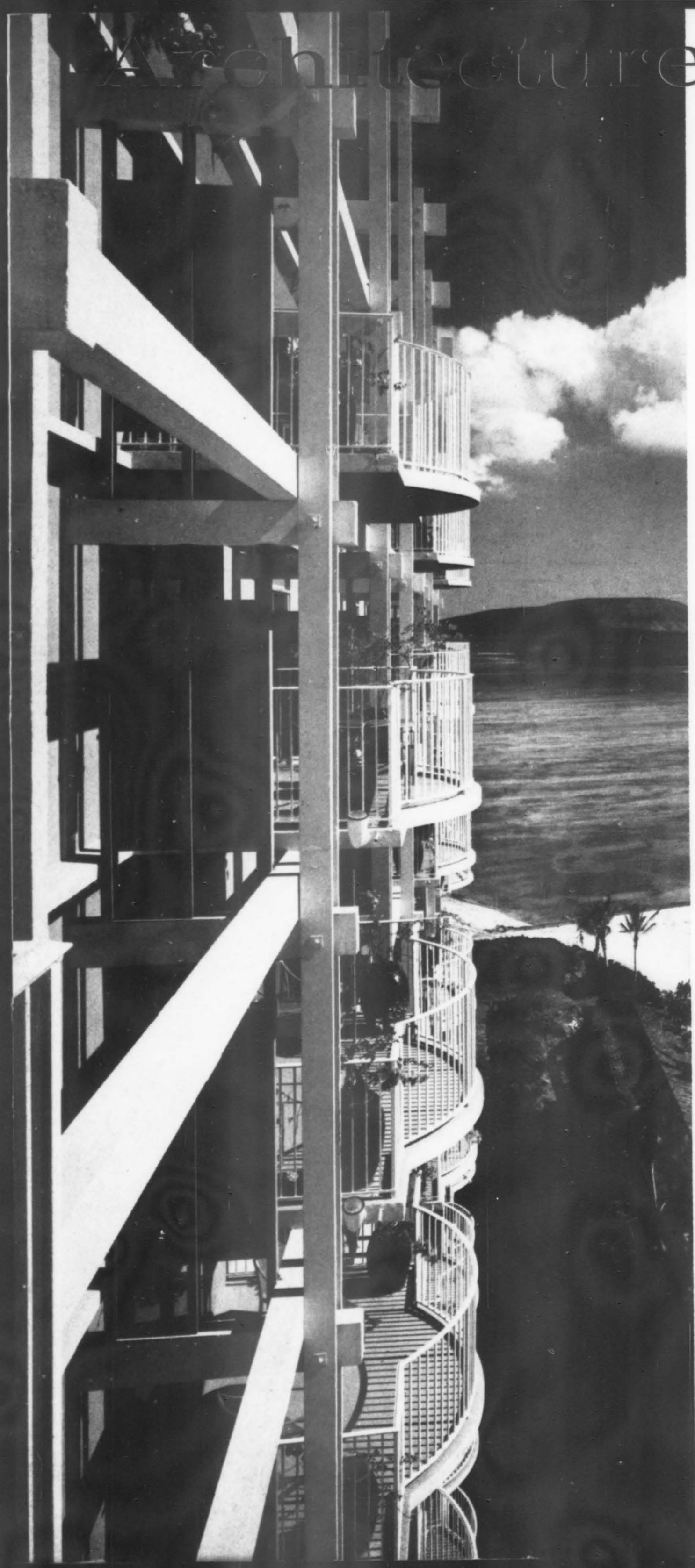
Architecture / West



A/W

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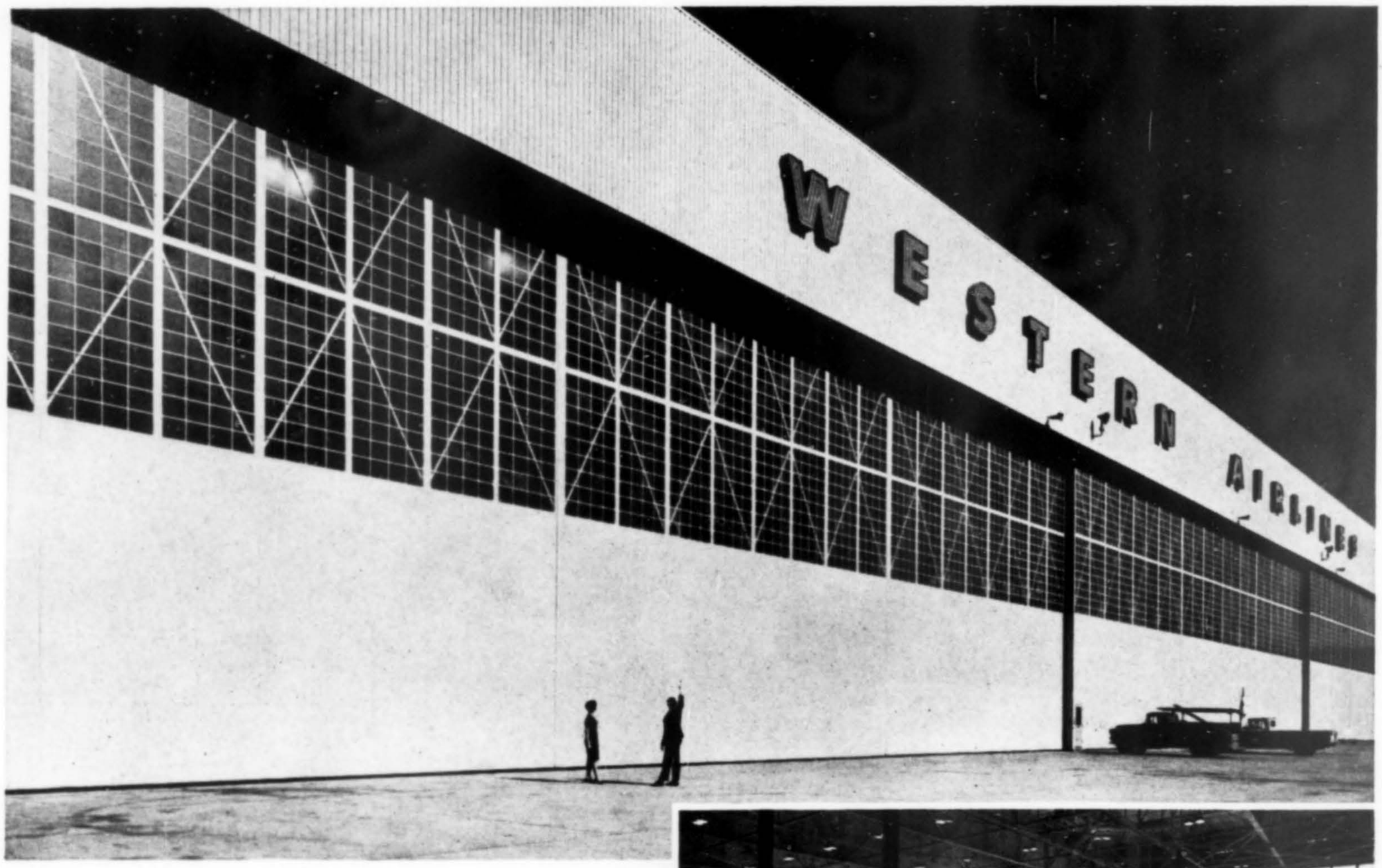
Exclusively to Western Architecture

APRIL 1965



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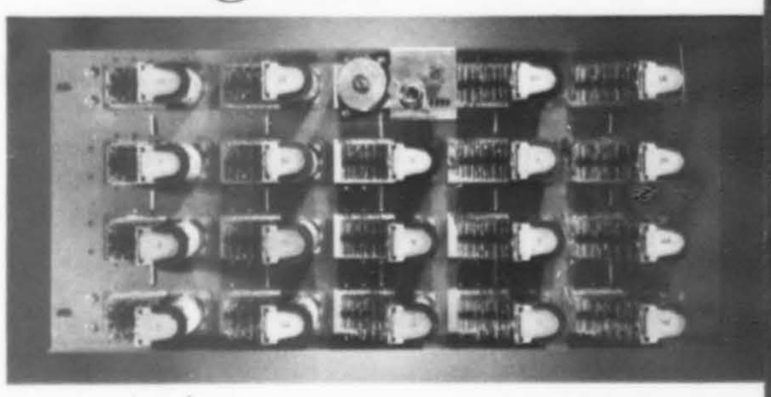

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DESIGN TEAM:

Architects: RATCLIFF, SLAMA & CADWALADER
Landscape Architects: RIBERA & SUE
Planners: WARREN W. JONES, FRANCIS VIOLICH

LAST YEAR, a master plan for a new 42-acre Community Park and Civic Center was accepted by the city of Livermore, California. Twelve new buildings, major landscaping and site work, new street extensions and zoning recommendations, all encompassed by the plan, are to be developed over the next 20 to 30 years. An estimated $4,000,000 will be spent for building construction alone. Tentative structures programmed include an administration-police building, library, auditorium, fire station, cultural-recreational center, parking garage. Construction will start with the library (building at far left in sketch below) for which schematic designs have been approved. Initial site development will follow as the next phase.

The site is one mile southwest of the city's central business district. The Livermore rodeo grounds presently occupy a portion of the site; they will be moved to permit construction of the Civic Center Mall, a wide, curving, divided road cut through the site to form a link with other major areas of the city.

Landscaping will involve substantial earth-moving to create a broad, undulating, open area through the center of the site, visually linking an abandoned gravel pit—the sunken gardens—and recreation areas with major buildings. Three large pools will be formed on the site and considerable tree planting is called for on the major city streets as well as on the site. Circulation within the complex is enhanced by a pedestrian bridge over the Civic Center Mall linking the major buildings.

The study commissioned by the city included the Civic Center as one of its major goals, but it also takes into account the influence of such a project on the overall growth and development of the city of Livermore. ■

Architecture / West

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THE COVER: The Kahala Hilton Hotel, Honolulu; Killingsworth-Brady-Smith & Associate, Long Beach, Calif. Julius Shulman photo. Page 22.

ABOUT THIS ISSUE: It may be that April has given us a roving foot for here we are roaming from Alaska to the Hawaiian Islands, from Montana to Arizona. The projects featured are, we think, truly representative of the area where they are located.

Horace Sutton, in his New York Herald column, noted that King Kamehameha when he landed his war canoes at Waialae Bay, found no luxurious Hilton Hotel ready to lodge him after his long and hazardous journey, but was forced to retire under the coconut palms and the Southern Cross. The year, of course, was about 1795, and the situation has now been remedied. The Kahala Hilton, taking its name from the posh part of town where it is located, stands aloof from the "maddening muumuu mob" of Waikiki. But see for yourself—page 22.

We've long admired the Arizona Republic and their forthright presentation of the news, but more particularly, because they are cognizant of the place architecture and art has in everyday life. So we were pleased as Punch when their feature gal, Mary Leonhard, agreed to send us a story on ranch houses—yesterday and today. Page 30.

Sister M. Marguerite, O.P., librarian at Dominican College, shared with us her article written especially for the California Librarian about the Archbishop Alemany Library. And in so doing, practically wrote the story for us. Page 34.

NEXT MONTH: We'll share with you the unusually delightful Sea World at San Diego as well as two or three of the finest public buildings in the West; for instance, the new City Hall at Eugene, Oregon and the Maricopa County complex in Phoenix.

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Business data on page 54

THE BUILDING MONTH

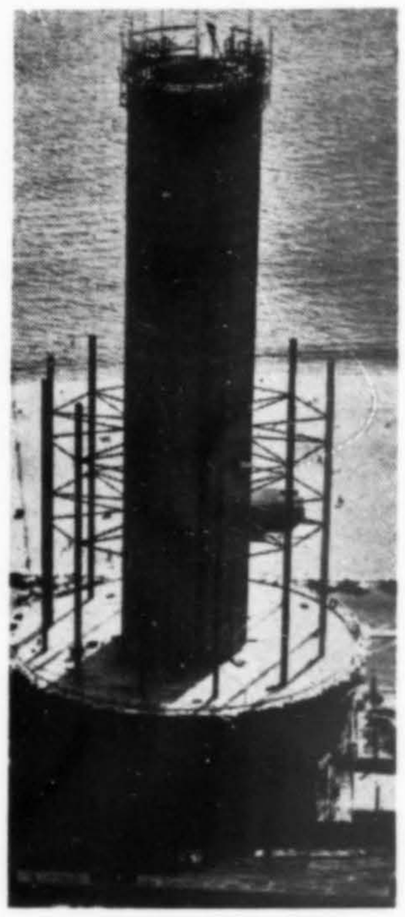
Highlights & Sidelights

LOS ANGELES EXPERIENCING REJUVENATION OF CENTRAL CITY CORE—Downtown Los Angeles is experiencing a boom, perhaps the greatest in the city's history. Skyscrapers, unknown in the area 10 years ago, are giving Los Angeles a "big city" look. The Los Angeles Planning Department and alarmed businessmen publicly announced the city's decline immediately following the post-war period. It seems clear that the area is finding itself and is riding an upsurge that will add nearly $400 million to the downtown's building inventory.

Twenty major projects, from the Civic Center to the Santa Monica Freeway, have recently been completed, or are underway, ranging from the $27.8 million Federal Building, the city's largest office structure located in the Civic Center, to the Bunker Hill Square, cornerstone of the Bunker Hill urban renewal area. The Bunker Hill program, presently in abeyance pending further plans, is expected to see $250 to $300 million in private investments alone. The Los Angeles Department of Water and Power's new $26.7 million headquarters building will be ready for occupancy in a few weeks. The first phase of what will be a four-block mall and underground garage is currently under construction: the $20 million Criminal Courts Building. Preliminary excavation has been done for the $27 million One Wilshire Building, a 30-story structure. Other projects include a 34-story, $28 million Crocker-Citizens National Bank; an 11-story headquarters building for State Mutual Savings & Loan Association; an $18 million, 26-story City National Bank; a $10 million terminal for Western Greyhound Lines; a twin structure for the first 13-story unit of the $50 million California Mart project who are also planning a 20-story hotel, an auditorium and convention center. Nearing completion, a 15-story, $5.5 million Wilshire Metropolitan Medical Center and the 32-story Occidental Center Building.

S.O.M. SEEKS TO SAVE FIRM NAME IN OREGON—An effort to save one of the best known names in American architecture—Skidmore, Owings & Merrill—is being made in the Oregon State Legislature. A bill has been introduced to amend a 1961 law requiring that architectural firms drop from their company name the name of any partner who is deceased three years after that person's death. Louis Skidmore died in 1962. This would change the Portland firm to Owings & Merrill. Other names could be added. However, this would also mean that the firm's offices in New York, Chicago and San Francisco would be operating under the old name. The Portland office, with a staff of 70, would be the only division under a different name. Kenneth Warren, Eugene, president of the Oregon Council of Architects, said that most members favor retention of the 1961 law, arguing that it is more professional to follow the same requirements that law firms must follow in Oregon.

NON-DISCRIMINATORY CODE ADOPTED—The San Francisco Real Estate Board has adopted a non-discriminatory code of practices and has announced it will fine, suspend or expel any realtor who fails to offer equal services to members of all races. The code prohibits block-busting and the blacklisting of realtors who follow open housing practices.



THE TOWER, a 34-story prestressed concrete apartment building in Long Beach, California, has been rising at the rate of two floor slabs a week, according to Atlas Prestressing Corporation of Van Nuys, the post-tensioning contractor. All stressing is done at the interior surface of the core wall and the stressing recesses are automatically covered by a slab poured inside the core wall. Owner and general contractor of The Tower is Henry Sassoon. Architects: Carl Troedsson and Charles Boldon; structural engineers, T. Y. Lin and Associates.

CALIFORNIA LIEN LAW CLARIFIED—Language to clarify State Lien Law protection for the architect was approved by the California Council, AIA, in December and Robert E. Burns, Council attorney, instructed to present proposed language to the legislative advisory committee preparing extensive revisions to the law. The following has been proposed:

"If the Work Improvement is not commenced on a parcel of real property, an architect or engineer, within 60 days after completing the services which he has furnished for such parcel of real property, or within 60 days after notification by the owner that the Work, of Improvement will not commence on such property or has been abandoned, may record his Claim of Lien upon the property for which he has furnished such services. Such lein shall be effective on the date of recording. If the Work of Improvement is thereafter commenced on such property, such lien shall have priority from the date of commencement of the Work of Improvement . . ."

MARBLE FOR INTERIORS ON UPSWING—A prediction of a 25% increase in the use of marble for interior decoration during the next two years has been made by Guy H. Dennis, president of Watco-Dennis Corporation, Santa Monica. A nationwide study made by the firm indicates a sharp upswing in the use of marble for decorative effects both in the home and in office buildings. Decline of the use of marble came about, Mr. Dennis believes, because marble stains so easily—and permanently. The firm, manufacturer of oil finishes and preservatives, are now marketing a new product said to prevent marble from staining.

"THE CITY", CALIFORNIA—A $100 million community called simply "The City", is being planned on a 170 acre site at the center of a four city area in the heart of the population center of Orange County, California, one of the fastest-growing areas in the country. The owners, Holiday Inns of America, Inc., Kaiser Aluminum and Chemical Corporation, Rancho Palos Verdes Corporation and Guilford Glazer, nationally known real estate developer, have commissioned architect Minoru Yamasaki to plan the community.

DESIGN CENTER NAMES BOARD—An Advisory Board to the Los Angeles International Design Center has been announced by Henry End, president. The board screens all exhibits for standards of design, quality and variety of products. Serving on the board: **architects** Richard J. Neutra, FAIA; Richard Dorman; Paul R. Williams, FAIA; Graig Ellwood. **Interior designers:** Paul Bennett; Edward Frank; Arthur Elrod; Adele Faulkner, FAID; Robert Hanley; Gerald Jerome; C. A. Korkowski; Edward F. White; Paul Laszlo; Jerome L. Gans, Camille Holland and Larry Hughes. **Other members:** Dr. Richard F. Brown, director of the Los Angeles County Museum of Art; Joseph Cannell; Richard Kramer; Julius Shulman, Vincent Price.

"NON-SHRINKING" CEMENT DUE—The University of California at Berkeley has announced the development of a new portland cement which they believe may lead to major changes in construction and structural design. The new cement expands, and when added to ordinary cement, can prevent concrete from cracking due to drying shrinkage, according to the school. The expanding cement is credited to Alexander Klein, research engineer and lecturer, with the assistance of a study team of faculty members and graduate students.

NEIGHBORHOOD RENEWAL PLAN FOR TRANSIT ROUTE—The Rapid Transit Corridor Study, a general neighborhood renewal plan for a 4,000 acre area along the new San Francisco rapid transit route, will be made in terms of physical planning for land use and circulation. An advance for planning has already been made by the Urban Renewal Administration. The large size of the area will undoubtedly stretch renewal activities over a period of eight to ten years.

NEW HOMES SAID TO BE OBSOLETE — Sanford R. Goodkin, Los Angeles real estate research and marketing consultant, told officials of the Federal Housing Administration in a recent meeting that more than 30% of the homes being built today are obsolete the day they are finished. He believes that outmoded zoning philosophy is the major cause of the obsolescence, and said that while record sums are being spent on research and development, innovations to achieve new environmental patterns usually meet with suspicion and delay when proposed to local political entities.

LAW SUIT THREATENED—The San Francisco Health Inspectors Association plan to go to court if the Board of Supervisors in that city approves consolidation of duties of building and health inspectors. The plan would allow building inspectors to issue permits of occupancy without first calling in health department personnel to inspect sanitation.

CALENDAR OF COMING EVENTS—

National Association of Architectural Metal Manufacurers 27th annual convention, Hilton Hotel, New York City, April 25-May 1.

National Terrazzo & Mosaic Association, 42nd annual convention, Palmer House Hotel, Chicago, May 2-6.

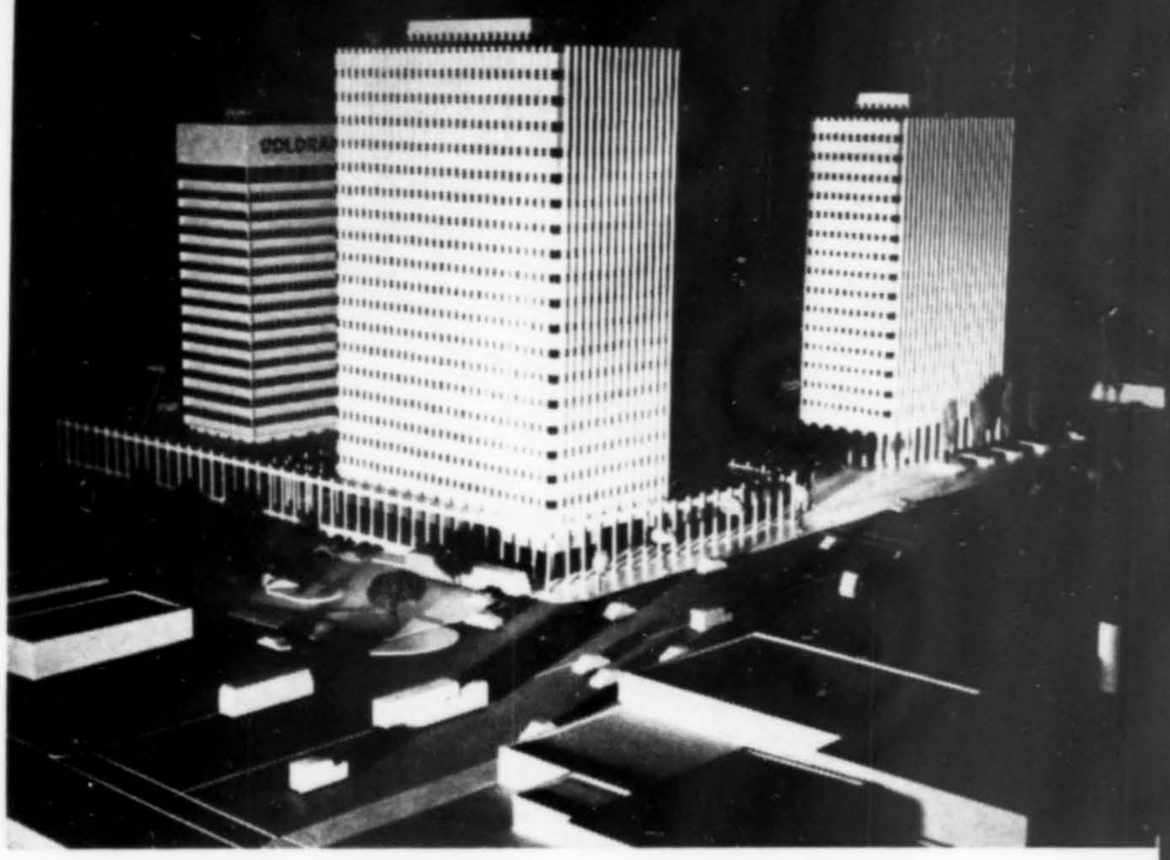
Second National Convention, **Consulting Engineers Council,** Chase-Park Plaza, St. Louis, May 19-21.

Fourth annual technical meeting and exhibit, **American Association for Contamination Control,** Hotel Fontainebleau, Miami Beach, Florida, May 25-28.

Construction Specifications Institute annual convention, El Cortez Hotel, San Diego, May 24-25.

California Building Material Dealers Association, first Mid-Year Conference, Highlands Inn, Carmel, Calif., June 3-6.

DIAGNOSTIC AND TREATMENT CENTER for the Los Angeles Orthopaedic Hospital will cost an estimated $4 million. It will replace the present Memorial Clinic and will encompass five floors and full lower level. Extending beyond the central building will be a one-story housing a Disaster Clinic area, meeting hall, kitchen serving area and staff lounges. Construction is set to begin in April, 1965, with occupancy scheduled for late in 1966. Architects: Albert C. Martin & Associates, Los Angeles.



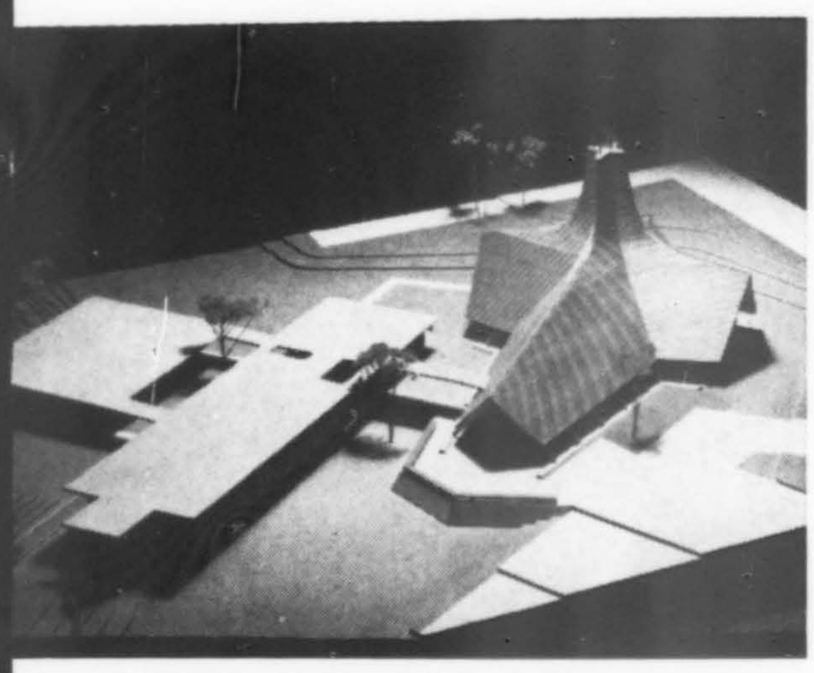
ANTLERS PLAZA, Colorado Springs, is a $15 million development including a 300-room hotel, a 16-story office building and a parking level, three stories below street level to accommodate 850 automobiles. Escalators will serve lower levels and street surface. The 11-story hotel is estimated to cost $5 to $6 million alone. The three facilities are expected to be ready for use by late summer, 1967. Architects: Lloyd J. Lovegren and Associate, Robert I. Hobble, Seattle; Edwin A. Francis and Carlisle B. Guy, Associated Architects, Colorado Springs.

