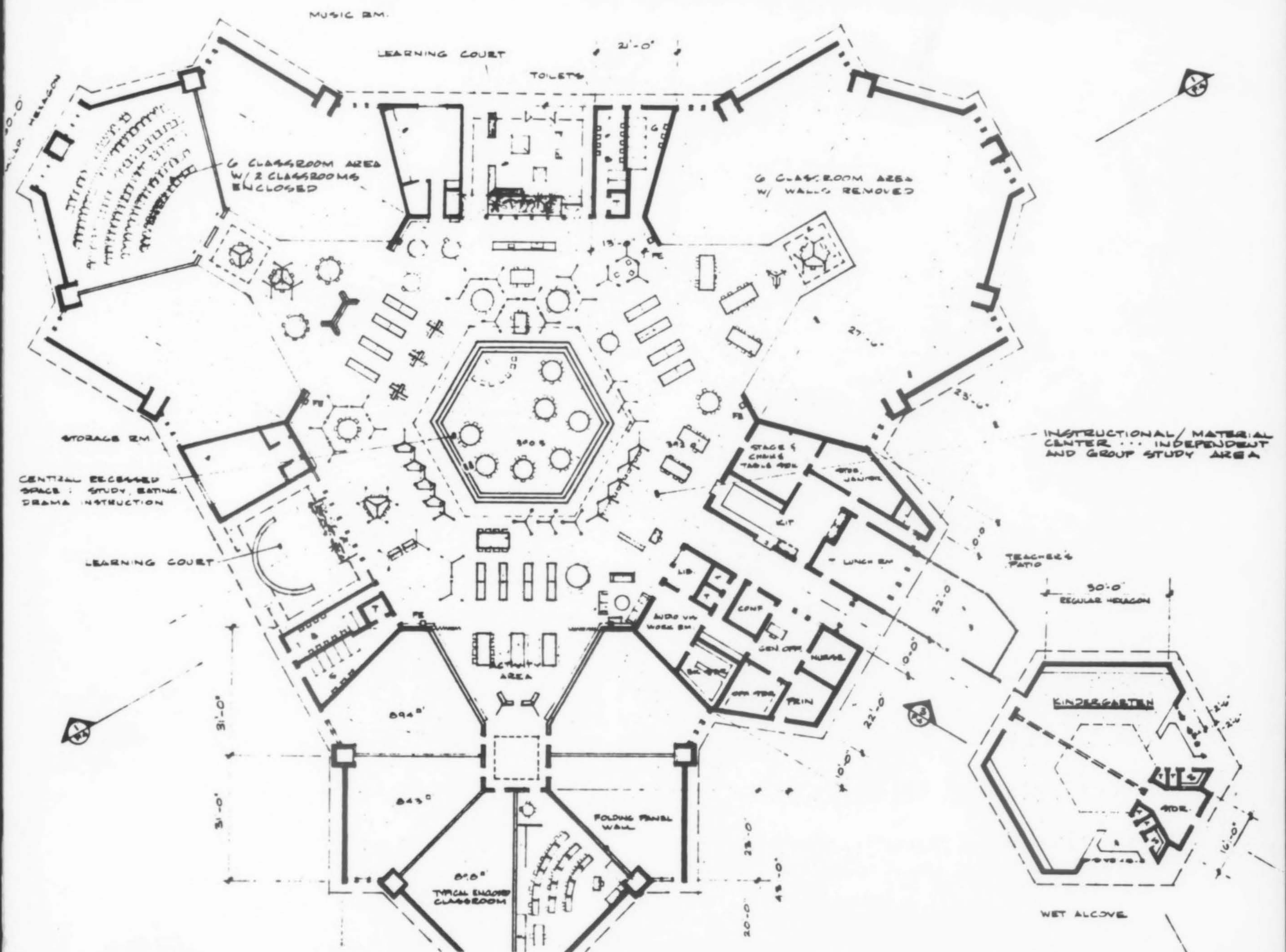


Architecture / West

THE ONLY MAGAZINE DEVOTED EXCLUSIVELY TO WESTERN ARCHITECTURE

SEPTEMBER 1969





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Architecture/West

September 1969

Volume 75, Number 9

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- 14 WHERE THE ARCHITECTS HANG THEIR HATS
Tucson, Arizona; Blanton & Company
- 16 ASPEN HIGH SCHOOL
Aspen, Colorado; Caudill Associates
- 18 CHARLES WRIGHT ACADEMY
Tacoma, Washington; Alan Liddle
- 22 CLARENCE A. DICKISON ELEMENTARY SCHOOL
Compton, California; Carmichael-Kemp
- 24 JOHN F. BALDWIN ELEMENTARY SCHOOL
Danville, California; Aitken/Collin & Associates
- 27 PROSPECT VALLEY ELEMENTARY SCHOOL
Wheatridge, Colorado; Rogers/Nagel/Langhart
- 30 WILLIAM H. TROGDON RESIDENCE
Spokane, Washington; William H. Trogdon
- 33 METHODS AND MATERIALS: INTERLAKE HIGH SCHOOL
Bellevue, Washington; Gayne Jones & Associates

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- 4 NEWS HIGHLIGHTS
- 8 Preview
- 32 PRODUCTS IN ACTION: Libbey-Owens-Ford glass
- 33 PRODUCT HIGHLIGHTS
- 35 Literature
- 36 Producers
- 37 NOT SPECIFIED

THE COVER: Prospect Valley Elementary School, Wheatridge,
Colorado; Rogers/Nagel/Langhart, architects. Page 27.

A/W News Highlights

Southern California AIA Moves Via Horse-Van to New Office

THE SOUTHERN CALIFORNIA Chapter, AIA, used horses and wagons to dramatize the move to its new headquarters in Los Angeles' architecturally famous Bradbury Building. The moving equipment was used to underscore the fact that the 75-year-old professional organization was moving into a 76-year-old landmark building, newly restored.

The 1000-member group, second largest in the nation, is the first major



new tenant in the building. Accompanying chapter president Robert Bolling (shown unloading van in photo) were Michael Elliott, executive director of the chapter (in wagon) and David Witmer, FAIA, 81, who is the chapter's oldest living ex-president.

Graduate Planning Program at USC Changes

THE GRADUATE Program of Urban Regional Planning at the University of Southern California will become a separate academic unit in USC's Von KleinSmid Center for International and Public Affairs, effective immediately. The program was formerly a part of the school of public administration, directed by Dr. Ira Miles Robinson who will now report directly to Dr. Henry Reining, Jr., dean of the Von KleinSmid Center, and Sam T. Hurst, dean of the school of architecture and fine arts. The two deans have joint responsibility for the planning program. Planning degrees will continue to be granted jointly by the two schools. USC is the only college or university in Southern California which awards a recognized professional degree in planning.

Since 1955 USC has offered a Master of Science degree in city and regional planning; two newer degrees of Master of Planning (urban and regional environment) and Master of Planning (urban ecology) began in 1967.

100th Anniversary Marked

AN ARCHITECTURAL exhibition marking the 100th anniversary of Robert Clements & Associates, the oldest continuing architectural firm in Los Angeles, will be presented at the Building Exhibition Center, 7933 West Third Street, Los Angeles, all through September.

San Francisco Architects Withdraw from Berkeley Project

SAN FRANCISCO architects McCue, Boone & Tomsick, have withdrawn from design of the University of California's student housing project for the so-called "People's Park" in Berkeley, because the university made no provision for a user-developed park at the site. McCue, who is chairman of the department of architecture at the university, said the present plan is contrary to the current direction of urban design in this country. Students and "street people" had urged development of recreation facilities by people in the neighborhood. The university regents have voted to begin construction in one year but specifically voted down proposals that would open part of the site to a community-organized park.

AIA Undertakes Highway Study, Advisory Plan

THE STERN FAMILY Fund, a New York City based foundation, has granted the American Institute of Architects \$10,000 to be used to study the best highway design in the planned federal highway system's road web to be built between 1975-1985. Architects have been critical of freeways which damaged cities by splitting neighborhoods and wasting land. They point out that the \$62 billion Interstate road network authorized by Congress in 1956 had little or no contribution from architects.

The Urban Design Committee of the AIA has embarked on a study and action program to help guide the post-Interstate roads. In addition to the grant, Institute funds will be used to advise Congress, government agencies and the public. The AIA wants Congress to enact highway legislation that will allow design by teams of architects, engineers, planners and social scientists. They also want to encourage joint use of highways with other construction such as schools, industry, stores and housing so as to conserve land and tax resources for American cities.

Liability Loss Prevention Seminars Planned

A SERIES of seminars on professional liability loss prevention for design professionals will be conducted, beginning in mid-September, by the San Francisco-based firm, Risk Analysis and Research Corporation. Four of the two-day seminars will be held in the West: Seattle, September 12-13, Hyatt House; Honolulu, January 9-10, Kahala Hilton; Los Angeles, January 23-24, Wilshire Hyatt House; Burlingame, February 20-21, Hyatt House.

The seminars are a pioneering effort to give design professionals a better understanding of the non-technical aspects of their practice. Consultants skilled in management, business and human behavior disciplines will demonstrate techniques useful in encouraging a more conscientious and higher quality employee performance. Selected areas of tort and contract law will be presented in non-legal terms. Registration will be limited. Further information is available through RAR, One Maritime Plaza, San Francisco 94111.

Noise Control Seminars Set for Seattle, Denver

TWO-DAY SEMINARS on "Noise and Vibration Control in Buildings" will be given by Bolt Beranek and Newman, Inc., in Seattle, October 1-2, and in Denver, October 20-21. The seminars will be conducted by Laymon N. Miller, principal consultant of BBN and guest lecturer at the summer courses in noise control at MIT. Covered in detail will be acoustics terminology, sound transmission and transmission loss, acceptable noise levels and protection of hearing; airborne noise from mechanical and electrical equipment and control applications and procedures; vibration control for mechanical and electrical equipment, and protection against noise and vibration from transportation systems.

All information on seminars can be obtained from Bolt Beranek Newman, 50 Moulton St., Cambridge, Mass. 02138, attention Frank Sirois.

Building Products Fair

THE FIRST Building Products Fair, sponsored by the Monterey, California chapter of the Construction Specifications Institute, is scheduled for the Monterey County Fairgrounds, Monterey, November 13.

Northwest Region AIA to Convene at Salishan

"WOOD, BRICK & STRAW", theme of the 1969 Northwest Regional AIA conference will explore architecture, craftsmanship, communication and the skills of the present to meet the intentions of the future. The conference will convene at Salishan, Glenedeu Beach, Oregon, October 10-14. Speakers will include Francis D. Lethbridge, FAIA, national vice president; Paolo Soleri; Philip Meathe, FAIA; Peggy Grant and Charles Eames.

Open Space Conference at Estes Park, Colorado

THE SIXTH Open Space conference will be held at the YMCA of the Rockies, Estes Park, Colorado, September 20-21. It is sponsored by the Colorado Mountain Club, in cooperation with the Rocky Mountain Center on Environment and the Colorado Open Space Foundation. Speakers will present a program in three major areas of concern: pollution, planning for mountain landscape and the human carrying capacity of the "Good Earth." Reservations: Rocky Mountain Center on Environment, 5850 E. Jewell, Denver 80222.

"Earth/2000" Theme of CCAIA Annual Convention

"EARTH/2000" is conference theme for the 24th annual California Council, AIA, convention October 15-18 at the El Mirador Hotel, Palm Springs, California. The convention subject will serve as a preview of what experts from the fields of oceanography, conservation, urban planning, sociology and other sciences believe our earth will be like in the 21st century.

Civic Center Competition Book Published

THE STORY of the largest Class "A" competition ever held—the Birmingham-Jefferson Civic Center national architectural competition — has been published as a comprehensive reference document. Included are 278 designs for performing arts/mass-entertainment/convention centers, with plans, elevations and perspectives. Large-scale photographs of the eight finalists' models are also shown, along with the full jury report.

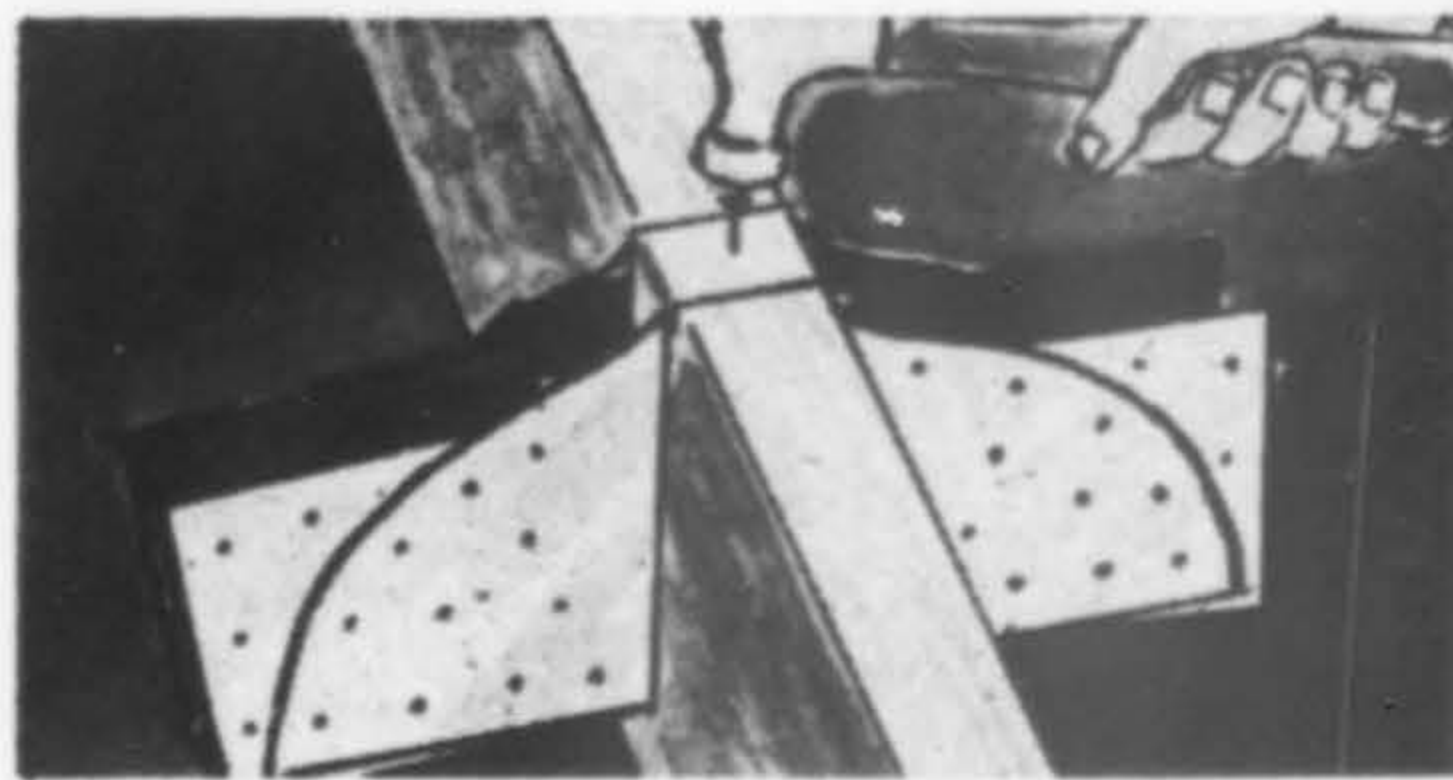
The 314-page, hard-cover book, published by Oxmoor Press, is available for \$25 from Birmingham-Jefferson Civic Center, 1930 Eighth Avenue North, Birmingham, Alabama 35203.

Early American Home Plans Being Sought

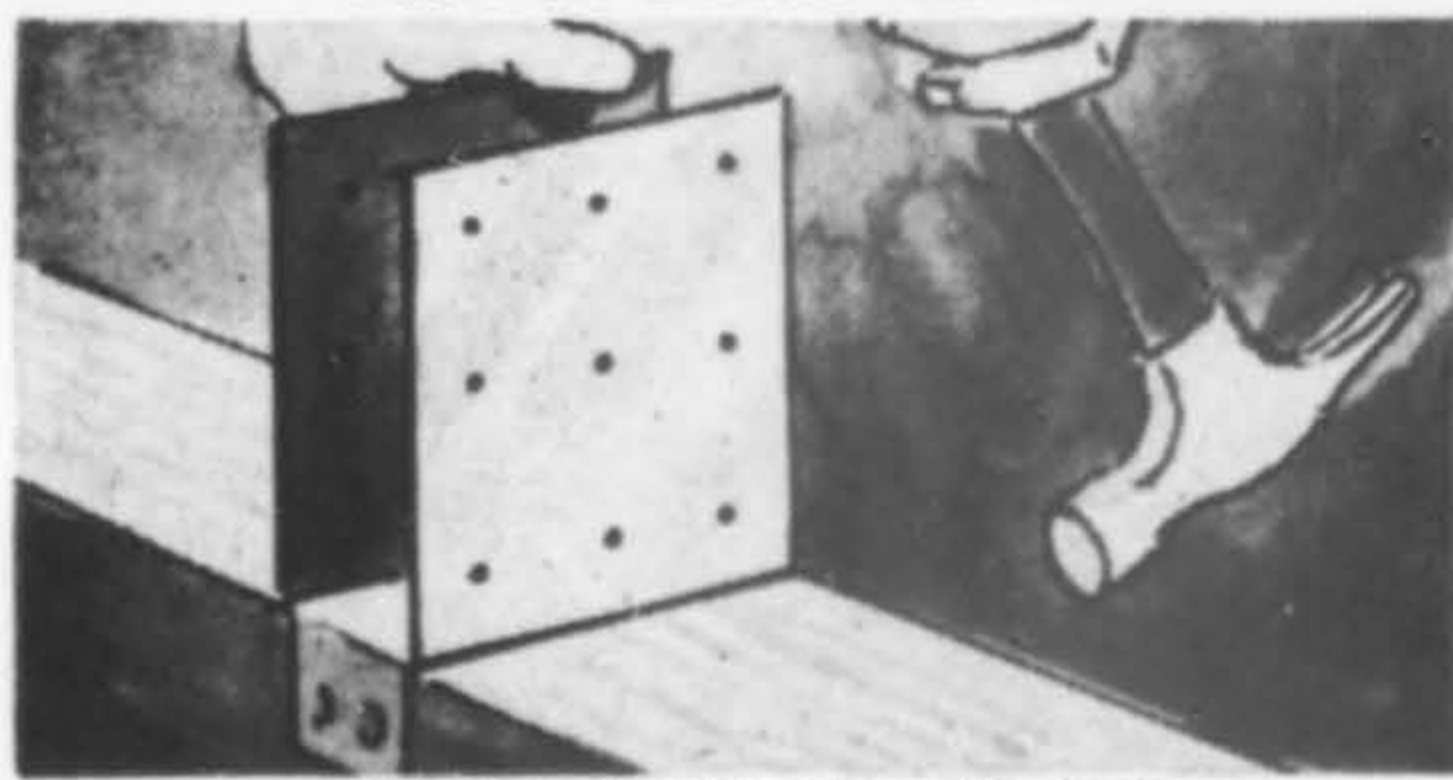
A NEW BOOK, featuring Early American home plans, is being prepared for spring 1970 publication by the Early American Society. The goal is 200 plans and the society is in need of plans, elevations, photos and sketches with general descriptive material. There is no charge or obligation to the architect and inquiries will be sent directly to the architects whose names, addresses and plan costs will be given with each plan. Material is due no later than December 31 and should be sent to the EAS at 101 W. Bevrige Road, Richmond, Va. 23226.

48th Annual Meet of PC Set for San Francisco

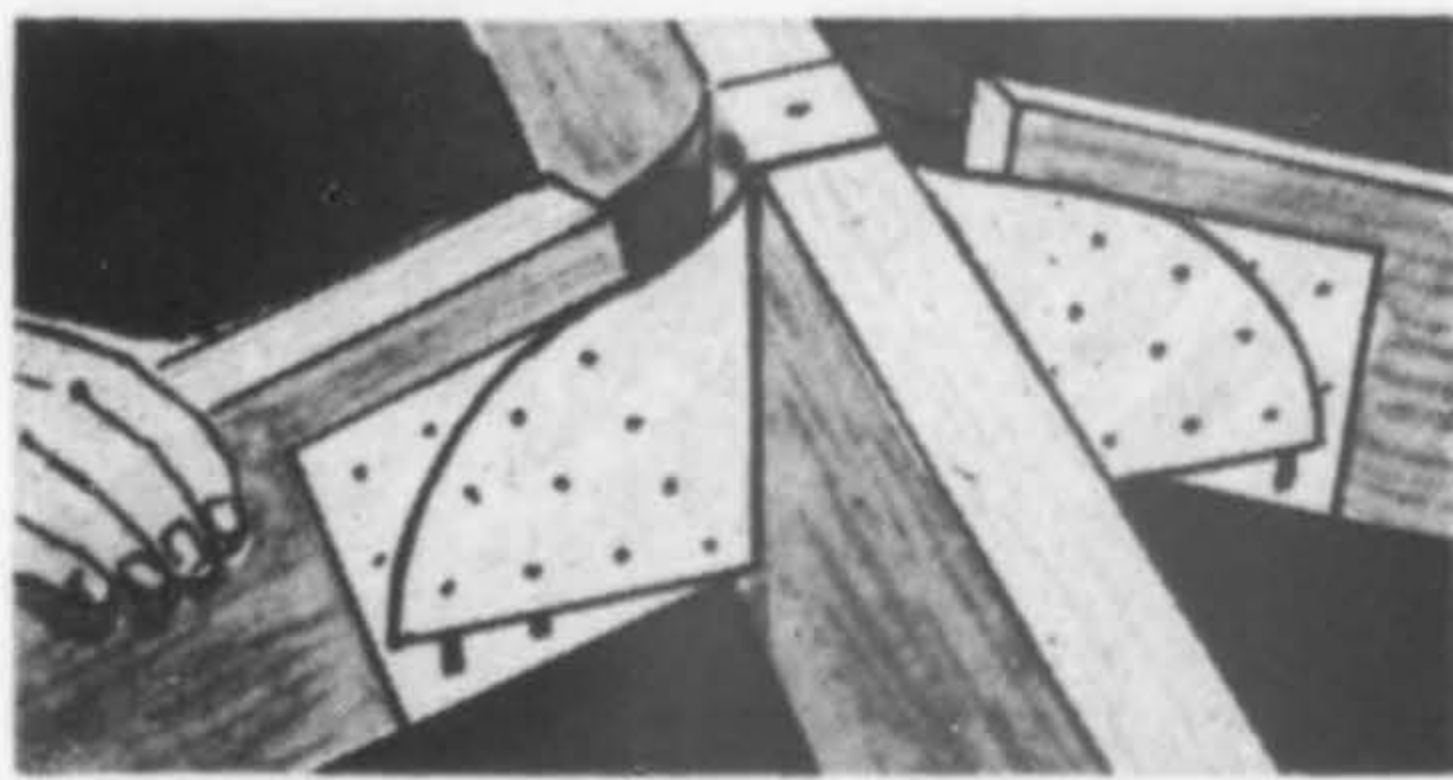
"THE NEW AGE of Building" sets the theme for the 48th annual meeting of the Producers' Council, Inc., September 16-19 at the St. Francis Hotel, San Francisco. Rex Whitaker Allen, FAIA, president of the American Institute of Architects, will keynote the conference which will stress the capability of the construction products manufacturer to meet the technological, production and management challenges of the 70's. John Baldwin is program chairman.



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Computing Research Systems Offers National Services

COMPUTING Research Systems Corporation (CRS2), a firm devoted to the development and installation of computer software for design firms, agencies and institutions engaged in space planning, began offering services on a national level on July 1, 1969. CRS2, an affiliate of Caudill-Rowlett-Scott, architects and engineers of Houston, New York and Hartford, is headed by Robert F. Mattox, AIA. Headquarters are in Houston.

The services are directed to architects, campus planners, education consultants, colleges and universities, health facilities consultants and designers, housing oriented governmental agencies, and real estate developers. Applications currently in inventory include construction specification systems, cost estimating systems, campus plan programming systems, construction economic feasibility studies, management information systems, housing feasibility studies, and health facilities planning systems. In addition to computer applications, CRS2 provides consulting services and custom software development.

Aspen, Colorado Crusades to "Save Our Station"



CITIZENS of Aspen, Colorado, as well as railroad buffs around the country, have joined a "Save Our Station" crusade to preserve the historic Old Railroad Station, as it is affectionately known in this resort town. The station, built about 1880, has been in its present location for some 45 years. Building owner Richard M. Moore has been given orders to move the building from the Denver & Rio Grande Western Railroad yards by October 1st. The property is to be surveyed for commercial development. Proponents of saving the station point out that there are a limited number of old railroad buildings in Colorado and most of those are in poor condition. The present owners have maintained the station and Aspenites feel that the station should be retained in its present location as a tourist attraction as well as providing an insight into the past for future generations.

Sign Controls Enforced in Portland, Oregon

BUSINESS FIRMS in Portland, Oregon's sign control zones have been given a 90-day extension past the July 1 deadline to either modify or remove non-conforming signs. The ordinance permits only non-flashing, non-moving signs with a maximum size of 250-sq. ft. Signs are limited to 100-sq. ft. if within 100-ft. of a designated bridge or freeway approach. The July 1 deadline applied only to signs along the Baldock and Banfield freeways and bridges across the Willamette River. The S-zone ordinance was adopted in 1959 but businesses were given 10 years to conform.

Denver's Larimer Square Threatened by Renewal

FURTHER DEVELOPMENT of Denver's historic Larimer Square appears threatened by the city's planned Skyline Urban Renewal project. Plans of the Denver Urban Renewal Authority (DURA) call for total redevelopment over the area between Arapahoe, Larimer, 15th and 18th streets, with elevated pedestrian plazas, walkways between the highrise buildings, with traffic at street level under the plazas, and widening of the 1400 block where Larimer Square is located. Landmark buildings in the area will be demolished under the proposal, but actual demolition has been deferred until it has been established that the redevelopers will implement all proposals in the recommended plan.

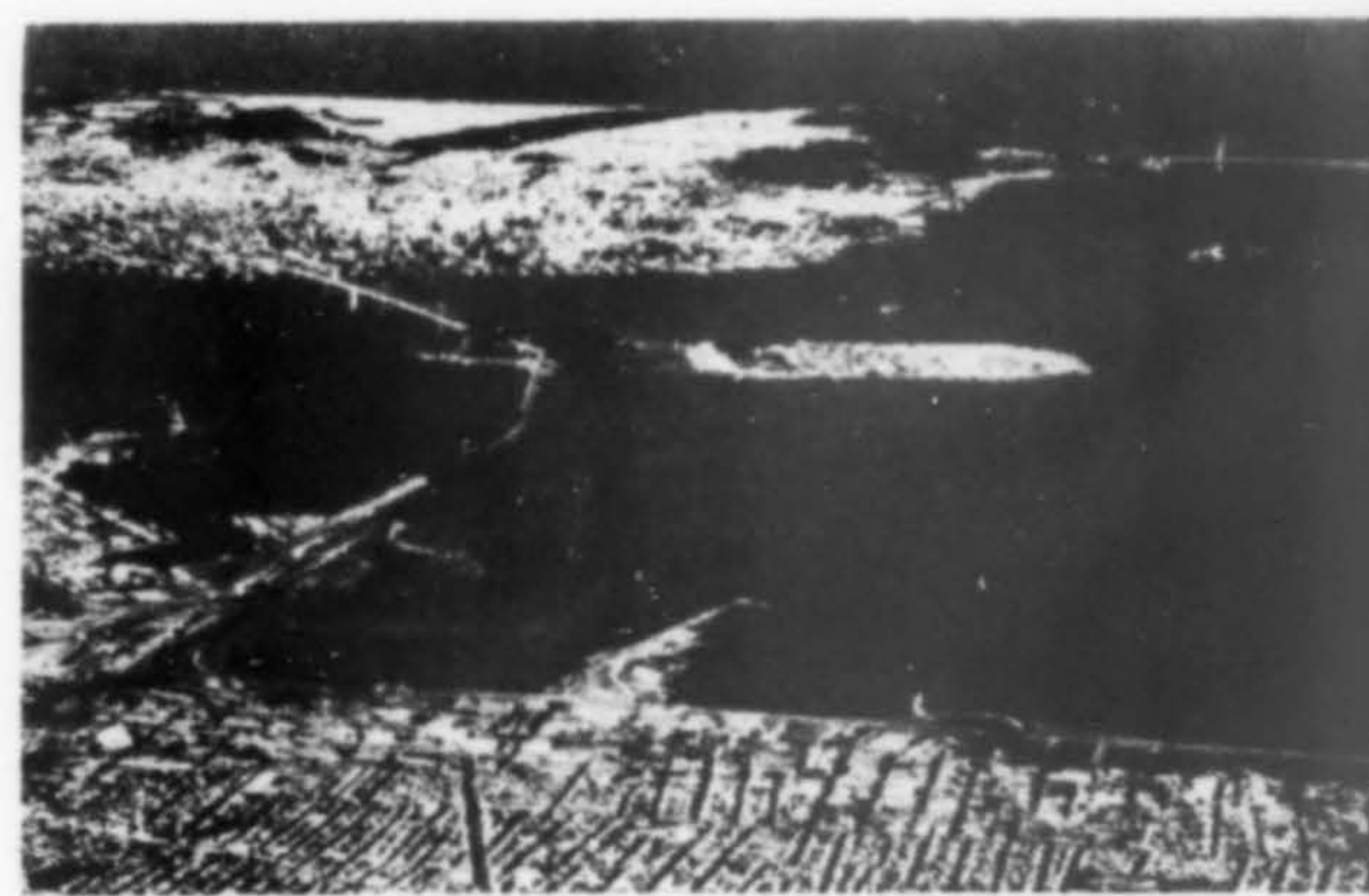
Port Hueneme Site Undergoes Redevelopment

REDEVELOPMENT of a 23-acre site in the old downtown section of Port Hueneme, California, will involve an \$8 million contract for design and construction of multi-family housing. The contract, awarded to the Sheldon L. Pollack Corporation by the Port Hueneme Redevelopment Agency, covers 400 units with two, three and four bedroom plans. Construction has begun on the first phase (119 units) incorporating parking on the second level with walkways up and down to the apartments.

\$13 Million Shopping Center Planned for Arizona

VALLEY WEST, a proposed \$13 million shopping center, has been announced for Glendale, Arizona, close to Phoenix. The 61-acre site is part of the historic Sands' Manistee Ranch. Ground will be broken for first construction by the first of the year.

\$100 Million Development Planned at Emeryville



\$100 MILLION diversified development of approximately 60 acres of land, extending into San Francisco Bay from the town of Emeryville, will provide public recreation, coupled with office and apartment facilities and allied services. The property was purchased from Fibreboard by F. P. Lathrop (owner of F. P. Lathrop Construction Company) and Matthew H. McCloskey. Fibreboard has retained ownership of 63 acres adjacent to the property. Architects and planners Wurster, Bernardi & Emmons, Inc., have been retained to design a master plan.

Commercial Building Hot Market for 1969 is Forecast

NON-RESIDENTIAL building will be the hottest construction market this year according to the latest F. W. Dodge construction outlook. A gain of seven percent over 1968 is forecast. It is expected that the total for the commercial building category, which includes office buildings, stores and warehouses and other commercial structures, will top last year's contract value by as much as 18 percent, largely due to the first half of the year lead.

1980 Economy Predictions

RAY JALLOW, vice president and chief economist for the United California Bank, predicts that California's 1980 economy "should be as big as that of the entire United States in 1947." He also predicts that within ten years the average California family will have an income of \$23,500 or 24 percent higher than that in the rest of the United States and more than double the \$11,500 level for the state in 1968.

