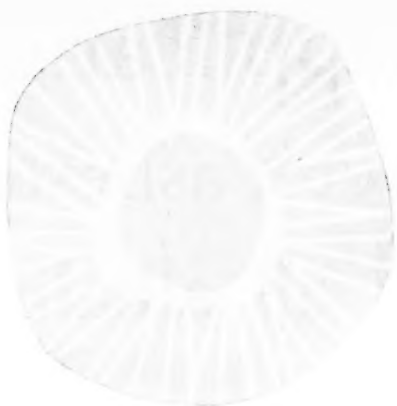
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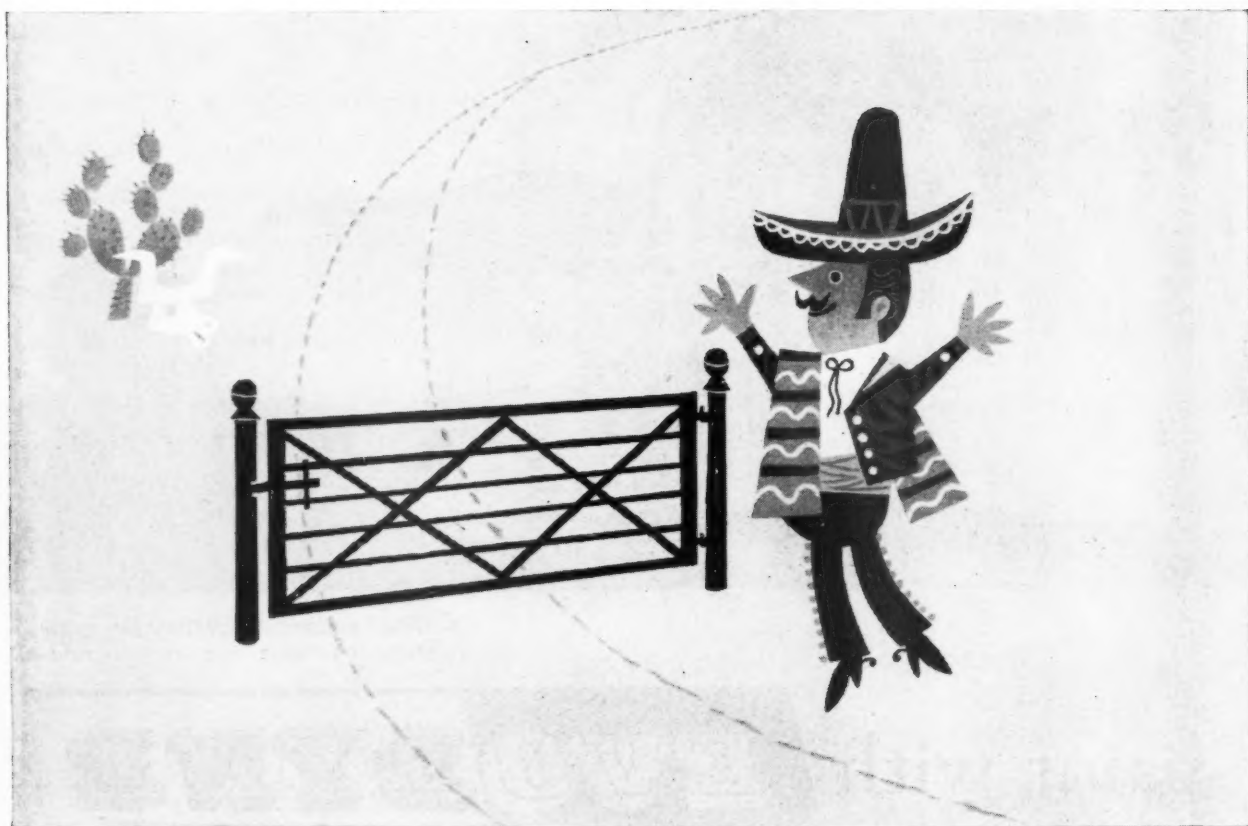
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Oscar Garry & Partners

Contractors:

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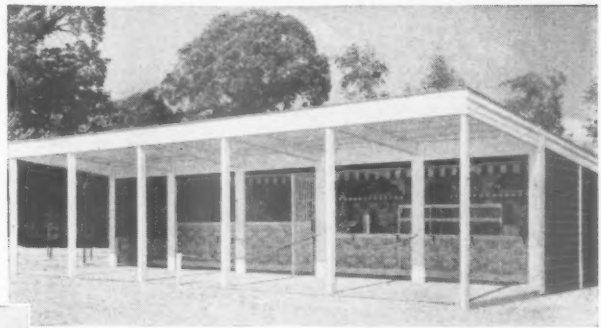
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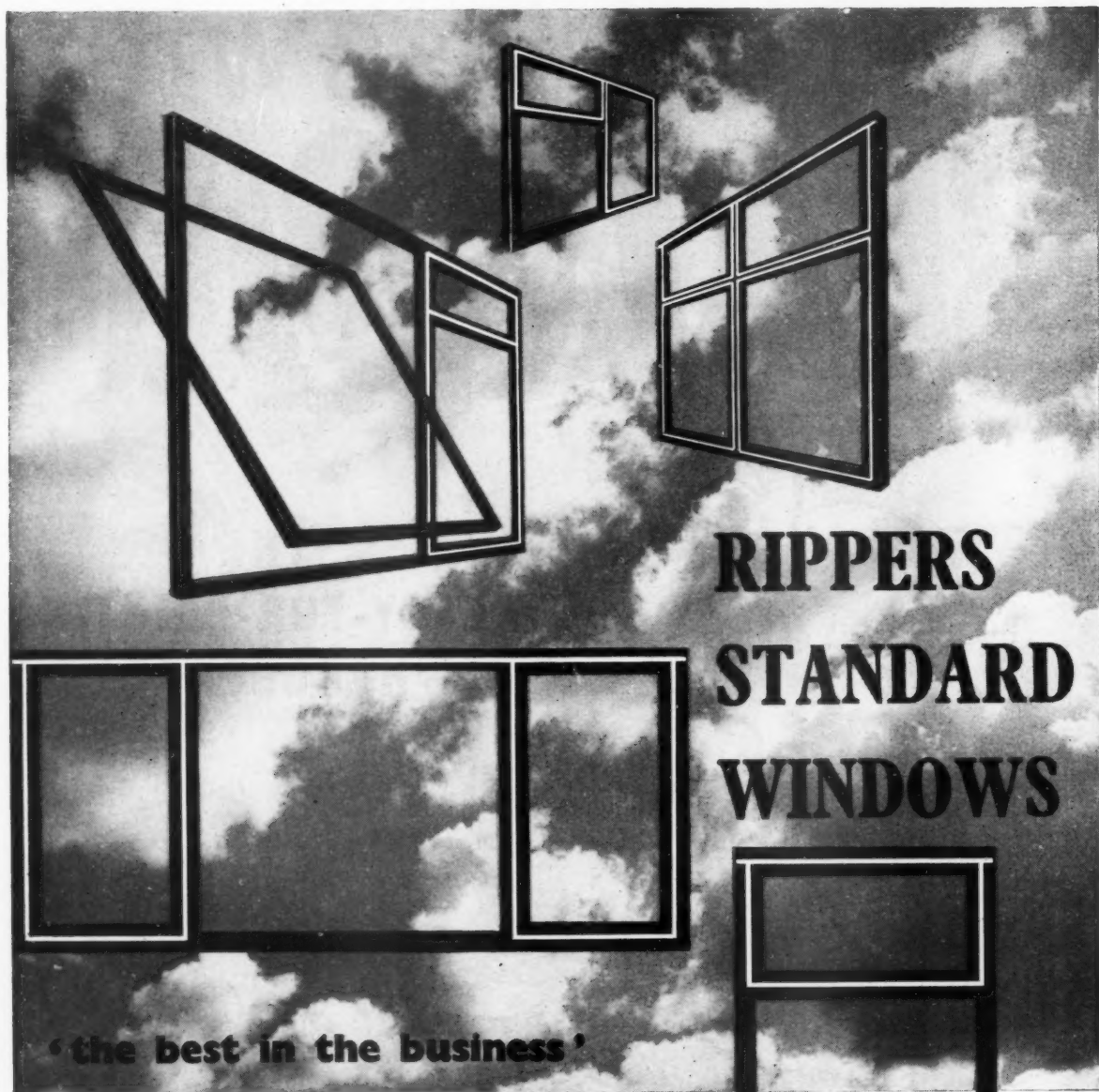
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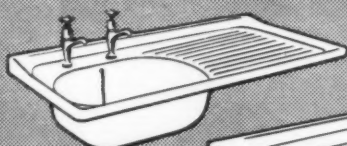
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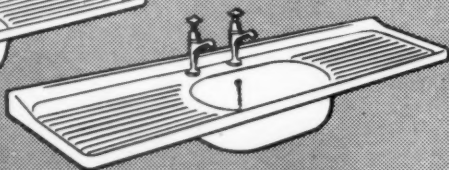
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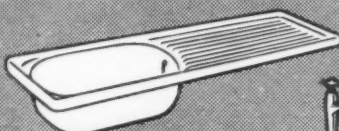
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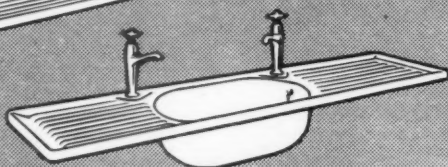
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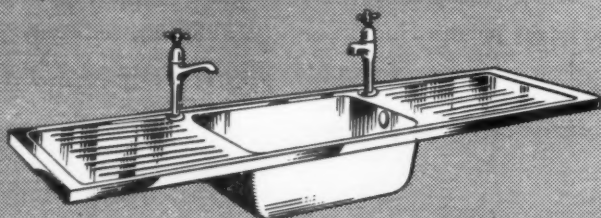
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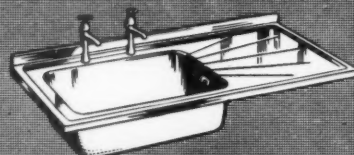
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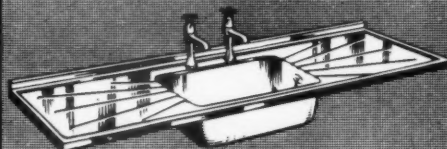
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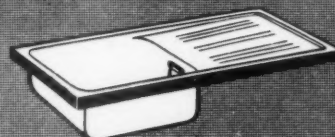
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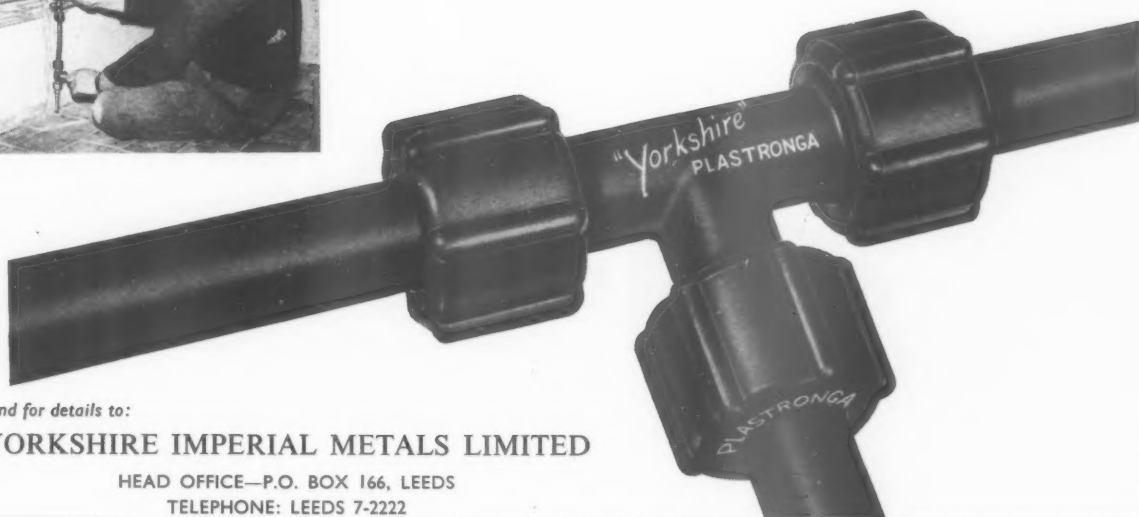
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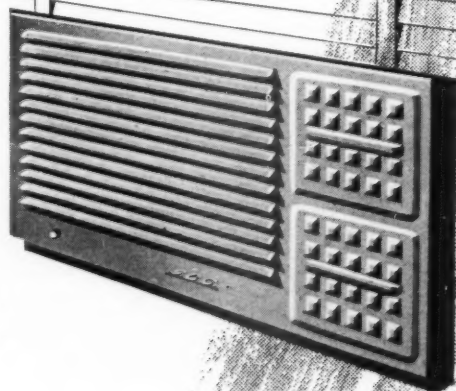
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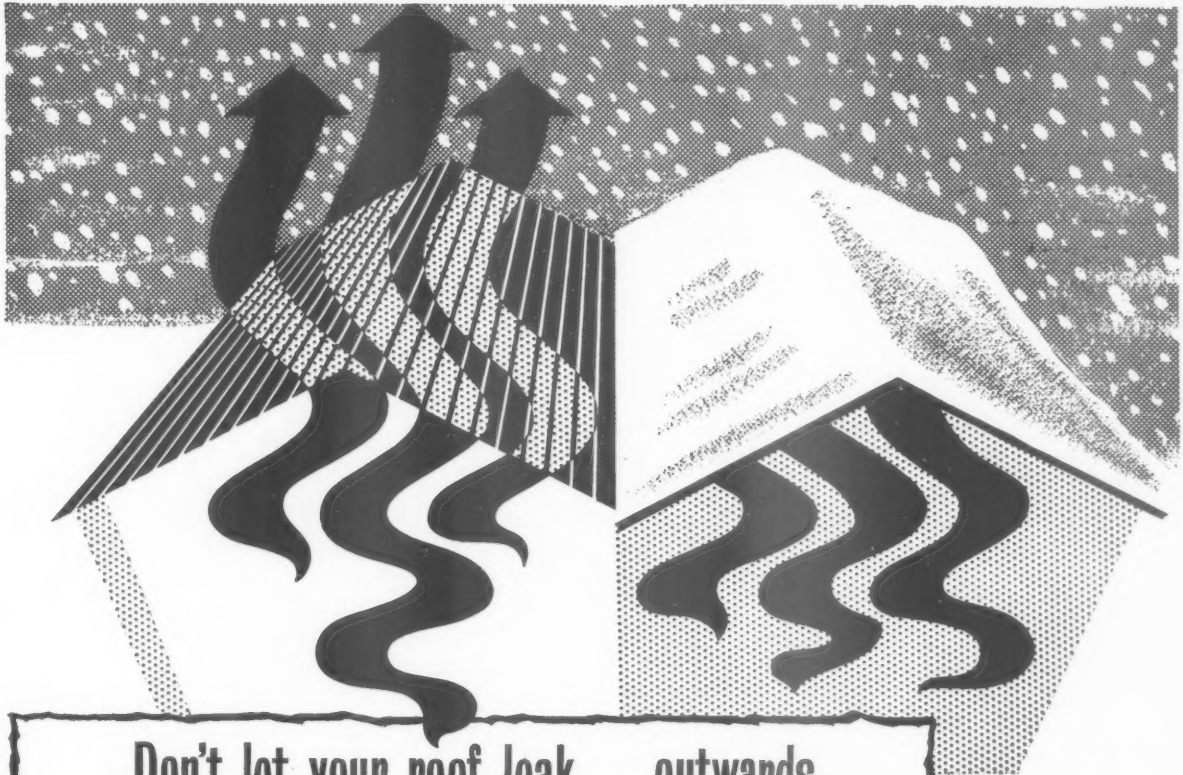


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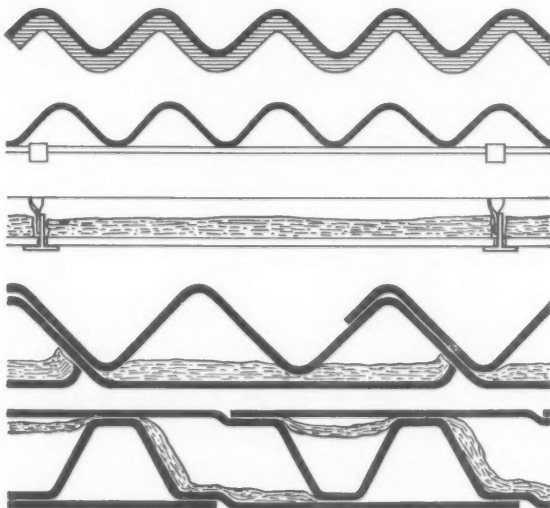
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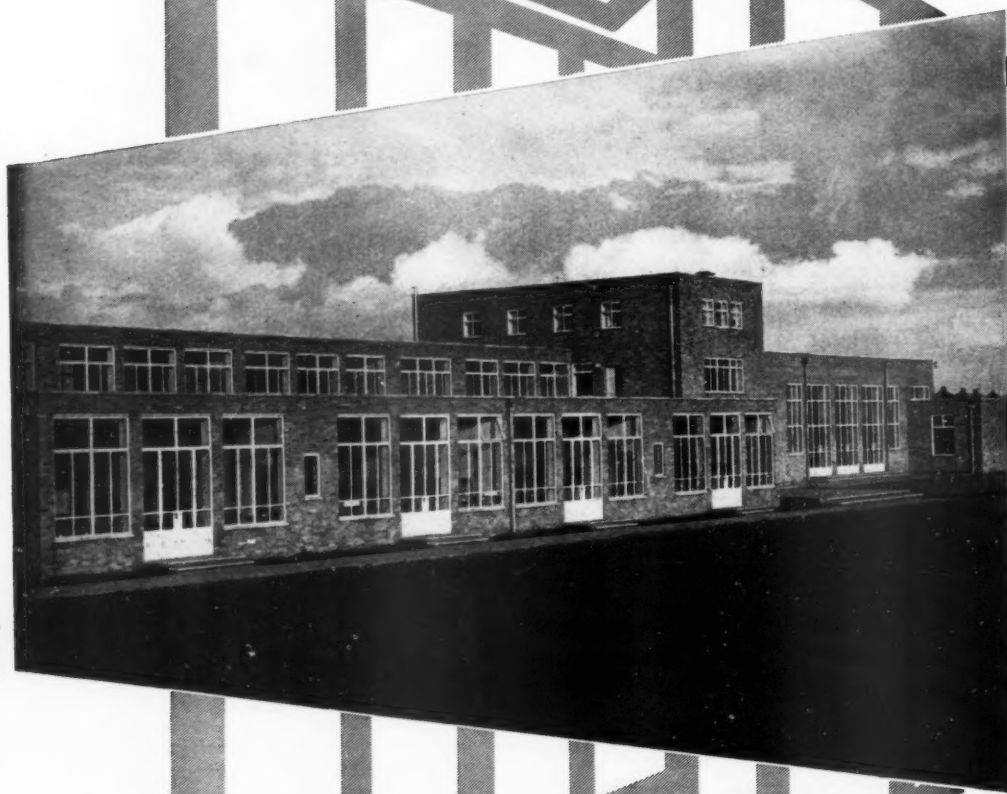
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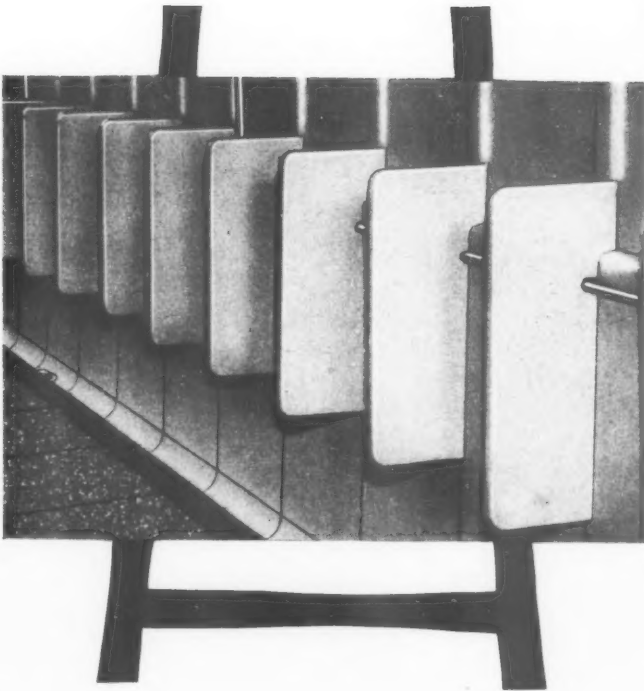
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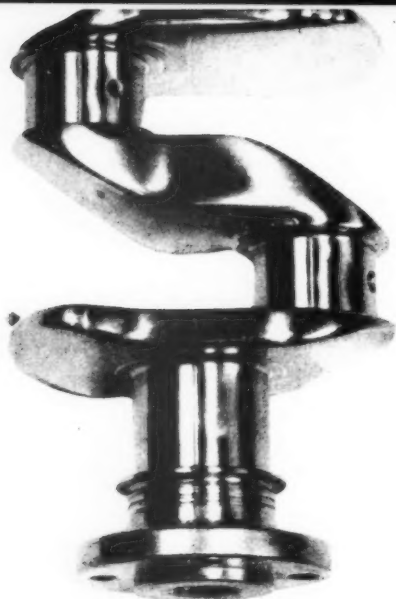
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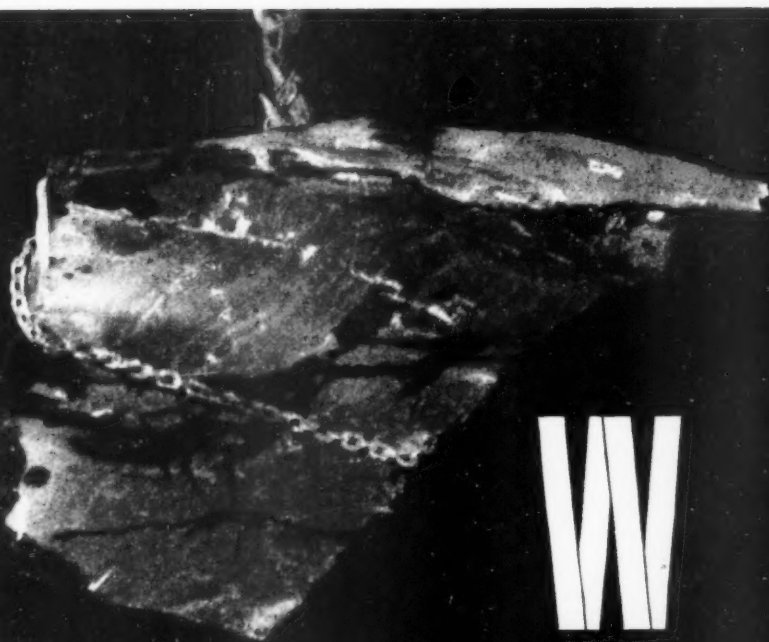
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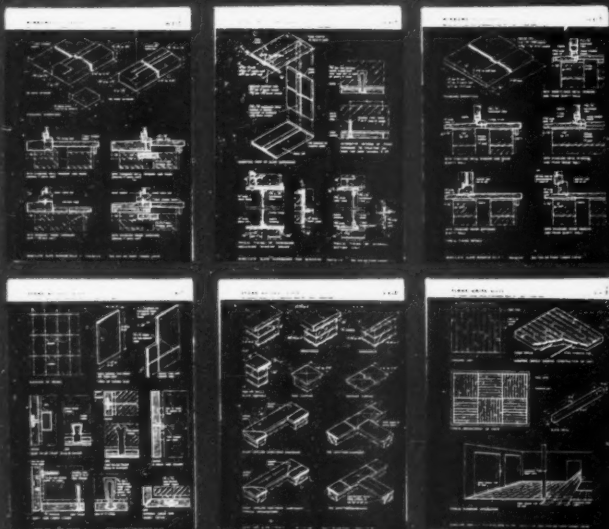
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The modern architect demands a crispness of finish which reflects the precision of mechanical forms. Architecture itself is becoming increasingly 'machine-made', yet natural materials are still indispensable and designers appreciate their capacity to withstand wear and weather gracefully.



W

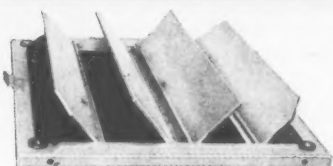
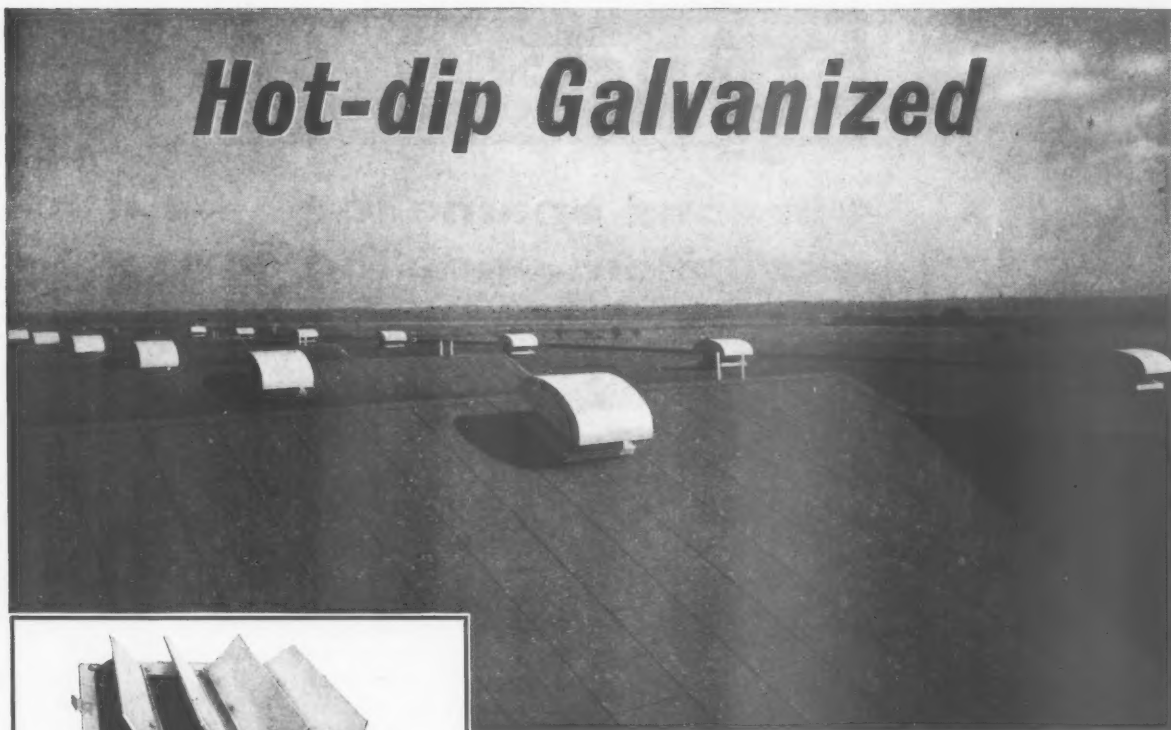


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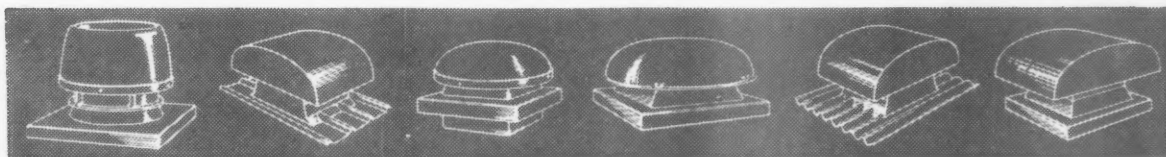
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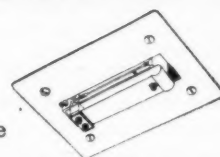
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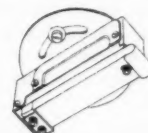
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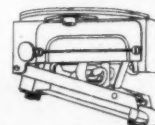
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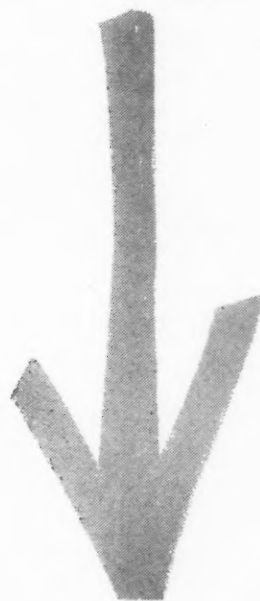
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Fully controlled warmth

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Results

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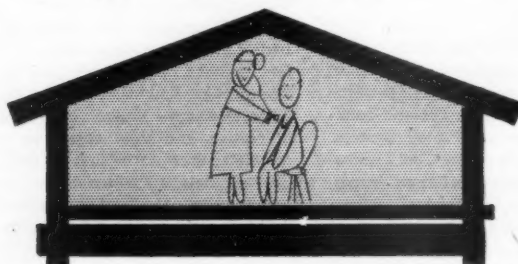
The building is heated by electric low temperature underfloor radiant heating. This is thermostatically controlled and designed to maintain against an outside temperature of 25°F. the following inside temperatures: surgeries, recovery and X-ray rooms 70°F.; passages and lavatories 60°F.; kitchen 52°F.; other rooms 65°F. Electrical intake is "off peak" and available between 7 p.m. and 7 a.m., and 11 a.m. and 3 p.m.

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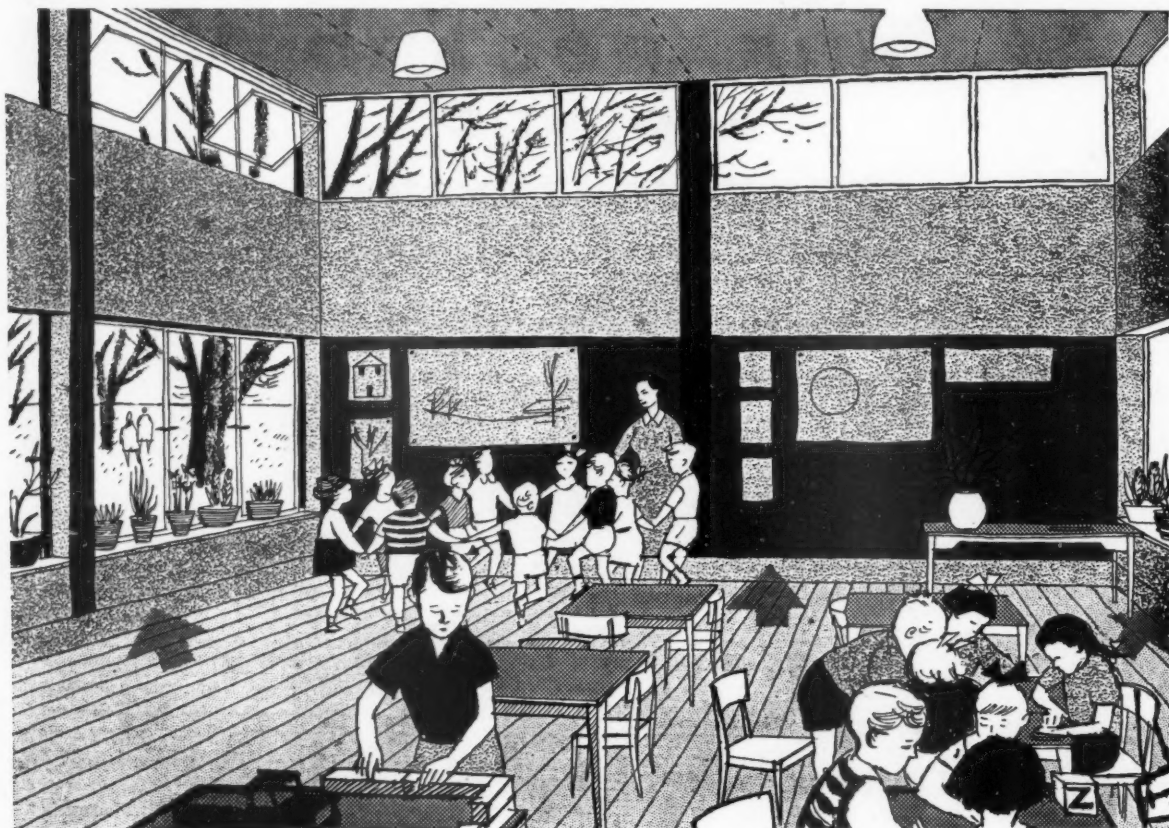
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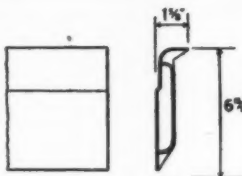
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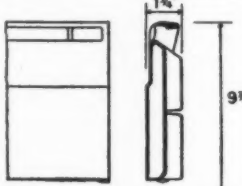
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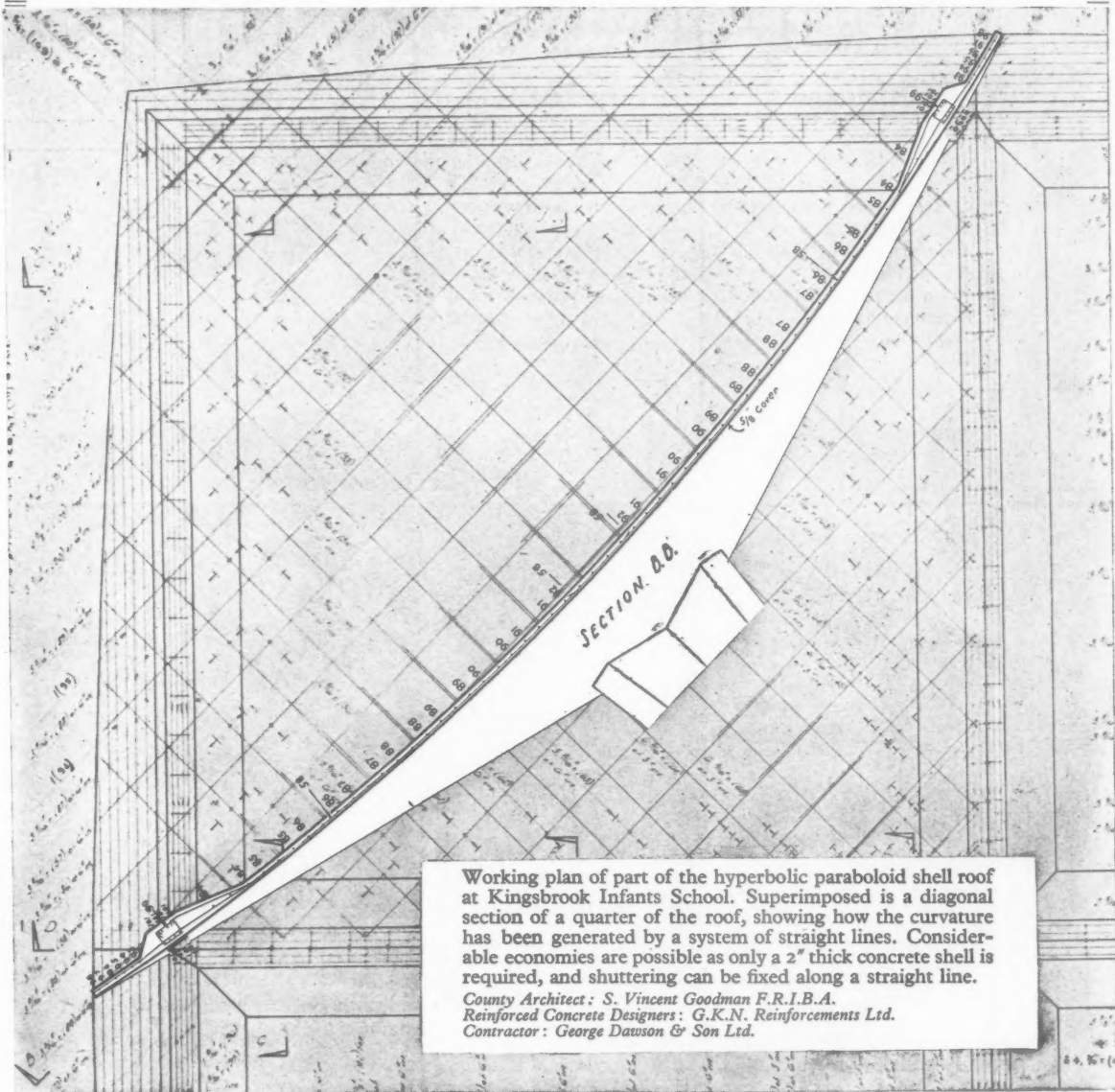
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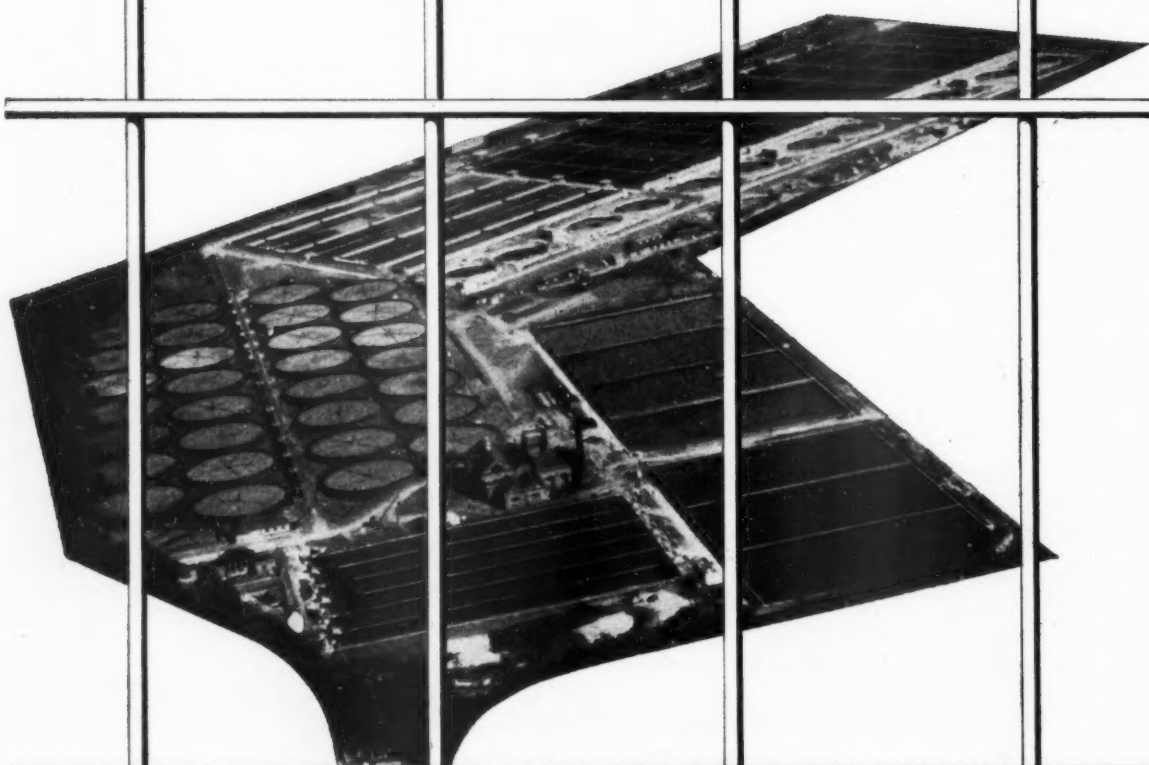
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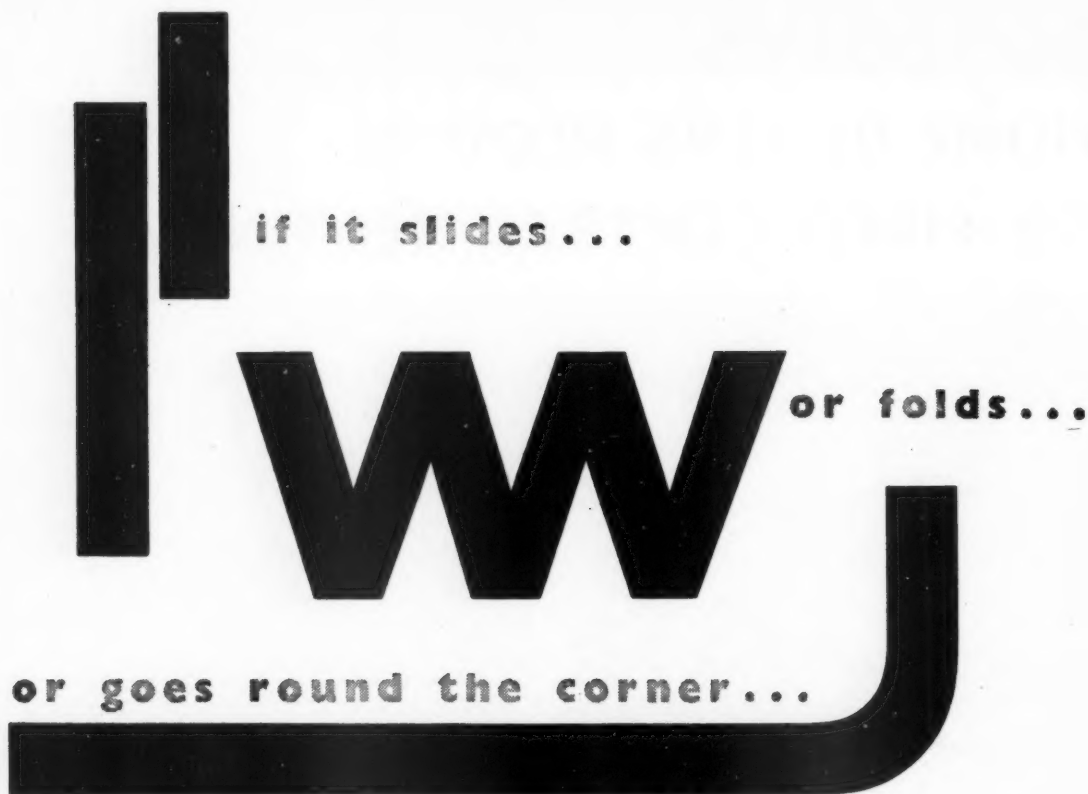
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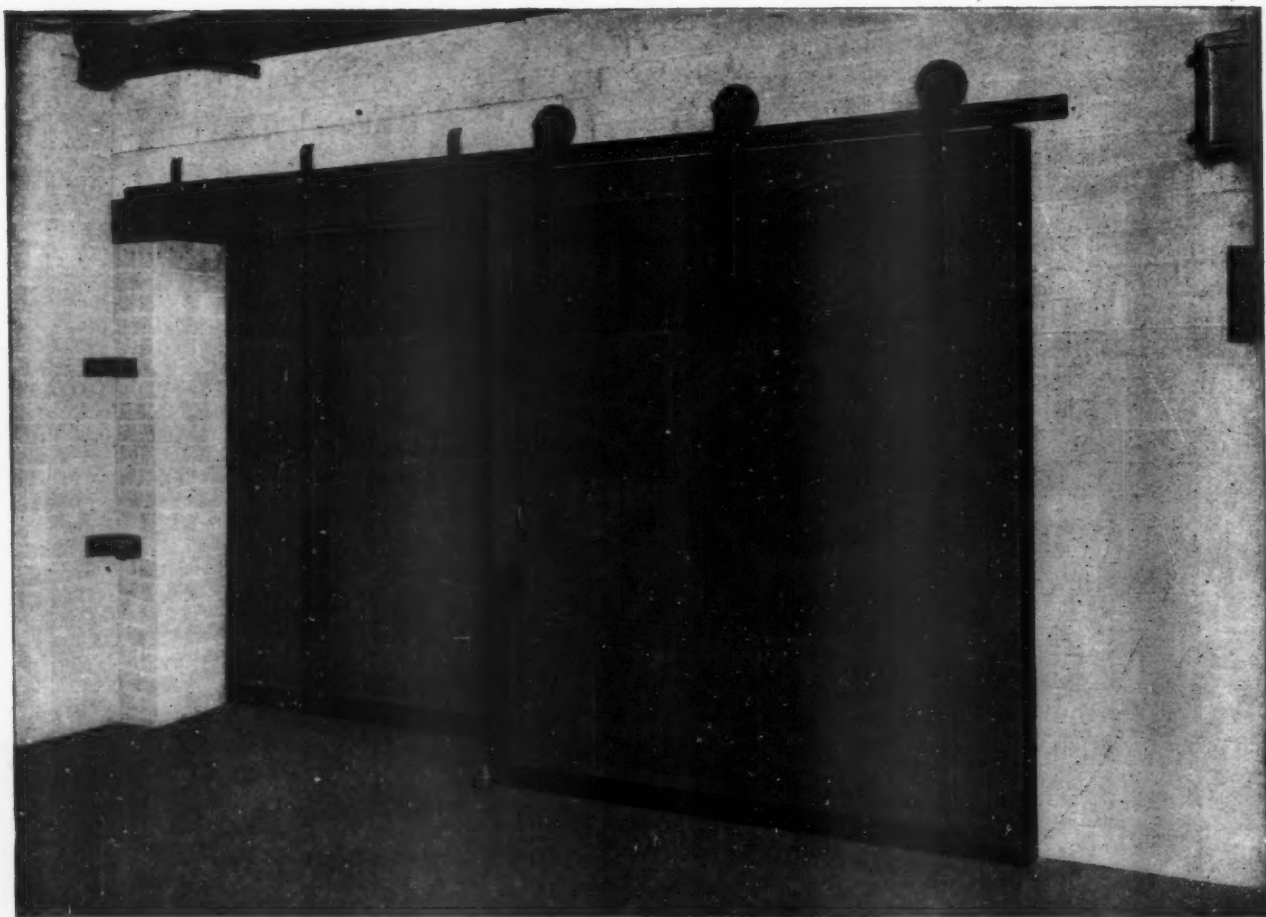
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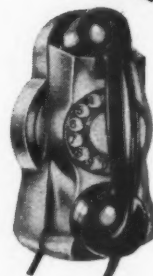


