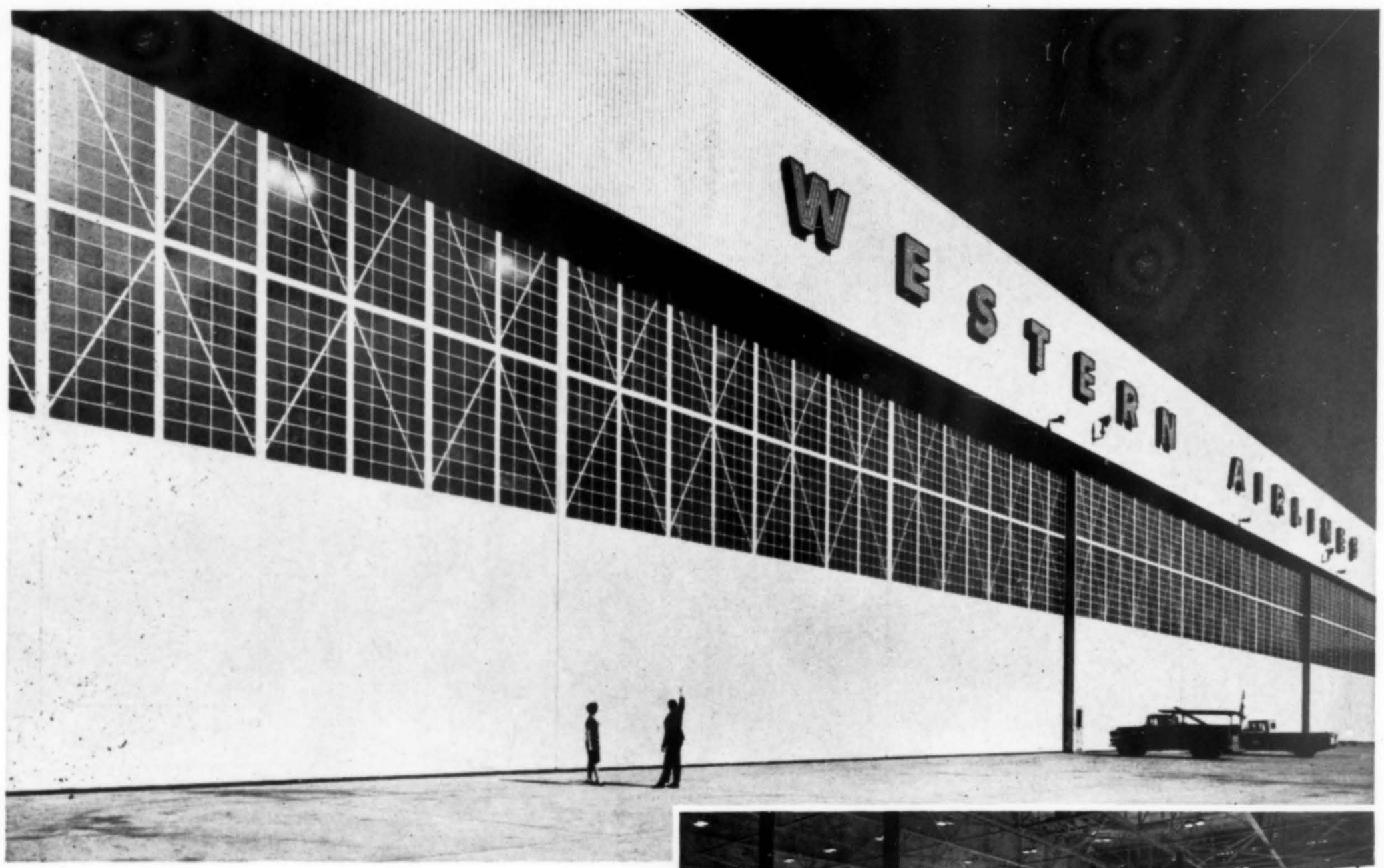
Architecture / West

THE ONLY MAGAZINE DEVOTED EXCLUSIVELY TO WESTERN ARCHITECTURE ◆ SEPTEMBER 1965



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ABOUT THIS ISSUE: The September *Architecture/West* offers a pot pourri of Western projects—ranging from the provocative Henge in New Mexico to a new idea for an expandable house.

John Conron, Santa Fe architect and co-editor of New Mexico Architect, first alerted us to The Henge at the Western Mountain Regional AIA conference last year. He said: "It's the best piece of architecture to ever come out of New Mexico and I wish I had designed it." (Page 19)

The trend to suburban clinics has resulted in some extremely excellent small projects—among the best, the Burien Clinic for the Group Health Cooperative of Puget Sound. (Page 22)

Customer, client and employee amenities have all been considered in the 230 South Lake Avenue Building in Pasadena. Shops are set off with a forecourt designed to please all who enter. (Page 25)

A house that is a house within a house—an apt description of the Malibu residence of architect Frederick Lyman. Walls contract and expand as needed to integrate with the outdoors. (Page 32)

A case history of flameproofing a school in California is detailed in the methods and material feature. (Page 36)

NEXT MONTH: a look at some educational projects.

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Business data on page 42

THE COVER: The Henge; sculptor Herbert Goldman, New Mexico. Page 20.

HIGHLIGHTS and SIDELIGHTS

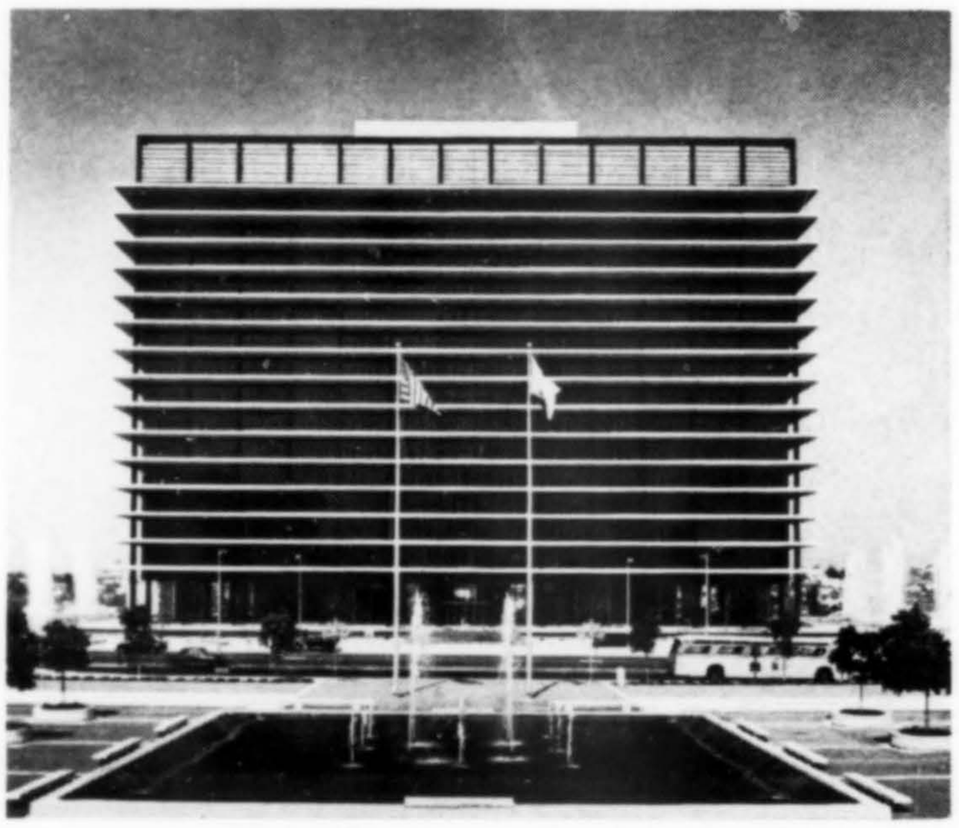
15,000,000 more by 1985 —

California's galloping growth has another prediction: 150 new cities with a population of 100,000 each in the next two decades. This is an addition of some 15 million people to the state. Ephraim Feldman, vice president and director of research for California Land Sales, Inc., believes that now is the time to plan for that development, whether the increase will be handled in the present cities or whether new towns will be created. The influx is of importance to the appearance and the economic and social health of the state.

Preservation of Denver's landmarks —

A move to save Denver's vanishing landmarks has been approved by the Denver Planning Board. Endorsement has been made of proposed legislation creating a landmark preservation commission with powers to designate properties of "cultural, artistic, social and political" importance as landmarks, subject to the approval of the Denver City Council. The proposal provides for a seven member commission to be selected from candidates submitted by the planning board, the Denver chapter of the American Institute of Architects, the Colorado State Historical Society. Among landmarks earmarked for preservation are the old Daniels & Fisher Tower Building; Constitution Hall and the Brown Palace Hotel.

$32 million general offices—



Approximately 3,200 administrative and office personnel are housed in the new general offices of Los Angeles Department of Water and Power, designed by Albert C. Martin & Associates, architect-engineers. The 17-story building is located on a 16-acre site near the Civic Center. Exterior vertical columns are opalescent olive-green granite veneer; canopies are off-white. Outside walls are of smoke-colored glass, set in aluminum frames. Construction, costing an estimated $32 million, is by Gust K. Newberg Construction Co.

Planning Commission chairman named—

Felix M. Warburg, affiliated with Lawrence Halprin & Associates, landscape architects of San Francisco, has been elected Chairman of the Marin County Planning Commission. He has been a member of the commission since 1960.

Largest building in Pacific Northwest planned —

Seattle First National Bank will erect a new bank-office headquarters building in downtown Seattle and, according to indications, it will be the largest structure of its type in the Pacific Northwest. Naramore, Bain, Brady & Johansen, Seattle architects-engineers, have been commissioned to design a structure that will be "the outstanding building on the Seattle skyline." Pietro Belluschi, FAIA, will be consulting architect, and Carl A. Morse, Inc., New York, will be construction consultants. Bank officials have said that they will make every effort to integrate the project into the overall development of Greater Seattle. The building, to occupy the entire block bounded by Third and Fourth Avenues, Spring and Madison Streets, has a completion target date of 1969. Early cost estimates of $20-$25 million have been made.

Idaho's contractor licensing requirements—

The 38th session of the Idaho Legislature has passed, to become effective September 15, 1965, a law whereby it will be unlawful to engage in the business of contracting without a license. A Contractors Licensing Board has been appointed and license fees will be charged. Exemptions will be for construction work for the U. S. Government, State of Idaho, or cities, towns, villages, counties, districts or political subdivisions thereof.

Proposition 14 now in California Constitution —

California's Proposition 14 which temporarily held up redevelopment projects in the state while being re-examined as to legal effect of the proposition thereon has resulted in (1) those projects which were under loan and grant contract on the date Proposition 14 (now Article I, Section 26 of the California Constitution) was approved, have been authorized to proceed without restrictions of any kind; (2) projects where planning has been completed but which were not under contracts are held in the status quo pending legal result of the effect of the proposition thereon. These were not to exceed four projects in such category at that time. (3) On projects where planning had been undertaken but not completed, local agencies were authorized to proceed on a restricted basis with instructions no new contractual obligations were to be created although agencies were authorized to keep their staff's intact. Some eviction or similar suits have been instituted challenging the constitutionality of the proposition and while none have been instituted directly involving an urban renewal project, they are expected. Proposition 14 was cited as one of the reasons for the recent Los Angeles riots (because of the housing clause).

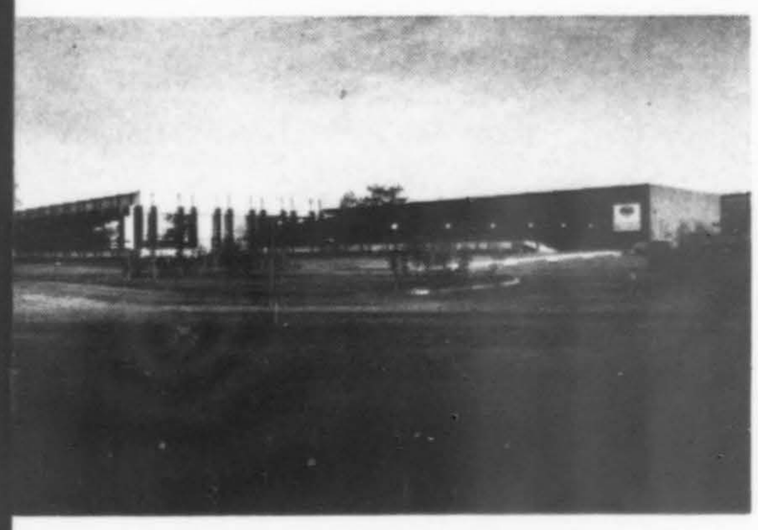
Boom continues at Lake Tahoe—

The Lake Tahoe (Calif.) building boom that began eight years ago in sale of lots in residential subdivisions has accelerated to the point where this year will be the biggest building year in the area's history. It is anticipated that by 1980 an additional 48,000 living units will be required to house area residents.

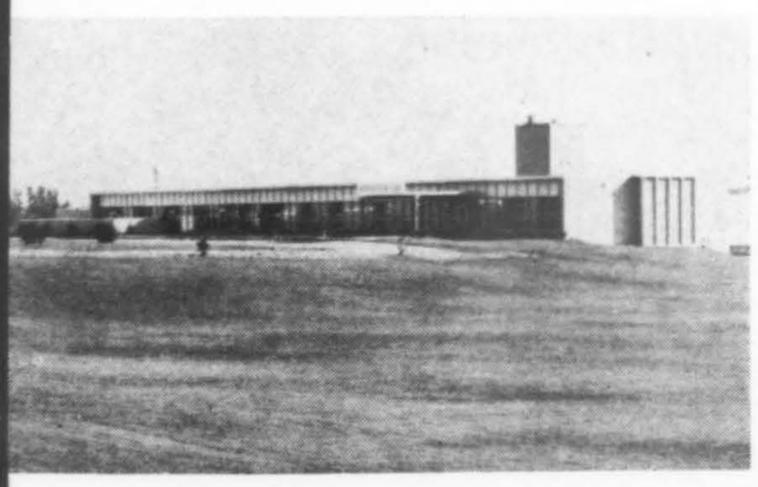
THREE PLANTS
cited by Factory Magazine

The Top Ten plants cited by Factory magazine in their 1965 program included three from the West, shown below. Over 6000 new manufacturing plants were considered in making the choices for the best new factories in the United States.

THE C. A. NORGREN CO., Littleton, Colorado. Architect: Moore & Bush, Denver. Contractor: Hansel Phelps Construction Co., Greeley, Colorado.



COLUMBIA RECORDS DIVISION, Columbia Broadcasting System, Inc., Santa Maria, California. Architect: William L. Pereira & Associates, Los Angeles.



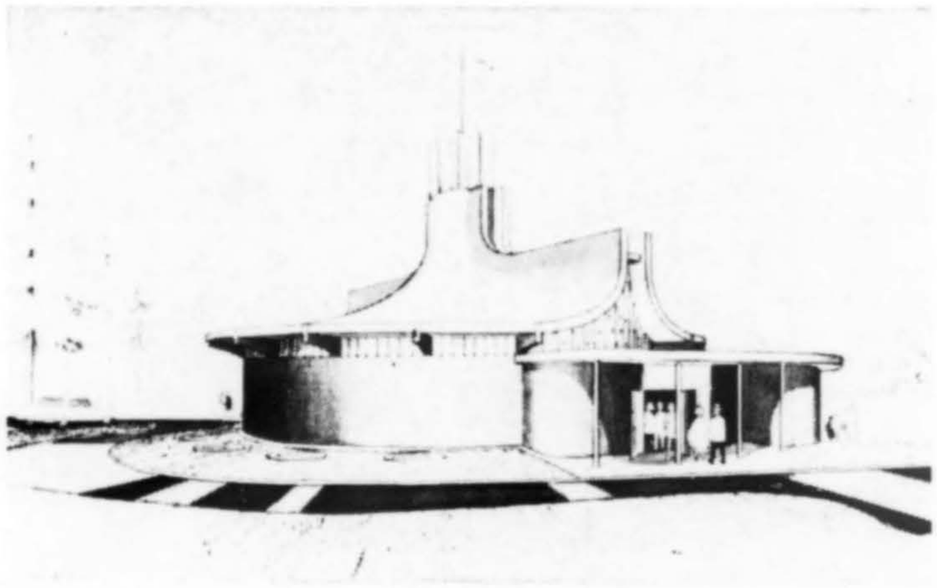
MUELLER CO., Pacific Coast Plant, Brea, California. Architect: Sverdrup & Parcel & Associates, St. Louis. Contractor: Swinerton & Walberg Co., Los Angeles.

PROJECT PREVIEW

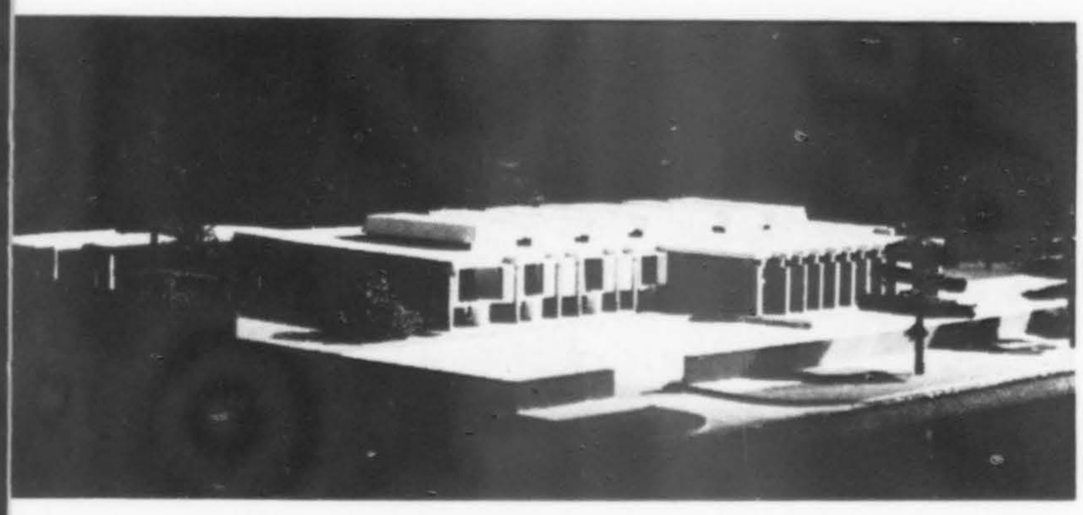
LOS OCHO de LAGUNA condominium apartments at Laguna, is on an exteremely narrow, steep site, with view of the Pacific Ocean and with small beach. There will be 16 duplex units, closely grouped and interlaced with public and private terraces. Parking is located at top with an inclinator for service. Buildings will be white stucco. Architect: Edwin L. Fields, Beverly Hills.

LAS TRAMPAS RESIDENTIAL SCHOOL for the Mentally Retarded at Lafayette, California, is one of first residential schools in state to apply for construction funds under Public Law 88-164, approved in 1963. Master plan includes administration building, school building, two dormitories, parking for 51 cars. Architects: Perata and Sylvester, Lafayette.

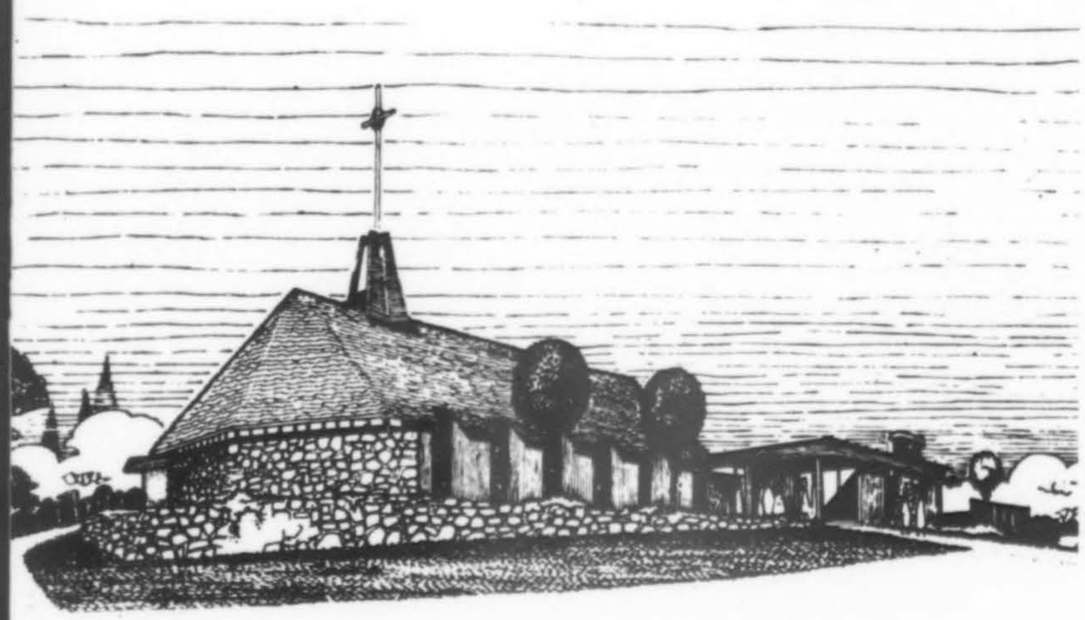
FEDERAL BUILDING, Spokane, Washington, will be nine stories, 280,000 sq. ft.; will be located next to existing Post Office. Exterior will be light colored brick. A landscaped forecourt will lead to the arcade surrounding building on four sides. Cost $6,015,000. Associated architects & engineers: Culler, Gale, Martell, Ericson, Norrie & Davis; McClure & Adkison; Walker & McGough.



