

Edited by D. A. C. A. BOYNE, executive editor of *The Architects' Journal*

ARCHITECTS' WORKING DETAILS

volume 2

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INTRODUCTION

THE IMMEDIATE SUCCESS of *Architects' Working Details*, Volume I, and the welcome it has received, has encouraged editor and publisher to follow up swiftly with the preparation and publication of this present volume, number two in the series.

As was stated in the Introduction to Volume I, there is more unnecessary duplication of effort in architecture than in any other profession. Many architects, confronted with some problem of detailing, are aware that others before them have been faced with exactly the same problem; yet they have little means of discovering how those predecessors dealt with it and what solution was finally reached. It is a situation which does not arise in other professions such as medicine, or law, which possess a tradition built up on the mutual exchange of information and experience between members of the same confraternity. This new series of *Architects' Working Details* is being compiled, therefore, to supply what the architectural profession at present lacks—a means whereby information on contemporary problems of detailing and design can be exchanged. The success of Volume I has shown very clearly that the need for such a series exists.

In precise terms, the purpose of these volumes is twofold; first, to provide architects and students with easily accessible solutions to innumerable everyday design problems; and second, to record the latest stages that the study of those problems has reached, and so provide the architect with a time-saving starting point from which he can develop his own improvements and adaptations.

Once again, the examples in this second volume have been selected from the series of 'Working Details' now regularly appearing in *The Architects' Journal*. They are, in all cases, the recent work of well-known architects and show the actual details used by them in solving a wide variety of design problems. They fall under the same headings as those included in Volume I, and a new heading, *Lighting*, has been added. Similarly, in future volumes, further examples will appear under each of the present headings, and, from time to time, additional subjects will be introduced; so that the architect will be provided with an accumulating and up-to-date reference library of useful details. And since, for such a library, the index performs an important role, each volume published will contain a full index of references covering all preceding volumes. Thus the index at the end of this one gives references to all the details which have appeared in both Volumes I and 2.

Thanks are due to those architects (listed on the contents pages) who have provided the necessary information and given permission for their designs to be illustrated; also to the various draughtsmen responsible, and especially to E. G. Johnson and H. N. Hoskins, who were in charge of *The Architects' Journal* drawing office during the relevant period

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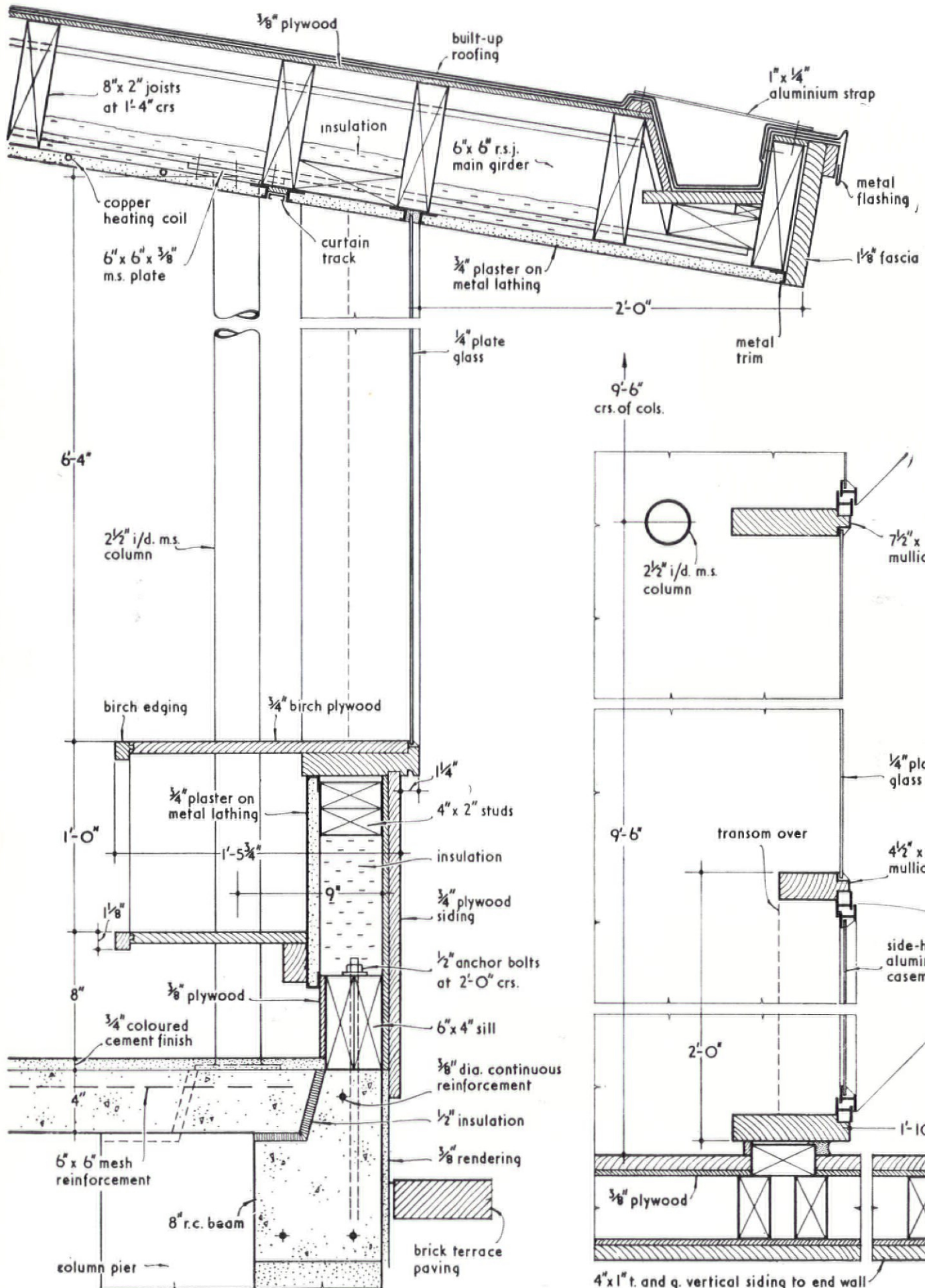
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WINDOW: HOUSE AT PLEASANTVILLE, NEW YORK
DESIGNED BY GIBBONS AND HEIDTMANN

The roof above the windows is supported by steel columns which are free-standing except where they pierce the bookshelf below sill level.





SECTION THRO' WINDOW WALL AND ROOF

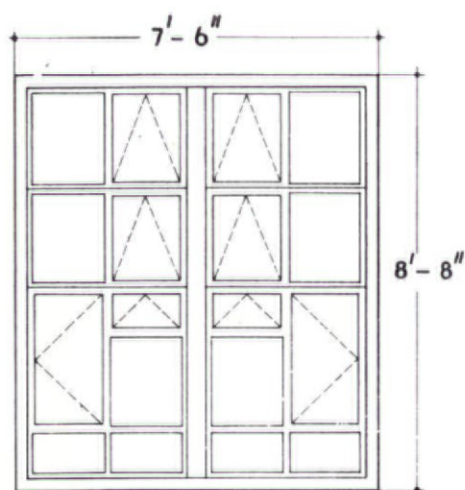
PLAN THRO' WINDOW. scale: 1/2" = 1'-0"

WINDOWS

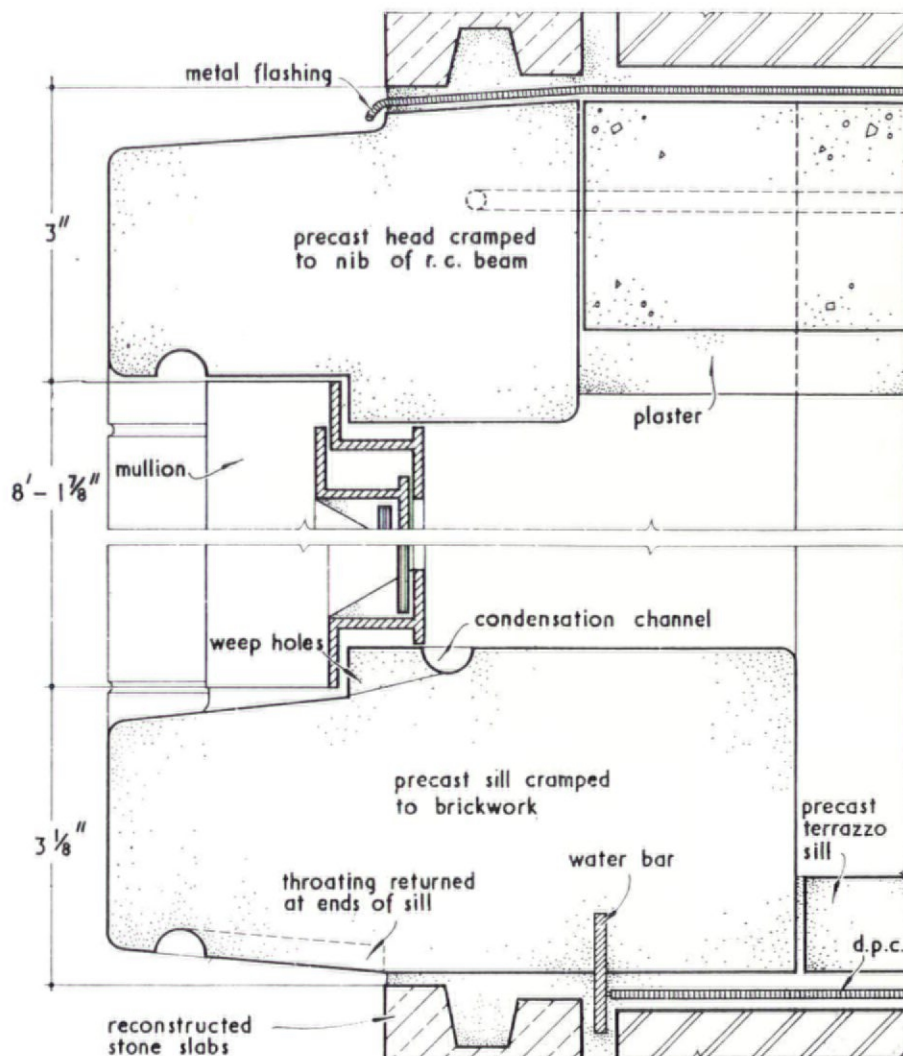
WINDOW: HOSPITAL IN LONDON, N.W.2
DESIGNED BY H. H. CLARK

The central mullion of the metal window is made up from two standard transom sections filled with concrete on expanded metal.

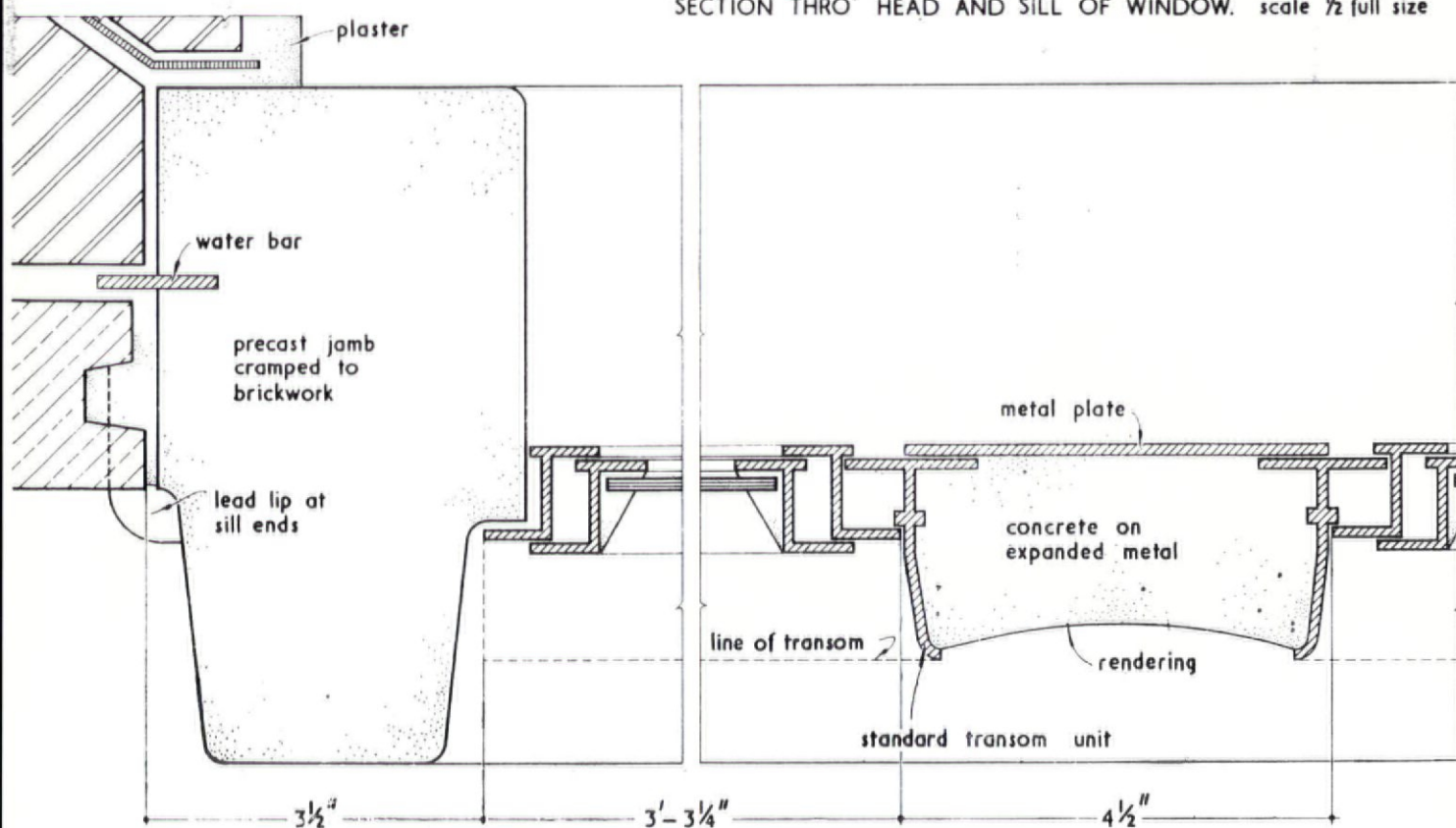




ELEVATION OF WINDOW.
scale $\frac{1}{4}" = 1'-0"$



SECTION THRO' HEAD AND SILL OF WINDOW. scale $\frac{1}{2}$ full size

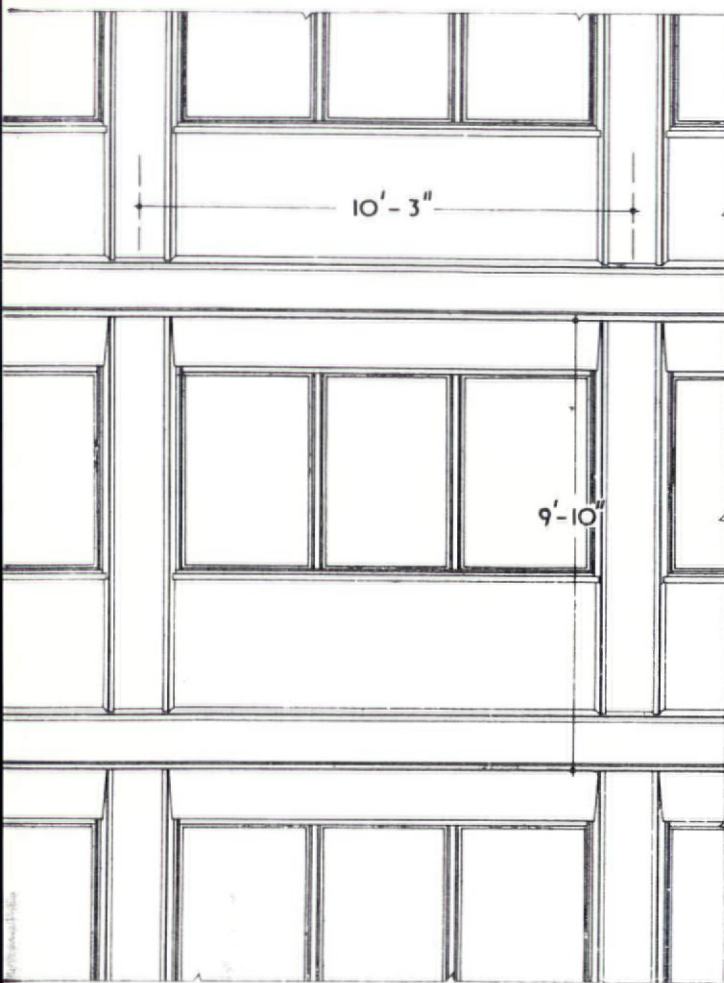


PLAN OF JAMB AND MULLION. scale $\frac{1}{2}$ full size

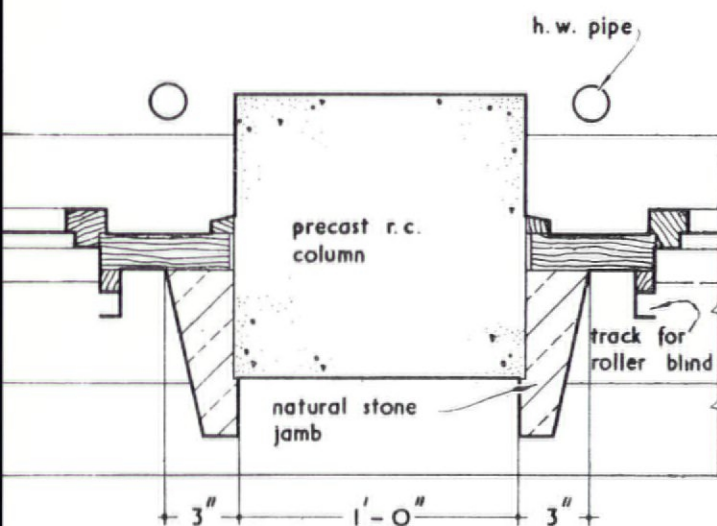
WINDOWS: FLATS IN GENEVA DESIGNED BY MARC J. SAUGEY

The infill panels under the windows are prefabricated from hollow terra cotta blocks faced with polished artificial stone.

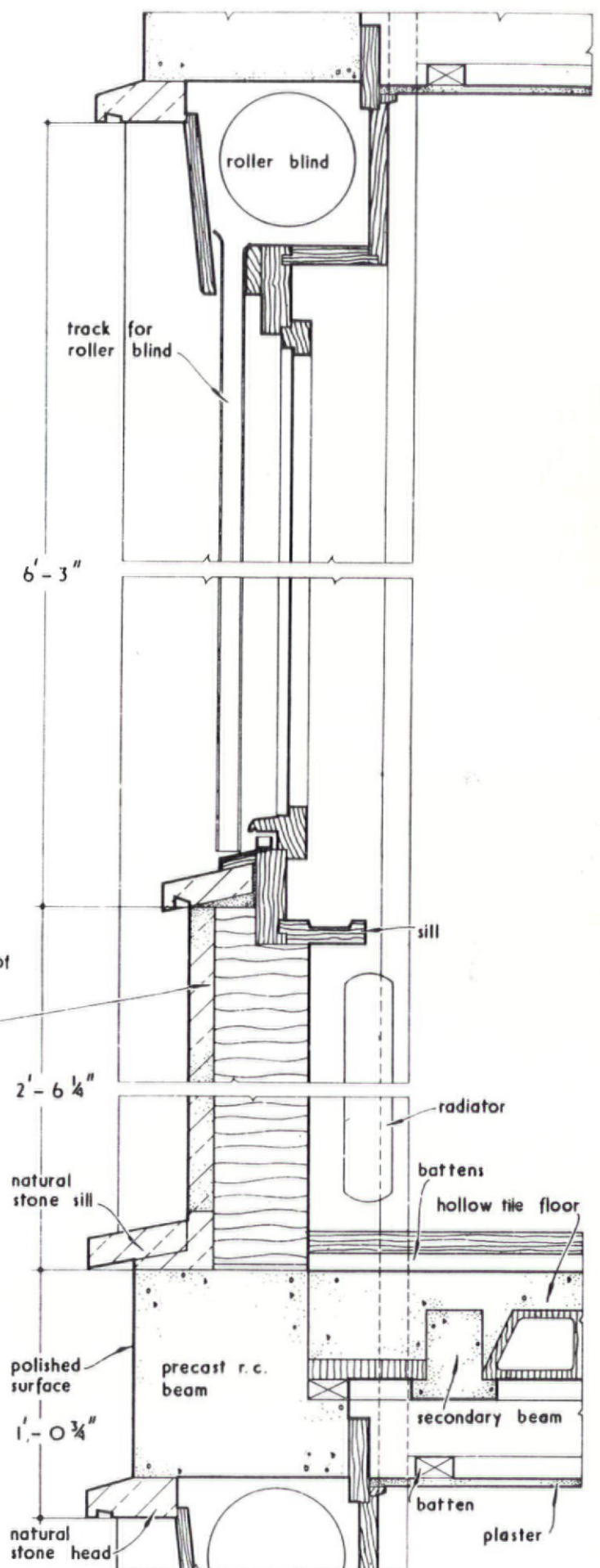




PART ELEVATION. scale $\frac{1}{4}" = 1' - 0"$



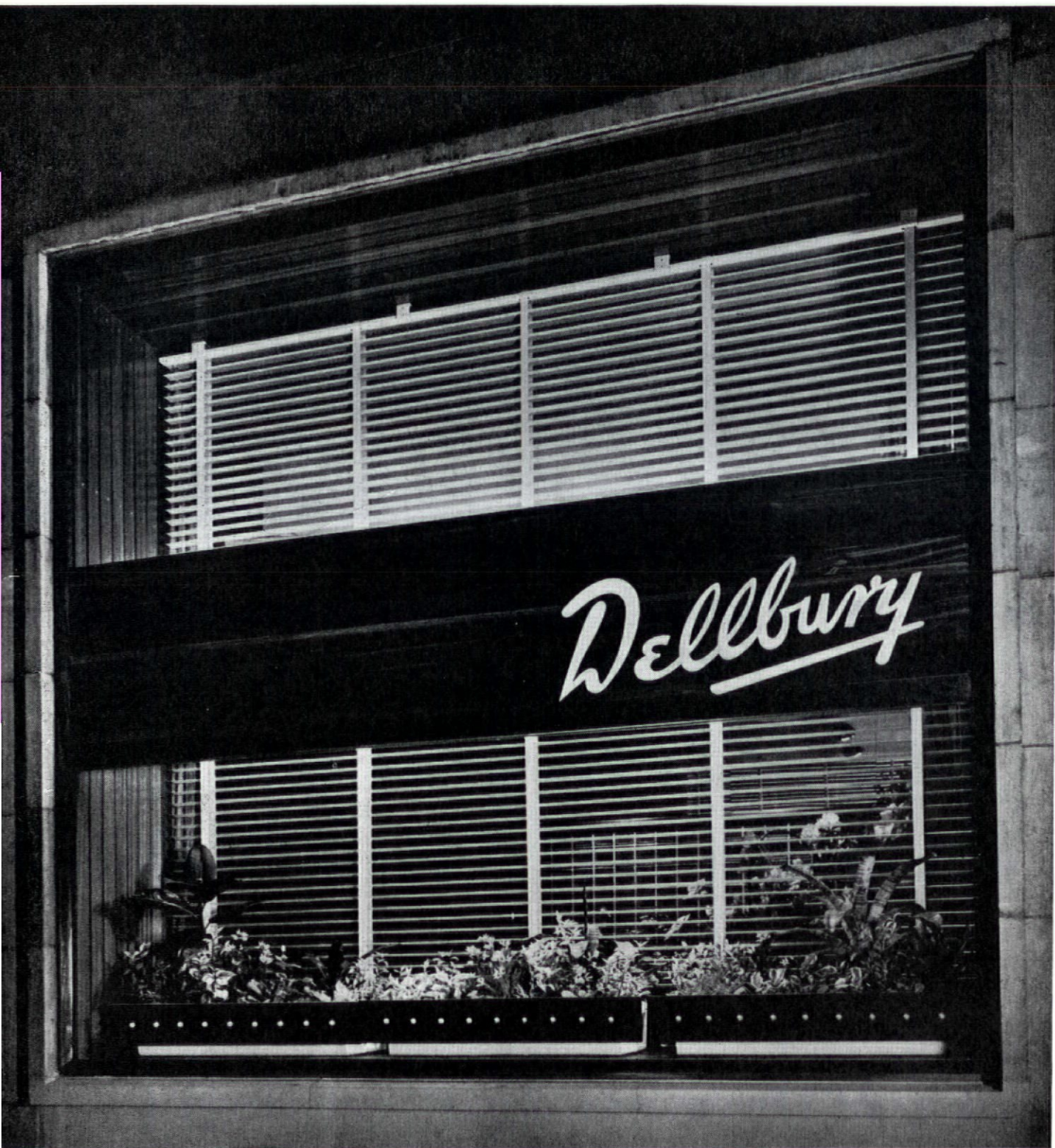
PART PLAN OF WINDOW. scale $\frac{1}{2}" = 1' - 0"$

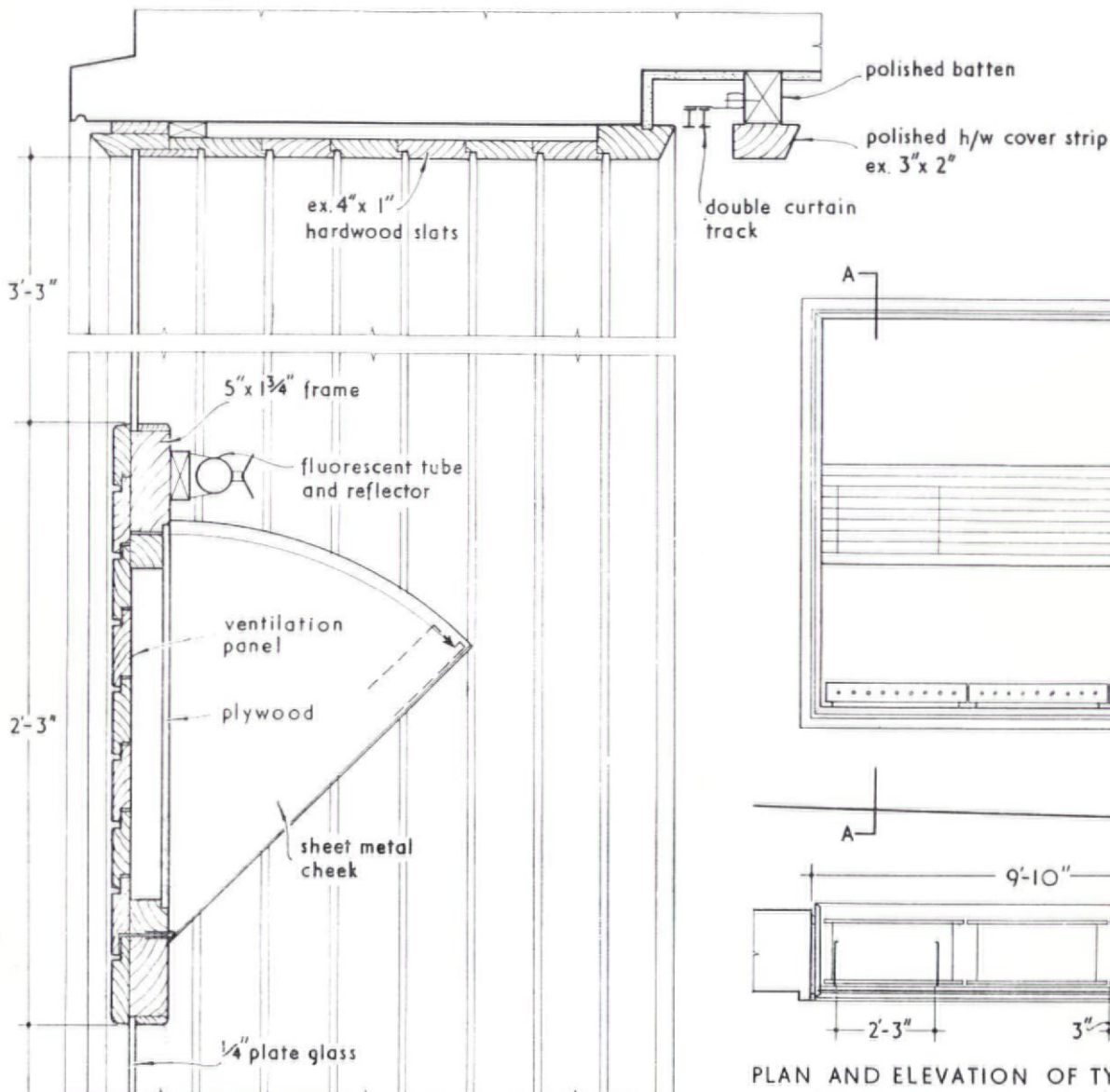


VERTICAL SECTION THRO' WINDOW. scale $\frac{1}{2}" = 1' - 0"$

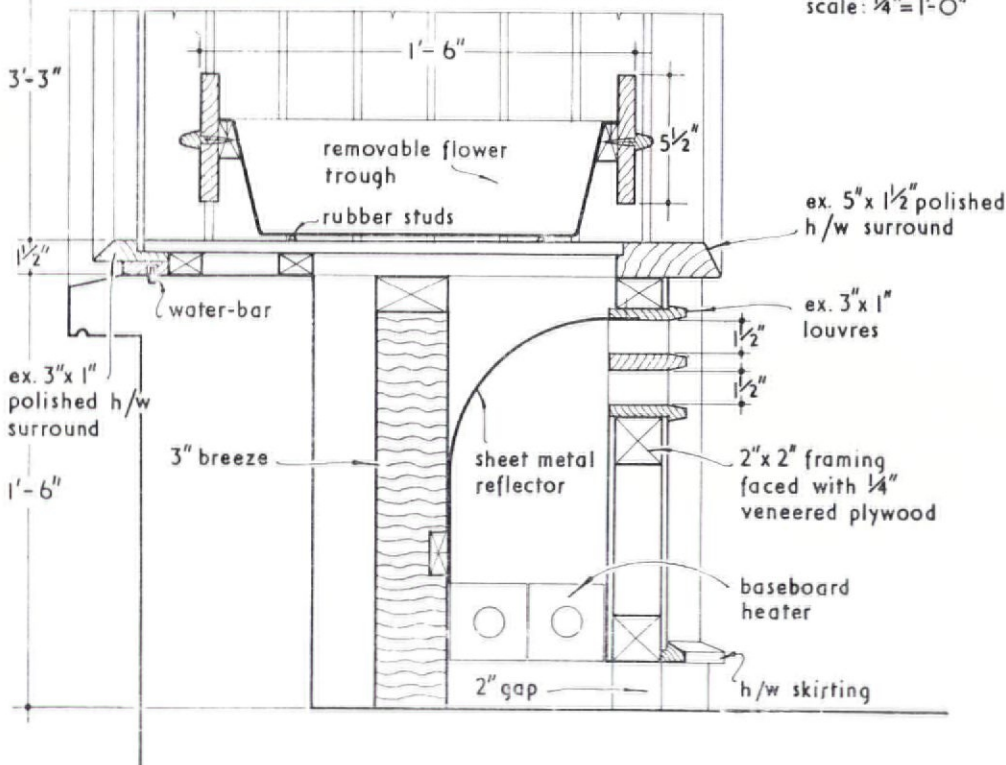
SHOP FRONT: GOWN SHOWROOM IN LONDON, W.1
DESIGNED BY BRONEK KATZ AND R. VAUGHAN

The soffits and reveals of the window opening are lined with hardwood slats and the glass area is divided horizontally by a panel of similar slats concealing strip lighting.

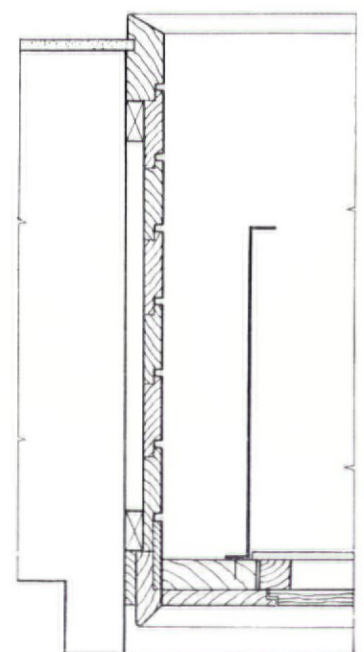




PLAN AND ELEVATION OF TYPICAL WINDOW.
scale: 1/4" = 1'-0"



SECTION THRO' SHOPFRONT AT A-A. scale 1/2" = 1'-0"

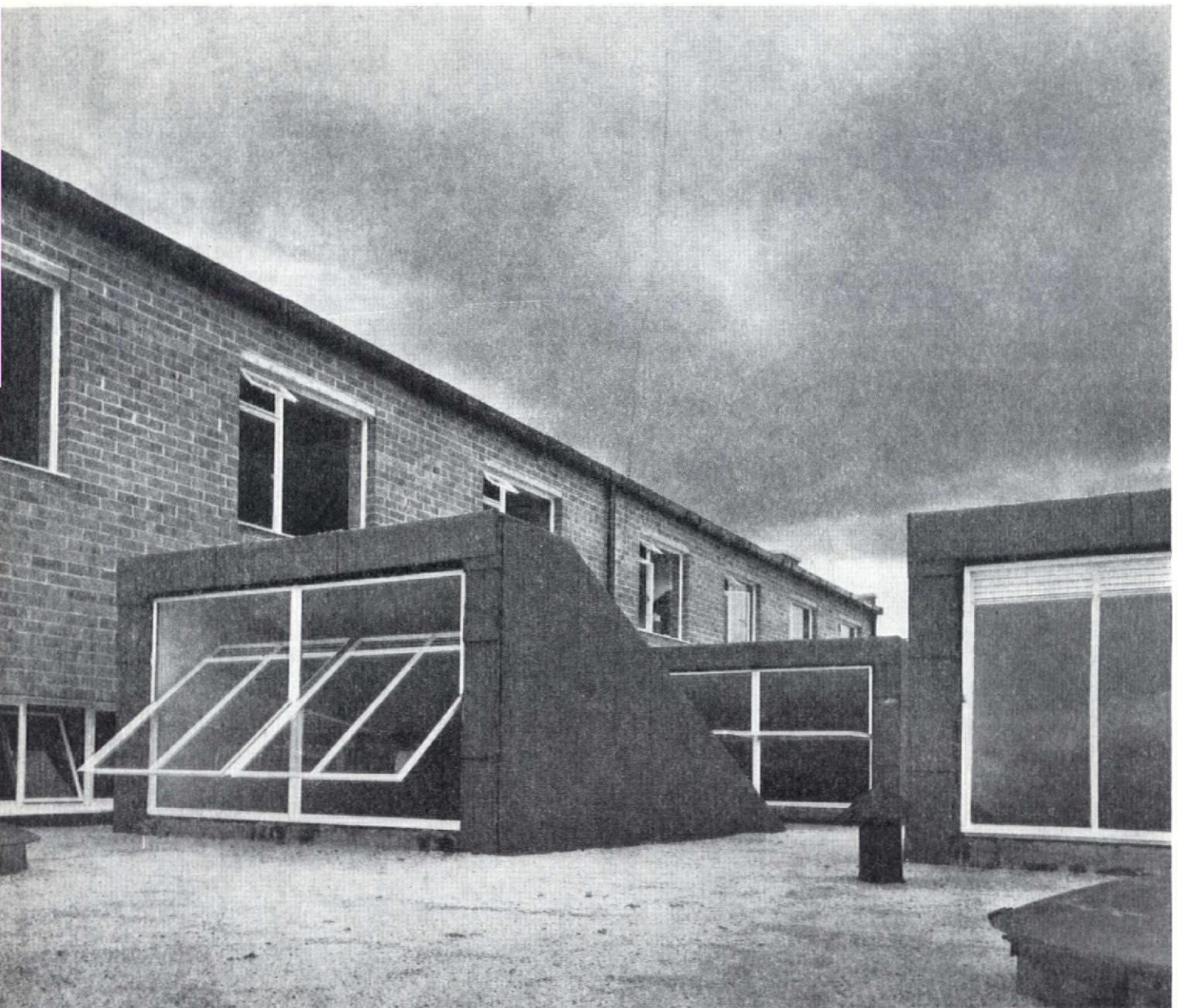


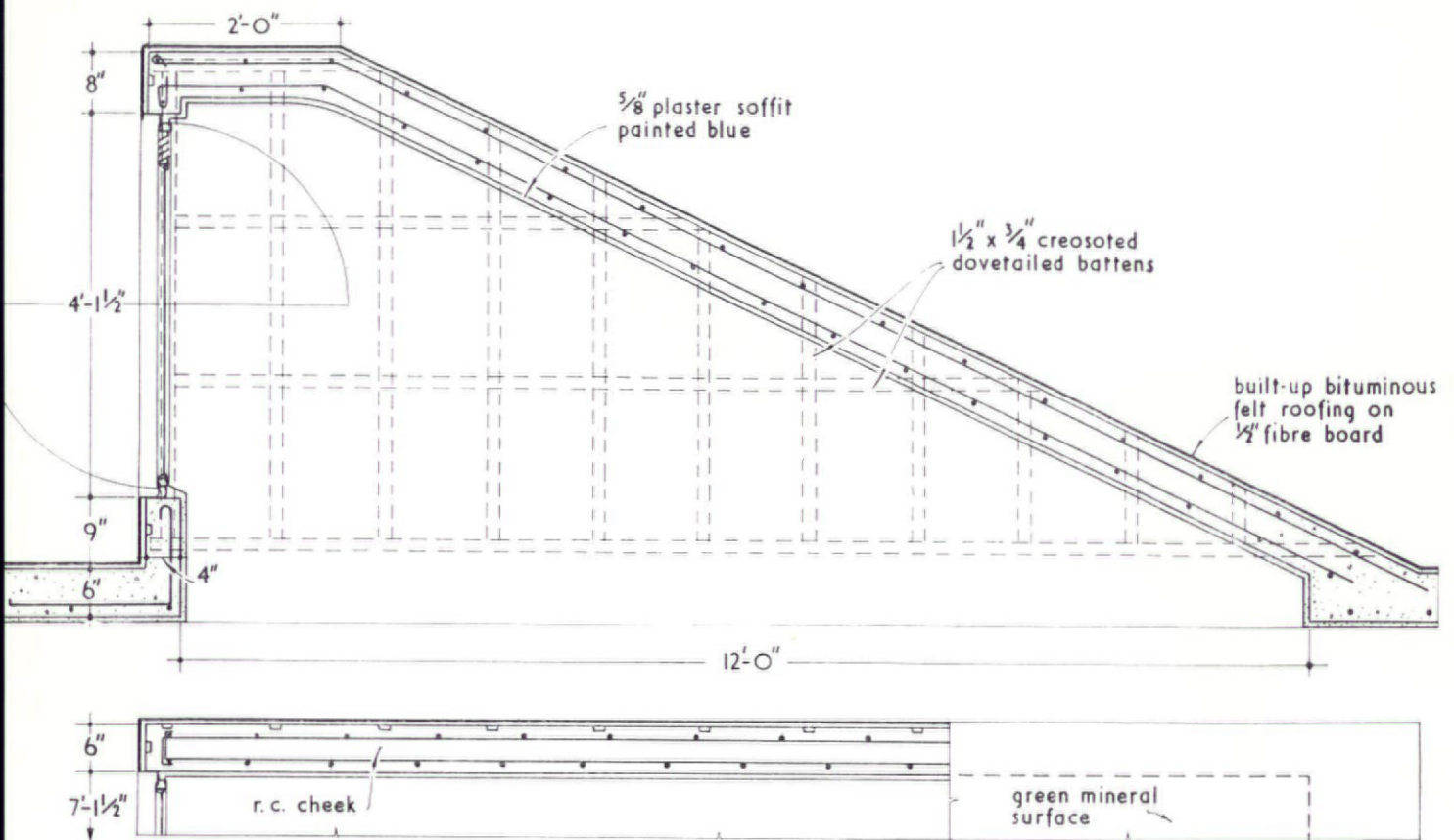
PLAN OF JAMB.
scale 1/2" = 1'-0"

ROOFLIGHT: WHOLESALE GROCERY DEPOT AT DORCHESTER

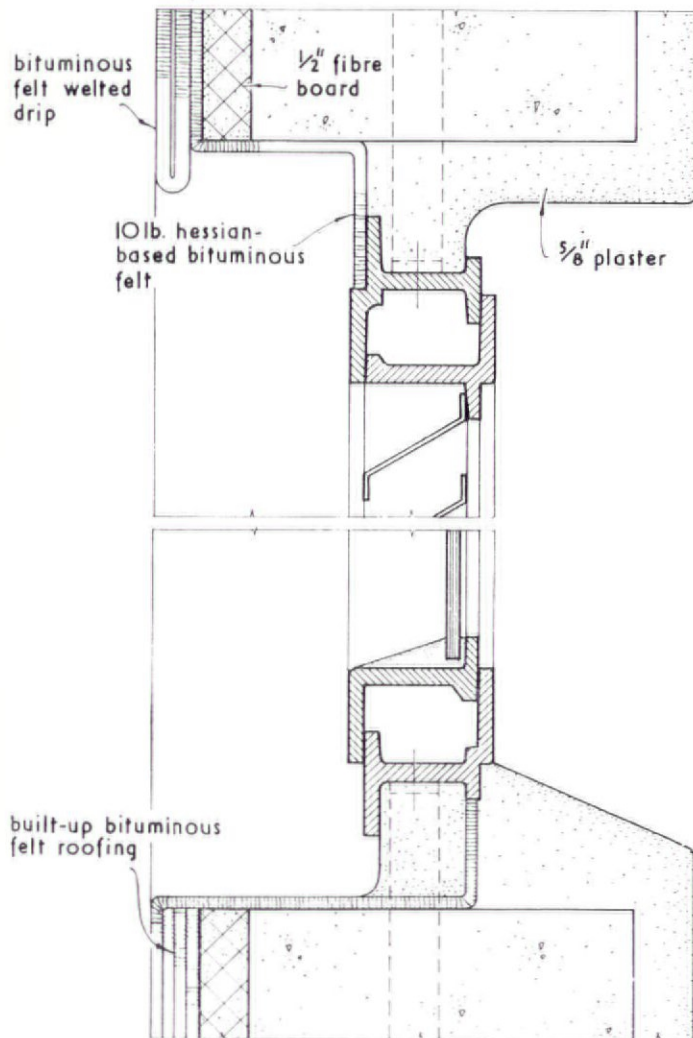
DESIGNED BY CECIL H. ELSOM AND R. NICHOLLS (architect and chief assistant);
S. H. AND D. E. WHITE (consulting engineers)

*The top and cheeks of the north light structure are
cast in one with the roof slab.*

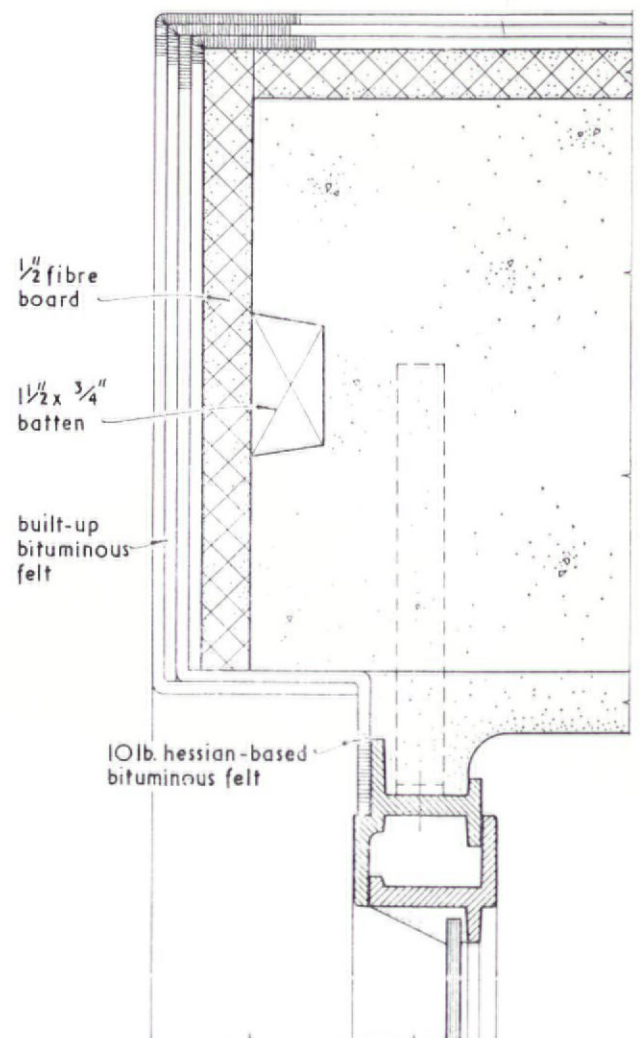




LONGITUDINAL SECTION AND PART PLAN THRO' CHEEK. scale $\frac{1}{2}'' = 1'-0''$



DETAIL OF HEAD AND CURB. scale $\frac{1}{2}$ full size



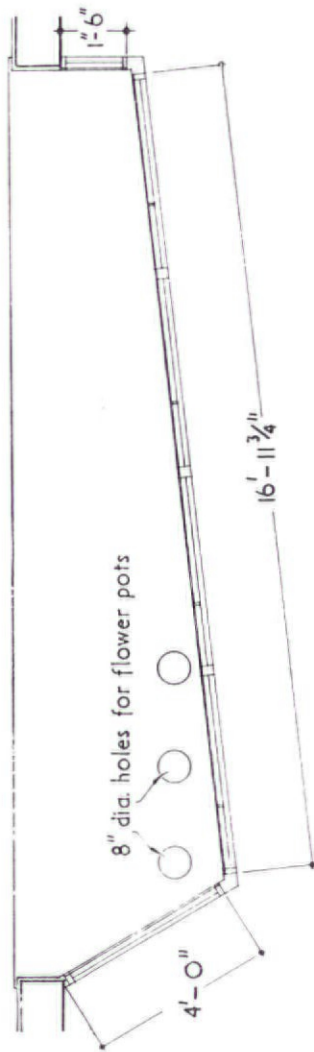
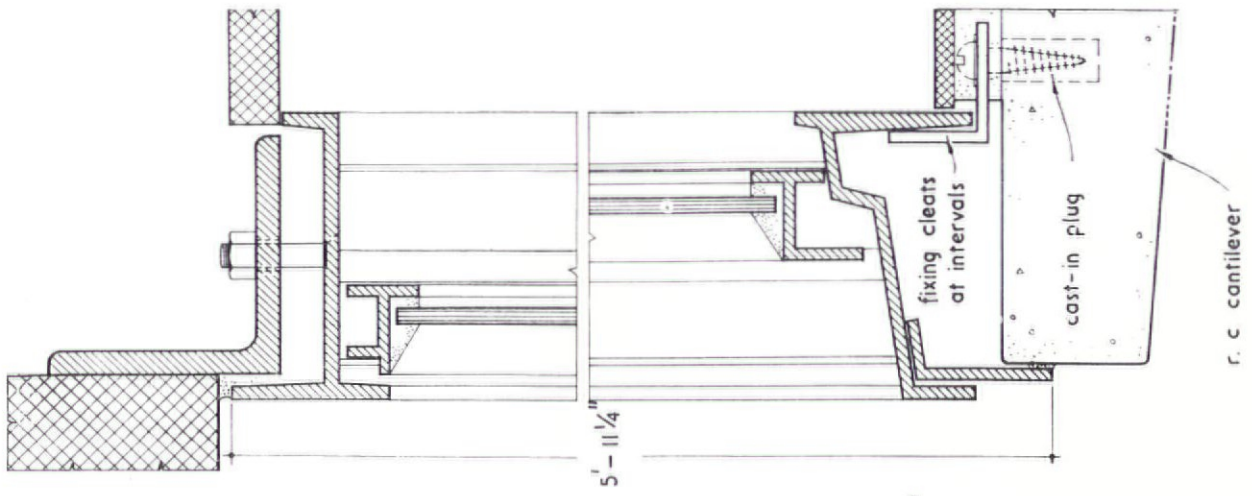
DETAIL OF CHEEK. scale $\frac{1}{2}$ full size

BAY WINDOW: SCHOOL AT CHISWICK

DESIGNED BY C. G. STILLMAN (architect to the Middlesex County Council);
C. E. HARTLAND, L. T. CHANNING (assistant architects)

The reinforced concrete cantilever carrying the window forms a wide sill with holes to take flower pots.

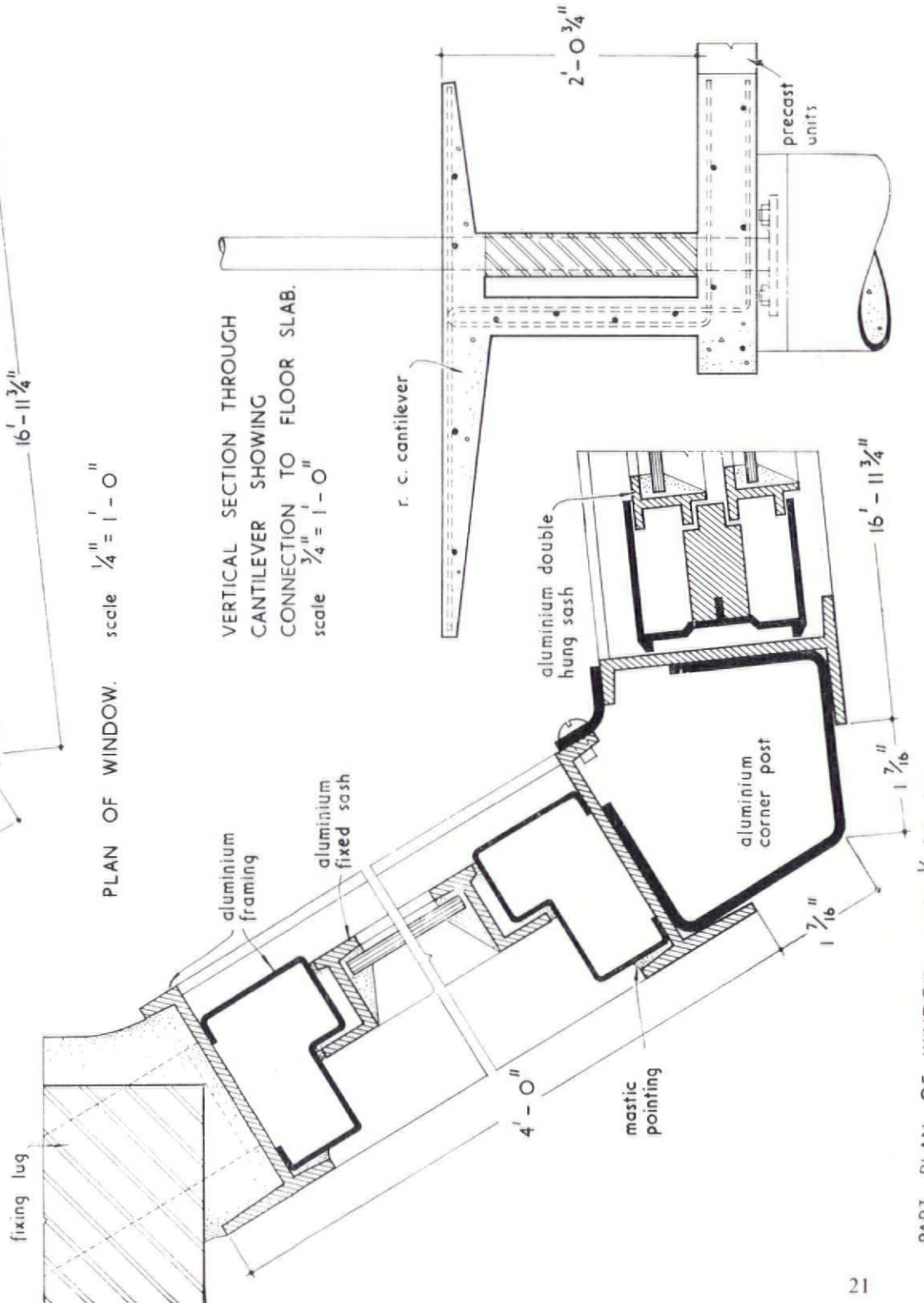




PLAN OF WINDOW. scale $\frac{1}{4}" = 1' - 0"$

VERTICAL SECTION THROUGH CANTILEVER SHOWING CONNECTION TO FLOOR SLAB.

scale $\frac{3}{4}" = 1' - 0"$



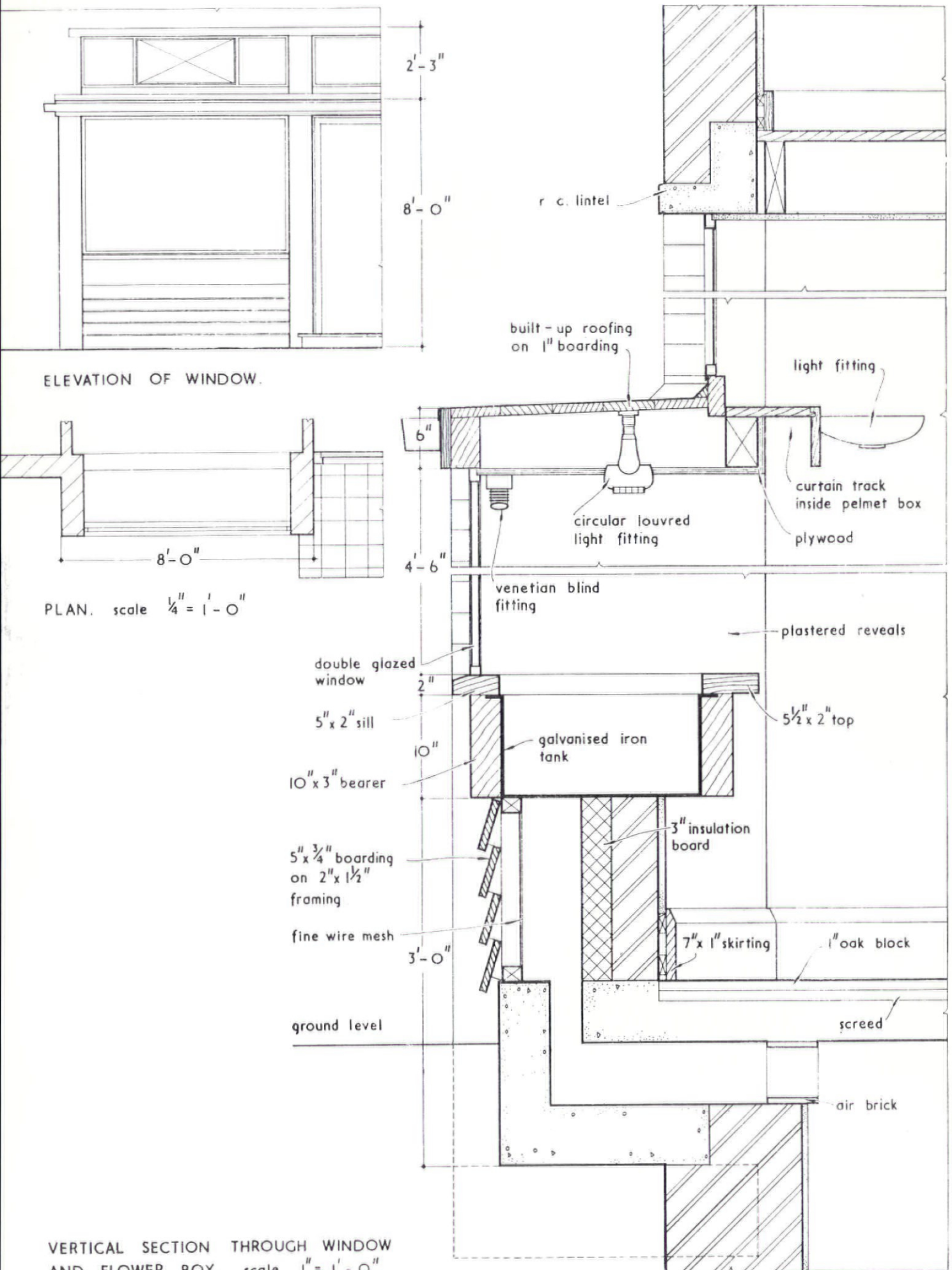
PART PLAN OF WINDOW. scale $\frac{1}{2}" = 1' - 0"$

WINDOWS

WINDOW IN DINING RECESS: HOUSE AT COVENTRY DESIGNED BY ROLF HELLBERG

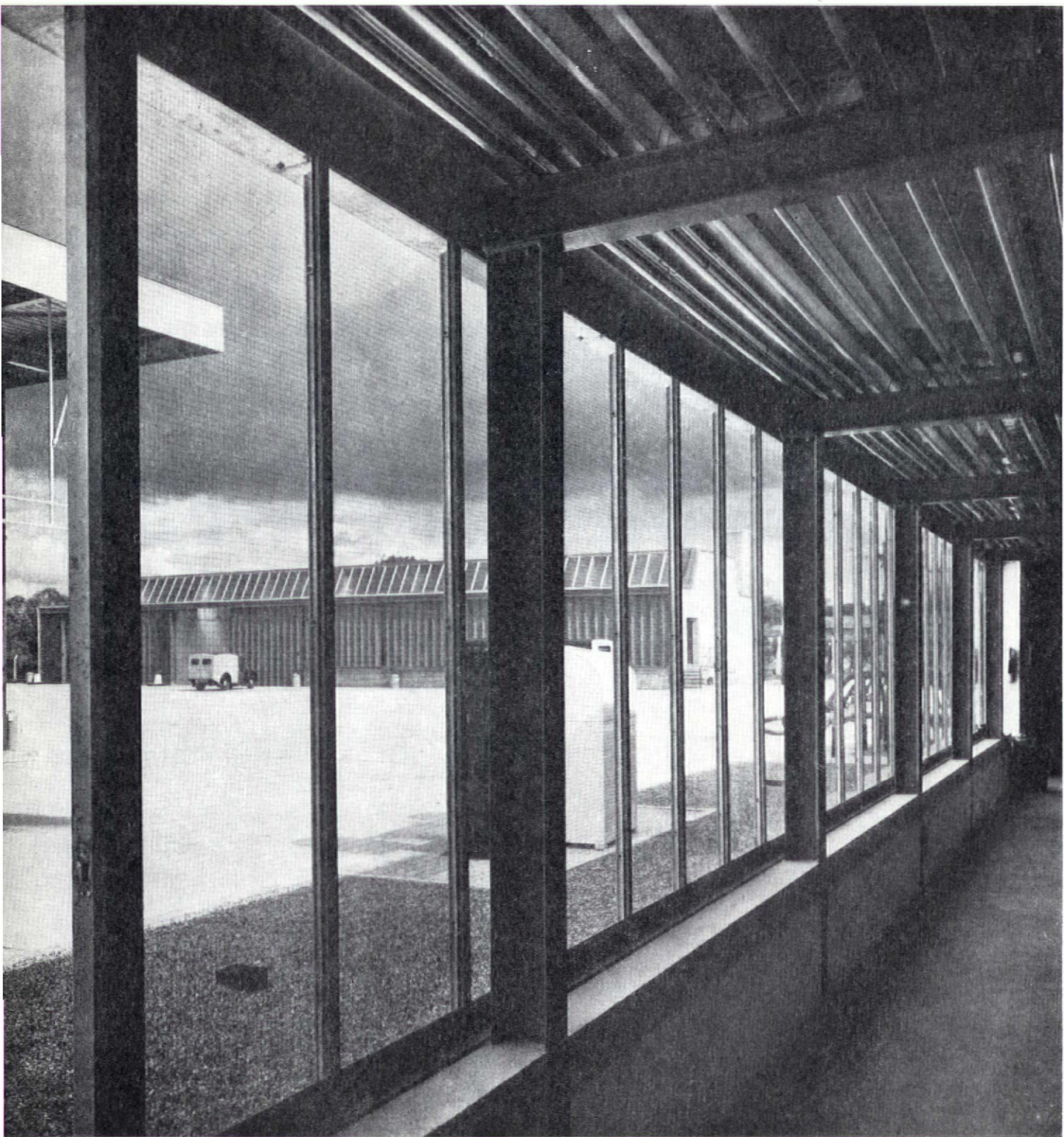
The window is double-glazed. A ventilating duct to the basement is contained in the wall beneath the flower box.



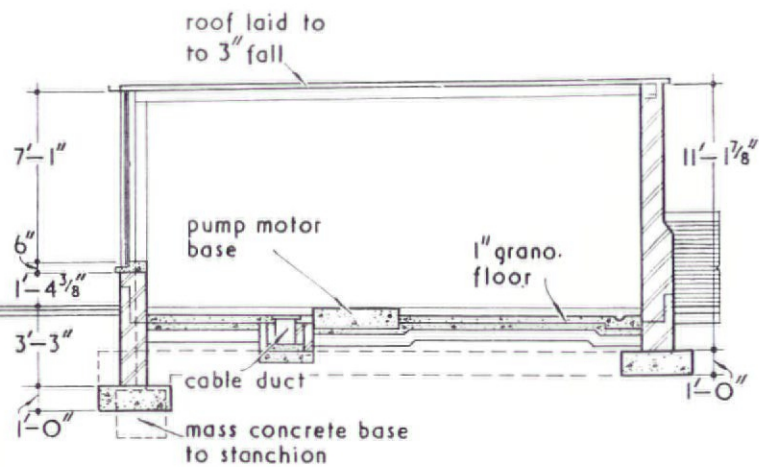


WINDOW: SERVICE STATION AT PICKERING, YORKSHIRE DESIGNED BY BOISSEVAIN AND OSMOND

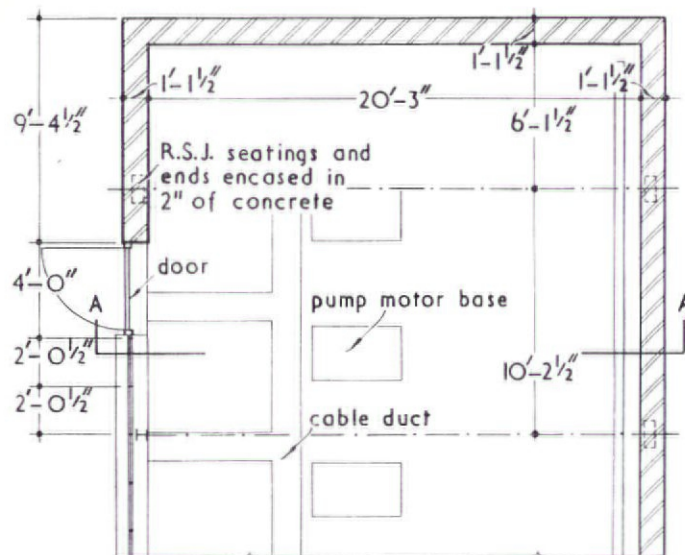
Electrical conduits are secured to the corrugations of the standard aluminium decking. The decking is shielded from direct contact with the steel by bituminous felt, the cleats which secure it to the top flange of the beam being sherardized.



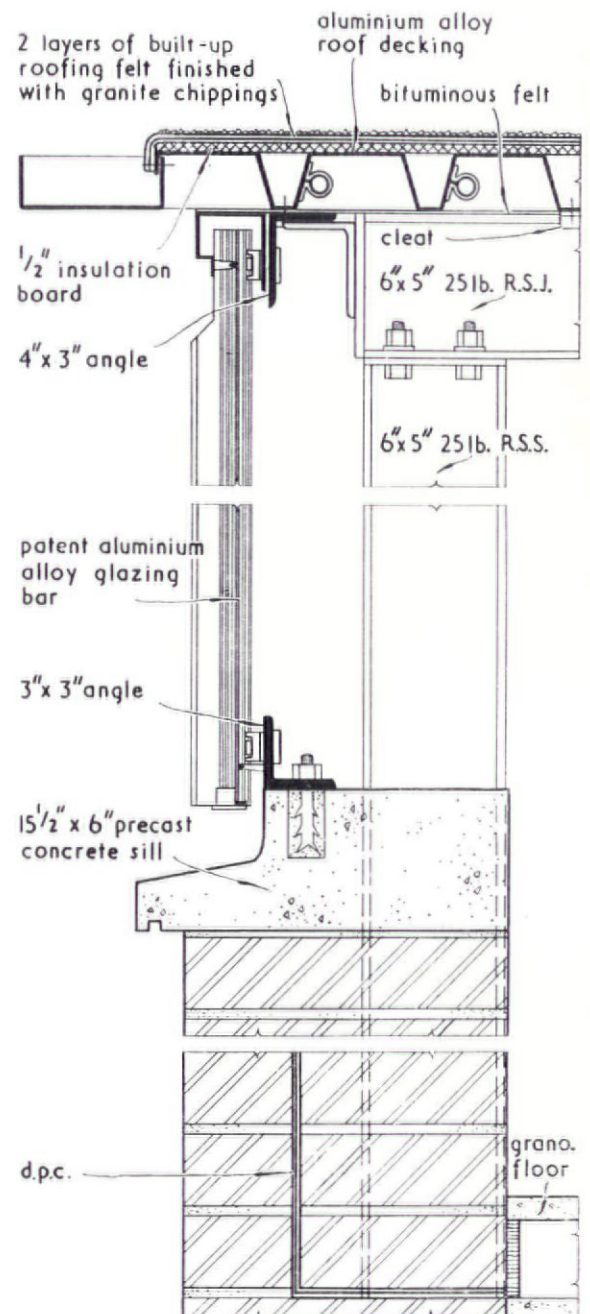
WINDOWS



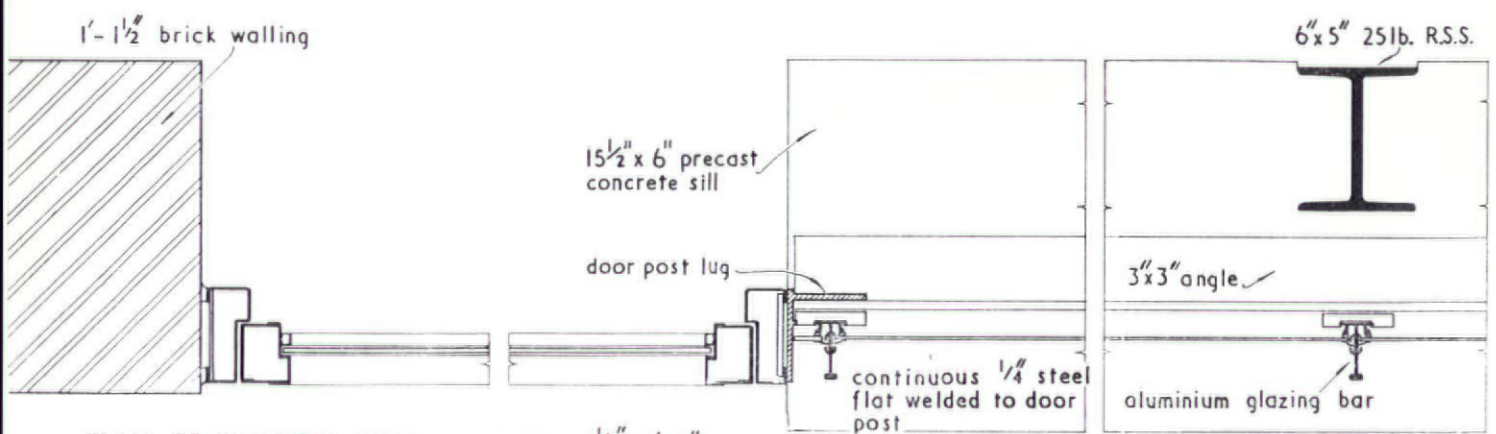
SECTION A-A. scale $\frac{1}{8}'' = 1'-0''$



KEY PLAN. scale $\frac{1}{8}'' = 1'-0''$



SECTION THROUGH WINDOW WALL. scale $1\frac{1}{2}'' = 1'-0''$



PLAN OF WINDOW WALL. scale $1\frac{1}{2}'' = 1'-0''$

GLAZED SLIDING DOOR: HOUSE AT SANTA MONICA, CALIFORNIA
DESIGNED BY RICHARD J. NEUTRA

The wide sliding door is a single sheet of plate glass, framed in aluminium, and occupies the centre part of the window wall to the terrace.



2" x 10" joists at 1'-4" crs.

angle bracket

door frame reinforced at corners with steel channels

bronze weatherstrip

aluminium section

1/4" plate glass

aluminium door section

metal threshold

carpet

terrace line

steel guide

expansion bolt

aluminium bar

VERTICAL SECTION THRO' SLIDING DOOR

scale 1/4 full size

6'-11 3/4"

removable fascia

ball spacer

centre track

channel track

pendant bolt
bracket

laminated
intel

aluminium section

1/4" plywood

hardwood mould

3/8" plywood

mastic

aluminium flashing

VERTICAL SECTION THRO' WINDOW

scale 1/4 full size

6" x 6" post

aluminium sections

steel guide

aluminium sheathing

stainless steel weatherstrip

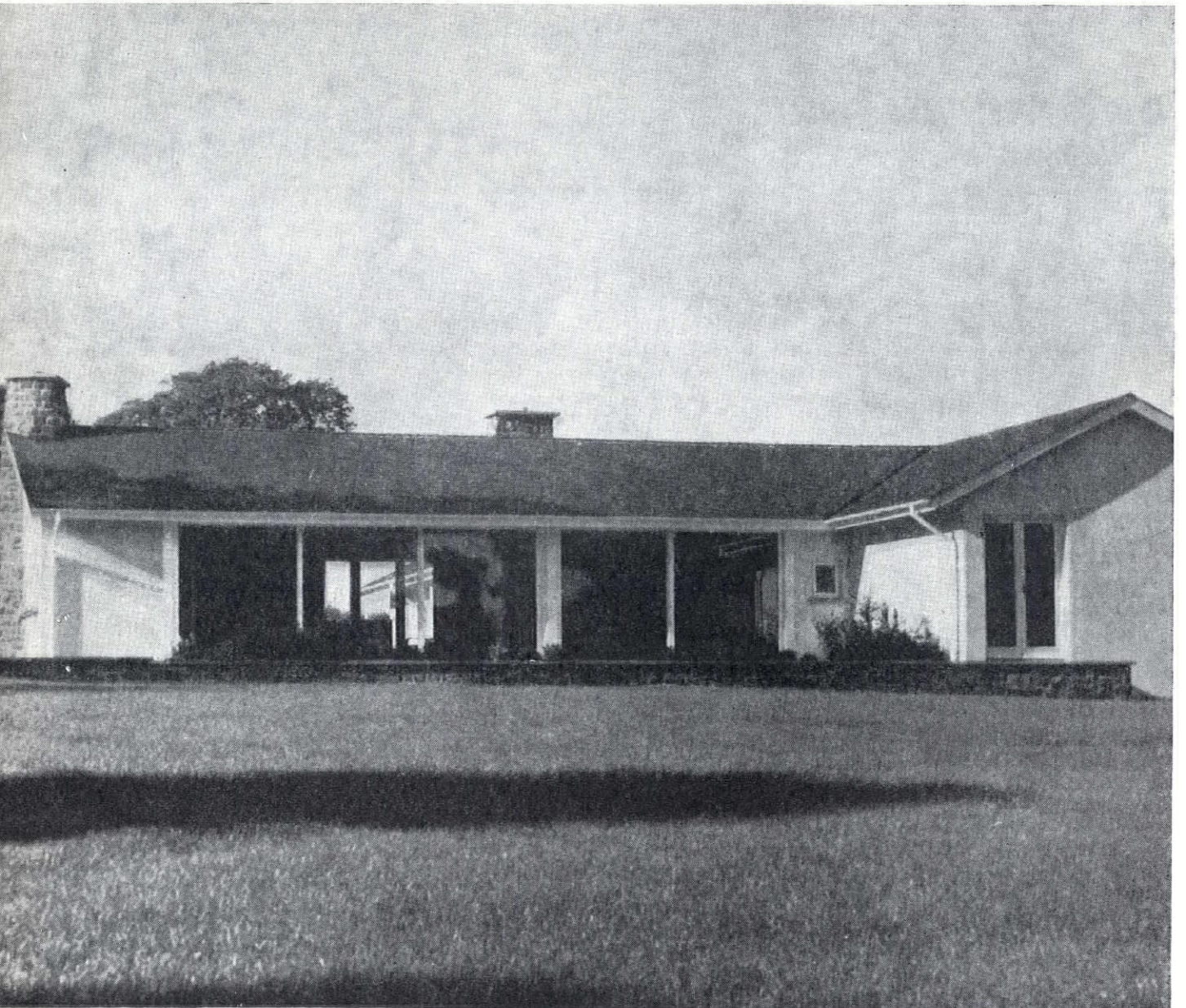
11'-3 1/4"

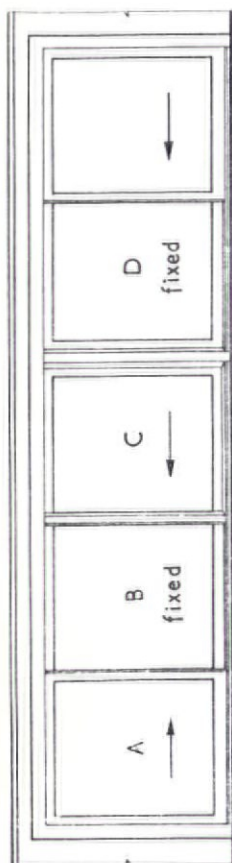
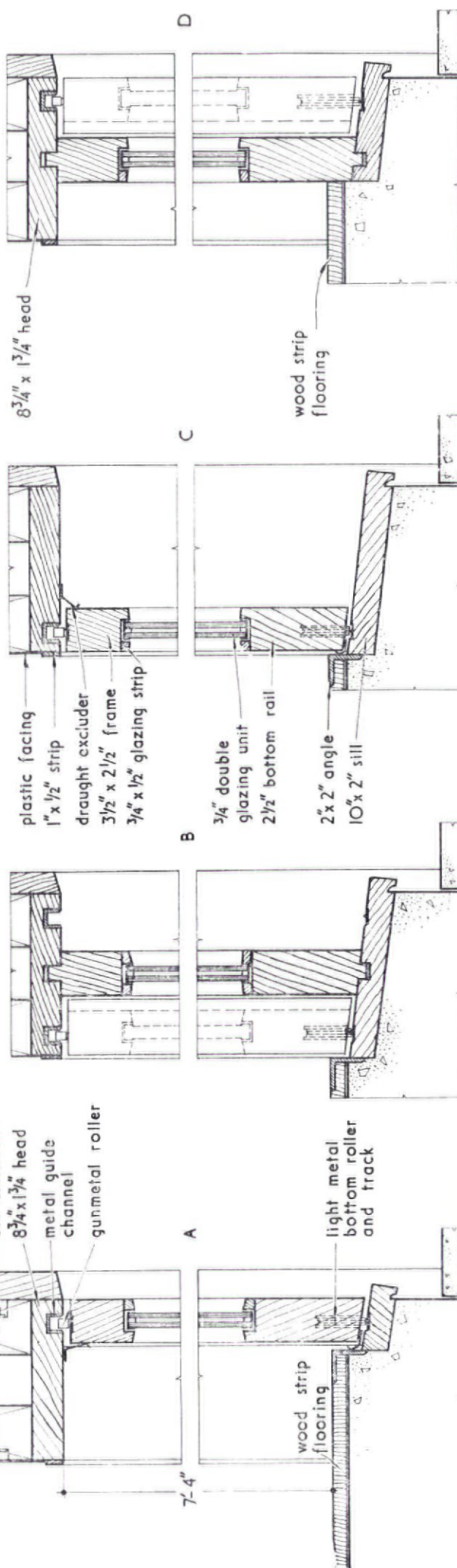
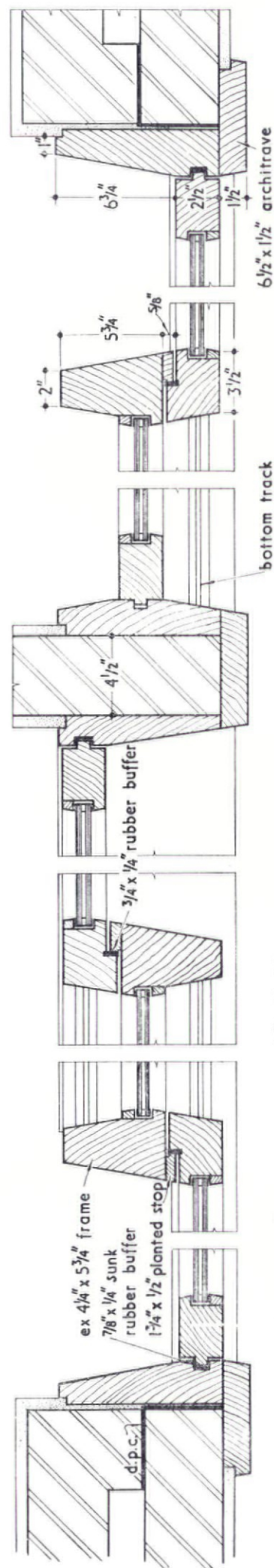
PLAN OF DOOR JAMBS

scale 1/4 full size

GLAZED SLIDING DOORS: HOUSE IN GORTNAMONEY, N. IRELAND
DESIGNED BY E. WAITE BEAUMONT AND T. ANTHONY HOUSTON

The doors have double-glazed panels and metal draught strips above and below. There are rubber buffers at all points where sliding members come into contact with fixed ones.

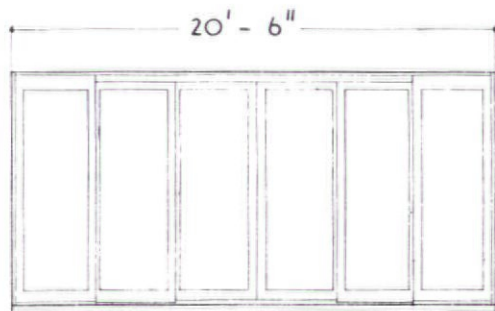


ELEVATION. scale $1/8" = 1'-0"$ SECTIONS THROUGH A, B, C, D scale $1/2" = 1'-0"$ PLAN THROUGH DOORS. scale $1/2" = 1'-0"$

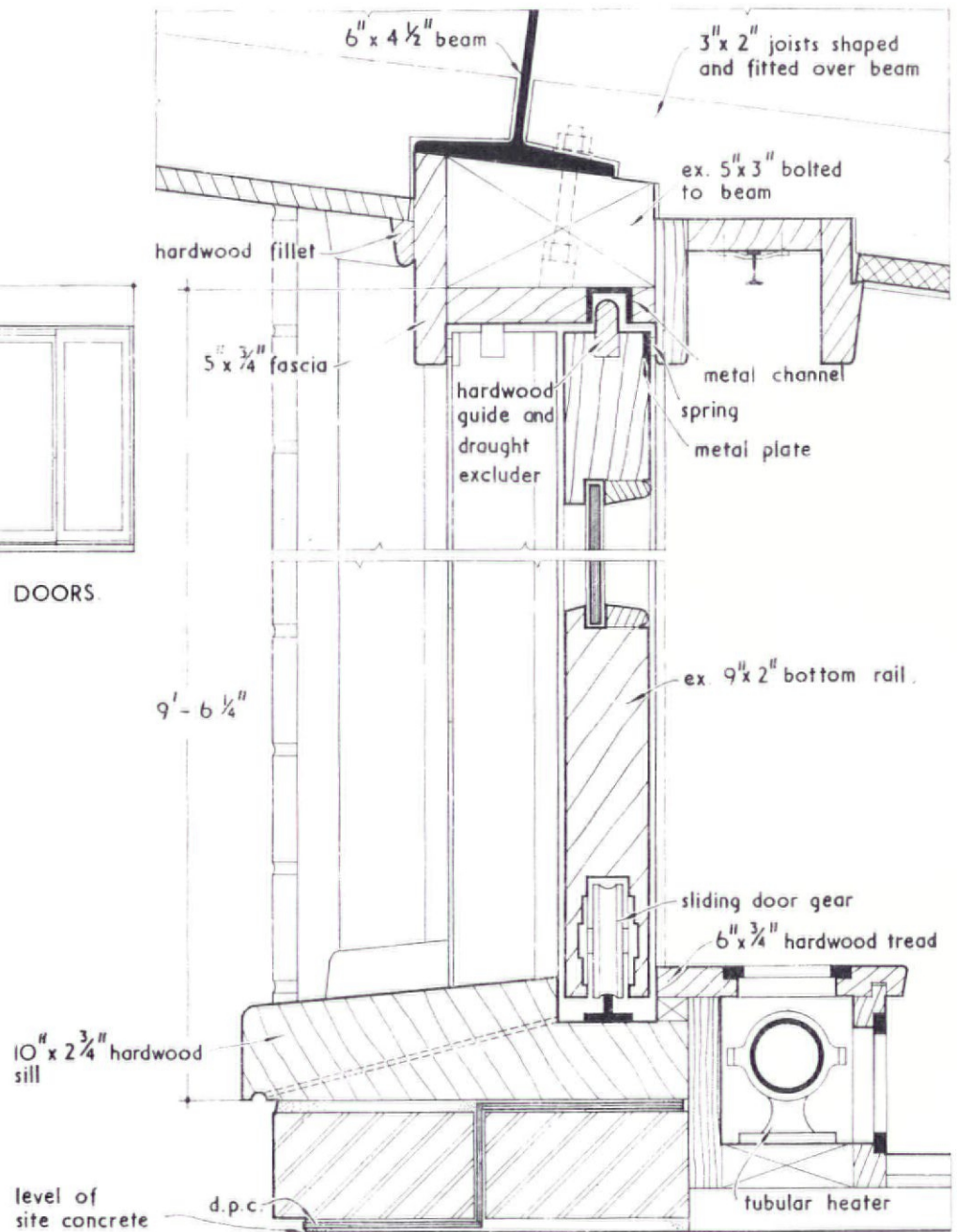
GLAZED SLIDING DOORS: HOUSE AT WELWYN GARDEN CITY
DESIGNED BY RICHARD J. NICHOL

The sliding doors run on a steel tee sill track and provide a clear opening to the living room more than 13 ft. wide.

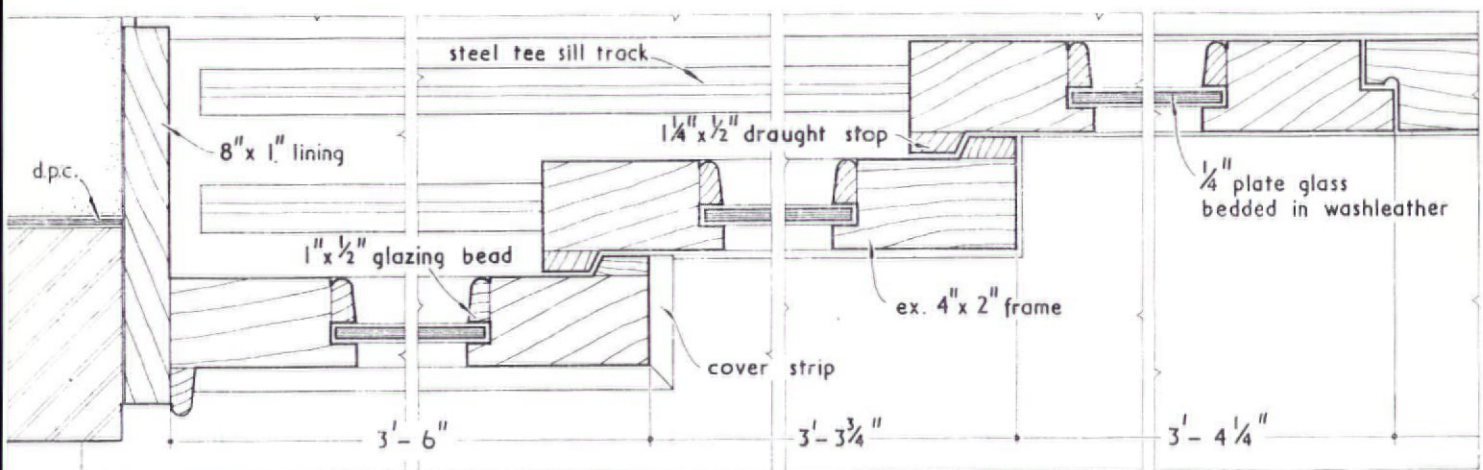




EXTERNAL ELEVATION OF DOORS.
scale $\frac{1}{8}'' = 1' - 0''$



VERTICAL SECTION THROUGH SLIDING DOORS. scale $\frac{1}{4}$ full size

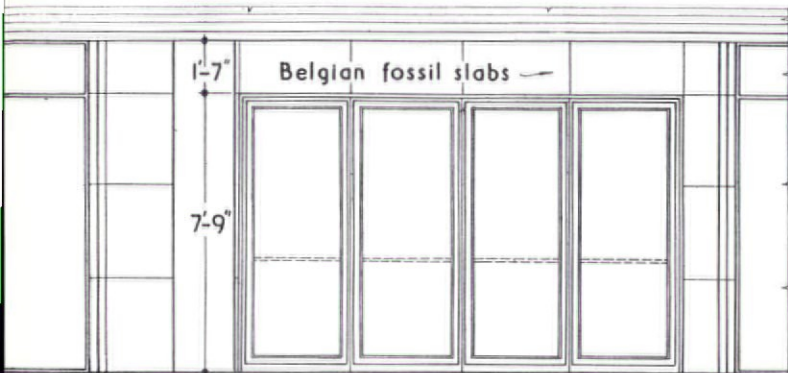


PART PLAN OF SLIDING DOORS. scale $\frac{1}{4}$ full size

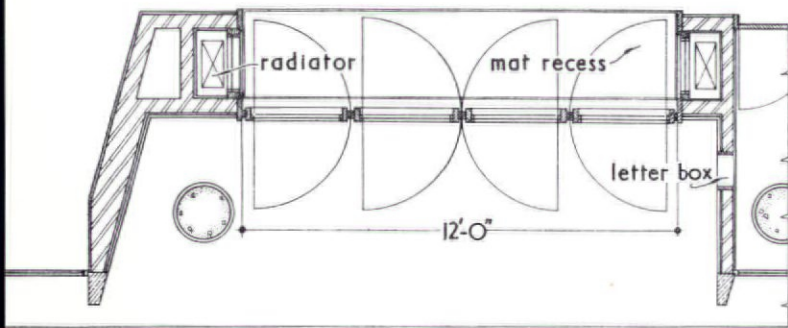
GLAZED ENTRANCE DOORS: STUDENTS' HOSTEL IN LONDON. W.1
DESIGNED BY RALPH TUBBS

The panic bolts are unobtrusively placed beside the deep stiles and pass through the top and bottom rails of the doors.