Washington State Population Up

THE POPULATION of Washington State, as of April 1, 1969, was 3.417 million as compared to 3.292 million on the same date last year. Largest gains were in King County (encompassing Seattle), Pierce and Spokane counties.

Hawaiian Construction Figures Show Gain

CONSTRUCTION put in place in Hawaii during the first four months of 1969 amounted to \$179.3 million, up 34.3 percent over the corresponding period in 1968. Building permits issued by the city and county of Honolulu for the first five months of 1969 totalled \$161.6 million as compared to \$91.3 million during the same period last year.

Illustrator Turns Talents to Underwater Painting, Writing

AN ARCHITECTURAL illustrator, Frank Murdock of Bellevue, Washington, has added still another facet to his talents: underwater painting which has become the basis for a new book now under way. He has turned both his skin diving hobby and his artistic talents to capturing sea life on his drawing board.

Preliminary impressions are made underwater on a piece of masonite that



has been treated with sizing, and using a carpenter's pencil. Paintings are completed in his studio, in water-soluble acrylics.

The photo below is best explained in this quotation from the book: "The stiletto beam of my light finds a basket-star fish. I am startled, in the pitch of night, at this creeping nomad."



Aspen Conference Boasts Record Attendance; Explores Shortness of "Rest of Our Lives"

THE ASPEN International Design Conference this past June boasted the largest attendance ever recorded, more than 1000 conferees. Participants came to hear 18 speakers, from almost as many disciplines. explore "The Rest of Our Lives" and, ironically, found that to be only the next decade or so. Of special impact was the stark sculpture, described as embodying the current state of contemporary design, put together by Northern Illinois University students under a grant from the Graham Foundation for Advanced Studies in the Fine Arts. The work was a mass of junked cars, discarded toilets, sinks and old tires, sprayed white.

The five-day session was under the co-chairmanship of Ivan Chermayeff and Henry Wolf. The 20th annual conference, June 1970, will be co-chaired by Lawrence Halprin and Stuart Udall. Conference president Eliot Noyes was re-elected for another term.

Brief quotes or summation of speakers follow:

PETER USTINOV, *actor-playwright*

"The arbiters of taste, verbal, musical, graphic, filmic, architectural, comic and tragic, poetic and prosaic, are those who give an age its tangible character and eventually they are the caretakers of its nostalgia."

GEORGE NELSON, *architect-designer*

"Living is a group performance of very uneven quality, played out in time by several billion amateurs, none of whom ever saw a script or got to a rehearsal . . . Success and the easy half-life are the only things the human animal has never learned to cope with . . . We need a new-style Circe able to turn pigs into men, and men into planetary gardeners".

DWIGHT MACDONALD, *political-social critic*

Proposed ten amendments to the American Constitution which, he believes, will be implemented by the year 2000. Among them: abolishment of the presidency to be replaced with a parliamentary-type government; abolishment of present political state boundaries and the creation of regions and city-states; establishment of a national committee to slow down the progress of progress.

FRANK STANTON, *president, Columbia Broadcasting System*

A revolution in our way of looking at life will come about through communications. He predicted that communica-

tions in the future will be "atmospheric in its pervasiveness", and foresaw the day when television sets would be in every room, every car and even on almost every person.

ANTHONY WIENER, *chairman of research, Hudson Institute*

Questioning whether we are indeed reaching "better living through chemistry", he categorized today's major problem as being "soma versus savage." "What does our accumulation of knowledge mean other than a Faustian bargain with the devil to sell our souls? After bargaining for all the knowledge we can get, we have also agreed to assume responsibility for the consequences. What is a human being? How does he relate to other human beings? And what is the meaning and purpose of human life?"

RENE JULES DUBOS, *micro-biologist and author*

Too many speakers concentrated upon the trivial and destructive aspects of modern society. He criticized the illusion, expressed time and time again, that in reality the rest of our lives is more or less predetermined. The future is shaped by unpredictable decisions that are made at every existential moment by free human beings who enjoy the possibility to choose . . . "I have the feeling you have been betrayed. You are not being told what you can do. Your confidence in yourself is being betrayed".

REVEREND WILLIAM SLOAN COFFIN, JR., *civil rightist and chaplain, Yale University*

Delivered a message of human priorities and spiritual commitment to the delegates. The institutional church in the past has too often mounted the barricades facing the wrong direction, but spiritual insights are vital for enlightened action. "You're darned right the church is a crutch. What makes you think you don't limp"?

BALKRISHNA V. DOSHI, *director, school of architecture, Ahmedabad, India*

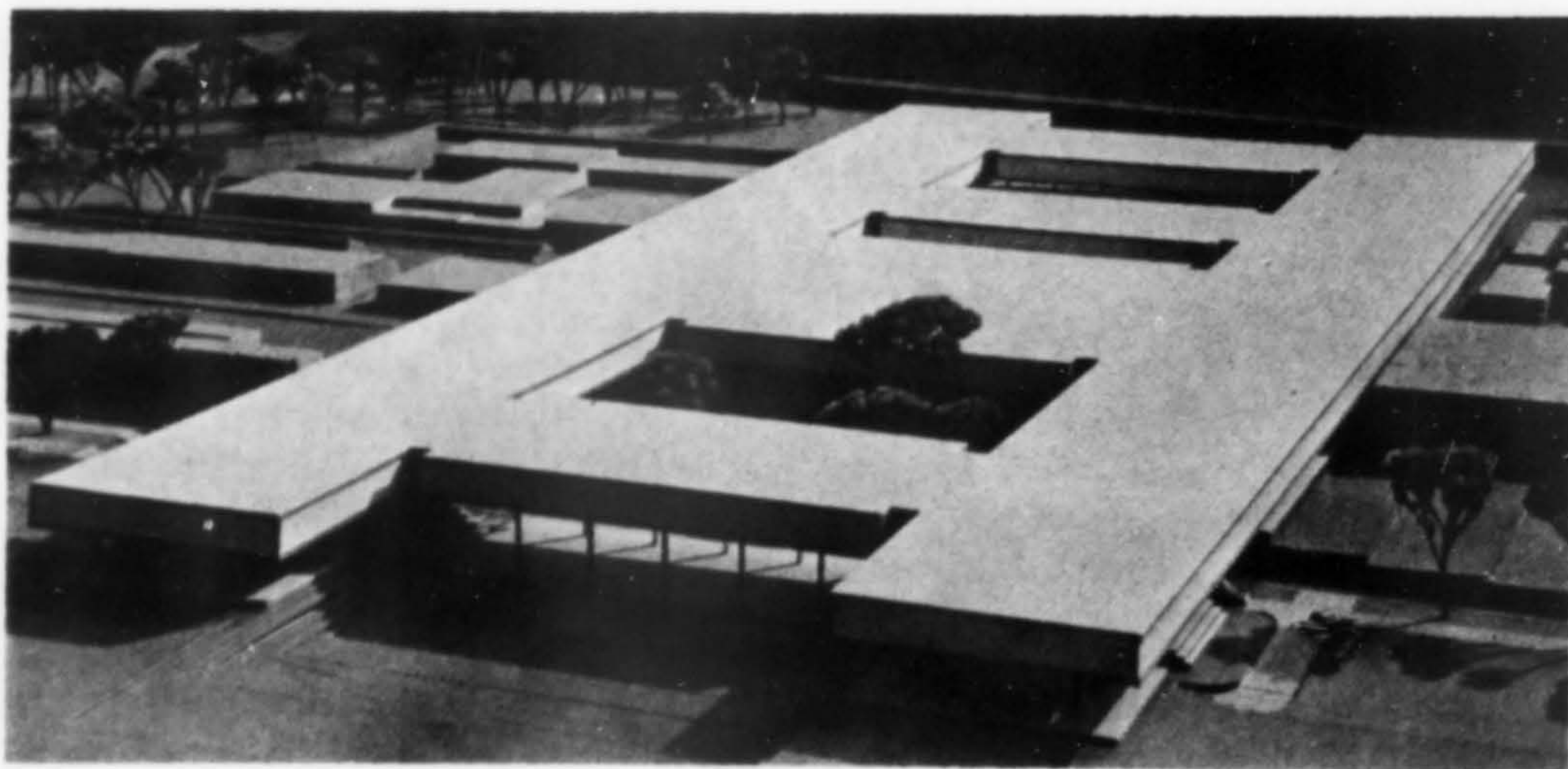
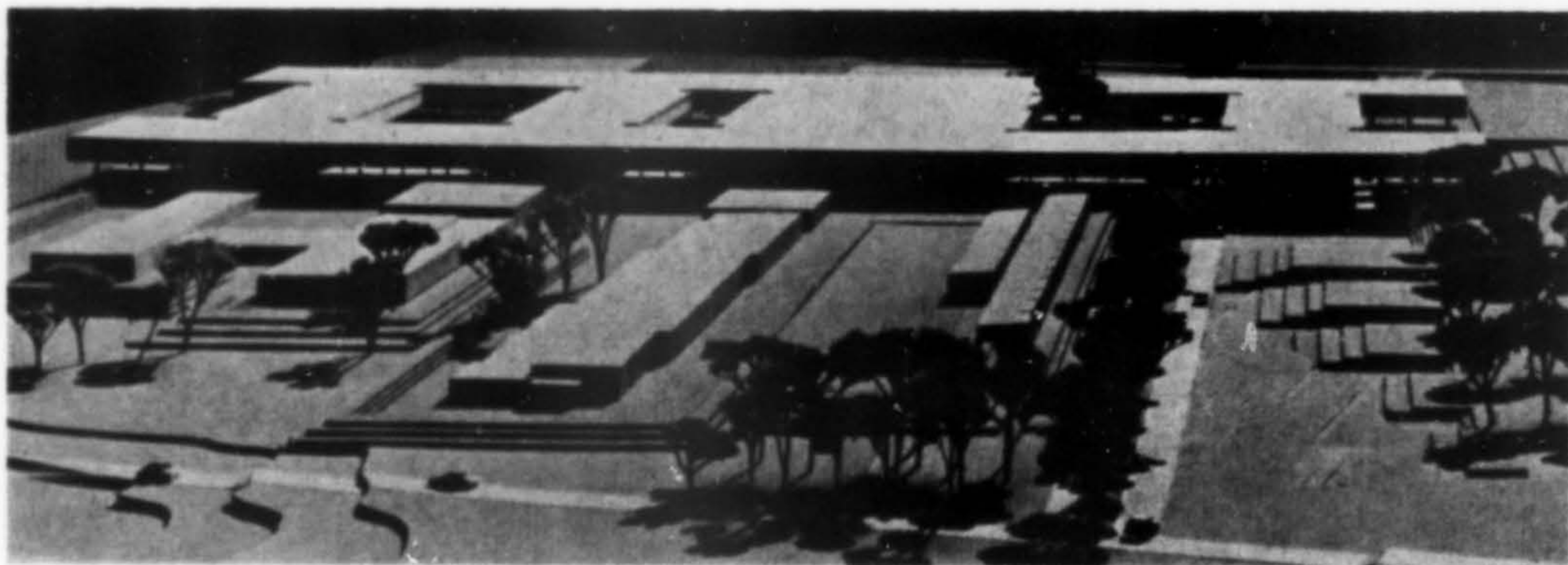
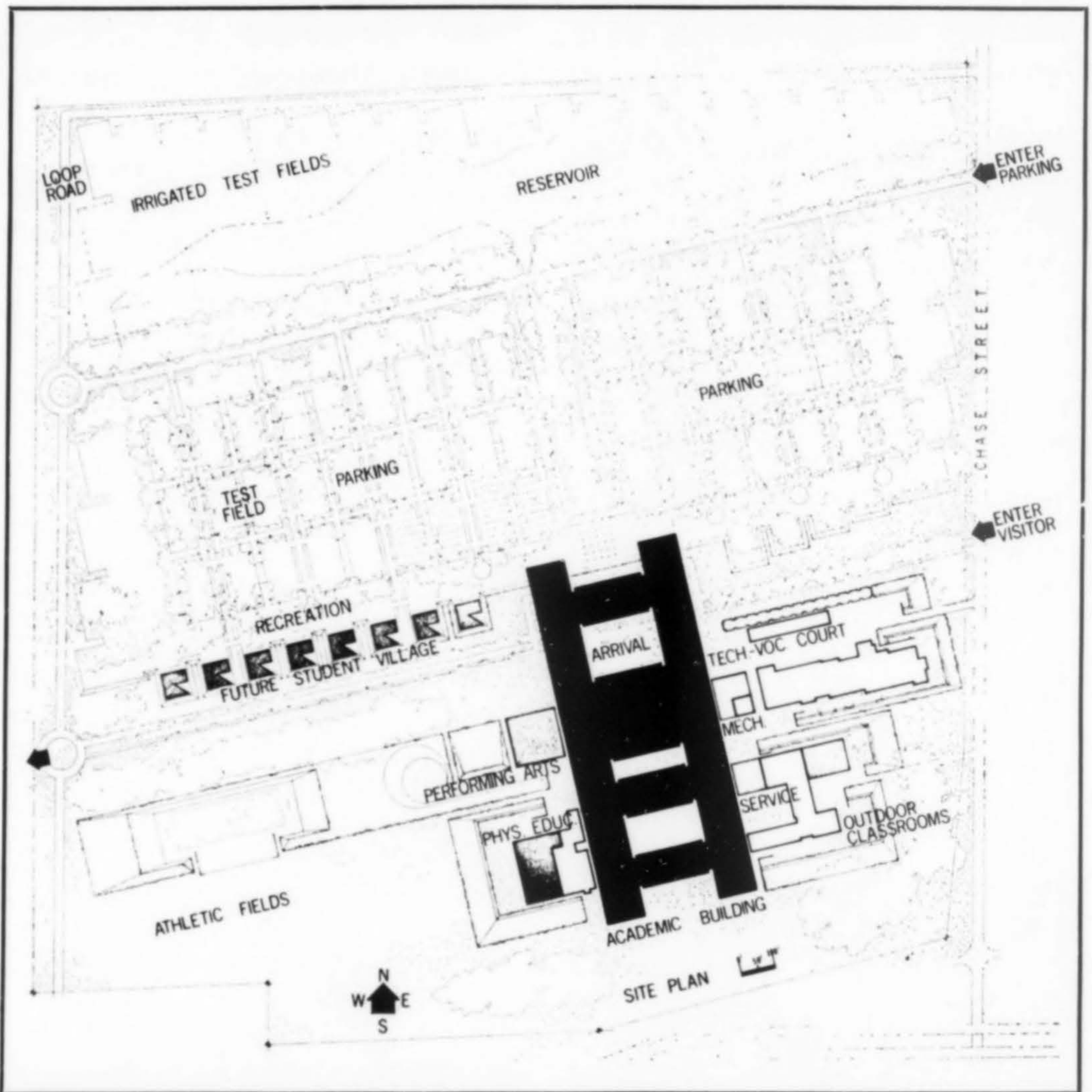
Rural planning for the forgotten man in primitive villages is the key task of the architects of the world for the rest of their lives. Yet unless there is a fundamental change in human outlook, no architect, engineer, scientist or technician can bring peace or happiness to humanity. Man must learn to curb his greed and use his skills on the material supplied to him by nature in a manner which allows his talent to be of service to mankind as a whole.

Preview

COLUMBIA BASIN COMMUNITY COLLEGE Pasco, Washington

COLUMBIA BASIN Community College serves the Benton-Franklin county districts, encompassing the Pasco-Kennewick-Richland (Tri-Cities) area of south central Washington. The existing college, located in Pasco on the Columbia River, has a total capacity of 1,000 students but is presently serving 2,100 in cramped quarters and classrooms. Architects Kenneth W. Brooks, FAIA, and Associates have provided both a short-range and a long-range program that anticipates a Columbia College East (present) and a future Columbia College West. A 1968-1971 budget proposes building, site development, design and miscellaneous items for an estimated cost of \$5.2 million. The second phase, to be completed in 1978, would add another 275,600-sq. ft. with budget of \$11.8 million.

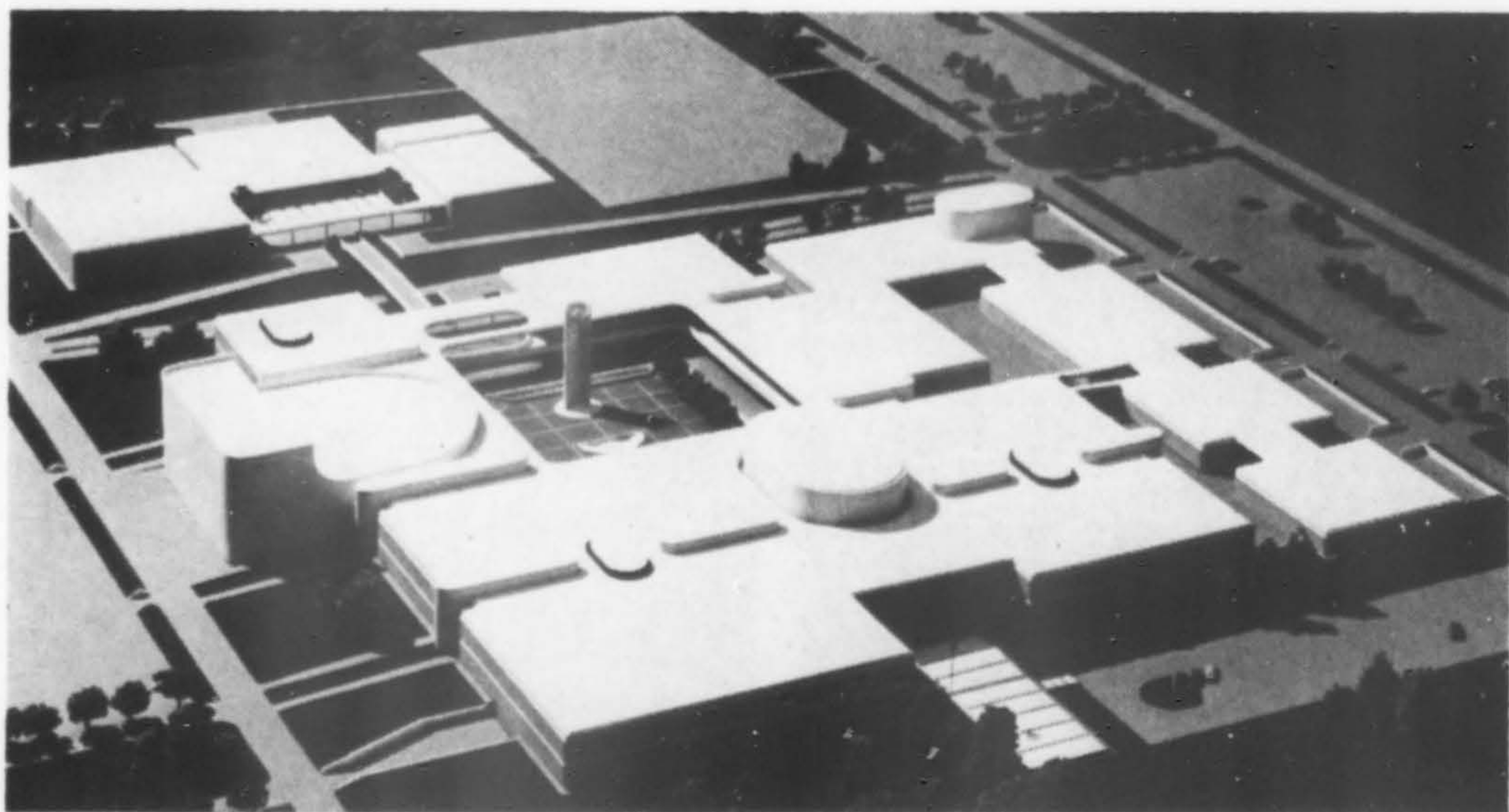
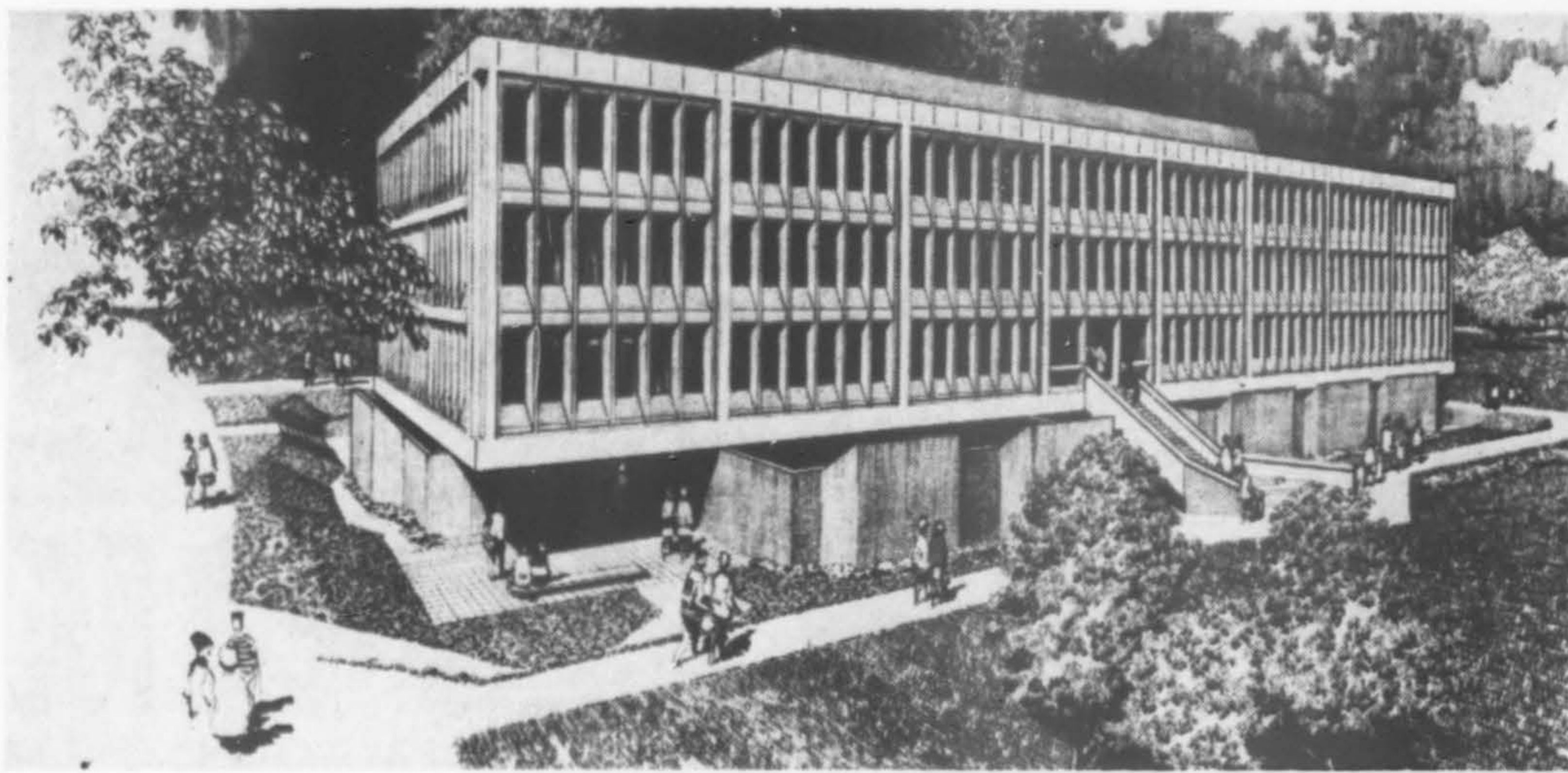
The first construction program includes a technical-vocational building, a performing arts center and a physical education building. Design is



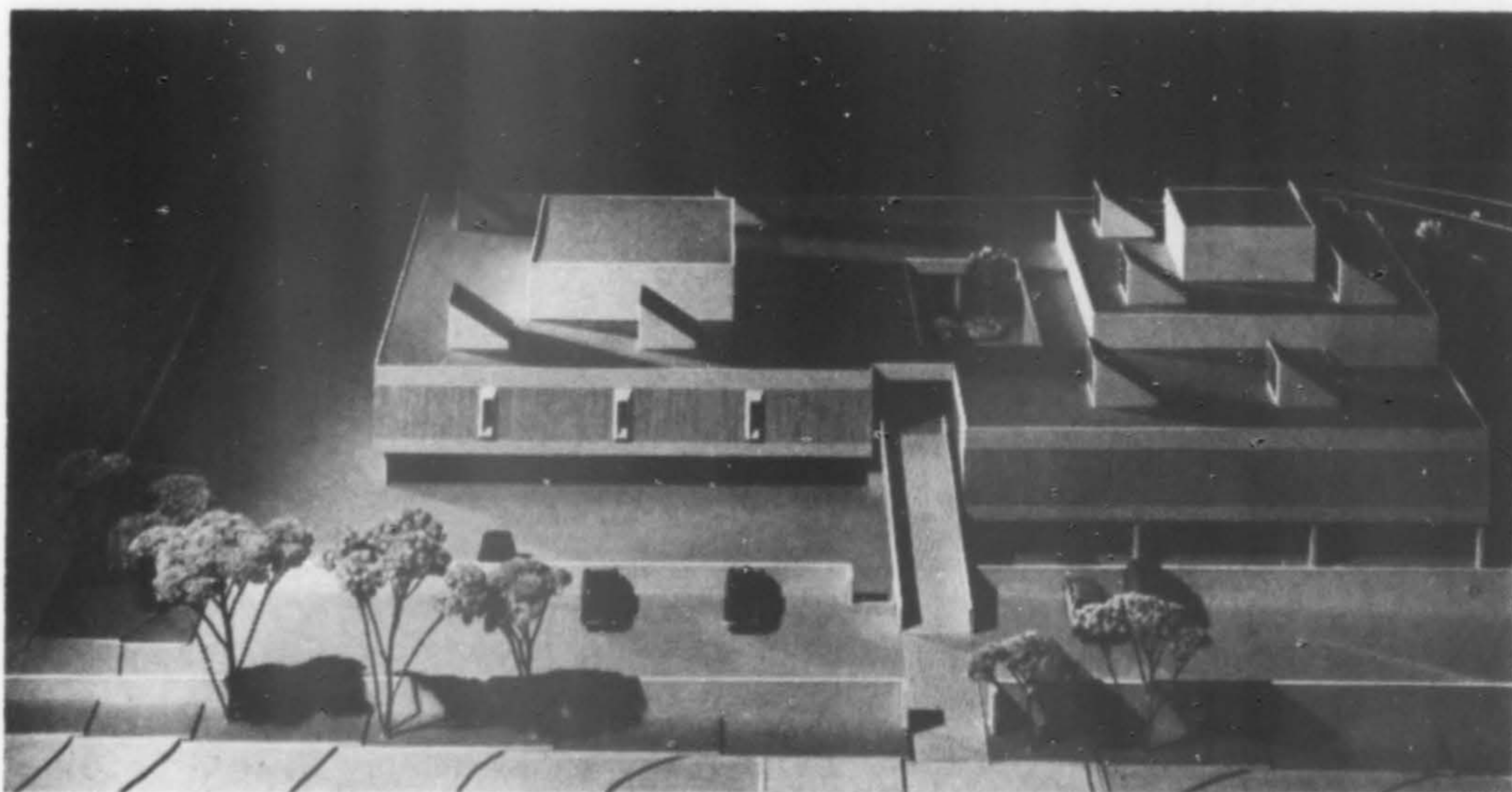
under way on these structures. (Dark areas on the plan show the proposed building program through 1978.) The program is kept tightly within the bounds of the current complex of buildings. Recreational facilities will include a lake in the present low ground area. The design team plans to incorporate this land sculpting and the landscaping program around the buildings into one of the initial capital improvement programs to bring the entire site into context with the growth concept. The proposal allows most of the present buildings to remain untouched. The environmental modification is found in the containment of buildings behind the landscape earth berms which perform as exterior "rooms" around the building and may be used for outdoor classrooms, displays or informal use. The berms will direct the wind up over the buildings to reduce dust infiltration.

The immediate short-range growth is based on a probable enrollment to 5,000 within the next 10 years, to be accomplished by developing Columbia College East on the present site, and in the future, develop a second college, Columbia College West, on the West bank of the Columbia River on a site to be selected between Kennewick and Richland. The two colleges would be tied together with a tree-lined boulevard along which would be development space for college-oriented industry and commerce.

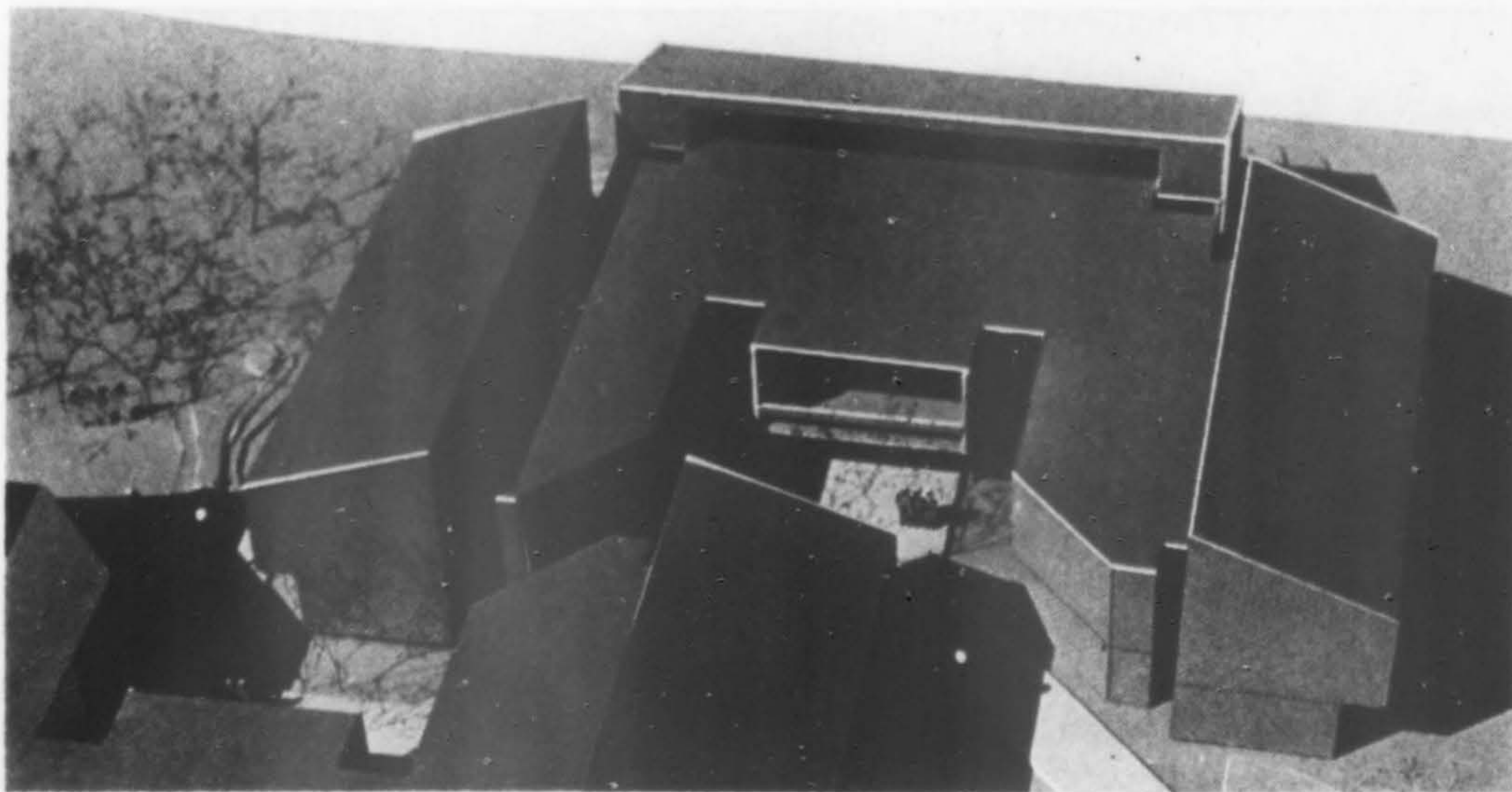
EDUCATION BUILDING, Sacramento State College, Sacramento, California, is a four-story building with 59,488-sq. ft. providing classrooms, faculty offices and laboratories. The building is reinforced concrete frame with precast concrete wall panels and exposed stone concrete walls at the ground floor. Estimated cost: \$1.9 million. Architects: Bull, Field, Volkmann, Stockwell, AIA.



