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LEWIS J. COWAN
ARCHITECT-ENGINEER
1505 PINE ST.
PHILA. 2, PA.

SELECTED

ARCHITECTURAL

DETAILS

for . . .
architects, designers
draftsmen & engineers

p PROGRESSIVE
—
a ARCHITECTURE

L.C. 0933

foreword:

The following pages of architectural detail sheets have been selected from past issues of Progressive Architecture. It is our hope that this book will be of real value to you in your work . . . and that you will continue to find in P/A a full measure of inspiration and practical assistance contributing to your success in your profession.

Sincerely yours,

Tom Creighton

Editor

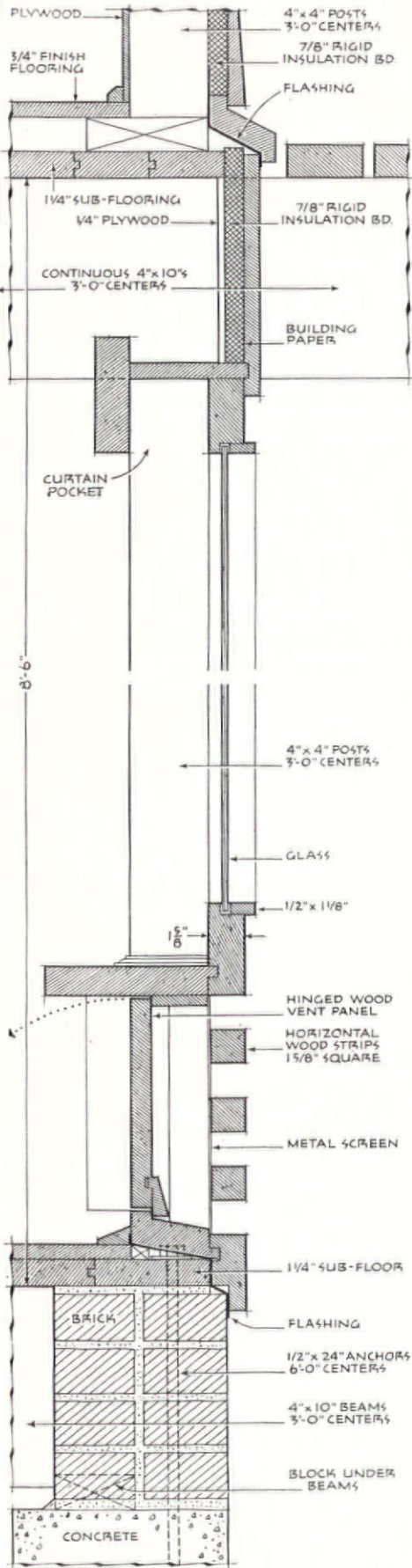
SELECTED ARCHITECTURAL
DETAILS

New Revised • Second Edition

Selected Architectural Details

C O N T E N T S

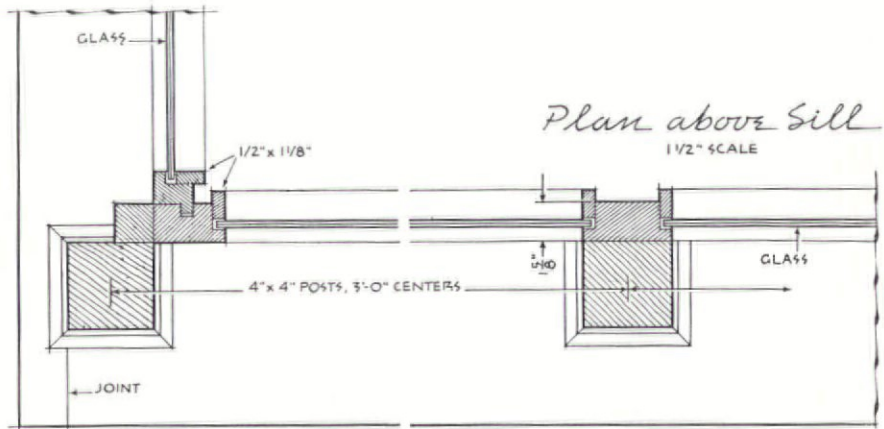
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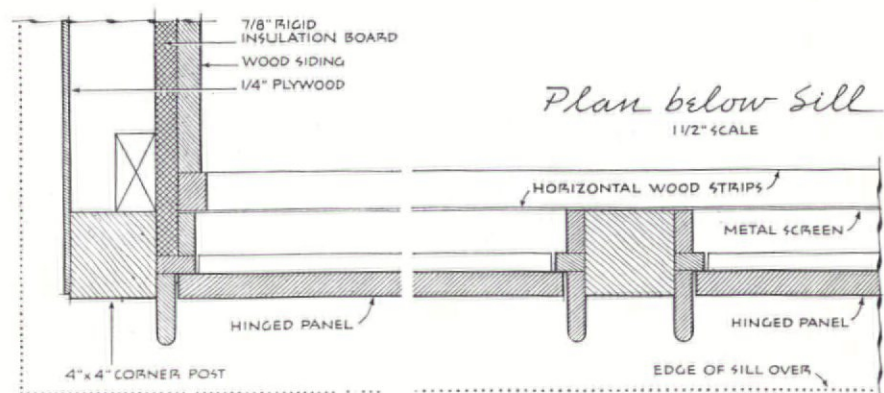
Wall Section 1/2" SCALE



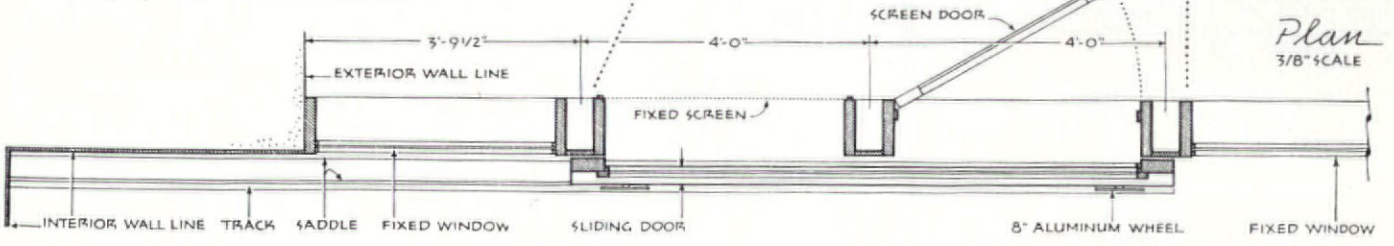
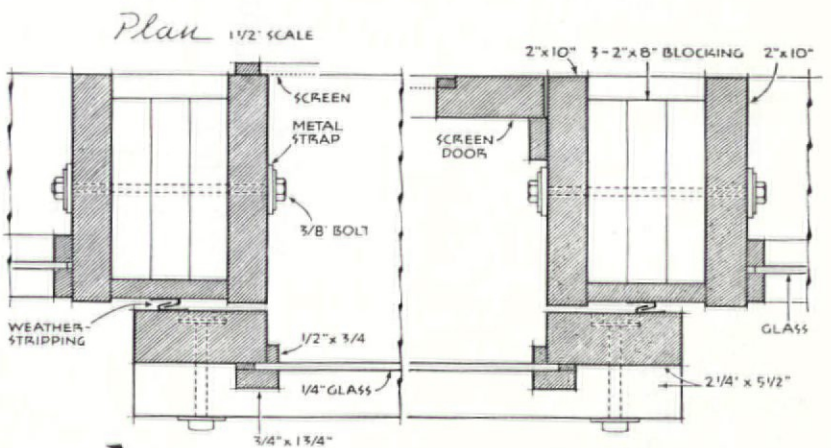
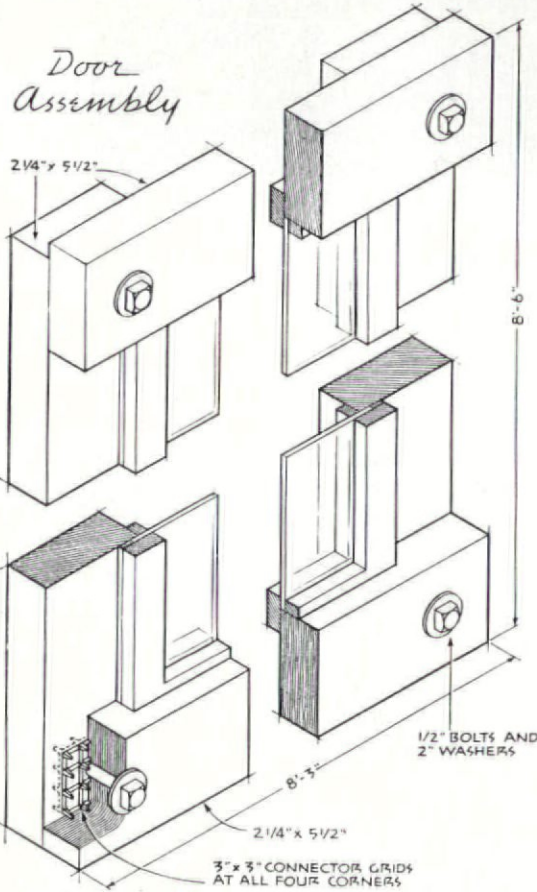
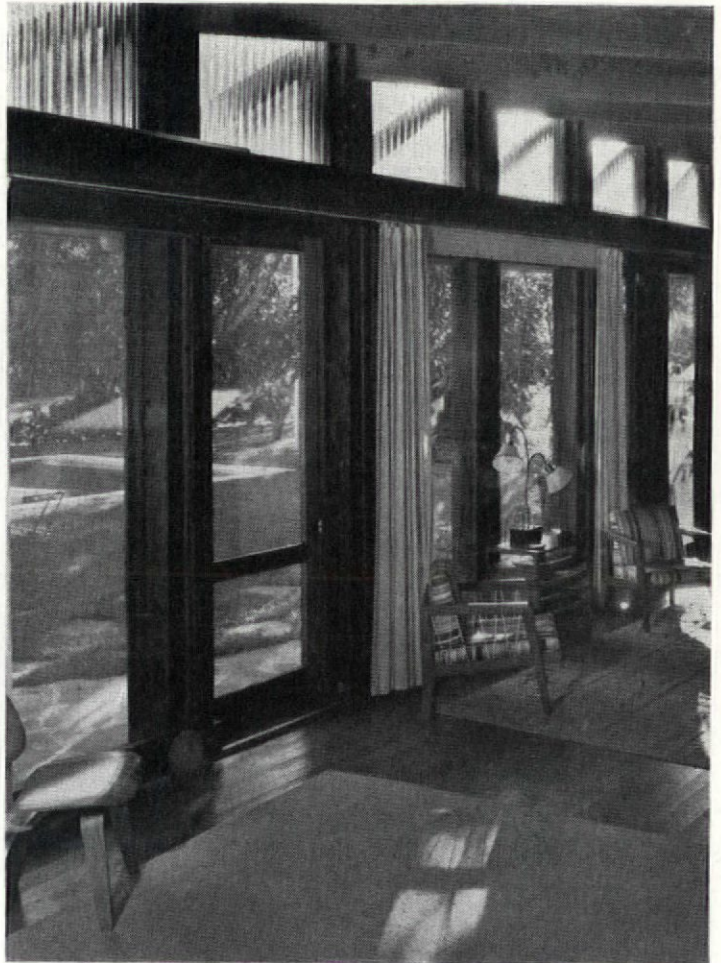
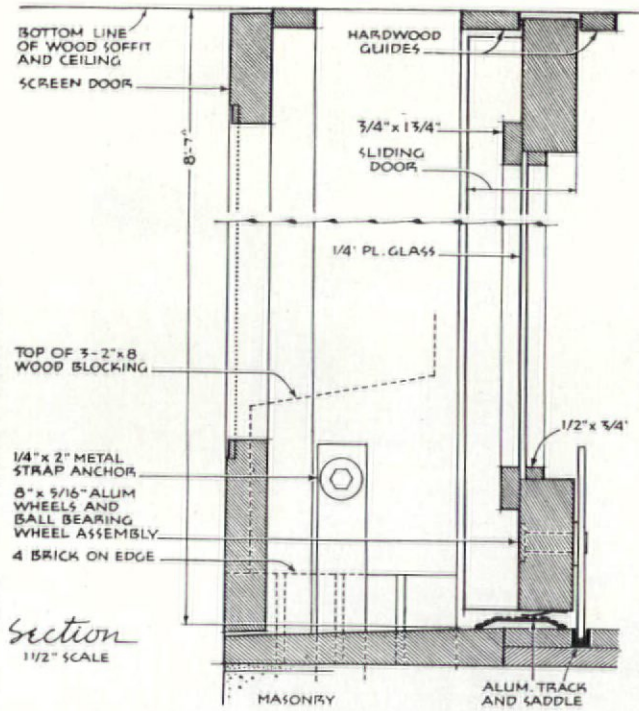
HEDRICH-BLESSING STUDIO

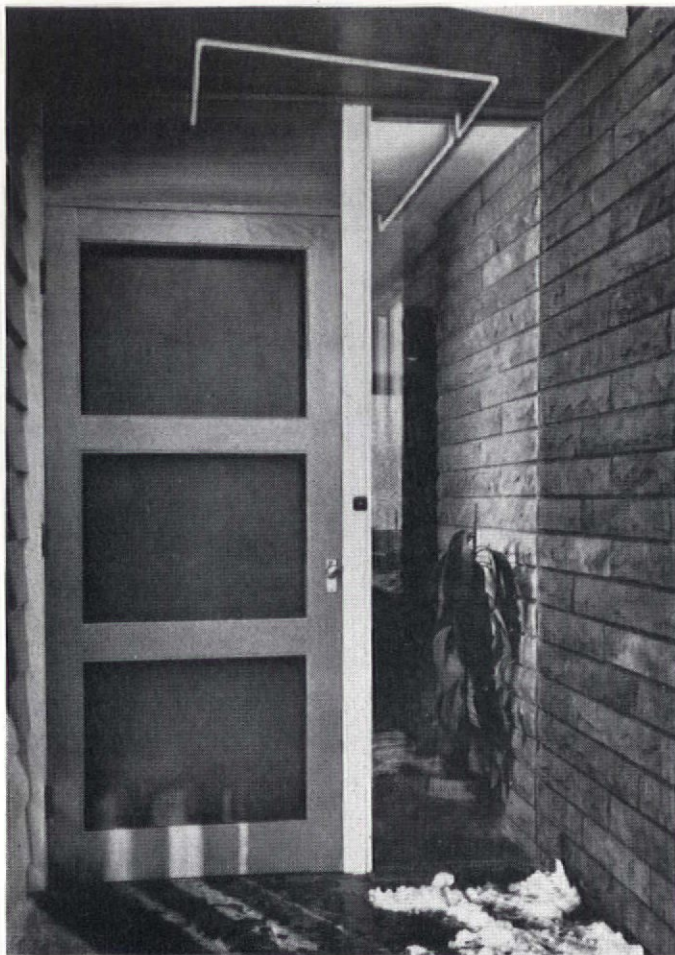
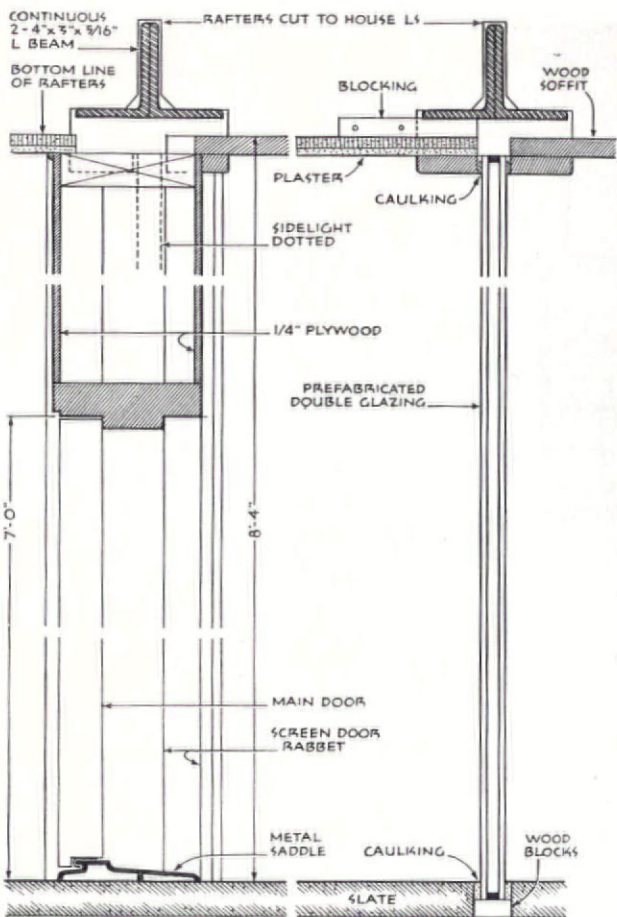


Plan above Sill 1/2" SCALE



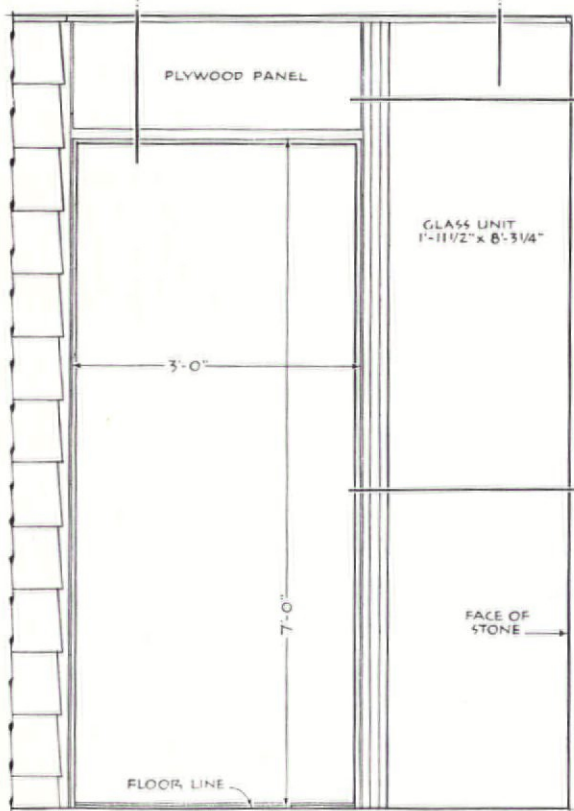
Plan below Sill 1/2" SCALE



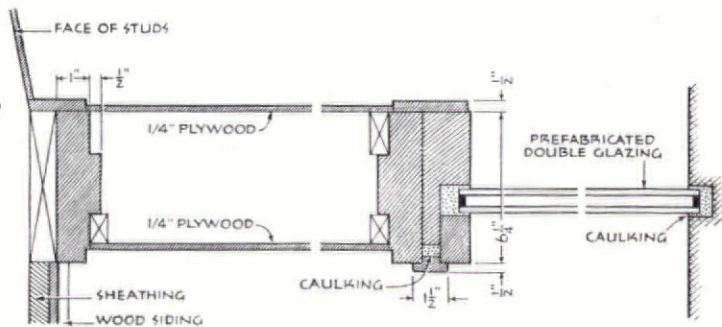


AD. PHOTO

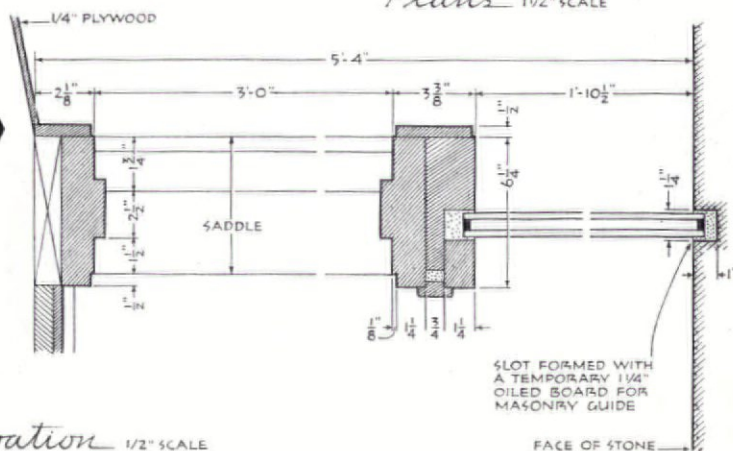
Sections 1/2" SCALE

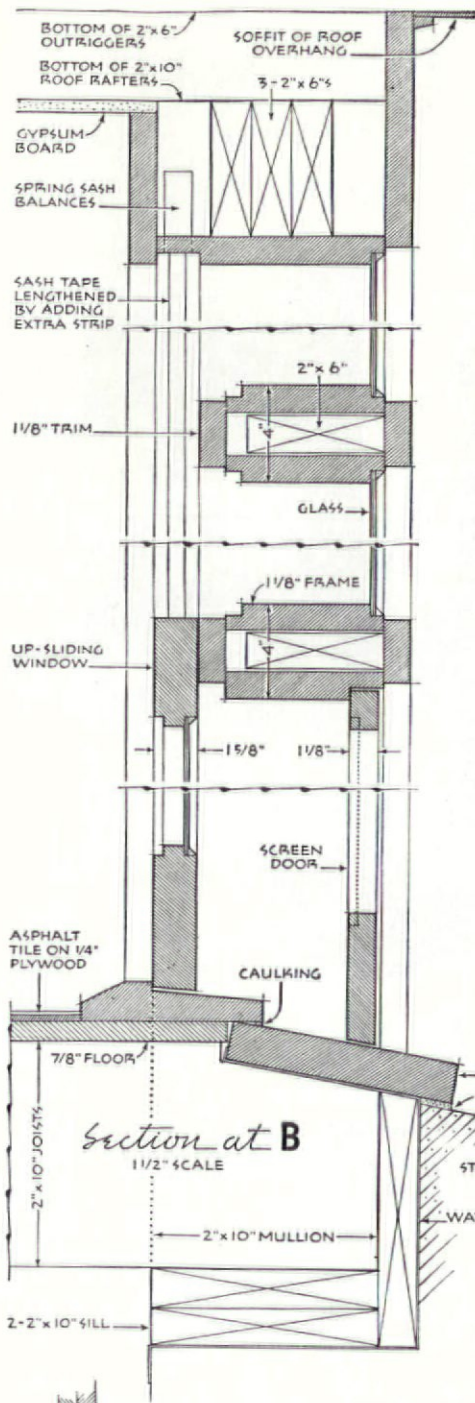


Elevation 1/2" SCALE

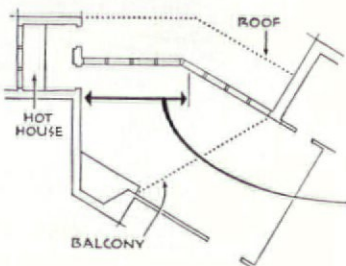


Plans 1/2" SCALE

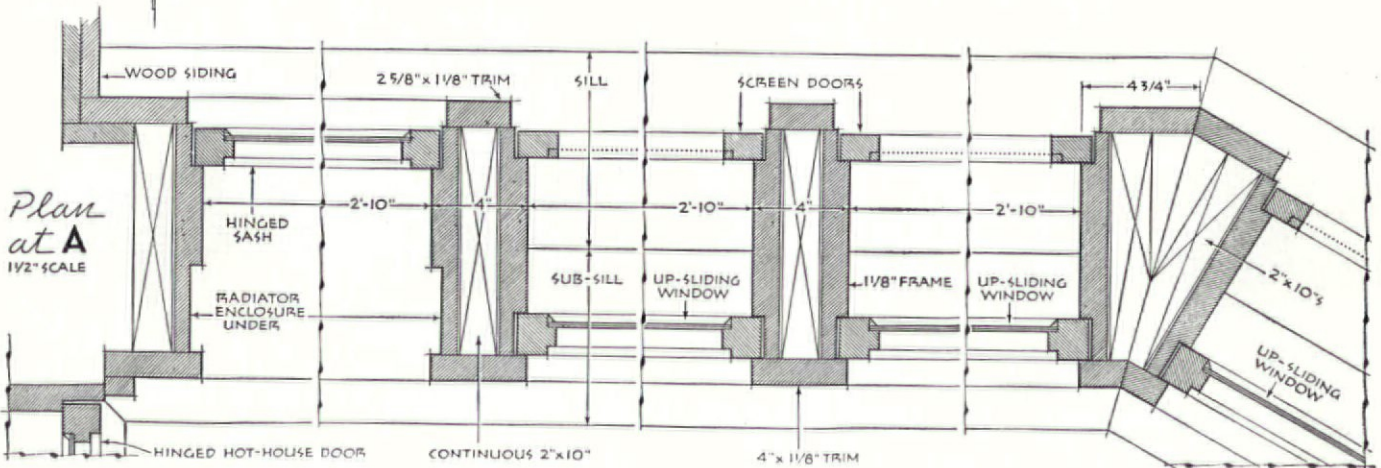
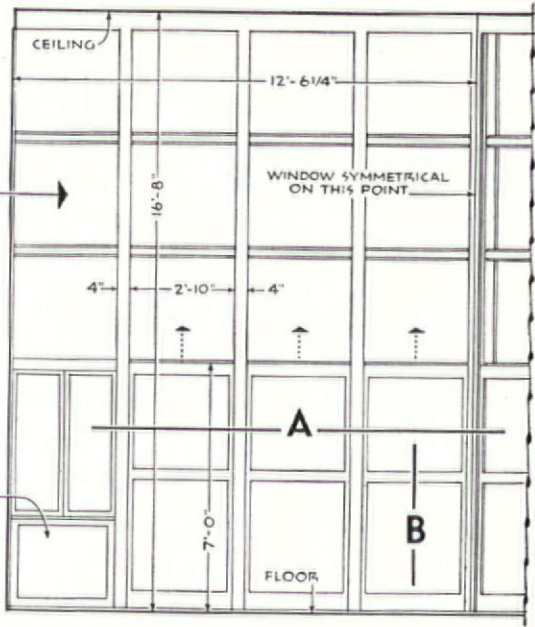


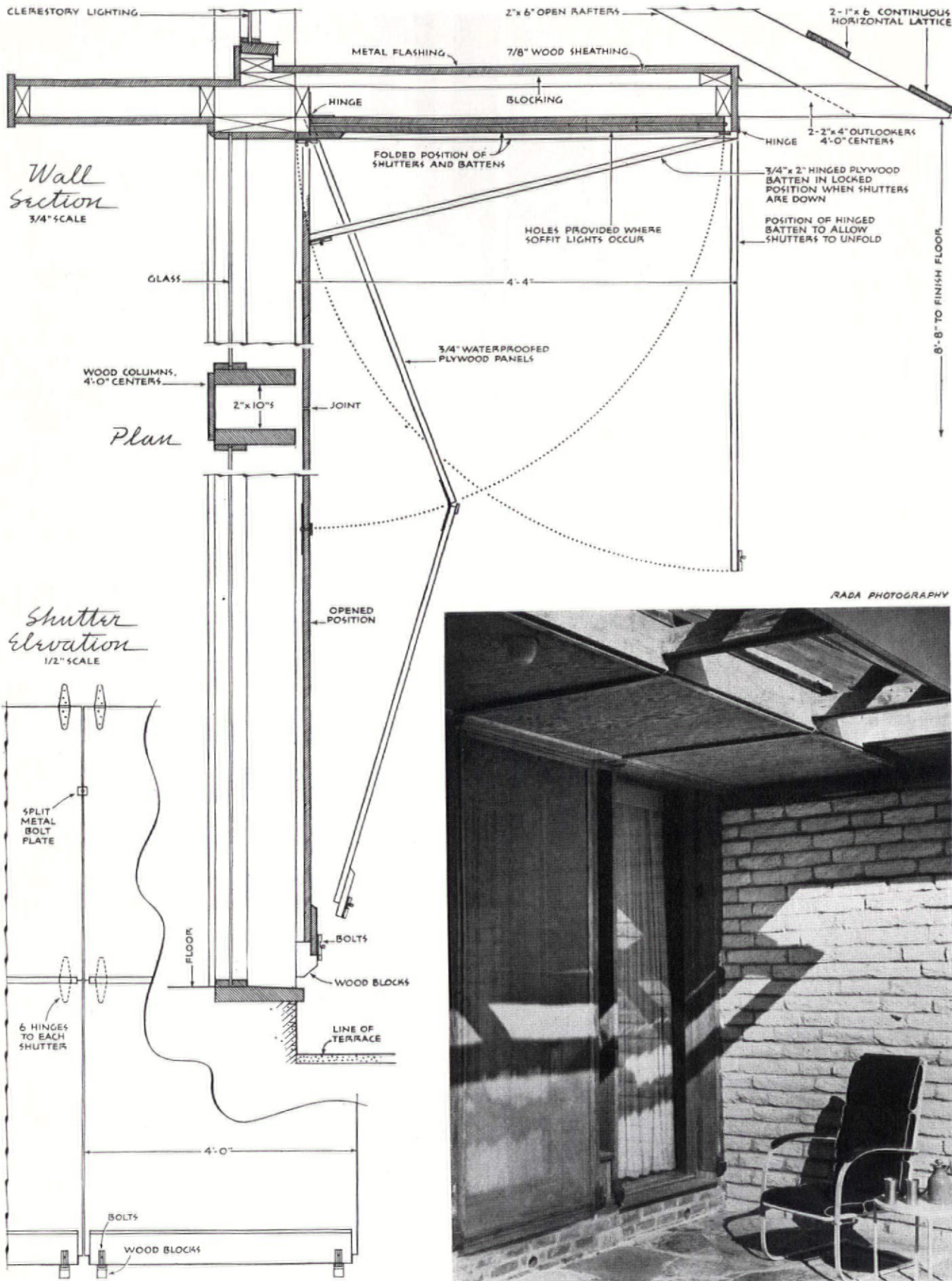


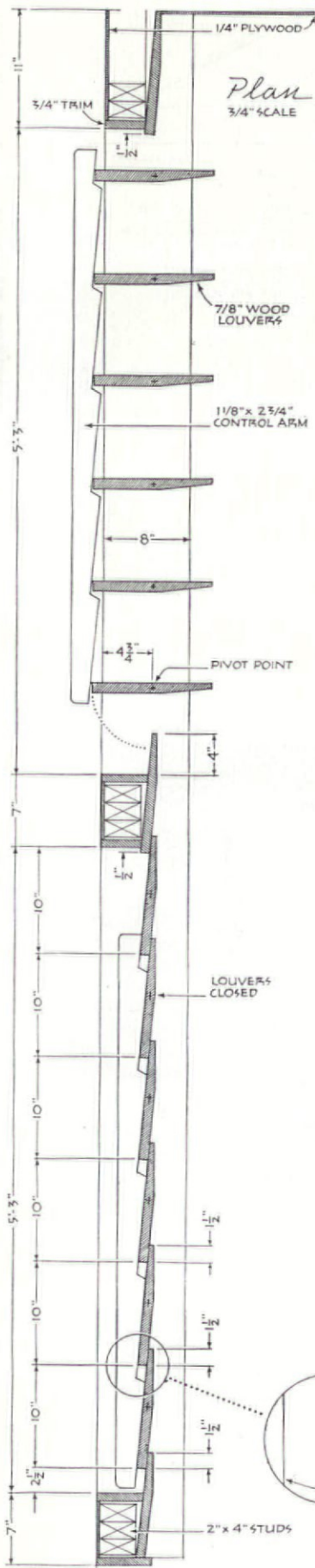
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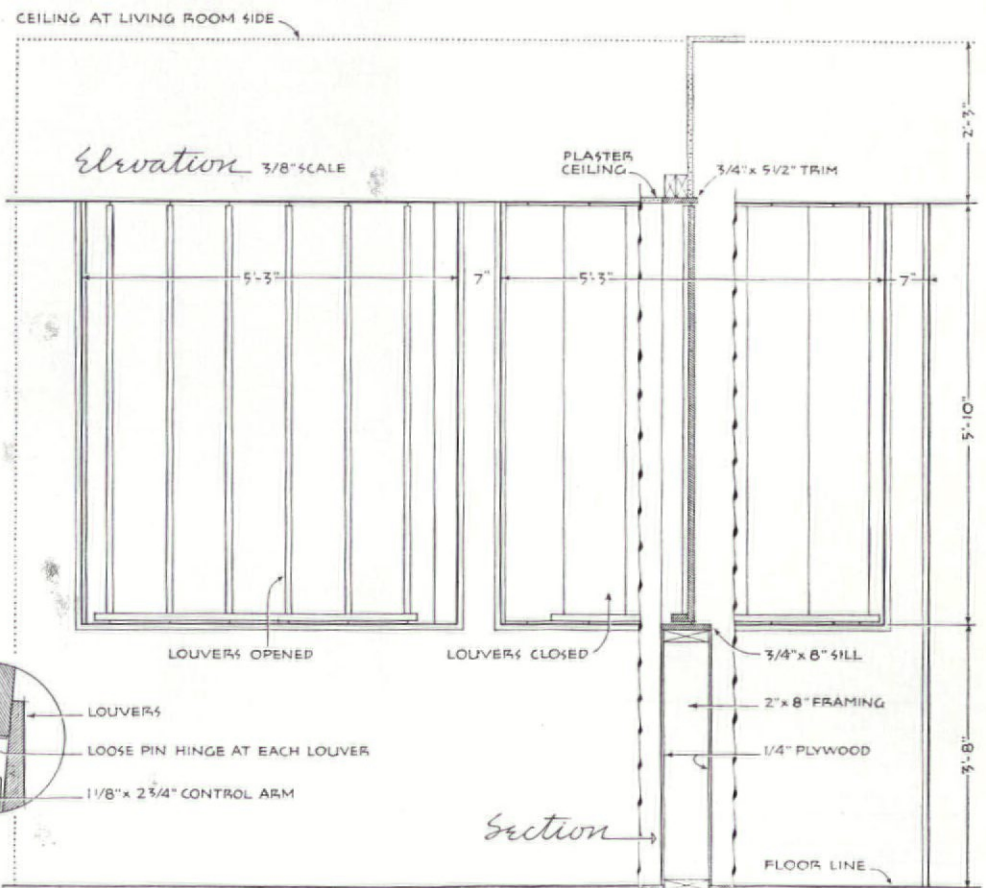
Key Plan

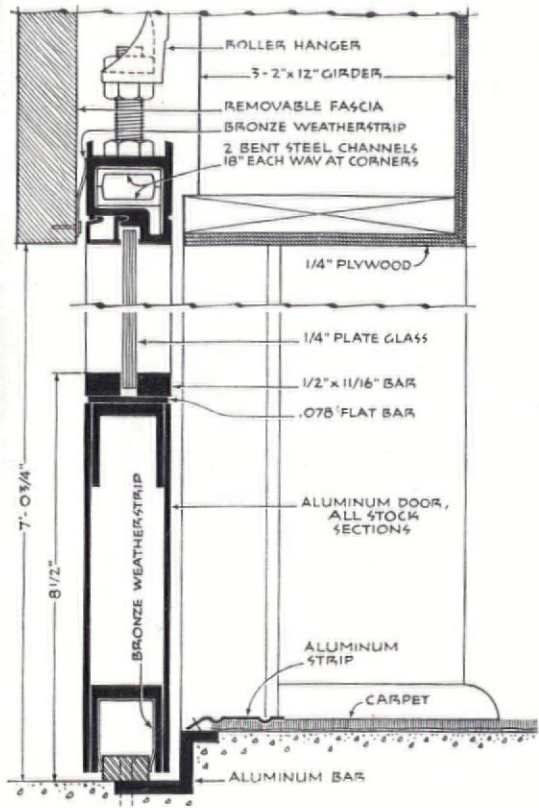




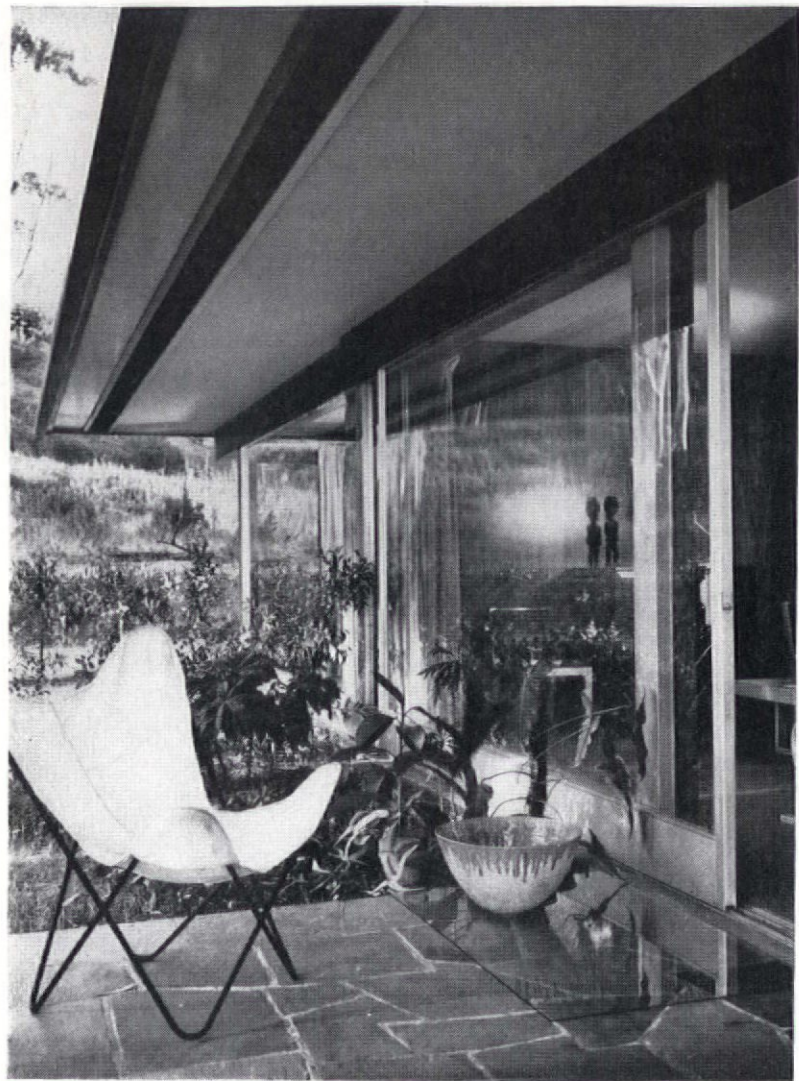


ROBERT C. LAUTMAN

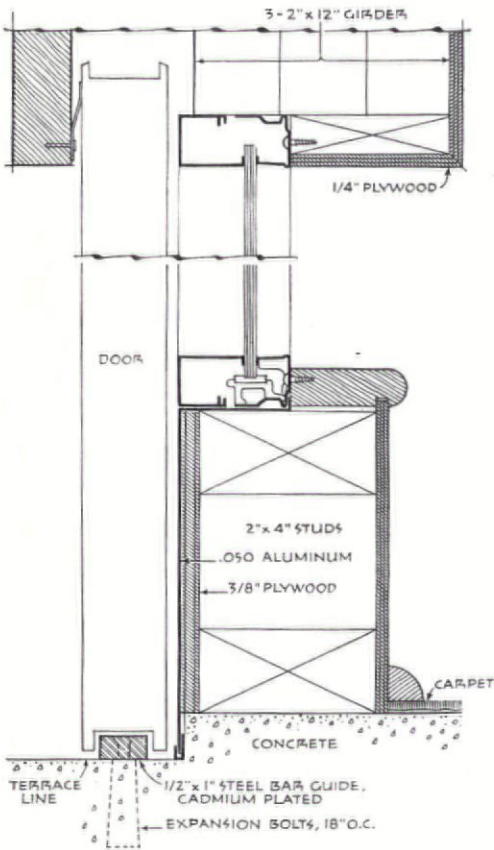




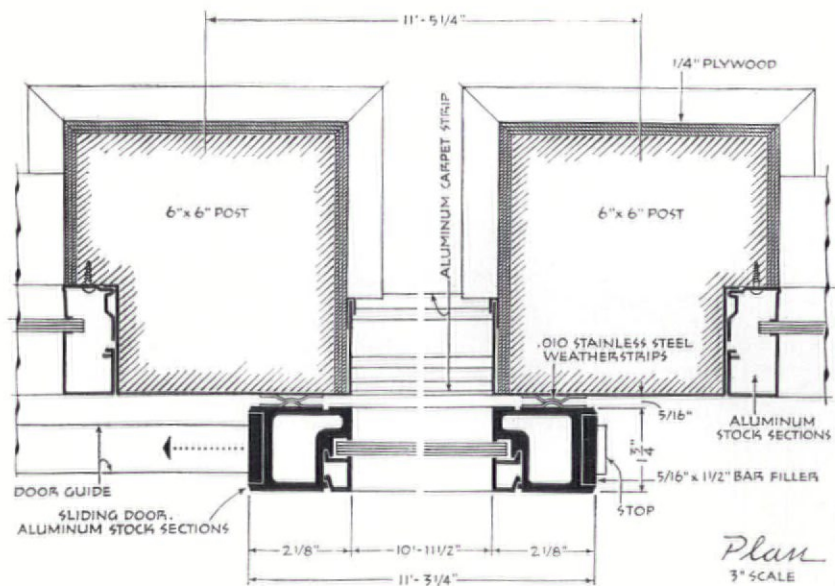
Doorway Section 3" SCALE



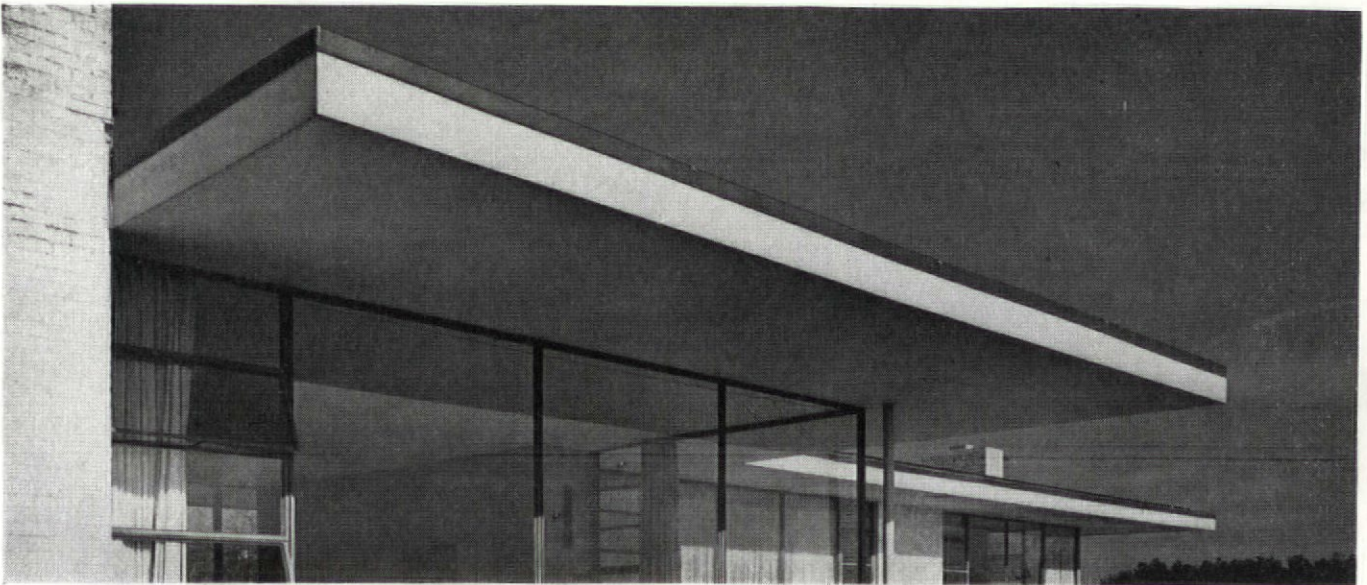
JULIUS SHULMAN



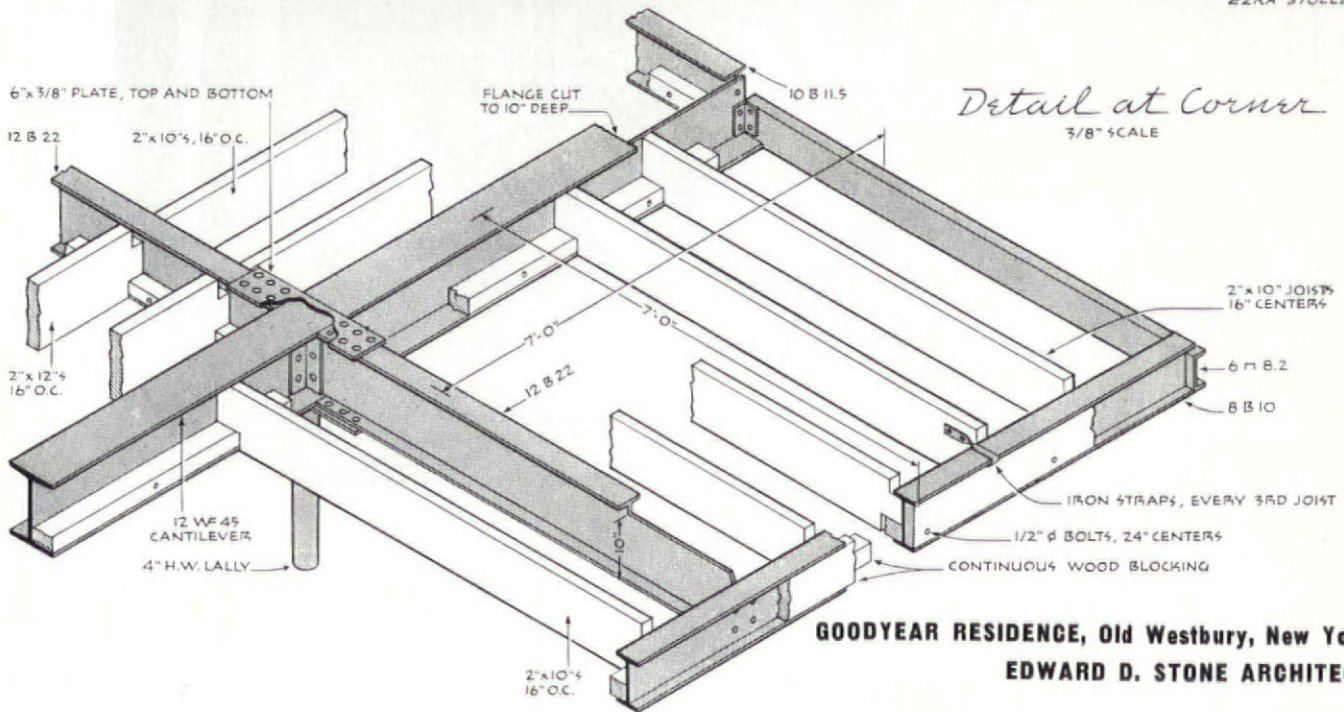
Window Section 3" SCALE



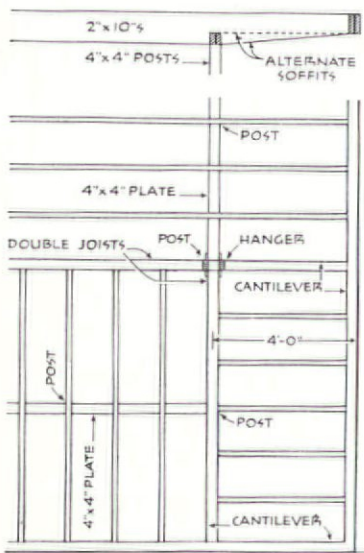
Plan 3" SCALE



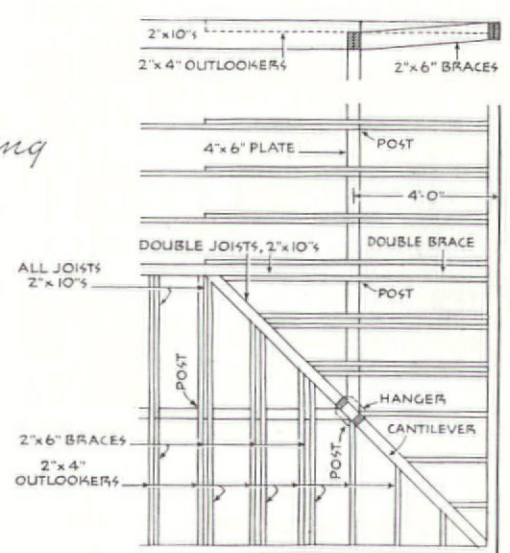
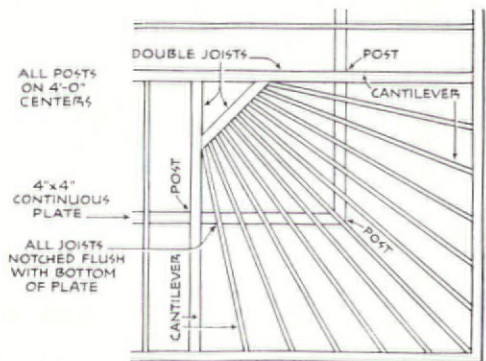
EZRA STOLLER



GOODYEAR RESIDENCE, Old Westbury, New York
EDWARD D. STONE ARCHITECT

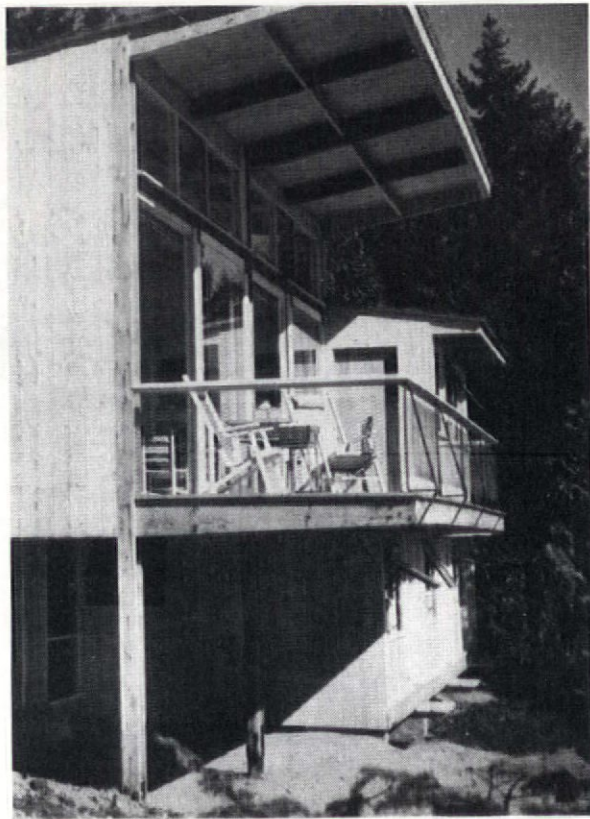
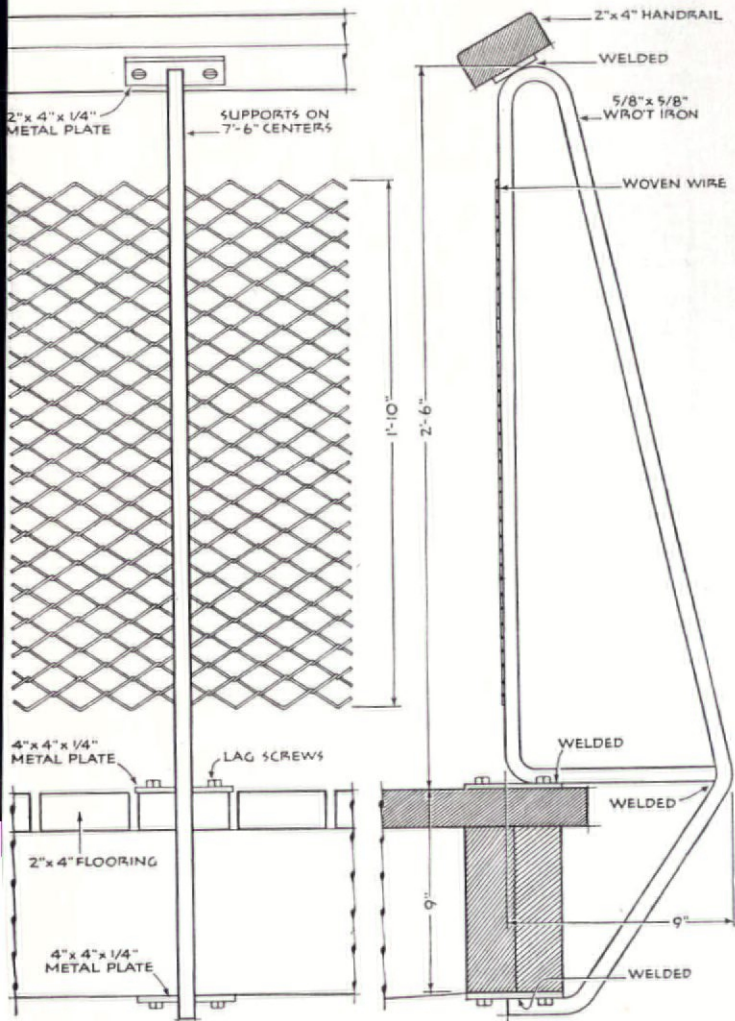


Typical Wood Framing
3/16" SCALE



WILLIAM CROSBY RESIDENCE, Greensboro, Vermont
FREDERICK S. COOLIDGE, DESIGNER

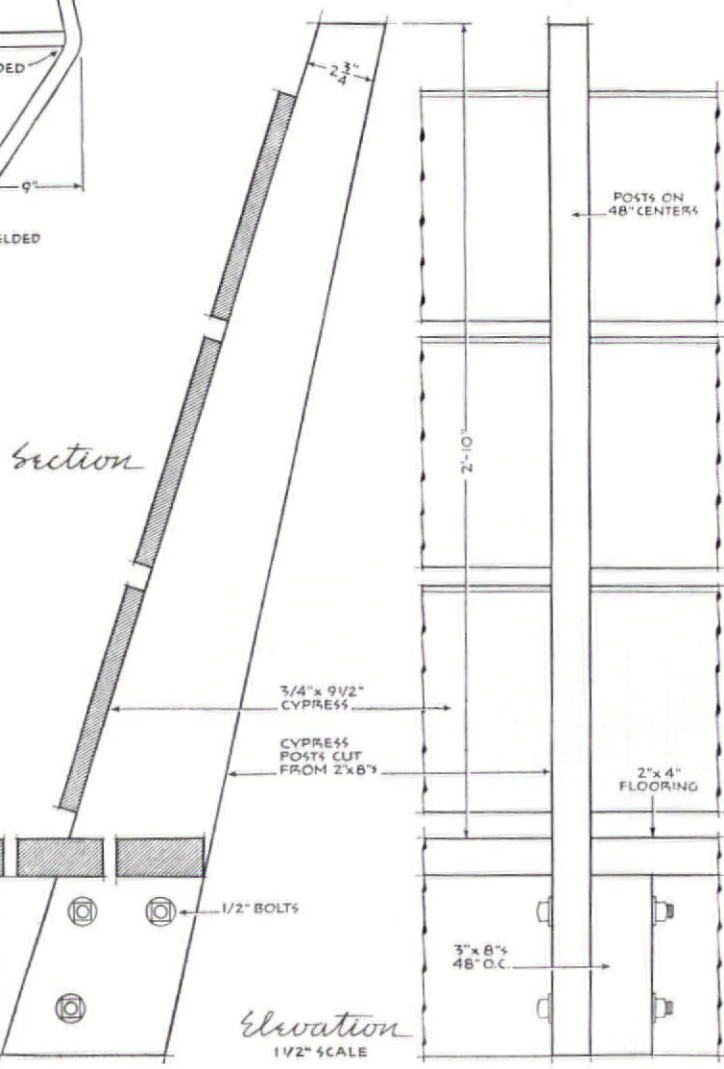
RESIDENCE: exterior railings



FREDERIC S. COOLIDGE

Elevation 1/2" SCALE

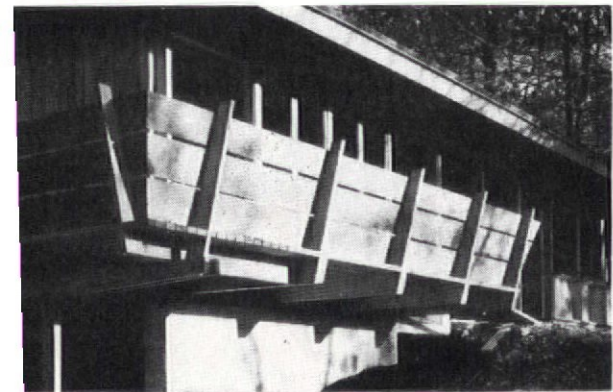
Section



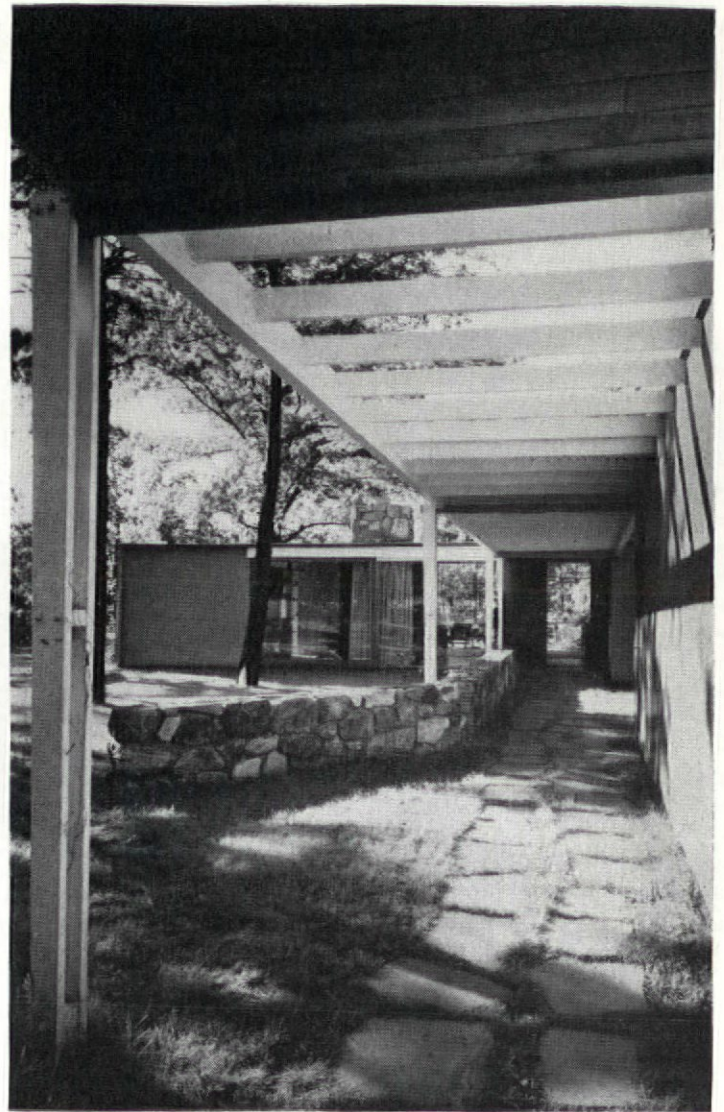
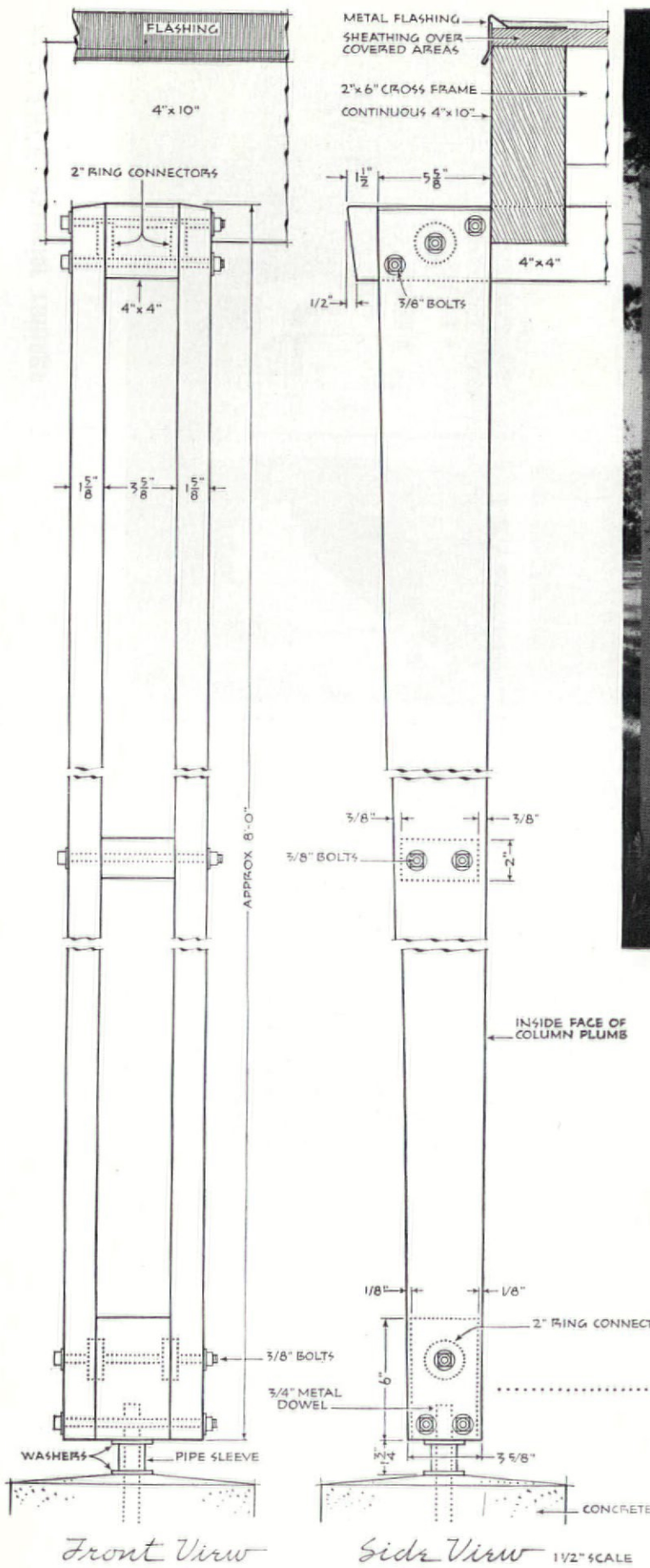
Section

