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

ARCHITECTS' WORKING DETAILS

volume 2

THE ARCHITECTURAL PRESS: LONDON

First published in 1954
Second impression 1955
Third impression 1956
Fourth impression 1959
Fifth impression 1962
Sixth impression 1965

Printed in Great Britain by Harrison and Sons Ltd., London

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

CONTENTS

Walls and Partitions

58 Acoustic partition: Offices in London, W.1. J. M. AUSTIN-SMITH and PARTNER, architects.

60 Copper-faced wall: University of Durham. J. S. ALLEN, architect; OSCAR FABER and PARTNERS (consulting engineers)

62 Glazed panel wall: Technical College at Folkestone. S. H. LOWETH, architect; J. H. GARNHAM WRIGHT (architect-in-charge); W. A. SHIRBON (executive assistant)

64 Glazed panel wall: School at Oxhey. C. H. ASLIN, architect; R. A. DE YARBURGH-BATESON (architect-in-charge)

66 Glazed panel wall: Flats at Hatfield. LIONEL BRETT and KENNETH BOYD, architects

68 Wall and balconies: Maisonettes in London, S.W.1. POWELL and MOYA, architects

70 Expansion joint: Flats at Ilford, Essex. L. E. J. REYNOLDS, architect; H. B. N. NIXON and R. C. EDLESTON (assistant architects)

72 Chimney stack and water tank: School at Oldbury. YORKE, ROSENBERG and MARDALL in association with F. W. B. YORKE and H. M. BARKER, architects

Roofs and Ceilings

74 Roof: Canteen and Recreation Centre in London, E.3. ELIE MAYORCAS, architect

76 Roof and suspended ceiling: School at Wembley. C. G. STILLMAN, architect; D. R. DUNCAN (area architect); acoustic ceiling by JOHN DALE LTD.

78 Workshop rooflight: Technical College at Folkestone. S. H. LOWETH, architect; J. H. GARNHAM WRIGHT (architect-in-charge); W. A. SHIRBON (executive assistant)

80 Laylight ceiling: Shop in London, W.1. CHAMBERLIN, POWELL and BON, architects; ROBERT ASHDOWN (assistant-in-charge)

82 Roof: Petrol filling station at Dover. J. M. WILSON, H. C. MASON and PARTNERS, architects.

84 Canteen roof: School at St. Paul's Cray. ELIE MAYORCAS in collaboration with S. H. LOWETH, architects

86 Ceiling in Assembly Hall: School at Cheshunt. NORMAN and DAWBARN, architects

Balconies

88 Balconies: Flats at Hatfield. LIONEL BRETT and KENNETH BOYD, architects

90 Access balcony: Flats at Wallington. PITE, SON and FAIRWEATHER, architects

92 Assembly hall balcony: School at Oxhey. C. H. ASLIN, architect; R. A. DE YARBURGH-BATESON (architect-in-charge)

94 Balconies: Flats in London, S.W.10. EDWARD ARMSTRONG and FREDERICK MACMANUS, architects; D. J. TRICKER (assistant-in-charge)

Covered Ways and Canopies

96 Canopy over main entrance: Research Laboratories in London, W.12. PROFESSOR BASIL WARD (of RAMSEY, MURRAY and WHITE), architect; J. R. HUDSON (chief assistant)

98 Canopy over entrance door: Flats at Stevenage. YORKE, ROSENBERG and MARDALL in collaboration with C. HOLLIDAY, architects

100 Canopy over entrance doors: School at St. Paul's Cray. ELIE MAYORCAS, in collaboration with S. H. LOWETH, architects

102 Covered way: School at St. Paul's Cray. ELIE MAYORCAS, in collaboration with S. H. LOWETH, architects

104 Connecting bridge: University Buildings, Iowa. SAARINEN, SWANSON and SAARINEN in collaboration with BROOKE-BORG, architects

106 Connecting bridge: Polytechnic in London, S.E.1. NORMAN and DAWBARN, architects; JOHN MORETON and PETER CLARK (assistants-in-charge)

Heating

108 Fireplaces: House in California. FRANCIS JOSEPH MCCARTHY, architect

110 Fireplace: House at Welwyn Garden City. ARCHITECTS' CO-OPERATIVE PARTNERSHIP, architects

112 Fireplace: House at Welwyn Garden City. RICHARD J. NICHOL, architect

114 Fireplace: House at Bedford. IAN WARWICK, architect

116 Fireplace in public bar: Public House at Stevenage. C. HOLLIDAY, L. G. VINCENT and O. CAREY, architects

118 Showcase with heater: Travel Agency in London, W.1. DENNIS LENNON, architect

120 Suspended heating panels: Shop in London, W.1. CHAMBERLIN, POWELL and BON, architects; ROBERT ASHDOWN (assistant-in-charge)

Lighting

122 Lighting fitting: Offices in London, W.1. SIR HUGH CASSON in association with MISHA BLACK and ELLIS MILES of Design Research Unit, designers

124 Lighting fittings: Royal Festival Hall. ROBERT H. MATTHEW and J. L. MARTIN, architects; EDWIN WILLIAMS (architect-in-charge); PETER MORO (associated architect)

126 Lighting fitting: School at Harrow. JOHN and ELIZABETH EASTWICK-FIELD in collaboration with C. G. STILLMAN, architects

128 Exterior lighting: Flats in Lewisham. FRY, DREW and PARTNERS, architects

130 Two lamp standards: South Bank, London, and Hatfield New Town. *South Bank:* J. L. MARTIN, architect; J. RAWLINSON (engineer). *Hatfield:* LIONEL BRETT and KENNETH BOYD, architects; L. J. ELGIN (consulting engineer)

Furniture and Fittings

132 Reception counter: Irish Embassy in London, S.W.1. RAYMOND MCGRATH, architect; FRANK DUBARRY (assistant architect)

134 Library shelves: Laboratories at Gravesend. WESTWOOD, SONS and HARRISON, architects

136 Bookshelves and cupboard: Offices in London, W.1. ROBIN DAY, designer; MICHAEL ROSENAUER (architect); SIR HUGH CASSON in association with MISHA BLACK (interior designers)

138 Typists' desks: Club at Ruislip. GORDON SYMONDSON, architect

140 Executive's desk: Offices in London, W.1. ROBIN DAY, designer; MICHAEL ROSENAUER (architect); SIR HUGH CASSON in association with MISHA BLACK (interior designers)

142 Practical lecture bench: University of Durham. J. S. ALLEN, architect; OSCAR FABER and PARTNERS (consulting engineers)

144 Geography room fitting: Technical College at Hatfield. EASTON and ROBERTSON, architects

146 Showcase: Society Headquarters, London, N.W.1. JOHN and ELIZABETH EASTWICK-FIELD in collaboration with HUGH PITE, architects

148 Booking office screen: Paddington Station, London. ARCHITECT'S OFFICE, British Railways (Western Region), under the direction of the civil engineer, architects; W. R. HEADLEY, T. P. WURR, MARGARET AITKEN (assistants)

150 Screens and flower boxes: Restaurant in London, W.1. JACQUES GROAG, architect

152 Office chairs: Bank in London, E.C.3. WESTWOOD, SONS and HARRISON, architects; JAMES A. CRABTREE (assistant architect)

154 Display panels: University of Liverpool. GORDON STEPHENSON, architect; NORMAN KINGHAM (assistant architect)

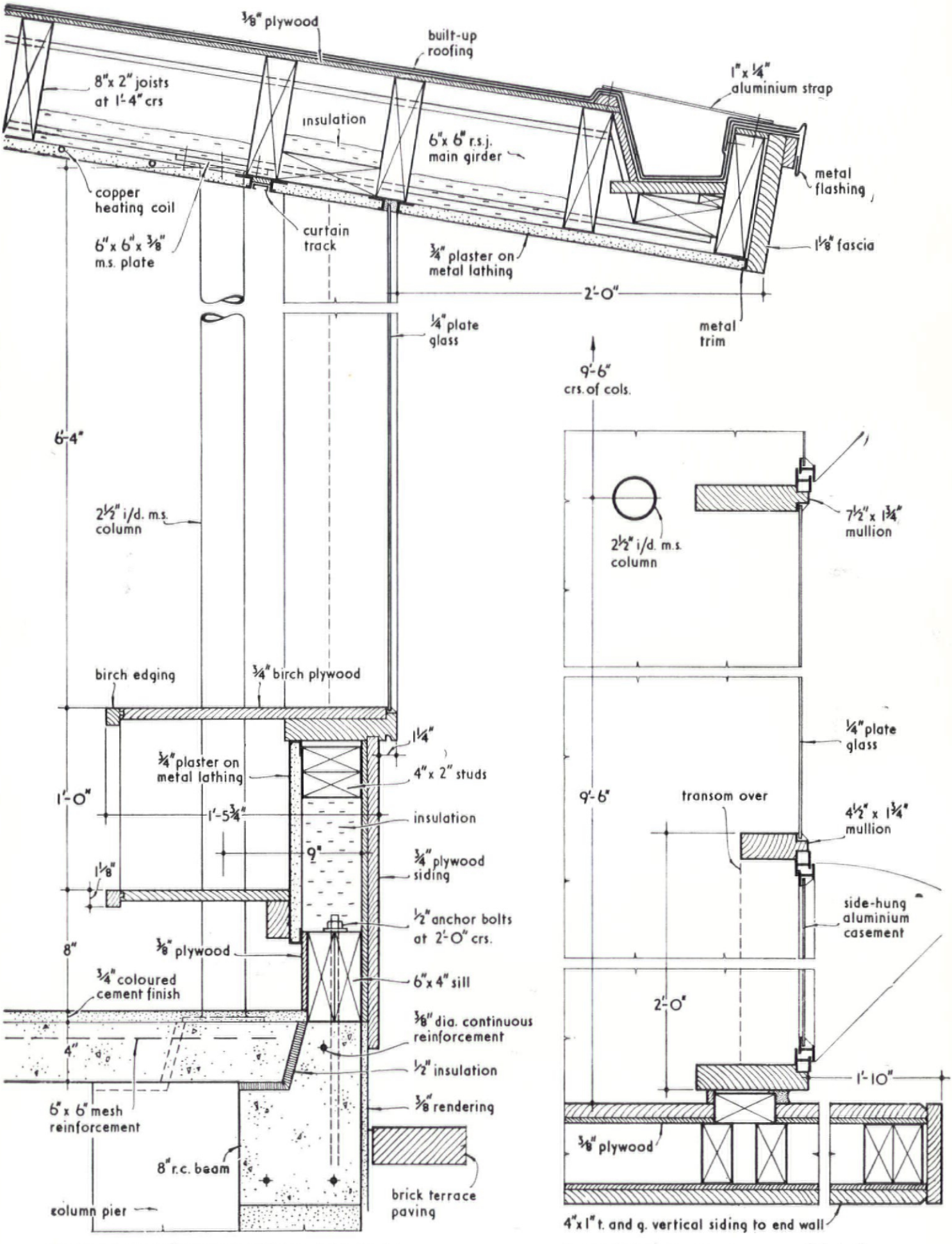
156 Drawing tables: University of Liverpool. R. D. RUSSELL in collaboration with JOHN BROADBENT, designers; GORDON STEPHENSON and NORMAN KINGHAM (architect and assistant architect to building)

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.

Photograph : Richard Averill Smith

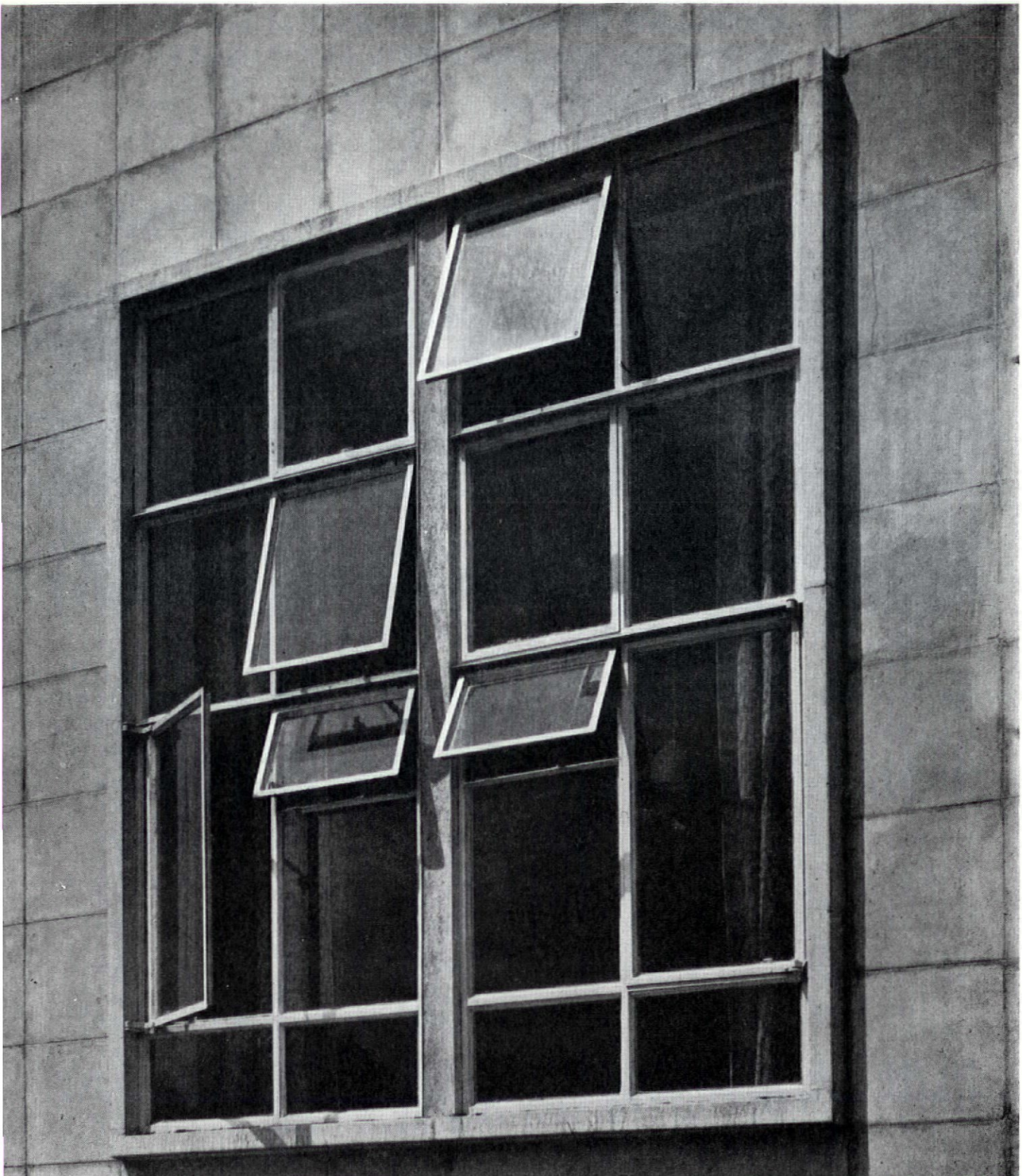


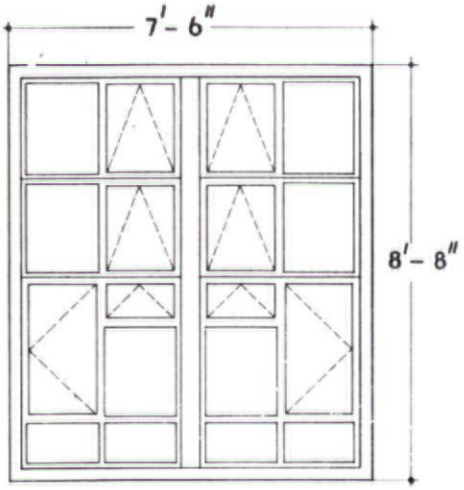
SECTION THRO' WINDOW WALL AND ROOF

PLAN THRO' WINDOW. scale: 1½"=1'-0"

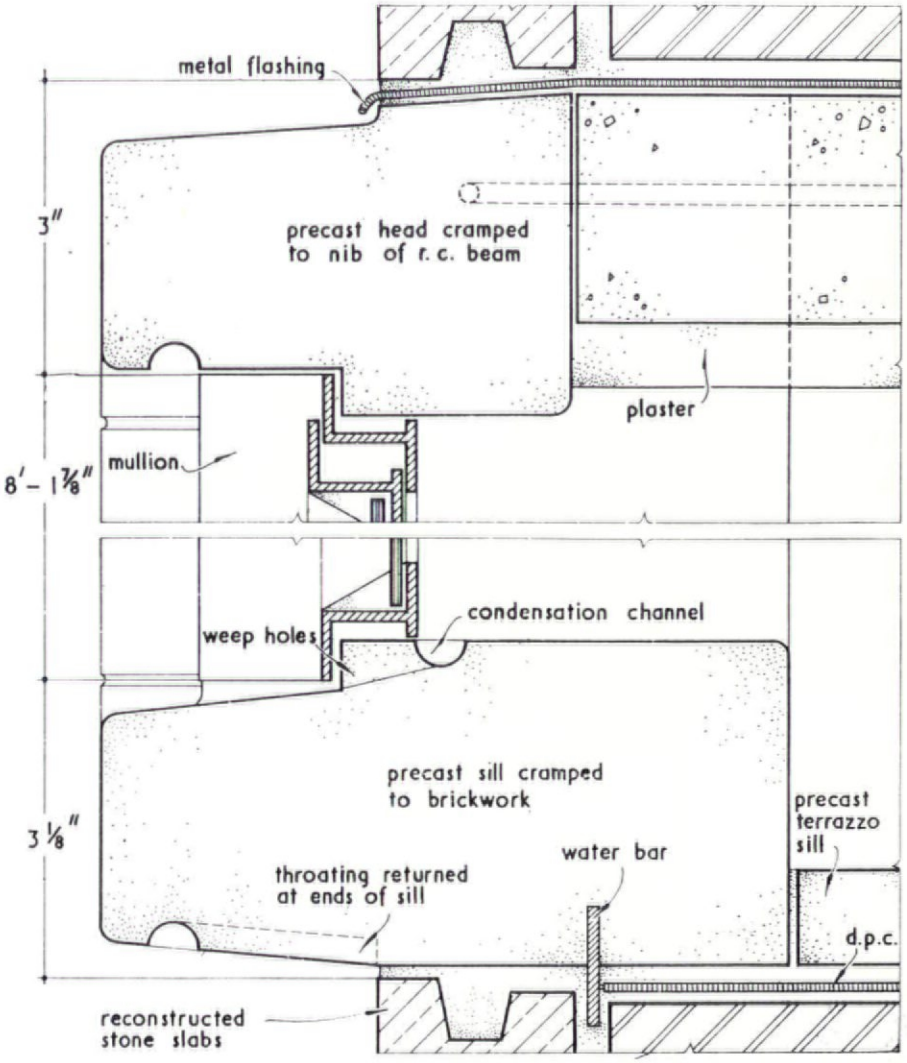
WINDOW: HOSPITAL IN LONDON, N.W.2
DESIGNED BY H. H. CLARK

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

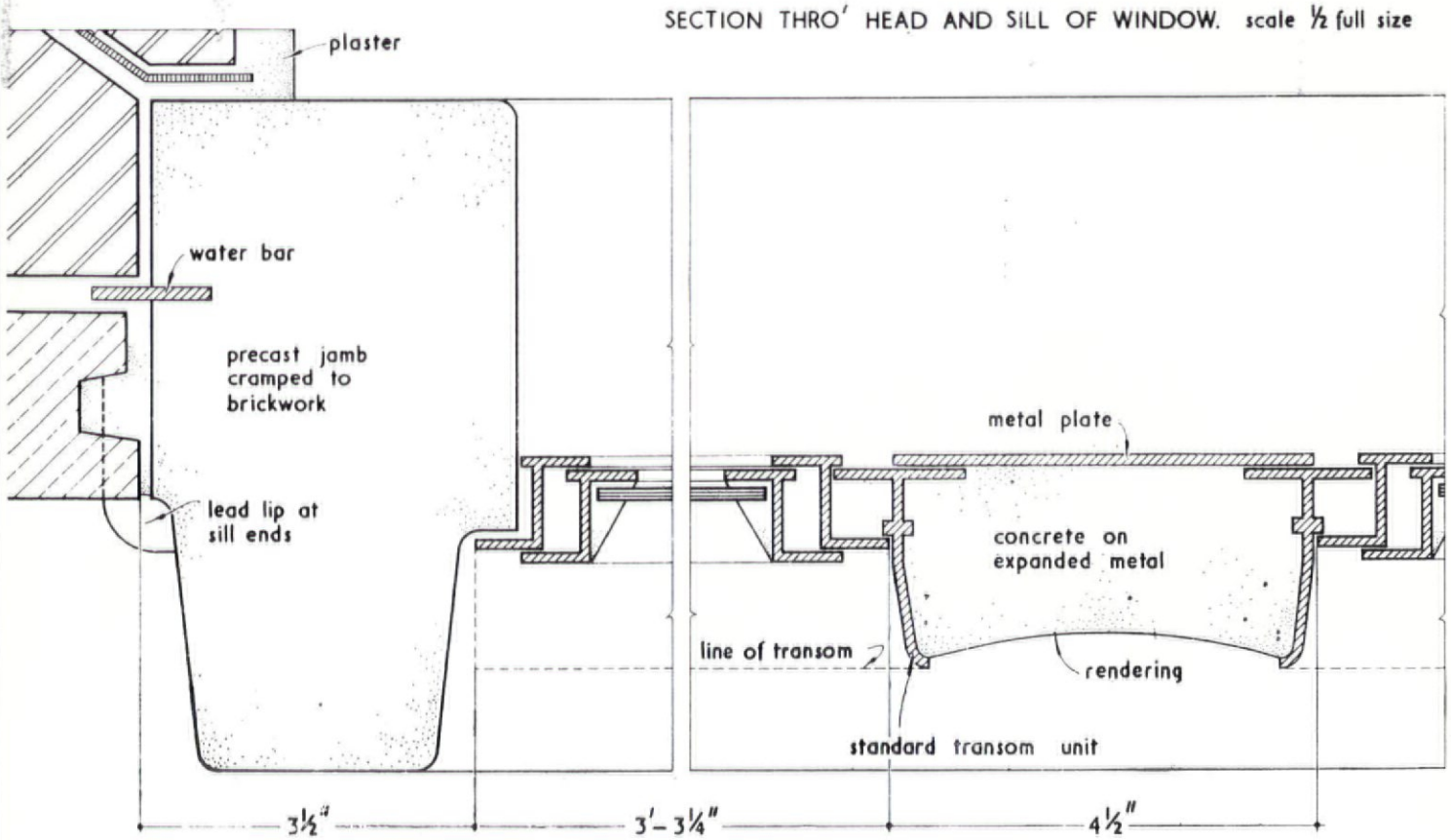




ELEVATION OF WINDOW.
scale ¼" = 1'-0"



SECTION THRO' HEAD AND SILL OF WINDOW. scale ½ full size

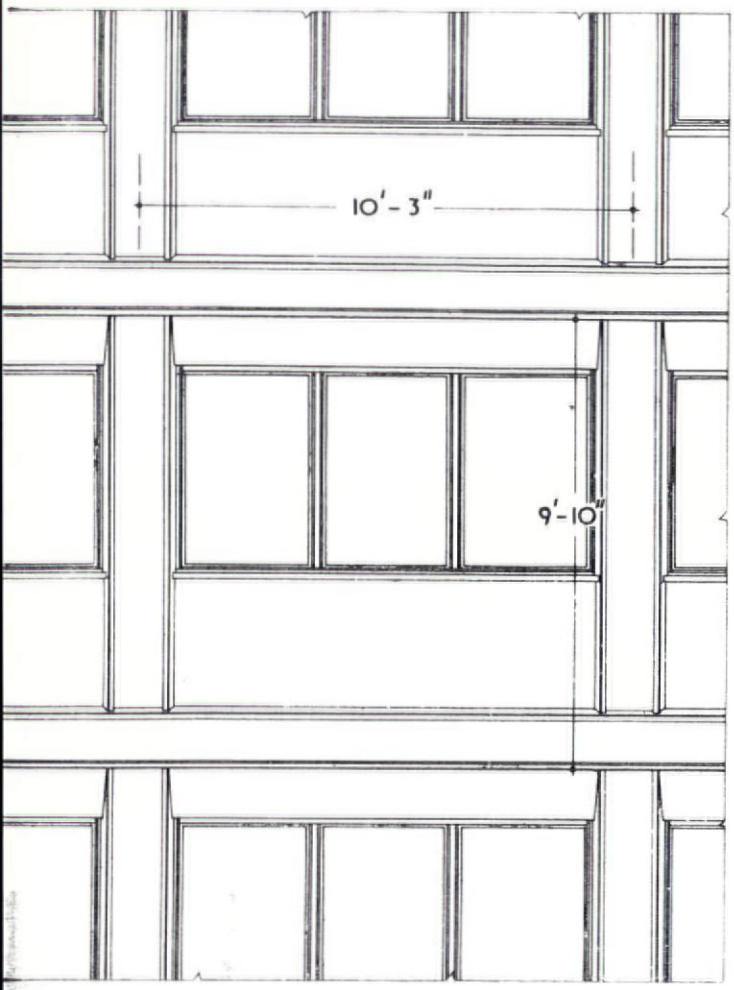


PLAN OF JAMB AND MULLION. scale ½ full size

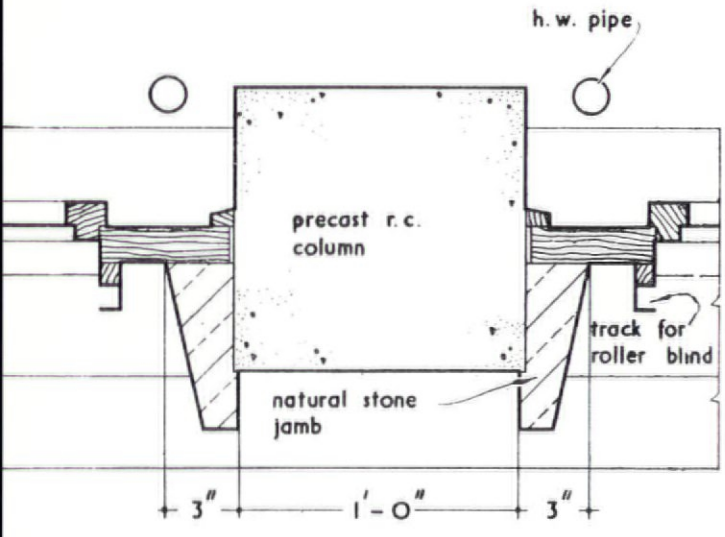
WINDOWS: FLATS IN GENEVA

DESIGNED BY MARC J. SAUGEY

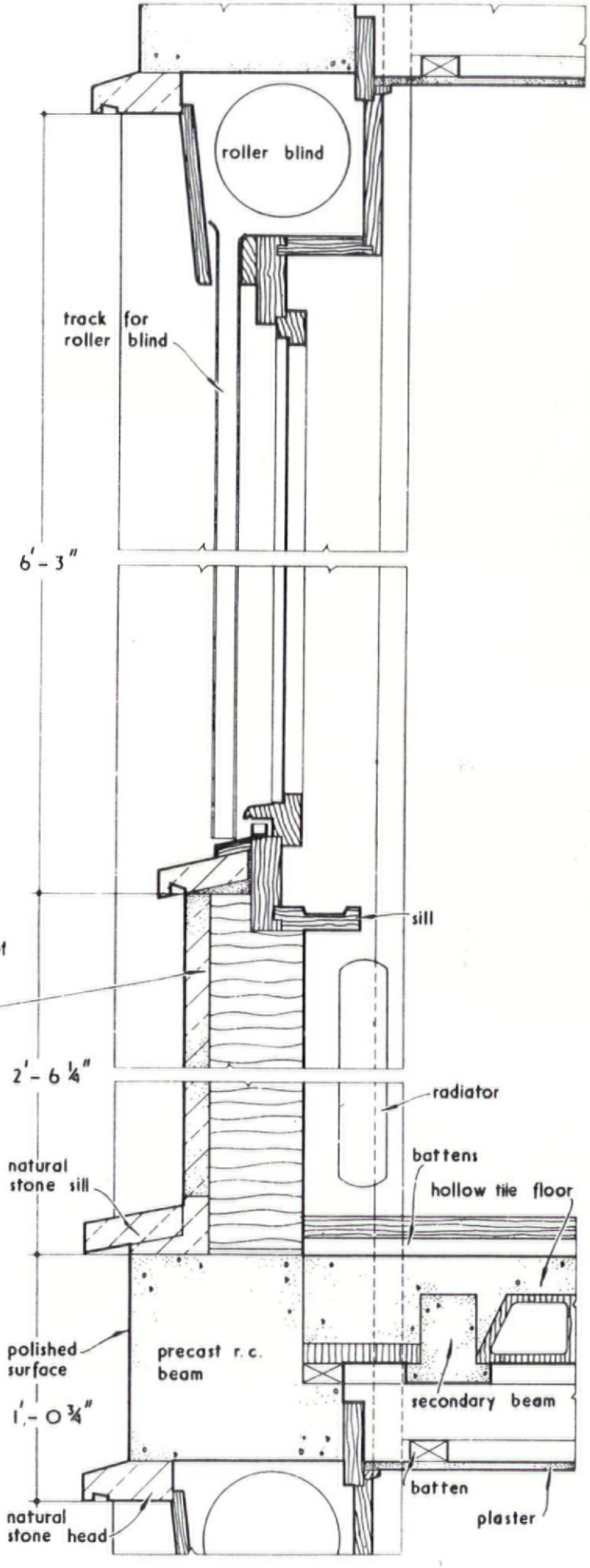
The infill panels under the windows are prefabricated from hollow terra cotta blocks faced with polished artificial stone.



PART ELEVATION. scale 1/4" = 1'-0"



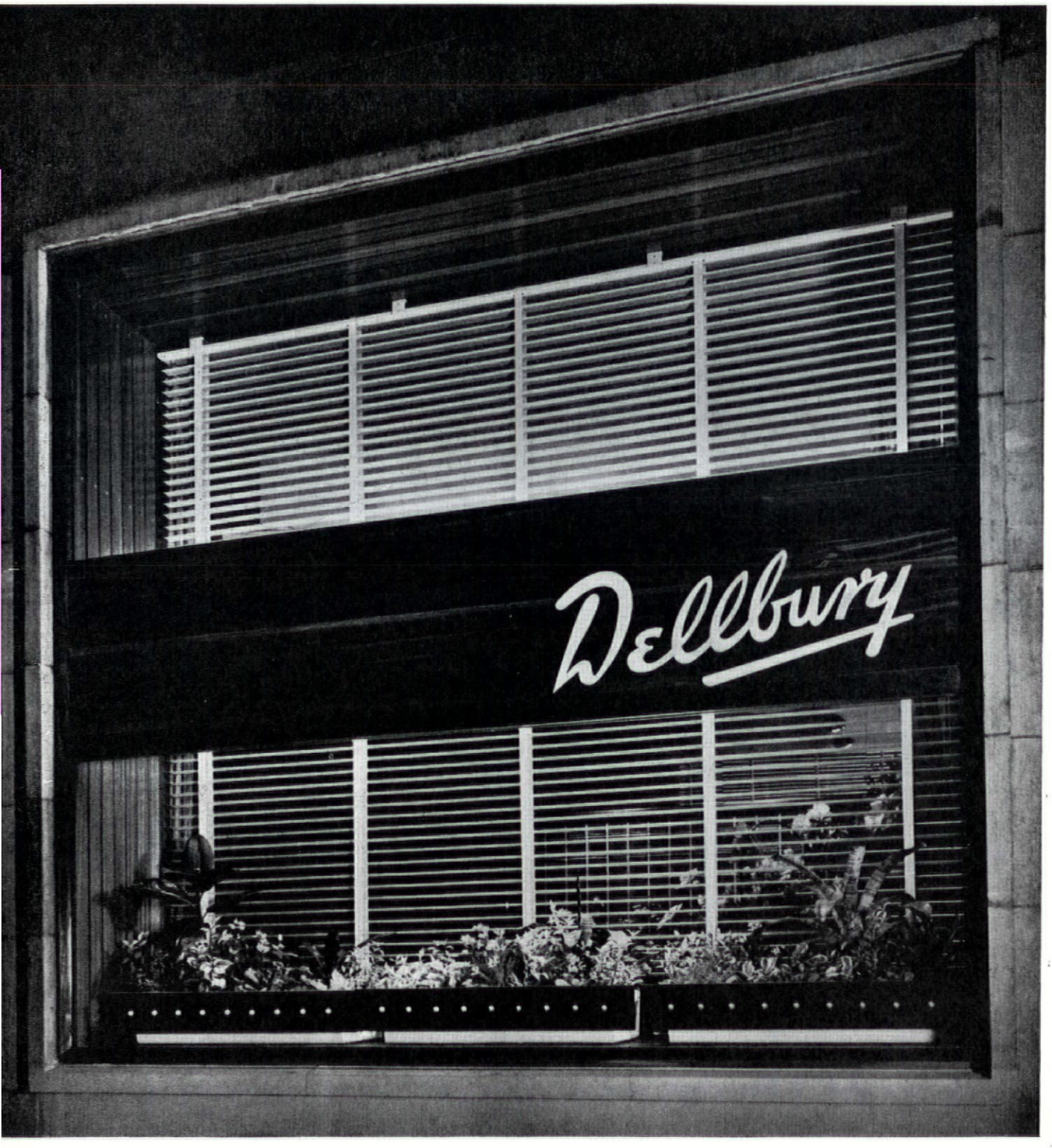
PART PLAN OF WINDOW. scale 1½" = 1'-0"

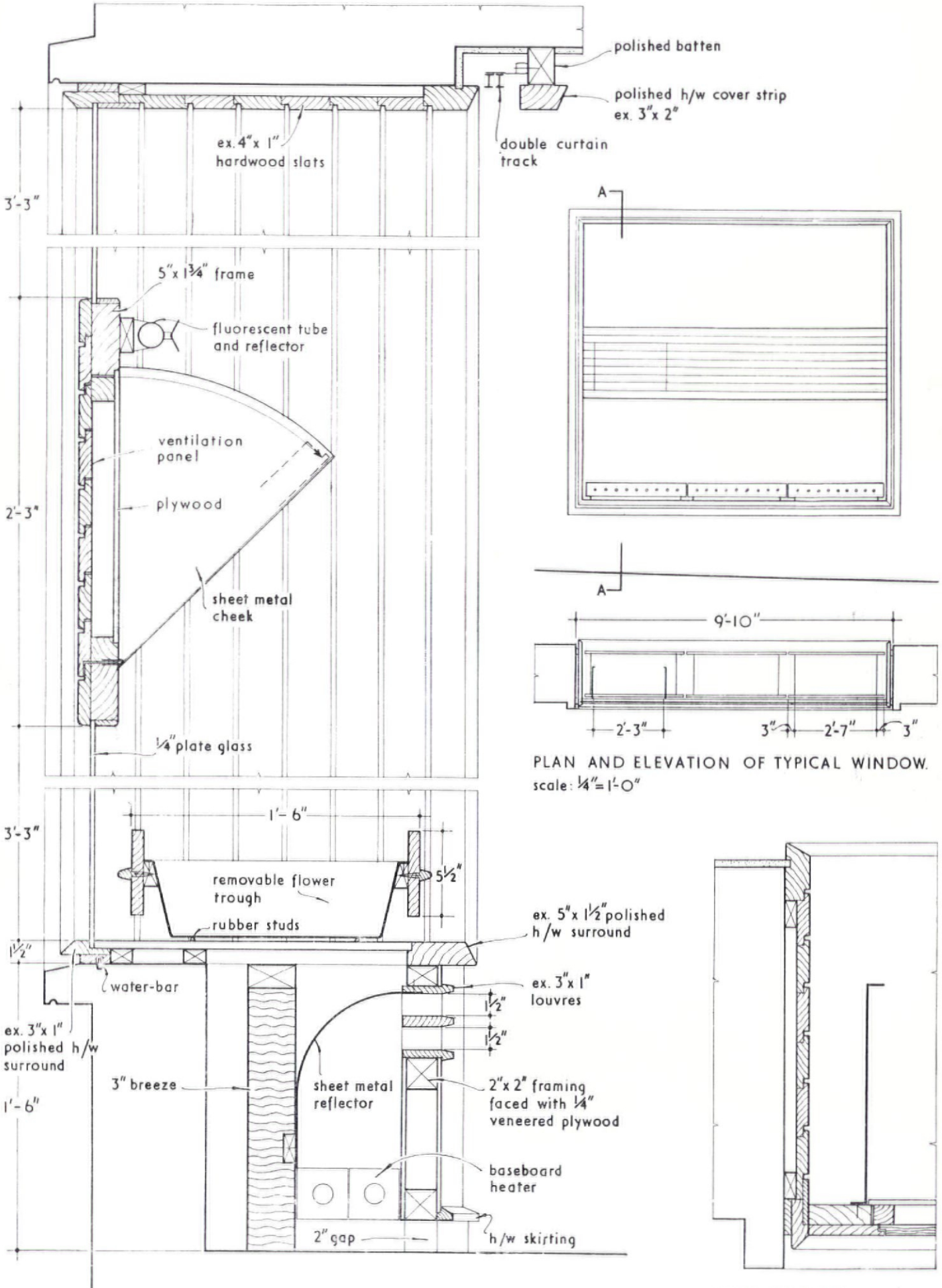


VERTICAL SECTION THRO' WINDOW. scale 1½" = 1'-0"

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.





SECTION THRO' SHOPFRONT AT A-A. scale 1½"= 1'-0"

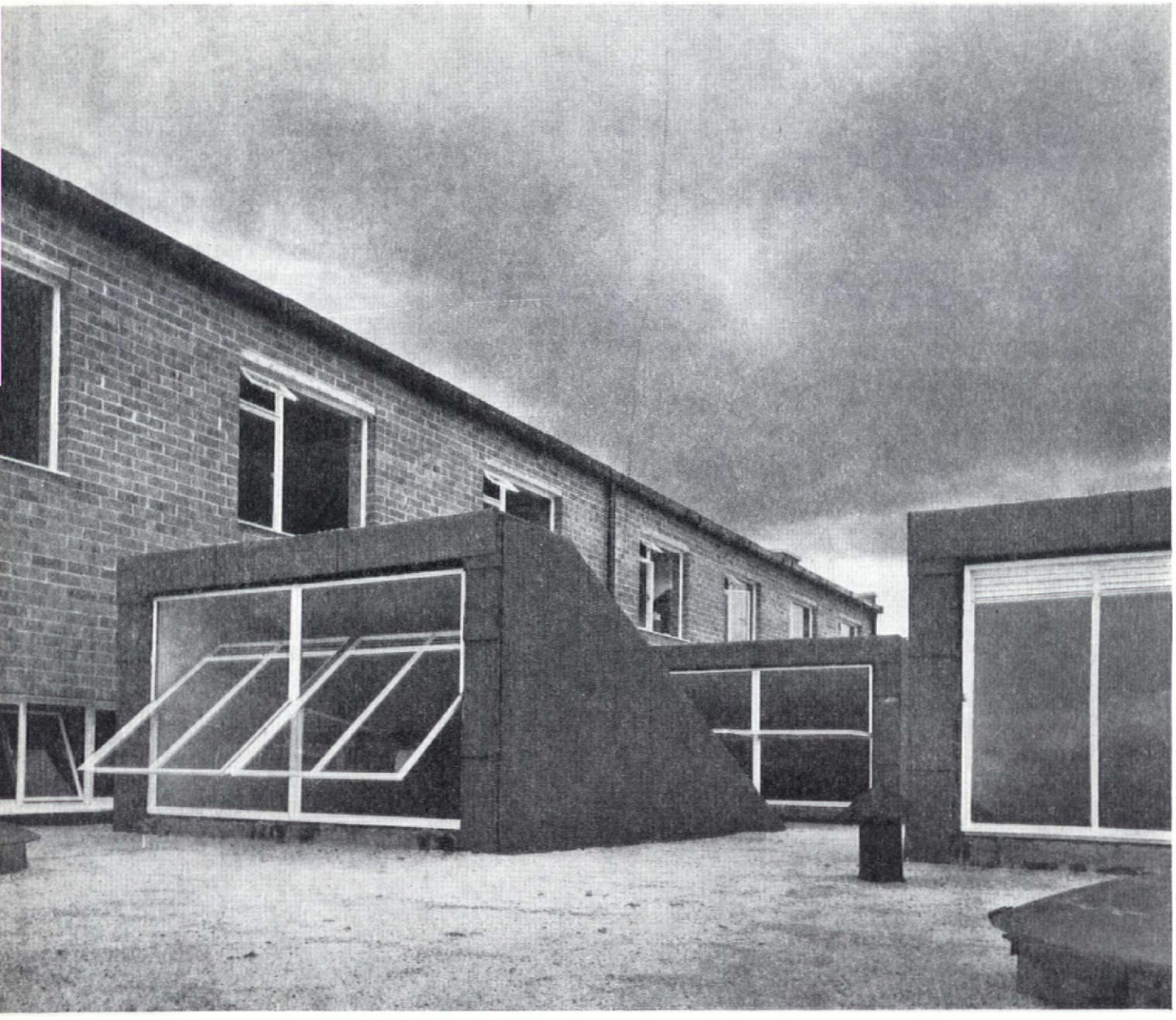
PLAN AND ELEVATION OF TYPICAL WINDOW.
scale: ¼"= 1'-0"

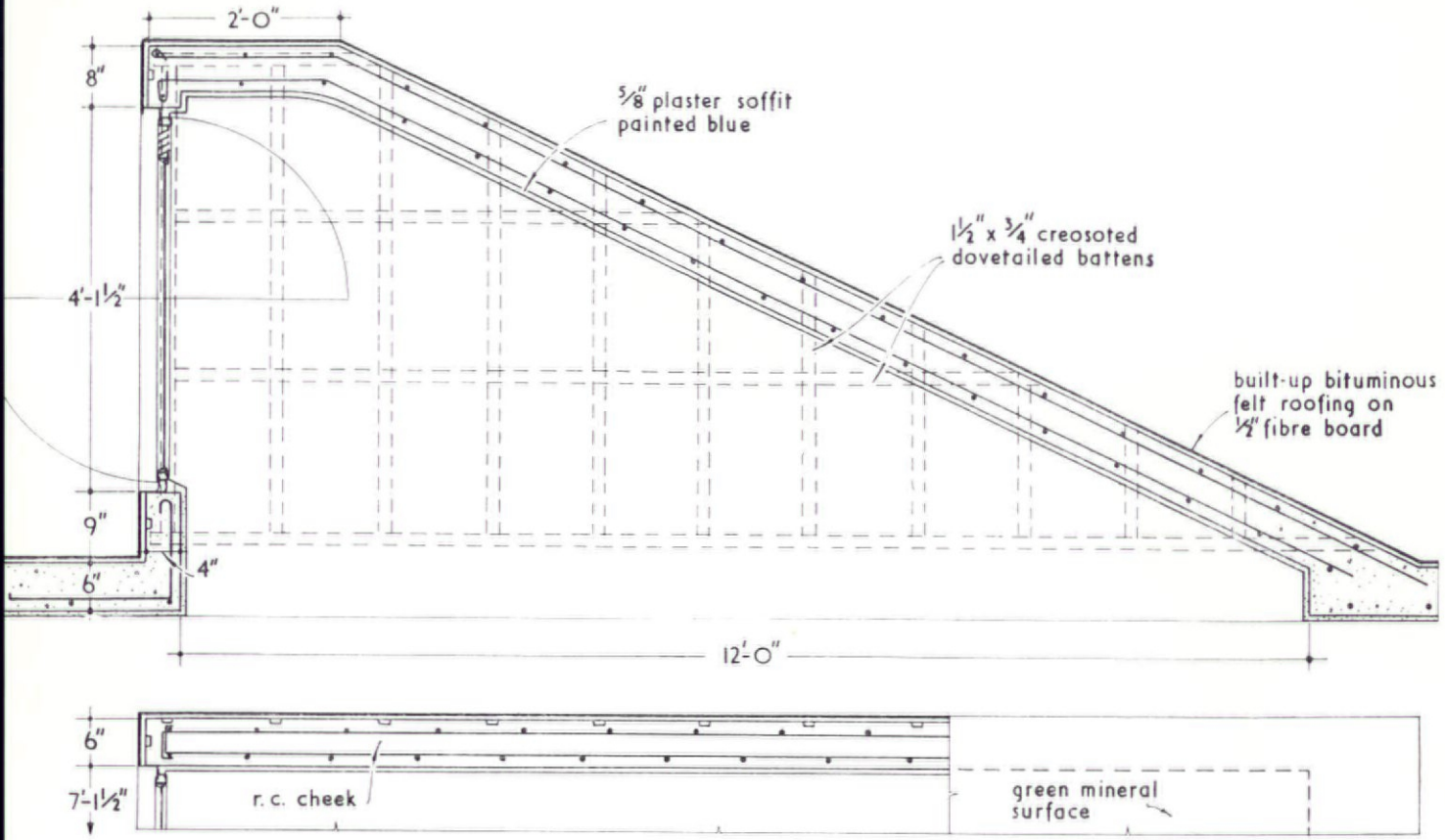
PLAN OF JAMB.
scale 1½"= 1'-0"

ROOFLIGHT: WHOLESALE GROCERY DEPOT AT DORCHESTER

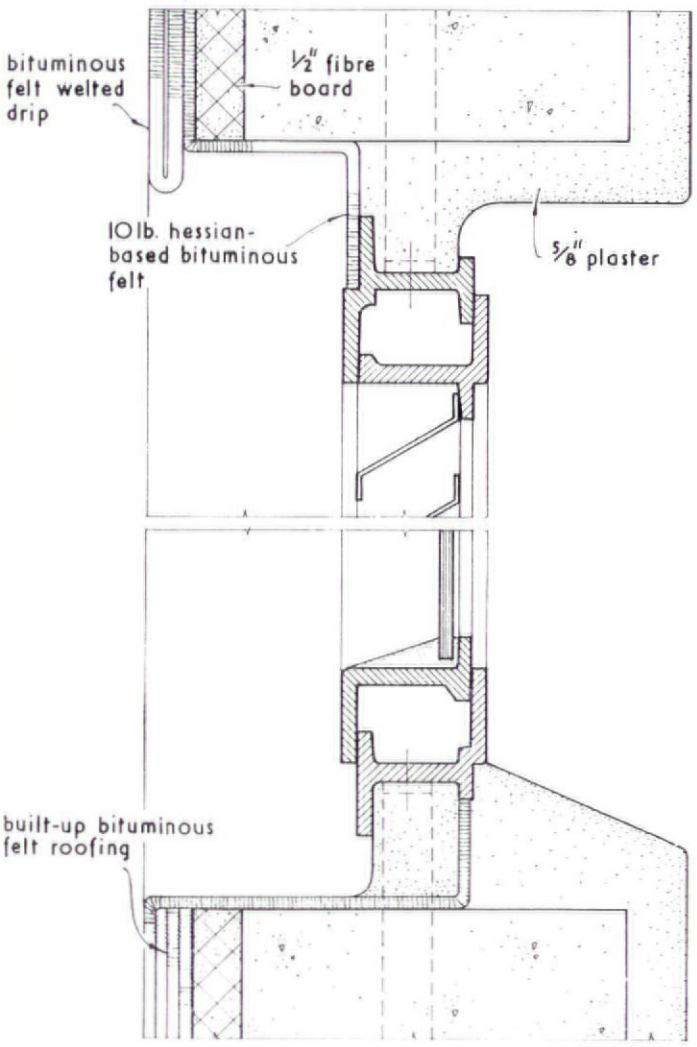
DESIGNED BY CECIL H. ELSOM AND R. NICHOLLS (architect and chief assistant);
S. H. AND D. E. WHITE (consulting engineers)

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

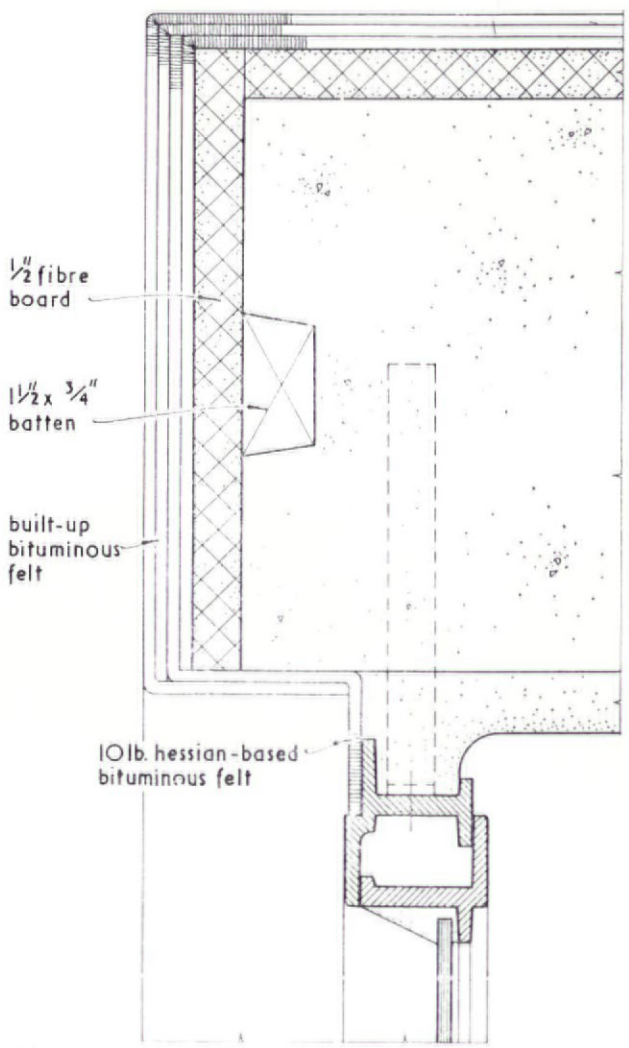




LONGITUDINAL SECTION AND PART PLAN THRO' CHEEK. scale ½" = 1'-0"



DETAIL OF HEAD AND CURB. scale ½ full size

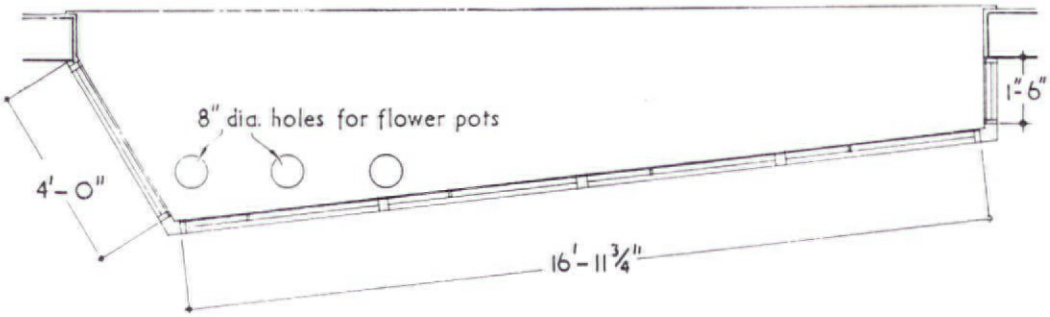


DETAIL OF CHEEK. scale ½ full size

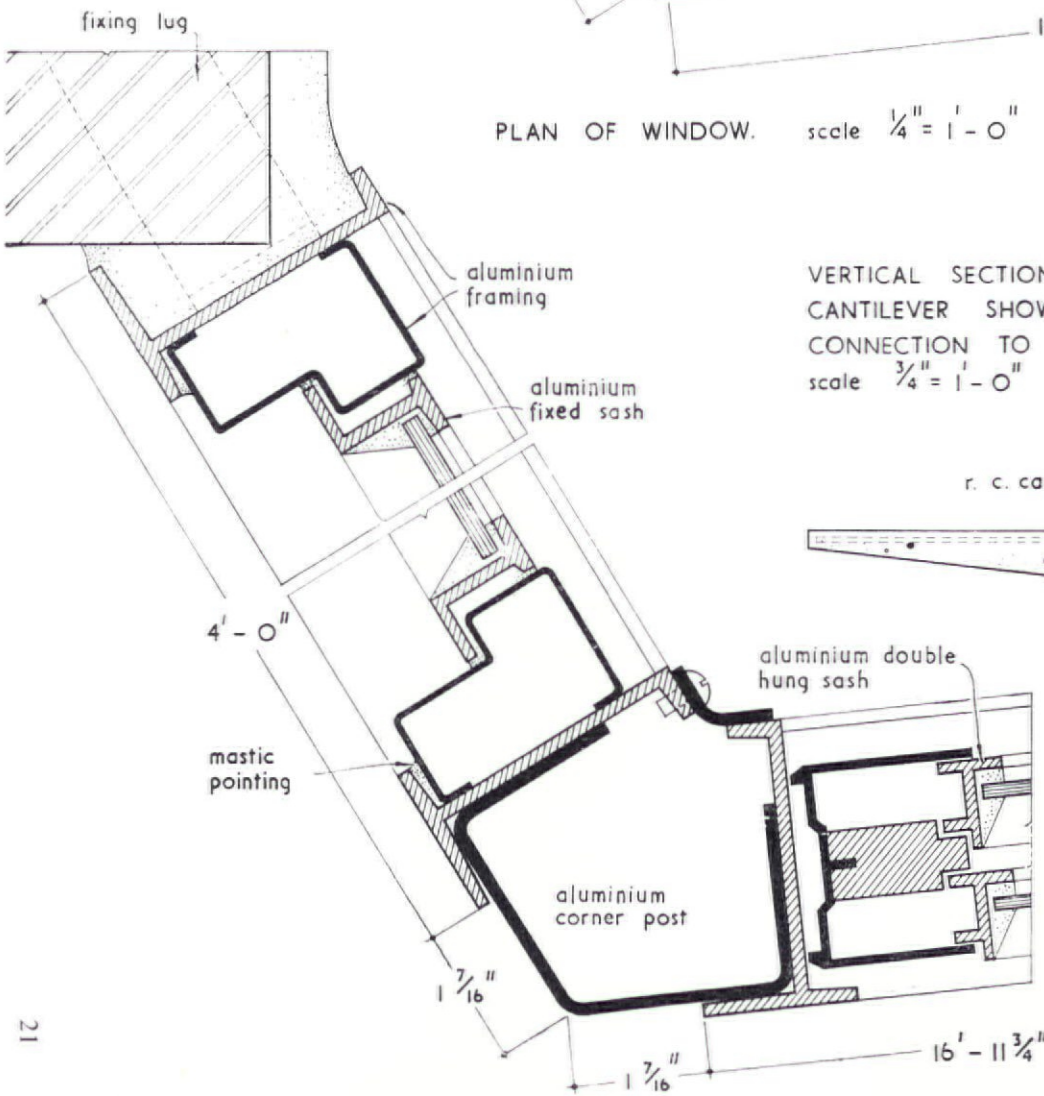
BAY WINDOW: SCHOOL AT CHISWICK

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.

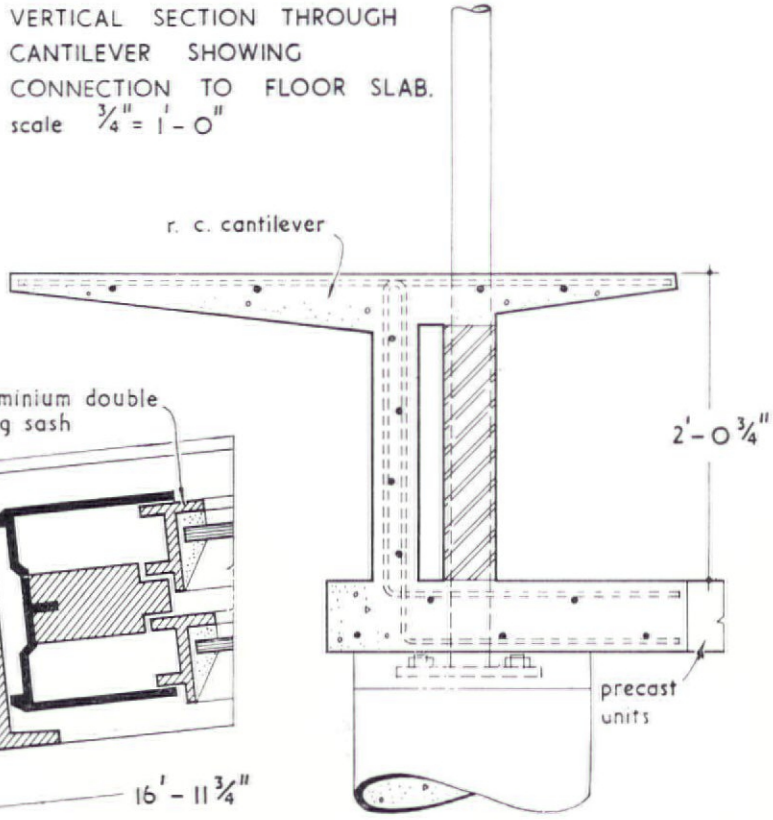


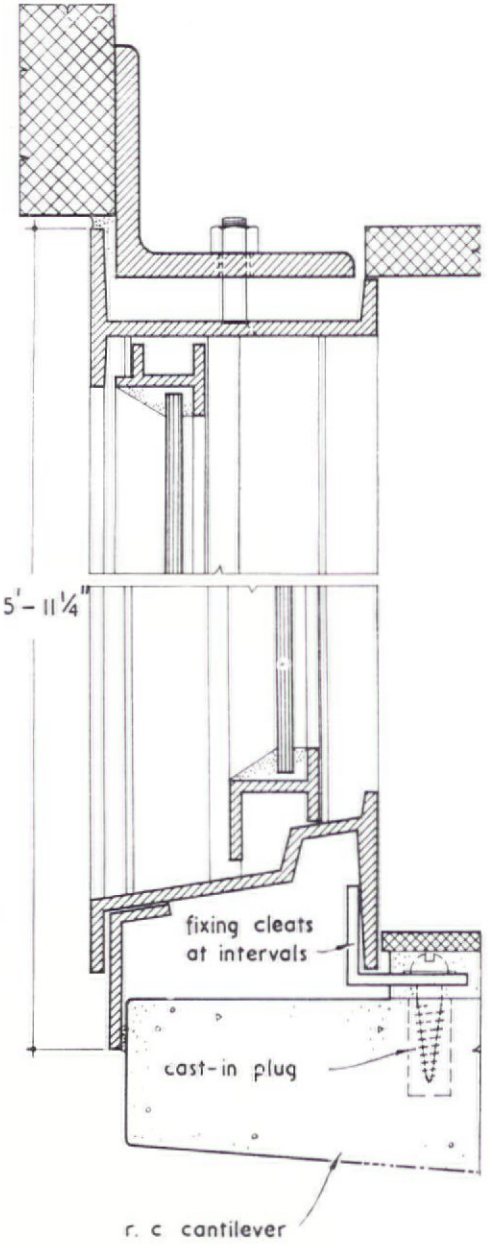
PLAN OF WINDOW. scale ¼" = 1'-0"



PART PLAN OF WINDOW. scale ½ full size

VERTICAL SECTION THROUGH CANTILEVER SHOWING CONNECTION TO FLOOR SLAB.
scale ¾" = 1'-0"



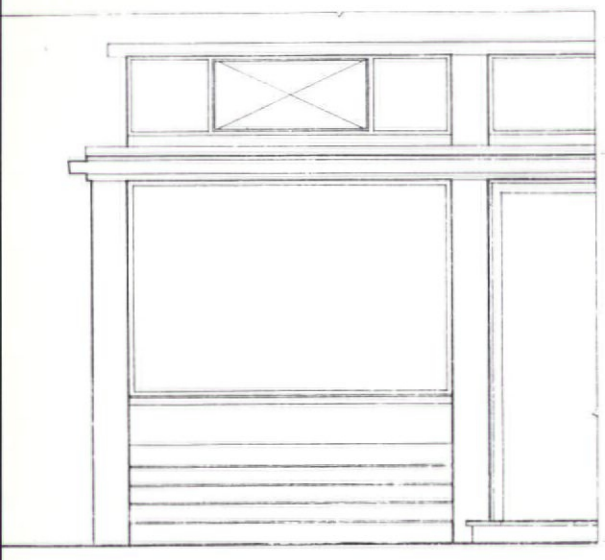


VERTICAL SECTION THRO' WINDOW.

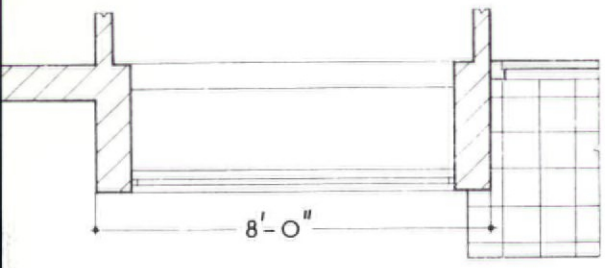
WINDOW IN DINING RECESS: HOUSE AT COVENTRY

DESIGNED BY ROLF HELLBERG

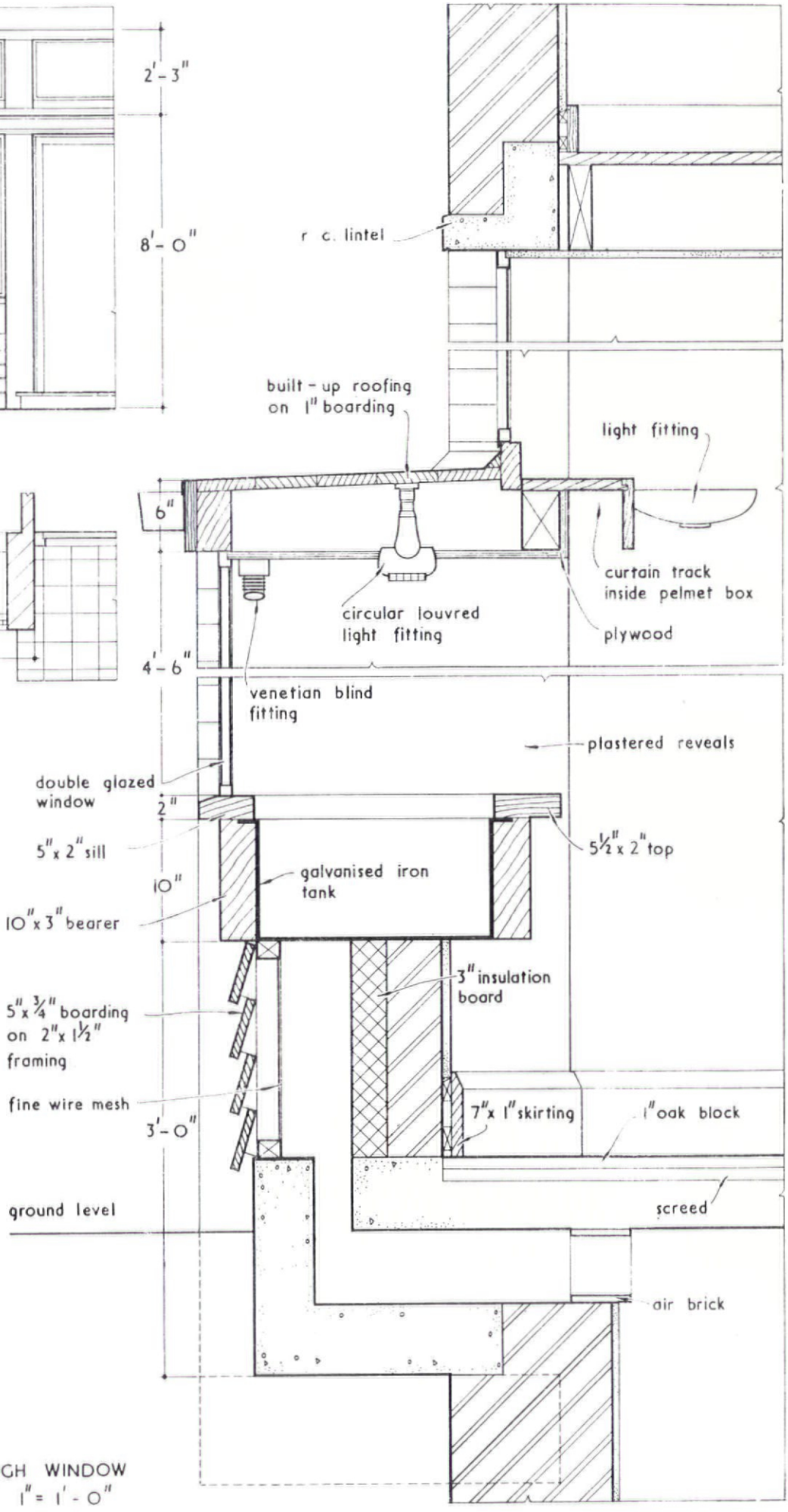
The window is double-glazed. A ventilating duct to the basement is contained in the wall beneath the flower box.



ELEVATION OF WINDOW.



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

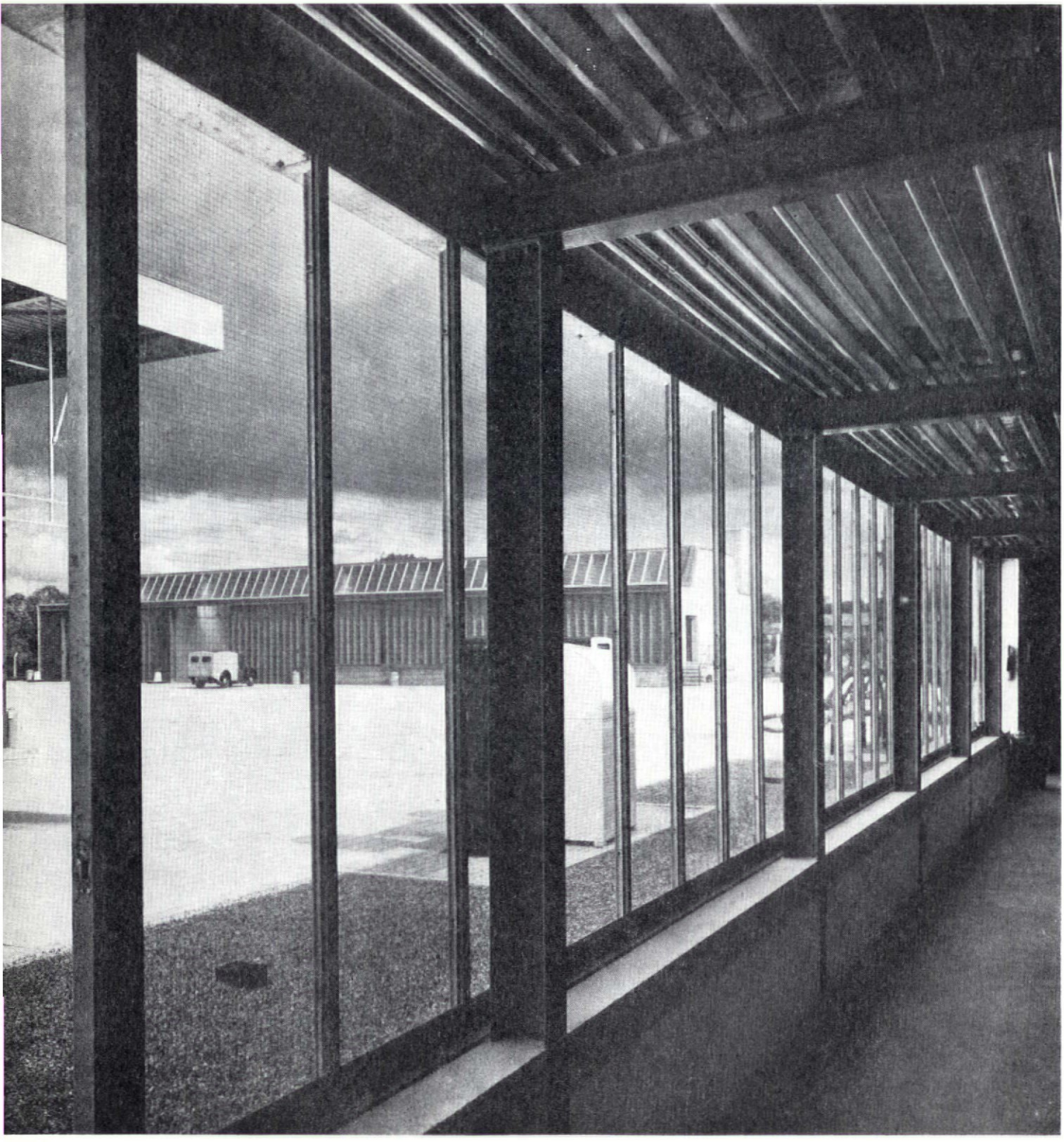


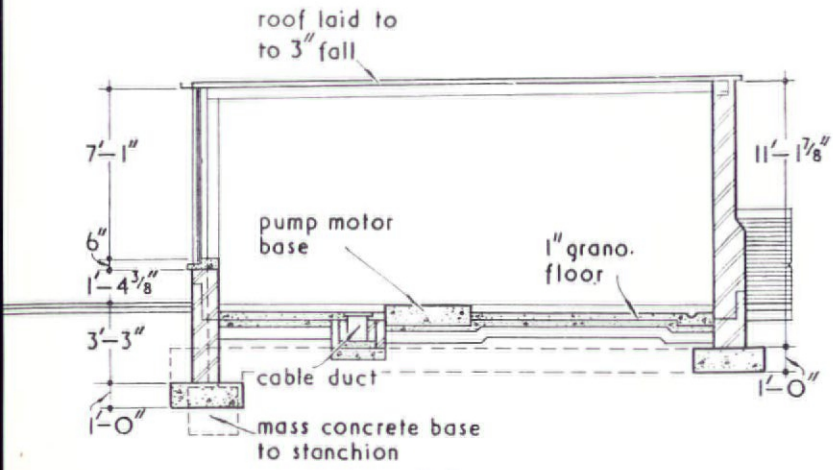
VERTICAL SECTION THROUGH WINDOW AND FLOWER BOX. scale $1" = 1'-0"$

WINDOW: SERVICE STATION AT PICKERING, YORKSHIRE

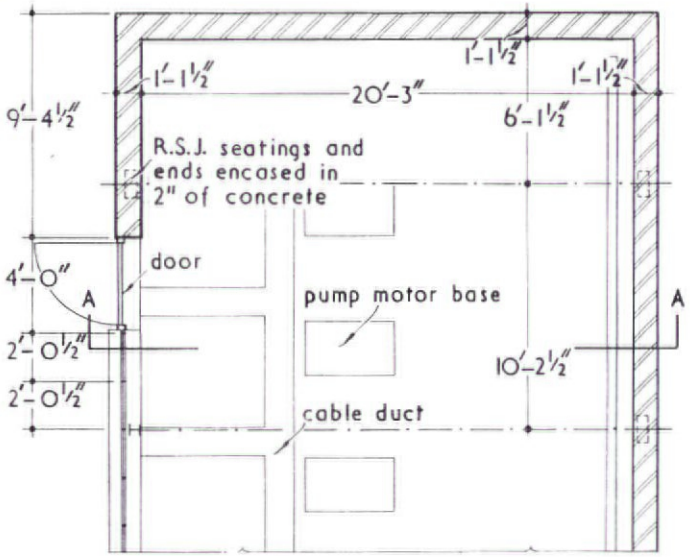
DESIGNED BY BOISSEVAIN AND OSMOND

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.

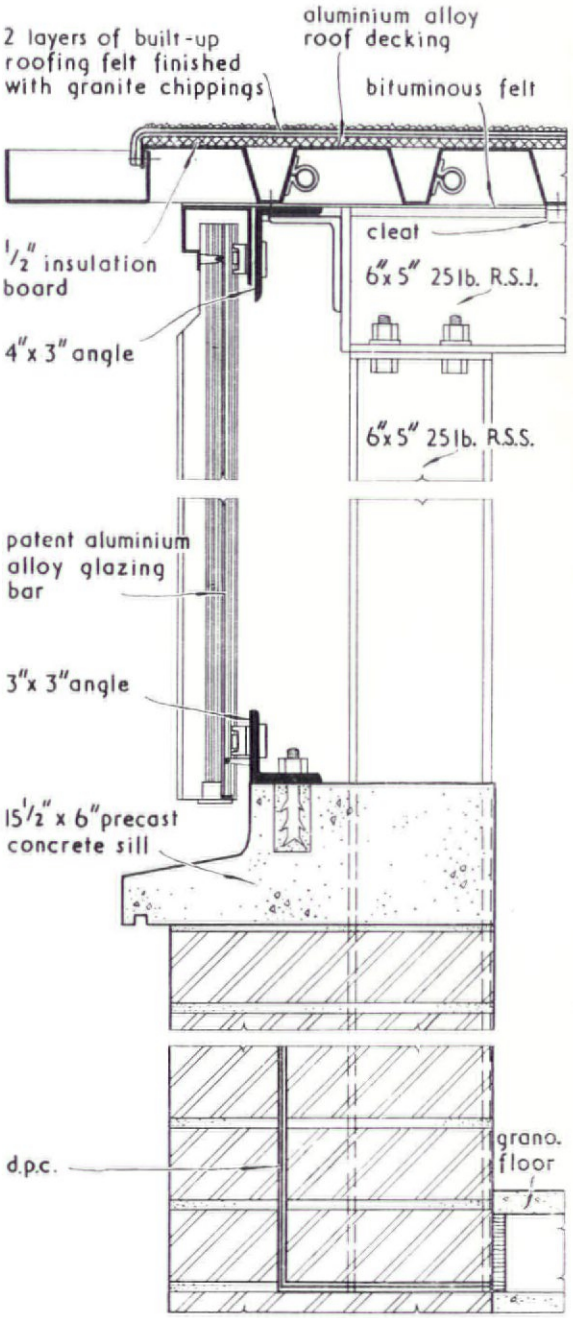




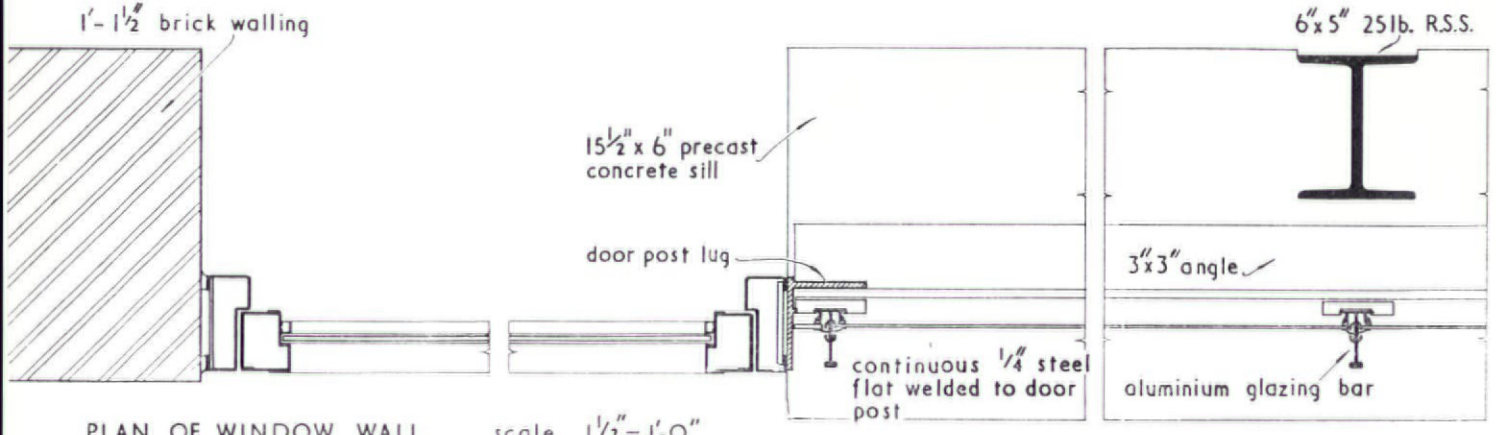
SECTION A-A. scale 1/8" = 1'-0"



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



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

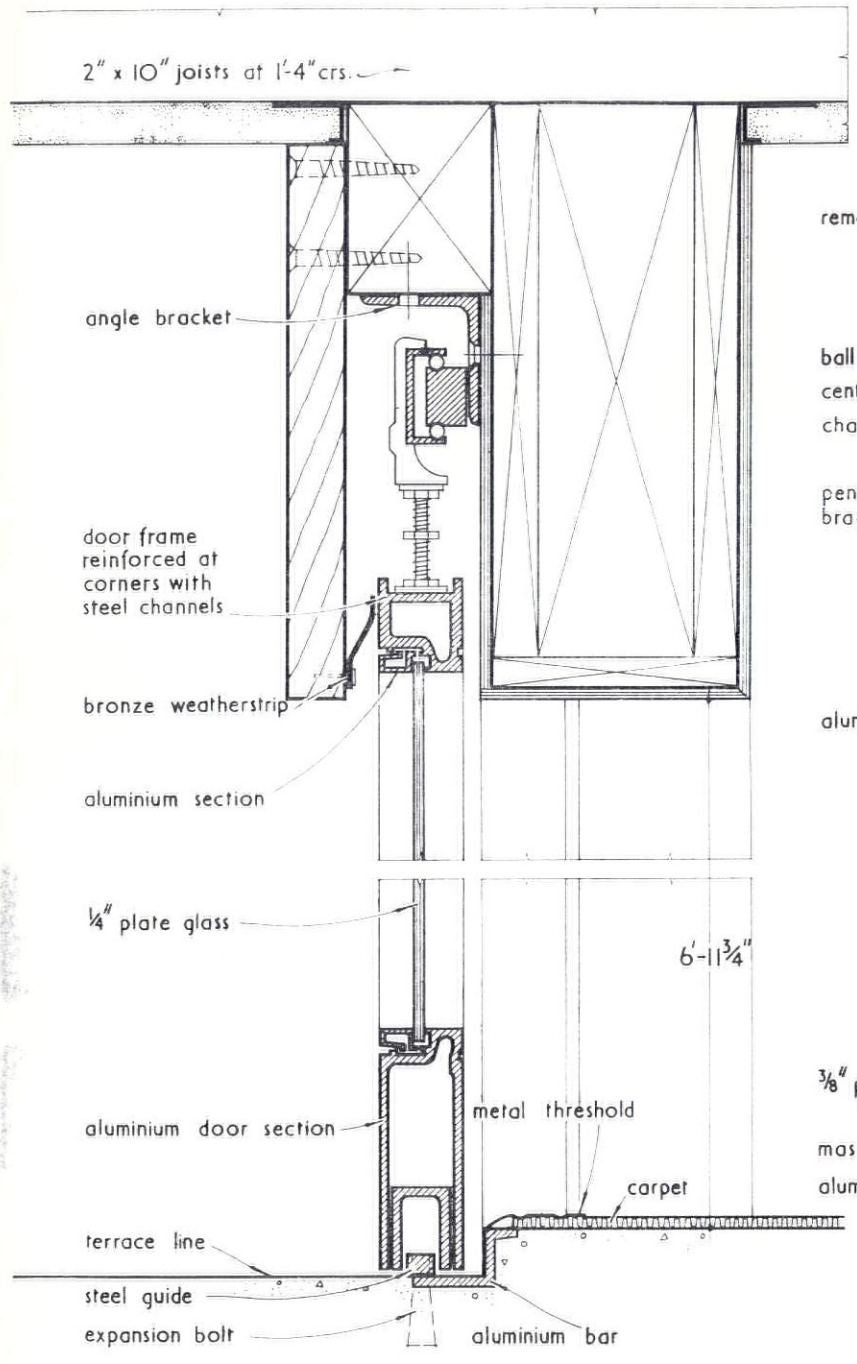


PLAN OF WINDOW WALL. scale 1 1/2" = 1'-0"

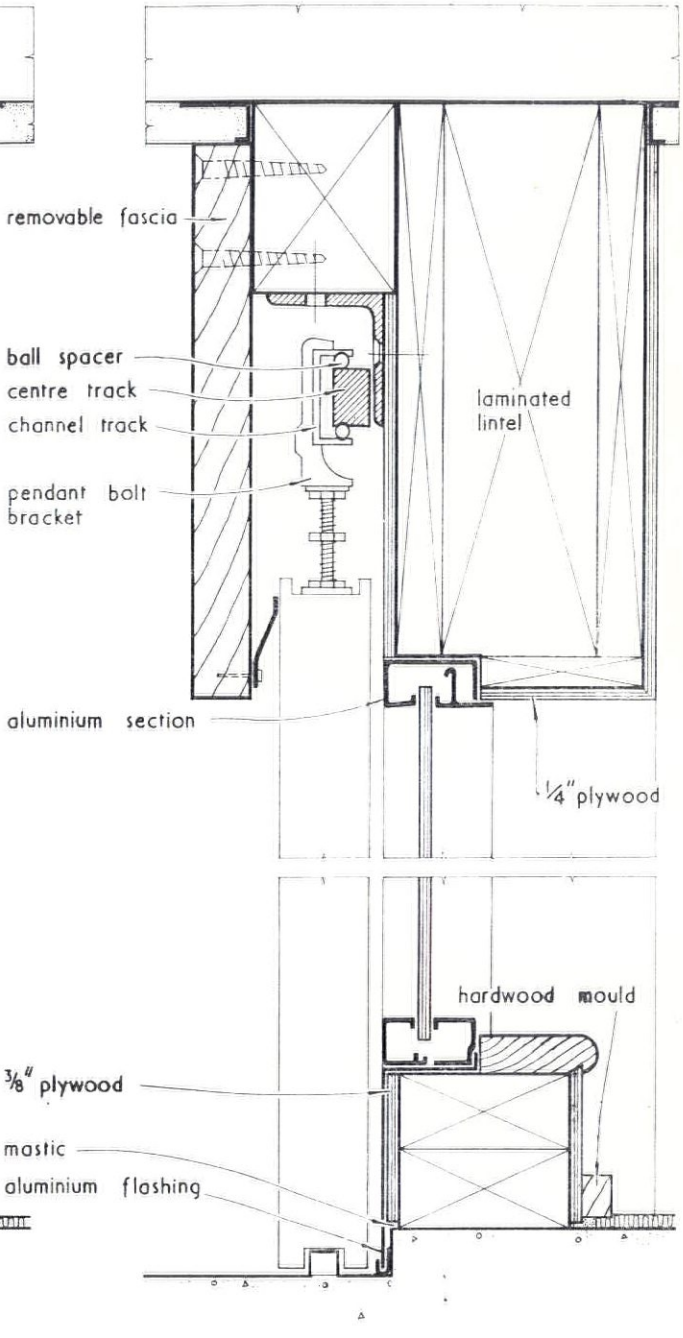
GLAZED SLIDING DOOR: HOUSE AT SANTA MONICA, CALIFORNIA

DESIGNED BY RICHARD J. NEUTRA

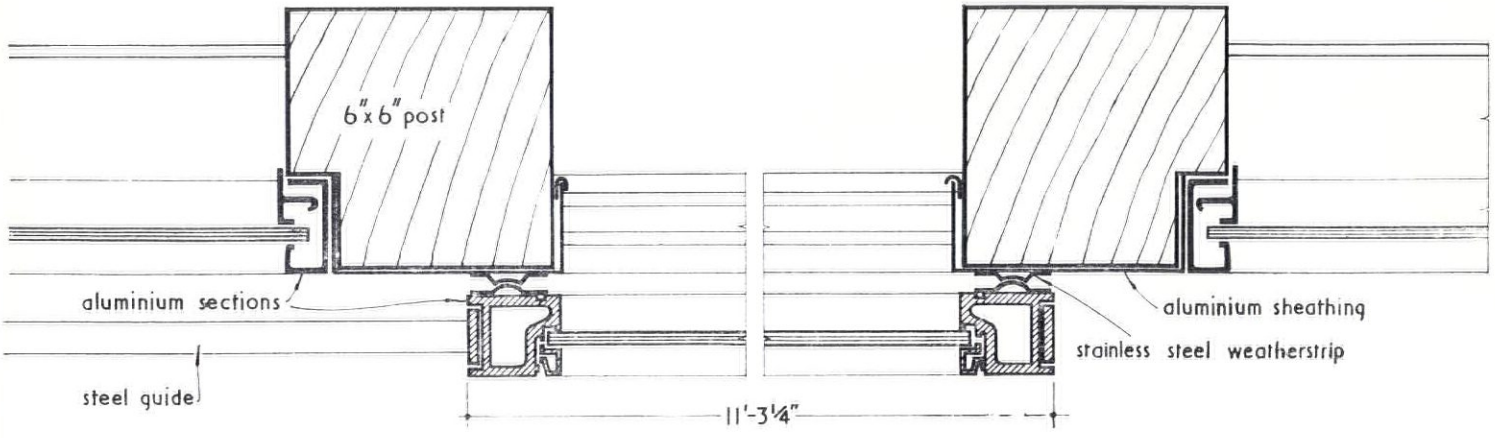
The wide sliding door is a single sheet of plate glass, framed in aluminium, and occupies the centre part of the window wall to the terrace.