PROJECT PREVIEW

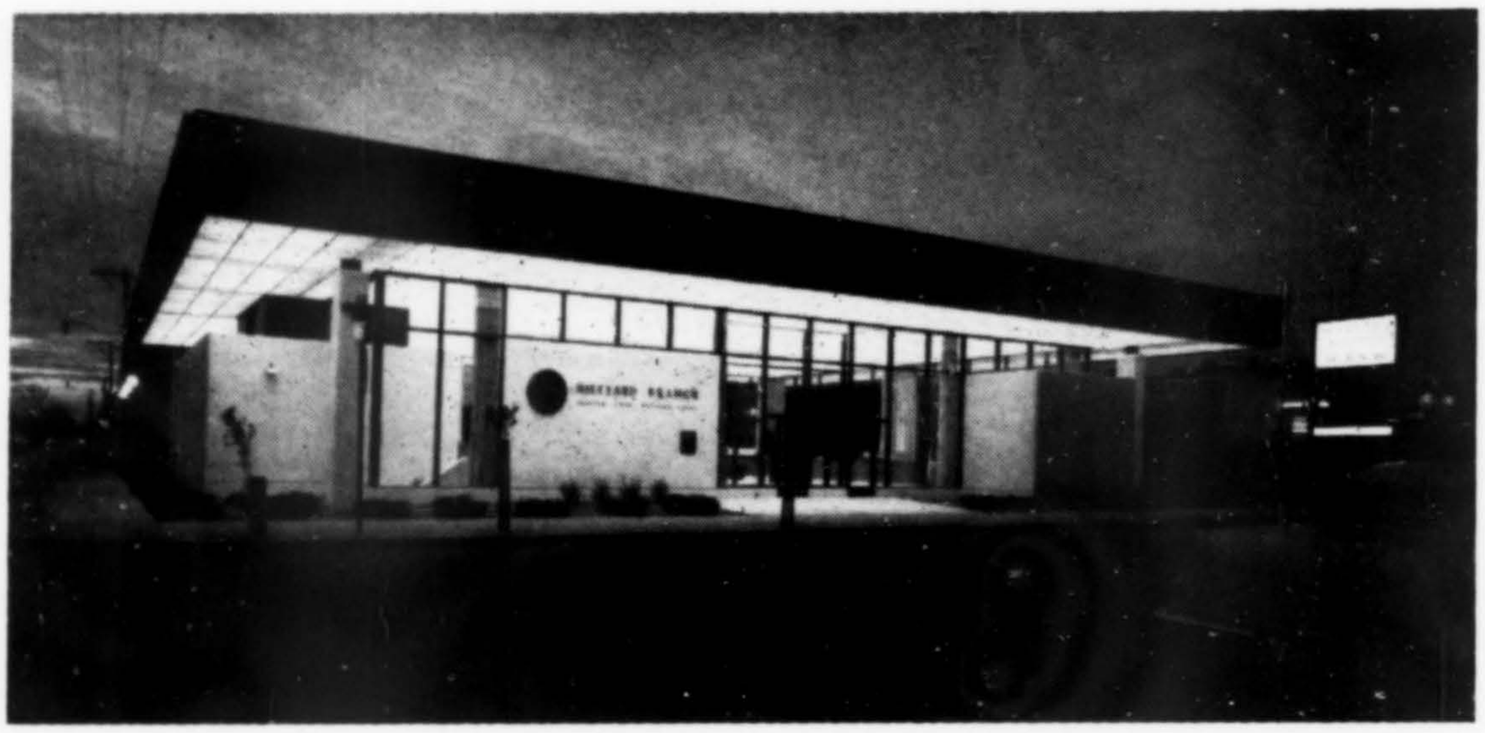
CIVIC AUDITORIUM COMPLEX, Salt Lake City, will include a concert hall, arena, exhibit building on 22 acres in the downtown area. A circular, 14,000 capacity arena, 10 stories high will be located at southern end of complex, joining the other two buildings with an enclosed concourse. The two-story exhibit building, in the center, will be located behind a park with a sunken garden and fountain. The concert hall, six stories high, will feature cast stone columns, 16-ft. apart. There will be plazas throughout, numerous parking level entrances and exits. Construction will feature steel, concrete and stone. Estimated cost: $17 million. Architects: Bonneville Architects, a joint venture between Bruce J. McDermott and Harold K. Beecher.

SALISHAN LODGE on the Oregon Coast near Taft, Oregon will be situated on a 10 acre site overlooking Siletz Bay and the Pacific ocean. The $1½ million resort and convention center will have a central lodge building, 96 deluxe oversize guest accommodations built in a dozen cluster units will include gift shop, coffee shop, dining accommodations, unique second-floor cocktail lounge. All buildings will feature cedar shake roofs, resawn fir siding with heavy, rough batts, covered walkways, carports, observation decks. A heated swimming pool, putting green, 18-hole golf course are included. Architect: John Storrs, Portland; Del Bennett, contractor.

"DRAGON GATEWAY" into the heart of Grant Avenue, San Francisco, will be the largest new building in Chinatown in more than a decade. The seven-story structure will have three floors of retail shops, one an arcade connecting Grant Avenue with parking in Portsmouth Square. Entrance level will be set back 10-ft. from sidewalk. A wide spiral ramp will carry shoppers to third floor. The Grant Avenue level and arcade will be decorated with bona fide Chinese junks, Ming trees, other Oriental decor. Roof design will provide a garden in the sky. Overall design will be Chinese pagoda-like, with balconies at each floor. (The above sketch is revised from that appearing in the July 1964 issue of A/W). Architects: Chan & Rader, San Francisco.



FIRST PRESBYTERIAN CHURCH, Snohomish, Washington, will be principally of wood. Glue laminated beams and arches will be used for basic roof and tower structures; roof decking will be cedar tongue-and-groove; roofing of cedar shakes. Exterior walls will be stud construction with resawn surface cedar siding; plasterboard interior walls. Floors will be concrete slab on grade covered with resilient flooring tile except for carpeting in chancel. Church will seat 300. Architects: Grant, Copeland & Chervenak, Seattle; Datin Construction Co., contractor.



HILLYARD BRANCH, Seattle First National Bank, Spokane. Architects: Walker & McGough; William F. Spilker & Sons, contractor. "A very competent, sophisticated solution to the problem of a community branch bank. A well coordinated use of materials, colors and form with an elegance befitting a banking institution. A well delineated and controlled plan concept. Furnishings, graphics and landscaping all contributed to the total image."
Robert Nixon photo.

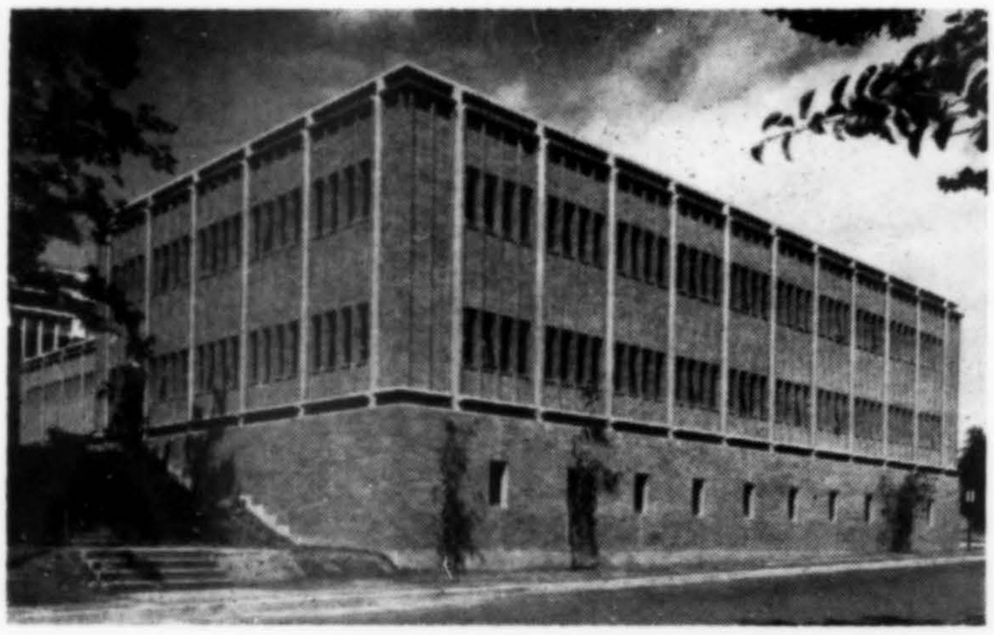
Three winners named in Spokane Chapter AIA, fifth awards program

Three contemporary styled structures received architectural excellence awards in the recent Spokane Chapter, AIA, fifth annual awards competition.

An Honor Award was given architects Walker & McGough for the Hillyard branch bank. Merit awards went to Warren Heylman for Blair residence; and McClure & Adkison for Computer Center.

Jurors were Paul Hayden Kirk, FAIA, Seattle; George Rockrise, FAIA, San Francisco; architect Allen Liddle, Tacoma; and Harry C. Weller, dean of architecture, Washington State University.

RESIDENCE of Dr. and Mrs. John E. Blair, Liberty Lake. Architect: Warren C. Heylman; T & C Construction Co., contractor. "A delightful house. An interesting complex of interlocking volumes and plan relationships. Well adjusted to the owner's program, site and furnishings. A spirited solution."



COMPUTER CENTER BUILDING, University of Washington, Seattle. Architects: McClure & Adkison; Baugh Construction Co., contractor. "A modest building, well integrated by its use of materials, form and scale to the campus and its adjoining structures."
Charles R. Pearson photo.

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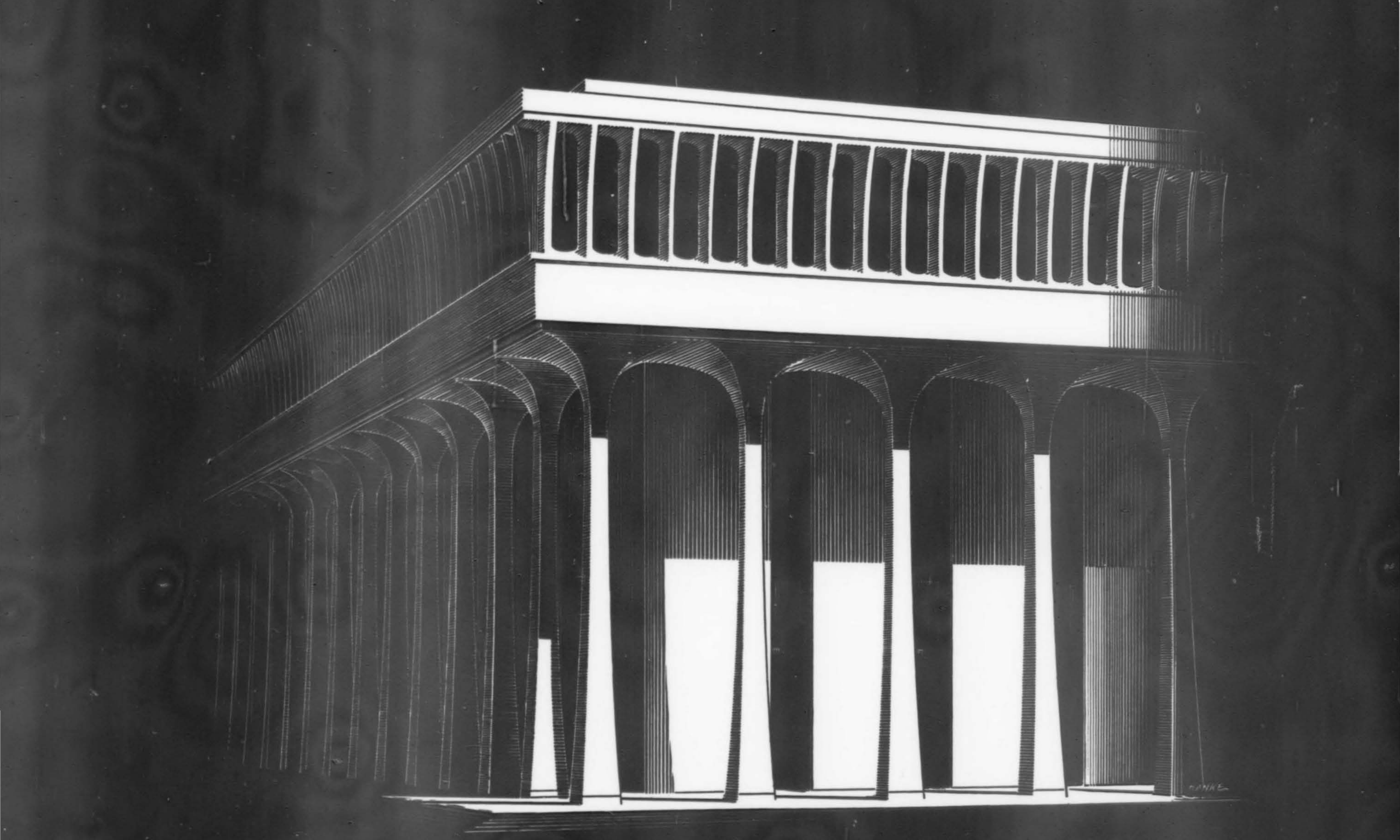

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MRS. BERTYL WERNY RESIDENCE, Ketron Island, Puget Sound. Architects: Harris, Reed and Wilson. Honor Award. "Interior spaces of exceptional quality. Meets the needs of an unusual family. A very successful building."

NATIONAL BANK OF WASHINGTON, Auburn branch. Architects: Liddle & Jones. Honor Award. "A handsome building, handled in a skillful manner . . . imparts a sense of dignity and purpose. It sets a high standard for the requirements of the urban design of the commercial neighborhood where it is found."

Southwest Washington AIA program honors five projects

A three-man jury bestowed honors on five Tacoma buildings in the third annual awards program of the Southwest Washington Chapter, AIA. Two projects were accorded Honor Awards: the National Bank of Washington, Auburn branch, designed by Liddle and Jones; and the Mrs. Bertyl Werny residence at Ketron Island for which Harris, Reed and Wilson were architects.

Awards of Merit were given to Ceccanti's Restaurant and to the South Tacoma Chevrolet Mall, both designed by architect William Hocking; and to the Seward Elementary and Handicapped School by Liddle and Jones.

Jurors were architects Ibsen Nelsen, Seattle; Kenneth Brooks, Spokane, and Walter Gordon, Portland.

SEWARD ELEMENTARY SCHOOL. Architects: Liddle & Jones. Award of Merit. "An unusual building, especially commended for its exceptional interior spaces. Through a most skillful use of color, the architects have created a series of interiors that seem especially appropriate for the school's requirements. . . . fine interiors for an unusual and demanding program."

CECCANTI'S RESTAURANT. Architect: William Hocking. Award of Merit. "A fine solution for perceptive clients who have made a contribution to the growing needs of Tacoma for a fine set of places in which to dine. The bar seems especially successful and is an appropriate and skillfully designed room . . . commends particularly the excellent graphics of the sign at the entrance to the site. The exterior character of the building and the interior design add up to an architectural success."

SOUTH TACOMA CHEVROLET MOTOR MALL. Architect: William Hocking. Award of Merit. "The handling of the needs of a used car emporium, here for the first time, may provide an example that may alleviate the ugly problems of our arterial automobile row areas. The architects and the clients are to be commended for a thoughtful and successful solution to a problem."

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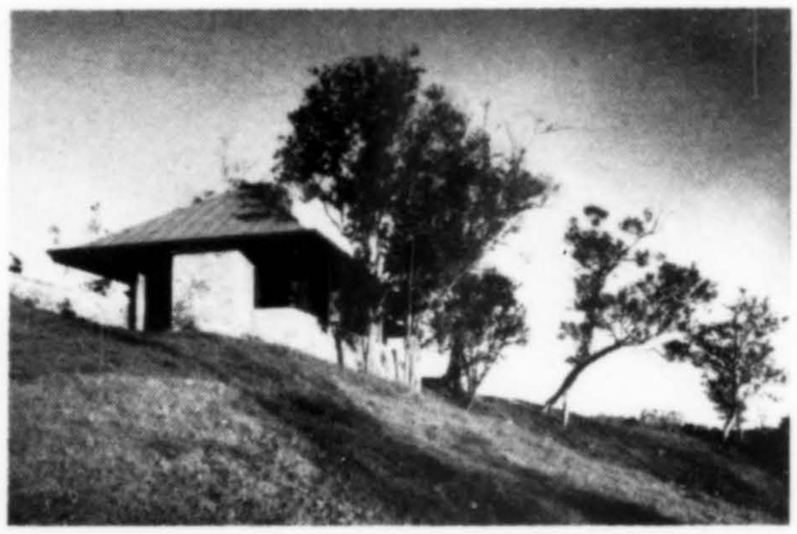
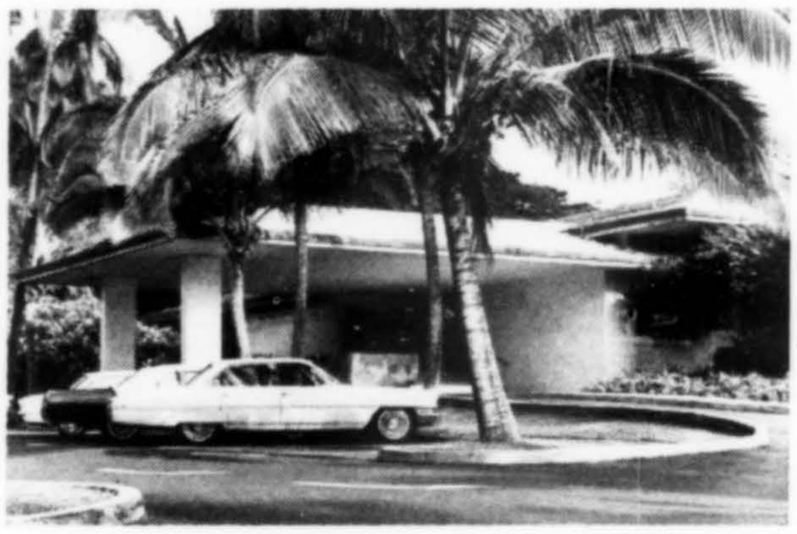
RESIDENCE, Professor Kenneth Kingrey. Architects: Johnson & Perkins. Achieves its purpose by becoming an integral part of the owner's art objects.

OUTRIGGER CANOE CLUB, Honolulu. Architects: Vladimir Ossipoff & Associates; Wimberley, Whisenand, Allison & Tong, associated architects. Cited for the exciting use of open interior spaces and for materials and forms expressive of Hawaii's beaches.



RANCH HOUSE for Woodson K. Woods, Paauilo, Hawaii. Architect: Thomas O. Wells. Especially commended for a design which shows unusual sympathy for the dramatic windswept site.



THE PACIFIC CLUB, Honolulu. Architects: Vladimir Ossipoff & Associates; Merrill, Simms and Roehrig, and Harry W. Seckel, associated architects. Recognized for its quiet elegance and for outstanding landscaping that penetrates its interior.

Hawaii Chapter, AIA, citations

Five Honor Awards and three Honorable Mention citations were presented by the Hawaii Chapter, AIA, in their annual recognition for outstanding accomplishment by local architects.

Also honored was An Nimmanahaeminda of Bangkok, Thailand, recipient of this year's Pan Pacific Architectural Citation.

In addition to the five Honor Awards shown on this page, the firm of Johnson & Perkins also received two Honorable Mentions: for the Tropic Seas Apartments and the C. J. Henderson residence.

A third Honorable Mention went to the firm of Bradley & Wong for their design of the Village Inn Restaurant.

CIVIC AUDITORIUM, American Samoa. Architects: Wimberley, Whisenand, Allison & Tong. Captures the essence of the traditional "fale" or longhouse of Samoa.

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Brief Reviews of .

The Chicago School of Architecture, a History of Commercial and Public Building in the Chicago Area, 1875-1925. Carl W. Condit. University of Chicago Press, 1964. 256-pp., 196 plates. $8.50.

AT LEAST PASSING mention is made in all history courses in today's architectural curricula of "The Chicago School" since Gideon's re-discovery of this pioneering era in the art of building. Carl W. Condit's new book is a carefully documented, well-developed story of the evolvement of multi-story construction in the burgeoning economic, social and cultural growth of post-fire (1871) Chicago.

Sullivan and Wright are the publicized genii of the Chicago School. It is to the credit of this book that their work is shown to be very much a part of a consistent, interrelated development: the creative product of many minds over a period of years. For example, William LeBaron Jenney, John Wellborn Root, the firms of Daniel Burnham, Holabird and Roche, and many others contributed to that apogee of the Chicago School usually credited to Adler and Sullivan.

Continuing, the story is traced in small buildings (including some residences) as this once vigorous period comes to a halt about World War I. However, Condit always relates his story to current happenings. In a forceful warning on today's "systematic vandalism" by those who regard architecture as a form of merchandising, Condit says:

> *What one age builds is always threatened by the next; thus the good may as easily fall as the poor or indifferent. The basic truth is that there is a fundamental contradiction in the United States between the aims of commercial enterprise and the values of aesthetic achievement. At times they meet, but only temporarily and because of a fortuitous similarity of purposes. The overriding necessity, then, is to combine legislation for protecting architectural landmarks with education of the popular taste at least to the point where the commonplace emotions of local pride and attachment may*

Current Reading

be associated with buildings valuable chiefly because of their intrinsic aesthetic excellence. The most destructive consequence of a consumers' economy resting on a militaristic basis, other than war itself, is that works of art may be consumed like the most ephemeral of material goods.

Completely illustrated, the book suffers somewhat in the placement of the intermittently grouped plates. This often results in considerable thumbing to match text to photos.

□

THREE BOOKS THAT DELIGHT THE EYE (and tell about cities)

NEW YORK: PEOPLE & PLACES. Text: Percy Seitlin; Victor Laredo. Reinhold Publishing Corp. 12 pp. $12.50.

The incredibly varied and rich human life of New York City is recorded here, often against the backdrop of the architectural ornament of the past. Beautifully presented.

□

MARK TOBEY: THE WORLD OF A MARKET. Mark Tobey. University of Washington Press. 64 plates. $7.50.

Across the continent, Seattle's Public Market is venerated by one of America's leading artists. Color plates of Mark Tobey's quick sketches capture the flavor of "everywhere there are the old men of the Market . . . every day there was a fiesta."

□

CITIES. Lawrence Halprin. Reinhold Publishing Corp. 224 pp. $15.00.

One of America's most active practitioners in the art of shaping cities documents the constituent elements of the landscape of cities, "which is to say, the open spaces, and what goes on in them". Good photographs. Antidote for all how-to-do-it books.

T-SQUARE TALK

NEW OFFICES

Donald R. Goodman annbounces the opening of his office for the practice of architecture at 3611 Fifth Avenue, San Diego.

Chester A. Widom announces the opening of his office at 8303 Melrose Avenue, Hollywood, California.

OFFICE CHANGES, ADDITIONS, PROMOTIONS

Irving D. Shapiro & Associates, Los Angeles architectural-land planning firm, announces the appointment of John E. McCarthy as vice president.

Glenn Barngrover has been named a partner of Langhart, McGuire & Hastings, Denver architects and engineers. He joined the firm in 1961 having been previously associated with Fuller, Fuller & Fuller.

Los Angeles architects-engineers-planners Albert C. Martin & Associates announce the appointment of five new associates: architects Charles H. Griggs and Miles Perlis; engineer Edwin B. Foster; interior designer Tom Mason, and chief civil engineer Berton R. Bradley.

Daniel Kravet has been named an associate of Mayer & Kanner, Los Angeles architectural firm. He has been with the firm three years serving as project manager on most of the company's primary projects during that period.

Ben F. Hurlbut, consulting structural engineer, Billings, announces a change in firm name to Hurlbut & Kersich, Consulting Engineers, with a new partner, A. T. Kersich. Offices remain at 936 Grand Avenue, Billings.

James Bernhard and Allen Greene have been named associate members of the Portland and Eugene architectural firm of Wilmsen, Endicott and Unthank. Both men will continue work in the firm's Eugene office.

Harry G. Widener, Jr., business manager of Naramore, Bain, Brady & Johanson, Seattle architects-engineers, has been named a partner in the firm. He has been a member of the firm since 1960.

Felix Sarapu, manager of Richard R. Bradshaw, Inc., structural engineers Hawaiian division, announce that Norman Wittenberg and Hans Baumgartner have transferred from the firm's Los Angeles office to the Honolulu office, and Keith Rhodes, from Portland, has joined the staff.

Donald B. Gutoff, vice president in charge of city and regional planning in the Los Angeles office of Wilsey, Ham & Blair, architectural-engineering and planning firm, has been promoted to head up a new department of planning and environmental design serving Southern California, Arizona, New Mexico and Texas. He will headquarter in the Los Angeles office.

The Ken R. White Company and Donald L. Prezzler, architect, Denver, announce the appointment of David E. Nichols as supervising architect to coordinate the architectural, structural, mechanical and electrical design sections of the firm.

BRANCH OFFICES

The Nebraska-based architectural-engineering-planning firm of Clark & Enersen, Olsson, Burroughs & Thomsen, have opened a branch office in the Colorado Building, Boulder, Colorado. James S. Junge, architect, and William H. Herrise, consulting engineer, will be in charge.

The Spokane architectural-engineering firm of Culler, Gale, Martell, Ericson, Norrie and Davis have opened a branch office at 1020 George Washington Way, Richland, Washington. Kenneth A. Norrie will be partner in charge.

APPOINTMENTS

William H. Paynter, Bakersfield architect, has been named chairman of the Kern County (California) Planning Commission.

HONORS

Melton Ferris, executive director of the California Council, AIA, has been elected to honorary membership in the American Institute of Architects for "distinguished service to the profession." He will receive the award at the annual AIA convention in Washington, D.C. in June.

Wurster, Bernardi & Emmons, San Francisco architectural firm, was unanimously named to receive the annual architectural firm award by the American Institute of Architects. The presentation will be made during the AIA annual convention in Washington, D. C., June 14-18.

The citation reads "for great and continuing body of finely conceived and beautifully detailed work on the

Pacific West Coast." The firm was founded in 1945, continuing the practice first established in 1926 by William W. Wurster. The other partners are Theodore C. Bernardi and Donn Emmons.

COMPETITIONS

✔ The fifth biennial Western Home awards program co-sponsored by Sunset Magazine and the American Institute of Architects will be judged in two classifications: custom-built new and remodeled houses designed by a registered architect; and merchant-built houses designed by a registered architect for sale by a builder.

Entries are limited to Western entries only and deadline for entries is May 31, 1965. A registration fee of $10 must accompany each entry. Further information may be obtained from Larry Clinton, Sunset Magazine, Menlo Park, Calif.

MISCELLANY

✔ An intensive six-day course on earthquake engineering, covering earthquake characteristics and effects and the design of earthquake-resistant structures, will be given on the University of California Berkeley campus August 30-September 4. Robert L. Wiegel, professor of civil engineering at Berkeley, is course coordinator. Registration is $200. Further information is available from Engineering Extension, University of California, Berkeley, California 94720.

✔ C. A. "Al" Carlson, associate architect, will head the John B. Parkin offices, Canadian architectural firm, at 1801 Avenue of the Stars, Suite 535, Century City, California.

✔ The 11th annual architecture and gardens tour of Japan with a Hong Kong extension will leave from Los Angeles and San Francisco on October 7, 1965. The deluxe 24-day tour, under the direction of Pasadena architect Kenneth M. Nishimoto, will visit all buildings of architectural significance and gardens of renown, both ancient and new. Membership will be limited to 25.

Information may be obtained by writing: Kenneth M. Nishimoto, AIA, 263 South Los Robles Ave., Pasadena, California 91106.

✔ Samuel E. Lunden, partner of the firm of Samuel E. Lunden, FAIA—Joseph L. Johnson, AIA, Architects and Planners, has been elected president of Town Hall of Los Angeles, a men's civic organization of some 3600 members. He has served on the Town Hall board of governors for nine years.

✔ The University of Southern California's School of Architecture and Fine Arts is the only Western institution among seven American schools of architecture invited to display representative work at the July 1965 Congress of the Union Internationale des Architects in Paris. Samuel T. Hurst, FAIA, and dean of the school will be in Paris to speak at the international conference. Henry L. Wright, FAIA, Los Angeles, a member of USC's Architectural Guild and chairman of the AIA Committee on International Relations will also be a delegate to the conference. Theme of the Paris conference will be "The Architect's Education". Each of the participating schools were chosen to examplify different approaches to education in the United States.