Elevation 1/2" SCALE

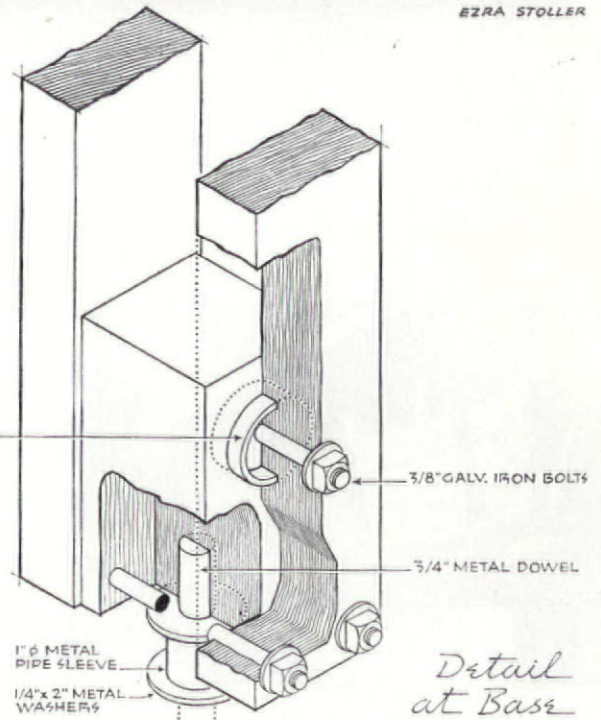
LIONEL FREEDMAN: PICTOR



JOY S. JOHNSON RESIDENCE, Ardsley, New York
JOY S. JOHNSON, ARCHITECT

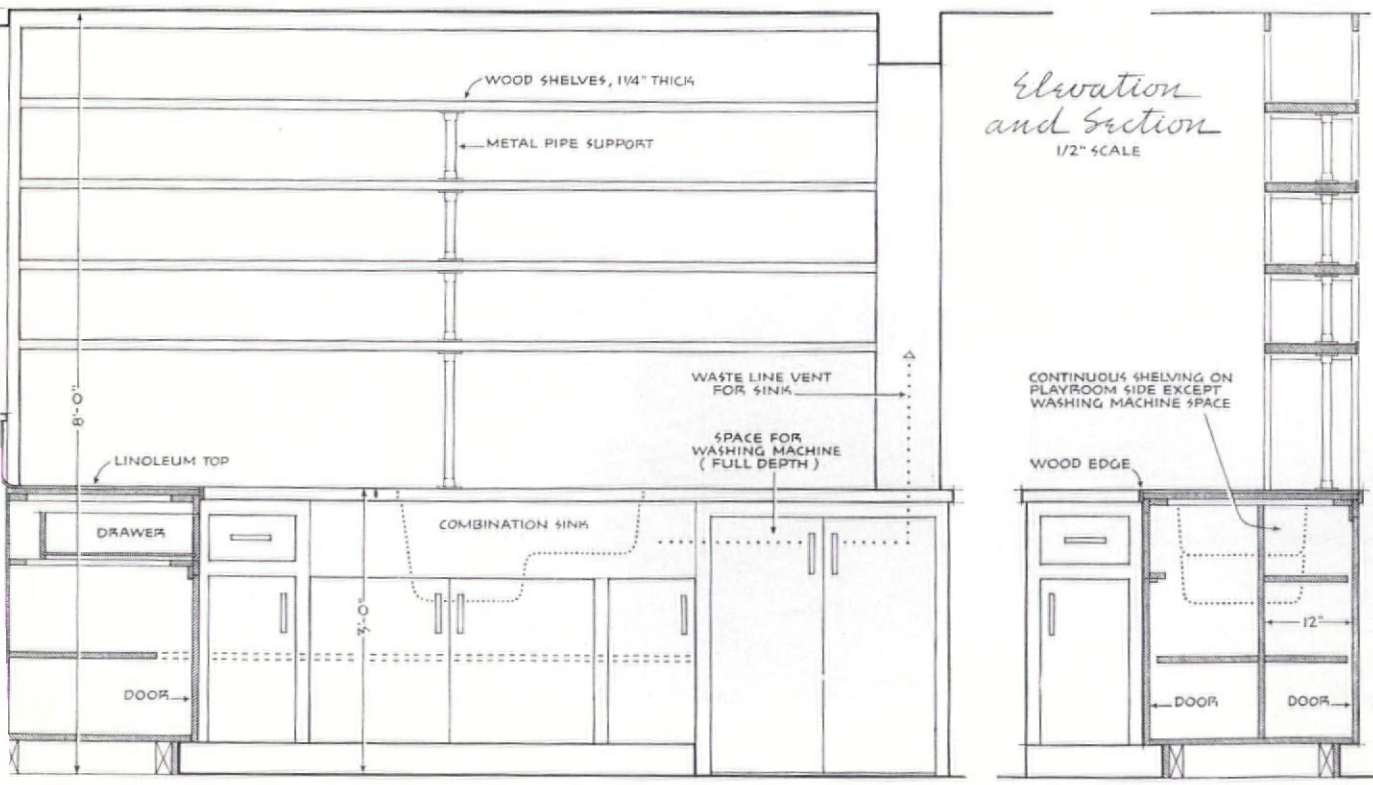


EZRA STOLLER



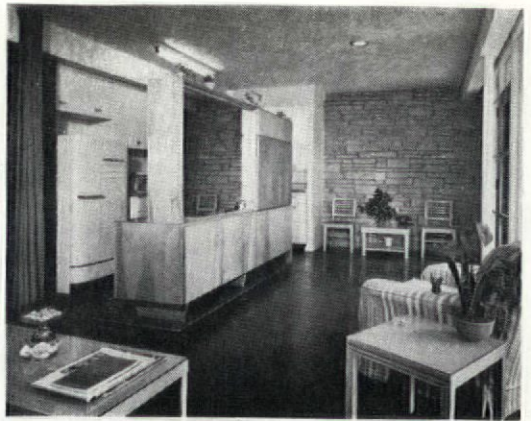
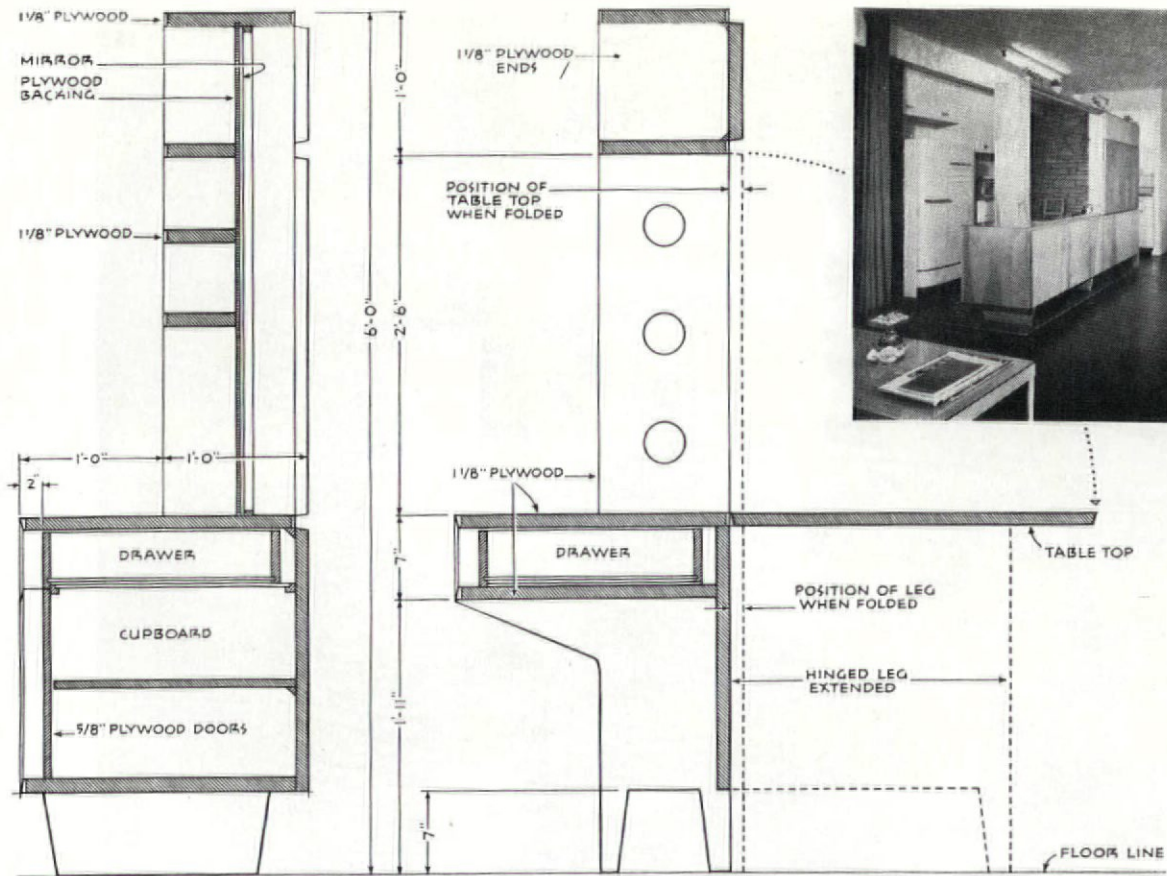


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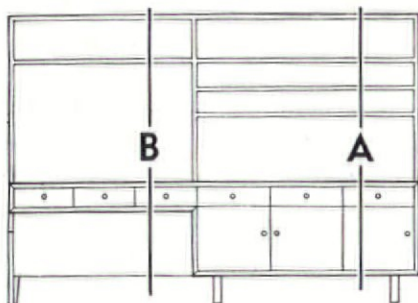
EON SVIRSKY RESIDENCE, Ossining, New York

HAMBY & NELSON ARCHITECTS 11

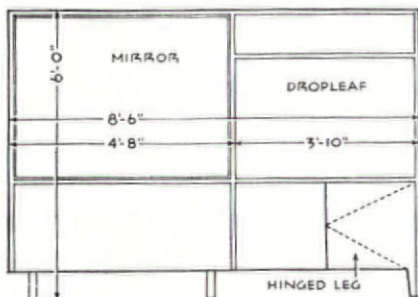


Section A 3/4" SCALE

Section B



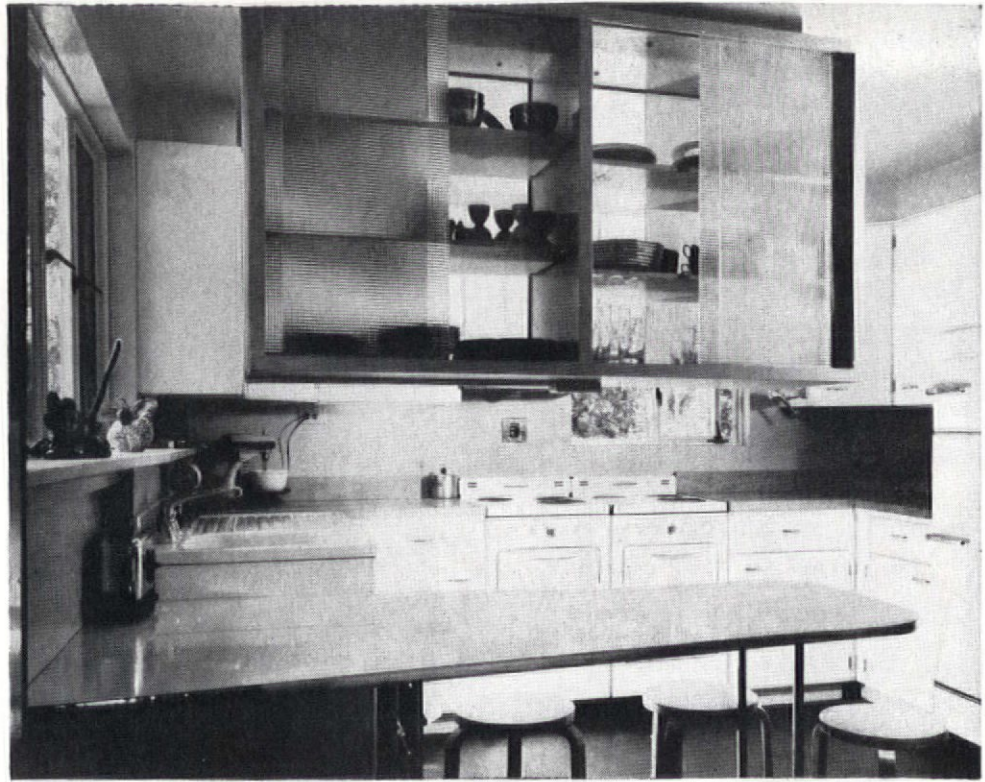
Elevation KITCHEN SIDE 1/4" SCALE



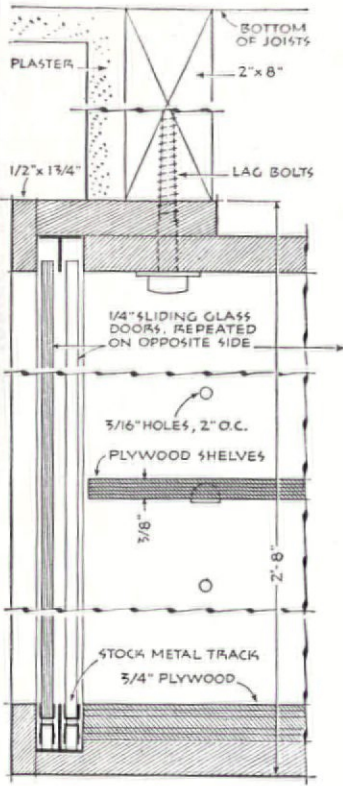
Elevation LIVING ROOM SIDE

RICHARD GARRISON PHOTOS

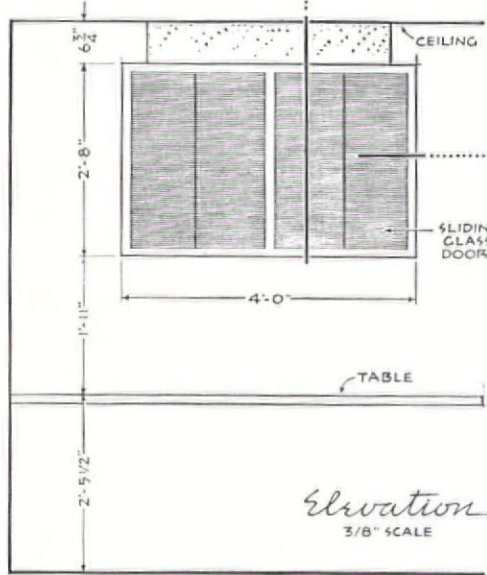




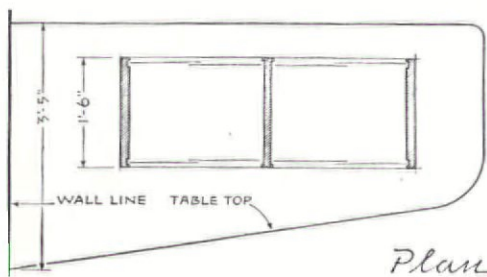
ROBERT C. LAUTMAN



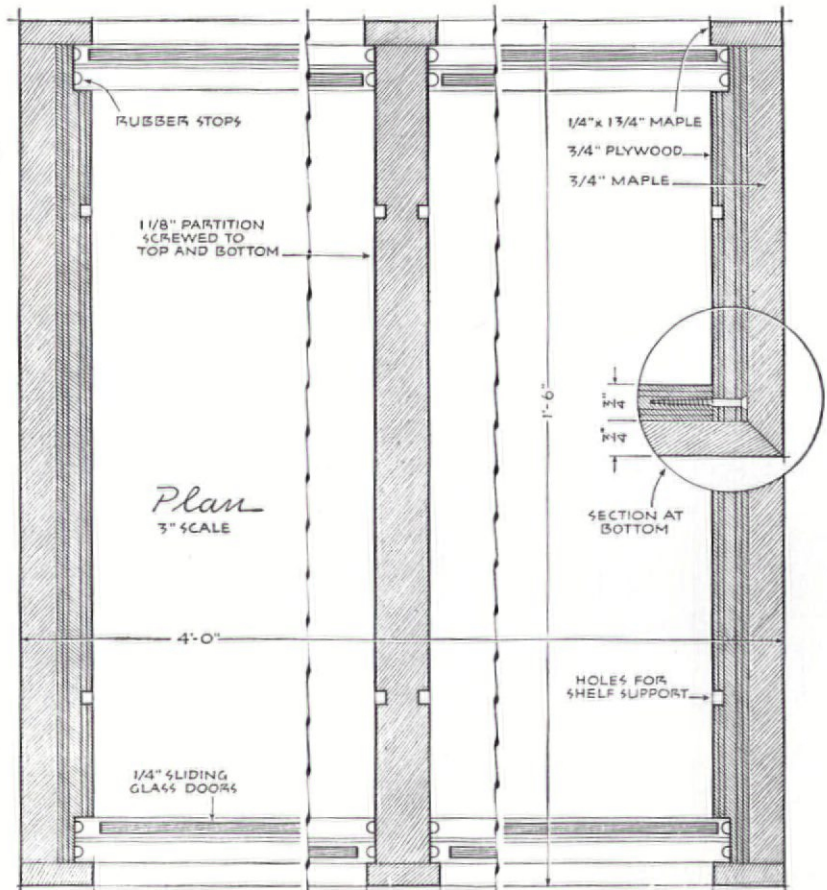
Section
3" SCALE



Elevation
3/8" SCALE



Plan



Plan
3" SCALE

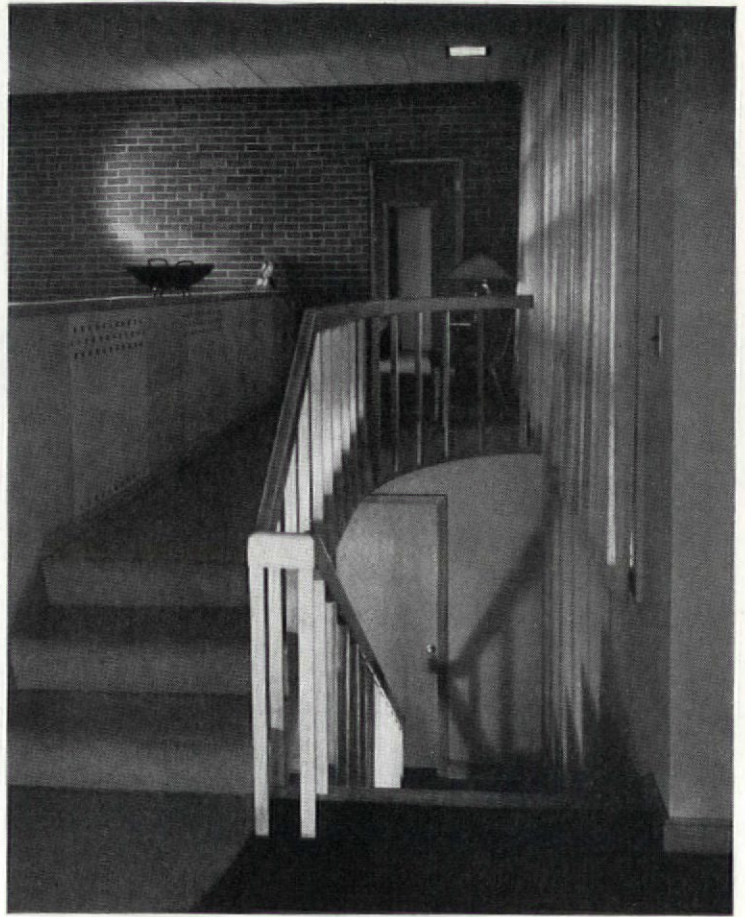
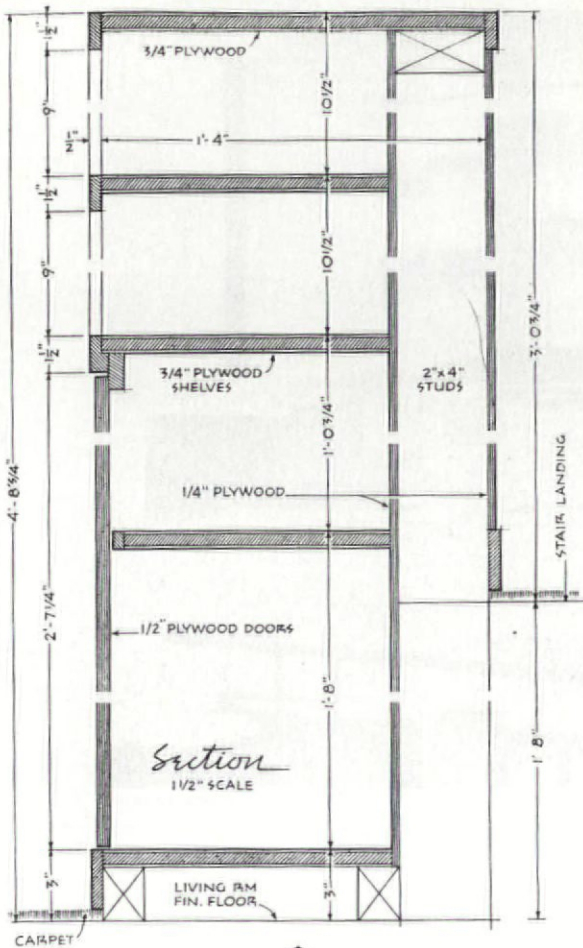
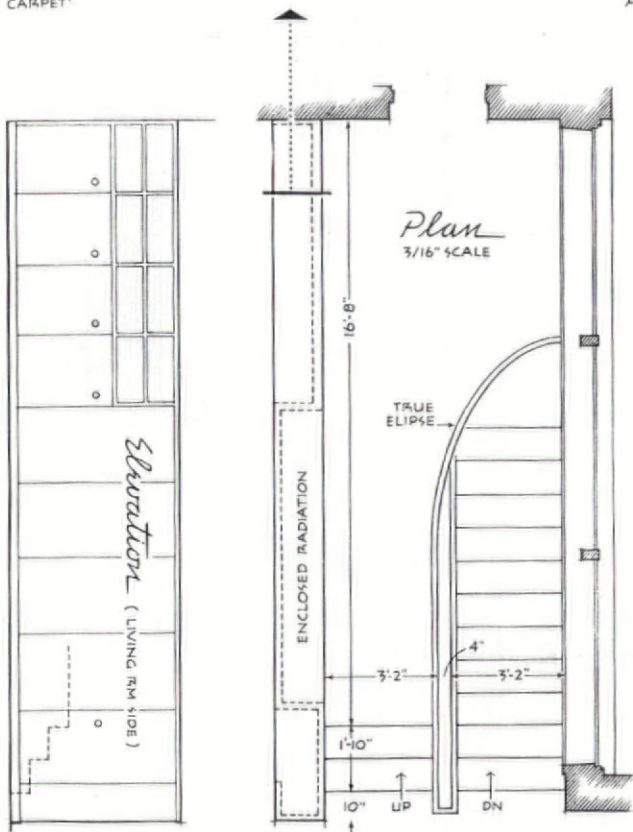
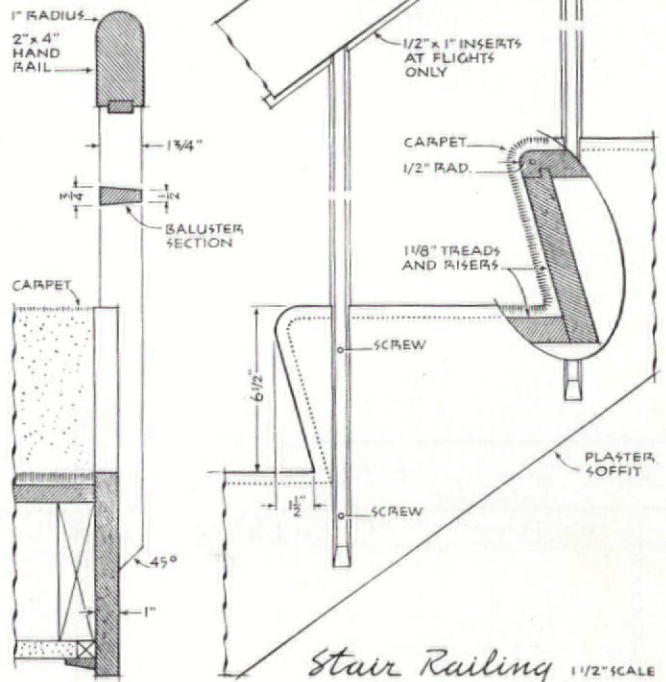


Photo - W. F. Howland

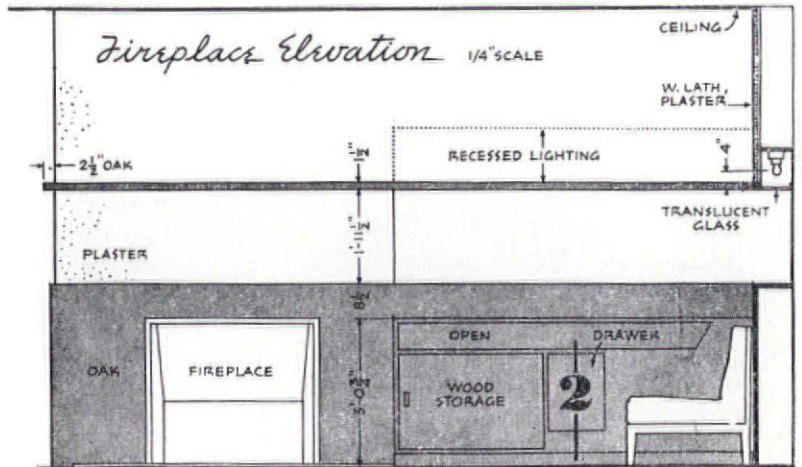
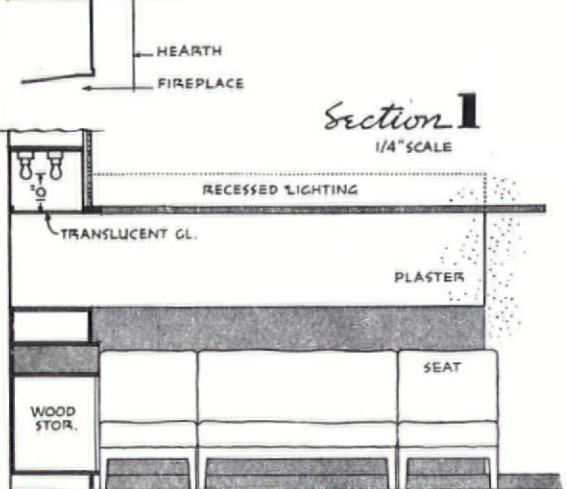
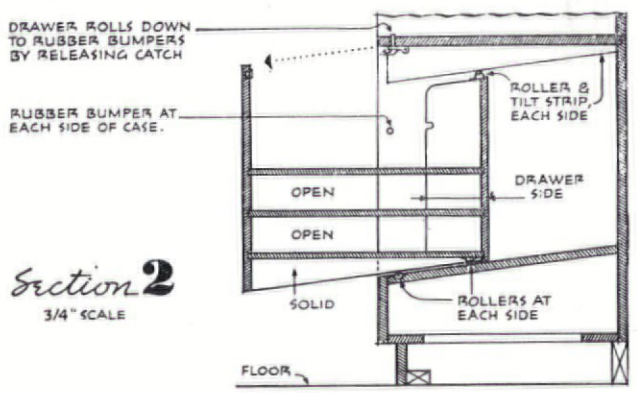
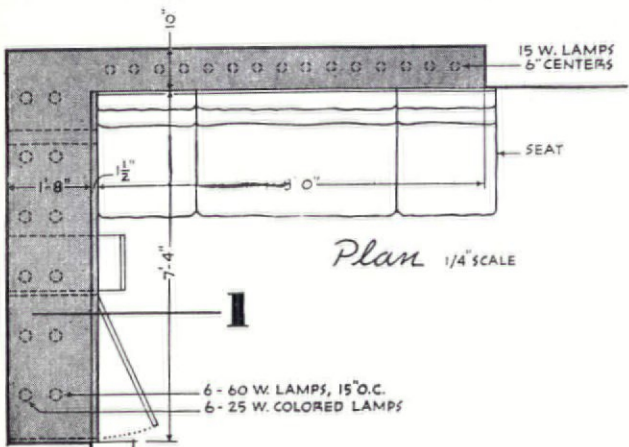


Section



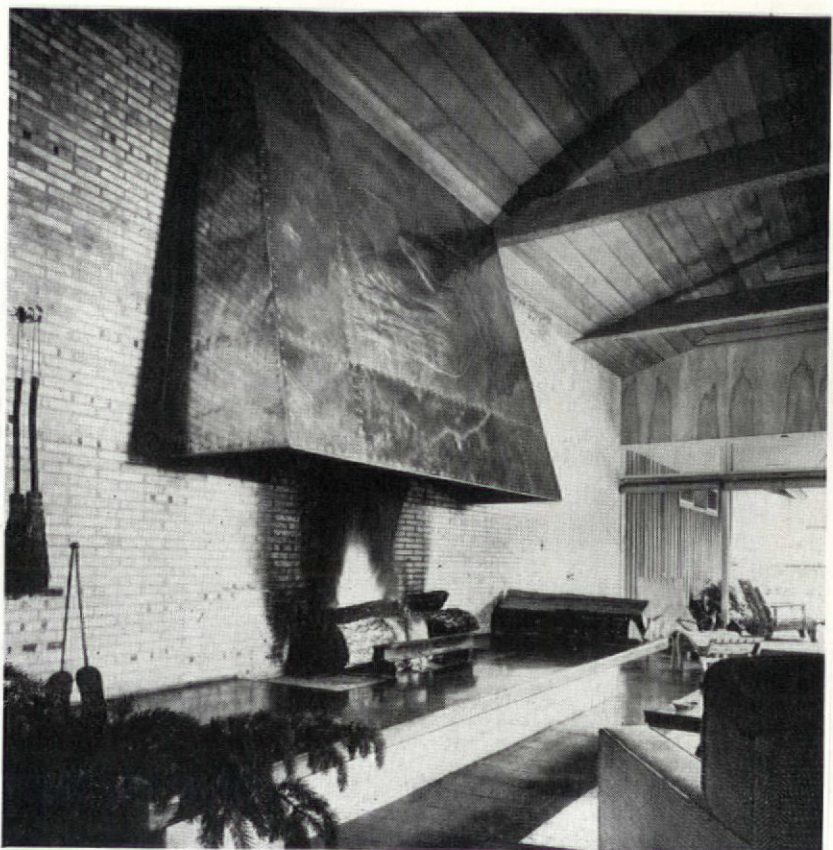
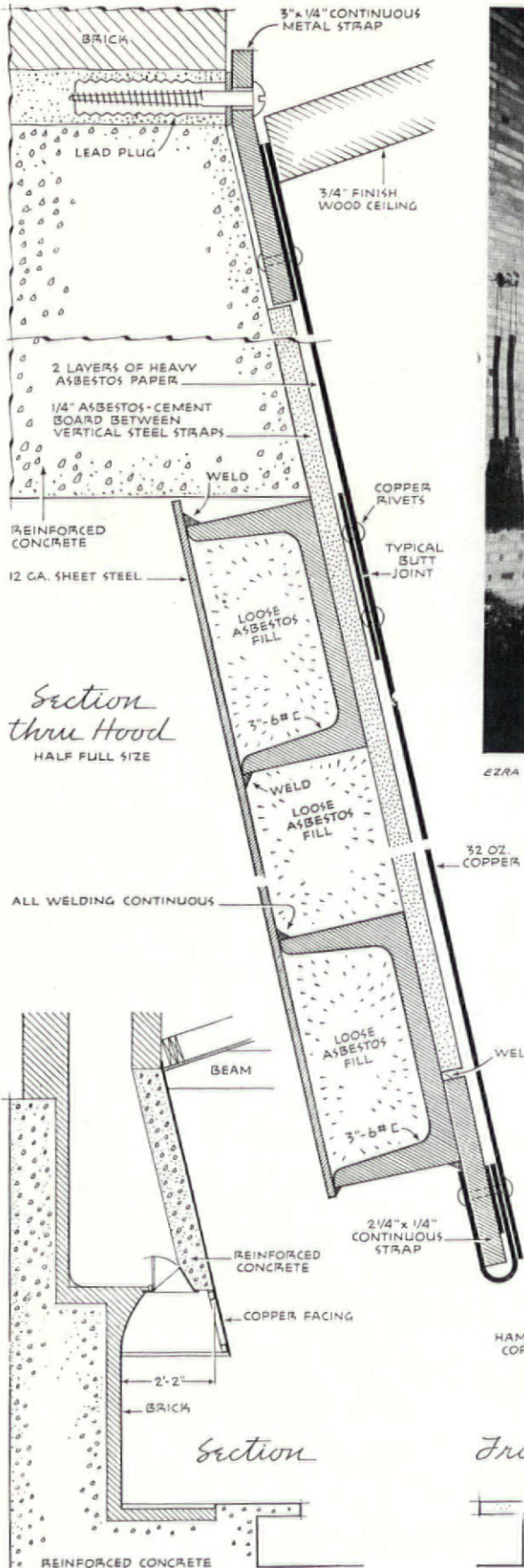
Stair Railing 1/2" SCALE

100% STAIRS, BALUSTERS AND STAIRS

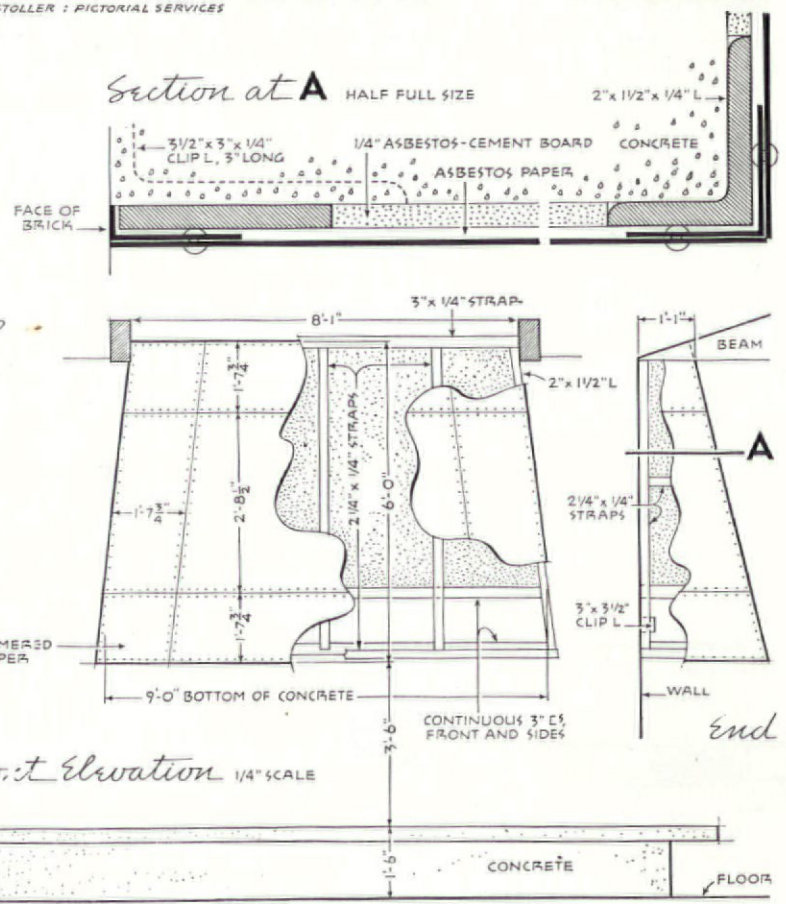


BUILT-IN FURNITURE

RESIDENCE near Chicago, Ill.



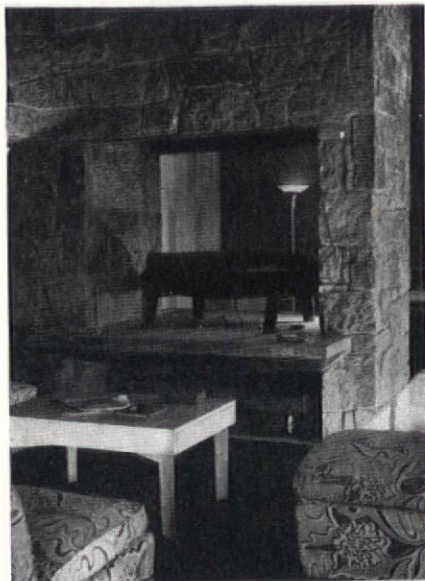
EZRA STOLLER : PICTORIAL SERVICES



MENEFEE RESIDENCE
Yamhill, Oregon

PIETRO BELLUSCHI
Architect

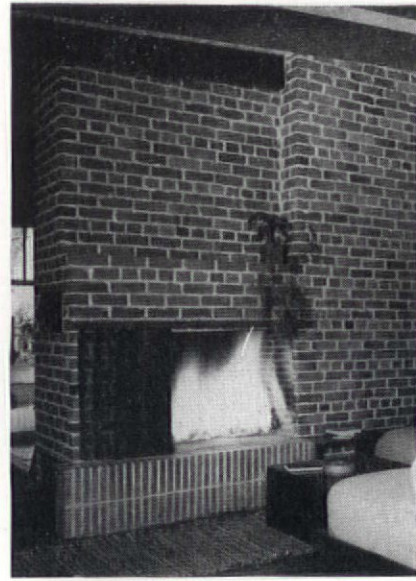
Handwritten scribble



N. Y. TIMES

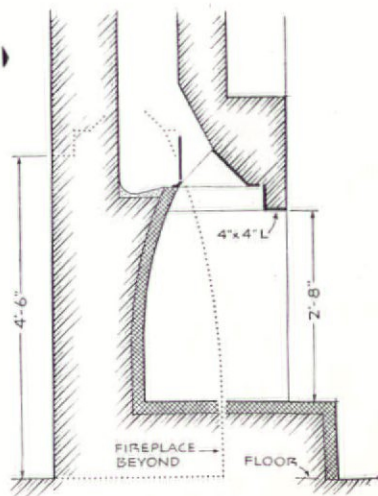
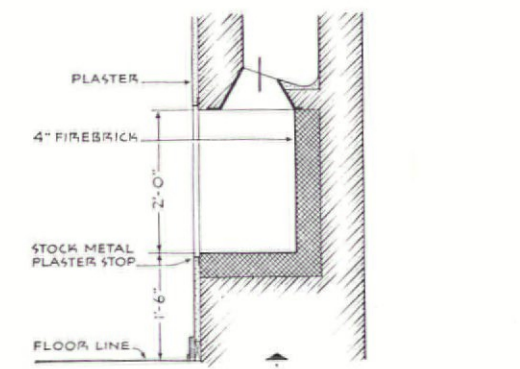
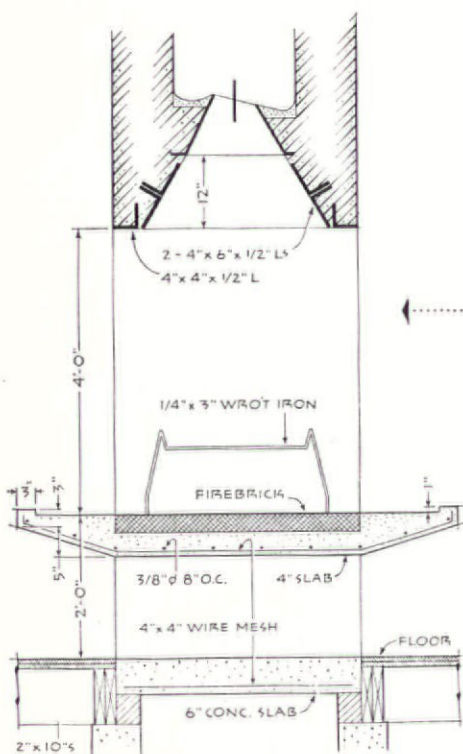
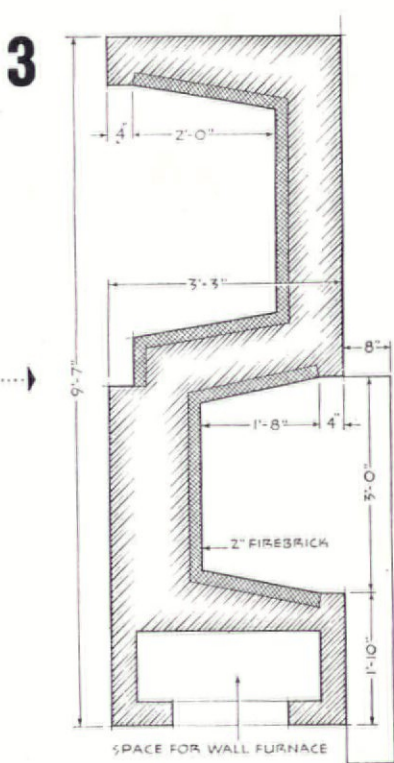
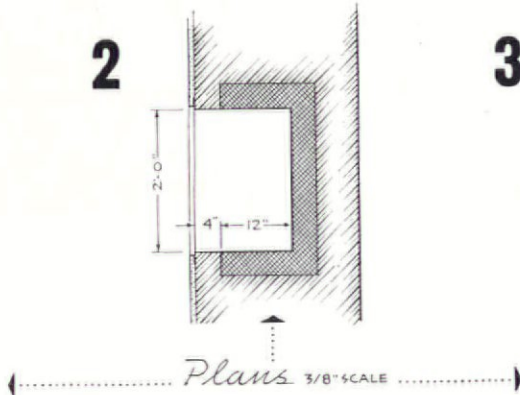
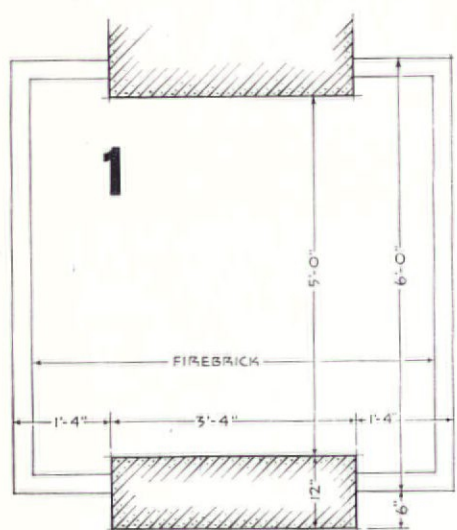


PICTORIAL SERVICES



JULIUS SHULMAN

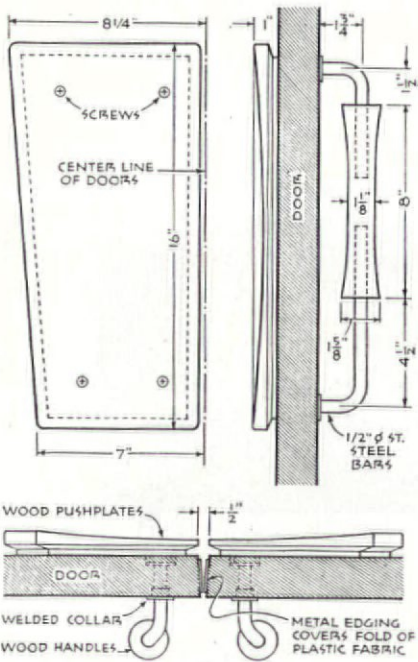
RESIDENCE: fireplaces



- 1** APFEL RESIDENCE, Harrison, N. Y.
CALEB HORNPOSTEL, ARCHITECT
- 2** GRANT RESIDENCE, East River, Conn.
EDWARD D. STONE, ARCHITECT
- 3** NESBITT RESIDENCE, Brentwood, Calif.
RICHARD J. NEUTRA, ARCHITECT

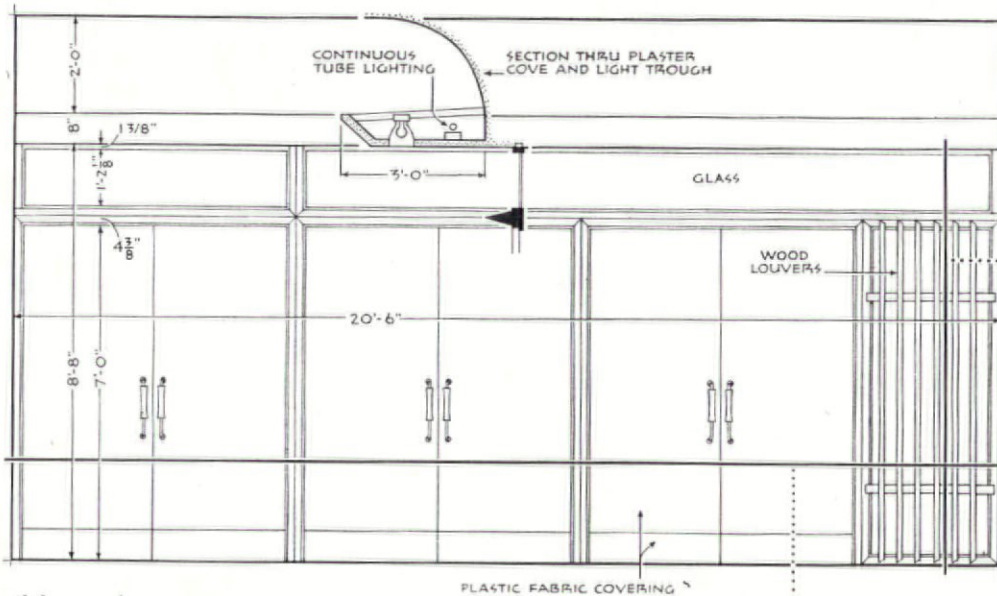
Doorhandles-Pushplates

1/2" SCALE

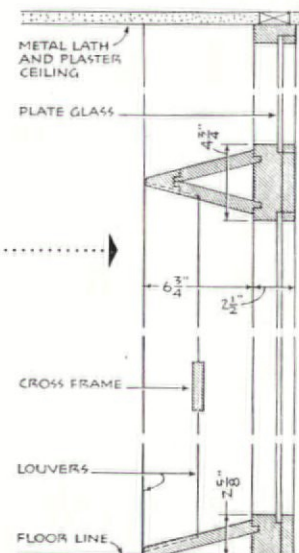


PHOTOGRAPHY, INC.

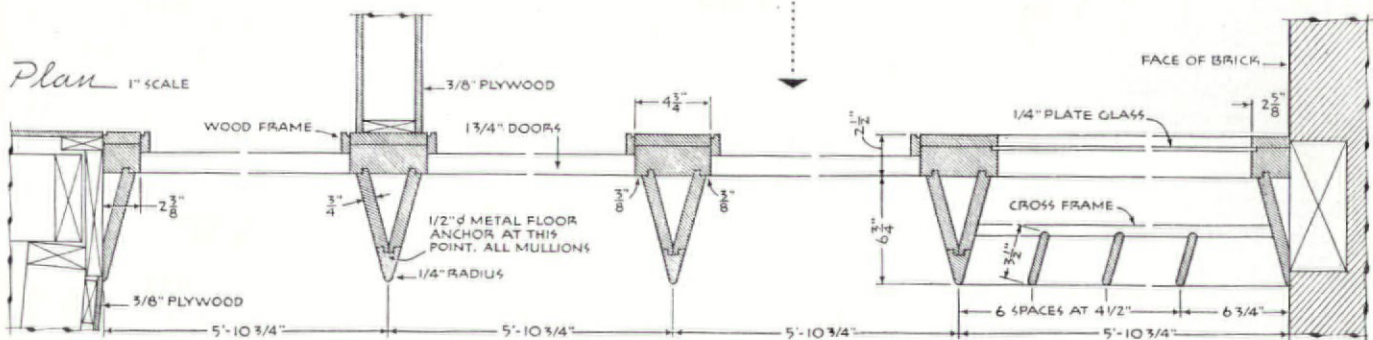
UNIVERSITY: entrance doors to auditorium



Elevation 1/4" SCALE

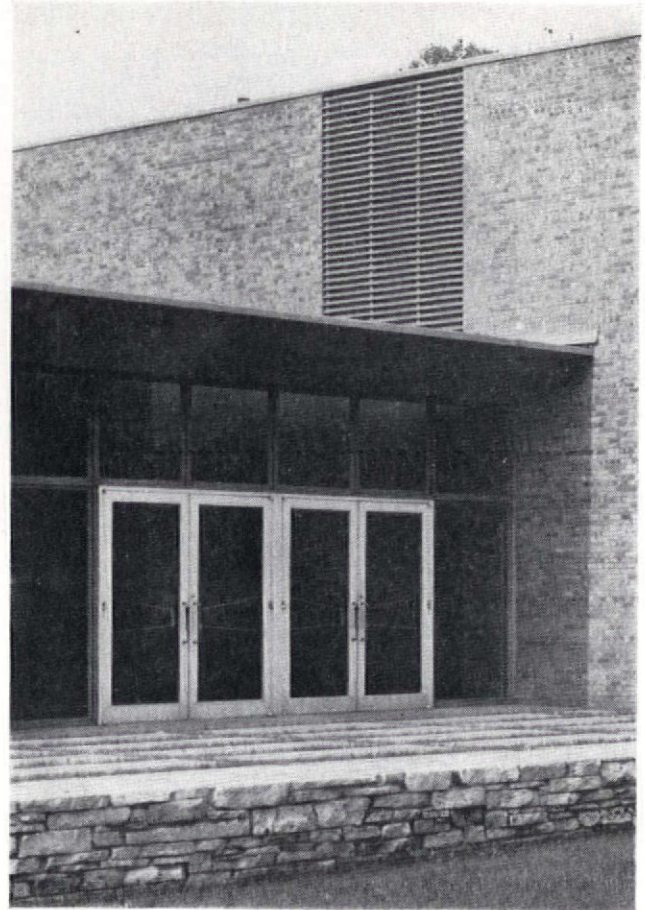
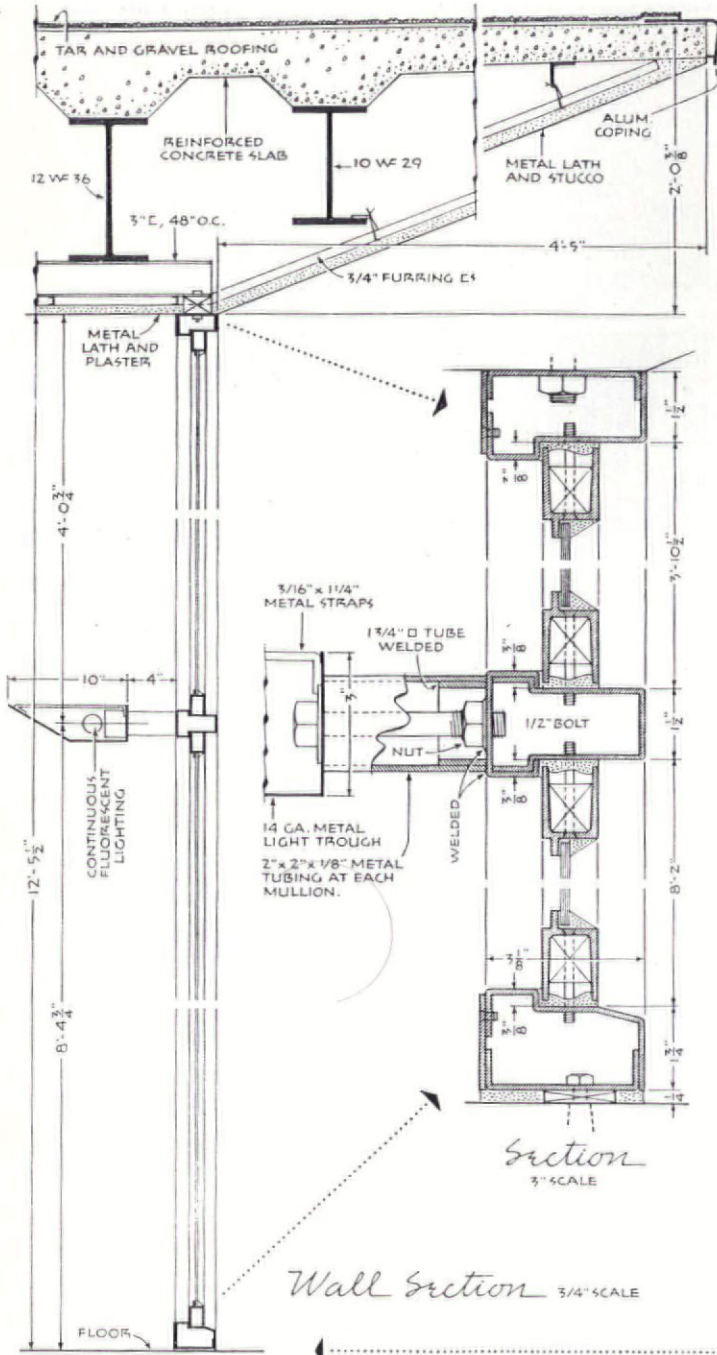


Section 1" SCALE

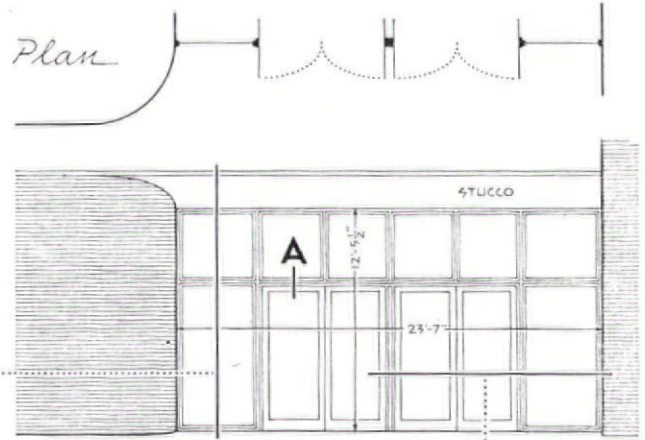


Drake University Science Building
Des Moines, Iowa

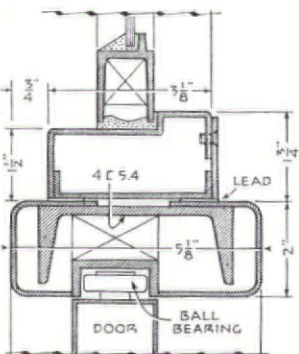
Saarinen, Swanson & Saarinen, Architects
Brooks-Borg, Associate Architects



PHOTOGRAPHY INC.