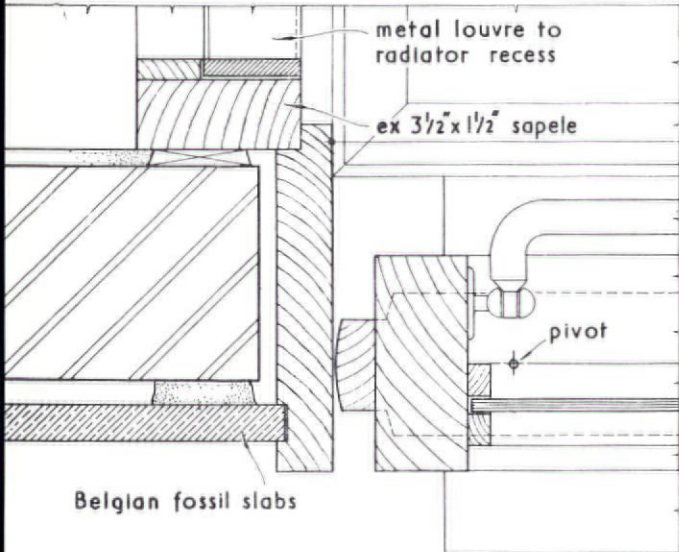
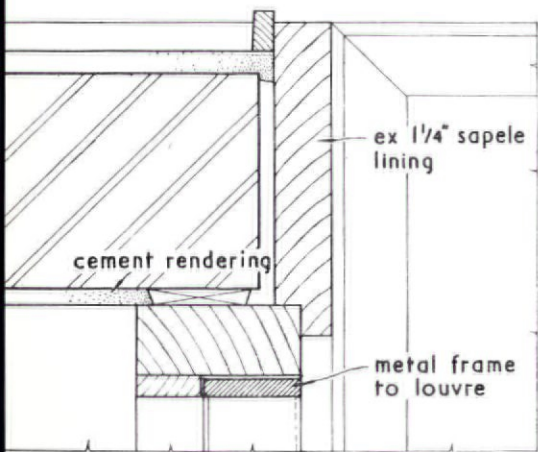




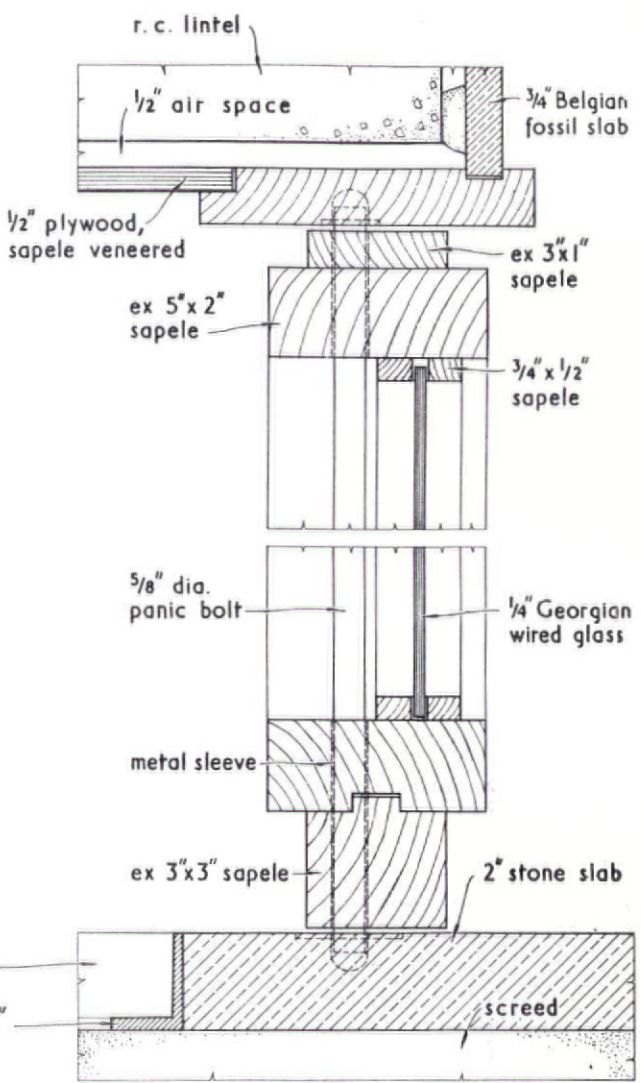
ELEVATION OF ENTRANCE.



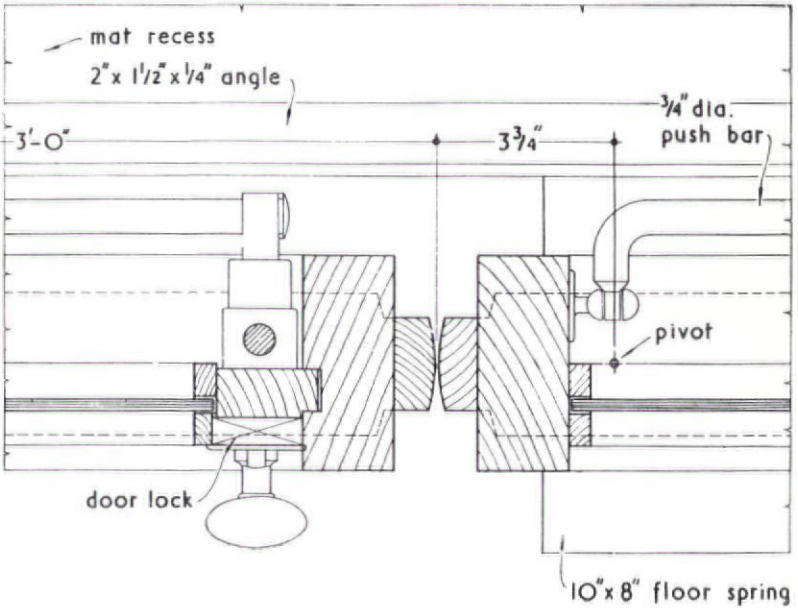
PLAN scale $\frac{3}{16}'' = 1'-0''$



PLAN OF DOOR. scale $\frac{1}{4}$ full size



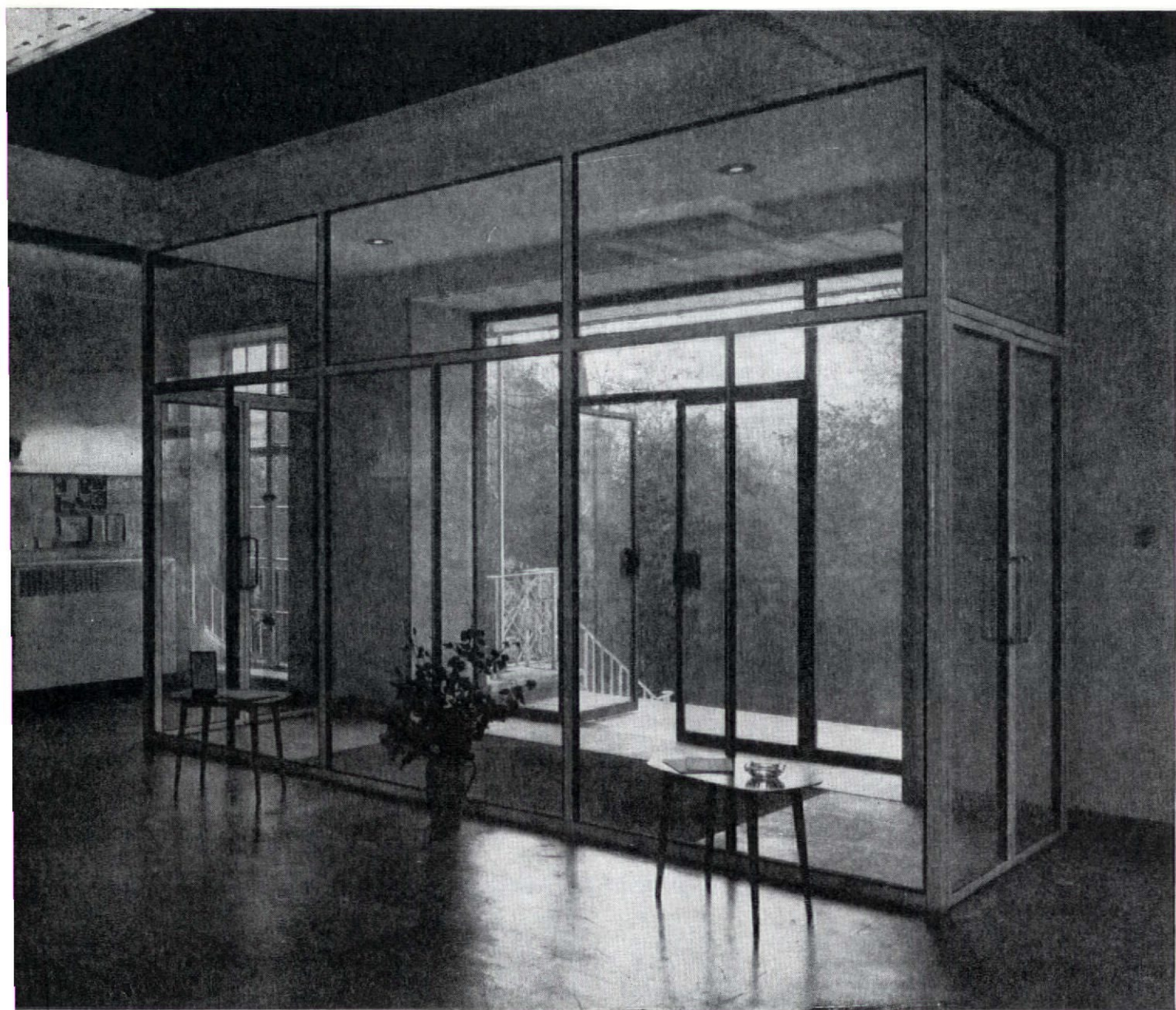
SECTION THROUGH DOOR scale $\frac{1}{4}$ full size



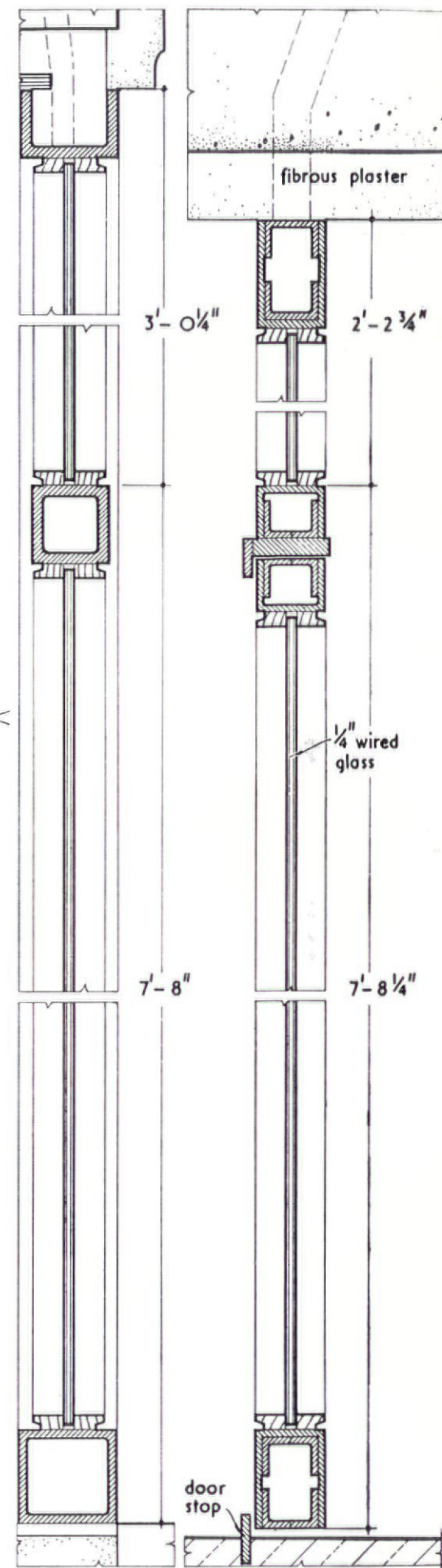
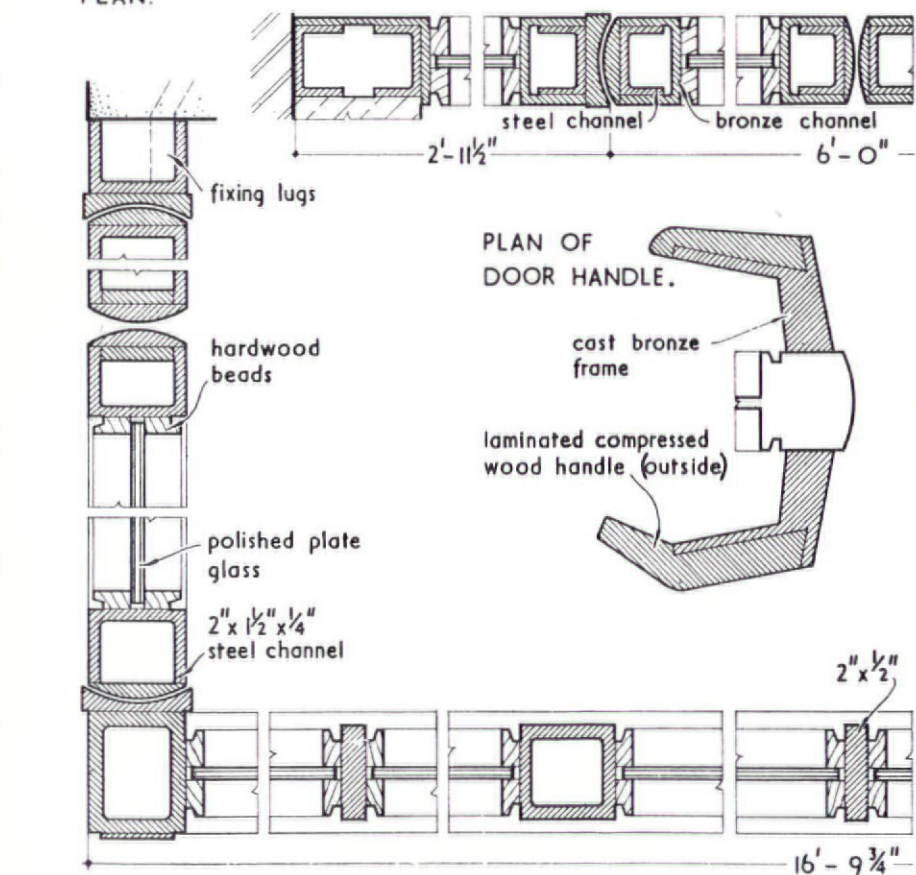
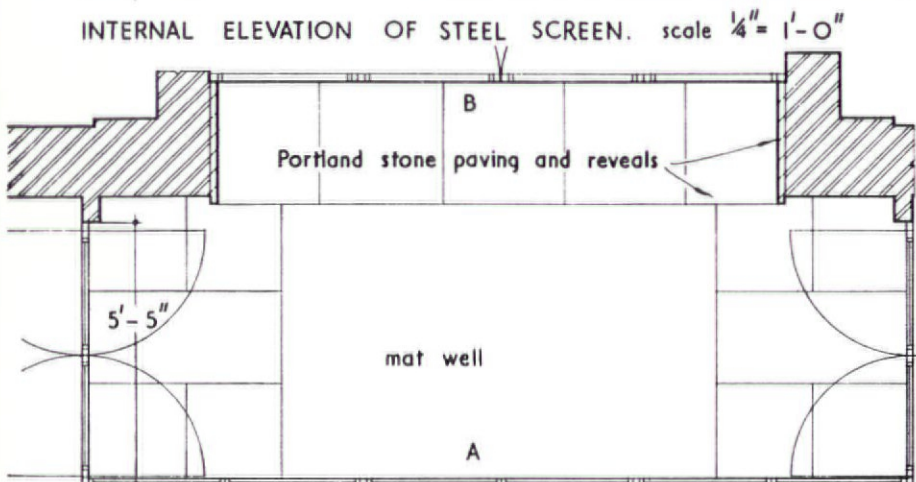
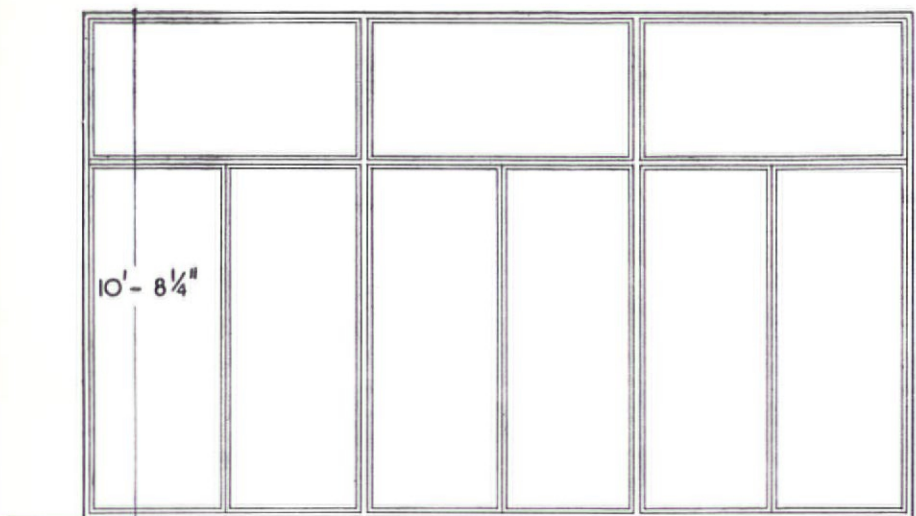
GLAZED ENTRANCE DOORS AND SCREEN: SOCIETY HEADQUARTERS, LONDON, N.W.1

DESIGNED BY JOHN AND ELIZABETH EASTWICK-FIELD IN COLLABORATION WITH HUGH PITE

The entrance doors are framed in bronze and the screen is painted steel, with all glazing beads in hardwood.



DOORS



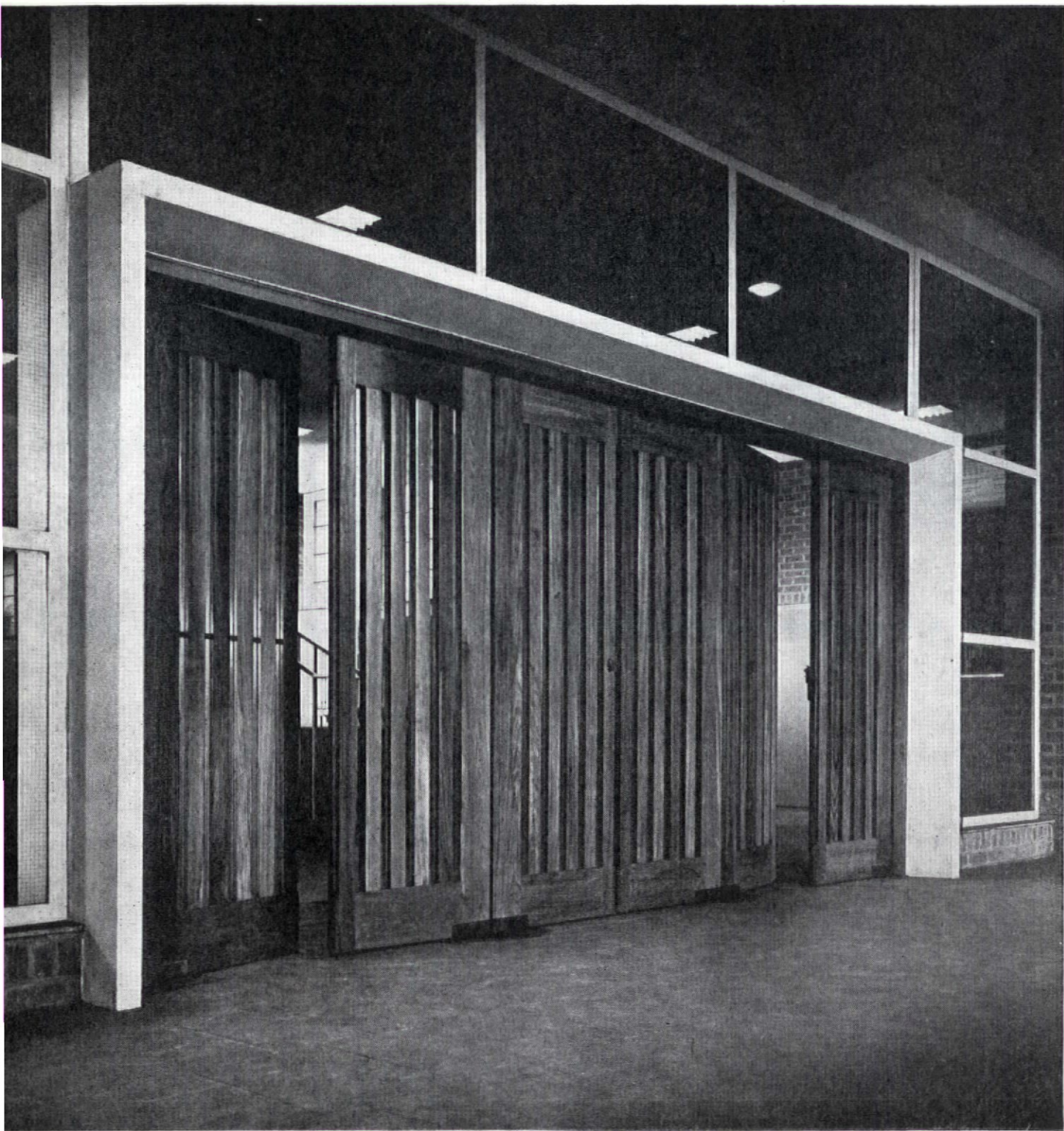
PART PLAN OF BRONZE ENTRANCE DOORS AND STEEL SCREEN.

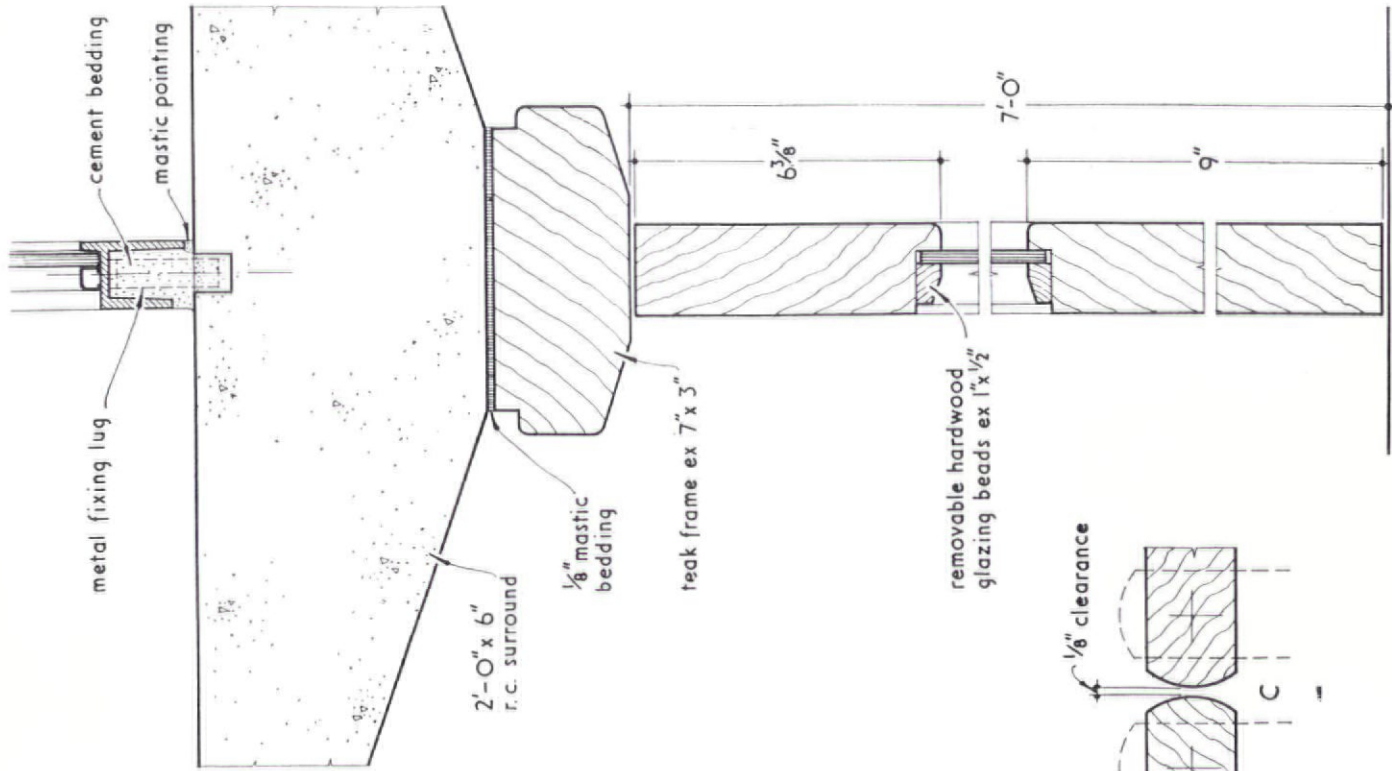
SECTION AT A. SECTION AT B. scale $\frac{1}{4}$ full size

ENTRANCE DOORS: TECHNICAL COLLEGE AT WILLESDEN

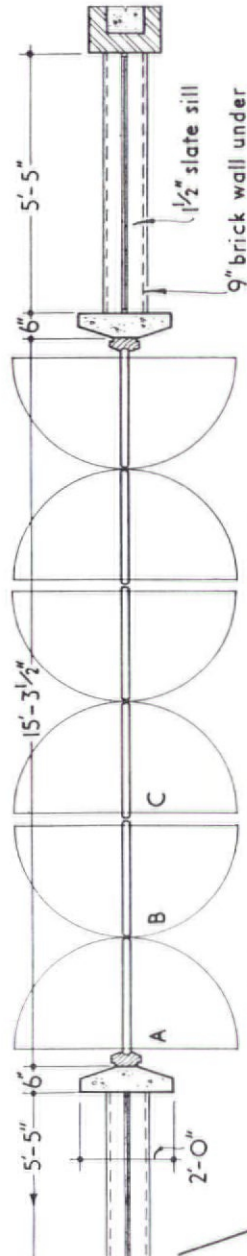
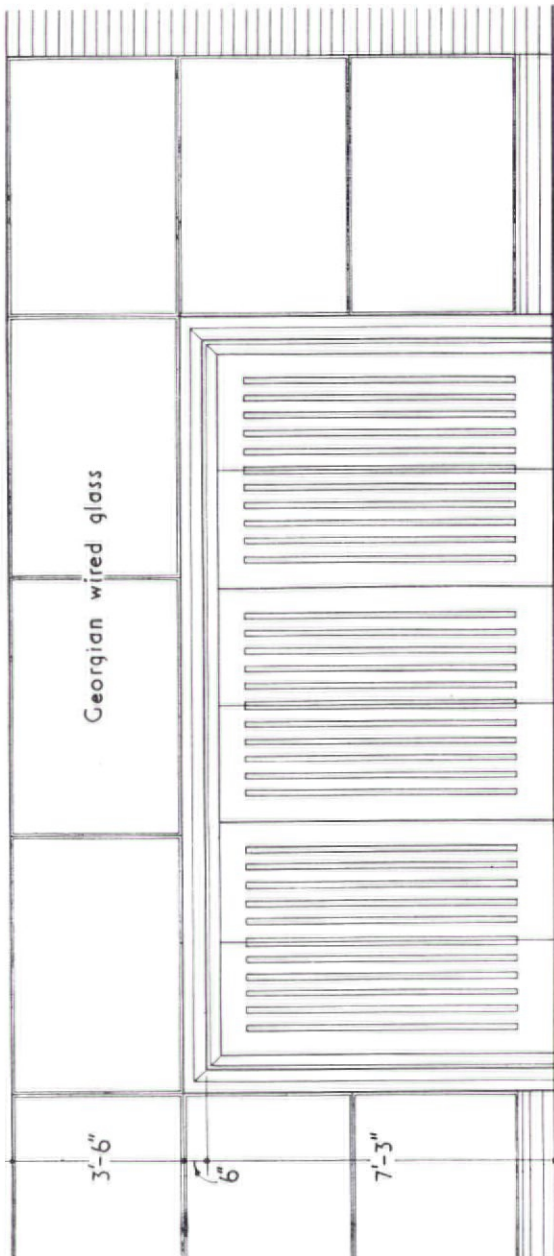
DESIGNED BY C. G. STILLMAN (architect to the Middlesex County Council)

There is no framing between the pairs of doors, which are in teak with narrow vertical strips of glazing.

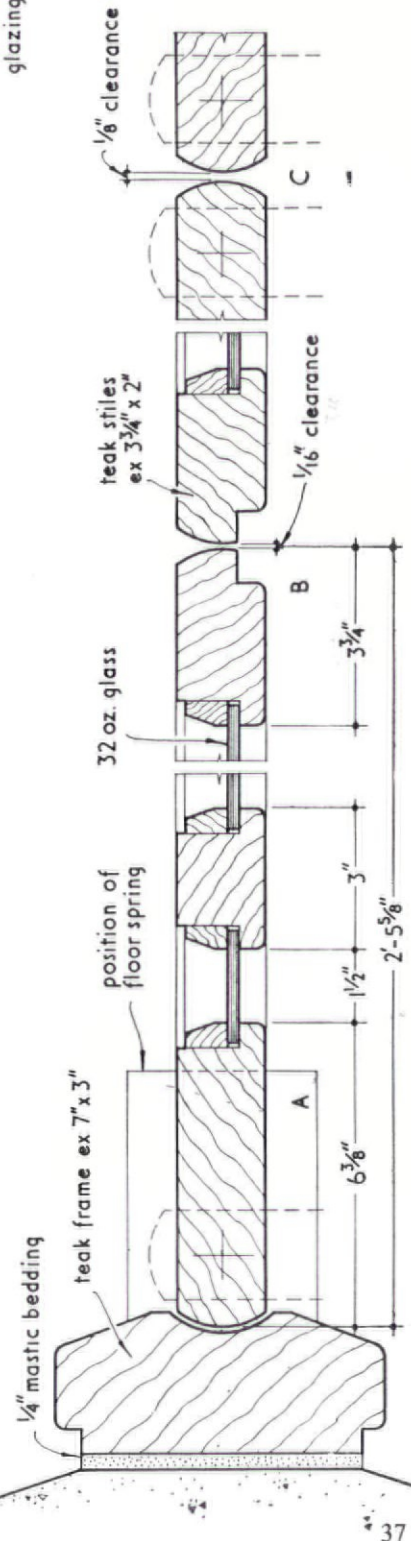




SECTION THROUGH DOOR. scale 1/4 full size



PLAN AND ELEVATION OF ENTRANCE. scale 1/4 = 1'-0"



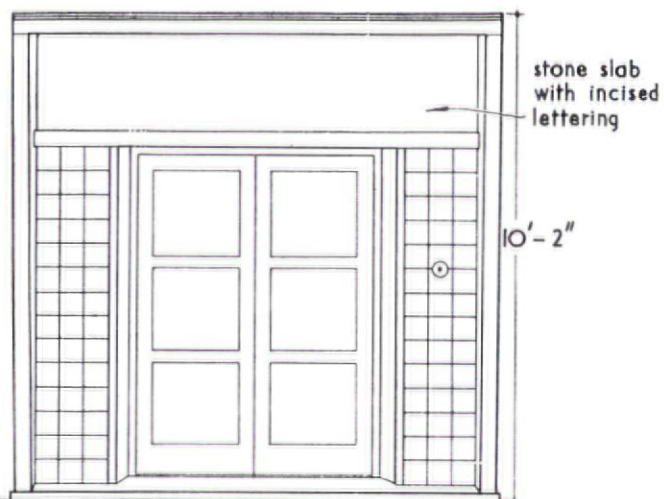
PLAN THROUGH DOORS AND FRAME. scale 1/4 full size

DOORS

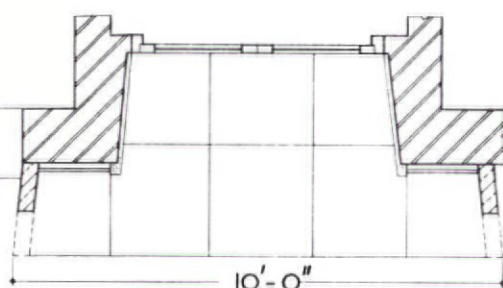
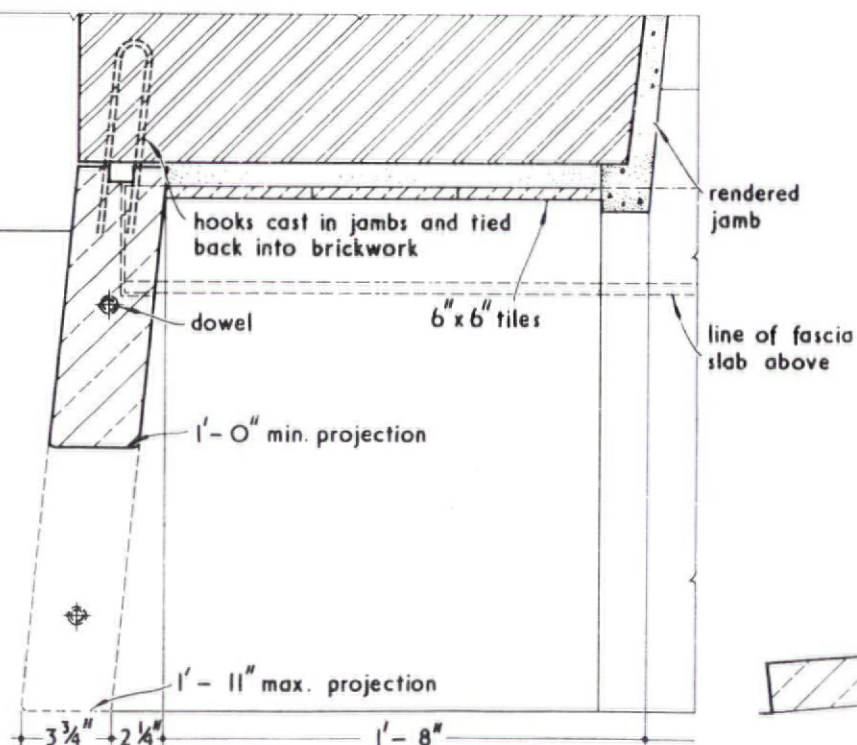
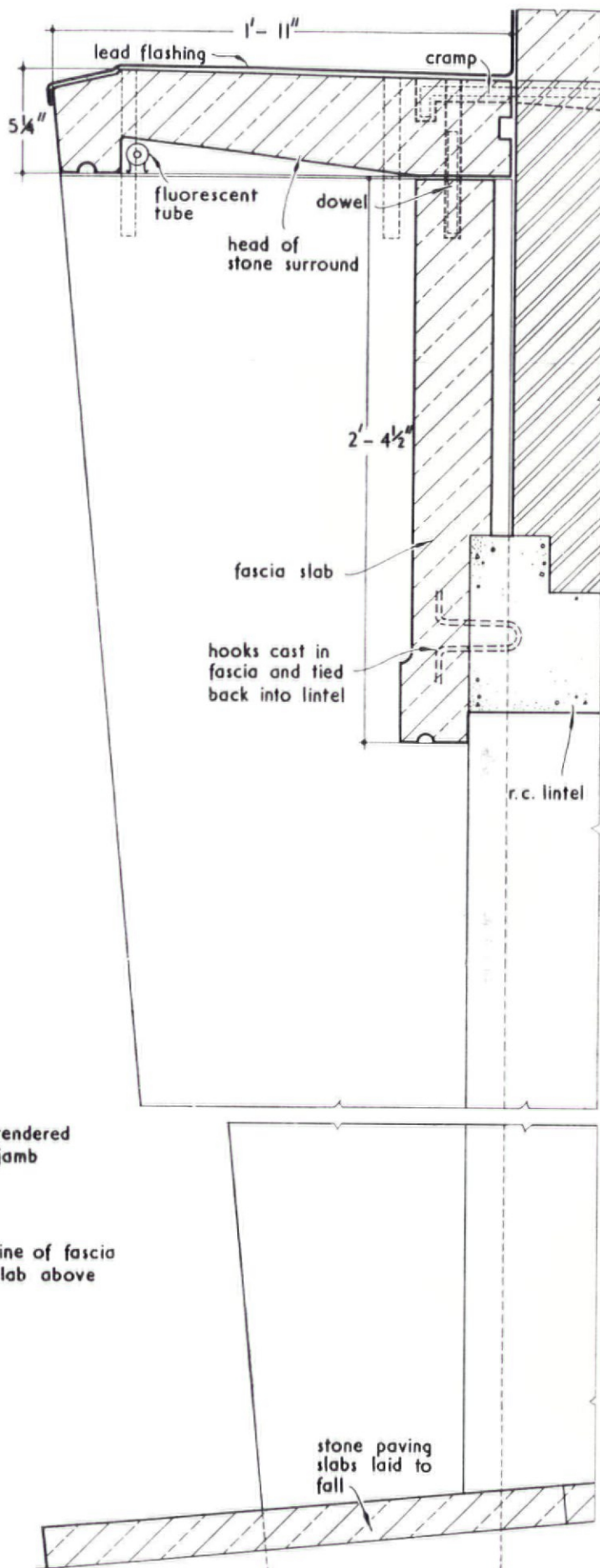
DOORWAY: MATERNITY HOSPITAL AT WIMBLEDON DESIGNED BY H. H. CLARK

The stone canopy has strip lighting in the head to illuminate the doorway, the tiled jambs, and the stone-faced lintel bearing the name of the hospital in incised letters.





ELEVATION OF ENTRANCE.

PLAN. scale $\frac{1}{4}" = 1' - 0"$ PART PLAN OF ENTRANCE. scale $1\frac{1}{2}" = 1' - 0"$ 

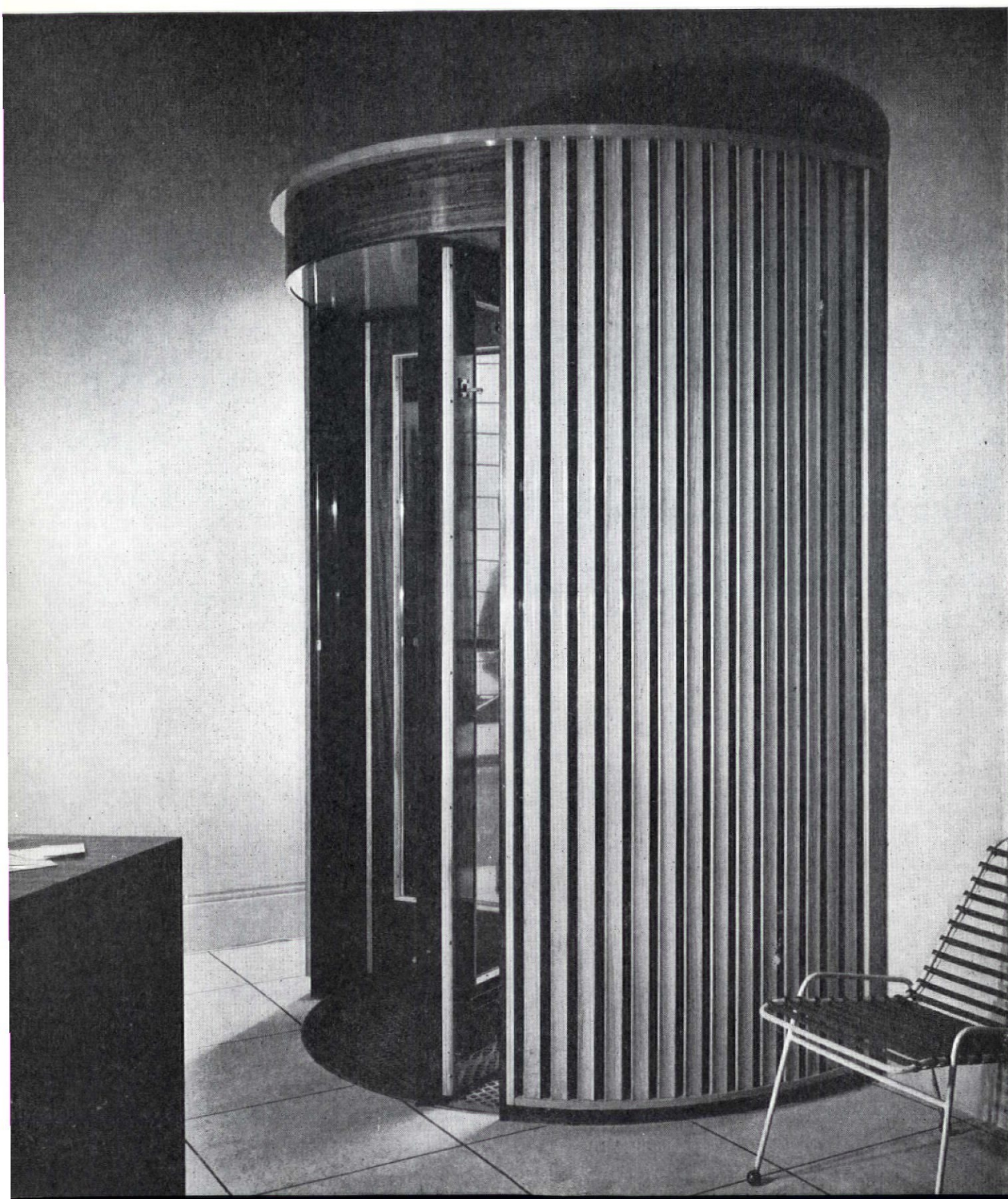
VERTICAL SECTION SHOWING FIXING OF SURROUND.

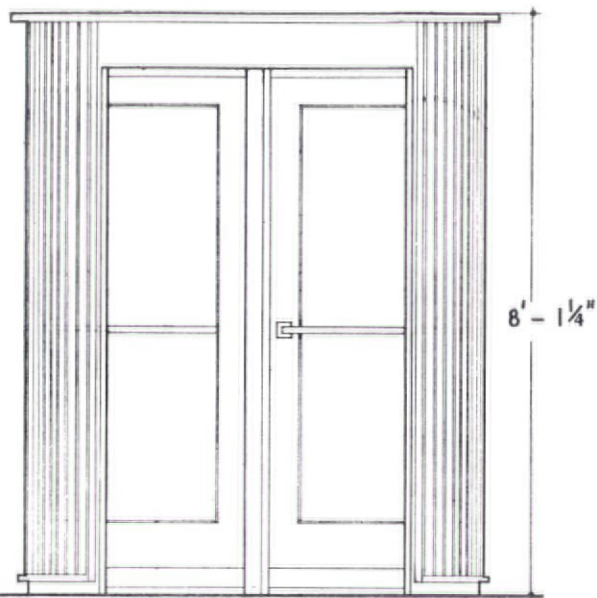
DOORS

REVOLVING DOOR: OFFICES IN LONDON, S.W.1

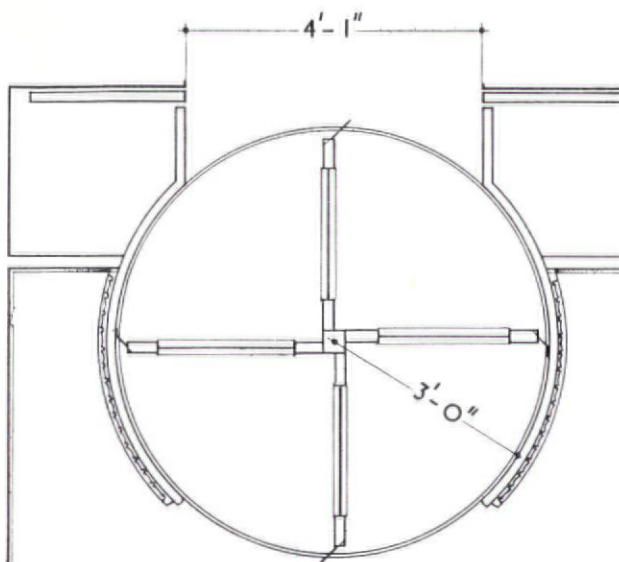
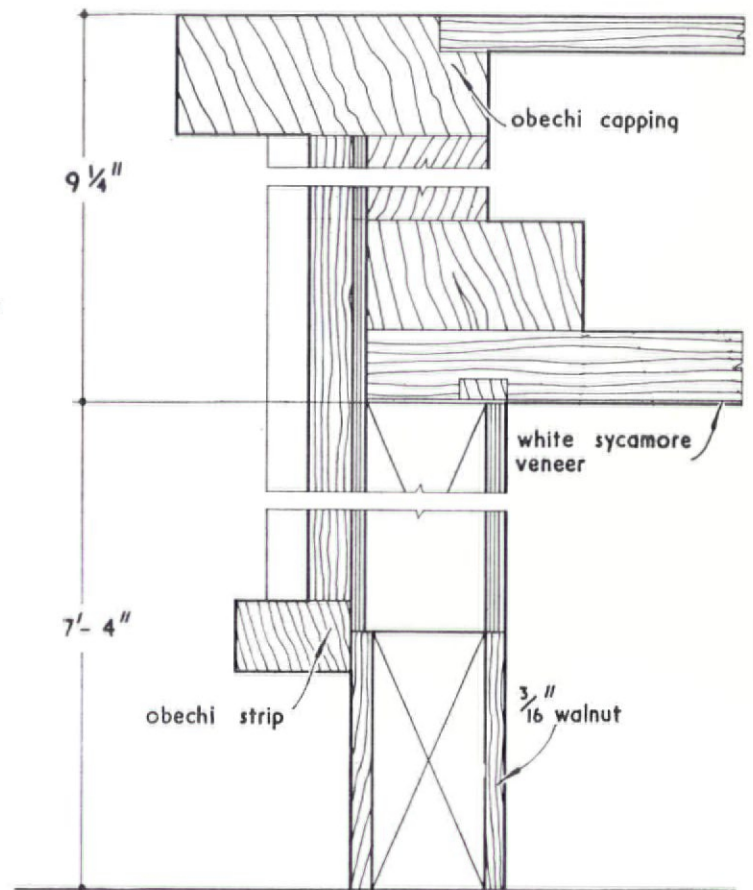
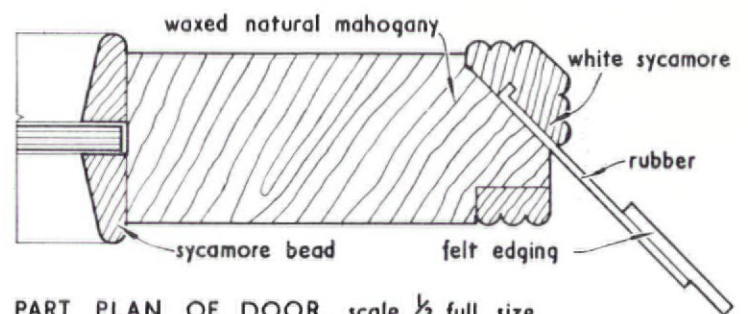
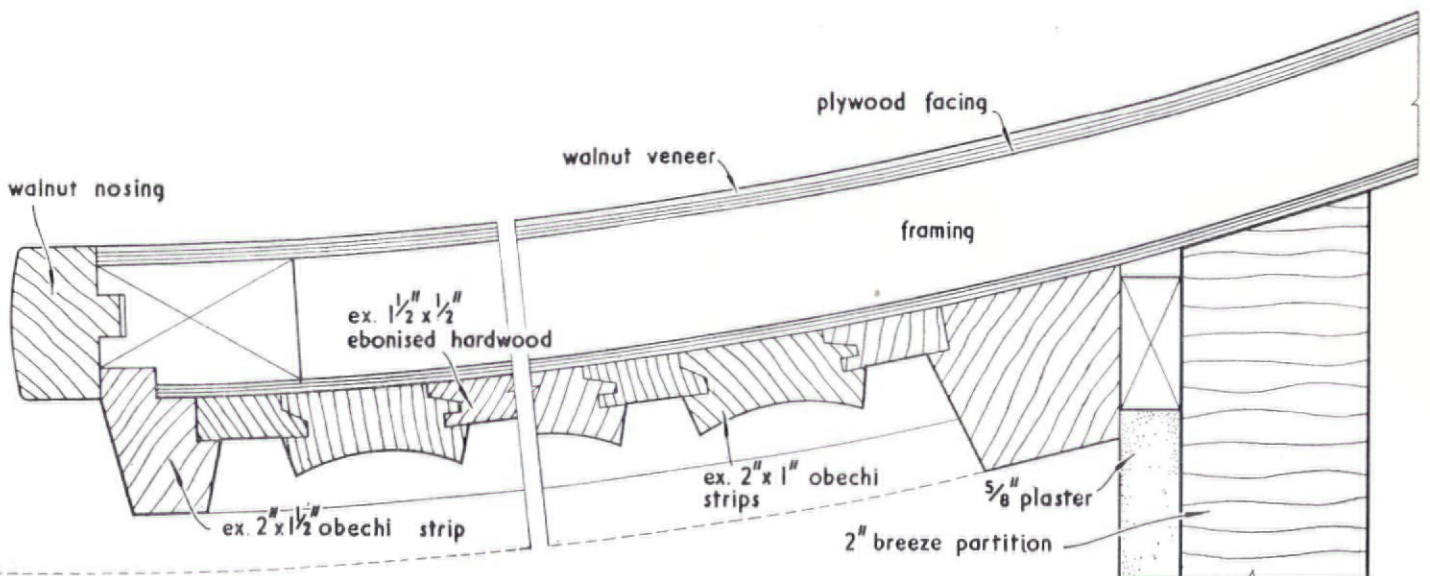
DESIGNED BY BERTRAM CARTER IN COLLABORATION WITH DYNELEY, LUKER AND MOORE

The doors are in natural mahogany and the side casing is panelled on the outside in vertical moulded strips of obechi.



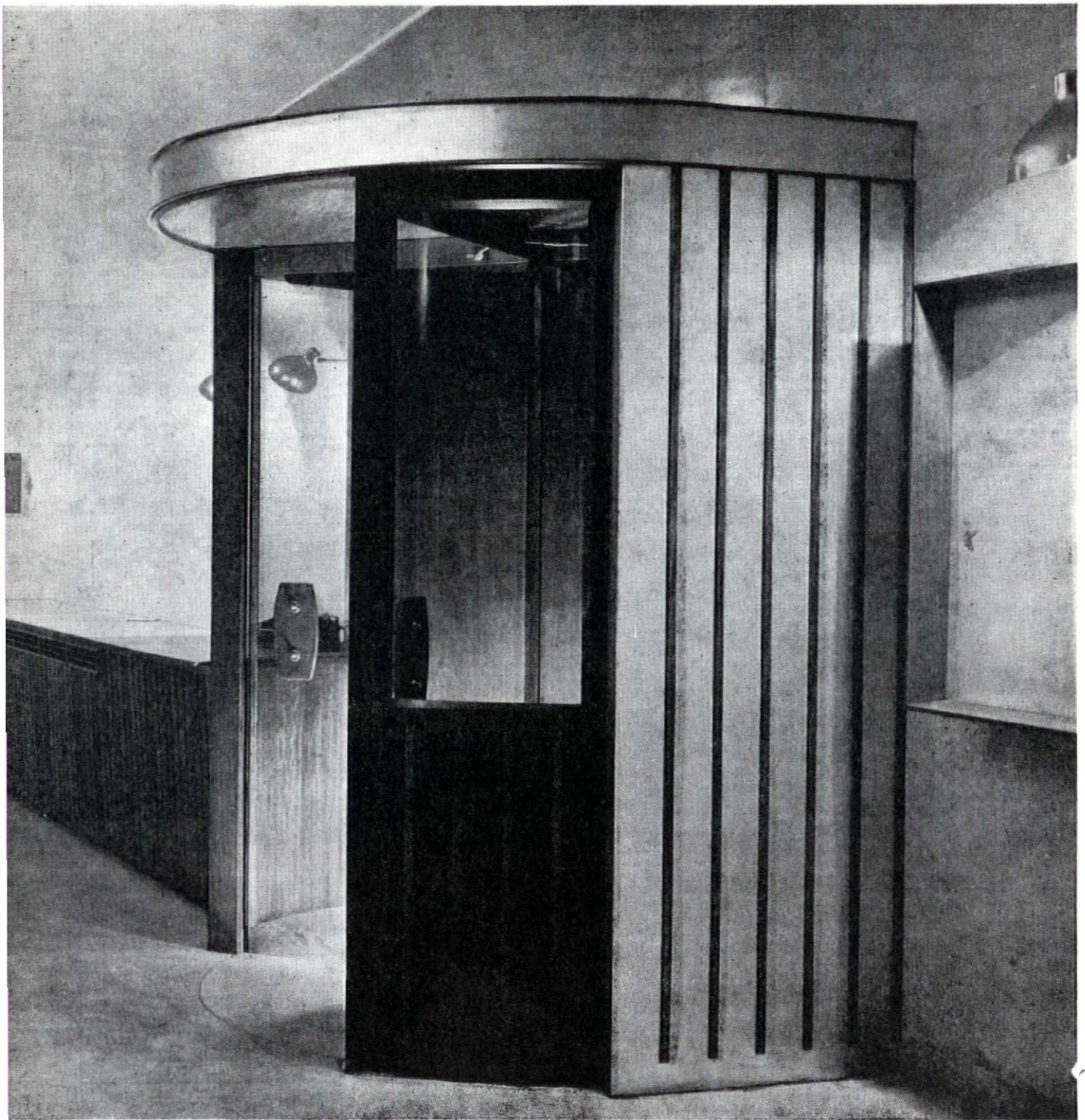


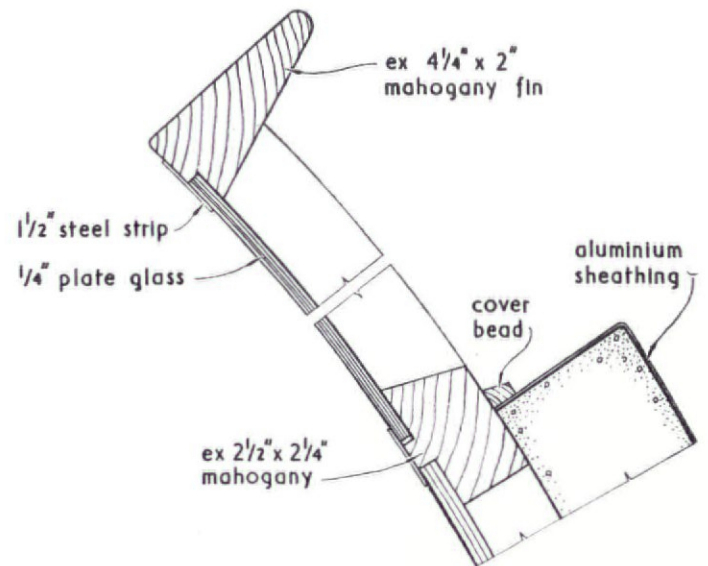
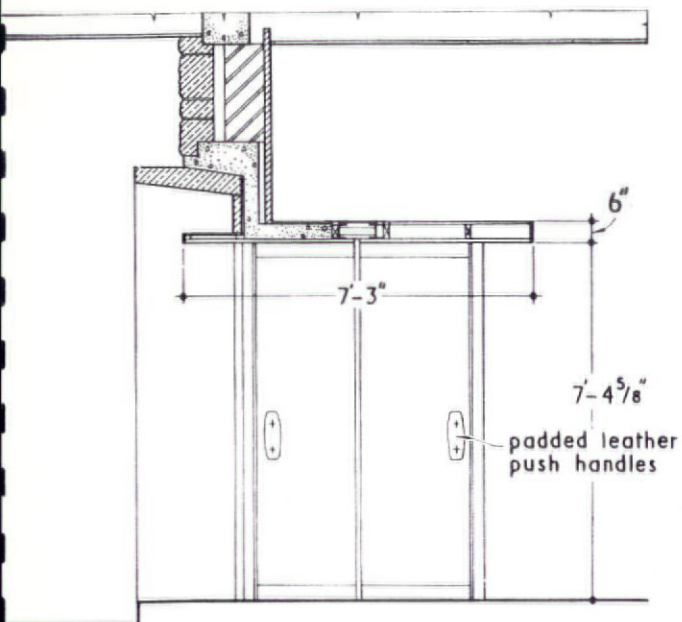
ELEVATION.

PLAN OF DOOR. scale $\frac{3}{8}'' = 1'-0''$ VERTICAL SECTION THRO' SIDE CASING scale $\frac{1}{2}$ full sizePART PLAN OF DOOR. scale $\frac{1}{2}$ full sizePART PLAN OF SIDE CASING scale $\frac{1}{2}$ full size

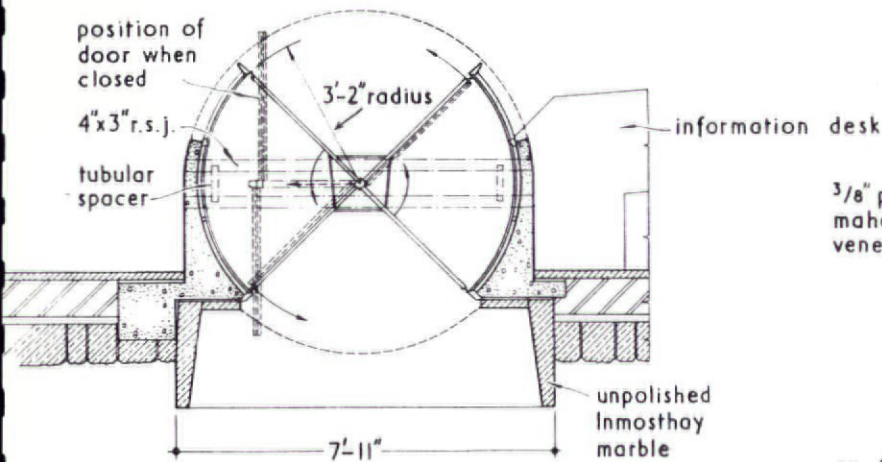
REVOLVING DOOR: DEPARTMENT OF NATURAL PHILOSOPHY, UNIVERSITY OF GLASGOW
DESIGNED BY BASIL SPENCE AND PARTNERS

*The revolving doors are of armour-plate glass;
when not in use they may be folded flat and moved
on an overhead track to one side of the opening.*

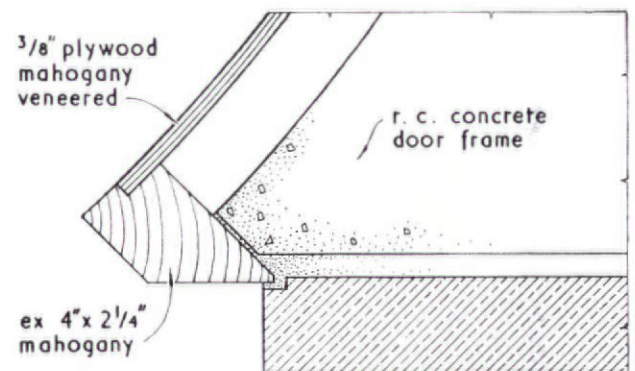




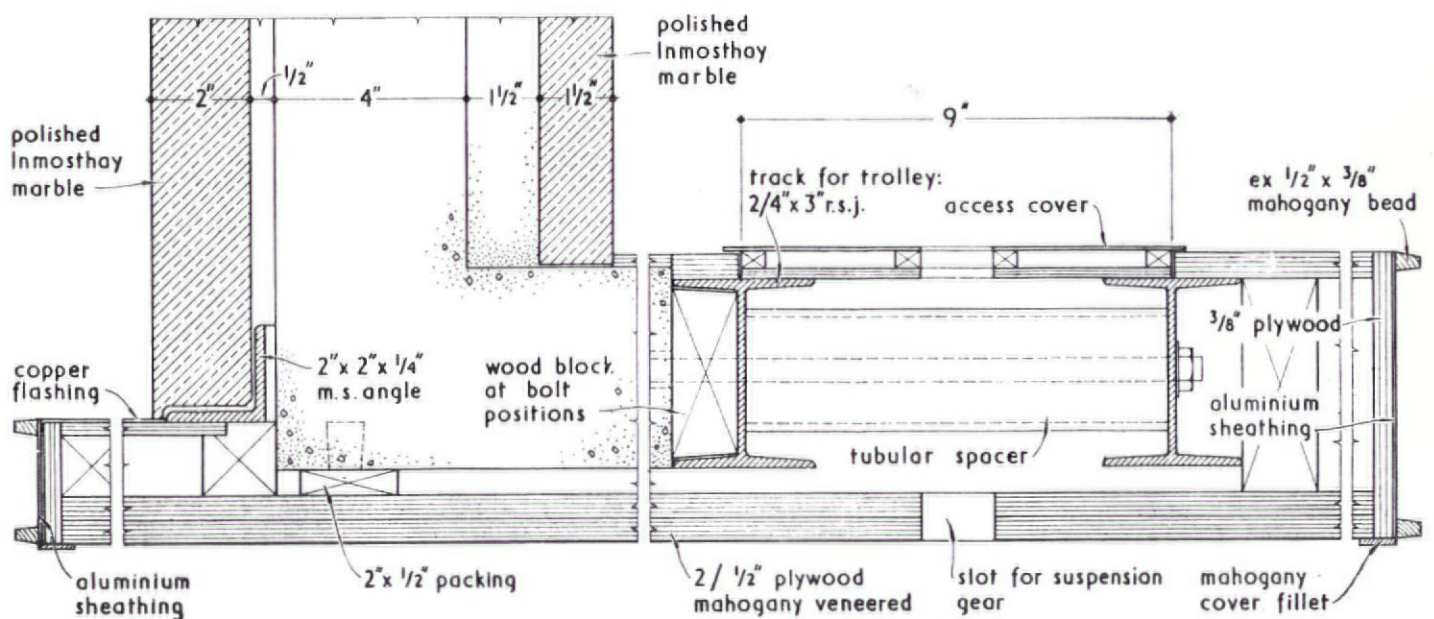
PART PLAN OF GLAZED CASING.
scale $\frac{1}{4}$ full size



PLAN AND SECTION OF DOORWAY.
scale $\frac{1}{4}$ = 1'-0"



PART PLAN OF EXTERNAL JAMB.
scale $\frac{1}{4}$ full size



SECTION THROUGH CANOPY.

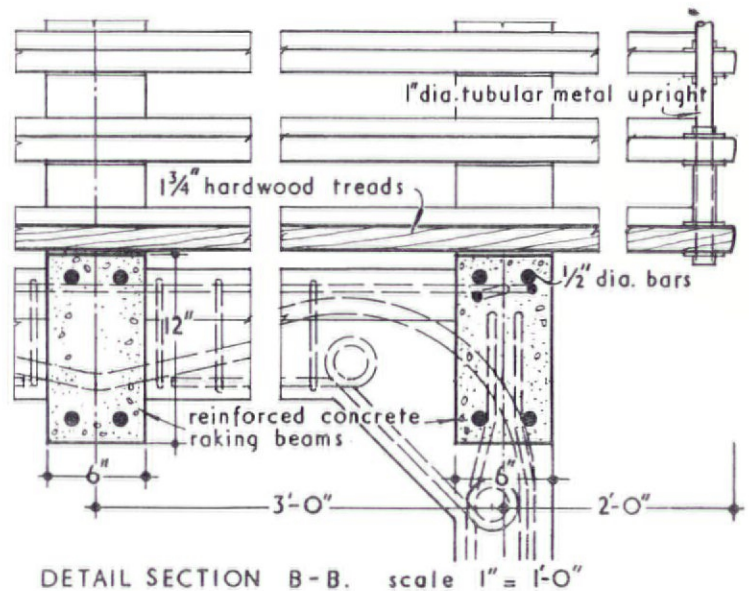
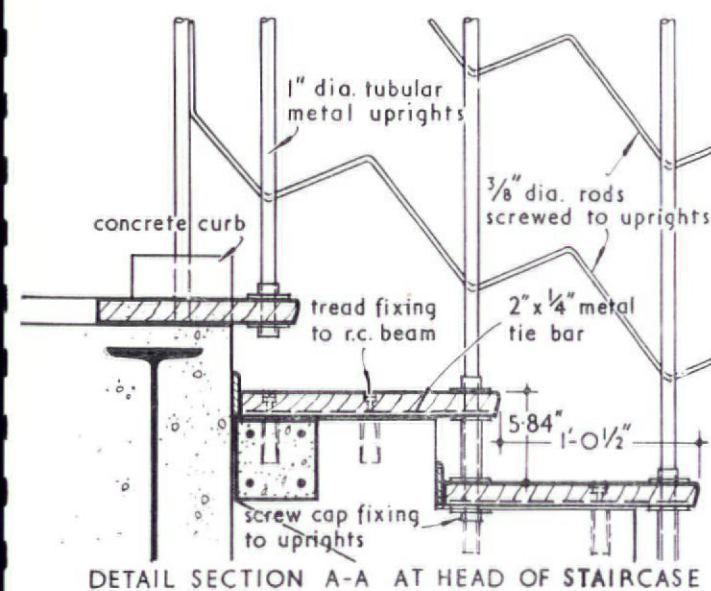
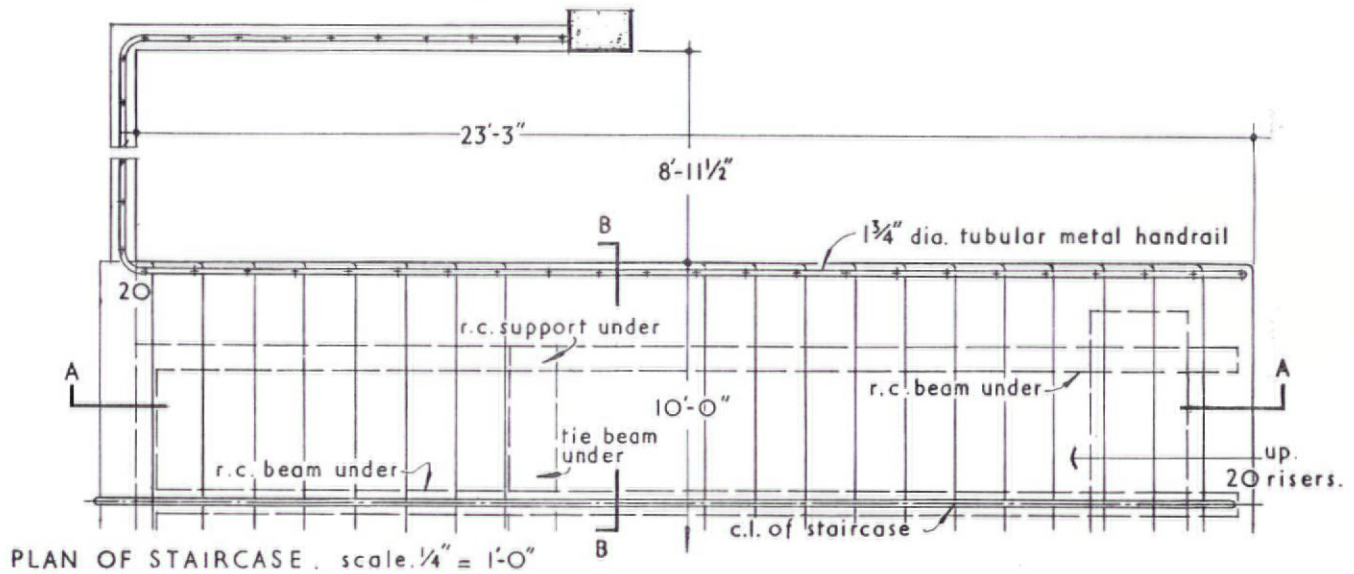
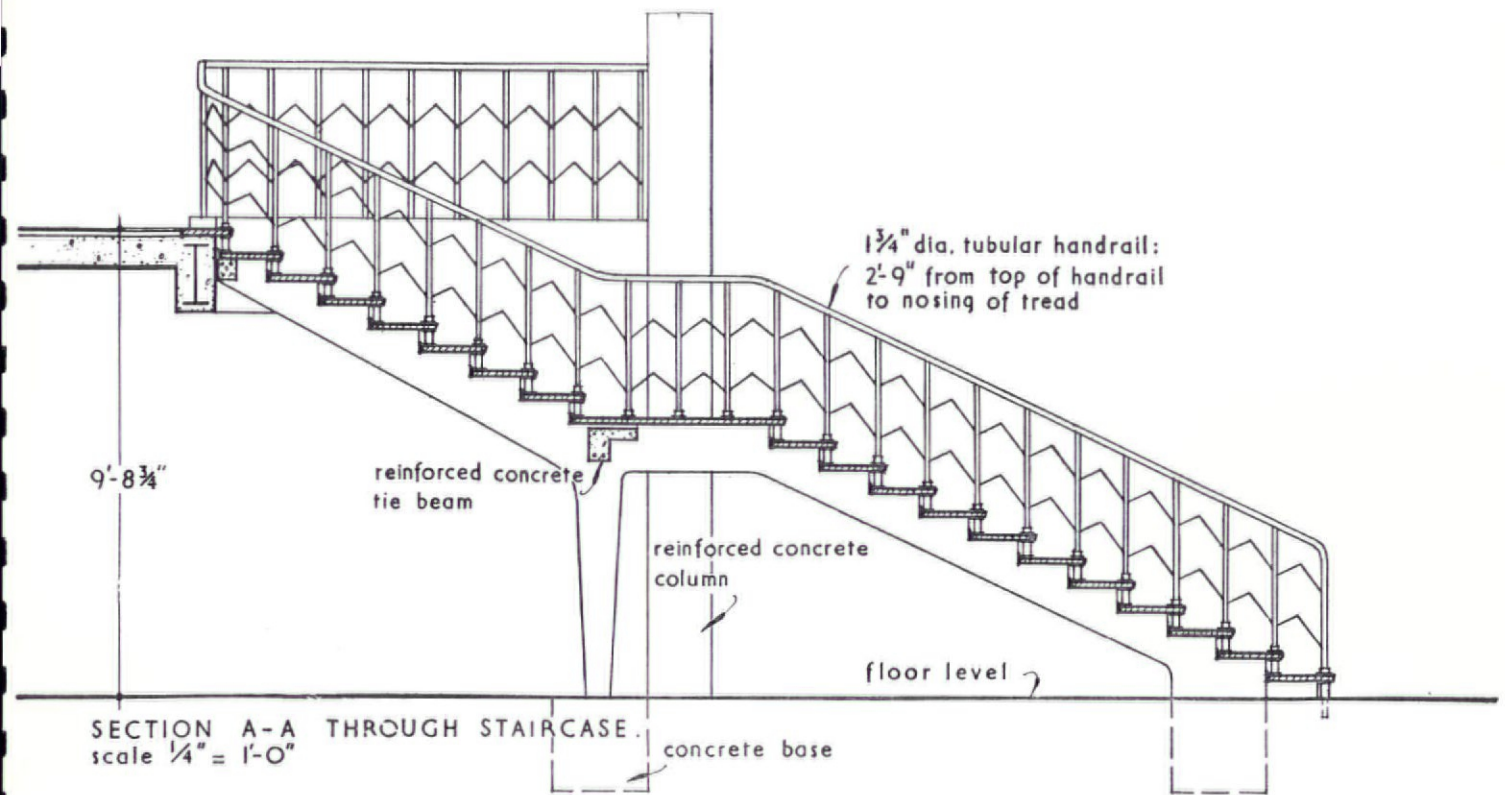
scale $\frac{1}{4}$ full size

STAIRCASE: STORE IN LONDON, W.1

DESIGNED BY THE ARCHITECTS AND TECHNICIANS OF THE JOHN LEWIS PARTNERSHIP;
R. H. PEARSON (architect-in-charge)

*The hardwood treads are carried on three
reinforced concrete beams: the balustrade is of
tubular steel.*



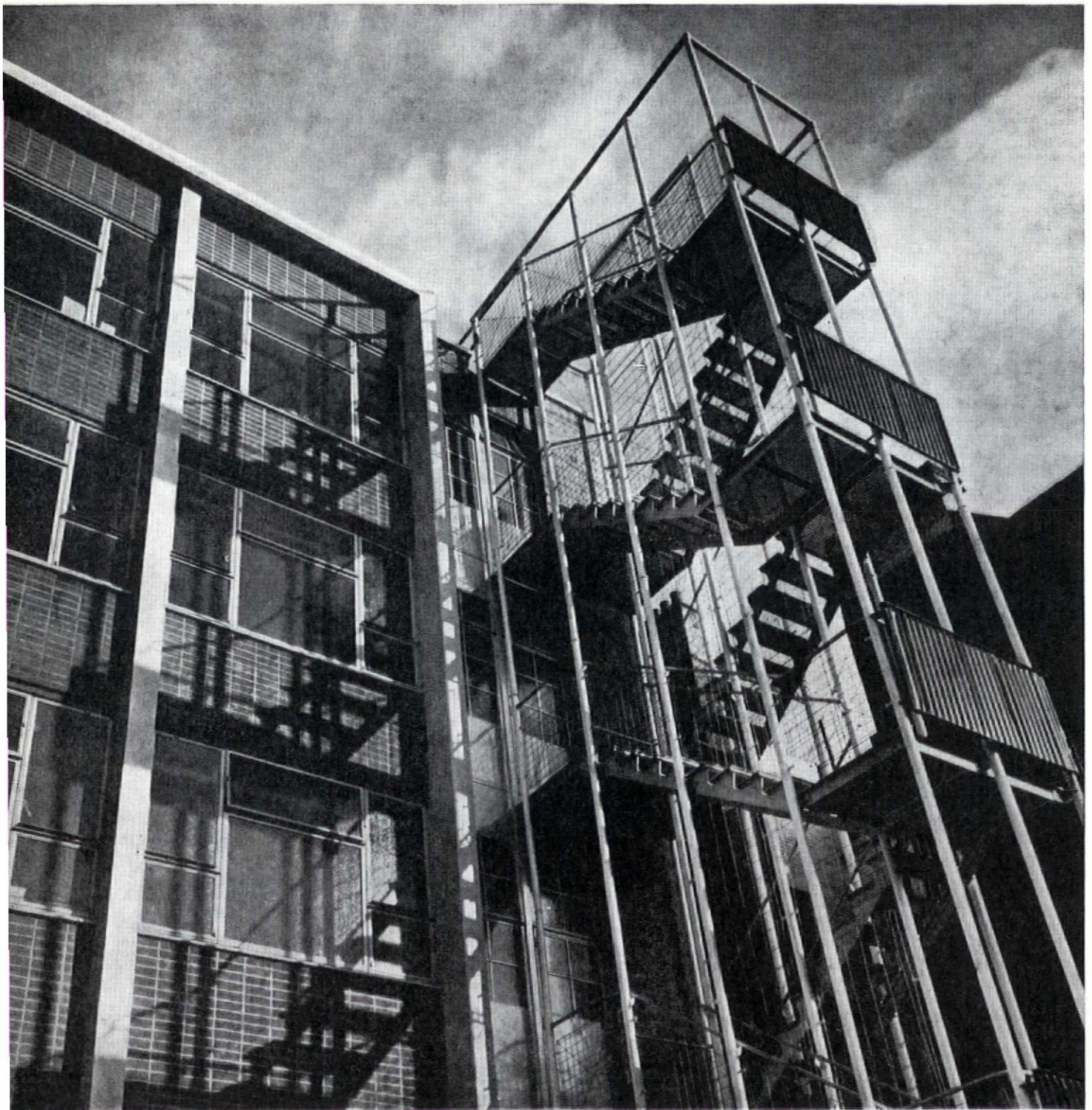


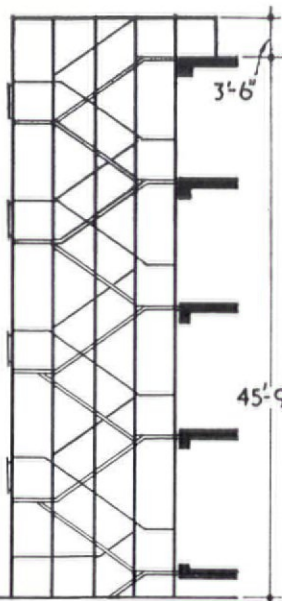
STAIRCASES

EXTERNAL ESCAPE STAIRCASE: OFFICES IN LONDON, S.W.1

DESIGNED BY BERTRAM CARTER IN COLLABORATION WITH DYNELEY, LUKER AND MOORE

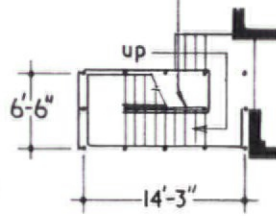
The staircase is enclosed in vertical members of tubular steel with wire mesh balustrading and parting screen.



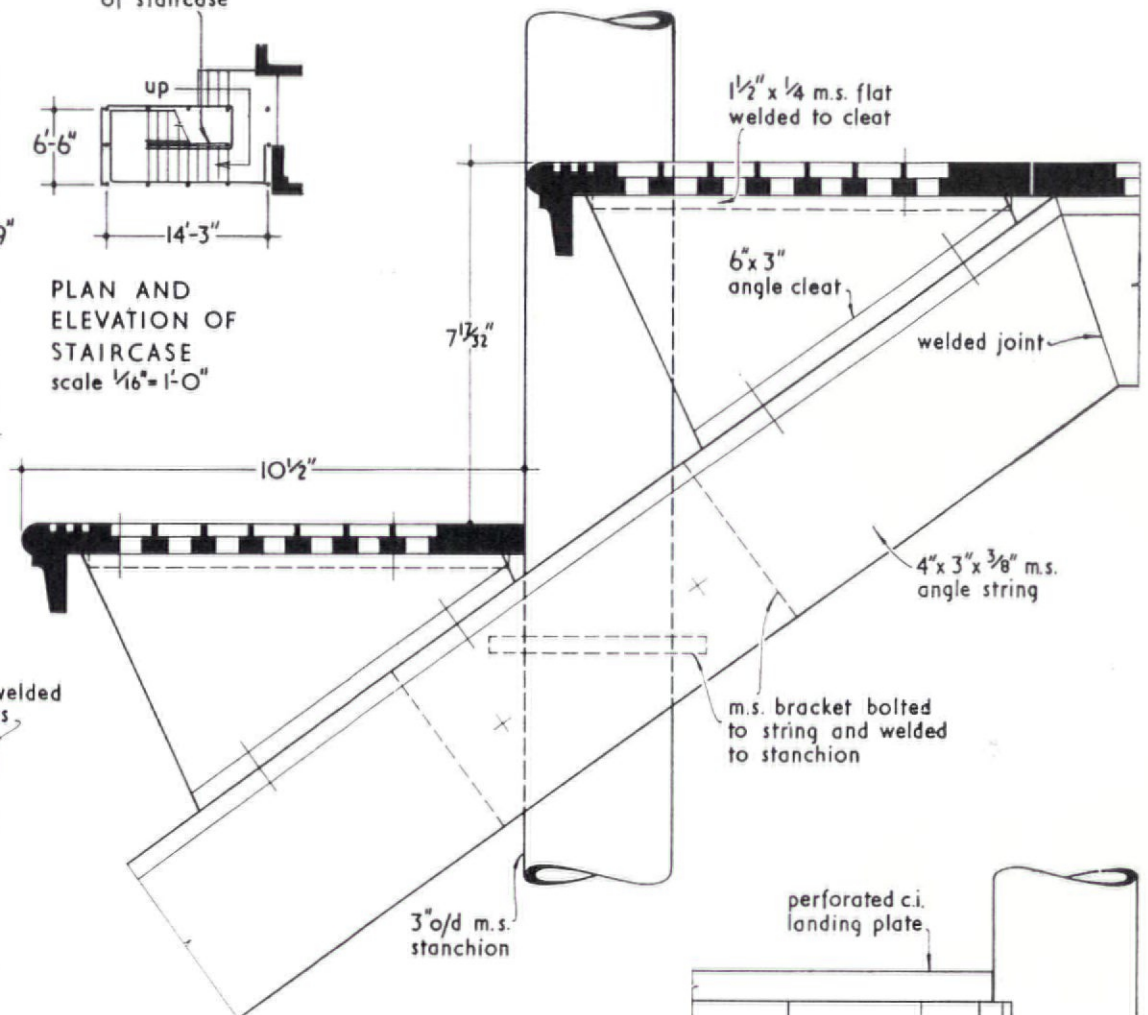


outside balustrade formed of 3" sq. mesh galvd. wire to height of handrail

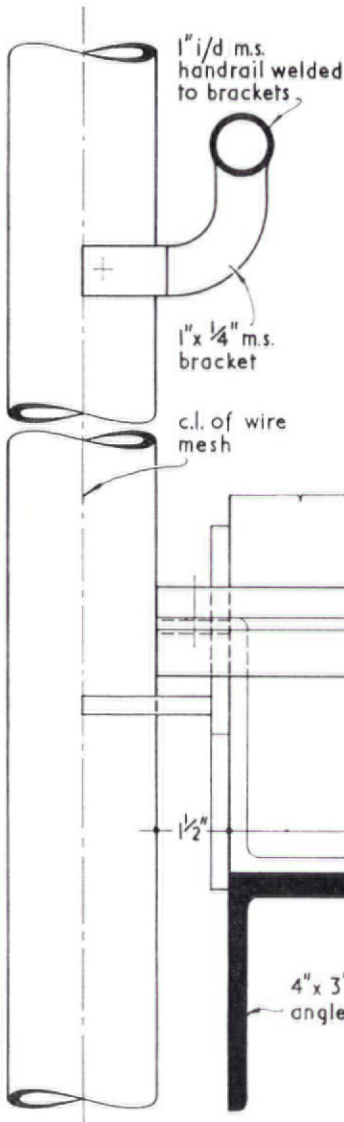
continuous 6" sq. mesh galvd. wire screen full height of staircase



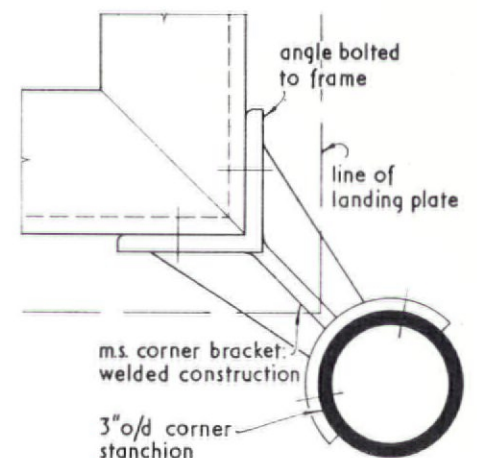
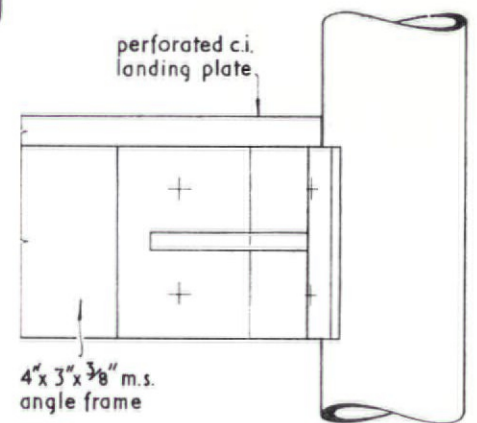
PLAN AND ELEVATION OF STAIRCASE
scale $\frac{1}{16}" = 1'-0"$



LONGITUDINAL SECTION THRO' STAIR.
scale $\frac{1}{4}$ full size



CROSS SECTION THRO' STAIR. scale $\frac{1}{4}$ full size



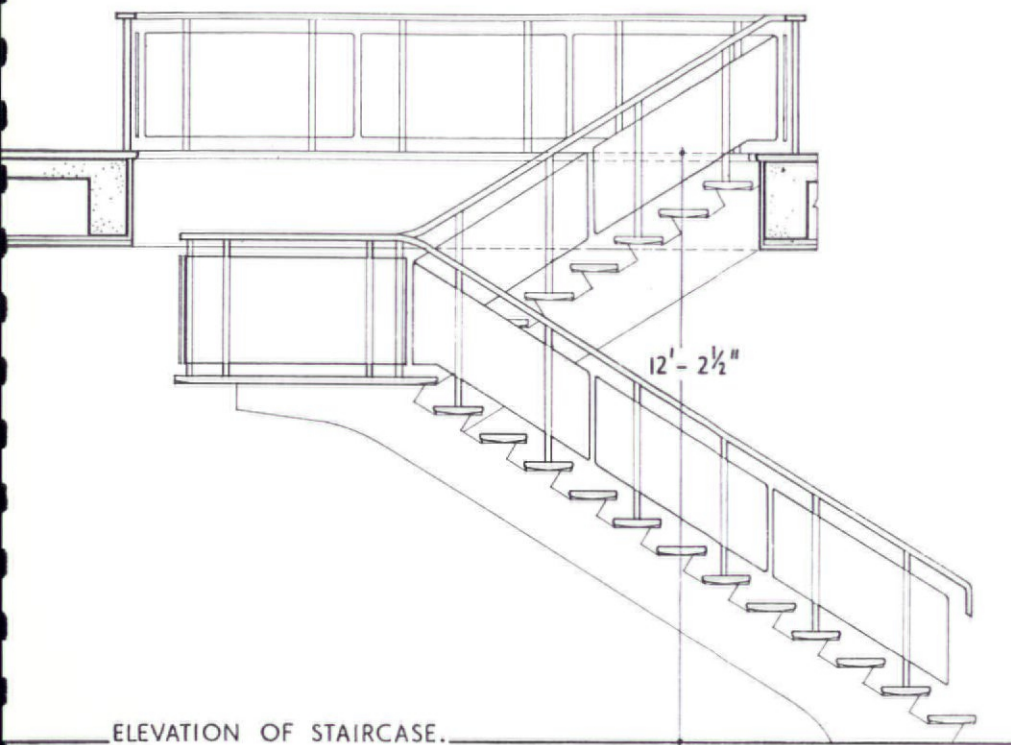
FIXING AT CORNER. scale $\frac{1}{4}$ full size

STAIRCASE: SHOP AT BRISTOL

DESIGNED BY ELLIS E. SOMAKE; MALCOLM GLOVER AND PARTNERS (consulting engineers)

The staircase is supported on two reinforced concrete carriage beams. The hardwood landing is treated in the same way as the treads, having a wide overhang through which the balustrade standards are bolted.





ex $4\frac{1}{2} \times 1\frac{3}{4}$ polished mahogany handrail

3 " dia. $\times \frac{1}{4}$ " m. s. plate welded to standard and stove enamelled white

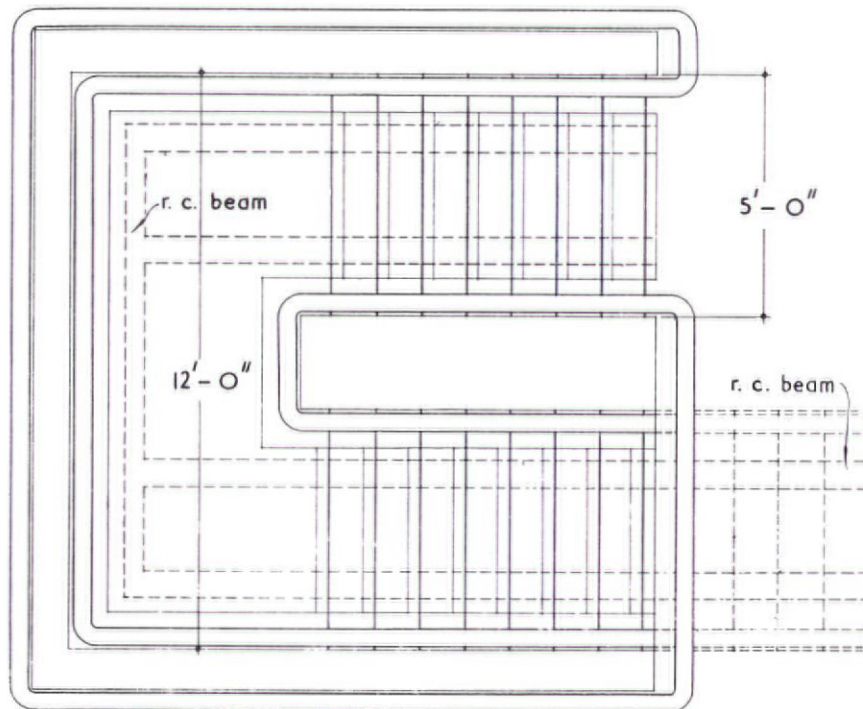
polished and lacquered brass-headed bolt

$1\frac{3}{8}$ " dia. m. s. standard stove enamelled white

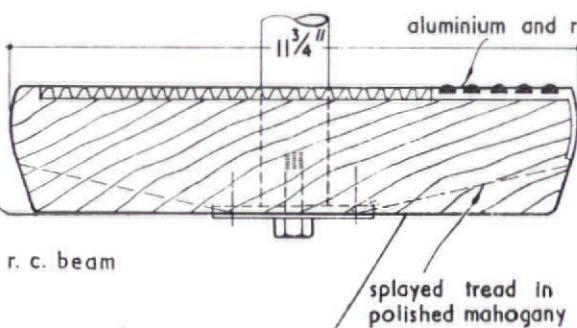
$\frac{3}{8}$ " armoured clear glass

polished and lacquered brass sleeve, covering $\frac{3}{8}$ " dia. rod welded to standard

ELEVATION OF STAIRCASE.