ELECTIONS

Ventura County Chapter (Calif.), AIA:

The Ventura County Chapter officially became California's twelfth chapter of The American Institute of Architects on January 1. The chapter was formed by division of the Santa Barbara Chapter. New officers are:

Kenneth H. Hess, Ventura, president
Andrew H. Stephenson, Ventura, vice president
Howard E. Leach, Oxnard, secretary
George E. Wilson, Huntington Park, treasurer

California Council, AIA:

Donald E. Neptune, Pasadena, president
Donald L. Hardison, Richmond, vice president
Wilfred E. Blessing, San Jose, secretary
Cabell Gwathmey, San Francisco, re-elected treasurer

Howard H. Morgridge, Los Angeles, member-at-large

C. Day Woodford, FAIA, Los Angeles, is director, California region.

Monterey Bay, AIA:

George Kuska, Salinas, president
William E. Richater, Monterey, vice president
Sebastian Bordonaro, Carmel, secretary
Raymond L. Belli, Salinas, treasurer

San Diego Chapter, AIA:

Roy M. Drew, president
Harold G. Sadler, vice president
Homer T. Delawie, secretary
Frank L. Hope, Jr., treasurer

Central Valley Chapter, California, AIA:

Dean F. Unger, Sacramento, president
Kenneth K. Kaestner, Modesto, vice president
Edward C. Patton, Sacramento, secretary
Jack Nopp, Sacramento, treasurer

Architectural Guild, support group for the University of Southern California, School of Architecture and Fine Arts:

Lee B. Kline, Los Angeles, president
Herman O. Ruhnau, Riverside, vice president
Stephen A. Stepanian, Los Angeles, secretary-treasurer

Jules E. Brady, Long Beach; John E. Denton and William T. Wheeler, Pasadena; Richard L. Dorman, Sherman Oaks; Roy Y. Donley, Studio City; William H. Paynter, Bakersfield, and Burton Romberger, Newport Beach, directors.

Pasadena Chapter, AIA:

John Kewell, president
Lyman Ennis, vice president
Burdette M. Pulver, secretary
Russell W. Hobbs, treasurer

Northern Utah Architects Association:

Lawrence D. Olpin, Ogden, president
Verl L. Gessel, Ogden, vice president
L. Don Frandsen, Ogden, secretary-treasurer.

Santa Barbara Chapter, AIA:

Kenneth C. Kruger, president
Frank L. Greer, vice president
Glen G. Mosher, secretary
George Ikenoyama, treasurer

Northern California Chapter, AIA:

Burton L. Rockwell, San Francisco, president
Robert B. Marquis, San Francisco, vice president
John Fisher-Smith, San Francisco, secretary
William J. Watson, San Francisco, treasurer

Reno Chapter, AIA:

E. D. Harden, president
Wilson Daniels, vice president
Albert Alegre, secretary

California Council, ARA:

Samuel E. Hart, Los Angeles, president
Lyle N. Barcume, Studio City, recorder
John E. Nyberg, Pasadena, treasurer
Marion J. Varner, Pasadena, regent

Robert Hunn, Santa Monica; Allen Mock, Los Angeles; Ralph Vaughn, Los Angeles; Frank Katayama, Los Angeles; Dwight Chenault; An Ding Chu, Los Angeles; chairmen; John F. Acosta, Jr., chairman of San Diego Chapter.

Owner: The Whitson Company, San Diego, Calif. Architect: Deems-Martin, Associates, San Diego, Calif. Structural Engineer: A. J. Blaylock and Associates, San Diego, Calif. Contractor: Peter Kiewit Sons Company, Arcadia, Calif.

OUT OF THE GEOMETRY OF STRENGTH... a dramatic pattern in beauty for walls of precast concrete

The new 8-story Hillcrest North Medical Center in San Diego achieves exceptional wall interest. The imaginatively-designed wall panels, with tapered sides and wedge-shaped spandrels, provide multiple facets that catch the light in ever-changing patterns. ☐ This striking effect grows out of the structural design itself. The panels, of structural lightweight concrete, are actually vertical load-bearing channels which also enclose space. Panels are anchored integrally with the structure by cast-in-place connections. In this way, beauty is combined with high structural efficiency and economy. ☐ Such stimulating ways of using concrete are opening up a whole new field of architectural design. More and more, you see the beauty of concrete expressed in buildings of all types and sizes.

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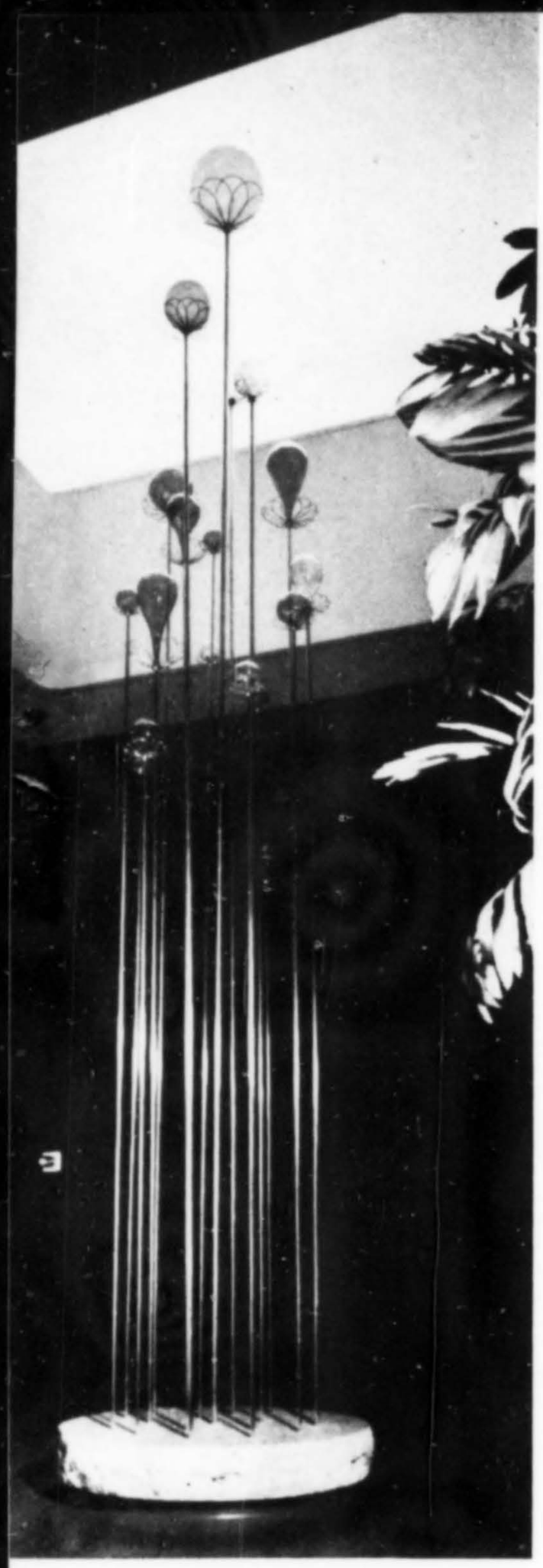


Where the Architects Hang Their Hats . . . . .

CHAIX and JOHNSON
Los Angeles

WHAT TREPIDATION does an architect experience when he sets out to design his own building?

"A little," answers Al Chaix, FAIA, of Los Angeles, for himself.

Chaix and Walt Johnson, his associate, recently completed and occupied one of the most beautiful "little" buildings in its area. Its design has tended to upgrade other buildings, persuading their owners to remodel to conform with a man-made environment fresh and new to the area.

The firm was cognizant of the importance of designing a showcase for themselves, and they undertook this responsibility with humility. A decision was made: Make the design conservative and virile.

The general floor area of the structure comprises 5,336 sq. ft., with 725 sq. ft. of storage space. There is parking area of 3,878 sq. ft. beneath the building, and a parking lot of 7,140 sq. ft. for 38 automobiles.

Chaix and Johnson were concerned with what the public "saw" in the design, so exterior and interior materials received substantial study.

The glazed brick of olive gray was made to specifications for the facade by Interpace, and its sedateness explodes the richness of the gold-plated letters which carry the name of the architectural firm.

An exterior wall at the entrance is an application to simulate old Spanish-type hand-done plasters. Besides the landscaping, which is noteworthy, another front entrance treatment is found in the stained redwood screening and pergola treatment.

Unusual was the amount of wood paneling. The entry and hall were paneled with "Muthenye," Congo walnut from the African Congo. The conference room is paneled with "Curly Oak", American white oak slice-cut and selected for figure and stained to deep charcoal brown. Knotty mahogany, a rare African mahogany stained dark, panels the offices of the principals. Other interior walls are plaster.

To make the offices conform to the conservative and virile design approach, a large amount of sculpture was used, and one of the most unusual is the stabile in the atrium by Robert McClain, metal sculptor.

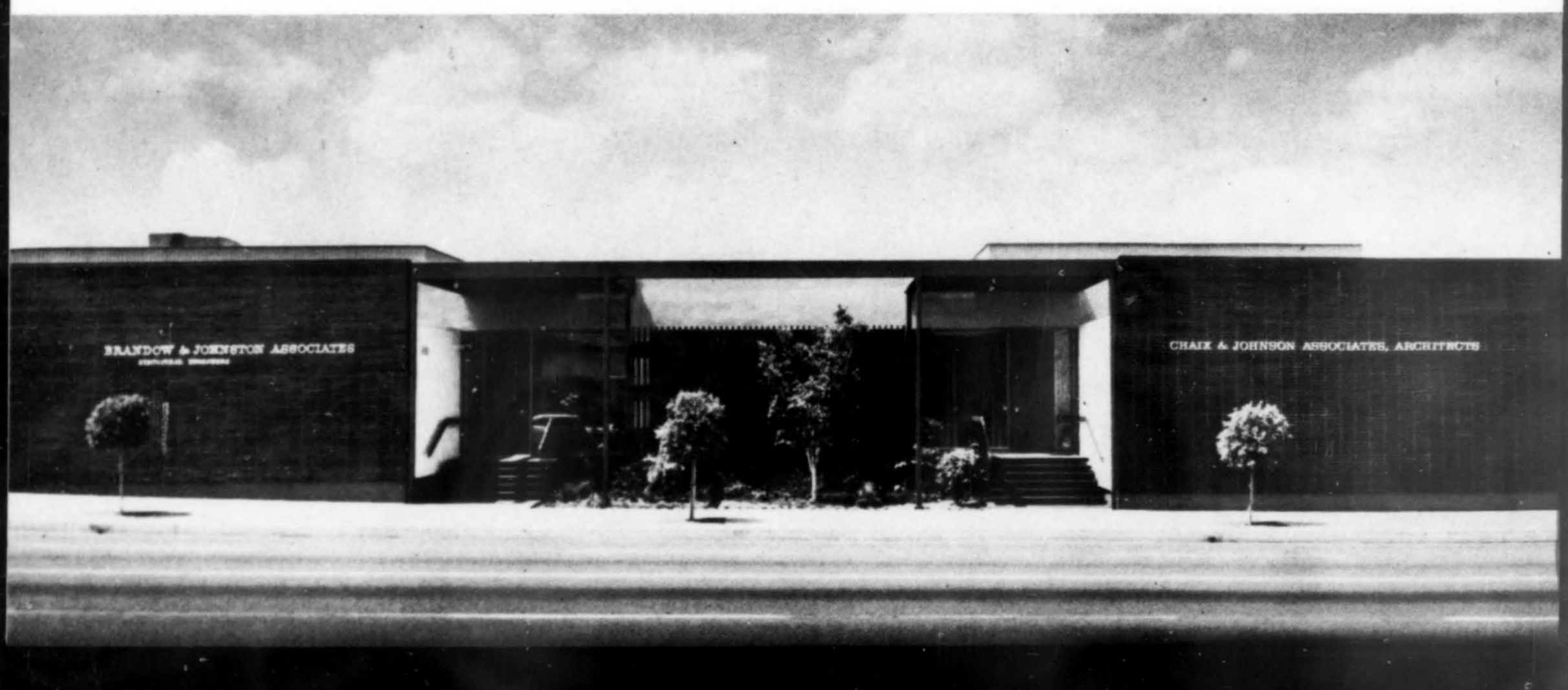
The stabile comprises metal rods embedded into travertine, with custom-blown glass attached to the top of rods from 10 ft. to 12 ft. in height. Situated in front of an air-conditioning vent, the rods wave gently as stems of great exotic flowers.

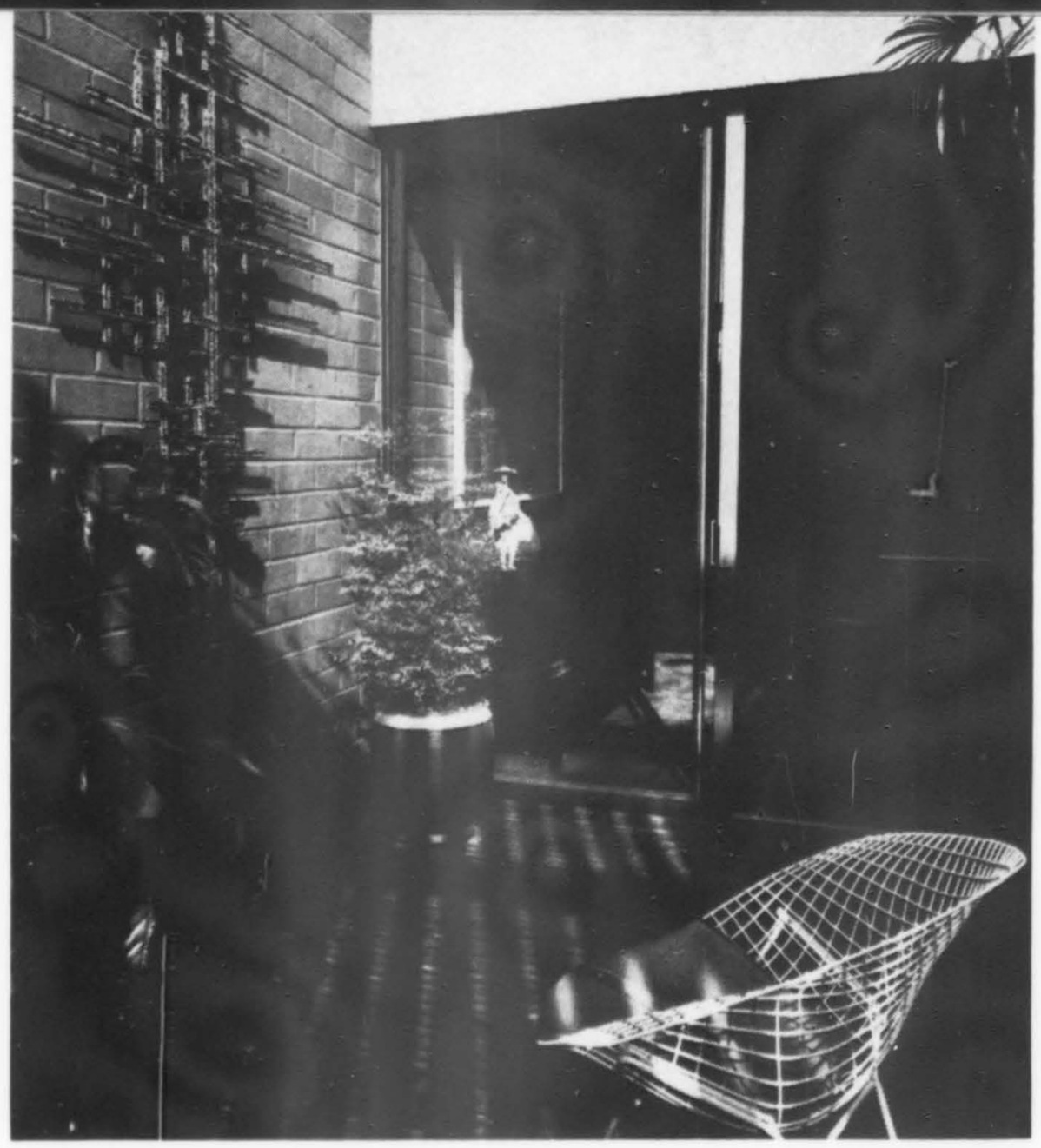
Another sculpture by, Steve Zakian is a mosiac abstract constructed of structural steel channels and brilliant mosaic inserts. Other pieces by Zakian are in Johnson's office and in the office of chief designer Wayne Takeuchi.

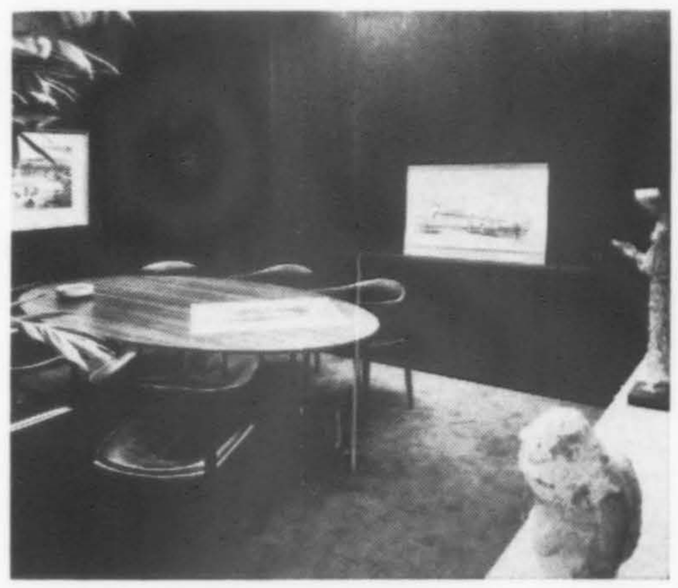
A special use of plants aided the architects in the design. The entry carries a Schefflera oct. (New Zealand Umbrella tree); the atrium, Draceana Margenata (Mexican Yucca); the patio, Nandina Domestica (Heavenly Bamboo), and drafting room, Raphus Excelsa (Ratan Palm) and Dieffenbachia Aneona (Dumb Plant).

Russell Iwanaga, member, American Society of Landscape Architects, enhanced the design values of the structure.

"The landscaping was executed with full recognition of the building site and architecture," says Iwanaga. "Although there was no attempt to use plant materials that were uncommon,







the planting did result in the gathering of plant materials that are exceptionally fine specimens. Notable are the Ficus bejamina, matched Fiscus nitidas, and the Rahpis humilis clump.

"This was a special project for the landscape architect inasmuch as the client was a more sophisticated one than the usual."

Iwanaga's landscape design was not a forced one, although plants were selected for structure and sculpture possibilities, along with color, texture and size. The "tropical" and "palms and yucca" concepts were avoided.

Construction notes: Steel and wood frames, with exterior walls of brick and metal studs, metal lath and plaster. Caisson foundations. Wood frame floor and roof systems, with gravel and composition roofing.

Aluminum sash and sliding doors. Porcelain enamel sun screen, baked enamel finish louvres with armour-weave tops.

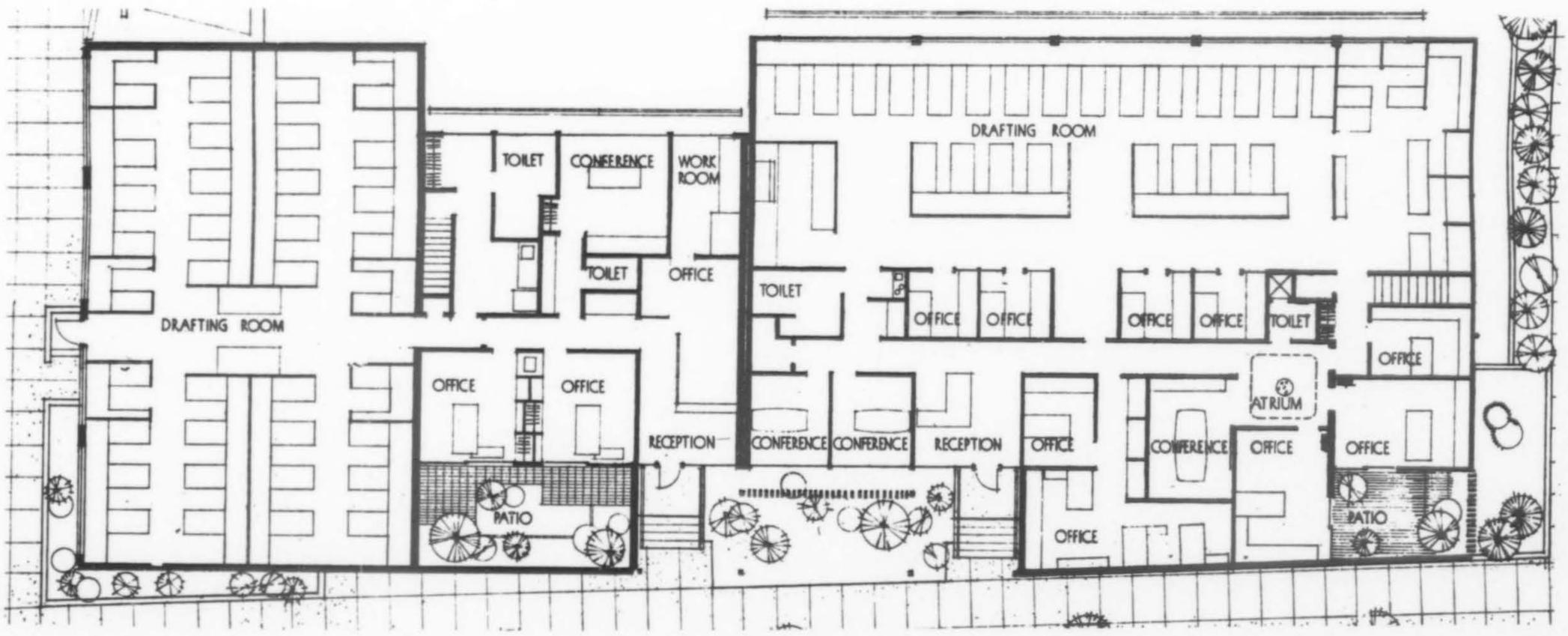
Plaster interiors, with natural hardwood paneling in some areas.

Carpet throughout, including the drafting area, except toilet rooms and print room.

Air-conditioned by Carrier "Heat Pump" system on the roof.

Furniture in the lobby is Herman Miller and Knoll, in the conference rooms by Knoll, with hand-made chairs by Peckanec. Custom furniture in the principals' offices by Knoll and Dunbar.

The architects share the building with Brandow & Johnston, structural engineers on the home-designed project. J. L. Hengstler was mechanical engineer; Sampson, Randall & Press, electrical engineers.



In line with the theme of leisurely elegance, a light, spacious and airy structure was designed. One is immediately aware of this upon entering. Kahala's grand lobby has a Viennese splendor with three enormous chandeliers hanging from the 30-foot ceilings. Irene McGowan used beach colors of blue, turquoise and beige in the 10,000 snippets of glass in each one. Roland Terry, Seattle architect noted for his work in quietly elegant interiors, was associated with the David Williams firm in the design of the interiors of the public spaces.

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Contractors

ALFRED A. YEE & ASSOCIATES
Structural Engineers

KILLINGSWORTH-BRADY-SMITH
& ASSOCIATE/Architects

balconies in the bougainvillae:

KAHALA HILTON

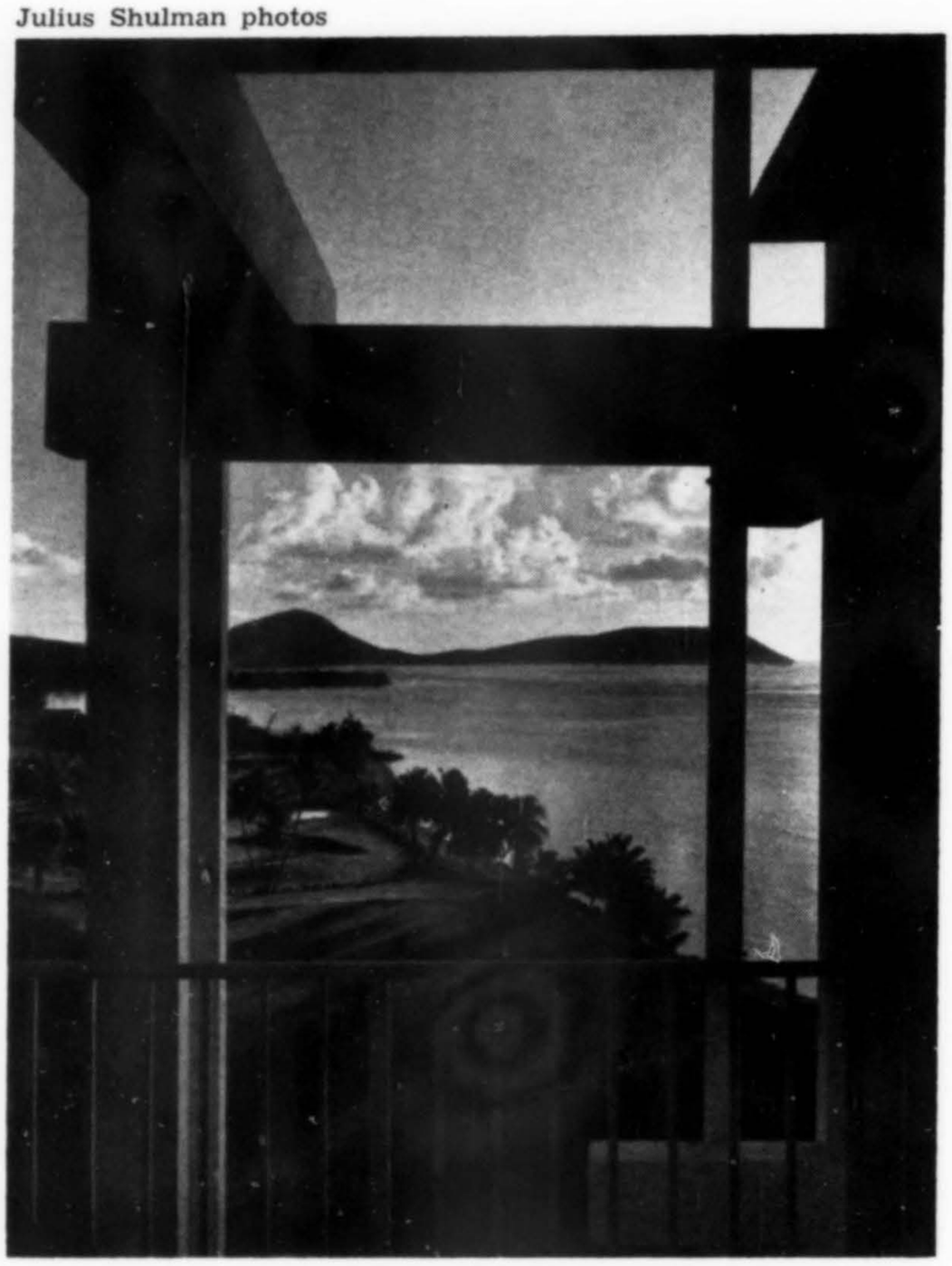
SURROUNDED ON THREE sides by the Waialae Country Club and on the fourth by the Pacific, at the very end of Honolulu's fashionable Kahala Avenue, sits the new Kahala Hilton. For those arriving at the resort islands by jet, the view begins when the plane passes over Diamond Head and descends over Kahala. Killingsworth-Brady-Smith, Long Beach architects recognized by many awards for their deft blending of architecture with the landscape, have designed the project so that it blends with the site rather than dominates it.