VERTICAL SECTION THRO' SLIDING DOOR
scale ¼ full size



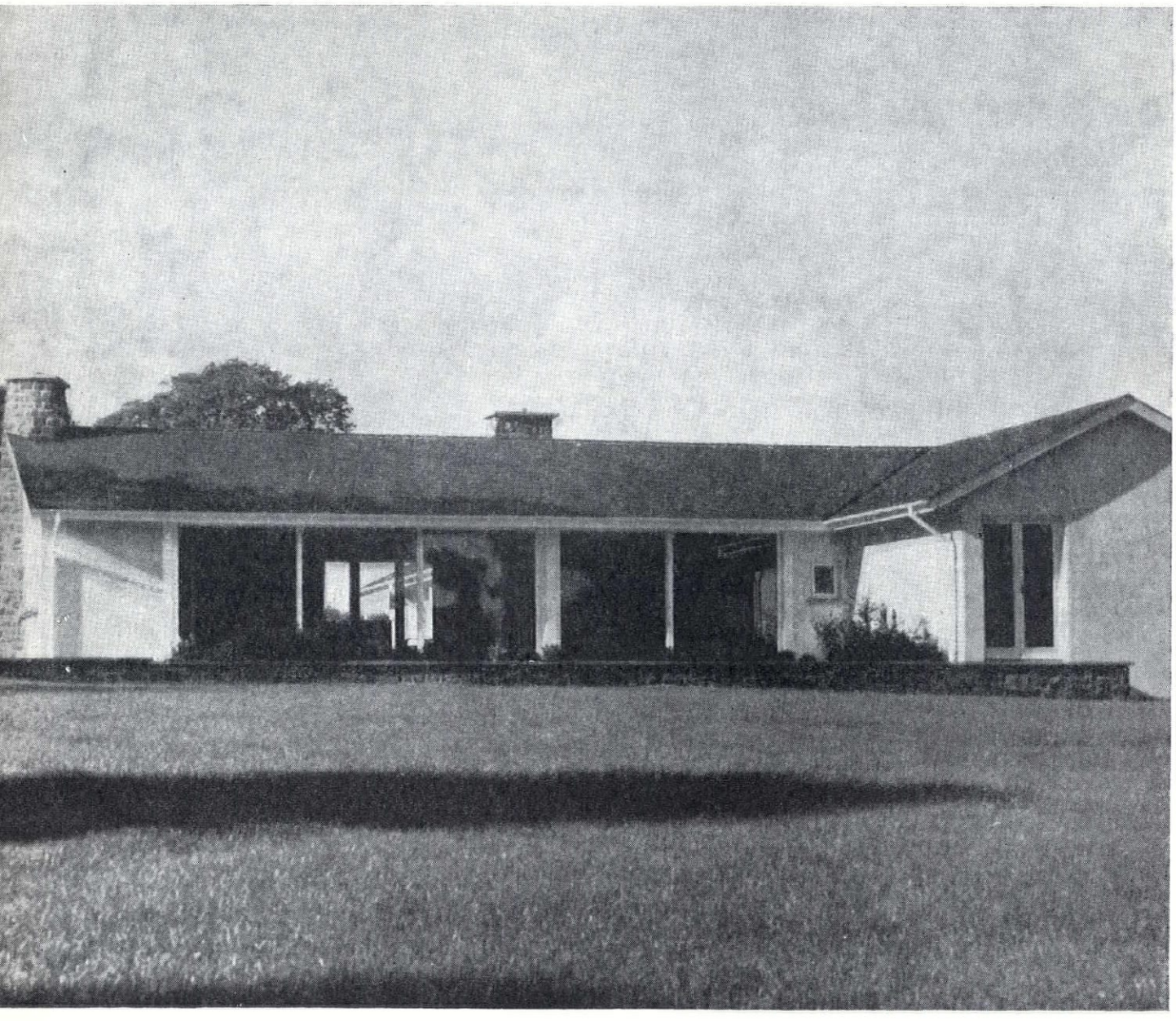
VERTICAL SECTION THRO' WINDOW
scale ¼ full size

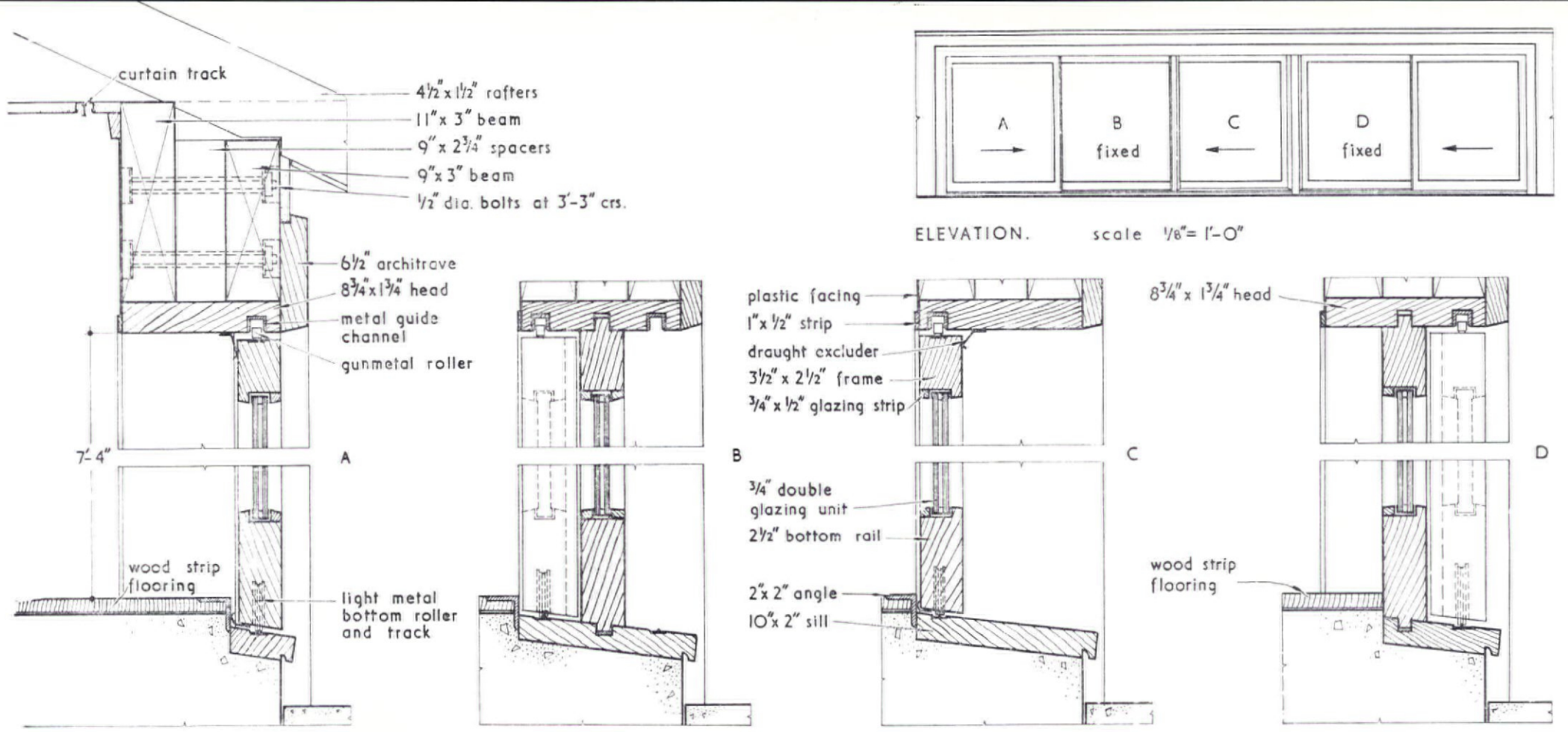


PLAN OF DOOR JAMBS scale ¼ full size

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

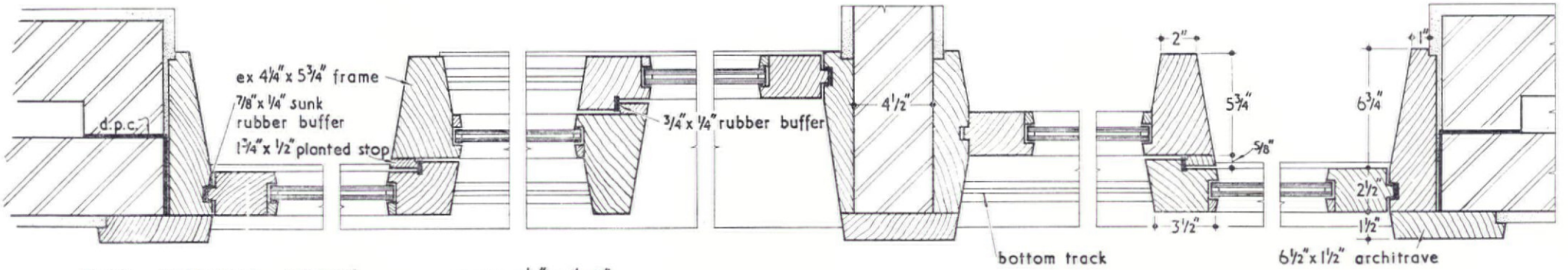
The doors have double-glazed panels and metal draught strips above and below. There are rubber buffers at all points where sliding members come into contact with fixed ones.





SECTIONS THROUGH A, B, C, D scale 1½" = 1'-0"

ELEVATION. scale ⅛" = 1'-0"

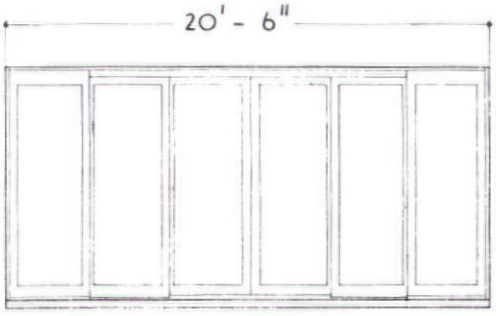


PLAN THROUGH DOORS. scale 1½" = 1'-0"

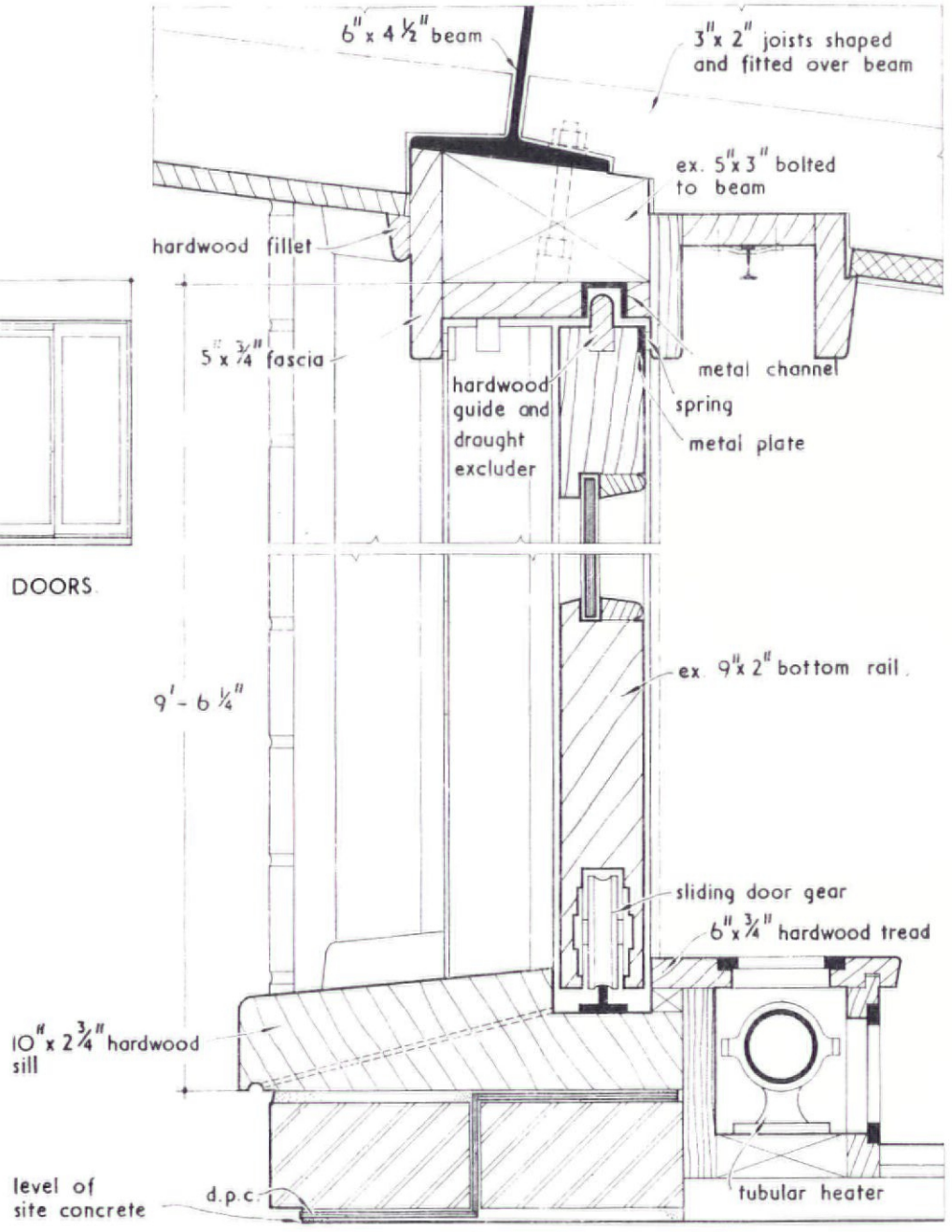
GLAZED SLIDING DOORS: HOUSE AT WELWYN GARDEN CITY

DESIGNED BY RICHARD J. NICHOL

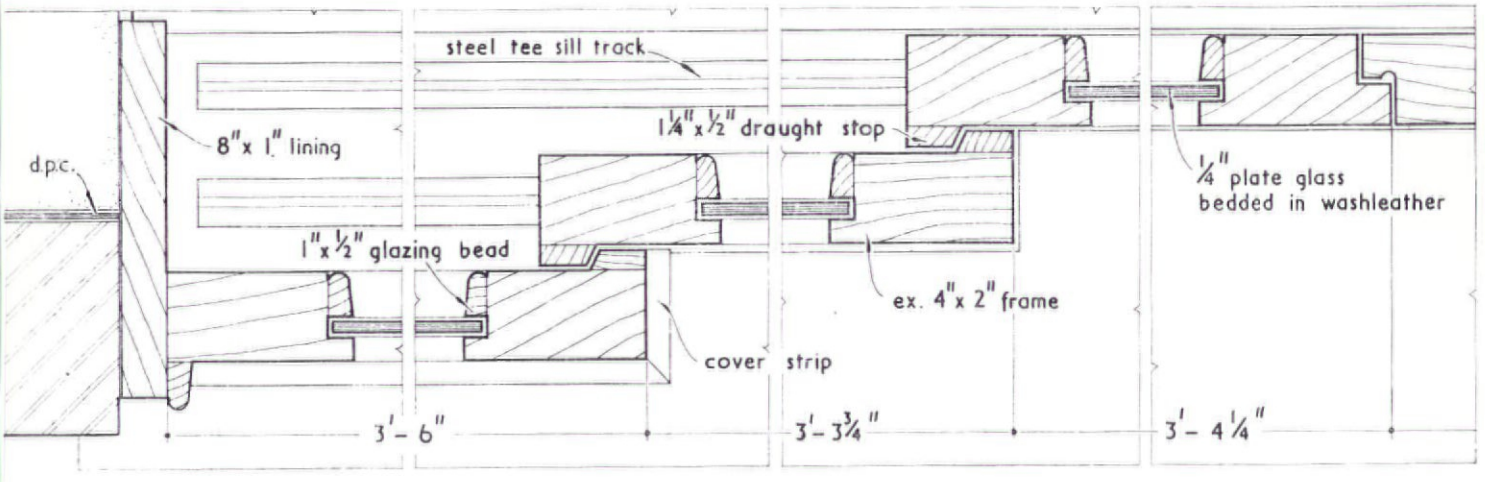
The sliding doors run on a steel tee sill track and provide a clear opening to the living room more than 13 ft. wide.



EXTERNAL ELEVATION OF DOORS
scale 1/8" = 1'-0"



VERTICAL SECTION THROUGH SLIDING DOORS. scale ¼ full size

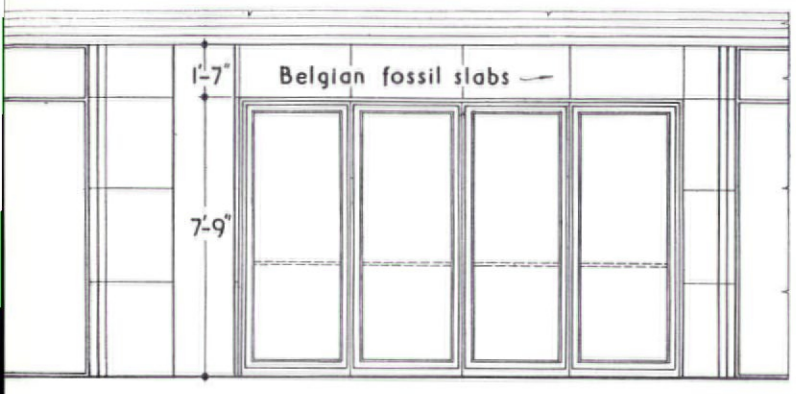


PART PLAN OF SLIDING DOORS. scale ¼ full size

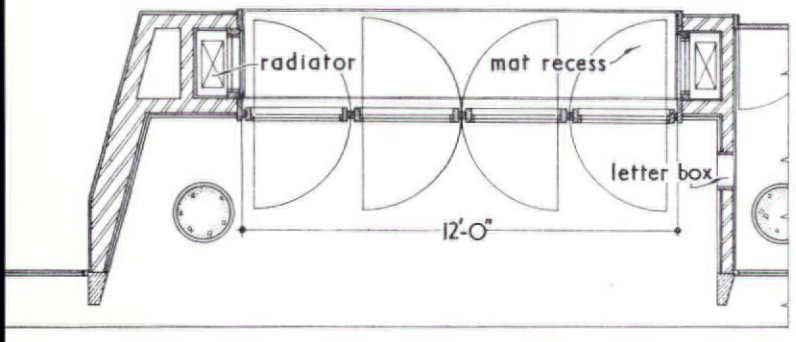
GLAZED ENTRANCE DOORS: STUDENTS' HOSTEL IN LONDON. W.1

DESIGNED BY RALPH TUBBS

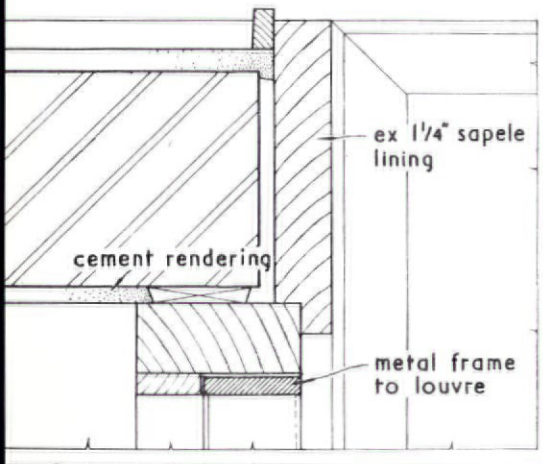
The panic bolts are unobtrusively placed beside the deep stiles and pass through the top and bottom rails of the doors.

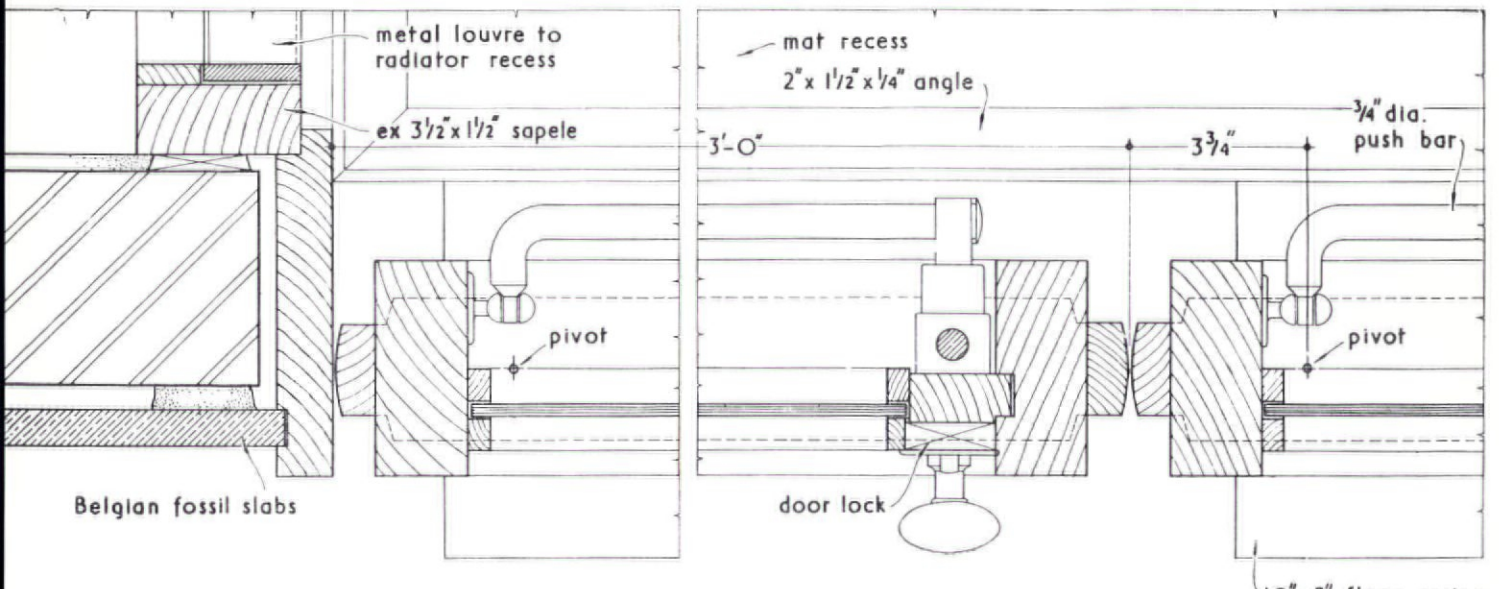


ELEVATION OF ENTRANCE.

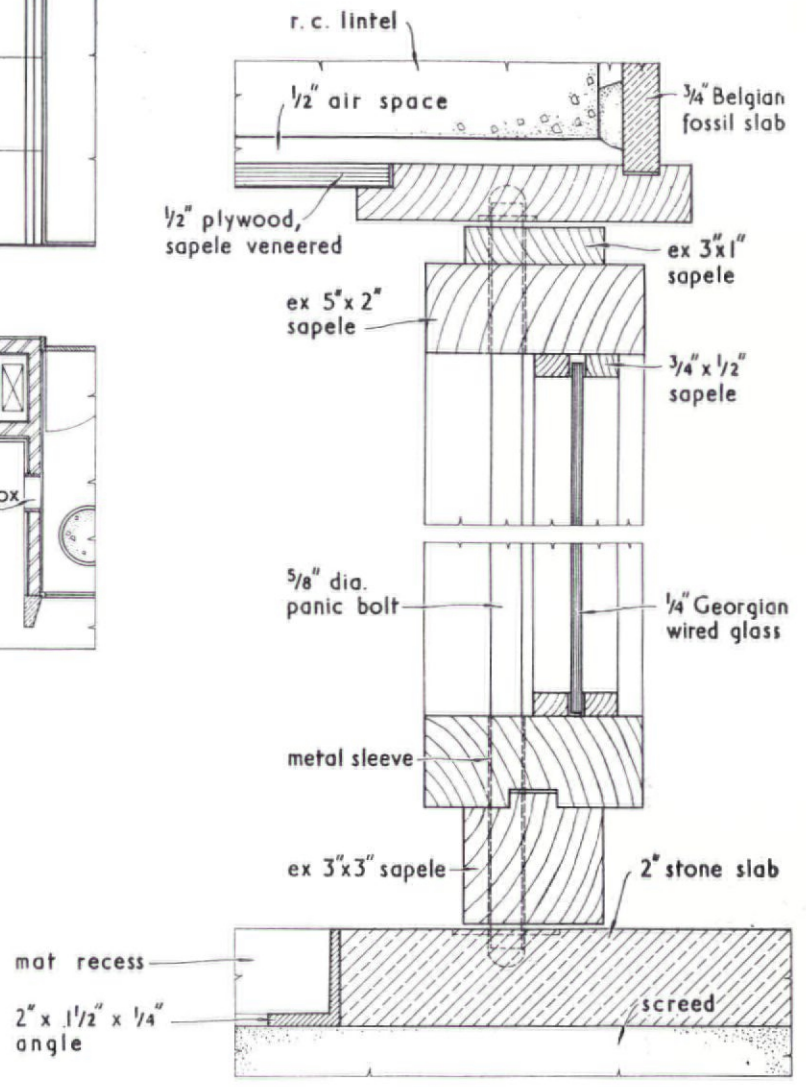


PLAN scale 3/16" = 1'-0"





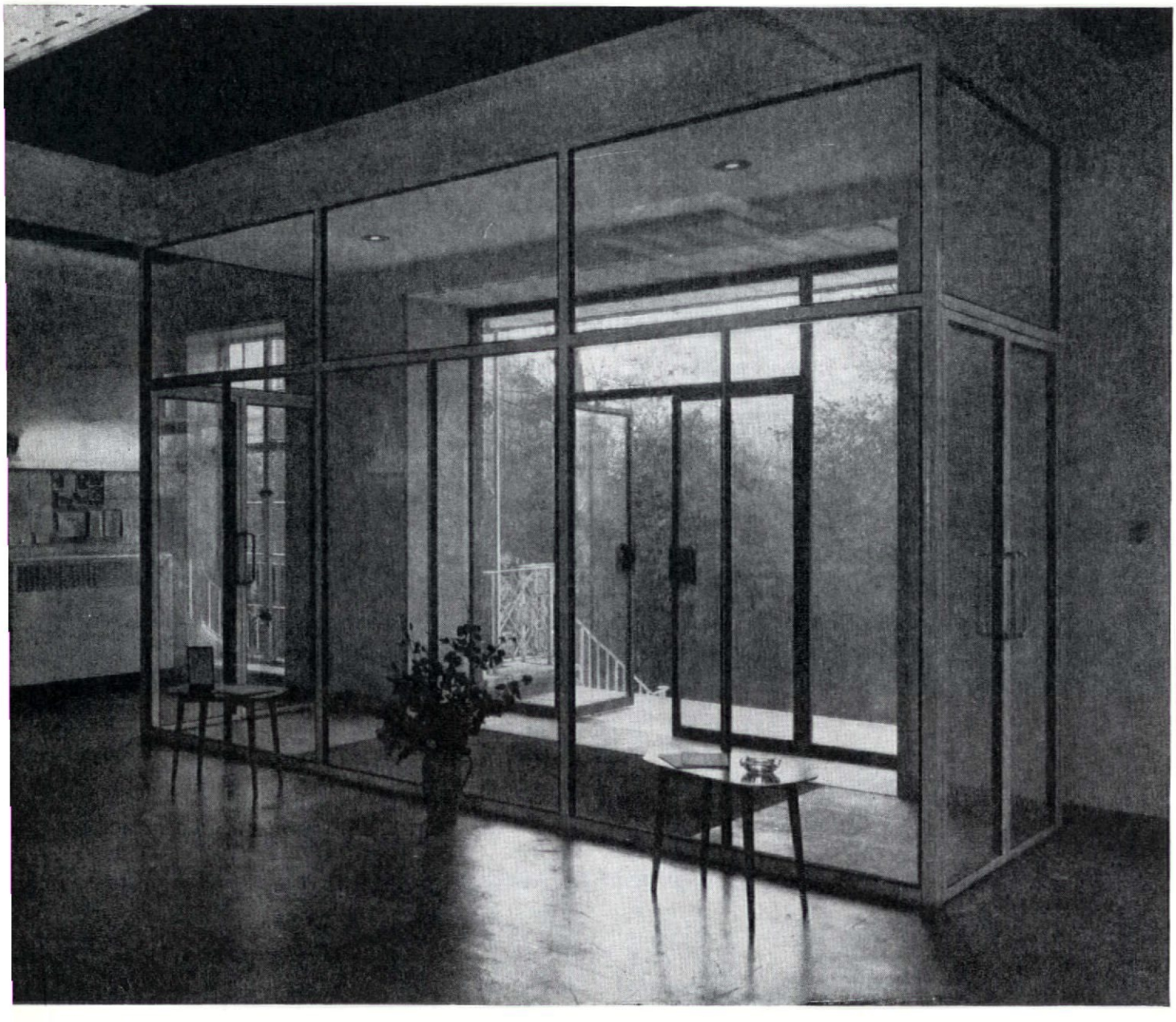
PLAN OF DOOR. scale ¼ full size

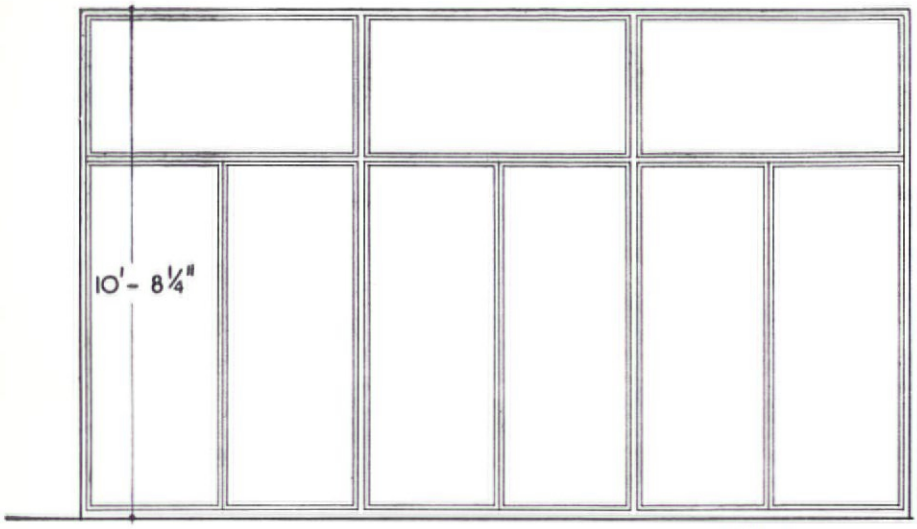


SECTION THROUGH DOOR
scale ¼ full size

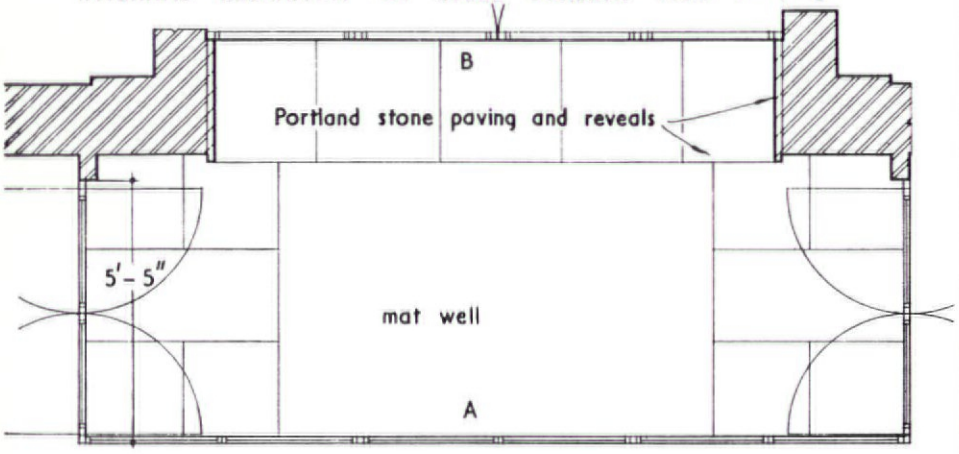
GLAZED ENTRANCE DOORS AND SCREEN: SOCIETY HEADQUARTERS, LONDON, N.W.1
DESIGNED BY JOHN AND ELIZABETH EASTWICK-FIELD IN COLLABORATION WITH HUGH PITE

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

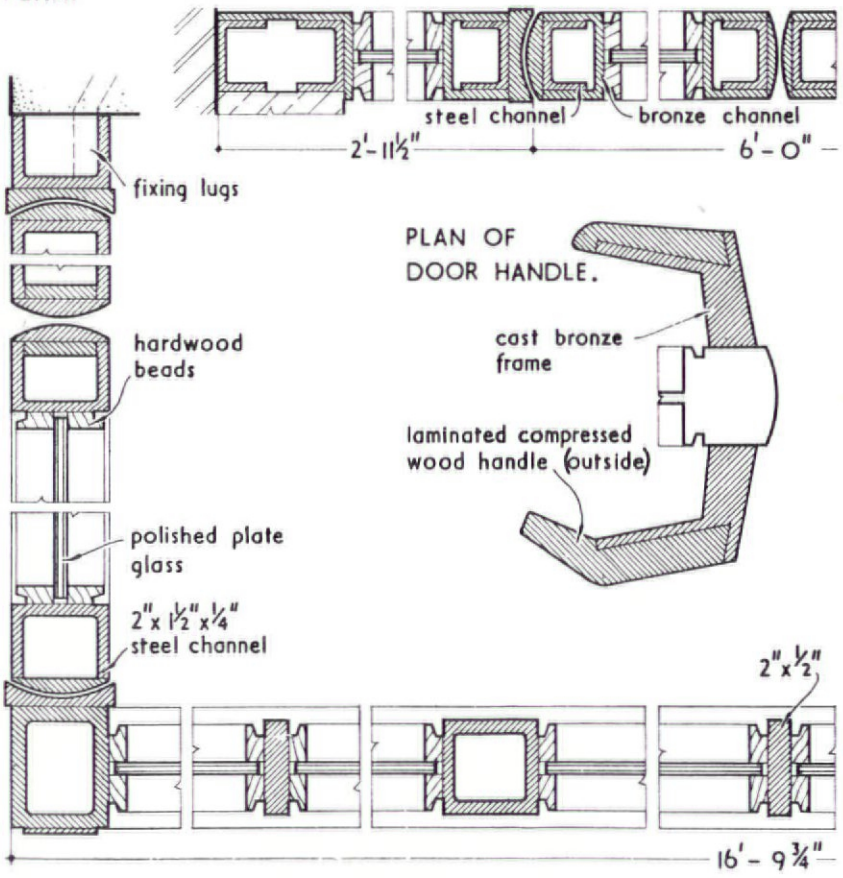




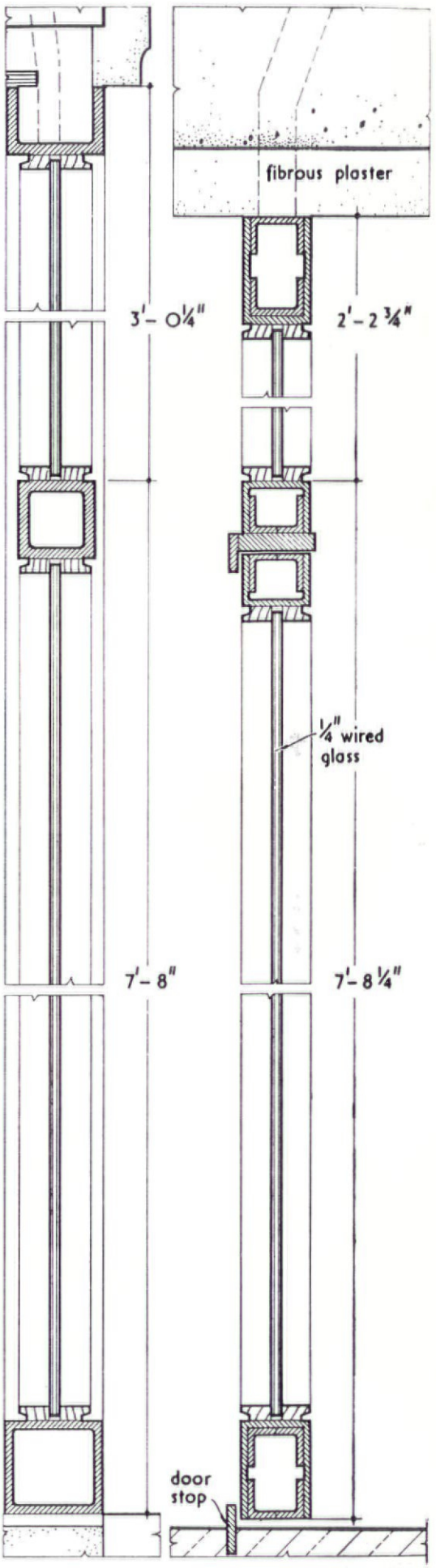
INTERNAL ELEVATION OF STEEL SCREEN. scale ¼"= 1'-0"



PLAN.



PART PLAN OF BRONZE ENTRANCE DOORS AND STEEL SCREEN.

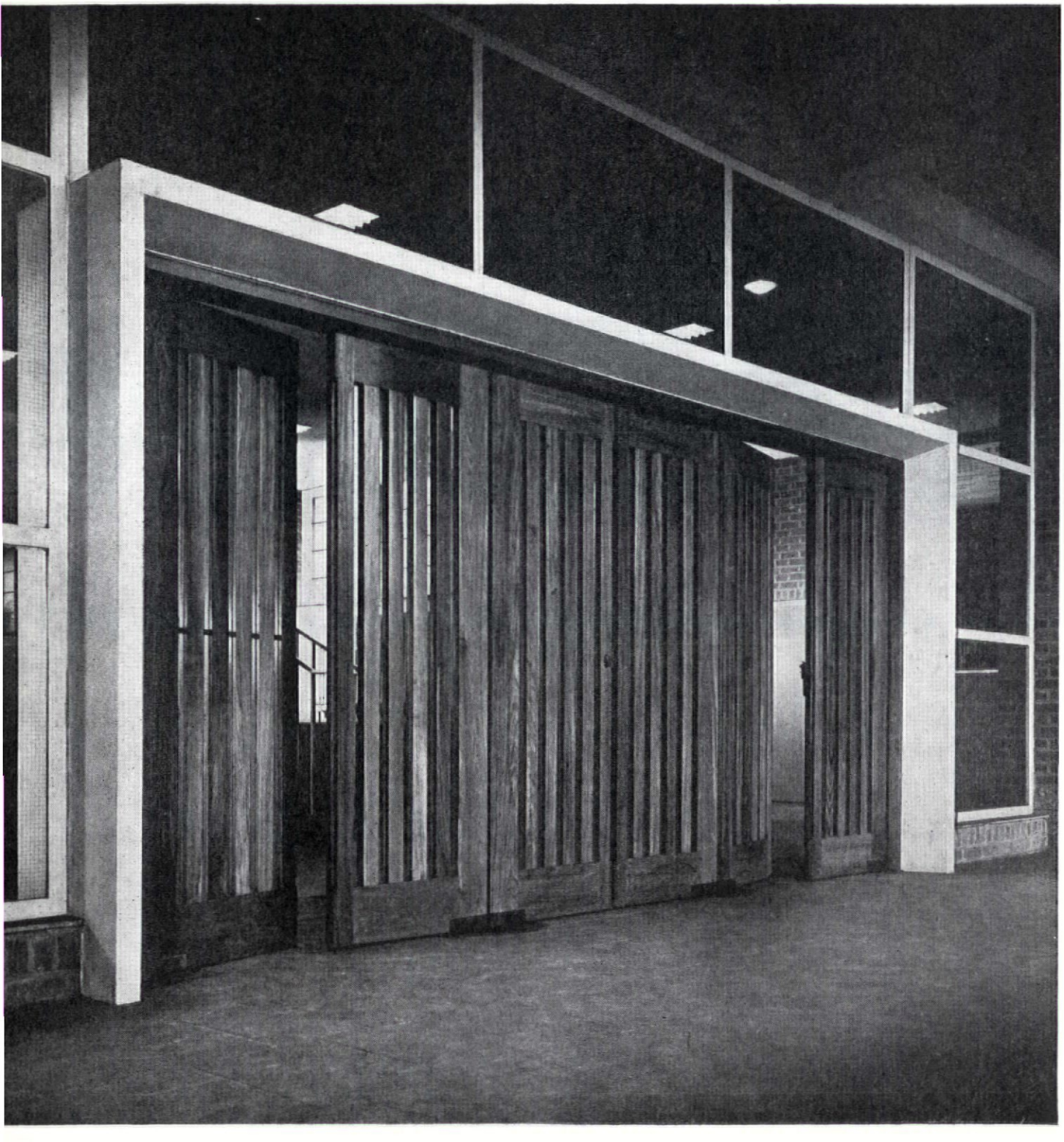


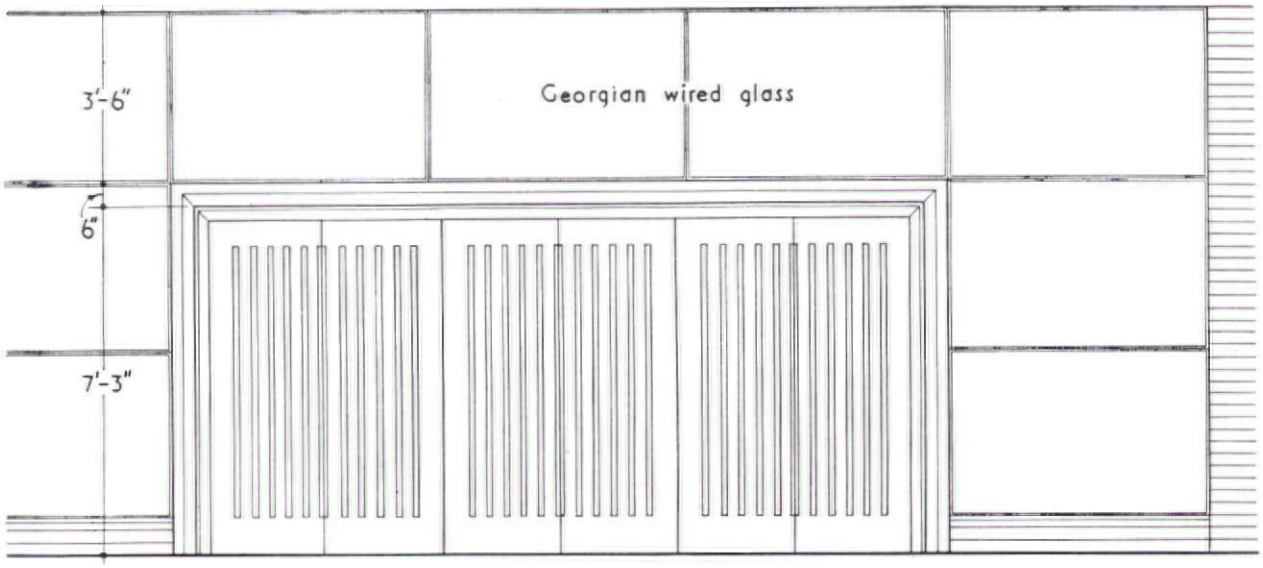
SECTION AT A. SECTION AT B. scale ¼ full size

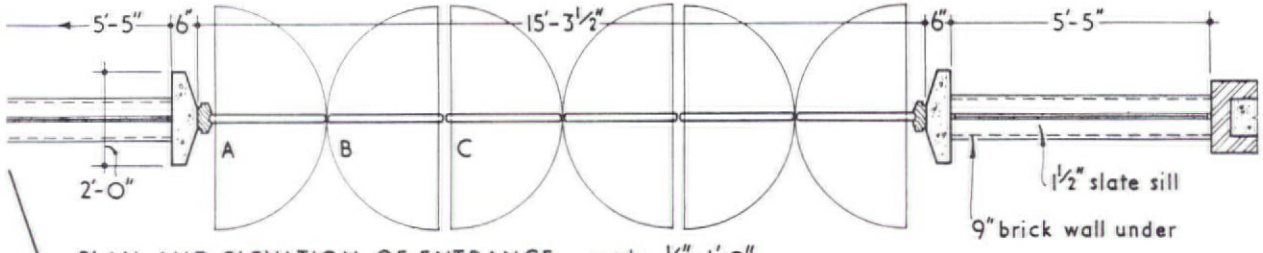
ENTRANCE DOORS: TECHNICAL COLLEGE AT WILLESDEN

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

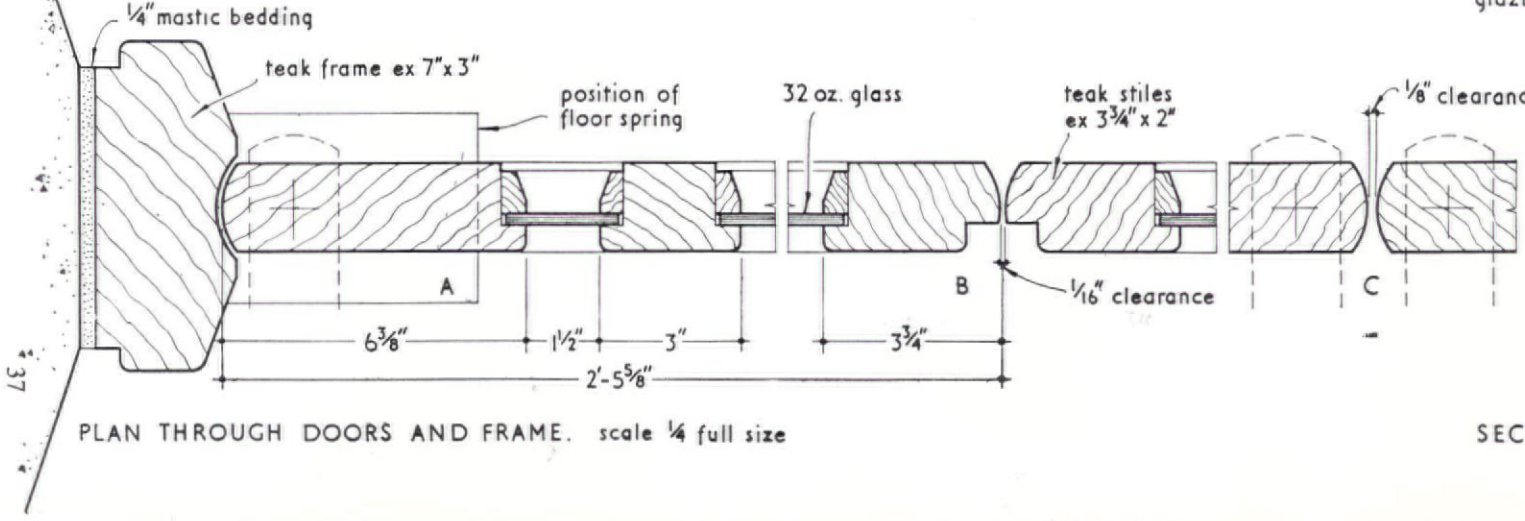
There is no framing between the pairs of doors, which are in teak with narrow vertical strips of glazing.



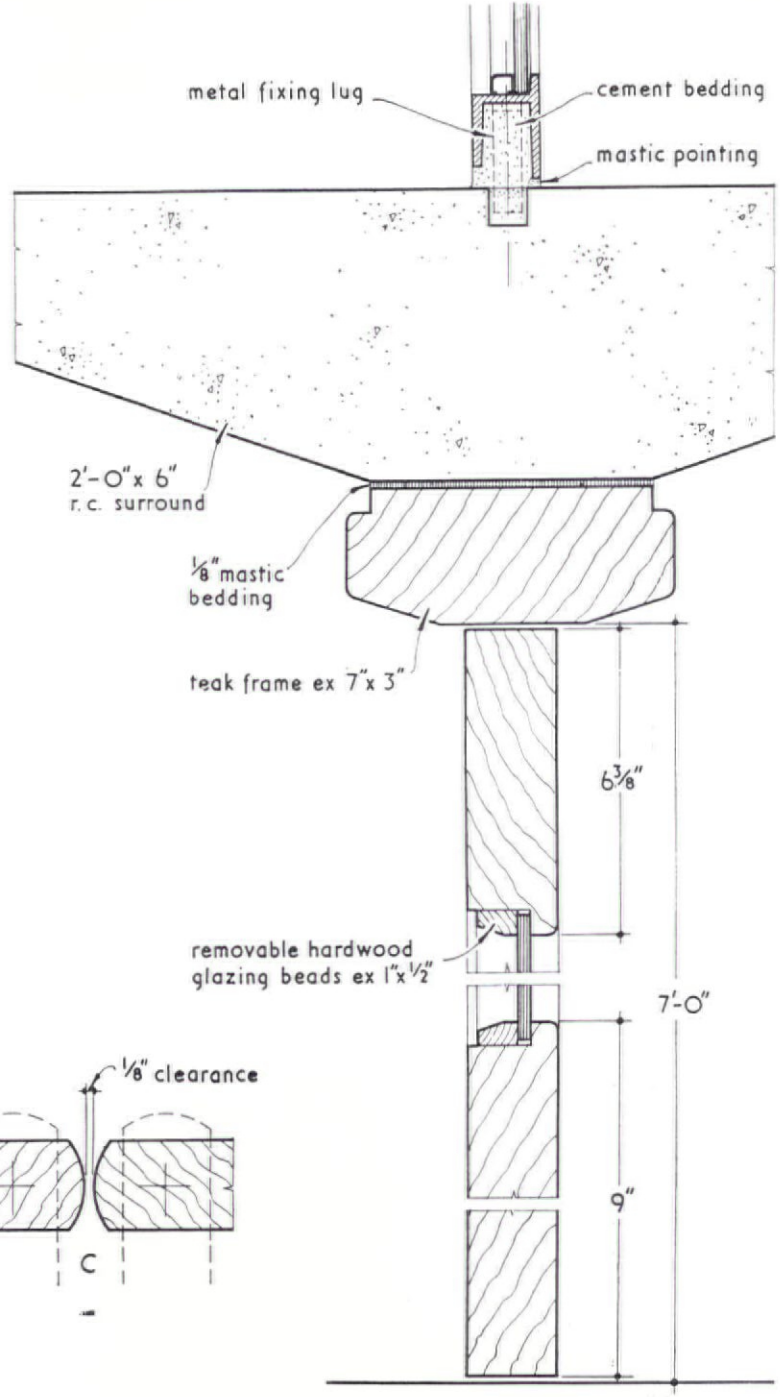




PLAN AND ELEVATION OF ENTRANCE. scale ¼"=1'-0"



PLAN THROUGH DOORS AND FRAME. scale ¼ full size

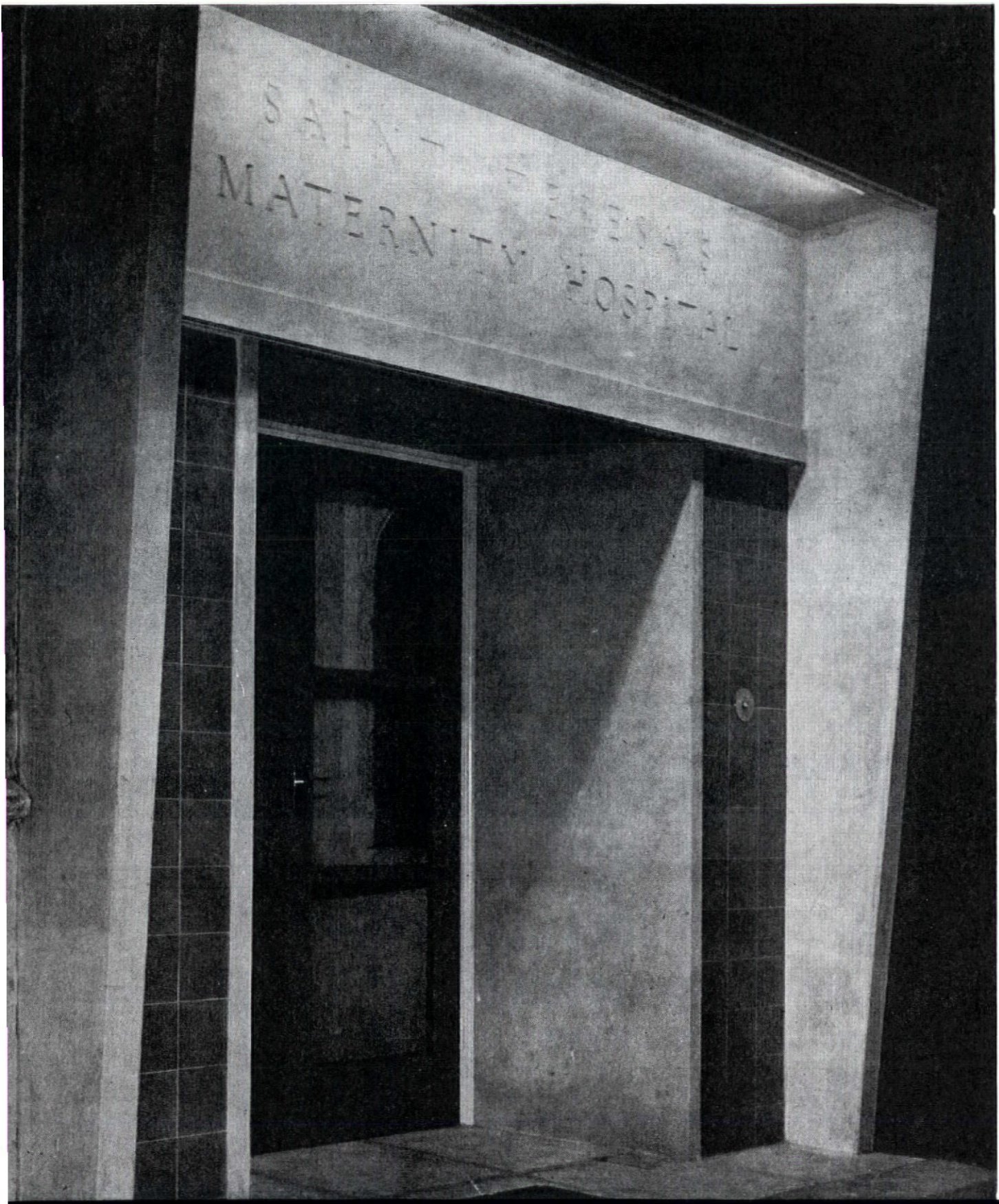


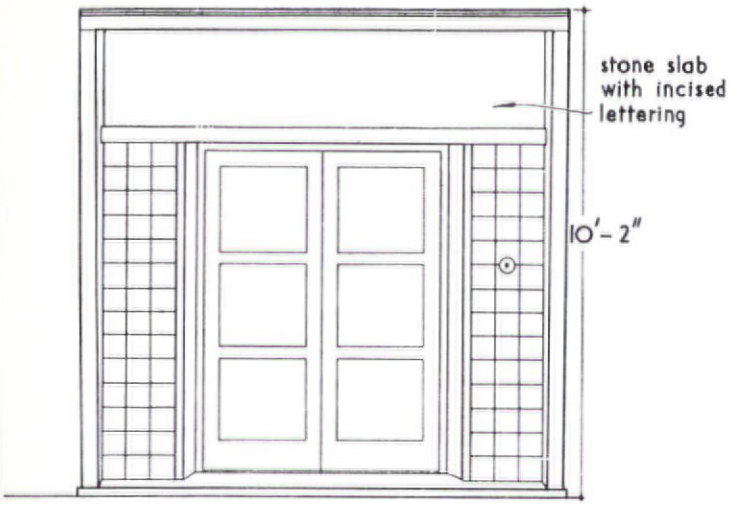
SECTION THROUGH DOOR. scale ¼ full size

DOORWAY: MATERNITY HOSPITAL AT WIMBLEDON

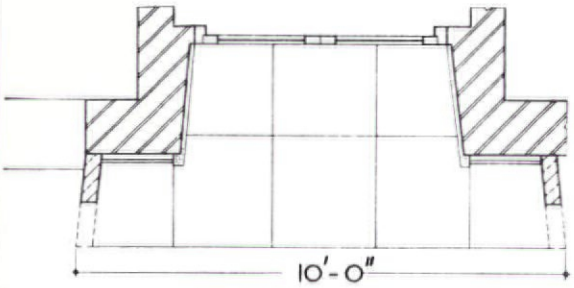
DESIGNED BY H. H. CLARK

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.

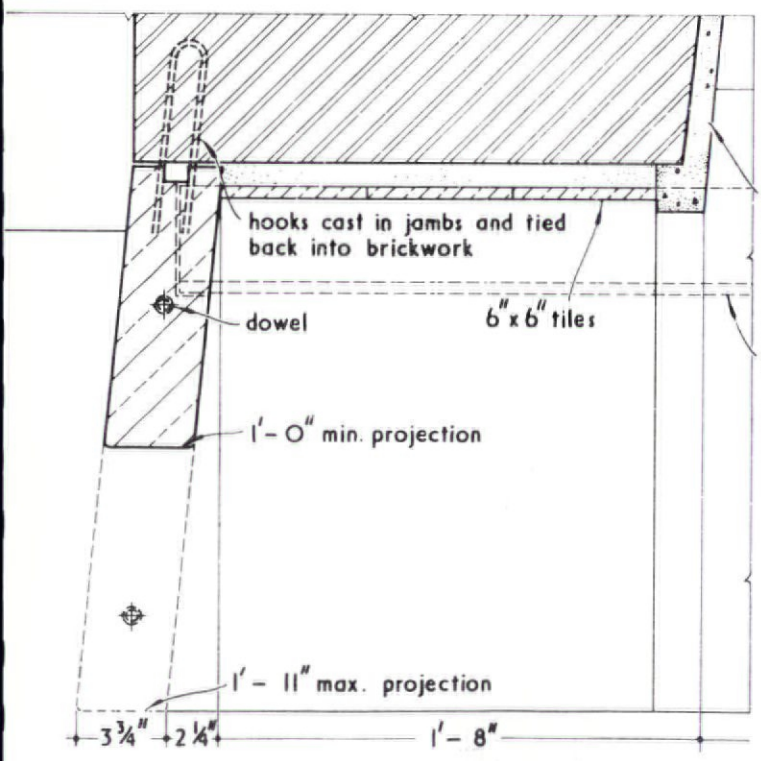




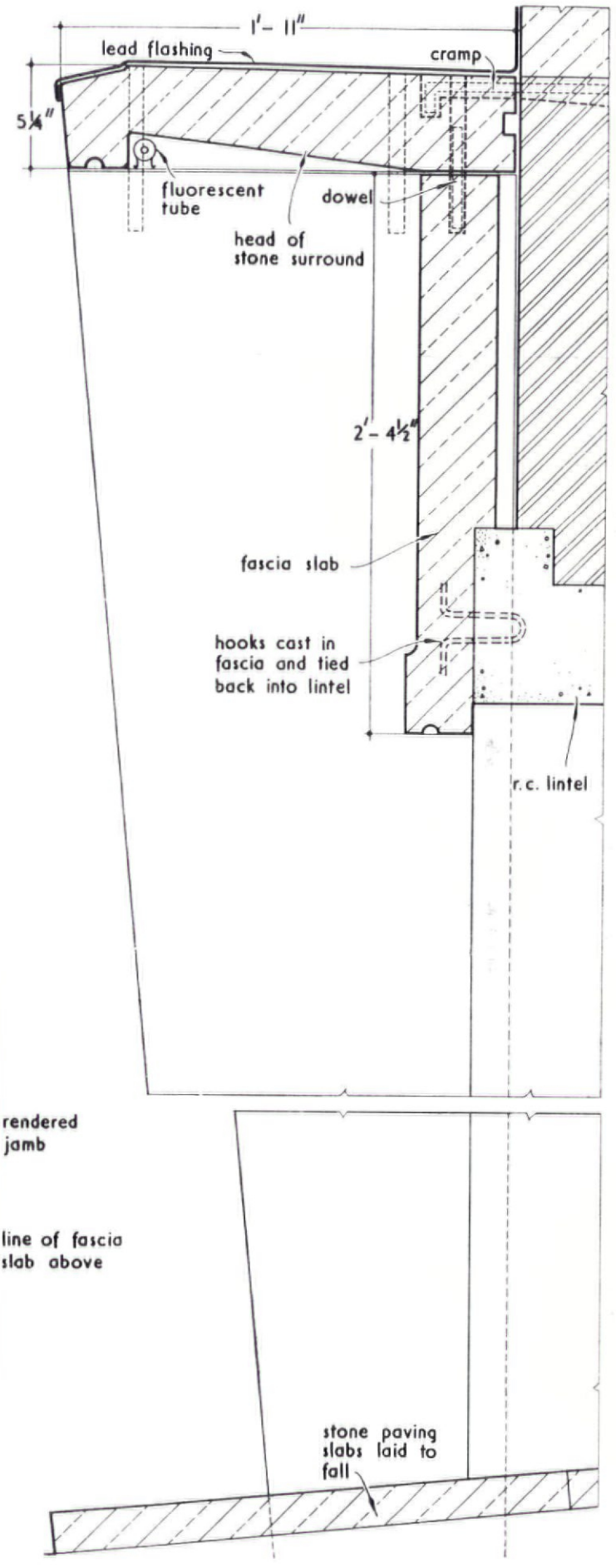
ELEVATION OF ENTRANCE.



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



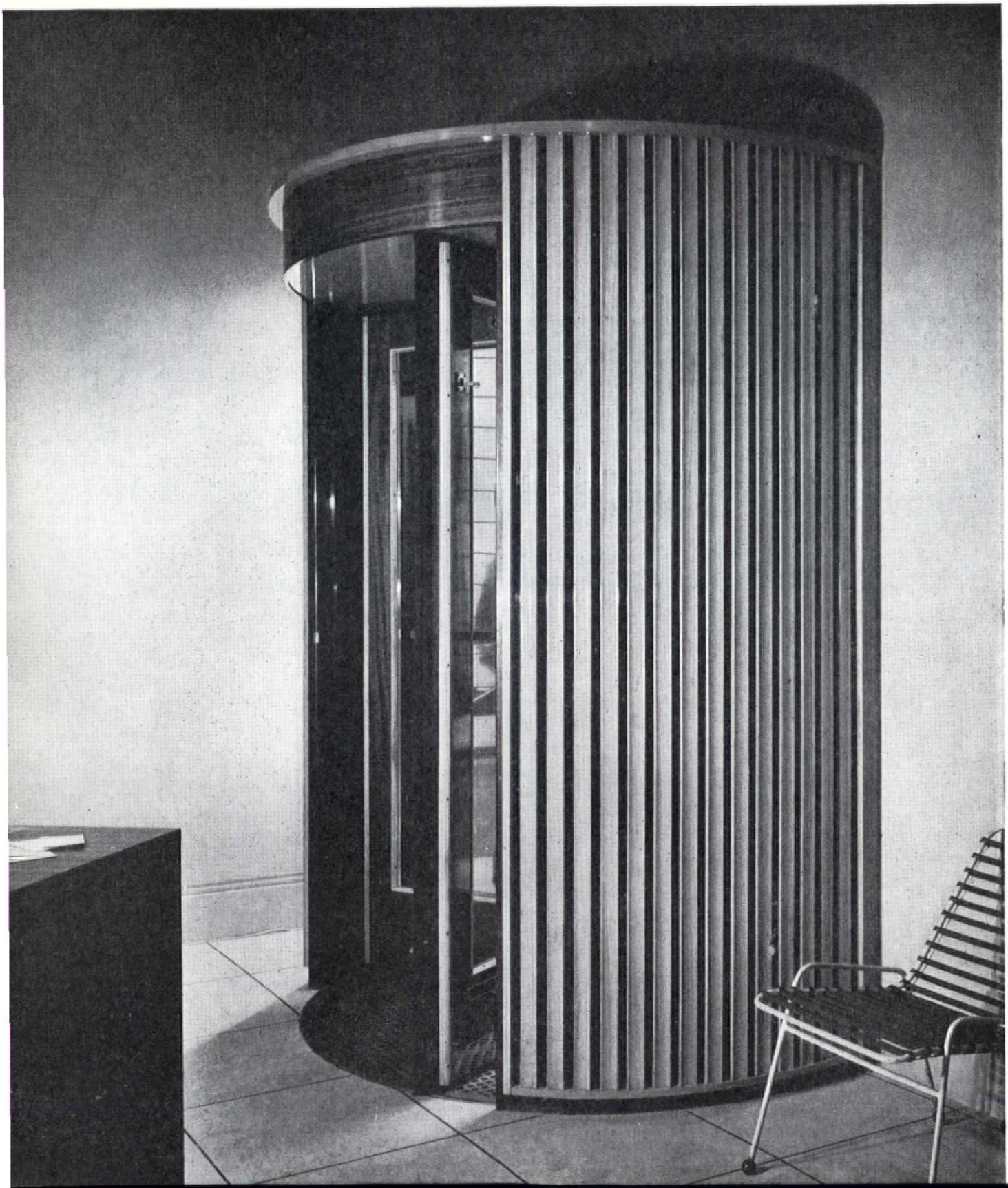
PART PLAN OF ENTRANCE. scale 1½" = 1'-0"

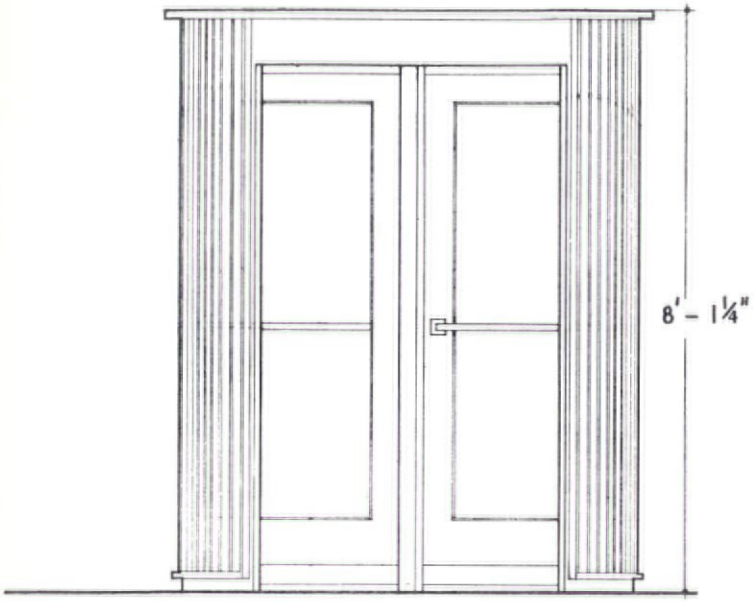


VERTICAL SECTION SHOWING FIXING OF SURROUND.

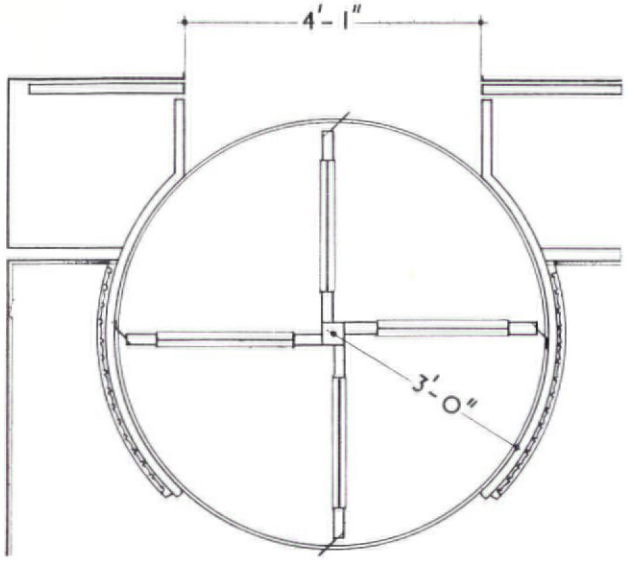
REVOLVING DOOR: OFFICES IN LONDON, S.W.1
DESIGNED BY BERTRAM CARTER IN COLLABORATION WITH DYNELEY, LUKER AND MOORE

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

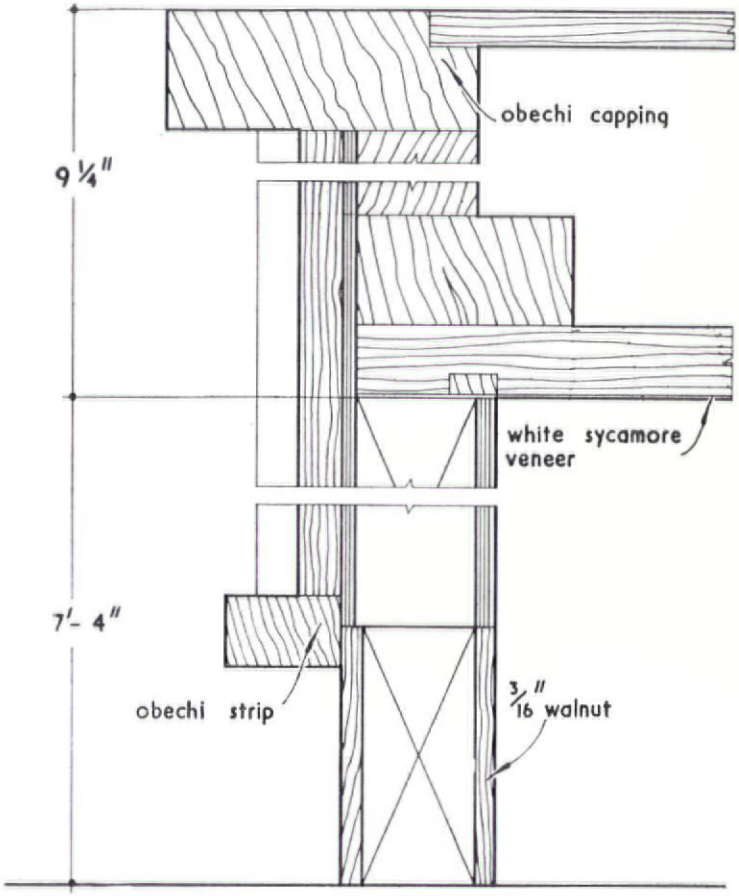




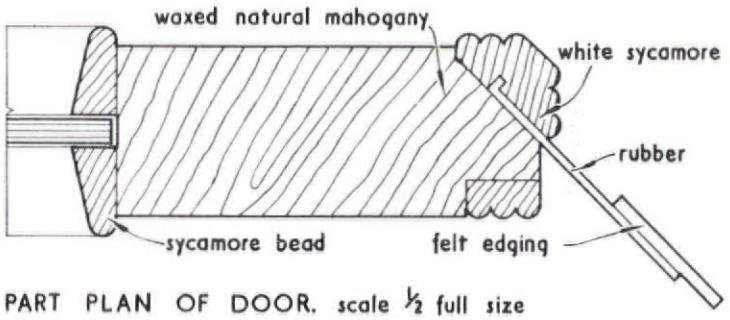
ELEVATION.



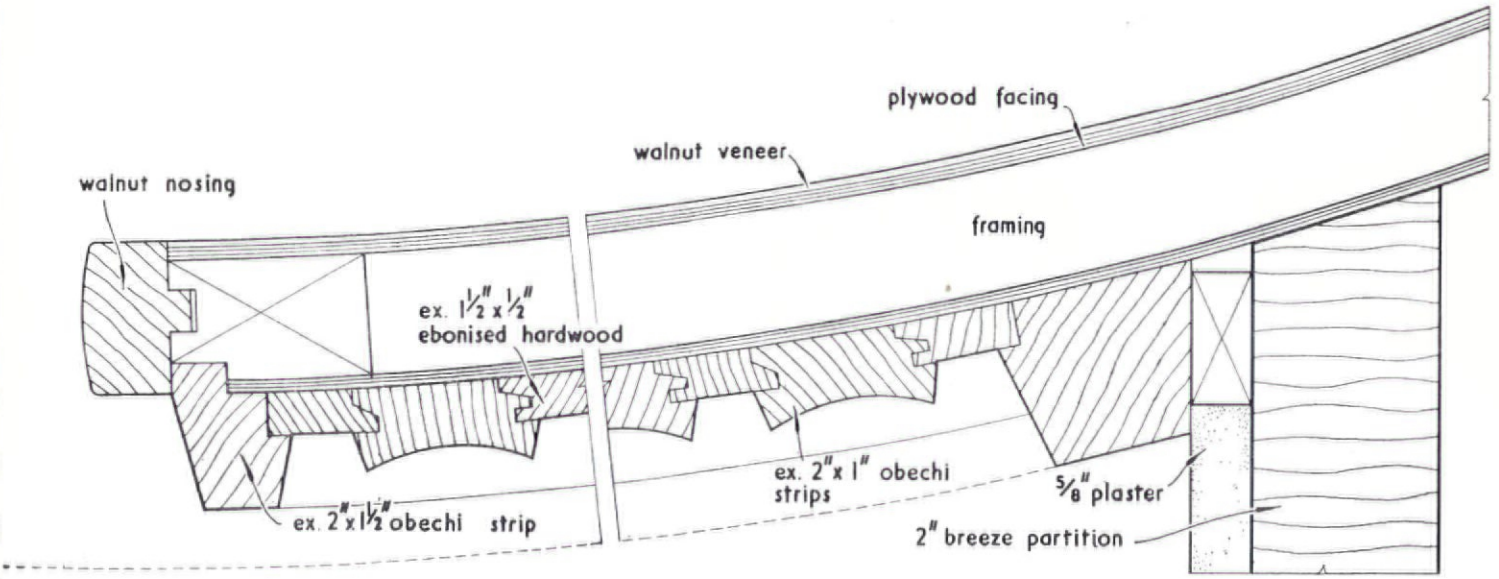
PLAN OF DOOR. scale ⅜" = 1'-0"



VERTICAL SECTION THRO' SIDE CASING scale ½ full size



PART PLAN OF DOOR. scale ½ full size

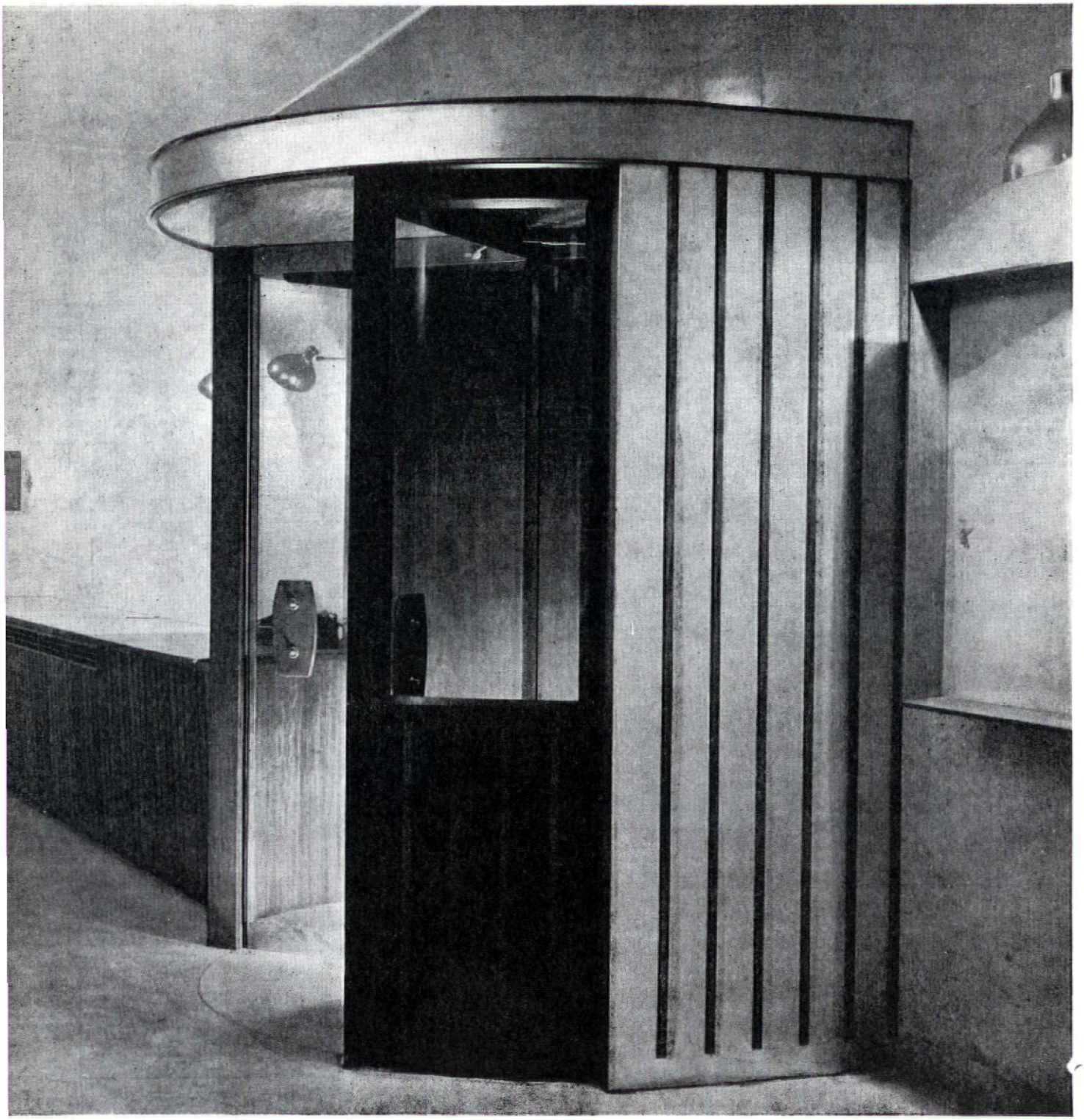


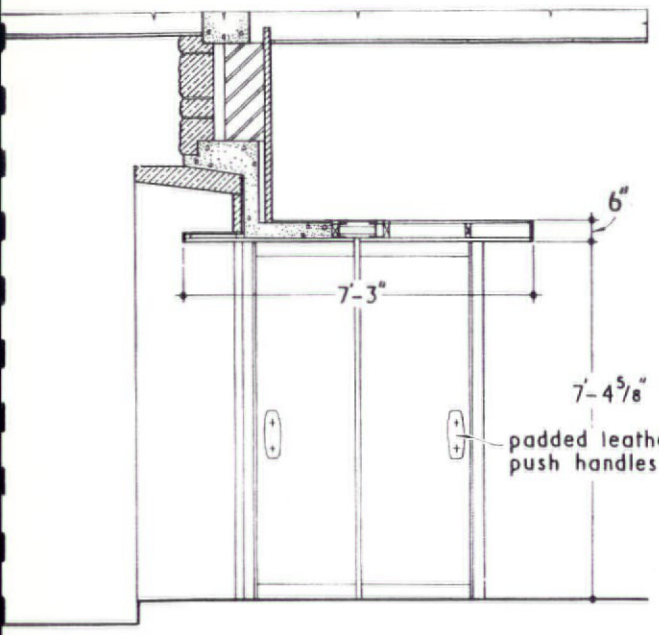
PART PLAN OF SIDE CASING scale ½ full size

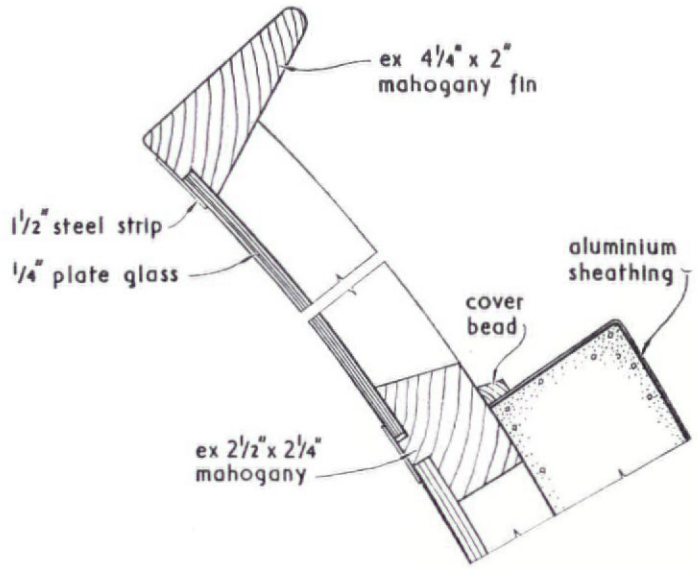
REVOLVING DOOR: DEPARTMENT OF NATURAL PHILOSOPHY, UNIVERSITY OF GLASGOW

DESIGNED BY BASIL SPENCE AND PARTNERS

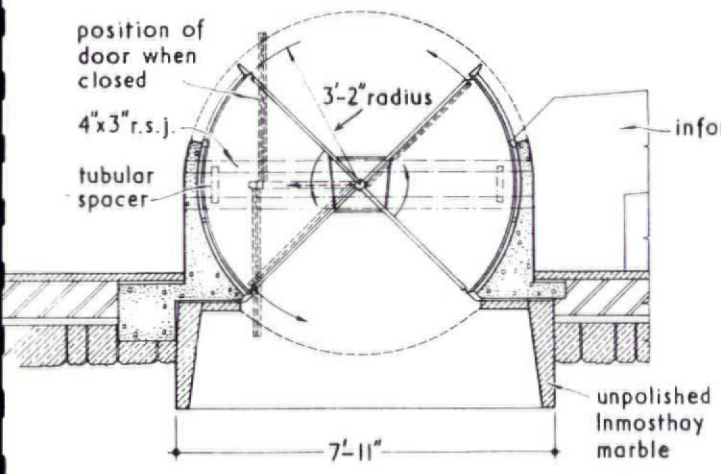
The revolving doors are of armour-plate glass; when not in use they may be folded flat and moved on an overhead track to one side of the opening.



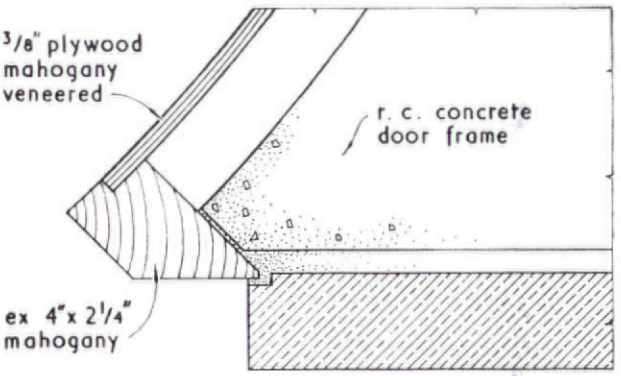




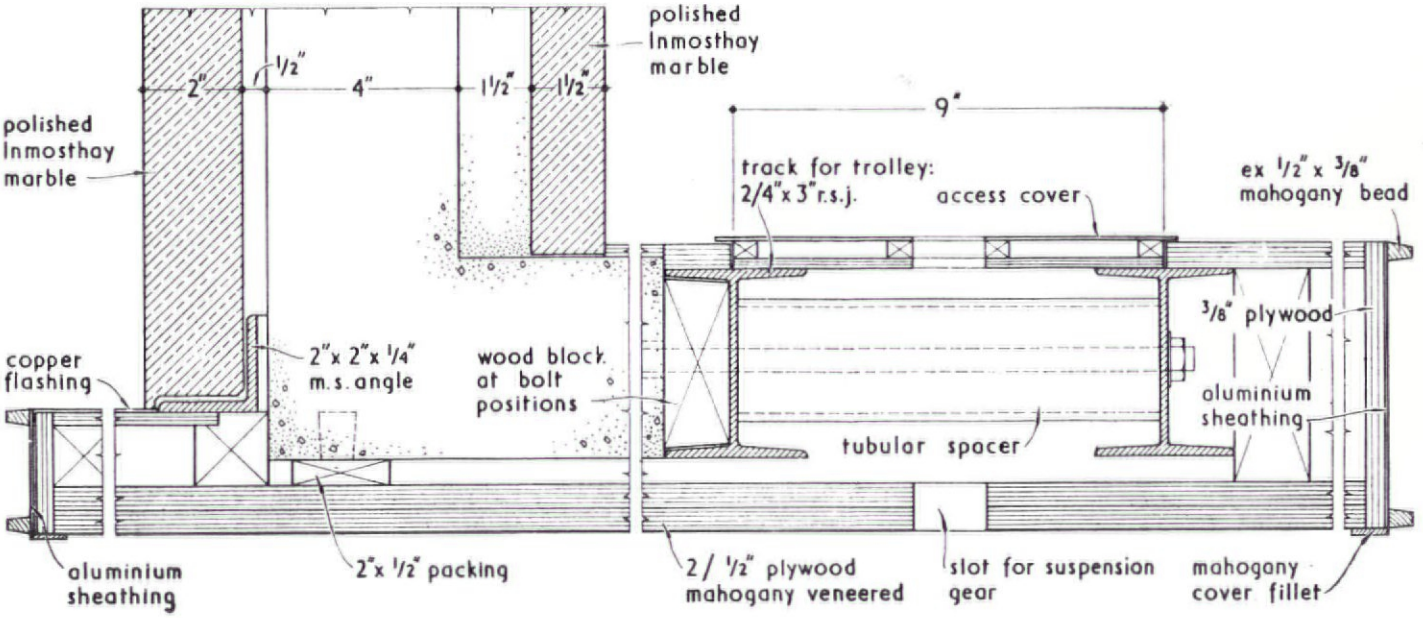
PART PLAN OF GLAZED CASING.
scale ¼ full size



PLAN AND SECTION OF DOORWAY.
scale ¼" = 1'-0"



PART PLAN OF EXTERNAL JAMB.
scale ¼ full size

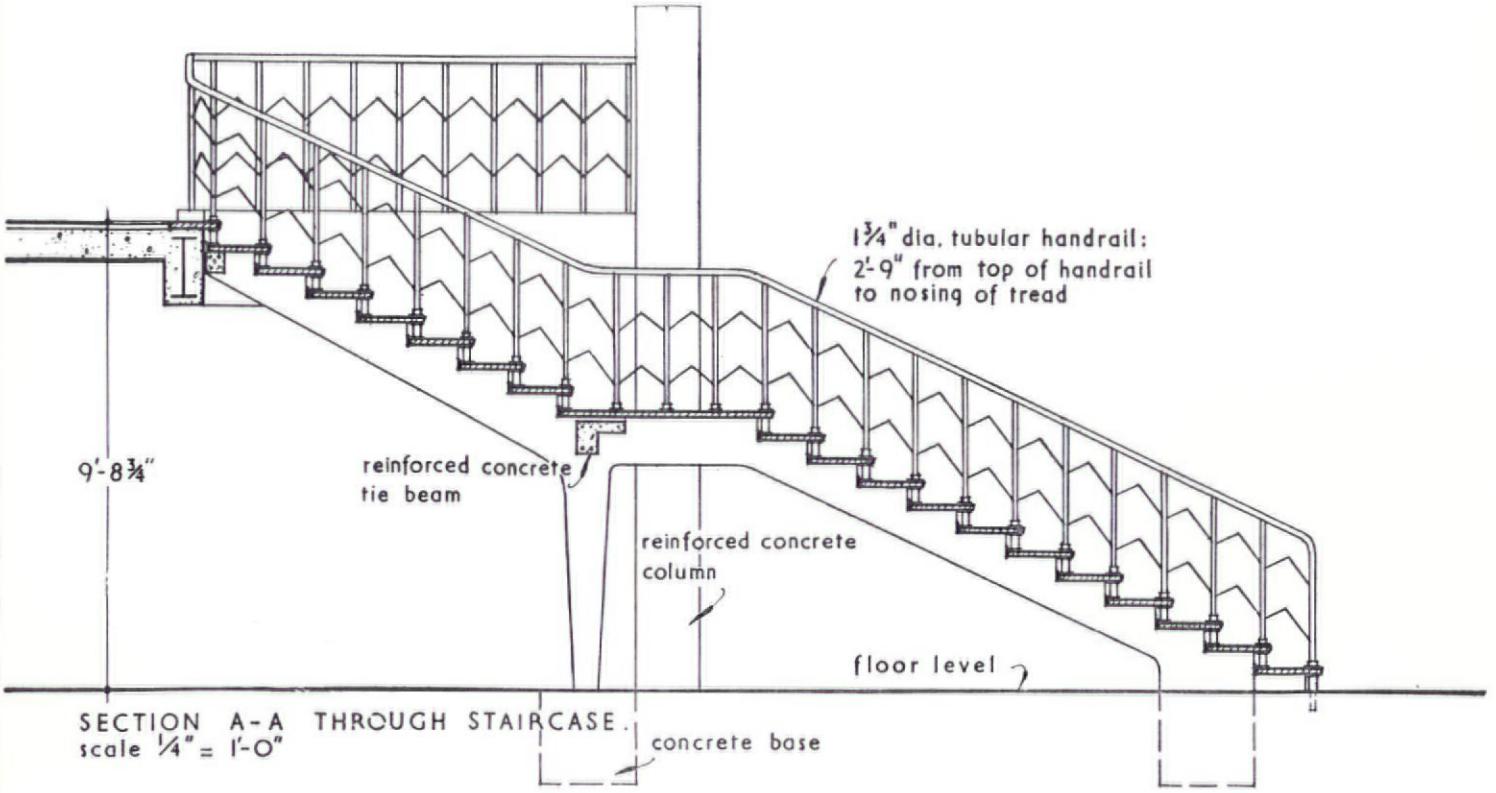


SECTION THROUGH CANOPY. scale ¼ full size

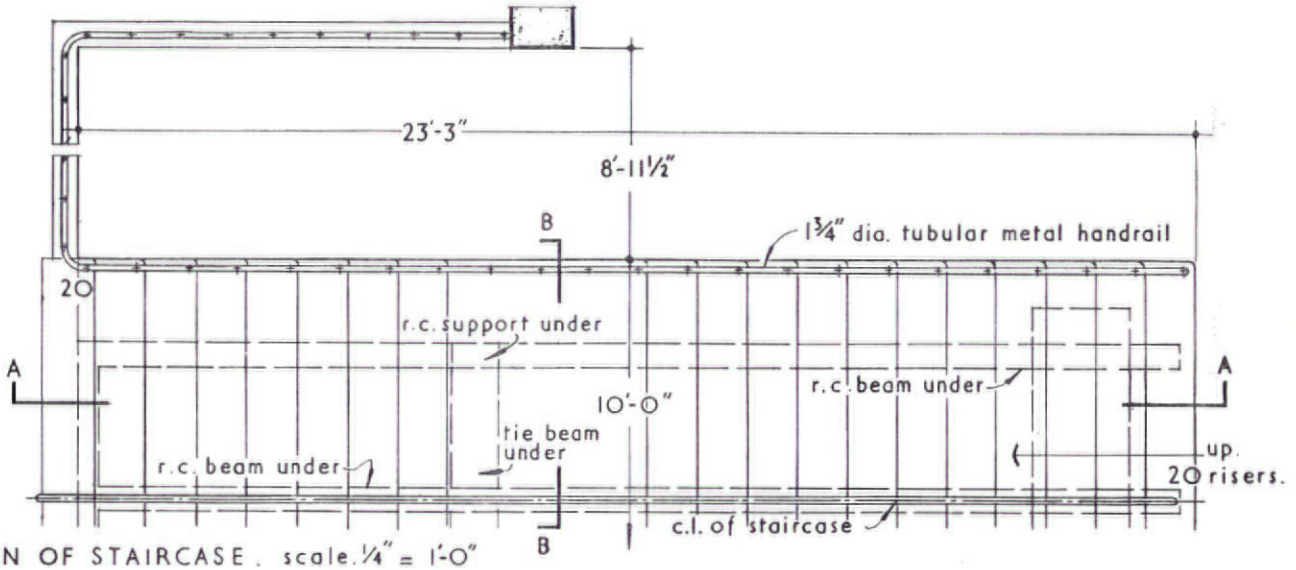
STAIRCASE: STORE IN LONDON, W.1

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

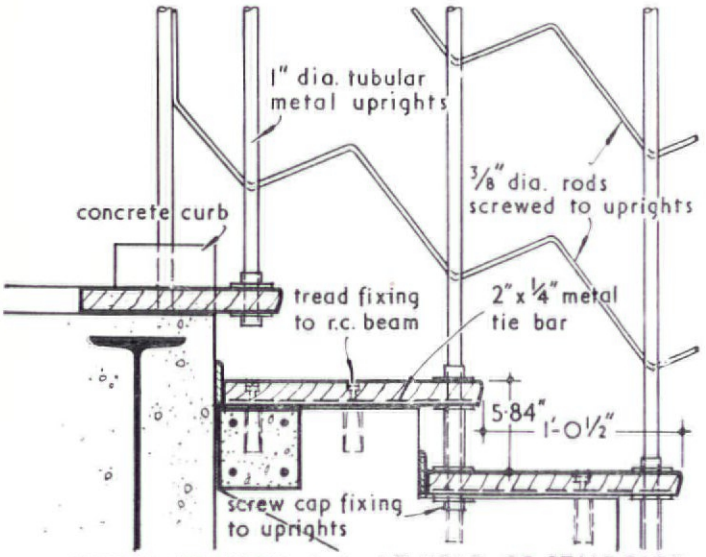
The hardwood treads are carried on three reinforced concrete beams: the balustrade is of tubular steel.