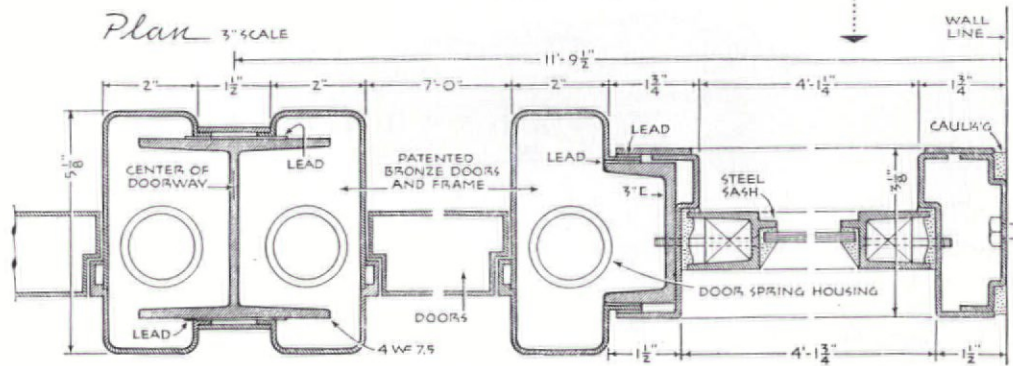


Section A 3/4" SCALE

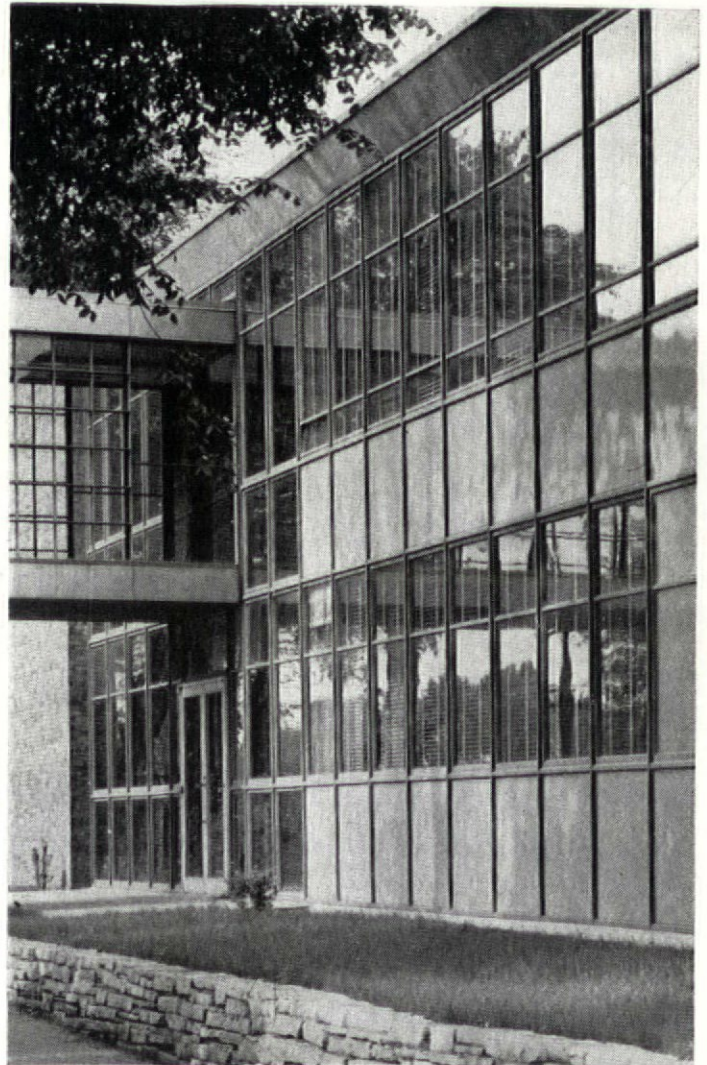
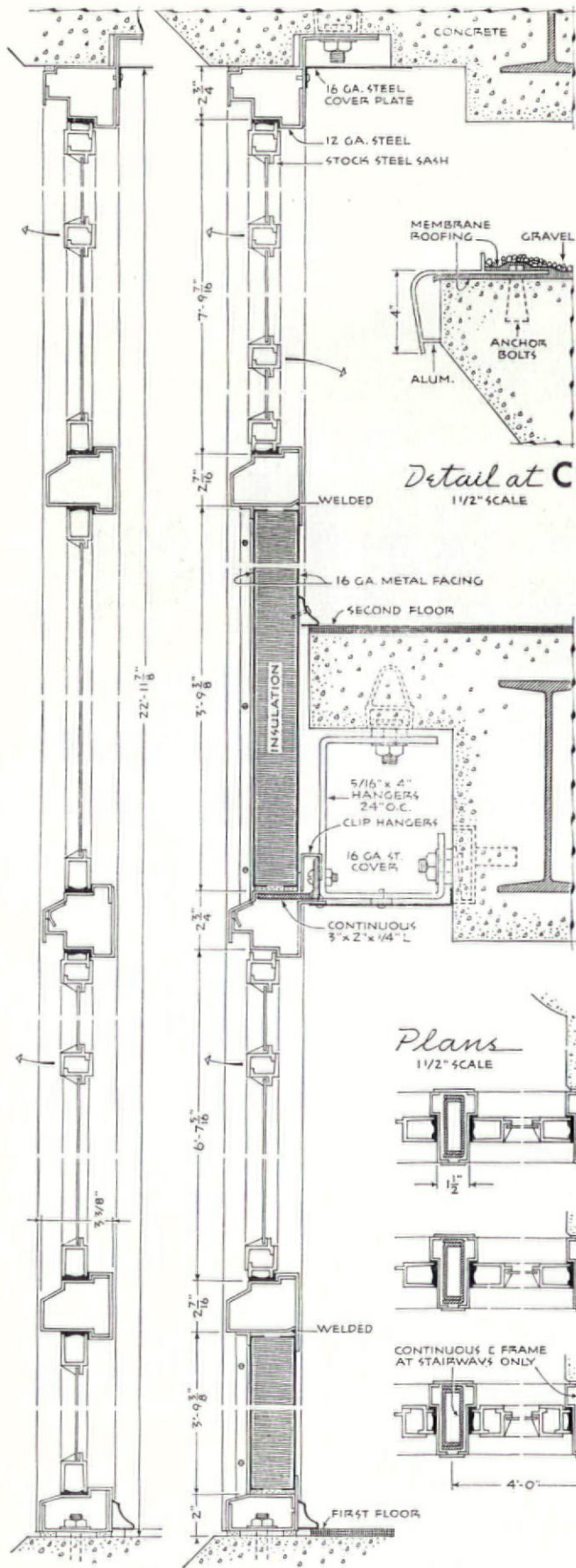


Elevation 3/32" SCALE

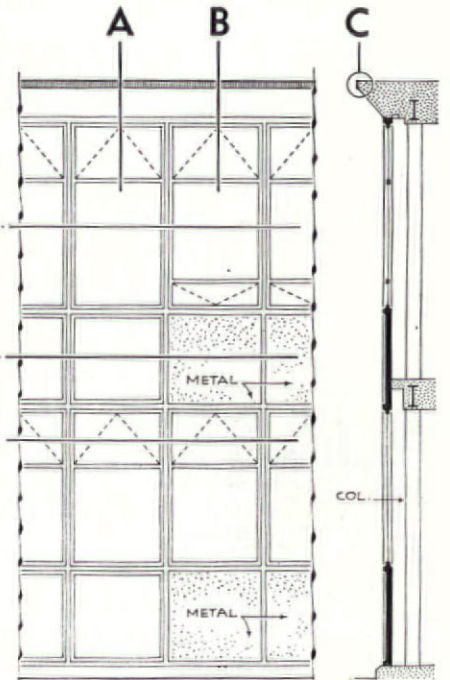
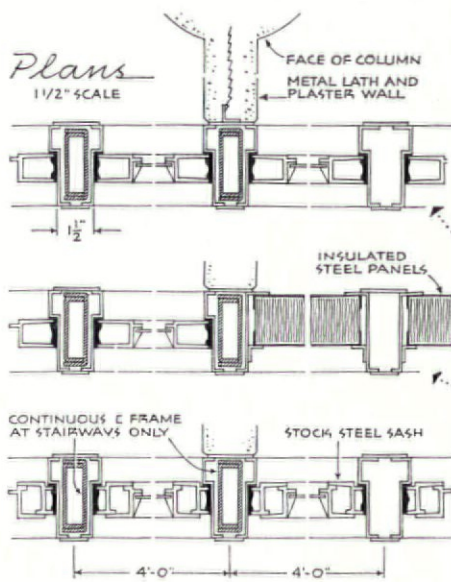
Plan 3/4" SCALE



UNIVERSITY: glass curtain wall

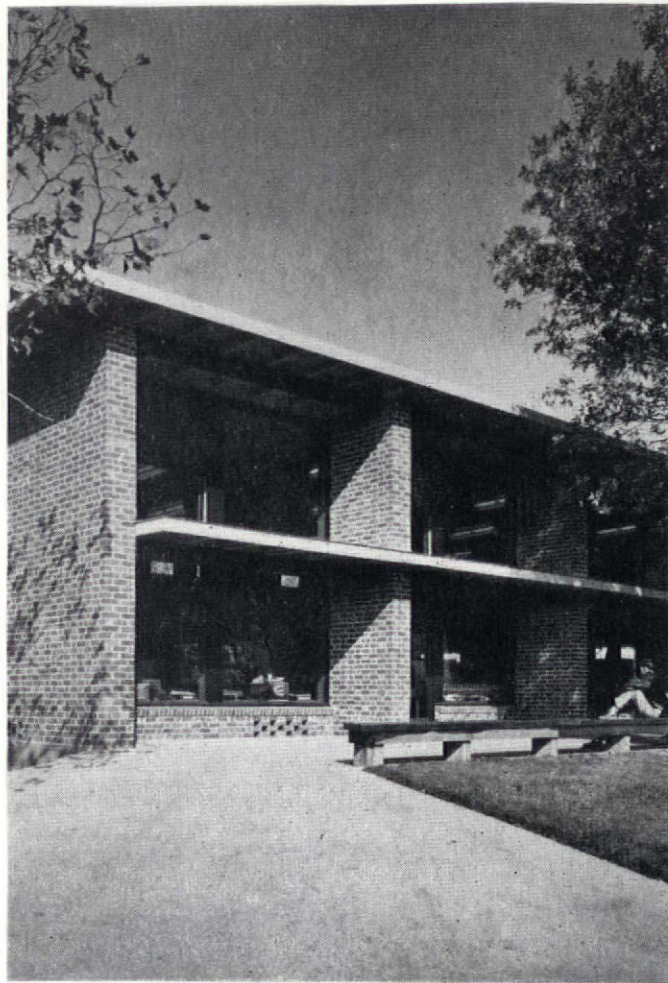
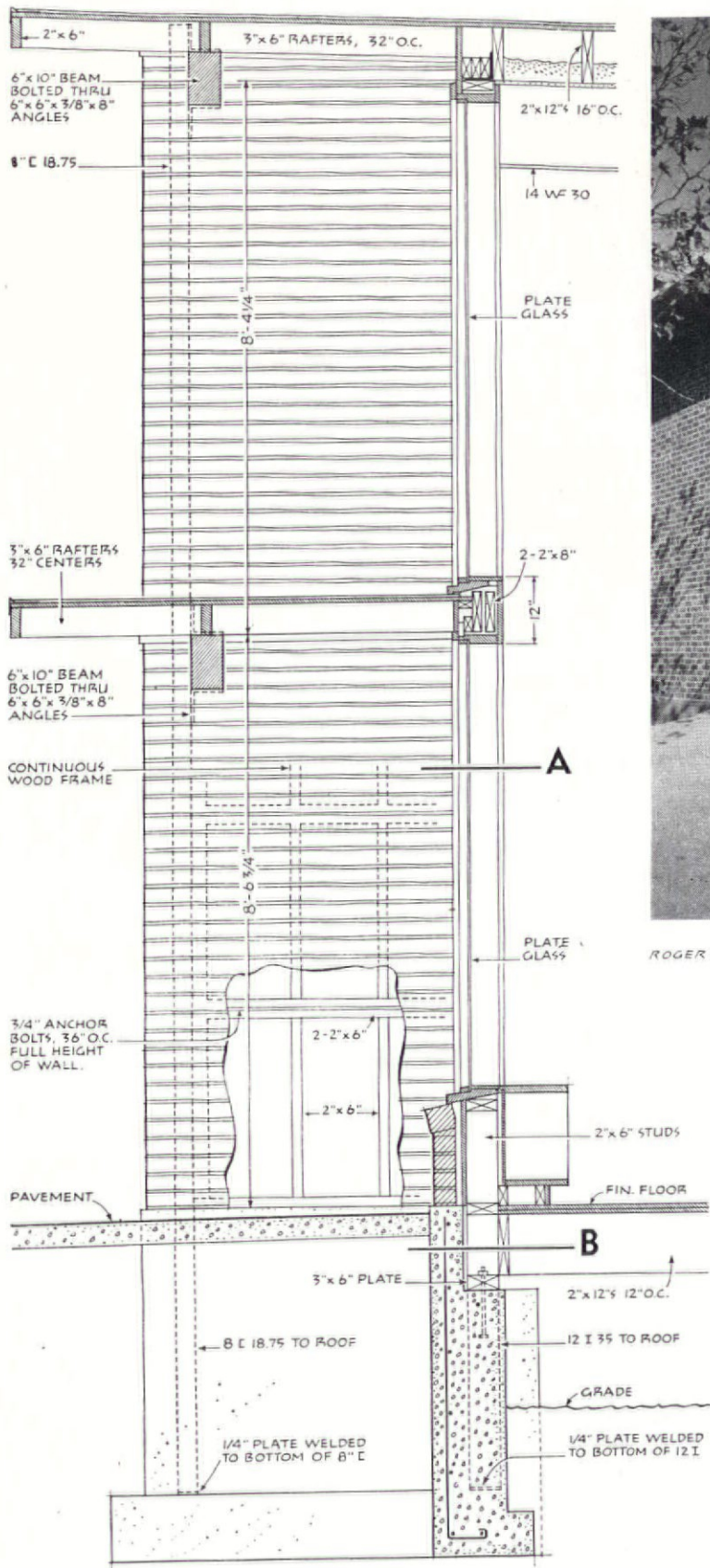


PHOTOGRAPHY INC.

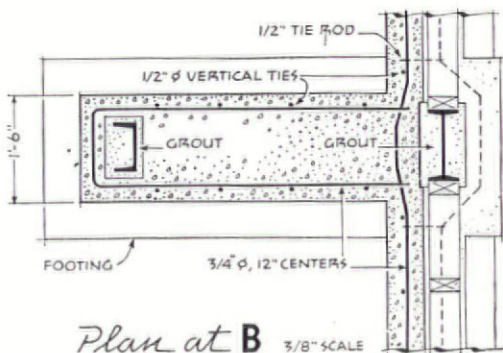
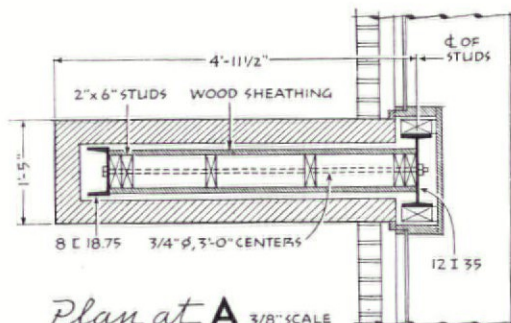


Section A Section B 1/2" SCALE

Elevation and Section 1/8" SCALE

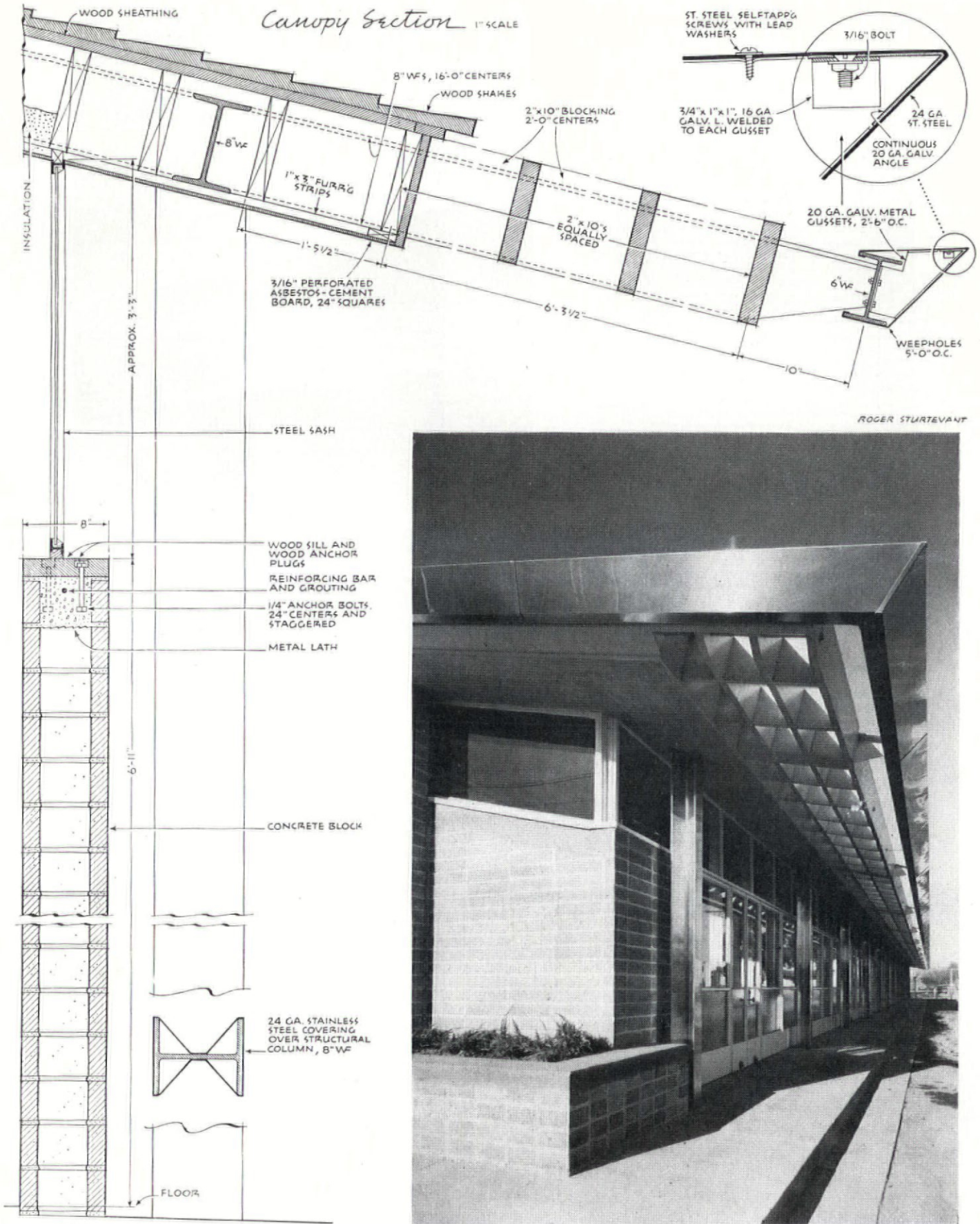


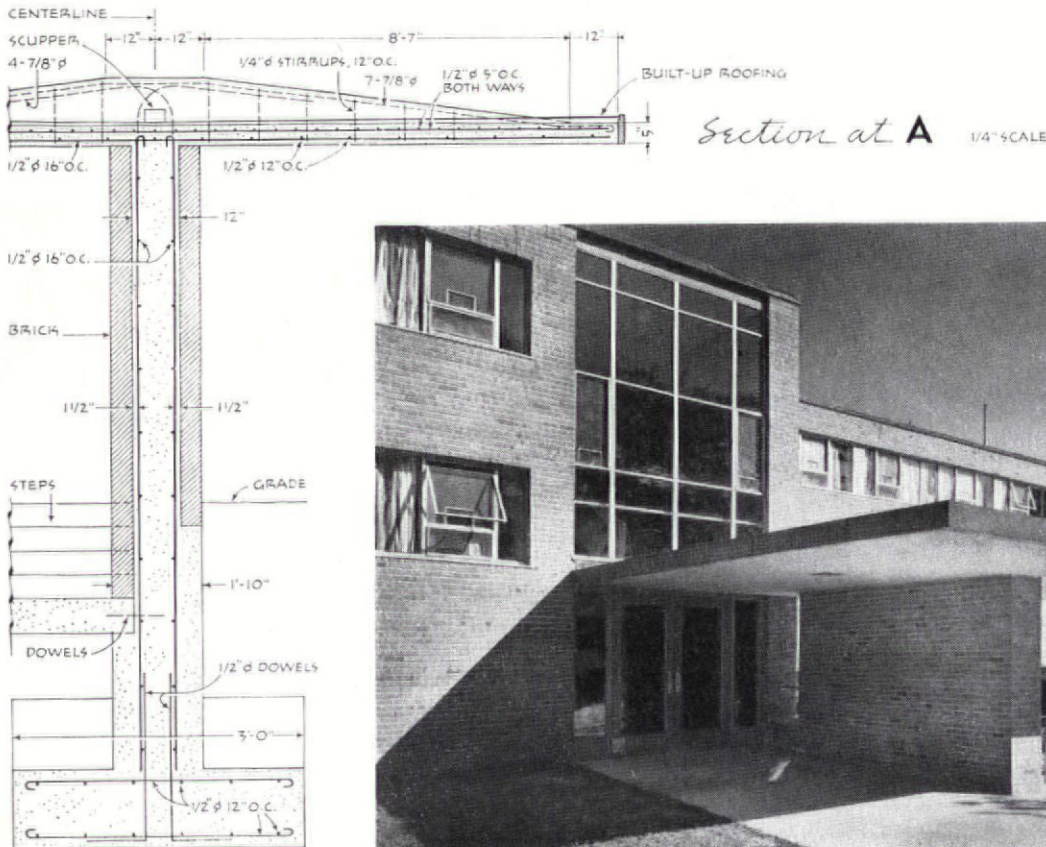
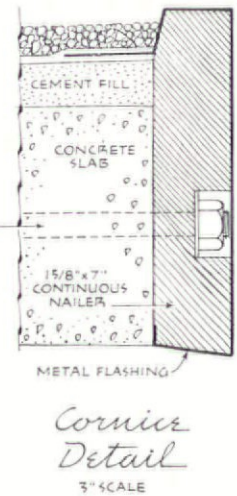
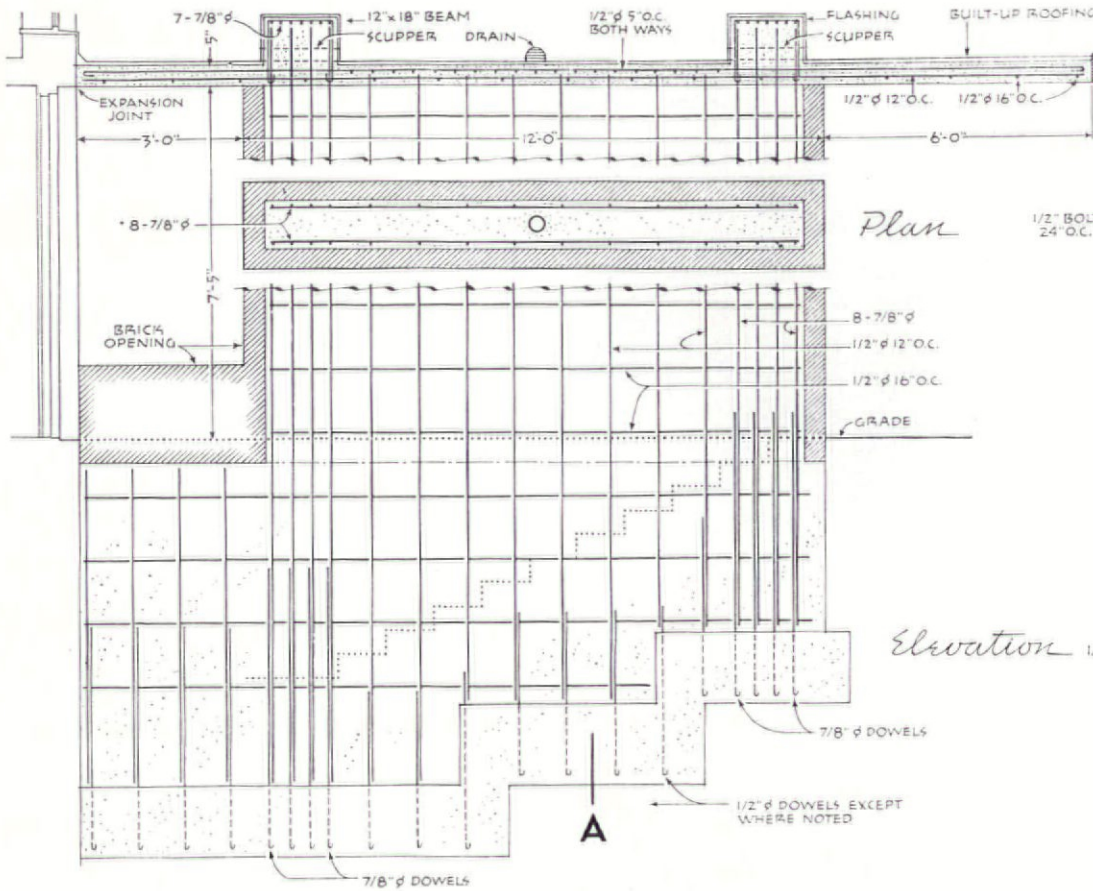
ROGER STURTEVANT



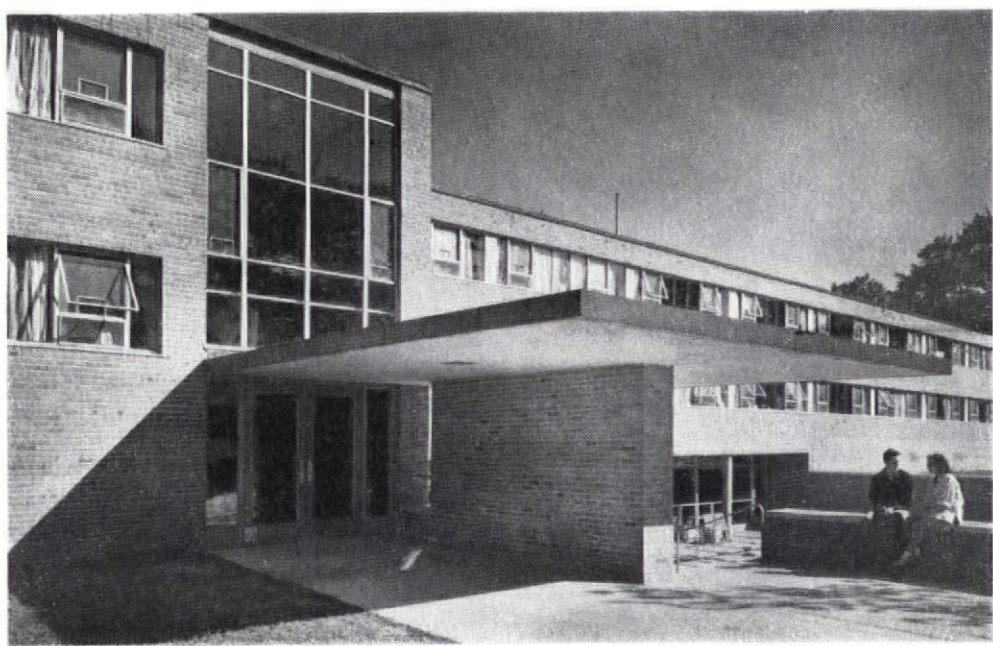
Section thru Window Wall 3/8" SCALE

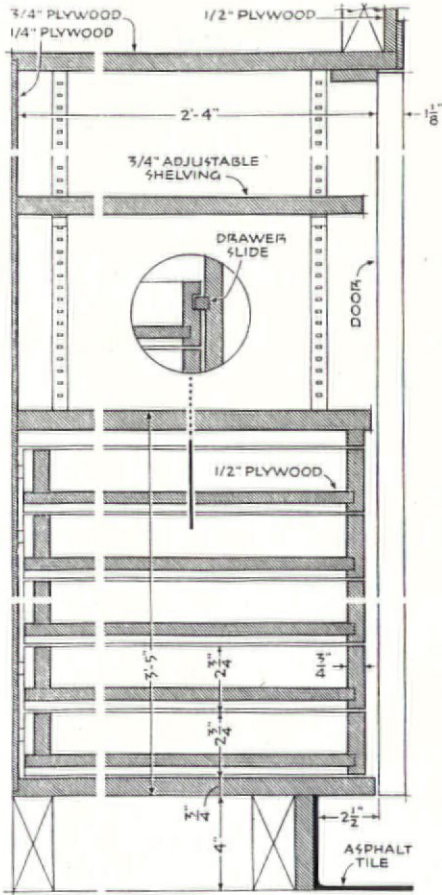
Plan at B 3/8" SCALE



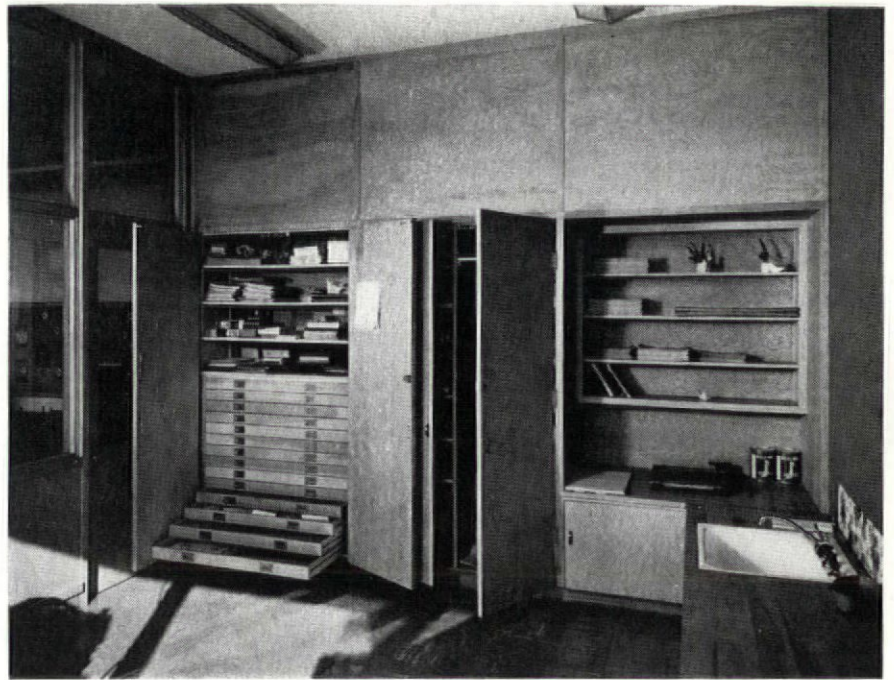


DEARBORN-MASSAR

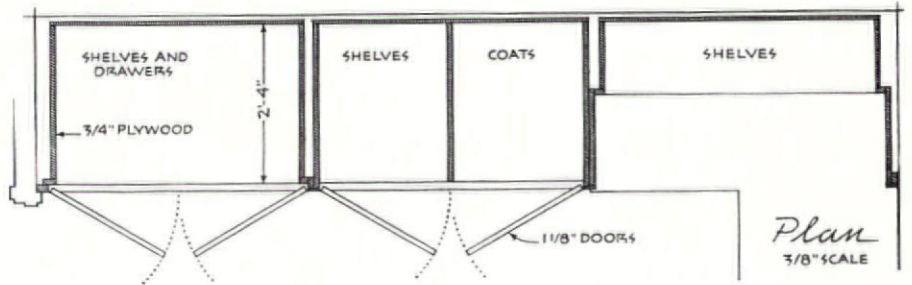




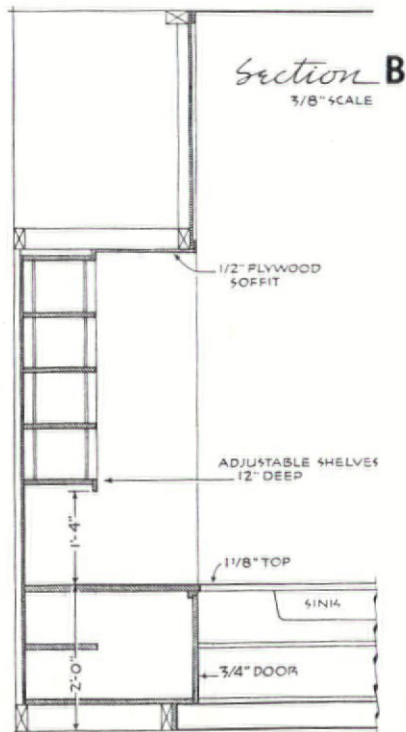
Section A 1/2" SCALE



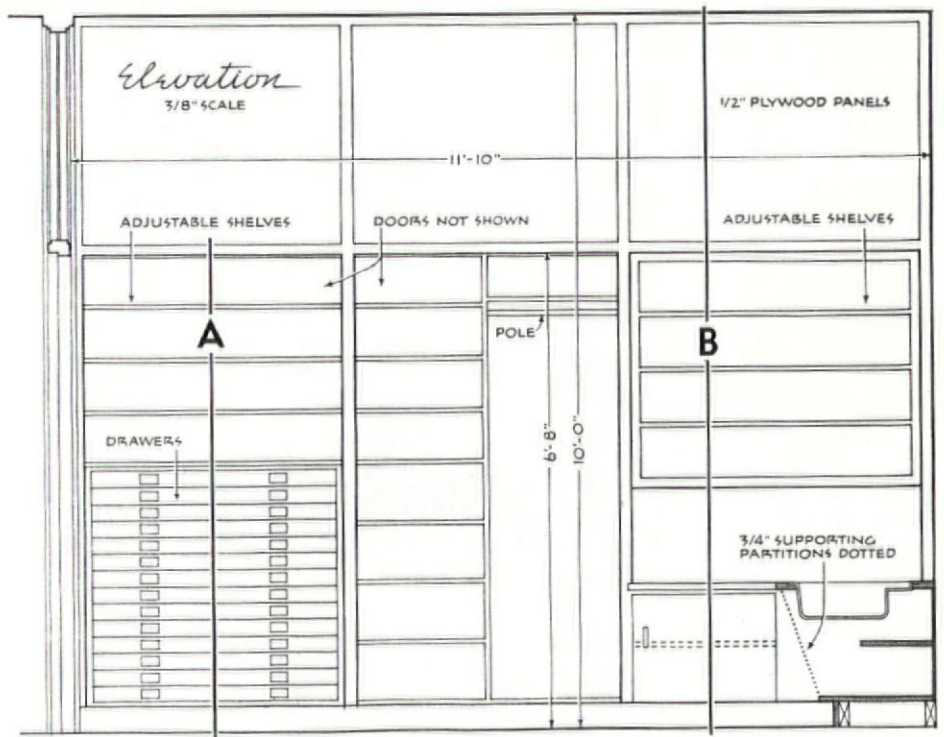
HEDRICH - BLESSING



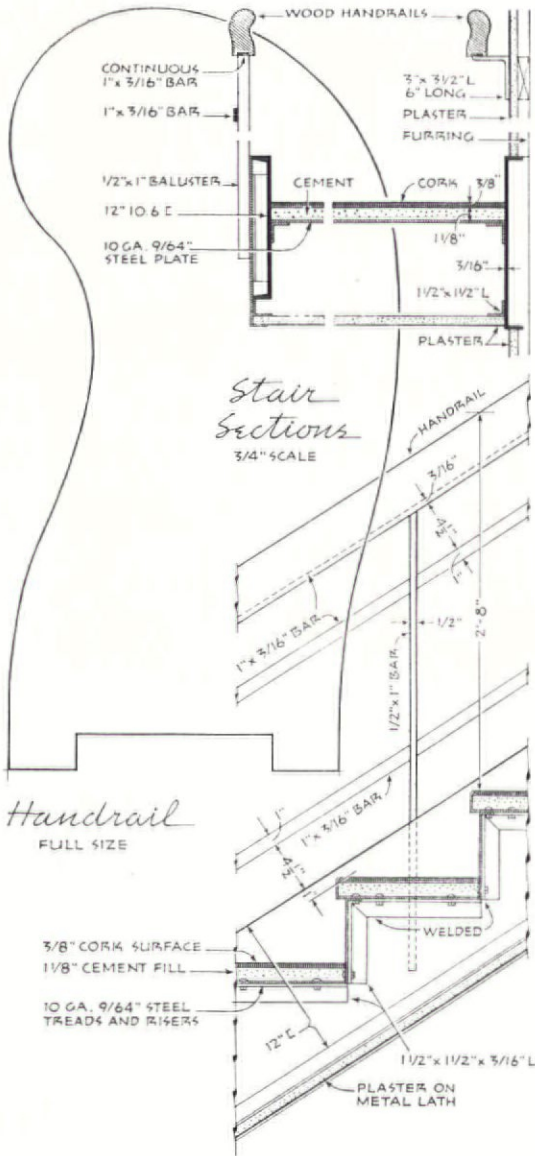
Plan 3/8" SCALE



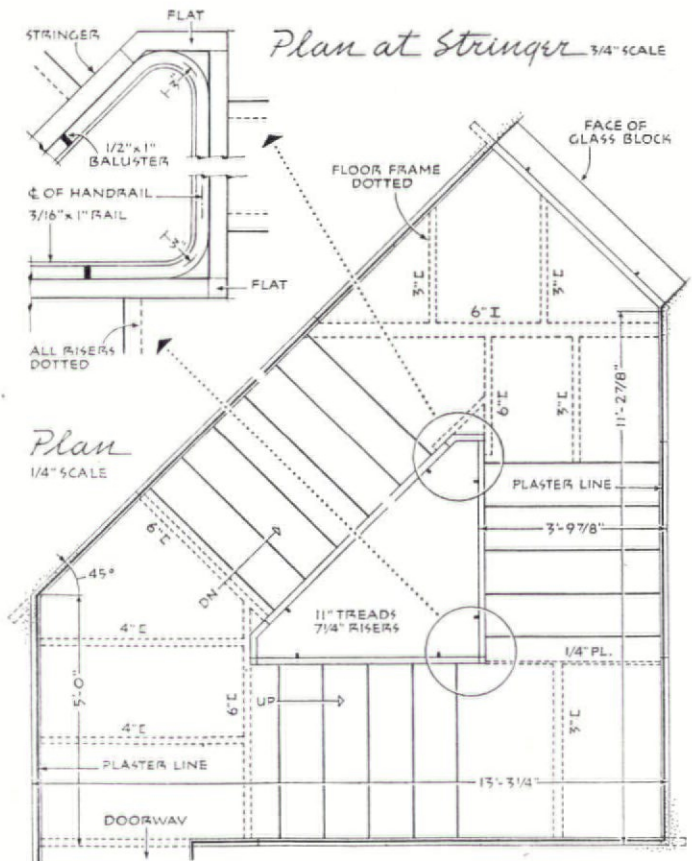
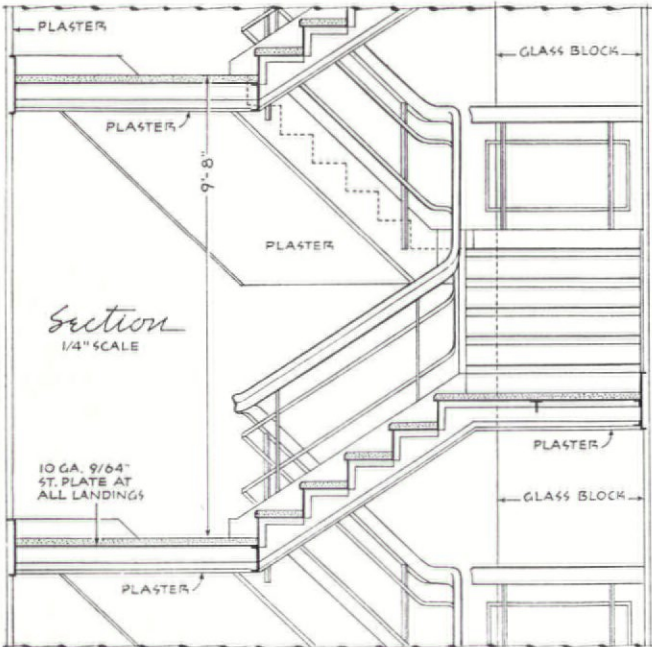
Section B 3/8" SCALE

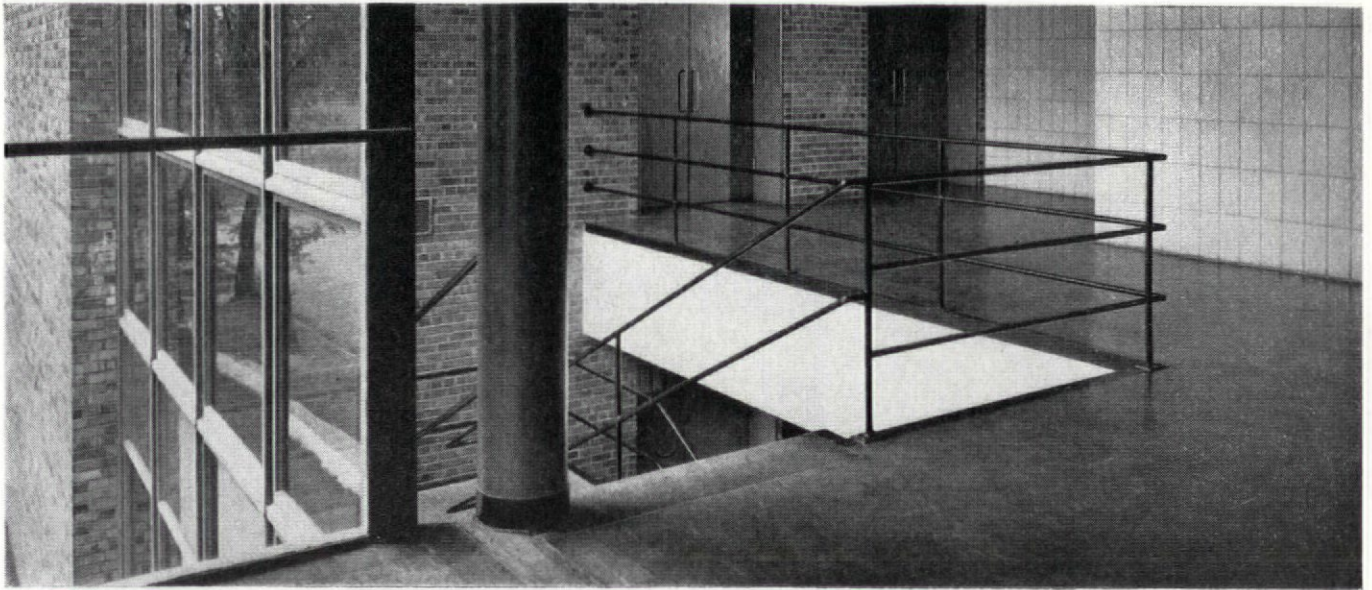


Elevation 3/8" SCALE

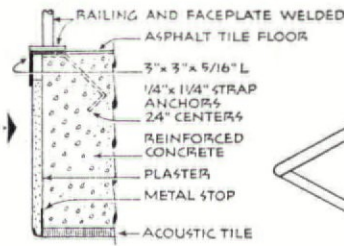
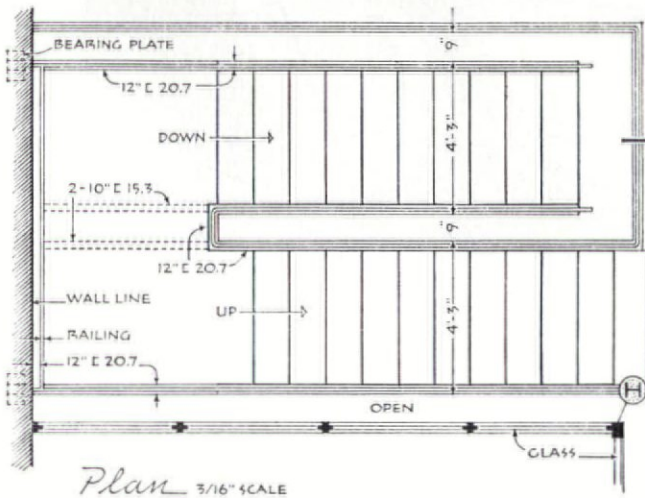


EZRA STOLLER: PICTOR

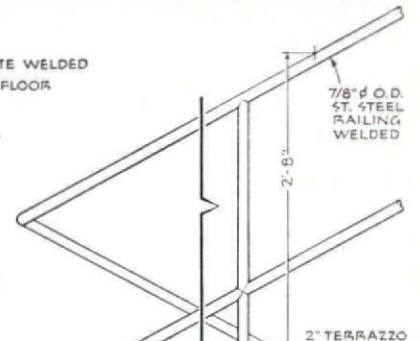




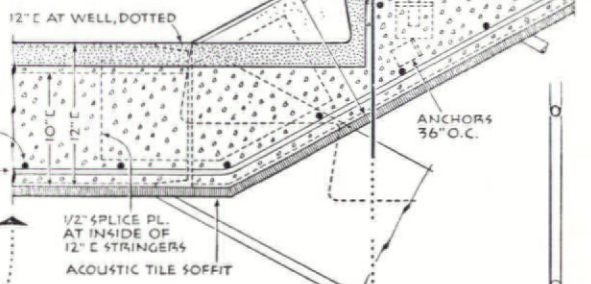
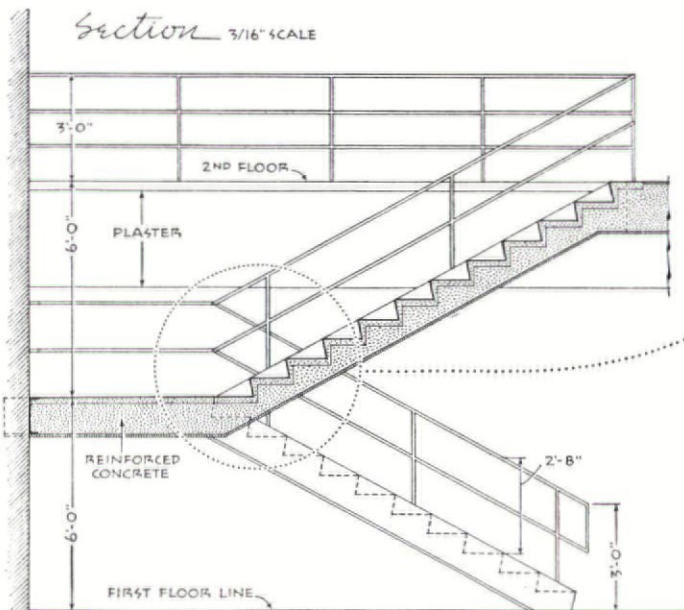
PHOTOGRAPHY, INC.



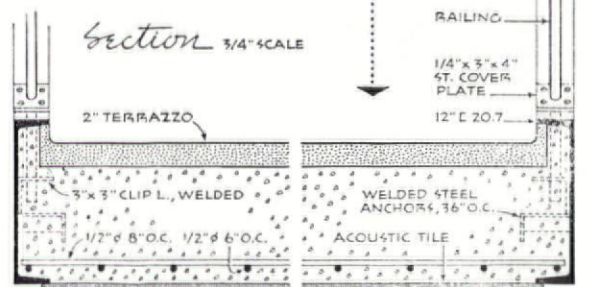
Section 3/4" SCALE

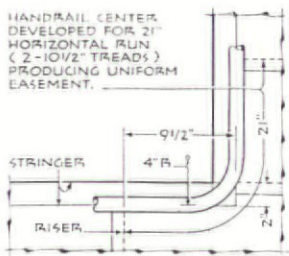
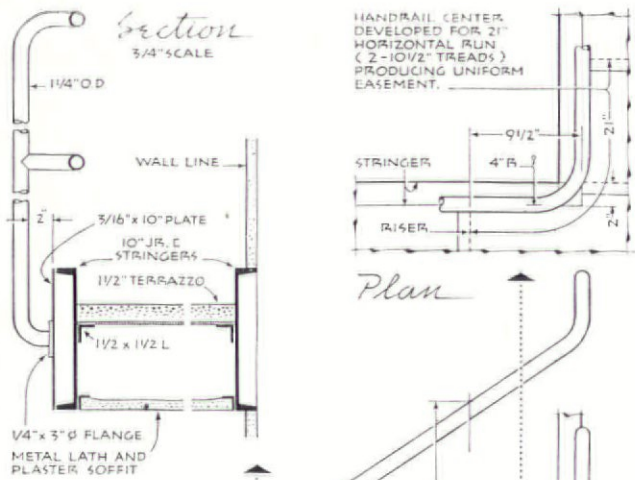


Section 3/4" SCALE

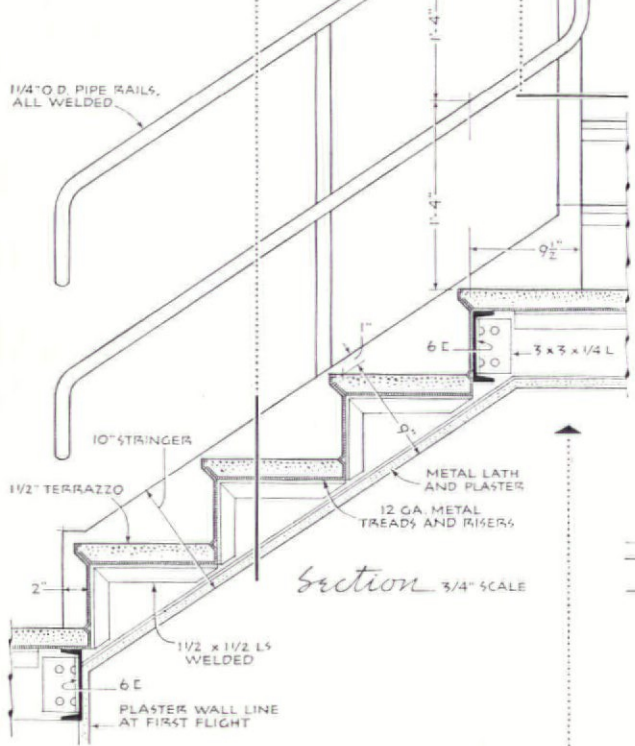


Section 3/4" SCALE

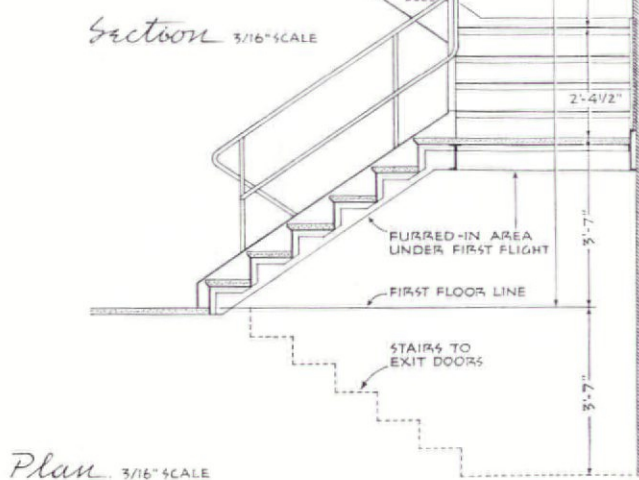
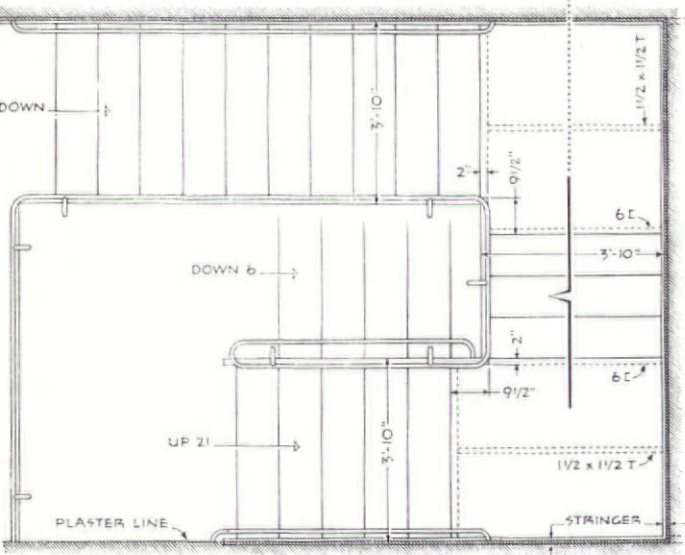
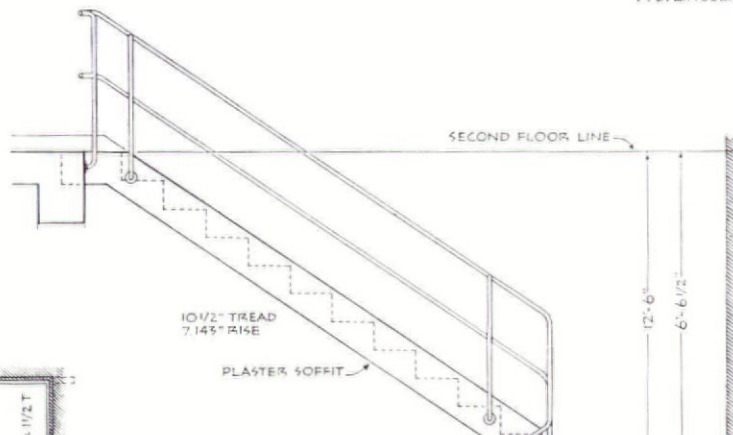


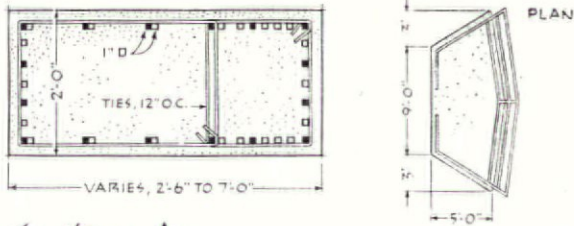


Plan

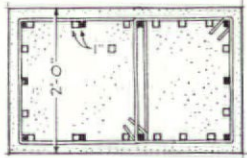


F. S. LINCOLN

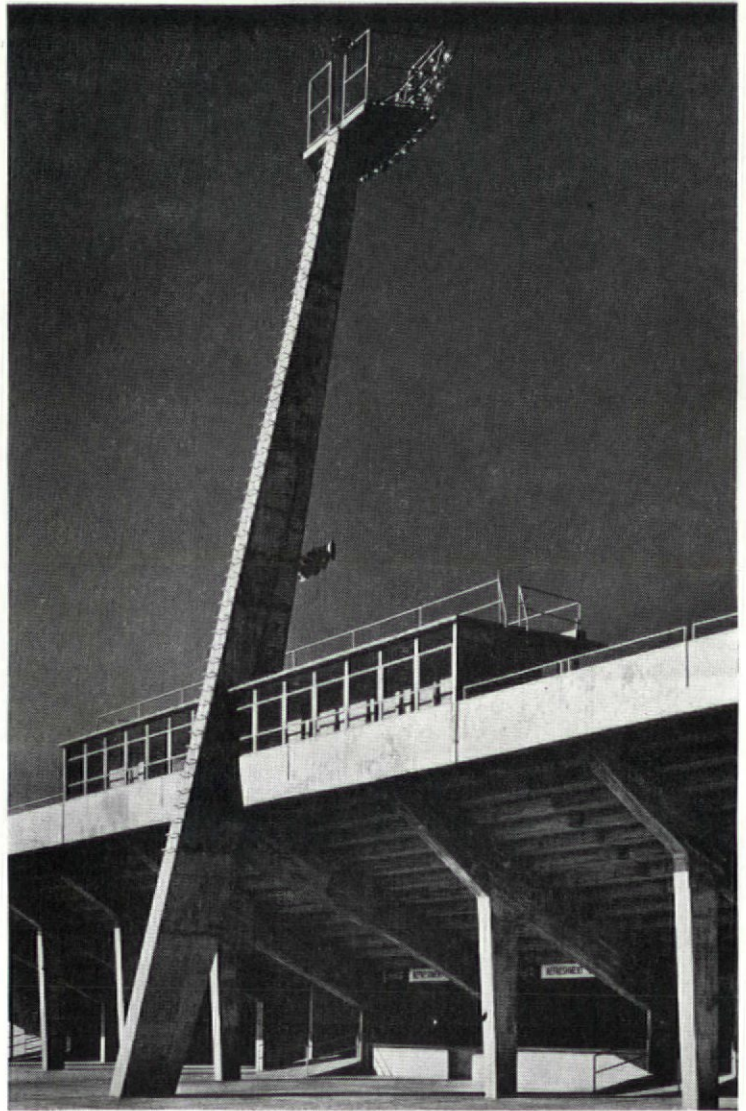
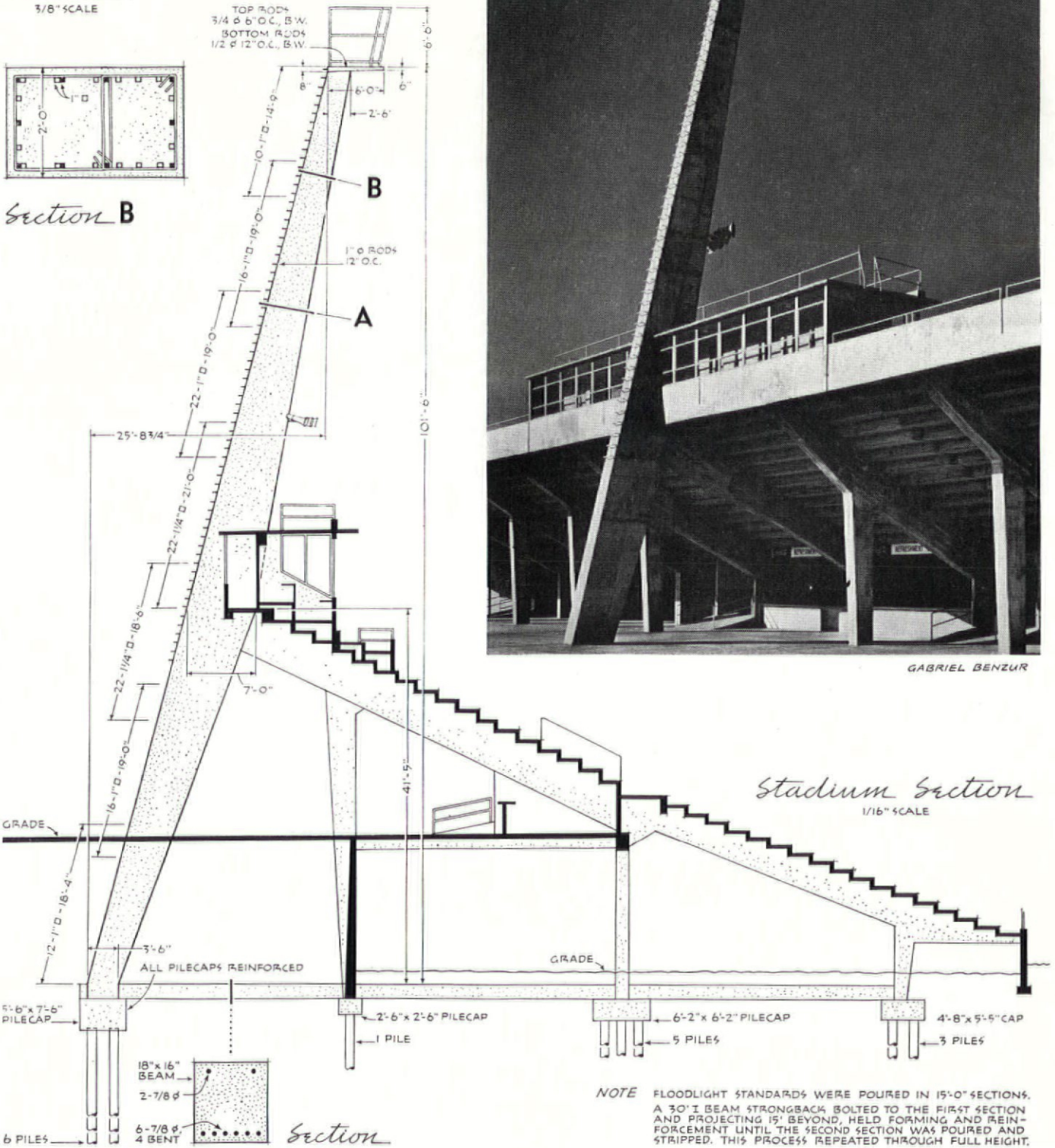




Section A
3/8" SCALE

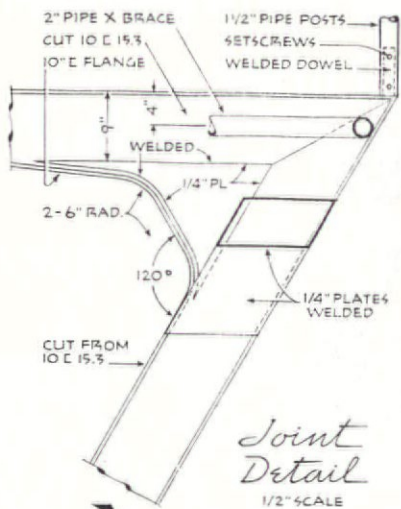
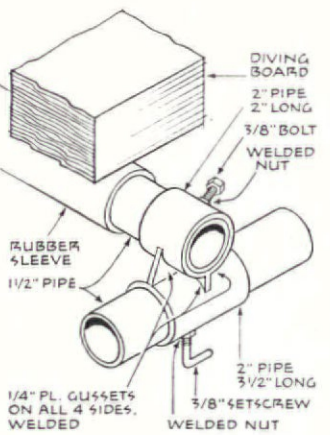