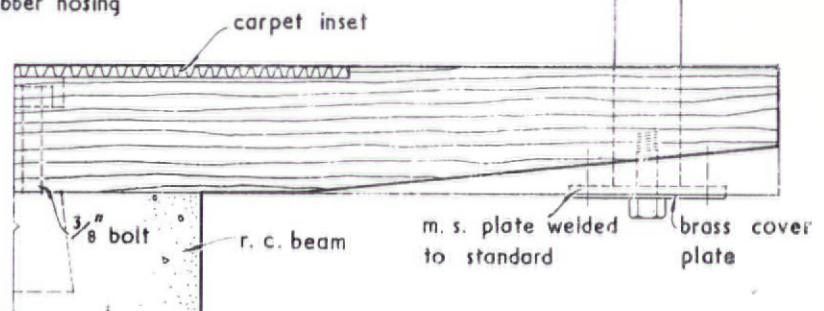
PLAN OF STAIRCASE. scale $\frac{1}{4}$ " = 1' - 0"



r. c. beam

splayed tread in polished mahogany

aluminium and rubber nosing



carpet inset

$\frac{3}{8}$ " bolt

r. c. beam

m. s. plate welded to standard

brass cover plate

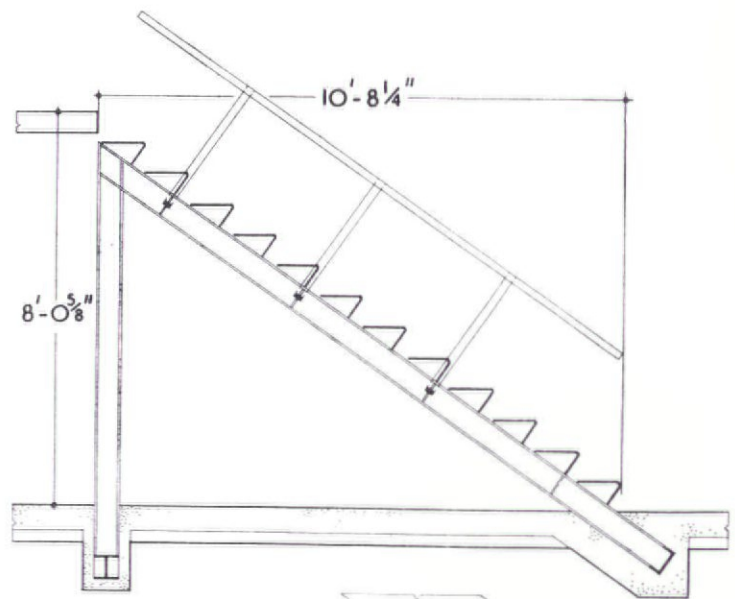
SECTION THROUGH TREAD. scale $\frac{1}{4}$ full size CROSS SECTION THROUGH TREAD AND BALUSTER.

STAIRCASE: ARCHITECT'S OFFICE, LOS ANGELES DESIGNED BY WILLIAM BECKETT

Each perforated metal stair is welded separately to the central carriage beam which, resting on a vertical support at the top end, enables the staircase to be completely free-standing.



LONGITUDINAL SECTION
THROUGH STAIRCASE.
scale $\frac{1}{4}" = 1' - 0"$



$7\frac{7}{16}"$

perforated metal tread
welded to bearer

handrail

$6" \times 6"$ bearer

$1\frac{5}{8}"$ dia. aluminium handrail

$\frac{1}{4}"$ stiffener

$1\frac{1}{2}" \times \frac{1}{2}"$ strap

LONGITUDINAL SECTION THRO' STAIR.
scale $\frac{1}{4}$ full size

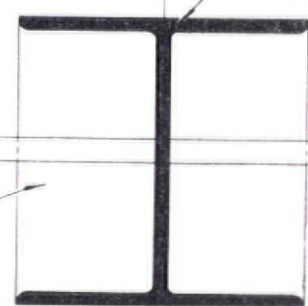
$1' - 9\frac{3}{4}"$

$1\frac{1}{2}" \times \frac{1}{2}"$ strap welded
to stiffener and bearer

$6" \times 6"$ bearer

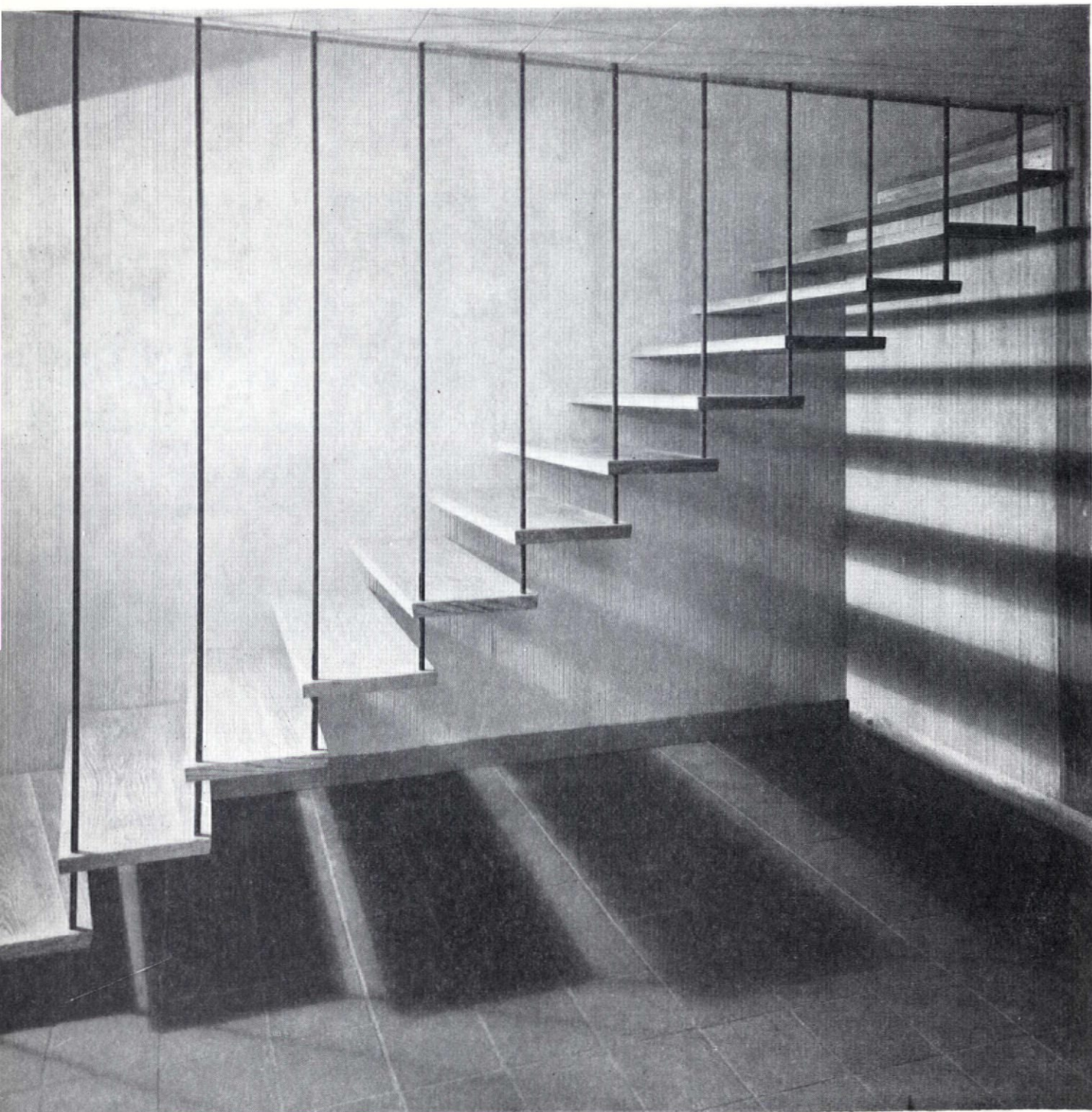
$\frac{1}{4}"$ stiffener
welded to
bearer

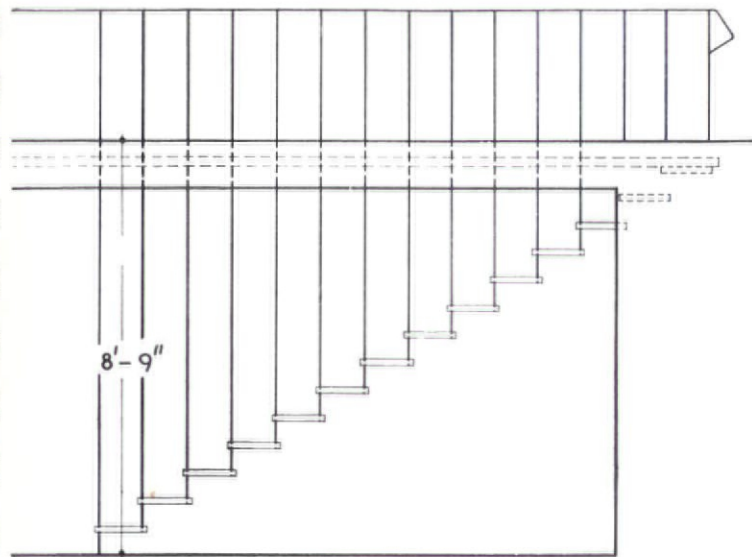
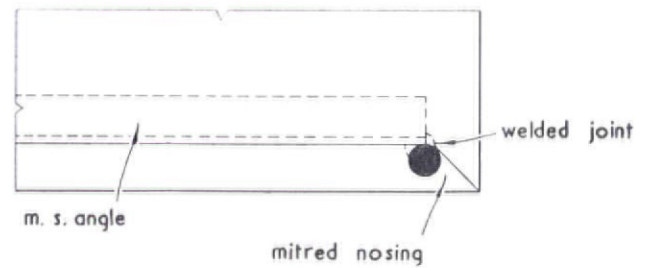
CROSS SECTION THRO' HANDRAIL SHOWING CONNECTION TO BEARER
scale $\frac{1}{4}$ full size



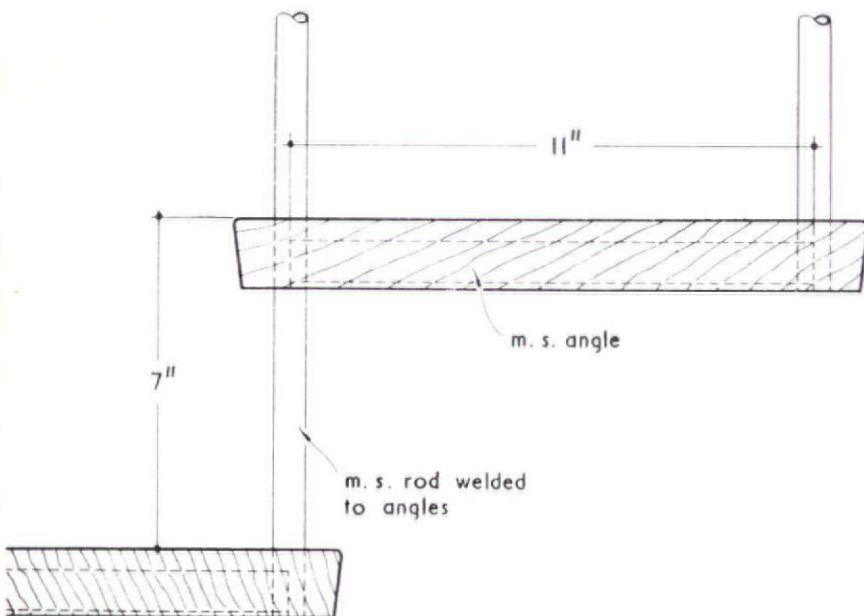
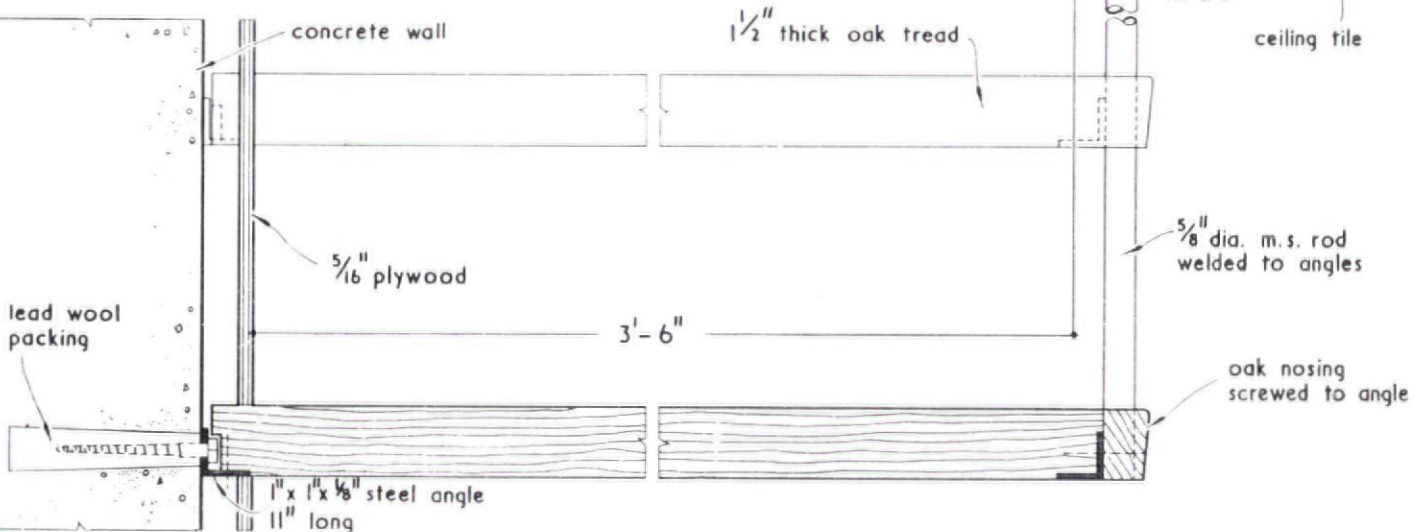
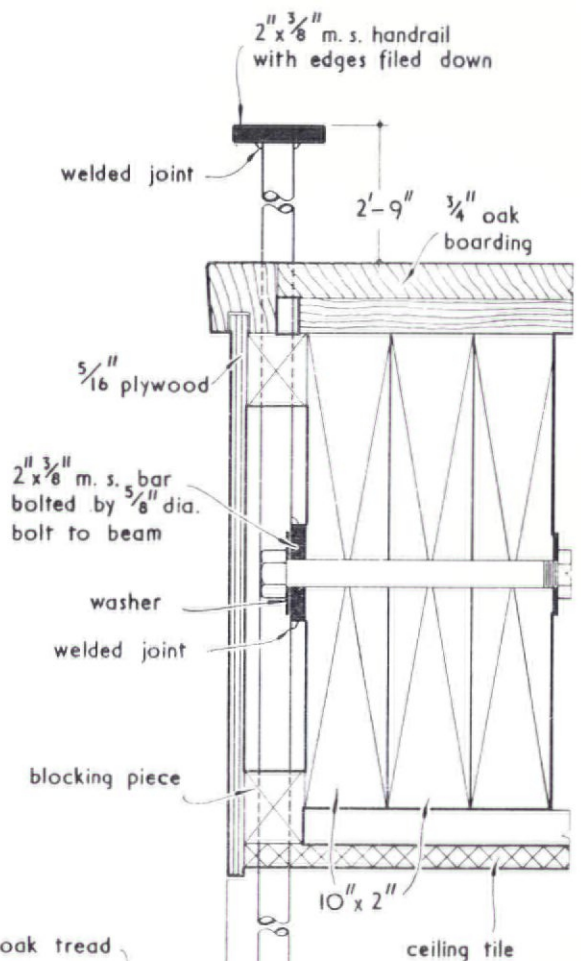
STAIRCASE: HOUSE IN HANOVER, NEW HAMPSHIRE DESIGNED BY E. H. AND M. K. HUNTER

The hardwood treads are supported at the wall on metal angles concealed behind panelling, and at the outer end by painted rods which are continued through the ceiling to act as balusters on the landing above.



ELEVATION OF STAIR. scale $\frac{1}{4}'' = 1' - 0''$ 

PART PLAN OF TREAD.

LONGITUDINAL SECTION THROUGH STAIR. scale $\frac{1}{4}$ full sizeCROSS SECTION THROUGH STAIR AND HANDRAIL. scale $\frac{1}{4}$ full size

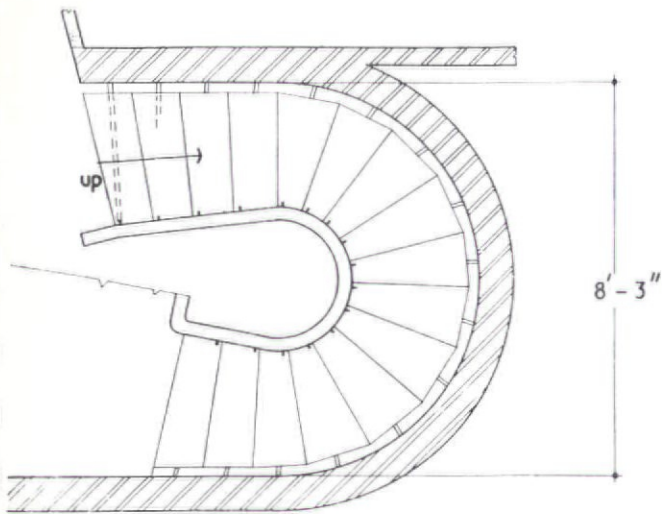
STAIRCASES

STAIRCASE: OFFICES IN LONDON, S.W.1

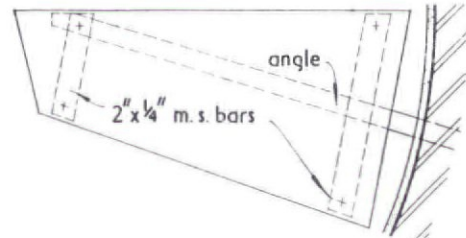
DESIGNED BY BERTRAM CARTER IN COLLABORATION WITH DYNELEY, LUKER AND MOORE

The hardwood treads are supported on brackets cantilevered from the semi-circular staircase wall.

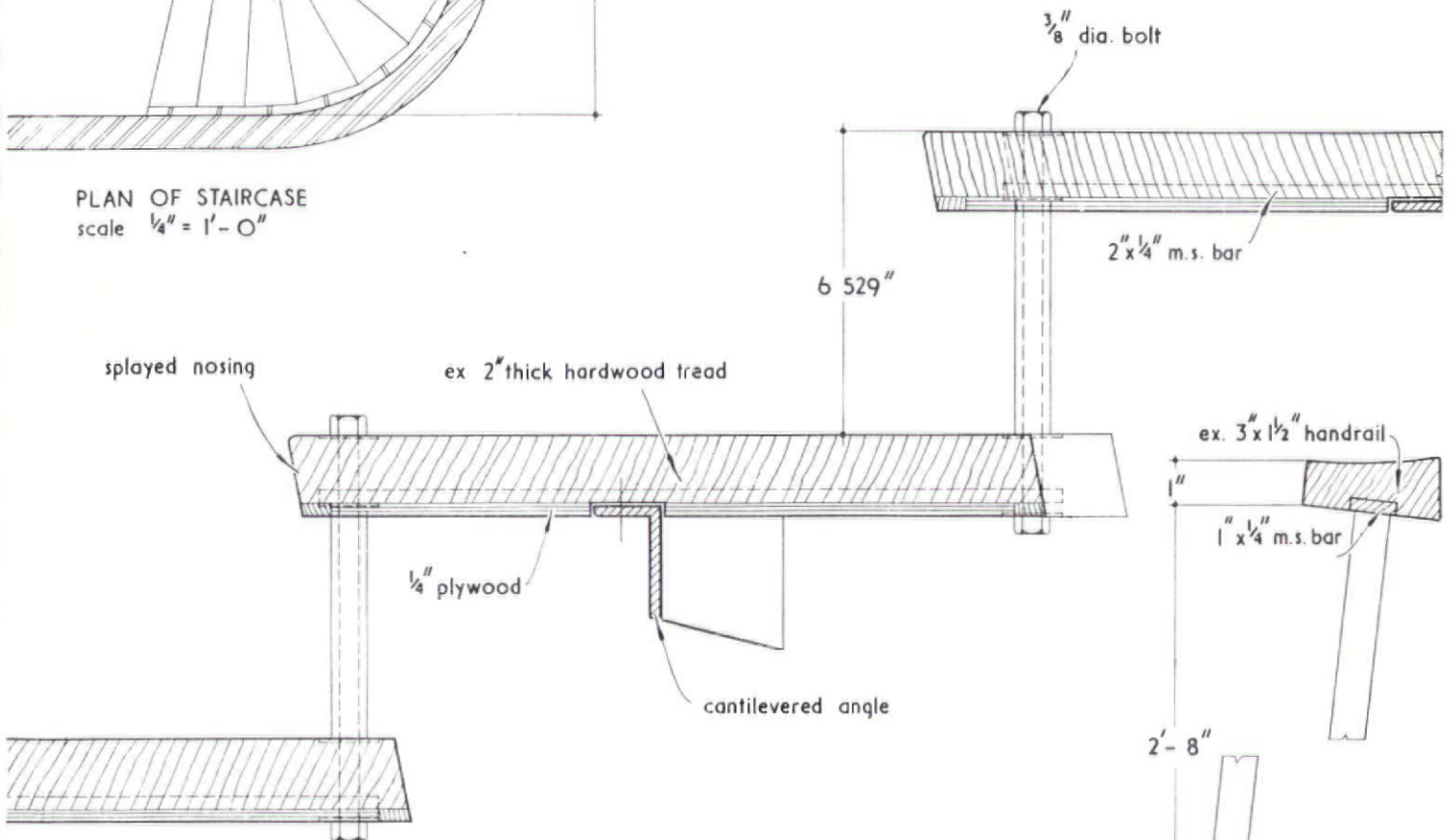




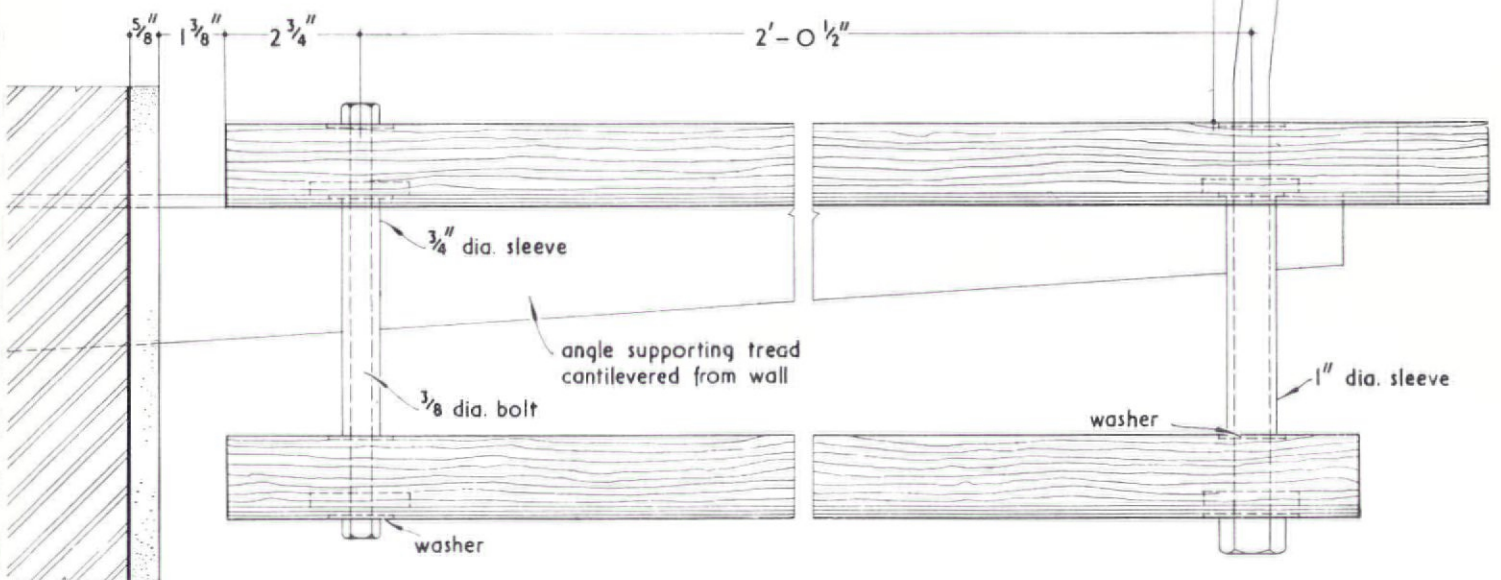
PLAN OF STAIRCASE
scale $\frac{1}{4}" = 1' - 0"$



PLAN OF TREAD. scale $\frac{3}{4}" = 1' - 0"$



LONGITUDINAL SECTION THROUGH STAIR scale $\frac{1}{4}$ full size

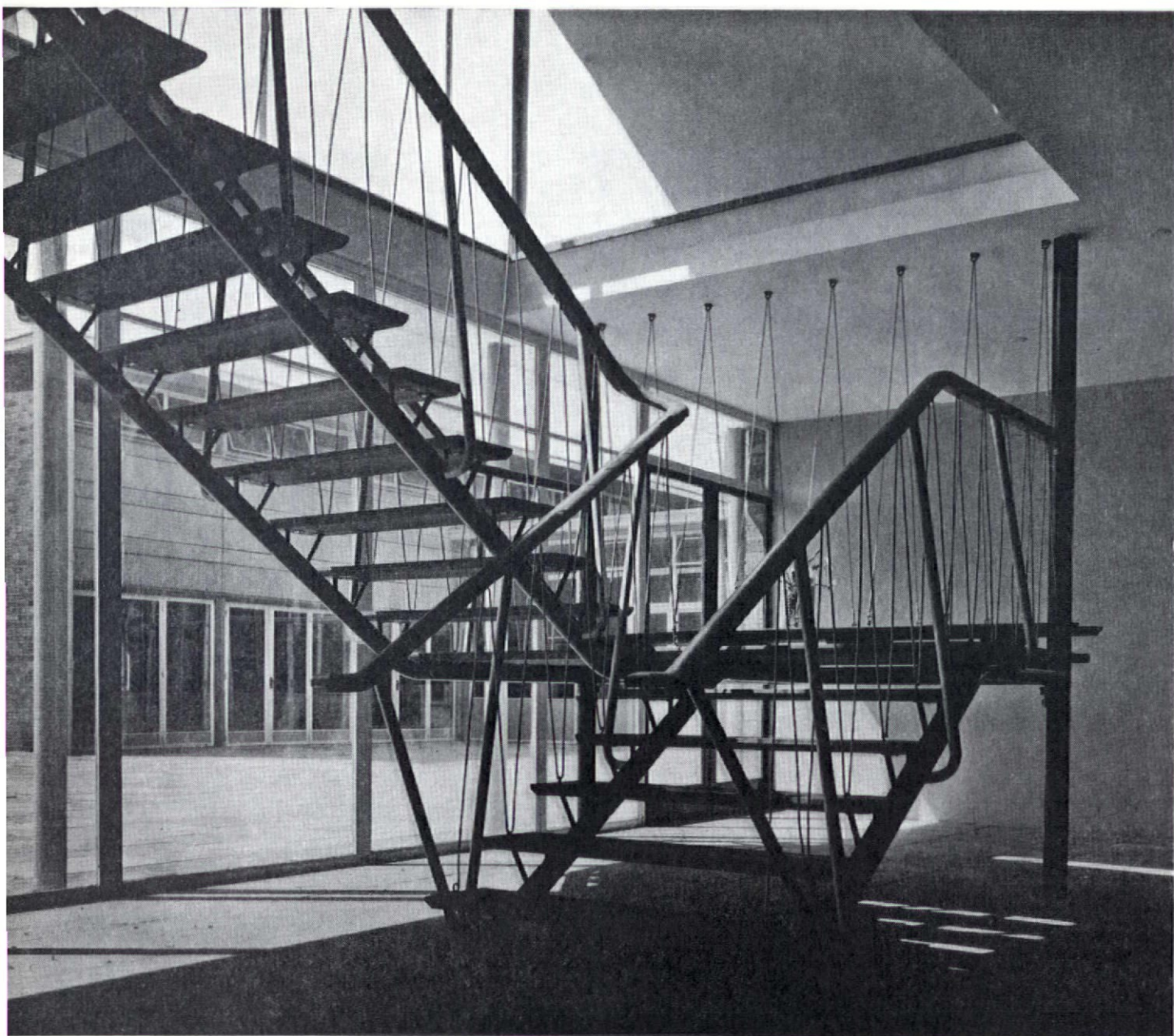


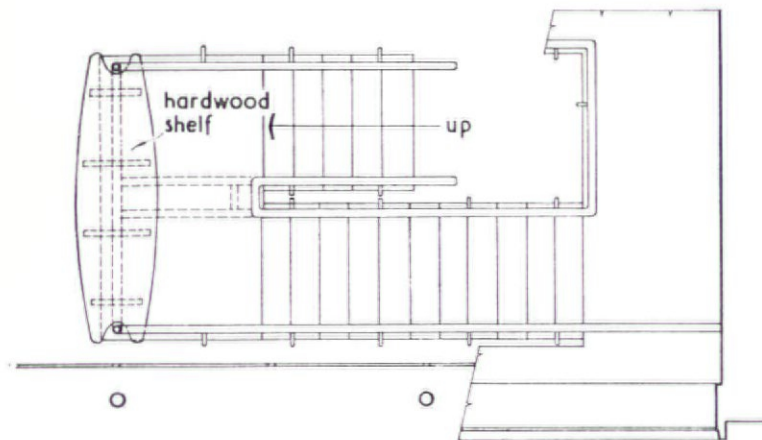
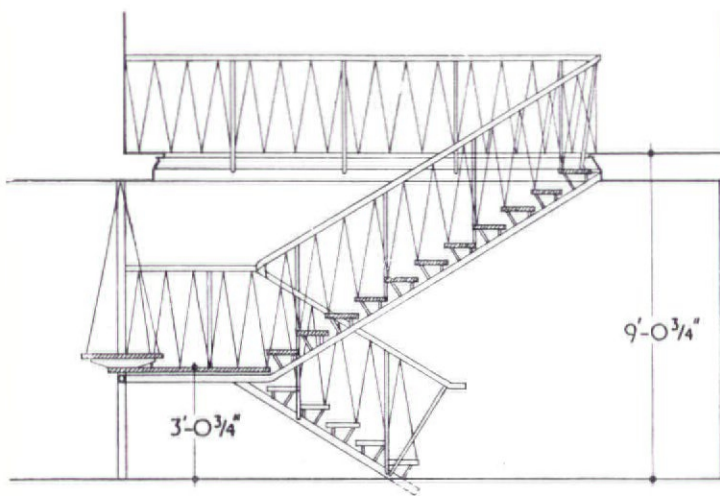
CROSS SECTION THROUGH STAIR. scale $\frac{1}{4}$ full size

HALL STAIRCASE: SCHOOL AT COVENTRY

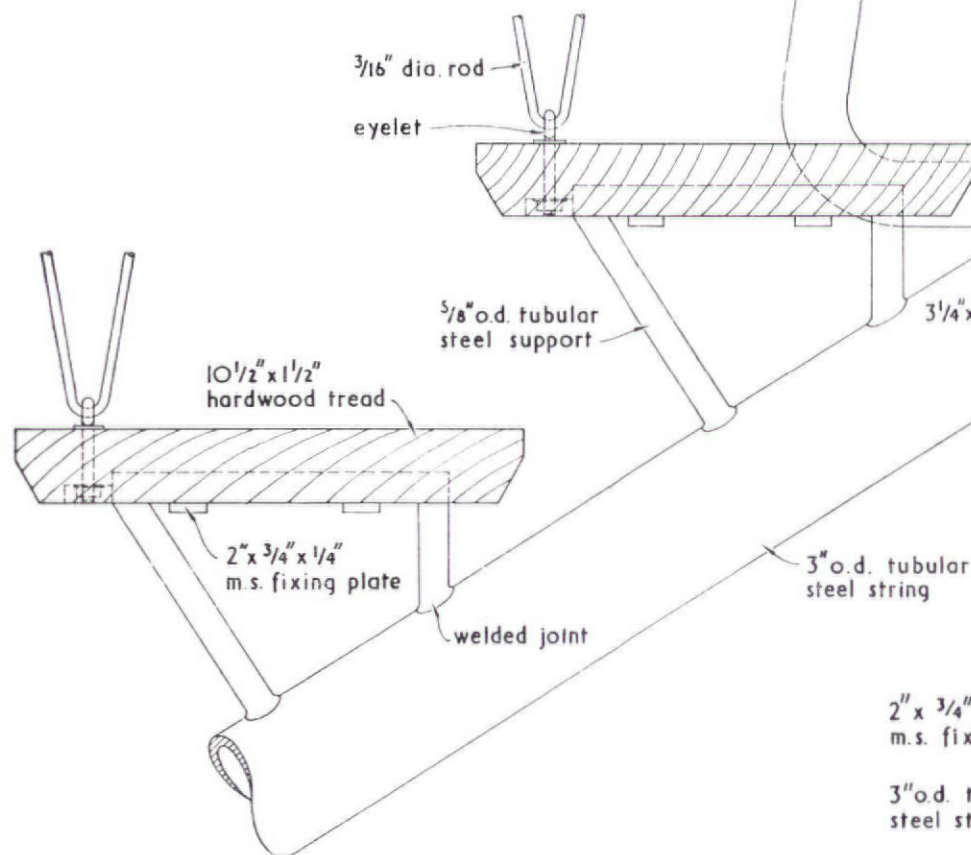
DESIGNED BY A. M. GEAR, THE LATE EDRIC NEEL AND RODNEY THOMAS

Tubular steel strings support the hardwood treads and landing. On the edge of the latter a shaped hardwood shelf is set between the two steel columns.

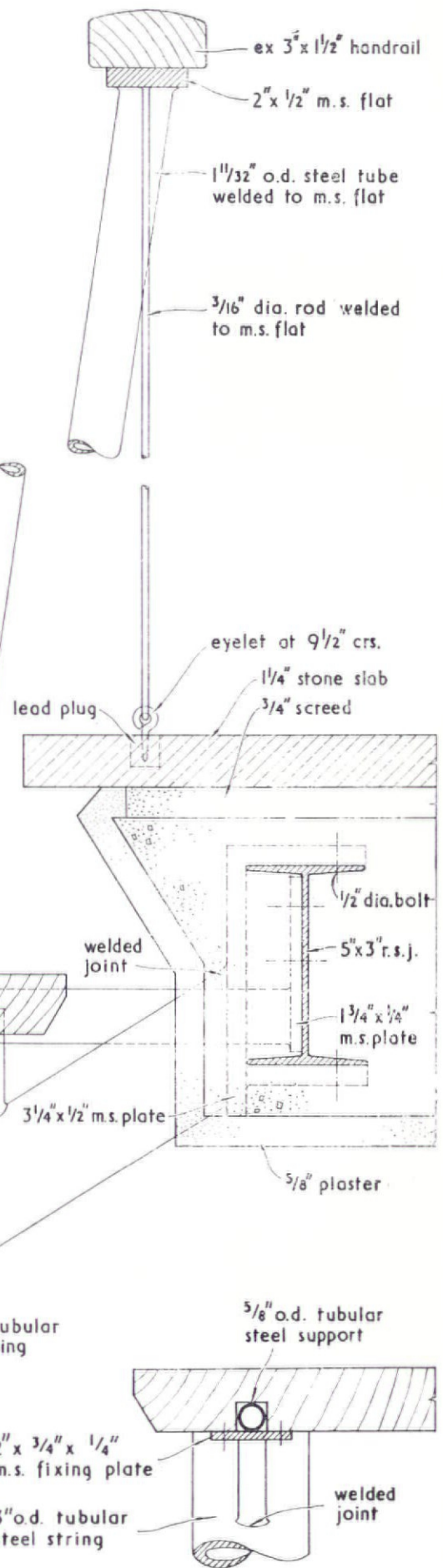




PLAN AND SECTION OF STAIRCASE.
scale $\frac{3}{16}" = 1'-0"$



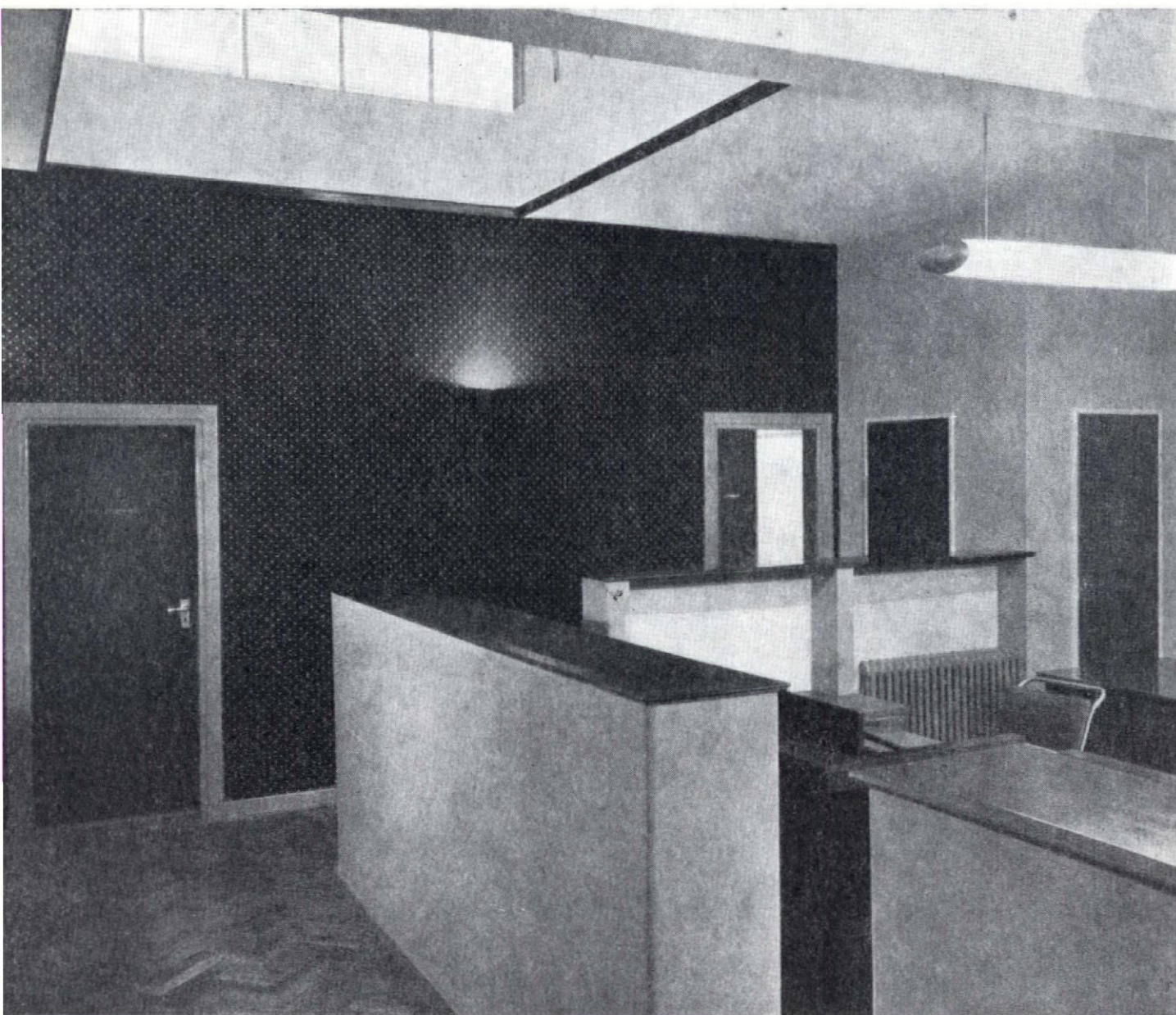
SECTION THRO' FIRST FLOOR LANDING. scale $\frac{1}{4}$ full size

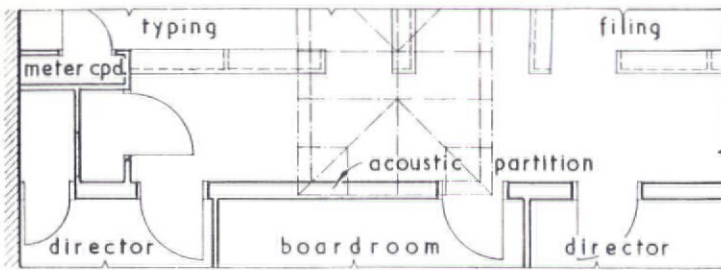


SECTION THRO' STRING. scale $\frac{1}{4}$ full size

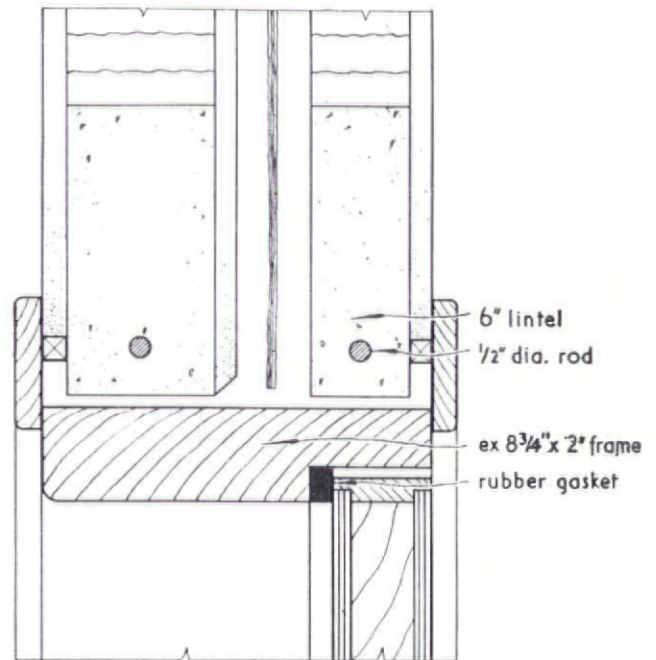
ACOUSTIC PARTITION: OFFICES IN LONDON, W.1
DESIGNED BY J. M. AUSTIN-SMITH AND PARTNER

The partition consists of two skins of breeze blocks with a layer of glass silk in the cavity between.

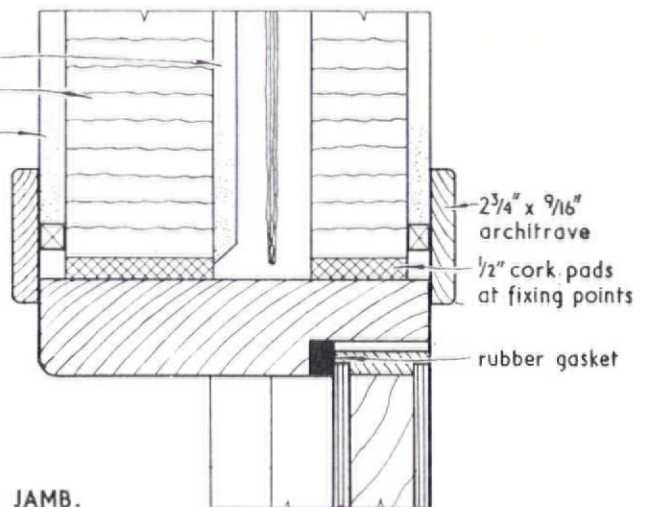




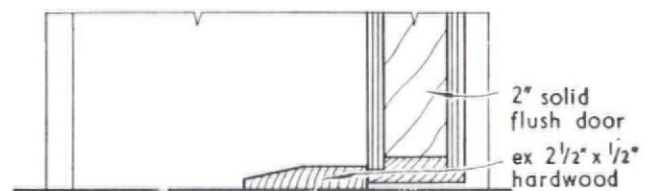
LAYOUT PLAN SHOWING ACOUSTIC PARTITION.
scale $\frac{1}{8}'' = 1'-0''$



HEAD.

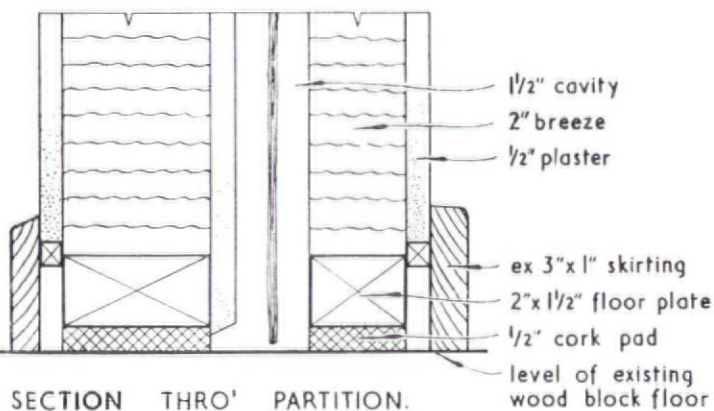
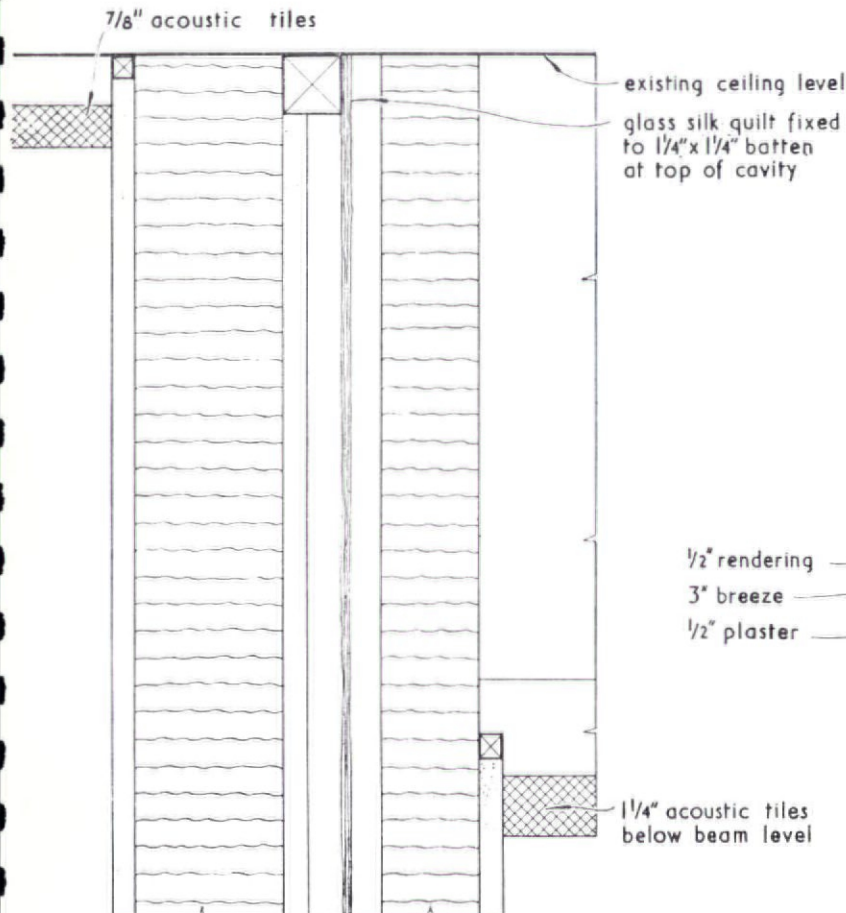


JAMB.



THRESHOLD

DETAILS OF DOOR.
scale $\frac{1}{4}$ full size



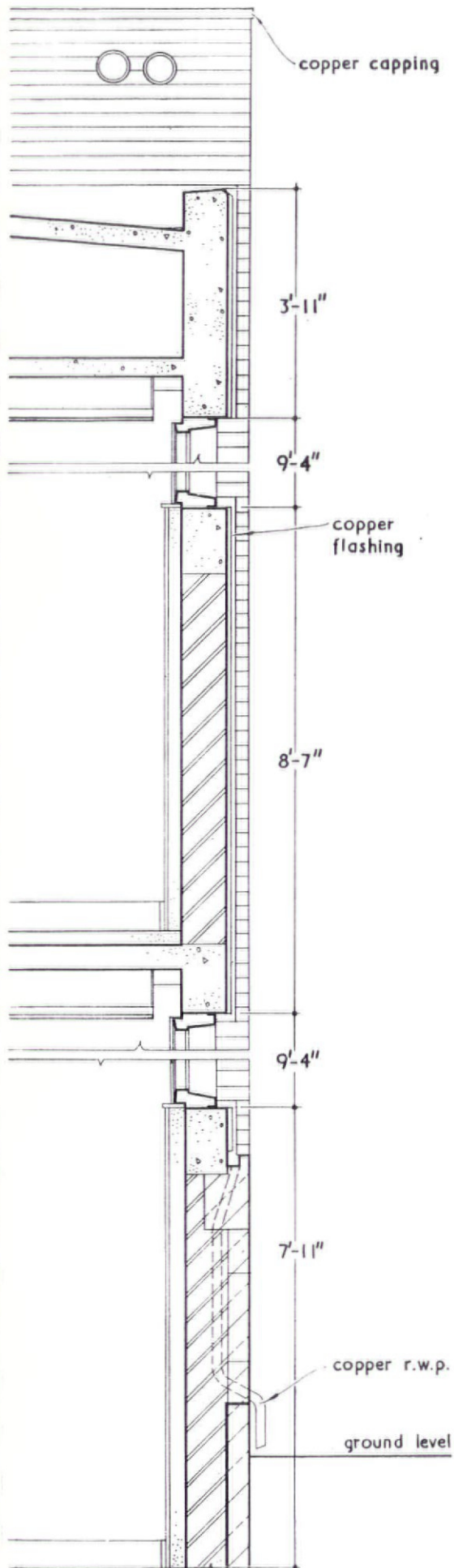
SECTION THRO' PARTITION.
scale $\frac{1}{4}$ full size

COPPER-FACED WALL: EXTENSIONS TO UNIVERSITY OF DURHAM

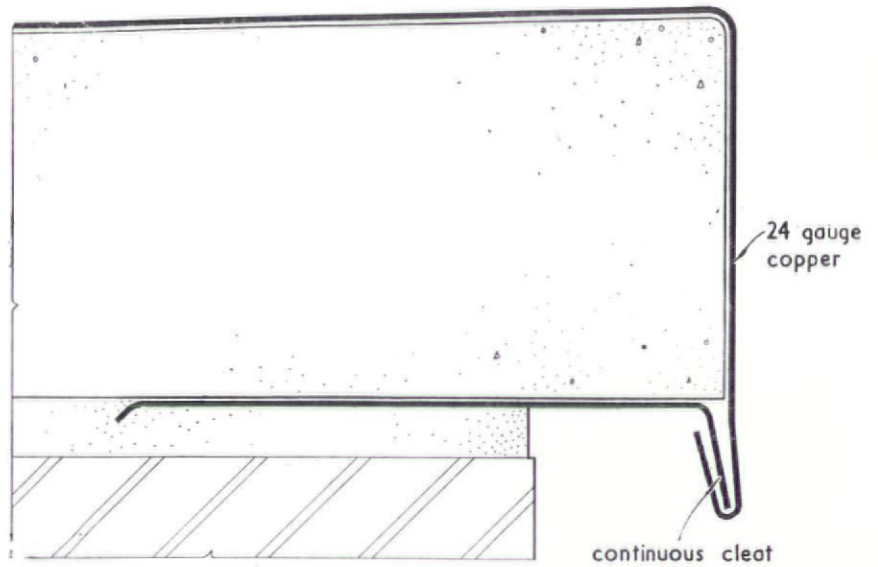
DESIGNED BY J. S. ALLEN; OSCAR FABER AND PARTNERS (consulting engineers)

A copper-lined gutter behind the top of the plinth collects any rain water from the sheeting.

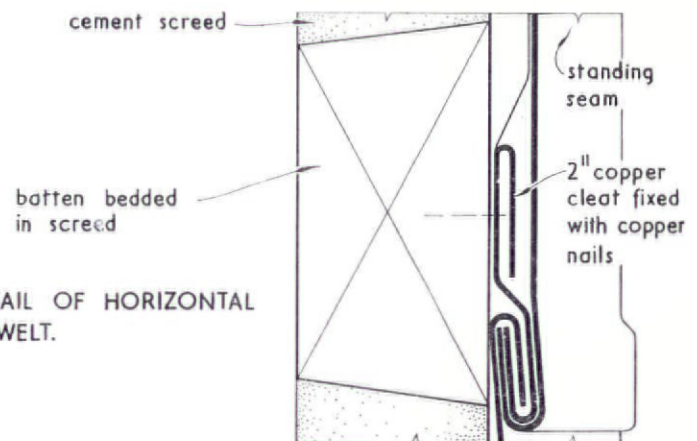




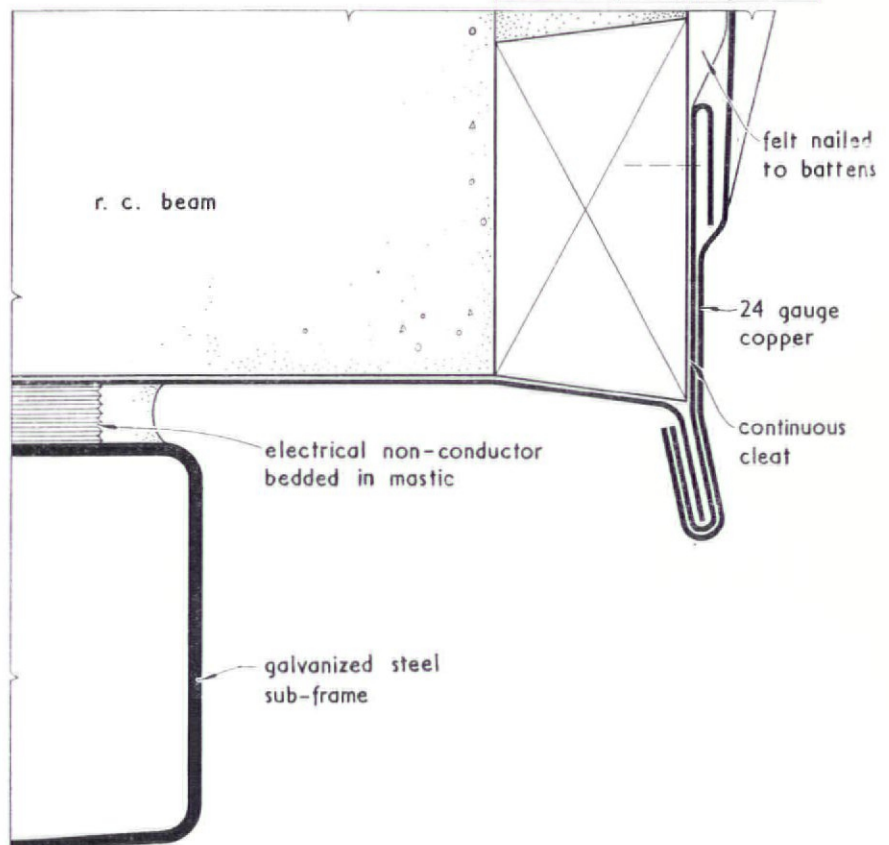
VERTICAL SECTION. scale $\frac{3}{8}'' = 1' - 0''$



FULL SIZE DETAIL OF COPING.



FULL SIZE DETAIL OF HORIZONTAL SINGLE-LOCK WELT.

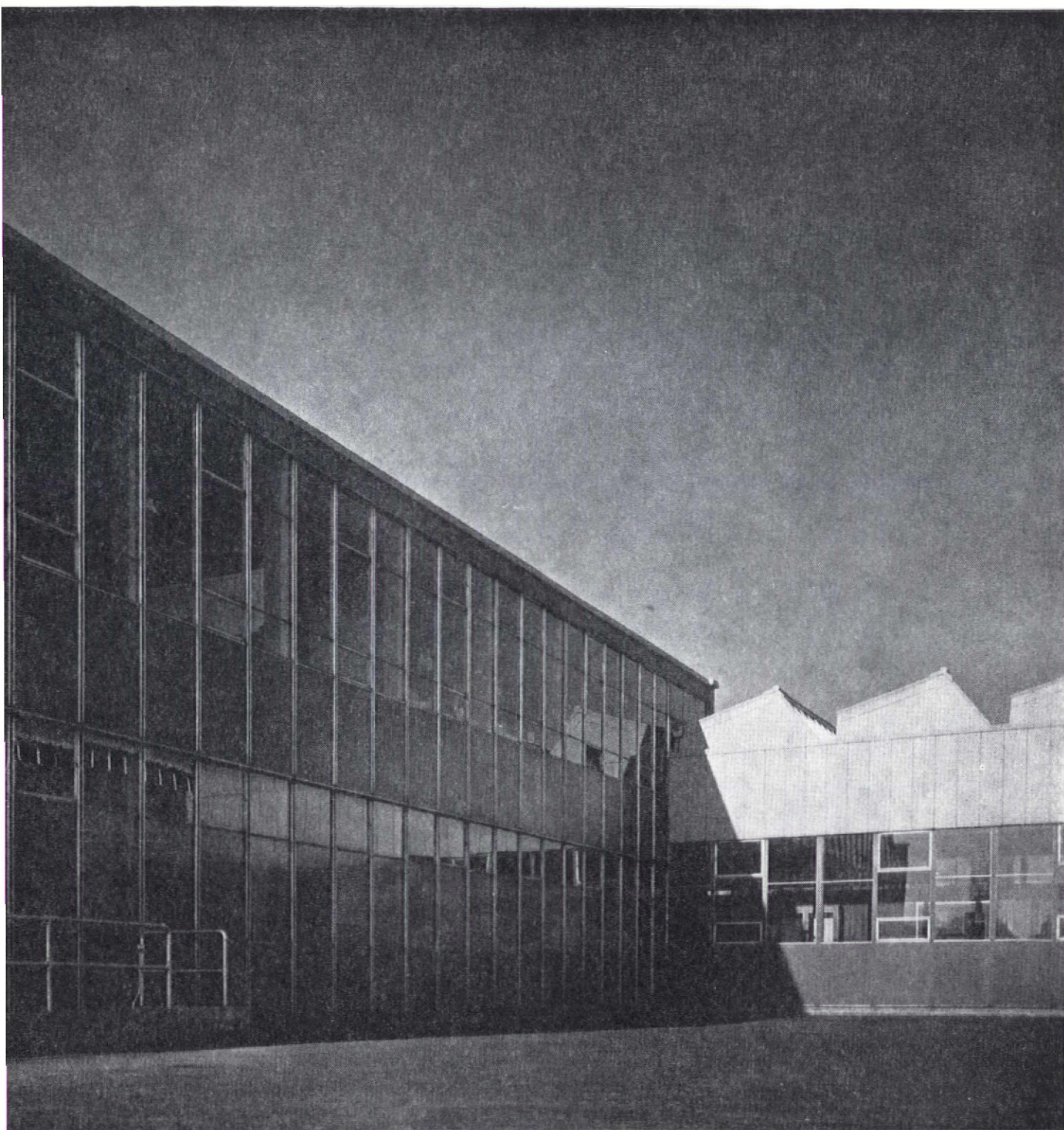


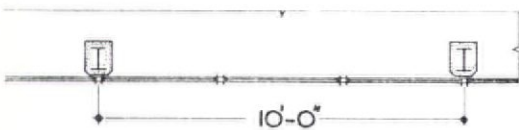
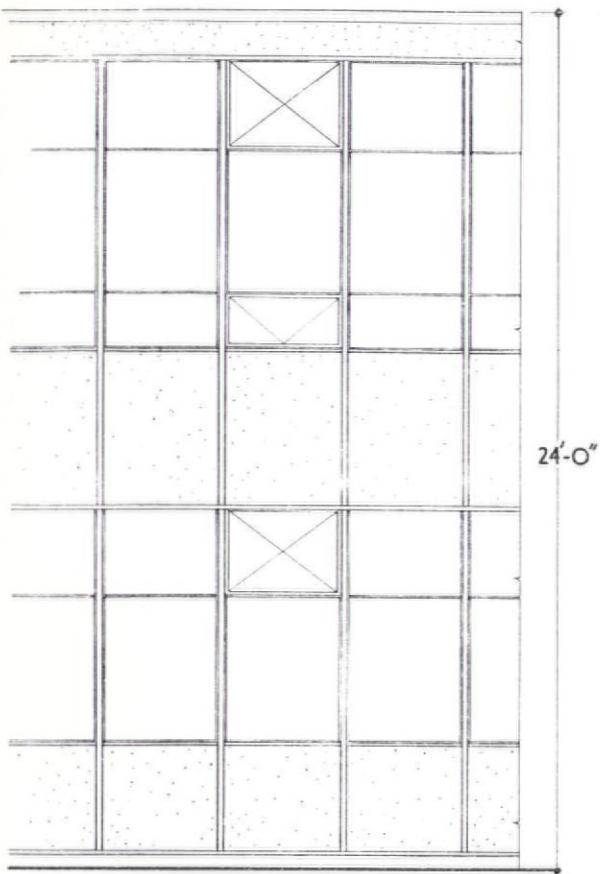
FULL SIZE DETAIL AT HEAD OF WINDOW.

GLAZED PANEL WALL: TECHNICAL COLLEGE AT FOLKESTONE

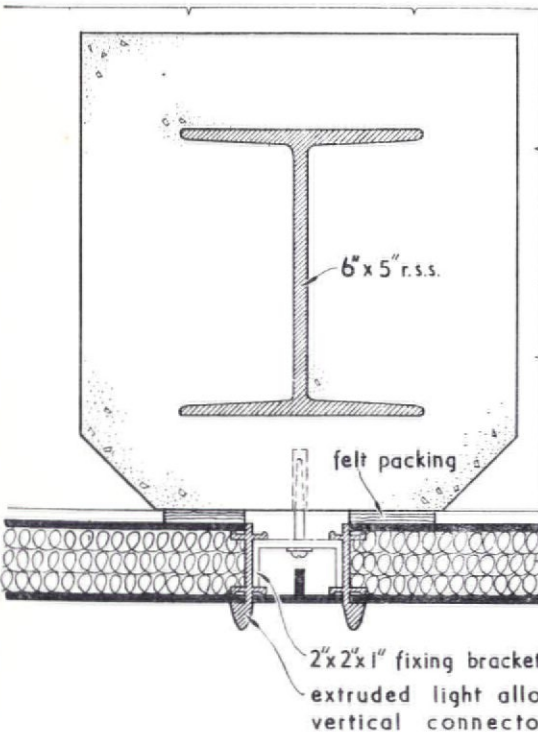
DESIGNED BY S. H. LOWETH (architect to the Kent County Council); J. H. GARNHAM WRIGHT (architect-in-charge);
W. A. SHIRBON (executive assistant)

*Pairs of light alloy connectors form the mullions
which run the full height of the wall and support
the plastic infilling panels and windows.*

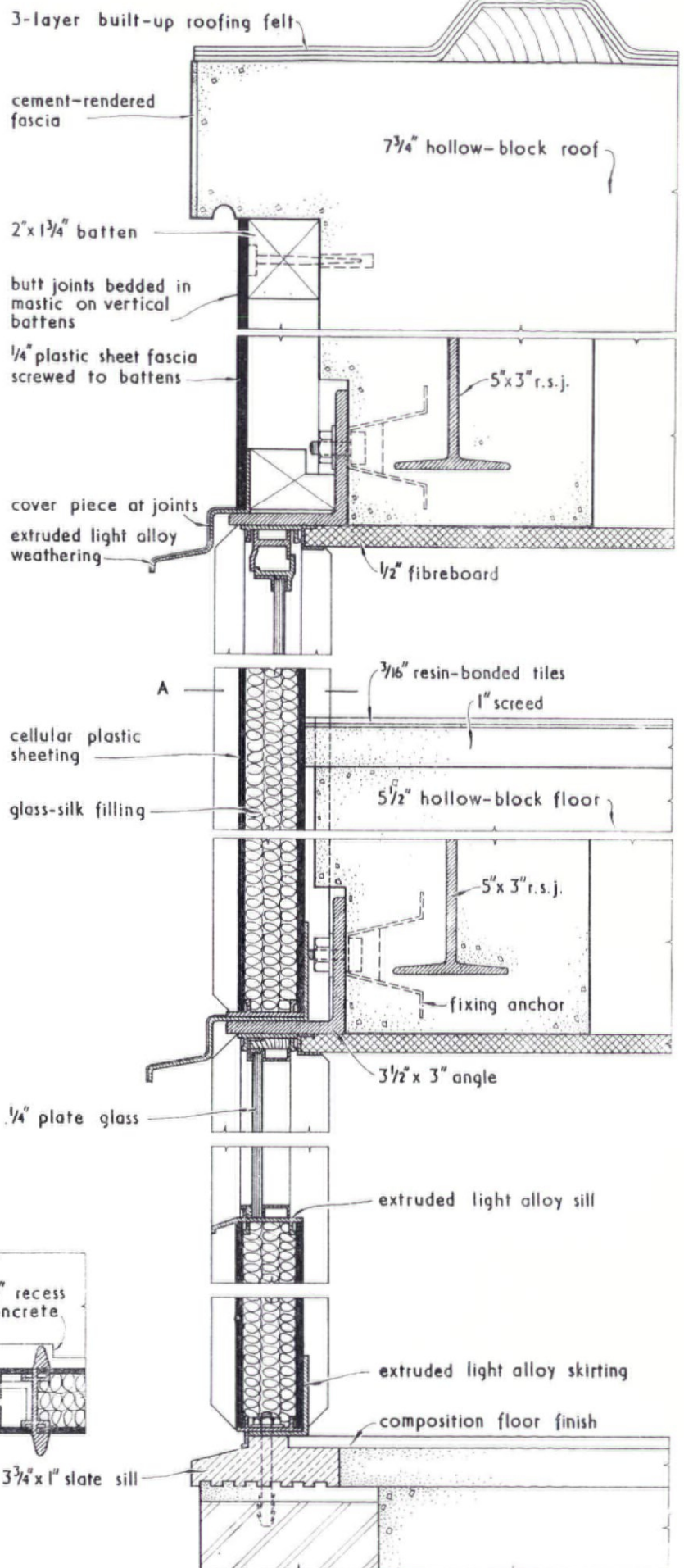




PLAN AND ELEVATION OF CURTAIN WALL. scale $\frac{3}{16}'' = 1'-0''$



PLAN AT A. scale $\frac{1}{4}$ full size

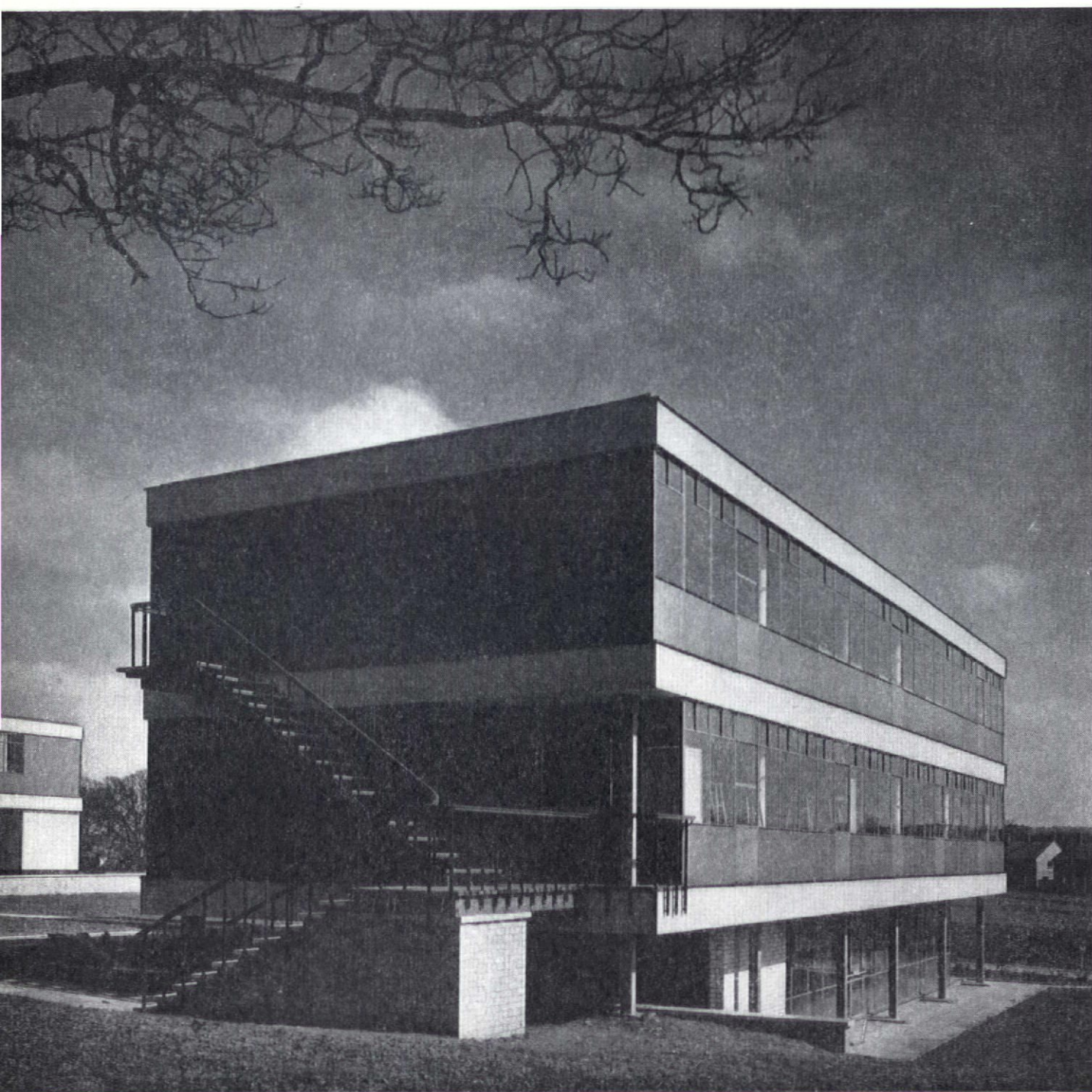


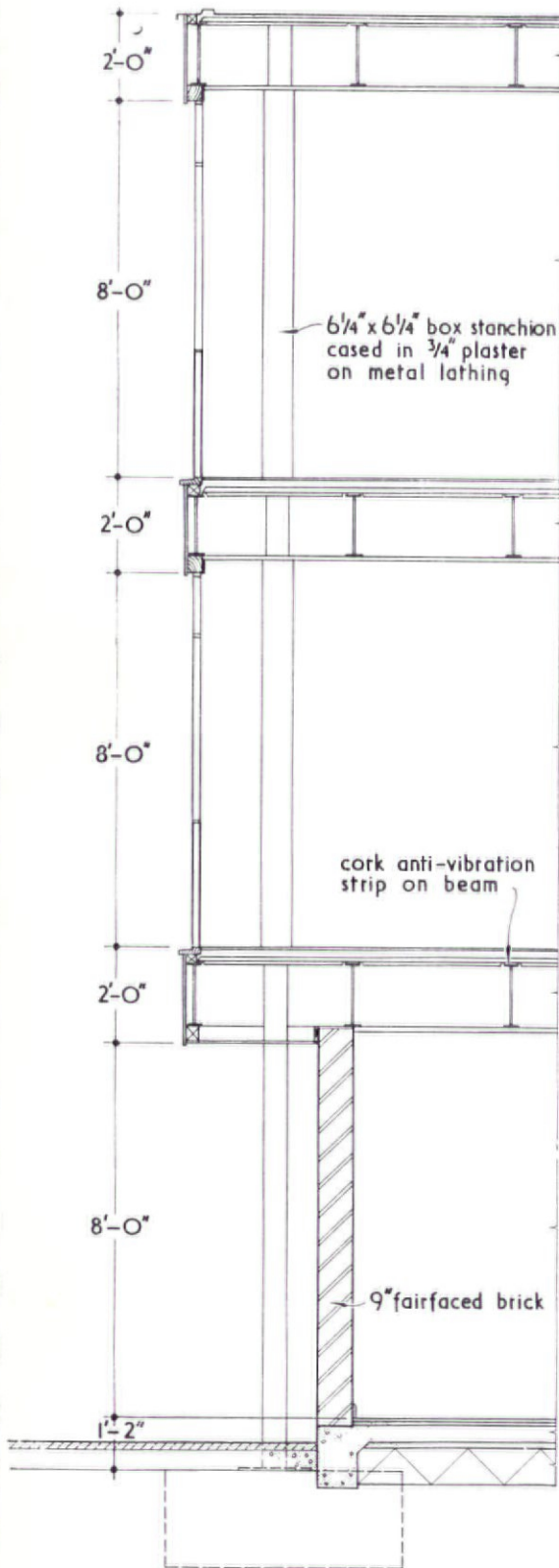
SECTION THRO' WALL. scale $\frac{1}{4}$ full size

GLAZED PANEL WALL: SCHOOL AT OXHEY

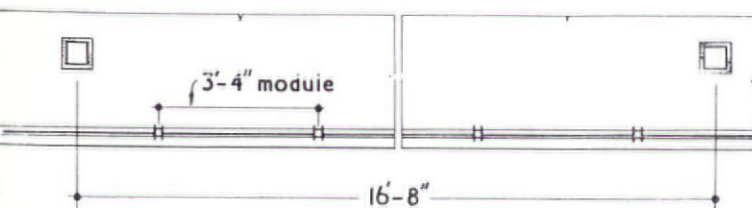
DESIGNED BY C. H. ASLIN (architect to the Hertfordshire County Council);
R. A. DE YARBURGH-BATESON (architect-in-charge)

*The walls, built clear of the stanchions, are
composed of glass and cellular plastic sheeting in
light alloy frames.*

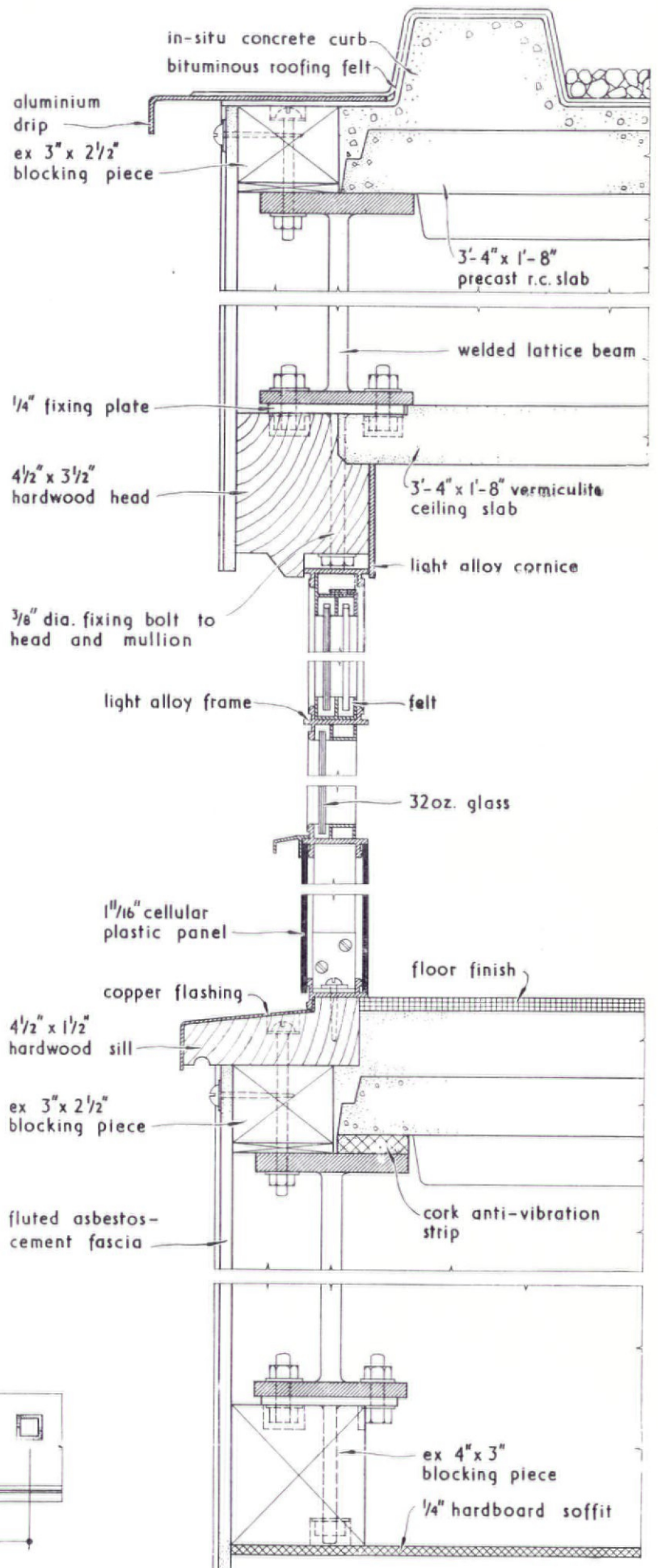




KEY SECTION. scale 1/4" = 1'-0"



PLAN OF BAY. scale 1/4" = 1'-0"

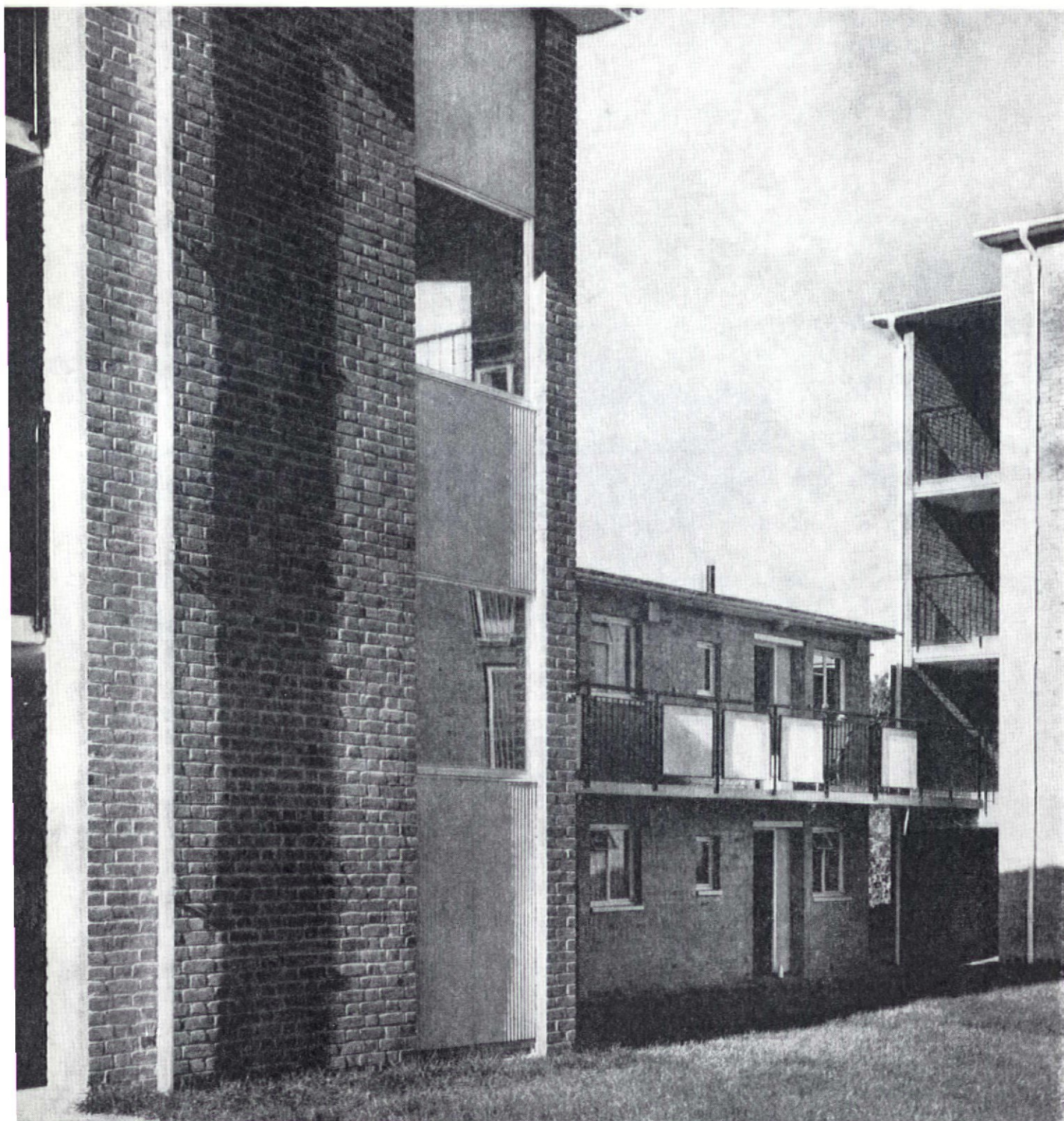


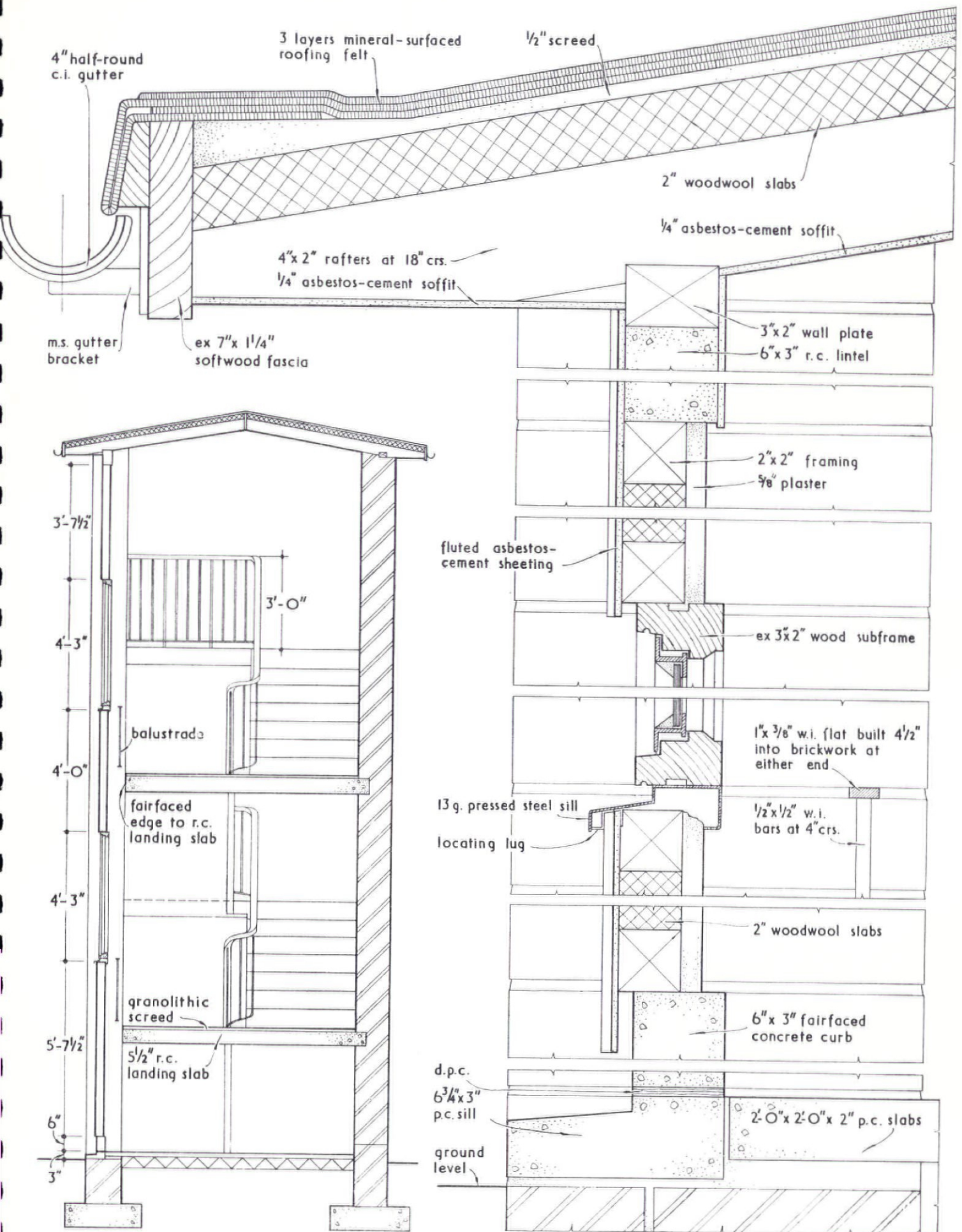
SECTION THRO' GLAZING. scale 1/4 full size

GLAZED PANEL WALL: FLATS AT HATFIELD

DESIGNED BY LIONEL BRETT AND KENNETH BOYD

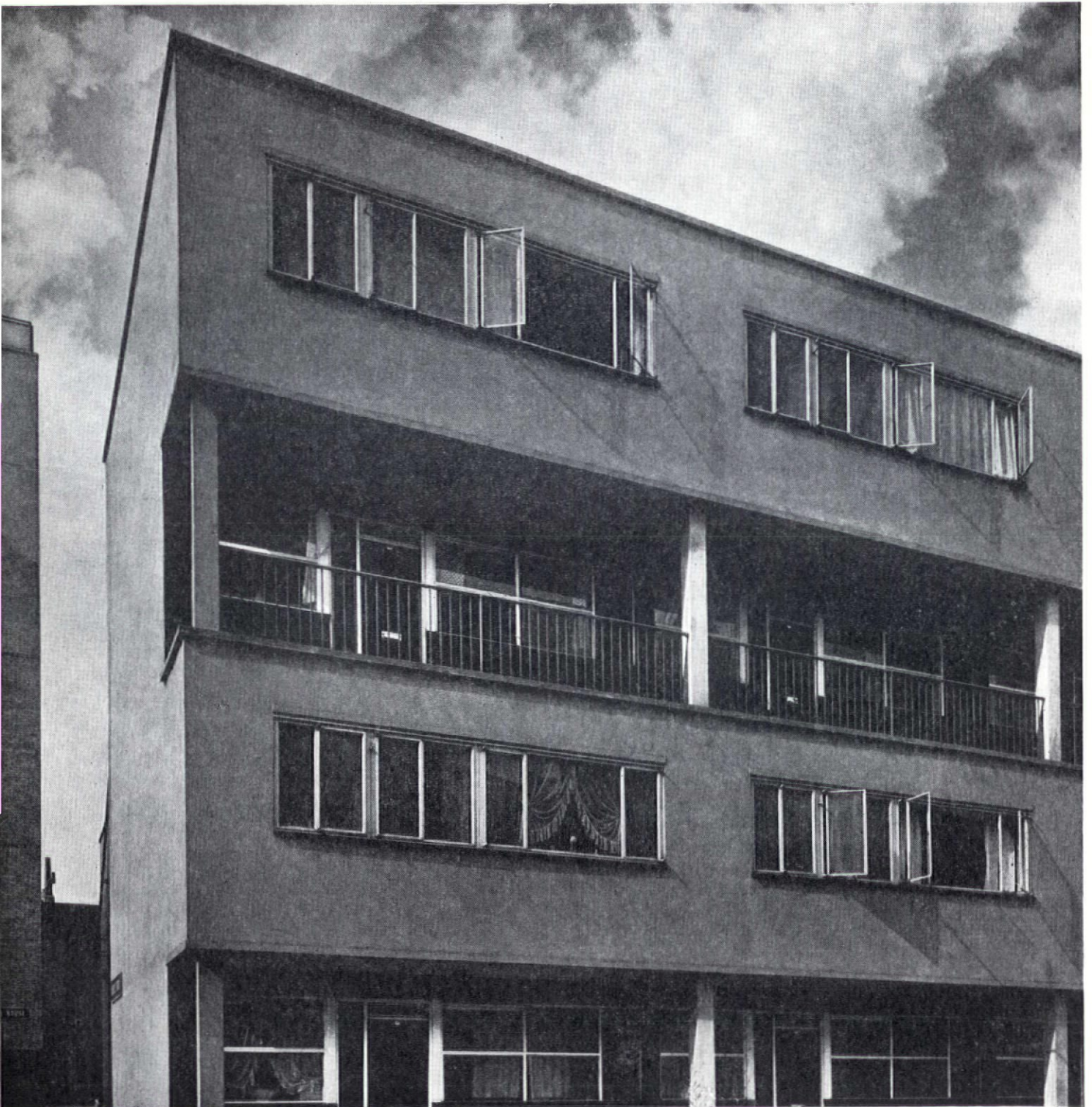
The panel wall, faced externally with fluted asbestos-cement sheeting, is of lightweight construction and has no contact with the edge of the stairs and landings