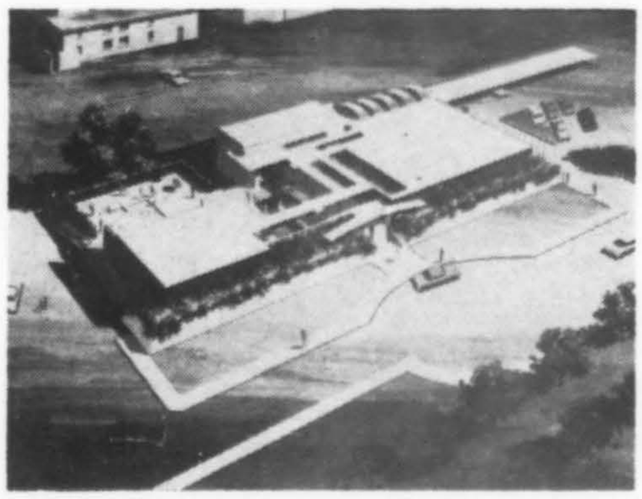
CEDAR HILLS COMMUNITY CHURCH, Portland, Oregon, will seat 350. Chancel, nave and narthex are round in plan. Exterior walls will be SCR brick, concrete floor slab on grade, crescent shaped glulam arches supporting K.D. wood roof joist and t&g plywood roof sheathing over which will be Neoprene-Hypalon roofing. Structure is adjacent to the original "A" frame starter church which will now serve as a chapel. Architect: Warren Weber.



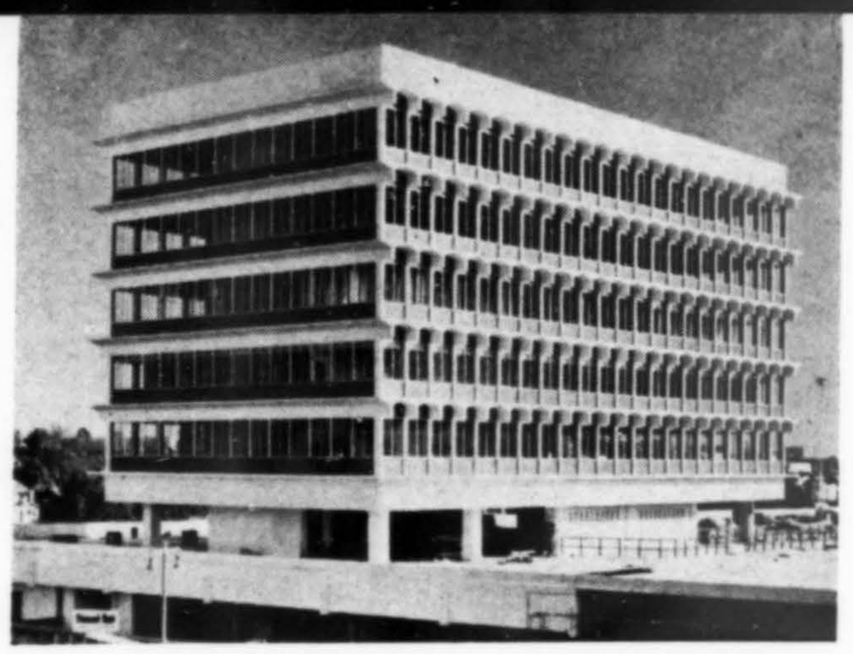
WOMAN'S CLINIC, Boise, Idaho, will house five or six gynecologists and obstetricians, will feature a "waiting corridor" in lieu of waiting rooms. There will be 12 examination rooms, parking for 40 cars. Construction planned for fall of 1965. Estimated cost $90,000. Architects: Bradford Shaw & Associates, Boise; Richard Williams, Twin Falls, mechanical engineer.



CHAPEL HILL UNITED PRESBYTERIAN CHURCH, Gig Harbor, Washington, is sited on a wooded hill overlooking the town. The one-story building has a sanctuary, fellowship hall, fireplace room, administration wing and 10 classrooms, will be wood frame construction and stone masonry with roof framing 3" cedar decking over laminated wood arches and beams. Roof over sanctuary is handsplit cedar shakes. Cost: $105,000. Architects: Johnson-Austin, Associates, Tacoma.



ADMINISTRATION BUILDING, family recreational center, Phoenix, will serve the local of the International Brotherhood of Electrical Workers for the area. Office, dispatching and recreation areas will be located above grade on a landscaped terrace with a meeting hall, capacity of 600, below grade. Pools and patio garden will enhance landscape. Architects: Daniel Brodsky & Associate.



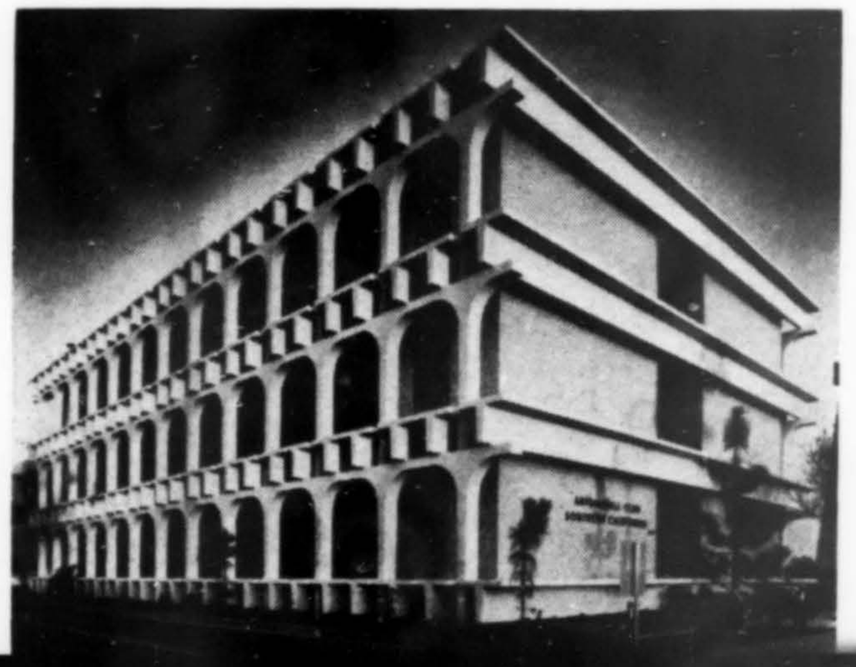
MacARTHUR - BROADWAY OFFICE BUILDING, Oakland, California. Architect: Irving D. Shapiro & Associates. Structural engineers: T. Y. Lin, Yang & Associates.

1965 awards for three Western projects from Prestressed Concrete Institute

Three of the eight Merit Awards given by the Prestressed Concrete Institute in their 1965 program went to the West Coast buildings shown on this page. Two additional Merit citations went to the California Division of Highways for the design of the Vicente Creek bridge in Monterey County and the MacKinnon Avenue Overcrossing north of San Diego. Welton Becket & Associates received one of the two Honor Awards for the North Carolina Mutual Life Insurance Building, outside of Architecture/West coverage.

VENTURA SAVINGS & LOAN ASSOCIATION BUILDING, Buenaventura, California. Architects: William L. Pereira, FAIA, & Associates. Structural engineers: Woodward Tom Associates.

AUTOMOBILE CLUB OF SOUTHERN CALIFORNIA, Beverly Hills-Westwood District Office. Architect: Welton Becket & Associates, Structural engineers: Stacy & Meadville.



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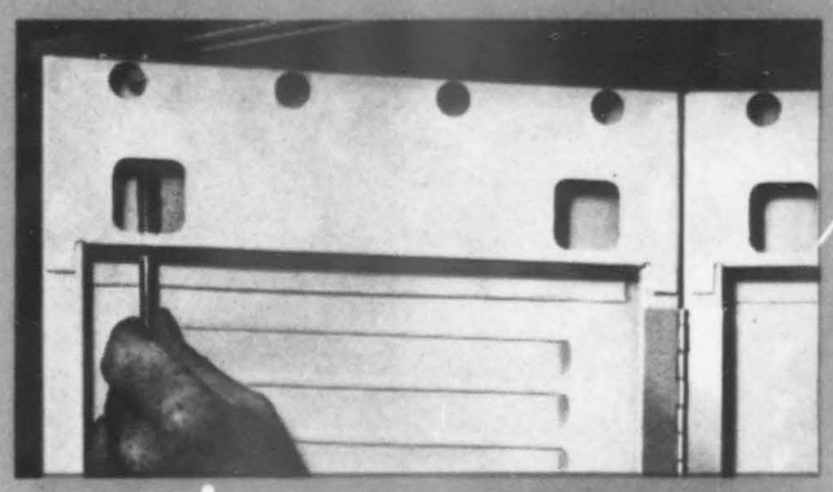

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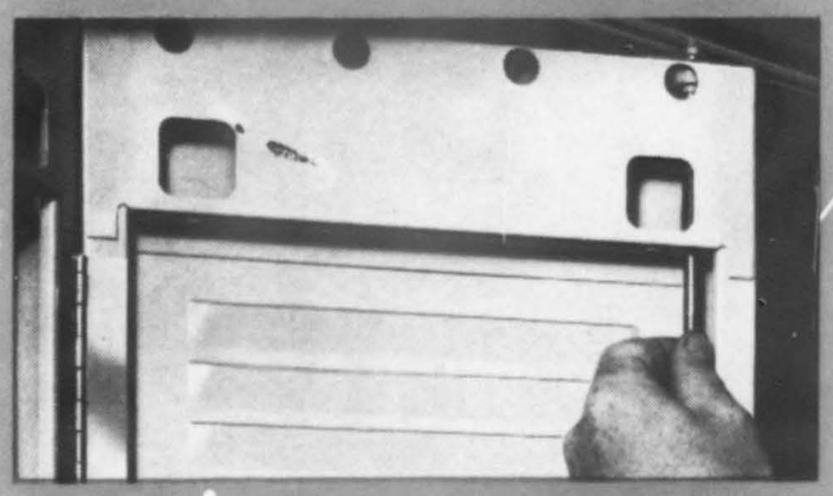

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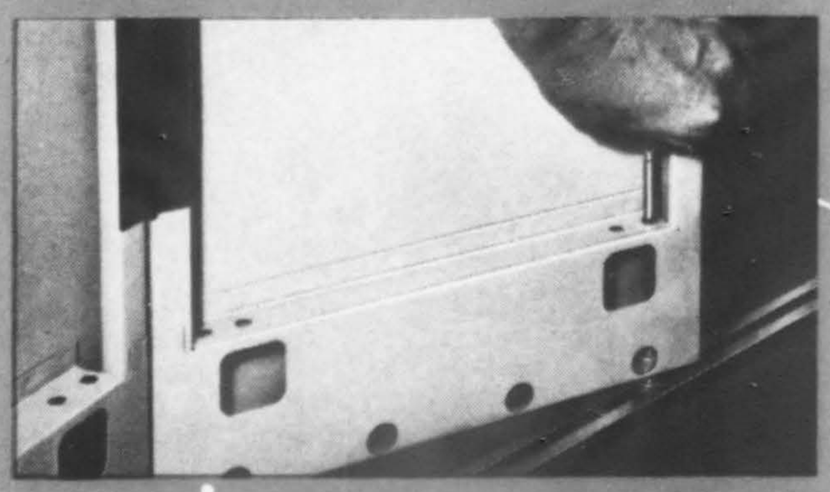

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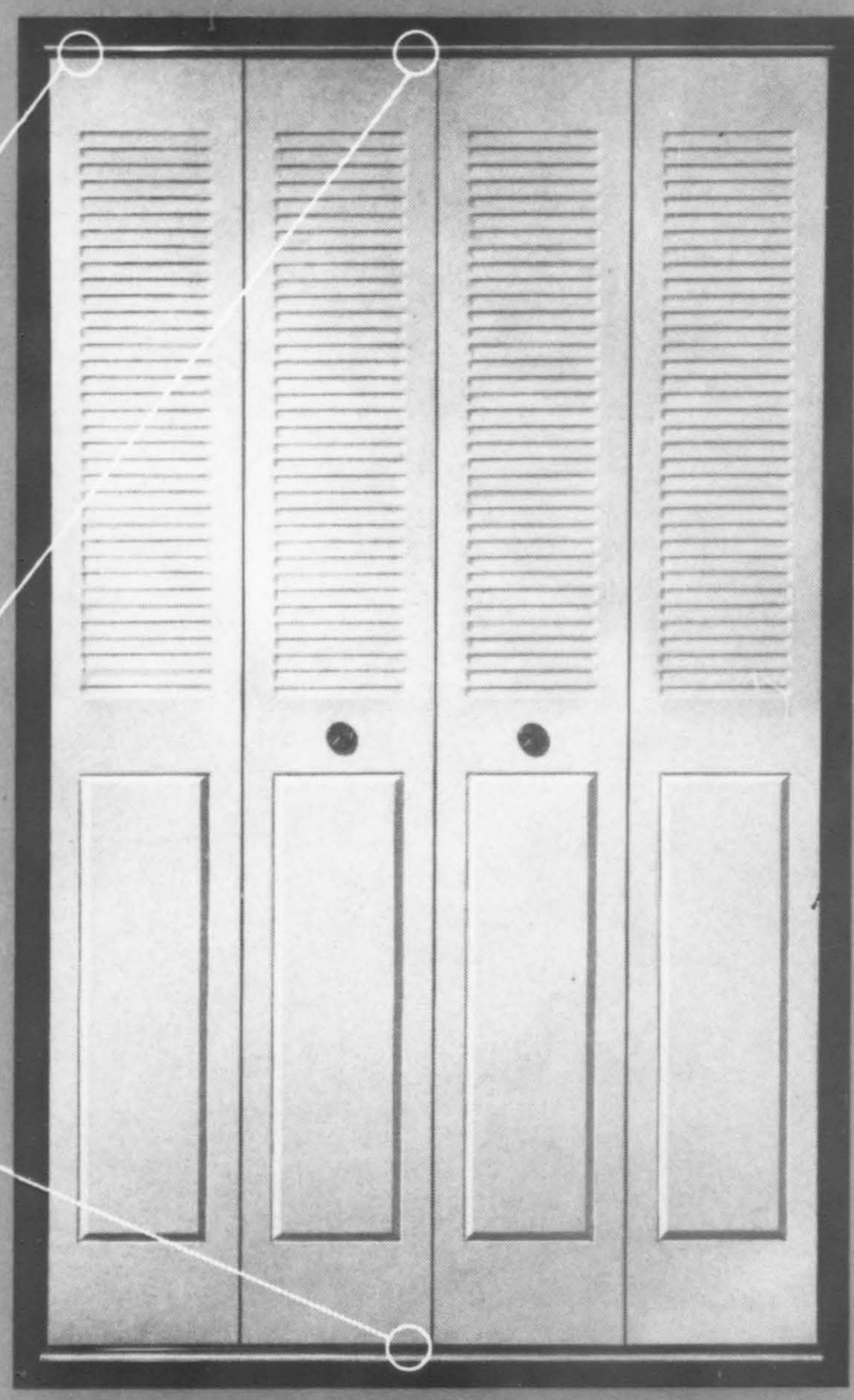

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CHURCH ARCHITECTURE ASSESSED AND RE-EVALUATED FOR TODAY'S COMMUNITY

A GROWING DETERMINATION that ecclesiastical structures should be up-to-date reflections of the new role the churches are assuming in the nation and in their communities was emphatically demonstrated at the 26th National Conference on Church Architecture held this spring in Chicago. Two immediate trends were crystallized at the conference: simplicity in design and a closer relationship between worship and education areas in the church plant.

The eight winning designs in the annual architectural competition accented the new era although the jury commented that none of the 86 buildings entered offered a fresh solution to the problem of relating worship to education.

Co-sponsored by the National Council of Churches Commission on Church Building and Architecture, the Church Architectural Guild and the American Society for Church Architecture, the 27th annual conference will be held in San Francisco next year.

Major speakers illuminated the new trends from their individual vantage points:

LOUIS KAHN
Architect, Philadelphia

It is my belief that the lectern should be to one side because *you should never take the position that you know the answer.* I visualize the arch as a continuing element in church architecture, provided that it be adjusted to demands of the time and to new materials.

HAROLD E. WAGONER
Past President, Church Architectural Guild

Ornate, cathedral-like edifices of the past few decades are going out of style as churches re-examine their mission in a changing world. *Congregations feel increasingly like participants in worship rather than witnesses of a spectacle.*

Central United Protestant Church of Richland, Washington, was cited as one of eight outstanding examples of contemporary church architecture constructed recently in the United States (and the only one from the West). The church was designed by the Seattle firm of Durham, Anderson & Freed.

THE REVEREND S. T. RITENOUR
Executive Director, New York City
National Council of Churches' Commission on Church Building and Architecture

Patterns of the past are not sure guides to future. I anticipate the need for smaller churches, housed in relation to apartment buildings, stores and new communities rather than merely formalized buildings. Future churches, I believe, will reflect the ecumenical dialogue by the multiple use of such facilities as fellowship halls by members of different communions in a single community.

DR. STANLEY I. HALLETT
Executive Secretary, Chicago
Department of Church Planning of the Church Federation of Greater Chicago

Church architecture represents a betrayal of mission when it erects expensive buildings in the midst of ugly suburban sprawl as a monument to human greed and costly independence.

DR. PAUL J. TILLICH
John Nuveen Professor of Theology
Chicago University

The failure of imitation (speaking of pseudo-gothic and pseudo-romanesque imitations) is that it is not born out of the creative inspiration of the builders of the original work. These buildings came out of the scientific study of things done in the past. They are done now without the unconscious symbol-creating side of the artistic process.

Religion and churches are the treasure chest in which revelatory experiences, the experiences of the holy in the past, are enshrined—and often enshrined in such a way that they are unapproachable . . . It would be the task of the churches to open these chests which they are themselves by words and acts which are able to communicate to our time.

New offices, changes, associations

☐ Shizuo Oka has opened architectural offices in the Kaimuki Branch, Bank of Hawaii, Honolulu. He was formerly a vice president in the architectural-engineering firm of Wilson & Associates, 1441 Kapiolani Boulevard.

☐ R. Allen Norris has joined the staff of John Graham & Company, Seattle architects-engineers, as a senior planner. He has been with the St. Louis County Planning Commission where he was responsible for the county's land-use plan.

☐ D. Lorin Jacobs, architect, has become an associate of the firm of Wayne Struble, 1005 E. Main St., Medford, Oregon.

☐ Ralph Martin and Toshio Makino have been named associates of Victor Gruen Associates, Beverly Hills, after five years service in key roles in the planning, architectural and engineering firm.

☐ Frederick Noel and Henry J. Hastings announce the formation of a partnership for architectural services: Noel & Hastings, Architects & Planners, 309 West Cabrillo St., Santa Barbara.

☐ Portland architect L. L. Dougan, of Dougan and Heims, retired on June 1. The firm of Dougan and Heims will now be known as Barnard H. Heims, Architect, with offices at 315 Pioneer Building.

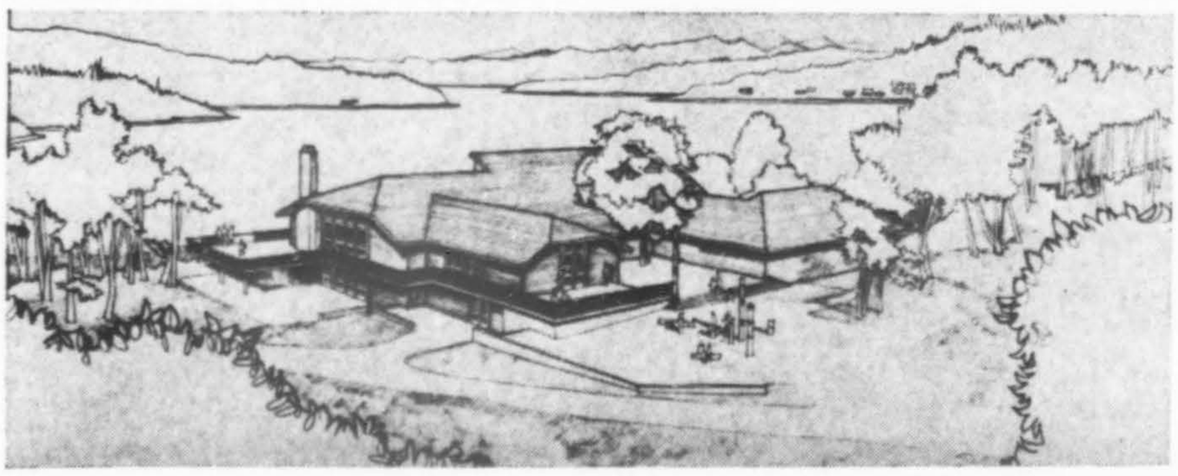
Competitions and commissions

☐ The City of Fremont, California, is conducting an AIA approved competition to select an architect for the city government building, for the Hall of Justice, and for the master plan for a new civic-cultural center. The competition is a single stage; applications for programs must be received by September 15. Registration closes October 1 and deadline for design submission is December 15, 1965.

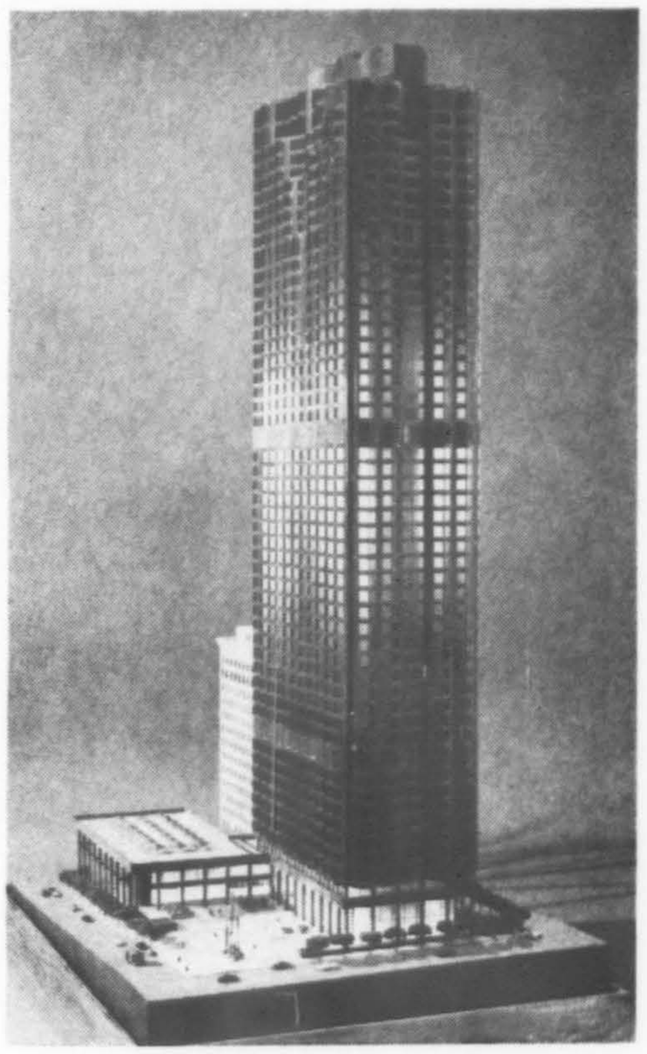
Jurors will be Pietro Belluschi, FAIA; Paul Rudolph, FAIA; John Merrill, AIA; Lawrence Halprin, ASLA; and former Mayor Raymond Tucker of St. Louis. Professional advisor is Jacob Robbins, AIA. Address communications to: Professional Advisor, City Hall, Fremont, Calif. 94538.