Section B

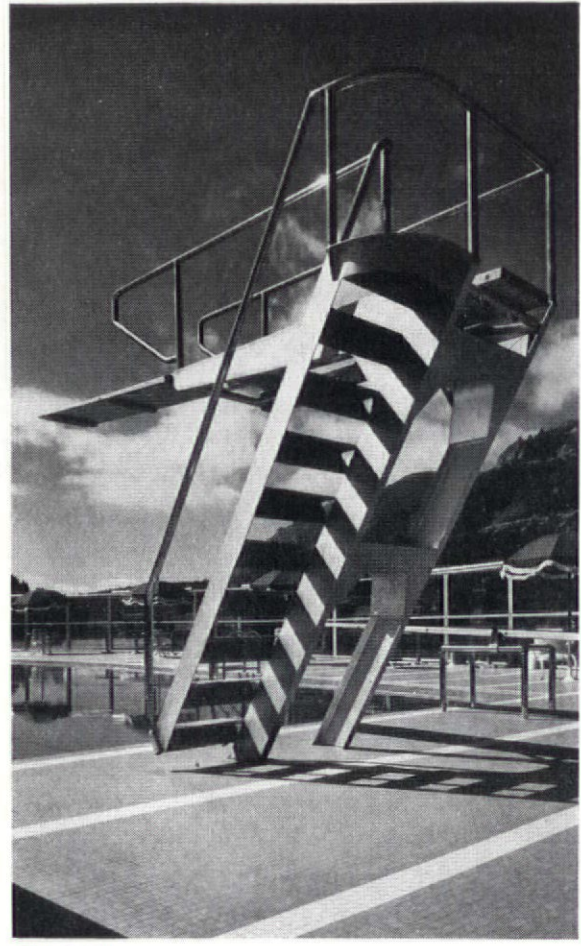


GABRIEL BENZUR

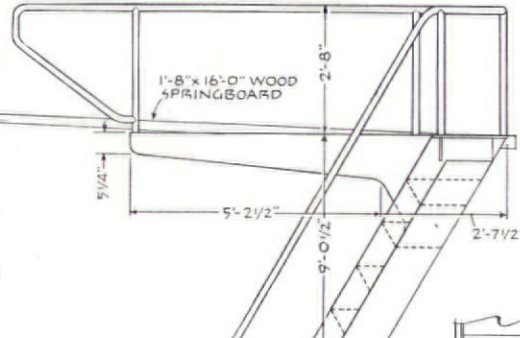
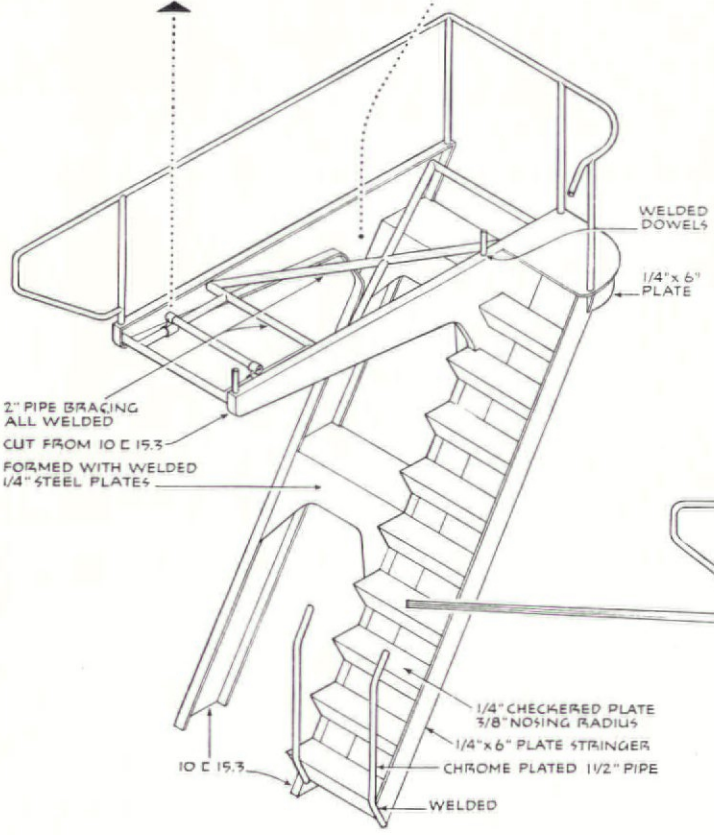
Fulcrum Detail
SCALE 1/2" = 5'



Joint Detail
SCALE 1/2" = 5'

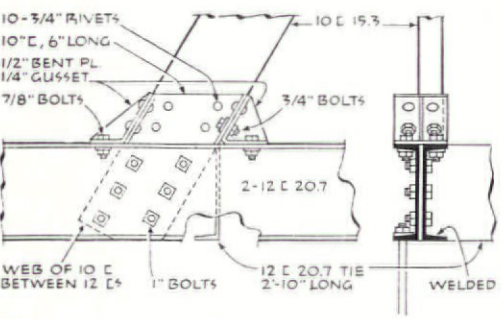
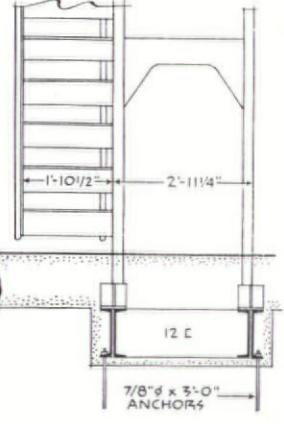


PHILIP FEIN

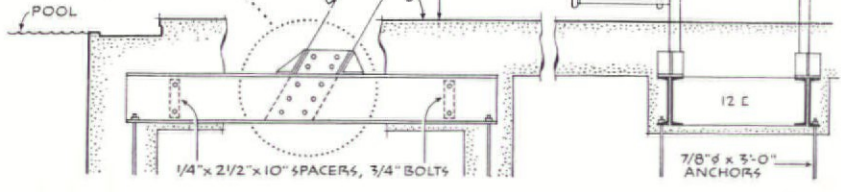


Side View
SCALE 1/4" = 5'

Rear View

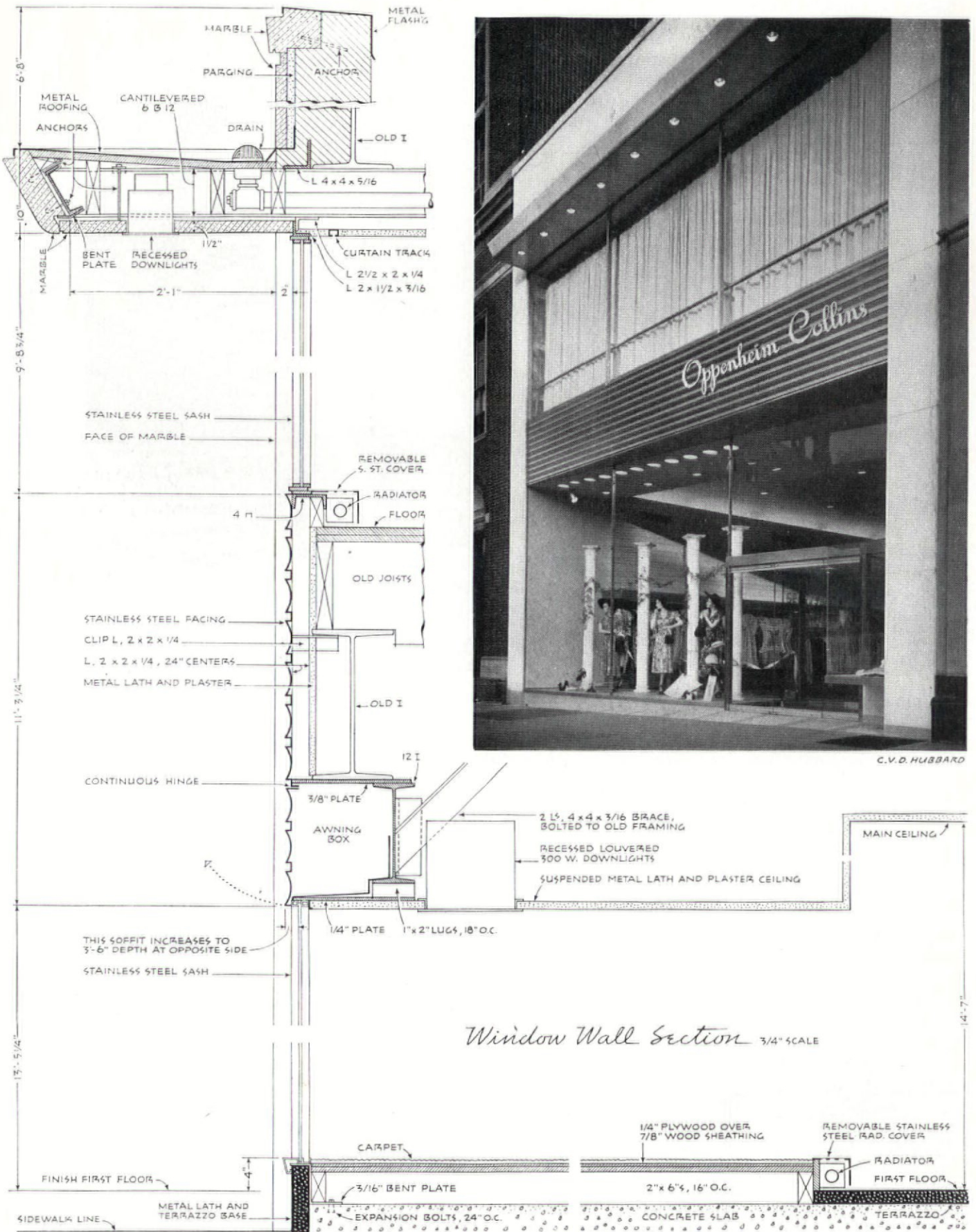


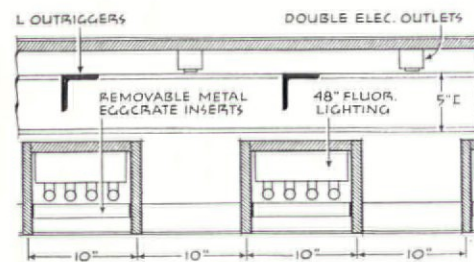
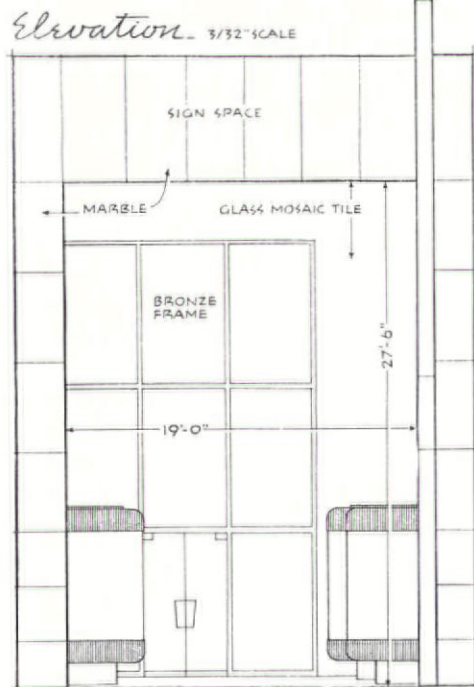
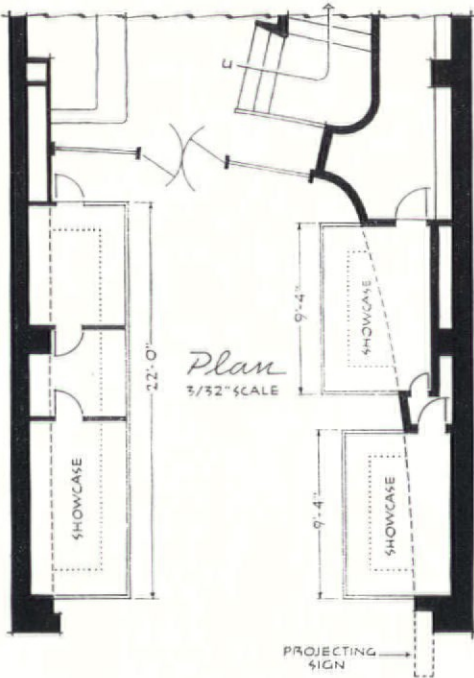
Detail at Base SCALE 1/2" = 5'





C.V.D. HUBBARD



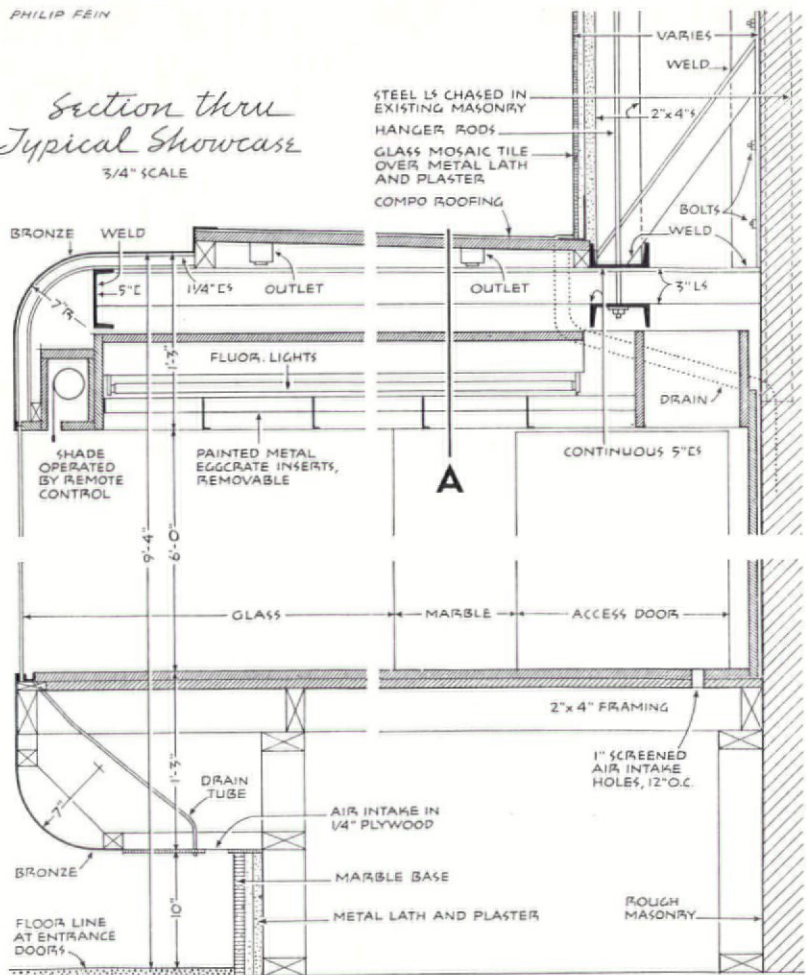


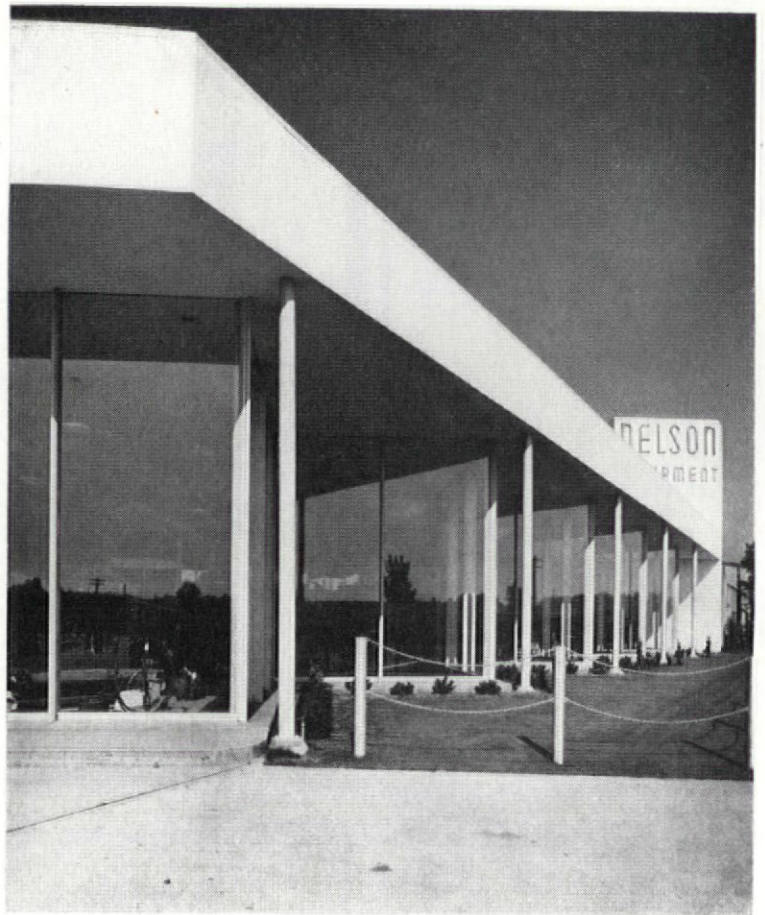
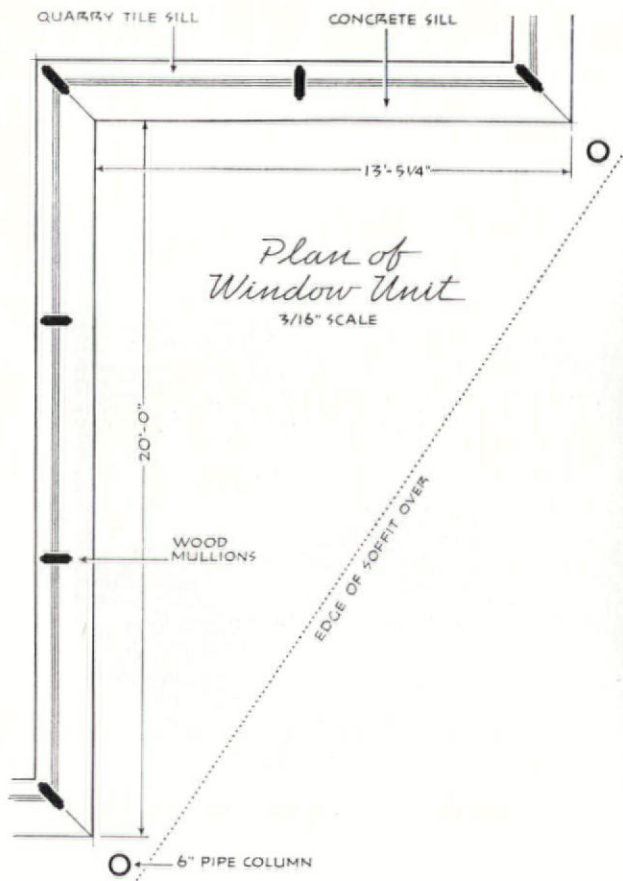
Section A 3/4" SCALE



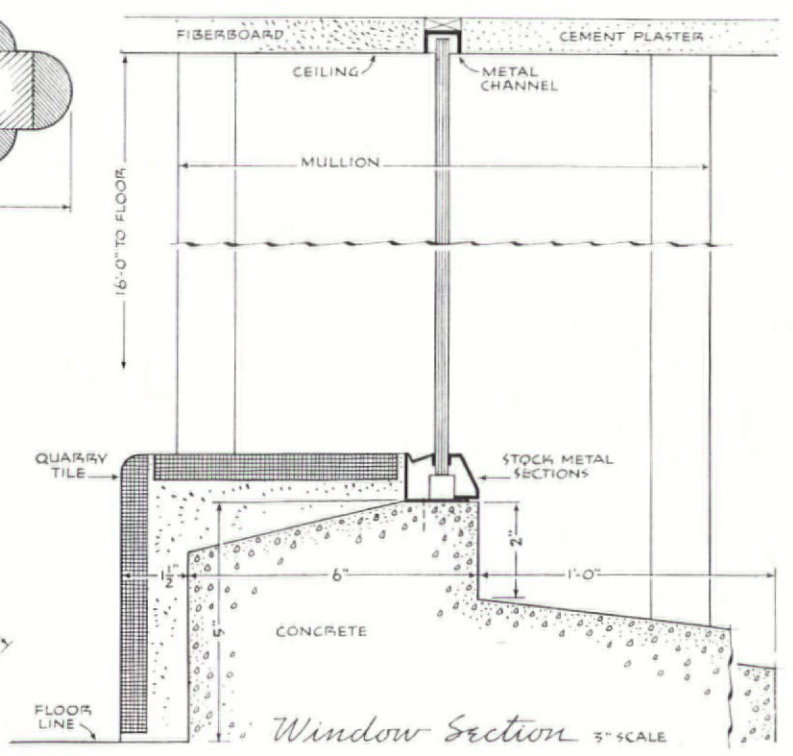
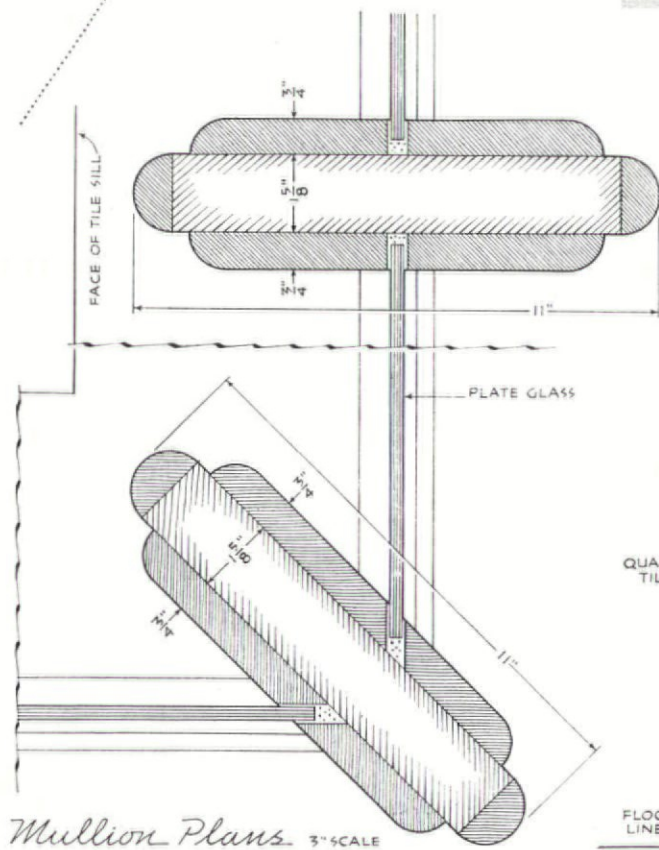
PHILIP FEIN

Section thru Typical Showcase 3/4" SCALE



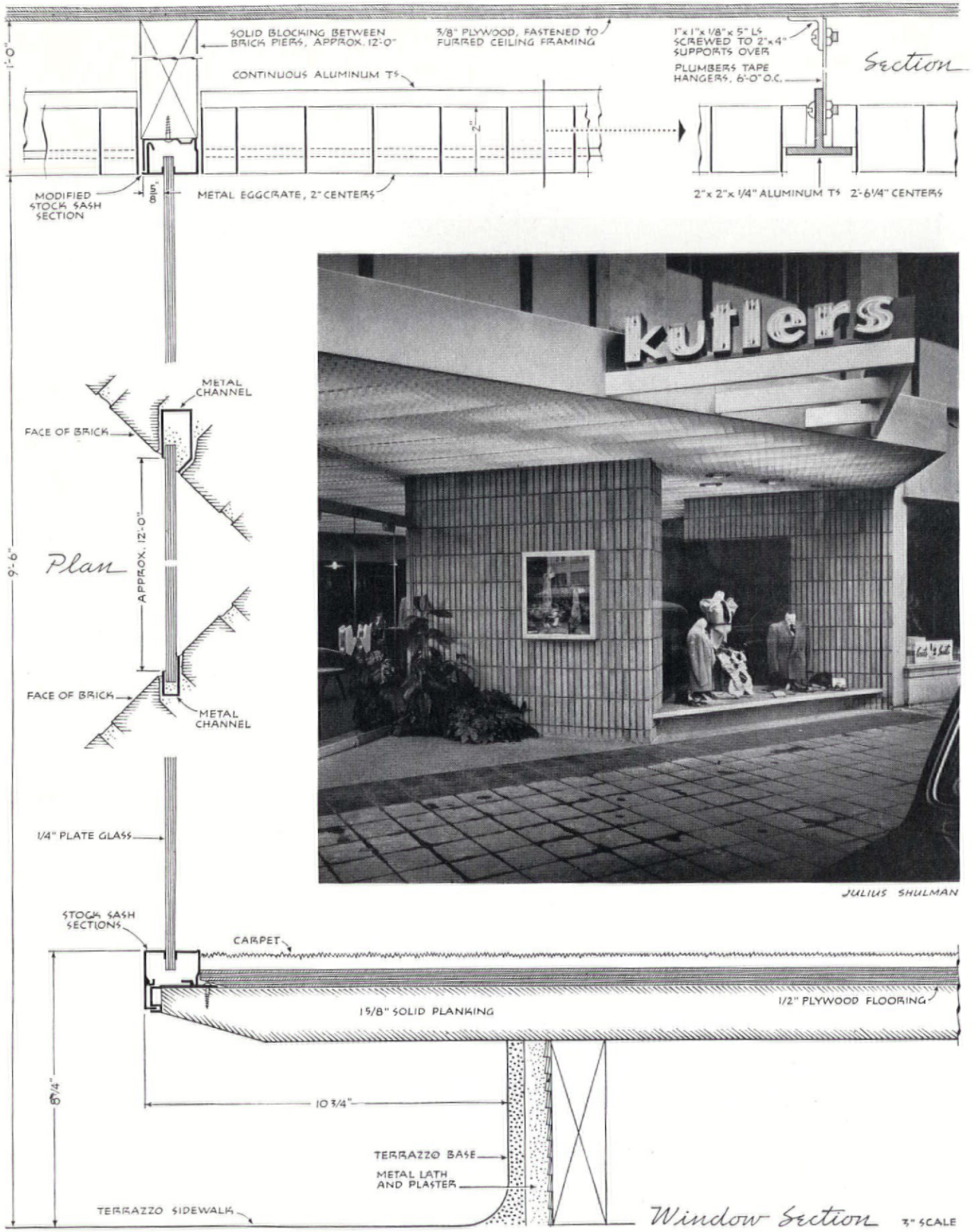


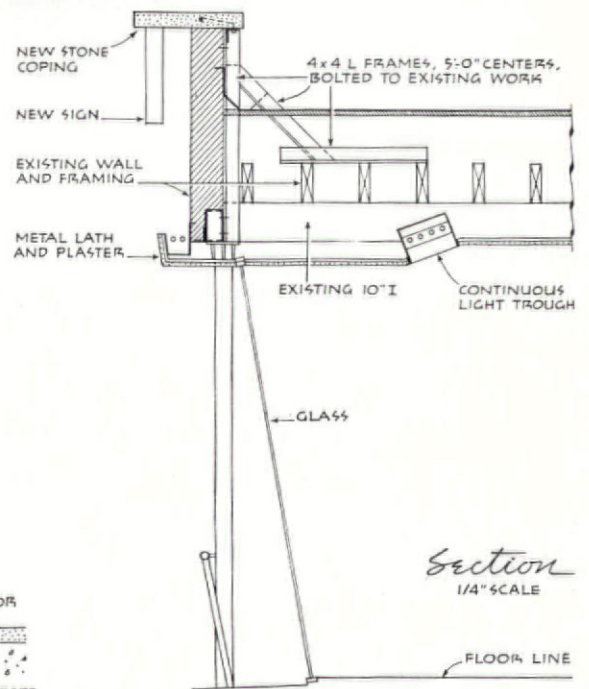
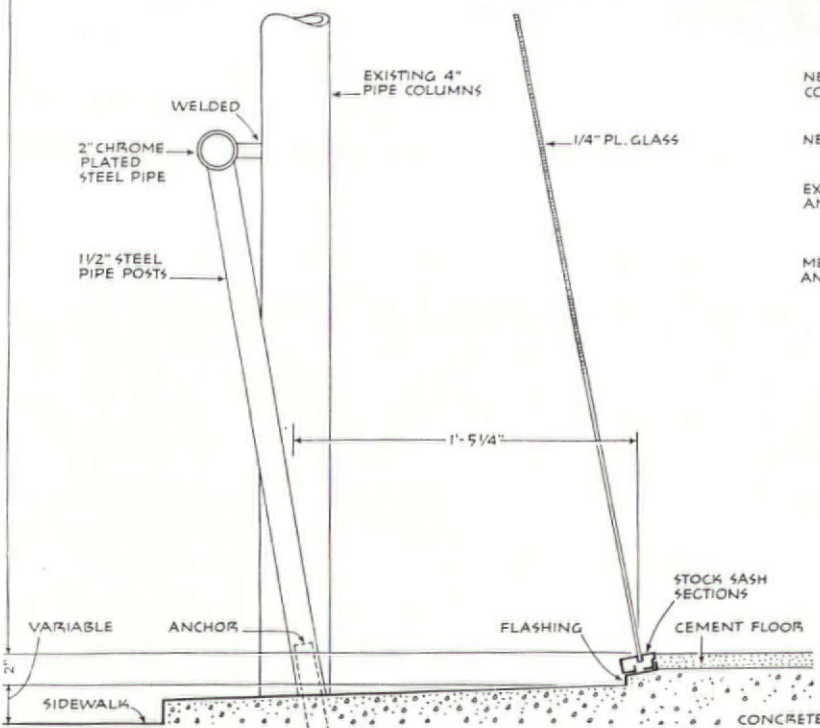
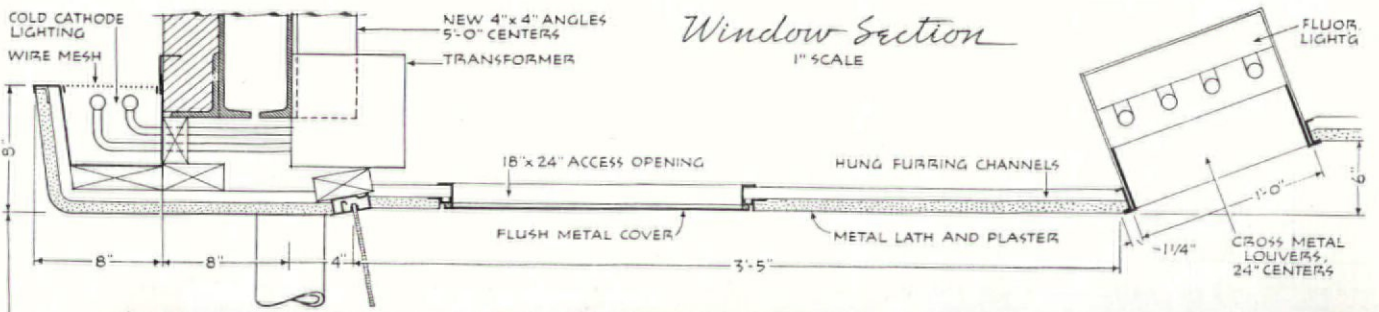
P. A. DEARBORN



NELSON EQUIPMENT COMPANY
Portland, Oregon

VAN EVERA BAILEY
Architect



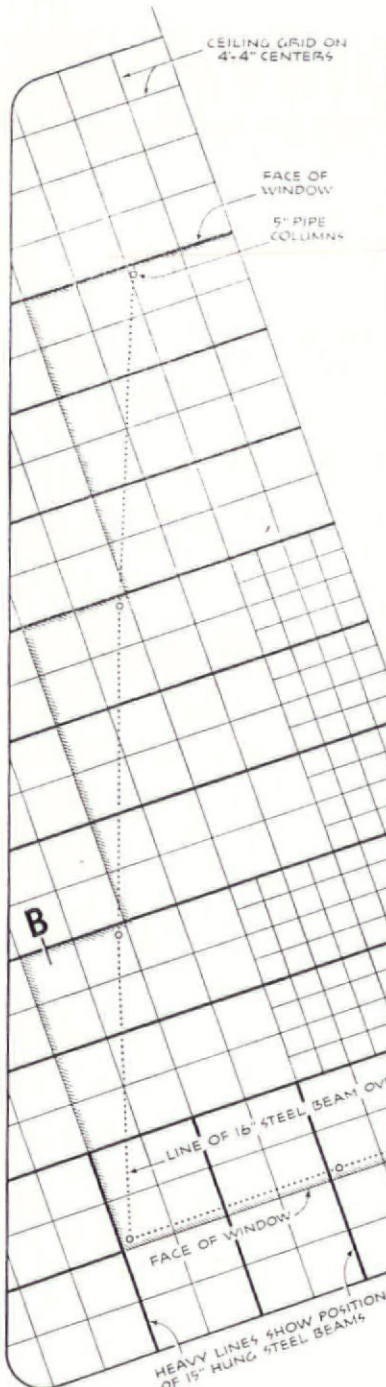


"L" MOTORS
New York, New York

MORRIS LAPIDUS
Architect

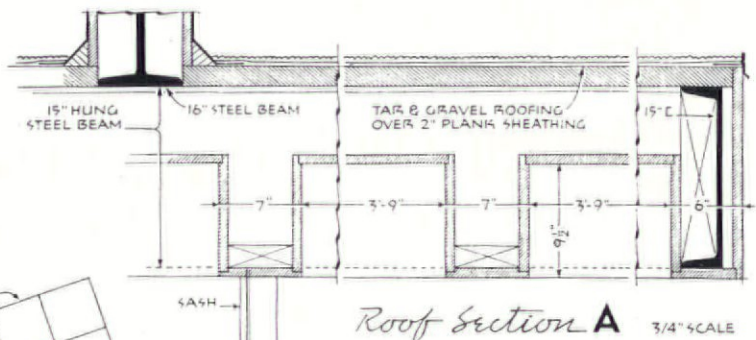


MARVIN ANDERSON STUDIOS

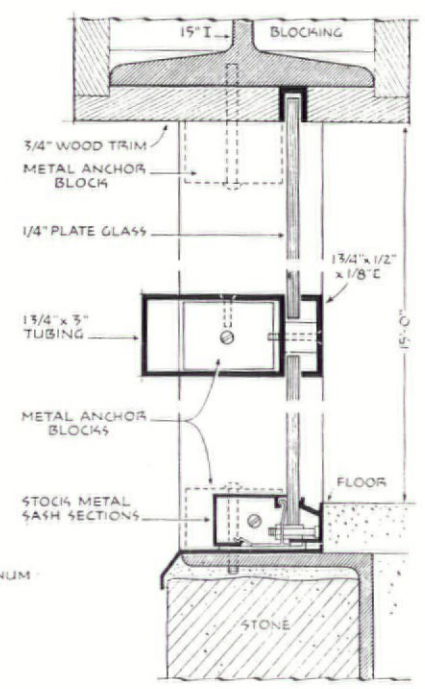


WOOD GRID OVER OFFICE AREA

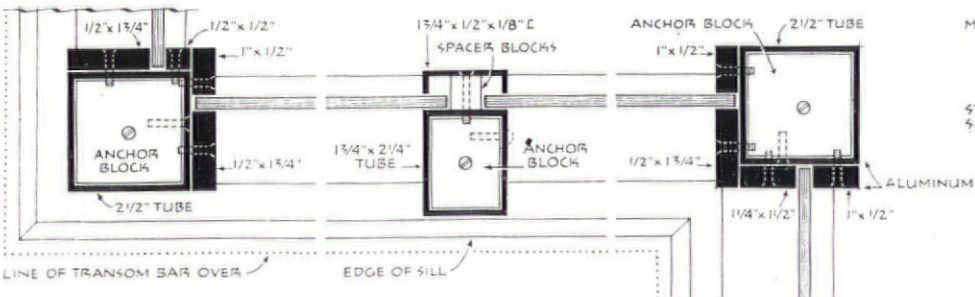
Roof Framing Plan 1/16" SCALE



Roof Section A 3/4" SCALE



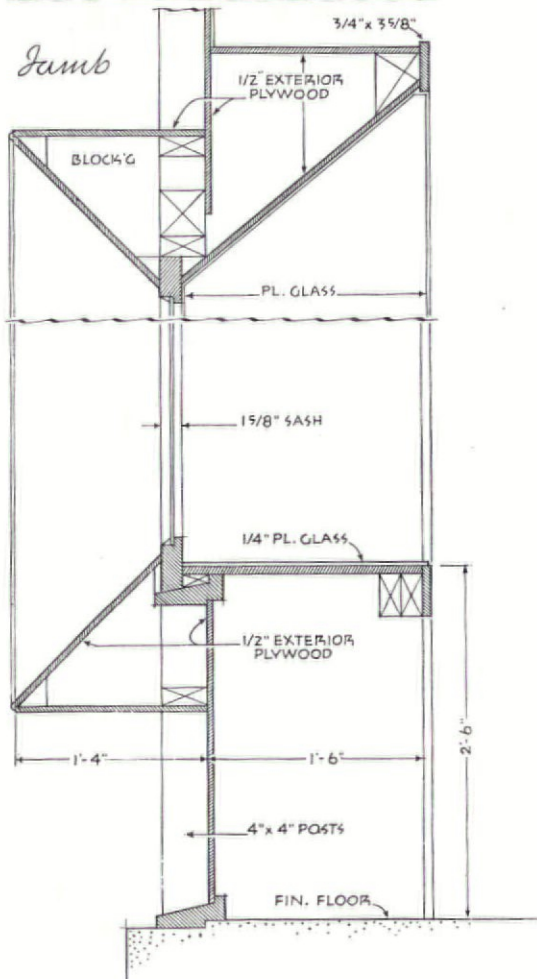
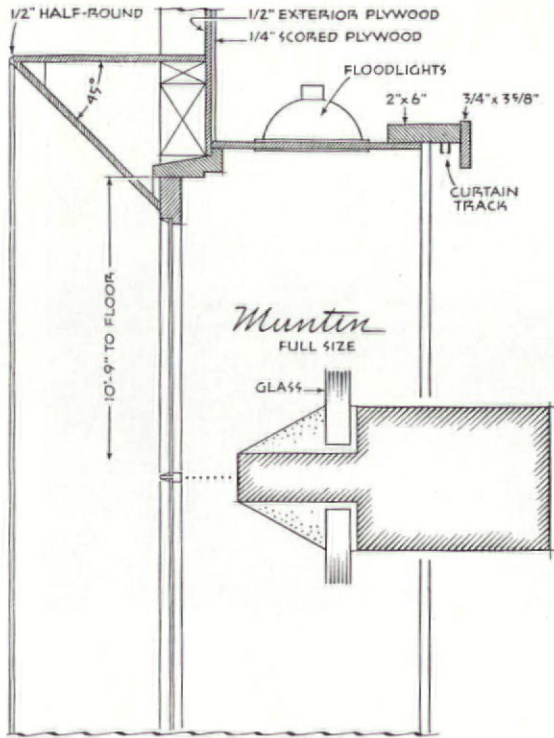
Window Section B 3" SCALE



Plan thru Window 3" SCALE

FELD CHEVROLET COMPANY
Maplewood, Missouri

GRUEN AND KRUMBECK
Architects



Section thru Window 3/4" SCALE

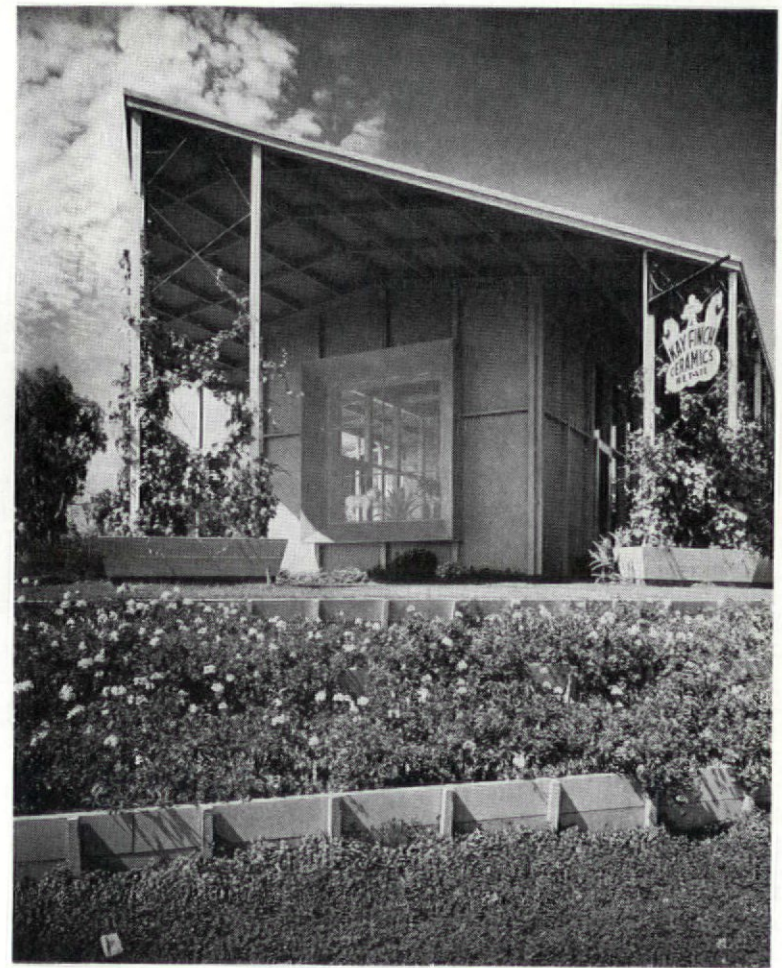
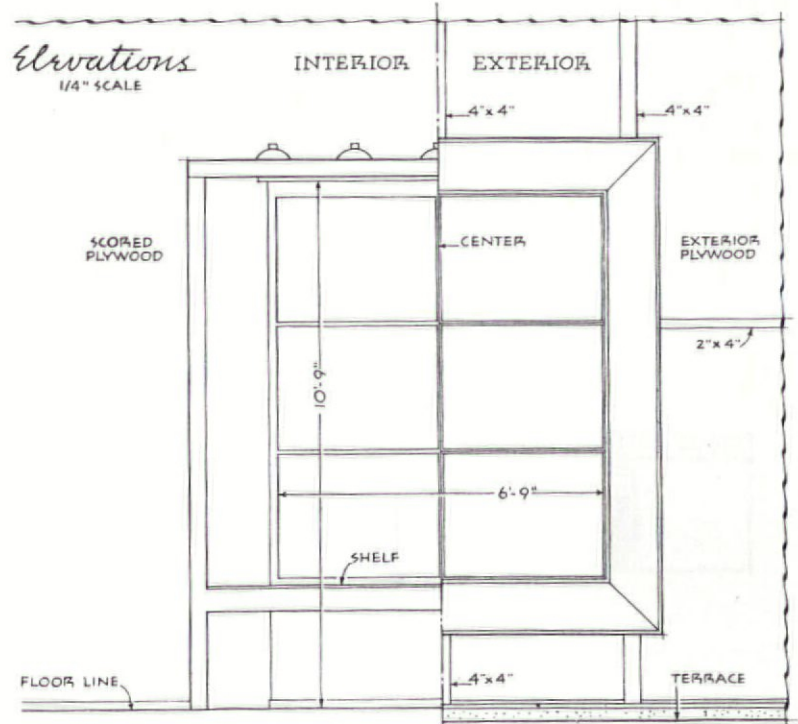
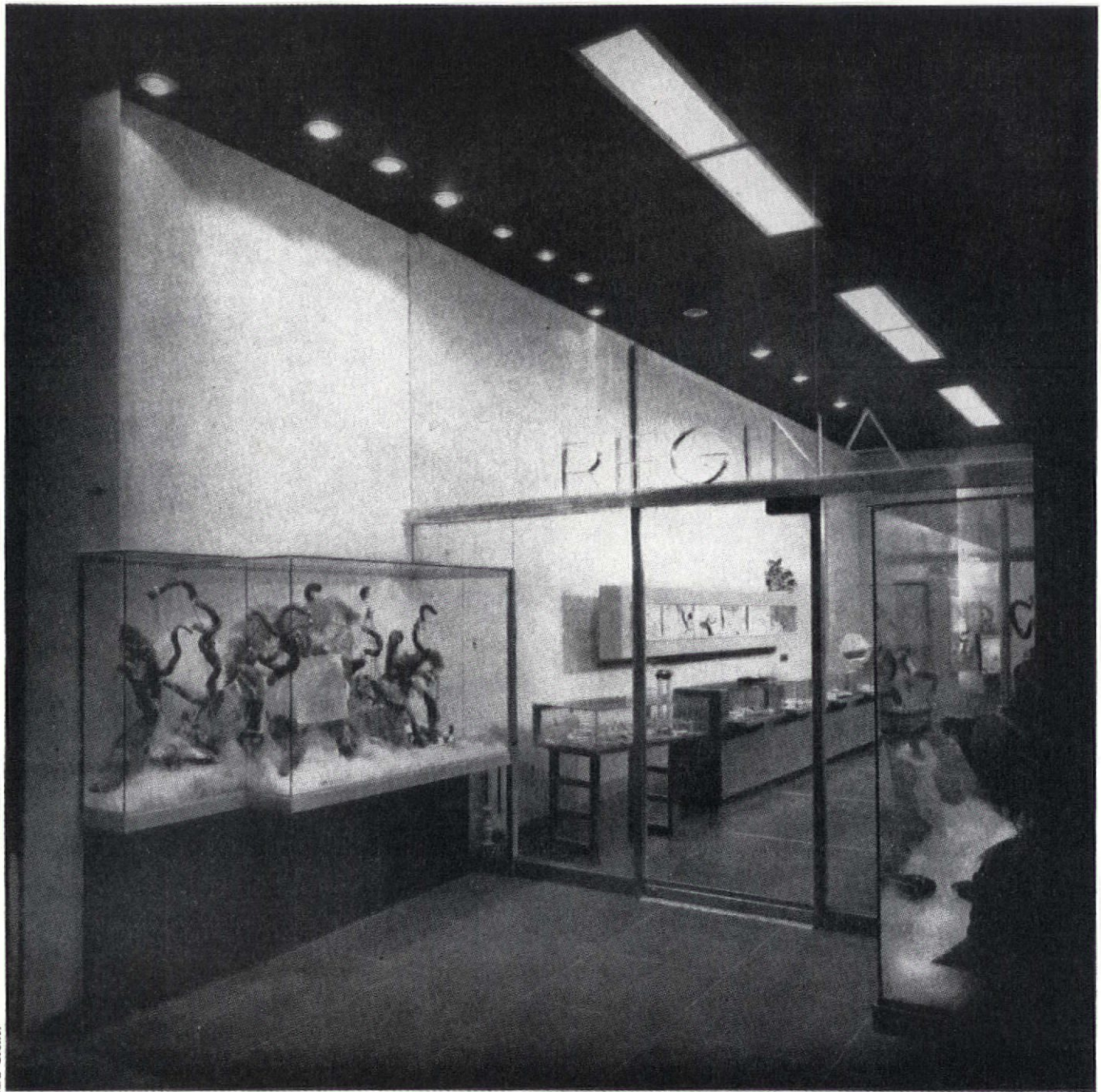


Photo-Julius Shulman



KAY FINCH CERAMIC STUDIO
Corona del Mar, California

FRANK GRUYS
Architect



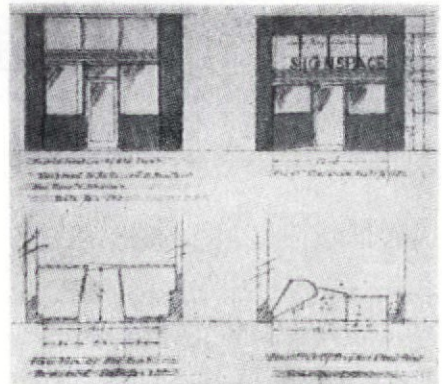
Ezra Stoller

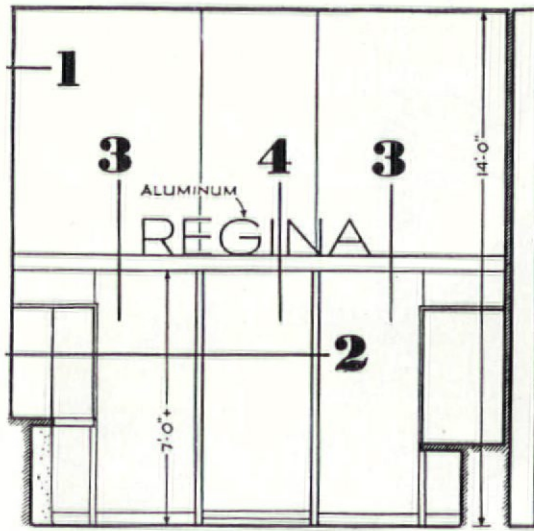
INEXPENSIVE DESIGN FOR SPECIALTY SHOP

NEW ROCHELLE, NEW YORK

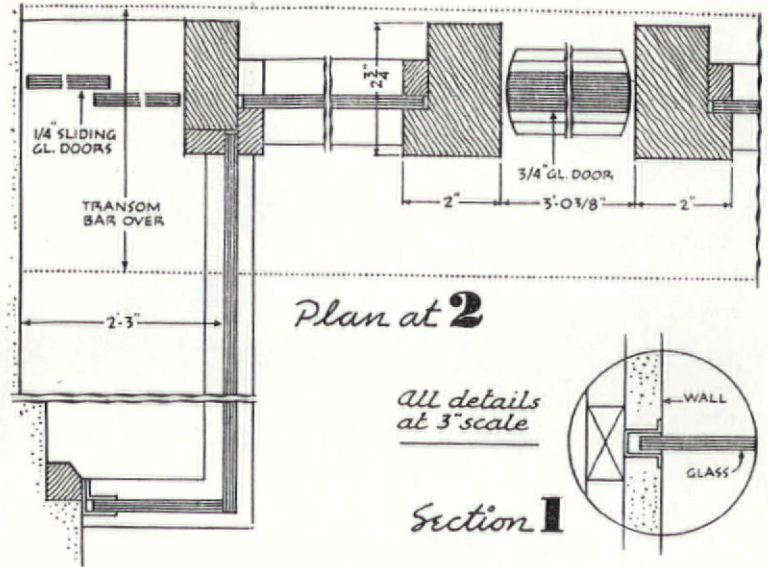
MARIE FROMMER, Architect

The tenant of this narrow, deep store (14 ft wide, 14 ft high) first went to a fixture contractor, intending to eliminate "unnecessary" fees. For his budget, he was assured he could get nothing better than is shown in the small sketch at right. Dissatisfied, he approached Miss Frommer, who produced for him the shop pictured above for the same total budget, which was approximately \$7,000. Economies achieved by such means as substituting black ceramic tile (laid up in squares $2\frac{1}{2} \times 2\frac{1}{2}$ ft with gray cement joints between squares) for terrazzo and dividing strips, made possible such essentials as the hung ceiling, painted midnight blue to help concentrate attention on the merchandise. No exterior sign space was available; name appears in aluminum letters at rear of 10-ft deep vestibule.





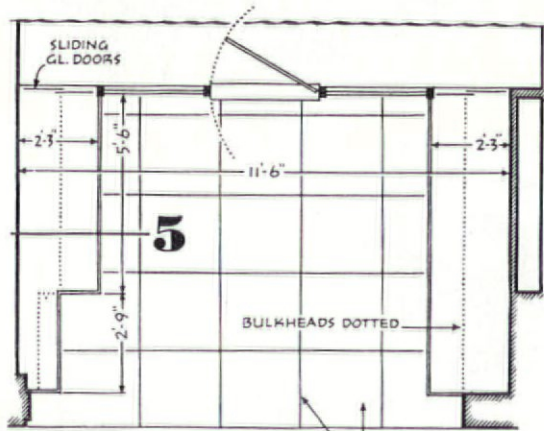
Section 1 3/16" SCALE



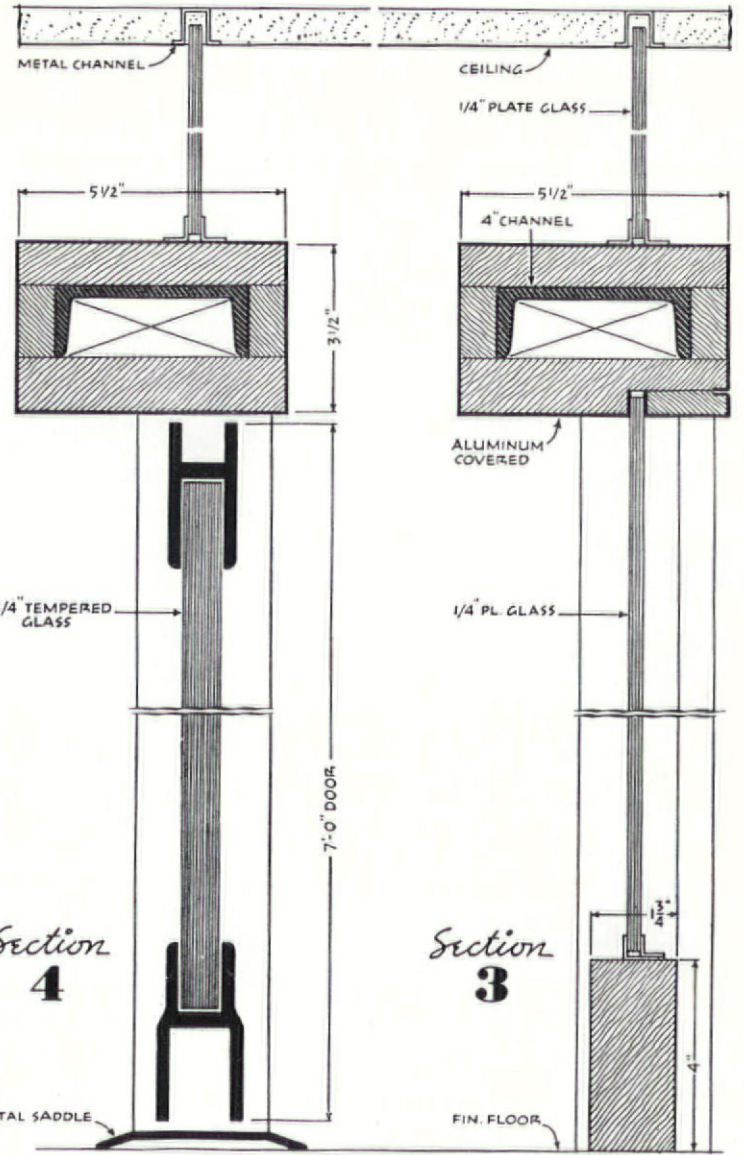
Plan at 2

All details at 3" scale

Section 1

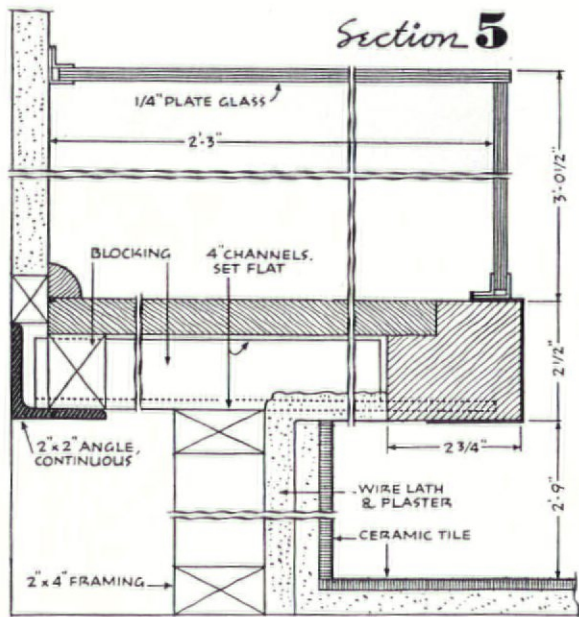


Plan 5 3/16" SCALE

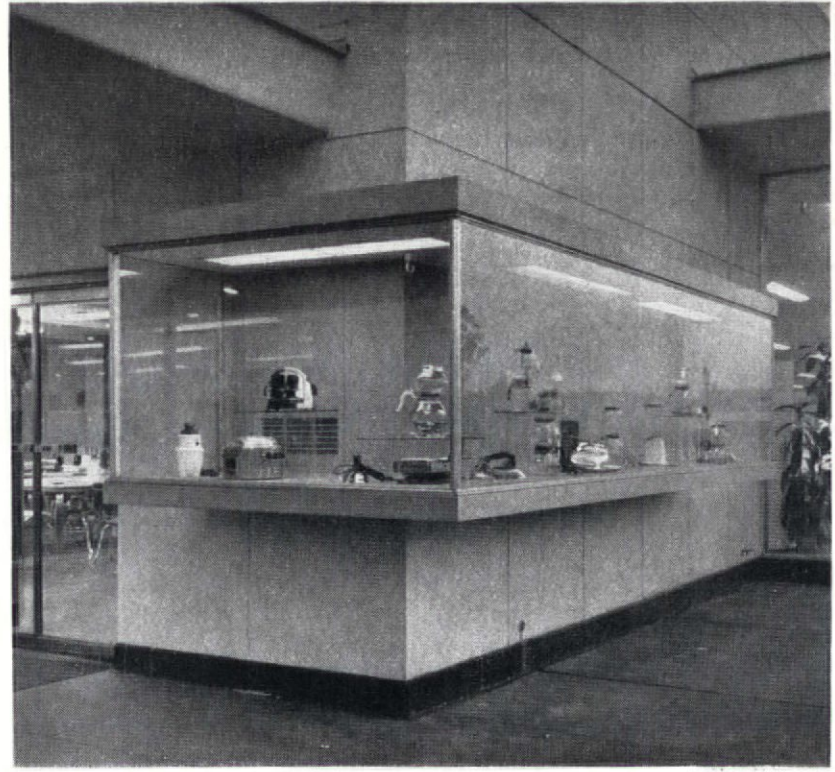


Section 4

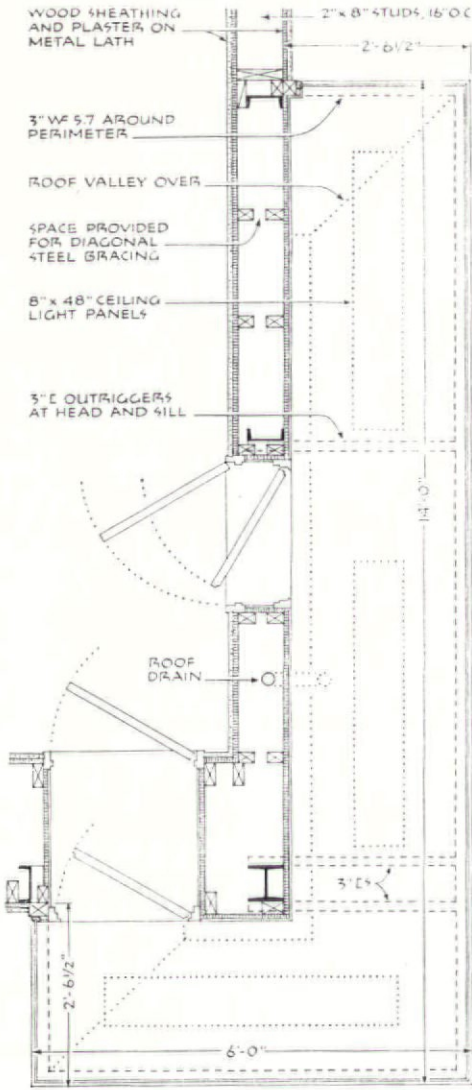
Section 3



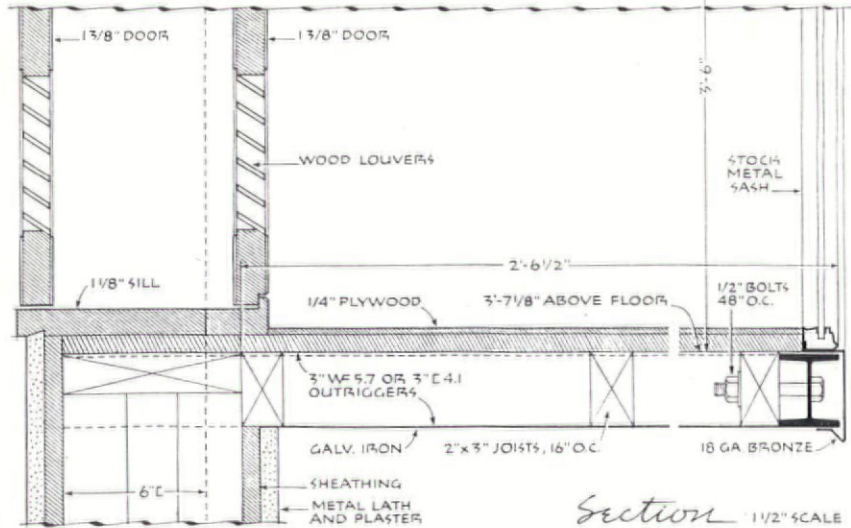
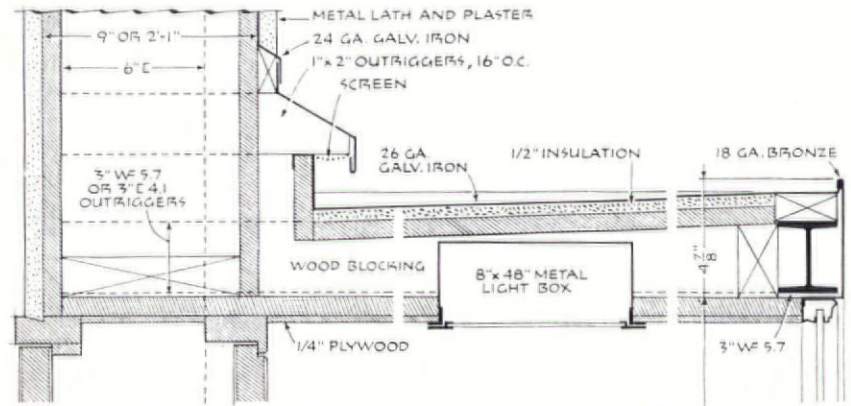
Section 5