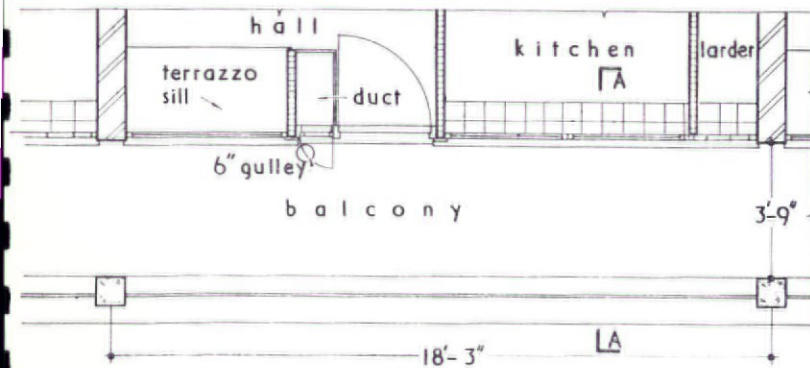
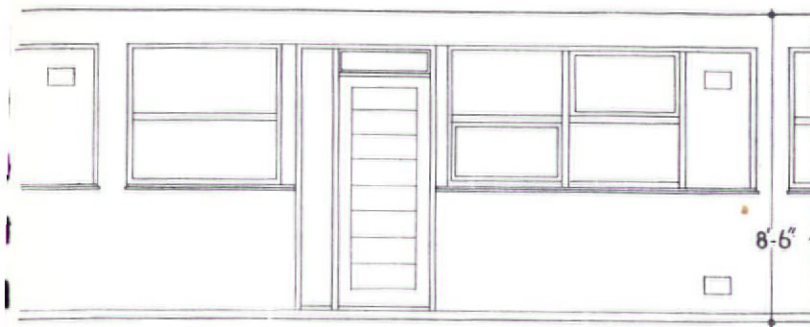


WALL AND BALCONIES: MAISONNETTES IN LONDON, S.W.1 DESIGNED BY POWELL AND MOYA

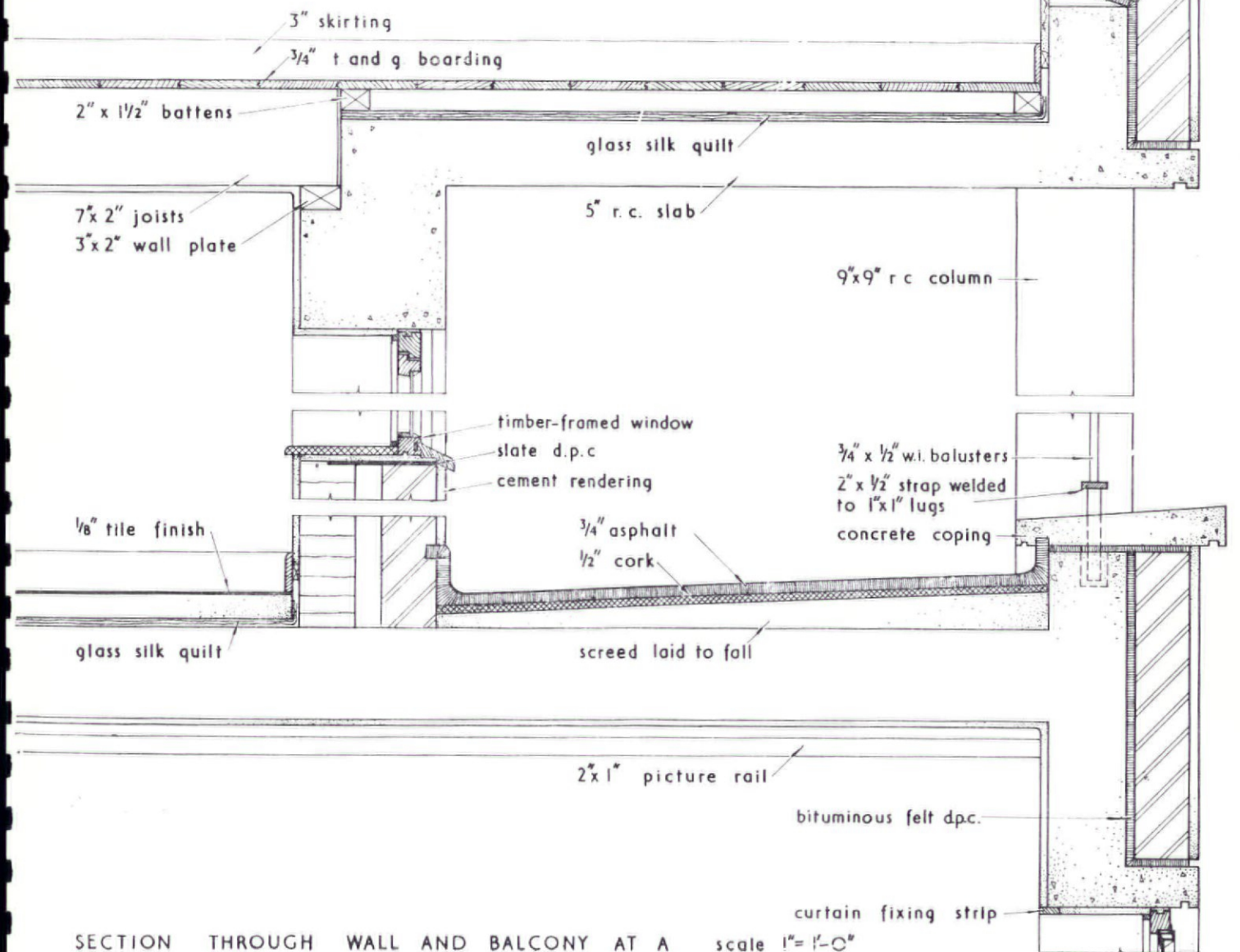
Reinforced concrete slabs, connected by columns, form the top and bottom of the balconies, the latter being a continuation of the floor which divides the upper maisonettes from the lower ones



WALLS AND PARTITIONS



PLAN AND ELEVATION AT BALCONY scale $\frac{3}{16}'' = 1'-0''$



SECTION THROUGH WALL AND BALCONY AT A scale $1'' = 1'-0''$

WALLS AND PARTITIONS

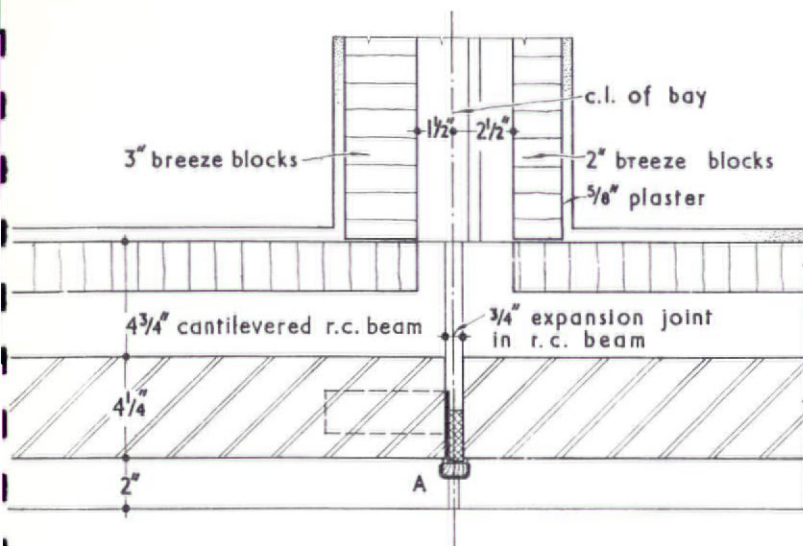
EXPANSION JOINT: FLATS AT ILFORD, ESSEX

DESIGNED BY L. E. J. REYNOLDS (Borough Engineer and Surveyor); H. B. N. NIXON (senior assistant architect); R. C. EDLESTON (assistant architect-in-charge)

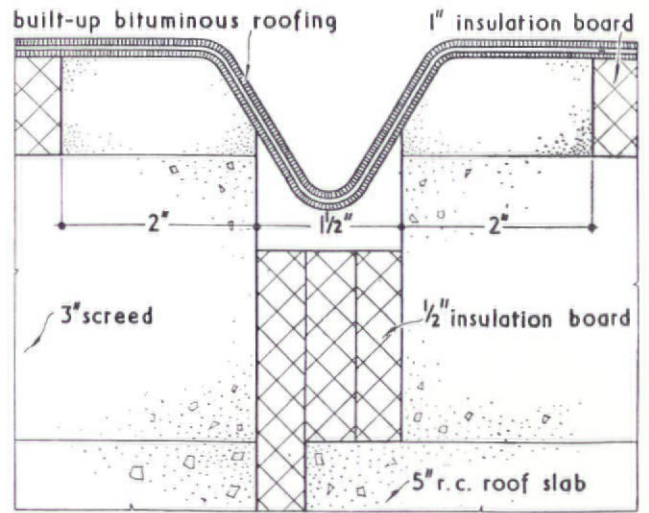
The expansion joint is clearly visible in the brickwork between the windows and continues through the mullion



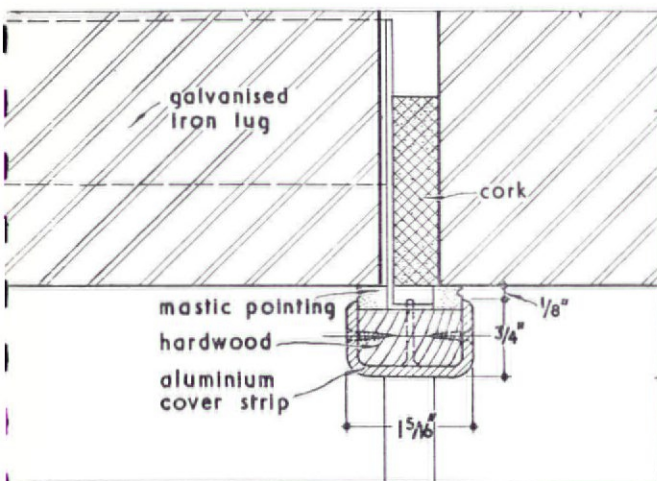
WALLS AND PARTITIONS



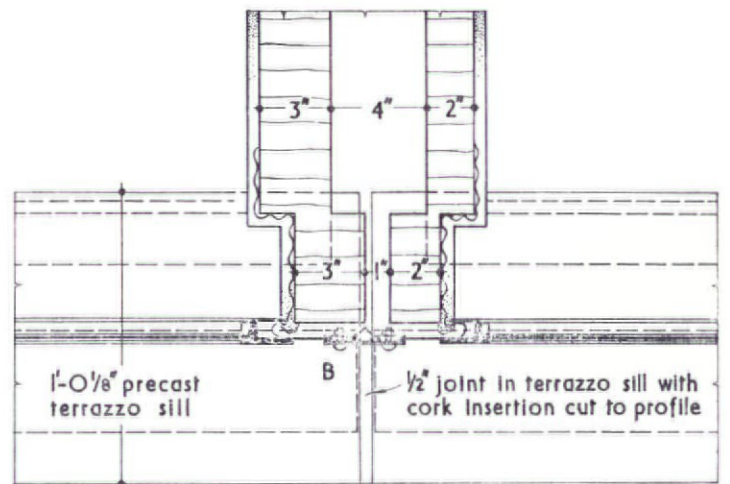
scale 1 1/2" = 1'-0"



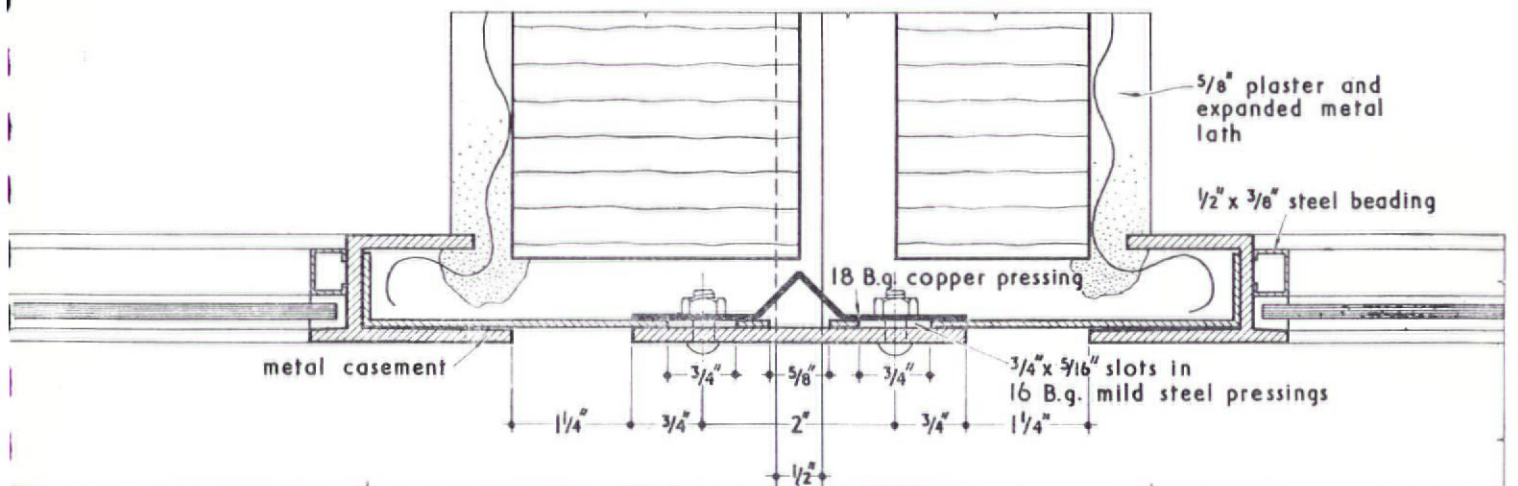
DETAIL AT ROOF. scale 1/2 full size



detail at A scale 1/2 full size
EXPANSION JOINT AT WALL PANEL.



scale 1 1/2" = 1'-0"



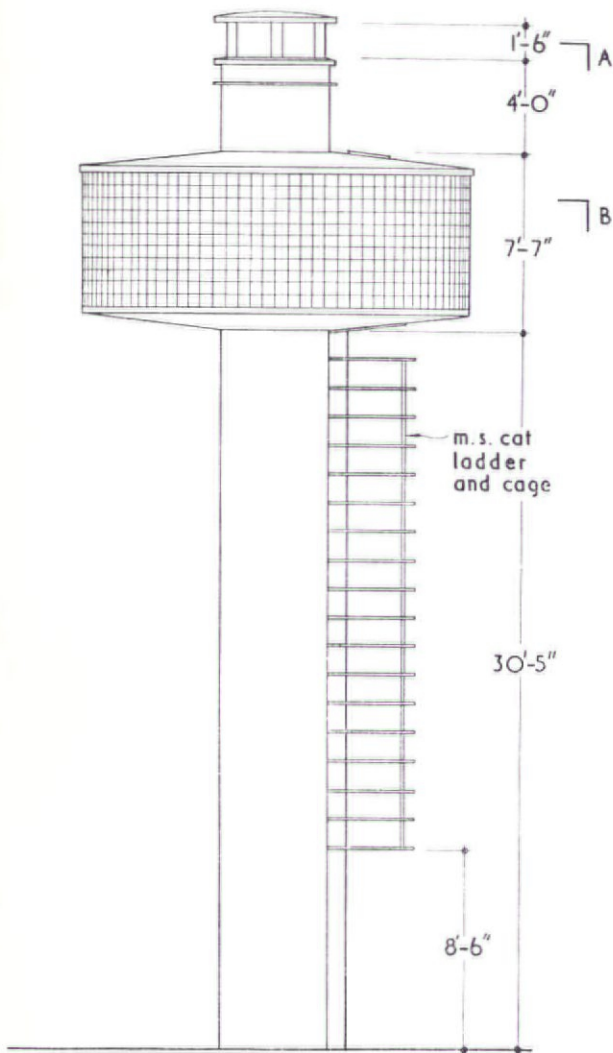
detail at B scale 1/2 full size
EXPANSION JOINT AT MULLION.

CHIMNEY STACK AND WATER TANK: SCHOOL AT OLDBURY, WORCESTER

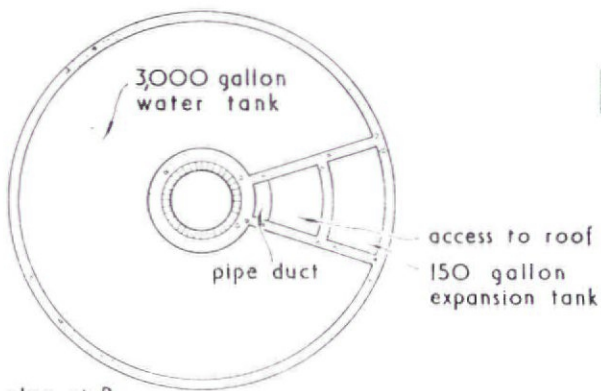
DESIGNED BY F. R. S. YORKE, E. ROSENBERG AND C. S. MARDALL
IN ASSOCIATION WITH F. W. B. YORKE AND H. M. BARKER

*The stack and tank are of concrete construction
and the outside of the latter is faced with 6 in. by 6 in.
frostproof tiles*



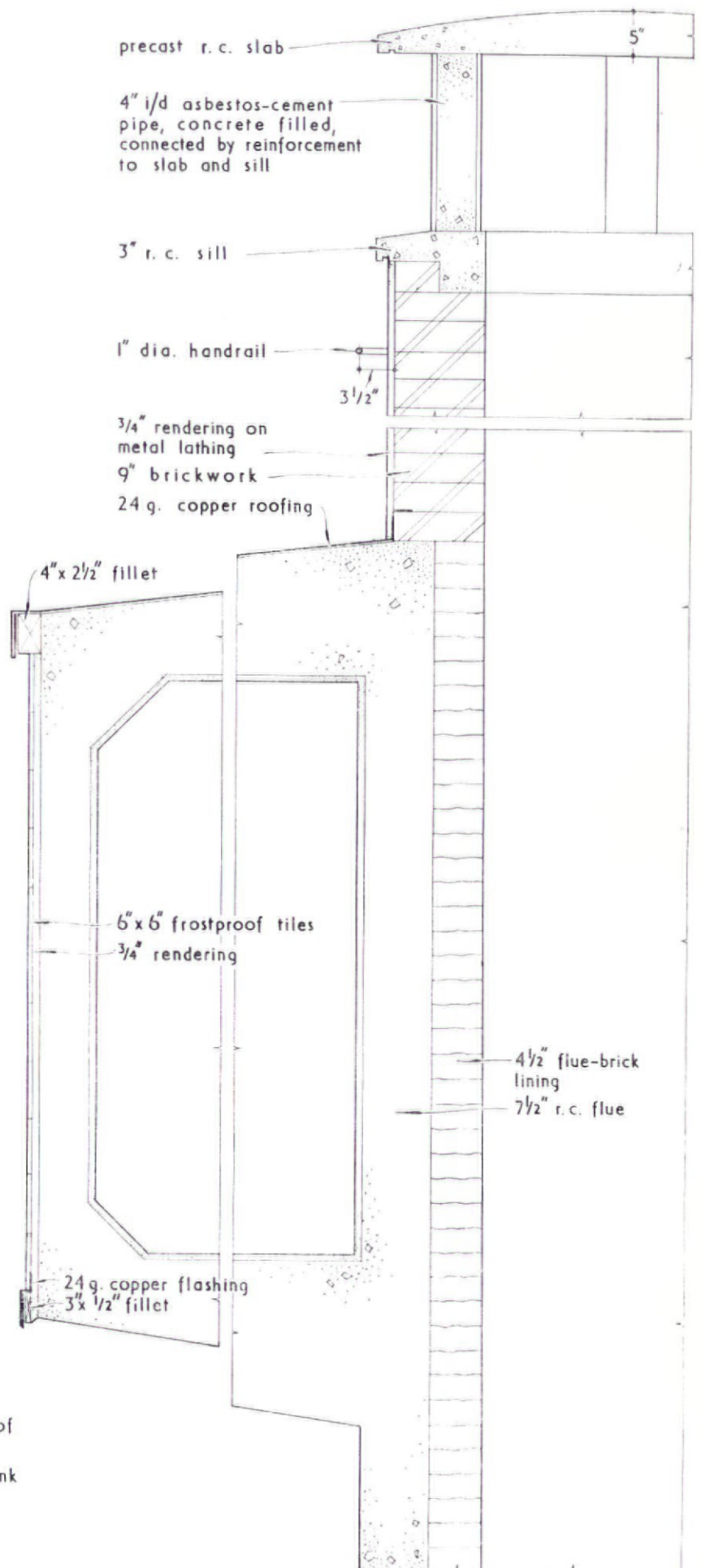


plan at A



plan at B

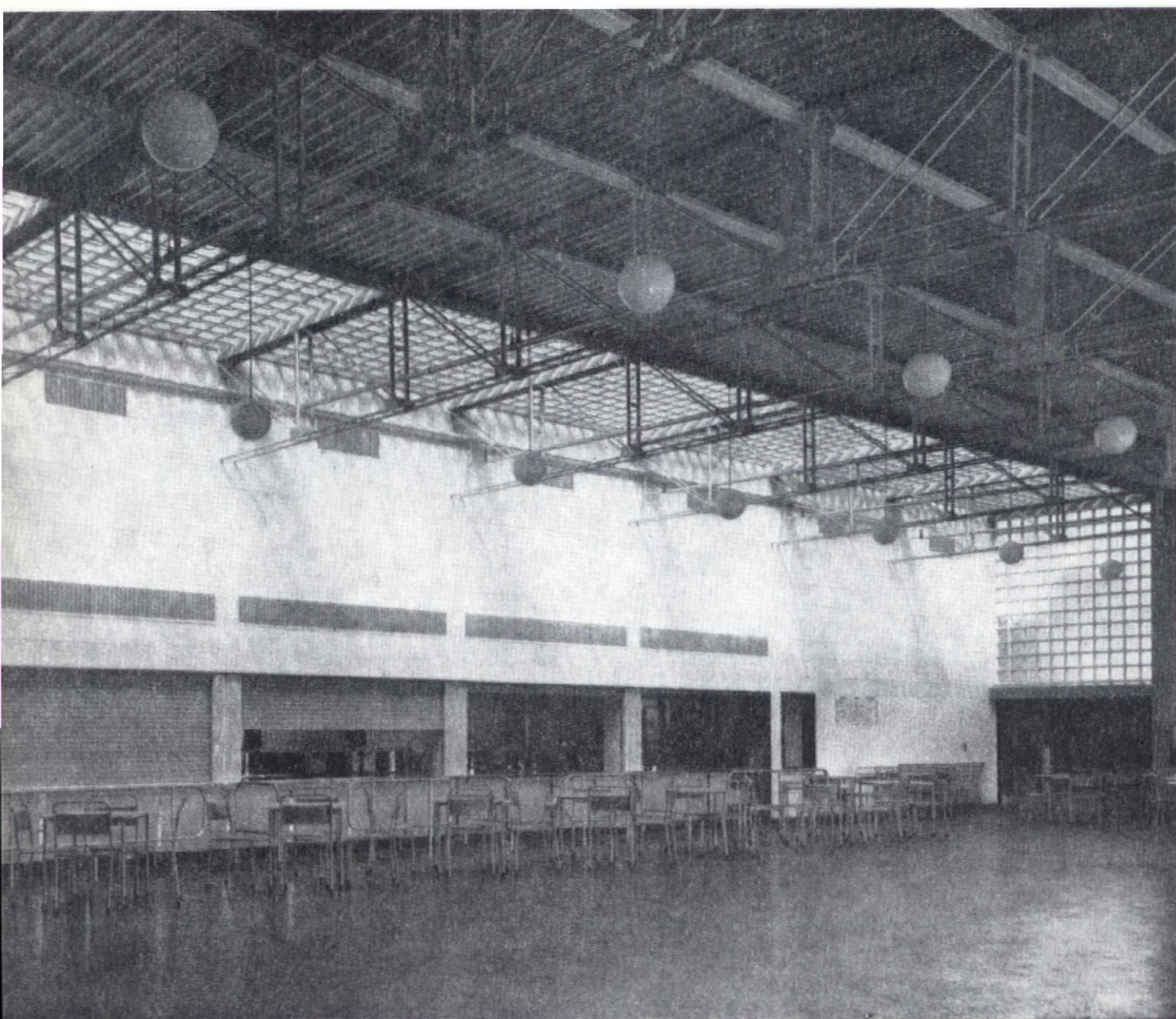
PLANS AND ELEVATION. scale $\frac{1}{8}" = 1'-0"$

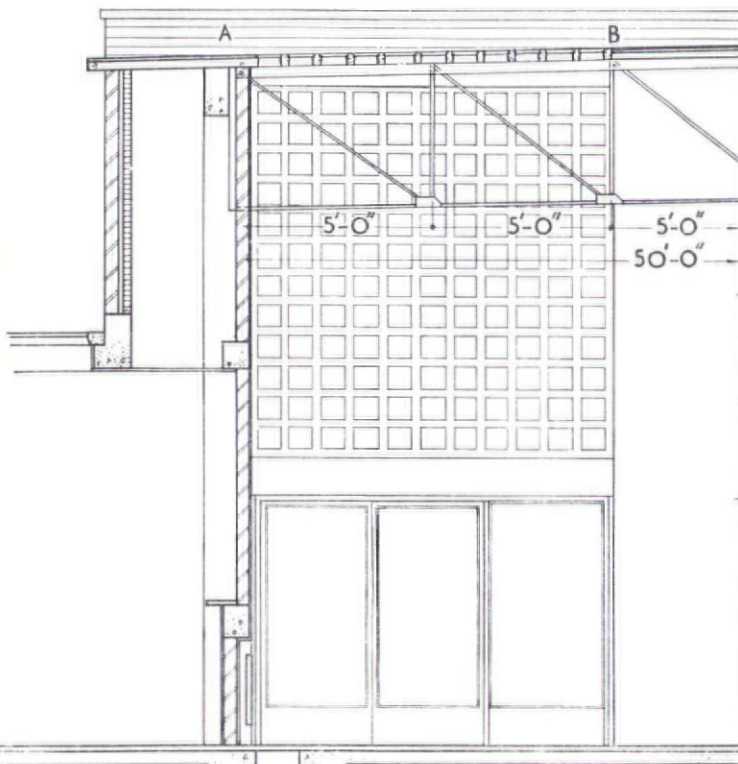


SECTION THRO' TANK. scale $\frac{3}{4}" = 1'-0"$

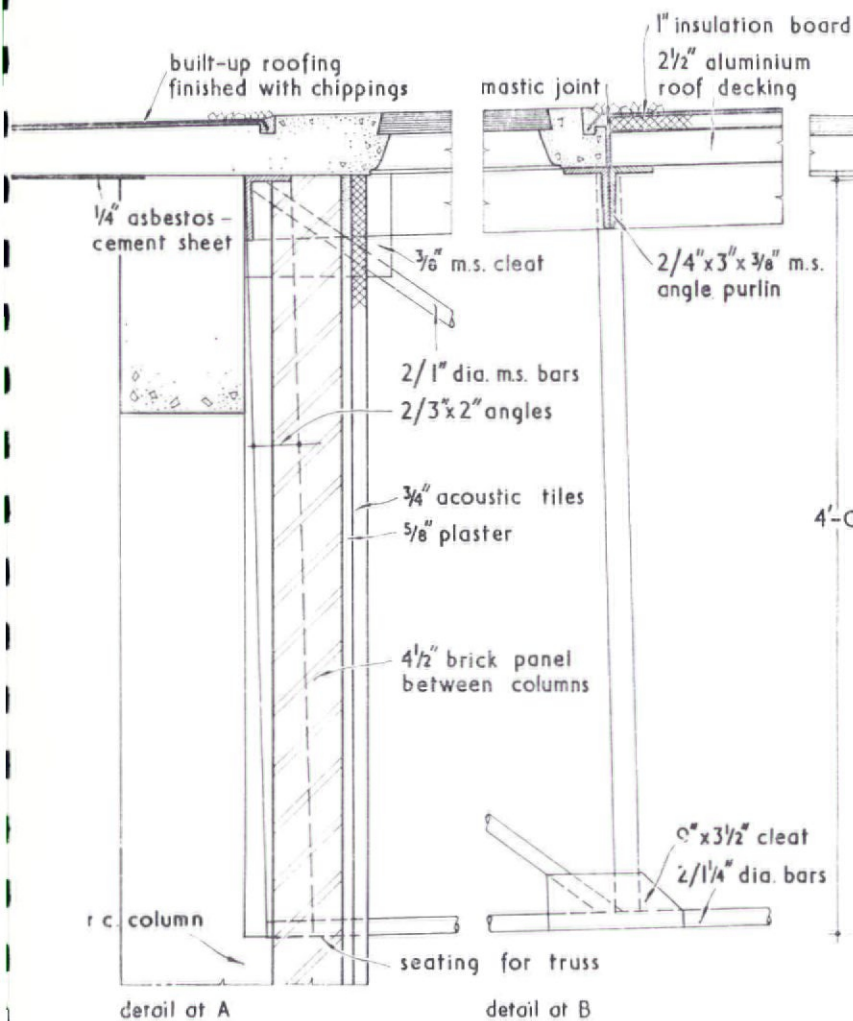
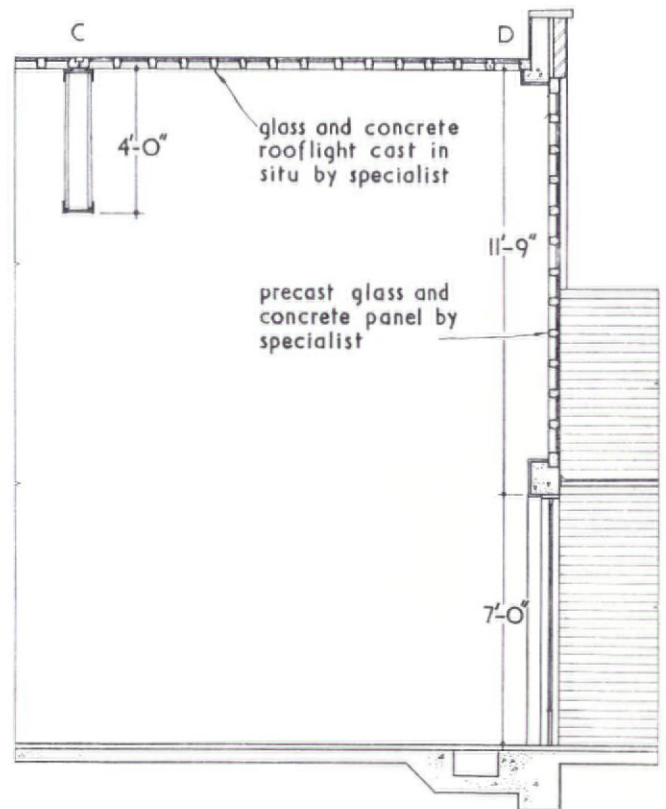
ROOF: CANTEEN AND RECREATION CENTRE IN LONDON, E.3
DESIGNED BY ELIE MAYORCAS

*The aluminium roof deck has a wide strip of glass-
and-concrete lights above the canteen servery*

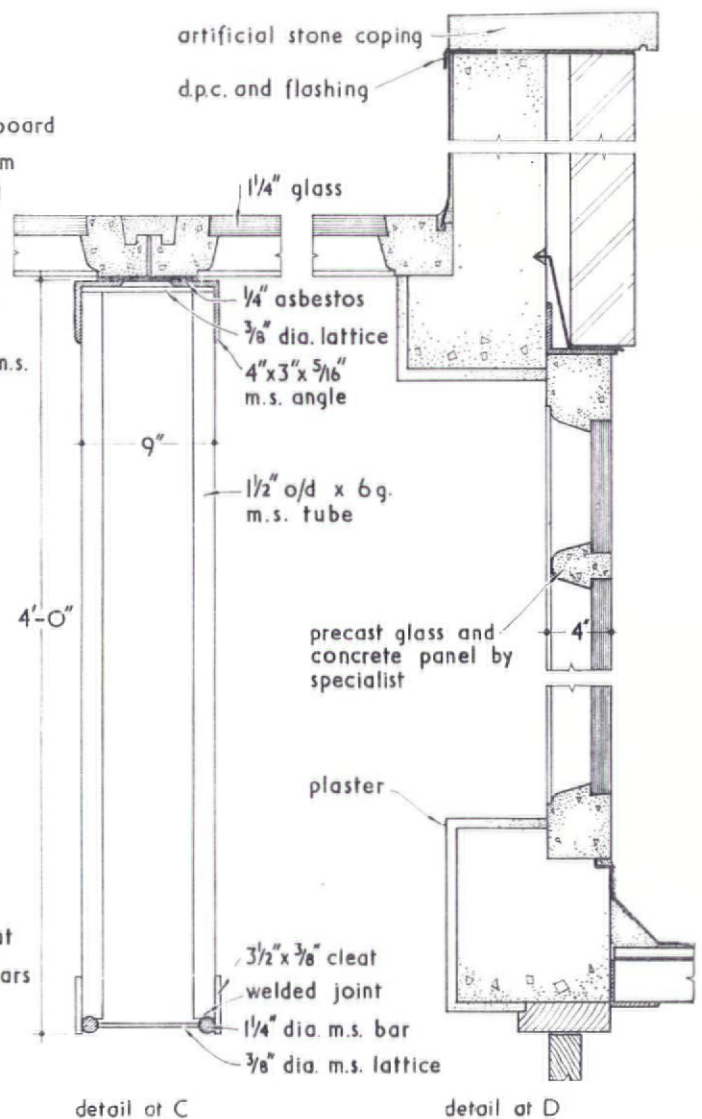




SECTIONS THROUGH CANTEEN. scale $\frac{3}{16}'' = 1'-0''$



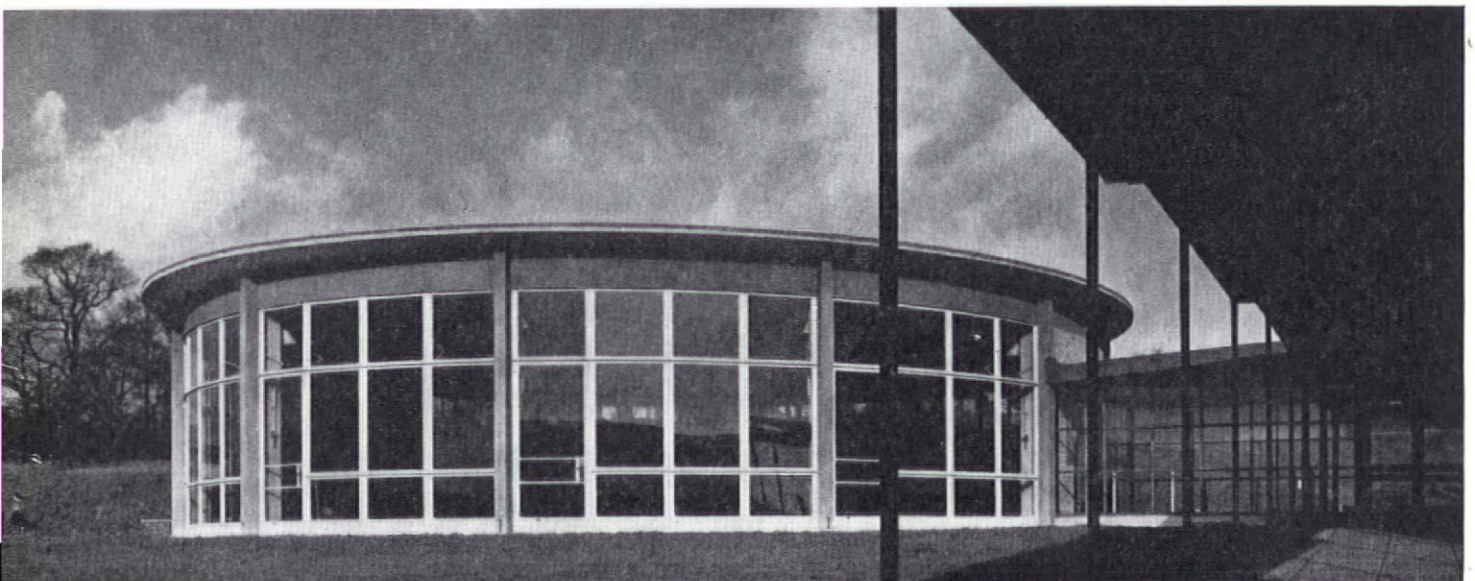
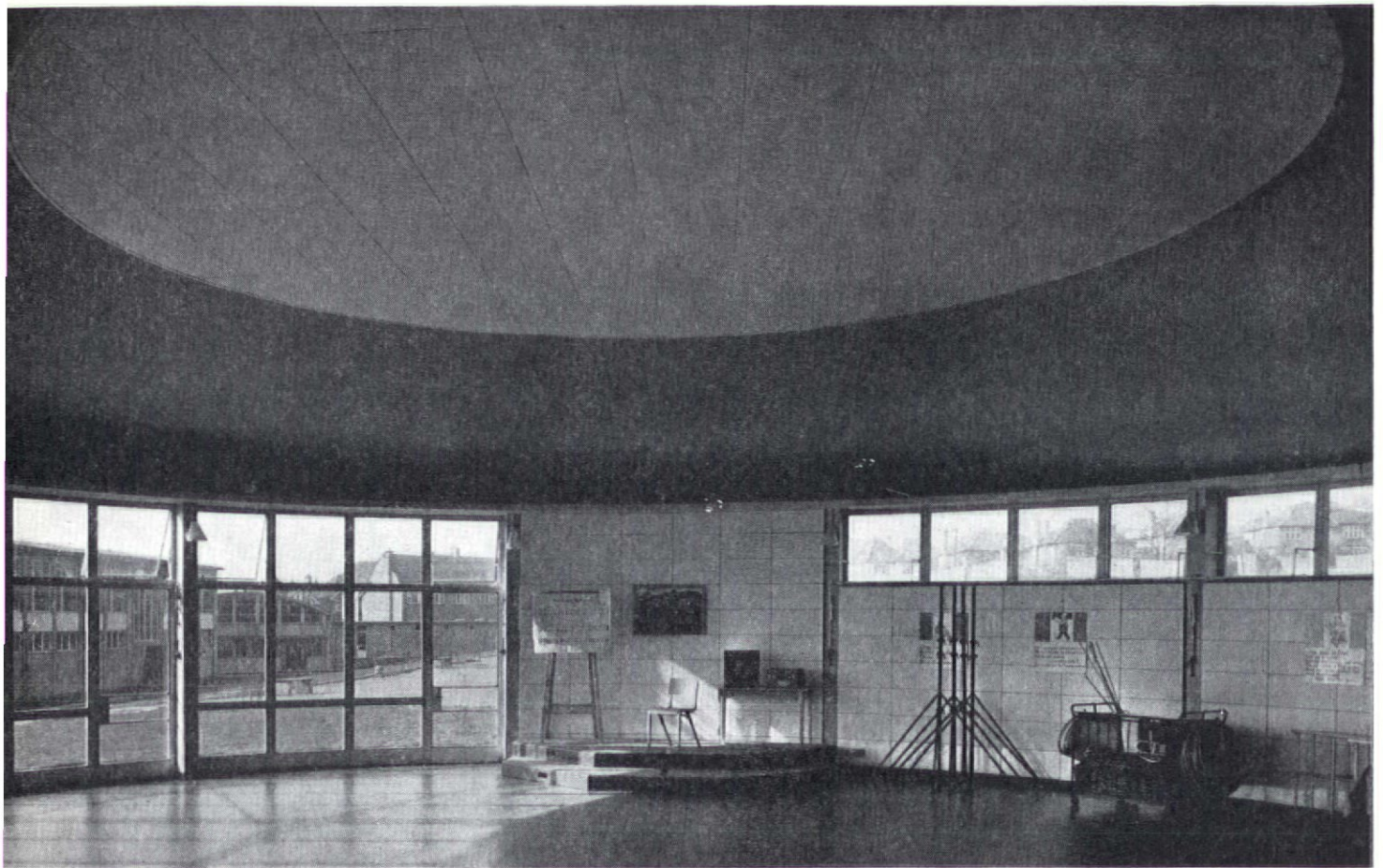
DETAILS OF ROOF AND TRUSS. scale $1'' = 1'-0''$

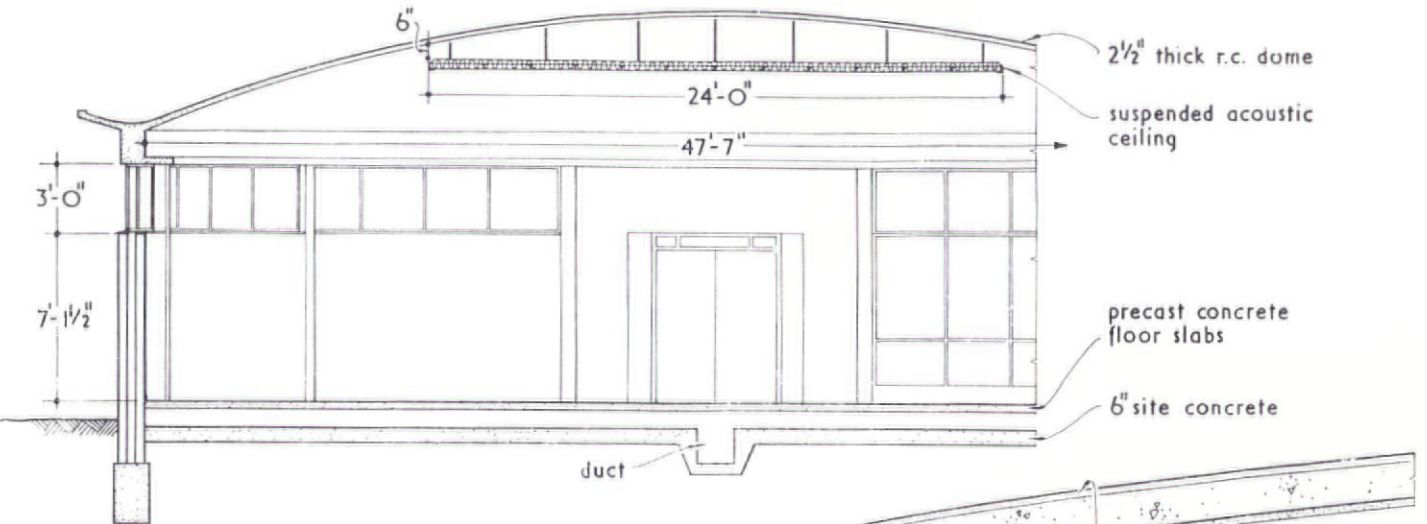


ROOF AND SUSPENDED CEILING : ASSEMBLY HALL, SCHOOL AT WEMBLEY

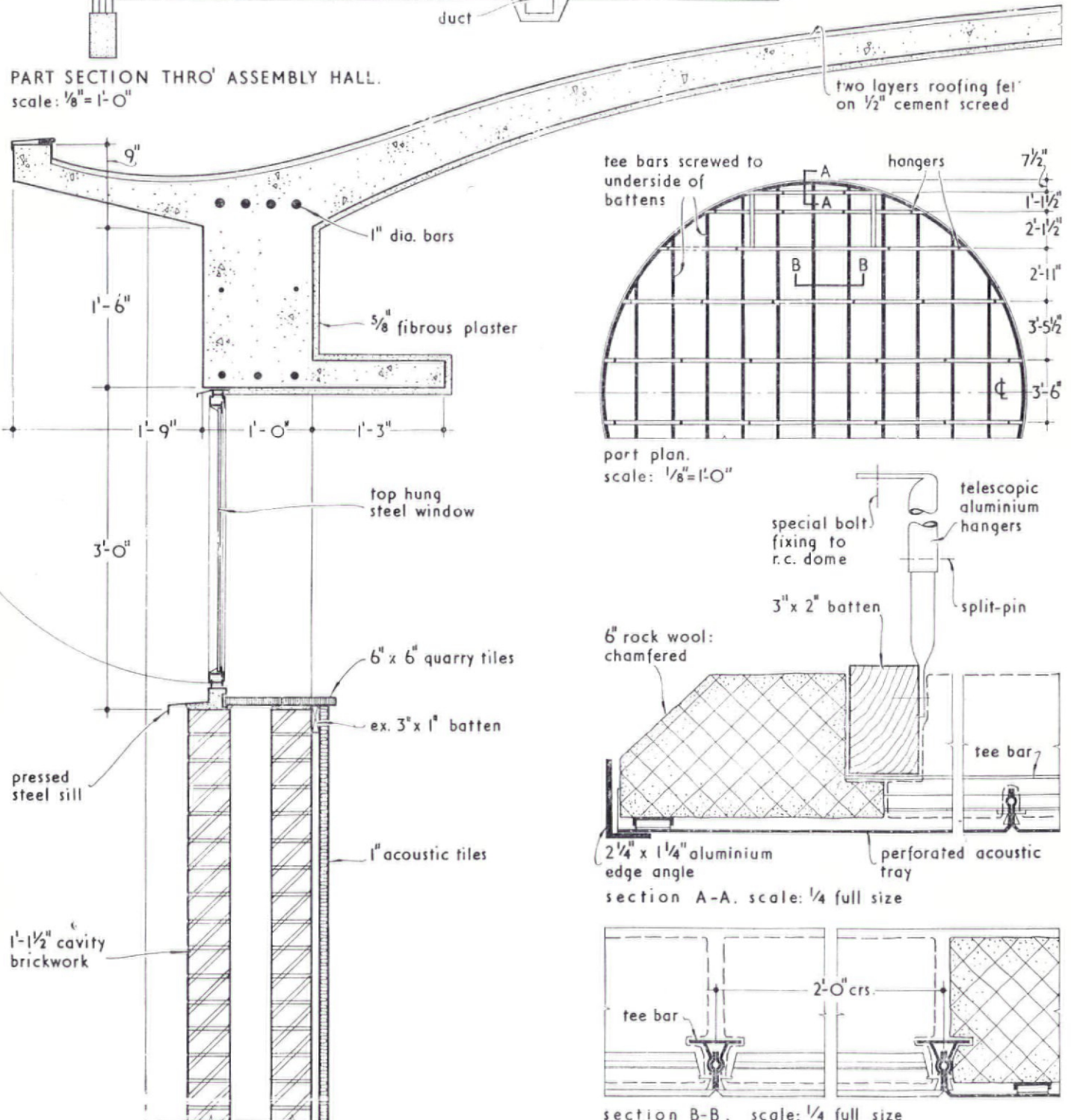
DESIGNED BY C. G. STILLMAN (architect to the Middlesex County Council); D. R. DUNCAN (area architect).
John Dale Limited designed and made the acoustic ceiling

The circular form of the hall raised acoustical problems which were successfully overcome by the introduction of a suspended ceiling which is sound-absorbing





PART SECTION THRO' ASSEMBLY HALL.
scale: 1/8" = 1'-0"



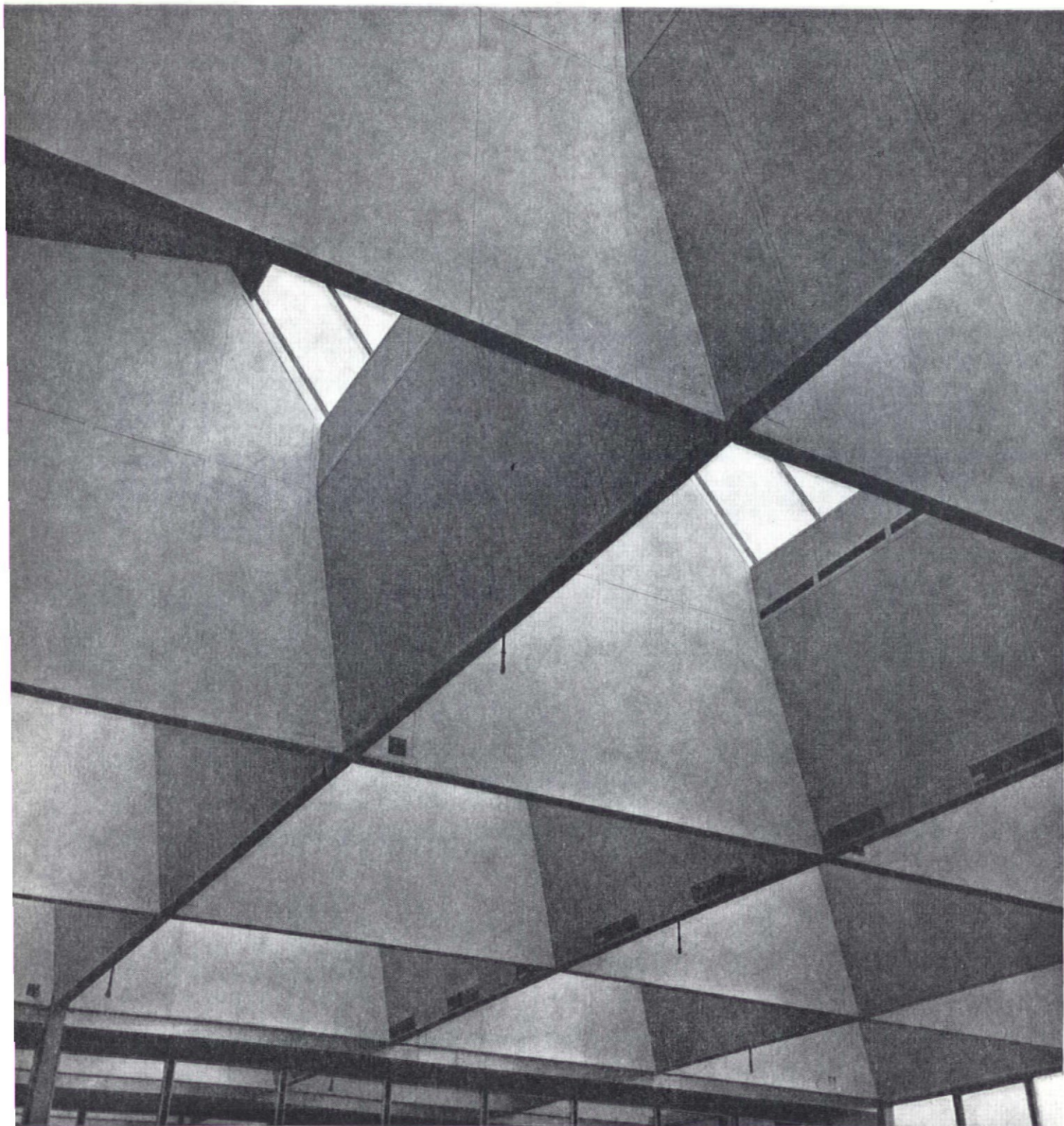
DETAIL OF EXTERNAL WALL AND EAVES. scale: 3/4" = 1'-0"

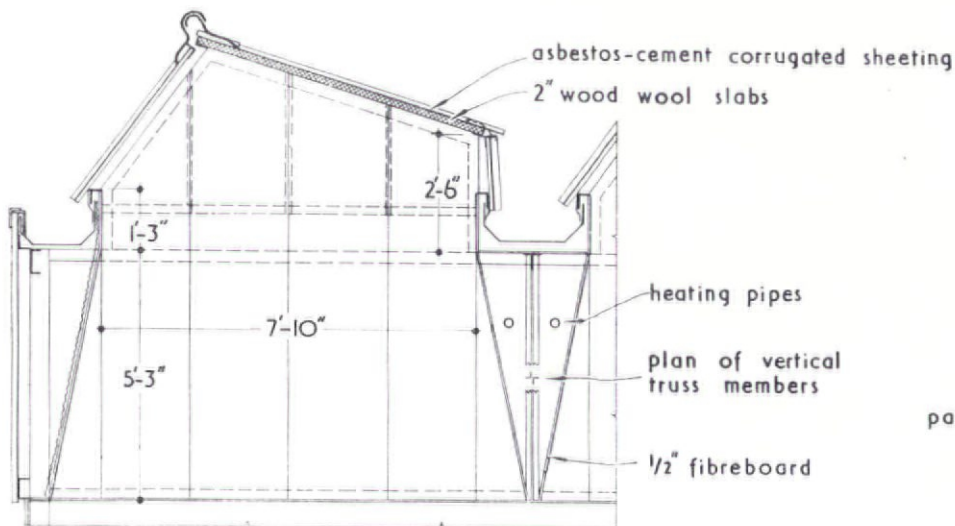
DETAILS OF SUSPENDED ACOUSTIC CEILING.

WORKSHOP ROOFLIGHT: TECHNICAL COLLEGE AT FOLKESTONE

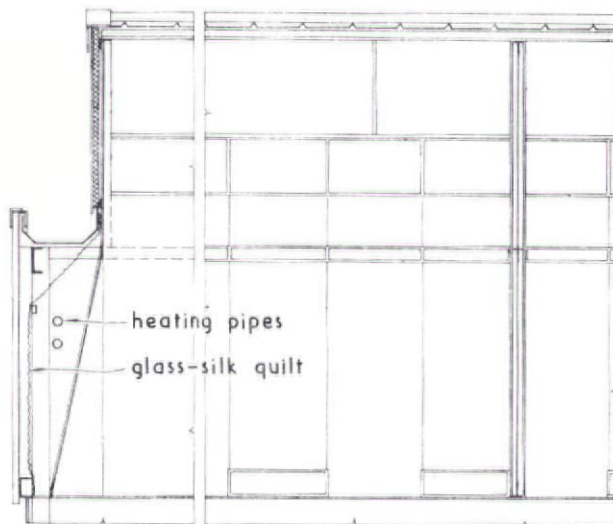
DESIGNED BY S. H. LOWETH (architect to the Kent County Council); J. H. GARNHAM WRIGHT (architect-in-charge)
W. A. SHIRBON (executive assistant)

The fibreboard sheathing of the roof structural members, which diffuses the glare from the rooflights, also conceals the heating pipes

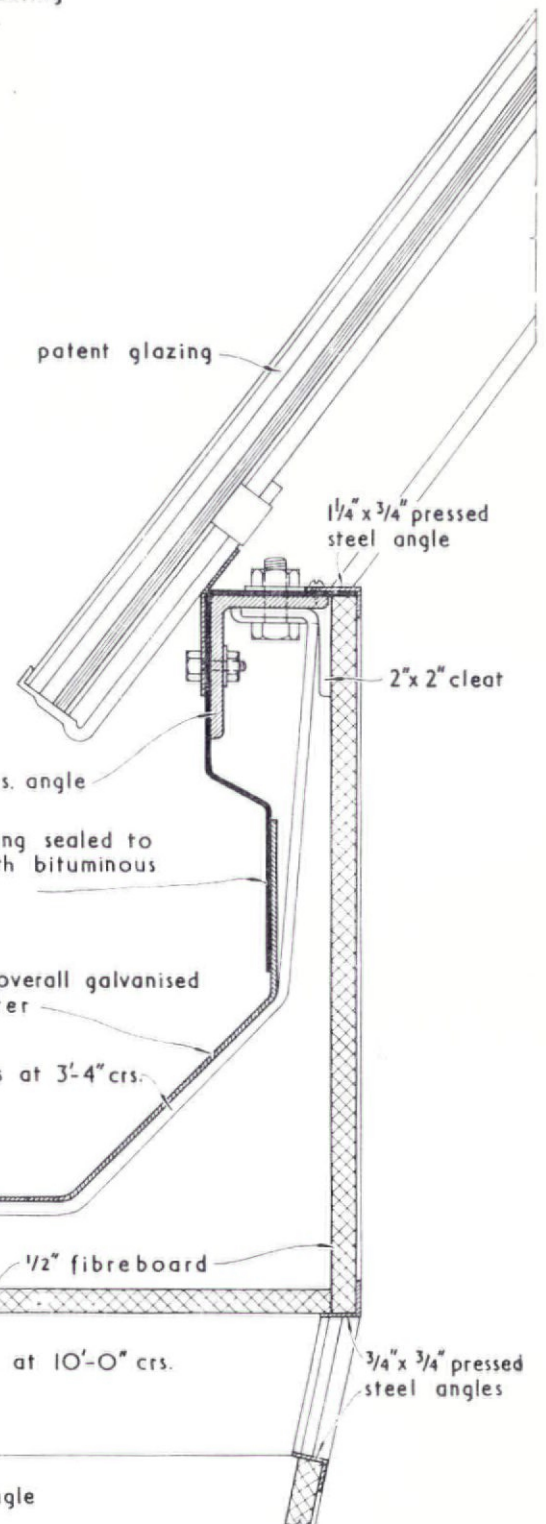




CROSS SECTION OF BAY. scale $\frac{1}{4}" = 1'-0"$



LONGITUDINAL SECTION. scale $\frac{1}{4}" = 1'-0"$

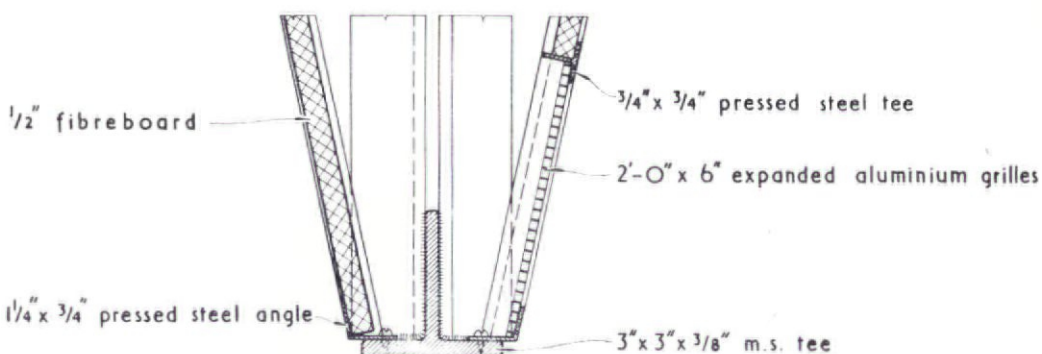


3" x 3" tee cross members at 10'-0" crs.

5" x 4" m.s. tee at 10'-0" crs. welded joints

1/2" x 1 1/2" x 1/4" angle

3/4" x 3/4" pressed steel angles



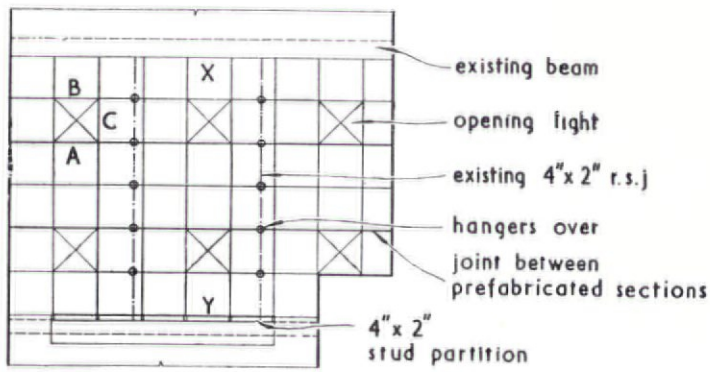
SECTION THRO' SPLOYED FIN. scale $\frac{1}{4}$ full size

LAYLIGHT CEILING : SHOP IN LONDON, W.1

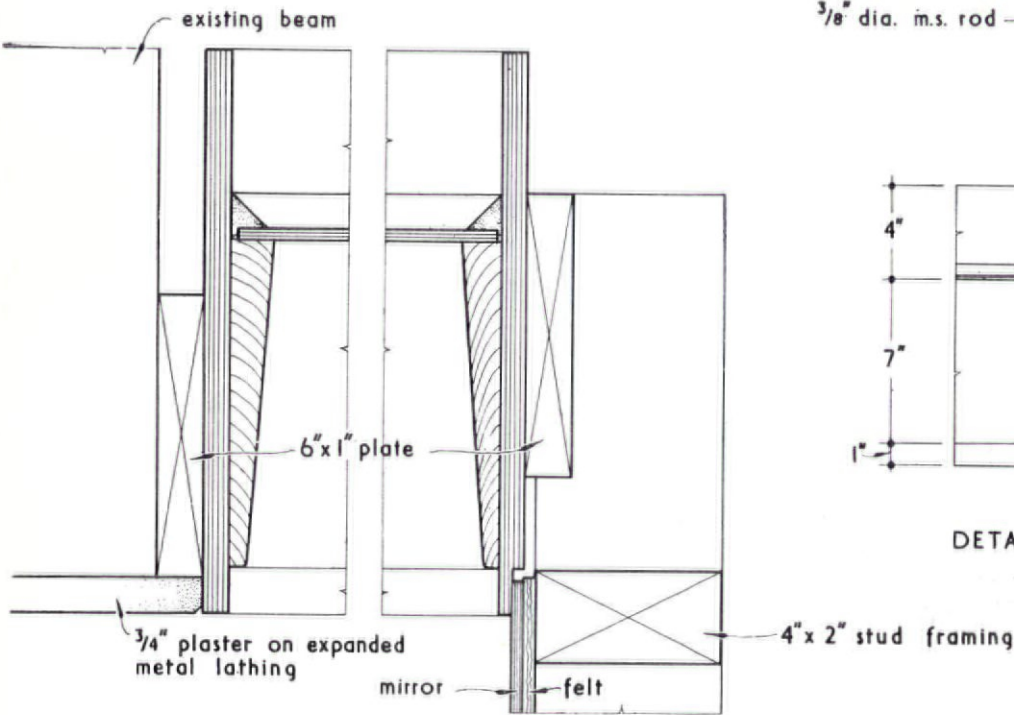
DESIGNED BY CHAMBERLIN, POWELL AND BON; ROBERT ASHDOWN (assistant-in-charge)

Three prefabricated panels form the laylight in which special diffusing glass is used

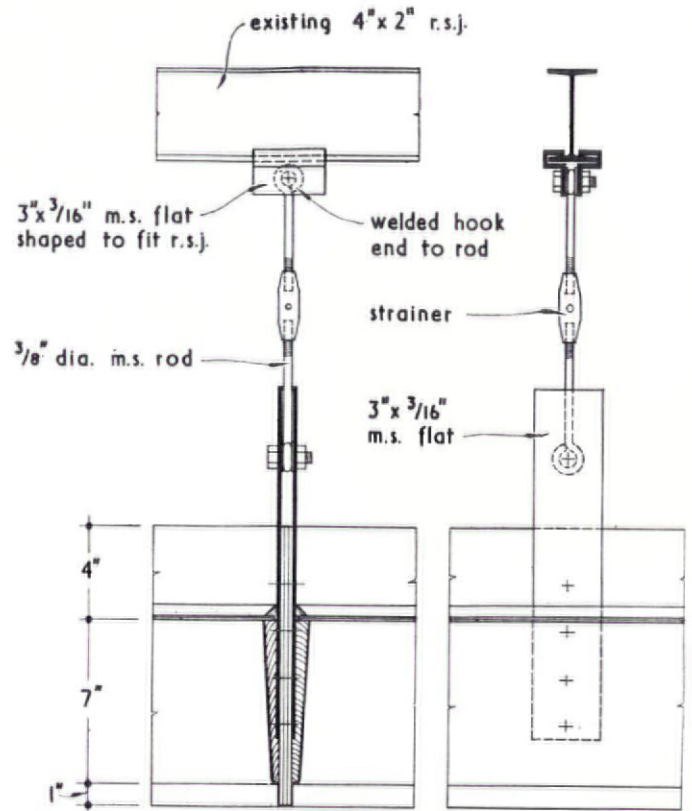




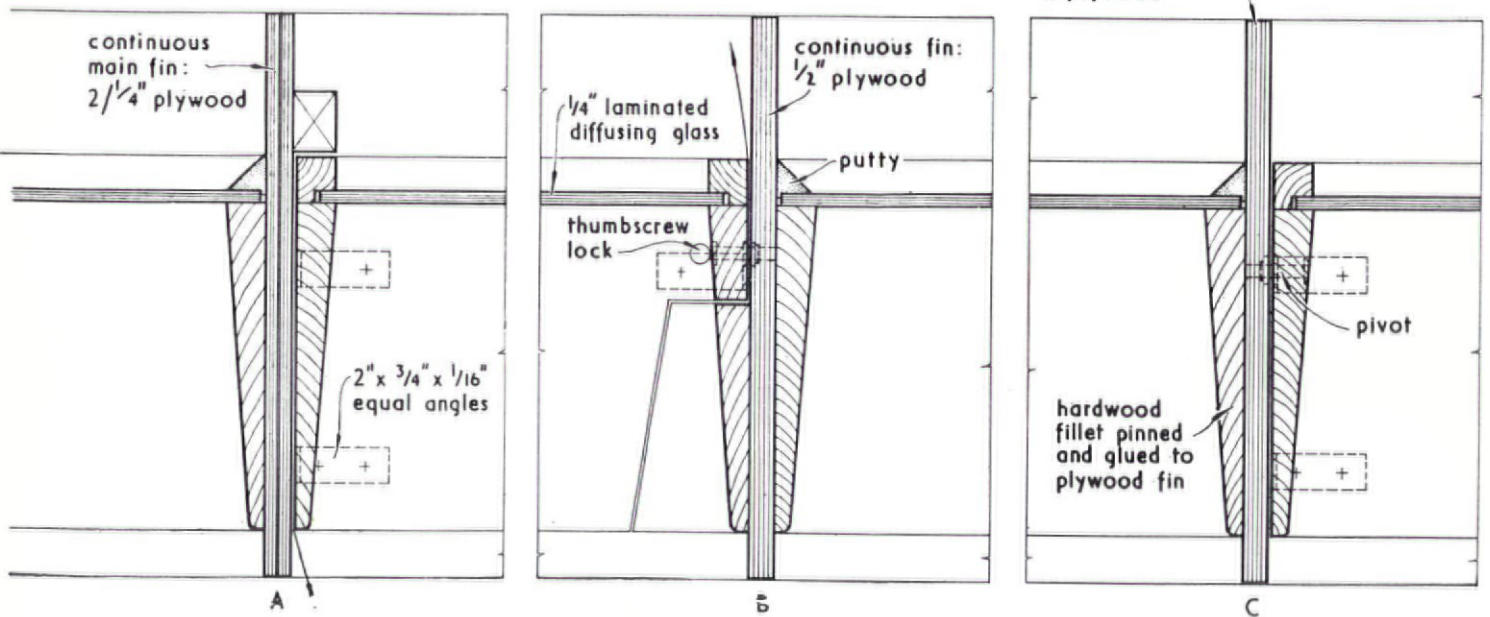
PLAN OF CEILING. scale $\frac{1}{16}'' = 1'-0''$



DETAILS AT X AND Y. scale $\frac{1}{4}$ full size



DETAILS OF HANGER. scale $\frac{1}{2}'' = 1'-0''$



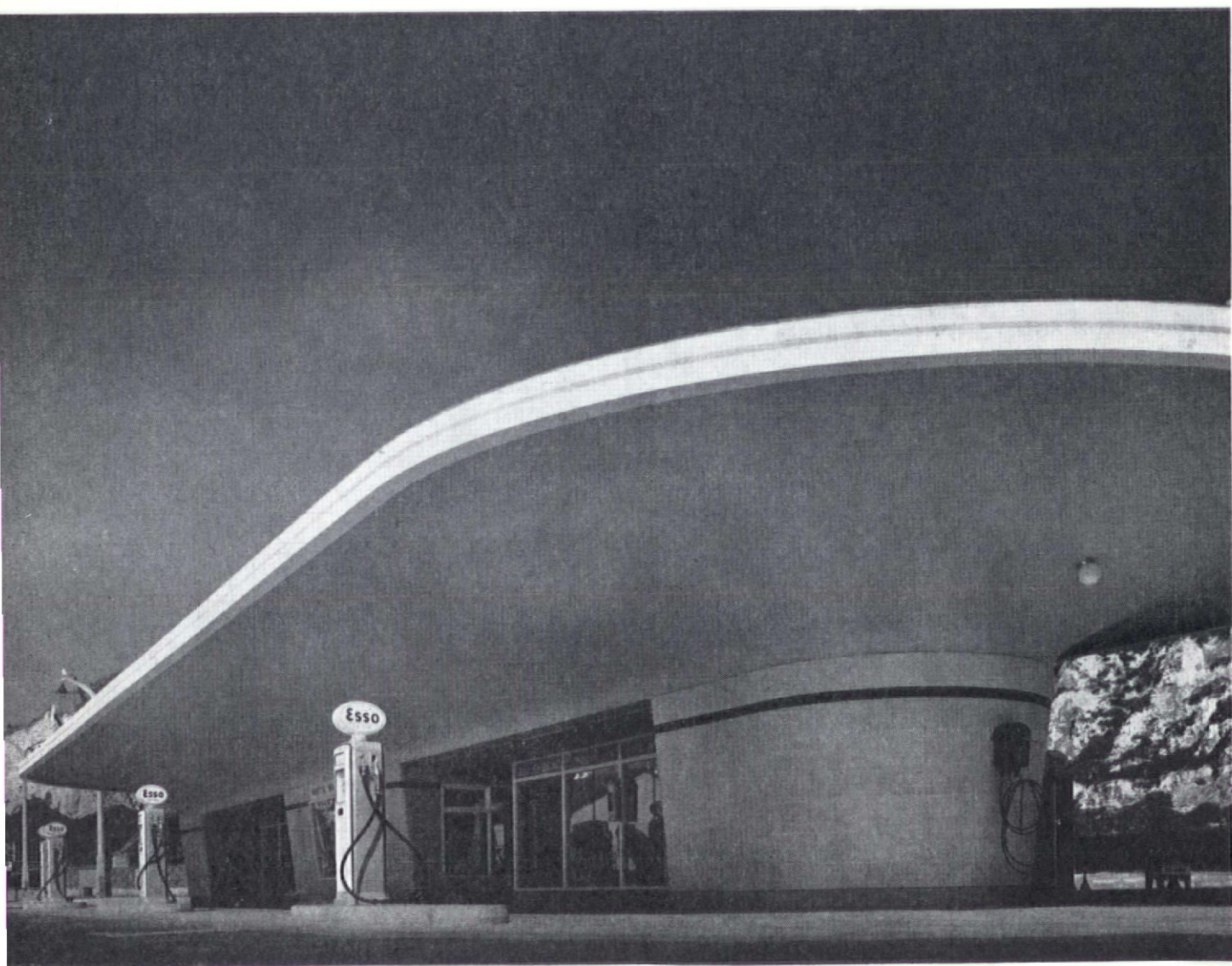
DETAILS OF OPENING LIGHT.

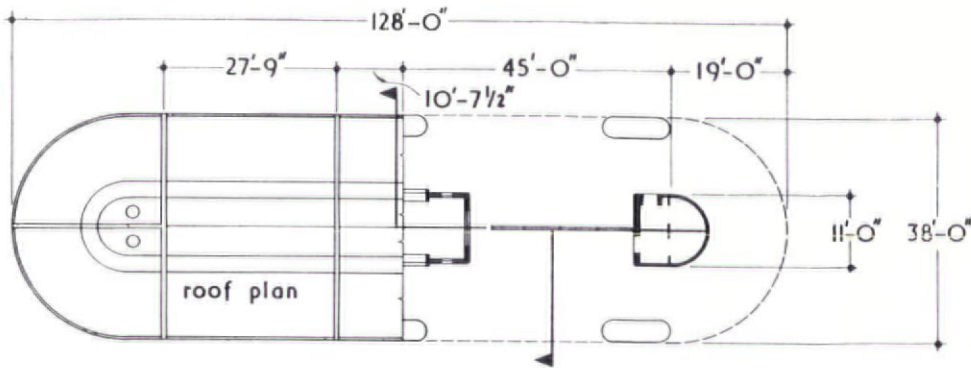
scale $\frac{1}{4}$ full size

ROOF: PETROL FILLING STATION AT DOVER

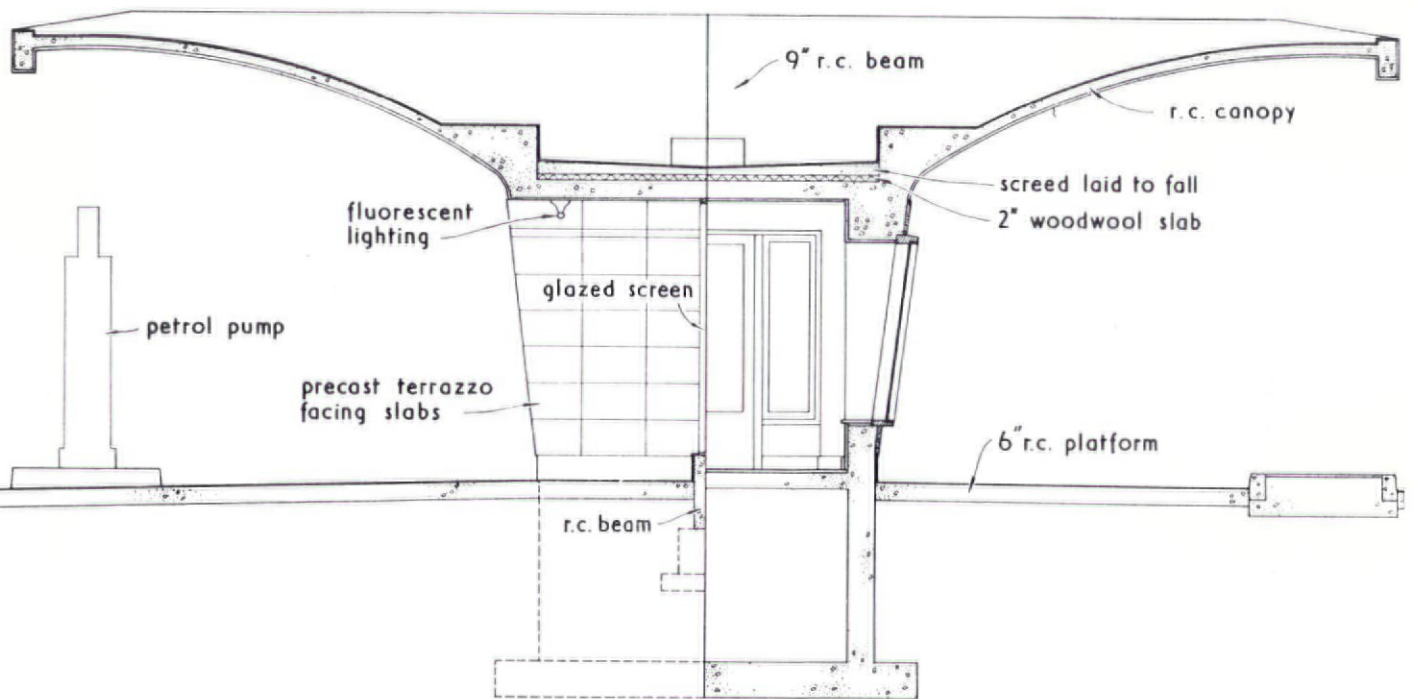
DESIGNED BY J. M. WILSON, H. C. MASON AND PARTNERS

The curved concrete roof overhanging the petrol pumps is supported by cantilevered beams above the roof surface.

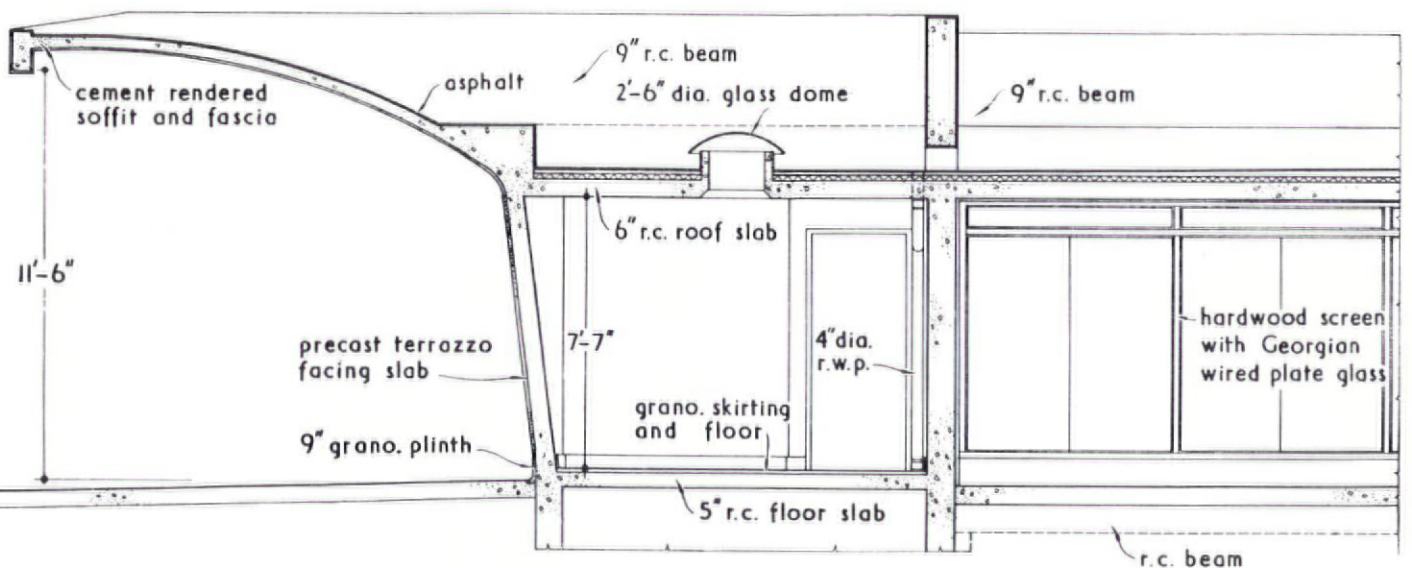




KEY PLAN scale $\frac{1}{32}'' = 1'-0''$



CROSS SECTION. scale $\frac{3}{16}'' = 1'-0''$



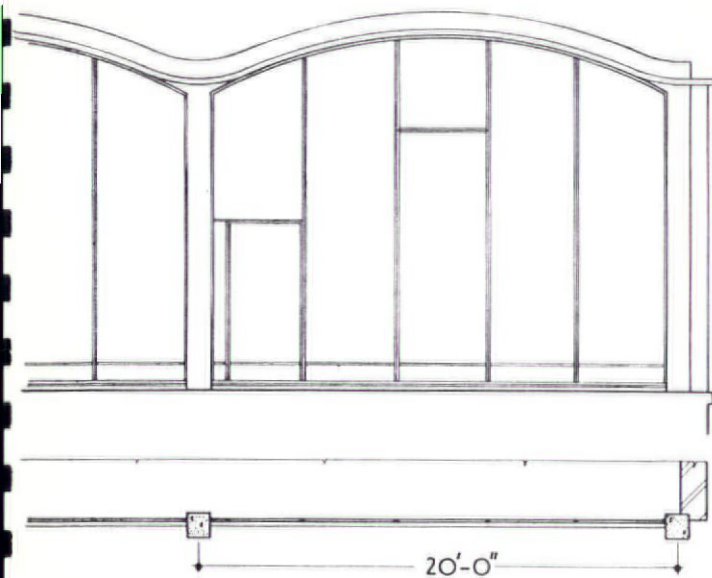
LONGITUDINAL PART SECTION. scale $\frac{3}{16}'' = 1'-0''$

CANTEEN ROOF: SCHOOL AT ST. PAUL'S CRAY

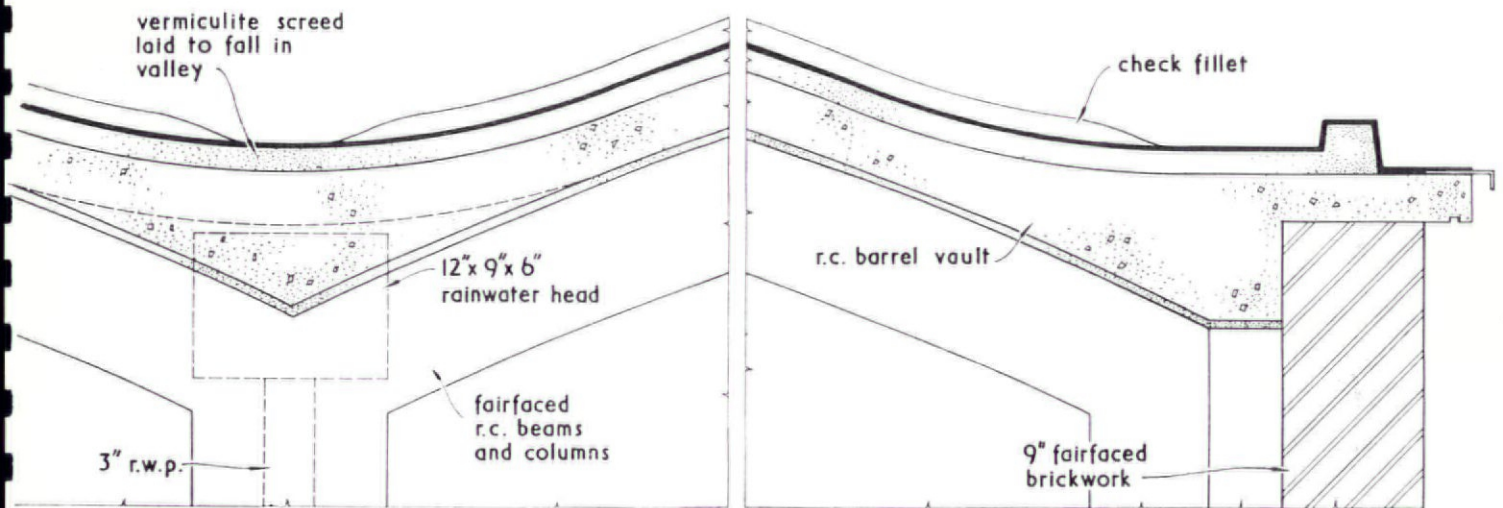
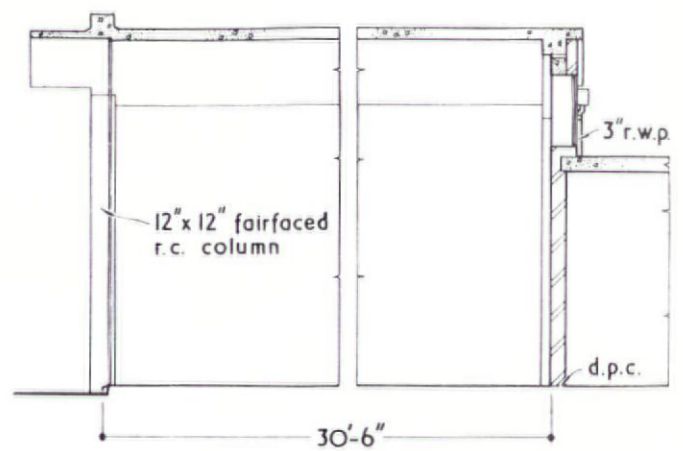
DESIGNED BY ELIE MAYORCAS IN COLLABORATION WITH S. H. LOWETH (architect to the Kent County Council)

On the terrace side of the canteen the roof projects beyond an upstanding beam to form a wide overhang to the glazed wall.

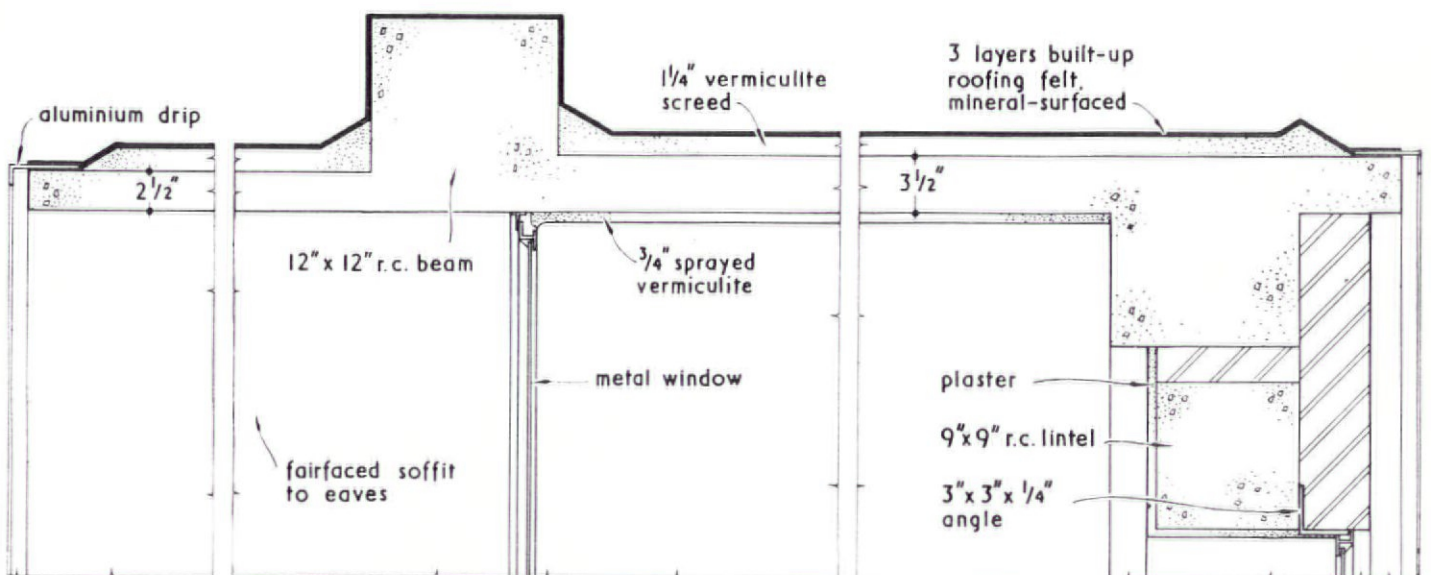




PLAN, ELEVATION AND SECTION. scale $\frac{1}{8}" = 1'-0"$



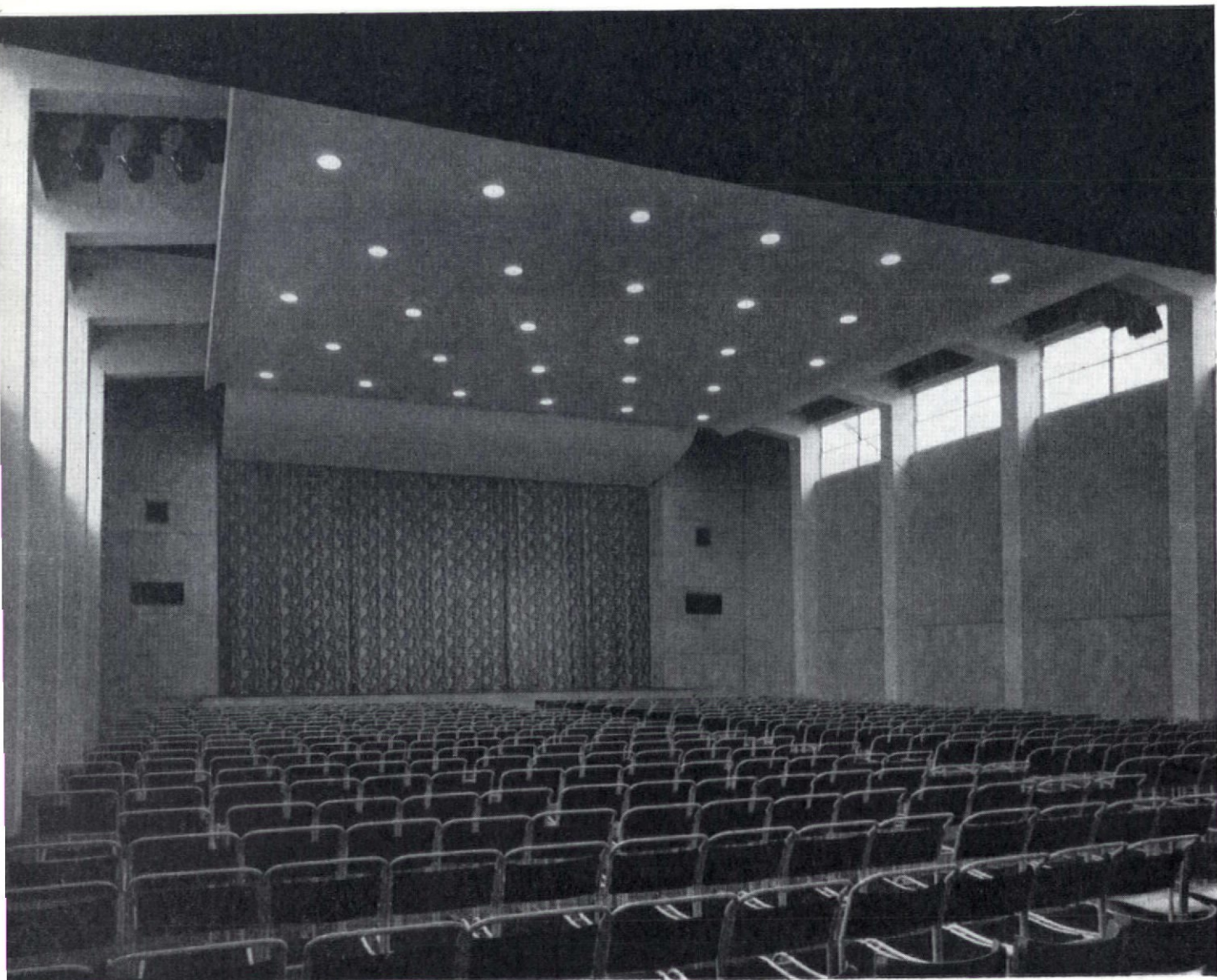
CROSS SECTION THRO' VALLEY AND EAVES. scale $1" = 1'-0"$

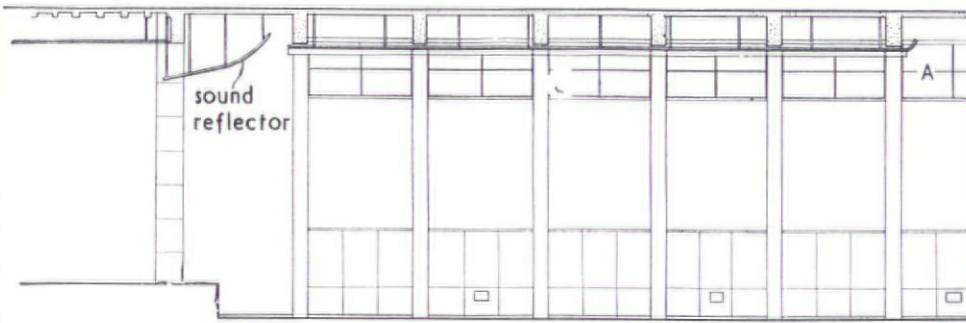


LONGITUDINAL SECTION THRO' CROWN OF VAULT. scale $1" = 1'-0"$

CEILING IN ASSEMBLY HALL : SCHOOL AT CHESHUNT
DESIGNED BY NORMAN AND DAWBARN

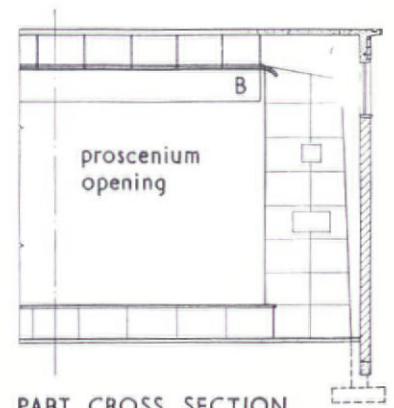
The suspended acoustic ceiling of plaster on metal lathing contains recessed lighting fittings and has a detached sound reflector across the top of the proscenium.