☐ *Adrian H. Malone & Associates,* Sheridan, Wyoming, have been commissioned by the Board of Trustees, Northern Wyoming College district, to prepare a master plan for the proposed expansion for Sheridan College . . . The Port of Pasco (Wash.) has appointed *Pence & Stanley,* Pasco architect and engineering firm, to design a new airport terminal. . . . *Whisler/Patri Associates,* San Francisco-Monterey architectural firm, has been named by the Crescent City (Calif.) Redevelopment Agency to complete plans for the city's second redevelopment project made necessary by the disastrous tidal wave that hit the city in March, 1964. The project has been labeled Tsunami, the Japanese word for tidal wave . . .

Skidmore, Owings & Merrill, Portland, have been retained to prepare a master plan for Sunriver, new residence resort community to be developed on a 5,458-acre tract on the Deschutes River in Central Oregon . . . *Wilsey, Ham & Blair,* Los Angeles, have been named to plan and engineer harbor facilities for the City of Santa Barbara – a $7 million marina expansion project in collaboration with the U.S. Army Corps of Engineers . . . *Naramore, Bain, Brady & Johanson,* Seattle, will design Seattle First National Bank's new headquarters.



Retreat Center, Burton, Washington, on Vashon Island, is an additional facility to an existing church summer camp. Primary function will be as dining hall and kitchen with use as social and educational center on year-round bass. Two-level building has cedar siding, cedar shingle roof. Cost: $80,000. Architect: Jack R. Vincent.



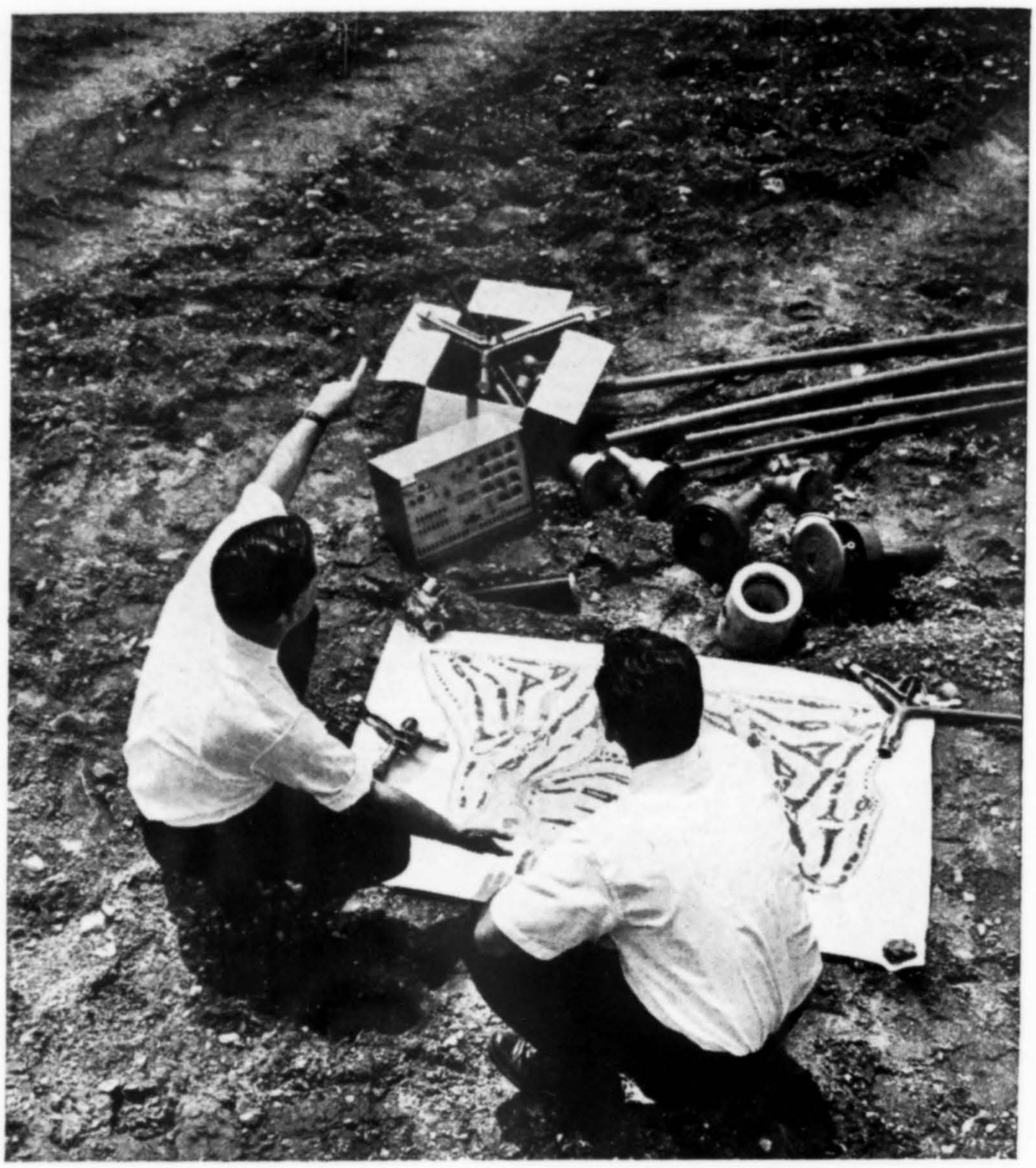
Bank of America World Headquarters Building, San Francisco, will be 52 stories, 750 ft. tall, with 1,900,000 sq. ft. of floor area, parking for 500 cars, 33 elevators, a plaza, and a tower, 135x250 ft. Exterior walls will be polished granite. Construction is expected to start in late 1966 or early 1967. Estimated cost: $85 million including land. Architects: Wurster, Bernardi & Emmons. Consultants: Pietro Belluschi, FAIA, and the New York firm of Emery Roth & Sons.

News notes

☐ The California architectural profession's first research grant was made in July by California Council, AIA, to Shlomo Angel, advanced student in the University of California's Department of Architecture. The $1500 grant will be used to delineate the scope and complexities of the many problems involved in the development of air space over and under California highways.

☐ Salt Lake City architect James C. Ritchie has moved to Kansas City where he has become associated with the architectural firm of Radotinsky, Deardorff & Associates.

☐ Adrian Wilson & Associates, Los Angeles, have been awarded what may be the largest military master planning contract to date. The Pacific Air Forces, Honolulu, have commisisoned the firm to execute architectural and engineering work in connection with 15 air bases, six in Viet-Nam and nine in Thailand. Work is all in-



News notes

clusive and will be performed in the Saigon and Bangkok branch offices.

☐ Sam Hurst, dean of the College of Architecture at University of Southern California, has persuaded Los Angeles Times columnist, Art Seidelbaum, to turn his column, "The Spectator", over to professionals during his vacation. The short series will pinpoint urban problems.

☐ James Hussey, Seattle architect, has been named chairman of Governor Dan Evans' Conference on Natural Beauty scheduled to be held this fall. He is a past chairman of the Seattle Municipal Arts Commission and a member of the Western States Arts Commission's Conference Committee.

☐ Robert W. Myers with the office of Haver, Nunn, Jensen, AIA, Architects, Phoenix, has won two national awards in the Construction Specifications Institute annual Specification Competition. Winning awards were: second place, Category "E" for the Garment Manufacturing plant of Henry I. Siegel Company, Eloy, Arizona; and Honorable Mention, Category "C" for the Boutell Brothers, Inc., Brooklyn Center, Minn., furniture store.

☐ Balch-Hutchason & Perkins, Los Angeles, have received an Award of Excellence in Electrical Design from the Southern California Edison Company in recognition of electrical excellence incorporated in the design of the California Credit Union League new headquarters, Pomona, and Chaparral Elementary School, Claremont.

Erratum

In the March '65 issue of Architecture/West, a paper on "The Chicago Plan—The Single vs. the Multiple Contract System" was published. Author-architect Edward H. Matthei corrects us on one point: at the end of the article we included a footnote stating that the Joint Industry Committee had been dropped for lack of funds. Actually, because of difficulties with the Builders Association, the Chicago Chapter, AIA, thought it best that each of the organizations pursue their independent paths until such time as there seemed basis for a joint effort. Subsequent to publication of the Chicago Plan, the Builders Association of Chicago Chapter, Associated General Contractors of America, withdrew their endorsement.

New locations

□ *The following address changes have been received:*

HANS H. RIECKE—3294 Vals Lane, Lafayette, Calif. from Richmond.

STANLEY C. EVANS—2000 Emigration Canyon, Salt Lake City.

MOWRY C. GILBERT—1019 Ellston, Colorado Springs from Castle Rock, Colo.

WESLEY M. MATTHEWS—10526 Sun City Blvd., Sun City, Arizona, from Phoenix.

FLOYD MUELLER—334 Canon Drive, Santa Barbara, from Ojai.

JOHN K. CRIST—2763 W. Broadway, Los Angeles.

MAC A. CASON—7202 Via Capri, La Jolla, from Sierra Madre.

MARVIN E. WILLIAMS—161 E. First St., Mesa, Arizona.

JAMES R. DEREMIAH—2930 E. Manor Drive, Phoenix.

JOHN B. BOYD—3060 Atwater Drive, Burlingame, from Palo Alto.

RAYMOND S. SMITH—815 N.W. 72nd Way, Vancouver, Wash., from Portland.

ROCHLIN & BARAN, AIA, & ASSOCIATES— 10883 Kinross Ave., Westwood Village, Los Angeles.

N. K. VAN OSDOL, JR.—339 S. Robertson Blvd., Beverly Hills.

TOM HITE—7799 Elmwood Lane, Denver.

CHARLES & ARTHUR SCHREIBER—Two West Northern Ave., Phoenix.

BYSTROM & GRECO—Suite 400, Century Bldg., 10 Harrison St., Seattle.

FRANCIE E. LEIGHTON—2550 Valley Rd., Suite 4, Sacramento.

LAWRENCE E. MATSON—413 "B" St., Idaho Falls.

ROGER LEE ASSOCIATES—633 Battery St., San Francisco.

FRAPWELL AND GHEZI—2019 - 24th St., Bakersfield.

NEW MEXICO ARCHITECTURE—2745-A San Mateo Blvd. N.E., Albuquerque.

L. S. HIGGINS, AIA, & ASSOCIATES—1044-116th N.E., Bellevue, from Seattle.

WRIGHT & METCALF—2322 "E" St., Bakersfield.

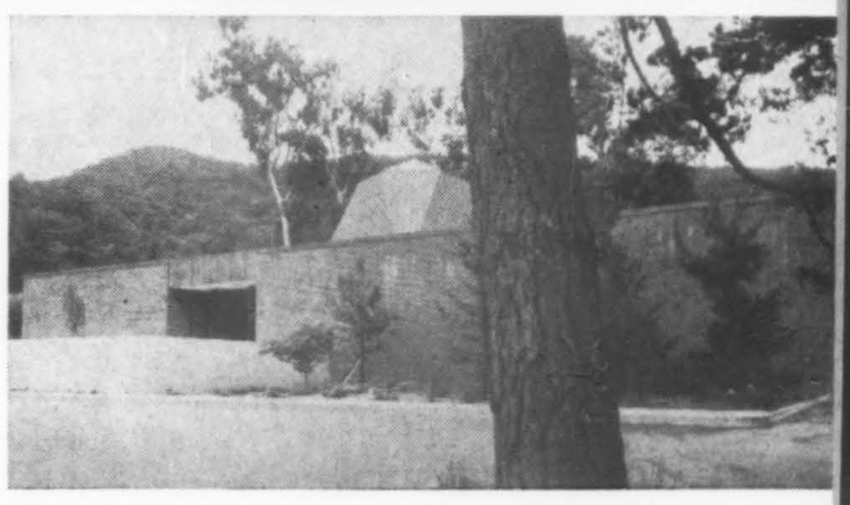
CHARLES GORDON LEE—201 Unversity Boulevard, Denver.

DONALD J. CHRISTENSEN—216 Perkins St., Oakland.

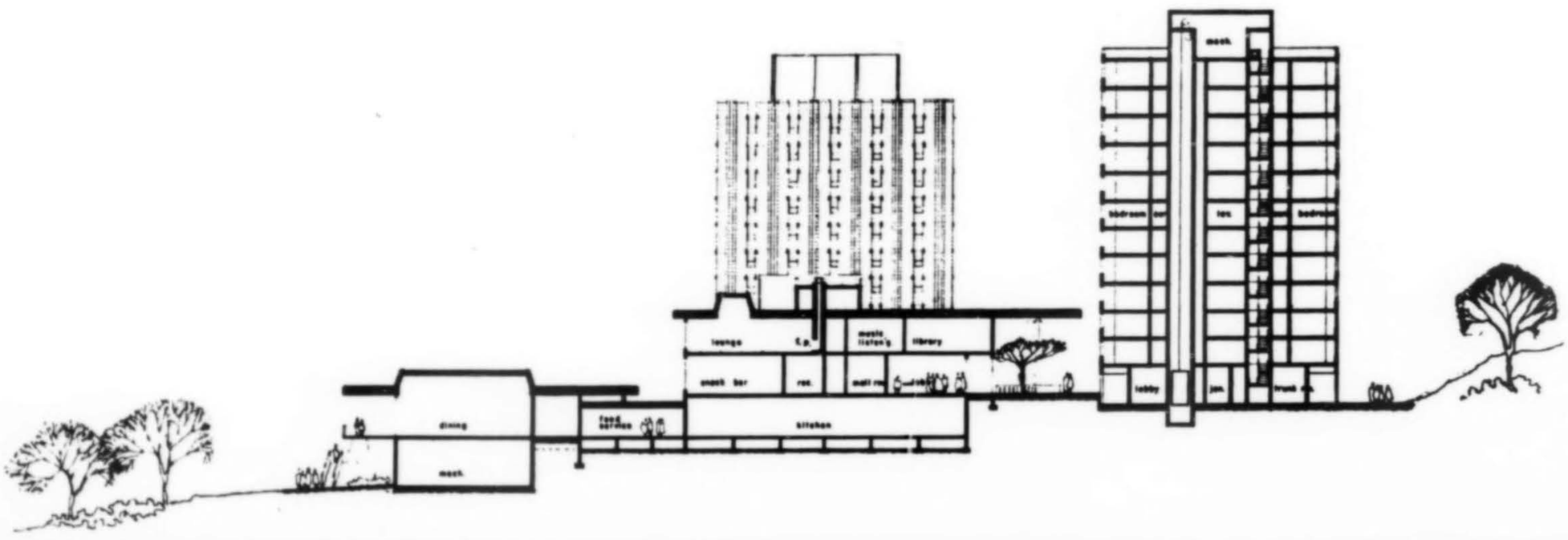
SAM CHANG—Suite 514, 1240 Ala Moana Blvd., Honolulu.

JOHN A. DUFFY—3401 Colorado St., Long Beach.

YOUNG WOO—3763 Mayfair Drive, Los Angeles.



Two Honor Awards for "excellence in design and use of unit masonry" were made to architects Henrik Bull for the Lyon residence, San Rafael, above, and to Marquis & Stoller for the Rodef Shalom Synagogue in San Rafael. The awards were among 14 given in the 1965 Masonry Awards program presented this year by the San Francisco Masonry Industry Promotion Trust Fund.



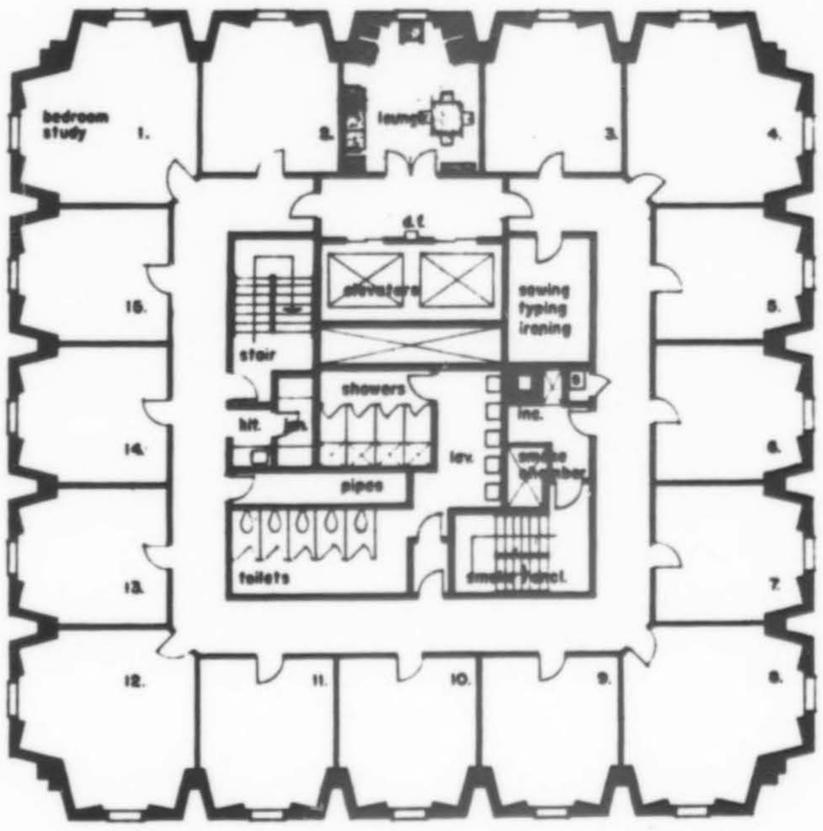
Job of the Month:

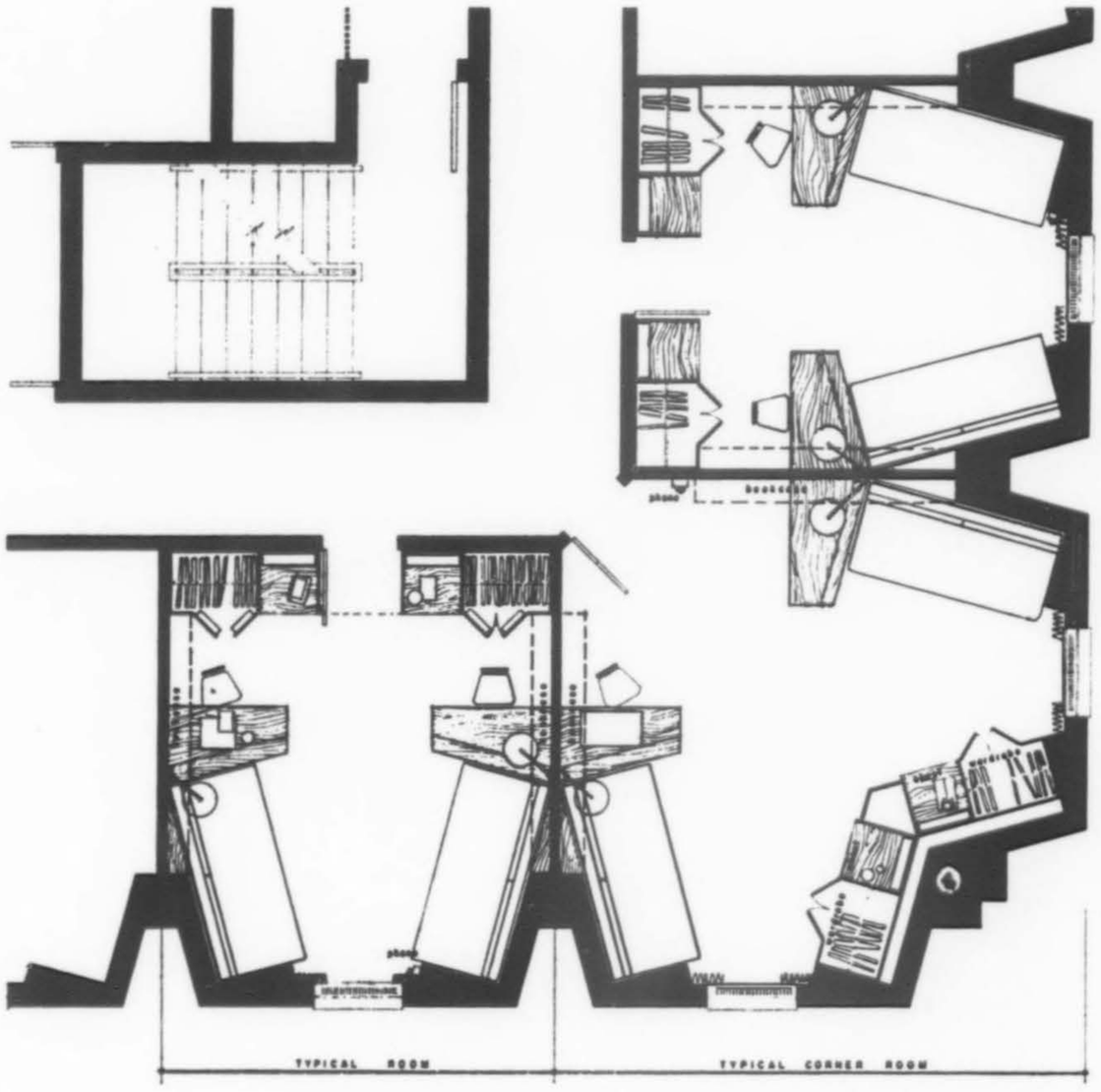
COEDUCATIONAL DORMITORY COMPLEX for Washington State University | Pullman

THIS DORMITORY complex was programmed to provide housing, dining, kitchen, and recreational facilities for 1028 students. The ability to adapt any space to use by either men or women was a prime consideration and the tower building concept was preferred by administrative and maintenance personnel.