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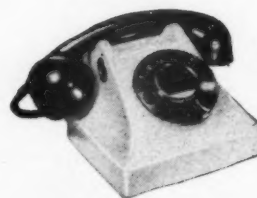
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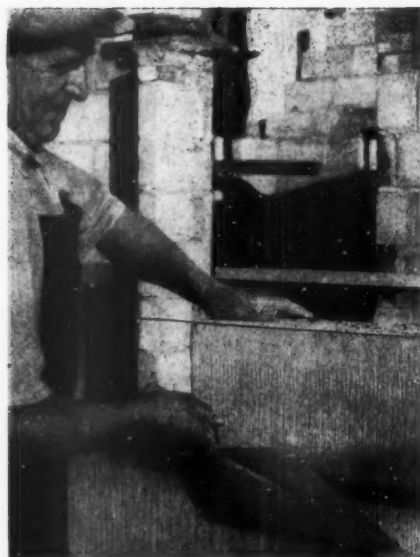
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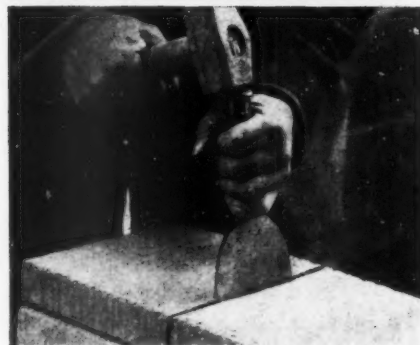
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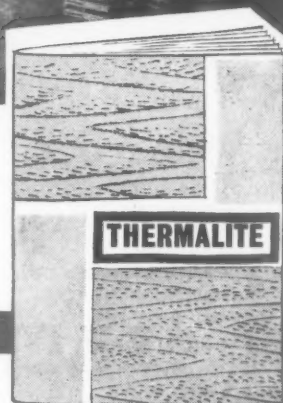


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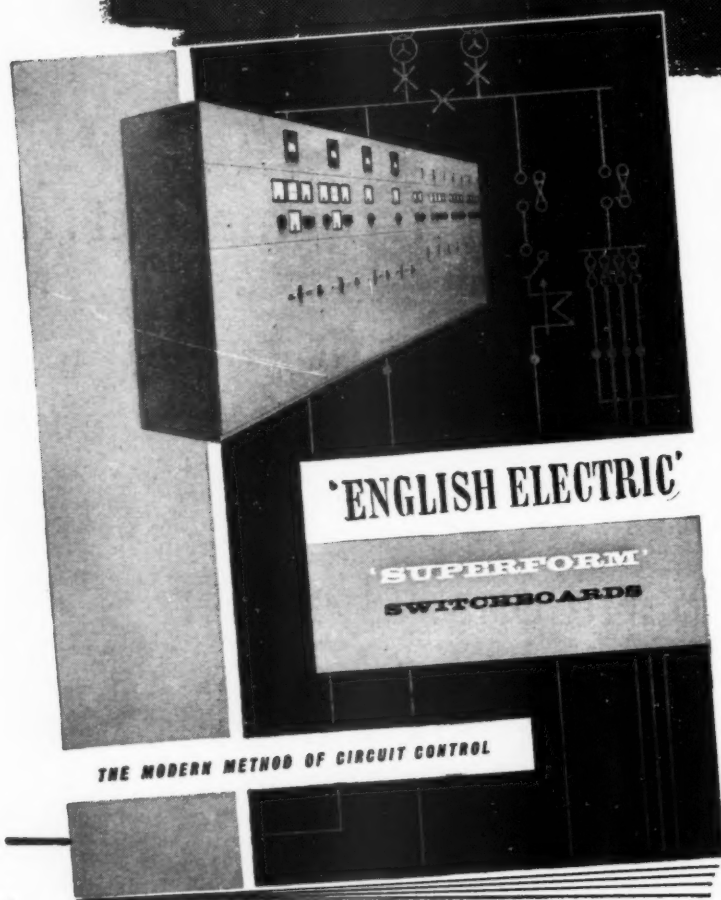
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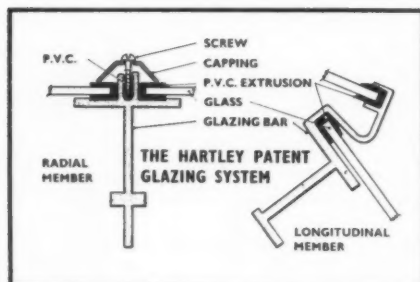
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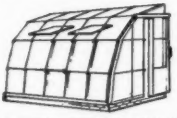
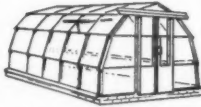
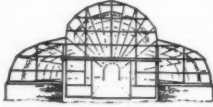

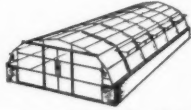
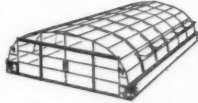
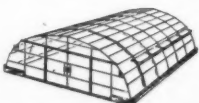
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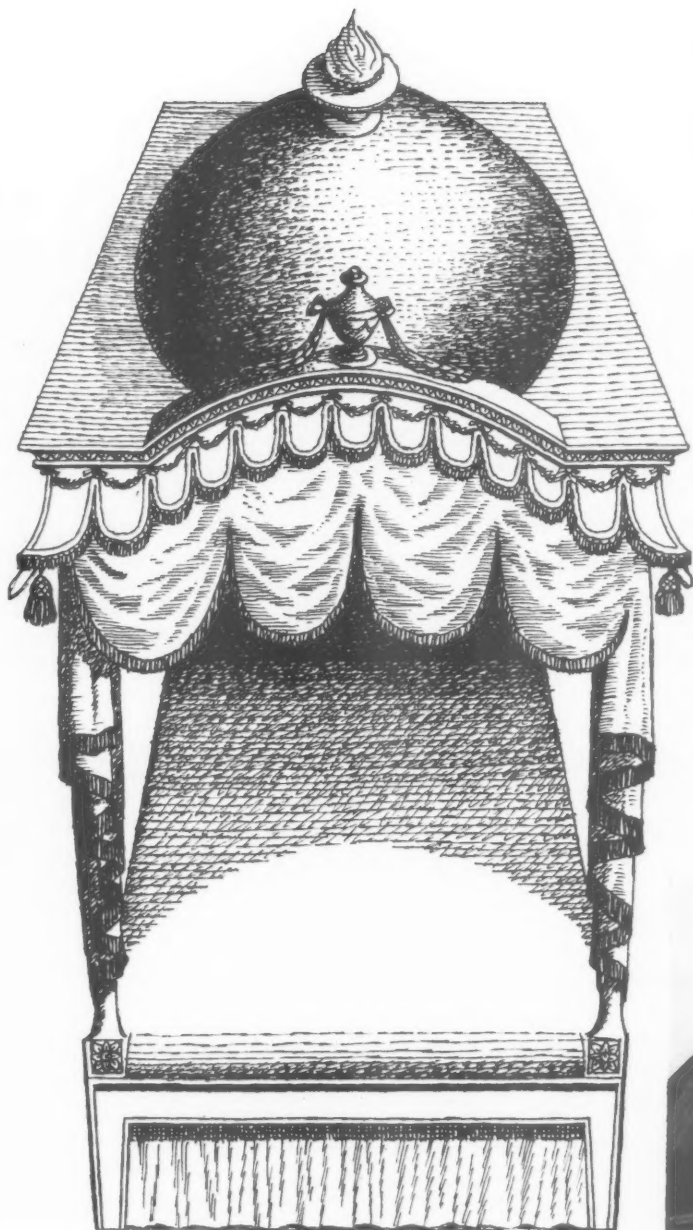
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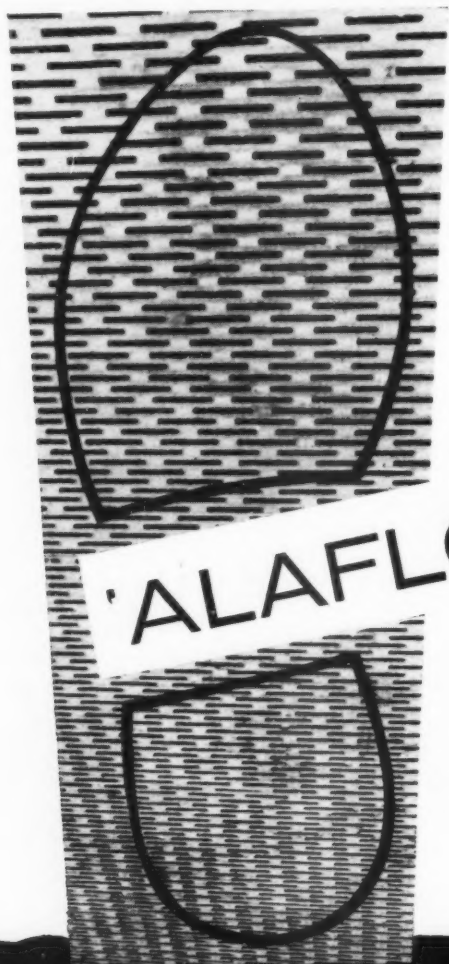


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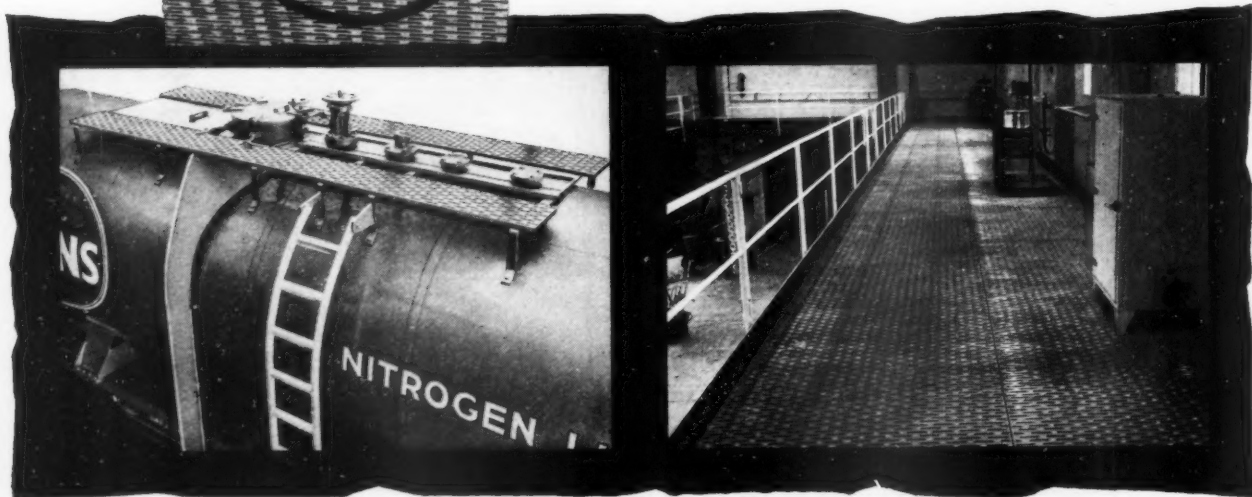
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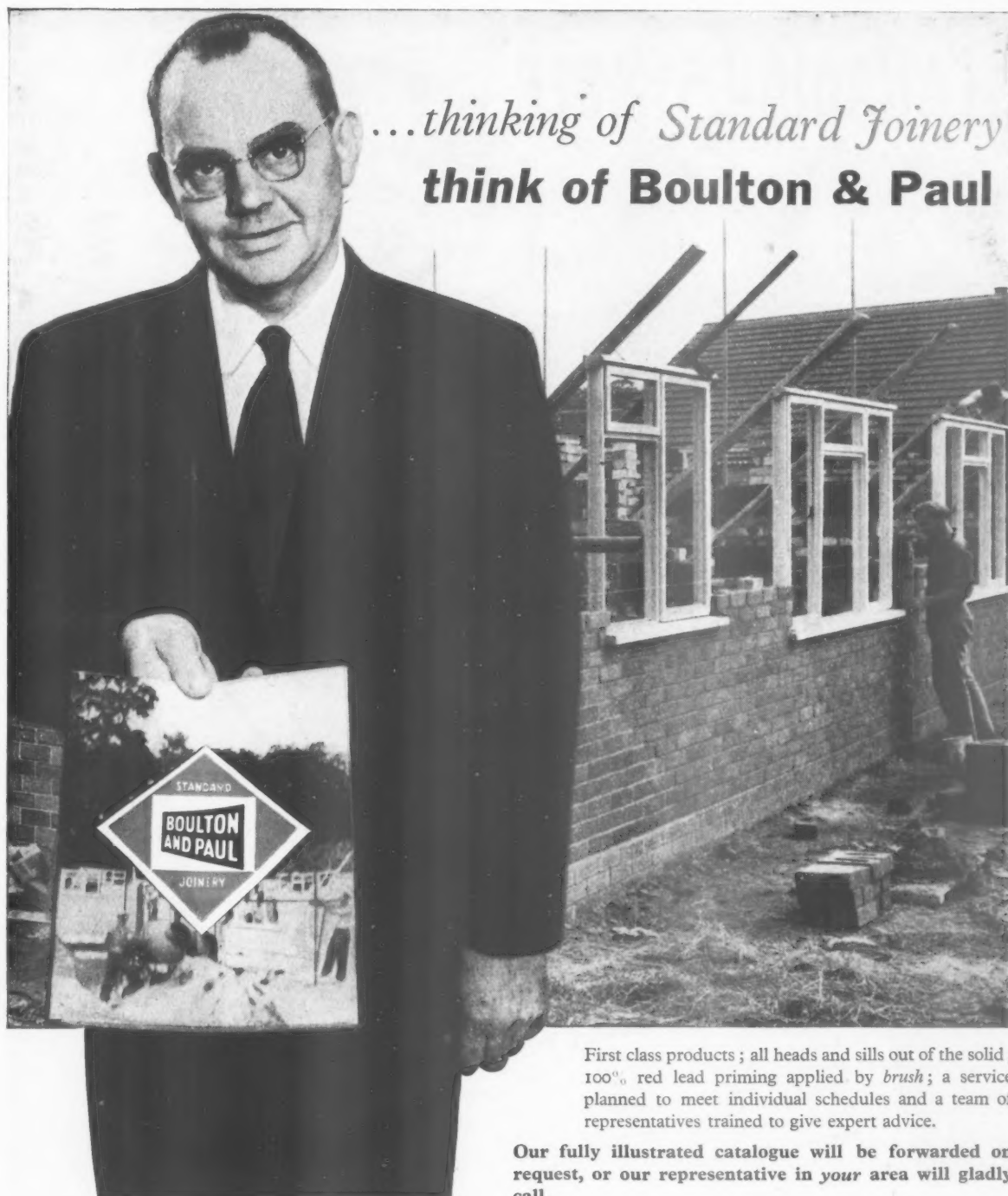
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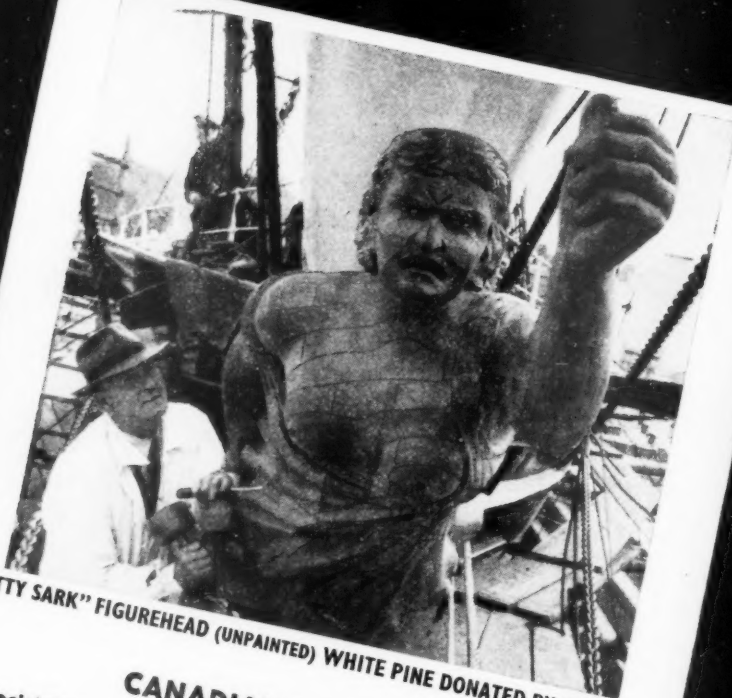
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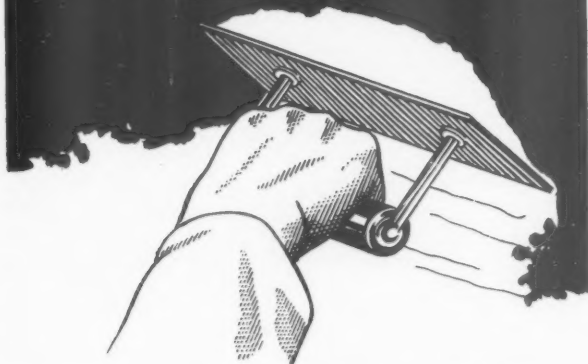
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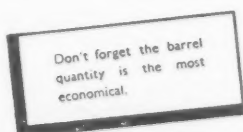
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The Architects' Journal

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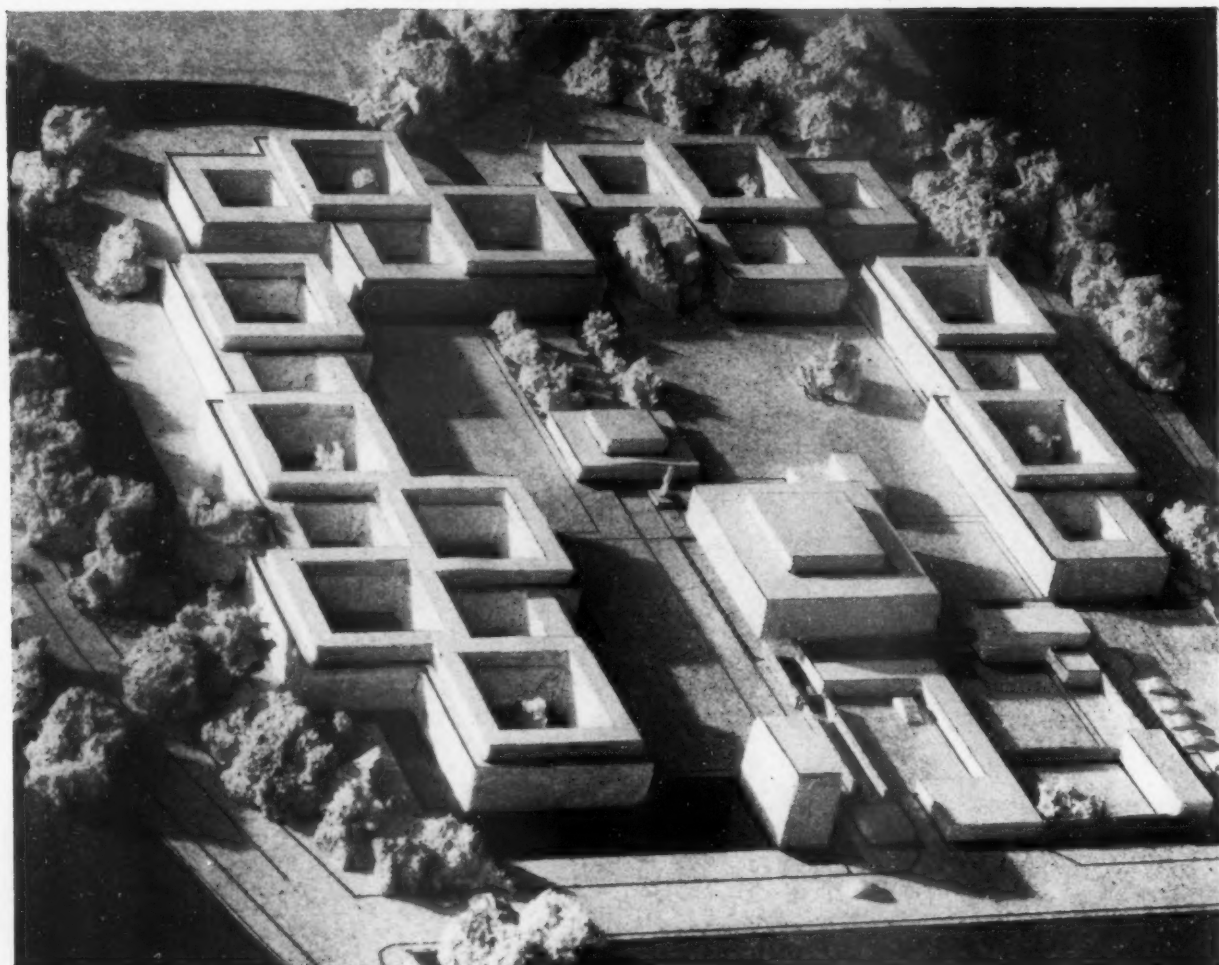
NOT QUITE ARCHITECTURE

DOES ANYBODY CARE WHO'S WHO?

When old Everyman was a small boy, he almost certainly spent his leisure hours collecting cigarette cards, newspaper cuttings and other reliable data about the life, habits and achievements of professional footballers, Heroes of the Empire, Wild Flowers or Scottish regiments. The information would be carefully filed in as large an exercise book as could be discreetly stolen from school and the result was an invaluable Standard Catalogue containing all the essential facts concerning S. Matthews or the Black Watch.

As we all know, small boys grow up into clients, and there is, somewhere along the line, that Moment of Truth when old Everyman must select his architect. To his dismay there is no guide, catalogue or reference book to disperse the mist of indecision, and it is obvious to him that there should be one; it is not at all obvious to the profession. Plainly, any step towards such a publication must be taken by the governing body, which must also determine the authorship, presentation and means of distribution; consequently, there will be a considerable pause for brooding before anyone actually proposes that somebody else should do something. For the moment there follows a review of the problem and possible solutions, which are presented stringless to the appropriate Fellows.

There seem to be three possible basic approaches. First, and most in keeping with the Age, is the Personality Cult exploitation method, taking the form of a slick, racy booklet, with glossy photos, some in colour, of your favourite associates *plus* intimate, revealing stories of the heart that beats behind the Variation Order book. There are dangers in this type of public relations, the

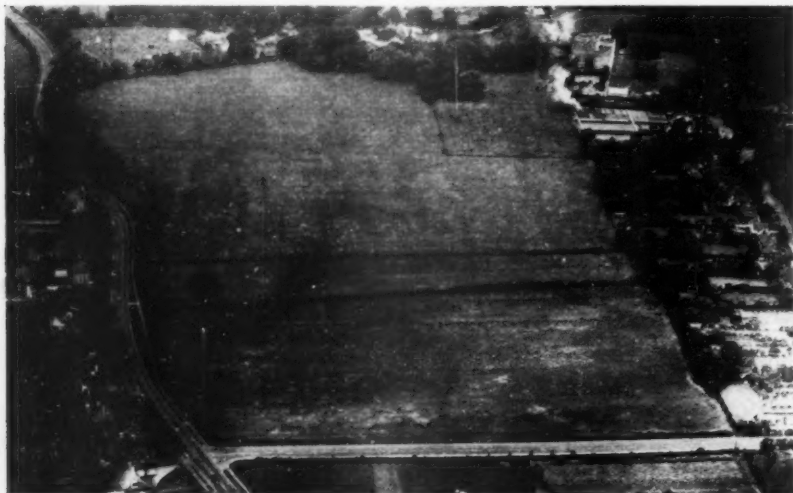


Buy British?

This first issue of the JOURNAL, following the resumption of publishing after the ending of the printing dispute, is largely devoted to showing the designs of the four finalists in the very important Churchill College limited competition, with special emphasis, of course, on the winning design by Richard Sheppard, Robson & Partners. The quickly-made model seen above shows the massing and arrangement of

the winning design, with 20 courts informally grouped around the library and the clerestorey-lit reading room in memory of Lord Bracken, centre, and the big block composed of Hall, combination rooms and offices, centre right. Just beyond is part of the assembly hall. In the foreground is the chapel, to be built when funds are raised, the service yard, and the Master's and Tutor's lodges in their walled gardens.

Left is an aerial view, specially taken for the JOURNAL, of the rather dreary suburban site from approximately the same viewpoint as the model. The great question that many people will be anxious to ask is whether this design, and the other entries, show that the officials of St. Catherine's, Oxford, were being unduly pessimistic about the capabilities of British architects when they asked the Dane, Arne Jacobsen, to design their College for them. Are our architects good enough? It is to help architects and potential clients to answer this question that we give space this week to the four finalists, and in a future issue we will publish brief details of the 16 also-rans.



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main one being an over-emphasis on the glamour of the profession; for with true respect to the Age, and to the elder universities, the time is not yet appropriate for an architectural Top Twenty.

Perhaps more in keeping with professional sensibility would be a series of carefully selected Profiles, written in terms of hushed, vaulted, Dimbleby respect, by someone lettered and on nodding terms with Sir Harold Nicholson. By its very nature, this book would be large, expensive, widely praised and the impetus behind another Anti-Ugly demonstration.

The final possibility is the inevitable compromise, in keeping with practically everything; an anthology of types, in which an attempt could be made to assess the values of the various elements of the profession, all in terms as impersonal as sandbags; terms such as A.R.I.B.A., L.R.I.B.A. (Retired), or F. of F./A.R.I.B.A., to name but three. The individual would retain his individuality, within the terms of reference of his classification. And this is, after all, a Welfare State.

Before passing any judgments, it is important to examine these methods as they would be applied, so that a fair comparison may be made of the respective merits of the ever-popular, colourful *Site Favourites* (be sure to place an order with your local news-agent), the more sombre, three-volumed *Jane's Fighting Fellows* and the modest *New Architectural Mayhew*, complete with cloak of anonymity.

The scene is set. Old Everyman is selecting his first architect. He flips through the March issue of *Site Favourites*. He reads... "J. EDWIN BANISTER, A.R.I.B.A.: Six foot, pipe smoking, 42-year-old Joe "Benchmark" Banister is one of the most popular associates in the business. Starting his training with the grand old firm of Osprey, Mullins, Gravenside and Smee, who, he insists, taught him all he knows, he has worked his way to the top of the tree without losing the sincerity and modesty which counts for so much. Likes to be his own boss, and left Local Authority office in younger days, following failure to obtain an official ruling on the use of primary colours in old people's dwellings. Now lives in open-plan, floor-heated, split-level glass box in Kent with his wife, two sons, and collection of vintage Armstrong Hot Five records. "The lads call me a square," he says with a smile. Likes: The chapel at Ronchamp, Cowes, Chicken Chow Mein. Dislikes: New Movements, Building Inspectors, Cha-Cha. Latest project: Proposed Warehouse Extension, Sallow Street, Flint."

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(to be continued)

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* To preserve freedom of criticism these editors, as leaders in their respective fields, remain anonymous.

The Editors

CHURCHILL COLLEGE: A BRAVE TRY

IS the Churchill College competition result a success or a failure? Some architects, when asked to judge from the meagre illustrations so far published, have expressed disappointment. One reason for this is that hopes have been running too high. Take three architect-assessors of great reputation: Professors Leslie Martin and William Holford, and President Basil Spence; take twenty architectural firms, all of which rank among the top fifty in the country; take a most important building named after the century's greatest statesman. These are the ingredients which will always be liable to excite more in the imagination than in reality.

It is said that the competition was only organized in an endeavour to dislodge the college trustees from their determination to give the building to one of the architects of the old school who have done so much visual damage to our universities in the past. The result is the design of an architect of the middle-aged school. One finalist described Sheppard's elevations as similar to the designs done by another finalist, Howell, Killick and Partridge, five years ago. Such a comment indicates the enthusiasm and determination of many of the competitors to produce a highly original architectural statement. It is in the exciting atmosphere induced by competitions that extreme originality of conception tends to take precedence, in both competitors' and assessors' minds, over competence and quality. The degree of originality in a design can be the easiest way of recognising and labelling modern architecture. But at this stage in modern architectural development it is a treacherous criterion—as the assessors, in the last stage of the competition, would seem to have suddenly realised.

It is with some regret for what is, in theory, a good idea, that the conclusion is reached that the competition system is only really useful as a means of circumventing the choice of architect by unprogressive clients, and as a sieve which enables talent to

We greatly regret that the printing dispute has prevented the publication of the JOURNAL since June 18. Readers' subscriptions will be extended to include an additional seven issues in order to compensate for the seven-week lapse in publication.

rise quickly to the top of the profession. It works best for monuments and expensive buildings of low functional content. It does not work at all well when architecture as a social art is required. It cuts across those fundamentals of modern architecture: research and development. For helping this country to acquire the university buildings it badly needs and for getting the highest value for money, this competition result can be reckoned as a small return for the energies spent by twenty architectural firms.

Lacking the disciplines of strict functionalism (which does not exclude the most precise aesthetic requirements), lacking a research and development programme, and lacking contact with the client, it is possible to see in the competition entries a wayward, near-Victorian romanticism which is good clean fun but not, perhaps, modern architecture.



OPENING THE DAM GATES

After seven weeks' enforced silence the logical course for this column is a forced route march over the main architectural items that occurred so that readers can have, with the minimum of pain, a reminder of the events of mid-summer.

TALKING SHOP

This year's British Architects' Conference at Cardiff was an even greater triumph to the organizers—at the RIBA and the South Wales Institute of Architects—than usual. The Garden Party was at an exceptionally interesting place, St. Fagan's Castle, the home of the Welsh Folk Museum and the architectural exhibition was the best

display at a conference that ASTRAGAL has ever had the good fortune to see. Two complaints: some visitors on a conference tour to see Sir Percy Thomas's British Nylon Spinners' factory, Pontypool, were refused admission which was rather frustrating, and President Basil Spence's rightful determination to make it a *working* conference meant that members had to sit and listen to speeches continuously for nearly three hours each morning. Tongues would have been livelier and ears more receptive if one, or preferably two breaks had been introduced.

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The theme of the conference, in case you've forgotten, was the rôle of the architect in efficient building, and dozens of architects stood up to make interesting, if rather general, comments of a slightly contradictory nature. Items which caught ASTRAGAL's patient ear were: The need for a first class information service is now under discussion at Portland Place (Shepherd Fidler). As soon as architectural schools recognize the need to teach administration efficient offices will become commonplace (Alick Low). Architects were the people with the real responsibility for directing the country's building programme (Sir Thomas Bennett). The architect's first task is to develop reliability . . . he needs memory aids (Alexander Gordon). The Institute should produce an exhibition on means and methods (of office organization) . . . vast knowledge is now tucked away (Arthur Hall). Architects cover too much paper (John Stillman). Open competitive tendering is two per cent. cheaper than selected lists of tenderers

(F. B. Pooley). The architect should receive a larger fee, but be responsible for supervising the maintenance of buildings for a number of years (K. M. Baxter). We should make more use of secretaries (Peter Dunham). Capital costs being cut by the Government may mean excessive maintenance costs (Arthur Ling).

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Two of the star performers were architects W. S. Gaudie and A. F. S. Wright, whose series of articles in this JOURNAL were used as the basis for discussion. In theory, that is, because few of the audience were able to make much constructive, or destructive, criticism of the series, or to suggest alternative action. These two young architects faced sudden publicity with wit and confidence, and it was a pity their real contribution to the subject did not stir a more informed response.

SCHOOL FOR ESOTERICS

ASTRAGAL paid brief visits to two architectural school exhibitions—those at Brixton and Bedford Square. The former was less extravagant in subject, perhaps, but very effective. It was well laid out, and there were signs that the advantages of close proximity to the building trades were slowly being taken advantage of. The AA exhibition was smaller than usual, which was a relief. In the first year's display of work the staff had been to the trouble of explaining what they were trying to teach with lengthy captions, a welcome response to ASTRAGAL's complaints over the past eight years or so. But after the exceptionally interesting first and second years the exhibition was just not worth the effort of studying. The students, and presumably, the staff, had risen well off the ground into that peculiar AA world of incomprehensibility which it finds so secure. One wonders whether any of the AA school look at what is being exhibited with fresh eyes and ask themselves: what are we trying to show . . . or, indeed, teach?

WHY PAY FOR PARKING?

The City of London, with visiting Royalty, bunting, trumpeters, Guildhall luncheon and muffled speeches (someone forgot to turn the Minister of Transport's microphone on), opened part of Route 11, or as it has been named, London Wall. It is the first part of the Holford- Holden road plan

for the City, and only a cad would ask where the other fourteen routes are—or where Route 11 is going to. It is a sound, solid, Corporation job with London's first under-road car park beneath. This is capable of holding 250 large cars and as a measure of the welcome City drivers are giving such an intelligent move it contained no less than eleven cars in its quarter-mile length when ASTRAGAL walked through recently.

LANDSCAPERS GATHER NO MOSS

The Institute of Landscape Architects, which hopes to set up a landscape design centre at its new premises in Portland Place, has done well recently. Its retiring president, Sylvia Crowe—an energetic, diplomatic and charming person—told listeners to her presidential address of the ILA's successes. It is now getting on better with other professional bodies and helping to interest the public in landscape architecture. In fact its biggest problem is no longer how to find jobs for landscape architects, but how to train new ones. It is good news that Frank Clark, the new president, is going to Edinburgh University as lecturer in landscape in Robert Matthew's department. But it is unfortunate that the course at Reading, which he is leaving, is being discontinued at the cessation of an ICI grant. The ILA will not be satisfied until there is a chair in landscape at one of the universities.

SCHOOL FOR HIGHWAY MAN

A chair in traffic engineering is being set up at Birmingham University. Is this a good idea? Traffic engineers should surely be educated as town planners so that they can see beyond the immediate job of trying to organize the flow of as much traffic as possible. It is good to hear that the traffic engineering students are to have town planning lectures from an architect planner—Leslie Ginsberg, who runs the Birmingham College of Art town planning course. I hope the students will be told that highway and traffic engineers in the United States have not solved traffic problems, in spite of their vast funds and scientific knowledge.

NOT THE RTPI

Nine years ago the Schuster Committee urged the TPI to give a lead in research and education. Nothing happened and it seems a pity that just as the Institute is about to take on a new



The team in the firm of Richard Sheppard, Robson and Partners who were the winners of the Churchill College competition, photographed looking appropriately pleased and triumphant, while celebrating their victory. Back row: Geoffrey Robson, Pat Litchfield, Mrs. J. Sheppard, William Mullins, John Roberts. Front row: Joyce Hunt, secretary; Richard Sheppard, Katie Halasz.

secretary and a new honorary secretary it should be hampered by a Royal Charter. This, as the RIBA knows to its cost, means that not a comma of the constitution can be changed by the members without the approval—which takes a long time to get—of the Privy Council. However, the deed is done, and we can only hope that the added status or snob value of the Royal Charter will have a good influence on the TPI—though I understand it doesn't intend to call itself "Royal."

MR. CARPENTER, HE SAYS

What is wrong with architecture today? A young surveyor in the LCC's planning division, J. A. Carpenter, puts the answer in a question. "When town councils, statutory undertakers and the like have a vital virtual monopoly of patronage," he says, "what do you expect but a repetition of South Bank 1951, the inverted packing case, the pale cheap imitations of continental and transatlantic models? It is true that there is a lot of bad architecture about and that public authorities have done some terrible things. But does Mr. Carpenter really think that private enterprise, in the shape of the new office blocks in the City, is better than public enterprise in Golden Lane, Roehampton, Festival Hall or Coventry town centre? Does he think that the new towns are worse than the spec builders' estates?

A better question: who is Mr. Carpenter anyway? He is the winner of one hundred guineas and a gold medal. He got them from the Royal Institute of Chartered Surveyors for the views quoted above—together with a few more ideas which go to make up the paper he has prepared for the Institute's annual conference at St. Andrew's.

PENNY FOOLISH

If you have to deal with a starving man it is no use giving him the amount of food he requires; it is better to calculate how much food he could get for one shilling. Nonsense? Of course it is, but so is Mr. Nugent's statement that it is realism "not to devise a solution to London's traffic problem, but to start instead with a given sum of money." Mr. Nugent, who is Private Secretary to the Minister of Transport, was speaking of the work of the London Road Committee which has produced a belated programme, based on the 1951 London Development Plan, and costing £6m. a year, or £10m. if there is money available for an even bolder attack."

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There is nothing bold about this attack, anyway. The 1951 proposals (£300m.) were already watered down from a more ambitious scheme, and were designed to provide road im-

provements that would meet a 50 per cent. increase on 1949 traffic. The new programme covers about one third of the watered-down 1951 plans.

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At least we needn't be afraid that the London Roads Committee will be planning to destroy a lot of architecture.

NEW FUNCTION FOR CLASSICIST

The powers which appointed Richard Llewelyn Davis to professorship at the Bartlett must be congratulated. But did they know how bright they were being? Here is a man with a record of original research and forthright building who is respected by functionalists and scientists. He is more than that. He is the only man of his kind who could ever have any constructive sympathy for the school's existing classical tradition. He has sometimes written about this liking and respect for classical architecture. It will be interesting to watch when, in 1960, a progressive mind takes over a not very progressive school without palace revolutions and pogroms.

SCHOCKEN TRAGEDY

Corb is not the only master whose masterpieces are threatened with demolition. A protest group, led by the Technische Hochschule, is trying to get world-wide support to fight plans for the destruction of Eric Mendelsohn's bull-nosed Schocken shop in Stuttgart. The shop is almost the only important German building of the twenties in good condition and there doesn't seem to be any reason why its owners should want to build a new store on the same site.

*

I quite understand why the owners of Frank Lloyd Wright's Imperial Hotel, Tokyo, want it to be rebuilt—if it is true that guests prefer to stay in the annexe

rather than in the old part of the hotel where it is said that maintenance has become a problem and foundations have been damaged by water seepage. But I hope that this 37-year-old building, which was designed to survive earthquakes, will not be demolished because of a few nervous tremors among owners who are hoping to do big business at the time of the proposed 1964 Olympics in Tokyo.

*

There is a third building in the running for the demolition gang—Brook's club in St. James's—an uncommonly good and urbane building, one of the few surviving works of Henry Holland. This and Boodles on the other side of the street are the oldest monuments of clubland.

TWO EXHIBITIONS

Why is there no architecture at the Romantic exhibition at the Tate? Why no Soane, Wyatt, Nash, Schinkel or Ledoux? This is a curious omission from the Tate exhibition (and its annexe at the Arts Council, St. James Square) which contains not only great paintings but also any number of bad interesting paintings (or interesting bad paintings, if you prefer) from the Northern countries as well. Its *piece de resistance*, for many visitors, is a detailed portrait of the moon, shown—for some reason—in almost total darkness.

*

There was no lack of architecture in the Chinese exhibition at the RIBA, of course, but a surprising lack of information about the buildings shown—particularly the new ones. The historical section included some really remarkable bridges, wonderful gardens, the Great Wall and the usual palaces and temples—mostly well photographed, but with some very quaintly translated captions. It was a fascinating show and deserved a larger attendance.

EISENHOWER'S SECRET WEAPON

A producer friend of mine who works on one of the BBC's cultural TV programmes—yes, *that* one—jibbed at the idea of interviewing Buckminster Fuller without six months research. However, "Tonight" did the job very nicely the other day with only a few telephone calls. The Geodesic Man was on the way to Moscow for the US exhibition, where one of his giant domes housed most of the exhibits. He was one of the five people chosen to

talk to the Russians. If you have heard Mr. Fuller trying to express himself you will wonder what the Russians have done to deserve him. Mr. Krushchev's new technocrats will have to work hard to interpret his remarks if they want useful hints for the mass-produced buildings that they need for their aircraft industry.

GOODBYE MR. SPRAGG

C. D. Spragg has left the RIBA, taking with him a gold watch, a cheque for some £2,000, another gold watch for his sister and a bound volume of signatures of donors. He also took with him an earful of tributes for his work as secretary, paid by president Basil Spence and Sir Percy Thomas. And it is rumoured that before he was allowed to leave the building wine was distributed and a song was sung. It is believed that a spokesman of the Code of Practice Committee has since pointed out that though Mr. Spragg may well be jolly and undeniably good, a Fellow he certainly is not. But might it not be a good gesture to make him one? Anyway, ASTRAGAL wishes him a happy retirement.