LINN-BENTON Community College, Albany, Oregon, will be built on an elevated pad from borrowed earth with a man-made lake acting as a buffer between the adjacent highway and the campus. Main structure is a compact, two-level grouping of single-story buildings facing inward toward a central quadrangle. First phase facilities, to accommodate an enrollment of 1,500, will encompass 288,910 sq. ft. Ultimate campus development is planned for 3,000. Completion: first phase, January 1972. Cost: \$8.1 million. Architects: Jeppsen, Miller & Tobias; Daniel, Mann, Johnson & Mendenhall, development planners and consultants.



OFFICE BUILDING for American Red Cross, Seattle, will be a two-story structure of reinforced concrete with a metal deck and bar joist roof. Exterior walls will also be reinforced concrete with a reeded surface texture. At the upper level of the building, various offices will surround an open central court. On-site parking for approximately 96 cars is provided. Estimated cost: \$900,000. Architects: Grant, Copeland, Chervenak & Associates.



DORMITORIES, San Bernardino State College, California, will be built in eight two-story structures constructed in inter-relating clusters around courtyards. Each will combine bedrooms with separate living and study rooms for 10 students. Buildings will be of redwood and stucco with pitched tile and rock roofs. Occupancy: summer 1971. Estimated cost: \$2.5 million. Architects: Harnish, Morgan & Causey; Morganelli-Heumann, interiors.

Offices



BRENT, GOLDMAN

Architects STANLEY BRENT and RONALD GOLDMAN announce the formation of BRENT/GOLDMAN ASSOCIATES for the practice of architecture, planning and interior design with offices at 447 South Robertson Boulevard, Beverly Hills, California. Brent has headed his own firm, Stanley Brent Associates, for the past three years. Goldman has been an associate in the firm of Gruen Associates four years.

The San Francisco firm of Lanier & Sherrill, Architects and Planners, announces a change in firm name with the association of JOSEPH L. BOURG as a partner. The firm will be LANIER, SHERRILL & BOURG with offices at 149 Natoma Street. Bourg has been associated with Wurster, Bernardi & Emmons, Inc., since 1959.

David Sholder, AIA, Architect, Phoenix, Arizona, has named MRS. MARGIE B. SPAIN as an associate and announced a change in firm name to DAVID SHOLDER, AIA, ARCHITECT & ASSOCIATES. Mrs. Spain, the only woman architect in the Phoenix area, joined the firm two and one-half years ago. Offices were recently moved to 5201 North 7th St., Suite 200-B.

HERBERT K. CHIN announces the opening of an office for the practice of architecture at 220 S.W. Alder, Room 511 of the Educational Center Building, Portland, Oregon. Chin was formerly chief designer for the firm of Hewlett & Jamison, Architects, Portland.



The Seattle offices of DORMAN/MUNSELLE, AIA, Los Angeles, under the direction of Fred Orr, vice president, will be located at 1001-Fourth Avenue. He was formerly with Welton Becket & Associates.

Architect PHILIP THOMPSON announces the opening of an office, ENVIRONMENTAL COORDINATORS, at 429 S.W. 4th Avenue, Portland, where he is associated with DAVID E. THOMPSON, landscape architect. Philip Thompson was associated with John Storrs, Architect, prior to opening the new office.

Honolulu architect THOMAS WELLS has announced the reorganization and expansion of his firm under the name of THOMAS WELLS & ASSOCIATES, ARCHITECTS. DAVID W. CURTIS has joined the firm as principal in charge of overall administration, coming from Newport Beach, California, where he was a partner in the firm of William Blurock & Partners. Also associated in the new firm are REMO PATRI who will be responsible for contracts and construction supervision, and NORMAN LACAYO, in charge of design development. Offices are at 320 Ward Avenue, Honolulu.

A. BERNARD YORK and KARL R. WILLIAMS, Boise, Idaho architects, announce the formation of a new partnership, YORK & WILLIAMS, ARCHITECTS. Offices are at 919 North 27th. York has been in private practice since 1964 and Williams has worked with California and Idaho architectural firms the past 10 years.

WALLACE P. HAGESTAD, architect, has joined the firm of Schmeer, Harrington & Bana, and the name has been changed to SCHMEER, HARRINGTON, BANA, HAGESTAD, ARCHITECTS & PLANNERS. Offices are at 907 Oregon Bank Building, 319 S.W. Washington Street, Portland, Oregon. Hagestad has maintained his own firm the past ten years. Schmeer, Harrington & Bana are the continuation of a practice established in 1918 and located at the above address since 1922.

ORRIN A. HAWORTH, architect with AU, CUTTING, SMITH & ASSOCIATES, LTD., Honolulu, has been named an associate in the firm. He joined the office in 1968, coming from the firm of Ibsen Nelsen & Associates, Seattle.

ADRIAN A. BOSSHARD, a native of Zurich, Switzerland, has joined the design staff of KURT MEYER & ASSOCIATES, Los Angeles architectural firm. He came to the United States in 1968 and was associated with Cannell & Chaffin as an interior designer until joining the Meyer firm.



NELSON, STIMMEL, SHANKS

HAYER, NUNN & JENSEN, Architects of Phoenix, Arizona, announce the appointment of C. A. SHANKS, WILLIAM E. STIMMEL and WESLEY G. NELSON as associates in the firm. Nelson has been with the firm since 1966; Shanks and Stimmel affiliated with the company in 1968.

RATCLIFF - SLAMA - CADWALDER, architects in Berkeley/Oakland, California, announce the appointment of SANFORD S. POLLACK and SYED V. HUSAIN as associates in the firm. Both men joined the company in 1965.

RICHARD A. DREVER JR., architect, has been named an associate of the San Francisco architectural firm of REX WHITAKER ALLEN & ASSOCIATES. He has been with the company since 1963 as a construction supervisor, project architect and master planner.

BODRELL JOER'DAN SMITH & ASSOCIATES, Los Angeles, announce that architect FERNANDO JUAREZ has joined the firm as director of architecture and planning in Los Angeles. He will direct and coordinate the activities of all project architects in the Los Angeles, Seattle and Honolulu offices. For several years he represented a major American architectural firm in South America.



Berg & Associates, Seattle, has announced a change in name and a company reorganization with the addition to the firm of JAMES W. DUPAR who will direct the interiors division. The firm will be BERG HAYSLETTE DUPAR, INC. and will specialize in interior and exhibition design and fabrication. Dupar was formerly regional manager for Morganelli-Heumann & Associates. Offices are at 3018 Western Avenue.

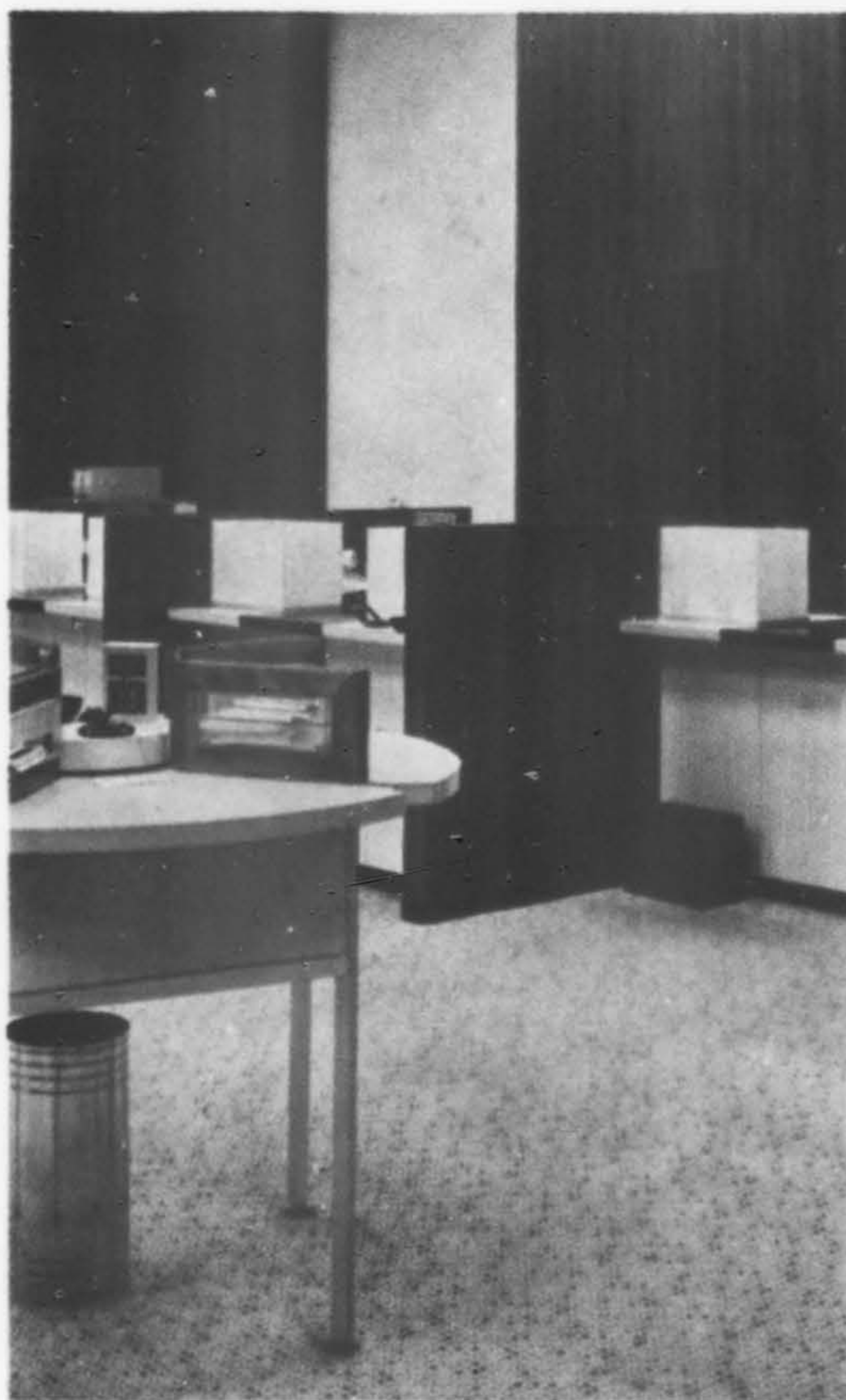
Hospital architect V. LEONARD BROWN has joined ALBERT C. MARTIN & ASSOCIATES, Los Angeles architects-engineers-planners, as principal medical planner. Prior to joining the Martin firm, Brown was an associate with Medical Planning Associates in Malibu.

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People

CTA, architects - engineers - planners headquartered in Billings, Montana, announces that ARLEN D. RAIKES and RICHARD HEINDEL, architects, have joined the firm. Raikes was associated with Taylor, Thon, Schwartz & Kirkpatrick in Kalispell, Montana, and headed his own firm. Heindel was most recently an instructor in the department of architecture at Idaho State University and worked with the firm of Grant C. Brower & Associates, Pocatello. New additions in the engineering department are THOMAS AHRENS from Denver, Colorado, and HARRY MILLER, formerly with Pacific Consultants, Inc., Billings.

ALLEN M. RUBENSTEIN, director of transportation planning at GRUEN ASSO-



RUBENSTEIN

CIATES, Los Angeles the past seven years, has been named a vice president of the architecture - planning-engineering firm. He will continue to be based in the Los Angeles office. The firm has also

named three new associates: ROYLANCE L. BIRD, project designer; ARTHUR GOLDING, designer, and EDWARD L. SCHRANDT, assistant head of the civil engineering department.

ALBERT S. HECHT, JR. has been appointed as director of urban development for the SHELDON L. POLLACK CORPORATION, Los Angeles-based design, engineering and construction firm.

JOSEPH A. GERVASIO has been named head of the expanding engineering division of HAVER, NUNN AND JENSEN, ARCHITECTS, Phoenix, Arizona. Gervasio has been an associate with Magadini Associates, structural engineers of Phoenix since 1961, and has been associated as a consultant with Haver, Nunn and Jensen and other architectural firms on major projects since that time.

Four new vice presidents, headquartered in Western offices, have been named by DANIEL, MANN, JOHNSON & MENDENHALL, Los Angeles-based planning-architecture-engineering firm. In the Los Angeles office, new appointees are: ANTHONY J. LUMSDEN, director of architectural design; CHARLES R. SULLIVAN, manager of general architecture and engineering, and CHARLES L. CARLSON, chief financial officer, and in the Honolulu office, JACK C. LIPMAN of DMJM/Hawaii has also been named a vice president.

MORGANELLI-HEUMANN & ASSOCIATES, Los Angeles interior design and space planning firm, announces a reorganization of their Seattle office. WALTER B. REITER has been named associate-in-charge with responsibility for internal management and organization. GEORGE C. OISTAD, named an associate, is in charge of design and production. Reiter has been with the company a year and a half; Oistad, nine months.

ROBERT NASRAWAY has joined the Los Angeles staff of WELTON BECKET & ASSOCIATES as an architectural designer; HERBERT MILLER and HOWARD STILL as specifications writers.

The DAVID STRONG DESIGN GROUP, a Seattle-based firm, announces that JOHN VAN DYKE and KEN PERRY, designers, have joined the organization. David Strong, head of the company, has also announced a move into expanded quarters in the Federal Way Professional Building, 30640 Pacific Highway South, adjacent to the offices the firm has occupied since August 1968.

The following change of address notices have been received:

MAL GIANNI & ASSOCIATES, AIA-5567 Auckland Avenue, North Hollywood, Calif.

CHARLES & ARTHUR SCHREIBER-707 E. Palo Verde Drive, Phoenix, Arizona. ROBERT EWING ASSOCIATES-3440 Wilshire Boulevard, Los Angeles, from West Covina, Calif.

PETERS & CLAYBERG, ARCHITECTS-40 First Street, San Francisco, from Berkeley, Calif.

WILLIAM R. SINCLAIR, AIA-1286 Laurel Lane, Lafayette, Calif., from San Bruno, Calif.

P. H. PUTNAM, AIA-Boise State College, 1907 Campus Drive, Boise, Idaho, from Lewiston, Idaho.

JACK F. VAN ZANTEN-164 El Dorado, Danville, Calif., from Pleasant Hill, Calif.

D. L. WILLIAMS-615 Newport St., Denver, Colorado, from Northglenn, Colorado.

KARL TREFFINGER & ASSOCIATES - 50 Green Street, San Francisco.

BARRY L. ROENFELDT-Office of Civil Defense, Bothell, Wash., from Corps of Engineers, Walla Walla.

EDWARD T. MIYAMASU, AIA - 1325 Nuuanu Avenue, Honolulu, Hawaii.

PAT PORCARELLO & ASSOCIATES-4728 N. 15th St., No. 43, Phoenix, Arizona.

MORRIS & REDDEN, Architects - 1157 High Street, Eugene, Oregon.

DONALD PEART & ASSOCIATES - 11040 Santa Monica Boulevard, Los Angeles, from Beverly Hills, California.

MITSCHE & SULLIVAN - 2515 Catlin, Missoula, Montana.

WYMAN K. BEAR, principal in the Portland, Oregon firm of BEAR, MCNEIL, BLOODWORTH & HAWES, ARCHITECTS, PETERSON & SMITH, Associate Architects, has announced his retirement, effective July 1.

ROBERT R. INSLEE, partner in the Los Angeles architectural firm of Strange, Inslee & Senefeld, has been elected chairman of the Planning Commission for the City of Glendale, California.

RALPH E. VITIELLO, Sacramento architect, has been selected by the Sacramento Junior Chamber of Commerce as "outstanding young man of the year." A partner in the firm of Angello & Vitiello Associates, he was named from eight finalists to receive the Jaycees' distinguished service award.

Seattle architect J. WILLIAM DIMMICH has been named to the new post of director of architectural design and construction for the city of Seattle. Most recently, he was a partner in the firm of Dersham/Dimmich and prior to that a partner in the firm of Fred Bassetti & Company.

ARTHUR FROELICH, FAIA, Los Angeles, has been elected regional director of the California Council of American Institute of Architects, succeeding Cabell Gwathmey, San Francisco.

ARCHITECT WINSTON CORDES has been named chairman of the Santa Monica, California, Planning Commission. A staff architect for the Santa Monica Unified Schools, he has been a member of the Planning Commission since 1962.

JAMES O. JONASSEN, Seattle, has been named winner of the annual Naramore Foundation grant. A senior associate and chief of medical facilities planning at Naramore, Bain, Brady & Johanson, Jonassen will spend three months studying and evaluating inter-hospital and regional health care facilities in Europe and the United States.



JONASSEN

The Naramore Foundation, established four years ago, provides a full salary for up to three months, plus travel expenses, to engage in research activity in a field related to or beneficial to the fields of architecture, planning or interior design.

Arcihtect **DAVID RICHEN** of Portland, Oregon, has been named recipient of the **ION LEWIS TRAVEL SCHOLARSHIP**, awarded every third year to a student of architecture upon graduation and completion of at least one year of work in the profession. He will study the interaction of public space in Europe.



CHARLES D. HALL, partner in CTA Architects of Billings, Montana, has been named to serve on the Montana Building Code Council by Governor Forrest H. Anderson. Hall was appointed for a two-year term on the council, created last winter by the Montana Legislature to administer the state's new building codes.

WILLIAM J. BAIN, senior partner in the firm of Naramore, Bain, Brady & Johanson, has been honored by the national organization of the Arthritis Foundation for his work in the field of health in Western Washington. He was one of some 50 volunteers from across the nation to receive the foundation's Distinguished Service Award. Bain assumed the presidency of the Western Washington chapter of the Arthritis Foundation last year.

CHARLES LUCKMAN, chairman and executive officer of Charles Luckman Associates, Los Angeles architecture-planning firm, has been cited by the American Academy of Achievements with a Golden Plate Award.

Portland architect **GEORGE A. McMATH** has been named by Oregon Governor Tom McCall to the State Sanitary Authority.

GLENN L. DRINKMAN has been appointed a building architect with Seattle City Light where he will work with Robert Bishop, who heads the City Light architectural team. Prior to joining the utility firm he was associated with John Rushmore & Associates of Bellevue, Washington.

WESLEY G. HOLTZ, consulting civil engineer of Wheat Ridge, Colorado, has been given the Award of Merit by the American Society for Testing and Materials. Holtz, a former assistant chief, Division of Research, Bureau of Reclamation, Denver, was cited especially for his administrative and technical contributions on soil and rock for engineering purposes.

HARRY W. BERRY, Tacoma, Washington architect, has been appointed by Governor Dan Evans to the State Board of Registration for architects, for a five-year term. He replaces Olympia architect G. Stacey Bennett whose term has expired. Berry is a principal in the firm of Seifert, Forbes & Berry, Architects-Engineers.

JEANNE D. DANIELSON has been named senior operations research analyst for the consulting engineering firm of H. C. MASON & ASSOCIATES, Gladstone, Oregon.

JOHN P. ESVELT, Spokane, Washington, was voted Engineer of the Year by the Consulting Engineers Council of Washington at the annual meeting on July 30. The award is presented annually for outstanding service in the engineering profession. Esvelt is a partner in the firm of Esvelt & Saxton, Consulting Engineers.

HAROLD P. KING, vice president, King-Benioff-Steinmann-King, consulting engineers of Sherman Oaks, California, is the 1969 recipient of Iowa State University's Marston Medal Award, given annually in recognition of outstanding achievement in engineering by an Iowa State alumnus of at least 30 years' standing.

WARREN C. GONNASON has been elected president of **HARSTAD ASSOCIATES, INC.**, Seattle based consulting engineering and planning firm. **HOWARD T. HARSTAD** has been named chairman of the board. Prior to joining Harstad in 1968, Gonnason served as commissioner of highways for the Alaska State Department of Highways. Other officers elected: **WILLIAM O. REINHARD**, vice president; **KATSUMI TANINO**, secretary; **RICHARD C. T. LI**, treasurer; **GEORGE A. SMITH**, planning director; **BURTON F. REANIER**, director of survey and platting department; **ROBERT E. BYRD**, manager of Walnut Creek, California office.

PETER H. HOSTMARK, 65, president of Peter M. Hostmark & Associates, Seattle consulting engineers, died June 18. He had served as president of the Constulting Engineers of Washington and in 1962 was named engineer of the year by that association.

WILLIAM R. MOHR, 50, Salt Lake City, Utah, died May 27 in that city. He was a principal in the firm of Wooley & Mohr Architects, and was most recently on the staff of Edwards & Daniels Architects.

Organizations

Officers of the East Bay Chapter, California, **CONSTRUCTION SPECIFICATIONS INSTITUTE**, for the coming year are: **MICHIO KATSURA**, Van Bourg/Nakamura, president; **IRA BEALS**, Reynolds & Chamberlain, first vice president; **BUD GEYER**, Superior Tile, second vice president; **DICK MCKILLIP**, Testing Controls, secretary; **GORDON DEY**, Aitken & Collin, treasurer; **RALPH JONES**, Safeway, **LEE PFAUTCH**, U. S. Plywood, **JACK MARGOLIS**, Jeffries, Lyons & Hill, directors.

The **SEATTLE CHAPTER** of the **CONSTRUCTION SPECIFICATIONS INSTITUTE** has named the following new officers: **ROBERT S. HOOPER**, president; **IRVING J. FLOTREE**, first vice president; **JESSE T. WILKINS**, second vice president; **ELDON J. BRYANT**, secretary; **RALPH C. ROBINSON**, treasurer; **FREDERICK C. YEO**, **HARLOW C. MAY** and **PETE M. PIROTTE**, directors.

KENDALL B. WOOD has been elected president of the **PROFESSIONAL ENGINEERS OF OREGON**. He is a consulting geometronics engineer in Portland.

Officers of the **CONSULTING ENGINEERS COUNCIL** of Washington for the next year are: **BRIAN J. LEWIS**, Bellevue, president; **LLOYD F. CHRISTOFFERSON**, Seattle, vice president; **HELGE J. HELLE** and **WILLIAM P. COLLIER**, directors. **WALTER D. LEWIS** is executive secretary of the council.

The **NORTHERN SECTION, IDAHO CHAPTER, AIA**, has named the following to office: **FULTON G. GALE**, president, Hayden Lake; **LEONARD H. ELLIS**, vice president; **CHARLES G. BARTELL**, secretary-treasurer, Moscow.

Officers of the **EASTERN SECTION, IDAHO CHAPTER** of the American Institute of Architects, for the year are: **KENNETH D DOUGLAS**, president; **GRANT C. BROWER**, vice-president; **CLARENCE W. SMITH**, secretary-treasurer, Pocatello.

The Seattle Chapter, **WOMEN IN CONSTRUCTION**, has named new officers for 1969-70: **RELTA GRAY**, Architecture/West, president; **SUSAN TALBOT**, Honeywell, vice president; **WINIFRED PRICE**, the E. J. Bartells Co., recording secretary; **HELEN NEWMAN**, Dawson & Company, corresponding secretary; **ELEANOR BLACK**, Allied Floors & Acoustics, treasurer; **MARY "CONNIE" RITTER**, Waldron & Pomeroy Architects, parliamentarian; and directors **DOREEN GARRETT**, Stabler & Nelson; **JEAN SPINOLA**, Lone Star Cement; **JAN STANTORF**, Puget Sound Mechanical Contractors; **CATHY YANDELL**, Atlas Construction.

at the AIA, Chicago

TAYLOR CULVER, an articulate young man who looks as though he might be a line backer for the NFL, but who speaks with a soft, decisive tongue, dominated the proceedings of the national AIA-RAIC joint conference in Chicago. Culver is president of the 17,000-member student AIA, and as leader of the students, conveyed their

thoughts and proposals to the general assemblage. It is history now, but the AIA approved the student plan to lay \$15 million a year on the line for social action projects.

The joint meeting between the American Institute of Architects and the Royal Architectural Institute of Canada was a first for both organizations. Host

chapter Chicago extended a cordial welcome, beginning with opening events at the Palmer House, the recreation of opening night at the Chicago Auditorium, now being restored, and where the event took place, through the fantastic social event, the Train Shed Party, at the soon to be demolished Grand Central Terminal.

Excerpts from the keynote address by

DANIEL P. MOYNIHAN

THE EXPERIENCE as well as the sense of community and shared conviction has been impaired, has atrophied in our time because of the retreat from architecture and public buildings as a conscious element of public policy and a purposeful instrument for the expression of public purposes. The concept of private affluence and public squalor in the United States is a familiar one, and correct as far as it goes. But it rarely extends to the notion that public squalor includes the penury and squalor of public building and city planning. Indeed, the very persons who will be the first to demand increased expenditures for one or another form of social welfare, will be the last to concede that the common good requires an uncommon standard of taste and expenditure for the physical appointments of government and of the public places of the city. Even those most vocal in support of government support for the arts will resist, even reject, the manifest fact that architecture and urban planning are the two arts which government by definition must be involved with, for better or worse.

SOMEHOW, somewhere in the course of the development of democratic or demagogic tradition in this nation, the idea arose that concern with the physical beauty of the public buildings and spaces of the city and nation was the

mark of crypto deviationist anti-people monumentalism—and in any event an augury of defeat at the polls. The result has been a steady deterioration in the quality of public buildings and spaces, and with it a decline in the symbols of public unity and common purpose with which the citizen can identify, of which he can be proud, and by which he can know what he shares with his fellow citizens.

In our time, the fear of taxpayer resentment of the costs of excellence in public buildings has been compounded with an almost ideological alarm at the implications of modern design. . . . *Good or bad architecture is not an option. It is as fundamental a sign of competence of government as will be found. Men who build bad buildings are bad governors. A people that persists in electing such men is opting for bad government . . .* I believe this is beginning to be seen.

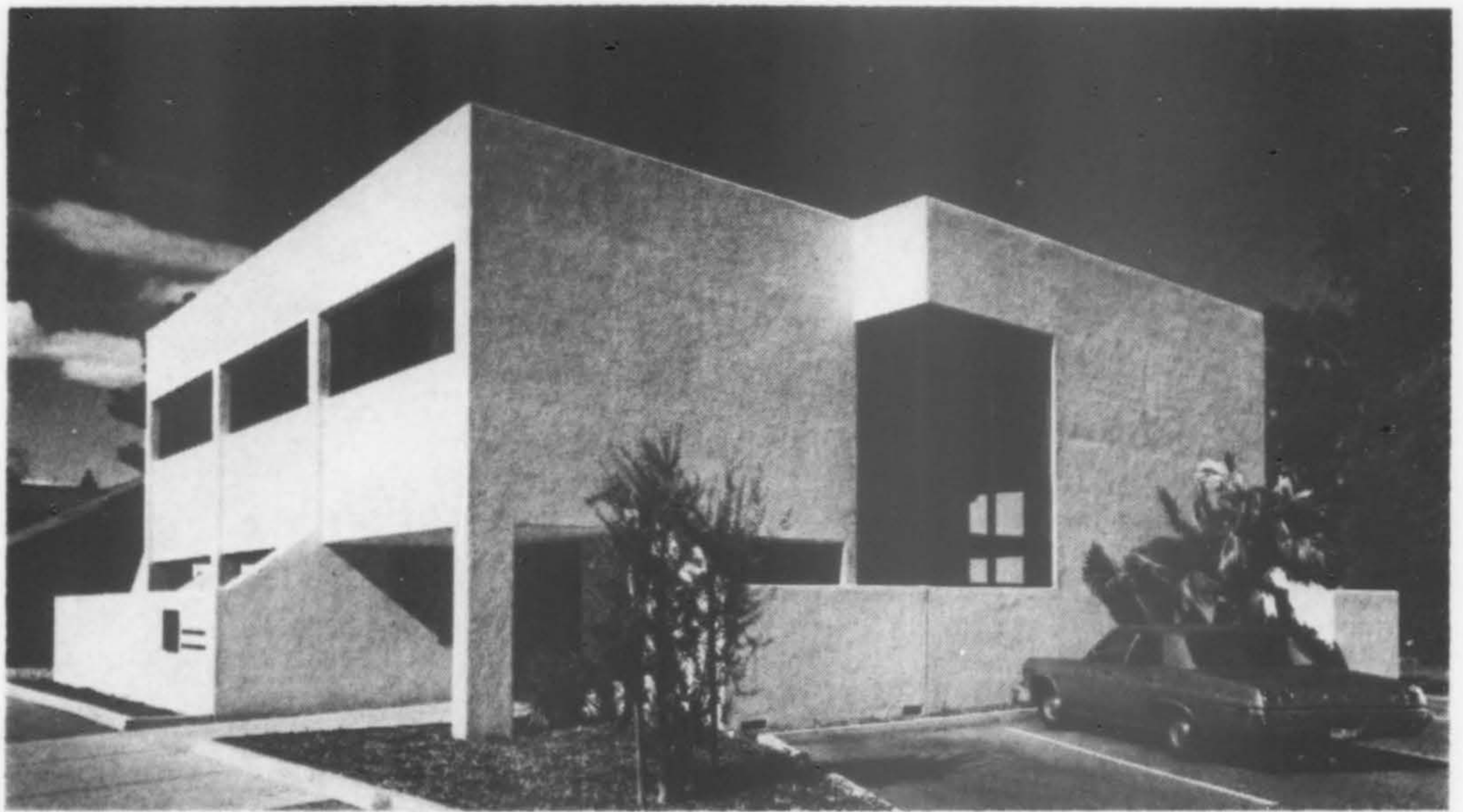
IF WE ARE to save our cities, and restore to American public life the sense of shared experience, trust, and common purpose that seems to be draining out of it, the quality of public design has got to be made a public issue because it is a public fact. . . . An era of great public works is as much needed in America as any other single element in our public life. Magnificence does not mean monumental. That seems to

be a point to be stressed. I have heard Saul Steinberg quoted as saying that the government buildings of Washington seem designed to make private citizens realize how unimportant they are, and there is much to what he says. But that seems to simply define the special requirements of this age of enormity: to create a public architecture of intimacy, one that brings people together in an experience of confidence and trust. The city beautiful is as valid a concept today as it was when George Washington and Thomas Jefferson established it as an American principle almost two centuries ago. It is not a concept to be traded in for anyone's notion of private gain or social welfare. It is not an efflorescence of elite aestheticism, it is the bone and muscle of democracy, and I repeat that it is time those who see this began insisting upon it.

At a time when there is so much that is brutal, we risk nothing less than our humanity if we fail to do so. The task of this less than all-powerful nation is to show to the world and to ourselves that, sensing our limitations, we know also our strengths, and that we will husband and develop these strengths.

The surest sign of whether we have done this will reside in the buildings and public places which we shall build in our time, and for which we will be remembered or forgotten in history.

DR. MOYNIHAN IS ASSISTANT TO THE PRESIDENT OF THE UNITED STATES ON URBAN AFFAIRS.