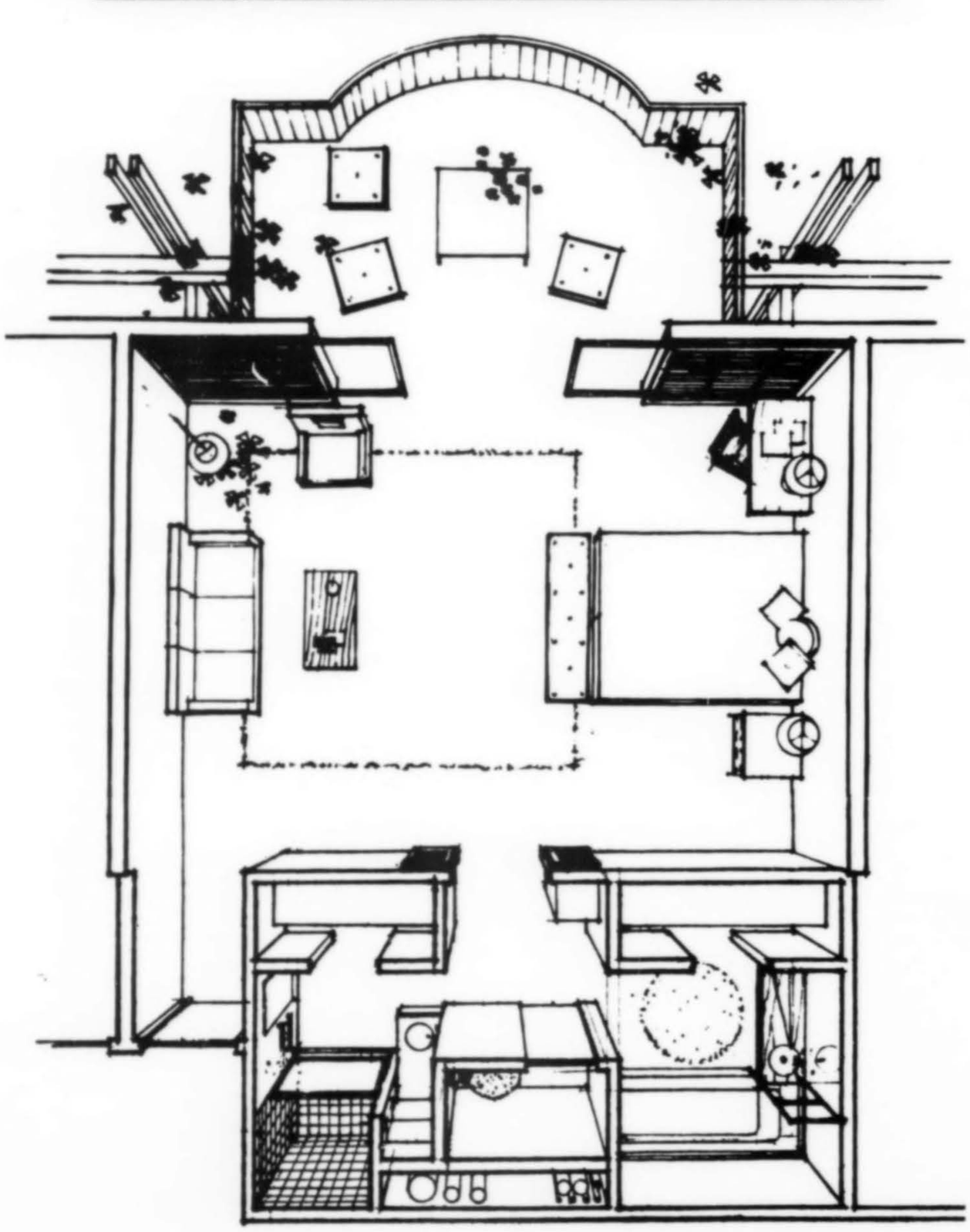
For those who arrive by the land route, a 15-minute drive from the maddening muumuu mob of Waikiki brings one through the royal palm drive to the elevated banyan entrance court. There the new hotel rises on concrete columns, ten stories above the sea and man-made lagoons. The concrete post-and-beam structure (of 6500 psi prestressed concrete worked out with Alfred Yee) forms a giant trellis over which pots of bougainvillae will trail down from the roof, up from the ground, and sideways from the Korean kim chi jars on each of the balconies. When the vines reach their colorful maturity, the hotel will have both blossoms and fragrance.

A hotel that looks like no other, it makes news which the Hawaiian Chamber of Commerce might note: there is neither a tiki nor a Japanese fishing ball nor a fishnet in sight. Instead, lush planting and water delight the visitor. Fountains splash in the dining and lounge and overflow into a stream that goes under a marble bridge, eddies into the lagoon, winds around the pool and cabanas, and returns to the sea. (Landscaping was done by Wilbert Choi.)

Total cost, including land (800-foot waterfront site), is approximately $11,500,000. Construction was started in February 1961; formally opened January 22, 1964.

Julius Shulman photos





THE DESIGN of this hotel did not stop with its building-in-the-garden exterior. The same thoughtful searching for a sense of what is appropriate continued through into the character of the living spaces themselves.

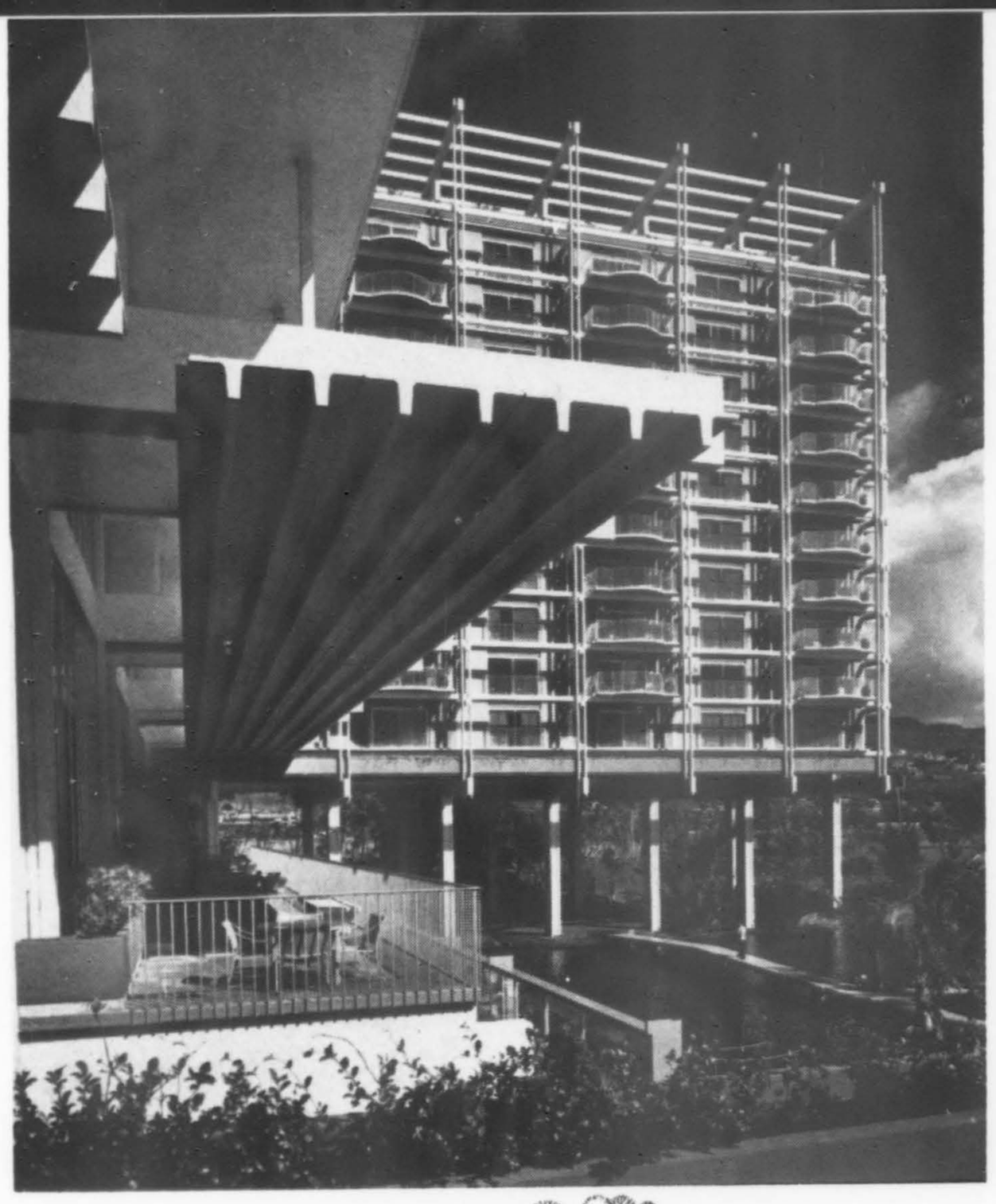
Extensive research by the architects confirmed the use of living-sleeping areas with a large lounging space adjacent to the sleeping area. This in turn opens out through sliding doors to the individual balconies: the "view in each window". The main shaft of the building (offset in plan from the center elevators so that the corridors appear relatively short) contains 300 rooms each 16x21′-6″ in size, with the long side to the exterior. Sixty suites are also provided within the hotel.

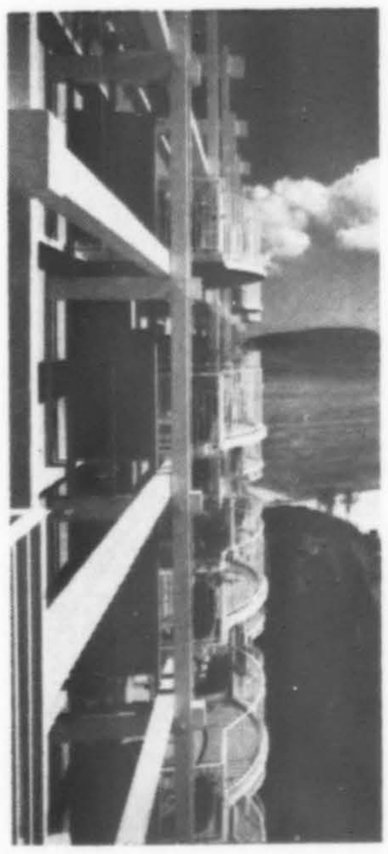
Every guest room has a sitting area with rugs thrown across a teakwood floor. The floors are cool in a conscious effort to get away from the wall-to-wall carpets and heavy draperies that the guests left in Chicago and New York. The guest room interiors, designed by David Williams, Inc. (veteran designer for Hilton Hotels), use vivid splashes of color in rugs with mellow beiges and browns of the teak floors and wood shutters at the sliding doors.

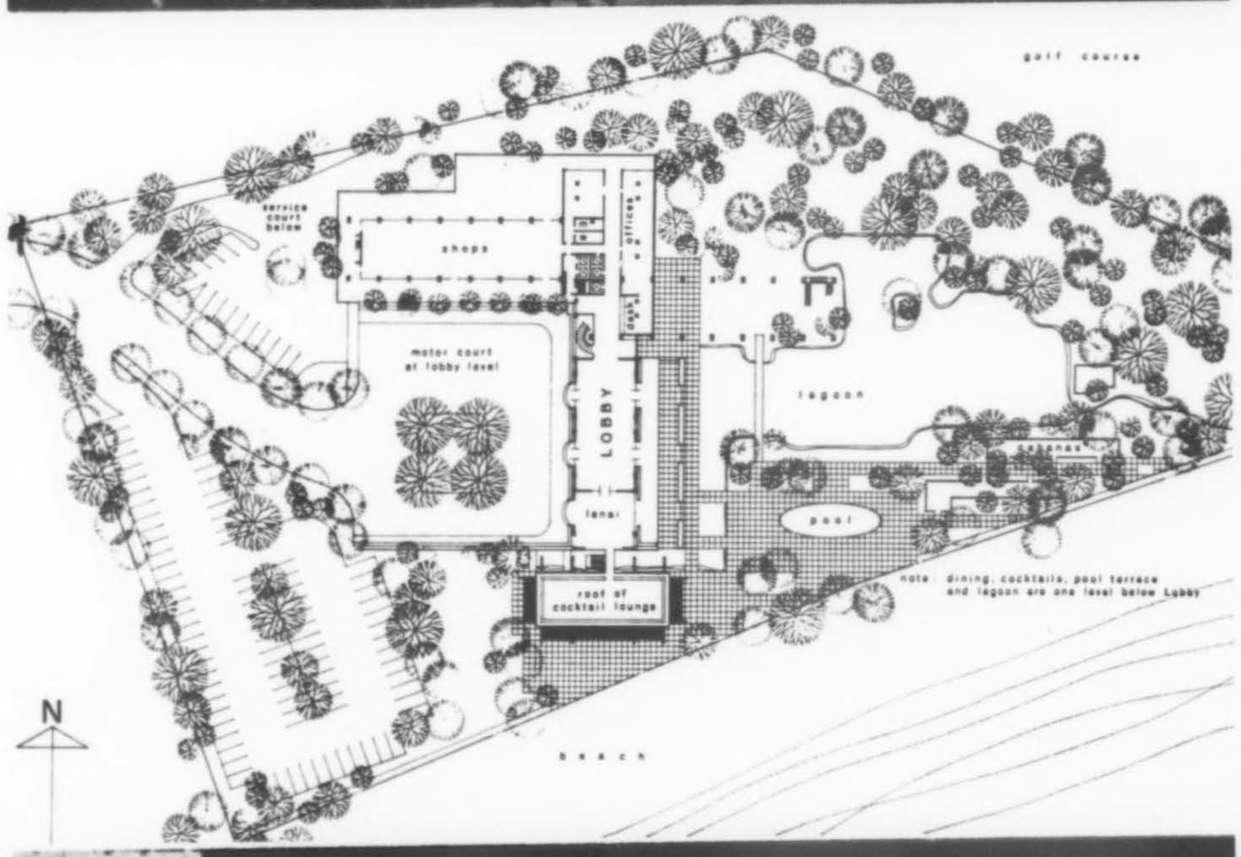
Bath-dressing areas are divided within each guest unit; one area for the lady's make-up; one for the man's shaving and dressing needs. The man's dressing area also doubles as a bar area, when required.

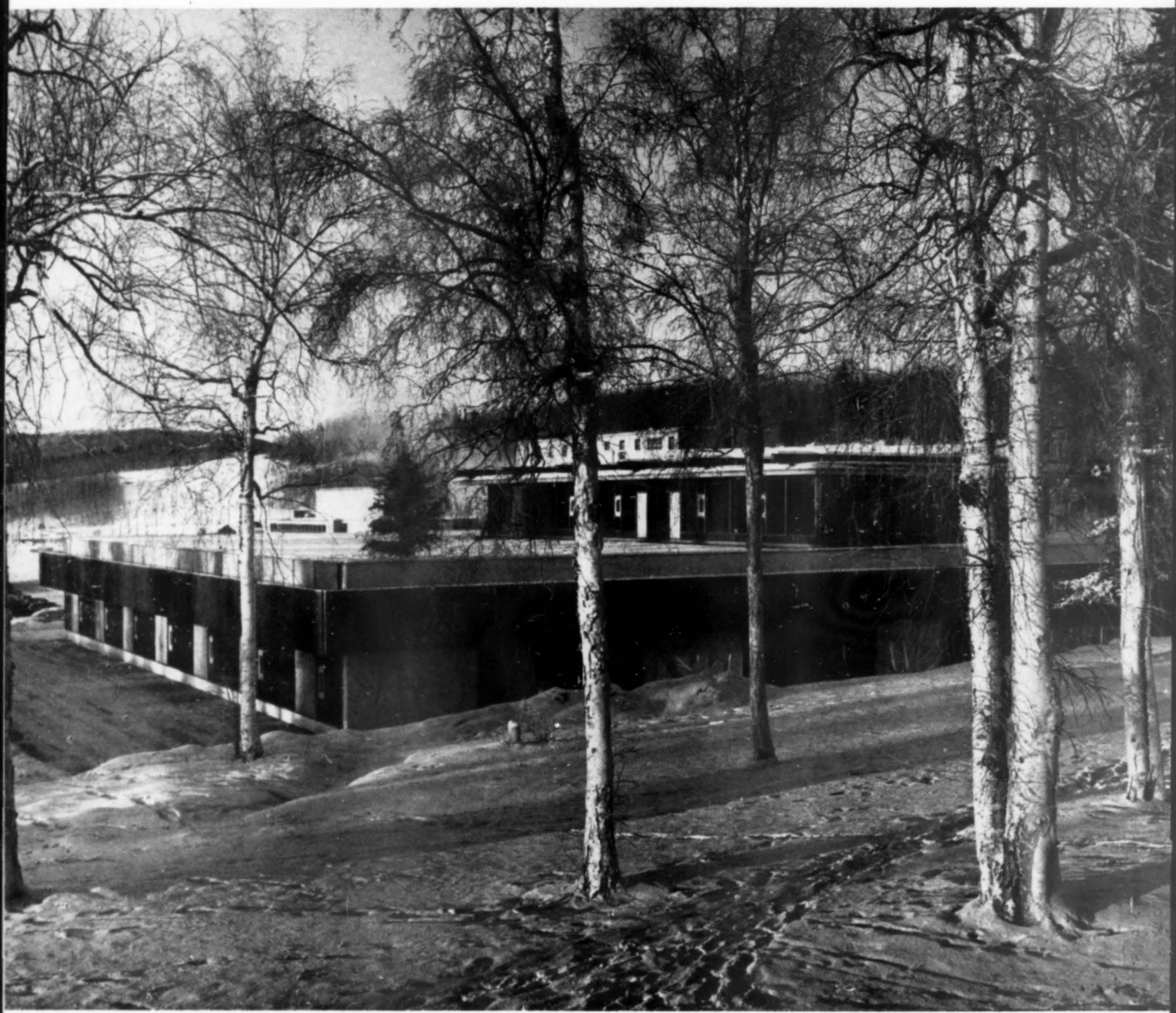
The air-conditioning system (Jaros, Baum & Bolles: mechanical-electrical engineers) automatically turns off in areas where the sliding doors are opened. Therefore the beautiful Hawaiian atmosphere and open-air living is retained while providing a means for controlling humidity and temperature during warm or wet weather. ■

Balconies in Bougainvillae






golf course
service court below
shops
offices
motor court at lobby level
LOBBY
lagoon
lanai
pool
roof of cocktail lounge
note : dining, cocktails, pool terrace and lagoon are one level below Lobby
N
beach



DINING IN THE FAR NORTH

University Commons
University of Alaska
College, Alaska

THE ARRIVAL of summer—short though it may be—is a much-heralded event in the far North. Crittenden & Associates have arranged the new University Commons so that the students at the University of Alaska can luxuriate in the sun. Both on the roof of the lower floor adjacent to the penthouse lounge and on the south terrace off the dining area, a fine view can be enjoyed across the Tanana Valley to Mt. McKinley. Temperatures in the summer in the Fairbanks area at times reach 80° and 90° and this is then a delightful place for lounging, reading and snacks.

Placed on a sloping site near the main entrance to the University of Alaska campus, the new University Commons is designed to serve as a focus of a men's dormitory grouping of three units. This is in accord with the relatively new master plan prepared by San Francisco consultants Mario Ciampi, Don Knorr and Larry Lackey.

In deference to the Fairbanks location with regard to weather, service and limited trained help, all equipment for the kitchen-dining facility has been carefully selected with regard to construction and simplicity of operation. Food service design was under the auspices of Flambert & Flambert of San Francisco. Service is provided for a thousand students with self-service at breakfast and lunch, waiter service at dinner. The kitchen is supplied from a central warehouse and processing center-bakery so that only minimal storage and refrigeration units are incorporated here.

Exterior walls on the main floor are generally of concrete panels (over steel frame) which carry incised decoration by Danny Pierce, Seattle, at that time artist-in-residence at the University. Exposed trim is redwood throughout.

The University Commons was first ready for use in September, 1963. ■

EDWIN CRITTENDEN & ASSOCIATES
Architects

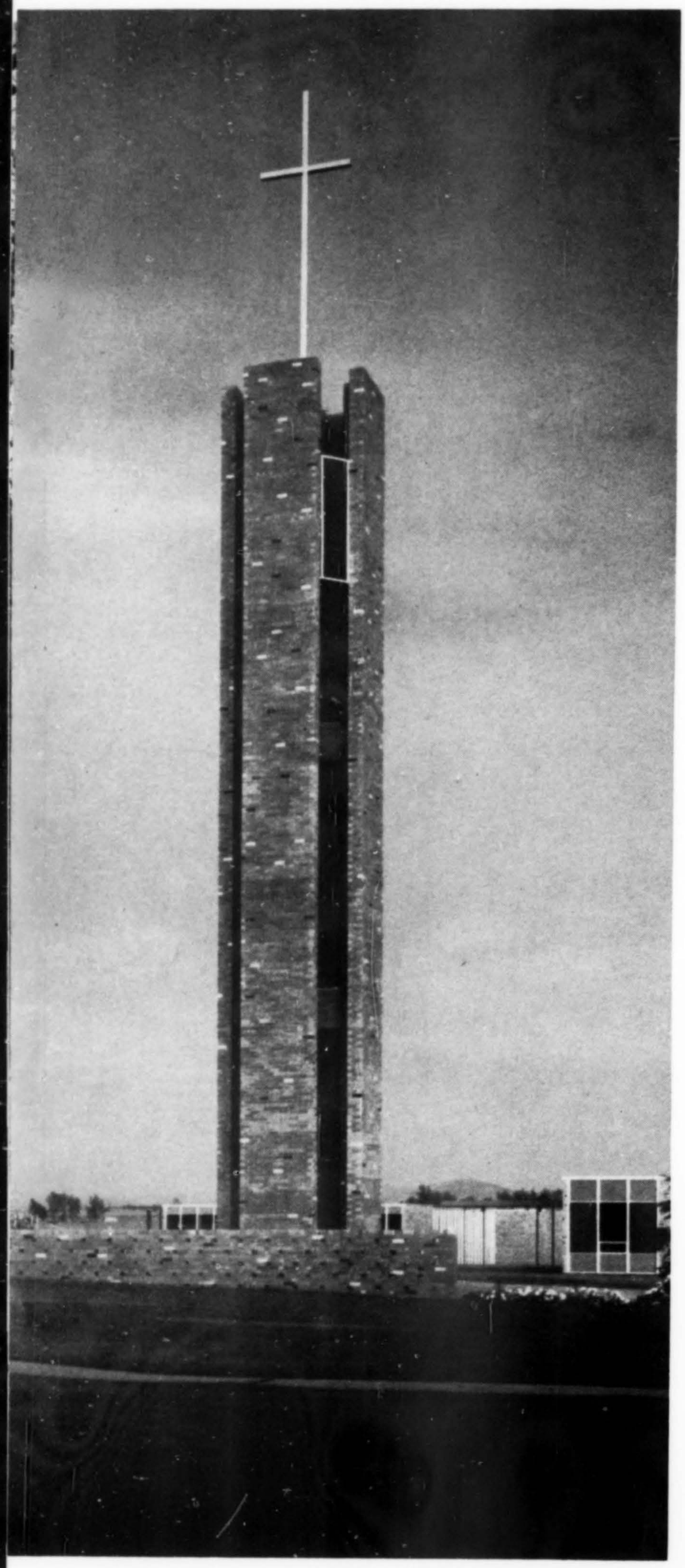
PAUL B. CREWS/Mechanical

ROBERT N. HOFFMAN/Electrical

ALCAN PACIFIC CO.
General Contractor

Harry Groom photos except as noted

JY Studio



PROVIDENCE TOWER:
campus focal point

COLLEGE of GREAT FALLS
Montana

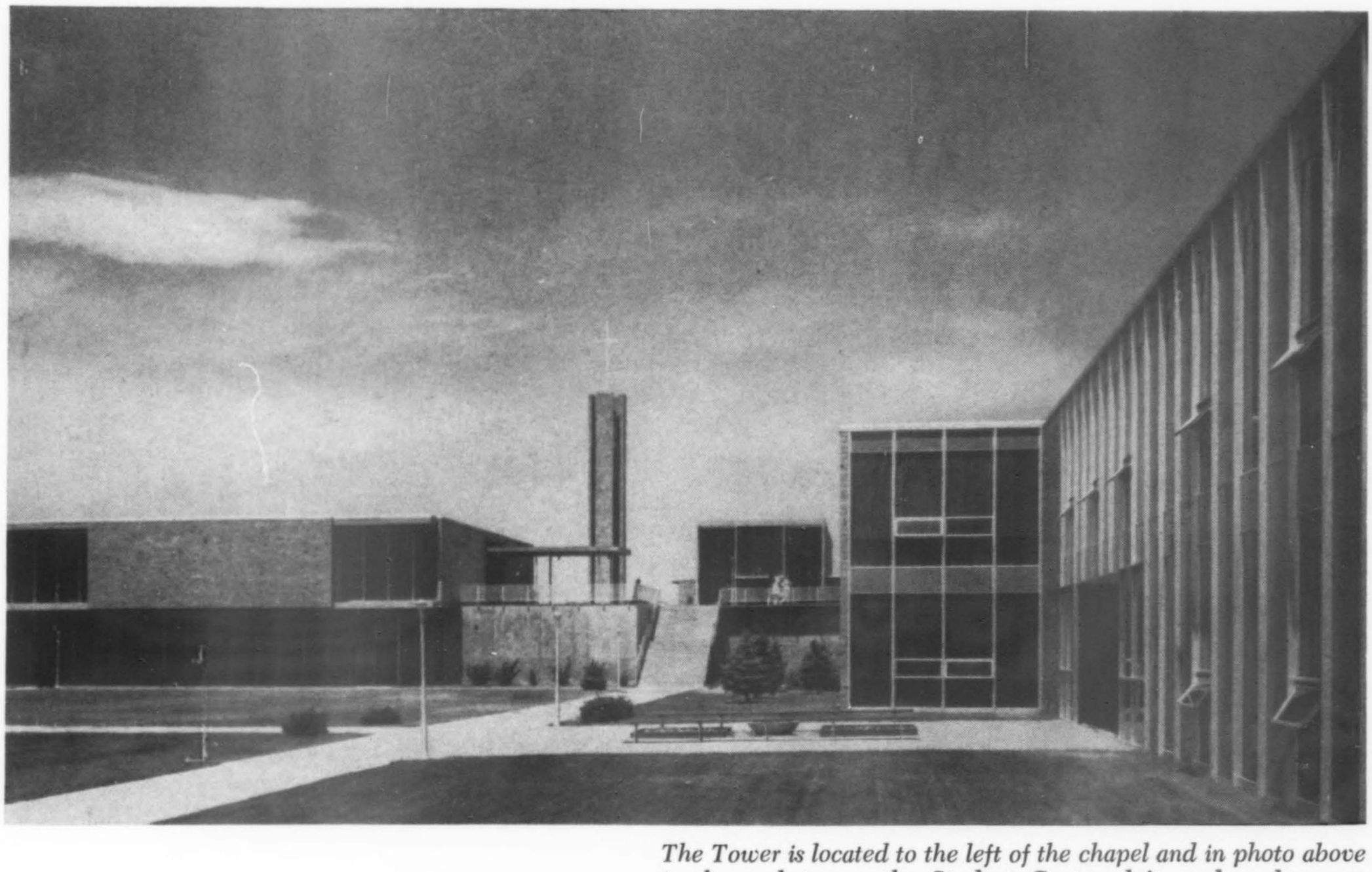
PAGE-WERNER & ASSOCIATES
Architects

Sletten Construction Company
Contractor

A BELL TOWER, rising 80 feet high, and the focal point of the campus of the College of Great Falls, is a commemorative gift to the school. It marks the centennial of the arrival of the first members of the Sisters of Charity of Providence (who staff the college) in Montana in 1864, and was a gift of the General Council of the order in Montreal.

The tower, reinforced with steel and concrete, is of brick construction, harmonizing with existing campus buildings. Four T-shaped columns form the main body of the shaft. It is, in effect, eight-sided. Columns rise 60-feet above ground. At the top is placed a 20-foot aluminum cross, four feet across. The cross, lighted at night, is visible from all directions.