OBITUARY

H. S. Goodhart-Rendel died on June 21 at the age of 71. His architecture was seldom much admired, but at the RIBA (he was president from 1937 to 1939) his charm, urbanity and graceful wit made him seem an aristocrat among a bunch of grocers—as his portrait by Augustus John suggests. In an age of narrow professionalism he had the rare virtues of a distinguished amateur. He was a soldier (he wrote the Squad Drill Primer for the Brigade of Guards), a musician and composer, an essayist, a broadcaster and a critic.

BIJOU

In Chelsea a road is in danger. It is proposed that one side of Royal Avenue, where a property company is acquiring new leases from the ground landlords, shall be redeveloped with "bijou residences." There has been too much replacement of solid Victorian houses by bijou stuff, and it would be particularly wrong for this to be done in an avenue where a symmetrical double row encloses an historic vista leading to the Royal Hospital. The ground landlords who are, I believe, the Church Commissioners, should have insisted that any rebuilding must conform to the scale and balance of the original terraces.

ASTRAGAL

NOT KWAI ARCHITECTURE

Our attention has been drawn to the note by ASTRAGAL appearing in the JOURNAL of March 27, 1958, under the above heading, in which ASTRAGAL referred to the alterations to Trinity College, for which Messrs. Husband & Co. are the architects. This comment was intended to be in a humorous vein, but it appears that certain of the remarks may have been misconstrued and regarded as casting a reflection upon the professional ability of Messrs. Husband & Co. and particularly that of J. S. L. Smith, A.R.I.B.A., one of their senior architects. This was never our intention, as we intended the note to be regarded only as flippant comment. We are glad of this opportunity of correcting any misapprehension to which our original note may have given rise.

THE EDITOR

Richard Sheppard, Robson and Partners have won the competition for the new Churchill College, Cambridge. The trustees, meeting under the chairmanship of Sir Winston Churchill, have appointed the winners architects for the college. All the 20 competition entries, including the 16 not selected for the final stage, will be exhibited at the RIBA from August 13 to September 12.

COMPETITION FOR CHURCHILL COLLEGE, CAMBRIDGE

The Assessors' Report on the Final Stage

This was a limited two-stage competition in which 20 firms of architects were invited to submit designs. The four firms selected for the second stage were Richard Sheppard, Robson & Partners, Howell, Killick & Partridge, Stirling & Gowan, and Chamberlin, Powell & Bon. Each of the finalists receives a premium of £500. The assessors were Sir John Cockcroft and Noel Annan (trustees), Basil Spence, Sir William Holford and Sir Leslie Martin. Perspectives and other drawings of the finalists' designs are published on pp. 8 to 31. A fuller report on the other designs submitted will be published shortly. The assessors said in their report:

These four schemes offered very different solutions to the problem. But each scheme seemed to us to combine in varying degrees a good architectural conception, the possibility of producing an interesting and workable college building and a satisfactory answer to the requirements set out in the programme. The main difficulty in our final assessment has been one of giving a balanced consideration to these matters whilst judging schemes differing from each other so widely. We have, however, at this stage had the advantage of studying the larger scale drawings, the competitors' descriptive reports, their specifications of materials and their estimates of costs. We have also considered estimates of each scheme prepared by an independent quantity surveyor on the basis of approximate bills of quantities. We consider that a satisfactory building for Churchill College has the following requirements: (1) It should be a distinguished design both in its conception and finish. (2) It should clearly be identifiable as a group of buildings for a college community. (3) It should establish by its planning and grouping an environment and framework in which a college community can naturally flourish. (4) It should be capable of being developed in self contained stages and each stage should be a satisfactory entity. (5) It should be capable of being built at a figure close to the target cost, i.e., £1,100,000.

Richard Sheppard, Robson & Partners

This scheme seems to us to meet all these requirements and we recommend to the Trustees that it should be accepted. The scheme presents an interesting variant of the traditional college plan. Large areas of lawn and paving which correspond to the typical college courts and in which the

main college buildings stand, are enclosed by the residential accommodation, which is itself grouped around a series of smaller courts.

These courts form sheltered and enclosed gardens surrounded by sets. Each group of rooms or sets would be identified not merely by its staircase, but by the courts themselves. The courts (either 65 or 45 ft. square) vary in height between two and three storeys and would have individuality and diversity of treatment. A system of cloisters on three sides of each court provides a covered system of circulation.

The rooms and sets surrounding the courts are well planned; the staircase access at the corners of the courts is an excellent arrangement. The plans of rooms achieve an interesting variety in the form of the sets, and a number of these have double height. The courts themselves will provide pleasant and secluded outdoor areas for undergraduates. The central court area is therefore enclosed by a peripheral wall of residential accommodation. In this central space the Library (including the Bracken Reading Room) and the main Hall block are planned as two free-standing buildings. In the main Hall block the Hall and Common Rooms are placed at first floor level and the space below these forms a natural focus and gathering place for undergraduates. The Kitchen, Stores and Administration are connected with this block and have their own Service Yard. The Master's and Tutor's houses are very well placed with regard to both privacy and connection with the college. The Married Quarters in which 19 flats are provided and which are placed on the higher ground at the North West corner of the ground, are well sited, and skilfully planned so as to provide privacy for each flat.

This is a scheme which showed promise in its original form and has justified itself in the second stage. It will almost certainly improve further, when the programme of the second and subsequent building stages are further defined in consultation with the building committee. The hall, for example, requires some re-planning. Within the volume of accommodation allowed for, improvements could be made in the access to the hall, the natural lighting and the disposition of the surrounding small rooms. The areas of rooms correspond closely to those required by the programme.

The cost of the scheme as estimated includes

25 extra rooms. If these were omitted and some slight modifications were made to the specifications the cost could be brought close to the target figure. We do not consider that it is necessary to face the residential buildings in stone. The brick facing proposed in the report should look well.

Howell, Killick & Partridge

This design is of exceptional merit. It is distinctive, imaginative and completely consistent. The Hall, Library, etc., have their place in the group of residential buildings in which they are set in sequence; but they are distinguished from the residential blocks by their modelling and roofline.

The modelling on which the architectural effect depends is achieved by the use of pre-cast concrete panels with a portland stone aggregate. We do not consider that the internal access halls in the double-banked blocks are really desirable for College use and we have strong reservations about the design of the Masters and Tutors Lodges. Even when the cloister is excluded the total floor area in this scheme considerably exceeds that of any other scheme submitted and is about 25 per cent higher than the most economical layout. This and the cost of the surface modelling of the building is reflected in the total estimate which is given by the author as £1,304,000. The nature of the scheme suggests that this could not easily be reduced and in fact we are advised that the cost might well be greater.

James Stirling & James Gowan

The author of this scheme sets out to provide, on this open site, a walled-in enclosure. A square, considerably larger than the main court at Downing, is surrounded by two storeys of rooms which form the enclosing wall. Two main residential blocks with their own internal courts, a slab block of residential accommodation and a composite building containing Hall and Combination Rooms stand within this great court. These internal buildings will rise above the level of the enclosing peripheral wall of rooms. We think that the architectural idea is impressive: but the division of the accommodation into long continuous rows of rooms or multi-storeyed blocks does not seem to us to derive from college usage and desirable groupings of undergraduates within the college. We are also advised that the cost appears to be underestimated.

Chamberlin, Powell & Bon

The author's general plan with its intermediate sized courts seemed to us at the preliminary stage to be well arranged. The developed scheme has shown some advances in the detailed planning, which is on the whole well considered although a number of rooms are below the size required, but the elevations and plans are hardly more than outline drawings and gave us little opportunity to appreciate the designer's intentions. In conclusion we would like to say that in our opinion this competition has been valuable. Schemes of real merit have emerged and a great number of different solutions to the problem of college building have been explored.

CHURCHILL COLLEGE: WINNING DESIGN BY RICHARD SHEPPARD,

FROM THE COMPETITORS' REPORT: The Residential Unit is based on staircase access to all sets and study-bedrooms. Staircase access limits the number of storeys to three. The special difficulty presented by Churchill College is the large number of men who will live in and the consequent spread of two and three-storey building. The residential unit proposed in this scheme overcomes this problem by placing the accommodation in a series of enclosed

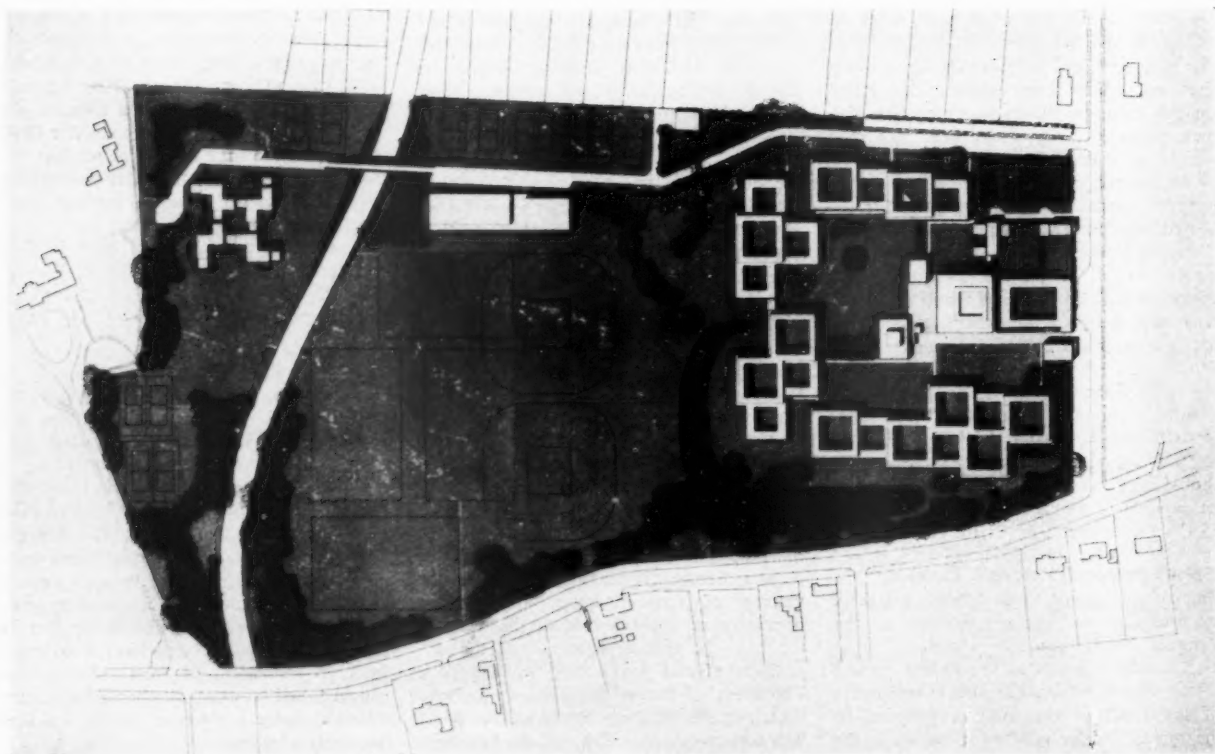
courts, which surround much larger, informal spaces which correspond to the quadrangles of a typical college. The large courts are 65 ft. x 65 ft.; the small courts 45 ft. x 45 ft. The former are linked and have a cloister on three sides, which is the primary means of circulating through the College. The small courts give only secondary access to the residential units on the periphery of the College. The large courts are surrounded by three storeys, the

small by two, giving good lighting conditions and variety to the scheme.

It has been suggested that residential accommodation should not face north: in this scheme only five rooms have windows only to the north. A double-storey height for sets has been used for a number of rooms in each stage, and through the upper level sunshine reaches the study: it is thought they help to give an interesting and imaginative diversity of room types. In any case, rooms



Above: view inside the central concourse. Below: site plan.



ROBS

Elevation

Below:
of Univ

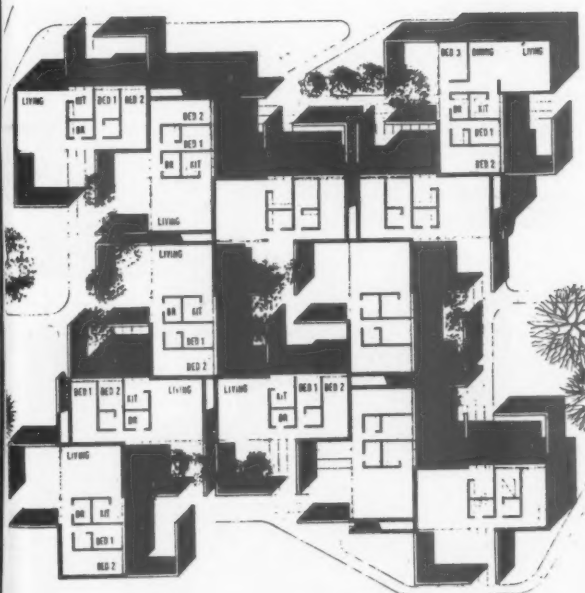
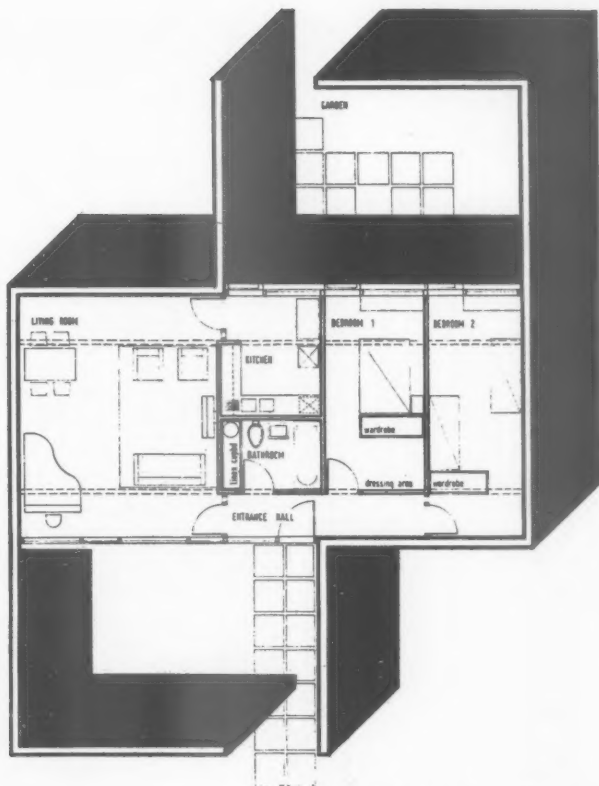
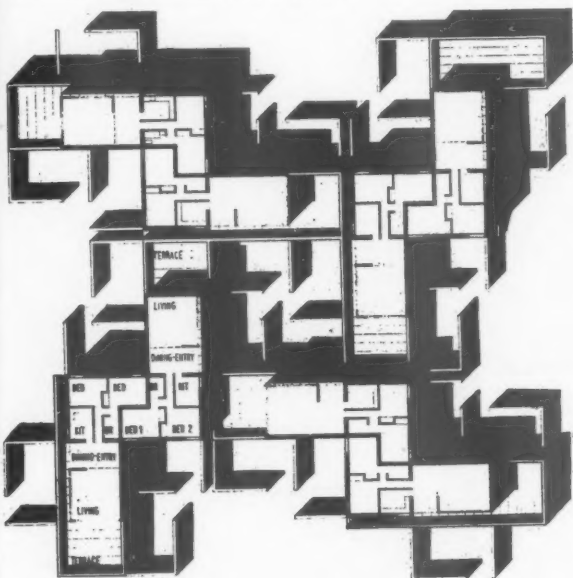


ROBSON AND PARTNERS



Elevation of flats for members of University.

Below: ground and first floor plans of flats for members of University. Right: detail plan of typical flat.



facing north, and looking on the courts, would benefit from sunshine reflected from the walls.

It is thought that the sense of intimacy and communal living achieved through these courts will more than offset any disturbance due to noise.

The dining hall and the common rooms have been planned on the first floor so as to provide a covered concourse at ground level where students may congregate, as they may be observed to do, before Hall. In bad weather the main entrance hall on the ground floor, which also serves the buttery bar, is large enough to accommodate men gathering for Hall.

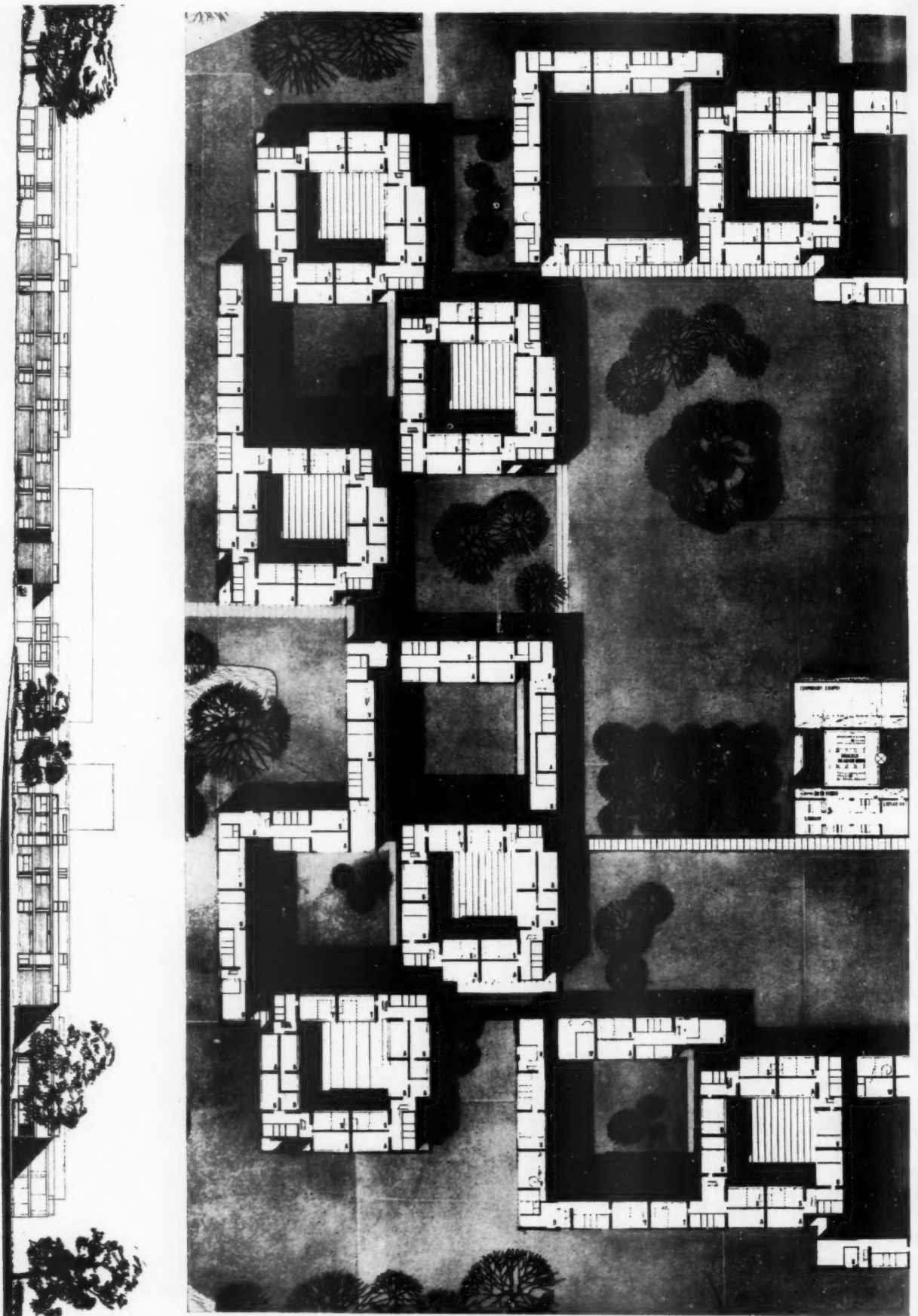
It is thought this covered concourse will become one of the most attractive features of the College: it is the natural focus of the College, equally accessible from all residential rooms. It thus serves a double object in providing an essential focus as well as giving a frame of architectural significance and a contrast to the surrounding residential accommodation.

The Bracken Library, 30 ft. x 30 ft., is placed in a central position at ground level where it can be seen from every part of the College at all times. The clerestory to this library, lit at night, will form a kind of beacon in the centre of the College. Flanking it, but entirely separate, is the College library and a 1,500 sq. ft. room to be used as a chapel. It is thought that when a permanent chapel is built this room will form a valuable adjunct to the library suite.

The cost of the buildings, which does not include the playing fields or the members flats, is estimated at £1,173,250 which is 83s. 7½d. per square foot.

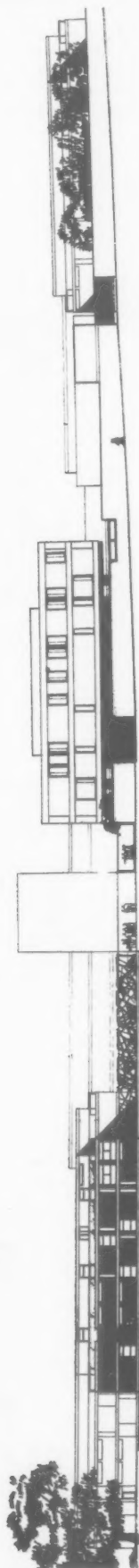
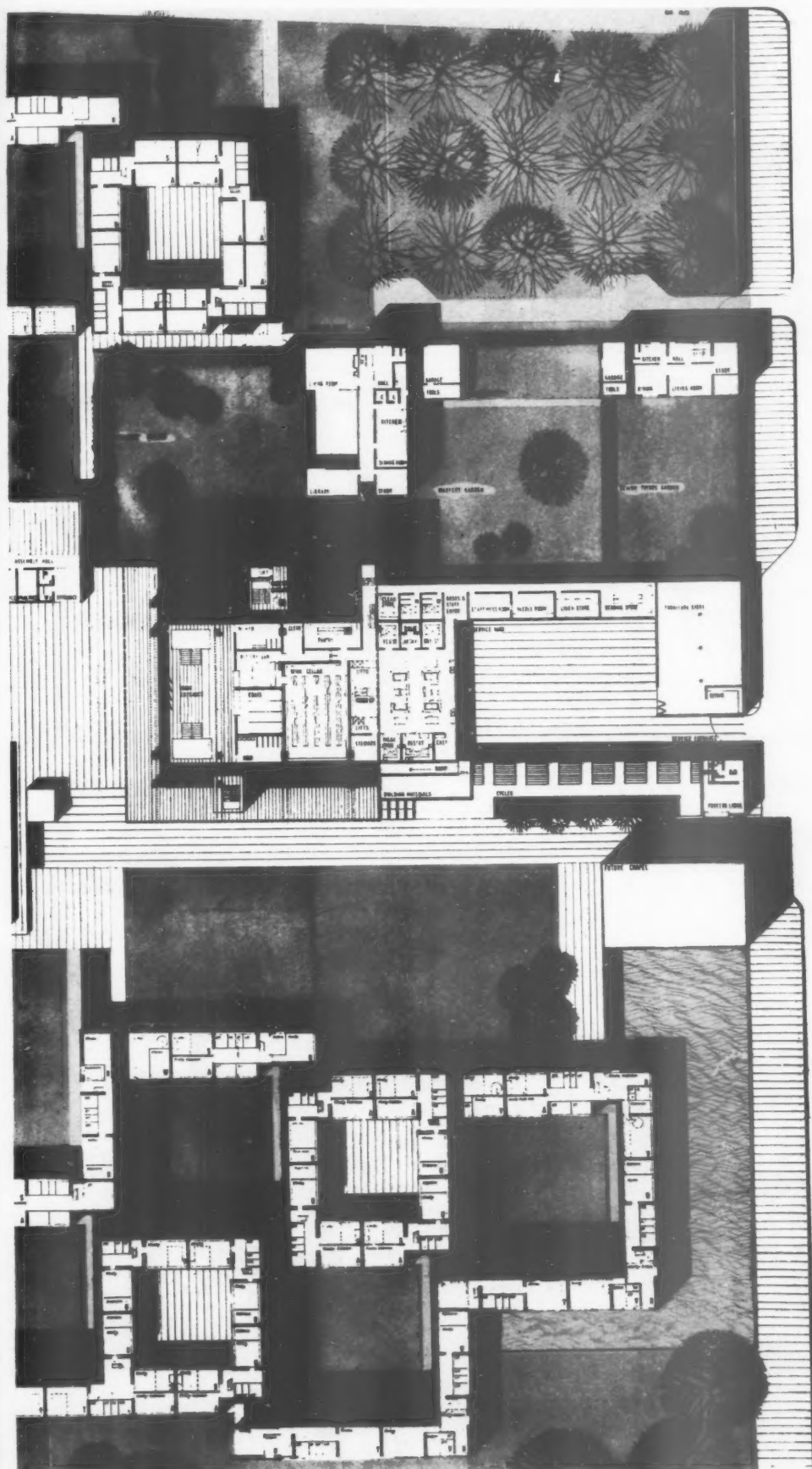
CHURCHILL COLLEGE: WINNING DESIGN BY RICHARD SHEPPARD,

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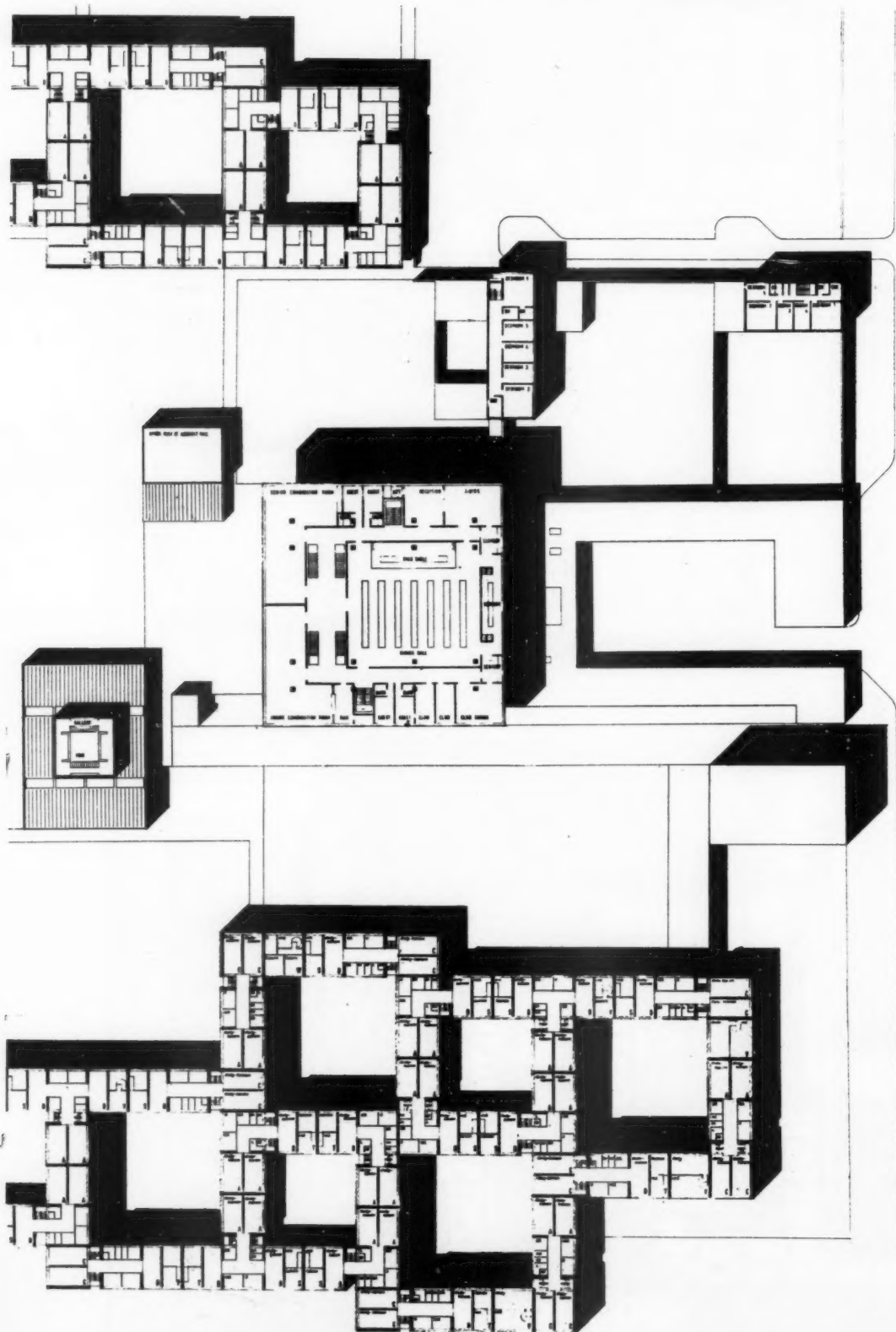
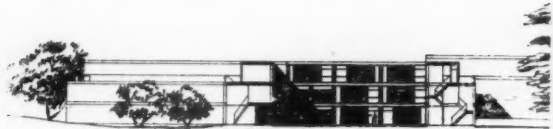
ROBSON AND PARTNERS continued

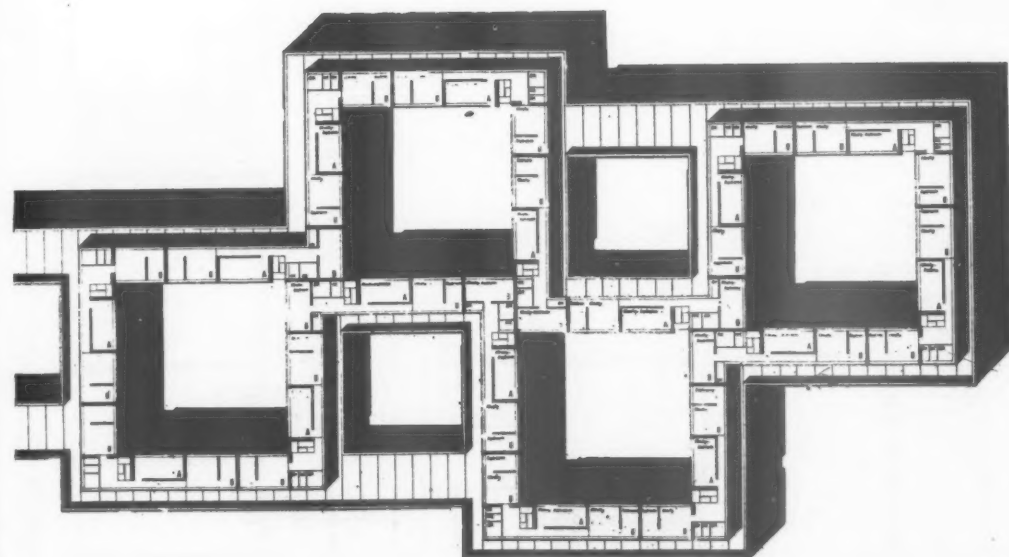
Below: ground floor plan. Opposite page left: west elevation. Below: east elevation.



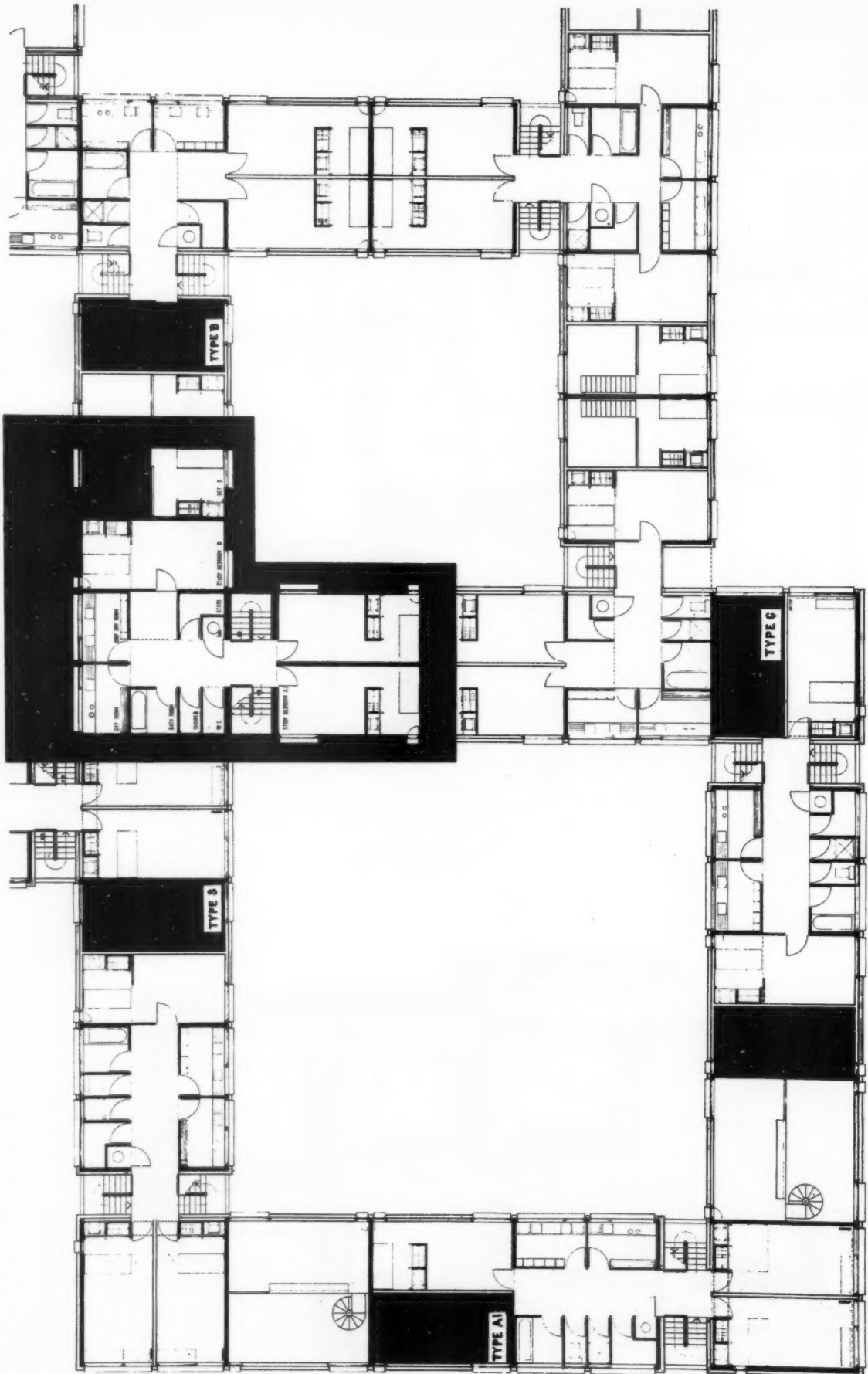
CHURCHILL COLLEGE: WINNING DESIGN BY RICHARD SHEPPARD,

*Below and opposite page: part first and second floor plan.
Right: west-east sectional elevation.*





CHURCHILL COLLEGE: WINNING DESIGN BY RICHARD SHEPPARD, ROBSON AND PARTNERS continued



Detail floor plan

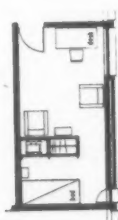
typical core

sets

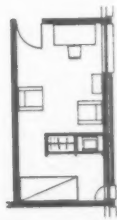
sets

study bedrooms

study bedrooms



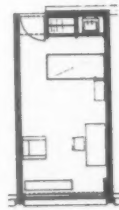
TYPE A.1
185 sq. ft.



TYPE A.2
185 sq. ft.



TYPE B
205 sq. ft.

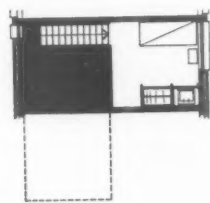


TYPE C
185 sq. ft.



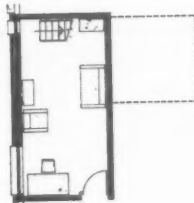
TYPE D
185 sq. ft.

sets

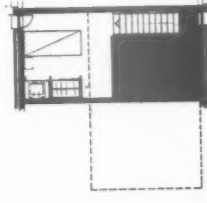


TYPE S
upper level

275 sq. ft.

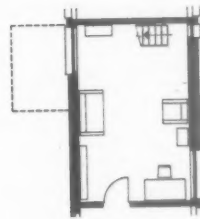


lower level



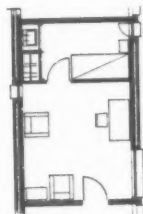
TYPE T
upper level

325 sq. ft.

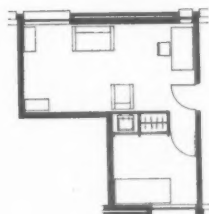


lower level

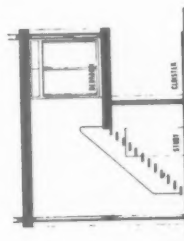
sets



TYPE U
238 sq. ft.

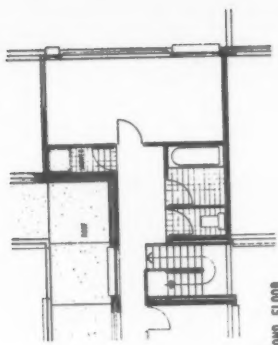


TYPE R
248 sq. ft.

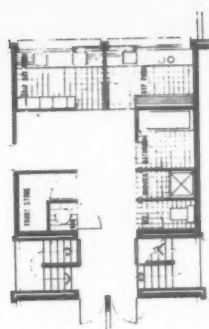


SECTION THROUGH TYPE T

typical core



SECOND FLOOR



FIRST FLOOR



GROUND FLOOR

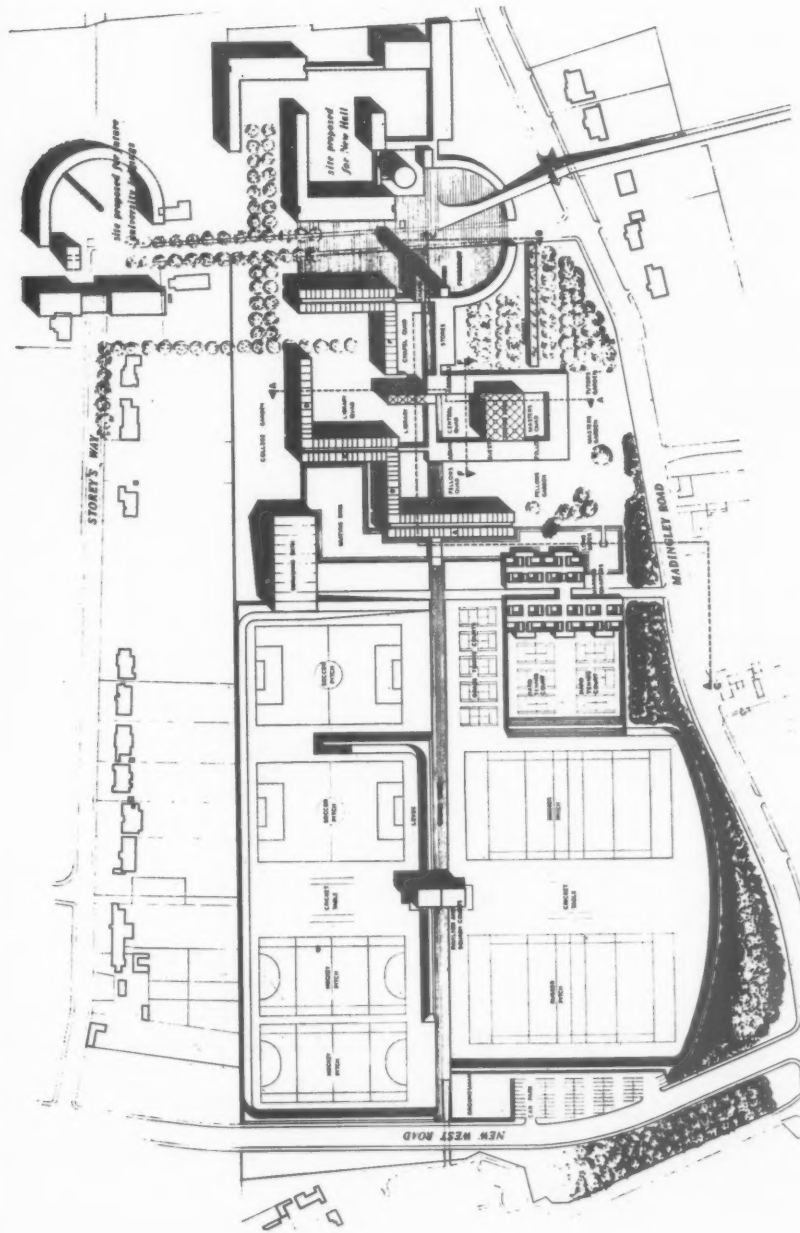
CHURCHILL COLLEGE: DESIGN BY CHAMBERLIN, POWELL AND BON



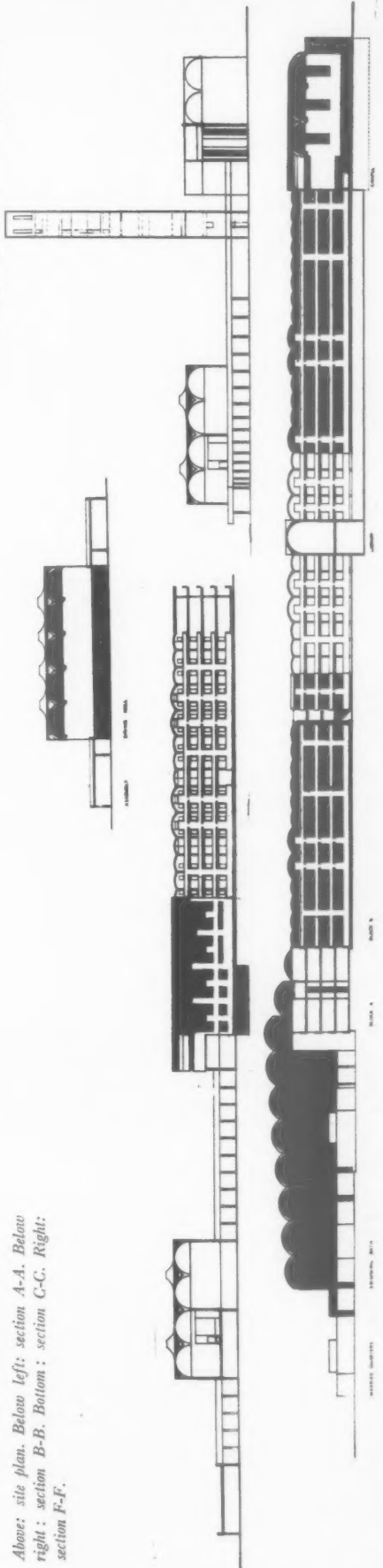
View from the east with the chapel in the centre, and opposite the tower, with porter's lodge at the foot, which marks the entrance.