Where the Architects Hang Their Hats

BLANTON & COMPANY
Architects-Engineers
Tucson, Arizona

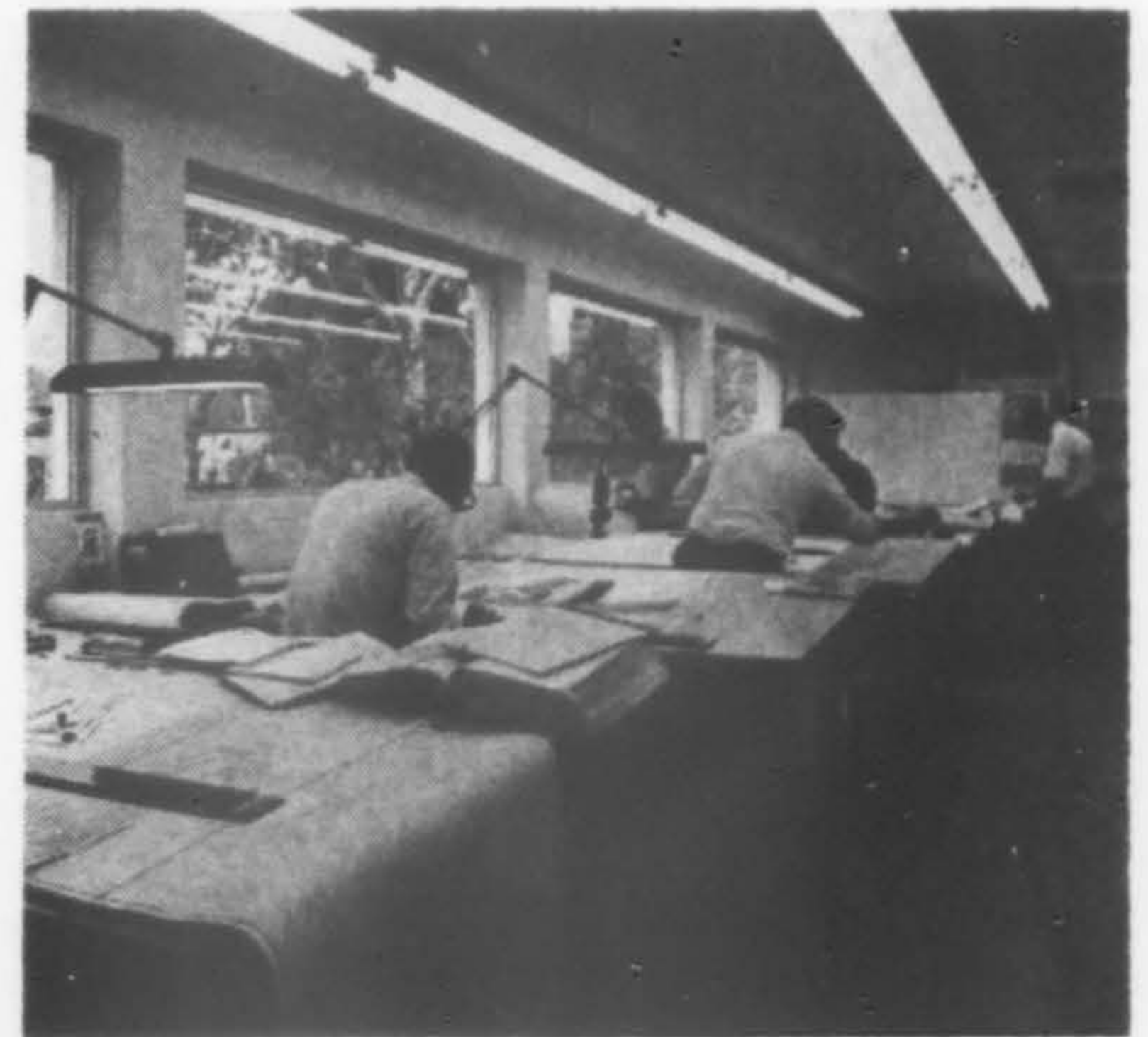


Bill Sears photos

THE FACILITIES that Blanton & Co. designed for their own use focuses on housing the 54 architects, engineers, planners and surveyors in a manner that encourages inter-disciplinary communication while still maintaining a reasonable degree of privacy for each professional group.

The firm, founded in 1944 by Tony A. Blanton (deceased 1969), is the largest of its type in Arizona. Principals in the firm include John H. Stufflebean, engineer, who now heads the company; vice presidents Rex Wiloughby, architect, and Albert Goorwitch, engineer.

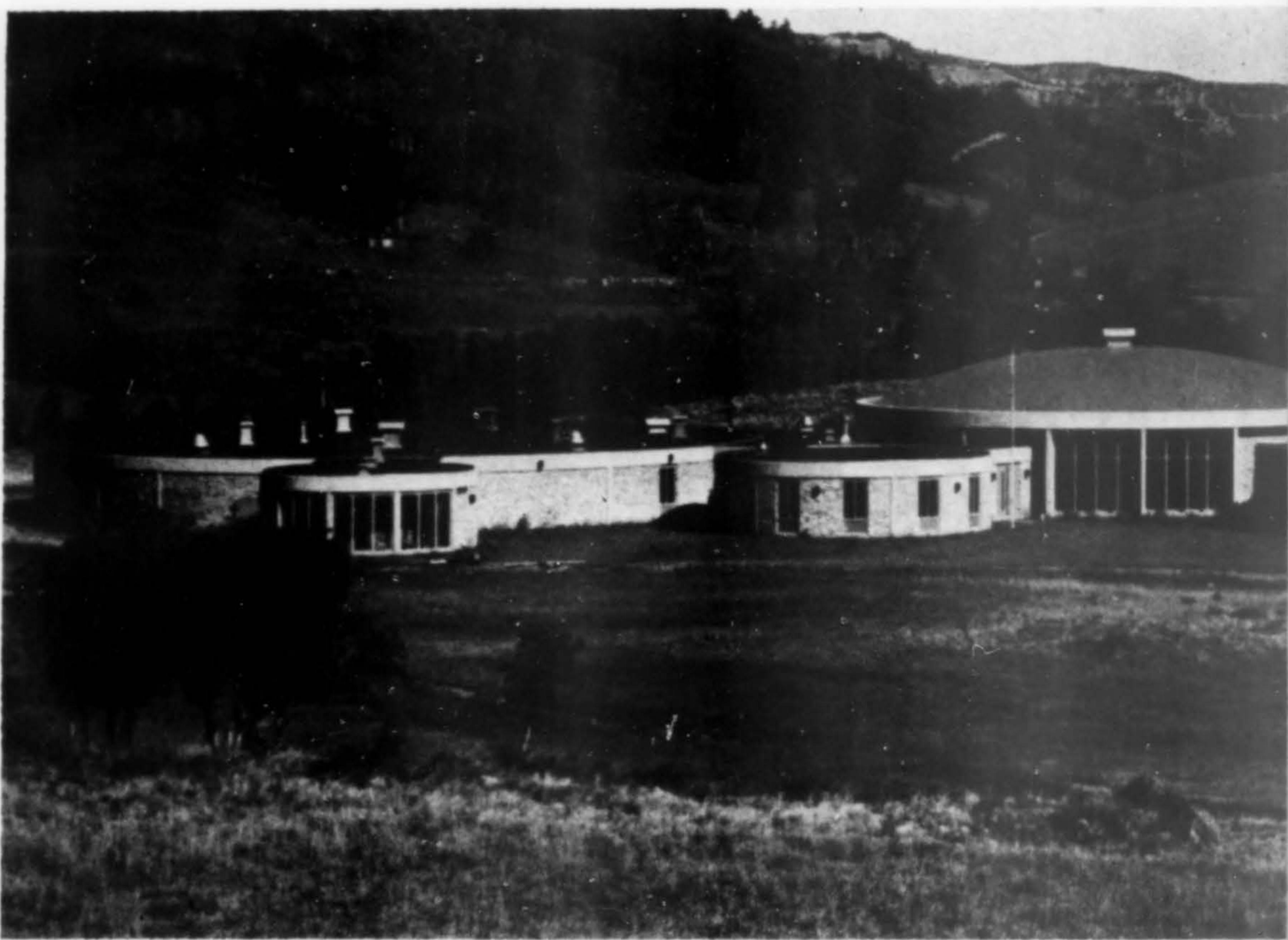
The building is sited in downtown Tucson in a previously private residential area known locally as "Snob Hollow." An urban renewal project currently under way will preserve some of the old mud adobe buildings on adjacent property and a new city-county government and civic center complex will be located nearby. Exterior of the building follows the architecture of the Southwest with coarse textured stucco on the concrete masonry walls. The projection of the second floor creates recesses to protect



the glass walls of the first floor offices and entry, both of which look onto small landscaped gardens enclosed by patio walls.

First floor houses reception and waiting areas, principals' offices, administrative personnel, a major conference room, storage and equipment rooms. The larger second floor utilizes a pinwheel plan for the design and drafting rooms with the center core containing a library, conference and lounge spaces.

Completed in May 1968, the M. M. Sundt Construction Company was contractor on the 8,000-sq.-ft. building.



Mountain School

ASPEN HIGH SCHOOL

Aspen, Colorado

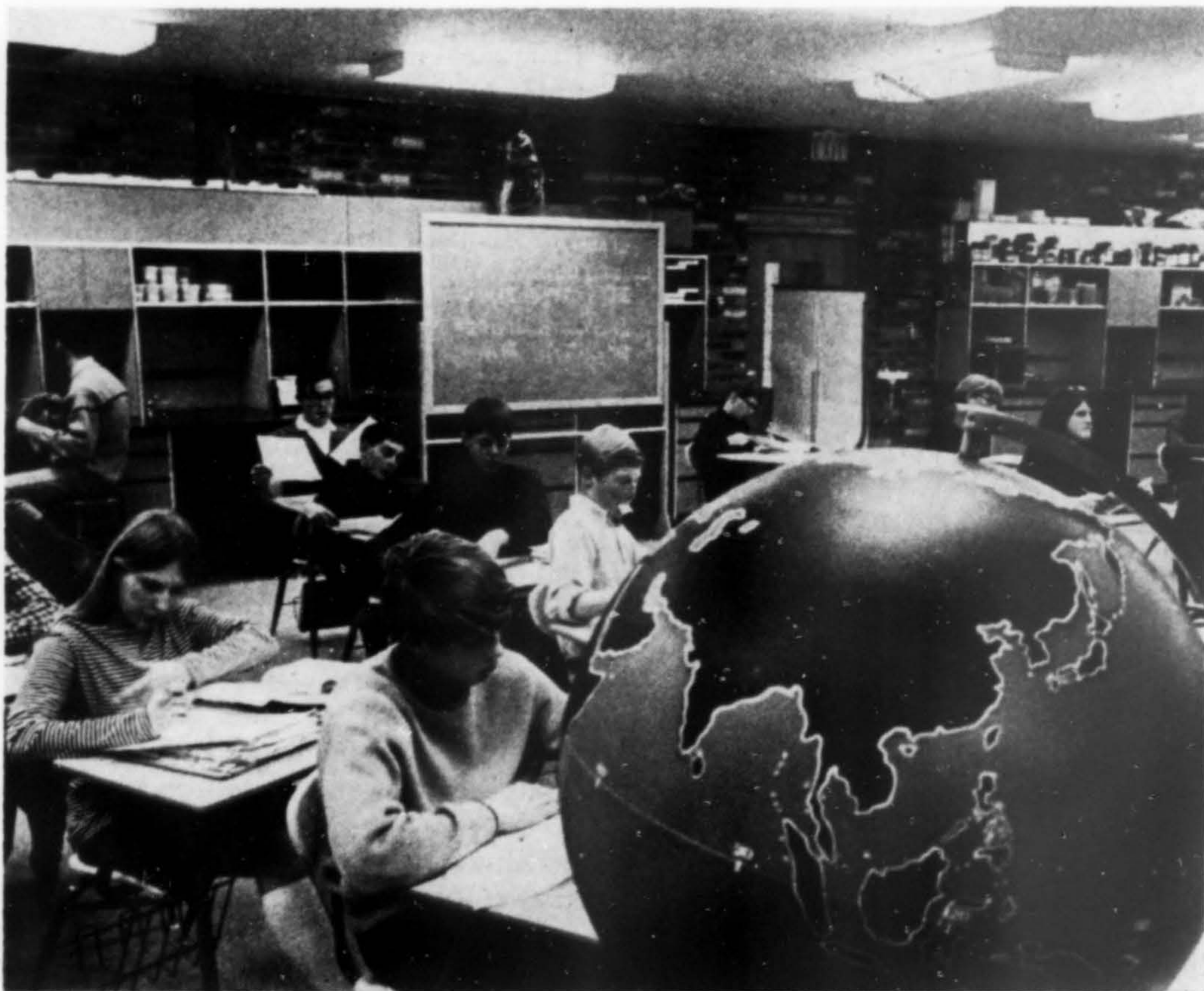
CAUDILL ASSOCIATES, Architects

THE SCHOOL is designed to house the "total exposure program" by placing an emphasis on flexibility, efficiency and the employment of many teaching tools including educational television, amplified telephone, intercommunication and sound amplification system, individual

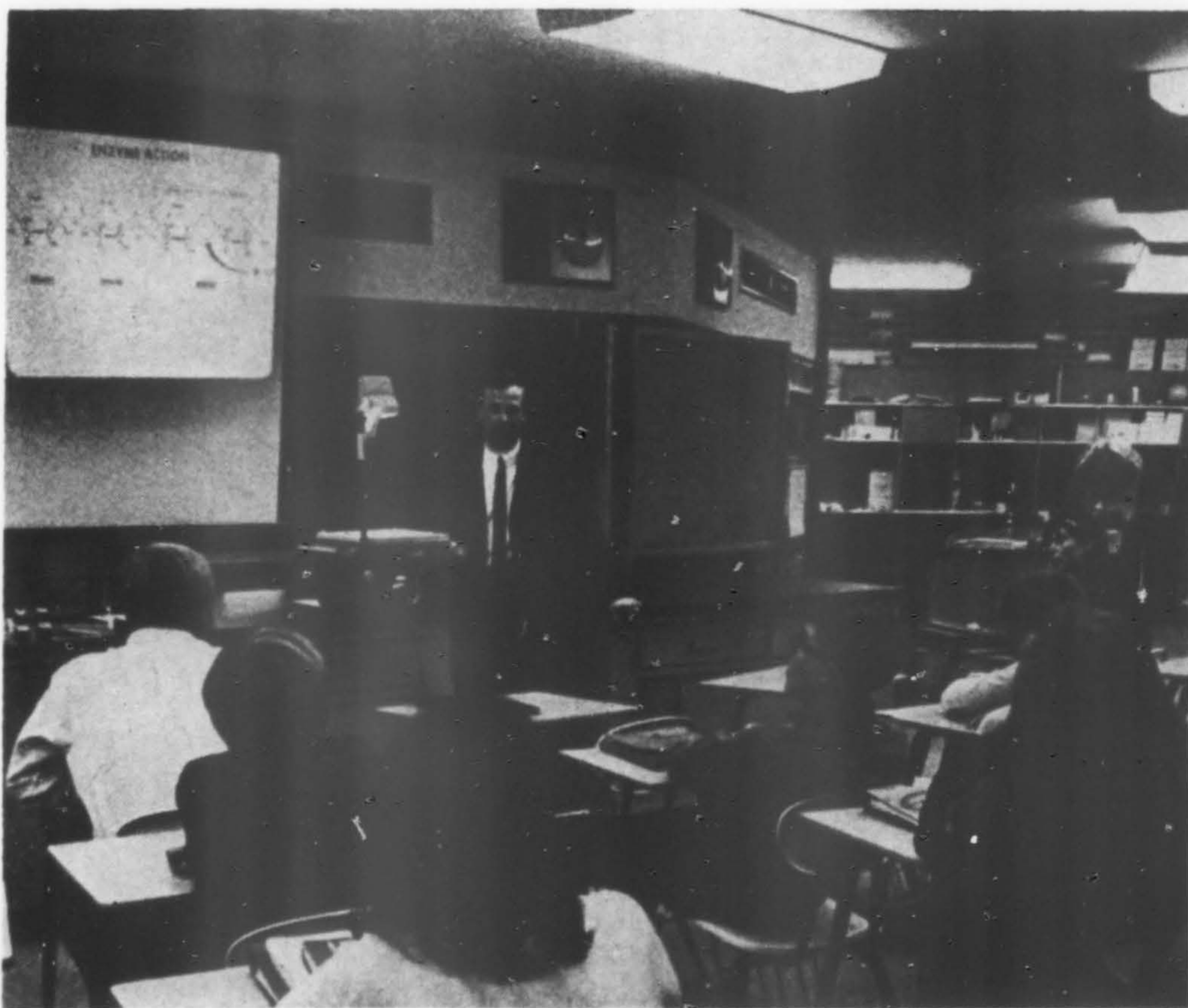
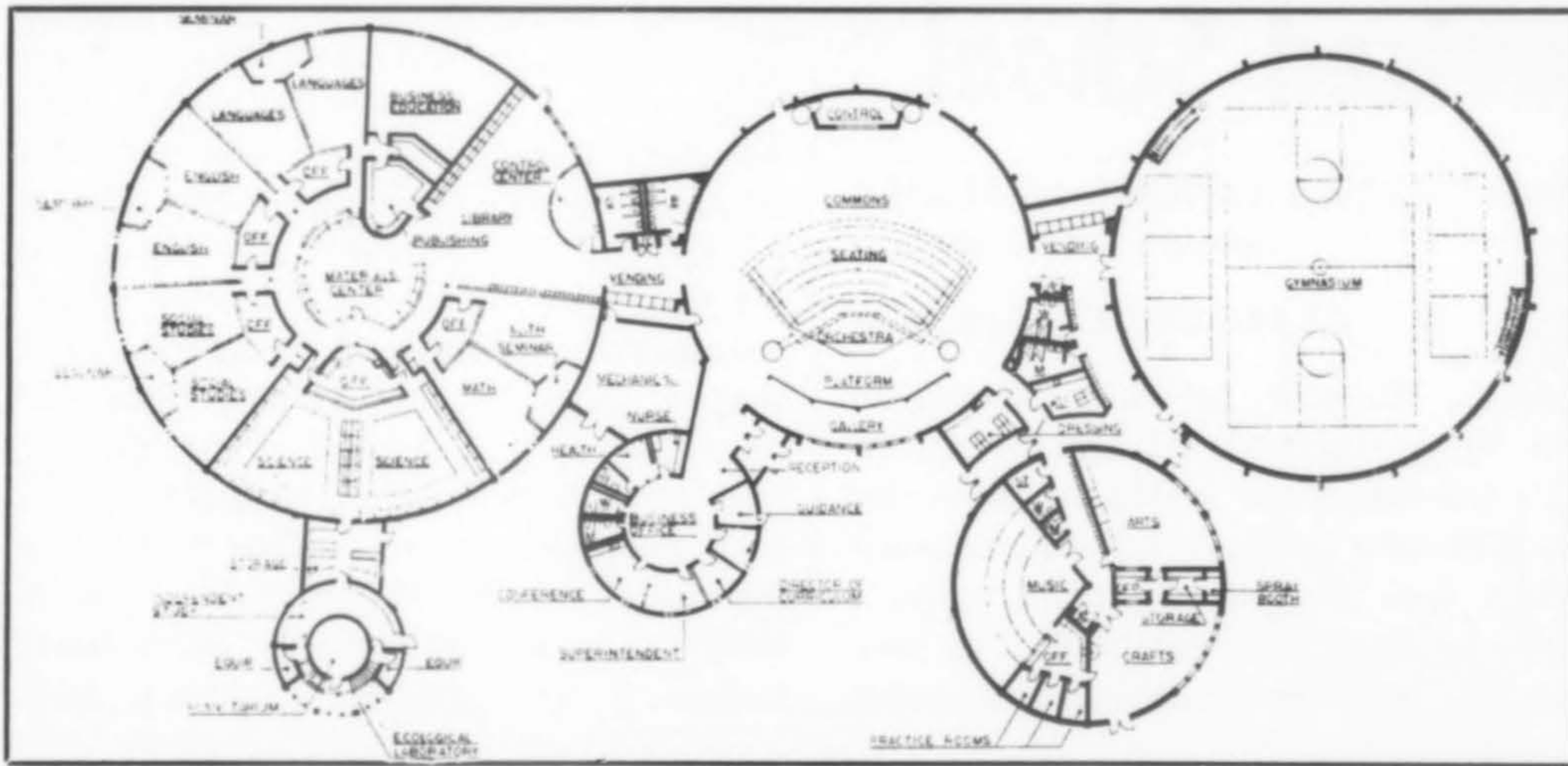
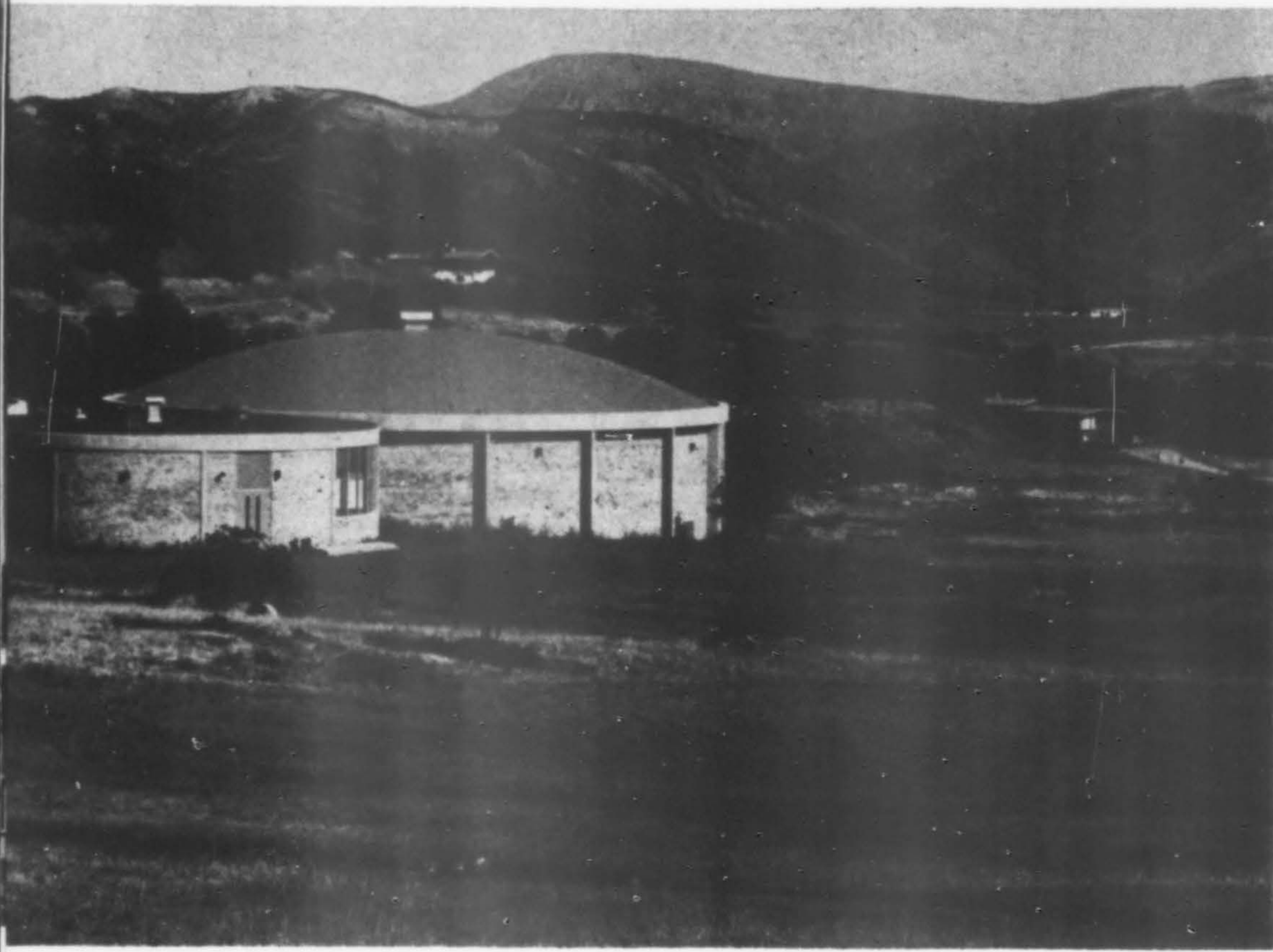
study carrels, seminar and lecture areas.

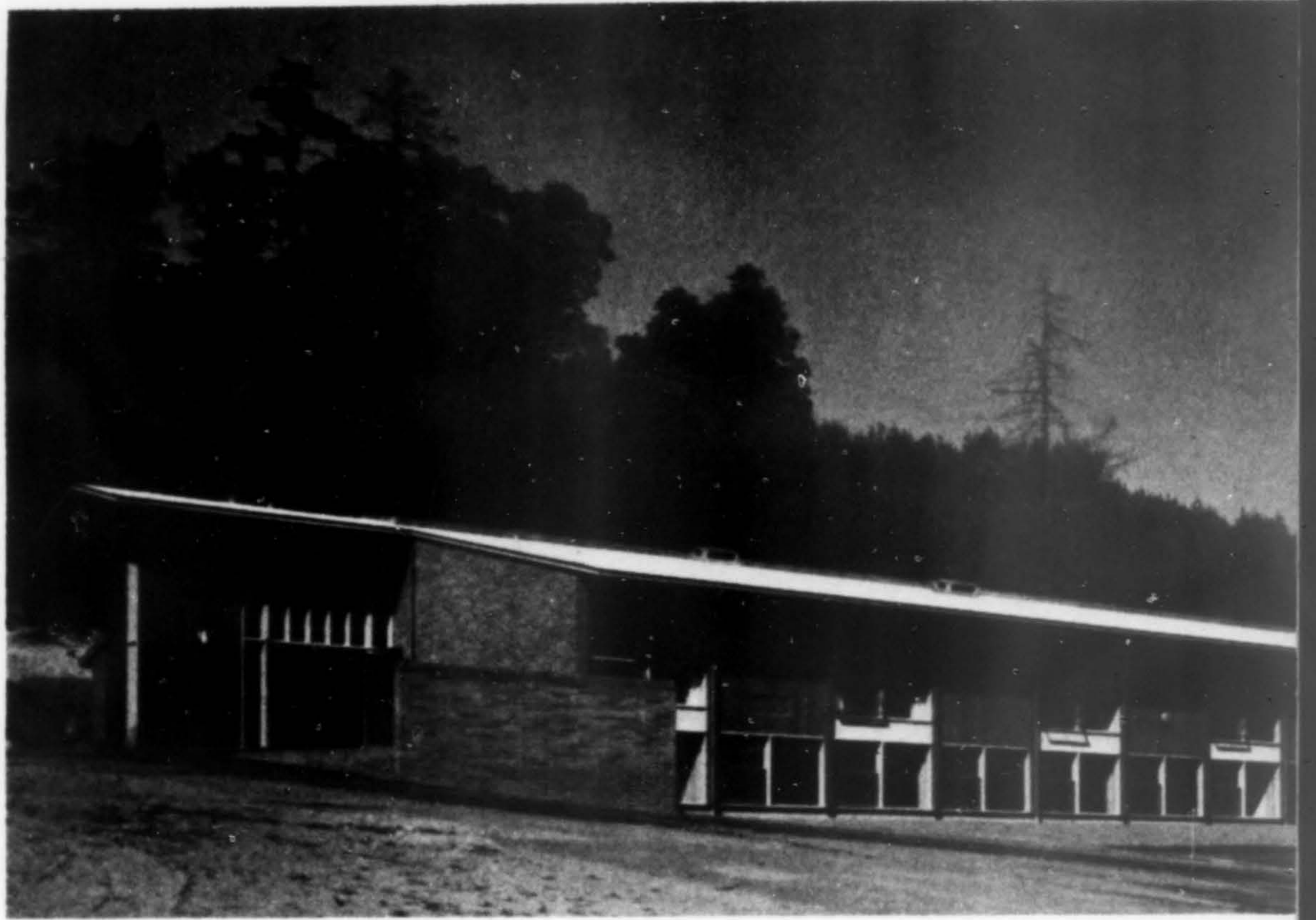
The site, consisting of 20 acres of meadowland, covered with many species of wild flowers, is surrounded by snow-capped mountains. To utilize this tremendous "outdoor education" potential, an ecological area was developed which will afford the students easy access to the natural surroundings.

Construction is basically a reinforced concrete frame with a 10-in. brick cavity curtain wall. Cost of construction, exclusive of land, landscaping, fees and furniture, was \$789,500 for 52,250 sq. ft. (\$15.11/sq. ft.).