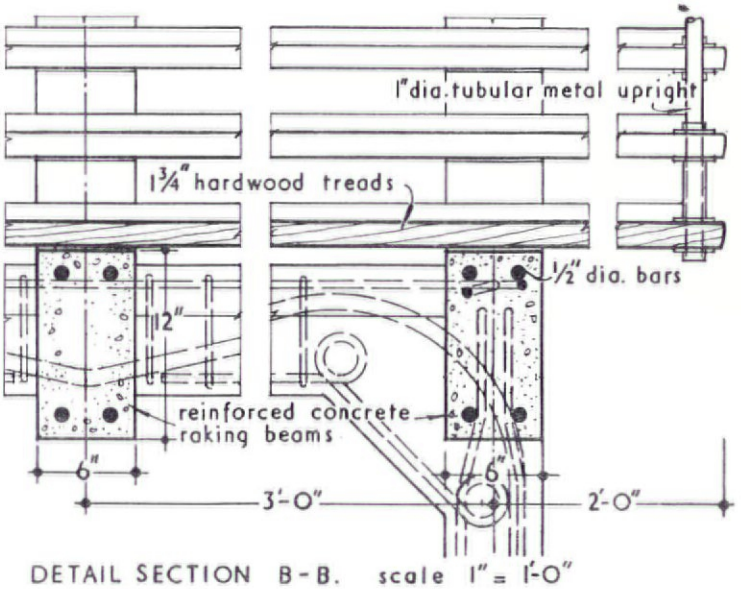
SECTION A-A THROUGH STAIRCASE.
scale ¼" = 1'-0"



PLAN OF STAIRCASE. scale ¼" = 1'-0"



DETAIL SECTION A-A AT HEAD OF STAIRCASE

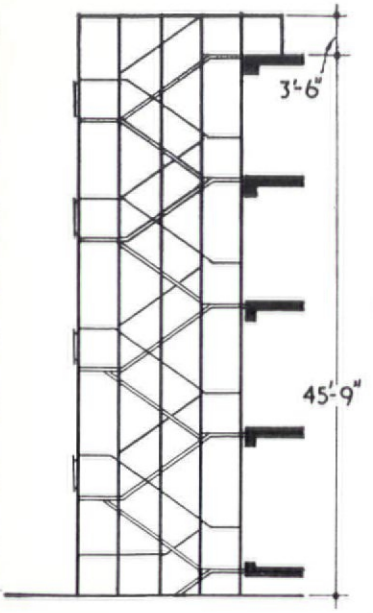


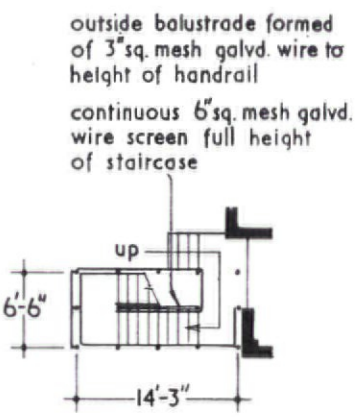
DETAIL SECTION B-B. scale 1" = 1'-0"

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

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

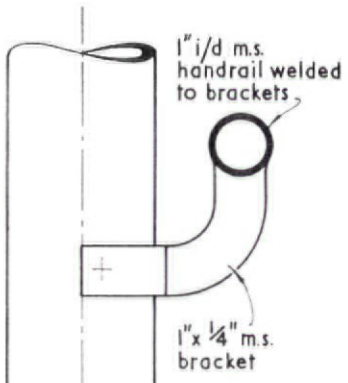
The staircase is enclosed in vertical members of tubular steel with wire mesh balustrading and parting screen.

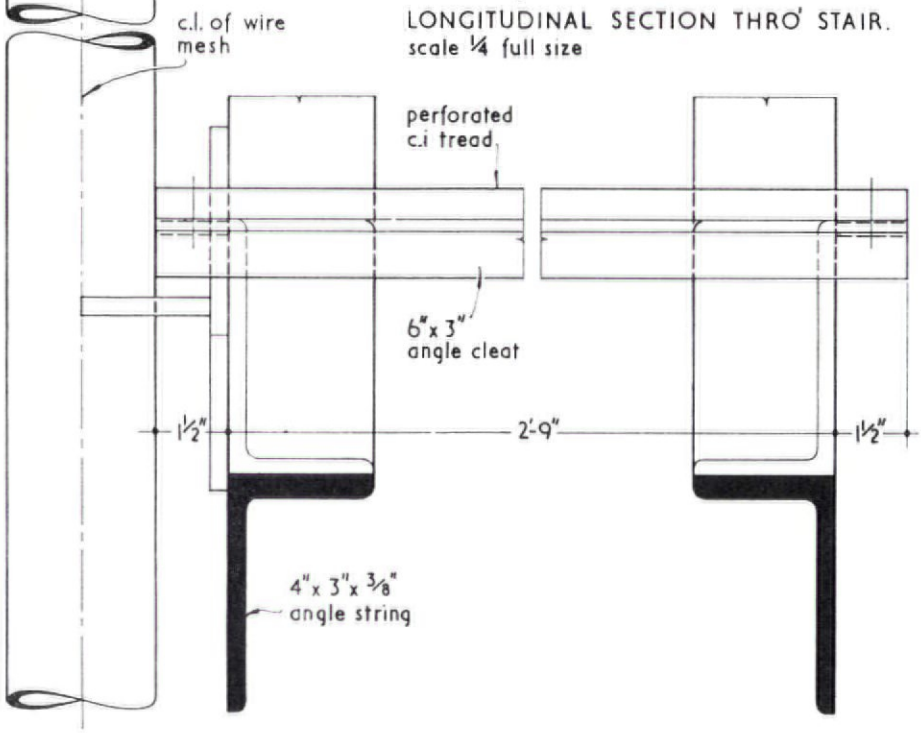




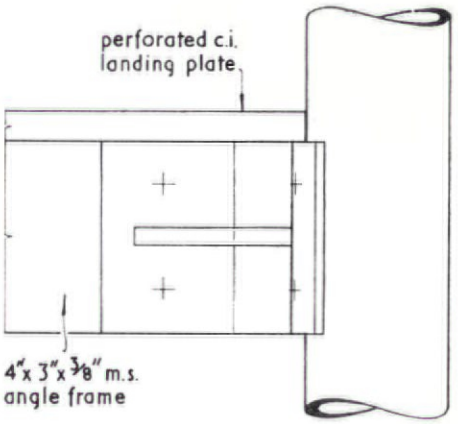
PLAN AND ELEVATION OF STAIRCASE
scale 1/16"= 1'-0"

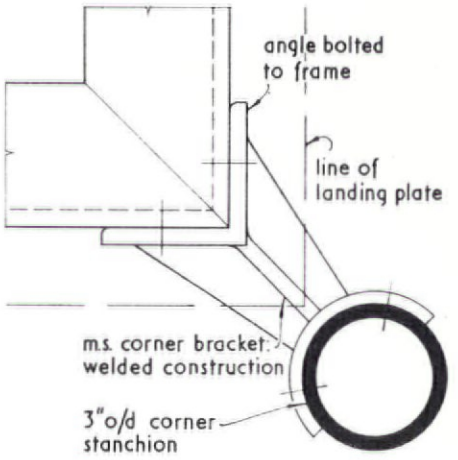
LONGITUDINAL SECTION THRO' STAIR.
scale ¼ full size





CROSS SECTION THRO' STAIR. scale ¼ full size



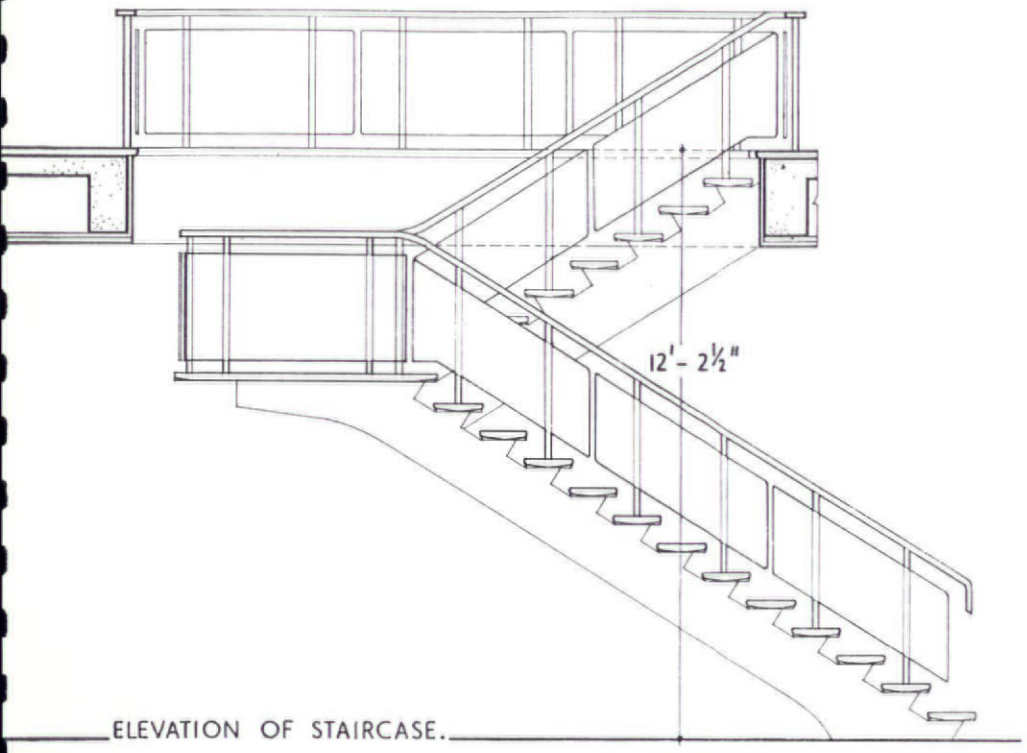


FIXING AT CORNER. scale ¼ full size

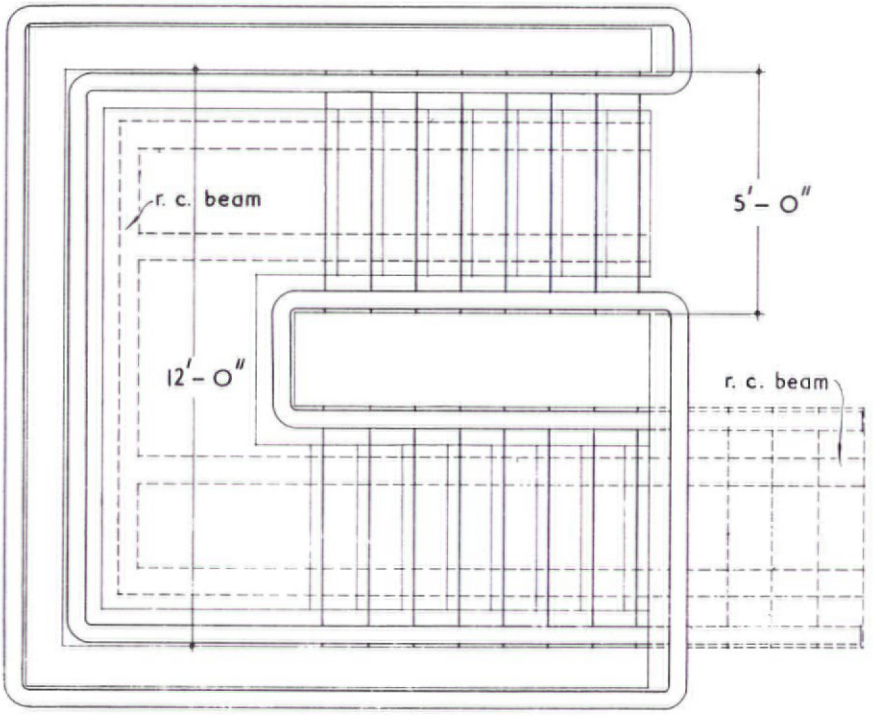
STAIRCASE: SHOP AT BRISTOL

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

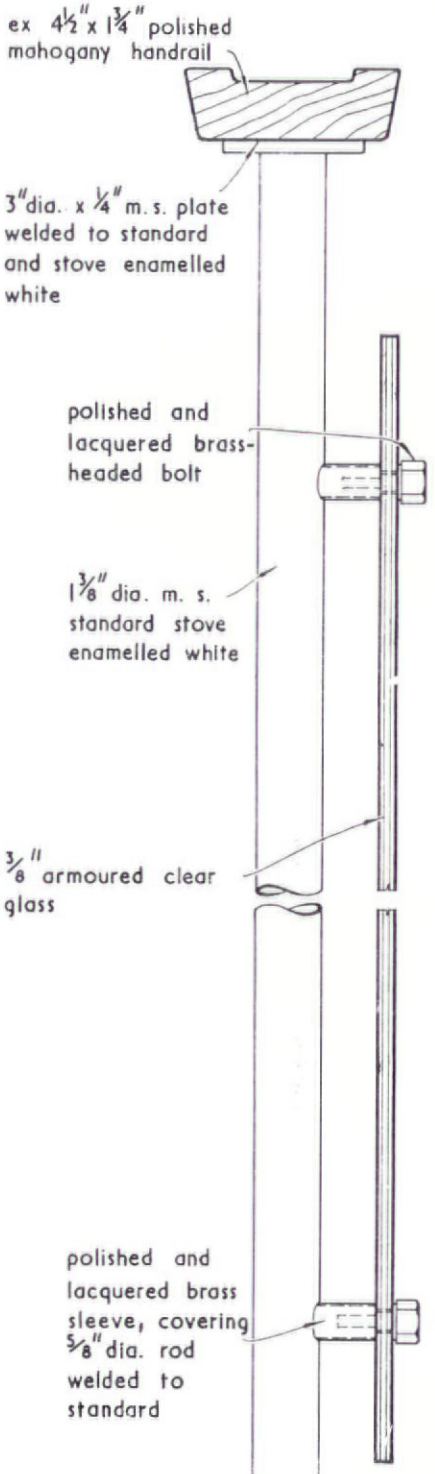
The staircase is supported on two reinforced concrete carriage beams. The hardwood landing is treated in the same way as the treads, having a wide overhang through which the balustrade standards are bolted.

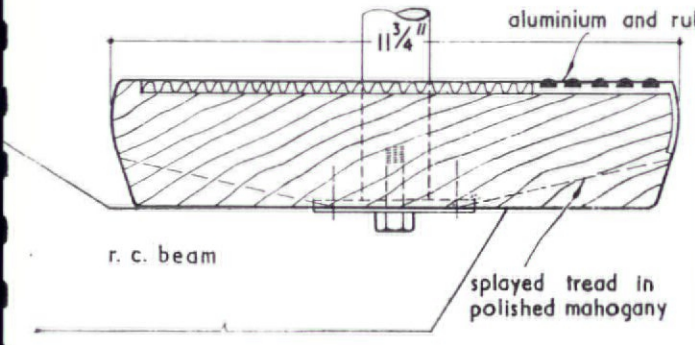


ELEVATION OF STAIRCASE.

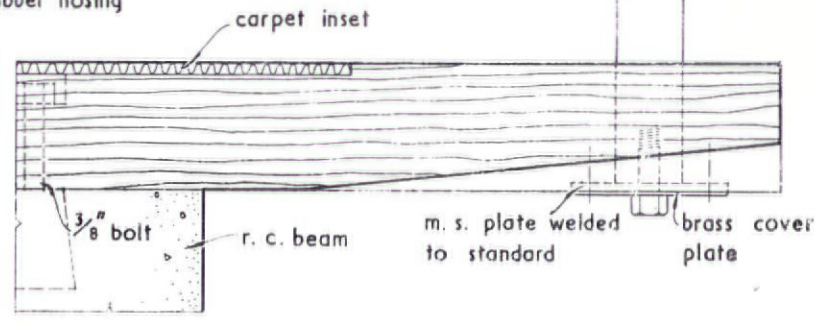


PLAN OF STAIRCASE. scale ¼"= 1'- 0"





SECTION THROUGH TREAD. scale ¼ full size

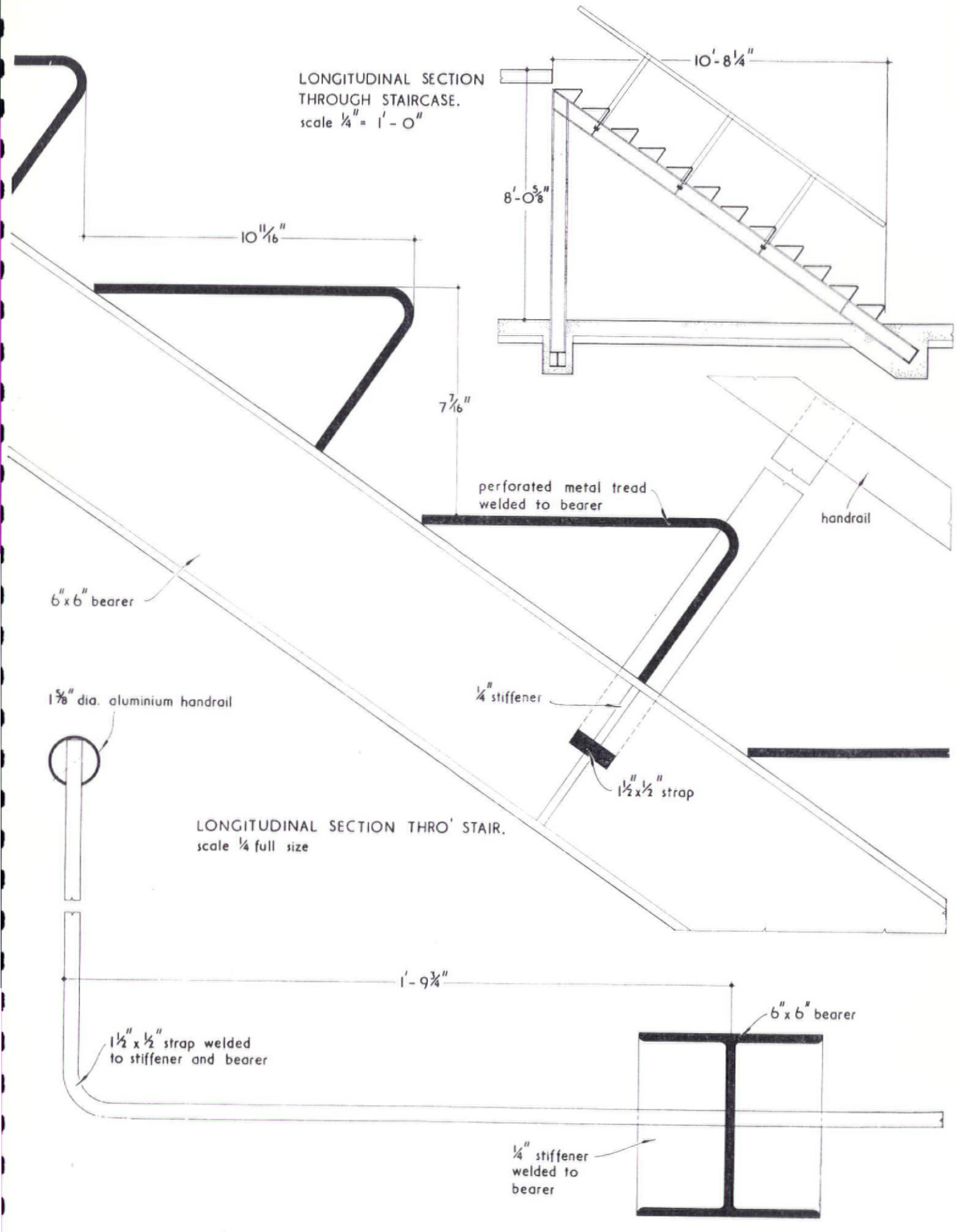


CROSS SECTION THROUGH TREAD AND BALUSTER.

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.

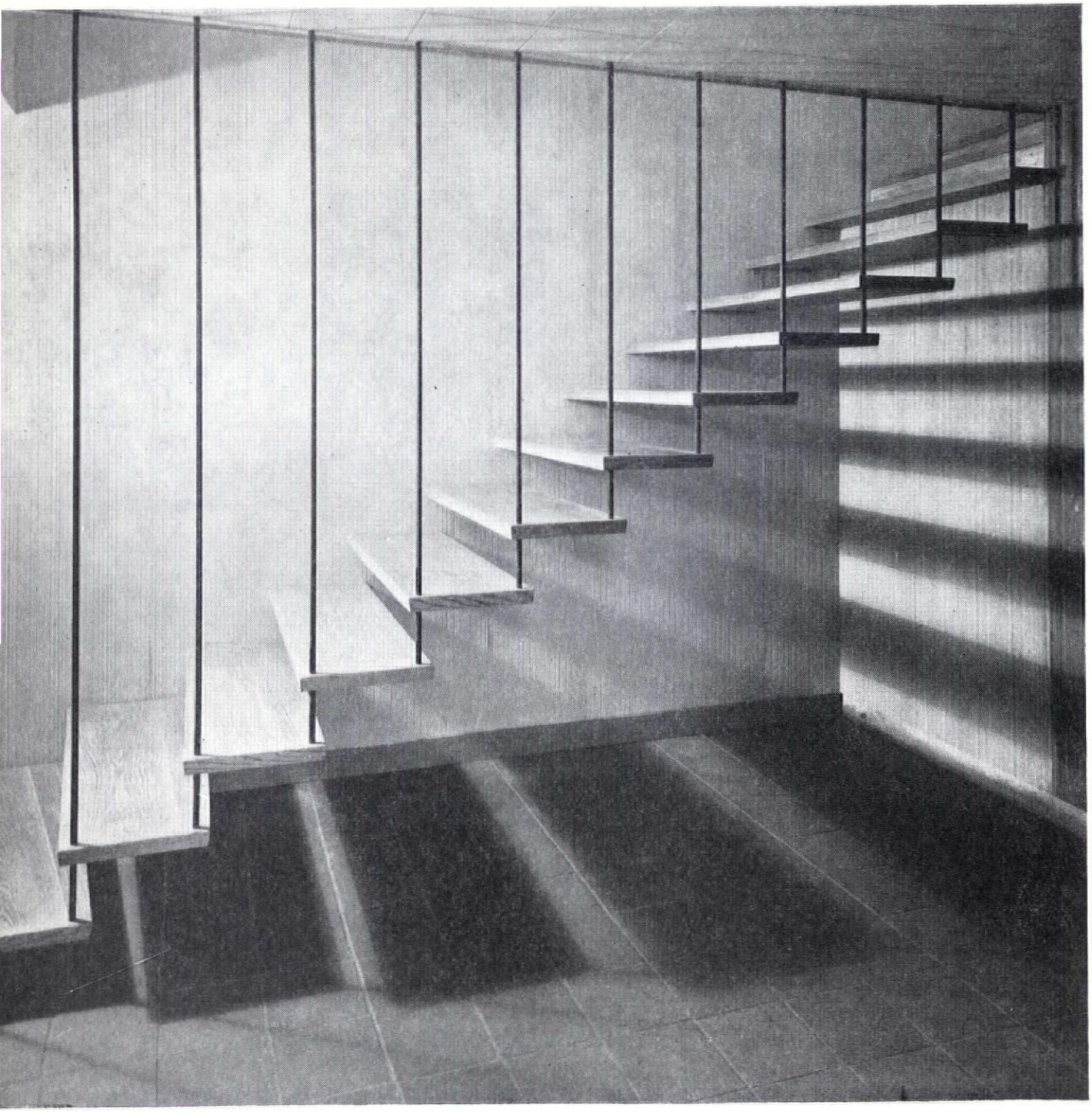


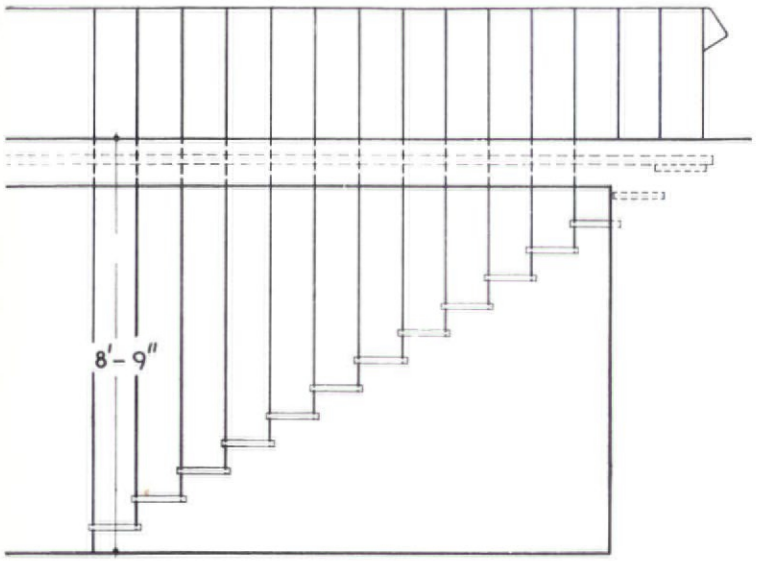
CROSS SECTION THRO' HANDRAIL SHOWING CONNECTION TO BEARER
scale ¼ full size

STAIRCASE: HOUSE IN HANOVER, NEW HAMPSHIRE

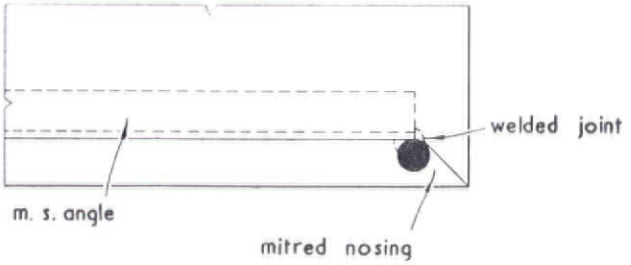
DESIGNED BY E. H. AND M. K. HUNTER

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.

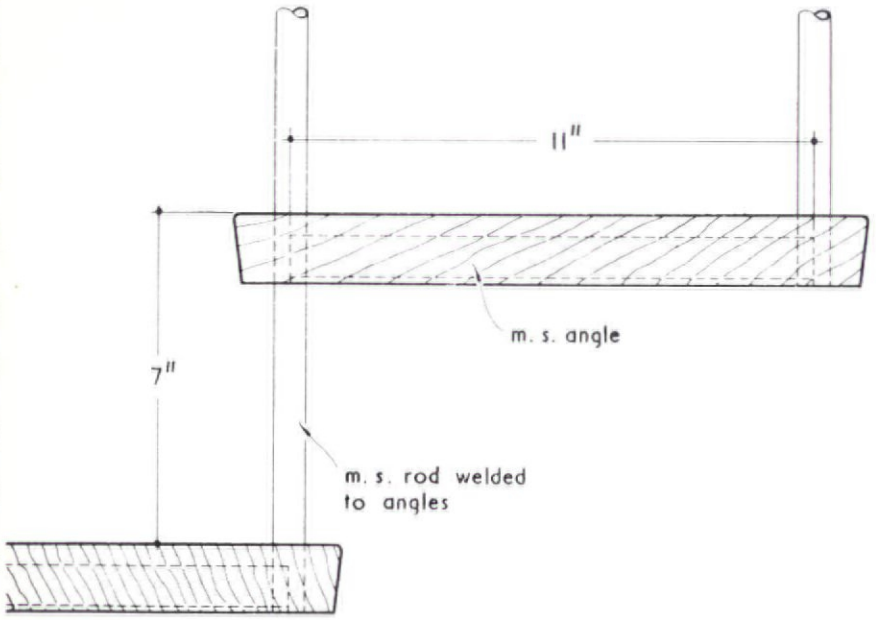




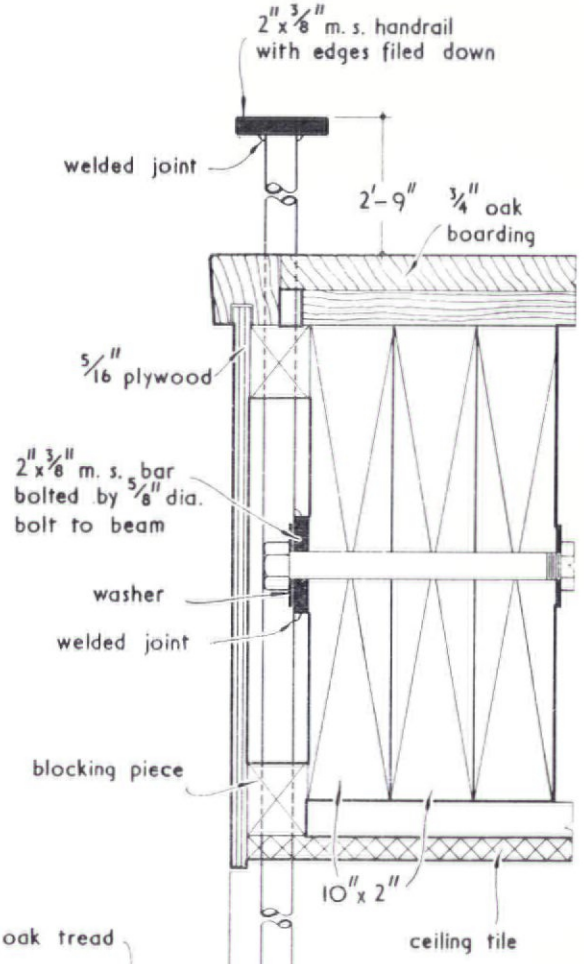
ELEVATION OF STAIR. scale 1/4" = 1'-0"

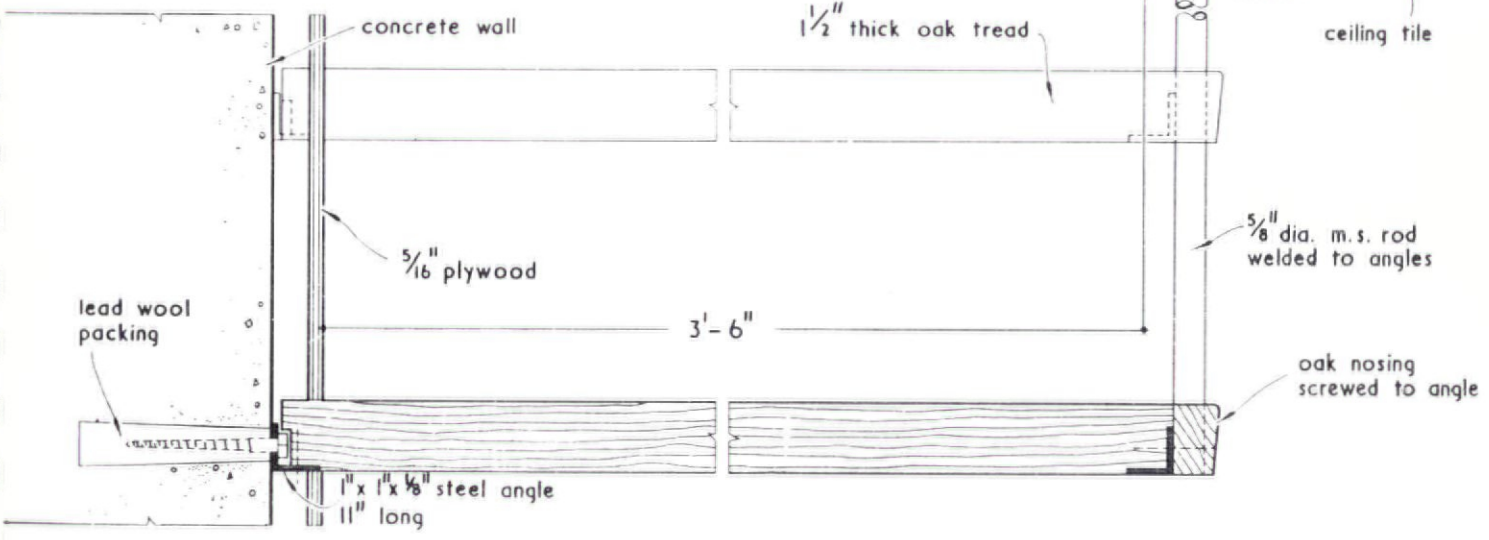


PART PLAN OF TREAD.



LONGITUDINAL SECTION THROUGH STAIR. scale 1/4 full size



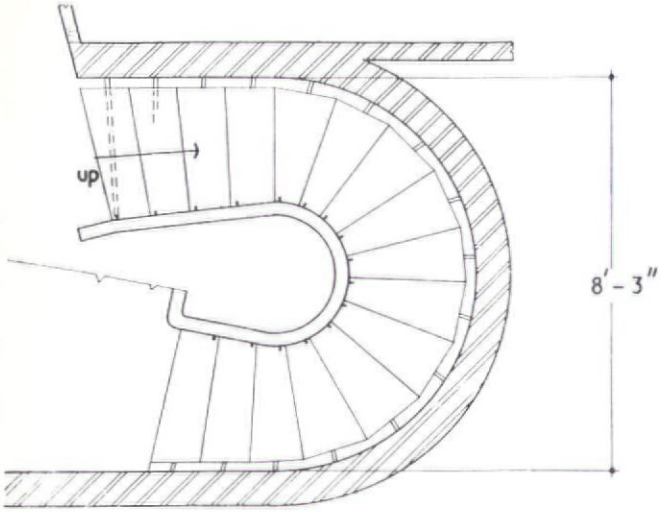


CROSS SECTION THROUGH STAIR AND HANDRAIL. scale 1/4 full size

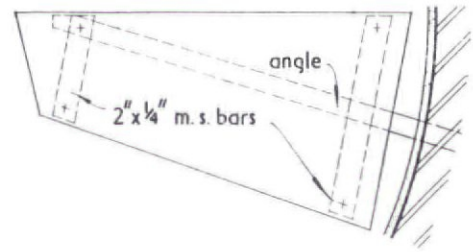
STAIRCASE: OFFICES IN LONDON, S.W.1

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

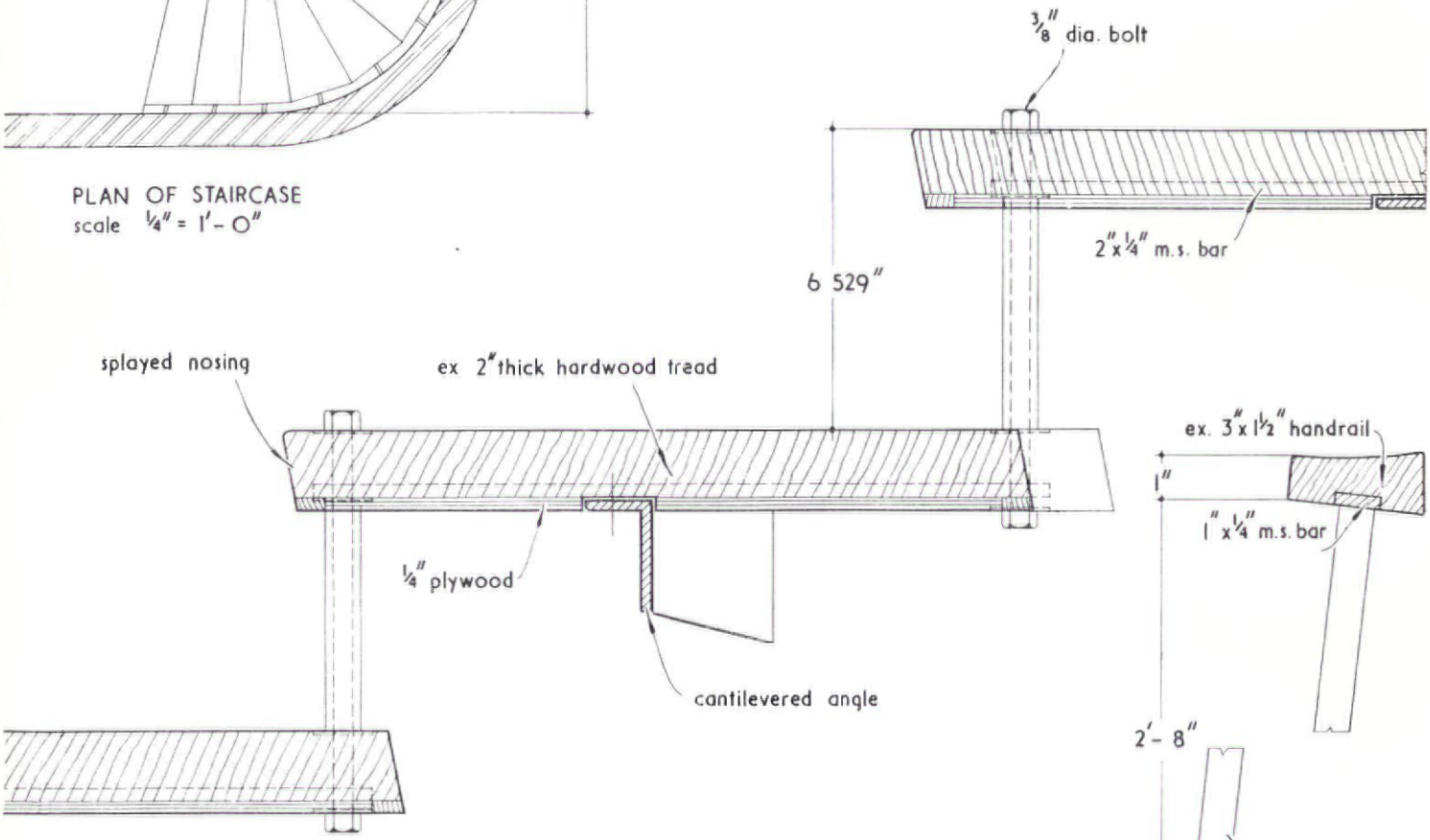
The hardwood treads are supported on brackets cantilevered from the semi-circular staircase wall.



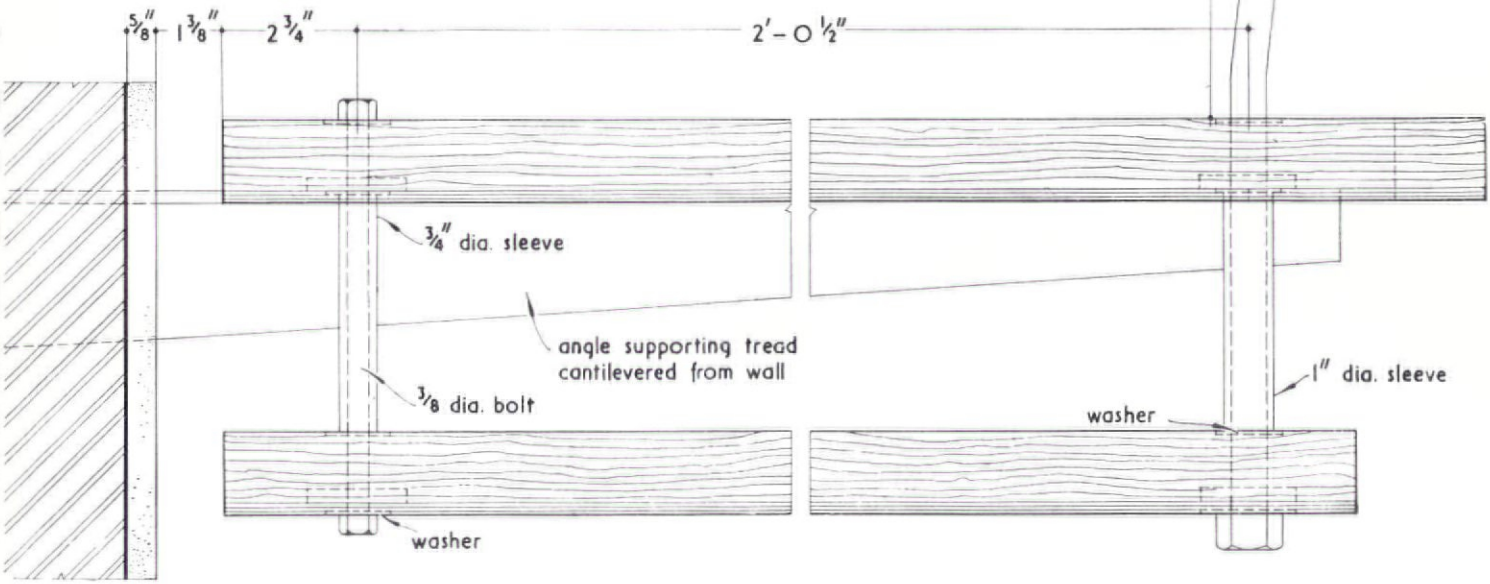
PLAN OF STAIRCASE
scale 1/4" = 1'-0"



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



LONGITUDINAL SECTION THROUGH STAIR scale 1/4 full size

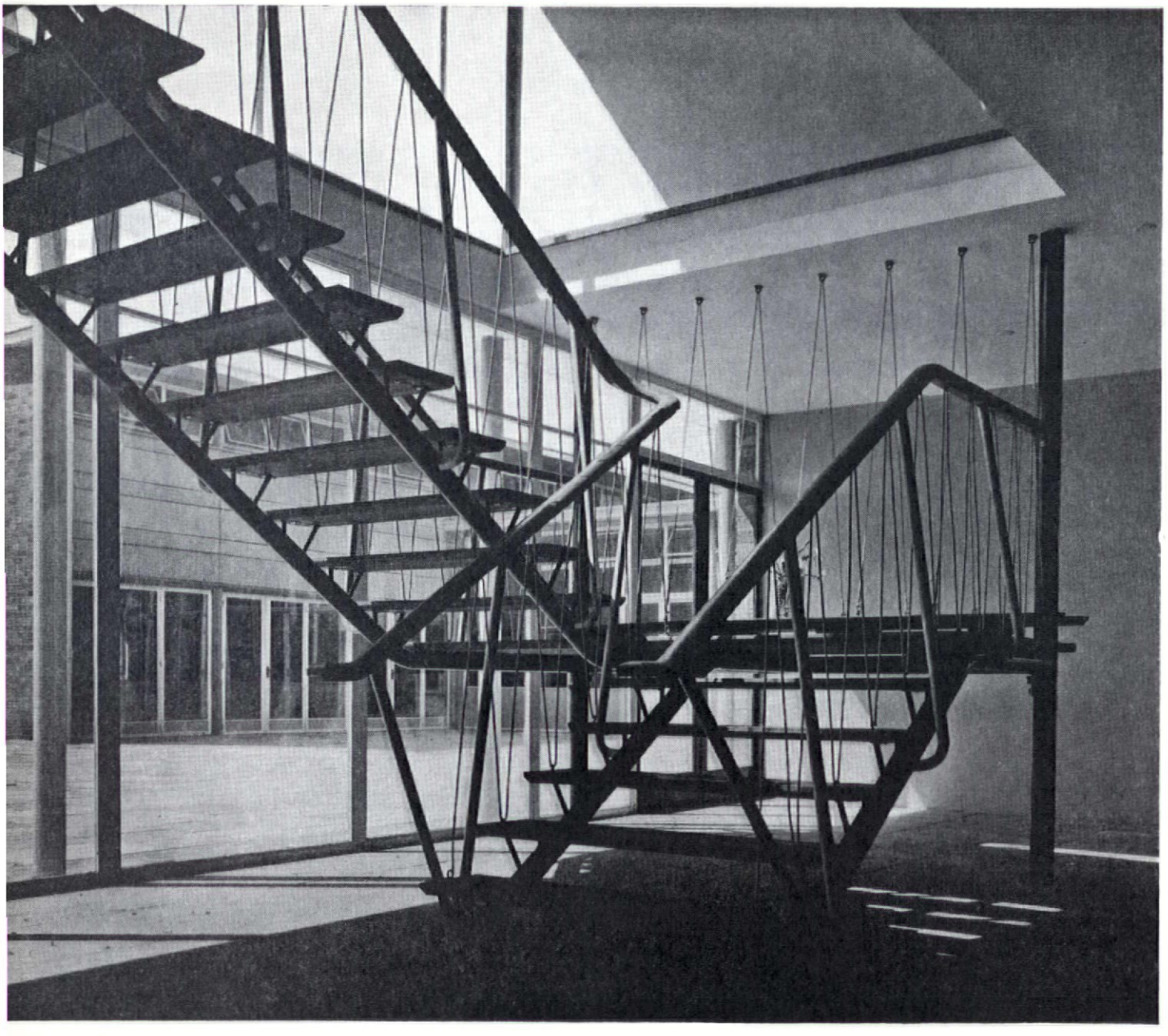


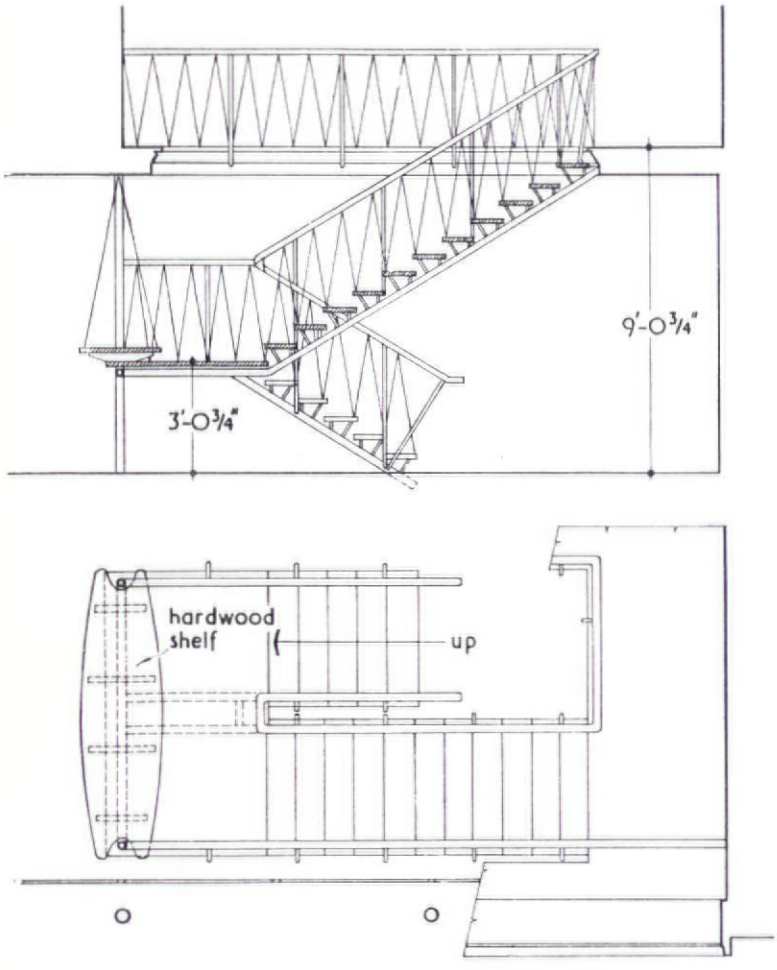
CROSS SECTION THROUGH STAIR. scale 1/4 full size

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.





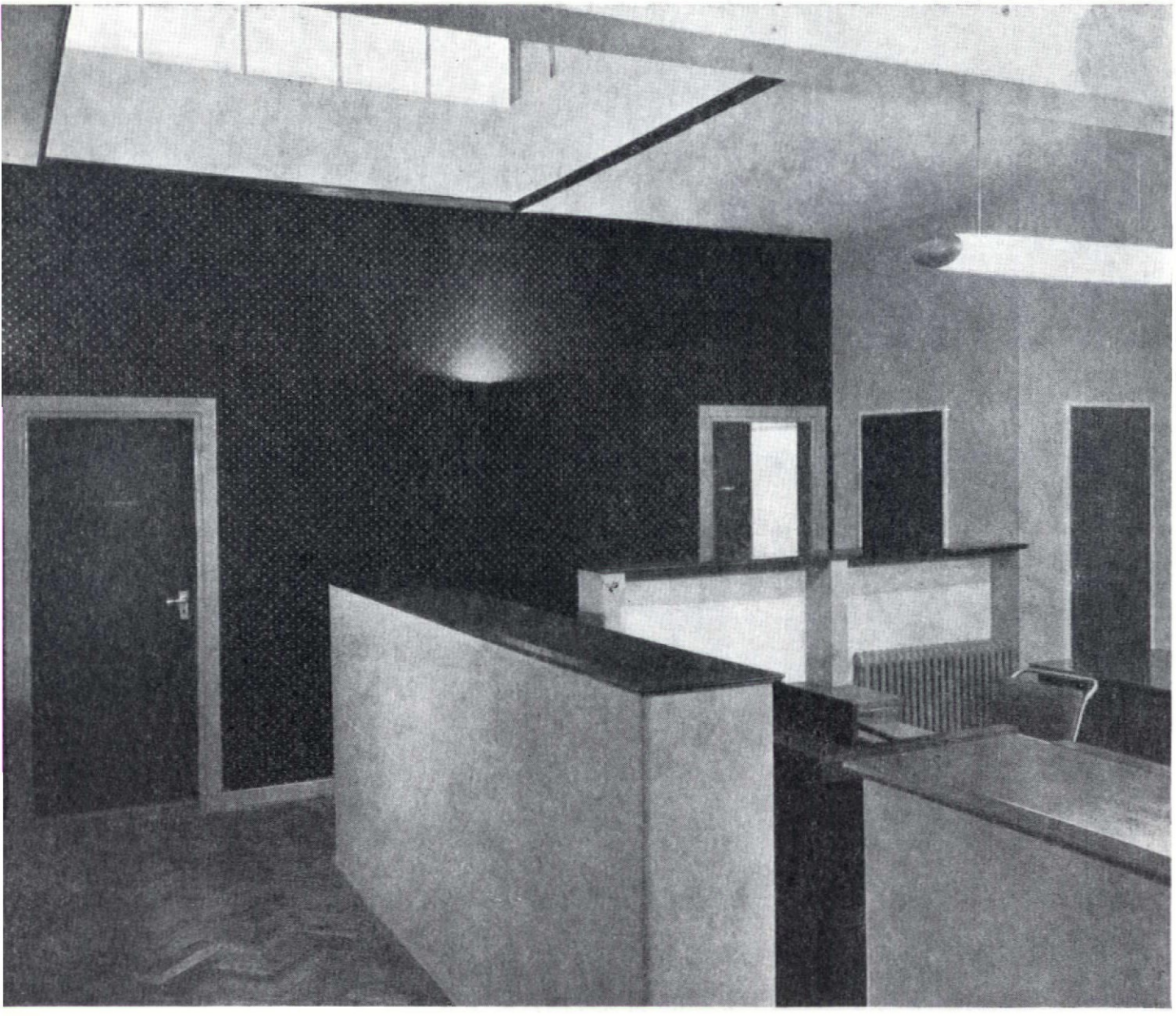
PLAN AND SECTION OF STAIRCASE.
scale 3/16" = 1'-0"

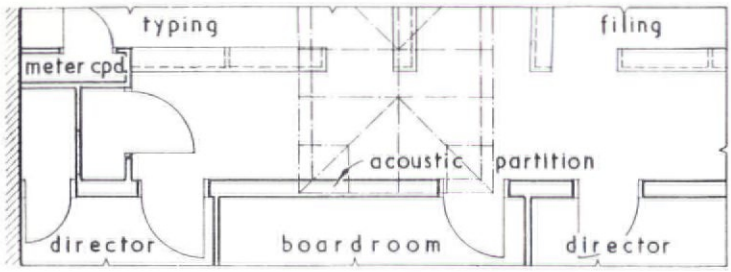
SECTION THRO' FIRST FLOOR LANDING. scale 1/4 full size

SECTION THRO' STRING. scale 1/4 full size

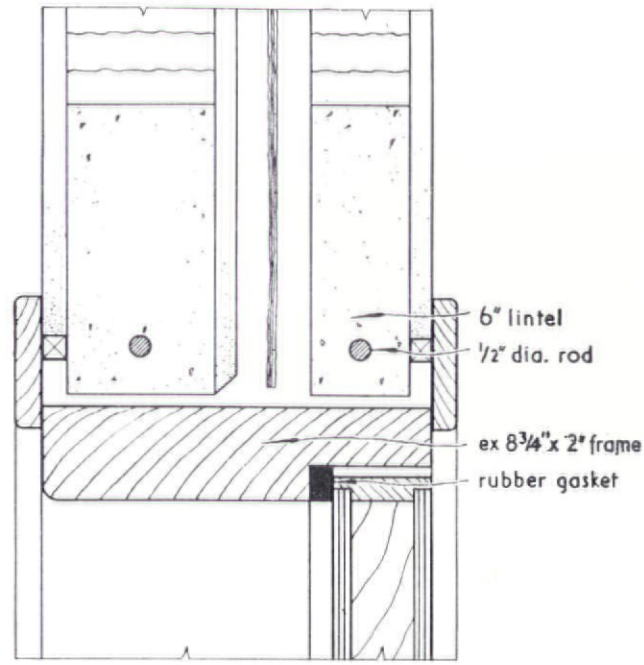
ACOUSTIC PARTITION: OFFICES IN LONDON, W.1
DESIGNED BY J. M. AUSTIN-SMITH AND PARTNER

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

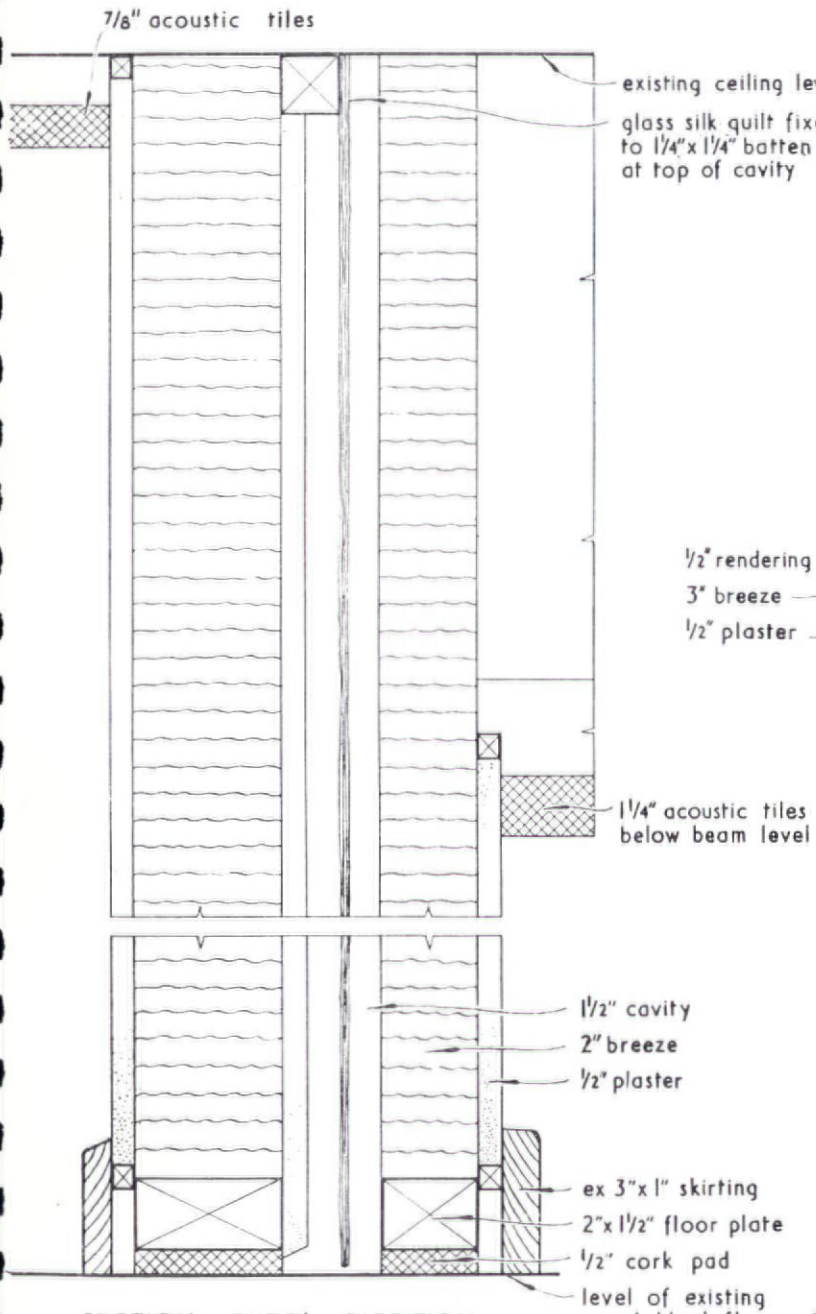




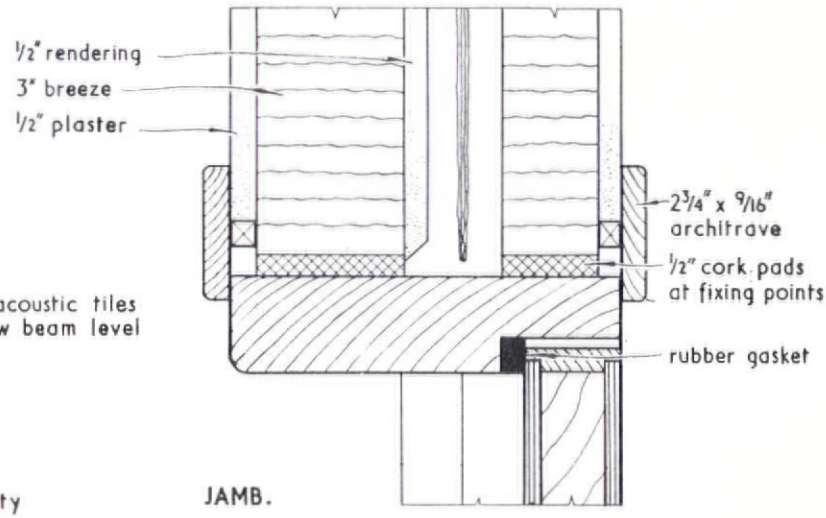
LAYOUT PLAN SHOWING ACOUSTIC PARTITION.
scale 1/8" = 1'-0"



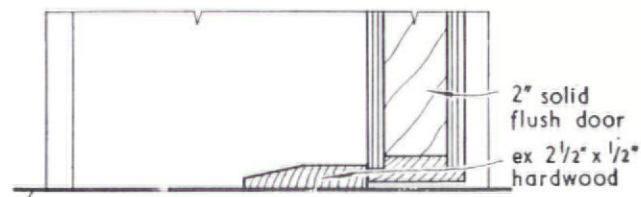
HEAD.



SECTION THRO' PARTITION.
scale 1/4 full size



JAMB.



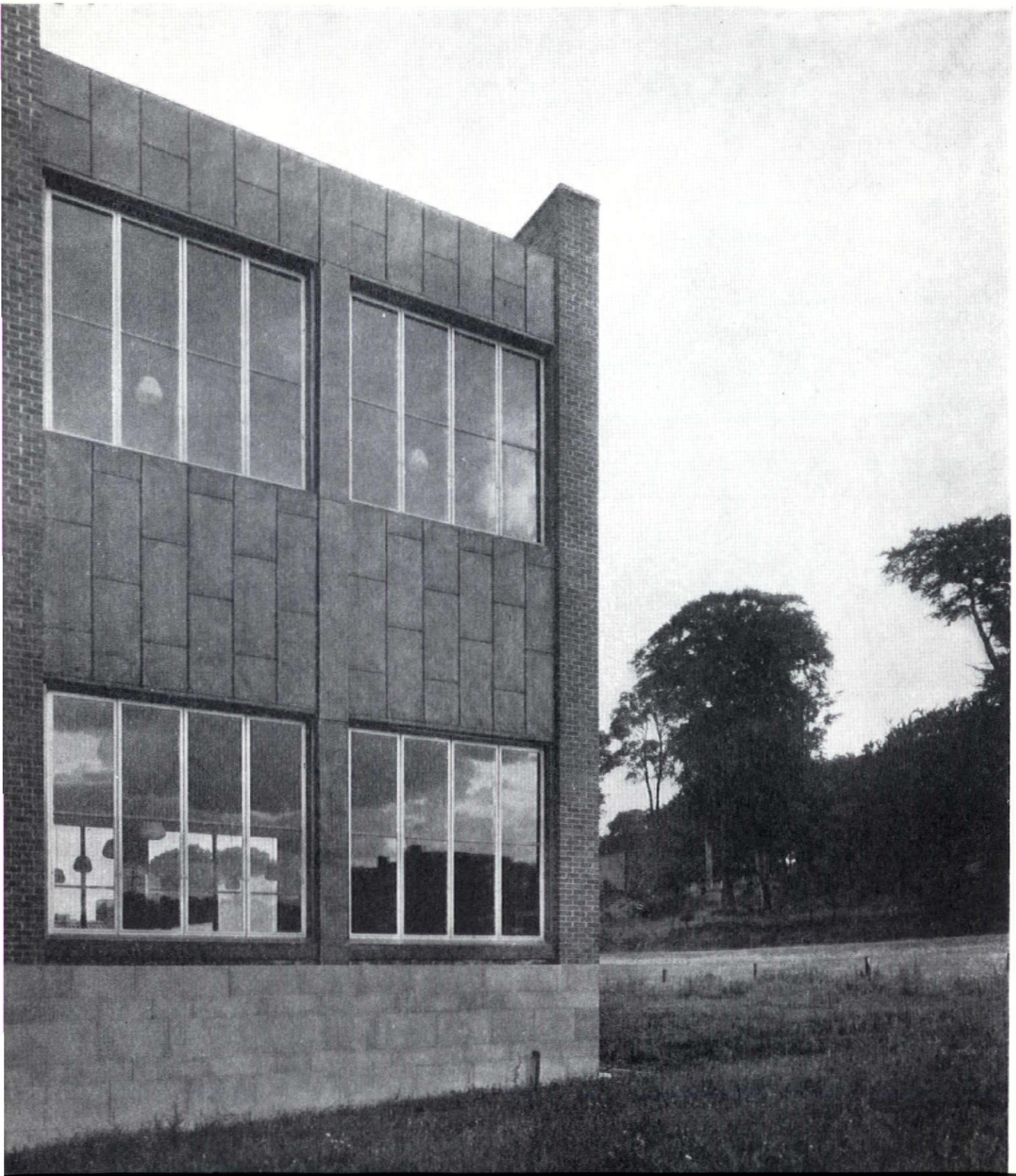
THRESHOLD

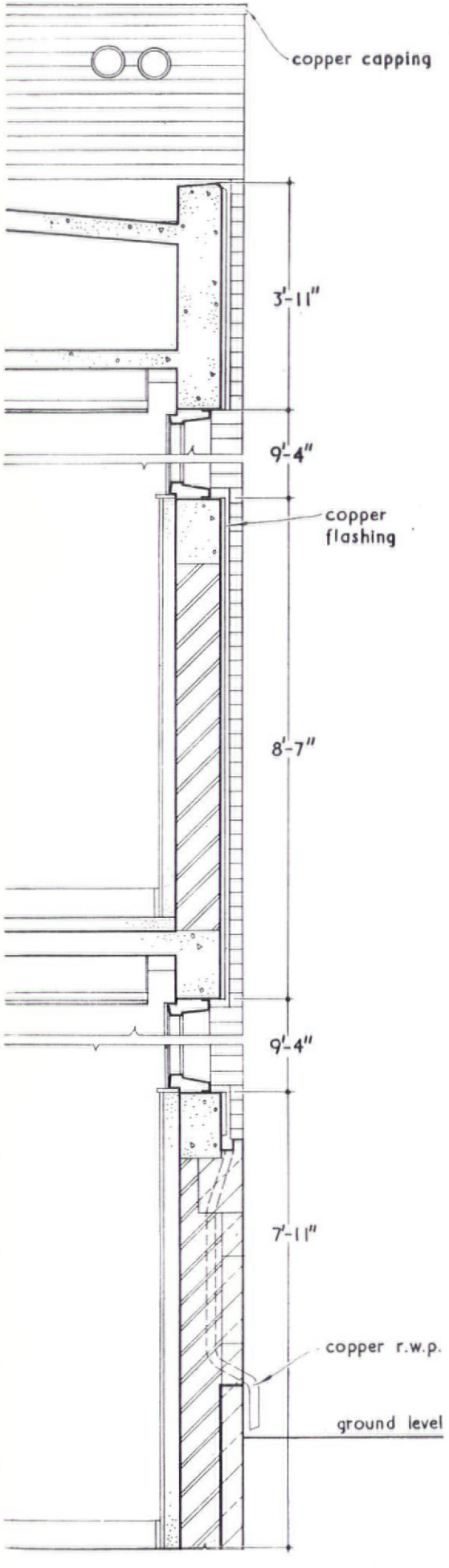
DETAILS OF DOOR.
scale 1/4 full size

COPPER-FACED WALL: EXTENSIONS TO UNIVERSITY OF DURHAM

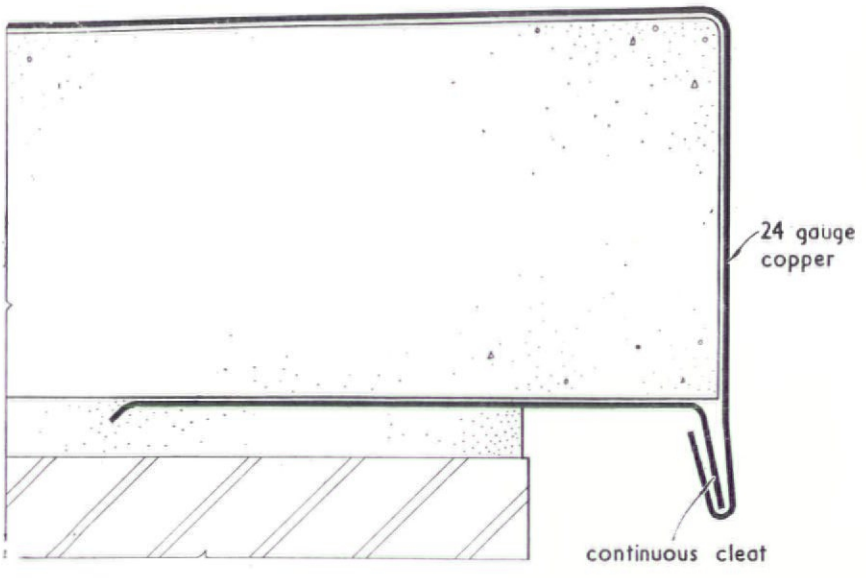
DESIGNED BY J. S. ALLEN; OSCAR FABER AND PARTNERS (consulting engineers)

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

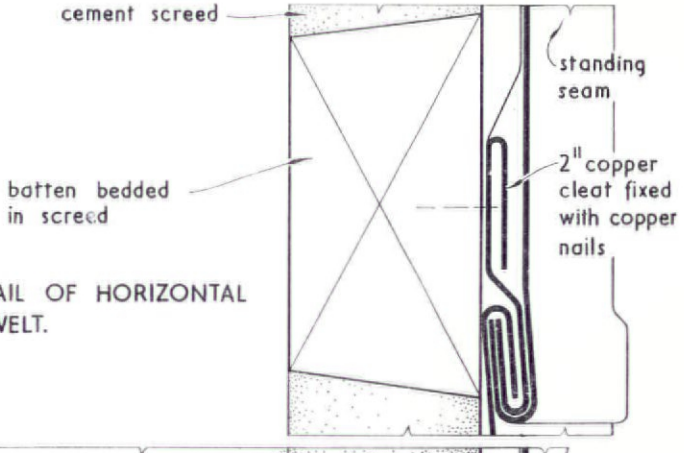




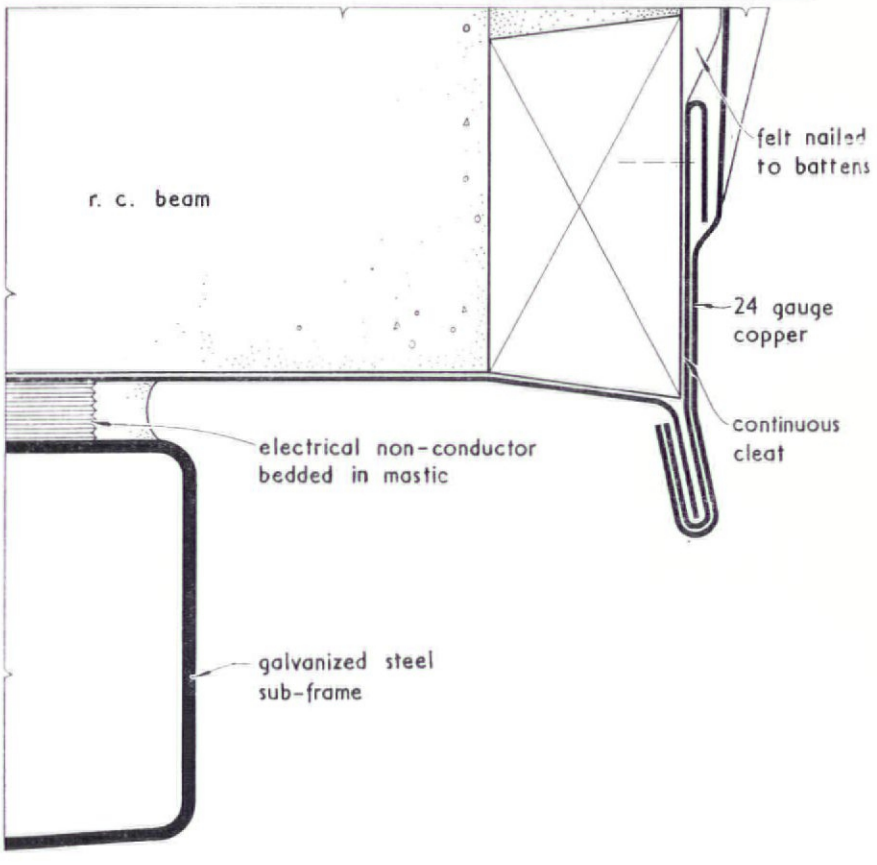
VERTICAL SECTION. scale $\frac{3}{8}'' = 1' - 0''$



FULL SIZE DETAIL OF COPING.



FULL SIZE DETAIL OF HORIZONTAL SINGLE-LOCK WELT.

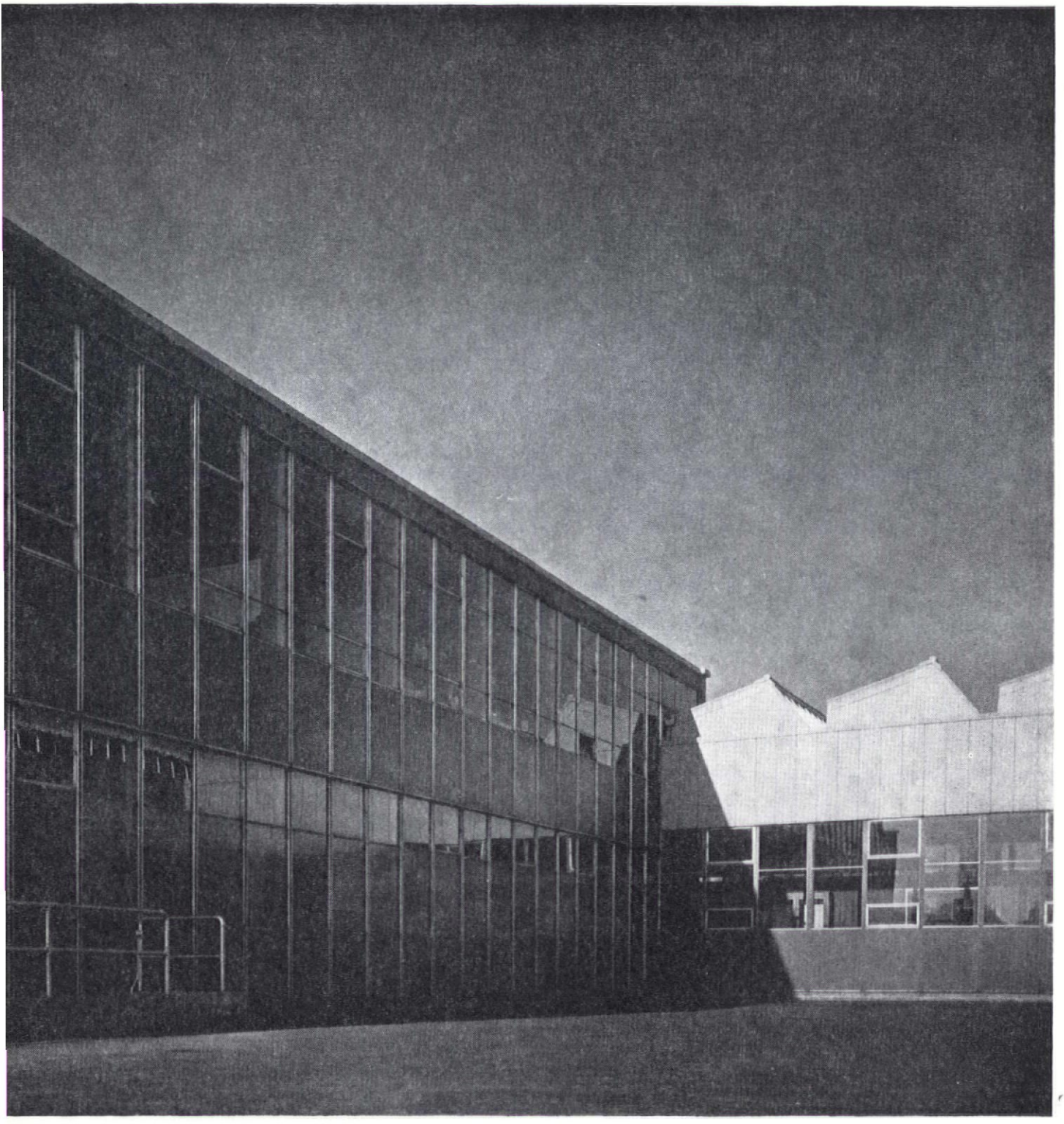


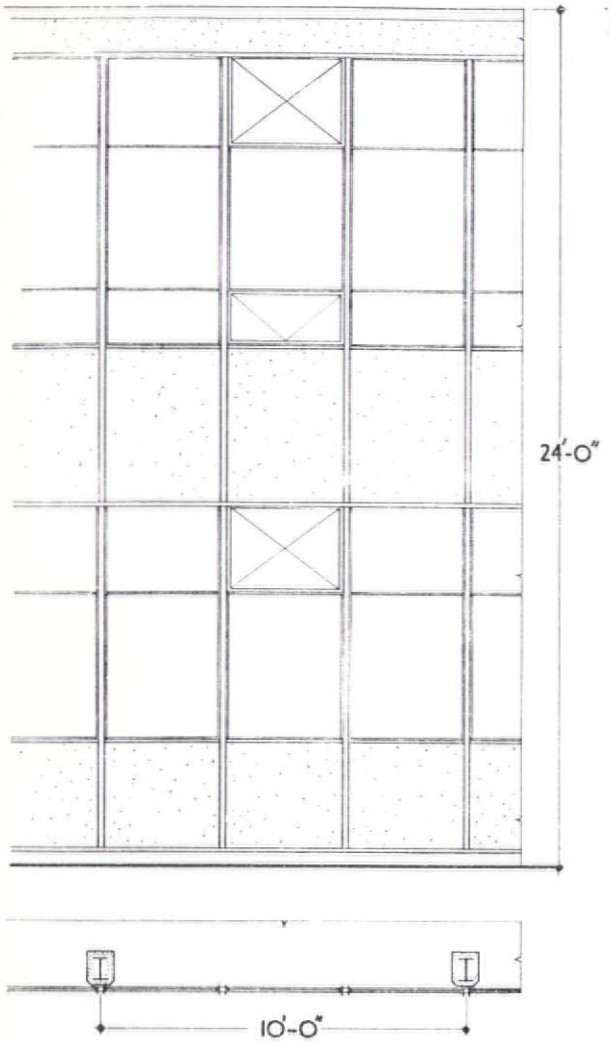
FULL SIZE DETAIL AT HEAD OF WINDOW.

GLAZED PANEL WALL: TECHNICAL COLLEGE AT FOLKESTONE

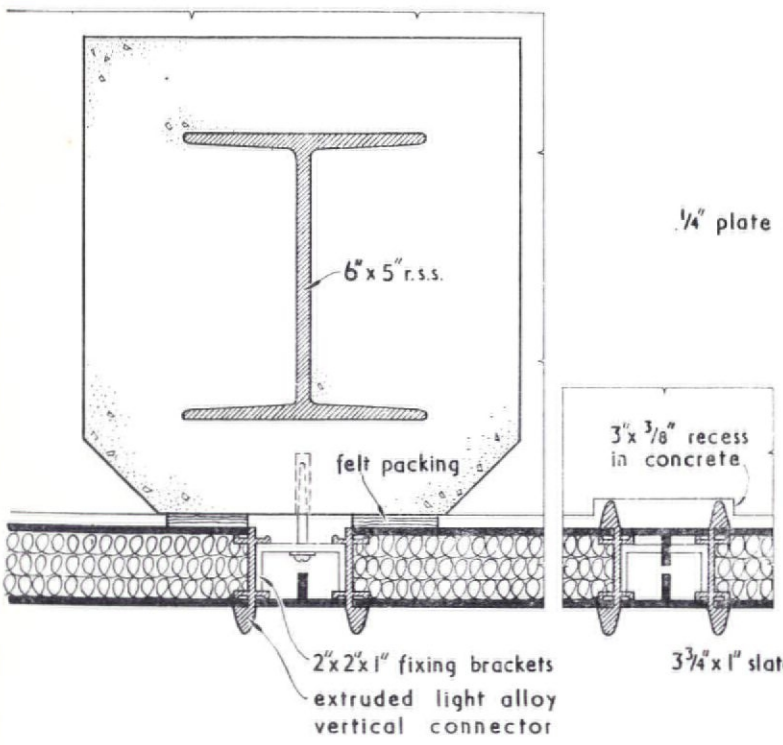
DESIGNED BY S. H. LOWETH (architect to the Kent County Council); J. H. GARNHAM WRIGHT (architect-in-charge); W. A. SHIRBON (executive assistant)

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

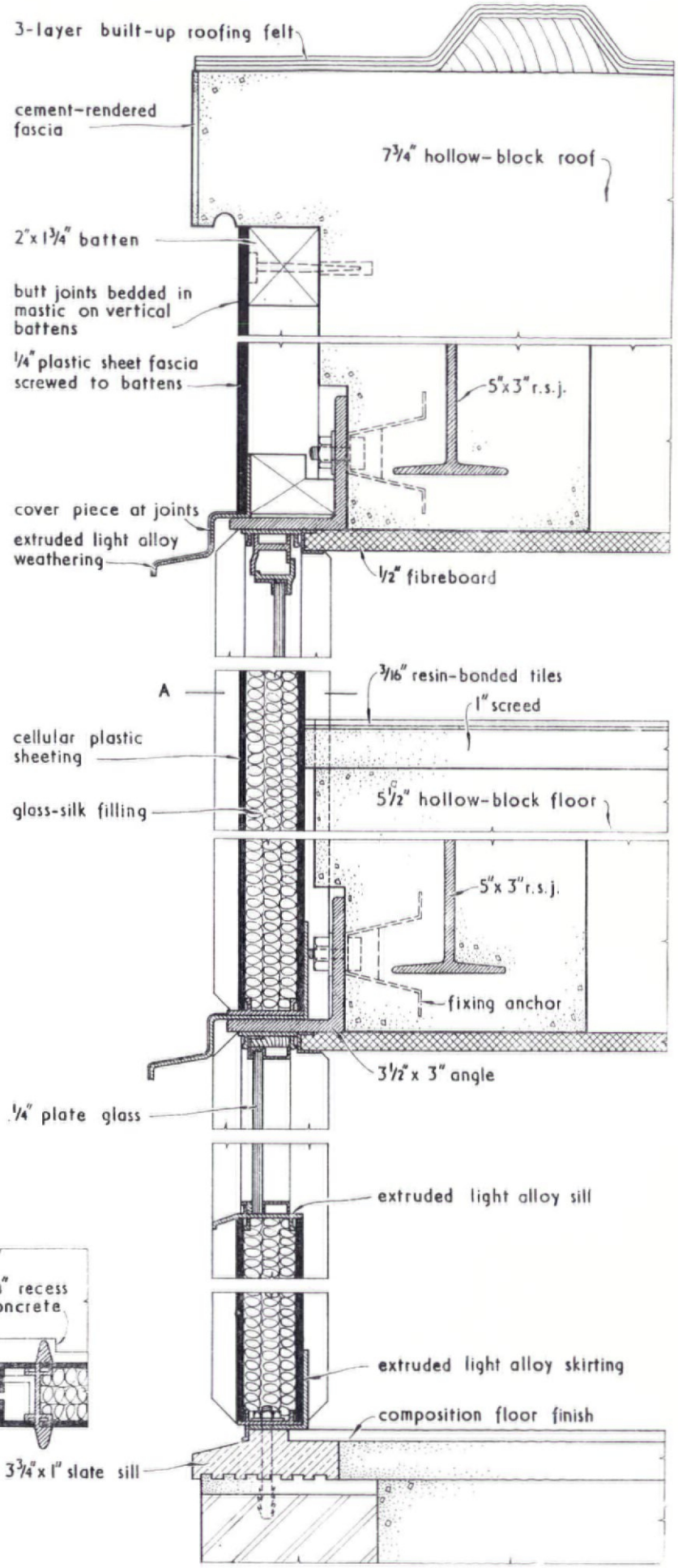




PLAN AND ELEVATION OF CURTAIN WALL. scale 3/16" = 1'-0"



PLAN AT A. scale 1/4 full size

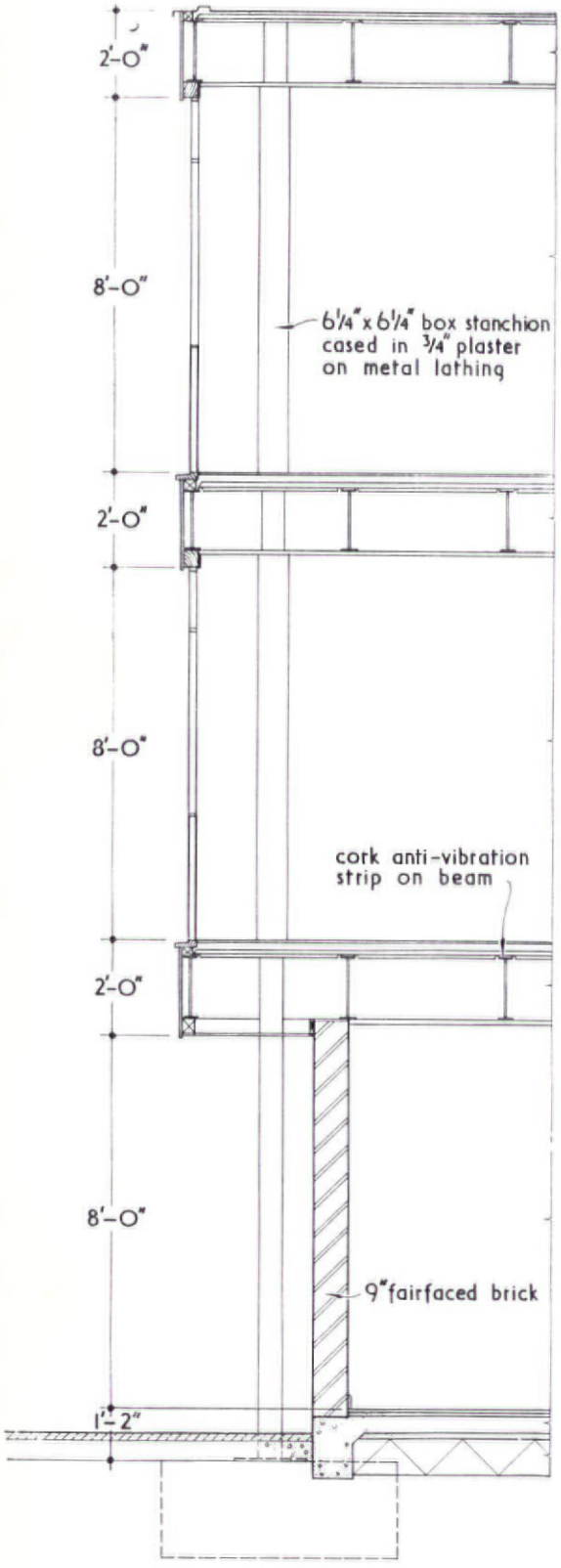


SECTION THRO' WALL. scale 1/4 full size

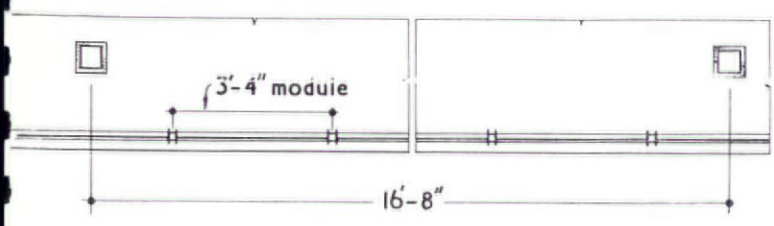
GLAZED PANEL WALL: SCHOOL AT OXHEY

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

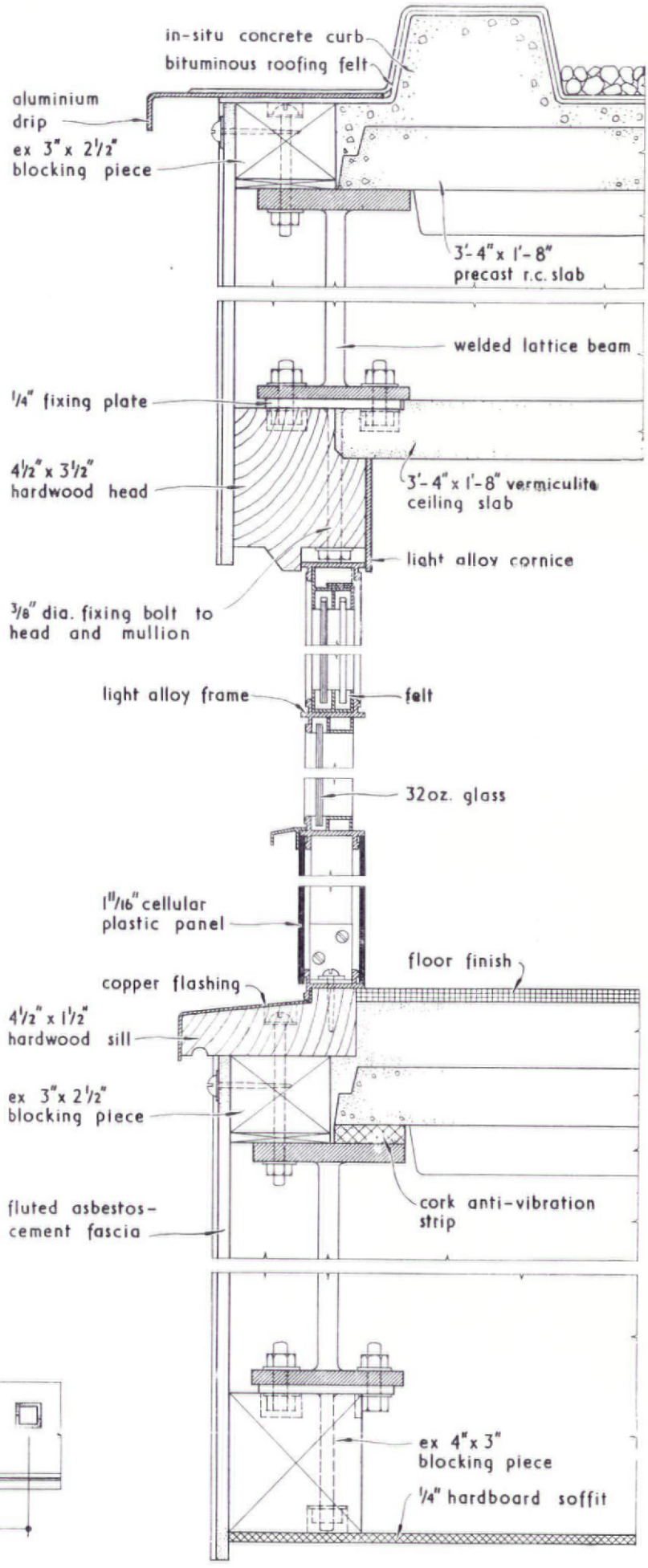
The walls, built clear of the stanchions, are composed of glass and cellular plastic sheeting in light alloy frames.