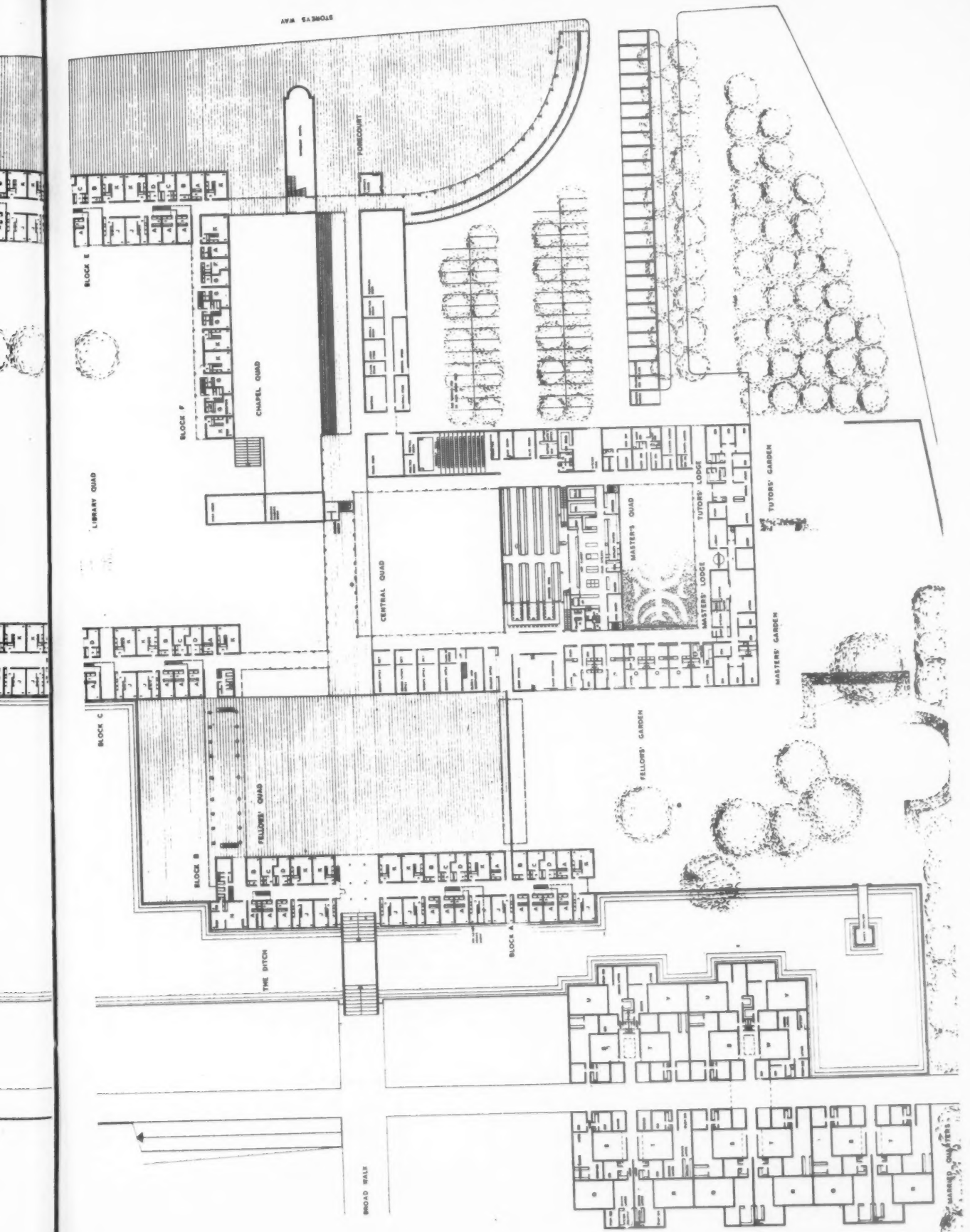
FROM THE COMPETITORS REPORT: Two other new colleges are being planned imme-

FROM THE COMPETITORS REPORT: Two other new colleges are being planned immediately to the north: Fitzwilliam House and New Hall, presenting the opportunity of creating a new university precinct. Storey's Way could be closed to traffic so that a "parade," largely restricted to pedestrians, could be formed round which the three colleges would be grouped. (See site plan.) A bridge over the Madingley road provides a pedestrian and cyclist route to the university library and the new arts building. An east-west axis is planned for Churchill College, extending from the main entrance off the forecourt in Storey's Way to the Observatory. The rooms are planned round central stairs, with six studies and three or four sets per floor; and the blocks are grouped to enclose interconnecting quadrangles varying in height from one to four storeys. Round the central quadrangle are the Hall, library and administration rooms, the students' rooms extending north and the Masters' and Fellows' accommodation to the south. To the west, along the axis, are the playing fields, divided into three areas by *levées* which provide banks for good views and prevent the visual confusion of seeing many games taking place at once. Construction: load-bearing walls are of concrete, poured into shuttering lined with sand-blasted Douglas fir plywood; external walls, exposed flint aggregate; columns, polished concrete. Windows: bronze. Floors: stone or slate, quarry tile and wood block.

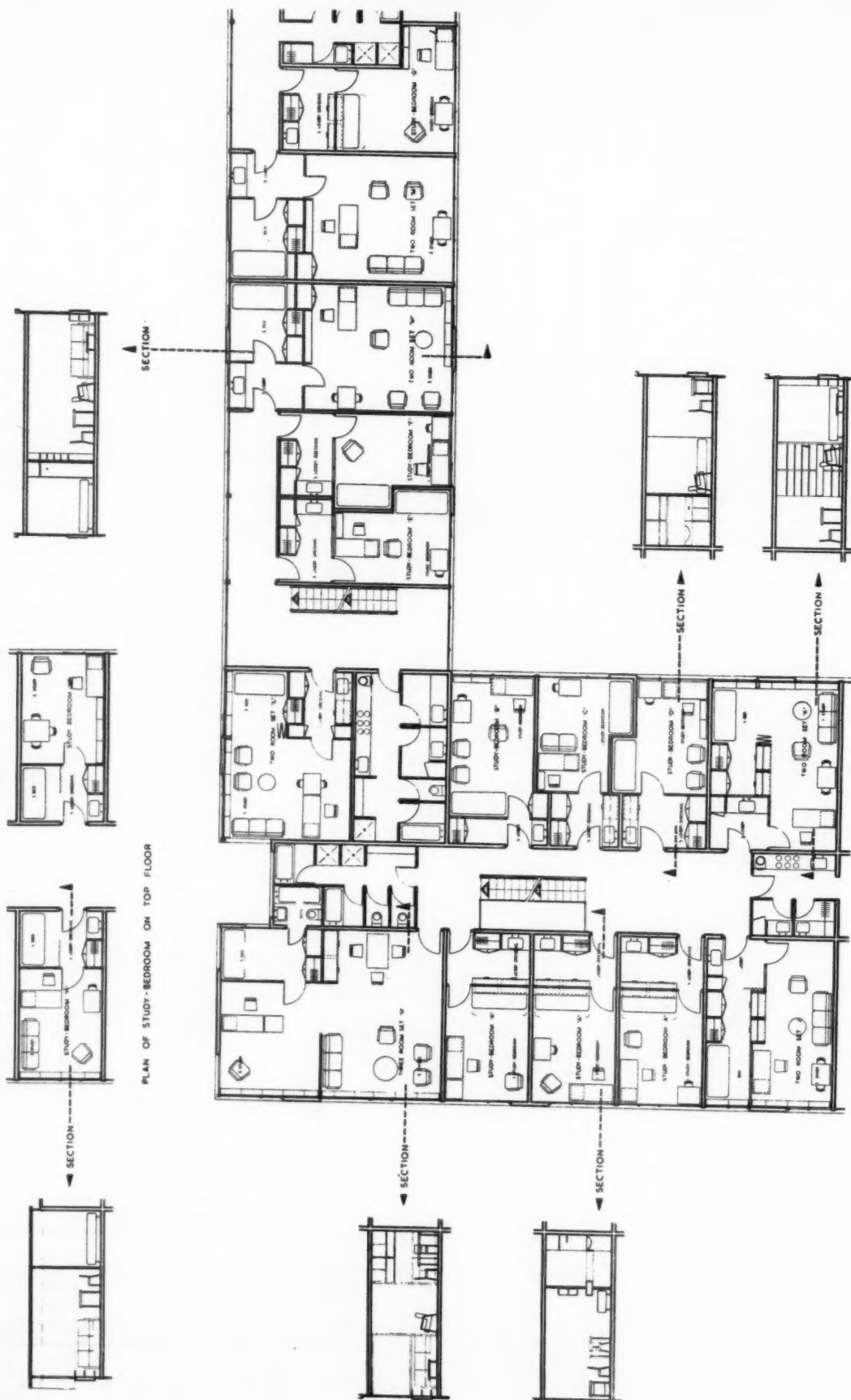


Above: site plan. Below left: section A-A. Below right: section B-B. Bottom: section C-C. Right: section F-F.





CHURCHILL COLLEGE: DESIGN BY CHAMBERLIN, POWELL AND BON continued



PLAN OF STUDY-BEDROOM ON TOP FLOOR

PLAN OF TYPICAL FLOOR

CHURCHILL COLLEGE: DESIGN BY HOWELL, KILLICK AND PARTRIDGE

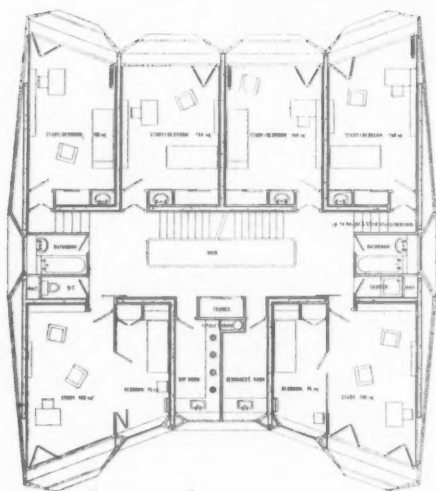
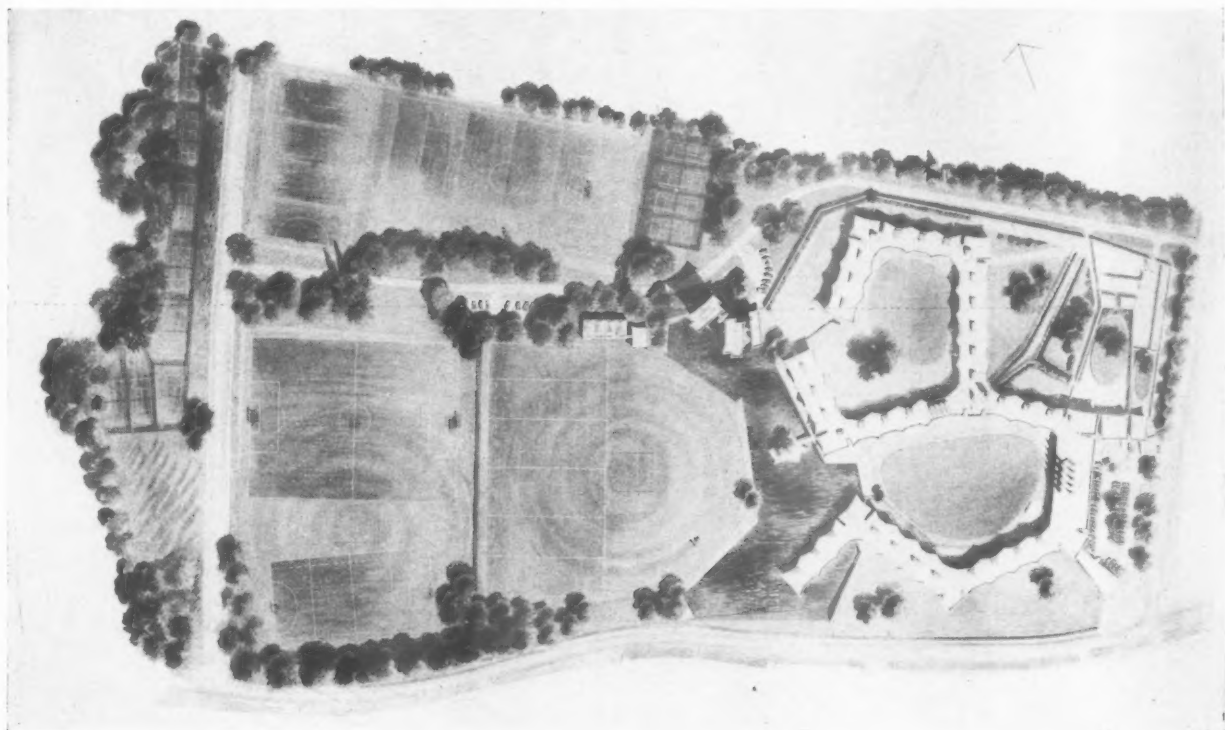
FROM THE COMPETITORS' REPORT: In this design every attempt has been made to create something which could be unmistakably a college and could not be taken for a school or group of housing. The eleva-

tions are highly modelled to give maximum light and shade effects, even in dull weather. One precast concrete unit (Portland stone aggregate) forms the outside wall of each room. It is modelled so that light is graded

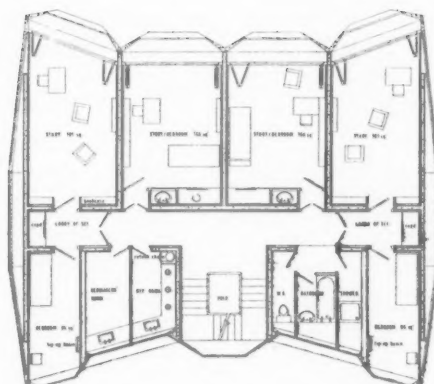
into the interior by splays. Behind this is an inward-opening floor-to-ceiling window. The layout is largely non-rectangular to avoid sharp turns and provide a natural flow of movement through the cloisters. The courts

Continued on page 25.

Below: site plan. Centre: plans of two typical units. Bottom: sectional elevation through library and block 8.



EAST/WEST UNIT

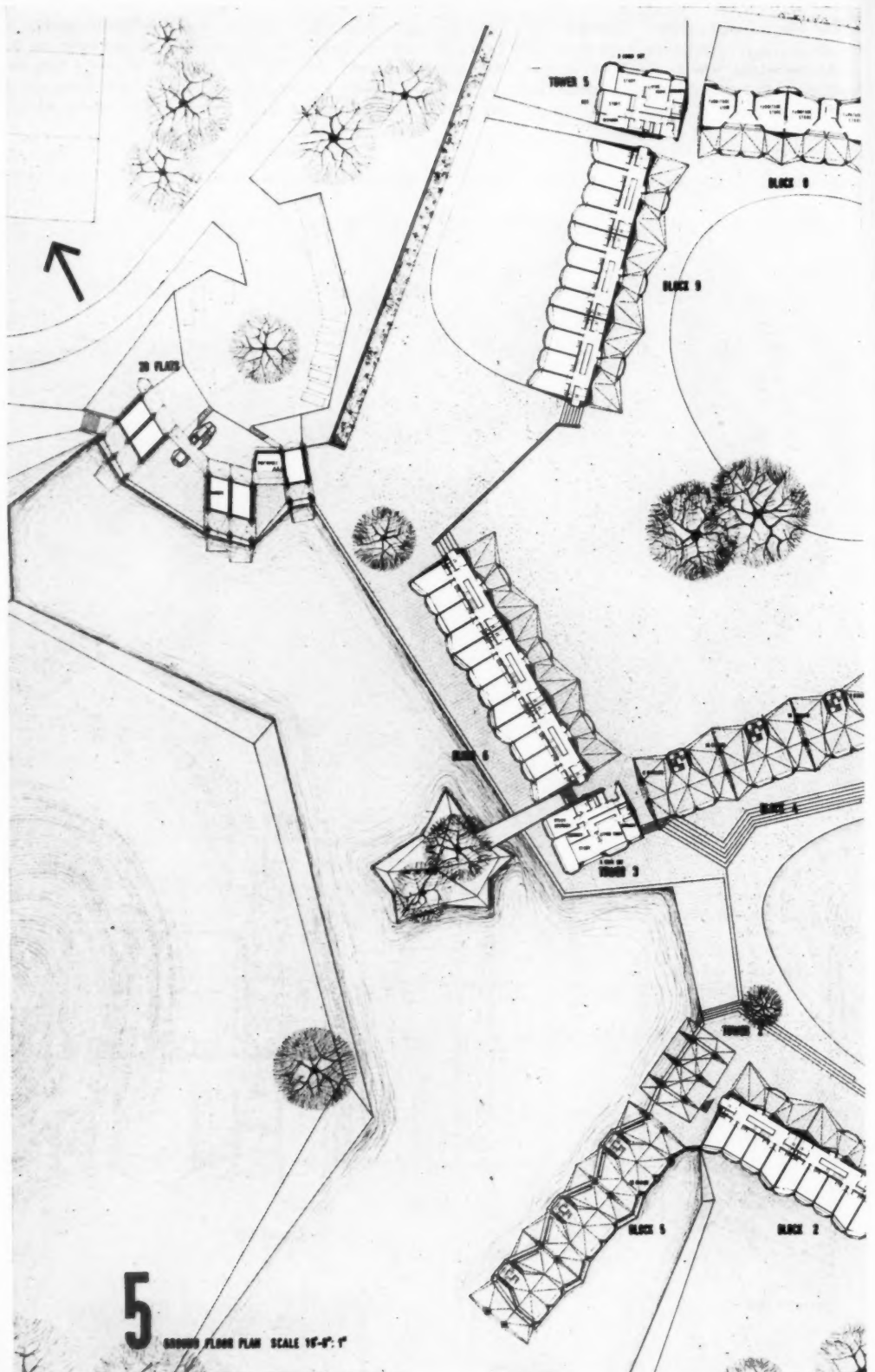
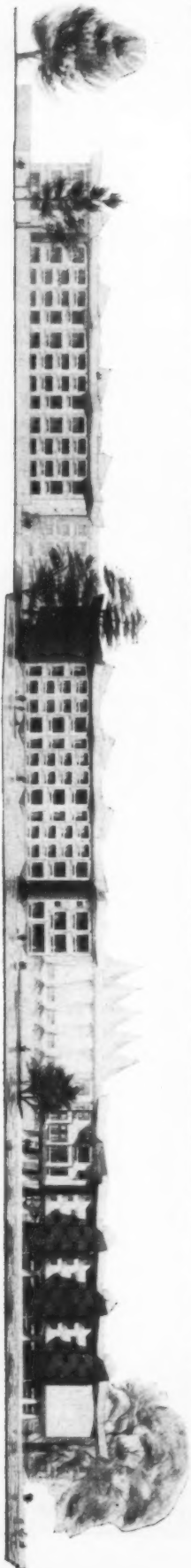


SOUTH-FACING UNIT



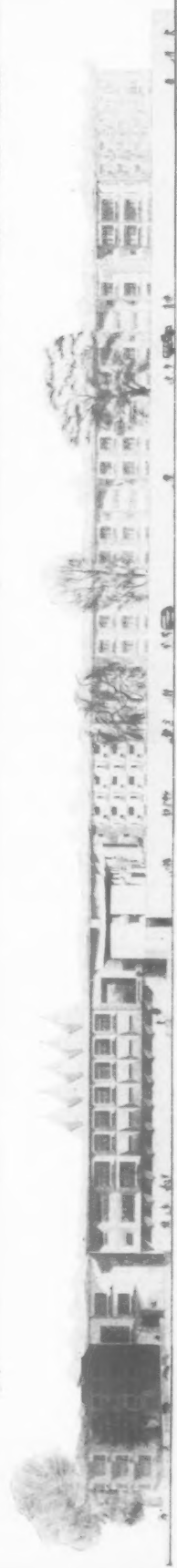
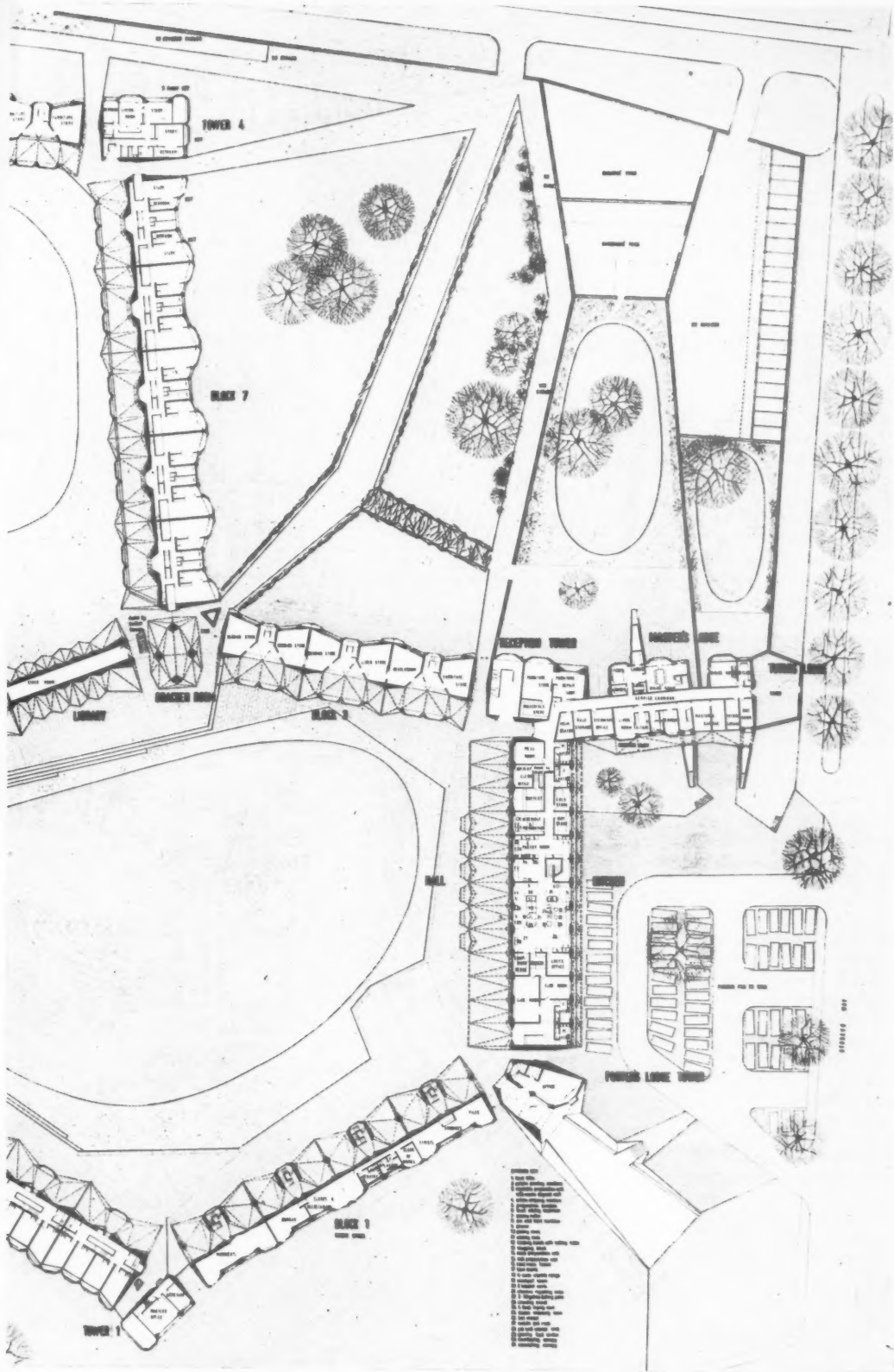
CHURCHILL COLLEGE: DESIGN BY

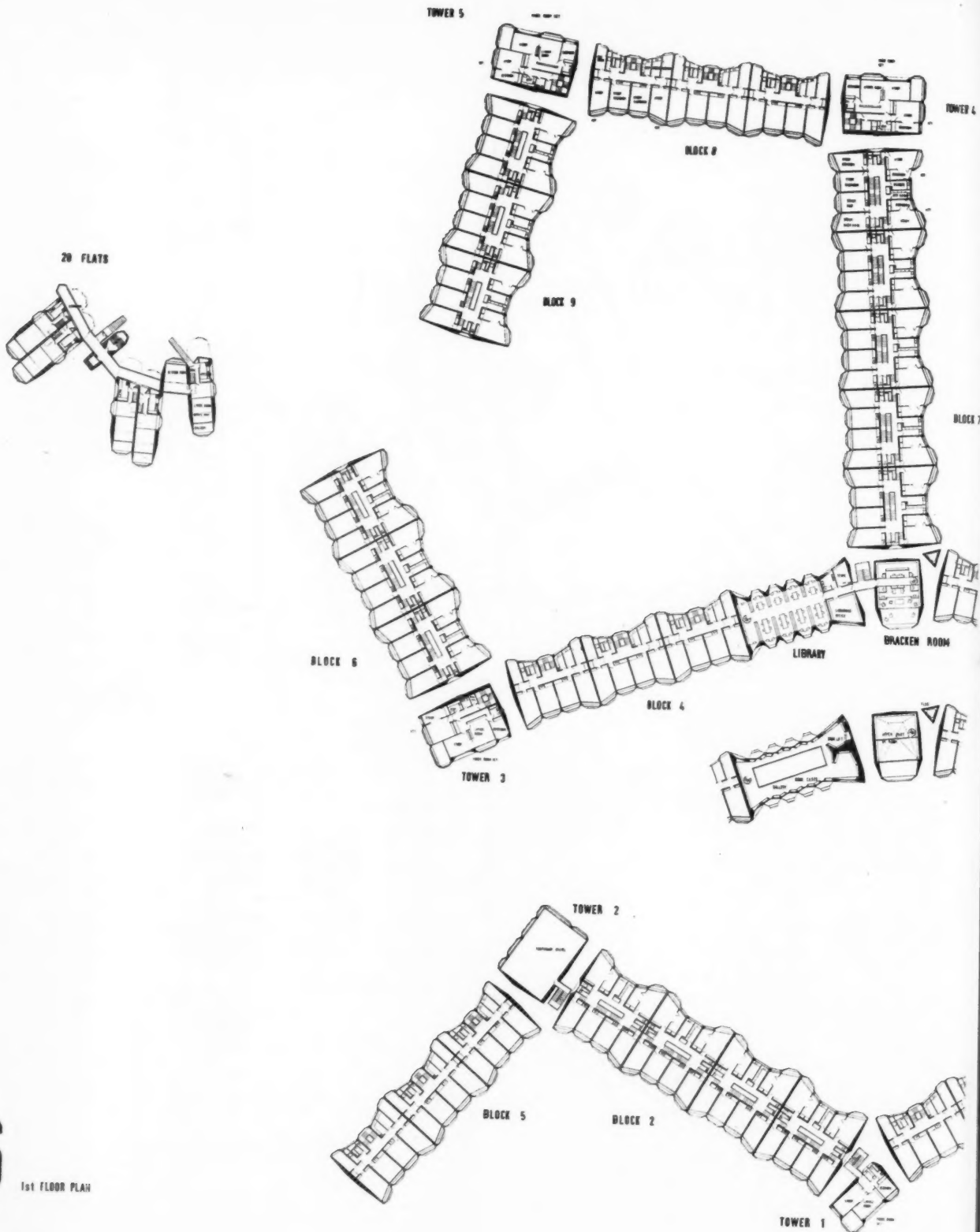
HO



Above: ground floor plan. Left: west elevation. Right: south elevation. Far right: east elevation.







6

1st FLOOR PLAN



CHURCHILL COLLEGE COMPETITION: DESIGN BY HOWELL, KILLICK AND PARTRIDGE continued

(continued from page 21)

enclosed are large (the smaller is larger than Trinity Great Court) and access to the rooms in the four-storey blocks is by internal stairs, top lit. About 20 members of college live on each stair. The main entrance, via the Porters' Lodge, is from the corner of Storeys' Way and Madingley Road. Next to the Porters' Lodge is the Hall and JCR. From this hub spreads the cloister which enables all rooms to be reached under cover. The out-of-doors route is only slightly more direct. The cloister has canted ceilings, to avoid the appearance of a bare rectangular corridor, and the daylight is graded by reflections off the splays of the structural members. The roof forms a complementary continuous walkway, partly for the views afforded and for sunbathing, and partly to improve communication, as each stair opens on to it. The Hall is the first communal building to be seen when approaching from Cambridge, being accentuated by a roof lantern which is the highest part of the college. From the broad cloister beneath the Hall is visible the library and the Bracken memorial reading room. The site for the Chapel, on an island in the lake, forms a static end-point to the sequence of buildings (The temporary Chapel required is in tower 2.) The Hall is lit partly by low windows and partly by indirect top lighting falling on to the canted surfaces of the ceiling. The interior shell of the Hall is of plywood. There is a long gallery on the east side with french windows opening on to a roof terrace with views over Cambridge. Construction: reinforced concrete; windows: teak or anodised aluminium; heating: electric under-floor cables, or floor-embedded hot-water coils. Cost: £1,300,000. This is above the trustees' target, £1,100,000, but the building includes features in excess of stated requirements: i.e., cloisters, high ceilings in communal rooms and panelled studies. [The assessors stated in their report that they considered the architects had underestimated the cost of this building. We are informed by the architects that this is due to a misunderstanding of the quantity surveyors' method of working.]

TOWER 4

BLOCK 7

ROOM

BLOCK 3

HALL

BLOCK 1

RECEPTION TOWER

MASTERS LODGE

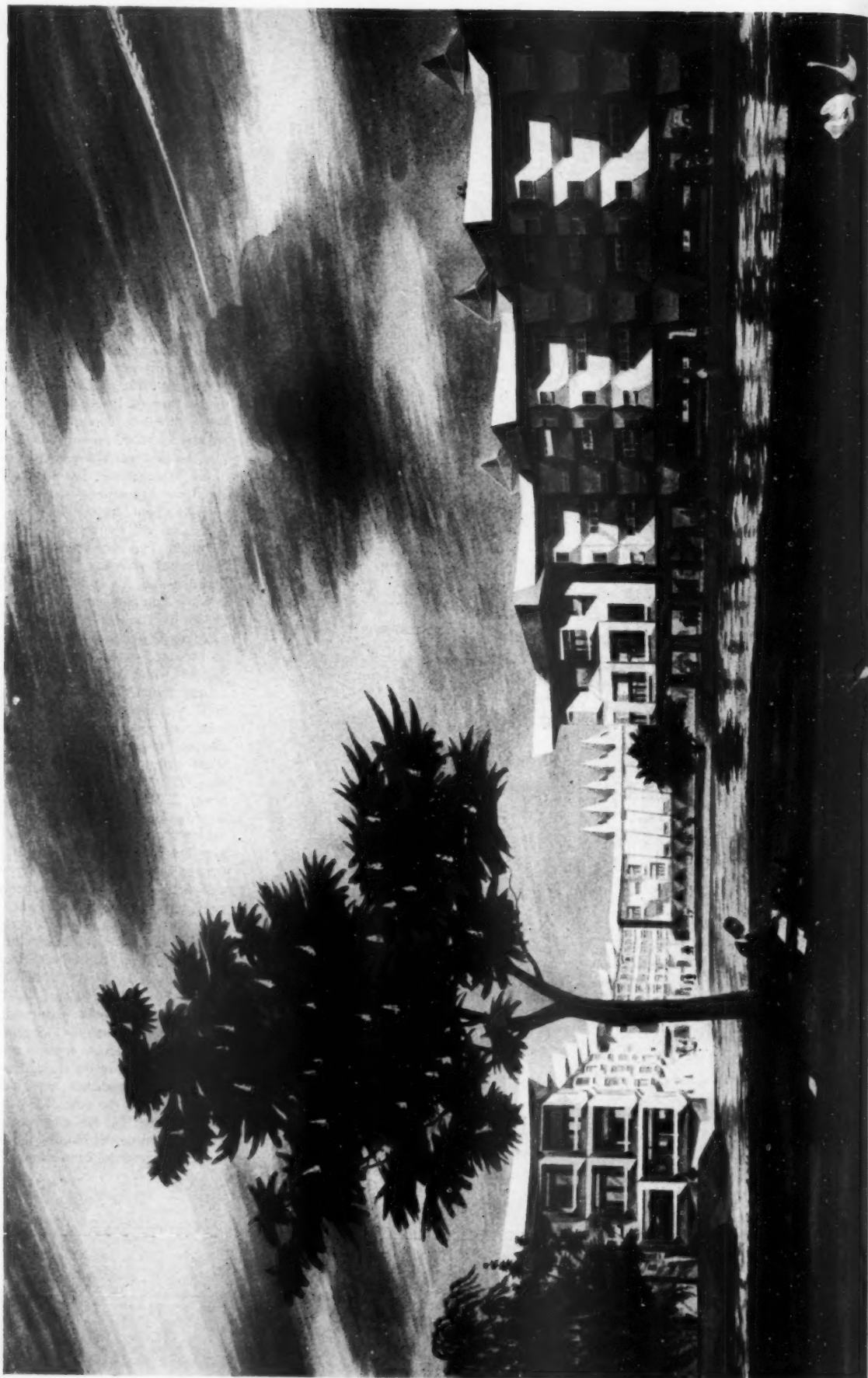
PORTERS LODGE TOWER

1. MAIN ENTRANCE
2. RECEPTION TOWER
3. JCR
4. HALL
5. PORTERS LODGE TOWER
6. CLOISTER
7. LIBRARY
8. BRACKEN MEMORIAL READING ROOM
9. CHAPEL
10. CHAPEL TOWER
11. CHAPEL
12. CHAPEL TOWER
13. CHAPEL
14. CHAPEL TOWER
15. CHAPEL
16. CHAPEL TOWER
17. CHAPEL
18. CHAPEL TOWER
19. CHAPEL
20. CHAPEL TOWER

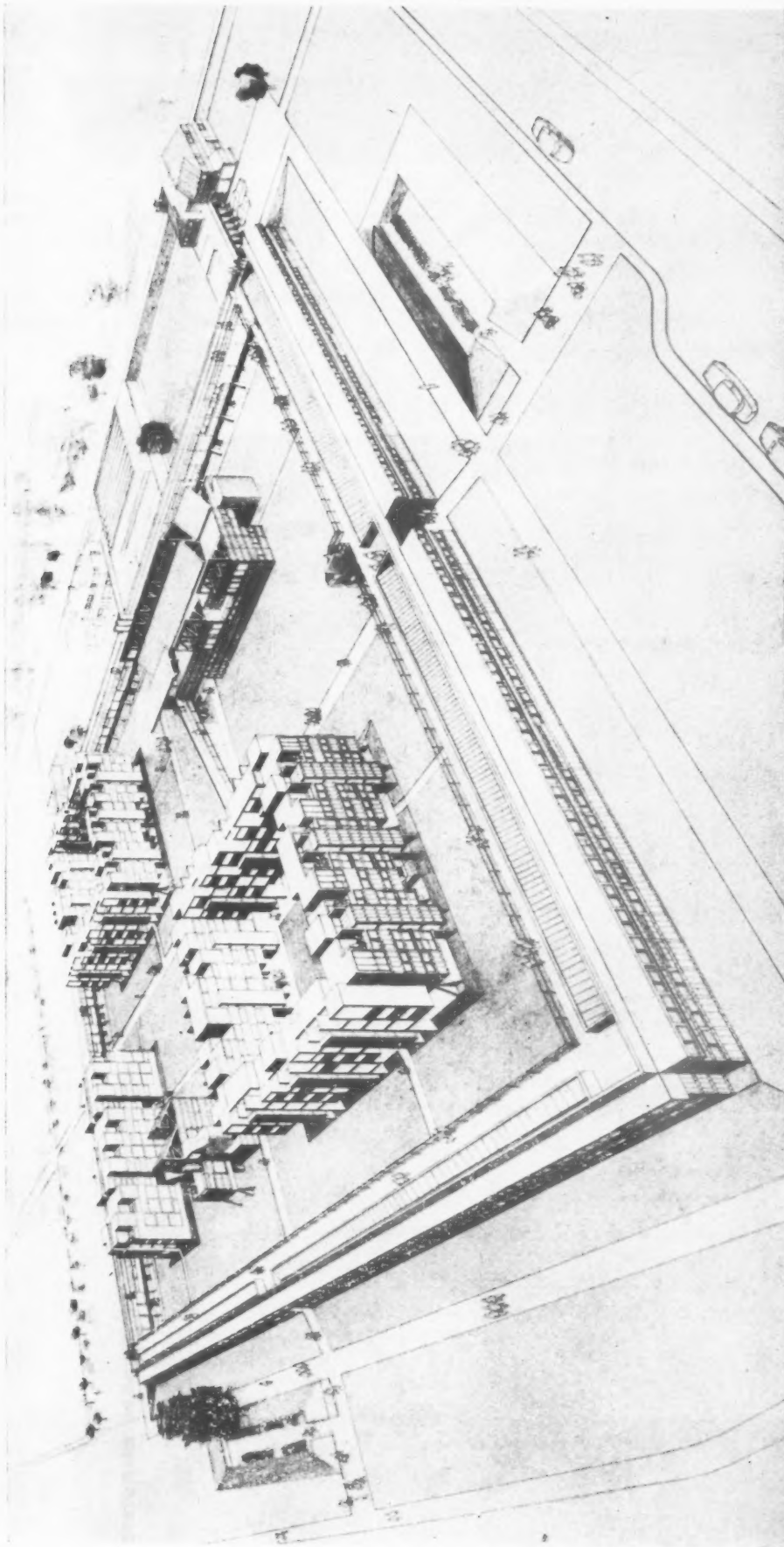
Above left: first floor plan with, inset, the second floor plans of library, Bracken Room, reception tower and Hall. Left: north elevation.

CHURCHILL COLLEGE: DESIGN BY HOWELL, KILLICK AND PARTRIDGE continued

View from the west, looking into the main courtyard with the Hall in the background and block 5 on the right.



CHURCHILL COLLEGE: DESIGN BY STIRLING AND GOWAN



View from the south-west.

FROM THE COMPETITORS REPORT: The flat and almost rural character of the site indicated that in designing a group of buildings as a residential college it was important to create an internal environment, private, enclosed and protected.

The intention to make a single great court, surrounded by residential accommodation using only staircase access, determined that any surrounding building would be low in

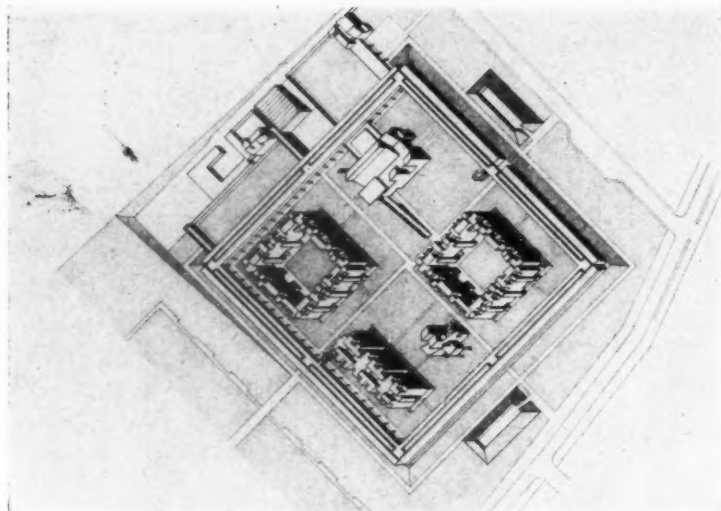
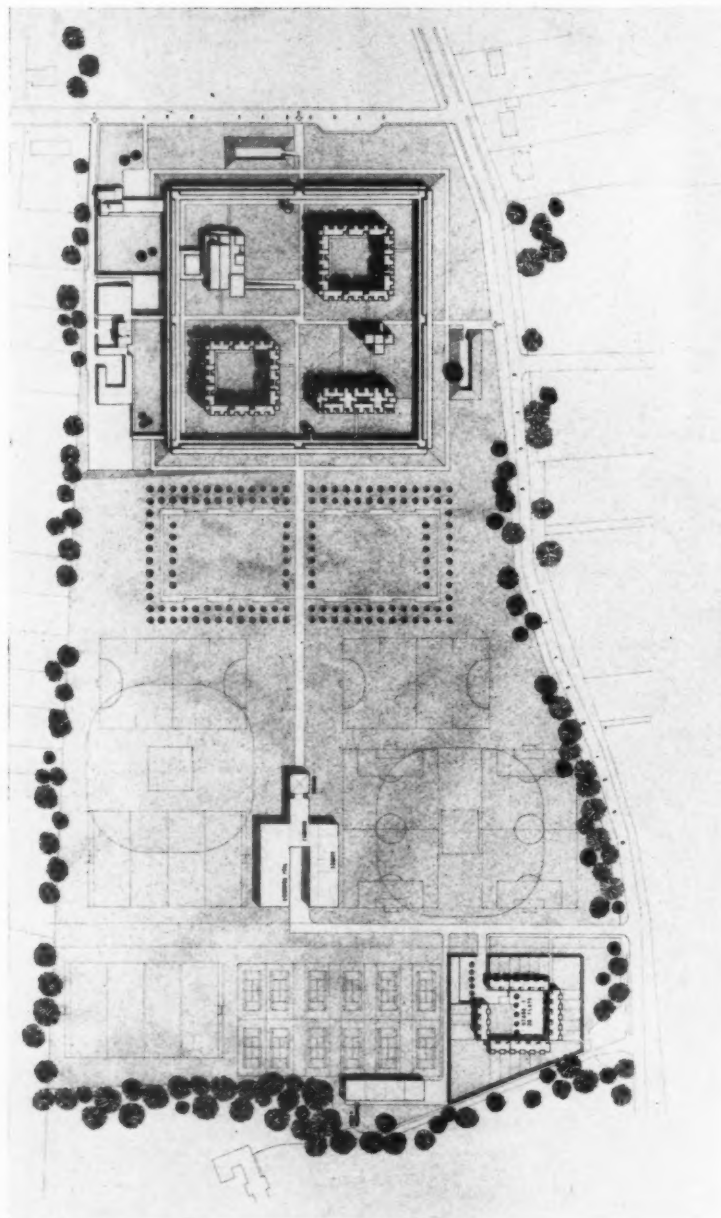
height. To achieve a degree of monumentality when seen from outside the college all the buildings including the outer ring have been raised on a turfed bank forming a podium. There are dominating elements in the interior buildings whose more complex silhouettes can be seen from all points of view above the parapet of the outer ring. The outer ring of college rooms, encloses the great court within which stand the

library and a building-complex containing hall, combination rooms, assembly and kitchen. This outer ring will establish the entity of the college at the first stage of building operations. Entry to the accommodation in the outer ring is direct from the cloister into a top-let hall which contains a single flight staircase to the upper level. On an average four or five rooms or sets are grouped about this staircase and each group has its own

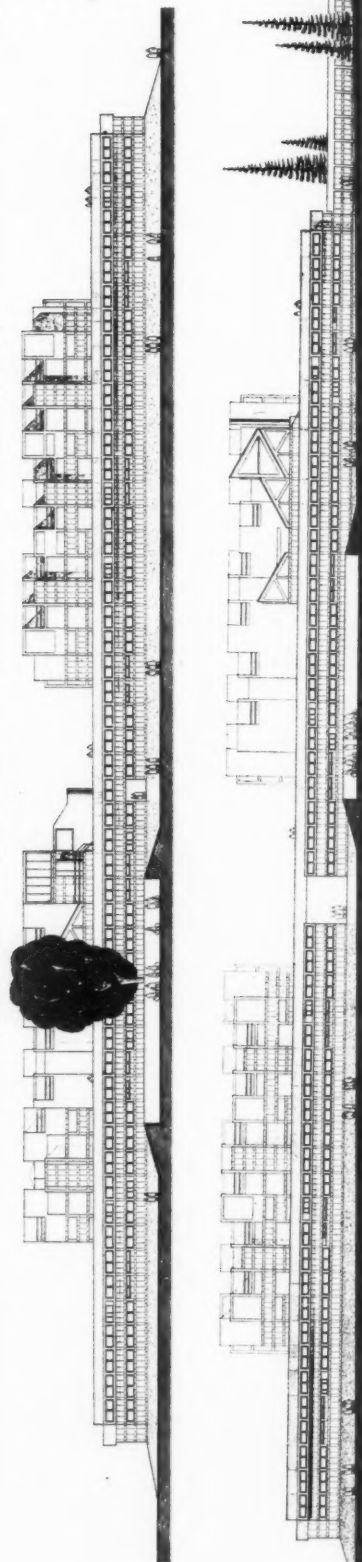
gyp, bathroom, w.c. and shower. Shared with the adjoining staircase group are the luggage and drip-dry rooms and the cleaners' gyp.