The architects' plan for the tower was a modest effort, simple and quite transparent in form. The transparency of the tower is evident, day or night, as you move through an arc

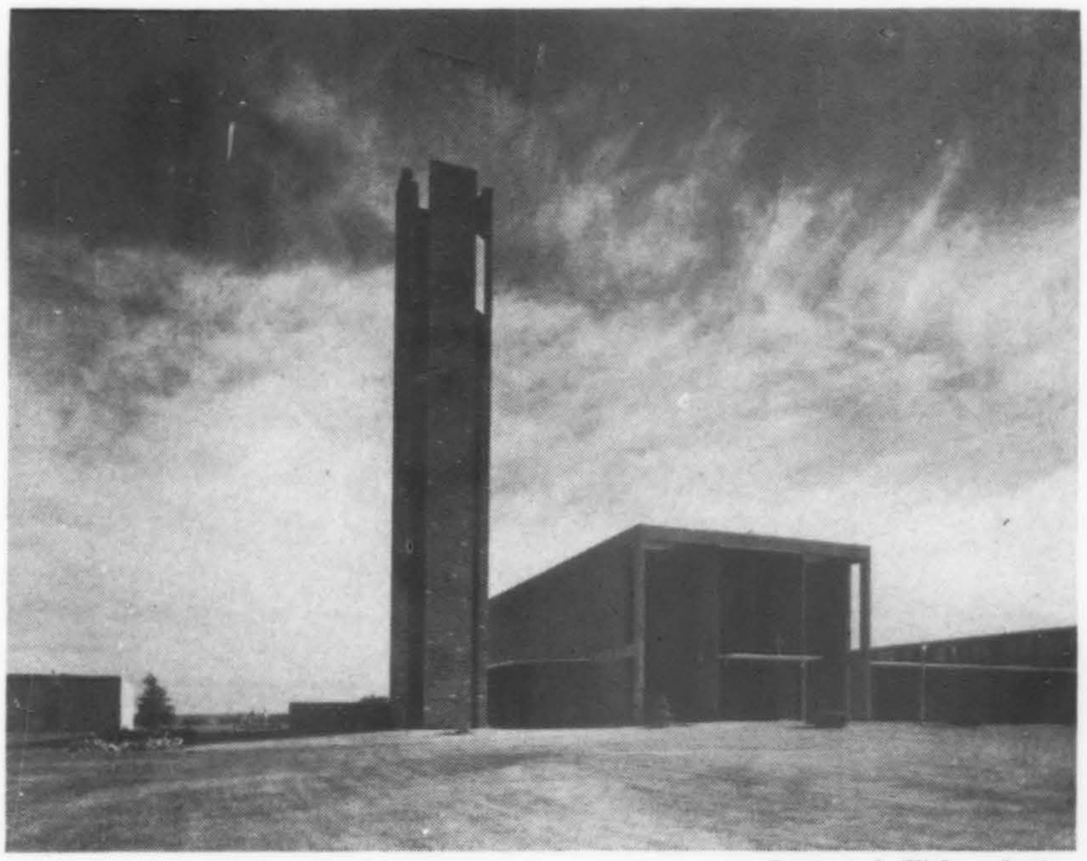


The Tower is located to the left of the chapel and in photo above is shown between the Student Center, left, and a classroom building to the right.

of 90°. Slits of daylight are present in perhaps 120° of the 360°. Subtle night lighting in the tower base allows the tower to serve as a beacon to travelers on the busy arterial two blocks away.

The tower stands in a ten foot square, completely surrounded at the base by a plaza, 35 feet wide by 95 feet long. Rectangles of concrete finished in "brushed broom" form the plaza, bordered in redwood. On the south panel of the tower, the prayer of the Sisters of Charity of Providence is outlined in one and one-half inch high aluminum letters.

At the top of the towers a perforated metal grill houses the six speakers of the carillon bells. These bells (called the "Voice of Providence") are propelled by six thirty-watt drivers which send melodies surging over the campus three times a day with a repertory ranging from The Angelus to the school song; from hymns to the national athem. ■



Ingvard Eide photos

ARIZONA RANCH HOUSES ▪ *yesterday & today*

by MARY LEONHARD
The Arizona Republic

THE RANCH-STYLE home is unquestionably an American favorite today. Just a century ago its forerunners were lonely fortresses, located, designed and maintained against the ever-present threat of Indian marauders.

Arizona, where the weather is kindly to the suitable kind of building materials, has today a rare record of the development of ranch-style architecture. It is the ranch homes themselves, today still the centers of their own small, isolated empires.

This record shows that Arizona pioneers, when the rest of the nation was turning to milled and machine-made products for homebuilding, were making do with what nature had placed at hand.

They molded adobe mud into foot-thick bricks, dried in the Southwest's hot sunlight, then set into often-windowless walls. What windows there were went into courtyards and only single doors gave access to the open range.

Mud was made into roofs, too, plastered over slender poles from native trees. Wood, of course, was scarce on the desert, and it was important that the homes be proof against flaming arrows.

Mud was used for chinking by those ranchers who took rounded boulders from the desert washes to pile up in what they called rubble-work walls. The mud has long ago been replaced by cement in those early homes still standing.

As prosperity came and the Indian threat lessened, the ranch houses grew. Land was stupendously plentiful and trained builders were scarce. So the houses rambled along rather than growing up to second stories. With prosperity, too, mud or metal roofs gave way to one of the best of roofing materials—the Spanish tile.

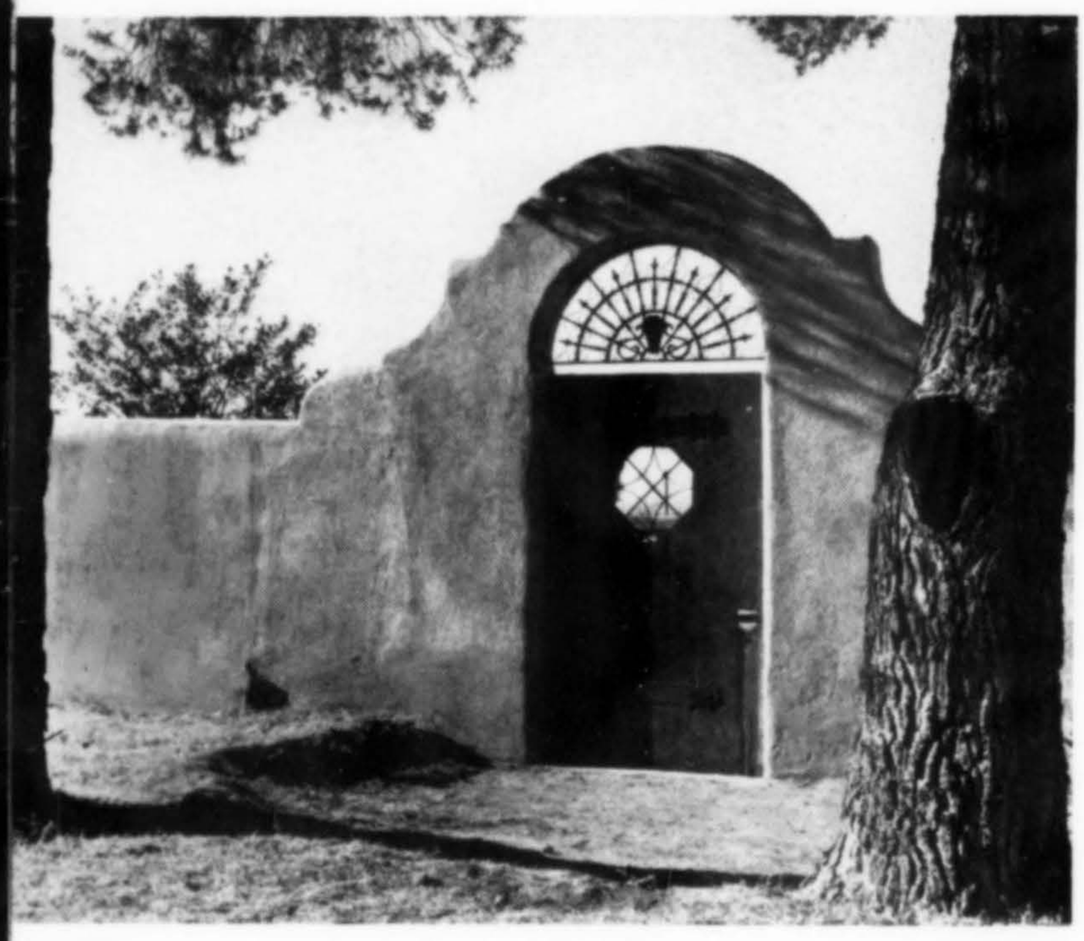
As soon as they could decently afford it, and transportation of processed materials was made possible by roads and railroads, the ranchers chose to imitate the Eastern homebuilders.

Ranch homes built in the second quarter of this century often look like transplants from the tree-shaded streets of New England.

And then the Westerners noticed that the early home style they had developed was, itself, being imitated across the nation. Aside from its homey, casual appearance, and its simplicity of construction, the ranch style is charmingly easy to maintain, both inside and out.

Now the style has gone full circle. Updated ranch-style homes (of concrete block and burnt adobe) are rising row on row in booming population centers throughout Arizona. ■

SPANISH GATE—*Testifying to Spanish origins of the PM Ranch are the components of this gate to its home grounds. Wrought iron ornamental work, heavy wooden door and stuccoed-over adobe wall have survived many years of use.*

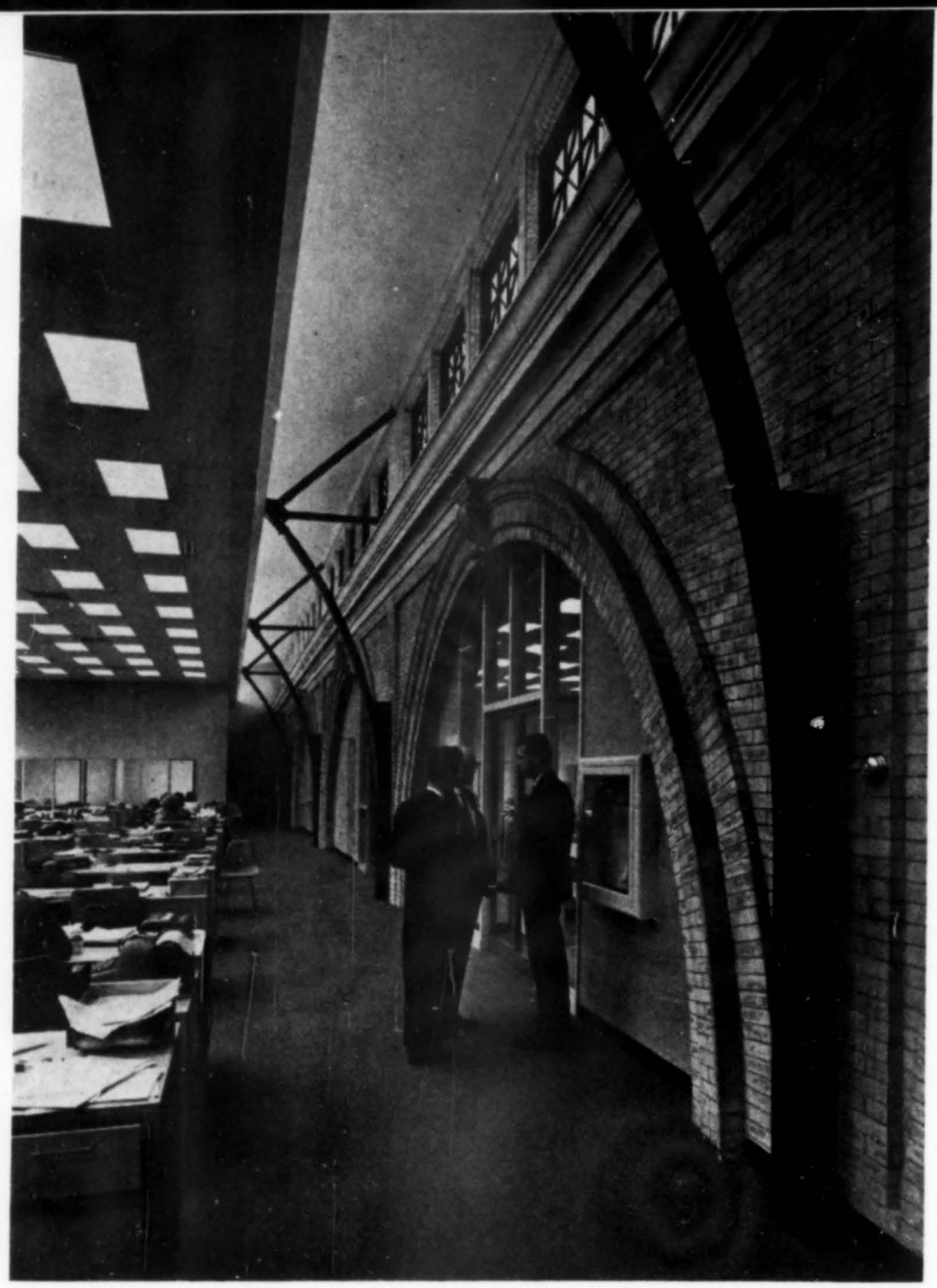


REVENTAN RANCH—*A working-ranch home of Mr. and Mrs. Henry Middleton, at Amado, looks as modern as today. Only adobe brick patio now testifies to fact home was first built in early 1800s. Now featuring cedar shake roof, wide window expanses and board and batten trim, the adobe brick building fell to an Apache attack in 1864.*

SIERRA BONITA — *This ranchhouse built by early day Arizona cattleman Henry C. Hooker in 1872, near the present town of Willcox, is isolated and tranquil today. Arizona's oldest ranch home in single-family ownership, the house was once a fireproof fortress of necessity. Walls are adobe; roof was once mud over wood; a single door faced the outside. Gunports in the parapets and courtyard well, once the family's water supply, are now covered over.*

RANCHO DEL RIO—*Located in the lush, irrigated valley of the San Pedro River near Hereford, this ranch home of Mr. and Mrs. Arthur Thompson reflects a period of imitating Eastern residences. This is a farming ranch, and the irrigation system has been extended to include landscaped grounds.*

PM RANCH—*Its full name is El Rancho de los Pajaros Migradores (Ranch of the Migratory Birds), and its water expanses, like this courtyard lily pond, are important to its landscape design. Now owned by Mr. and Mrs. Chester Crebbs, who built the present hacienda 30 years ago, the ranch, situated in Tubac, dates back to a Spanish land grant of 1799.*



Design/West . . .

Walls: Reception room: teak paneling (14-ft. high)

Accounting room: buff-yellow brick arches, with burlap over plasterboard as in-fill between arches.

Board room: hemlock flush paneling

Executive offices: grasscloth over plasterboard

Floors: Carpet in basic mustard colors

Windows: Bronze-tinted glass to reduce glare

Deck: Steel beams, with concrete slab over metal decking

Ceilings: A floating acoustical ceiling with recessed lighting in the main stenographic room. Executive offices have luminous ceilings in various patterns.

Furnishings: Western Contract Furnishers

HEADQUARTERS
CALIFORNIA CANNERS & GROWERS

Ferry Building, San Francisco

before

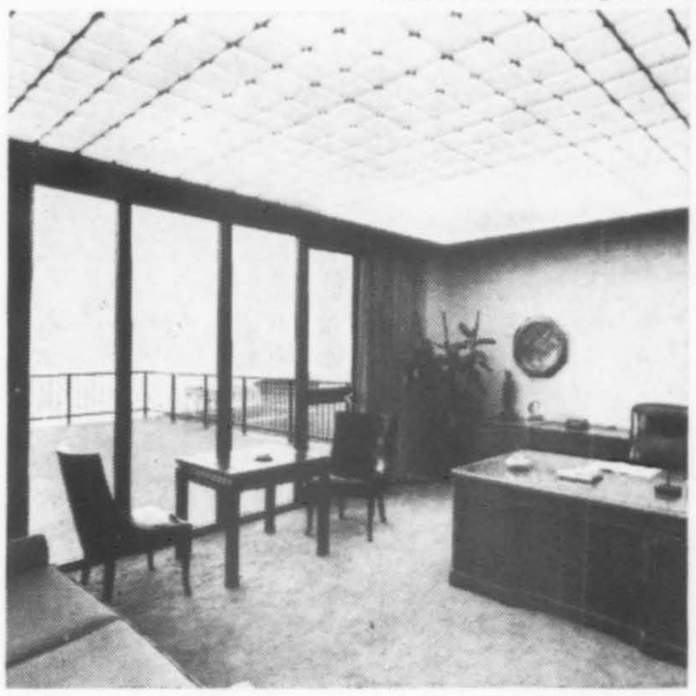
SAN FRANCISCO's venerable Ferry Building has been remodeled (the south wing) to provide 27,000 square feet of office space for California Canners and Growers. A cooperative of five canning companies, the organization had long wanted to consolidate its headquarters operations for central administration and accounting. The newly-remodeled quarters provide lively space with an incomparable view and location on the city's waterfront.

In addition, the space itself had much to recommend it architecturally: fine brick arches (some of which had been covered with sheet metal), 14-foot ceilings in most areas, an abundance of light from clerestories and skylight, and large, unbroken floor area. The architects wisely capitalized on all of these elements in the remodeling. The brick was cleaned and restored and all of the colors were keyed to its muted buff-yellow. They also retained the continuity of space emphasizing the view over the water and towards Treasure Island and the Bay Bridge. The existing gabled roof along the east elevation was flattened, and a broad deck (28'x132') was added. The executive offices and employees' lounge and cafeteria were placed adjacent to the deck with doors and floor-to-ceiling windows opening onto it.

The floating ceiling over the main office area serves several purposes: it creates plenum space above; it solves the problem of heat from the existing roof, yet preserves the light from the clerestories; and it acts as a horizontal platform for lighting fixtures.

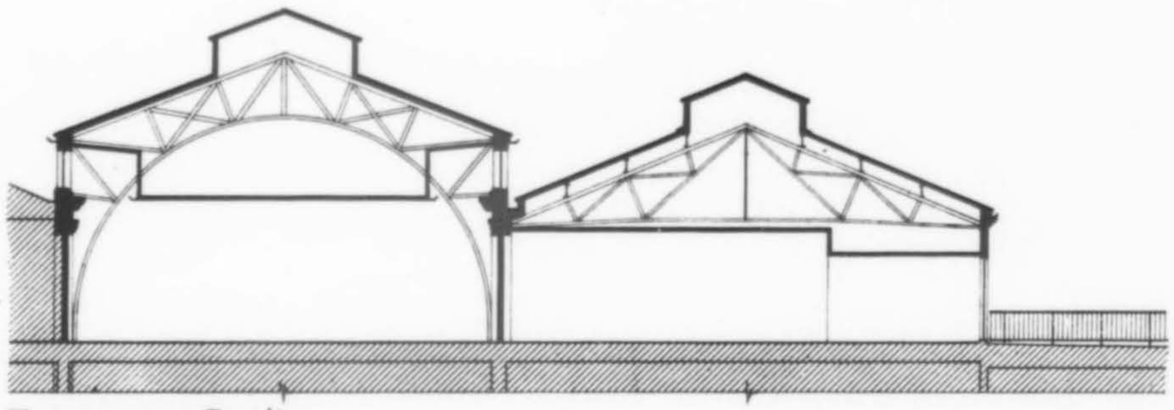
Portions of the existing trusses were retained, and painted a black-green to emphasize the structure. (Consultants included Gilbert, Forsberg, Diekmann & Schmidt for structure; Gayner Engineers for mechanical and electrical work.) ■

Karl H. Riek photos



Architects:

WURSTER, BERNARDI & EMMONS



Transverse Section

ARCHBISHOP ALEMANY LIBRARY

Dominican College of San Rafael

SCHUBART & FRIEDMAN • Architects

BAYHA, WEIR & FINATO Mechanical — Electrical
A. V. SAPH, JR. Structural Engineer
CAHILL BROTHERS General Contractor

DIGNIFIED LIBRARY IN A VICTORIAN GARDEN

THE NEW LIBRARY for the Dominican College of San Rafael is named for the first Archbishop of San Francisco, Joseph Alemany, the historical personage. Architecturally, the Alemany Library honors San Francisco's building tradition: Stucco and dark-stained wood articulate the building sheath. Carefully composed elevations read well from all sides. The building is lovingly placed in the old Victorian garden, belying its recent completion date (April '63). The hallmarks of the Bay Region style are here but there is no sense of straining for stylistic effect. Resulting is a building of quiet dignity with the elegance of understatement. All in all, expressive of the long Dominican tradition of humanistic education.

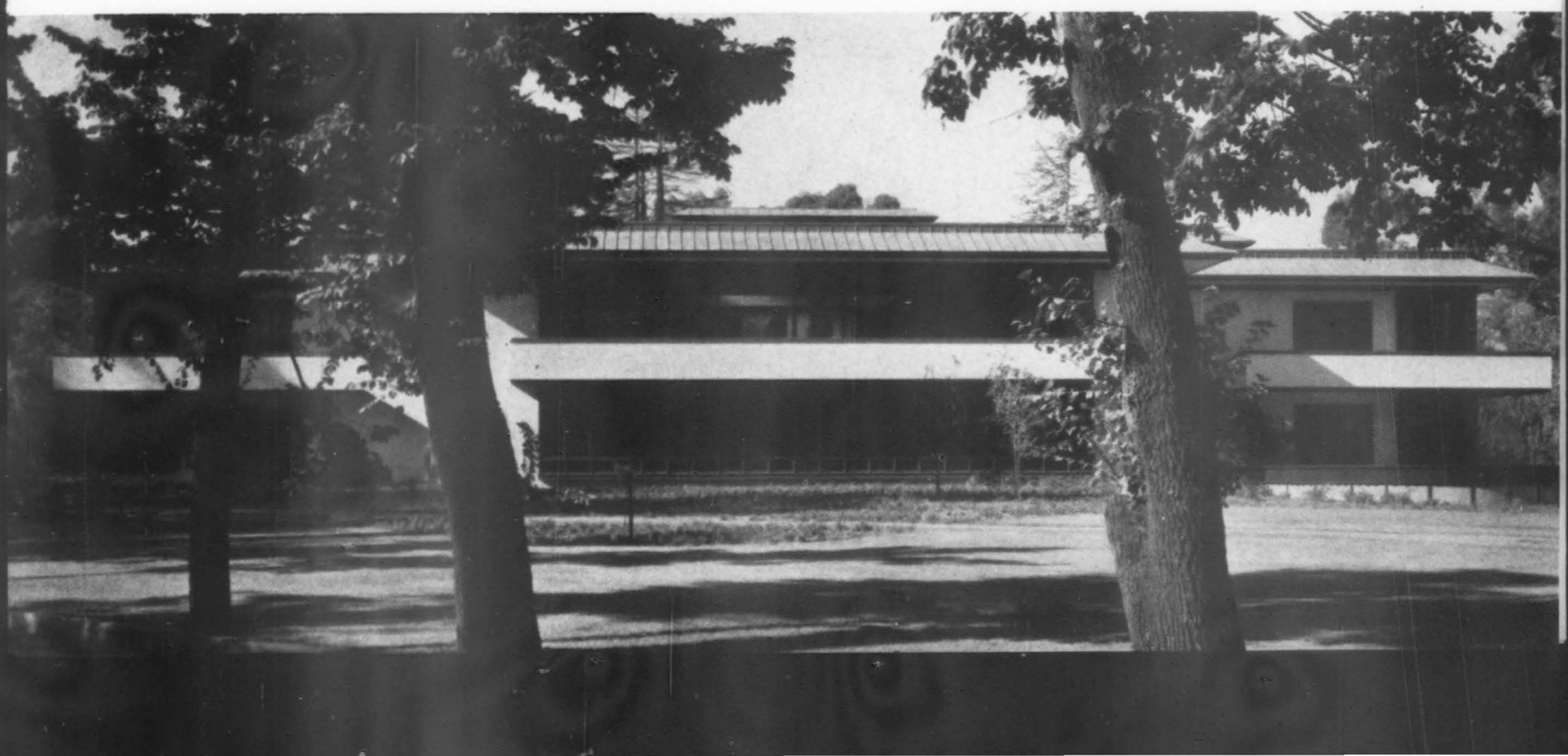
Dominican College is a liberal arts college for women having a program of teacher preparation and a coeducational graduate division; current enrollment of 750 is expected to eventually reach 1000. The site for the new library is slightly removed from the core of campus activity, but it is in a direct line between residential halls and academic buildings, an important consideration on a largely residential campus.

East and west wings are joined by a spacious lobby. To the east are the public services, fronted by the circulation and reference desks; to the west are administrative, technical and certain specialized functions. In order to create several reading areas of comfortable scale, the stacks were placed in an orderly arrangement along the interior spaces (see inset photo this page), leaving the periphery free for tables and carrels near the windows. This allows browsers to move about the shelves from interior aisles without disturbing readers and simplifies the finding of books. For those wishing a more relaxed mode of study, a corner nook with fireplace and easy chairs provides winter comfort, and in fine weather an outdoor reading garden is an attraction.

The lobby sets the prevailing idiom of the buildings: ceilings of acoustic tile in the same off-white hue as the "California stucco" walls; light mocha rubber tile flooring matching the metal stacks; dark wood paneling for lobby walls, for column facings, and on the 32-inch deep window sills which conceal the heating convectors.

Most areas benefit from the almost continuous window spaces. Glazed with gray glare-reducing glass, these are wood framed and are shaded with an overhanging copper roof and a series of balconies in stucco and the brown-stained wood trim.

Recognition came from the 1964 Library Building Awards Program when the Dominican Library, as one of seven college libraries, was cited for architectural excellence. Future generations of students are sure to recognize their library for its increasingly rich book collection upon which to draw in an atmosphere conducive to growth of mind and spirit. ■



Structure: Concrete exterior walls, load-bearing and earthquake bracing.

Structural steel frame; metal deck second floor and roof, concrete-filled.

Heating: Hot-water; zoned pumps to convectors and to radiant heating in main floor slab.

Lighting: Fluorescent strip with specially-designed suspension systems and vinyl pans.

All lighting on low-voltage control at circulation desk.

Building Cost: (Including built-in equipment, landscaping, partial cost of central boiler plant): $1,152,600.

Gross area: 51,000 sq. ft. ($22.60/sq. ft.).

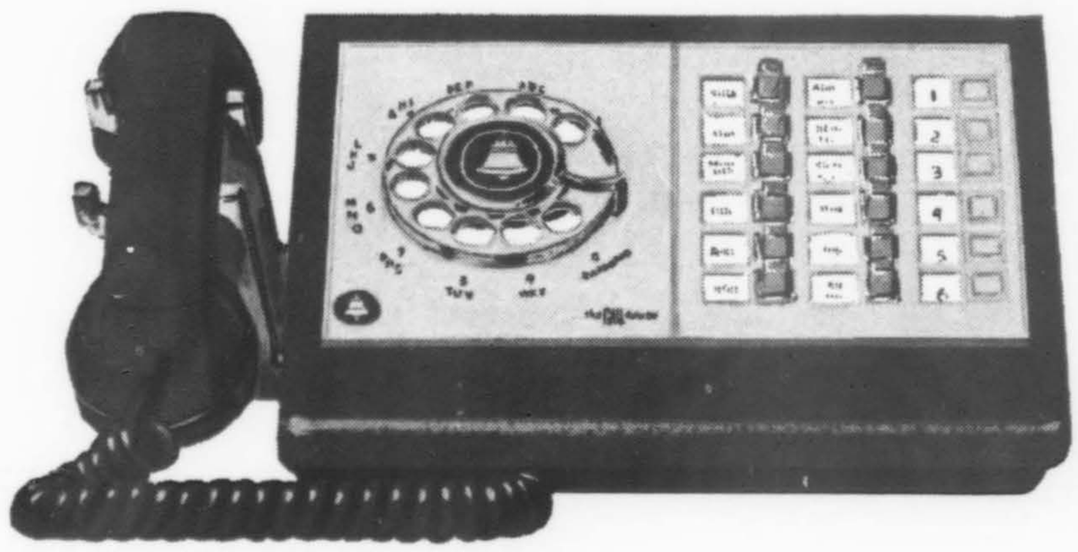
Furniture & Equipment: $100,000
Shelving: Metal, W. R. Ames.
Card catalog: Bro-Dart.