Tony Gauba photos





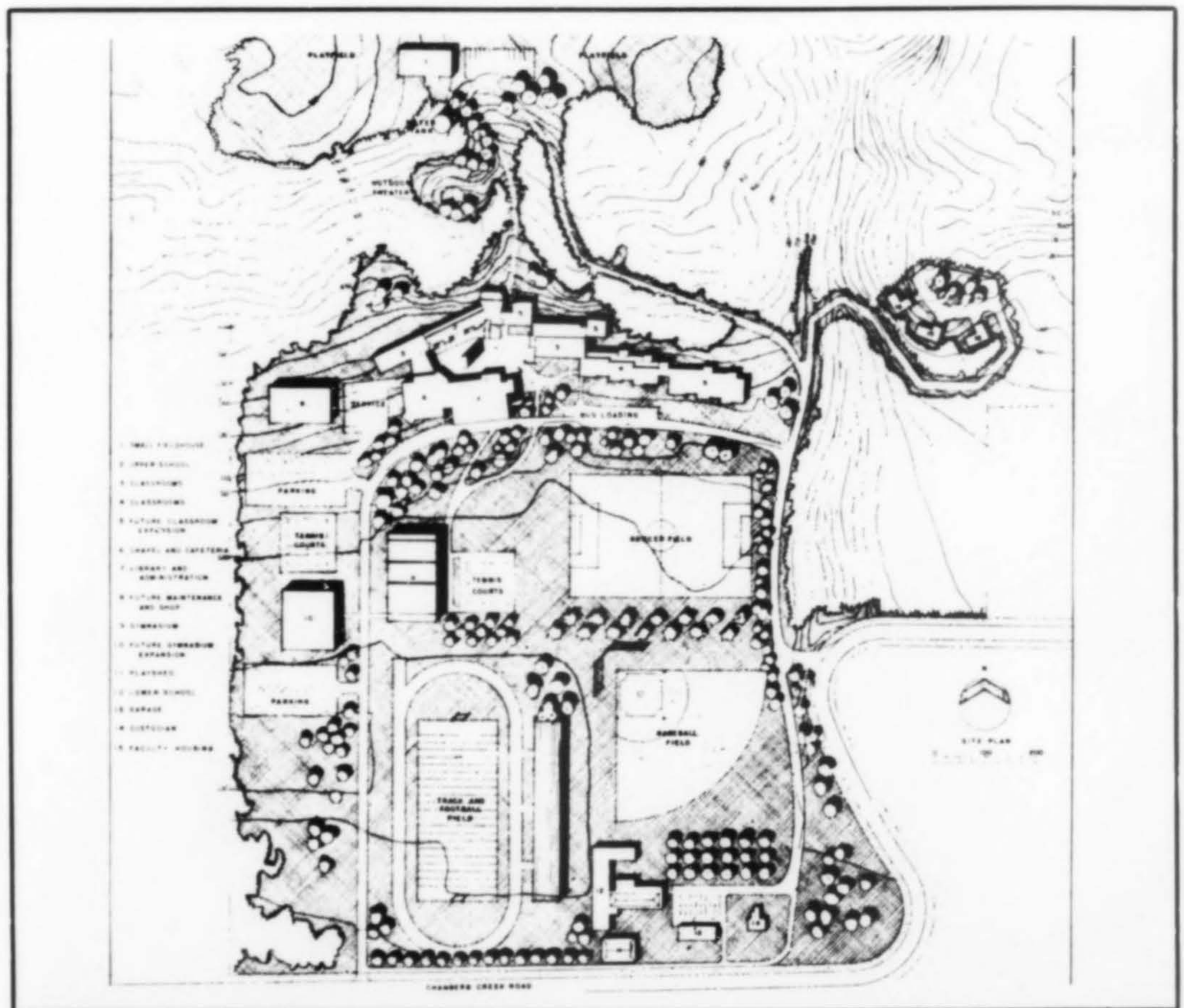
Revised School

THE CHARLES WRIGHT ACADEMY
Tacoma, Washington

ALAN LIDDLE, Architect

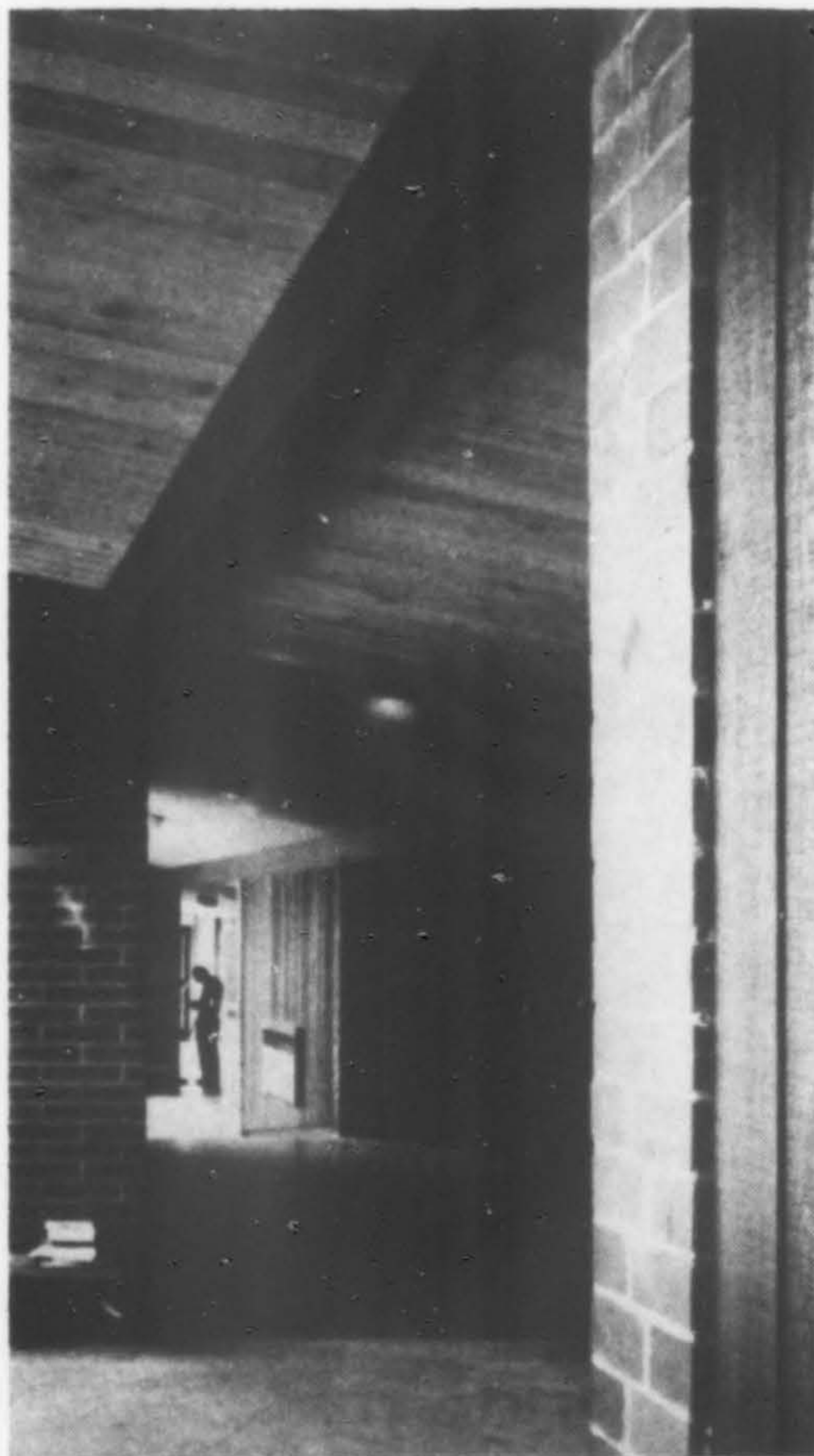
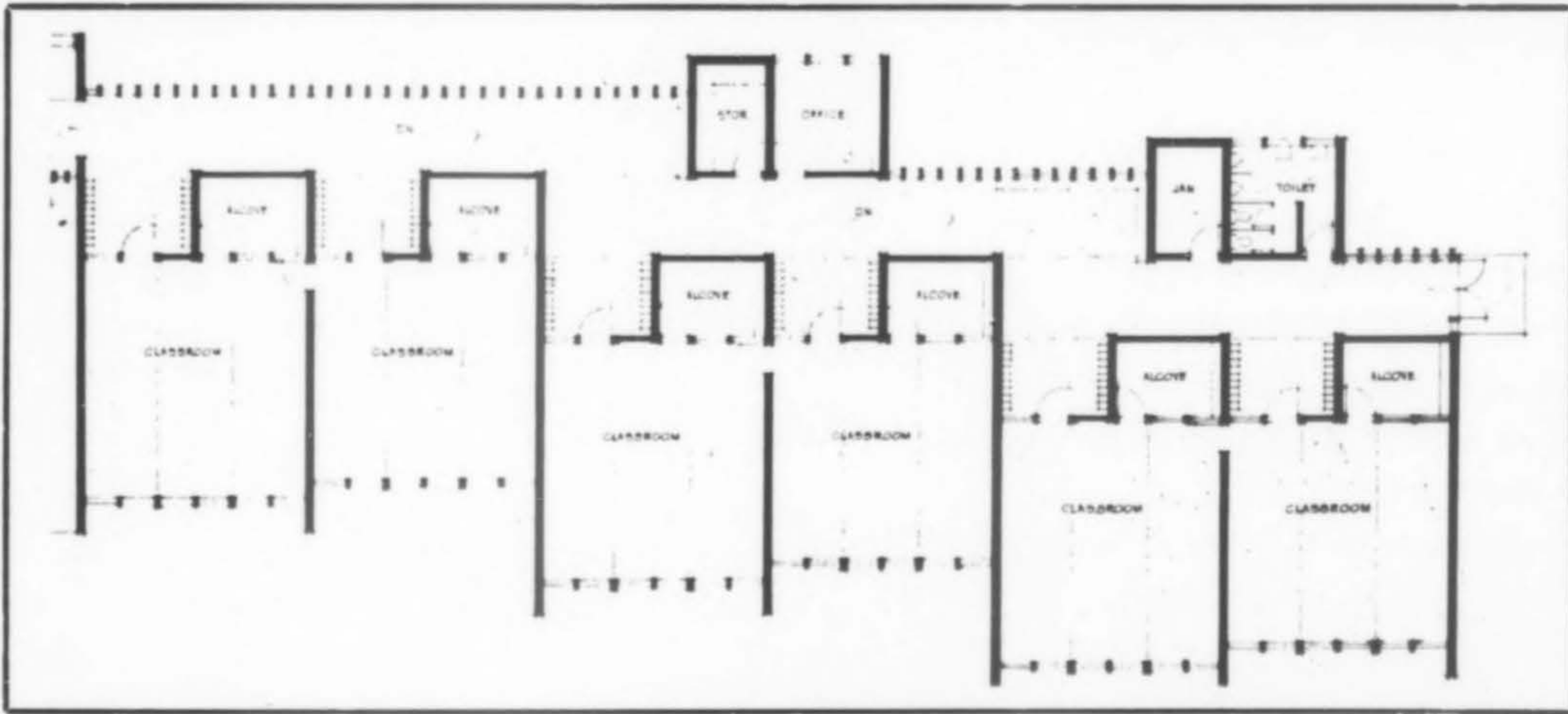
CHARLES WRIGHT Academy began in 1949 from a remodeled restaurant. In 1960, the need for a Master Plan for their 130-acre campus in the Lakewood vicinity was recognized and architects Liddle & Jones were retained. The program as presented called for a major

building complex designed to create the atmosphere of a small town with a large outdoor plaza around which were disposed the communal facilities. Because of the rural setting for the private school, its architecture was designed for simplicity with an avoidance of experimental techniques and unusual shapes. In 1967, the Master Plan was reevaluated. The revised Plan, as outlined by Alan Liddle, proposed most of the changes occur within the major building complex. With the Plan's modification to reflect growth, its validity makes it an excellent working tool.





Hugh N. Stratford photo



Jini DeLacatto photos unless otherwise noted



Gacoflex goes to

Gacoflex elastomers go to lots of schools. Anywhere and anytime modern roof and structure designs call for rugged, dependable coatings that can give lasting weatherproofing protection—overhead or under foot. And in just about any color you want.

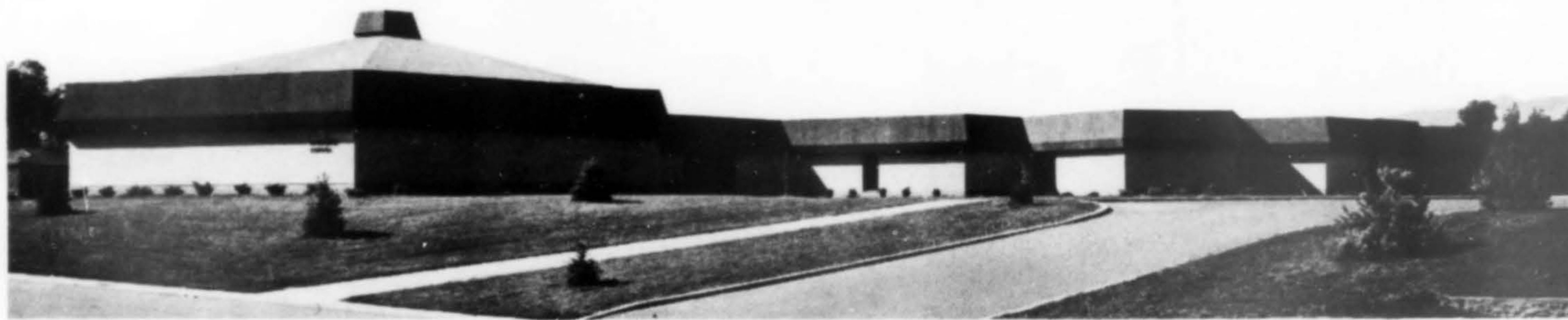
Gacoflex is applied as a liquid on concrete, plywood, plaster, metal, insulation or emulsion and built-up roofing. It forms a tough, yet elastic waterproof membrane—one that stubbornly resists cracking and deterioration from sun, ozone, water, cold, heat, chemicals and abrasion. In sheet form, Gaco elastomers make a neoprene membrane roof or permanent flexible flashing. The sheet flashing system, used with conventional roofing, minimizes the problems of fitting and installing on irregular surfaces and it remains watertight under extreme temperature variations and adverse weather conditions.

No wonder roofs, decks and exterior wall coverings protected with Gacoflex elastomers stay protected, and for years longer, than those waterproofed by more conventional methods. Maintenance, if any, is easy.

Take a look at five schools where Gacoflex went to the top of the class. And stayed there. You'll see why more and more architects are specifying Gaco products to protect their projects.

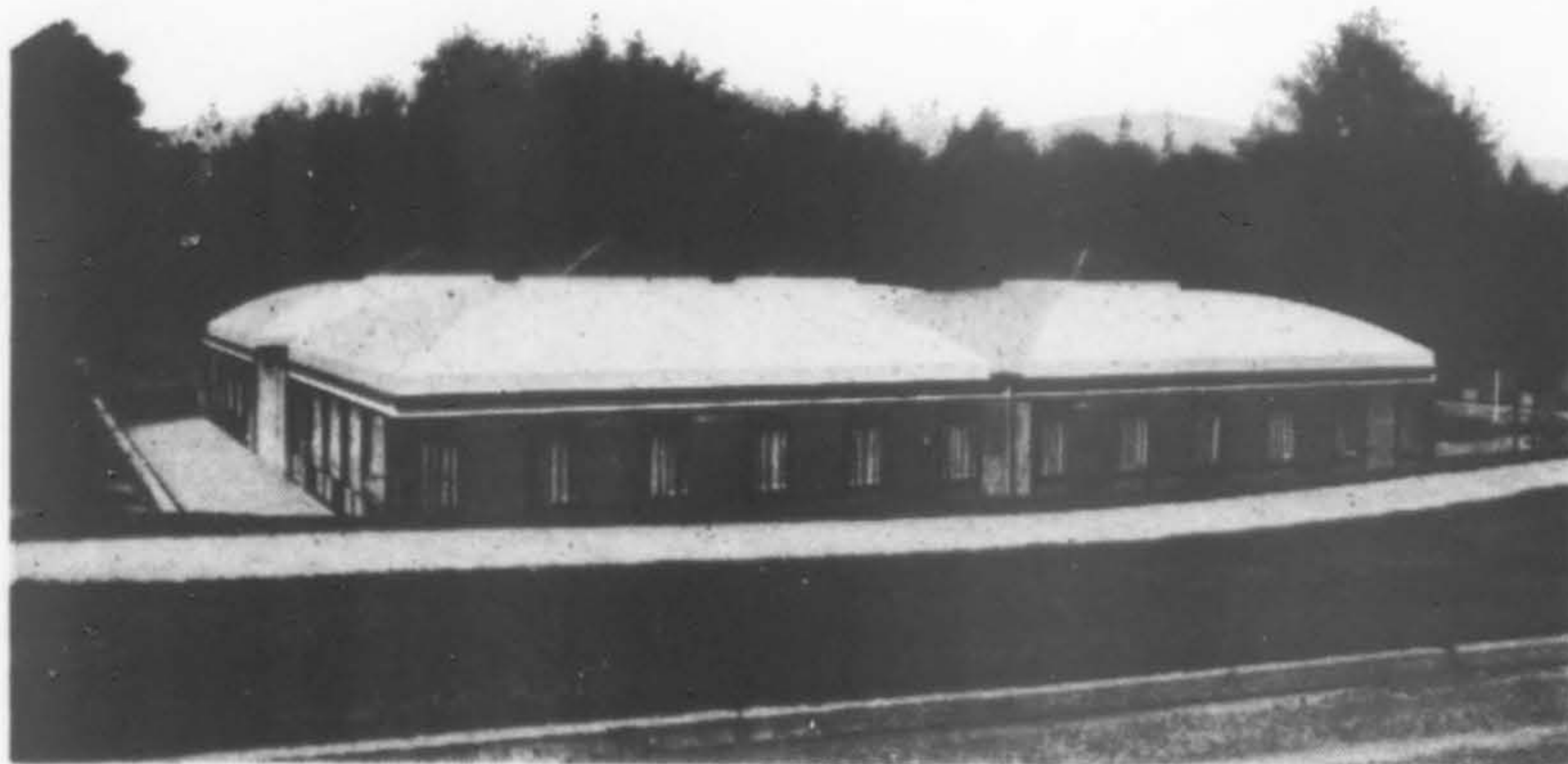


Gacoflex Roofing. Wolfe Grade School in Kentfield, California, was designed by Corlett and Spackman. To cover the plywood roof they specified Gacoflex in a special, soft yellow-gold color. The result? Two big advantages in one. First, the strength, bonding and waterproofing features of neoprene. Second, the weathering and colorability advantages of Hypalon. And something extra: because it is a seamless roofing system, Gacoflex also keeps roof lines clean and beautiful. Applicator: Jack Ostrander.



Gacotex Wall Coating. Here at Riverdale Elementary School near Ogden, Utah, architect John L. Piers, A.I.A., specified Gacoflex's textured fascia system. With good reason. Conventional materials crack readily in climate extremes, but tough, dependable Gacotex stands up against cracking in *all* kinds of weather—hot, cold, wet and rapid climate changes—and the fascia system is as waterproof as Gacoflex roofing. Then too, Gacotex is noted for its visually softening effect and its ability to enhance dramatic design. Available in some 20 standard colors, Gacotex can also be mixed to match. For this job, it was made up in a subtle deep brown color. Gacotex? The best of two worlds: beauty and durability. Applicator: Superior Roofing.

School!



Gacoflex Roofing. Nell Hoyt Grade School in Tacoma, Washington, had a plastic roof coating that was applied over plywood. Because of deterioration, delamination and discoloration, it was necessary to restore the surface and renew the color. Gacoflex Hypalon did both, and has stuck firmly to the job. Gacoflex has kept out all weather and remained attractive year after year. Applicator: Maintenance Department, Tacoma Public Schools.



Gacoflex Roofing. At Mercer Island Junior High in Washington State, the problem was to correct an eyesore. Nearly two acres of roofing—originally painted white—turned black as the white finish washed off. Also, the asphalt emulsion waterproofing needed protection. Gacoflex with Hypalon, came to the rescue. By using a sealing system, the asphalt was kept from staining through, and the precise tan color selected by the client kept its true shade. Today the roof maintains both its original beauty and its resistance to weather. Applicator: Crow Roofing.



Gacodeck. The original covering on this second-floor school deck, Oxnard High School in California, failed to stand up to the beating it took from thousands and thousands of youngsters walking over it. The cracked concrete surface began to leak badly, the soffit started to give way, and it became a dangerous hazard. This major renewal job called for Gacodeck with liquid base membrane and troweled Hypalon wearing surface. The Gacodeck system, applied directly over the cleaned-up concrete, has passed the test. It has given the deck both strong, wear-resistant protection and a lightweight, skidproof surface that is waterproof. Applicator: Eberhard Roofing.

Five schools with more than a handful of reasons why Gaco products can do the job and do it better than conventional materials. Shouldn't you give your next project Gaco protection?

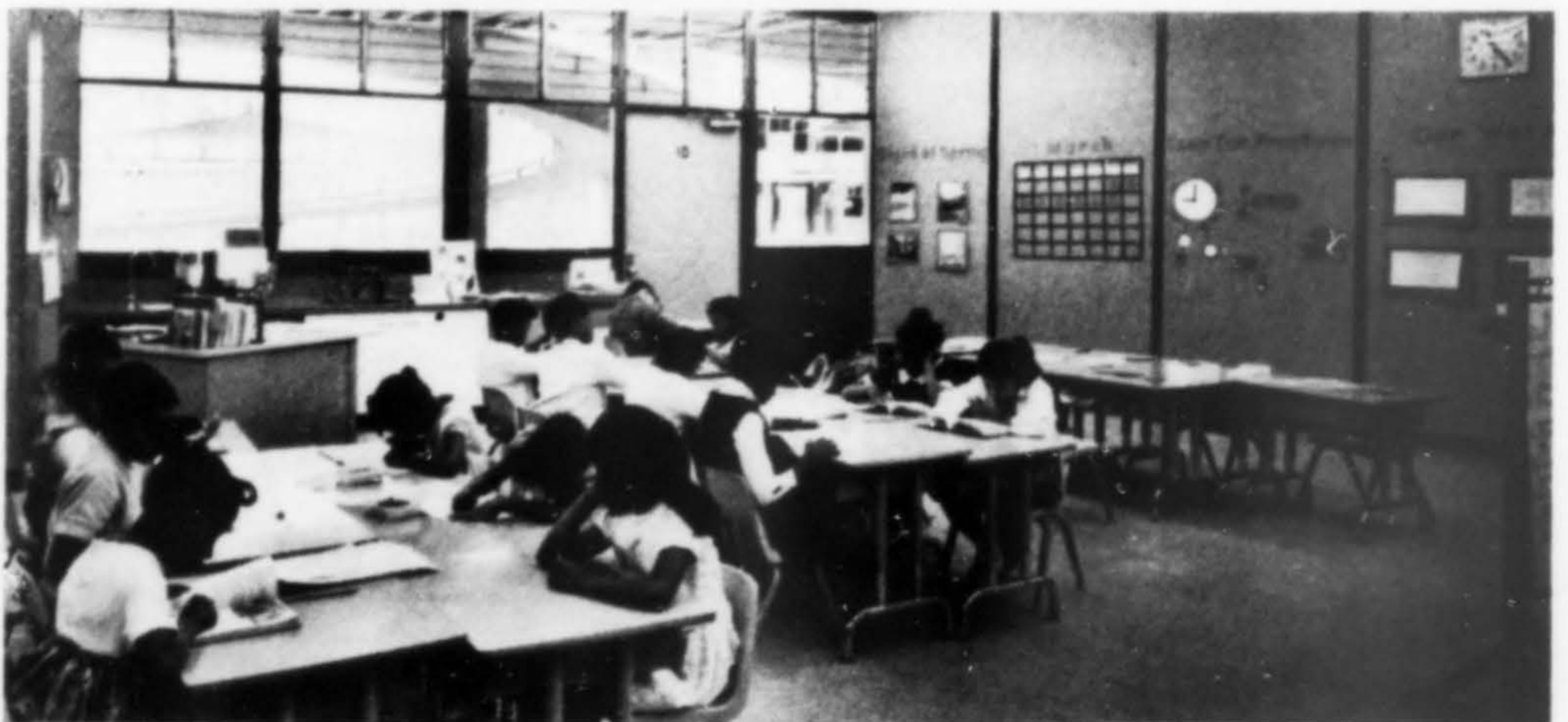
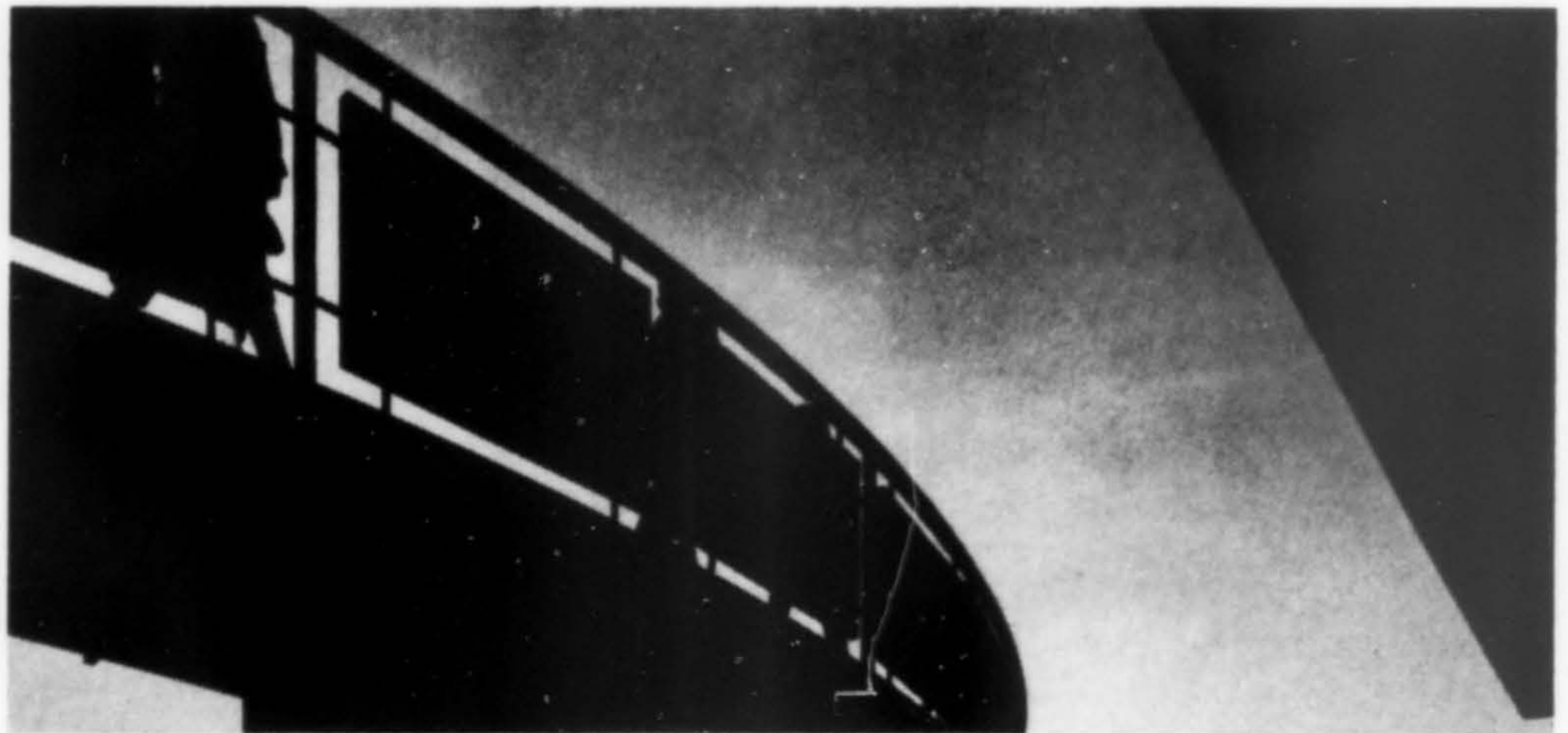


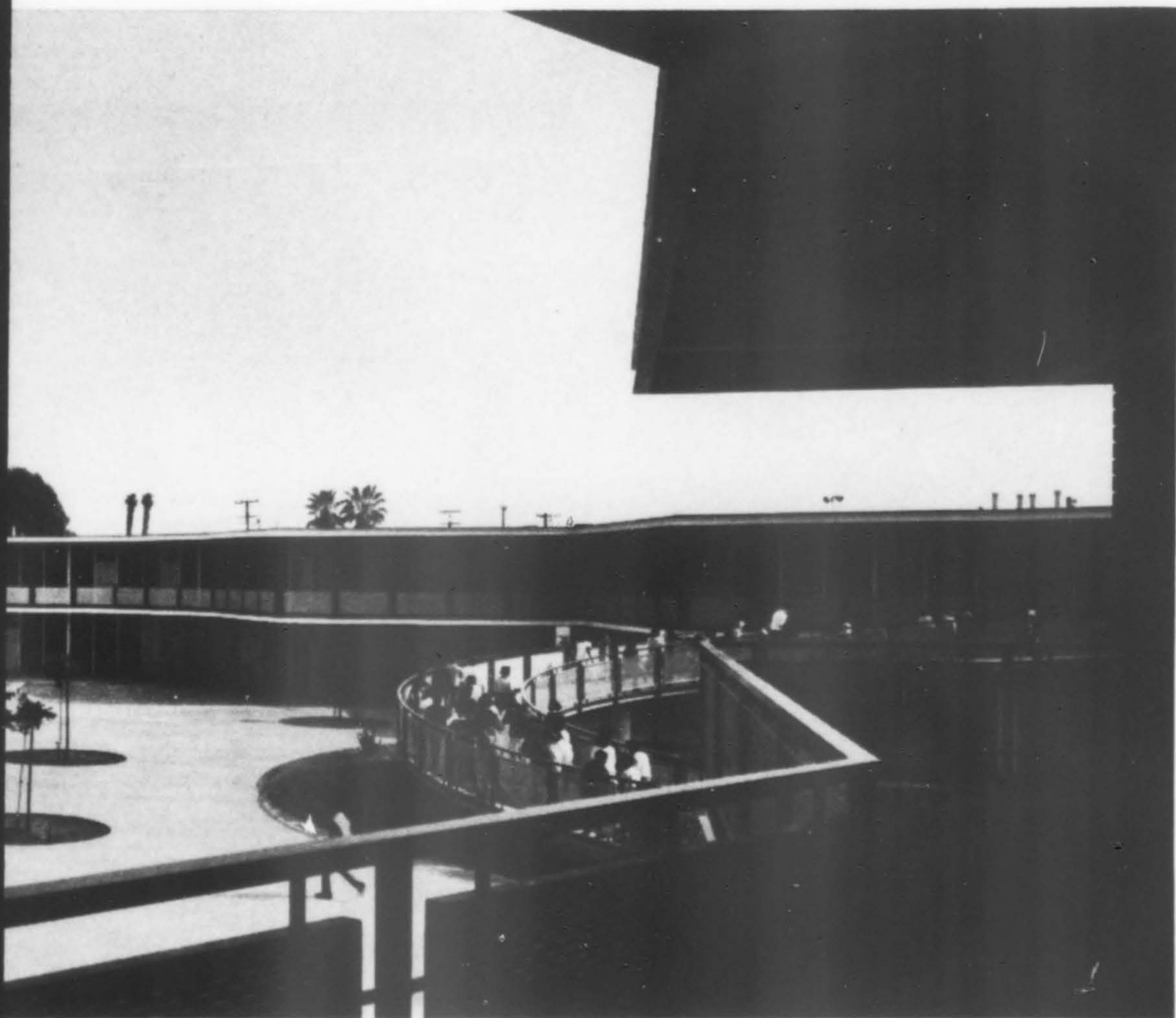
For specifications and samples, write Gaco Western, Inc., P.O. Box 88698 Tukwila Station, Seattle, Washington 98188, or contact your nearest Gaco representative: Hobart Bros., San Francisco; Wisdom Rubber Industries, Incorporated, Honolulu; Sealproof Construction Limited, Vancouver, B.C., and Gaco Western, Incorporated, Los Angeles, Denver, Salt Lake City and Portland.



School Prepared for Change

CLARENCE A. DICKISON ELEMENTARY SCHOOL, Compton, California
CARMICHAEL-KEMP, AIA, Architects





Bill Olson photos

SEVERAL GOALS were enumerated by the school administration for the design of this school to be located in a racially-mixed area. It was their desire to create a school with a warm motivating learning atmosphere which would inhibit vandalism and with obvious aesthetics in which the community would take pride. Moreover, the building was to function as a teaching tool to the district's educational philosophy. The structure would have to be so flexible that as funds for depressed areas become available, the program could become more intense in all disciplines. It anticipated that the pupil-teacher ratio would change drastically. Basic teaching spaces had to be designed to be adaptable without major structural changes to serve various size classes, ranging from one pupil and one teacher to 60 pupils with one or more teachers.

Land cost in the densely populated area was extremely high, determining the design of a two-story structure on the seven acres, a site that was not large enough for the typical one-story Southern California urban school. The building, accessible from three street sides, is placed snugly in the corner opposite the city park. The complex is composed of four essentially separate buildings informally grouped around a heavily landscaped court. Focus is all inward. The building is reinforced brick masonry with stack bond raked joints, exposed structural steel framing, expanded metal grilles over the windows.