KEY SECTION. scale ¼" = 1'-0"



PLAN OF BAY. scale ¼" = 1'-0"

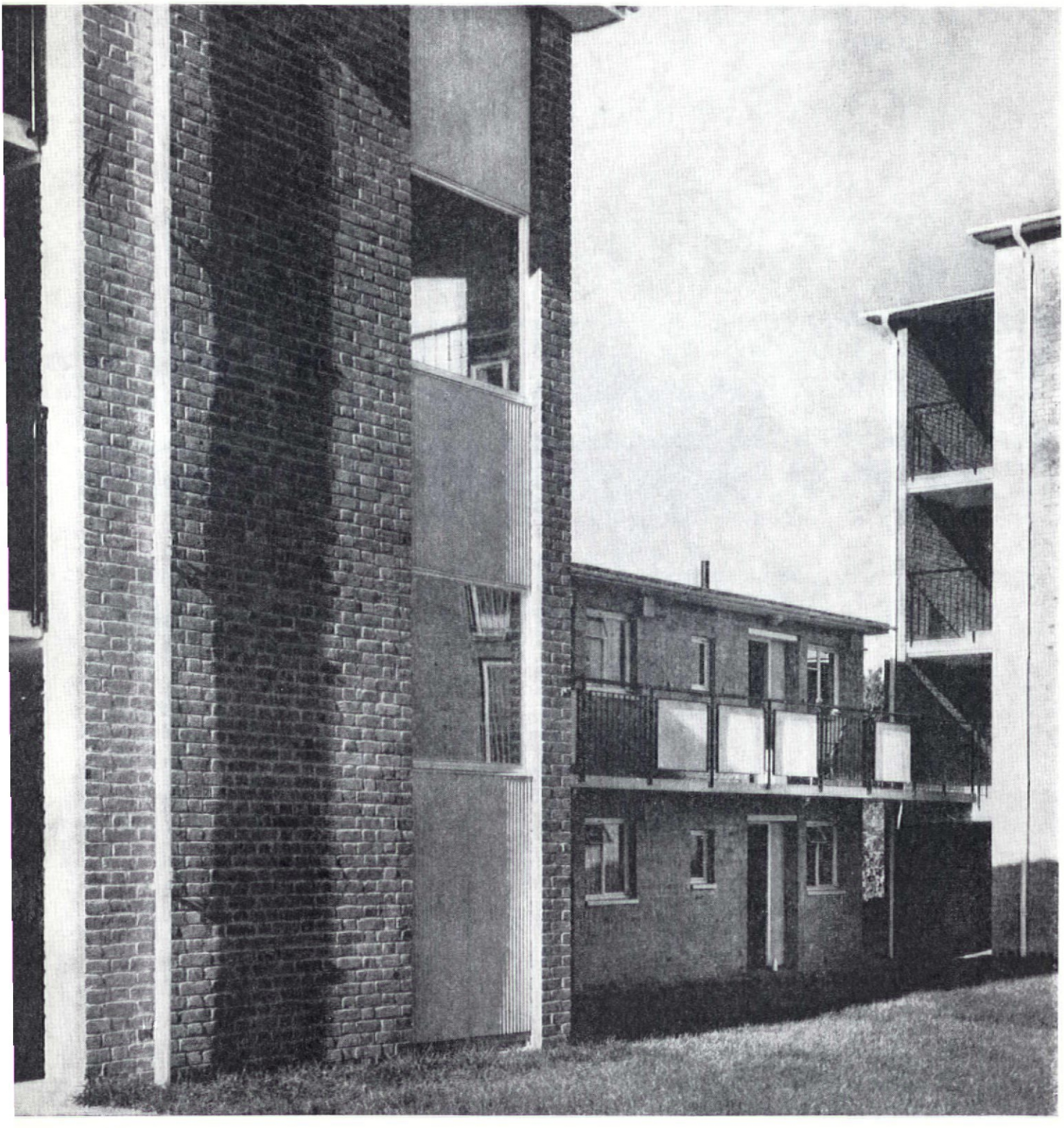


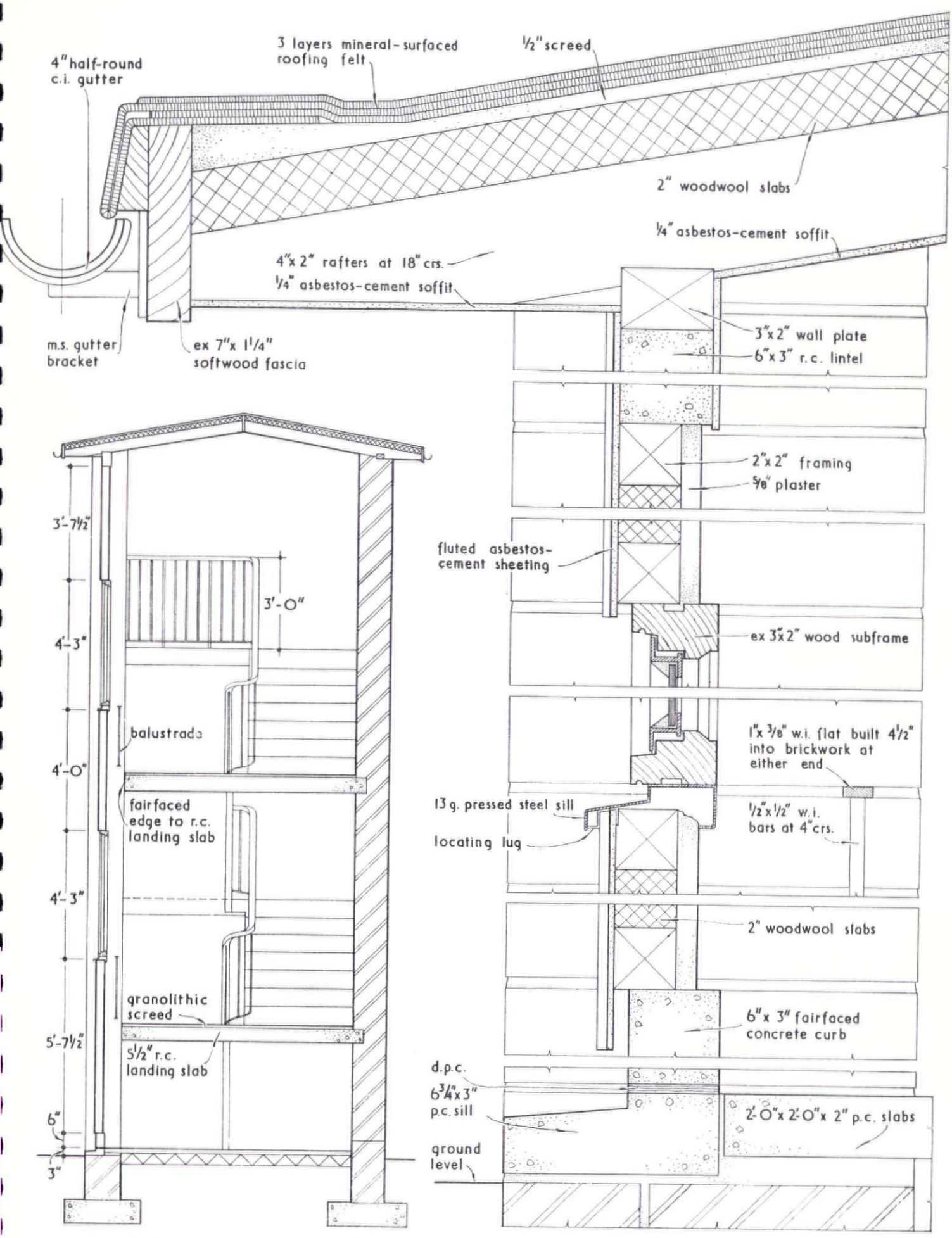
SECTION THRO' GLAZING. scale ¼ full size

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





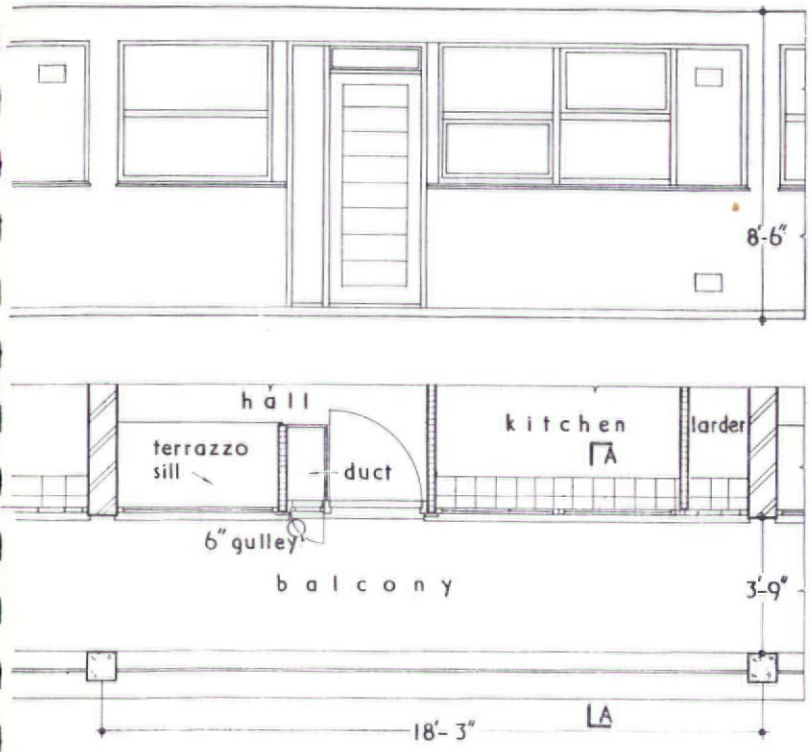
SECTION THRO' STAIRCASE. scale ¼"= 1'-0"

SECTION THRO PANEL WALL. scale ¼ full size

WALL AND BALCONIES: MAISONETTES 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



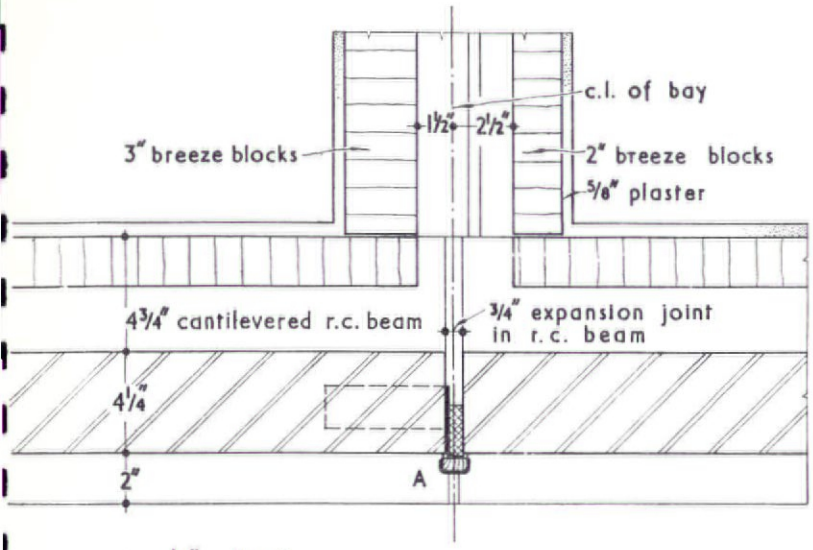
PLAN AND ELEVATION AT BALCONY scale 3/16" = 1'-0"

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

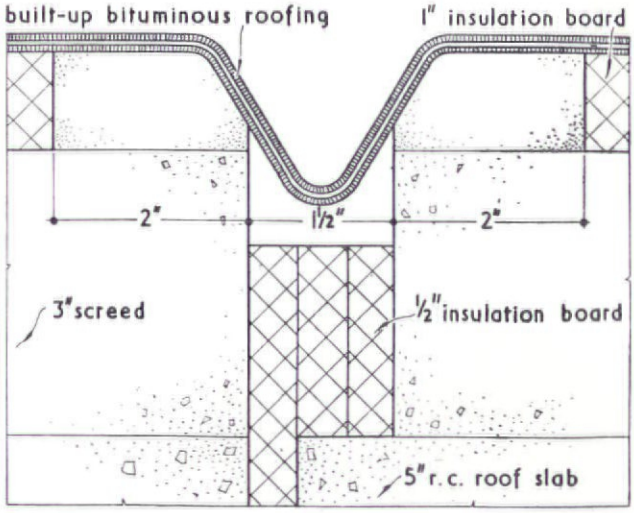
EXPANSION JOINT: FLATS AT ILFORD, ESSEX

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

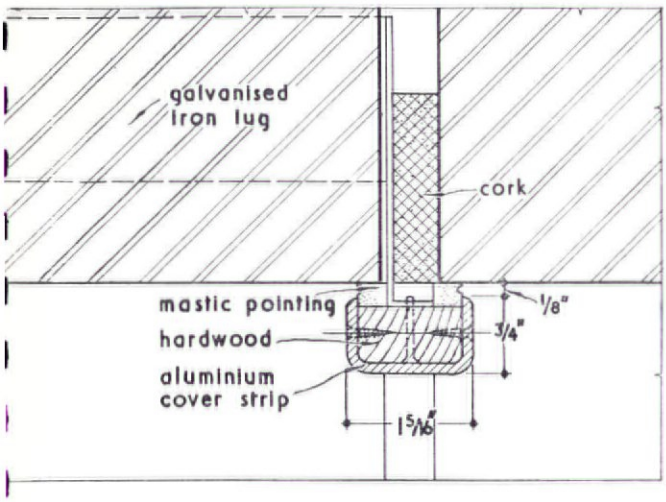
The expansion joint is clearly visible in the brickwork between the windows and continues through the mullion



scale 1½" = 1'-0"

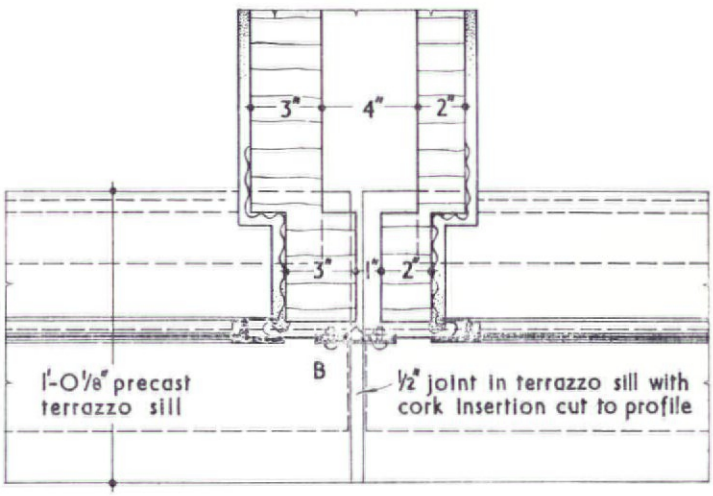


DETAIL AT ROOF. scale ½ full size

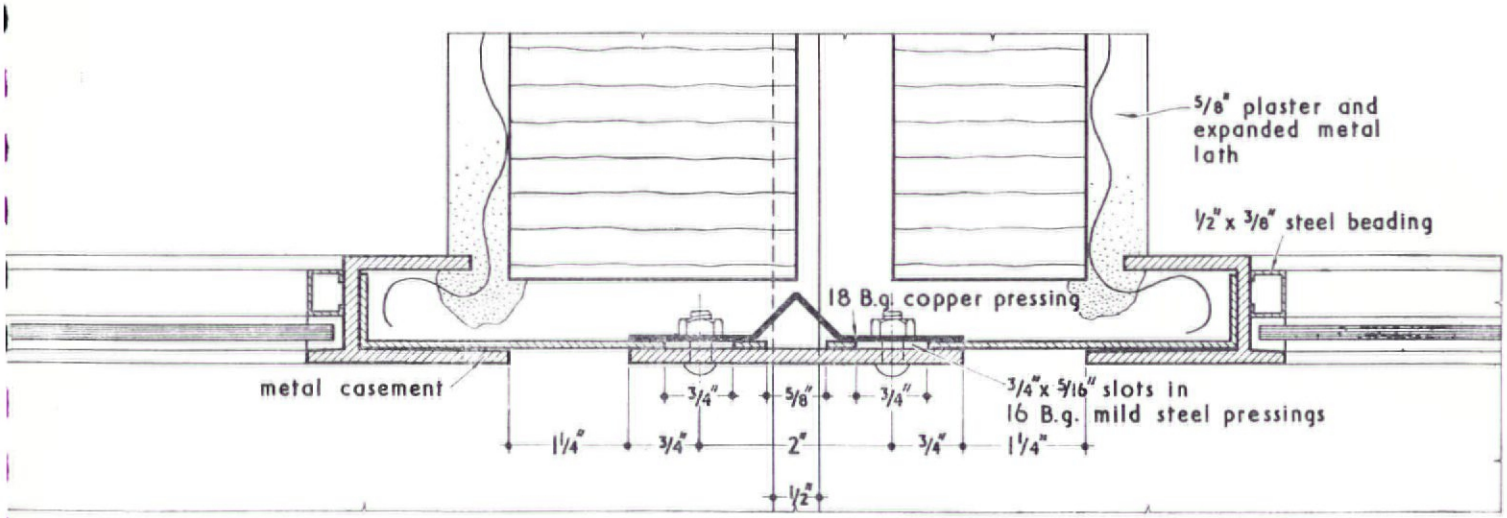


detail at A scale ½ full size

EXPANSION JOINT AT WALL PANEL.



scale 1½" = 1'-0"



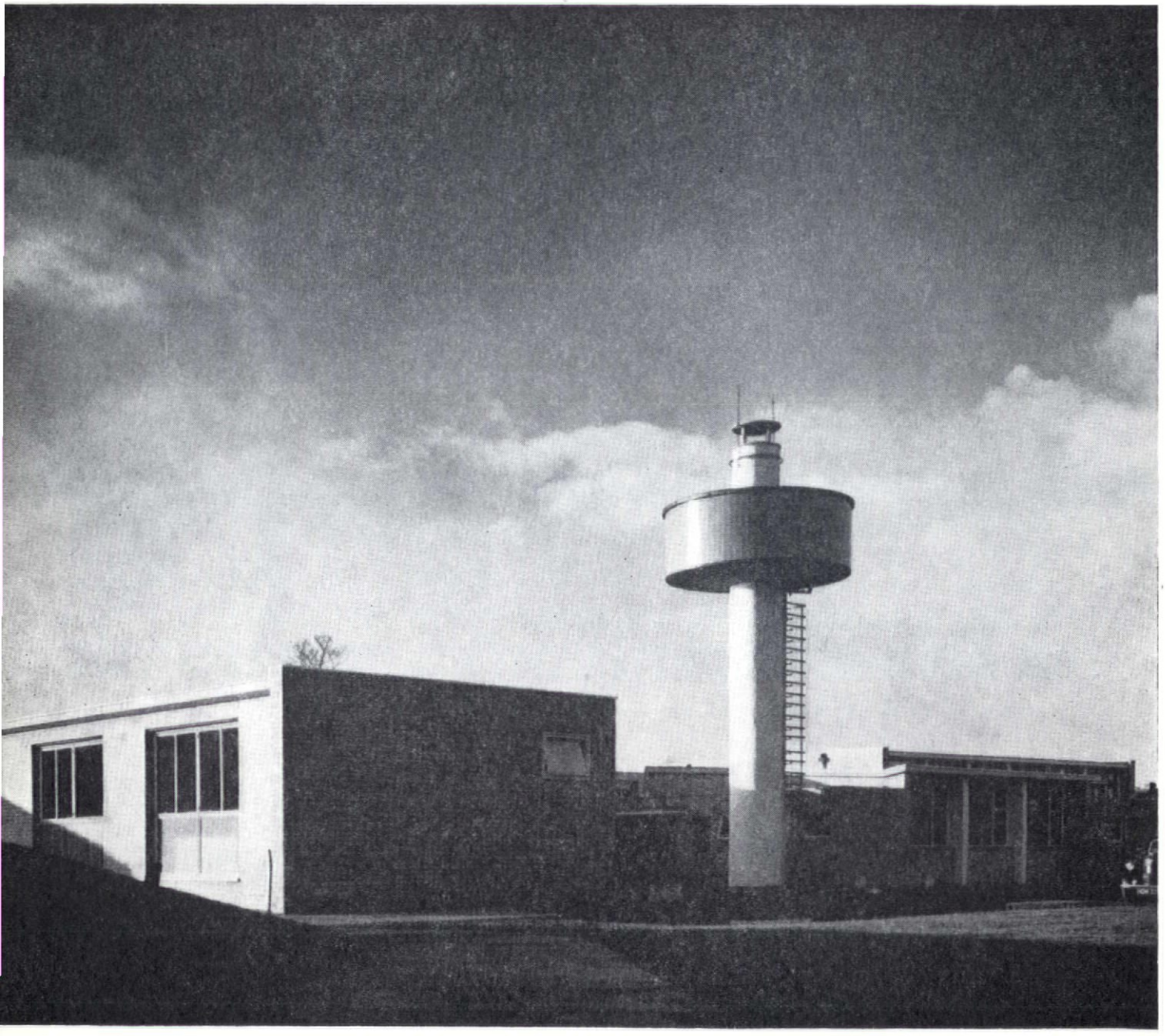
detail at B scale ½ full size

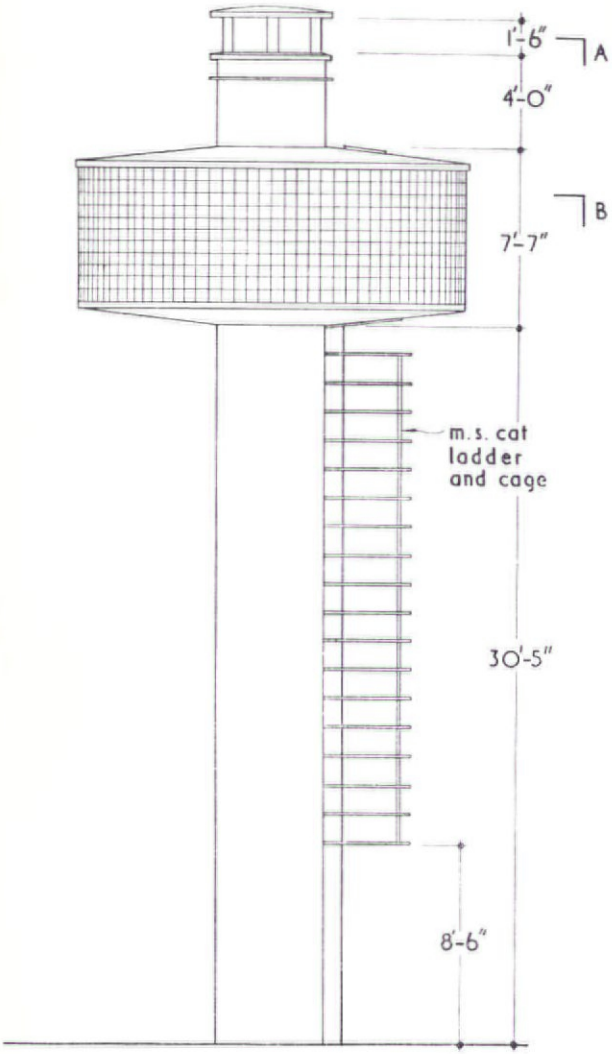
EXPANSION JOINT AT MULLION.

CHIMNEY STACK AND WATER TANK: SCHOOL AT OLDBURY, WORCESTER

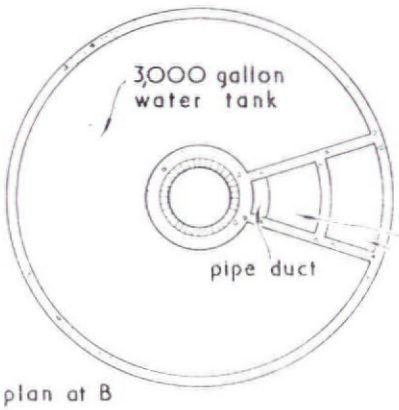
DESIGNED BY F. R. S. YORKE, E. ROSENBERG AND C. S. MARDALL
IN ASSOCIATION WITH F. W. B. YORKE AND H. M. BARKER

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



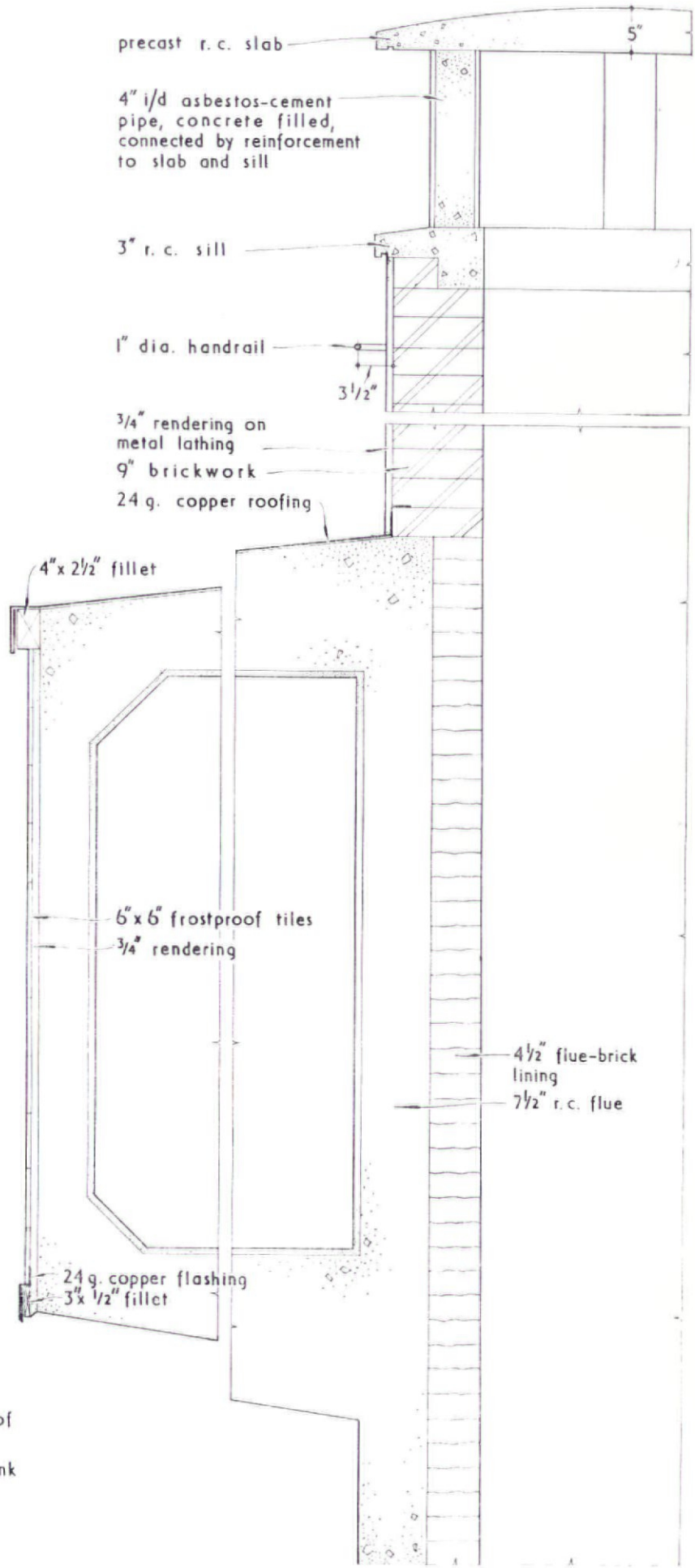


plan at A



plan at B

PLANS AND ELEVATION. scale 1/8" = 1'-0"

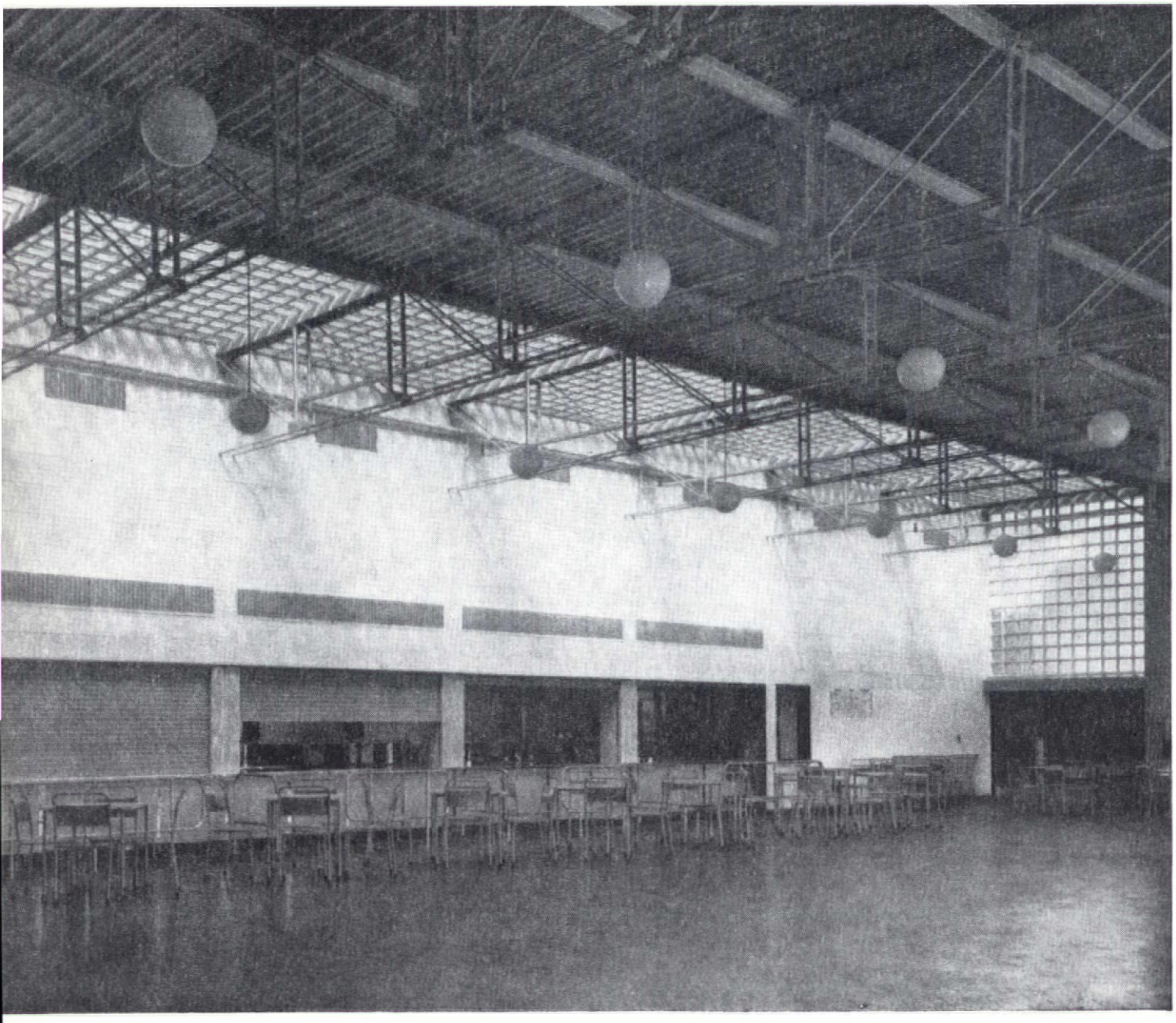


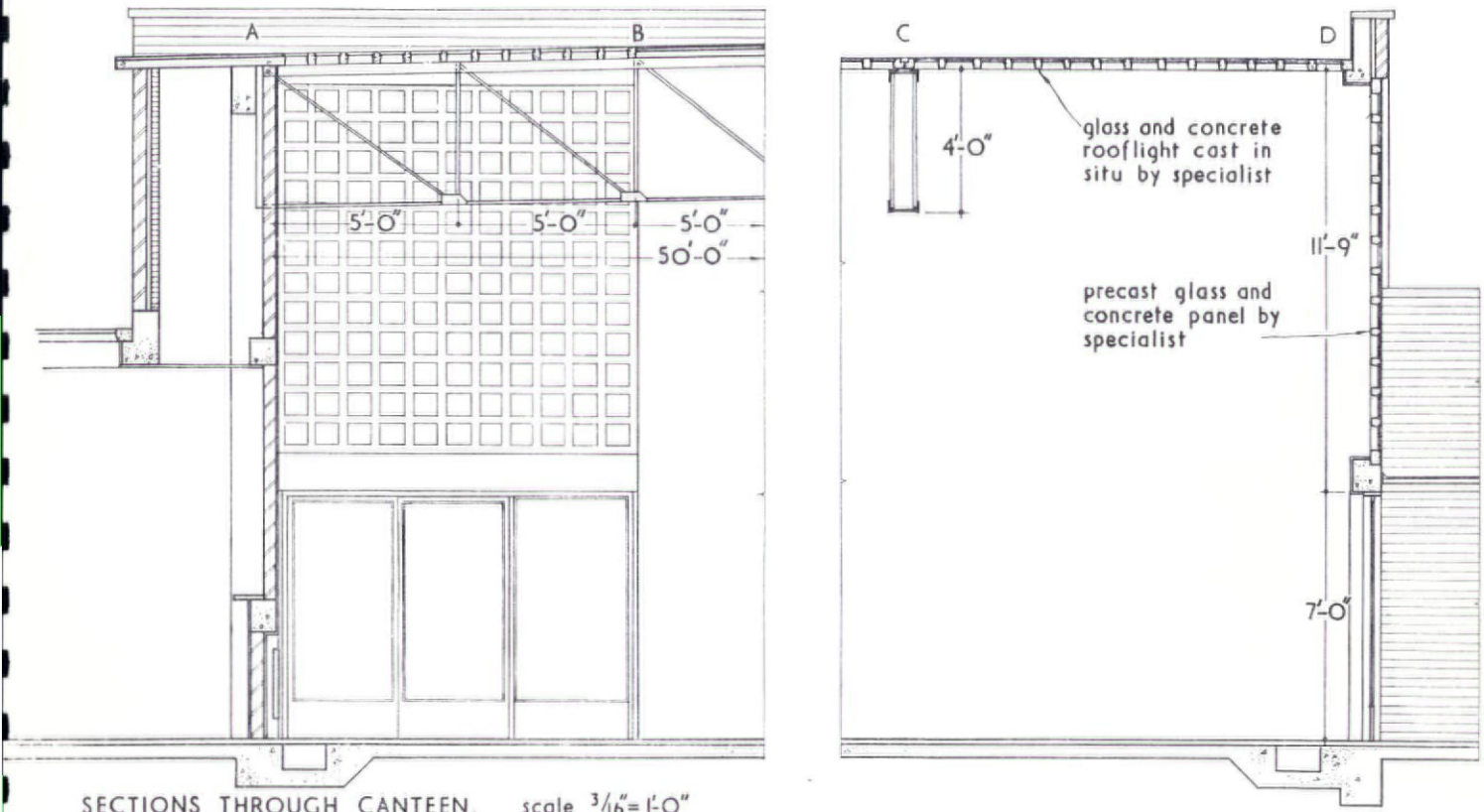
SECTION THRO' TANK. scale 3/4" = 1'-0"

ROOF: CANTEEN AND RECREATION CENTRE IN LONDON, E.3

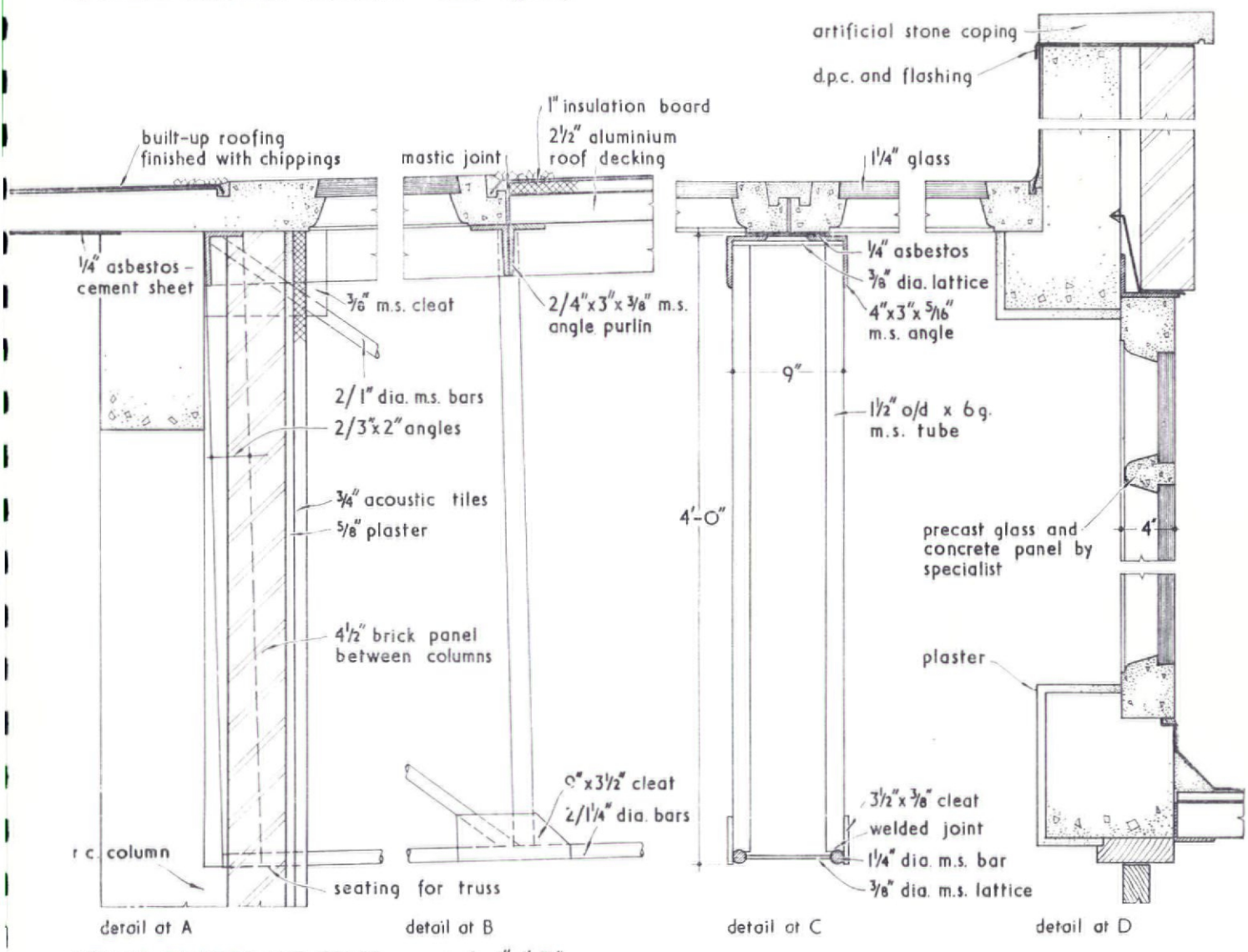
DESIGNED BY ELIE MAYORCAS

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





SECTIONS THROUGH CANTEEN. scale 3/16"= 1'-0"

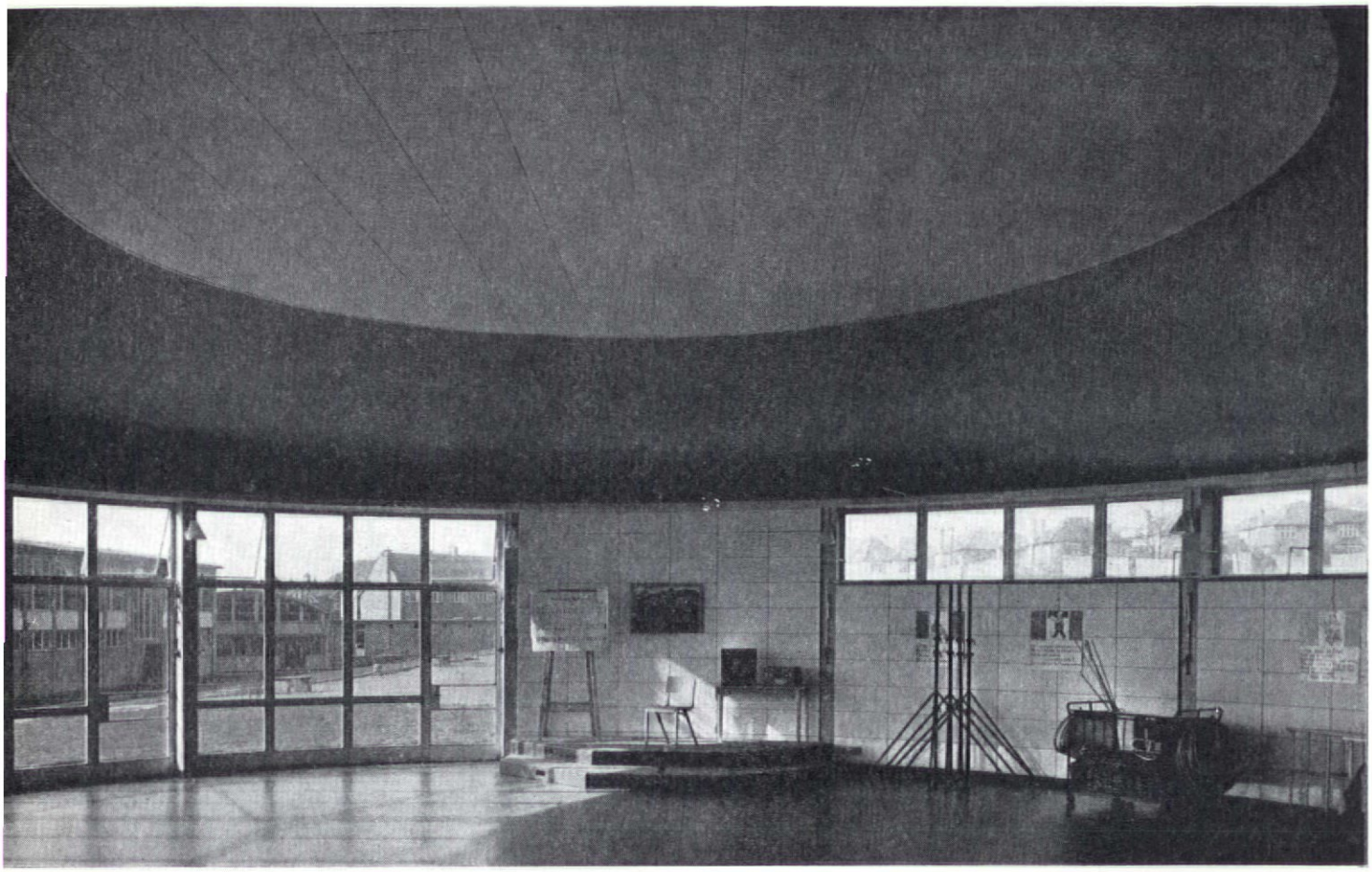


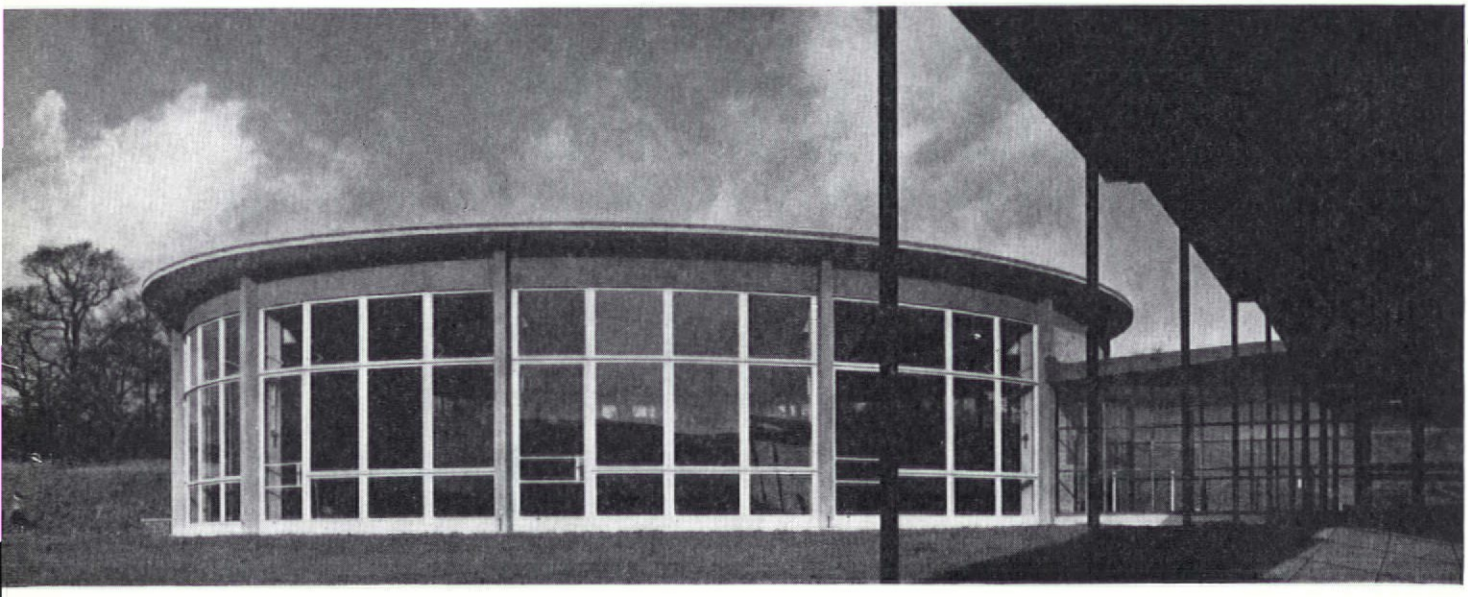
DETAILS OF ROOF AND TRUSS. scale 1"= 1'-0"

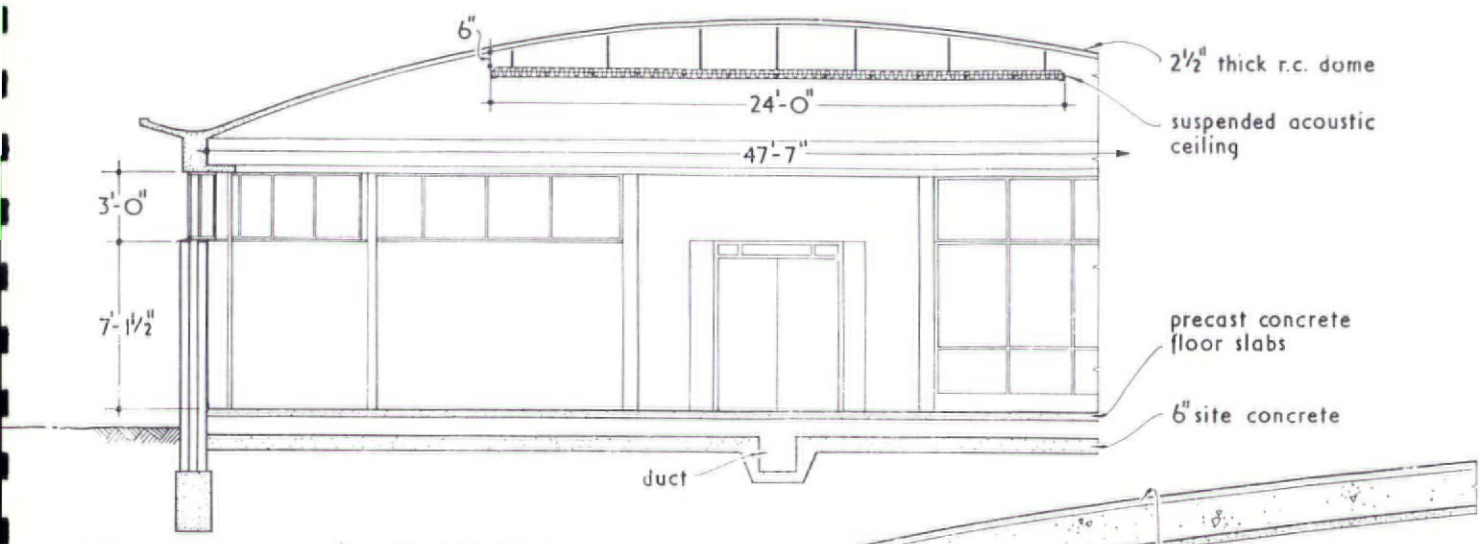
ROOF AND SUSPENDED CEILING : ASSEMBLY HALL, SCHOOL AT WEMBLEY

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

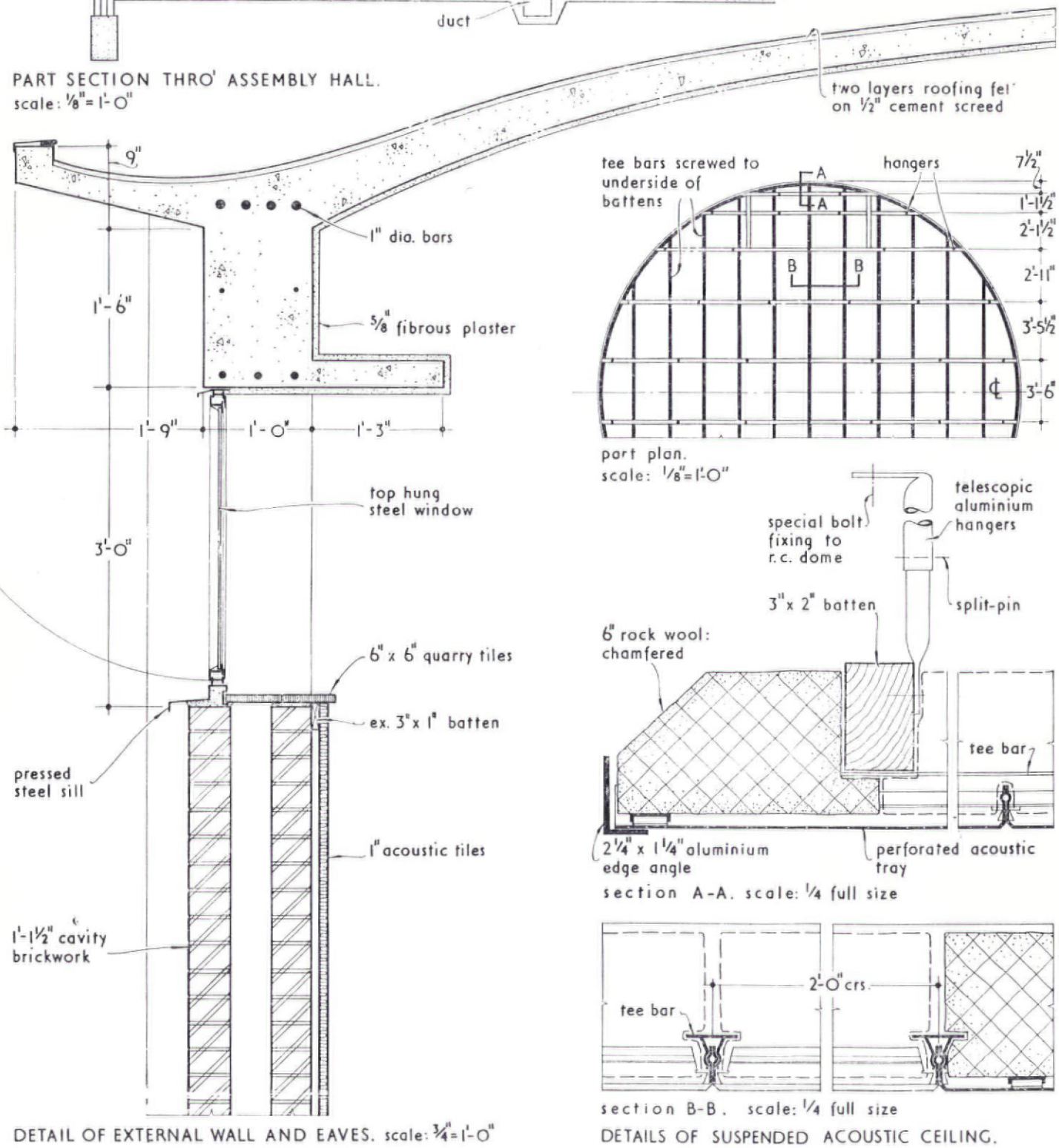
The circular form of the hall raised acoustical problems which were successfully overcome by the introduction of a suspended ceiling which is sound-absorbing







PART SECTION THRO' ASSEMBLY HALL.
scale: ⅛"=1'-0"



DETAIL OF EXTERNAL WALL AND EAVES. scale: ¾"=1'-0"

part plan.
scale: ⅛"=1'-0"

section A-A. scale: ¼ full size

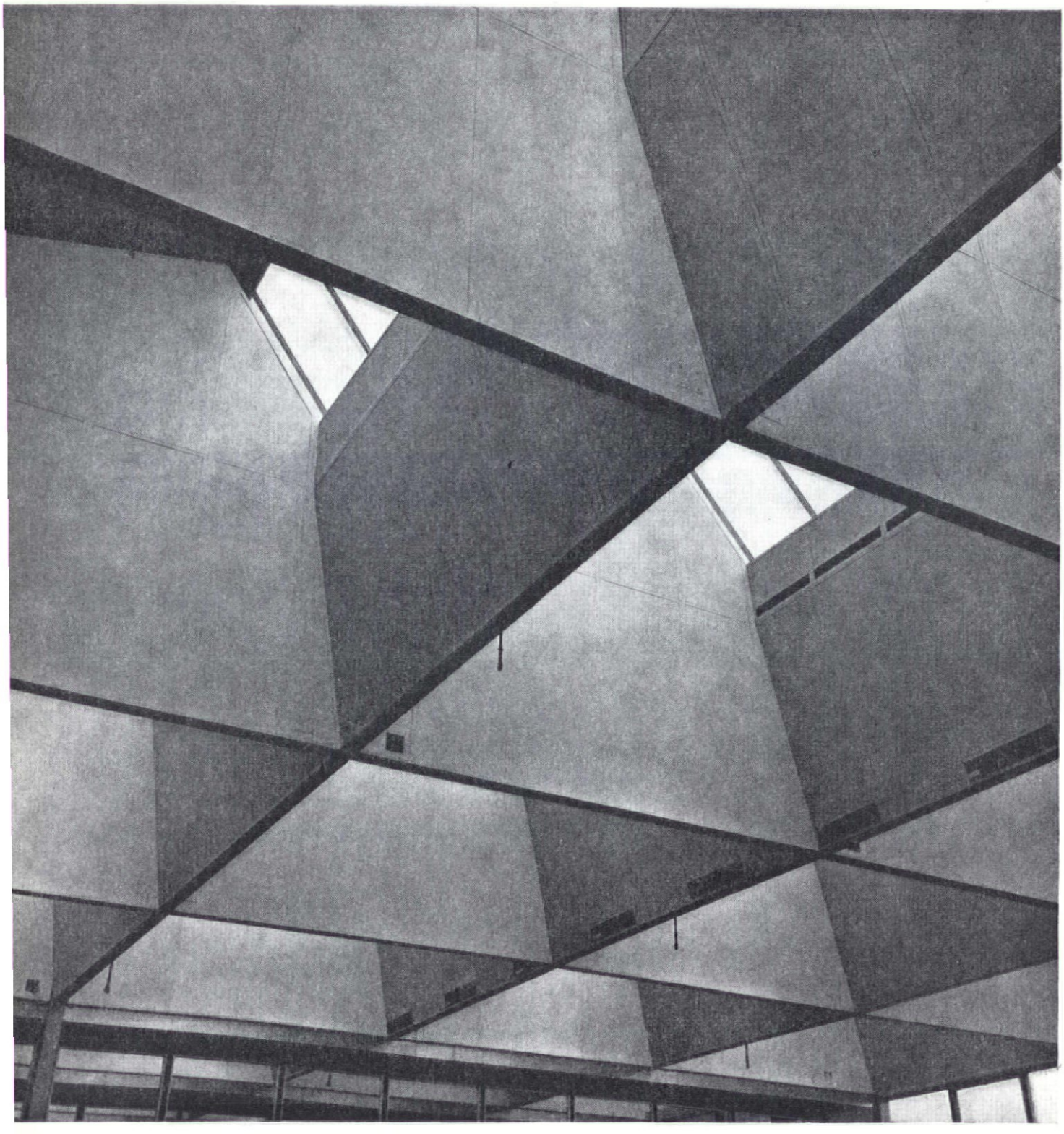
section B-B. scale: ¼ full size

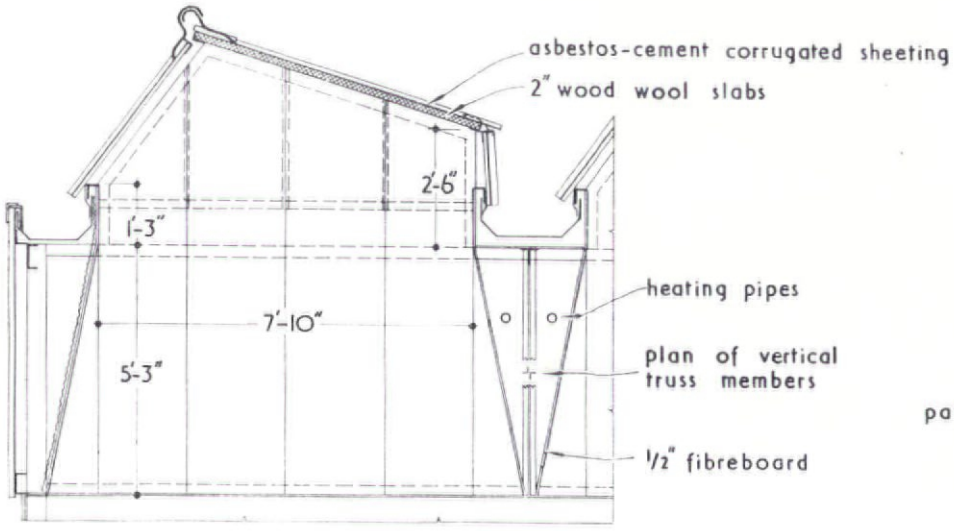
DETAILS OF SUSPENDED ACOUSTIC CEILING.

WORKSHOP ROOFLIGHT: TECHNICAL COLLEGE AT FOLKESTONE

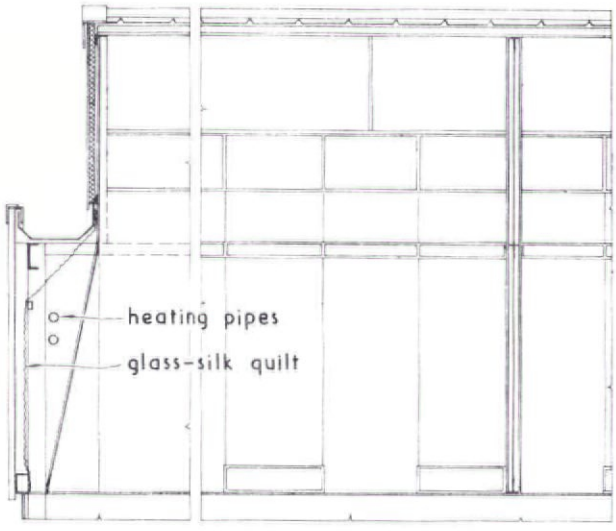
DESIGNED BY S. H. LOWETH (architect to the Kent County Council); J. H. GARNHAM WRIGHT (architect-in-charge) W. A. SHIRBON (executive assistant)

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

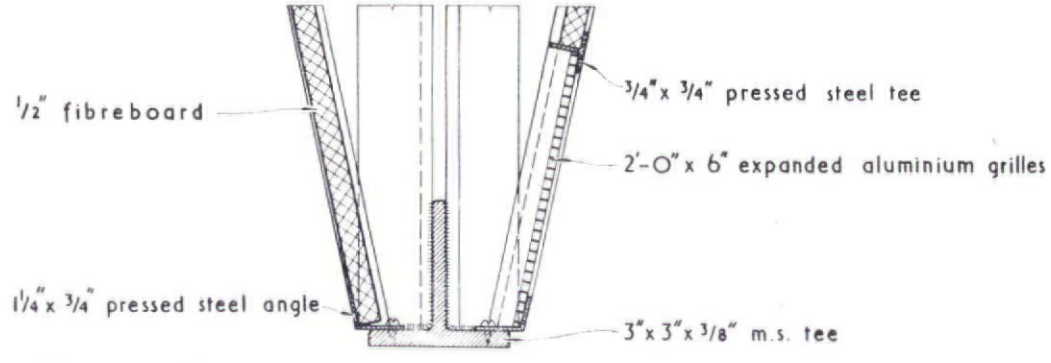




CROSS SECTION OF BAY. scale ¼" = 1'-0"



LONGITUDINAL SECTION. scale ¼" = 1'-0"

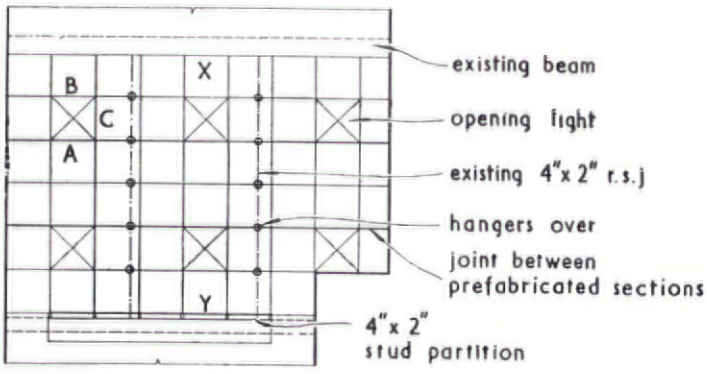


SECTION THRO' SPLAYED FIN. scale ¼ full size

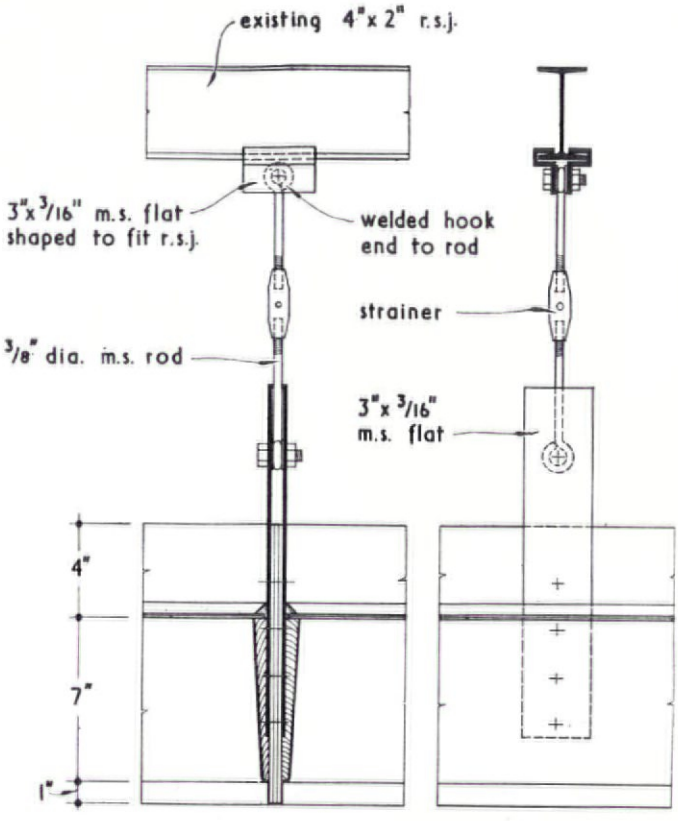
LAYLIGHT CEILING : SHOP IN LONDON, W.1

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

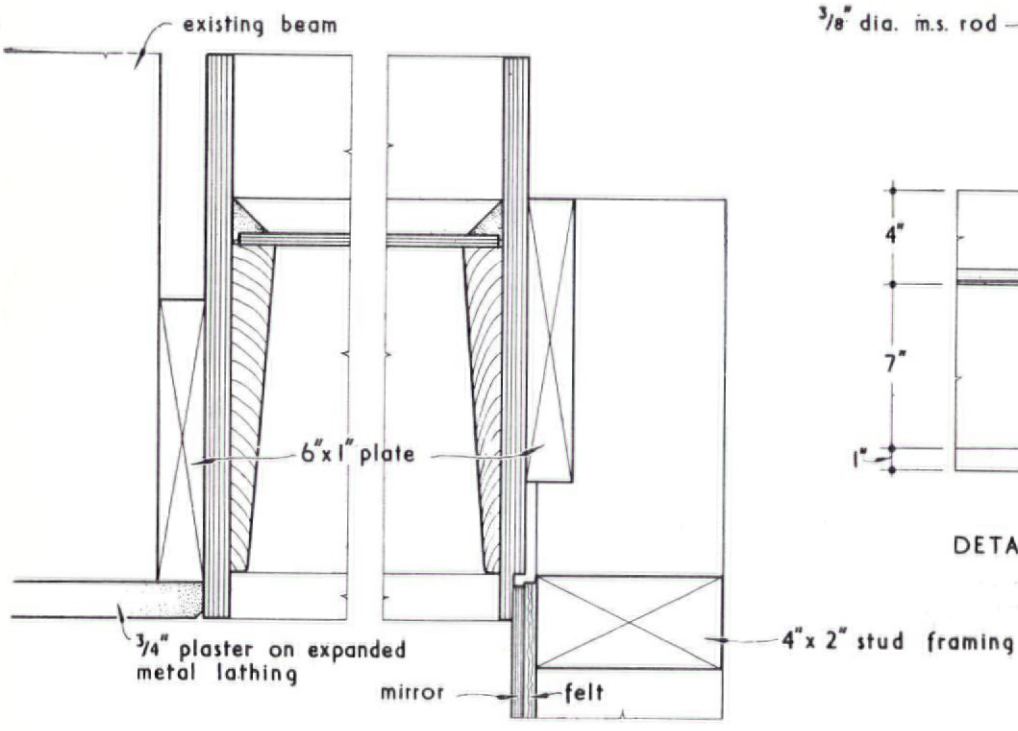
Three prefabricated panels form the laylight in which special diffusing glass is used



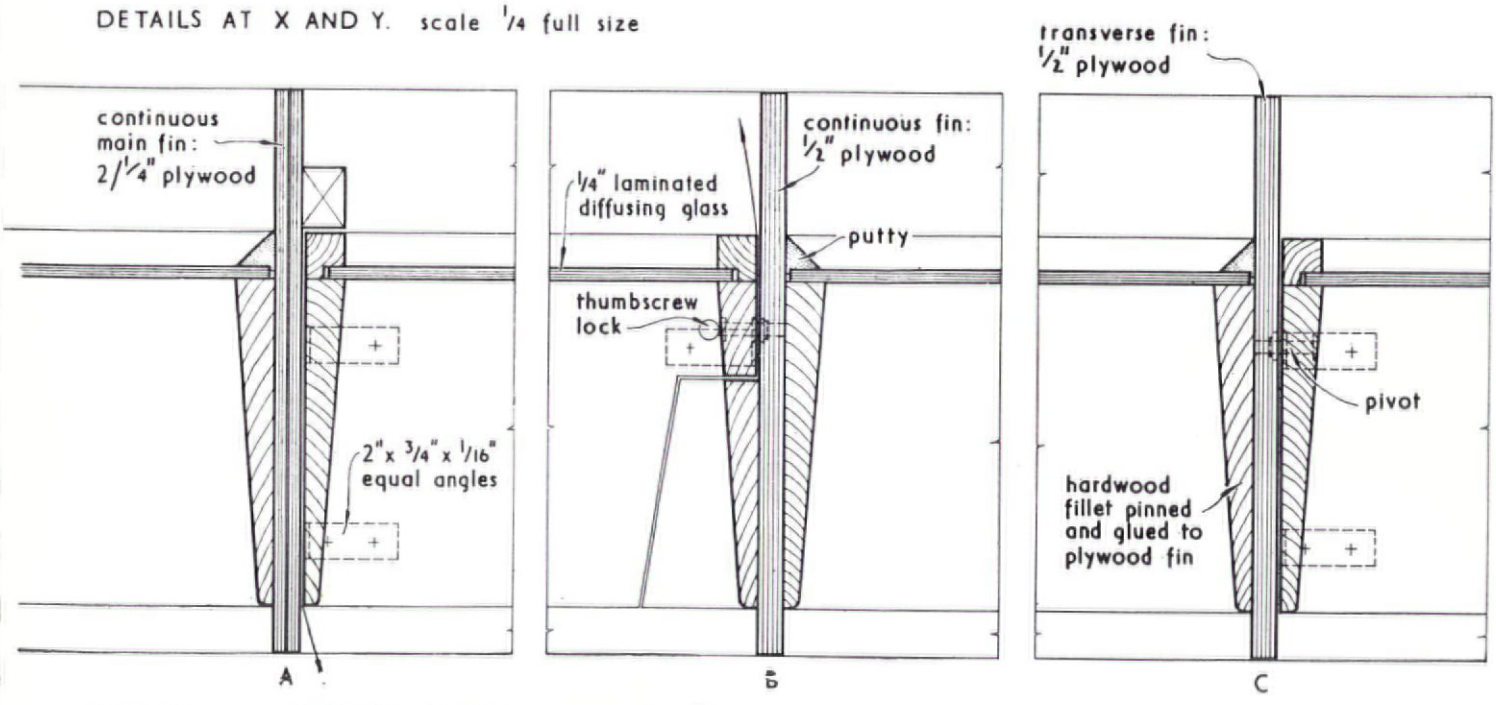
PLAN OF CEILING. scale 1/16" = 1'-0"



DETAILS OF HANGER. scale 1 1/2" = 1'-0"



DETAILS AT X AND Y. scale 1/4 full size

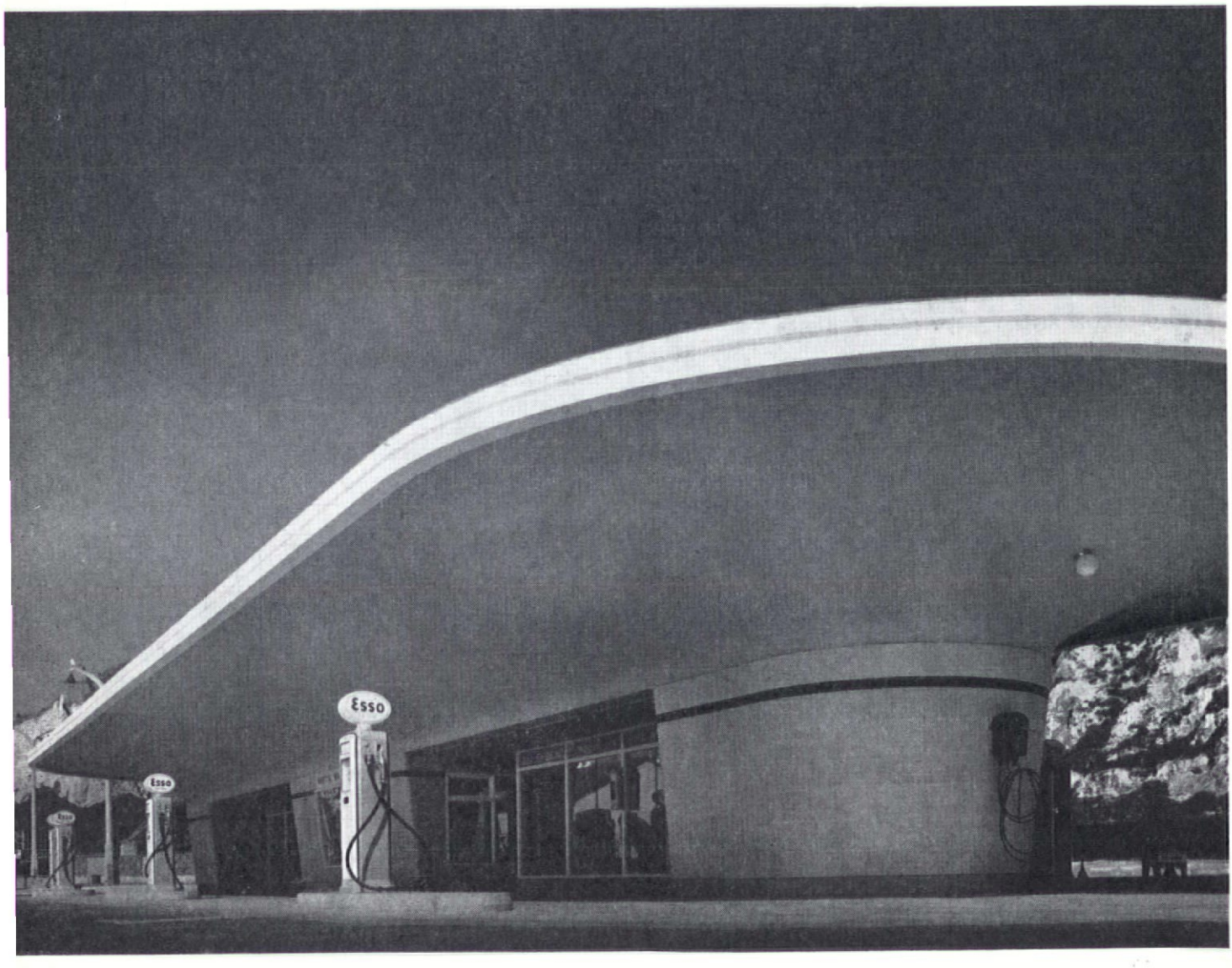


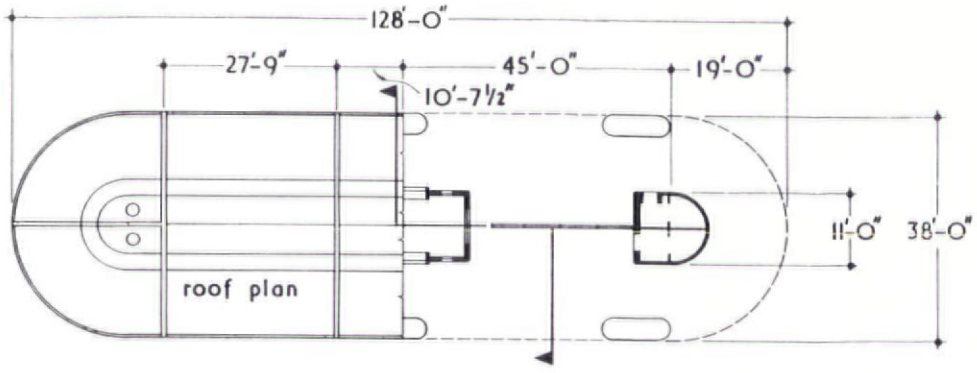
DETAILS OF OPENING LIGHT. scale 1/4 full size

ROOF : PETROL FILLING STATION AT DOVER

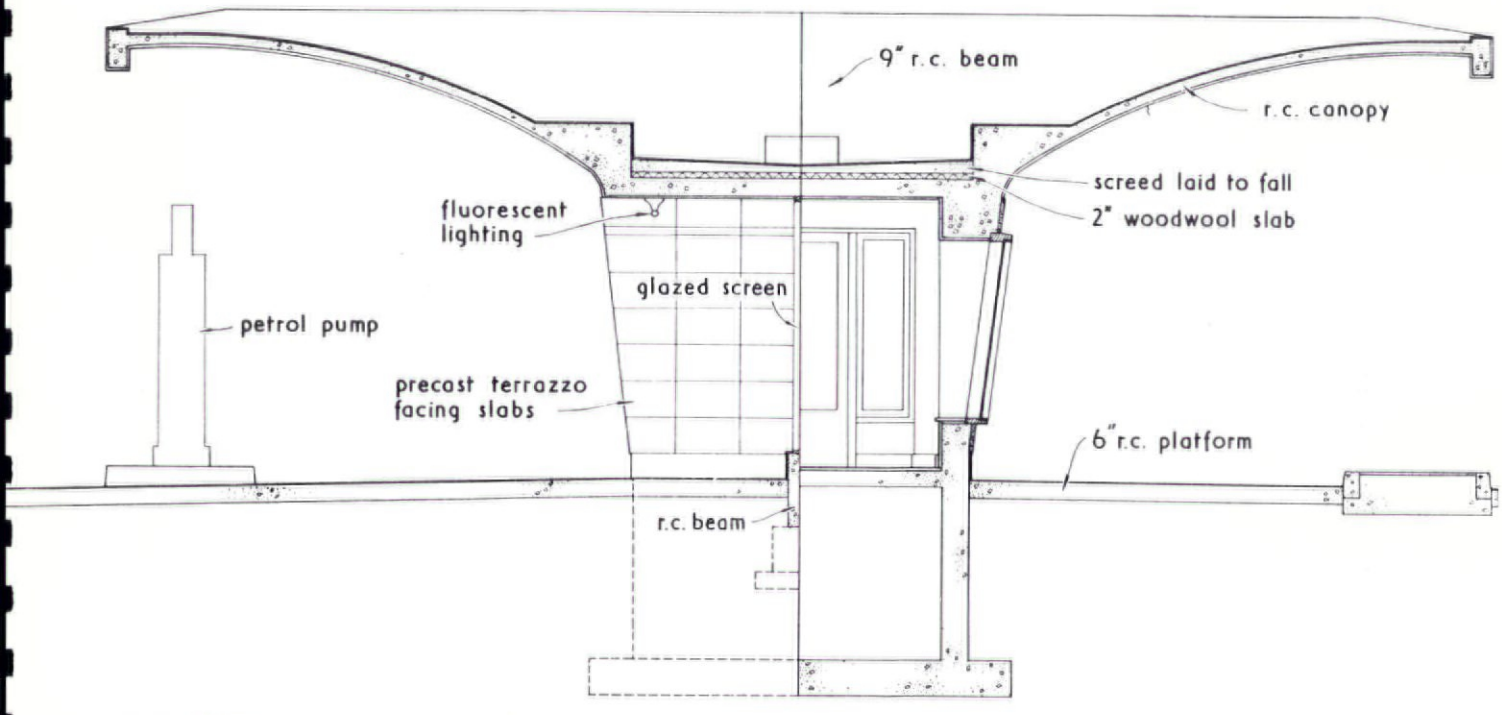
DESIGNED BY J. M. WILSON, H. C. MASON AND PARTNERS

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

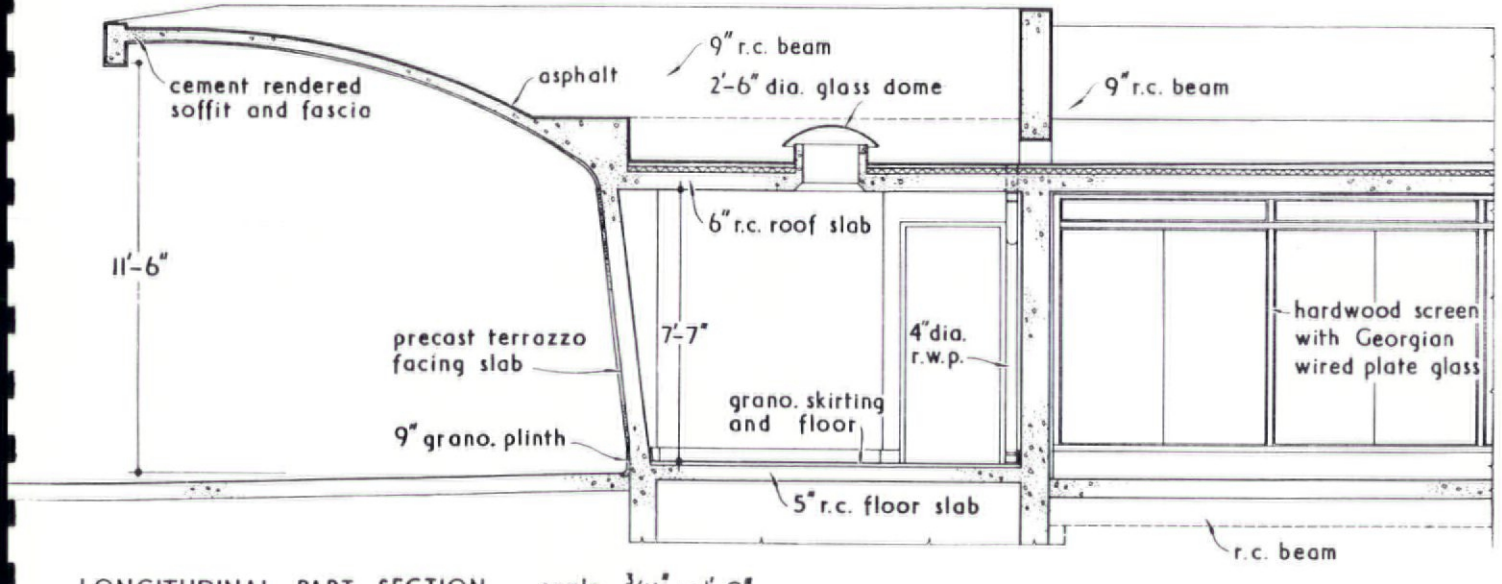




KEY PLAN scale 1/32" = 1'-0"



CROSS SECTION. scale 3/16" = 1'-0"



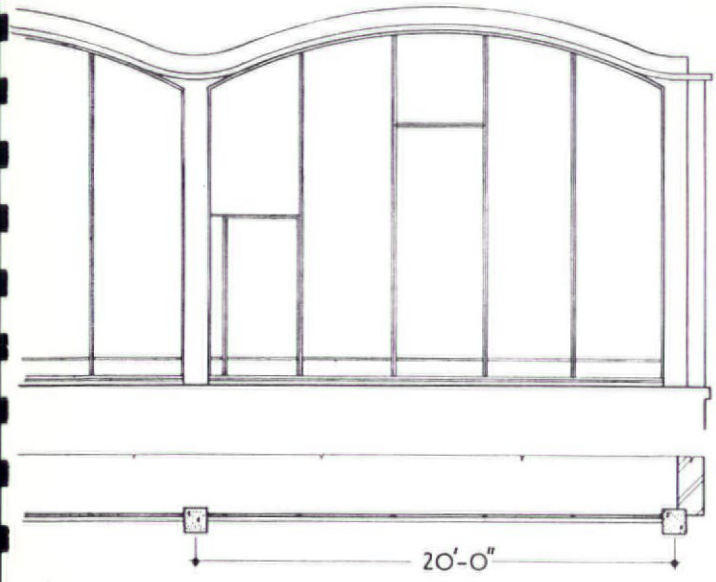
LONGITUDINAL PART SECTION. scale 3/16" = 1'-0"

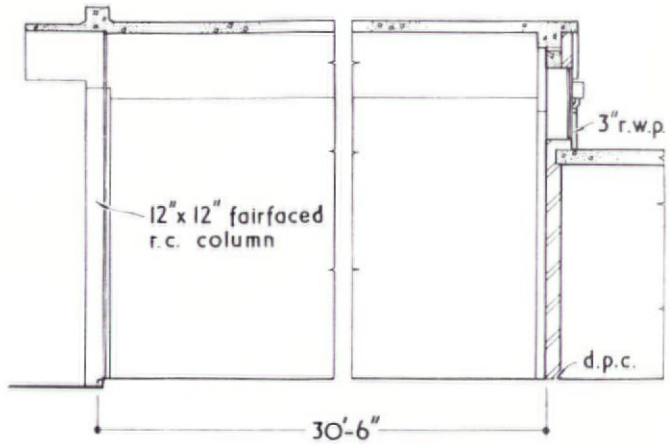
F 2

CANTEEN ROOF : SCHOOL AT ST. PAUL'S CRAY

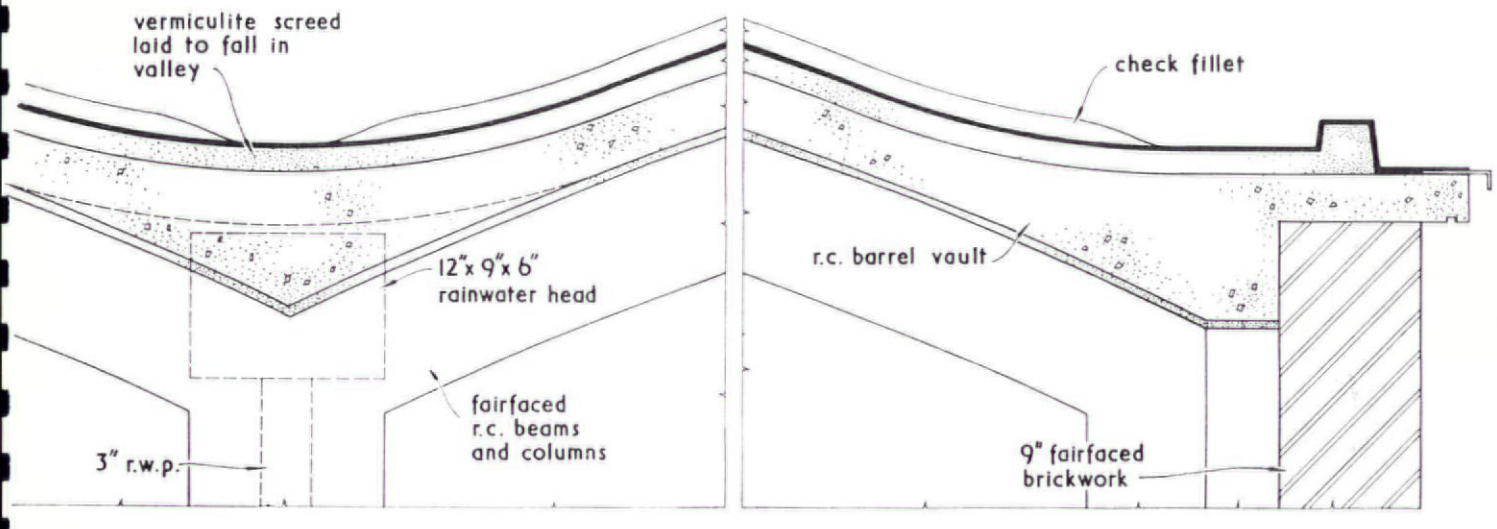
DESIGNED BY ELIE MAYORCAS IN COLLABORATION WITH S. H. LOWETH (architect to the Kent County Council)

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

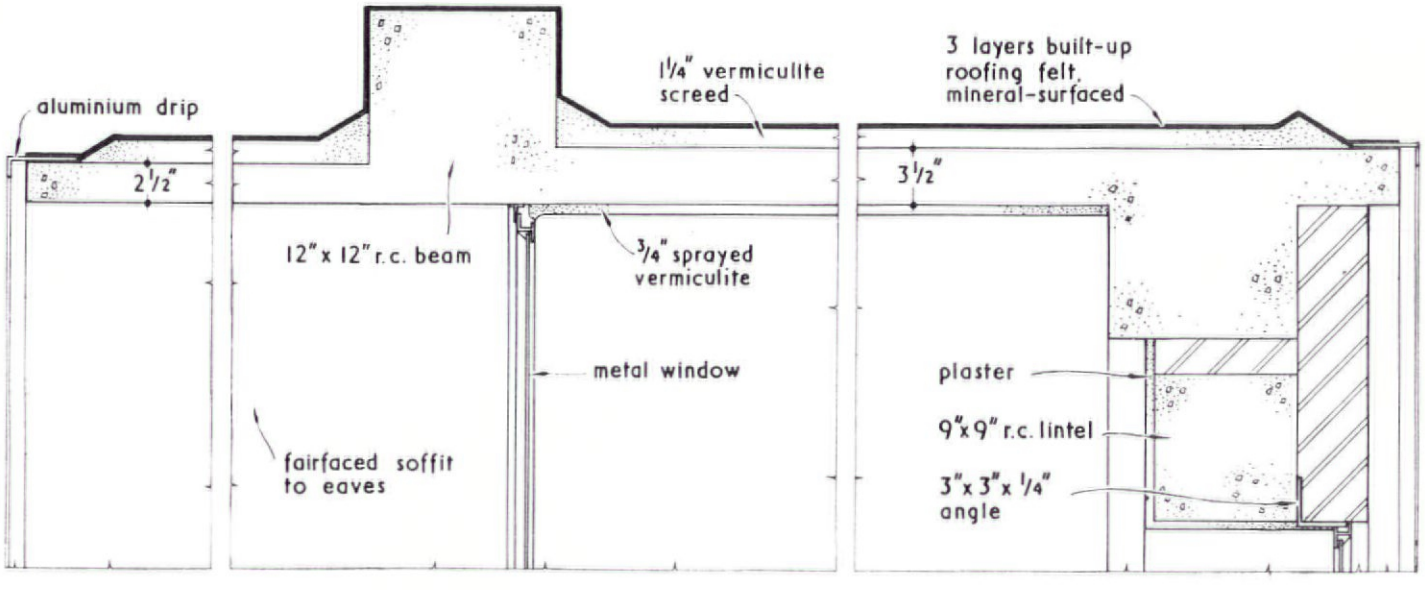




PLAN, ELEVATION AND SECTION. scale 1/8" = 1'-0"



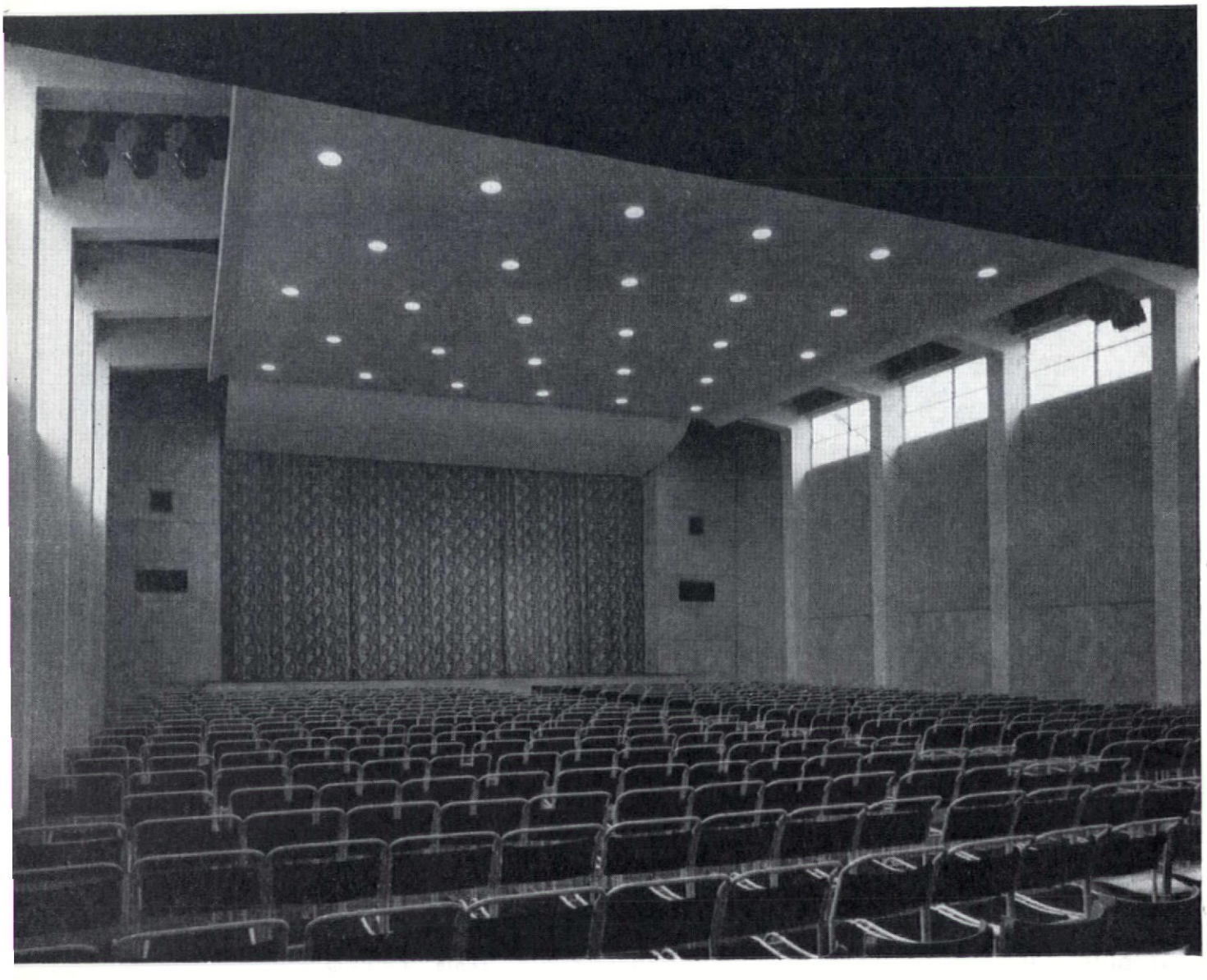
CROSS SECTION THRO' VALLEY AND EAVES. scale 1"= 1'-0"

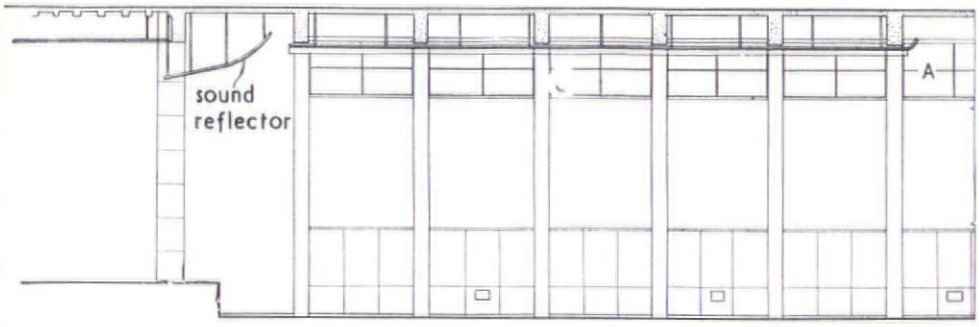


LONGITUDINAL SECTION THRO' CROWN OF VAULT. scale 1"= 1'-0"

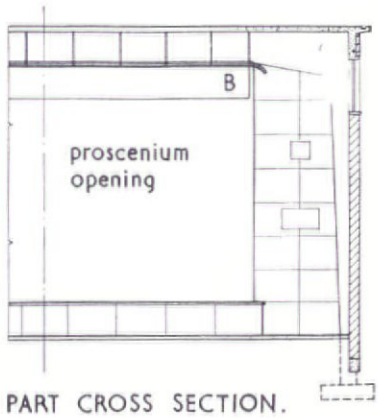
CEILING IN ASSEMBLY HALL : SCHOOL AT CHESHUNT
DESIGNED BY NORMAN AND DAWBARN

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.