Capacity: 358 (people).
100,000 (books).

Located in the lobby are the circulation desk, display cases, and three large exhibit cases for the library's 16th century illuminated manuscripts. The aim of the interior planning was to create an atmosphere both dignified and luminous. To this end, the architects opened up two-story spaces in the lobby and reading areas; these are surrounded with clerestory windows through which daylight filters down to mingle with the ceiling-diffused artificial lighting. The quality of lightsomeness is enhanced by the facade of great windows with their vistas of gardens and the encircling Marin hills.

Desks, auxiliary shelving, tables, carrels, and chairs are finished in Danish oiled walnut (custom-designed by Lee Odabashian). Readers' chairs are upholstered in black and white naugahyde; Thonet lounge chairs are a soft green. As paintings and decorative objects are acquired they will accent the quiet decor.

Pirkle Jones photos



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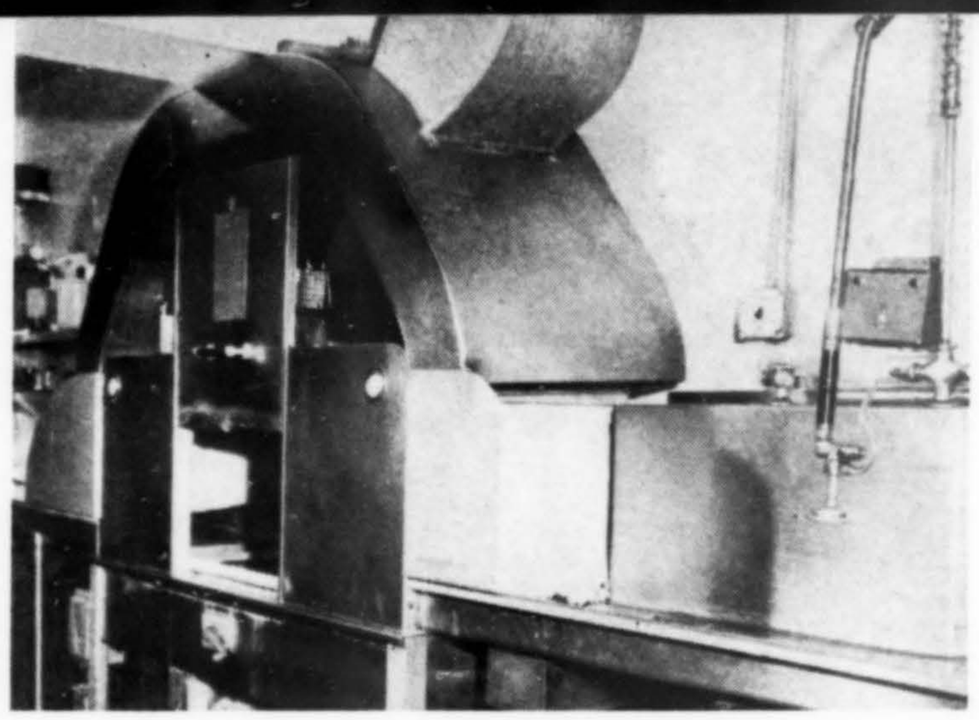
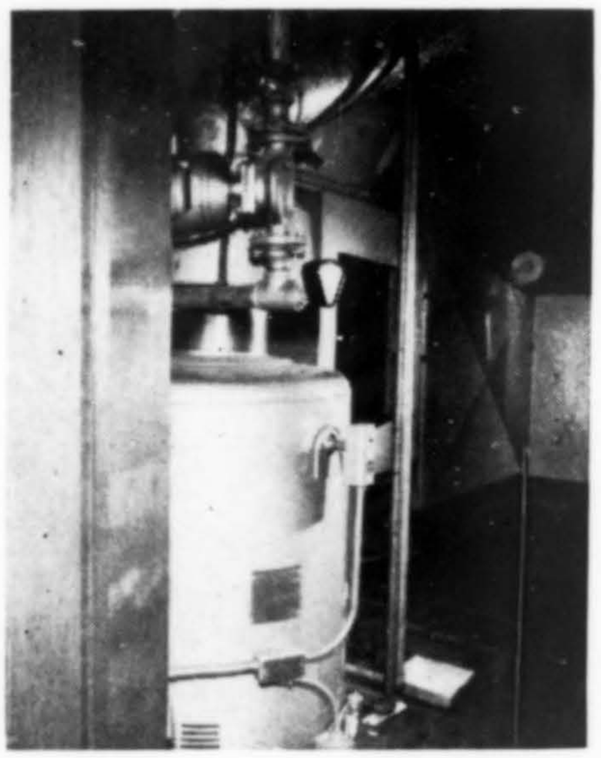
SOLVING BUSINESS PROBLEMS THROUGH COMMUNICATIONS

PRODUCTS IN ACTION/water heating equipment





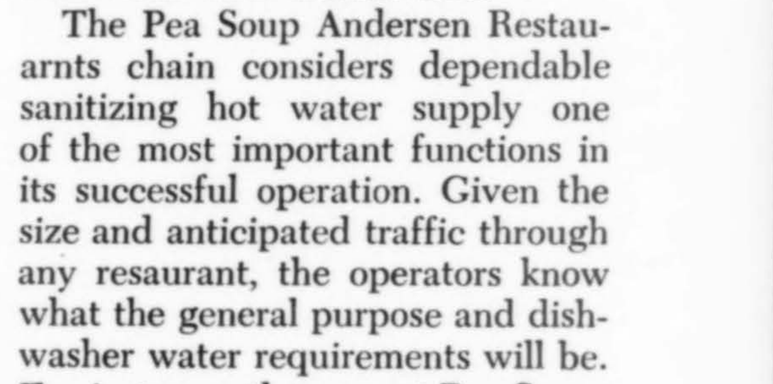
FROM PEA SOUPERY to Polynesia, the architect's reputation as a restaurant designer rests on hot water as much as on the character and appeal of the structure, claims the A. O. Smith Co. (which probably is prejudiced, since the firm manufactures water heating equipment, but they do have a point—Ed.)

They cite Raymond Peck, Seattle architect who has done many of the Barb chain of restaurants, and Kerr & Beggs of Santa Maria, Calif. architect for Andersen's Pea Souperys, as examples who repeat and repeat not only because their designs draw the business but because their mechanical installations are functional and trouble-free.

The Pea Soup Andersen Restauarnts chain considers dependable sanitizing hot water supply one of the most important functions in its successful operation. Given the size and anticipated traffic through any resaurant, the operators know what the general purpose and dishwasher water requirements will be. For instance, the newest Pea Souppery in Santa Maria serves 500 to 750 daily, has a two-temperature system that delivers all of the 140-deg. water needed plus 467 gallons of 180 deg. water per hour at a 40-deg. rise for the dishwasher.

This is accomplished with a gas-fired A. O. Smith model BC420 (420,000 BTU per hour), and a 350-gal. tank operating on a Cer-Temp 80 recovery system which provides 140-deg. water at 288 gph. Implementing this is another Smith commercial water heater with a Booster-Recovery system. Through aquastats this BC200 takes 140-deg. water from the storage tank and boosts it to a 180-deg. sanitizing rinse at 467 gph.

The Polynesia in Seattle (a Barb restaurant) serves up to 600 nightly, runs the dishwasher approximately five hours each day. The same gas-fired system as used in the Pea Soup restaurants is installed at the Polynesia in a minimum of space. An 80-gal. tank operates on the Modified Shure-Temp Recovery System providing instant availability of 180-deg. sanitizing rinse water at point of use.



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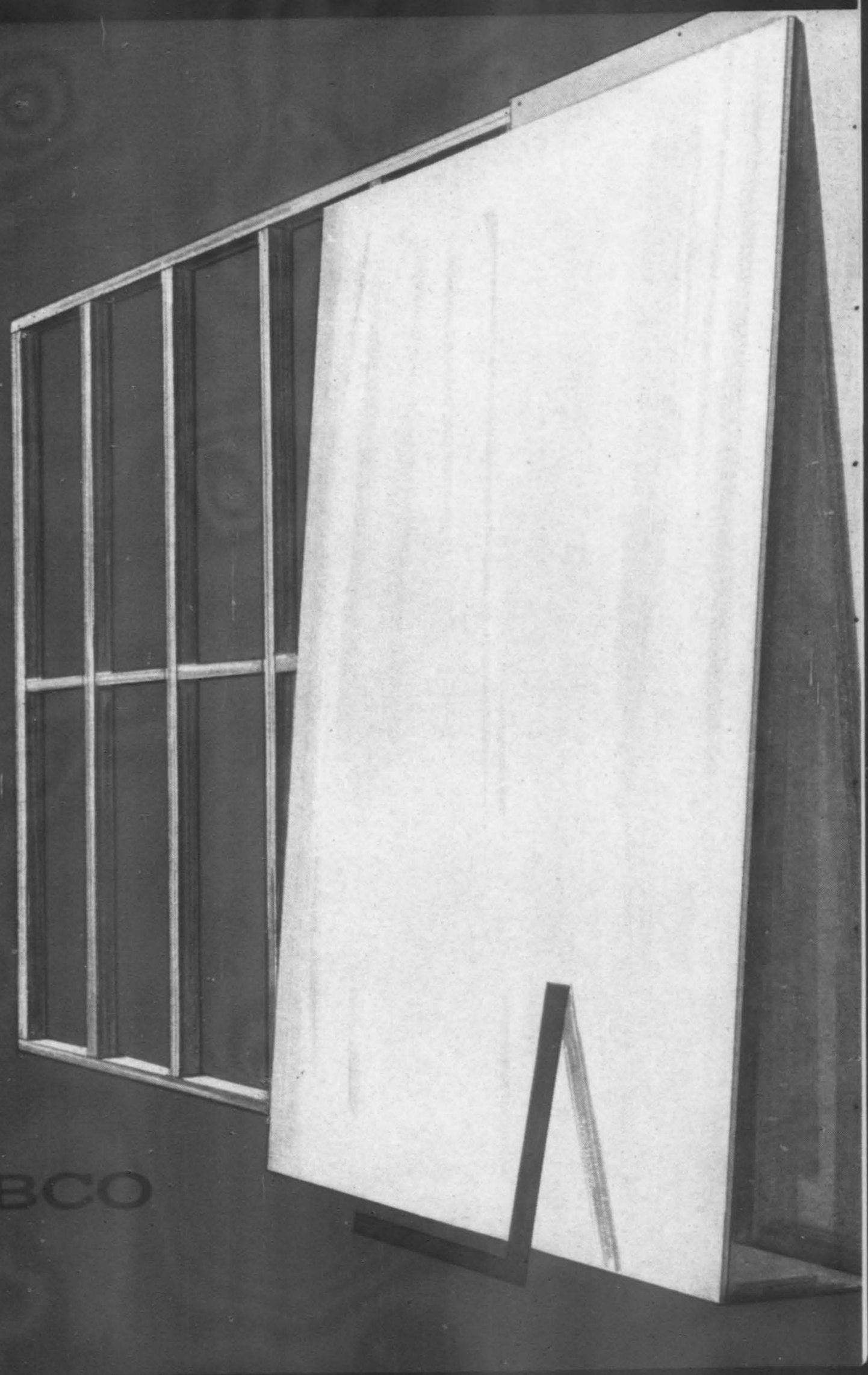
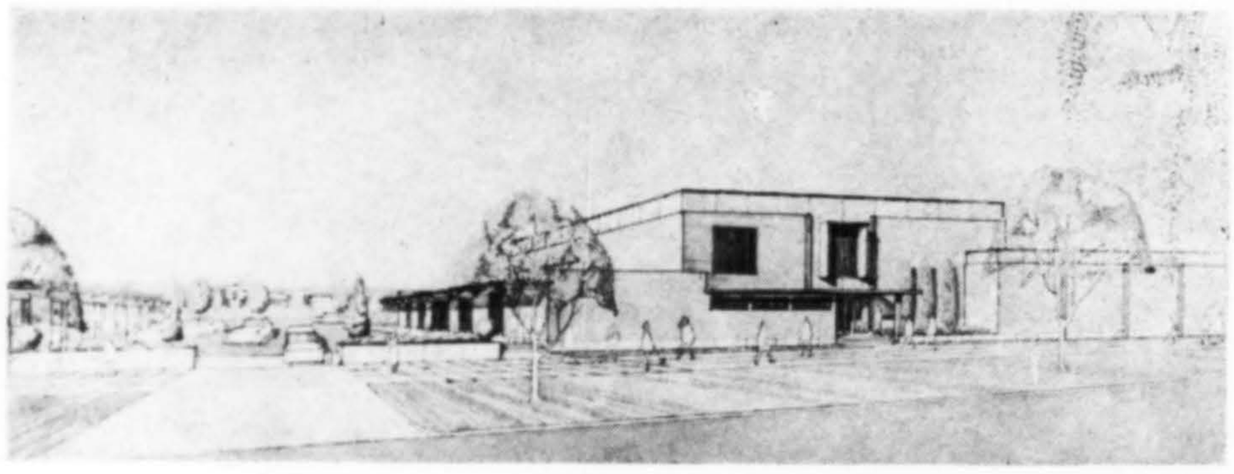


PABCO



BIG BRICK

A Method/Materials Concept

THE NEW Yakima Masonic Temple, now under construction in Yakima, Washington has been deliberately designed to fully utilize the multiple advantages of the new "Giant Brick" introduced some 18 months ago by Clayburn-Harbison.

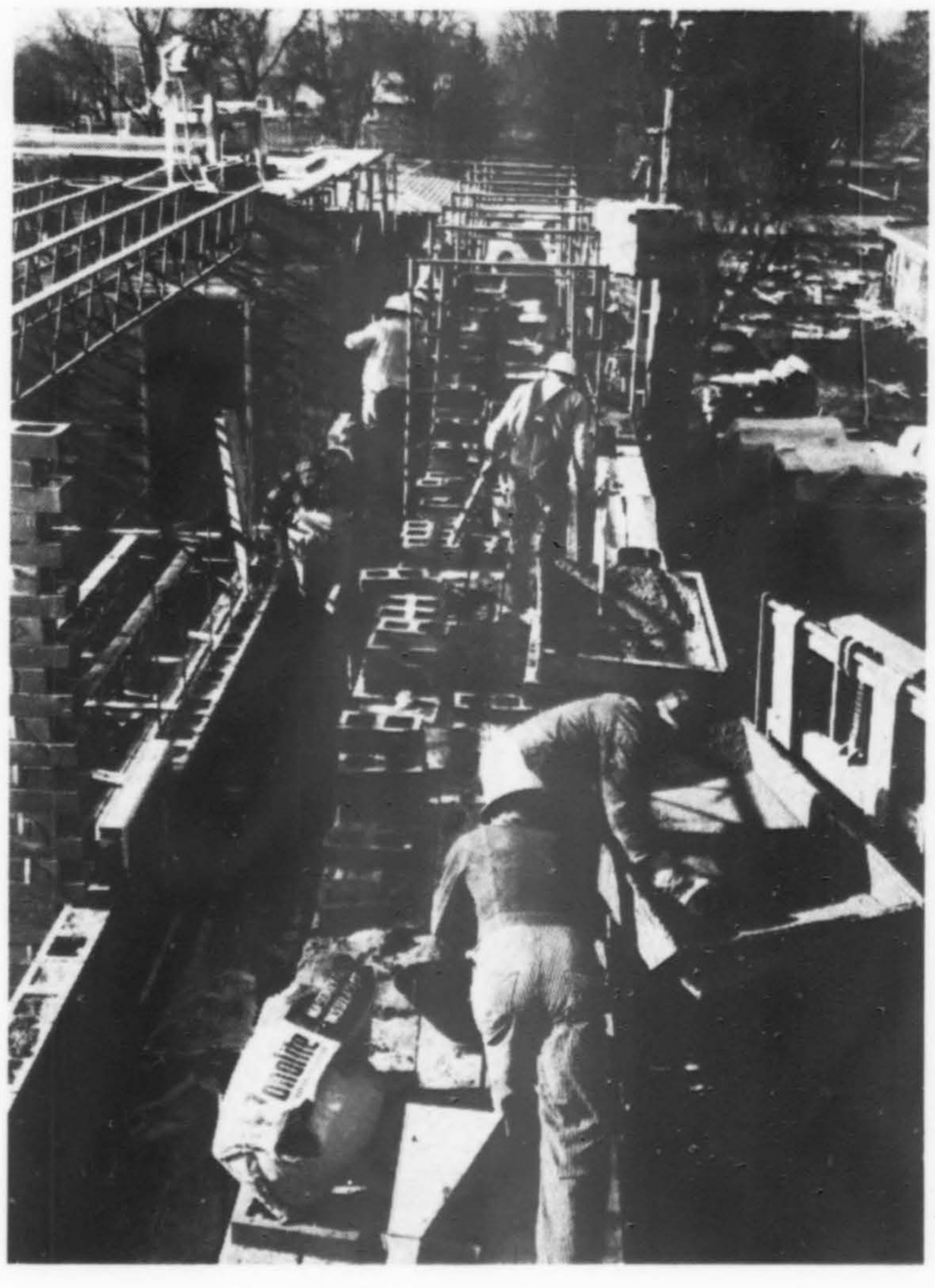
To serve the requirements of his client, the architect has incorporated Giant Brick exterior and interior walls to produce load-bearing walls which retain the maintenance-free warmth of exposed brick.

More than two years ago, Clayburn-Harbison designed the Giant Brick in the belief that brick could no longer afford the luxury of being simply a decorative material. The theory was simply that if brick was to survive as a construction material it must be a load-bearing unit which would be indigenous to the structure; it must be capable of readily receiving reinforcing steel, grout, and insulation, possess the ability to incorporate hidden conduit in plumbing, be proportioned properly for appearance, and ease of handling; most important of all, be priced such that "in the wall" costs would compete favorably with other structural systems.

A tremendous amount of research, engineering, and testing was required, but today five plants in the west and one in the east are producing Giant types of brick.

The Masonic Temple in Yakima is an excellent example of fully utilizing the many characteristics of this material. Initially, its selection was based on a requirement for maintenance-free interior and exterior walls at the lowest possible cost. The big brick were used to create the structure by reinforcing in accordance with the requirements of hollow reinforced masonry, and were then filled with Zonolite water repellant masonry fill, resulting in a "U" factor of 0.280. The brick walls received the glued-laminated beams, and steel joists, which support the roof structure. Precise coordination between the masonry contractor M. D. Brown, and the general contractor W. M. Yeaman, Yakima, was essential owing to the large percentage of the total structure which is masonry.

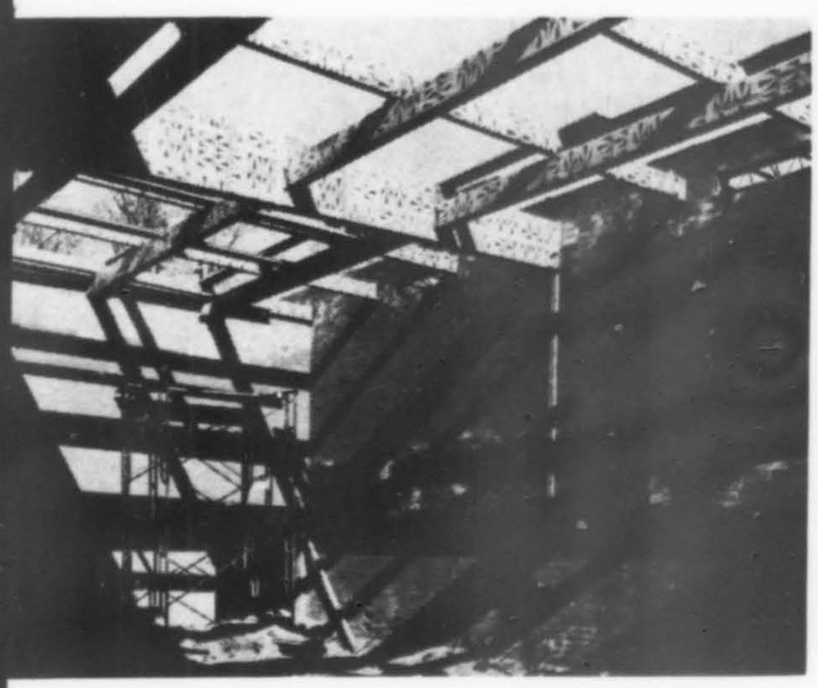
The project consists of the main unit which has a large lobby, 50x80, flanked on the left by business offices, committee and game rooms and on the right by two lodge rooms; the small one seating 150 and the large, 300.

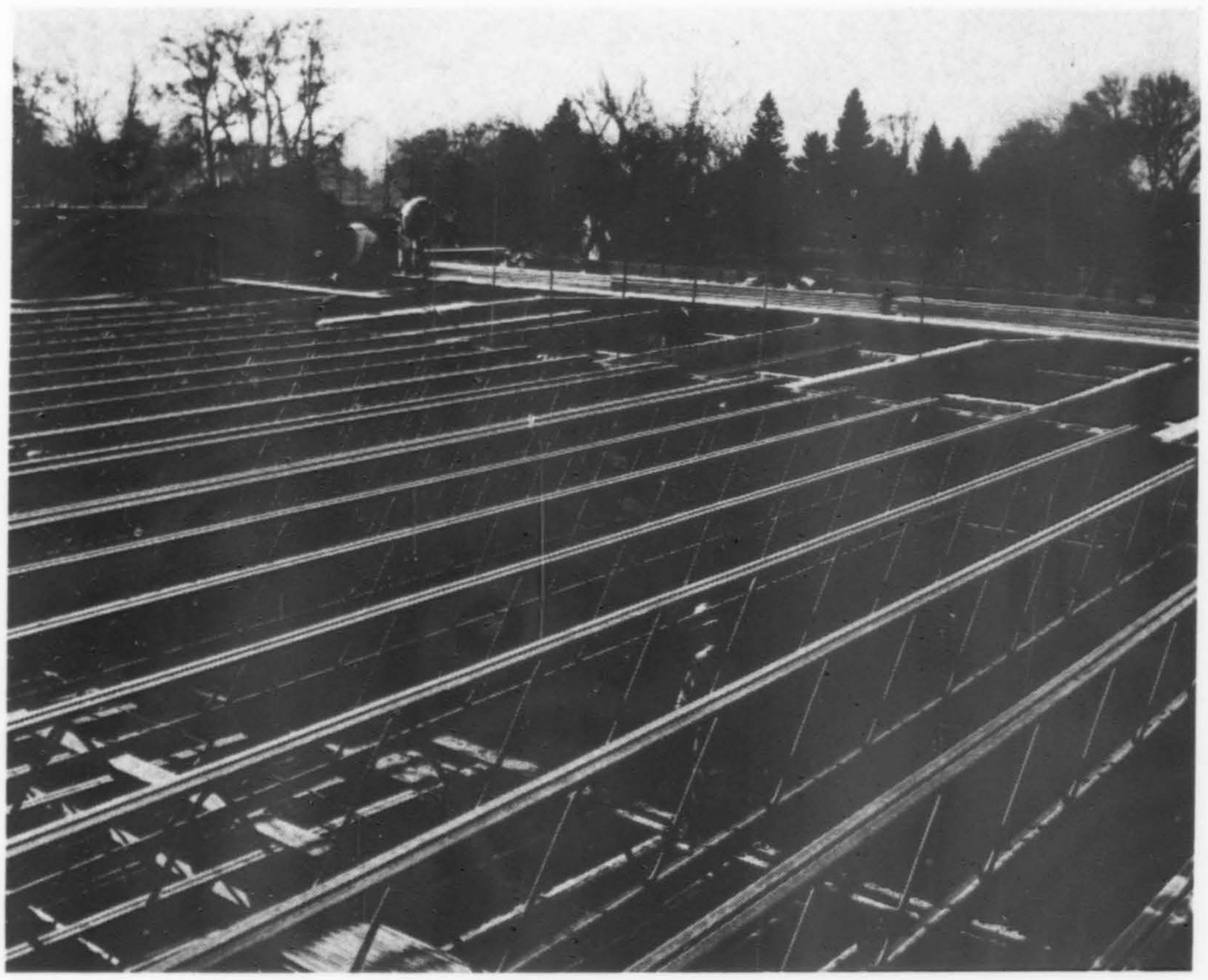


Forest & Whitmire photos

Exterior brick walls are filled with Vermiculite as an insulation, a process that has become highly acceptable since the introduction of moisture - resistant Zonolite. Wood truss areas are by Timber Structures, Inc.; steel trusses spanning the main hall are by Macomber, Inc.

GOCHNOUR & MARBLE, Architects





When to Paint Galvanized Steel

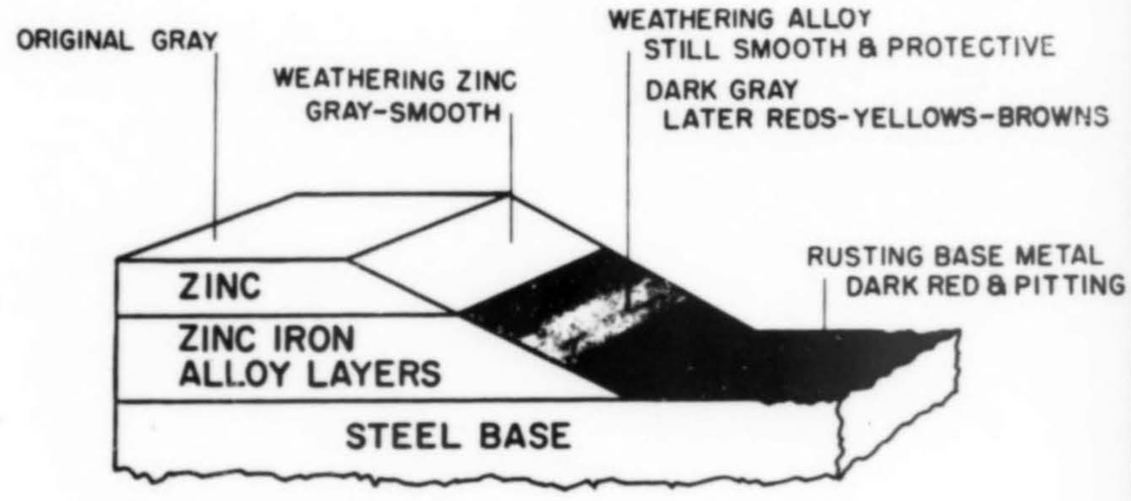
(Based on material supplied by American Zinc Institute, New York City)

Little doubt now exists that much maintenance painting of galvanized steel is done sooner than necessary, when "protection" is the standard (as opposed to appearance). Widespread findings based on measurement of galvanized coating thickness confirm that painting is often ordered when the zinc layer would still protect for year.

The findings concerning maintenance practices come from a recent national survey of electrical utilities by American Zinc Institute. Particularly pertinent are specific reports on life of galvanized steel in service, before its first painting. One finding: an essentially smooth galvanized surface normally indicates continued zinc protection. Another conclusion merits stress at this point, for it runs counter to information long in print: **Discolored galvanized steel is not necessarily unprotected.** Instruction manuals and maintenance guides that imply otherwise are out of date. Appearance alone is not a reliable gage to the integrity of a galvanized surface, nor of the continued ability of the zinc to protect from corrosion.

Upon weathering, a galvanized surface generally changes color. Grays of all shades, yellows, browns, and reds singly or in combination have been observed. Despite all these superficial hues and color changes, a zinc surface will continue to guard the steel beneath against rust. One factor alone determines the optimum time to paint galvanized steel: a zinc layer so measurably thin atop the steel surface that it will likely fail before the next inspection. No apparent correlation exists between environment and/or color and/or amount of zinc remaining available for surface protection.