Being constructed on a site immediately adjacent to the main entry to the Washington State University campus, this project carries a heavy design responsibility toward the total campus. Seen from downtown Pullman, or in fact from any view point to the west, this complex represents the southern terminus of the campus facade, the balance being primarily composed of the older existing buildings. The architects have attempted to satisfy these design requirements through building scale and through the use of red brick, the dominant material of the old campus. Because of cost, recent projects at WSU (including one by this firm) have been of exposed concrete. However, the architects' preliminary cost studies of proposed wall systems indicated brick could be used. Later bids proved these correct: against the preliminary estimate of $4,153,466, the low bid was $4,097,289. (This is for the first phase work, which includes approximately two-thirds of the total housing and all common facilities.)

Projected construction completion date for first phase is September 1966.





Furnishings and interior design studies are being completed by the architects. The study rooms represent a moderate variation from past layouts by this institution, with an effort toward a greater feeling of space and variety within a standard module. All room furniture is architect-designed and will be purchased through normal bid procedures.

WALKER & McGOUGH
ARCHITECTS

Structural Engineer:
Lyerla & Peden

Mechanical Engineer:
Lyle E. Marque

Electrical Engineer:
Joseph M. Doyle

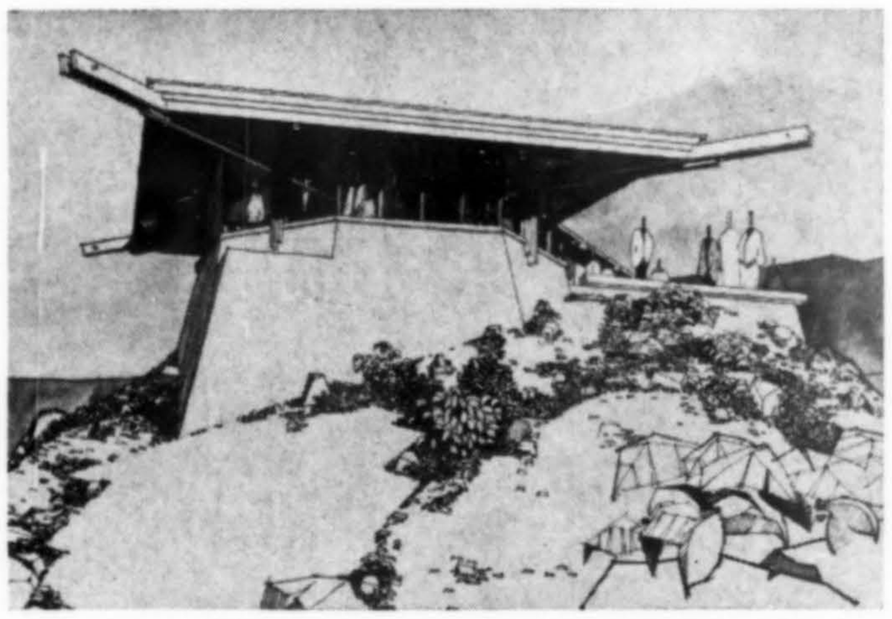
Landscape Architect:
Keith L. Hellstrom

GENERAL CONTRACTOR:
MAX J. KUNEY COMPANY

DAM VIEWPOINTS . . .

VISTA HOUSES for scenic viewing of two of Washington state's largest dam projects have been approved.

The upper sketch is of the proposed vista house on Seattle City Light's $85 million Boundary Dam, now under construction on the Pend Oreille River in the northeastern part of the state. Architects Walker & McGough, Spokane, have planned a 30-foot octagonal,

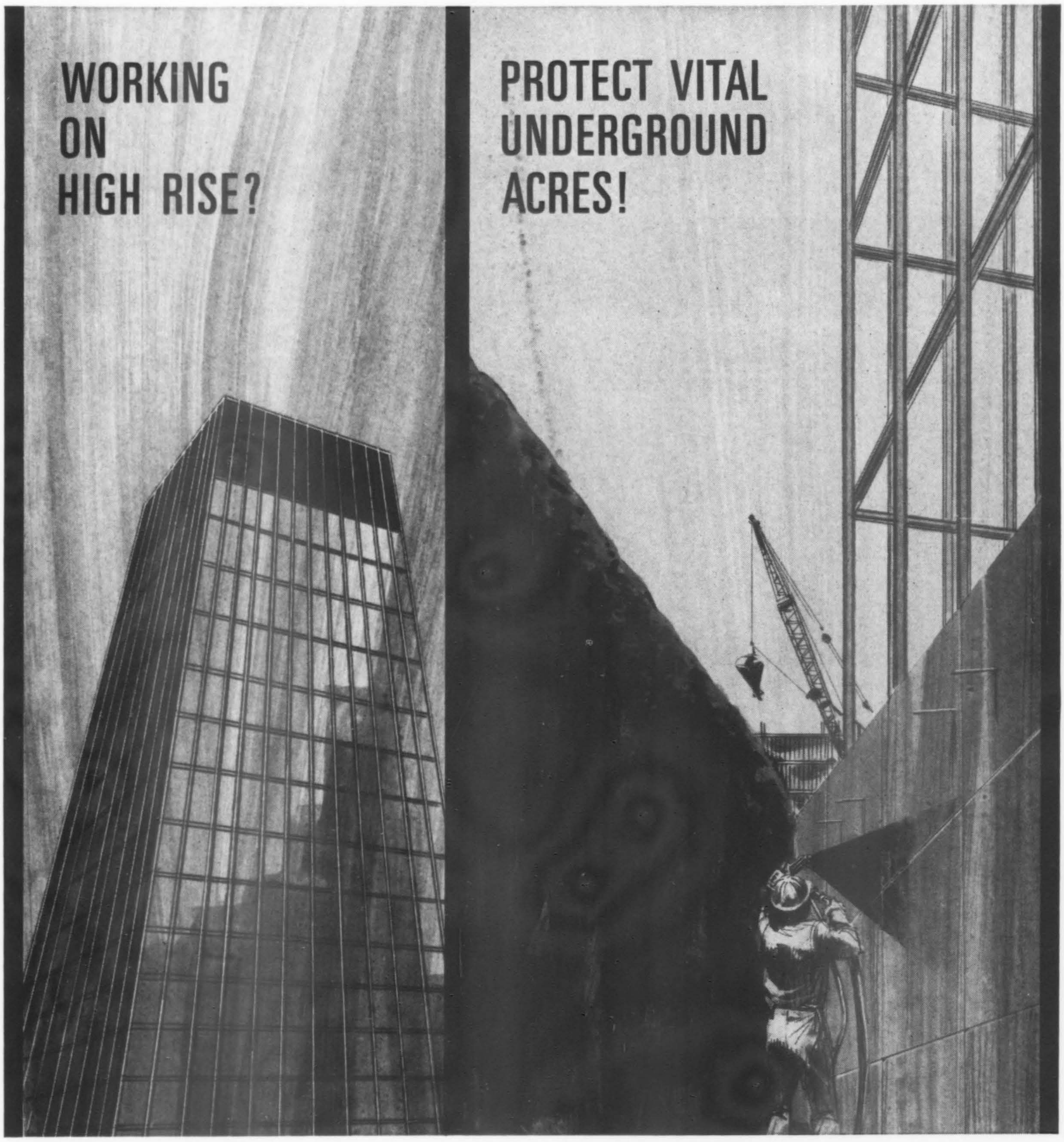


glass-enclosed room flanked by observation platforms and adjoined by a restroom area. The view spot commands a panoramic view of river, dam and mountains. The structure will be of wood frame with concrete foundations and a cedar shake roof. The center pylon inside will be used for displays.

The tour center at Wanapum

Dam in south central Washington (lower sketch), has been designed by Seattle architects Hovind, Harthorne & Smith. Precast concrete panels with basalt rock facing will form exterior of the 50x50-ft. structure. The only windows will be small panels on one end and the major portion of the walls will be without windows to allow for the display of Indian artifacts and handicraft, early day mementoes.

Visitors will view the dam from a covered balcony extending along one side and one end of the one-story building.



Positive waterproofing and dampproofing protection is needed for those acres and acres of below-grade structure. Wherever walls in foundation areas contact soil and moisture, skin-tight sealing is vital. ■ Over the years Flintkote on-the-job waterproofing and dampproofing performance records remain unmatched. Flintkote's broad experience, specialized products, and detailed specifications cover such varied conditions as floating membrane between slabs, extreme hydrostatic conditions, and vertical and horizontal membranes—hot or cold applied. Example: Safe, simple E-M-W spec is *cold applied*. Alternate layers of Hydralt C-13-E protective coating and Yellow-Jacket reinforcing glass fabric quickly build up to a tough, homogeneous cover that lasts indefinitely. ■ E-M-W gives complete membrane integrity. It works itself into surface irregularities to actually become a smooth, inseparable part of the wall's surface. ■ **E-M-W protects those vital underground acres.**

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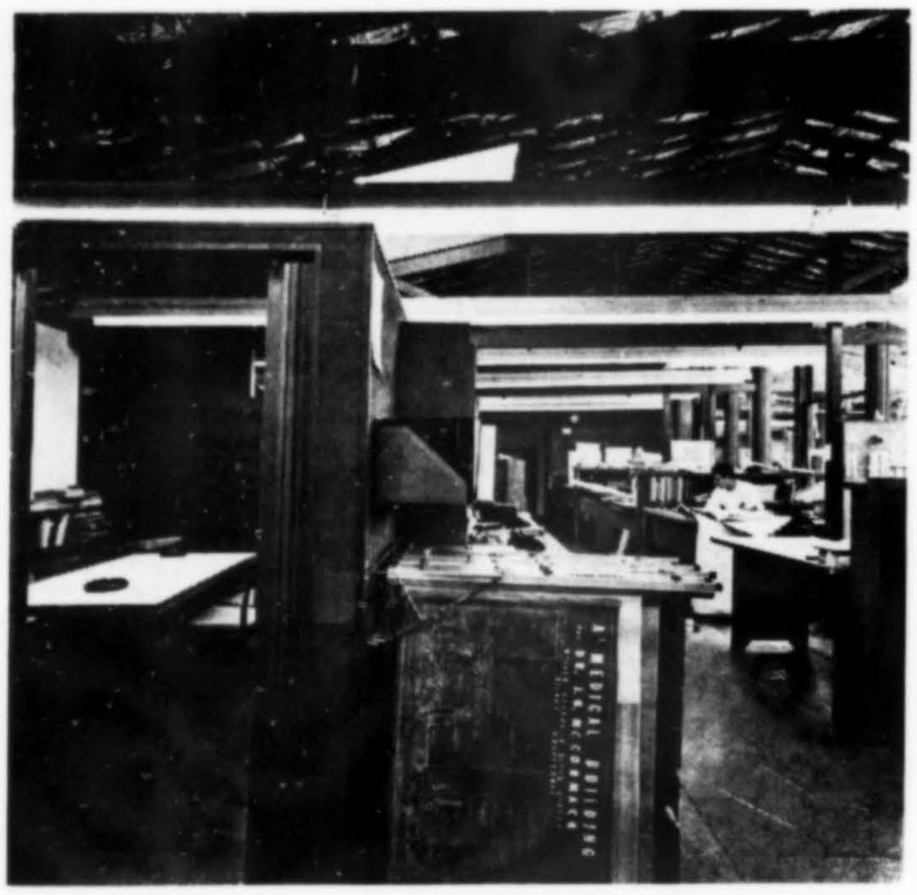
☐ Arch. ☐ Contr. ☐ Roofing Contr. ☐ Builder ☐ Plant Eng.

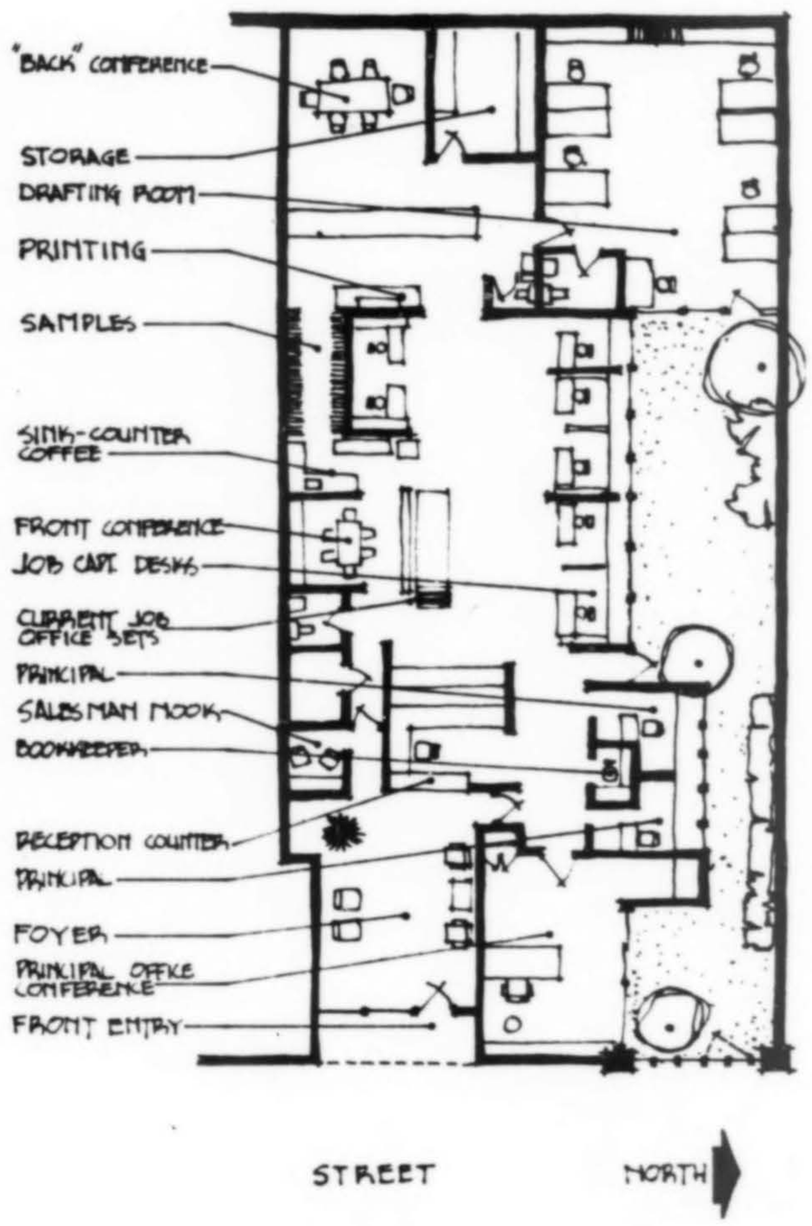
Discuss specific below-grade problem _____

_____

Coupon No. 10

Where the Architects Hang their Hats . . .





Rondal Partridge photos

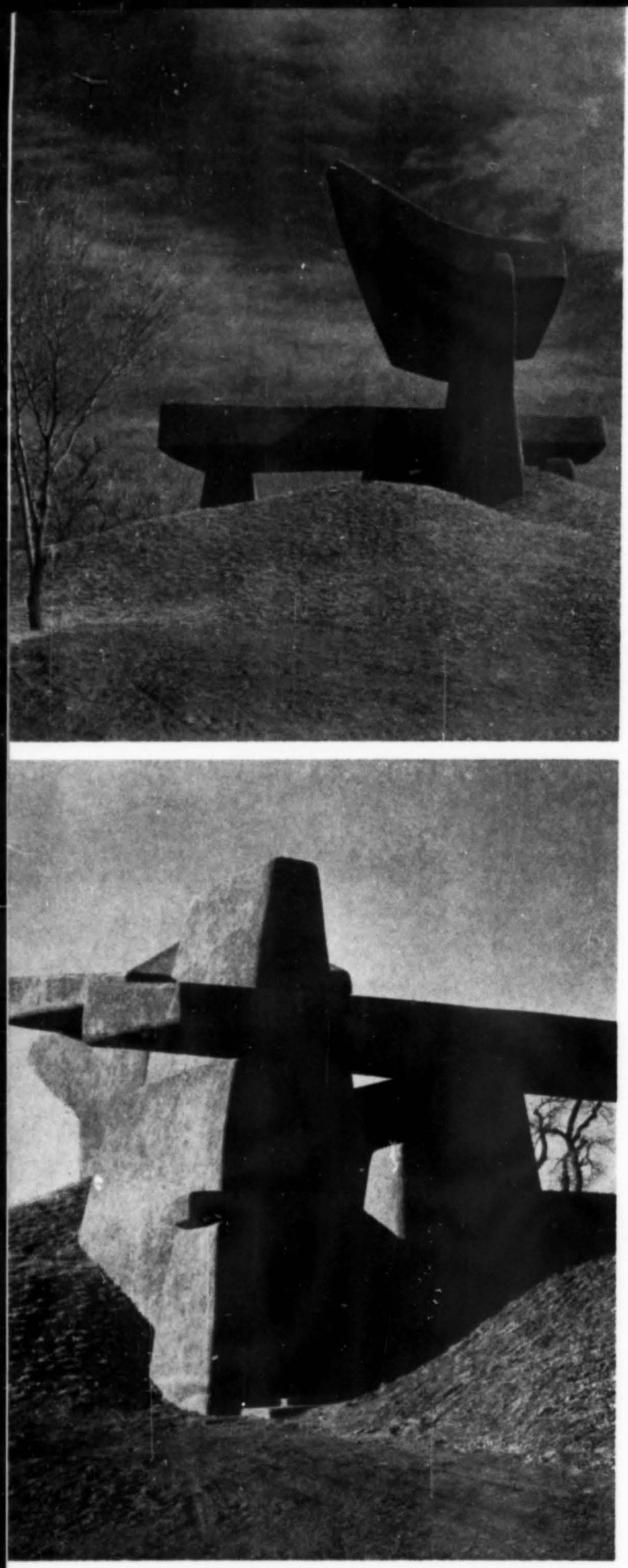
RATCLIFF-SLAMA-CADWALADER | Berkeley-Oakland

AN OFFICE in a one-story warehouse building (actually a remodeled garage) doesn't sound too prepossessing for an architectural firm. But the location was deliberately chosen by Ratcliff-Slama-Cadwalader because of the general accessibility to the surrounding area.

A somewhat dull street environment resulted in the inclusion of a large interior courtyard in the remodeling plans achieved by ripping off the roof, leaving exposed trusses. Not only does the courtyard give a cheerful outlook to their quarters (half of the garage structure), it allows north light into most of the office, especially in the drafting areas. The openness of the 3500 sq. ft. area is emphasized by low partitioning and the rough character of the original structure: large wood trusses and open ceiling framing has been retained by the use of resawn redwood as the principal finished material. In offices and reception area, floors are tile with bright area rugs. Furnishings are in harmony with the open wood building.

The firm, reorganized in 1961, is successor to the 55-year-old architectural practice started in Berkeley by W. H. Ratcliff, Jr. Principals in the firm are Robert W. Ratcliff, Murray A. Slama and Burns Cadwalader, all with degrees in architecture from the University of California. The office employs, in addition to the principals, five to 15 people, and operates on the basis that each project should be handled from start to finish by the same people. For this reason they do not have a departmentalized concept of a design staff, working-drawing staff and specifications staff. Instead, each project is developed by one or more principals and a regular architect member of the staff who becomes the project architect. This team is involved in the project from the initial conceptual stage through the supervision of construction. The firm believes that this approach develops a staff with more rounded experience and outlook and, at the same time, maintains a closer architect-client relationship.

The firm has a general practice ranging from residential remodeling through multi-million dollar public and private projects.



SEEMINGLY TUMBLED-DOWN and half submerged in earthen barrows, this construction has the giant scale, the elemental strength and mystery of some Stone Age chromlech like the Stonehenge. Contrary to first impressions, however, it is no Neolithic ruin but a modern construction erected with every benefit of modern technology. Built of sprayed Gunite concrete surfaces supported on a frame of welded steel pipe, the calculations and assembly were done so accurately that all members could be constructed on the ground and lifted into place by a huge derrick.

Towering 45 feet above surrounding fields and more than 100 feet in horizontal dimensions, the Henge is an enormous sculpture. It is big enough to walk through and under as well as around. Like drifting sand dunes, mounds of earth pile against and between portions of the construction and serve as an integral part of the composition. By means of these mounds the viewer approaches different sections of the configuration at varying levels. A strong impulse directs him to explore it, to scramble up a rising earth mound and enter the moving complexity of the shapes and spaces.

One may possibly discover somewhere on the Henge's periphery a stone grotto containing an iron-clad door. Pushing this aside one creeps along a crooked, dark passageway until he suddenly is plunged into a high, white-plastered, light-flooded hall. As a shock comes the realization that what appeared from the outside to be solid megaliths are in reality hollow forms. This interior volume, confined by prismatic surfaces of white plaster which stretch between crisp, white-painted steel members of the structural framework provides a kaleidoscopic sequence of shapes and spaces which in its own way is as bewitching as the overwhelming massing of the exterior.

As though a work of art were not a sufficient reason for being, someone inevitably asks the question, "Well, what is it for?" But even on this ground the Henge is versatile: among other things its serves as a lookout tower, a picture gallery, a drafting studio, a storage room. Family birthday banquets are held here, and for the children of the family it must indeed be an enchanted castle, as stimulating and evocative as any word picture painted in Mallory's King Arthur.

From inside as well as from outside, the Henge provides a sequence of aesthetic sensations which derive from the interplay of positive and negative spaces. The public is accustomed to viewing sculpture from the exterior but infrequently from within. Architecture concerns itself with interior space but usually the designer, concerned primarily with utilitarian considerations, is not free to engage in spatial explorations. A simultaneous exploration of outside and inside space on a monumental scale has been the challenge of this unique commission.