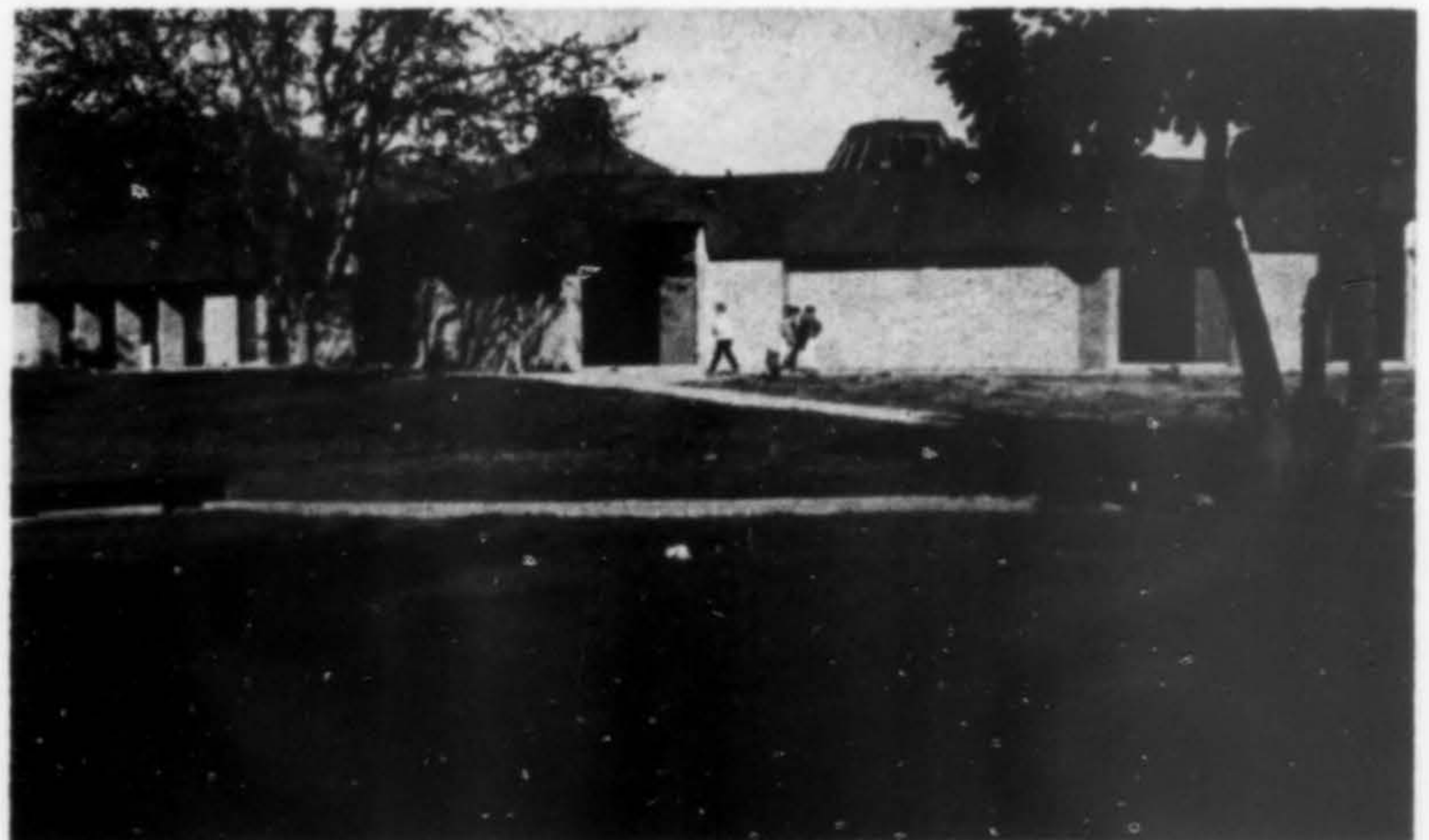


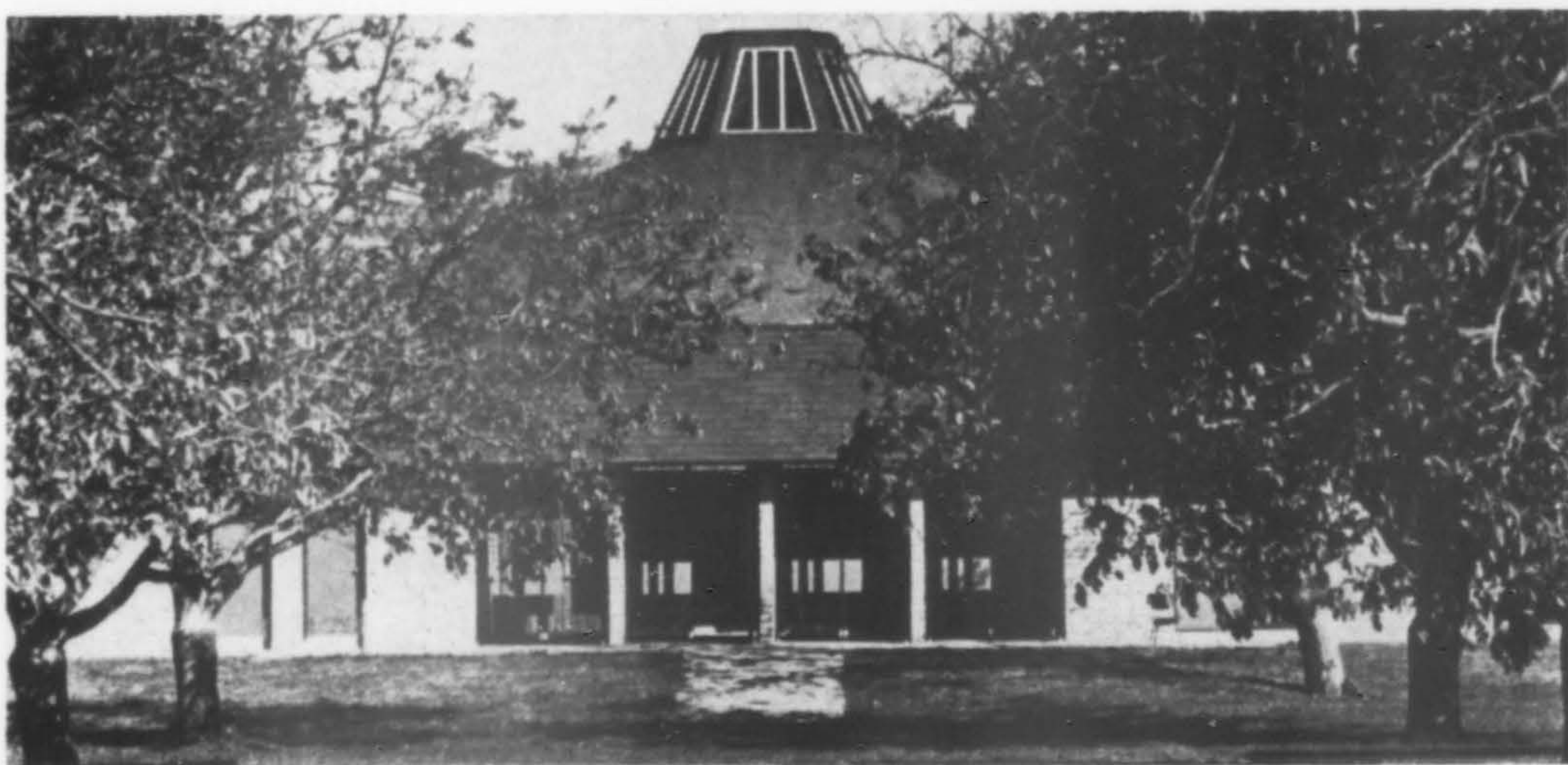


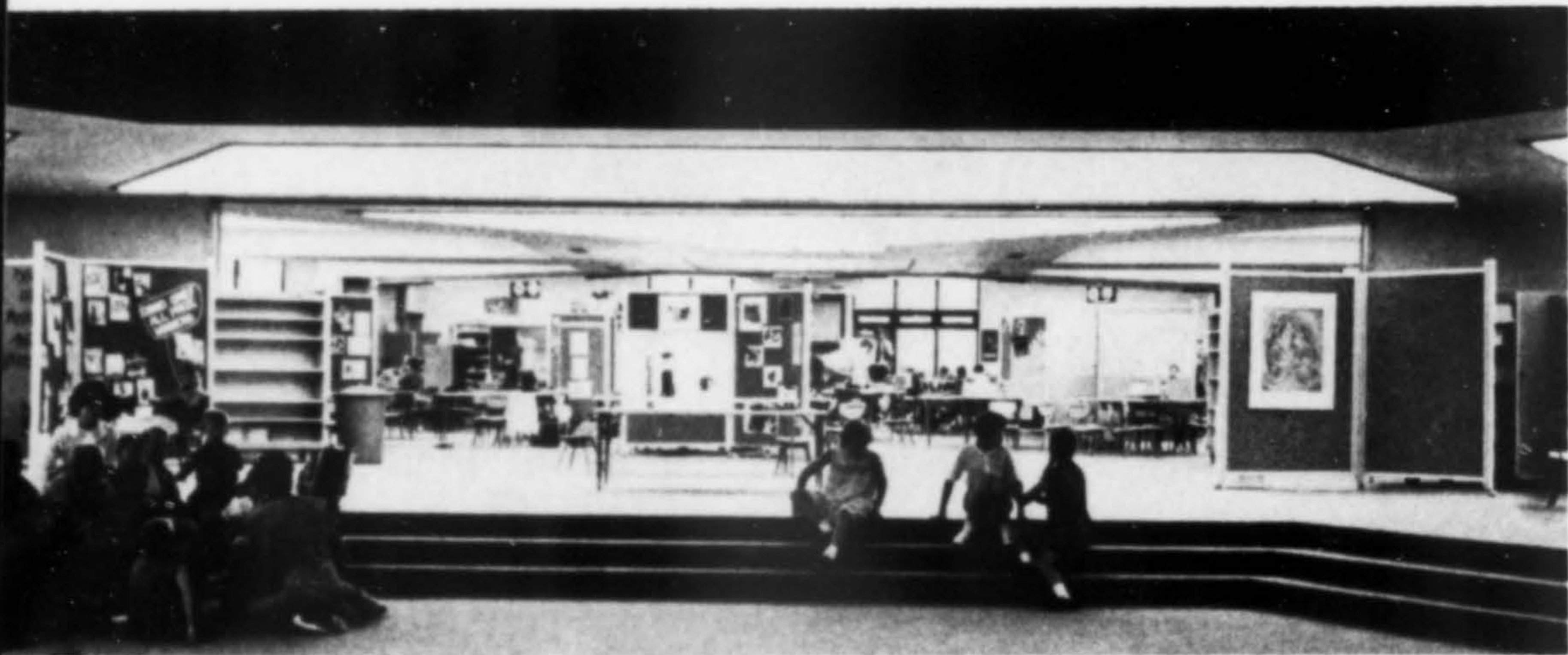
School in an Orchard

JOHN F. BALDWIN SCHOOL, Danville, California
AITKEN/COLLIN & ASSOCIATES, Architects
PAGNI CONSTRUCTION CO., Contractor

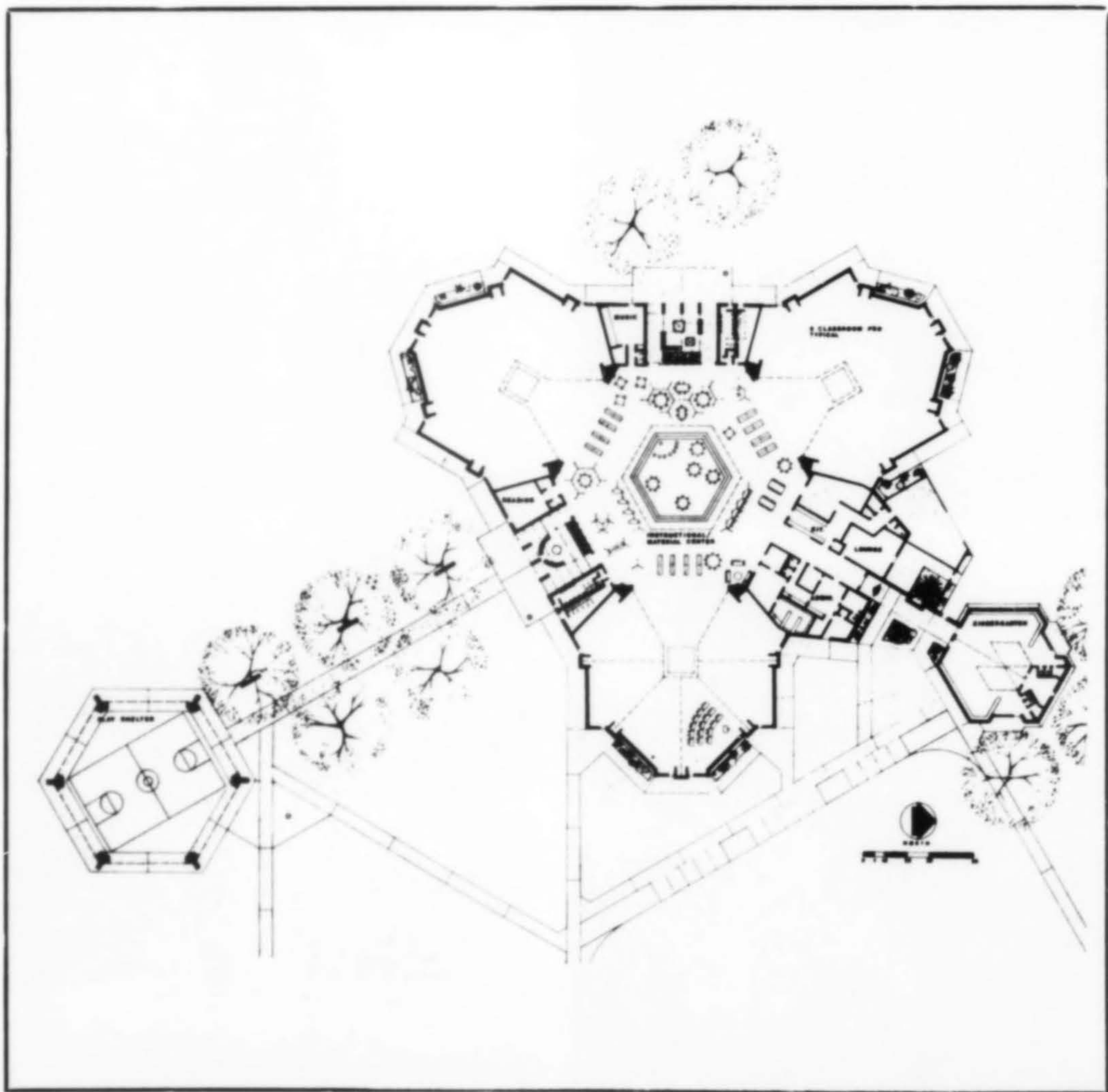
IN THIS ELEMENTARY school a central material center has been developed capable of functioning as a fully decentralized system wherein the total building is a library with learning centers throughout. Through the use of operable wall sections, the entire classroom and material center area can become one open and continuous space, free to house student groups of various size with project material placed where needed. Should the administration and staff prefer to work with contained classrooms, the instructional/material center will remain the backbone of the school. Outside space, as a space for learning, has added significance for this school. The site was a full, mature orchard of English and Black Walnut trees and every effort was made to preserve the healthy trees. Exterior walls are of 4-in. slump stone veneer, with glulam roof beams and plywood roof deck. Building cost was \$741,933 for 37,593 sq. ft. (\$19.73/sq. ft.).

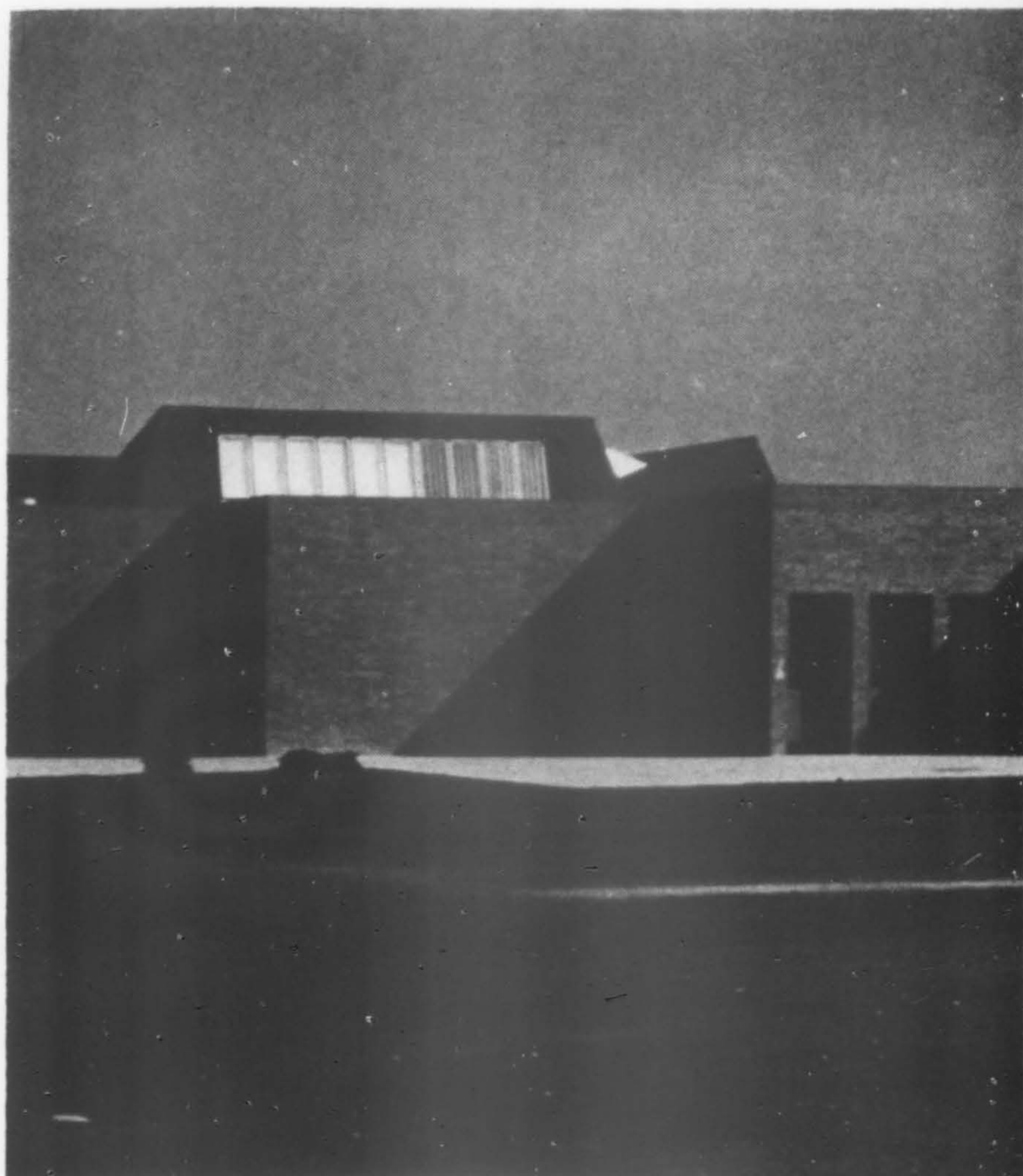






School in an Orchard

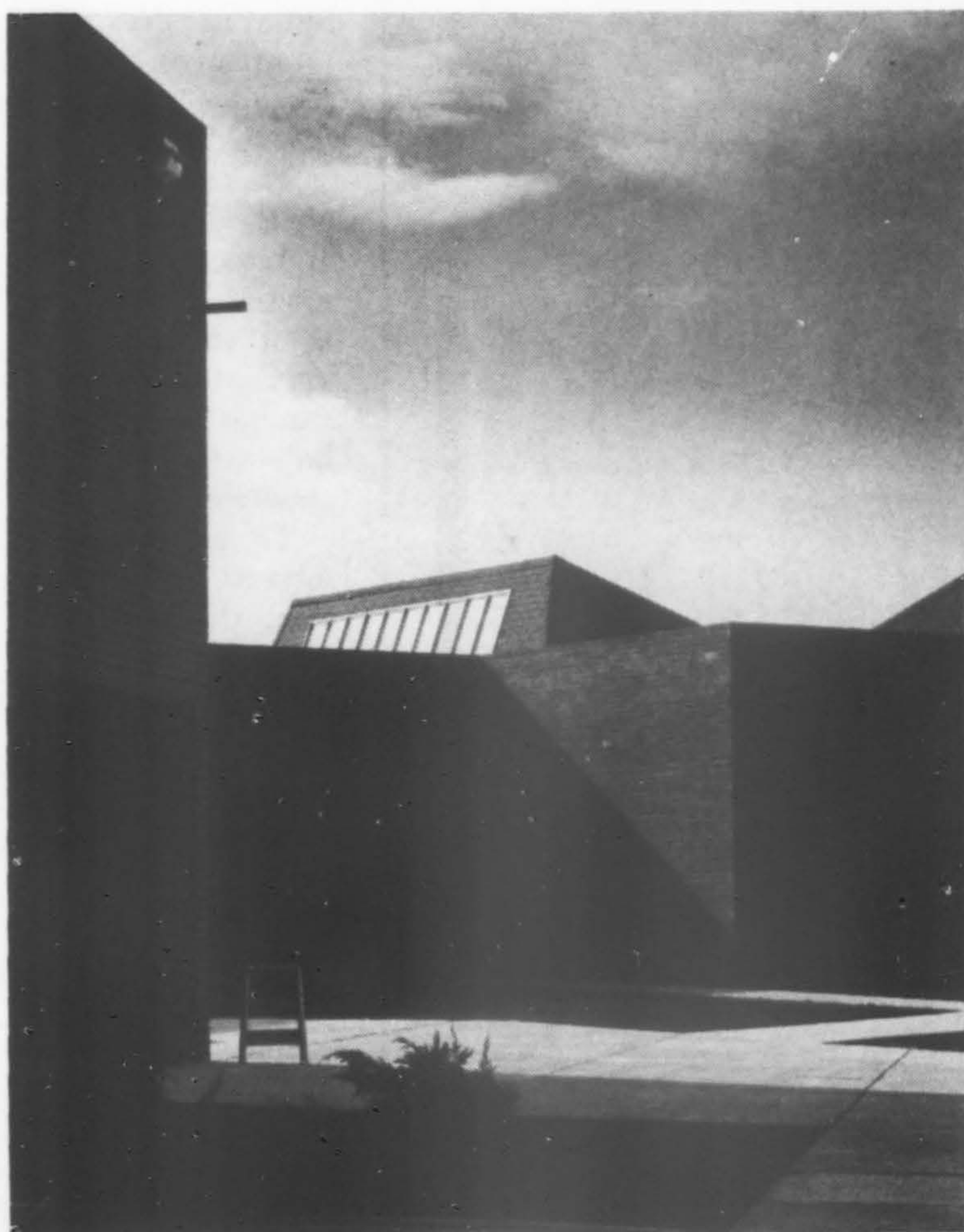


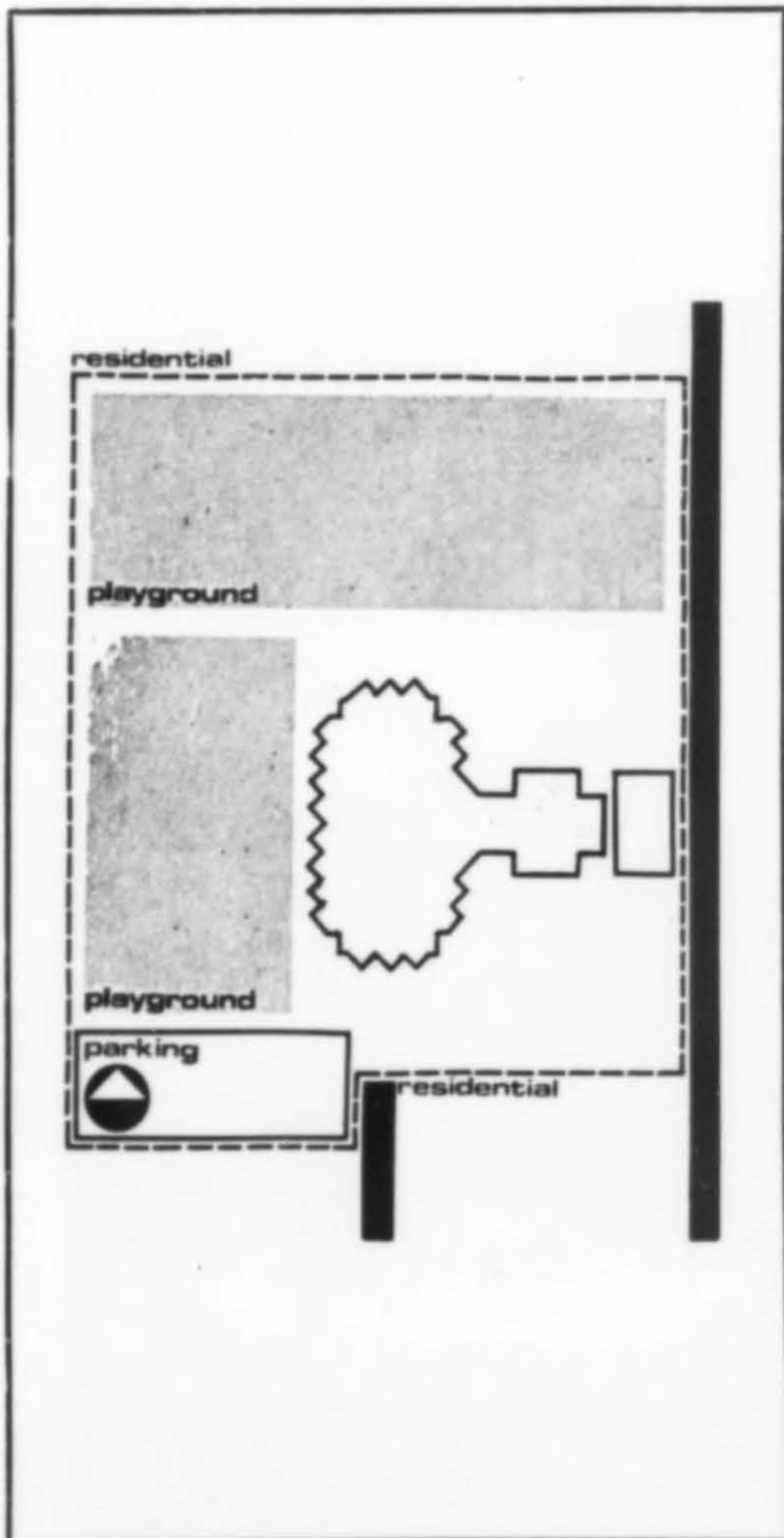


For Individual Emphasis

PROSPECT VALLEY ELEMENTARY SCHOOL
Wheatridge, Colorado

ROGERS/NAGEL/LANGHART, Architects





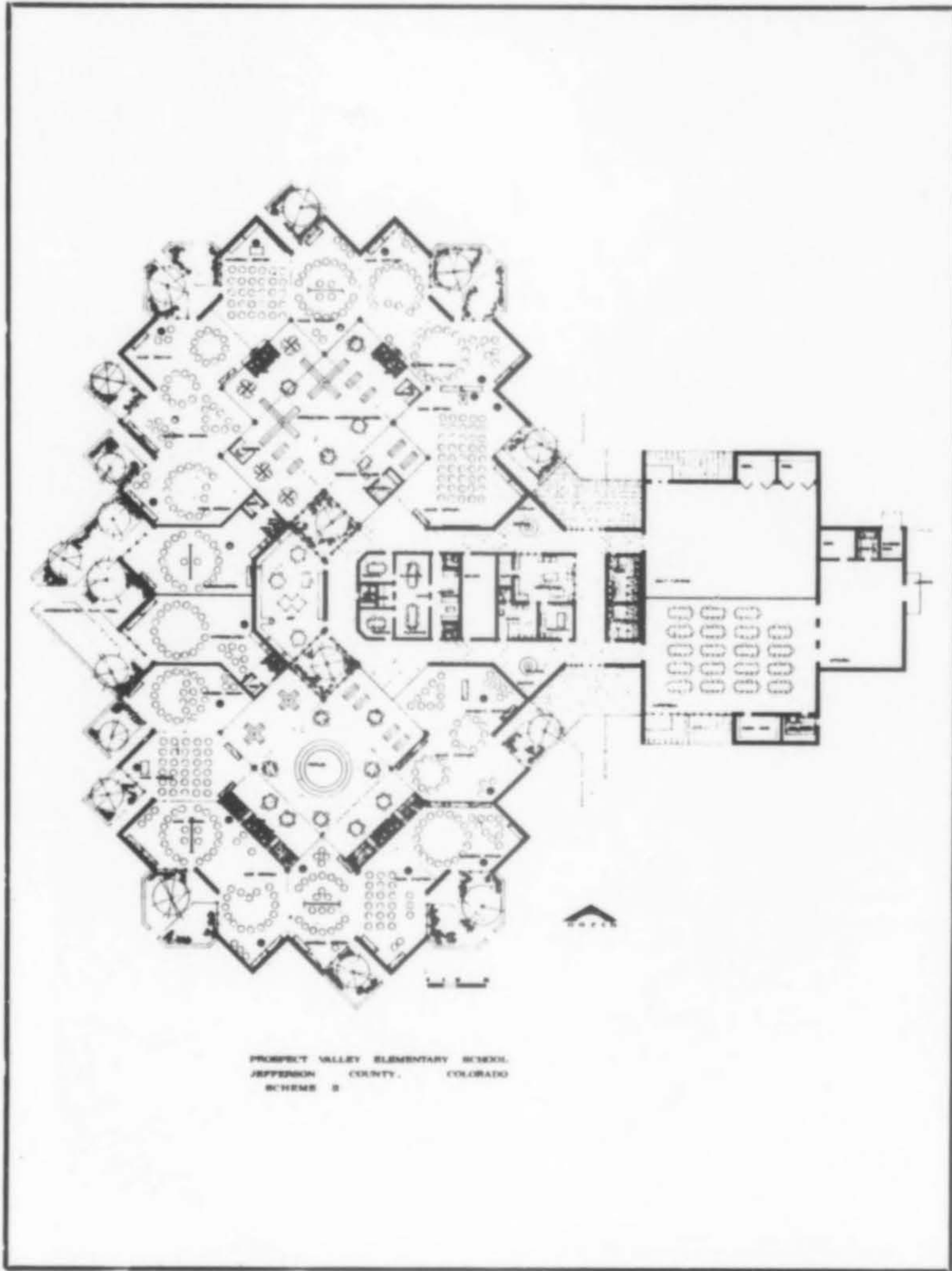
REQUIREMENTS set forth were for a building that would accommodate a progressive educational program which proposes greater emphasis on the individual child.

There are no interior walls in any of the academic areas. Instead, the architects have designed five-foot-high mobile cabinets which may be utilized in a variety of ways: as wardrobes, bookcases, teacher stations or general storage units. Their chief function, however, is to divide and partition classroom spaces.

To stimulate the children's visual interest and enhance their self-expression, the architects have incorporated several unique ideas into the building: (1) multi-height ceilings for scale variations; (2) a warm, but subdued, color scheme for interiors; (3) color and texture changes to designate traffic ways, lavatory facilities and exits; (4) skylighted "indoor-outdoor" nature areas.

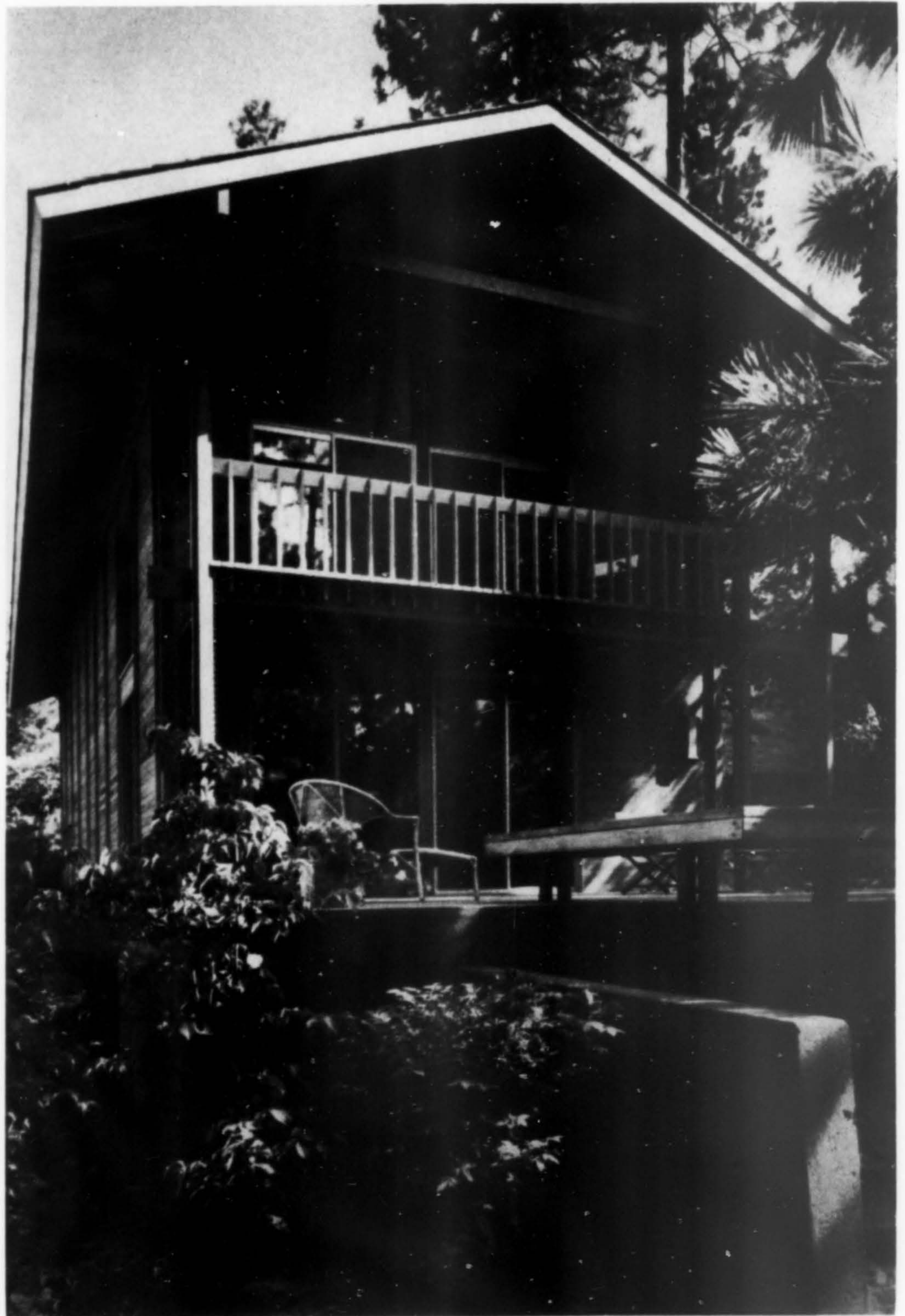
The exterior of the school is red brick, simply and appropriately detailed. Building cost, exclusive of land, landscaping, fees and fixtures, was \$547,943 (\$13.60/sq. ft.). In 1968, the Western Mountain region, AIA, accorded the school a design award.