Galvanizing protects against corrosion in two ways. First, it provides a rugged sheath between corrosive moisture and the base steel. This physical barrier is far tougher and longer lasting than that provided by soft organic coatings, whether plastic or paint. Second, the metallic zinc resists cororsion by galvanic action in a special form of



electrochemical protection. Since zinc is more active in galvanic couples than iron or steel, it provides iron and steel with electrolytic protection against rust. This protection is so effective that even though there be a small exposed area on the base metal, attack of the elements will be directed to the zinc, and protection will continue so long as sufficient zinc remains.

What Hot Dip Galvanizing Is

Steel is galvanized by applying zinc to a clean surface. Electro-galvanizing, one application method, is essentially a plating process. Hot dip galvanizing, another method, involves dipping the steel into a molten zinc bath. In the hot dip process, the steel remains submerged until its temperature reaches that of the molten zinc bath—about 830 to 860°F. Upon removal, surplus zinc runs off. Left behind is a protective coating of zinc from 4 to 8 mils thick on heavy structures.

Outside, this coating is zinc. Beneath is the steel which was dipped into the molten bath. Between the two layers is a third, zinc-iron alloy. This middle layer is largely zinc at its outer region, and becomes richer in iron as it nears the steel base. The zinc-iron alloy is highly important to the performance of a galvanized surface.

ESTIMATED LIFE OF ZINC-COATED PRODUCTS IN THE ATMOSPHERE*

LIFE IN YEARS UNDER ATMOSPHERIC CONDITIONS

Thickness in.	Weight in oz/sq. ft of Surface**	Rural	Tropical Marine	Temperate Marine	Suburban	Urban	Highly Industrial
.0036	2.00	50	40	35	30	25	15
.0023	1.25	35	30	25	20	17	9
.0018	1.00	25	20	15	12	10	7
.0011	0.60	10	8	7	5	4	3
.00066	0.37	7	6	5	4	3	2
.00044	0.25	5	4	3	3	2	1

*From "Protective Coatings for Metals," American Chemical Society Monograph Series No. 129, Burns and Bradley. Courtesy: Reinhold Publishing Corp., New York, New York.

**In the case of galvanized steel sheets the weight of zinc is specified in terms of total zinc on both sides of the sheet; i.e, a 2-oz. sheet has 1 oz. of zinc per sq. ft. of surface.

painting galvanized steel . . .

Equally important, the zinc-iron layer firmly binds zinc coating to steel base. The two metals actually intermingle with one another on a molecular level. The adherence of zinc to steel is to be contrasted with that of paint, where the coating merely lies on the surface.

It thus became apparent why a galvanized surface can look discolored, yet continue to protect from corrosion. The reddish discoloration is considered by some authorities to consist of rusted clumps of iron molecules dispersed through a zinc matrix. Since these iron molecules are physically removed from the steel surface beneth, the discoloration is not meaningful.

Check Discoloration

Check it: Lightly abrade a discolored section of freshly weathered galvanized steel. The discoloration falls away immediately, to reveal unweathered galvanized steel beneath—all gray without sign of reddish hue. Within weeks or months, of course, reddish discoloration will reappear as newly exposed iron molecules oxidize.

It is apparent that thickness of the zinc coating bears an obvious and direct relationship to effective service life. Nondestructive testing methods —the obvious answer—have only recently been applied to galvanized steel. Quite a number of instruments for this purpose now exist (sold under such trade names as **Elcometer, Mikrotest, Tinsley, Magne Gage,** etc.). All are magnetic in principle. All compare the magnetic properties of a standard ferrous specimen against those of the zinc-coated test piece. Some do this by measurement of attractive force. Others measure reluctance. Difference in attractive force or reluctance is automatically expressed as thickness of the zinc coating.

Properly calibrated and operated, these instruments reliably measure galvanized coating thickness within ±15%. In the American Zinc Institute's national survey of utilities, an outstanding trait common to all discolored surfaces carrying residual zinc was their essential smoothness. It would appear that one simple test will broadly measure whether zinc continues to offer protection. If the discolored surface is roughened, then prompt application of an instrument is called for to ascertain whether or not failure of the galvanized surface is imminent.

BOOKS RECEIVED

Urban Landscape Design. By Garrett Eckbo. McGraw-Hill Book Co., 330 West 42nd St., New York, N.Y., 10036. 1964. 239-pp., 600 illustrations. $16.50.

Discusses the qualitative aspects of the general physical landscape with particular emphasis on more urbanized areas, the relationship between landscape and people, and the importance of quality, completeness and continuity of landscape experience wherever we may be. Five of the nine chapters deal with case studies, liberally illustrated and described; other chapters deal with natural, social and philosophical background for design thinking and the elements which make up physical landscape.

Comprehensive Architectural Services: General Principles and Practice. Edited by William Dudley Hunt, Jr., AIA. McGraw-Hill Book Co., 330 W. 42nd St., New York, N.Y. 10036. 238-pp. 1965. $8.00.

Presents new material on contemporary architectural practice for present and future. Describes how architecture will be practiced in years to come, in wide ranging, large-scale, complex development and in smaller buildings, including some elements of practice not usually performed by architects in the past but that will be in future. Book portrays what the new services will be, how architects can prepare for them, how services will be performed and by whom, how they will be coordinated and how they will be compensated for. Based on pioneering efforts of the AIA Committee on the Profession to find better methods of architectural practice, the book contains some articles by outstanding architects and other experts published in the AIA Journal.

Architectural Engineering-Environmental Control. Edited by Robert E. Fischer. McGraw-Hill Book Co., 330 West 42nd St., New York, N.Y. 10036. 1964. 210-pp. $10.00.

Gives the latest advances in concepts and systems for providing the best in heating and air conditioning, lighting and acoustical conditions in a wide variety of buildings such as: hotels and motels, stores and shopping centers, schools, libraries, hospitals, auditoriums, commercial kitchens, apartments and office buildings.

Hospital Design and Function. By E. Todd Wheeler, FAIA. McGraw-Hill Book Co., 330 West 42nd St., New York, N.Y. 10036. 1964. 289-pp. $13.50.

Details the functional program requirements of a general hospital and the specific manner in which each department is designed to meet those requirements. Book's purpose is to guide the architect, hospital administrators and department heads toward designs which can reflect the accepted operating practices and still be original and beautiful. Basic determinants are developed rather than typical plans, with emphasis on techniques of planning rather than upon specific solutions.

Fundamentals of Prestressed Concrete. Prestressed Concrete Institute, 205 W. Wacker Drive, Chicago, Ill. 60606. September 1964. $4.50.

Revised edition incorporates the prestressed concrete provisions of the new ACI building code (318-63) with one of the most important additions being a section on how to calculate shear and ultimate moment under the code. Several examples of typical calculations using basic prestressed concrete shapes are included as a guide. Also presented are basic principles for design of prestressed concrete structural elements.

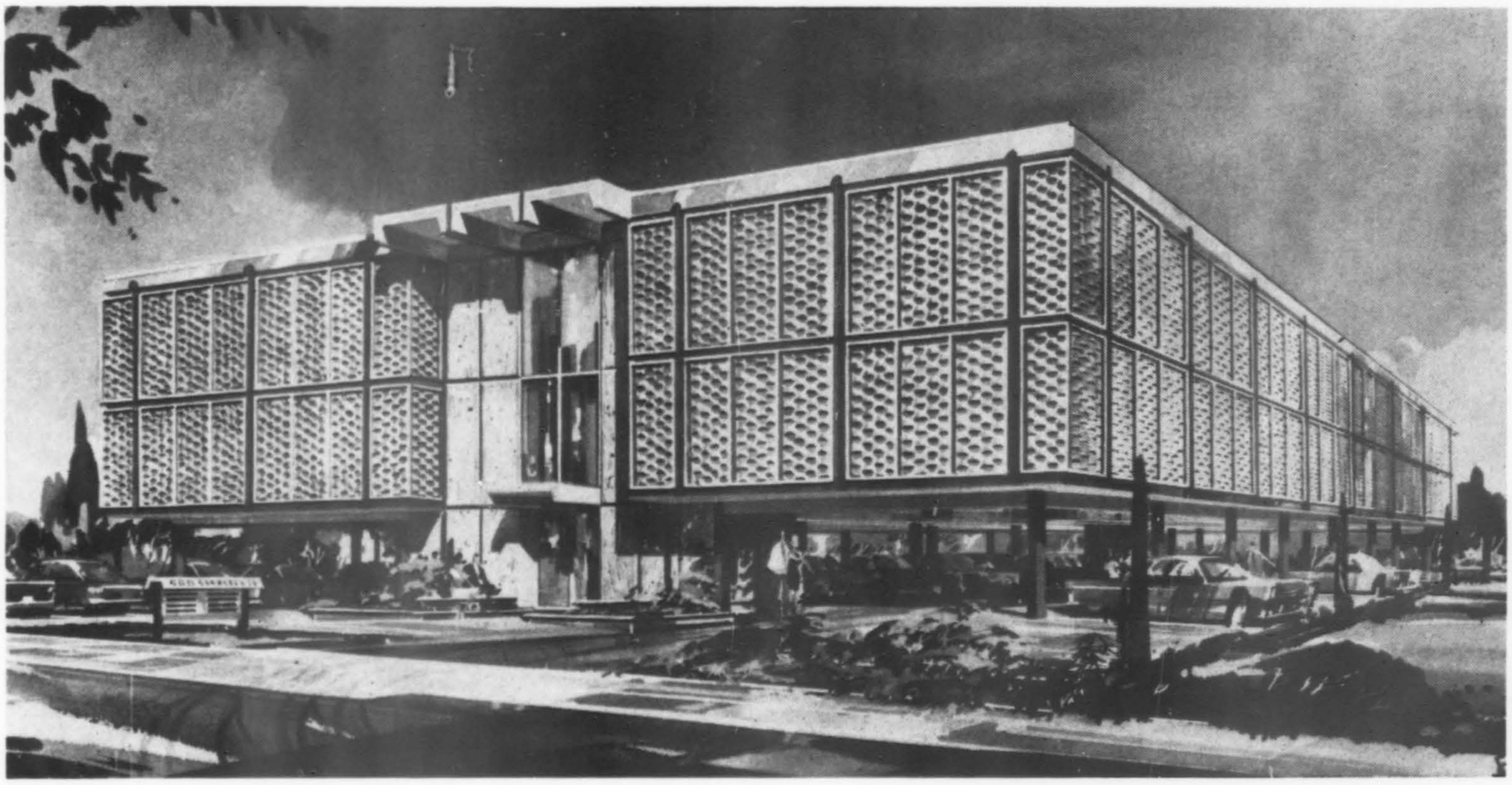
Recommended Practices and Criteria for Design, Fabrication and Installation of Aluminum Curtain Walls. Architectural Aluminum Manufacturers Association, 35 East Wacker Drive, Chicago, Ilinois, 60601.

Thumbnails such design criteria as loads, deflection, mullion design, design stresses, expansion and contraction, anchors and attachments, protection against corrosion, and so on. Also covers clearances and tolerances, weather tightness, glass and glazing, finishes and terminology.

Now in Hundreds of New Western Buildings

Prefabricated—Fireproofed—UL Rated & Labeled

FIRE-TROL COLUMNS



The K. G. Shireling Company Medical Office Building to be at 50 North San Mateo Drive, San Mateo, California. This three story steel frame building is designed with Fire-Trol Columns throughout. Window walls are framed directly to the Columns. Drain lines are contained inside the Fire-Trol Column Shells.

IMMEDIATE ACCEPTANCE by Architects and Engineers put thousands of Fire-Trol Columns in hundreds of new western buildings since their first introduction a short time ago. The advantages are obvious—Contractors agree Fire-Trol Columns speed construction because there is no on-the-job fireproofing, they save space because they are smaller. In addition, Fire-Trol Columns are more durable than other fireproofed columns and are available in a variety of architectural shapes and finishes. Manufactured by three western firms, Fire-Trol Columns are readily available to any western jobsite. Take advantage of this better way to build fire-resistive buildings in your next commercial, apartment or institutional project.

Owner: K. G. Shireling Company
Design: K. G. Shireling Co. and Robert E. Onorato, AIBD
Engineer: Vyacheslav D. Vasiliev
Contractor: Sorensen & Marsh, Inc.
Steel Fabricator: Baker Iron Works
Fire-Trol Column Source: Pacific Column Company

Mail coupon for 8 page Brochure to nearest supplier below

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Area Code 415—522-6100

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Los Angeles, California
Area Code 213—747-4131

Coupon No. 20

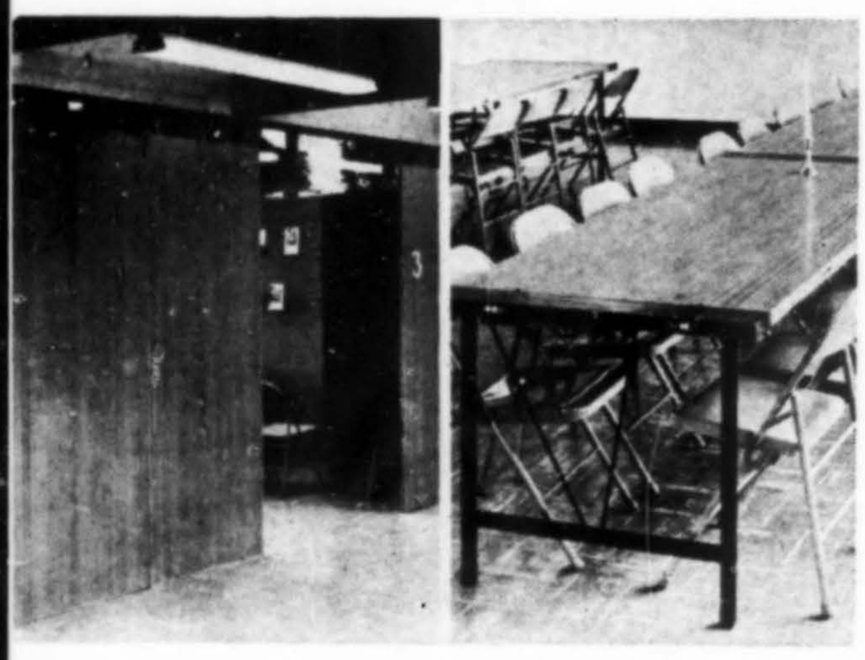
PRODUCTS

automatic sliding hospital doors

Automatic sliding doors for hospital emergency rooms are controlled by a series of mats which extend the full length of the vestibule and beyond each door. The use of sliding doors answers the problem of wind and temperature control in the emergency room. The Hydra-Slide doors, recently introduced, are available with a breakaway feature to enable them to swing outward in event of power failure or panic, a feature that conforms to most regulations pertaining to safety devices for exterior door installations in public buildings. Doors are available as single action or bi-parting.—Ronan & Kunzl, Inc. (A/W), 1225 S. Kalamazoo Ave., Marshall, Michigan. **Coupon No. 33.**

"Magnolia" woodgrain wall panels

A new woodgrain pattern has been added to Evans recently-introduced vinyl covered wall paneling products. Called Magnolia, the panels have a pronounced wood grain, light ash in color, designed for application to walls in homes, offices, motels, restaurants, apartments and all interior uses. Panels are available in 4x8-ft., smooth or U-grooved with random groove spacing and in thicknesses of ⅛, $\frac{3}{16}$ and ¼-inches. The vinyl face is said to be resistant to abrasion, scratches or scuffs, won't fade, crack or chip.—Evans Products Co. (A/W), 1121 S.W. Salmon, Portland, Ore. **Coupon No. 34.**



partitions double as walls, tables

Unique portable partitions double as classroom dividers and banquet tables. Designed for church or institutional use, the Porta-Class Table/Wall units are finished in durable cherry-grained Masonite Duolux. Panels are locked together to form walls, disassembled and converted to tables with standard Allen wrench. Metal legs can be attached to ends of basic panels to form tables that will seat eight comfortably. Cork or chalkboard surfaces are available for classroom Table/Wall panels. Rollaway bases of heavy-gauge aluminum channel permit easy handling.—Church Interiors, Inc. (A/W), 1515 S. Tacoma Way, Tacoma, Wash. 98402. **Coupon No. 35.**

executive chair in Spanish motif

A new rotary executive chair, Conquistador, designed by Jose M. Rodriguez, has a Spanish motif featuring an exceptionally high-roll pillow back. The chair, which completes the new Mediterranean Series office ensemble including a desk and credenza, is available in standard naugahyde with color-matching fabrics. The wooden rotary base is American walnut.—Hiebert, Inc. (A/W), 17001 Yukon Ave., Torrance, Cal. **Coupon No. 36.**

versatile library study carrel

A versatile new study carrel for library use can be used back to back, side by side, in tandem or in other ways to meet requirements of function and space. These carrels are supplied with aluminum posts and leveling glides. Panels can be wood with painted interior or can be provided in Formica of any standard pattern or colors. Work tops come in either Videcor or Formica, shelves are of wood or Formica depending upon material used in panels.—John E. Sjostrom Co. (AW), 1717 N. 10th St., Philadelphia 19122. **Coupon No. 37.**

specialized roof coating

Neolon, a highly specialized roof coating, has been developed to handle all problems of the unique roof shapes in modern architecture. Neolon is an elastomeric, thermo-plastic coating formulated from DuPont's Neoprene-Hypalon synthetic resins. Built-in weathering characteristics enables complete protection under virtually all climatic conditions. It is said to be elastic and flexible, tough rather than hard, and follows the contours of backing over which it is applied. It can be applied to portland cement, concrete, plywood, metal or asbestos and insulation board. Although specifically designed for exterior application, Neolon is also suitable for interior applications where this type coating may be required. It is available in an unlimited color range.—Desco International Assoc. (A/W), Box 74, Buffalo, N.Y. **Coupon No. 38.**

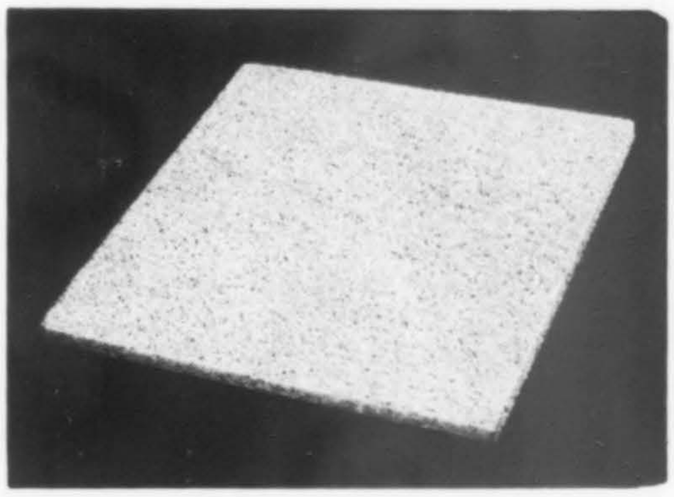
sliding glass walls for shopping malls

A sliding glass wall that opens entire store fronts to shoppers, rolls on a narrow track, and can even be guided around corners for out-of-the-way storage has been introduced by Kawneer. The 1040 Sliding Door requires only one narrow track regardless of the number of sliding panels used. The track fits flush with floors and carpets with no cover plates or wide-track hazards. In addition, the 1040 provides security and clean appearanceof a fixed wall design. The entire store front is locked by one maximum security lock. Panels can be concealed in closets, stacked evenly behind a sidelight or rolled to the rear of the store. Heights to 14-ft. are available. The 1040 door is manufactured in standard 204 A/R1 anodized finish with optional choice of light bronze, medium bronze or black permanodic finishes. Doors are recommended as store fronts on enclosed mall shopping centers or for use as movable space dividers.—Kawneer Co. (A/W), 600 Parr, Richmond, Cal. **Coupon No. 39.**

A/W pinpoints . . .

IN SAN FRANCISCO . . .

The Assembly Area of the Grand Ballroom at the new Hilton Hotel has a great bank of window wall, two stories high. It is curtained in "Sandune", a casement fabric by F. Schumacher & Company, selected because of its decorative qualities as well as for its efficiency in performance and maintenance. Over 5,000 yards were used for windows in the public areas. "Sandune" is a certified Rovana drapery fabric woven in a combination of The Dow Chemical Company's saran flat monofilament, Verel, and flax. David T. Williams was interior designer. The chandelier is an exclusive Irene McGowan design.



lay-in grid panels in white

Tectum lay-in grid panels made from long-strand wood fibers are now available in factory-painted white for institutional and commercial interiors. White paint is sprayed into panel surface for increased light reflectance and greater uniformity of surface tone. The lay-in panels have a Noise Reduction Coefficient range of .50 to .60 when installed in a No. 7 mounting. Designed to fit most standard suspended grid systems, the white panels are one inch thick and come in 2x2-ft. and 2-4-ft. sizes.—National Gypsum Co. (A/W), Buffalo 2, New York. **Coupon No. 40.**

panic exit device

Thru-bolted trim application to assure tighter, tamper-proof installation is featured in the new Challenger Panic Exit Device. Available in rim, vertical rod and mortise types, with wide choice of pulls in all standard finishes. The device fits most narrow stile doors, is universal and non-handed.—Challenger Lock & Hardware Div. (A/W), Yale & Towne, Inc., 2349 W. La Palma Ave., Anaheim, Calif. **Coupon No. 41.**

gaslights with Spanish style

Two Spanish versions of gaslights called the Santa Fe and the El Paso are designed for outdoor installation as entrance lights, for walkways, porches or backyard patios. Both designs are complete with mounting post or bracket for pilaster installation. The lamps, in Spanish traditional style, use an abundance of wrought iron decoration, are designed to operate continuously. Lamp windows are available in clear or cathedral glass.—Everglow Co., Inc. (A/W) 1532 W. Embassy, Anaheim, Cal. **Coupon No. 42.**

LITERATURE

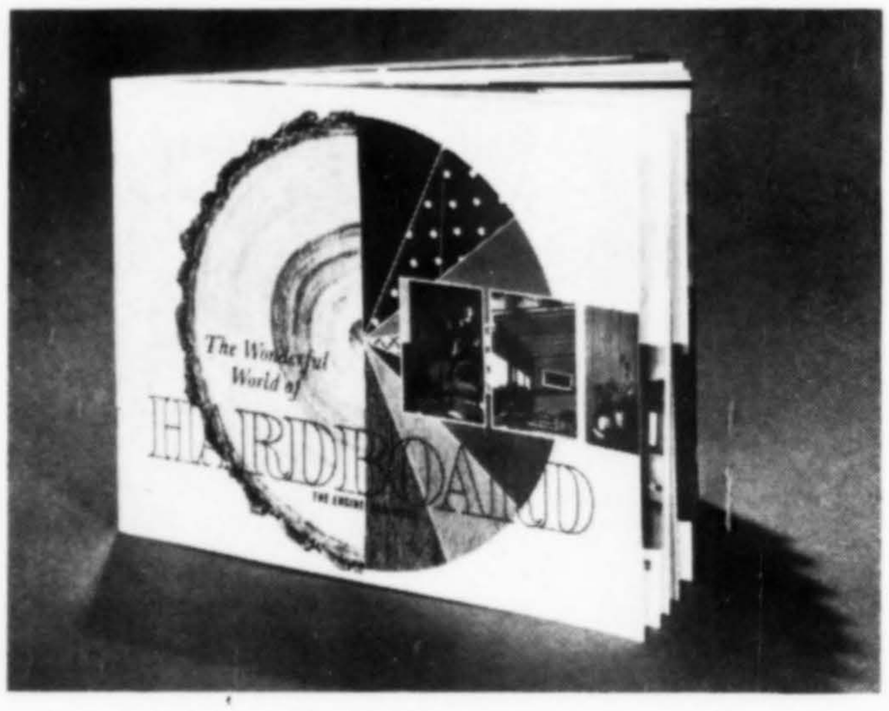
Deep Longspan Steel Joists (AIA 13-G): presents new "DLH" and DLJ" series of open-web steel joists, modified Warren-type steel trusses for spans up to 144-ft. Covers camber, joist variations, panel lengths, allowable total safe loads in pounds per linear foot of joist, and calculation of joist deflection. Brochure was especially prepared for architects and engineers designing large clear-span structures (supermarkets, industrial plants, gymnasiums, bowling alleys, armories and other buildings requiring column-free floor area). No. 3016, 12-pp.—Ceco Steel Products Corp., 5601 W. 26th St., Chicago 60650.

Rilco Laminated Wood Products (AIA 19-B-3): full-color catalog of wood products for the 1965 Rilco line shows uses and details of Rilco members for churches, schools, commercial and industrial buildings and homes. Provides basic design data, specification guide, products information and engineering services. Data on solid timber decking, vertically laminated beams and laminated decking. 20-pp.—Weyerhaeuser Co., Box B 270, Tacoma, Wash.

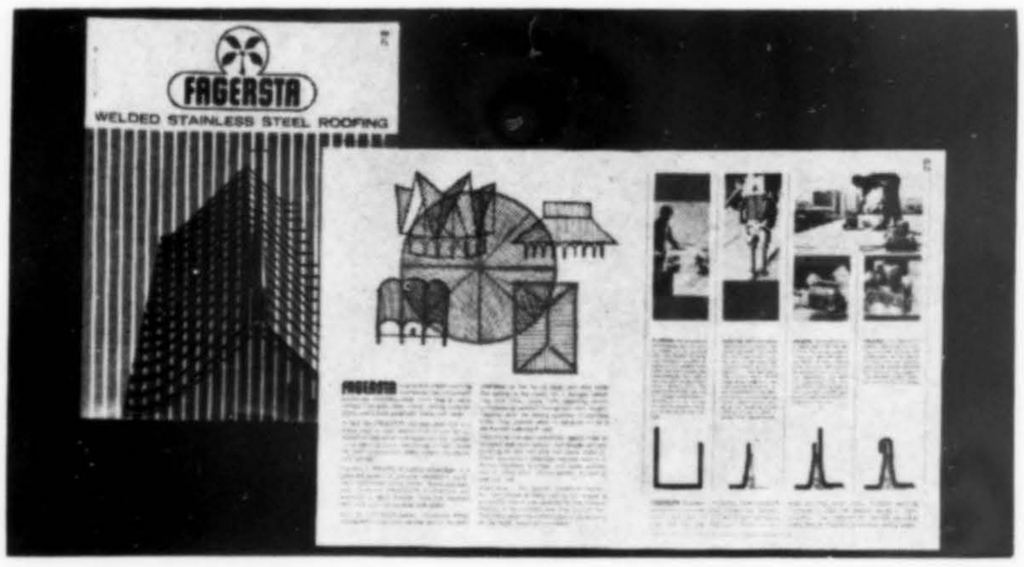
Costa Mesa Philadelphian Series: illustrates complete series in photos about one-eighth actual size, although catalog is standard 8½x11. Designed by Selje & Bond, the series features distinguishing rout design on top, pedestals and drawer fronts. Included are pedestal desks, secretarial and executive L-groups and U-groups, credenzas, occasional and conference tables, filing cabinets. Size of furniture is listed.—Costa Mesa Furniture Co., 411 East Julianna St., Anaheim, Calif.

Cellon Pressure Treated Process for Wood Preservation (AIA 19-A-3): outlines the properties and applications for Cellon, a pressure treated process for preservation of lumber and plywood. Bulletin also lists physical properties and tests made with the material and recommends usage of product. Cellon-treated wood is said to remain unchanged in color and weight, has no odor or corrosive action on metal fittings. Bulletin W-406, 4 pp.—Forest Products Div., Koppers Company, Inc., 750 Koppers Bldg., Pittsburgh, Pa. 15219.

Guide to Better Fountain Designs: (AIA 38-G): catalog covers all phases of basic education necessary in construction and selection of water displays. Wide range of specialized information on fountain purchase, care, placement is offered together with a selection of all products manufactured by the company. Sizes, accessories and costs. 118-pp.—Roman Fountains, 14847 Bessemer, Van Nuys, Cal.