This brings us to a final point—the role of the client. Although he insists on complete anonymity and permits the publication of the Henge only out of regard for the sculptor, the client must be mentioned as an active participant in the evolving plans for the Henge. Far from the usual acquisition of an art object—a matter of writing a check, arranging for the finished work of art to be trucked in and set up to be then enjoyed—the Henge evolved as would a major improvement in the private park of an eighteenth century patron.

This abridged article by Bainbridge Bunting is reprinted courtesy of NEW MEXICO ARCHITECT, Mar-Apr/64 issue.

THE HENGE

J. Frederick Laval photos

on an expansive prairie somewhere in New Mexico completed October 1963 by Herbert Goldman, Sculptor

disarming quarters for doctors and dentists among the madronas--

BURIEN CLINIC FOR GROUP HEALTH COOPERATIVE OF PUGET

To BETTER MEET the high costs of providing medical services in today's society, a growing number of group health plans has been evolved. One of the most successful of these in the Northwest has been the Group Health Cooperative of Puget Sound. A number of hospitals and clinics have been constructed to serve the cooperative's members. One of the newest is the Burien Clinic, opened in 1964.

Serving a large suburban area of southwest Seattle, this new medical-dental facility is located on a large site well-endowed with groves of madrona trees. The mass of the 14,000 square foot building (main floor area, over 4800 square feet of basement) has been broken down into long, low wings, separated by four courtyards. The deft insertion of the building into the native cover results in a residential character which should disarm the trepidations of all who enter.

Materials are unassuming: stucco exterior finish with plasterboard interior walls, all wood-framed. Ceilings are of acoustical tile or wood strip; vinyl-asbestos resilient floors are used except for ceramic tile in toilet areas. Asphalt-paved parking (again amongst the trees) has a capacity for 51 patients and 19 staff members. Construction totaled $370,000.

Ten physicians (including two pediatricians) and four dentists serve in the Burien Clinic.

Mechanical Engineer: Stanley G. Webster

Electrical Engineers: Beverly A. Travis and Associates

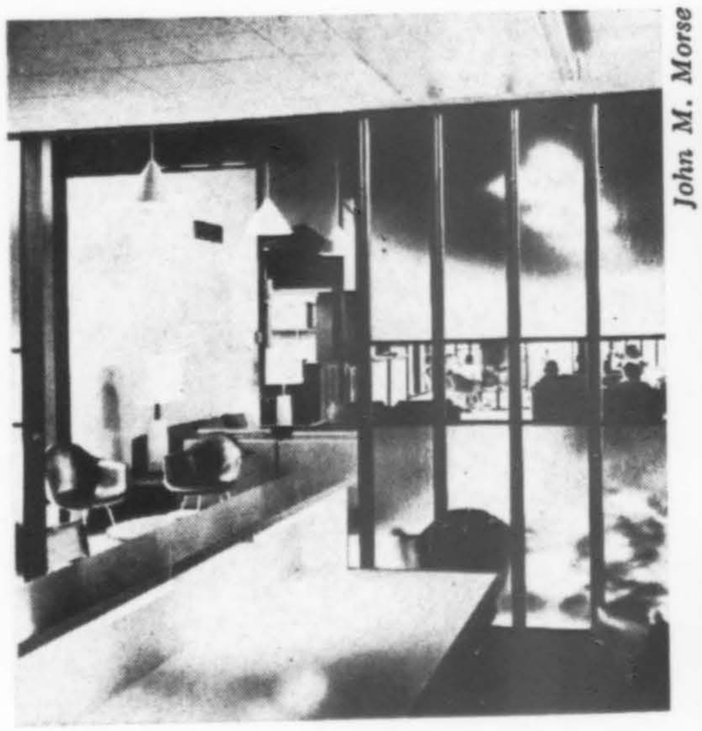
Contractor: W. G. Clark Company

BASSETTI & MORSE, Architects

John M. Morse, Project Designer

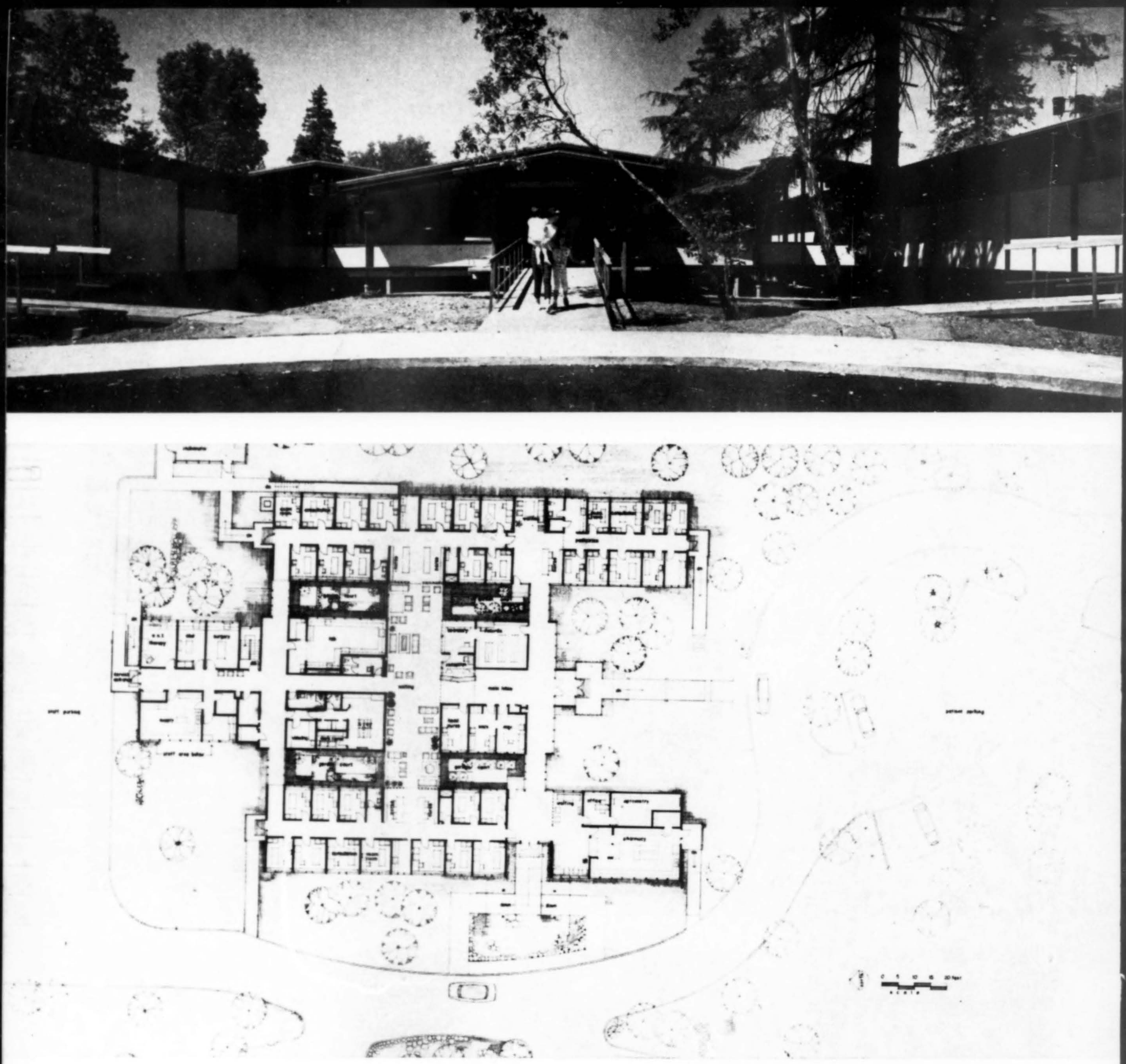
Hugh N. Stratford photos unless otherwise noted

SOUND | SEATTLE



John M. Morse

John M. Morse



BURIEN CLINIC

A COMMERCIAL BUILDING OF DISTINCTION
in Pasadena

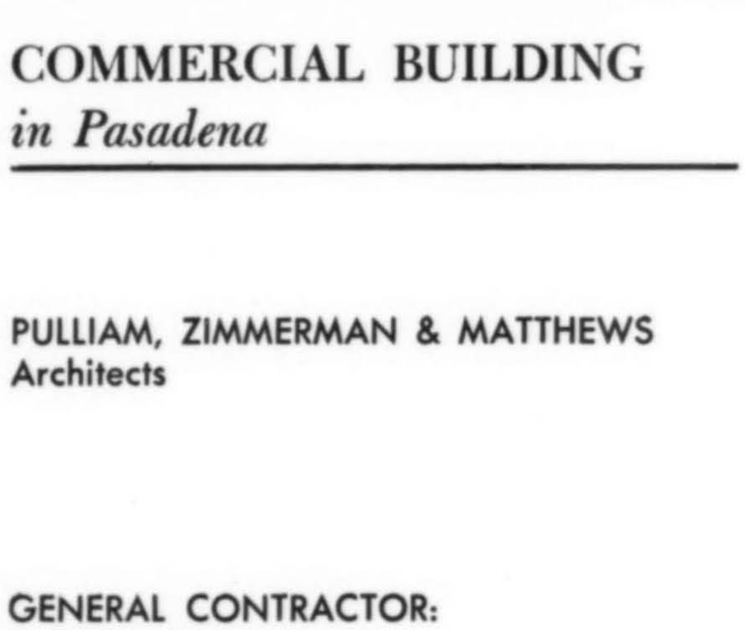
COMMERCIAL BUILDING
in Pasadena

PULLIAM, ZIMMERMAN & MATTHEWS
Architects

GENERAL CONTRACTOR:
Ted Tyler

ENGINEER: Robert Marks

LANDSCAPE ARCHITECT:
Hahn & Hoffman



BREAKING with conventional merchandising practice, Pasadena's 232 South Lake Avenue Building is set back from the sidewalk some thirty feet to create a landscaped forecourt and sidewalk restaurant. Similarly, the east building line setback, adjacent to the parking, provides open space for a reflecting pool in a landscaped area.

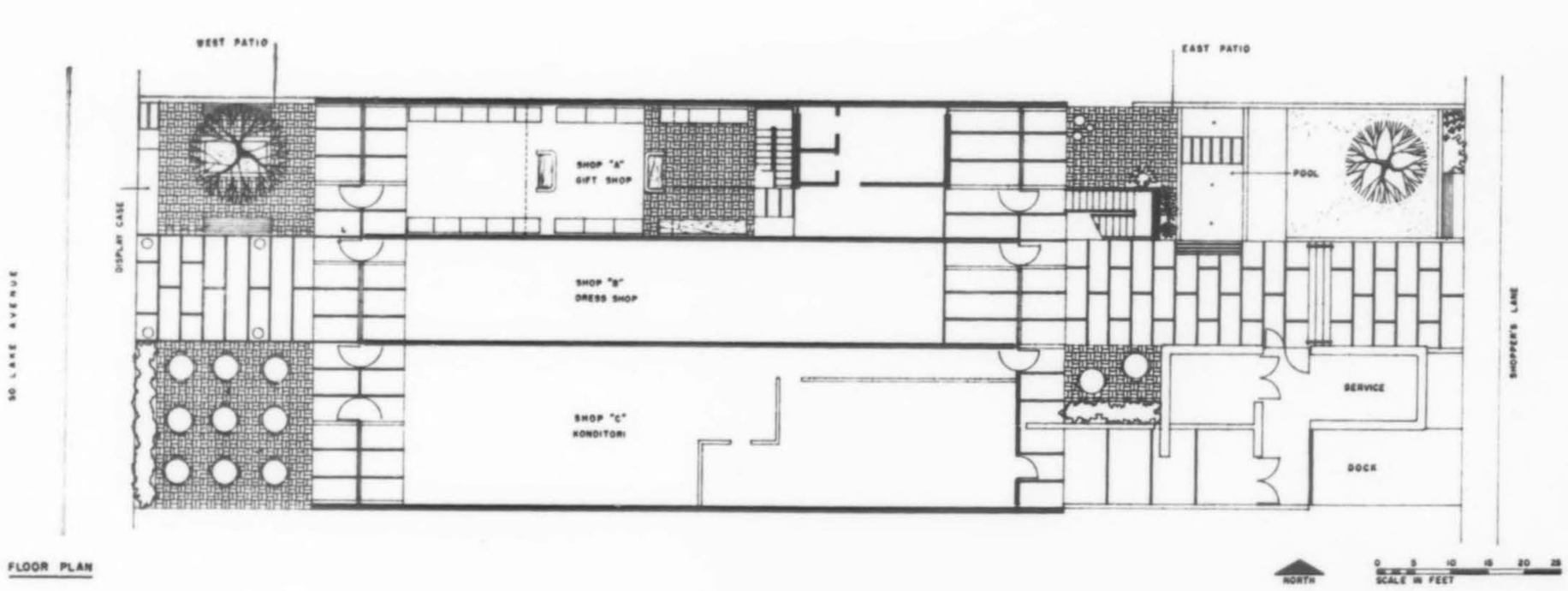
Having provided outside amenities to make shopping more pleasurable, the architects designed handsome quarters within the building for various shops. Planned for great flexibility of interior space, the structure now houses three ground floor shops: an art-accessories-gift shop; a dress shop; and a Swedish pastry shop and restaurant. A mezzanine space is reached by an exterior staircase (see photo at left).

Materials are directly handled and precisely detailed. Exterior walls are reinforced brick masonry, sand-blasted, with raked joints. East and west walls are glass set in a steel frame designed to resist lateral seismic stresses. Interior columns and girders are also steel. Floor, roof, and interior partitions are of wood frame.

Quality finishes used throughout manifest a quiet elegance: flooring of paving brick, pebbled concrete and carpet; walls of smooth plaster and teak paneling; ceilings of textured plaster and teak.

November, 1961, marked the completion date.

SECTION AT GIFT SHOP



FLOOR PLAN

Marvin Rand photos

ADMINISTRATION BUILDING
for Contra Costa County

MARTINEZ, CALIFORNIA

FREDERICK L. R. CONFER
& Associates | Architects

JAMES E. ROBERTS CO.
General Contractors

Campbell, Ricco, Mazzuchi Photography

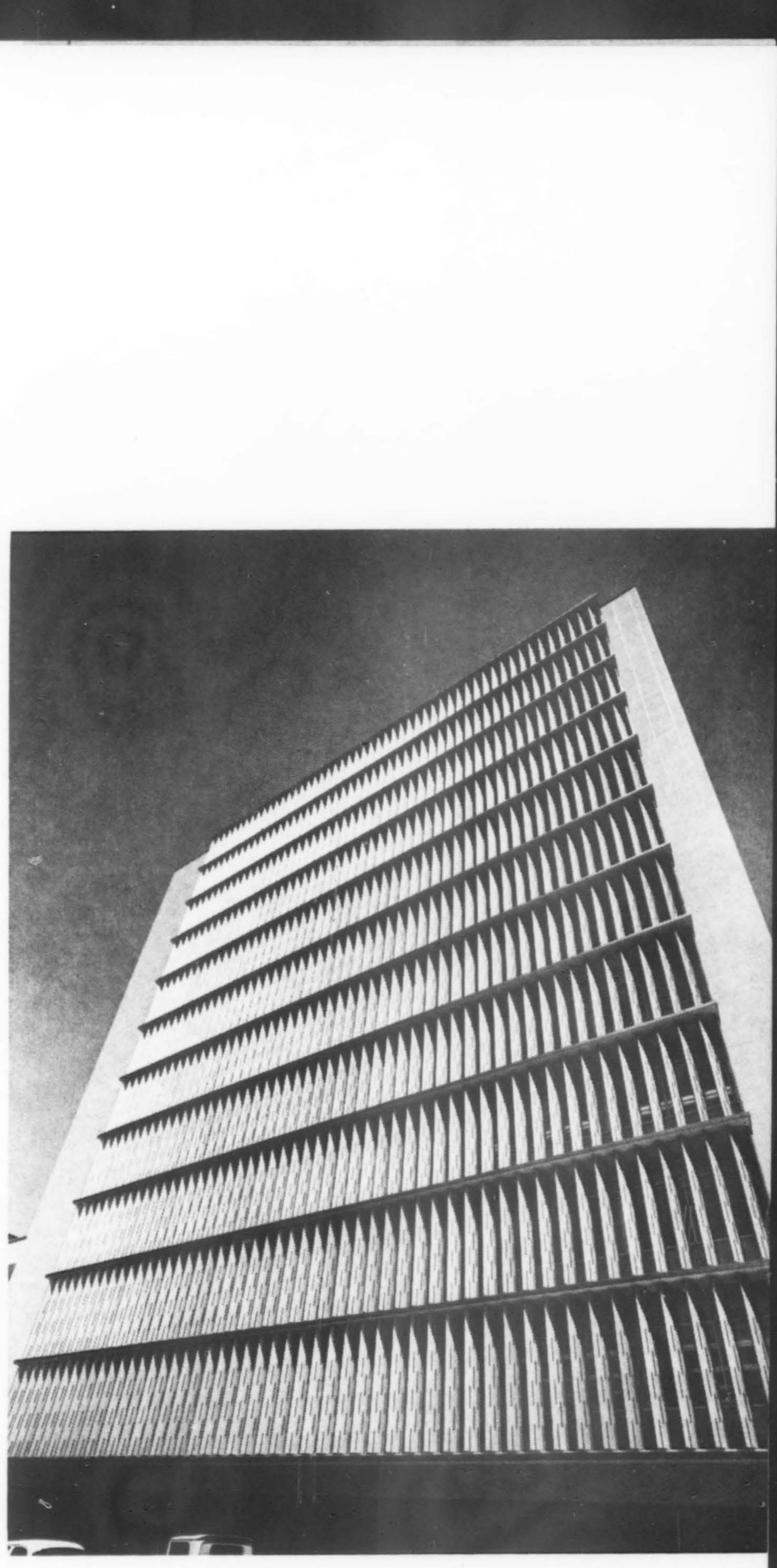
MARTINEZ, CALIFORNIA—some thirty minutes drive from San Francisco—is the setting for Contra Costa's recently completed Administration Building. Built at a cost of approximately $3,000,000, it is intended to serve the increasing population of the county.

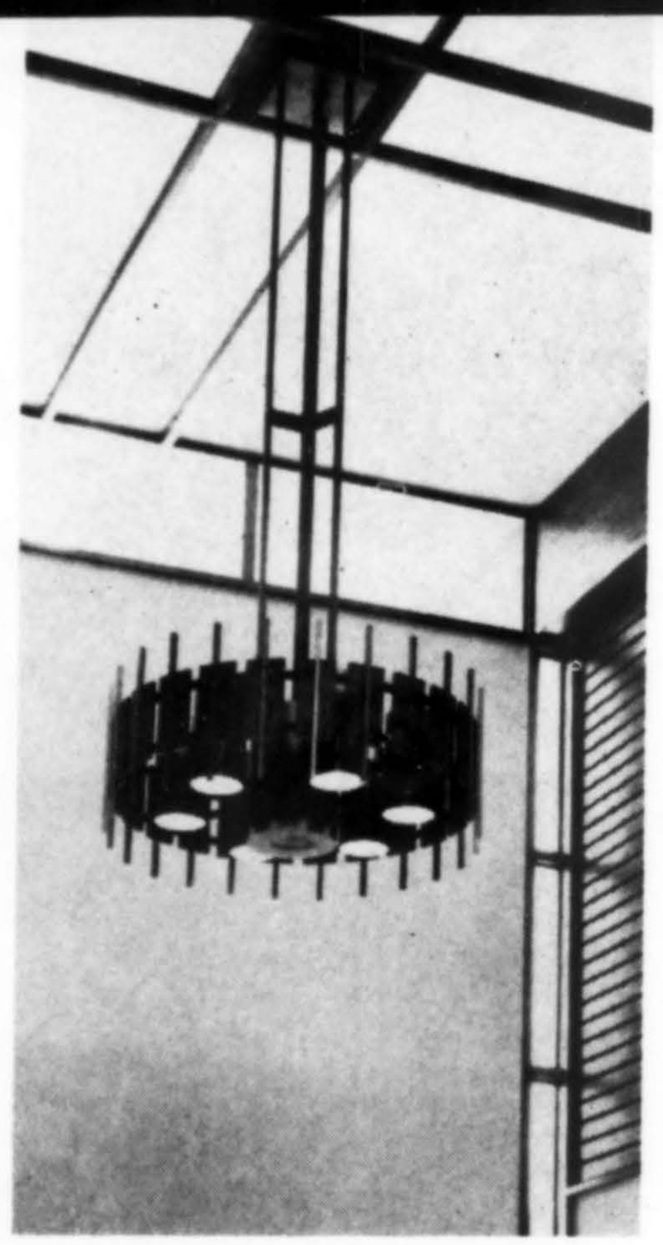
The Administration Building's twelve above-grade floors rest on a concrete pad approximately six feet in thickness. Structural framing is of steel and the exterior is sheathed with porcelain enamel panels (by California Metal Enameling) of a gray-green color. Floor framing is accomplished wtih corrugated metal decking; finish of the floors is in vinyl tile (excepting terrazzo in the main lobby).