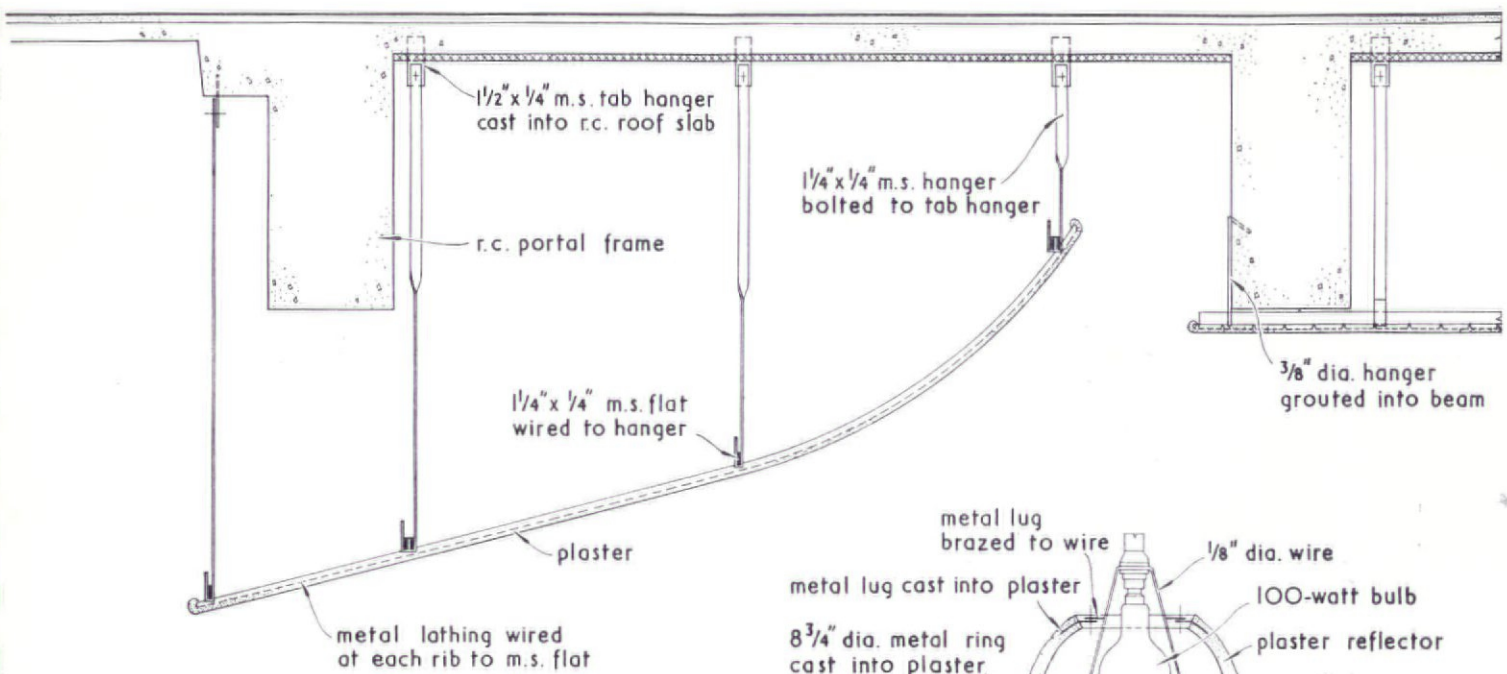


LONGITUDINAL SECTION

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

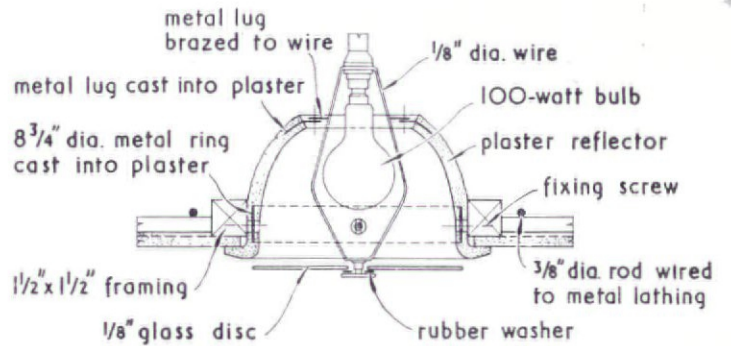


PART CROSS SECTION.

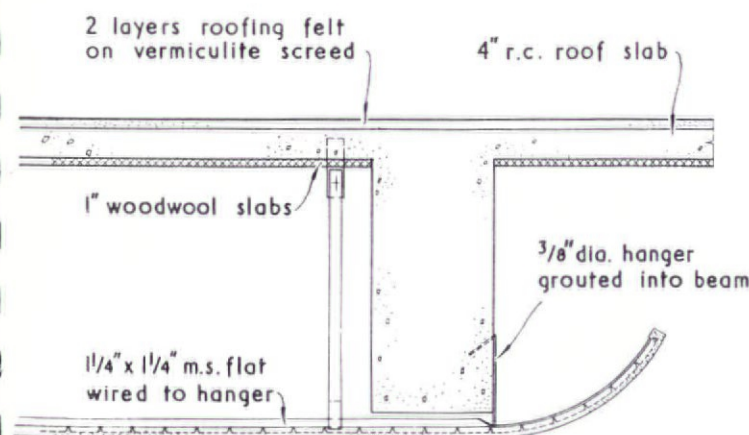


DETAIL OF SOUND REFLECTOR.

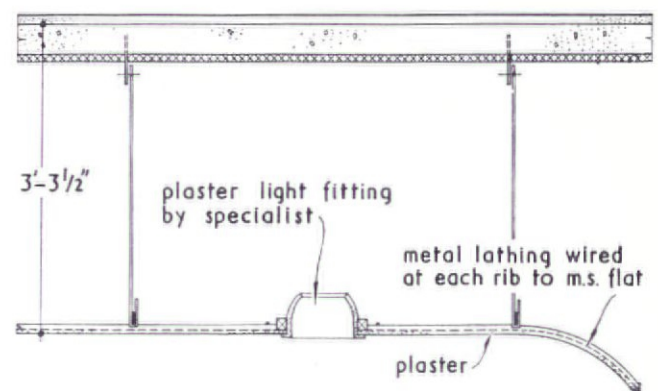
scale $\frac{1}{2}'' = 1'-0''$



DETAIL OF LIGHT FITTING. scale $\frac{1}{2}'' = 1'-0''$



DETAIL AT A. scale $\frac{1}{2}'' = 1'-0''$



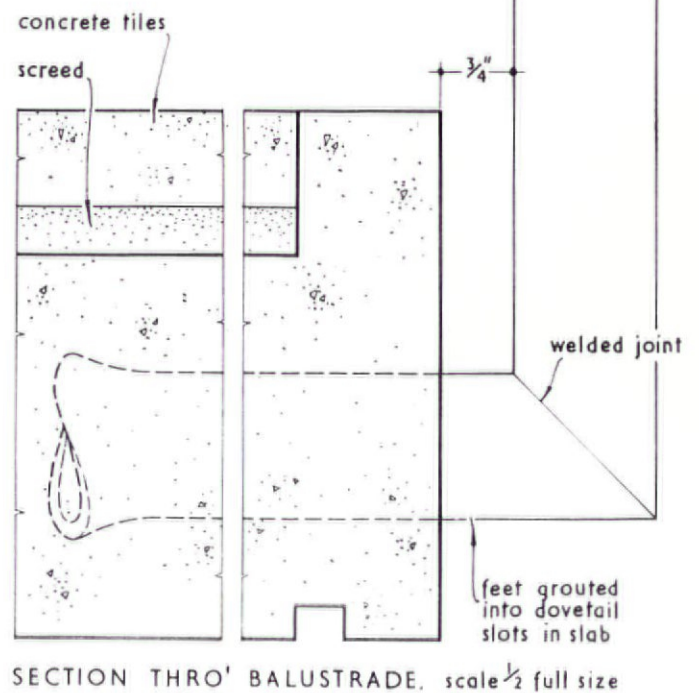
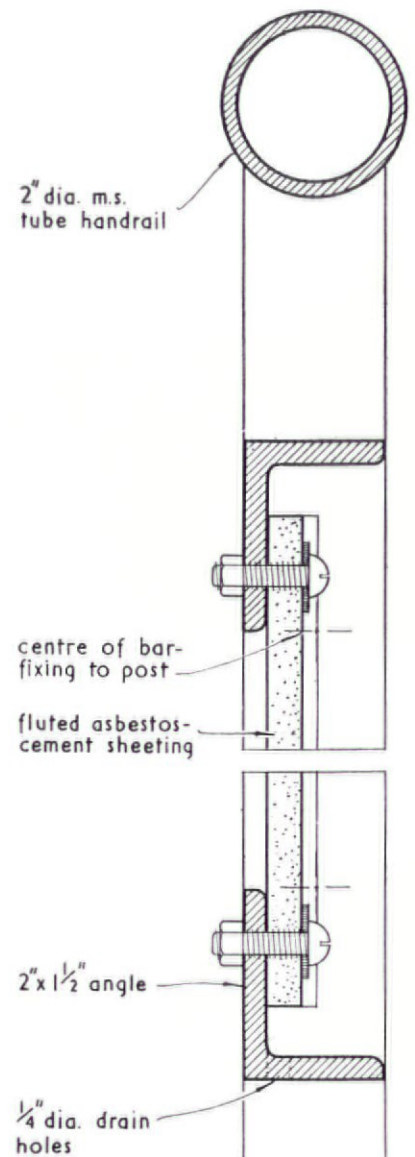
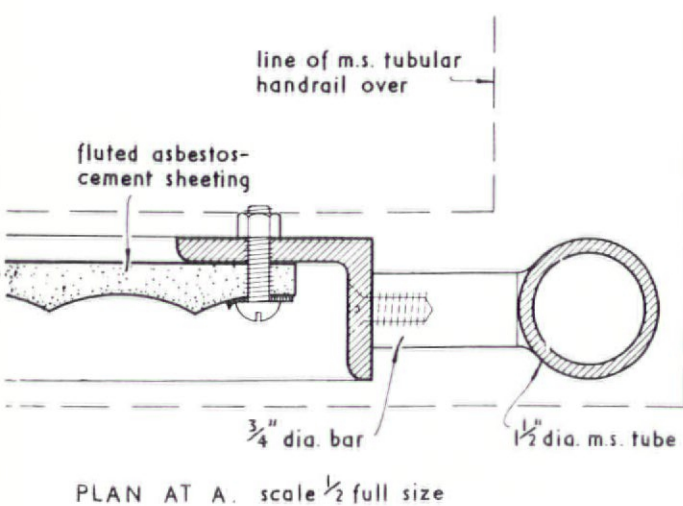
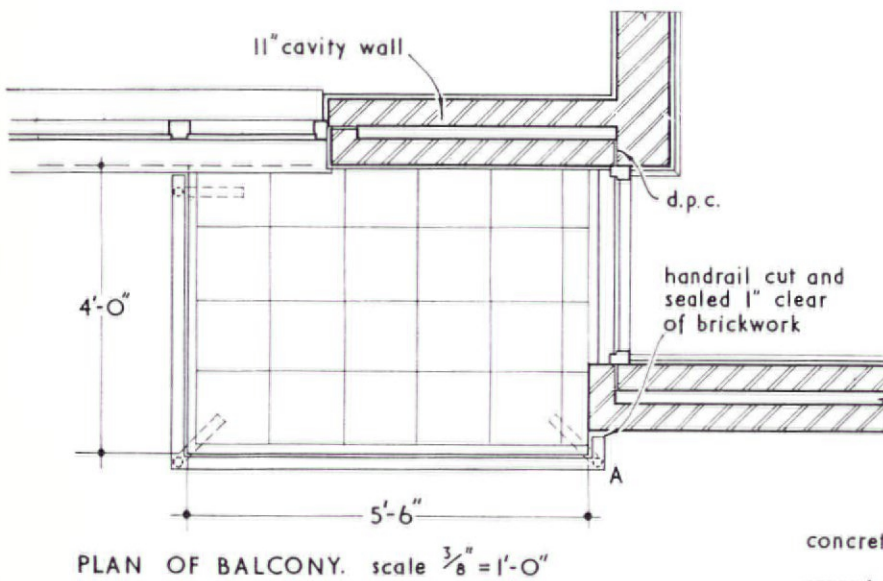
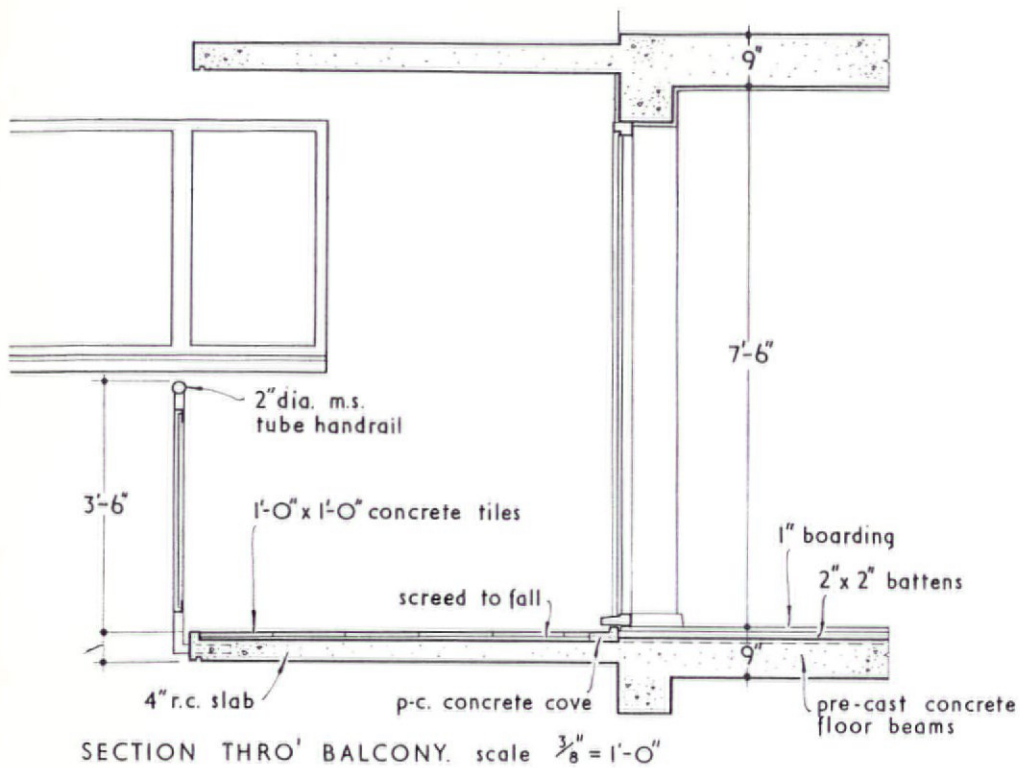
DETAIL AT B. scale $\frac{1}{2}'' = 1'-0''$

BALCONIES : FLATS AT HATFIELD

DESIGNED BY LIONEL BRETT AND KENNETH BOYD

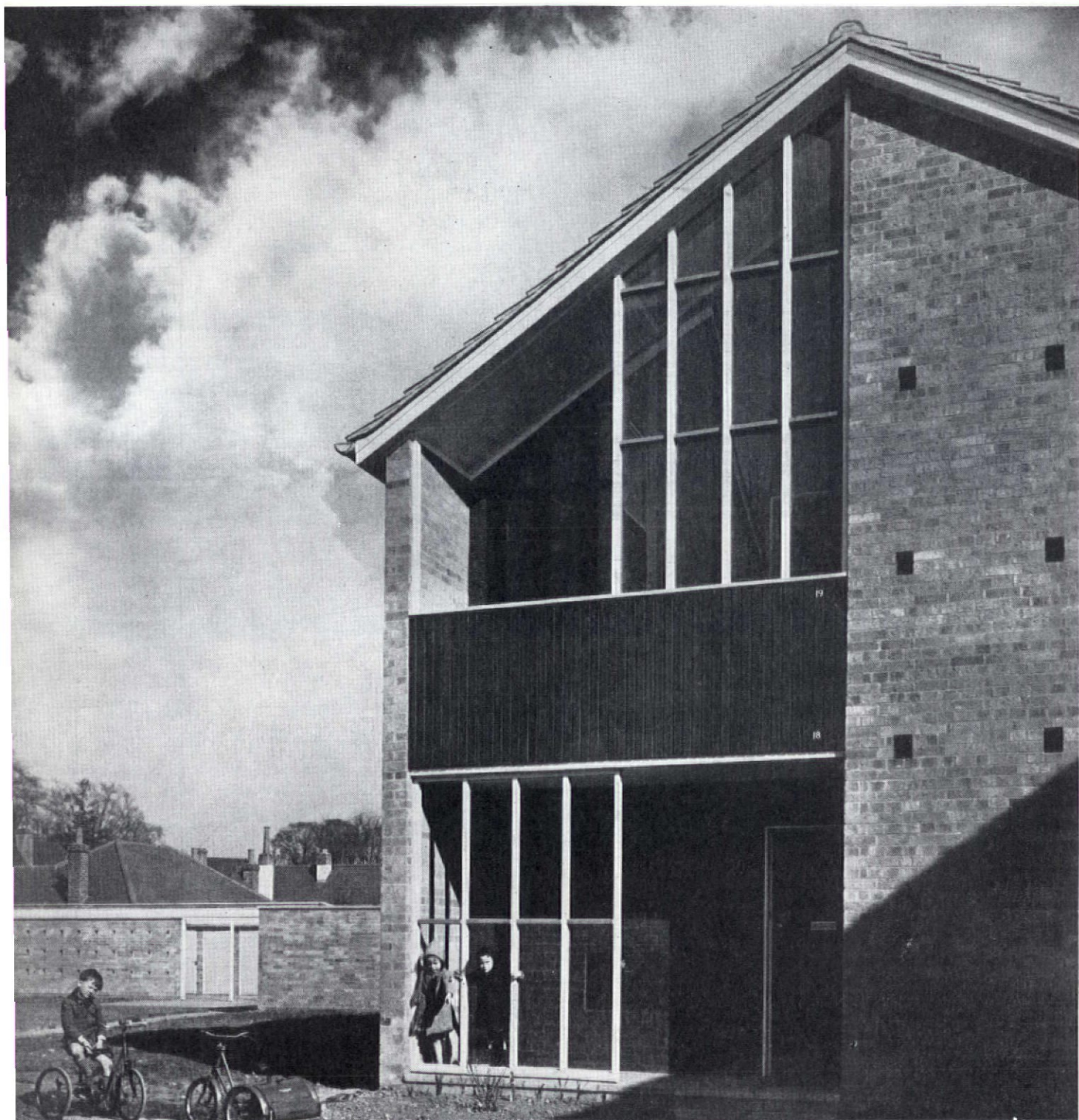
The balconies are paved with concrete tiles and the balustrading is formed from fluted asbestos-cement panels with handrail and corner posts of steel tube

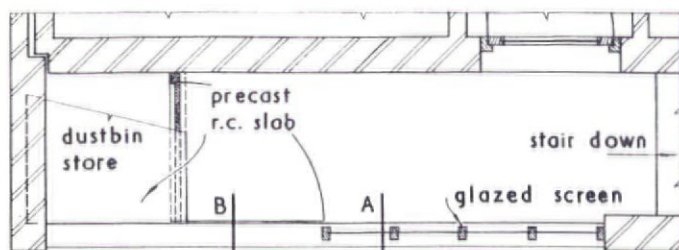




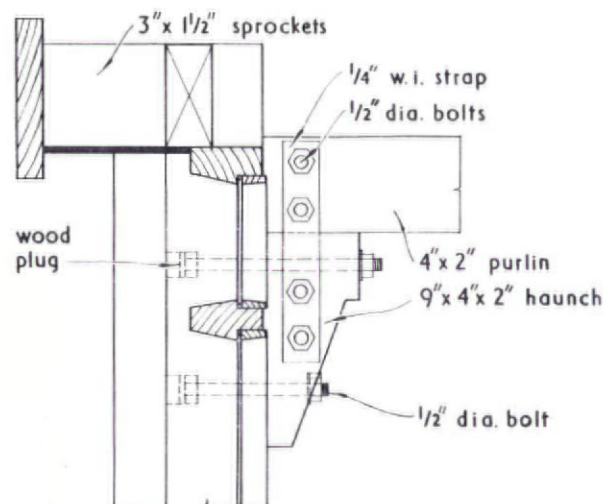
ACCESS BALCONY: FLATS AT WALLINGTON
DESIGNED BY PITE, SON AND FAIRWEATHER

The balcony wall of hardwood boarding conceals a small store for the dustbin and the glazed screen is of Georgian wired glass.

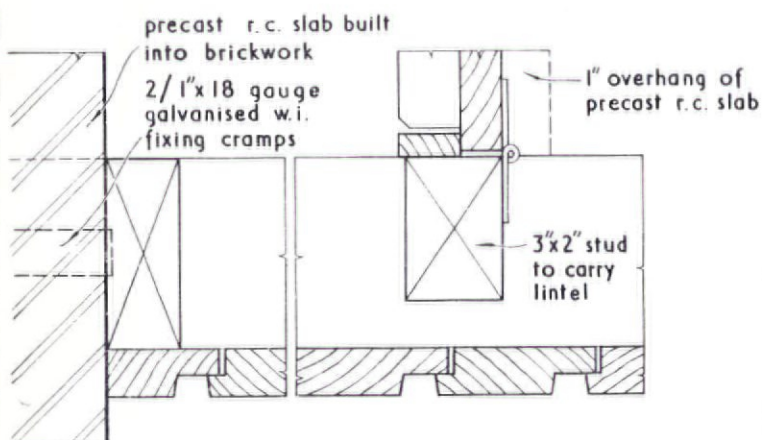




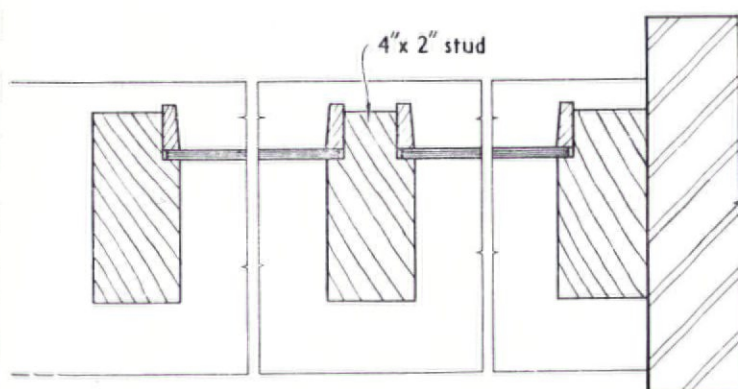
PLAN OF BALCONY.
scale $\frac{1}{4}'' = 1'-0''$



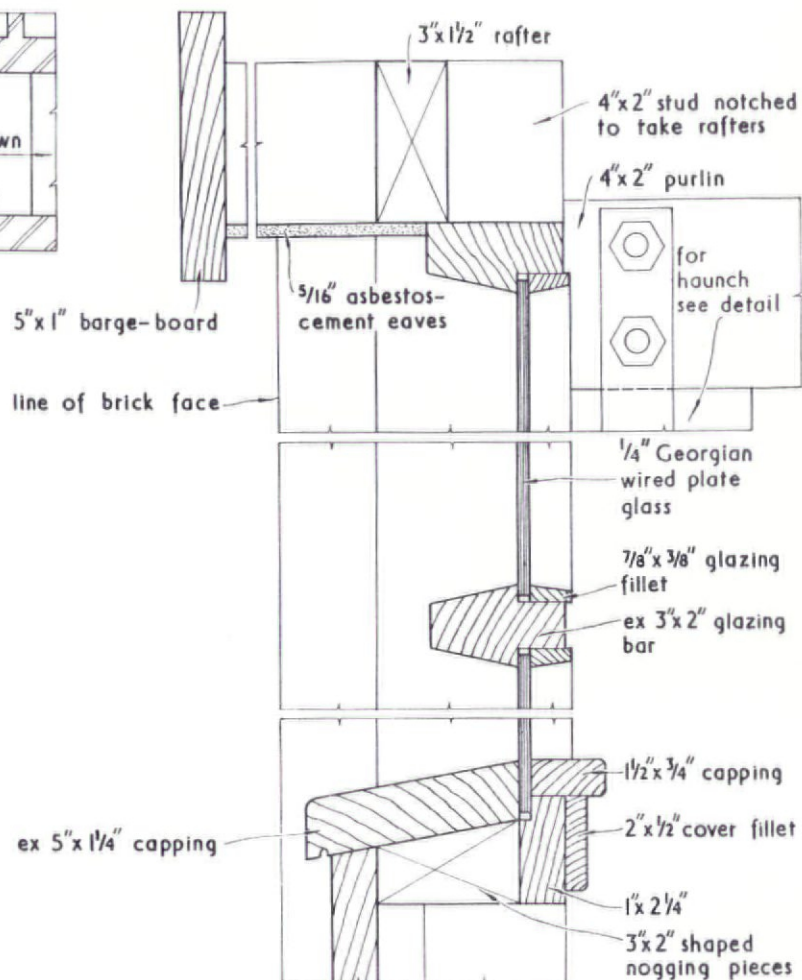
DETAIL AT PURLIN. scale $\frac{1}{2}'' = 1'-0''$



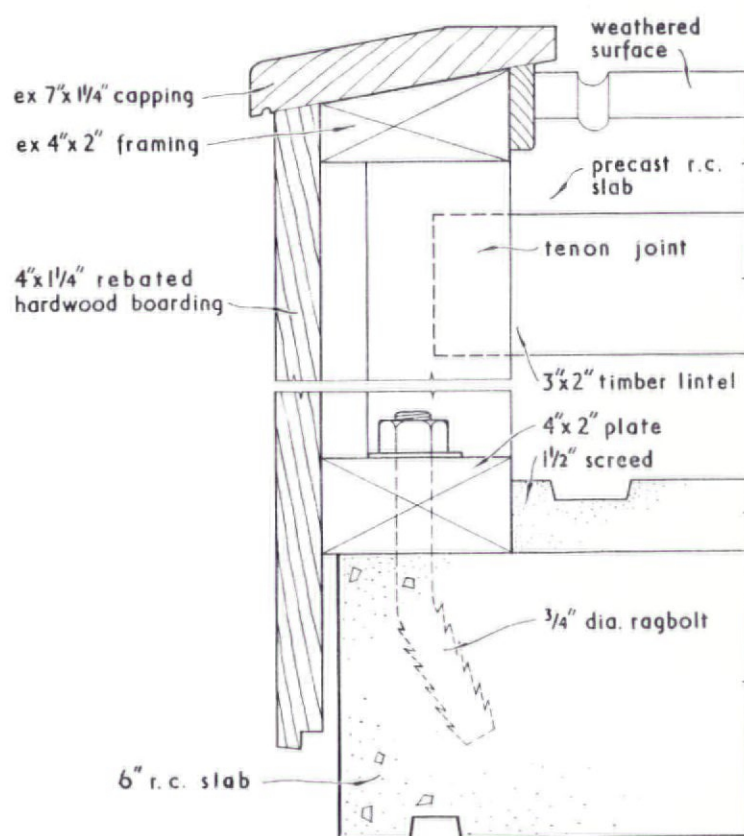
PLAN THRO' FRONT OF BALCONY.
scale $\frac{1}{4}$ full size



PLAN OF GLAZED SCREEN. scale $\frac{1}{4}$ full size



SECTION AT A. scale $\frac{1}{4}$ full size

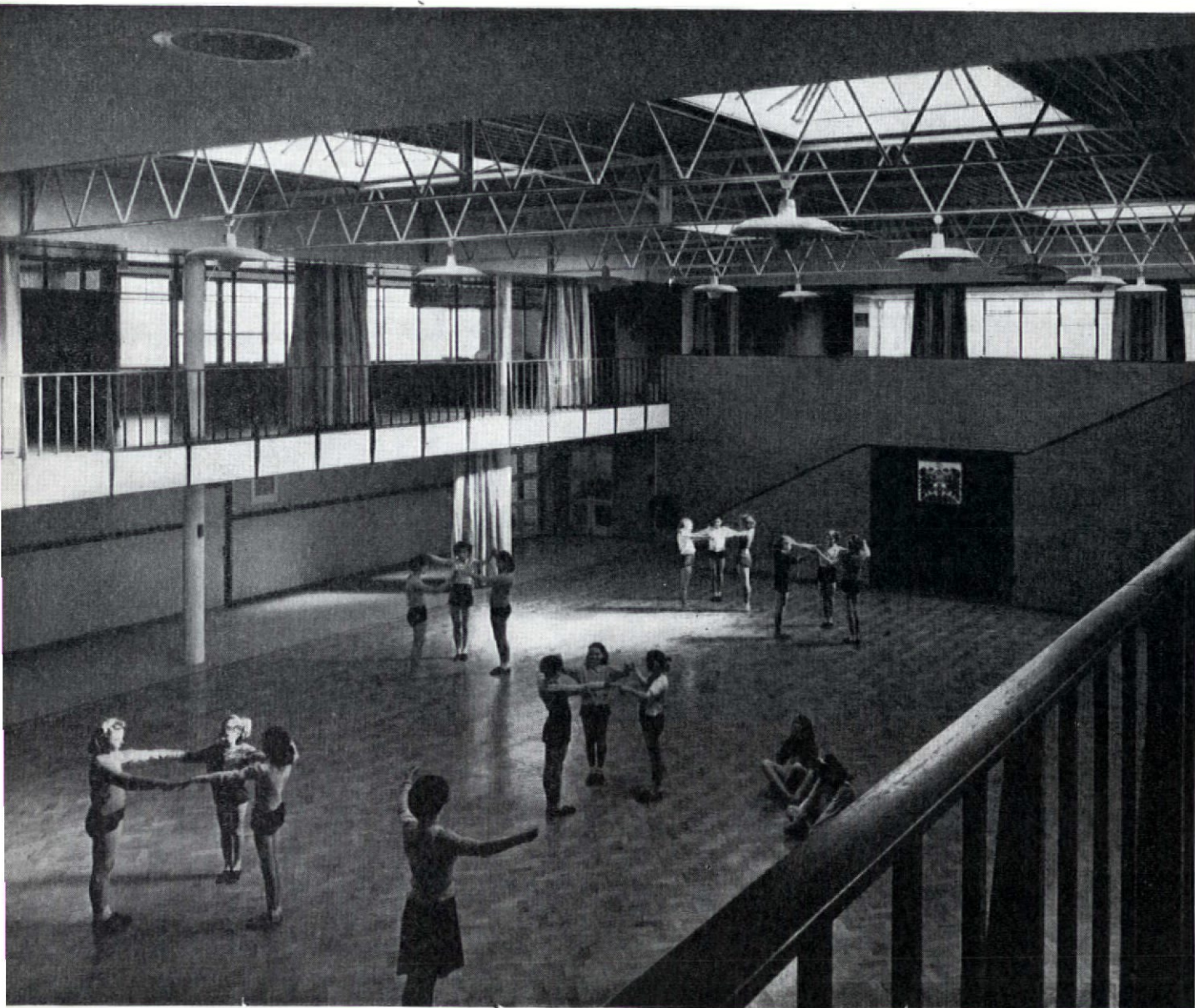


SECTION AT B. scale $\frac{1}{4}$ full size

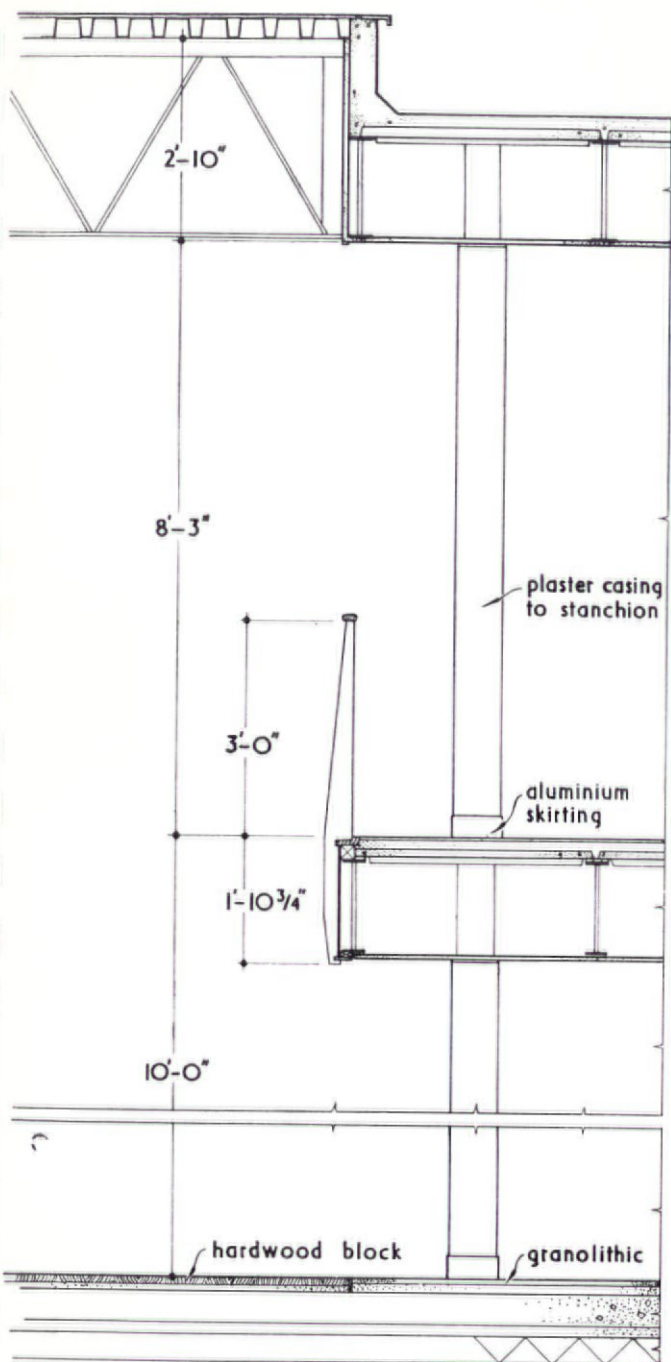
ASSEMBLY HALL BALCONY: SCHOOL AT OXHEY

DESIGNED BY C. H. ASLIN (architect to the Hertfordshire County Council);
R. A. DE YARBURGH-BATESON (architect-in-charge)

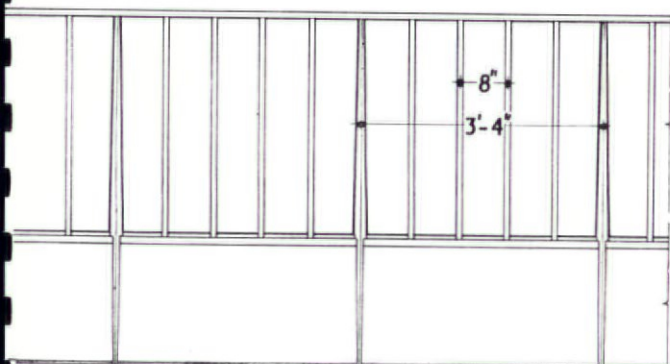
The shaped hardwood supports to the balustrade are notched over the edge of the balcony and are secured to the lattice beam behind the fascia.



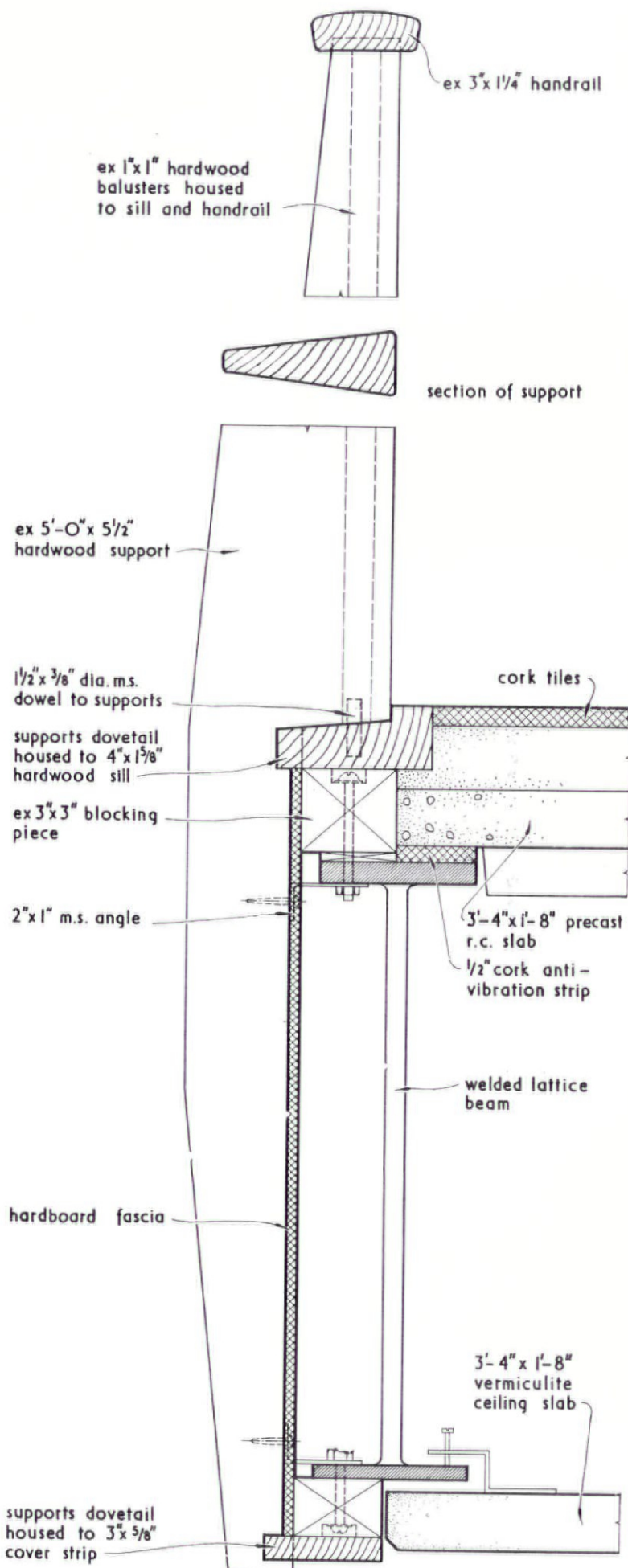
BALCONIES



SECTION THRO' BALCONY. scale 3/8" = 1'-0"



ELEVATION OF BALUSTRADE. scale 3/8" = 1'-0"



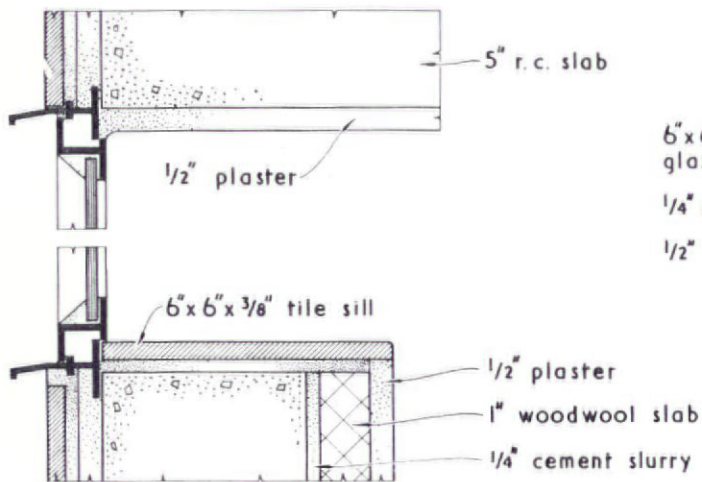
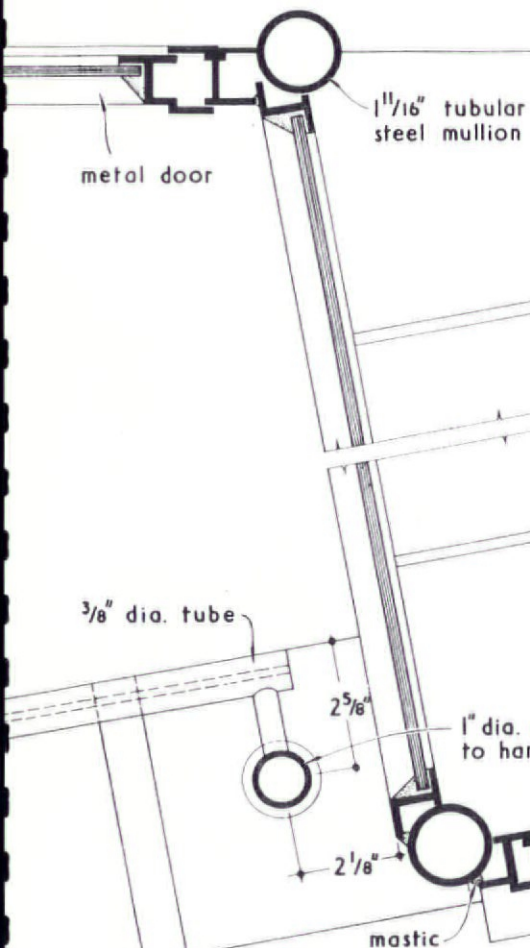
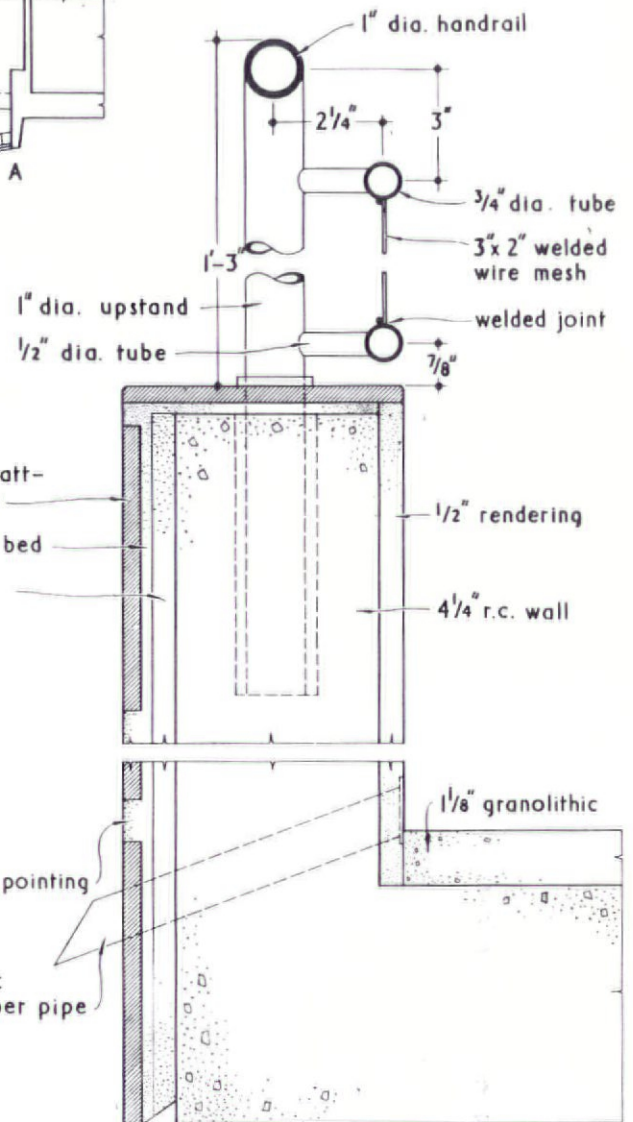
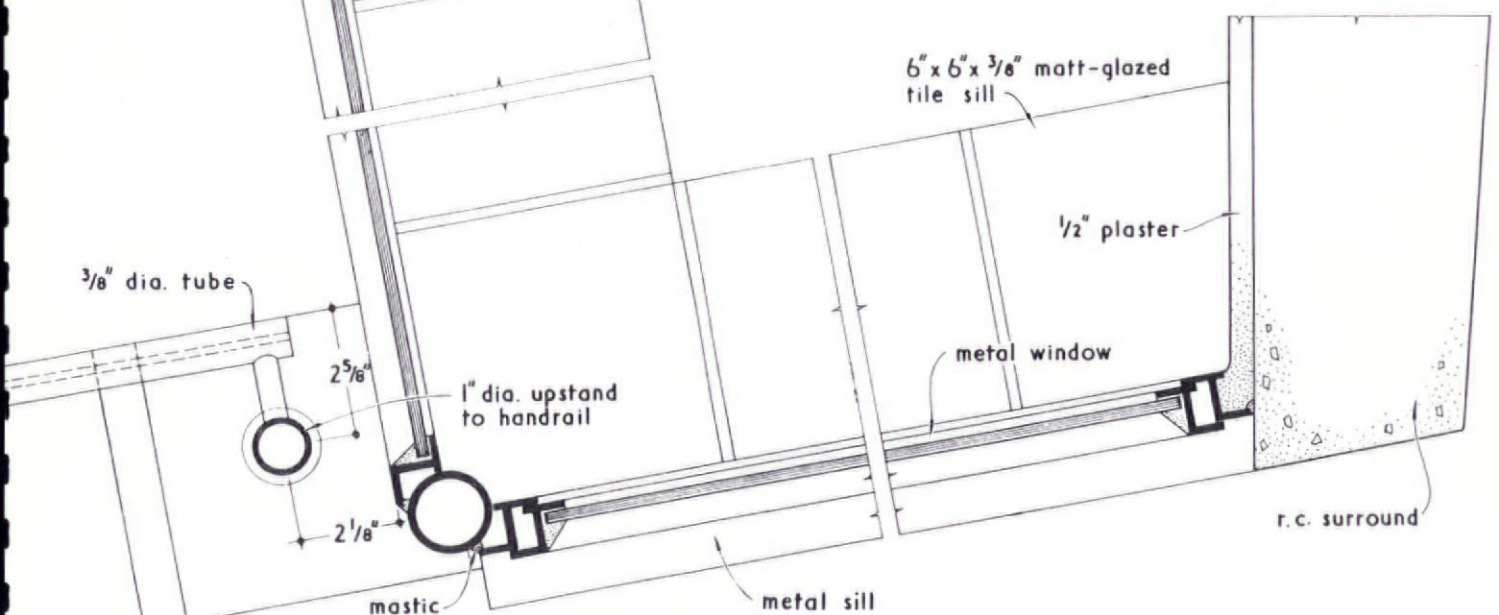
DETAIL OF BALUSTRADE. scale 1/4 full size

BALCONIES : FLATS IN LONDON, S.W.10

DESIGNED BY EDWARD ARMSTRONG AND FREDERICK MACMANUS; D. J. TRICKER (assistant-in-charge)

The facing to the balcony walls is of matt-glazed tiles with a waterproof pointing in the wide joints.

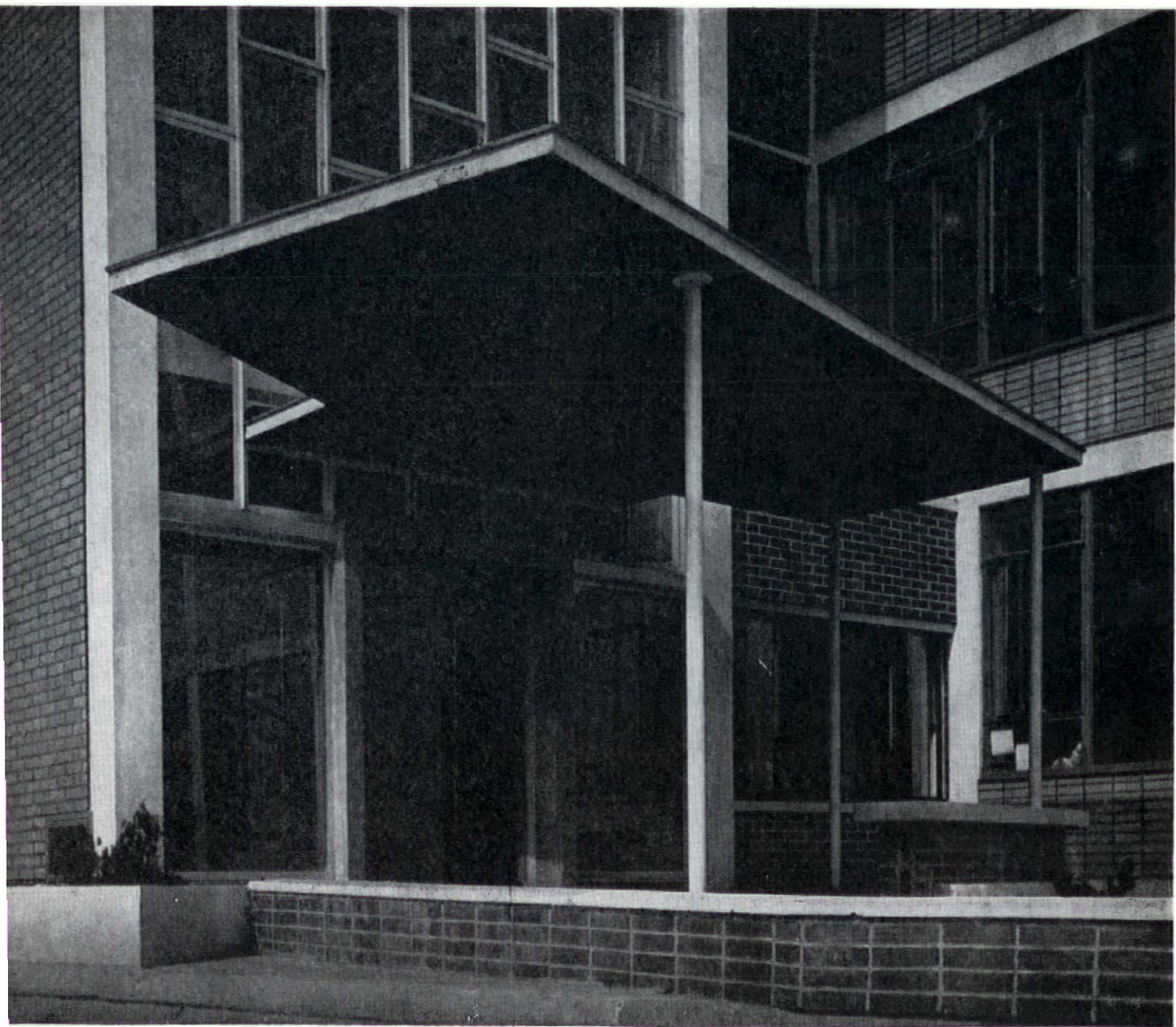


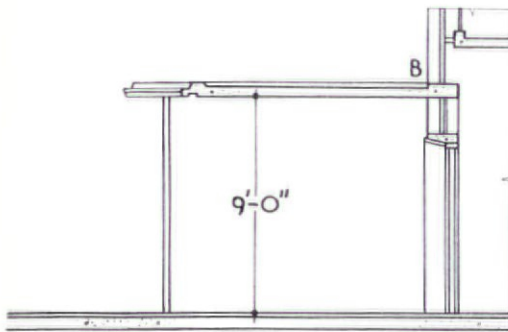
KEY PLAN. scale $\frac{1}{8}'' = 1'-0''$ SECTION THRO' WINDOW AT A.
scale $\frac{1}{4}$ full sizePLAN OF WINDOW. scale $\frac{1}{4}$ full sizeSECTION THRO' BALCONY.
scale $\frac{1}{4}$ full size

CANOPY OVER MAIN ENTRANCE : RESEARCH LABORATORIES IN LONDON, W.12

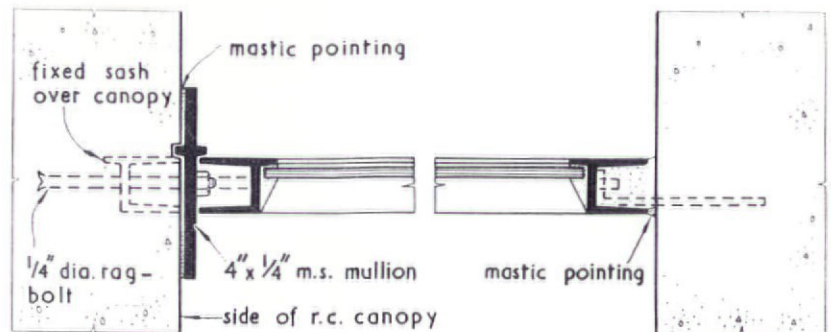
DESIGNED BY PROFESSOR BASIL WARD (OF RAMSEY, MURRAY AND WHITE); J. R. HUDSON (chief assistant)

The canopy, supported outside by three slender steel columns, is also supported by concrete columns behind the glazing.

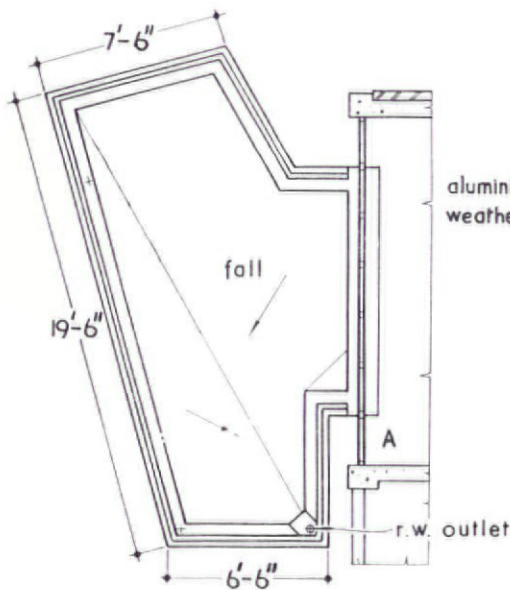




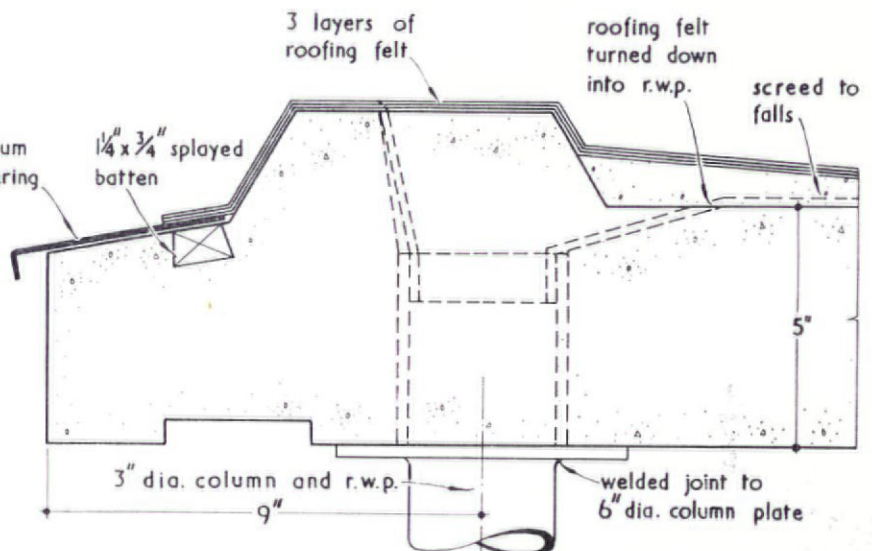
SECTION THRO' CANOPY.
scale $\frac{1}{8}" = 1'-0"$



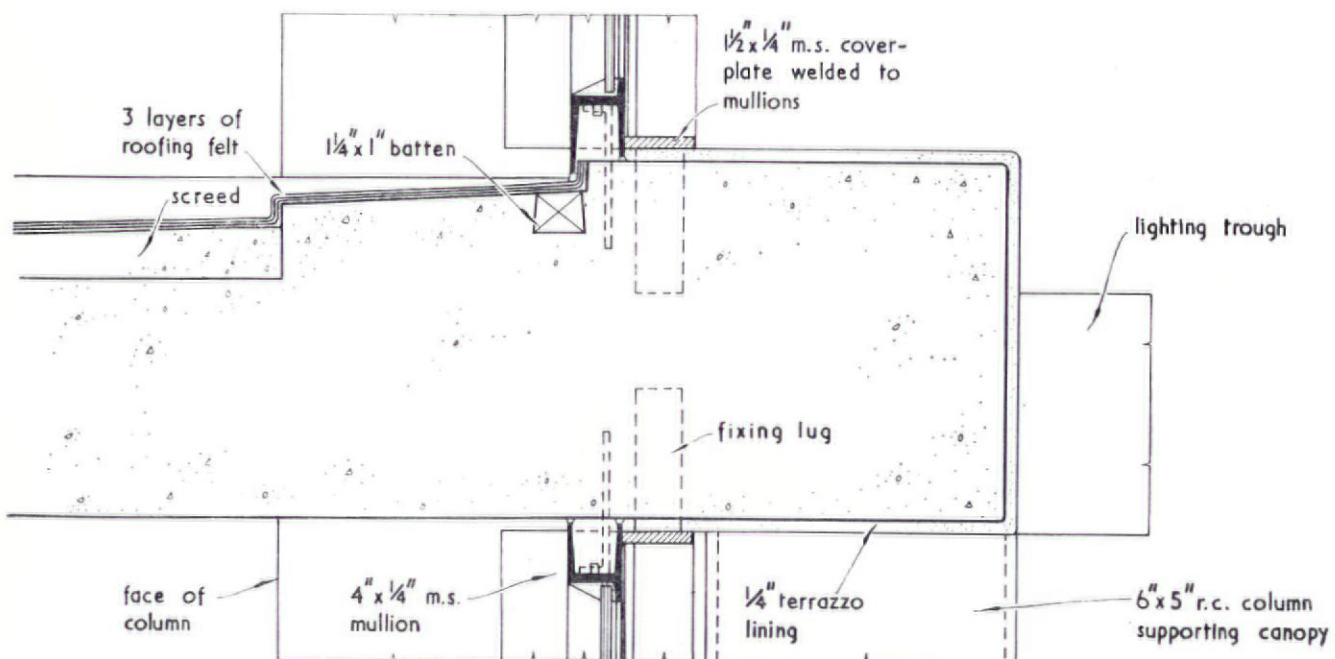
DETAIL AT A. scale $\frac{1}{4}$ full size



PLAN OF CANOPY.
scale $\frac{1}{8}" = 1'-0"$



DETAIL AT EAVES. scale $\frac{1}{4}$ full size

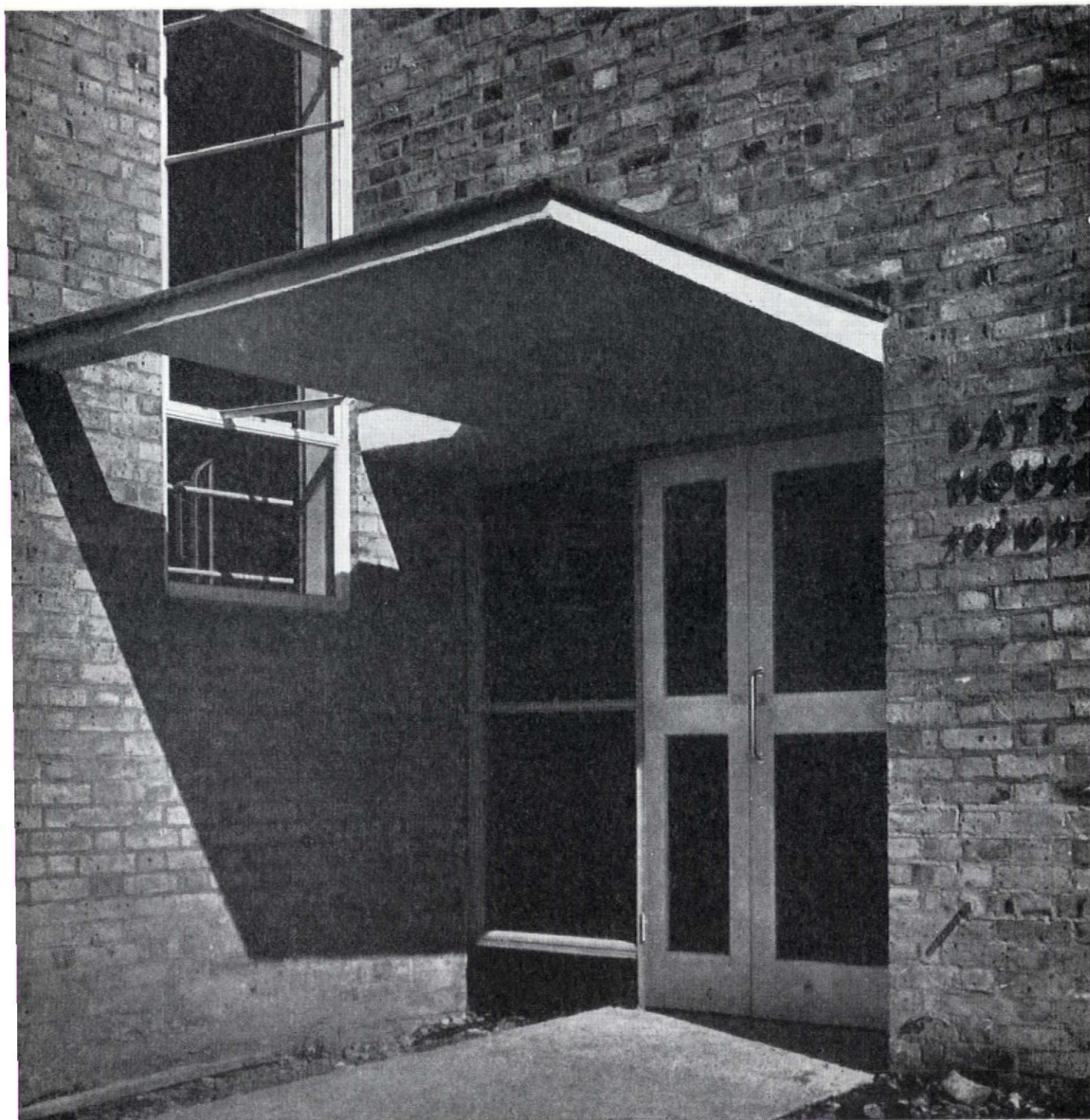


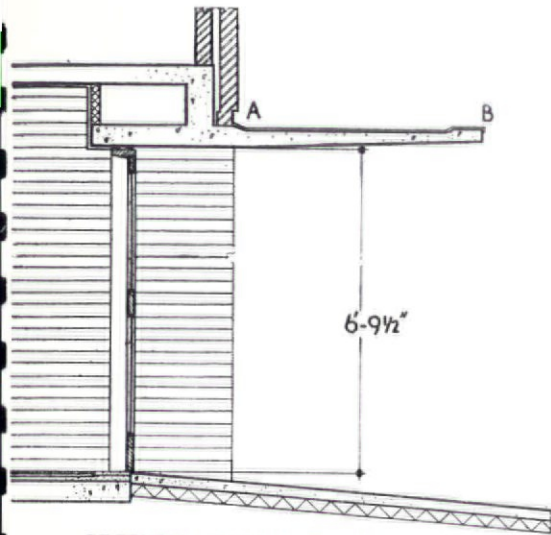
DETAIL AT B. scale $\frac{1}{4}$ full size

CANOPY OVER ENTRANCE DOOR: FLATS AT STEVENAGE

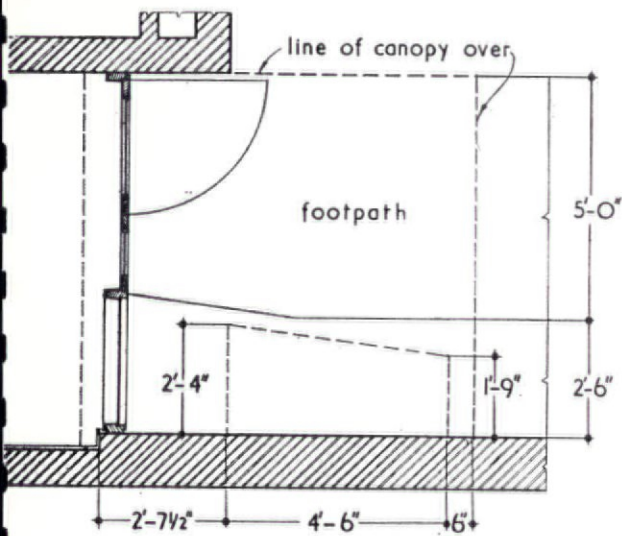
DESIGNED BY F. R. S. YORKE, E. ROSENBERG AND C. S. MARDALL
IN COLLABORATION WITH C. HOLLIDAY

*The recess in the canopy allows the stairway
window to open, and admits light to the lower
part of the stair*

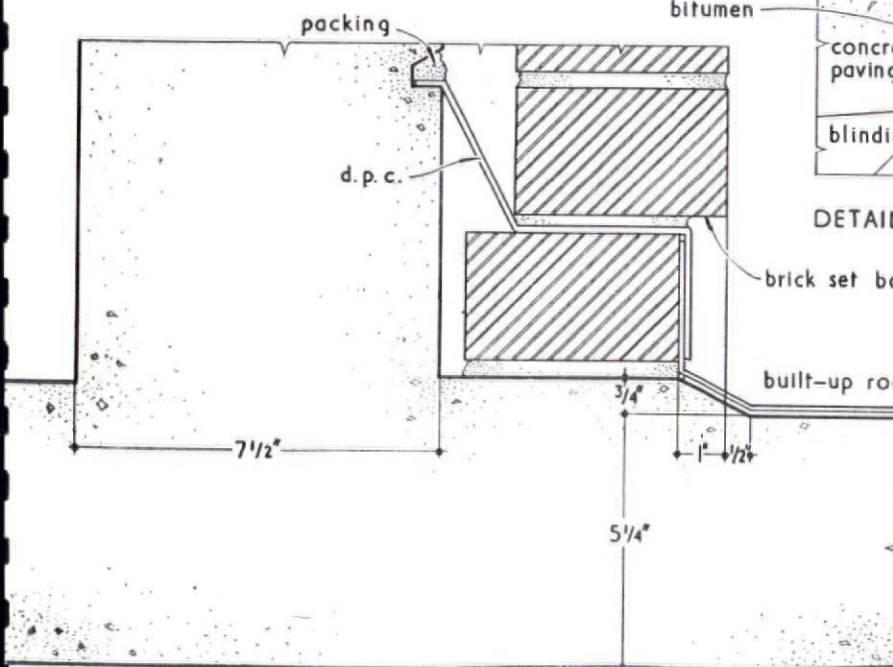




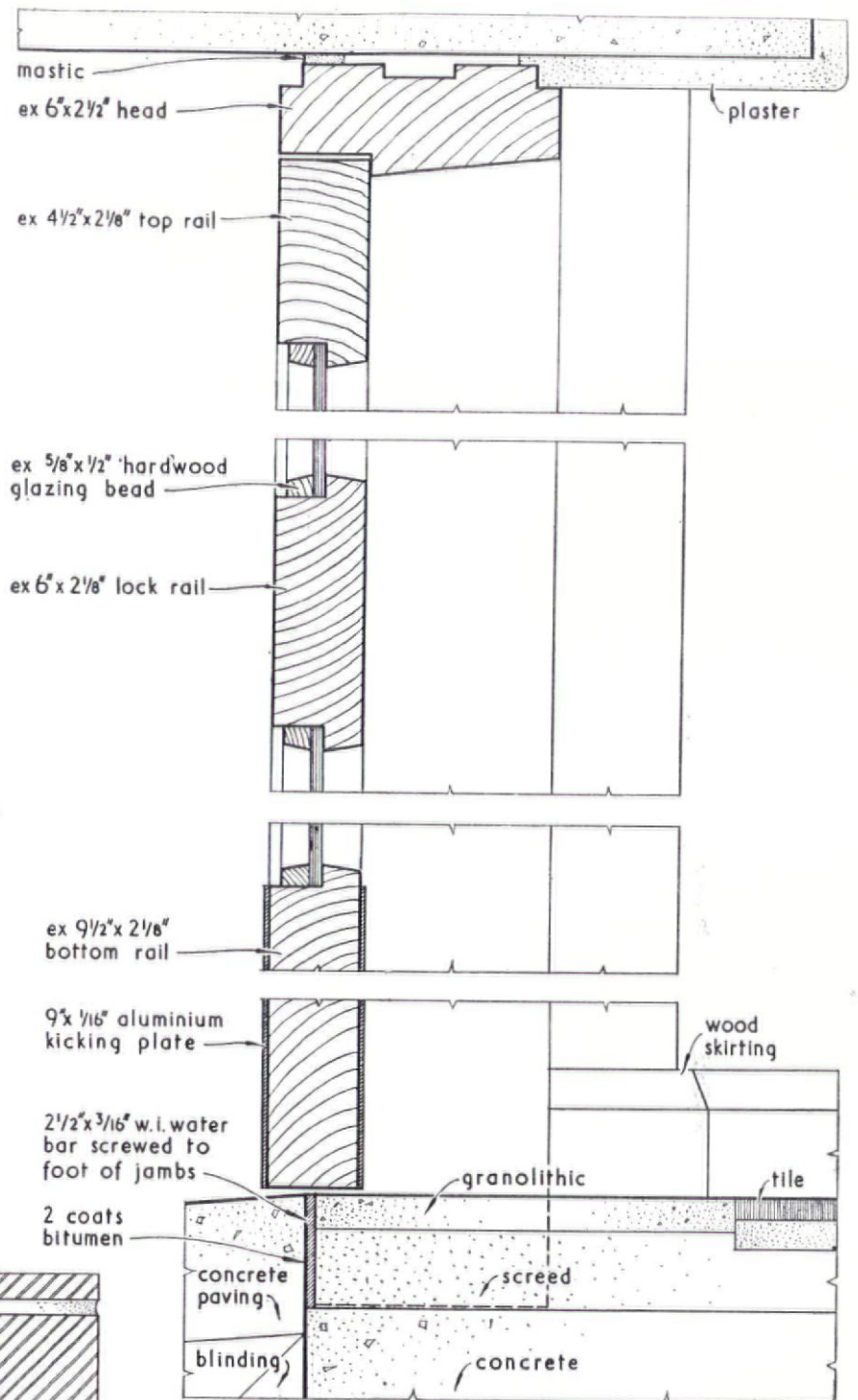
SECTION THRO' DOOR.
scale $\frac{1}{4}$ " = 1'-0"



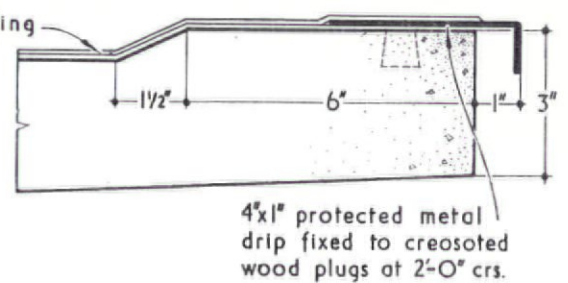
PLAN.
scale $\frac{1}{4}$ " = 1'-0"



DETAIL AT A. scale $\frac{1}{4}$ full size



DETAIL THRO' DOOR. scale $\frac{1}{4}$ full size.



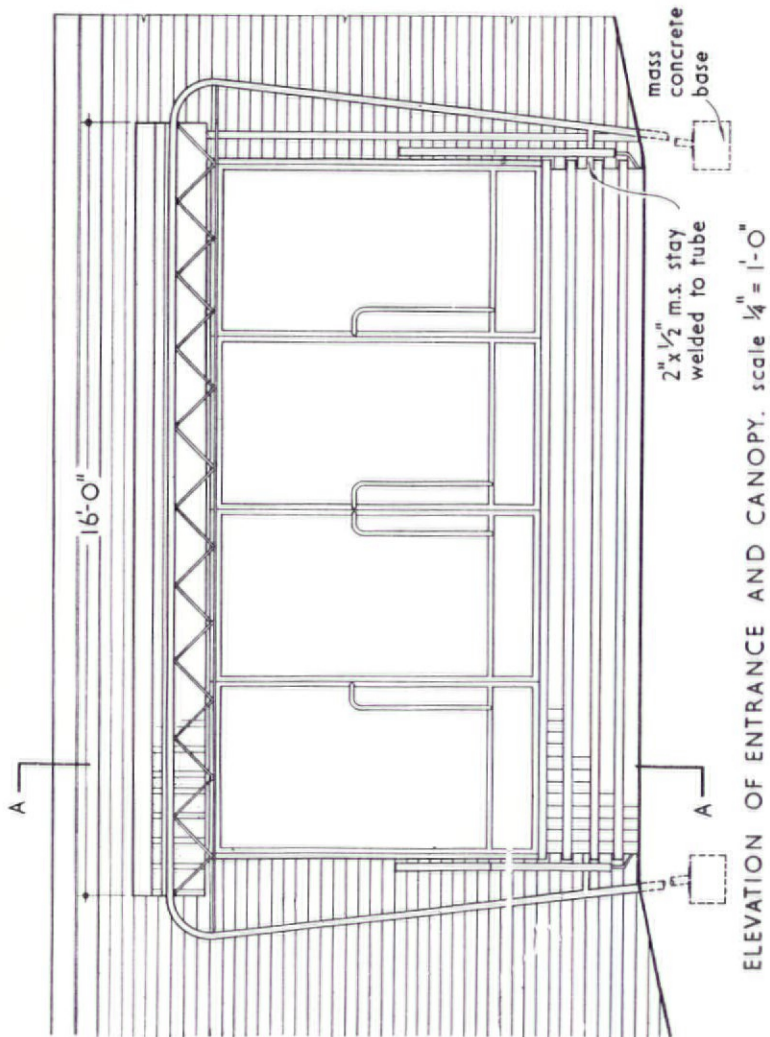
DETAIL AT B. scale $\frac{1}{4}$ full size

CANOPY OVER ENTRANCE DOORS : SCHOOL AT ST. PAUL'S CRAY

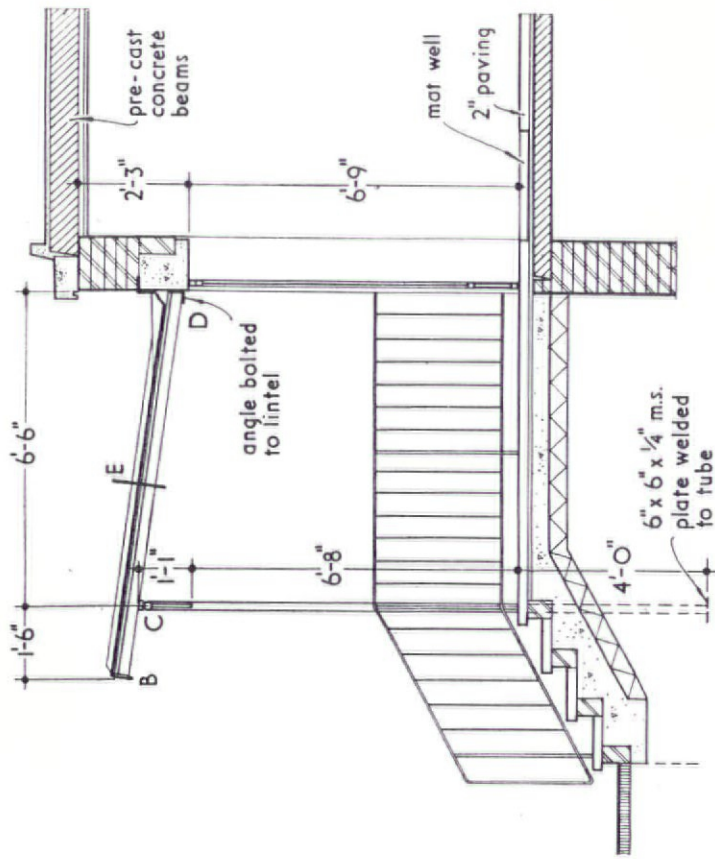
DESIGNED BY ELIE MAYORCAS IN COLLABORATION WITH S. H. LOWETH (architect to the Kent County Council)

The canopy is of aluminium decking and is supported at the front by a tubular steel frame and at the wall on a steel angle

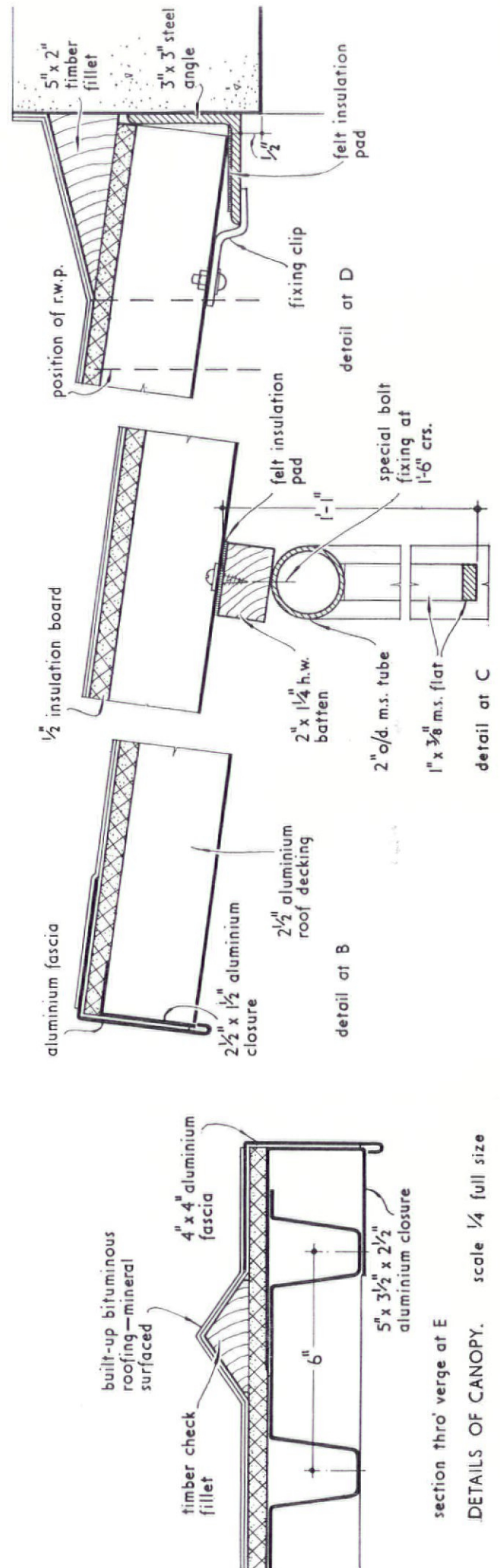




ELEVATION OF ENTRANCE AND CANOPY. scale 1/4" = 1'-0"



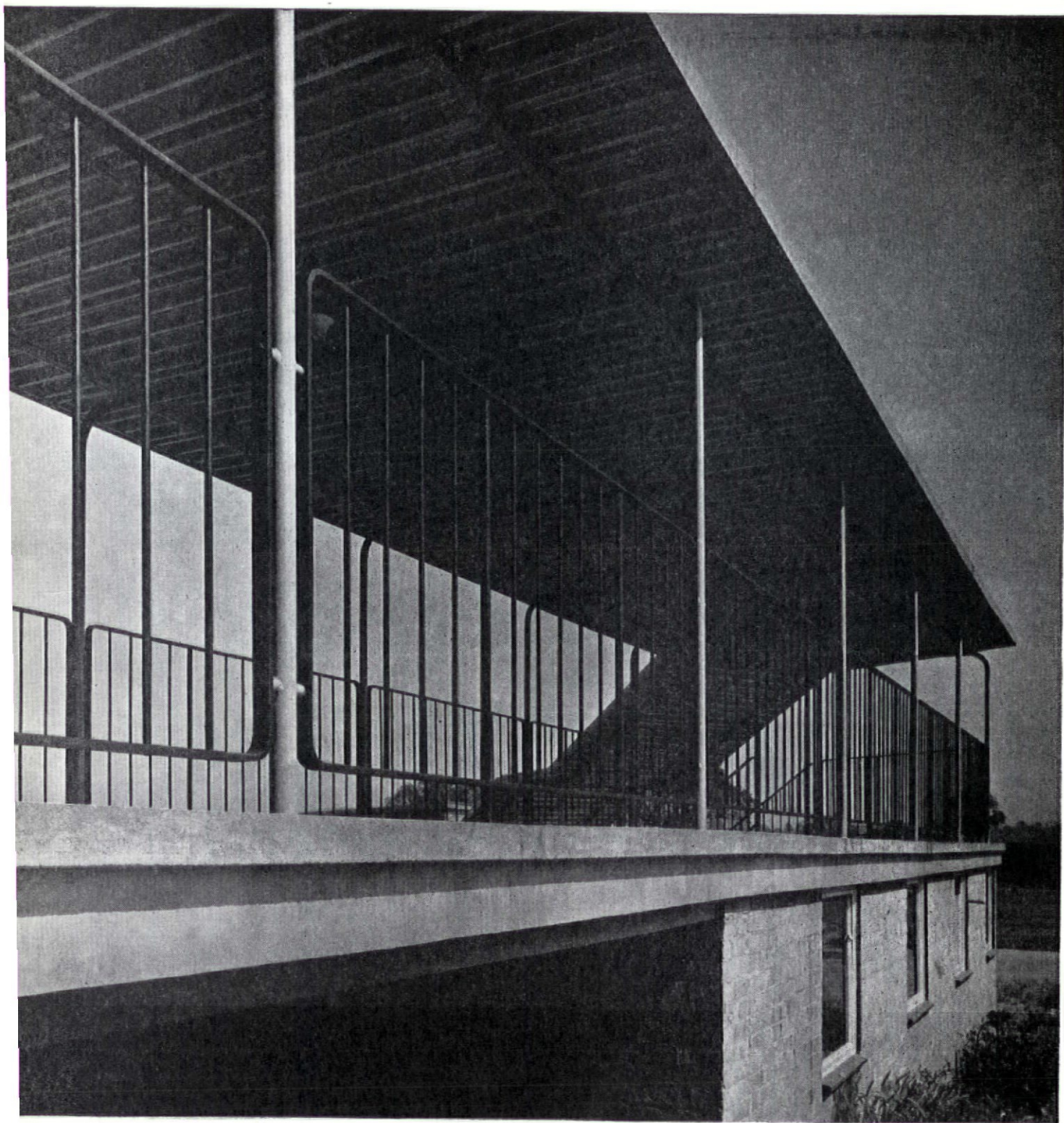
SECTION A-A.