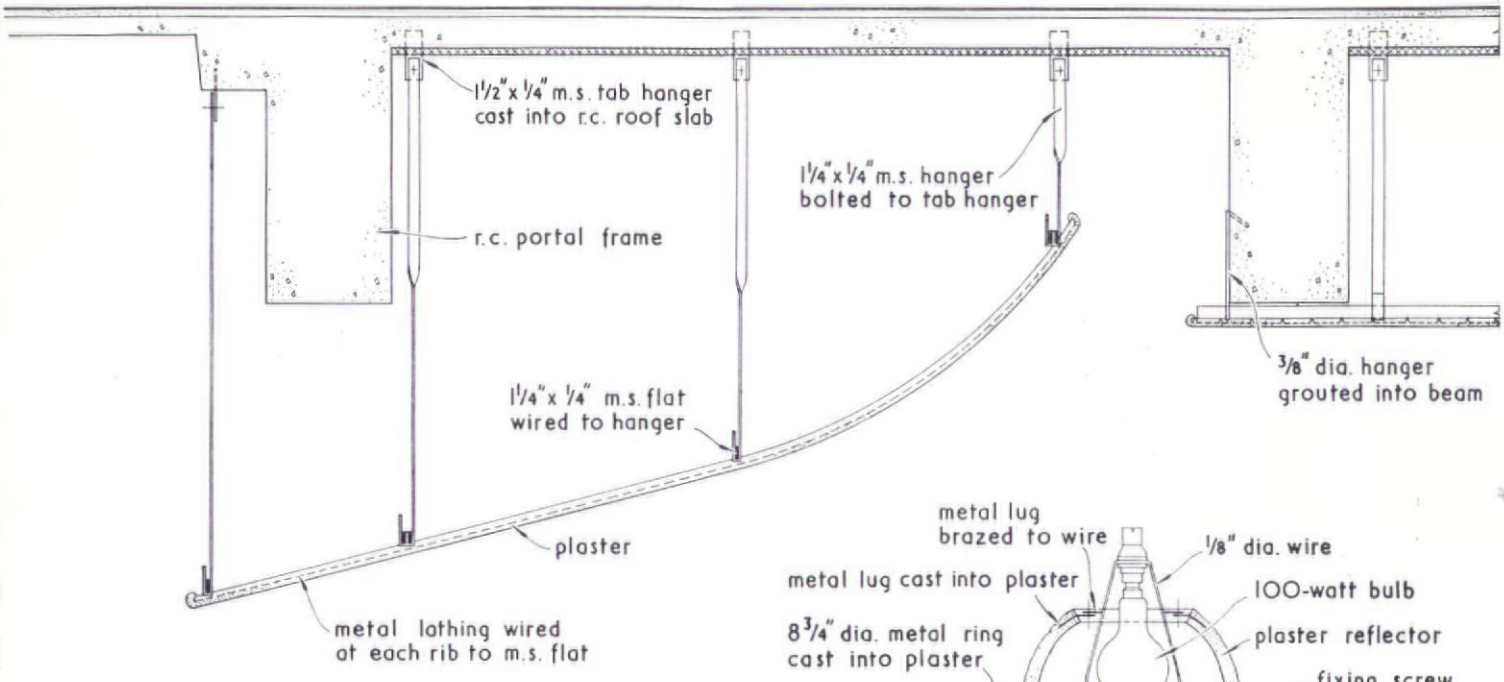




LONGITUDINAL SECTION scale 1/16" = 1'-0"

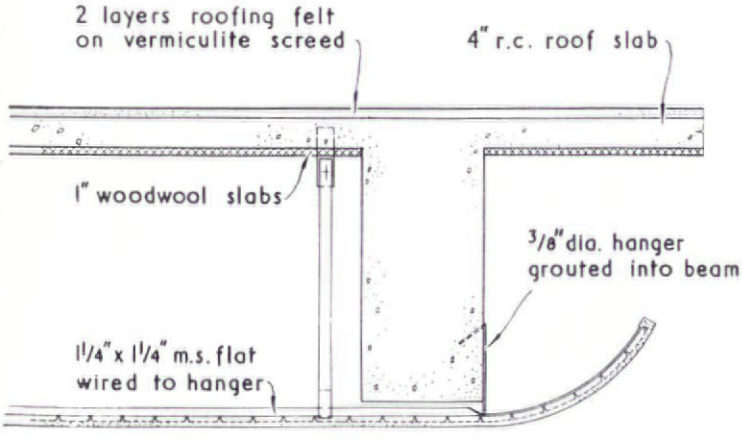


PART CROSS SECTION.

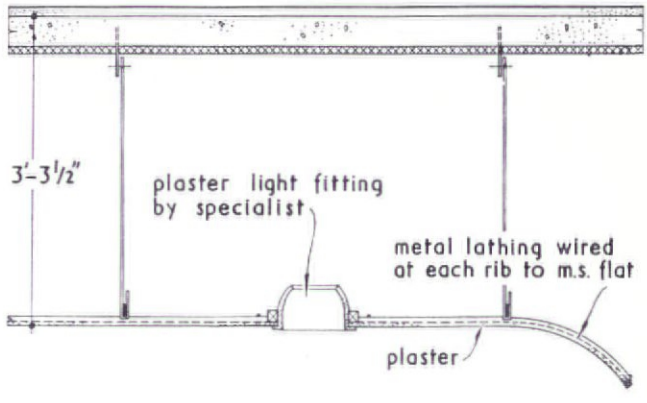


DETAIL OF SOUND REFLECTOR.
scale ½"= 1'-0"

DETAIL OF LIGHT FITTING. scale 1½"=1'-0"



DETAIL AT A. scale ½"= 1'-0"

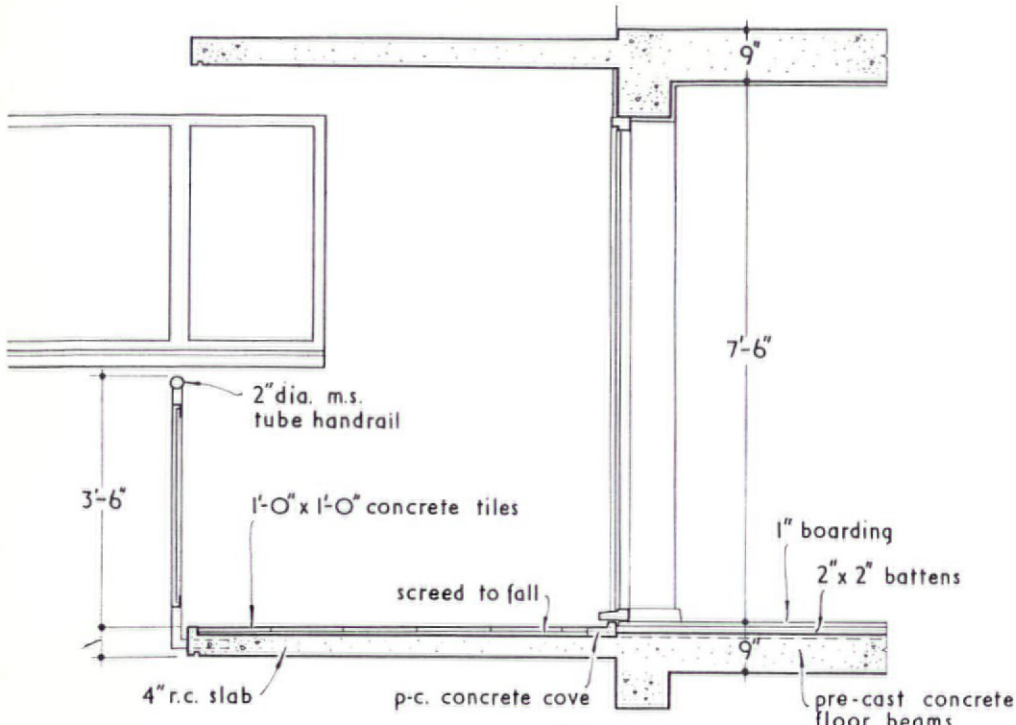


DETAIL AT B. scale ½"= 1'-0"

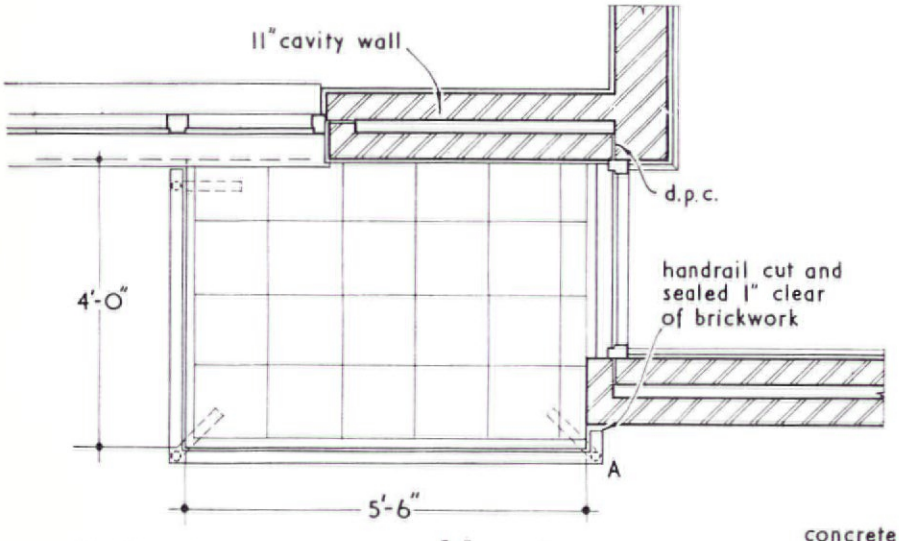
BALCONIES : FLATS AT HATFIELD

DESIGNED BY LIONEL BRETT AND KENNETH BOYD

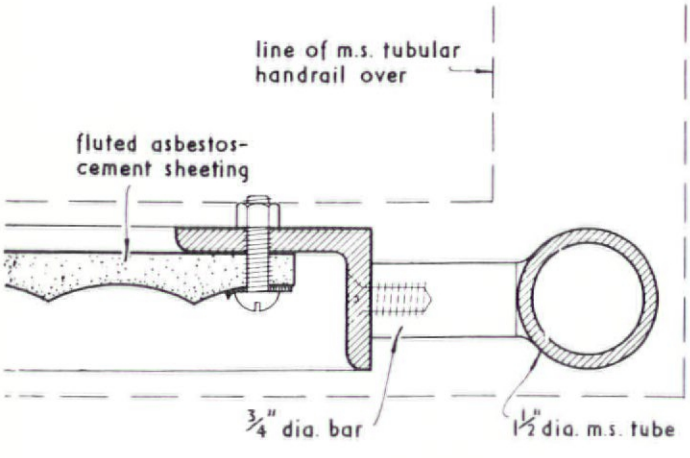
The balconies are paved with concrete tiles and the balustrading is formed from fluted asbestos-cement panels with handrail and corner posts of steel tube



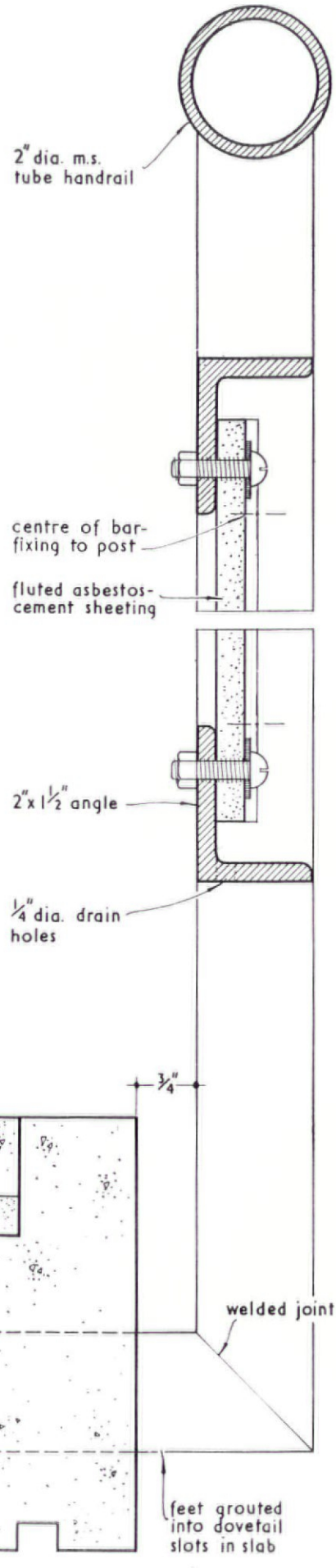
SECTION THRO' BALCONY. scale $\frac{3}{8}$" = 1'-0"



PLAN OF BALCONY. scale $\frac{3}{8}$" = 1'-0"



PLAN AT A. scale ½ full size

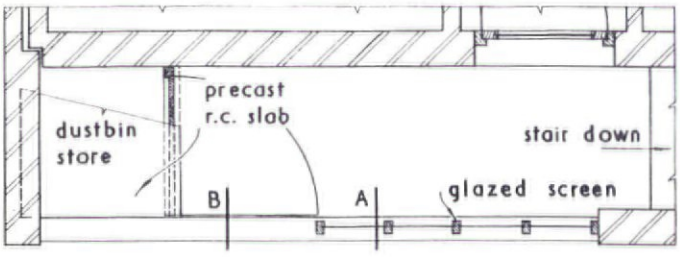


SECTION THRO' BALUSTRADE. scale ½ full size

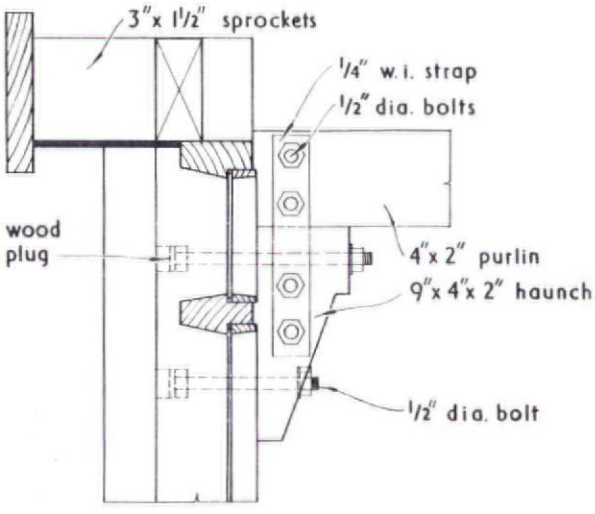
ACCESS BALCONY : FLATS AT WALLINGTON

DESIGNED BY PITE, SON AND FAIRWEATHER

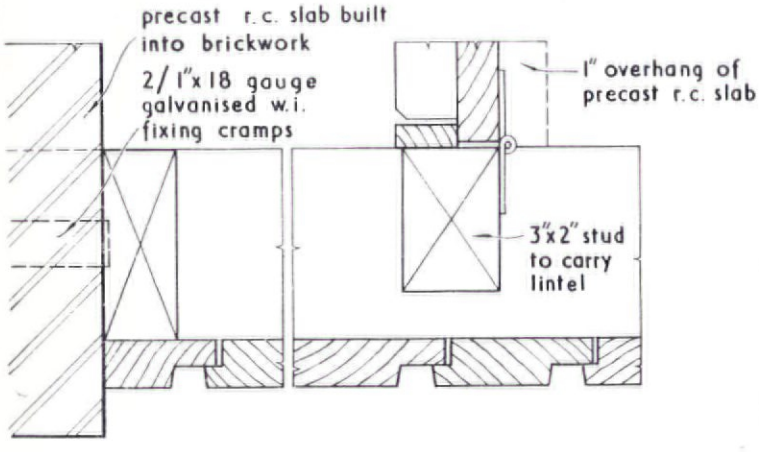
The balcony wall of hardwood boarding conceals a small store for the dustbin and the glazed screen is of Georgian wired glass.



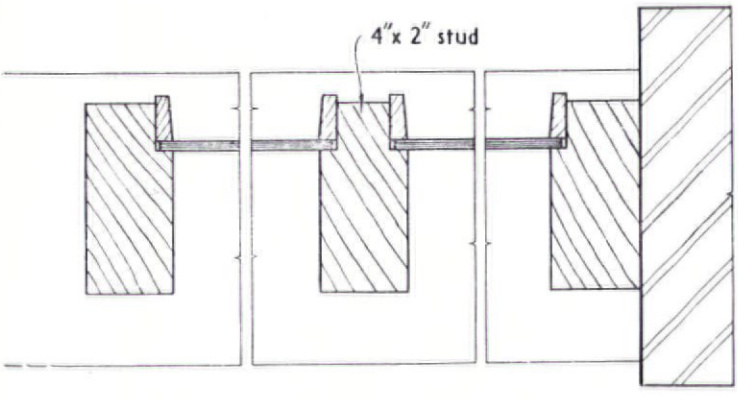
PLAN OF BALCONY.
scale 1/4" = 1'-0"



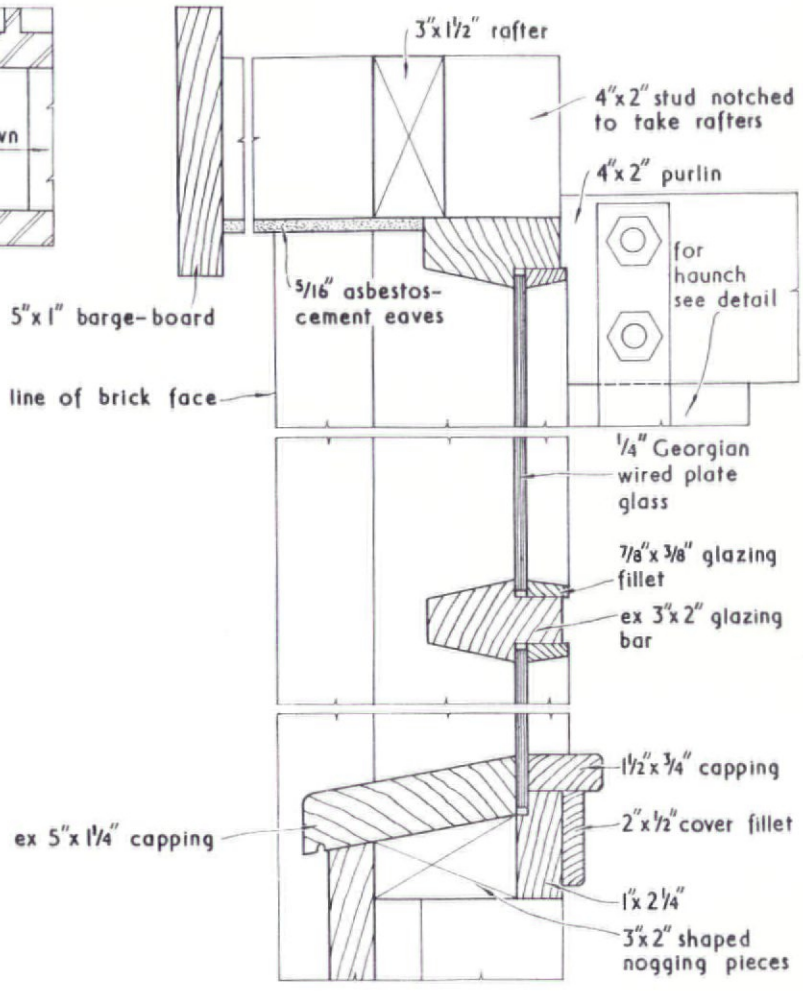
DETAIL AT PURLIN. scale 1½" = 1'-0"



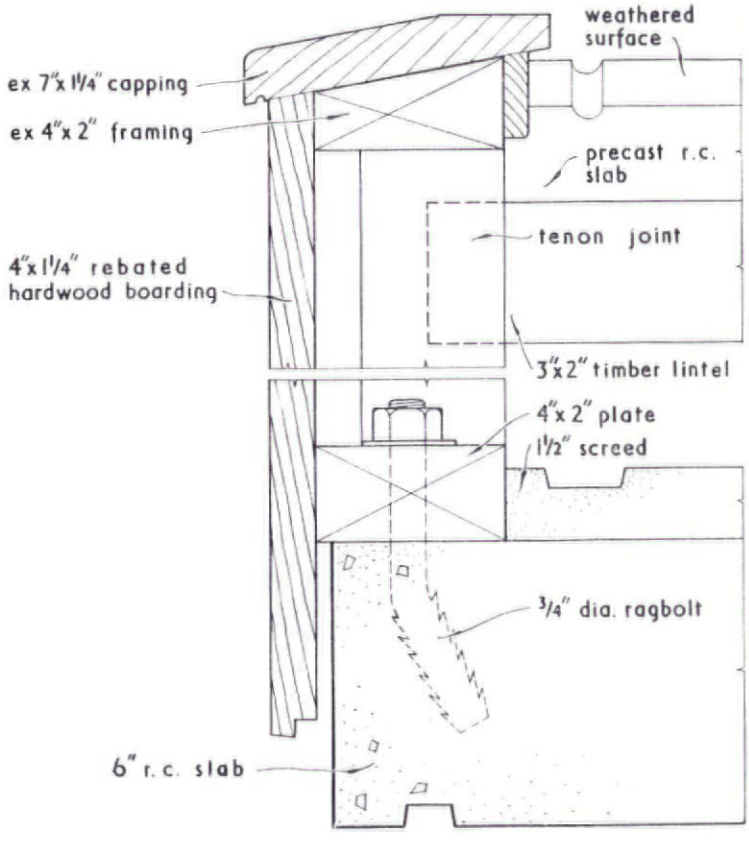
PLAN THRO' FRONT OF BALCONY.
scale 1/4 full size



PLAN OF GLAZED SCREEN. scale 1/4 full size



SECTION AT A. scale 1/4 full size

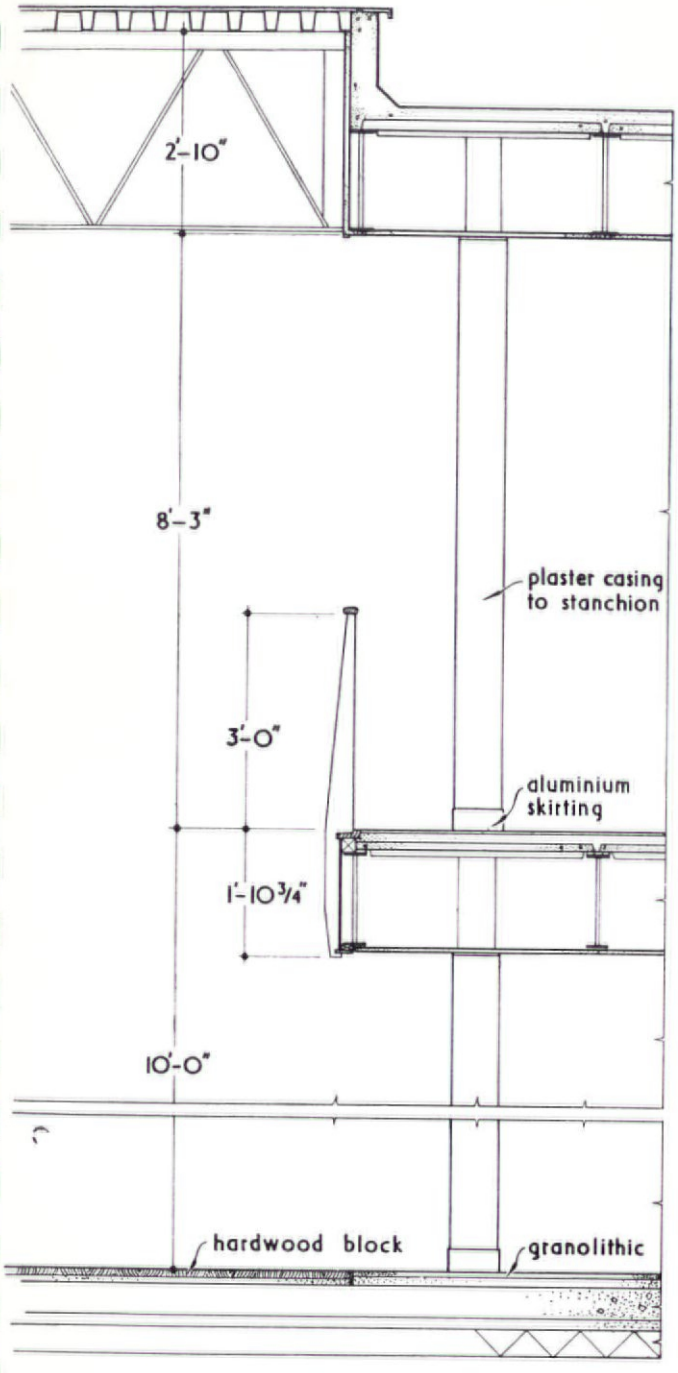


SECTION AT B. scale 1/4 full size

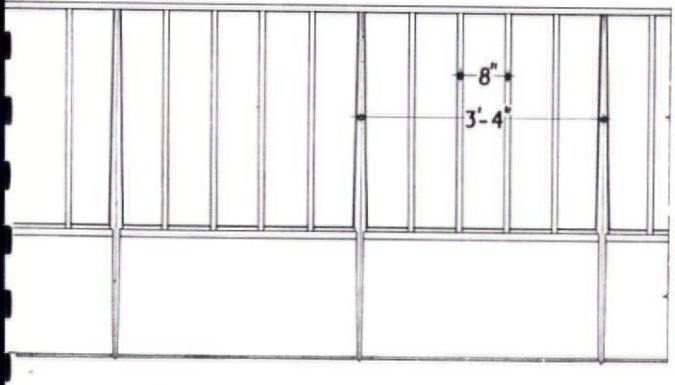
ASSEMBLY HALL BALCONY : SCHOOL AT OXHEY

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

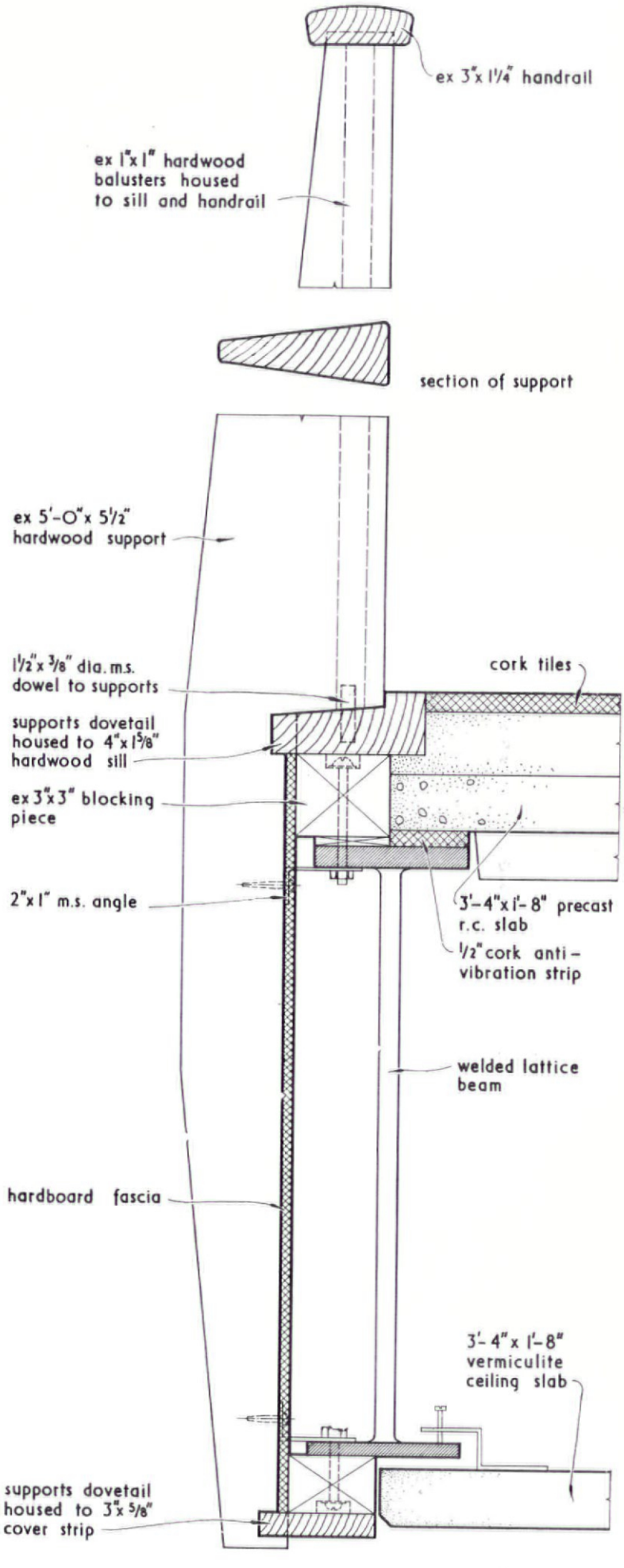
The shaped hardwood supports to the balustrade are notched over the edge of the balcony and are secured to the lattice beam behind the fascia.



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



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

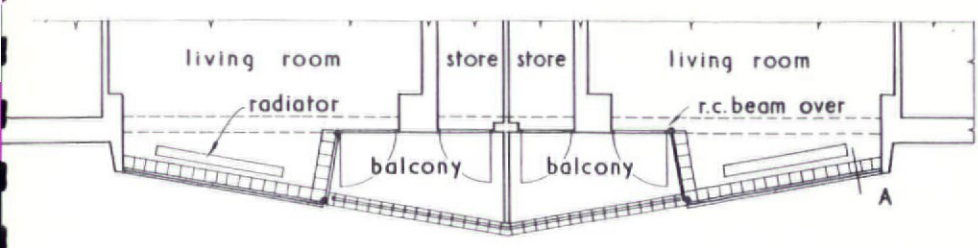


DETAIL OF BALUSTRADE. scale 1/4 full size

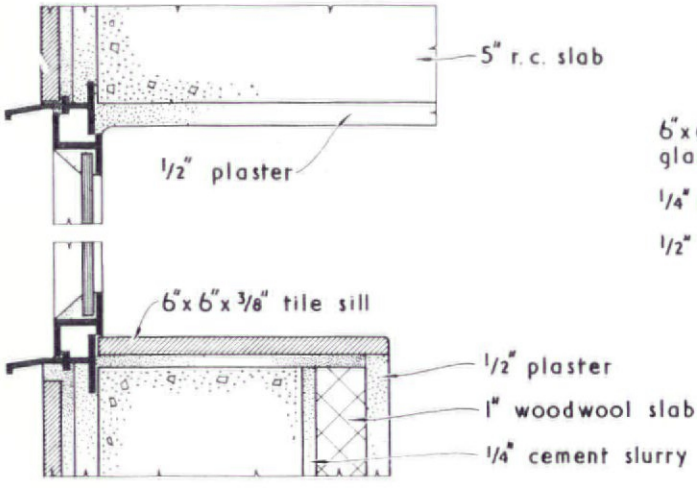
BALCONIES : FLATS IN LONDON, S.W.10

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

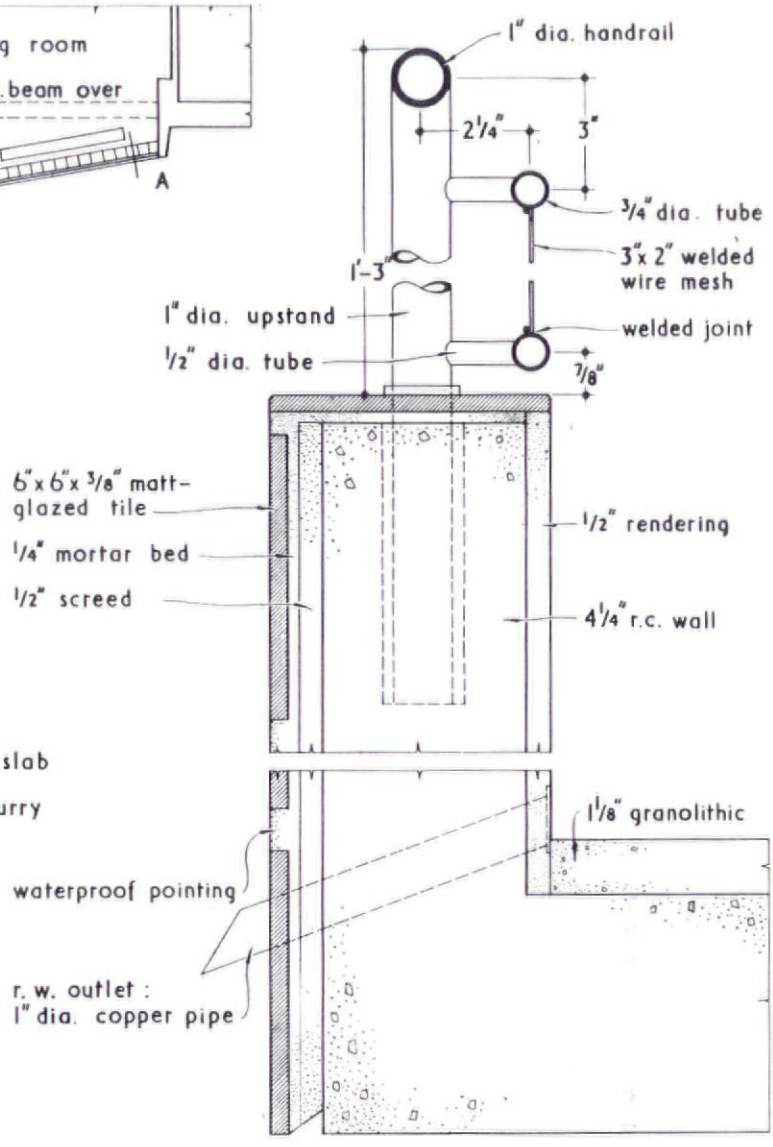
The facing to the balcony walls is of matt-glazed tiles with a waterproof pointing in the wide joints.



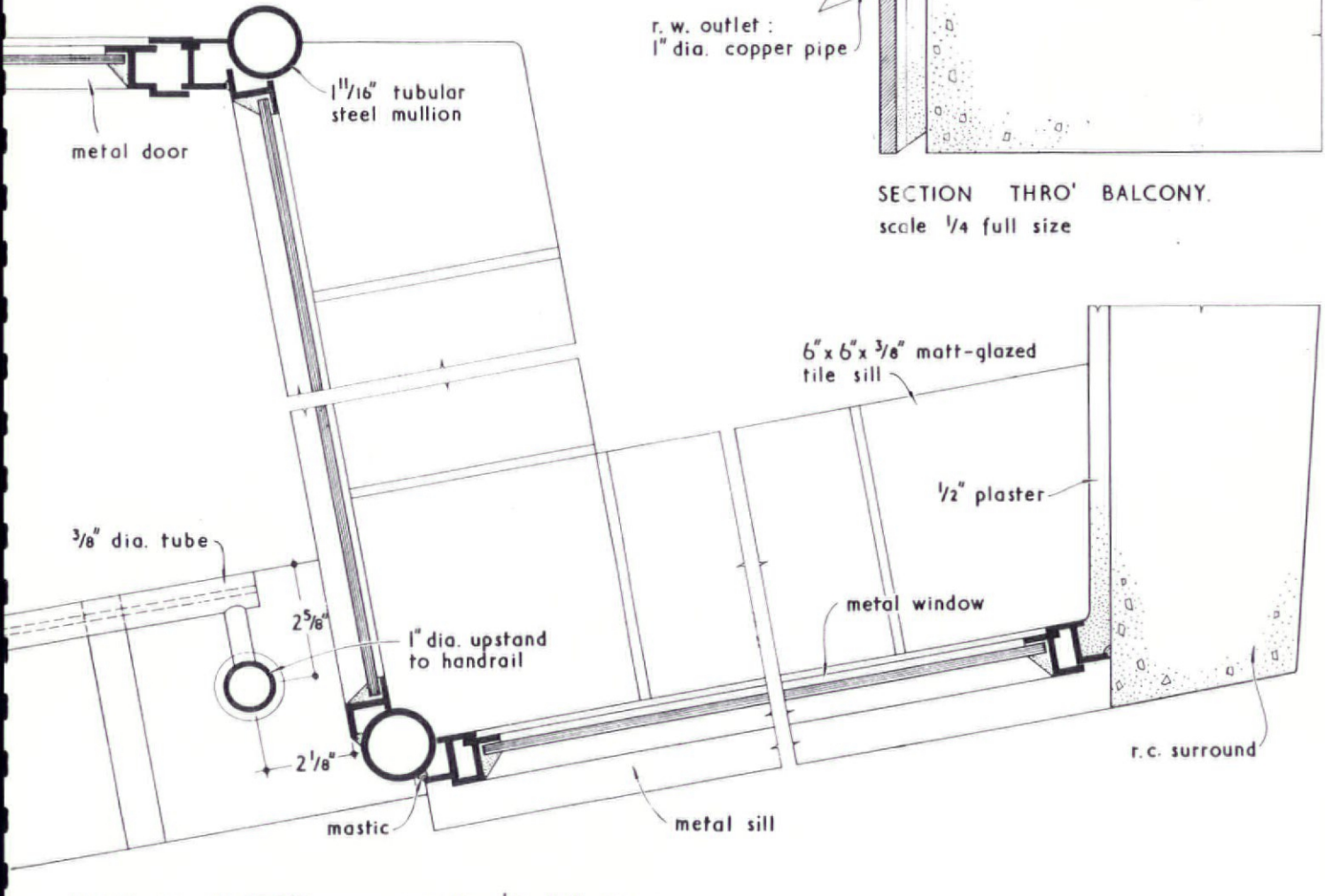
KEY PLAN. scale 1/8" = 1'-0"



SECTION THRO' WINDOW AT A.
scale 1/4 full size



SECTION THRO' BALCONY.
scale 1/4 full size

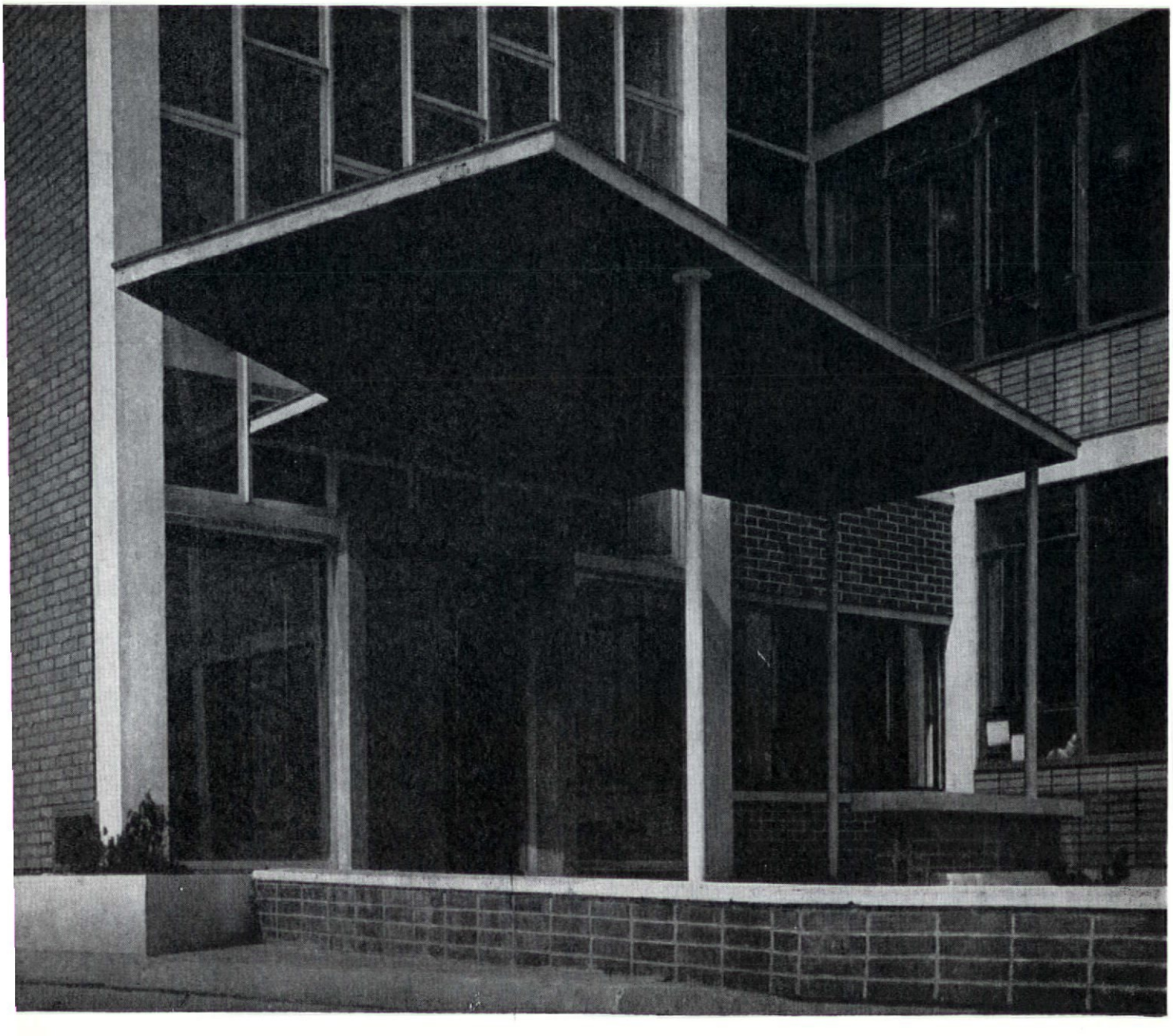


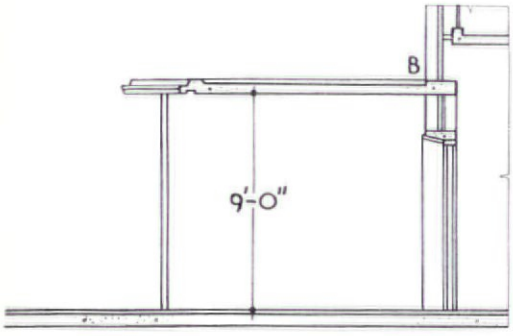
PLAN OF WINDOW. scale 1/4 full size

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

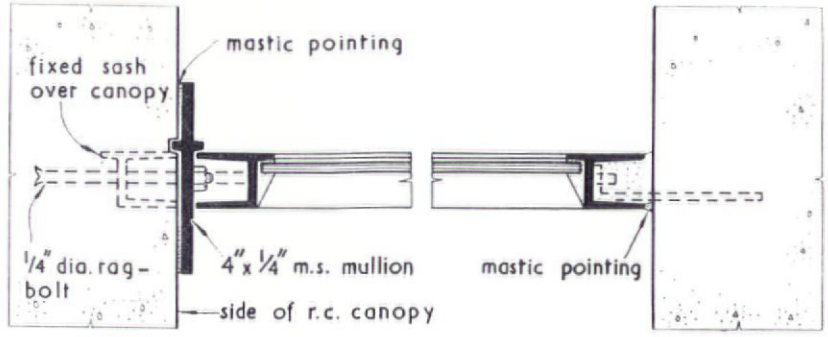
DESIGNED BY PROFESSOR BASIL WARD (OF RAMSEY, MURRAY AND WHITE); J. R. HUDSON (chief assistant)

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

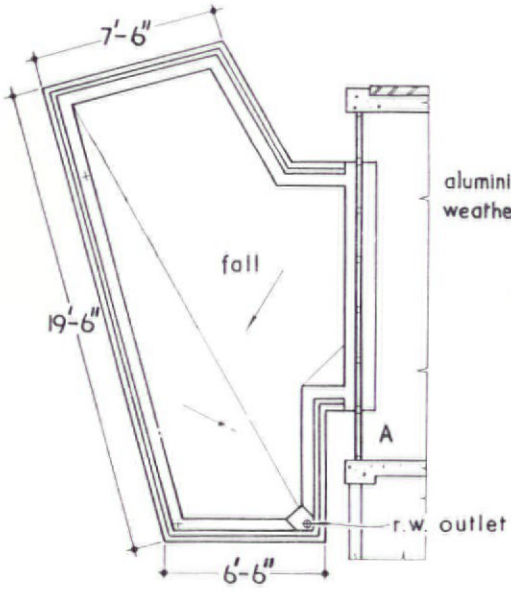




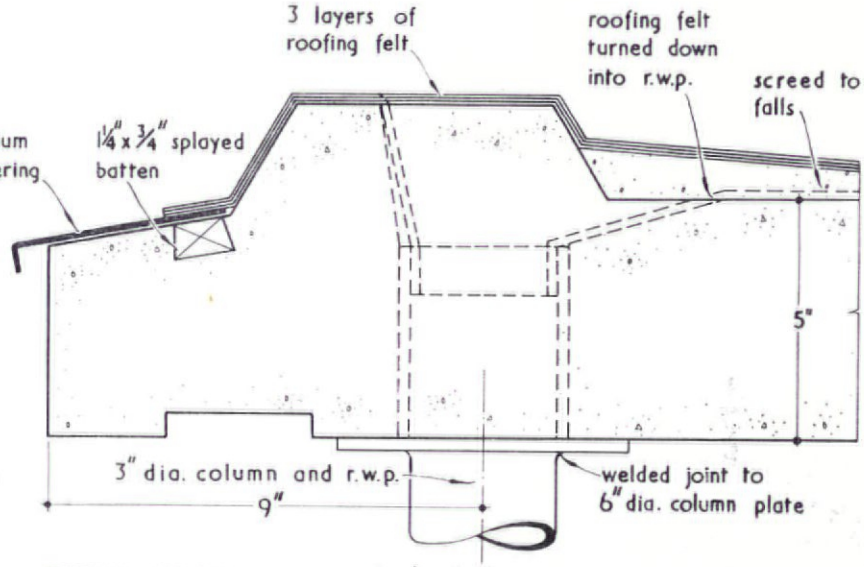
SECTION THRO' CANOPY.
scale ⅛" = 1'-0"



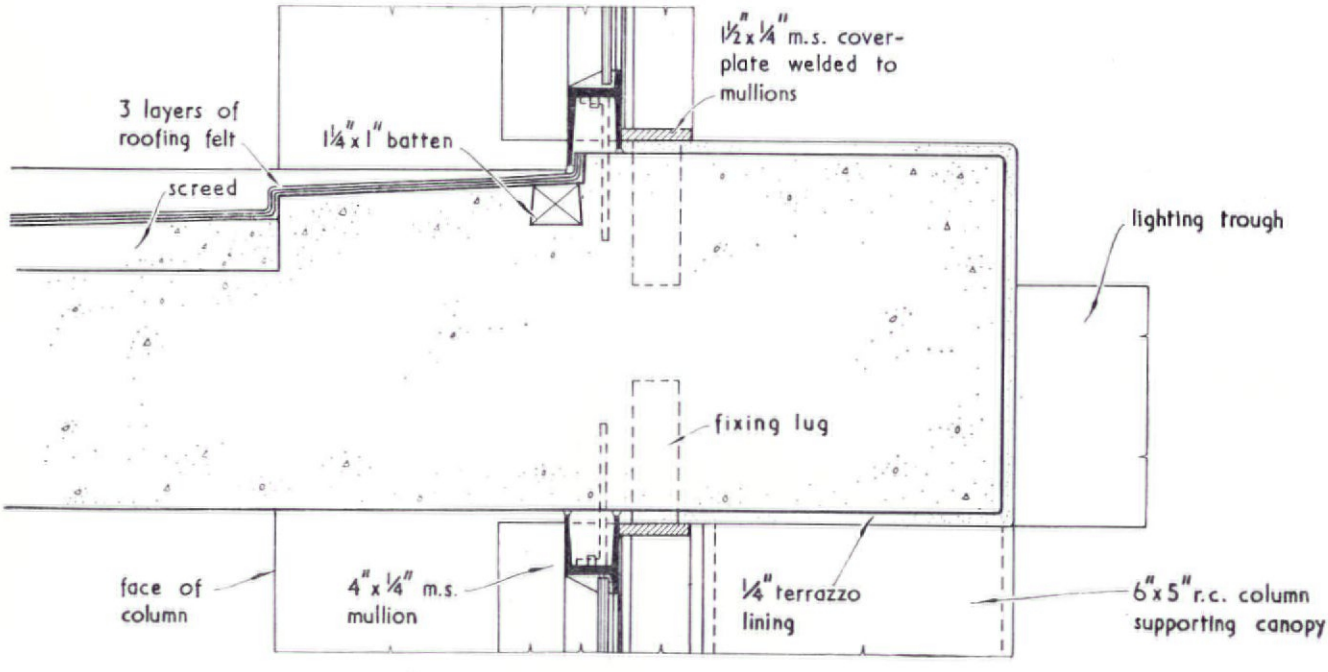
DETAIL AT A. scale ¼ full size



PLAN OF CANOPY.
scale ⅛" = 1'-0"



DETAIL AT EAVES. scale ¼ full size

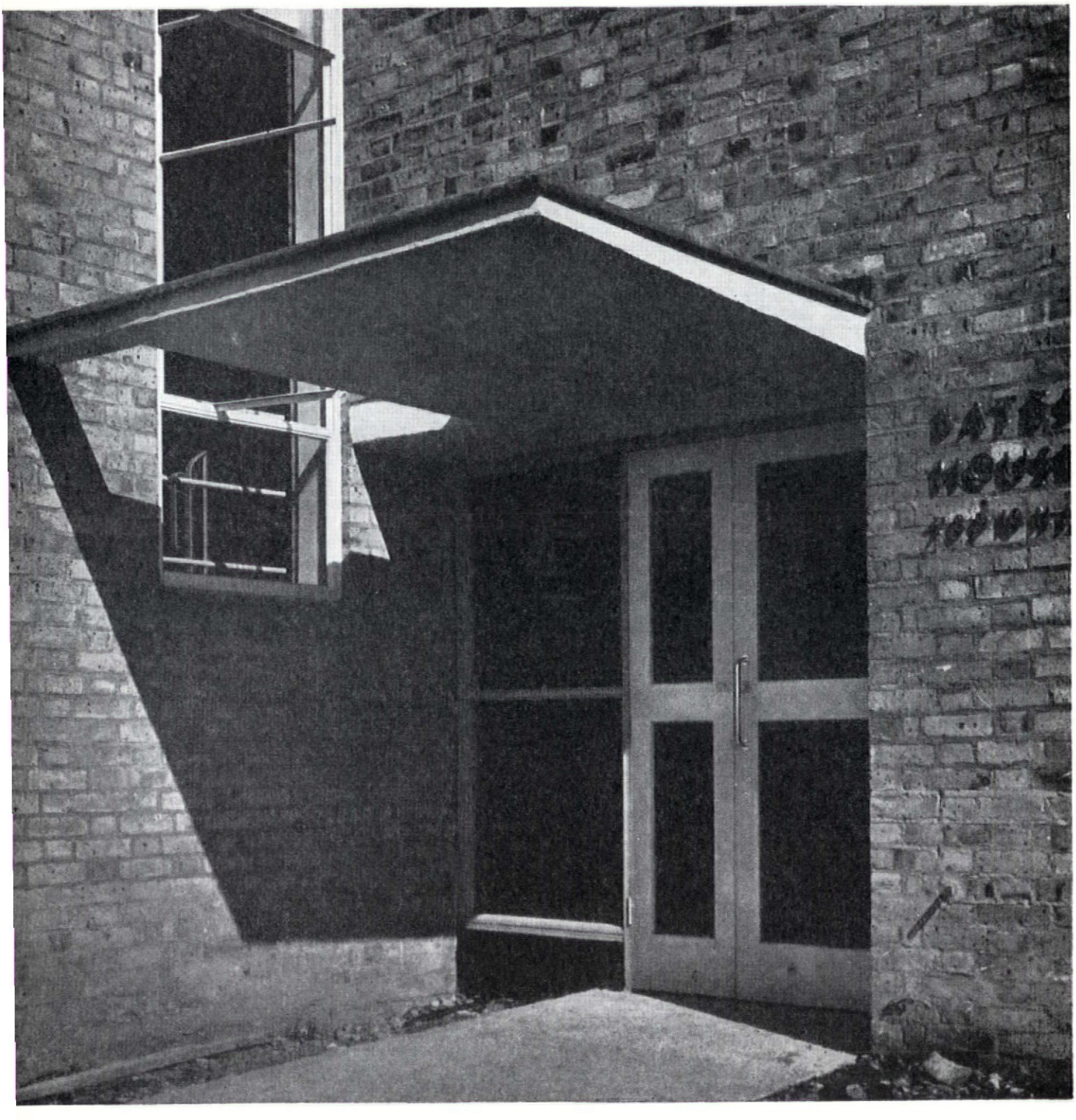


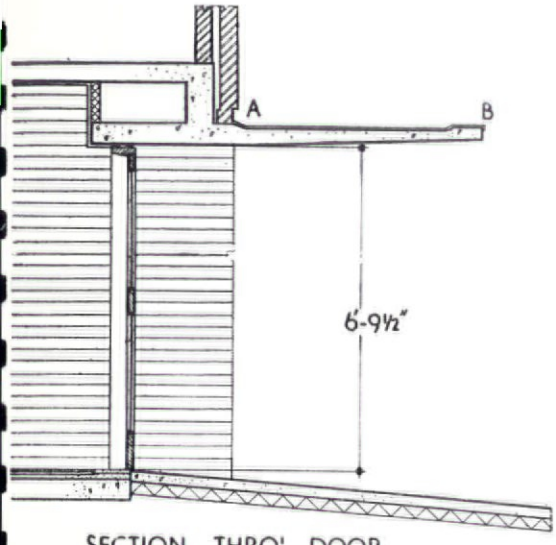
DETAIL AT B. scale ¼ full size

CANOPY OVER ENTRANCE DOOR : FLATS AT STEVENAGE

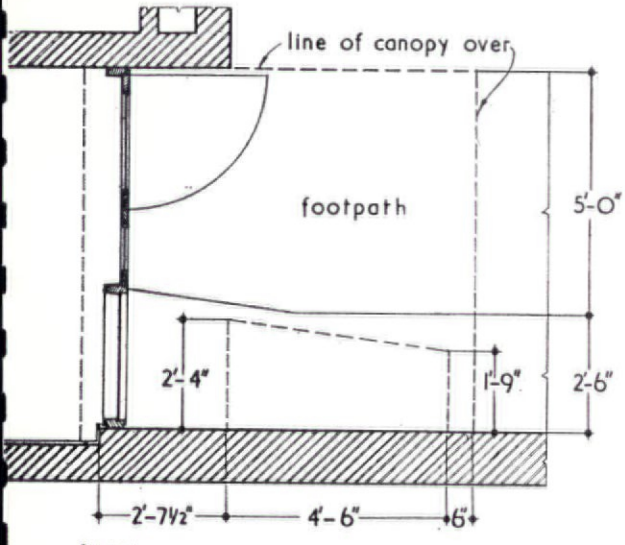
DESIGNED BY F. R. S. YORKE, E. ROSENBERG AND C. S. MARDALL
IN COLLABORATION WITH C. HOLLIDAY

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

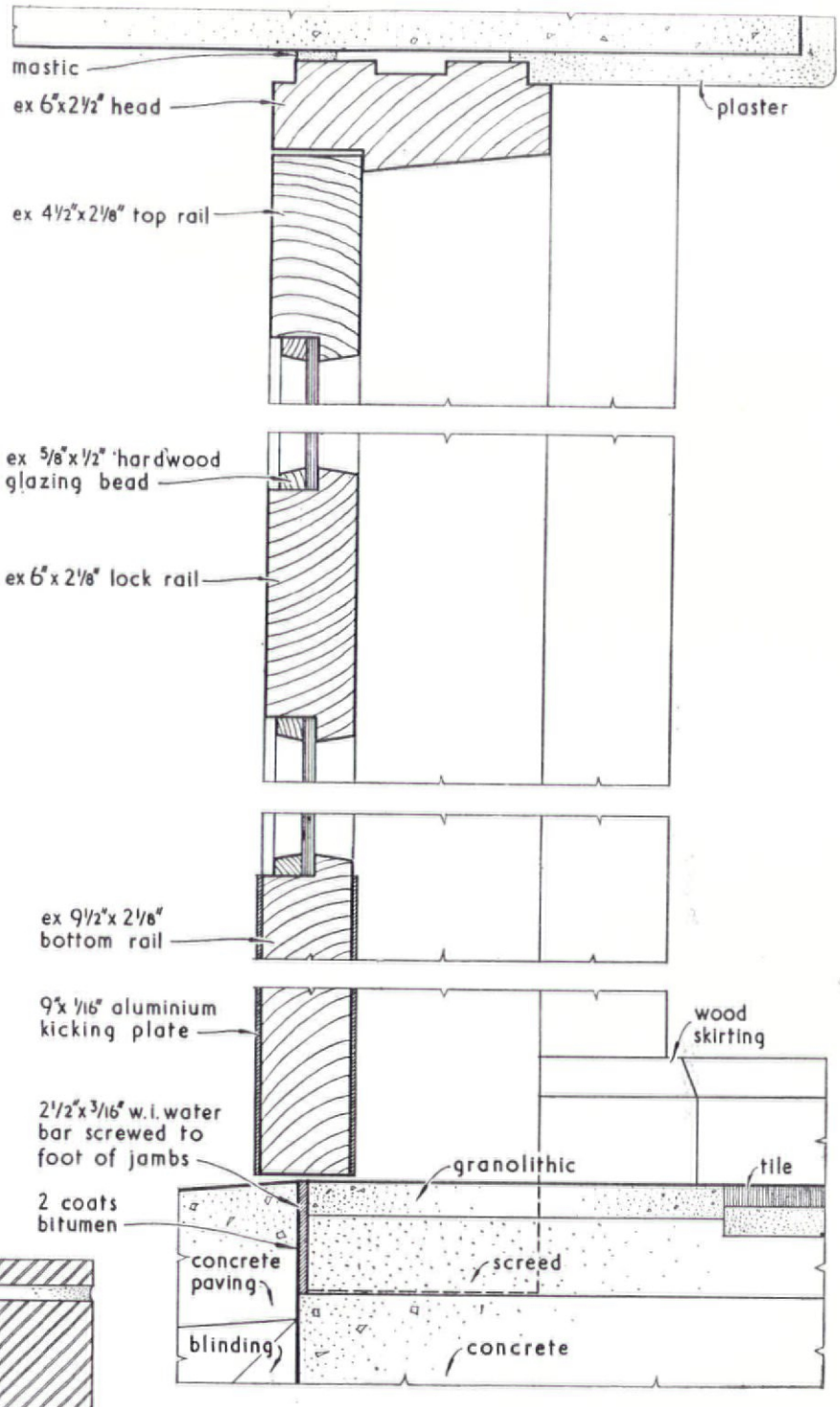




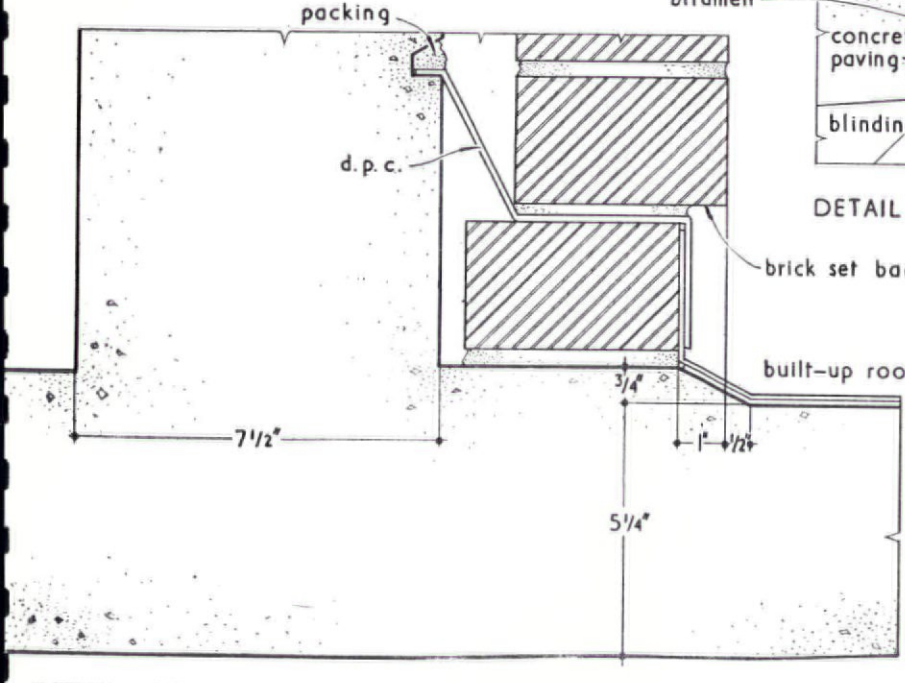
SECTION THRO' DOOR.
scale 1/4"= 1'-0"



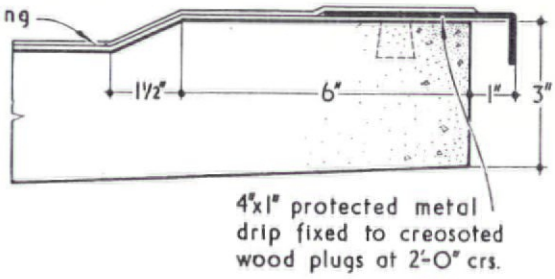
PLAN.
scale 1/4" = 1'-0"



DETAIL THRO' DOOR. scale 1/4 full size.



DETAIL AT A. scale ¼ full size

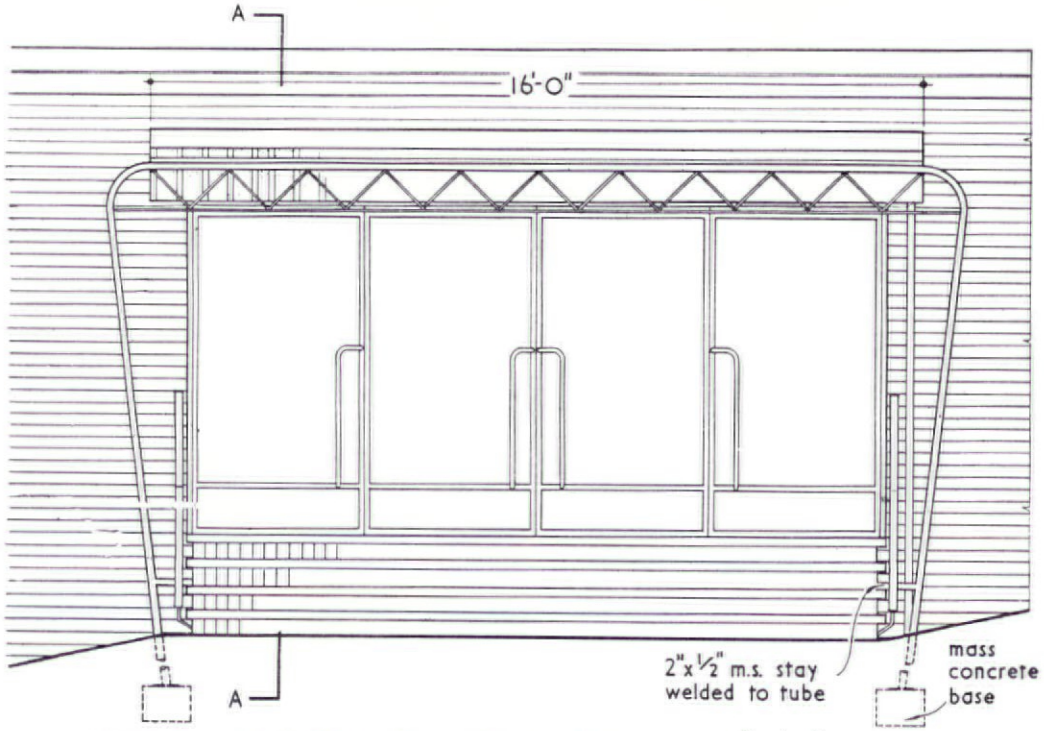


DETAIL AT B. scale ¼ full size

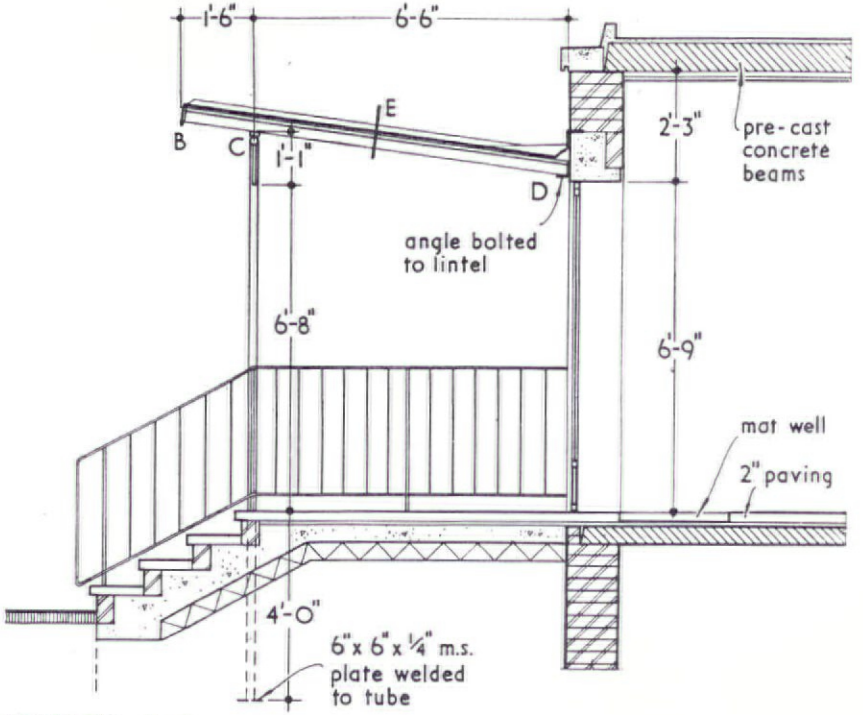
CANOPY OVER ENTRANCE DOORS : SCHOOL AT ST. PAUL'S CRAY

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

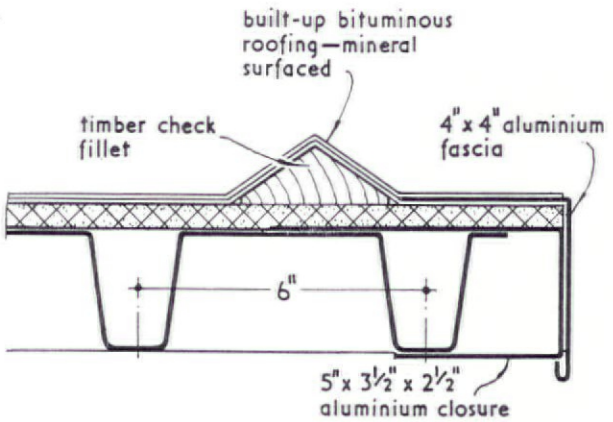
The canopy is of aluminium decking and is supported at the front by a tubular steel frame and at the wall on a steel angle



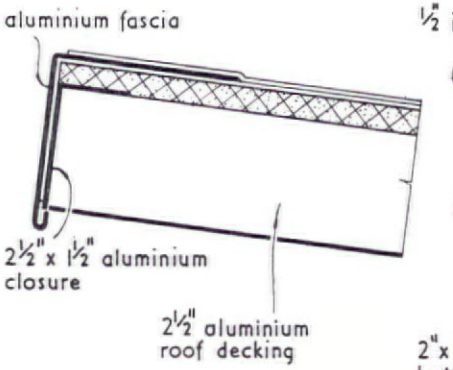
ELEVATION OF ENTRANCE AND CANOPY. scale ¼" = 1'-0"



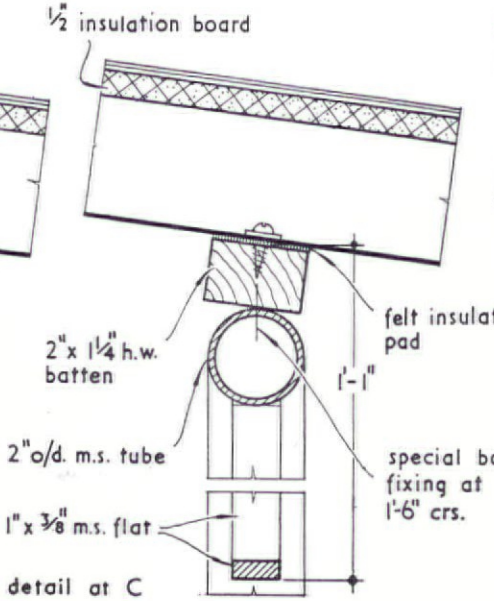
SECTION A-A.