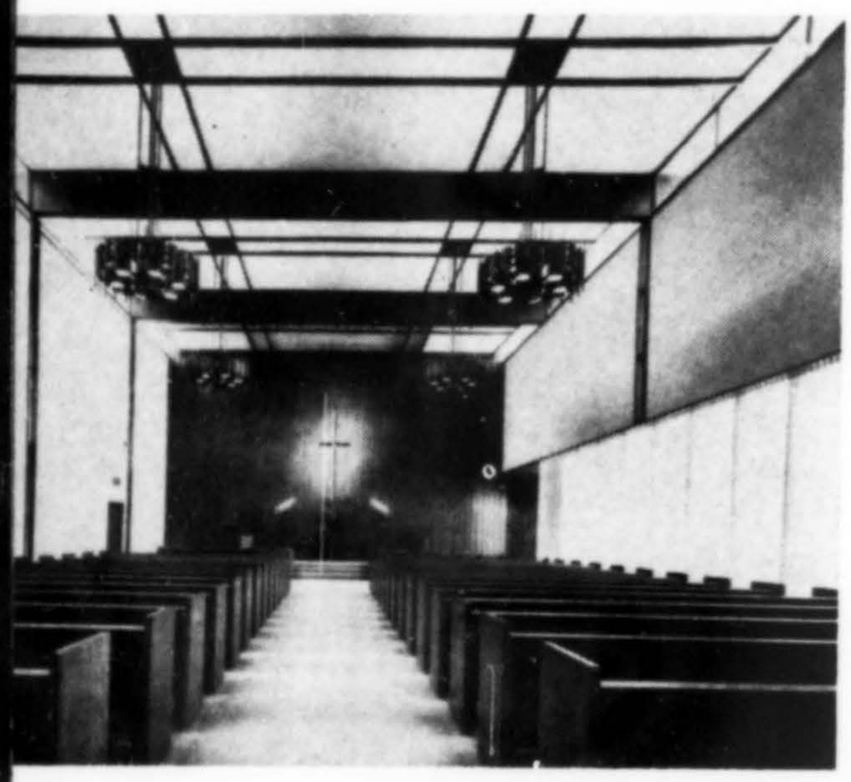
Undoubtedly the trademark of the building is its electronically operated louvres for sun protection, automatically geared to a solar clock.

Although permanent walls are finished in lath and plaster, interior partitioning in most cases consists of movable partitions for utmost flexibility One service whose location no one will want to change is the twelfth floor cafeteria which enjoys a panoramic view. The walnut-paneled board room is pictured at left.

Consultants for Architects Confer & Associates included: William Hamilton, structural engineer; Osmundsen & Staley, landscape architects.







MOORE MORTUARY

two precisely-detailed chapels
off courtyard . . .

Denver

Architect
JAMES H. JOHNSON & ASSOCIATES

Contractor
H. W. HAMMOND COMPANY

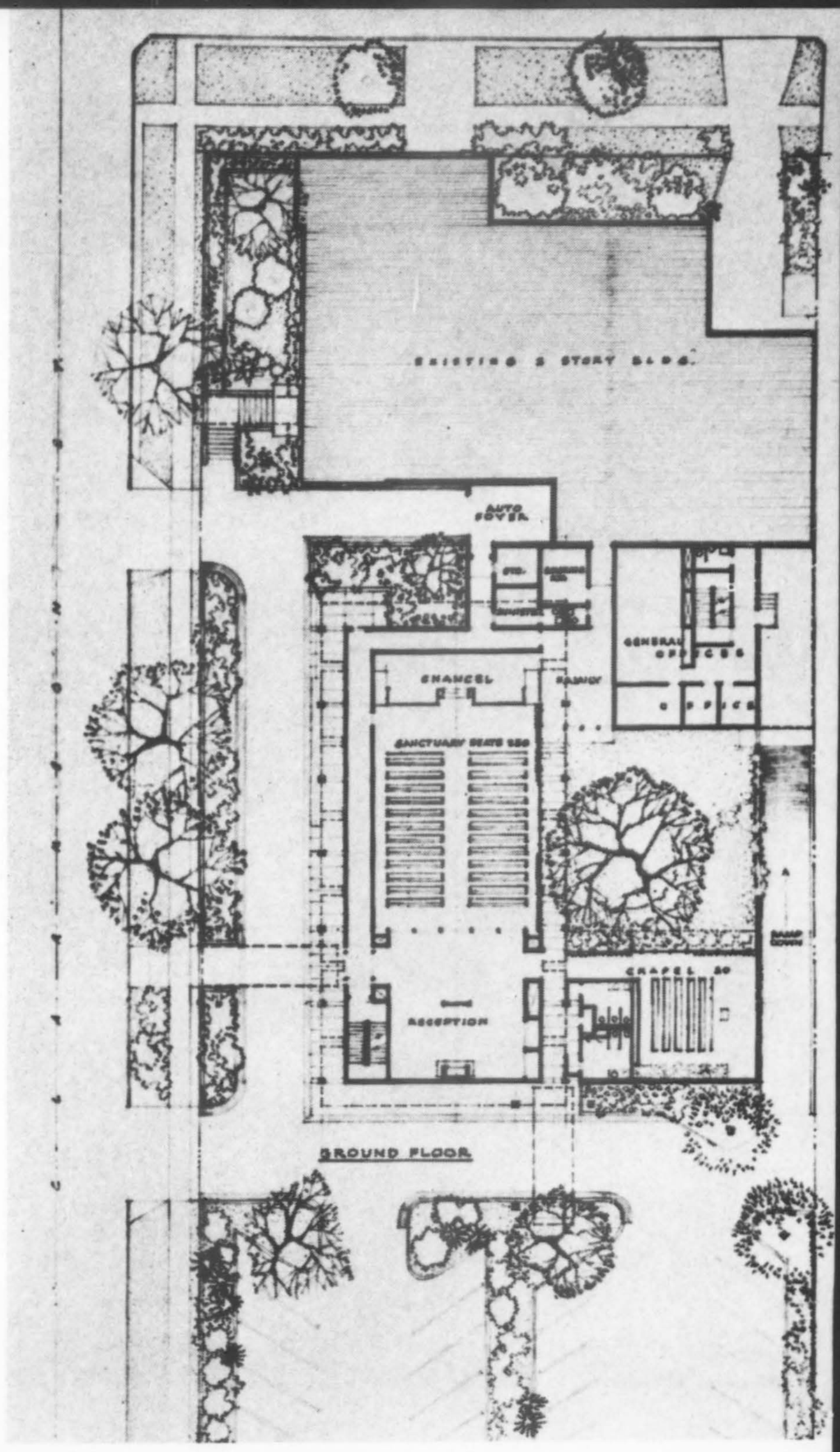
AN INTERIOR COURT developed around a 60-year old maple tree became the core of the extensive expansion at Denver's Moore Mortuary. Because of the traffic noise, the building was oriented with its back to the public thoroughfare but the court, dominated by the old giant, offers a peaceful vista from the chapels.

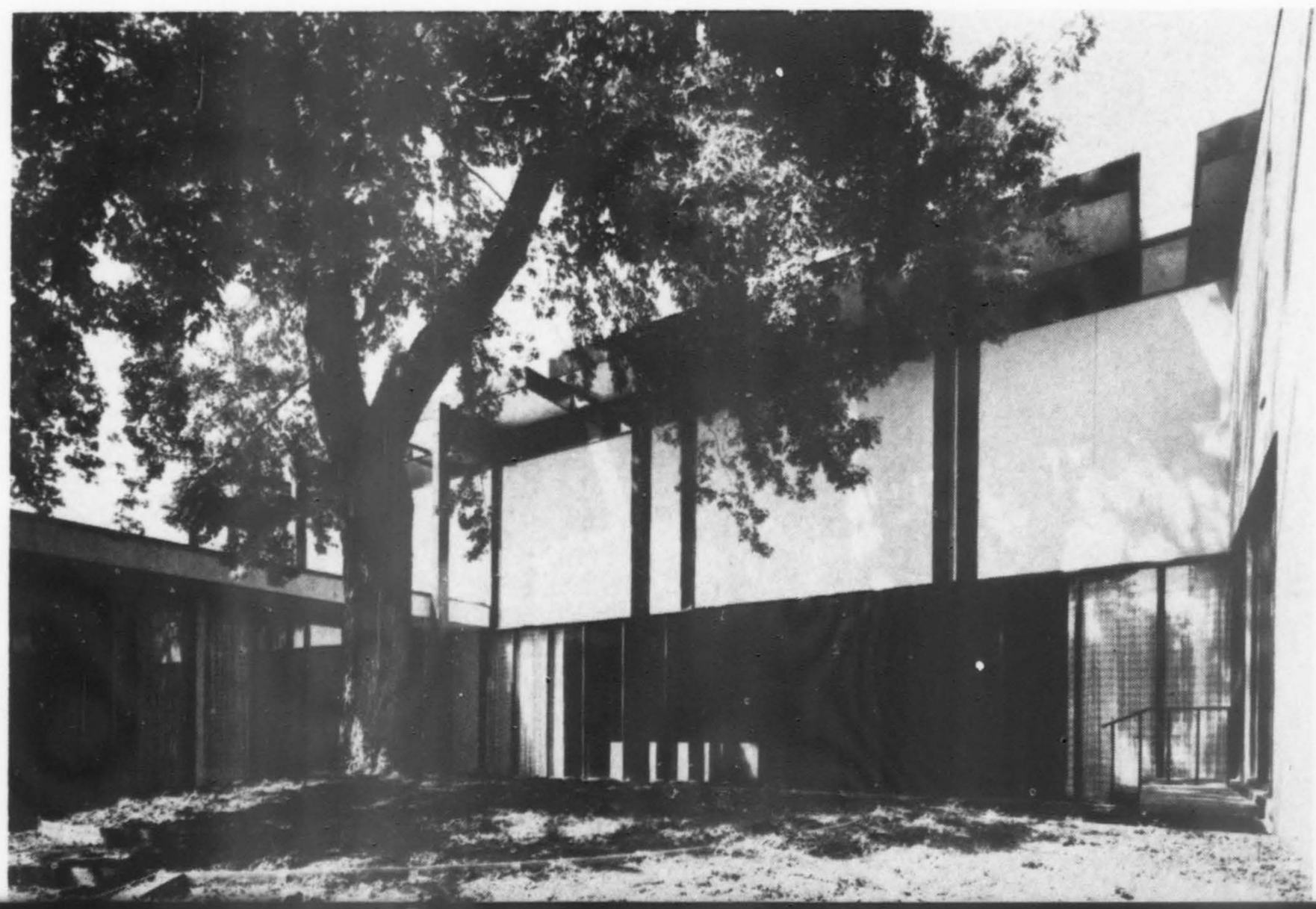
Expansion of the existing mortuary was chosen in preference to creating branch facilities in spite of the highly trafficked downtown area. The owner was convinced (and his belief is now confirmed) that an established large facility with ample parking and easy auto access to all parts of the metropolitan area was far more advantageous for the public.

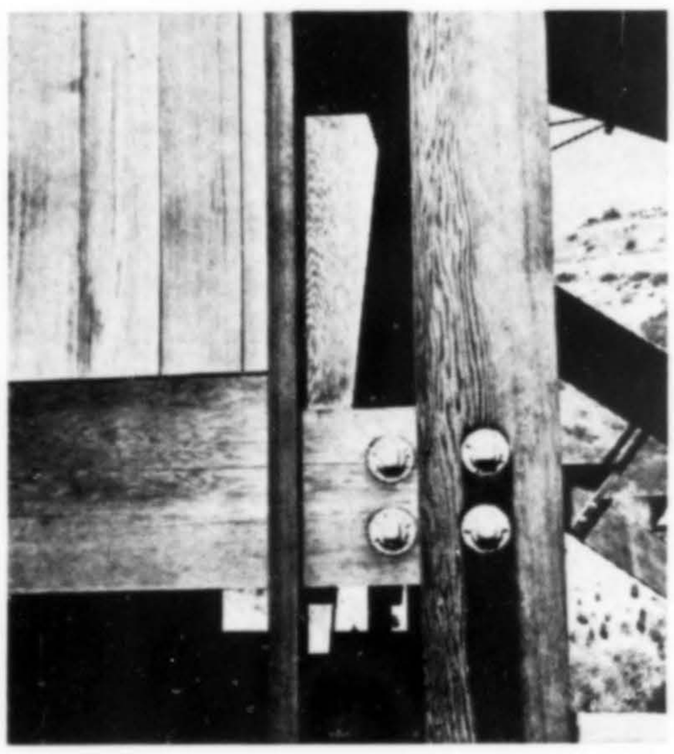
The expansion program provided two new chapels, the larger seating 250 with a balcony lounge area for overflow and family seating, and the smaller Little Stone Chapel (a gem in moss rock and stained glass) seating 50 for private or small services. Both chapels were designed for interdenominational use. Reposing rooms, work areas, offices and a garage on the lower level were part of the new addition.

The architectural statement is direct, simple and restrained. Materials used are dark-stained wood, off-white plaster, glass, deep carpets on the interior. Stucco was selected for the exterior of the building so that the new portion would be harmonious and unified in appearance with the older existing structure. An entrance canopy, reflecting the details of the addition, was designed for the older building.

Consultants on the project, cited with an Honor Award in the 1963 Western Mountain Region AIA competition, were Johnson & Voiland, structural engineers; Cator Ruma and Associates, mechanical engineers.







PRODUCTS IN ACTION

West Coast Lumber	redwood, *kiln-dried* Douglas fir, *kiln-dried*

LYMAN RESIDENCE | **Malibu, California**

Frederick P. Lyman, Architect

Fordyce S. Marsh, Contractor

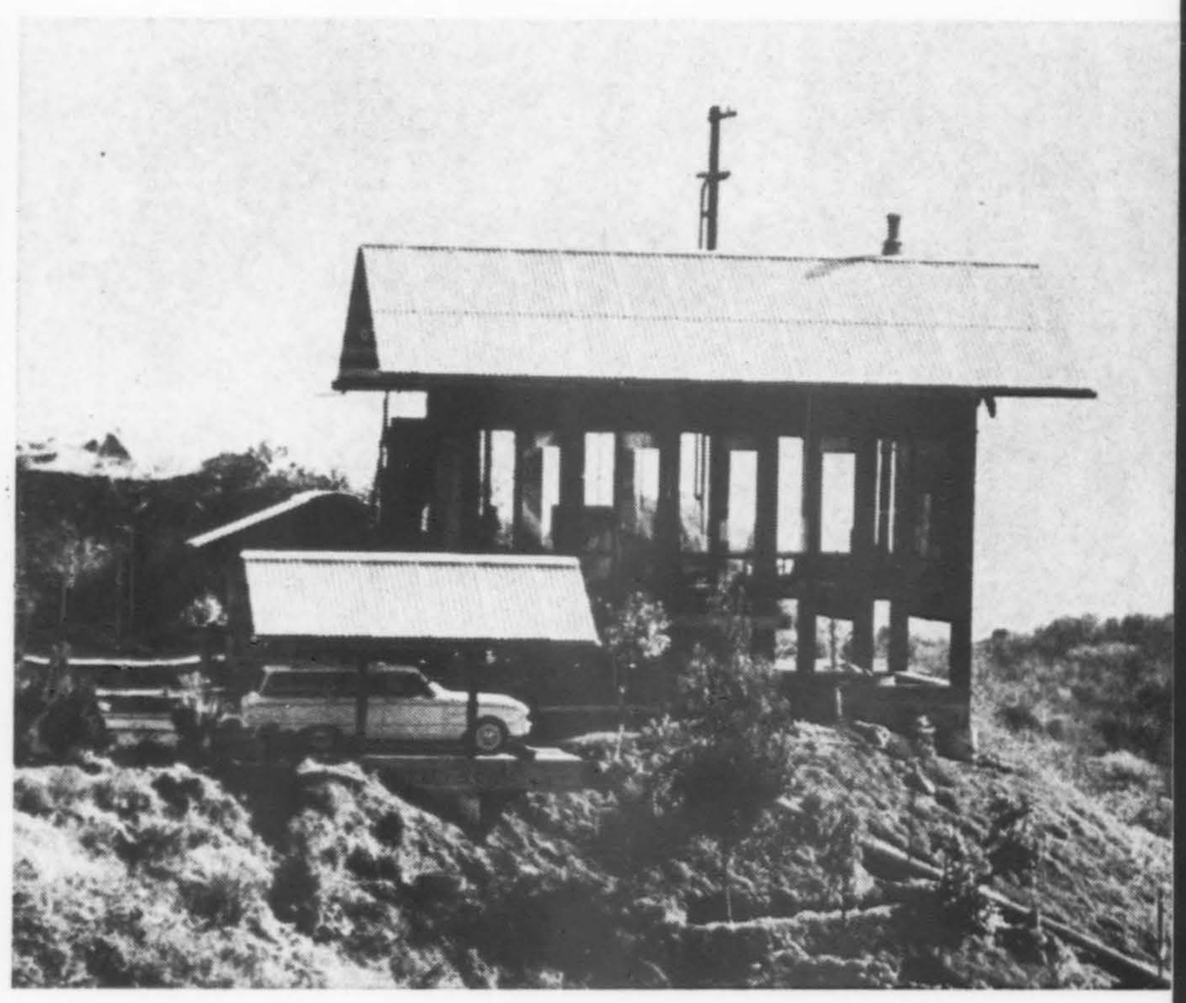
THIS HOUSE is basically a house within a house. The inner shell rests within a post-and-beam support of massive 14x10" redwood posts and 4x16" redwood beams connected to the posts by mortise and tenon joints. The house is a box resting between the post and beams; the walls, floor and ceiling slide freely along the beams but are not connected to the columns and can be adjusted for expansion or contraction. The main house is built on a poured concrete foundation, the posts and beams supporting the house shell.

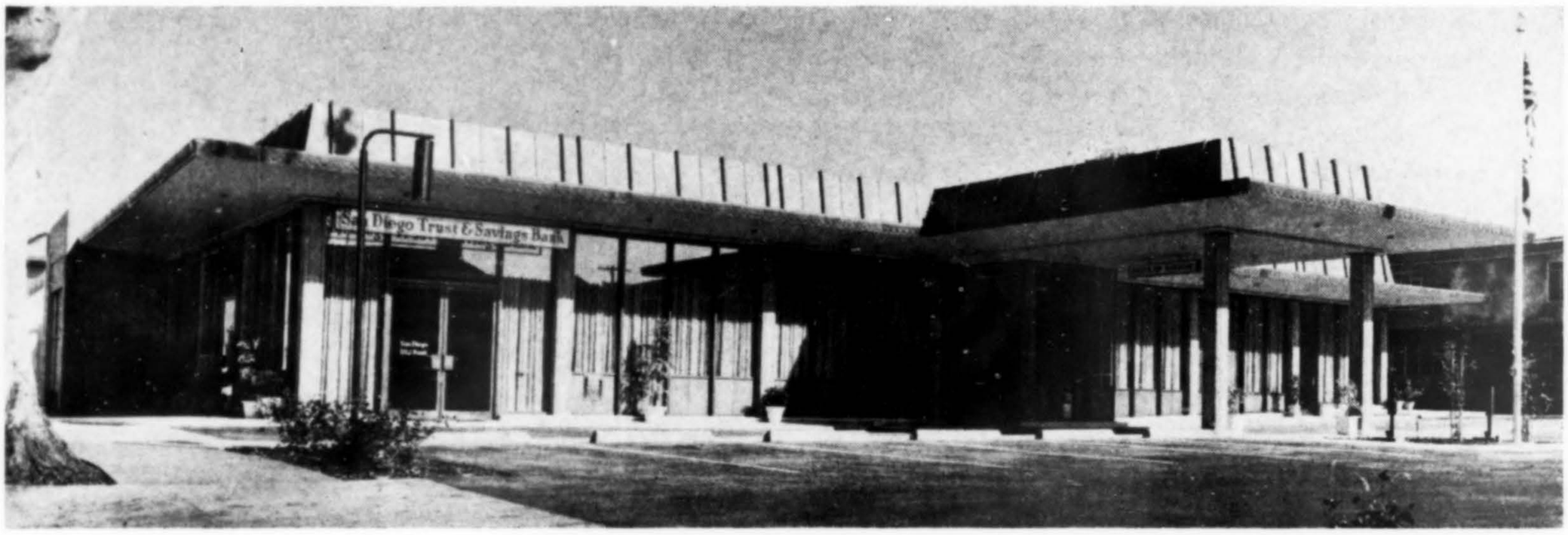
Basically, there are three completely separate units: the 1,200-sq. ft. living structure; the 144-sq. ft. bath house and the carport. The living area, which is two stories, has a 22x30x10' high room for living, working, cooking and entertaining. The bedroom and studio are located on the second level which commands a view of the Pacific Ocean to the south and over a landscape of trees and garden to the north. Situated on a high cliff 17 miles north of Beverly Hills, the house overlooks Malibu Beach and the Pacific Ocean.

The complimentary bath house is stylized with ceramic arts by ceramist John Mason. The massive, 300-gallon combination shower-bath is sunken at one end. Bowl and tub were made by Mason (faucets by Moen). Wooden doors open to a private corner of the garden for sunbathing. Wardrobe spans entire wall at left.

The entire project was built of certified kiln-dried Simpson California redwood and Simpson Douglas fir. Massive 4x16" beams are mortised through 4x10" redwood mullions on either side of the box-like living area and connected to the 14x10" columns with mortise and tenon joints. Ceiling-height French doors, 2'-6x10" high, open on pivot hinges so that two sides of the house will completely open to the outside, integrating the architecture of the house with the surrounding terrain. Floors and walls are 2x8' Douglas fir. The roof is corrugated cement asbestos supported by 4x10" rafters with the exception of the two end rafters which are 4x12".

The furniture in the house was designed by architect Lyman. The handcrafted chairs, lamps and tables are built without use of nails, on a structural principle similar to the house.





Banking facility . . . in the LA JOLLA IMAGE

SAN DIEGO TRUST & SAVINGS BANK
La Jolla, California

ROBERT MOSHER and ROY DREW
Architects

A CONSERVATIVE elegance—to fit the La Jolla image—was achieved in this branch office of the San Diego Trust and Savings Bank.

The concrete columns and precast panels on the building exterior are of lightweight aggregate, reddish in hue, and sandblasted. Blending with this is the marquee fascia of formed copper sheeting, with standing seam copper repeated on the roof facing. The low maintenance materials, selected to weather nicely in the ocean air that permeates the coast town, will provide economic advantages to the owner.

Window walls are hardcoated aluminum with cast aluminum panels, 3/8-in. thick, of specially sculptured texture. Interior colors are browns, greens and dark bronze; interior woods, brown English Oak.

The building was cited with a merit award in the San Diego AIA chapter 1964 competition.