The Wonderful World of Hardboard: colorfully illustrates the transition of hardboard paneling from plain brown board to an "engineered" wood panel product with a wide variety of textures, patterns and faces. The brochure describes the production of hardboard and shows the numerous applications and uses of the product in residential, commercial and remodeling projects as well as in industrial applications (furniture, signs, displays). Full color. 28-pp.—American Hardboard Association, 20 North Wacker Drive, Chicago 60606.



Fagersta Welded Stainless Steel Roofing (AIA 12-B): describes and illustrates the continuously welded metal roofing seams and portable power roofing installation system patented by Fagersta. The brochure illustrates with graphs and photos installations including even flat roofs. Application methods are compared to other competitive metal roofing materials.—Fagersta Steels, Inc., 6430 North Hamlin Ave., Chicago.

Architectural Colorlith Products (AIA 23-L): introduces all colors and patterns available in the Colorlith group which includes Colorlith, Colorthin, Colorchip and Colorvein. Close-up views of the materials with product description, exterior and interior application photos, and all physical properties and specifications for the fire and weather resistant panels are given. Four color, 8-pp.—Advertising Dept., Johns-Manville, 22 East 40th St., New York 10016.

Lock-Deck Decking (AIA 19-B-3): technical guide for Lock-Deck decking, available in Southern Pine, Douglas Fir and Larch, White Fir, Idaho White Pine and Inland Red Cedar, or in combinations of two or more species. Full information on patterns, sizes and the four face grades, properties of a one-foot section, insulation, and fire resistance factors, span systems and tables, allowable stresses, pitched-roof design and specifications are provided. Full-color, 8 pp.—Wood Products Div., Potlach Forests, Inc., P.O. Box 8850, Chicago 60666.

Fusible Expandable Load Centers: describes fusible load centers for commercial, residential and some industrial applications. Details the twist-out arrangements that make the load centers expandable and covers features of the Uni-Pak Line which contribute to installation ease and economy as well as to application flexibility. Illustrates various available interiors for applications with different sized units, for flush or surface mountings and rain-tight enclosures. Available accessories and replacement parts also listed. Bulletin 9103-1A, four-color, 8-pp.—I-T-E Circuit Breaker Co., 1900 Hamilton St., Philadelphia 19130.

Weldwood Movable Walls: details, design flexibility of Weldwood walls with the five basic designs illustrated. Custom variations are described and types of domestic and hardwood faces as well as vinyl or painted surfaces available are given. Technical data section gives information of the fire protection, acoustical qualities and wiring possibilities of the walls. Recommended specifications included. 8-pp.—Dept. PRP, U.S. Plywood Corp., 777 Third Ave., New York 10017.

How Best to Heat Your Schools: a guide book to help evaluate and pinpoint the material and economic advantages of oil heat in school buildings, new and old. Comments, discussions and cost comparisons are included. Also covered are installation costs, operating costs, maintenance, utility rates and subsidies and facts about safety, cleanliness. Compiled by experts in the field and directed specifically to architects, school board members, mechanical engineers. Copies are $1.00 each.—National Oil Fuel Institute, Inc., 60 E. 42nd St., New York, N.Y. 10017.

Rolled, Figured and Wired Glass (AIA 26A-256): presents the 1965 catalog covering complete line of glass patterns for installation in industrial, commercial, school, church, institutional and residential structures. Profusely illustrated with typical installations, photos of individual patterns and light distribution charts and transmission data. Catalog No. 65, 16-pp.—Mississippi Glass Company, 88 Angelica Street, St. Louis, Mo. 63147

Brick Vents in Anodized Extruded Aluminum: furnishes details on brick size vents including descriptive and specification data and a stock size selector chart which gives dimensions and free areas of 50 modular C/S brick vent sizes for brick, block and precast panel construction. C/S brick vents feature high free areas, strength, and are said to be ideally suited for air conditioning units, for ventilation of roof spaces, bank vaults, boiler and incinerator rooms, pump stations. Full color. 4-pp.—Construction Specialties, Inc., 55 Winans, Cranford, N.J.

Steel Lockers: concisely presents data, dimensions and detail drawings needed to specify steel locker room storage equipment. Single and double-tier lockers, multiple-tier limited storage lockers, basket racks, gym units and combinations, are described, with their uses, dimensional drawings and complete written specifications. 8-pp.—Penco Products, Inc., 200 Brower Ave., Oaks, Pa.

Silent-Cor for Sound Control (AIA-39-B): installation procedures and properties of a new sound-deadening construction board, Silent-Cor, are described in detail. Illustrated are methods for using the polystyrene foam/paper laminate in wall, ceiling and flooring applications. 8-pp. — Dept. 804, Monsanto Co., Building Products Dept., St. Louis, Missouri.

Power Styling: new design ideas to help electrical power companies bring utility structures out of hiding (generating plants, transmission towers, etc.) are introduced. For example: concept of a utility pole which incorporates a sheltered bus stop; a tall, compact substation aesthetically suitable for downtown location. Solutions in book suggest that new design approaches can win wide public approval by increasing service to the community and by enhancing their surroundings as well. These are not finished engineered drawings but 85 design concepts covering all types of electric utility structures. Full color, 24-pp.—United States Steel Corp., 120 Montgomery St., San Francisco.

San Valle Roofing Tile for Today's Architecture (AIA 12-E): full color loose leaf brochure contains individual 8½x11 color sheets on the various roofing tiles, sizes, application, specifications, colors with illustrations of actual buildings by architects in the West. Complete and easy to file.—San Valle Roofing Tiles, 1258 N. Highland Ave., Los Angeles 90038.

OFFICE AIDS

PORTABLE DRAFTING MACHINE . . .
with 360 degree protractor, 6x9-in., weighs only six ounces and can be attached to a pad of paper or drawing board up to 16x21-in. An adjustable clamping device fastens in place. When not in use, machine jack-knives to be stored in briefcase or desk. Features of a T-square, triangle and protractor are combined in one self-contained unit.—Draftette Company, 259 S. Robertson Blvd., Beverly Hills, Calif. 90213.

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"SHORT-DEPTH" DATACENTER . . .
has been introduced as an auxiliary unit to provide increased working and storage space in data processing departments. The Model 7235 Datacenter is a wall type, 19¾-in. deep, providing island-top working surfaces while housing forms, cards, control panels and CRAM cartridges on flat shelves. The 7235 has only one side opening, is of slim-line design available in 23 acrylic finishes.—Steelcase, Inc., 1120 - 36th St. S.E., Grand Rapids, Michigan.

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440 TEMPLATES . . .
are described in what is said to be most complete template catalog in America. The 32-page book illustrates nearly all the templates to aid in identification. Complete specifications of each are included. Templates shown are those used in virtually every profession and business.—A. Lietz Company, P.O. Box 3633, San Francisco, Calif.

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EASY TILT DRAFTING TABLE . . .
combines many features including full height adjustments. The wood board tilts from 0° to 90° and adjusts easily from 29-in. desk height to 46-in. standing positions using two knobs placed at arm's length. Entire base is heavy gauge square tubular steel with gray baked enamel finish. Steel tray provides pencil, ruler storage. Three sizes are available in the precision birch veneer tops.—Paxton Equipment, 7401 S. Pulaski, Chicago 60629.

OPAQUE SOLID COLOR TAPES . . .
come in matte or glossy finish, are designed to improve drafting and charting techniques and results. The new tapes, first of a series, are available in eleven stock sizes, 14 colors. Coated with pressure-sensitive, heat-resistant adhesive, the tapes are said to shorten preparation time of drawings and layouts used for planning purposes or as visual aids. Matte tapes can be drawn on with pen or pencil, are suited for photographic reproduction. Both are precision slit and identified as being shrink resistant and non-discoloring. — By-Buk Company, 4326 W. Pico Blvd., Los Angeles 90019.

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ELECTRIC WASTEBASKET . . .
shreds important papers, not meant to be read again, and handles ordinary paper waste, too. The "Destroyit" Electric-Wastebasket is automatic, has no buttons, starts and stops by itself when a sheet, or several sheets, are fed into the machine. A convenient spring-door provides room for waste not to be shredded. The "Destroyit" is fully enclosed, all-metal, same size as ordinary wastebasket, plugs into any electrical outlet. It will fit at the side or under any desk, is said to require no maintenance other than emptying.—Michael Lith Sales Corp., 145 West 45th St., New York 10036.

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CONSOLE WHITEPRINTER . . .
with particular applications in high volume engineering and business office copying systems has recently been introduced. The Revolute 830, a dry diazo printer, is equipped with automatic feed, handles sheets up to eleven inches in width as fast as operator can introduce the original. The machine operates at rate of from two to 60-ft. per minute, from either a standing or sitting position. It is 50-in. tall, 38-in. wide, 45-in. deep; has a broad feed board and is styled in beige and cocoa metal chassis. Available in lamp wattages of 60, 80 or 100.—Charles Bruning Company, 1800 West Central Road, Mount Prospect, Illinois.

MANUFACTURERS/SUPPLIERS

• **Panel Structures:** Evans Products Company, Portland, has acquired the Panel Structures Division of Mission Homes, Inc., Missoula, Montana, a nationally known manufacturer of laminated beams and engineered wood structural components for roofs, floors and walls. Operation of the former Panel Structures plants will be directed by John S. Pritchard, general manager of advertising and sales promotion for the Building Materials Division of Evans Products.

• **Aluminum & Bronze Fabricators:** The Seattle manufacturer of custom ornamental specialties for the architectural profession has moved into a new plant at 6301 West Marginal Way S.W., Seattle. Joe Cortes is president.

• **Schlage Lock Company:** The San Francisco firm has purchased all assets of Vonnegut Hardware Company, Indianapolis, according to Marron Kendrick, Schlage president. Vonnegut will continue to operate as an independent subsidiary of Schlage.

• **Kaiser Cement & Gypsum Corp.:** Peter S. Hass, president, said that a long-term lease has been signed with the Seattle Port Commission for a 20-acre site on the Duwamish Waterway. The property is directly across the Duwamish from the Seattle gypsum products plant of Kaiser Gypsum Co., Inc., a wholly-owned subsidiary of the corporation.

• **St. Regis Paper Co.:** The Forest Products Division has introduced a new plywood panel, Primed Plyaloy, according to sales manager Richard P. Neils. It is manufactured at the company's Olympia, Washington plant. Prime coating is applied to the panels under factory conditions, a saving of time and money, according to the firm.

• **Filon Corp.:** Appointment of Gilbert L. Smith to the position of vice-president-marketing development has been announced by David S. Perry, president of the Hawthorne, California firm. Announcement was also made of the appointment of B. N. Ivanovsky to the post of Western Division Sales Manager, supervising sales offices serving the west.

• **Pacific Gas & Electric Co.:** New Sacramento division headquarters were recently opened on a 16-acre site at Fruitridge and Florin-Perkins Roads. The new building, including the district service center, was built at a cost of $2.7 million, will consolidate the utility's five separate Sacramento operations at one location. K. C. Porter is division manager.

• **United States Plywood Corp.:** Two branch manager appointments have been announced: Robert J. Blind, formerly at Eugene, Oregon, was named manager of the Denver Branch, replacing Norman D. Ward who was appointed director of builder marketing. Murl S. Westcott will take over the Oregon position.

• **Western Wood Products Association:** Leo W. Beckstrom, Portland, has announced his resignation from his position as director of advertising and promotion for the association. He was with the Western Pine Association for 18 years prior to their merger with the West Coast Lumbermen's Association last year.

• **Amerada Glass Corp.:** Stuart Campbell has been appointed northern California representative for the firm's architectural glass. He will headquarter in San Francisco.

• **John Lukas Stained Glass:** A new three-story building at 152 Helena St., San Francisco, will be the location of the John Lukas studio. The firm has been at 359 Waller Street since it was founded more than 40 years ago.

• **Westinghouse Electric Corp.:** Richard A. "Dick" Trethric has been appointed sales engineer for the Decorative Micarta Division to serve nine Northwestern states. Headquartered in San Francisco, he succeeds S. L. White who has been named marketing services and communications manager at the Hampton, South Carolina headquarters of the division.

• **Weber Showcase & Fixture Co., Inc.:** E. O. Stevenson has been appointed vice president and director of marketing of the firm located at 5700 Avalon Blvd., Los Angeles.

WEYERHAEUSER'S new facility in Phoenix, Arizona, predominately incorporates the firm's own building products: wall panels built on the floor and tilted into place, similar to tilt-up concrete work. Laminated wood beams supported by laminated wood columns formed outside members of the adjoining panels. Lateral loads are resisted by plywood roof, a non-functional expression which has become something of a Weyerhaeuser trademark. Harry Youngkin was architect.

• **Architectural Aluminum Manufacturers Association:** A new Western Region Chapter has been formed with more than 46 companies authorized to use the AAMA "Quality Certified" label on their products. All are based in the 13 Western state region. Officers just elected are: Lou Bennett, Jr., Walker-Lujon Corp., first vice chairman; Harry Rigelman, Ador/Security, second vice chairman; Cliff Pratt, Universal Molding Corp., second vice chairman; Ralph Saxton, Likit Windows, secretary; Sydney Sossin, Michael Flynn Manufacturing, treasurer. George Radford, president of Radco Products, Inc., is national president of the AAMA.

• **A. H. Witt Co., Inc.:** Dudley M. Cawthon has been named sales manager of the Gardena, California firm, manufacturers of air conditioning, refrigeration coils, and allied products. For the past 10 years he has been vice president in charge of the refrigeration division of Hill York Corp., Miami, Florida.

• **Yawman & Erbe:** The Rochester, New York producer of steel office furniture has purchased The Holga Metal Production Co., Van Nuys, California, west coast manufacturer of business furniture, according to Arthur E. Smith, Y&E vice president and general manager. Judson Roberts, vice president and general manager of Holga, will continue in this capacity and retain full responsibility for the new division. The purchase, according to Smith, will provide Y&E with a more competitive position in the West Coast market.

• **International Paper Co.:** John P. Starr has been appointed sales manager, Western district, of the firm's Wood Preserving Division, according to B. W. Runkel, general manager of this division. He succeeds Frederick S. Olmstead who has retired. Also announced was the appointment of E. C. Simmons to assistant sales manger. Headquarters are in Longview, Washington.

• **Roberts Consolidated Industries, Inc.:** The City of Industry, California, firm, manufacturers of Bi-Fold metal folding doors and mirror/door/dressing centers, has named Arthur J. McKeon, Jr., manager of the building materials department.

• **Sherman/Bertram of California:** Joe Dupuis who has been 18 years with the Southern California manufacturer of Western furniture, has been named vice president and general manager.

• **California Redwood Association:** At the annual meeting, the following officers were re-elected to serve for the fiscal year: Stanwood A. Murphy, The Pacific Lumber Company, president; Philip T. Farnsworth, executive vice president; A. O. Lefors, secretary; Martha J. Berg, treasurer. Newly elected to the board: Harold A. Miller, Miller Redwood Co., Portland.

• **Micarta Div., Westinghouse Electric Corp.:** J. Arthur Nanke has been appointed Western zone manager for the Micarta Division, to supervise sales for the high-pressure decorative laminate products in 11 states. Headquarters will be in Los Angeles.

• **American Cyanamid Co.:** The Los Angeles warehouse of the firm began in March to stock their Acrylic sheet for West Coast distribution.

• **Vermiculite Northwest, Inc.:** William W. Culver, president, announces the firm's move to expanded office and warehouse facilities at 2020 Airport Way South, Seattle. The company is distributor for the Zonolite Division of W. R. Grace & Co., serving Washington, Oregon, Alaska and portions of Idaho and Montana.

• **Soule Steel Company:** Howard Crom has been appointed general sales manager of the company's Steel Structures Division. In this capacity he will direct all sales activities for the division from the San Francisco headquarters. Robert Weyand has been named manager of the Los Angeles district and Donald Cunningham is new manager of Commercial Sales in the Southwest region.

• **Fritz Hansen, Inc.:** The new York firm announces the appointment of Hank Lowenstein, Hillsborough, California, as sales representative in the states of Oregon, Washington and Northern California for their exclusive line of Danish furniture.

• **U.S. Products Co.:** The firm, manufacturers of Air-Flo automatic sliding door closers, announces the move to a new home office and factory at 3402 West Osborn Road, Phoenix, Arizona. Lawrence D. Nelson is president.

• **Western Wood Preservers Institute:** New officers for 1965 elected at the annual meeting in February are: A. X. Baxter, J. H. Baxter Co., San Francisco, president; J. R. McFarland, L. D. McFarland Co., vice president; William C. Cairns, Baxter-Wyckoff Co., treasurer; Don C. Smith, Koppers Co., secretary.

• **Western Red Cedar Shake Association:** A new industry group has been formed to promote handsplit cedar shakes under the registered trade mark "Wonder Wood", genuine red cedar products. The program is designed to promote the use of handsplit cedar shake roofs for residential and commercial structures and to establish and maintain quality control standards. Officers are Dean R. Hurn, Concrete, Wash., president; Anthony Rhodes, vice president; Charles Potter, secretary-treasurer; Hugh R. Ridgway, executive secretary.

• **Kaiser Cement & Gypsum Corp.:** Robert B. Myers has been appointed sales engineer for the new ChemComp Cement, according to an announcement by C. W. McKinley, cement sales manager for the Oakland-based company. ChemComp is an expansive cement designed to compensate for the drying shrinkage inherent in ordinary portland cement concrete.

• **Dow Chemical Company:** The City of San Diego has sold 35 acres of land to Dow for use as a site for construction of a research facility. The land is located on U.S. Highway 101 adjacent to the San Diego campus of the University of California. Leland A. Doan, general manager of Dow's Western Division, San Francisco, said that this would be the 13th facility in the West.

A/W not specified_____

Two NOTES on the great sliding glass door controversy—now resolved to a small degree all across the nation, and seemingly completely resolved in the state of Washington.

Item 1: Now that inventories of crystal glass are reduced and tempered glass coming into plentiful supply, the costs have balanced out. In a few areas, *tempered glass is cheaper than crystal;* throughout Washington the difference in lights for an ordinary sliding door installation is but a few cents. Safety is now economically feasible!

Item 2: The laws in Washington prohibited *installation of non-safety glass,* but did not prohibit *sale* of non-safety glass to do-it-yourselfers, and a few outlets took advantage of this loophole. The loophole has now been closed by action of the Washington state legislature, where State Senator Herbert Friese of Walla Walla, and John L. O'Brien, majority leader in the House of Representatives, pushed through a bill to prohibit the sale as well as installation of non-safety glass in sliding doors. These two, and Governor Dan Evans who signed the bill, deserve the plaudits of every homeowner and of the building industry, which had helped police itself in this safety program only to run afoul of those who took advantage of the loophole.

Other states and other communities—including the State of Oregon—where measures are now before the legislature—should take note of this potential by-pass that could occur through unfortunate wording of a measure.

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BALCONIES ARE FOR THE BIRDS!

Or so says New York architect Lathrop Douglass who explodes the myth that a balcony in a city apartment represents (to some) wealth, rising social status and gracious living. Rather, he says, that those who have the dubious privilege of balcony-ownership will tell a different story: they accumulate deep deposits of cinders, ashes, dust and other airborne debris and, in addition, are literally "for the birds", providing comfortable perch and handy restroom facilities.

Douglass says that apartment balconies often are nothing more than architectural gadgetry—something to make a dull building a little more interesting. He suggests that the balcony space should be incorporated into the apartment itself.

Apartments should be designed to use as much glass as possible in the outside walls of the living room, from floor to ceiling if there is a view. Generous double doors could open this up on a variation of the shallow French balcony which provides just a foot or two to step out on when there is nice day. Or the floor-to-ceiling glass could be protected by railing and open the room completely to fresh air and light.

This design, says Douglass, takes the wasted space of a deep balcony and transforms it into heated, air conditioned and handsomely appointed rooms. Opened at the proper season, the illusion is there, and so is the comfort.

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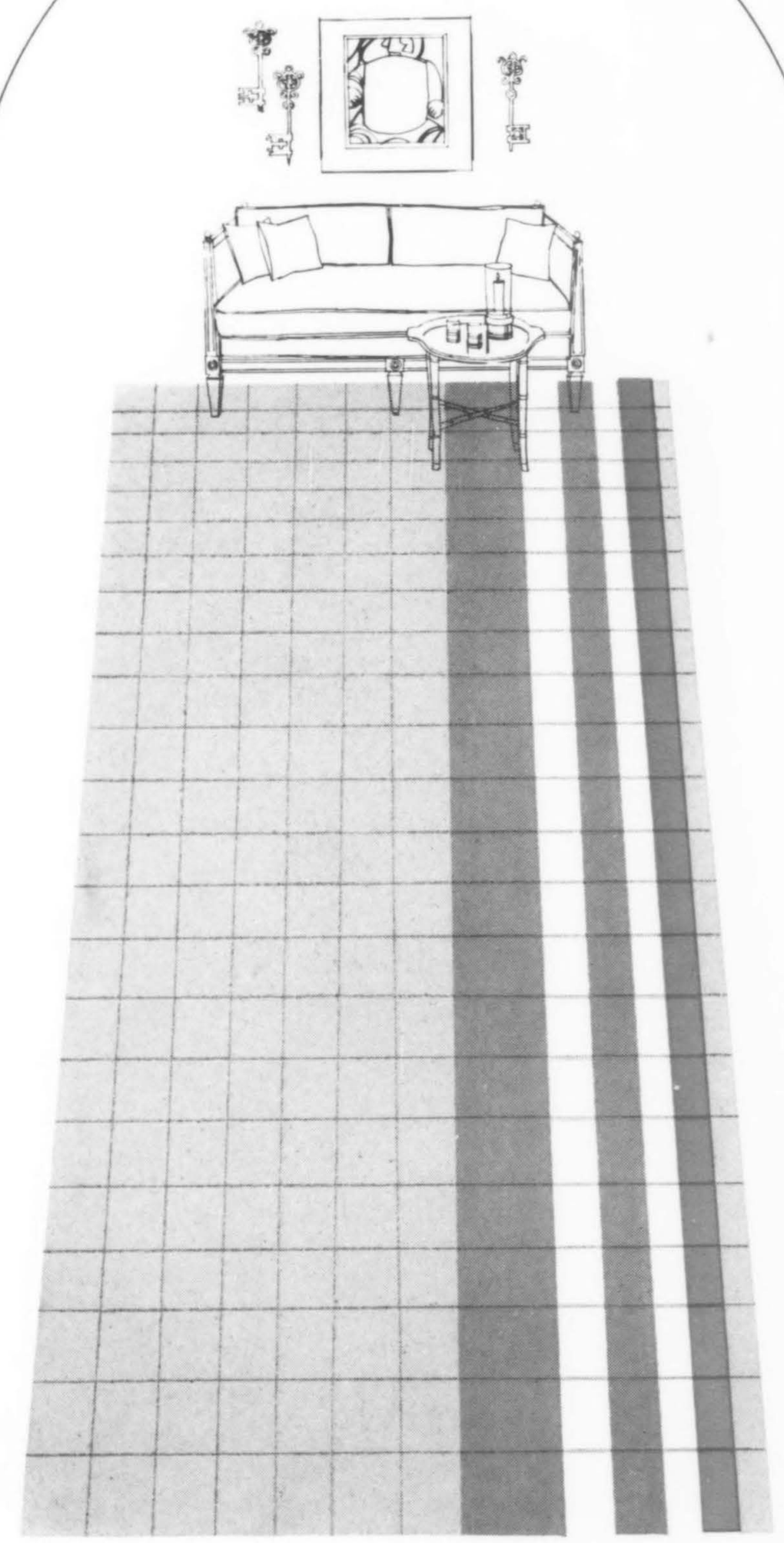

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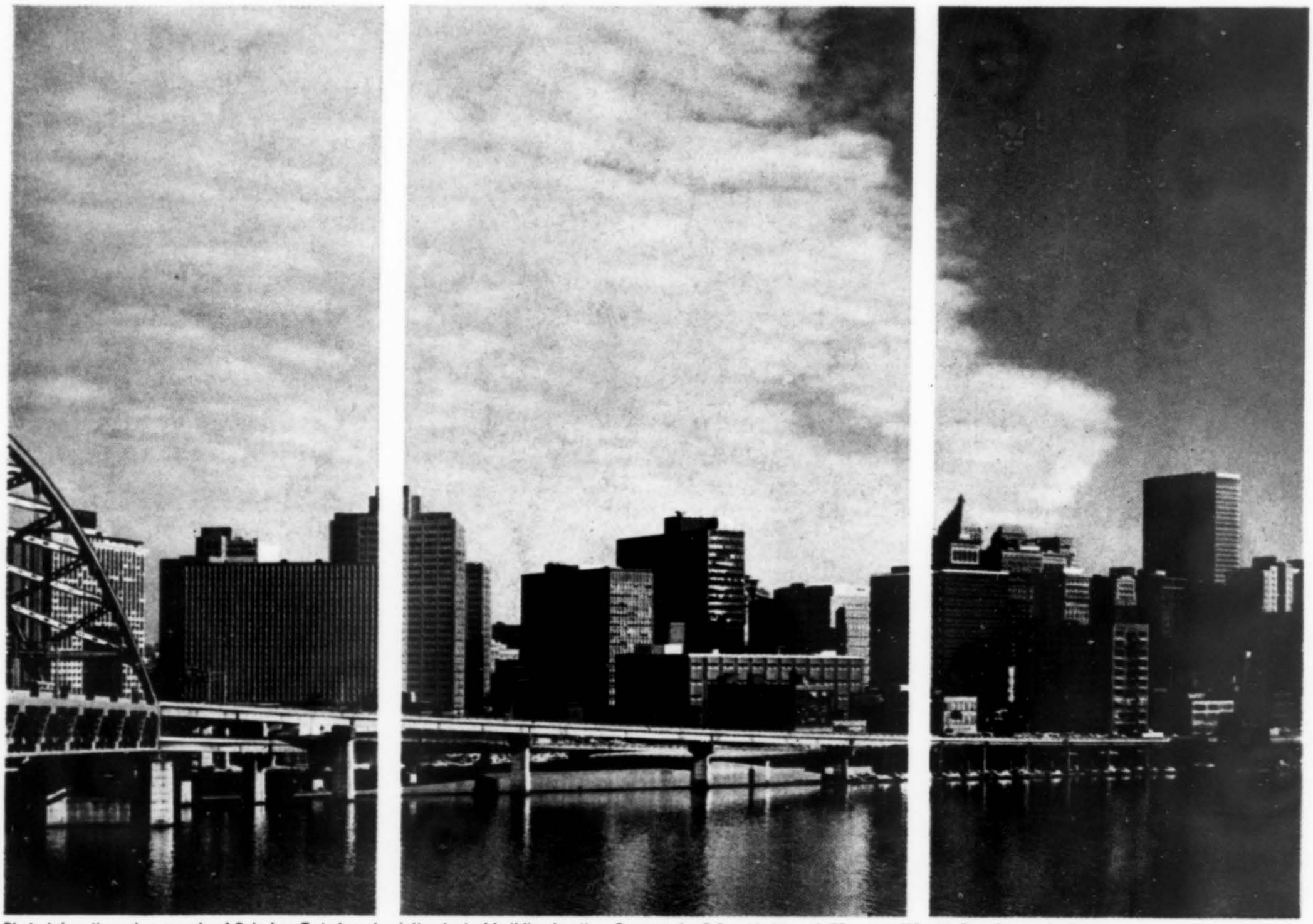

Photo taken through a sample of Solarban Twindow simulating typical building location. Camera: 4 x 5 Graphic-View, 1/25 sec. at f18 with Ektachrome daylight.

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
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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Chart, left, shows industry's most complete line of environmental glasses.

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