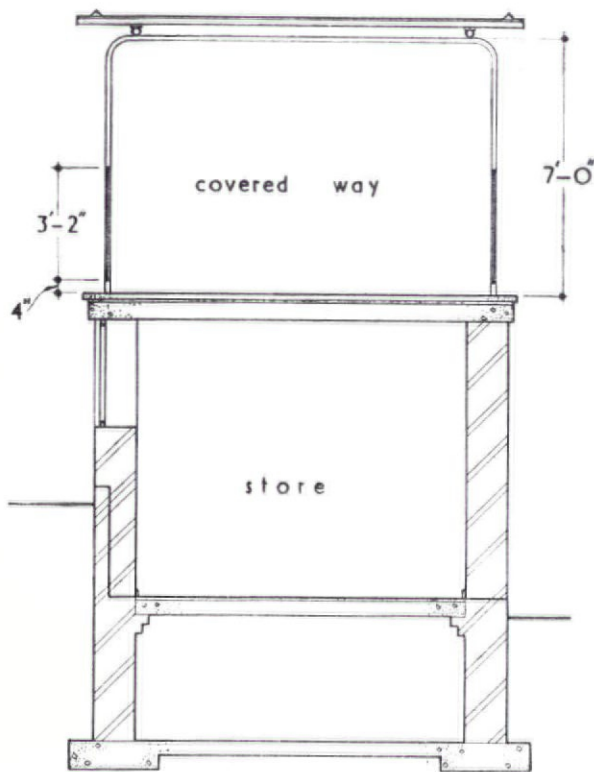
COVERED WAY : SCHOOL AT ST. PAUL'S CRAY

DESIGNED BY ELIE MAYORCAS IN COLLABORATION WITH S. H. LOWETH (architect to the Kent County Council)

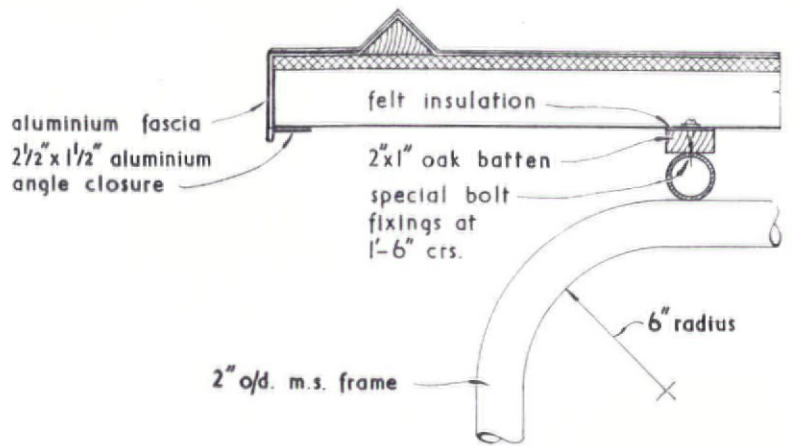
The roof to the covered way and staircase is of aluminium decking supported on tubular steel frames and purlins



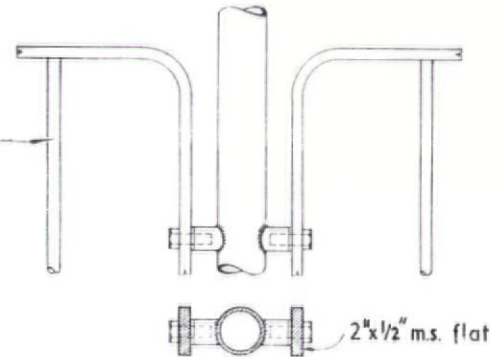
COVERED WAYS AND CANOPIES



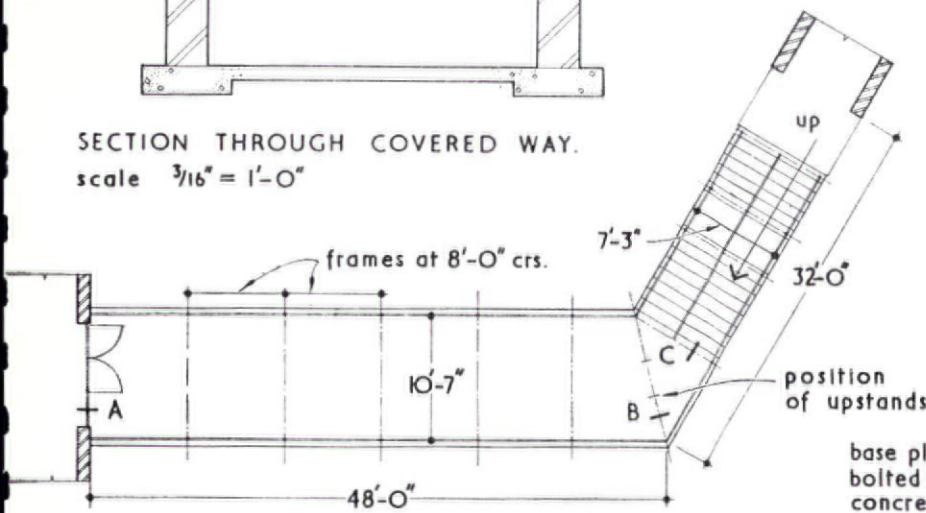
SECTION THROUGH COVERED WAY.
scale $\frac{3}{16}" = 1'-0"$



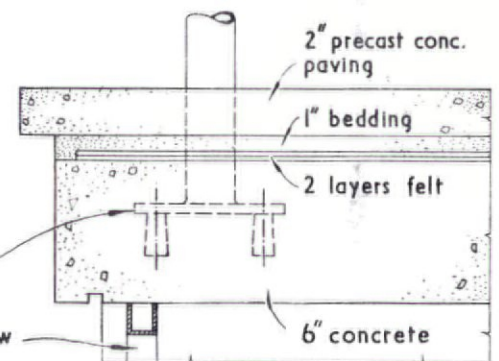
1/2" dia. m.s. rods



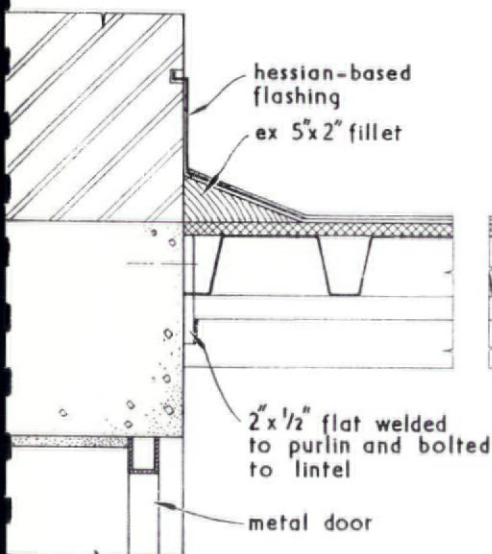
plan and elevation of balustrade



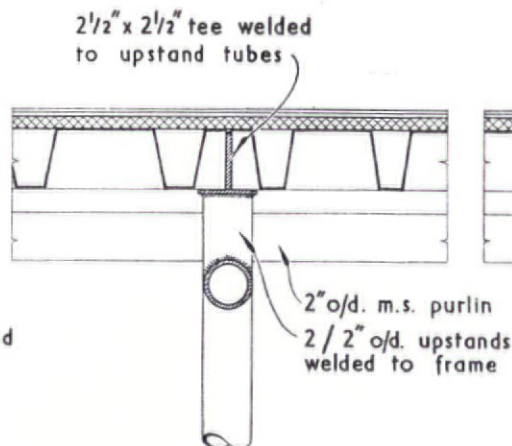
PLAN. scale $\frac{1}{16}" = 1'-0"$



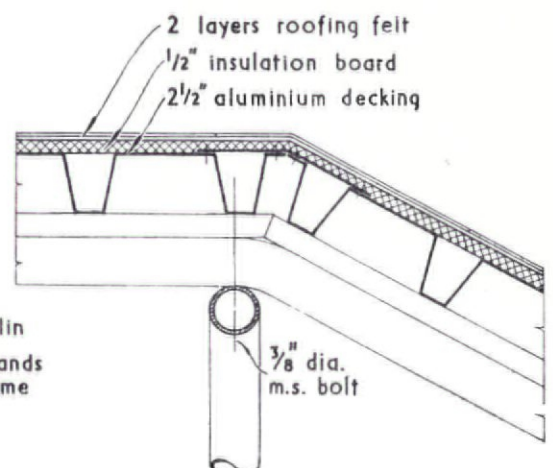
DETAIL OF FRAME.
scale $\frac{1}{2}" = 1'-0"$



DETAILS OF ROOF AT A, B AND C.



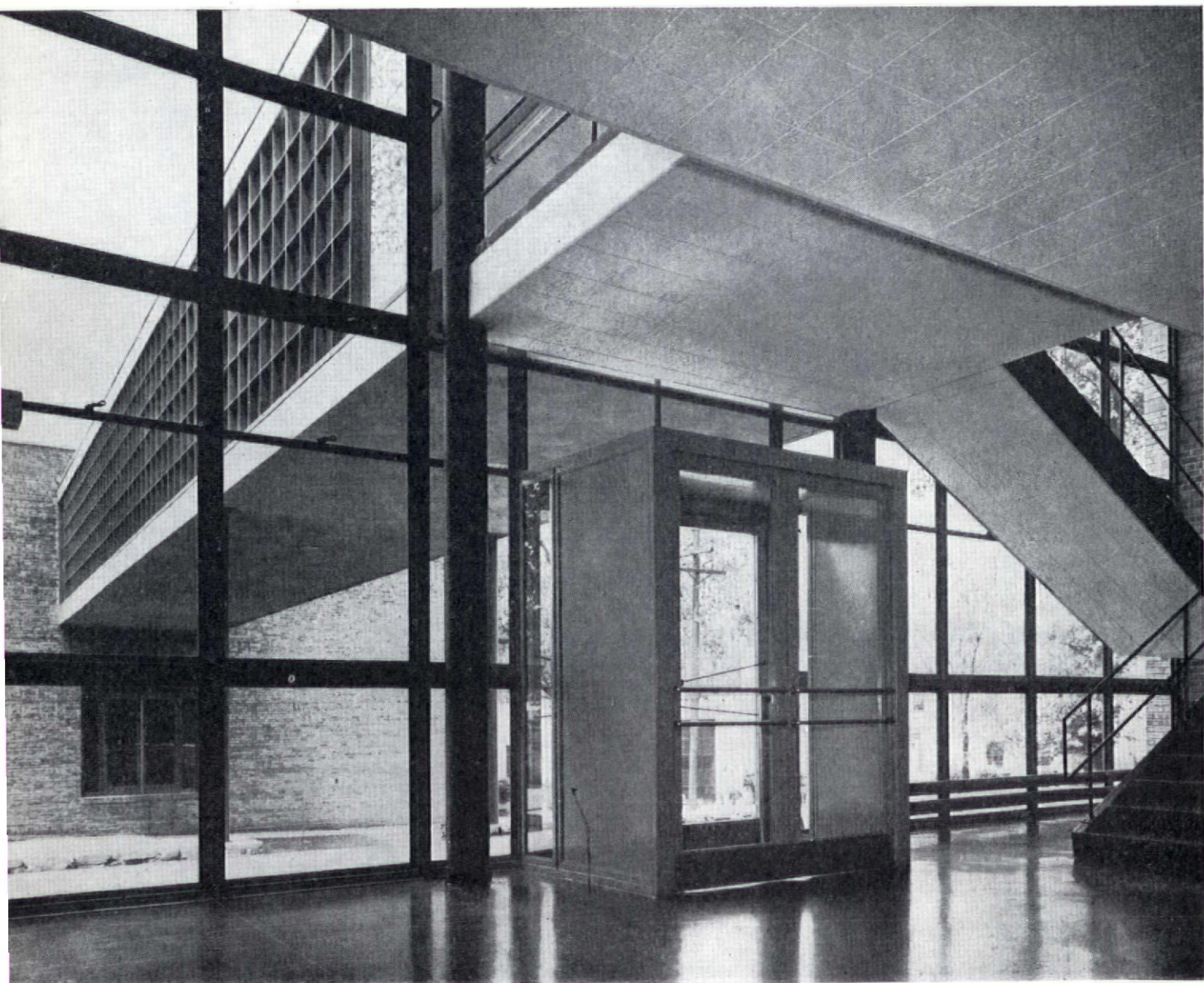
scale $\frac{1}{2}" = 1'-0"$

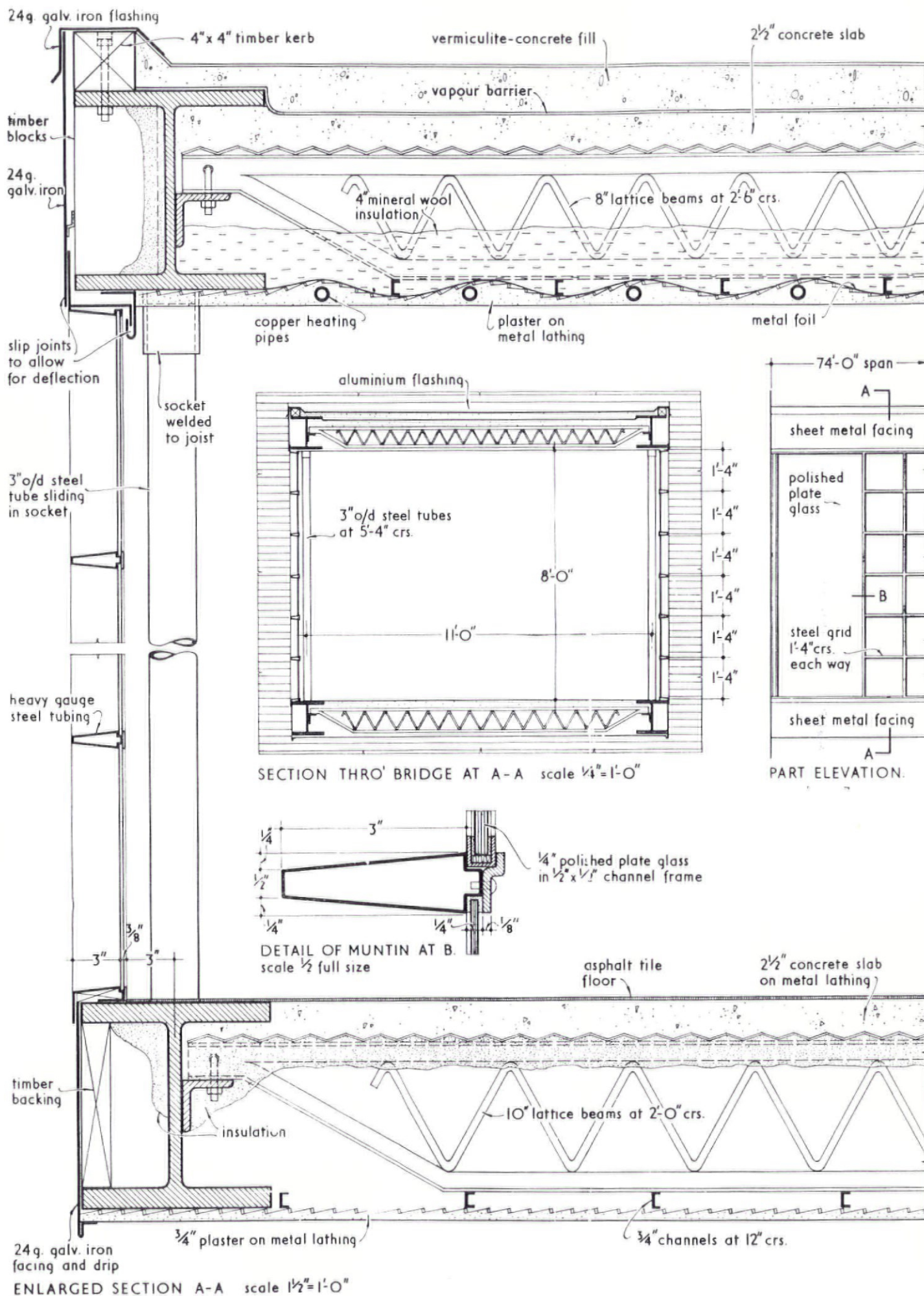


CONNECTING BRIDGE : UNIVERSITY BUILDINGS, DES MOINES, IOWA

DESIGNED BY SAARINEN, SWANSON AND SAARINEN IN COLLABORATION WITH BROOKE-BORG

The bridge connecting the two-storey buildings at first floor level has walls of glass panes framed in a steel grid, with plate-glass panels extending the full height of the corridor at each end





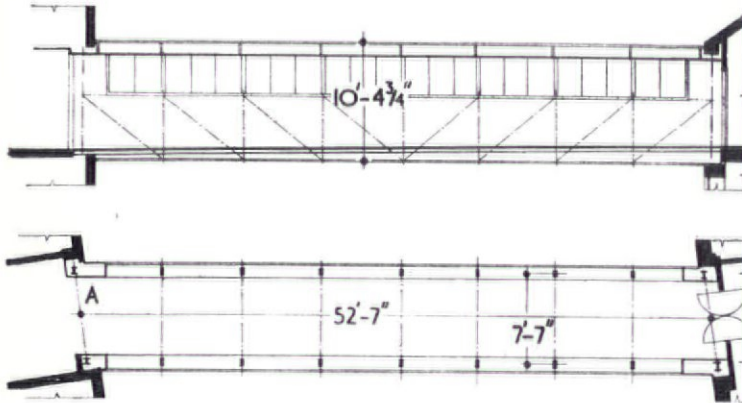
CONNECTING BRIDGE: POLYTECHNIC IN LONDON, S.E.1

DESIGNED BY NORMAN AND DAWBARN; JOHN MORETON AND PETER CLARK (assistants-in-charge);
TRAVERS MORGAN AND PARTNERS (consulting engineers)

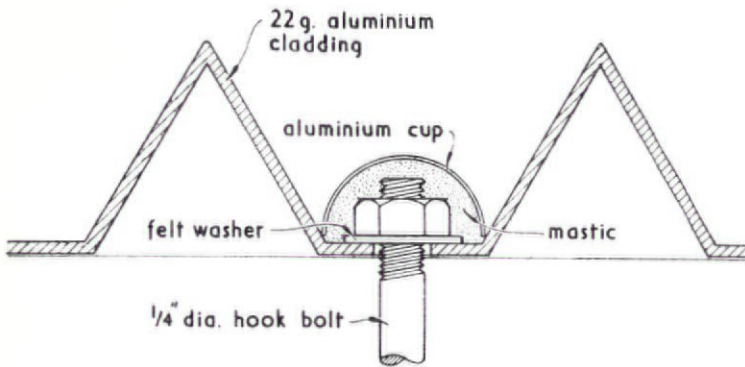
*The aluminium cladding conceals the steel
structure of the bridge and the sloping floor
between the old and new buildings*



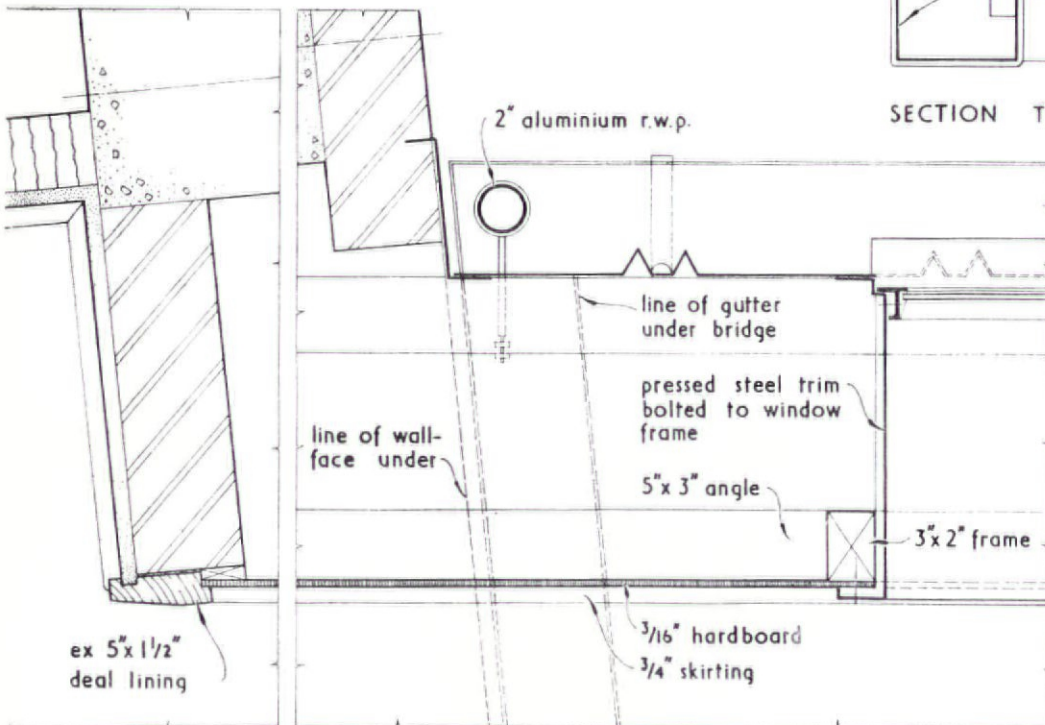
COVERED WAYS AND CANOPIES



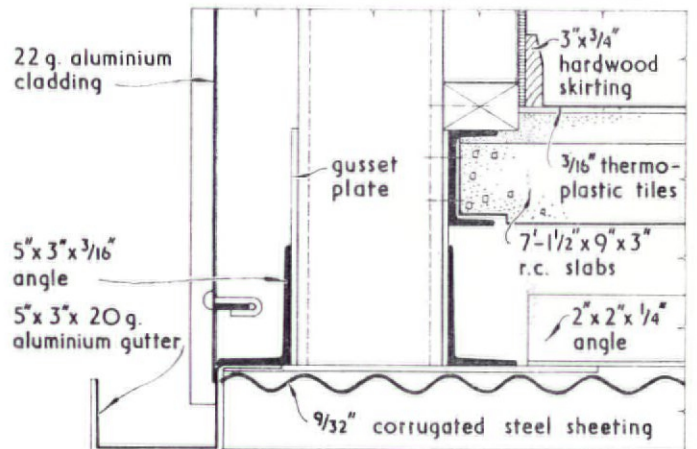
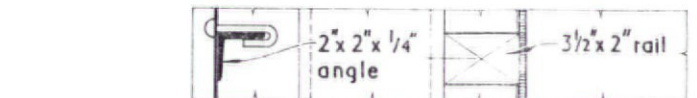
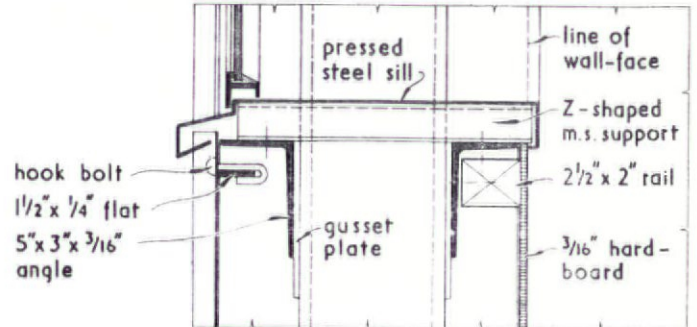
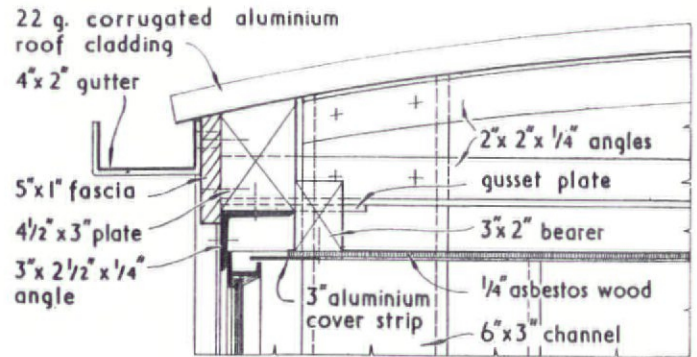
PLAN AND SECTION OF BRIDGE. scale 1/16" = 1'-0"



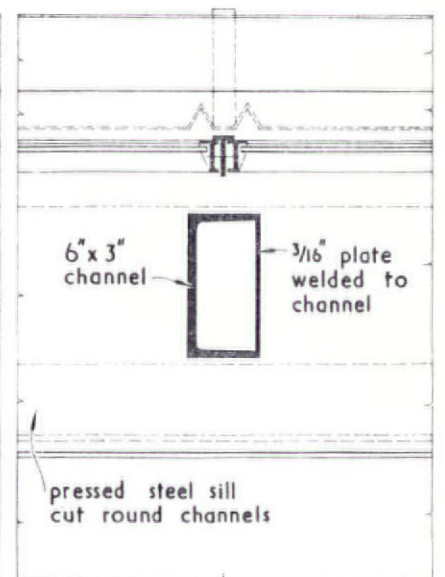
FIXING OF CLADDING. scale full size



PLAN AT A. scale 1 1/2" = 1'-0"

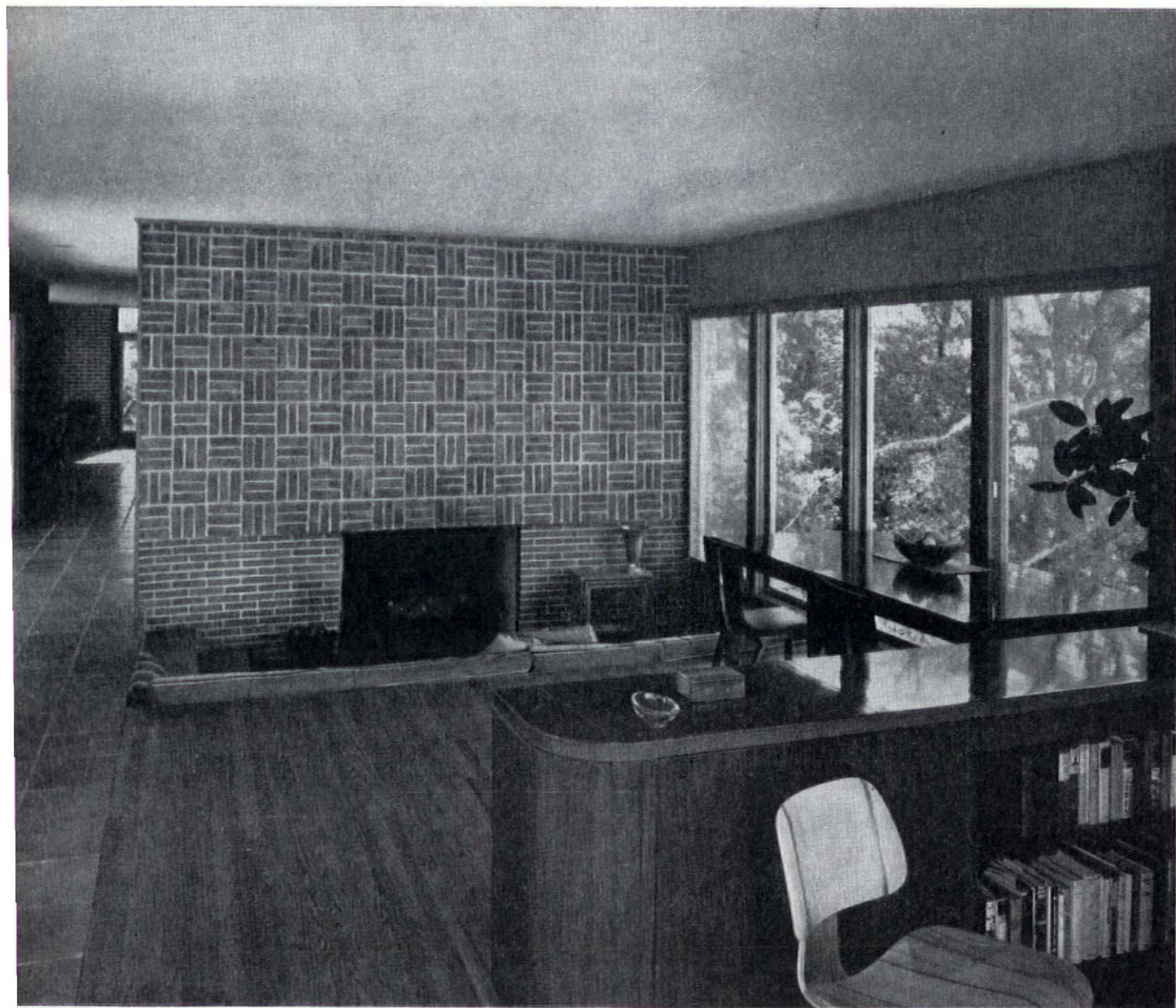


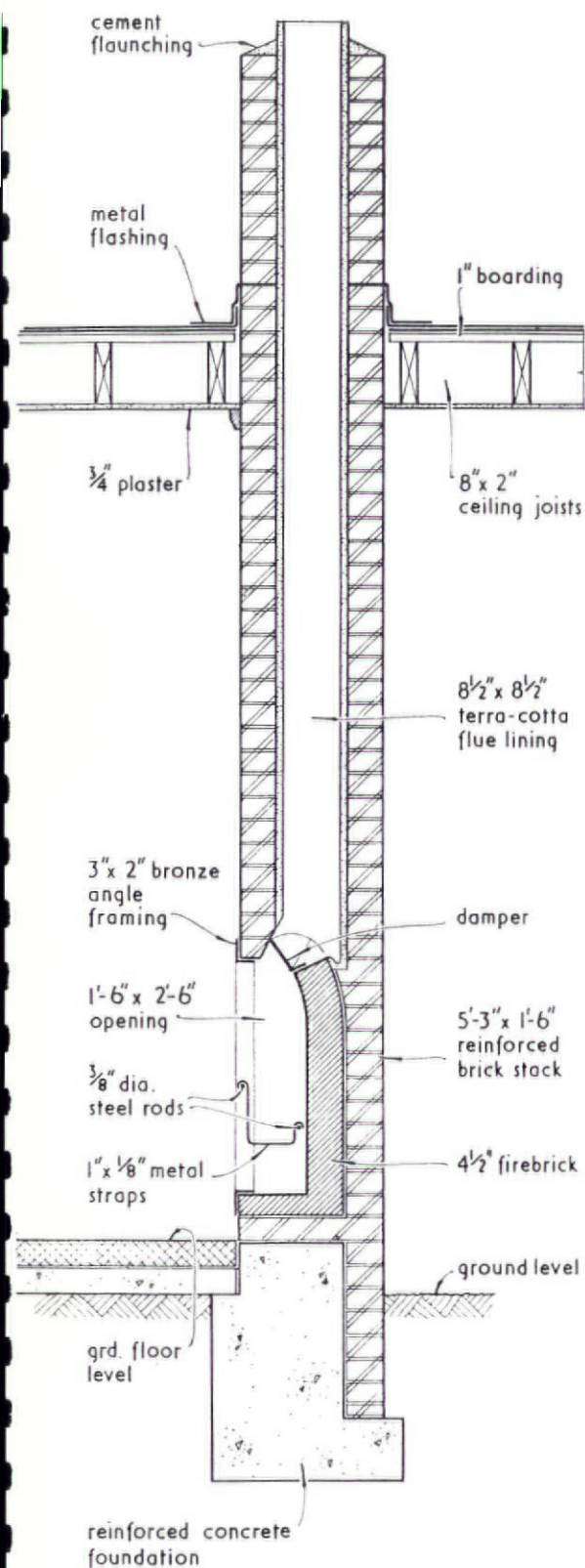
SECTION THRO' WALL. scale 1 1/2" = 1'-0"



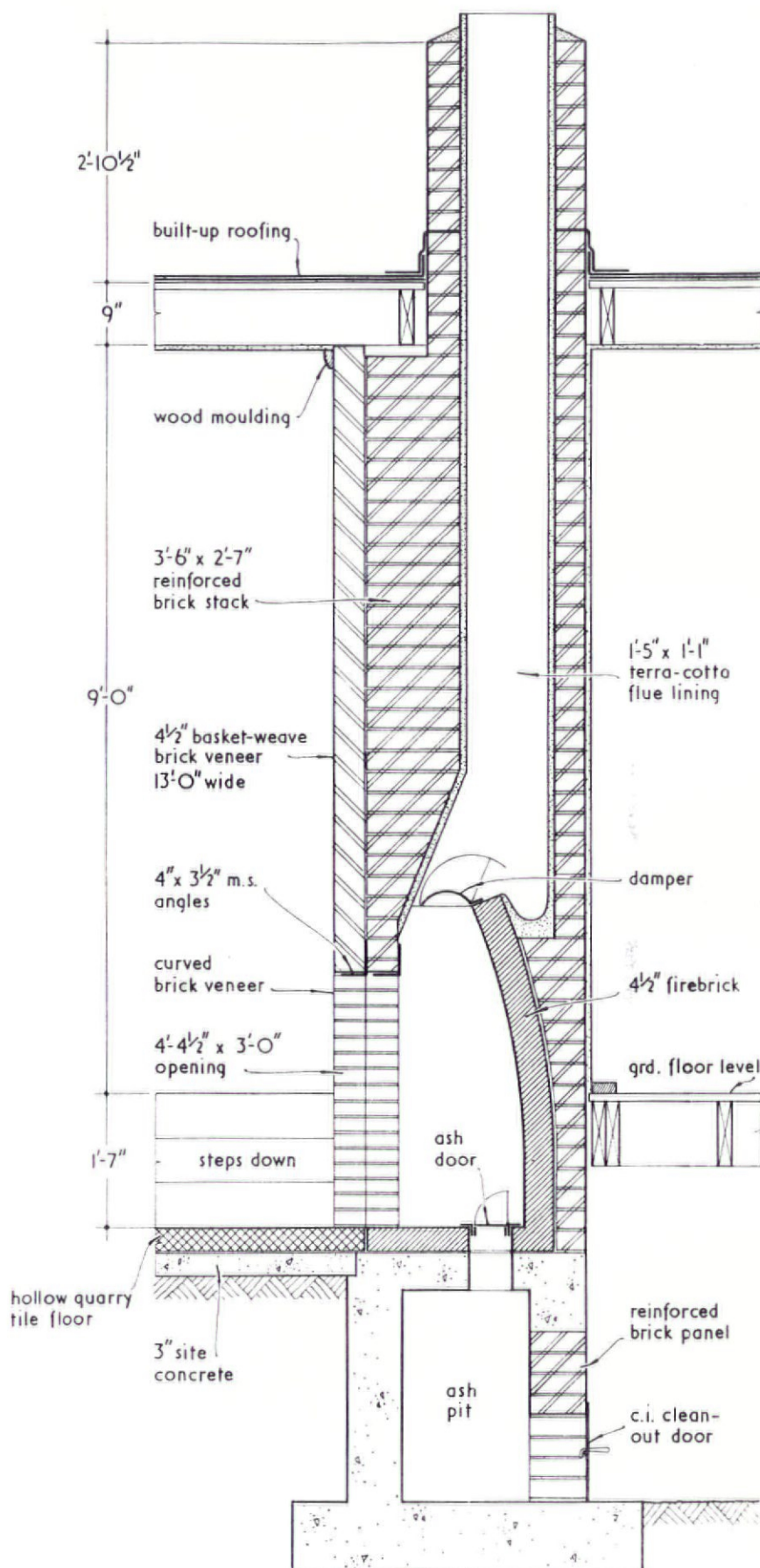
TWO FIREPLACES : HOUSE AT SAN RAFAEL, CALIFORNIA
DESIGNED BY FRANCIS JOSEPH MCCARTHY

The wide brick fireplace, which forms the end wall of the living-room, has a sunken hearth with a built-in lounge. The study fireplace may be glimpsed on the left of the photograph





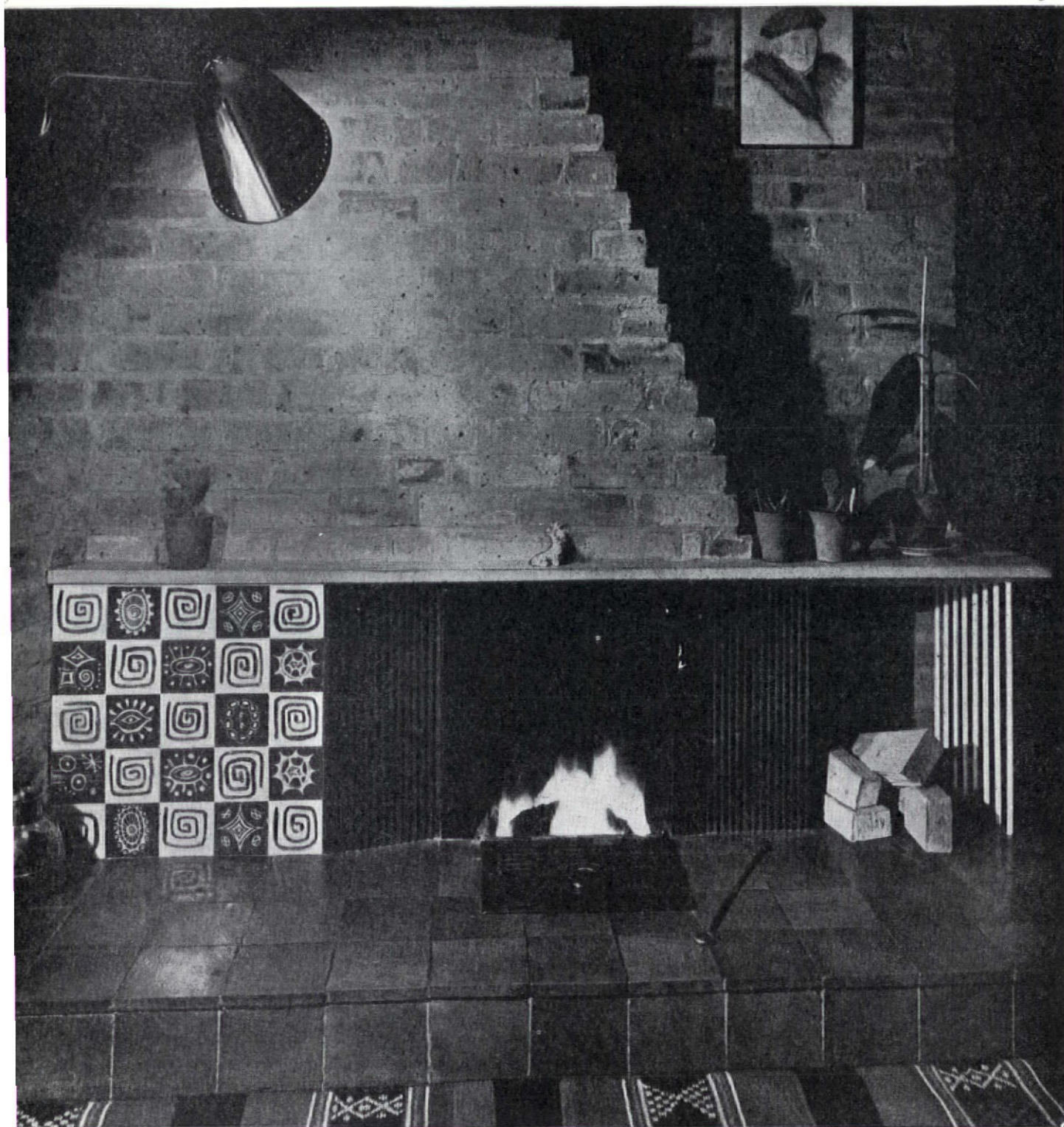
SECTION THRO' STUDY
FIREPLACE. scale 1/2" = 1'-0"

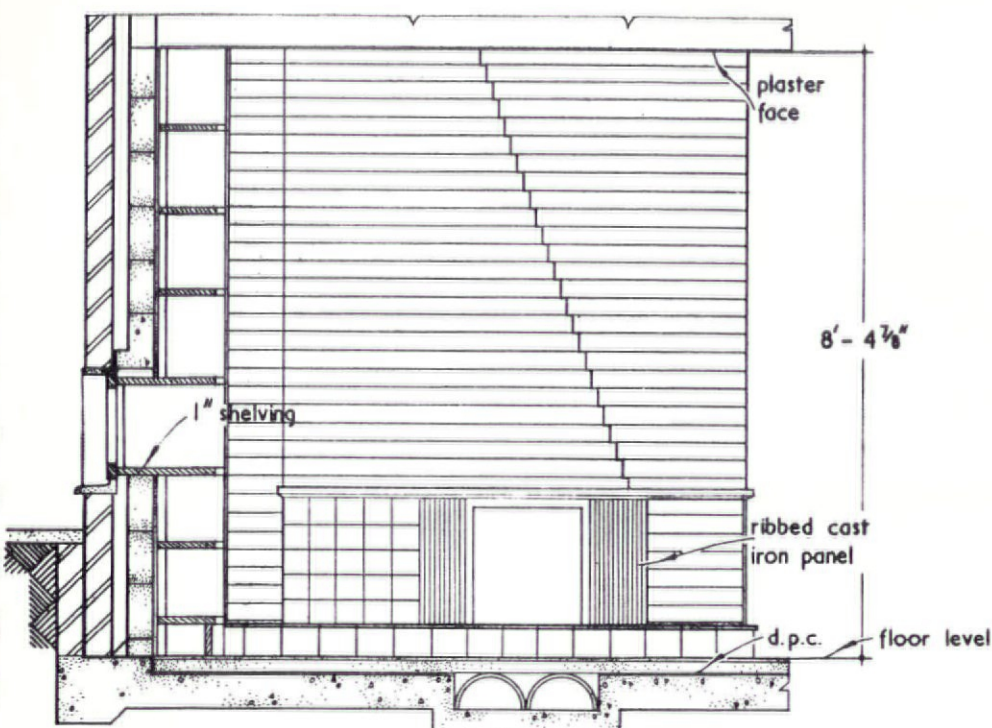


SECTION THRO' LIVING ROOM FIREPLACE,
scale 1/2" = 1'-0"

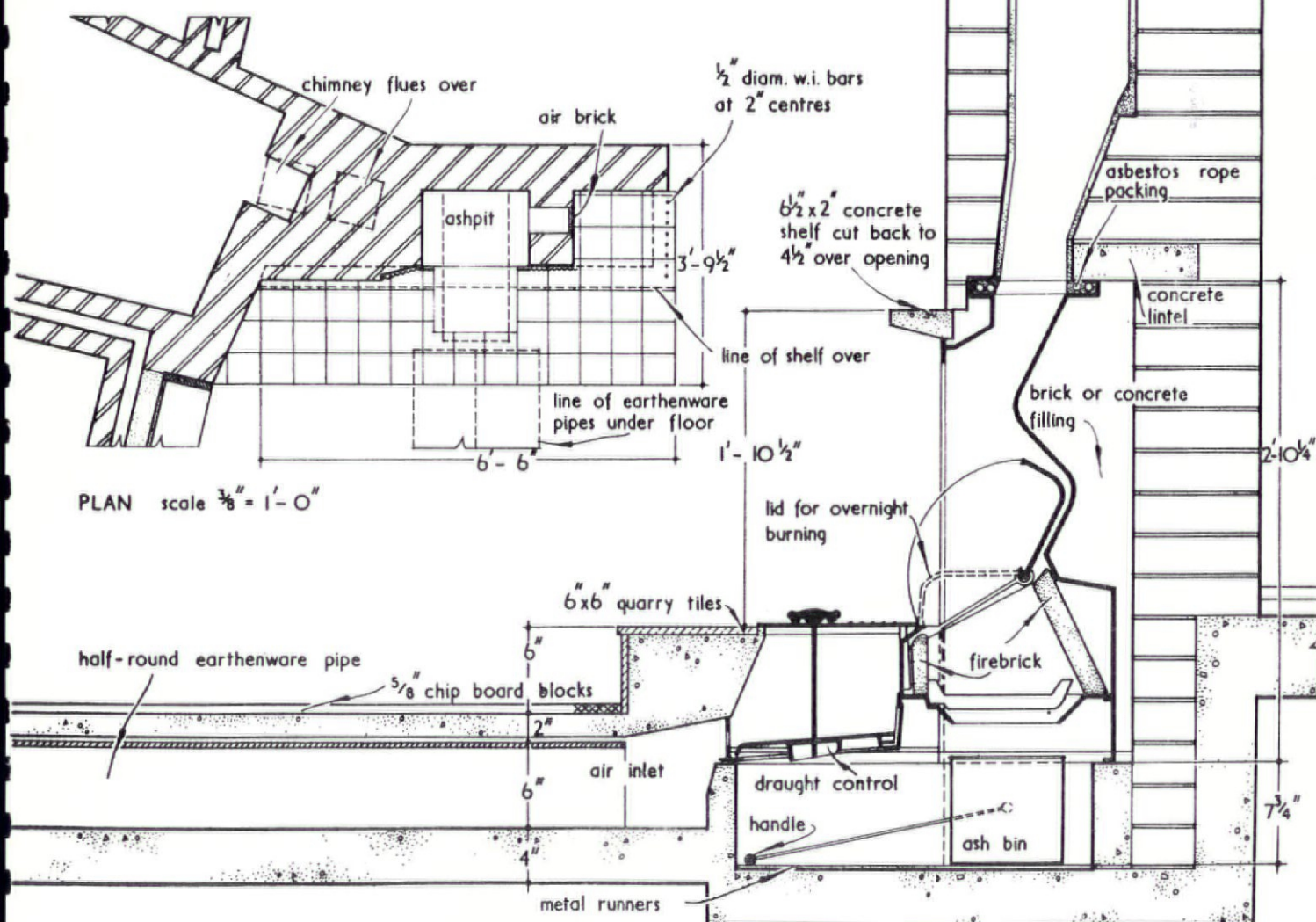
FIREPLACE: HOUSE AT WELWYN GARDEN CITY
DESIGNED BY ARCHITECTS' CO-OPERATIVE PARTNERSHIP

In addition to radiant heat the fire provides heat by convection, the hot air passing into the living room through an air brick under the mantelshelf. The decorative tiles were designed by Fred Millet





ELEVATION OF FIREPLACE

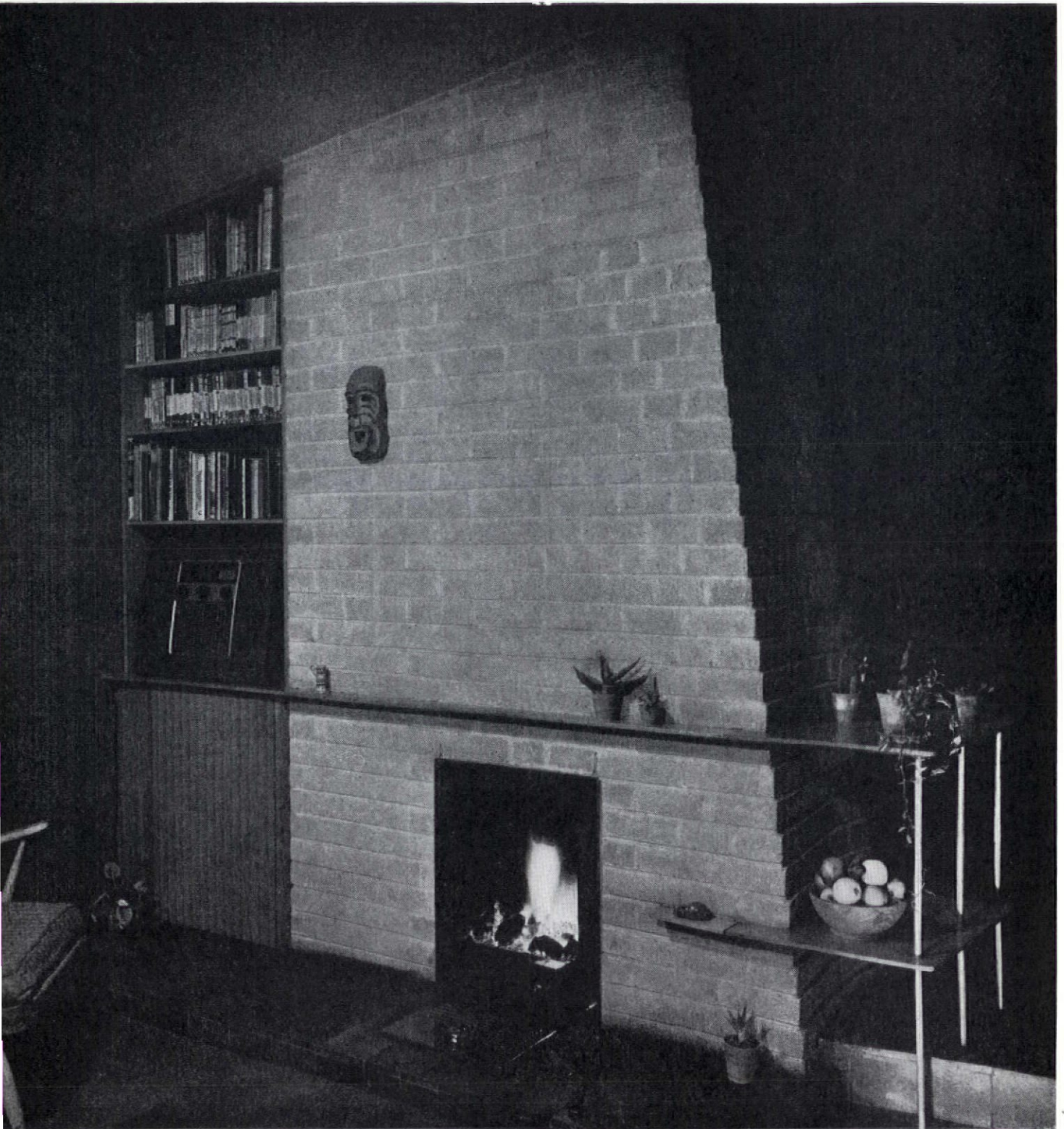


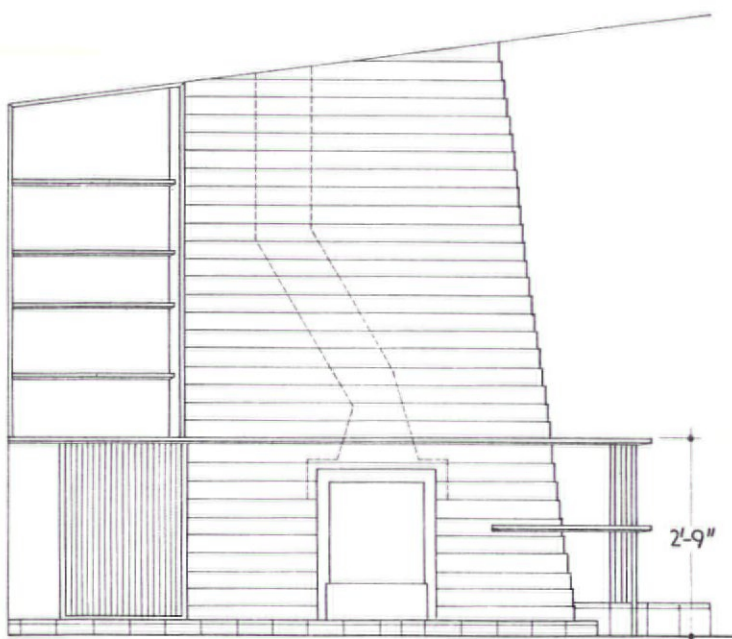
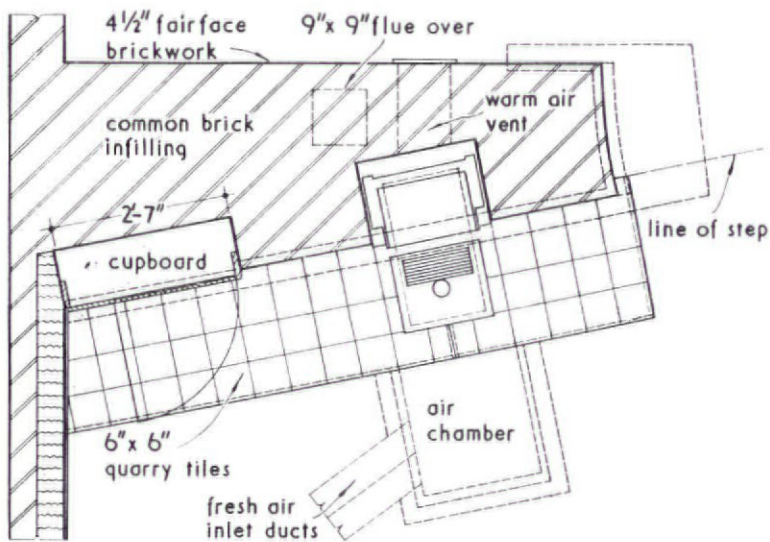
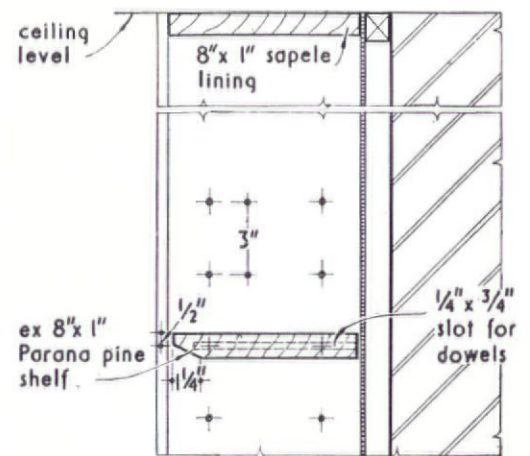
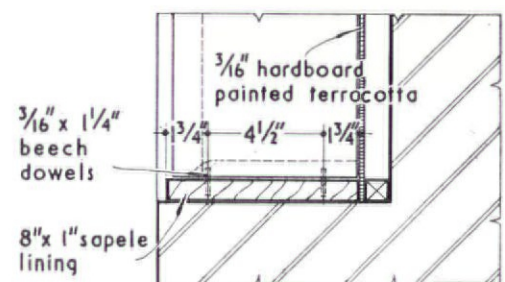
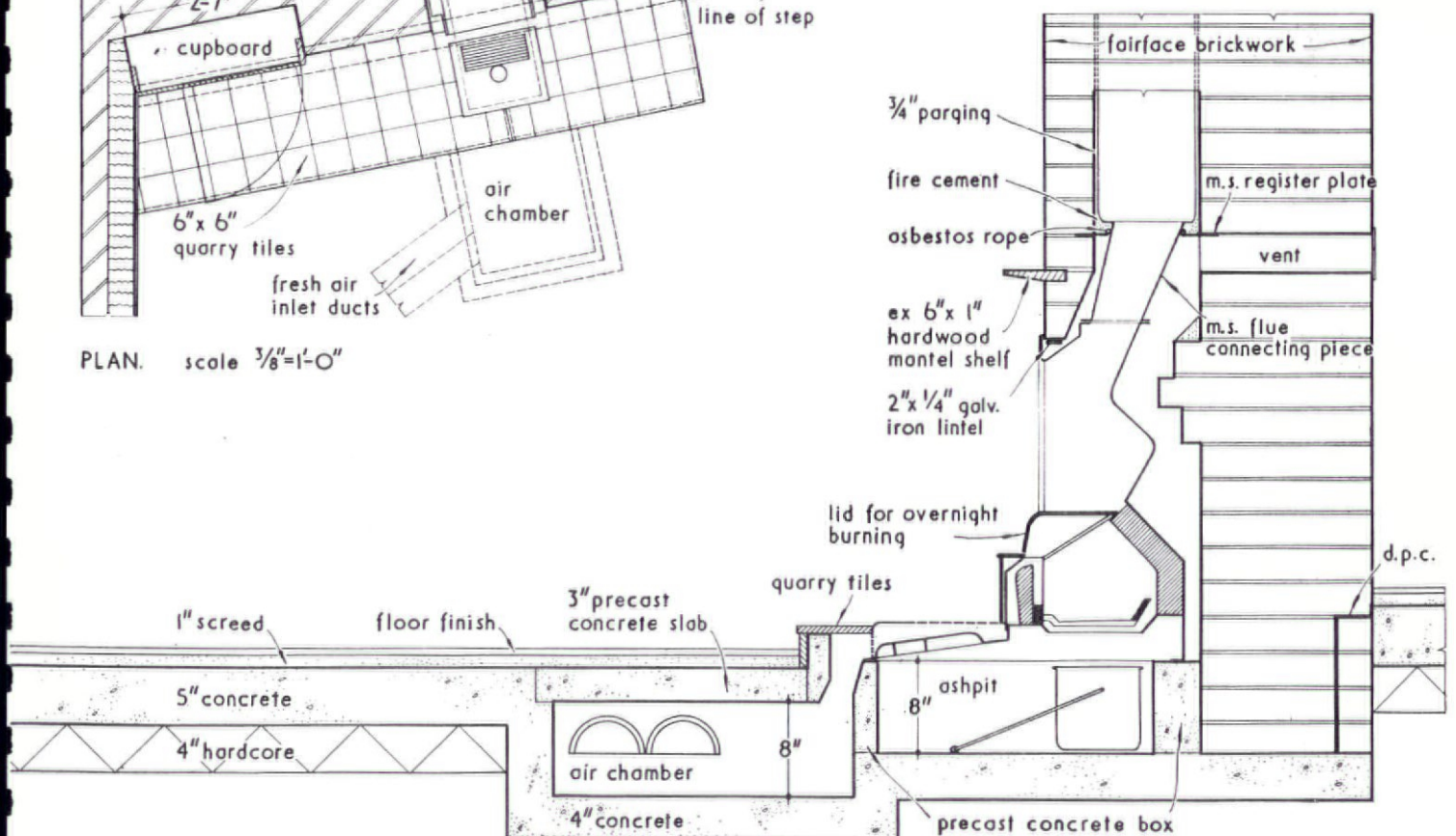
PLAN scale 3/8" = 1' - 0"

SECTION THROUGH FIREPLACE scale 1" = 1' - 0"

FIREPLACE: HOUSE AT WELWYN GARDEN CITY DESIGNED BY RICHARD J. NICHOL

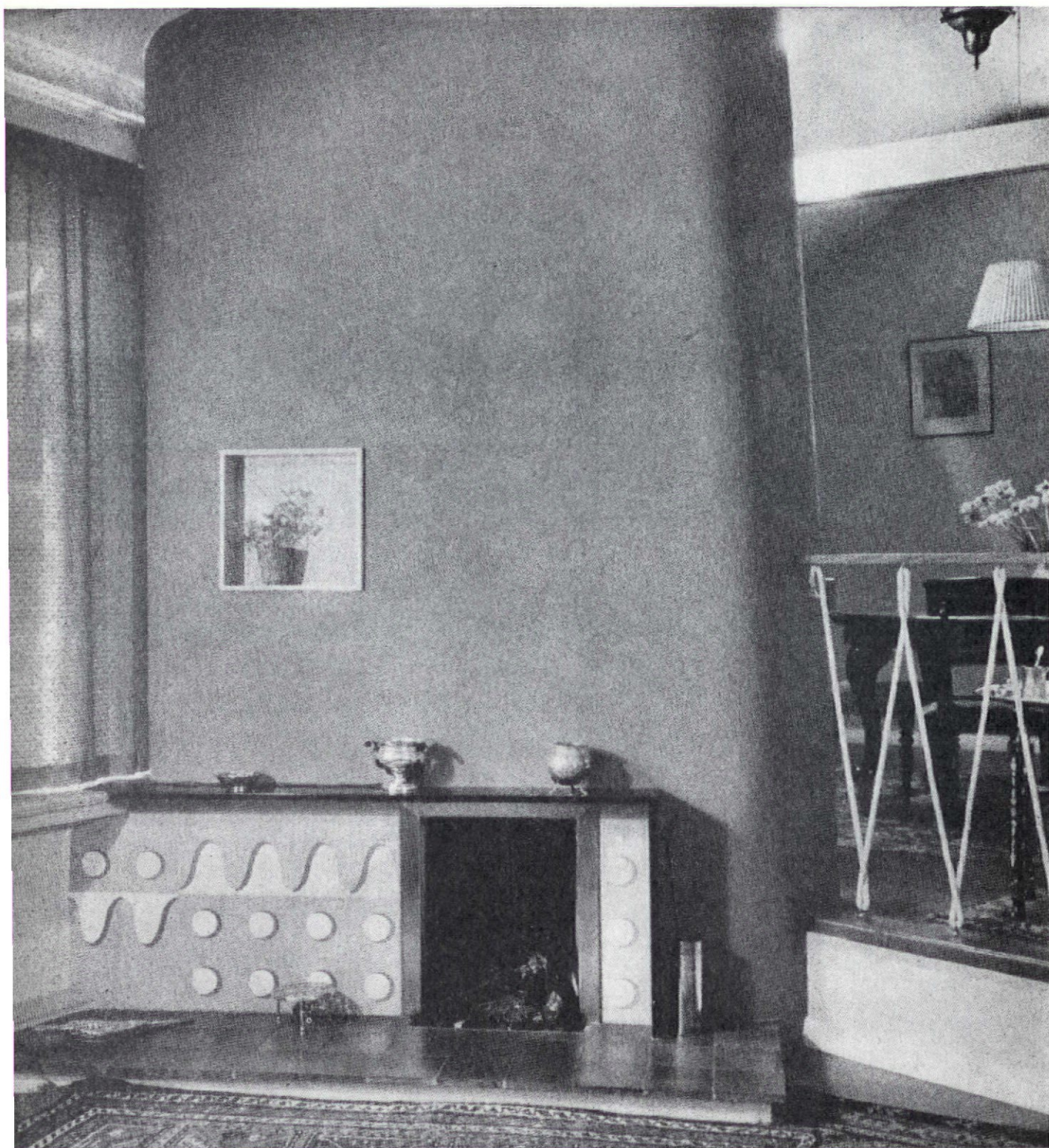
The fireplace in the living room is provided with air from ducts under the floor and heats the dining recess by means of a warm air outlet at the back

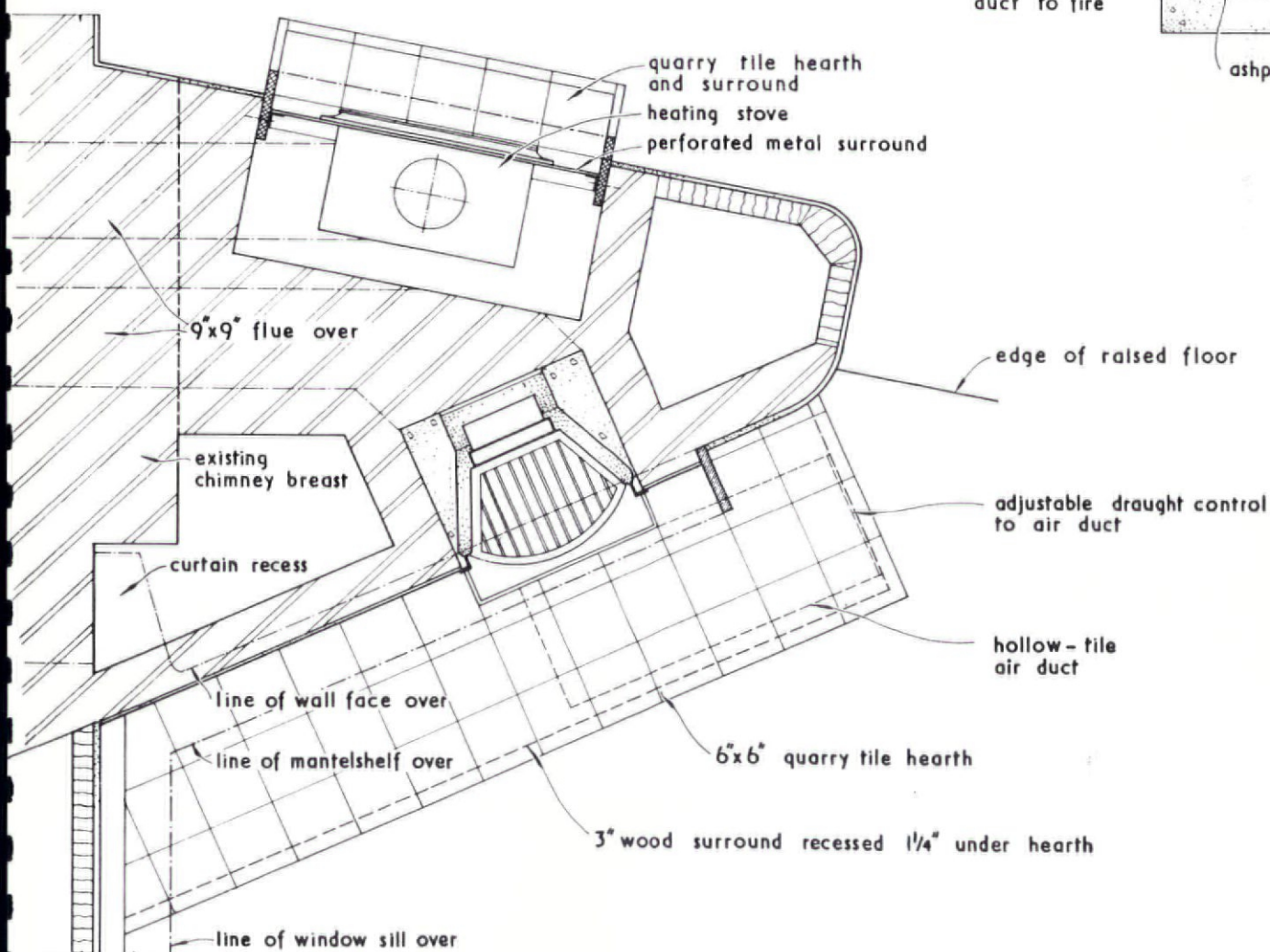
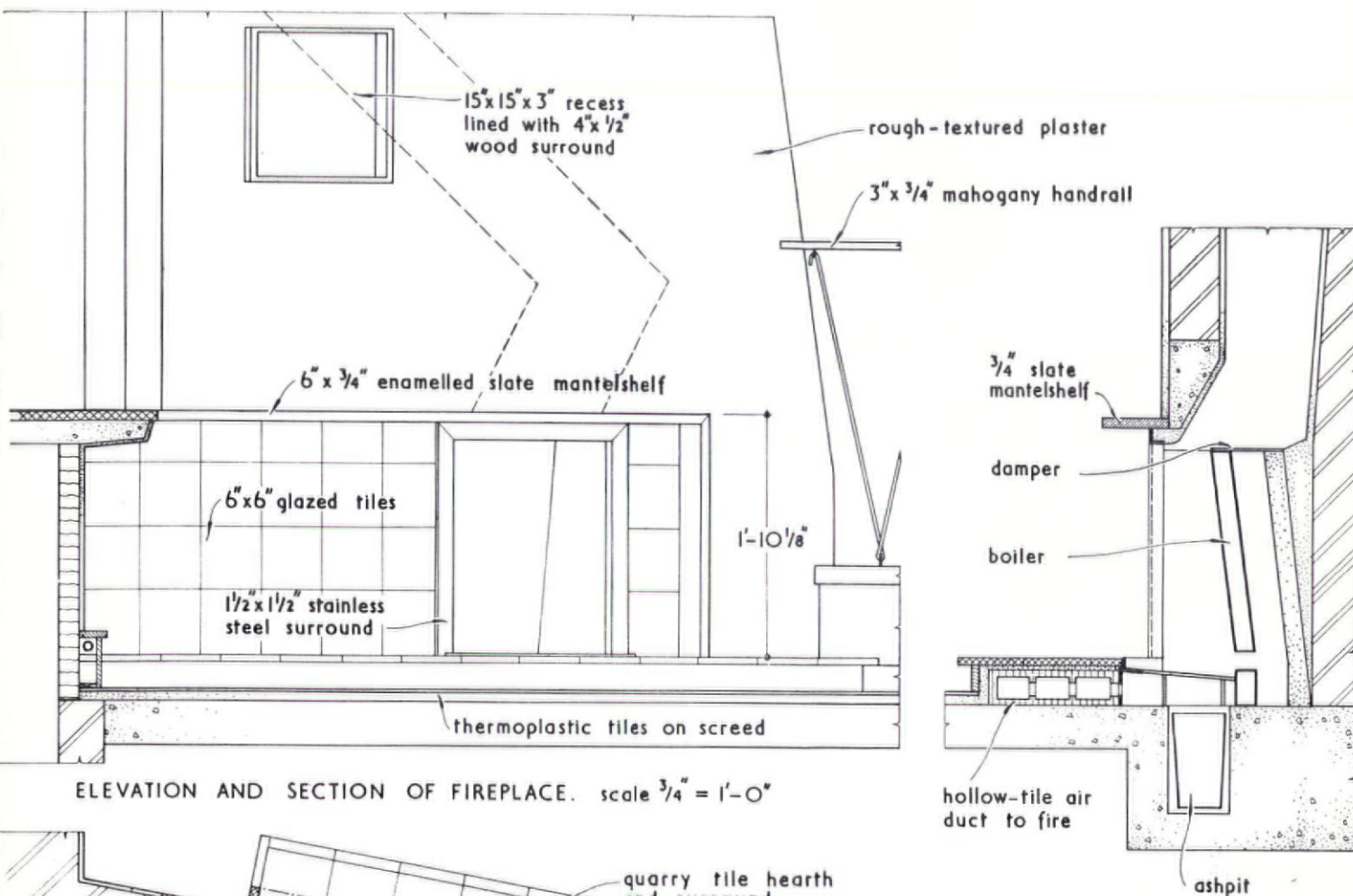


ELEVATION. scale $\frac{3}{8}$ "=1'-0"PLAN. scale $\frac{3}{8}$ "=1'-0"SECTION THRO' SHELF.
scale $1\frac{1}{2}$ "=1'-0"PLAN OF SHELF.
scale $1\frac{1}{2}$ "=1'-0"SECTION THRO' FIREPLACE. scale $\frac{3}{4}$ "=1'-0"

FIREPLACE: HOUSE AT BEDFORD
DESIGNED BY IAN WARWICK

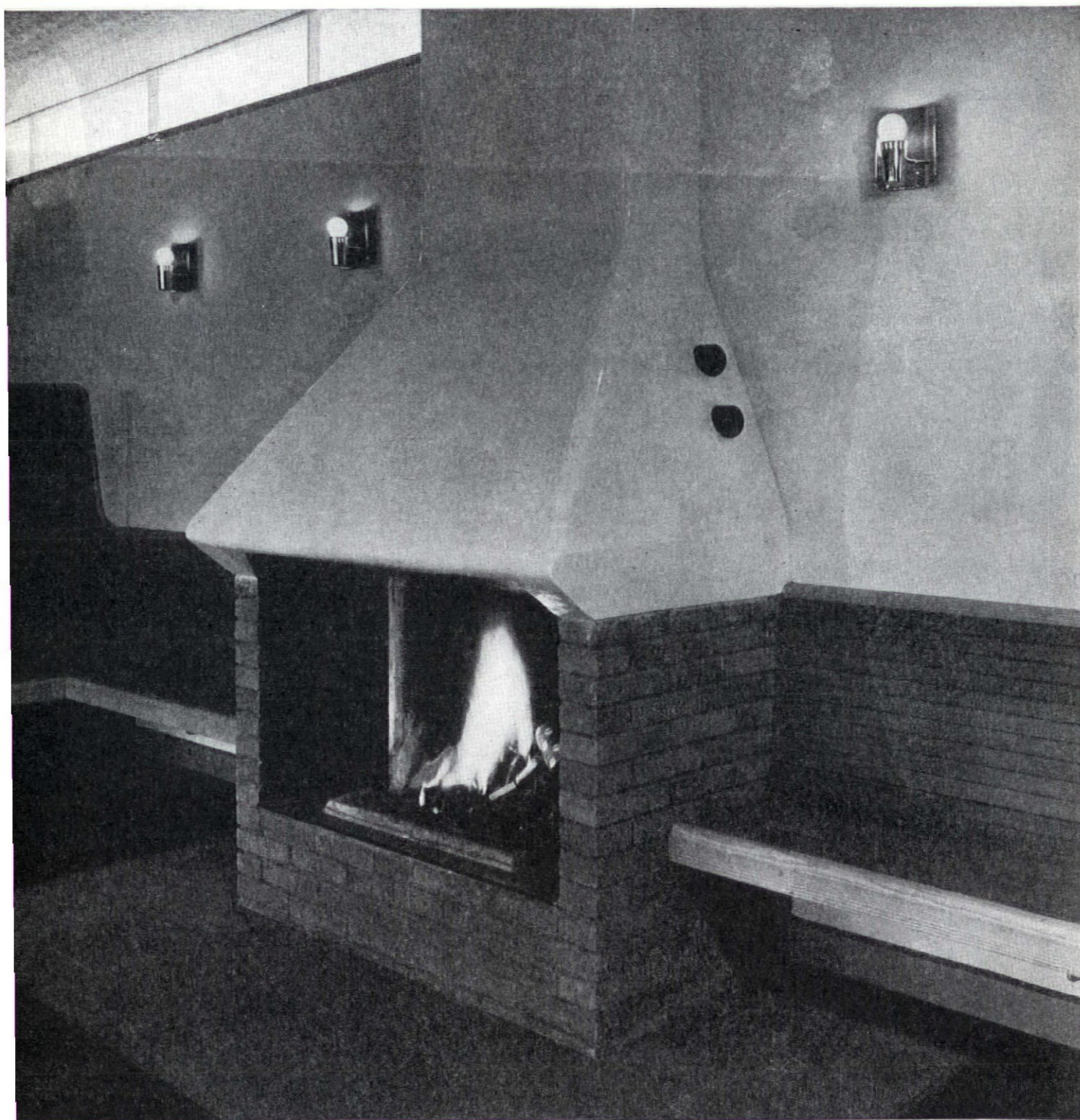
The open fire in the living room is used to provide hot water, and the stove behind it, at a higher level, warms the dining room

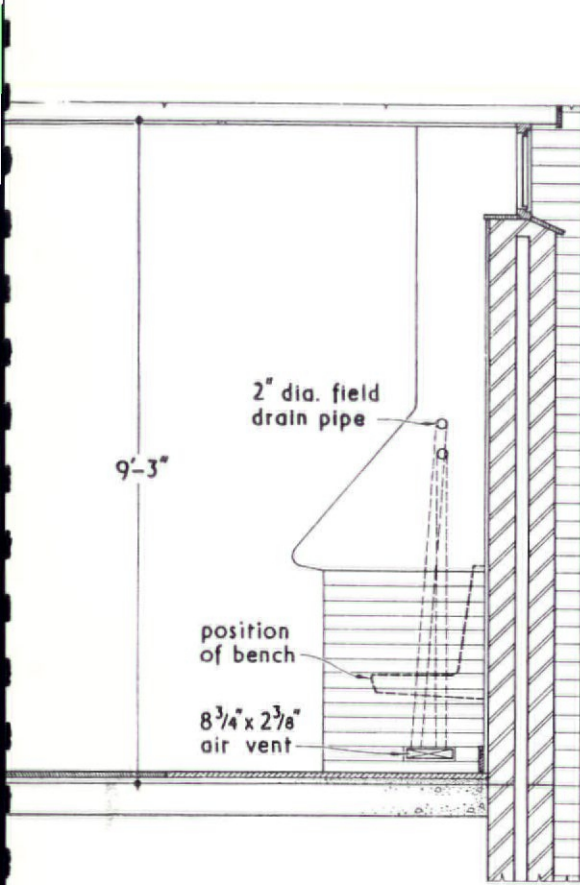




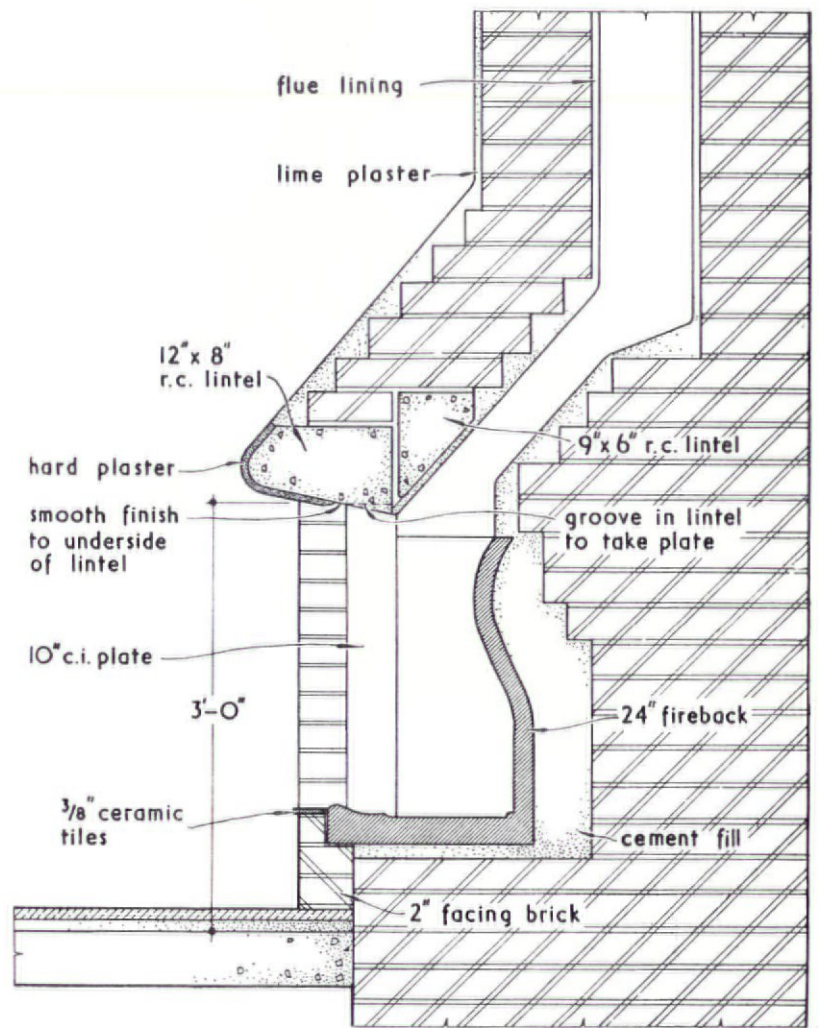
FIREPLACE IN PUBLIC BAR: PUBLIC HOUSE AT STEVENAGE
DESIGNED BY C. HOLLIDAY, L. G. VINCENT, AND O. CAREY

In addition to direct heat from the fire, air is warmed in pipes beside the fireback to provide convection heating

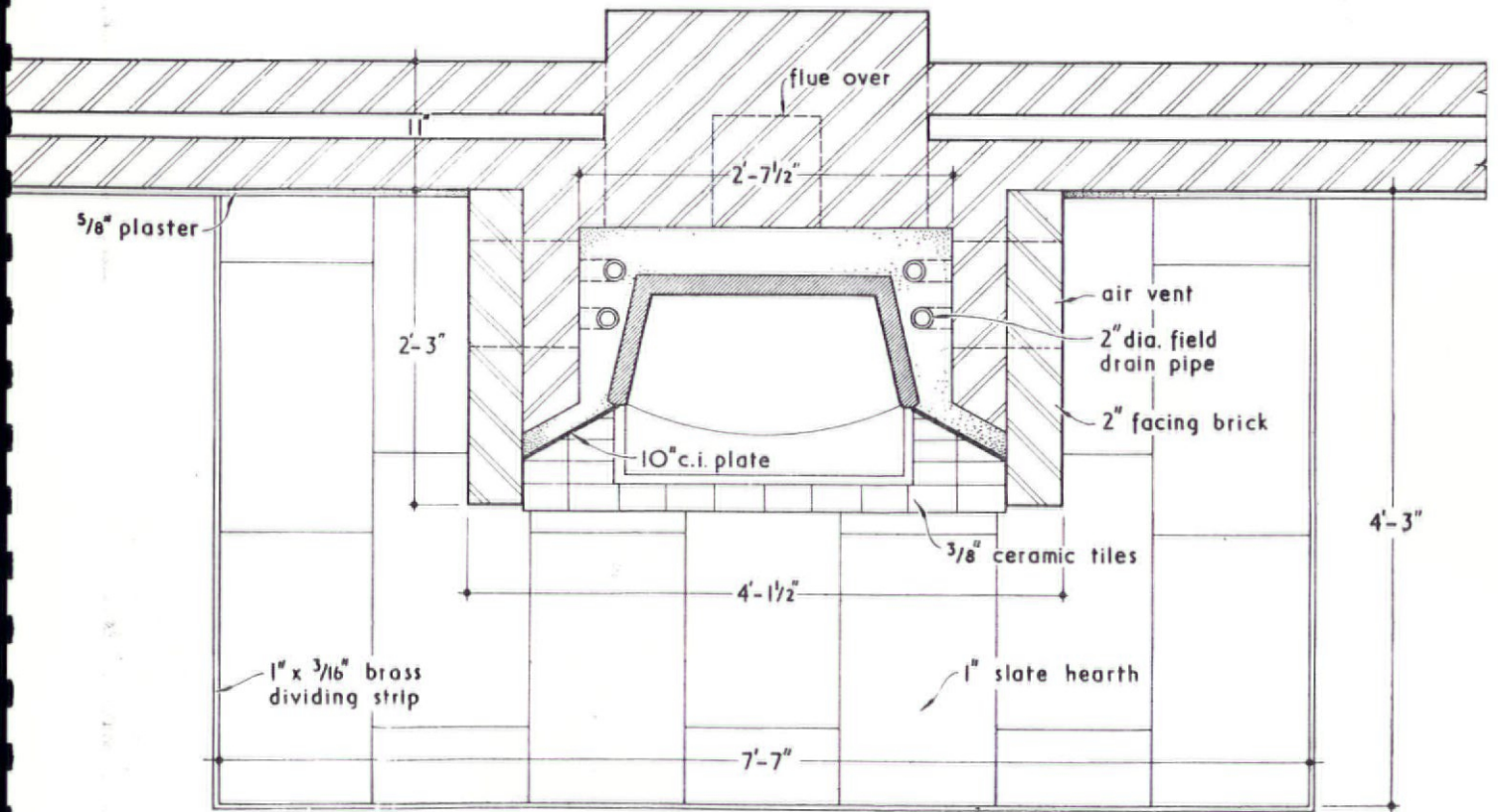




ELEVATION. scale 3/8" = 1'-0"



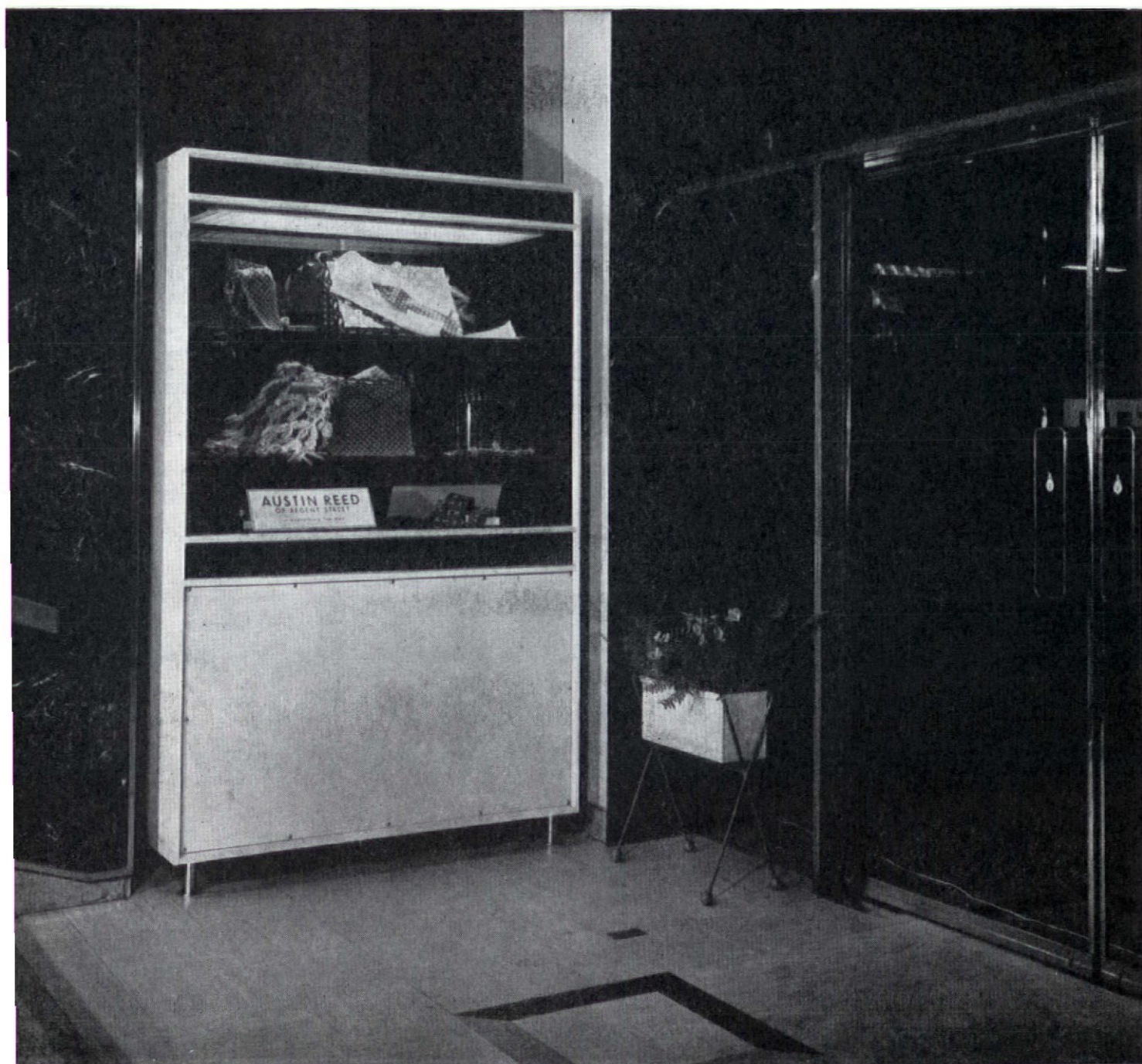
SECTION. scale 3/4" = 1'-0"

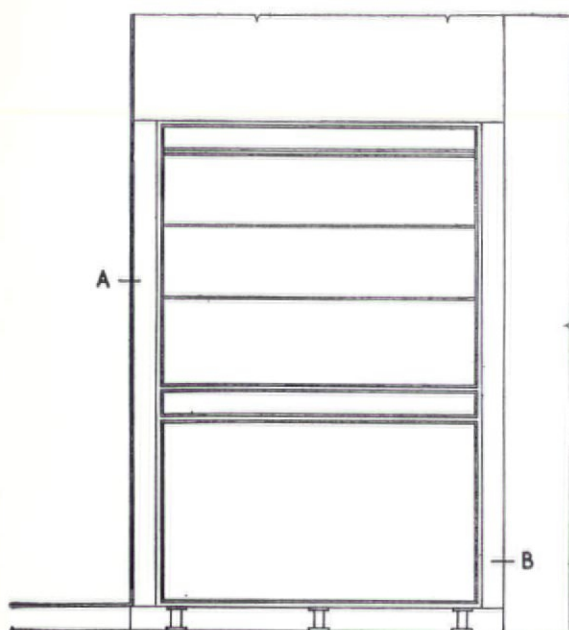


PLAN OF FIREPLACE. scale 3/4" = 1'-0"

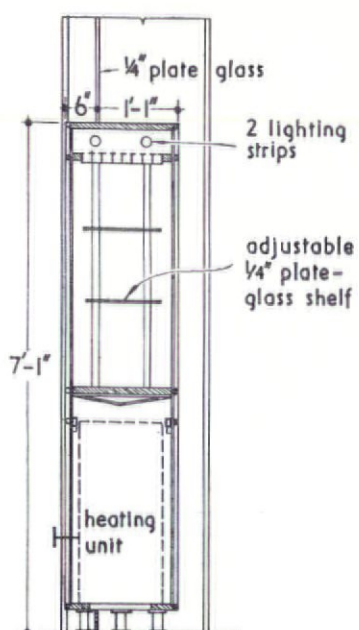
SHOWCASE WITH HEATER: TRAVEL AGENCY IN LONDON, W.1
DESIGNED BY DENNIS LENNON

The heating unit contained in the lower part of the fitting is connected to the hot water system by the tubular legs, and the warmed air is circulated by means of electric fans

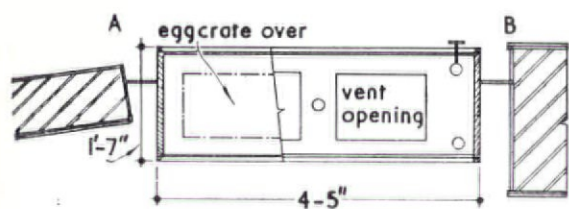
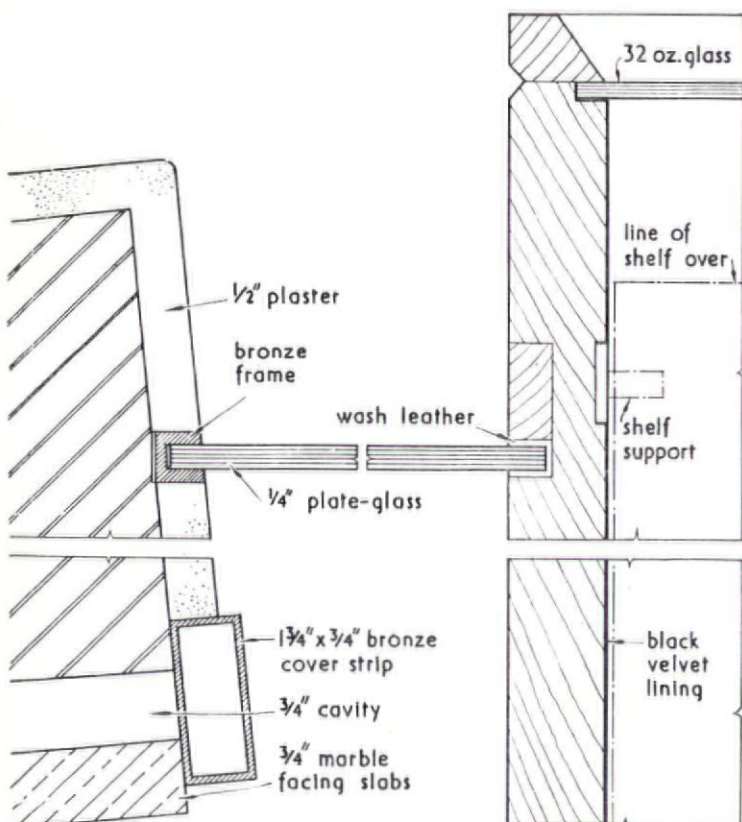
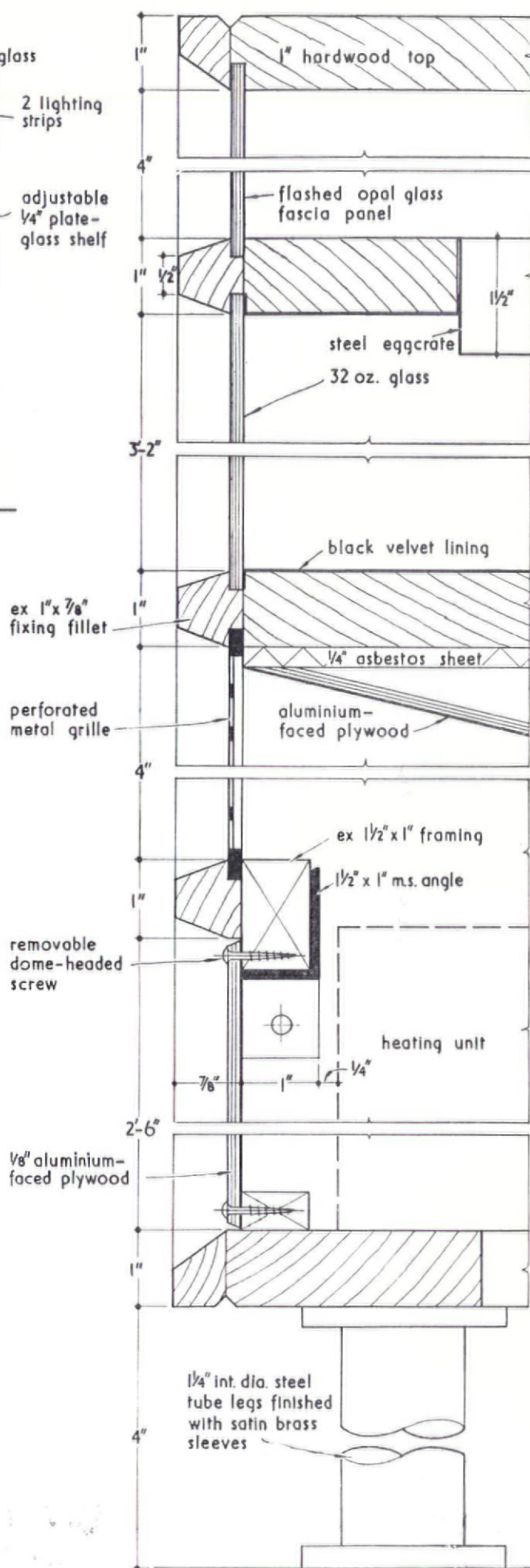




ELEVATION.