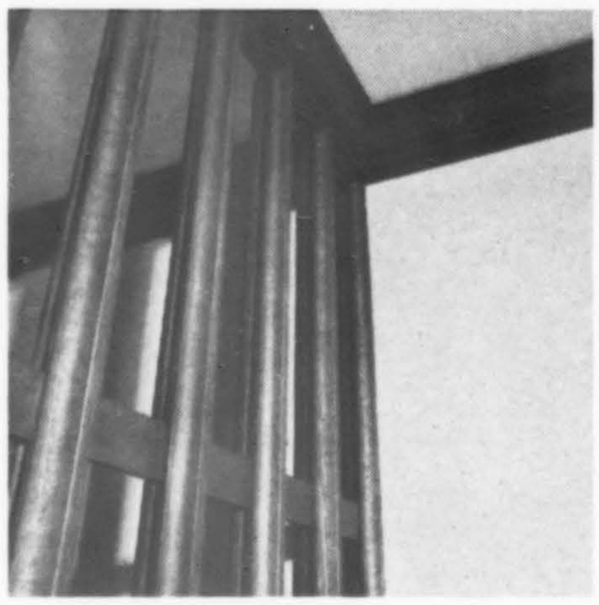
Cost of construction, exclusive of interiors, but including casework, security equipment, parking area, exterior paving and lighting, was $273,000.

Interior decoration was by Ross Thiele and Son. Structural engineer: George R. Saunders; mechanical engineer: John Sausen. Malcolm Leland, sculptor, was responsible for the aluminum panels.

Charles Schneider photos

Coupon No. 14 ➤

Fresh ideas for trusted woods.



Architectural Millwork from stock Western Wood Products.

Bright, fresh elegance in interior design can result from the coordinated use of stock Western Millwork products in the creation of distinctive, original settings.

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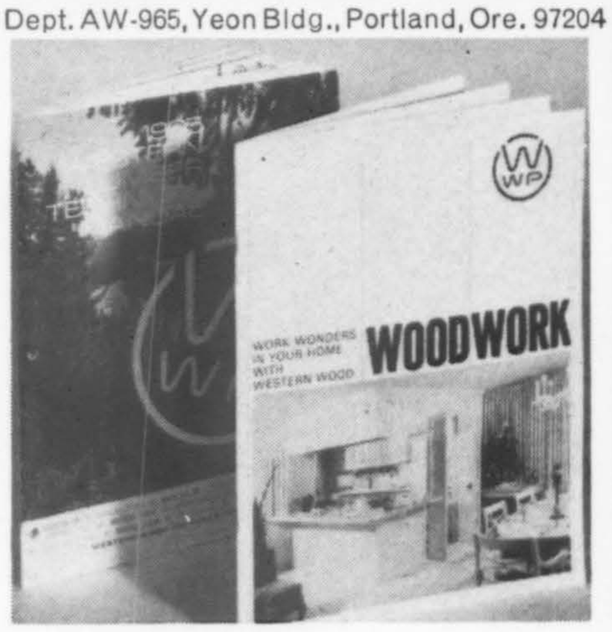


Name

Firm

Address

City State Zip

FLAMEPROOFING

FOR THE EXTERIOR walls and soffits of the John F. Kennedy High School in Fremont, California, the architects chose 1x6 redwood channel lap. Gypsum board (5/8-in.) was to go under the redwood to provide a one-hour fire rating. It was necessary, however, to flameproof the redwood itself to meet state fire requirements. Since a Rez Cedar stain was planned as the finish, pigmented fire retardant paint could not be used.

A low-cost solution to the problem was solved by specifying Flamort WC—a dry concentrated compound which was dissolved in water to prepare the flameproofing solution, then sprayed on the surface of the wood, followed by the stain. Because Flamort WC is clear the appearance of the wood was not affected by the fire retardant treatment.

Flameproofing was done by Barnhart Construction Company, Santa Clara. Using a low-pressure spraying rig, two men were able to treat 10,000 sq. ft. of surface area per seven-hour day. A total of 67,000 sq. ft. were treated in this manner, followed by brush application of the stain.

The Flamort solution was prepared in a 55-gal. steel drum, then pumped by hand into the pressure tank of the spray rig.

The school, designed by architects Ernest J. Kump Associates and Hale and Jacobsohn, will provide more than 50 classrooms for 1700 students when completed later this year. It occupies 141,490 sq. ft. of area on a 45-acre site, will cost $2,688,850.

Study shows

Sub-flooring costs can be substantially reduced

The overall cost of floor framing systems using half-inch plywood subflooring over joist framing was substantially lower than for other systems studied for use under 25/32-inch strip flooring, according to data gathered by the University of Illinois Small Homes Council-Building Research Council.

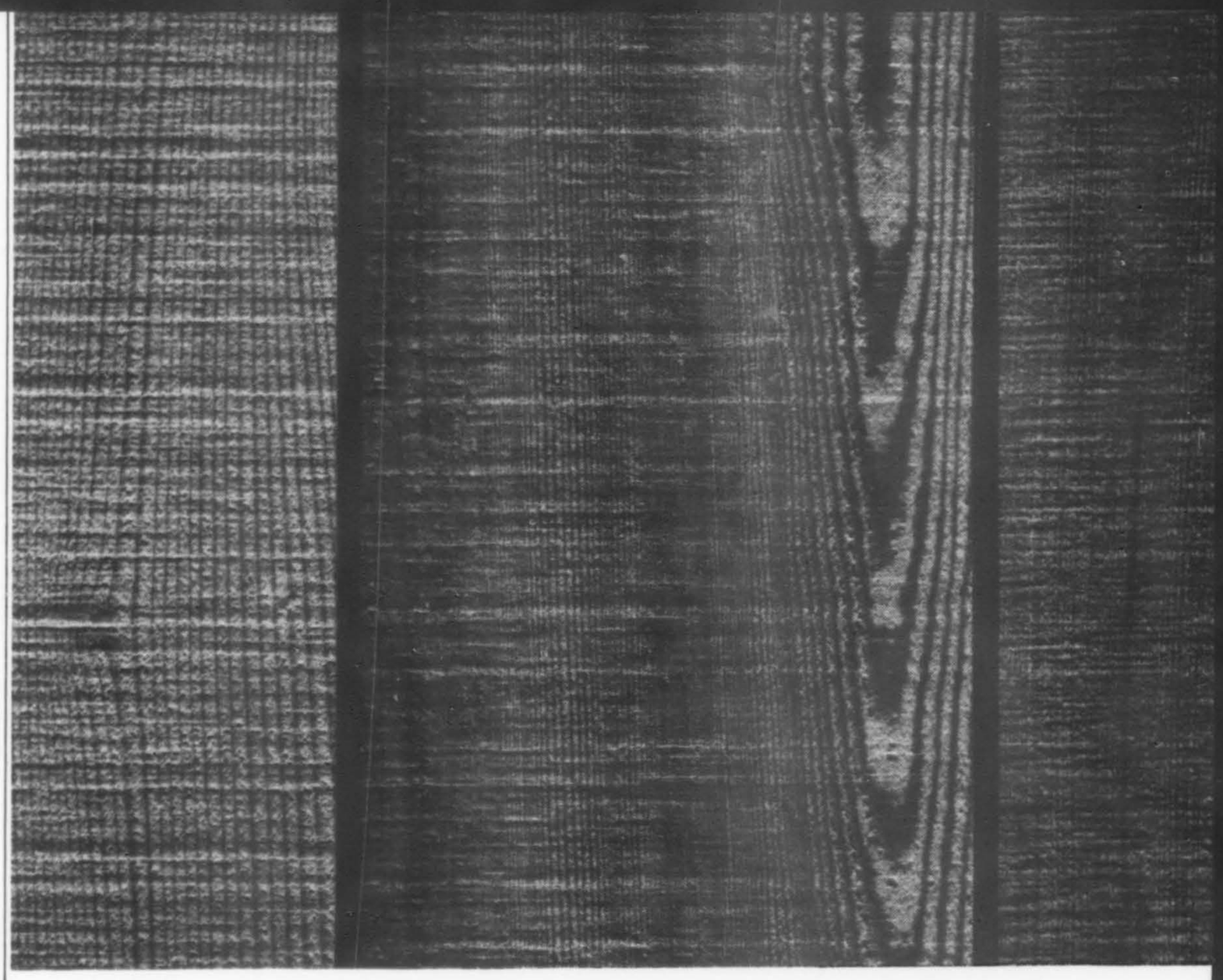
The comprehensive labor and material cost study of five wood floor construction systems was sponsored by Lumber Dealers Research Council as one of the council's series of research projects to reduce home building costs.

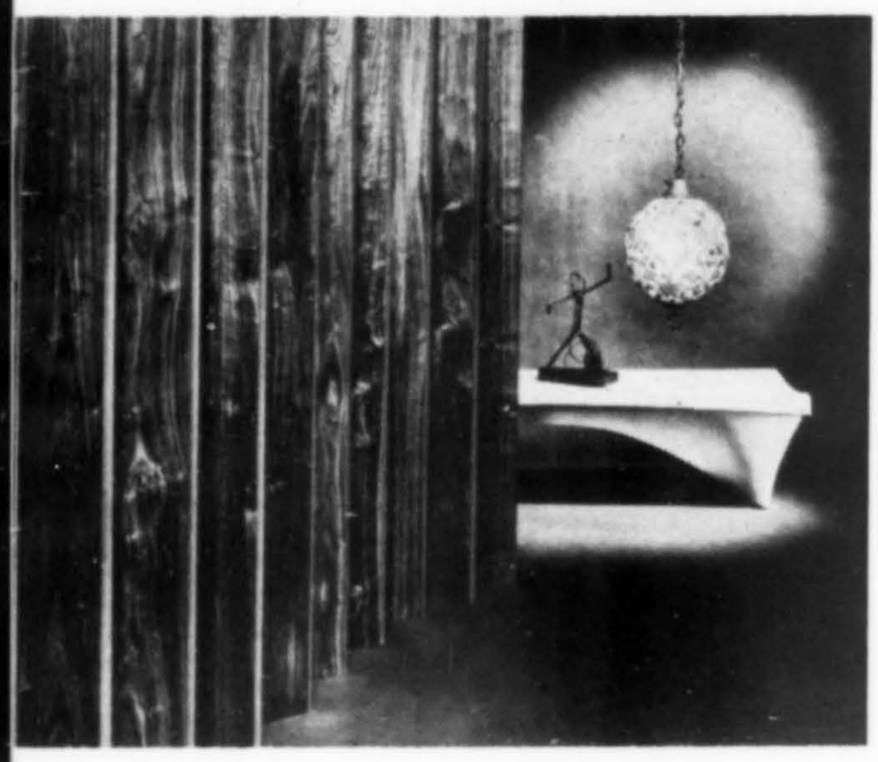
Cost of the different systems for floor framing and subfloor of a house 912 sq. ft. varied from $283 to $377, the study shows. Lowest cost was achieved with 2x10 joist spaces 24-inch o.c., the joists butted at the girder and covered with ½-inch plywood subfloor.

Data for installing bridging between joists was obtained on the four conventional framing systems to determine just how much this bracing, required by the local building code where the houses were constructed, actually costs to install. In this study, the cost of bridging varied from $25 to $30 per house. The study took place at Longmont, Colorado, on five houses constructed by builder William Leichtliter. Framing subcontractor was Mountain View Construction Company of Boulder. Everett Lumber Company, Fort Collins, assisted in completing arrangements and furnished material for the test construction.

Spokesmen for the Small Homes Council-Building Research Council emphasize, however, that while the research has developed cost data believed helpful both to dealers and builders, building conditions in individual localities may alter competitive relationships of the various systems. They point out that merely applying local wage rates to study findings will not necessarily provide true cost comparison in a given instance.

Complete details of the study are contained in Time and Cost Studies on Five Floor Systems, Research Report 63-2, available from the Small Homes Council-Building Research Council, University of Illinois, Urbana, Illinois 61803, at a cost of $1.50.





all wood folding partitions

The Woodmaster 800 folding partition combines versatility and economy with the richness of wood and is particularly recommended for installation where flexible use of space is a prime consideration as in offices, conference rooms, hotels, clubs and churches. It is available in single sizes up to 30-ft. wide by 12-ft. high, may be paired or used in multiples for larger openings. Installation may be curved or straight. The new line features solid laminate, 8-in. panels, joints with a lifetime extruded vinyl hinge that harmonizes. Each panel, top to bottom, has an uninterrupted wood surface. Five wood veneers are offered: natural birch, African mahogany, walnut, cherry and red oak. In addition, 40 exotic veneers are available at an added cost, including teak and tiger wood. — New Castle Products, Inc. (A..W), 1704 "I" Ave., New Castle Indiana. **Coupon No. 31.**

decorator rosettes for custom locks

An exclusive new line of decorator trim rosettes features hand-sculptured designs tracing back to Roman, Spanish, Aztec, Mayan and other civilizations. The line of 12 rosettes, to be marketed as Art Cast, are designed for used with Kwikset custom line of residential and commercial locksets. Basic material is solid brass with a choice of three finishes: polished brass, satin bronze or dull nickel. Each is black oxidized and plastic coated to retain their luster.—Kwikset Sales & Service Co. (A/W), 516 E. Santa Ana St., Anaheim, Calif. **Coupon No. 32.**

guaranteed door panels

Super Dorlux, a guaranteed door panel exceeding requirements of Commercial Standard 171-58 for hardboard faced doors has been announced by Masonite. Panels are guaranteed to be free of manufacturing defects and for use in flush doors manufactured in accordance with CS 171-58. Performance is warranted for one year. Laboratory tests show that Super Dorlux panels are superior in 24-hr. water absorption, 24-hr. swell and modulus of rupture, according to the company. Panels, for use in exterior or interior doors, are available in sizes 60 3/16-in. x 96½ in. Panels may be painted, are easily drilled and sawed for speedy installation. — Masonite Corp. (A/W), 29 North Wacker Drive, Chicago 60606. **Coupon No. 33.**

embossed hardboard

An embossed hardboard with texture of old-fashioned homespun cloth offers the wearability and workability of hardboards and, in addition, the new possibilities for color or texture effects. Said to be midway between grass cloth and burlap in texture, the new Allwood hardboard is called Homespun. Available in standard sized panels, 4x8 ft., ¼-in. and ⅛-in. thickness it is adaptable for entire walls, individual panels, for focal points in entries or stair wells. The board can be painted.—Edward Hines Lumber Co. (A/W), Box 210, Hood River, Oregon. **Coupon No. 34.**

rustic wood stain

A new line of Rustic Wood Stains cover a full color range from contemporary olive to traditional Ranchhouse red. The stains are heavy-bodied, oil base, fully tested for quality and performance. — Behr Process Corporation (A/W) 1603 Talbert Road, Santa Ana, California. **Coupon No. 35.**

crystal lights

The Crystalyn section of the Chandeline Signature collection features massive lead-crystal on clean-lined silver fixtures, blending traditional elegance with a contemporary style. Crystals, in both Swedish-cut prisms and the Aurora Borealis, are hand-cut and polished in Bavaria. Silverplate is protected against tarnish. Sizes range from the 15-lite, 3-tire, 27½-in. diameter with 74 crystals, to 1-lite, 10½-in. diameter, 10 crystals. — Prescolite Manufacturing Corp. (A/W), 1251 Doolittle Drive, San Leandro, California. **Coupon No. 36.**

toilet seats for physically handicapped

A "Sheltering Arms" toilet seat for paralytics, infirm, obese, post-operative and other physically handicapped persons, fits all manufactured closets, either residential or hospital. It converts any bathroom into a functional, hygienic, post-operative or convalescent room. The hi-impact plastic seat, cover and arm rests, and extra heavy chromium-plated supporting "Sheltering Arms" seat attaches directly to the closet, can be carried from room to room if necessary. It doubles as a dressing stool when cover is closed and can be used for an ordinary seat when not needed for sick room use. It is available for regular or elongated bowls, for tank type or flush valve closets, can be specified with or without cover, open or closed front.—Beneke Corporation (A/W), Columbus, Mississippi. **Coupon No. 37.**

sealed combustion furnaces

The S/C2 Forsaire, a new sealed counterflow wall furnace series, has been designed for new construction, replacement or remodeling. The unit can be installed recessed between standard studs or surface mounted. Neither flue nor ducts required and only outside air is used for combustion. Features include complete internal wiring; peripheral flow lint-free blower; sealed bearing motor; automatic temperature controls; optional multiple heat outlets. Two models, gas; 50,000 BTU and 65,000 BTU.—Williams Furnace Co. (A/W), P.O. Box 577, Buena Park, Calif. **Coupon No. 38.**

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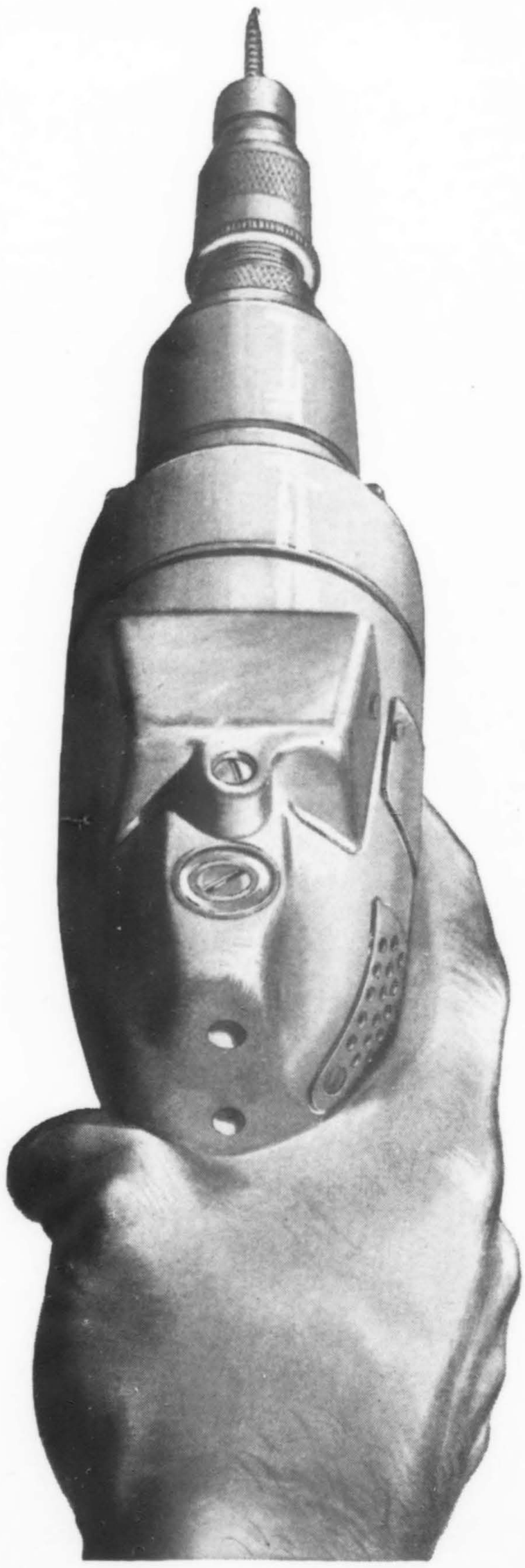

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LITERATURE

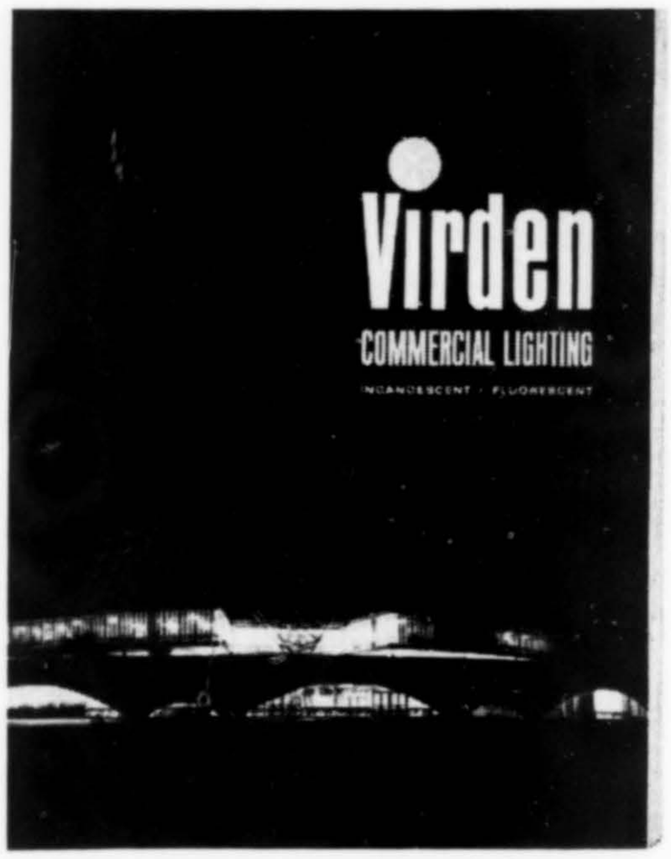
Trevi-Tile (AIA 23-E): describes in full color Trevi-Tile for floors and polished and textured walls as well as Trevi-Murals; based on Old-World craftmanship. Installations are shown with ease of installation, durability, maintenance, specifications detailed. Suggested uses and various styles are included.—Trevi-Tile, Inc., 1910 Fairview East, Seattle, Wash. 98102.

Plan Ahead Furniture: presents a new line, the M-40, designed by architects Henning Jensen and Torben Valeur for Fritz Hansen, Inc. Describes a modern furniture line equally suitable for home or office and gives a maximum variety of arrangements with a minimum of units. The M-40 line is based on a modular system, is available in oak and teak with solid timber used for all construction members. Large units can be shipped unassembled.—Fritz Hansen, Inc., 305 E. 63rd St., New York 10021.

Vinyl Handrails (AIA 14-D-4): full-color brochure showing vinyl handrails in 14 standard and special colors with actual installations on curved, hair-pin turn and conventional handrails. Actual size and shape profiles for the standard rail items are shown as well as the special profiles. 4-pp.—Rehau-Plastiks, Inc., 50-22 49th St., Woodside, N. Y. 11377.