The cloister which runs completely round the inside of the outer ring gives protection from the weather to members going to all parts of the college. The roof of this outer ring is intended as a high level walk of almost half a mile and access to this terrace is

CHURCHILL COLLEGE: DESIGN BY STIRLING AND GOWAN continued



Above left: site plan.
Above: axonometric
from the south east.
Left: south elevation.
Below: east elevation.



Take **ASTOS** the dampcourse

—for permanence, for a toughness that withstands vibration and normal foundation settlement, for easy identification on site. ASTOS, Standard or lead-lined, the original asbestos/bitumen dampcourse, complies with the British Standard requirements (B.S. No. 743, 1951). 24 ft. rolls, in wall widths up to 36 in. Standard (Type 5C) 7-lb. per sq. yd. Lead-lined (Type 5F) 9½-lb. per sq. yd.



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Take **ASTOS** and **ZYLEX** for perfect protection and insulation. Specify them together.



For technical literature write to:

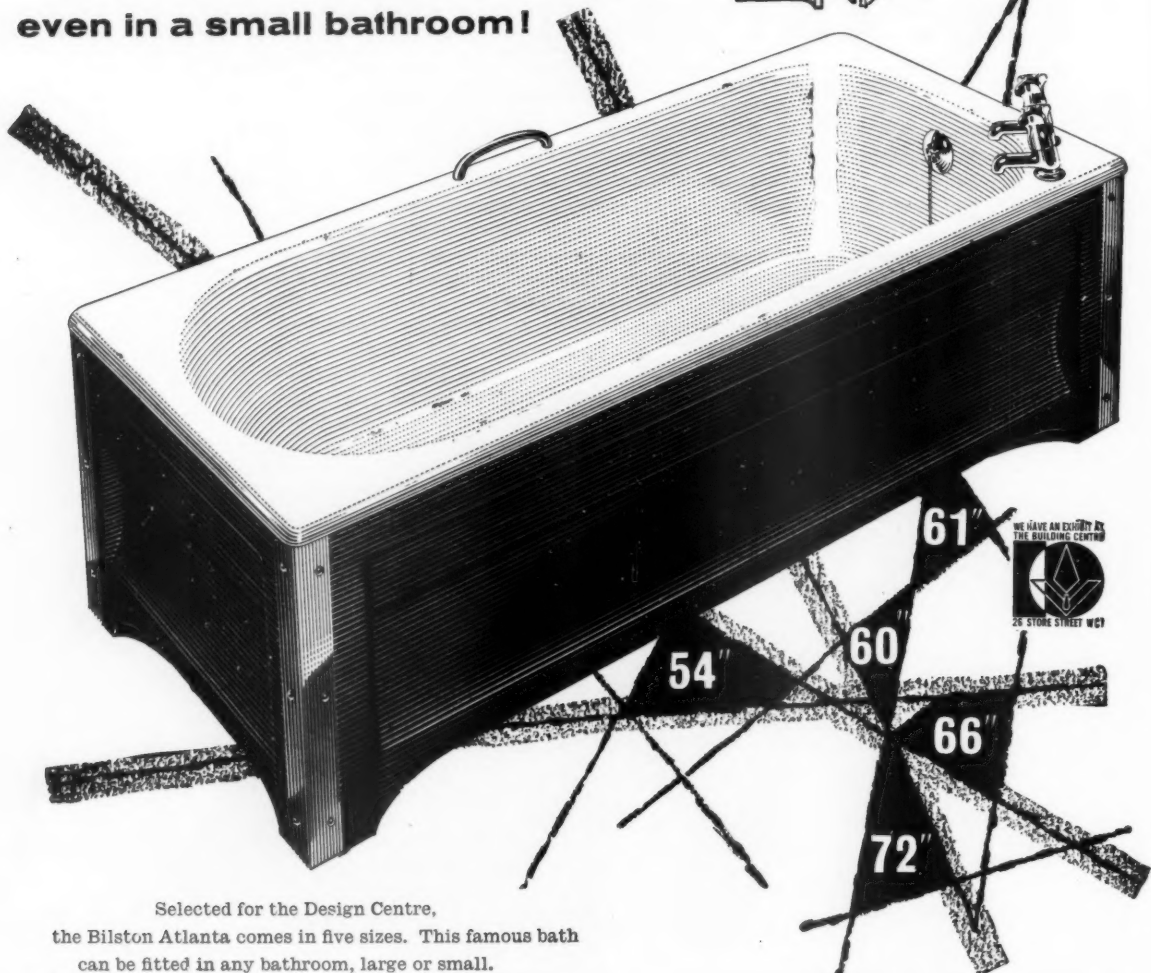
THE RUBEROID COMPANY LIMITED 2 COMMONWEALTH HOUSE • 1-19 NEW OXFORD STREET • LONDON W1C

ZA 461

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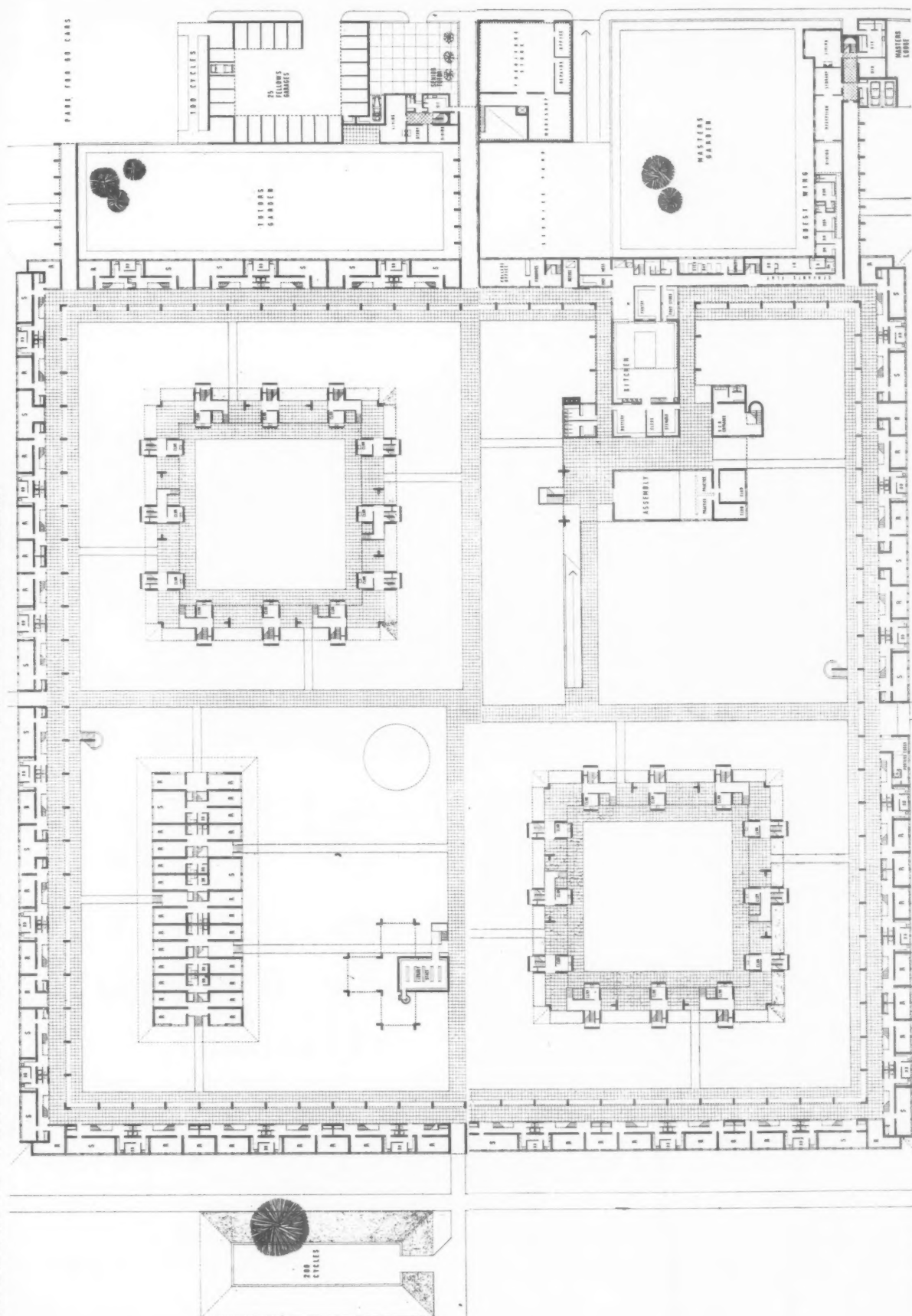
Safety. The low sides make the Atlanta safer for young and old. It can be fitted to give an overall height of only 16".

Taps can be fitted centrally, or on either corner to facilitate installation and maintenance.

Fittings. The Atlanta is supplied with or without overflow... with or without hand grip. The feet can be adjusted to accommodate all types of trap, including the Bilston 'Wasteflo' prefabricated waste, trap and overflow unit. Also available with the Bilston O.P. Hand Grip helpful to the elderly or infirm.

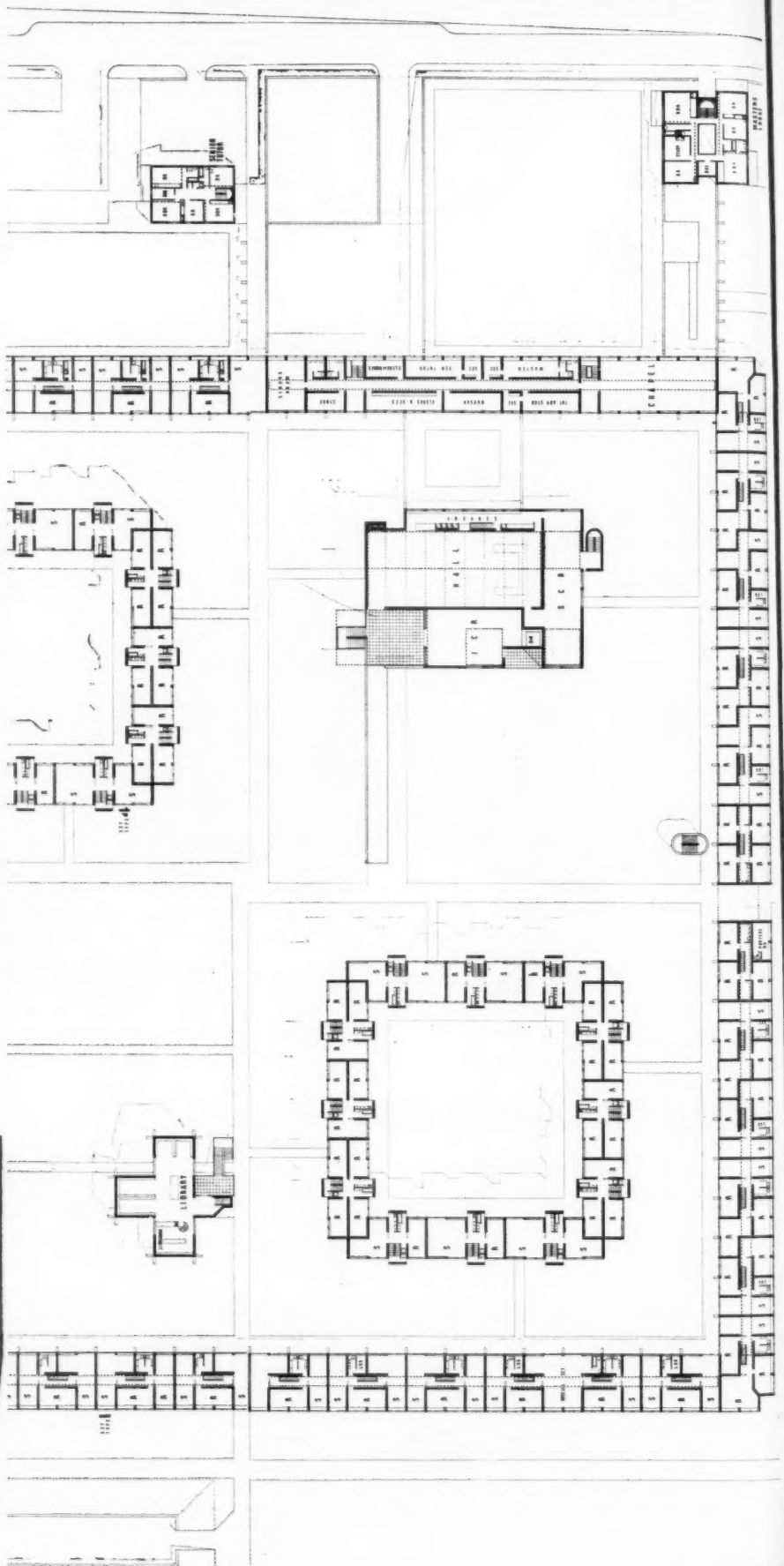
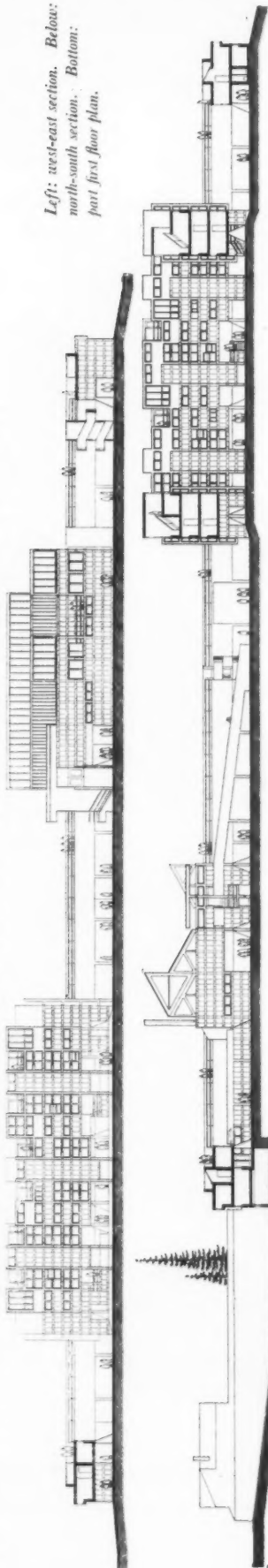
Colours. The Bilston range includes white, or the exact colour required for any decorative scheme.

CHURCHILL COLLEGE: DESIGN BY STIRLING AND GOWAN continued



round floor plan

CHURCHILL COLLEGE COMPETITION: DESIGN BY STIRLING AND GOWAN continued



Assurance of sound planning and design...

This handsome office block impressively sited at Kingswood, Surrey, was recently completed by Richard Costain Ltd. for the Legal & General Assurance Society. It is a "T" shaped building, rising in its centre to six storeys.



The Costain combination of sound preliminary planning plus technical experience and skill enabled the contract to be finished in less than 18 months.

...secured this
'Legal & General'
contract for



Architect: RONALD FIELDING, A.R.I.B.A.

Richard
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HOPE'S

COMPLETELY REVERSIBLE

WINDOWS

would have prevented this..

**The windows
100ft. up
stay dirty...**

PEERING through murky panes, housewives in first "skyscraper flats" in . . . Street, are taking a dim view of the Town Council.

It is unfair and dangerous, they say, that the Council should expect them to clean their own windows—when the only method is by leaning out backwards over a sheer drop of up to 100 feet.

"I don't care how dirty my windows get—I just can't do it," a housewife said today.

"There is nothing more terrifying than sitting out over the ledge and trying to clean these huge panes, knowing that one small slip will send you hurtling down.

"It's a job for a steeplejack or a mountaineer—certainly not for council tenants."

Firm for job

. . . Housing Manager . . . said: "When the 11-storey flats were designed, the architects thought it would be comparatively easy to clean the outside of the windows by leaning out with a mop or rag on a stick.

"However, in view of the protests, I am investigating whether any local window-cleaning firm would consider taking on the job.

"I have some sympathy with the housewives—I haven't much of a head for heights myself."

HOPE'S




● In Birmingham new multi-storey flats are being fitted with reversible window frames so that the glass can be cleaned from inside the rooms. With the older multi-storey flats in the city the cost of having the outside of the panes cleaned is borne by the Housing Revenue Account.

*Extract from
"Birmingham
Mail"*

*Friday, May 22
1959*

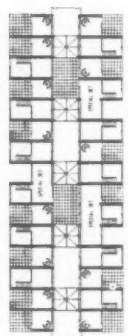
Send for List 284a: HENRY HOPE & SONS LTD
Smethwick, Birmingham & 17 Berners St., London, W.1

MEMBER OF THE METAL  WINDOW ASSOCIATION

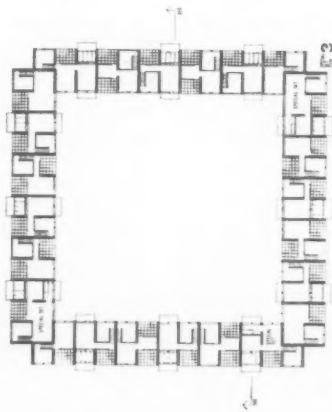
CHURCHILL COLLEGE: DESIGN BY STIRLING AND GOWAN continued



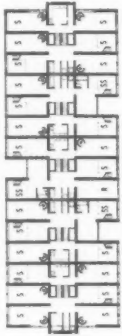
SECTION STAIR 445 REARS



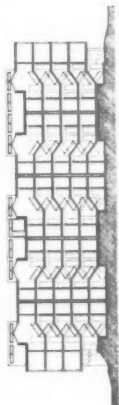
PLAN STAGE 3 BLOCK
2ND FLOOR UPPER LEVEL



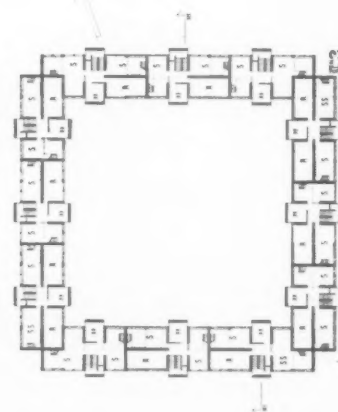
PLAN STAGE 445 REARS
2ND FLOOR UPPER LEVEL



PLAN STAGE 3 BLOCK
2ND FLOOR LOWER LEVEL



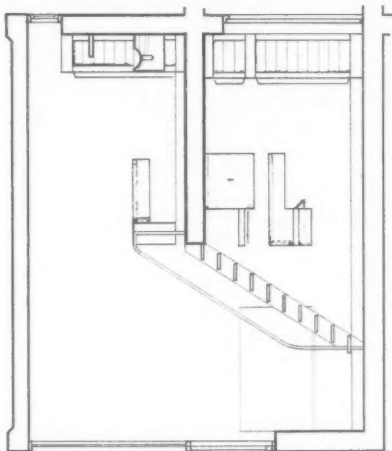
SECTION STAIR 3 REARS



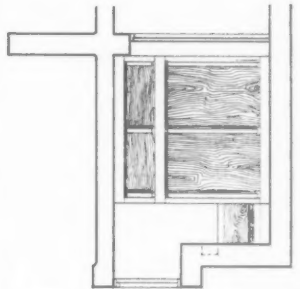
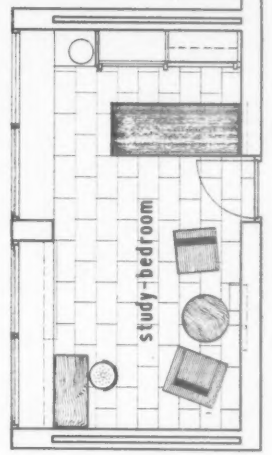
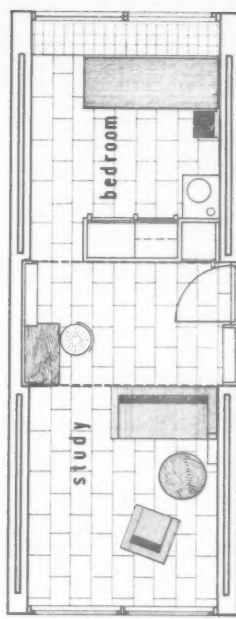
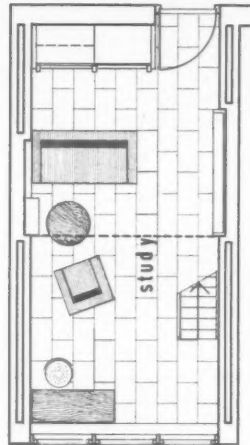
PLAN STAGE 445 REARS
2ND FLOOR LOWER LEVEL

from two free-standing stairs on the east and the west sides of the great court. The hall and combination rooms have timber-panelled walls and ceilings and the open internal roof trusses are of pre-cast concrete. The construction of the main residential ring consists of reinforced concrete slabs supported on reinforced concrete beams and columns. Columns are normally at 10-ft. centres except for some columns by ground floor entrances and for the tapered columns

at 20-ft. centres from ground to first floor on the inner face of the ring. In the assembly and combination rooms pre-cast concrete trusses which also occur on the library are used for the small span roofs of this block. For the main roof over the dining hall the trusses are combined with pre-cast concrete triangular frames to form trusses spanning 40 ft. The exact form of the roof is to be finally resolved from a more detailed structural analysis.



Far left: section and upper floor plans of residential blocks. Left: plans and section of slab block. Right and below: typical plans and sections of study-bedroom sets.





This week, as the printing industry returns to normal, we are giving readers a summary of the main items of news which have occurred in the last eight weeks since publication of the JOURNAL ceased.

RIBA

Hon. Officers

The following honorary officers have been appointed by the Council of the RIBA for the session 1959-60 (new appointments marked*)

Vice-Presidents:

Norman H. Fowler (Chairman of the Allied Societies' Conference), A. G. Shephard Fidler, Sir Hugh Casson* and Donald E. E. Gibson.*

Honorary Secretary: Richard H. Sheppard. Honorary Treasurer: Hubert Bennett.* In making the appointment of Honorary Treasurer, the Council followed the recommendation of the Constitutional Committee that all honorary officers should be elected members of council, and did not reappoint Mr. Jefferiss Mathews, the former Hon. Treasurer, who was unsuccessful in the Council elections. But the Council paid tribute to Mr. Mathews' work over the past three years, attributed the improved financial position to his work, and expressed regret that he would not be in office to take credit for the improved position.

Election Results

The result of the election of the RIBA Council for 1959-60 is as follows:

President: Basil Spence (unopposed).

Past Presidents: K. M. B. Cross and Sir Howard Robertson (unopposed).

| | |
|--------------------------------------|--------------|
| <i>Fellow Members of Council:</i> | <i>Votes</i> |
| 1. Sir Hugh Casson | 2,115 |
| 2. Donald E. E. Gibson (Chessington) | 1,797 |

3. Eric A. Lyons (East Molsey) 1,633

Associate Members of Council

| | |
|-----------------------------------|-------|
| 1. W. A. Allen (Garston) | 1,858 |
| 2. Stirrat A. W. Johnson-Marshall | 1,827 |
| 3. Henry T. Swain (Nottingham) | 1,146 |

Licentiate Member of Council

| | |
|---------------------------------|-------|
| 1. Gwyn Henry Morris (Coventry) | 2,926 |
|---------------------------------|-------|

Ordinary Members of Council

| | |
|-----------------------------|-------|
| 1. Richard H. Sheppard (F.) | 1,427 |
| 2. Frederick Gibberd (F.) | 1,371 |
| 3. Denis Clarke Hall (F.) | 1,222 |

Candidates Not Elected

Tom Mellor (A.) (Lytham St. Annes). Andrew G. Derbyshire (A.) (Sheffield). H. J. Whitfield Lewis (A.). L. C. Howitt, (F.) (Manchester). Fred. B. Pooley (F) (Aylesbury). Bryan P. Westwood (F.). Eric Bedford (A.). Denzil B. Nield (A.) (Bristol). F. H. Crossley (F.) (Derby). E. D. Jefferiss Mathews (F.). J. H. Forshaw (F.). C. H. Simmons (A.) (Lytham, Lancs). A. J. Gordon (A.) (Cardiff). R. W. Paine (A.) (Fordwich, nr. Canterbury). A. Steele (A.) (Edinburgh). J. R. Parker (A) (Birkenhead). G. T. Tait (F.). F. R. Steele (F.) (Chichester). R. O. Foster (F.) (Buckhurst Hill). R. D. Scott (F.) (Guildford). J. B. Brandt (F.) Southampton). M. H. G. Blackman (A.) (Luton). G. W. Dixon (A.) (Harwell). C. H. Pike (F.) C. H. Bingham-Poyell (A.) (Surbiton). D. P. Marshall (F.).

Allied Societies "Revolt"

The Presidents of the Allied Societies have submitted an agreed statement to the Constitutional Committee of the RIBA on its second report. The two cardinal points of the Presidents' statement were:

1. That on the understanding that Allied Societies' Councils were elected by a democratic procedure approved by the RIBA, the RIBA should leave it to those Councils to select their representative to the RIBA Council by whatever means they wished.

2. That the proportion of nationally to regionally elected members of the RIBA Council should be one-third to two-thirds.

The Presidents are also understood to have reservations about the proposal that all RIBA members in the provinces automatically become members of the appropriate allied society, and about the proposed block grant by the RIBA to allied societies.

Architects Should Design Factories

The Public Relations Committee of the RIBA have produced another brief pamphlet advising the layman to use the architect's services: in this instance in the design of factories. Well designed, printed in two colours on A-series sized paper, it presents with irrefutable logic the case for employing an architect. Copies can be obtained, free, on application to the Secretary of the RIBA.

"Costs" in Technical Information

The architect's need for cost information in technical information is the subject of a statement by the RIBA's Cost Research Committee. Their recommendations have been discussed with the Institute of Practitioners in Advertising, who have agreed to pass them on to advertising agencies so that clients can be told about them. The committee states: "The architect must always seek the latest information from manufacturers on new products. This information must give technical details of specification and performance of the material or product, which must always be considered in relation to cost.

Manufacturers are often reluctant to state costs in trade literature that is addressed to architects. Cost of raw materials and labour fluctuate so that costs may be out of date even before the literature is printed. Delivery charges, rates for quantities and discount rates to different sections of the building industry are variable.

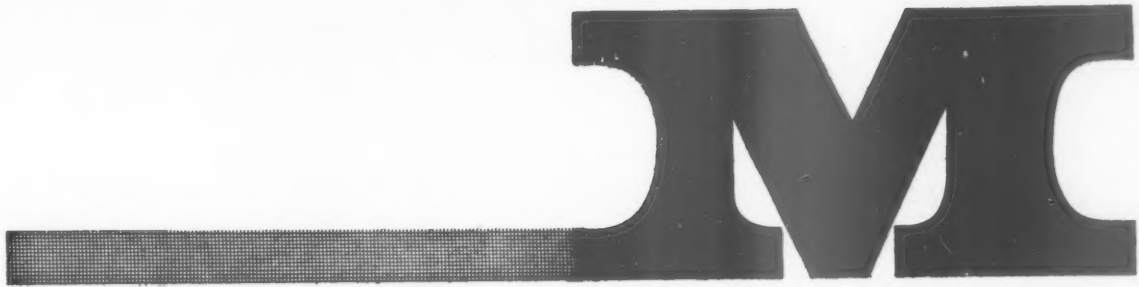
Although these reasons are all valid, the architect may not have the time to pursue by telephone call or letter to the manufacturer, or by receiving his representative, the cost of all the materials he wishes to consider. He must have a guide figure available right at the commencement of his selection, if he is not to develop his design with products which he discovers, too late, are beyond his client's permitted expenditure.

The appreciation of the fact that list prices will not obtain in all cases can safely be left to the architect, and some guide price for a quantity at a known date will always be of more value to him than his own guess.

We would, therefore, recommend in the interests of more economic building that all manufacturers and firms publishing literature about building products should not only conform to the sizes and provide the technical information recommended by BS 1311: 1958, but should always give, in addition, some indication of costs at a given date."

Architects in Industry

The Council has approved a report from the Architects in Industry Group, consisting of 18 architects employed full-time by industrial companies under the chairmanship of Stuart Bentley. The group, which has provided the RIBA with useful data on the architectural work of these companies, considers that by the nature of their employment salaried architects in industrial and commercial firms have certain interests in common. The Group intends to continue to meet informally, limiting its membership to manufacturing companies, probably widening it later and possibly inviting private architects interested in industrial work to join them. Anyone wishing to join is invited to write to the Hon. Secretary at the RIBA, which has agreed to provide facilities for meetings and clerical work.



Introducing space-saver doors

OPEN OR SHUT THEY OCCUPY

NO ROOM SPACE

Vertically pleated vinyl folding doors, initially available in a range of 4 qualities with a choice of 5 colours. Suitable for any type of building from the inexpensive to the luxurious, there are no installation problems. The colour range of grey, beige, red, green, brown, provides doors appropriate to virtually any colour scheme. Space-Saver doors are designed to fill openings of 6ft. 6in., 6ft. 8in. and 8ft. 0in. high and from 2ft. 3in. to 8ft. 0in. widths—in single units. All doors can be paired and can be used to enclose widths up to 16ft. 0in.

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THE STANDARD RANGE:

REGAL

The Regal is the most luxurious door in the Space-Saver range. Ease of opening, closing and neat folding is assured by the fully pantographic action, along with the smooth running glide-wheels on their precision-machined track. The heat sealed vinyl pockets contain solid core panels to reduce sound transmission. 'Tear drop' handles with security latch ensure simple locking action. Vinyl bumper strip on the leading edge protects woodwork and eliminates 'slam' noise. Valance boards, covered in matching vinyl enhance the up-to-the-minute design.

PRINCESS

The Princess matches the quality of the Regal door, but does not include the pantographic action.

A nylon glide, mounted on the top of each rigid hardboard core panel and sliding in a vinyl coated steel track, produces a silent, easy movement.

'Tear drop' handles with a security latch, two valance boards and the vinyl bumper strip are also features of the Princess door.

WALLDOOR

The pre-pleated vinyl pockets of the Walldoor contain solid Insulcore struts to ensure rigidity, and to give trim and permanent fold lines.

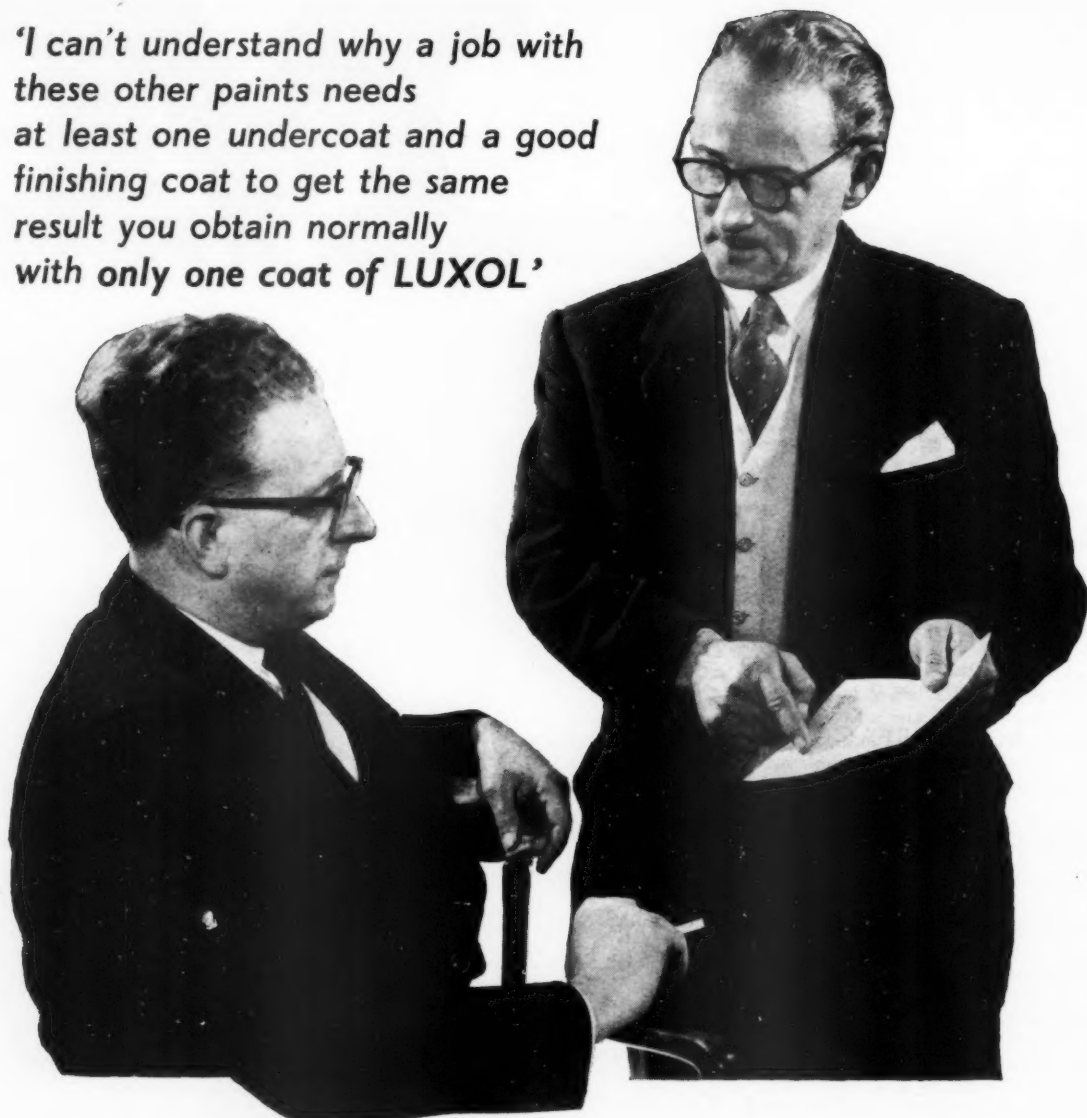
Nylon runners glide easily in a steel track. A vinyl bumper strip on the leading edge of the door prevents marking and ensures noiseless closing. The door is fitted with moulded high-impact plastic handles and security latch.

A matching valance board adds to its appearance.

ACCORDION

Made from single ply, pre-pleated everlasting vinyl, concealed steel weights at the bottom add to the rigidity and even folding. Maintenance free overhead track and nylon glides ensure silent, easy movement. The opening edge has a concealed metal reinforcement. It incorporates Walldoor handles and security latch.

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LUXOL



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Perspective of Erno Goldfinger's design for offices on a site adjoining the Trocadero cinema at the Elephant and Castle, for Mr. Arnold Lee. The LCC Planning Committee accepted Mr. Goldfinger's scheme from the nine submitted by developers because it was architecturally outstanding, and the offer of ground rent was also the most satisfactory. There are three office blocks with an exposed bush-hammered r.c. frame and panel infilling, grouped round an internal court laid out as a garden for office workers.

Bronze Medals

The London Architecture Bronze Medal for 1958 has been awarded in favour of the TUC Headquarters building, designed by David du. R. Aberdeen. The Hampshire and Isle of Wight Architectural Bronze Medal for 1955-58 has been awarded in favour of the Punshon Memorial Church, Bournemouth, designed by Ronald Sims.

New Scholarships

The Architects' Registration Council announces that it will provide scholarships and maintenance grants up to £800 and approved fees, normally for one year but renewable for a second, for selected students in architecture of British nationality whose means appear to be insufficient to pursue special and approved studies in architecture, who have yet to take their examination in Professional Practice and Practical Experience, but have passed in all other sections of their final examination. Applications must be submitted to ARCUK, 68, Portland Place, London, W.1, by September 1, 1960.

AA

Decision Reversed

At a meeting on June 5 the Council of the Architectural Association rescinded the resolution adopted on April 10 "that the AA should not continue negotiations for a College of Architecture and Building if this involved association with the London County Council." The resolution was rescinded by

10 votes to three, one member abstaining and four being absent. A letter was sent to the LCC informing it of the Council's new decision and asking permission to publish details of the previous negotiations in connection with a College of Architecture and Building, so that members of the AA might express their views at a Special General Meeting and by referendum. The LCC has replied that it is not yet in a position to give permission for details of the negotiations to be published.

TPI

Royal Charter

The Town Planning Institute announces that the Queen has approved the grant of a Royal Charter to the TPI. This, it says, is a recognition of the status of the Institute as the technical body concerned with the profession of Town and Country Planning. Members and Associate members of whom there are some 2,600, will be entitled to describe themselves as Chartered Town Planners. The name of the TPI will be unchanged. Professor J. S. Allen has been elected President of the TPI for 1959-60.

BARTLETT CHAIR

Llewelyn Davies

Richard Llewelyn Davies, head of the Nuffield Division for Architectural Studies, has been appointed Professor of Architecture at the Bartlett School of Architecture, in the University College of London, from October 1960. He succeeds Professor Corfiato.

COMPETITION

Corby Civic Centre

The Urban District Council of Corby announces an architectural competition for a Civic Centre (to include municipal offices, council chamber, assembly halls and swimming bath). The assessor is Edward D. Mills. The prizes to be awarded for the winning designs are: First, £1,000; Second, £750; Third, £500. The Council reserves the right to divide the third prize on the recommendation of the assessor. The last date for submitting designs is December 21, 1959, and for asking questions August 20, 1959. Applications, with a deposit of £2, should be sent to the Clerk of the Council, Urban District Council of Corby, Council Offices, Corby, Northants.

MOE

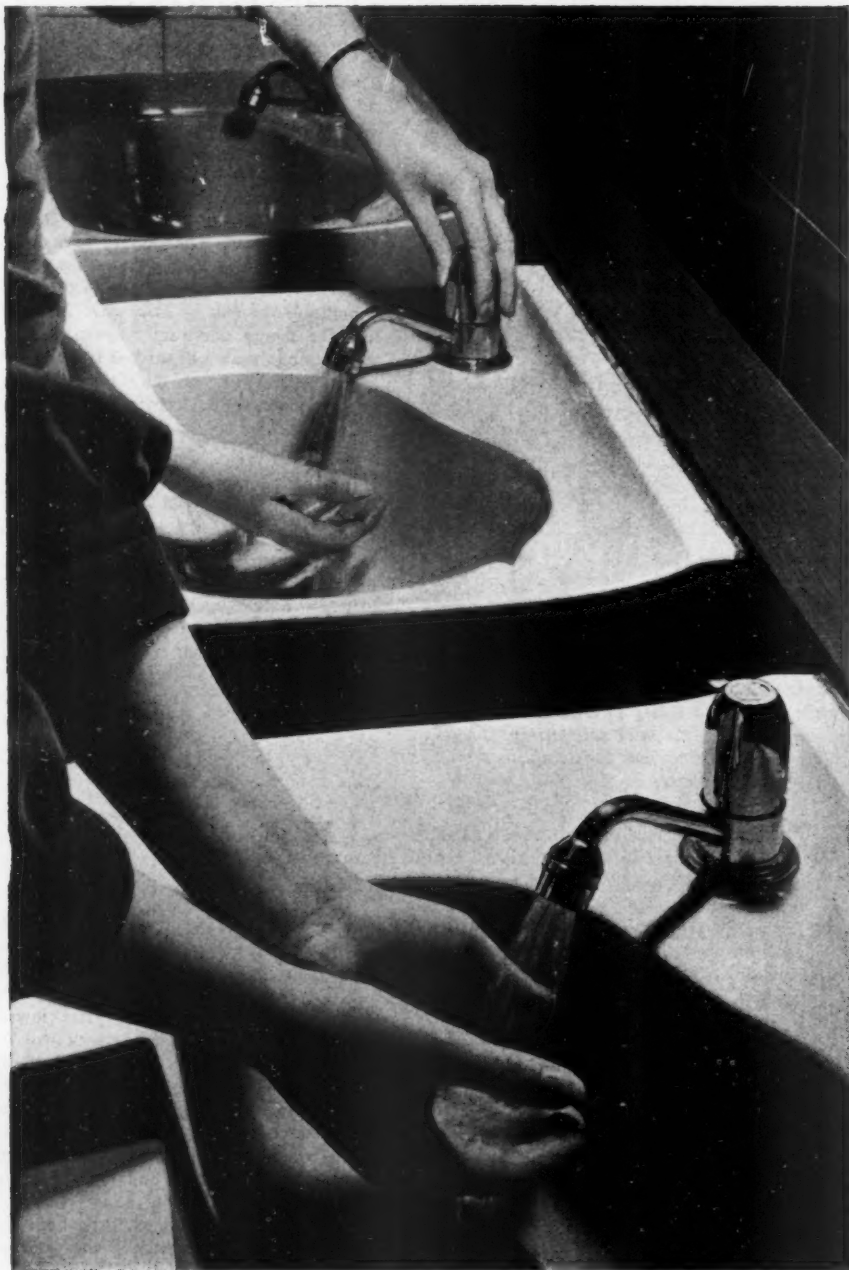
Annual Report

In its report on Education in 1958 the Ministry of Education says that the complete £70 million building programme under the five-year plan for expanding technical colleges has now been settled. It comprises some 360 separate projects for new colleges or extensions. Projects completed in 1958 were a record. The following table shows the level of activity.

| Major and Minor Projects | Values in £ million | | |
|-----------------------------------|---------------------|-------|-------|
| | 1956 | 1957 | 1958 |
| Projects started | 90.5 | 89.9 | 71.9 |
| Work done on all projects | 73.7 | 90.4 | 84.8 |
| Projects completed | 68.8 | 88.3 | 98.6 |
| Under construction at end of year | 152.8 | 154.4 | 127.7 |

The largest number of school places ever completed in one year were made available (98,080 primary, 196,830 secondary). The decline in projects started is attributed partly to government restrictions on capital investment. Educational building activity will increase again as soon as the substantially larger school building programmes for 1960 to 1965 are launched. These, with the high level of investment in further education and teacher training colleges, should increase the amount of educational building to record levels in the early 1960's.

Cost limits were maintained throughout the year. In the last six months of the year the basic net cost on tender of new primary schools averages £145.6 compared with £146.7 a year previously, and the limit of £154; the comparable figures for secondary schools were £251.9, £258.2 and £264. Average areas per place were 40.4 sq. ft. for primary schools and 71.4 sq. ft. for secondary schools, compared with 39.8 sq. ft. and 70.4 sq. ft. a year previously. In the second half of the year 23 per cent of tenders accepted for major projects were on a fixed price basis. A calculation made in 1958 showed that the 1,700,000 new places started since 1949 at approved costs totalling £439 million exceeded by some 600,000 the number of places which could have been started for the same sum had the costs of new places been allowed to rise from the average costs per place ruling in 1949 at the same rate as the increases in costs of labour and materials.