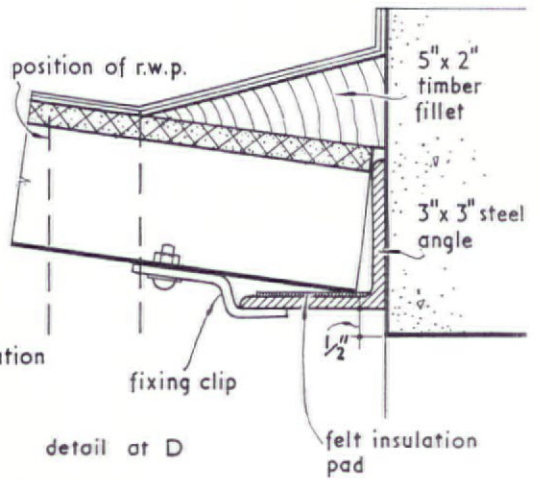
section thro' verge at E



detail at B



detail at C



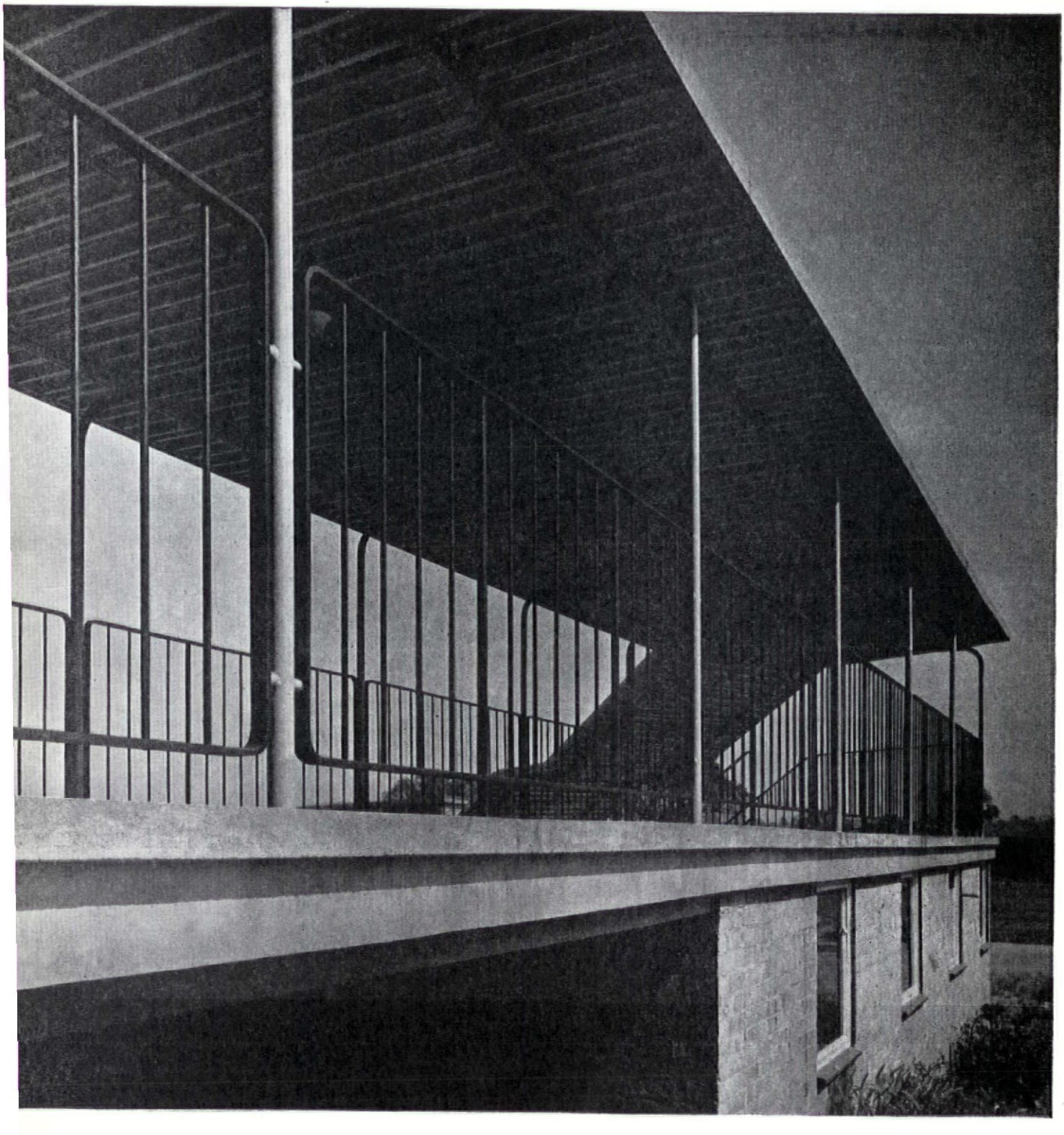
detail at D

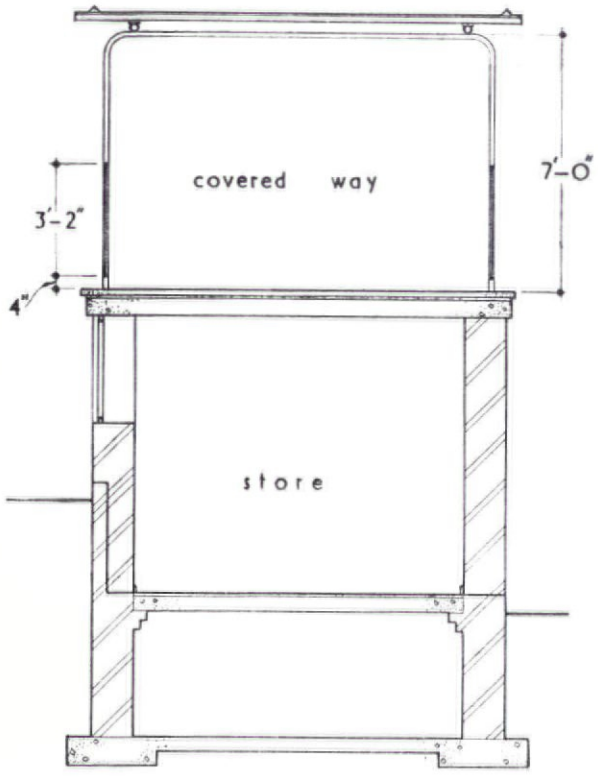
DETAILS OF CANOPY. scale ¼ full size

COVERED WAY: SCHOOL AT ST. PAUL'S CRAY

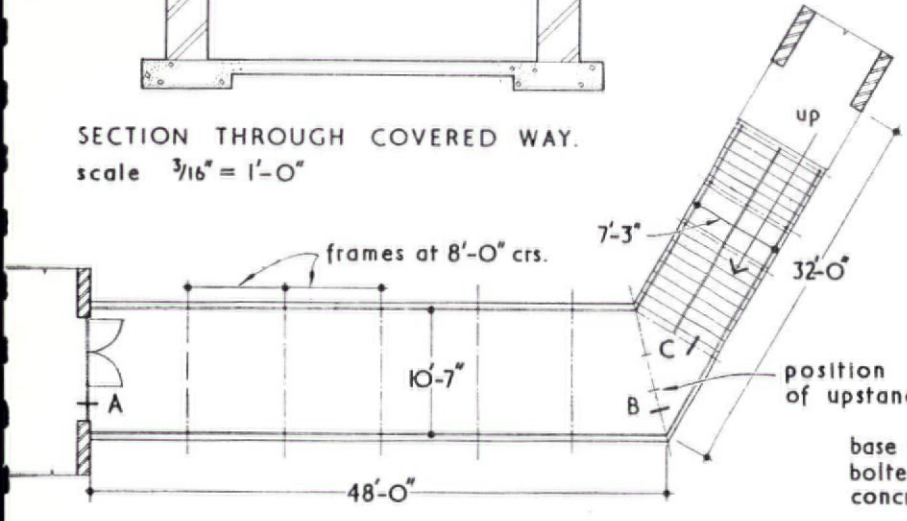
DESIGNED BY ELIE MAYORCAS IN COLLABORATION WITH S. H. LOWETH (architect to the Kent County Council)

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

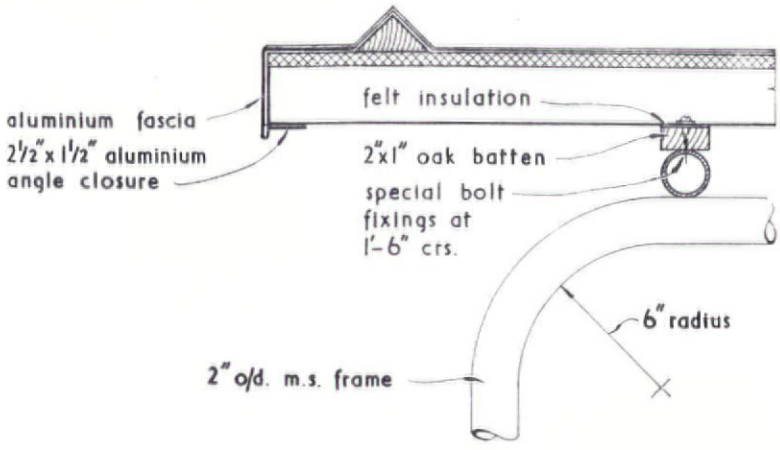


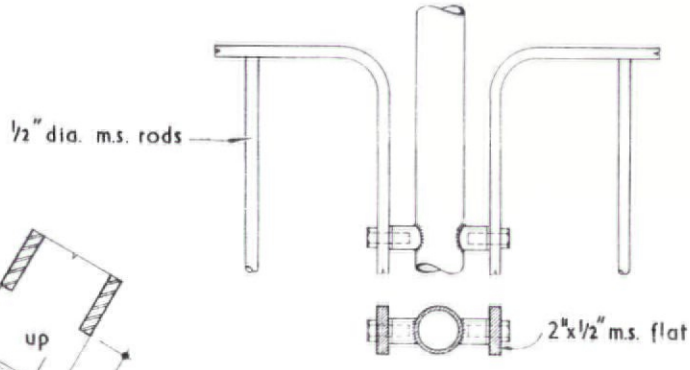


SECTION THROUGH COVERED WAY.
scale 3/16" = 1'-0"

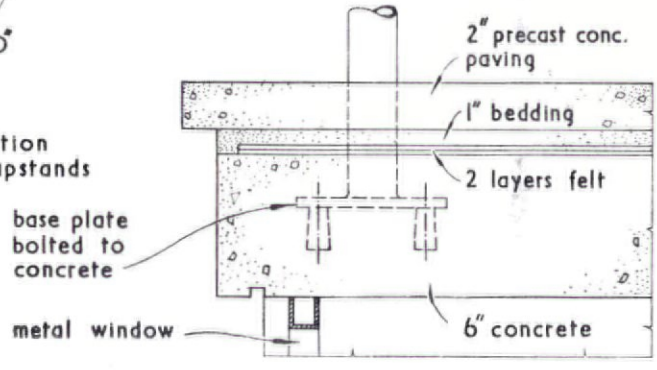


PLAN. scale 1/16" = 1'-0"

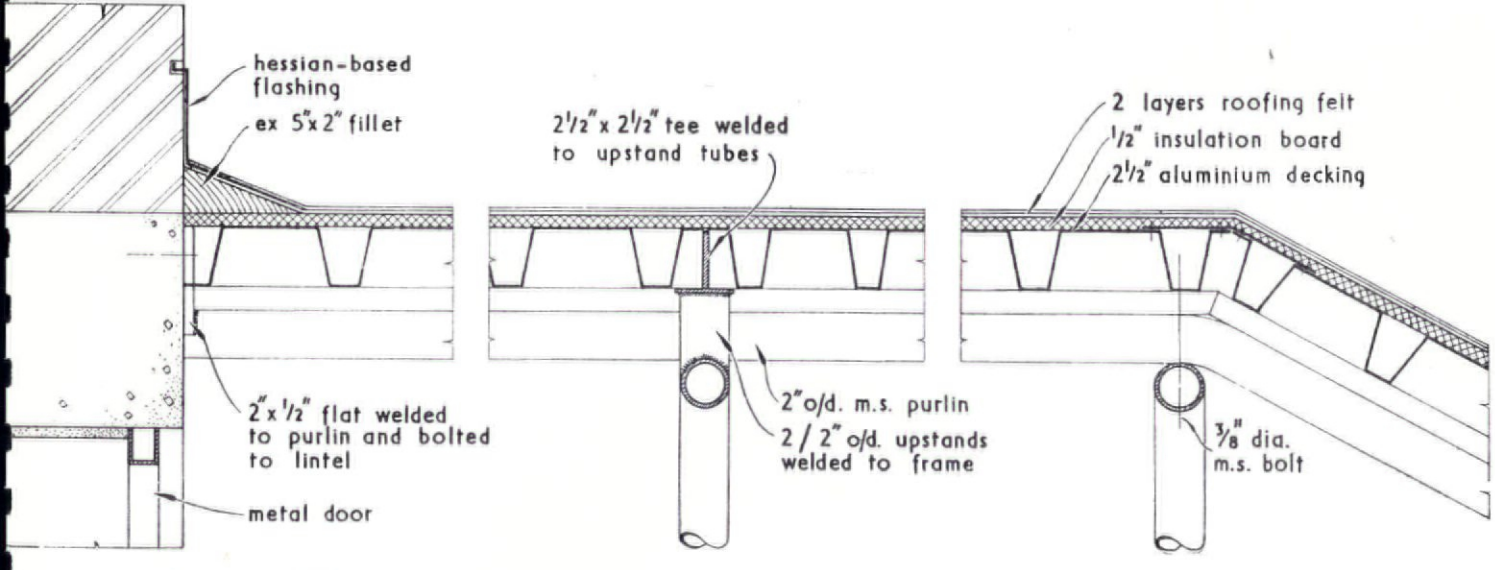




plan and elevation of balustrade



DETAIL OF FRAME.
scale 1½" = 1'-0"

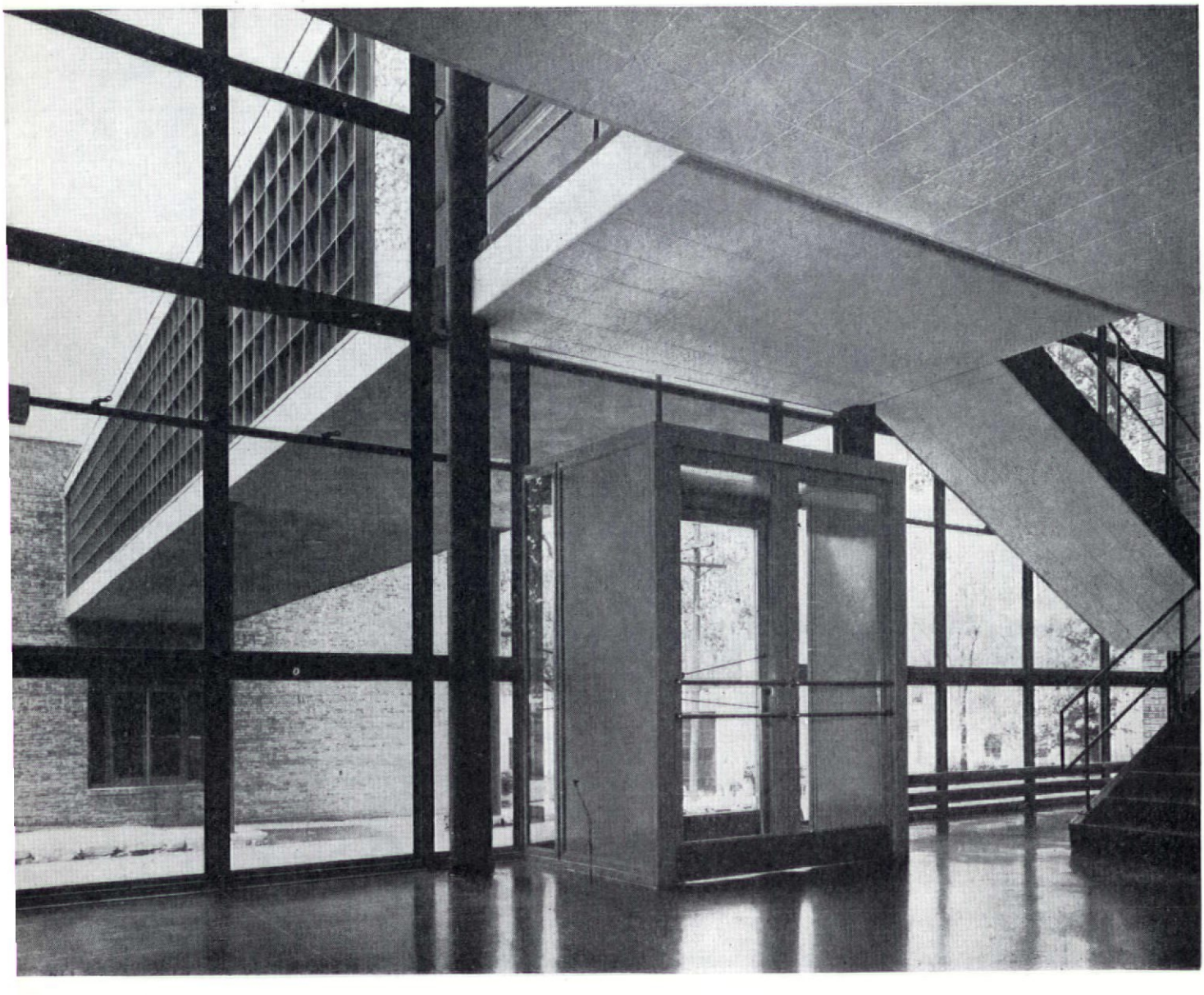


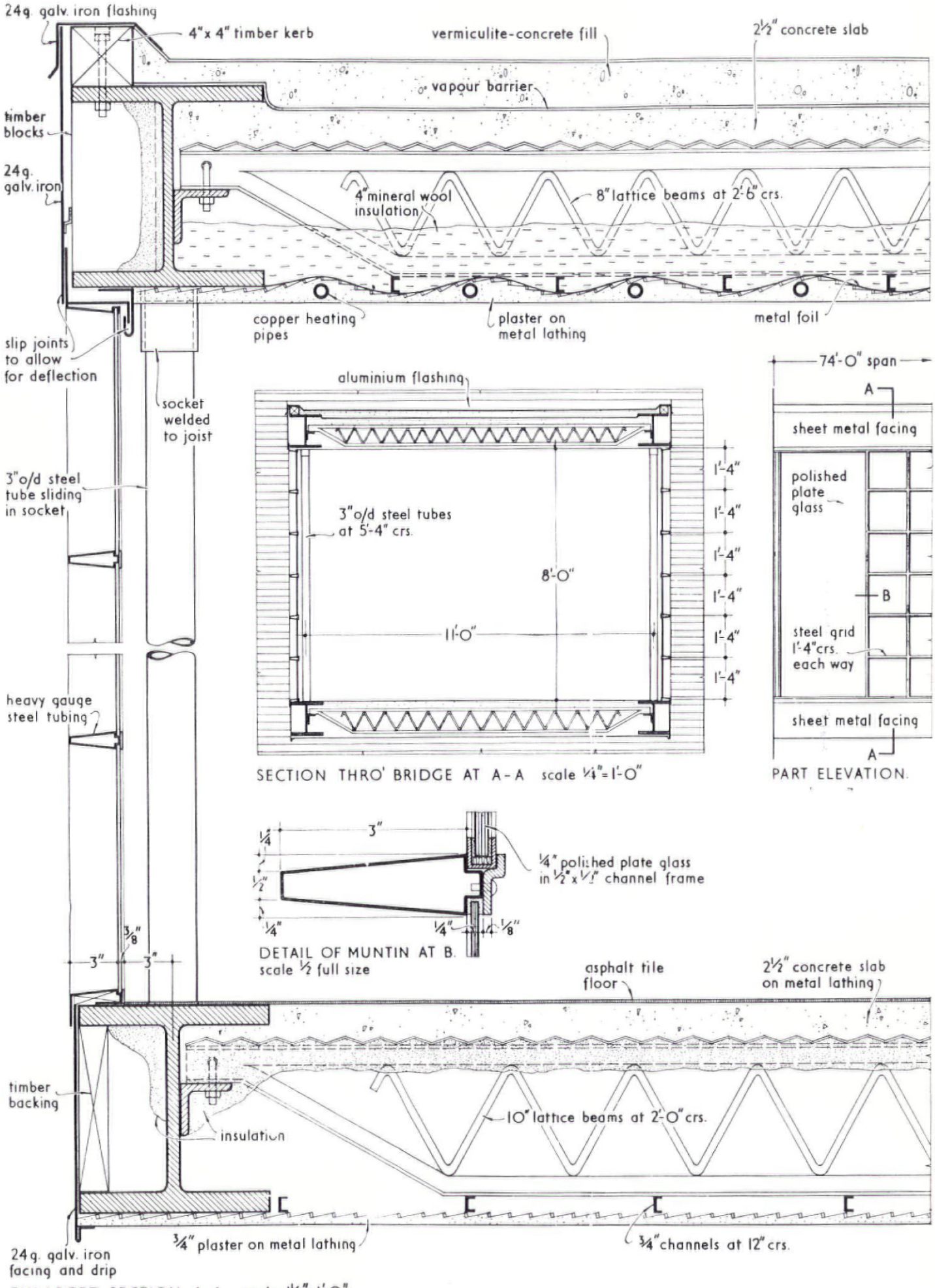
DETAILS OF ROOF AT A, B AND C. scale 1½" = 1'-0"

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

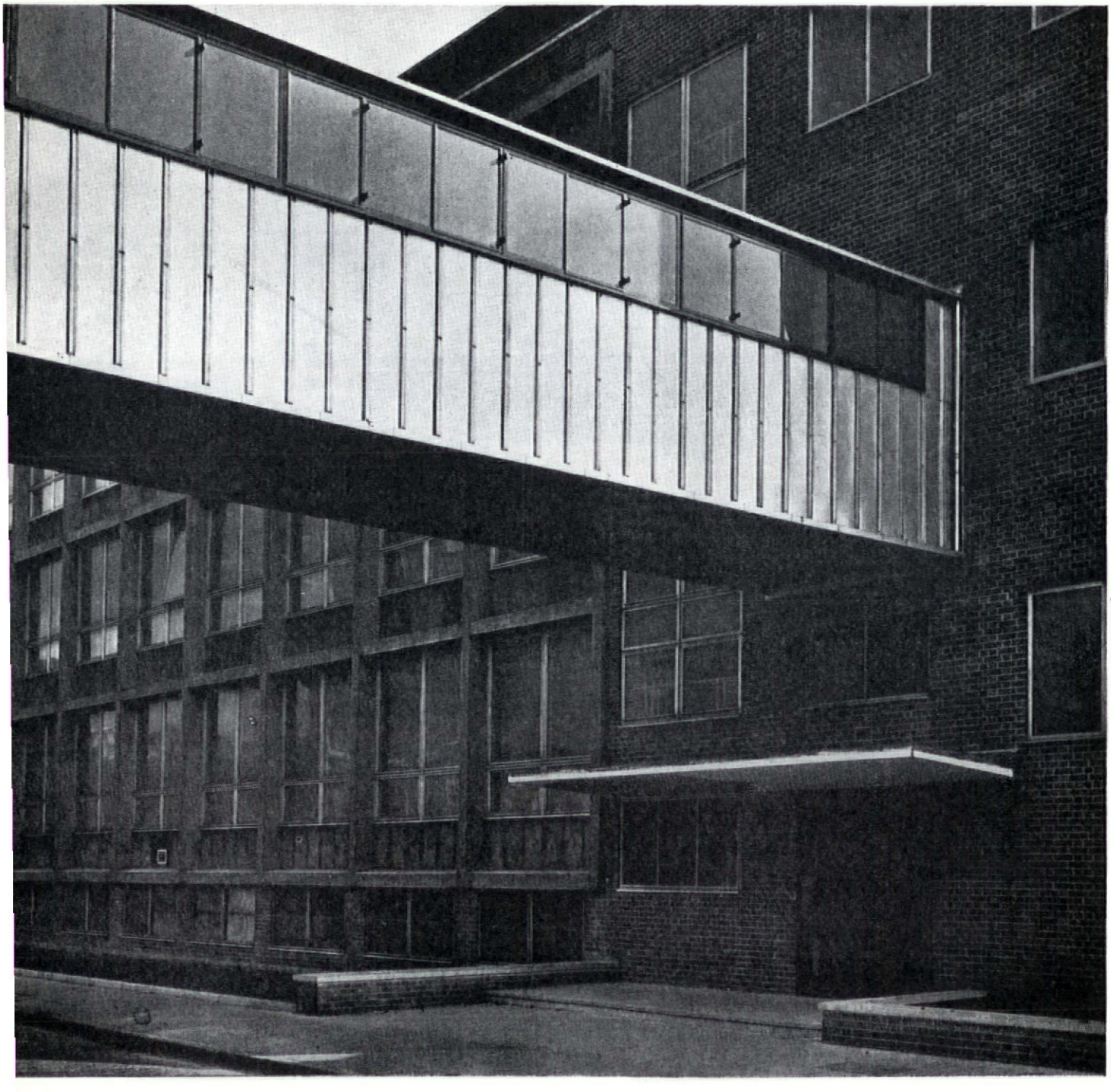


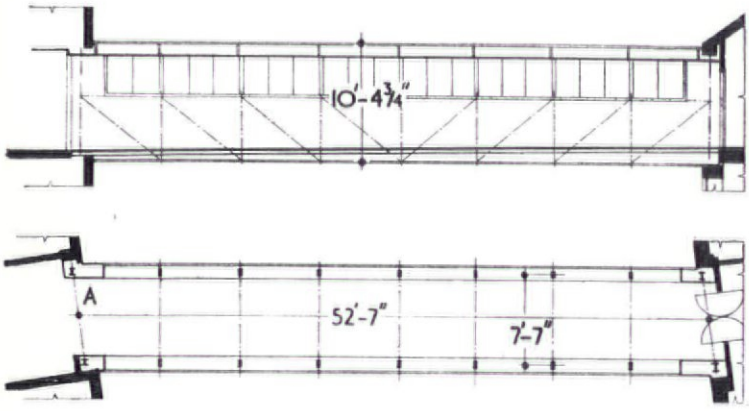

24g. galv. iron flashing
4"x 4" timber kerb
vermiculite-concrete fill
2½" concrete slab
vapour barrier
timber blocks
24g. galv. iron
4" mineral wool insulation
8" lattice beams at 2'-6" crs.
copper heating pipes
plaster on metal lathing
metal foil
slip joints to allow for deflection
socket welded to joist
3"o/d steel tube sliding in socket
heavy gauge steel tubing
aluminium flashing
3"o/d steel tubes at 5'-4" crs.
8'-0"
11'-0"
1'-4"
1'-4"
1'-4"
1'-4"
1'-4"
1'-4"
SECTION THRO' BRIDGE AT A-A scale ¼"=1'-0"
74'-0" span
A
sheet metal facing
polished plate glass
B
steel grid 1'-4" crs. each way
sheet metal facing
A
PART ELEVATION.
¼"
3"
½"
¼"
¼"
⅛"
¼" polished plate glass in ½"x½" channel frame
DETAIL OF MUNTIN AT B.
scale ½ full size
3⅜"
3"
3"
asphalt tile floor
2½" concrete slab on metal lathing
timber backing
insulation
10" lattice beams at 2'-0" crs.
¾" plaster on metal lathing
¾" channels at 12" crs.
24g. galv. iron facing and drip
ENLARGED SECTION A-A scale 1½"=1'-0"

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

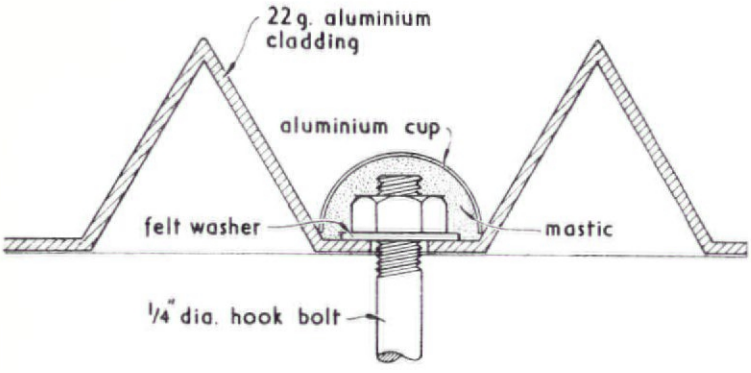
DESIGNED BY NORMAN AND DAWBARN; JOHN MORETON AND PETER CLARK (assistants-in-charge); TRAVERS MORGAN AND PARTNERS (consulting engineers)

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

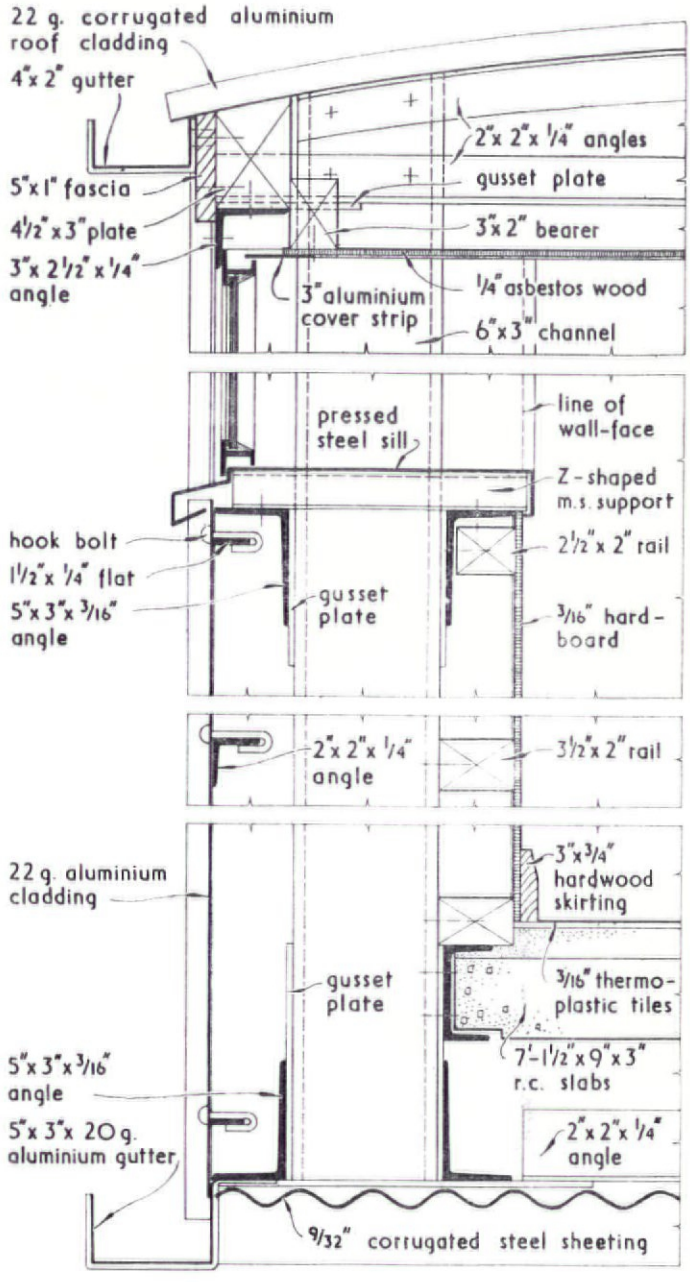




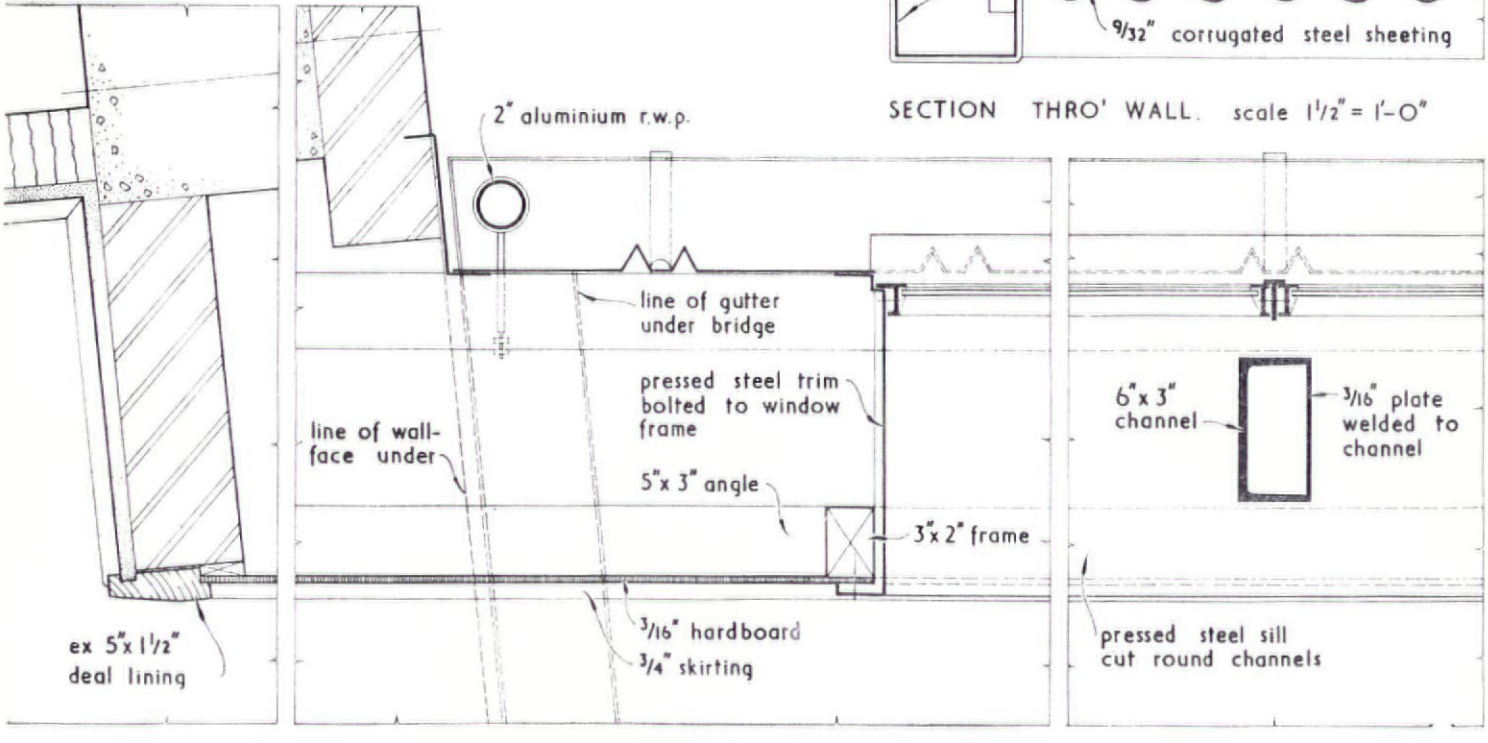
PLAN AND SECTION OF BRIDGE. scale 1/16" = 1'-0"



FIXING OF CLADDING. scale full size



SECTION THRO' WALL. scale 1½" = 1'-0"

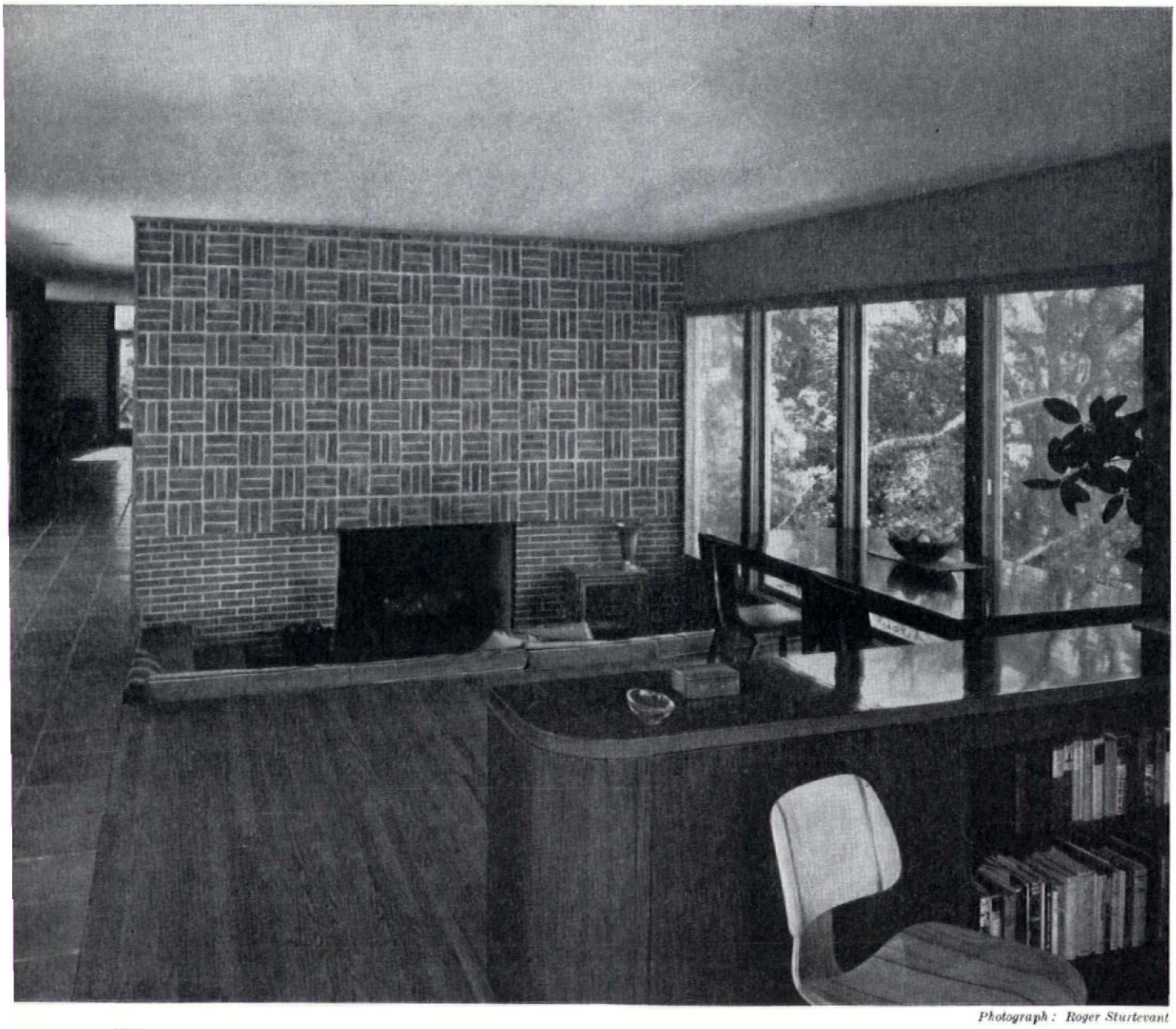


PLAN AT A. scale 1½" = 1'-0"

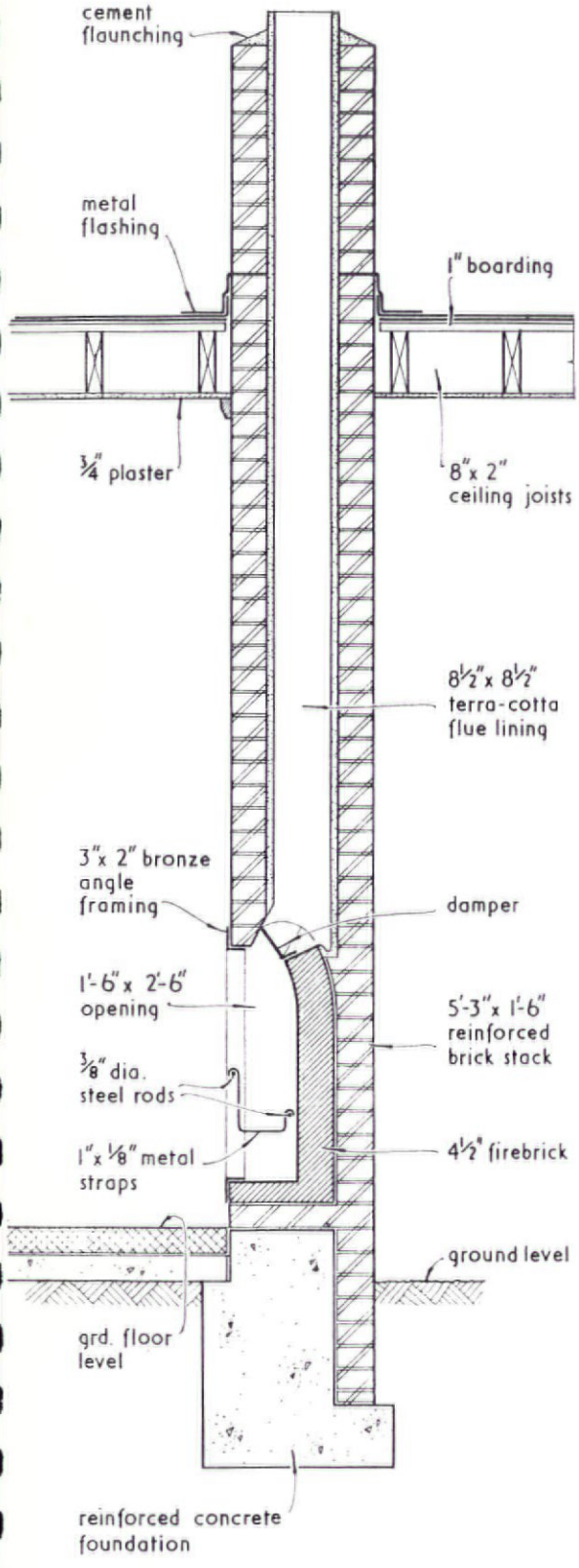
TWO FIREPLACES : HOUSE AT SAN RAFAEL, CALIFORNIA

DESIGNED BY FRANCIS JOSEPH McCARTHY

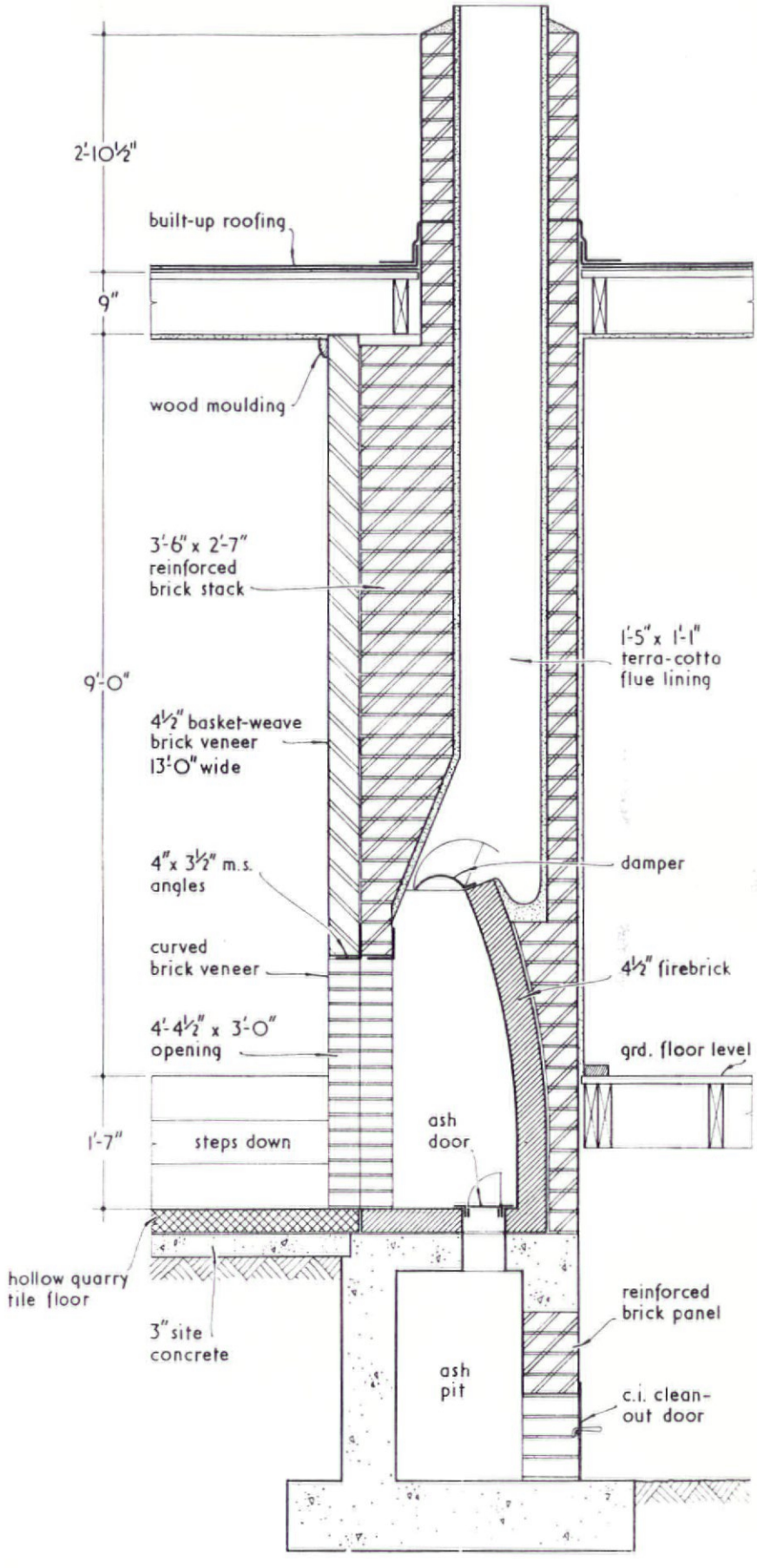
The wide brick fireplace, which forms the end wall of the living-room, has a sunken hearth with a built-in lounge. The study fireplace may be glimpsed on the left of the photograph



Photograph : Roger Sturtevant



SECTION THRO' STUDY FIREPLACE. scale ½" = 1'-0"

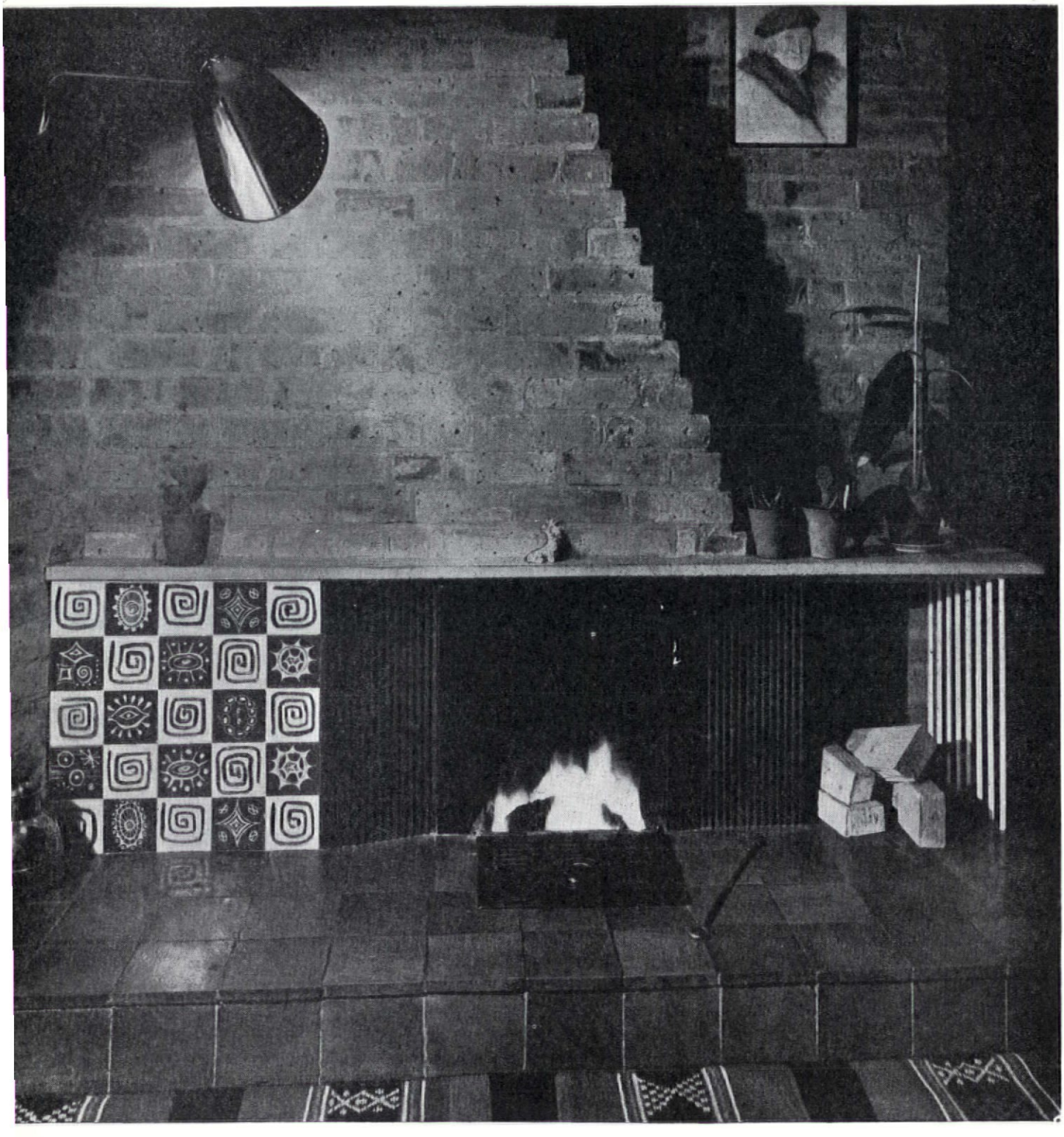


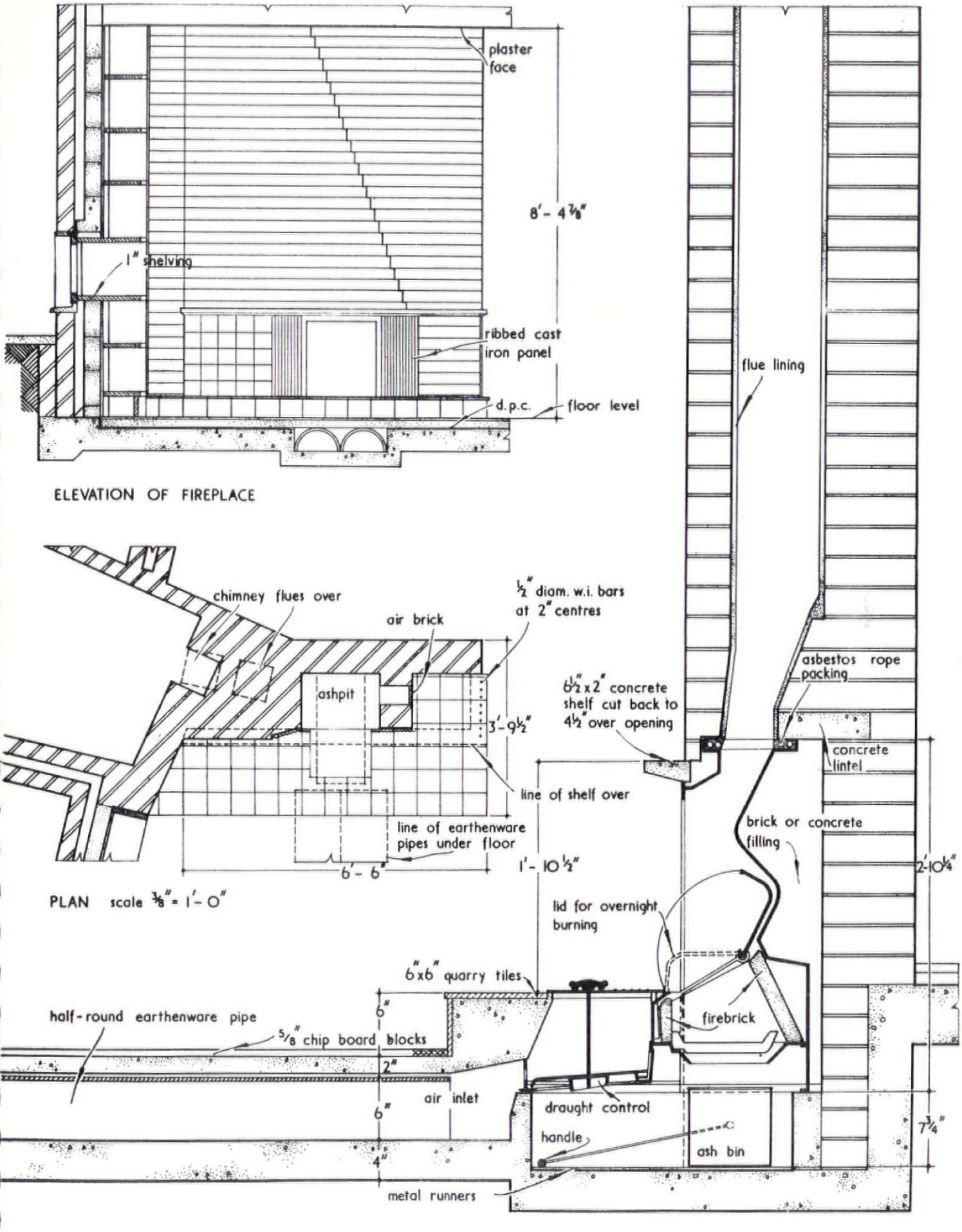
SECTION THRO' LIVING ROOM FIREPLACE. scale ½" = 1'-0"

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

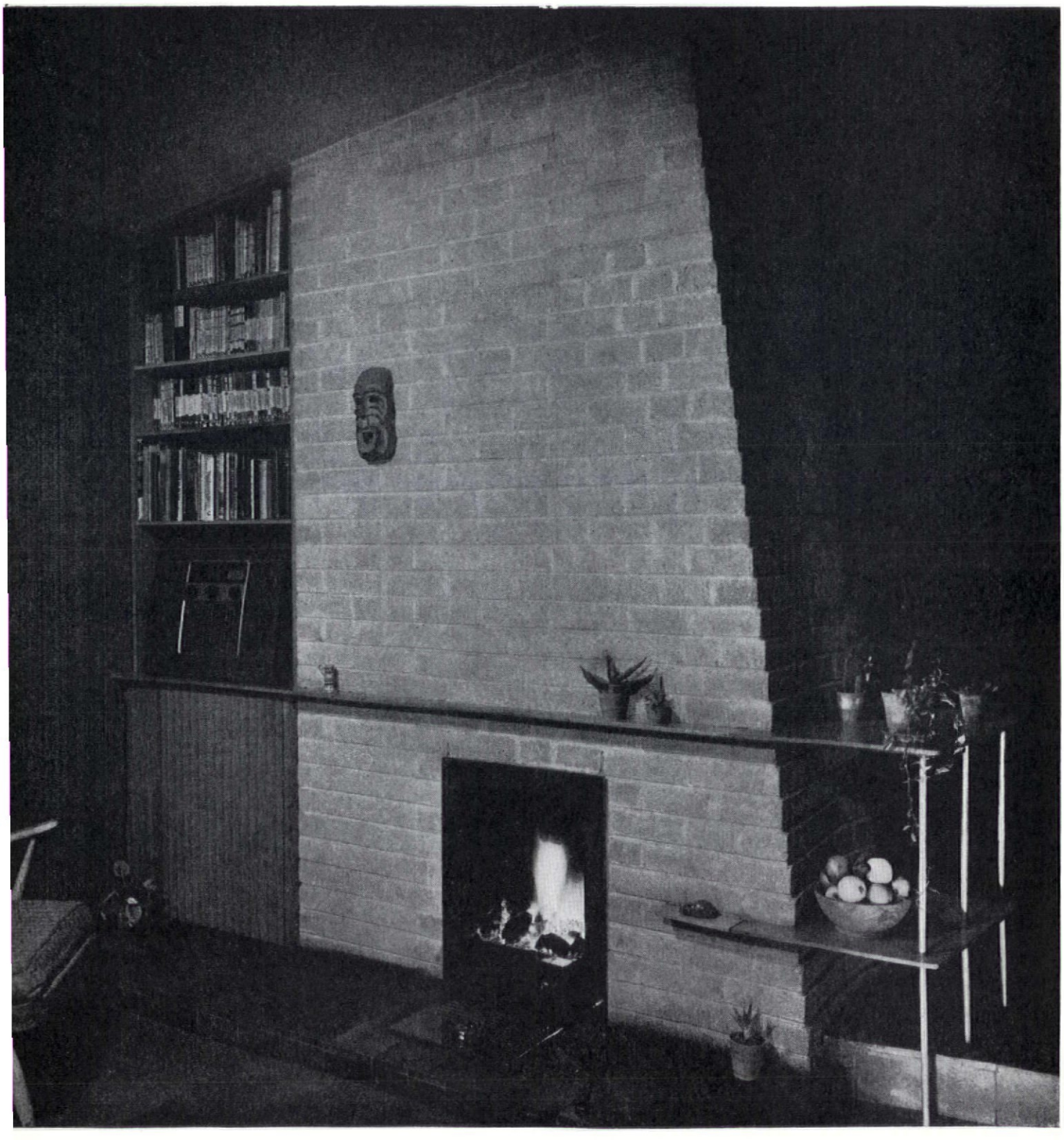


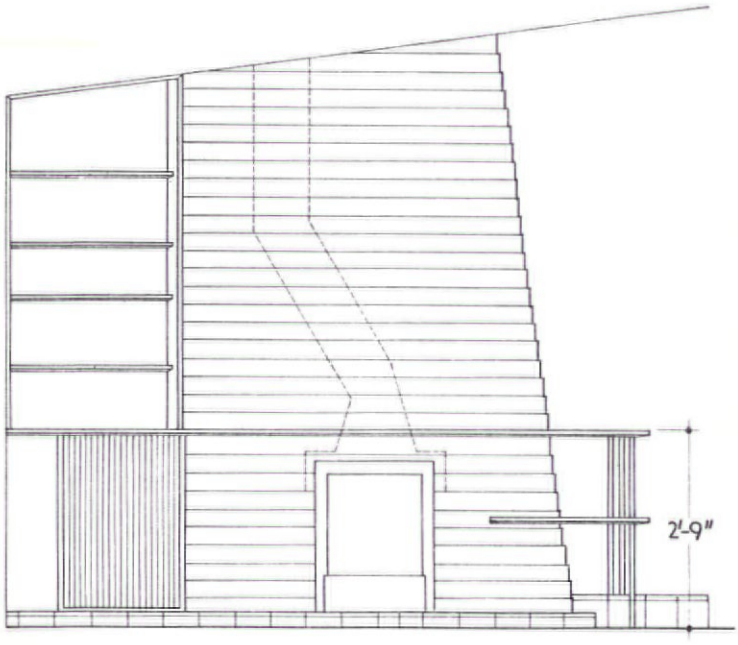

plaster face
8'- 4⅞"
1" shelving
ribbed cast iron panel
d.p.c.
floor level
flue lining
ELEVATION OF FIREPLACE
chimney flues over
air brick
½" diam. w.i. bars at 2" centres
ashpit
3'-9½"
line of shelf over
line of earthenware pipes under floor
6'- 6"
1'- 10½"
PLAN scale ⅜" = 1'- 0"
6½" x 2" concrete shelf cut back to 4½" over opening
asbestos rope packing
concrete lintel
brick or concrete filling
2'-10¼"
lid for overnight burning
6"x6" quarry tiles
6"
half-round earthenware pipe
⅝" chip board blocks
2"
air inlet
6"
4"
metal runners
firebrick
draught control
handle
ash bin
7¾"
SECTION THROUGH FIREPLACE scale 1" = 1'-0"

FIREPLACE : HOUSE AT WELWYN GARDEN CITY

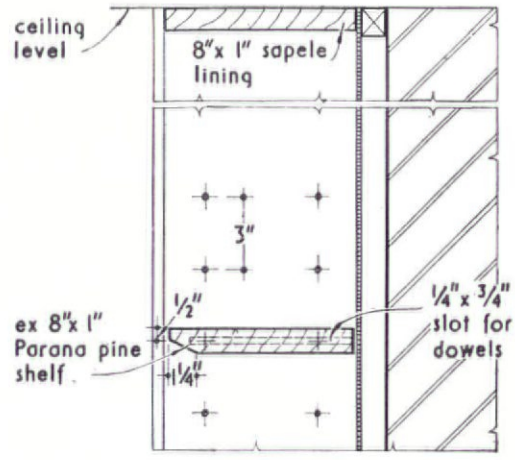
DESIGNED BY RICHARD J. NICHOL

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

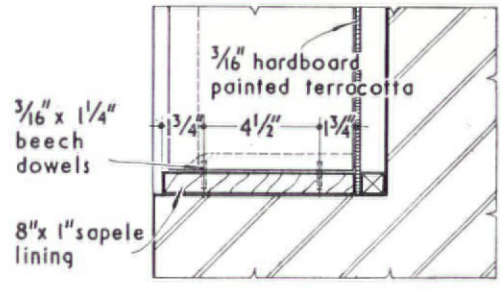




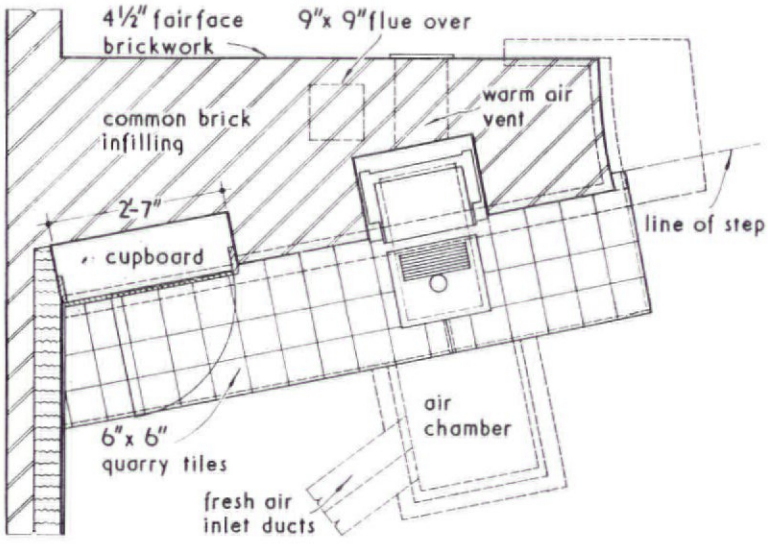
ELEVATION. scale 3/8"=1'-0"



SECTION THRO' SHELF.
scale 1½"= 1'-0"



PLAN OF SHELF.
scale 1½"= 1'-0"



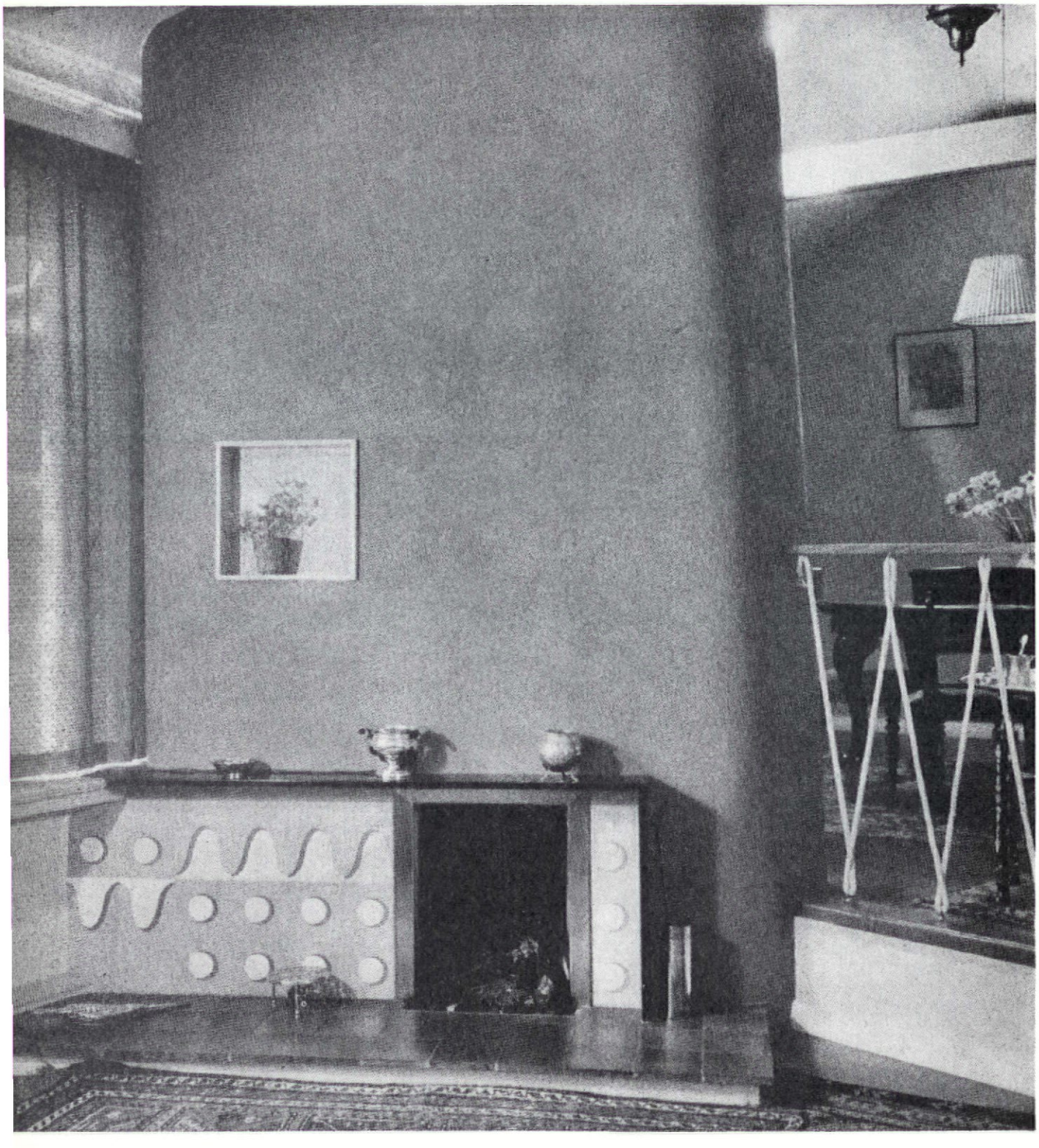
PLAN. scale 3/8"=1'-0"

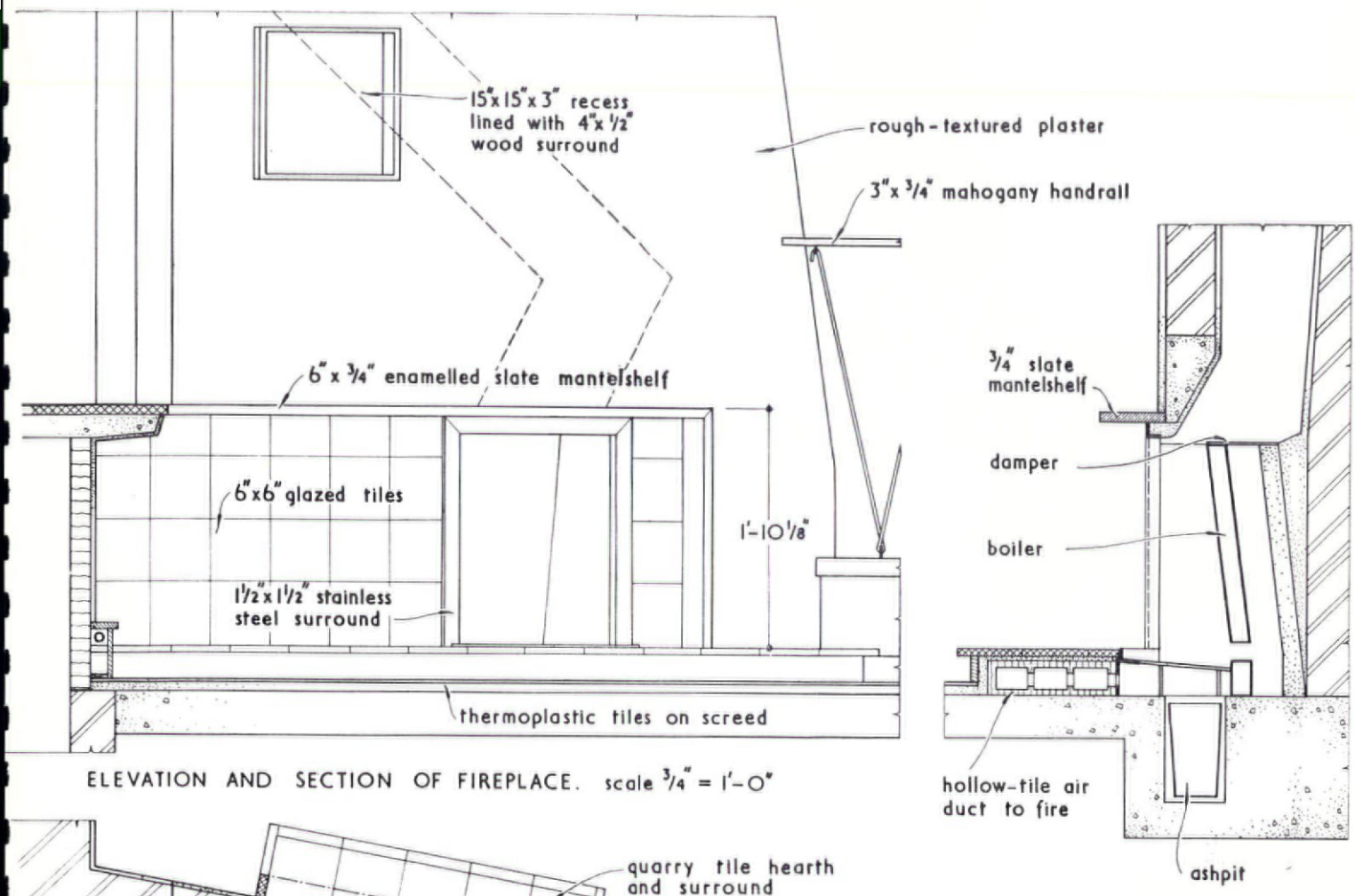
SECTION THRO' FIREPLACE. scale 3/4"= 1'-0"

FIREPLACE : HOUSE AT BEDFORD

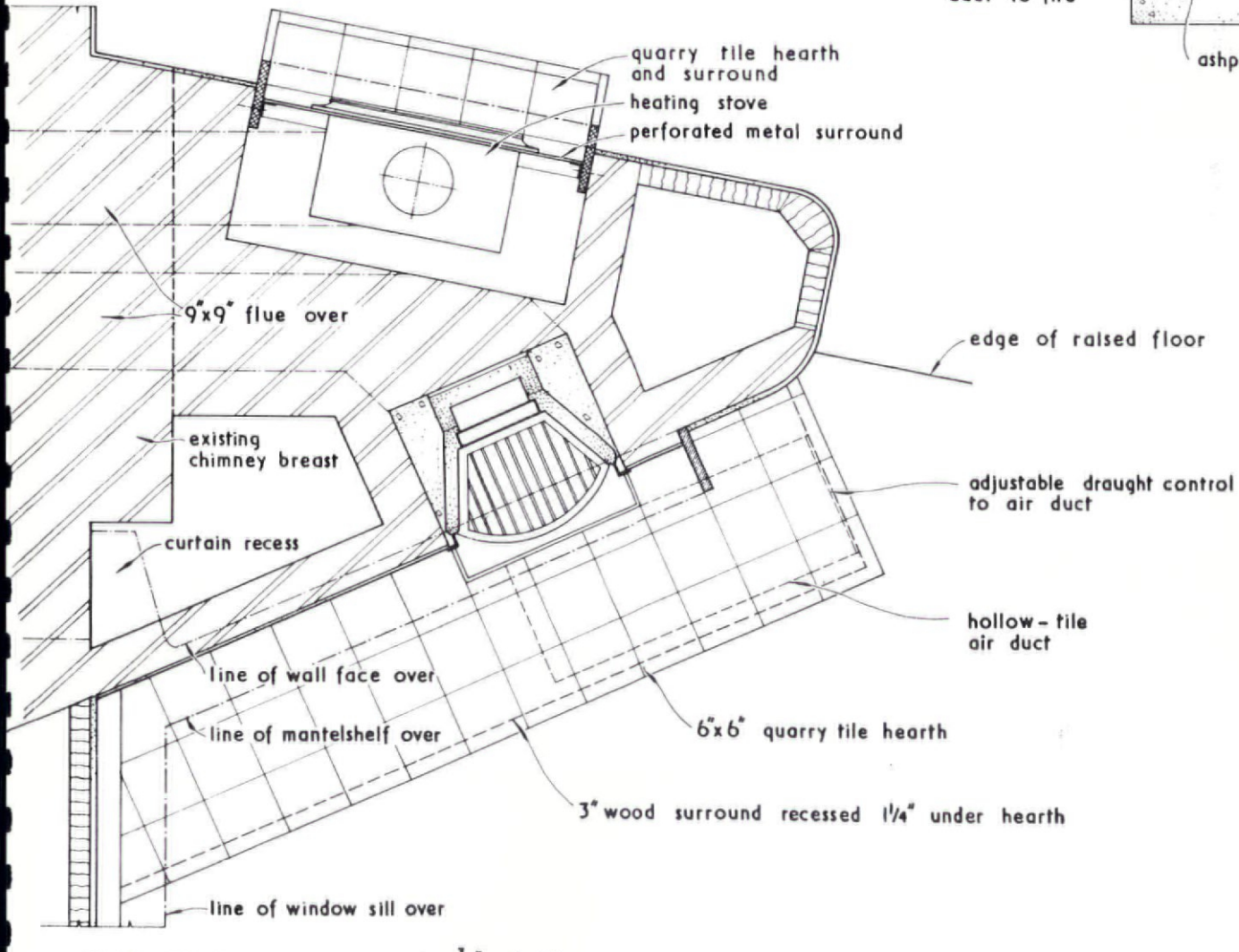
DESIGNED BY IAN WARWICK

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





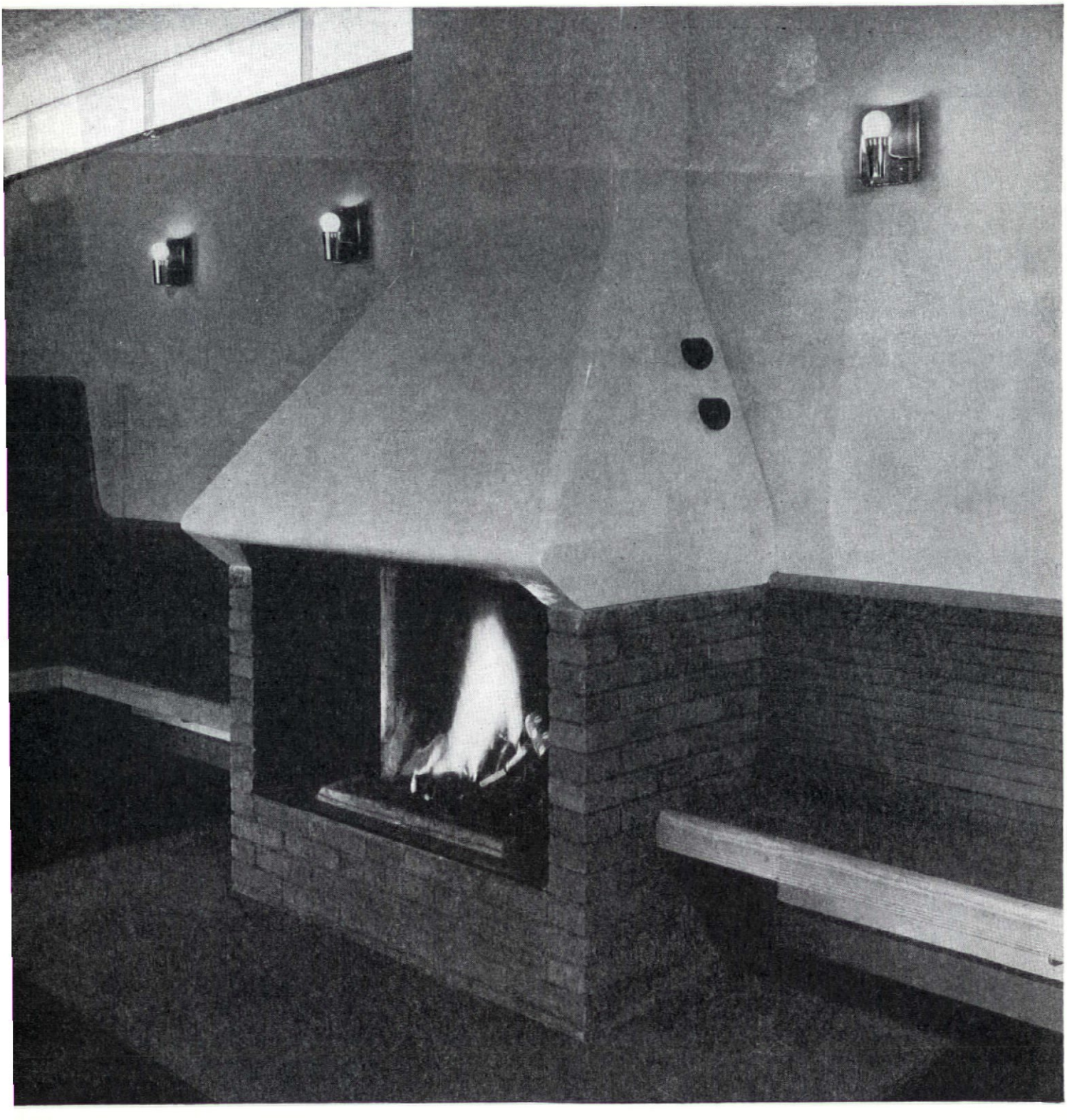
ELEVATION AND SECTION OF FIREPLACE. scale ¾" = 1'-0"

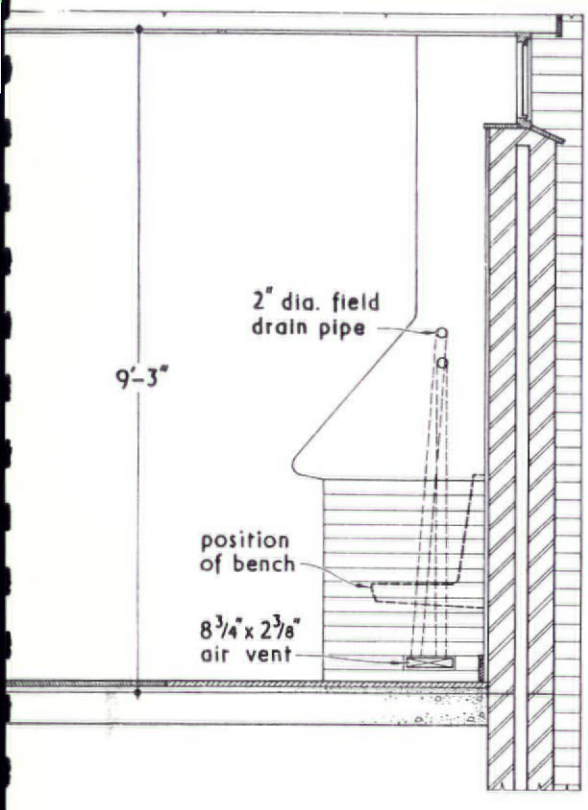


PLAN OF FIREPLACE. scale ¾" = 1'-0"

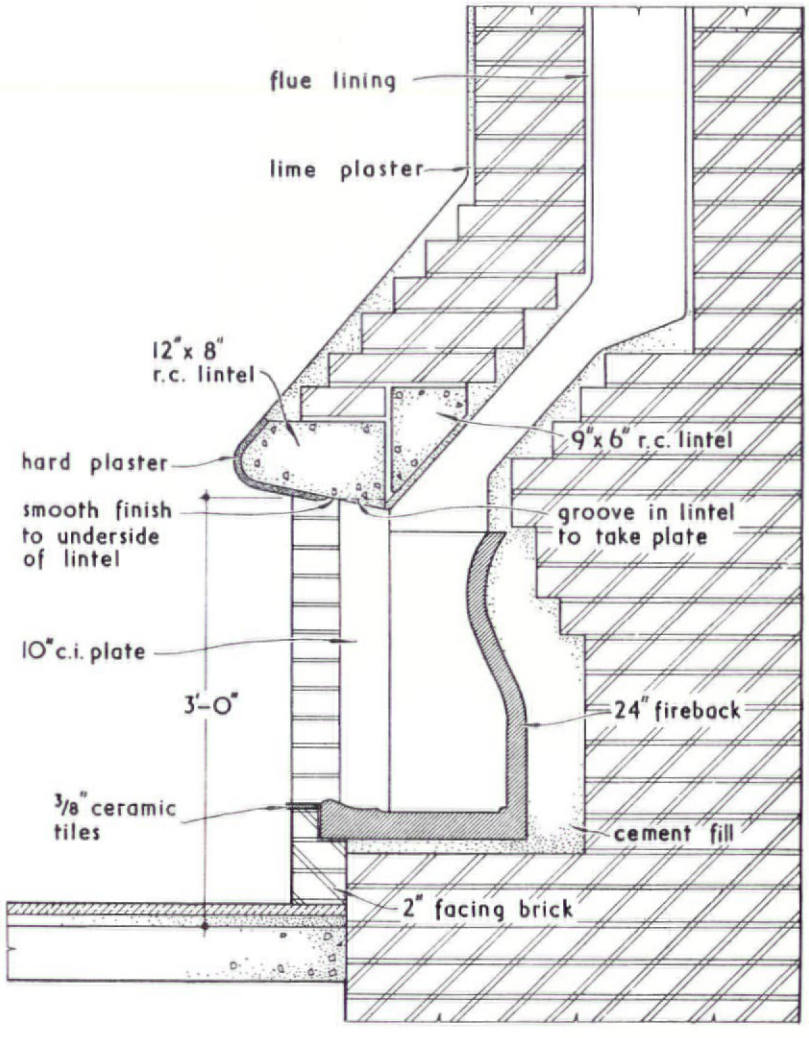
FIREPLACE IN PUBLIC BAR : PUBLIC HOUSE AT STEVENAGE
DESIGNED BY C. HOLLIDAY, L. G. VINCENT, AND O. CAREY

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

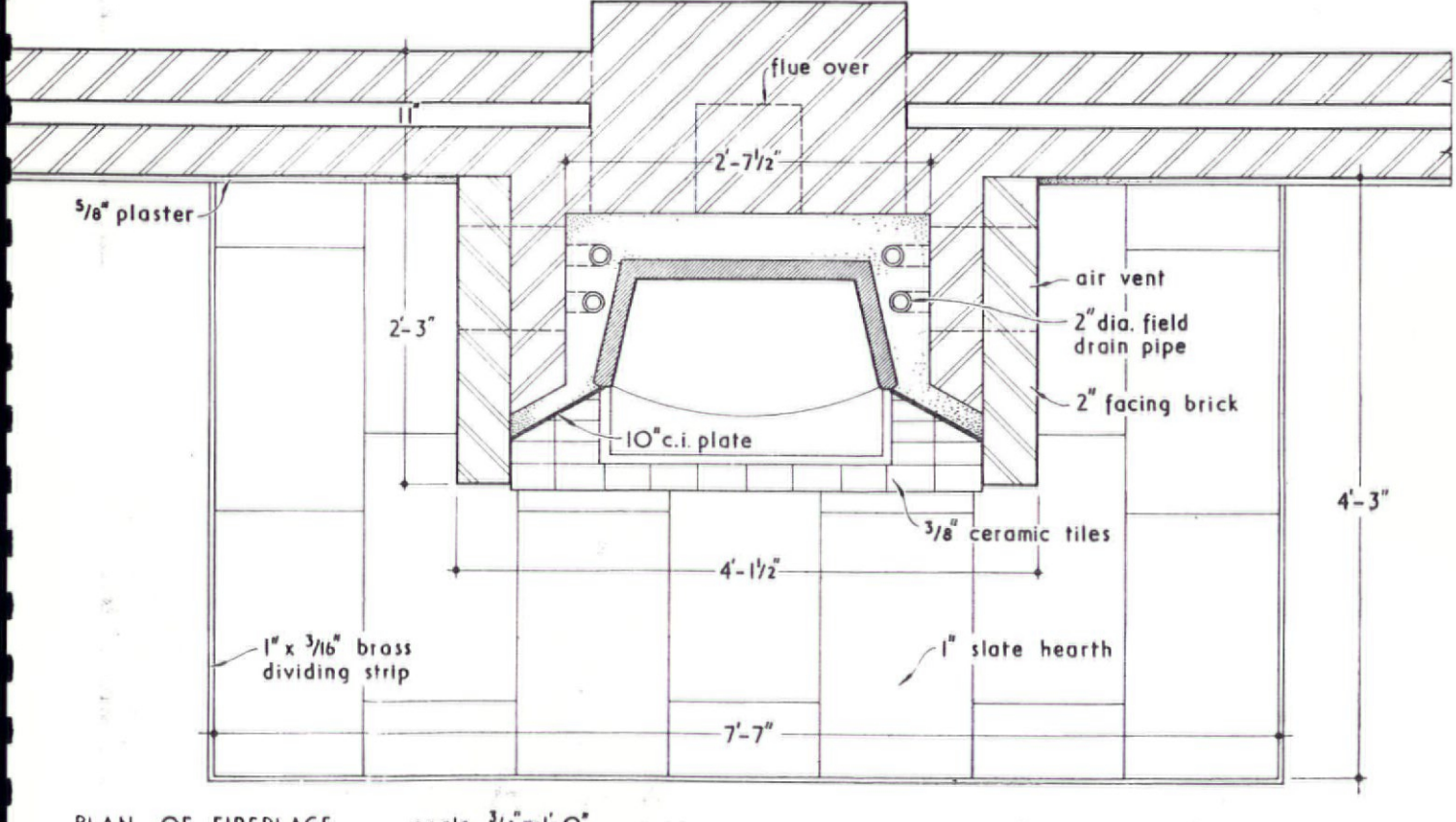




ELEVATION. scale 3/8" = 1'-0"



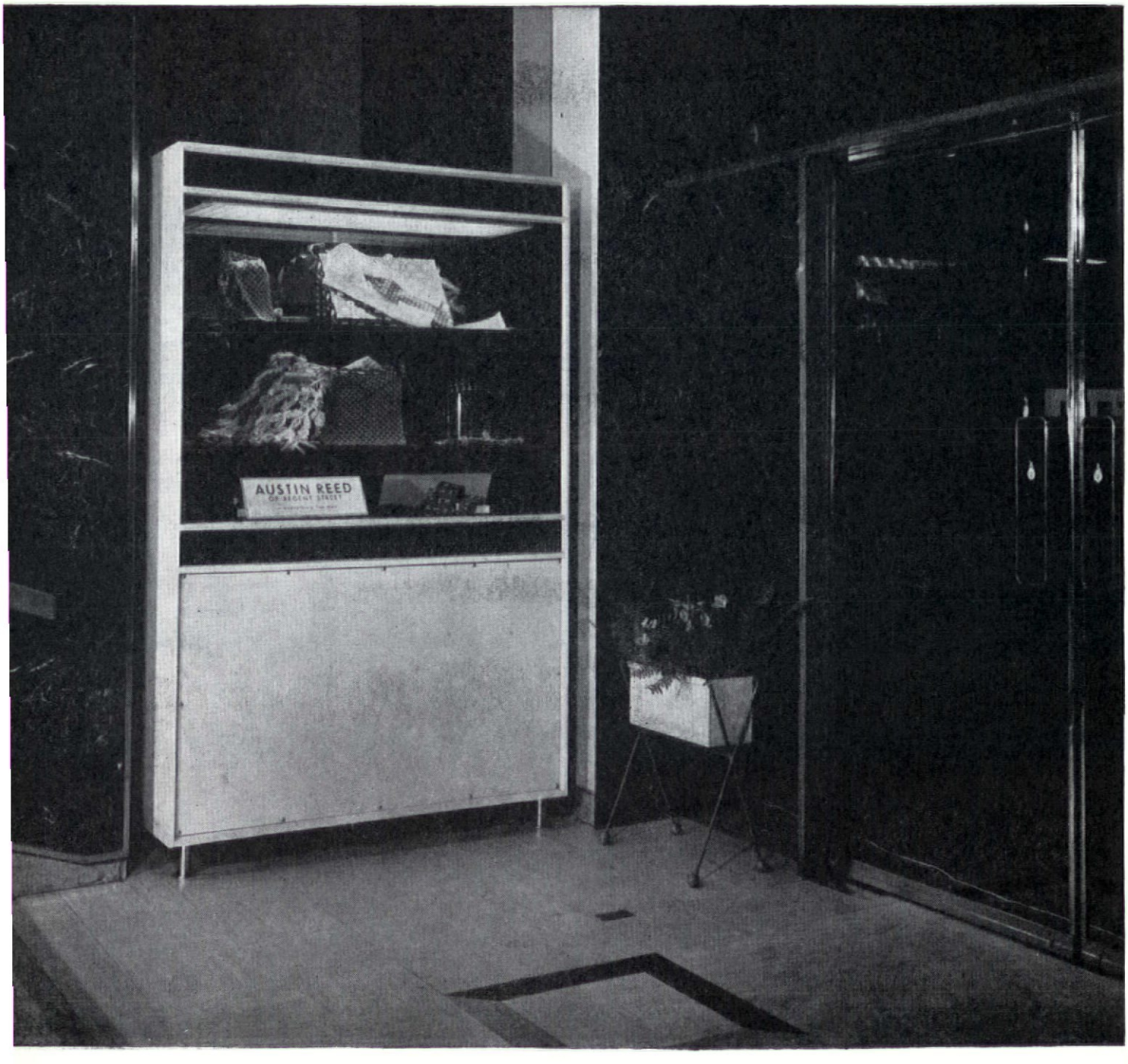
SECTION. scale 3/4" = 1'-0"

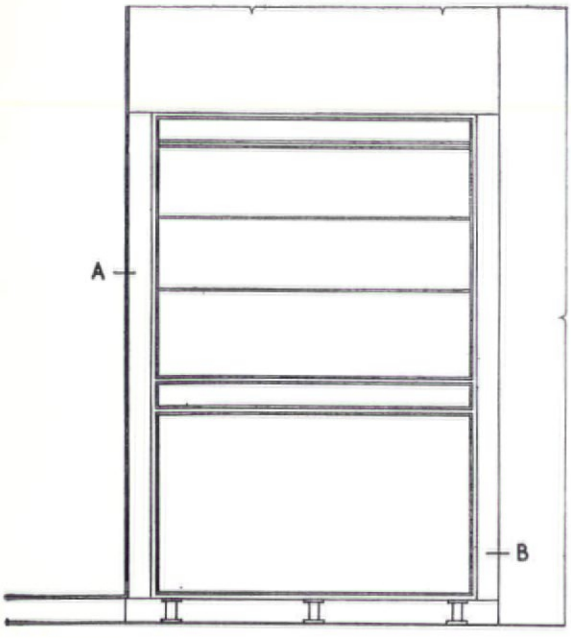


PLAN OF FIREPLACE. scale 3/4" = 1'-0"

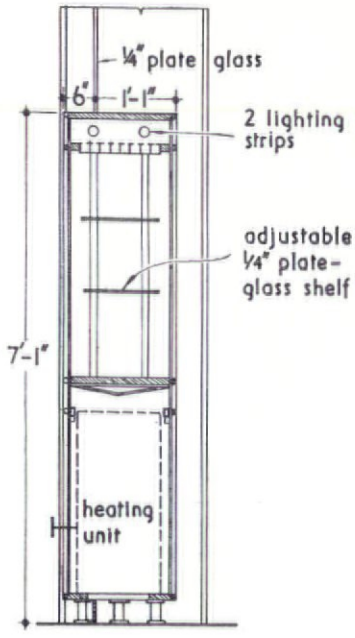
SHOWCASE WITH HEATER : TRAVEL AGENCY IN LONDON, W.1
DESIGNED BY DENNIS LENNON

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

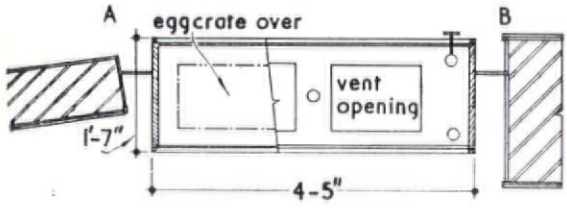




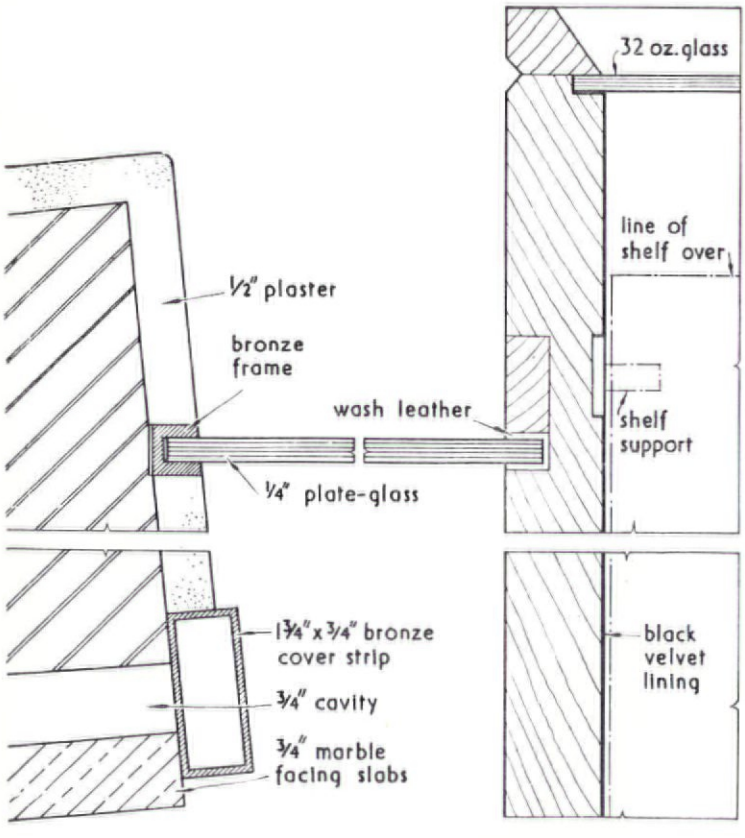
ELEVATION.



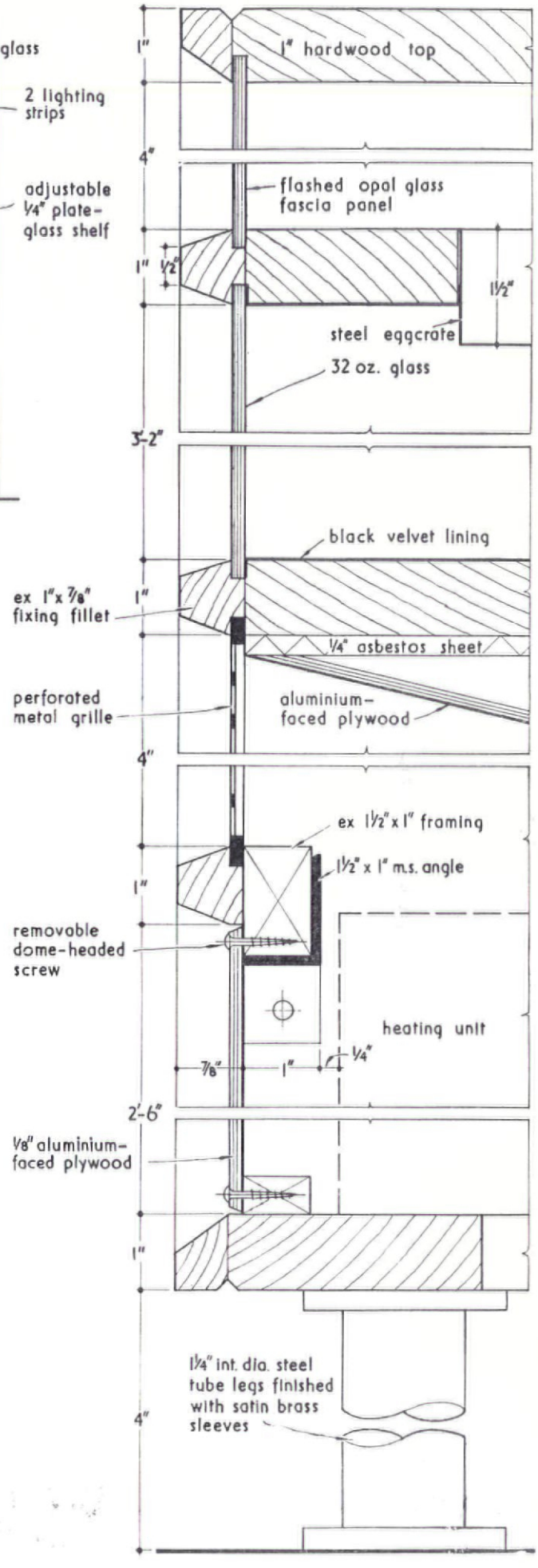
SECTION.