How to Trim In-Place Building Costs 11 Ways: details specifications and performance data on the full line of Potlatch specialty and commodity building products including Lock-Deck laminated roof decking and Electro-Lam Beams, structural and paneling grades of plywood, solid paneling, oak flooring, underlayment, Electro-Mechanical Stress-Rated dimension, end-and-edge glued lumber, mouldings and milled and pre-primed cornice systems, packaged fencing. 12-pp.—Potlatch Forests, Inc., P.O. Box 8850, Chicago 60666.

Environmental Control Systems: aspects of proper clean room design and function are described. Recommends best combination, type of construction and panels with sketch detail explaining what a clean room is. 8-pp.—Koppers Co., Inc., Environmental Control Systems, 6500 French Road, Detroit, Mich. 48313.



Lighting Fixtures for Light Commercial Applications: introduces a new and expanded line with the highlight of the presentation the various types of fixtures in color coded pages. Included are a new line of 12-in. and 24-in. troffers as well as wrap arounds, luminous ceilings, walnut surface fluorescents, dimmer systems and corridor lighting. "In use" photographs and diagrammatic drawings combine to indicate construction and installation details. Full color, 48-pp.—John C. Virden Co., 6103 Longfellow Ave., Cleveland, O. 44103.

Rigid Urethane Foam: describes properties, advantages and applications and explains five important advantages of rigid urethane foam. Insulating efficiency, lightweight structural support, strong adhesion, buoyancy, one-step fabrication are reviewed. One section is devoted to four methods of application. Booklet F-41156, 32-pp.—Union Carbide Corp., Chemicals Division, 30-20 Thomson Ave., Long Island City, N.Y. 11101.

Turf Irrigation: details features, specifications and recommended usage of Rain Bird sprinklers and accessories. Accompanying diagrams and photos illustrate principles of operation and construction. Included are new automatic sprinkler system controllers and all models of Rain Bird turf sprinklers with charts explaining diameter of coverage, rate of water discharge, effect of basic water pressure on discharge rate and coverage. 56-pp.—Rain Bird Sprinkler Mfg. Co., Glendora, Calif.

Swing Door Handles, Handholds, Crossboards: details completely each handle, handhold, protective crossbar for metal, steel and glass doors. Colors, materials available are well ilustrated; also information as to custom designs. 36-pp.—West Coast International Co., 315 W. 9th St., Los Angeles 90015.

Aluminum Swimming Pools for Institutions: dramatizes properties of special aluminum alloy for institutional swimming pools in all categories: municipalities and parks, schools, above-ground installations, country clubs and swim clubs. Described are typical installations with assembly, warranty and the special Diavac Filter, self-housed, pre-wired, valved, piped and factory-tested. Full color.—Chester Products, Inc., Hamilton, Ohio.

Lighting for Education: covers all phases of school lighting including classrooms, gyms, offices, corridors, entrances, yards and parking lots. The essentials of modern school lighting is discussed with topics covering illumination levels, glare and visual comfort, cost analysis and lighting efficiency. The remainder consists of examples of typical school lighting applications from kindergarten through special purpose classrooms, swimming pools, staff offices, campuses. Each example includes an illustration of an area of the type of light under discussion, a recommended lighting layout and technical data pertinent to the area. 60-pp.—Holophane Co., Inc., 1120 Avenue of the Americas, New York 10036.

MANUFACTURERS/SUPPLIERS

• **The Stanley Works:** Announcement has been made of the purchase of the Berry garage door and operator product lines as well as the manufacturing plant and equipment for their production from Berry Industries, Inc., Birmingham, Michigan.

• **United States Plywood Corp.:** An agreement has been reached by the boards of directors of the New York based plywood firm and the 113-year-old Lewers & Cooke, Ltd. of Honolulu. U. S. Plywood plans to continue the business under the Lewers & Cooke name.

• **The Glazed Brick & Tile Institute:** Nine nationally-known manufacturers of glazed brick and tile products have recently voted to organize the new Institute, the official trade organization representing the industry. John M. Aldworth has been named executive director with headquarters in Chicago. Companies forming the organization: Arketex Ceramics Co.; Charleston Clay Products Co., Darlington Brick Division, Hanley Co., McNees-Kittanning Co., Metropolitan Brick Co., Natco Corp., Robinson Brick & Tile Co., Starks Ceramics, Inc.

• **Interpace:** Susan Shawl has joined the Los Angeles - based firm as an interior design and color consultant in the San Francisco showroom and warehouse at 1275 Harrison St.

• **Rubber Corp. of America:** The L. M. Scofield Company, Los Angeles, have been appointed to distribute Rucorail, the company's vinyl decorative handrail, in California, Nevada and Hawaii.

• **Prescolite Manufacturing Corp.:** A. E. (Al) Thompson has been appointed district sales manager in the San Francisco Bay area for the San Leandro firm. He has been with the firm 10 years.

• **Georgia-Pacific Corp.:** Owen R. Cheatham, chairman of Georgia-Pacific, has announced the merger of Bestwall Gypsum Company into the Portland-based firm.

• **Formica Corp.:** George H. Steele has been named Honolulu district manager. Offices are at 827 South Beretania.

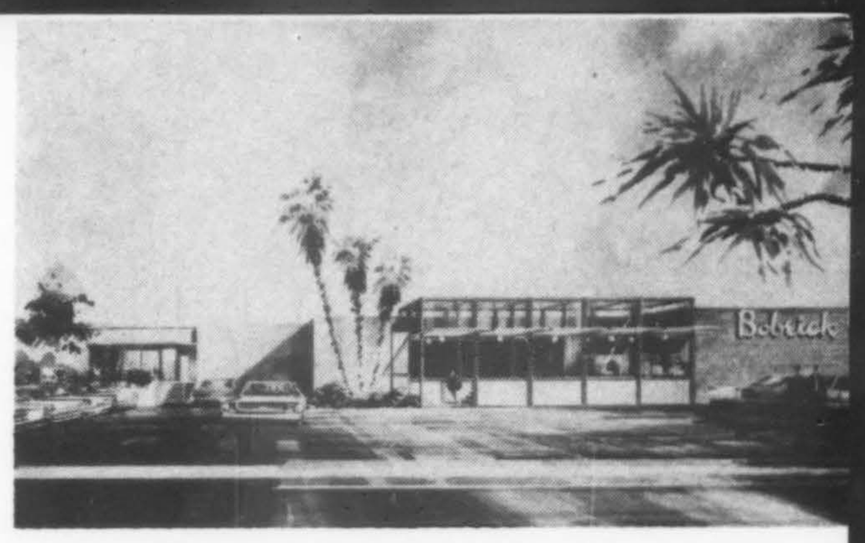
• **Tapiflex Div., Felters Co.:** F. Raban Dunn, San Carlos, California, has been named West Coast manufacturer representative for the Tapiflex Division of the Boston firm. The division is responsible for an entirely new concept in floor coverings.

• **National Gypsum Co.:** Mardis B. Turner has been named manager of the new gypsum plant now under construction at Long Beach, California, according to Leonard L. Hank, senior vice president for operations. Production is expected to start at the new plant in September.

• **Wood Marketing, Inc.:** A new corporation, set up to promote quality graded lumber and increased sales opportunities for wood, was organized in June at San Francisco. The organization has been officially incorporated and Paul R. Beattie, former director of technical field operations for the National Wood Promotion Program was named manager. Leonard K. Floan, vice president and general manager of Wood Products Division, Potlatch Forests, Inc., Lewiston, Idaho, has been requested to serve as president until a chief executive officer is selected. John L. Robins, vice president of marketing, Simpson Timber Company, is serving as chairman of the board of directors.

• **The Ruberoid Co.:** The assets and business of the Sandura Company, a manufacturer of vinyl sheet floor coverings, have been purchased by Ruberoid. A new division, the Sandura division, has been formed and will be headquartered at Jenkintown, Pennsylvania.

• **Bethlehem Steel Corp.:** W. S. Briscoe, manager of press relations, recently retired. His successor in the San Francisco office is John Warner, formerly in the Los Angeles division. Charles Drummond will assume Warner's position in the south.



THE BOBRICK CORP., New York and Los Angeles manufacturer of commercial washroom equipment, has a new 30,000 sq. ft. manufacturing plant, warehouse and administrative offices at 11611 Hart St., North Hollywood. The facility will also house Bobrick Dispensers, Inc. and Bobrick Aero Missile Products. William S. Louchheim is president of the firm. The building was designed by Los Angeles architect William Krisel; contractor was The Ted R. Cooper Co., Inc.

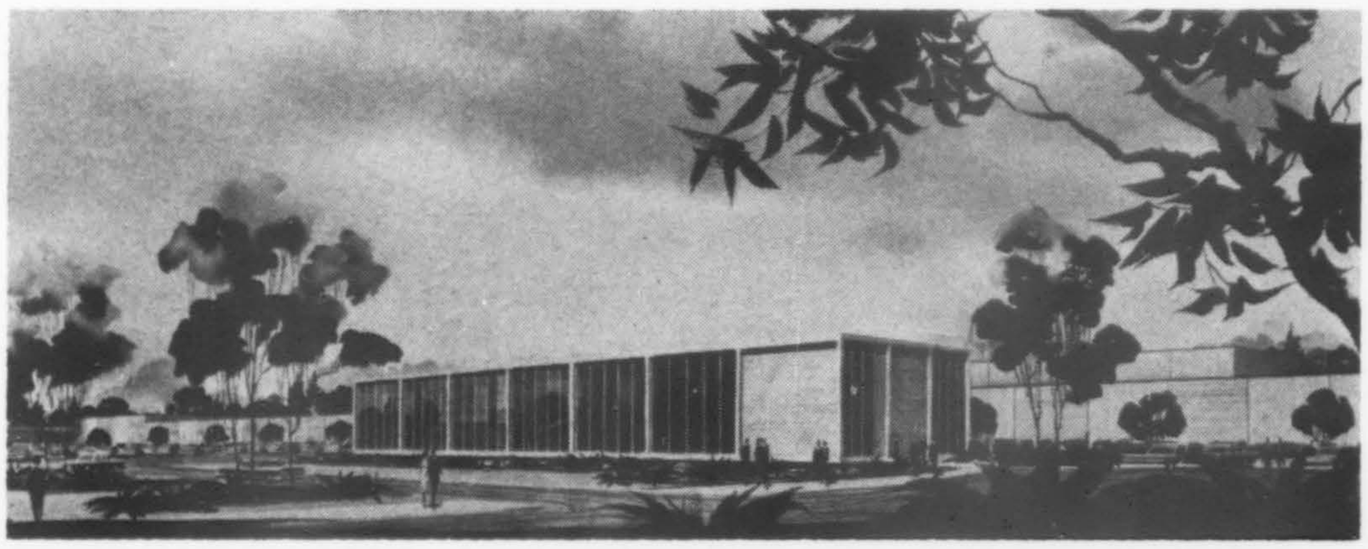
• **Hough Manufacturing Corp.:** The Janesville, Wisconsin producer of folding doors and partitions, and Western Sky Industries, Hayward, California, have completed the transfer of two types of flat wall partition systems to Hough. The "Enviro-Wall" and "Enviro-Flex" will be manufactured in Hayward and marketed nationally under the Hufcor trademark.

• **H. H. Robertson Co.:** D. J. Haack, general manager of the Stockton, California division of the Pittsburgh-based firm, has been promoted to vice president and general manager.

• **Pacific Clay Products Co.:** Frank Sander has been appointed sales manager of the Los Angeles Brick division of the firm according to an announcement by Robert Reordan, general sales manager of the division.

• **Dow Chemical Co.:** New assignments for construction material field sales personnel have been announced by Henry B. Weisl, manager. David Paul, Los Angeles, has been transferred to the Midland, Michigan, headquarters with James I. Tucker, St. Louis, replacing him on the Los Angeles staff.

• **Olympic Stained Products Co.:** Miss Patti Greig joined the firm in March as architectural representative for the Seattle firm in the Los Angeles area.



FORMICA CORPORATION's new laminating plant is now under construction in Placer County, California, 18 miles northeast of Sacramento. The 300,000 sq. ft. manufacturing facility for decorative laminated plastics is scheduled for full-scale production by mid-1966.

A/W **not specified**_____

SOME THOUGHT-PROVOKING phrases from the speakers who made up the design dimension colloqiums at the recent AIA conference in Glacier Park:

• A good client (even if he must be taught to be one) must go hand-in-glove with the architect who has the "guts" to set his standards and stick by them once set—even to the point of telling his client to "go to hell and get somebody else" —an attitude that will develop the respect and dignity needed and desired by the profession.

• While concerned with esthetics, the architect's recognition of human values is of paramount importance.

• Public education must be constantly pursued to further the interests of architecture. The public is entitled to be discriminatory in the selection of an architect but must be alerted to the realization that one building *is* better than another and one architect *is* better than another.

• Great architecture does not depend upon a large office or a great client.

• An architect is obligated to apprise the client about insurance coverage.

• The AIA after your name does not guarantee that you won't submit shoddy work—for which there is *no excuse*.

• Investigate the schools of architecture. Teach youngsters and teachers what architecture is about. You may find yourself in the position of teaching the universities and colleges themselves. Take a hard look at the three R's—the image of the architect is dimmed by his inability to express himself, to spell, to be businesslike.

• A strong profession takes in all architects who are willing to follow a code of ethics.

• An architect who titles himself something other than "architect" (i.e. architect-planner, etc.) bemeans himself from both sides. For centuries he has been termed the "Master Builder" but is not this a misnomer—isn't he, after all, more a Master Designer?

• Business is there for the taking. Don't sell yourself or your abilities short. Advertising and public relations for an architectural firm takes many guises: public leadership, involvement in community affairs, volunteer work, and some plain-dollars-and-sense applications of previous client-architect relations.

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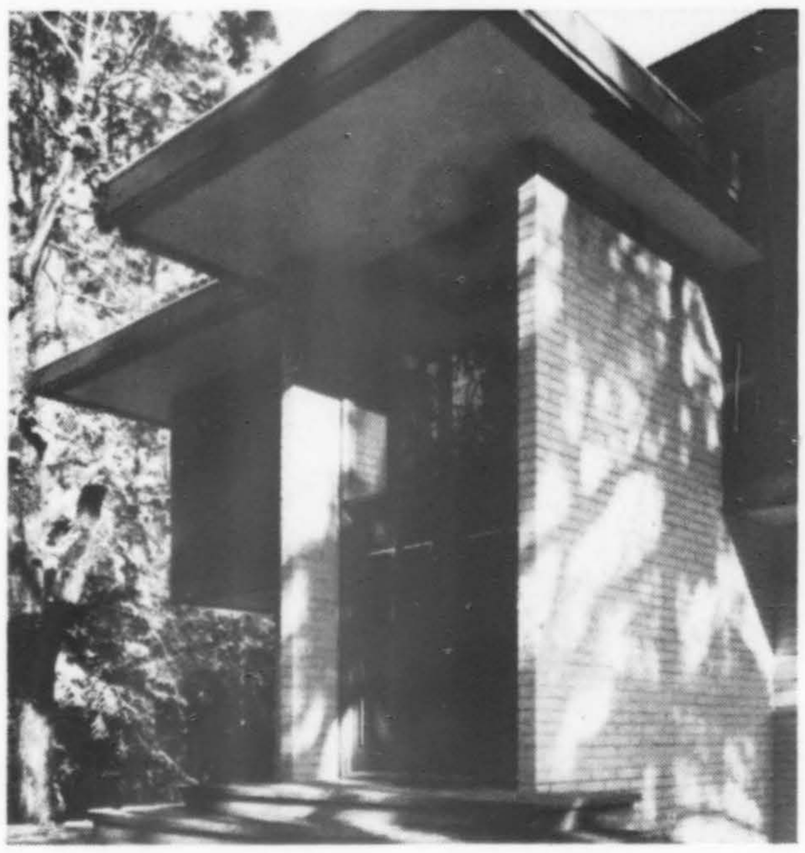
OTHER_____

What's new in architectural ceramics?



Seattle's Brick "Home of the Year"

For intriguingly modern designs, many are turning to one of the oldest building materials, as the award-winning house shown attests. It was selected "1964 Home of the Year" by a jury of architects, from the Seattle Times' twelve "Homes of the Month." Architects were Nelsen, Sabin & Varey, contractor Tim Ryan, masonry contractor George Krsak. All masonry costs were less than $5,600. This included three large fireplaces, and all exterior walls of Pearl Gray SCR face brick by INTERPACE. How's that for the interesting texture, substantial look, minimum maintenance and many other advantages of face brick! ■ For building materials of all types—standard or unique—with the many virtues of chemically inert ceramics, see the man from INTERPACE.

Gladding, McBean building products by

INTERPACE

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Coupon No. 24

ARCHITECTURE/WEST
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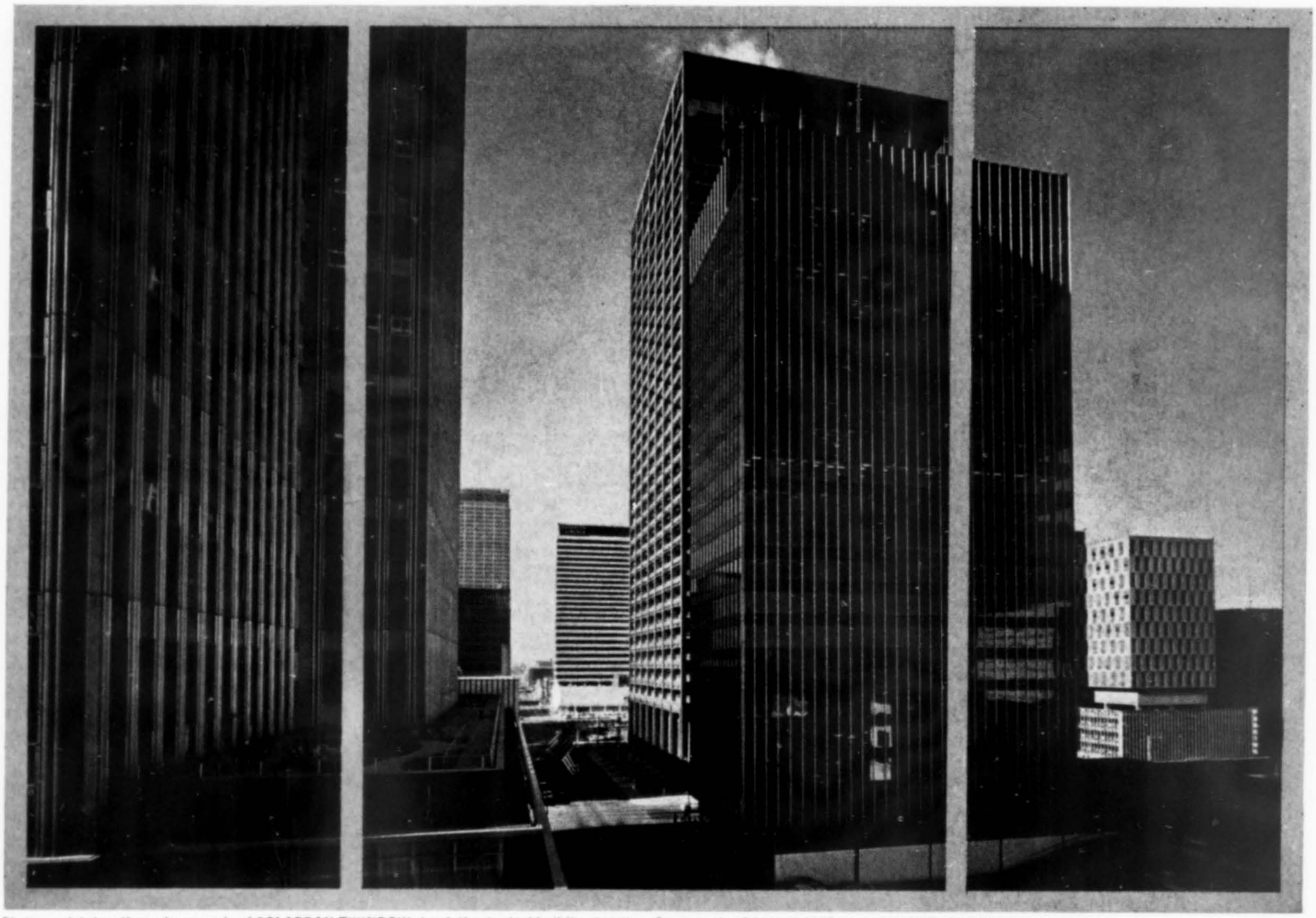
Seattle, Wash. 98102

You're looking at Houston through a new glass from PPG that shuts out 70% of the sun's heat and has a "U" value of .35



Photograph taken through a sample of SOLARBAN TWINDOW simulating typical building location. Camera: 4 x 5 Linhof, 1/10 second at *f*/22 with Ektachrome daylight.

COMPARATIVE PERFORMANCE DATA		U Value	Maximum Heat Gain (BTU/hr./ sq. ft.)	Visible Light Transmittance %
PLATE GLASS				
Regular Plate Glass	¼"	1.1	200	88
Solargray®	¼"	1.1	150	42
Solarbronze®	¼"	1.1	150	51
Solex®	¼"	1.1	150	73
LHR Clear	¼"	1.1	140	47
LHR Solargray	¼"	1.1	110	24
LHR Solarbronze	¼"	1.1	110	27
LHR Solex	¼"	1.1	110	35
SHEET GLASS				
Clear Sheet Glass	3/32"	1.1	205	90
Graylite™ 31	⅛"	1.1	170	31
Graylite 61	3/16"	1.1	195	61
Graylite 56	7/32"	1.1	190	56
Graylite 14	7/32"	1.1	150	14
Graylite 52	¼"	1.1	185	52
HIGH PERFORMANCE (Insulating, Heat and Glare Reducing)				
Clear Twindow®		.60	170	78
Solarban Twindow		.35	65	20
LHR Solargray Twindow		.60	90	22
LHR Solarbronze Twindow		.60	90	25
LHR Solex Twindow		.60	90	32
Solargray Twindow		.60	115	36
Solarbronze Twindow		.60	115	45
Solex Twindow		.60	115	65

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