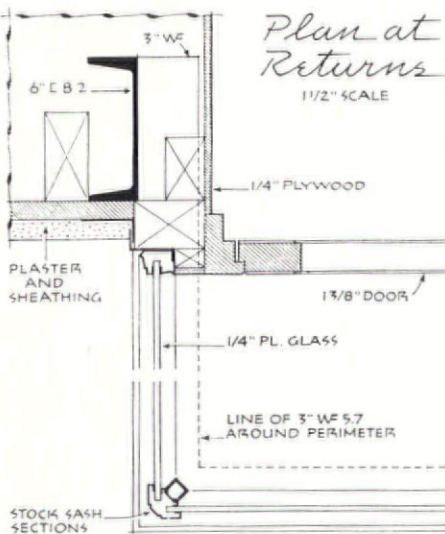
JULIUS SHULMAN



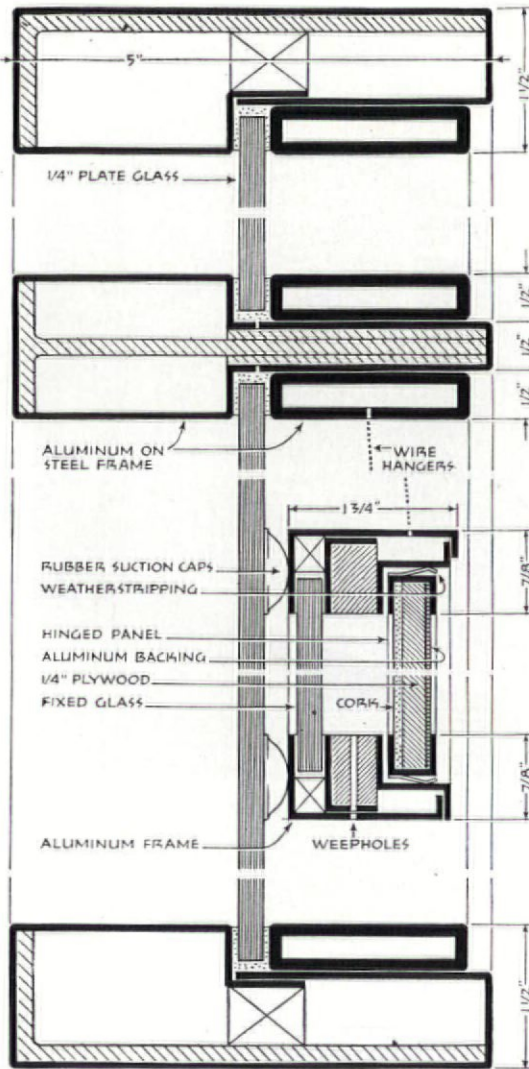
Plan 3/8" SCALE



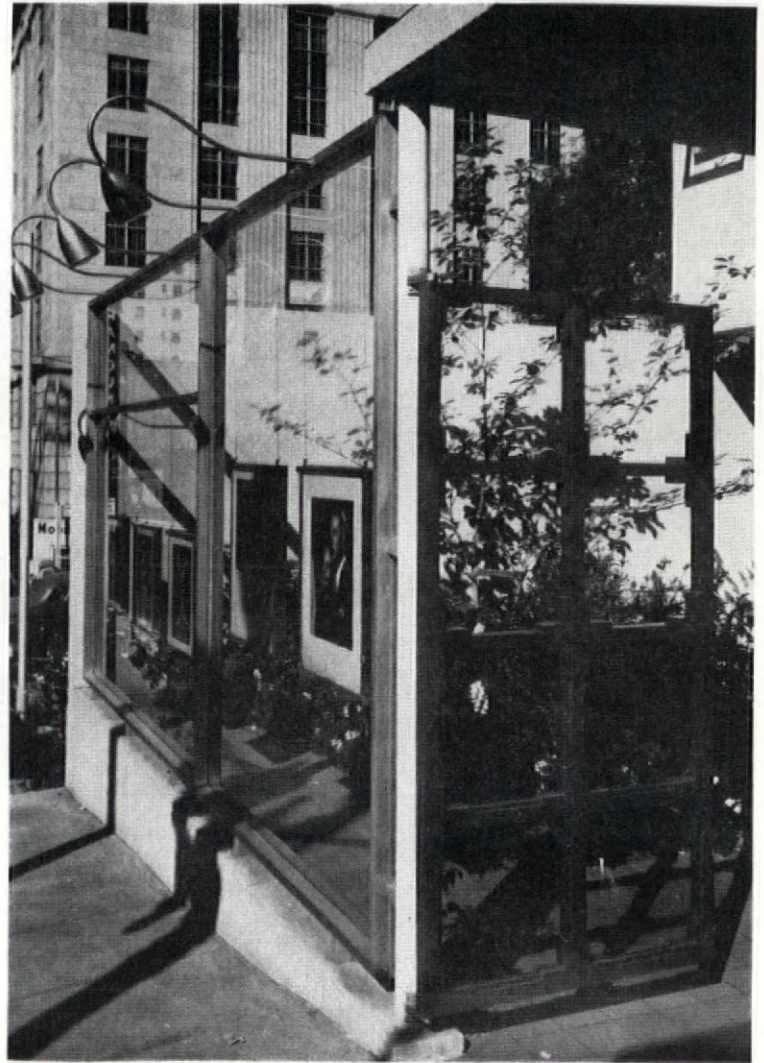
Section 1/2" SCALE



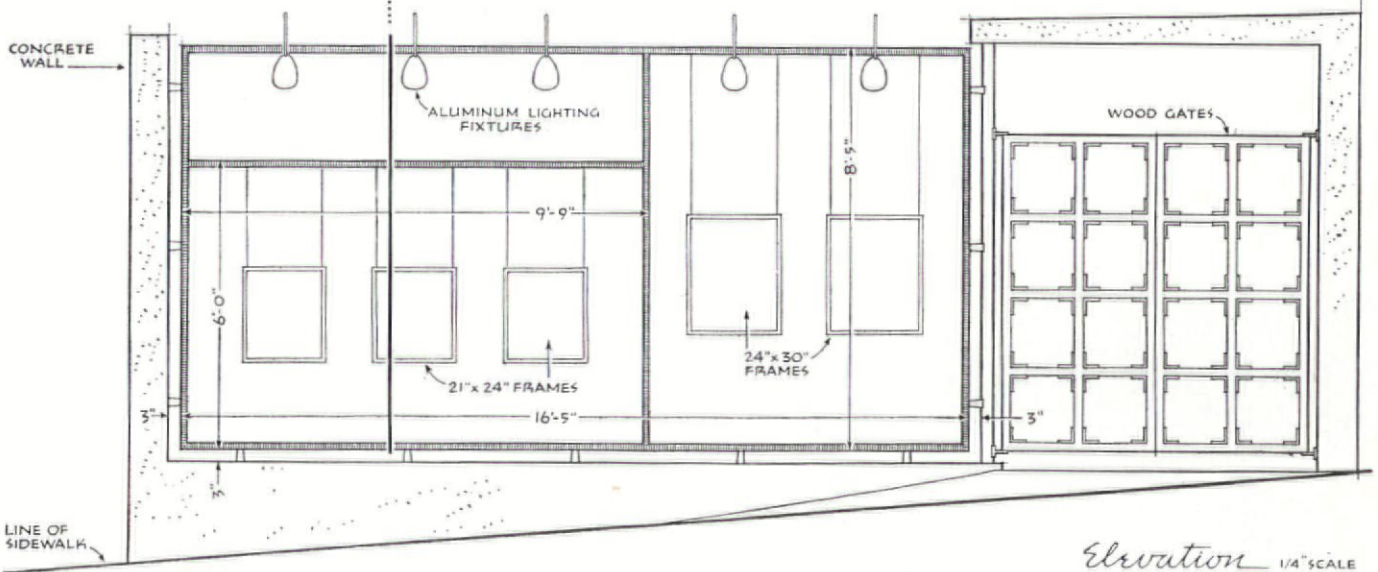
Plan at Returns 1/2" SCALE



Section HALF FULL SIZE



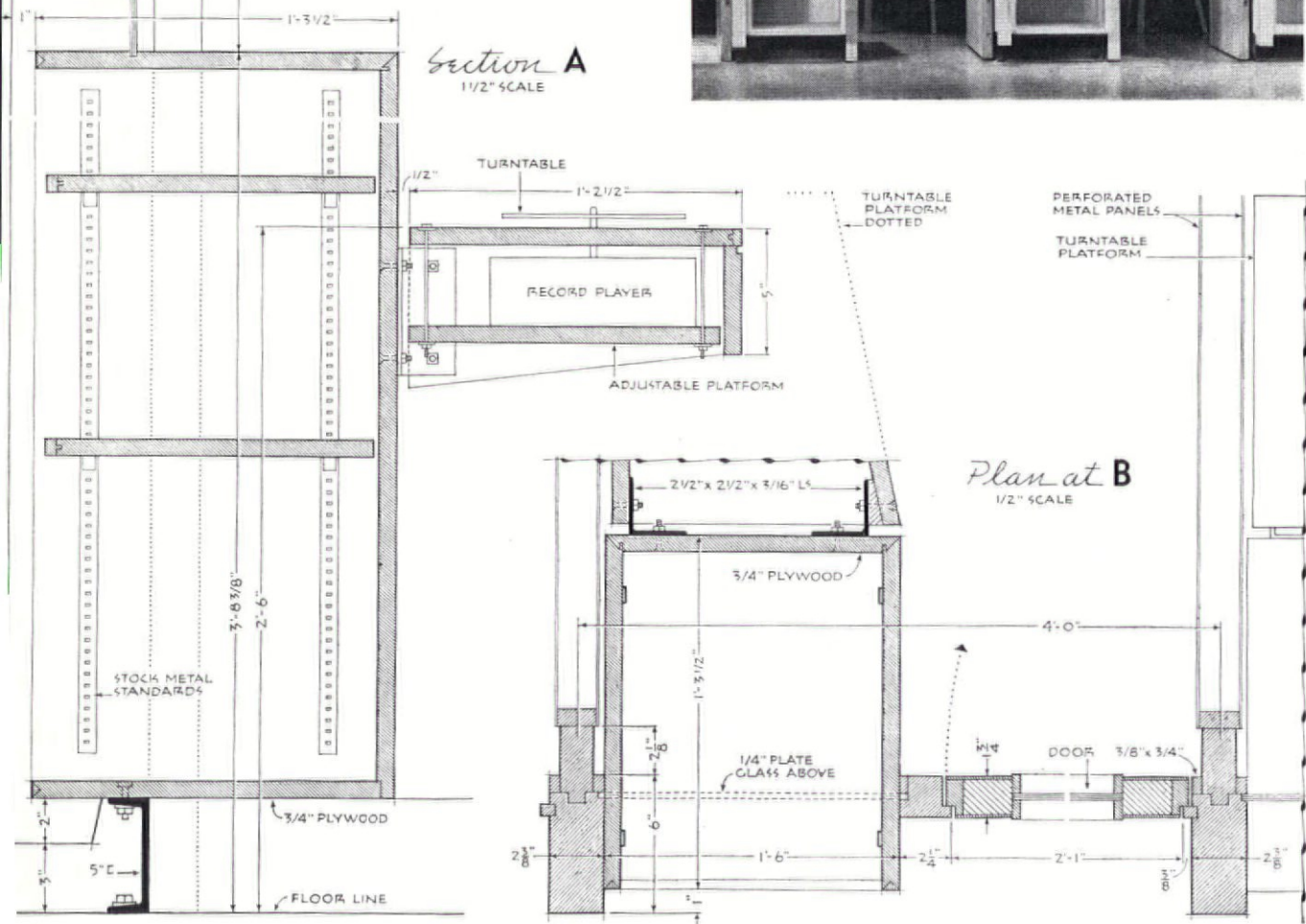
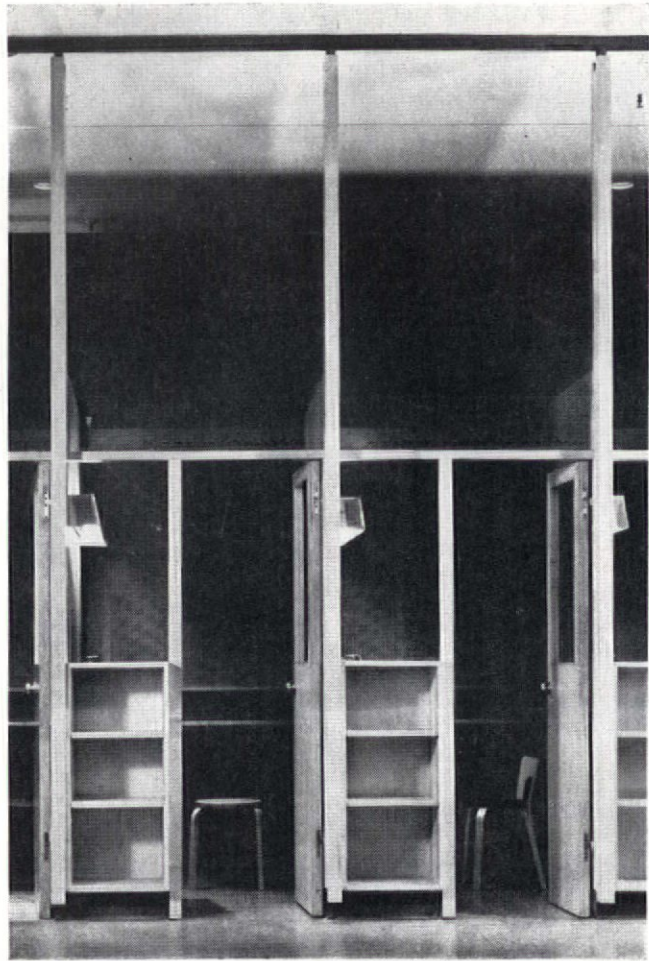
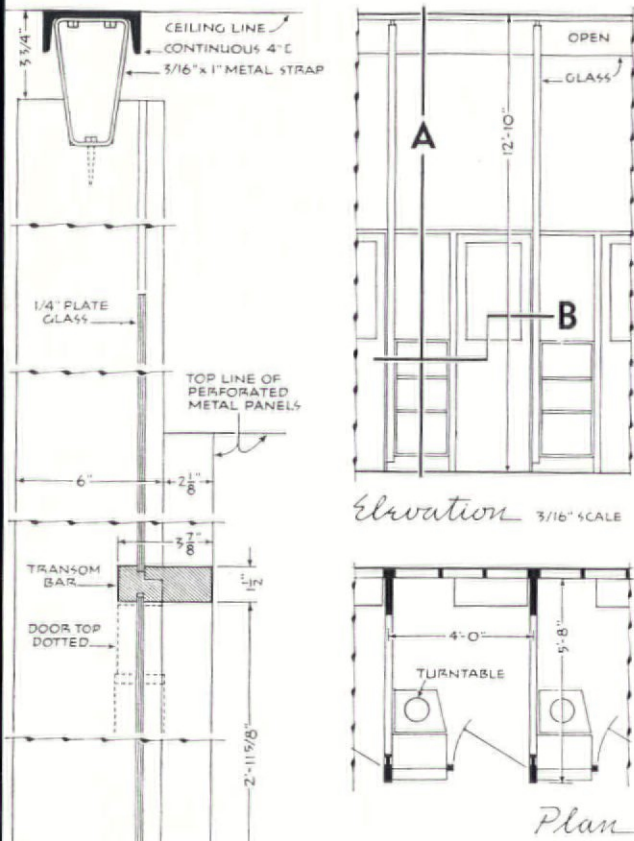
EDRIS MORRISON



Elevation 1/4" SCALE

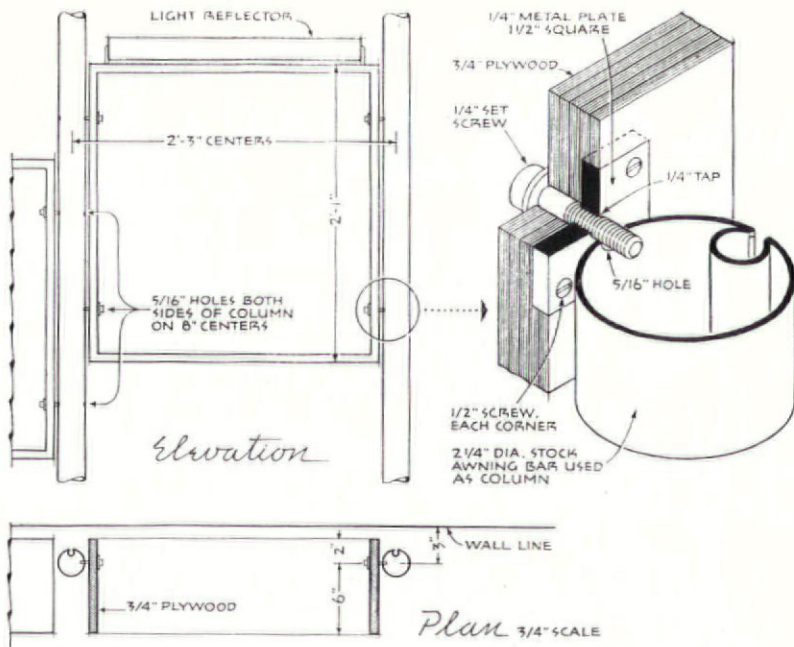
EDRIS MORRISON PHOTOGRAPHIC STUDIO
Portland, Oregon

PIETRO BELLUSCHI
Architect

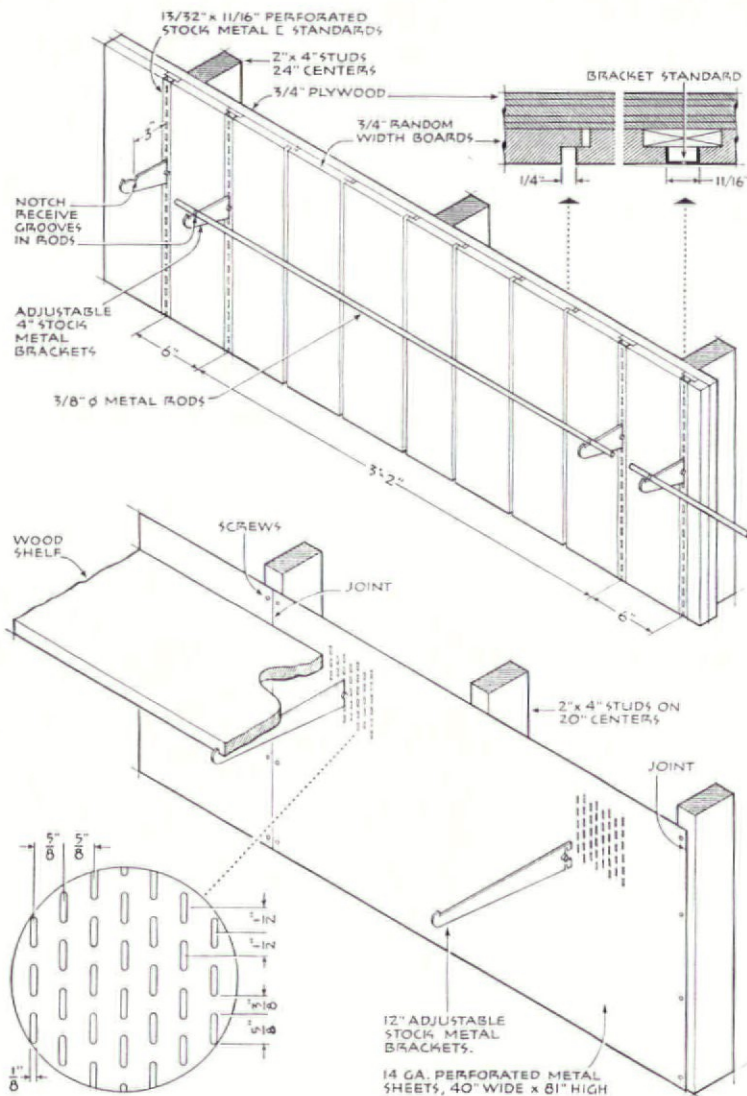


VISION-PAXON STORE, Atlanta, Georgia

HAROLD M. HEATLEY AND KETCHUM, GINA & SHARP, ASSOCIATED ARCHITECTS, JOSEPH AMISANO, DESIGN PROJECT CHIEF

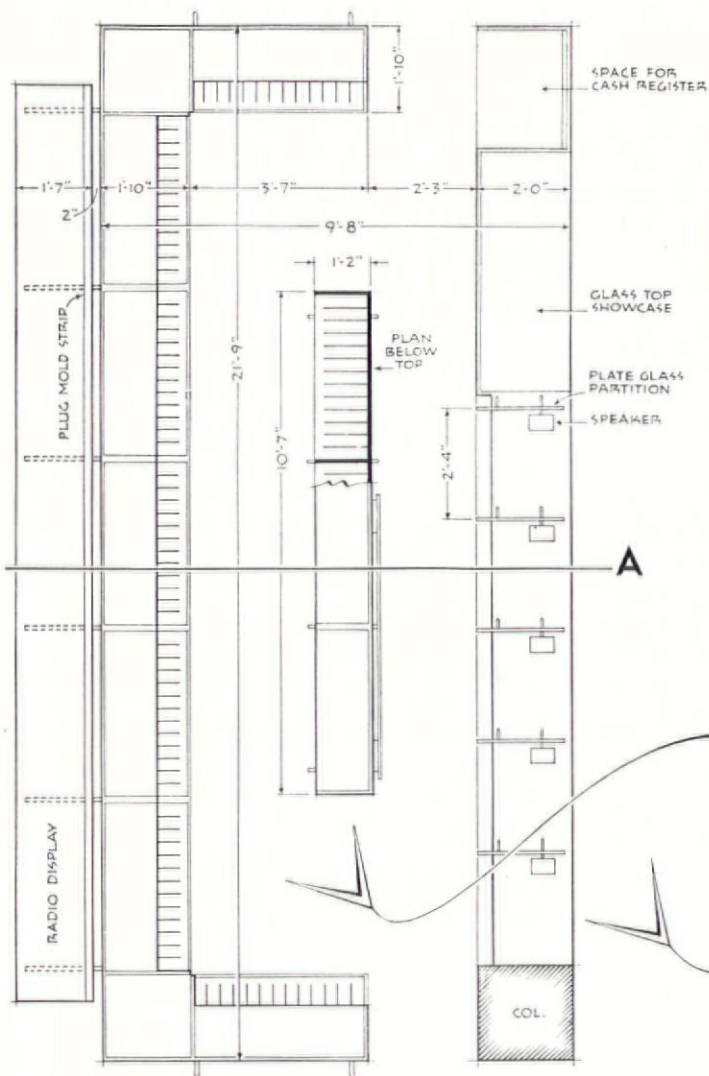


PHOTOS BY WILLIAM M. BRANNAN

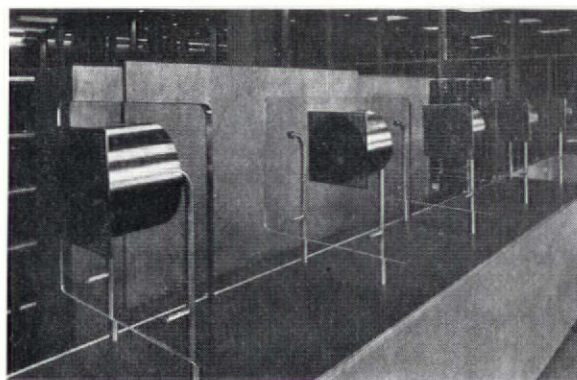
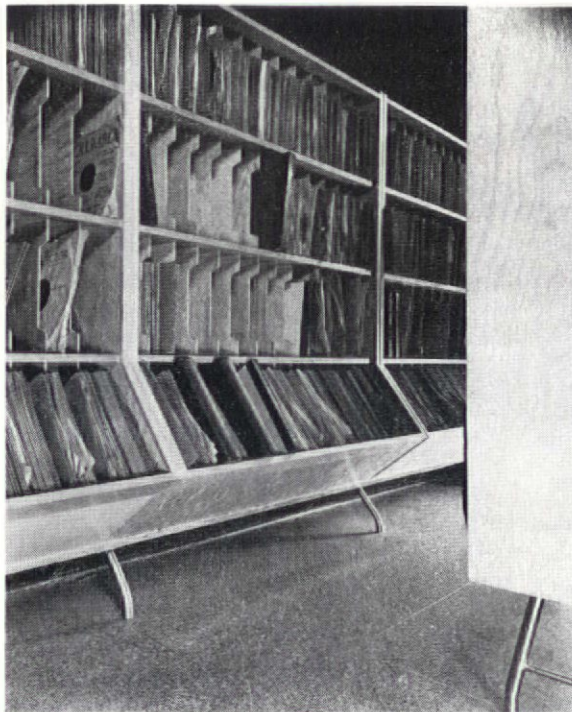


DAVISON-PAXON STORE,
Atlanta, Georgia

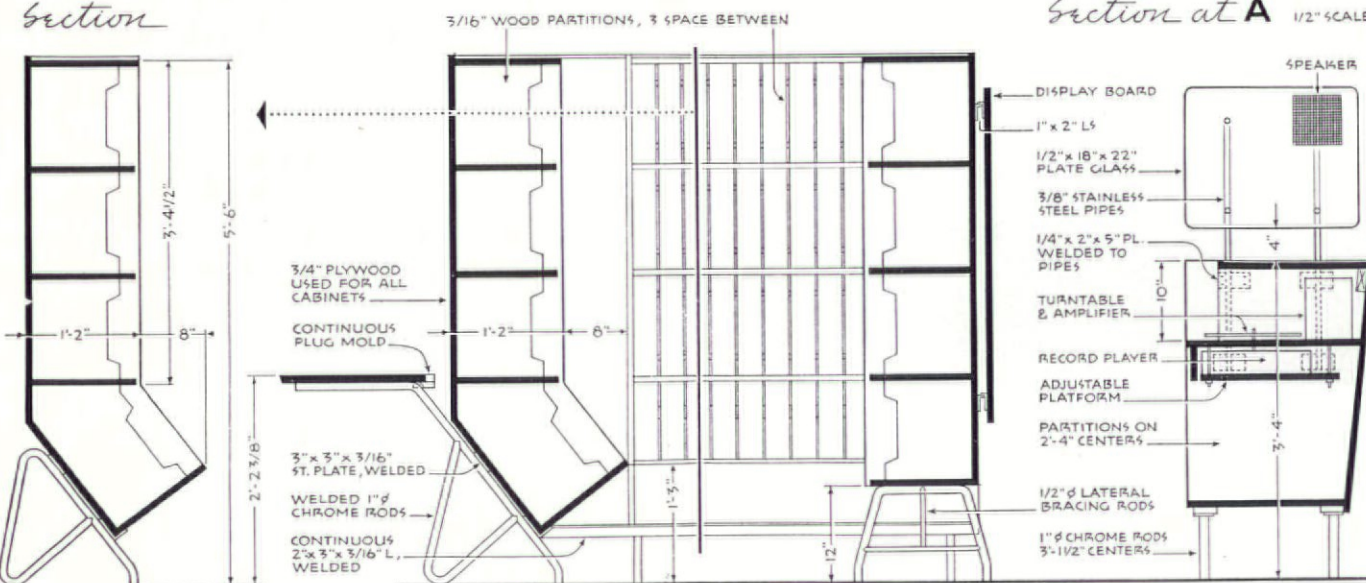
HAROLD M. HEATLEY AND KETCHUM, GINA & SHARP, ASSOCIATED ARCHITECTS,
JOSEPH AMISANO, DESIGN PROJECT CHIEF



Plan 1/4" SCALE



Section



Section at A 1/2" SCALE



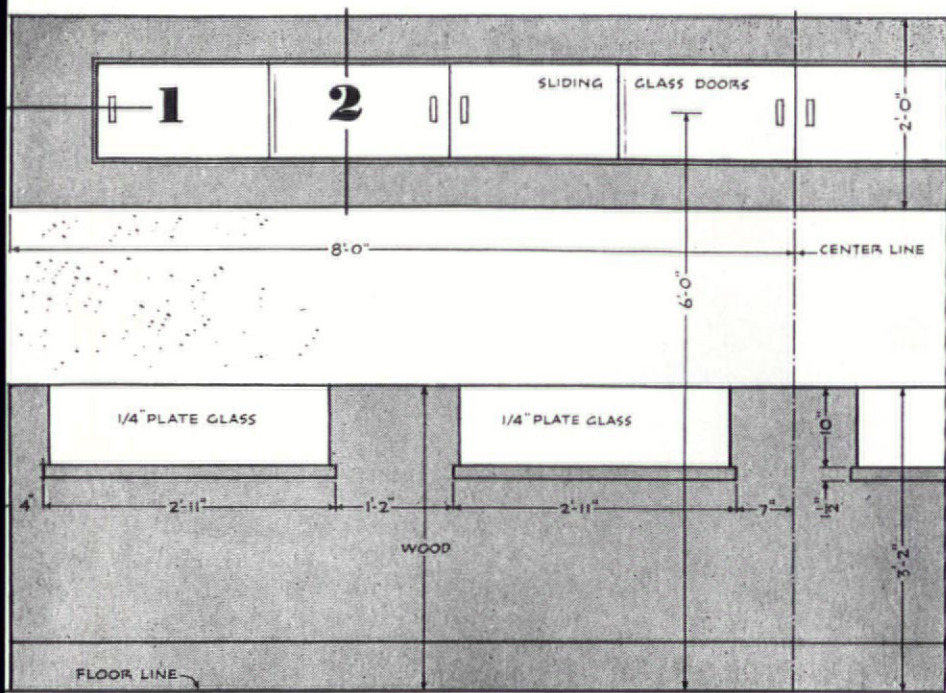
Eva Stoller

CASES, SPECIALTY SHOP NEW ROCHELLE, N. Y.

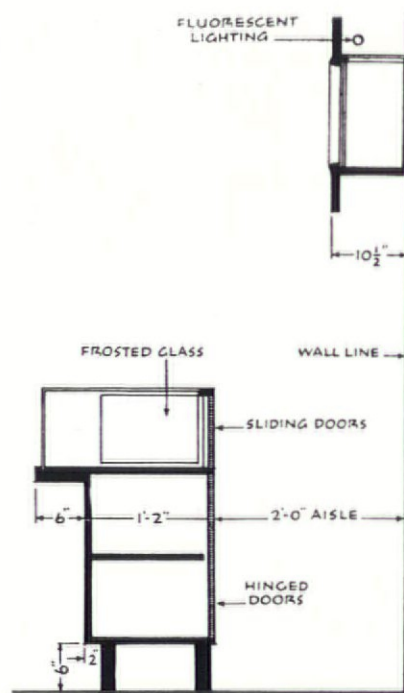
MARIE FROMMER
Architect

Ceiling is dark blue, walls light gray, lighting (mostly fluorescent) is built-in. Exposed wood is oak with rubbed gray finish except wall fixture shown above, which is yellow, repeating the narrow yellow

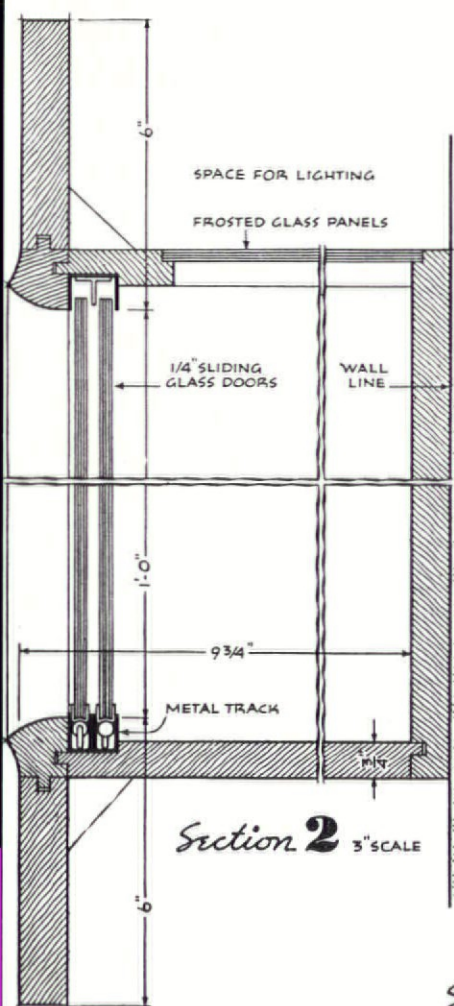
stripe set in the black linoleum floor. All fixtures, including those in the lobby, were proportioned to display a particular type of merchandise (jewelry, handbags, luggage) to fullest advantage.



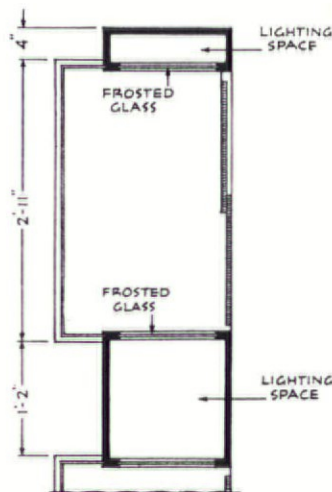
Half Elevation 1/2" SCALE



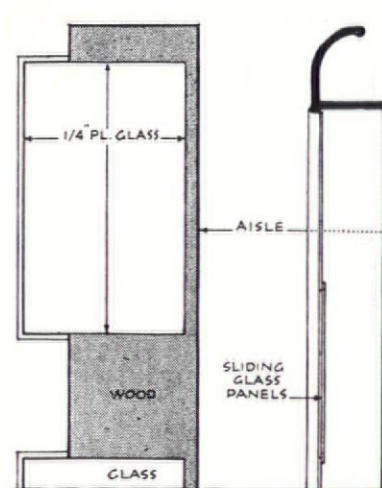
Section 1/2" SCALE



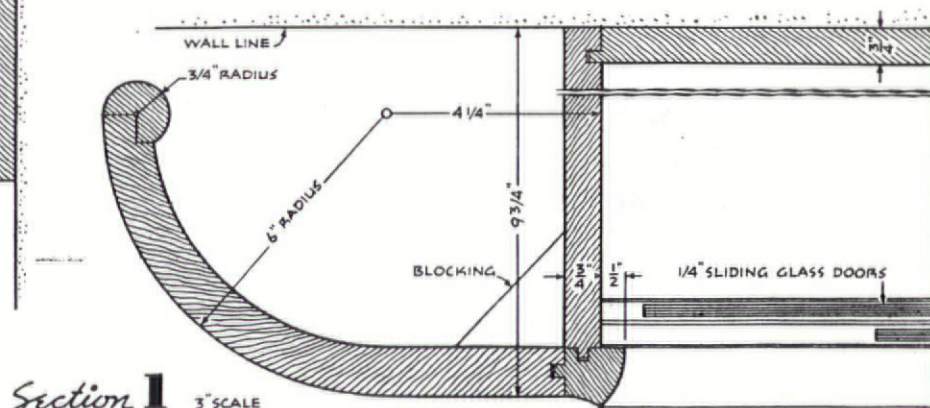
Section 2 3" SCALE



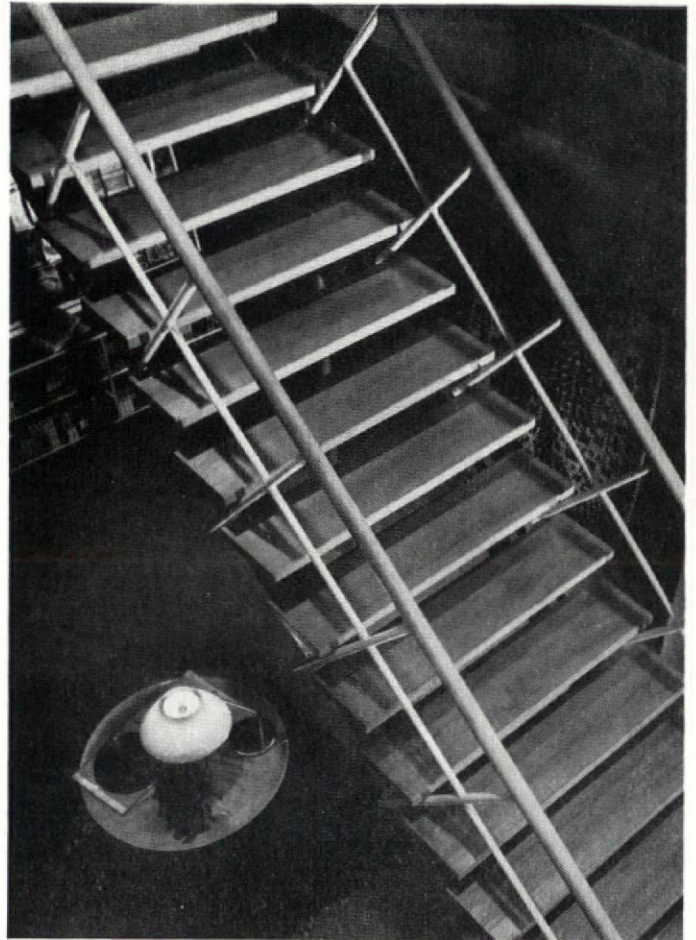
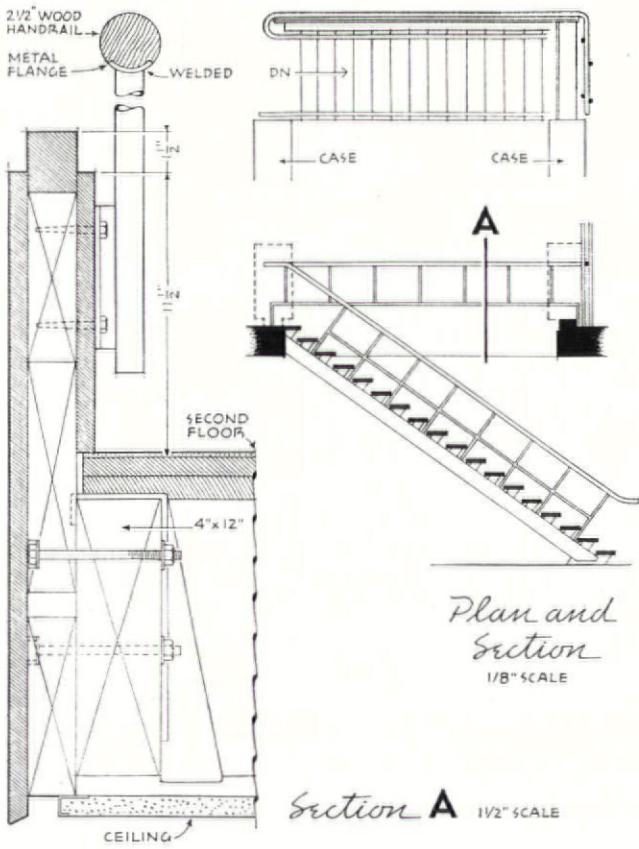
Plan thru Counter



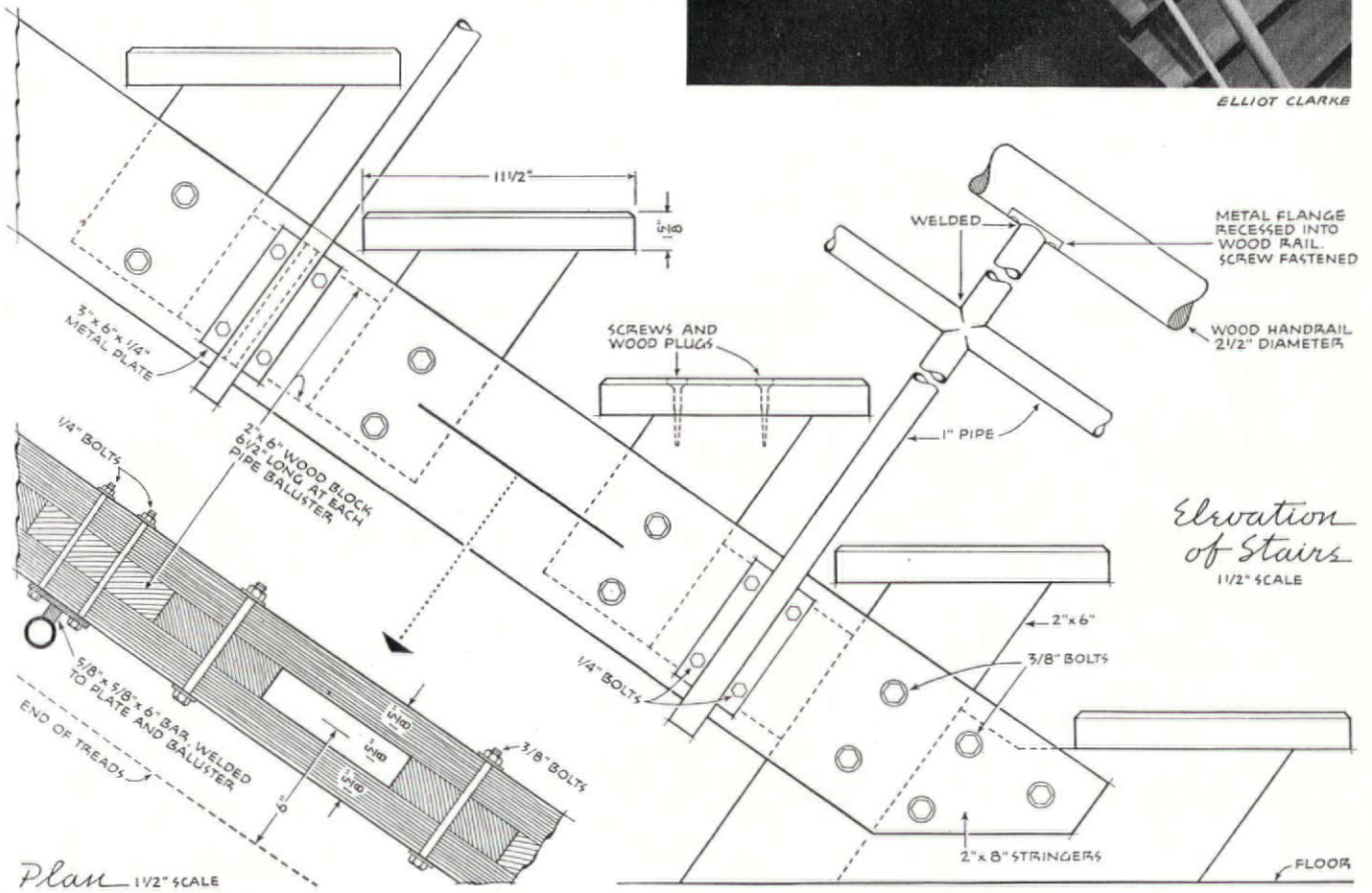
Plan above Counter

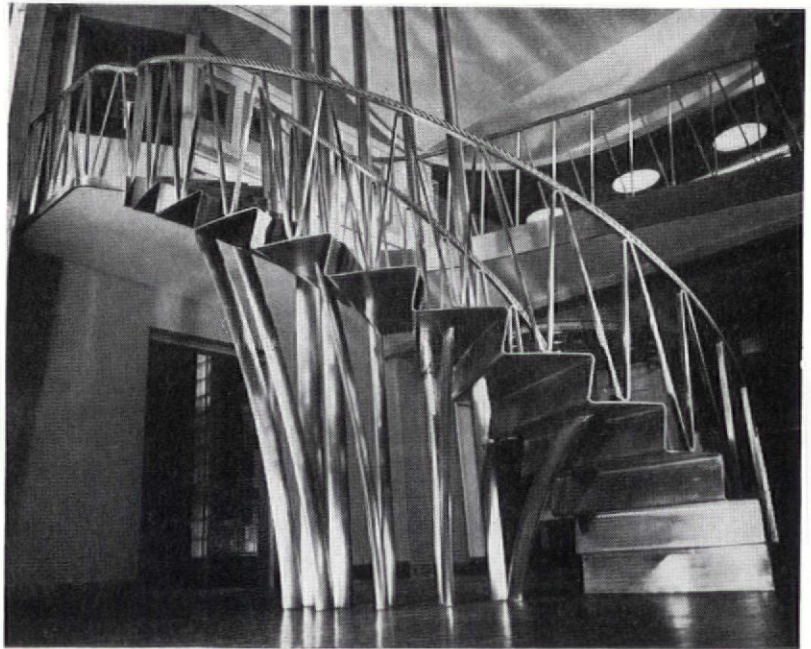
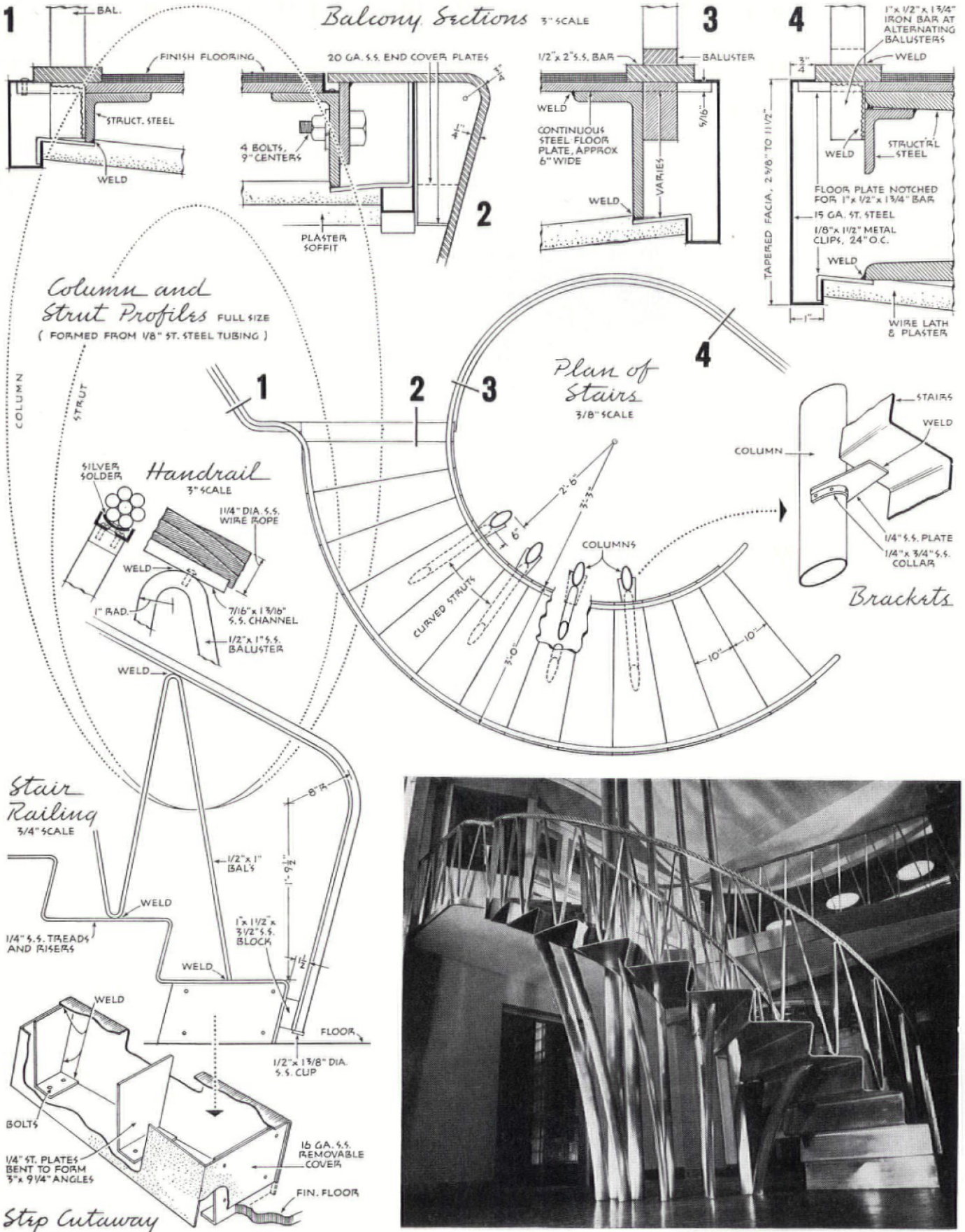


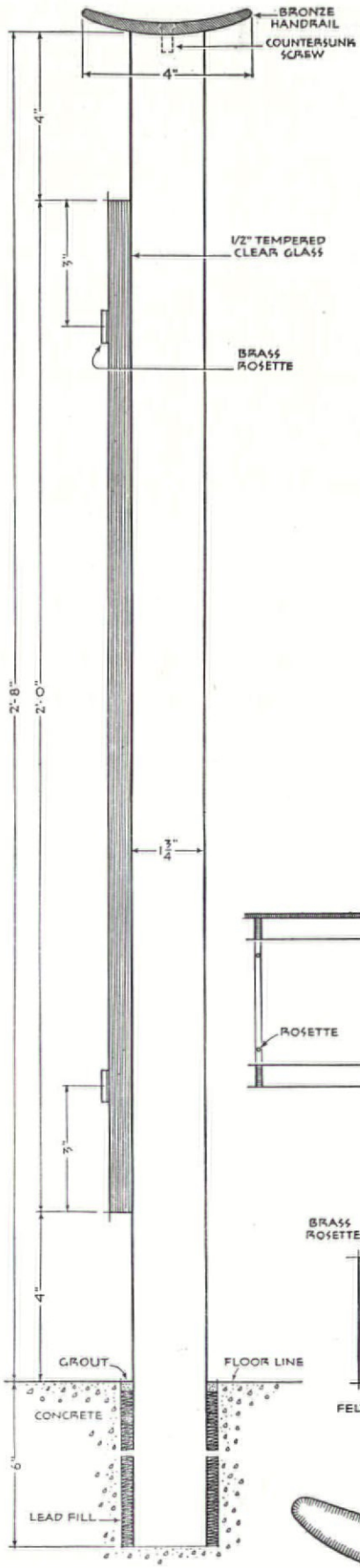
Section 1 3" SCALE



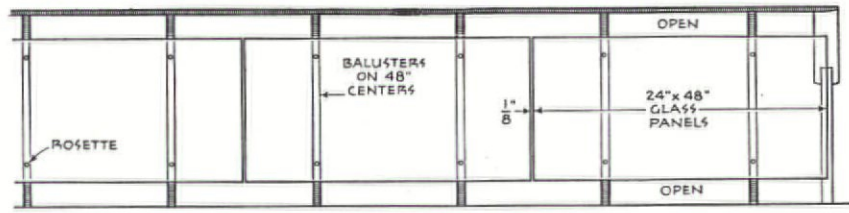
ELLIOT CLARKE



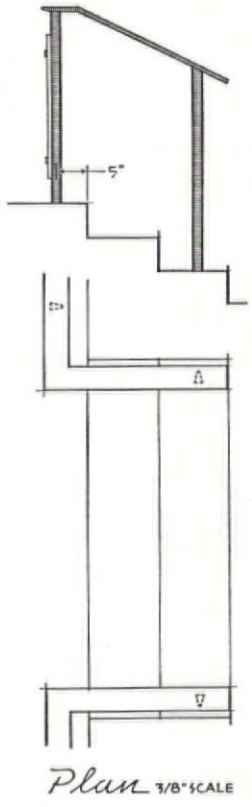
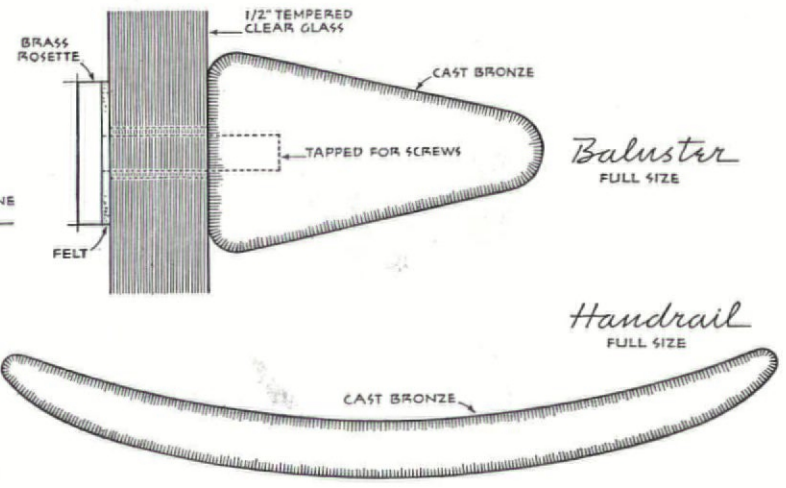




ELLIOT CLARKE

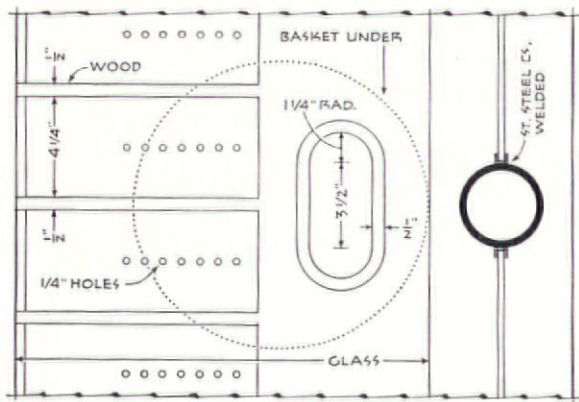
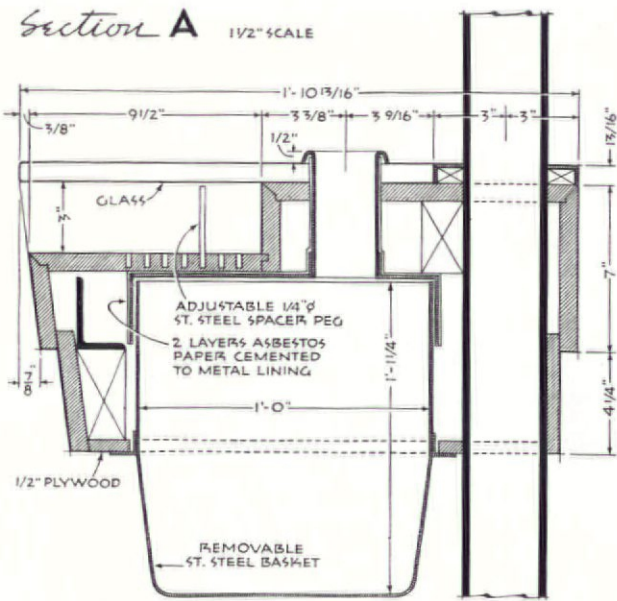