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working detail

ROOFS AND CEILINGS: 56

TIMBER ROOF: FARM NEAR STUTTON, SUFFOLK

C. H. Smith and Partner, designers



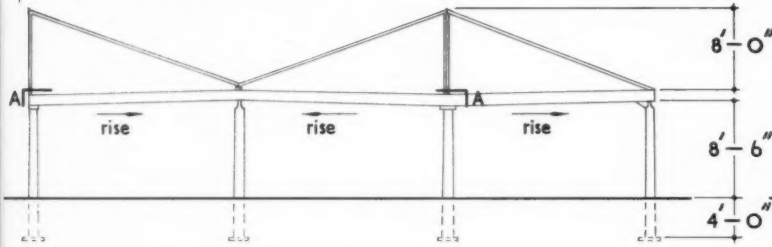
This roof over a cattle yard covers an area 60 ft. by 40 ft. and is supported on two pairs of posts and four single posts, of which only two are in the yard itself. The posts are transmission poles set 4 ft. in the ground: edge beams are in Douglas fir. The roof itself comprises two layers of 5 in. by 1 in. tongued and grooved European redwood boarding. The bottom layer is parallel with the tie rods, the top layer at right angles to it and between the two is a thin aluminium membrane. All timber was pressure-creosoted before delivery to the site and all bolts, nails, coach screws and other fastenings are galvanised. The whole structure is designed and built to withstand exposure.

working detail

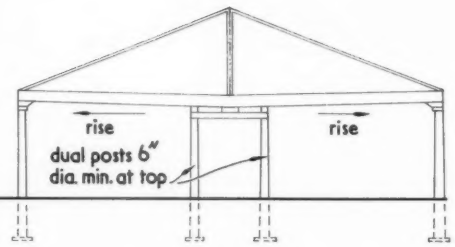
TIMBER ROOF: FARM NEAR STUTTON, SUFFOLK

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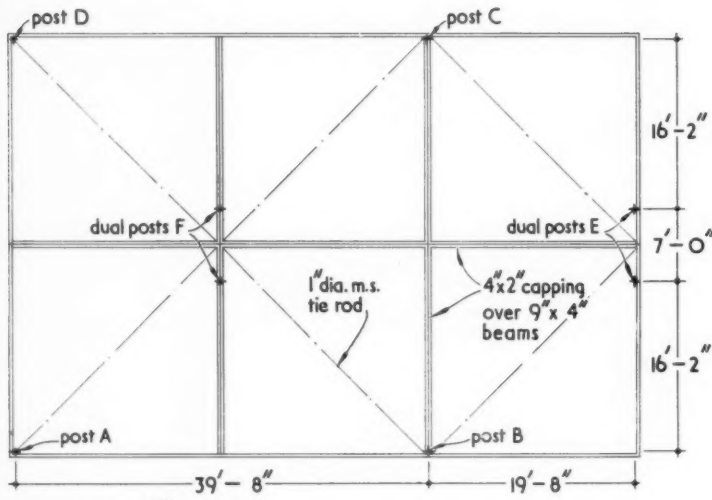
ROOFS AND CEILINGS: 56



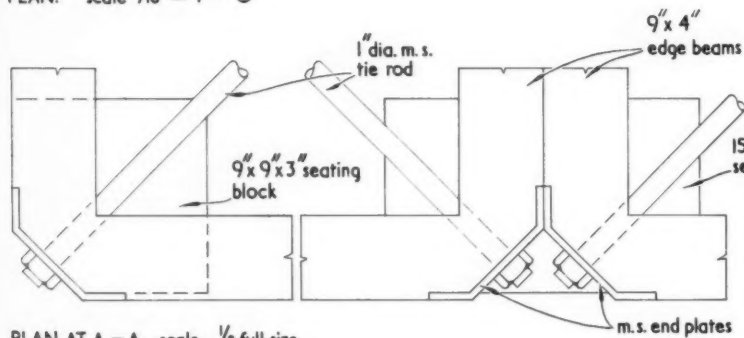
ELEVATION. scale $\frac{1}{16}'' = 1' - 0''$



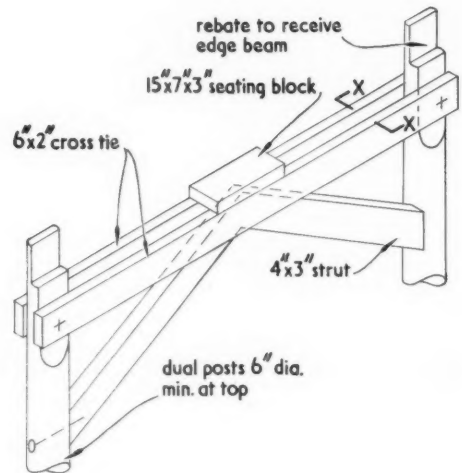
END ELEVATION. scale $\frac{1}{16}'' = 1' - 0''$



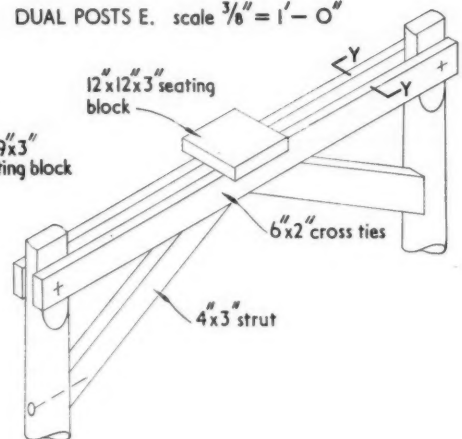
PLAN. scale $\frac{1}{16}'' = 1' - 0''$



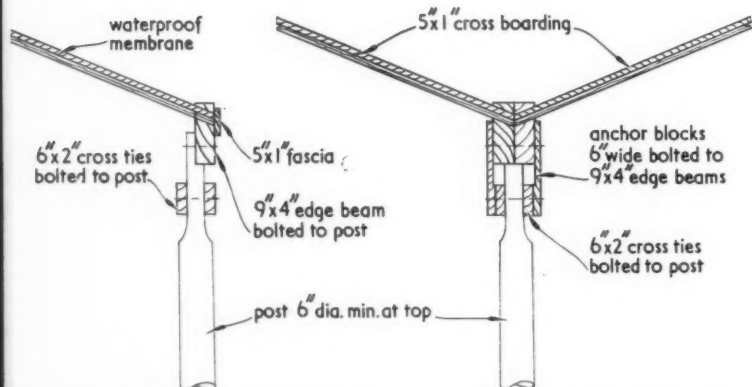
PLAN AT A-A. scale $\frac{1}{8}$ full size



DUAL POSTS E. scale $\frac{3}{8}'' = 1' - 0''$

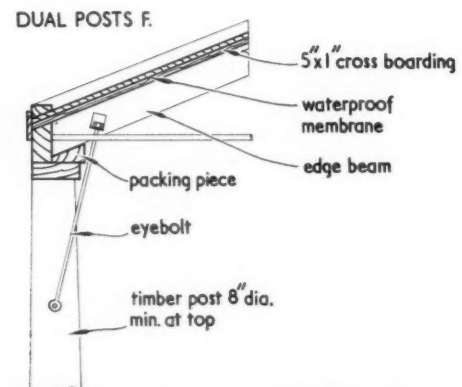


DUAL POSTS F.



SECTION X-X.

SECTION Y-Y. scale $\frac{3}{8}'' = 1' - 0''$



DETAIL OF POST B. scale $\frac{3}{8}'' = 1' - 0''$

working detail

WALLS AND PARTITIONS: 82

WALL: OFFICES IN GENEVA

P. Bussat and J. M. Lamunière, architects (material supplied by Dariush Borbor)



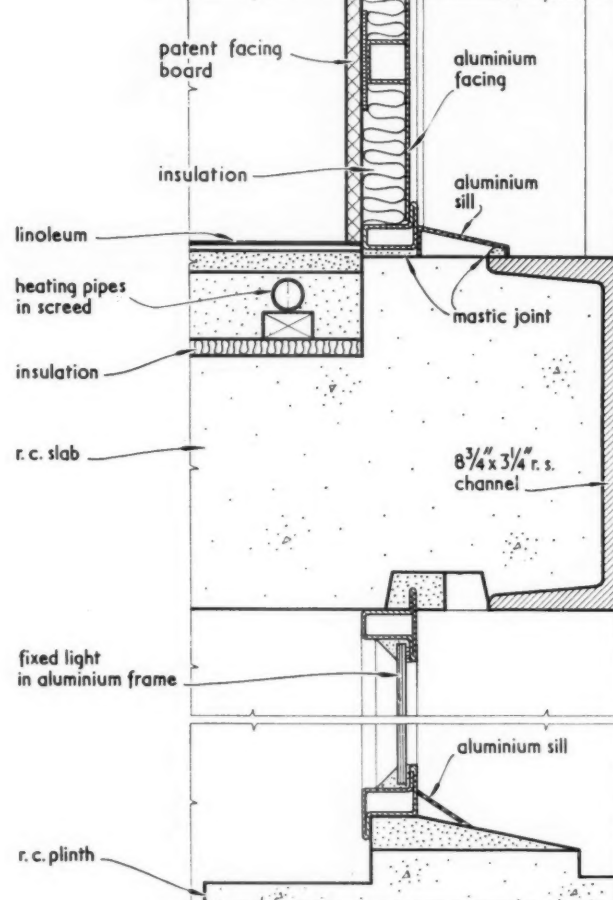
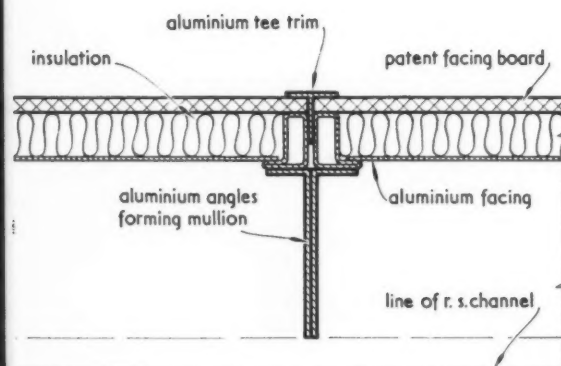
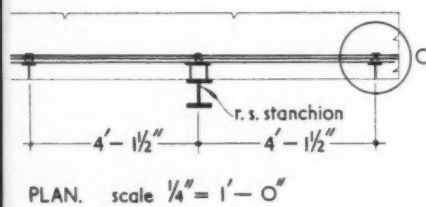
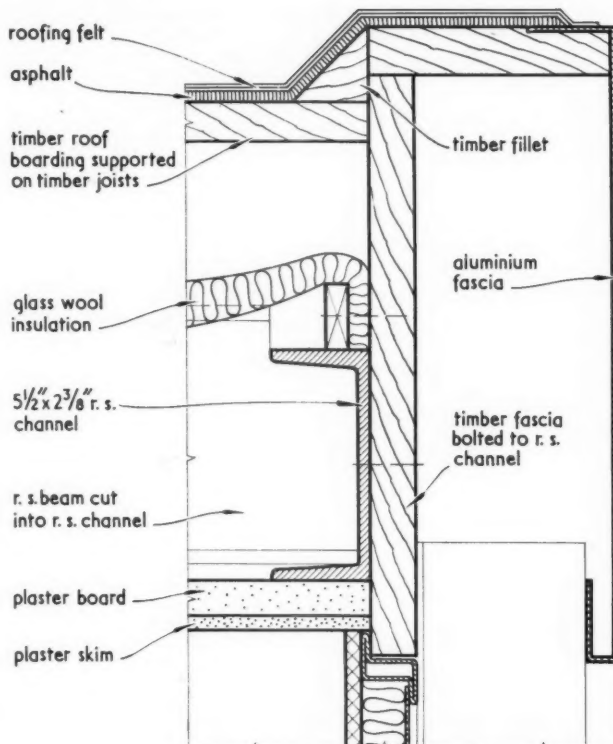
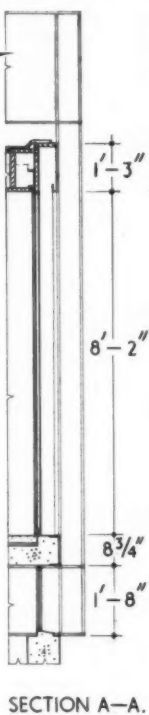
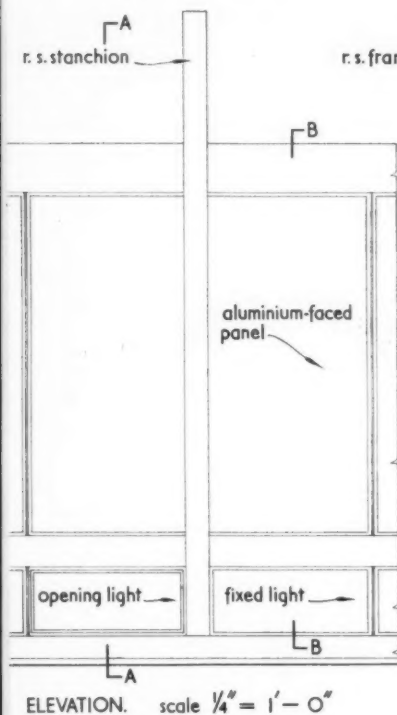
This detail shows a version (from French-speaking Switzerland) of a type of prestige office building which we associate with Mies van der Rohe. Note the storey-high aluminium-faced panels. The fascia has been projected to provide a housing for external Venetian blinds over the glazed parts of the facade.

working detail

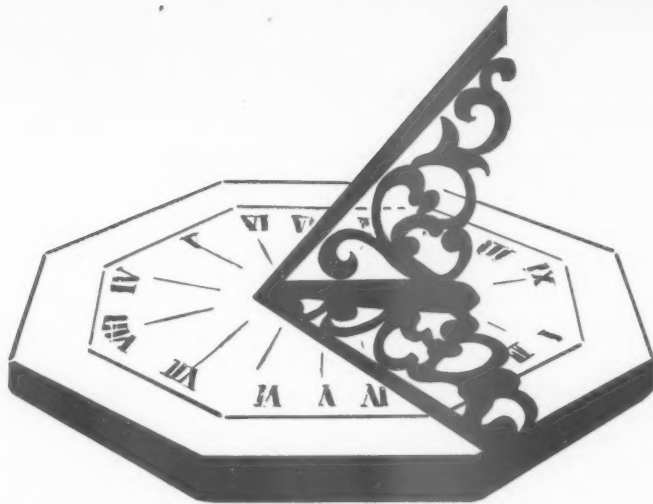
WALLS AND PARTITIONS: 82

WALL: OFFICES IN GENEVA

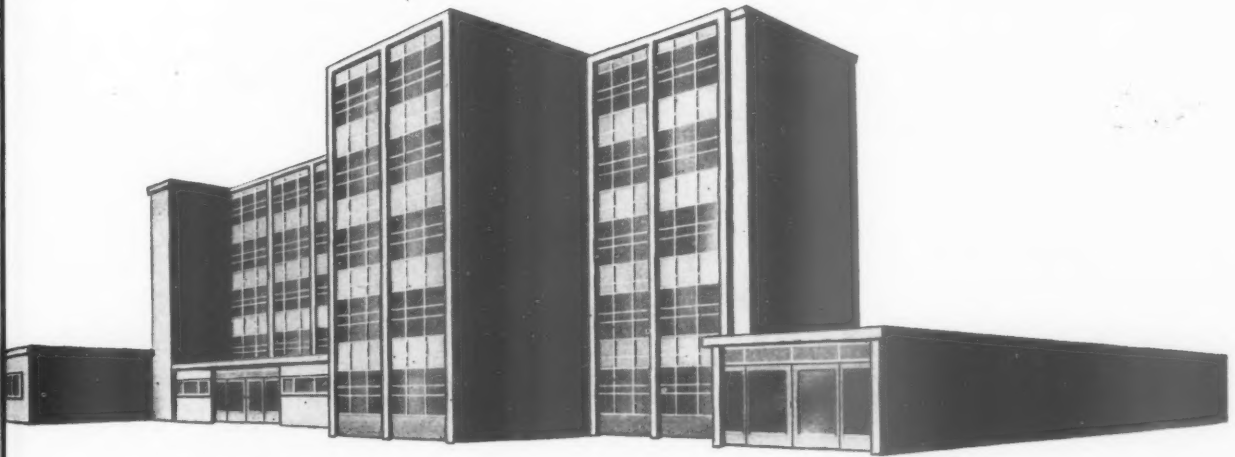
P. Bussat and J. M. Lamunière, architects (material supplied by Dariush Borbor)

SECTION B-B. scale $\frac{1}{4}$ full size

note: figured dimensions in feet and inches are approximate



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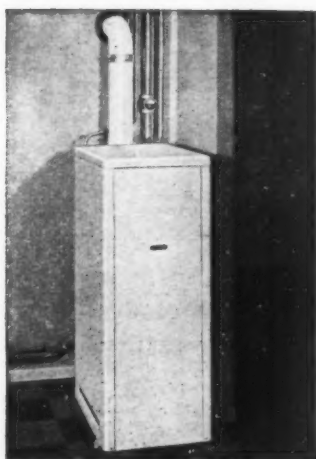
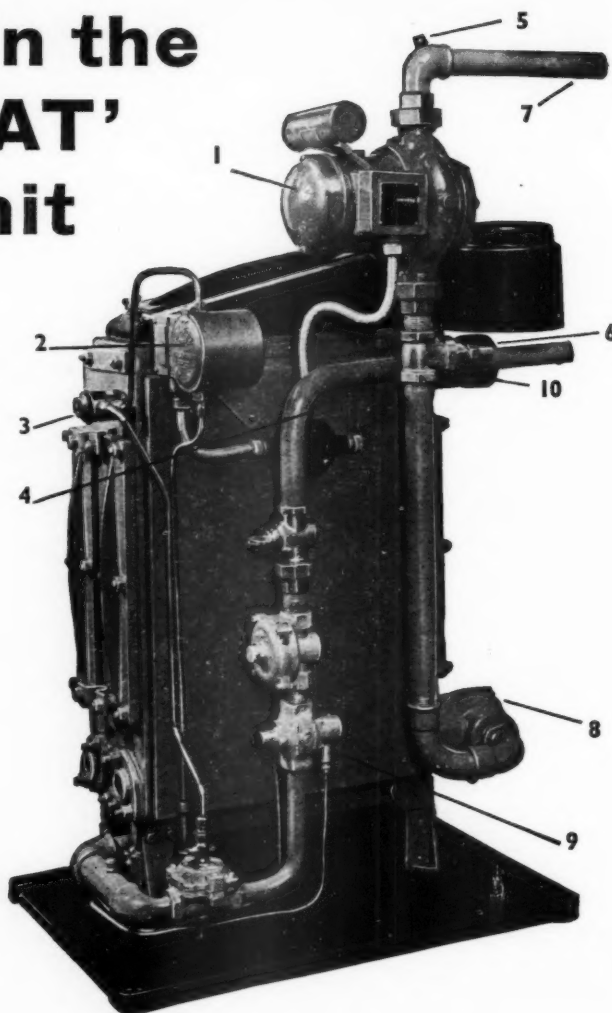


C.W.2.

F

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MOHLG

Control of Design

The first volume of the new series of *Selected Planning Appeals* (Stationery Office, 2s.) contains brief statements of the Minister's general policy on a number of planning problems. The statement on Design is as follows:

One of the objects of planning is to prevent bad design and to encourage good. But unfortunately it is not possible to lay down rules defining what is good and what is bad; and much may in any event turn on the site. Moreover, opinions, even expert opinions, can often differ.

It is therefore difficult to offer useful advice to intending developers other than the obvious advice that they should take trouble to ensure that the designs submitted are good. If they are in doubt how to ensure this, the authority may be able to help them if they ask for advice before starting on plans.

Two questions can arise on design. The first is whether the design is bad in itself: fussy, ill-proportioned, or downright ugly. The second is whether, even if the design is not bad in itself, it would be bad on the particular site: right out of scale with close neighbours (which does not mean that it need be similar to neighbouring designs), an urban design in a rural setting, or a jarring design or the wrong materials in a harmonious scene.

It is obviously desirable that in operating

control over designs authorities should be guided by the advice of a qualified architect; and if a district council have not got this, the county council may be able to assist them. Authorities should always be prepared to arrange for this architectural adviser to discuss proposals with developers, whether at the outset on a request for advice or when plans have been submitted about which they are doubtful.

Planning control should not be used to stifle initiative and experiment in design; a design is not bad because it is new and different—it may be very good. Designs should be rejected only if the objection is clear and definite and can be explained. It is not enough to say that a design will "injure the amenities" or "conflict with adjoining development"; it must be explained why it will do so. In general, planning control of design should be exercised with great restraint. But where a design is plainly shoddy or badly proportioned or out of place, the authority should not hesitate to ask for something better.

MILAN

1960 Triennale

The Milan Triennale will be held from July 16 to November 4, 1960. Its principal topics will be the home and the school, considered in their relationships with architecture, town-planning, interior decoration and equipment. There will also be exhibitions comparing glass and steel

production, plates and cutlery, and personal exhibits of their work by Italian and foreign architects.

HOSPITALS

Edinburgh Conference

Twenty countries were represented at the International Health Federation Conference at Edinburgh on hospitals. The majority of speakers were doctors from English-speaking or northern European countries, and a surprising similarity of underlying conditions guided the discussions regardless of the language in which the papers were read, or the methods by which the hospital service was financed—shortage of skilled nurses, equipment and beds, shortage of every kind of hospital staff—shortage, in fact, of everything except patients. Another constantly recurring theme was the difficulty of reconciling the comfort of patients in the wider sense of the word with the convenience of doctors, increasing departmentalism in hospitals and a theoretically efficient nursing routine.

Speaker after speaker at the conference drew attention to the fact that the background of the hospital service in this and most other countries is the poor law hospital designed to alleviate the worst miseries of sickness and death, rather than to give an efficient health service to the whole community; and that during the half century which has seen this social revolution take place, less has been done to re-organize and re-equip the

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Medical Officer's Suite.
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hospitals of the country as a whole than has been done on parallel lines of development, i.e., schools and housing, although technical progress in the medical field has been piling up problems at an almost greater rate than social change. Operating theatres, X-ray departments, pathology laboratories, radiology units have been grafted on to buildings which were designed without a thought of them. Equally great problems have been created by the obligation to provide a comprehensive service and keep it working in face of increasing shortages of hospital staff, including cooks, cleaners and porters as well as nurses. A third set of troubles has arisen from the shift of medical needs, i.e., children's and fever hospitals are nearly empty, and tuberculosis is under control, but mental illness is increasing and so is the number of elderly patients who normally require a non-surgical treatment.

The hospital service in short is faced with a twofold need. The most obvious is a need for more of everything (but not more hospitals: we have too many for children and for tuberculosis cases). And the second is the need for drastic re-thinking of existing methods of organization both outside and inside hospitals. The two are very closely interconnected although only the latter offers direct scope to architects.

Costs in the modern world of medicine are staggering to anyone not already familiar with the subject. £50,000-£90,000 for an operating theatre, £5,000 per hospital bed. Estimates of what is needed are gloriously vague—something between three and eight

beds per 100 population (a difference of nearly 200 per cent). Something between four (Nuffield Trust) and 12 (Alberta Hospital, Canada) operating theatres per 600 surgical beds (a difference of 300 per cent). A single example from the papers read may serve to illustrate the extent of possible economies. The laundry service in the Newcastle area has recently been reorganized on regional lines. As a result a capital expenditure of £130,000 has led to an annual saving of £120,000 and a better service.

The internal planning of hospitals offers an equally fruitful field for research, in which a very useful beginning has been made by the Nuffield Trust, chiefly on ward design and central sterilizing systems. But obviously there is an immense amount of work still to be done, which could reduce running costs, economize labour as well as contributing to comfort and medical efficiency. Communications between specialist departments are normally bad; a count taken of the amount of nursing time spent conducting patients between different departments and carrying messages backwards and forwards to pathology laboratories gave surprising results. Accurate information on this point would probably show that significant savings could be made. Convenient inter-relationships between various specialist departments, i.e., X-ray, Pathology, etc., and the out-patients' department coupled perhaps with a small independent and suitably situated operating theatre for minor surgery could greatly increase throughput of out-patients as well as their comfort. It would

also contribute to the comfort and efficiency of doctors, often driven by bad communications to place excessive reliance on brief written reports from anonymous specialist departments rather than face-to-face contact with colleagues.

Raw food according to Scottish figures represents 10 per cent of the cost of the hospital service in Scotland, and cooked food probably at least 15 per cent. An unpublished survey undertaken by the Nuffield Trust for hospitals in one English region disclosed that 70 per cent of the food in some hospitals went into the swill bin via the patients' plates, 90 per cent of vitamin C was destroyed during cooking and mice fed on the diet lost their hair. This is also, though not entirely, a question of communications and organization. If all meals have to be served at the same time from a central kitchen, the kitchen staff often have to begin loading them into heated trolleys two hours before meal times. The rest follows. A Dutch doctor described by contrast a new system he had just introduced into his 500-bed hospital at Venlo for a cost of £29,000. By staggering the meal times of the different departments and making use of special containers preheated by infra-red lamps, food could be served to a unit of 45 patients in about 20 minutes. Considering that this hospital had 40 per cent of its patients on special diets and served about a dozen different menus, this represents a very big achievement in comparison with standards normal in this country and for a relatively small cost.

advance news

SELAWASHERS

For sheet laps use our

ALKATHENE SELAWASHER

(Patent Application No. 6466/59)

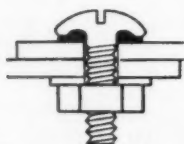
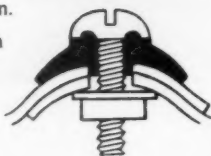
Reg. Design No. 892432

specially adapted for use with our Roofing Bolts to prevent water penetration. The same long life and adaptability as with the Selanut is attainable.

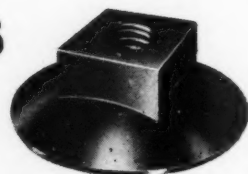
In addition the SELABOLT

(Patent No. 673953)

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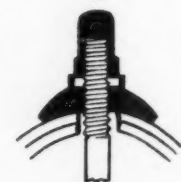
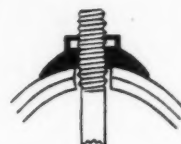
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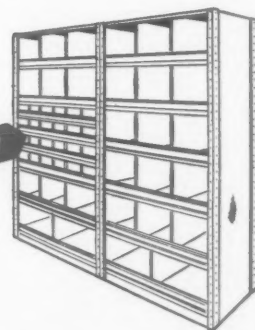
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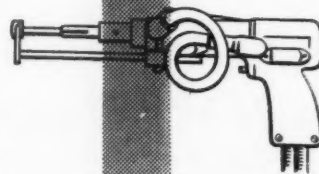
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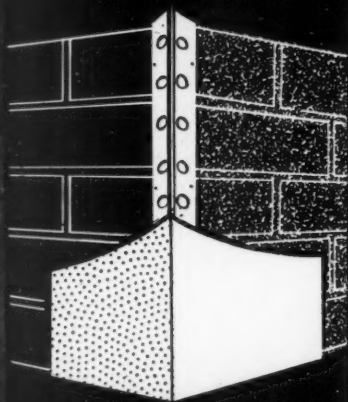
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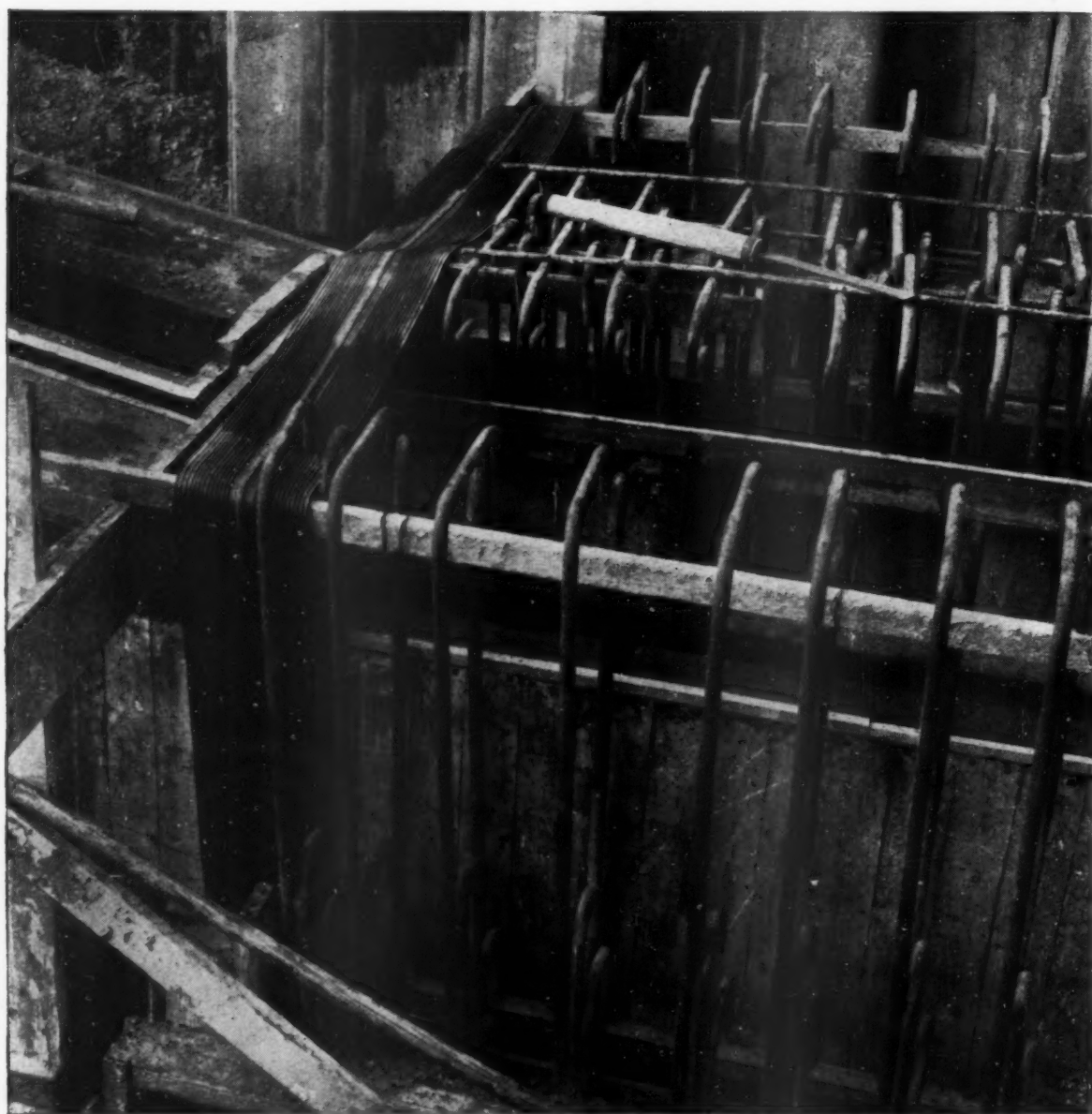


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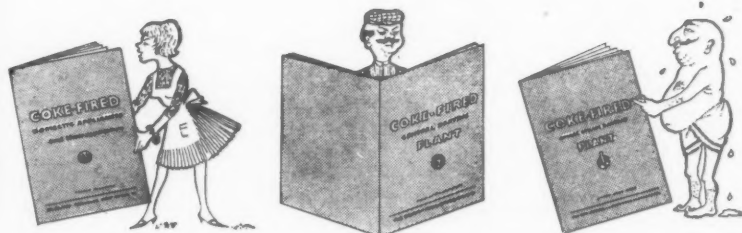
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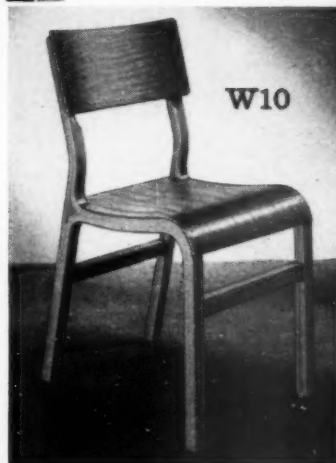
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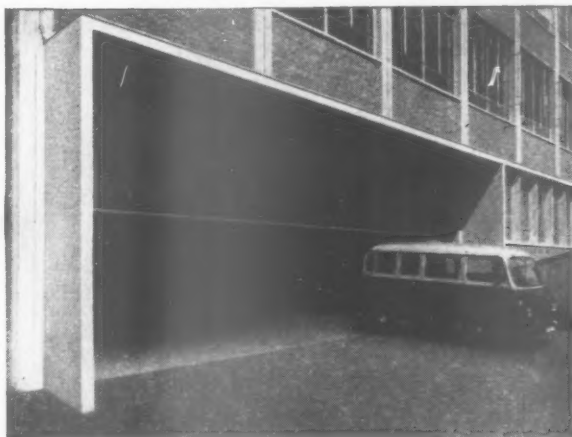
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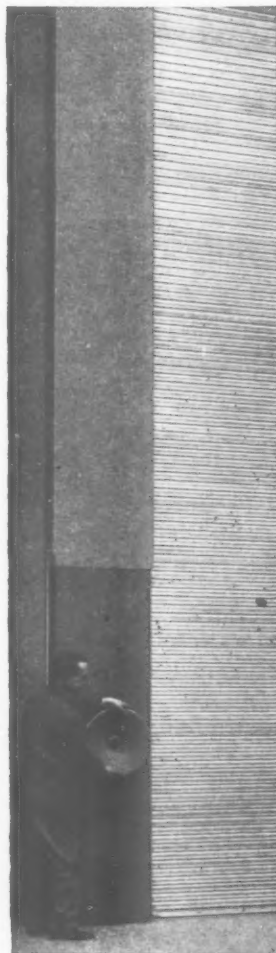
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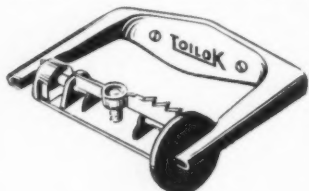
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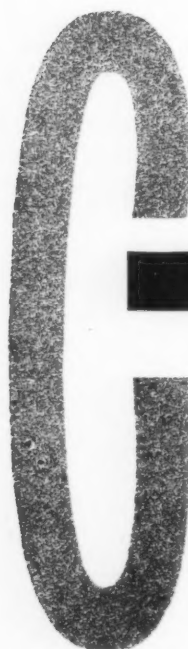


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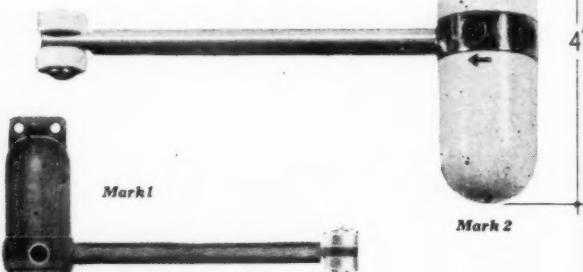
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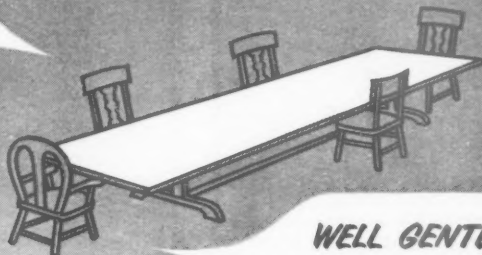
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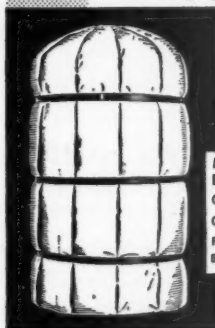
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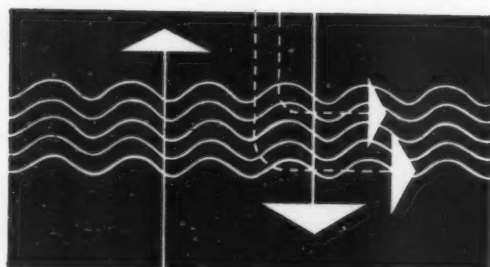
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CLASSIFIED ADVERTISEMENTS

Advertisements should be addressed to the Advt. Manager, "The Architects' Journal," 9, 11 and 13, Queen Anne's Gate, Westminster, S.W.1 and should reach there by first post on Friday morning for inclusion in the following Thursday's paper.

Replies to Box Numbers should be addressed care of "The Architects' Journal," at the address given above.

AIR-MAIL SERVICE available on request: In response to requests from a number of Overseas subscribers for air-mail delivery of Public and Official Appointment details and Other Appointments Vacant, we have been pleased to arrange that cuttings of all such classified advertisements appearing in the A.J., shall be despatched by air-mail on Wednesday of each week (one day prior to A.J. publication date). The cost of this special service to Overseas subscribers will be 5s. for four weeks (1s. 3d. for each additional week) and payment should be sent by subscribers wishing to take advantage of this service. The charge we are making represents only the actual cost of the postage involved.

Public and Official Announcements

30s. per inch; each additional line, 2s. 6d.

LONDON COUNTY COUNCIL
ARCHITECTURAL ASSISTANTS required up to £860 (at present under review). Full and interesting programme of houses, flats, schools and general buildings. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/43/59, County Hall, S.E.1. (923.) 4066

COUNTY BOROUGH OF WEST HAM
BOROUGH ARCHITECT AND PLANNING OFFICER'S DEPARTMENT
Applications invited for established post of SENIOR ASSISTANT PLANNING OFFICER—A.P.T. IV, £1,065—£1,220 p.a. and London allowance. (Grading of the post is under review.) Applicants must be A.M.T.P.I., and have had experience in Development Control in an urban area and be conversant with work involved in review of the Development Plan.
Application forms, returnable by 6th July, 1959, from Thomas E. North, O.B.E., F.R.I.B.A., Dist. T.P., M.T.P.I., Borough Architect & Planning Officer, 70, West Ham Lane, Stratford, E.15. 4753

LANCASHIRE COUNTY COUNCIL
Applications are invited from qualified ARCHITECTS of initiative, keen on design and modern constructional methods, for a large and varied programme.

Permanent posts in A.P.T. Grade V (£1,220—£1,375). Starting point according to experience. Previous applicants should not re-apply.
Application Forms from the County Architect, P.O. Box 26, County Hall, Preston, reference A/AJ. 4747

LANCASHIRE COUNTY COUNCIL
Applications are invited for the posts of SENIOR ARCHITECTS, Senior Officers Scale "A," £1,225—£1,390, "B," £1,320—£1,485.
Applicants should possess a keen design sense, and a sound working knowledge of modern techniques in building construction.
Successful applicants will be required to work at all stages in the drawing office, and in site supervision of major building projects.
Application forms from the County Architect, P.O. Box 26, County Hall, Preston, quoting reference A/AJ. 4746

METROPOLITAN POLICE
RECEIVER'S OFFICE
requires
ARCHITECTURAL DRAUGHTSMEN / WOMEN for interesting and varied work in connection with POLICE HOUSING AND NON-HOUSING BUILDING PROGRAMMES.
£570 p.a. at age 21
rising by annual increments to a maximum of £900 p.a.
Starting pay according to age.

Applicants to have Ordinary National Certificate at a minimum qualification, or to be of Inter-R.I.B.A. standard. Previous experience on similar work would be considered an advantage.
Apply in writing to:—
Room 578,
Receiver's Office,
New Scotland Yard,
S.W.1. 4812

ROWLEY BRISTOW ORTHOPEDIC

PYRFORD HOSPITAL, SURREY
Applications are invited for the appointment of a MAINTENANCE OFFICER at the above hospital. The duties involved would be concerned with the general maintenance of the hospital's fabric and would necessitate preparation of specifications, etc., for contract work and its supervision. The appointment should appeal particularly to a young or a retired architect or similarly qualified candidate. The appointment would be regarded as a contract for service and remuneration would be by negotiation with the successful candidate, and be dependent upon the amount of time to be given which at present is expected to average one full day per week. Applications, stating age, experience, qualifications and previous employment, together with names of two referees, to be forwarded to the Group Secretary within seven days. 4963

Vacancies exist for DRAUGHTSMEN (A. & C.E.) in the WAR DEPARTMENT, at Caterick Camp, Yorkshire, and Gedling, Notts.

Salary ranges from £630 at age 21 to £875 with maximum entry point of £735 at age 28 or over. Five-day working week of 44 hrs. and generous scale of paid leave and public holidays.

Candidates must have had training equivalent to an apprenticeship or pupillage lasting three years with a good concern or equivalent time spent in full-time study of Architecture at a recognised educational institution plus at least one year in full-time drawing office work.

Applications giving full particulars of age, experience, etc., to C.R.E., Caterick Camp or C.R.E., Gedling House, Notts., according to choice of location. 4740

NORFOLK EDUCATION COMMITTEE
Applications are invited for the post of ASSISTANT ARCHITECT. Salary in accordance with the Special Grade, £785—£1,070.

Candidates should be qualified Architects and have experience in the planning and erection of large buildings.

Forms of application from the undersigned to be returned within 14 days of the date of this advertisement.

F. LINCOLN RALPHS,
Chief Education Officer.
County Education Office,
Stracey Road,
Norwich. 4873

BURGH OF KILMARNOCK
BURGH ARCHITECT'S DEPARTMENT
Applications are invited for the following appointments:—

(a) SENIOR ASSISTANT ARCHITECT, qualified and experienced. Salary Scale for Professional Assistants, £760—£1,040 per annum, with placing up to the maximum according to experience. Council house available for letting if necessary.

(b) ARCHITECTURAL ASSISTANT, experienced, A. & P. Grade V, £770 × £20—£830 per annum.

(c) JUNIOR ARCHITECTURAL ASSISTANT, A. & P. Grade I, £595 × £20—£655 per annum.

The posts are subject to N.J.C. Conditions, Local Government Superannuation Acts and the passing of a medical examination.
Applications, giving full details of training and experience, along with copies of testimonials, should be lodged with the Burgh Architect, 64a, Bank Street, Kilmarnock, within ten days of the date of this advertisement.

W. L. WALKER,
Town Clerk.
Council Chambers,
Kilmarnock.
June, 1959. 4884

BOROUGH OF WEYMOUTH AND MELCOMBE REGIS
BOROUGH ENGINEER & SURVEYOR'S DEPARTMENT

Applications are invited from suitably qualified and experienced persons for the following permanent appointment:—

ARCHITECTURAL ASSISTANT, Grade A.P.T. I—II, Special Grade (£610—£765—£880—£1,070 per annum). The Grade and position within the Grade on which the successful applicant is appointed will be according to qualifications and experience.

Preference will be given to applicants who are thoroughly experienced in the preparation of working drawings, details, specifications and supervision of works in progress. Applicants should also be capable of surveying and levelling. The appointment will be subject to the Local Government Superannuation Acts, the National Conditions of Service, to the passing of a medical examination and will be terminable by one month's notice in writing on either side.

Housing accommodation will be provided if required.

Applications, giving age, experience, etc., together with the names of not more than three persons to whom reference can be made, should reach the Borough Engineer and Surveyor, 6, Pulteney Buildings, Weymouth, within 14 days of the appearance of this advertisement.

E. J. JONES,
Town Clerk.
Municipal Offices,
Weymouth.
June, 1959. 4889

ASSISTANT ARCHITECTS
REQUIRED BY
MINISTRY OF WORKS
For employment in Birmingham, Bristol, Leeds, Manchester, Reading and London.