SECTION.

PART PLAN AT A AND B. scale $\frac{3}{8}'' = 1' 0''$ DETAIL AT A. scale $\frac{1}{2}$ full size

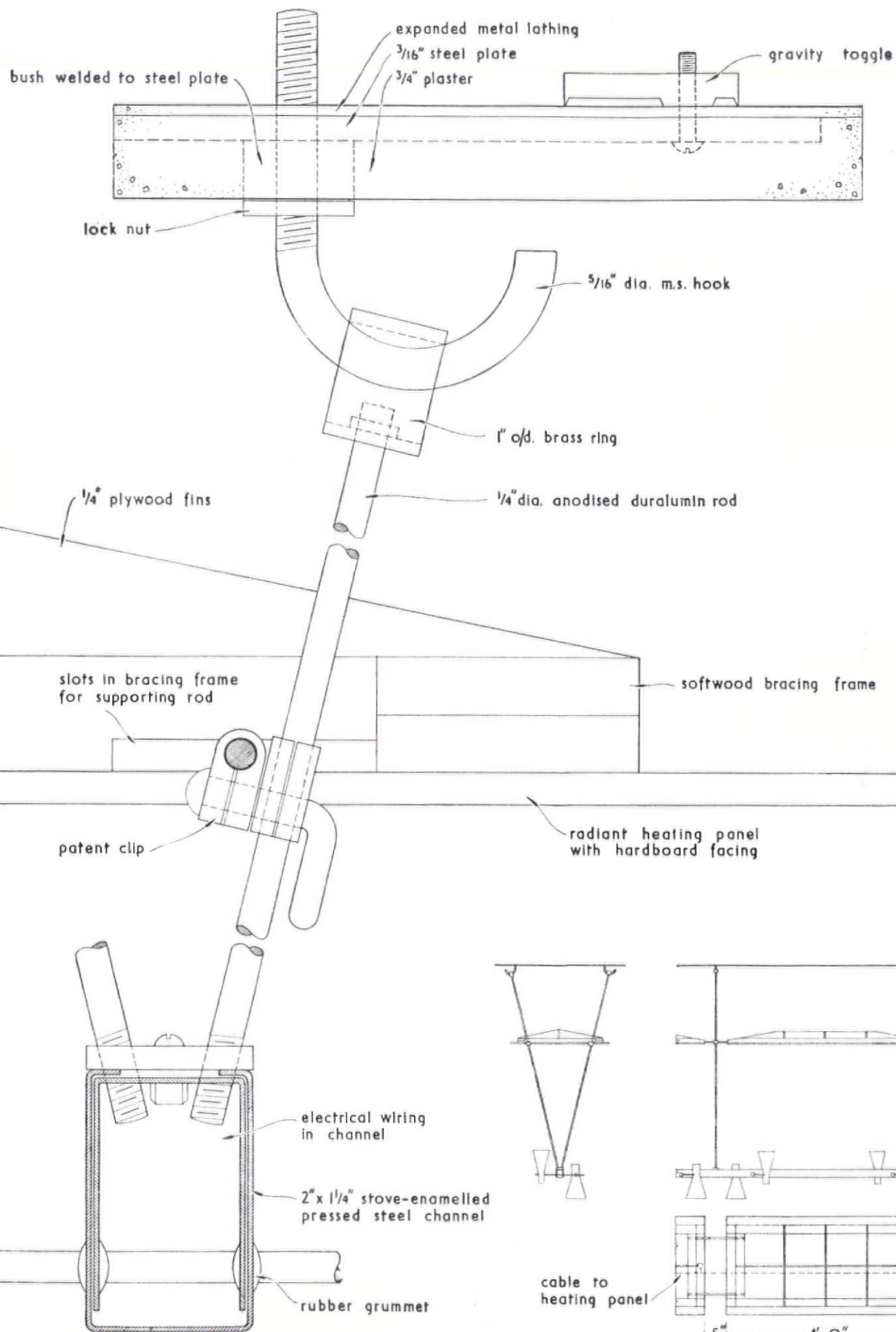
SECTION THROUGH FITTING.

SUSPENDED HEATING PANELS : SHOP IN LONDON, W.1

DESIGNED BY CHAMBERLIN, POWELL AND BON; ROBERT ASHDOWN (assistant-in-charge)

The radiant heating panels, which are painted yellow, and the adjustable light fittings, are suspended by rods from the deep blue ceiling.

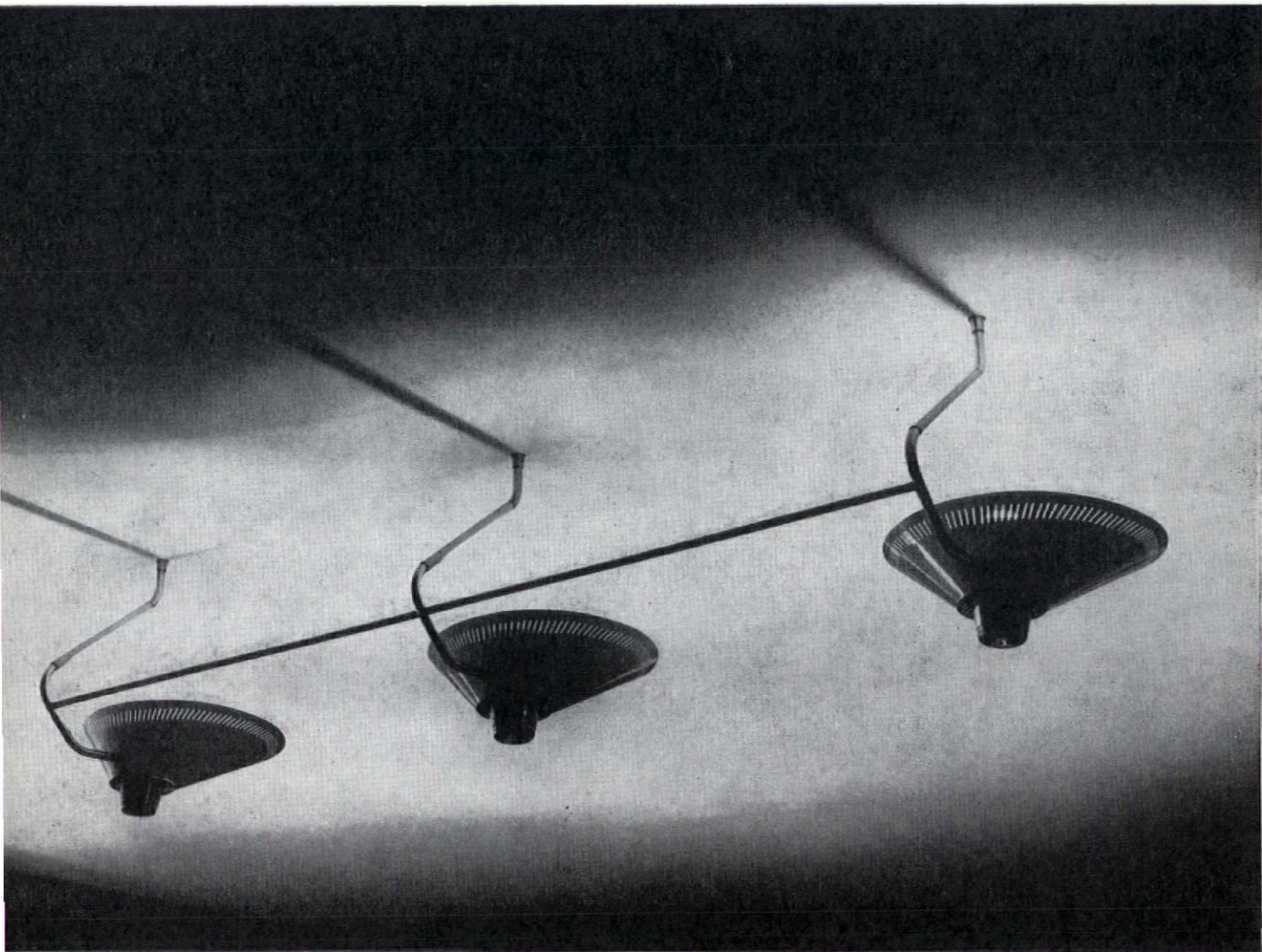


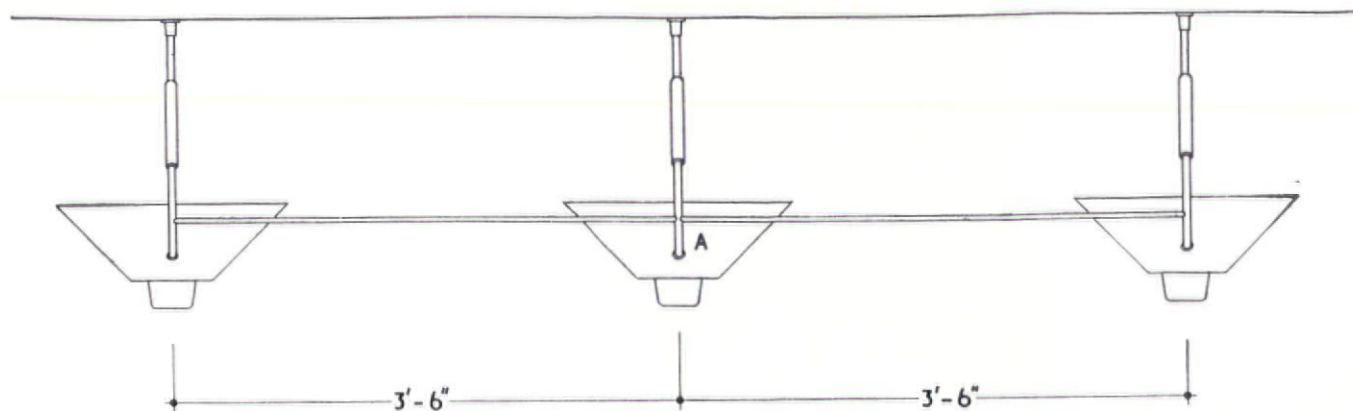


LIGHTING FITTING : STAIRCASE HALL, OFFICES IN LONDON, W.1

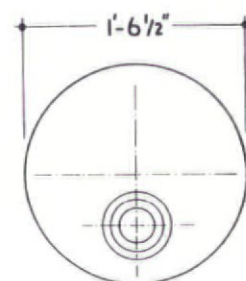
DESIGNED BY SIR HUGH CASSON, IN ASSOCIATION WITH MISHA BLACK AND ELLIS MILES OF DESIGN RESEARCH UNIT. MICHAEL ROSENAUER (architect to the building).

The tubes supporting the lights are of polished brass, except for the sleeves which have a white cellulose finish

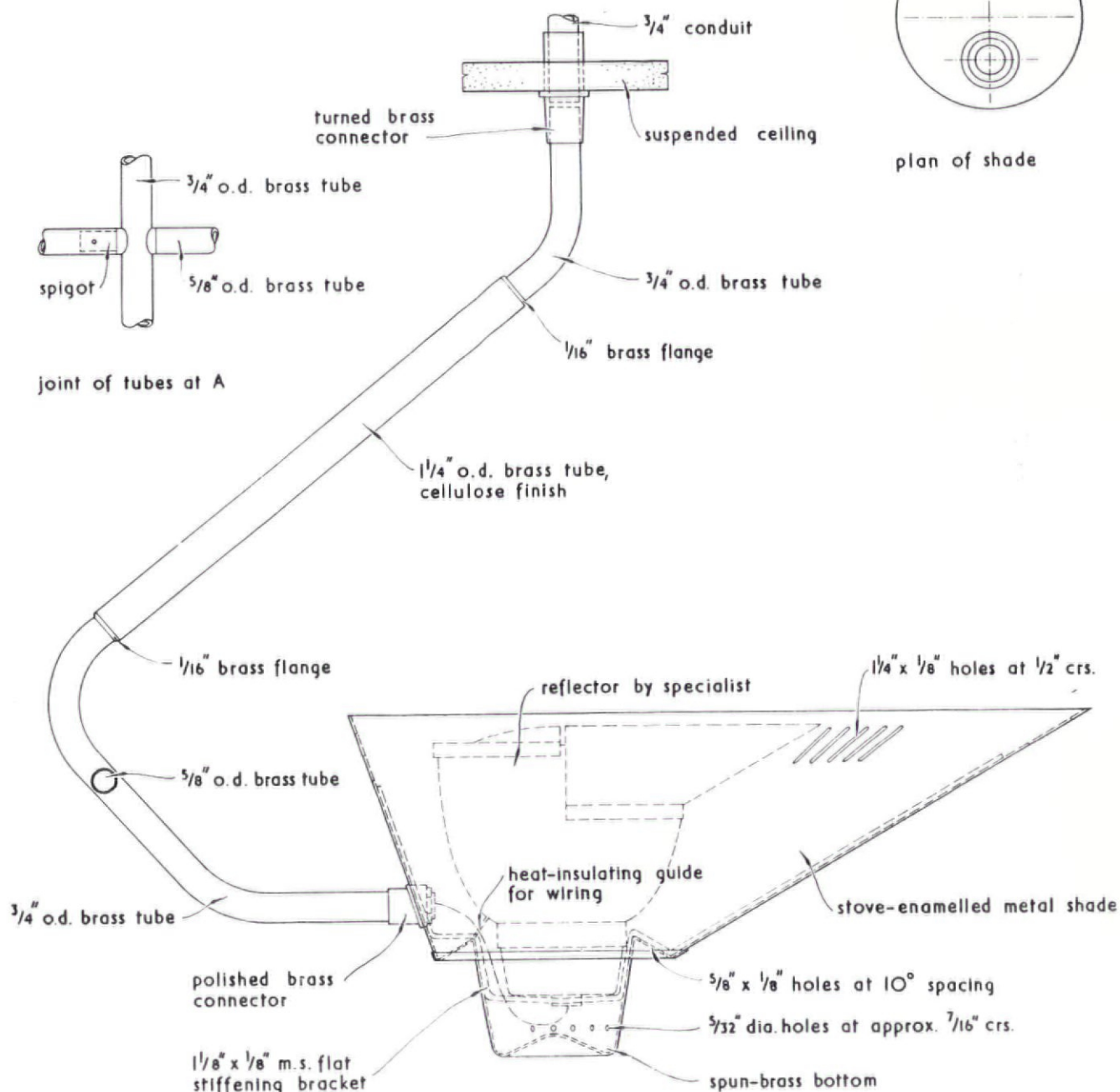




ELEVATION OF LIGHTING FITTING. scale $\frac{3}{4}" = 1'-0"$



plan of shade

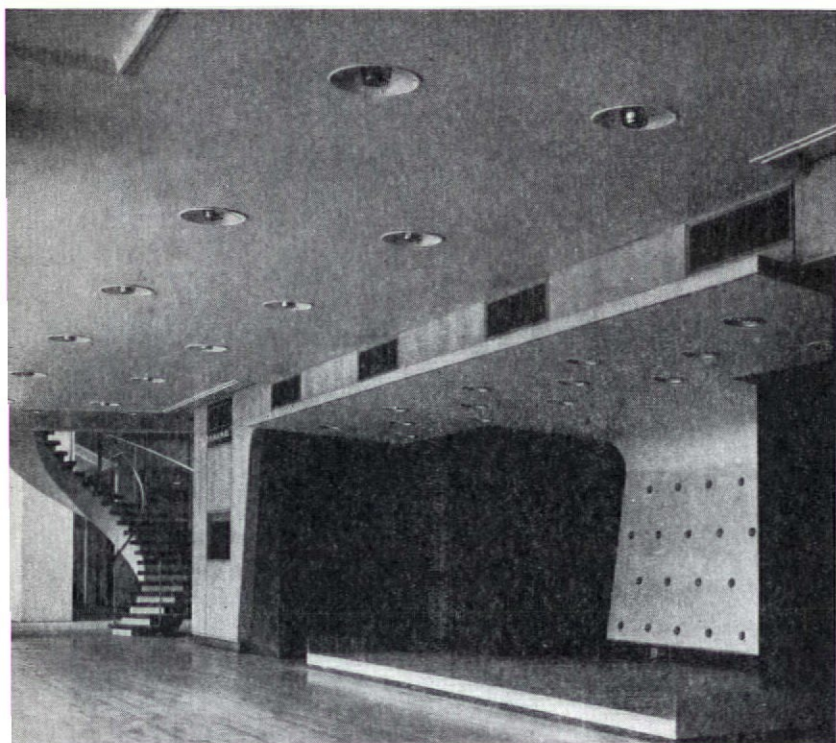


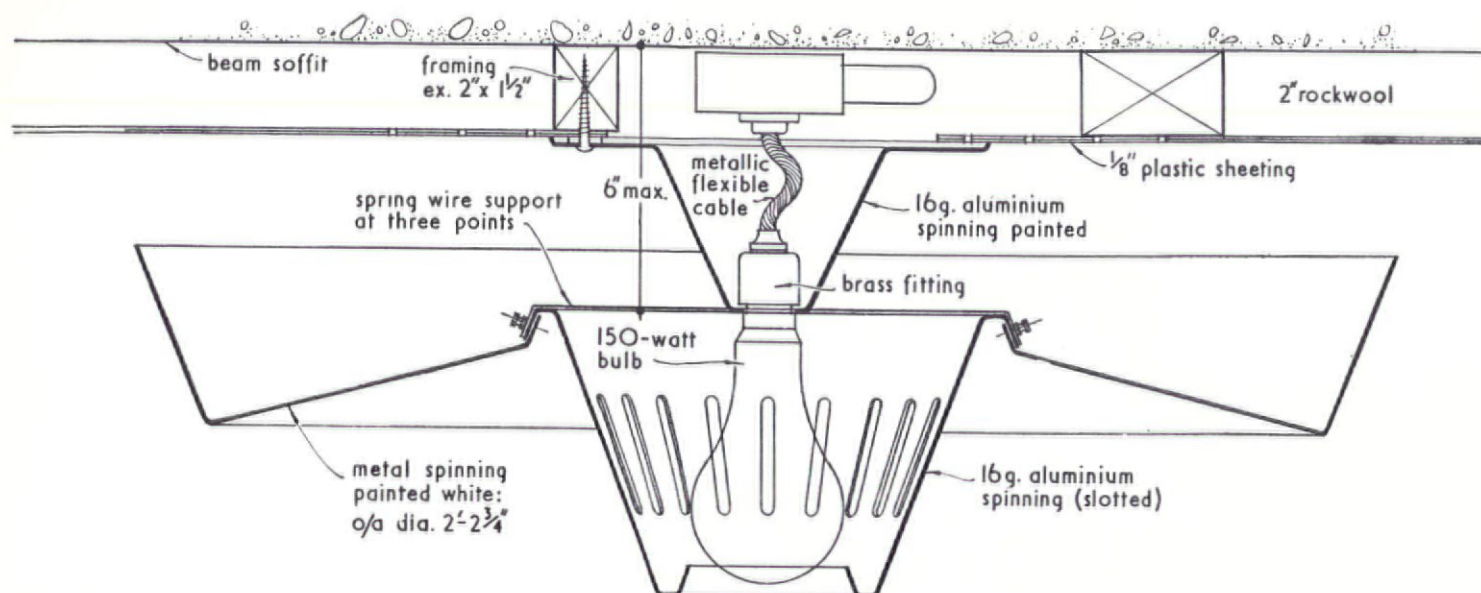
DETAIL OF FITTING. scale $\frac{1}{4}$ full size

LIGHTING FITTINGS : ROYAL FESTIVAL HALL

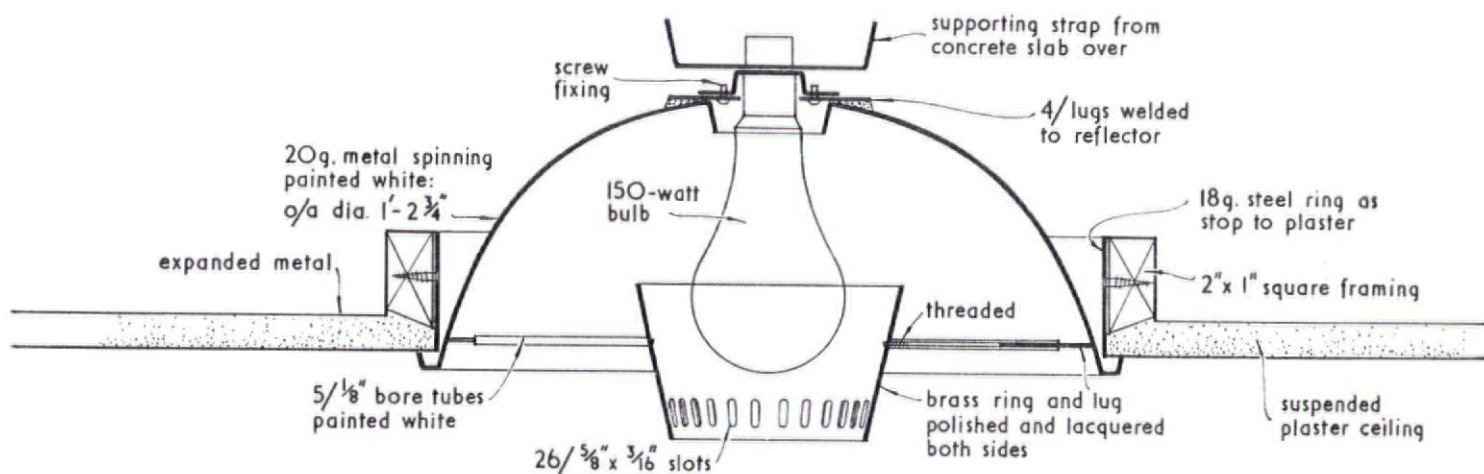
DESIGNED BY ROBERT H. MATTHEW AND J. L. MARTIN (architect and deputy architect, L.C.C.);
EDWIN WILLIAMS (senior architect-in-charge); PETER MORO (associated architect)

The upper left-hand photograph shows recessed ceiling lights, and the right-hand photograph shows a suspended fitting. The lower photograph shows surface ceiling fittings

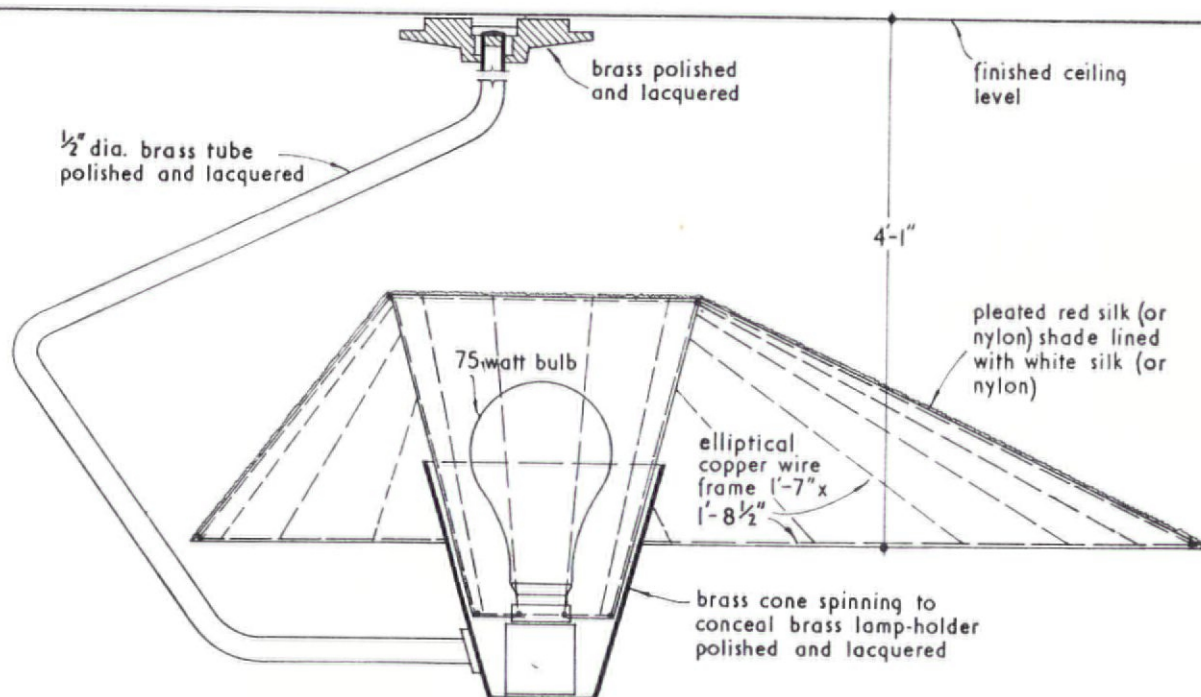




SURFACE CEILING LIGHT FITTING. scale: $\frac{1}{4}$ full size



RECESSED CEILING LIGHT FITTING. scale: $\frac{1}{4}$ full size

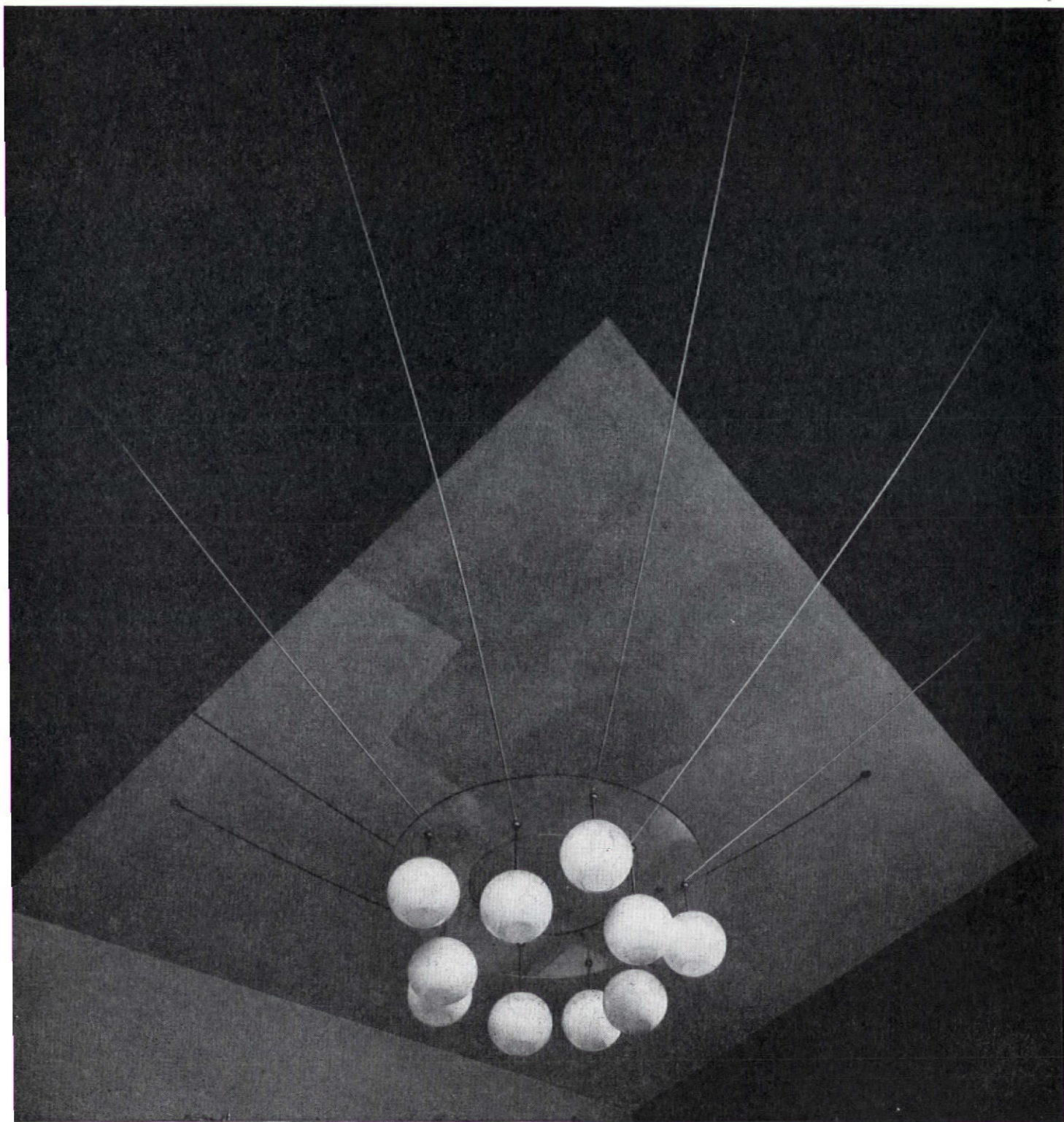


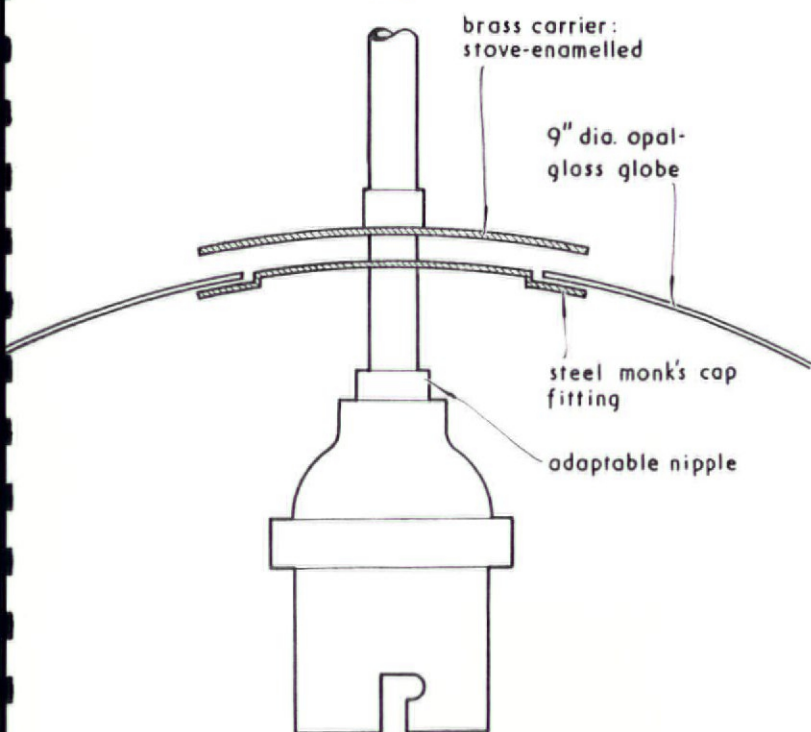
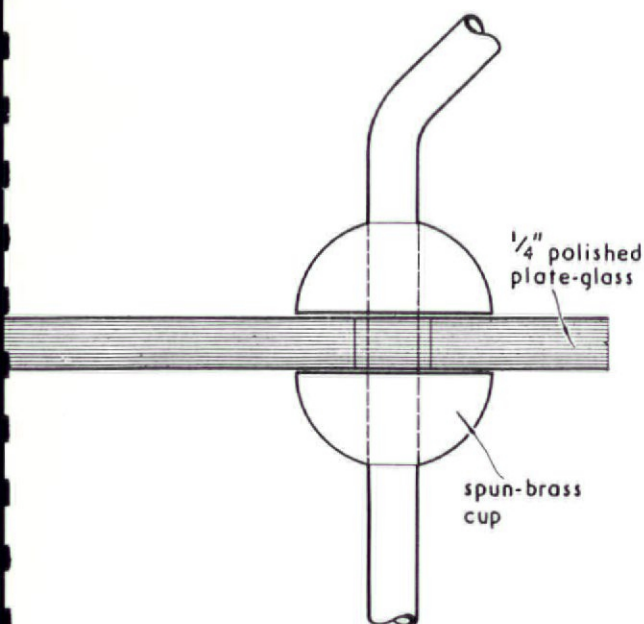
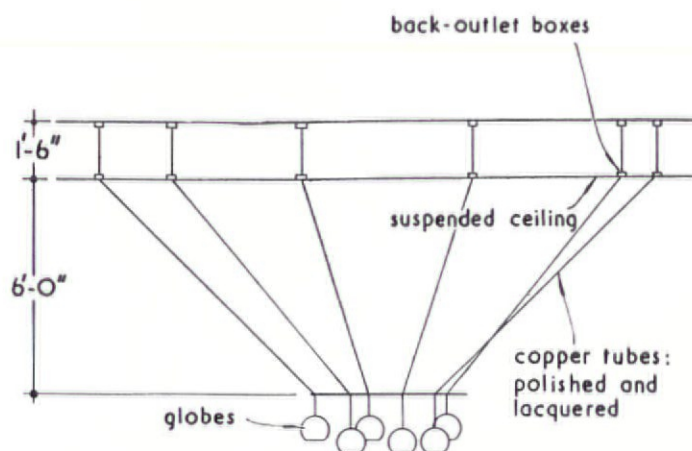
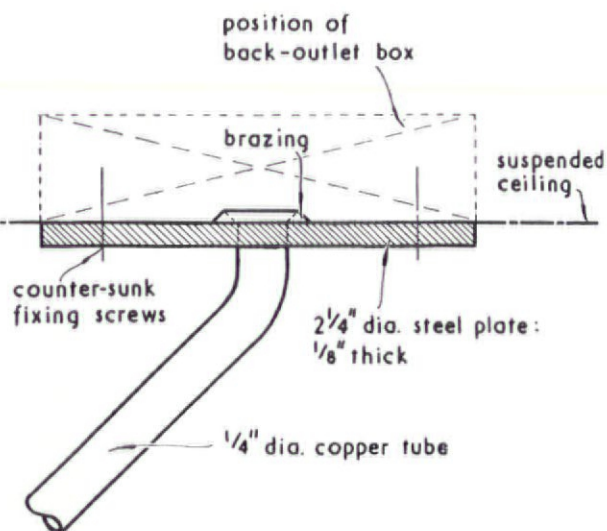
SUSPENDED LIGHT FITTING. scale: $\frac{1}{4}$ full size

LIGHTING FITTING : ADMINISTRATION BLOCK, SCHOOL AT HARROW

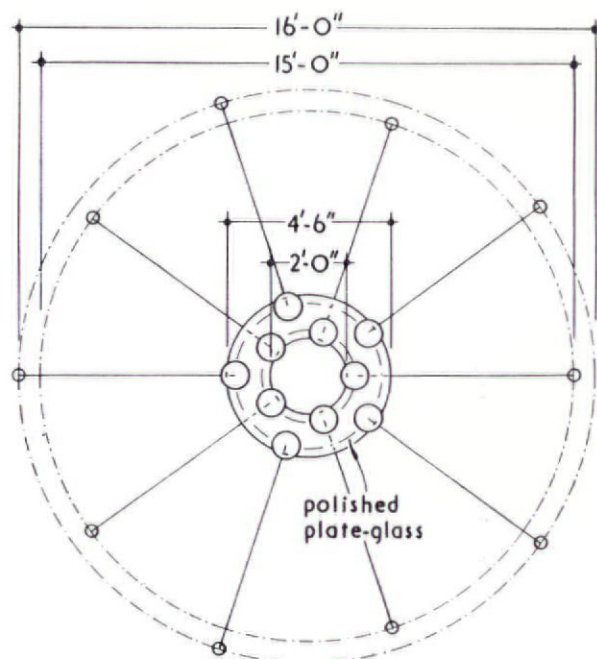
DESIGNED BY JOHN AND ELIZABETH EASTWICK FIELD IN COLLABORATION WITH
C. G. STILLMAN (architect to the Middlesex County Council)

Copper tubes, twice mitred and brazed, run from ceiling to globes in one piece. Brass cups screwed to a threaded nipple hold the glass plate, and thus allow inaccuracies to be taken up. The globes, of standard pattern, have openings cut in their base by sand blasting

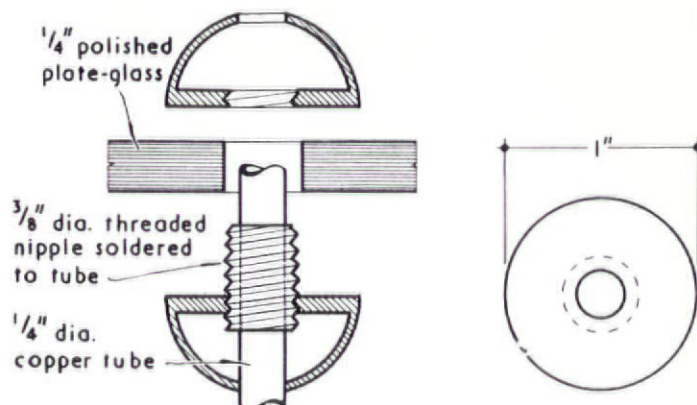




F. S. DETAIL OF FITTING.



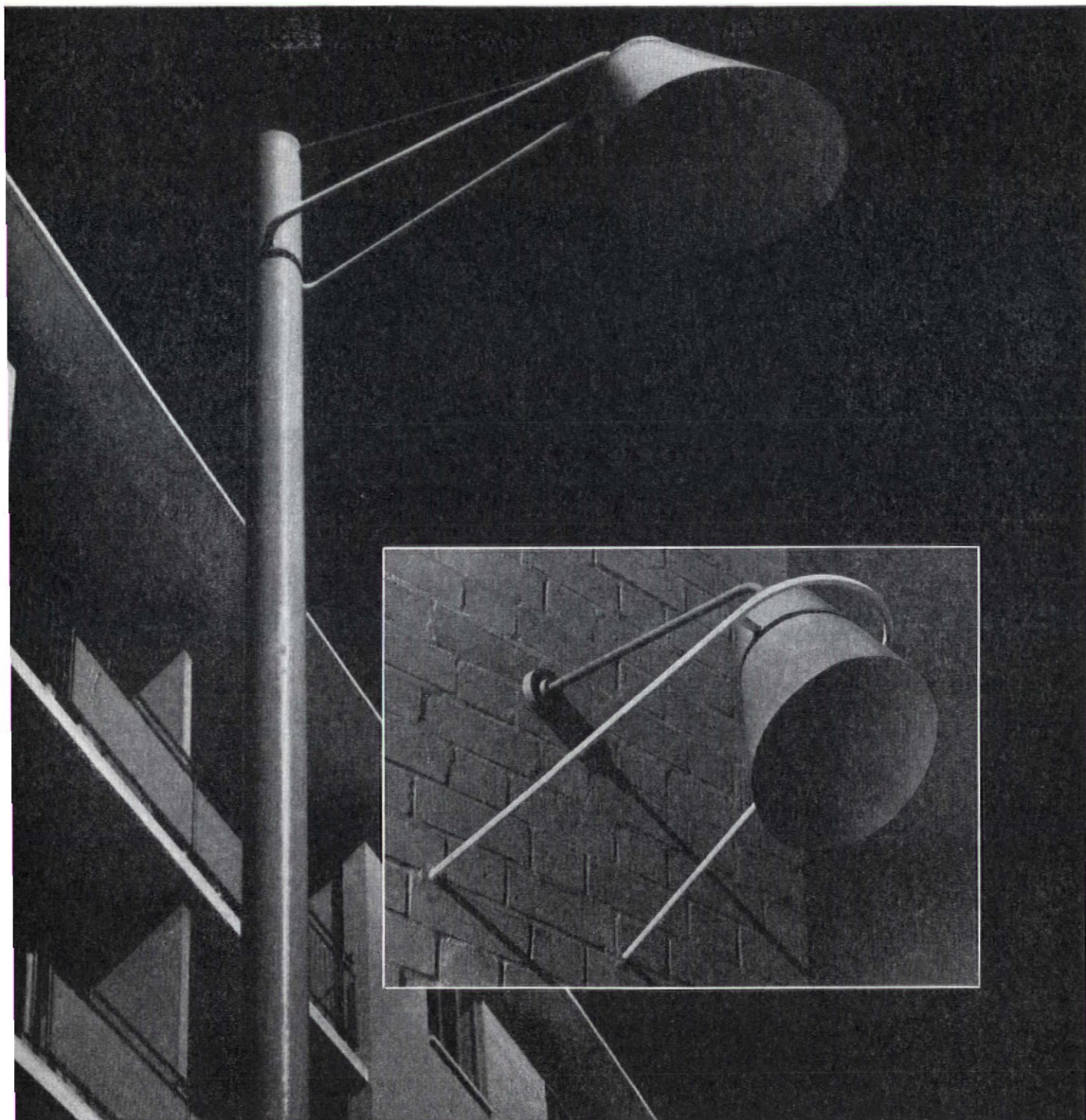
KEY PLAN AND ELEVATION.
scale $\frac{3}{16}'' = 1'-0"$

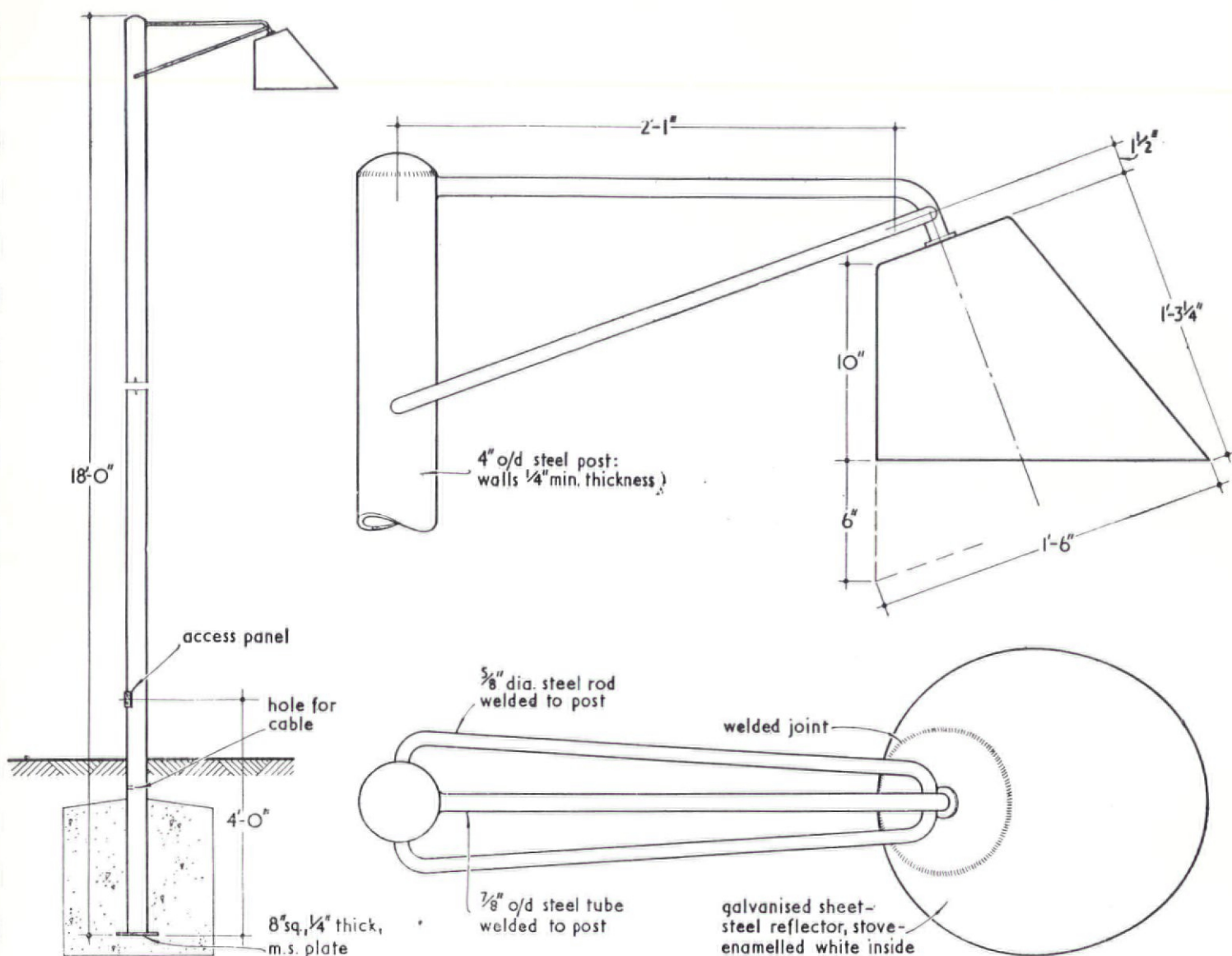


F. S. PLAN AND SECTION OF SPUN-BRASS CUP.

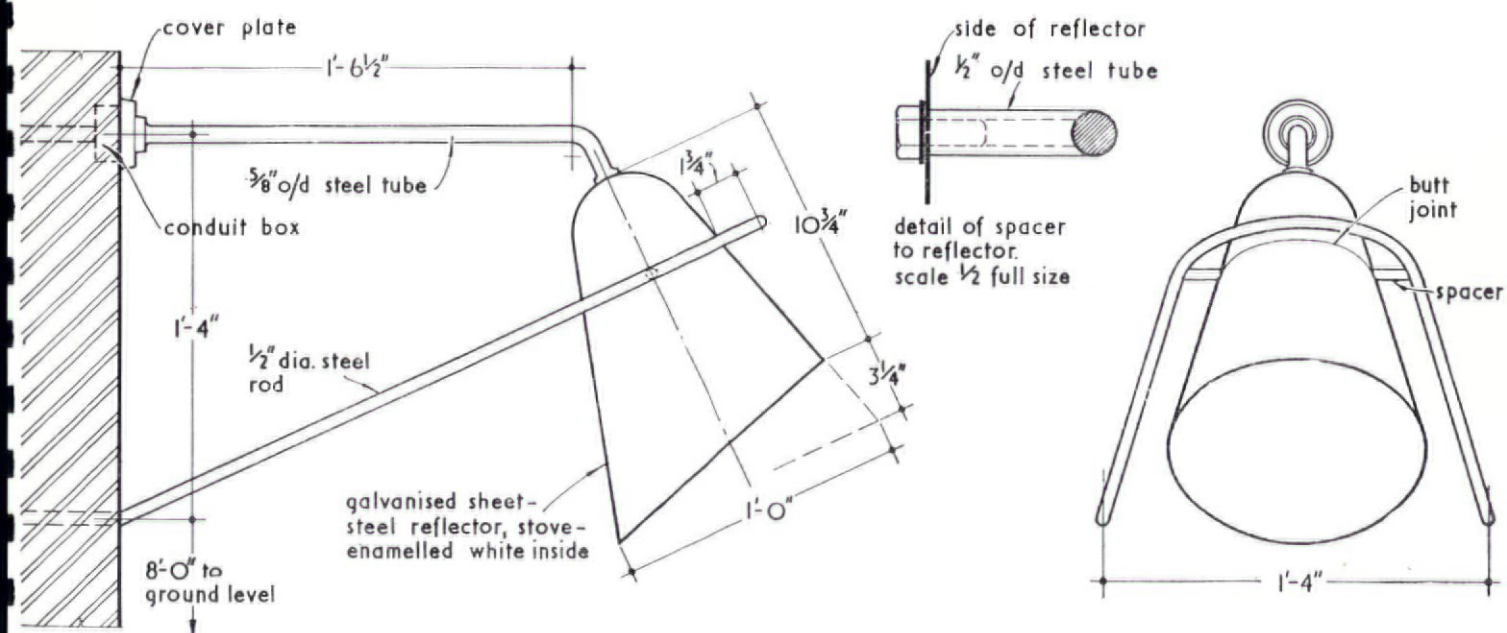
EXTERIOR LIGHTING: FLATS IN LEWISHAM
DESIGNED BY FRY, DREW AND PARTNERS

The sheet steel reflectors of the lamps are supported on metal brackets, welded to the steel standard in the one case and grouted into the brickwork in the other.





ELEVATION AND DETAILS OF LAMP STANDARD. scales $\frac{3}{8}" = 1'-0"$ and $\frac{1}{2}" = 1'-0"$

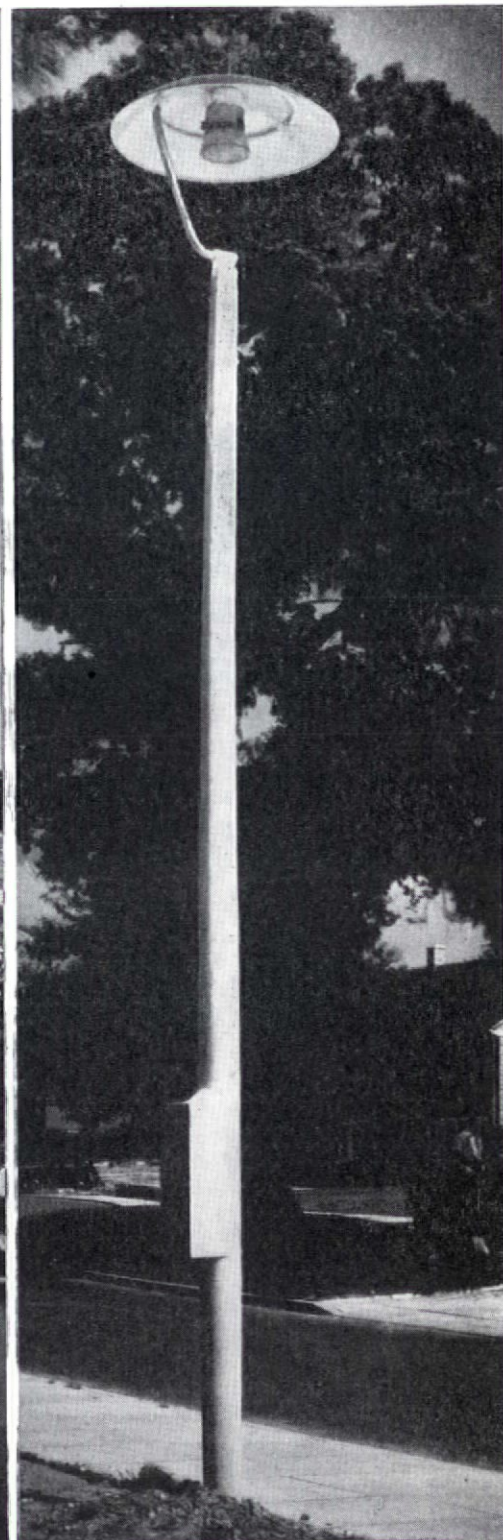


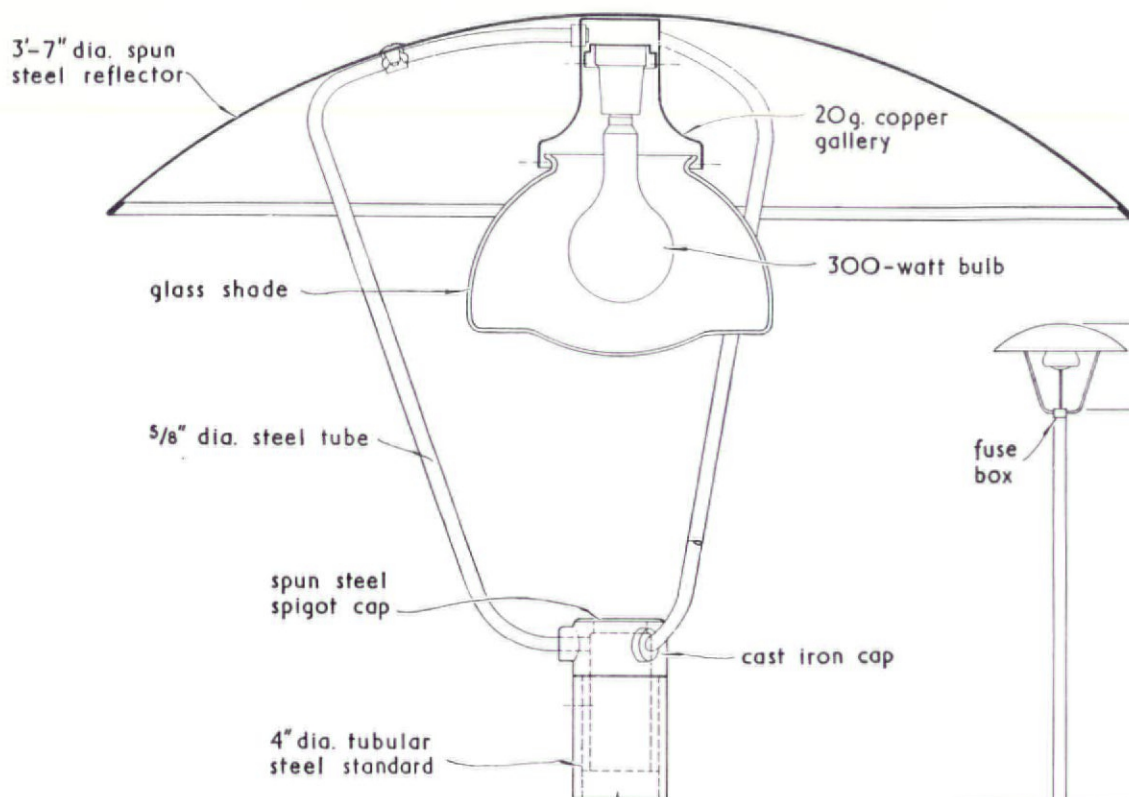
DETAILS OF WALL LAMP. scale: $1\frac{1}{2}'' = 1'-0''$

TWO LAMP STANDARDS: SOUTH BANK, LONDON, AND HATFIELD NEW TOWN

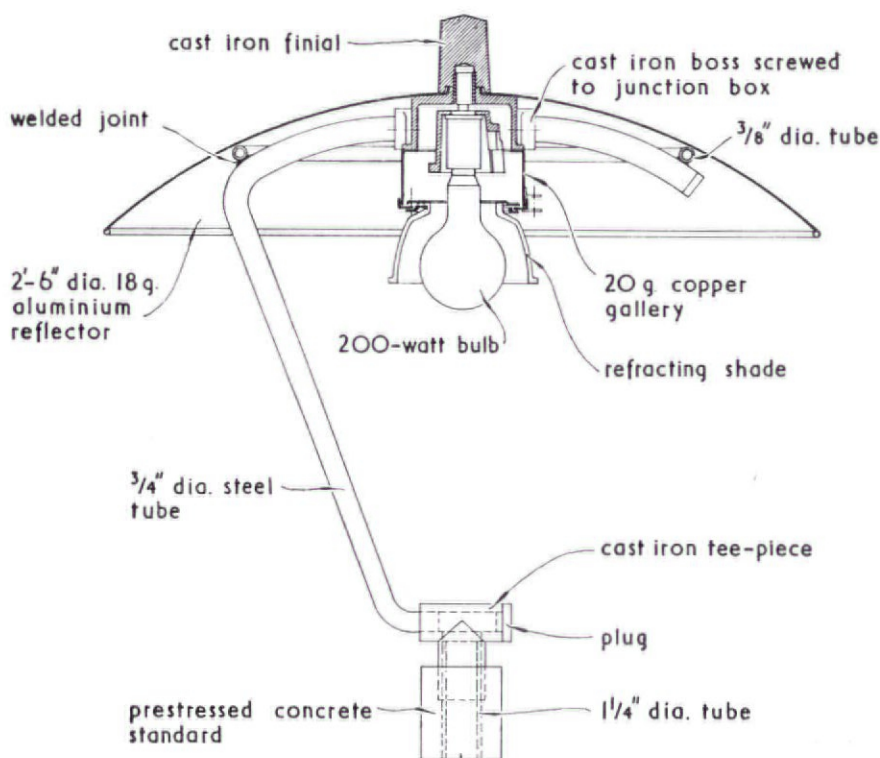
SOUTH BANK: DESIGNED BY J. L. MARTIN (architect to L.C.C.) AND J. RAWLINSON (engineer to L.C.C.)
HATFIELD: DESIGNED BY LIONEL BRETT AND KENNETH BOYD; L. J. ELGIN (consulting engineer)

The lamp on South Bank has a spun steel reflector on a tubular steel standard; the one at Hatfield has an aluminium reflector and the design of the prestressed concrete standard includes a fuse-box near the base.





LAMP STANDARD: SOUTH BANK. scale: 1 1/2" = 1'-0"

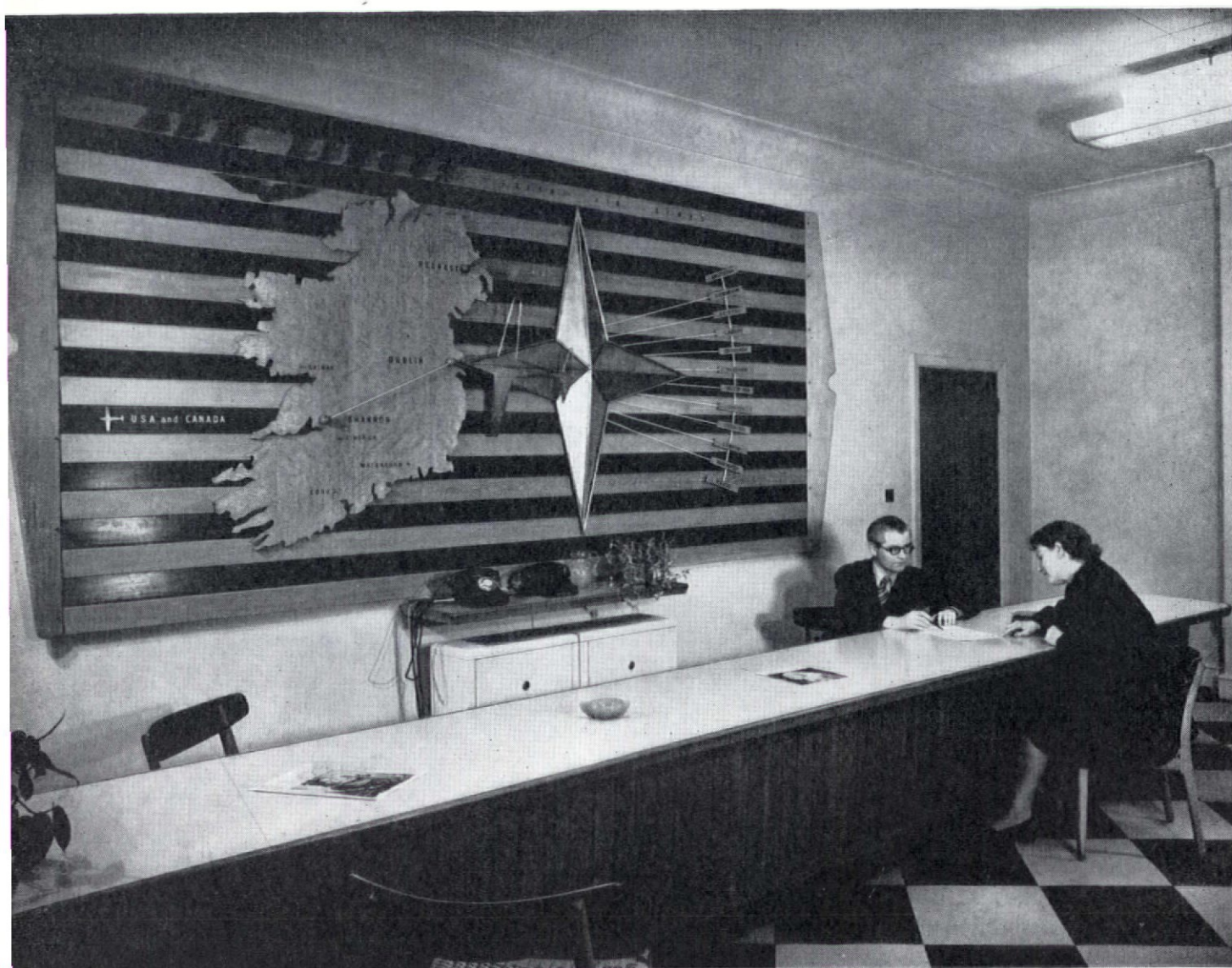


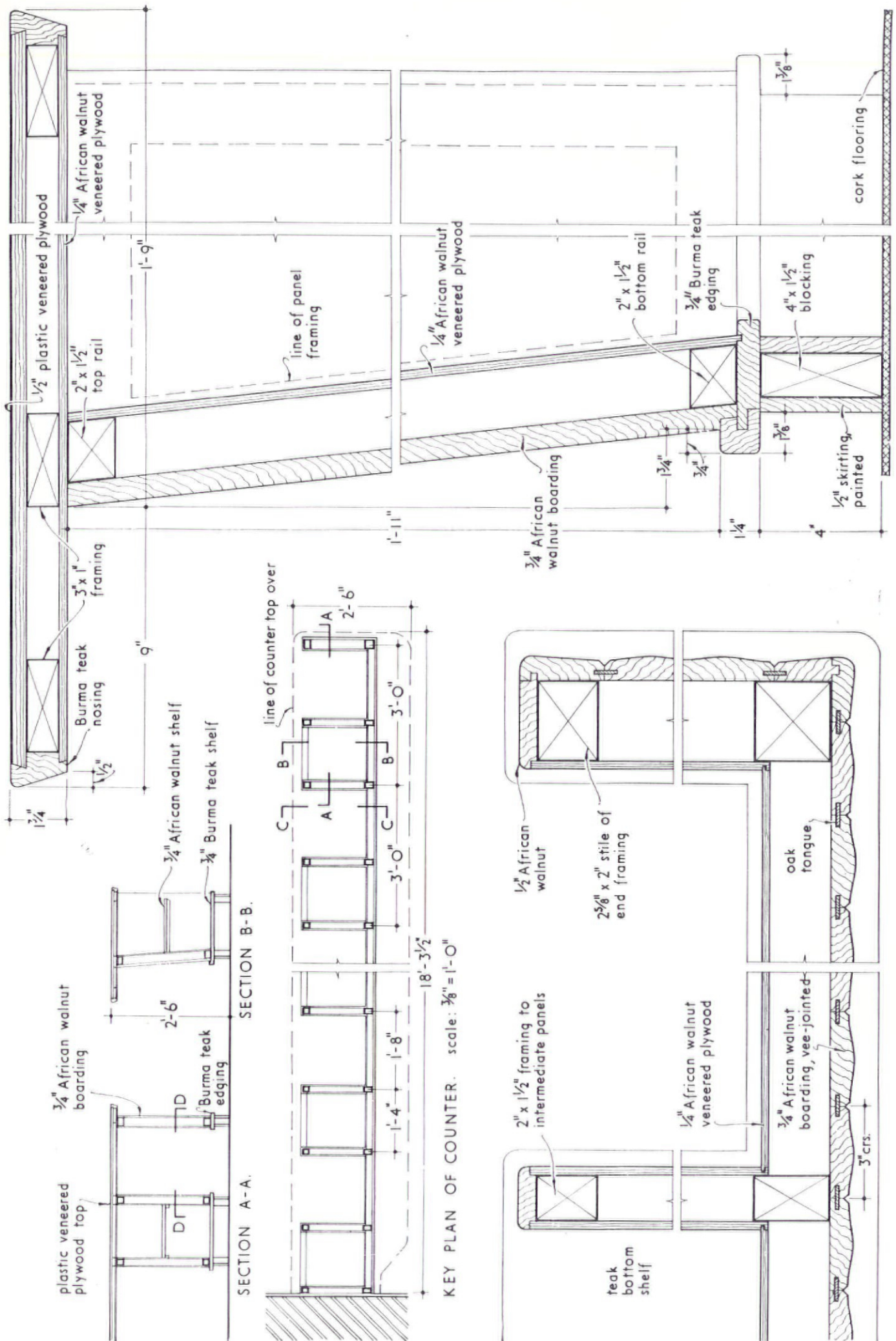
LAMP STANDARD: HATFIELD NEW TOWN. scale: 1 1/2" = 1'-0"

RECEPTION COUNTER : PUBLIC OFFICE, IRISH EMBASSY IN LONDON, S.W.1

DESIGNED BY RAYMOND McGRATH (architect, Office of Public Works, Dublin); FRANK DuBARRY (assistant architect)

The counter top, faced with a plastic veneer, overhangs the front of the counter which is of narrow vertical boards in African walnut.





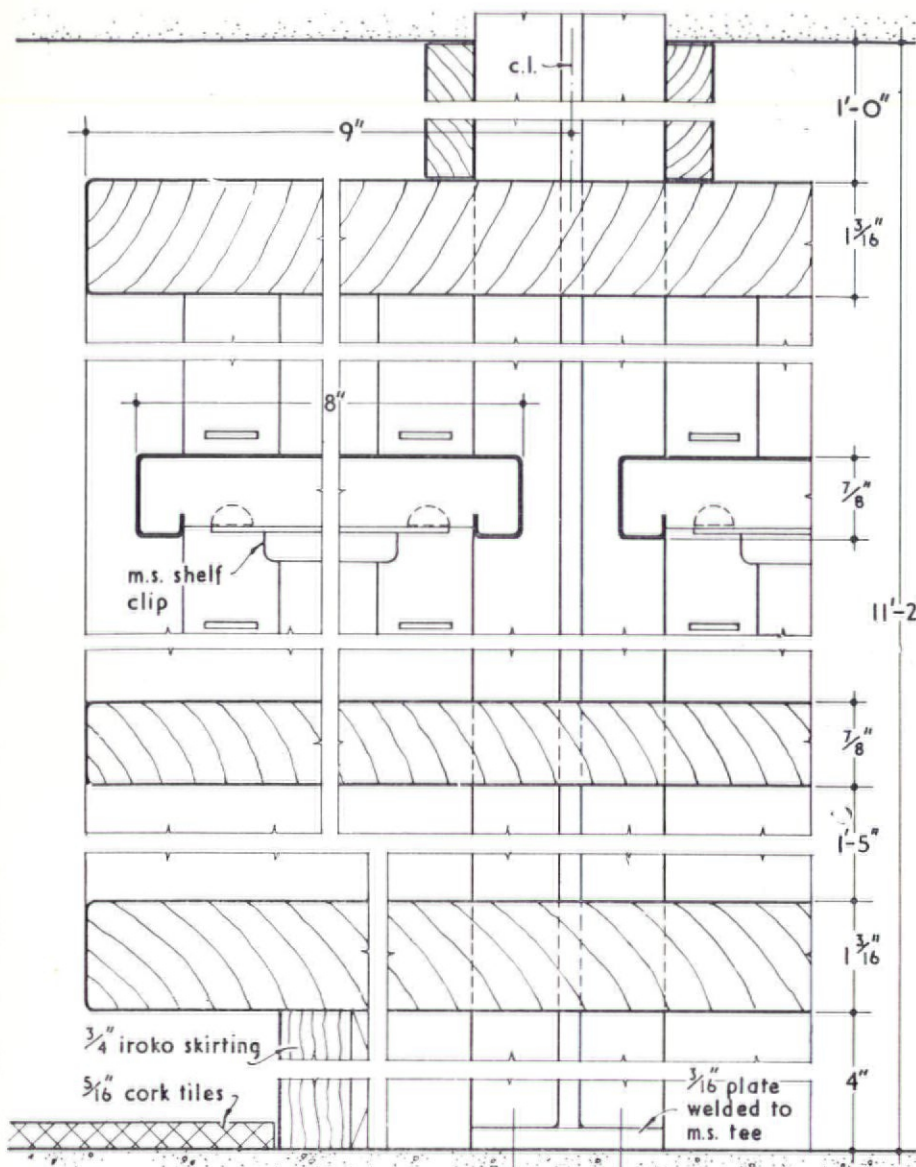
$\frac{1}{4}$ FULL SIZE DETAILS OF COUNTER. plan D-D.

section C-C.

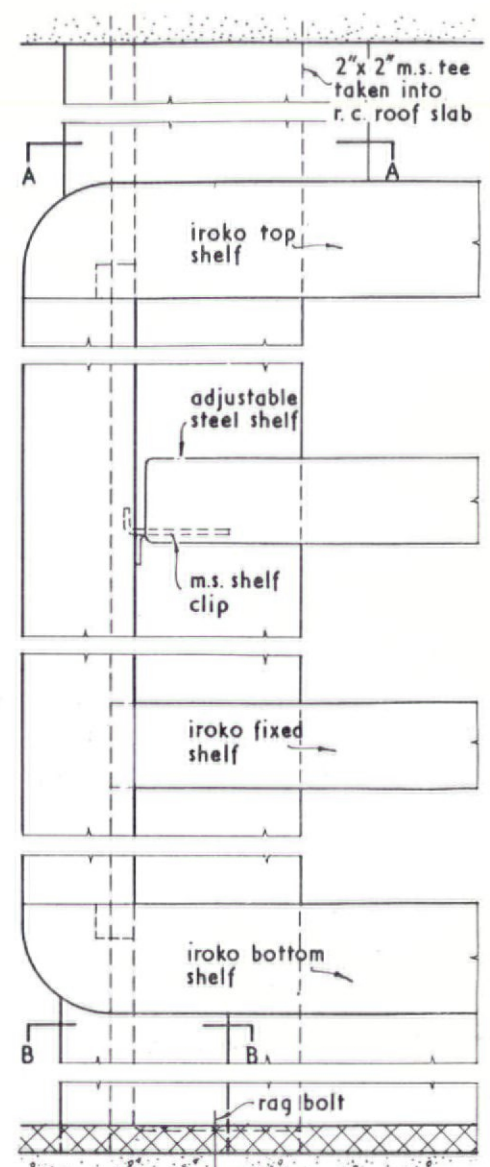
LIBRARY SHELVES : LABORATORIES AT GRAVESEND
DESIGNED BY WESTWOOD, SONS AND HARRISON

The fitting is made of iroko with recessed skirting and adjustable steel shelves. The steel stiffening member which occurs at the ends of alternate fittings is enclosed between bookcase and ceiling in a three-sided casing of iroko.

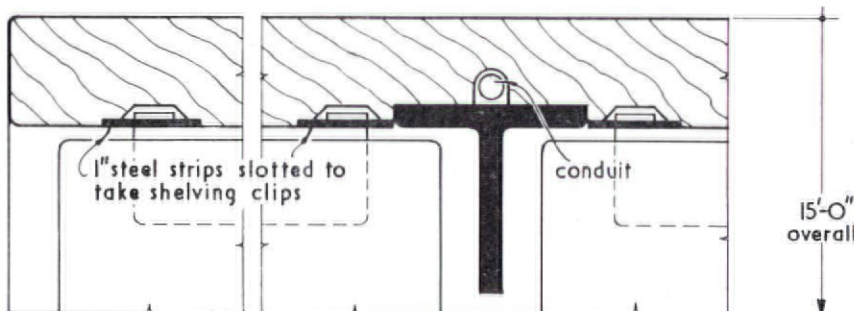




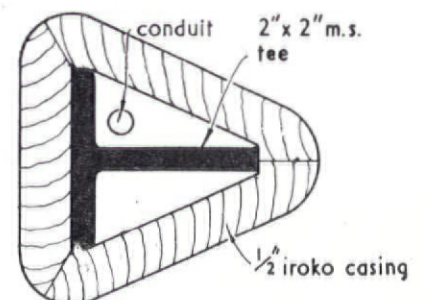
CROSS SECTION THRO' FITTING.



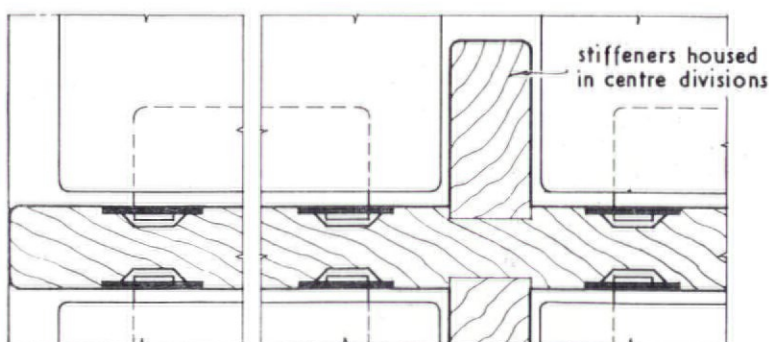
PART FRONT ELEVATION.



PLAN AT END OF FITTING.

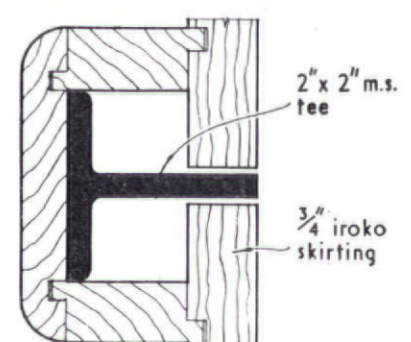


PLAN AT A-A.



PLAN OF INTERMEDIATE DIVISION.

scale: 1/2 full size

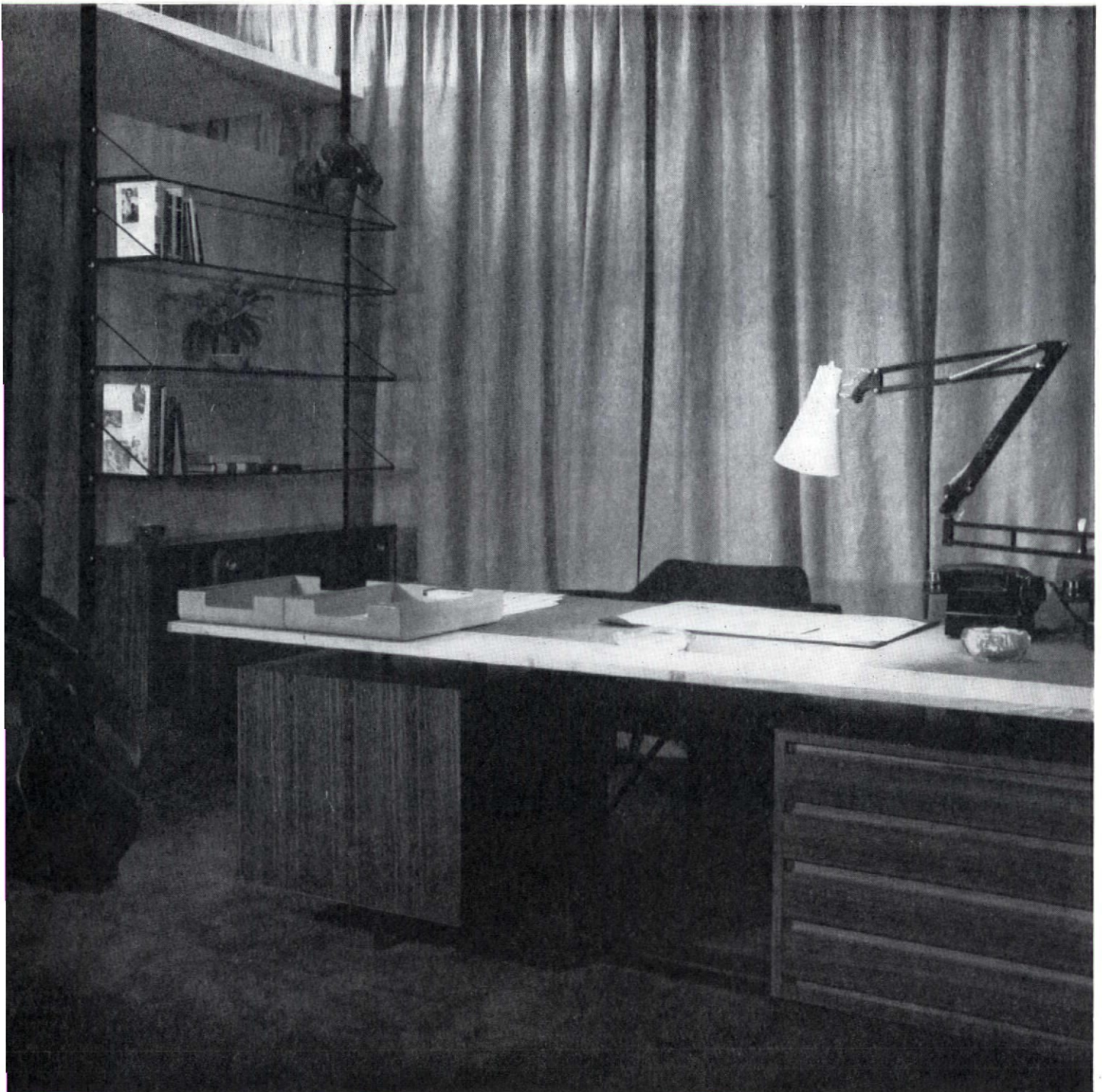


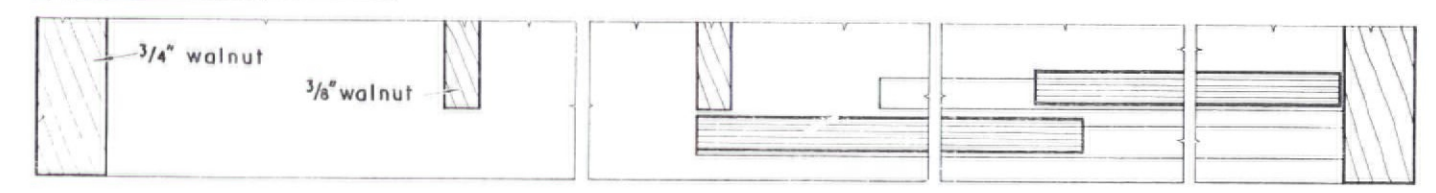
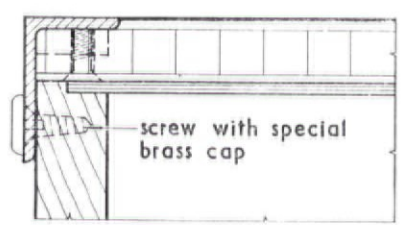
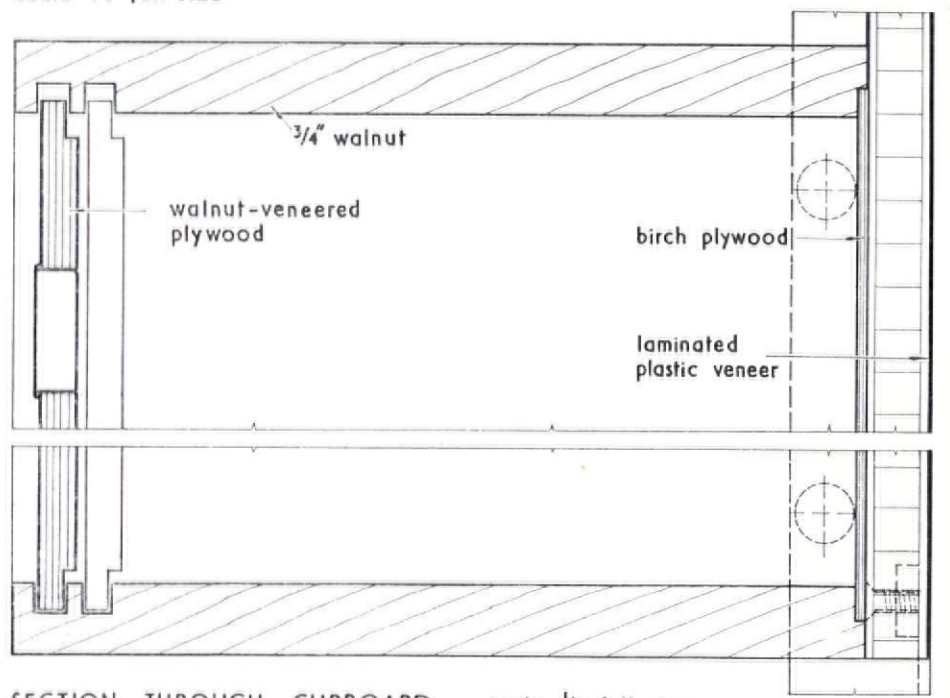
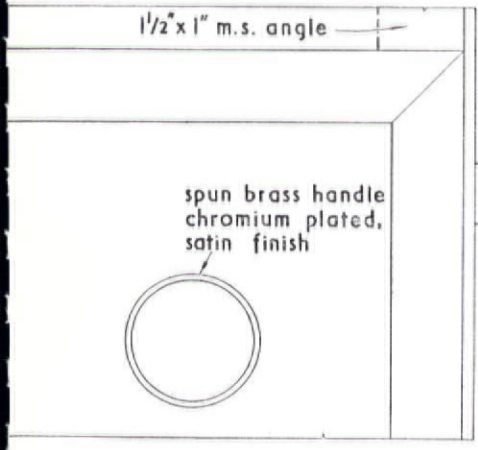
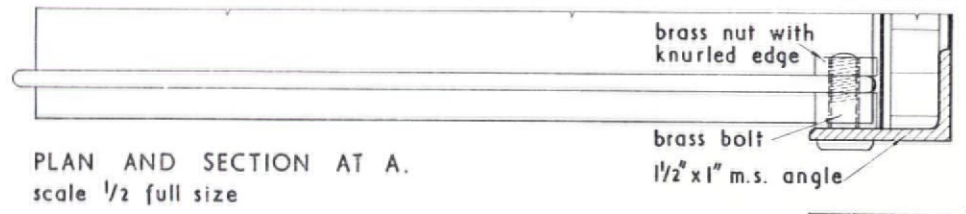
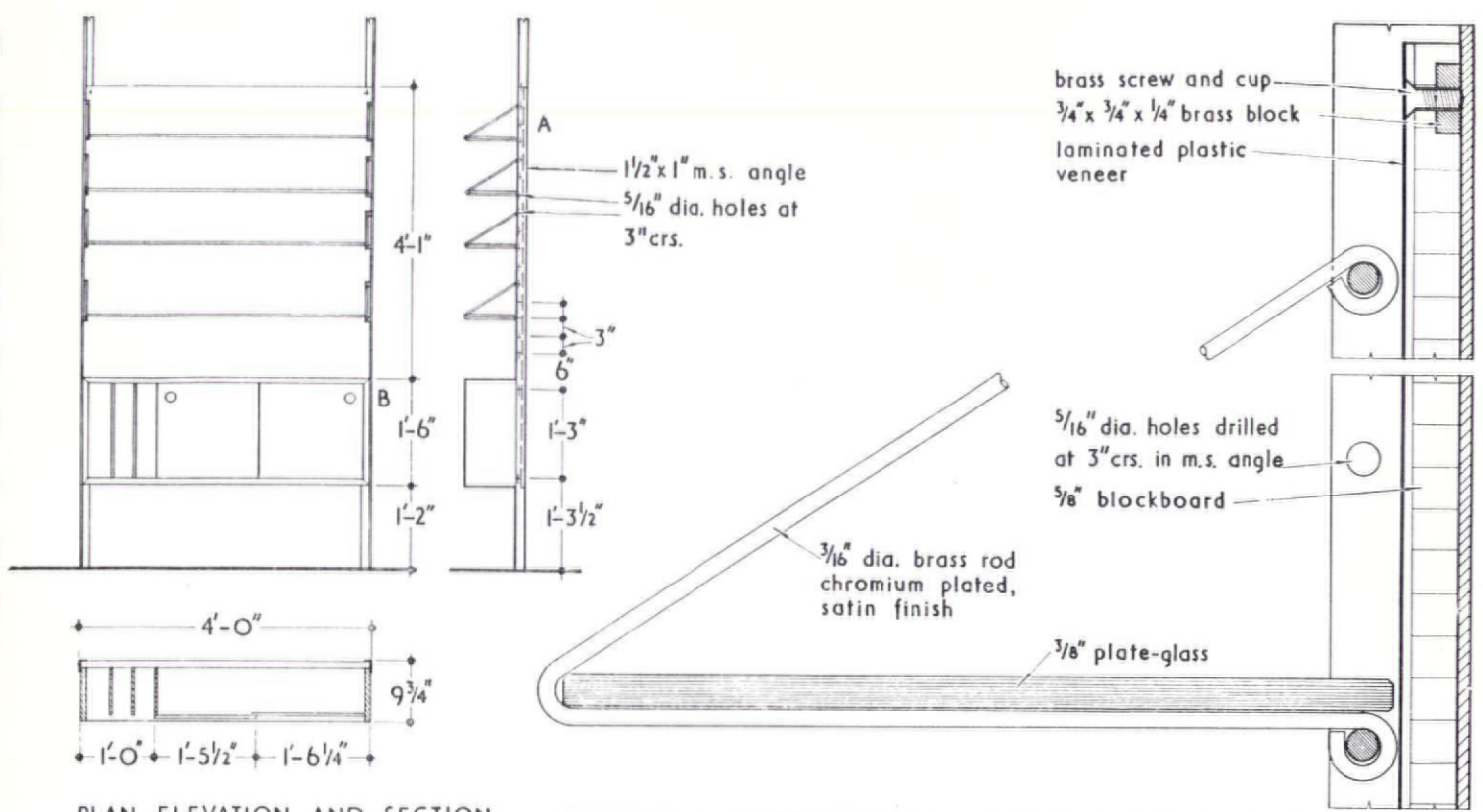
PLAN AT B-B.

BOOKSHELVES AND CUPBOARD : OFFICES IN LONDON, W.1

DESIGNED BY ROBIN DAY; MICHAEL ROSENAUER (architect to the building);
SIR HUGH CASSON (interior designer, in association with Misha Black of Design Research Unit)

The glass shelves are held by slender brackets to steel angles which extend from floor to ceiling.