Elevation and section 3/8" SCALE

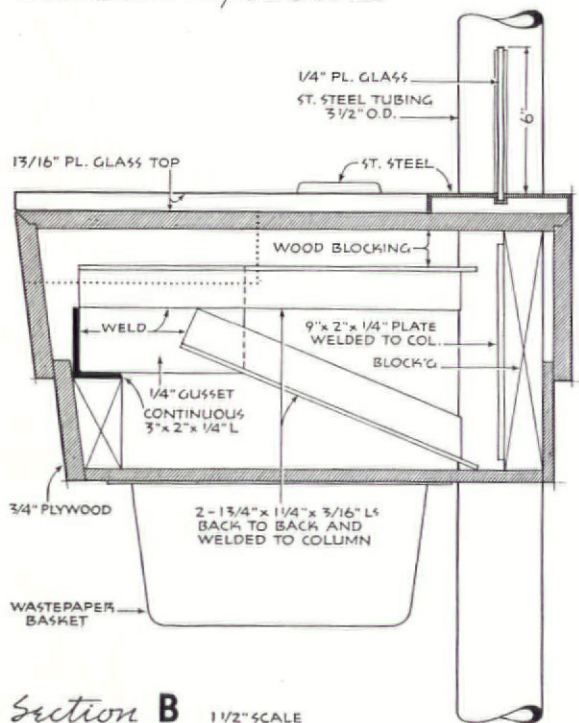


Rail Section 3/8" SCALE

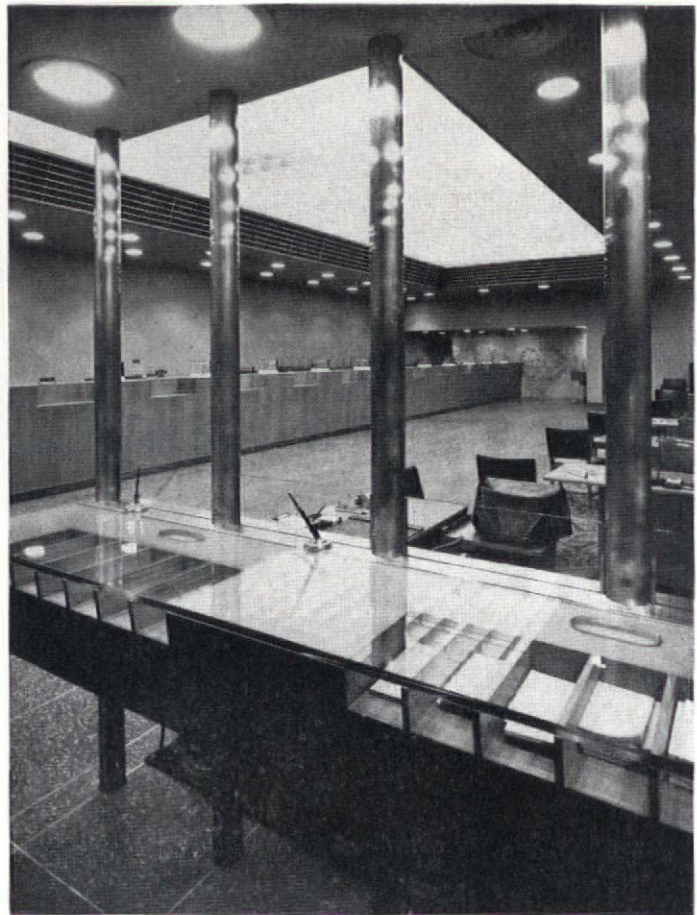
Section A 1/2" SCALE



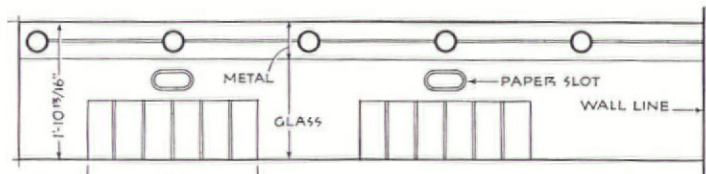
Plan at Paper Slot



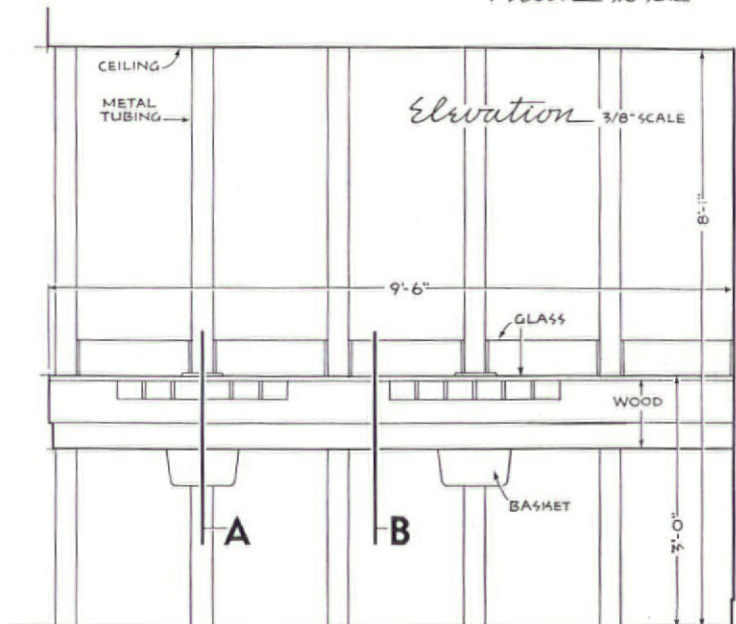
Section B 1/2" SCALE



R. MARVIN WILSON

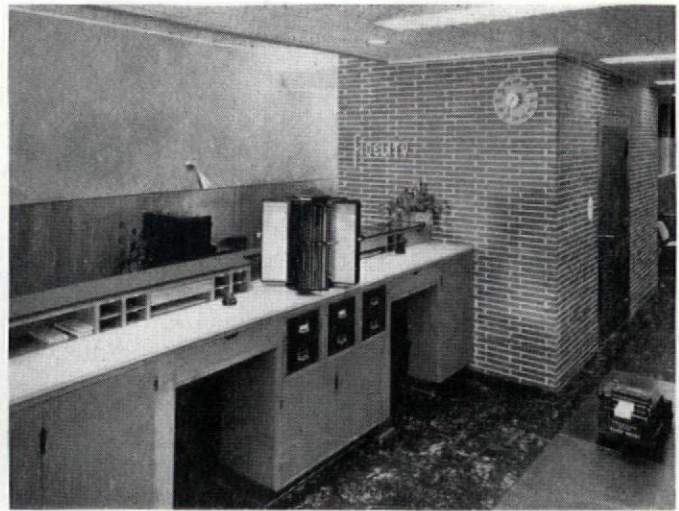
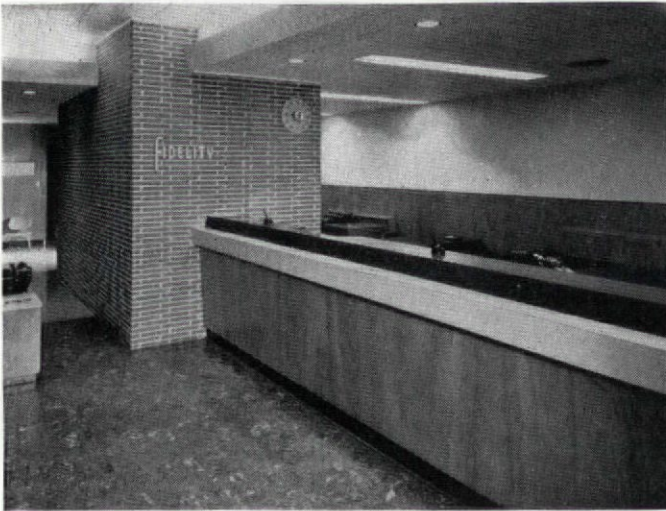


Plan 3/8" SCALE

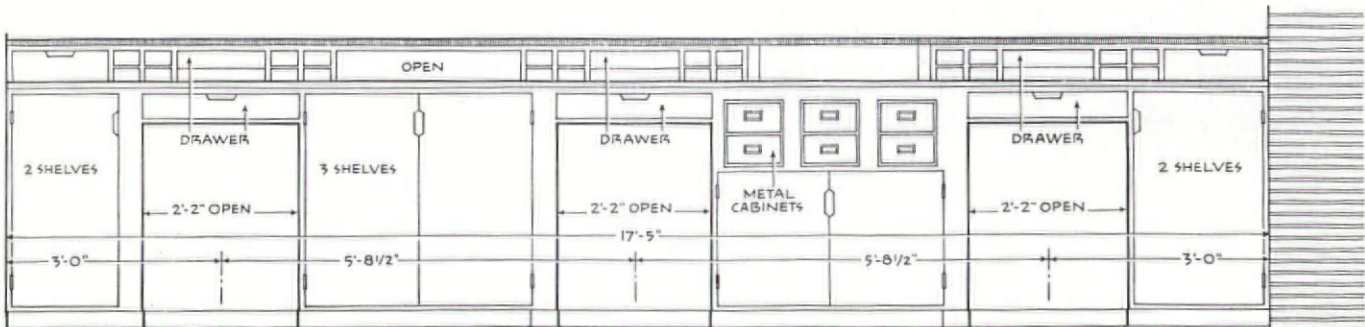
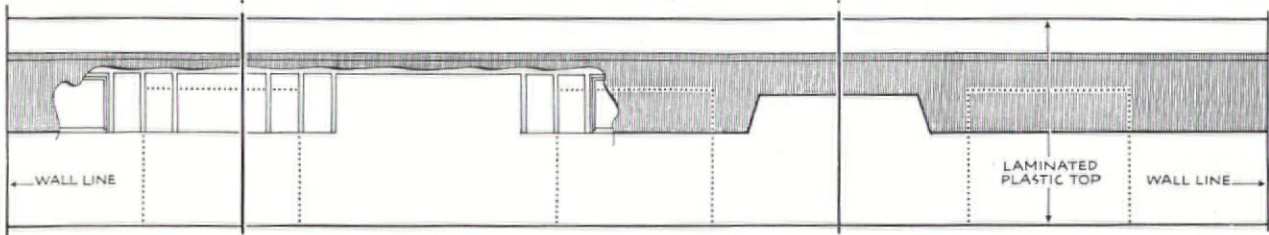
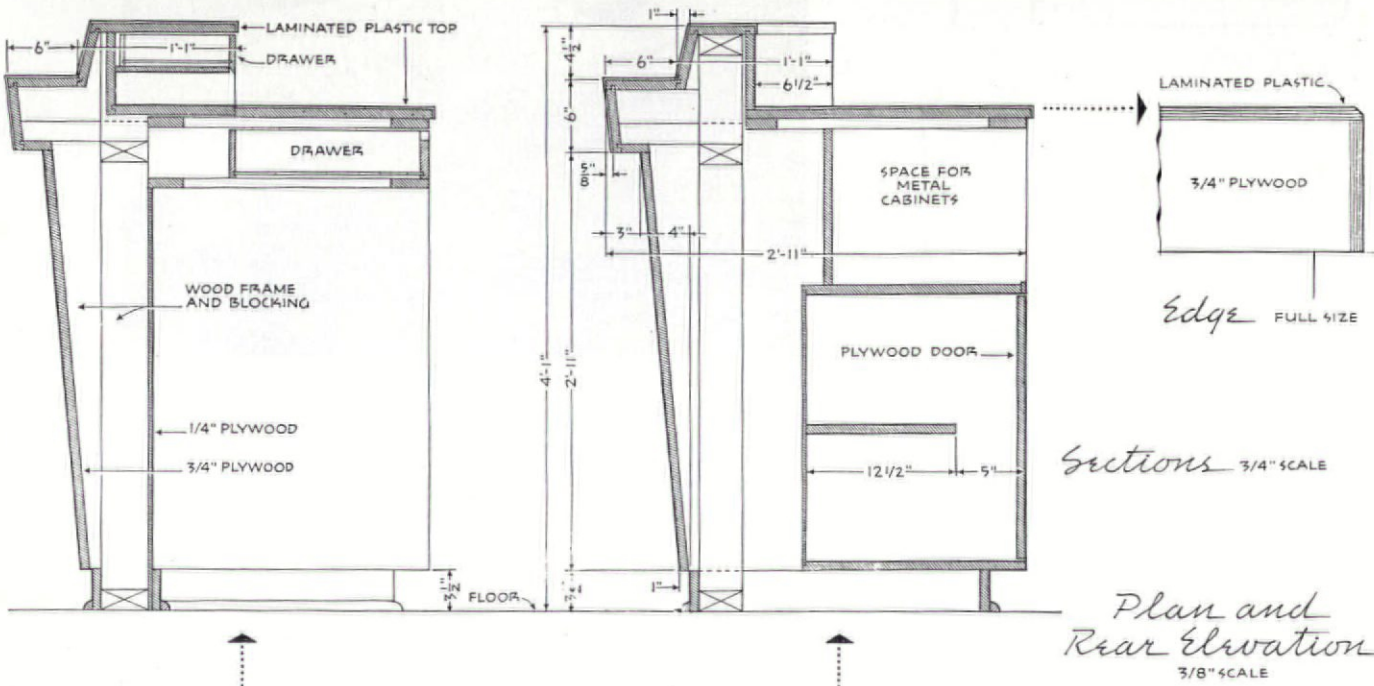


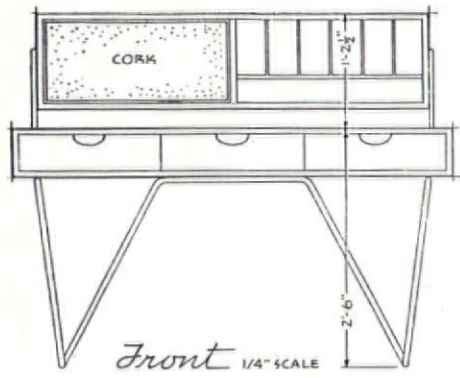
Elevation 3/8" SCALE

BANK: wall bank counter

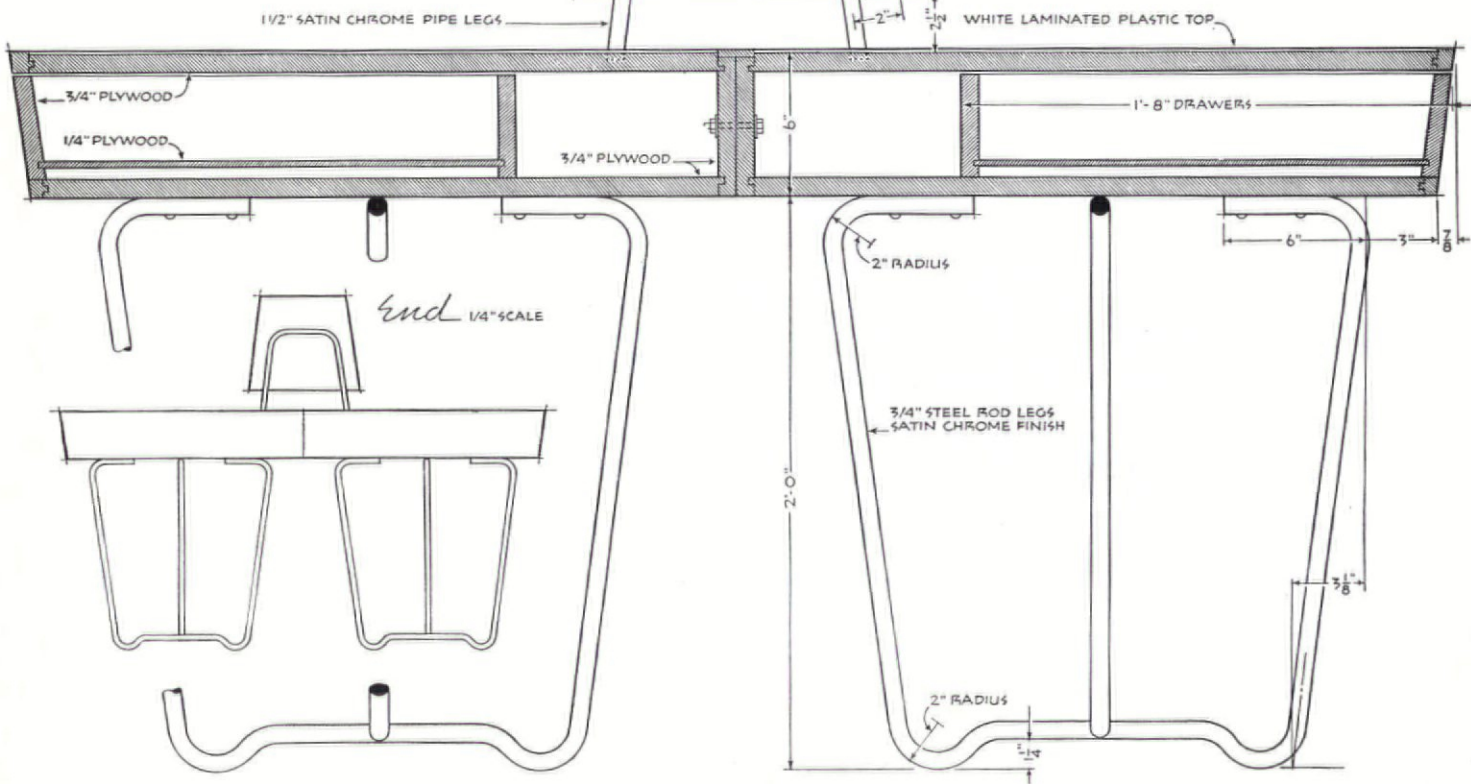
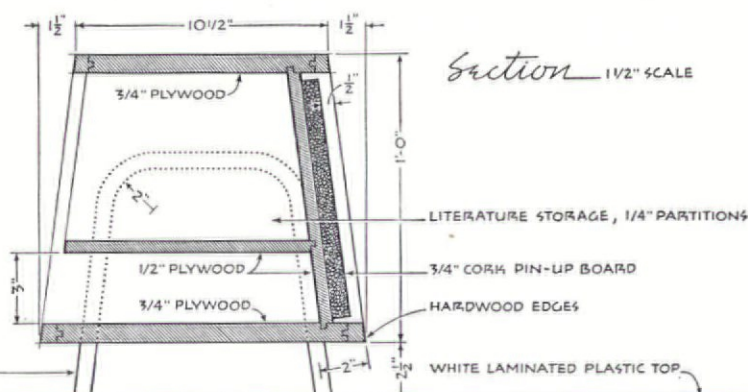
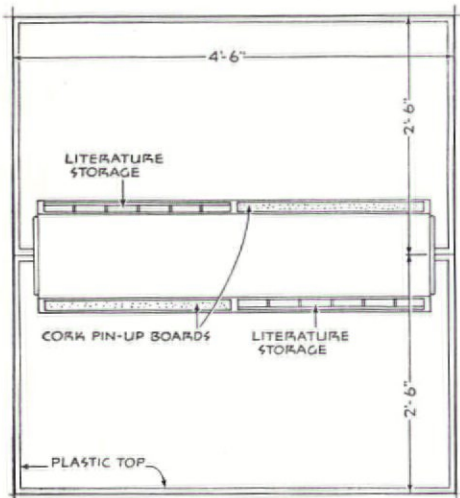


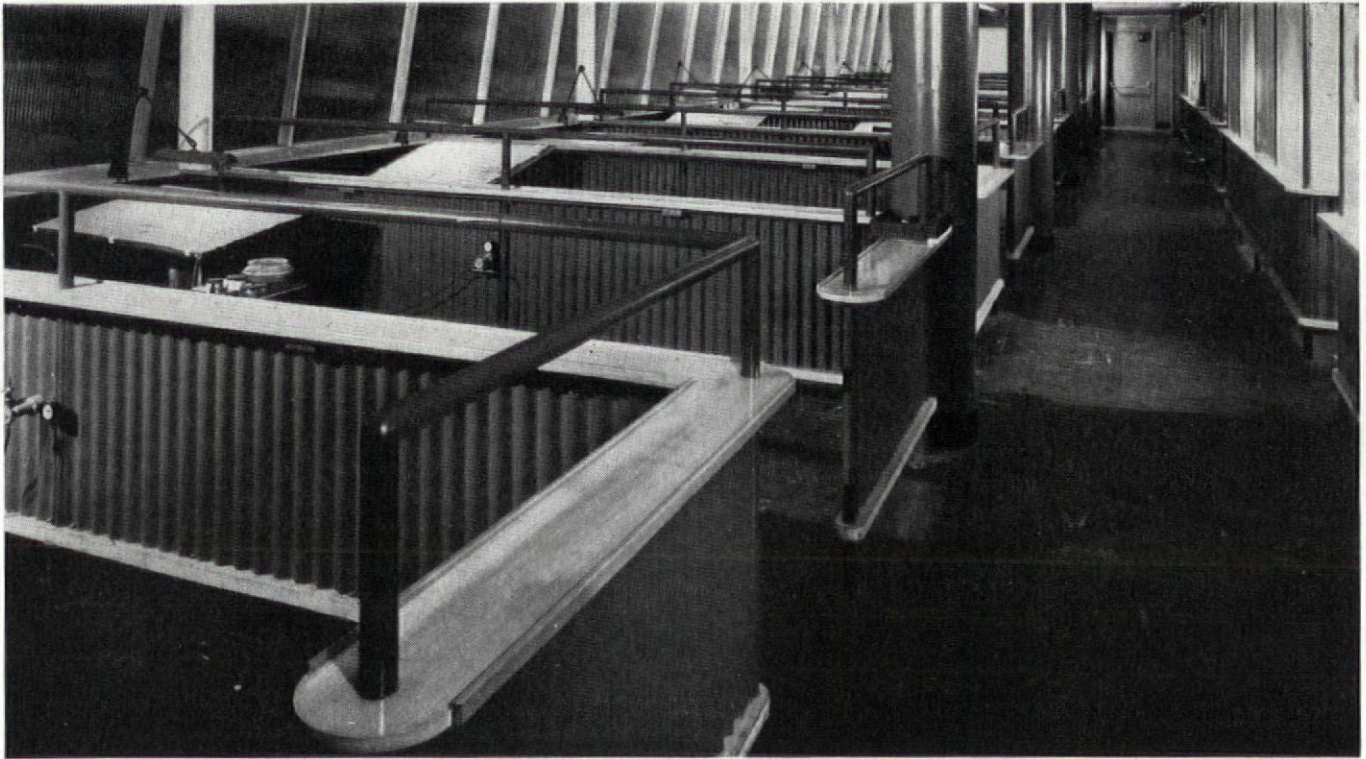
JAMES YARNELL



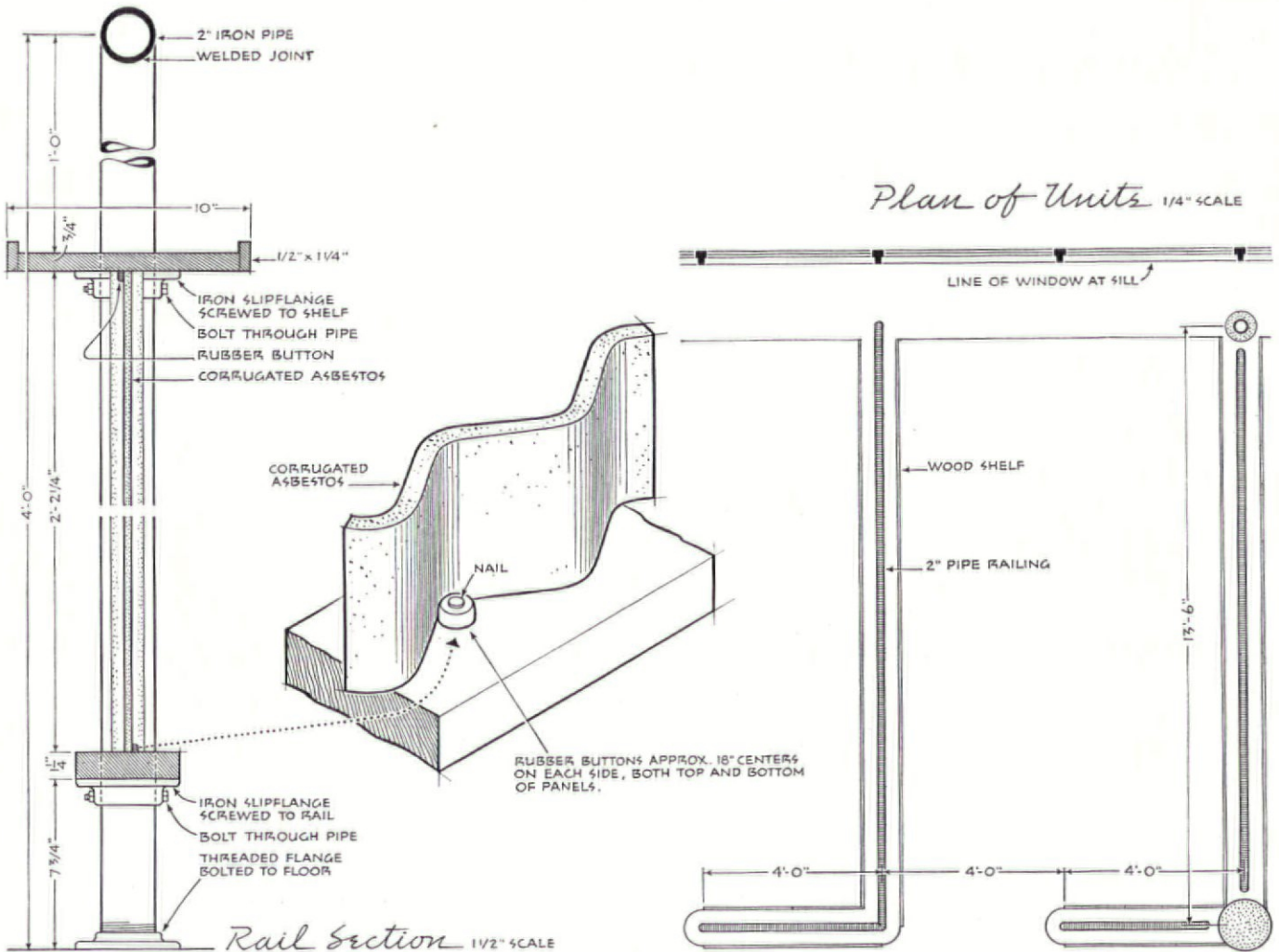


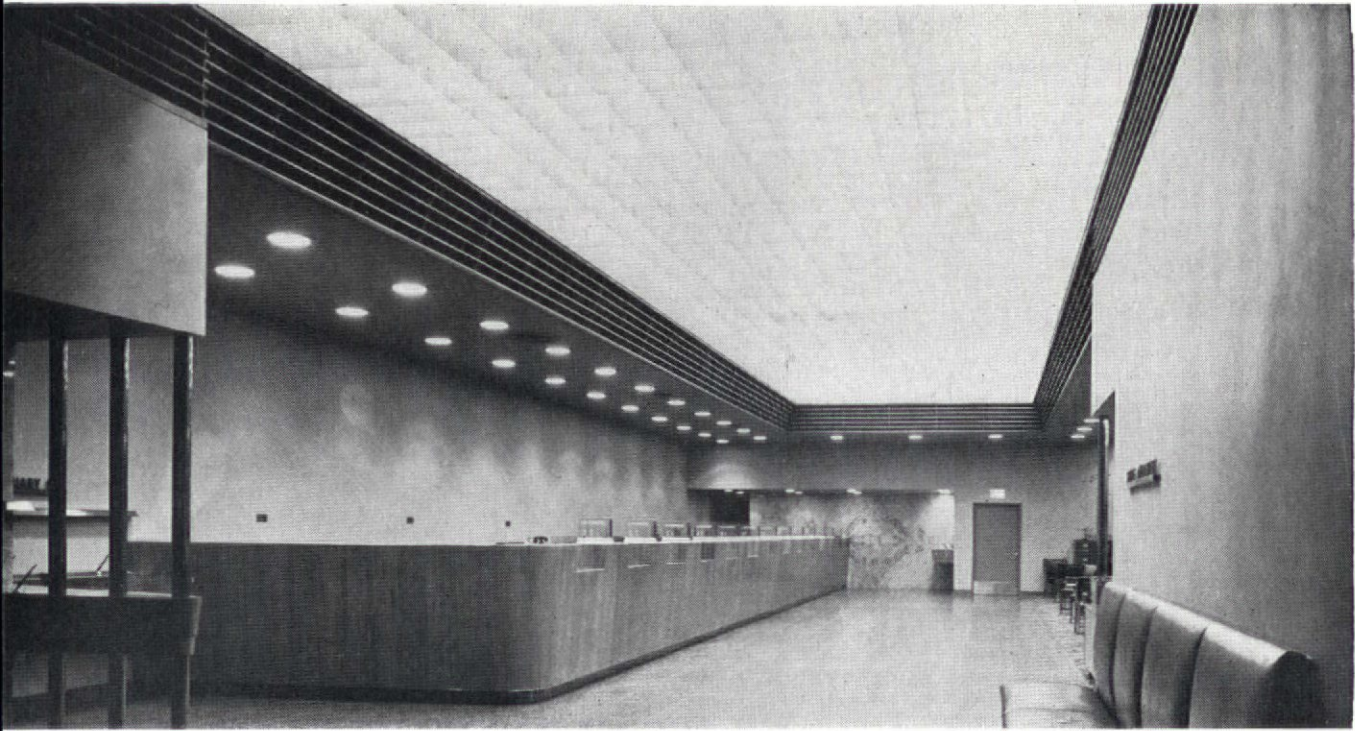
LIONEL FREEDMAN: PICTOR



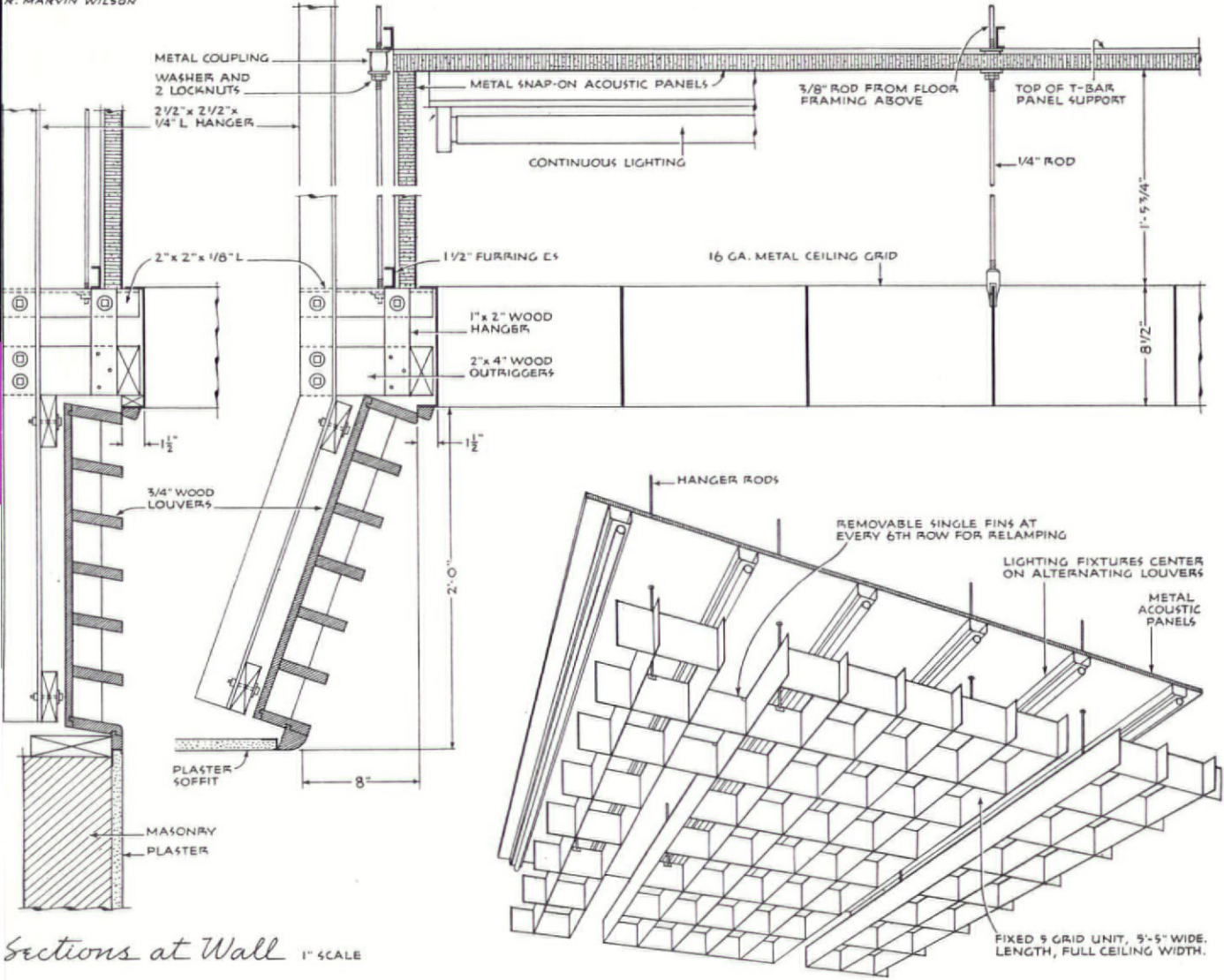


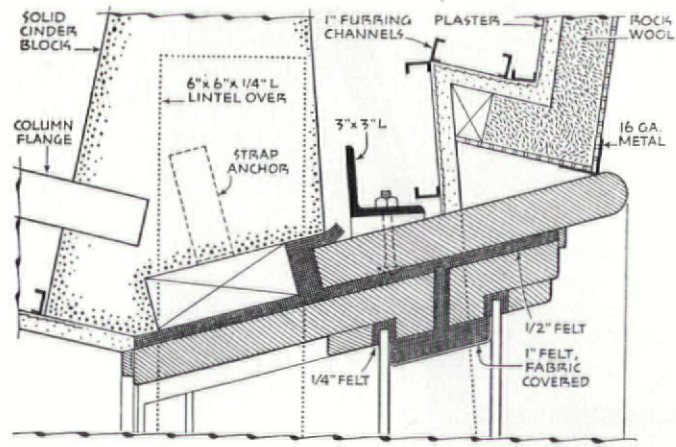
KLING STUDIOS



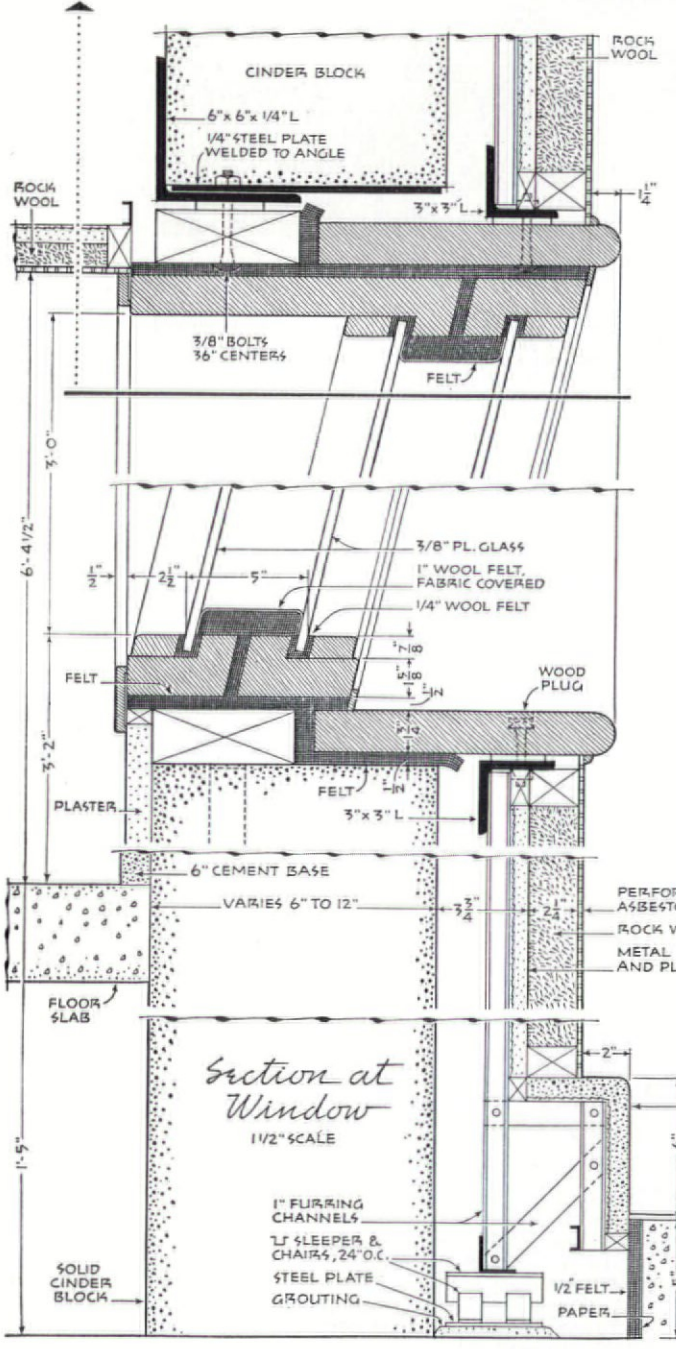


R. MARVIN WILSON

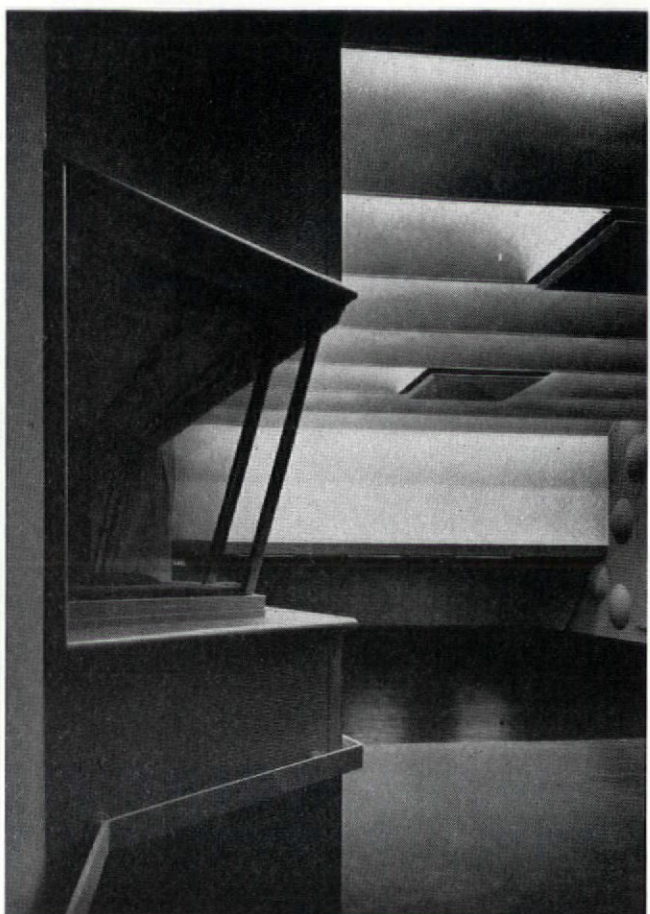




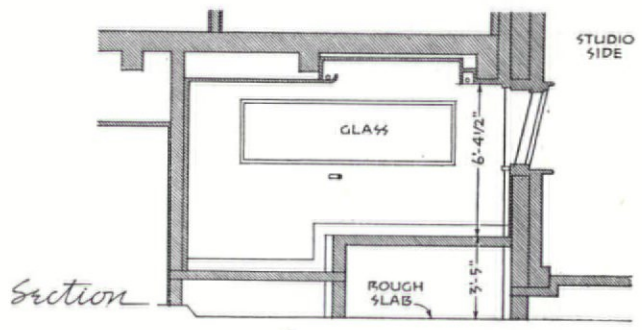
Plan at Jamb



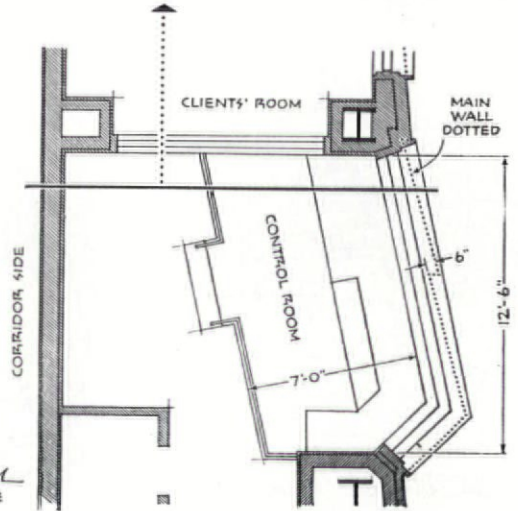
Section at Window
1/2\"/>



GOTTSCHO - SCHLEISNER

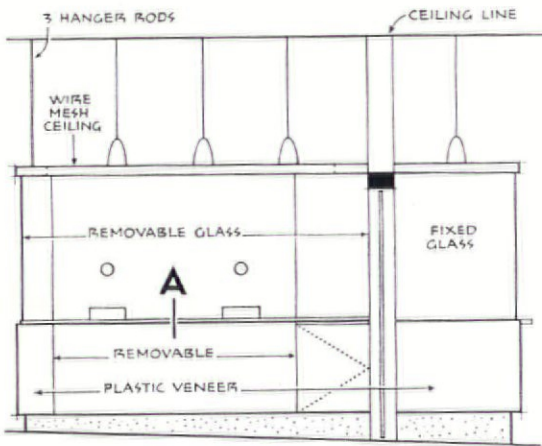
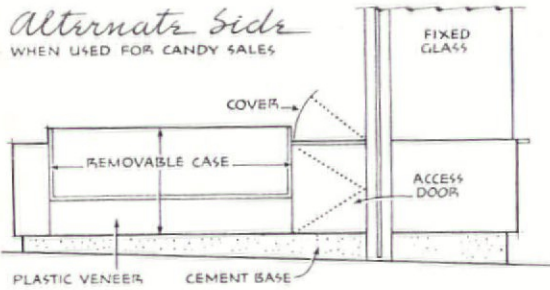


Section



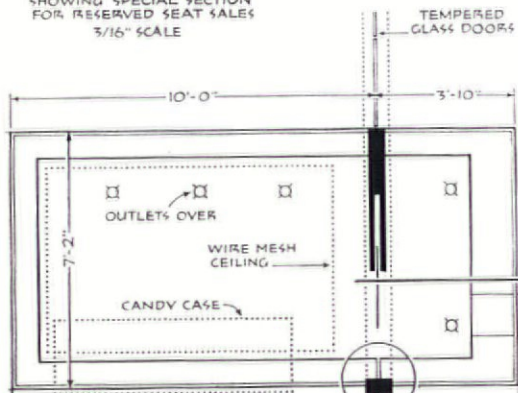
Plan
1/8\"/>

Alternate Side
WHEN USED FOR CANDY SALES

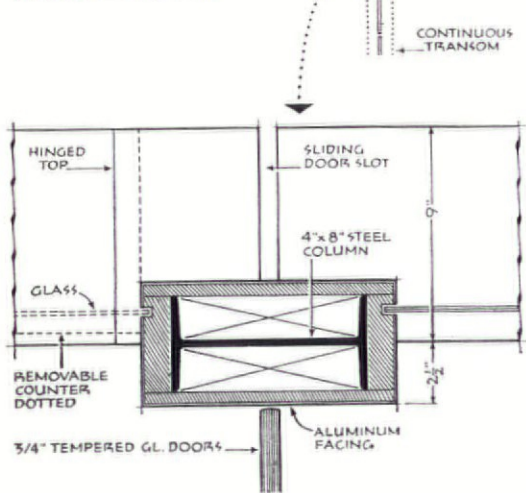


Side Elevation

SHOWING SPECIAL SECTION FOR RESERVED SEAT SALES
3/16" SCALE



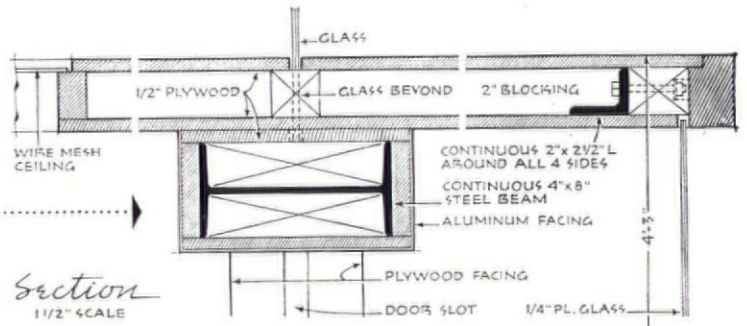
Plan 3/16" SCALE



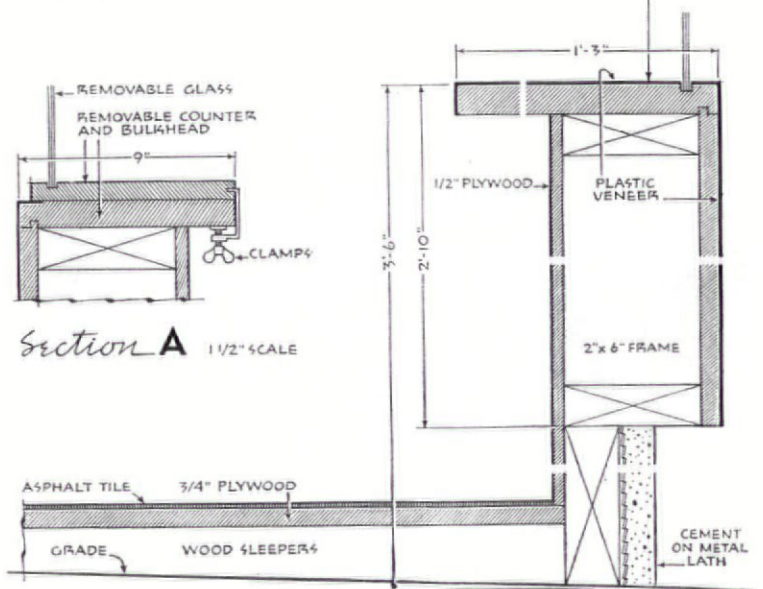
Plan thru Mullion 1/2" SCALE



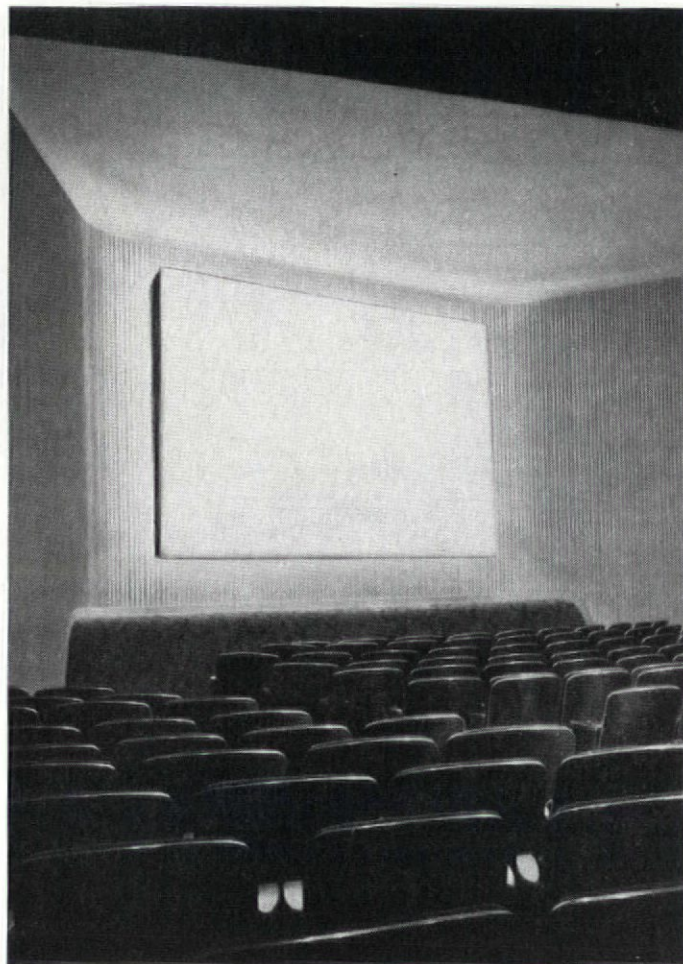
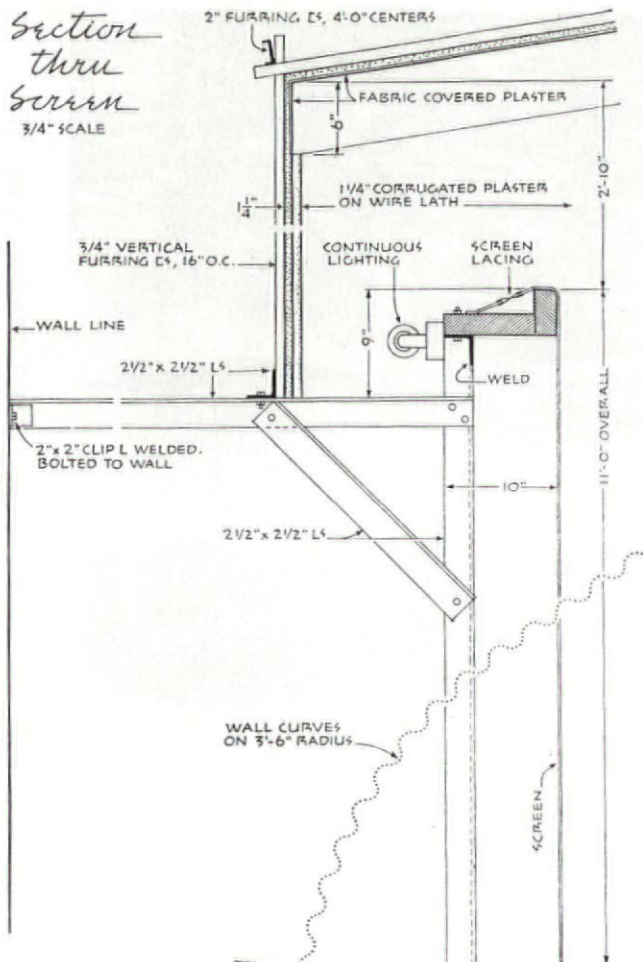
GEORGE M. CUSHING, JR.



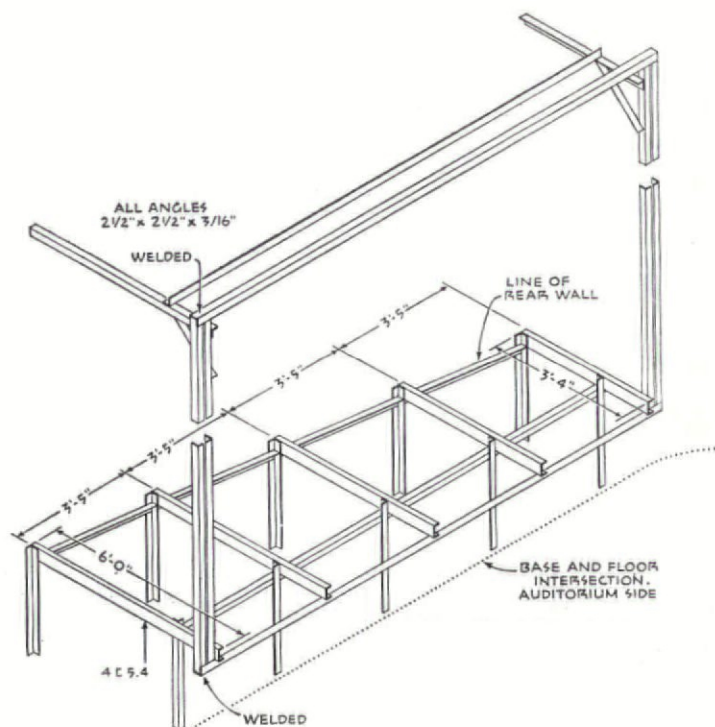
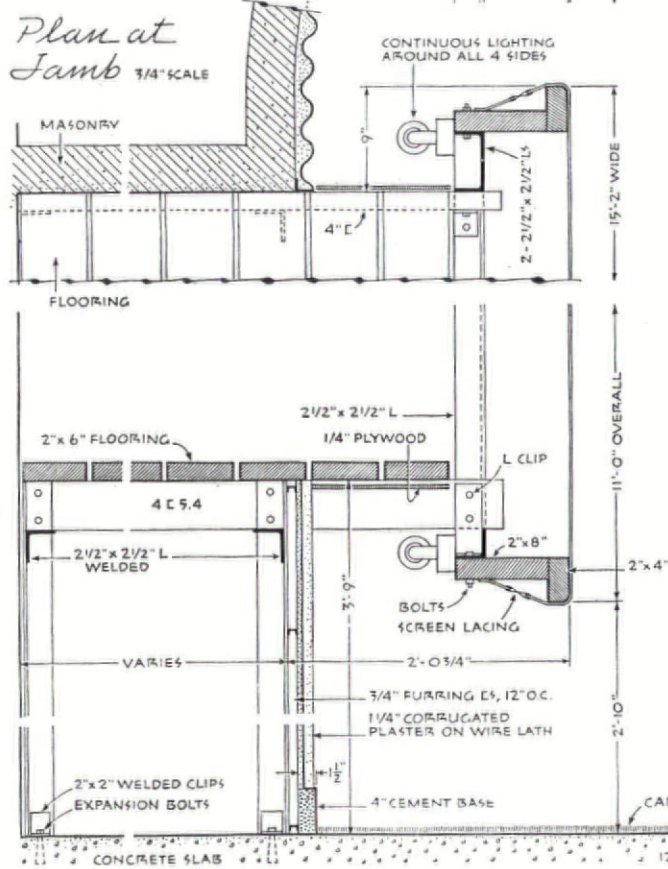
Section 1 1/2" SCALE



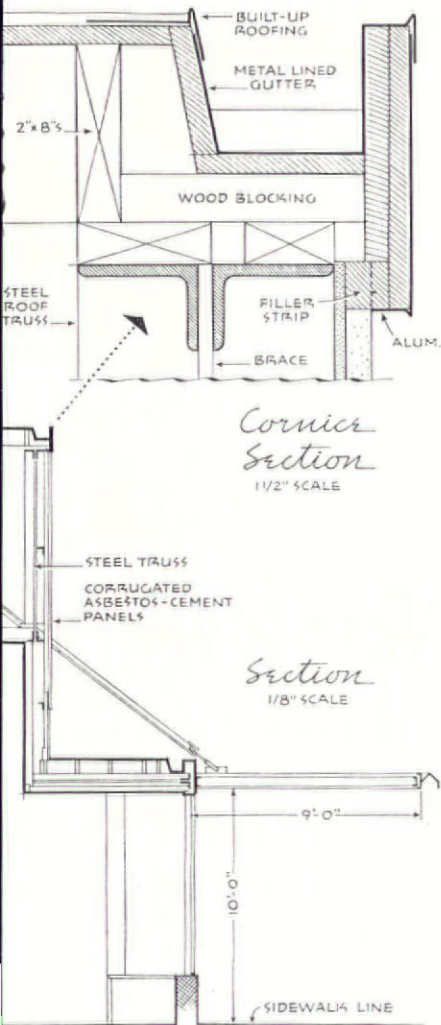
Section A 1 1/2" SCALE



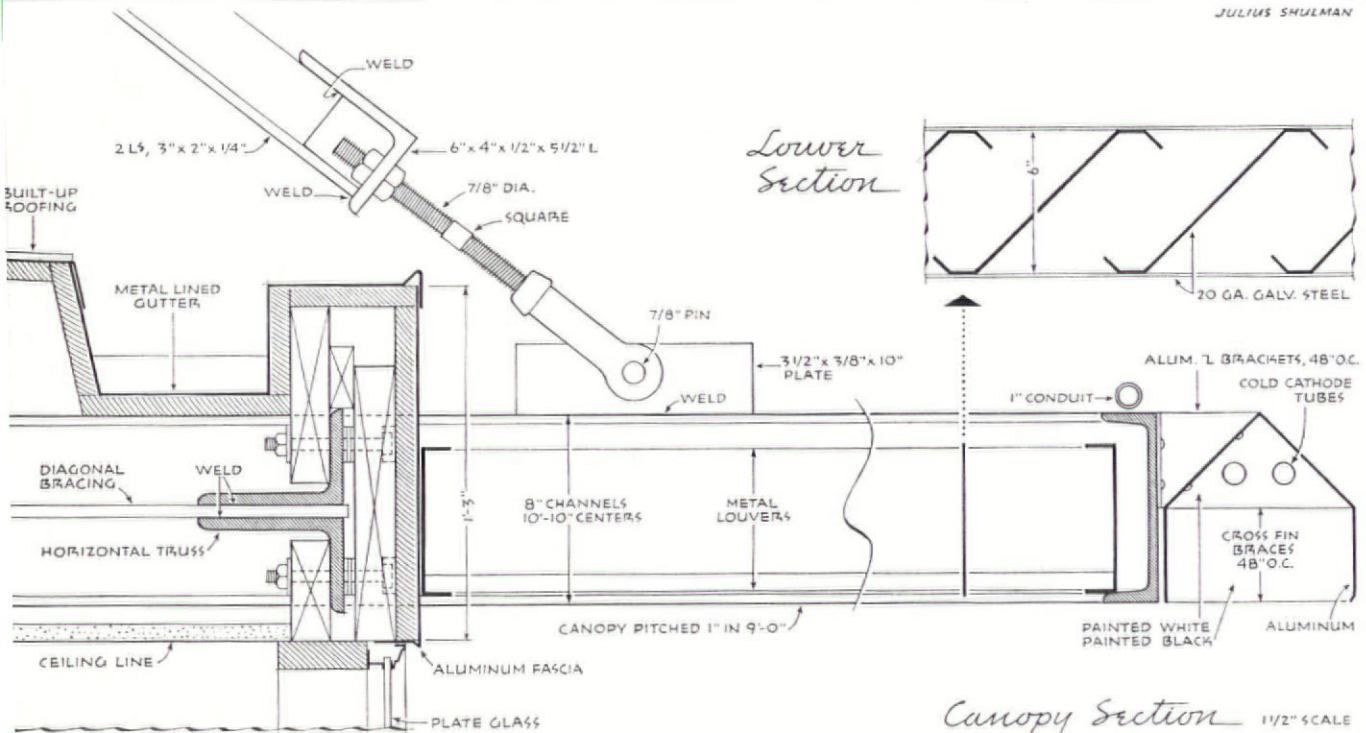
ELLIOT CLARKE

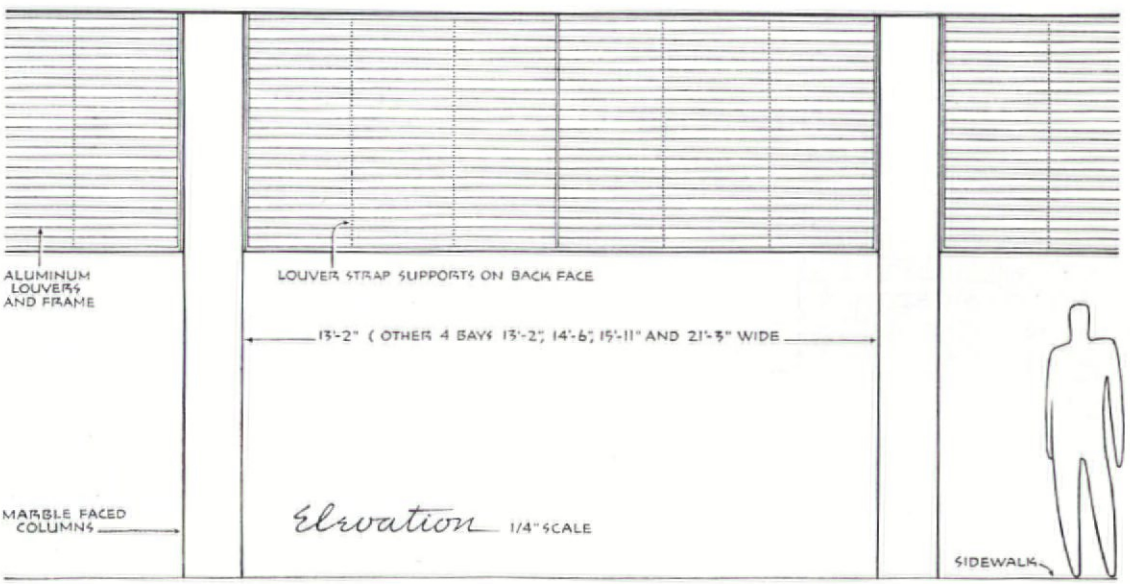
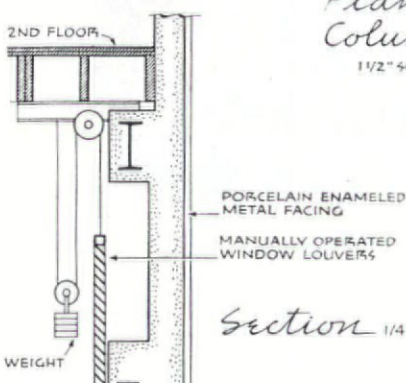
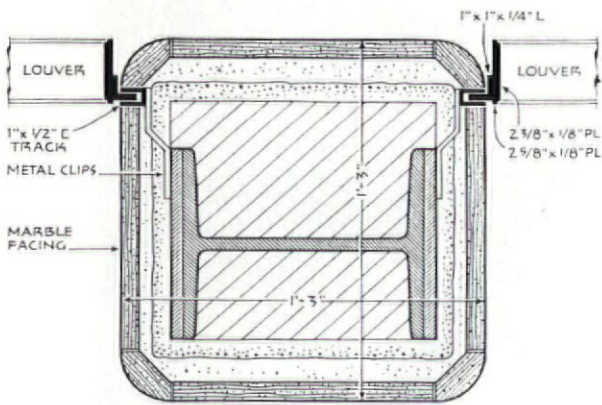
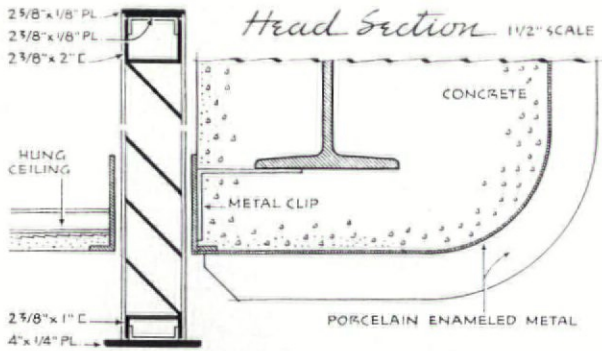