PART PLAN AT A AND B. scale 3/8"= 1' O"



DETAIL AT A. scale ½ full size

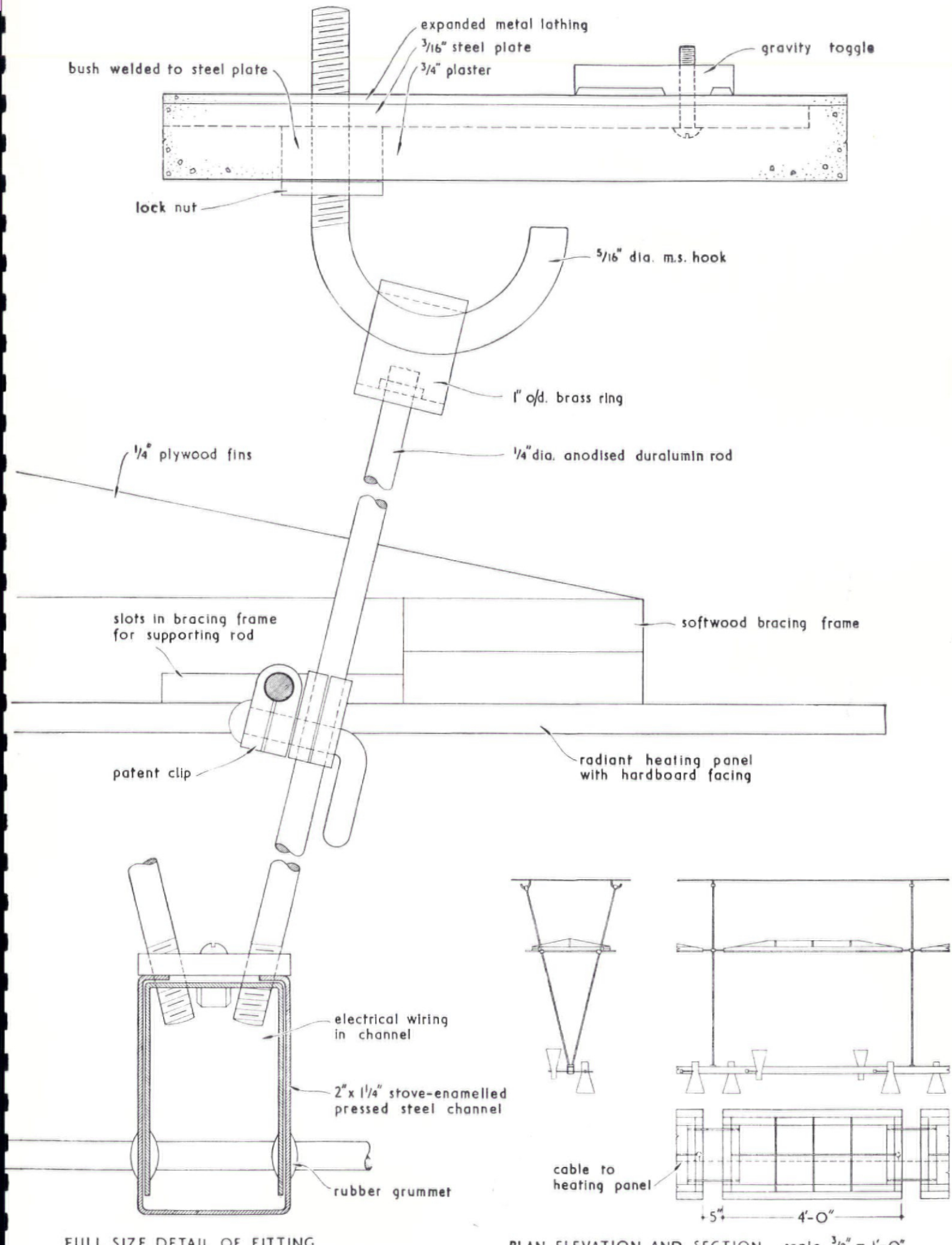


SECTION THROUGH FITTING.

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.



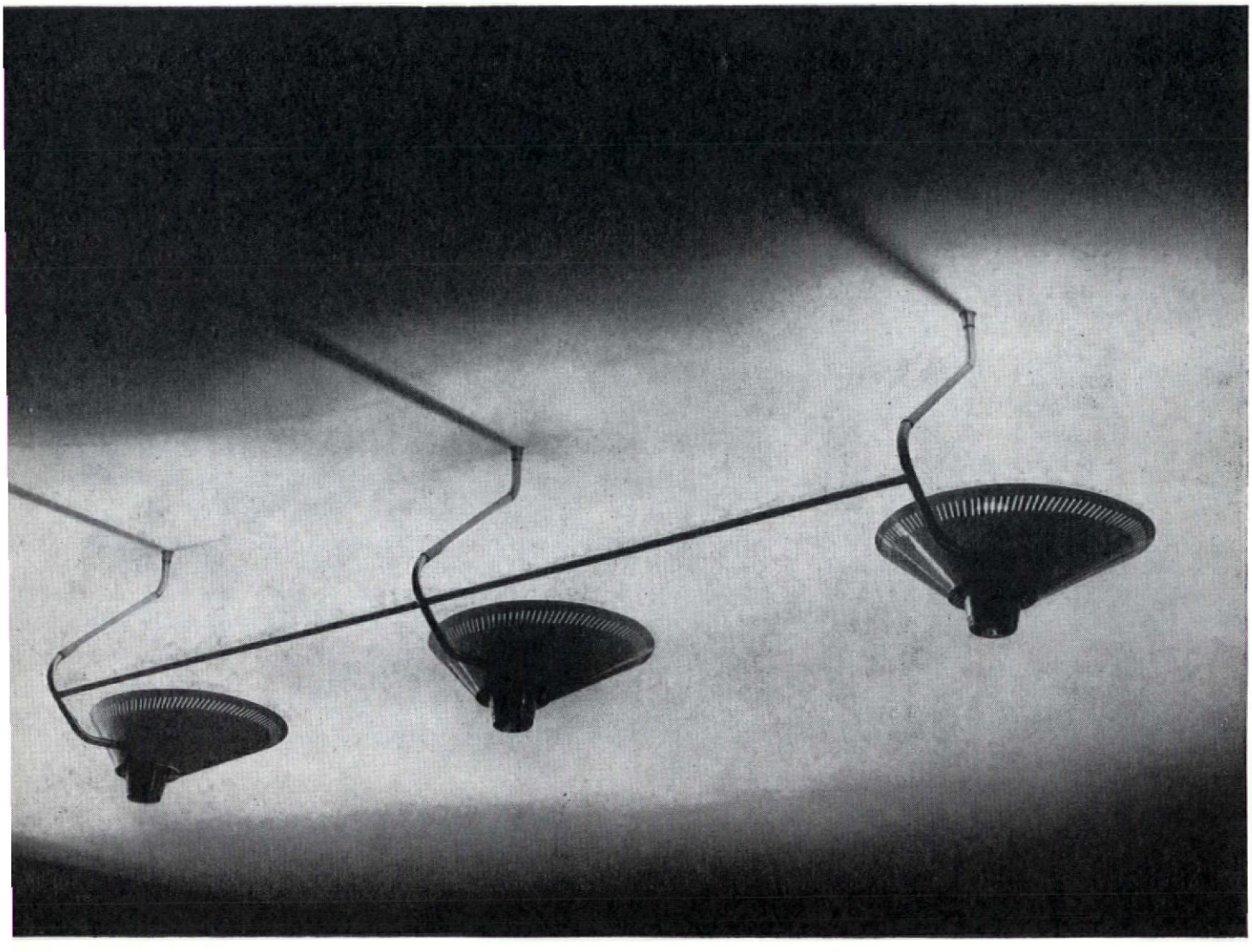
FULL SIZE DETAIL OF FITTING

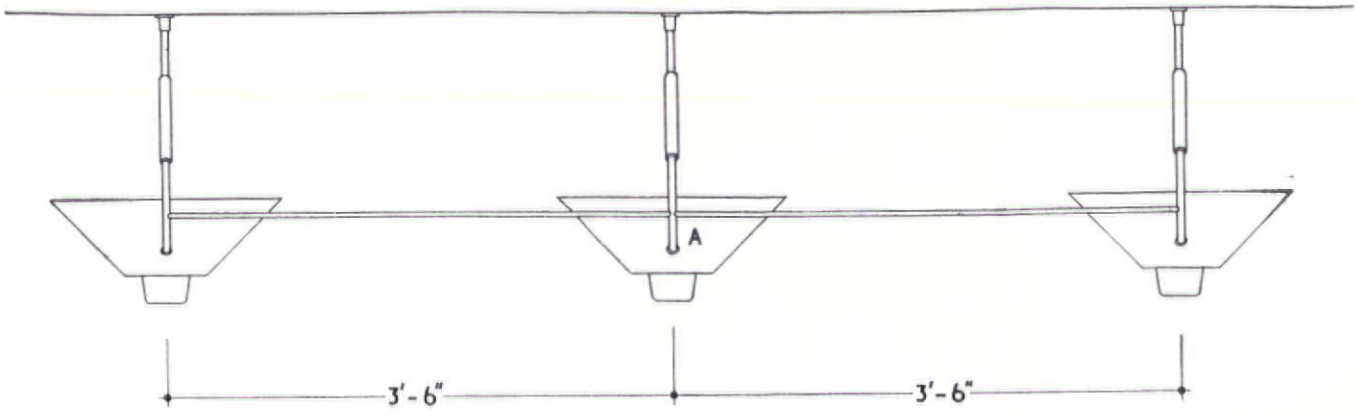
PLAN ELEVATION AND SECTION. scale 3/8" = 1'-0"

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

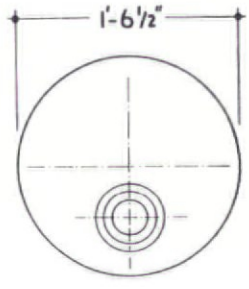
DESIGNED BY SIR HUGH CASSON, IN ASSOCIATION WITH MISHA BLACK AND ELLIS MILES OF DESIGN RESEARCH UNIT. MICHAEL ROSENAUER (architect to the building).

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

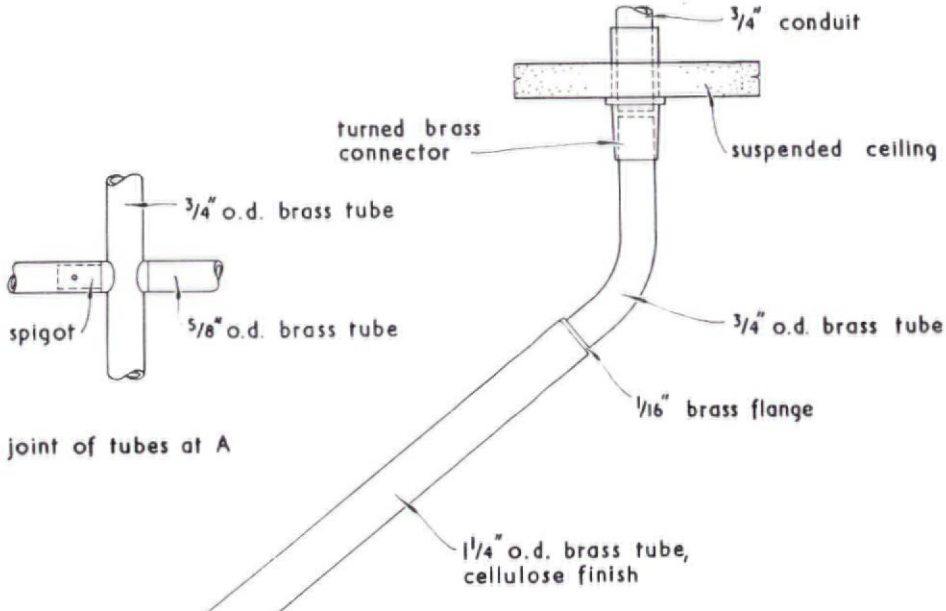




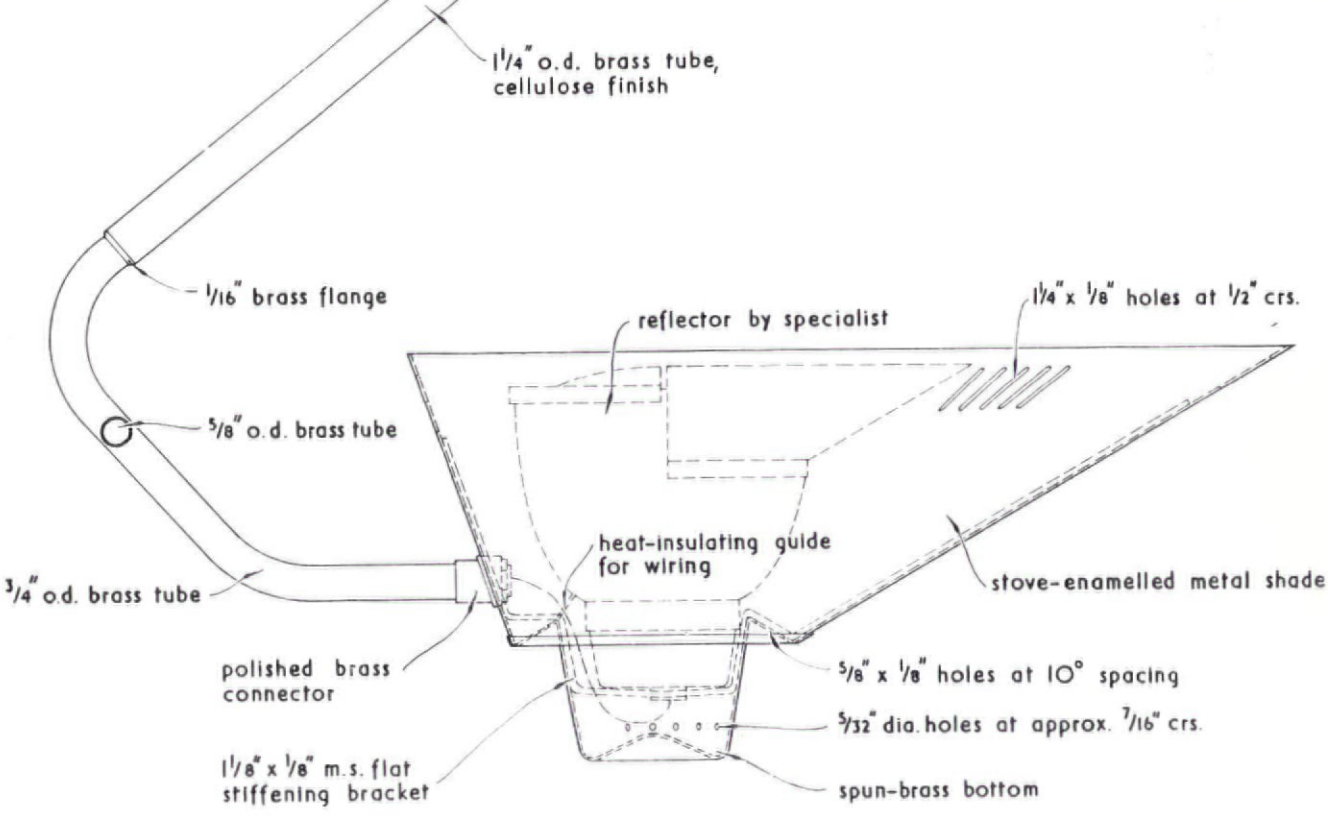
ELEVATION OF LIGHTING FITTING. scale 3/4"=1'-0"



plan of shade



joint of tubes at A

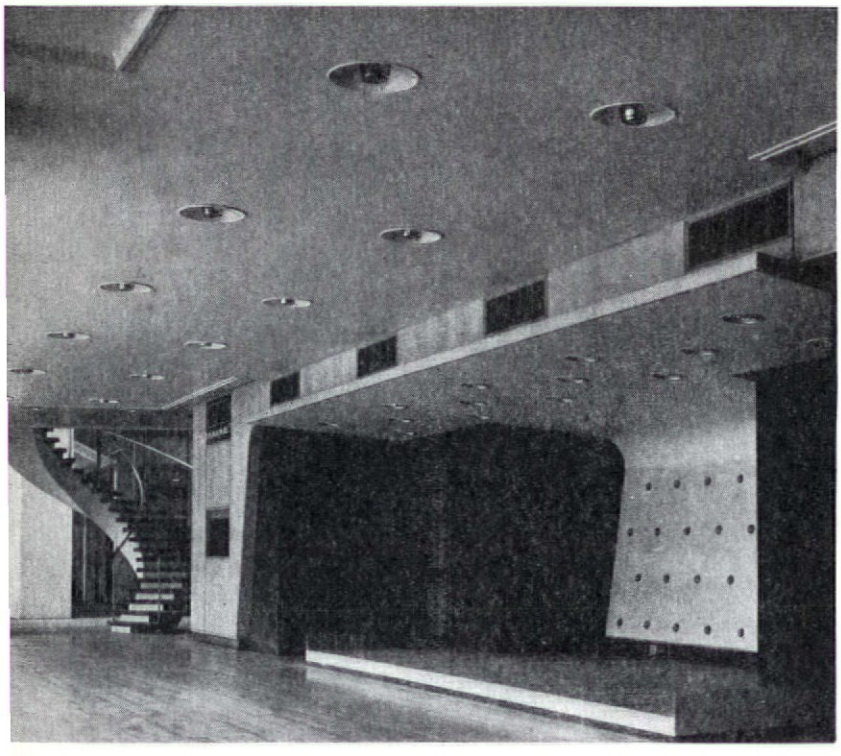


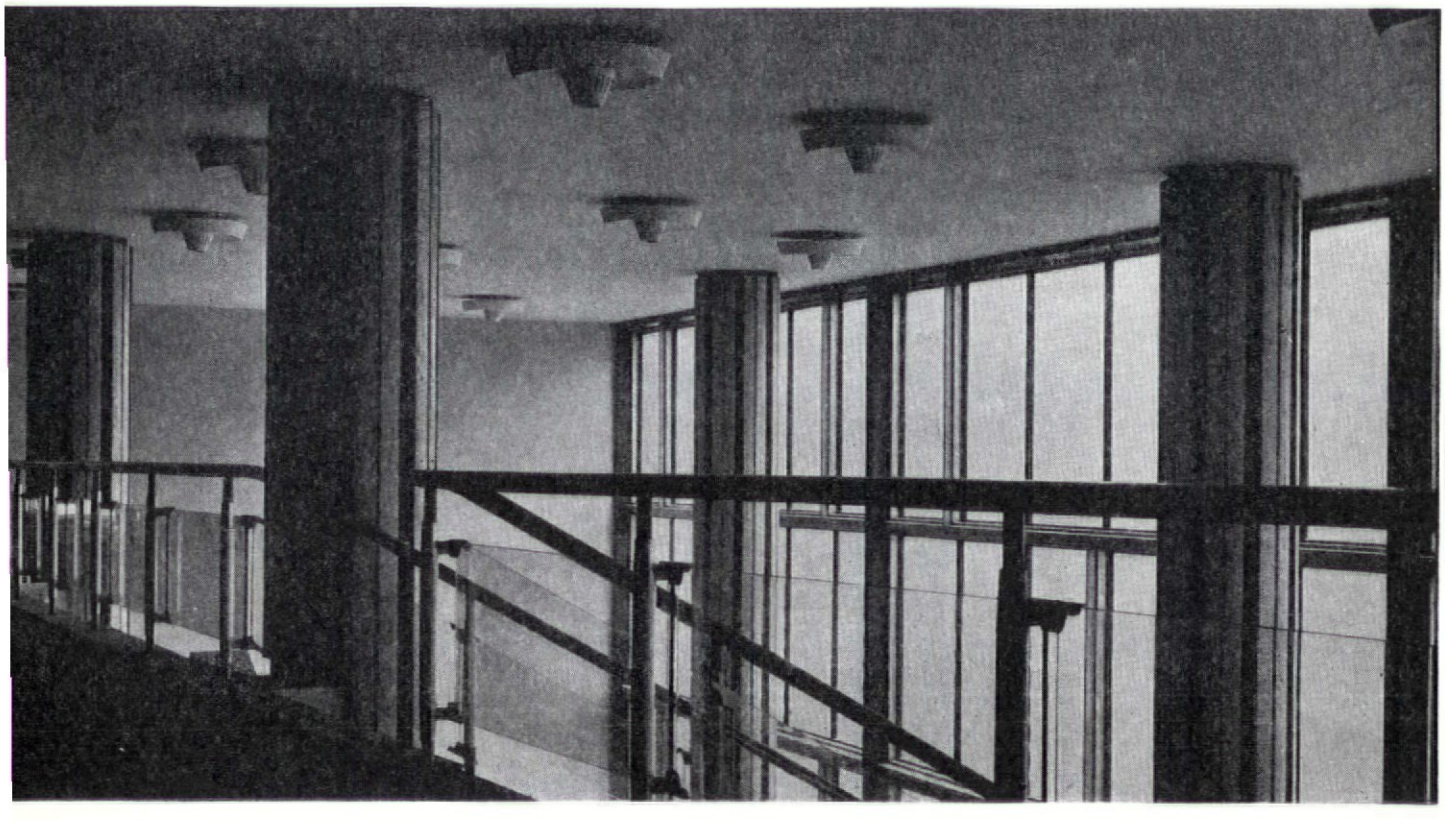
DETAIL OF FITTING. scale 1/4 full size

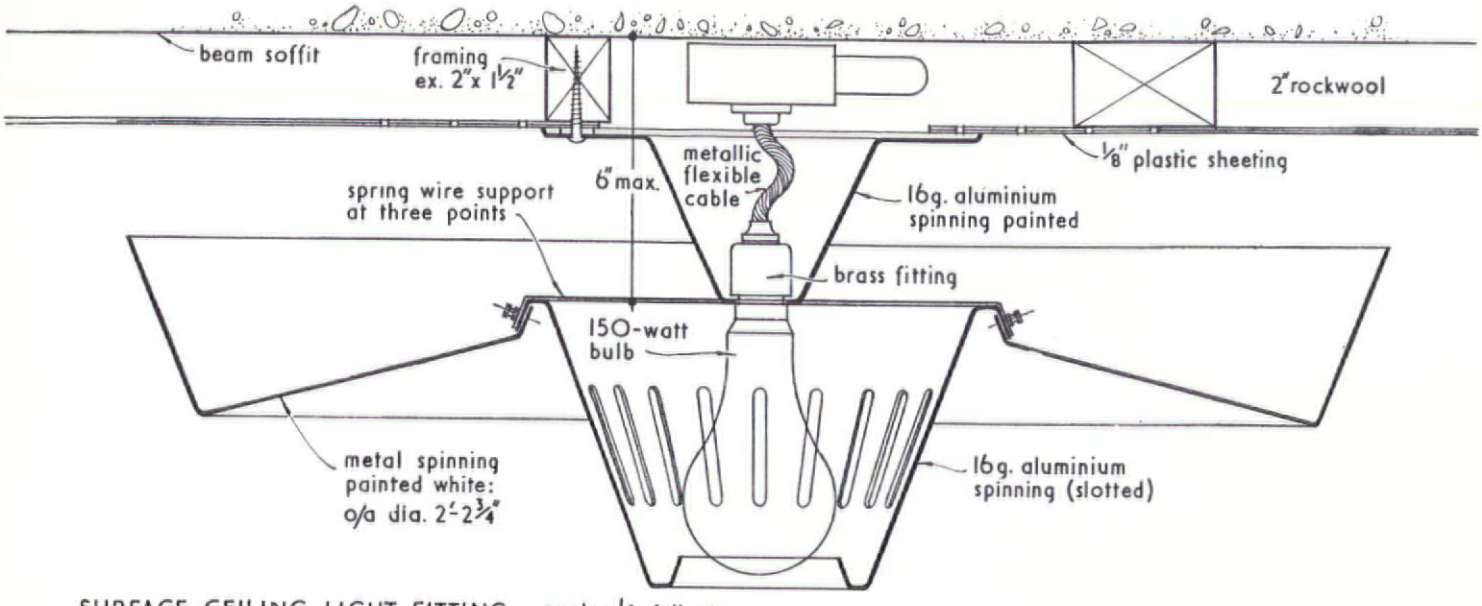
LIGHTING FITTINGS : ROYAL FESTIVAL HALL

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)

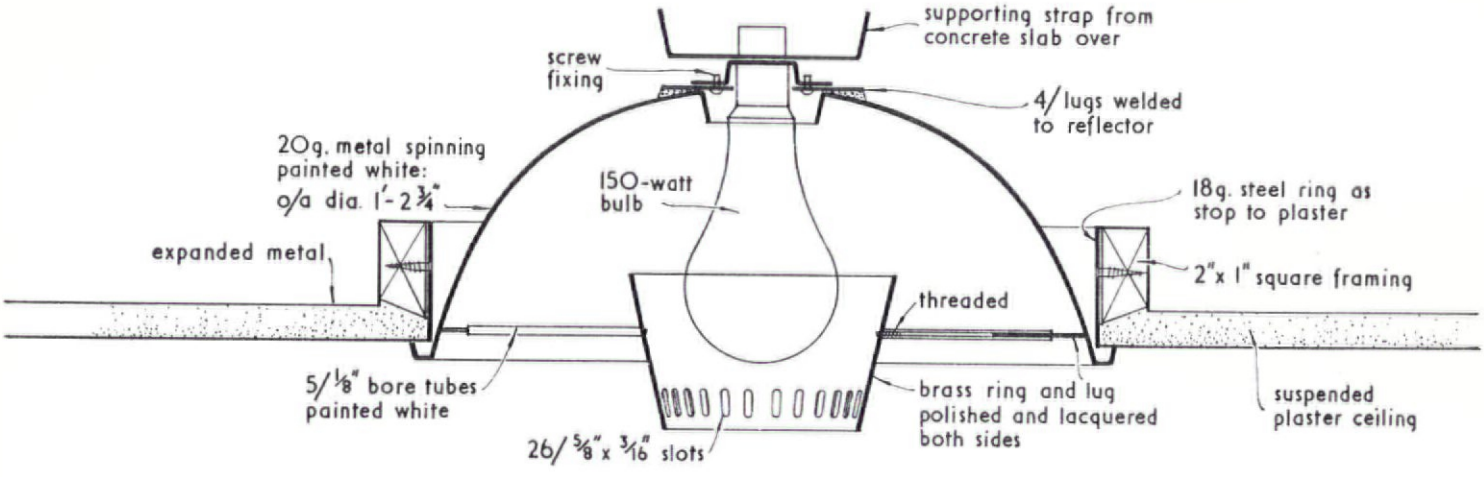
The upper left-hand photograph shows recessed ceiling lights, and the right-hand photograph shows a suspended fitting. The lower photograph shows surface ceiling fittings



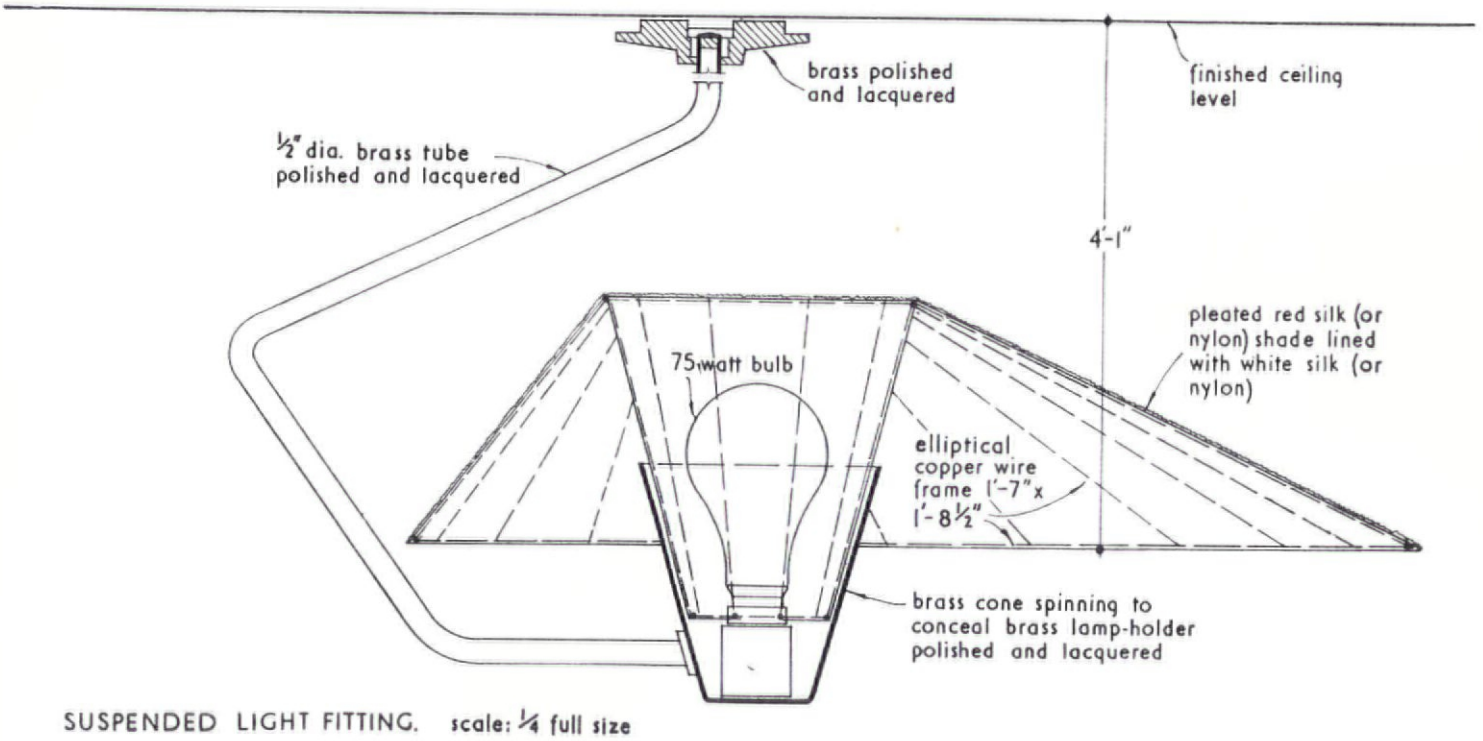




SURFACE CEILING LIGHT FITTING. scale: ¼ full size



RECESSED CEILING LIGHT FITTING. scale: ¼ full size

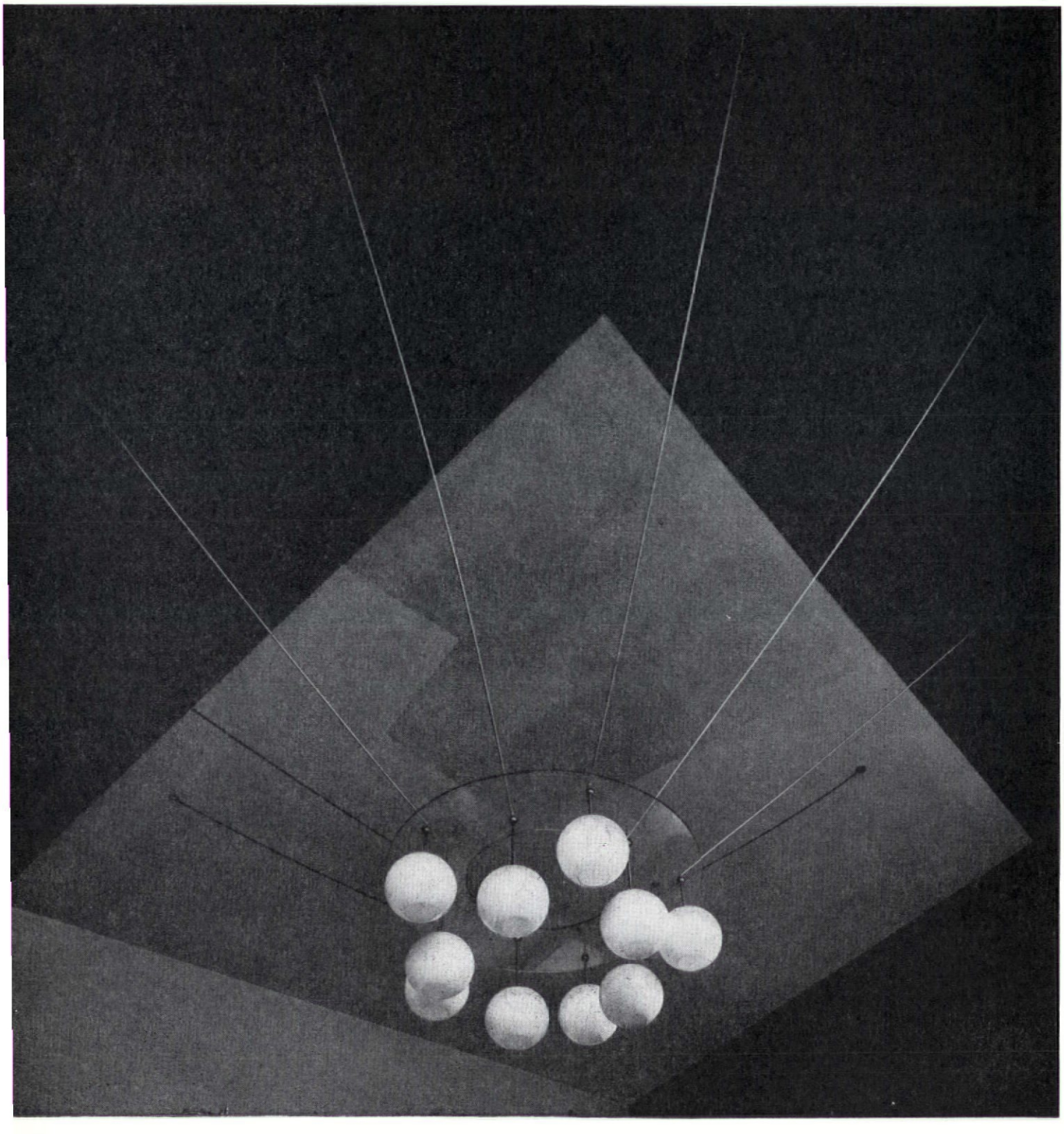


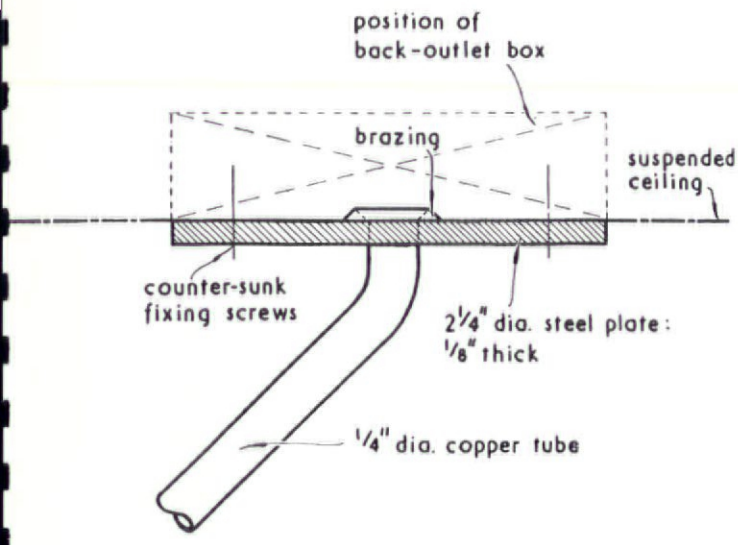
SUSPENDED LIGHT FITTING. scale: ¼ full size

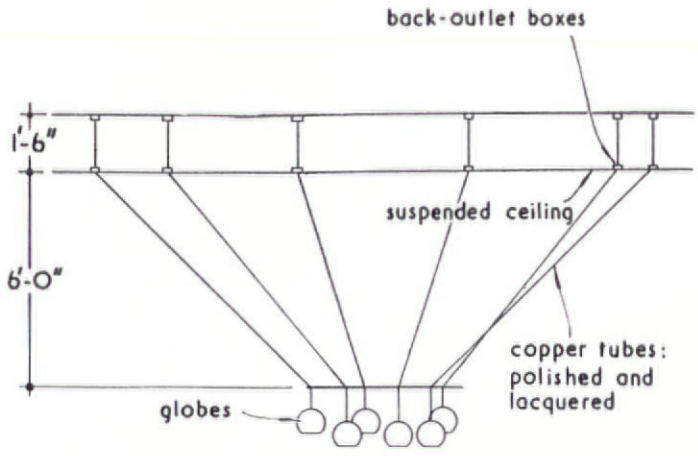
LIGHTING FITTING : ADMINISTRATION BLOCK, SCHOOL AT HARROW

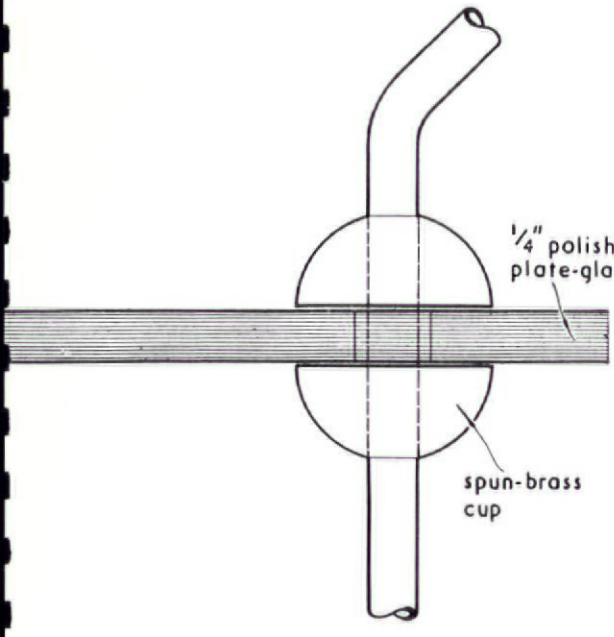
DESIGNED BY JOHN AND ELIZABETH EASTWICK FIELD IN COLLABORATION WITH C. G. STILLMAN (architect to the Middlesex County Council)

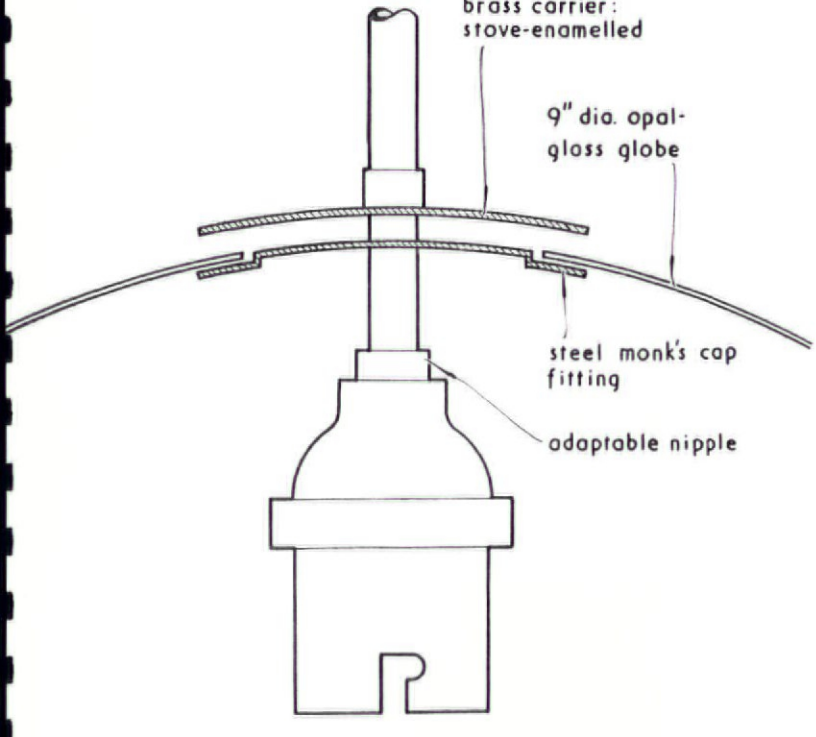
Copper tubes, twice mitred and brazed, run from ceiling to globes in one piece. Brass cups screwed to a threaded nipple hold the glass plate, and thus allow inaccuracies to be taken up. The globes, of standard pattern, have openings cut in their base by sand blasting



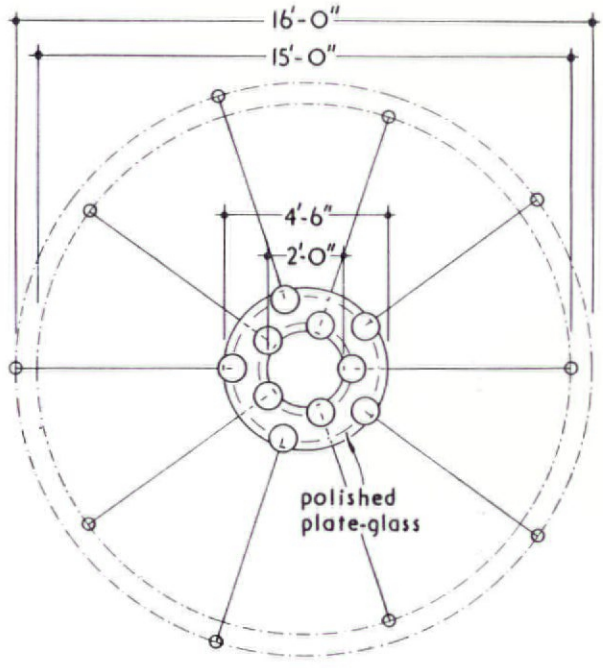




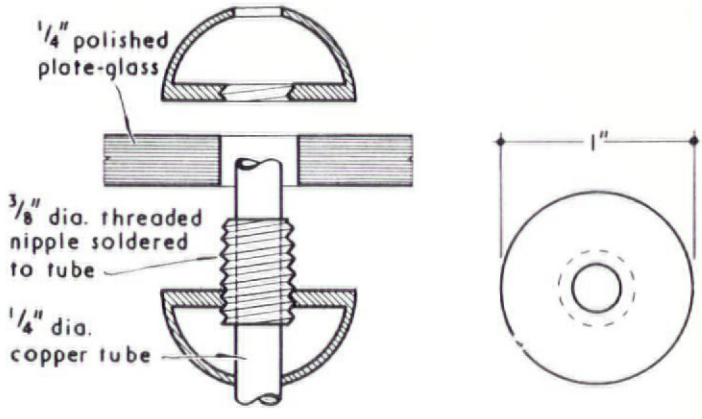




F.S. DETAIL OF FITTING.



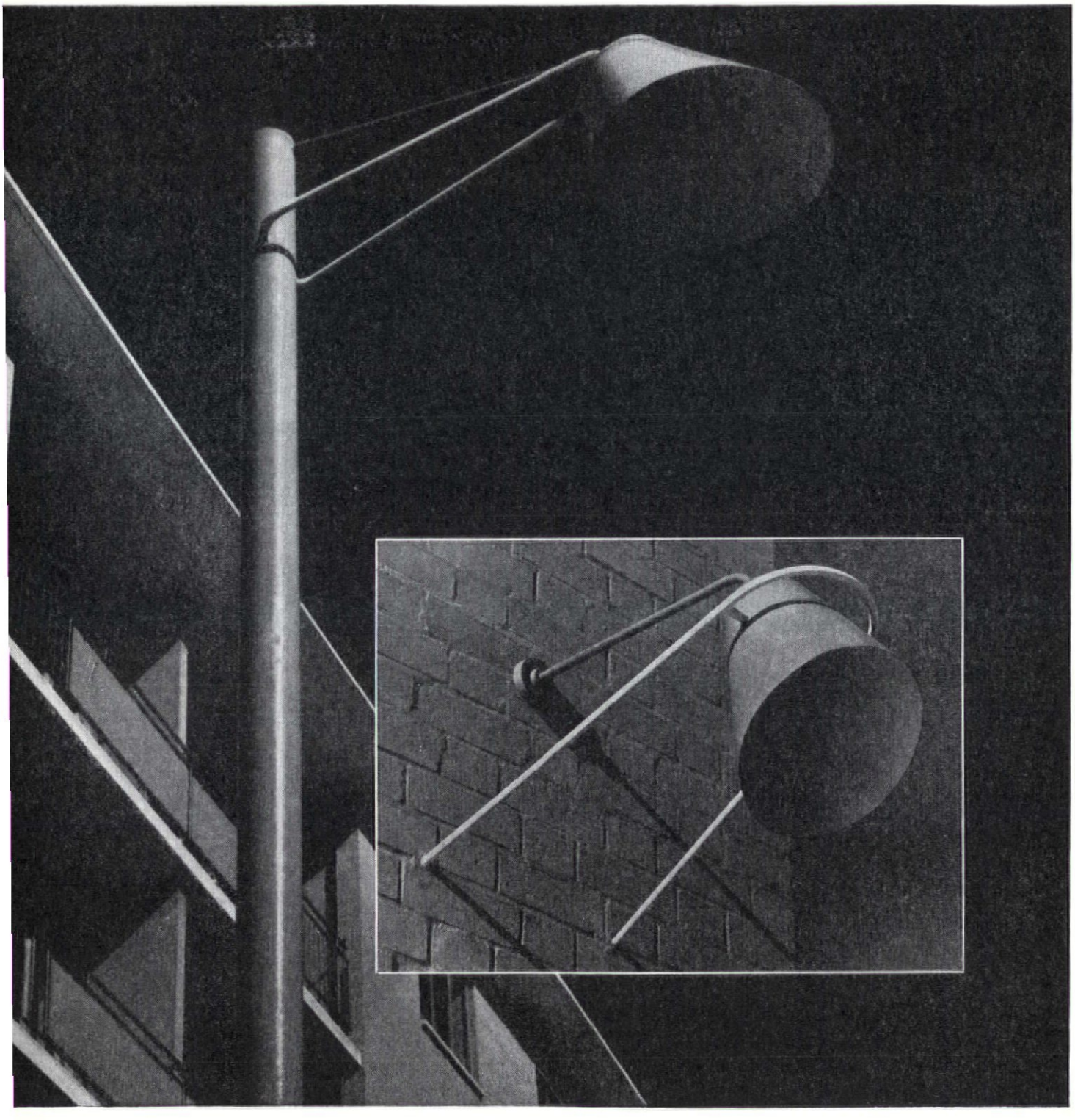
KEY PLAN AND ELEVATION.
scale $^{3}/_{16}" = 1'-0"$

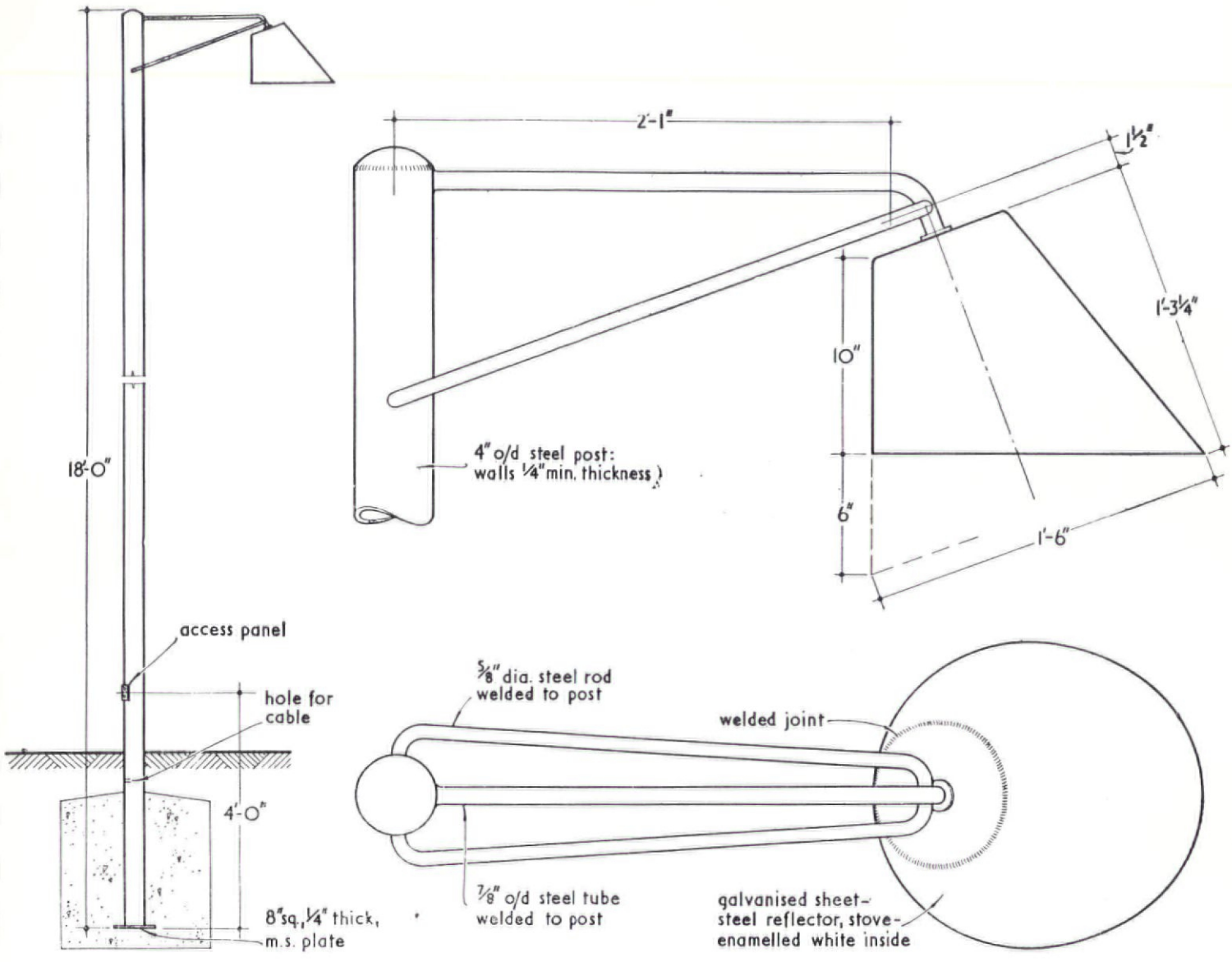


F.S. PLAN AND SECTION OF SPUN-BRASS CUP.

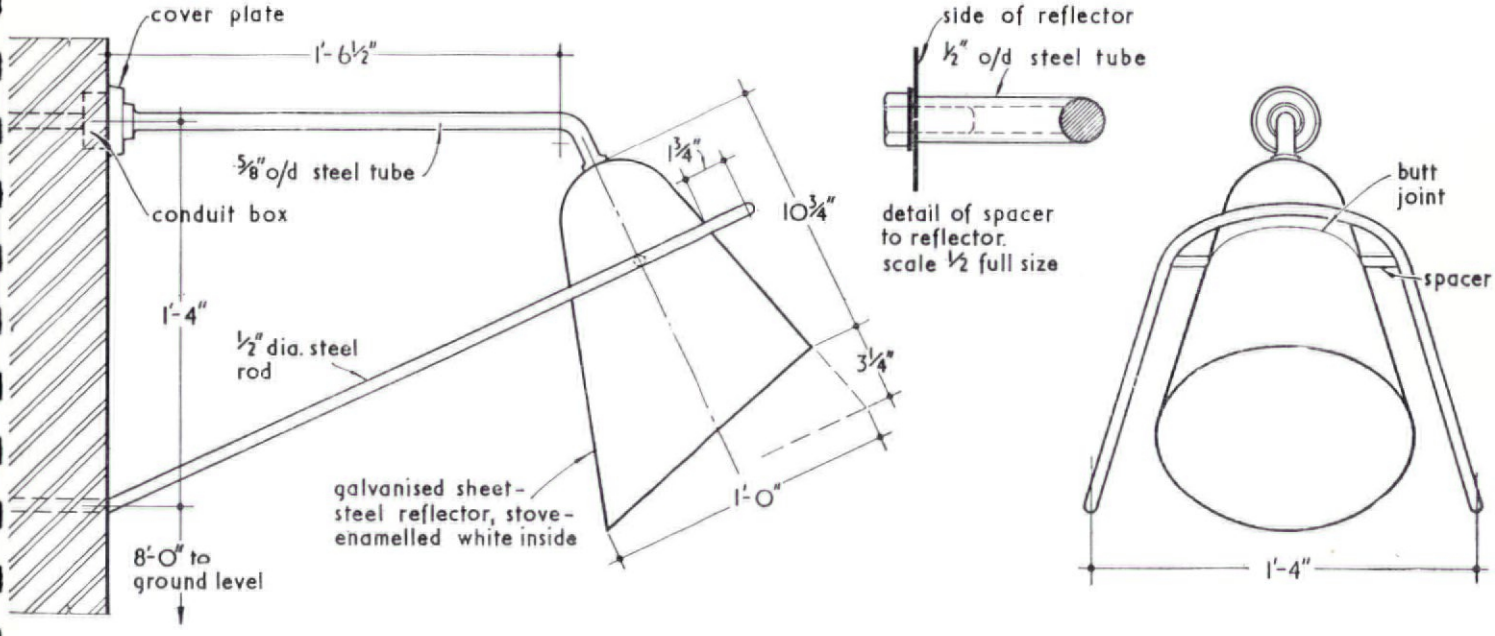
EXTERIOR LIGHTING: FLATS IN LEWISHAM
DESIGNED BY FRY, DREW AND PARTNERS

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 ⅜" = 1'-0" and 1½" = 1'-0"

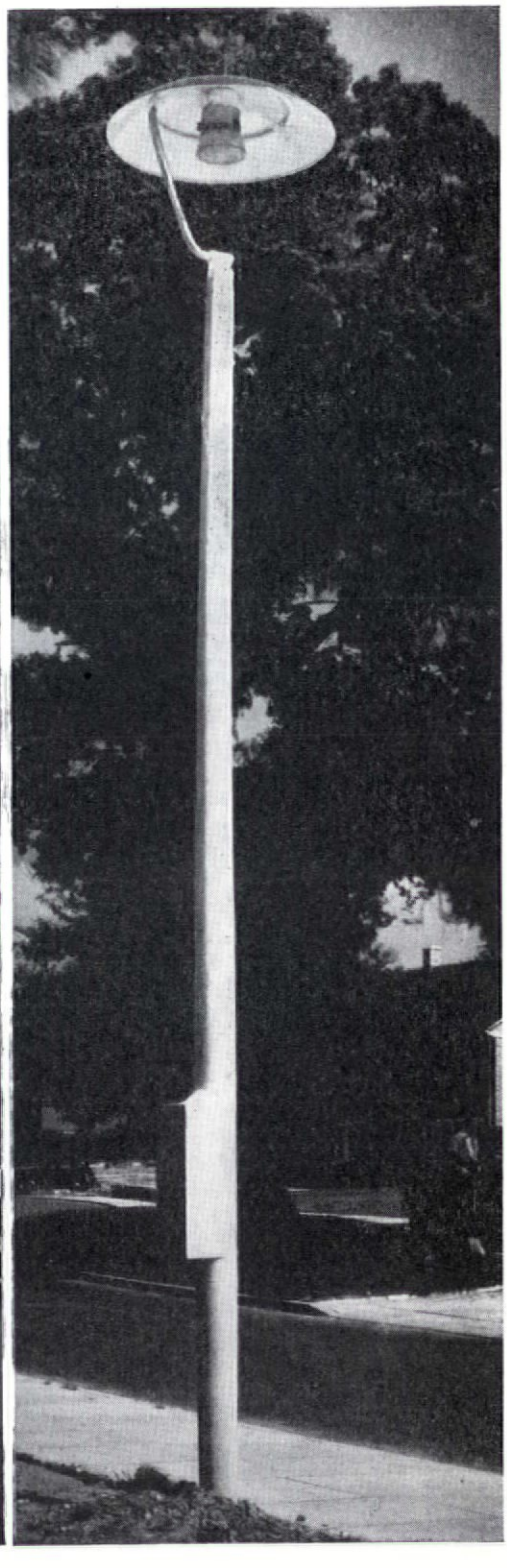


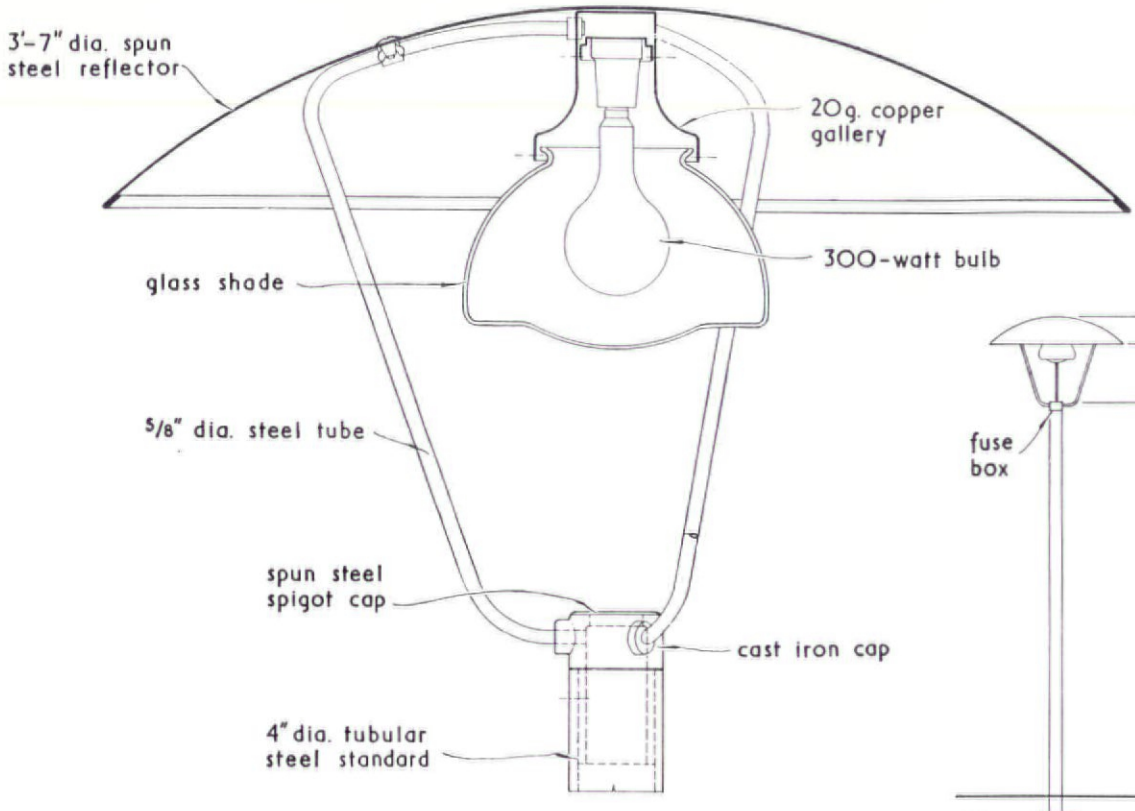
DETAILS OF WALL LAMP. scale 1½" = 1'-0"

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

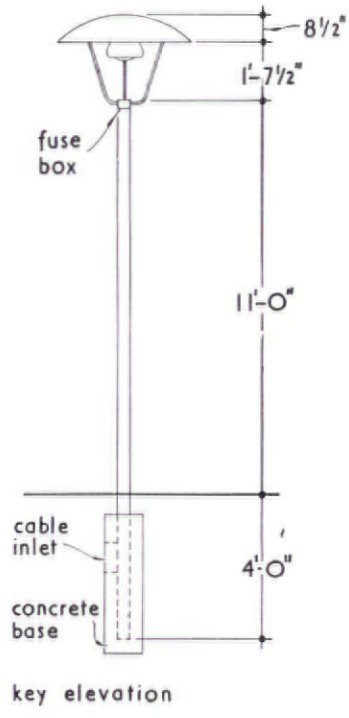
SOUTH BANK: DESIGNED BY J. L. MARTIN (architect to L.C.C.) AND J. RAWLINSON (engineer to L.C.C.)
HATFIELD: DESIGNED BY LIONEL BRETT AND KENNETH BOYD; L. J. ELGIN (consulting engineer)

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.

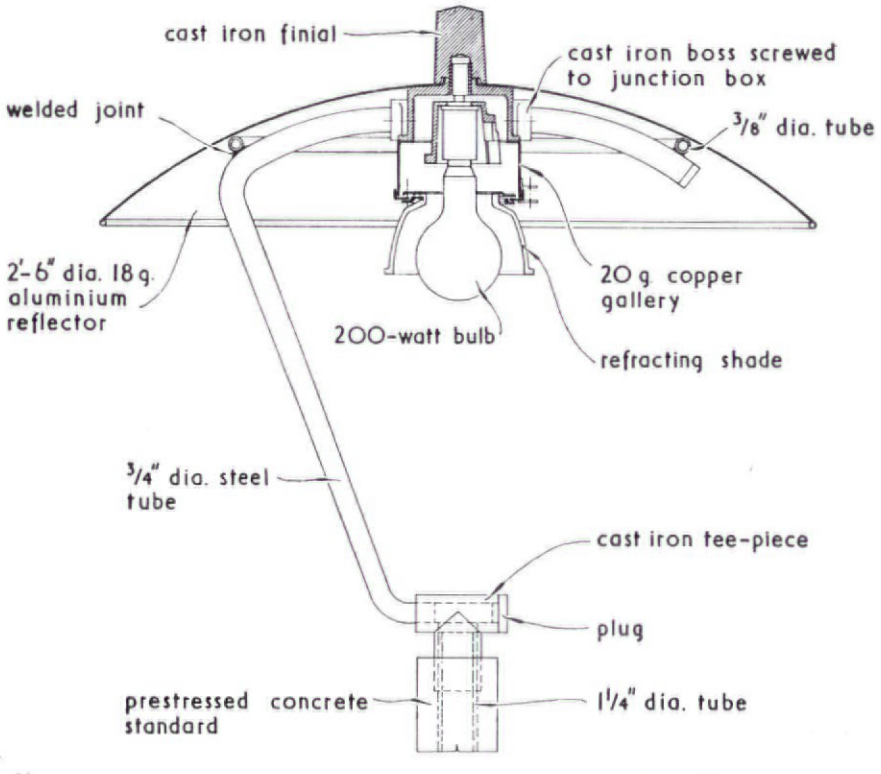




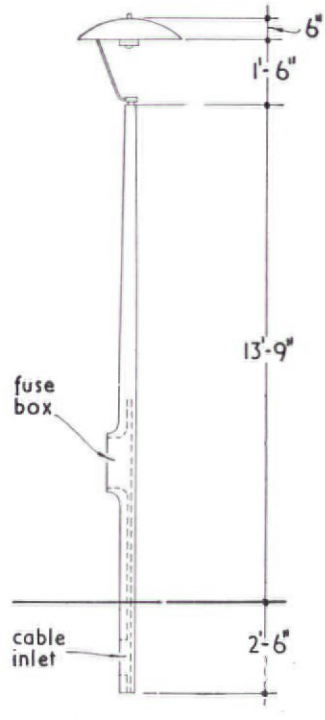
LAMP STANDARD: SOUTH BANK. scale: 1½" = 1'-0"



key elevation



LAMP STANDARD: HATFIELD NEW TOWN. scale: 1½" = 1'-0"

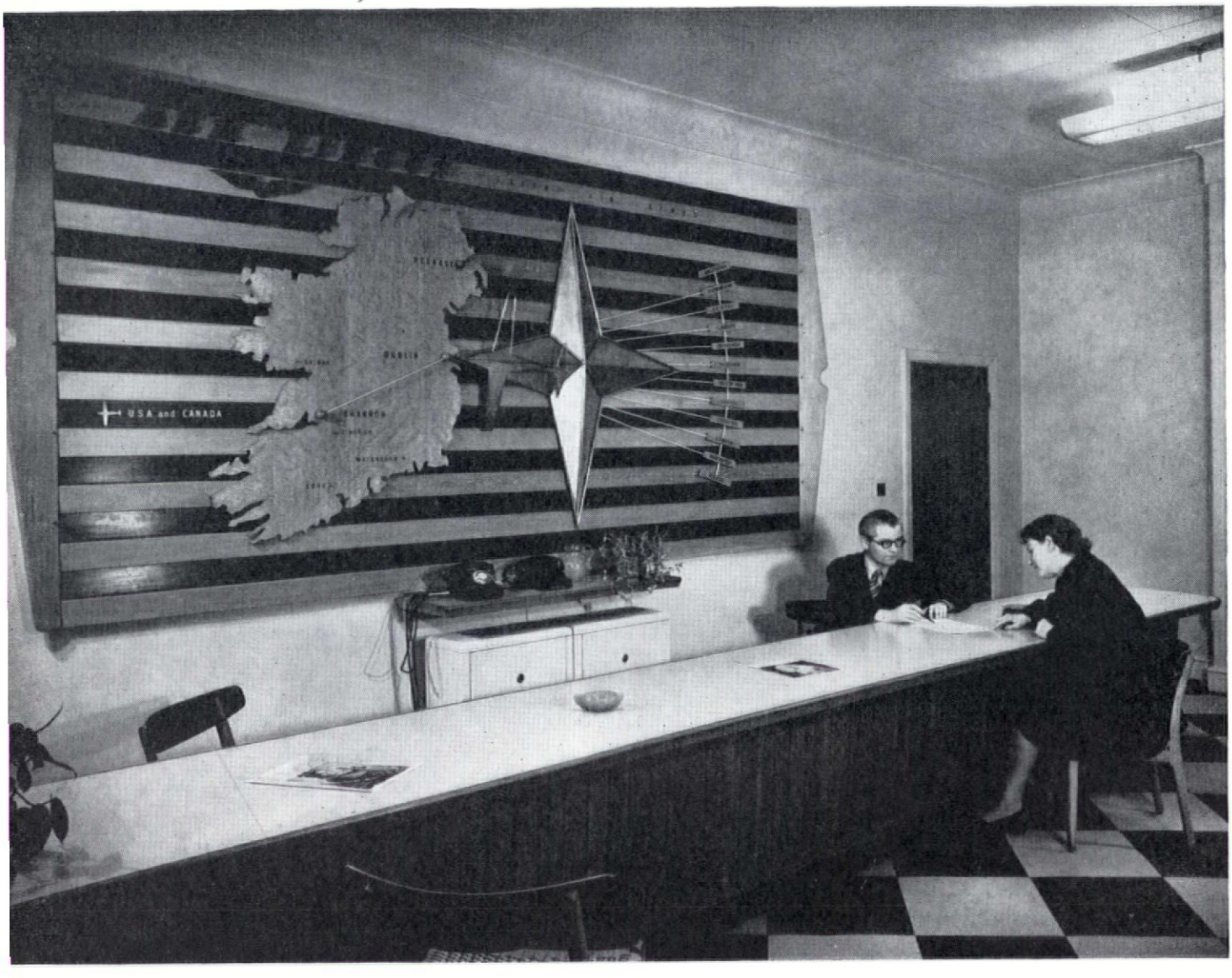


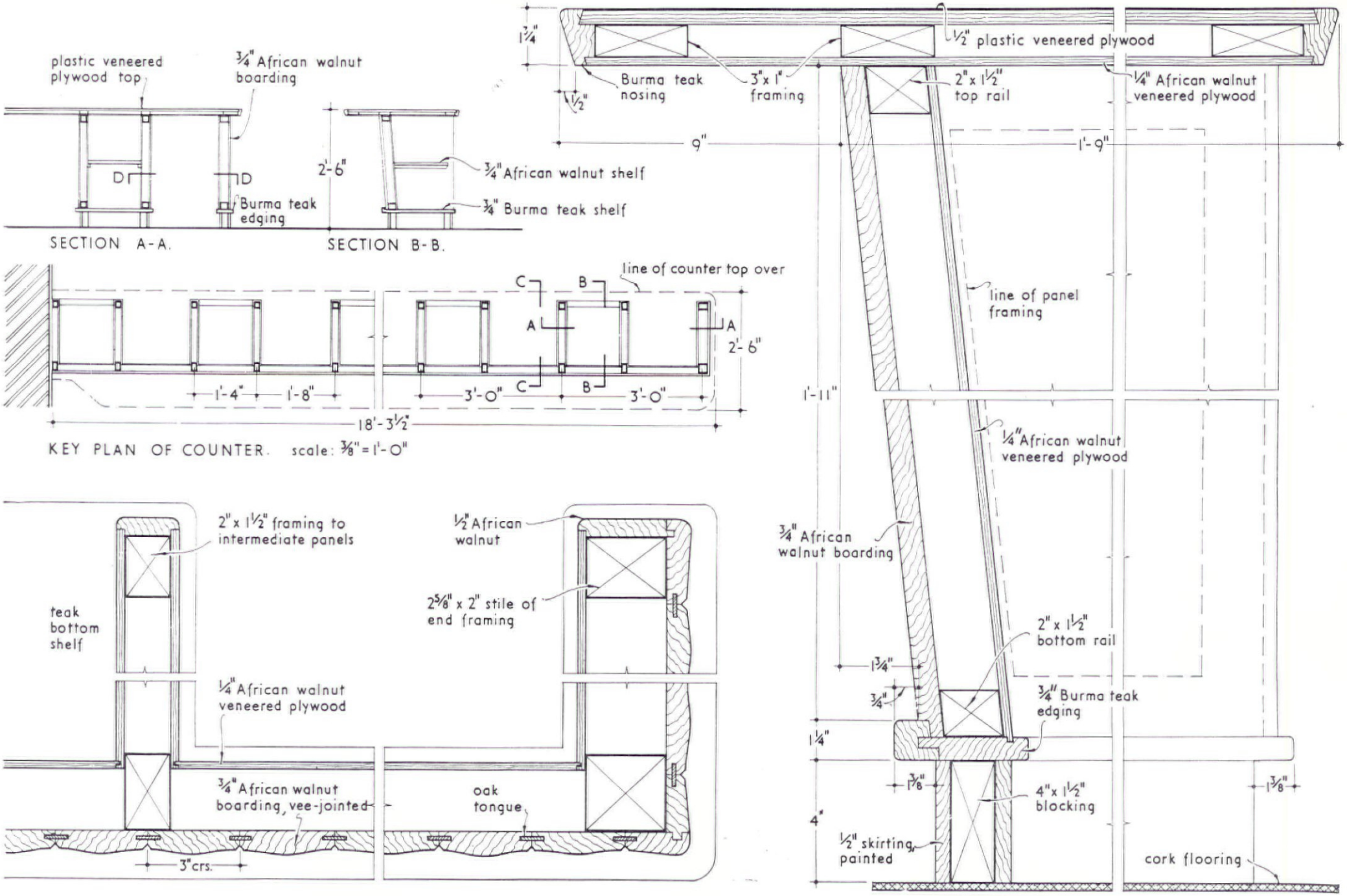
key elevation

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)

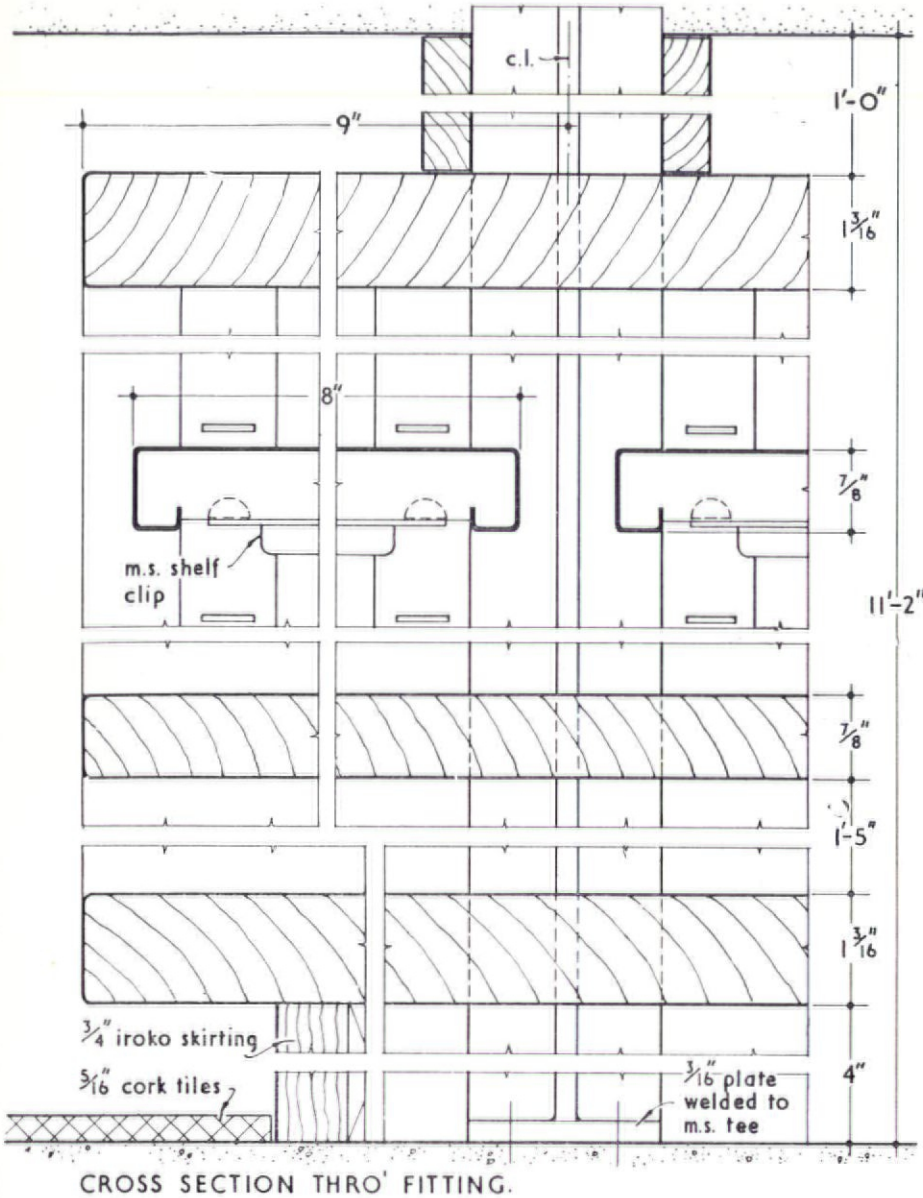
The counter top, faced with a plastic veneer, overhangs the front of the counter which is of narrow vertical boards in African walnut.



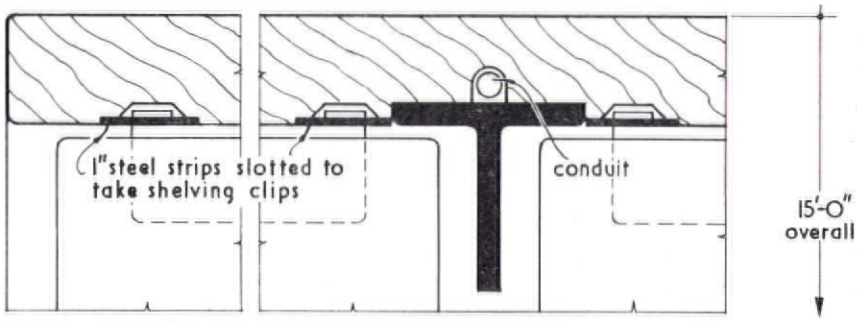

plastic veneered plywood top
¾" African walnut boarding
D
D
Burma teak edging
2'-6"
¾" African walnut shelf
¾" Burma teak shelf
SECTION A-A.
SECTION B-B.
line of counter top over
C
B
A
A
B
C
1'-4"
1'-8"
3'-0"
3'-0"
2'-6"
18'-3½"
KEY PLAN OF COUNTER. scale: ⅜" = 1'-0"
2" x 1½" framing to intermediate panels
½" African walnut
2⅝" x 2" stile of end framing
teak bottom shelf
¼" African walnut veneered plywood
¾" African walnut boarding, vee-jointed
oak tongue
3" crs.
¼ FULL SIZE DETAILS OF COUNTER. plan D-D.
1¾"
½"
Burma teak nosing
3" x 1" framing
½" plastic veneered plywood
2" x 1½" top rail
¼" African walnut veneered plywood
9"
1'-9"
line of panel framing
1'-11"
¼" African walnut veneered plywood
¾" African walnut boarding
2" x 1½" bottom rail
1¾"
¾"
¾" Burma teak edging
1¼"
1⅜"
4" x 1½" blocking
1⅜"
4"
½" skirting, painted
cork flooring
section C-C.

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

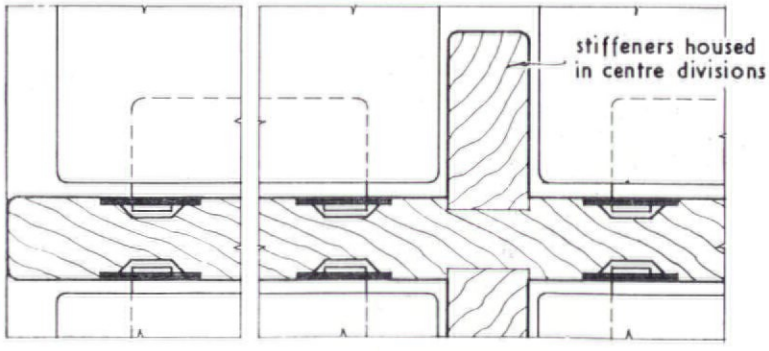
The fitting is made of iroko with recessed skirting and adjustable steel shelves. The steel stiffening member which occurs at the ends of alternate fittings is enclosed between bookcase and ceiling in a three-sided casing of iroko.



CROSS SECTION THRO' FITTING.

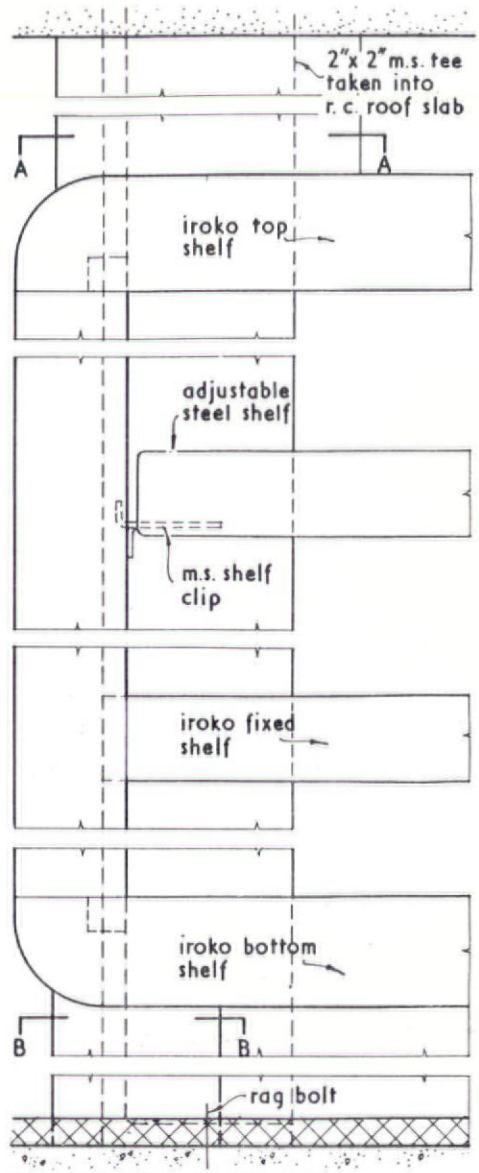


PLAN AT END OF FITTING.

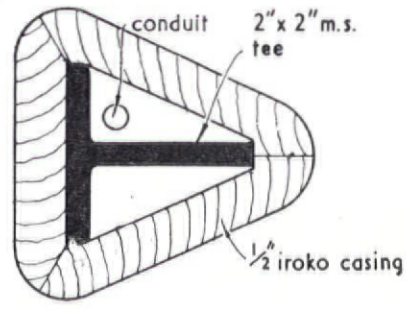


PLAN OF INTERMEDIATE DIVISION.

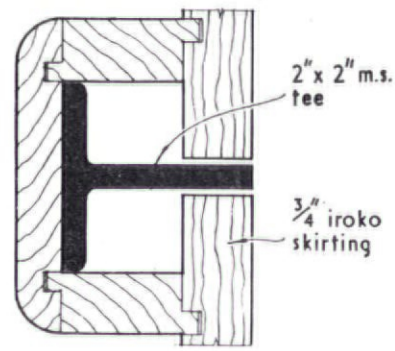
scale : 1/2 full size



PART FRONT ELEVATION.



PLAN AT A–A.

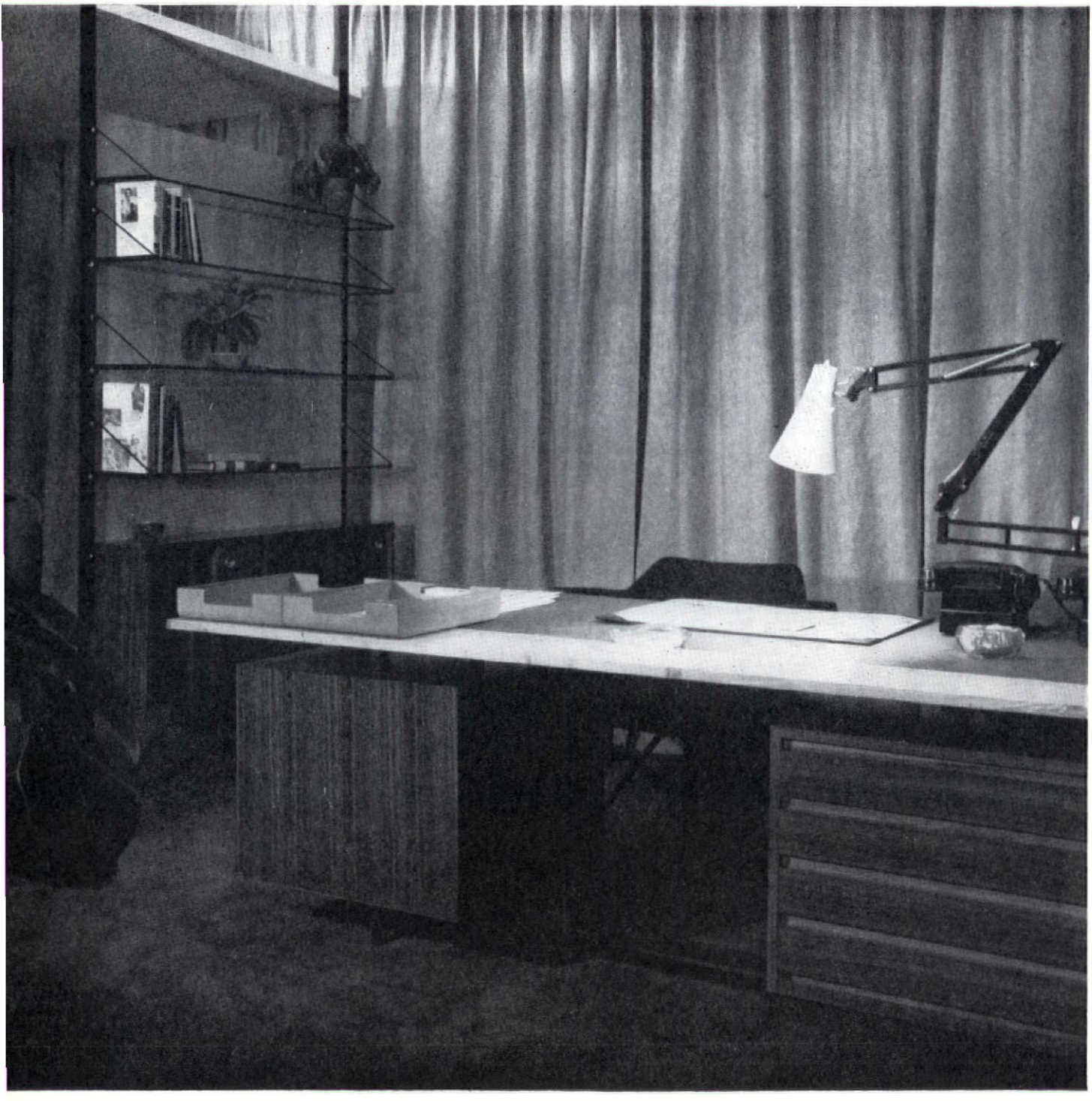


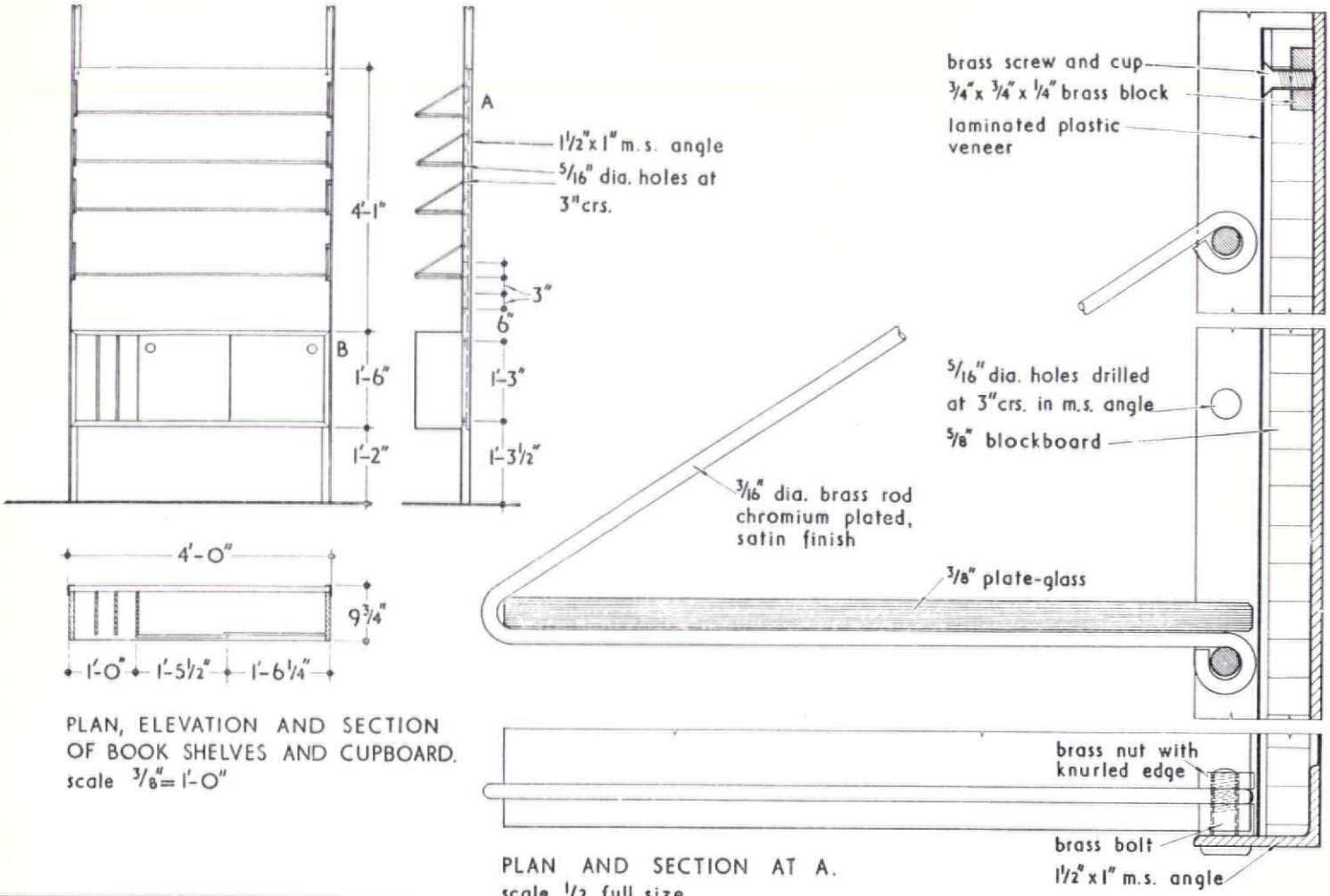
PLAN AT B–B.