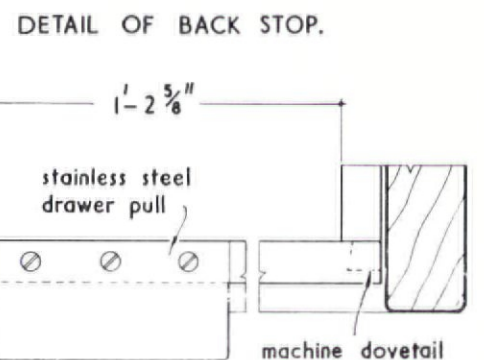
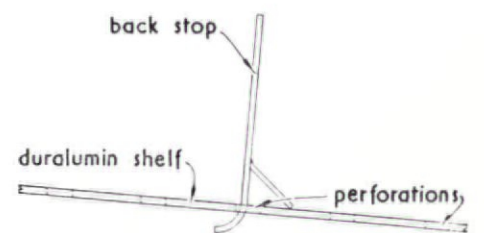
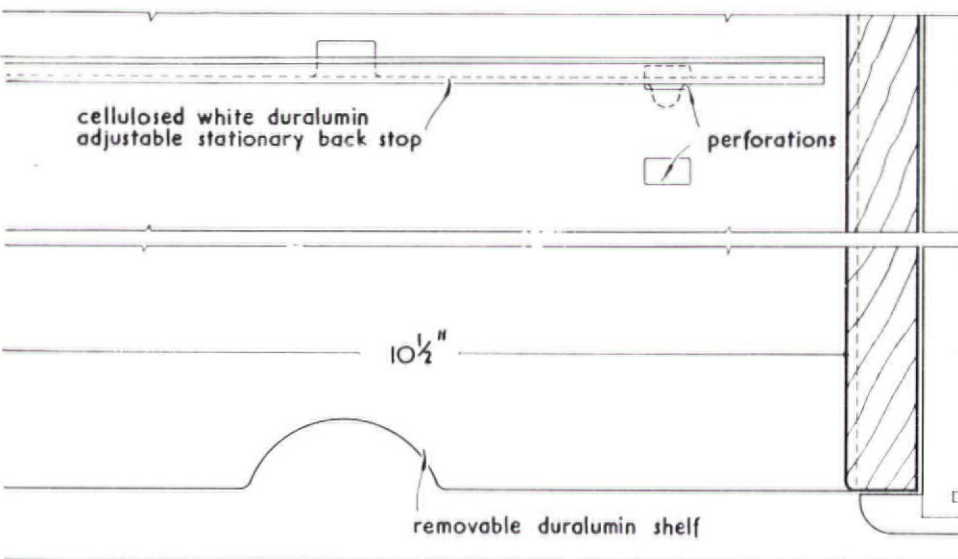
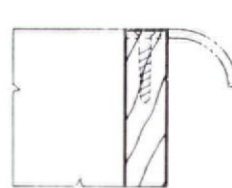
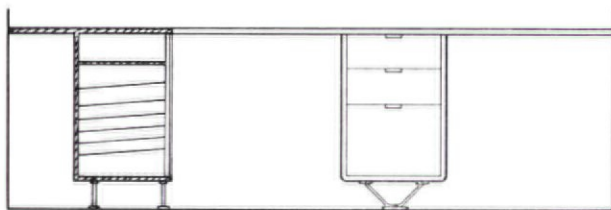
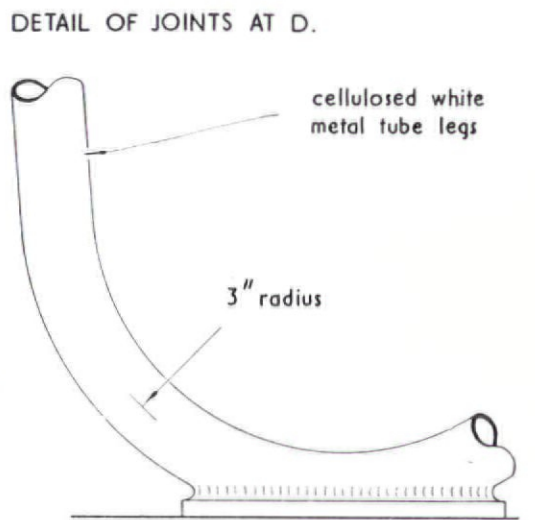
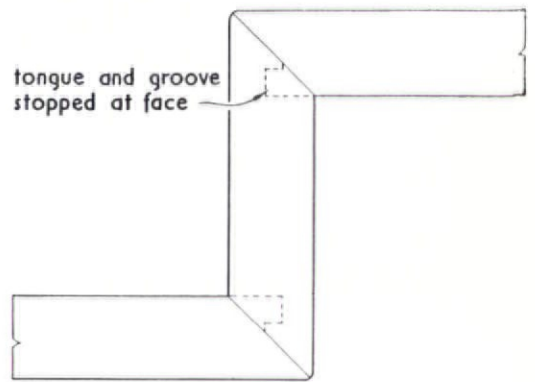
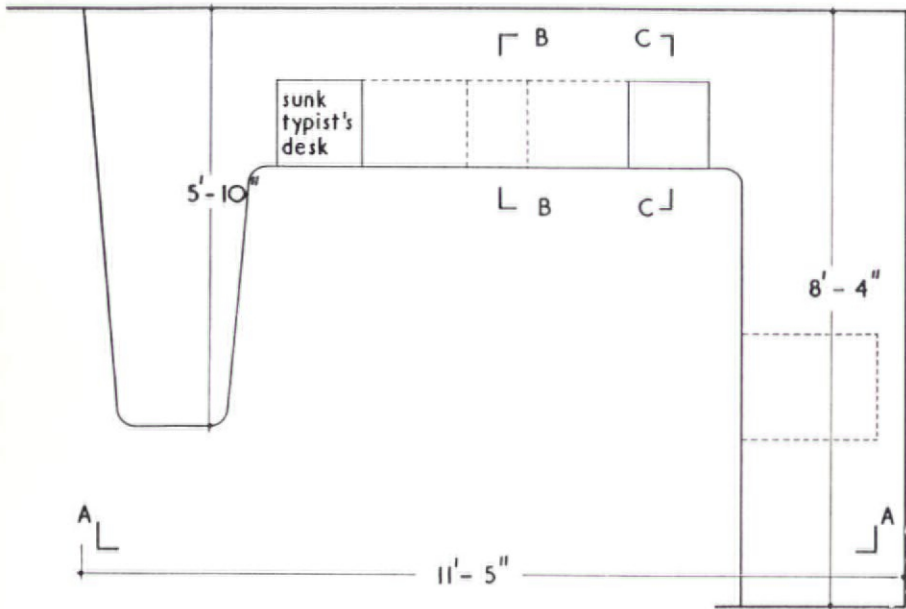
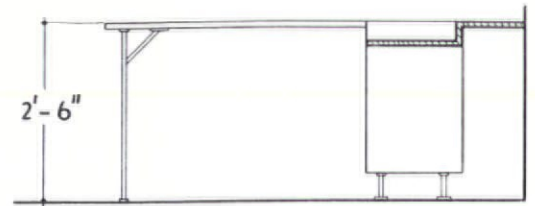
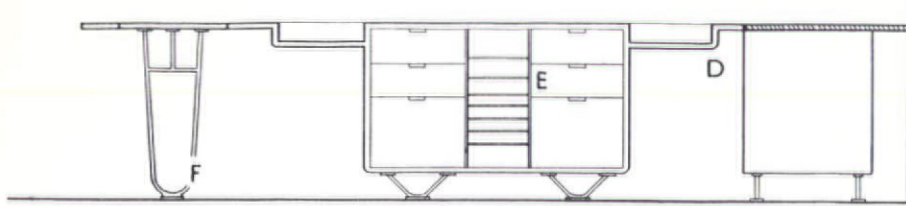




TYPISTS' DESKS : CLUB AT RUISLIP
DESIGNED BY GORDON SYMONDSON

The built-in desk is made of iroko and is supported by tubular metal legs.





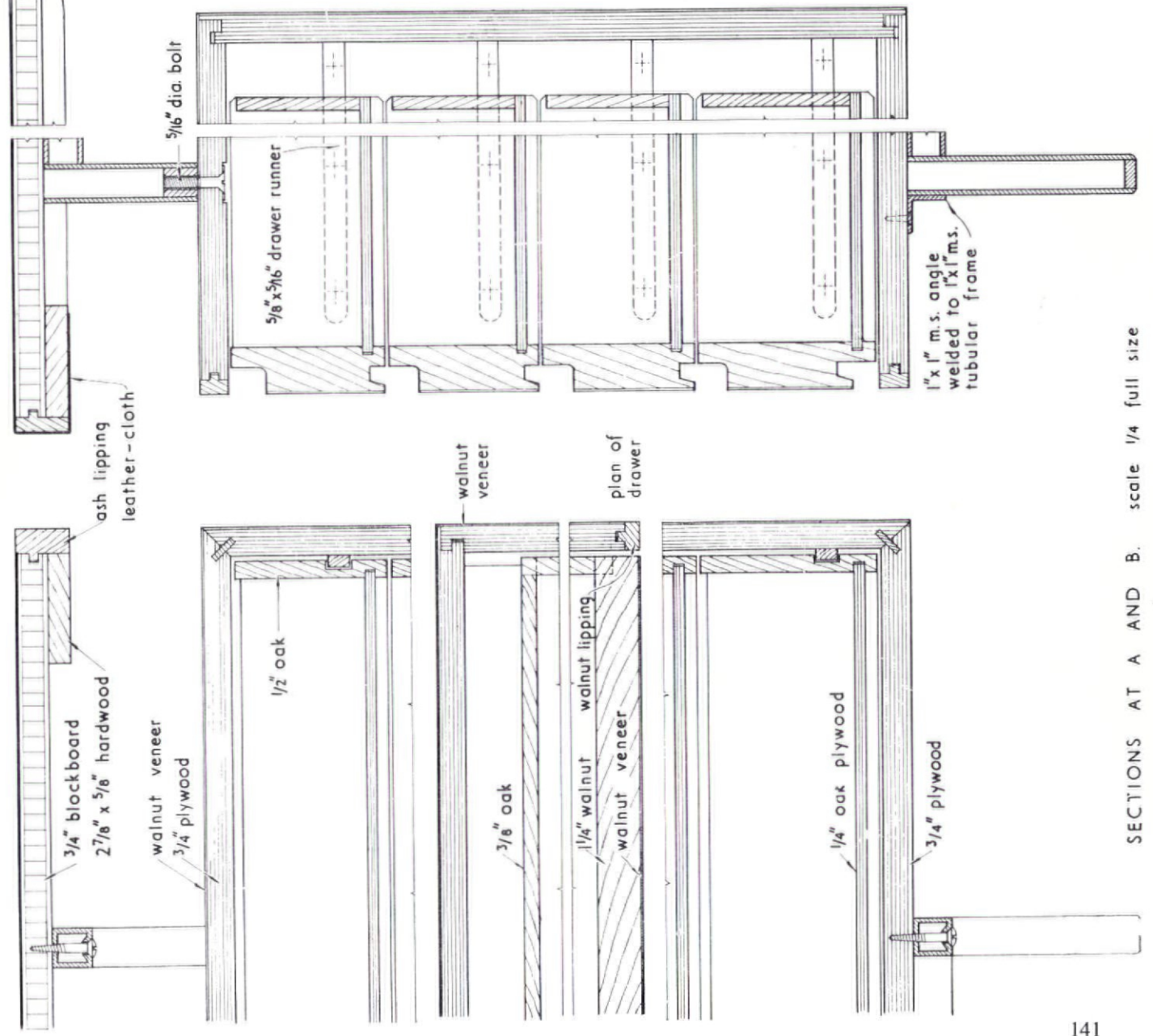
EXECUTIVE'S DESK : OFFICES IN LONDON, W.1

DESIGNED BY ROBIN DAY; MICHAEL ROSENAUER (architect to the building);
SIR HUGH CASSON (interior designer, in association with Misha Black of Design Research Unit)

The desk is veneered in straight-grained walnut and the blackboard top is covered in leathercloth and ash veneer.



solid ash lipping
ash veneer

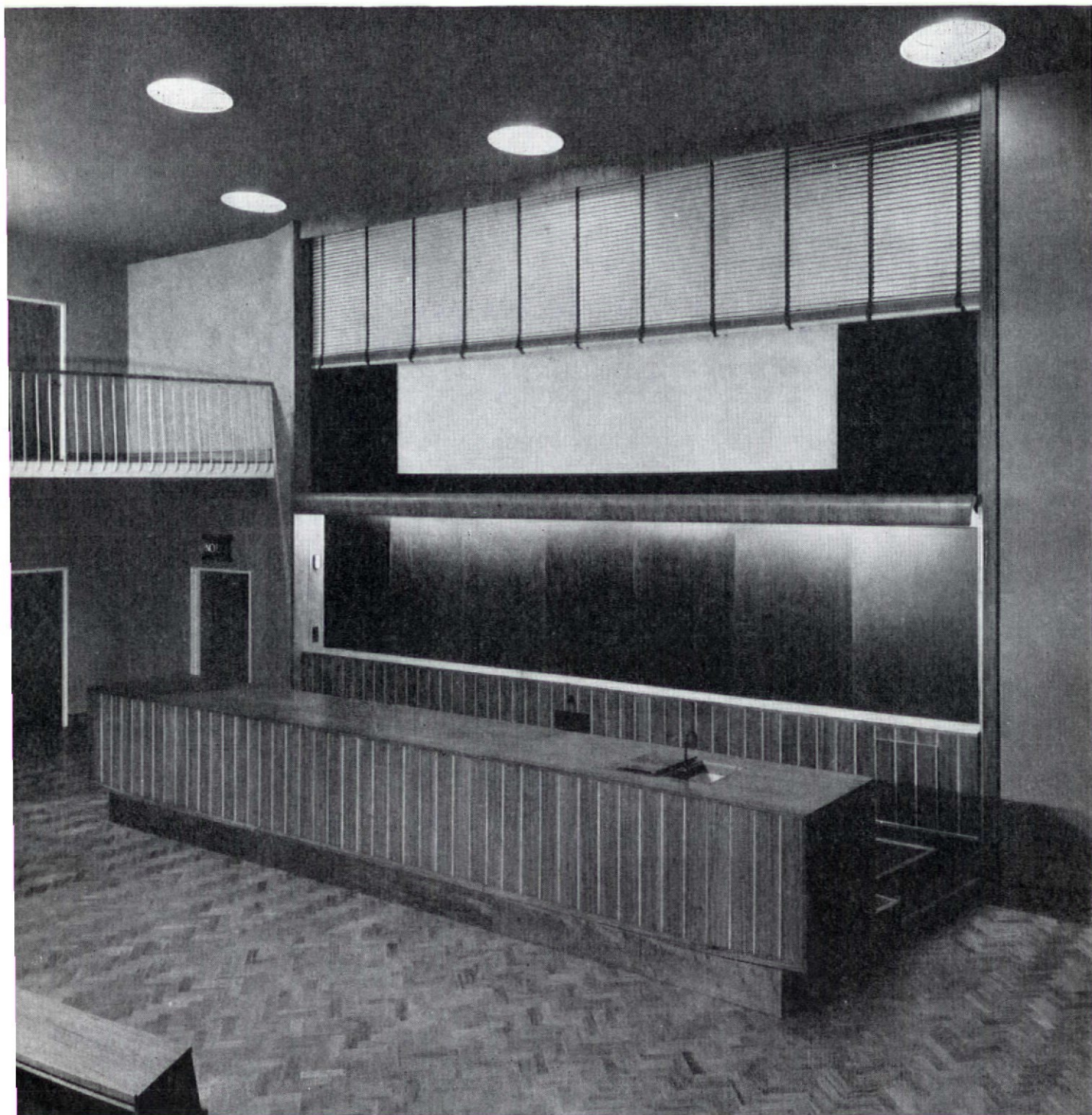


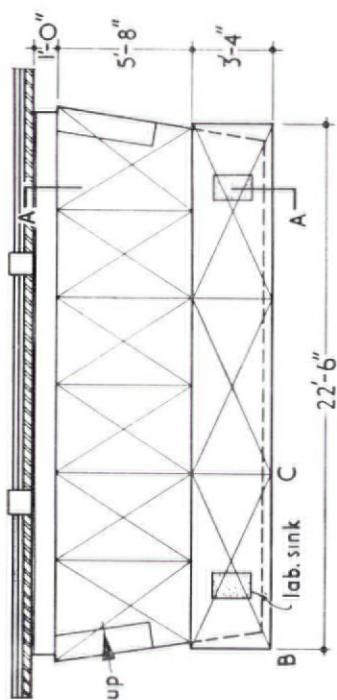
PLAN AND ELEVATIONS OF DESK.
scale 1/2" = 1'-0"

SECTIONS AT A AND B. scale 1/4" full size

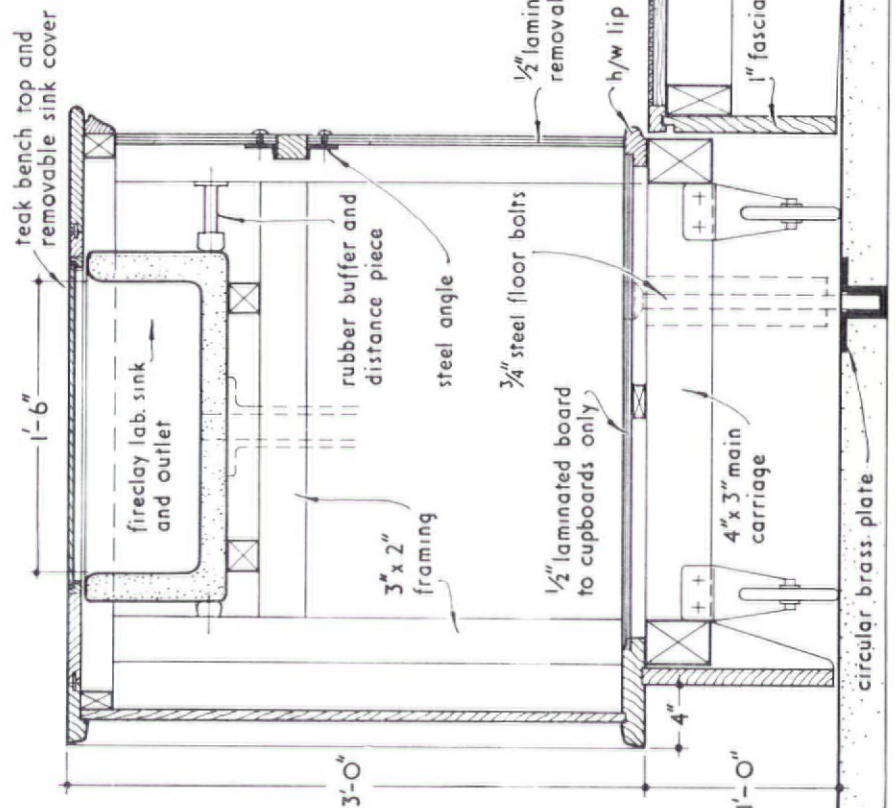
PRACTICAL LECTURE BENCH : EXTENSIONS TO UNIVERSITY OF DURHAM
DESIGNED BY J. S. ALLEN; OSCAR FABER AND PARTNERS (consulting engineers)

The dais and bench are built in sections so that they may be completely removed.





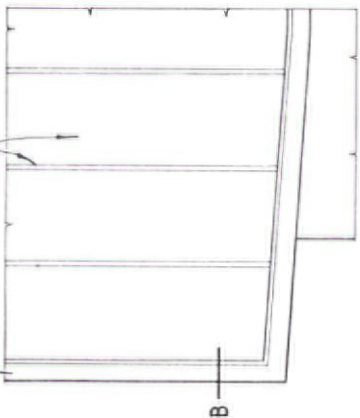
KEY PLAN OF BENCH AND DAIS scale $\frac{1}{8}" = 1'-0"$



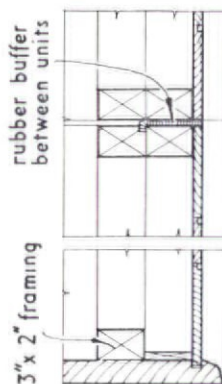
SECTION THRO' BENCH, DAIS AND CHALKBOARD AT A-A scale $1" = 1'-0"$

teak

6" x 1 1/2" mahogany boarding with flush sycamore fillets



PART FRONT ELEVATION OF BENCH



PART PLAN OF BENCH scale $1" = 1'-0"$

rebated mahogany cover bead ex. 3" x 2"

felt packing

5/16" ground opaque glass chalkboard

2" x 1" framing

built-up chalk tray ex. 13" x 2"

6" x 1 1/2" mahogany boarding

mahogany frame ex. 6" x 1 1/2"

mahogany upstand ex. 5" x 2 1/2"

2" x 2" framing

9" x 2" x 1 1/4" w.i. strap (3 per section)

3/4" mahogany panels

4" x 2" joists at 1'-4" crs.

circular brass plate

1" fascia

7" x 2" bearers

4" x 2" spacing piece

1/4" cork tile

3/4" t. and g. boarding

1/2" laminated veneered removable panel

h/w lip ex. 2 1/2" x 1 1/2"

4" x 3" main carriage

3/4" steel floor bolts

steel angle

rubber buffer and distance piece

3" x 2" framing

1'-6"

teak bench top and removable sink cover

fireclay lab. sink and outlet

3'-0"

1'-0"

1'-6"

22'-6"

3'-4"

5'-8"

1'-0"

up

lab. sink

C

B

A

A-A

B-B

C-C

D-D

E-E

F-F

G-G

H-H

I-I

J-J

K-K

L-L

M-M

N-N

O-O

P-P

Q-Q

R-R

S-S

T-T

U-U

V-V

W-W

X-X

Y-Y

Z-Z

AA-AA

BB-BB

CC-CC

DD-DD

EE-EE

FF-FF

GG-GG

HH-HH

II-II

JJ-JJ

KK-KK

LL-LL

MM-MM

NN-NN

OO-OO

PP-PP

QQ-QQ

RR-RR

SS-SS

TT-TT

UU-UU

VV-VV

WW-WW

XX-XX

YY-YY

ZZ-ZZ

AAA-AAA

BBB-BBB

CCC-CCC

DDD-DDD

EEE-EEE

FFF-FFF

GGG-GGG

HHH-HHH

III-III

JJJ-JJJ

KKK-KKK

LLL-LLL

MMM-MMM

NNN-NNN

OOO-OOO

PPP-PPP

QQQ-QQQ

RRR-RRR

SSS-SSS

TTT-TTT

UUU-UUU

VVV-VVV

WWW-WWW

XXX-XXX

YYY-YYY

ZZZ-ZZZ

AAA-AAA

BBB-BBB

CCC-CCC

DDD-DDD

EEE-EEE

FFF-FFF

GGG-GGG

HHH-HHH

III-III

JJJ-JJJ

KKK-KKK

LLL-LLL

MMM-MMM

NNN-NNN

OOO-OOO

PPP-PPP

QQQ-QQQ

RRR-RRR

SSS-SSS

TTT-TTT

UUU-UUU

VVV-VVV

WWW-WWW

XXX-XXX

YYY-YYY

ZZZ-ZZZ

AAA-AAA

BBB-BBB

CCC-CCC

DDD-DDD

EEE-EEE

FFF-FFF

GGG-GGG

HHH-HHH

III-III

JJJ-JJJ

KKK-KKK

LLL-LLL

MMM-MMM

NNN-NNN

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PPP-PPP

QQQ-QQQ

RRR-RRR

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UUU-UUU

VVV-VVV

WWW-WWW

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YYY-YYY

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WWW-WWW

XXX-XXX

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AAA-AAA

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HHH-HHH

III-III

JJJ-JJJ

KKK-KKK

LLL-LLL

MMM-MMM

NNN-NNN

OOO-OOO

PPP-PPP

QQQ-QQQ

RRR-RRR

SSS-SSS

TTT-TTT

UUU-UUU

VVV-VVV

WWW-WWW

XXX-XXX

YYY-YYY

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AAA-AAA

BBB-BBB

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GGG-GGG

HHH-HHH

III-III

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KKK-KKK

LLL-LLL

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NNN-NNN

OOO-OOO

PPP-PPP

QQQ-QQQ

RRR-RRR

SSS-SSS

TTT-TTT

UUU-UUU

VVV-VVV

WWW-WWW

XXX-XXX

YYY-YYY

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SSS-SSS

TTT-TTT

UUU-UUU

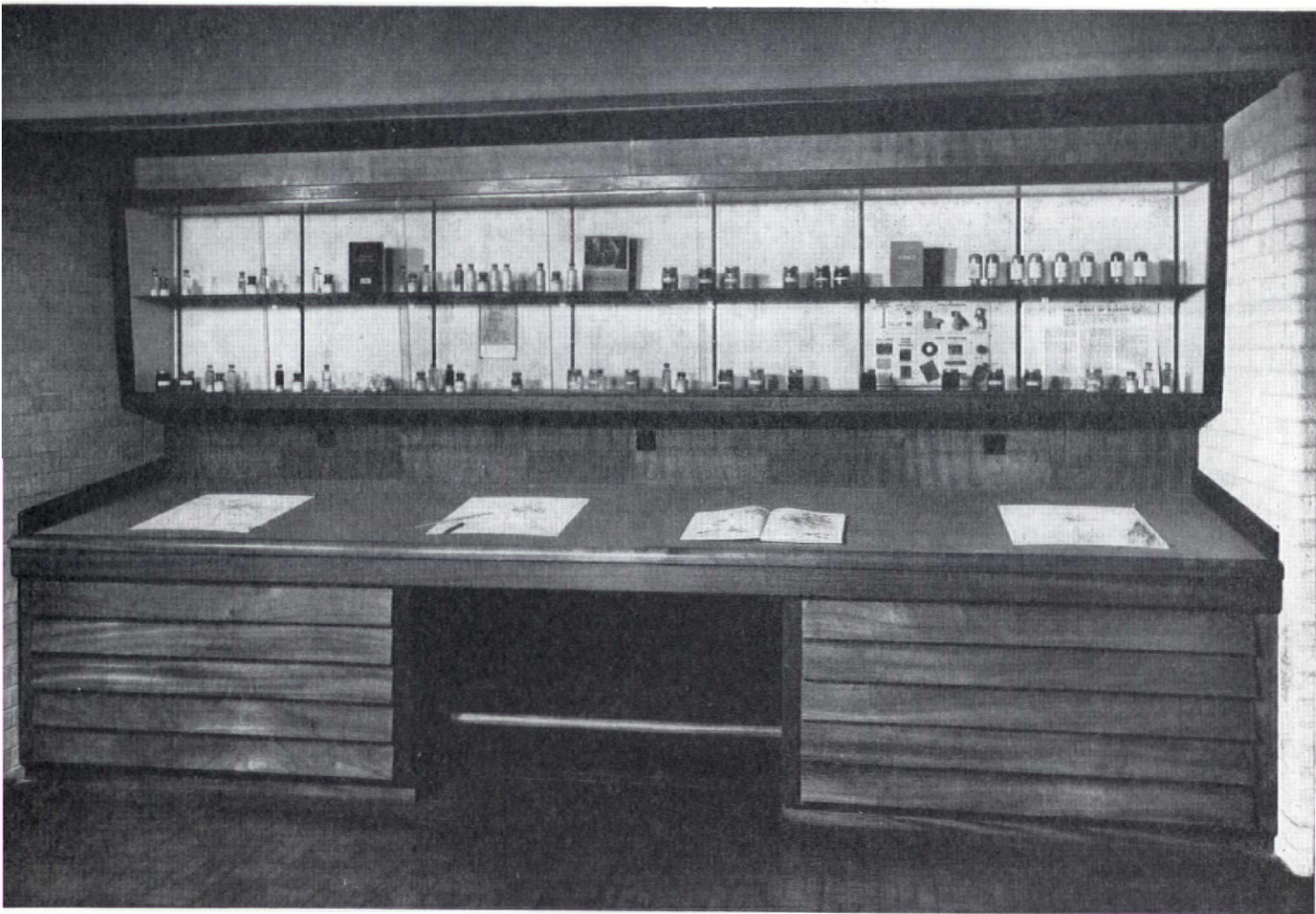
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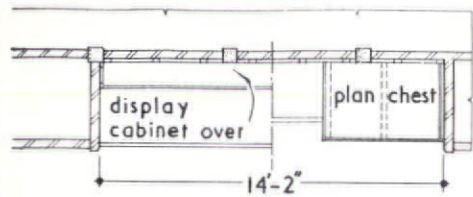
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XXX-XXX

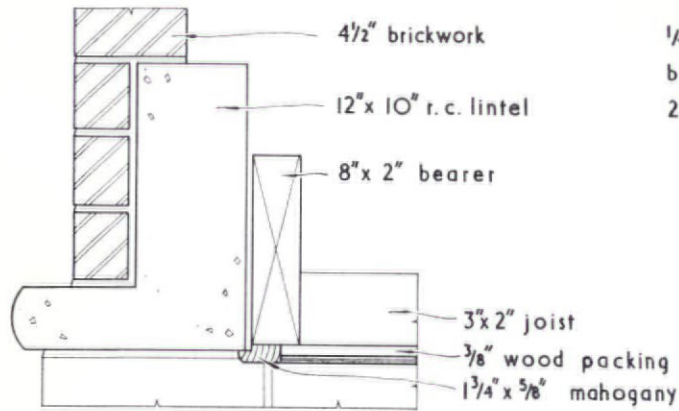
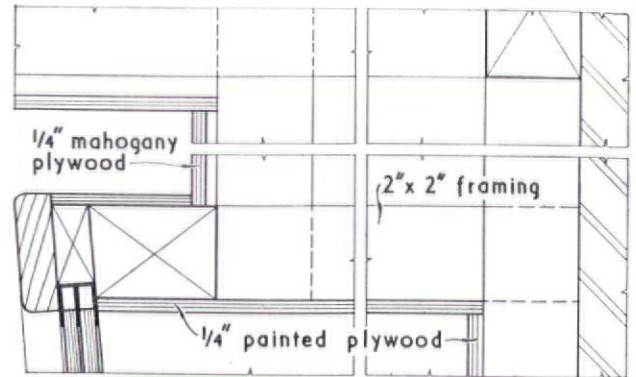
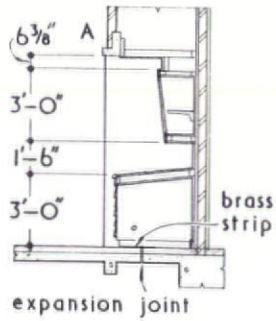
GEOGRAPHY ROOM FITTING: TECHNICAL COLLEGE AT HATFIELD
DESIGNED BY EASTON AND ROBERTSON

The drawers for maps and charts are made of mahogany with the fronts shaped so as to provide continuous hand-grips.

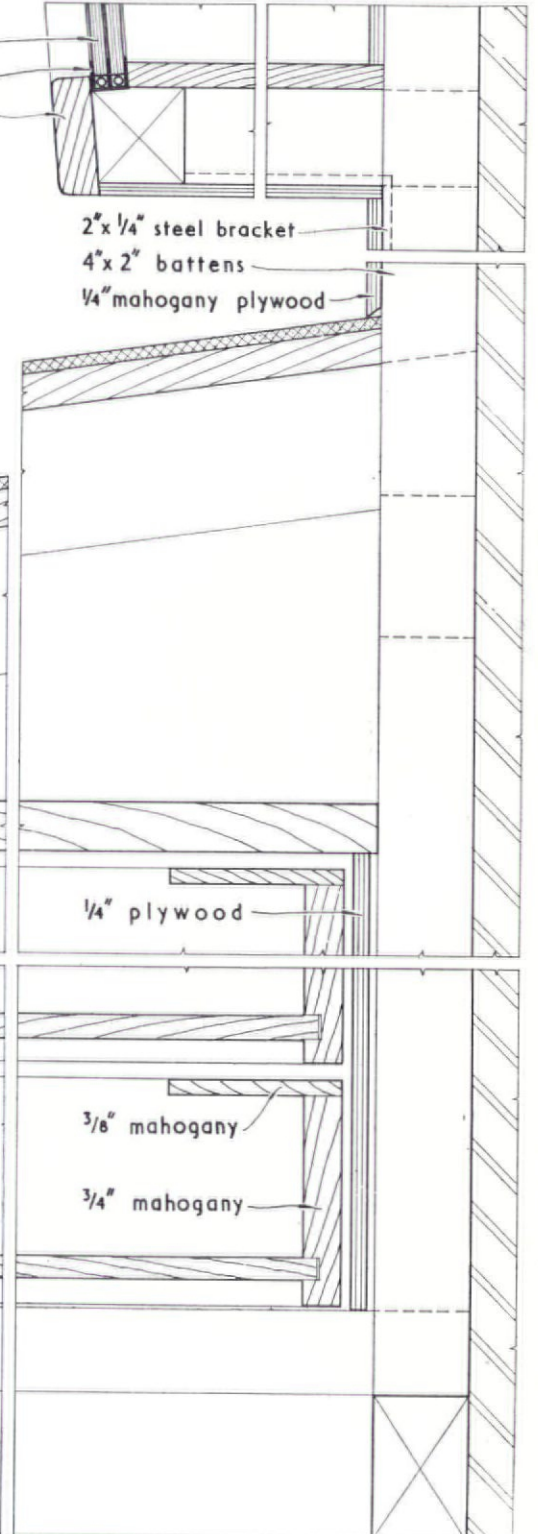
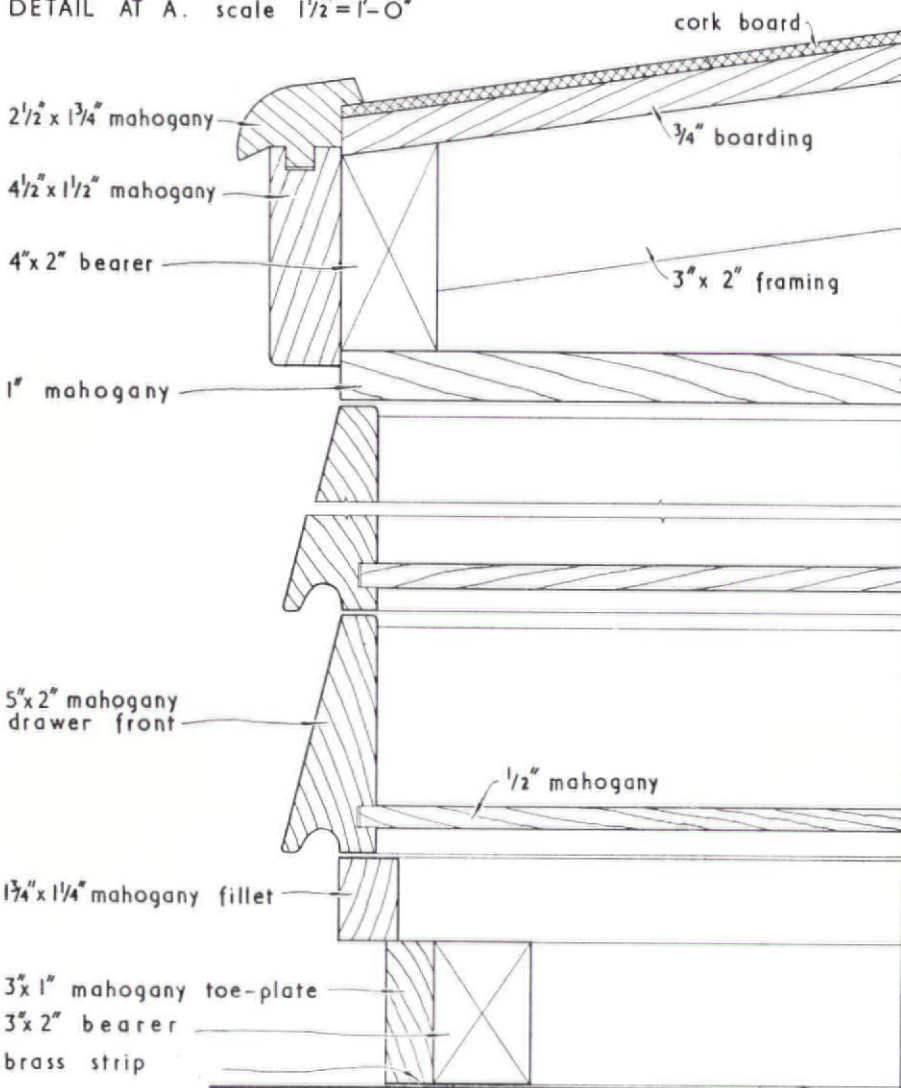




PLAN AND SECTION THRO'
CENTRE OF FITMENT
scale $\frac{1}{8}'' = 1'-0''$



DETAIL AT A. scale $\frac{1}{2}'' = 1'-0''$



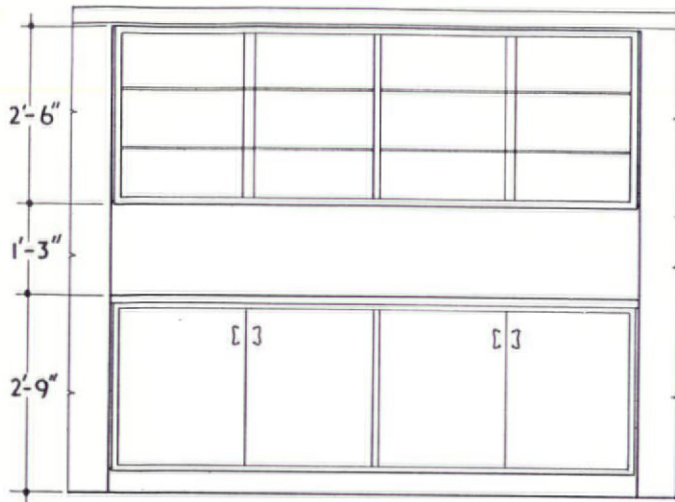
SECTION THROUGH FITMENT. scale $\frac{1}{4}$ full size

SHOWCASE: SOCIETY HEADQUARTERS, LONDON, N.W.1

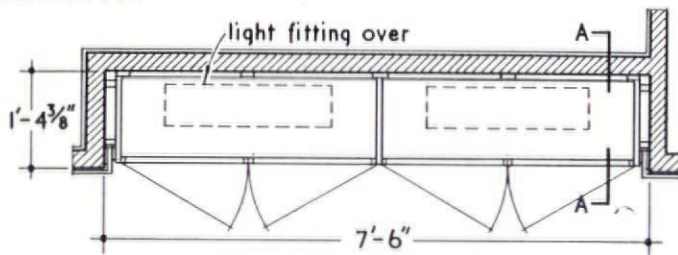
DESIGNED BY JOHN AND ELIZABETH EASTWICK-FIELD IN COLLABORATION WITH HUGH PITE

The showcase has glass shelves and sliding doors and is fitted into a recess lined with hardwood. The cupboard doors are of painted blockboard.

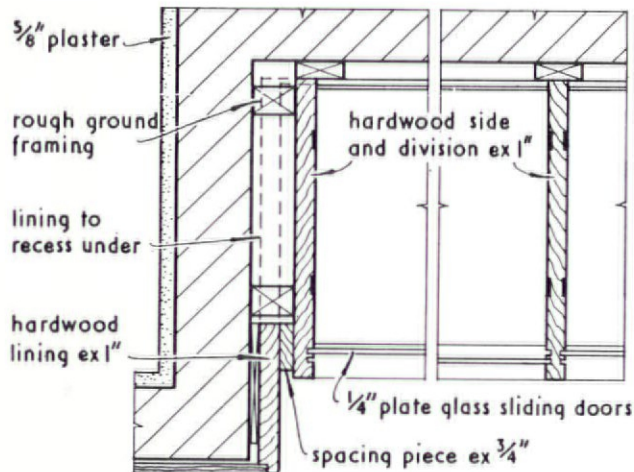




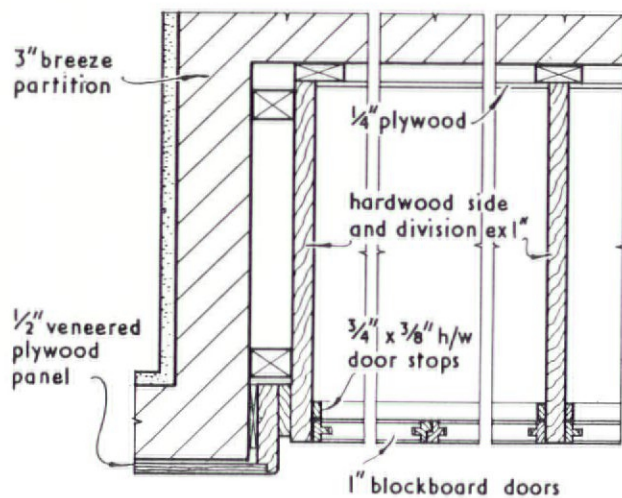
ELEVATION.



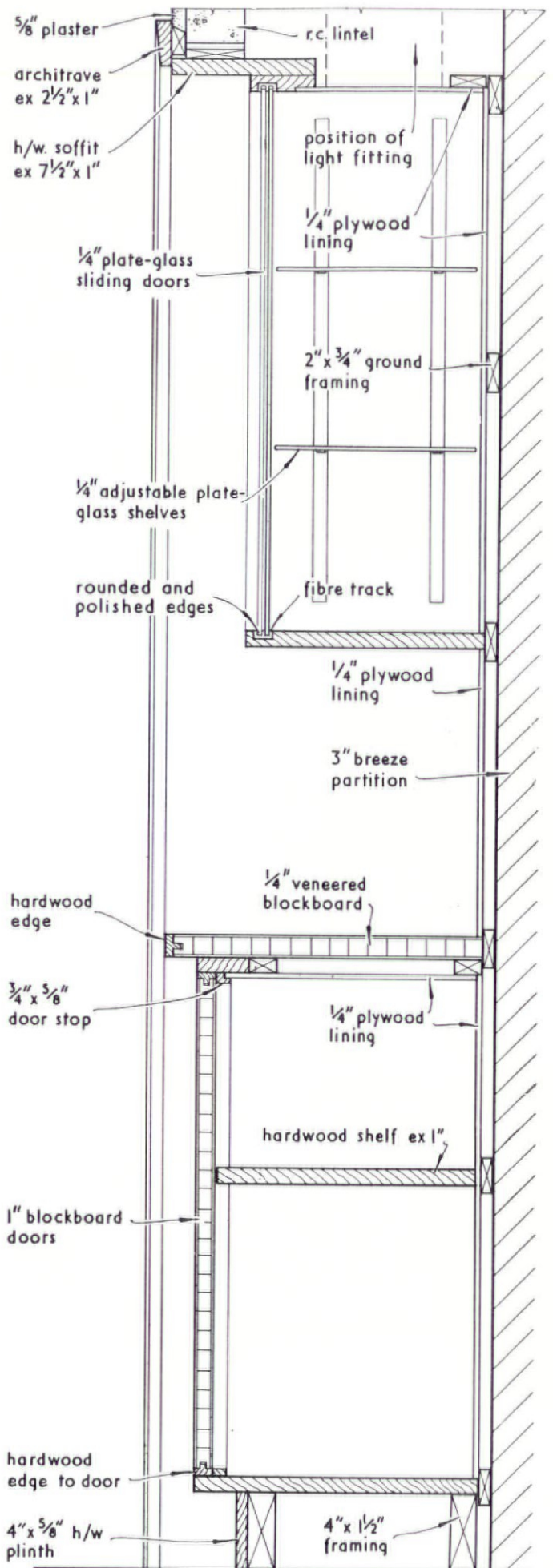
KEY PLAN OF FITMENT. scale 3/8" = 1'-0"



PLAN OF SHOWCASES. scale 1 1/2" = 1'-0"



PLAN OF CUPBOARDS. scale 1 1/2" = 1'-0"



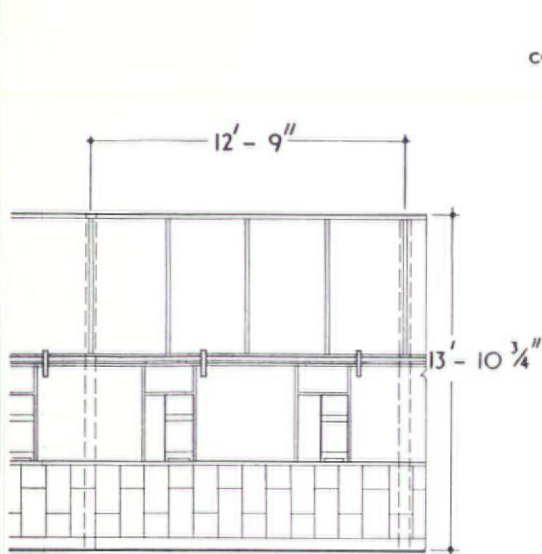
SECTION THRO' FITMENT AT A-A. scale 1 1/2" = 1'-0"

BOOKING OFFICE SCREEN: PADDINGTON STATION, LONDON, W.2

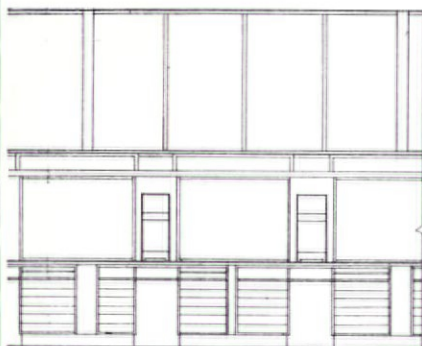
DESIGNED BY THE ARCHITECT'S OFFICE, BRITISH RAILWAYS (Western Region), UNDER THE DIRECTION OF THE CIVIL ENGINEER; W. R. HEADLEY, T. P. WURR, MARGARET AITKEN (assistants)

The panels between the ticket windows are of cellular plastic sheeting, veneered with sapele mahogany. The large numerals are of cast aluminium

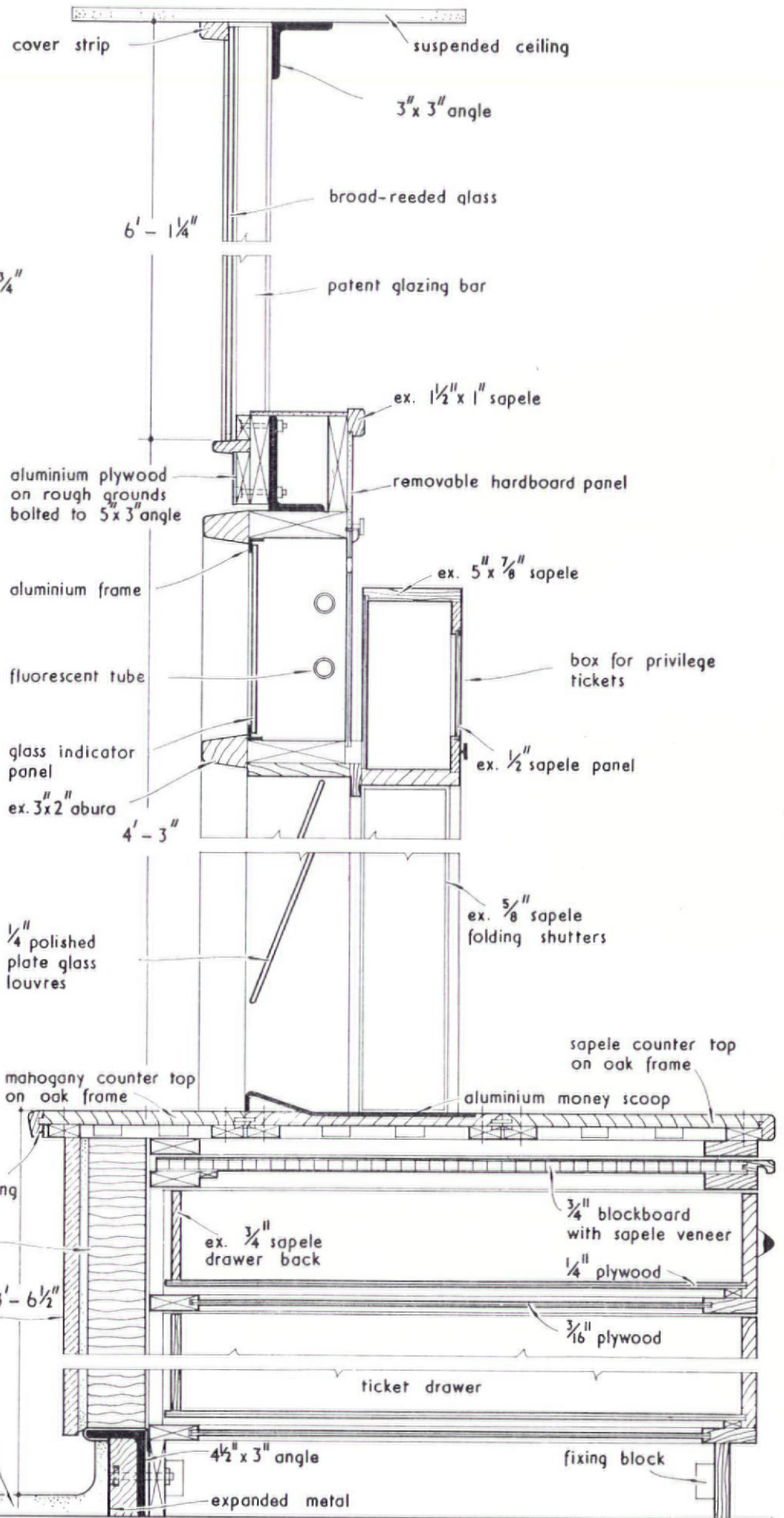




FRONT ELEVATION OF
BOOKING OFFICE SCREEN.



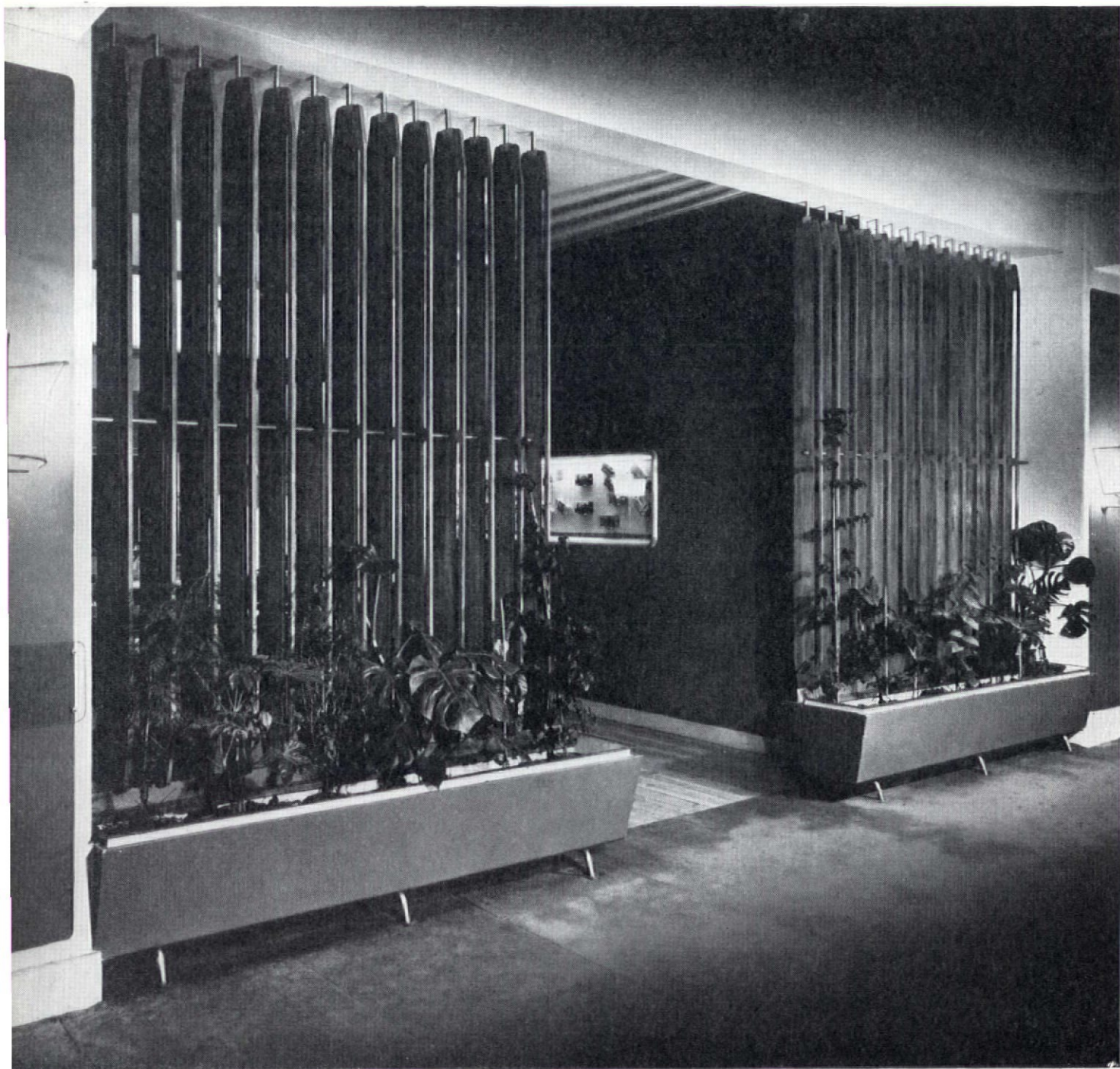
INTERIOR ELEVATION.
scale 1/8" = 1'-0"

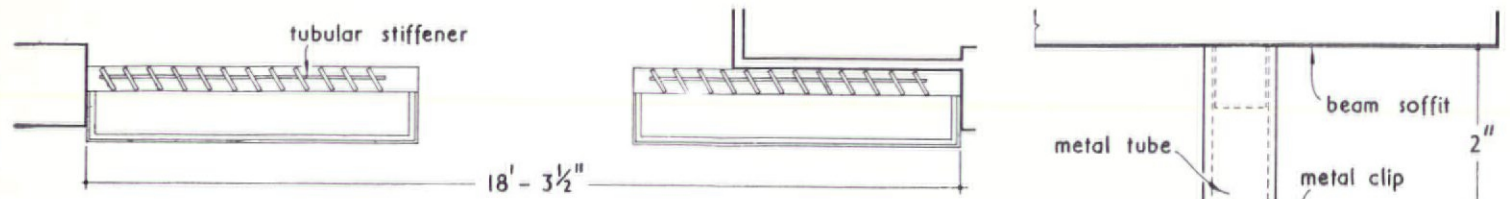


VERTICAL SECTION THROUGH TICKET WINDOW AND DRAWERS scale 1/2" = 1'-0"

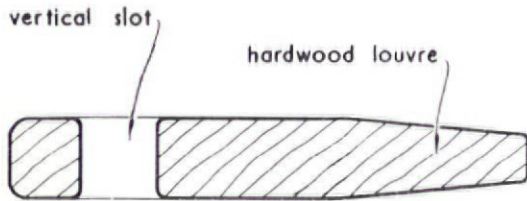
SCREENS AND FLOWER BOXES : RESTAURANT IN LONDON, W.1
DESIGNED BY JACQUES GROAG

The vertical hardwood louvres of the screen form a support for climbing plants.





PLAN OF SCREEN AND FLOWER BOXES. scale 1/4" = 1' - 0"

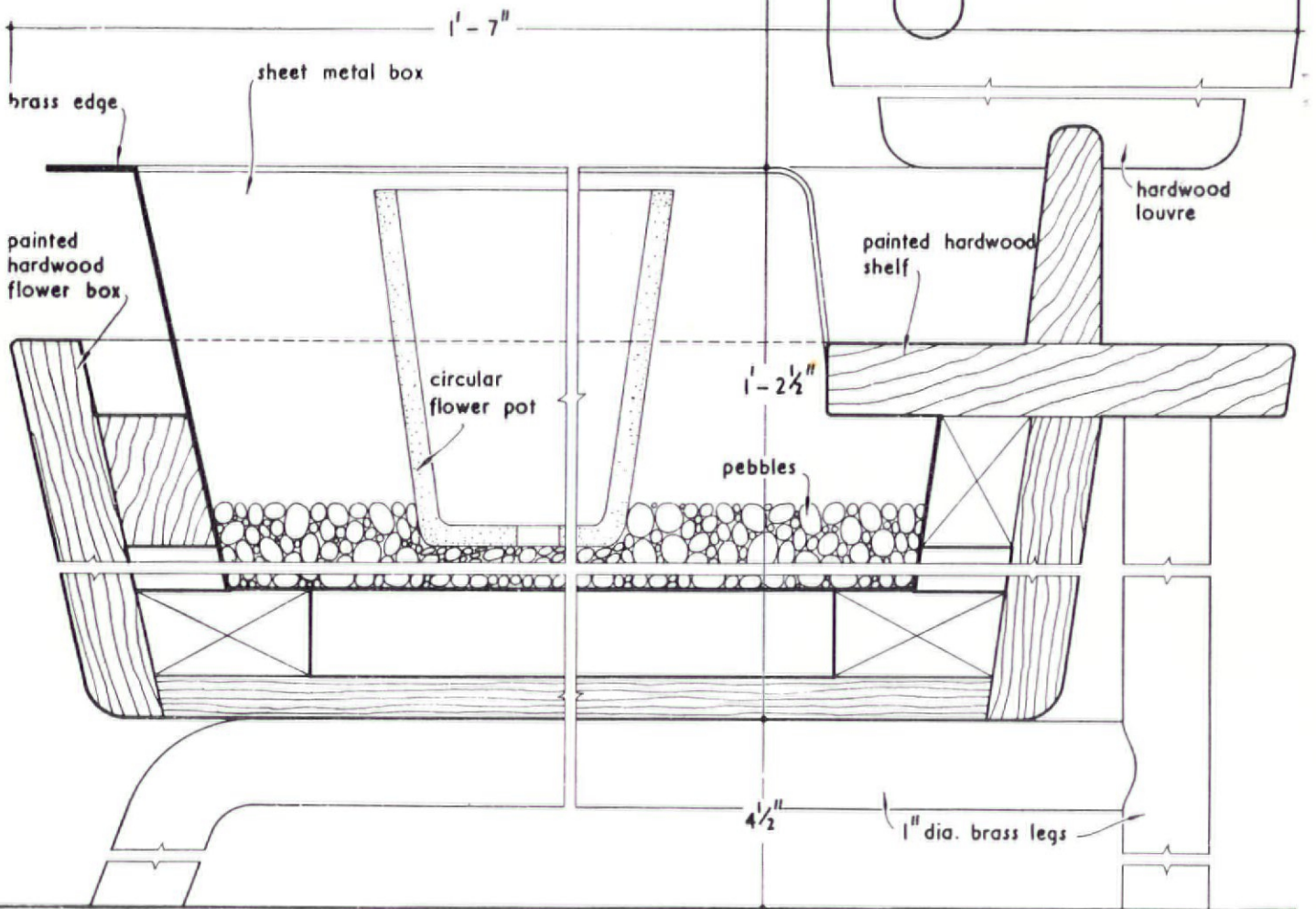


PLAN OF LOUVRE. scale 1/2 full size

ELEVATION OF LOUVRE. scale 3/8" = 1' - 0"



7' - 11"



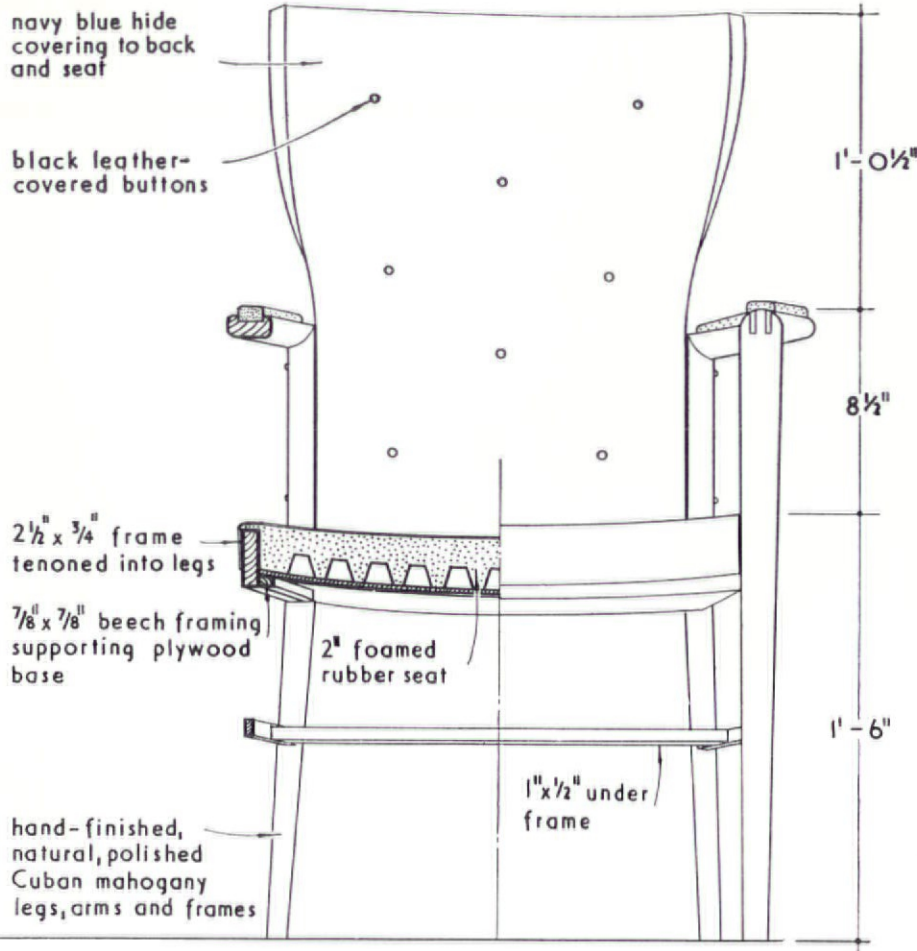
VERTICAL SECTION THROUGH SCREEN AND FLOWER BOX scale 1/2 full size

OFFICE CHAIRS : BANK IN LONDON E.C.3

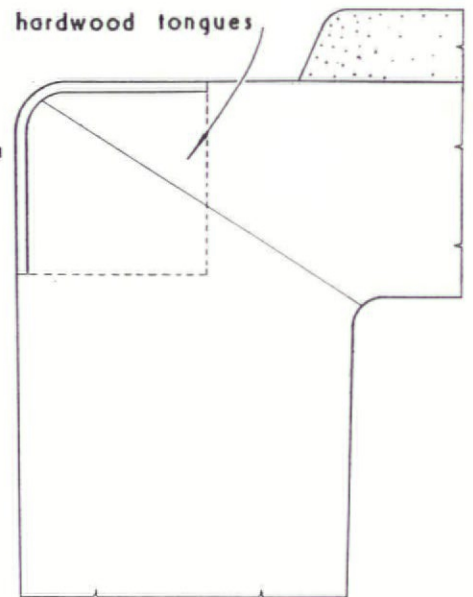
DESIGNED BY WESTWOOD, SONS AND HARRISON; JAMES A. CRABTREE (assistant architect-in-charge)

The chairs are in mahogany and have backs and seats upholstered in foamed rubber covered with hide.

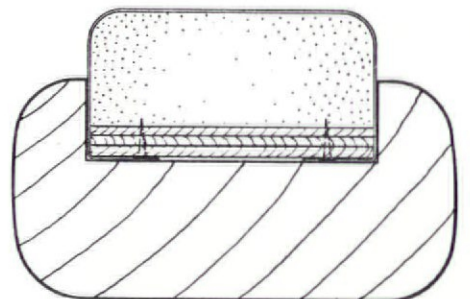




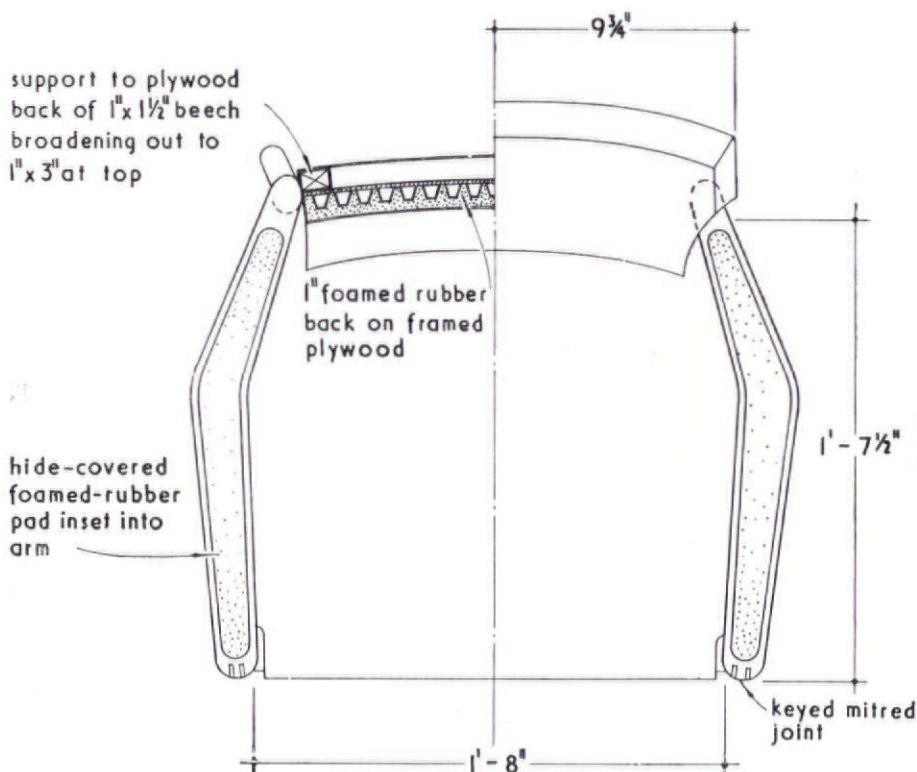
PART SECTION AND FRONT ELEVATION OF CHAIR. scale 1 1/2" = 1'-0"



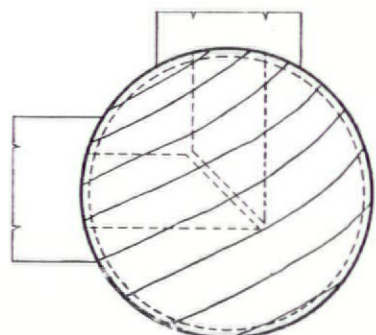
SIDE ELEVATION OF KEYED MITRED JOINT. scale full size



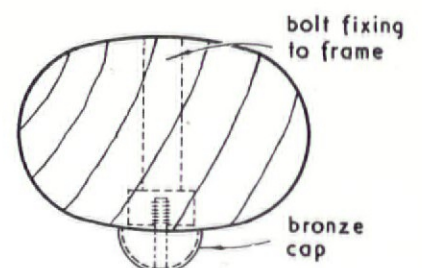
FULL SIZE SECTION THRO' ARM.



PART SECTION AND PLAN OF CHAIR. scale 1 1/2" = 1'-0"



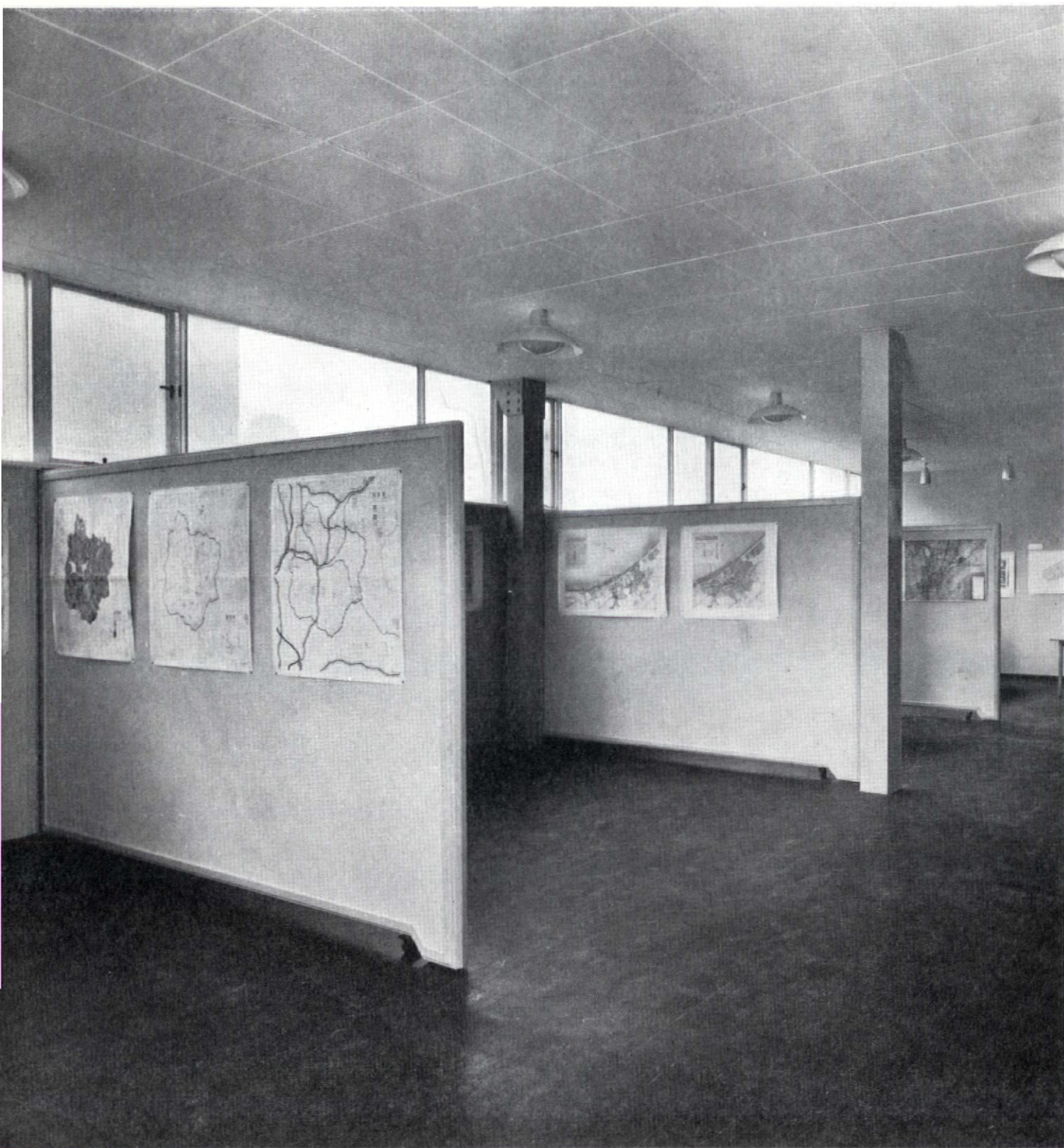
FULL SIZE SECTION THRO' FRONT LEG.

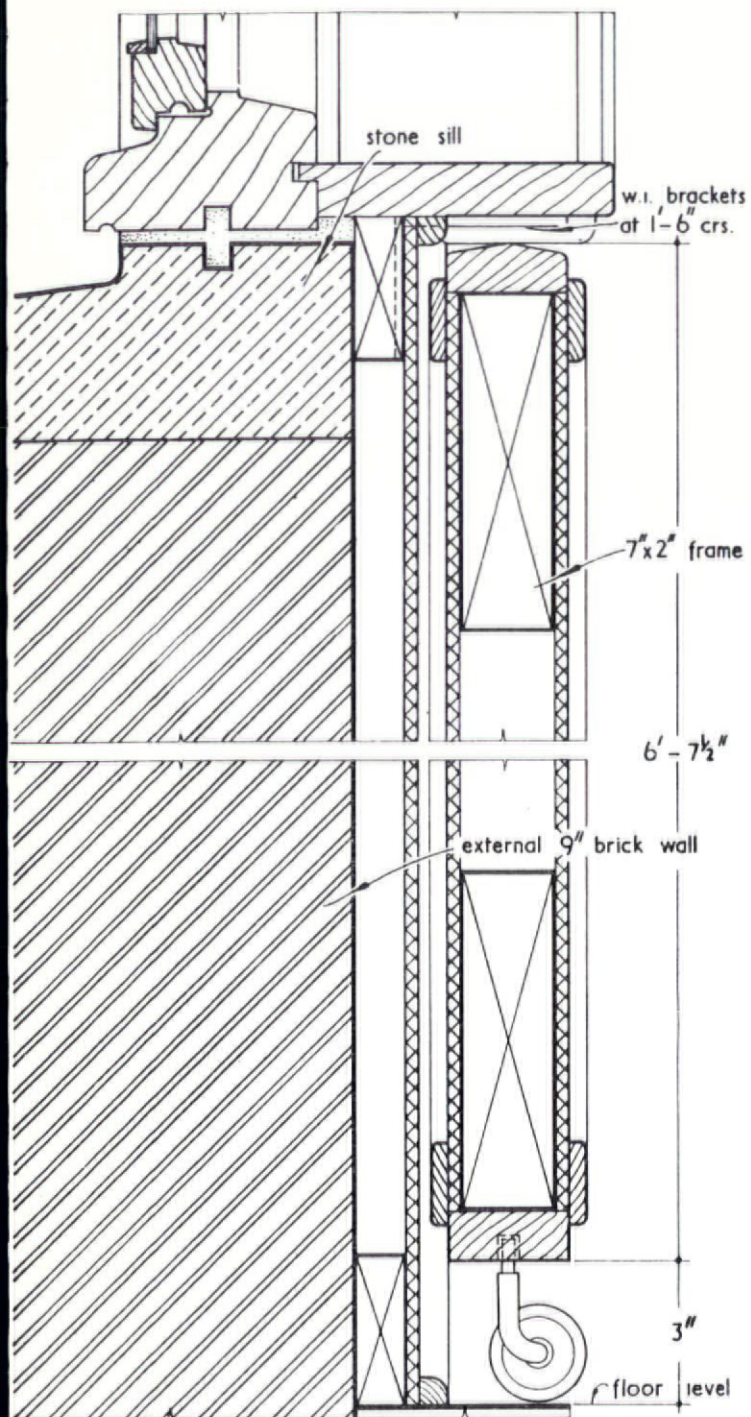


FULL SIZE SECTION THRO' BACK LEG.

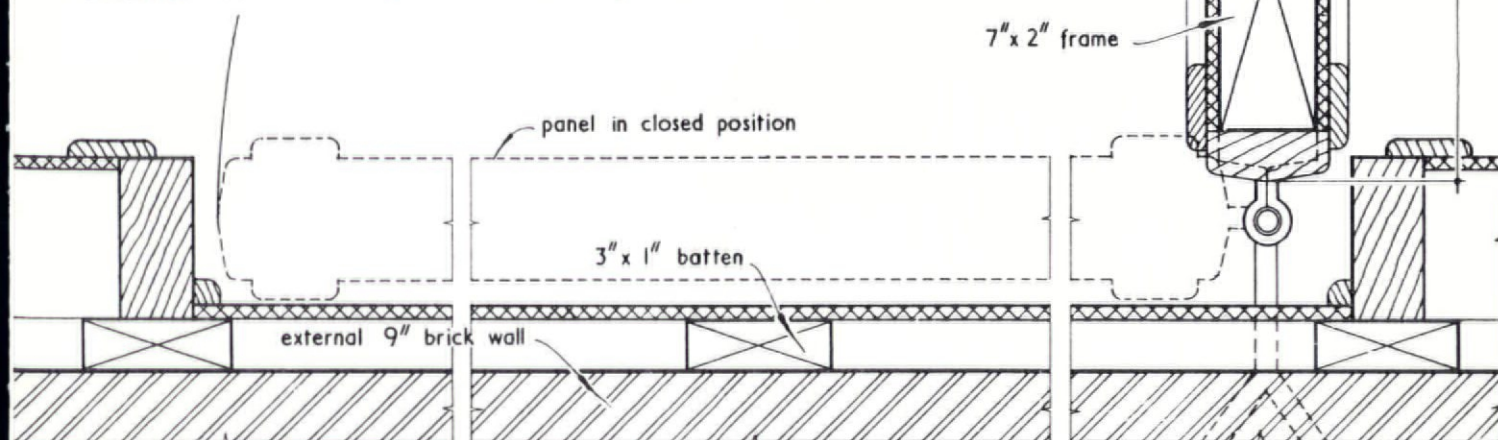
DISPLAY PANELS, DEPARTMENT OF CIVIC DESIGN, UNIVERSITY OF LIVERPOOL
DESIGNED BY GORDON STEPHENSON; NORMAN KINGHAM (assistant architect)

The panels, which are for exhibiting students' drawings, are hinged to fold back against the wall. A small pivoted wheel supports the free end of the panel.

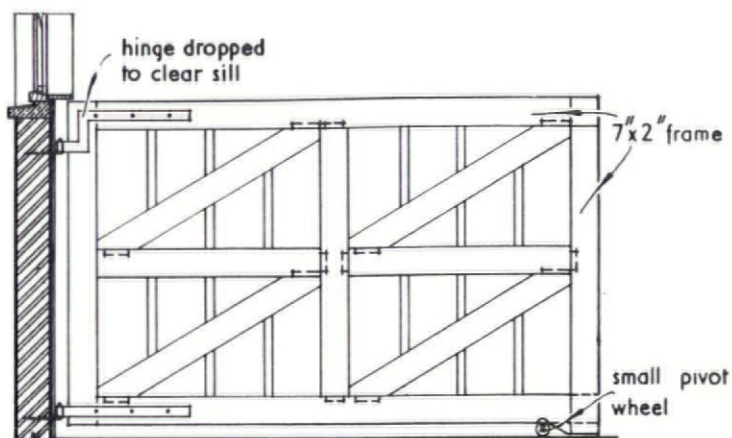




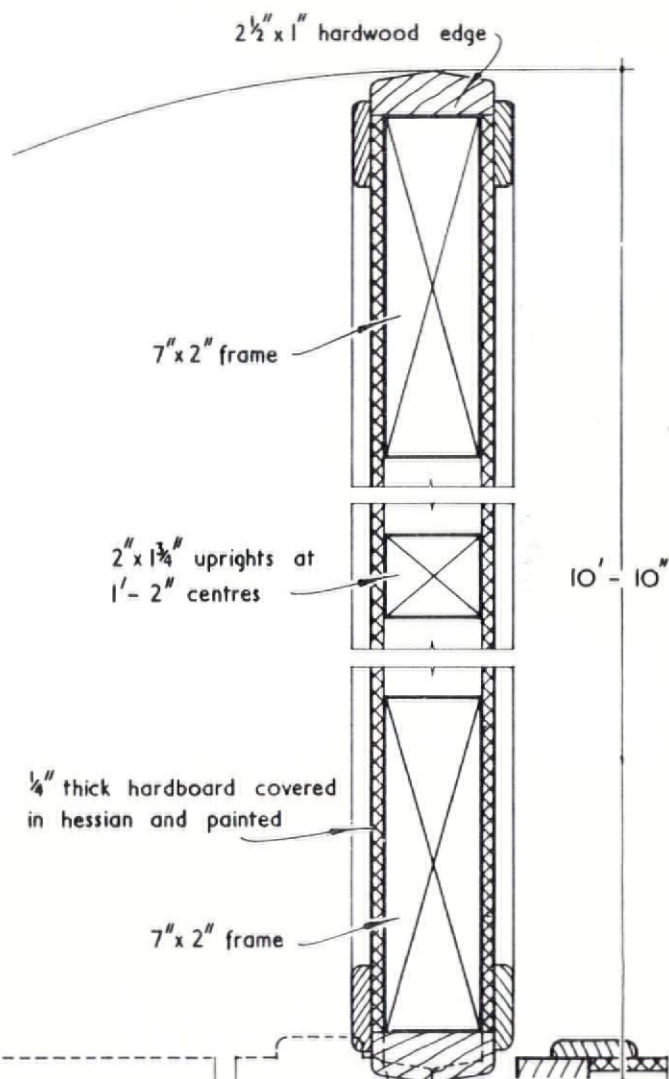
VERTICAL SECTION THRO' PANEL scale 1/4 full size



PLAN OF PANEL AND RECESS. scale 1/4 full size



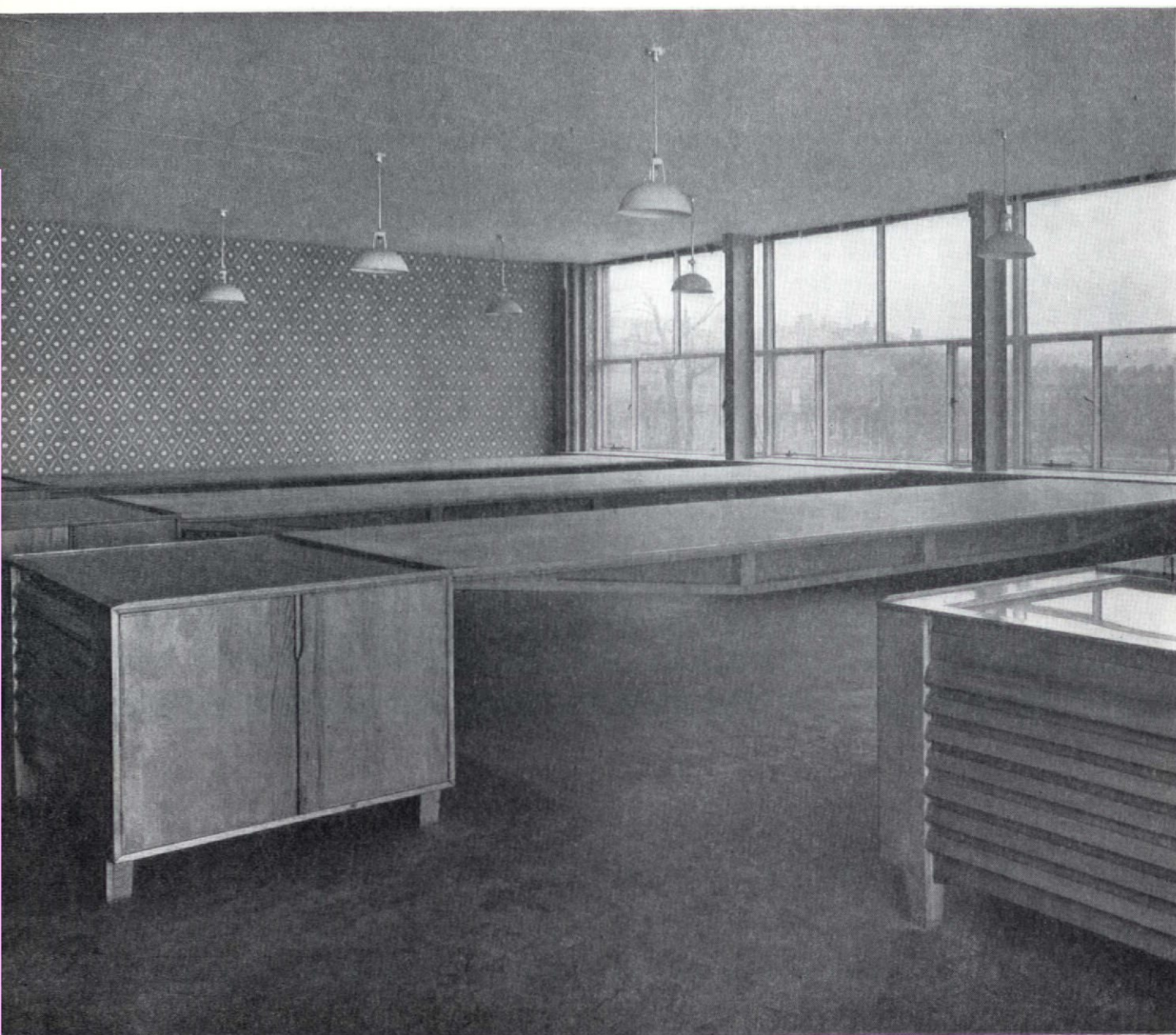
ELEVATION SHOWING FRAMING OF PANEL scale 1/4" = 1'-0"

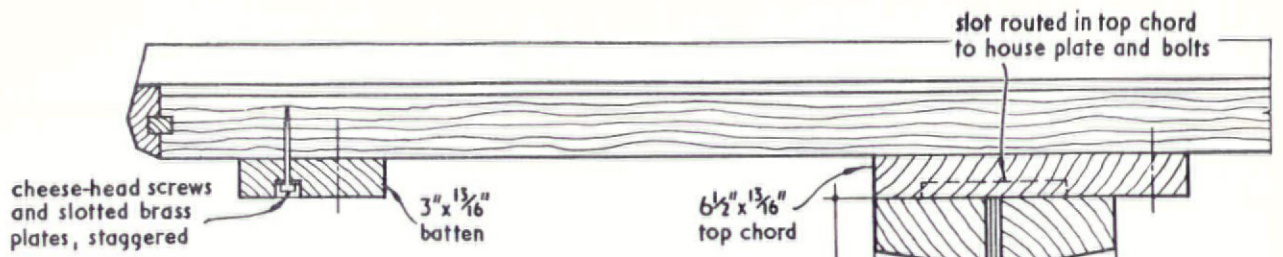


DRAWING TABLES: DEPARTMENT OF CIVIC DESIGN, UNIVERSITY OF LIVERPOOL

DESIGNED BY R. D. RUSSELL IN COLLABORATION WITH JOHN BROADBENT;
GORDON STEPHENSON (architect for the University Building); NORMAN KINGHAM (assistant architect)

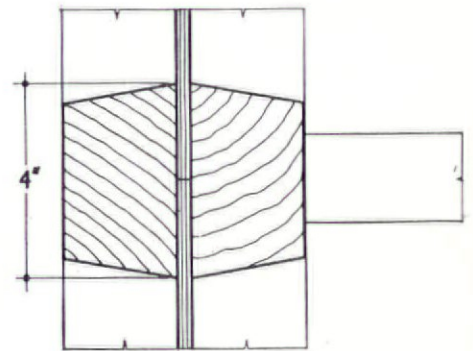
The long drawing tables, supported at their ends only, have been designed to carry a load of 70 lb./sq. ft.



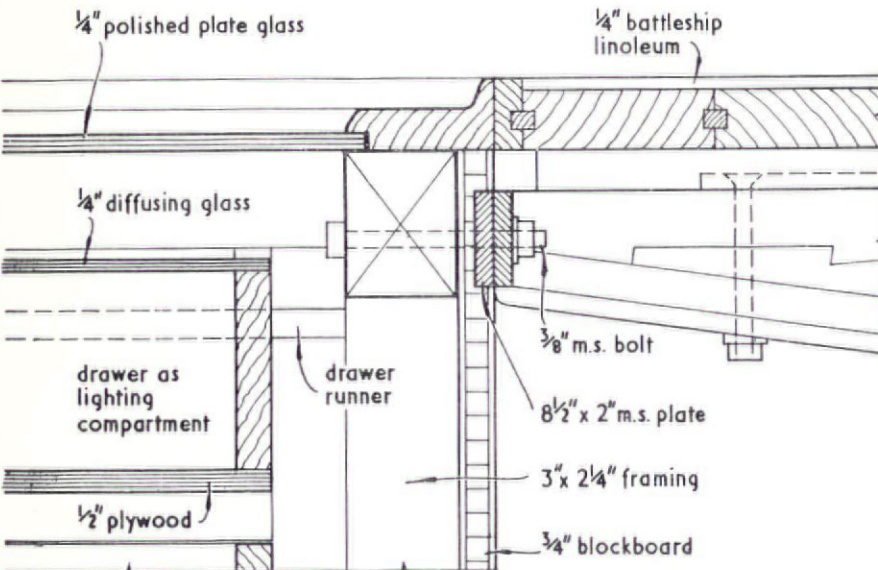


ELEVATION OF PLAN CHEST AND DRAWING TABLE.
scale 3/16" = 1'-0"

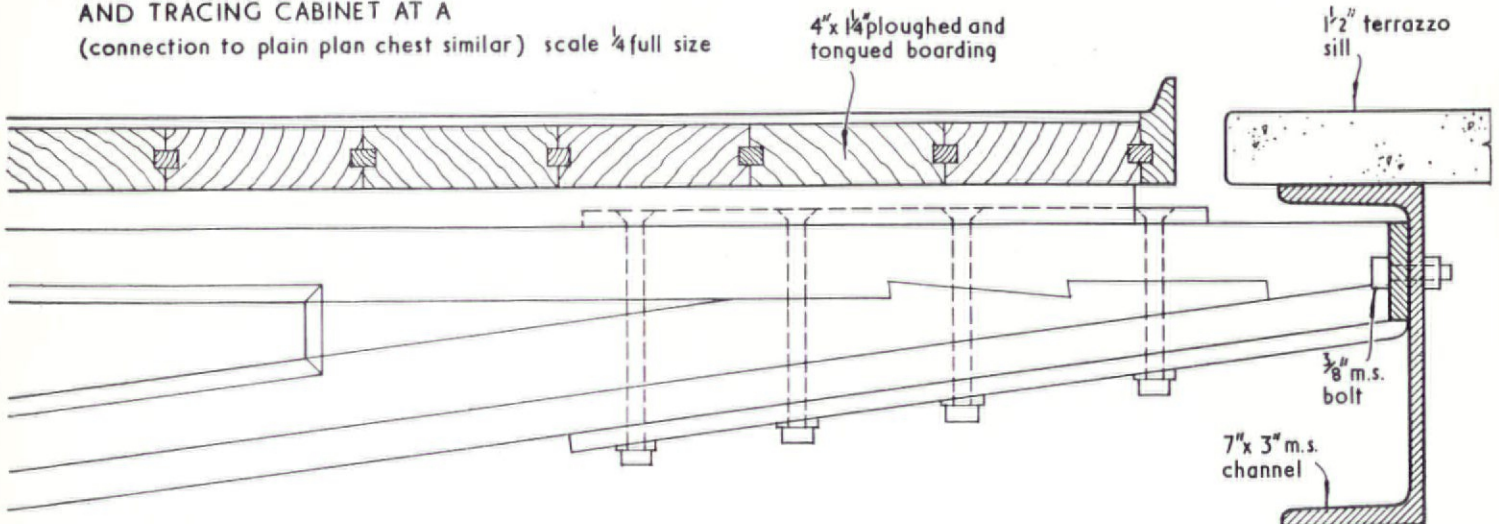
CROSS SECTION THRO' DRAWING TABLE AT B-B. scale 1/4 full size



PLAN THRO' SPACER AT C scale 1/4 full size



DETAIL OF CONNECTION TO COMBINED PLAN CHEST AND TRACING CABINET AT A
(connection to plain plan chest similar) scale 1/4 full size



DETAIL OF CONNECTION TO WALL AT D
scale 1/4 full size

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