Detail of Steel Frame



JULIUS SHULMAN

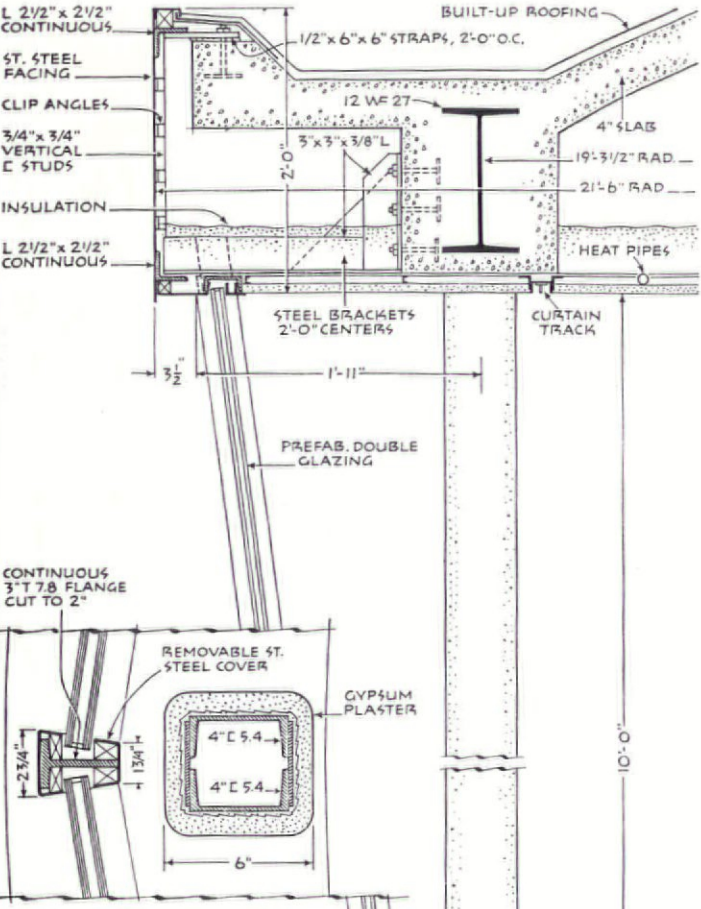




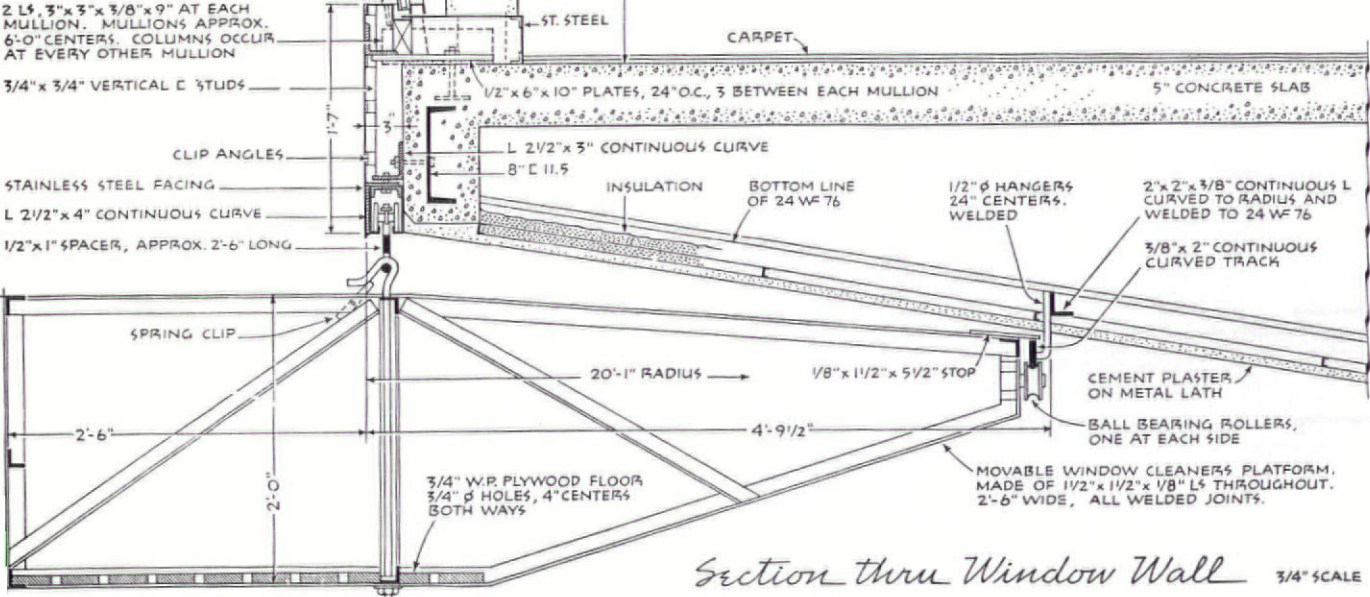
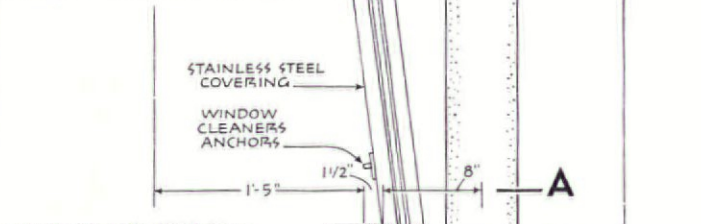
ROGER STURTEVANT



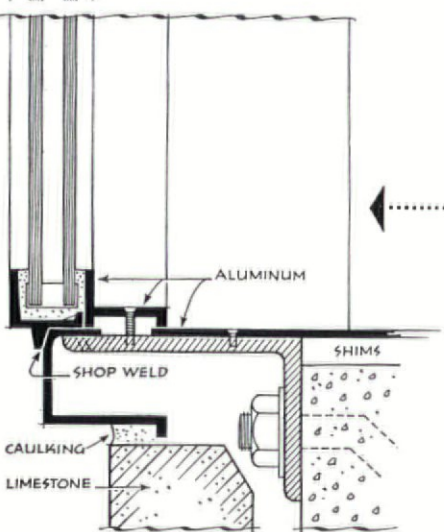
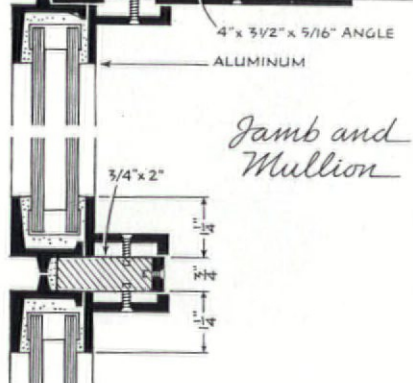
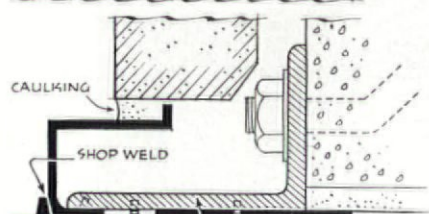
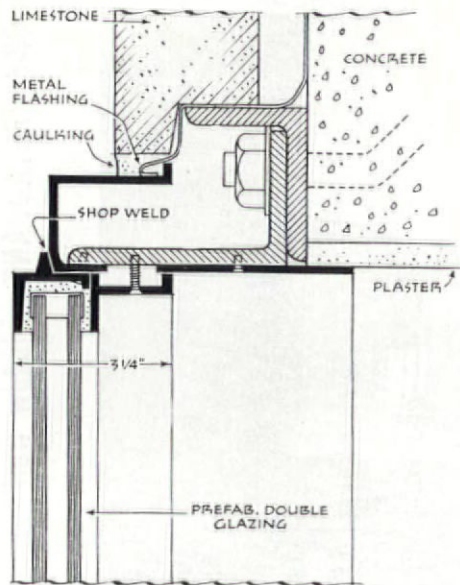
KEN RARICH



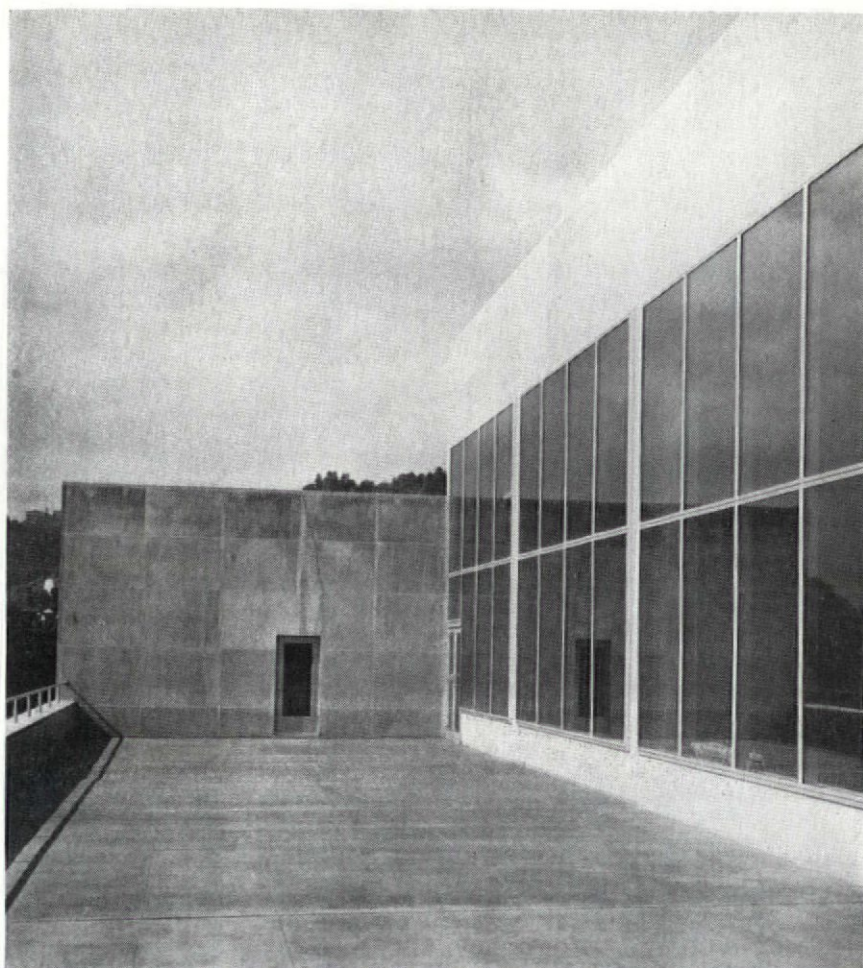
Plan at A 1/2" SCALE



Section thru Window Wall 3/4" SCALE

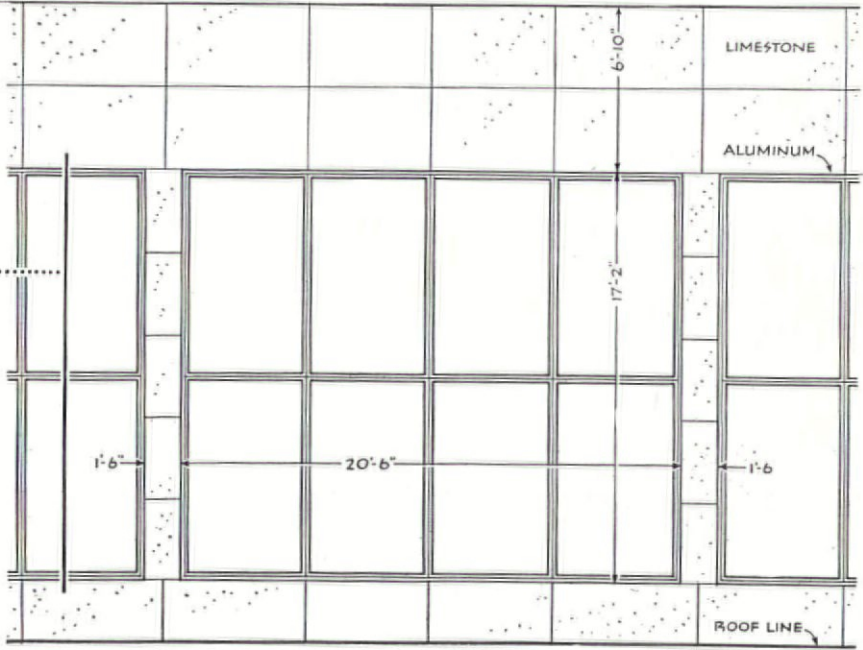


Window Section 3" SCALE



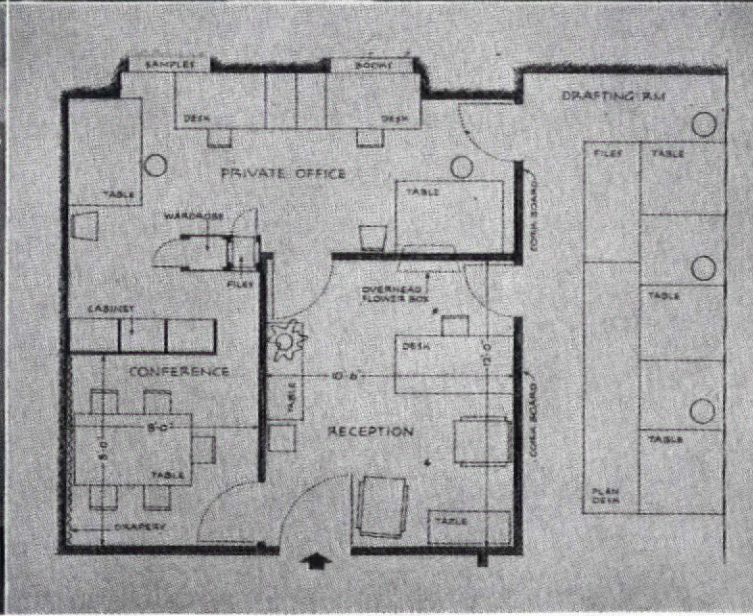
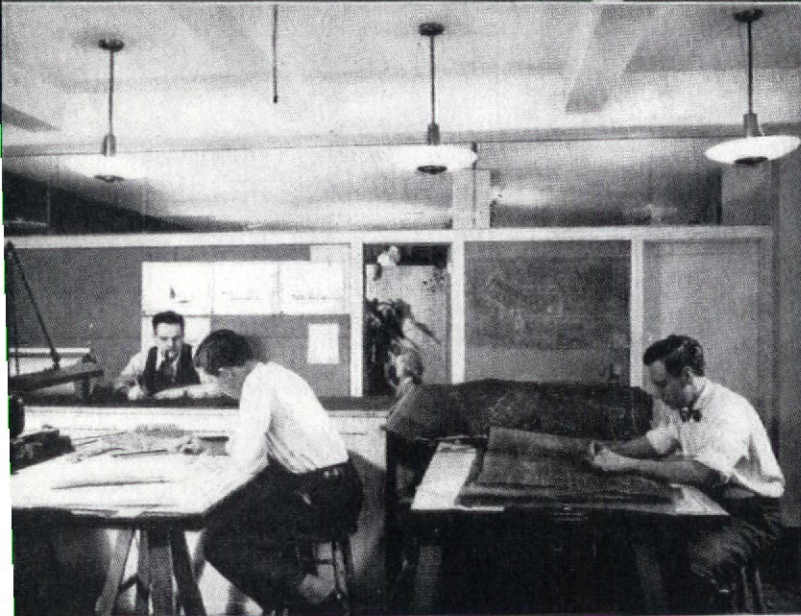
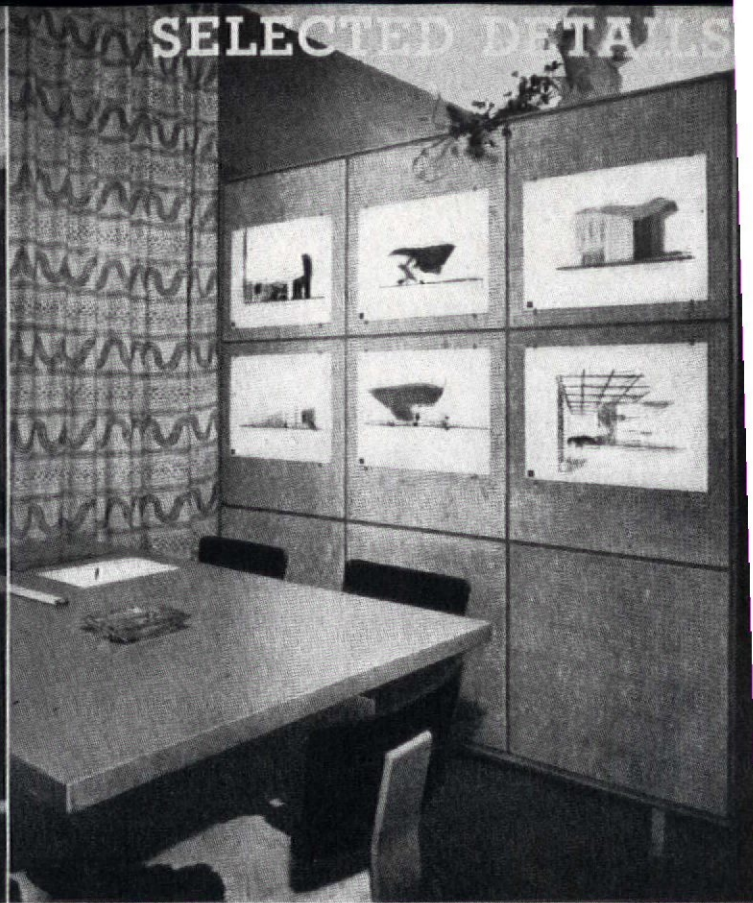
K. E. RICHARDSON

Elevation 1/8" SCALE



OREGONIAN BUILDING
Portland, Oregon

PIETRO BELLUSCHI
Architect



Photos by P. A. Dearborn

INTERIOR OFFICE DEVELOPMENT

ARCHITECT'S OWN OFFICE
NEW YORK, N. Y.

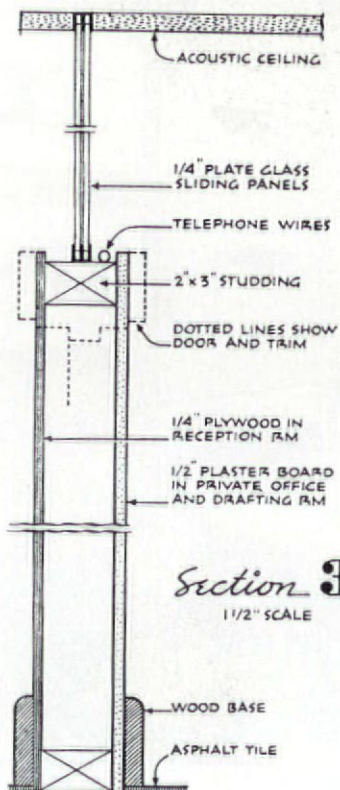
REISNER & URBAHN
Architects

Interior office space, 20-odd ft. from windows, required special treatment:
Partitions door height, sliding glass above for light, ventilation, unity
Portable cases separate office, conference room; simplify any future moves
Conventional techniques and materials used throughout to reduce costs

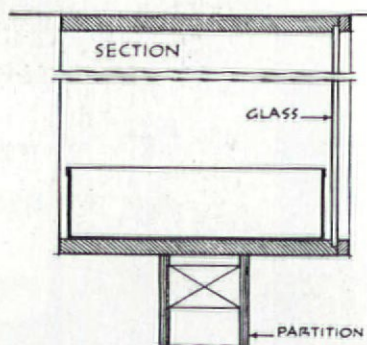
Result: Contemporary design approach provides good working conditions and surroundings which impress clients favorably.

Photos show, top left, reception; top right, conference; below, drafting room.

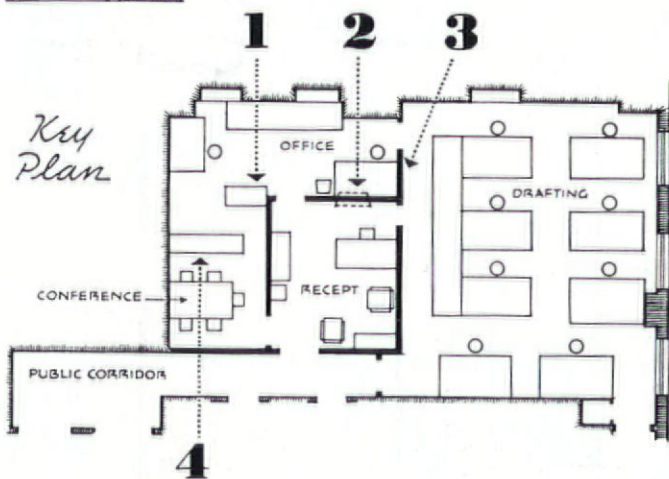
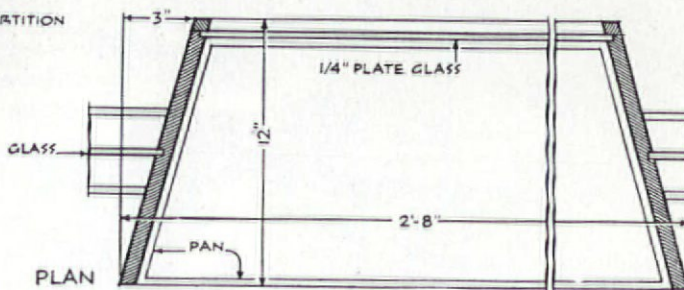
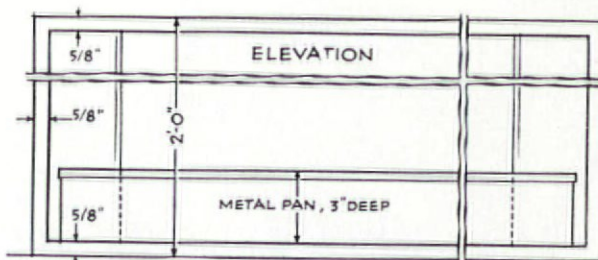
INTERIOR OFFICE



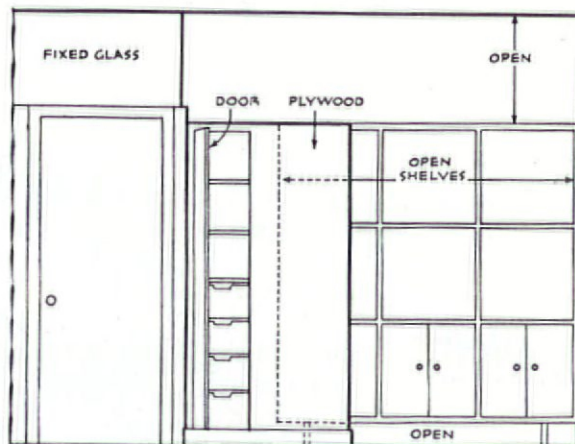
Section 3
1 1/2" SCALE



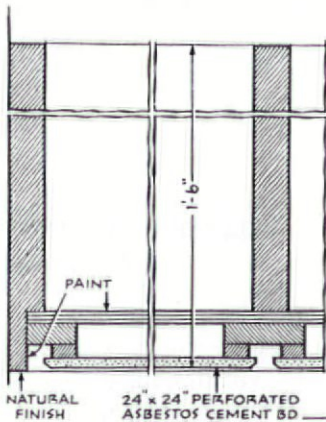
Detail at 2
1 1/2" SCALE



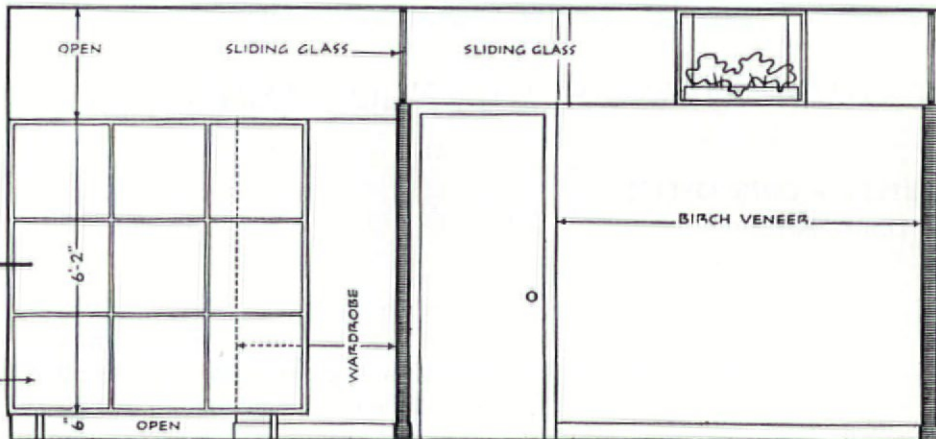
Section at 1 1/4" SCALE



Section at 4 1/4" SCALE



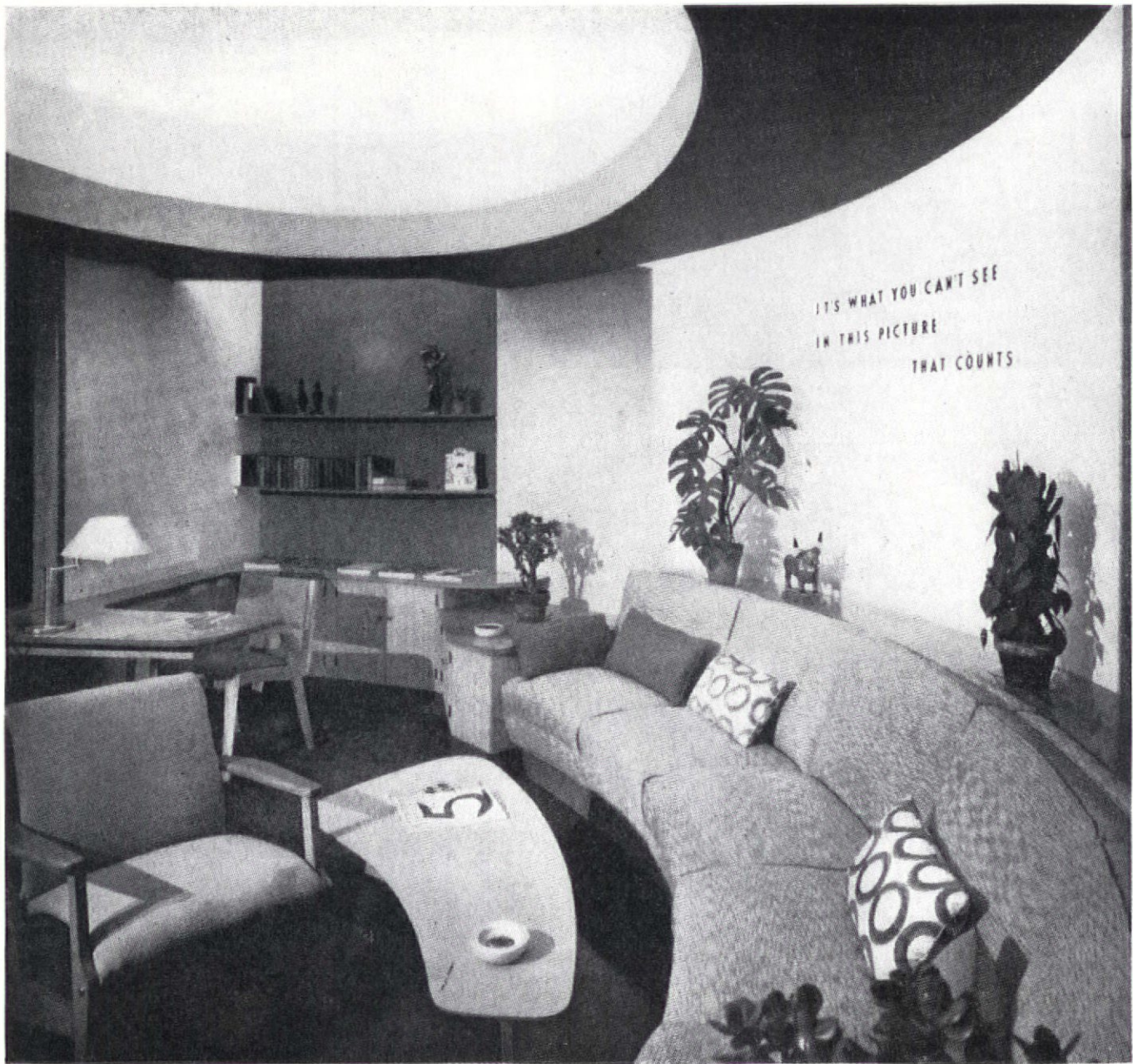
Plan of Cabinet 3" SCALE



ARCHITECT'S OWN OFFICE
NEW YORK, N. Y.

REISNER & URBANH
Architects

DISPLAY OFFICE

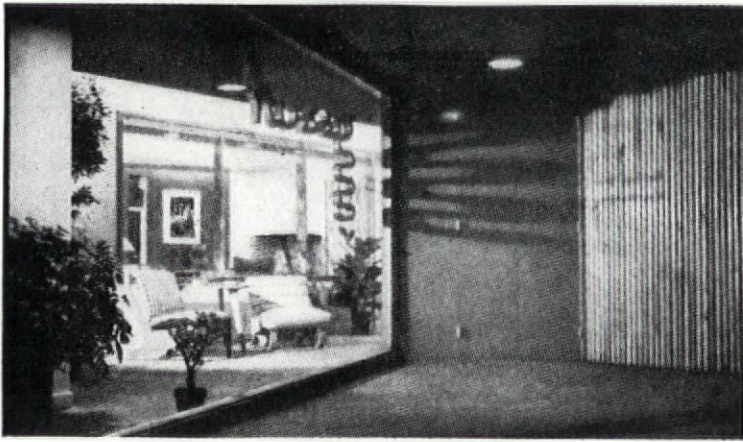


**NO-SAG SPRING CO.
CHICAGO, ILL.**

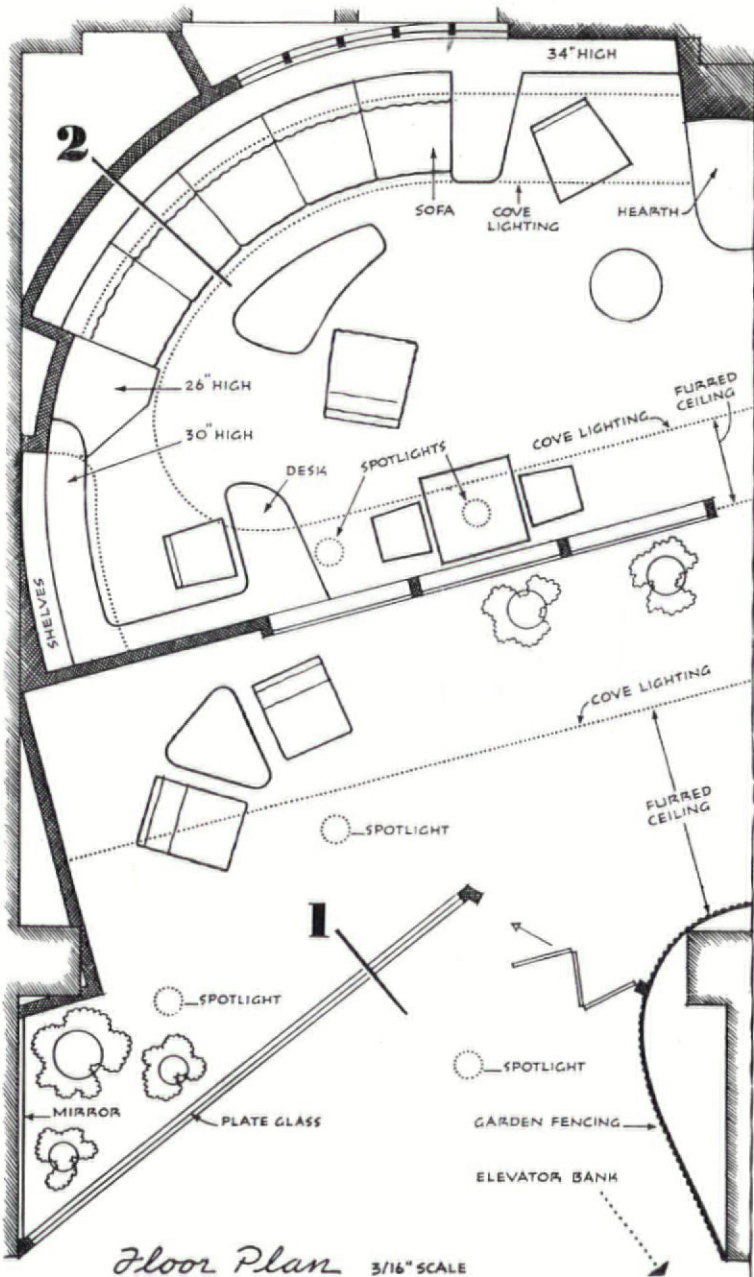
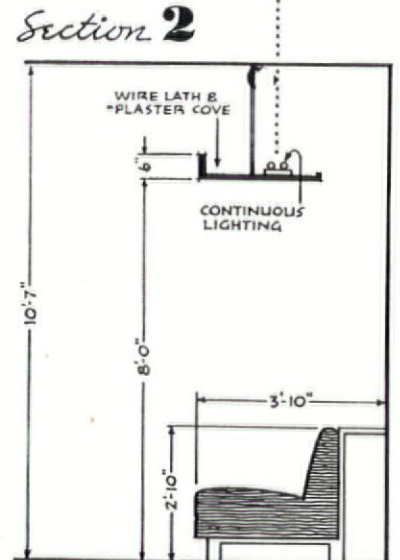
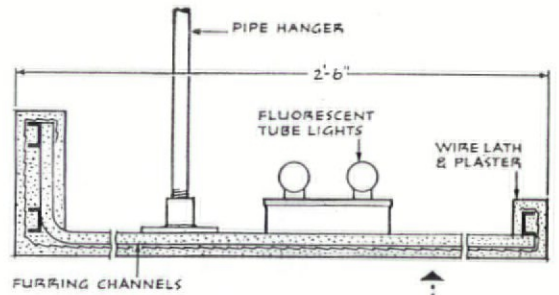
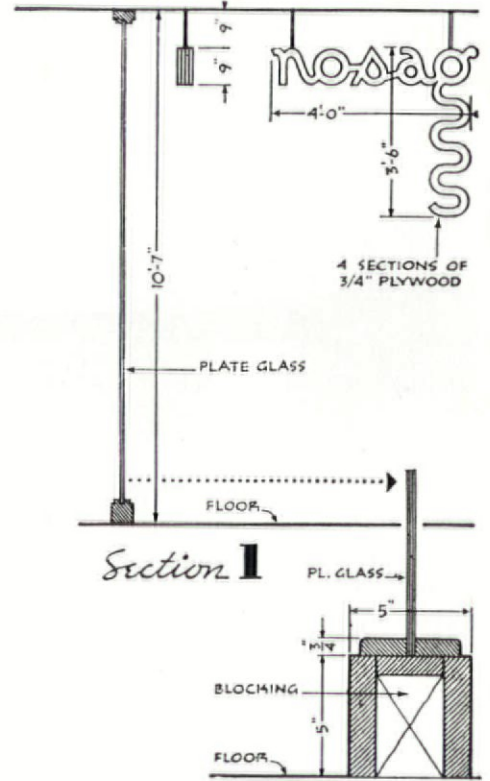
**ALEXANDER GIRARD
Architect**

The problem here was to design offices containing a showroom in which the No-Sag Spring Co. could display its products (springs for upholstered furniture—hence the slogan on the wall); and also, as the plan on the following page shows, to make the full depth of the display space apparent from the elevator lobby. To assist in both purposes, lighting is by means of ceiling coves designed to pull attention to the interior of the space. The lobby wall is full glazed, with an adjacent mirror wall which makes even the remote corners visible from the elevator doors.

Hedrick-Blessing

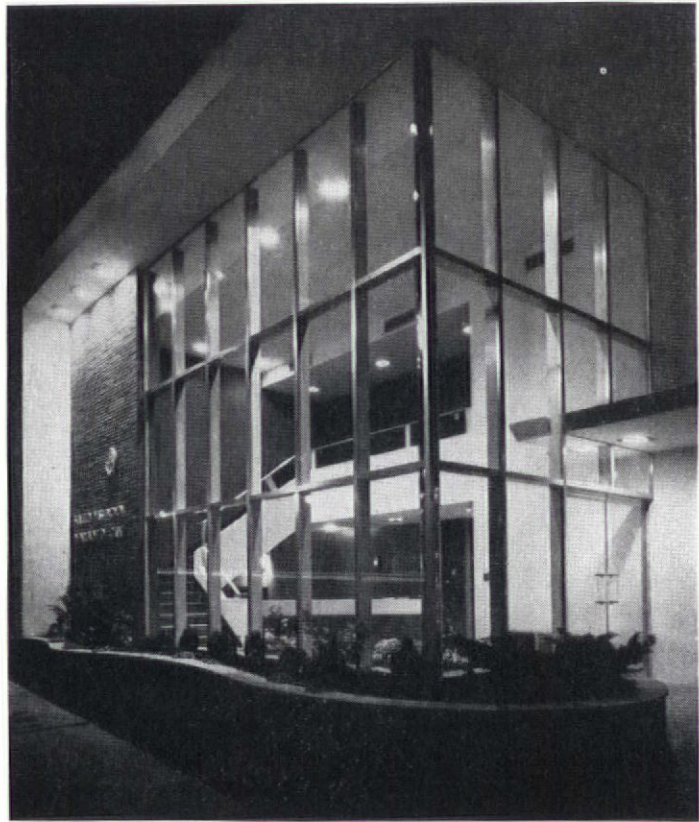


DISPLAY OFFICE

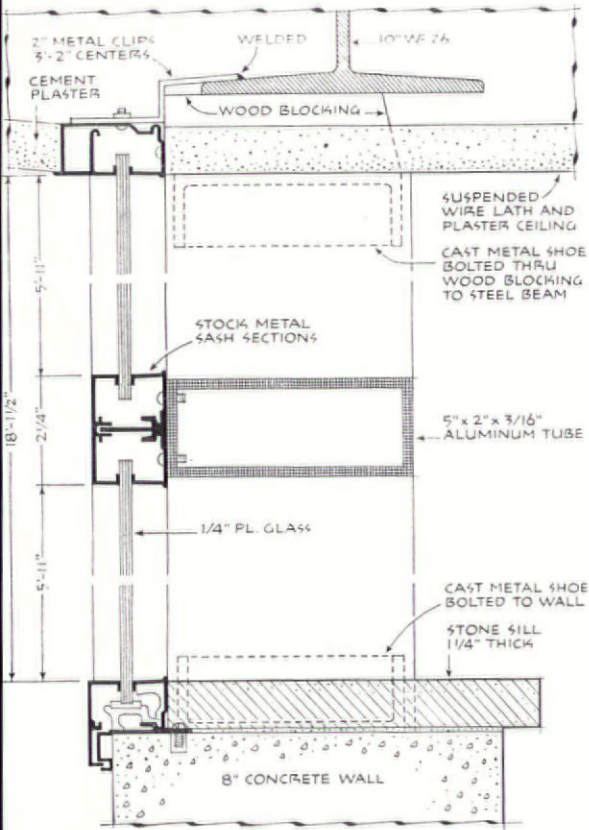


NO-SAG SPRING CO.
CHICAGO, ILL.

ALEXANDER GIRARD
Architect

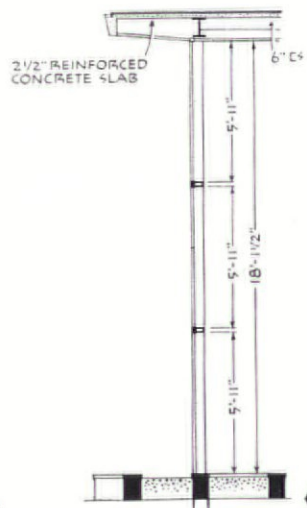
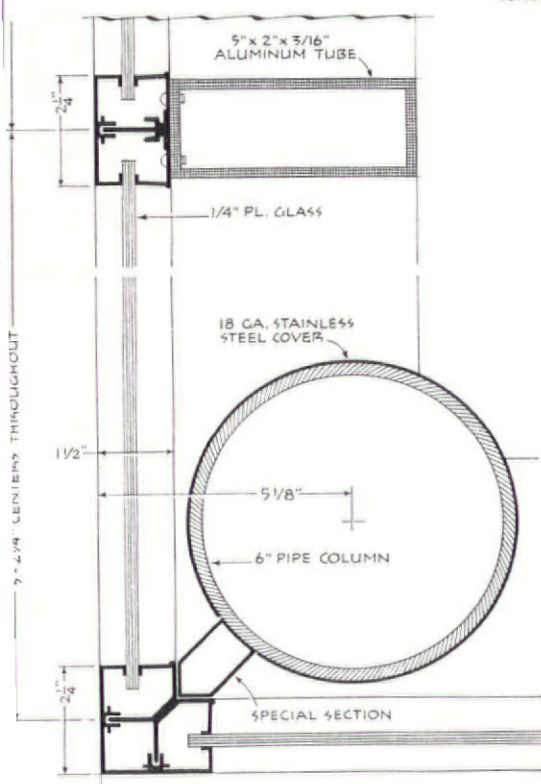


DEARBORN - MASSAR

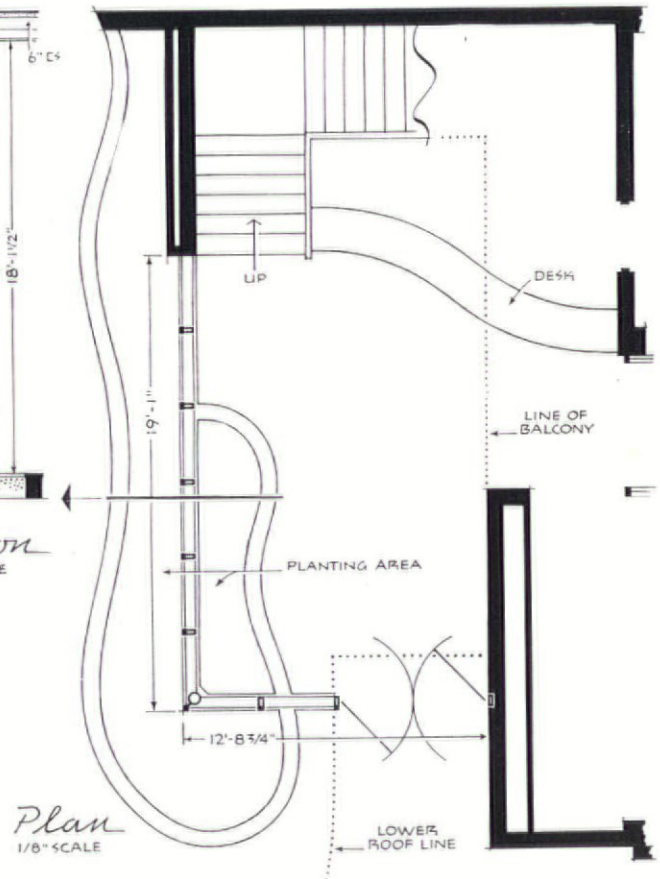


Wall Section 3" SCALE

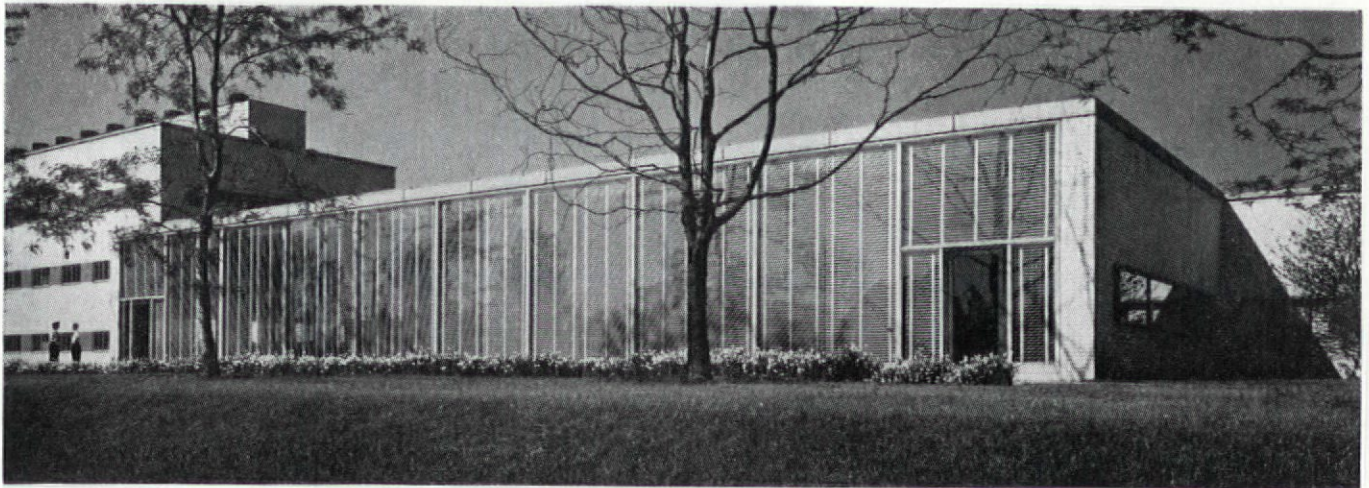
Plan at Corner 3" SCALE



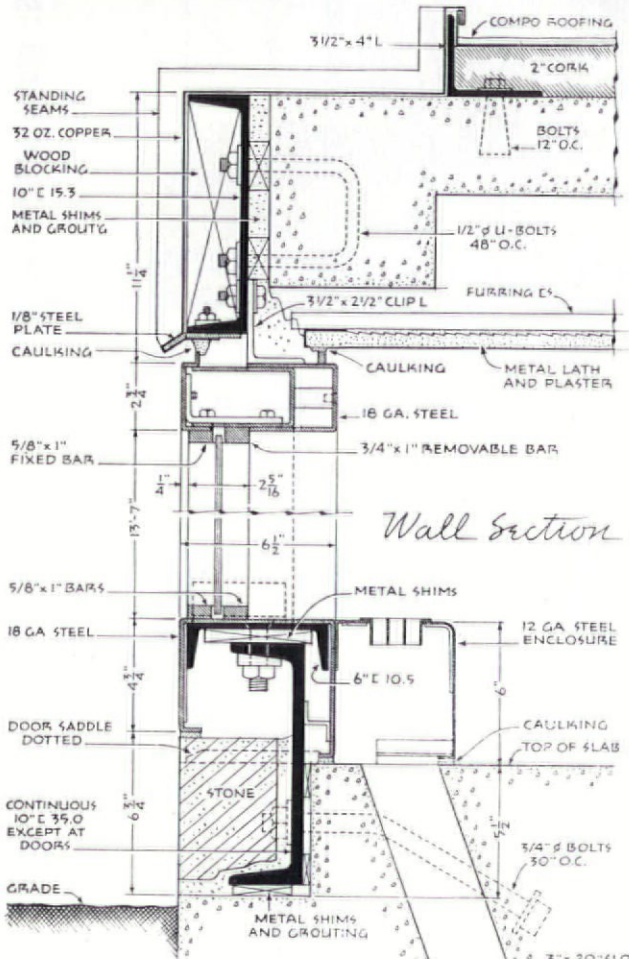
Section 1/8" SCALE



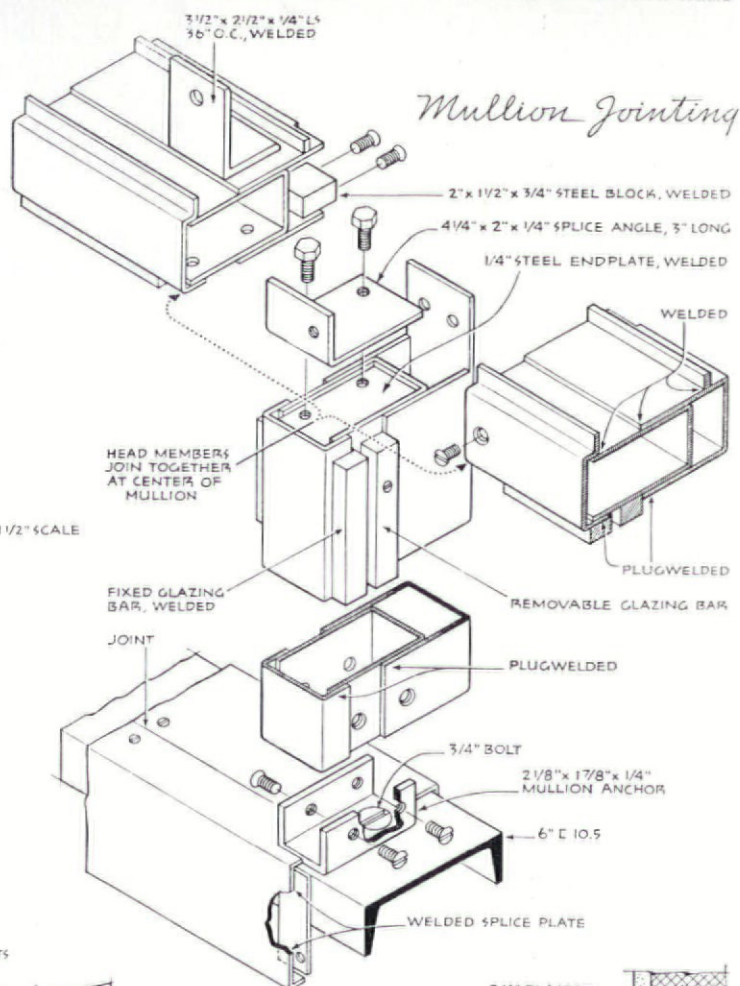
Plan 1/8" SCALE



HEDRICH-BLESSING STUDIO



Wall Section 1/2" SCALE



Mullion Jointing

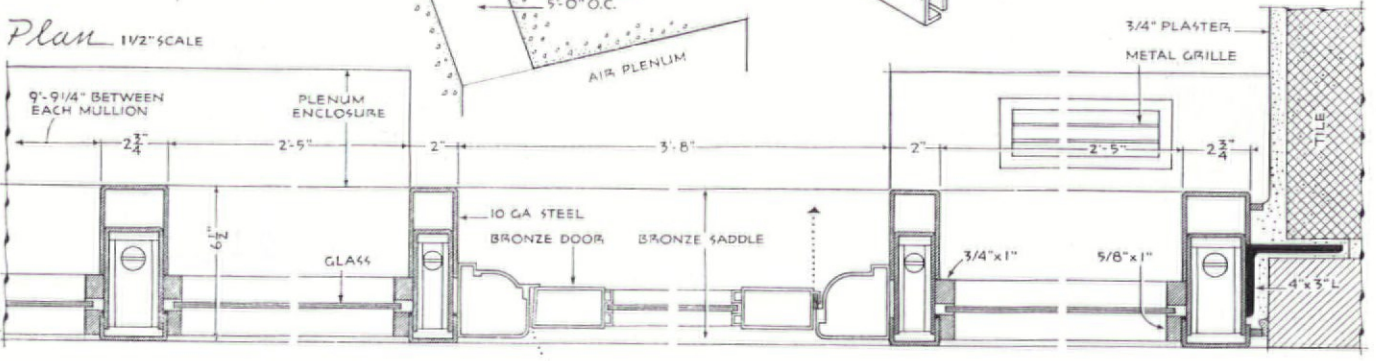
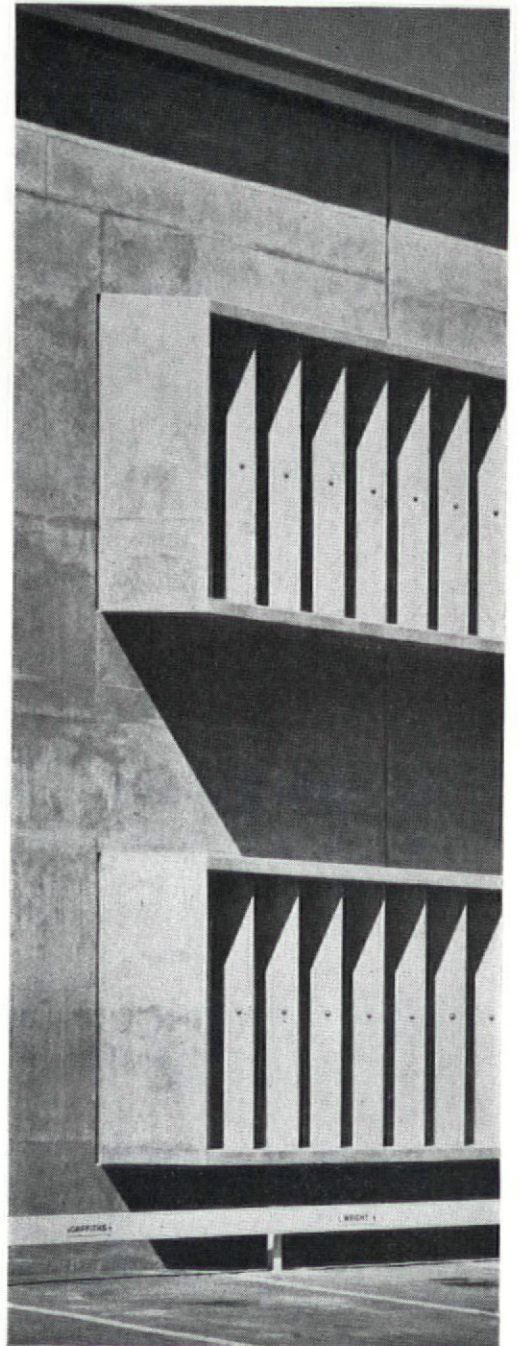
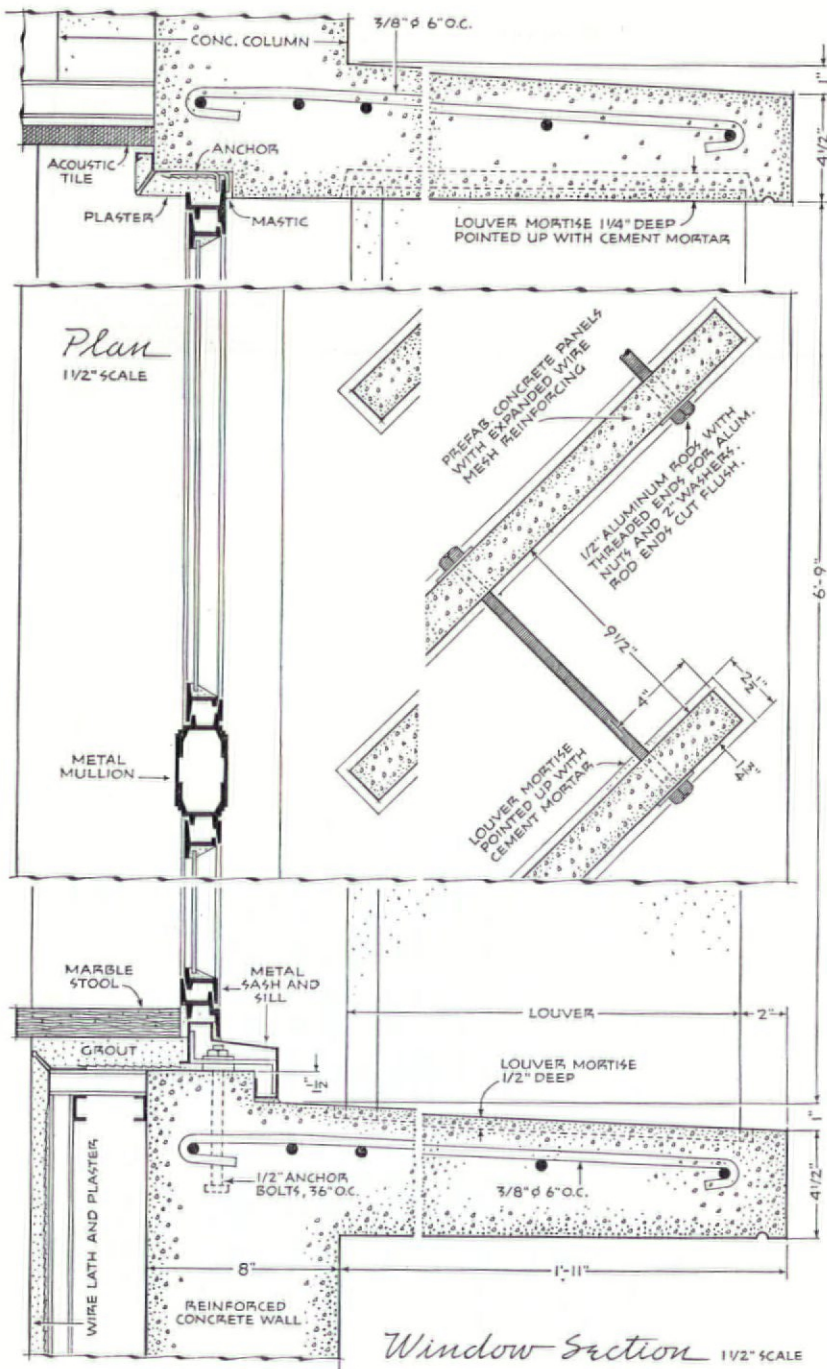
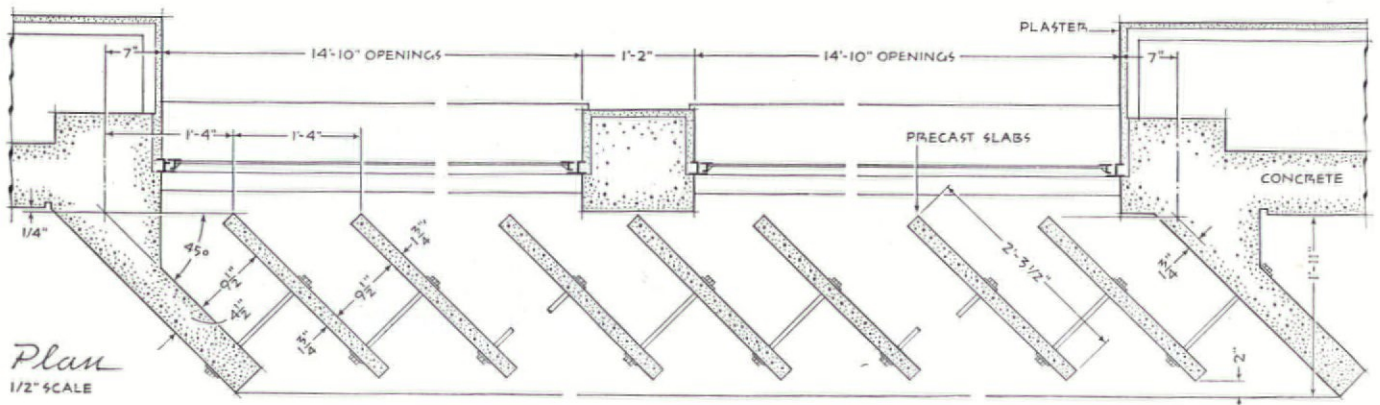
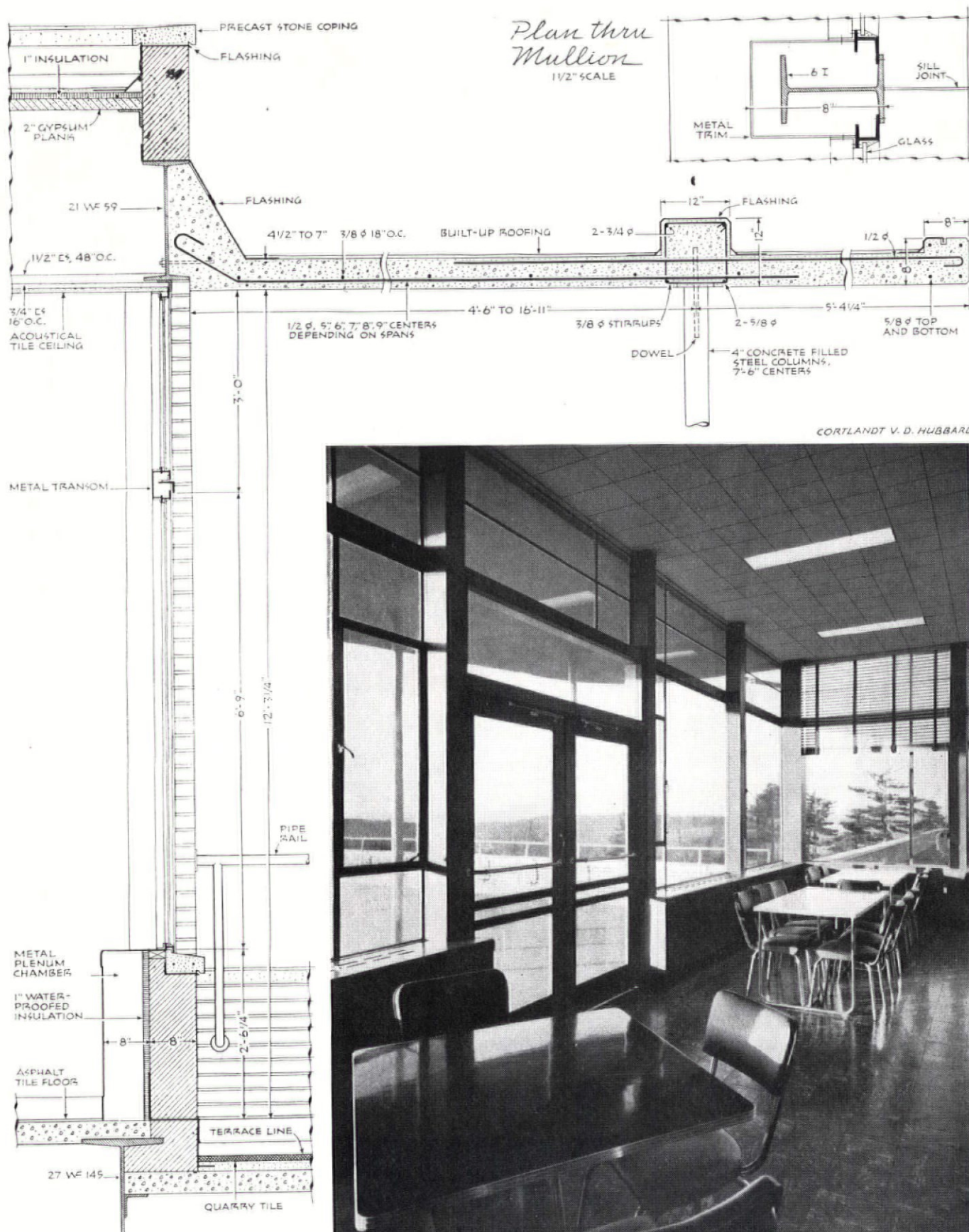