General Conditions.
Salary range between £805 (at age 25) and £1,260 per annum, on the National Scale, slightly more in London. Starting point according to age, qualifications and experience. Five-day week, four weeks and two days annual leave initially. Prospects of promotion and opportunities for permanent and pensionable posts.

Qualifications.
Candidates must be Registered Architects by examination, or Registered Architects who, since registration, have passed a professional examination in Architecture recognised by the Architects Registration Council of the United Kingdom. They must also possess good professional experience in private practice, or in the service of a Local Authority or Government Department.

Applications.
State age and full details of training and experience to Chief Architect, Ministry of Works, (B) Room 435, Abell House, John Islip Street, London, S.W.1. Interview in London. 4802

LONDON COUNTY COUNCIL
ARCHITECTS, Grade III (up to £1,135, commencing according to qualifications and experience), for Housing, Schools and General Divisions. Full varied programme of new work including Schools, Multi-storey Flats and Town Development. Particulars and application form from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/EK/57/59, County Hall, S.E.1. (1132.) 4615

BOROUGH OF ENFIELD
BOROUGH ENGINEER'S DEPARTMENT
(Population—110,000. Area—12,400 acres)
Applications are invited for established posts within the Grades shown:—

A. ENGINEERING ASSISTANT (MAIN DRAINAGE) A.P.T. III (£880—£1,065).

Applicants must have passed the Intermediate examination of the Institution of Municipal Engineers, or hold equivalent qualifications. The successful applicant will be engaged on the preparation of Sewer Surveys, Drainage Area Plans, and Flood Relief Schemes, etc.

B. DISTRICT BUILDING INSPECTOR—A.P.T. II (£765—£880).

Applicants must have experience in all classes of building work and possess the Building Inspector's Certificate of the Institution of Municipal Engineers.

C. ARCHITECTURAL ASSISTANT—A.P.T. I (£610—£765).

Applicants must have had experience in the preparation of plans, specifications, etc., including the maintenance of public buildings.

A London Weighting Allowance of £10—£30 per annum according to age will be paid in addition to the above salaries.

Housing accommodation will be provided in appropriate cases if required by the successful candidate for post (a), and successful candidates will be considered for loans to enable them to purchase houses if necessary.

Saturday mornings are normally free of duty. Application forms, returnable by 30th June, 1959, from H. Deryck Peake, M.Sc.(Eng.), M.I.C.E., Borough Engineer & Surveyor, "Percy House," 7, Little Park Gardens, Enfield, Middx.

CYRIL E. C. R. FLATTEN,
Town Clerk.
Public Offices,
Enfield, Middx. 4741

NANTWICH URBAN DISTRICT COUNCIL
ENGINEER & SURVEYOR'S DEPARTMENT
APPOINTMENT OF TEMPORARY ARCHITECTURAL ASSISTANT

Applications are invited for the appointment of Architectural Assistant in the Engineer and Surveyor's Department at a salary in accordance with Grade A.P.T. I (£610—£765). Applicants should have served Articles or received other suitable architectural training and had experience in an architect's office.

The provisions of the Local Government Superannuation Act, and National Joint Scheme of Conditions of Service will apply to the appointment, which will be subject to one month's notice on either side.

Housing accommodation will be available if required.

Applications to be sent to Mr. E. H. Bailey, Engineer and Surveyor, Brookfield House, Nantwich, stating age, details of training and experience, whether married, past and present appointments, together with the name of two referees, not later than 27th August.

D. TUDOR EVANS,
Clerk of the Council. 4903

BRITISH SOLOMON ISLANDS
PROTECTORATE
ARCHITECTS, PUBLIC WORKS DEPARTMENT

To be responsible for the design and construction by direct labour and contract of Government buildings, preparation of contract documents and estimates.

Contract appointments. Salary range £1,628—£1,860 (sterling) plus gratuity. Quarters available at reasonable rent.

Candidates preferably under 35 years of age must be A.R.I.B.A. with at least eight years' post qualification experience. Experience of tropical building an advantage.

Write to Director of Recruitment, Colonial Office, London, S.W.1, giving full names, age, qualifications and experience, quoting BOD 112/45/92/E2. 4990

QUANTITY SURVEYING ASSISTANTS, GRADE III, required by AIR MINISTRY in the PROVINCES. Duties include abstracting and billing, site measurement and preparation of estimates. Commencing salary according to age, qualifications and experience. Salary ranges from £680 at age 26 rising to £850. Candidates must hold O.N.C. (Building or Builders' Quantities) or equivalent and have good experience under Quantity Surveyor or Building Contractor. Knowledge W.D. Schedule an advantage. Promotion and pension prospects.

Five day week, three weeks three days leave a year initially. Applicants carry liability for service anywhere U.K. or overseas. Applicants normally should be natural born British subjects. Write stating age, qualifications and previous appointments, including type of work done, to Manager, P.E. 105, Professional and Executive Register, Ministry of Labour and National Service, Atlantic House, Farringdon Street, E.C.4. No original testimonials should be sent. Only applicants selected for interview will be advised. 4871

BOROUGH OF SWINDON

ASSISTANT QUANTITY SURVEYORS

Applications are invited for the undermentioned appointments in the Borough Architect's Department. The Department is engaged in a large and varied development programme, including housing schemes and industrial buildings. Housing accommodation may be offered.

(a) **ASSISTANT ARCHITECT, A.P.T. Special Scale (£785-£1,070).** Applicants should have the Final R.I.B.A. or equivalent qualification.

(b) **JUNIOR ASSISTANT ARCHITECT, A.P.T. II (£765-£880).** Applicants should have the Intermediate R.I.B.A. or equivalent qualification.

(c) **ASSISTANT QUANTITY SURVEYOR, A.P.T. Special Scale (£785-£1,070).** Applicants should have the Final R.I.C.S. or equivalent qualification.

(d) **JUNIOR ASSISTANT QUANTITY SURVEYOR, A.P.T. I (£610-£765).** Applicants should have completed professional training and have the Intermediate R.I.C.S. or equivalent qualification.

Applications, on forms to be obtained from the Town Clerk, Civic Offices, Swindon, must be returned within 14 days of the appearance of this advertisement. 4979

COUNTY BOROUGH OF SOUTHAMPTON
REQUIRES UNDER N.J.C. CONDITIONS OF SERVICE:
ARCHITECTURAL ASSISTANT, A.P.T. Grade II, £765-£880.

Applicants are required to have passed the Intermediate R.I.B.A. examination or its equivalent at one of the recognised schools of architecture, and preferably have had experience in local government housing.

Apply on application forms obtainable from the Borough Engineer and Surveyor, Civic Centre, Southampton, as soon as possible. 4995

CITY OF NOTTINGHAM EDUCATION COMMITTEE

COLLEGE OF ART AND CRAFTS
DEPARTMENT OF TOWN AND COUNTRY PLANNING

The following Diploma Courses are available, and give exemption from the Final examination of the Town Planning Institute:—

(a) Full-time (five years) open to candidates with the requisite general education.

(b) Post-graduate (two years full-time or three years evenings) open to Architects, Engineers, Surveyors, Geographers, and Economists.

Further particulars for the Session commencing 14th September can be obtained from the Registrar, College of Art and Crafts, Waverley Street, Nottingham. Telephone: Nottingham 46555.6.

W. G. JACKSON,

Director of Education.

Education Office,
Exchange Buildings,
Smithy Row,
Nottingham. 4996

INVERNESS COUNTY COUNCIL invite applications for appointments in the County Architect's Department as follows:—

(a) **ONE FIRST ASSISTANT ARCHITECT—Salary Scale £1,005-£1,085 per annum.**

(b) **ONE SECOND ASSISTANT ARCHITECT—Salary Scale £760-£1,040 per annum.**

(c) **TWO THIRD ASSISTANT ARCHITECTS—Salary Scale £595-£725 per annum.**

Applicants for appointments (a) and (b) must be fully qualified and for appointment (c) should be qualified or about to qualify to Intermediate standard. Appropriate placing on salary scales will be given in accordance with qualifications and experience. Housing accommodation may be made available if required. Applications together with names and addresses of three referees, to the County Clerk, County Buildings, Inverness, within 14 days from the appearance of this advertisement. 5016

UNIVERSITY OF EDINBURGH

DEPARTMENT OF ARCHITECTURE

Applications are invited for the post of **LECTURER** in the Department of Architecture. Salary Scale £900 x £50 to £1,100; Bar: £1,150 x £50 to £1,350 x £75 to £1,650 per annum, with placement according to qualifications and experience, and with superannuation benefit and family allowance where applicable. Candidates should have qualifications and experience in Building Construction and the supervision of building work. The successful candidate will be expected to take up duty on 1st October, 1959.

Further particulars may be obtained from the undersigned, with whom applications, giving the names of two referees, should be lodged as soon as possible.

CHARLES H. STEWART,

Secretary to the University. 5031

COUNTY BOROUGH OF CROYDON
SURVEYING ASSISTANT

Applications are invited for this appointment under the School Architect from persons with the R.I.C.S. Final examination and experienced in valuations for interim certificates, settlement of final accounts and some quantities.

Salary commencing according to qualifications and experience on the scale £1,095 p.a. to £1,250 p.a.

Application forms from Chief Education Officer, 19, Katharine Street, Croydon.

E. TABERNER,

Town Clerk. 5057

BOROUGH OF HYDE

BUILDING ASSISTANT—A.P.T. GRADE II
(£765 to £880 p.a.)

Applications are invited from persons experienced in design, contract documents, contract supervision and management in housing and other building work.

Particulars, professional examination qualification standard, and names of three referees to Borough Surveyor, Municipal Buildings, Greenfield Street, Hyde, by the 31st August, 1959.

JOHN BINNS,

Town Clerk. 5056

GOVERNMENT OF ADEN

ARCHITECT, PUBLIC WORKS DEPARTMENT

Required to design, prepare specifications and supervise construction of public buildings, housing and modern schools.

Contract appointment for one tour of 18-24 months.

Salary range £1,232-£2,004 per annum plus gratuity.

Free passages. Children's allowances. Furnished quarters at moderate rent. Generous home leave.

Candidates must be A.R.I.B.A. with at least one year's post qualification experience.

Write Director of Recruitment, Colonial Office, London, S.W.1 stating full names, age, qualifications and experience, quoting BCD 112/2/03/E2. 5049

BOROUGH OF CROSBY

CAPITAL WORKS PROGRAMME

Applications are invited for the appointment of a **PRINCIPAL ARCHITECTURAL ASSISTANT** at a Salary in accordance with A.P.T. IV of the Conditions of Service (£1,065 to £1,220).

The successful applicant will be required to take charge under the Chief Assistant of Architectural Works other than housing and in particular the construction of the new **SWIMMING BATH**.

It is the Council's policy to assist in the provision of **HOUSING ACCOMMODATION** on satisfactory proof of need.

Applications on forms obtainable from the Borough Engineer at the address below must be received, suitably endorsed, not later than 31st August, 1959.

Canvassing directly or indirectly will disqualify.

HAROLD O. ROBERTS,

Town Clerk.

Town Hall,
Waterloo,
Liverpool, 22. 5041

BOROUGH OF HARROW

ARCHITECTURAL AND PLANNING STAFF

Applications are invited for the following vacancies in the Department of the Borough Engineer and Surveyor within the Special Grade for qualified Assistants (£785-£1,070 per annum, plus London "weighting"):

(a) **SENIOR PLANNING ASSISTANT**—This Assistant will deputise for the Head of the Planning Section, who is frequently engaged on enquiries and outside negotiations. Applicants must be appropriately qualified and should have extensive experience of development control.

(b) **ARCHITECTURAL ASSISTANT**—Preference will be given to applicants who are Registered Architects.

Both appointments will be subject to the Local Government Superannuation Acts and the National Joint Council's Scheme of Conditions of Service. Housing accommodation is not offered. Contributions towards removal expenses will be considered.

Application forms, obtainable from me, must be returned not later than 31st August, 1959.

D. H. PRITCHARD,

Town Clerk.

Town Clerk's Office,
Harrow Weald Lodge,
92, Uxbridge Road,
Harrow, Middlesex. 5079

STAFFORDSHIRE COUNTY COUNCIL
COUNTY PLANNING AND DEVELOPMENT DEPARTMENT

Applications are invited for the appointment in the County Planning and Development Department of a **PLANNING ASSISTANT** in the Design and Amenities Section on Special Grade (£785-£1,070 per annum) or A.P.T. Grade IV (£1,065-£1,220 per annum). The commencing salary and grading will depend on qualifications and experience.

The duties of the post will be primarily in connection with civic design and central area redevelopment and other schemes concerned with the implementation of the development plan.

The Council are prepared to grant lodging allowances of 35s. per week for a period of six months and second class railway travel home every two months during the initial six months to married applicants maintaining a home outside the geographical county. Consideration will also be given to the granting of financial assistance in appropriate cases towards removal expenses.

Applications, giving details of age, education, qualifications, present and previous appointments, experience and the names of two persons to whom reference may be made, should be sent to D. W. Riley, County Planning and Development Officer, 41b, Eastgate Street, Stafford, not later than 24th August, 1959.

Relationship to any member or senior officer of the County Council must be disclosed. Canvassing will disqualify.

T. H. EVANS,

Clerk of the County Council. 5095

CITY OF COVENTRY

ARCHITECTURAL & PLANNING DEPARTMENT

SENIOR PLANNING OFFICER
A.P.T. GRADE IV (£1,065-£1,220)
COMPREHENSIVE DEVELOPMENT AREAS GROUP

A Senior Assistant to the Group Planning Officer is required to join a team responsible for certain comprehensive design projects within the inner area of the city. This post offers opportunities for new thinking on residential redevelopment and the likelihood of seeing these new ideas implemented in the near future.

Housing accommodation in approved cases; removal expenses loan available. Five-day working week. Application forms from Bull Yard, Coventry, returnable 14 days of publication. 5037

STAFFORDSHIRE COUNTY COUNCIL
COUNTY ARCHITECTS' DEPARTMENT

Applications are invited for the following appointments:—

(1) **ASSISTANT ARCHITECTS.**

Special Grade (£785-£1,070).

These posts are particularly suitable for recently qualified Architects. Good prospects of promotion to higher grades.

Grade A.P.T. IV (£1,065-£1,220). Candidates must be Associates of the R.I.B.A. and suitably experienced.

(2) **ASSISTANT QUANTITY SURVEYORS.**

(a) Grade A.P.T. IV (£1,065-£1,220).

(b) Grade A.P.T. III (£880-£1,065).

(c) Grade A.P.T. II (£765-£880).

Applicants for (a) and (b) must hold Final Examination and for (c) the Intermediate Examination of R.I.C.S. The work involves mainly taking off for all types of buildings.

The appointments will be subject to:—
(a) The National Scheme of Conditions of Service.

(b) The Local Government Superannuation Acts and the passing of a medical examination.

The County Council are prepared to grant a lodging allowance of 35s. per week to married applicants maintaining a home outside the geographical County for a period of six months; also 2nd class rail travel home every second month during the initial six months. The Council are also prepared to give consideration to the granting of financial assistance in appropriate cases towards removal expenses.

There is a possibility that housing may be made available in special circumstances.

Forms of application, which must be returned within 10 days of this date, may be obtained from the County Architect, Green Hall, Lichfield Road, Stafford.

T. H. EVANS,

Clerk of the County Council. 5038

CITY OF BRADFORD
ARCHITECTURAL AND TOWN PLANNING ASSISTANTS

Applications are invited for the following superannuable appointments in the City Engineer and Surveyor's Department:—

(a) **SENIOR TOWN PLANNING ASSISTANT.** Post No. 15. Special Grade (£785-£1,070).

(b) **TOWN PLANNING ASSISTANT.** Post No. 30. A.P.T. I/Special (£610-£1,070) according to qualifications.

(c) **ARCHITECTURAL ASSISTANT.** Post No. 122. A.P.T. II/Special (£765-£1,070) according to qualifications.

(d) **ARCHITECTURAL ASSISTANT.** Post No. 123. A.P.T. I (£610-£765).

The successful candidates for (a) and (b) will be required in connection with the layout of large Corporation Housing Estates and schemes of development as the result of slum clearance.

Applicants for (c) should have had experience in the design of houses, flats and shops and the layout of housing estates, have sound design ability and be experienced in the preparation of working and detail drawings.

Candidates for (d) should have had experience in architectural design. Applicants should have passed the Intermediate examination of the appropriate professional body.

Applicants for (a), (b) and (c) should be A.M.T.P.I., A.R.I.B.A., A.M.I.Mun.E. or A.M.I.C.E. Housing accommodation cannot be provided by the Corporation.

Applications on forms to be obtained from the City Engineer and Surveyor, Town Hall, Bradford, 1, together with three testimonials, must be received by the undersigned within a fortnight from the appearance of this advertisement.

W. H. LEATHER,

Town Clerk.

Town Hall,
Bradford, 1. 5034

AIR MINISTRY WORKS DESIGNS BRANCH

requires in London and Provinces **ARCHITECTURAL ASSISTANTS** experienced in planning/preparation of working drawings and details for permanent and semi-permanent buildings. Salaries in LONDON up to £900 for Grade III and £1,055 for Grade II p.a. for men and £868/£1,008 for women. Somewhat lower in PROVINCES. Starting pay dependent on age, qualifications and experience. Long term possibilities with promotion and pension prospects. Five-day week, three weeks three days leave a year initially. Overseas tours (for men) for which special allowances are payable. Normally natural born British subjects. Write stating age, qualifications, employment details including type of work done, to any Employment Exchange quoting Order No. Kings Cross 1769. 4273

WESTERN REGIONAL HOSPITAL BOARD

Owns to an expansion in the work being undertaken directly by the Architectural Division in connection with major hospital development schemes, etc., additional staff is required and applications are invited for the following posts:-

SENIOR ASSISTANT ARCHITECT (3 Posts). Salary scale, £1,050 x six annual increments—£1,245.

ASSISTANT ARCHITECT (6 Posts). Salary, £730 x 10 annual increments—£1,055.

In the Assistant grade starting salary may be above the minimum having regard to experience. Candidates must be Registered Architects, having passed the requisite examinations. Previous hospital experience will be an advantage. The appointments are supernumerary and are terminable on two months' notice on either side. Successful candidates may be required to pass a medical examination.

Applications, stating age, qualifications, and full details of previous experience, together with the names of three referees, should be addressed to the Secretary, Western Regional Hospital Board, 64, West Regent Street, Glasgow, C.2, within 14 days of the appearance of this advertisement. 5092

GLOUCESTERSHIRE COUNTY COUNCIL ASSISTANT ARCHITECTS AND BUILDING SURVEYOR

ASSISTANT ARCHITECTS—"Career Class" commencing in Grade A.P.T. IV (£1,055—£1,220) progressing to Grade A.P.T. V (£1,220—£1,375) subject to satisfactory report on reaching appropriate incremental point in Grade.

BUILDING SURVEYOR—Grades A.P.T. I (£610—£765) and A.P.T. II (£765—£880).

Applicants for posts of Assistant Architects must have passed Final Examination R.I.B.A. and for Building Surveyor Intermediate Examination R.I.C.S. (Building) or hold Higher National Certificate (Building) or equivalent qualification. N.J.C. Service Conditions, Superannuation, Medical Examination.

Applications, stating age, present position, salary and date of appointment, previous appointments, names and addresses of two persons for reference, to County Architect, Shire Hall, Gloucester, within two weeks of the date of this notification.

GUY H. DAVIS,
Clerk of the County Council. 5019

WARWICKSHIRE COUNTY COUNCIL ARCHITECT'S DEPARTMENT

Applications are invited for the following appointments:-

(1) **SENIOR ASSISTANT ARCHITECT, Grade A.P.T. III—IV** £880—£1,220.

Applicants must be members of the Royal Institute of British Architects and be competent designers with a good knowledge of modern methods of construction. They must also be capable of handling large building projects from sketch plan to completion.

(2) **ASSISTANT ARCHITECTS, Special Grade, £785—£1,070.**

Applicants must have passed Parts I and II of the R.I.B.A. Final or special examinations or their equivalent at one of the recognised schools of architecture. The successful applicants will work in teams on large projects, but opportunity will be given to men with enthusiasm and ability to design and carry out smaller projects under a Group Architect.

The commencing salary can be within the grade according to ability and experience. Application forms and other conditions applicable to the appointments can be obtained from G. R. Barnsley, F.R.I.B.A., County Architect, Shire Hall, Warwick.

L. EDGAR STEPHENS,
Clerk of the Council. 5026

UNIVERSITY OF ST. ANDREWS

Applications are invited for the following appointments in the office of the Resident Architect to be filled if possible by 1st September, 1959.

1. **ASSISTANT ARCHITECT.** To assist the Resident Architect in the administrative and technical control of major building projects and act as his deputy when necessary; to advise on lesser projects and to perform full or partial architectural services in certain of these; to make surveys and reports, prepare schedules of accommodation, furniture and fittings, attend to routine records, etc. The successful applicant will work mainly in Queen's College, Dundee, and will be expected to reside in that locality. Salary scale £1,050 x £50—£1,350, starting point to be agreed; superannuable; family allowance; grant towards removal expenses.

Applicants should be registered architects with at least six years' qualified experience, preferably in the university field; familiarity with Scottish methods and procedure will be counted an advantage.

2. **DRAFTSMAN.** To assist senior staff in general drawing office duties, surveys, records, etc.; to work mainly in St. Andrews and to reside in that locality. Fixed salary £600.

Applicants should have reached Intermediate standard and possess office experience.

Initial applications for both posts, giving age and summary of education, training, qualifications and experience, should be sent to the Joint Clerk to the University Court, College Gate, St. Andrews, Fife. 5039

HEMEL HEMPSTEAD DEVELOPMENT CORPORATION

VACANCY No. 164.

Vacancy for qualified **LANDSCAPE ARCHITECT** Starting salary will depend upon qualifications and experience but will be somewhere within scale £610—£765.

Conditions of service similar to those in Local Government.

Applications endorsed with "Vacancy No. 164," stating age, education and experience, with names of two business referees, to be sent to General Manager, Westbrook Hay, Hemel Hempstead, within one week of appearance of this advertisement.

Housing may be available. 5023

GOVERNMENT OF TANGANYIKA EDUCATION OFFICERS (Technical Training)

preferably between 25 and 40, required to teach: (a) Civil Engineering and Drawing and elementary Quantity Surveying and allied subjects. (b) Building Construction and allied subjects. Qualifications for (a) Degree in Engineering or A.M.I.C.E., (b) Corporate Membership of (1) Royal Institute of British Architects or (2) Incorporated Association of Architects and Surveyors or (3) Associate of Institute of Builders. Either a teacher's certificate or minimum of two years' teaching experience essential for both posts.

Posts on contract/resettlement grant terms. Home pension rights can be preserved. Salary at appropriate points in scales £379—£1,617 or £399—£1,863 inclusive. Quarters at low rental. Free passages and medical attendance. Outfit and education allowances. Tour of service 30—36 months. Low Income Tax. Generous home leave. Further particulars and application forms from the Director of Recruitment, Colonial Office, London, S.W.1, quoting BCD 114/8 (05/16). 5012

COUNTY BOROUGH OF READING ARCHITECTURAL ASSISTANTS

Applications invited for the appointment of **ASSISTANT ARCHITECT** who will be required to assist the Architect in the design and construction of Part I and II. R.I.B.A. Final or Special Final Examination or their equivalent and have had at least five years' experience. Salary range £785 x £40 (3) x £45 (1) x £40 (3)—£1,070 according to experience. Posts permanent and appointment subject to N.J.C. Conditions. Housing accommodation will be considered. Applications, stating age, qualifications and experience, together with names and addresses of two referees, to Borough Architect, P.O. Box 17, Town Hall, Reading, not later than two weeks after date of this advertisement. 5028

COUNTY BOROUGH OF CROYDON ARCHITECTURAL ASSISTANTS

Applications are invited for appointments under the School Architect:-

(a) Salary scale—£640 to £795 p.a. Candidates for appointment on this scale must have passed the R.I.B.A. Intermediate examination.

In both cases the salary will commence according to experience and rise subject to Final qualifications to £1,100 p.a.

Application forms from the Chief Education Officer, 19, Katharine Street, Croydon. 5030

CITY OF BIRMINGHAM EDUCATION COMMITTEE

MATTHEW BOULTON TECHNICAL COLLEGE
SUFFOLK STREET, BIRMINGHAM, 1

Principal: J. C. MARTIN, M.A., A.M.I.E.E., A.M.B.R.I.T.S.E.

Applications are invited from suitably qualified persons for the following appointment in the Science and Building Department: **ASSISTANT, GRADE B.**

The person appointed will be required to teach various subjects up to S.3 standard namely in the Professional Building Courses (Civil and Municipal Engineering, R.I.C.S., Public Health Inspectors and Institute of Housing).

Applicants should possess a minimum qualification of Higher National Certificate in Building (either General Building or Quantity Surveying Sections) and should have had appropriate industrial experience.

(Salary in accordance with the Burnham Technical Scale: £682 10s. by £26 5s. to £1,076, plus additions and allowances as appropriate.)

Application forms and further particulars may be obtained from the Principal to whom the completed forms should be returned as soon as possible. 5047

BRITISH RAILWAYS LONDON MIDLAND REGION ASSISTANT ARCHITECTS

required in the Regional Architect's Office to work on projects connected with the Railway Modernisation Plan. Must be Associates of the R.I.B.A. or have Intermediate and several years' experience. Applicants must have a keen interest in contemporary design and have a knowledge of modern structural technique. In addition to normal work, posts are vacant in the Research and Development Group, and applicants for these should have experience in the development of pre-fabricated structures and industrial design.

Salary range £333—£903 per annum. Prospects of promotion for entrants showing outstanding ability and responsibility. Residential and other travel concessions available.

Apply stating age, experience and qualifications to Ref. 83, W. R. Headley, A.R.I.B.A., A.A.Dipl. Architect, Chief Civil Engineer's Office, British Railways (London Midland Region), 5a, Euston Grove, London, N.W.1. 5099

WARWICKSHIRE COUNTY COUNCIL ARCHITECT'S DEPARTMENT

Applications are invited for the appointment of **DEPUTY GROUP ARCHITECT, Grade A.P.T. IV—V** (£1,065—£1,375).

Applicants must be members of the Royal Institute of British Architects and be competent designers and have a good knowledge of modern methods of construction. They must be capable of handling large building projects from sketch plan to completion. The commencing salary can be within the grade according to ability and experience.

Application forms and other conditions applicable to the appointment can be obtained from G. R. BARNSELY, F.R.I.B.A., County Architect, Shire Hall, Warwick.

L. EDGAR STEPHENS,
Clerk of the Council. 5050

LONDON COUNTY COUNCIL PARKS DEPARTMENT

ARCHITECT, Grade II £1,080 to £1,355. **ARCHITECTS, BUILDING SURVEYORS and LANDSCAPE ARCHITECTS, Grade III**—£850 to £1,135.

ARCHITECTURAL BUILDING SURVEYING and LANDSCAPE ASSISTANTS—£670 to £895.

Commencing rate according to qualifications and experience. Pensionable positions offering interesting and varied work. Application forms from Chief Officer, Parks Dept., County Hall, London, S.E.1. (WATERLOO 5000, Ext. 8076.) 5076

LONDON COUNTY COUNCIL ARCHITECTURAL ASSISTANTS

required up to £895. Full and interesting programme of houses, flats, schools and general buildings. Application form and particulars from Hubert Bennett, F.R.I.B.A., Architect to Council, AR/CK/43/59, County Hall, S.E.1. (923.) 5052

GOVERNMENT OF EASTERN NIGERIA SENIOR TOWN PLANNING OFFICER MINISTRY OF TOWN PLANNING

To design detailed schemes of layouts and general schemes for townships; and advise on the establishment of, and to control the Town Planning Division within the Ministry of Town Planning.

Contract appointment. Starting emoluments £1,950 plus gratuity. Free passages. Rented quarters.

Candidates aged 25—55 must be A.R.I.B.A. or A.M.I.C.E. plus A.M.T.P.I.

Write Director of Recruitment, Colonial Office, London, S.W.1, giving full names, age, qualifications and experience, quoting BCD 62/411/01/E2. 5069

THE UNIVERSITY OF MANCHESTER ASSISTANT BUILDINGS OFFICER

Applications are invited for the position of Assistant Buildings Officer in the Bursar's Department. An architectural or other appropriate qualification would be an advantage. Salary in the range £1,000—£1,250 per annum, according to qualifications and experience. In addition a children's allowance (£50 per annum for each child in receipt of full-time education) is payable. The post carries membership of the Federated Superannuation System for Universities.

Applications should be sent as soon as possible to the Bursar, The University, Oxford Road, Manchester, 13, from whom further particulars may be obtained. 5089

GOVERNMENT OF JAMAICA SENIOR ARCHITECT MINISTRY OF EDUCATION (BUILDING SECTION)

To take charge of the Drawing Office and be responsible for the preparation of designs, construction drawings and specifications for building work mainly for schools.

Contract appointment. Salary range £1,400—£1,600 a year. Gratuity 20 per cent. of salary. Free passages. House provided at moderate rent. Candidates up to 50 years of age must be A.R.I.B.A.

Write to Director of Recruitment, Colonial Office, London, S.W.1, giving age, qualifications and experience, quoting BCD 114/32/011. 4894

LONDON COUNTY COUNCIL HAMMERSMITH COLLEGE OF ART AND BUILDING

Required as soon as possible. **LECTURER** in charge of Interior Design, Mural Decoration and Cabinet Making. Duties involve administration of Section with teaching for National Diploma in Design (Special Level) and for I.B.D. examinations.

Applicants should be suitably qualified, with industrial and teaching experience. Salary £1,250 x £31 10s. to £1,417 10s. plus London allowance of £37 16s. or £50 8s. according to age.

Application forms from Secretary at College, Lime Grove, Shepherd's Bush, W.12, to be returned within 14 days. (1409.) 4895

GOVERNMENT OF EASTERN NIGERIA SENIOR ARCHITECT MINISTRY OF WORKS

To take charge of a large staff in the Architectural Division.

Contract appointment. Salary £2,550 plus gratuity. Free passages. Rented quarters.

Candidates aged 35—45 must be A.R.I.B.A. with at least ten years' post qualification experience.

Write Director of Recruitment, Colonial Office, London, S.W.1, giving age qualifications and experience, quoting BCD 112/411/013. 4843

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Burwell White Gault Facing bricks

Primrose Facing Bricks — Flushed Facing Bricks

(They're a clay product)

Fisons Limited

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Felixstowe, Suffolk

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Address.....

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BOROUGH OF ACTON

ASSISTANT ARCHITECTS OR SURVEYORS
Applications are invited for these appointments in the Special Grade (£785-£1,070 p.a. plus London allowance (maximum £30 p.a.)).
Candidates must have had suitable training and possess appropriate R.I.B.A. or R.I.C.S. qualifications.
Work is initially on conversions of properties and later on design and construction of 7- to 16-storey flats.
Further details and forms of application may be obtained from the Borough Engineer, Town Hall, Acton, W.3, and must be returned to him within three weeks of the appearance of this advertisement. 4900

AUSTRALIA

**THE UNIVERSITY OF NEW SOUTH WALES
SENIOR LECTURER/LECTURER, SCHOOL
OF ARCHITECTURE**

The University invites applications for appointment to the position of SENIOR LECTURER/LECTURER in the School of Architecture.
Salary: Senior Lecturer, £A2,216 range £A2,566 per annum. Lecturer, £A1,516 range £A2,116 per annum.
Commencing salary according to qualifications and experience.

Applicants must possess a degree, diploma or equivalent qualifications and should have experience in the field of their speciality and be eligible for membership of their relevant professional institute.

Applicants must be qualified architects, structural or civil engineers or builders and will be required to lecture in all grades of theory of structures and building construction.

The successful applicant will be eligible, subject to passing a medical examination, to contribute to the State Superannuation Fund.

First-class ship fare to Sydney of the appointee and his family will be paid.

Four copies of applications, including the names of two referees, should be lodged with the Agent General for New South Wales, 56, Strand, London, W.C.2, and a copy forwarded by airmail in an envelope marked "University Appointment" to the Bursar, The University of New South Wales, Post Office, Box 1, Kensington, New South Wales, Australia, before 26th August, 1959. 5008

**RADNORSHIRE COUNTY COUNCIL
COUNTY ARCHITECT'S DEPARTMENT**

Applications are invited for the undermentioned permanent appointments in the County Architect's Department:—

(a) **QUALIFIED QUANTITY SURVEYOR** (must be A.R.I.C.S.), Special Grade, £785 to £1,070 per annum. Required for preparation of Bills of Quantities, Estimates and Schemes, and Direct Labour Costing.

(b) **ARCHITECTURAL DRAUGHTSMAN**, Salary A.P.T. Grade II (£765 to £880). Good drawing board experience essential and candidate should have a knowledge of school and house design and construction. Preference will be given to those holding the Intermediate R.I.B.A.

The appointments will be terminable by one month's notice in writing on either side and will be subject to the provisions of the Local Government Superannuation Acts and to the passing of a medical examination.

The Conditions of Service will be those of the National Joint Council for Local Authorities' Administrative Services. Travelling allowance on County Scale.

Applications, stating age, qualifications and experience, with the names of two referees, must be received by the undersigned not later than 31st August, 1959.

D. C. S. LANE,

Clerk of the Council.

County Hall,

Llandrindod Wells,
Radnorshire.

5071

OLDHAM EDUCATION COMMITTEE

Applications are invited from suitably qualified Architects for the post of Architectural Assistant in the Schools Architects Department at a salary in accordance with experience within the special grade (£785-£1,070).

This post offers excellent opportunities for responsible and interesting work in all spheres of educational building. Housing accommodation will be provided if required.

Applications by letter giving full details of age, qualifications and experience together with the names of two referees should be forwarded within ten days from the appearance of this advertisement, to the Director of Education, Education Offices, Union Street West, Oldham. 5112

BOROUGH OF DEAL

CHIEF ASSISTANT ARCHITECT

Applications are invited from qualified persons for the above appointment in the Borough Engineer's Department. Salary in accordance with Special Grade £785-£1,070 and appointment subject to medical examination, Superannuation Acts and one month's notice on either side.

The Council will be prepared to assist with housing accommodation and will refund 60 per cent. of removal expenses.

Applications with copies of three recent testimonials to be sent to the Borough Engineer and Surveyor, at the address set out below, not later than August 28th, 1959.

ERIC S. DIXON,

Town Clerk.

Municipal Offices,
Queen Street,
Deal.
Kent.

5165

BOROUGH OF WESTON-SUPER-MARE

APPOINTMENT OF ASSISTANT ARCHITECT
Applications are invited for the above appointment from architectural assistants who possess the Intermediate Examination of the R.I.B.A., and have worked for a minimum of one year in an Architect's office.

The salary will be in accordance with the A.P.T. Grade I £510 to £765.

The appointment will be subject to the provisions of the Local Government Superannuation Acts, the terms of the National Scheme of Conditions of Service, and to termination by one month's notice on either side.

A Medical Examination will be necessary. Applications stating age, qualifications, present and previous appointments with Salaries, together with details of experience and the names of two persons to whom reference can be made, should reach the Borough Engineer and Surveyor, Town Hall, Weston-super-Mare, not later than Friday, 28th August, 1959. 5098

**OXFORDSHIRE COUNTY COUNCIL
COUNTY ARCHITECT'S DEPARTMENT**

Applications are invited from Qualified Architects for interesting and progressive appointments in the office of the County Architect. The work is largely educational in character and will be concerned with the preparation of schemes for new schools in contemporary design and construction.

Applicants should be Associates of the Royal Institute of British Architects and should have had some office experience. One appointment is offered on A.P.T. Grade IV (£1,065-£1,220), and two appointments in the Special Grade (£785-£1,070). Junior appointments on A.P.T. Grade I (£510-£765) are also available.

Applications giving full particulars, the names of two referees, accompanied by a copy of a recent testimonial, should reach the County Architect, Park End Street Offices, Oxford, not later than 14 days after the appearance of this advertisement.

GERALD GALE BURKITT,

Clerk of the Council.

County Hall,
Oxford.

5100

BOROUGH OF JARROW

CHIEF ASSISTANT ARCHITECT

Applications are invited for the above appointment on Grade A.P.T. IV. Applicants should be A.R.I.B.A. Details and application form obtainable from Borough Engineer, Town Hall, Jarrow, Co. Durham, and completed applications must reach the undersigned not later than 26th August, 1959.

M. L. ROTHFIELD,

Town Clerk.

5116

LINDSEY (LINCOLNSHIRE) COUNTY

COUNCIL

ARCHITECT'S DEPARTMENT

Vacancies on permanent staff for THREE ASSISTANTS holding R.I.B.A. Intermediate qualification Grade A.P.T. II, £765/£880, or Final qualification Special Grade, £785/£1,070.

There is a large and varied programme of work, and salary at starting point within the grade dependent upon experience. N.J.C. Conditions of Service. Canvassing will disqualify. Candidates must disclose in writing whether to their knowledge they are related to any member or Senior Officer of the Council.

Applications, stating post applied for and salary required, giving age, qualifications, experience, present post and salary, and the names of at least two persons to whom reference can be made, to be sent within 14 days of the appearance of this notice, to the County Architect, County Offices, Lincoln. 4864

BOROUGH OF KING'S LYNN

HOUSING ARCHITECT'S DEPARTMENT

Applications are invited for the appointment of ASSISTANT QUANTITY SURVEYOR. Salary Grade I A.P.T. (£510 rising to £765 per annum).

The appointment is superannuable and subject to the National Scheme of Conditions of Service, and to Medical Examination.

Consideration will be given to the provision of a house.

Applications, giving age and full particulars of qualifications and previous appointments, and naming two referees, should be addressed to G. Holmes, A.R.I.B.A. Housing Architect, Clifton House, Queen Street, King's Lynn, not later than Monday, 24th August, 1959.

Canvassing disqualifies.

E. W. GOCHER,

Town Clerk.

Town Hall,
King's Lynn,
Norfolk.

4891

HUNTINGDONSHIRE

COUNTY ARCHITECT'S DEPARTMENT

Applications are invited for the following appointments:—

(a) **ARCHITECTURAL ASSISTANT** Special Grade (£785-£1,070) or Grade A.P.T. 3 (£880-£1,065) according to qualifications.

(b) **ARCHITECTURAL ASSISTANT** Grade A.P.T.2 (£765-£880).

Further details and application forms may be obtained from the County Architect, County Buildings, Huntingdon. Completed application forms should be returned to the undersigned by 28th August, 1959.

A. C. AYLRARD,

Clerk of the County Council.

County Buildings,
Huntingdon.

4860

**THE ROYAL INFIRMARY OF EDINBURGH
AND ASSOCIATED HOSPITALS
ARCHITECTURAL ASSISTANT**

Applications are invited from experienced candidates, preferably holding the Intermediate Certificate of the R.I.B.A. Starting salary £525 to £605 per annum, according to age and experience. Apply to Personnel Officer, Royal Infirmary, Lauriston Place, Edinburgh, 5. 4931

Architectural Appointments Vacant

4 lines or under, 9s. 6d.; each additional line, 2s. 6d.
Box Number, including forwarding replies, 2s. extra

ASSISTANT ARCHITECT required by Richard C. Costain Limited. Candidates should be fully qualified. Work is carried out on a group system and mainly concerns industrial type construction. Attractive salary and excellent promotion prospects. Write stating details of training and experience to Personnel Officer, 111 Westminster Bridge Road, London, S.E.1. 5096

REQUIRED in Oxford office of W. H. Watkins, Gray & Partners, ASSISTANT to work on advanced Technical Laboratory. Apply in writing to 57, Catherine Place, S.W.1, or ring for appointment. Vic 7761. 3955

SEVERAL Senior and Intermediate ARCHITECTURAL ASSISTANTS are required for commercial projects including Hotel, Theatre and extensive development schemes of offices and light industry, etc., in London Architect's office. Holiday arrangements will be recognized. Five-day week. Salary according to experience. Telephone City 8811. 4151

EXPERIENCED ARCHITECTURAL ASSISTANTS required, one Qualified and one of at least Intermediate standard, for Branch Office, Birmingham, engaged on a varied and interesting programme of Commercial projects. The positions are pensionable and a five-day week is in operation. Applications, giving full particulars, to G. S. Hay, F.R.I.B.A., Chief Architect, Co-operative Wholesale Society Ltd., 1, Balloon Street, Manchester, 4. 4307

ARCHITECTURAL ASSISTANT, London. Final standard. Industrial and commercial. Progressive and interesting. Salary according to experience and ability. Box 4329.

ARCHITECTURAL ASSISTANT, Intermediate standard. Busy London office. Good prospects. Box 4330.

SOUTH KENSINGTON Architects' Office require experienced Intermediate ASSISTANT with good ability in design. Apply: B. Mountford Pigott & Partners, Kensington 1242. 4445

ASSISTANT required, Final standard. Salary approximately £1,000 per annum. Office at Stroud, Dursley, and site office in Bristol. Write giving details of qualifications and experience to Elly Anderson, Bolser & Falcomer, Imperial House, Stroud, Gloucestershire. 4146

TWO ARCHITECTURAL ASSISTANTS, Intermediate standard, required for very large scheme. West End Office. Excellent salary, bonus and luncheon vouchers. Box 4523.