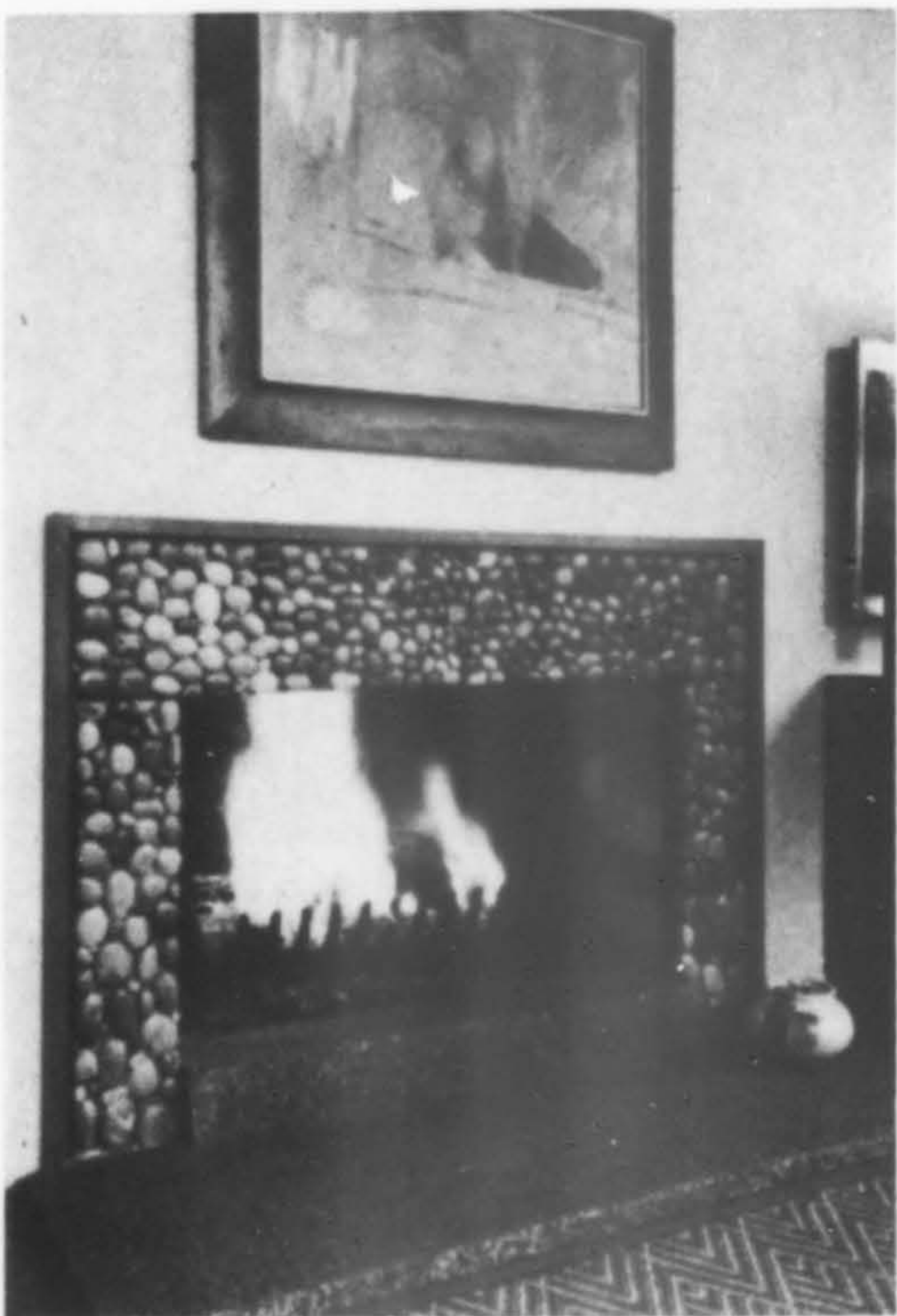
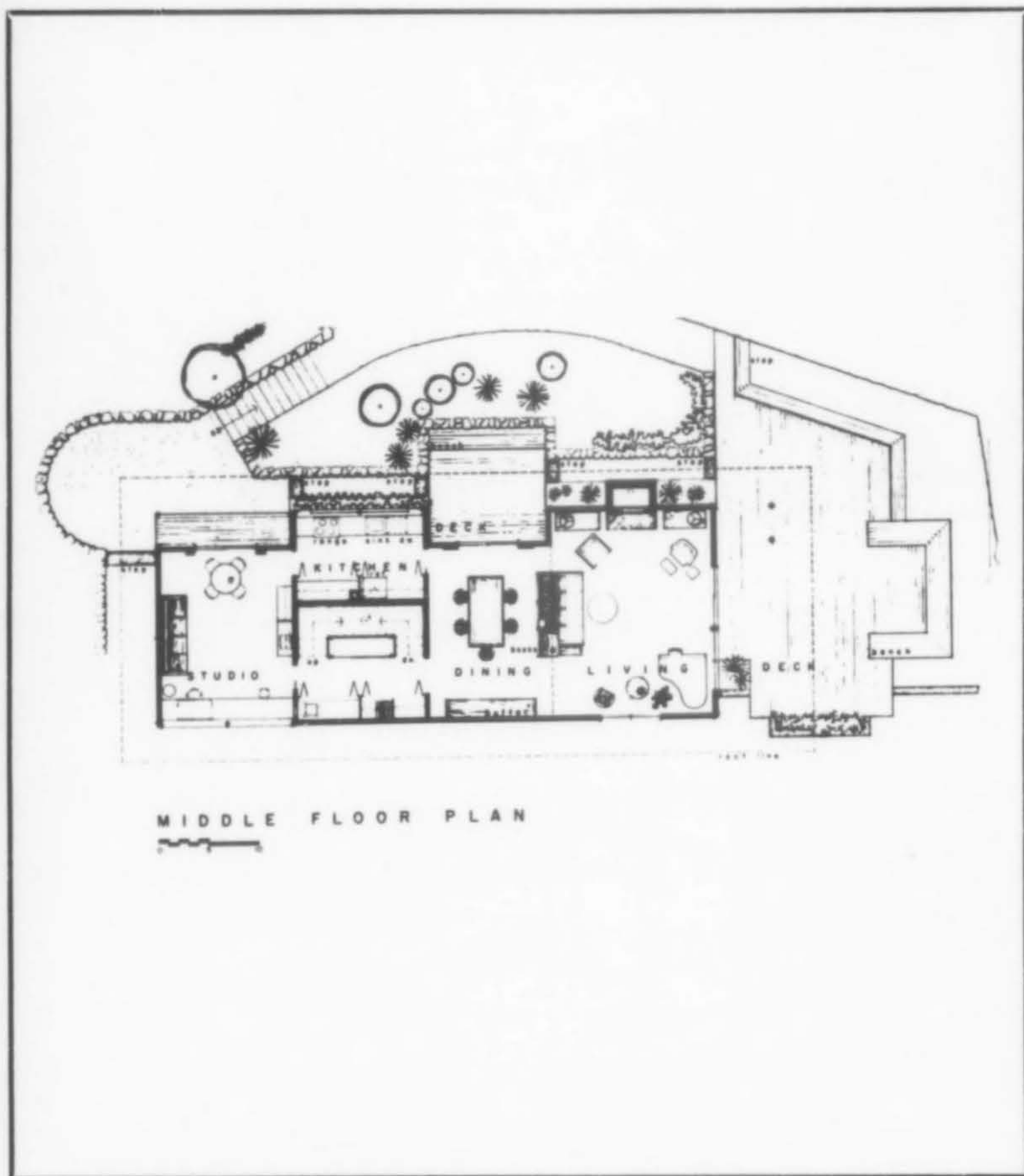


For Individual Emphasis





Charles Pearson photo



Don Normark photos unless otherwise noted

Changed as Built

TROGDON RESIDENCE
Spokane, Washington

WILLIAM H. TROGDON, Architect

THE SITE WAS extremely restrictive both in width and depth and in its 40-ft. grade difference from front to rear. The completed house actually touches the set-back line on three of its four corners. The house was designed for a family of four: husband, wife and two boys, ages 8 and 9. Before construction was completed, the family was enlarged by a mother-in-law in residence and the arrival of a new baby. The two-story living room was cut down to conventional height to provide two new bedrooms above it, one for the baby and a new master bedroom. The former master bedroom became a study. The house now lends itself unusually well to occupancy by widely diverse ages. The building is wood frame with reinforced concrete walls. Exterior walls are stained inland cedar siding, with a cedar shingle roof, redwood decks and balconies.

The Spokane Chapter, AIA, cited the house with an Honor Award in 1967.



Products in Action

L-O-F Vision Glass and Tuf-flex Tempered Glass Doors

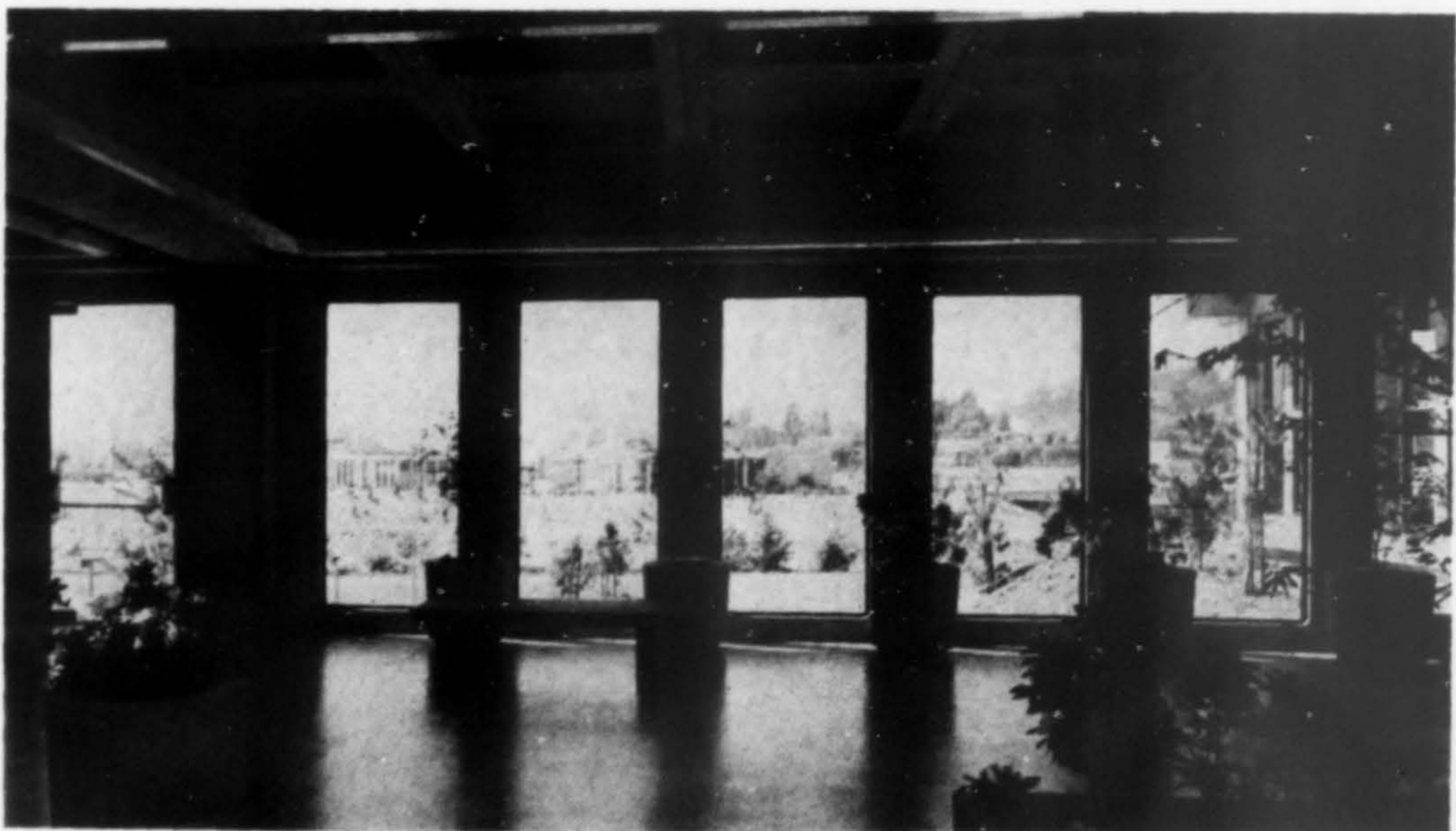
THE NEW Governmental Center in Santa Cruz, California, is a two-building administrative and courts project designed by architects Rockwell & Banwell. Employed are such indoor-outdoor unification techniques as glass expanses nearly nine feet high, sunscreens which vary the values and patterns of daylight brought inside, and a connecting bridge between the two buildings which permits environmental enjoyment in all types of weather.

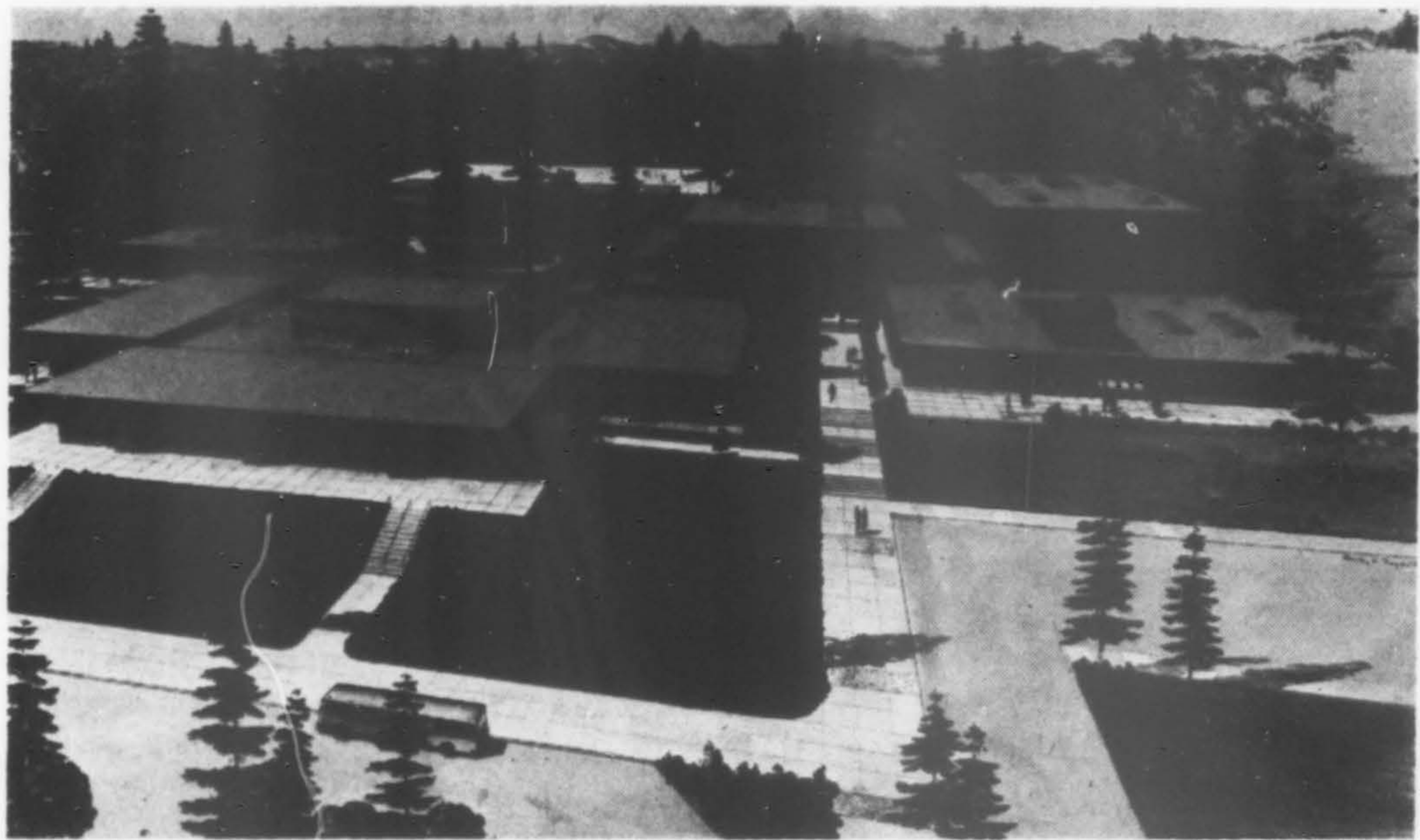
The basic concept of the design is a five-story office building and a one-story courts building, anticipating future expansion. Exteriors of the structures are cast-in-place and precast concrete elements faced with white aggregate. More than 20,000-sq. ft. of Libbey-Owens-Ford plate glass, including tempered glass doors, were specified throughout. Precast sunscreen, extending over glass areas and reaching to the floor, result in vertical strips of daylight interplaying in office areas. The screens protect against brightness and indoor solar heat buildup, yet do not completely shade the glass areas.

In the connecting "environmental bridge", a system of L-O-F glass, Tuf-flex tempered glass doors and concrete enables employees and visitors to absorb the outdoor atmosphere while passing between buildings. The glass expanses tend to make the indoor area more roomy and cheerful while acting as a "see-through" windscreen. Glass doors are used liberally throughout the ground level—at major entrance areas

as well as at interior sections joining the building with the bridge. The Tuf-flex doors in the bridge and courts building entrance approximate the size of the vision glass expanses (all 26 doors in the complex are at least eight feet high). Each door is designed for elegance in its own right, playing a major role in creating the desired structural appearance. The tempered polished plate glass doors have radius corners at the top, carrying through the radius corner treatment and Spanish styling of the regular window areas. Door fittings were custom designed.

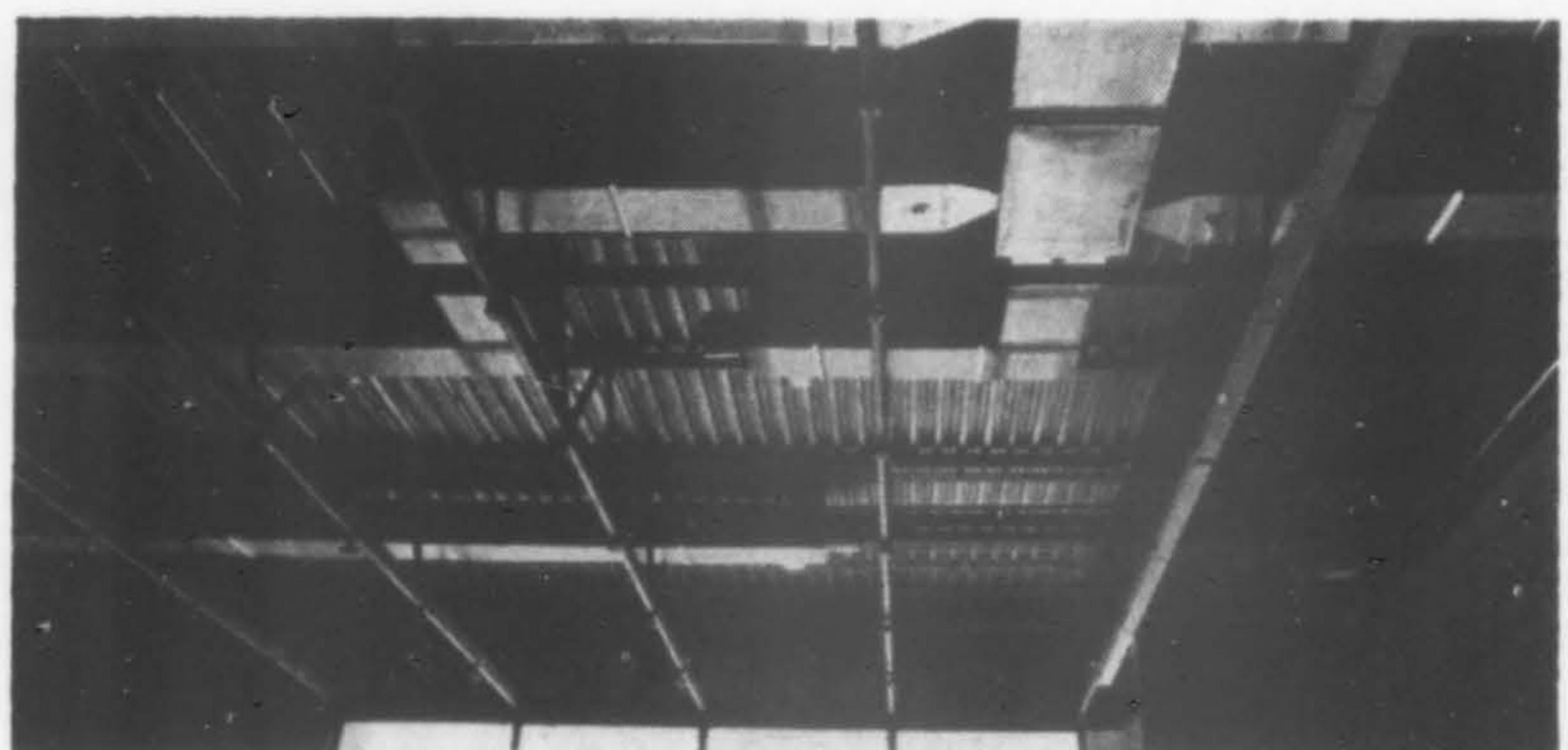
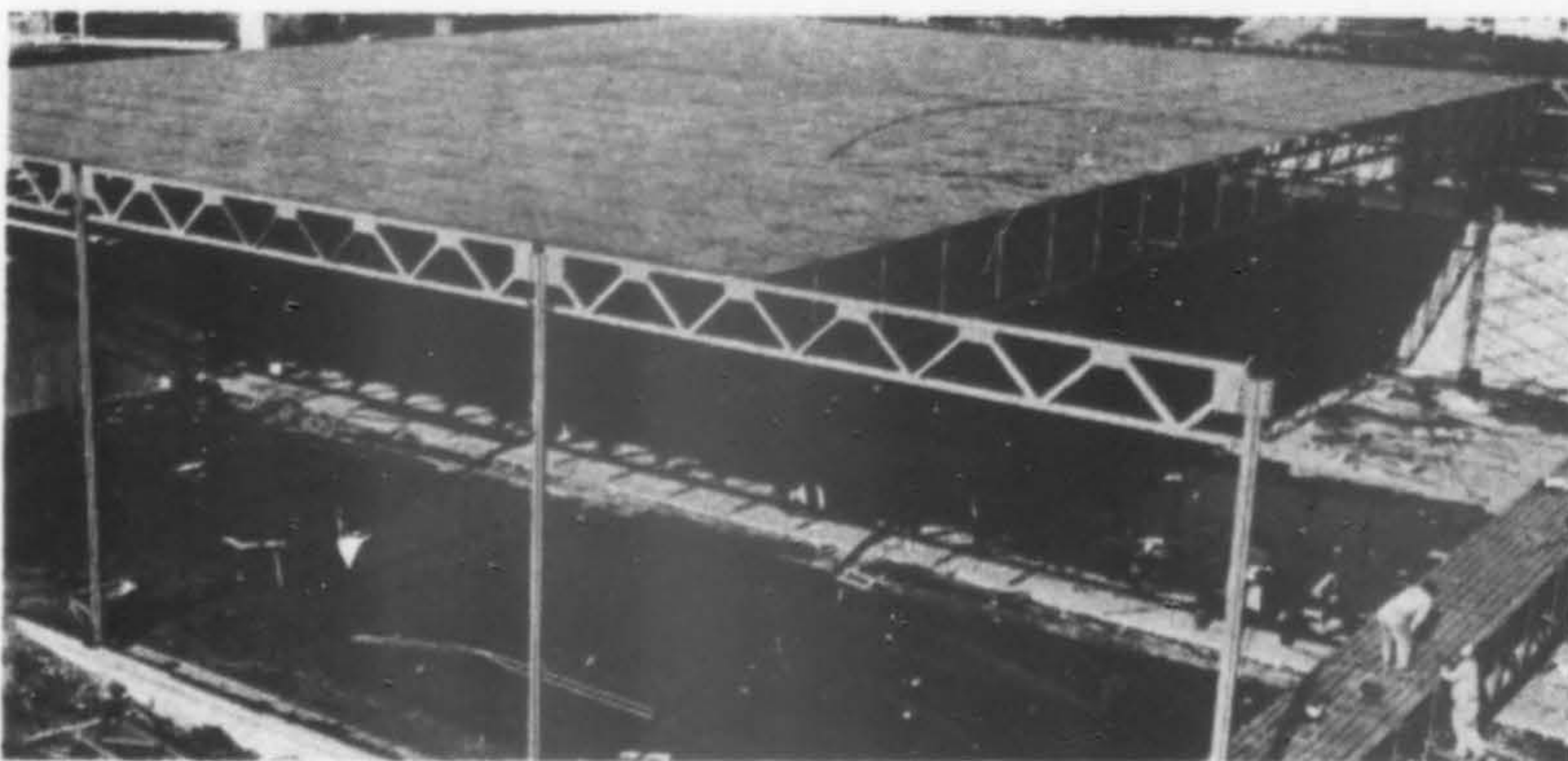
Cobbledick-Kibbe Glass Company furnished the Tuf-flex tempered glass doors and vision glass, installed by McLeod Glass Company.





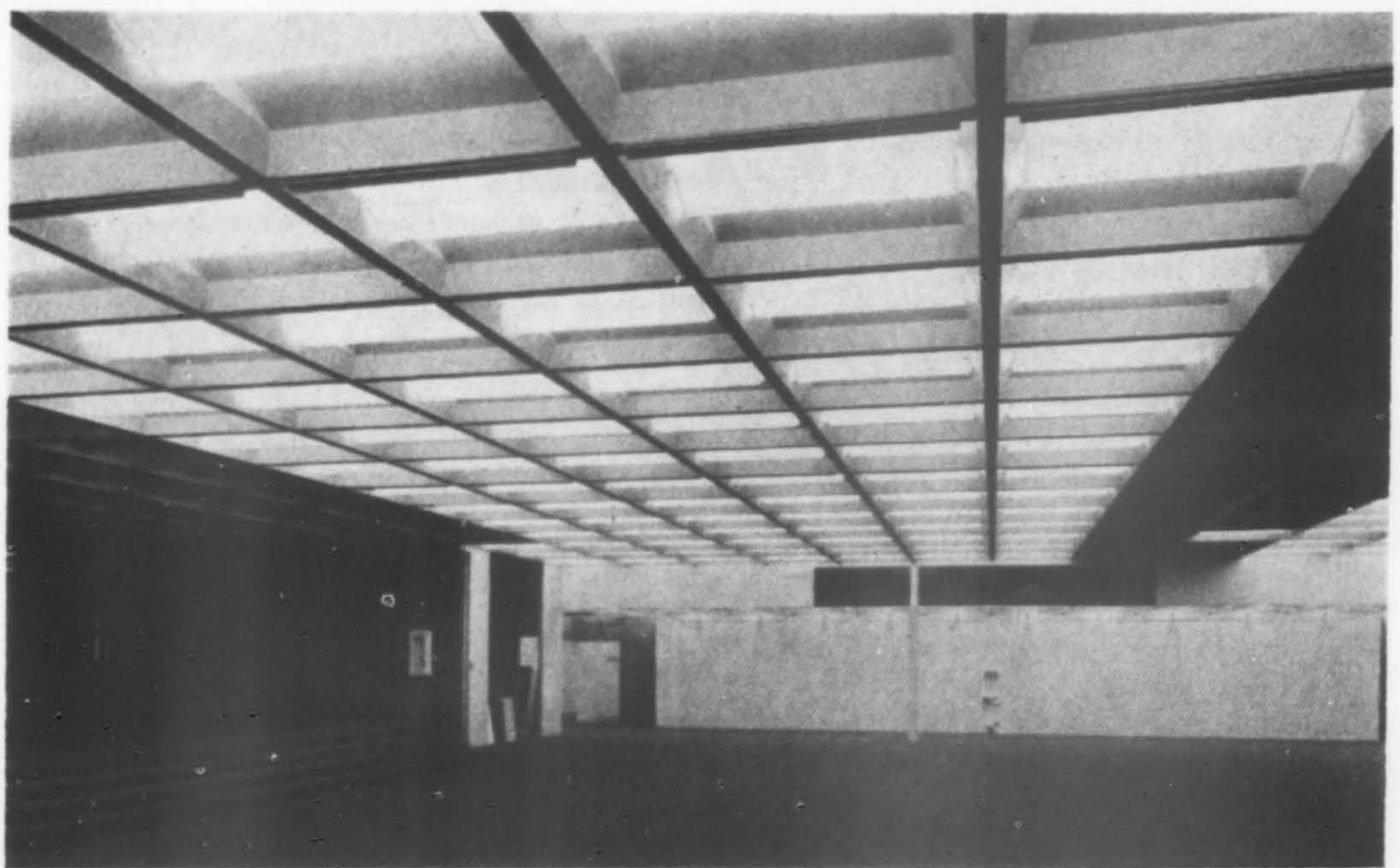
Methods and Materials

SCHOOL SYSTEMS DEVELOPMENT
Bellevue, Washington



UTILIZING the first schools construction development system (SCDS) in the state of Washington, architect Gayne L. Jones & Associates worked closely with the suppliers and fabricators of the systems in designing the Interlake High School complex. The buildings are concrete slab on grade, steel columns, open web steel girders and joists and steel decks (Inland Steel). All fascia and exterior walls are sheathed in 18-gauge weather sheet steel (Cor-Ten), also a first in the state.

Interior partitions are demountable metal partitions (Hauserman) with special acoustic adaptation to give 42 d.b. transmission loss. Special acoustical treatment and consideration was given to all areas. Multi-use walls (operable walls by Advanced Equipment and Modernfold) were also treated for sound absorption as is the folding wall of the drama area. A suspended ceiling/lighting system (Inland Steel) provides special acoustical properties 42 d.b. transmission loss. Extra fiberglass blankets were laid above the ceiling system to prevent crosstalk at critical areas such as administration conference rooms. Lighting was designed for low contrast, low intensity levels of 70 f.c. at typical classroom areas, 100 f.c. at special areas. The fixtures are 5'x5'



coffers with surface mount and luminous ceiling units in some areas. Heating and air conditioning are provided through roof-mounted multi-zone gas fired package air units (Lennox).