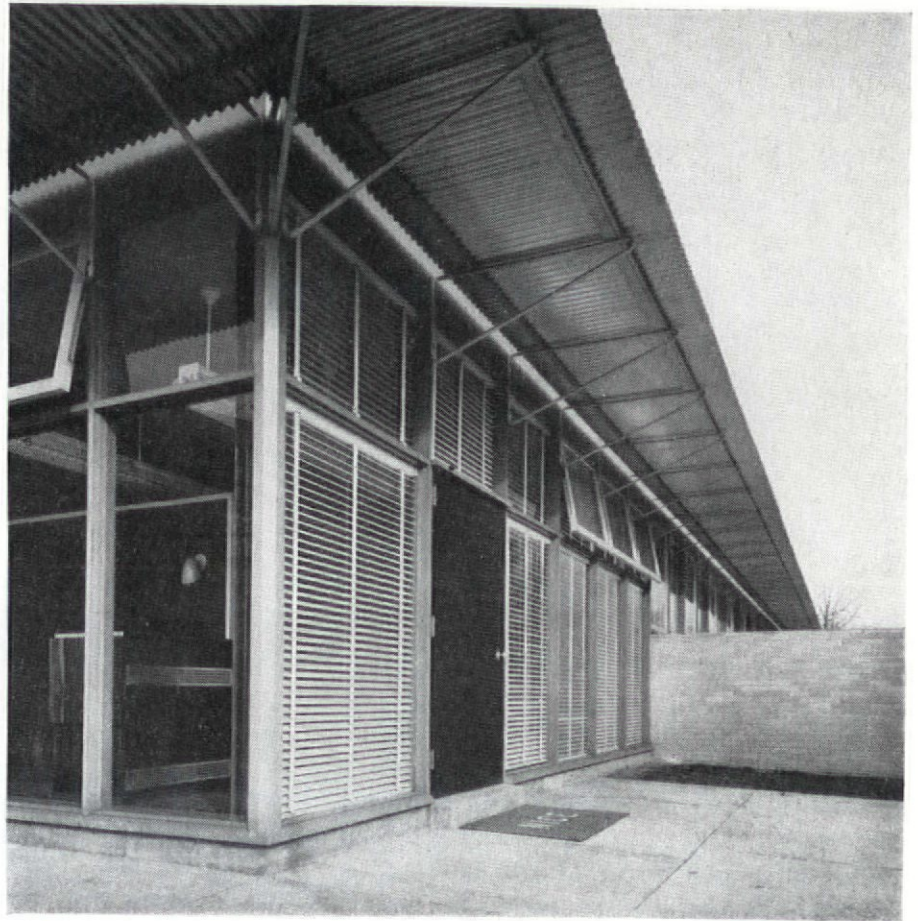
EXHIBIT 1011 - WINDOW WALL



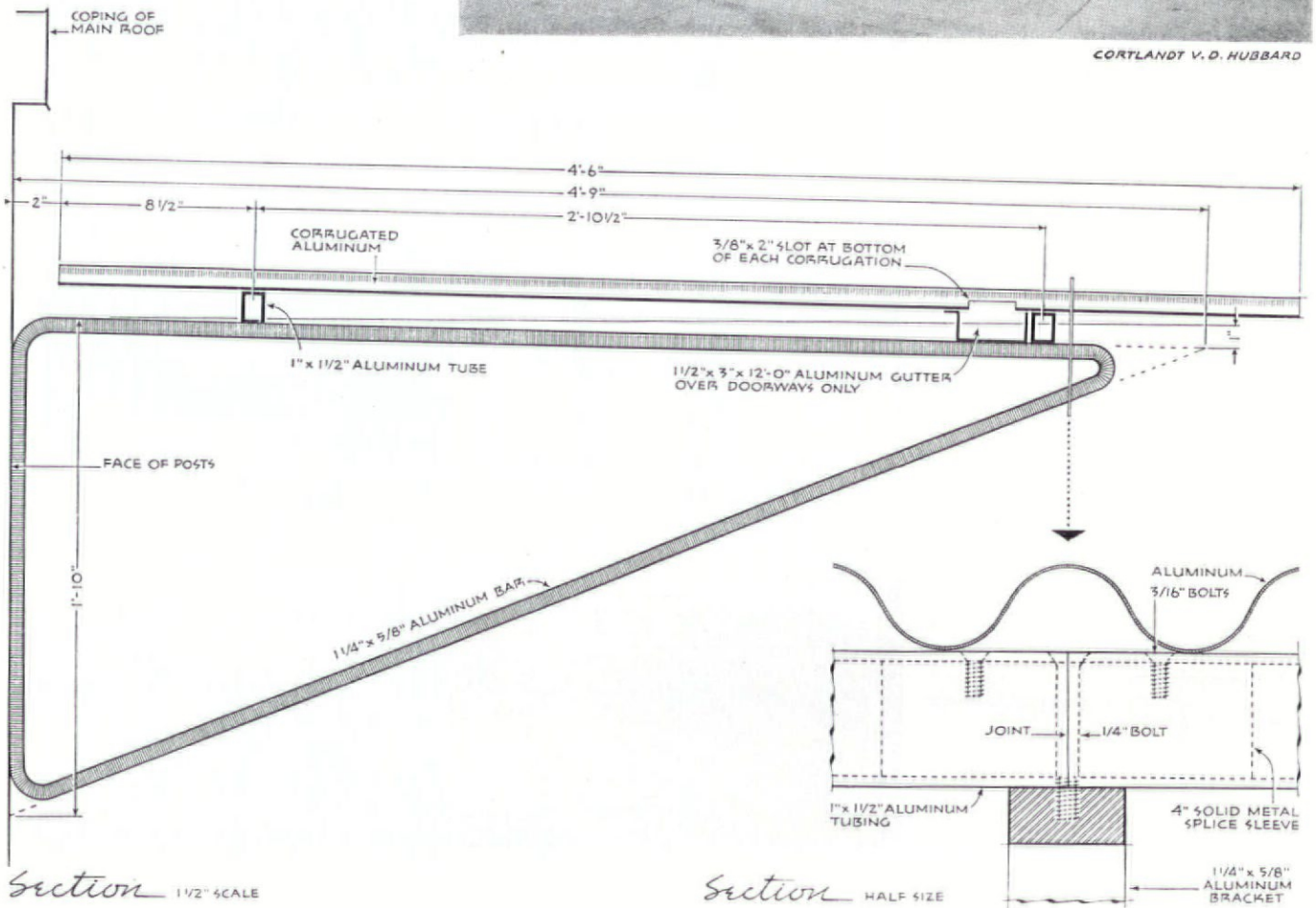
JULIUS SHULMAN







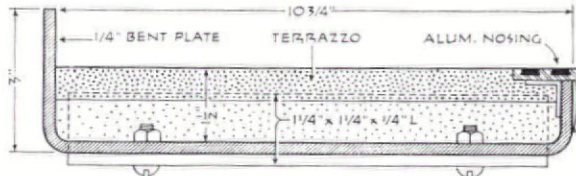
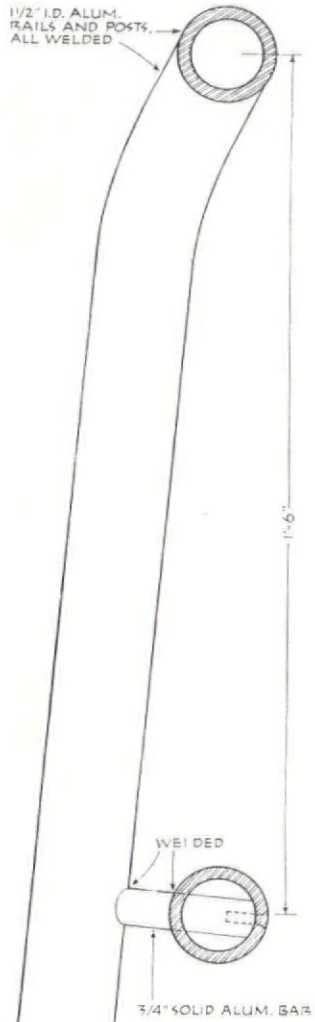
CORTLANDT V. D. HUBBARD



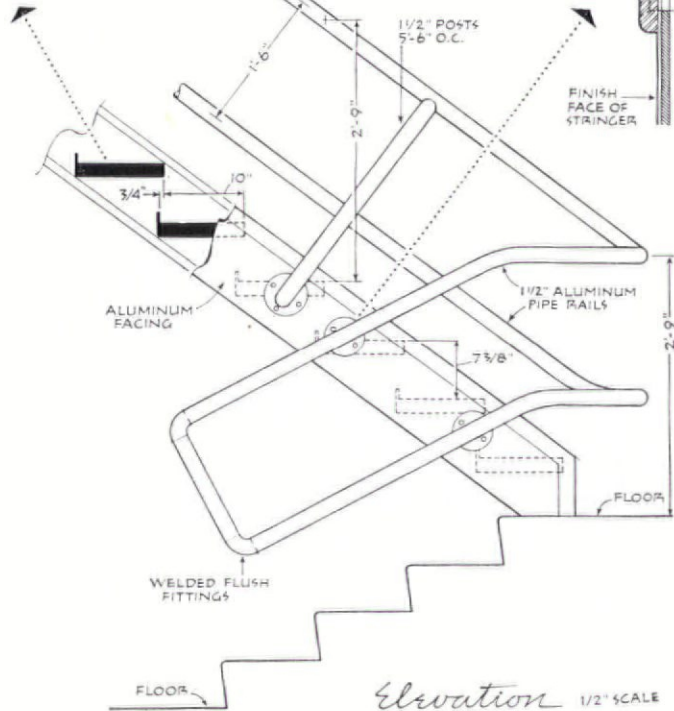
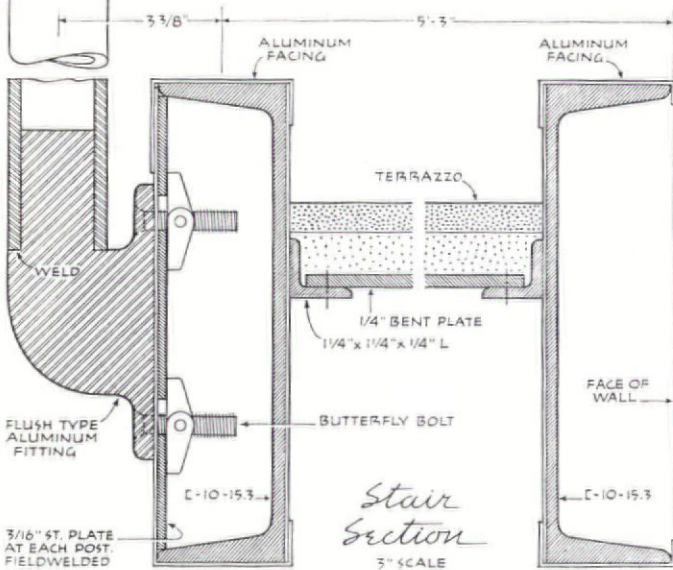
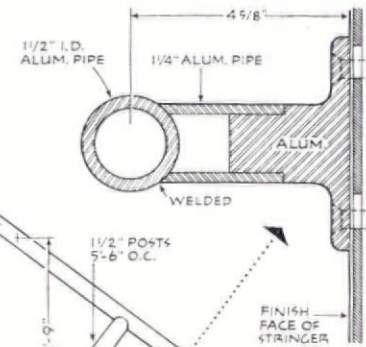
NICE BALL BEARING COMPANY, Philadelphia, Pennsylvania

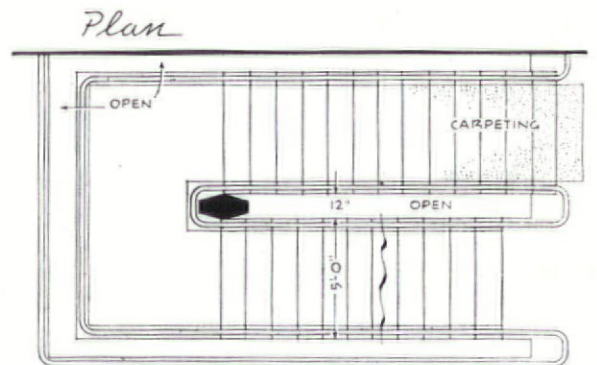
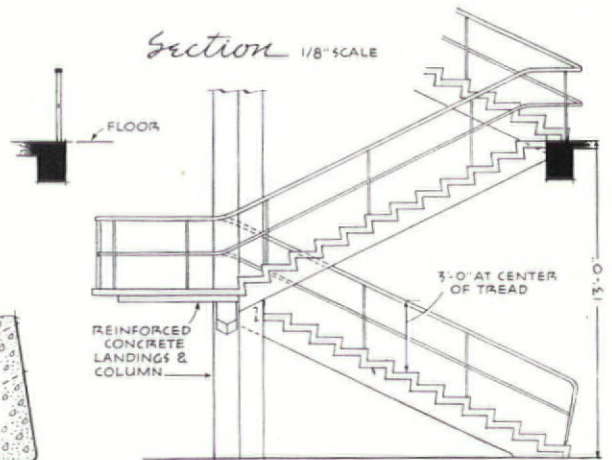
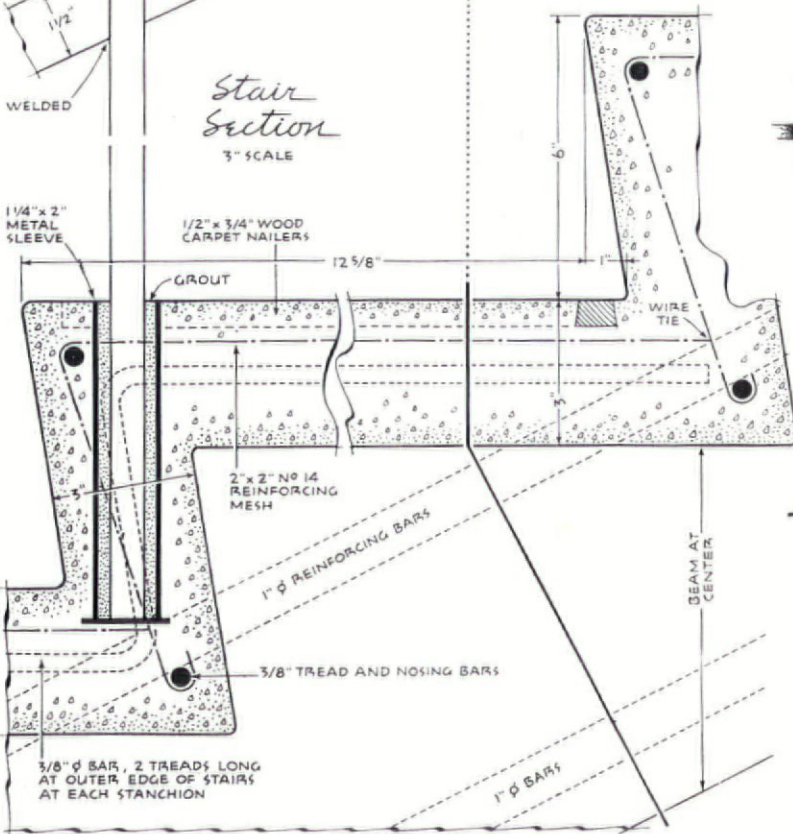
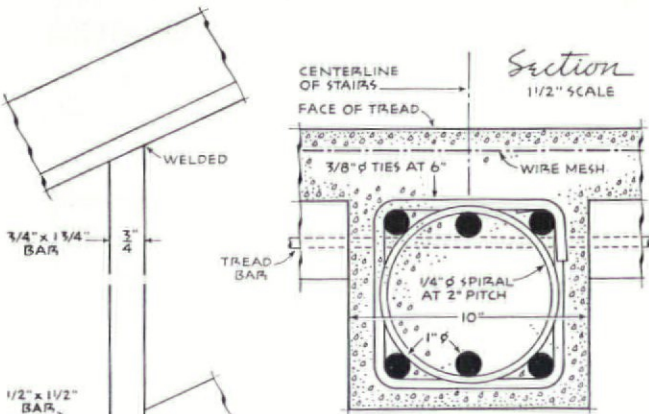
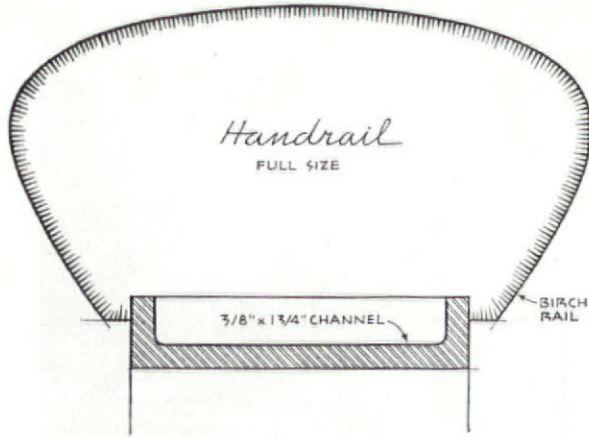


CORTLANDT V. D. HUBBARD



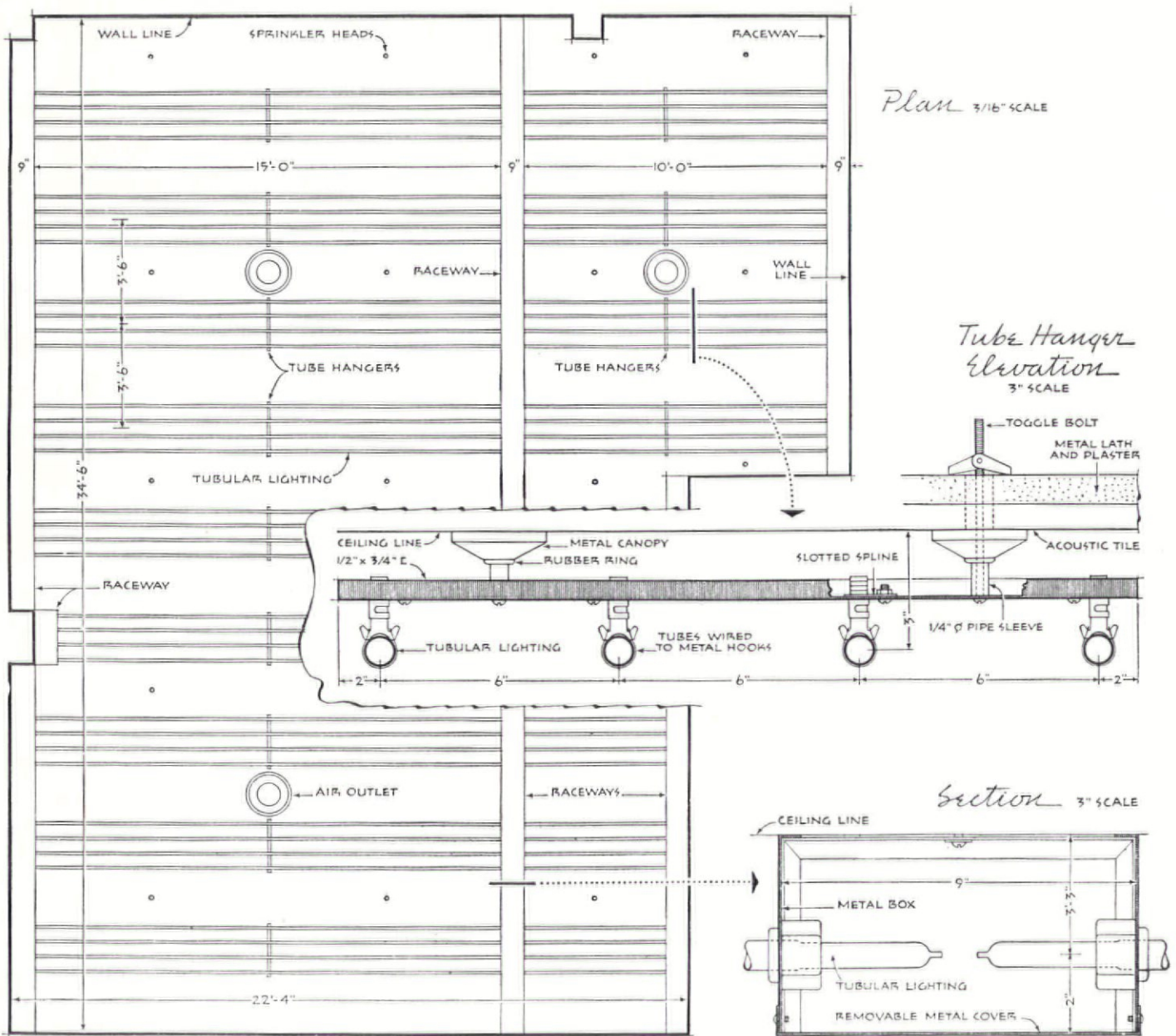
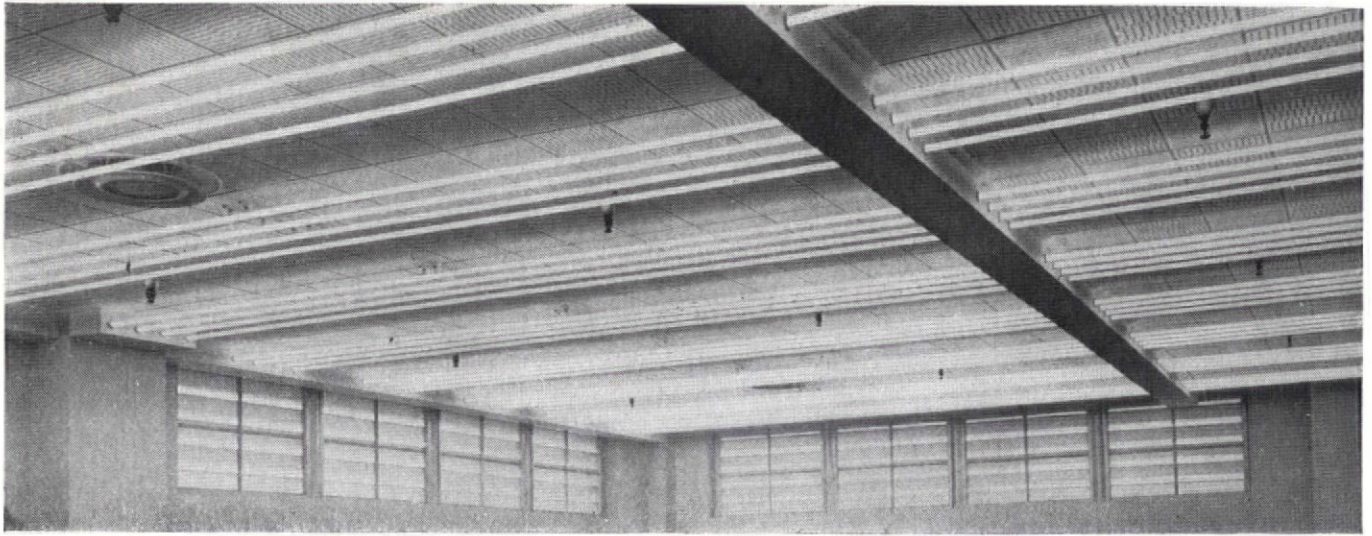
Tread 3" SCALE

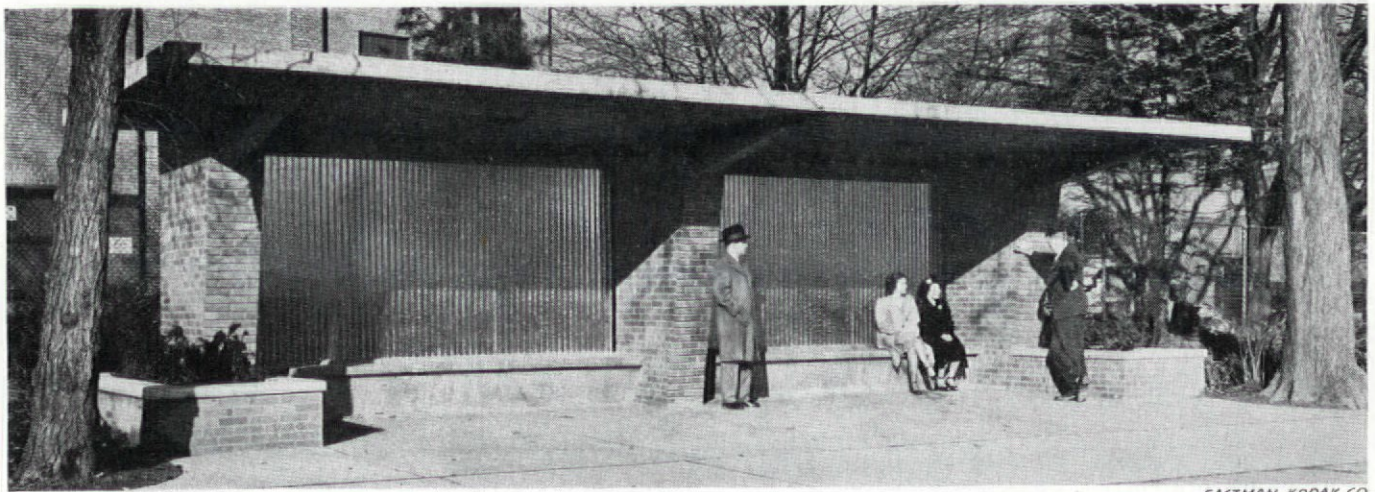




AMERICAN NATIONAL RED CROSS BUILDING
San Francisco, California

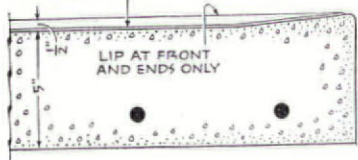
GARDNER A. DAILEY
Architect



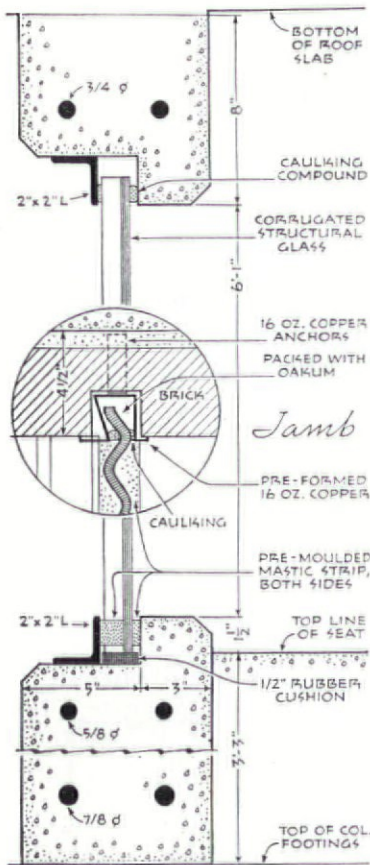


EASTMAN KODAK CO.

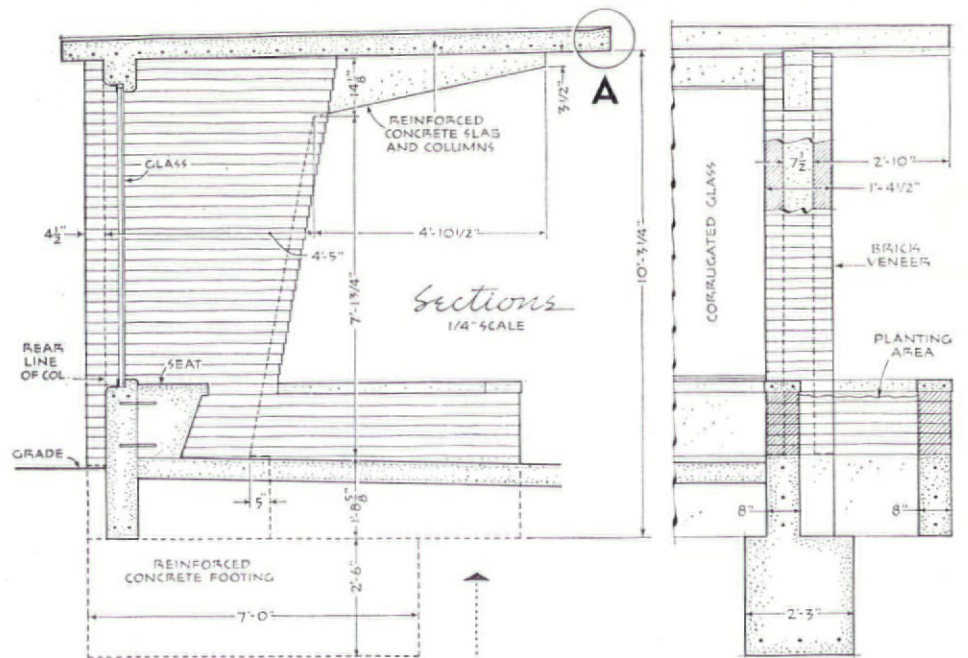
BRUSHED WITH CONCRETE PRIMER, THEN ASPHALT-ASBESTOS COATING APPLIED



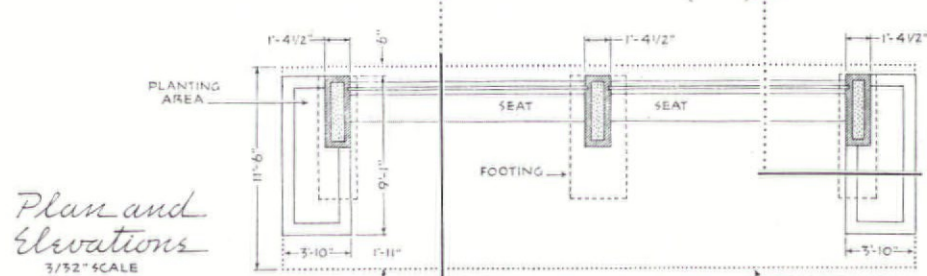
Detail at A 1/2" SCALE



Glass Wall Section
1 1/2" SCALE

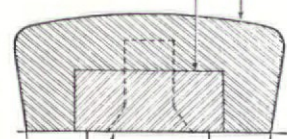


Sections
1/4" SCALE



Plan and Elevations
3/32" SCALE

STAINLESS STEEL HANDRAIL
5/16" x 3/4" WRGOT IRON



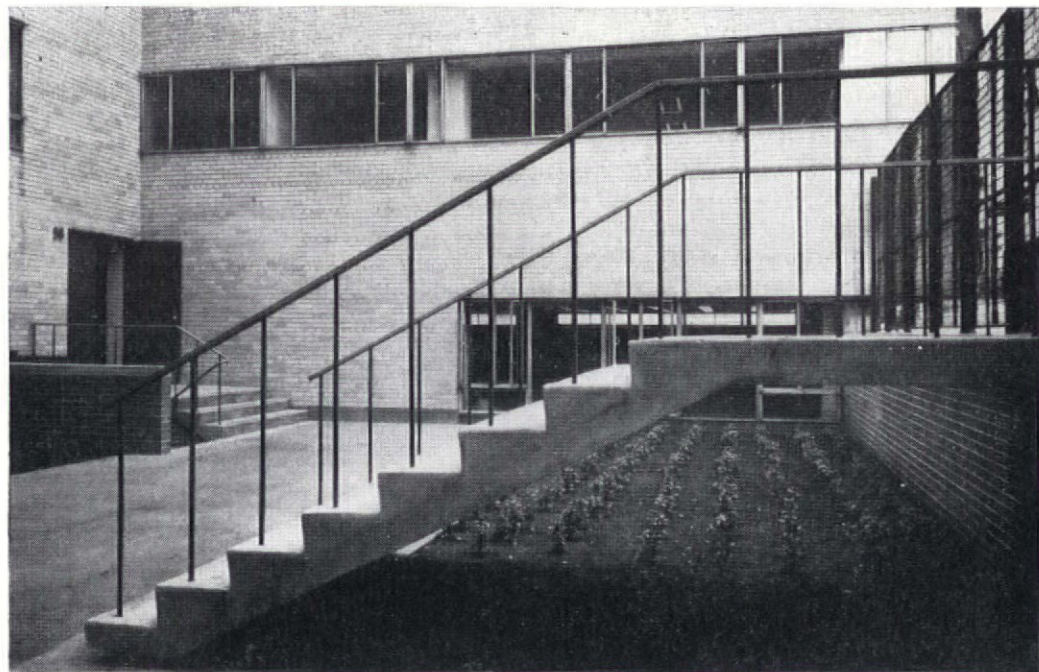
TAP SCREW



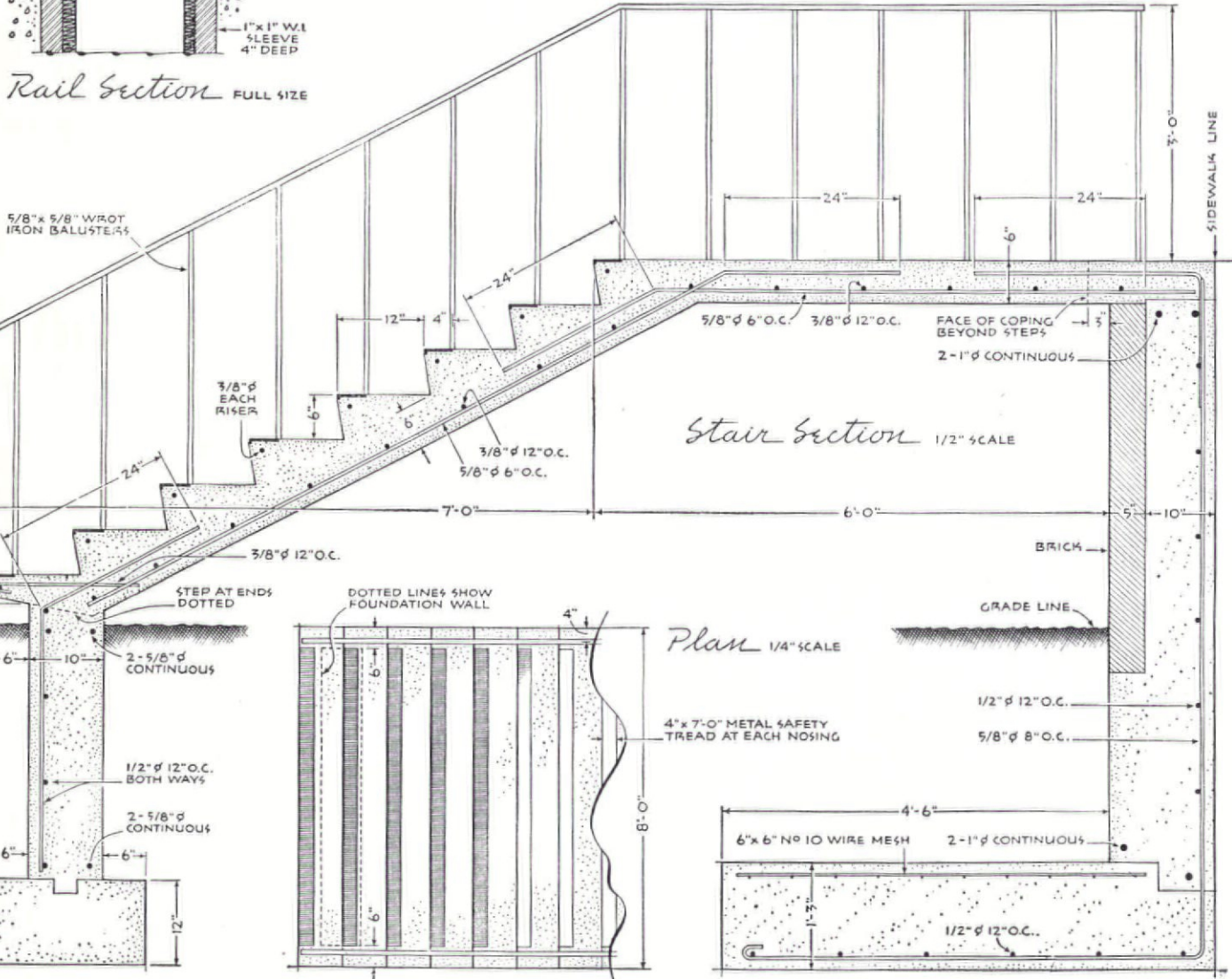
LEAD

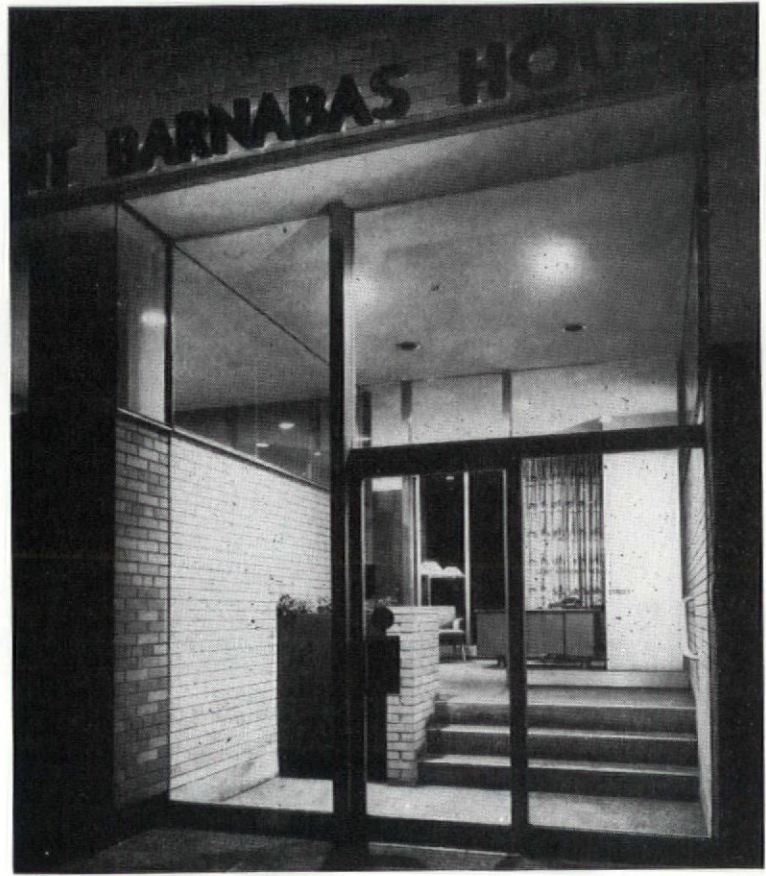


Rail Section FULL SIZE

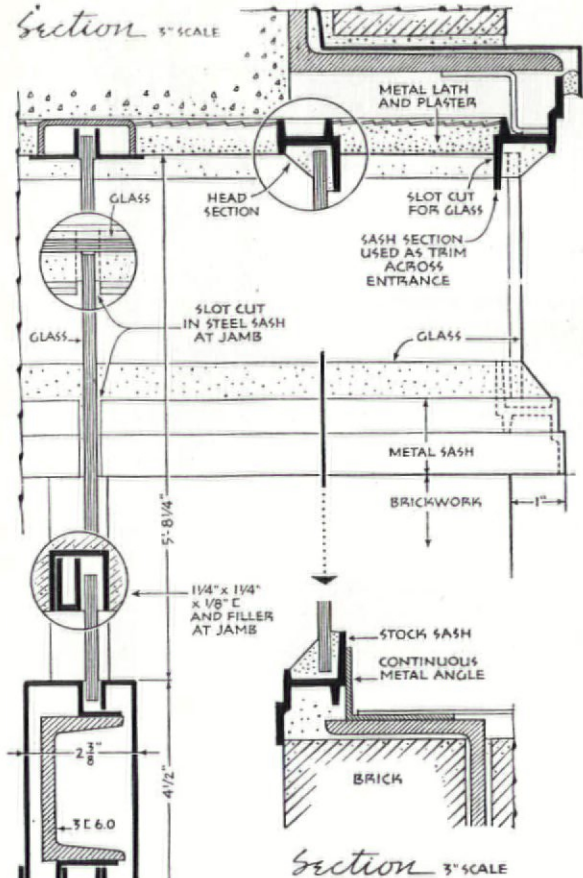


LIONEL FREEDMAN + PICTOR

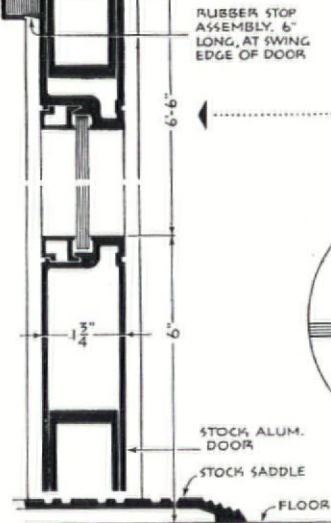




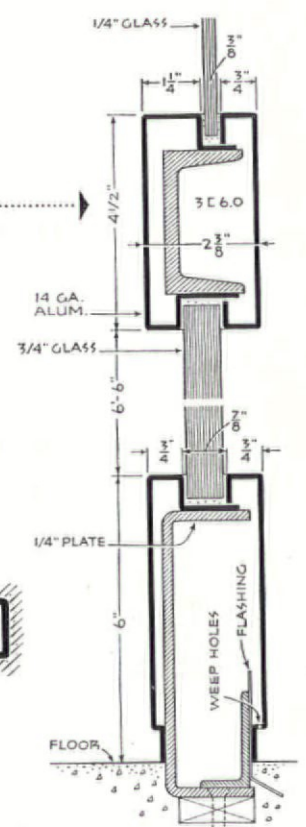
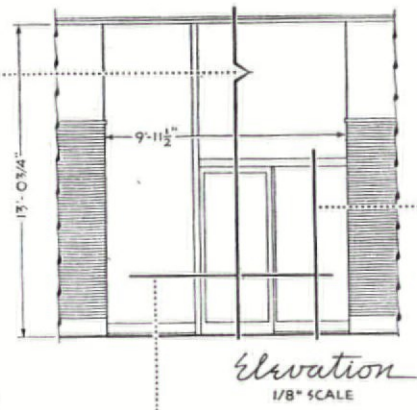
LIONEL FREEDMAN: PICTOR



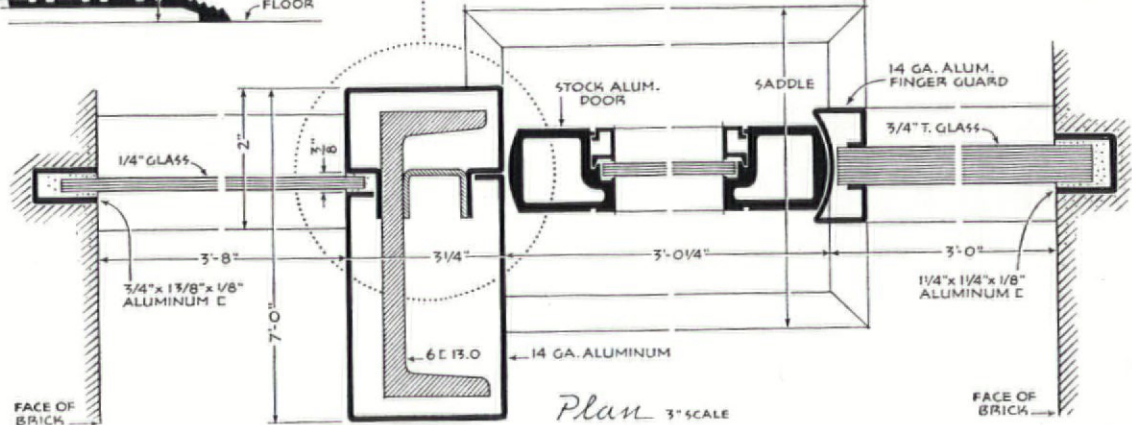
Section 3" SCALE



Plan ABOVE TRANSOM



Section 3" SCALE



Let's Look It Up

Laboratory Design edited by H. S. Coleman

This treatise, sponsored by the National Research Council's Committee on Design, Construction and Equipment of Laboratories, is the work of a large group of eminently qualified specialists. The book is divided into four major parts. The first is a general discussion of interior construction materials, furniture, plumbing, light and power, ventilation, and safety measures. Part II is on teaching laboratories with discussions of every phase of their design, from site selection to interior arrangements. This section also has chapters devoted to various types of teaching laboratories such as those for analytical and organic chemistry and physical and electrochemical, biochemical, chemical engineering, and metallographic laboratories. Part III is on industrial laboratories with chapters devoted to special types of laboratories and their auxiliary rooms. The last part of LABORATORY DESIGN is the most interesting of all because it contains concise descriptions of various types of laboratories, complete with plans, sections, and photographs.

404 pages, 9x12, 300 photographs and illustrations, \$15.00

Contemporary Structure in Architecture

by Leonard Michaels

Provides, for the first time, a comprehensive study of the architectural significance of contemporary structural development. Deals with all structural materials; the basically different ways in which they are used; the principles governing the whole range of structural evolution, from skeleton frame to shell, together with a critical analysis of their effects and influences on architectural design.

229 pages, 9x12, profusely illustrated, \$10.00

Schools

by L. B. Perkins and W. D. Cocking

Deals with the educational program of studies and services which requires housing, factors which determine the educational plant, trends in design, cooperative planning, and developments in school house architecture. Comprehensive in treatment, informal in style, profusely illustrated, it is the indispensable handbook for both architects and school administrators.

(Progressive Architecture Library)
300 pages, 9x12, illustrated, \$12.00

Homes by the Editors of Progressive Architecture

This is a book showing a large number of houses that have recently been built in all parts of the United States. Representing the work of outstanding residential architects, it pictures homes that have been selected by the editors for their pleasant livable qualities as well as general architectural excellence. There are 287 handsome photographs, 116 plan drawings, and just enough text to explain what the trends are in home design and what special features of these houses are admirable. The book is divided into three sections: one-bedroom homes, two-bedroom homes, and homes with three or more bedrooms.

190 pages, 9x11½, profusely illustrated, \$6.00

Hospitals—Integrated Design

2nd Edition

by Isadore Rosenfield

Keeping abreast of changing hospital facilities and needs, the enlarged second edition of this outstanding book will tell you everything you want to know about the planning, design and construction of modern hospitals.

New chapters have been added, and others entirely rewritten, to relate the work of the architect, doctor, medical specialist and administrator to the continually changing demands of the hospital. All information is so completely up-to-date that this is indeed a new book and the only one in existence that so thoroughly helps solve planning, administrative, and maintenance hospital problems.

(Progressive Architecture Library)
400 pages, 9 x 12, 500 plans and photographs, \$15.00

Apartment Houses

by Joseph H. Abel and Fred N. Severud

Contains the latest design, engineering, heating and landscaping information on apartment houses. Gives complete information on overall and specific design problems, as well as an analysis of how good design can affect the return on investment. Includes a discussion of the latest developments in structural systems, use of concrete, steel, and wood framing. Outlines the fundamentals of many possible heating systems which may be used in apartment houses, and in several cases includes an analysis of costs. Offers a careful analysis of the problems in vertical transportation and suggests many possible treatments in landscaping.

(Progressive Architecture Library)
280 pages, 9x12, illustrated, \$12.00

Shops and Stores

by Morris Ketchum, Jr.

Whether you are an architect, engineer, draftsman, or store executive you will find this book a great help. The down-to-earth approach of its author assures you of getting the best, most comprehensive and complete information on store design. The author discusses, among other things: the scope and character of design for merchandising; analysis of business and space requirements; the small store in the city and on the highway; small store trends; the large store; the development of a street; structural design and materials; and investment values.

(Progressive Architecture Library)
280 pages, 9x12, illustrated, \$11.00

Theatres and Auditoriums

by Harold Burris-Meyer and Edward C. Cole

This book undertakes for the first time to derive theatre design from an analysis of function. The activities of the audience and the operations in presenting all types of productions, from pageant to solo concert to motion picture, have been studied and architectural requisites drawn therefrom.

It provides the analytical basis for good design in a form which the architect will find especially useful in enabling his client to understand the scope and complexities of the problem.

(Progressive Architecture Library)
230 pages, 9x12, 300 photographs and illustrations, \$10.00

Any of these books will gladly be sent on 10 days' approval.

Packed with useful information . .

Ways with Watercolor

by Ted Kautzky

Twenty-four color plates you'll surely want to frame is one interesting feature of this book. Starting with a simple palette of two colors, Ted takes the student step by step through all the intricacies of watercolor painting. Landscapes, seascapes, pictures of houses, of boats, of wharfs, all are included. Faithfully reproduced in gravure, this book will be an inspiration to draftsman, student, amateur and artist. The accompanying text fully explains Kautzky's unusual technique.

120 pages, 9x12, \$10.00

Pencil BroadSides

by Ted Kautzky

Twenty-four brilliantly drawn plates by the author, magnificently reproduced by gravure on one side only of heavy antique stock. Twelve clear, concise, and detailed lessons in text explain the broad stroke pencil technique and its application to the expression of architectural and landscape forms and textures commonly encountered.

The student of the pencil will find this book with its well arranged lessons a great aid to his progress. These lessons cover fundamental strokes; the indication of rough and smooth stonework; brickwork at large and small scale; various wood textures; structure and foliage of pine trees, oak trees, birch trees, and elm trees; the indication of roof textures; evergreen shrubbery and flowers at large and small scale. A single lesson offers pointers on composition. Each lesson consists of brief yet adequate text, together with one or more illustrations.

24 plates, 9x12, handsomely bound, \$4.50

Pencil Pictures

by Ted Kautzky

Similar in format to his earlier book, PENCIL PICTURES is bigger and better in every way. Unlike the PENCIL BROADSIDES, which dealt principally with technique, it treats the making of pictures in pencil out of the great variety of subject matter to be found in nature. Landscapes of the seashore, farming country, mountains, and woodlands — with fishing boats, barns, village streets, and country homes — are illustrated and analyzed with attention to the arrangement of picture elements in line and value to produce pleasing design pattern. 31 magnificent plates, drawn only as Kautzky can draw them and reproduced faithfully in gravure, will give to draftsman, student, amateur, and artist a set of inspiring examples from which to learn. The accompanying text explains the principles upon which the author bases his picture making.

96 pages, 9x12, \$5.00

Perspective Charts

by Philip J. Lawson
(Now Printed in Red for Easier Tracing)

These 8 labor-saving charts have proven a blessing wherever accurate construction of instrumental perspective drawings of architecture, furniture, industrial design, etc. is required. Now printed in red, they will save even more time and drudgery than ever before as the color will be easily distinguished from the tracings. In using the charts, you merely lay tracing paper over the chart which suits your purpose and, following the directions given, proceed at once with your work. You trace such lines or utilize such measurements as your problem demands.

8 charts, 21x24, detailed instructions, per set, \$4.00

Color In Sketching and Rendering

by Arthur L. Guptill

This volume offers a vast fund of information on practically every phase of representative painting in water color and related media. Step by step, the text leads through complete elementary chapters (telling exactly what to buy and how to use it) to later professional considerations. Every point is fully explained and graphically illustrated. Numbered exercises are offered for students forced to work without a teacher. Many secrets of the professional artist are revealed.

There are 195 beautiful full page illustrations, many in full color, and 70 text illustrations; a complete index. We feel this is the most valuable text and reference book on the subject yet published.

350 pages, 9x12, handsomely and durably bound in cloth, profusely illustrated, \$12.50

Drawing with Pen and Ink

by Arthur L. Guptill

We do not hesitate to say that Mr. Guptill has provided the most complete, practical and profusely illustrated text and reference book on pen and ink drawing that has ever been published. This volume is based partly on lectures and instructions given by the author in his classes and partly on his experience as a professional illustrator and renderer.

The book furnishes a sound and thorough guide for the study of pen and ink and its various techniques. It is embellished by hundreds of drawings by the author and by examples of the work of many leading illustrators and renderers.

444 pages, 9x12, over 800 illustrations, \$10.00

Pencil Drawing Step-by-Step

by Arthur L. Guptill

Taking the place of the author's *Sketching and Rendering in Pencil*, this entirely new volume has a far broader scope and is a better book in every way. Starting with elementary chapters which describe in detail the various drawing materials, and offer exercises in their use, it leads by easy stages through construction of subjects, outline drawing, light and shade, texture representation, composition, etc. Over a dozen comparative techniques are fully presented, including fine line and broad line work, mass shading, stump and solvent treatments, combined media, and work in a carbon, lithographic, and colored pencils, as well as special papers. Every common type of subject matter is considered: still life, architecture, interiors, landscape, animals, and the human face and figure. Special sections feature the work of top-flight pencil artists in such fields as architecture, landscape architecture, interior decoration, industrial design, illustration, and advertising.

200 pages, 9x12, profusely illustrated, \$8.50

Modern Furniture Design and Construction

by Prof. Marlo Dal Fabbro

With over 400 furniture designs, including desks, chairs, sofas, etc. — this book affords a vast choice of original and basic designs from which it is possible to create new types and styles of furniture. This book, aside from its esthetic value, is a *must* for architect, interior decorator, manufacturer, and hobbyist, who would like to modernize and recreate, produce or manufacture something new — something different in furniture.

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These **REINHOLD** books for busy Architects

The Work of Oscar Niemeyer

edited by Stamo Papadaki

Includes all of Niemeyer's better known designs as well as many old and new works that have never before been published. Details of the work of sculptors, ceramists, muralists and other artists such as Portinari, Lipschitz, Ceshiatti, Giorgio and Viereck are presented. Niemeyer's architecture is acclaimed far and wide for its unusual beauty and utility. His Ministry of Education Building alone is famous the world over.

Architects and engineers everywhere will be particularly interested in the construction methods and details of Niemeyer's use of concrete in many of his structures. The book will not only prove an invaluable reference work but will aid those who are interested in understanding modern architecture.

220 pages, 9x9, profusely illustrated, \$10.00

Fundamentals of Perspective —

(Enlarged Second Edition)

by Theodore DePostels, A.I.A.(E)

The first edition of this work proved so useful that over 10,000 copies were sold — many as a result of enthusiastic recommendation by those who found here a simple and easily understandable method of showing the order in which the lines of perspective are drawn.

In this new enlarged edition, there are included 30 plates, 10 more than appeared previously. Most of the plates appear in 4 colors which greatly clarify the drawings. Each line of the constructed perspective is numbered and its direction signified with arrows so that the procedure and reasons for it become quickly apparent.

There is no simpler, surer or more proven method for learning and understanding all types of perspective drawing.

30 plates, four colors, \$5.00

Planning Secondary School Buildings

by N. L. Engelhardt, N. L. Engelhardt, Jr., and Stanton Leggett

A comprehensive treatment of the problems faced by superintendents of schools, Boards of Education, and architects in planning junior or senior high school buildings that will aid modern educational programs.

280 pages, 9x12, illustrated, \$10.00

You Want to Build a School?

by Charles Wesley Bursch and John Lyon Reid

The emphasis of this book is on the group effort of the school planning-building program. Included is a discussion of everyone involved in the planning of a school from the pupil to the architect, even including the taxpayer. There are sections covering the following: Determining the Need for a New School; Master Planning for an Entire District; Preliminary Planning of a School Plant; and How to Use the School.

128 pages, 6½x9, illustrated, \$4.00

Don Graf's DATA SHEETS

(Revised and Enlarged)

by Don Graf

The world-famous DATA SHEETS by Don Graf have been revised and about one hundred new drawings have been added. These DATA SHEETS contain much original material available in no other architectural reference book. These pages are not just reprinted catalog drawings but are the results of original research in quick, easy-to-use form.

Contents: Materials in General, Structural Design, Mathematics, Planning Data, Mechanical, Construction Details, Drafting Helps, Furniture and Furnishings.

834 pages, 4x7, profusely illustrated, \$8.50

Architectural Practice—Revised Edition

by Clinton H. Cowgill and Ben John Small

This comprehensive book covers the professional, business, and legal aspects of architectural practice. Commissions for professional services are traced in minutest detail from the day the client arrives to the last payment for work performed. The social and economic implications of contemporary practice are translated in terms of ready-to-use forms, guides, advice, graphic illustrations, and the like. Accounting procedures, bookkeeping systems, almost every procedural form an architect requires for his practice, agreements of every nature, specifications, insurance and bond requirements are all presented in orderly sequence.

430 pages, 9x12, illustrated, \$12.00

This Business of Architecture

by Royal Barry Wills

Should prove of inestimable value to any architect, young or old, who wants to increase his chances of success in the practice of architecture.

Mr. Wills enumerates no less than thirty-five methods of selling, both direct and indirect.

His advice on keeping office records and documents is excellent and the model printed forms he gives should be of value for reference to the young practitioner. The necessity of keeping the overhead of the practice under foot, of adopting a reliable system of cost accounting, and of avoiding business trouble are all taken into consideration.

The book is profusely illustrated with pen and ink sketches.

210 pages, 5¾x8½, illustrated \$3.50

Search for Form

by Ellel Saarlon

This book is in a sense a companion to his other volume, *THE CITY, Its Growth, Its Decay, Its Future*. Whereas the first published volume, however, is a statement of the author's philosophy of city and regional planning, *SEARCH FOR FORM* represents his philosophy of design in general. The principles he has arrived at as a result of a lifetime of study and teaching in the creative fields of design are here passed along for the consideration of architects, designers, and students of the arts.

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