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)

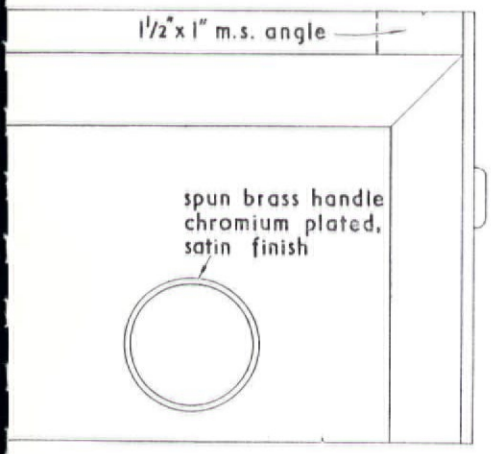
The glass shelves are held by slender brackets to steel angles which extend from floor to ceiling.



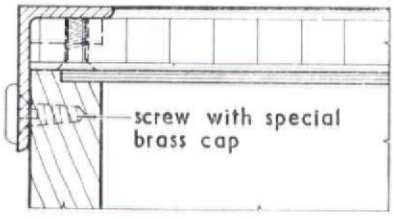


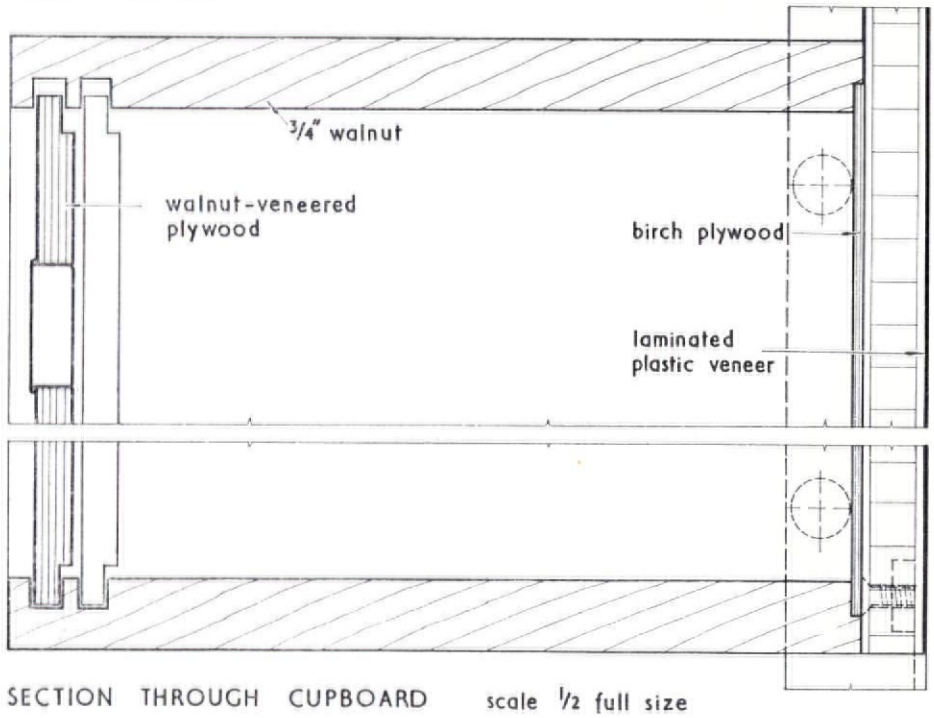
PLAN, ELEVATION AND SECTION OF BOOK SHELVES AND CUPBOARD.
scale ⅜" = 1'-0"

PLAN AND SECTION AT A.
scale ½ full size

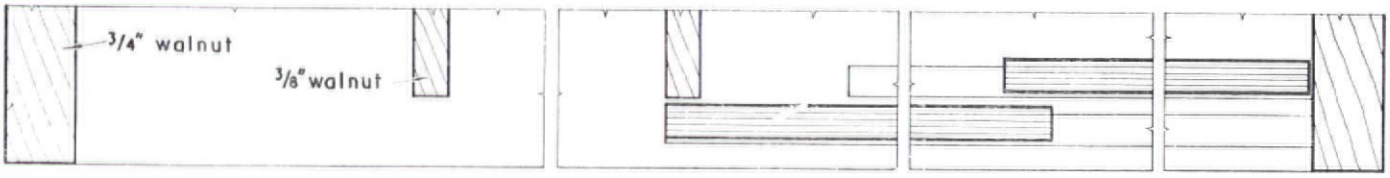


ELEVATION AT B.





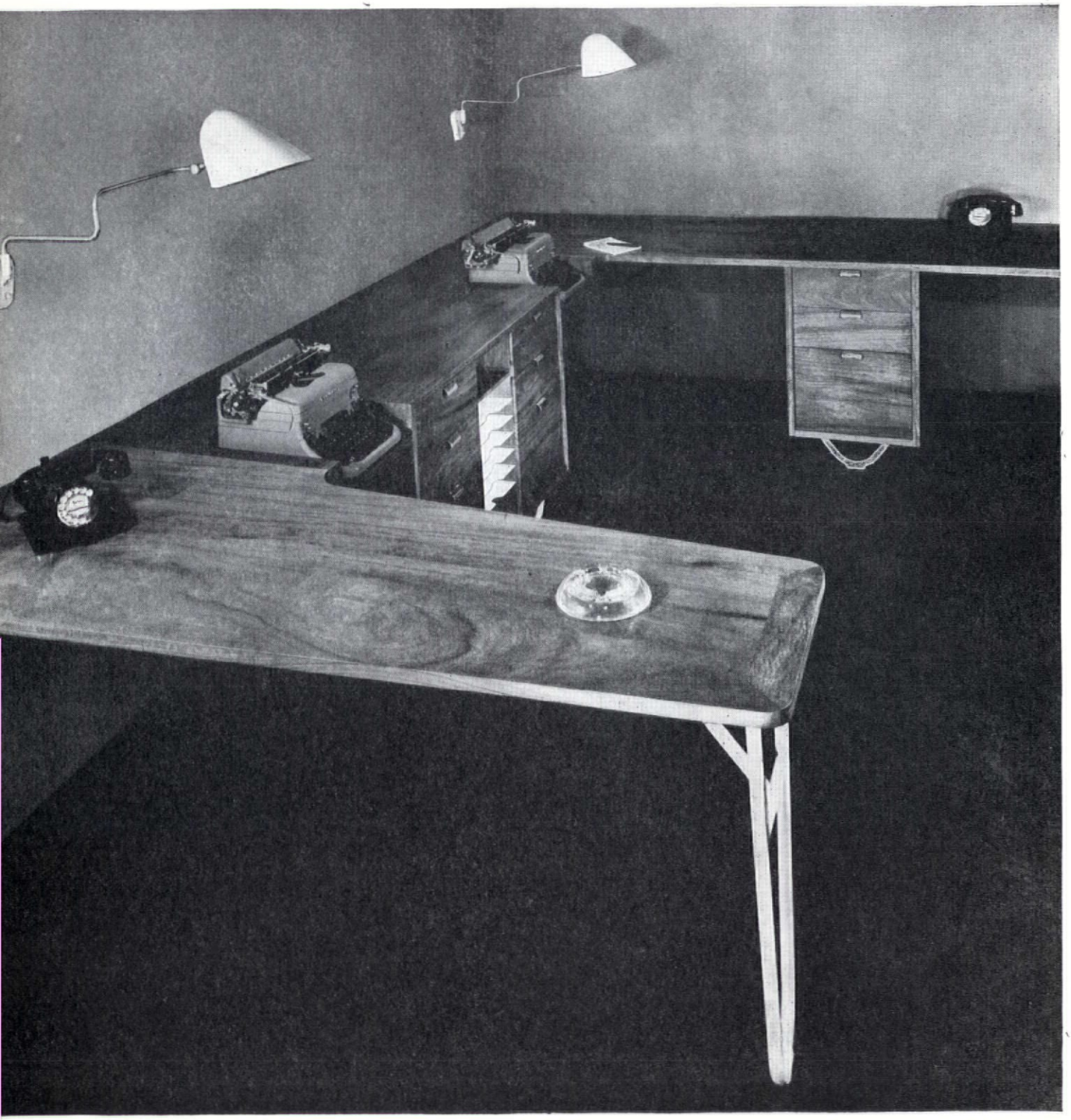
SECTION THROUGH CUPBOARD scale ½ full size

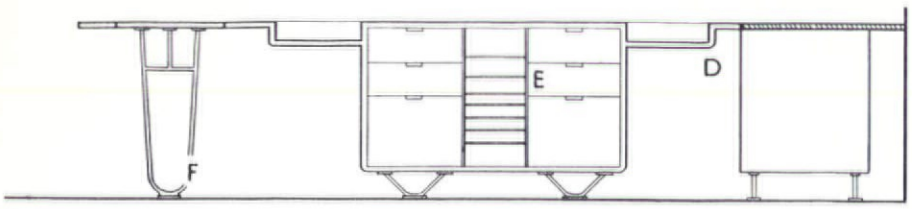


PLAN THROUGH CUPBOARD. scale ½ full size

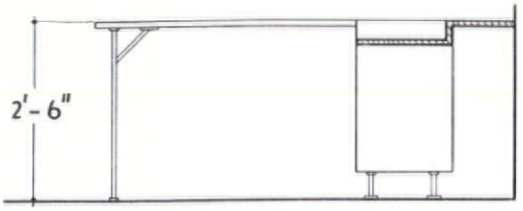
TYPISTS' DESKS : CLUB AT RUISLIP
DESIGNED BY GORDON SYMONDSON

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

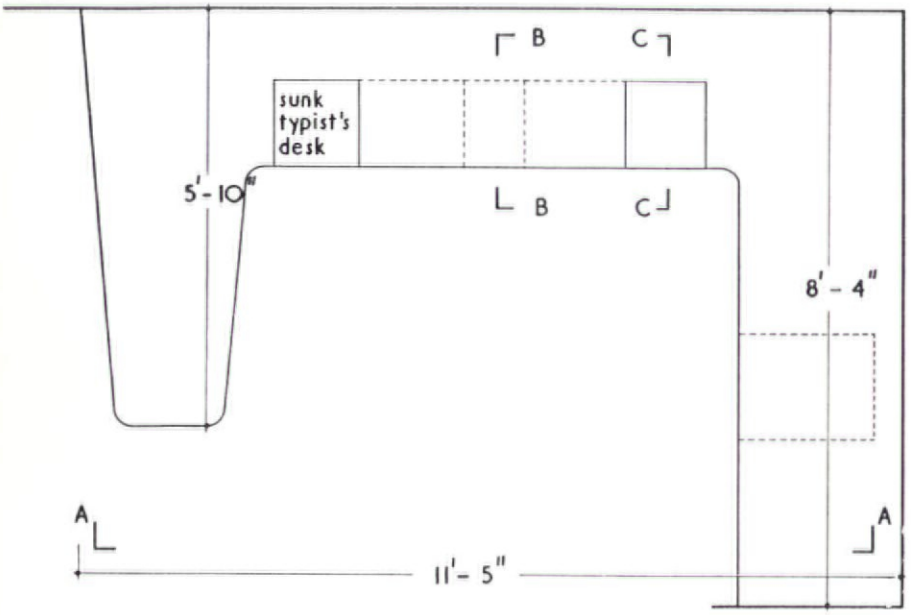




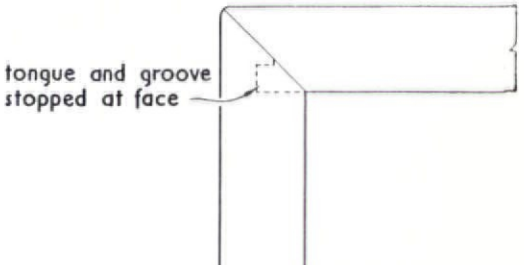
SECTION A - A.



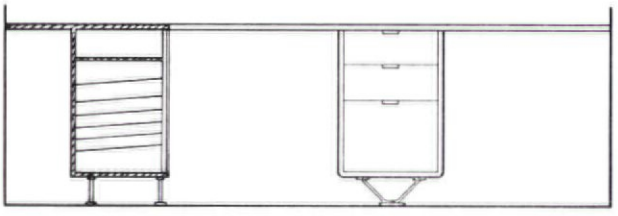
SECTION C - C.



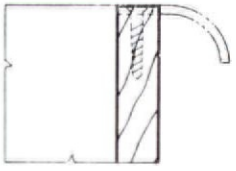
PLAN OF OFFICE FITMENTS. scale $\frac{3}{8}" = 1'-0"$



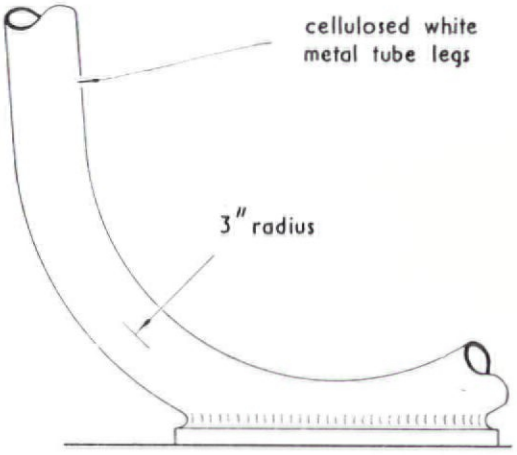
DETAIL OF JOINTS AT D.



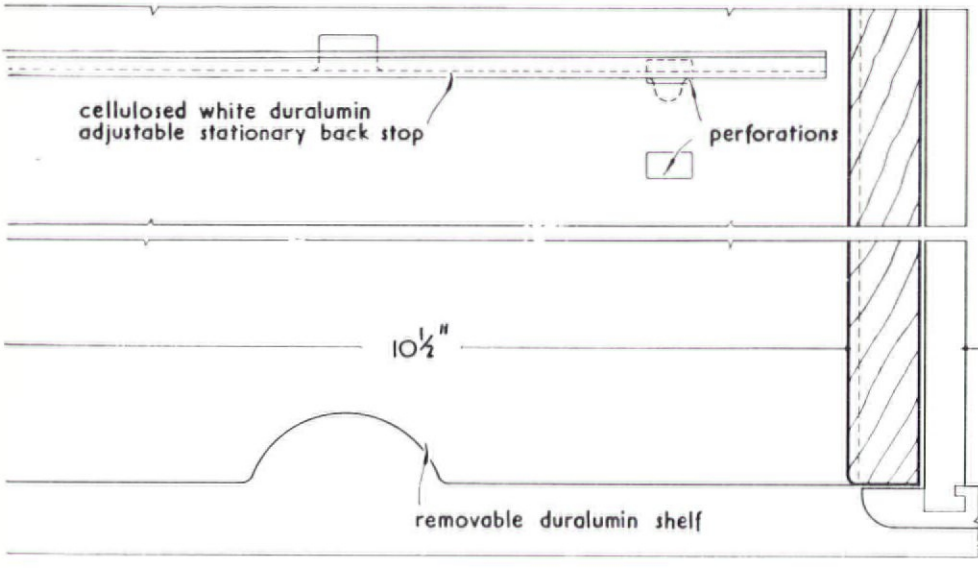
SECTION B - B.

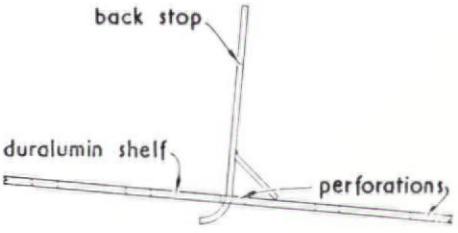


DETAIL OF STEEL DRAWER PULL

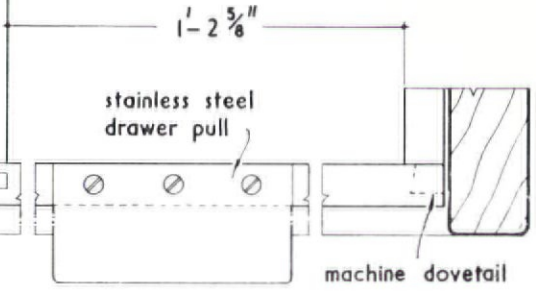


DETAIL OF LEG FOOT AT F.





DETAIL OF BACK STOP.

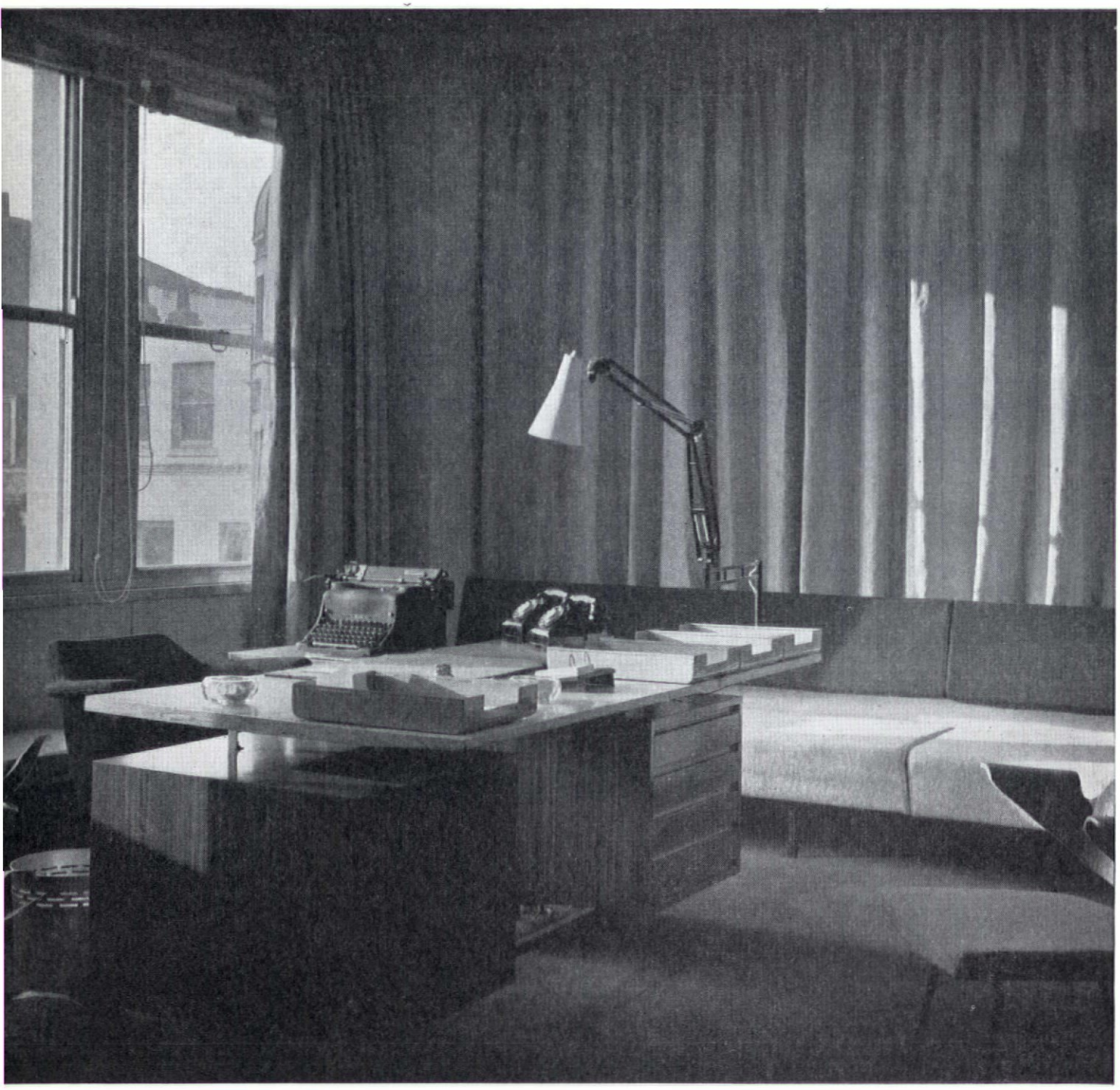


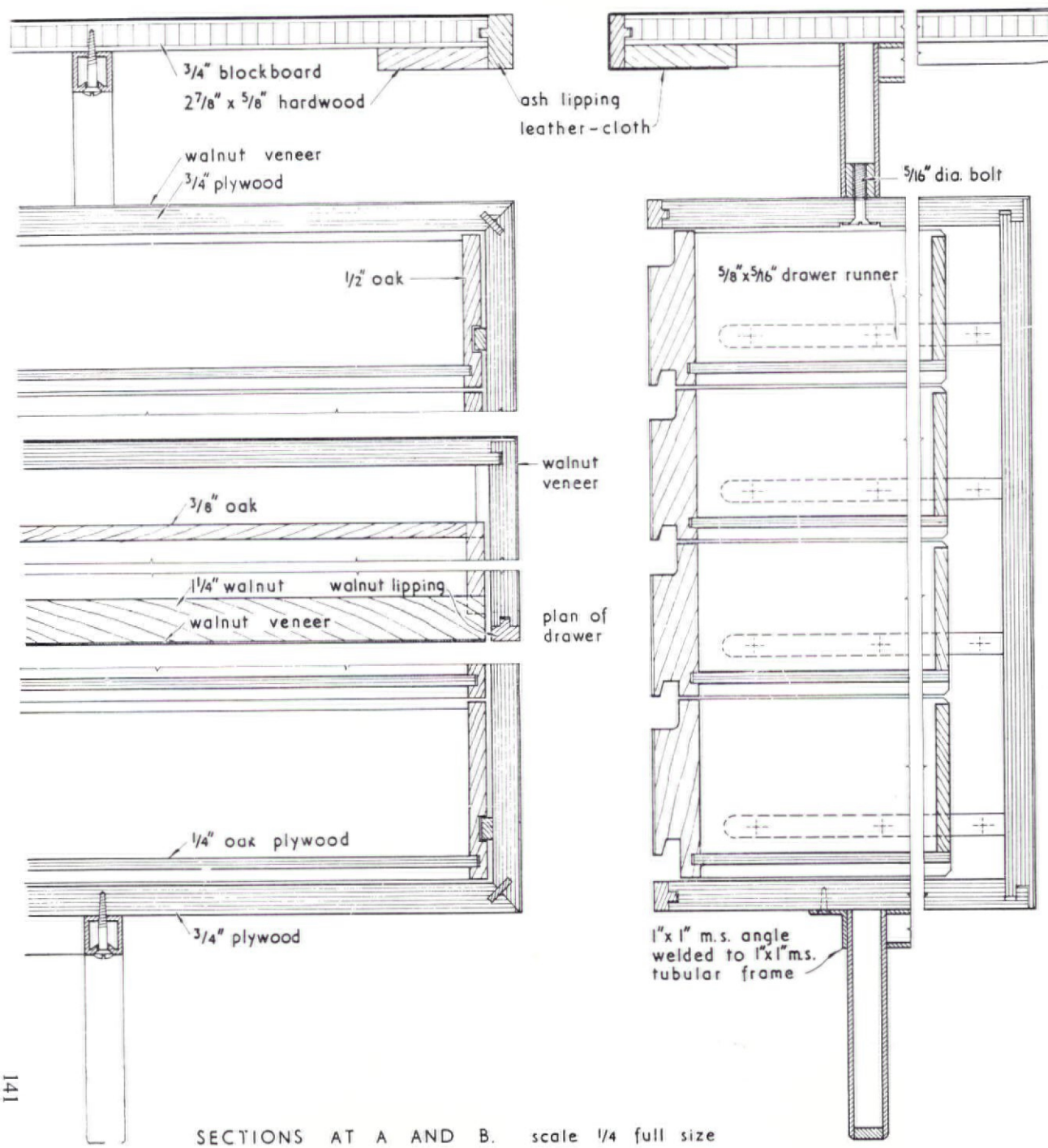
PART PLAN OF DRAWER AND SHELVES AT E. scale ½ full size

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

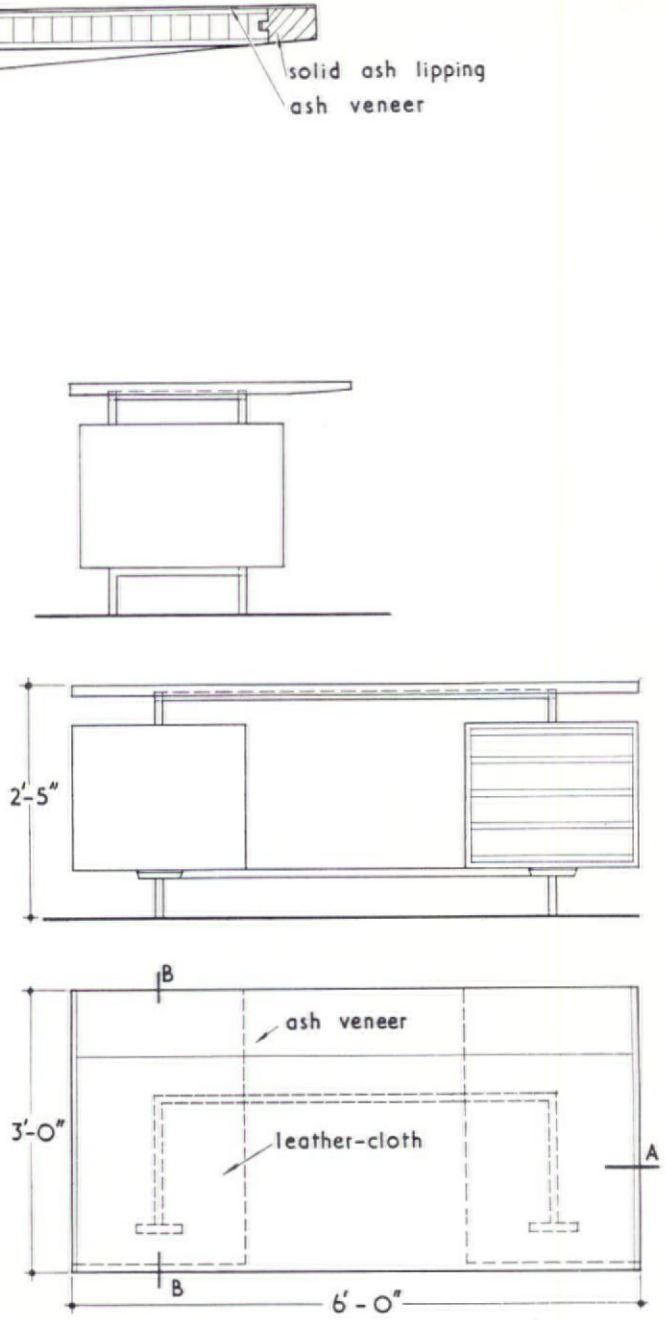
DESIGNED BY ROBIN DAY; MICHAEL ROSENAUER (architect to the building);
SIR HUGH CASSON (interior designer, in association with Misha Black of Design Research Unit)

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





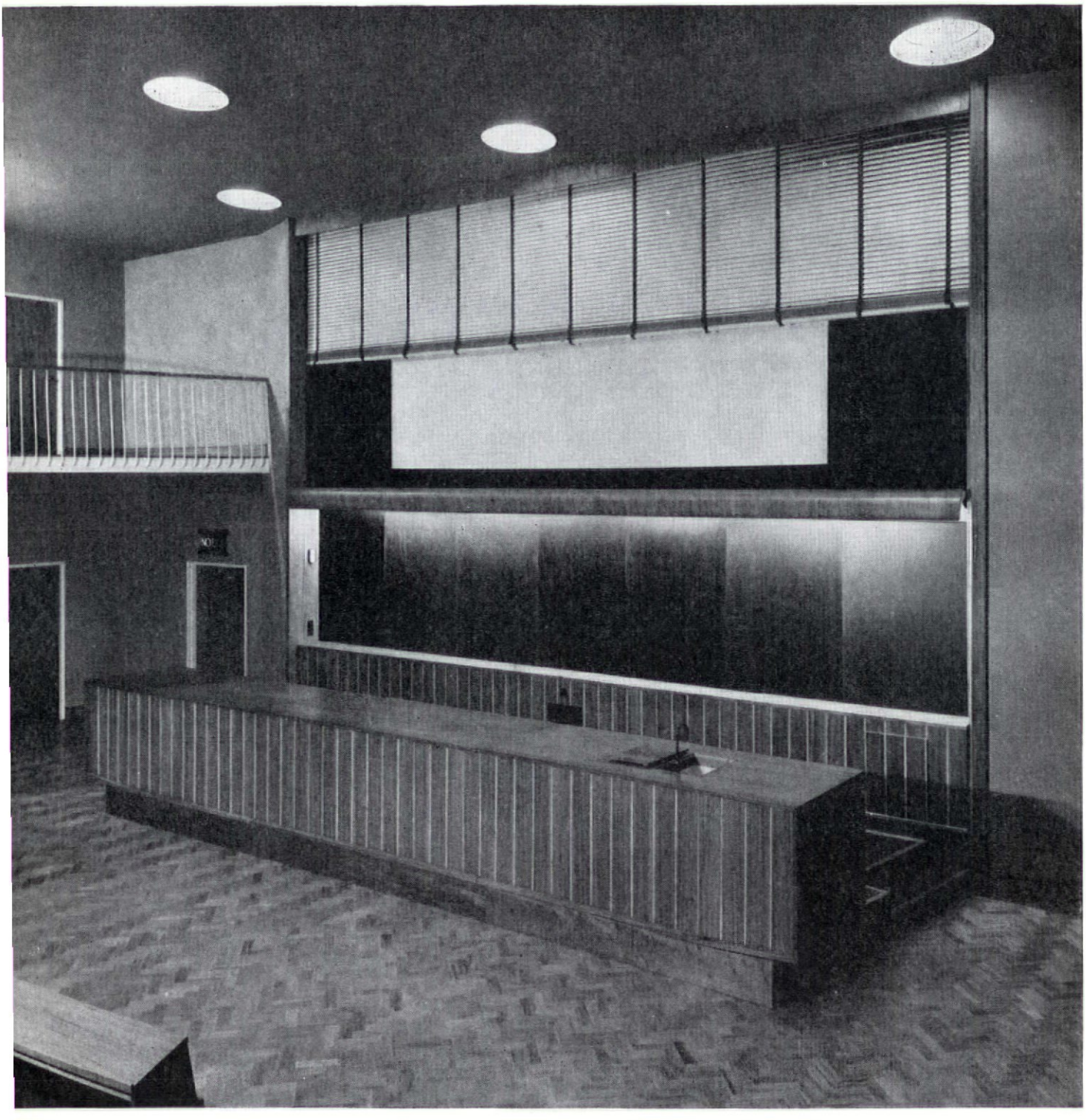
SECTIONS AT A AND B. scale 1/4 full size

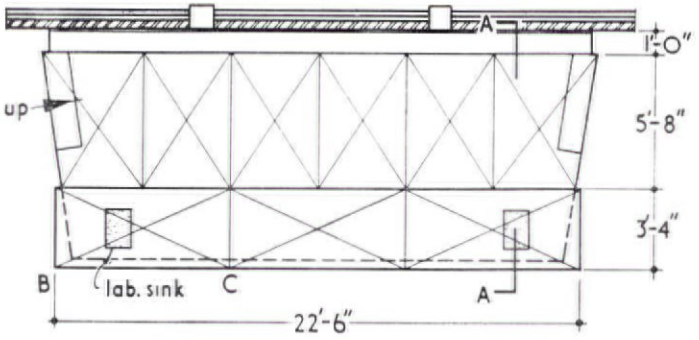


PLAN AND ELEVATIONS OF DESK.
scale 1/2" = 1'-0"

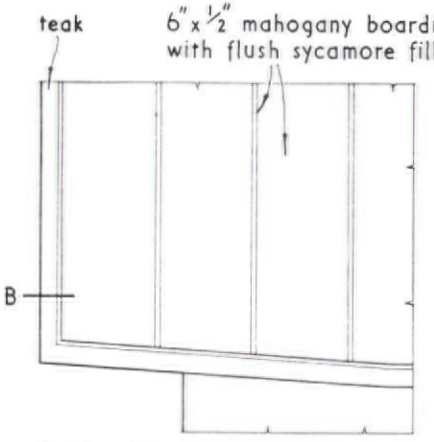
PRACTICAL LECTURE BENCH : EXTENSIONS TO UNIVERSITY OF DURHAM
DESIGNED BY J. S. ALLEN; OSCAR FABER AND PARTNERS (consulting engineers)

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

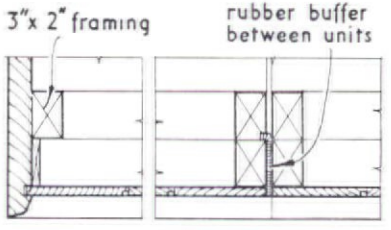




KEY PLAN OF BENCH AND DAIS scale ⅛"=1'-0"



PART FRONT ELEVATION OF BENCH

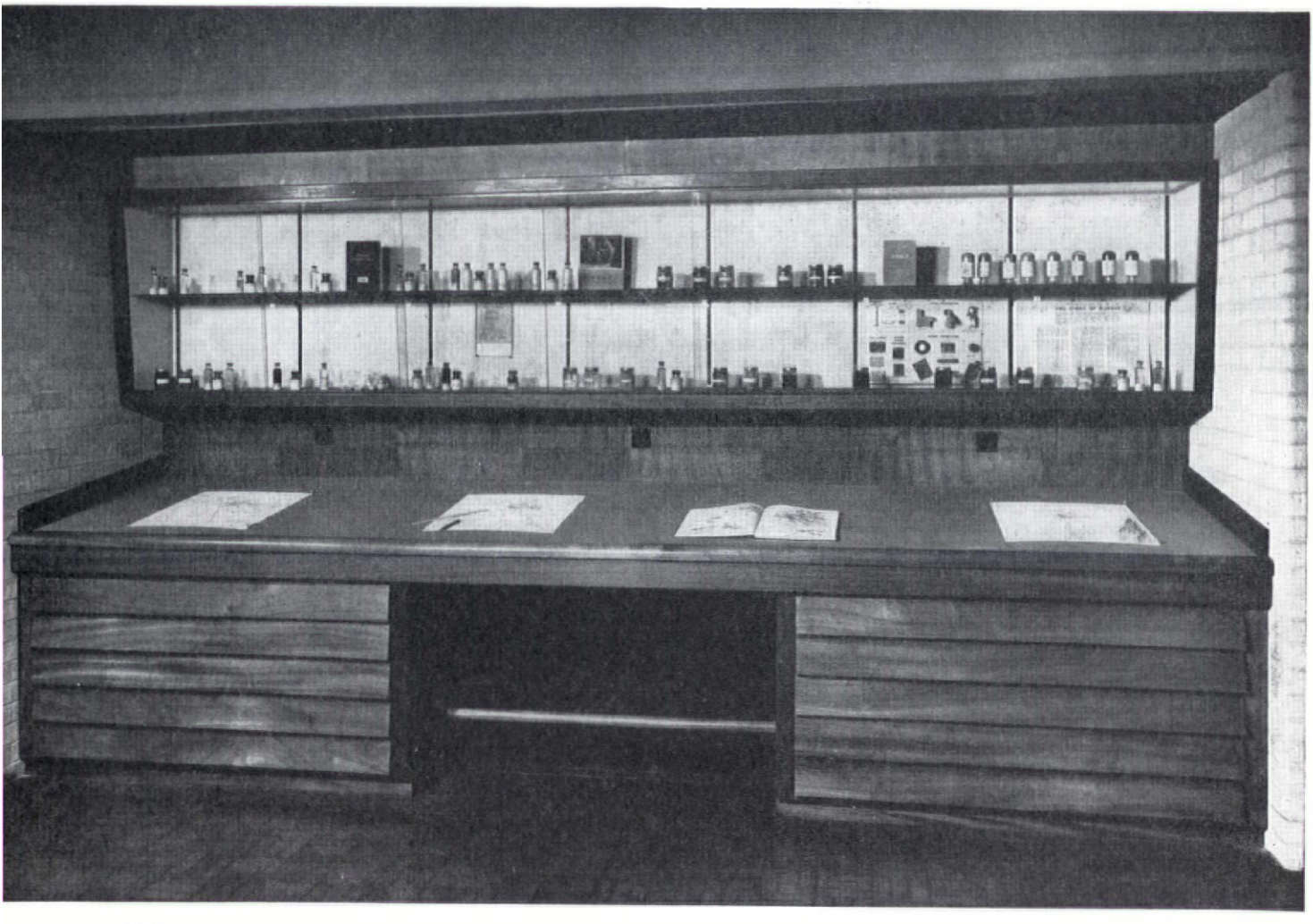


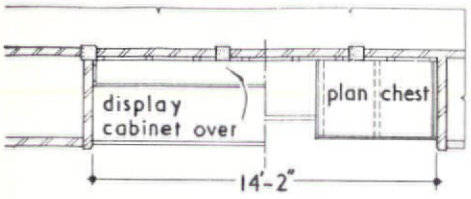
PART PLAN OF BENCH scale 1"=1'-0"

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

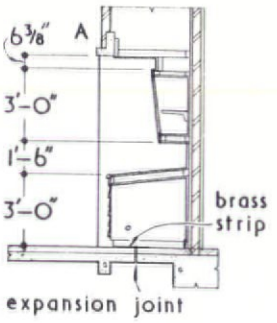
GEOGRAPHY ROOM FITTING : TECHNICAL COLLEGE AT HATFIELD
DESIGNED BY EASTON AND ROBERTSON

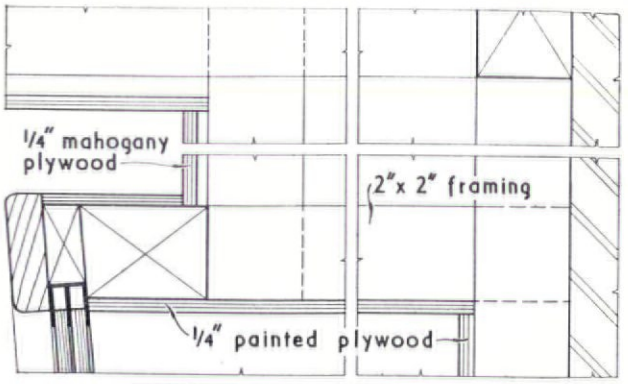
The drawers for maps and charts are made of mahogany with the fronts shaped so as to provide continuous hand-grips.

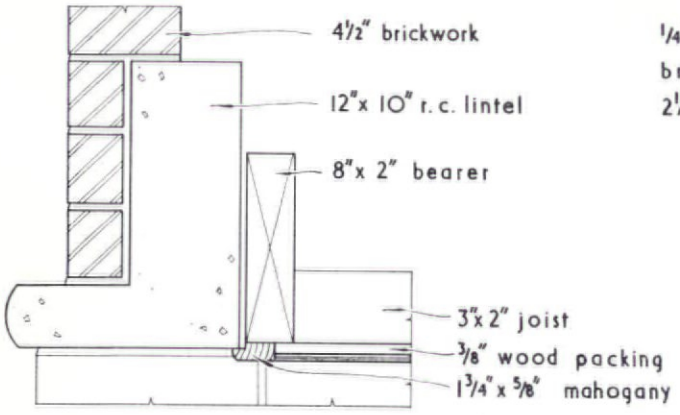




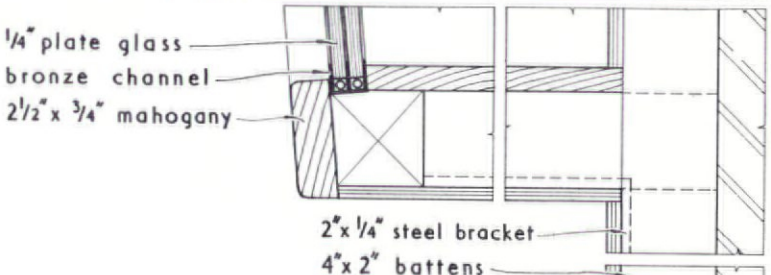
PLAN AND SECTION THRO' CENTRE OF FITMENT
scale 1/8" = 1'-0"

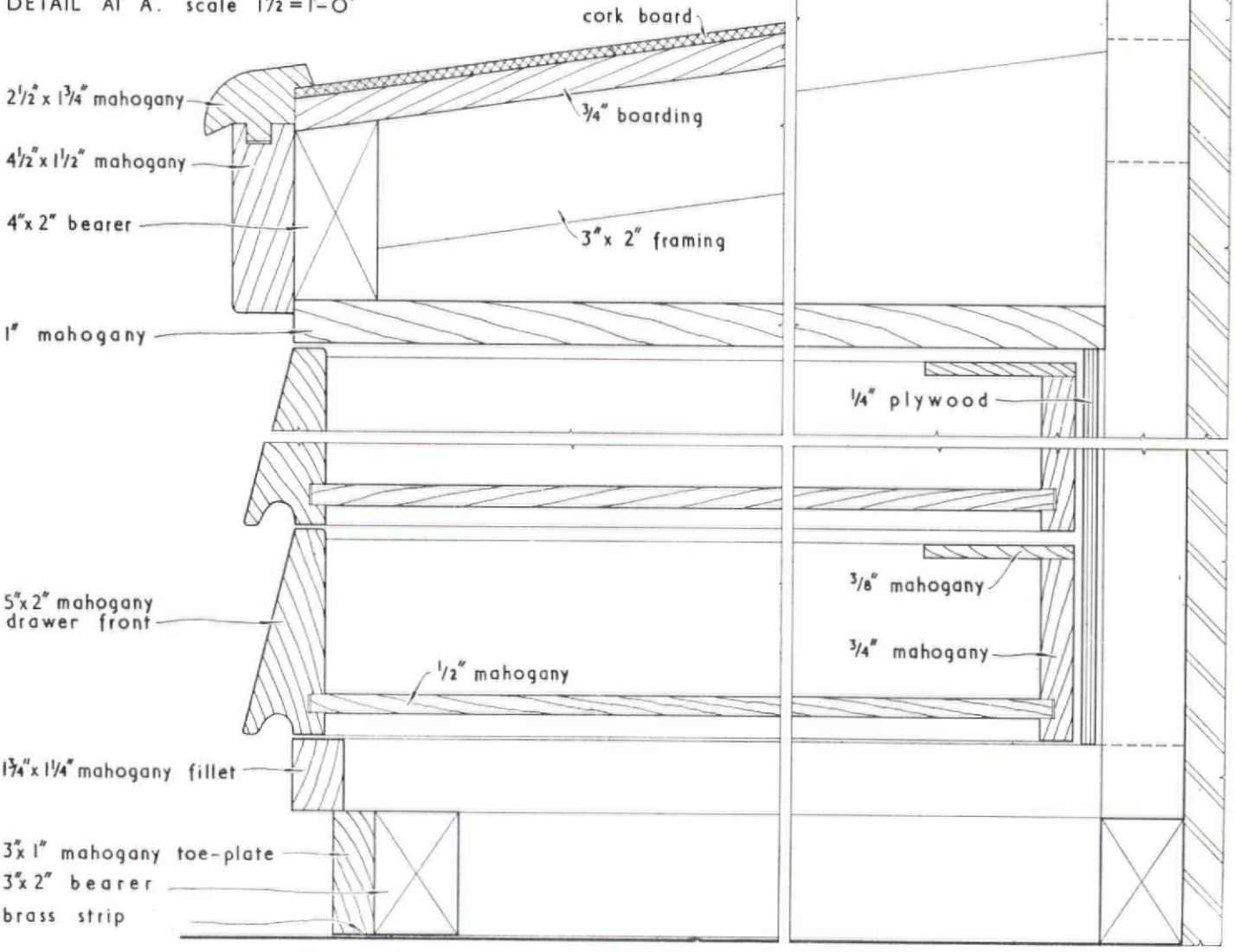






DETAIL AT A. scale 1 1/2" = 1'-0"



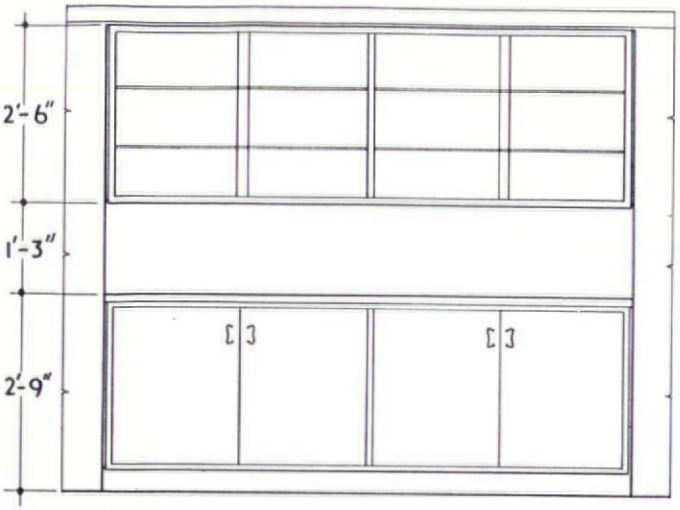


SECTION THROUGH FITMENT. scale 1/4 full size

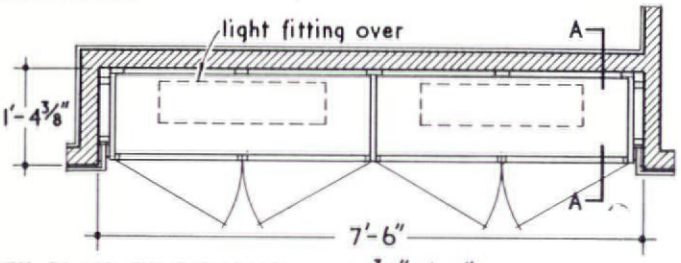
SHOWCASE : SOCIETY HEADQUARTERS, LONDON, N.W.1

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

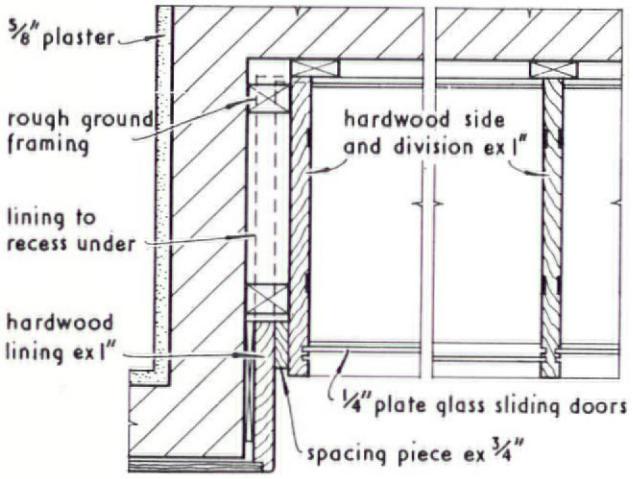
The showcase has glass shelves and sliding doors and is fitted into a recess lined with hardwood. The cupboard doors are of painted blockboard.



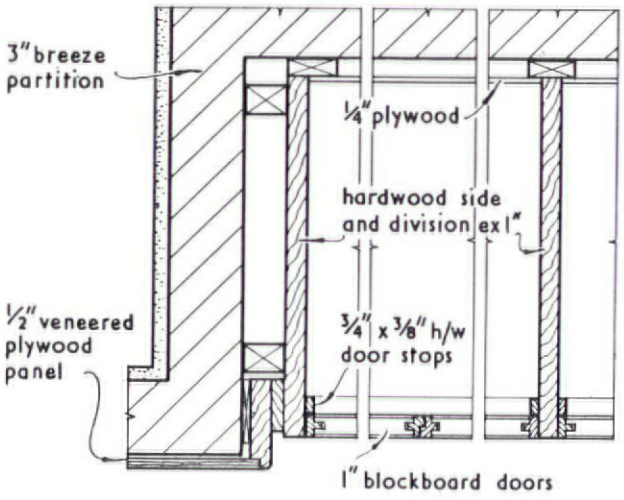
ELEVATION.



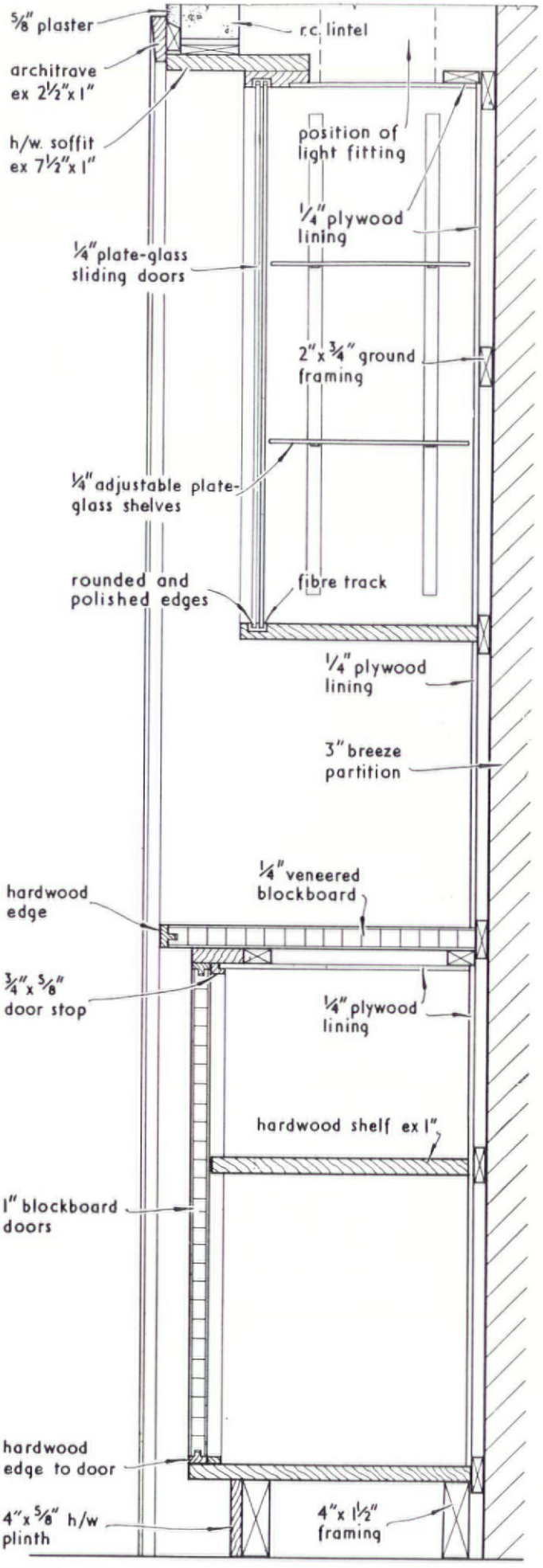
KEY PLAN OF FITMENT. scale ⅜" = 1'-0"



PLAN OF SHOWCASES. scale 1½" = 1'-0"



PLAN OF CUPBOARDS. scale 1½" = 1'-0"

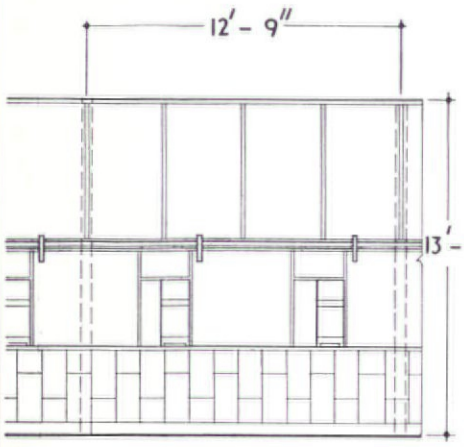


SECTION THRO' FITMENT AT A-A. scale 1½" = 1'-0"

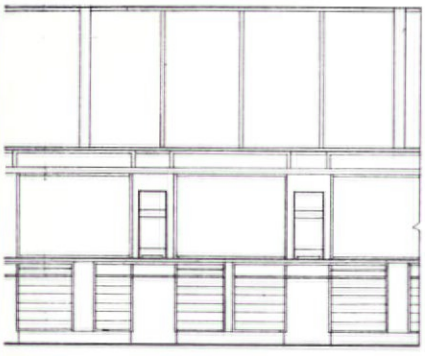
BOOKING OFFICE SCREEN : PADDINGTON STATION, LONDON, W.2

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.



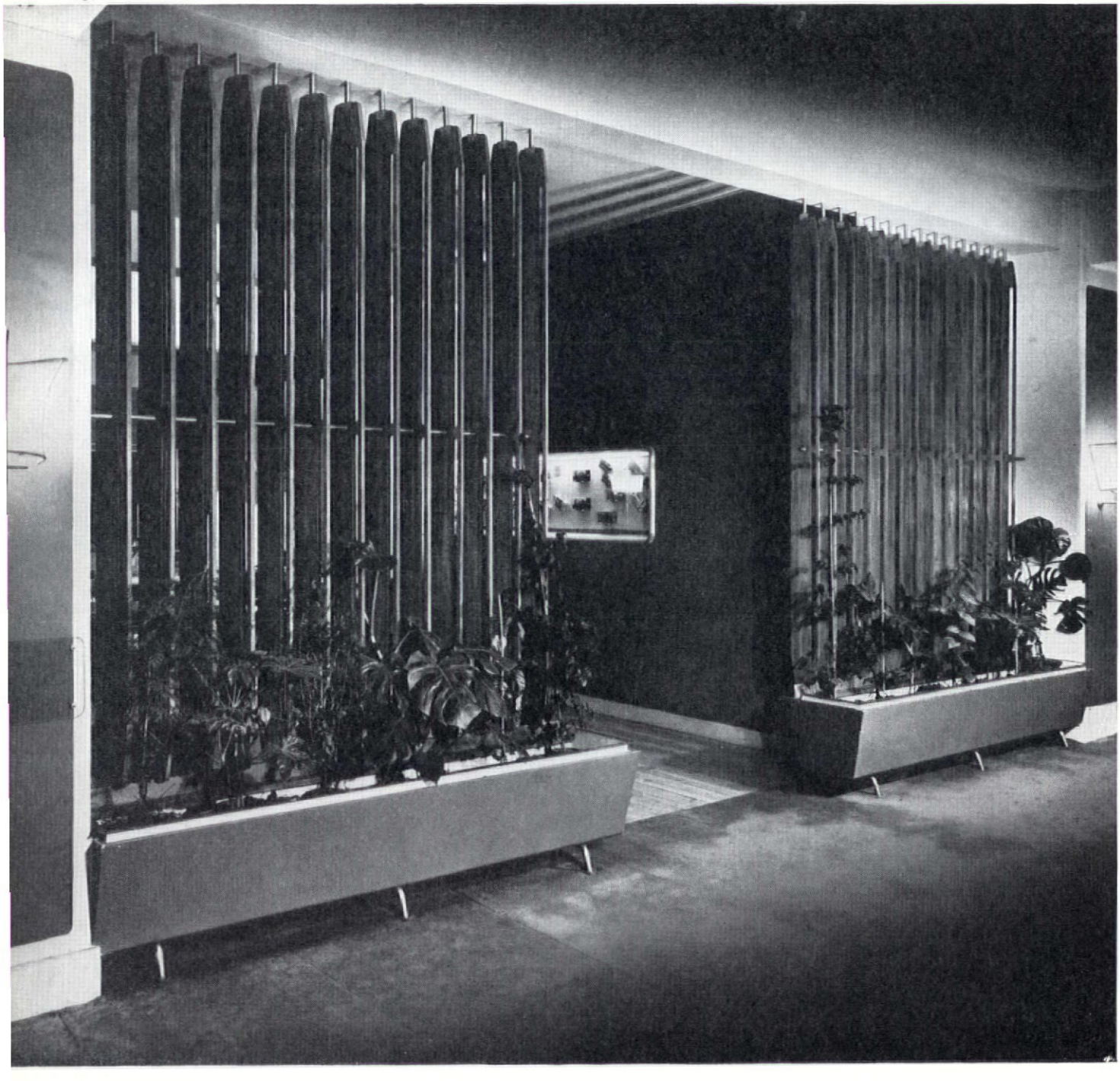
INTERIOR ELEVATION.
scale ⅛″ = 1′ - 0″

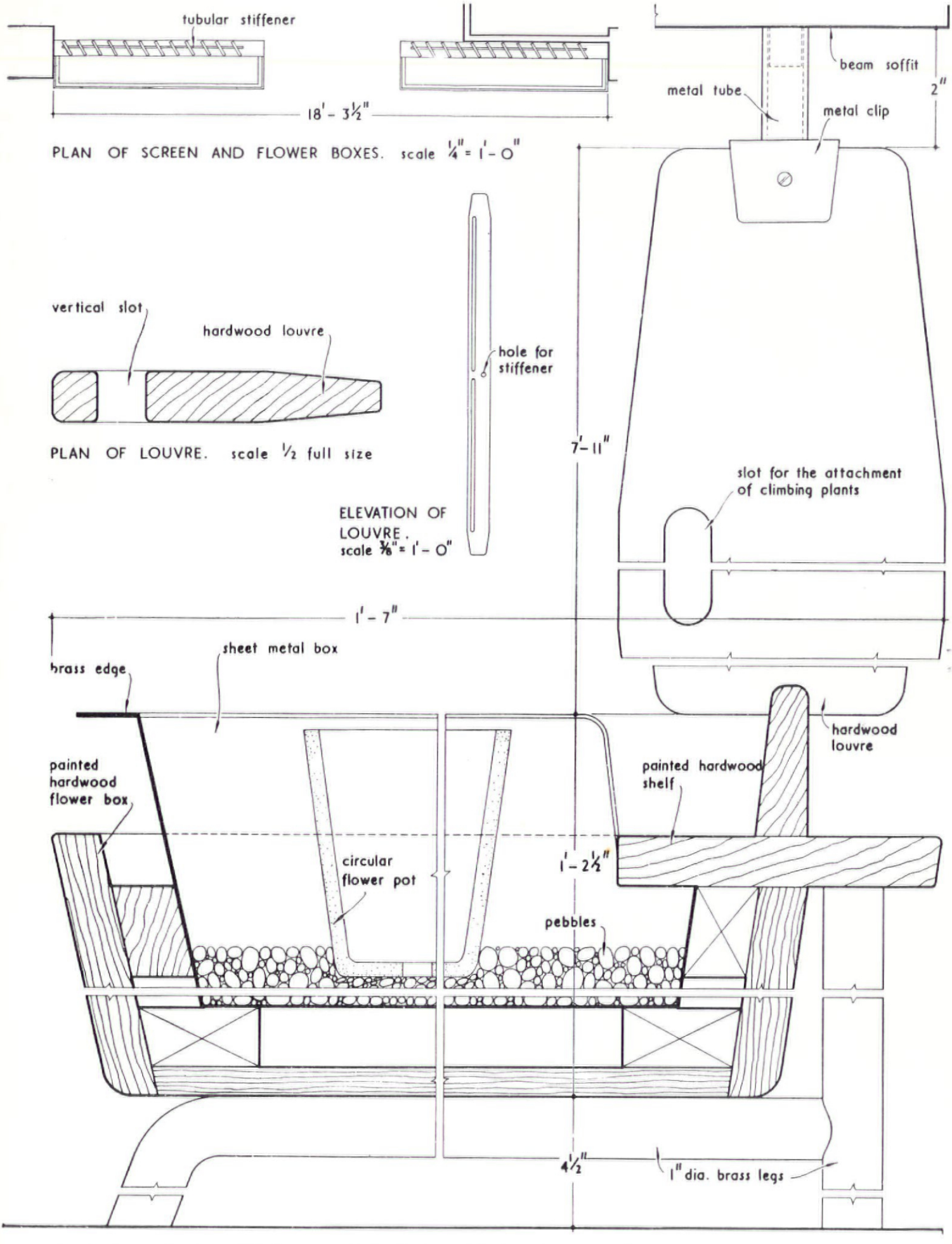
VERTICAL SECTION THROUGH TICKET WINDOW AND DRAWERS scale 1½″ = 1′ - 0″

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 ¼" = 1' - 0"

PLAN OF LOUVRE. scale ½ full size

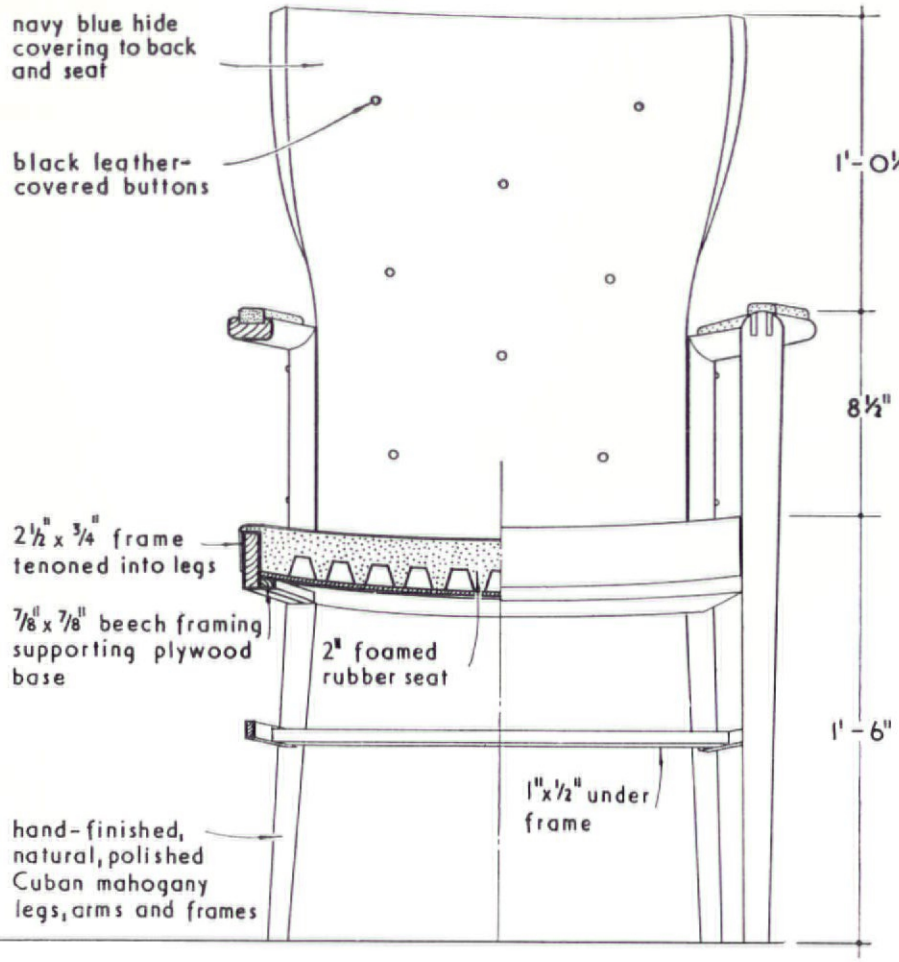
ELEVATION OF LOUVRE. scale ⅜" = 1' - 0"

VERTICAL SECTION THROUGH SCREEN AND FLOWER BOX scale ½ full size

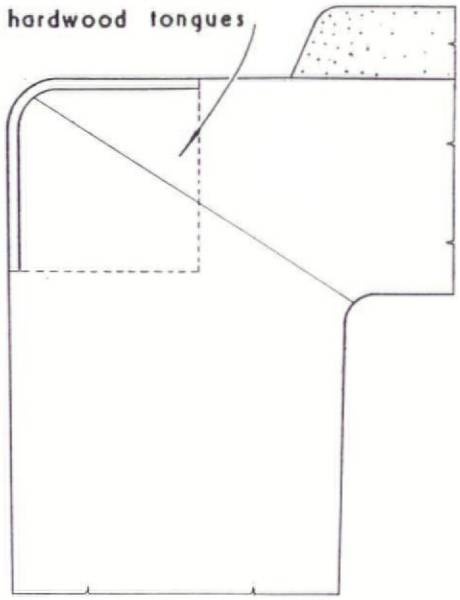
OFFICE CHAIRS : BANK IN LONDON E.C.3

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

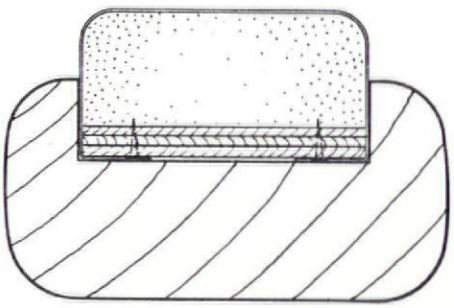
The chairs are in mahogany and have backs and seats upholstered in foamed rubber covered with hide.



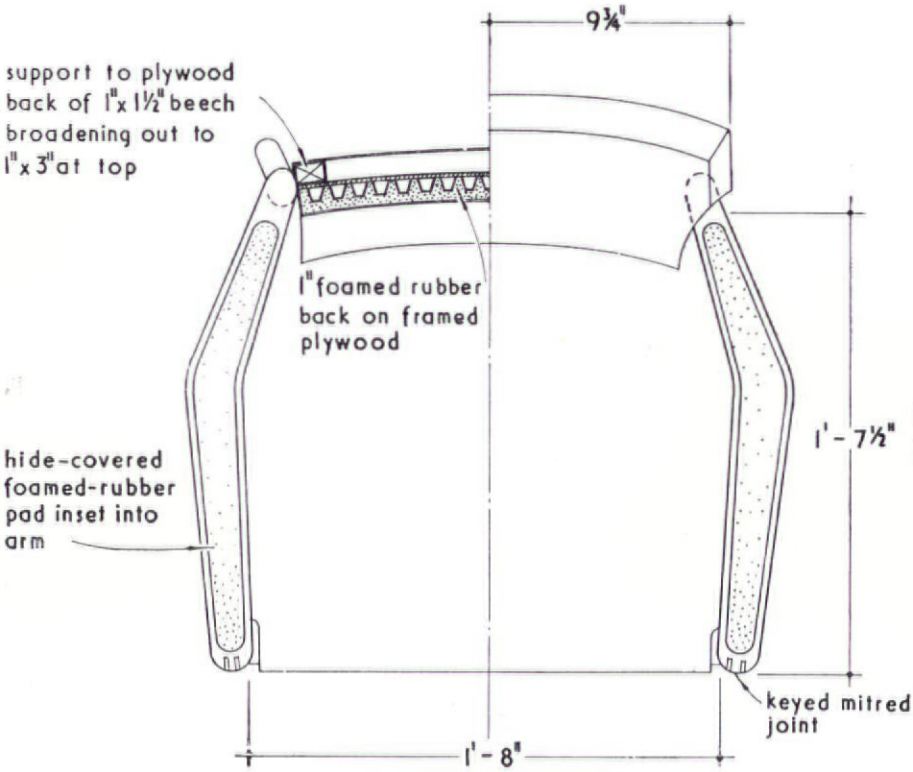
PART SECTION AND FRONT ELEVATION OF CHAIR.
scale 1½" = 1'-0"



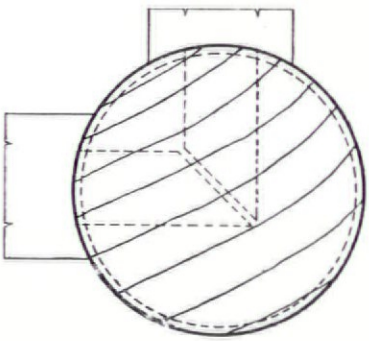
SIDE ELEVATION OF KEYED MITRED JOINT. scale full size



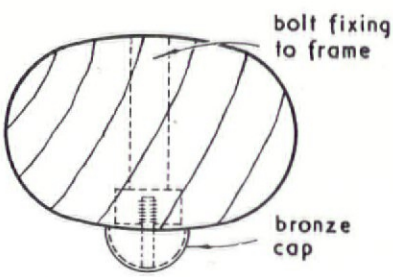
FULL SIZE SECTION THRO' ARM.



PART SECTION AND PLAN OF CHAIR. scale 1½" = 1'-0"



FULL SIZE SECTION THRO' FRONT LEG.

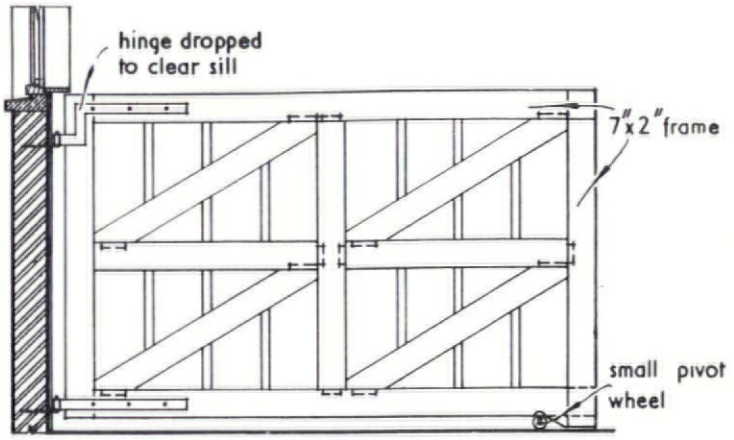


FULL SIZE SECTION THRO' BACK LEG.

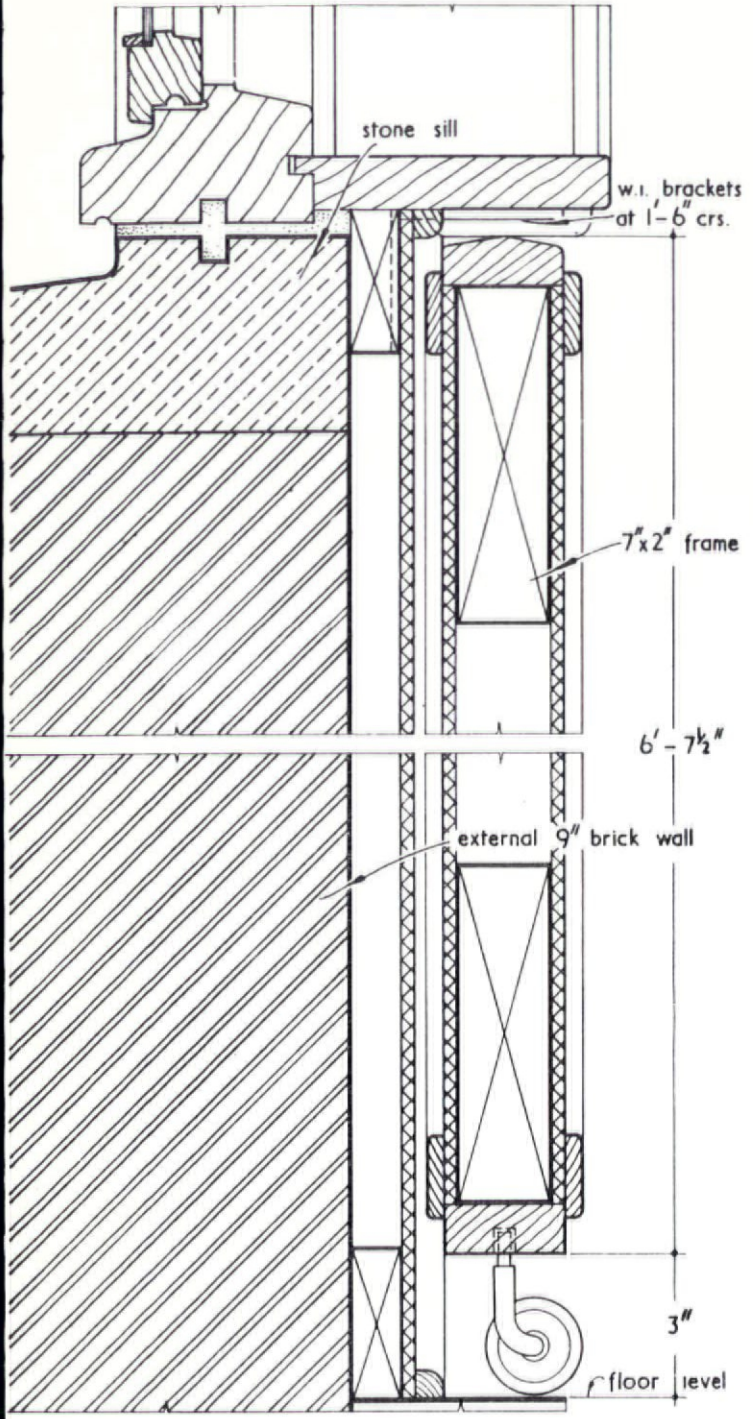
DISPLAY PANELS, DEPARTMENT OF CIVIC DESIGN, UNIVERSITY OF LIVERPOOL

DESIGNED BY GORDON STEPHENSON; NORMAN KINGHAM (assistant architect)

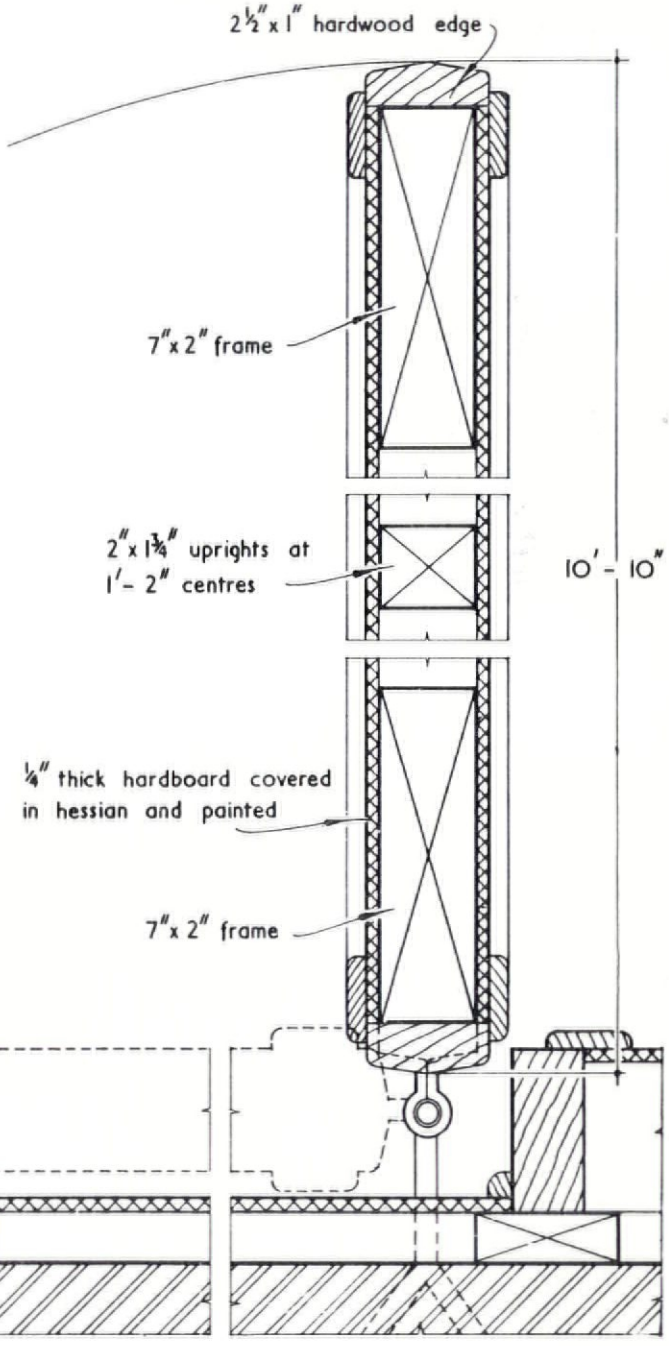
The panels, which are for exhibiting students' drawings, are hinged to fold back against the wall. A small pivoted wheel supports the free end of the panel.

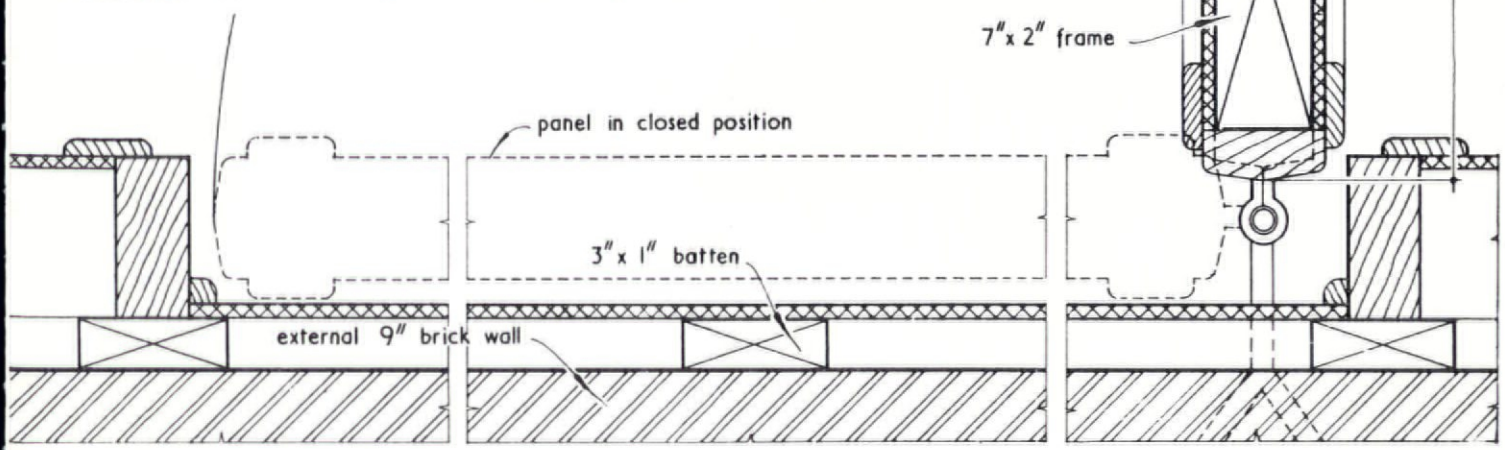


ELEVATION SHOWING FRAMING OF PANEL scale ¼" = 1'-0"



VERTICAL SECTION THRO' PANEL scale ¼ full size



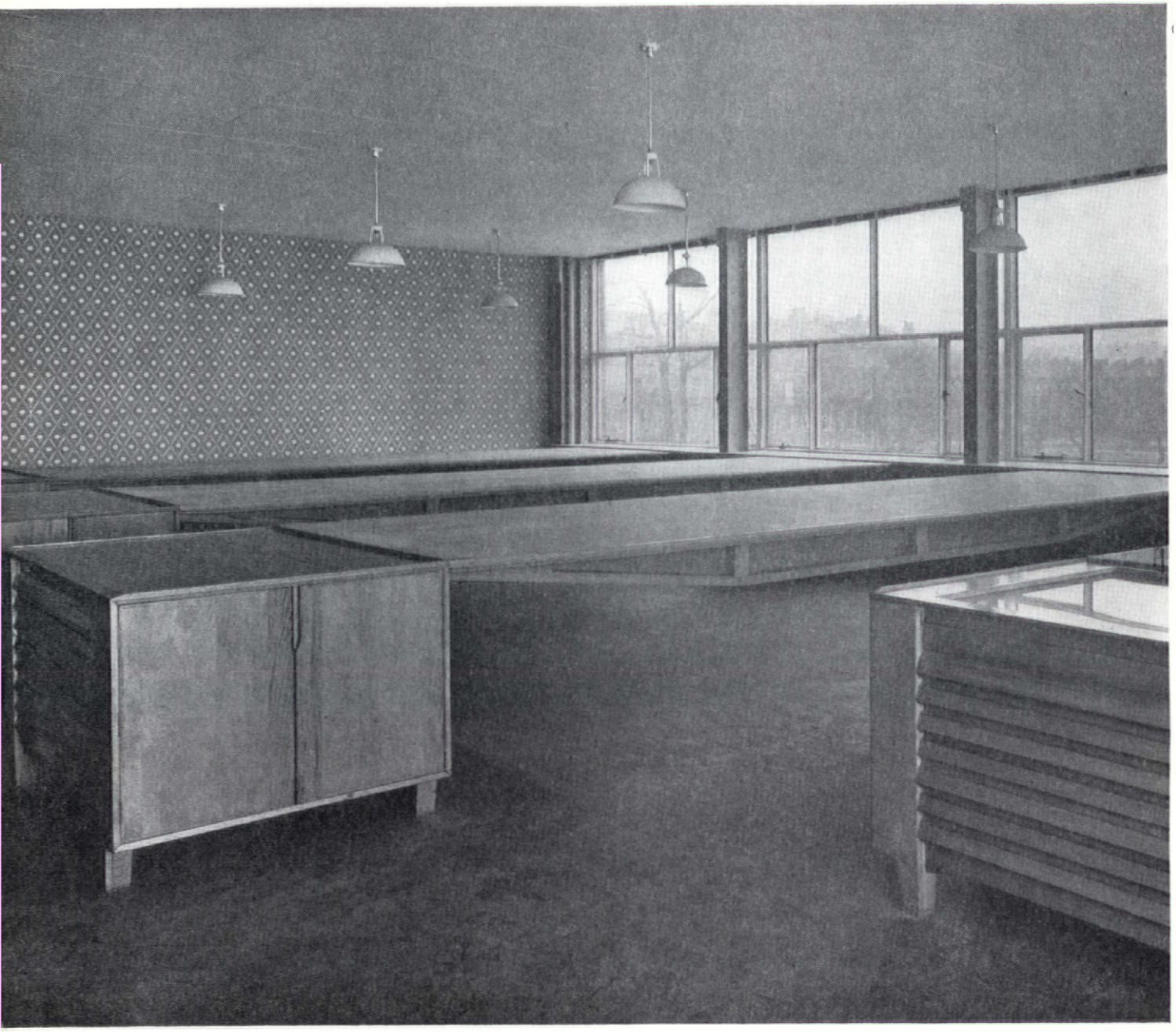


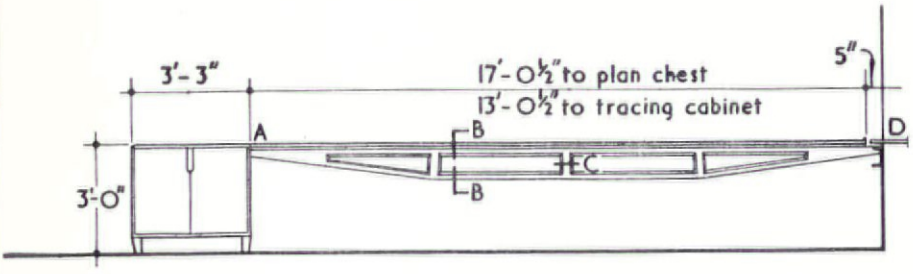
PLAN OF PANEL AND RECESS scale ¼ full size

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)

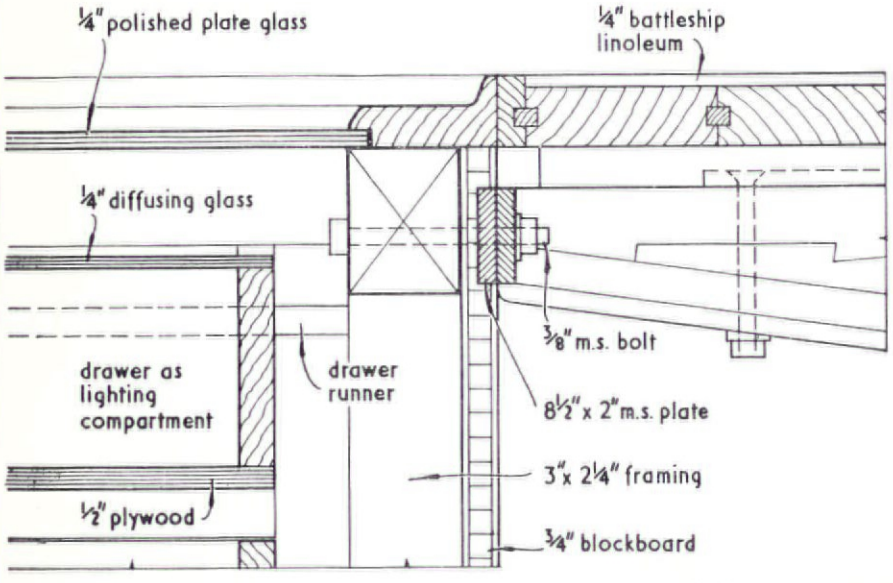
The long drawing tables, supported at their ends only, have been designed to carry a load of 70 *lb./sq. ft.*



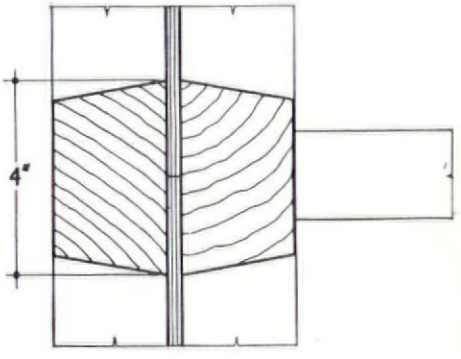


ELEVATION OF PLAN CHEST AND DRAWING TABLE.
scale 3/16" = 1'-0"

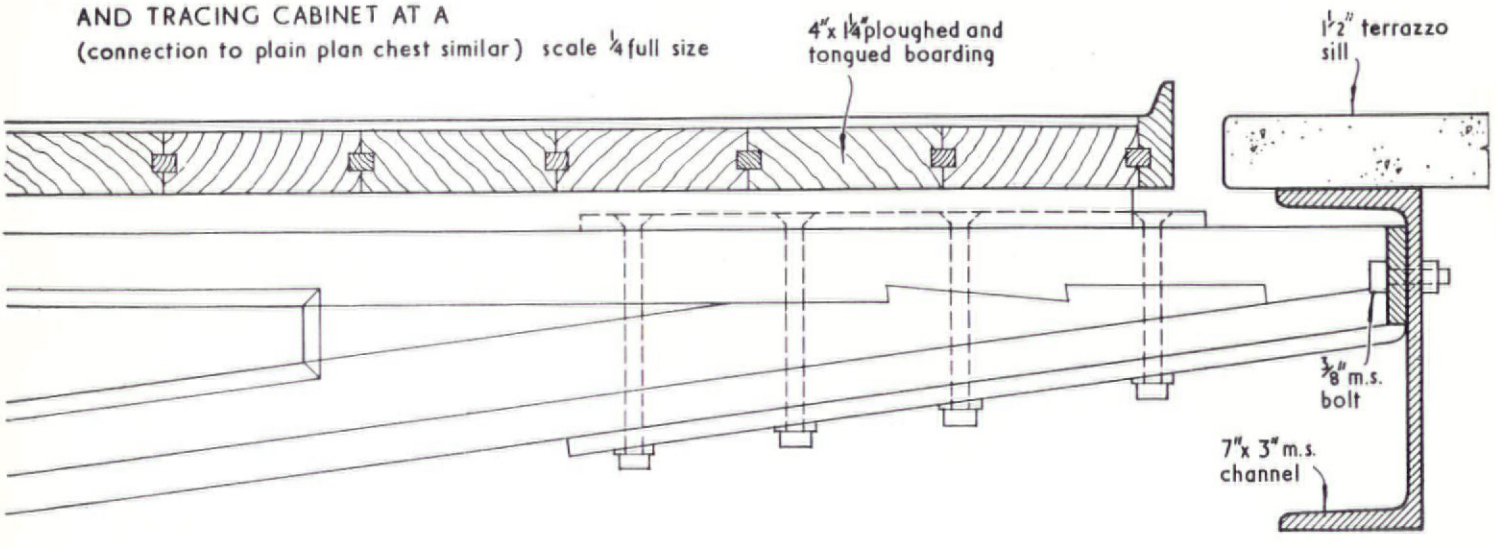
CROSS SECTION THRO' DRAWING TABLE AT B-B. scale ¼ full size



DETAIL OF CONNECTION TO COMBINED PLAN CHEST AND TRACING CABINET AT A
(connection to plain plan chest similar) scale ¼ full size



PLAN THRO' SPACER AT C
scale ¼ full size



DETAIL OF CONNECTION TO WALL AT D
scale ¼ full size

This is a combined index for Volumes 1 and 2. The references and page numbers printed in roman type refer to the present volume, and those printed in italics refer to Volume 1.