Interlake is the fourth high school built in the rapidly expanding suburban area to the east of Seattle. It provides 164,200 sq. ft. of usable space, accommodating approximately 1,500 students, in the three upper grade levels.

Brazier Construction Co., Inc., was general contractor on the school; Pease & Sons, Inc., mechanical, and Ewing Electric, Inc., electrical. Consultants were Charles E. Kitchin, structural; Valentine, Fisher & Tomlinson, mechanical and electrical; Robin M. Towne & Associates, acoustical; Harstad & Associates, Inc., site, and James L. Lambert, food service. The Cor-Ten sheathing was supplied by Zesbaugh, Inc.

A/W Product Highlights

Valencia Ceramic Tile

Vitreous-glazed "Valencia" tile, latest in a line of original tile motifs fashioned after Old World ceramics, is offered by Latco in warm, earthy tones and a handcrafted appearance with modern specifications for hardness, non-absorption and resistance to acids, stains, frost and heat. Colors range from a rich dark brown to an off-white clouded with grey, with six tones in between. The tiles, in 3"x3" squares, are applicable for both interior and exterior installations, floor and wall.—Latco, 3371 Glendale Blvd., Los Angeles 90039.

Heat Gain Calculator

A quick, convenient method of calculating total heat gain through glass areas is offered to architects, engi-



neers and builders in a new tool available from Libbey-Owens-Ford Company. The calculator is a flat, compact slide-chart, adaptable to virtually any building design situation. ASHRAE solar heat gain factors are listed in Btu per hour-square foot for the 21st of each month and for selected latitudes of 24° through 56° N. Shading coefficients for regular and heat-absorbing glasses are included. Also provided are direct readings of heat gain due to temperature differential between indoor and outdoor air. 35c.—Libbey-Owens-Ford Co., 811 Madison, Toledo, Ohio 43624.

Fragment, Velvet Fabric

Four new fabric designs from Knoll's International Print Collection include Delta, Stones, Fragment and Collage. The silk-screened prints were designed by Wolfgang Bauer. They are printed on 100% cotton velvet, 47" wide, in vivid reds, blues, greens, hot pink, copper, gold, black and brown. Principal colors in Fragment are red, blue and orange.—Knoll Associates, 320 Park Ave., New York 10022.

Ceiling System Dual Rating

A new ceiling suspension system, Conwed's UL Test #280-2 hour, is said to be the first 30"x60" unit in the industry to be fire-rated for more than one type of construction. The system permits use of expanded lath, corrugated steel, fluted beam having a 2½-hour design time, joist spacings up to 30" o.c. and hangar wire spacings up to 60" o.c. The 280-2 hour ceiling design allows up to 25% ceiling area for either 2'x4' or 30"x60" recessed lighting fixtures. Ventilating or non-ventilating 5/8" Conwed fire-rated ceiling panels are all permitted under the #280-2 hour ceiling design. —Conwed Corp., 332 Minnesota St., St. Paul, Minn. 55101.

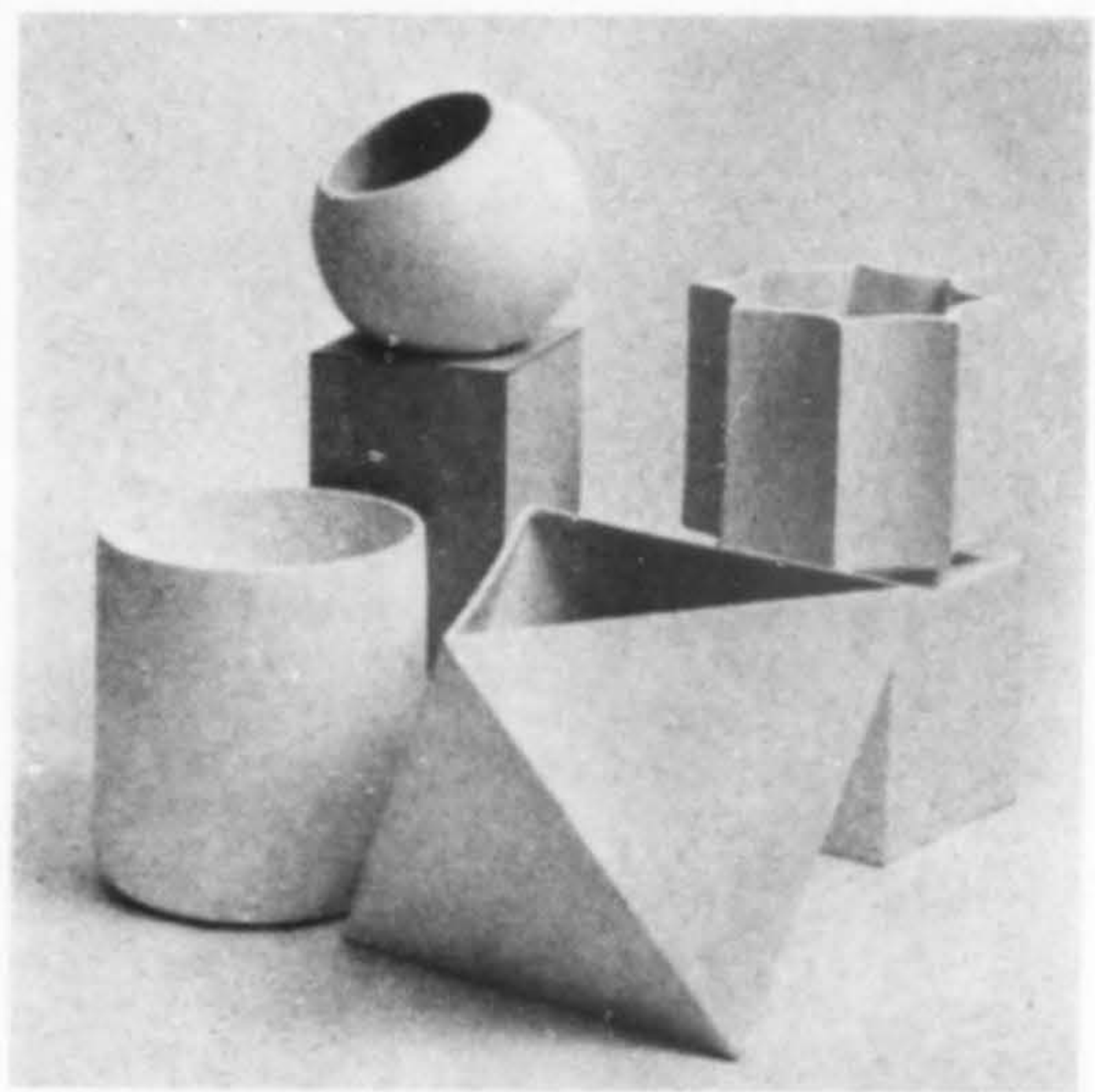
Aluminum Facade

Alcan Aluminum Facade, an exterior facing said to offer a revolutionary way to improve a building's appearance at a low cost, uses a building block approach. The facade utilizes deep-formed aluminum panels that interlock, without fasteners, to become a strong, self-supporting unit. Installation is said to be up to 50% faster than conventional methods because of the custom prefabricated panels, channels and other materials. Alcan Facade is available in a wide variety of sizes, styles, contours, textures and color choices. Manufactured from a special Alcan aluminum alloy, the facade is finished with a durable baked enamel that is promulgated not to chip, blister, peel or require painting for many years.—Alcan Aluminum Corp., Building Products Div., 100 Erieview Plaza, Cleveland, Ohio 44114.

Panel Reflectance Reduced

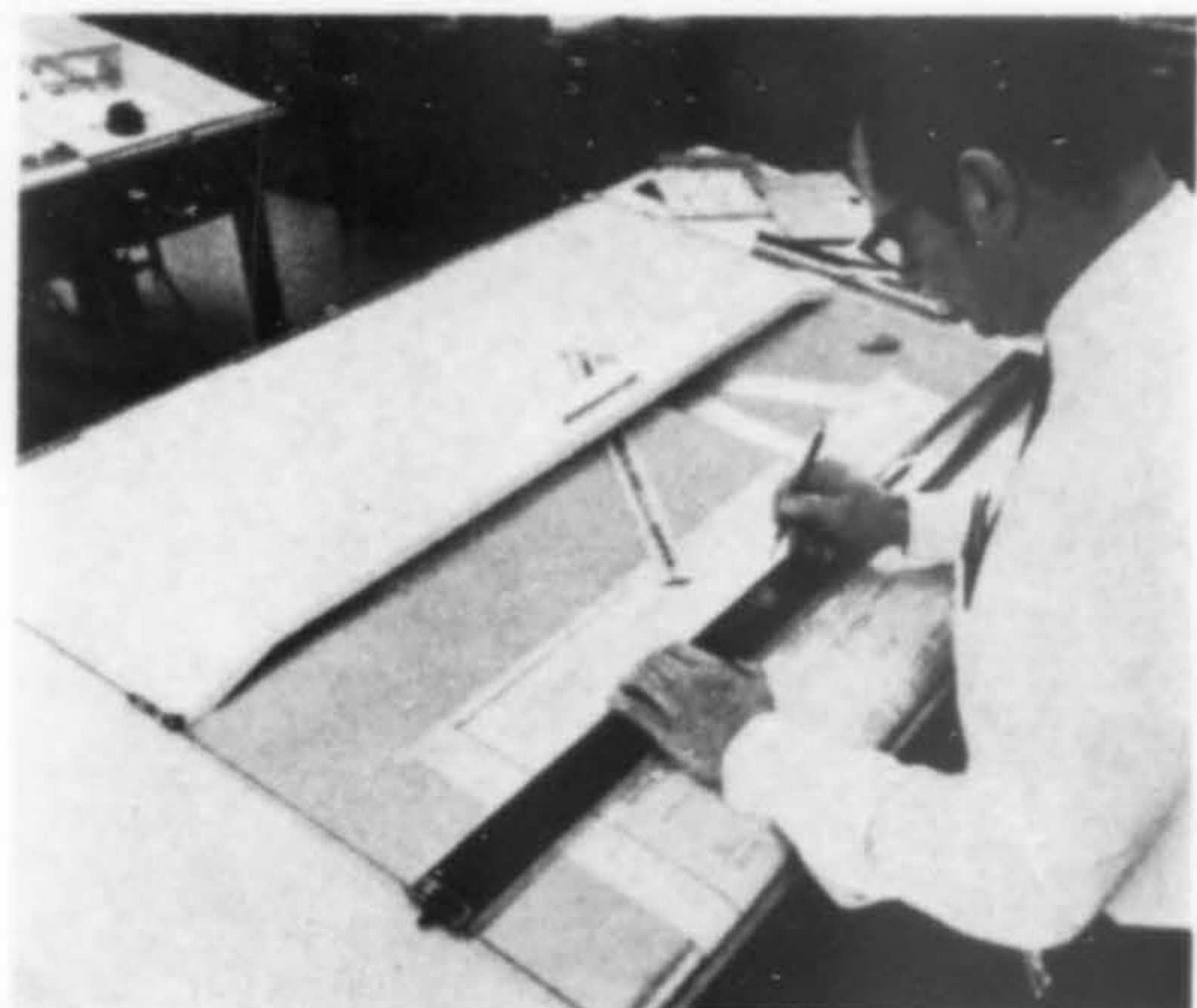
"New Natural," a recently developed finishing process is claimed to substantially reduce surface reflectance in Bestile's Theme-Line prefinished hardboard panels. Tests with a 60° specular gloss meter show that reflectance ratings for the line are an unobtrusive 12 to 15 for smooth panels, as low as 10 for textured panels. Theme-Line panels are of alkyd-melamine, permanently bonded to the panel by baking at 450°F. The selection includes smooth panels in 12 wood grain patterns and 10 colors; textured panels in three wood grains, three colors and three chambrays.—Bestile Manufacturing Co., 621 South Bon View Ave., Ontario, Calif. 91764.

Terra Alba Planters



Terra Alba—white earth—is the basis of a new line of architectural planters and containers offered by Pyro Media. The firm also offers an unusual variety of other pottery shapes in handsome matte finish colors. Pedestals are available in a high pressure laminate to blend with the pieces as well as ceramic bases and natural wood finishes on special order.—Pyro Media, 1154 15th Avenue E., Seattle, Wash. 98102.

Speedraft Time Saver



Speedraft, a new drafting device said to solve the problem of leaning up over your drafting table to work near the top, is a bridge which is attached to a plastic sheet upon which you tape your work piece. This bridge works off the same cord as the parallel rule, permitting workers to pull the hard-to-reach areas into convenient working distance. The kit can be mounted on the existing drafting board in approximately one-half hour. Speedraft is assembled of a base sheet of 7.5 mil mylar, the channel protecting the drawing as it bends around the roller at the front edge of the table is 16 gauge steel. —Vanberg Industries, Inc., P.O. Box 976, Alliance, Ohio 44601.

Literature

Plywood Rigid Frames



Complete design information on plywood rigid frames is given in a manual issued by American Plywood Association. General and specific design information includes tables for selecting frame members for various spans in both vertical and slant-leg buildings and recommendations for siding and roof decking. Foundation and truss anchorage details are available as well as cutting diagrams for the frames and plywood gussets for each of the truss patterns. Form No. 69-330.—American Plywood Association, 1119 A Street, Tacoma, Wash. 98401.

Heating/Cooling Units

"The Beautiful Generation of Total Comfort Packages" is a full color brochure providing general and technical information on the new Climatrol 150-1 single package, gas heating/electric cooling unit for apartments, commercial buildings and residential use. 12-pp.—Climatrol Industries, Inc., P.O. Box 401, Milwaukee, Wisconsin 53201.

Franciscan Terra Grande Tile

A new line of ceramic tile, Franciscan Terra Grande, is vividly illustrated in a new brochure just published by Interpace. A grouping of tile in each color shows the shade variations, featuring both smooth and textured finishes. Four-color reproductions of actual installations illustrate the various areas in which this tile can be utilized. Specifications and a list of showrooms and distributors are included. 6-pp.—Interpace, 2901 Los Feliz Blvd., Los Angeles, Calif. 90039.

Food Service Design Ideas

An attractive full-color guide of design ideas shows actual examples of how restaurant, cafeteria, kitchen and Selector equipment from Bastian-Blessing has helped food service operators develop attractive and efficient systems. Highlighting the brochure is the new Selector line which incorporates the new pass-through cafeteria concept for maximum flexibility and efficient operation. AIA 35-C-12. 12-pp.—Bastian-Blessing, div. of Astro Controls, Inc., 4201 W. Peterson Ave., Chicago 60646.

Building Sealants

Details on the use of building sealants based on Thiokol LPr Polysulfide Polymer are described in a newsletter just issued by Thiokol Chemical Corporation. The 12-page booklet describes three new, differently designed buildings and presents numerous detail drawings of exactly where and how the sealant is used for the best results. Architectural Newsletter No. 34.—Thiokol Chemical Corp., P.O. Box 1296, Trenton, N.J. 08607.

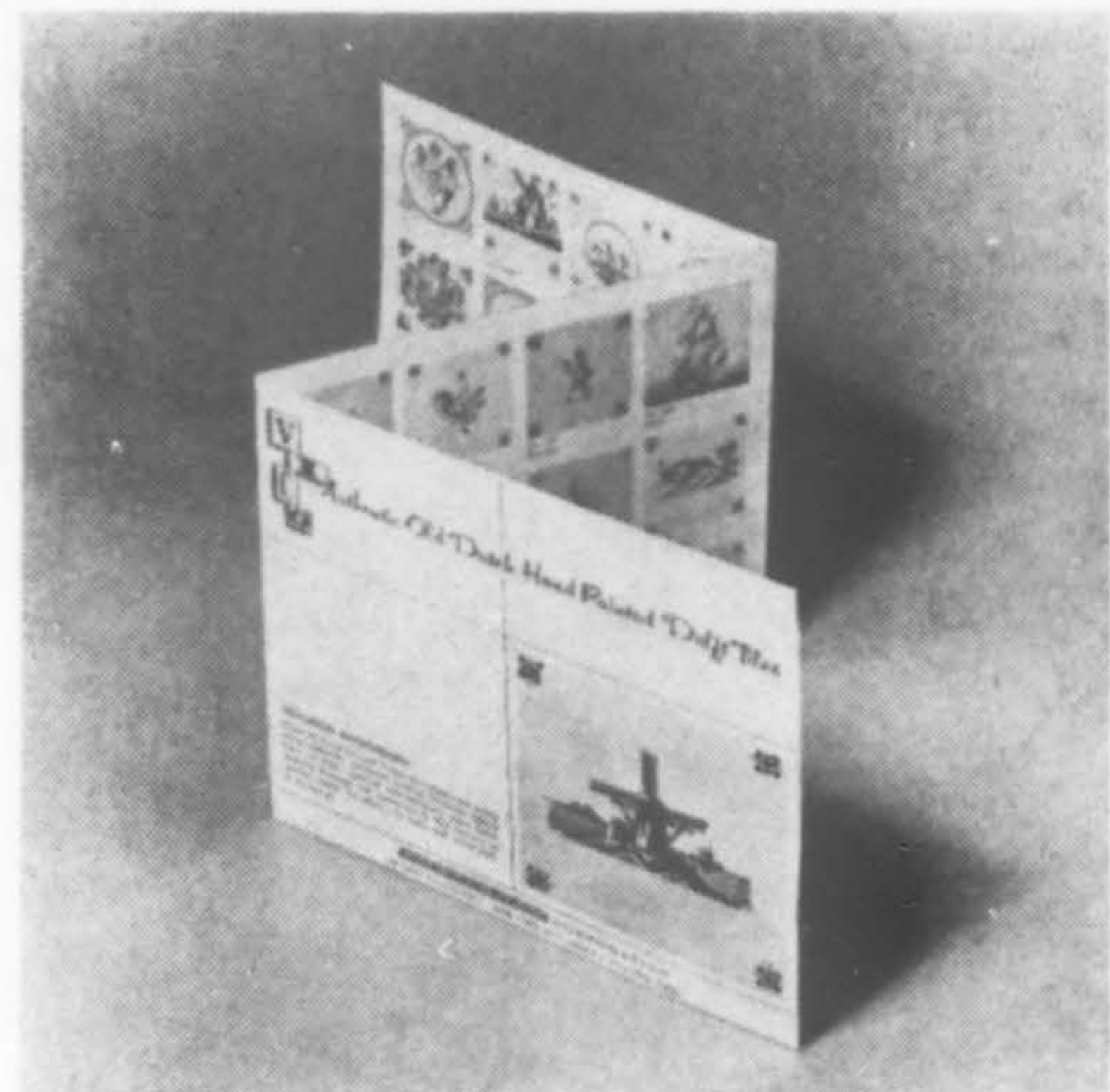
Eternawall Sample Folder

A sample folder containing actual swatches of 15 popular colors and patterns in the vinyl-surfaced gypsum wallboard, Eternawall, is offered by Georgia-Pacific. The folder also illustrates color-matched aluminum moldings for edge and joint treatment and contains application instructions and technical data on the factory finished vinyl surface.—Georgia-Pacific Corp., P.O. Box 311, Portland, Ore. 97207.

Chalkboards, Bulletin Boards

The complete line of chalkboards, bulletin boards and directory boards is illustrated and described in a new catalog from A-1. Technical details of the finish, use and performance of all boards covered, including standard, steel chalkboards in 15 colors, self-sealing cork bulletin boards in eight colors, a vinyl covered bulletin board in two patterns and 23 colors, are included. A special full-color section provides actual reproductions of the colors available. Also featured are sections on changeable letter directory boards, sliding and hinged door bulletin and directory boards, special purpose vertical and horizontal sliding panel boards, picture projection boards, crayon boards, portable floor standing chalkboards and bulletin boards, and magnetic visual control boards. 20-pp.—A-1 School Equipment Co., 2511 East Imperial Highway, Los Angeles, Calif. 90059.

Old Dutch Delft Tiles



The new, extensive VICO line of authentic Old Dutch hand-painted Delft tiles is illustrated in a brochure from the Amsterdam Corporation. Glazed and hand-painted by Dutch manufacturers, the tiles are available in traditional blue and white, sepia or polychrome on white; in crackle or non-crackle finish. A wide range of motifs is available.—Amsterdam Corp., 41 East 42nd St., New York, New York 10017.

Glulam Triax Domes

The applications, economy and beauty of glulam Triax Domes for a multitude of facilities are outlined in a new 8-page brochure from Timber Structures. Uses such as natatoriums, field houses, special events centers, auditorium-cafeterias, classrooms, exhibit centers, banks and bulk storage facilities are specifically covered.—Timber Structures, Inc., P.O. Box 3782, Portland, Ore. 97208.

"Directa" Exit Signs

A versatile line of exit and directional signs is fully described in an illustrated brochure designed to familiarize specifiers and installers with "Directa" features and specifications. The signs meet code regulations, are easy to install and feature clean design. Finish is standard ebony black. Section X, Folio X-1.—Silvray-Litecraft, 100 Dayton Ave., Passaic, New Jersey 07055.

Masonry Wall Reinforcing

A complete line of masonry wall reinforcing is described with detailed specifications in the new AA Wire 12-page guide. Correct reinforcing is illustrated for all types of masonry wall. New products such as Blok-Trus, Tri-Lok and AA Flex-O-Lok are discussed. Complete information on sizes, finishes and packaging.—AA Wire Products Co., 6100 S. New England Ave., Chicago 60638.

Producers

Timber Structures Promotes Hegstad

BRUCE HEGSTAD has been promoted to the position of Western regional



HEGSTAD

manager of **TIMBER STRUCTURES, INC.**, Portland, according to an announcement by Elon Ellis, vice president. In his new position Hegstad will be in charge of the company's sales in the 13 Western states, and will supervise district offices in Portland, Seattle and Burlingame, California. He joined the staff of Timber Structures in 1966.

Weyerhaeuser Names Portland Firm

WESTERN WOOD STRUCTURES, INC., Portland, Oregon, has been named an Architectural Specialty dealer to handle laminated wood products manufactured by **WEYERHAEUSER COMPANY**. The firm will specialize in selling and contracting glued laminated roof beams and arch systems to builders and contractors throughout Oregon, Washington, Alaska, Idaho, Montana and Wyoming.

Ozite Appoints Tempe Firm

THE OZITE CORPORATION, Chicago-based floor covering firm, has appointed the **CONSOLIDATED CARPET CORPORATION**, Tempe, Arizona, as a distributor.

Olympic Stain Names Two



KOSCHE

ALM

PAUL W. KOSCHE has been appointed advertising manager by **OLYMPIC STAIN COMPANY**, Seattle, and **CHARLES P. ALM** has been promoted to manager of Seattle headquarters operations in charge of production, product development, traffic and customer relations. Kosche comes to Olympic after nine years as marketing manager for the Charles H. Lilly Company. Alm was formerly manager of marketing relations for Olympic Stain.

Fullview Appoints Laurence

WILLIAM PETRO, president of Apexro Products Company of Los Angeles, has acquired the aluminum sliding glass door and window contract sales division from **FULLVIEW INDUSTRIES**. The new corporation, named **ROLLEZE, INC.**, will manufacture and distribute aluminum sliding glass doors and windows, for the residential construction market throughout the Western states. The management staff includes William Petro, president; Morris Stass, vice president; Alex G. deLipthay, secretary-treasurer. Headquarters are at 12177 Montague Street, Pacoima, California.

Pyro Media Establishes Showrooms

GRACE TSUJIKAWA BOYD, designer for **PYRO MEDIA**, manufacturers of architectural pottery headquartered in Seattle, has announced the recent establishment of showrooms at Professional Designs, The Ice House, San Francisco; **Fred Sumner & Associates**, Minneapolis; **Charles L. Orr, Inc.**, Exhibitors Building, Chicago, and at Occidental Showrooms, 300/310 Occidental South, Seattle. The Pyro Media plant is located at 568 First Avenue South, Seattle.



BOYD

Lavenberg Honored by CSI

G. N. LAVENBERG, managing director of the **CERAMIC TILE INSTITUTE** of Los Angeles, Orange and Ventura counties, was honored by the national Construction Specifications Institute with presentation of its "Certificate of Appreciation" award. The citation was for services to the national organization of specification writers and for his work in initiating and implementing activities of the Los Angeles Chapter, C.S.I.

Neo-Ray Forms Western Division

NEO-RAY LIGHTING SYSTEMS, INC., New York City, announces the formation of a Western division, **NEO-RAY LIGHTING SYSTEMS/WEST, INC.** The new division, operating as an independent company under the direction of president **REY L. VILA**, will maintain offices and show rooms at 4945 Firestone



VILA

Boulevard, South Gate, California. The new facility will serve the 13 western states.

Northern California PC Elects; Has Annual "Sports Day"



More than 180 architects joined with members of the **NORTHERN CALIFORNIA CHAPTER** of the **PRODUCERS' COUNCIL, INC.**, for their annual "Sports Day" at the Silverado Country Club in Napa, California. Awards were given to those who distinguished themselves at golf or tennis. For the second year in a row, architect **AL SCHLEUNEN** was awarded the low gross golfing trophy.

New officers of the Producers' Council were installed following dinner and awards presentation. **BOB CHANEY** of the California Zonolite Company, will serve as president. Other officers: **CHARLES SABAH**, Construction Specialties, Inc., first vice president; **DAVID BODIN**, United Building Products, second vice president; **MICHAEL BERNI**, U.S. Plywood-Champion Paper Corp., treasurer; **PAUL VITTON**, Inland-Ryerson Construction Products Co., secretary. **PAT PATTERSON**, Vermont Marble Company, is immediate past president.



CHANEY

American-Standard Appoints Speros

WILLIAM SPEROS has been named Western Sales Manager for the **AMERICAN-STANDARD** residential air conditioning department, and will be headquartered at the company's Fullerton, California office. He will be in charge of product sales for the West Coast and Utah, Washington, Montana, Wyoming and Arizona.

Austin Heads Gaffers & Sattler

WILLIAM N. AUSTIN has been elected president of **GAFFERS & SATTLER, INC.**, a wholly-owned subsidiary of Magic Chef, succeeding Saul E. Levi, who has resigned. Gaffers & Sattler is a major west coast manufacturer of gas and electric ranges and heating and air conditioning equipment, headquartered in Los Angeles.

Not Specified

THERE SEEMS MERIT in what Dr. Robert Finley, educator, had to say about school buildings at the recent Neocon meeting in Chicago: they should all be built for re-sale. He maintains that school plants are obsolete almost as rapidly as they are built today. Contributing factors are the current educational trends and the population growth of the nation. Dr. Finley, superintendent of schools at Glen Cove, New York, is a dynamic young man who is "with it" as far as youth is concerned. But he makes sense to both adults and the young people and, the best part, when it comes to school boards, he is financially attuned.

He says a school district should consider what the future use of the building can be—an office building, a warehouse, an industrial plant. It would place added valuation on school property and would mean a return of additional funds to a district when a school must be relocated.

Dr. Finley made sense in many other areas of school design. He's a good speaker because he is enthusiastic about his product—education. We commend him to those conference chairmen who are seeking good material for another year.

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THERE HAVE BEEN some odd happenings in other areas of school construction of late. They may have been brought about by the present abundance of construction projects; or the rising costs of labor and materials may be influencing factors. In any event, on many projects the number of general contractors bidding has been reduced to only two or three and school boards are reluctant to narrow the competition that much.

One Washington school project drew only one general bid, rejected by the board, but who did submit an expression of appreciation to the firm. Significant, however, were the remarks made by the contractor (a well-known one, by the way) on this particular project. He advised the school board that they would not gain a great deal on a re-bid unless there were drastic changes in sub-contractor prices. And he added that the only way to reduce the square-foot price of the new school is to go back to conventional school buildings—roof design and building angles add to the cost. In Portland, no electrical bids were submitted on a school building. There was a rumor that this would happen so all generals were asked to submit their bids noting that electrical work was not included. When the bids were received, only three had fulfilled the request, resulting in a rejection of all bids.

• • • •

We can't give you the answers, either. But there seems to be food for thought at both ends of this column. —R.G.

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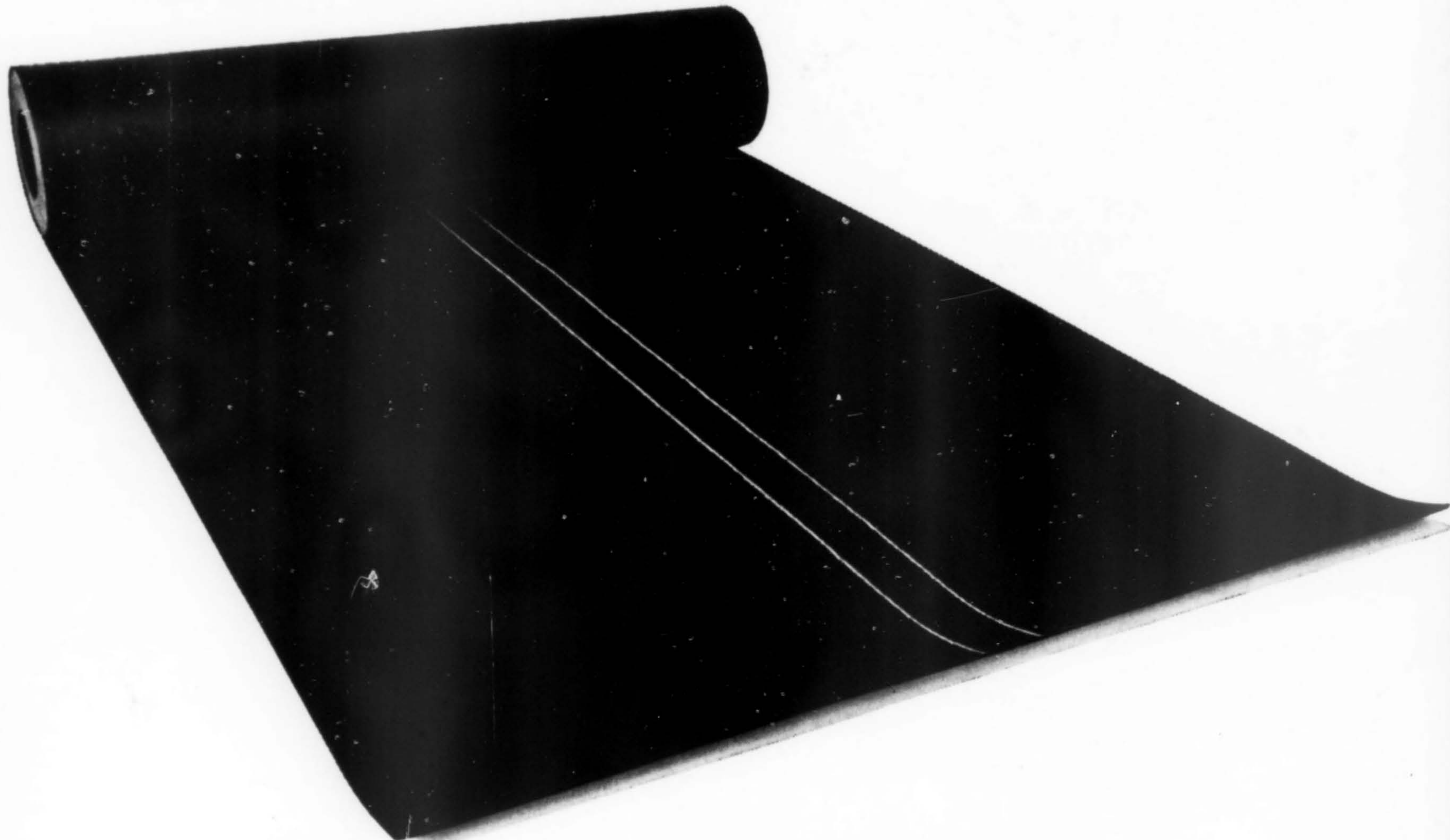


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