CROYDON—ASSISTANT of Intermediate standard required in Architect's office. Varied work and good prospects. Apply in writing, giving all particulars to George Lowe & Partner, 4, High Street, Croydon. 4527

ARCHITECTURAL ASSISTANTS of Final and Intermediate standard, with good industrial experience, required for work on Atomic Power Stations. Excellent opportunities in an expanding London office. Apply, stating age, experience and salary range, to The Chief Architect, Nuclear Civil Constructors, 52/55, Carnaby Street, London, W.1. 4719

EXPERIENCED ARCHITECTURAL ASSISTANTS required with a good sense of design and a sound knowledge of building construction. All applications in writing please with full details. C. H. Bloom & Partners, 10, Lower Grosvenor Place, S.W.1. 4592

PLAYNE & LACEY urgently require ASSISTANTS for varied and interesting work on a new University Building. Five-day week. Salary by arrangement. Ring Whitehall 2650 for interview and write 19, Queen Anne's Gate, Westminster, S.W.1. 4579

LOUIS DE SOISSONS, PEACOCK, HODGES & ROBERTSON have immediate vacancies for Senior and Junior ARCHITECTURAL ASSISTANTS. Please write stating age, experience and salary required to Midland Bank Chambers, Howardsgate, Welwyn Garden City, Herts. 4663

LOUIS DE SOISSONS, Peacock, Hodges & Robertson have immediate vacancies for Senior and Junior ASSISTANTS. Write stating age, salary and experience to the above at 3, Park Square Mews, Upper Harley Street, London, N.W.1. 4655

LEWELLYN SMITH AND WATERS require Senior and Junior ASSISTANTS for a widely varied programme of work. Salary according to experience. Please write stating qualifications, experience and age to 103, Old Brompton Road, S.W.7. 4620

ARCHITECTURAL ASSISTANTS required. Dorset and Great Missenden. Salary £500-£850 according to experience. W. Leslie Jones, Architect, 59, High Street, Great Missenden, Buckinghamshire. Tel.: Great Missenden 2306. 4694

LONDON Office requires **ARCHITECTURAL ASSISTANTS** with sound knowledge of contemporary design and construction. Salary according to experience. Ring **VICTORIA 7088** for appointment. 4664

ARCHITECTURAL ASSISTANTS required for several large projects. Excellent opportunities to suitable applicants. Five-day week. Please write giving full particulars of experience and salary required to **Johns, Slater & Haward, F.A.R.I.B.A., 32, Foundation Street, Ipswich.** 4675

ARCHITECTS' Office with varied, interesting work, requires **JUNIOR** and **SENIOR ASSISTANTS**. Must have progressive outlook. Apply, stating age, experience and salary required, to **F. Potter, F.R.I.B.A., 3, Vicarage Road, Edgbaston, Birmingham, 15.** 4724

JUNIOR ARCHITECTURAL ASSISTANT required in Manchester for Bank Architect's Department to work on extensive programme of modernisation and new construction. Apply, giving details of age, experience and salary required, to **Box 4727.**

GLASGOW ARCHITECTS, moving to new offices, now seek (i) Experienced **SENIOR ASSISTANT** to run large Industrial Contract under principals' supervision; (ii) younger **ASSISTANT**, possibly newly qualified but keen designer. Five-day week. Pension Scheme. Busy but congenial atmosphere. Write basic particulars, in confidence, to **S. Lothian Barclay, A.R.I.B.A., 79, West Regent Street, Glasgow, G.2,** or telephone **DOUGLAS 3069** for appointment. 4731

ASSISTANT of Intermediate/Final standard required in Croydon office. Varied and interesting work. Five-day week, holiday this year. Apply by letter to **Hugh Macintosh & Partners, 33/35, High Street, Croydon.** 4797

TWO experienced **ARCHITECTURAL ASSISTANTS** required, one Senior and one of Intermediate standard, for newly formed Branch Office in Nottingham. The positions offer prospects of advancement and are pensionable. Applications, giving full particulars, to **G. S. Hay, F.R.I.B.A., Chief Architect, Co-operative Wholesale Society Ltd., 1, Balloon Street, Manchester, 4.** 4732

SEELY AND PAGET have immediate vacancy in their City Office. Post Intermediate **R.I.B.A.** standard with four years' office experience. Holiday arrangements respected. Salary by agreement. Telephone **MET. 8511.** 4798

ARCHITECTURAL STAFF, all grades, required. **Ronald Ward & Partners, 29, Chesham Place, S.W.1.** Belgravia 3361. 4805

INTERMEDIATE to Final standard **ASSISTANT** with some years' office experience required mainly for University and School work. **Woodroffe, Buchanan & Coulter, telephone CHANCERY 3526** for interview. 4766

ARCHITECTURAL ASSISTANTS required, Intermediate standard, for large practice in London. Full details of experience, etc., to **Box 4760.**

ARCHITECTURAL ASSISTANTS required, Associate and Intermediate standards, for Commercial, Hospital and Industrial work. Holiday commitments will be honoured. Apply to **Teather & Hadfield, Mazda Buildings, Campo Lane, Sheffield, 1.** 4763

TWO ASSISTANT ARCHITECT/DESIGNERS wanted for West End Office. Salary £700 upwards, plus allowances, dependent on experience and qualifications. Good prospects. Also two **JUNIORS** required, Intermediate standard or recently qualified, commencing salary £550. Apply **Box 4770.**

MANCHESTER—Vacancy for a qualified **ARCHITECT** with contemporary ideas in a young expanding practice with a wide range of work. Design ability essential, and experience in school design and detailing. Congenial office, salary by arrangement. **Box 4767.**

GEORGE WIMPEY & CO., LIMITED
THE Architects Department's current work covers all types of technical, industrial and domestic projects.

Appointments are available for a wide range of experience, particularly for Assistants who appreciate the contribution good design can make towards efficient construction and are interested in applying cost knowledge to detailing.

Appointments on a permanent basis are immediately available at Head Office for **ASSISTANT ARCHITECTS** and **ARCHITECTURAL ASSISTANTS.**

Salaries will match qualifications and experience and, following a probationary period, there is a Pension Scheme available.

SHORT TERM APPOINTMENTS for periods up to 12 months are also available for Senior and Intermediate **ASSISTANTS** at Head Office on working drawings and details for large industrial building projects, good salaries offered.

Applicants should write to **E. V. Collins, A.R.I.B.A., Hammersmith Grove, London, W.6.** 4792

VERNER REES, LAURENCE & MITCHELL requires experienced **ASSISTANTS** for work on University projects. Please telephone **PARK 3900** for interview or write to **38 Holland Villas Road, W.14.** 4829

THE Architect's Department of Taylor Woodrow Construction Ltd., urgently require **STAFF** with initiative and contemporary outlook, all grades. Industrial and Commercial work. Salary commensurate with experience. Holiday commitments recognised. Pension scheme. Staff restaurant. Apply Personnel Manager, Kuislip Road, Southall, Middlesex. 4777

ASSISTANTS required within the salary range of £600—£1,000 to work in pleasant cheerful office on full and varied programme. Must be capable of good contemporary design. Good holidays and working conditions. Holiday commitments honoured. Deacon & Laing, 56, Goldington Road, Bedford. 4796

ANYONE between the ages of 25—33 years with strictly Gothic outlook willing to work for practically no salary in ill lit, undehated, rat infested attic, 50 miles North of London with bad tempered principal on deadly dull work, should apply, giving full details of their experience and salary required (if any), to **Box 4791.**

QUALIFIED ARCHITECTURAL ASSISTANTS required by Cecil Howitt & Partners, St. Andrew's House, Nottingham. Applications requested in writing, giving details of experience, salary required, etc. 4820

SIR JOHN BURNET, TAIT & PARTNERS require men who really enjoy working on the drawing board. Salaries from £1,000 to £1,500 for **ASSISTANTS** who can initiate and develop their own sketch drawings to all scales. Luncheon vouchers, Pension (non-contributory) and Medical scheme. Telephone for appointment: **LANGHAM 3826.** 4785

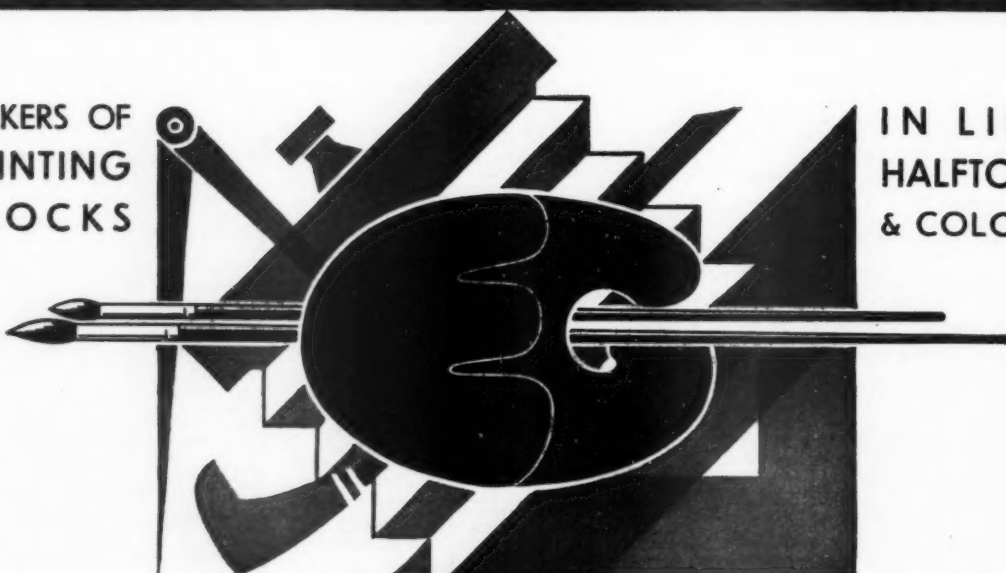
ARCHITECTURAL ASSISTANTS for University and Hospital work. Good salary, dependent on experience. Non-contributory Pension Scheme in being after probationary period. Three weeks holiday a year and five-day week. Reply, stating age, experience, etc., to: **Thomas Worthington & Sons, 178, Oxford Road, Manchester, 13.** 4784

ASSISTANT required in surveyor's office of a South Coast Brewery Company for maintenance of licensed premises. Ability to produce colour schemes for exterior and interior decorations of particular importance. Pension scheme. State salary required. **Box 4808.**

LANCHESTER & LODGE urgently require **ASSISTANTS** of all standards requiring up to £900 per year. Varied and interesting work. 5-day week and luncheon vouchers. Write full particulars—10 Woburn Square, London, W.C.1. 4817

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ARCHITECTS wanted for large and interesting contemporary developments. Holidays respected. State salary and experience. Box 4789.

ARCHITECT with small but rapidly growing practice in London, W.I., requires **FIRST ASSISTANT**. Must be neat, quick draughtsman and enjoy his work. Remuneration commensurate with experience and work to be carried out. Please reply to Box 4937.

NORTH & PARTNERS, Chartered Architects, Maidenhead, have vacancies for experienced **ARCHITECTURAL ASSISTANTS** at Intermediate to Final standards. Salary range £750 to £1,250. 4938

ARCHITECTURAL ASSISTANT required of Intermediate to Final standard for a recently established expanding and varied practice in South of England. Alun Jones and Allerton, 39 High Street, Bromley, Kent. RAVensbourne 6472. 4939

ASSISTANTS required by Architectural department of a large building concern in the South, to assist in interesting and large development schemes. Experience essential in design of multi-storey premises, shops and estate layout. Holidays respected. Apply in first instance to Box 4940 stating age, experience and salary required.

ARCHITECTS. SENIOR ARCHITECTURAL ASSISTANTS required immediately for a wide variety of work. Salary range £800-£1,000 per annum (according to experience and qualifications). Superannuation scheme. Application should be made in writing to Kenneth F. Masson, A.R.I.B.A., Chief Architect, S.C.W.S. Ltd., 76 Morrison Street, Glasgow, C.5. 4942

THE CHIEF ENGINEER of a leading Manufacturing Company in Trafford Park, Manchester, has a vacancy for a **SENIOR ASSISTANT** to help him with minor building projects. Applications are invited from men who have had some experience in an Architect's Office. The commencing salary would be commensurate with qualifications and experience but would not be less than £800 per annum. Write giving details of age, qualifications, experience and salary required to The Manager, Central Personnel Services, Box 4991.

NEW PRACTICE in East Anglia, not yet fully occupied, offers Surveys, Supervision, or any other form of help to busier brethren. Box 4986.

ARCHITECTURAL ASSISTANT required for busy private practice. Good detail draughtsman with sound all-round knowledge in the architectural field and must be capable of working with minimum supervision. Apply MAYfair 3811. 4988

BIRMINGHAM. Enlightened ASSISTANTS of at least Intermediate standard with a keen design sense required to work in a small team carrying out exciting town developments including hotel, shops, offices, etc. Salary and bonuses in accordance with ability. Apply Group 3, James A. Roberts, A.R.I.B.A., 86 New Street, Birmingham, 2. 4989

ARCHITECT/INTERIOR DESIGN ASSISTANT (male), Intermediate to Final R.I.B.A. standard, salary £500/£900. Details of previous experience to Leslie Walker, A.R.I.B.A., Company Architect, John Perring Ltd., Sheen Lane House, 254 Upper Richmond Road West, London, S.W.14. 4997

ASSISTANT, Intermediate to Final, required for country practice, salary according to experience. Write with experience, age and salary to Forsyth Lawson, Cunningham and Partners, 30, Horse Fair, Banbury. 5000

SENIOR AND INTERMEDIATE ARCHITECTURAL ASSISTANTS required in South-West Brewery. Knowledge of licensed house planning and maintenance essential. Five-day week. Pension and profit-sharing schemes operative after satisfactory probationary period. Full details and salary required to H. R. Robinson, L.R.I.B.A., Stroud Brewery Co. Ltd., Stroud, Glos. 5001

ARCHITECTURAL ASSISTANT required in Wembley. Experience in design and construction of industrial buildings and office blocks. Write stating age, experience and salary required to Box 5002.

ARCHITECTURAL ASSISTANTS required for City office. Design, working drawings, surveys, interesting projects. Congenial employment, five-day week. Apply Lowe, Ferguson & Partners, 1/3 Eberle Street, Liverpool 2. 5004

THE RANK ORGANISATION requires a qualified **ARCHITECTURAL ASSISTANT** in the Dept. dealing with renovations, reconstructions and alterations to cinemas. We seek a man approximately 24-30 preferably with experience of a similar nature and with experience in interior decorating and designing. He must be able to produce evidence of his ability to assume responsibility and be capable of producing working drawing, specifications and supervising work to completion. The post is permanent and pensionable. Please write, stating age, experience and salary required to Personnel Officer, The Rank Organisation, 11 Belgrave Road, S.W.1. 4888

ASSISTANT ARCHITECT required, not necessarily qualified, with some aptitude for traditional design. Salary according to experience. Waterhouse & Ripley, P.P./F.R.I.B.A., Staple Inn Buildings, High Holborn, London, W.C.1. HO1. 2399. 4867

ARCHITECTS with interesting department stores under construction and in the design stages, require two **ARCHITECTURAL ASSISTANTS**. Salary £800-£1,100. Apply Box 4868.

VACANCY in young progressive office in West End for **ASSISTANT**. Final or recently qualified standard, willing to take responsibility. Opportunities for designing and supervising small jobs. Salary £700-£800. Apply Box 4869.

QUALIFIED SENIOR ASSISTANT required for City Firm of Building Surveyors for Staff Architects Department, Industrial and Commercial Buildings. Salary £800-£1,100. Suitable applicant could be engaged at once or start in September, depending on holiday commitments. Apply to: Chamberlain & Willows, 23, Moorgate, London, E.C.2. 4870

RONALD FIELDING, A.R.I.B.A., requires immediately a **SENIOR ASSISTANT** to take charge of a large contract in central London. Write or telephone Aldwych House, W.C.2. CHANCERY 8201. 4875

A LONDON Architect with a considerable practice would like an **ASSISTANT** who not only likes drawing but can do it well and quickly. If his interest has survived school training, it would be an advantage. Please reply to Box 4876.

KATZ AND VAUGHAN have vacancies for one Senior and one Junior **ASSISTANT**. Regent 5401. 208a, Regent Street, W.1. 4977

SIR GILES SCOTT, SON & PARTNER require a keen **ARCHITECTURAL ASSISTANT** with some office experience. Intermediate standard. Salary up to £750/£800. Apply by letter to 9 Gray's Inn Square, London, W.C.1. 4880

JUNIOR ASSISTANTS urgently required in progressive West End Office, Intermediate standard. Write giving salary required, experience, etc. Ardin & Brookes, 129, Mount Street, W.1. 4881

TRIPE & WAKEHAM, Chartered Architects, require **ASSISTANTS** with three to five years' office experience. Telephone WELbeck 7744 or write 16, Fitzhardinge Street, W.1, for an appointment. 4885

DAMS, HOLDEN & PEARSON require **SENIOR ARCHITECTURAL ASSISTANTS**, and **ASSISTANTS** not less than R.I.B.A. Intermediate standard. The work includes Hospitals, Commercial Buildings and Laboratories. Apply giving age, qualifications, experience and salary required to 38, Gordon Square, W.C.1. 4886

ARCHITECTURAL ASSISTANTS required, of Junior and Intermediate standard, for busy private office in Romford. Salary range £300 to £650 according to experience. The work is interesting and varied and includes schools, commercial, industrial and domestic work. Five-day week. Write with full details to Box 4887.

PROGRESSIVE ARCHITECT or **ARCHITECTURAL ASSISTANT** required by Developers, for London Office. Must be experienced in housing estate work and able to produce attractive and economic designs for houses in the lower price range. Please state age, experience and salary required to Box 4890, quoting Ref. WXY/1.

WATKINS & PARK require **ASSISTANT ARCHITECT** at Basildon. Salary £600 to £800 by agreement. Variety of contracts. Good experience and plenty of scope for advance for a man interested and willing to take opportunity. Write 27 Rockleigh Avenue, Leigh on Sea, Essex. 4901

ASSISTANT, fully qualified, required for busy West Riding practice. Experience essential. State age and salary. Box 4912.

MANCHESTER. Intermediate standard ASSISTANT required for congenial office, wide variety of work. Must have contemporary outlook and good presentation. Alternate Saturdays. Salary by arrangement. Box 4905.

CLIFFORD CULPIN, O.B.E., F.R.I.B.A., M.T.P.I., of 39, Doughty Street, London, W.C.1, requires immediately keen **ASSISTANTS** of about sixth year (Post Intermediate) Evening School standard. They are required to assist Associate Partners in the development of projects from sketch designs onwards. Starting salaries £800 to £900 and opportunities for advancement for men with ability and real interest. Phone or write for appointment. Chancery 5395. 4908

EXPERIENCED ARCHITECT required with drive, initiative and ability to assist partners in managing busy medium sized office in Westminster. Qualified persons with some pre-war experience would be preferred. Salary by arrangement. Post Box 4909.

SIR ROBERT TASKER & PARTNERS immediately require **ARCHITECTURAL ASSISTANTS** (Final and Intermediate) in office with varied practice. Write to No. 3, Field Court, Gray's Inn, W.C.1, or telephone Chancery 5567 stating salary required. 4913

CO-OPERATIVE WHOLESALE SOCIETY LTD. ARCHITECTS' DEPARTMENT, MANCHESTER **ARCHITECTURAL ASSISTANTS** required with experience on large commercial projects to assist on interesting and varied programme. Five-day week. Pension Scheme. Holiday arrangements honoured. Applications stating age, experience, qualifications and salary required to G. S. Hay, F.R.I.B.A., Chief Architect, Co-operative Wholesale Society Ltd., 1, Balloon Street, Manchester, 4. 4935

SENIOR ASSISTANT urgently required, must be experienced in industrial schemes and particularly in site supervision. Salary according to ability. Phone SOUTHall 3491. 4902

ARCHITECTURAL DESIGNER with experience in the preparation of designs and specifications for building and civil engineering work covering industrial and office buildings, including site surveys.

Required to join a team of designers for initiating development work at a large steel works near Sheffield.

Superannuation scheme in operation. Applicants to state age, education and training, qualifications, present and past appointments with types of work undertaken, and give indication of salary expected.

Applications should be addressed to the Chief Engineer, Samuel Fox and Company Limited, Stocksbridge Works, Nr. Sheffield. 4905

AN ARCHITECT with a taste for good living and mountain air, and with considerable ability to interpret and develop sketch designs, with a few years' practical experience and a bright, resilient temperament, is invited to apply for a post in Lausanne to work on hospital projects for West Africa. A maximum salary equivalent to approximately £1,500 p.a. is offered.

At the same time three young, enthusiastic, qualified (if only recently) **ARCHITECTS** who are good draughtsmen and are prepared to work for periods at high pressure, are invited to apply for posts as architectural assistants in London to assist on working drawings both for hospitals referred to above and other general projects in West Africa. A minimum salary of £700 p.a. is offered. In all cases the salary agreed will depend on qualifications, experience and ability.

The London posts offer the future opportunity of a tour of duty in West Africa to suitable people.

Interested architects should apply in writing stating which post they are interested in, to: William F. Vetter and Kenneth Scott Associates, Architects, 154, Shepherds Bush Road, London, W.6. 4948

QUALIFIED ASSISTANT ARCHITECTS required, minimum three years' office experience, preferably in London. Salary according to ability and experience. Theo. H. Birks, 38, Portland Place, W.1. LAN 7236. 4917

INTERMEDIATE standard ASSISTANTS required, minimum two years' office experience. Salary according to ability. Theo. H. Birks, 38, Portland Place, W.1. LAN 7236. 4918

RESPONSIBLE SENIOR ARCHITECTURAL ASSISTANTS required by Hasker & Hall, L./F.R.I.B.A., for their medium size offices in London and Warwickshire. Interesting and varied work. Scope for initiative. Good salary. Write to 13 Welbeck Street, W.1, or telephone WEL 0061 or Knowle (Warwickshire) 3502. 4919

ARCHITECTURAL ASSISTANT, Intermediate standard, required in Architect's Department of London Brewery Company. Must be good draughtsman. Write stating age, experience, salary required. Box 4923.

ARCHITECT'S ASSISTANT, Intermediate standard, required in Bristol office. Permanent and progressive appointment. Apply giving full details of experience and salary required, to Box 4924.

ASSISTANT of Intermediate/Final standard required in London Office for educational work, some overseas. Salary according to experience. Apply by letter to Frank Rutter, F.R.I.B.A., 2, Finchley Road, London, N.W.8. 4925

ASSISTANT of Intermediate standard required in London Office. Salary according to experience. Apply to Frank Rutter, F.R.I.B.A., 2, Finchley Road, London, N.W.8. 4926

ARCHITECTURAL ASSISTANT of Intermediate standard required for general practice in Oldham. Apply stating age, experience and salary required to Box 4927.

ARCHITECT'S ASSISTANT required for general practice. Salary range £600-£750. Apply in writing giving full details to Francis W. Keyworth, L.R.I.B.A., 20, Park Road, Melton Mowbray, and 31, Friar Lane, Leicester. 4930

SENIOR AND JUNIOR ASSISTANTS required for interesting design and development work on Departmental Stores. Experience preferred but not essential. Salary according to ability. George Baines & Syborn, A.R.I.B.A., 121, Victoria Street, Westminster, S.W.1. 4978

FREDERICK GIBBERD has vacancies at Harlow for a few recently-qualified **ASSISTANT ARCHITECTS**. Interesting work in the provinces and in Harlow. Houses and flats available. Please apply in writing to Frederick Gibberd, 19, The Rows, Stone Cross, Harlow, Essex. 4980

ARCHITECTURAL ASSISTANT, Intermediate standard, required in busy but friendly office. Must be interested in good house design and have sound knowledge of construction. Previous house design experience essential. Five-day week. 9.30-5.0. Holiday arrangements honoured. Salary by arrangement. Particulars to: The Tamworth Park Construction Co. Ltd., 2 Thrale Road, Streatham, S.W.16. 4982

ARCHITECTURAL ASSISTANT, post-Intermediate standard, with at least one year's office experience is required for varied and interesting work by Stewart & Hendry, F./F.R.I.B.A., 90, Fenchurch Street, E.C.3. Royal 6216. 5082

ARCHITECTURAL ASSISTANT (Final standard) required at once for Birmingham office specialising in hospital and school design. Salary by arrangement. Alternate Saturdays free. Write for appointment, giving particulars of experience. Martin & Martin & W. H. Ward, 106, Colmore Row, Birmingham 3. 4983

ARCHITECTURAL ASSISTANT, up to R.I.B.A. Intermediate standard. Salary according to experience. Sutton, Griffin & Sweetnam, F./R.I.B.A., Dip.Arch., 87, Northbrook Street, Newbury, Berks. 5032

ARCHITECTURAL ASSISTANT required from about Intermediate standard to recently qualified, for interesting and varied work in practice mainly concerned with commercial projects. Five-day week. Congenial working conditions. Salary by arrangement. Apply in writing giving full particulars, age, to J. Alfred Harper & Son, Union Chambers, 65, Temple Row, Birmingham. 5029

If you enjoy preparing attractive, accurate working drawings; if you can prepare accurate, concise Specifications and Schedules; if you would like to work on buildings of all types; then we think that an Intermediate to Final standard man with 4 years' office experience could fill a vacancy which we have. Our working conditions are good and we offer £700 per annum "plus" if you are better. W. S. Hattrell & Partners, 1, Queens Road, Coventry. 5040

ARCHITECT'S ASSISTANT with office experience, a sound knowledge of straightforward construction and ability to produce clear working drawings, required in busy Birmingham Office. Pension Scheme. Salary £850. Box 5094.

WANTED. ARCHITECT'S ASSISTANT. Qualified with London experience. Write or telephone stating age, experience and salary required. G. Langley-Taylor and Partners, 9 Kings Bench Walk, Temple, E.C.4. Telephone: Central 4774. 5083

ARCHITECT'S DEPARTMENT of Schweppes Ltd. needs ASSISTANTS. Applicants must have a sound knowledge of building construction and an aptitude for organisation and administration. Salary by arrangement. Please write, stating age, etc. to the Personnel Manager, Schweppes House, Connaught Place, London, W.2. 5084

POSITION for experienced young ARCHITECT or SURVEYOR interested in farm building planning and improvement work. Apply in writing to R. A. Bennett & Partners, Chartered Surveyors & Land Agents, Sheep Street, Cirencester, Glos. 5085

YORKE, ROSENBERG & MARDALL require ASSISTANTS. Apply in writing to 2 Hyde Park Place, London, W.2. 5090

ARCHITECTS and Surveyors with general practice require ASSISTANTS (Intermediate). Qualified or equivalent standards, with initiative and ability to work with minimum supervision. Excellent opportunity for acquiring wide experience on small and large scientific, commercial and industrial buildings. Good salary. Luncheon Vouchers. Pension scheme. Five-day week. Ley, Colbeck & Partners, F./R.I.B.A., F./R.I.C.S., 51 Bishopsgate, London, E.C.2. London Wall 7282. 5078

SENIOR ARCHITECTURAL ASSISTANT required. Capable of taking full control of interesting proposals. Write with full particulars including salary to: R. H. Gallanbaugh, L.R.I.B.A., 54 Queen Anne Street, London, W.1. 5077

COMPETENT in East Sussex carrying out chiefly high class domestic work requires competent personal ASSISTANT. Salary entirely dependent upon experience, ability and initiative. Box 5076.

SENIOR ASSISTANT required to work in West End Office upon variety of contemporary industrial and commercial projects. Holiday this year. Phone SLOane 0833. 5035

JUNIOR ASSISTANTS required to work in Victoria Office upon large industrial projects. Holiday this year. Phone SLOane 0833. 5036

YOUNG ARCHITECTS of real ability still wanted to complete architecture/design group. Write, stating present salary and enclosing photograph/drawing of recent work to: Tom Hancock, Morton & Lupton, 1 Church Lane, Wallingford, Berks. 5073

ARCHITECTS' CO-PARTNERSHIP require a qualified ASSISTANT to work in their Lagos Office on various interesting projects. Starting salary £1,000 p.a. Car and living accommodation provided. Please write 44, Charlotte Street, W.1. or phone LANGham 5791. 5064

ARCHITECTURAL ASSISTANTS required by Richard Costain Ltd. for work mainly on industrial type constructions. Attractive salaries and good promotion prospects; opportunities for overseas service for anyone interested. Write stating age and details of training and experience to Personnel Officer, 111, Westminster Bridge Road, London, S.E.1. 5067

ASSISTANT of Intermediate standard required for newly formed Architect's Department. The successful applicant will work directly with the Company Architect, both on design and constructional stages. Good salary and opportunity for advancement. Apply to the Architect, Brixton Development Co. Ltd., 22-24, Ely Place, E.C.1. telephone CHANCery 5141. 5045

ARCHITECTS require experienced SENIOR and JUNIOR ASSISTANTS for expanding office. Five-day week. Salary and future prospects according to ability and initiative. Send full particulars and salary required to M. Rainsford Fletcher & Partners, 13, Ambrose Place, Worthing, Sussex. 5042

KEEN young ASSISTANT required, West End office. Must be good draughtsman and have sound knowledge of building construction. Salary £750 to £850. Apply William Ryder, 21, Bruton Street, Berkeley Square, W.1. 5068

MICHAEL MOSS requires ASSISTANTS of Intermediate R.I.B.A. standard for Nottingham office. Tel. Nottm. 47122. 5070

ASSISTANT required, Maidstone. Capable of preparing working drawings and details. Write stating experience, qualifications, age, and when available. Box 5059.

ARCHITECTURAL ASSISTANT required for interesting general practice. Intermediate standard. Must be capable of working with minimum of supervision. Apply stating age, experience and salary required to Malcolm Peck, Roberts & Associates, A./R.I.B.A., 15, Friary Street, Guildford, Surrey. 5043

SENIOR ASSISTANT required for Architect's office in East Lancashire. Final or near Final standard. varied practice including schools, industrial work, etc. Write stating experience, salary and qualifications to Box 5044.

EXPERIENCED ARCHITECTS who wish to supplement their income write to Box 5046.

SIR GILES SCOTT, SON & PARTNER require a keen ARCHITECTURAL ASSISTANT with some office experience. Intermediate standard. Salary up to £750/£800. Apply by letter to 9, Gray's Inn Square, London, W.C.1. 5048

ASSISTANT ARCHITECT required for employment in France for a minimum period of two years. Candidates should have had service training and be holders of the R.I.B.A. knowledge of the French language is desirable. Salary within the range £830 (age 25) - £1,125 (age 34 or over) per annum according to age and qualifications. Cost of Living Allowance payable in addition. Applications should be forwarded by 14th August, 1959, to Establishment Officer (Appointments), Imperial War Graves Commission, Woodburn House, Woodburn Green, near High Wycombe, Buckinghamshire. 5091

ARCHITECTS. Two qualified capable energetic ASSISTANTS required. Good salary and excellent prospects in progressive West End Office. Full particulars to Box 4966.

ASSISTANT ARCHITECT required by John and David Martin Limited. This Company is a member of the Laing Organisation. Applicants should be of intermediate R.I.B.A. standard, preferably with housing experience. The position offers opportunities for advancement in a busy office on a variety of work connected with private housing estate development. Contributory Pension Scheme, 5-day week. Applications to Personnel Manager (Ref. J.D.M.A.1), John and David Martin Limited, Page Street, Mill Hill, London, N.W.7. 4972

EXPERIENCED ARCHITECTURAL ASSISTANT required of Intermediate standard or above, capable of working with minimum supervision. Salary by arrangement. Apply to: S. Dodson & Son, L.A.R.I.B.A., Museum Buildings, Priestgate, Peterborough, Northants. 5009

EXPERIENCED ARCHITECTURAL ASSISTANT required in Estate Department of Midlands Brewery. Applicants should have good design ability, a sound knowledge of building construction and be approaching R.I.B.A. Final standard. Salary by arrangement according to age and experience. Apply with full details to Box 5010.

ASSISTANT of R.I.B.A. Intermediate or Final standard. Write stating age, experience, salary required to Gunton & Gunton, F./R.I.B.A., F./R.I.C.S., Empire House, 85, Martin's le Grand, E.C.1. 5013

LEICESTER progressive office requires keen ARCHITECTURAL ASSISTANTS of all grades, permanent. Apply in writing to C. Edmund Wilford & Son, 2 Hastings Street, Leicester. 5014

KEEN ARCHITECTURAL ASSISTANTS, Final and Intermediate standards with desire for responsibility wanted immediately. Only good draughtsmen welcome. Site experience available, as well as drawing office. Five-day week, bonus on some jobs, holidays this year by arrangement. L.V.s. available. Details to Felix Walter, F.R.I.B.A., 4 Raymond Buildings, Gray's Inn, W.C.1. or phone HOLborn 0535/6. 5017

SENIOR ASSISTANT required in Architects' office, W.C.1. Hospitals, theatres, schools. Salary £750-£950 plus luncheon vouchers. Box 5021.

HIGH salaries and exceptional opportunities for advancement to competent ASSISTANTS of all grades. Knapton & Deane, 6 Martin Lane, E.C.4. MAN 6282. 4844

NORMAN & DAWBARN invite applications from ARCHITECTURAL ASSISTANTS at Intermediate/Final standard with at least 3 years' office experience. Salary £850/£900 p.a. Write to: 7, Portland Place, W.1, giving full particulars. 4949

ARCHITECTURAL ASSISTANT required by A progressive and expanding Building and Development Company. Excellent opportunity for man up to Intermediate standard. Commencing salary, according to experience and potential, £600 to £750 p.a. Permanent and pensionable position. Apply in writing, giving age and full details to Chief Architect, Croudale Limited, Caterham, Surrey. 5062

SENIOR and INTERMEDIATE grade ASSISTANTS required in busy office in the Midlands. Group system of organisation calling for initiative and responsibility. Interesting range of work. Holiday arrangements respected. Write giving experience and salary required to Box 5027.

REGENT OIL COMPANY LIMITED require TWO ARCHITECTURAL ASSISTANTS aged 22-28 of about Intermediate R.I.B.A. standard for their Manchester Office, to be employed on Service Station Development. They must be capable of making site surveys and preparing working drawings from rough sketches with a minimum of supervision. These appointments are pensionable and a Luncheon Voucher Scheme is in operation. Please write with brief details of education, experience and salary required to Staff Relations Officer, Regent Oil Company Limited, Alport House, Quay Street, Manchester 3. 5065

THE Architect's Department of Taylor Woodrow Construction Ltd., require STAFF with initiative and contemporary outlook, all grades. Industrial and Commercial work. Salary commensurate with experience. Holiday commitments recognised. Pension scheme. Staff restaurant. Apply Personnel Manager, Ruislip Road, Southall, Middlesex. 4777

J. M. AUSTIN-SMITH & PARTNERS, 29, Sackville Street, London, W.1. have vacancies for qualified and unqualified ARCHITECTURAL ASSISTANTS with office experience. Opportunities for designing and taking responsibility in running and supervising contracts. Salary according to age and experience. Full range of £600-£900. Please apply in own handwriting. 4834

ARCHITECTURAL ASSISTANTS of Final and Intermediate standard required immediately in Leigh Office engaged on varied and interesting programme of Municipal Buildings, Schools, Churches, Housing, etc. Applications giving full particulars and salary required to J. C. Prestwich and Sons, M.A., F./A.R.I.B.A., Bradshawgate Chambers, Leigh, Lancs. 5058

THE Architect's Department of a Major Building Company based upon Liverpool requires TWO ARCHITECTURAL ASSISTANTS. The successful applicants will join the group responsible for the design and development of Multi-storey Offices and Flats, Housing, Shops and Industrial Buildings and should be school trained with up to two years' experience or be of Final R.I.B.A. standard. Applications with full particulars and salary desired to Box 4840.

INTERMEDIATE and JUNIOR ARCHITECTURAL ASSISTANTS required for busy private practice in wide variety of work. Salary according to experience and ability. Please write stating experience, age, etc. to George E. Clay & Partners, A.A.R.I.B.A., 198, Parrock Street, Gravesend. Tel. Gravesend 1401. 4841

CONTEMPORARY Sheffield Office requires ARCHITECTURAL ASSISTANTS with some office experience. Salary £750 to £1,000 according to experience. Full particulars to Hadfield Cawkwell & Davidson, 17 Broomgrove Road, Sheffield, 10. 4848

DAVID STERN & PARTNERS require immediately a capable SENIOR ASSISTANT and JUNIOR ASSISTANT of at least Intermediate standard. Lively office engaged on flats, offices and factory developments. Keen design sense and good draughtsmanship essential. Holiday arrangements respected. Five-day week. Salary according to ability, £800/£950 and £500/£700, respectively. Apply in writing to 24 Gloucester Place, London, W.1. 4852

ARCHITECTURAL ASSISTANT required for busy West End Office. Salary according to age and experience. Summer holiday will be granted. Apply in writing to Maurice Sanders, F.R.I.B.A., 24, Harley Street, W.1. 4855

MOIR & BATEMAN, F./A.R.I.B.A. require young ARCHITECTURAL ASSISTANTS in their Rochdale Office for interesting contemporary work on hospital, industrial and commercial projects. Apply in writing stating experience, age and salary required to Moir & Bateman, Prudential Buildings, Rochdale. 4945

ASSISTANTS of Intermediate and Final standard are required in the office of Architects practising in the West End, London. Excellent opportunities occur for those wishing to improve their positions. Applicants should be capable of preparing working drawings and details, largely on their own initiative. Five-day week, salary with bonus according to capabilities. Write Box 4947.

ARCHITECTURAL ASSISTANT required for a busy and progressive city office; Intermediate standard or over; five-day week and bonus scheme. Apply in writing to A. H. Brotherton & Partners, 39 Oxford Road, Manchester, 1. 4953

TWO ARCHITECTURAL ASSISTANTS required for industrial and commercial practice in Liverpool. One with considerable office experience and one Intermediate or similar standard. 4956

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| Association of Vermiculite Ex- foliators, The | 76 | 0144 |
| Autotype Co., Ltd., The..... | 93 | 0043 |

| | | |
|------------------------------------|--------|------|
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| Bayliss, Jones & Bayliss, Ltd..... | 6 | 0054 |
| Bilston Foundries, Ltd..... | 55 | 0067 |
| Birmingham & Blackburn Co., Ltd. | 80 | 0069 |
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| Boulton & Paul, Ltd..... | 51 | 0081 |
| Bow Slate & Enamel Co., Ltd., The | 20, 90 | 0083 |

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|--|----|------|
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| Brightside Heating & Engineering Co., Ltd., The | 3 | 0089 |
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| Canadian Government | 52 | 0191 |
| Celotex, Ltd. | 11 | 0135 |
| Coal Utilisation Council, The..... | 25 | 0147 |
| Coburn Engineers, Ltd..... | 44 | 0148 |
| Commerce Factors..... | 77 | 0327 |
| Costain, Richard, Ltd. | 56 | 0161 |
| Cox, Peter, & Partners, The | 90 | 0164 |
| Crane, Ltd..... | 28 | 0166 |
| Crendon Concrete, Ltd..... | 76 | 0329 |
| Croghan & Co., Ltd..... | 77 | 0171 |
| Crompton Parkinson, Ltd..... | 66 | 0172 |

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|---|----|------|
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| Davidsons Paper Sales, Ltd..... | 67 | 0178 |

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| Ellis School of Architecture, The... | 90 | 0202 |
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| Esso Home Heating Oils..... | 31 | 0208 |
| EUK Catering Equipment..... | 39 | 0460 |
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| Kingfisher, Ltd..... | 72 | 0344 |

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| Lead Development Association ... | 35 | 0709 |
| Luminated Ceilings, Ltd..... | 37 | 0369 |
| Lynch & Baker..... | 90 | 0371 |

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0630
0633
0637
0643
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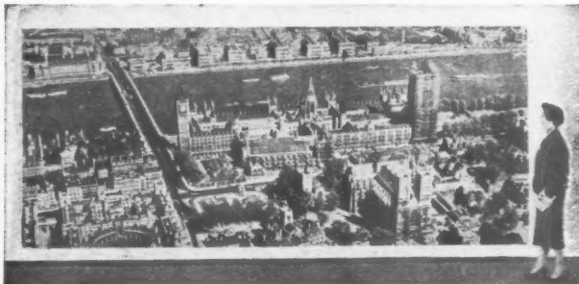
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'TECO' Double-Bevelled Wedge Fit SPLIT RINGS



(Pat. No. 593945)
Manufactured to
B.S.S. 1579:
1953, Table 1.

The improved Split-ring with double bevelled inside and outside faces, makes it easy to insert in pre-cut wedge shaped grooves without damage to timber and avoids the use of a ring spreader or excessive hammering. Available in 2½in. and 4in. internal diam. Special grooving tools also available. Suitable for all types of timber in light, medium and heavy structures.

'TECO' Heavy-Duty SHEAR PLATES



Manufactured to
B.S.S. 1579:
1953, Table 2.

Inserted in pre-cut daps made by special dapping tools which are available for the purpose. 'TECO' 2½in. diam. SHEAR PLATES provide heavy shear load capacity for use in large structures for connections between timber and steel, timber and concrete, or used back to back in demountable structures.

'BULLDOG' Round Toothed- Plate CONNECTORS

Available in five diameters—self-embedding—for light and medium structures. Made in two types—double-sided for timber-to-timber connections, single-sided as a shear plate for connections between timber and steel, or used back to back in demountable structures.



Manufactured to
B.S.S. 1579:
1953, Table 3.

'TRIP-L-GRIP' FRAMING ANCHORS

For stronger nailed joints in timber framing. Eliminate toe-nailing and notching. Simplify fabrication. Easy to place. Fixed by nailing only. For many applications in timber framing such as joist trimming and hanging, studding, fixing purlins and joists to trusses and laminated beams ceiling grounds, etc. For use with 2in. by 2in. and larger timbers.

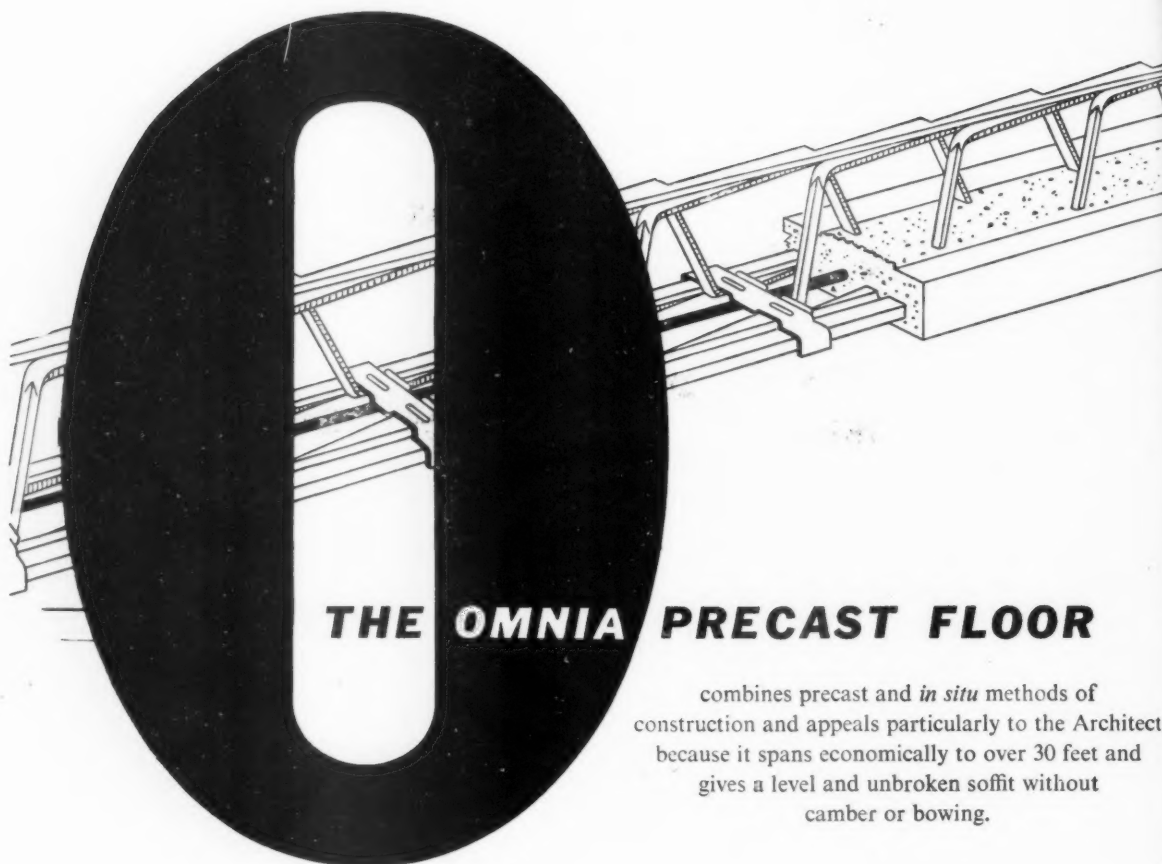


(Pat. No. 682101)

The above products are backed by over twenty years' specialist experience. Full technical data is contained in our "DESIGN MANUAL FOR TIMBER CONNECTOR CONSTRUCTION", obtainable FREE on application. TYPICAL ROOF TRUSS DESIGN SHEETS and expert consultant service

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